

DIMON

TECHNOLOGY
LED LUMINAIRES 2023-2024

Dear Reader

A correct prediction to the future seems remote, but we believe if we do not keep our Earth green today, we have no future. With a vision to develop to be a green technology and engineering company, DIMON TECHNOLOGY was founded in the year 2010. Since then, it has been our persistent aim to provide our clients and partners with the highest quality products and customer-oriented services in versatile solutions on LED lighting for commercial/industry/domestic/decorative & façade/land & marine uses, IoT technology application, solar energy, wind energy, and high mast technology. In pursuit of our goals, the steady growth of the enterprise together with the positive feedback from our clients and partners has reassured us in the right direction.

In view of the market demand, the company has gone through an impressive metamorphosis from a solely project driven Green Energy Solution Provider to a reliable supplier with series of well designed and engineered standard products as a Multi-disciplinary Solution Provider for different markets and projects.

We treasure the trust of our clients and partners rests on us in the past and look forward to your continuous support on DIMON with our heartily thanks. The following contents in this catalogue will give you an insight into our extensive professional products specially designed in providing you a wide application to meet the stringent requirements of your projects.

We are looking forward to cooperate and partner with you in your projects.

Your DIMON TECHNOLOGY Team



Our philosophy

We believe that the key to providing superb products and excellent service is listening to you, our client; that is why DIMON customers can feel the heart of us in everything we do for them. From your initial enquiry through to completion of the project, our experts are always around to support you in every step. A long-term relationship based on trust and reliability is the unrivalled service we deliver.

To meet the market needs is our goal. We strive on innovation to sincerely provide a total solution with high-quality green energy products. We work to develop close partnership with domestic and foreign customers in joint development to achieve mutual benefit in exploring the state-of-the-art technology for the intelligent illumination beyond just lighting, the internet of things beyond just feeling, the intelligent green energy beyond just seeing as we do actually make them really working.



Product Design

Being a lighting customization-oriented and green technology company, the design team at DIMON TECHNOLOGY is committed to developing compelling LED lighting products through intensive testing and profound lighting simulations. We have stringent quality control and manufacturing process to ensure the core design of the entire product are fulfilling a complete product design process to provide the best performance on illumination effect and robust structure for demanding environment.

The functional performance of DIMON luminaires is also our key concern in design philosophy. It is essential we always consider the applications of a luminaire to provide it with the greatest flexibility in meeting different demands.

We are constantly researching for new methods on production, use of materials and application of technologies to improve our total performance in chips and packaging application, heat sink design, driver solutions, optical performance and environmental protection to ensure the DIMON products are valued with the best user-friendly product and total solution to our clients and the Earth.

The same attitude also applies to other green products of DIMON where your wish is our command.

Quality

Our products are expected to reach the maximum possible service life. With this in mind, we are committed that the finest components are sourced and used in the DIMON products to meet the stringent requirements of YOU, our client.

Our factories are ISO9001 and ISO 14001 accreditation awarded. The quality system process is always going on to regulate and innovate the operation & management model, import useful project management process and lean manufacturing methods, optimize all aspects of production and quality assurance process.



**INTERNATIONAL
STANDARD**
**NORME
INTERNATIONALE**



Luminaires –
Part 1: General requirements and tests

Luminaires –
Partie 1: Exigences générales et essais

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION
COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

PRICE CODE
CODE PRIX XH

ICS 29.140.40

ISBN 978-2-8322-1553-1



Standards we follow:

The LED luminaires shall be fully assembled and tested before shipment from factory. The LED luminaire shall comply with the following international standards and their manufacturing process shall conform to the relevant quality standard of ISO 9001:2008:

- * IEC 60598-1:2014: Luminaires — Part 1: General requirements and tests; and
- * IEC 60598-2-1:1987: Luminaires — Luminaires — Part 2: Particular requirements. Section 1: Fixed general purpose luminaires; or
- * IEC 60598-2-2:2011: Luminaires — Luminaires — Part 2 Particular requirements. Section 2: Recessed luminaires; or
- * IEC 60598-2-3:2011: Luminaires — Part 2 Particular Requirements Section 3: Luminaires for road and street lighting; or
- * IEC 60598-2-5:2015: Luminaires — Luminaires — Part 2 Particular Requirements Section 5: Floodlights
- * IEC 60598-2-13: 2012: Luminaires — Part 2 Particular Requirements Section 13: Ground recessed luminaire
- * IEC 60598-2-22: 2014: Luminaires — Part 2 Particular Requirements Section 22: Luminaires for emergency lighting
- * IEC 62722-2-1: 2014 Luminaires Performance — Part 1: General Requirements
- * IEC 62722-2-1:2014 Luminaires Performance — Part 2.1: Particular Requirements for LED Luminaires
- * IEC 60529:2015 : The ingress protection for indoor and outdoor LED luminaire
- * IEC 62471: 2006: Photobiological safety of lamps and lamp systems to comply with the hazard Risk Group 1 (low risk)
- * IEC TR 62778:2014: Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires
- * Restriction of Hazardous Substances (RoHS) Compliance
- * IEC 62031:2014: LED modules for general lighting — Safety specifications.
- * IEC 60838-2-2:2012: Miscellaneous lampholders — Part 2-2: Particular requirements — Connectors for LED modules
- * IEC 62560: 2011: Self-ballasted LED lamps for general lighting services by voltage > 50V — Safety specification; and
- * IEC 62612 — Self-ballasted LED lamps for general lighting services with supply voltages > 50 V - Performance Requirements
- * IEC 62776 Doublecapped LED Lamps Designed to retrofit linear fluorescent lamps — Safety Specifications"
- * LM80 - lumen maintenance of LED components at a 6000hr test
- * ISTMT - test to determine the LED operating temperature and hence interpolate the lumen depreciation curve.
- * TM21(L70)- calculation performed with the LM80 measured data to extrapolate an Lp.

LED DRIVER:

- * EN 55015:2009 Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment.
- * IEC 61000-3-2: 2009 Electromagnetic compatibility (EMC) — Part 3-2: Limits — Limits for harmonic current emissions (equipment input current ≤ 16 A per phase);
- * IEC 61347-1:2007 Lamp controlgear — Part 1: General and safety requirements;
- * IEC 61347-2-13:2006 Lamp controlgear — Part 2-13: Particular requirements for DC or AC supplied electronic controlgear for LED modules;
- * IEC 61547:2009: Equipment for general lighting purposes — EMC immunity requirements; and
- * IEC 62384:2011 DC or AC supplied electronic control gear for LED modules — Performance requirements;
- * Continuous dimming range 0% - 100% without flickering



Visual OCEAN Park

Hong Kong 2019

Lighting Show of Hong Kong OCEAN PARK

PROJECT OWNER: Hong Kong OCEAN PARK

CONSULTANTS AND DESIGNERS: MOMENT FACTORY

Visual OCEAN Park is an daily festival of light, music and ideas. It includes outdoor immersive RGBW LED Wall Washer Light and projections.

It is the light sculptures, multimedia interactive work and building projections that transform various buildings into an outdoor night time canvas of art.

Related Products



WAYAR



PICODE



CORE-DMX
SPLITTER



SLADE



MANYA



GRAND LISBOA HOTEL

Macau 2019

The Grand Lisboa Hotel is owned by Sociedade de Jogos de Macau (SJM) and designed by renowned Hong Kong architects Dennis Lau and Ng Chun Man. An impressive and iconic skyscraper, the 58-floor hotel is 260 metres tall. The casino and restaurants within Grand Lisboa were opened on February 11, 2007, while the hotel was opened in December 2008.

DIMON provide the LED spotlight light with Narrow Beam Angle without light-shadow effect to brightness the " **golden shark.**"

quipment List:

* LED Spot Flood Light -FLORA QTY: 315 pcs

Related Products



FLORA



Solar LED Light System in HKZM Bridge

Hong Kong 2018

Contract No. HY/2011/09

Project Consultants: ARUP (HK) [www. Arup.com](http://www.Arup.com)

Project Owner: Hong Kong HIGHWAYS Department

Contractor: Dragages HK & China Harbour -VSL Joint Ventrue

The Solar LED Light System 3-in-one, self-powered LED lantern assembly is completely self-contained. It is compact, lightweight and rugged, and requires the least or virtually no maintenance throughout its operation. The design concept of the lantern is similar with a higher wattage solar module and a bigger capacity battery.

Related Products



SOLO



Hong Kong-ZhuHai-Macau Bridge

Hong Kong 2017

Contract No. HY/2011/09

Project Consultants: ARUP (HK) [www. Arup.com](http://www.Arup.com)

Project Owner: Hong Kong HIGHWAYS Department

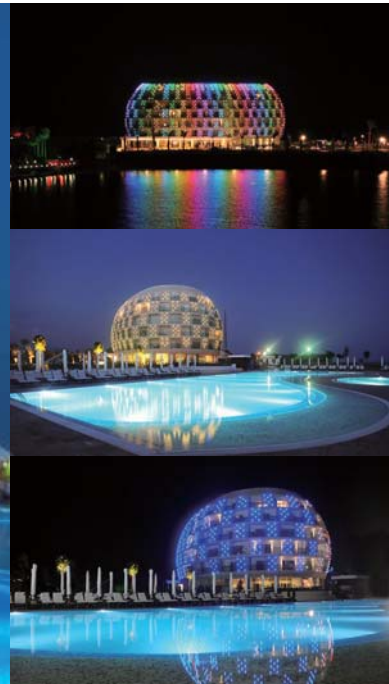
Contractor: Dragages HK & China Harbour -VSL Joint Ventruer.

- Pile cap lightings QTY: 160 pcs

The Pile cap lightings 3-in-one, self-powered LED lantern assembly is completely self-contained. It is compact, lightweight and rugged, and requires the least or virtually no maintenance throughout its operation. The design concept of the lantern is similar with a higher wattage solar module and a bigger capacity battery. The optical system utilises WM-Patent designed UV-stabilized acrylic optic lens of 150mm diameter and with a choice of up to 3-tiers of the highly efficient, high intensity LED array, it has an effective range in excess of 5 nautical miles at 0.74 transmissivity factor or 8 nautical miles at 0.85 transmission factor (3-tiers 6.1NM @ T=0.74).

Colours: Red, Green, White, Yellow & Blue

The housing is constructed from material of marine graded aluminium alloy with an acrylic powder-coating, high performance finished that has an outstanding durability. The unit houses a nominal 26AH (to 100AH, for bigger systems) sealed, maintenance-free VRLA, AGM battery. The highly efficient, higher wattage monocrystalline solar module provides optimum charging to the battery bank for an extended service at installation site.



Sentido Gold Island Hotel

Antalya TURKEY 2014

<https://www.youtube.com/watch?v=mVK13WnqcBA>

Gold Island is located in the Mediterranean's most beautiful bay, in Turkler, Alanya. The area is rich with beaches, as well as a wealth of local culture and history.

Equipment List:

- * DMX 512 Pixel Light BAKA >1800 pcs
- * LED Under Water Light > 85 PCS
- * DMX SPLITTER- CORE > 20pcs

 https://www.youtube.com/watch?v=iel28m_bIWY

Related Products



CONTENT

RECESSED SPOT LIGHT (PAGE 1-31)



DRAMOMY(PAGE 4-6)



DRIZO F & W (PAGE 7-9)



DICAM-S (PAGE 10-13)



DENSO (PAGE 14-15)



DRIFO (PAGE 16-19)



DRIZO (PAGE 20-22)



DRAYE (PAGE 23-24)



DRAGE (PAGE 25-27)

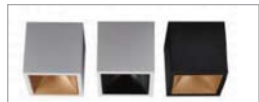


DREL (PAGE 28-29)



DRE (PAGE 30-31)

SURFACE MOUNT DOWN LIGHT (PAGE 32-38)



DSARC (PAGE 33-34)



DSAIRR (PAGE 35-36)



DSAIRR (PAGE 37-38)

TRACK LIGHT (PAGE 39-52)



TRADA (PAGE 40-41)



TELE-24W (PAGE 42-43)



TENAX-33W (PAGE 44-45)



TENAX-33W (PAGE 46-47)



TRAAC (PAGE 49-50)



TRATE (PAGE 51-52)

CLASS ROOM LIGHT (PAGE 53-59)



PANCY (PAGE 54-55)



PANCY (PAGE 56-57)



LASHE-II (PAGE 58-59)

OFFICE LIGHT (PAGE 60-81)



LASHE (PAGE 61-64)



LASHA (PAGE 66-68)



LETER (PAGE 69-70)



LETER (PAGE 72-73)



LABITY (PAGE 75-76)



PEDDY (PAGE 78-79)



LNOVO (PAGE 80-81)

CONTENT

GENERAL LIGHT (PAGE 82-103)



DRAKY(PAGE 83-84)



DRINO (PAGE 86-87)



DYNIS (PAGE 88-89)



BOSCA (PAGE 91-92)



BATESA (PAGE 93-94)



BAWATY (PAGE 96-97)



CHELA (PAGE 98-99)



CION (PAGE 100-101)



CHELLE (PAGE 28-29)

INDUSTRIAL LIGHT (PAGE 104-122)



HABEE (PAGE 106-107)



HATRY (PAGE 108-109)



HAWEY (PAGE 110-111)



FLARE (PAGE 113-114)



HAAE (PAGE 116-117)



HAYE (PAGE 118-119)



HADRY (PAGE 121-122)

LED STREET LIGHT (PAGE 123-130)



SLE-S (PAGE 124-125)



STEA (PAGE 129-130)

TUNNEL LIGHT (PAGE 131-137)



TUCKE (PAGE 132-133)



TUWA (PAGE 134-135)



TENAYA (PAGE 136-137)

EMERGENCY SYSTEM (PAGE 138-144)



ENTE (PAGE 139-140)



E-MONO(PAGE 141-142)



E-MOLA(PAGE 143-144)

CONTENT

OUTDOOR RECESSED DOWN LIGHT (PAGE 145-157)



OUTDOOR SURFACE MOUNTED DOWN LIGHT (PAGE 158-170)



WALL & CEILING LIGHT (PAGE 171-202)



OUTDOOR WALL LIGHT (PAGE 203-221)



CONTENT

SPIKE & SPOT LIGHT (PAGE 222-229)



FAIT (PAGE 223-225)



F-SPAMY (PAGE 226-227)



F-COMA (PAGE 228-229)

BOLLARD GARDEN LIGHT (PAGE 230-277)



BOUSA (PAGE 231-232)



BOMOLY (PAGE 233-234)



BOUTRY (PAGE 235-236)



BOUK (PAGE 237-238)



BOYAD (PAGE 240-242)



BOUTH (PAGE 243-244)



BOURG (PAGE 246-247)



BOUSE (PAGE 248-249)



GODAVARI (PAGE 240-242)



GOLLOP (PAGE 253-254)



GILEAD (PAGE 256-257)



GULLOP (PAGE 259-260)



GORGE (PAGE 262-263)



GOALIE (PAGE 264-265)



GODARD (PAGE 266-267)



GAI (PAGE 268-269)



GANTE (PAGE 270-271)



GAN (PAGE 272-273)



GANE (PAGE 274-275)



GANCE (PAGE 276-277)

OUTDOOR INGOUND LINEAR (PAGE 278-284)



LABMY (PAGE 279-280)



LATRU (PAGE 281-282)



LO-MONO (PAGE 283-284)

OUTDOOR INGOUND UP LIGHT (PAGE 285-305)



IAH (PAGE 286-287)



IBRE (PAGE 288-289)



IANT (PAGE 290-291)



INNATY (PAGE 292-293)



INBERY (PAGE 295-296)



INCARY (PAGE 297-298)



INTERY (PAGE 299-300)



INDICA (PAGE 301-302)



INTECH (PAGE 304-305)

CONTENT

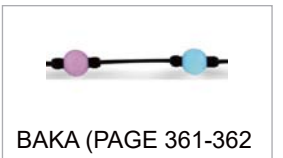
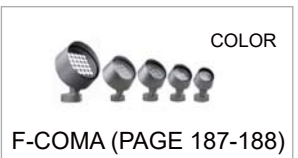
UNDER WATER LIGHT (PAGE 306-319)



FACADE & MEDIA LED LIGHT (PAGE 320-332)



LINEAR & WALL WASHER SYSTEMS (PAGE 333-362)



LED STRIP & NEON LIGHT (PAGE 363-376)



RECESSED SPOT LIGHT



SPOT LIGHT SYSTEM



Adjustatable /Fixed/ Wallwaser



Standard-Round



Trimless-Round



Standard-Square



Trimless-Square



Round-Adjustable



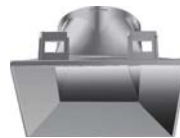
Round-Fixed



Round-Wallwasher



Square-Adjustable



Square-Fixed



Square-Wallwasher

Secondary Reflector



Specular



Chrome



Matt



White



Black



Gold

SPOT LIGHT SYSTEM



Trimless-Round

Trimless-Square



Specular



Chrome Black



White



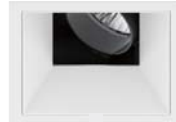
Matt



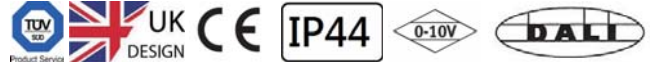
Black



Gold



DRAMOMY



D 68~198mm 7W~38W



Ajustable

Fixed

Wallwasher

Trimless
(Fixed and Adjustable)



SQUARE Downlight



Ajustable

Fixed

Wallwasher

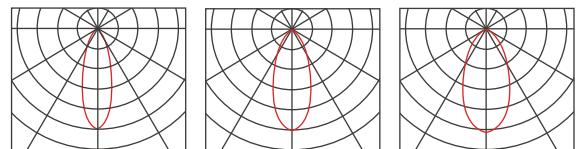
Trimless
(Fixed and Adjustable)



28°

40°

50°



| | | | | | | |
|-------|---------|---------|---------|---------|---------|----------|
| | | | | | | |
| φ110 | φ128 | φ137 | φ137 | φ173 | φ162 | φ198 |
| | | | | | | |
| 96x96 | 104x104 | 122x122 | 130x130 | 147x147 | 154x154 | Trimless |







Unit: mm

Housing: die-cast aluminium, powder-coated, Anti-glare reflector and Ring to provide Eye-comfort URG <19, Multi-Optical System with Precise angle alignment, Optional honeycomb mesh provides zero-glare effect, Interchangeable secondary reflector for Aesthetic design for architectural request. Ultra-narrow trim design leaves no flange between the secondary reflector and trim, meeting neat ceiling requirement. 30° tilt and 355° rotation

Technical Data

Luminaire Type-安裝方式Tipo de luminaria

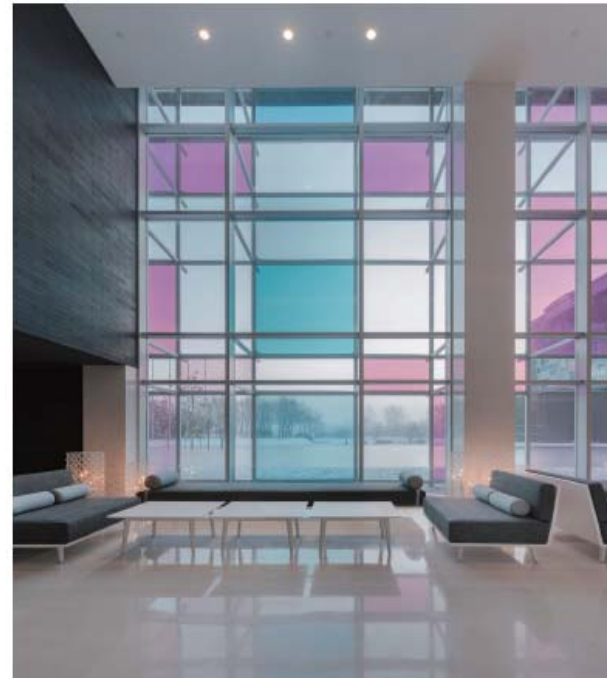
Recessed Mount Type : Tilted-Angle- Type (30° tilt and 355° rotation) , Fixed Type, Trimless Type and Wallwasher Type
 嵌入式筒燈 : 可調角度類型 (上下調角30° 和355° 旋轉) , 固定類型, 無框邊類型和洗牆燈類型
 Tipo de montaje empotrado: tipo de ángulo inclinado (inclinación de 30 ° y rotación de 355 °), tipo fijo, tipo sin molduras y tipo de bañador de pared

| | |
|--|---|
| Dimension-尺寸-Dimensión | <ul style="list-style-type: none"> Round Type : • DIA 78 x H: 98 mm DIA 110 x H:128 mm DIA 137 x H:159 mm DIA 162 x H:198 mm Round and Trimless: • DIA 70 x H: 98mm DIA 108 x H:128 mm DIA 132 x H:159 mm DIA 158 x H:190 mm Square Type • 78 x 78 x H: 98mm 107 x 107 x H:129mm 134 x 134 x H:160 mm 159 x 159 x H:191 mm Square and Trimless Type • 104 x 104 x 129 mm 130 x 130 x H:160 mm 154 x 154 x H:190 mm |
| Cut off Dimension-開孔尺寸-Cortar Dimensión | • Refer Technical Drawing 請參閱技術圖紙 Consulte el dibujo técnico |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60HZ or Refer to LED Driver data sheet |
| Power Consumption Max-燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 7.5W @ DIA 78mm @ 78X78mm • 12W @ DIA 78mm @ 78X78mm @ DIA 70 x H: 98mm Trimless • 13W @ DIA 110mm @ DIA 108mm Trimless @L:107 x W:107mm @ L:104 x W:104mm Trimless • 15W @ DIA 110mm @ DIA 108mm Trimless @L:107 x W:107mm @ L:104 x W:104mm Trimless • 18W @ DIA 110mm @ DIA 108mm Trimless @L:107 x W:107mm @ L:104 x W:104mm Trimless • 20W @ DIA 137mm @ DIA 132mm Trimless @L:134 x W:134mm @ L:130 x W:130mm Trimless • 25W @ DIA 137mm @ DIA 132mm Trimless @L:134 x W:134mm @ L:130 x W:130mm Trimless • 25W @ DIA 162mm @ DIA 158mm Trimless @L:159 x W:159mm @ L:154 x W:154mm Trimless • 28W @ DIA 162mm @ DIA 158mm Trimless @L:159 x W:159mm @ L:154 x W:154mm Trimless • 33W @ DIA 162mm @ DIA 158mm Trimless @L:159 x W:159mm @ L:154 x W:154mm Trimless • 38W @ DIA 162mm @ DIA 158mm Trimless @L:159 x W:159mm @ L:154 x W:154mm Trimless |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ (Dimming range from 0-100%) 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 12 charger hours應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | <ul style="list-style-type: none"> • POWER FACTOR : PF>0.90 @ Full Load • TOTAL HARMONIC DISTORTION: THD< 20% / LIFE HOUR : 50,000 Hours |
| Control Protocol-控制協議 Protocolo de Control | 1-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | • 10° 24° 35° 40° 52° Asymmetric |
| Light Source Brand-光源品牌-Fuente de luz de marca | 1 pcs CITIZEN LED COB Array - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | L90(10k) = 50,700 hrs L80(10k) > 63,500 hrs L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫-Temperatura del color | 2700K / 3000K / 4000K / 5000K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | • > 83 • > 90 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 100 Lm/w(2700K), 115 Lm/w(3000K), • 120 Lm/w(4000K), 120Lm/w(5000K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 130 Lm/w(2700K), 145 Lm/w(3000K), • 150 Lm/w(4000K), 150 Lm/w(5000K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum with titanium grey coating in headsink and acrylic 鈦金灰塗層壓鑄鋁和亞克力 Aluminio fundido a presión con revestimiento gris titanio en el fregadero y acrílico |
| Trim Color-框邊顏色-Estilo Color | Matte white / Matte black 啞光白色 / 啞光黑色 Blanco mate / Matte black |
| Reflector Color-反光杯顏色-Reflector color | <ul style="list-style-type: none"> • Specular 亮銀 De espejo / Dark Specular 亮黑Especlar oscuro / Chrome Black 鍍黑 Cromo negro / • White 白色 Blanco / Matt Sliver 啞銀 Plata mate / Black 黑色 Negro / Gold 金色 Oro |
| Ingress Protection-防護等級 Protección de ingreso | IP20 IP44 IP65 (LED Module only) |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcion amento | -30 °C / +50 °C |
| Comply Testing Standard符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |       |



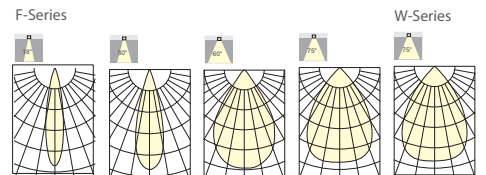
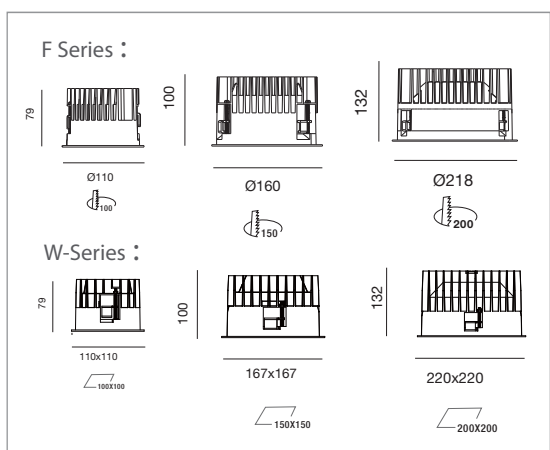
UGR
<19

RECESSED FLOOD LIGHT SYSTEM



DRIZO F & W

75~200mm IP54

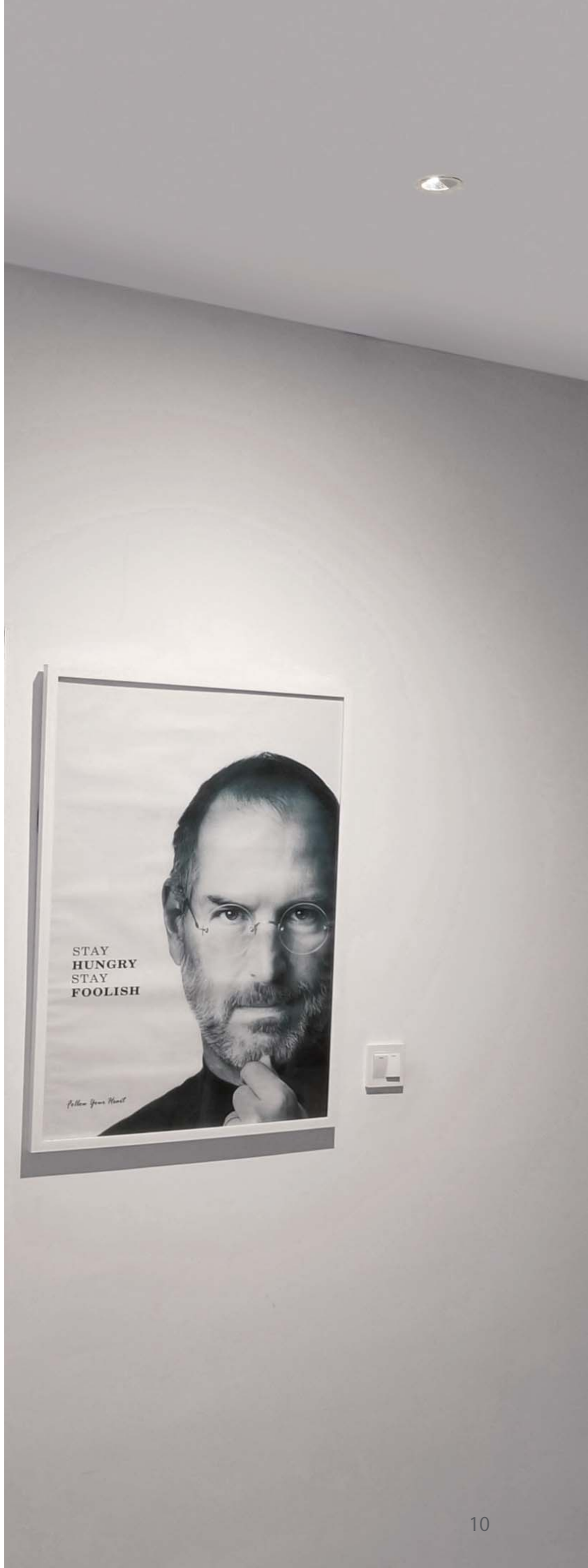


LED RECESSED LOW GLARE DOWN LIGHT. Housing: die-cast aluminium with PMMA Lens and anti-glare reflector to achieve UGR< 19. Deep recessed design achieves super eye comfort. Optimal lens technologies with narrow, medium and flood beam angles . Materials is complied with Hot Wire Testing: 850°C. The blue light risk group: (RG0) under IEC TR 62778 & IEC 62471 testing

GENERAL DOWN LIGHT

Technical Data

| Luminaire Type-安裝方式Tipo de luminaria | Recessed Mount Type嵌入式筒燈Empotrada Tipo Mount | | | |
|--|---|--------------------------------------|-------------------------------------|-----|
| Dimension-尺寸-Dimensión Cut off Dimension-開孔尺寸-Cortar Dimensión | F Series: • Dia 82 x H: 72mm Cut-off: 75mm Dia 110 x H: 79mm Cut-off: 100mm • Dia 160 x H:100mm Cut-off: 150mm Dia 218 x H:132mm Cut-off: 200mm W Series • 110x110xH:79mm Cut-off: 100x100mm 167x167xH:100mm Cut-off: 150x150mm • 220x220x H:132mm Cut-off: 200x200mm | | | |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ | | | |
| Power Consumption Max-燈具功率 Consumo de energía Max | F Series: • 5W @ Dia 82 x H: 72mm 7W@ Dia 82 x H: 72mm • 9W @ Dia 82 x H: 72mm 11W@ Dia 82 x H: 72mm • 7W @ Dia 110 x H: 79mm 9W @ Dia 110 x H: 79mm • 13W @ Dia 110 x H: 79mm 15W @ Dia 110 x H: 79mm • 18W @ Dia 160 x H:100mm 21W @ Dia 160 x H:100mm • 24W @ Dia 160 x H:100mm 27W @ Dia 160 x H:100mm • 28W @ Dia 218 x H:132mm 33W @ Dia 218 x H:132mm • 42W @ Dia 218 x H:132mm 56W @ Dia 218 x H:132mm W Series • 9W @ 110x110mm 13W @ 110x110mm • 15W @ 110x110mm 18W @ 167x167mm • 21W @ 167x167mm 24W @ 167x167mm • 27W @ 167x167mm 28W @ 220x220mm • 33W @ 220x220mm 42W @ 220x220mm | | | |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver--Constant Current LED Driver: Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC 220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. Zigbee Wireless Control Driver AC100-270V 50/60HZ 6. DMX Driver AC100-240V 50/60HZ 7. RDM Driver AC100-240V 50/60HZ 8. Emergency Backup >2 hours or >3 hours 應急電池/Copia de seguridad de emergencia | | | |
| LED Driver Type LED驅動款式 Tipo de controlador LED Driver | POWER FACTOR : PF>0.9 @ Full Load | | TOTAL HARMONIC DISTORTION: THD< 20% | |
| Beam Angle 光束角 /ángulo de haz | 18° | 30° | 60° | 75° |
| Light Source Brand-光源品牌-Fuente de luz de marca | JAPAN CITIZEN COB LED | | | |
| "Lumen Maintenance LM-80 Reported by TM-21"@ 25°C | L90(10k) = 50,700 hrs | L80(10k) > 63,500 hrs | L70(10k) > 63,500 hrs | |
| LED Life-LED壽命-La vida del LED | >60,000 hours | | | |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6000K/ 6500K | | | |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | • >80 • >90 | | | |
| Chromaticity Tolerance (initial Macadam) 色度容差 (初始Macadam) Tolerancia de cromaticidad (Macadam inicial) | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM | | | |
| Luminaire Efficacy燈具效率 La eficacia de la luminaria | 110 Lm/w(2700K), 120Lm/w(5000K), | 110 Lm/w(3000K), 130 Lm/w(6000K), | 120 Lm/w(4000K), 130Lm/w(6500K) | |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 140 Lm/w(2700K), 150Lm/w(5000K), | 140 Lm/w(3000K), 160 Lm/w(6000K), | 150 Lm/w(4000K), 160Lm/w(6500K) | |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum and PMMA Lens and Polycarbonate Reflector 壓鑄鋁和PMMA 透鏡和 PC反光杯 Lente de aluminio fundido a presión y PMMA y reflector de policarbonato | | | |
| Trim Color-框邊顏色-Estilo Color | Matte white / Matte black 啞光白色 / 啞光黑色 Blanco mate / Matte black | | | |
| Reflector Color-反光杯顏色-Reflector color | Matte Silver 啞銀Plata mate Dark Specular 亮黑色Especcular oscuro | Black 黑色 Negro | White 白色 Blanco Gold 金色 Oro | |
| Ingress Protection-防護等級 Protección de ingreso | IP54 | | | |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación | | | |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcion amiento | -30 °C / +50 °C | | | |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC/EN 60598-1 ; IEC/EN 60598-2-2 ; IEC/ EN62493 ; IEC/EN 62301 ; IEC TR 62778 & IEC 62471 (RG0) LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 | | | |
| Certification-認證-Certificación | | | | |



DICAM-S

D77~98mm 7W~18W



Wallwasher Angle



specular



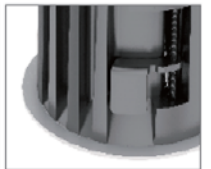
dark specular



chrome black



gold



Different secondary reflectors for anti-glare and decorative function



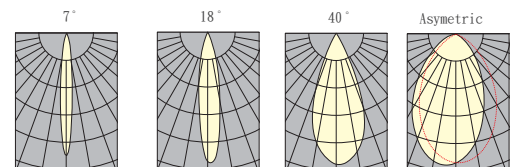
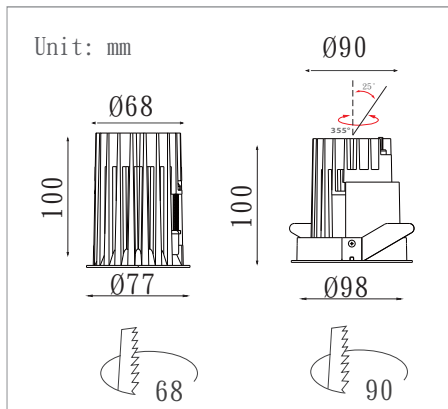
white



black









mat



Housing: die-cast aluminium, powder-coated, Anti-glare reflector and Ring to provide Eye-comfort URG <13, Interchangeable secondary reflector for Aesthetic design for architectural request. Ultra-narrow trim design leaves no flange between the secondary reflector and trim, meeting neat ceiling requirement. 25° tilt and 355° rotation

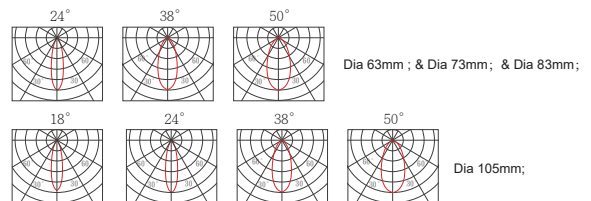
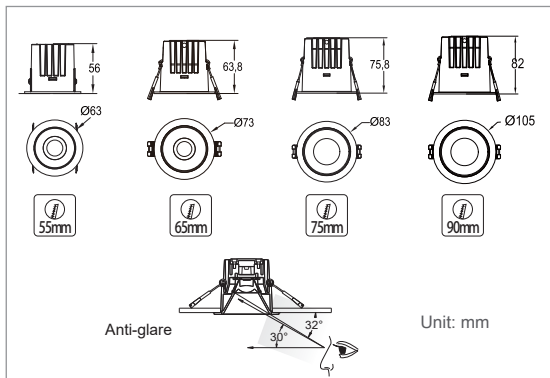
Technical Data

| | | | | | |
|--|--|-----|-----|------------|-----|
| Luminaire Type-安裝方式Tipo de luminaria | Recessed Mount Type : Tilted-Angle- Type (25° tilt and 355° rotation) , Fixed Type and Wallwasher Type 嵌入式筒燈 : 可調角度類型 (上下調角25° 和355° 旋轉) , 固定類型和洗牆燈類型 Tipo de montaje empotrado: tipo de ángulo inclinado (inclinación de 25° y rotación de 355°), tipo fijo y tipo de bañador de pared | | | | |
| Dimension-尺寸-Dimensión | • Fixed Type and Wallwasher Type : Dia 77 x H: 100mm Cut off Dimension: 68mm • Tilted-Angle- Type: Dia 98 x H: 100mm Cut off Dimension: 90mm | | | | |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60HZ or Refer to LED Driver data sheet | | | | |
| Power Consumption Max-燈具功率 Consumo de energía Max | • 7W | 10W | 13W | 15W | 18W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ (Dimming range from 0-100%) 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 12 charger hours應急電池/Copia de seguridad de emergencia | | | | |
| LED Driver Features 驅動特性: Funciones del controlador de LED | POWER FACTOR : PF>0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% | | | | |
| Control Protocol-控制協議 Protocolo de Control | 1-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control | | | | |
| Beam Angle 光束角 ángulo de haz | 7° (7.W & 9W Only) | 18° | 40° | Asymmetric | |
| Light Source Brand-光源品牌-Fuente de luz de marca | 1 pcs CITIZEN LED COB Array - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) | | | | |
| "Lumen Maintenance LM-80 Reported by TM-21" | L90(10k) = 50,700 hrs L80(10k) > 63,500 hrs L70(10k) > 63,500 hrs | | | | |
| LED Life-LED壽命-La vida del LED | >60,000 hours | | | | |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K | | | | |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | • > 90 | | | | |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM | | | | |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 90 Lm/w(2700K), 90 Lm/w(3000K), 100 Lm/w(4000K), 100Lm/w(5000K), | | | | |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 130 Lm/w(2700K), 130 Lm/w(3000K), 140 Lm/w(4000K), 140 Lm/w(5000K), | | | | |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum with titanium grey coating in headsink and acrylic 鈦金灰塗層壓鑄鋁和亞克力 Aluminio fundido a presión con revestimiento gris titanio en el fregadero y acrílico | | | | |
| Trim Color-框邊顏色-Estilo Color | Matte white / Matte black 啞光白色 / 啞光黑色 Blanco mate / Matte black | | | | |
| Reflector Color-反光杯顏色-Reflector color | Specular 亮銀 De espejo / Chrome Black 鎳黑 Cromo negro / White 白色 Blanco Matt Sliver 啞銀 Plata mate / Black 黑色 Negro / Gold 金色 Oro | | | | |
| Ingress Protection-防護等級 Protección de ingreso | IP20 | | | | |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación | | | | |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C | | | | |
| Comply Testing Standard符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 | | | | |
| Certification-認證-Certificación |       | | | | |



DENSO








D63~105mm 22W Max IP44



Housing: die-cast aluminium, powder-coated, designed as heat sink. Anti-glare reflector and diffusor system made of PC. LED module: high-power CREE LEDs Array, CRI>80, LM-80 performance approval >50,000 hours. Integrated-Type ELV , 0-10V, DALI, DMX and RDM LED constant current control gear. Deep recessed design achieves super eye comfort. Ingress Protection :IP 44.

RECESSED SPOTLIGHTS

Technical Data

| | |
|--|--|
| Luminaire Type-安裝方式/Tipo de luminaria | Recessed Mount Type 嵌入式筒燈 Empotrada Tipo Mount |
| Dimension-尺寸-Dimensión | <ul style="list-style-type: none"> • DIA 63 x H:56 mm • DIA 73 x H:63.8 mm • DIA 83 x H:75.8 mm • DIA 105 x H:82 mm |
| Cut off Dimension-開孔尺寸-Cortar Dimensión | <ul style="list-style-type: none"> • Dia 55 @ DIA 63 x H:56 mm • Dia 65 @ DIA 73 x H:63.8 mm • Dia 75 @ DIA 83 x H:75.8 mm • Dia 90 @ DIA 105 x H:82 mm |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1 pcs CREE LED Array COB |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 6W @ Dia 63 @ Dia 73 mm • 9W @ Dia 63 @ Dia 73 @ Dia 83 mm • 10W @ Dia 73 @ Dia 83 @ Dia 105 mm • 12W @ Dia 73 @ Dia 83 @ Dia 105 mm • 15W @ Dia 83 @ Dia 105 mm • 16W @ Dia 105 mm • 22W @ Dia 105 mm |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ (Dimming range from 0-100%) 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF>0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% |
| Control Protocol-控制協議 Protocolo de Control | 1-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | <ul style="list-style-type: none"> • 18° • 25° • 38° • 50° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE- (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | L90(10k) = 50,700 hrs L80(10k) > 63,500 hrs L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • > 80 • > 90 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 85 Lm/w(2700K), • 90 Lm/w(3000K), • 90 Lm/w(4000K), • 95 Lm/w(5000K), • 95 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 115 Lm/w(2700K), • 120 Lm/w(3000K), • 120 Lm/w(4000K), • 125 Lm/w(5000K), • 125 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum and acrylic 壓鑄鋁和亞克力 Fundición de aluminio y acrílico |
| Trim Color-框邊顏色-Estilo Color | Matte white / Matte black 啞光白色 / 啞光黑色 Blanco mate / Matte black |
| Reflector Color-反光杯顏色-Reflector color | Titanium / Bright silver / Matte silver 鈦金 / 亮銀 / 啞光銀 Titanio / Plata brillante / Plata mate |
| Ingress Protection-防護等級 Protección de ingreso | IP44 - (IEC 60529) |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |        |

High-End Hotel Spot lights help you win more projects

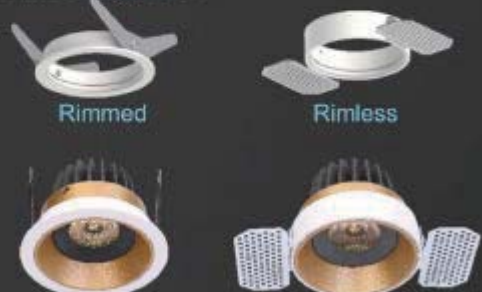
Anti-glare accessory changeable:



Optional Reflector Cup:



Frame Changeable:

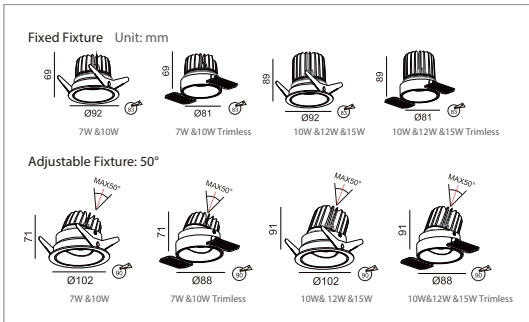
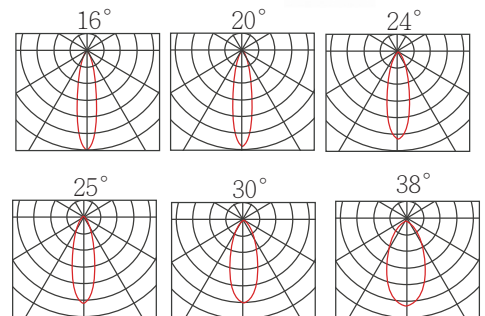


Power: 10W / 15W
Beam angle: 24° / 38°
Cut hole: Ø83mm (Fixed)
 Ø90mm (Adjustable)

Deep Anti Glare Design:
2 options of anti glare parts:
4 colors reflector cup choice.

DRIFO







Dia 81-102mm 15W

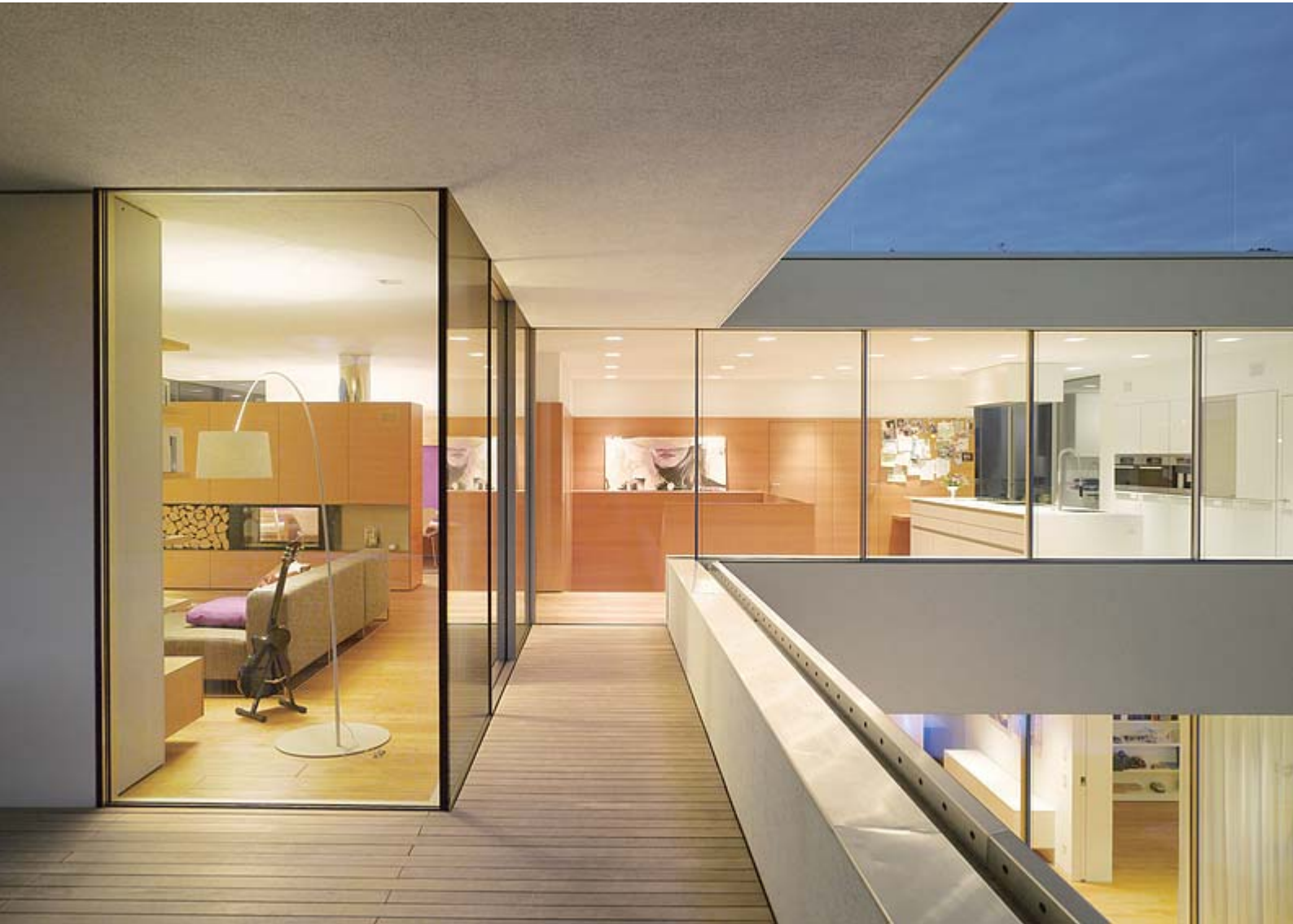


Deep Anti Glare Design
 Housing: die-cast aluminium body
 Aluminium reflector : Golden coating, Chrome , Silver and Black
 Diffuser system with Cellular Network and Lattice Glass to distribute soft and diffused light effect

RECESSED ADJUSTABLE SPOTLIGHTS

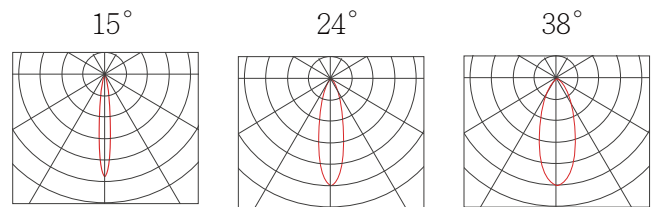
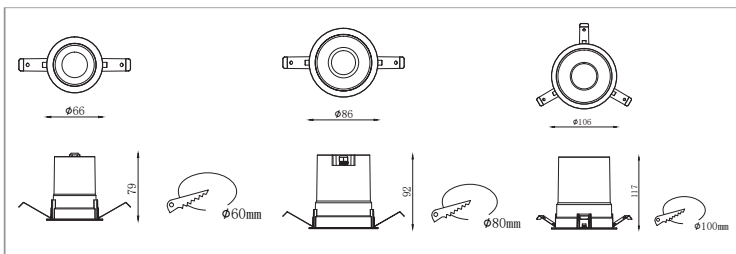
Technical Data

| | |
|--|---|
| Luminaire Type-安裝方式 Tipo de luminaria | <ul style="list-style-type: none"> • Recessed Mount and Non-Tilt Type 嵌入式安裝和不可調角 Montaje empotrado y tipo sin inclinación • Recessed Mount and Tilt-Angle Type 嵌入式安裝和可調角度 Montaje empotrado y tipo de ángulo de inclinación • Trimless Mount and Non-Tilt Type 無邊安裝安裝和不可調角 Tipo sin montaje y sin inclinación • Trimless Mount and Tilt-Angle Type 無裝飾安裝和可調角度類型 Tipo sin montura y ángulo de inclinación |
| Dimension-尺寸-Dimensión / mm Cut off Dimension-開孔尺寸-Cortar Dimensión / mm | <ul style="list-style-type: none"> • Dia: 92 x H: 69 Cut off: Dia 83 @ 7W & 10W Fixed Fixture • Dia: 92 x H: 89 Cut off: Dia 83 @ 10W&12W & 15W Fixed Fixture • Dia: 81x H: 69 Cut off: Dia 83@7W & 10W Trimless • Dia: 81x H: 89 Cut off: Dia 83@10W & 12W & 15W Trimless • Dia: 102 x H: 71 Cut off: Dia 90 @ 7W & 10W Tilt-Angle Type • Dia: 102 x H: 91 Cut off: Dia 90 @ 10W & 12W & 15W Tilt-Angle Type • Dia: 88x H: 71 Cut off: Dia 90 @ 7W & 10W Trimless & Tilt-Angle Type • Dia: 88x H: 91 Cut off: Dia 90 @ 10W & 12W & 15W Trimless& Tilt-Angle Type |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 7W @ Dia 92 x 69mm or Dia 81x69mm or Dia 102 x 71mm or Dia 88x 71mm • 10W @ Dia 92 x 69mm or Dia 81x69mm or Dia 81x89mm @ Dia 92 x 89 mm or Dia 102 x 71mm or Dia 88x 71mm or Dia 102 x 91mm or Dia 88x 91mm • 12W @ Dia 92 x 89 mm or Dia 81x89mm or Dia 102 x 91mm or Dia 88x 91mm • 15W @ Dia 92 x 89 mm or Dia 81x89mm or Dia 102 x 91mm or Dia 88x 91mm |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver-Constant Current LED Driver: Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC 220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. Zigbee Wireless Control Driver AC100-270V 50/60HZ 6. DMX Driver AC100-240V 50/60HZ |
| LED Driver Features Constant Current LED Driver: 驅動特性-恆流LED驅動器 Funciones del controlador de LED | <ul style="list-style-type: none"> • POWER FACTOR : PF>0.90 @ Full Load • TOTAL HARMONIC DISTORTION: THD< 20% • LIFE HOUR : 50,000 Hours |
| Control Protocol-控制協議Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 /ángulo de haz | • 16° / 24° / 25° / 30° / 38° |
| Light Source Brand-光源品牌-Fuente de luz de marca | Samsung -Replaceable LED Module (IEC 62471 'Risk Group 1' (low risk)) |
| *Lumen Maintenance LM-80 Reported by TM-21*@ 25°C | L90(10k) = 50,000 hrs / L80(10k) > 60,000 hrs / L70(10k) > 60,000 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6000K/ 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 90 |
| Chromaticity Tolerance (initial Macadam) 色度容差 (初始Macadam) Tolerancia de cromaticidad (Macadam inicial) | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 93 Lm/w(2700K), 100 Lm/w(3000K), • 100 Lm/w(4000K), 110Lm/w(5000K), • 110 Lm/w(6000K), 110Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 120 Lm/w(2700K), 120 Lm/w(3000K), • 130 Lm/w(4000K), 140 Lm/w(5000K), • 140 Lm/w(6000K), 140 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | <ul style="list-style-type: none"> • Die-cast aluminum with PMMA Lens Diffuser • 壓鑄鋁與PMMA鏡頭擴散器 • Cuerpo y adorno de aluminio fundido a presión con difusor de lentes de PMMA |
| Reflector 反光杯 Reflector | <ul style="list-style-type: none"> • Golden / Chrome / Silver / Black • 金色/鍍鎳/銀色/黑色 • Dorado / Cromo / Plata / Negro |
| Trim Color-框邊顏色-Estilo Color | Matte white or Matte Black / 啞光白色或啞光黑色 / Blanco mate o Negro Mate |
| Anti-Glare Accessories 防眩光配件 Accesorios antideslumbrantes | <ul style="list-style-type: none"> • Cellular Network 蜂巢網絡 Red celular • Lattice Glass 格子玻璃 Vidrio de celosia |
| Ingress Protection-防護等級 Protección de ingreso | IP44 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C To +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |       |









DRIZO

D66-106mm 25W Max IP44



Housing: die-cast aluminium, powder-coated, designed as heat sink. Anti-glare reflector and diffusor system made of tempered glass or PC. LED module: high-power CREE LEDs Array, CRI>80, LM-80 performance approval >50,000 hours. Integrated-Type ELV, 0-10V, DALI, DMX and RDM LED constant current control gear. Deep recessed design achieves super eye comfort. Ingress Protection :IP 44.

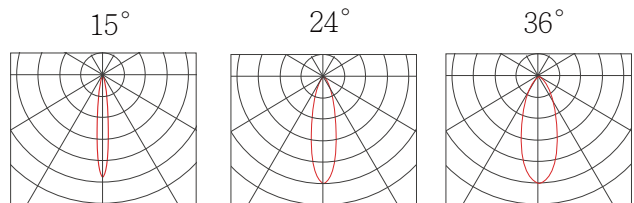
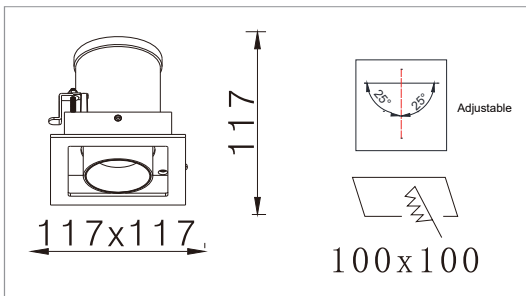
Technical Data

| | |
|--|--|
| Luminaire Type-安裝方式Tipo de luminaria | Recessed Mount Type 嵌入式筒燈 Empotrada Tipo Mount |
| Dimension-尺寸-Dimensión | • DIA 66 x H:79 mm DIA 86 x H:92 mm DIA 106 x H:117 mm |
| Cut off Dimension-開孔尺寸-Cortar Dimensión | • DIA 60 mm @ DIA 66 mm DIA 80 mm @ DIA 86 mm DIA 100 mm @ DIA 106 mm |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1 pcs CREE LED Array COB |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energía Max | • 7W @ Dia 66mm 10W @ Dia 86mm 15W @ Dia 86mm • 20W @ Dia 106mm 25W @ Dia 106mm |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ (Dimming range from 0-100%) 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF>0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% |
| Control Protocol-控制協議 Protocolo de Control | 1-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | • 15° 25° 38° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE- (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | L90(10k) = 50,700 hrs L80(10k) > 63,500 hrs L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | • > 80 • > 90 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 80 Lm/w(2700K), 80 Lm/w(3000K), 85 Lm/w(4000K), • 90 Lm/w(5000K), 90 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 110 Lm/w(2700K), 110 Lm/w(3000K), 115 Lm/w(4000K), • 120 Lm/w(5000K), 120 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum and acrylic 壓鑄鋁和亞克力 Fundición de aluminio y acrílico |
| Trim Color-框邊顏色-Estilo Color | Matte white / Matte black 啞光白色 / 啞光黑色 Blanco mate / Matte black |
| Reflector Color-反光杯顏色-Reflector color | Matte white / Matte black / Bright silver 啞光白色 / 啞光黑色 / 亮銀 Blanco mate / Matte black / Plata brillante |
| Ingress Protection-防護等級 Protección de ingreso | IP44 - (IEC 60529) |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |       |










DRAYE

L117 x W 117 x H:117mm 12W



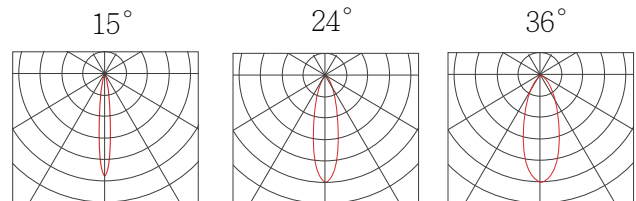
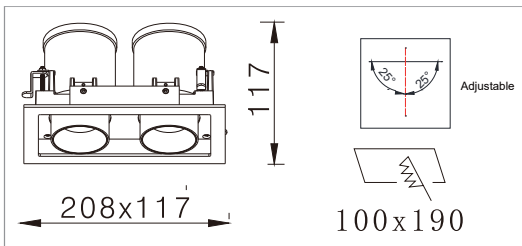
Housing: die-cast aluminium, powder-coated, designed as heat sink. Anti-glare reflector and diffusor system made of PMMA. LED module: high-power CREE LEDs Array, CRI>80, LM-80 performance approval >50,000 hours. Integrated-Type ELV, 0-10V, DALI, DMX and RDM LED constant current control gear. The Light Head can be rotated to focus the object.

Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Recessed Mount Spot Light 嵌入式射燈具 Luz empotrada empotrada del punto |
| Dimension-尺寸-Dimensión | L: 117 x W: 117 x H:117 mm |
| Cut off Dimension-開孔尺寸-Cortar Dimensión | L: 100 x W: 100 mm |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1 pcs CREE LED Array |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energía Max | 12W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | EFFICIENCY (Typ.): >85% MAX. No. of PSUs on 16A CIRCUIT BREAKER: 25 units (circuit breaker of type B) / 40 units (circuit breaker of type C at 230VAC) |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | • 15° • 24° • 36° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 85 Lm/w(2700K), • 85 Lm/w(3000K), • 90 Lm/w(4000K), • 100 Lm/w(5000K), • 100 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 100 Lm/w(2700K), • 100 Lm/w(3000K), • 105 Lm/w(4000K), • 120 Lm/w(5000K), • 120 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum and acrylic 壓鑄鋁和亞克力 Fundición de aluminio y acrílico |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating : Sand-white Body with Sand-black Trim 粉末塗料: 砂白色燈身採用砂黑色燈框 Recubrimiento en Polvo: Cuerpo blanco arena con borde negro de arena |
| Ingress Protection-防護等級 Protección de ingreso | IP20 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Indoor |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Country of Design 設計國家 | United Kingdom 英國 |
| Country of Origin 產地 | PRC 中國 |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |        |








DRAGE

L208 x W117 x H:117mm 2x12W



Housing: die-cast aluminium, powder-coated, designed as heat sink. Anti-glare reflector and diffusor system made of PMMA. LED module: high-power CREE LEDs Array, CRI>80, LM-80 performance approval >50,000 hours. Integrated-Type ELV , 0-10V, DALI, DMX and RDM LED constant current control gear. The Light Head can be rotated to focus the object.

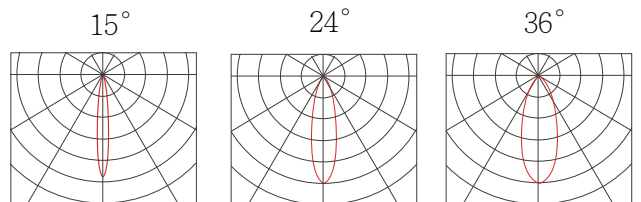
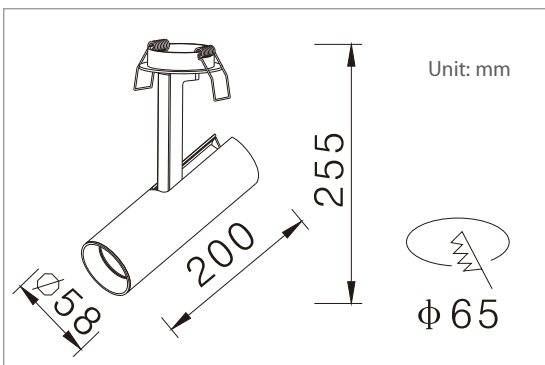
Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Recessed Mount Spot Light 嵌入式射燈具 Luz empotrada empotrada del punto |
| Dimension-尺寸-Dimensión | L: 208 x W: 117 x H:117 mm |
| Cut off Dimension-開孔尺寸-Cortar Dimensión | L: 100 x W: 90 mm |
| QTY of LEDs-燈珠數量-CANT de LEDs | 2 pcs CREE LED Array |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energía Max | 2 x 12W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | EFFICIENCY (Typ.): >85% MAX. No. of PSUs on 16A CIRCUIT BREAKER: 25 units (circuit breaker of type B) / 40 units (circuit breaker of type C at 230VAC) |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | • 15° • 24° • 36° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 85 Lm/w(2700K), • 85 Lm/w(3000K), • 90 Lm/w(4000K), • 100 Lm/w(5000K), • 100 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 100 Lm/w(2700K), • 100 Lm/w(3000K), • 105 Lm/w(4000K), • 120 Lm/w(5000K), • 120 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum and acrylic 壓鑄鋁和亞克力 Fundición de aluminio y acrílico |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating : Sand-white Body with Sand-black Trim 粉末塗料: 砂白色燈身採用砂黑色燈框 Recubrimiento en Polvo: Cuerpo blanco arena con borde negro de arena |
| Ingress Protection-防護等級 Protección de ingreso | IP20 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Indoor |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Country of Design 設計國家 | United Kingdom 英國 |
| Country of Origin 產地 | PRC 中國 |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |        |







DREL

DIA 58 x L200 x H:255 mm



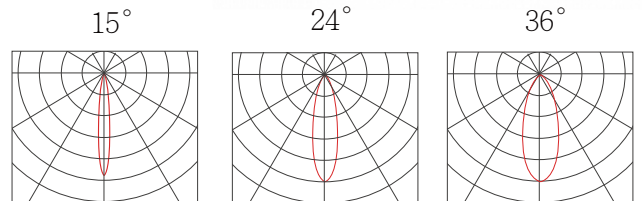
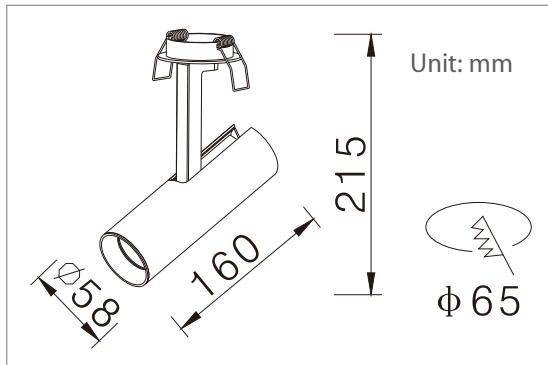
Housing: die-cast aluminium, powder-coated, designed as heat sink. Anti-glare reflector and diffusor system made of PMMA. LED module: high-power CREE LEDs Array CRI>80 LM-80 performance approve >50,000 hours. Integrated-Type ELV Dimming LED constant current control gear.

Technical Data

| | |
|---|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Spot Light 明裝式射燈具 Montar en la pared del punto de luz |
| Dimension-尺寸-Dimensión | DIA 58 x L200 x H:255 mm |
| Cut off Dimension-開孔尺寸-Cortar Dimensión | DIA 65 mm |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1 pcs CREE LED Array |
| Power Consumption Max-燈具功率 Consumo de energía Max | 18W |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ |
| Beam Angle 光束角 ángulo de haz | 15° 24° 36° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K/ 5000K/ 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SCDM 標準偏差配色 < 3 SCDM Coincidencia de color estándar Desviación |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 85lm/w(2700K), 85lm/w(3000K), 90lm/w(4000K), 100lm/w(5000K), 100lm/w(6500K) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 100lm/w(2700K), 100lm/w(3000K), 105m/w(4000K), 120lm/w(5000K), 120lm/w(6500K) |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum and acrylic 壓鑄鋁和亞克力 Fundición de aluminio y acrílico |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating :Matte black body with Matte-gold Trim / Matte white body with Matte-blackTrim 粉末塗料：啞光黑色燈身採用啞光金色燈框 / 啞光白色燈身採用啞光黑色燈框 Recubrimiento en Polvo: cuerpo negro mate con el ajuste mate y oro / cuerpo blanco mate con el ajuste negro mate |
| Ingress Protection-防護等級 Protección de ingreso | IP20 |
| Environment-使用環境-medio ambiente | Indoor |
| Certification-認證-Certificación |     |


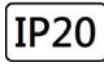
DRE

DIA 58 x L160 x H:215 mm



Housing: die-cast aluminium, powder-coated, designed as heat sink. Anti-glare reflector and diffusor system made of PMMA. LED module: high-power CREE LEDs Array CRI>80 LM-80 performance approve >50,000 hours. Integrated-Type ELV Dimming LED constant current control gear.

Technical Data

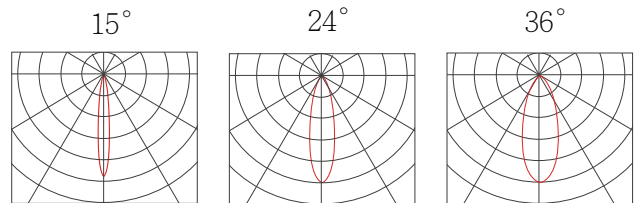
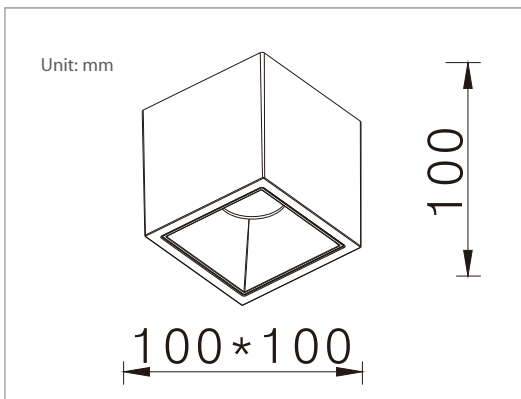
| | |
|---|---|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Spot Light 明裝式射燈具 Montar en la pared del punto de luz |
| Dimension-尺寸-Dimensión | DIA 58 x L160 x H:215 mm |
| Cut off Dimension-開孔尺寸-Cortar Dimensión | DIA65 mm |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1 pcs CREE LED Array |
| Power Consumption Max-燈具功率 Consumo de energía Max | 12W |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver-Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ |
| Beam Angle 光束角 ángulo de haz | 15° 24° 36° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K/ 5000K/ 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SCDM 標準偏差配色 < 3 SCDM Coincidencia de color estándar Desviación |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 85lm/w(2700K), 85lm/w(3000K), 90lm/w(4000K), 100lm/w(5000K), 100lm/w(6500K) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 100lm/w(2700K), 100lm/w(3000K), 105m/w(4000K), 120lm/w(5000K), 120lm/w(6500K) |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum and acrylic 壓鑄鋁和亞克力 Fundición de aluminio y acrílico |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating :Matte black body with Matte-gold Trim / Matte white body with Matte-blackTrim 粉末塗料：啞光黑色燈身採用啞光金色燈框 / 啞光白色燈身採用啞光黑色燈框 Recubrimiento en Polvo: cuerpo negro mate con el ajuste mate y oro / cuerpo blanco mate con el ajuste negro mate |
| Ingress Protection-防護等級 Protección de ingreso | IP20 |
| Environment-使用環境-medio ambiente | Indoor |
| Certification-認證-Certificación |   |

SURFACE MOUNT DOWN LIGHT



DSARC

L100xW100xH100 10-18W



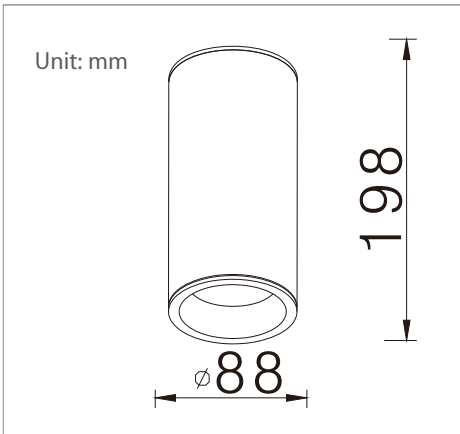
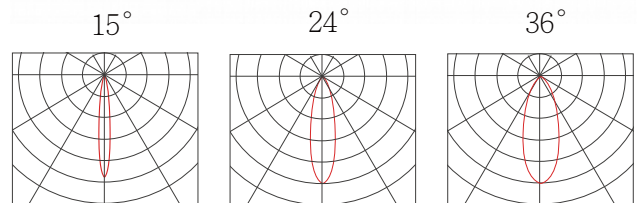
Housing: die-cast aluminium, powder-coated, designed as heat sink. Anti-glare reflector and diffusor system made of PMMA. LED module: high-power CREE LEDs Array, CRI>80, LM-80 performance approval >50,000 hours. Integrated-Type ELV, 0-10V, DALI, DMX and RDM LED constant current control gear.

Technical Data

| | |
|---|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | L100 x W 100 x H 100mm |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1 pcs CREE LED Array |
| Power Consumption Max-燈具功率 Consumo de energía Max | 10W 18W |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR: PF10.90 @ Full Load @18W TOTAL HARMONIC DISTORTION: THD< 20%@18W EFFICIENCY (Typ.): >90% MAX. No. of PSUs on 16A CIRCUIT BREAKER: 25 units (circuit breaker of type B) / 40 units (circuit breaker of type C at 230VAC) |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali/ DMX 512 / RDM |
| Beam Angle 光束角 ángulo de haz | 15° 24° 36° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE- (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K/ 5000K/ 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SCDM 標準偏差配色< 3 SCDM Coincidencia de color estándar Desviación |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 85 Lm/w(2700K), 85 Lm/w(3000K), 90 Lm/w(4000K), 100 Lm/w(5000K), 100 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 100 Lm/w(2700K), 100 Lm/w(3000K), 105 Lm/w(4000K), 120 Lm/w(5000K), 120 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum and acrylic 壓鑄鋁和亞克力 Fundición de aluminio y acrílico |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating : Matte black body with Matte-gold Trim / Matte white body with Matte-blackTrim/Matte white body with Matte-gold Trim 粉末塗料: 啞光黑色燈身採用啞光金色燈框 / 啞光白色燈身採用啞光黑色燈框/啞光白色燈身採用啞光金色燈框 Recubrimiento en Polvo: Mate cuerpo negro con mate-ajuste del oro / mate cuerpo blanco con negro mate-Recortar / mate cuerpo blanco con mate-ajuste del oro |
| Ingress Protection-防護等級 Protección de ingreso | IP20 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Indoor |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | • LED Luminaires: IEC 60598-1 / IEC 60598-2-1/ Photometric data-IES format • LED Driver: EN 55015 / IEC 61000-3-2 /IEC 61347-1 /IEC 61347-2-13/IEC 61547 |
| Certification-認證-Certificación |       |

DSAIRR

D88xH198mm 12W










Housing: die-cast aluminium, powder-coated, designed as heat sink. Anti-glare reflector and diffusor system made of PMMA. LED module: high-power CREE LEDs Array, CRI>80, LM-80 performance approval >50,000 hours. Integrated-Type ELV, 0-10V, DALI, DMX and RDM LED constant current control gear.

DSAIRR

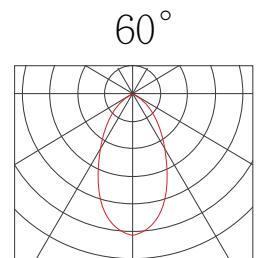
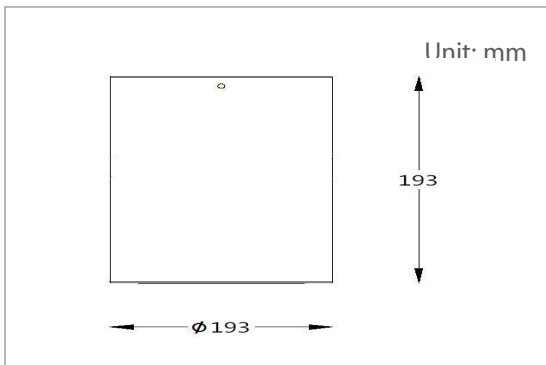
D88xH198mm 12W

Technical Data

| | |
|---|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | Dia 88 x H: 198 mm |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1 pcs CREE LED Array |
| Power Consumption Max-燈具功率 Consumo de energía Max | 12W |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | EFFICIENCY (Typ.): >85% MAX. No. of PSUs on 16A CIRCUIT BREAKER: 25 units (circuit breaker of type B) / 40 units (circuit breaker of type C at 230VAC) |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | • 15° • 24° • 36° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 85 Lm/w(2700K), • 85 Lm/w(3000K), • 90 Lm/w(4000K), • 100 Lm/w(5000K), • 100 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 100 Lm/w(2700K), • 100 Lm/w(3000K), • 105 Lm/w(4000K), • 120 Lm/w(5000K), • 120 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum and acrylic 壓鑄鋁和亞克力 Fundición de aluminio y acrílico |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating : Matte black body with Matte-gold Trim / Matte white body with Matte-blackTrim/Matte white body with Matte-gold Trim 粉末塗料：啞光黑色燈身採用啞光金色燈框 / 啞光白色燈身採用啞光黑色燈框/啞光白色燈身採用啞光金色燈框 Recubrimiento en Polvo: Mate cuerpo negro con mate-ajuste del oro / mate cuerpo blanco con negro mate-Recortar / mate cuerpo blanco con mate-ajuste del oro |
| Ingress Protection-防護等級 Protección de ingreso | IP20 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Indoor |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcion amiento | -30 °C / +50 °C |
| Country of Design 設計國家 | United Kingdom 英國 |
| Country of Origin 產地 | PRC 中國 |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-1/ Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13/IEC 61547 |
| Certification-認證-Certificación |        |








DYNON

D193xH193mm 24W Max



Housing: die-cast aluminium with powder-coated, Anti-glare reflector and Anti UV Polycarbonate (PC) diffusor. UGR <19 LED module: high-power CREE LEDs Array, CRI>90, LM-80 performance approval >60,000 hours. Integrated-Type ELV , 0-10V, DALI, LED constant current control gear.

Technical Data

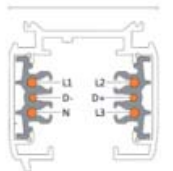
| | |
|---|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | Dia 193 x H: 193 mm |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1 pcs CREE LED Array |
| Power Consumption Max-燈具功率 Consumo de energía Max | • 9W 15W 18W 23W |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ |
| LED Driver Features驅動特性 Funciones del controlador de LED | POWER FACTOR : PF>0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | • 60° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70(10k) > 60,000 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | • > 80 • > 90 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 100 Lm/w(2700K), 120 Lm/w(3000K), 130 Lm/w((4000K), • 130 Lm/w((5000K), 130 Lm/w((6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 130 Lm/w(2700K), 150 Lm/w((3000K), 160 Lm/w((4000K), • 160 Lm/w((5000K), 160 Lm/w((6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum and Polycarbonate diffuser 壓鑄鋁和PC 擴散器 Aluminio fundido a presión y difusor de policarbonato |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating :Matte white / Matte Black 粉末塗料：啞光白色 / 啞光黑色 Recubrimiento en Polvo: Blanco mate / Negro mate |
| Reflector Color-反光杯顏色-Reflector color | Specular 亮銀 De espejo |
| Ingress Protection-防護等級 Protección de ingreso | IP20 |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcion amiento | -30 °C / +50 °C |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC/EN 60598-1 ; IEC/EN 60598-2-1 ; IEC/ EN62493 ; IEC/EN 62301 ; IEC TR 62778 & IEC 62471 (RG0) LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |        |

TRACK LIGHT



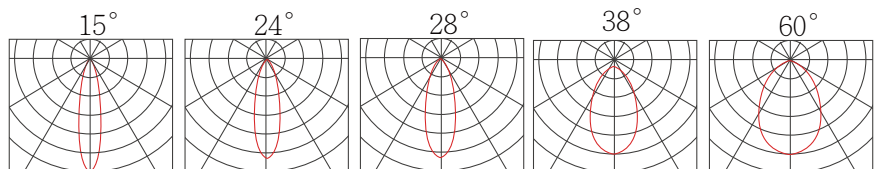
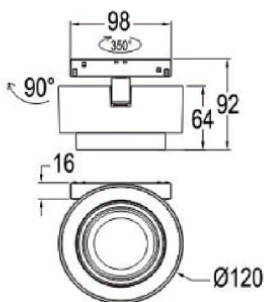
TRADA

24W & 28W









Adjustable Fixture: 90°
Horizontal Rotation: 350°

Unit: mm



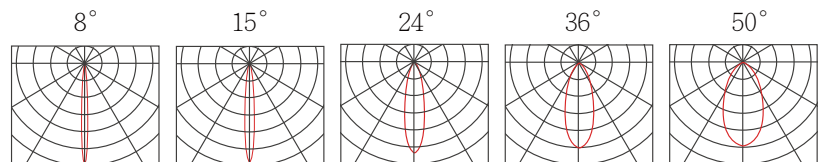
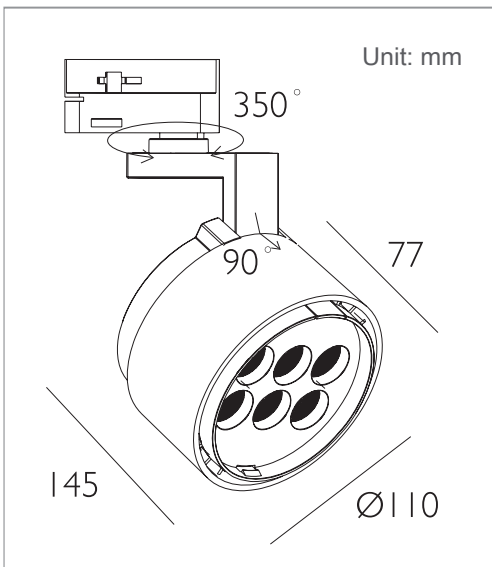
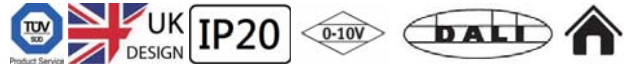
TRADA track light. Housing: die-cast aluminium, powder-coated, designed as heat sink. Anti-glare reflector and diffusor system made of PMMA. LED module: high-power CREE LEDs . Accessories: Spherolit lenswide Flood , Spherolit lens Oval Flood, Barn Door, Snoot, Cross Lover , Honeycomb

Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Track Mounted Type 軌道燈具 Tipo de huella Montado |
| Dimension-尺寸-Dimensión | Dia 120 x H: 92 x D: 64 mm |
| Input Voltage-輸入電壓-Voltaje de entrada | • AC220-240V 50/60HZ • DC Constant Current |
| Power Consumption Max-燈具功率 Consumo de energía Max | • 24W • 28W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type or Remote-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ @ Integrated-type 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 1-10V Dimming Driver(0-100%) AC100-240V 50/60HZ 4. Dali Dimming Driver (0-100%) AC100-240V 50/60HZ 5. DMX Driver (Remoted Driver)(0-100%) AC100-240V 50/60HZ (Dimming range from 0-100%) 6. RDM Driver (Remoted Driver)(0-100%) AC100-240V 50/60HZ 7. Emergency Backup (Remoted Driver) >2 hours or >3 hours @ < 24 charger hours應急電池/Copia de seguridad de emergencia 8. ZIGBEE Wireless Control (Remoted Driver)(0-100%) AC100-240V 50/60HZ |
| LED Driver Features 驅動特性 Funciones del controlador de LED | • POWER FACTOR : PF10.90 @ Full Load • TOTAL HARMONIC DISTORTION: THD< 20% |
| Control Protocol-控制協議 Protocolo de Control | 1-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | • 15° 24° 28° 38° 60° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | • >80 • >90 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 95 Lm/w(2700K), • 95 Lm/w(3000K), • 95Lm/w(4000K), • 110 Lm/w(5000K), • 110 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 125 Lm/w(2700K), • 125 Lm/w(3000K), • 125 Lm/w(4000K), • 140 Lm/w(5000K), • 140 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | • Die-cast aluminum and PMMA Lens • 壓鑄鋁和PMMA透鏡 • Aluminio fundido a troquel y lente de PMMA |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating :Matte black body / Matte white body 粉末塗料：啞光黑色燈身 / 啞光白色燈身 Recubrimiento en polvo: cuerpo negro mate / cuerpo blanco mate |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜sin condensación |
| Ingress Protection-防護等級 Protección de ingreso | IP20 |
| Accessories 配件 Accesorios | • Honeycomb蜂巢罩 Panel • Cross Lover 十字罩 Amante de la cruz • Snoot 束光筒 Snoot • Barn Door倉門罩 Puerta de granero • Spherolite lens wide Flood 球狀透鏡寬鏡片Lente de spherolite amplia inundación • Spherolite lens Oval Flood 球形透鏡橢圓拉伸鏡片 Lente Esferolita Oval Flood |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 |
| Certification-認證-Certificación |       |

TELE-24W

D110xL77 mm 24W Max



LED track light Feature:

Housing: die-cast aluminium with Anti-glare reflector and diffusor system made of PMMA

Roated Through 350° and Tilted up to 90°.







Power Connection: Pole Terminal .

LED module: LUMINUS SMD, CRI>90, LM-80 performance approval >50,000 hours. Integrated-Type ELV , 0-10V, DALI, DMX and RDM LED constant current control gear.

TELE-24W

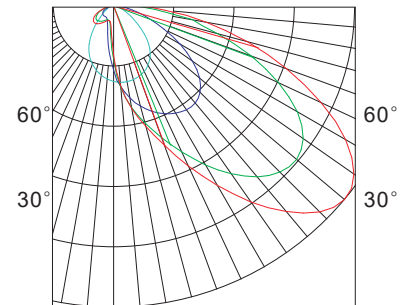
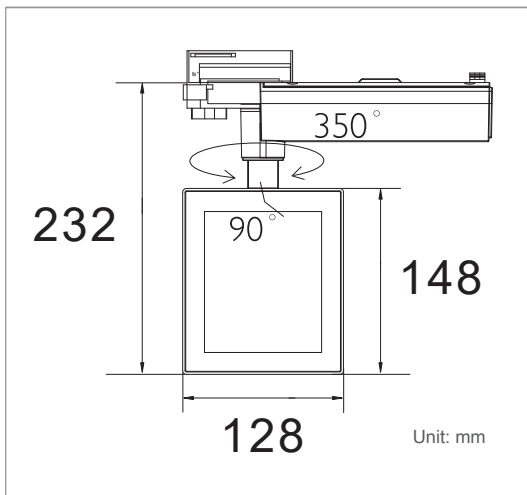
D110xL77 mm 24W Max

Technical Data

| | |
|--|---|
| Luminaire Type- 安裝方式 Tipo de luminaria | Track Mounted Type 軌道燈具 Tipo de huella Montado |
| Dimension-尺寸-Dimensión | DIA 110 x L: 77 mm |
| QTY of LEDs-燈珠數量-CANT de LEDs | 6 pcs LEDs |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 4W • 8W • 12W • 24W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver--Constant Current LED Driver: Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ @ Integrated-type 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF>0.90 @ Full Load @12W @24W TOTAL HARMONIC DISTORTION: THD< 20% @12W @24W LIFE HOUR : 50,000 Hours |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | <ul style="list-style-type: none"> • 8° • 15° • 24° • 30° • 50° |
| Light Source Brand-光源品牌-Fuente de luz de marca | LUMINUS - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21"@ 25° | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • >80 • >90 |
| Chromaticity Tolerance (initial Macadam) 色度容差 (初始Macadam) Tolerancia de cromaticidad (Macadam inicial) | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 105 Lm/w(2700K), • 105 Lm/w(3000K), • 110 Lm/w(4000K), • 115 Lm/w(5000K), • 115 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 130 Lm/w(2700K), • 130 Lm/w(3000K), • 140 Lm/w(4000K), • 150 Lm/w(5000K), • 150 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum and acrylic 壓鑄鋁和亞克力 Fundición de aluminio y acrílico |
| Housing Color 外殼顏色 color de la carcasa | Matte white / Matte black 啞光白色 / 啞光黑色 Blanco mate / Matte black |
| Ingress Protection-防護等級 Protección de ingreso | IP20 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Indoor |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |       |

TENAX-33W

L128xW148 mm 33W Max









LED track light Feature:
 Housing: die-cast aluminium with Anti-glare reflector and diffusor system made of PMMA. Roated Through 350° and Tilted up to 90°. Power Connection: Pole Terminal.
 LED module: high-power CREE LEDs, CRI>90, LM-80 performance approval >50,000 hours.
 Integrated-Type ELV , 0-10V, DALI, DMX and RDM LED constant current control gear.

TENAX-33W

L128xW148 mm 33W Max

Technical Data

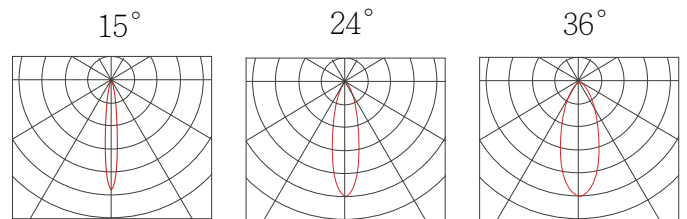
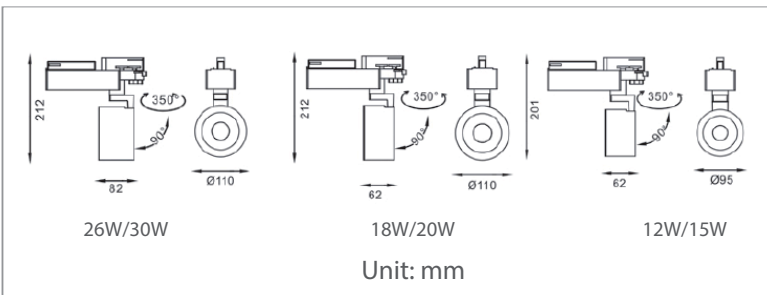
| | |
|--|---|
| Luminaire Type- 安裝方式 Tipo de luminaria | Track Mounted Type 軌道燈具 Tipo de huella Montado |
| Dimension-尺寸-Dimensión | L: 128 x W: 148 x H: 232 mm |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1 pcs CREE LED Array |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energía Max | • 12W • 24W • 33W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver--Constant Current LED Driver: Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ @ Integrated-type 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60HZ or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF>0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% LIFE HOUR : 50,000 Hours |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | Asymmetric |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21"@ 25° | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 >90 |
| Chromaticity Tolerance (initial Macadam) 色度容差 (初始Macadam) Tolerancia de cromaticidad (Macadam inicial) | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 105 Lm/w(2700K), • 105 Lm/w(3000K), • 110 Lm/w(4000K), • 115 Lm/w(5000K), • 115 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 130 Lm/w(2700K), • 130 Lm/w(3000K), • 140 Lm/w(4000K), • 150 Lm/w(5000K), • 150 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum and acrylic 壓鑄鋁和亞克力 Fundición de aluminio y acrílico |
| Housing Color 外殼顏色 color de la carcasa | Matte white / Matte black 啞光白色 / 啞光黑色 Blanco mate / Matte black |
| Ingress Protection-防護等級 Protección de ingreso | IP20 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Indoor |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |       |

T-ZORA

12W-30W











Details of the figure



TRACE track light. Housing: die-cast aluminium, powder-coated, designed as heat sink. Anti-glare reflector and diffuser system made of PMMA. LED module: high-power CREE LEDs Array, CRI>80, LM-80 performance approval >50,000 hours. Integrated-Type ELV , 0-10V and DALI LED constant current control gear.

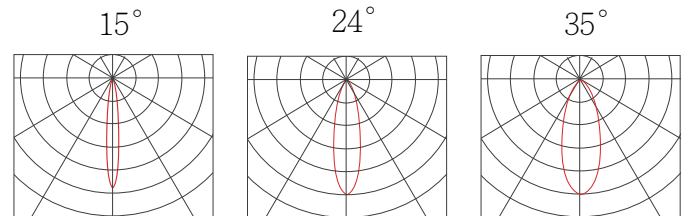
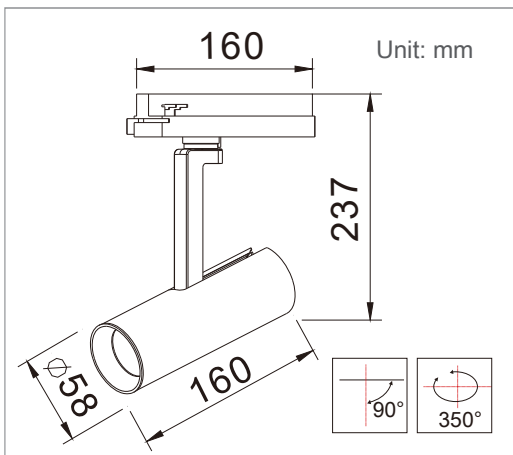
Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Track Mounted Type 軌道燈具 Tipo de huella Montado |
| Dimension-尺寸-Dimensión | <ul style="list-style-type: none"> • DIA 95 x D 62 x H: 201 mm @ 12W / 15W • DIA 110 x D 62 x H: 212 mm @ 18W / 20W • DIA 110 x D 82 x H: 212 mm @ 26W / 28W / 30W |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1 pcs CREE LED Array |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energia Max | <ul style="list-style-type: none"> • 12W • 15W • 18W • 20W • 26W • 28W • 30W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type or Remote-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ @ Integrated-type 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60HZ or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver (Remoted Driver) AC100-240V 50/60HZ 6. RDM Driver (Remoted Driver) AC100-240V 50/60HZ 7. Emergency Backup (Remoted Driver) >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia 8. ZIGBEE Wireless Control (Remoted Driver) AC100-240V 50/60HZ |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF _{0.90} @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% EFFICIENCY (Typ.): >90% MAX. No. of PSUs on 16A CIRCUIT BREAKER: 25 units (circuit breaker of type B) / 40 units (circuit breaker of type C at 230VAC) |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | <ul style="list-style-type: none"> • 15° • 24° • 36° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >90 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 80 Lm/w(2700K), • 80 Lm/w(3000K), • 85 Lm/w(4000K), • 90 Lm/w(5000K), • 90 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 90 Lm/w(2700K), • 100 Lm/w(3000K), • 105 Lm/w(4000K), • 120 Lm/w(5000K), • 120 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum and PMMA Lens 壓鑄鋁和PMMA透鏡 Aluminio fundido a troquel y lente de PMMA |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating :Matte black body / Matte white body 粉末塗料：啞光黑色燈身 / 啞光白色燈身 Recubrimiento en polvo: cuerpo negro mate / cuerpo blanco mate |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜sin condensación |
| Ingress Protection-防護等級 Protección de ingreso | IP44 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Indoor |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |         |









TRAAC

D58xL160xH237mm 18W



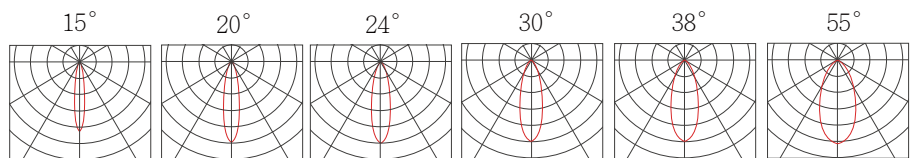
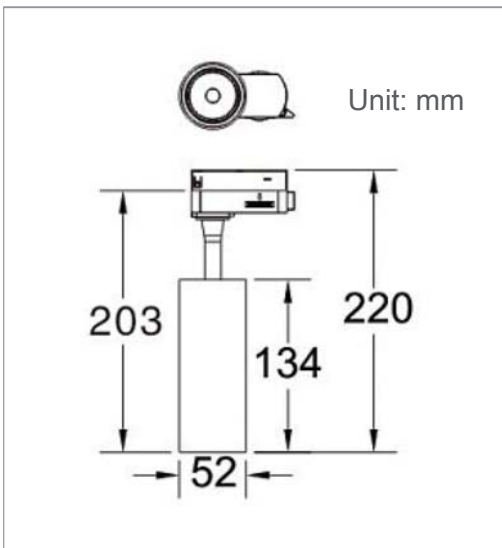
TRAAC track light. Housing: die-cast aluminium, powder-coated, designed as heat sink. Anti-glare reflector and diffuser system made of PMMA. LED module: high-power CREE LEDs Array, CRI>80, LM-80 performance approval >50,000 hours. Integrated-Type ELV , 0-10V, DALI, DMX and RDM LED constant current control gear.

Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Track Mounted Type 軌道燈具 Tipo de huella Montado |
| Dimension-尺寸-Dimensión | DIA 58 x L160 x H:237 mm |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1 pcs CREE LED Array |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energía Max | • 10W • 18W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type or Remote-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ @ Integrated-type 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. DALI Dimming Driver AC100-240V 50/60HZ |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF10.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% EFFICIENCY (Typ.): >90% MAX. No. of PSUs on 16A CIRCUIT BREAKER: 25 units (circuit breaker of type B) / 40 units (circuit breaker of type C at 230VAC) |
| Beam Angle 光束角 ángulo de haz | • 15° • 24° • 35° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 or >90 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 65 Lm/w(2700K), • 65 Lm/w(3000K), • 70 Lm/w(4000K), • 75 Lm/w(5000K), • 75 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 100 Lm/w(2700K), • 100 Lm/w(3000K), • 105 Lm/w(4000K), • 120 Lm/w(5000K), • 120 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum and acrylic 壓鑄鋁和亞克力 Fundición de aluminio y acrílico |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating :Matte black body with Matte-gold Trim / Matte white body with Matte-blackTrim 粉末塗料：啞光黑色燈身採用啞光金色燈框 / 啞光白色燈身採用啞光黑色燈框 Recubrimiento en Polvo: cuerpo negro mate con el ajuste mate y oro / cuerpo blanco mate con el ajuste negro mate |
| Ingress Protection-防護等級 Protección de ingreso | IP20 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Indoor |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Country of Design 設計國家 | United Kingdom 英國 |
| Country of Origin 產地 | PRC 中國 |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |       |








TRATE

D52 x L134 mm 12W Max IP20



TRAAC track light. Housing: die-cast aluminium, powder-coated, designed as heat sink. Anti-glare reflector and diffusor system made of PMMA. LED module: high-power CREE LEDs Array, CRI>80, LM-80 performance approval >50,000 hours. Integrated-Type ELV , 0-10V, DALI, DMX and RDM LED constant current control gear.

Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Track Mounted Type 軌道燈具 Tipo de huella Montado |
| Dimension-尺寸-Dimensión | DIA 52 x L134 mm (H:200 mm include driver) |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1 pcs CREE LED Array |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 6W • 9W • 12W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ @ Integrated-type 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0 -10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ |
| LED Driver Features 驅動特性 Funciones del controlador de LED | EFFICIENCY (Typ.): >80% MAX. No. of PSUs on 16A CIRCUIT BREAKER: 25 units (circuit breaker of type B) / 40 units (circuit breaker of type C at 230VAC) |
| Beam Angle 光束角 ángulo de haz | <ul style="list-style-type: none"> • 15° • 20° • 24° • 30° • 38° • 55° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • > 80 • >90 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 65 Lm/w(2700K), • 65 Lm/w(3000K), • 70 Lm/w(4000K), • 75 Lm/w(5000K), • 75 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 100 Lm/w(2700K), • 100 Lm/w(3000K), • 105 Lm/w(4000K), • 120 Lm/w(5000K), • 120 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum and acrylic 壓鑄鋁和亞克力 Fundición de aluminio y acrílico |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating :Matte black body with Matte-black Trim / Matte white body with Matte-black Trim 粉末塗料：啞光黑色燈身採用啞光黑色燈框 / 啞光白色燈身採用啞光黑色燈框 Recubrimiento en polvo: cuerpo negro mate con ribete negro mate / cuerpo blanco mate con ribete negro mate |
| Ingress Protection-防護等級 Protección de ingreso | IP20 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Indoor |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |        |

CLASS ROOM LIGHTING



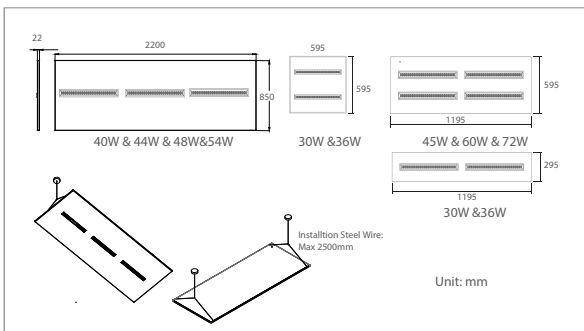
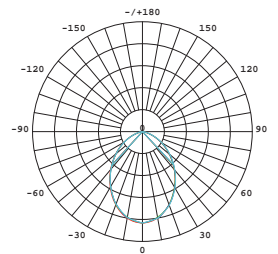
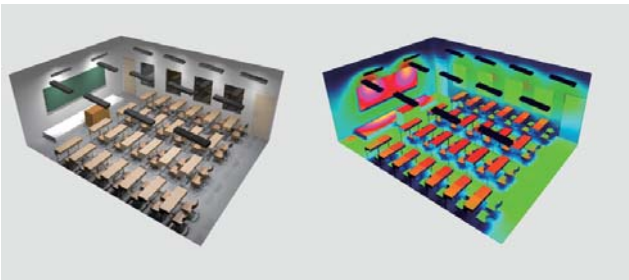
PANCY

30W-72W Max IP40

MODULAR LED TROFFER









PET Lens & ABS Reflector
UGR < 19



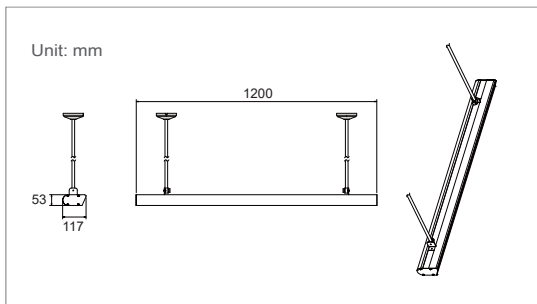
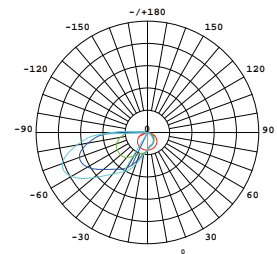
- LED MODULAR TROFFER with LED module Light Engine to easy maintenance
 - Housing: made by iron with powder-coated
 - ABS louver with PET Lens system to achieve Low Glare application UGR < 19.
- Integrated-Type ELV, 0-10V, DALI, DMX and RDM LED constant current control gear.

Technical Data

| | |
|---|---|
| Luminaire Type-安裝方式-Tipo de luminaria | Recessed & Surface & Suspended Mounted 嵌入式, 明裝或吊裝 Empotrado y superficie y suspendido montado |
| Dimension-尺寸-Dimensión | <ul style="list-style-type: none"> • L: 2200 x W: 850 x H: 22 mm L: 1195 x W: 595 x H: 22 mm • L: 595 x W: 1195 x H: 22 mm L: 595 x W: 595 x H: 22 mm |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | <ul style="list-style-type: none"> • 30W @ L: 595 x W: 595mm @ L: 595 x W: 1195mm • 36W @ L: 595 x W: 595mm @ L: 595 x W: 1195mm 45W @ L: 1195 x W: 595mm • 60W @ L: 1195 x W: 595mm 72W @ L: 1195 x W: 595mm • 40W @ L: 2200 x W: 850mm 44W @ L: 2200 x W: 850mm • 48W @ L: 2200 x W: 850mm 54W @ L: 2200 x W: 850mm |
| LED Driver Type LED驅動款式 Tipo de controlador LED | <p>Remoted-type LED Driver--Constant Current LED Driver Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED</p> <ol style="list-style-type: none"> 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. ZIGBEE Wireless Control AC100-240V 50/60HZ 8. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| LED Driver Features Constant Current LED Driver: 驅動特性-恆流LED驅動器 Funciones del controlador de LED | <p>POWER FACTOR : PF>0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20%</p> |
| Control Protocol/控制協議/Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Light Source Brand-光源品牌-Fuente de luz de marca | OSRAM |
| "Lumen Maintenance LM-80 Reported by ISTMT and TM-21" | • L70(6k) > 200,000 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • >80 • >90 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle 光束角 ángulo de haz | • 86° |
| Luminaire Efficacy燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 120 Lm/w(2700K) 125 Lm/w(3000K) 130 Lm/w(4000K) • 135 Lm/w(5000K) 135 Lm/w(6500K) |
| LED Source Luminous Efficacy LED光源光效Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 140 Lm/w(2700K) 145 Lm/w(3000K) 150 Lm/w(4000K) • 155 Lm/w(5000K) 155 Lm/w(6500K) |
| Housing materials-外殼材料 Materiales de la carcasa | Iron with powder-coated fixture and ABS louver & PET lens 鍍金鐵表面噴粉和ABS格柵&PET透鏡 Plancha con accesorio con recubrimiento de polvo y rejilla ABS y lente PET |
| Modular Troffer Color 模組格柵顏色 Color de troffer modular | Matte white 啞光白色 Blanco mate |
| Ingress Protection-防護等級 Protección de ingreso | IP40 |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | <p>LED Luminaries: LVD: IEC/EN 60598-1;EN / IEC/EN 60598-2-1;IEC62471;IEC/EN 62031; IEC/EN 62493 ; IEC/EN 62471 TM21</p> <p>LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2 IEC/EN 61000-3-3; IEC/EN61574;EN 55015 ; IEC /EN 62384</p> |
| Certification-認證-Certificación |       |






LABITY

W117xH53x L1200mm Max 36W UGR<16



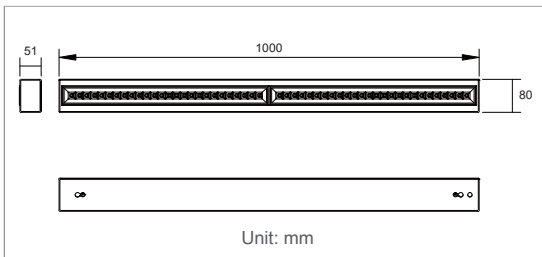
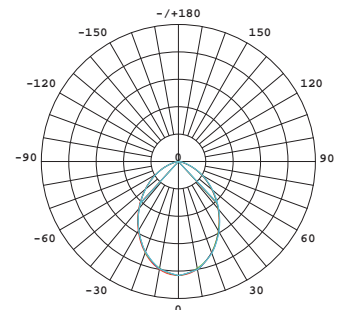
Housing: made by Extrusion aluminum fixture body with electrostatic thermo-painting, Anti-glare deep reflector and Opal Diffuser UGR<16
Integrated-Type 0-10V, DALI, DMX and RDM LED constant current control gear.

Technical Data

| | |
|---|---|
| Luminaire Type-安裝方式 Tipo de luminaria | Suspended Mounted-吊裝-Suspendido montado |
| Dimension-尺寸-Dimensión | L: 1200 x W: 117 x H: 53 mm |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | <ul style="list-style-type: none"> • 24W • 31W • 36W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated -type LED Driver-Constant Current LED Driver Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. ZIGBEE Wireless Control AC100-240V 50/60HZ 8. Remoted-Type Emergency Backup >2 hours or >3 hours @ < 24 charger hours應急電池/Copia de seguridad de emergencia |
| LED Driver Features Constant Current LED Driver: 驅動特性-恆流LED驅動器 Funciones del controlador de LED | POWER FACTOR : PF>0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% |
| Control Protocol/控制協議/Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Light Source Brand-光源品牌-Fuente de luz de marca | OSRAM - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • >85 • >90 |
| Photobiological safety-EN 62471 / of Luminaire 光生物安全檢驗(EN 62471) 結果: Seguridad fotobiológica-EN 62471 | <ul style="list-style-type: none"> • Exempt • 豁免(無危險) • Eximir |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle 光束角 ángulo de haz | Asymmetric (Wallwasher) |
| Luminaire Efficacy燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 80 Lm/w(2700K) 80Lm/w(3000K) 90 Lm/w(4000K) • 100 Lm/w(5000K) 100 Lm/w(6500K) |
| LED Source Luminous Efficacy LED光源光效Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 130 Lm/w(2700K) 130Lm/w(3000K) 140 Lm/w(4000K) • 150 Lm/w(5000K) 150 Lm/w(6500K) |
| Housing materials-外殼材料 Materiales de la carcasa | Aluminum and Opal acrylic Diffuser 鋁和乳白擴散罩 Difusor de aluminio y acrílico opal |
| Housing Color外殼顏色color de la carcasa | Matte white 啞光白色 Blanco mate |
| Ingress Protection-防護等級 Protección de ingreso | IP40 |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcion amiento | -30 °C / +50 °C |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaries: LVD: IEC/EN 60598-1;EN / IEC/EN 60598-2-1;IEC62471;IEC/EN 62031; IEC/EN 62493 ; IEC/EN 62471 LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; IEC/EN 61000-3-3;IEC/EN61574;EN 55015 ; IEC /EN 62384 |
| Certification-認證-Certificación |      |

LASHE-II

W80xH51mm Max 36W UGR<19



LED LINEAR PENDANT LIGHT. Housing: made by iron, powder-coated fixture body with ABS louver. PET Lens system to achieve Low Glare application UGR <19. LED module: SMD LEDs, CRI>80, LM-80 performance approval >50,000 hours. Integrated-Type ELV, 0-10V, DALI, DMX and RDM LED constant current control gear.

LASHE-II

W80xH51mm Max 36W UGR<19

DIMON
TECHNOLOGY

Technical Data

| | |
|---|---|
| Luminaire Type- 安裝方式 Tipo de luminaria | Suspended Mounted 吊裝 Suspendido montado |
| Dimension-尺寸-Dimensión | L: 1000 x W: 80 x H: 51 mm |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | 36W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated -type LED Driver--Constant Current LED Driver Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. ZIGBEE Wireless Control AC100-240V 50/60HZ 8. Remoted-Type Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| LED Driver Features Constant Current LED Driver: 驅動特性-恆流LED驅動器 Funciones del controlador de LED | POWER FACTOR : PF>0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% |
| Control Protocol/控制協議/Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Light Source Brand-光源品牌-Fuente de luz de marca | OSRAM - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle 光束角 ángulo de haz | 86° Lens UGR<19 |
| Luminaire Efficacy燈具效率 La eficacia de la luminaria | • 150 Lm/w(2700K) • 150 Lm/w(3000K) • 155 Lm/w(4000K) • 160 Lm/w(5000K) • 160 Lm/w(6500K) |
| LED Source Luminous Efficacy LED光源光效Fuente luminosa LED Eficacia | • 170 Lm/w(2700K) • 170 Lm/w(3000K) • 180 Lm/w(4000K) • 190 Lm/w(5000K) • 190 Lm/w(6500K) |
| Housing materials-外殼材料 Materiales de la carcasa | Iron with powder-coated fixture and ABS louver & PET lens 鍍金鐵表面噴粉和ABS格柵&PET透鏡 Plancha con accesorio con recubrimiento de polvo y rejilla ABS y lente PET |
| Housing Color 外殼顏色 color de la carcasa | Matte white 啞光白色 Blanco mate |
| Ingress Protection-防護等級 Protección de ingreso | IP20 |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaries: LVD: IEC/EN 60598-1;EN / IEC/EN 60598-2-1;IEC62471;IEC/EN 62031; IEC/EN 62493 ; IEC/EN 62471 TM21 LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2 IEC/EN 61000-3-3;IEC/EN61574;EN 55015 ; IEC /EN 62384 |
| Certification-認證-Certificación |       |

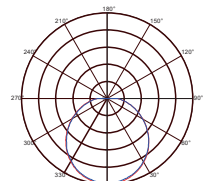
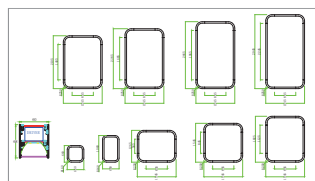
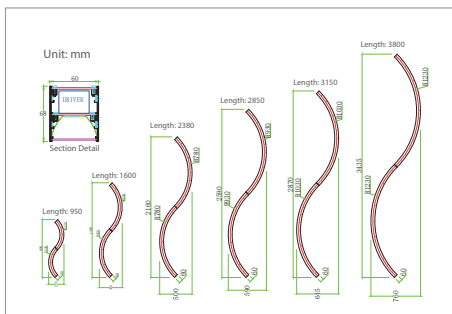
PENDANT LIGHT

OFFICE LIGHTING



LASHE





W60xH68mm UGR<19



Housing: made by Extrusion aluminum fixture body with PMMA Opal diffuser to achieve Low Glare application UGR <19. High CRI :>90 to work as natural sunlight The Blue Light Risk Group is Exempt Group under IEC 62471

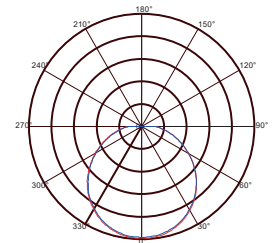
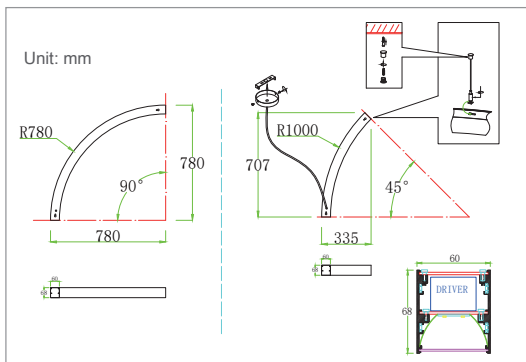
PENDANT LIGHT

Technical Data

| | |
|---|--|
| Luminaire Type-安裝方式/Tipo de luminaria | <ul style="list-style-type: none"> • Trimless Recessed & Surface & Suspended Mounted • 無邊框嵌入式, 明裝或吊裝 • Trimless Recessed & Surface & Suspended Mounted |
| Dimension-尺寸-Dimensión | <ul style="list-style-type: none"> • Refer To Drawing 參考圖紙-Consulte el dibujo • 280mm Step Cut |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | <ul style="list-style-type: none"> • 15W Per Meter • 20W Per Meter • 24W Per Meter Tailor-made - 客制生產-Hecho a medida |
| Input Voltage / 輸入電壓 Voltaje de entrada | 220-240V/AC 50/60Hz |
| LED Driver Type LED驅動款式 Tipo de controlador de LED | <p>Integrated-type LED Driver--Constant Current LED Driver Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED</p> <ol style="list-style-type: none"> 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. ZIGBEE Wireless Control (Remoted Driver) AC100-240V 50/60HZ 8. Remoted Emergency Backup >2 hours or >3 hours 應急電池/Copia de seguridad de emergencia |
| LED Driver Features Constant Current LED Driver: 驅動特性-恆流LED驅動器 Funciones del controlador de LED | <p>POWER FACTOR : PF>0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20%</p> |
| Control Protocol/控制協議/Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Light Source Brand-光源品牌-Fuente de luz de marca | OSRAM -(Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | <ol style="list-style-type: none"> 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <p>>80 >90</p> |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | <p>Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM</p> |
| Beam Angle 光束角 ángulo de haz | 110° @ UGR <19 |
| Luminaire Efficacy燈具效率 La eficacia de la luminaria | 105 Lm/w(2700K), 105 Lm/w(3000K), 110 Lm/w(4000K), 115 Lm/w(5000K), 115 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效Fuente luminosa LED Eficacia | 130 Lm/w(2700K), 130 Lm/w(3000K), 135 Lm/w(4000K), 140 Lm/w(5000K), 140 Lm/w(6500K), |
| Photobiological safety-IEC 62471 / of Luminaire 光生物安全檢驗(IEC/EN 62471) 結果: Seguridad fotobiológica-IEC 62471 | <ul style="list-style-type: none"> • Exempt • 豁免(無危險) • Eximir |
| Housing materials-外殼材料 Materiales de la carcasa | <p>Aluminium Alloy and PMMA Opal diffuser 鋁合金和亞克力擴散板 Aleación de aluminio y difusor de PMMA Opal</p> |
| Housing Color 外殼顏色 color de la carcasa | <p>Matte white / Matte black / Matte silver / Champagne Gold / Golden Bronze / Bronze 啞光白色 / 啞光黑色 / 啞光銀色 / 香檳金 / 金色青銅 / 青銅 Blanco mate / Negro mate / Plata mate / Oro champán / Bronce dorado / Bronce</p> |
| Ingress Protection-防護等級 Protección de ingreso | IP40 |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de función amiento | -30 °C / +50 °C |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | <p>LED Luminaries: IEC/ EN 60598-1; IEC/EN 60598-2-1; IEC/EN 62471; IEC/ EN 62031; IEC/EN 62493 ; IEC/EN 62471 ; IEC TR 62778 LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2 IEC/EN 61000-3-3; IEC/EN 61574; EN 55015 ; IEC /EN 62384</p> |
| Certification-認證-Certificación |     |

LASHE-I

W60xH68mm UGR<19




Housing: made by Extrusion aluminum fixture body with PMMA Opal diffuser to achieve Low Glare application UGR <19.
 High CRI :>90 to work as natural sunlight
 The Blue Light Risk Group is Exempt Group under IEC 62471

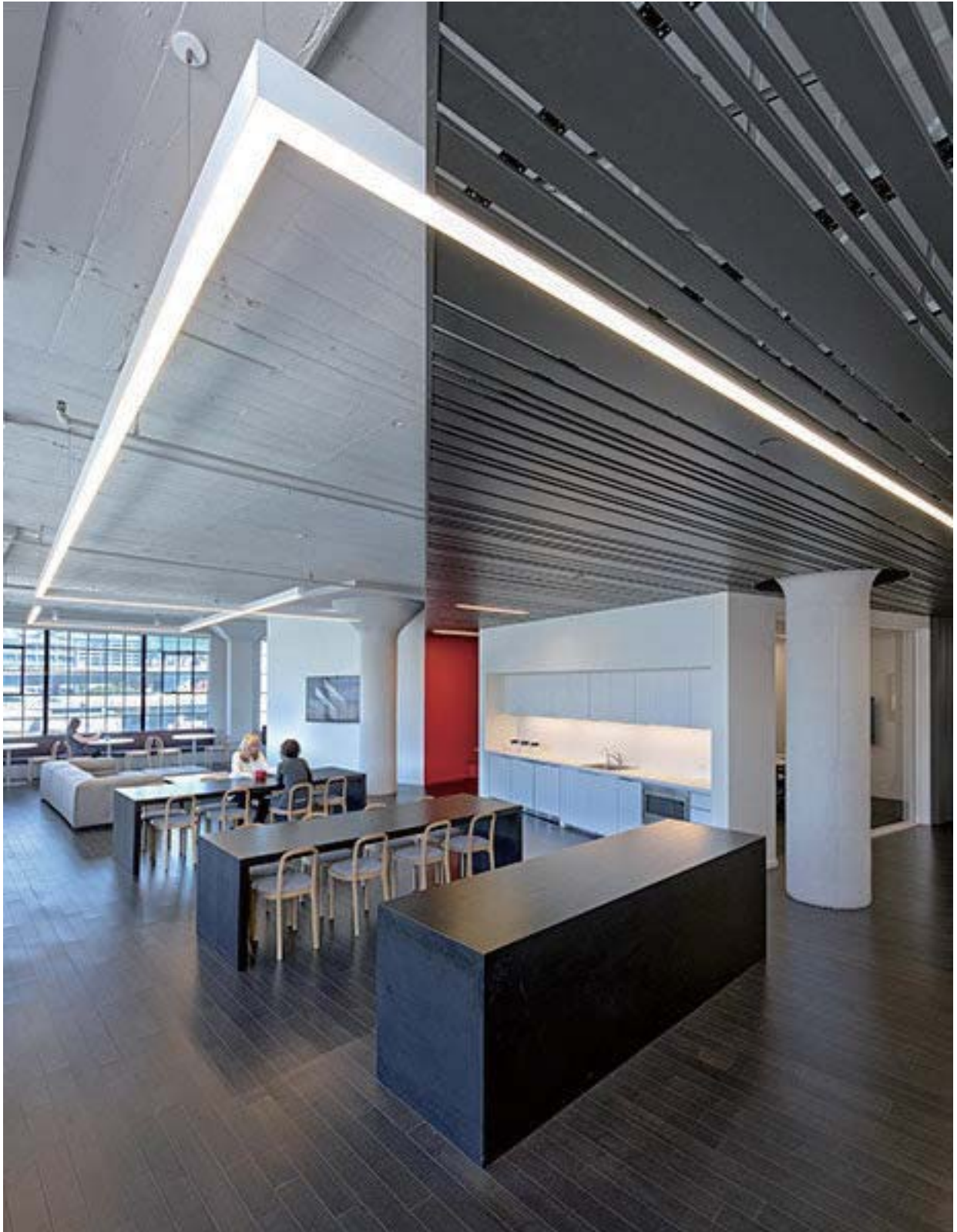
LASHE-I

W60xH68mm UGR<19

Technical Data

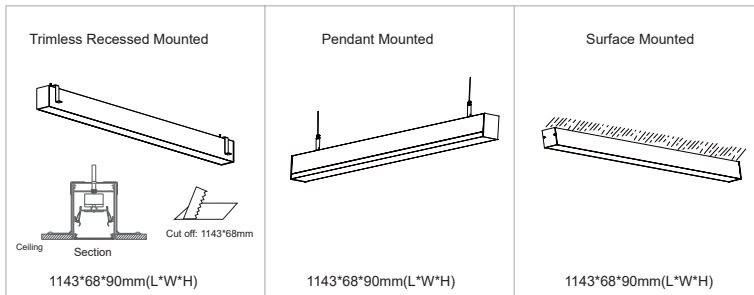
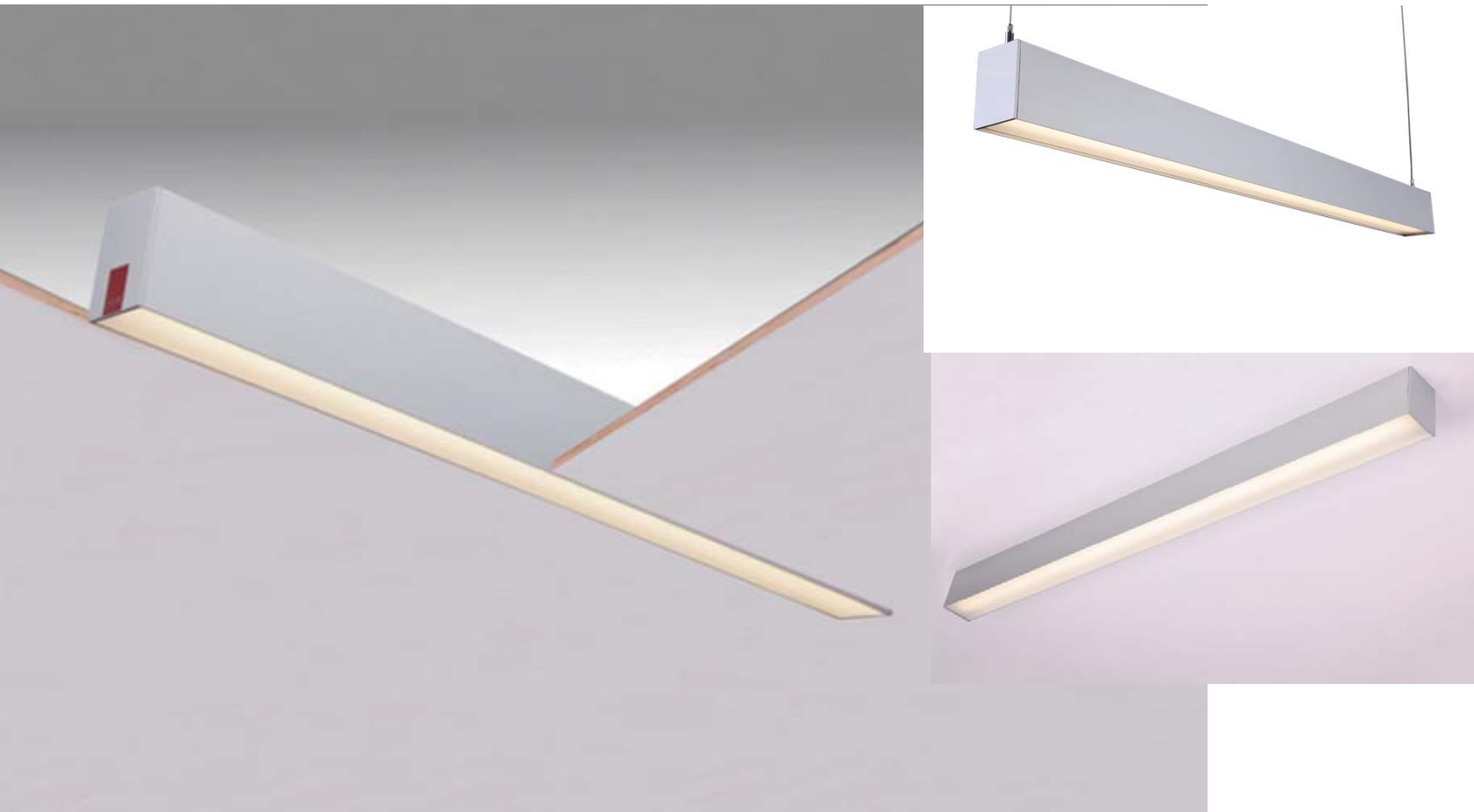
| | |
|---|---|
| Luminaire Type- 安裝方式 Tipo de luminaria | Pendant Type 吊裝燈具 Colgante tipo |
| Dimension-尺寸-Dimensión | <ul style="list-style-type: none"> • W: 60 x H: 68 x R: 780 mm @ Arc angle: 90° • W: 60 x H: 68 x R: 1000 mm @ Arc angle: 45° |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | <ul style="list-style-type: none"> • 12W @ W: 60 x H: 68 x R: 1000 mm @ Arc angle: 45° • 18W @ W: 60 x H: 68 x R: 780 mm @ Arc angle: 90° • Tailor-made - 客制生產-Hecho a medida |
| Input Voltage / 輸入電壓 Voltaje de entrada | 220-240V/AC 50/60Hz |
| LED Driver Type LED驅動款式 Tipo de controlador LED | <p>Integrated-type LED Driver--Constant Current LED Driver Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED</p> <ol style="list-style-type: none"> 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. ZIGBEE Wireless Control (Remoted Driver) AC100-240V 50/60HZ 8. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| LED Driver Features Constant Current LED Driver: 驅動特性-恆流LED驅動器 Funciones del controlador de LED | <p>POWER FACTOR : PF>0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20%</p> |
| Control Protocol/控制協議/Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Light Source Brand-光源品牌-Fuente de luz de marca | OSRAM -(Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | <ol style="list-style-type: none"> 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • >80 • >90 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | <p>Standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM</p> |
| Beam Angle 光束角 ángulo de haz | 110° @ UGR<19 |
| Luminaire Efficacy燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 105 Lm/w(2700K), 105 Lm/w(3000K), 110 Lm/w(4000K), • 115 Lm/w(5000K), 115 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 130 Lm/w(2700K), 130 Lm/w(3000K), 135 Lm/w(4000K), • 140 Lm/w(5000K), 140 Lm/w(6500K), |
| Photobiological safety-IEC 62471 / of Luminaire 光生物安全檢驗(IEC/EN 62471) 結果: Seguridad fotobiológica-IEC 62471 | <p>Exempt (Risk Group 0; RG0) 豁免(無危險) Eximir</p> |
| Housing materials-外殼材料 Materiales de la carcasa | <p>Aluminium Alloy and PMMA Opal diffuser 鋁合金和亞克力擴散板 Aleación de aluminio y difusor de PMMA Opal</p> |
| Housing Color 外殼顏色 color de la carcasa | <p>Matte white / Matte black / Matte silver 啞光白色 / 啞光黑色 / 啞光銀色 Blanco mate / Matte black / Astilla mate</p> |
| Ingress Protection-防護等級 Protección de ingreso | IP40 |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | <p>LED Luminaries: IEC/ EN 60598-1;IEC/EN 60598-2-1;IEC/EN 62471; IEC/ EN 62031; IEC/EN 62493; IEC/EN 62471; IEC TR 62778 LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2 IEC/EN 61000-3-3;IEC/EN61574; EN 55015; IEC /EN 62384</p> |
| Certification-認證-Certificación |  |

LINEAR SYSTEM

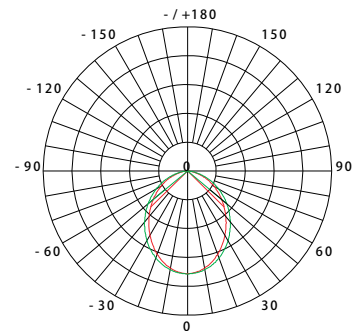


LASHA

W:68xH:90mm 36W Max Trimless [L=863-3943mm (280mm step)]



L=863-3943mm (280mm step)(Other size)



LED LINEAR LIGHT. Housing: Extrusion aluminum, powder-coated, designed as heatsink. Anti-glare reflector and diffuser system made of PMMA. LED module: SMD LEDs, CRI>80, LM-80 performance approval >50,000 hours. Integrated-Type ELV, 0-10V, DALI, DMX and RDM LED constant current control gear. Deep recessed design achieves super eye comfort. The fixture can be available in different length. Trimless Recessed & Surface & Pendant Mount Type can be available.

LED TRIMLESS RECESSED LINEAR LIGHT

LASHA








W:68xH:90mm 36W Max Trimless [L=863-3943mm
(280mm step)]

DIMON
TECHNOLOGY

Technical Data

Luminaire Type
安裝方式
Tipo de luminaria

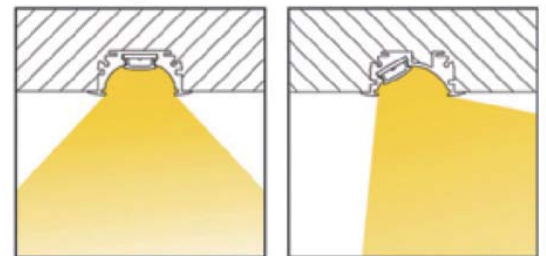
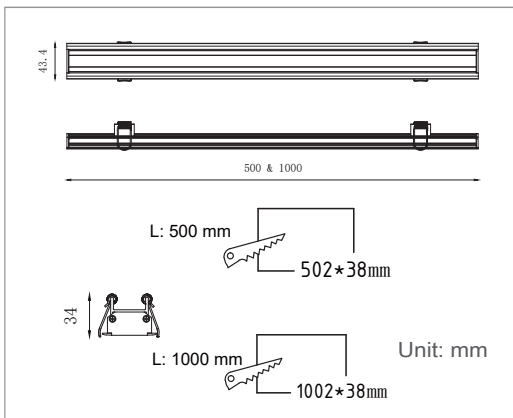
Trimless Recessed & Surface & Pendant Mount Type
嵌入式&明裝式&吊裝燈具
Tipo de montaje empotrado y empotrado y colgante

| | |
|--|--|
| Dimension-尺寸-Dimensión | L: 1143 x W: 68 x H: 90 mm [L=1143-3943mm (280mm step)] |
| Cut off Dimension-開孔尺寸-Cortar Dimensión | L: 1143 x W: 68 mm [L=1143-3943mm (280mm step)] @ TRIMLESS RECESSED |
| Power Consumption Max-燈具功率 Consumo de energía Max | • 13W @ L: 863 x W: 68 x H: 90 mm • 18W @ L: 1143 x W: 68 x H: 90 mm • 25W @ L: 1143 x W: 68 x H: 90 mm • 36W @ L: 1143 x W: 68 x H: 90 mm @ L: 2263 x W: 68 x H: 90 mm • 33W @ L: 1703 x W: 68 x H: 90 mm • 39W @ L: 1703 x W: 68 x H: 90 mm • 42W @ L: 1983 x W: 68 x H: 90 mm • 45W @ L: 1983 x W: 68 x H: 90 mm • 48W @ L: 2263 x W: 68 x H: 90 mm • 52W @ L: 2263 x W: 68 x H: 90 mm |
| Input Voltage-輸入電壓-Voltaje de entrada | 100-240 VAC / 100-277VAC 50-60Hz, |
| Power Factor / 功率因數/Factor de potencia | PF>0.90 |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD<20% |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver-Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | 110° |
| Light Source Brand-光源品牌-Fuente de luz de marca | ZHAGA - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 95 Lm/w(2700K), • 95 Lm/w(3000K), • 100 Lm/w(4000K), • 105 Lm/w(5000K), • 105 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 110 Lm/w(2700K), • 110 Lm/w(3000K), • 120 Lm/w(4000K), • 130 Lm/w(5000K), • 130 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Aluminium Alloy and PMMA Opal diffuser 鋁合金和亞克力擴散板 Aleación de aluminio y difusor de PMMA Opal |
| Housing Color 外殼顏色 color de la carcasa | Matte white / Matte black / Matte silver 啞光白色 / 啞光黑色 / 啞光銀色 Blanco mate / Matte black / Astilla mate |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0-90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de función ambiente | -30 °C / +50 °C |
| Ingress Protection-防護等級 Protección de ingreso | IP20 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Indoor |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | • LED Luminaries: LVD: IEC/EN 60598-1;EN / IEC/EN 60598-2-1;IEC62471;IEC/EN 62031; IEC/EN 62493; IEC/EN 62471 • EMC: EN55015 ; IEC/EN 61000-3-2; IEC/EN 61000-3-3;IEC/EN61574 ; RoHS • LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; • IEC/EN 61000-3-3;IEC/EN61574;EN 55015 ; IEC /EN 62384 |
| Certification-認證-Certificación |        |



LETER

W43.4xH34mm Max 28W IP40









100°

Asymmetric

LED RECESSED LINEAR PANEL. Housing: extrusion aluminum, powder-coated, designed as heatsink. Anti-glare reflector and diffuser system made of PMMA. LED module: SMD LEDs, CRI>80, LM-80 performance approval >50,000 hours. Integrated-Type ELV, 0-10V, DALI, DMX and RDM LED constant current control gear. Deep recessed design achieves super eye comfort. The fixture can be available in different beam angle: 100° and asymmetric.

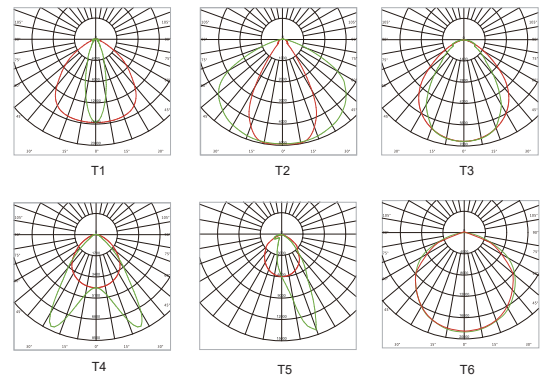
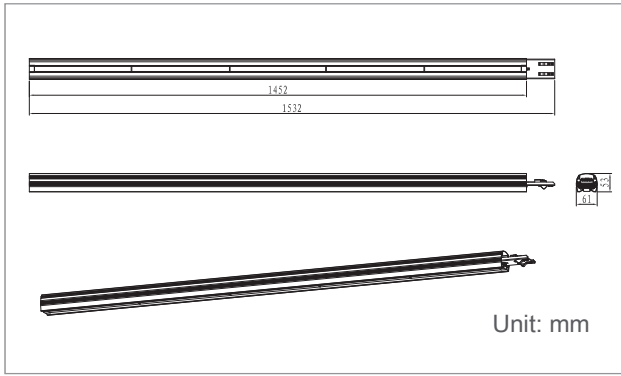
Technical Data

| | |
|---|---|
| Luminaire Type- 安裝方式 Tipo de luminaria | Recessed Mount Type 嵌入式 Empotrada Tipo Mount |
| Dimension-尺寸-Dimensión Cut off size -開孔尺寸-Corte el tamaño | <ul style="list-style-type: none"> • L: 500 x W:43.4 x H34 mm Cut off size : L: 502 x W: 38mm • L: 1000 x W:43.4 x H34 mm Cut off size : L: 502 x W: 38mm |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60HZ |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | <ul style="list-style-type: none"> • 10W @ 500mm • 12W @ 500mm • 14W @ 500mm • 20W @ 1000mm • 24W @ 1000mm • 28W @ 1000mm |
| LED Driver Type LED驅動款式 Tipo de controlador LED | <p>Integrated -type LED Driver--Constant Current LED Driver Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED</p> <ol style="list-style-type: none"> 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. ZIGBEE Wireless Control (Remoted Driver) AC100-240V 50/60HZ 8. Remoted Type Emergency Backup >2 hours or >3 hours @ < 24 charger hours應急電池/Copia de seguridad de emergencia |
| LED Driver Features Constant Current LED Driver: 驅動特性-恆流LED驅動器 Funciones del controlador de LED | <p>POWER FACTOR: PF>0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20%</p> |
| Control Protocol/控制協議/Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Light Source Brand-光源品牌-Fuente de luz de marca | OSRAM - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | <ol style="list-style-type: none"> 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • > 80 • > 90 |
| MacAdam Ellipse Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | <p>Standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM</p> |
| Beam Angle 光束角 ángulo de haz | <ul style="list-style-type: none"> • 100° PMMA Diffuser • Asymmetric Angle for Wallwasher Application |
| Luminaire Efficacy燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 85 Lm/w(2700K), • 90 Lm/w(3000K), • 90 Lm/w(4000K), • 100 Lm/w(5000K), • 100 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 120 Lm/w(2700K), • 125 Lm/w(3000K), • 125 Lm/w(4000K), • 130 Lm/w(5000K), • 130 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | <p>Die-cast aluminum and acrylic 壓鑄鋁和亞克力 Fundición de aluminio y acrílico</p> |
| Housing Color 外殼顏色 color de la carcasa | <p>Matte white / Matte black / Matte Silver 啞光白色 / 啞光黑色 / 啞光銀 Blanco mate / Matte black / Plata mate</p> |
| Ingress Protection-防護等級 Protección de ingreso | IP40 |
| Operating Humidity -工作溫度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcion amiento | -30 °C / +50 °C |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | <p>LED Luminaries: LVD: IEC/EN 60598-1;EN / IEC/EN 60598-2-1;IEC62471;IEC/EN 62031; IEC/EN 62493; IEC/EN 62471 TM21 LED Driver: IEC/EN 61347-1; IEC/EN 62384; IEC/EN 61000-3-2 IEC/EN 61000-3-3;IEC/EN61574;EN 55015 ; IEC /EN 62384</p> |
| Certification-認證-Certificación |       |









LORAD

W61xH53xL1532mm 75W Max



LED LINEAR PENDANT LIGHT. Housing: made by Extrusion aluminum fixture body with multi-type of Diffuser , Louver and Lens system to achieve Low Glare application UGR <19. And it have linear continuous connection accessories, without dark point. Several parts can be linked together in one by connectors. This kind of all-in-one design makes installation easier and faster. It is a linear trunking lighting system for industrial, residential and commercial applications. It provide environmental friendly and beautiful for your applications.

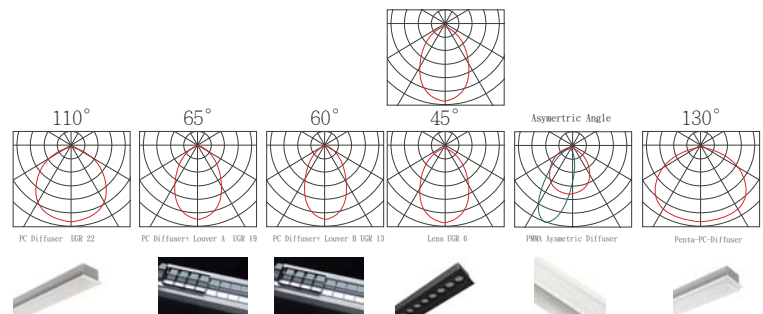
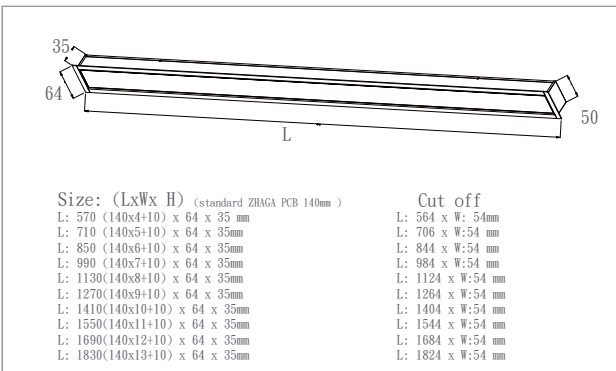
Technical Data

| | |
|---|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Pendant Type 吊裝燈具 Colgante tipo |
| Dimension-尺寸-Dimensión | W: 61 x H: 53 x L: 1532 mm |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | <ul style="list-style-type: none"> • 35 W • 40 W • 65 W • 75 W |
| Input Voltage / 輸入電壓 Voltaje de entrada | 220-240V/AC 50/60Hz |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver--Constant Current LED Driver Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. ZIGBEE Wireless Control (Remoted Driver) AC100-240V 50/60HZ 8. Emergency Backup >2 hours or >3 hours @ < 24 charger hours應急電池/Copia de seguridad de emergencia |
| LED Driver Features Constant Current LED Driver: 驅動特性-恆流LED驅動器 Funciones del controlador de LED | POWER FACTOR : PF>0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% |
| Control Protocol/控制協議/Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Light Source Brand-光源品牌-Fuente de luz de marca | OSRAM -(Photobiological safety-IEC 62471 'Risk Group 1' (low risk) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle 光束角 ángulo de haz | T1 @ Asymmetric: 40°x110° T2 @ Asymmetric: 60°x120° T3 @ Asymmetric: 80°x90° T4 @ Asymmetric: 80°x100° T5 @ Asymmetric: 60°x120° T6 @ Symmetric: 120° |
| Luminaire Efficacy燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 150 Lm/w(3000K), • 155 Lm/w(4000K), • 160 Lm/w(5000K), |
| LED Source Luminous Efficacy LED光源光效Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 170 Lm/w(3000K), • 175 Lm/w(4000K), • 180 Lm/w(5000K), |
| Housing materials-外殼材料 Materiales de la carcasa | Aluminium Alloy and PMMA Opal diffuser 鋁合金和亞克力擴散板 Aleación de aluminio y difusor de PMMA Opal |
| Housing Color 外殼顏色 color de la carcasa | Matte white / Matte black / Matte silver 啞光白色 / 啞光黑色 / 啞光銀色 Blanco mate / Matte black / Astilla mate |
| Ingress Protection-防護等級 Protección de ingreso | IP20 |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaries: LVD: IEC/EN 60598-1;EN / IEC/EN 60598-2-1;IEC62471;IEC/EN 62031; IEC/EN 62493 ; IEC/EN 62471 TM21 LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2 IEC/EN 61000-3-3;IEC/EN61574; EN 55015 ; IEC /EN 62384 |
| Certification-認證-Certificación |       |



LABITY

W64xH 35x Max 78W IP40



LED RECESSED LINEAR . Housing: made by Extrusion aluminum fixture body with multi-type of Diffuser , Louver and Lens system to achieve Low Glare application UGR <6 , UGR 13, UGR 19 and UGR 22, Zhaga LED LED Module Unit: 140mm flexible to modify the Future Length and Non-Dark point to continue connecting , Comply with Hot Wire Testing: 850°C and Electrical protection class I

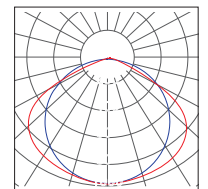
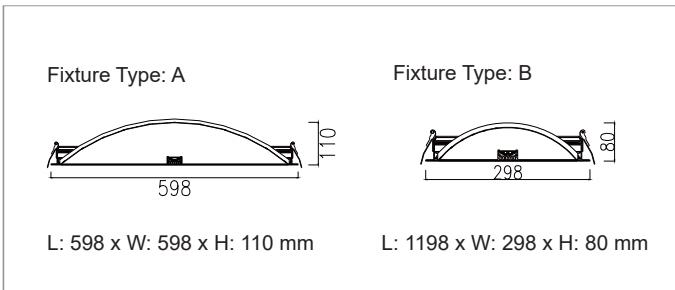
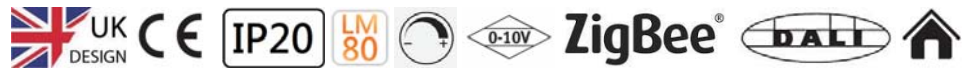


OFFICE LIGHTING










PEDDY

36W EU



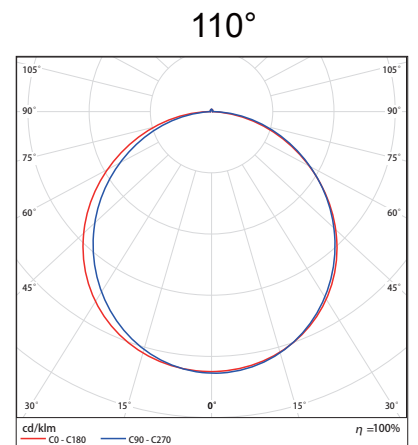
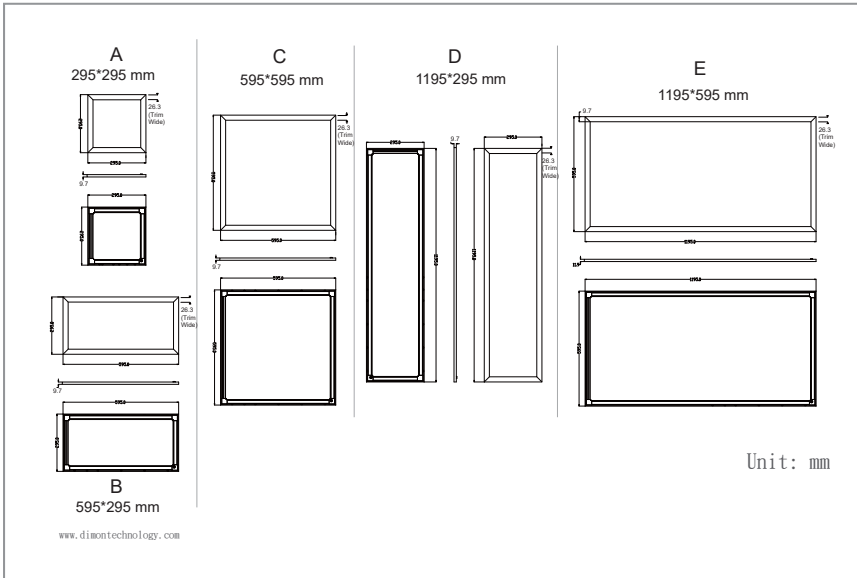
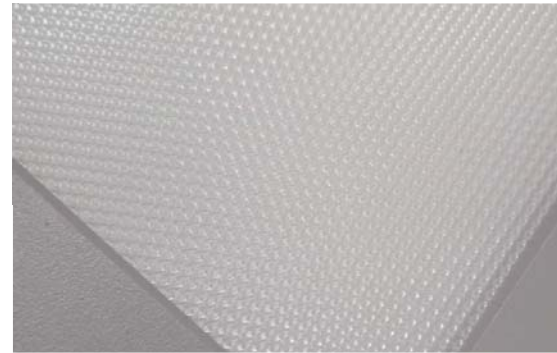
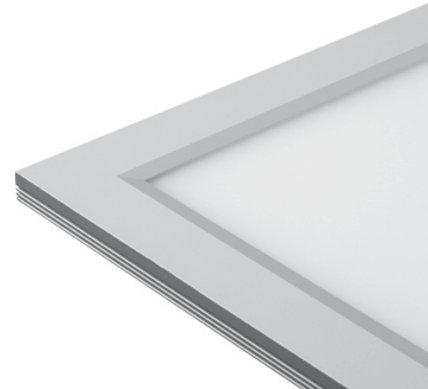
LED RECESSED PANEL. Housing: die-cast aluminium with reflection housing in Nanoflex powder coating technology to achieve the maximum output efficiency and makes soft and shadow free light output via secondary reflection and wider beam angle, designed as heatsink. Anti-glare reflector and diffusor system made of PMMA. LED module: SMD LEDs, CRI>80, LM-80 performance approval >50,000 hours. Integrated-Type ELV, 0-10V, DALI, DMX and RDM LED constant current control gear.

Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Recessed Mounted Type 嵌入式面板燈 El panel de luz |
| Dimension-尺寸-Dimensión | • L: 598 x W: 598 x H: 110 mm @ Fixture type A • L: 1198 x W: 298 x H: 80 mm @ Fixture type B |
| QTY of LEDs-燈珠數量-CANT de LEDs | SMD LEDs |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60Hz |
| Power Consumption Max-燈具功率 Consumo de energía Max | 36 W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours應急電池/Copia de seguridad de emergencia |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | 110° |
| Light Source Brand-光源品牌-Fuente de luz de marca | SMD - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 83 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 85 Lm/w(2700K), • 85 Lm/w(3000K), • 90 Lm/w(4000K), • 95 Lm/w(5000K), • 95 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 105 Lm/w(2700K), • 105 Lm/w(3000K), • 110 Lm/w(4000K), • 120 Lm/w(5000K), • 120 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | High-quality Aluminum alloy and acrylic 優質鋁合金和亞克力 Aleacion de aluminio de alta calidad y acrilico |
| Housing Color 外殼顏色 color de la carcasa | Matte White Trim-Nano Paint Finishing 啞白色框邊 (納米塗料整理) Adorno blanco mate (Acabado de pintura nano) |
| Ingress Protection-防護等級 Protección de ingreso | IP20 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Indoor |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Country of Design 設計國家 | United Kingdom 英國 |
| Country of Origin 產地 | PRC 中國 |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |        |









LNOVO

18W-72W EU



The optical assembly consists of an anodised extruded frame, Ultra-fin 10 mm and Anti UV Prismatic Plate (PMMA) with a methacrylate diffuser and reflective sheet (PET) for general light emission to reducing glare (UGR<19).

Technical Data

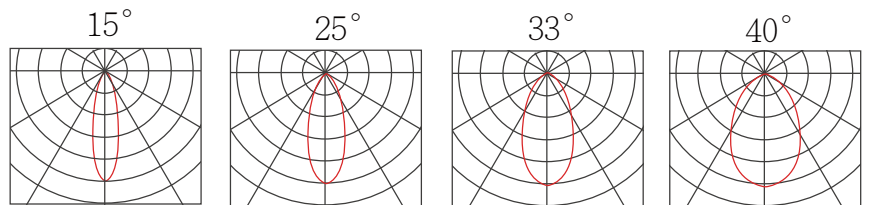
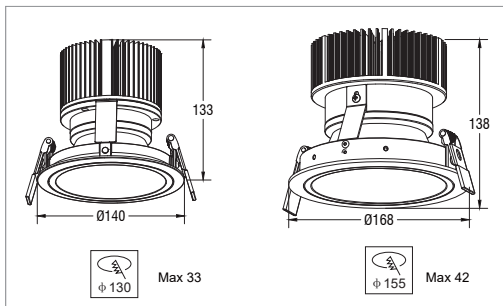
| | |
|---|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Recessed & Surface & Suspended Mounted 嵌入式, 明裝或吊裝 Empotrado y superficie y suspendido montado |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | <ul style="list-style-type: none"> • 18W@ L: 595mm x W: 595mm @ L: 295mm x W: 1195mm @ L: 595mm x W: 1195mm • 36W@ L: 595mm x W: 595mm @ L: 295mm x W: 1195mm @ L: 595mm x W: 1195mm • 48W@ L: 595mm x W: 595mm @ L: 295mm x W: 1195mm @ L: 595mm x W: 1195mm • 60W@ L: 595mm x W: 1195mm • 72W@ L: 595mm x W: 1195mm |
| Input Voltage / 輸入電壓 Voltaje de entrada | 100-240V/AC 50/60Hz (with remote driver) |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. ZIGBEE Wireless Control (Remoted Driver) AC100-240V 50/60HZ 8. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| Control Protocol/控制協議/Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| LED Driver Features Constant Current LED Driver: 驅動特性-恆流LED驅動器 Funciones del controlador de LED | <ul style="list-style-type: none"> • POWER FACTOR : PF>0.95 @ Full Load • TOTAL HARMONIC DISTORTION: THD< 20% • LIFE HOUR : 50,000 Hours • Class I and II Electrical |
| Light Source Brand-光源品牌-Fuente de luz de marca | OSRAM |
| "Lumen Maintenance LM-80 Reported by TM-21"@ 25°C | <ol style="list-style-type: none"> 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle光東角ángulo de haz | 110 ° |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 120 Lm/w(2700K) 120 Lm/w(3000K) 140 Lm/w(4000K) • 140 Lm/w(5000K) 140 Lm/w(6500K) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 140 Lm/w(2700K) 140 Lm/w(3000K) 160 Lm/w(4000K) • 160 Lm/w(5000K) 160 Lm/w(6500K) |
| Housing materials 外殼材料 Materiales de la carcasa | Aluminum and Polystyrene with prism diffuser and PMMA (Light Guid Plate) 鋁和聚苯乙烯 (菱晶擴散板) 和亞克力導光板 Difusor de aluminio y poliestireno con Prism y PMMA (luz guid Plate) |
| Housing Color 外殼顏色 color de la carcasa | White (RAL9016)Painted Aluminium frame and Anti-UV Opal Acrylic Diffuser 白色(RAL9016)鋁框和抗UV 亞克力擴散板 Marco de aluminio pintado blanco (RAL9016) y difusor acrílico opalino anti-UV |
| Ingress Protection-防護等級 Protección de ingreso | IP20 |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK03 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +50 °C |
| Operating Humidity /工作濕度/Humedad de funcionamiento | 0~90%, non-condensing-不結霜sin condensación |
| Dimension 尺寸 Dimensión | <ul style="list-style-type: none"> • L: 595mm x W: 595mm x H: 9.7 mm • L: 295mm x W: 1195mm x H: 9.7 mm • L: 595mm x W: 1195mm x H: 9.7 mm • L: 1200mm x W: 900mm x H: 9.7 mm |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaries: LVD: IEC/EN 60598-1;EN / IEC/EN 60598-2-1;IEC62471;IEC/EN 62031; IEC/EN 62493 ; IEC/EN 62471 (Risk Group 1) LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; IEC/EN 61000-3-3;IEC/EN61574;EN 55015 ; IEC /EN 62384 |
| Country of Design 設計國家 | United Kingdom 英國 |
| Certification-認證-Certificación |         |

GENERAL LIGHTING








DRAKY

Dia 140 & 168 mm Max 40W



LED RECESSED LOW GLARE DOWN LIGHT: die-cast aluminium body and Painted-white Trim with reflector and diffuser system to distribute soft and diffused light effect to achieve UGR < 22. Materials is complied with Hot Wire Testing: 850°C. CE Certified LED Driver to achieve CLASS II Protection

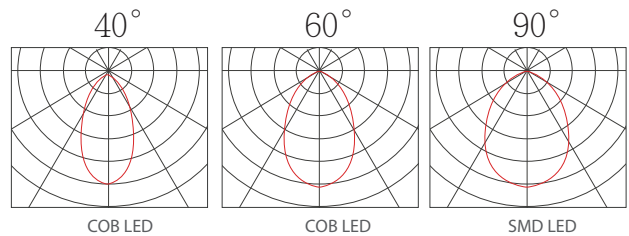
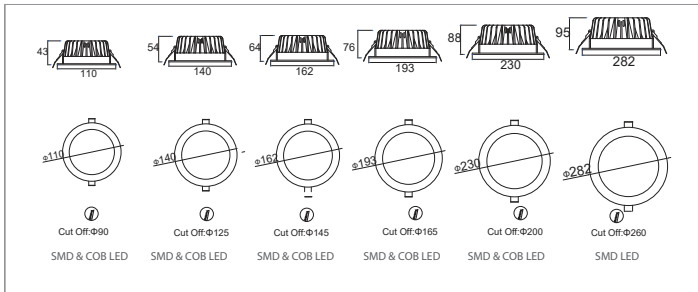
Technical Data

| | |
|--|--|
| Luminaire Type-安裝方式 Tipo de luminaria | Recessed Mount Type/嵌入式筒燈 Empotrada Tipo Mount |
| Dimension-尺寸-Dimensión / mm Cut off Dimension-開孔尺寸-Cortar Dimensión / mm | • Dia: 140 x H: 133 Cut off: Dia 130 • Dia: 168 x H: 138 Cut off: Dia 155 |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energia Max | • 12W @ Dia: 140 mm • 15W @ Dia: 140 mm • 20W @ Dia: 140 mm • 33W @ Dia: 140 mm • 19W @ Dia: 168 mm • 25W @ Dia: 168 mm • 29W @ Dia: 168 mm • 33W @ Dia: 168 mm • 40W @ Dia: 168 mm |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver--Constant Current LED Driver: Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC 220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. Zigbee Wireless Control Driver AC100-270V 50/60HZ 6. DMX Driver AC100-240V 50/60HZ 7. RDM Driver AC100-240V 50/60HZ 8. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| LED Driver Features Constant Current LED Driver: 驅動特性-恆流LED驅動器 Funciones del controlador de LED | • POWER FACTOR : PF>0.95 @ Full Load • TOTAL HARMONIC DISTORTION: THD< 20% • LIFE HOUR : 50,000 Hours |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角/ángulo de haz | • 15° 25° 33° 40° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE -Replaceable LED Module (IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21"@ 25°C | • 1. L90(10k) = 50,700 hrs • 2. L80(10k) > 63,500 hrs • 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 85 |
| Chromaticity Tolerance (initial Macadam) 色度容差 (初始Macadam) Tolerancia de cromaticidad (Macadam inicial) | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 70 Lm/w(2700K), • 70 Lm/w(3000K), • 75 Lm/w(4000K), • 80 Lm/w(5000K), • 80 Lm/w(6000K), • 80 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 120 Lm/w(2700K), • 120 Lm/w(3000K), • 130 Lm/w(4000K), • 140 Lm/w(5000K), • 140 Lm/w(6000K), • 140 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum Body and Trim with Frosted Polycarbonate (PC) Diffuser 壓鑄鋁, 磨砂乳白PC擴散罩 Cuerpo y moldura de aluminio fundido a presión con difusor de policarbonato esmerilado (PC) |
| Reflector 反光杯 Reflector | White / Silver Anodized Aluminium Reflector 白色/銀色陽極氧化鋁反射器 Reflector de aluminio anodizado blanco / plata |
| Trim Color-框邊顏色-Estilo Color | Paint Coating bright white (RAL 9010) or bright black (RAL 9005) 油漆塗料亮白 (RAL 9010) 亮黑(RAL 9005) Recubrimiento de pintura blanco brillante (RAL 9010) o negro brillante (RAL 9005) |
| Ingress Protection-防護等級 Protección de ingreso | IP44 |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK03 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C To +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 / Hot Wire Testing: 850°C LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |      |




DRINO

Dia 78 ~ Dia 282mm Max 35W IP54



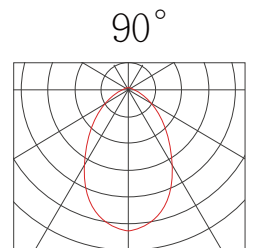
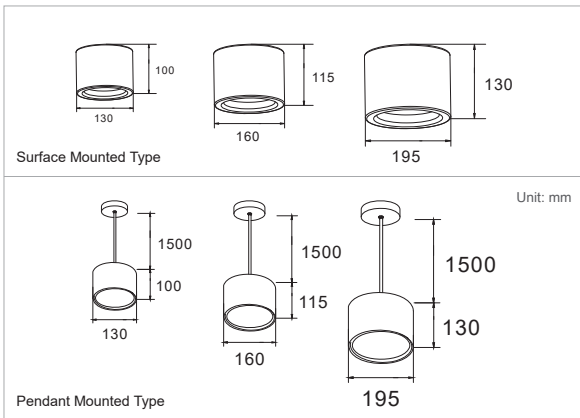
LED RECESSED LOW GLARE DOWN LIGHT. Housing: die-cast aluminium with powder-coated, Anti UV Polycarbonate (PC) diffuser and anti-glare reflector to achieve UGR< 19. Materials is complied with Hot Wire Testing: 850°C: The blue light risk group: (RG0) under IEC TR 62778 & IEC 62471 testing

Technical Data

| | |
|--|--|
| Luminaire Type-安裝方式Tipo de luminaria | Recessed Mount Type嵌入式筒燈Empotrada Tipo Mount |
| Dimension-尺寸-Dimensión Cut off Dimension-開孔尺寸-Cortar Dimensión | <ul style="list-style-type: none"> • Dia: 78 x H: 51 and Cut off Dia 65 mm • Dia: 92 x H: 35 and Cut off Dia 80 mm • Dia: 110 x H: 37 and Cut off Dia 95mm • Dia: 110 x H: 43 and Cut off Dia 90 mm • Dia: 162 x H: 64 and Cut off Dia 145 mm • Dia: 230 x H: 88 and Cut off Dia 200 mm • Dia: 85 x H: 35 and Cut off Dia 70 mm • Dia: 110 x H: 28 and Cut off Dia 90 mm • Dia: 103 x H: 68 and Cut off Dia 90 mm • Dia: 140 x H: 54 and Cut off Dia 125 mm • Dia: 193 x H: 76 and Cut off Dia 165mm • Dia: 282 x H: 76 and Cut off Dia 260mm |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energia Max | <ul style="list-style-type: none"> • 7W SMD LED @Dia: 78 x H: 51 mm @ Dia: 85 x H: 35 mm • 9W SMD LED @Dia: 78 x H: 51 mm @ Dia: 85 x H: 35 mm • 8W SMD LED @Dia: 92 x H: 35 mm • 11W SMD LED @Dia: 92 x H: 35 mm • 9W SMD LED @Dia: 110 x H: 28 mm @Dia: 110 x H: 37mm @Dia: 110 x H: 43 mm • 12W SMD LED @Dia: 110 x H: 28 mm @Dia: 110 x H: 37mm @Dia: 110 x H: 43 mm @ Dia: 140 x H: 54mm • 15W SMD LED @Dia: 140 x H: 54mm @ Dia: 162 x H: 64mm @Dia:193 x H: 76mm • 18W SMD LED @ Dia: 162 x H: 64mm @Dia:193 x H: 76mm @ Dia: 230 x H: 88mm • 23W SMD LED @Dia:193 x H: 76mm @ Dia: 230 x H: 88mm • 29W SMD LED @ Dia: 230 x H: 88mm @ Dia: 282 x H: 76mm • 35W SMD LED @ Dia: 282 x H: 76mm • 9W COB LED @Dia: 103 x H: 68mm @Dia: 110 x H: 43 mm • 12W COB LED @Dia: 103 x H: 68mm @Dia: 110 x H: 43 mm @ Dia: 140 x H: 54mm • 15W COB LED @ Dia: 140 x H: 54mm @Dia:193 x H: 76mm • 23W COB LED @ Dia: 162 x H: 64mm @Dia:193 x H: 76mm • 29W COB LED @ Dia: 162 x H: 64mm @Dia:193 x H: 76mm • 33W COB LED @Dia:193 x H: 76mm @Dia: 282 x H: 76mm • 35W COB LED @Dia: 282 x H: 76mm |
| LED Driver Type LED驅動款式 Tipo de controlador LED | <p>Remote-type LED Driver--Constant Current LED Driver: Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED</p> <ol style="list-style-type: none"> 1. ON/OFF Switch AC 220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. Zigbee Wireless Control Driver AC100-270V 50/60HZ 6. DMX Driver AC100-240V 50/60HZ 7. RDM Driver AC100-240V 50/60HZ 8. Emergency Backup >2 hours or >3 hours @ < 24 charger hours應急電池/Copia de seguridad de emergencia |
| LED Driver Type LED驅動款式 Tipo de controlador LED Driver | <ul style="list-style-type: none"> • POWER FACTOR : PF>0.9 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% |
| Beam Angle 光束角 /ángulo de haz | • 40° 60° 90° |
| Light Source Brand-光源品牌-Fuente de luz de marca | • SMD LED or CREE COB LED |
| "Lumen Maintenance LM-80 Reported by TM-21"@ 25°C | • L90(10k) = 50,700 hrs L80(10k) > 63,500 hrs L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6000K/ 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | • >80 • >90 |
| Chromaticity Tolerance (initial Macadam) 色度容差 (初始Macadam) Tolerancia de cromaticidad (Macadam inicial) | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • SMD LED + Milky Polycarbonate Diffuser 100 Lm/w(2700K), 100 Lm/w(3000K), 120 Lm/w(4000K), 120Lm/w(5000K), 120 Lm/w(6000K), 120Lm/w(6500K) • COB LED + Clear Polycarbonate Diffuser 120 Lm/w(2700K), 120 Lm/w(3000K), 140 Lm/w(4000K), 140Lm/w(5000K), 140 Lm/w(6000K), 140Lm/w(6500K) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 140 Lm/w(2700K), 140 Lm/w(3000K), 160 Lm/w(4000K), 160Lm/w(5000K), 160 Lm/w(6000K), 160Lm/w(6500K) |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum and Clear or Milky Polycarbonateuser 壓鑄鋁和透明或乳白色PC Aluminio fundido a presión y difusor de vidrio de seguridad transparente o lechoso de policarbonato |
| Trim Color-框邊顏色-Estilo Color | Matte white / Matte black 啞光白色 / 啞光黑色 Blanco mate / Matte black |
| Ingress Protection-防護等級 Protección de ingreso | IP54 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de función ambiente | -30 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC/EN 60598-1; IEC/EN 60598-2-2; IEC/ EN62493; IEC/EN 62301; IEC TR 62778 & IEC 62471 ;ROHS LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |  |

DYNIS

D130~195mm 30W Max





Housing: die-cast aluminium, powder-coated, designed as heat sink. Anti-glare reflector and diffuser system made of PMMA. LED module: high-power CREE LEDs Array, CRI>80, LM-80 performance approval >50,000 hours. Integrated-Type ELV , 0-10V, DALI, DMX and RDM LED constant current control gear.

DYNIS-30W

D130~195mm 30W Max

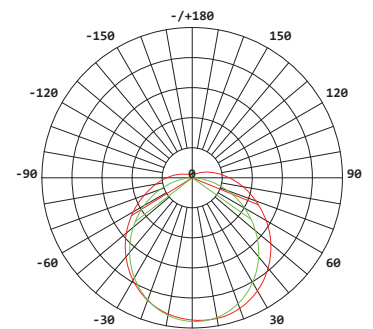
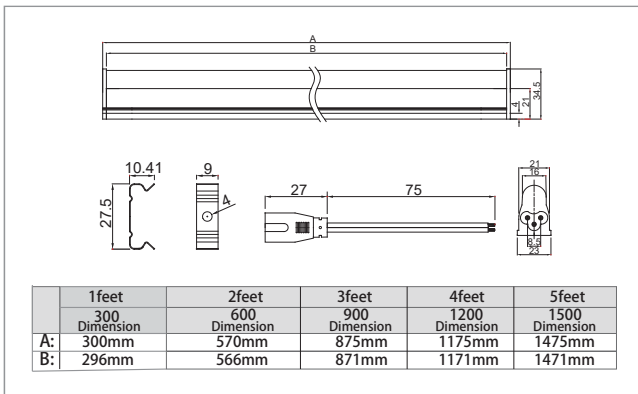
Technical Data

| | |
|--|---|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type and Pendant Mounted Type 明裝式燈具和吊裝式燈具 Tipo montado en superficie y tipo montado colgante |
| Dimension-尺寸-Dimensión | <ul style="list-style-type: none"> • Dia 130 x H: 100 mm (Pendant parts length: 1500 mm) • Dia 160 x H: 115 mm (Pendant parts length: 1500 mm) • Dia 195 x H: 130 mm (Pendant parts length: 1500 mm) |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1 pcs CREE LED Array |
| Power Consumption Max-燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 12W @ Dia 130 mm • 15W @ Dia 130 mm @ Dia 160 mm • 20W @ Dia 160 mm @ Dia 195 mm • 30W @ Dia 195 mm |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60HZ |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF>0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% EFFICIENCY (Typ.): >90% |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | 90° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 90 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 80 Lm/w(2700K), • 80 Lm/w(3000K), • 85 Lm/w(4000K), • 90 Lm/w(5000K), • 90 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 100 Lm/w(2700K), • 100 Lm/w(3000K), • 105 Lm/w(4000K), • 120 Lm/w(5000K), • 120 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum and acrylic 壓鑄鋁和亞克力 Fundición de aluminio y acrílico |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating :Matte white body 粉末塗料: 啞光白色燈身 Recubrimiento en Polvo: Mate cuerpo blanco |
| Ingress Protection-防護等級 Protección de ingreso | IP20 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Indoor |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-1/ Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 /IEC 61347-1 /IEC 61347-2-13/IEC 61547 |
| Certification-認證-Certificación |       |



BOSCA





LED Slim Batten 24W Max



LED Slim Batten Light

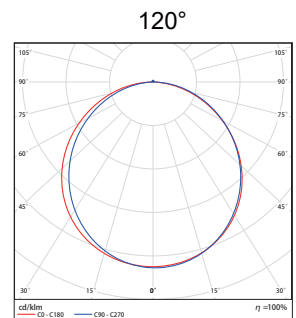
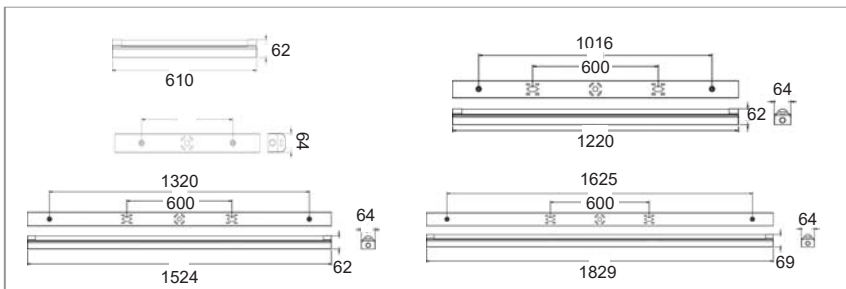
- LED Slim Batten Light for replacing T5, T8, T10 fluorescent lamp;
- White Coated Formed Steel Body with anti-glare reflector and diffusor system made of PC

Technical Data

| | |
|--|--|
| Luminaire Type-安裝方式-Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | <ul style="list-style-type: none"> • 1 feet 300mm (296mm) • 2 feet 570mm (566mm) 3 feet 875mm (871mm) • 4 feet 1175mm (1171mm) 5 feet 1475mm (1471mm) |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60Hz |
| Power Consumption Max-燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 1feet: 4W • 2feet: 6W 8W 9W • 3feet: 10W 12W 13W • 4feet: 14W 16W 18W 20W • 5feet: 22W 24W |
| Power factor 功率因數 Factor de potencia | PF > 0.90 |
| TOTAL HARMONIC DISTORTION 總諧波失真 DISTORSIÓN ARMÓNICA TOTAL | THD < 18% |
| Beam Angle 光束角 ángulo de haz | 140° |
| Light Source Brand-光源品牌-Fuente de luz de marca | Taiwan Everlight SMD LED |
| LED Life-LED壽命-La vida del LED | >50,000 hours |
| Color Temperature -色溫 Temperatura del color | • 2700k 3000K 4000K 5000K 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 >90 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 120 Lm/w@ 2700K 120 Lm/w@ 3000K 130 Lm/w@ 4000K • 140 Lm/w@ 5000K 140 Lm/w@ 6500K |
| Housing materials-外殼材料 Materiales de la carcasa | 6063 Aluminum shell and PC cover 6063鋁殼和PC蓋 Cáscara de aluminio 6063 con cubierta de policarbonato. |
| Housing Color外殼顏色color de la carcasa | White Coated Formed Steel Body and Polycarbonate 白色塗層成型鋼體和聚碳酸酯 Cuerpo de acero moldeado revestido blanco y policarbonato |
| Ingress Protection-防護等級 Protección de ingreso | IP44 |
| Weight 重量 Peso | <ul style="list-style-type: none"> • 7.3kg @2feet@25pcs 8.3kg @3feet@25pcs • 9.8kg @4feet@25pcs 10.8kg @5feet@25pcs |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | Rango de temperatura de funcionamiento -30 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC/ EN 60598-1 / EN 60598-2-1 / EN 62031 / EN 62493 / IEC/EN 62471 / IEC 60598-2-22 / IEC 62031 / EN 55015 / EN 61000-3-2 / EN 61000-3-3 / EN 61547 Luminaries Performance : IEC 62722-1 / IEC 62722-2-1 RoHS LED Driver: EN 55015 / EN 61000-3-2 / EN 61347-1 / EN 61347-2-13 / EN 61547 / EN 62384 |
| Certification-認證-Certificación |     |







BATESA

LED Slim Batten Light 6W-80W



LED Slim Batten Light for replacing T5, T8, T10 fluorescent lamp;
 White Coated Formed Steel Body with anti-glare reflector and diffuser system made of PC;
 Multiple control function is optional, switch on/off, motion sensor, DALI control dimming,
 emergency device, emergency + motion sensor.

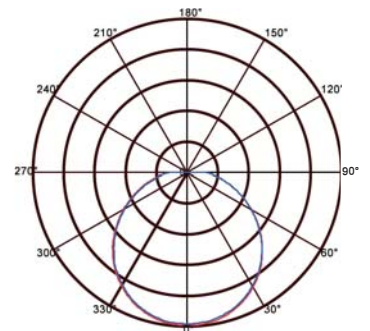
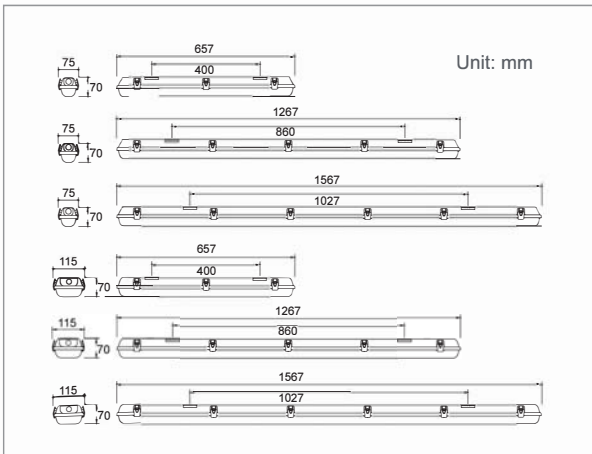
Technical Data

| Luminaire Type-安裝方式-Tipo de luminaria | Surface Mounted Type--明裝式燈具--Superficie Tipo Montado |
|--|--|
| Dimension-尺寸-Dimensión LxWxH | L: 610 x W: 64 x H: 62mm L: 1524 x W: 64 x H: 62mm L: 1220 x W: 64 x H: 62mm L: 1829 x W: 64 x H: 62mm |
| Input Voltage-輸入電壓-Voltaje de entrada | • AC220-240V 50/60HZ or AC100 ~277V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energía Max | 6W @ L: 610mm 7W @ L:610mm 8W @ L:610mm 9W@ L:610mm 10W@ L:610mm 12W @ L:610mm 14W @ L:610mm 16W @ L:610mm 18W@ L:610mm 20W@ L:610mm @ L:1220mm 24W@ L:1220mm 28W@ L:1220mm 30W@ L:1220mm 32W@ L:1220mm 36W@ L:1220mm @ L:1524mm 40W@ L:1220mm @ L:1524mm 42W @ L:1524mm 44W @ L:1524mm 48W @ L:1524mm 50W @ L: 524mm 54W @ L:1524mm 58W @ L:1524mm 60W @ L:1524mm 68W @L:1829mm 75W @L:1829mm 78W @L:1829mm 80W @L:1829 mm |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. ZIGBEE Wireless Control (Remoted Driver) AC100-240V 50/60HZ 8. Emergency Backup >2 hours or >3 hours < 12 charger hours 應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | • POWER FACTOR (Lambda): PF>0.95 or PF > 0.9 TOTAL HARMONIC DISTORTION: THD< 20% • LED DRIVE LIFETIME: 50,000 hour or 100,000 Hours and Electrical protection class I and class II |
| Control Protocol-控制協議-Protocolo de Control | • SW -ON/OFF / Dali Control / 0-10V Control / Microwave Sensor / Zigbee Wireless Control |
| Light Source Brand-光源品牌-Fuente de luz de marca | Everlight SMD LED (LM-80 Report No. 14-04-VLP-0038-TP) |
| Lumen Maintenance ISTM & TM-21"@ 25 °C 流明維持率(光通量衰減)報告: ISTM & TM-21"@ 25 °C Mantenimiento de lúmenes ISTM y TM-21 "@ 25 °C | L70 > 54,000 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 or >90 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle 光束角 ángulo de haz | 120° |
| Photobiological safety-IEC 62471 / of Luminaire 光生物安全檢驗(IEC/EN 62471) 結果: Seguridad fotobiológica-IEC 62471 | • Exempt •豁免 • Eximir |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 20 Lm/w(2700K), 120 Lm/w(3000K), 125 Lm/w(4000K), • 130 Lm/w(5000K), 130 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 140 Lm/w(2700K), 140 Lm/w(3000K), 150 Lm/w(4000K), • 160 Lm/w(5000K), 160 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | White Coated Formed Steel Body and Polycarbonate 白色塗層成型鋼體和聚碳酸酯 Cuerpo de acero moldeado revestido blanco y policarbonato |
| Ingress Protection | IP44 - (IEC 60529) |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC/ EN 60598-1 / EN 60598-2-1 / EN 62031 / EN 62493 / IEC/EN 62471 / IEC 60598-2-22 / IEC 62031 / EN 55015 / EN 61000-3-2 / EN 61000-3-3 / EN 61547 Luminaries Performance : IEC 62722-1 / IEC 62722-2-1 FSD regulation PPA 104A (4th Rev). RoHS LED Driver: EN 55015 / EN 61000-3-2 / EN 61347-1 / EN 61347-2-13 / EN 61547 / EN 62384 |
| Certification |       |










BAWATY

W75&115xH70mm 60W Max IP66



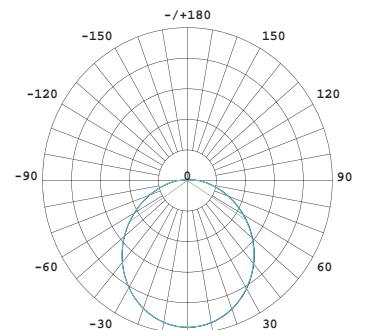
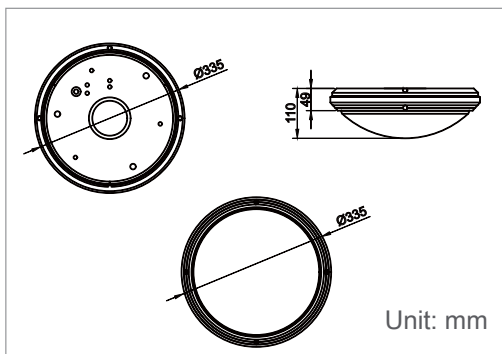
LED TRI-PROOF LIGHT BAWATY is well design for resistant Dust and Moisture resistance and waterproof. Light grey canopy polycarbonate and high transmission opal polycarbonate with refraction prisms diuser. Silicone-sponge Gasket , stainless steel toggles and stainless-steel Quick fix bracket. Ingress-protected to a level of IP66. Comply with Hot Wire Testing: 850°C and Electrical protection class I. Mech impact protection : IK10

Technical Data

| | | | | |
|---|--|---|-------------------------|--------------------------|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado | | | |
| Dimension-尺寸-Dimensión | W:75 x H:70 x L:657 mm | W:115 x H:70 x L:657 mm | W:75 x H:70 x L:1267 mm | W:115 x H:70 x L:1267 mm |
| | W:75 x H:70 x L:1567 mm | W:115 x H:70 x L:1567 mm | | |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60HZ | | | |
| Power Consumption Max-燈具功率 Consumo de energía Max | 6W @ W:75 x L:657 mm; @ W:115 x L:657 mm 8W @ W:75 x L:657 mm; @ W:115 x L:657 mm 10W @ W:75 x L:657 mm; @ W:115 x L:657 mm 14W @ W:75 x L:657 mm; @ W:115 x L:657 mm 18W @ W:75 x L:657 mm; @ W:115 x L:657 mm 24W @ W:75 x L:1267 mm @ W:115 x L:657 mm @ W:115 x L:1267 mm 28W @ W:75 x L:1267 mm @ W:115 x L:1267 mm 32W @ W:75 x L:1267 mm @ W:115 x L:1267 mm 40W @ W:75 x L:1267 mm @ W:115 x L:1267 mm 48W @ W:75 x L:1567 mm @ W:115 x L:1567 mm 54W @ W:75 x L:1567 mm @ W:115 x L:1567 mm | 7W @ W:75 x L:657 mm; @ W:115 x L:657 mm 9W @ W:75 x L:657 mm; @ W:115 x L:657 mm 12W @ W:75 x L:657 mm; @ W:115 x L:657 mm 16W @ W:75 x L:657 mm; @ W:115 x L:657 mm 20W @ W:75 x L:1267 mm @ W:115 x L:657 mm @ W:115 x L:1267 mm 30W @ W:75 x L:1267 mm @ W:115 x L:1267 mm 36W @ W:75 x L:1267 mm @ W:115 x L:1267 mm 44W @ W:75 x L:1567 mm @ W:115 x L:1567 mm 52W @ W:75 x L:1567 mm @ W:115 x L:1567 mm 60W @ W:75 x L:1567 mm @ W:115 x L:1567 mm | | |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver-Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. ZIGBEE Wireless Control (Remoted Driver) AC100-240V 50/60HZ 8. Emergency Backup >2 hours or >3 hours @ < 12 charger hours 應急電池/Copia de seguridad de emergencia | | | |
| LED Driver Features 驅動特性 Funciones del controlador de LED | <ul style="list-style-type: none"> • POWER FACTOR (Lambda): PF>0.95 or PF > 0.9 TOTAL HARMONIC DISTORTION: THD< 20% • LED DRIVE LIFETIME: 50,000 hour or 100,000 Hours and Electrical protection class I and class II | | | |
| Control Protocol-控制協議 Protocolo de Control | 1-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control | | | |
| Beam Angle 光束角 ángulo de haz | 120° | | | |
| Light Source Brand-光源品牌-Fuente de luz de marca | Everlight SMD LED (LM-80 Report No. 14-04-VLP-0038-TP) | | | |
| Lumen Maintenance ISTM & TM-21* @ 25 °C 流明維持率(光通量衰減)報告: ISTM & TM-21* @ 25 °C Mantenimiento de lúmenes ISTM y TM-21 * @ 25 °C | • L70 > 54,000 hrs | | | |
| LED Life-LED壽命-La vida del LED | Comply with LM-80-08 @ 55°C L70> 54000 hours | | | |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K | | | |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 or >90 | | | |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM | | | |
| Photobiological safety-IEC 62471 / of Luminaire 光生物安全檢驗(ICE/EN 62471) 結果: Seguridad fotobiológica-IEC 62471 | <ul style="list-style-type: none"> • Exempt (Risk Group 0; RG0) • 豁免(無危險) • Eximir | | | |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 120 Lm/w(2700K), • 130 Lm/w(5000K), | 120 Lm/w(3000K), 130 Lm/w(6500K), | 125 Lm/w(4000K), | |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 140 Lm/w(2700K), • 160 Lm/w(5000K), | 140 Lm/w(3000K), 160 Lm/w(6500K), | 150 Lm/w(4000K), | |
| Housing materials-外殼材料 Materiales de la carcasa | Polycarbonate with Recyclable Aluminium and Polycarbonate Linear-Prisms diffuser , Silicone-sponge Gasket , stainless steel toggles and Stainless-steel Quick fix bracket. 鋁和PC稜鏡擴散罩, 矽膠墊片, 不銹鋼扣和不銹鋼快速固定支架。 Policarbonato con difusor de prismas lineales de aluminio y policarbonato reciclable, Junta de esponja de silicona, palanca de acero inoxidable y soporte de fijación rápida de acero inoxidable. | | | |
| Housing Color 外殼顏色 color de la carcasa | Grey body and Milky Polycarbonate Linear-Prisms diffuser , 灰色燈身和乳白稜鏡擴散罩 Cuerpo Gris y Milky difusor | | | |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C | | | |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación | | | |
| Ingress Protection-防護等級 Protección de ingreso | IP66 (IEC 60529: 2013) | | | |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK10 (IEC 62262:2002) | | | |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC/ EN 60598-1 / EN 60598-2-1 / EN 62031 / EN 62493 / IEC/EN 62471 / IEC 60598-2-22 / IEC 62031 EN 55015 / EN 61000-3-2 / EN 61000-3-3 / EN 61547 / IEC 62262 / IEC 60529 / IEC TR62778 Luminaries Performance : IEC 62722-1 / IEC 62722-2-1 FSD regulation PPA 104A (4th Rev). RoHS LED Driver: EN 55015 / EN 61000-3-2 / EN 61347-1 / EN 61347-2-13 / EN 61547 / EN 61347-2-13 / EN 62384 | | | |
| Certification-認證-Certificación |        | | | |











CHELA

D335x H110mm 22W Max IP54



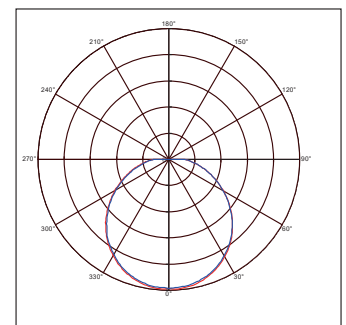
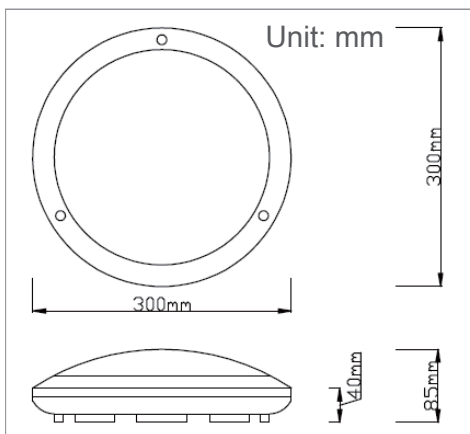
The CHELA Ceiling Light is finished by Polycarbonate base with vandal resistant Polycarbonate in opal diffuser which is self-extinguishing fire properties. And, It is able to be controlled by dimmable microwave sensor control , 0-10V and DALI.

Technical Data

| | |
|---|---|
| Luminaire Type-安裝方式-Tipo de luminaria | Ceiling Mount Type-吸頂安裝-Tipo mount en el techo |
| Dimension-尺寸-Dimensión | Dia 335 x H: 110 mm |
| Power Consumption Max-燈具功率 Consumo de energía Max | • 10W 15W 20W 22W |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60Hz |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60Hz 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60Hz 3. 0-10V Dimming Driver AC100-240V 50/60Hz 4. Dali Dimming Driver AC100-240V 50/60Hz 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 12 charger hours 應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | • POWER FACTOR : PF>0.90 @ Full Load • TOTAL HARMONIC DISTORTION: THD< 20% |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | 120° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE LED |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70(10k) > 60,000 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SCDM 標準偏差配色 < 3 SCDM Coincidencia de color estándar Desviación |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 100 Lm/w(2700K), 110 Lm/w(3000K), 120 Lm/w(4000K), • 120 Lm/w(5000K), 120 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 130 Lm/w(2700K), 140 Lm/w(3000K), 150 Lm/w(4000K), • 150 Lm/w(5000K), 150 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Polycarbonate Body and Opal diffuser PC 燈體和乳白擴散器 Cuerpo de policarbonato y difusor de ópalo. |
| Housing Color 外殼顏色 color de la carcasa | Matte white 啞光白色 Blanco mate |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 |
| Ingress Protection-防護等級 Protección de ingreso | IP54 |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcion amiento | -30 °C / +50 °C |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: EN 60598-1 / IEC 60598-2-1/ EN 62493 Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |           |







CION

26W-42W IP54



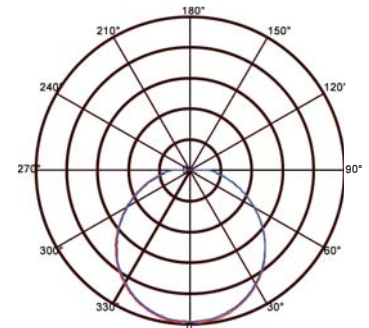
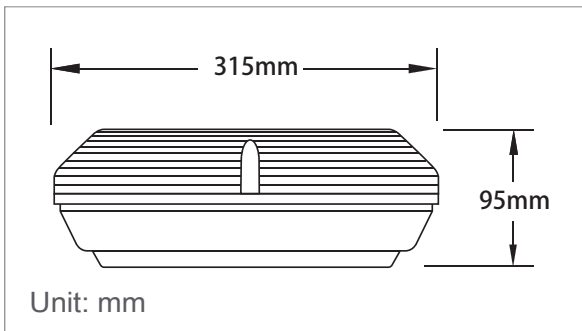
The CION Ceiling Light is finished by Die-cast aluminium base with vandal resistant Polycarbonate in opal diffuser which is self-extinguishing fire properties. And, It is able to be controlled by Dimmable Microwave sensor control , 0-10V and DALI.

Technical Data

| | |
|---|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Ceiling Mounted Type 吸頂安裝 Tipo montado en el techo |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | 26W 34W 42W(ON/OFF Switch) |
| Input Voltage / 輸入電壓 Voltaje de entrada | 220-240V/AC; 100-130V/AC, 50/60Hz |
| Dimmable Microwave Sensor Specification 可調微波傳感器規格 Especificación del sensor de microondas regulable | Adjustable Standby Brightness 可調待機亮度 Adjustable Standby Brightness: 0-60%, Adjustable Standby time 可調待機時間 Tiempo de espera ajustable: 30s-24hours, Adjustable Time delay 可調延時 Retardo de tiempo ajustable: 8sec-12min, Adjustable Detection range 可調檢測範圍 Alcance de detección ajustable : 2-10m Adjustable Lux Sensor Level 可調光敏傳感器等級 Adjustable Lux Nivel del sensor:: 2-2000Lux Detection angle: 360° |
| Control Protocol/控制協議 Protocolo de Control | 1-10V Dimming Dali Dimming Dimmable microwave sensor |
| Power Factor / 功率因數/Factor de potencia | PF>0.90 |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD<20% |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature and Color 色溫 and 顏色 Temperatura y color del color | 2700K / 3000K / 4000K/ 5000K/ 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching 3 SCDM 標準偏差配色 3 SCDM Coincidencia de color estándar Desviación |
| Beam Angle 光束角 ángulo de haz | 120 ° |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 80lm/w(2700K) 80lm /w(3000K) 85lm/w(4000K) 95lm/w(5000K) 95lm/w(6500K) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 100lm/w(2700K) 100m /w(3000K) 110m/w(4000K) 120lm/w(5000K) 120lm/w(6500K) |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and Polycarbonate (self-extinguishing fire properties) 壓鑄鋁和聚碳酸酯 (自熄性) Aluminio fundido a presión y policarbonato (propiedades de fuego autoextinguibles) |
| Housing Color 外殼顏色 color de la carcasa | Milky white 乳白色 blanco lechoso |
| Ingress Protection-防護等級 Protección de ingreso | IP54 |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK10 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +60 °C / -4 °F / +124 °F |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Dimension 尺寸 Dimensión | Dia 300 x H: 85mm |
| Certification-認證-Certificación |       |








CHELLE

SQ315x H95mm 15~20W IP66



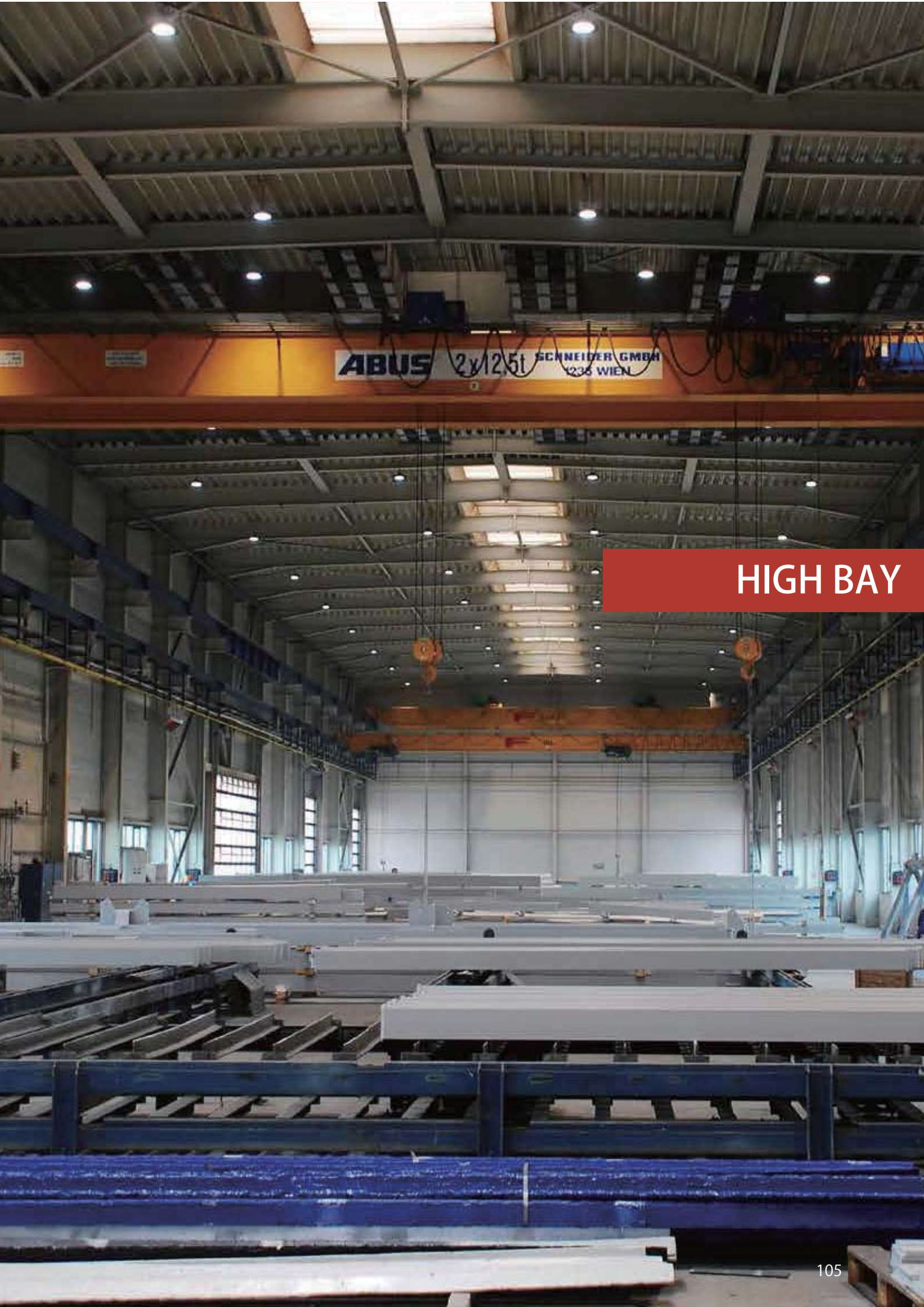
The CHELLE Ceiling Light is finished by Die-cast aluminium base with vandal resistant Polycarbonate in opal diffuser which is self-extinguishing fire properties. And, It is able to be controlled by dimmable microwave sensor control , 0-10V and DALI.

Technical Data

| | |
|---|---|
| Luminaire Type- 安裝方式 Tipo de luminaria | Ceiling Mount Type 吸頂安裝 Tipo mount en el techo |
| Dimension-尺寸-Dimensión | W: 315 x L: 315 x H: 95 mm |
| Power Consumption Max-燈具功率 Consumo de energía Max | • 15W • 20W |
| Input Voltage-輸入電壓-Voltaje de entrada | AC180-265V 50/60Hz |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC180-265V 50/60Hz 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60Hz 3. 0-10V Dimming Driver AC100-240V 50/60Hz 4. Dali Dimming Driver AC100-240V 50/60Hz 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PFI0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% EFFICIENCY (Typ.): >85% MAX. No. of PSUs on 16A CIRCUIT BREAKER: 25 units (circuit breaker of type B) / 40 units (circuit breaker of type C at 230VAC) |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | 120° |
| Light Source Brand-光源品牌-Fuente de luz de marca | SMD LED- (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 3000K / 4000K / 6000K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SCDM 標準偏差配色 < 3 SCDM Coincidencia de color estándar Desviación |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 95 Lm/w(3000K), 100 Lm/w(4000K), 105 Lm/w(6000K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 110 Lm/w(3000K), 120 Lm/w(4000K), 130 Lm/w(6000K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminium and Polycarbonate 壓鑄鋁和聚碳酸酯 Aluminio fundido a presión y policarbonato |
| Housing Color 外殼顏色 color de la carcasa | Matte white 啞光白色 Blanco mate |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Outdoor |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-1/ Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |        |

INDUSTRIAL LIGHTING



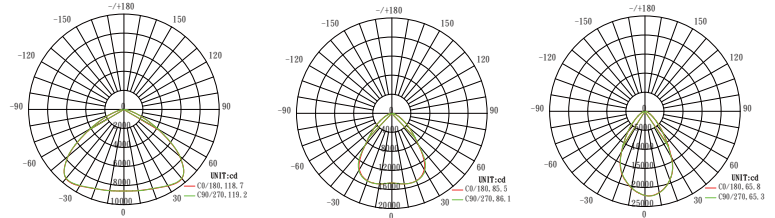
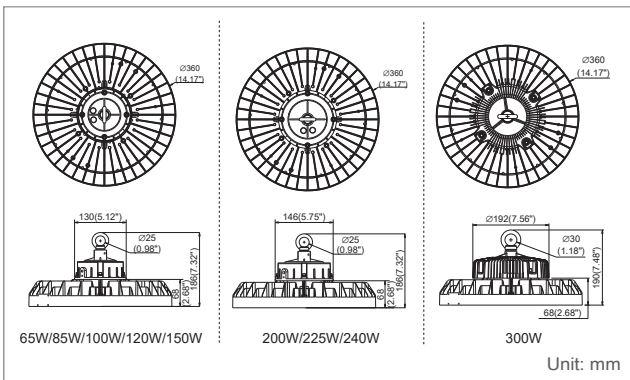


ABUS 2x12,5t SCHNEIDER GMBH
1236 WIEN

HIGH BAY

HABEE

Dia 360mm 300W Max IP65



No dust accumulation design, better heat dissipation.
 Optional :built-in microwave motion sensor, looks much compact.
 IEC TR 62778:2014 blue light hazard: Risk Group 1
 Super high efficacy up to 140-150 lm/w.

Technical Data

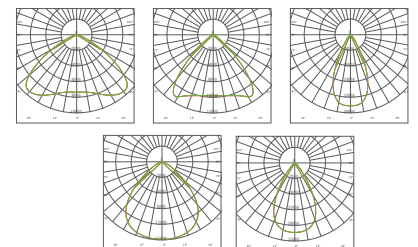
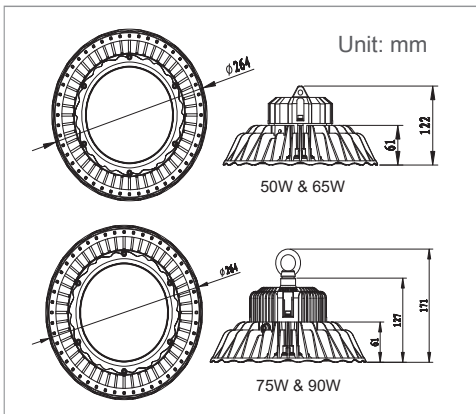
| | | | | | |
|--|--|---|--------------------------|--------|--------|
| Luminaire Type- 安裝方式 Tipo de luminaria | <ul style="list-style-type: none"> • Mounting by Bracket or Hanging. • 安裝支架固定或者吊裝 • Soporte de montaje fijo o elevación | | | | |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | • 65W | • 85W | • 100W | • 120W | • 150W |
| | • 200W | • 225W | • 240W | • 300W | |
| Input Voltage / 輸入電壓 Voltaje de entrada | <ul style="list-style-type: none"> • 100-240VAC/50-60HZ • 100-277V AC/50-60HZ | | | | |
| Control Protocol/控制協議/Protocolo de Control | SW: ON/OFF Switch Driver DA: Dali Dimming Driver RDM : RDM Dimming Driver MS: Motion Sensor | AN: 1-10V Dimming Driver DMX: DMX 512 Dimming Driver ZI: ZIGBEE Wireless Control DS: Daylight Sensor | | | |
| Power Factor / 功率因數/Factor de potencia | PF>0.93 | | | | |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD<20% | | | | |
| Protection Against Surgers/防護措施/PROTECCIÓN CONTRA LAS PROMOCIONES: | 6kV line-line,4kV line-earth | | | | |
| Light Source Brand-光源品牌-Fuente de luz de marca | LUMILEDS LED | | | | |
| "Lumen Maintenance LM-80 Reported by TM-21" | • L70 > 45,000 Hours | | | | |
| LED Life-LED壽命-La vida del LED | >50,000 hours | | | | |
| Color Temperature 色溫 Temperatura y color | • 30: (3000K) | • 40: (4000K) | • 50: (5000K) | | |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • 70 : CRI>70 • 80 : CRI>80 | | | | |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM | | | | |
| Beam Angle 光束角 ángulo de haz | • M: 60° | L: 90° | W: 120° | | |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 130 Lm/w(3000K) | • 140 Lm/w(4000K) | • 150 Lm/w(5000K) | | |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 160 Lm/w(3000K) | • 170 Lm/w(4000K) | • 180 Lm/w(5000K) | | |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and Polycarbonate 壓鑄鋁和聚碳酸酯 Aluminio fundido a presión y policarbonato | | | | |
| Housing Color 外殼顏色 color de la carcasa | Matte Black 啞光黑色 Negro mate | | | | |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) | | | | |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C | | | | |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánico | IK08 | | | | |
| Storage Temperature/儲藏溫度 Temperatura de almacenamiento | -40 °C / +70 °C | | | | |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación | | | | |
| Dimension/尺寸/Dimensión | • Dia 360 x 186mm @ 65W-240W | | • Dia 360 x 190mm @ 300W | | |
| Net Weight 淨重 Peso Neto | 3.9 kg @ 65W & 85W 100W & 120W & 150W ; 4.3 kg @ 200W & 225W & 240W ; 5.1 kg @ 300W | | | | |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaries: IEC 60598-1:2017 ; IEC 60598-2-1:1987; IEC TR 62778:2014 (RG1); IEC 62031:2014(LED Modul); IEC 61058-2000 (Sensor); ROHS LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 61347-2-13; EN 55015; EN 61000-3-2; EN 61000-3-3; EN 61547; EN 62384 | | | | |

Certification-認證-Certificación



HATRY

50W- 90W IP65



LED High Bay Light IP66. The lamp body is arched perfectly which makes not only aesthetic but also dust-proof and easy to clean. And there is no exposed screws. Presenting a beautiful outlook. At the basis of highly efficient heat dissipation solution, our design concept is "unibody", which lead the way in Bay lights. And it is able to be controlled by 0-10V, DALI, Zigbee dimming and microwave sensor option system. LED module: Nichia LEDs up to 130 lm/w. LM-80 performance approval >50,000 hours. The light performance is much better than traditional LED high bay, which saves 90% energy.

Technical Data

| | |
|--|---|
| Luminaire Type- 安裝方式 Tipo de luminaria | Mouting by Bracket or Hanging. 安裝支架固定或者吊裝 Soporte de montaje fijo o elevación |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | <ul style="list-style-type: none"> • 50W • 65W • 75W • 90W |
| Input Voltage / 輸入電壓 Voltaje de entrada | 220-240VAC/50-60HZ |
| Control Protocol/控制協議/Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Power Factor / 功率因數/Factor de potencia | PF>0.92 |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD<20% |
| Protection Against Surges/防護措施/PROTECCIÓN CONTRA LAS PROMOCIONES: | <ul style="list-style-type: none"> • 2 kV line-line • 4 kV line-earth |
| Light Source Brand-光源品牌-Fuente de luz de marca | NICHIA - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | <ol style="list-style-type: none"> 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >50,000 hours |
| Color Temperature and Color 色溫和顏色 Temperatura y color del color | <ul style="list-style-type: none"> • 3000K • 4000K • 5000K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle 光束角 ángulo de haz | <ul style="list-style-type: none"> • 50° PC lens diffuser • 60° PC lens diffuser • 90° PC lens diffuser or Aluminum Reflector • 120° PC lens diffuser |
| uminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 125 Lm/w(3000K) • 130 Lm/w(4000K) • 135 Lm/w(5000K) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 135 Lm/w(3000K) • 145 Lm/w(4000K) • 155 Lm/w(5000K) |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and Polycarbonate 壓鑄鋁和聚碳酸酯 Aluminio fundido a presión y policarbonato |
| Housing Color 外殼顏色 color de la carcasa | Matte Black / Matte White 啞光黑色 / 啞光白色 Negro mate / Blanco mate |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Storage Temperature/儲藏溫度 Temperatura de almacenamiento | -40 °C / +70 °C |
| Operating Humidity -工作濕度Humedad de funcionamiento | 0~90%, non-condensing-不結霜sin condensación |
| Dimension/尺寸/Dimensión | <ul style="list-style-type: none"> • Φ264 ×122 mm @ 50W&65W • Φ264×171mm @ 90W |
| Net Weight 淨重 Peso Neto | <ul style="list-style-type: none"> • 2.4 ±0.3 kg @ 50W & 65W • 3.1 ±0.3 kg @ 75W & 90W |
| Gross Weight 毛重 Peso Bruto | <ul style="list-style-type: none"> • 3.1 ± 0.3 kg @ 50W & 65W • 3.8 ± 0.3 kg @ 75W & 90W |
| Packing box size 包裝箱尺寸 Tamaño de la caja de embalaje | 310×235×315mm(17.32"×9.25"×12.4") |
| Country of Origin 產地 | PRC 中國 |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaries: IEC 60598-1;IEC 60598-2-1;IEC62471; LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; IEC/EN 61000-3-3;IEC/EN61574;EN 55015 |

Certification-認證-Certificación



HI BAY / LOW BAY

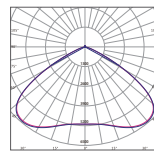
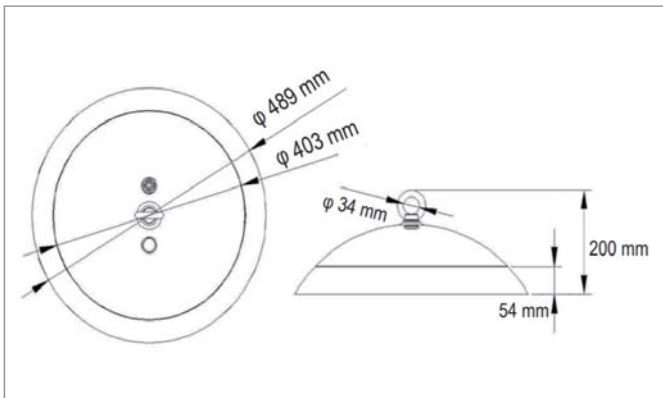
HAWEY



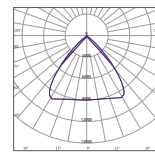
ZigBee®



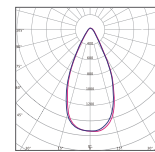
100W- 200W IP66



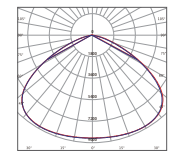
A1



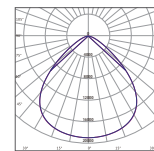
A2



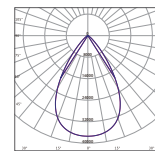
A3



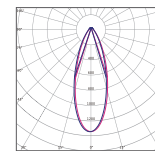
A4



A5



A6











A7

LED High Bay Light IP66. The lamp body is arched perfectly which makes not only aesthetic but also dust-proof and easy to clean. And there is no exposed screws. Presenting a beautiful outlook. At the basis of highly efficient heat dissipation solution, our design concept is "unibody", which lead the way in Bay lights. And it is able to be controlled by 0-10V, DALI, Zigbee dimming and microwave sensor option system. LED module: Nichia LEDs up to 140 lm/w. LM-80 performance approval >50,000 hours. The light performance is much better than traditional LED high bay, which saves 90% energy.

HI BAY / LOW BAY

Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Mouting by Bracket or Hanging. 安裝支架固定或者吊裝 Soporte de montaje fijo o elevación |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | <ul style="list-style-type: none"> • 100W • 120W • 150W • 200W |
| Input Voltage / 輸入電壓 Voltaje de entrada | 100-240VAC/50-60HZ |
| Control Protocol/控制協議/Protocolo de Control | • 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Power Factor / 功率因數/Factor de potencia | PF>0.92 |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD<18% |
| Protection Against Surgers/防護措施/PROTECCIÓN CONTRA LAS PROMOCIONES: | <ul style="list-style-type: none"> • 2 kV line-line • 4 kV line-earth |
| Light Source Brand-光源品牌-Fuente de luz de marca | NICHIA - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | <ol style="list-style-type: none"> 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >50,000 hours |
| Color Temperature and Color 色溫和顏色 Temperatura y color del color | <ul style="list-style-type: none"> • 3000K • 4000K • 5000K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle 光束角 ángulo de haz | A1 & A2 & A3 & A4 & A5 & A6 & A7 |
| luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 125 Lm/w(3000K) • 130 Lm/w(4000K) • 135 Lm/w(5000K) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 135 Lm/w(3000K) • 145 Lm/w(4000K) • 155 Lm/w(5000K) |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and Polycarbonate 壓鑄鋁和聚碳酸酯 Aluminio fundido a presión y policarbonato |
| Housing Color 外殼顏色 color de la carcasa | Matte White / Silvery Gray 啞光白色 / 銀灰色 Blanco mate / silvery gris |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK10 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Storage Temperature/儲藏溫度 Temperatura de almacenamiento | -40 °C / +70 °C |
| Operating Humidity -工作濕度Humedad de funcionamiento | 0~90%, non-condensing-不結霜sin condensación |
| Dimension/尺寸/Dimensión | ø489x200mm (ø19.25" x 7.87") |
| Net Weight 淨重 Peso Neto | 7.2±0.3kg(15.87±0.66Lbs) |
| Gross Weight 毛重 Peso Bruto | 9.3±0.3kg(20.4±0.66Lbs) |
| Packing box size 包裝箱尺寸 Tamaño de la caja de embalaje | 560x260x565mm(22.05" x10.24"x22.24") |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaries: IEC 60598-1;IEC 60598-2-1;IEC62471;RoHS LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; IEC/EN 61000-3-3;IEC/EN61574;EN 55015 LED Module: IEC/EN 62031;IEC/EN 60838-2;IEC/EN 62471;LM-80-08:TM-21 |
| Country of Design 設計國家 | United Kingdom 英國 |
| Country of Origin 產地 | PRC 中國 |
| Certification-認證-Certificación |         |



Angle Adjustable

- Scales on the fixture help to adjust the angle precisely
- Each scale is 10°



Buckle Design

- Easy to install and maintain
- LED driver install or remove easily
- Free-tool Maintenance



Double Protection

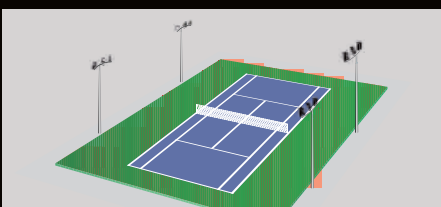
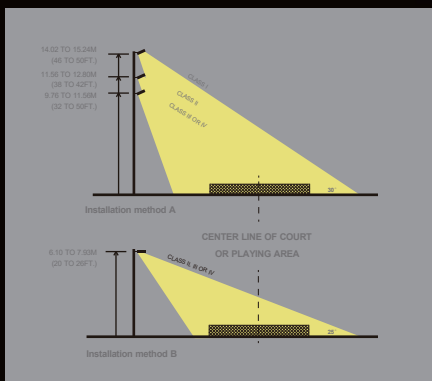
- PC Lens and Tempered Glass
- PC lens anti UV, chemicals, dust etc.
- Smooth tempered glass enables good self-clean



Vent

- Balance atmosphere pressure and prevent moisture

Streamlined Design



FLARE

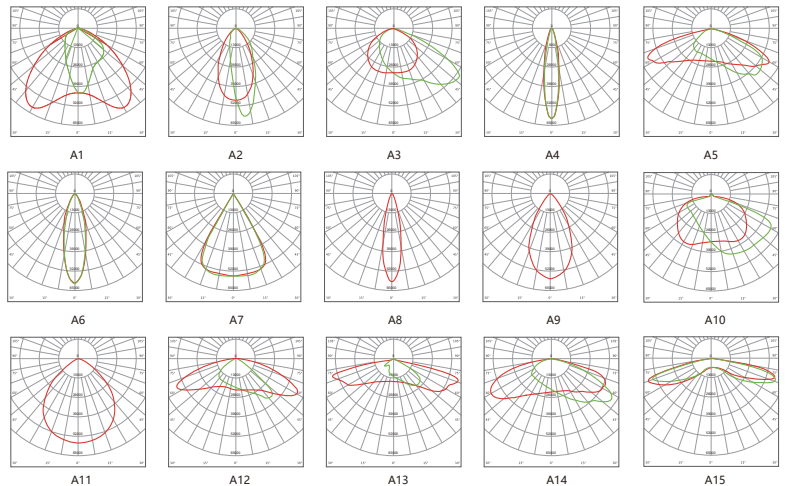
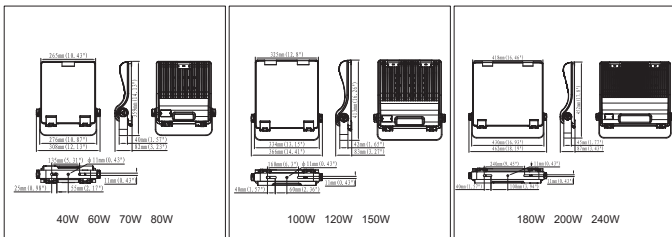
40W-240W IP66



CB



with rotatable angle scale.



LED Flood Light IP66. The fixture coated with electrophoresis and powder for excellent anti-corrosion performance. And the bracket surface adopts HDG (hot-dip galvanizing) technology which provide strong corrosion. It is durable with great performance. With SPD protection, it also goes through rigorous test which reaches excellent IP66 and IK08 rating. Die-cast aluminium. separate electric housing with super white tempered glass. Galvanized steel plate. Surface anti-ageing electrostatic spray processing, super resistance to corrosion. Many different optical lens and reflector to distribute Asymmetric & symmetric beam angle. Lye fitting joint design to adjustable installation angle.

ASYMMETRIC FLOOD LIGHT

Technical Data

| | |
|--|---|
| Luminaire Type-安裝方式-Tipo de luminaria | Surface Mounted and Adjustable Type 明裝可調安裝腳 Tipo montado en superficie y ajustable |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | <ul style="list-style-type: none"> • 40W 60W 70W 80W • 100W 120W 150W • 180W 200W 240W |
| Input Voltage / 輸入電壓/Voltaje de entrada | 100-240VAC/50-60HZ |
| Control 控制Control | <ul style="list-style-type: none"> • SW -ON/OFF • DMX Dali Control 0-10V Control Zigbee Wireless Control |
| Power Factor / 功率因數/Factor de potencia | PF>0.90 |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD<20% |
| Protection Against Surgers/防護措施/PROTECCIÓN CONTRA LAS PROMOCIONES: | <ul style="list-style-type: none"> • 6kV line-line 12kV line-earth |
| Light Source Brand-光源品牌-Fuente de luz de marca | Japan Nichia & U.S.A CREE Blue Light Risk Group of LED Flood Light : RG1 (Risk Group 1) |
| "Lumen Maintenance LM-80 Reported by TM-21" | <ul style="list-style-type: none"> • L70(10k) > 115,000hrs @240W • L70(10k) > 210,000hrs @180W • L70(10k) > 226,000hrs @120W & 100W • L70(10k) > 481,000hrs @60W & 40W L70(10k) > 193,000hrs @200W L70(10k) > 196,000hrs @150W L70(10k) > 217,000hrs @80W |
| LED Life-LED壽命-La vida del LED | >50,000 hours |
| Color Temperature色溫 Temperatura y color | 3000K 4000K 5000K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >70 or >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle光束角ángulo de haz | <ul style="list-style-type: none"> • Symmetric: A1 A4 A6 A7 A8 A9 A11 A15 • Asymmetric: A2 A3 A5 A10 A12 A13 A14 |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 125 Lm/w(3000K) @CRI >70 ; 120 Lm/w(3000K) @CRI >80 • 130 Lm/w(4000K) @CRI >70 ; 125 Lm/w(4000K) @CRI >80 • 135 Lm/w(5000K) @CRI >70 ; 130 Lm/w(5000K) @CRI >80 |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 143 Lm/w(3000K) @CRI >70 ; 134 Lm/w(3000K) @CRI >80 • 163 Lm/w(4000K) @CRI >70 ; 143 Lm/w(4000K) @CRI >80 • 171 Lm/w(5000K) @CRI >70 ; 153 Lm/w(5000K) @CRI >80 |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and Tempered glass 壓鑄鋁和鋼化玻璃 Die fundición de aluminio y vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | Polyester powders Coating--Matte Black 聚酯粉末塗料--啞光黑色 Polvos de poliéster Revestimiento--Matte Black |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +45 °C |
| Storage Temperature 儲藏溫度 Temperatura de almacenamiento | -40 °C / +70 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Dimension 尺寸 Dimensión | <ul style="list-style-type: none"> • 40W & 60W & 70W & 80W @ 359×308×82mm(14.13"×12.13"×3.23") • 100W & 120W & 150W @413×366×83mm(16.26"×14.41"×3.27") • 180W & 200W & 240W @462 × 452 × 87 mm(18.19"×17.8"×3.43") |
| Net Weight 淨重 Peso Neto | <ul style="list-style-type: none"> • 40W & 60W & 70W & 80W @ 4.3±0.3kg 9.48±0.66Lbs • 100W & 120W & 150W @ 6.3±0.3kg 13.89±0.66Lbs • 180W & 200W & 240W @ 8.4±0.3kg 18.52±0.66Lbs |
| Country of Design 設計國家 / País de diseño | United Kingdom 英國 |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaries: IEC / EN 60598-1; IEC/EN 60598-2-5; IEC TR62778 IEC62471 (RG1); IEC 62031; EN62493 RoHS LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; IEC/EN 61000-3-3; IEC/EN61574; EN 55015 |

Certification-認證-Certificación



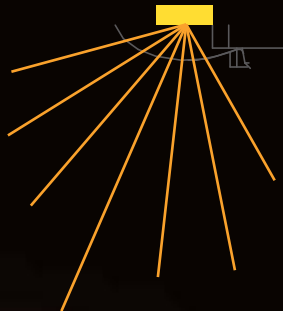
ASYMMETRIC FLOOD LIGHT

On Tennis Court Lighting Design

When lighting a tennis court, the objective is to ensure good visibility enabling both participants and spectators to follow the progress of a game. The ball, regardless of its location and speed, should always be clearly visible. Creating good visibility requires sufficient contrast to be created between objects and their background, good illumination levels and even distribution of light across the playing surface.

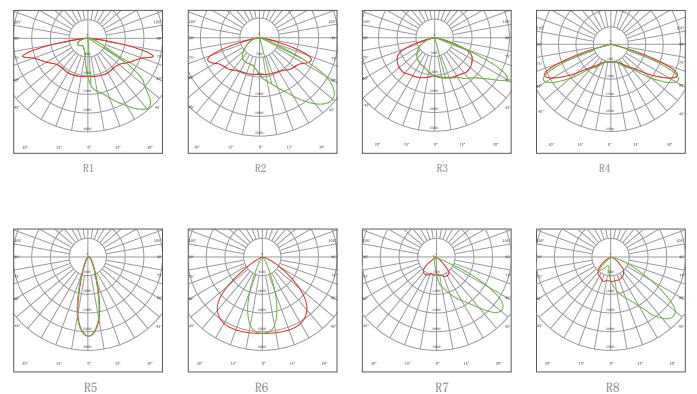
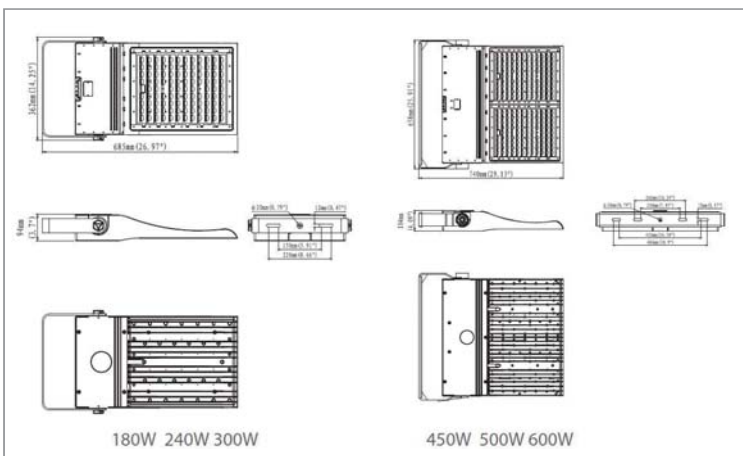
Backlight Control

Backlight control solution prevents light from being polluted in residential areas.








HAAE

180W-600W



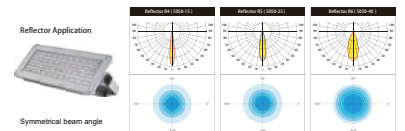
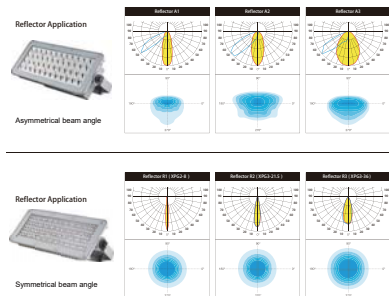
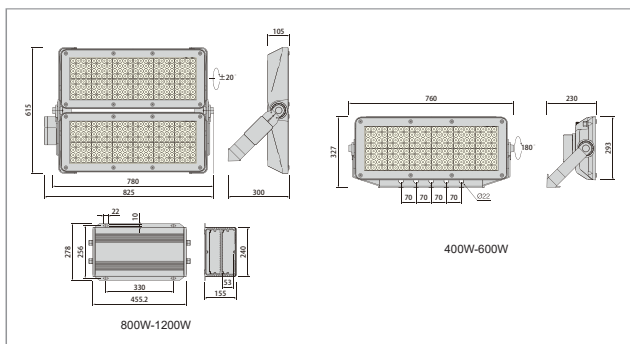
The HAAE LED AREA Lighting is finished by Die-cast aluminium with separated and integrated LED Driver Box , with surface anti-ageing electrostatic spray processing,super resistance to corrosion and rotated bracket, Gaskets in anti-aging rubber , tempered clear Glass and Heat Resisting Cable. It's as well a great alternative to urban furniture due to its IP66 protection rating and IK08 Impact protection, anti-corrosion and vibration test approved. Adopt modular light distribution Lens and super clear tempered glass. Button design for opening LED driver box for easy power circuit connection. And, It is able to be controlled by 0-10V,DALI,Zigbee dimming system. LED module: high-power Seoul CRI>80 up to 140lm/w . LM-80 performance approve >50,000 hours; Fixing: Top or side fitting for pole with adjustable bracket.

Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Arm Mounting / Pole Mounting / Bracket Mounting 臂安裝/杆安裝/支架安裝 Brazo de montaje / montaje / poste de montaje del soporte |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | • 180W 240W 300W • 450W 500W 600W |
| Input Voltage / 輸入電壓 Voltaje de entrada | 100-240 VAC / 100-277 VAC |
| Control 控制 Control | • SW -ON/OFF • NEMA photocell (3PIN) with SW- ON/OFF (Pre Setting Lux level : Light ON: 6 lux ON , Light OFF: 50lux) • NEMA photocell (5PIN) with 0-10V Dimming for auto adjustment in brightness • NEMA photocell (5PIN) with DALI Dimming Control for auto adjustment in brightness • Zigbee Wireless Control |
| Power Factor / 功率因數/Factor de potencia | PF>0.92 |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD<15% |
| Protection Against Surges/防護措施/PROTECCIÓN CONTRA LAS PROMOCIONES: | • 6kV line-line, • 12kV line-earth |
| Light Source Brand-光源品牌-Fuente de luz de marca | SEOUL |
| "Lumen Maintenance LM-80 Reported by TM-21" | • 1. L90(10k) = 50,700 hrs • 2. L80(10k) > 63,500 hrs • 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >50,000 hours |
| Color Temperature and Color 色溫和顏色 Temperatura y color del color | • 2700K • 3000K • 4000K • 5000K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >70 or >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching 3 SCDM 標準偏差配色 3 SCDM Coincidencia de color estándar Desviación |
| Beam Angle 光束角 ángulo de haz | • R1 R2 R3 R4 • R5 R6 R7 R8 |
| luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 125 Lm/w(2700K & 3000K) @CRI >70 ; 115 Lm/w(2700K & 3000K) @CRI >80 • 140 Lm/w(4000K) @CRI >70 ; 125 Lm/w(4000K) @CRI >80 • 145 Lm/w(5000K) @CRI >70 ; 135 Lm/w(5000K) @CRI >80 |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 145 Lm/w(2700K & 3000K) @CRI >70 ; 135 Lm/w(2700K & 3000K) @CRI >80 • 160 Lm/w(4000K) @CRI >70 ; 145 Lm/w(4000K) @CRI >80 • 165 Lm/w(5000K) @CRI >70 ; 155 Lm/w(5000K) @CRI >80 |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and Tempered glass 壓鑄鋁和鋼化玻璃 Die fundición de aluminio y vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | Polyester powders Coating(RAL 9006 Silver) or Bronze 聚酯粉末塗料 (RAL 9006 銀灰色) 或青銅色 Recubrimiento de polvos de poliéster (plata RAL 9006) o bronce |
| Ingress Protection-防護等級 Protección de ingreso | IP66 |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C / -22 °F / +122 °F |
| Storage Temperature 儲藏溫度 Temperatura de almacenamiento | -40 °C / +70 °C / -40 °F / +158 °F |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Dimension (LxWxH) 尺寸 Dimensión | • 180W & 240W & 300W @ 685 X 362 X 94 mm • 450W & 500W & 600W @ 740 x 658 x 104 mm |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaries: IEC 60598-1;IEC 60598-2-1;IEC62471;RoHS |
| Certification-認證-Certificación |      |

HAYE

400W- 1200W IP66

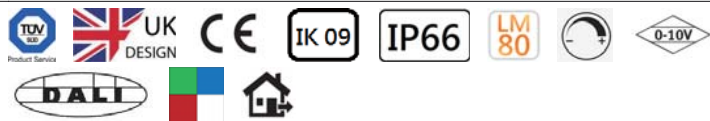


The HAYE Projector Light is finished by Die-cast aluminium with separated and integrated LED Driver Box , with surface anti-ageing electrostatic spray processing, special anti-corrosive and anti ultraviolet powder, Super resistance to corrosion and rotated bracket, and Heat Resisting Cable. Adopt modular light distribution Lens or Reflector and super white tempered glass.

Technical Data

| | |
|--|---|
| Luminaire Type 安裝方式 Tipo de luminaria | Surface Mounted and Adjustable Type 明裝可調安裝腳 Tipo montado en superficie y ajustable |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | • 400W 600W 800W 1000W 1200W (Refer to Technical Drawing) |
| Input Voltage / 輸入電壓 Voltaje de entrada | • 100-240VAC 50-60Hz • Inrush current: 30A • Inrush time: 3.52 ms @ 220Vac input, 25 μ s cold start, |
| Control 控制 Control | • SW -ON/OFF Dali Control 0-10V Control DMX512 Zigbee Wireless Control |
| Power Factor / 功率因數/Factor de potencia | • PF>0.95@230Vac |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | • THD<20% |
| Protection Against Surges/防護措施/PROTECCIÓN CONTRA LAS PROMOCIONES: | 20 KV |
| Light Source Brand-光源品牌-Fuente de luz de marca | Lumiled @ mono Color or CREE@RGBW |
| "Lumen Maintenance LM-80 Reported by TM-21" | L90(10k) = 50,700 hrs L80(10k) > 63,500 hrs L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >50,000 hours |
| Color Temperature and Color 色溫 and 顏色 Temperatura y color del color | • 2700K 3000K 4000K 5000K 6500K RGBW(3000K;4000K;5000K or 6500K) |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | • >80 @ Mono White |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle 光束角 ángulo de haz | • A1 & A2 & A3 & R1 & R2 & R3 & R4 & R5 & R6 @ Reflector • T2A & T3A & T4A & T3 & T4 & T5 & T6 & T9 @ Lens |
| Luminaire Efficacy 燈具效率 Flujo luminoso inicial (flujo del sistema) | • 120 lm/w(2700K & 3000K) 130 lm/w(4000K) • 135 lm/w(5000K & 6500K) 65 lm/w@ RGBW(3000K;4000K;5000K or 6500K) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 140 lm/w(2700K & 3000K) 150 lm/w(4000K) • 155 lm/w(5000K & 6500K) 85 lm/w@ RGBW(3000K;4000K;5000K or 6500K) |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and Tempered glass 壓鑄鋁和鋼化玻璃 Die fundición de aluminio y vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | Polyester powders Coating(RAL 9005 Silver or RAL 9022). 聚酯粉末塗料 (RAL 9005 銀灰色 or RAL 9022) Polvos de poliéster Revestimiento(RAL 9005 Plata or RAL 9022) |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK09 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C / -22 °F / +122 °F |
| Storage Temperature 儲藏溫度 Temperatura de almacenamiento | • -40 °C / +70 °C / -40 °F / +158 °F |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Dimension (LxWxH) 尺寸 Dimensión | • L:760 x W:327 x D: 230 mm @ 400W & 600W L:825 x W:615 x D: 300 mm@ 800W & 1000W & 1200W |
| Net Weight 淨重 Peso Neto | • 22.0kg@400W & 600W 32.0kg@ 800W & 1000W & 1200W |
| Packing box size 包裝箱尺寸 Tamaño de la caja de embalaje | • 780 x 415 x 220mm @ 400W & 600 • 840 x 810 x 165mm @ 800W & 1000W & 1200W |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaries: IEC 60598-1;IEC 60598-2-5;IEC62471;RoHS LED Driver: IEC61347-1; IEC61347-2-13; IEC 62384; IEC 61000-3-2; IEC 61000-3-3;IEC 61574;EN 55015 |

Certification-認證-Certificación



Tempered Glass And PC Lens Double Protection



Multiple Effective Protection

IP66, IK08 and 10KV surge protection.

Narrow Beam Angle

10° narrow beam angle far lighting distance.

Various Beam Angle

Multiple optics option, including 10°, 15°, 30°, 45°, 60°, 15*40°.

Compact Lightweight Construction

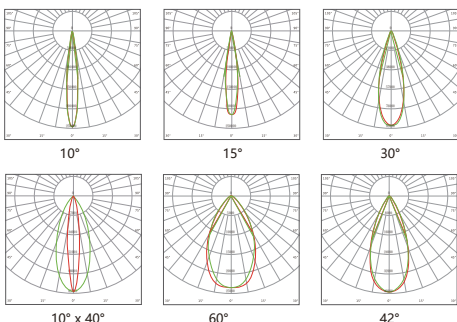
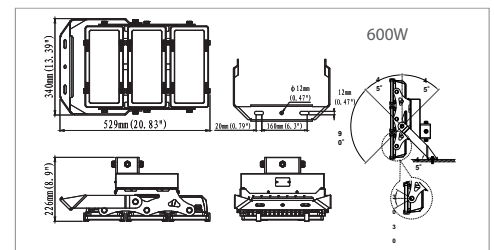
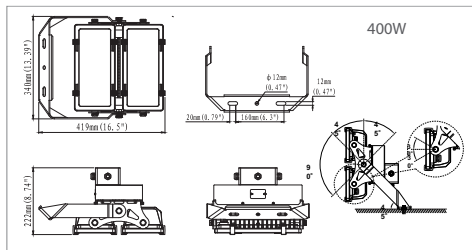
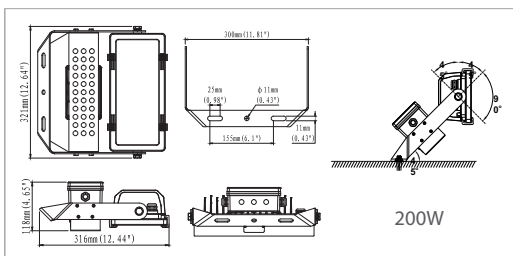
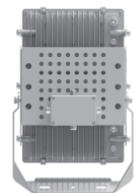
Only 4.1KG of 200W, only 15.3KG of 600W.
Support multiple fixtures are installed in large location.



FLOOD LIGHT

HADRY







200W- 600W IP66



LED Flood Light IP65. The fixture coated with electrophoresis and powder for excellent anti-corrosion performance. And the bracket surface adopts HDG (hot-dip galvanizing) technology which provide strong corrosion. It is durable with great performance. With SPD protection, it also goes through rigorous test which reaches excellent IP66 and IK08 rating. Die-cast aluminium. separate electric housing with super white tempered glass. Galvanized steel plate. Surface anti-ageing electrostatic spray processing, super resistance to corrosion. Provided with 10KV Build-in Surge Protection Devices. Efficiency up to 135lm/W, more energy saving

SYMMETRIC FLOOD LIGHT

Technical Data

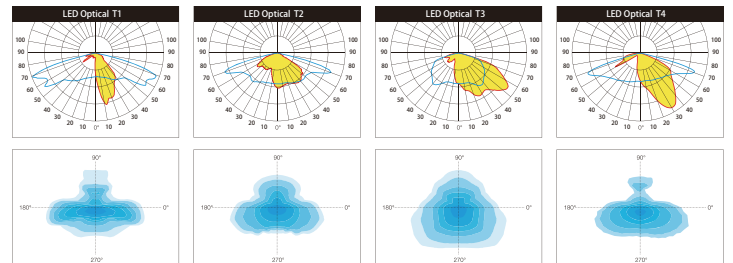
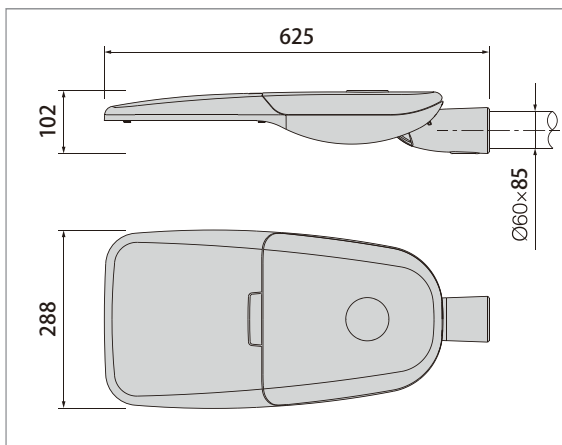
| | |
|--|--|
| Luminaire Type-安裝方式 Tipo de luminaria | Surface Mounted and Adjustable Type 明裝可調安裝腳 Tipo montado en superficie y ajustable |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | • 200W • 400W • 600W |
| Input Voltage / 輸入電壓 Voltaje de entrada | 100-240VAC/50-60HZ |
| Control 控制 Control | • SW -ON/OFF Dali Control 0-10V Control DMX512 Zigbee Wireless Control |
| Power Factor / 功率因數/Factor de potencia | PF>0.92 |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD<20 |
| Protection Against Surges/防護措施/PROTECCIÓN CONTRA LAS PROMOCIONES: | 6kV line-line, 10kV line-earth (Build-in Surge Protection Devices) |
| Light Source Brand-光源品牌-Fuente de luz de marca | Nichia- (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >50,000 hours |
| Color Temperature 色溫 Temperatura y color | • 3000K 4000K 5000K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >70 or >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle 光束角 ángulo de haz | 10° 15° 30° 42° 60° 10°*40° |
| Luminaire Efficacy燈具效率 La eficacia de la luminaria | • 125 Lm/w(3000K) @CRI >70 ; 120 Lm/w(3000K) @CRI >80 • 130 Lm/w(4000K) @CRI >70 ; 125 Lm/w(4000K) @CRI >80 • 135 Lm/w(5000K) @CRI >70 ; 130 Lm/w(5000K) @CRI >80 |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 143 Lm/w(3000K) @CRI >70 ; 134 Lm/w(3000K) @CRI >80 • 163 Lm/w(4000K) @CRI >70 ; 143 Lm/w(4000K) @CRI >80 • 171 Lm/w(5000K) @CRI >70 ; 153 Lm/w(5000K) @CRI >80 |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and Tempered glass 壓鑄鋁和鋼化玻璃 Die fundición de aluminio y vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | Polyester powders Coating--Matte Silver or Matte Black 聚酯粉末塗料--啞光黑色和啞光銀色 Recubrimiento de poliéster en polvo: plata mate o negro mate |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Mech impact protection機械衝擊保護 Protección contra impactos mecánicos | IK08 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Storage Temperature 儲藏溫度 Temperatura de almacenamiento | -40 °C / +70 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Accessory 配件 accesorio | Visor 遮陽板 Visera |
| Dimension尺寸 Dimensión | • 200W@ 321×316×118mm(12.64"×12.44"×4.65") 400W@ 419×340×222mm (16.5"×13.39"×8.74") • 600W@ 529×340×226mm(20.83"×13.39"×8.9") |
| Net Weight 淨重 Peso Neto | • 200W@ 4.1±0.3kg (9.04±0.66Lbs) 400W@9.4±0.3kg (20.72±0.66Lbs) • 600W@15.3±0.5kg (33.73±1.1Lbs) |
| Packing box size包裝箱尺寸 Tamaño de la caja de embalaje | 200W@ 360×160×375mm (14.17"×6.3"×14.76") 400W@478×270×390mm(18.82"×10.63"×15.35") 600W@ 598×280×400mm(23.54"×11.02"×15.75") |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaries: IEC 60598-1;IEC 60598-2-1;IEC62471;RoHS LED Driver: IEC 61347-1;IEC 61347-2-13; IEC 62384; IEC61000-3-2; IEC61000-3-3;IEC 61574;EN 55015 |
| Certification-認證-Certificación |       |

LED STREET LIGHT



SLE-S

40W-100W IP66











The SLE Street Light is finished by Die-cast aluminium with separated and integrated LED Driver Box , with surface anti-ageing electrostatic spray processing,super resistance to corrosion and rotated bracket, Gaskets in anti-ageing rubber , 5 mm toughened glass and Heat Resisting Cable. It's as well a great alternative to urban furniture due to its IP66 protection rating and IK 08 Impact protection. Adopt modular light distribution Lens and super clear tempered glass. Button design for opening LED driver box for easy power circuit connection. And, It is able to be controlled by ELV, 0-10V,DALI,Zigbee dimming system. LED module: high-power CREE CRI>70 up to 140 Lm/w . LM-80 performance approval >50,000 hours; Fixing: Top or side fitting for Dia 60mm pole with adjustable bracket. Installation Height: 5m-8m.

SLE-S

40W-100W IP66

Technical Data

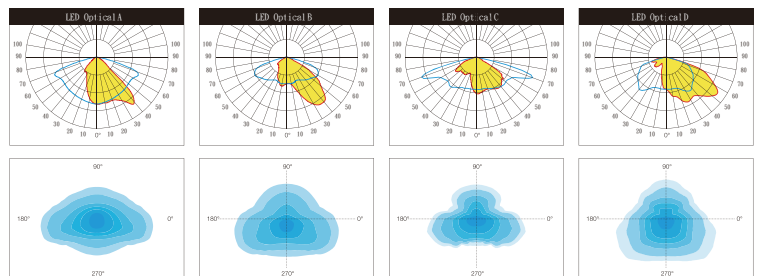
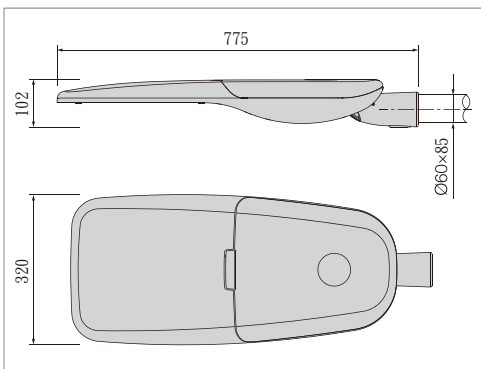
| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Dia 60mm Pole Mounted . Top Mounted or Side Mounted 適合直徑60mm燈杆安裝頂部安裝或側面安裝 Dia 60mm montado en polos. Montaje en la parte superior o lateral |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | <ul style="list-style-type: none"> • 40W @ 24 pcs LED CREE • 60W @ 24 pcs LED CREE • 77W @ 32 pcs LED CREE • 100W @ 48 pcs LED CREE |
| Input Voltage / 輸入電壓 Voltaje de entrada | 100 ~ 305VAC(47~63HZ) 142 ~ 431VDC |
| Control Protocol/控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Power Factor / 功率因數/Factor de potencia | PF>0.97/115VAC, PF>0.95/230VAC, PF>0.92/277VAC |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD <15% |
| Protection Against Surgers/防護措施/PROTECCIÓN CONTRA LAS PROMOCIONES: | 10KV |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| LED Life-LED壽命-La vida del LED | L70 (70% Luminous flux) > 60,000 hrs at 35°C |
| Color Temperature and Color 色溫和顏色 Temperatura y color del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • >70 • >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle 光束角 ángulo de haz | <ul style="list-style-type: none"> • Asymmetric Optical Type :T1 • Asymmetric Optical Type :T2 • Asymmetric Optical Type :T3 • Asymmetric Optical Type :T4 |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 110 Lm/w(2700K) @CRI >70 ; 100 Lm/w(2700K) @CRI >80 • 120 Lm/w(3000K) @CRI >70 ; 100 Lm/w(3000K) @CRI >80 • 140 Lm/w(4000K) @CRI >70 ; 120 Lm/w(4000K) @CRI >80 • 150 Lm/w(5000K) @CRI >70 ; 130 Lm/w(5000K) @CRI >80 • 150 Lm/w(6500K) @CRI >70 ; 130 Lm/w(6500K) @CRI >80 |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 134 Lm/w(2700K) @CRI >70 ; 134 Lm/w(2700K) @CRI >80 • 143 Lm/w(3000K) @CRI >70 ; 134 Lm/w(3000K) @CRI >80 • 163 Lm/w(4000K) @CRI >70 ; 143 Lm/w(4000K) @CRI >80 • 171 Lm/w(5000K) @CRI >70 ; 153 Lm/w(5000K) @CRI >80 • 171 Lm/w(6500K) @CRI >70 ; 153 Lm/w(6500K) @CRI >80 |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and 5mm Toughened Glass 壓鑄鋁和5mm鋼化玻璃 Aluminio fundido a presión y 5 mm de vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | Polyester Powders Coating (RAL 9006 Silver). 聚酯粉末塗料(RAL 9006 銀灰色) Polvos de poliéster Revestimiento (RAL 9006 Plata). |
| Ingress Protection-防護等級 Protección de ingreso | IP66 |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Installation Height 安裝高度 Altura de montaje | • 5M - 8M |
| Dimension 尺寸 Dimensión | L: 625 x W:288 x H: 102 mm |
| Net Weight /Gross Weight 淨重/毛重 Peso Neto / Peso bruto | <ul style="list-style-type: none"> • 6.5kg / 7.5k @ 40W&60W • 6.6kg / 7.6k @ 77W&100W |
| Packing box size 包裝箱尺寸 Tamaño de la caja de embalaje | 695x315x155 mm Remark(885pcs / 20"container or 1845 pcs / 40"container) |
| Country of Origin 產地 | PRC 中國 |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | IEC/EN 60598-1;IEC/EN 60598-2-3;EN 62493 EN 61547 ;EN 61000-3-2; EN 61000-3-3;EN 55015 |
| Certification-認證-Certificación |         |



SLE-M



100W-180W



The SLE Street Light is finished by Die-cast aluminium with separated and integrated LED Driver Box , with surface anti-ageing electrostatic spray processing,super resistance to corrosion and rotated bracket, Gaskets in anti-ageing rubber , 5 mm tempered clear Glass and Heat Resisting Cable. It's as well a great alternative to urban furniture due to its IP66 protection rating and IK10 Impact protection. Adopt modular light distribution Lens and super clear tempered glass. Button design for opening LED driver box for easy power circuit connection. And, It is able to be controlled by ELV, 0-10V,DALI,Zigbee dimming system. LED module: high-power CREE CRI>70 up to 140lm/w . LM-80 performance approve >50,000 hours; Fixing: Top or side fitting for Dia 60mm pole with adjustable bracket.

SLE-M

100W-180W

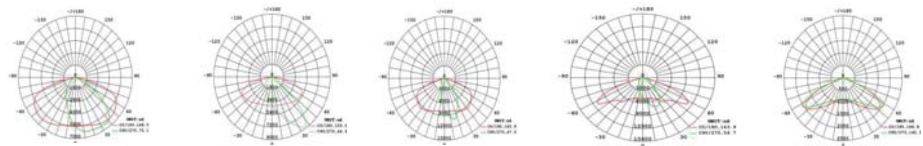
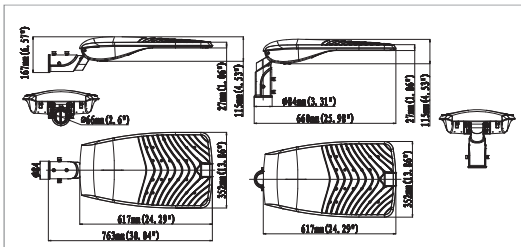
Technical Data

| | |
|--|---|
| Luminaire Type- 安裝方式 Tipo de luminaria | Dia 60mm Pole Mounted . Top Mounted or Side Mounted 適合直徑60mm燈杆安裝頂部安裝或側面安裝 Dia 60mm montado en polos. Montaje en la parte superior o lateral |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | 100W @ 48 pcs LED CREE 120W @ 48 pcs LED CREE 150W @ 64 pcs LED CREE 180W @ 64 pcs LED CREE |
| Input Voltage / 輸入電壓 Voltaje de entrada | 100 ~ 305VAC(47~63HZ) 142 ~ 431VDC |
| Control Protocol/控制協議 Protocolo de Control | 1-10V / Dali/ DMX 512 / RDM/Zigbee (wireless) |
| Power Factor / 功率因數/Factor de potencia | PF>0.97/115VAC, PF>0.95/230VAC, PF>0.92/277VAC |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD <15% |
| Protection Against Surges/防護措施/PROTECCIÓN CONTRA LAS PROMOCIONES: | Line-Earth:6KV Line-Line:4KV |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE (Risk group 1 (low risk) from this according to EN 62471-photo biological safety) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature and Color 色溫和顏色 Temperatura y color del color | 2700K / 3000K / 4000K/ 5000K/ 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >70 or >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching 3 SCDM 標準偏差配色 3 SCDM Coincidencia de color estándar Desviación |
| Beam Angle 光束角 ángulo de haz | • Asymmetric Optical Type :A 150° × 75° • Asymmetric Optical Type :B 155° × 70° • Asymmetric Optical Type :C 155° × 120° • Asymmetric Optical Type :D 155° × 150° |
| luminaire Efficacy 燈具效率 La eficacia de la luminaria | 110 lm/w(2700K) @CRI >70 ; 100m/w(2700K) @CRI >80 120 lm/w(3000K) @CRI >70 ; 100m/w(3000K) @CRI >80 140 lm/w(4000K) @CRI >70 ; 120m/w(4000K) @CRI >80 150 lm/w(5000K) @CRI >70 ; 130m/w(5000K) @CRI >80 150 lm/w(6500K) @CRI >70 ; 130m/w(6500K) @CRI >80 |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 134 m/w(2700K) @CRI >70 ; 134m/w(2700K) @CRI >80 143 lm/w(3000K) @CRI >70 ; 134m/w(2700K) @CRI >80 163 lm/w(4000K) @CRI >70 ; 143m/w(2700K) @CRI >80 171 lm/w(5000K) @CRI >70 ; 153m/w(2700K) @CRI >80 171 lm/w(6500K) @CRI >70 ; 153m/w(2700K) @CRI >80 |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and 5mm Tempered glass 壓鑄鋁和5mm鋼化玻璃 Aluminio fundido a presión y 5 mm de vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | Polyester powders Coating (RAL 9006 Silver). 聚酯粉末塗料(RAL 9006 銀灰色) Polvos de poliéster Revestimiento (RAL 9006 Plata). |
| Ingress Protection-防護等級 Protección de ingreso | IP66 |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +60 °C / -4 °F / +124 °F |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Installation Height 安裝高度/Altura de montaje | 8-10M @ 100W& 120W 10-12M @ 150W& 180W |
| Dimension 尺寸 Dimensión | L: 775 x W:320 x H: 102mm |
| Net Weight /Gross Weight 淨重/毛重 pPeso Neto / Peso bruto | 9.4kg / 10.5k @ 100W & 120W 9.5kg / 10.6k @ 150W & 180W |
| Packing box size 包裝箱尺寸 Tamaño de la caja de embalaje | 850x375x155mm Remark(600pcs / 20" container or 1260 pcs / 40" container) |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaries: IEC 60598-1;IEC 60598-2-1;IEC62471;RoHS LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; IEC/EN 61000-3-3;IEC/EN61574;EN 55015 LED Module: IEC/EN 62031;IEC/EN 60838-2;IEC/EN 62471;LM-80-08-TM-21 |
| Certification-認證-Certificación | |



STEA


30W-200W IP66



Asymmetric: A1 Asymmetric: A2 Asymmetric: A3 Asymmetric: A4 Symmetric: S1

LED STREET LIGHTING is finished by Die-cast aluminium with separated and integrated LED Driver Box, with surface anti-ageing electrostatic spray processing,super resistance to corrosion and rotated bracket, Gaskets in anti-aging rubber , tempered clear Glass and Heat Resisting Cable. It's as well a great alternative to urban furniture due to its IP protection rating and IK08 Impact protection, anti-corrosion and vibration test approved,durable and state-of-the-art fixture.Designed for roadway and parking lot area,replace traditional street and area light with quick payback and superior performance. Adopt modular light distribution Lens and super clear tempered glass. Button design for opening LED driver box for easy power circuit connection. And, It is able to be controlled by 1-10V,DALI,Zigbee dimming system. LED module: high-power NICHIA LED, CRI>80 up to 130lm/w. TM21 L70 performance approve >60,000 hours; Fixing: Top or side fitting for pole with adjustable bracket.

Technical Data

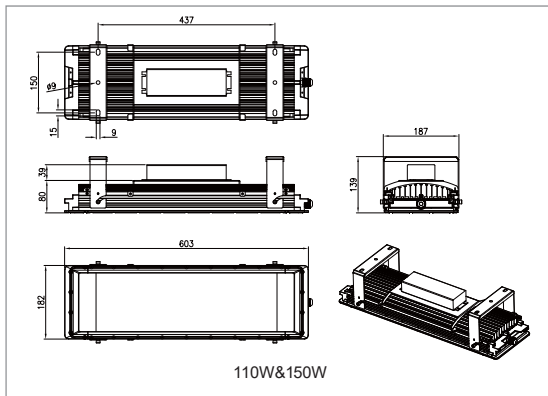
| | |
|---|---|
| Luminaire Type-安裝方式 Tipo de luminaria | Arm Mounting / Pole Mounting / Bracket Mounting-臂安裝/杆安裝/支架安裝 Brazo de montaje / montaje / poste de montaje del soporte |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | <ul style="list-style-type: none"> • 30W 38W 40W 50W 70W • 75W 80W 90W 110W 120W • 140W 150W 180W 200W |
| Input Voltage / 輸入電壓 Voltaje de entrada | 100-240 VAC / 100-277VAC 50-60Hz, |
| Control 控制 Control | <ul style="list-style-type: none"> • SW -ON/OFF • 1-10V / DALI • 5-Step Time (programmable LED driver dimming rate in 5 time zone) • NEMA photocell (3PIN) with SW- ON/OFF (Pre Setting Lux level : Light ON: 6 lux ON , Light OFF: 50lux) • NEMA photocell (5PIN) with 0-10V Dimming for auto adjustment in brightness • NEMA photocell (5PIN) with Dali Dimming Control for auto adjustment in brightness • Zigbee Wireless Control |
| Power Factor / 功率因數/Factor de potencia | PF>0.90 |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD<15% |
| Protection Against Surges/防護措施/ PROTECCIÓN CONTRA LAS PROMOCIONES: | <ul style="list-style-type: none"> • 6kV line-line, • 10kV line-earth |
| Light Source Brand-光源品牌-Fuente de luz de marca | NICHIA JAPAN |
| Photobiological safety-IEC 62471 / of Luminaire 光生物安全檢驗(IEC/EN 62471) 結果: Seguridad fotobiológica-IEC 62471 | <ul style="list-style-type: none"> • RG1 -Risk Group 1 • 1 類危險 (低危) • RG1 - Grupo de riesgo 1 |
| "Lumen Maintenance LM-80 Reported by ISTM & TM-21" | <ul style="list-style-type: none"> • L70 > 215,000hrs @70W &50W&40W&38W&30W L70 > 212,000hrs @90W&80W&75W • L70 > 202,000hrs @120W &110W L70 > 189,000hrs @150W & 140W L70 > 164,000hrs @180W&200W |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature-色溫 Temperatura y color | • 3000K 4000K 5000K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >70 or >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle-光束角-ángulo de haz | <ul style="list-style-type: none"> • A1 @ Asymmetric @ 75°x150° A2 @ Asymmetric @ 45°x155° A3 @ Asymmetric @ 45°x145° • A4 @ Asymmetric @ 55°x145° S1 @ Symmetric @ 145°x145° |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 120 Lm/w(3000K) @CRI >70 ; 130 Lm/w(4000K) @CRI >70 140 Lm/w(5000K) @CRI >70 • 110 Lm/w(3000K) @CRI >80 ; 120 Lm/w(4000K) @CRI >80 130 Lm/w(5000K) @CRI >80 |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 143 Lm/w(3000K) @CRI >70 ; 163 Lm/w(4000K) @CRI >70; 171 Lm/w(5000K) @CRI >70 ; • 134 Lm/w(3000K) @CRI >80; 143 Lm/w(4000K) @CRI >80 ; 153 Lm/w(5000K) @CRI >80 |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and Tempered glass --壓鑄鋁和鋼化玻璃--Die fundición de aluminio y vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | Polyester powders Coating(RAL 9006 Silver). 聚酯粉末塗料 (RAL 9006 銀灰色) Polvos de poliéster Revestimiento(RAL 9006 Plata). |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 (EN 62262: 2002) |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C / -22 °F / +122 °F |
| Storage Temperature 儲藏溫度 Temperatura de almacenamiento | -40 °C / +70 °C / -40 °F / +158 °F |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Dimension (LxWxH)/尺寸/ Dimensión | 763x352x167mm (30"x13.86"x6.58") |
| Net Weight /淨重/Peso Neto | • 8.5±0.3kg @ 30W / 8.8±0.3kg @ 50W&70W / 9.0±0.3kg @ 90W / 9.2±0.3kg @ 120W&150W&180W&200W |
| Gross Weight/ 毛重 / Peso bruto | • 10.2±0.3kg @ 30W / 10.5±0.3kg @ 50W&70W / 10.7±0.3kg @ 90W / 10.9±0.3kg @ 120W&150W&180W&200W |
| Packing box size/包裝箱尺寸 Tamaño de la caja de embalaje | 790x390x150mm(31.1"x15.35"x5.91") |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | <ul style="list-style-type: none"> • LED Luminaries: LVD: IEC/EN 60598-1;EN / IEC/EN 60598-2-3;IEC62471;IEC/EN 62031; IEC/EN 62493 ;RoHS • LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; • IEC/EN 61000-3-3;IEC/EN61574;EN 55015 ; IEC /EN 62384 |
| Certification-認證-Certificación |  |

TUNNEL LIGHT

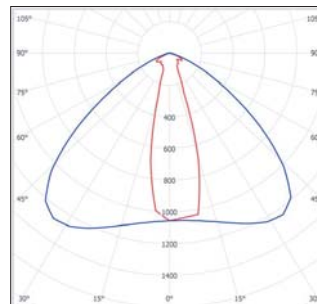


TUCKE

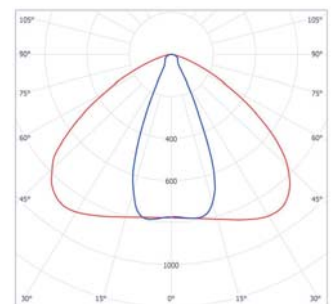
200W Max IP65



Asymmetric Optical Type :30°x 110°










Asymmetric Optical Type :40° x 110°



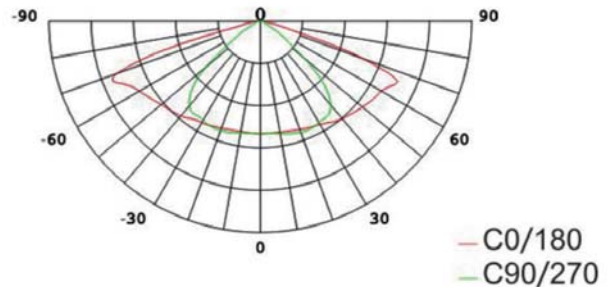
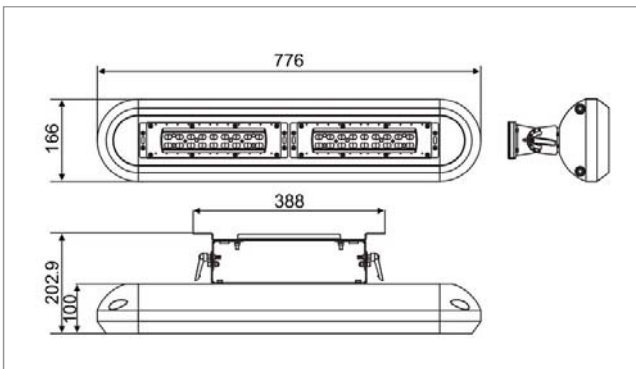
LED Tunnel Light is finished by die-cast aluminium with separated and integrated LED driver box , with mechanical and chemical anti-corrosion treatment, uv resistant exterior paint system, flat tempered glass cover, double chromed steel plate after painting. It's as well a great alternative to urban furniture due to its IP65 protection rating and IK07 Impact protection. And It is able to be controlled by ELV, 0-10V,DALI,Zigbee dimming system. LED module: high-power CREE. LM-80 performance approval >50,000 hours.

Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Bracket Mounting 支架安裝 Poste de montaje del soporte |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | <ul style="list-style-type: none"> • 110W @ L:603 mm • 150W @ L:603 mm • 200W @ L:745 mm |
| Input Voltage / 輸入電壓 Voltaje de entrada | 220-240VAC / 50-60Hz |
| Control Protocol/控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Power Factor / 功率因數/Factor de potencia | PF>0.95 |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD<18% |
| Light Source Brand-光源品牌-Fuente de luz de marca | OSRAM - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| LED Life-LED壽命-La vida del LED | L70 (70% Luminous flux) > 60,000 hrs at 35°C |
| Color Temperature and Color 色溫 and 顏色 Temperatura y color del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • >70 • >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle 光束角 ángulo de haz | <ul style="list-style-type: none"> • Asymmetric Optical Type :30° x 110° • Asymmetric Optical Type :40° x 110° |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 95 Lm/w(2700K), • 95 Lm/w(3000K), • 100 Lm/w(4000K), • 105 Lm/w(5000K), • 105 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 110 Lm/w(2700K), • 110 Lm/w(3000K), • 115 Lm/w(4000K), • 130 Lm/w(5000K), • 130 Lm/w(6500K), |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and Tempered Glass 壓鑄鋁和鋼化玻璃 Aluminio fundido a presión y Vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | <ul style="list-style-type: none"> • UV resistant Powder Coating :Matte Black RAL 9005 / Matte White RAL 9003 / Matte Gray RAL 9006 • 抗紫外線粉末塗料：啞光黑色燈身 RAL 9005 / 啞光白色燈身 RAL9003 / 啞光灰色燈身 RAL 9006 • Resistente a los rayos UV Recubrimiento en Polvo: Matte Black RAL 9005 / Matte Blanco RAL 9003 / Gris Mate RAL 9006 |
| Ingress Protection-防護等級 Protección de ingreso | IP65 (EN60529) |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK07 |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Dimension 尺寸 Dimensión | <ul style="list-style-type: none"> • L: 603 x W:182 x H: 139 mm (With mounting bracket) • L: 745 x W:182 x H: 119 mm |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | IEC/EN 60598-1;IEC/EN 60598-2-3;EN 62493 EN 61547 ;EN 61000-3-2; EN 61000-3-3;EN 55015 |
| Certification-認證-Certificación |        |

TUWA







80W-120W IP66



LED ASYMMETRIC TUNNEL LIGHT with IP65 protection and adjustable bracket. Made of die-casting aluminum housing. With series of lamps with simple modern design, meaning satisfactory and beauty. Effective anti-dust self-cleaning with streamlined integrated surface. The surface of the lamp shell is coated with static powder coating, corrosion resistance, aging resistance. LED tunnel lighting design for the purpose of modern simple appearance, simple and reasonable structure and easy maintenance, reasonable light distribution design, user-friendly installation and maintenance structure, modular product portfolio planning for urban tunnels and highway tunnels and other types of tunnel needs.

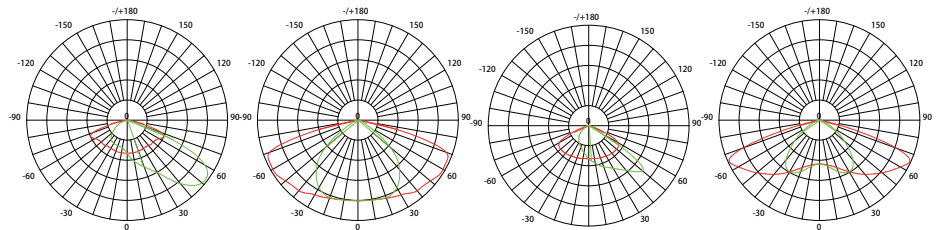
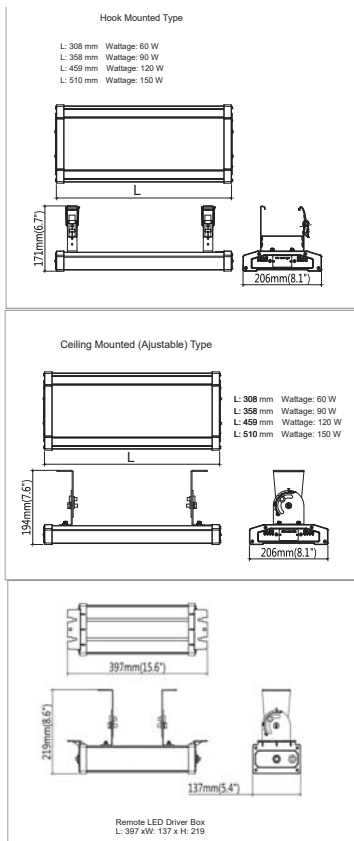
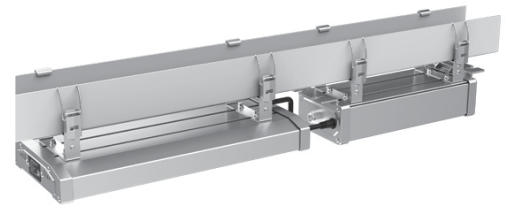
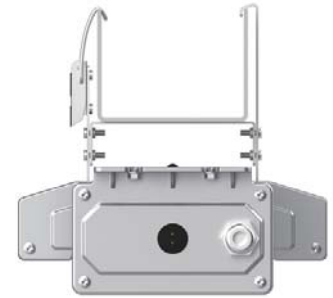
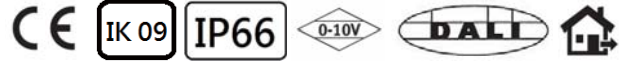
TUNNEL LIGHT

Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Bracket Mounting 支架安裝 Poste de montaje del soporte |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | • 80 W • 100 W • 120 W |
| Input Voltage / 輸入電壓 Voltaje de entrada | AC200-240V 50/60Hz |
| Control Protocol/控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Power Factor / 功率因數/Factor de potencia | PF>0.90 |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD<18% |
| Protection Against Surges/防護措施/PROTECCIÓN CONTRA LAS PROMOCIONES: | Line-Earth:6KV Line-Line:4KV |
| QTY of LEDs-燈珠數量-CANT de LEDs | 36pcs LEDs |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature and Color 色溫 and 顏色 Temperatura y color del color | • 3000K • 4000K • 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >70 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle 光束角 ángulo de haz | 70° x 140° @ Asymmetric |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 85 Lm/w(3000K) • 95 Lm/w(4000K) • 105 Lm/w(6500K) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 110 Lm/w(3000K) • 120 Lm/w(4000K) • 130 Lm/w(6500K) |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium 壓鑄鋁 Die fundición de aluminio |
| Housing Color 外殼顏色 color de la carcasa | Polyester powders Coating(RAL 9006 Silver) /Matte Black 聚酯粉末塗料 (RAL 9006 銀灰色) / 黑色 Polvos de poliéster Revestimiento(RAL 9006 Plata)/Negro mate |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -35 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Dimension (LxWxH) 尺寸 Dimensión | L: 776 x W: 166 x H: 203 mm |
| Net Weight /Gross Weight 淨重/毛重 Peso Neto / Peso Bruto | 5.8 kg / 7.0 kg |
| Country of Origin 產地 | PRC 中國 |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaires: IEC 60598-1 / IEC 60598-2-3/ Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 /IEC 61347-1 /IEC 61347-2-13 6/IEC 61547 |
| Certification-認證-Certificación |       |

TENAYA

150W Max IP66



A1







A2

A3

A4

LED Tunnel Light is finished by die-cast aluminium with separated and integrated LED driver box , with mechanical and chemical anti-corrosion treatment, UV resistant exterior paint system, flat tempered glass cover. And it is able to be controlled by 1-10V, DALI, dimming system. LED module: NICHIA LED, CRI>80 up to 130 lm/w. TM21 L70 performance approval >60,000 hours; Fixing: hoop mounted or ceiling mounted with adjustable bracket.

Technical Data

| | |
|---|--|
| Luminaire Type-安裝方式 Tipo de luminaria | Hoop mounted or Ceiling mounted with adjustable bracket 掛箍安裝或吸頂安裝 Montado en aro o montado en el techo con soporte ajustable |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | • 60W @ L308mm 90W@L358mm 120W@L459mm 150W@L510mm |
| Input Voltage / 輸入電壓 Voltaje de entrada | 220-240 VAC 50-60Hz, |
| Control 控制 Control | • SW -ON/OFF 1-10V DALI |
| Power Factor / 功率因數/Factor de potencia | PF>0.90 |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD<18% |
| Protection Against Surges/防護措施/ PROTECCIÓN CONTRA LAS PROMOCIONES: | • 6kV line-line • 10kV line-earth |
| Light Source Brand-光源品牌-Fuente de luz de marca | NICHIA JAPAN |
| Photobiological safety-IEC 62471 / of Luminaire 光生物安全檢驗(IEC/EN 62471) 結果: Seguridad fotobiológica-IEC 62471 | RG1 -Risk Group 1 1 類危險 (低危) RG1 - Grupo de riesgo 1 |
| "Lumen Maintenance LM-80 Reported by ISTM &TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature-色溫 Temperatura y color | • 3000K 4000K 5000K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | • >70 or >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle-光束角-ángulo de haz | • A1 @ Asymmetric @ 45°x150° A2 @ Asymmetric @ 100°x150° A3 @ Asymmetric @ 50°x135° A4 @ Asymmetric @ 110°x150° |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 130 Lm/w(3000K) @CRI >70 ; 140 Lm/w(4000K) @CRI >70 150 Lm/w(5000K) @CRI >70 • 120 Lm/w(3000K) @CRI >80 ; 130 Lm/w(4000K) @CRI >80 140 Lm/w(5000K) @CRI >80 |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 153 Lm/w(3000K) @CRI >70 ; 163 Lm/w(4000K) @CRI >70 ; 173 Lm/w(5000K) @CRI >70 ; • 143 Lm/w(3000K) @CRI >80 ; 153 Lm/w(4000K) @CRI >80 ; 163 Lm/w(5000K) @CRI >80 |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and Tempered glass --壓鑄鋁和鋼化玻璃--Die fundición de aluminio y vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | Polyester powders Coating(RAL 9006 Silver). 聚酯粉末塗料 (RAL 9006 銀灰色) Polvos de poliéster Revestimiento(RAL 9006 Plata). |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK09 (EN 62262: 2002) |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C / -22 °F / +122 °F |
| Storage Temperature 儲藏溫度 Temperatura de almacenamiento | -40 °C / +70 °C / -40 °F / +158 °F |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Dimension (LxWxH)/尺寸/Dimensión | • Hoop Mounted: L: 308 x W∅206 x H: 171 mm L: 358 x W∅206 x H: 171 mm • L: 459 x W∅206 x H: 171 mm L: 510 x W∅206 x H: 171 mm • Ceiling Mounted: L: 308 x W∅206 x H: 194 mm L: 358 x W∅206 x H: 194 mm • L: 459 x W∅206 x H: 194 mm L: 510 x W∅206 x H: 194 mm |
| Net Weight /淨重/Peso Neto | • 1.6±0.3kg @ 60W 1.9±0.3kg @ 90W 2.5±0.3kg @ 120W 3.0±0.3kg @ 150W (lamp body) • 1.9±0.3kg (Power supply box) |
| Gross Weight/ 毛重 / Peso bruto | • 2.1±0.3kg @ 60W 2.4±0.3kg @ 90W 3.0±0.3kg @ 120W 3.5±0.3kg @ 150W (lamp body) • 2.4±0.3kg (Power supply box) |
| Packing box size/包裝箱尺寸 Tamaño de la caja de embalaje | 411 x 255 x 130mm @ 60W 461 x 255 x 130mm @ 90W 562 x 255 x 130mm @ 120W 612 x 255 x 130mm @ 150W |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaries: LVD: IEC/EN 60598-1;EN / IEC/EN 60598-2-3;IEC62471;IEC/EN 62031; IEC/EN 62493 ;RoHS LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; IEC/EN 61000-3-3;IEC/EN61574;EN 55015 ; IEC /EN 62384 |
| Certification-認證-Certificación |       |

EMERGENCY SYSTEM



ENTE

L343xW118xH210mm 4W & 8W IP65



A1



A2








A3



A4

ENTE LED exit sign can provide automatic self-testing function to achieve the periodical test automatically. The objective for this series is to reduce the labor cost to push the test button manually to check the health of the exit sign. A programmable auto-test control unit comprises of a time counting IC. A fault indicator will light on in case of failure of testing and will be removed by next successful auto-testing. Polycarbonate for complete body and under BS EN 60598-2-22 (850°C hot wire test) testing

Technical Data

| | |
|---|---|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | W:118 x L:343 x H:210 mm |
| Input Voltage-輸入電壓-Voltaje de entrada | AC200-240V 50/60Hz |
| System Mode 應急系統模式 Modo de sistema | <ul style="list-style-type: none"> • Maintained Type 長時式 Tipo mantenido • Non-Maintained Type 非長時式 Tipo no mantenido |
| Automatic Self-Testing Function 自動自檢功能 Función automática de autoprueba | <ul style="list-style-type: none"> • System timer will start to count once the mains power on. • 一旦主電源接通，系統計時器將開始計數 • El temporizador del sistema comenzará a contar una vez que se encienda la alimentación. • Self-Testing will work automatically every weeks for devices checking • 自檢將每周自動運行以進行設備檢查 • La autoprueba funcionará automáticamente cada semana para la verificación de dispositivos. • Self-Testing will work automatically every Year for Battery Duration Testing • 自檢每年都會自動進行電池持續時間測試 • La autoprueba funcionará automáticamente cada año para la prueba de duración de la batería • GREEN LED indicator will be flashing during self-testing • 在自檢期間，綠色LED指示燈將閃爍 • El indicador LED VERDE parpadeará durante la autoprueba |
| Power Consumption Max-燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 4W • 8W |
| Charge Time 充電時間 Tiempo de carga | <24 Hours |
| Emergency Output 緊急輸出 Salida de emergencia | > 50% |
| Discharge Duration 放電時間 Duración de la descarga | >3 Hours |
| Light Source Brand-光源品牌-Fuente de luz de marca | DIMON SMD |
| Lumen Output 光通量 Salida de luz | <ul style="list-style-type: none"> • 4W @ 200lm • 8W @ 300lm |
| Emergency Lumen Output 應急時光通量 Salida de luz de emergencia | <ul style="list-style-type: none"> • 4W >100lm • 8W >150lm |
| LED Life-LED壽命-La vida del LED | > 50000 hours |
| Color Temperature -色溫 Temperatura del color | 6500K |
| Battery Type 電池類型 Tipo de batería | <ul style="list-style-type: none"> • 4W @3.6V 1800mAH Ni-Cd • 8W @4.8V 1800mAH Ni-Cd |
| LED indicator Function LED指示燈功能 Indicador LED de función | <ul style="list-style-type: none"> • Charging or Full: GREEN LED Light Light up • 充電或充滿：綠色LED燈亮起 • Cargando o Completo: Luz LED VERDE Iluminada • Fault : Flashing RED LED Light • 故障：紅色LED燈閃爍 • Avería: luz LED roja parpadeante • Test in Progress: Flashing Green LED • 正在進行測試：閃爍綠色LED • Prueba en curso: LED verde parpadeante |
| Housing materials-外殼材料 Materiales de la carcasa | Polycarbonate 聚碳酸酯 Policarbonato -BS EN 60598-2-22 (850°C hot wire test) |
| Operating Temperature 工作溫度 Temperatura de funcionamiento | 0°C - 50°C |
| Housing Color 外殼顏色 color de la carcasa | Matte white 啞光白色 Blanco mate |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Outdoor |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | <ul style="list-style-type: none"> • BS 5266 – Part I • BS 5499 – Part III • BS EN 60598-2-22 (850°C hot wire test) • FSD PPA 104A (4th Revision) |
| Certification-認證-Certificación |      |

E-MONO

3W LED Emergency Luminaire



LED Emergency Luminaire with DALI interface and automatic test function
Non maintained operation
2 or 3 h rated duration
Two-colour status display LED Green: system OK, red: fault
Poly Carbonate for conversion body & aluminum LED body under BS EN 60598-2-22 (850°C hot wire test) testing

EMERGENCY EXIT SIGN

E-MONO

3W LED Emergency Luminaire

Technical Data

| | |
|---|---|
| Luminaire Type-安裝方式 Tipo de luminaria | Recessed Mount Type/嵌入式筒燈 Empotrada Tipo Mount |
| Dimension-尺寸-Dimensión / mm Cut off Dimension-開孔尺寸-Cortar Dimensión / mm | Dia 44 x H: 21mm Cut off 38mm |
| Input Voltage-輸入電壓-Voltaje de entrada | AC200-240V 50/60Hz |
| DALI Control DALI standard EN 62386-202, | <ul style="list-style-type: none"> • Functional test The time of day and frequency of the 5 seconds function test can be set by the DALI controller. The default setting is a 5 seconds test on a weekly basis • Duration test The time of day and frequency of the duration test can be set by the DALI controller. The default setting is a duration test conducted every 52 weeks • Status indication--System status is indicated by a bi-colour LED and by a DALI status flag. |
| System Mode 應急系統模式 Modo de sistema | Non-Maintained Type式 非長時式Tipo no mantenido |
| Automatic Self-Testing Function 自動自檢功能 Función automática de autoprueba | <ul style="list-style-type: none"> • Weekly function test 每週功能測試 Prueba de funcionamiento semanal. • Yearly duration test 年度持續時間測試 Prueba de duración anual |
| Power Consumption Max-燈具功率 Consumo de energía Max | 3W |
| Charge Time 充電時間Tiempo de carga | 15 hours charging time |
| Discharge Duration 放電時間 Duración de la descarga | <ul style="list-style-type: none"> • 2 Hours • 3 Hours |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE |
| Lumen Output 光通量Salida de luz | • 270lm |
| LED Life-LED壽命-La vida del LED | > 50000 hours |
| Color Temperature -色溫 Temperatura del color | 6500K |
| Battery Type 電池類型 Tipo de batería | 3.6V 1800mAh Ni-Cd Battery |
| LED indicator Function LED指示燈功能 Indicador LED de función | Two-colour status display LED Green: system OK, red: fault 兩色狀態顯示LED綠色: 系統正常, 紅色: 故障 LED de visualización de estado de dos colores Verde: sistema correcto, rojo: falla |
| Housing materials-外殼材料 Materiales de la carcasa | Polycarbonate 聚碳酸酯 Policarbonato -BS EN 60598-2-22 (850°C hot wire test) |
| Operating Temperature 工作溫度Temperatura de funcionamiento | 0°C - 50°C |
| Housing Color 外殼顏色 color de la carcasa | Matte white 啞光白色 Blanco mate |
| Ingress Protection-防護等級 Protección de ingreso | IP20 |
| Environment-使用環境-medio ambiente | Indoor |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | BS 5266 – Part I BS 5499 – Part III BS EN 60598-2-22 (850°C hot wire test) FSD PPA 104A (4th Revision) |

Certification-認證-Certificación






E-MOLA

Smart Emergency Battery System



Smart Dip Switch Constant Current Output Emergency Convertor
2 hours or 3 hours Emergency backup for any LED Module up to 20W
Short-circuit proof battery connection.
2 or 3 hours emergency backup with Ni-MH battery. Battery full recharge in 12 hours
LED indication Lamp for battery charging process.
Tested in accordance with latest local requirement PPA/104(A) (4th Revision).

Technical Data

| | |
|--|--|
| Suitable LED Module 合適的LED模塊 Módulo LED adecuado | <ul style="list-style-type: none"> • DC12V to 55V Max • 150mA to 500mA Max Remark : LED Module driving Current and Voltage 備註: LED模塊驅動電流和電壓 Remark : LED Module driving Current and Voltage |
| Emergency Power Output 緊急功率輸出 Salida de energía de emergencia | <ul style="list-style-type: none"> • (2W / AC Power) % • (3W / AC Power) % • (4W / AC Power) % • (5W / AC Power) % • (6W / AC Power) % • (7W / AC Power) % • (8W / AC Power) % • (9W / AC Power) % • (10W / AC Power) % |
| Discharge Duration 放電持續時間 Duración de descarga | 2 Hours 3 Hours |
| Battery 電池 Batería | Ni-mh High Temperature Rechargeable Battery 鎳氫高溫可充電電池 Batería recargable de alta temperatura Ni-mh |
| Battery Capacity 電池容量 Capacidad de la batería | <ul style="list-style-type: none"> • 9.6V 1.0Ah • 9.6V 1.2Ah • 9.6V 2.2Ah • 12V 1.0Ah • 12V 1.2Ah • 12V 2.2Ah • 12V 3.0Ah |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| Transfer Time 轉移時間 Tiempo de transferencia | <0.3 Second |
| Recharge Period 充電時間 Periodo de recarga | 12 Hours |
| Metal Case (L x W x H) 金屬外殼 (長x寬x高) Caja de metal (L x W x H) | <ul style="list-style-type: none"> • W: 86 x H: 46 x L: 365mm • W: 390 x H: 63 x L: 390mm • Others |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | 0 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Compliance 符合標準 Conformidad | Tested in accordance with latest local requirement PPA/104(A) (4th Revision). |
| Certification |    |

OUTDOOR RECESSED DOWN LIGHT



DENA

D90 ~D140 mm 30W Max IP66



OUTDOOR RECESSED MOUNTED LED DOWN LIGHT. Housing: die-cast aluminium with UV resistant powder coating ,Fire resistant silicone seal waterproof gasket ,toughened Clear glass ,

- die-cast aluminium with UV resistant and corrosion -resistance powder coating
- Anti-glare and high purity anodized aluminum reflector to distribute comfortable light
- Tempered and safe glass and Screw-Less installation
- Ingress Protection: IP66 and Mech impact protection: IK10
- LED module: high-power CREE LEDs Array, CRI>80, LM-80 performance approval >50,000 hours.

OUTDOOR RECESSED DOWN LIGHT

Technical Data

| | |
|--|--|
| Luminaire Type-安裝方式Tipo de luminaria | Recessed Mount Type 嵌入式筒燈 Empotrada Tipo Mount |
| Dimension-尺寸-Dimensión Cut off Dimension-開孔尺寸-Cortar Dimensión | <ul style="list-style-type: none"> • Dia: 90 x H: 83 mm Cut off : Dia 83 mm • Dia: 140 x H: 126 mm Cut off : Dia 125 mm High Cover Version <ul style="list-style-type: none"> • Dia: 90 x H: 88 mm Cut off : Dia 83 mm • Dia: 140 x H: 147 mm Cut off : Dia 125 mm |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1 pcs CREE LED Array COB |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ (with remote driver) |
| Power Consumption Max-燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 8W @Dia: 90 mm 10W @ Dia: 90 mm 12W @ Dia: 90 mm • 16W @ Dia: 140 mm 20W @ Dia: 140 mm 30W @ Dia: 140 mm |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 12 charger hours 應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | <ul style="list-style-type: none"> • POWER FACTOR : PF>0.95 @ Full Load • TOTAL HARMONIC DISTORTION: THD< 20% |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | • 16° 24° 38° 55° 60° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | • L70(10k) > 60,000 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • > 80 • > 90 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 80 Lm/w(2700K), 90 Lm/w(3000K), 100 m/w(4000K), • 110 Lm/w(5000K), 110Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 120 Lm/w(2700K), 130 Lm/w(3000K), 140 m/w(4000K), • 150 Lm/w(5000K), 150Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum & Tempered glass lampshade 壓鑄鋁和鋼化玻璃燈罩 Reflector de policarbonato y pantalla de vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | <ul style="list-style-type: none"> • UV resistant Powder Coating :Graphite RAL 9005 / White RAL 9003 / Gray RAL 9006 • 抗紫外線粉末塗料：啞光黑色燈身 RAL 9005 / 啞光白色燈身 RAL9003 / 啞光灰色燈身 RAL 9006 • Resistente a los rayos UV Recubrimiento en Polvo: Matte Black RAL 9005 / Matte Blanco RAL 9003 / Gris Mate RAL 9006 |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK 10 |
| Ingress Protection-防護等級 Protección de ingreso | IP66 |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: EN 60598-1 ; EN 60529 EN 55015 / EN 61000-3-2 / EN 61000-3-3 / EN 61547 LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-1 / IEC 624713 / IEC 61547 |
| Certification-認證-Certificación |         |

DRIHO






D142 & 174mm 45W Max IP66



LED RECESSED MOUNT SPOT LIGHT. Housing: die-cast aluminium, Outdoor UV resistant powder coat finish with 316# stainless steel screws and Tempered glass lampshade. LED module: CREE COB, CRI>80, LM-80 performance approval >50,000 hours. Remote-Type ELV, 0-10V, DALI, DMX and RDM LED constant current control gear. Deep recessed design achieves super eye comfort. Ingress Protection :IP 65.

OUTDOOR RECESSED DOWN LIGHT

Technical Data

| | |
|---|---|
| Luminaire Type-安裝方式 Tipo de luminaria | Recessed Mount Type 嵌入式筒燈 Empotrada Tipo Mount |
| Dimension-尺寸-Dimensión / mm Cut off Dimension-開孔尺寸-Cortar Dimensión / mm | • Dia:142 x H: 100 Cut off: Dia 125mm Dia: 142 x H: 152 Cut off: Dia 125mm • Dia: 174 x H: 174 Cut off: Dia 155mm |
| Cut off Dimension-開孔尺寸-Cortar Dimensión | • Dia 125mm @ Dia: 142 mm Dia 155mm @ Dia: 174 mm |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1 pcs CREE LED Array |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ (with remote driver) |
| Power Consumption Max-燈具功率 Consumo de energía Ma | • 8W @ Dia 142 x H:100mm 10W @ Dia 142 x H:100mm 15W @ Dia 142 x H:100mm • 20W @ Dia 142 x H:152mm 25W @ Dia 142 x H:152mm 30W @ Dia 142 x H:152mm • 35W @ Dia 174 x H:174mm 40W @ Dia 174 x H:174mm 45W @ Dia 174 x H:174mm |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF>0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle-光束角 ángulo de haz | • 20° 30° 45° 60° Asymmetric |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70(10k) > 60,000 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | • > 80 • > 90 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 90 Lm/w(2700K), 90 Lm/w(3000K), 100 Lm/w(4000K), • 100 Lm/w(5000K), 110 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 120 Lm/w(2700K), 120 Lm/w(3000K), 130 Lm/w(4000K), • 130 Lm/w(5000K), 140 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum & Tempered glass lampshade 壓鑄鋁和鋼化玻璃燈罩 Reflector de policarbonato y pantalla de vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating :Matte Black RAL 9005 / Matte White RAL 9003 / Matte GrayRAL 9006 粉末塗料：啞光黑色燈身 RAL 9005 / 啞光白色燈身 RAL9003 / 啞光灰色燈身 RAL 9006 Recubrimiento en Polvo: Matte Black RAL 9005 / Matte Blanco RAL 9003 / Gris Mate RAL 9006 |
| Ingress Protection-防護等級 Protección de ingreso | IP66 |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcion amiento | -30 °C / +50 °C |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |      |

OUTDOOR RECESSED DOWN LIGHT

DRIWOD

D127mm 20W Max IP65



LED RECESSED MOUNT SPOT LIGHT-IP65. Housing: die-cast aluminium, powder-coated, designed as heat sink. Anti-glare reflector and diffusor system made of tempered glass. LED module: high-power CREE LEDs Array, CRI>80, LM-80 performance approval >50,000 hours.

OUTDOOR RECESSED DOWN LIGHT






DRIWOD

D127mm 20W Max IP65

Technical Data

Luminaire Type- 安裝方式
Tipo de luminaria

Recessed Mount Type 嵌入式筒燈 Empotrada Tipo Mount

| | |
|--|---|
| Dimension-尺寸-Dimensión | <ul style="list-style-type: none"> • DIA 127 x H:65 mm @ Stainless Steel Cover • DIA 127 x H:70 mm @ Aluminum cover |
| Cut off Dimension-開孔尺寸-Cortar Dimensión | DIA 110 mm |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1 pcs CREE LED Array |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 16W • 18W • 20W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ (Dimming range from 0-100%) 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF>0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | 60° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CITIZEN - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21"@ 25°C | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 |
| Chromaticity Tolerance (initial Macadam) 色度容差 (初始Macadam) Tolerancia de cromaticidad (Macadam inicial) | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 105 Lm/w(2700K), • 105 Lm/w(3000K), • 110 Lm/w(4000K), • 115 Lm/w(5000K), • 115 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 130 Lm/w(2700K), • 130 Lm/w(3000K), • 135 Lm/w(4000K), • 140 Lm/w(5000K), • 140 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum & Polycarbonate reflector & Tempered glass lampshade 壓鑄鋁和碳酸聚酯反光杯和鋼化玻璃燈罩 Reflector de policarbonato y aluminio fundido a presión y pantalla de vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating :Matte grey body /Stainless steel cover or White aluminum cover 粉末塗料：啞光灰色燈身 /不銹鋼面蓋或白色噴塗鋁面罩 Recubrimiento en polvo: cuerpo gris mate / cubierta de acero inoxidable o cubierta de aluminio blanco |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Outdoor |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC/EN60598-1 ; EN60598-2-1 ; IEC/EN 62031 ; IEC/EN 62493; IEC TR62778 ; IEC62471; RoHS LED Driver: EN 55015 / EN 61000-3-2 / EN 61347-1 / EN 61347-2-13 / EN 61547 / EN 62384 |
| Certification-認證-Certificación |      |

OUTDOOR RECESSED DOWN LIGHT



DRAYAR

D103-226mm 50W Max IP65



COB IP65








SMD IP65



OUTDOOR DOWN LIGHT. Housing: die-cast aluminium, powder-coated, designed as heatsink. Anti-glare reflector and diffusor system made of PMMA. LED module: high-power CREE LEDs Array and SAMSUNG CRI>90, LM-80 performance approval >50,000 hours. Integrated-Type ELV, 0-10V, DALI, DMX and RDM LED constant current control gear. Deep recessed design achieves super eye comfort. IP65 and UGR<19.

OUTDOOR RECESSED DOWN LIGHT

Technical Data

| | |
|--|---|
| Luminaire Type- 安裝方式 Tipo de luminaria | Recessed Mounted Type 嵌入式筒燈 Empotrada Tipo Montado |
| Dimension-尺寸-Dimensión | <ul style="list-style-type: none"> • DIA: 103 x H: 58 mm • DIA: 144 x H: 71 mm • DIA: 183 x H: 80 mm • DIA: 226 x H: 96 mm |
| Cut off Dimension-開孔尺寸-Cortar Dimensión | <ul style="list-style-type: none"> • DIA 90 @ DIA: 103 x H: 58 mm • DIA 130 @ DIA: 144 x H: 71 mm • DIA 170 @ DIA: 183 x H: 80 mm • DIA 210 @ DIA: 226 x H: 96 mm |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1 pcs CREE LED Array @ COB SAMSUNG SMD LEDs |
| Power Consumption Max-燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 9W @ DIA 103 mm • 15W @ DIA 144 mm • 20W @ DIA 144 mm @ DIA 183 mm • 30W @ DIA 183 mm @ DIA 226 mm • 40W @ DIA 183 mm @ DIA 226 mm • 50W @ DIA 226 mm |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60HZ |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED <ol style="list-style-type: none"> 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours應急電池/Copia de seguridad de emergencia |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | <ul style="list-style-type: none"> • 30° @ COB • 60° @ COB • 85° @ SMD |
| Light Source Brand-光源品牌-Fuente de luz de marca | SAMSUNG -(Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) @ SMD CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) @ COB |
| "Lumen Maintenance LM-80 Reported by TM-21" | <ol style="list-style-type: none"> 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • >80 • >90 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 95 Lm/w(2700K), • 95 Lm/w(3000K), • 100 Lm/w(4000K), • 105 Lm/w(5000K), • 105 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 130 Lm/w(2700K), • 130 Lm/w(3000K), • 135 Lm/w(4000K), • 140 Lm/w(5000K), • 140 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum and acrylic 壓鑄鋁和亞克力 Fundición de aluminio y acrílico |
| Housing Color 外殼顏色 color de la carcasa | Matte white / Matte Black \ Matte Gray 啞光白色 / 啞光黑色 / 啞光灰色 Blanco mate / Negro mate/ Gris mate |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |      |



DRITT

D220mm 29W Max IP65










VANDAL-PROOF RECESSED DOWN LIGHT

Housing: die-cast aluminium with stainless steel Trim Cover ,

Clear or Opal Polycarbonate Diffuser held Against gasket by tamper proof screws

OUTDOOR RECESSED DOWN LIGHT

Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Recessed Mount Type 嵌入式筒燈 Empotrada Tipo Mount |
| Dimension-尺寸-Dimensión | DIA 220 x H:154 mm |
| Cut off Dimension-開孔尺寸-Cortar Dimensión | DIA 196 mm |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1 pcs CREE LED COB Array |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energía Max | • 25W • 29W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Constant Current LED Driver: Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | • POWER FACTOR : PF>0.90 @ Full Load • TOTAL HARMONIC DISTORTION: THD< 20% • LIFE HOUR : 50,000 Hours |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | • 8° • 15° • 30° • 50° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE- (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21"@ 25° | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 95 Lm/w(2700K), @ Clear Polycarbonate ; 60 Lm/w(2700K), @ Opal Polycarbonate • 95 Lm/w(3000K), @ Clear Polycarbonate ; 65 Lm/w(3000K), @ Opal Polycarbonate • 100 Lm/w(4000K), @ Clear Polycarbonate; 70 Lm/w(4000K), @ Opal Polycarbonate • 105 Lm/w(5000K), @ Clear Polycarbonate ; 80 Lm/w(5000K), @ Opal Polycarbonate • 105 Lm/w(6500K), @ Clear Polycarbonate ; 80 Lm/w(6500K), @ Opal Polycarbonate |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 115 Lm/w(2700K), • 115 Lm/w(3000K), • 125 Lm/w(4000K), • 135 Lm/w(5000K), • 135 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum & Stainless steel Trim and Clear or Opal Polycarbonate Diffuser and tamper proof screws 壓鑄鋁和不銹鋼裝面框, 透明或PC擴散器, 防篡改螺絲 Difusor de policarbonato de aluminio inyectado y acero inoxidable moldeado y transparente u opal y tornillos a prueba de manipulación indebida |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating :Matte grey body /Stainless steel cover 粉末塗料: 啞光灰色燈身 /不銹鋼面蓋 Recubrimiento en polvo: Cuerpo gris mate / cubierta de acero inoxidable |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK13 |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 / Hot Wire Testing: 850°C LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |        |

OUTDOOR SURFACE MOUNTED DOWN LIGHT



CHEMY

D60xH160mm 10W Max IP66



OUTDOOR SURFACE MOUNTED DOWN OR PENDANT LIGHT.

Housing: Extrusion aluminium housing with corrosion-resistance powder coating and die-cast aluminium cover.

Anti-glare and high purity anodized aluminum reflector to distribute comfortable light

Tempered and safe glass and Screw-Less installation








Ingress Protection: IP66 and Mech impact protection: IK08

LED module: high-power CREE LEDs Array, CRI>80, LM-80 performance approval >50,000 hours.

Integrated-Type ELV , 0-10V, DALI, DMX and RDM LED constant current control gear.

OUTDOOR SURFACE MOUNTED DOWN LIGHT

Technical Data

| | |
|---|---|
| Luminaire Type-安裝方式/Tipo de luminaria | Pendent Type\ Surface mounted 吊裝燈具\ 吸頂式燈具 Pendent tipo \ Surface mounted |
| Dimension-尺寸-Dimensión | DIA: 60 x H: 160 mm |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energía Max | • 5W 8W 10W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Constant Current LED Driver: Refer to LED driver specification 請參閱LED 驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. DALI Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ (Dimming range from 0-100%) 6. RDM Driver AC100-240V 50/60HZ 7. Remote Emergency Backup >2 hours or >3 hours 應急電池/Copia de seguridad de emergencia |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle/光束角 ángulo de haz | • 15° 20° 24° 38° 40° 60° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE COB LED - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21"25°C | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Photobiological safety-IEC 62471 / of Luminaire 光生物安全檢驗(IEC/EN 62471) 結果: Seguridad fotobiológica-IEC 62471 | • Risk Group 1 (RG1) • 1 類危險 (低危) • Grupo de riesgo 1 |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | • > 80 • > 90 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 100 Lm/w(2700K), 100 Lm/w(3000K), 105 Lm/w(4000K), • 120 Lm/w(5000K), 120 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 130 Lm/w(2700K), 130 Lm/w(3000K), 135 Lm/w(4000K), • 150 Lm/w(5000K), 150 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum & Clear Tempered glass lampshade 壓鑄鋁和透明鋼化玻璃燈罩 Pantalla de aluminio fundido a presión y vidrio templado transparente |
| Housing Color 外殼顏色 color de la carcasa | UV resistant Powder Coating :Matte Black RAL 9005 / Matte White RAL 9003 / Matte GrayRAL 9006 抗紫外線粉末塗料: 啞光黑色燈身 RAL 9005 / 啞光白色燈身 RAL9003 / 啞光灰色燈身 RAL 9006 Resistente a los rayos UV Recubrimiento en Polvo: Matte Black RAL 9005 / Matte Blanco RAL 9003 / Gris Mate RAL 9006 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (EN60529) |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaries: EN 60598-1;EN 60598-2-1; IEC TR62778 IEC62471 ; IEC 62031; RoHS LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; IEC/EN 61000-3-3;IEC/EN61574;EN 55015 |
| Certification-認證-Certificación |        |

OUTDOOR SURFACE MOUNTED DOWN LIGHT

DSAR




SQ150xH150&200&300mm 30W Max IP66



Housing: Die-cast aluminium housing with corrosion -resistance powder coating and die-cast aluminium cover.
Anti-glare and high purity anodized aluminum reflector to distribute comfortable light
Tempered and safe glass and Screw-Less installation
Ingress Protection: IP66 and Mech impact protection: IK08
LED module: high-power CREE LEDs Array, CRI>80, LM-80 performance approval >50,000 hours.
Integrated-Type ELV , 0-10V, DALI, DMX and RDM LED constant current control gear.

OUTDOOR SURFACE MOUNTED DOWN LIGHT

Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | <ul style="list-style-type: none"> • W: 150 x L: 150 x H: 150 • W: 150 x L: 150 x H: 200 • W: 150 x L: 150 x H: 300 |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 8W 10W 12W 14W 16W 18W • 20W 24W 26W 28W 30W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | <p>Integrated-type LED Driver--Constant Current LED Driver: Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED</p> <ol style="list-style-type: none"> 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ (Dimming range from 0-100%) |
| LED Driver Features 驅動特性 Funciones del controlador de LED | <p>POWER FACTOR : PF>0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% LIFE HOUR : 50,000 Hours</p> |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle - symmetrical wide beam light distribution 光束角 - 對稱寬光束光分佈 Ángulo de haz - distribución de luz de haz amplio simétrico | <ul style="list-style-type: none"> • 24° • 36° • 60° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE COB LED - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21"25°C | <ol style="list-style-type: none"> 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • > 80 • > 90 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | <p>Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM</p> |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 90 Lm/w(2700K), 95 Lm/w(3000K), 105 Lm/w(4000K), • 115 Lm/w(5000K), 115 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 120 Lm/w(2700K), 125 Lm/w(3000K), 135 Lm/w(4000K), • 145 Lm/w(5000K), 145 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | <p>Die-cast aluminum & Clear Tempered glass lampshade & Stainless Steel Screws in Grade 316 壓鑄鋁和透明鋼化玻璃燈罩和 316不銹鋼螺絲 Pantalla de aluminio fundido a presión y vidrio templado transparente y tornillos de acero inoxidable en grado 316</p> |
| Housing Color 外殼顏色 color de la carcasa | <p>UV resistant Powder Coating :Matte Black RAL 9005 / Matte White RAL 9003 / Matte GrayRAL 9006 抗紫外線粉末塗料：啞光黑色燈身 RAL 9005 / 啞光白色燈身 RAL9003 / 啞光灰色燈身 RAL 9006 Resistente a los rayos UV Recubrimiento en Polvo: Matte Black RAL 9005 / Matte Blanco RAL 9003 / Gris Mate RAL 9006</p> |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | <p>LED Luminaries: EN 60598-1;EN 60598-2-1; IEC TR62778 IEC62471 ; IEC 62031; RoHS LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; IEC/EN 61000-3-3;IEC/EN61574;EN 55015</p> |
| Certification-認證-Certificación |         |

OUTDOOR SURFACE MOUNTED DOWN LIGHT

DSENA



D95 x H103mm 10W IP65



LED OUTDOOR SURFACE MOUNTED DOWN LIGHT. Housing: die-cast aluminium, powder-coated, designed as heat sink. Anti-glare reflector and diffuser system made of tempered glass. LED module: high-power CREE LEDs Array, CRI>80, LM-80 performance approval >50,000 hours. Integrated-Type ELV , 0-10V, DALI, DMX and RDM LED constant current control gear. Ingress protection: IP65.

OUTDOOR SURFACE MOUNTED DOWN LIGHT

Technical Data

| | |
|--|---|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | DIA: 95 x H: 103 mm |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1 pcs CREE LED Array |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energía Max | 10W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | EFFICIENCY (Typ.): >85% MAX. No. of PSUs on 16A CIRCUIT BREAKER: 25 units (circuit breaker of type B) / 40 units (circuit breaker of type C at 230VAC) |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | • 12° • 22° • 36° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 "Risk Group 1" (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 82 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 85 Lm/w(2700K), • 85 Lm/w(3000K), • 90 Lm/w(4000K), • 100 Lm/w(5000K), • 100 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 100 Lm/w(2700K), • 100 Lm/w(3000K), • 105 Lm/w(4000K), • 120 Lm/w(5000K), • 120 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | • Die-cast aluminum and tempered glass • 壓鑄鋁和鋼化玻璃 • Fundicion de aluminio y vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating :Matte Black / Matte White / Matte Gray 粉末塗料: 啞光黑色燈身 / 啞光白色燈身 / 啞光灰色燈身 Recubrimiento en Polvo: Matte Black / Matte Blanco / Gris Mate |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Outdoor |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547W |
| Certification-認證-Certificación |       |

DSECH

D125xH120mm 15W-20W IP65



LED OUTDOOR SURFACE MOUNTED DOWN LIGHT. Housing: die-cast aluminium, powder-coated, designed as heat sink. Anti-glare reflector and diffusor system made of PC and tempered glass lampshade. LED module: high-power CREE LEDs Array, CRI>80, LM-80 performance approval >50,000 hours. Integrated-Type ELV , 0-10V, DALI, DMX and RDM LED constant current control gear. Ingress protection: IP65.

OUTDOOR SURFACE MOUNTED DOWN LIGHT

Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | DIA: 125 x H: 120 mm |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1 pcs CREE LED Array |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energía Max | • 12W • 15W • 20W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0 -10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF>0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% EFFICIENCY (Typ.): >90% MAX. No. of PSUs on 16A CIRCUIT BREAKER: 25 units (circuit breaker of type B) / 40 units (circuit breaker of type C at 230VAC) |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | • 15° • 24° • 38° • 90° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 82 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 85 Lm/w(2700K), • 85 Lm/w(3000K), • 90 Lm/w(4000K), • 100 Lm/w(5000K), • 100 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 100 Lm/w(2700K), • 100 Lm/w(3000K), • 105 Lm/w(4000K), • 120 Lm/w(5000K), • 120 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum & Polycarbonate reflector & Tempered glass lampshade 壓鑄鋁和聚碳酸酯反光杯和鋼化玻璃燈罩 Reflector de policarbonato y aluminio fundido a presión y pantalla de vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating :Matte Black / Matte White / Matte Gray 粉末塗料：啞光黑色燈身 / 啞光白色燈身 / 啞光灰色燈身 Recubrimiento en Polvo: Matte Black / Matte Blanco / Gris Mate |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Outdoor |
| Country of Origin 產地 | PRC 中國 |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación | |

CHEYA







D120 x H150&200mm 20W Max



Housing: Extrusion aluminium housing with corrosion -resistance powder coating and die-cast aluminium cover.
Anti-glare and high purity anodized aluminum reflector to distribute comfortable light
Tempered and safe glass and Screw-Less installation
Ingress Protection: IP66 and Mech impact protection: IK08
LED module: high-power CREE LEDs Array, CRI>80, LM-80 performance approval >50,000 hours.
Integrated-Type ELV , 0-10V, DALI, DMX and RDM LED constant current control gear.

OUTDOOR SURFACE MOUNTED DOWN LIGHT

Technical Data

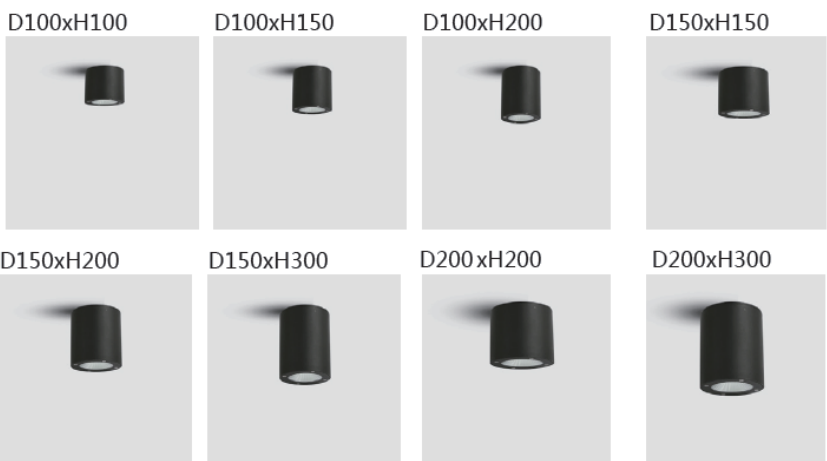
| Luminaire Type-安裝方式Tipo de luminaria | Surface Mounted Type-明裝式燈具-Superficie Tipo Montado |
|--|--|
| Dimension-尺寸-Dimensión | <ul style="list-style-type: none"> • DIA: 120 x H: 100 mm • DIA: 120 x H: 150 mm • DIA: 120 x H: 200 mm |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1 pcs CREE LED Array |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 11W • 12W @ DIA: 120 x H: 100 mm • 15W • 20W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Zigbee Wireless Control Driver AC100-270V 50/60HZ |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF>0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | <ul style="list-style-type: none"> • 24° • 36° • 60° • 90° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 "Risk Group 1" (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K/ Tunable White (2700K-6500K) |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • > 80 • > 90 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 90 Lm/w(2700K), 100 Lm/w(3000K), 100 Lm/w(4000K), • 105 Lm/w(5000K), 105 Lm/w(6500K), 100 Lm/w Tunable White (2700K-6500K) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 120 Lm/w(2700K), 130 Lm/w(3000K), 130 Lm/w(4000K), • 140 Lm/w(5000K), 140 Lm/w(6500K), 130Lm/w Tunable White (2700K-6500K) |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum and tempered glass 壓鑄鋁和鋼化玻璃 Fundición de aluminio y vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | <ul style="list-style-type: none"> • UV resistant Powder Coating :Matte Black RAL 9005 / Matte White RAL 9003 / Matte GrayRAL 9006 • 抗紫外線粉末塗料：啞光黑色燈身 RAL 9005 / 啞光白色燈身 RAL9003 / 啞光灰色燈身 RAL 9006 • Resistente a los rayos UV Recubrimiento en Polvo: Matte Black RAL 9005 / Matte Blanco RAL 9003 / Gris Mate RAL 9006 |
| Optical materials 光學材料 Materiales ópticos | Safe Optical Glass with Aluminium Reflector /玻璃和鋁反光杯表面處理 Vidrio óptico con aluminio reflector Silver |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Outdoor |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |        |

OUTDOOR SURFACE MOUNTED DOWN LIGHT

DSANFY










D100 ~200mm 60W Max IP66



Extruded aluminium and die-cast aluminium housing with Anti-glare reflector and 8mm thick toughened FLUSH glass and Fire resistant silicone seal waterproof gasket to achieve IK08 Mech impact protection and IP66 , DuPont Outdoor UV resistant powdercoat finish and 316# stainless steel screws. Integrated LED Driver Life >50,000 hours

Technical Data

| Luminaire Type-安裝方式-Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
|---|--|
| Dimension-尺寸-Dimensión | <ul style="list-style-type: none"> • DIA: 100 x H: 100 mm DIA: 100 x H: 150 mm DIA: 100 x H: 200 mm DIA: 150 x H: 150 mm • DIA: 150 x H: 200 mm DIA: 150 x H: 300 mm DIA: 200 x H: 200 mm DIA: 200 x H: 300 mm |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 6W @ DIA: 100 x H: 100 mm @ DIA: 100 x H: 150 mm • 10W @ DIA: 100 x H: 150 mm @ DIA: 100 x H: 200 mm • 15W @ DIA: 100 x H: 150 mm @ DIA: 100 x H: 200 mm @ DIA: 150 x H: 150 mm • 15W @ DIA: 150 x H: 200 mm @ DIA: 150 x H: 300 mm • 15W @ DIA: 200 x H: 200 mm @ DIA: 200 x H: 300 mm • 20W @ DIA: 150 x H: 150 mm @ DIA: 150 x H: 200 mm @ DIA: 150 x H: 300 mm • 20W @ DIA: 200 x H: 200 mm @ DIA: 200 x H: 300 mm • 25W @ DIA: 150 x H: 150 mm @ DIA: 150 x H: 200 mm @ DIA: 150 x H: 300 mm • 28W @ DIA: 150 x H: 150 mm @ DIA: 150 x H: 200 mm @ DIA: 150 x H: 300 mm • 30W @ DIA: 150 x H: 150 mm @ DIA: 150 x H: 200 mm @ DIA: 150 x H: 300 mm • 30W @ DIA: 200 x H: 200 mm @ DIA: 200 x H: 300 mm • 35W @ DIA: 150 x H: 200 mm @ DIA: 150 x H: 300 mm • 35W @ DIA: 200 x H: 200 mm @ DIA: 200 x H: 300 mm • 40W @ DIA: 200 x H: 200 mm @ DIA: 200 x H: 300 mm @ DIA: 150 x H: 300 mm • 45W @ DIA: 200 x H: 200 mm @ DIA: 200 x H: 300 mm @ DIA: 150 x H: 300 mm • 50W @ DIA: 200 x H: 200 mm @ DIA: 200 x H: 300 mm • 55W @ DIA: 200 x H: 200 mm @ DIA: 200 x H: 300 mm • 60W @ DIA: 200 x H: 200 mm @ DIA: 200 x H: 300 mm |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver-Constant Current LED Driver: Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ (Dimming range from 0-100%) 6. Zigbee Wireless Control Driver AC100-270V 50/60HZ 7. Remoted Type Emergency Backup >2 hours |
| LED Driver Features-驅動特性 Funciones del controlador de LED | POWER FACTOR : PF>0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% |
| Control Protocol-控制協議 Protocolo de Control | 1-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle - 光束角- Ángulo de haz | • 24° 30° 36° 40° 60° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE COB LED |
| "Lumen Maintenance LM-80 Reported by TM-21"25°C | L90(10k) = 50,700 hrs L80(10k) > 63,500 hrs L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | • > 80 • > 95 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Photobiological safety-EN 62471 / of Luminaire 光生物安全檢驗(EN 62471) 結果: Seguridad fotobiológica-EN 62471 | <ul style="list-style-type: none"> • Exempt • 豁免(無危險) • Eximir |
| Luminaire Efficacy燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 110 Lm/w(2700K), 120 Lm/w(3000K), 130 Lm/w(4000K), • 135 Lm/w(5000K), 135 Lm/w(6500K), 120 Lm/w Tunable White (2700K-6500K) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 130 Lm/w(2700K), 140 Lm/w(3000K), 150 Lm/w(4000K), • 155 Lm/w(5000K), 155 Lm/w(6500K), 140 Lm/w Tunable White (2700K-6500K) |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum & 8mm Clear Tempered glass lampshade & Stainless Steel Screws in Grade 316 壓鑄鋁和8mm 透明鋼化玻璃燈罩和 316不銹鋼螺絲 Pantalla de aluminio fundido a presión y vidrio templado transparente y tornillos de acero inoxidable en grado 316 |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating :Matte Black RAL 9005 / Matte White RAL 9003 / Matte GrayRAL 9006 粉末塗料: 啞光黑色燈身 RAL 9005 / 啞光白色燈身 RAL9003 / 啞光灰色燈身 RAL 9006 Recubrimiento en Polvo: Matte Black RAL 9005 / Matte Blanco RAL 9003 / Gris Mate RAL 9006 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcion amiento | -30 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 -IEC62262 |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires:LVD: EN 60598-1 / EN 60598-2-1/ IEC 62031 / EN 62471 IEC 60529 / IEC 62262 / RoHS LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; IEC/EN 61000-3-3; IEC/EN61574;EN 55015 |
| Certification-認證-Certificación |        |

WALL & CEILING LIGHT



WEEL

D260xH60mm 10~18W



HOUSING: Cast aluminum, Stainless steel screws, Silicon seal gaskets, and White crystal glass diffuser with pattern

FINISH: Texture dark gray, silver or white powder coating finish









LED MODULE: SMD LED CRI>80 LM-80 performance approval >50,000 hours

Super performance in light distribution and optimum lighting quality

APPLICATIONS: schools, public buildings etc.

ARCHITECTURAL OUTDOOR WALL LIGHT

Technical Data

| | |
|---|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | Dia260x H85mm |
| Power Consumption Max-燈具功率 Consumo de energía Max | • 10W • 18W |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60HZ or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% EFFICIENCY (Typ.): >85% MAX. No. of PSUs on 16A CIRCUIT BREAKER: 25 units (circuit breaker of type B) / 40 units (circuit breaker of type C at 230VAC) |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | 180° |
| Light Source Brand-光源品牌-Fuente de luz de marca | SMD LED- (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 3000K / 4000K / 5700K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SCDM 標準偏差配色 < 3 SCDM Coincidencia de color estándar Desviación |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 50 Lm/w(3000K), 60 Lm/w(4000K), 70 Lm/w(5700K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 100 Lm/w(3000K), 105 Lm/w(4000K), 120 Lm/w(5700K), |
| Housing materials-外殼材料 Materiales de la carcasa | Cast aluminum , White crystal glass diffuser with pattern Stainless steel screws, Silicon seal gaskets 壓鑄鋁, 白色水晶玻璃帶圖案擴散器, 不銹鋼螺釘, 硅膠密封墊圈 Aluminio fundido, difusor de cristal blanco con patrón Tornillos de acero inoxidable, juntas de silicona |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating : Texture dark gray and silver 砂深灰色和砂銀色 Textura gris oscuro y plata |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Outdoor |
| Net Weight /Gross Weight 淨重/毛重 Peso Neto / Peso bruto | 3.4 KG |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-1/ Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |         |

WEITH

D160XH80mm 8W



HOUSING: Cast aluminum, Stainless steel screws, Silicon seal gaskets, and White crystal glass diffuser with pattern

FINISH: Texture dark gray, and silver powder coating finish









LED MODULE: SMD LED CRI>80 LM-80 performance approval >50,000 hours

Super performance in light distribution and optimum lighting quality

APPLICATIONS: schools, public buildings etc.

ARCHITECTURAL OUTDOOR WALL LIGHT

Technical Data

| | |
|---|---|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | D 160 X H 80 mm |
| Power Consumption Max-燈具功率 Consumo de energía Max | 8W |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% EFFICIENCY (Typ.): >85% MAX. No. of PSUs on 16A CIRCUIT BREAKER: 25 units (circuit breaker of type B) / 40 units (circuit breaker of type C at 230VAC) |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | 180° |
| Light Source Brand-光源品牌-Fuente de luz de marca | SMD LED- (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 3000K / 4000K / 5700K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SCDM 標準偏差配色 < 3 SCDM Coincidencia de color estándar Desviación |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 50 Lm/w(3000K), 60 Lm/w(4000K), 70 Lm/w(5700K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 100 Lm/w(3000K), 105 Lm/w(4000K), 120 Lm/w(5700K), |
| Housing materials-外殼材料 Materiales de la carcasa | Cast aluminum , White crystal glass diffuser with pattern Stainless steel screws, Silicon seal gaskets 壓鑄鋁, 白色水晶玻璃帶圖案擴散器, 不銹鋼螺釘, 硅膠密封墊圈 Aluminio fundido, difusor de cristal blanco con patrón Tornillos de acero inoxidable, juntas de silicona |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating : Texture dark gray and silver 砂深灰色和砂銀色 Textura gris oscuro y plata |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Outdoor |
| Net Weight /Gross Weight 淨重/毛重 Peso Neto / Peso bruto | 1.3 KG |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-1/ Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |         |

WENCE

D160XH120mm 8W



HOUSING: Cast aluminum, Stainless steel screws, Silicon seal gaskets, and White crystal glass diffuser with pattern

FINISH: Texture dark gray, and silver powder coating finish









LED MODULE: SMD LED CRI>80 LM-80 performance approval >50,000 hours

Super performance in light distribution and optimum lighting quality

APPLICATIONS: schools, public buildings etc.

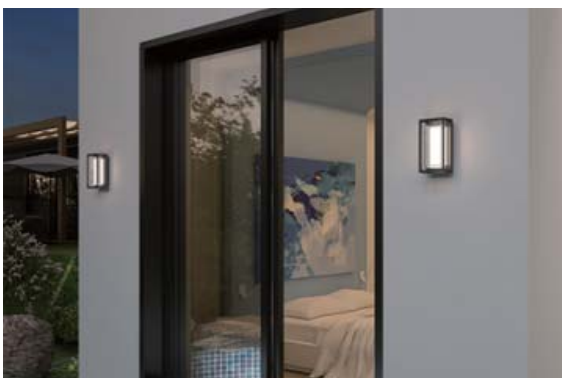
ARCHITECTURAL OUTDOOR WALL LIGHT

Technical Data

| | |
|---|---|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | D160XH120 mm |
| Power Consumption Max-燈具功率 Consumo de energía Max | 8W |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% EFFICIENCY (Typ.): >85% MAX. No. of PSUs on 16A CIRCUIT BREAKER: 25 units (circuit breaker of type B) / 40 units (circuit breaker of type C at 230VAC) |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | 180° |
| Light Source Brand-光源品牌-Fuente de luz de marca | SMD LED- (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 3000K / 4000K / 5700K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SCDM 標準偏差配色 < 3 SCDM Coincidencia de color estándar Desviación |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 50 Lm/w(3000K), 60 Lm/w(4000K), 70 Lm/w(5700K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 100 Lm/w(3000K), 105 Lm/w(4000K), 120 Lm/w(5700K), |
| Housing materials-外殼材料 Materiales de la carcasa | Cast aluminum , White crystal glass diffuser with pattern Stainless steel screws, Silicon seal gaskets 壓鑄鋁, 白色水晶玻璃帶圖案擴散器, 不銹鋼螺釘, 硅膠密封墊圈 Aluminio fundido, difusor de cristal blanco con patrón Tornillos de acero inoxidable, juntas de silicona |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating : Texture dark gray and silver 砂深灰色和砂銀色 Textura gris oscuro y plata |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Outdoor |
| Net Weight /Gross Weight 淨重/毛重 Peso Neto / Peso bruto | 1.5 KG |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-1/ Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |         |

WEKAY

W95xL250xH125mm 7W IP66



The WEKAY ARCHITECTURAL WALL LIGHT is finished by a robust surrounding frame made of cast aluminium and safe glass
Safe glass and 316 Stainless Steel Screw
Corrosion -resistance powder coating and die-cast aluminium cover.

Technical Data

| | |
|--|---|
| Luminaire Type- 安裝方式-Tipo de luminaria | Surface Mounted Type-明裝式燈具--Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | • W:125 x L: 250 x H: 95 mm • W:125 x L: 265 x H: 131mm |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energía Max | 6W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0 -10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. Remoted Type Emergency Backup >2 hours or >3 hours應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | • POWER FACTOR : PF>0.90 @ Full Load • TOTAL HARMONIC DISTORTION: THD< 20% |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali |
| Beam Angle-光束角-ángulo de haz | 120° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy燈具效率 La eficacia de la luminaria | • 90 Lm/w(2700K), 90 Lm/w(3000K), 100 Lm/w(4000K), • 100 Lm/w(5000K), 100 Lm/w(6500K), |
| LED Source Luminous Efficacy 光源光效 Fuente luminosa LED Eficacia | • 130 Lm/w(2700K), 130 Lm/w(3000K), 160 Lm/w(4000K), • 160 Lm/w(5000K), 160 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminium and Frosted crystal glass with pattern 壓鑄鋁和布紋鋼化玻璃 Die fundición de aluminio y cristal esmerilado de vidrio con patrón |
| Housing Color外殼顏色color de la carcasa | Dark Gray 深灰色 Dark Gray |
| Ingress Protection-防護等級 Protección de ingreso | IP66 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Environment-使用環境-medio ambiente | Outdoor |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |

Certification-認證-Certificación





WED







D150xH60mm 8W



HOUSING: Cast aluminum, Stainless steel screws, Silicon seal gaskets, and White crystal glass diffuser
FINISH: Texture dark gray and silver powder coating finish
LED module: SMD LEDs CRI>80 LM-80 performance approval >50,000 hours.
Super performance in light distribution and optimum lighting quality.
Applications:schools,public buildings ,etc.

ARCHITECTURAL OUTDOOR WALL LIGHT

Technical Data

| | |
|---|---|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | Dia 150 x H:60mm |
| Power Consumption Max-燈具功率 Consumo de energía Max | 8W |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% EFFICIENCY (Typ.): >85% MAX. No. of PSUs on 16A CIRCUIT BREAKER: 25 units (circuit breaker of type B) / 40 units (circuit breaker of type C at 230VAC) |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali/ DMX 512 / RDM |
| Beam Angle 光束角 ángulo de haz | 180° |
| Light Source Brand-光源品牌-Fuente de luz de marca | SMD LED- (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 3000K / 4000K / 5700K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SCDM 標準偏差配色< 3 SCDM Coincidencia de color estándar Desviación |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 50 Lm/w(3000K), • 60 Lm/w(4000K), • 70 Lm/w(5700K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 100 Lm/w(3000K), • 105 Lm/w(4000K), • 120 Lm/w(5700K), |
| Housing materials-外殼材料 Materiales de la carcasa | • Cast aluminum , White crystal glass diffuser Stainless steel screws, Silicon seal gaskets • 壓鑄鋁, 白色水晶玻璃擴散器, 不銹鋼螺釘, 硅膠密封墊圈 • Aluminio fundido, difusor de cristal blanco, tornillos de acero inoxidable, juntas de silicona |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating : • Texture dark gray and silver • 砂深灰色和砂銀色 • Textura gris oscuro y plata |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Outdoor |
| Net Weight /Gross Weight 淨重/毛重 pPeso Neto / Peso bruto | 1.1KG |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-1/ Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |         |






WEC

L225 x H:60 x W:70mm



The WEC Ceiling and Wall Light is finished by a robust surrounding frame made of cast aluminium protects the edges and corners of the frosted crystal glass.
Safe glass and 316 Stainless Steel Screw
Corrosion -resistance powder coating and die-cast aluminium cover.
Ingress Protection: IP66
Made In Korea

Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | L225 x H:60 x W:70mm |
| Power Consumption Max-燈具功率 Consumo de energía Max | 7W |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60Hz |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 220-240V 50/60HZ 3. 1-10V Dimming Driver AC220-240V 50/60HZ 4. DALI Dimming Driver AC220-240V 50/60HZ |
| Light Source Brand-光源品牌-Fuente de luz de marca | LG Innotek SMD LED |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >50,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SCDM 標準偏差配色 < 3 SCDM Coincidencia de color estándar Desviación |
| Beam Angle-光束角-ángulo de haz | 120° |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 85Lm/w(2700K), 85Lm/w(3000K), 90Lm/w(4000K), • 100Lm/w(5000K), 100 Lm/w(6500K), |
| LED Source Luminous Efficacy 光源光效 Fuente luminosa LED Eficacia | • 120 Lm/w(2700K), 120 Lm/w(3000K), 135 Lm/w(4000K), • 140 Lm/w(5000K), 140 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum and White crystal glass 壓鑄鋁和白色水晶玻璃 Aluminio fundido a presión y Cristal blanco |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating :Dark Gray --粉末塗料: 深灰-- La capa del polvo: gris oscuro Powder Coating :Sliver Gray --粉末塗料: 銀灰--La capa del polvo: astilla gris Powder Coating :Matte White --粉末塗料: 啞光白色--La capa del polvo: blanco mate |
| Ingress Protection-防護等級 Protección de ingreso | IP65 |
| Net Weight 淨重Peso Neto | 1.3kg |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +60 °C / -4 °F / +124 °F |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Environment-使用環境-medio ambiente | Outdoor |
| Country of Design 設計國家 / País de diseño | United Kingdom 英國 |
| Country of Origion / 產地/ País de origen | Made in Korea 韓國製造 Hecho en Korea |
| Certification-認證-Certificación |      |



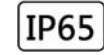





WEENTH

160X160xH 60mm 10W



HOUSING: Cast aluminum, Stainless steel screws, Silicon seal gaskets, and White crystal glass diffuser
FINISH: Texture dark gray, silver or white powder coating finish
LED module: SMD LEDs CRI>80 LM-80 performance approval >50,000 hours.
Super performance in light distribution and optimum lighting quality.
Applications:schools,public buildings ,etc.

Technical Data

| | |
|---|---|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | 160 X 160 x H:60mm |
| Power Consumption Max-燈具功率 Consumo de energía Max | 10W |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% EFFICIENCY (Typ.): >85% MAX. No. of PSUs on 16A CIRCUIT BREAKER: 25 units (circuit breaker of type B) / 40 units (circuit breaker of type C at 230VAC) |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali/ DMX 512 / RDM / ZIGBEE WIRELESS CONTROL |
| Beam Angle 光束角 ángulo de haz | 180° |
| Light Source Brand-光源品牌-Fuente de luz de marca | SMD LED- (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 3000K / 4000K/ 5700K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SCDM 標準偏差配色 < 3 SCDM Coincidencia de color estándar Desviación |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 50 Lm/w(3000K), 60 Lm/w(4000K), 70 Lm/w(5700K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 100 Lm/w(3000K), 105 Lm/w(4000K), 120 Lm/w(5700K), |
| Housing materials-外殼材料 Materiales de la carcasa | Cast aluminum , White crystal glass diffuser Stainless steel screws, Silicon seal gaskets 壓鑄鋁, 白色水晶玻璃擴散器, 不銹鋼螺釘, 硅膠密封墊圈 Aluminio fundido, difusor de cristal blanco, tornillos de acero inoxidable, juntas de silicona |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating : Texture dark gray and silver 砂深灰色和砂銀色 Textura gris oscuro y plata |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Outdoor |
| Net Weight /Gross Weight 淨重/毛重 pPeso Neto / Peso bruto | 1.8KG |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-1/ Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |         |









WALYA

D250 x H74 mm 16W Max IP65



LED WALL BULKHEAD LIGHT. Housing: die-cast aluminium, powder-coated, designed as heatsink. Anti-glare reflector and diffuser system made of PC. LED module: CRI>80, LM-80 performance approval >50,000 hours. Integrated-Type ELV, 0-10V, DALI, DMX and RDM LED constant current control gear. Applications: carpark, hotels, restaurants, schools, dormitory, supermarkets, shopping malls, commercial buildings.

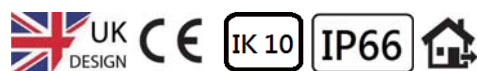
Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | Dia: 250 x H: 74 mm |
| QTY of LEDs-燈珠數量-CANT de LEDs | SMD LEDs |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60Hz |
| Power Consumption Max-燈具功率 Consumo de energia Max | • 11W • 16W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver --Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF>0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% EFFICIENCY (Typ.): >90% MAX. No. of PSUs on 16A CIRCUIT BREAKER: 25 units (circuit breaker of type B) / 40 units (circuit breaker of type C at 230VAC) |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | 110° |
| Light Source Brand-光源品牌-Fuente de luz de marca | SAMSUNG - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 95 Lm/w(2700K), • 95 Lm/w(3000K), • 100 Lm/w(4000K), • 105 Lm/w(5000K), • 105 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 110 Lm/w(2700K), • 110 Lm/w(3000K), • 115 Lm/w(4000K), • 130 Lm/w(5000K), • 130 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminium and Milky Polycarbonate 壓鑄鋁和乳白聚碳酸酯 Aluminio fundido a presión y Milky policarbonato |
| Housing Color 外殼顏色 color de la carcasa | Matte black 啞光黑色 Matte black |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK10 |
| Country of Origin 產地 | PRC 中國 |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 / Hot Wire Testing: 850°C LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |         |



CION

292x155x169mm 10W-18W IP66








The CHEM Ceiling Light is finished by Die-casting aluminium alloy and Clear polycarbonate diffuser with optical structure

Corrosion -resistance powder coating

Ingress Protection: IP66 and Mech impact protection: IK10

Technical Data

| | |
|---|--|
| Luminaire Type--安裝方式--Tipo de luminaria | Wall Mounted Type-壁裝-Tipo montado en la pared |
| Power Consumption with LED Integral Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | <ul style="list-style-type: none"> • 10W • 12W • 15W • 18W |
| Input Voltage / 輸入電壓 Voltaje de entrada | AC100-240V 50/60HZ |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ZIGBEE Wireless Dimming Driver AC100-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5 Emergency Backup >2 hours or >3 hours @ 應急電池/Copia de seguridad de emergencia |
| Control Protocol/控制協議 Protocolo de Control | 0-10V / Dali |
| Power Factor / 功率因數/Factor de potencia | PF>0.90 |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD<20% |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle光束角ángulo de haz | 120° |
| Light Source Brand-光源品牌-Fuente de luz de marca | Samsung SMD LED |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70(10k) > 63,500 hrs |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 65 Lm/w(2700K), 65 Lm/w(3000K), 70 Lm/w(4000K), 75 Lm/w(5000K), 75 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 120 Lm/w(2700K), 120 Lm/w(3000K), 135 Lm/w(4000K), 140 Lm/w(5000K), 140 Lm/w(6500K), |
| Housing materials 外殼材料 Materiales de la carcasa | Die-casting aluminium alloy; Clear polycarbonate diffuser 壓鑄鋁和透明PC擴散罩 Aleación de aluminio fundido a presión; Difusor de policarbonato transparente |
| Housing Color外殼顏色color de la carcasa | Dark Gray 深灰色 Dark Gray |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK10 |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Dimension尺寸Dimensión | 292x155x169mm |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de función ambiente | -20 °C / +60 °C / -4 °F / +124 °F |
| Environment-使用環境-medio ambiente | Outdoor |
| Country of Design 設計國家 / País de diseño | United Kingdom 英國 |
| Certification-認證-Certificación |      |

CHEMY


D250 x H130mm 14W IP65



LED Ceiling & Wall Light CHEMY. Housing: die-cast aluminium, powder-coated, designed as heatsink, and with stainless steel screws, silicon seal gaskets. Anti-glare reflector and diffuser system made of crystal glass with pattern. LED module: Samsung LEDs, CRI>80, LM-80 performance approval >50,000 hours. Integrated-Type 0-10V, DALI and ZIGBEE LED constant current control gear.

ARCHITECTURAL OUTDOOR WALL LIGHT

Technical Data

| | |
|---|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Ceiling Mounted Type& Wall Mounted Type 吸頂安裝&壁裝 Tipo montado en el techo&Tipo montado en la pared |
| Power Consumption with LED Integral Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | 14W |
| Input Voltage / 輸入電壓 Voltaje de entrada | AC100-240V 50/60HZ |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ZIGBEE Wireless Dimming Driver AC100-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ |
| Control Protocol/控制協議 Protocolo de Control | 0-10V / Dali / ZIGBEE Wireless Control |
| Power Factor / 功率因數/Factor de potencia | PF>0.90 |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD<20% |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature and Color 色溫和顏色 Temperatura y color del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >82 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle 光束角 ángulo de haz | 120 ° |
| Light Source Brand-光源品牌-Fuente de luz de marca | SAMSUNG - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 70 Lm/w(2700K), • 70 Lm/w(3000K), • 75 Lm/w(4000K), • 80 Lm/w(5000K), • 80 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 100 Lm/w(2700K), • 100 Lm/w(3000K), • 105 Lm/w(4000K), • 120 Lm/w(5000K), • 120 Lm/w(6500K), |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and crystal glass with pattern 壓鑄鋁和鋼化玻璃 Die fundición de aluminio y cristal con patrón |
| Housing Color 外殼顏色 color de la carcasa | Dark Gray 深灰色 Dark Gray |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK10 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +60 °C / -4 °F / +124 °F |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Dimension 尺寸 Dimensión | Dia: 250 x H: 130 mm |
| Weight 重量 Peso | 2.0 kg |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Outdoor |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |         |



WEIN



L130XH230xD140mm 7~14W



Housing: Die Cast aluminium housing with corrosion -resistance powder coating and die-cast aluminium cover.










Anti-glare and high purity anodized aluminum reflector to distribute comfortable light

Tempered and safe glass and Stainless Steel Screw and Anti-aging Gasket

Ingress Protection: IP66 and Mech impact protection: IK08

DOWN WALL LIGHT

Technical Data

| | |
|---|---|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | L130XH230xD140mm |
| Power Consumption Max-燈具功率 Consumo de energía Max | • 7W • 14W |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF \geq 0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | Asymmetric • 15° • 30° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE COB LED- (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 3000K / 4000K / 5700K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SCDM 標準偏差配色 < 3 SCDM Coincidencia de color estándar Desviación |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 80 Lm/w(3000K), 90 Lm/w(4000K), 100 Lm/w(5700K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 100 Lm/w(3000K), 105 Lm/w(4000K), 120 Lm/w(5700K), |
| Housing materials-外殼材料 Materiales de la carcasa | Cast aluminum , Clear tempered glass diffuser , Stainless steel screws, Silicon seal gaskets 鑄鋁, 透明鋼化玻璃擴散器, 不銹鋼螺釘, 硅密封墊圈 Aluminio fundido, difusor de vidrio templado transparente, tornillos de acero inoxidable, juntas de sello de silicio |
| Housing Color 外殼顏色 color de la carcasa | corrosion -resistance powder coating 耐腐蝕粉末塗料 recubrimiento en polvo resistente a la corrosión: • Texture dark gray and silver • 砂深灰色和砂銀色 • Textura gris oscuro y plata |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 IEC 62262 |
| Net Weight /Gross Weight淨重/毛重 Peso Neto / Peso bruto | 2.0 KG |
| Country of Origin 產地País de origen | Korea 韓國Corea |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | EN/ IEC 60598-1;EN/IEC 60598-2-1;EN/IEC 62471 (RG1);EN/IEC 62493;EN/IEC 62031;IEC TR 62778; IEC62262; IEC62722-1; IEC 62722-2-1 RoHS CIBSE TM5 or IES TM21-L70 EN 55015; EN/IEC 61547 ;EN/IEC 61000-3-2; EN/IEC 61347-1;EN/IEC 61347-2-13;EN/ IEC 62384 |
| Certification-認證-Certificación |          |

WEK








L280XH260xD125mm 18~36W



HOUSING: Cast aluminum, Stainless steel screws, Silicon seal gaskets, and White crystal glass diffuser with pattern
FINISH: Texture dark gray, silver or white powder coating finish
LED MODULE: SMD LED CRI>80 LM-80 performance approval >50,000 hours
Super performance in light distribution and optimum lighting quality
APPLICATIONS: schools, public buildings etc.

DOWN WALL LIGHT

Technical Data

| | |
|---|---|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | L280XH260xD125mm |
| Power Consumption Max-燈具功率 Consumo de energía Max | • 18W • 36W |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% EFFICIENCY (Typ.): >85% MAX. No. of PSUs on 16A CIRCUIT BREAKER: 25 units (circuit breaker of type B) / 40 units (circuit breaker of type C at 230VAC) |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | Asymmetric |
| Light Source Brand-光源品牌-Fuente de luz de marca | SMD LED- (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 3000K / 4000K / 5700K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SCDM 標準偏差配色 < 3 SCDM Coincidencia de color estándar Desviación |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 50 Lm/w(3000K), 60 Lm/w(4000K), 70 Lm/w(5700K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 100 Lm/w(3000K), 105 Lm/w(4000K), 120 Lm/w(5700K), |
| Housing materials-外殼材料 Materiales de la carcasa | Cast aluminum , White crystal glass diffuser with pattern Stainless steel screws, Silicon seal gaskets 壓鑄鋁, 白色水晶玻璃帶圖案擴散器, 不銹鋼螺釘, 硅膠密封墊圈 Aluminio fundido, difusor de cristal blanco con patrón Tornillos de acero inoxidable, juntas de silicona |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating : Texture dark gray and silver 砂深灰色和砂銀色 Textura gris oscuro y plata |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Outdoor |
| Net Weight /Gross Weight 淨重/毛重 Peso Neto / Peso bruto | 3.4 KG |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-1/ Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |        |

WEER

D150XL225xH105mm 8W



HOUSING: Cast aluminum, Stainless steel screws, Silicon seal gaskets, and White crystal glass diffuser with pattern

FINISH: Texture dark gray, silver or white powder coating finish









LED MODULE: SMD LED CRI>80 LM-80 performance approval >50,000 hours

Super performance in light distribution and optimum lighting quality

APPLICATIONS: schools, public buildings etc.

DOWN WALL LIGHT

Technical Data

| | |
|---|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | DIA 150 X L 225 x H:60mm |
| Power Consumption Max-燈具功率 Consumo de energía Max | 8W |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60HZ or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% EFFICIENCY (Typ.): >85% MAX. No. of PSUs on 16A CIRCUIT BREAKER: 25 units (circuit breaker of type B) / 40 units (circuit breaker of type C at 230VAC) |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali/ DMX 512 / RDM / ZIGBEE WIRELESS CONTROL |
| Beam Angle 光束角 ángulo de haz | 180° |
| Light Source Brand-光源品牌-Fuente de luz de marca | SMD LED- (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 3000K / 4000K/ 5700K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SCDM 標準偏差配色 < 3 SCDM Coincidencia de color estándar Desviación |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 50 Lm/w(3000K), 60 Lm/w(4000K), 70 Lm/w(5700K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 100 Lm/w(3000K), 105 Lm/w(4000K), 120 Lm/w(5700K), |
| Housing materials-外殼材料 Materiales de la carcasa | Cast aluminum , White crystal glass diffuser Stainless steel screws, Silicon seal gaskets 壓鑄鋁, 白色水晶玻璃擴散器, 不銹鋼螺釘, 硅膠密封墊圈 Aluminio fundido, difusor de cristal blanco, tornillos de acero inoxidable, juntas de silicona |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating : Texture dark gray and silver 砂深灰色和砂銀色 Textura gris oscuro y plata |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Outdoor |
| Net Weight /Gross Weight 淨重/毛重 pPeso Neto / Peso bruto | 1.8 KG |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-1/ Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |         |

WEGEY

L200XW200xD120mm 20W



ARCHITECTURAL WALL LIGHT

Housing: Die Cast aluminium housing with corrosion -resistance powder coating and die-cast aluminium cover.








Anti-glare and high purity anodized aluminum reflector to distribute comfortable light

Tempered and safe glass and Stainless Steel Screw and Anti-aging Gasket

Ingress Protection: IP66 and Mech impact protection: IK08

DOWN WALL LIGHT

Technical Data

| Luminaire Type-安裝方式-Tipo de luminaria | Surface Mounted Type明裝式燈具Superficie Tipo Montado |
|---|---|
| Dimension-尺寸-Dimensión | 200 (180) x 200 x D:120mm Trapezoid type |
| Power Consumption Max-燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 8W • 12W • 14W • 20W |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF \geq 0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali/ DMX 512 / RDM / ZIGBEE WIRELESS CONTROL |
| Beam Angle 光束角 ángulo de haz | Asymmetric |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE LED- (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 3000K / 4000K/ 5700K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SCDM 標準偏差配色< 3 SCDM Coincidencia de color estándar Desviación |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 80 Lm/w(3000K), 90 Lm/w(4000K), 100 Lm/w(5700K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 120 Lm/w(3000K), 125 Lm/w(4000K), 140 Lm/w(5700K), |
| Housing materials-外殼材料 Materiales de la carcasa | Cast aluminum , White crystal glass diffuser Stainless steel screws, Silicon seal gaskets 壓鑄鋁, 白色水晶玻璃擴散器, 不銹鋼螺釘, 硅膠密封墊圈 Aluminio fundido, difusor de cristal blanco, tornillos de acero inoxidable, juntas de silicona |
| Housing Color 外殼顏色 color de la carcasa | corrosion -resistance powder coating 耐腐蝕粉末塗料recubrimiento en polvo resistente a la corrosión: Texture dark gray and silver 砂深灰色和砂銀色 Textura gris oscuro y plata |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 IEC 62262 |
| Net Weight /Gross Weight淨重/毛重 Peso Neto / Peso bruto | 2.0KG |
| Country of Origin 產地País de origen | Korea 韓國Corea |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | EN/ IEC 60598-1;EN/IEC 60598-2-1;EN/IEC 62471 (RG1) ;EN/IEC 62493;EN/IEC 62031;IEC TR 62778; IEC62262; IEC62722-1; IEC 62722-2-1 RoHS CIBSE TM5 or IES TM21-L70 EN 55015; EN/IEC 61547 ;EN/IEC 61000-3-2; EN/IEC 61347-1;EN/IEC 61347-2-13;EN/ IEC 62384 |
| Certification-認證-Certificación |        |

OUTDOOR WALL LIGHT



WEGRY

D60x155mm 2x5W Max IP66



LED OUTDOOR WALL MOUNTED UP AND DOWN LIGHT.

Housing: Extrusion aluminium housing with corrosion-resistance powder coating and die-cast aluminium cover.

Anti-glare and high purity anodized aluminum reflector to distribute comfortable light

Tempered and safe glass and Screw-Less installation








Ingress Protection: IP66 and Mech impact protection: IK08

LED module: high-power CREE LEDs Array, CRI>80, LM-80 performance approval >50,000 hours.

Integrated-Type ELV , 0-10V, DALI, DMX and RDM LED constant current control gear

UP AND DOWN WALL LIGHT

Technical Data

| | |
|---|--|
| Luminaire Type-安裝方式-Tipo de luminaria | Wall Mounted Type-壁掛式燈具-Tipo montado en la pared |
| Dimension-尺寸-Dimensión | DIA: 60 x H: 155 mm (W:105mm with Mounting Bracket) |
| QTY of LEDs-燈珠數量-CANT de LEDs | <ul style="list-style-type: none"> • 1 pcs CREE LED COB Array for Up or Down Light • 2 pcs CREE LED COB Array for Up and Down Light |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 5W (1 x 5W) Up or Down Light • 7W (1 x 7W) Up or Down Light • 10W (2 x 5W) Up and Down Light |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Remoted Dali Dimming Driver AC100-240V 50/60HZ 5. Remoted DMX Driver AC100-240V 50/60HZ 6. Remoted RDM Driver AC100-240V 50/60HZ 7. Remoted Emergency Backup >2 hours or >3 hours 應急電池/Copia de seguridad de emergencia |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | • 15° 24° 38° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| Photobiological safety-IEC 62471 / of Luminaire 光生物安全檢驗(IEC/EN 62471) 結果: Seguridad fotobiológica-IEC 62471 | <ul style="list-style-type: none"> • Risk Group 1 (RG1) • 1 類危險 (低危) • Grupo de riesgo 1 |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • > 80 • > 90 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 70 Lm/w(2700K), 70 Lm/w(3000K), 75 Lm/w(4000K), • 80 Lm/w(5000K), 80 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 120 Lm/w(2700K), 120 Lm/w(3000K), 125 Lm/w(4000K), • 130 Lm/w(5000K), 130 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum & Clear Tempered glass lampshade 壓鑄鋁和透明鋼化玻璃燈罩 Pantalla de aluminio fundido a presión y vidrio templado transparente |
| Housing Color外殼顏色 color de la carcasa | UV resistant Powder Coating :Matte Black RAL 9005 / Matte White RAL 9003 / Matte GrayRAL 9006 抗紫外線粉末塗料: 啞光黑色燈身 RAL 9005 / 啞光白色燈身 RAL9003 / 啞光灰色燈身 RAL 9006 Resistente a los rayos UV Recubrimiento en Polvo: Matte Black RAL 9005 / Matte Blanco RAL 9003 / Gris Mate RAL 9006 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaries: EN 60598-1;EN 60598-2-1; IEC TR62778 IEC62471 ; IEC 62031; RoHS LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; IEC/EN 61000-3-3;IEC/EN61574;EN 55015 |
| Certification-認證-Certificación |        |

WALENA








D200mm 100W Max IP65



LED OUTDOOR WALL MOUNTED UP AND DOWN LIGHT. Housing: die-cast aluminium, powder-coated, designed as heat sink. Anti-glare reflector and diffuser system made of 8mm thickness tempered glass. LED module: high-power CREE LEDs Array, CRI>80, LM-80 performance approval >50,000 hours. Integrated-Type ELV , 0-10V, DALI, DMX and RDM LED constant current control gear. Ingress protection: IP65.

UP AND DOWN WALL LIGHT

Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | <ul style="list-style-type: none"> • DIA: 200 x H: 200 mm W:70mm with Mounting Bracket • DIA: 200 x H: 300 mm W:70mm with Mounting Bracket • DIA: 200 x H: 400 mm W:70mm with Mounting Bracket • DIA: 200 x H: 600 mm W:70mm with Mounting Bracket |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1 pcs or 2 pcs CREE LED Array |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 1 x 20 W • 1 x 25 W • 1 x 30 W • 1 x 60 W • 2 x 20 W • 2 x 25 W • 2 x 30 W • 2 x 50 W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF>0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% EFFICIENCY (Typ.): >85% MAX. No. of PSUs on 16A CIRCUIT BREAKER: 25 units (circuit breaker of type B) / 40 units (circuit breaker of type C at 230VAC) |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | <ul style="list-style-type: none"> • 24° • 36° • 60° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 80 Lm/w(2700K), • 80 Lm/w(3000K), • 85 Lm/w(4000K), • 90 Lm/w(5000K), • 90 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 100 Lm/w(2700K), • 100 Lm/w(3000K), • 105 Lm/w(4000K), • 110 Lm/w(5000K), • 110 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum and tempered glass 壓鑄鋁和鋼化玻璃 Fundición de aluminio y vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating :Black / White / Gray 粉末塗料: 黑色燈身 / 白色燈身 / 灰色燈身 Recubrimiento en Polvo: Negro / Blanco / Gris |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Outdoor |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |        |



WATERY

5W Max IP66



ARCHITECTURAL WALL LIGHT. Housing: die-cast aluminium, powder-coated, designed as heat sink and ABS plastic recessed housing, stainless steel screws. Anti-glare reflector and diffusor system made of frosted tempered glass. LED module: CREE CRI>80 LM-80 performance approval >50,000 hours. Well balance light distribution and optimum lighting quality. Applications: schools, public buildings, etc. It's as well a great alternative to urban furniture due to its IP66 protection rating.

OUTDOOR RECESSED WALL LIGHT

Technical Data

Luminaire Type-安裝方式-Tipo de luminaria

Recessed Wall Light Type 嵌入式燈具 Tipo de Recessed

| | |
|--|--|
| Dimension-尺寸-Dimensión | W:115 x L:115 x D: 37 mm |
| Input Voltage-輸入電壓-Voltaje de entrada | • AC220-240V 50/60HZ • DC24V |
| Power Consumption Max-燈具功率 Consumo de energía Max | 5W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. DALI Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / DALI / DMX 512 |
| Beam Angle-光束角-ángulo de haz | Asymmetric |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy燈具效率 La eficacia de la luminaria | • 60 Lm/w(2700K), 60 Lm/w(3000K), 65 Lm/w(4000K), • 70 Lm/w(5000K), 70 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 120 Lm/w(2700K), 120 Lm/w(3000K), 125 Lm/w(4000K), • 130 Lm/w(5000K), 130 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminium and Glass 壓鑄鋁和玻璃 Die fundición de aluminio y Vidrio |
| Housing Color外殼顏色 color de la carcasa | Dark Gray 深灰色 Dark Gray |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Outdoor |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |

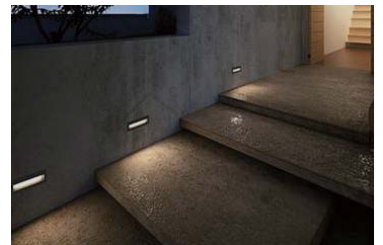
Certification-認證-Certificación



OUTDOOR RECESSED WALL LIGHT

WIDGE






9W Max IP65



ARCHITECTURAL WALL LIGHT. Housing: die-cast aluminium, powder-coated, designed as heat sink and ABS plastic recessed housing, stainless steel screws. Anti-glare reflector and diffusor system made of frosted tempered glass. LED module: CREE CRI>80 LM-80 performance approval >50,000 hours. Well balance light distribution and optimum lighting quality. Applications: schools, public buildings, etc. It's as well a great alternative to urban furniture due to its IP65 protection rating.

OUTDOOR RECESSED WALL LIGHT

Technical Data

| | |
|--|---|
| Luminaire Type- 安裝方式 Tipo de luminaria | Recessed Wall Light Type 嵌入式燈具 Tipo de Recessed |
| Dimension-尺寸-Dimensión | W:76 x L:226 x D: 53 mm |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energia Max | 7.8W 9.0W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| LED Driver Features 驅動特性 Funciones del controlador de LED | EFFICIENCY (Typ.): >80% |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | Asymmetric |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 60 Lm/w(2700K), • 60 Lm/w(3000K), • 65 Lm/w(4000K), • 70 Lm/w(5000K), • 70 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 100 Lm/w(2700K), • 100 Lm/w(3000K), • 105 Lm/w(4000K), • 120 Lm/w(5000K), • 120 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminium and Glass 壓鑄鋁和玻璃 Die fundición de aluminio y Vidrio |
| Housing Color 外殼顏色 color de la carcasa | Dark Gray 深灰色 Dark Gray |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) |
| Environment-使用環境-medio ambiente | Outdoor |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de función ambiente | -30 °C / +50 °C |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |      |

OUTDOOR RECESSED WALL LIGHT



WECC

L190 x H:80 x W:115mm



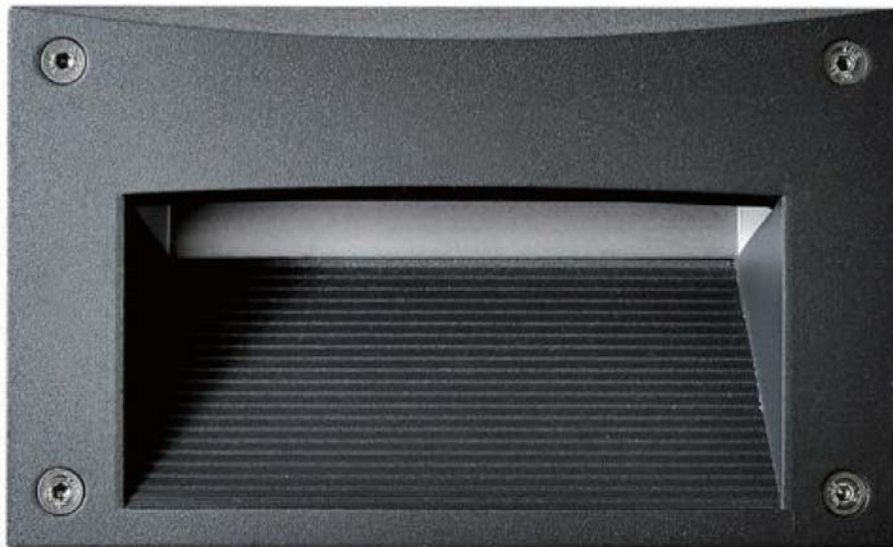
CE

IP65

ZigBee®

DMX








DALI



Housing: die-cast aluminium, powder-coated, designed as heat sink and stainless steel recessed housing. Anti-glare reflector and diffusor system made of Clear tempered glass. LED module: SMD LEDS CRI>80 LM-80 performance approve >50,000 hours.Well balance light distribution and optimum lighting quality. Applications:schools,public buildings ,etc.It's as well a great alternative to urban furniture due to its IP65 protection rating.

OUTDOOR RECESSED WALL LIGHT

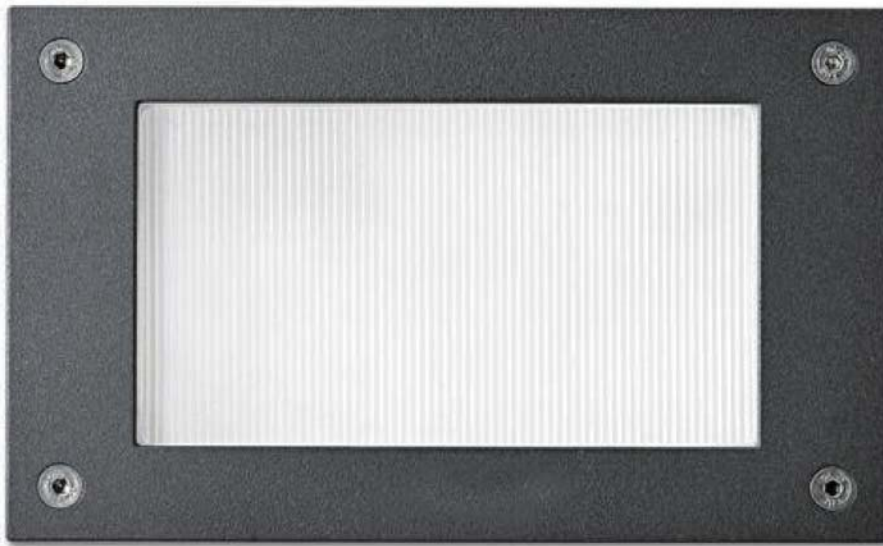
Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Recessed Wall Light Type 嵌入式燈具 Tipo de Recessed |
| Dimension-尺寸-Dimensión | L190 x H:80 x W:115mm (Not including recessed housing) |
| Power Consumption Max-燈具功率 Consumo de energía Max | • 9W • 12W |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60Hz |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup |
| Power Factor / 功率因數/Factor de potencia | PF>0.9 |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD<20% |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Light Source Brand-光源品牌-Fuente de luz de marca | LG |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >50,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K/ 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SCDM 標準偏差配色< 3 SCDM Coincidencia de color estándar Desviación |
| Beam Angle 光束角 ángulo de haz | T1 |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 45lm/w(2700K), • 50lm/w(3000K), • 60lm/w(4000K), • 70lm/w(5000K), • 70lm/w(6500K) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 100lm/w(2700K), • 100lm/w(3000K), • 105m/w(4000K), • 120lm/w(5000K), • 120lm/w(6500K) |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum\ stainless steel recessed housing and clear tempered glass 壓鑄鋁\不鏽鋼預埋件和透明鋼化玻璃 Aluminio fundido a presión\ Carcasa de acero inoxidable empotrado y claro vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating :Matte White body--粉末塗料：啞光白色燈身--Recubrimiento en Polvo: Cuerpo blanco mate Powder Coating :Dark Gray Cover--粉末塗料：深灰面蓋--Recubrimiento en Polvo: Cubierta gris oscuro Powder Coating :Sliver Gray Cover--粉末塗料：銀灰面蓋--Recubrimiento en Polvo: Cubierta gris de la astilla |
| Ingress Protection-防護等級 Protección de ingreso | IP65 |
| Net Weight 淨重 Peso Neto | 1.2kg |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +60 °C / -4 °F / +124 °F |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaries: LVD: IEC/EN 60598-1;EN / IEC/EN 60598-2-2;IEC62471;IEC/EN 62031; IEC/EN 62493; IEC/EN 62471 (Risk Group 1) • LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; • IEC/EN 61000-3-3;IEC/EN61574;EN 55015; IEC /EN 62384 |
| Environment-使用環境-medio ambiente | Outdoor |
| Certification-認證-Certificación |        |

OUTDOOR RECESSED WALL LIGHT

WEAU





L190 x H:115 x W:75mm



Housing: die-cast aluminium, powder-coated, stainless steel recessed housing, designed as heat sink. Anti-glare reflector and diffuser system made of tempered glass. LED module: SMD LEDs CRI>80 LM-80 performance approve >50,000 hours. Well balance light distribution and optimum lighting quality. Applications: schools, public buildings, etc.

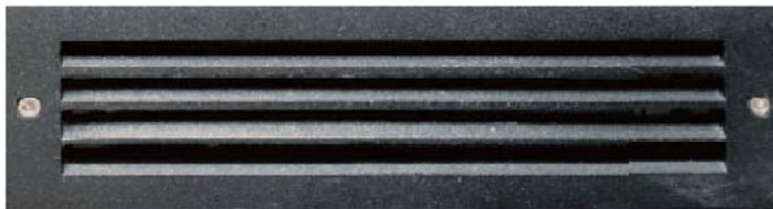
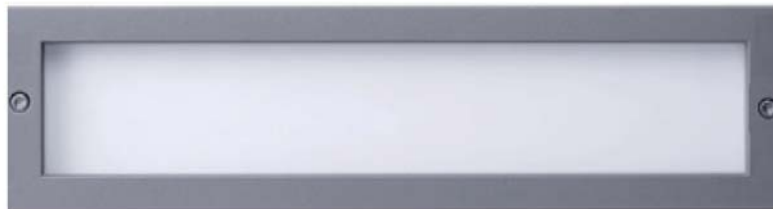
OUTDOOR RECESSED WALL LIGHT

Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Recessed Wall Light Type 嵌入式燈具 Tipo de Recessed |
| Dimension-尺寸-Dimensión | L190 x H:115 x W:75mm |
| Recessed housing size 預埋件尺寸 Tamaño de carcasa empotrable | L182 x H:107 x W:90mm |
| Power Consumption Max-燈具功率 Consumo de energía Max | 8W |
| Input Voltage-輸入電壓-Voltaje de entrada | AC220-240V 50/60Hz |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ |
| Light Source Brand-光源品牌-Fuente de luz de marca | DIMON SMD |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >50,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SCDM 標準偏差配色 < 3 SCDM Coincidencia de color estándar Desviación |
| Beam Angle 光束角 ángulo de haz | 120° |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 40lm/w(2700K), 40lm/w(3000K), 45lm/w(4000K), 50lm/w(5000K), 55lm/w(6500K) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 100lm/w(2700K), 100lm/w(3000K), 105m/w(4000K), 120lm/w(5000K), 120lm/w(6500K) |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum\ stainless steel recessed housing and frosted tempered glass 壓鑄鋁\不鏽鋼預埋件和磨砂鋼化玻璃 Aluminio fundido a presión\ Carcasa de acero inoxidable empotrado y vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating :Matte White body--粉末塗料：啞光白色燈身--Recubrimiento en Polvo: Cuerpo blanco mate Powder Coating :Dark Gray Cover--粉末塗料：深灰面蓋--Recubrimiento en Polvo: Cubierta gris oscuro Powder Coating :Sliver Gray Cover--粉末塗料：銀灰面蓋--Recubrimiento en Polvo: Cubierta gris de la astilla |
| Ingress Protection-防護等級 Protección de ingreso | IP65 |
| Net Weight 淨重 Peso Neto | 1.1kg |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +60 °C / -4 °F / +124 °F |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Environment-使用環境-medio ambiente | Outdoor |
| Certification-認證-Certificación |     |







WEENTH

10W Max IP65



ARCHITECTURAL WALL LIGHT. Housing: die-cast aluminium with UV resistant powder coating ,Fire resistant silicone seal waterproof gasket , toughened Clear glass , Ingress protection: IP65 and Impact strength IK08 .Comply with Hot Wire Testing: 850°C

Technical Data

| | |
|---|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Recessed Wall Light Type 嵌入式燈具 Tipo de Recessed |
| Dimension-尺寸-Dimensión | <ul style="list-style-type: none"> • W:80 x L:185 x D: 100 mm • W:80 x L:230 x D: 100 mm • W:80 x L:260 x D: 100 mm • W:80 x L:320 x D: 100 mm |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60HZ |
| Power Consumption Max-燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 5.5W @ W:80 x L:185 x D: 100 mm • 6.5W @ W:80 x L:230 x D: 100 mm • 7.5W @ W:80 x L:260 x D: 100 mm • 10W @ W:80 x L:320 x D: 100 mm |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60HZ or AC 200-240V 50/60HZ 3. 1-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ |
| Beam Angle 光束角 ángulo de haz | <ul style="list-style-type: none"> • 90° @ Frosted tempered glass • Asymmetric @ Metal Louver |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | <ol style="list-style-type: none"> 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 80Lm/w(2700K), @ Frosted glass cover; 60 Lm/w(2700K),@ Metal frame Cover • 80 Lm/w(3000K), @ Frosted glass cover; 60 Lm/w(3000K),@ Metal frame Cover • 100 Lm/w(4000K), @ Frosted glass cover; 65 Lm/w(4000K),@ Metal frame Cover • 100Lm/w(5000K), @ Frosted glass cover; 70 Lm/w(5000K),@ Metal frame Cover • 100 Lm/w(6500K), @ Frosted glass cover; 70 Lm/w(6500K),@ Metal frame Cover |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 120 Lm/w(2700K), • 120 Lm/w(3000K), • 130 Lm/w(4000K), • 140 Lm/w(5000K), • 140 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminium and Glass 壓鑄鋁和玻璃 Die fundición de aluminio y Vidrio |
| Housing Color 外殼顏色 color de la carcasa | UV resistant powder coating : Gray or Dark Gray 抗紫外線粉末塗料：灰色或深灰色 Recubrimiento en polvo resistente a los rayos UV: gris o gris oscuro |
| Ingress Protection-防護等級 Protección de ingreso | IP65 |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcion amiento | -30 °C / +50 °C |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-2 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |       |

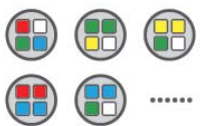
FLORA



11W-125W IP66



6
Multi-**RGBW** method



SPIKE & SPOT LIGHT

Technical Data

Luminaire Type- 安裝方式 Tipo de luminaria Surface Mounted and Adjustable Type / Pole Mounted / Spike Mount 180+360° adjustable 表面安裝和可調節型/桿式安裝/釘式安裝 / 180 + 360° 可調 Montaje en superficie y tipo ajustable / montaje en poste / montaje de punta --180 + 360° ajustable

Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED

| | | | | | | | | | |
|-------------------|-----|-----|-----|-----|------|------|------|--|--|
| • Diameter: 135mm | 11W | 15W | | | | | | | |
| • Diameter: 160mm | 22W | 25W | 27W | 30W | | | | | |
| • Diameter: 190mm | 30W | 40W | 50W | 60W | | | | | |
| • Diameter: 260mm | 60W | 70W | 80W | 90W | 100W | 110W | 120W | | |

Input Voltage / 輸入電壓 Voltaje de entrada 100-240VAC/50-60HZ

Control Protocol/控制協議/Protocolo de Control SW -ON/OFF DMX Dali Control 0-10V Control Zigbee Wireless Control

Power Factor / 功率因數/Factor de potencia PF>0.90

Total Harmonic Distortion/總諧波失/Distorsión armónica total THD < 20%

Light Source Brand-光源品牌-Fuente de luz de marca CREE or OSRAM

"Lumen Maintenance LM-80 Reported by TM-21" L70(10k) > 60,000 hrs

LED Life-LED壽命-La vida del LED >60,000 hours

Color Temperature and Color 色溫和顏色 Temperatura y color del color 2700K 3000K 4000K 5000K 6500K RGBW (3000K / 4000K / 5000K)

Color Rendering Index-顯色指數 Índice de reproducción cromática >80

MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM

Beam Angle/光束角/ángulo de haz Symmetric Angle : 3° 5° 7° 15° 25° 40° 60° 120° 10° x 50° 10° x 35° 20° x 30° Asymmetric Angle : 45° x 150°

Luminaire Efficacy 燈具效率 La eficacia de la luminaria 80 Lm/w(2700K) 90 Lm/w(3000K) 100 Lm/w(4000K) 100 Lm/w(5000K) 140 Lm/w(6500K) 70 Lm/w (RGBW)

LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia 120 Lm/w(2700K) 130 Lm/w(3000K) 140 Lm/w(4000K) 140 Lm/w(5000K) 140 Lm/w(6500K) 110 Lm/w (RGBW)

Housing materials 外殼材料 Materiales de la carcasa Die-Casted Aluminium and Aluminium Alloy and Tempered Glass 壓鑄鋁和鋁合金及鋼化玻璃 Aluminio fundido a presión y aleación de aluminio y vidrio templado de

Housing Color外殼顏色 color de la carcasa Polyester powder coating-matte black (UV and corrosion resistant) 聚酯粉末塗料—啞光黑色 (抗紫外線和抗腐蝕) Polvos de poliéster Revestimiento--Matte Black- UV Resistant powder coating for Anti-corrosion Protection gris plateado - Recubrimiento en polvo resistente a los rayos UV para protección anticorrosión

Ingress Protection-防護等級 Protección de ingreso IP66

Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos IK08

Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento -30 °C / +50 °C

Storage Temperature 儲藏溫度 Temperatura de almacenamiento -40 °C / +70 °C

Operating Humidity -工作濕度 Humedad de funcionamiento 0~90%, non-condensing-不結霜 sin condensación

Dimension尺寸Dimensión Refer to Technical Drawing 請參閱技術圖紙Consulte el dibujo técnico

Net Weight 淨重 Peso Net • 2.0kg @ Diameter: 135mm 3.0kg @ Diameter: 160mm • 4.1kg @ Diameter: 190mm 6.0kg @ Diameter: 260mm

Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento LED Luminaries: IEC 60598-1;IEC 60598-2-5;RoHS LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; IEC/EN 61000-3-3;IEC/EN61574;EN 55015

Certification-認證-Certificación       



SPIKE & SPOT LIGHT



FAIT

40W & 60W Narrow Beam



Optic for 15°

Optic for Narrow Spot

Shield mounted



Logo detail

Hinge
120° tilt





Mounting Plate
170° rotation

Rear detail



LED FLOOD LIGHT. Housing: die-cast aluminium, powder-coated, Anti-glare reflector and diffusor system made of tempered glass. The head is adjustable up to 170 degrees, LED module: high-power CREE LEDs Array, CRI>80, LM-80 performance approval >50,000 hours. Integrated-Type ELV, 0-10V, DALI, and Zigbee LED constant current control gear. Ingress protection: IP65

Technical Data

| | |
|--|---|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Spike and Surface Mounted Type (Hinge : 120°tilt Mounting Plate : 170°rotation) 插地 或明裝 (120° 傾斜安裝: 170° 旋轉) Tipo de montaje en superficie y espiga (bisagra: placa de montaje inclinable 120 °: rotación 170 °) |
| Dimension-尺寸-Dimensión | DIA:175 x L: 220 x H: 300 mm |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1 pcs CREE LED Array |
| Input Voltage-輸入電壓-Voltaje de entrada | AC100-240V 50/60Hz |
| Power Consumption Max-燈具功率 Consumo de energía Max | • 40W (YOUNGKONG 6410) • 60W (YOUNGKONG 6411) |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60Hz 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60Hz 3. 0-10V Dimming Driver AC100-240V 50/60Hz 4. Dali Dimming Driver AC100-240V 50/60Hz 5. ZIGBEE Dimming Driver AC100-240V 50/60Hz |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF>0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% EFFICIENCY (Typ.): >90% |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | • 5° (Narrow Spot) 15° 20° 36° 68° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 100 Lm/w(2700K), • 100 Lm/w(3000K), • 110 Lm/w(4000K), • 120 Lm/w(5000K), • 120 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 120 Lm/w(2700K), • 120 Lm/w(3000K), • 130 Lm/w(4000K), • 140 Lm/w(5000K), • 140 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-cast aluminum and tempered glass 壓鑄鋁和鋼化玻璃 Fundición de aluminio y vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | Powder Coating : Texture dark gray and silver 砂深灰色和砂銀色 Textura gris oscuro y plata |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -25 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection-防護等級 Protección de ingreso | IP65 |
| Country of Origin 產地 País de origen | Korea 韩国 |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: EN 60598-1 / EN 60598-2-5 / EN 62471 / EN 62493 / EN 62031 LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |     |











F-SPAMY

8W-50W IP66



LED Flood Light IP66. The fixture coated with electrophoresis and powder for excellent anti-corrosion performance. Die-cast aluminium with safety glass. Galvanized steel plate. Surface anti-ageing electrostatic spray processing, super resistance to corrosion. Advanced Integrated Pole System for Landscape design

Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted and Adjustable Type / Pole Mounted / Spike Mount 表面安裝和可調節型/桿式安裝/釘式安裝 Montaje en superficie y tipo ajustable / montaje en poste / montaje de punta |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | <ul style="list-style-type: none"> • Diameter: 82mm 8W 10W 12W • Diameter: 108mm 12W 15W 20W *30W (RGBW DMX Control Only) • Diameter: 147mm 26W 30W 35W 40W 45W 50W |
| QTY of LEDs-燈珠數量-CANT de LEDs | <ul style="list-style-type: none"> • Diameter: 82 mm 1 pcs CREE COB LED in White or RGBW Color • Diameter: 108 mm 1 pcs CREE COB LED in White or OSRAM RGBW Color or Multi LEDs (3pcs) in White • Diameter: 147 mm 1 pcs CREE COB LED or Multi LEDs (15pcs) in White or 5 pcs CREE LED in RGBW Color |
| Input Voltage / 輸入電壓 Voltaje de entrada | 100-240VAC/50-60HZ |
| Control Protocol/控制協議/Protocolo de Control | <ul style="list-style-type: none"> • SW -ON/OFF Dali Control 0-10V Control • DMX Zigbee Wireless Control |
| Power Factor / 功率因數/Factor de potencia | PF>0.90 |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD<20% |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE or OSRAM |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70(10k) > 60,000 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature and Color 色溫 and 顏色 Temperatura y color del color | • 2700K 3000K 4000K 5000K 6500K RGBW (3000K / 4000K / 5000K) |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle/光束角/ángulo de haz | <ul style="list-style-type: none"> • COB LED Beam Angle : 12° 16° 24° 38° 45° 50° 60° • Multi-LEDs Beam Angle : 5° 8° 30° 10° x 50° |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 80 Lm/w(2700K) 90 Lm/w(3000K) 100 Lm/w(4000K) • 100 Lm/w(5000K) 140 Lm/w(6500K) 70 Lm/w (RGBW) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 120 Lm/w(2700K) 130 Lm/w(3000K) 140 Lm/w(4000K) • 140 Lm/w(5000K) 140 Lm/w(6500K) 110 Lm/w (RGBW) |
| Housing materials 外殼材料 Materiales de la carcasa | <ul style="list-style-type: none"> • Die-Casted Aluminium and Aluminium Alloy and Tempered Glass • 壓鑄鋁和鋁合金及鋼化玻璃 • Aluminio fundido a presión y aleación de aluminio y vidrio templado de |
| Housing Color外殼顏色 color de la carcasa | <ul style="list-style-type: none"> • Powder Coated in Silver Grey- UV Resistant powder coating for Anti-corrosion Protection • 銀灰色粉末塗料 (抗紫外線和抗腐蝕) • Recubrimiento en polvo en gris plateado - Recubrimiento en polvo resistente a los rayos UV para protección anticorrosión |
| Ingress Protection-防護等級 Protección de ingreso | IP66 |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Storage Temperature 儲藏溫度 Temperatura de almacenamiento | -40 °C / +70 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Dimension尺寸Dimensión | Refer to Technical Drawing 請參閱技術圖紙/Consulte el dibujo técnico |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaries: IEC 60598-1; IEC 60598-2-5; RoHS LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; IEC/EN 61000-3-3; IEC/EN 61574; EN 55015 |
| Certification-認證-Certificación |         |

F-COMA







20W-125W IP66



LED Flood Light IP66. The fixture coated with electrophoresis and powder for excellent anti-corrosion performance. Die-cast aluminium with safety glass. Galvanized steel plate. Surface anti-ageing electrostatic spray processing, super resistance to corrosion. Advanced Integrated Pole System for Landscape design

SPOT WITH POLE SYSTEM

Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted and Adjustable Type / Pole Mounted / Spike Mount 表面安裝和可調節型/桿式安裝/釘式安裝 Montaje en superficie y tipo ajustable / montaje en poste / montaje de punta |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | <ul style="list-style-type: none"> • 20W @ DIA 150 mm • 22W @ DIA 180 mm • 30W @ DIA 180 mm • 45W @ DIA 210 mm • 75W @ DIA 260 mm • 125W @ DIA 320 mm |
| QTY of LEDs-燈珠數量-CANT de LEDs | <ul style="list-style-type: none"> • 4 pcs @ 20W @ DIA 150 mm • 6 pcs @ 22W @ DIA 180 mm • 6 pcs @ 30W @ DIA 180 mm • 9 pcs @ 45W @ DIA 210 mm • 16pcs @ 75W @ DIA 260 mm • 25 pcs @ 125W @ DIA 320 mm |
| Input Voltage / 輸入電壓 Voltaje de entrada | 100-240VAC/50-60HZ |
| Control Protocol/控制協議/Protocolo de Control | 0-10V / Dali |
| Power Factor / 功率因數/Factor de potencia | PF>0.90 |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD<20% |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | <ol style="list-style-type: none"> 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >50,000 hours |
| Color Temperature and Color 色溫 and 顏色 Temperatura y color del color | <ul style="list-style-type: none"> • 2700K • 3000K • 4000K • 5000K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle/光東角/ángulo de haz | <ul style="list-style-type: none"> • 5° • 12° • 20° • 30° • 60° • 10°x70° • 5°x20° |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 80 Lm/w (2700K) • 90 Lm/w (3000K) • 100 Lm/w (4000K) • 100 Lm/w (5000K) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 100 Lm/w (2700K) • 110 Lm/w (3000K) • 120 Lm/w (4000K) • 120 Lm/w (5000K) |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and Safety glass 壓鑄鋁和安全玻璃 Aluminio fundido y vidrio de seguridad. |
| Housing Color 外殼顏色 color de la carcasa | <ul style="list-style-type: none"> • Matte Silver • 啞光銀 • Plata mate |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Storage Temperature 儲藏溫度 Temperatura de almacenamiento | -40 °C / +70 °C |
| Operating Humidity-工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Dimension 尺寸/Dimensión | Refer to Technical Drawing 請參閱技術圖紙/Consulte el dibujo técnico |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaries: IEC 60598-1;IEC 60598-2-1;IEC62471;RoHS LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; IEC/EN 61000-3-3;IEC/EN61574;EN 55015 LED Module: IEC/EN 62031;IEC/EN 60838-2;IEC/EN 62471;LM-80-08:TM-21 |
| Certification-認證-Certificación |       |

BOLLARD










BOUSA

Dia 140 & 200mm



LED BOLLARDS LIGHT IP65. This luminaire is one of the modern bollard types. The body is made of extruded and die-cast aluminum. The light is distributed through aluminum reflector and White silk screen tempered glass. with stainless steel screws and fire resistant silicon seal gaskets.. The high efficient LED technology has been introduced into this bollard luminaire, thus guaranteeing a high degree of efficiency and optimal visual comfort. Designers or architects can easily apply this luminaire at various locations.

Technical Data

| | |
|--|--|
| Luminaire Type-安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | Refer to Technical Drawing 請參閱技術圖紙 Consulte el dibujo técnico |
| Power Consumption Max-燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 8W @ Dia 140mm 10W @ Dia 140mm 12W @ Dia 140mm • 15W @ Dia 200mm 18W @ Dia 200mm 20W @ Dia 200mm • 24W @ Dia 200mm 26W @ Dia 200mm 30W @ Dia 200mm |
| Input Voltage-輸入電壓-Voltaje de entrada | AC 100-240V 50/60Hz |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED <ul style="list-style-type: none"> 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ |
| LED Driver Features驅動特性 Funciones del controlador de LED | POWER FACTOR : PF _l 0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle光束角ángulo de haz | 130° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70(10k) > 60,000 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • >80 • >90 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy燈具效率La eficacia de la luminaria | <ul style="list-style-type: none"> • 80Lm/w(2700K), 80 Lm/w(3000K), 90 Lm/w(4000K), • 100 Lm/w(5000K), 100 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 120Lm/w(2700K), 120 Lm/w(3000K), 130Lm/w(4000K), • 140 Lm/w(5000K), 140 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Aluminium and Tempered glass 鋁和鋼化玻璃 Aluminio y vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | <ul style="list-style-type: none"> • Dark Black 深黑色 Negro oscuro • Grey 灰色 Gris |
| Ingress Protection-防護等級 Protección de ingreso | IP65 |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK10 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-1 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |        |



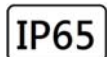



BOMOLY

D230 x H 250 & 600 & 800 mm



LED BOLLARDS LIGHT. This luminaire is one of the modern bollard types. The body is made of ADC12 corrosion-resistant aluminum housing and mounting base; Extruded aluminum lamp pole; 316 stainless steel external fasten screws; 4mm transparent anti-UV PMMA diffuser; Double layers of DOPONT UV-resistant polyester powder coating.

Technical Data

| | |
|--|--|
| Luminaire Type-安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | <ul style="list-style-type: none"> • DIA 230 x H: 250 mm • DIA 230 x H: 600 mm • DIA 230 x H: 800 mm |
| Power Consumption Max-燈具功率 Consumo de energía Max | 10W 15W 20W 23W 26W 30W |
| Input Voltage-輸入電壓-Voltaje de entrada | AC 220-240V 50/60Hz |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle-光束角ángulo de haz | Symmetric |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70(10k) > 60,000 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy-燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 65 Lm/w(2700K), 65 Lm/w(3000K), 70 Lm/w(4000K), • 75 Lm/w(5000K), 75 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 120 Lm/w(2700K), 120 Lm/w(3000K), 130 Lm/w(4000K), • 140 Lm/w(5000K), 140 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Die-Casted Aluminium and Transparent Anti UV- PMMA Diffuser 壓鑄鋁和透明防紫外線PMMA擴散器 Aluminio fundido a presión y difusor transparente anti UV-PMMA |
| Housing Color 外殼顏色 color de la carcasa | UV resistant Powder Coating/抗紫外線粉末塗料/Resistente a los rayos UV Recubrimiento en Polvo: <ul style="list-style-type: none"> • Dark Black 深黑色 Negro oscuro • Grey 灰色 Gris |
| Ingress Protection-防護等級 Protección de ingreso | IP65 |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK07 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-1 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |       |

BOUTRY

W120xL200xH300 & 800 mm 8W IP65



LED BOLLARDS LIGHT IP65. This luminaire is one of the modern bollard types. The body is made of extruded and die-cast aluminum, tempered glass diffuser, silicone rubber gasket, graphene powder coating finish. The high efficient LED technology has been introduced into this bollard luminaire, thus guaranteeing a high degree of efficiency and optimal visual comfort, LED module: CREE LEDs Array. Designers or architects can easily apply this luminaire at various locations.

Technical Data

| | |
|--|--|
| Luminaire Type-安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | <ul style="list-style-type: none"> • W:120 x L: 200 x H: 300 mm • W:120 x L: 200 x H: 800 mm |
| Power Consumption Max-燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 6W • 8W |
| Input Voltage-輸入電壓-Voltaje de entrada | AC 220-240V 50/60Hz |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle光束角ángulo de haz | Symmetric 120° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70(10k) > 60,000 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy燈具效率La eficacia de la luminaria | <ul style="list-style-type: none"> • 65 Lm/w(2700K), 65 Lm/w(3000K), 70 Lm/w(4000K), • 75 Lm/w(5000K), 75 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 120 Lm/w(2700K), 120 Lm/w(3000K), 130 Lm/w(4000K), • 140 Lm/w(5000K), 140 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Aluminium and Tempered glass 鋁和鋼化玻璃 Aluminio y vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | <ul style="list-style-type: none"> • Dark Black 深黑色 Negro oscuro • Grey 灰色 Gris |
| Ingress Protection-防護等級 Protección de ingreso | IP65 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-1 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |

Certification-認證-Certificación









BOUK

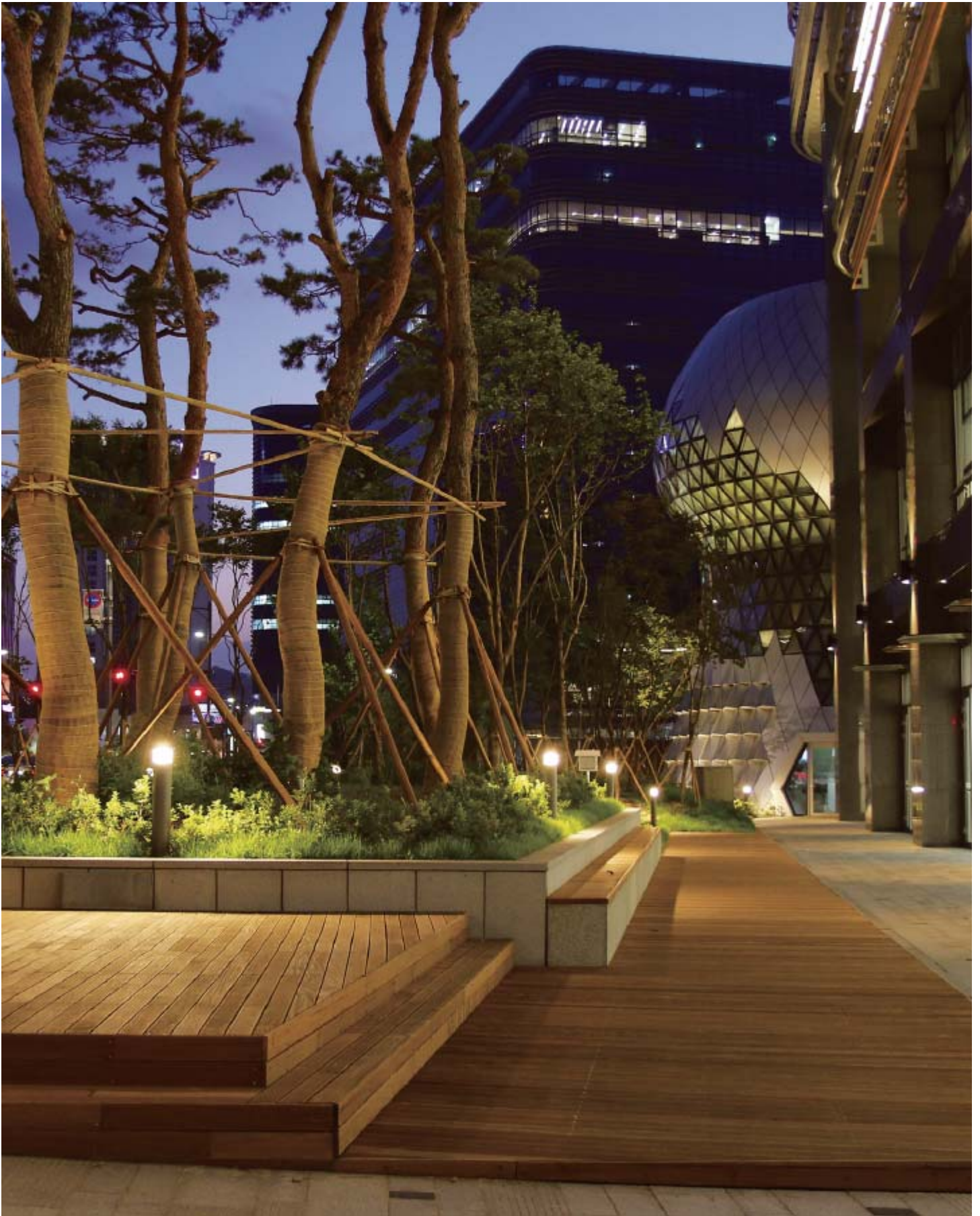
150x150xH: Max 23W



LED BOLLARDS LIGHT IP65. This luminaire is one of the modern bollard types. The body is made of extruded and die-cast aluminum, tempered glass, stainless steel screws and fire resistant silicon seal gaskets. The high efficient LED technology has been introduced into this bollard luminaire, thus guaranteeing a high degree of efficiency and optimal visual comfort. Designers or architects can easily apply this luminaire at various locations.

Technical Data

| | |
|--|---|
| Luminaire Type-安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | Refer to Technical Drawing 請參閱技術圖紙 Consulte el dibujo técnico |
| Power Consumption Max-燈具功率 Consumo de energía Max | • 8W 12W 15W 20W 23W |
| Input Voltage-輸入電壓-Voltaje de entrada | AC 100-240V 50/60Hz |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ |
| LED Driver Features驅動特性 Funciones del controlador de LED | POWER FACTOR : PF0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle光束角ángulo de haz | 130° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70(10k) > 60,000 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 >90 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy燈具效率La eficacia de la luminaria | 80Lm/w(2700K), 80 Lm/w(3000K), 90 Lm/w(4000K), 100 Lm/w(5000K), 100 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 120Lm/w(2700K), 120 Lm/w(3000K), 130Lm/w(4000K), 140 Lm/w(5000K), 140 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Aluminium and Tempered glass 鋁和鋼化玻璃 Aluminio y vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | • Dark Black 深黑色 Negro oscuro • Grey 灰色 Gris |
| Ingress Protection-防護等級 Protección de ingreso | IP65 |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK10 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-1 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |       |










BOYAD

D200 x H900&857&557mm 27W Max IP65



LED BOLLARDS LIGHT IP65. This luminaire is one of the modern bollard types. The body is made of cast aluminum and the light is distributed through aluminum reflector and clear PC diffuser, with stainless steel screws and silicon seal gaskets. Designed for lighting in garden, commercial and residential areas, this luminaire provides wide spread downward illumination in gardens, pathways or squares. The high efficient LED technology has been introduced into this bollard luminaire, thus guaranteeing a high degree of efficiency and optimal visual comfort. Designers or architects can easily apply this luminaire at various locations. This type of luminaire enables easy installation and maintenance. Easily applicable in outdoor lighting plans. Focused on the illumination from the head, a beacon light version is also available.

Technical Data

| | |
|--|---|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | <ul style="list-style-type: none"> • DIA 200 x H: 900 mm • DIA 200 x H: 857 mm • DIA 200 x H: 557 mm |
| Power Consumption Max-燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 12W @ H:557 mm • 26W @ H:857 mm • 27W @ H:900 mm |
| Input Voltage-輸入電壓-Voltaje de entrada | AC 200-240V 50/60Hz |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 220-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF>0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% EFFICIENCY (Typ.): >90% MAX. No. of PSUs on 16A CIRCUIT BREAKER: 25 units (circuit breaker of type B) / 40 units (circuit breaker of type C at 230VAC) |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | 130° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | <ul style="list-style-type: none"> 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 80 Lm/w(2700K), • 80 Lm/w(3000K), • 85 Lm/w(4000K), • 90 Lm/w(5000K), • 90 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 100 Lm/w(2700K), • 100 Lm/w(3000K), • 105 Lm/w(4000K), • 120 Lm/w(5000K), • 120 Lm/w(6500K) |
| Housing materials-外殼材料 Materiales de la carcasa | Aluminium and Clear Polycarbonate 鋁和透明聚碳酸酯 Aluminio y Cristal policarbonato |
| Housing Color 外殼顏色 color de la carcasa | <ul style="list-style-type: none"> • Dark Gray • Silver |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Country of Origin 產地 | PRC 中國 |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-1 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |        |



BOUTH

D220 x H840mm 14W



LED BOLLARDS LIGHT IP65. This luminaire is one of the modern bollard types. The body is made of cast aluminum and the light is distributed through aluminum reflector and clear glass diffuser, with stainless steel screws and silicon seal gaskets. Designed for lighting in garden, commercial and residential areas, this luminaire provides wide spread downward illumination in gardens, pathways or squares. The high efficient LED technology has been introduced into this bollard luminaire, thus guaranteeing a high degree of efficiency and optimal visual comfort. Designers or architects can easily apply this luminaire at various locations. This type of luminaire enables easy installation and maintenance. Easily applicable in outdoor lighting plans. Focused on the illumination from the head, a beacon light version is also available.

BOUTH

D220 x H840mm 14W

Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | DIA 220 x H 840 mm |
| Power Consumption Max-燈具功率 Consumo de energía Max | 14W |
| Input Voltage-輸入電壓-Voltaje de entrada | AC 200-240V 50/60Hz |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 220-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF _{0.90} @ Full Load TOTAL HARMONIC DISTORTION: THD < 20% EFFICIENCY (Typ.): >90% MAX. No. of PSUs on 16A CIRCUIT BREAKER: 25 units (circuit breaker of type B) / 40 units (circuit breaker of type C at 230VAC) |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | 130° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 85 Lm/w(2700K), • 85 Lm/w(3000K), • 90 Lm/w(4000K), • 95 Lm/w(5000K), • 95 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 100 Lm/w(2700K), • 100 Lm/w(3000K), • 105 Lm/w(4000K), • 120 Lm/w(5000K), • 120 Lm/w(6500K) |
| Housing materials-外殼材料 Materiales de la carcasa | Aluminium and Clear crystal glass 鋁和透明水晶玻璃 Aluminio y Cristal transparente |
| Housing Color 外殼顏色 color de la carcasa | • Dark Gray • Silver |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Net Weight 淨重 Peso Neto | 7.4 kg |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-1 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |

Certification-認證-Certificación










BOURG

Dia168xH800&1000mm 25W



LED BOLLARDS Light with symmetrical light distribution. Die-casting aluminum body, extruded aluminum pole. Surface anti-ageing electrostatic spray processing. Remote-Type ELV, 0-10V, DALI, DMX and RDM LED constant current control gear. LM-80 performance approval >50,000 hours. Anti-glare reflector lens system made of optical PMMA. Waterproof design with IP65 protection. For illuminating paths, streets, parking spaces and traffic-calmed areas.

Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | DIA 168x H 800 mm DIA 168x H 1000 mm |
| Power Consumption Max-燈具功率 Consumo de energía Max | 25W |
| Input Voltage-輸入電壓-Voltaje de entrada | AC 100-240V 50/60Hz |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 220-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF _{0.90} @ Full Load TOTAL HARMONIC DISTORTION: THD < 20% EFFICIENCY (Typ.): >90% MAX. No. of PSUs on 16A CIRCUIT BREAKER: 25 units (circuit breaker of type B) / 40 units (circuit breaker of type C at 230VAC) |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | 130° |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 65 Lm/w(2700K), 65 Lm/w(3000K), 70 Lm/w(4000K), 75 Lm/w(5000K), 75 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 100 Lm/w(2700K), 100 Lm/w(3000K), 105 Lm/w(4000K), 120 Lm/w(5000K), 120 Lm/w(6500K) |
| Housing materials-外殼材料 Materiales de la carcasa | Aluminium and PMMA 鋁和PMMA Aluminio y PMMA |
| Housing Color 外殼顏色 color de la carcasa | Matte Black Matte White Dark Gray Customized finishing color |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de función ambiente | -20 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Net Weight /Gross Weight 淨重/毛重 Peso Neto / Peso bruto | 5.0 kg / 5.6 kg @Type A 5.3 kg / 6.0 kg @Type B |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-1 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |       |








BOUSE

L190xW172xH650mm 6-12W



LED BOLLARDS Light with symmetrical light distribution. Die-casting aluminum body, extruded aluminum pole. Surface anti-ageing electrostatic spray processing. Remote-Type ELV, 0-10V, DALI, DMX and RDM LED constant current control gear. LM-80 performance approval >50,000 hours. Anti-glare reflector lens system made of optical PMMA. Waterproof design with IP65 protection. For illuminating paths, streets, parking spaces and traffic-calmed areas. 2W solar plate, by solar and sensor control light output of fixture B.

Technical Data

| | |
|--|---|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | L:190 x W:172 x H:800 mm |
| Power Consumption Max-燈具功率 Consumo de energía Max | 12W@ TYPE A 6W@TYPE B (SOLAR+ SENSOR) |
| Input Voltage-輸入電壓-Voltaje de entrada | AC 100-240V 50/60Hz @ TYPE A |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 220-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. Solar and daynight sensor |
| LED Driver Features 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF10.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% EFFICIENCY (Typ.): >90% MAX. No. of PSUs on 16A CIRCUIT BREAKER: 25 units (circuit breaker of type B) / 40 units (circuit breaker of type C at 230VAC) |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless / Sensor Control |
| Beam Angle 光束角 ángulo de haz | 90° |
| Light Source Brand-光源品牌-Fuente de luz de marca | SMD - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 65 Lm/w(2700K), 65 Lm/w(3000K), 70 Lm/w(4000K), 75 Lm/w(5000K), 75 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 100 Lm/w(2700K), 100 Lm/w(3000K), 105 Lm/w(4000K), 120 Lm/w(5000K), 120 Lm/w(6500K) |
| Housing materials-外殼材料 Materiales de la carcasa | Aluminium and PMMA 鋁和PMMA Aluminio y PMMA |
| Housing Color 外殼顏色 color de la carcasa | Matte Black Matte White Dark Gray Customized finishing color |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Net Weight /Gross Weight 淨重/毛重 Peso Neto / Peso bruto | 3.0 kg / 3.7 kg |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-1 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |        |

GODAVARI

2x30W-2x80W Twin Lantern



The Garden Light GULLOP is finished by Die-cast aluminium with separated and integrated LED Driver Box , with surface anti-ageing electrostatic spray processing,super resistance to corrosion and rotated bracket, Gaskets in anti-aging rubber , 5 mm tempered clear Glass and Heat Resisting Cable. It's as well a great alternative to urban furniture due to its IP66 protection rating and IK08 Impact protection. Adopt modular light distribution Lens and super clear tempered glass. Button design for opening LED driver box for easy power circuit connection. And, It is able to be controlled by ELV, 0-10V,DALI,Zigbee dimming system. LED module: high-power CREE CRI>70 up to 140lm/w . LM-80 performance approve >50,000 hours; Fixing:Top fitting Ø60mm. Twin Lantern Type.

Technical Data

Luminaire Type-
安裝方式
Tipo de luminaria

Dia 60mm Pole Mounted: 3-6m
適合直徑60mm燈杆安裝頂部安裝: 3-6m
Dia 60mm montado en poste: 3-6m

| | | | | |
|--|---|---------------|---|-----------------------------|
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | 2x30W | 2x40W | 2x60W | 2x80W |
| Input Voltage / 輸入電壓 Voltaje de entrada | 100 ~ 240VAC (50~60HZ) | | | |
| Control Protocol/控制協議 Protocolo de Control | SW: ON/OFF Switch Driver DA: Dali Dimming Driver RDM : RDM Dimming Driver MS: Motion Sensor | | AN: 1-10V Dimming Driver DMX: DMX 512 Dimming Driver Zl: ZIGBEE Wireless Control DS: Daylight Sensor | |
| Power Factor / 功率因數/Factor de potencia | PF>0.95 | | | |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD<18% | | | |
| Protection Against Surges/防護措施/PROTECCIÓN CONTRA LAS PROMOCIONES: | Line-Earth:6KV Line-Line:4KV | | | |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE | | | |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70 > 45,000 Hours | | | |
| LED Life-LED壽命-La vida del LED | >50,000 hours | | | |
| Color Temperature 色溫 Temperatura y color | 2700K / 3000K / 4000K/ 5000K/ 6500K | | | |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 | | | |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching 3 SCDM 標準偏差配色 3 SCDM Coincidencia de color estándar Desviación | | | |
| Beam Angle 光束角 ángulo de haz | Symmetric Optical Type :T1 Asymmetric Optical Type :T2 Asymmetric Optical Type :T3 Asymmetric Optical Type :T4 | | | |
| Luminaire Efficacy燈具效率 La eficacia de la luminaria | 100m/w(2700K) | 100m/w(3000K) | 120m/w(4000K) | 130m/w(5000K) 130m/w(6500K) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 130m/w(2700K) | 130m/w(3000K) | 150m/w(4000K) | 160m/w(5000K) 160m/w(6500K) |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and Tempered glass 壓鑄鋁和鋼化玻璃 Aluminio fundido a presión y Vidrio templado | | | |
| Housing Color 外殼顏色 color de la carcasa | Polyester powders Coating (Mat gray RAL 9007/9005). 聚酯粉末塗料(RAL 9007/9005灰色) Polvos de poliéster Revestimiento (Gris mate RAL 9007/9005). | | | |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) | | | |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 | | | |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C | | | |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación | | | |
| Installation Height 安裝高度Altura de montaje | 3-6 M | | | |
| Dimension 尺寸 Dimensión | Dia 490 x H: 130 mm @ Single Lantern | | | |
| Net Weight /Gross Weight 淨重/毛重 Peso Neto / Peso bruto | 7.3kg / 8.5 kg @ Single Lantern | | | |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaries: IEC/EN 60598-1 ; IEC/EN 60598-2-3; IEC TR 62778; IEC 62031 LED Driver: IEC 61347-1; IEC 61347-2-13; EN 55015; IEC 61000-3-2; IEC 61000-3-3; IEC 61547; EN 62384 | | | |

Certification-認證-Certificación












GOLLOP

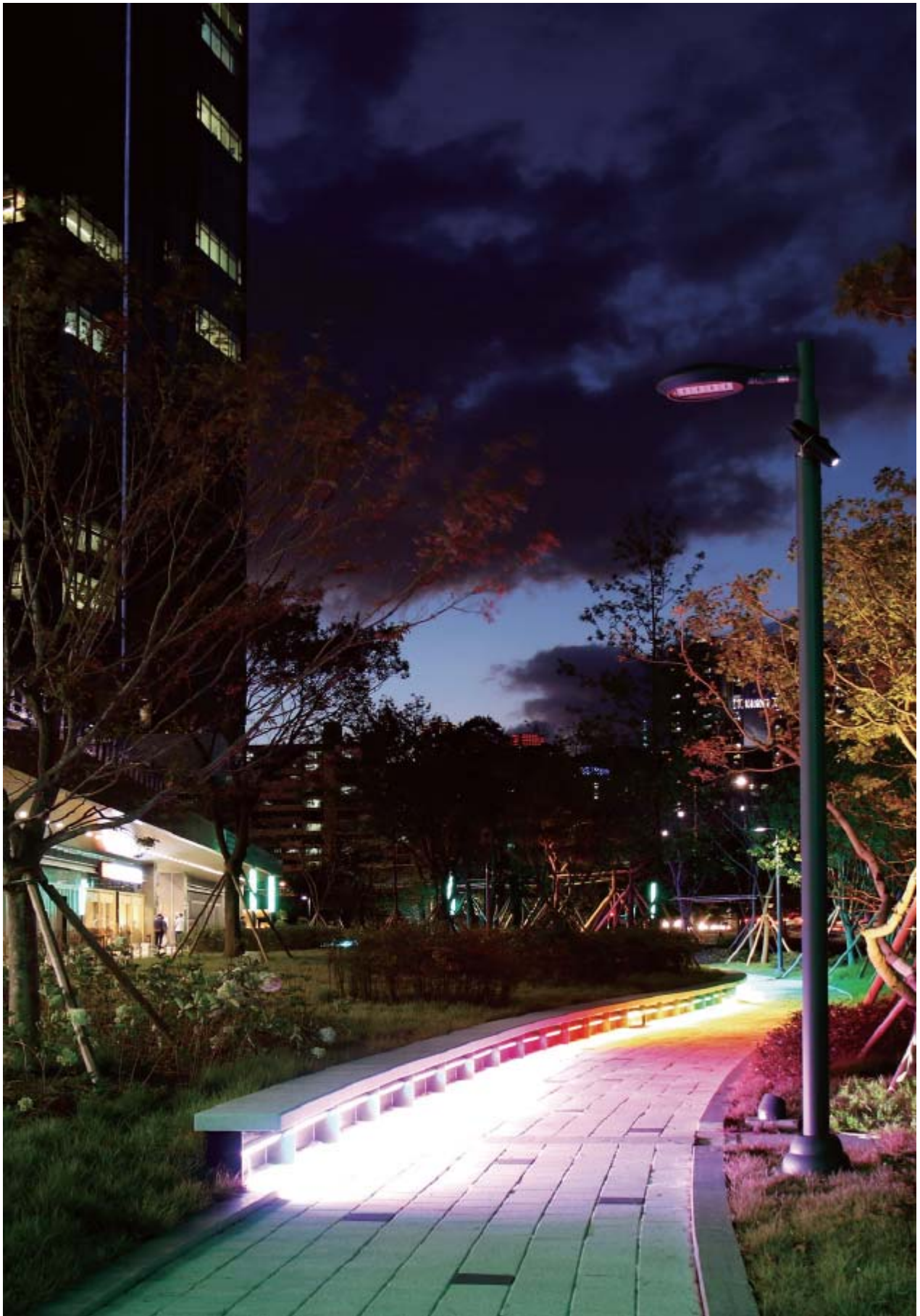
30W-80W



The Garden Light GOLLOP is finished by Die-cast aluminium with separated and integrated LED Driver Box , with surface anti-ageing electrostatic spray processing,super resistance to corrosion and rotated bracket, Gaskets in anti-aging rubber , 5 mm tempered clear Glass and Heat Resisting Cable. It's as well a great alternative to urban furniture due to its IP66 protection rating and IK08 Impact protection. Adopt modular light distribution Lens and super clear tempered glass. Button design for opening LED driver box for easy power circuit connection. And, It is able to be controlled by ELV, 0-10V,DALI,Zigbee dimming system. LED module: high-power CREE CRI>70 up to 140lm/w . LM-80 performance approve >50,000 hours; Fixing:Top fitting Ø60mm.

Technical Data

| | | | | | |
|--|--|---------------|---|---------------|---------------|
| Luminaire Type- 安裝方式 Tipo de luminaria | Dia 60mm Pole Mounted: 3-6m 適合直徑60mm燈杆安裝頂部安裝: 3-6m Dia 60mm montado en poste: 3-6m | | | | |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | 30W | 40W | 60W | 80W | |
| Input Voltage / 輸入電壓 Voltaje de entrada | 100 ~ 240VAC (50~60HZ) | | | | |
| Control Protocol/控制協議 Protocolo de Control | SW: ON/OFF Switch Driver DA: Dali Dimming Driver RDM : RDM Dimming Driver MS: Motion Sensor | | AN: 1-10V Dimming Driver DMX: DMX 512 Dimming Driver Zl: ZIGBEE Wireless Control DS: Daylight Sensor | | |
| Power Factor / 功率因數/Factor de potencia | PF>0.95 | | | | |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD<18% | | | | |
| Protection Against Surges/防護措施/PROTECCIÓN CONTRA LAS PROMOCIONES: | Line-Earth:6KV Line-Line:4KV | | | | |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE | | | | |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70 > 45,000 Hours | | | | |
| LED Life-LED壽命-La vida del LED | >50,000 hours | | | | |
| Color Temperature 色溫 Temperatura y color | 2700K / 3000K / 4000K/ 5000K/ 6500K | | | | |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 | | | | |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching 3 SCDM 標準偏差配色 3 SCDM Coincidencia de color estándar Desviación | | | | |
| Beam Angle 光束角 ángulo de haz | Symmetric Optical Type :T1 Asymmetric Optical Type :T2 Asymmetric Optical Type :T3 Asymmetric Optical Type :T4 | | | | |
| Luminaire Efficacy燈具效率 La eficacia de la luminaria | 100m/w(2700K) | 100m/w(3000K) | 120m/w(4000K) | 130m/w(5000K) | 130m/w(6500K) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 130m/w(2700K) | 130m/w(3000K) | 150m/w(4000K) | 160m/w(5000K) | 160m/w(6500K) |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and Tempered glass 壓鑄鋁和鋼化玻璃 Aluminio fundido a presión y Vidrio templado | | | | |
| Housing Color 外殼顏色 color de la carcasa | Polyester powders Coating (Mat gray RAL 9007/9005). 聚酯粉末塗料(RAL 9007/9005灰色) Polvos de poliéster Revestimiento (Gris mate RAL 9007/9005). | | | | |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) | | | | |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 | | | | |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C | | | | |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación | | | | |
| Installation Height 安裝高度Altura de montaje | 3-6 M | | | | |
| Dimension 尺寸 Dimensión | Dia 490 x H: 610 mm | | | | |
| Net Weight /Gross Weight 淨重/毛重 Peso Neto / Peso bruto | • 7.1kg / 8.1 kg @ Body • 3.8kg / 4.1 kg @ Bracket | | | | |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaries: IEC/EN 60598-1 ; IEC/EN 60598-2-3; IEC TR 62778; IEC 62031 LED Driver: IEC 61347-1; IEC 61347-2-13; EN 55015; IEC 61000-3-2; IEC 61000-3-3; IEC 61547; EN 62384 | | | | |
| Certification-認證-Certificación |        | | | | |



GILEAD

30W-80W



The Garden Light GILEAD is finished by Die-cast aluminium with separated and integrated LED Driver Box , with surface anti-ageing electrostatic spray processing,super resistance to corrosion and rotated bracket, Gaskets in anti-aging rubber , 5 mm tempered clear Glass and Heat Resisting Cable. It's as well a great alternative to urban furniture due to its IP66 protection rating and IK08 Impact protection. Adopt modular light distribution Lens and super clear tempered glass. Button design for opening LED driver box for easy power circuit connection. And, It is able to be controlled by ELV, 0-10V,DALI,Zigbee dimming system. LED module: high-power CREE CRI>70 up to 140lm/w . LM-80 performance approve >50,000 hours; Fixing:Top fitting Ø60mm.

Technical Data

Luminaire Type-
安裝方式
Tipo de luminaria

Dia 60mm Pole Mounted: 3-6m
適合直徑60mm燈杆安裝頂部安裝: 3-6m
Dia 60mm montado en poste: 3-6m

| | |
|--|---|
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | 30W 40W 60W 80W |
| Input Voltage / 輸入電壓 Voltaje de entrada | 100 ~ 240VAC (50~60HZ) |
| Control Protocol/控制協議 Protocolo de Control | SW: ON/OFF Switch Driver DA: Dali Dimming Driver RDM : RDM Dimming Driver MS: Motion Sensor AN: 1-10V Dimming Driver DMX: DMX 512 Dimming Driver Zl: ZIGBEE Wireless Control DS: Daylight Sensor |
| Power Factor / 功率因數/Factor de potencia | PF>0.95 |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD<18% |
| Protection Against Surges/防護措施/PROTECCIÓN CONTRA LAS PROMOCIONES: | Line-Earth:6KV Line-Line:4KV |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70 > 45,000 Hours |
| LED Life-LED壽命-La vida del LED | >50,000 hours |
| Color Temperature 色溫 Temperatura y color | 2700K / 3000K / 4000K/ 5000K/ 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching 3 SCDM 標準偏差配色 3 SCDM Coincidencia de color estándar Desviación |
| Beam Angle 光束角 ángulo de haz | Symmetric Optical Type :T1 Asymmetric Optical Type :T2 Asymmetric Optical Type :T3 Asymmetric Optical Type :T4 |
| Luminaire Efficacy燈具效率 La eficacia de la luminaria | 100m/w(2700K) 100m/w(3000K) 120m/w(4000K) 130m/w(5000K) 130m/w(6500K) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 130m/w(2700K) 130m/w(3000K) 150m/w(4000K) 160m/w(5000K) 160m/w(6500K) |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and Tempered glass 壓鑄鋁和鋼化玻璃 Aluminio fundido a presión y Vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | Polyester powders Coating (Mat gray RAL 9007/9005). 聚酯粉末塗料(RAL 9007/9005灰色) Polvos de poliéster Revestimiento (Gris mate RAL 9007/9005). |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Installation Height 安裝高度Altura de montaje | 3-6 M |
| Dimension 尺寸 Dimensión | Dia 490 x L: 672 x H: 91 mm |
| Net Weight /Gross Weight 淨重/毛重 Peso Neto / Peso bruto | 8.0 kg / 9.2 kg |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaries: IEC/EN 60598-1 ; IEC/EN 60598-2-3; IEC TR 62778; IEC 62031 LED Driver: IEC 61347-1; IEC 61347-2-13; EN 55015; IEC 61000-3-2; IEC 61000-3-3; IEC 61547; EN 62384 |

Certification-認證-Certificación











GULLOP

30W-80W



The Garden Light GULLOP is finished by Die-cast aluminium with separated and integrated LED Driver Box , with surface anti-ageing electrostatic spray processing,super resistance to corrosion and rotated bracket, Gaskets in anti-aging rubber , 5 mm tempered clear Glass and Heat Resisting Cable. It's as well a great alternative to urban furniture due to its IP66 protection rating and IK08 Impact protection. Adopt modular light distribution Lens and super clear tempered glass. Button design for opening LED driver box for easy power circuit connection. And, It is able to be controlled by ELV, 0-10V,DALI,Zigbee dimming system. LED module: high-power CREE CRI>70 up to 140lm/w . LM-80 performance approve >50,000 hours; Fixing:Top fitting Ø60mm.

Technical Data

| | | | | | |
|--|--|---|---------------|---------------|---------------|
| Luminaire Type- 安裝方式 Tipo de luminaria | Dia 60mm Pole Mounted: 3-6m 適合直徑60mm燈杆安裝頂部安裝: 3-6m Dia 60mm montado en poste: 3-6m | | | | |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | 30W | 40W | 60W | 80W | |
| Input Voltage / 輸入電壓 Voltaje de entrada | 100 ~ 240VAC (50~60HZ) | | | | |
| Control Protocol/控制協議 Protocolo de Control | SW: ON/OFF Switch Driver DA: Dali Dimming Driver RDM : RDM Dimming Driver MS: Motion Sensor | AN: 1-10V Dimming Driver DMX: DMX 512 Dimming Driver Zl: ZIGBEE Wireless Control DS: Daylight Sensor | | | |
| Power Factor / 功率因數/Factor de potencia | PF>0.95 | | | | |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD<`18% | | | | |
| Protection Against Surges/防護措施/PROTECCIÓN CONTRA LAS PROMOCIONES: | Line-Earth:6KV Line-Line:4KV | | | | |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE | | | | |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70 > 45,000 Hours | | | | |
| LED Life-LED壽命-La vida del LED | >50,000 hours | | | | |
| Color Temperature 色溫 Temperatura y color | 2700K / 3000K / 4000K/ 5000K/ 6500K | | | | |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 | | | | |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching 3 SCDM 標準偏差配色 3 SCDM Coincidencia de color estándar Desviación | | | | |
| Beam Angle 光束角 ángulo de haz | Symmetric Optical Type :T1 Asymmetric Optical Type :T2 Asymmetric Optical Type :T3 Asymmetric Optical Type :T4 | | | | |
| Luminaire Efficacy燈具效率 La eficacia de la luminaria | 100m/w(2700K) | 100m/w(3000K) | 120m/w(4000K) | 130m/w(5000K) | 130m/w(6500K) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 130m/w(2700K) | 130m/w(3000K) | 150m/w(4000K) | 160m/w(5000K) | 160m/w(6500K) |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and Tempered glass 壓鑄鋁和鋼化玻璃 Aluminio fundido a presión y Vidrio templado | | | | |
| Housing Color 外殼顏色 color de la carcasa | Polyester powders Coating (Mat gray RAL 9007/9005). 聚酯粉末塗料(RAL 9007/9005灰色) Polvos de poliéster Revestimiento (Gris mate RAL 9007/9005). | | | | |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) | | | | |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 | | | | |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C | | | | |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación | | | | |
| Installation Height 安裝高度Altura de montaje | 3-6 M | | | | |
| Dimension 尺寸 Dimensión | Dia 490 x H: 565 mm | | | | |
| Net Weight /Gross Weight 淨重/毛重 Peso Neto / Peso bruto | 7.2kg / 8.2 kg @ Body 1.5kg / 1.7 kg @ Bracket | | | | |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaries: IEC/EN 60598-1 ; IEC/EN 60598-2-3; IEC TR 62778; IEC 62031 LED Driver: IEC 61347-1; IEC 61347-2-13; EN 55015; IEC 61000-3-2; IEC 61000-3-3; IEC 61547; EN 62384 | | | | |
| Certification-認證-Certificación |       | | | | |










GORGE

30W-60W



The Garden Light GORGE is finished by Die-cast aluminium with separated and integrated LED Driver Box , with surface anti-ageing electrostatic spray processing,super resistance to corrosion. Gaskets in anti-aging rubber ,PC Diffuser It's as well a great alternative to urban furniture due to its IP66 protection rating and IK08 Impact protection. Adopt modular light distribution Lens and super clear tempered glass. Button design for opening LED driver box for easy power circuit connection. And, It is able to be controlled by ELV, 0-10V,DALI,Zigbee dimming system. LED module: high-power CREE CRI>80 up to 140lm/w . LM-80 performance approve >50,000 hours; Fixing: Top or side fitting for Dia 60mm pole

Technical Data

| | | | | | |
|--|---|---|---------------|---------------|---------------|
| Luminaire Type- 安裝方式 Tipo de luminaria | Dia 60mm Pole Mounted: 3-6m 適合直徑60mm燈杆安裝頂部安裝: 3-6m Dia 60mm montado en poste: 3-6m | | | | |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | 30W | 40W | 50W | 60W | |
| Input Voltage / 輸入電壓 Voltaje de entrada | 100 ~ 240VAC (50~60HZ) | | | | |
| Control Protocol/控制協議 Protocolo de Control | SW: ON/OFF Switch Driver DA: Dali Dimming Driver RDM : RDM Dimming Driver MS: Motion Sensor | AN: 1-10V Dimming Driver DMX: DMX 512 Dimming Driver ZI: ZIGBEE Wireless Control DS: Daylight Sensor | | | |
| Power Factor / 功率因數/Factor de potencia | PF>0.95 | | | | |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD <20% | | | | |
| Protection Against Surges/防護措施/PROTECCIÓN CONTRA LAS PROMOCIONES: | Line-Earth:6KV Line-Line:4KV | | | | |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE | | | | |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70 > 45,000 Hours | | | | |
| LED Life-LED壽命-La vida del LED | >50,000 hours | | | | |
| Color Temperature 色溫 Temperatura y color | 2700K / 3000K / 4000K/ 5000K/ 6500K | | | | |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 | | | | |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching 3 SCDM 標準偏差配色 3 SCDM Coincidencia de color estándar Desviación | | | | |
| Beam Angle 光束角 ángulo de haz | • Symmetric Optical Type :T1 • Symmetric Optical Type :T90 | | | | |
| Luminaire Efficacy燈具效率 La eficacia de la luminaria | 100m/w(2700K) | 100m/w(3000K) | 120m/w(4000K) | 130m/w(5000K) | 130m/w(6500K) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 130m/w(2700K) | 130m/w(3000K) | 150m/w(4000K) | 160m/w(5000K) | 160m/w(6500K) |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and Polycarbonate diffuser 壓鑄鋁和聚碳酸酯擴散器 Aluminio fundido a presión y difusor de policarbonato | | | | |
| Housing Color 外殼顏色 color de la carcasa | Polyester powders Coating (RAL 9007 Silver). 聚酯粉末塗料(RAL 9007 銀灰色) Polvos de poliéster Revestimiento (RAL 9007 Plata). | | | | |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) | | | | |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 | | | | |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C | | | | |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación | | | | |
| Installation Height 安裝高度Altura de montaje | 3-6M | | | | |
| Dimension 尺寸 Dimensión | Dia 550 x H: 235 mm | | | | |
| Net Weight /Gross Weight 淨重/毛重 Peso Neto / Peso bruto | 8.4 kg / 10.2 kg | | | | |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaries: IEC/EN 60598-1 ; IEC/EN 60598-2-3; IEC TR 62778; IEC 62031 LED Driver: IEC 61347-1; IEC 61347-2-13; EN 55015; IEC 61000-3-2;IEC 61000-3-3; IEC 61547;EN 62384 | | | | |
| Certification-認證-Certificación |        | | | | |

GOALIE

40W-60W



The Garden Light GOALIE is finished by Die-cast aluminium with separated and integrated LED Driver Box , with surface anti-ageing electrostatic spray processing,super resistance to corrosion and 5 mm tempered clear Glass and Heat Resisting Cable. It's as well a great alternative to urban furniture due to its IP66 protection rating and IK08 Impact protection. Adopt modular light distribution Lens and super clear tempered glass. Button design for opening LED driver box for easy power circuit connection. And, It is able to be controlled by ELV, 0-10V,DALI,Zigbee dimming system. LED module: high-power CREE CRI>70 up to 140lm/w . LM-80 performance approve >50,000 hours; Fixing:Top fitting Ø60mm.

Technical Data

Luminaire Type-
安裝方式
Tipo de luminaria

Dia 60mm Pole Mounted: 3-6m
適合直徑60mm燈杆安裝頂部安裝: 3-6m
Dia 60mm montado en poste: 3-6m

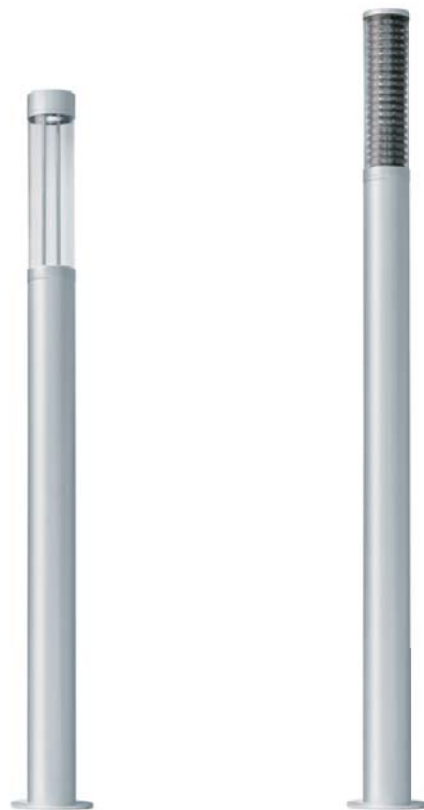
| | |
|--|---|
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | 40W 60W |
| Input Voltage / 輸入電壓 Voltaje de entrada | 100 ~ 240VAC (50~60HZ) |
| Control Protocol/控制協議 Protocolo de Control | SW: ON/OFF Switch Driver DA: Dali Dimming Driver RDM : RDM Dimming Driver MS: Motion Sensor AN: 1-10V Dimming Driver DMX: DMX 512 Dimming Driver ZI: ZIGBEE Wireless Control DS: Daylight Sensor |
| Power Factor / 功率因數/Factor de potencia | PF>0.95 |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD<18% |
| Protection Against Surgers/防護措施/PROTECCIÓN CONTRA LAS PROMOCIONES: | Line-Earth:6KV Line-Line:4KV |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70 > 45,000 Hours |
| LED Life-LED壽命-La vida del LED | >50,000 hours |
| Color Temperature 色溫 Temperatura y color | 2700K / 3000K / 4000K/ 5000K/ 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching 3 SCDM 標準偏差配色 3 SCDM Coincidencia de color estándar Desviación |
| Beam Angle 光束角 ángulo de haz | • Symmetric Optical Type :T1 • Asymmetric Optical Type :T2 • Asymmetric Optical Type :T3 |
| Luminaire Efficacy燈具效率 La eficacia de la luminaria | 100m/w(2700K) 100m/w(3000K) 120m/w(4000K) 130m/w(5000K) 130m/w(6500K) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 130m/w(2700K) 130m/w(3000K) 150m/w(4000K) 160m/w(5000K) 160m/w(6500K) |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and Tempered glass 壓鑄鋁和鋼化玻璃 Aluminio fundido a presión y Vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | Polyester powders Coating (Mat gray RAL 9007/7035). 聚酯粉末塗料(RAL 9007/7035灰色) Polvos de poliéster Revestimiento (Gris mate RAL 9007/7035). |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Installation Height 安裝高度Altura de montaje | 3-6 M |
| Dimension 尺寸 Dimensión | Dia 500 x H: 635 mm |
| Net Weight /Gross Weight 淨重/毛重 Peso Neto / Peso bruto | 9.5 kg / 11.6 kg |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaries: IEC/EN 60598-1 ; IEC/EN 60598-2-3; IEC TR 62778; IEC 62031 LED Driver: IEC 61347-1; IEC 61347-2-13; EN 55015; IEC 61000-3-2; IEC 61000-3-3; IEC 61547; EN 62384 |

Certification-認證-Certificación



GODARD

30W-50W



The Garden Light GODARD is finished by Die-cast aluminum top cover, aluminum extruded column , with surface anti-ageing electrostatic spray processing,super resistance to corrosion, Gaskets in anti-aging rubber , PMMA Clear Diffuser and Anodized aluminum Louver Reflector. It's as well a great alternative to urban furniture due to its IP66 protection rating and IK08 Impact protection.

Technical Data

| | | | | | |
|--|--|---|--------------------|--------------------|---------------|
| Luminaire Type- 安裝方式 Tipo de luminaria | Pole Mounted with Anchor Bolt 地腳螺栓固定 Montaje en poste con perno de anclaje | | | | |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | 30W 40W 50W | | | | |
| Input Voltage / 輸入電壓 Voltaje de entrada | 100 ~ 240VAC (50~60HZ) | | | | |
| Control Protocol/控制協議 Protocolo de Control | SW: ON/OFF Switch Driver DA: Dali Dimming Driver RDM : RDM Dimming Driver MS: Motion Sensor | AN: 1-10V Dimming Driver DMX: DMX 512 Dimming Driver Zl: ZIGBEE Wireless Control DS: Daylight Sensor | | | |
| Power Factor / 功率因數/Factor de potencia | PF>0.95 | | | | |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD<20% | | | | |
| Protection Against Surgers/防護措施/PROTECCIÓN CONTRA LAS PROMOCIONES: | Line-Earth:6KV Line-Line:4KV | | | | |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE | | | | |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70 > 45,000 Hours | | | | |
| LED Life-LED壽命-La vida del LED | >50,000 hours | | | | |
| Color Temperature 色溫 Temperatura y color | 2700K / 3000K / 4000K/ 5000K/ 6500K | | | | |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 | | | | |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching 3 SCDM 標準偏差配色 3 SCDM Coincidencia de color estándar Desviación | | | | |
| Beam Angle 光束角 ángulo de haz | Symmetric Angle: 120° | | | | |
| Luminaire Efficacy燈具效率 La eficacia de la luminaria | 100m/w(2700K) | 100m/w(3000K) | 120m/w(4000K) | 130m/w(5000K) | 130m/w(6500K) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 130m/w(2700K) | 130m/w(3000K) | 150m/w(4000K) | 160m/w(5000K) | 160m/w(6500K) |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminum top cover, aluminum extruded column and transparent PMMA diffuser 壓鑄鋁頂蓋, 鋁擠壓柱和抗紫外線透明PMMA擴散器 Cubierta superior de aluminio fundido a presión, columna de aluminio extruido y difusor de PMMA transparente anti UV | | | | |
| Housing Color 外殼顏色 color de la carcasa | Polyester powders Coating (RAL 9007 Silver). 聚酯粉末塗料(RAL 9007 銀灰色) Polvos de poliéster Revestimiento (RAL 9006 Plata). | | | | |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) | | | | |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 | | | | |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C | | | | |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación | | | | |
| Dimension 尺寸 Dimensión | Dia 168 x H:2700mm | Dia 168 x H:3700mm | Dia 168 x H:4700mm | Dia 168 x H:5500mm | |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaries: IEC/EN 60598-1 ; IEC/EN 60598-2-3; IEC TR 62778; IEC 62031 LED Driver: IEC 61347-1; IEC 61347-2-13; EN 55015; IEC 61000-3-2; IEC 61000-3-3; IEC 61547; EN 62384 | | | | |
| Certification-認證-Certificación | | | | | |








GAI

D520xH560mm 30W-80W



The Garden Light GAI is finished by Die-cast aluminium with separated and integrated LED Driver Box , with surface anti-ageing electrostatic spray processing,super resistance to corrosion and rotated bracket, Gaskets in anti-ageing rubber , with clear polycarbonate diffusor and Heat Resisting Cable. It's as well a great alternative to urban furniture due to its IP65 protection rating and IK08 Impact protection. Button design for opening LED driver box for easy power circuit connection. And, It is able to be controlled by ELV, 0-10V,DALI,Zigbee dimming system. LED module: high-power Philips 140 Lm/w . LM-80 performance approval >50,000 hours; Fixing: Top mounted for Dia 60mm pole.

Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Dia 60mm Pole Mounted . Top Mounted or Side Mounted 適合直徑60mm 燈杆安裝, 頂部安裝或側面安裝 Dia 60mm montado en polos. Montaje en la parte superior o lateral |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | 30W @ 18 pcs LED PHILIPS 40W @ 18 pcs LED PHILIPS 60W @ 36 pcs LED PHILIPS 80W @ 48 pcs LED PHILIPS |
| Input Voltage / 輸入電壓 Voltaje de entrada | 90-305VAC/50-60HZ |
| Control Protocol/控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Power Factor / 功率因數/Factor de potencia | PF>0.9 |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD < 20% |
| Light Source Brand-光源品牌-Fuente de luz de marca | PHILIPS (Risk group 1 (low risk) from this according to EN 62471-photo biological safety) |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70> 50,000 hrs |
| LED Life-LED壽命-La vida del LED | >50,000 hours |
| Color Temperature and Color 色溫和顏色 Temperatura y color del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle 光束角 ángulo de haz | Symmetric 145° |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 100 Lm/w(2700K), 100 Lm/w(3000K), 120 Lm/w(4000K), 130 Lm/w(5000K), 130 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 134 Lm/w(2700K), 134 Lm/w(3000K), 143 Lm/w(4000K), 153 Lm/w(5000K), 153 Lm/w(6500K), |
| Housing materials 外殼材料 Materiales de la carcasa | • Die-cast aluminium and clear polycarbonate (PC) • 壓鑄鋁和透明聚碳酸酯(PC) • Aluminio fundido a presión y policarbonato transparente (PC) |
| Housing Color 外殼顏色 color de la carcasa | • Polyester powders Coating: Matte Gray -RAL 9006 and Matte Black -RAL 9005 • 聚酯粉末塗層 : 啞光灰色-RAL 9006和啞光黑色-RAL 9005 • Polvos de poliéster Recubrimiento: gris mate -RAL 9006 y negro mate -RAL 9005 |
| Ingress Protection-防護等級 Protección de ingreso | IP65 - (IEC 60529) |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +60 °C / -4 °F / +124 °F |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Installation Height 安裝高度 Altura de montaje | 3 - 9 M |
| Dimension 尺寸 Dimensión | Dia 510 x H: 560 mm |
| Net Weight /Gross Weight 淨重/毛重 Peso Neto / Peso Bruto | 9.3kg / 12.4kg @ 30W & 40W 9.5kg /12.6kg @ 60W & 80W |
| Packing box size 包裝箱尺寸 Tamaño de la caja de embalaje | 525 x 525 x 580mm Remark(176 pcs / 20"container or 352 pcs / 40"container) |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | • LED Luminaires: IEC 60598-1 / IEC 60598-2-1 / Photometric data-IES format • LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |        |







GANTE

D600xH850mm 40W-60W



The Garden Light GANTEI is finished by Die-cast aluminium with separated and integrated LED Driver Box. Anodized aluminium reflector and PMMA diffuser. Galvanized steel plate, special screw fastening. Surface anti-ageing electrostatic spray processing, super resistance to corrosion. It's as well a great alternative to urban furniture due to its IP65 protection rating and IK08 Impact protection. Button design for opening LED driver box for easy power circuit connection. And, It is able to be controlled by ELV, 0-10V, DALI, Zigbee dimming system. LED module: high-power CREE LED. LM-80 performance approval >50,000 hours; Fixing: Top mounted for Dia 60mm pole or 3/4" gas thread.

Technical Data

| | |
|--|---|
| Luminaire Type- 安裝方式 Tipo de luminaria | Dia 60mm Pole Mounted 適合直徑60mm 燈杆安裝 Dia 60mm montado en polos |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | 40W @ 30 pcs LED CREE 60W @ 30 pcs LED CREE |
| Input Voltage / 輸入電壓 Voltaje de entrada | 100 - 240VAC/50-60HZ |
| Control Protocol/控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Power Factor / 功率因數/Factor de potencia | PF>0.9 |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD < 20% |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE (Risk group 1 (low risk) from this according to EN 62471-photo biological safety) |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70> 50,000 hrs |
| LED Life-LED壽命-La vida del LED | >50,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle 光束角 ángulo de haz | T12 T13 T14 |
| uminaire Efficacy 燈具效率 La eficacia de la luminaria | 85 Lm/w(2700K), 85 Lm/w(3000K), 90 Lm/w(4000K), 100 Lm/w(5000K), 100 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 100 Lm/w(2700K), 100 Lm/w(3000K), 105 Lm/w(4000K), 120 Lm/w(5000K), 120 Lm/w(6500K), |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and PC 壓鑄鋁和PC Aluminio fundido a presión y PC |
| Housing Color 外殼顏色 color de la carcasa | Polyester powders Coating: Matte Gray -RAL 9006 and Matte Black -RAL 9005 聚酯粉末塗層 : 啞光灰色-RAL 9006和啞光黑色-RAL 9005 Polvos de poliéster Recubrimiento: gris mate -RAL 9006 y negro mate -RAL 9005 |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +60 °C / -4 °F / +124 °F |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Installation Height 安裝高度 Altura de montaje | 4 - 6 M |
| Dimension 尺寸 Dimensión | Dia 600 x H: 850 mm |
| Net Weight /Gross Weight 淨重/毛重 Peso Neto / Peso Bruto | 10.0kg / 11.5kg @ 40W 10.2kg / 11.7kg @ 60W |
| Packing box size 包裝箱尺寸 Tamaño de la caja de embalaje | 500 x 500 x 900mm Remark(112 pcs / 20" container or 236 pcs / 40" container) |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaires: IEC 60598-1 / IEC 60598-2-1 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |       |

GAN

SQ425xH743mm 40W-60W



The Garden Light GAN is finished by Galvanized steel plate after jointing welding with separated and integrated LED Driver Box , anodized aluminium reflector and PMMA high transparent diffuser. Galvanized steel plate, special screw fastening. Surface anti-ageing electrostatic spray processing, super resistance to corrosion. It's as well a great alternative to urban furniture due to its IP65 protection rating and IK08 Impact protection. Button design for opening LED driver box for easy power circuit connection. And, It is able to be controlled by ELV, 0-10V, DALI, Zigbee dimming system. LED module: high-power CREE LED. LM-80 performance approval >50,000 hours; Fixing: Top mounted for Dia 60mm pole or 3/4" gas thread.

Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Dia 60mm Pole Mounted 適合直徑60mm 燈杆安裝 Dia 60mm montado en polos |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | 40W @ 30 pcs LED CREE 60W @ 30 pcs LED CREE |
| Input Voltage / 輸入電壓 Voltaje de entrada | 100 - 240VAC/50-60HZ |
| Control Protocol/控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Power Factor / 功率因數/Factor de potencia | PF>0.9 |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD < 20% |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE (Risk group 1 (low risk) from this according to EN 62471-photo biological safety) |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70> 50,000 hrs |
| LED Life-LED壽命-La vida del LED | >50,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle 光束角 ángulo de haz | T12 T13 T14 |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 85 Lm/w(2700K), 85 Lm/w(3000K), 90 Lm/w(4000K), 100 Lm/w(5000K), 100 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 100 Lm/w(2700K), 100 Lm/w(3000K), 105 Lm/w(4000K), 120 Lm/w(5000K), 120 Lm/w(6500K), |
| Housing materials 外殼材料 Materiales de la carcasa | Galvanized steel plate after jointing welding and Glass 鍍鋅鋼板折彎焊接成型和玻璃 Placa de acero galvanizado después de la soldadura de juntas y vidrio |
| Housing Color 外殼顏色 color de la carcasa | Polyester powders Coating: Matte Gray -RAL 9006 and Matte Black -RAL 9005 聚酯粉末塗層 : 啞光灰色-RAL 9006和啞光黑色-RAL 9005 Polvos de poliéster Recubrimiento: gris mate -RAL 9006 y negro mate -RAL 9005 |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +60 °C / -4 °F / +124 °F |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Installation Height 安裝高度 Altura de montaje | 4 - 6 M |
| Dimension 尺寸 Dimensión | W 425 x L 425 x H: 743 mm |
| Net Weight /Gross Weight 淨重/毛重 Peso Neto / Peso Bruto | 5.5kg / 6.3kg @ 40W 5.7kg / 6.5kg @ 60W |
| Packing box size 包裝箱尺寸 Tamaño de la caja de embalaje | 445 x 445 x 780mm Remark(195 pcs / 20"container or 390 pcs / 40"container) |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaires: IEC 60598-1 / IEC 60598-2-1 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |

Certification-認證-Certificación



GANE

SQ425xH816mm 40W-60W



The Garden Light GANE is finished by Die-cast aluminium with separated and integrated LED Driver Box , with surface anti-ageing electrostatic spray processing,super resistance to corrosion and rotated bracket, Gaskets in anti-ageing rubber , with clear polycarbonate diffusor and Heat Resisting Cable. It's as well a great alternative to urban furniture due to its IP65 protection rating and IK08 Impact protection. Button design for opening LED driver box for easy power circuit connection. And, It is able to be controlled by ELV, 0-10V,DALI,Zigbee dimming system. LED module: high-power CREE LED. LM-80 performance approval >50,000 hours; Fixing: Top mounted for Dia 60mm pole or 3/4" gas thread.

Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Dia 60mm Pole Mounted 適合直徑60mm 燈杆安裝 Dia 60mm montado en polos |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | 40W @ 12 pcs LED CREE 60W @ 24 pcs LED CREE |
| Input Voltage / 輸入電壓 Voltaje de entrada | 100 - 240VAC/50-60HZ |
| Control Protocol/控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Power Factor / 功率因數/Factor de potencia | PF>0.9 |
| Total Harmonic Distortion/總諧波失真/Distorsión armónica total | THD < 20% |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE (Risk group 1 (low risk) from this according to EN 62471-photo biological safety) |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70> 50,000 hrs |
| LED Life-LED壽命-La vida del LED | >50,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle 光束角 ángulo de haz | T12 T13 T14 |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 85 Lm/w(2700K), 85 Lm/w(3000K), 90 Lm/w(4000K), 100 Lm/w(5000K), 100 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 100 Lm/w(2700K), 100 Lm/w(3000K), 105 Lm/w(4000K), 120 Lm/w(5000K), 120 Lm/w(6500K), |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and clear glass 壓鑄鋁和玻璃 Aluminio fundido a presión y El vidrio claro |
| Housing Color 外殼顏色 color de la carcasa | Polyester powders Coating: Matte Gray -RAL 9006 and Matte Black -RAL 9005 聚酯粉末塗層 : 啞光灰色-RAL 9006和啞光黑色-RAL 9005 Polvos de poliéster Recubrimiento: gris mate -RAL 9006 y negro mate -RAL 9005 |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de función ambiente | -20 °C / +60 °C / -4 °F / +124 °F |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Installation Height 安裝高度 Altura de montaje | 3 - 6 M |
| Dimension 尺寸 Dimensión | W 425 x L 425 x H: 816 mm |
| Net Weight /Gross Weight 淨重/毛重 Peso Neto / Peso Bruto | 9.0kg / 10.5kg |
| Packing box size 包裝箱尺寸 Tamaño de la caja de embalaje | 445 x 445 x 850 mm Remark(112 pcs / 20"container or 236 pcs / 40"container) |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaires: IEC 60598-1 / IEC 60598-2-1 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |

Certification-認證-Certificación










GANCE

SQ425xH714mm 40W-60W



The Garden Light GANCE is finished by Die-cast aluminium with separated and integrated LED Driver Box , with surface anti-ageing electrostatic spray processing,super resistance to corrosion and rotated bracket, Gaskets in anti-ageing rubber , with clear polycarbonate diffusor and Heat Resisting Cable. It's as well a great alternative to urban furniture due to its IP65 protection rating and IK08 Impact protection. Button design for opening LED driver box for easy power circuit connection. And, It is able to be controlled by ELV, 0-10V,DALI,Zigbee dimming system. LED module: high-power CREE LED. LM-80 performance approval >50,000 hours; Fixing: Top mounted for Dia 60mm pole or 3/4" gas thread.

Technical Data

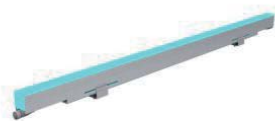
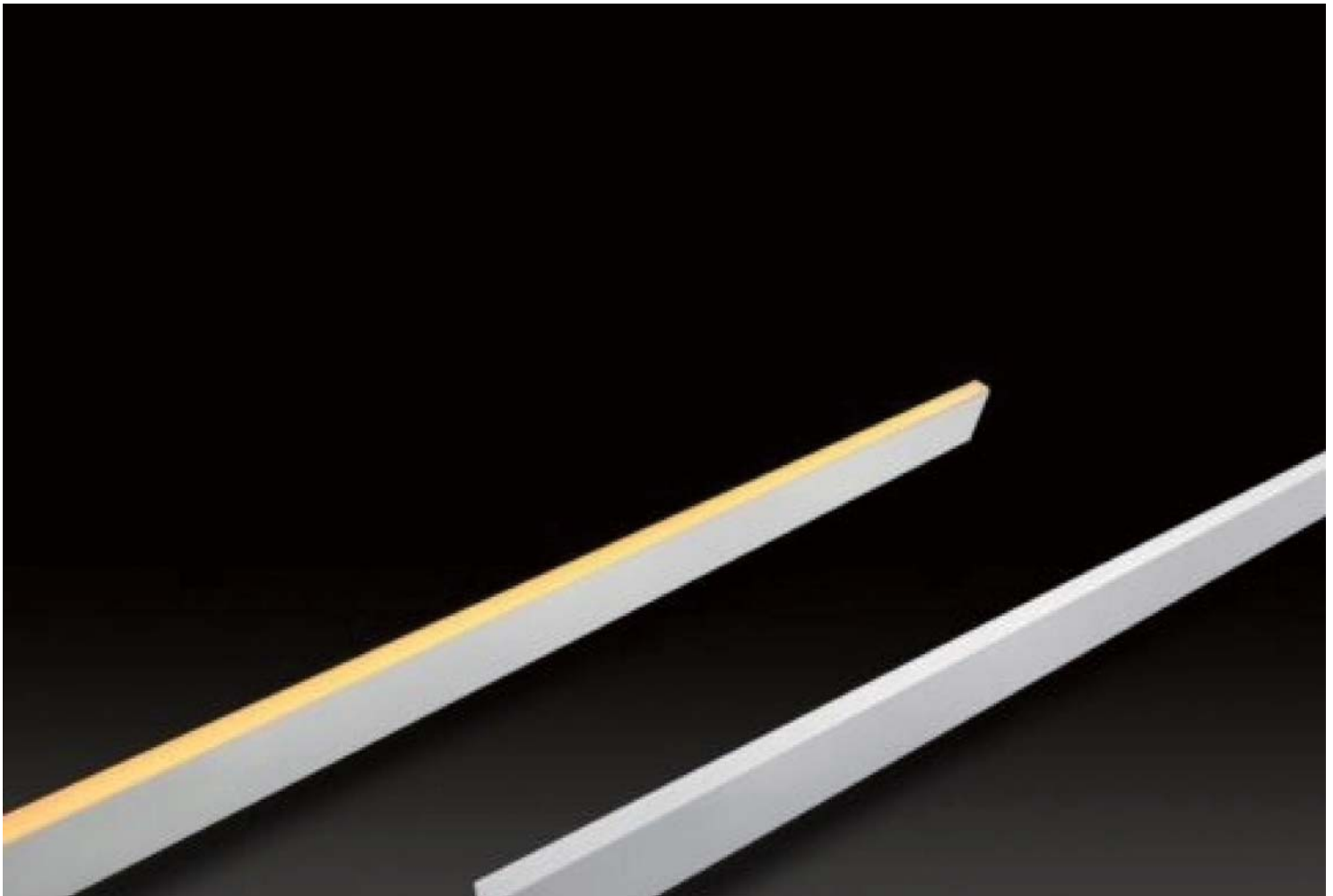
| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Dia 60mm Pole Mounted 適合直徑60mm 燈杆安裝 Dia 60mm montado en polos |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | 40W @ 30 pcs LED CREE 60W @ 30 pcs LED CREE |
| Input Voltage / 輸入電壓 Voltaje de entrada | 100 - 240VAC/50-60HZ |
| Control Protocol/控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Power Factor / 功率因數/Factor de potencia | PF>0.9 |
| Total Harmonic Distortion/總諧波失真/Distorsión armónica total | THD < 20% |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE (Risk group 1 (low risk) from this according to EN 62471-photo biological safety) |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70> 50,000 hrs |
| LED Life-LED壽命-La vida del LED | >50,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle 光束角 ángulo de haz | T12 T13 T14 |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 85 Lm/w(2700K), 85 Lm/w(3000K), 90 Lm/w(4000K), 100 Lm/w(5000K), 100 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 100 Lm/w(2700K), 100 Lm/w(3000K), 105 Lm/w(4000K), 120 Lm/w(5000K), 120 Lm/w(6500K), |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and clear glass 壓鑄鋁和玻璃 Aluminio fundido a presión y El vidrio claro |
| Housing Color 外殼顏色 color de la carcasa | Polyester powders Coating: Matte Gray -RAL 9006 and Matte Black -RAL 9005 聚酯粉末塗層 : 啞光灰色-RAL 9006和啞光黑色-RAL 9005 Polvos de poliéster Recubrimiento: gris mate -RAL 9006 y negro mate -RAL 9005 |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de función ambiente | -20 °C / +60 °C / -4 °F / +124 °F |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Installation Height 安裝高度 Altura de montaje | 3 - 6 M |
| Dimension 尺寸 Dimensión | W 425 x L 425 x H: 714 mm |
| Net Weight /Gross Weight 淨重/毛重 Peso Neto / Peso Bruto | 8.8kg / 10.3kg |
| Packing box size 包裝箱尺寸 Tamaño de la caja de embalaje | 445 x 445 x 665mm Remark(195 pcs / 20"container or 390 pcs / 40"container) |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaires: IEC 60598-1 / IEC 60598-2-1 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547 |
| Certification-認證-Certificación |        |

OUTDOOR INGOUND LINEAR



LABMY





Max 14W IP67



In-Ground Dotless Linear Light with IP67 is outdoor fixture with mono , RGB and RGBW color for façade application . It is able to be controlled by remote driver with 0-10V, Dali, DMX and RDM. This product suits perfectly to architectural contour lighting in buildings, ornamental light effects or integration instructors and facades. It's as well a great alternative to urban furniture due to its IP67 protection rating, unique design:

IN GROUND LINEAR

Technical Data

| | | | |
|--|--|------------------------------------|----------------------------------|
| Luminaire Type/ 安裝方式 / Tipo de luminaria | Recessed In-Ground Type / 內嵌式地埋燈 / Empotrada en el suelo del Tipo Surface Mounted Type / 明裝 / Montadas en superficie | | |
| Power Consumption Max 燈具最大功率 Consumo de energía Max | <ul style="list-style-type: none"> • 3W @ L: 275mm or L: 247mm (Surface Mounted Type) • 5W @ L: 500mm or L: 510mm (Surface Mounted Type) • 7W @ L: 500mm or L: 510mm (Surface Mounted Type) • 5W @ L: 1000mm • 12W @ L: 1000mm • 14W @ L: 1000mm | | |
| Input Voltage / 輸入電壓 Voltaje de entrada | <ul style="list-style-type: none"> • DC24V • AC220-240V 50/60HZ (Remote LED Driver for Dali, 0-10V, Zigbee control . Refer to LED Driver data sheet) | | |
| Control Protocol-控制協議 Protocolo de Control | DMX 512 . Dali, 0-10V, Zigbee | | |
| Beam Angle/光束角ángulo de haz | 100 ° | | |
| Light Source Brand/光源品牌 Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk) @ Mono Color LED) | | |
| Photobiological safety-IEC 62471 / of Luminaire 光生物安全檢驗(IEC/EN 62471) 結果: Seguridad fotobiológica-IEC 62471 | Risk Group 1; RG1 1 類危險 (低危) Grupo de riesgo 1 | | |
| Color Temperature -色溫 Temperatura del color | MONO:2700K / 3000K / 4000K / 5000K / 6500K | | |
| Lumen Maintenance Reported by TM-21 @ Mono Color @25°C 白光LED TM-21 光衰壽命@25°C Mantenimiento del lumen informado por TM-21 @25°C | L70 > 80,000 hrs | | |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • >80 • >90 | | |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM | | |
| Luminaire Efficacy-燈具效率 La eficacia de la luminaria | 65 Lm/w @ 2700K 75 Lm/w@5000K | 65 Lm/w @ 3000K 80 Lm/w@5700K | 70 Lm/w@4000K 80 Lm/w@6500K |
| LED Source Luminous Efficacy-LED光源光效 Fuente luminosa LED Eficacia | 125 Lm/w @ 2700K 135 Lm/w@5000K | 125 Lm/w @ 3000K 140 Lm/w@5700K | 130 Lm/w@4000K 140 Lm/w@6500K |
| Housing materials/外殼材料 Materiales de la carcasa | Inground Type : Die-Casted Aluminium and Aluminium Alloy and Tempered Milky Glass 內嵌式地埋燈: 壓鑄鋁和鋁合金以及鋼化乳白色玻璃 Tipo enterrado: aluminio fundido a presión y aleación de aluminio y vidrio lechoso templado Surface Mount Type: Die-Casted Aluminium and Aluminium Alloy and Anti-UV Polycarbonate 明裝: 壓鑄鋁和鋁合金以及抗紫外線乳白PC罩 Tipo de montaje en superficie: aluminio fundido a presión y aleación de aluminio y policarbonato anti-UV | | |
| Housing Color/ 邊框殼顏色 Color de la carcasa | Powder Coated in Silver Grey- UV Resistant powder coating for Anti-corrosion Protection 銀灰色粉末塗料 (抗紫外線和抗腐蝕) Recubrimiento en polvo en gris plateado - Recubrimiento en polvo resistente a los rayos UV para protección anticorrosión Tailor-made/客制生產-Hecho a medida | | |
| Ingress Protection/ 防護等級 Protección de ingreso | IP67 | | |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C / -22 °F / +122 °F | | |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación | | |
| Dimension/尺寸 / Dimensión | Refer to Drawing / 參照圖紙/Consulte el dibujo | | |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaries: EN 60598-1; EN 60598-2-1; IEC/TR 62778 (RG1) ; EN62471;EN 62031; EN62493 LED Luminaries: EN55015 ; EN61547 | | |
| Certification-認證-Certificación |     | | |

LATRU








12W Max IP67



LED In-Ground Wallwasher Light with IP67 is outdoor fixture with mono , RGB and RGBW color for façade application . It is able to be controlled by remote driver with 0-10V, Dali, DMX and RDM. This product suits perfectly to architectural contour lighting in buildings, ornamental light effects or integration instructors and facades. It's as well a great alternative to urban furniture due to its IP67 protection rating. unique design:

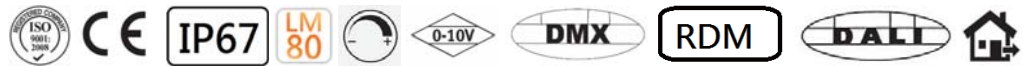
IN GROUND LINEAR

Technical Data

| | |
|---|--|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Recessed In-Ground Type / 內嵌式地埋燈 Empotrada en el suelo del Tipo |
| Power Consumption Max 燈具最大功率 Consumo de energía Max | <ul style="list-style-type: none"> • 3W @ L:250 mm • 6W @ L:500 mm • 12W @ L:1000 mm |
| Input Voltage / 輸入電壓 Voltaje de entrada | DC24V |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM |
| Pixels & DMX Channels 像素和DMX 通道 Píxeles y canales DMX | <ul style="list-style-type: none"> • 1Pixel (1 DMX Channel @ Mono) • 1Pixel (4 DMX Channel @ RGBW) • 1Pixel (3 DMX Channel @ RGB) • 1Pixel (2 DMX Channel @ CTA) |
| Beam Angle/光東角ángulo de haz | 120 ° |
| Light Source Brand/光源品牌 Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk) @ Mono Color LED) |
| Photobiological safety-IEC 62471 / of Luminaire 光生物安全檢驗(IEC/EN 62471) 結果: Seguridad fotobiológica-IEC 62471 | Risk Group 1; RG1 1 類危險 (低危) Grupo de riesgo 1 |
| Color Temperature -色溫 Temperatura del color Color -顏色-Color | <ul style="list-style-type: none"> • MONO:2700K / 3000K / 4000K / 5000K / 6500K • RGBW (Single LED Chip 1R1G1B1W)(White: O: 2700K W: 3000K N: 4000K D:5000K C: 6500K) • RGB (Single LED Chip 1R1G1B) • Tunable White (2700K to 6500K) |
| Lumen Maintenance Reported by TM-21 @ Mono Color @25°C 白光LED TM-21光衰壽命@25°C Mantenimiento del lumen informado por TM-21 @25°C | L70 > 80,000 hrs |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • >80 @ White Color LED • >90 @ White Color LED |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy-燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • High Power LED in Clear Glass with PC lens • 55 Lm/W @ RGBW 48 Lm/w@ RGB 80 Lm/w @ Tunable White • 75 Lm/w @ 2700K 75 Lm/w @ 3000K 80 Lm/w@4000K • 85 Lm/w@5000K 90 Lm/w@5700K 90 Lm/w@6500K • Low Power LED in Milky Glass • 45 Lm/W @ RGBW 38 Lm/w@ RGB 70 Lm/w @ Tunable White • 65 Lm/w @ 2700K 65 Lm/w @ 3000K 70 Lm/w@4000K • 75 Lm/w@5000K 80 Lm/w@5700K 80 Lm/w@6500K |
| Luminaire Efficacy-燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 80 Lm/W @ RGBW 75 Lm/w@ RGB 100 Lm/w @ CTA • 100 Lm/w @ 2700K 100 Lm/w @ 3000K 105 Lm/w@4000K • 120 Lm/w@5000K 130 Lm/w@5700K 130 Lm/w@6500K |
| Housing materials/外殼材料 Materiales de la carcasa | Die-Casted Aluminium and Aluminium Alloy and 8mm Tempered Clear Glass or Milky Glass 壓鑄鋁和鋁合金以及8毫米鋼化透明玻璃或乳白色玻璃 Aluminio fundido a presión y aleación de aluminio y vidrio transparente templado de 8 mm o vidrio lechoso |
| Housing Color/ 邊框殼顏色 Color de la carcasa | Powder Coated in Silver Grey- UV Resistant powder coating for Anti-corrosion Protection 銀灰色粉末塗料 (抗紫外線和抗腐蝕) Recubrimiento en polvo en gris plateado - Recubrimiento en polvo resistente a los rayos UV para protección anticorrosión Tailor-made/客制生產-Hecho a medida |
| Ingress Protection/ 防護等級 Protección de ingreso | IP67 |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK10 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C / -22 °F / +122 °F |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Dimension/尺寸 Dimensión | <ul style="list-style-type: none"> • L: 250 x W:30 x H: 81 mm (With Embedded Parts) @ TYPE A • L: 500 x W:30 x H: 81 mm (With Embedded Parts) @ TYPE A • L: 1000 x W:30 x H: 81 mm (With Embedded Parts) @ TYPE A • L: 250 x W:36.4 x H: 35 mm (With Embedded Parts) @ TYPE B • L: 500 x W:36.4 x H: 35 mm (With Embedded Parts) @ TYPE B • L: 1000 x W:36.4 x H: 35 mm (With Embedded Parts) @ TYPE B • L: 250 x W:30.6 x H: 45 mm (With Embedded Parts) @ TYPE C • L: 500 x W:30.6 x H: 45 mm (With Embedded Parts) @ TYPE C • L: 1000 x W:30.6 x H: 45 mm (With Embedded Parts) @ TYPE C |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaries: EN 60598-1; EN 60598-2-1; IEC/TR 62778 (RG1) ; EN62471;EN 62031; EN62493 LED Luminaries: EN55015 ; EN61547 |
| Certification-認證-Certificación |        |

LO-MONO

W:85 x H:100 x LXXXXmm



LED Wallwasher light is a indoor and outdoor fixture with mono color for façade application . It is able to be controlled by 0-10V, Dali, DMX and RDM. This product suits perfectly to architectural contour lighting in buildings, ornamental colour effects or integration instructors and facades. It's as well a great alternative to urban furniture due to its IP67 protection rating. unique design: LED PCB board adjusted 5° and 10° for assymetric beam angle










IN GROUND LINEAR

LO-MONO

W:85 x H:100 x LXXXXmm

DIMON
TECHNOLOGY

Technical Data

| | |
|--|--|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Recessed In-Ground Type / 內嵌式地埋燈 Empotrada en el suelo del Tipo |
| Power Consumption Max 燈具功率 Consumo de energía Max | 9W @ 9 pcs High Power LEDs L: 250 x W:85 x H:100mm 18W @18 pcs High Power LEDs L: 500 x W:85 x H:100mm 36W @36 pcs High Power LEDs L: 1000 x W:85 x H:100mm 54W @54pcs High Power LEDs L: 1000 x W:85 x H:100mm Tailor-made - 客制生產-Hecho a medida |
| Input Voltage / 輸入電壓 Voltaje de entrada | AC100-240V 50/60Hz |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver—Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 1-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours應急電池/Copia de seguridad de emergencia |
| LED Driver Features / 驅動特性 Funciones del controlador de LED | POWER FACTOR : PF0.90 @ Full Load TOTAL HARMONIC DISTORTION: THD< 20% EFFICIENCY (Typ.): >90% MAX. No. of PSUs on 16A CIRCUIT BREAKER: 25 units (circuit breaker of type B) / 40 units (circuit breaker of type C at 230VAC) |
| DMX Channel Per Luminaire 燈具DMX Canal de DMX por luminaria-DMX | • 1 DMX Channels @ 250mm • 2 DMX Channels @ 500mm • 4 DMX Channels @ 1000mm • 6 DMX Channels @ 1000mm • Tailor-made - 客制生產-Hecho a medida |
| Control Protocol/控制協議 Protocolo de Control | 1-10V / Dali/ DMX 512 / RDM |
| Beam Angle/光東角 ángulo de haz | Symmetric Angle-對稱發光角度-Ángulo simétrica • 5° (Lens with Clear Glass Diffusor) • 10° (Lens with Clear Glass Diffusor) • 30°(Lens with Clear Glass Diffusor) • 60°(Lens with Clear Glass Diffusor) • 120°(Milky PMMA Diffusor) • 10°x40° (Lens with Clear Glass Diffusor) • 10°x80° (Lens with Clear Glass Diffusor) • Unique design: LED PCB board adjusted 5 and 10 for assymmetric beam angle |
| Light Source Brand/光源品牌 Fuente de luz de marca | CREE |
| *Lumen Maintenance LM-80 Reported by TM-21" | L90(10k) = 50,700 hrs / L80(10k) > 63,500 hrs / L70(10k) > 63,500 hrs |
| LED Life/LED壽命 La vida del LED | >60,000 hours |
| Color Temperature / 色溫 Temperatura del color | 2700K / 3000K / 4000K/ 5000K/ 6500K |
| Color Rendering Index/顯色指數 Índice de reproducción cromática | >80@White Color / >90@White Color |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 2 SCDM 標準偏差配色 < 2 SCDM Coincidencia de color estándar Desviación |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 70lm/w(2700K) or (3000K) • 80lm/w(4000K) • 90lm/w(5000K) or (6500K) • |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 100lm/w(2700K) or (3000K) • 105lm/w(4000K) • 120lm/w(5000K) or 120lm/w(6500K) |
| Housing materials/外殼材料 Materiales de la carcasa | Aluminium Alloy and Tempered Glass -鋁合金和鋼化玻璃 Aleación de aluminio y vidrio templado |
| Housing Color/ 外殼顏色 Color de la carcasa | Anodised Aluminium Titanium and Tempered Glass 陽極氧化鋁鈦和鋼化玻璃 Aluminio anodizado titanio y vidrio templado Anodised Aluminium Black and Tempered Glass 陽極氧化鋁黑和鋼化玻璃 Aluminio anodizado Negro y vidrio templado Tailor-made/客制生產-Hecho a medida |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +60 °C / -4 °F / +124 °F |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0-90%, non-condensing-不結霜 sin condensación |
| Ingress Protection/ 防護等級 Protección de ingreso | IP67 |
| Dimension 尺寸 Dimensión | • L:250 x W:85 x H:100mm • L:500 x W:85 x H:100mm • L:1000 x W:85 x H:100mm • L:1500 x W:85 x H:100mm • Tailor-made-客制生產-Hecho a medida |
| Environment/ 使用環境 Medio ambiente | Outdoor /戶外/al aire libre |
| Certification-認證-Certificación |          |

IN GROUND LINEAR

RECESSED SPOT LIGHT



IAH

D80 & CO70mm 5W







CE IP67 LM80  ZigBee® 



LED in-ground luminaires with small dimensions for flush-mounting installation. The luminaire housing made of AISI 316 stainless steel Cover with tempered glass. Optics with PMMA lens. It is available in monocolour and RGBW color. It is able to be controlled by DMX and RDM. It's as well a great alternative to urban furniture due to its IP67 protection rating. Static load resistance 2000kg.

IN GROUND UP LIGHT

Technical Data

| | |
|--|--|
| Luminaire Type 安裝方式 Tipo de luminaria | Recessed In-Ground Type 內嵌式地理燈 Empotrada en el suelo del Tipo |
| Power Consumption Max 燈具功率 Consumo de energía Max | 5W |
| Input Voltage 輸入電壓 Voltaje de entrada | AC220-240V Input |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type or Remote-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ @ Integrated-type 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| Control Protocol 控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | 15° 23° |
| Light Source Brand/光源品牌 Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | L90(10k) = 50,700 hrs / L80(10k) > 63,500 hrs / L70(10k) > 63,500 hrs |
| LED Life/LED壽命 La vida del LED | >60,000 hours |
| Color Temperature / 色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index/顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 70 Lm/w(2700K), 70 Lm/w(3000K), 75 Lm/w(4000K), 80 Lm/w(5000K), 80 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 100 Lm/w(2700K), 100 Lm/w(3000K), 105 Lm/w(4000K), 120 Lm/w(5000K), 120 Lm/w(6500K), |
| Housing materials/外殼材料 Materiales de la carcasa | Tempered glass with #316 Stainless Steel Cover 鋼化玻璃和#316不銹鋼面蓋 # vidrio templado con cubierta de acero inoxidable 316 |
| Housing Color/ 外殼顏色 Color de la carcasa | #316 Stainless Steel Cover #316不銹鋼面蓋 # 316 de la cubierta de acero inoxidable |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +60 °C |
| Ingress Protection/ 防護等級 Protección de ingreso | IP67- (IEC 60529) |
| Dimension/尺寸 Dimensión | Light Fixture Dia 80 x H: 110mm Outer casing: Dia 68 x H: 125mm Cut off: Dia 70mm |
| Environment/ 使用環境 Medio ambiente | Outdoor / 戶外/al aire libre |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-13 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 6 / IEC 61547 |
| Certification-認證-Certificación |       |





IBRE

CO DIA85 xH 133mm



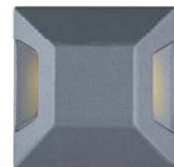
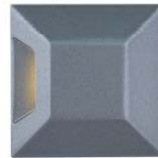
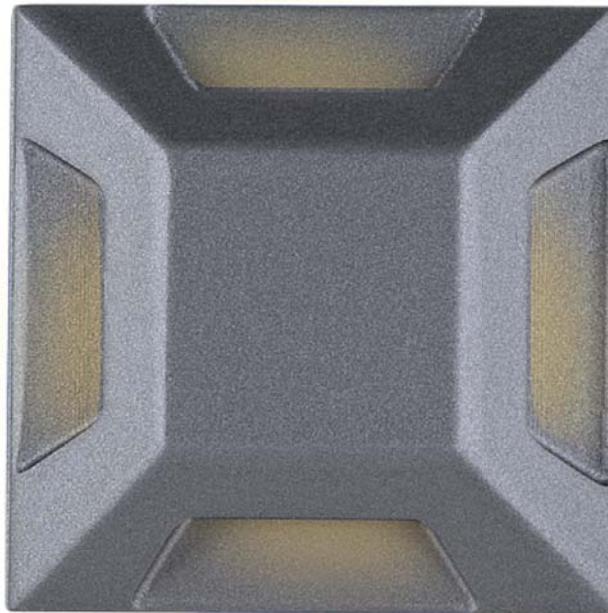
LED in-ground luminaires with small dimensions for flush-mounting installation. The luminaire housing made of die-cast aluminium and AISI 316 stainless steel Cover with tempered glass, 1.2 m PVC cable conduit. Optics with reflector or PMMA Lens. Outer casing made of plasticpropylene material to be ordered separately. It is available in monocolour and RGBWcolor. It is able to be controlled by DMX and RDM. It's as well a great alternative to urban furniture due to its IP67 protection rating. Static load resistance 2000 kg

Technical Data

| | |
|--|---|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Recessed In-Ground Type / 內嵌式地理燈 Empotrada en el suelo del Tipo |
| Power Consumption Max 燈具功率 Consumo de energía Max | 10W |
| Input Voltage / 輸入電壓 Voltaje de entrada | Constant Voltage input : DC 12V Constant Current input : 700mA |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver (constant current) --Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED ON/OFF AC100-240V 50/60Hz with constant current out put ELV Dimming Driver AC100-240V 50/60Hz with constant current out put 1-10V Dimming Driver AC100-240V 50/60Hz with constant current out put Dali Dimming Driver AC100-240V 50/60Hz with constant current out put DMX Driver constant current out put RDM Driver constant current out put |
| DMX Channel Per Luminaire 燈具DMX Canal de DMX por luminaria-DMX | 1 DMX Channel for Mono Color 單色燈為1個DMX地址 1 canal DMX para Mono color 4 DMX Channel for RGBW Color RGBW燈為4個DMX地址 4 canales DMX de color RGBW |
| Control Protocol/控制協議 Protocolo de Control | 1-10V / Dali/ DMX 512 / RDM |
| Beam Angle/光束角 ángulo de haz | Symmetric Angle-對稱發光角度-Ángulo simétrica 10° 30° 60° 120° |
| Light Source Brand/光源品牌 Fuente de luz de marca | CREE |
| "Lumen Maintenance LM-80 Reported by TM-21" | L90(10k) = 50,700 hrs / L80(10k) > 63,500 hrs / L70(10k) > 63,500 hrs |
| LED Life/LED壽命 La vida del LED | >60,000 hours |
| Color Temperature / 色溫 Temperatura del color | 2700K / 3000K / 4000K/ 5000K/ 6500K/RGBW(5000K) |
| Color Rendering Index/顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 2 SCDM 標準偏差配色 < 2 SCDM Coincidencia de color estándar Desviación |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 60lm/w(2700K) or (3000K) 70lm/w(4000K) 80lm/w(5000K) or (6500K) 40lm/w (RGBW@Full Load) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 100lm/w(2700K) or (3000K) 105lm/w(4000K) 120lm/w(5000K) or 120lm/w(6500K) 80lm/w (RGBW@Full Load) |
| Housing materials/外殼材料 Materiales de la carcasa | Die cast aluminium , 4mm thick tempered glass wiht #316 Stainless Steel Cover 壓鑄鋁, 鋼化玻璃和#316不銹鋼面蓋 Aluminio fundido, vidrio templado de 4 mm de espesor con # 316 de la cubierta de acero inoxidable |
| Housing Color/ 外殼顏色 Color de la carcasa | #316 Stainless Steel Cover #316不銹鋼面蓋 # 316 de la cubierta de acero inoxidable |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcion ambiente | -20 °C / +60 °C / -4 °F / +124 °F |
| Ingress Protection/ 防護等級 Protección de ingreso | IP67 |
| Dimension/尺寸 Dimensión | Light Fixture 95x 95 x H: 112mm Outer casing: Dia 84 x H: 133mm Cut off: Dia 85mm |
| Environment/ 使用環境 Medio ambiente | Outdoor / 戶外/al aire libre |
| Certification-認證-Certificación |     |





IANT

CO DIA 62 xH 95mm



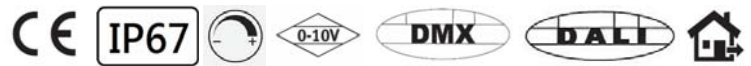
LED in-ground luminaires with small dimensions for flush-mounting installation. The luminaire housing made of die-cast aluminium with safety glass, without visible screws, 1.2 m PVC cable conduit. Optics with PMMA lens. Outer casing made of plasticpropylene material to be ordered separately. It is able to be controlled by DMX and RDM. It's as well a great alternative to urban furniture due to its IP67 protection rating.

Technical Data

| | |
|--|--|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Recessed In-Ground Type / 內嵌式地埋燈 Empotrada en el suelo del Tipo |
| Power Consumption Max 燈具功率 Consumo de energía Max | 3W @ one side light direction / 單向發光/ uno lados dirección de la luz 3W @ twin side light direction / 雙向發光/Dos lados dirección de la luz 3W @ four side light direction / 四向發光/Cuatro lados dirección de la luz |
| Input Voltage / 輸入電壓 Voltaje de entrada | Constant Voltage input : DC 12V Constant Current input : 350mA |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver ((constant current) --Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED ON/OFF AC100-240V 50/60Hz with constant current out put ELV Dimming Driver AC100-240V 50/60Hz with constant current out put 1-10V Dimming Driver AC100-240V 50/60Hz with constant current out put Dali Dimming Driver AC100-240V 50/60Hz with constant current out put DMX Driver constant current out put RDM Driver constant current out put |
| DMX Channel Per Luminaire 燈具DMX Canal de DMX por luminaria-DMX | 1 DMX Channel for Mono Color 單色燈為1個DMX地址 1 canal DMX para Mono color 3 DMX Channel for RGB Color RGB燈為3個DMX地址 3 canales DMX de color RGB |
| Control Protocol/控制協議 Protocolo de Control | 1-10V / Dali/ DMX 512 / RDM |
| Beam Angle/光束角 ángulo de haz | Symmetric Angle-對稱發光角度-Ángulo simétrica 20°(Lens with Clear Glass) |
| Light Source Brand/光源品牌 Fuente de luz de marca | CREE |
| "Lumen Maintenance LM-80 Reported by TM-21" | L90(10k) = 50,700 hrs / L80(10k) > 63,500 hrs / L70(10k) > 63,500 hrs |
| LED Life/LED壽命 La vida del LED | >60,000 hours |
| Color Temperature / 色溫 Temperatura del color | 2700K / 3000K / 4000K/ 5000K/ 6500K/RGB |
| Color Rendering Index/顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 2 SCDM 標準偏差配色 < 2 SCDM Coincidencia de color estándar Desviación |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 60lm/w(2700K) or (3000K) 70lm/w(4000K) 80lm/w(5000K) or (6500K) 30lm/w(RGB@Full Load) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 100lm/w(2700K) or (3000K) 105lm/w(4000K) 120lm/w(5000K) or 120lm/w(6500K) 50lm/w(RGB@Full Load) |
| Housing materials/外殼材料 Materiales de la carcasa | Die cast aluminium / 壓鑄鋁 / Aluminio fundido |
| Housing Color/ 外殼顏色 Color de la carcasa | Anodised Aluminium Titanium/陽極氧化鋁鈦 Aluminio anodizado titanio |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +60 °C / -4 °F / +124 °F |
| Ingress Protection/ 防護等級 Protección de ingreso | IP67 |
| Dimension/尺寸 Dimensión | Light Fixture 58.5x58.5 x H: 57mm Outer casing: DIA 62 x H: 95mm |
| Environment/ 使用環境 Medio ambiente | Outdoor / 戶外/al aire libre |
| Certification-認證-Certificación |     |







INNATY

D50&SQ50mm 2W Max IP67



LED in-ground luminaires with small dimensions for flush-mounting installation. The luminaire housing made of die-cast aluminium and AISI 316 stainless steel. Cover with tempered glass. Outer casing made of ABS material. It is able to be controlled by DMX and RDM. It's as well a great alternative to urban furniture due to its IP67 protection rating.

Technical Data

| | |
|--|---|
| Luminaire Type 安裝方式 Tipo de luminaria | Recessed In-Ground Type 內嵌式地埋燈 Empotrada en el suelo del Tipo |
| Power Consumption Max 燈具功率 Consumo de energía Max | 2W |
| Input Voltage 輸入電壓 Voltaje de entrada | DC24V |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ @ Integrated-type 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| Control Protocol 控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | • 10° • 25° • 40° • 60° |
| Light Source Brand/光源品牌 Fuente de luz de marca | OSRAM - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | L90(10k) = 50,700 hrs / L80(10k) > 63,500 hrs / L70(10k) > 63,500 hrs |
| LED Life/LED壽命 La vida del LED | >60,000 hours |
| Color Temperature / 色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K / RGB |
| Color Rendering Index/顯色指數 Índice de reproducción cromática | >80 @ MONO |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 60 Lm/w(2700K), • 60 Lm/w(3000K), • 65 Lm/w(4000K), • 70 Lm/w(5000K), • 70 Lm/w(6500K), • 40 Lm/w(RGB), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 100 Lm/w(2700K), • 100 Lm/w(3000K), • 105 Lm/w(4000K), • 120 Lm/w(5000K), • 120 Lm/w(6500K), • 70 Lm/w(RGB), |
| Housing materials/外殼材料 Materiales de la carcasa | Die cast aluminium , 4mm thick tempered glass with #316 Stainless Steel Cover 壓鑄鋁, 鋼化玻璃和#316不銹鋼面蓋 Aluminio fundido, vidrio templado de 4 mm de espesor con # 316 de la cubierta de acero inoxidable |
| Housing Color/ 外殼顏色 Color de la carcasa | #316 Stainless Steel Cover #316不銹鋼面蓋 # 316 de la cubierta de acero inoxidable |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection/ 防護等級 Protección de ingreso | IP67- (IEC 60529) |
| Dimension/尺寸 Dimensión | • Light Fixture: Dia 50 x H: 42 mm or L: 50 x W: 50 x H: 42 mm • Outer casing: Dia 42 x Dia 67 x H: 83 mm • Cut off: Dia 67mm |
| Environment/ 使用環境 Medio ambiente | Outdoor /戶外/al aire libre |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-13 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 6 / IEC 61547 |
| Certification-認證-Certificación |       |



INBERY


D160 To D250mm 25W Max IP67



LED in-ground luminaires with small dimensions for flush-mounting installation.
The luminaire housing made of die-cast aluminium and AISI 316 stainless steel
Cover with tempered glass and Anti-aging waterproof silicon gasket
Outer casing made of ABS material.
It's as well a great alternative to urban furniture due to its IP67 protection rating and IK10.

IN GROUND UP LIGHT

Technical Data

| | | | | |
|--|---|--|--|--|
| Luminaire Type 安裝方式 Tipo de luminaria | Recessed In-Ground Type 內嵌式地埋燈 Empotrada en el suelo del Tipo | | | |
| Power Consumption Max 燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 10W @ Dia 160 mm • 15W @ Dia 180 mm • 20W @ Dia 210 mm • 25W @ Dia 250 mm | | | |
| Input Voltage 輸入電壓 Voltaje de entrada | <ul style="list-style-type: none"> • AC100-240V @ MONO • DC24V + DMX 512 @ MONO @ RGB | | | |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. DALI Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ | | | |
| Control Protocol 控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control | | | |
| Beam Angle 光束角 ángulo de haz | 18° 40° 60° and Asymmetric Angle | | | |
| Light Source Brand/光源品牌 Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) | | | |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70(10k) > 60,000 hrs | | | |
| LED Life/LED壽命 La vida del LED | >60,000 hours | | | |
| Color Temperature / 色溫 / Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K / RGB | | | |
| Color Rendering Index/顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • >80 • >90 | | | |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM | | | |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 70 Lm/w(2700K), • 80 Lm/w(5000K), | 70 Lm/w(3000K), 80 Lm/w(6500K), | 80 Lm/w(4000K), 50 Lm/w(RGB), | |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 120 Lm/w(2700K), • 130Lm/w(5000K), | 120 Lm/w(3000K), 130 Lm/w(6500K), | 130 Lm/w(4000K), 100 Lm/w(RGB), | |
| Housing materials/外殼材料 Materiales de la carcasa | Die cast aluminium , 8mm thick tempered glass wiht #316 Stainless Steel Cover 壓鑄鋁,8mm厚鋼化玻璃和#316不銹鋼面蓋 Aluminio fundido, vidrio templado de 8 mm de espesor con # 316 de la cubierta de acero inoxidable | | | |
| Housing Color/ 外殼顏色 Color de la carcasa | #316 Stainless Steel Cover #316不銹鋼面蓋 # 316 de la cubierta de acero inoxidable | | | |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C | | | |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación | | | |
| Ingress Protection/ 防護等級 Protección de ingreso | IP67- (IEC 60529) | | | |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK10 | | | |
| Dimension/尺寸 Dimensión | Light Fixture: Dia 160 x H: 153mm Outer casing: Dia 147 x H: 156mm | Dia 180 x H: 162mm Dia 165 x H: 168mm | Dia 210 x H: 181mm Dia 193 x H: 194mm | Dia 250 x H: 190mm Dia 223 x H: 212mm |
| Environment/ 使用環境 Medio ambiente | Outdoor / 戶外 / al aire libre | | | |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-13 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 6 / IEC 61547 | | | |
| Certification 認證-Certificación |  | | | |

INCARY







D95&D130&D160mm 15W Max IP67



LED in-ground luminaires with small dimensions for flush-mounting installation. The luminaire housing made of die-cast aluminium and AISI 316 stainless steel Cover with T=8mm tempered glass. Optics with PMMA lens. It is available in monochrome and RGB color. Outer casing made of ABS material. It is able to be controlled by DMX and RDM. It's as well a great alternative to urban furniture due to its IP67 protection rating.

IN GROUND UP LIGHT

Technical Data

| | | | |
|--|---|--|--|
| Luminaire Type 安裝方式 Tipo de luminaria | Recessed In-Ground Type 內嵌式地埋燈 Empotrada en el suelo del Tipo | | |
| Power Consumption Max 燈具功率 Consumo de energía Max | • 5W @ Dia 95 x H: 116mm 153mm | 10W @ Dia 130 x H: 133mm | 15W @ Dia 160 x H: |
| Input Voltage 輸入電壓 Voltaje de entrada | • AC100-240V @ MONO • DC24V + DMX 512 @ MONO @ RGB | | |
| LED Driver Type LED 驅動款式 Tipo de controlador LED | Integrated / External-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ | | |
| Control Protocol 控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control | | |
| Beam Angle 光束角 ángulo de haz | • 10° 20° 30° 40° 60° 90° | | |
| Light Source Brand / 光源品牌 Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) | | |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1PCS | | |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70(10k) > 60,000 hrs | | |
| LED Life/LED 壽命 La vida del LED | >60,000 hours | | |
| Color Temperature / 色溫 / Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K / RGB | | |
| Color Rendering Index / 顯色指數 Índice de reproducción cromática | • >80 • >90 | | |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM | | |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 70 Lm/w(2700K), • 80 Lm/w(5000K), | 70 Lm/w(3000K), 80 Lm/w(6500K), | 80 Lm/w(4000K), 50 Lm/w(RGB), |
| LED Source Luminous Efficacy LED 光源光效 Fuente luminosa LED Eficacia | • 120 Lm/w(2700K), • 130Lm/w(5000K), | 120 Lm/w(3000K), 130 Lm/w(6500K), | 130 Lm/w(4000K), 100 Lm/w(RGB), |
| Housing materials / 外殼材料 Materiales de la carcasa | Die cast aluminium , 8mm thick tempered glass with #316 Stainless Steel Cover 壓鑄鋁, 8mm 厚鋼化玻璃和 #316 不銹鋼面蓋 Aluminio fundido, vidrio templado de 8 mm de espesor con # 316 de la cubierta de acero inoxidable | | |
| Housing Color / 外殼顏色 Color de la carcasa | #316 Stainless Steel Cover #316 不銹鋼面蓋 # 316 de la cubierta de acero inoxidable | | |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C | | |
| Operating Humidity - 工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación | | |
| Ingress Protection / 防護等級 Protección de ingreso | IP67- (IEC 60529) | | |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 | | |
| Dimension / 尺寸 Dimensión | • Light Fixture: Dia 95 x H: 116mm • Outer casing: Dia 85 x H: 118mm | Dia 130 x H: 133mm Dia 119 x H: 136mm | Dia 160 x H: 153mm Dia 156 x H: 147mm |
| Environment / 使用環境 Medio ambiente | Outdoor / 戶外 / al aire libre | | |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-13 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 6 / IEC 61547 | | |
| Certification-認證-Certificación |       | | |







INTERY

D180&D210&D250mm 30W Max IP67



LED in-ground luminaires with small dimensions for flush-mounting installation. The luminaire housing made of die-cast aluminium and AISI 316 stainless steel Cover with T=8mm tempered glass. Optics with PMMA lens. It is available in monocolour and RGB colour. Outer casing made of ABS material. It is able to be controlled by DMX and RDM. It's as well a great alternative to urban furniture due to its IP67 protection rating.

Technical Data

| | | | |
|---|--|--|--|
| Luminaire Type 安裝方式 Tipo de luminaria | Recessed In-Ground Type 內嵌式地埋燈 Empotrada en el suelo del Tipo | | |
| Power Consumption Max 燈具功率 Consumo de energía Max | • 20W @ Dia 180 mm | 25W @ Dia 210 mm | 30W @ Dia 250 mm |
| Input Voltage 輸入電壓 Voltaje de entrada | • AC100-240V @ MONO • DC24V + DMX 512 @ MONO @ RGB | | |
| LED Driver Type LED 驅動款式 Tipo de controlador LED | Integrated / External-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ | | |
| Control Protocol 控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control | | |
| Beam Angle 光束角 ángulo de haz | • 10° 20° 30° 40° 60° 90° | | |
| Light Source Brand / 光源品牌 Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) | | |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1PCS | | |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70(10k) > 60,000 hrs | | |
| LED Life/LED 壽命 La vida del LED | >60,000 hours | | |
| Color Temperature / 色溫 / Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K / RGB | | |
| Color Rendering Index / 顯色指數 Índice de reproducción cromática | • >80 • >90 | | |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM | | |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 70 Lm/w(2700K), • 80 Lm/w(5000K), | 70 Lm/w(3000K), 80 Lm/w(6500K), | 80 Lm/w(4000K), 50 Lm/w(RGB), |
| LED Source Luminous Efficacy LED 光源光效 Fuente luminosa LED Eficacia | • 120 Lm/w(2700K), • 130Lm/w(5000K), | 120 Lm/w(3000K), 130 Lm/w(6500K), | 130 Lm/w(4000K), 100 Lm/w(RGB), |
| Housing materials / 外殼材料 Materiales de la carcasa | Die cast aluminium , 8mm thick tempered glass wiht #316 Stainless Steel Cover 壓鑄鋁, 8mm 厚鋼化玻璃和 #316 不銹鋼面蓋 Aluminio fundido, vidrio templado de 8 mm de espesor con # 316 de la cubierta de acero inoxidable | | |
| Housing Color / 外殼顏色 Color de la carcasa | #316 Stainless Steel Cover #316 不銹鋼面蓋 # 316 de la cubierta de acero inoxidable | | |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcion amiento | -30 °C / +50 °C | | |
| Operating Humidity - 工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación | | |
| Ingress Protection / 防護等級 Protección de ingreso | IP67- (IEC 60529) | | |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 | | |
| Dimension / 尺寸 Dimensión | • Light Fixture: Dia 180 x H: 162mm • Outer casing: Dia 165 x H: 168mm | Dia 210 x H: 181mm Dia 193 x H: 194mm | Dia 250 x H: 190mm Dia 223 x H: 212mm |
| Environment / 使用環境 Medio ambiente | Outdoor / 戶外 / al aire libre | | |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-13 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 6 / IEC 61547 | | |
| Certification-認證-Certificación |       | | |


INDICA

D180&D210&D250mm 54W Max IP67



LED in-ground luminaires with small dimensions for flush-mounting installation. The luminaire housing made of die-cast aluminium and AISI 316 stainless steel Cover with tempered glass. Optics with PMMA lens. It is available in monochrome and RGB color. Outer casing made of ABS material. It is able to be controlled by DMX and RDM. It's as well a great alternative to urban furniture due to its IP67 protection rating.

Technical Data

| Luminaire Type 安裝方式 Tipo de luminaria | Recessed In-Ground Type 內嵌式地埋燈 Empotrada en el suelo del Tipo | | |
|--|---|--|--|
| Power Consumption Max 燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 8W @ Dia 180 x H: 162mm • 12W @ Dia 180 x H: 162mm • 18W @ Dia 180 x H: 162mm • 25W @ Dia 180 x H: 162mm • 30W @ Dia 210 x H: 181mm • 36W @ Dia 210 x H: 181mm • 45W @ Dia 250 x H: 190mm • 54W @ Dia 250 x H: 190mm | <ul style="list-style-type: none"> 10W @ Dia 180 x H: 162mm 15W @ Dia 180 x H: 162mm 20W @ Dia 180 x H: 162mm 27W @ Dia 180 x H: 162mm 33W @ Dia 210 x H: 181mm 40W @ Dia 250 x H: 190mm 50W @ Dia 250 x H: 190mm | |
| Input Voltage 輸入電壓 Voltaje de entrada | <ul style="list-style-type: none"> • AC100-240V @ MONO • DC24V + DMX 512 @ MONO @ RGB | | |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ | | |
| Control Protocol 控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control | | |
| Beam Angle 光束角 ángulo de haz | • 10° 25° 40° 60° | | |
| Light Source Brand/光源品牌 Fuente de luz de marca | OSRAM - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) | | |
| QTY of LEDs-燈珠數量-CANT de LEDs | <ul style="list-style-type: none"> • 9pcs @ Dia 180 x H: 162 mm • 12pcs @ Dia 210 x H: 181 mm • 18pcs @ Dia 250 x H: 190 mm | | |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70(10k) > 60,000 hrs | | |
| LED Life/LED壽命 La vida del LED | >60,000 hours | | |
| Color Temperature / 色溫 / Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K / RGB | | |
| Color Rendering Index/顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • >80 • >90 | | |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM | | |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 70 Lm/w(2700K), • 80 Lm/w(5000K), | <ul style="list-style-type: none"> 70 Lm/w(3000K), 80 Lm/w(6500K), | <ul style="list-style-type: none"> 80 Lm/w(4000K), 50 Lm/w(RGB), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 120 Lm/w(2700K), • 130Lm/w(5000K), | <ul style="list-style-type: none"> 120 Lm/w(3000K), 130 Lm/w(6500K), | <ul style="list-style-type: none"> 130 Lm/w(4000K), 100 Lm/w(RGB), |
| Housing materials/外殼材料 Materiales de la carcasa | Die cast aluminium , 8mm thick tempered glass with #316 Stainless Steel Cover 壓鑄鋁,8mm厚鋼化玻璃和#316不銹鋼面蓋 Aluminio fundido, vidrio templado de 8 mm de espesor con # 316 de la cubierta de acero inoxidable | | |
| Housing Color/ 外殼顏色 Color de la carcasa | #316 Stainless Steel Cover #316不銹鋼面蓋 # 316 de la cubierta de acero inoxidable | | |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C | | |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación | | |
| Ingress Protection/ 防護等級 Protección de ingreso | IP67- (IEC 60529) | | |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK10 | | |
| Dimension/尺寸 Dimensión | Light Fixture: Dia 180 x H: 162mm Outer casing: Dia 165 x H: 168mm | Dia 210 x H: 181mm Dia 210 x H: 193mm | Dia 250 x H: 190mm Dia 223 x H: 212mm |
| Environment/ 使用環境 Medio ambiente | Outdoor /戶外/al aire libre | | |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-13 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 6 / IEC 61547 | | |
| Certification-認證-Certificación |  | | |



INTECH






SQ215xH173mm 36W Max IP67



LED in-ground luminaires with small dimensions for flush-mounting installation. The luminaire housing made of die-cast aluminium and AISI 316 stainless steel. Cover with tempered glass. Outer casing made of ABS material. It is able to be controlled by DMX and RDM. It's as well a great alternative to urban furniture due to its IP67 protection rating.

IN GROUND UP LIGHT

Technical Data

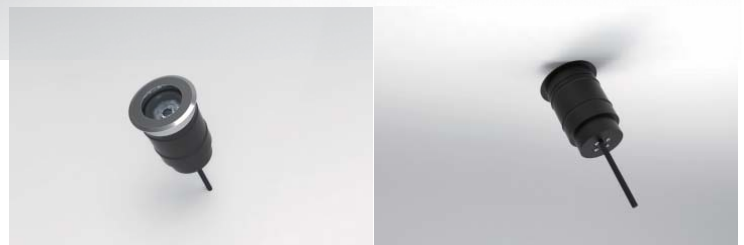
| | |
|--|---|
| Luminaire Type 安裝方式 Tipo de luminaria | Recessed In-Ground Type 內嵌式地埋燈 Empotrada en el suelo del Tipo |
| Power Consumption Max 燈具功率 Consumo de energía Max | • 18W • 36W |
| Input Voltage 輸入電壓 Voltaje de entrada | • AC220-240V 50/60HZ • DC24V |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ @ Integrated-type 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| Control Protocol 控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | • 15° • 24° • 38° |
| Light Source Brand/光源品牌 Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | L90(10k) = 50,700 hrs / L80(10k) > 63,500 hrs / L70(10k) > 63,500 hrs |
| LED Life/LED壽命 La vida del LED | >60,000 hours |
| Color Temperature / 色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index/顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 105 Lm/w(2700K), • 105 Lm/w(3000K), • 110 Lm/w(4000K), • 115 Lm/w(5000K), • 115 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 130 Lm/w(2700K), • 130 Lm/w(3000K), • 140 Lm/w(4000K), • 150 Lm/w(5000K), • 150 Lm/w(6500K), |
| Housing materials/外殼材料 Materiales de la carcasa | Die cast aluminium , 4mm thick tempered glass wiht #316 Stainless Steel Cover 壓鑄鋁, 鋼化玻璃和#316不銹鋼面蓋 Aluminio fundido, vidrio templado de 4 mm de espesor con # 316 de la cubierta de acero inoxidable |
| Housing Color/ 外殼顏色 Color de la carcasa | #316 Stainless Steel Cover #316不銹鋼面蓋 # 316 de la cubierta de acero inoxidable |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Operating Humidity - 工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection/ 防護等級 Protección de ingreso | IP67- (IEC 60529) |
| Dimension/尺寸 Dimensión | Light Fixture: L215 x W215 x H205 mm Outer casing: L230 x W230 x H205 mm |
| Environment/ 使用環境 Medio ambiente | Outdoor / 戶外/al aire libre |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-13 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 6 / IEC 61547 |
| Certification-認證-Certificación |      |

UNDER WATER LIGHTING



WEER









DIA 76 12W Max IP68



LED in-ground luminaires with small dimensions for flush-mounting installation. The luminaire housing made of die-cast aluminium and AISI 316 stainless steel Cover with tempered glass. Optics with PMMA lens. It is available in monocolour and RGB colour. Outer casing made of ABS material. It is able to be controlled by DMX and RDM. It's as well a great alternative to urban furniture due to its IP68 protection rating.

UNDER WATER LIGHT

Technical Data

| | | | |
|---|---|--------------------------------------|-------------------------------------|
| Luminaire Type 安裝方式 Tipo de luminaria | Recessed In-Ground Type 內嵌式地埋燈 Empotrada en el suelo del Tipo | | |
| Power Consumption Max 燈具功率 Consumo de energía Max | • 5W | 8W | 10W 12W |
| Input Voltage 輸入電壓 Voltaje de entrada | <ul style="list-style-type: none"> • 1000mA @12W • 800mA @ 10W • 700mA @ 8W • 350mA @5W • DC24V + DMX 512 @ MONO @ RGBW | | |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remoted-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ | | |
| Control Protocol 控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control | | |
| Beam Angle 光束角 ángulo de haz | 10° | 26° | 40° 60° |
| Light Source Brand/光源品牌 Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) | | |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1 PCS CREE LED COB Array | | |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70(10k) > 60,000 hrs | | |
| LED Life/LED壽命 La vida del LED | >60,000 hours | | |
| Color Temperature / 色溫 / Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K / RGBW (3500 / 4000K / 5000K) | | |
| Color Rendering Index/顯色指數 Índice de reproducción cromática | >80 >90 | | |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM | | |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 70 Lm/w(2700K), 90 Lm/w(5000K), | 80 Lm/w(3000K), 90 Lm/w(6500K), | 90 Lm/w(4000K), 50 Lm/w(RGBW), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 120 Lm/w(2700K), 140Lm/w(5000K), | 130 Lm/w(3000K), 140 Lm/w(6500K), | 140 Lm/w(4000K), 100 Lm/w(RGBW), |
| Housing materials/外殼材料 Materiales de la carcasa | Die cast aluminium ,tempered glass wiht #316 Stainless Steel Cover 壓鑄鋁, 鋼化玻璃和#316不銹鋼面蓋 Aluminio fundido, vidrio templado de con # 316 de la cubierta de acero inoxidable | | |
| Housing Color/ 外殼顏色 Color de la carcasa | <ul style="list-style-type: none"> • #316 Stainless Steel Cover #316不銹鋼面蓋 # 316 de la cubierta de acero inoxidable • #316 Stainless Steel Chrome Black #316不銹鋼鉻黑 # 316 Acero inoxidable Cromo Negro | | |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C | | |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación | | |
| Ingress Protection/ 防護等級 Protección de ingreso | IP68 | | |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 | | |
| Dimension-尺寸-Dimensión Refer to Dimension Drawing請參閱尺寸圖 Consulte el dibujo de dimensiones | <ul style="list-style-type: none"> • Type A • Type B • Type C | | |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | <ul style="list-style-type: none"> • LED Luminaries: LVD: IEC 60598-1; IEC 60598-2-1; IEC62471; IEC 62031; IEC62471, ROHS TM21-L70 • LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; IEC/EN 61000-3-3; IEC/EN61574; EN 55015 ; IEC /EN 62384 | | |
| Certification-認證-Certificación |         | | |







IARE

D45&SQ45mm 3W Max IP67



LED in-ground luminaires with small dimensions for flush-mounting installation. The luminaire housing made of die-cast aluminium and AISI 316 stainless steel. Cover with tempered glass. Optics with PMMA lens. It is available in monochrome and RGBW color. Outer casing made of ABS material. It is able to be controlled by DMX and RDM. It's as well a great alternative to urban furniture due to its IP67 protection rating.

Technical Data

| | |
|--|---|
| Luminaire Type 安裝方式 Tipo de luminaria | Recessed In-Ground Type 內嵌式埋燈 Empotrada en el suelo del Tipo |
| Power Consumption Max 燈具功率 Consumo de energía Max | • 1W • 2W • 3W |
| Input Voltage 輸入電壓 Voltaje de entrada | DC24V |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ @ Integrated-type 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| Control Protocol 控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | • 10° • 25° • 40° • 60° • 120° |
| Light Source Brand/光源品牌 Fuente de luz de marca | OSRAM - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | L90(10k) = 50,700 hrs / L80(10k) > 63,500 hrs / L70(10k) > 63,500 hrs |
| LED Life/LED壽命 La vida del LED | >60,000 hours |
| Color Temperature / 色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K / RGB |
| Color Rendering Index/顯色指數 Índice de reproducción cromática | >80 @ MONO |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 60 Lm/w(2700K), • 60 Lm/w(3000K), • 65 Lm/w(4000K), • 70 Lm/w(5000K), • 70 Lm/w(6500K), • 40 Lm/w(RGB), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 100 Lm/w(2700K), • 100 Lm/w(3000K), • 105 Lm/w(4000K), • 120 Lm/w(5000K), • 120 Lm/w(6500K), • 70 Lm/w(RGB), |
| Housing materials/外殼材料 Materiales de la carcasa | Die cast aluminium , 4mm thick tempered glass with #316 Stainless Steel Cover 壓鑄鋁, 鋼化玻璃和#316不銹鋼面蓋 Aluminio fundido, vidrio templado de 4 mm de espesor con # 316 de la cubierta de acero inoxidable |
| Housing Color/ 外殼顏色 Color de la carcasa | #316 Stainless Steel Cover #316不銹鋼面蓋 # 316 de la cubierta de acero inoxidable |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection/ 防護等級 Protección de ingreso | IP67- (IEC 60529) |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK10 |
| Dimension/尺寸 Dimensión | • Light Fixture: Dia 45 x H: 65mm or L: 45 x W: 45 x H: 65 mm • Outer casing: Dia 42 x Dia 67 x H: 83 mm • Cut off: Dia 67mm |
| Environment/ 使用環境 Medio ambiente | Outdoor /戶外/al aire libre |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-13 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 6 / IEC 61547 |
| Certification-認證-Certificación |       |








UAL

DIA 120xH64mm



LED Under Water Light : Protection class IP 68 , Made of AISI 316 Stainless steel with 5m water resistant cable. Optics with PMMA Lens. It is available in monocolour and RGB color Optional: controlled by DMX and RDM. Recommended installation depth 400 to 700 mm under the water surface.

Technical Data

| | |
|--|--|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Recessed In-Ground Type / 內嵌式地埋燈 Empotrada en el suelo del Tipo |
| Power Consumption Max 燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 3W • 6W • 9W |
| Input Voltage / 輸入電壓 Voltaje de entrada | <ul style="list-style-type: none"> • Constant Voltage input : DC 24 V • Constant Current input : 350mA @3W • Constant Current input : 700mA @3W • Constant Current input : 1000mA @9W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver ((constant current) --Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED ON/OFF AC100-240V 50/60Hz with constant current out put ELV Dimming Driver AC100-240V 50/60Hz with constant current out put 1-10V Dimming Driver AC100-240V 50/60Hz with constant current out put Dali Dimming Driver AC100-240V 50/60Hz with constant current out put DMX Driver constant current out put RDM Driver constant current out put |
| DMX Channel Per Luminaire 燈具DMX Canal de DMX por luminaria-DMX | <p>1 DMX Channel for Mono Color 單色燈為1個DMX地址 1 canal DMX para Mono color</p> <hr/> <p>3 DMX Channel for RGB Color RGB燈為3個DMX地址 3 canales DMX de color RGB</p> |
| Control Protocol/控制協議 Protocolo de Control | 1-10V / Dali/ DMX 512 / RDM |
| Beam Angle/光束角 ángulo de haz | • 10° 24° 36° 45° 60° |
| Light Source Brand/光源品牌 Fuente de luz de marca | CREE |
| "Lumen Maintenance LM-80 Reported by TM-21" | L90(10k) = 50,700 hrs / L80(10k) > 63,500 hrs / L70(10k) > 63,500 hrs |
| LED Life/LED壽命 La vida del LED | >60,000 hours |
| Color Temperature / 色溫 Temperatura del color | 2700K / 3000K / 4000K/ 5000K/ 6500K/RGB |
| Color Rendering Index/顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 2 SCDM 標準偏差配色 < 2 SCDM Coincidencia de color estándar Desviación |
| Luminaire Efficacy燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 85lm/w(2700K) 85lm/w(3000K) 90lm/w(4000K) • 90lm/w(5000K) 90lm/w(6500K) 40lm/w(RGB@Full Load) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 125lm/w(2700K) 125lm/w(3000K) 130lm/w(4000K) • 130lm/w(5000K) 130lm/w(6500K) 80lm/w(RGB@Full Load) |
| Housing materials/外殼材料 Materiales de la carcasa | AISI 316 Stainless Steel and 4mm thick tempered glass AISI 316不銹鋼4mm厚鋼化玻璃 Acero inoxidable AISI 316 y vidrio templado de 4 mm de espesor |
| Housing Color/ 外殼顏色 Color de la carcasa | AISI 316 Stainless Steel Color AISI 316不銹鋼 AISI 316 Acero inoxidable Color |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcion amento | -20 °C / +60 °C / -4 °F / +124 °F |
| Ingress Protection/ 防護等級 Protección de ingreso | IP68 |
| Dimension/尺寸 Dimensión | Fixture : Dia 120x H 64 Outer casing : Dia 125 x H 113mm Cut off : Dia 125mm |
| Environment/ 使用環境 Medio ambiente | Outdoor /戶外/al aire libre |
| Certification-認證-Certificación |        |

UALL





DIA 150xH67mm



LED Under Water Light : Protection class IP 68 , Made of AISI 316 Stainless steel with 5m water resistant cable. Optics with PMMA Lens. It is available in monocolour and RGB color Optional: controlled by DMX and RDM. Recommended installation depth 400 to 700 mm under the water surface.

UNDER WATER LIGHT

Technical Data

| | |
|--|--|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Recessed In-Ground Type / 內嵌式地埋燈 Empotrada en el suelo del Tipo |
| Power Consumption Max 燈具功率 Consumo de energía Max | 18W (6x3W) |
| Input Voltage / 輸入電壓 Voltaje de entrada | Constant Voltage input : DC 24 V Constant Current input : 350mA |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver ((constant current)) --Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED ON/OFF AC100-240V 50/60Hz with constant current out put ELV Dimming Driver AC100-240V 50/60Hz with constant current out put 1-10V Dimming Driver AC100-240V 50/60Hz with constant current out put Dali Dimming Driver AC100-240V 50/60Hz with constant current out put DMX Driver constant current out put RDM Driver constant current out put |
| DMX Channel Per Luminaire 燈具DMX Canal de DMX por luminaria-DMX | 1 DMX Channel for Mono Color 單色燈為1個DMX地址 1 canal DMX para Mono color 3 DMX Channel for RGB Color RGB燈為3個DMX地址 3 canales DMX de color RGB |
| Control Protocol/控制協議 Protocolo de Control | 1-10V / Dali/ DMX 512 / RDM |
| Beam Angle/光束角 ángulo de haz | Symmetric Angle-對稱發光角度-Ángulo simétrica 10° 30° 60° |
| Light Source Brand/光源品牌 Fuente de luz de marca | CREE |
| "Lumen Maintenance LM-80 Reported by TM-21" | L90(10k) = 50,700 hrs / L80(10k) > 63,500 hrs / L70(10k) > 63,500 hrs |
| LED Life/LED壽命 La vida del LED | >60,000 hours |
| Color Temperature / 色溫 Temperatura del color | 2700K / 3000K / 4000K/ 5000K/ 6500K/RGB |
| Color Rendering Index/顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 2 SCDM 標準偏差配色 < 2 SCDM Coincidencia de color estándar Desviación |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 60lm/w(2700K) or (3000K) 70lm/w(4000K) 80lm/w(5000K) or (6500K) 30lm/w(RGB@Full Load) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 100lm/w(2700K) or (3000K) 105lm/w(4000K) 120lm/w(5000K) or 120lm/w(6500K) 50lm/w(RGB@Full Load) |
| Housing materials/外殼材料 Materiales de la carcasa | AISI 316 Stainless Steel and 4mm thick tempered glass AISI 316不銹鋼4mm厚鋼化玻璃 Acero inoxidable AISI 316 y vidrio templado de 4 mm de espesor |
| Housing Color/ 外殼顏色 Color de la carcasa | • AISI 316 Stainless Steel Color • AISI 316不銹鋼 • AISI 316 Acero inoxidable Color |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de función ambiente | -20 °C / +60 °C / -4 °F / +124 °F |
| Ingress Protection/ 防護等級 Protección de ingreso | IP68 |
| Dimension/尺寸 Dimensión | Fixture : Dia 150 x H 67 Outer casing : Dia 125 x H 125mm Cut off : Dia 150mm |
| Environment/ 使用環境 Medio ambiente | Outdoor /戶外/al aire libre |
| Certification-認證-Certificación |     |

UBB





DIA 95xH80mm



LED Under Water Light : Protection class IP 68 , Made of AISI 316 Stainless steel with 5m water resistant cable. Optics with PMMA Lens. It is available in monocolour and RGB color Optional: controlled by DMX and RDM. Recommended installation depth 400 to 700 mm under the water surface.

UNDER WATER LIGHT

Technical Data

| | |
|--|---|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Recessed In-Ground Type / 內嵌式地埋燈 Empotrada en el suelo del Tipo |
| Power Consumption Max 燈具功率 Consumo de energía Max | 10W |
| Input Voltage / 輸入電壓 Voltaje de entrada | Constant Voltage input : DC 24 V Constant Current input : 350mA |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver (constant current) --Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED ON/OFF AC100-240V 50/60Hz with constant current out put ELV Dimming Driver AC100-240V 50/60Hz with constant current out put 1-10V Dimming Driver AC100-240V 50/60Hz with constant current out put Dali Dimming Driver AC100-240V 50/60Hz with constant current out put DMX Driver constant current out put RDM Driver constant current out put |
| DMX Channel Per Luminaire 燈具DMX Canal de DMX por luminaria-DMX | 1 DMX Channel for Mono Color 單色燈為1個DMX地址 1 canal DMX para Mono color 4 DMX Channel for RGBW Color RGBW燈為4個DMX地址 4 canales DMX de color RGBW |
| Control Protocol/控制協議 Protocolo de Control | 1-10V / Dali/ DMX 512 / RDM |
| Beam Angle/光束角 ángulo de haz | Symmetric Angle-對稱發光角度-Ángulo simétrica 10° 30° 60° |
| Light Source Brand/光源品牌 Fuente de luz de marca | CREE |
| "Lumen Maintenance LM-80 Reported by TM-21" | L90(10k) = 50,700 hrs / L80(10k) > 63,500 hrs / L70(10k) > 63,500 hrs |
| LED Life/LED壽命 La vida del LED | >60,000 hours |
| Color Temperature / 色溫 Temperatura del color | 2700K / 3000K / 4000K/ 5000K/ 6500K/RGBW(5000K) |
| Color Rendering Index/顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 2 SCDM 標準偏差配色 < 2 SCDM Coincidencia de color estándar Desviación |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 60lm/w(2700K) or (3000K) 70lm/w(4000K) 80lm/w(5000K) or (6500K) 40lm/w (RGBW@Full Load) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 100lm/w(2700K) or (3000K) 105lm/w(4000K) 120lm/w(5000K) or 120lm/w(6500K) 80lm/w (RGBW@Full Load) |
| Housing materials/外殼材料 Materiales de la carcasa | AISI 316 Stainless Steel and 4mm thick tempered glass AISI 316不銹鋼4mm厚鋼化玻璃 Acero inoxidable AISI 316 y vidrio templado de 4 mm de espesor |
| Housing Color/ 外殼顏色 Color de la carcasa | AISI 316 Stainless Steel Color AISI 316不銹鋼 AISI 316 Acero inoxidable Color |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +60 °C / -4 °F / +124 °F |
| Ingress Protection/ 防護等級 Protección de ingreso | IP68 |
| Dimension/尺寸 Dimensión | Fixture : Dia 95 x H 80 Outer casing : Dia 84 x H 113mm Cut off : Dia 85mm |
| Environment/ 使用環境 Medio ambiente | Outdoor /戶外/al aire libre |
| Certification-認證-Certificación |     |



ULY

DIA 170 x 185mm



LED Under Water Light or LED Flood Light : Protection class IP 68 , Made of AISI 316 Stainless steel with 5m water resistant cable and Surface numerical control processing. Optics with PMMA Lens. It is available in monicolor and RGB color Optional: controlled by DMX and RDM. Recommended installation depth 400 to 700 mm under the water surface.







UNDER WATER LIGHT

ULY

DIA 170 x 185mm

DIMON
TECHNOLOGY

Technical Data

| | |
|---|--|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Surface Mounted and Adjustable Type 明裝可調安裝腳 Tipo montado en superficie y ajustable |
| Power Consumption Max 燈具功率 Consumo de energía Max | • 18W (18x1W) • 36W (18x2W) |
| Input Voltage / 輸入電壓 Voltaje de entrada | Constant Voltage input : AC/DC 24 V Constant Current input : 350mA @18W Constant Current input: 700mA @ 36W |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver ((constant current) --Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED ON/OFF AC100-240V 50/60Hz with constant current out put ELV Dimming Driver AC100-240V 50/60Hz with constant current out put 1-10V Dimming Driver AC100-240V 50/60Hz with constant current out put Dali Dimming Driver AC100-240V 50/60Hz with constant current out put DMX Driver constant current out put RDM Driver constant current out put |
| DMX Channel Per Luminaire 燈具DMX Canal de DMX por luminaria-DMX | 1 DMX Channel for Mono Color 單色燈為1個DMX地址 1 canal DMX para Mono color 3 DMX Channel for RGB Color RGB燈為3個DMX地址 3 canales DMX de color RGB |
| Control Protocol/控制協議 Protocolo de Control | 1-10V / Dali/ DMX 512 / RDM |
| Beam Angle/光東角 ángulo de haz | Symmetric Angle-對稱發光角度-Ángulo simétrica 10° 15° 24° 30° 60° |
| Light Source Brand/光源品牌 Fuente de luz de marca | Bridgelux |
| "Lumen Maintenance LM-80 Reported by TM-21" | L90(10k) = 50,700 hrs / L80(10k) > 63,500 hrs / L70(10k) > 63,500 hrs |
| LED Life/LED壽命 La vida del LED | >60,000 hours |
| Color Temperature / 色溫 Temperatura del color | 2700K / 3000K / 4000K/ 5000K/ 6500K/RGB (6R6G6B) |
| Color Rendering Index/顯色指數 Índice de reproducción cromática | >80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 2 SCDM 標準偏差配色 < 2 SCDM Coincidencia de color estándar Desviación |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | 90lm/w(2700K) or (3000K) 100lm/w(4000K) 110lm/w(5000K) or (6500K) 30lm/w(RGB@Full Load) |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | 120lm/w(2700K) or (3000K) 140lm/w(4000K) 160lm/w(5000K) or 120lm/w(6500K) 50lm/w(RGB@Full Load) |
| Housing materials/外殼材料 Materiales de la carcasa | AISI 316 Stainless Steel and 4mm thick tempered glass AISI 316不銹鋼4mm厚鋼化玻璃 Acero inoxidable AISI 316 y vidrio templado de 4 mm de espesor |
| Housing Color/ 外殼顏色 Color de la carcasa | AISI 316 Stainless Steel Color AISI 316不銹鋼 AISI 316 Acero inoxidable Color |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcion amiento | -20 °C / +60 °C / -4 °F / +124 °F |
| Ingress Protection/ 防護等級 Protección de ingreso | IP68 |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK09 |
| Dimension/尺寸 Dimensión | Fixture : Dia 170x H 185(with Bracket) mm |
| Environment/ 使用環境 Medio ambiente | Outdoor /戶外/al aire libre |
| Certification-認證-Certificación |       |

UNDER WATER LIGHT

FACADE & MEDIA LED LIGHTING












LACKE

W:28mm 20W Max IP67



LED MEDIA LINEAR BAR is a indoor and outdoor fixture with RGB , RGBW or MONO color for media façade application. Made by 6063 extruded aluminium & Anti UV PMMA Non-Dot Diffuser . UV Resistant to plaster exterior wall powder coating for Anti-corrosion Protection. High-level mechanical impact protection IK10 and IP67 Ingress Protection. Photobiological safety grade -Blue light hazard raiance : RG1 (Risk Group 1). Continuous dimming range 0-100% without flickering.

Technical Data

| | |
|--|---|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Surface Mount Type 明裝安裝腳 Tipo de montaje en superficie |
| Color -顏色-Color | RGBW (White: O: 2700K W: 3000K N: 4000K D:5000K C: 6500K) RGB TW: Tunable White (2700K to 6500K) MONO:2700K / 3000K / 4000K / 5000K / 6500K |
| Power Consumption Max 燈具最大功率 Consumo de energía Max | 3W @250mm 6W@500mm 12W@1000mm 16W @ 1500mm 20W@2000mm |
| Input Voltage / 輸入電 /Voltaje de entrada | DC24V |
| Pixels & DMX Channels //Meter 像素和DMX 通道/米 Píxeles y canales DMX // Metro | 1Pixel (1 DMX Channel @ Mono; 3 DMX Channel @ RGB; 4 DMX Channel @ RGBW; 2 DMX Channel @TW) 2Pixels(2 DMX Channel @ Mono; 6 DMX Channel @ RGB; 8 DMX Channel @ RGBW; 4 DMX Channel @TW) 4Pixels(4 DMX Channel @ Mono; 12 DMX Channel @ RGB; 16 DMX Channel @ RGBW; 8 DMX Channel @TW) 5Pixels(5 DMX Channel @ Mono; 15 DMX Channel @ RGB; 20 DMX Channel @ RGBW; 10 DMX Channel @TW) 10Pixels(10 DMX Channel @ Mono; 30 DMX Channel @ RGB;40 DMX Channel @ RGBW; 20 DMX Channel @TW) |
| Control Protocol-控制協議 Protocolo de Control | Built- In DMX 512 or Remoted LED Driver for 0-10V / Dali(LED Driver Life >50,000 hrs PF:>0.9 THD <20%) |
| Color Range 顏色範圍 Gama de colores | 16.7 Million additive RGB colors and White LED 1670萬RGB顏色配合白光LED 16.7 Millones de colores aditivos RGB; LED blanco |
| Mono, RGB or RGBW Color Resolution with Gamma correction 單色, RGB, RGBW顏色經過伽馬校正的分辨率 Resolución de color mono, RGB o RGBW con corrección gamma | 16-bit gray scale control and Gamma correction, supports up to 65,536 gray scales for color depths 16位灰度控制, 支持高達65,536個灰度級的顏色深度 control de escala de grises de 16 bits, soporta hasta 65.536 escalas de gris para profundidades de color |
| Beam Angle/光束角 ángulo de haz | • 120° @ Type A 110° x 150° @ Type B&C |
| Light Source Brand/光源品牌 Fuente de luz de marca | CREE |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | >80 @ White LED >90 @ White LED |
| Lumen Maintenance Reported by TM-21 @ 25°C TM-21 光衰壽命@ 25°C Mantenimiento del lumen informado por TM-21 @ 25°C | • L90 > 40,700 hrs • L80 > 53,500 hrs • L70 > 53,500 hrs |
| LED Life/LED壽命 La vida del LED | >50,000 hours |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy-燈具效率 La eficacia de la luminaria | 55lm/W @ RGBW 70 Lm/w(2700K) @ MONO 85 Lm/w(3000K) @ MONO 90 Lm/w(4000K) @ MONO 100 Lm/w(5000K) @ MONO 100 Lm/w(6500K) @ MONO 48lm/w@ RGB 80 Lm/w @ TW -Tunable White |
| LED Source Luminous Efficacy-LED光源光效 Fuente luminosa LED Eficacia | 70lm/W @ RGBW 130 Lm/w(2700K) @ MONO 130Lm/w(3000K) @ MONO 140 Lm/w(4000K) @ MONO 150 Lm/w(5000K) @ MONO 150 Lm/w(6500K) @ MONO 65lm/w@ RGB 150 Lm/w @TW -Tunable White |
| Housing materials/外殼材料 Materiales de la carcasa | 6063 extruded aluminium & Anti UV PMMA Diffuser 6063擠壓鋁和 抗紫外線PMMA擴散乳白罩 Difusor de aluminio extruido 6063 y anti-UV PMMA |
| Housing Color/ 邊框殼顏色 Color de la carcasa | Powder Coated in Silver Grey- UV Resistant plaster powder coating for Anti-corrosion Protection 銀灰色粉末塗料 (抗紫外線和抗腐蝕) Recubrimiento en polvo en gris plateado - Recubrimiento en polvo de yeso resistente a los rayos UV para protección anticorrosión |
| Ingress Protection/ 防護等級Protección de ingreso | IP67 (IEC 60598-1) |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK10 - IEC 62262 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +60 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Dimension/尺寸Dimensión/ (Lx W x H) | Refer to Technical Drawing 請參閱技術圖紙Consulte el dibujo técnico |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | EN/ IEC 60598-1;EN/IEC 60598-2-1;EN/IEC 62471 (RG1) ;EN/IEC 62493;EN/IEC 62031;IEC TR 62778; IEC62262; IEC62722-1; IEC 62722-2-1 RoHS CIBSE TMS or IES TM21-L70 EN 55015; EN/IEC 61547 ;EN/IEC 61000-3-2; EN/IEC 61347-1;EN/IEC 61347-2-13;EN/ IEC 62384 |
| Certification-認證-Certificación |          |







LEATY

W:18mm 12W Max IP67



LED MEDIA LINEAR BAR is a indoor and outdoor fixture with RGB , RGBW or MONO color for media façade application. Made by 6063 extruded aluminium & PMMA Non-Dot Diffuser with UVResistant to plaster exterior wall powder coating for Anti-corrosion Protection. High-level mechanical impact protection IK10 and IP67 Ingress Protection. Photobiological safety grade -Blue light hazard raiance : RG1 (Risk Group 1)

Technical Data

| | |
|--|---|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Surface Mount Type 明裝安裝腳 Tipo de montaje en superficie |
| Color -顏色-Color | <ul style="list-style-type: none"> • RGBW (White: O: 2700K W: 3000K N: 4000K D:5000K C: 6500K) • RGB • Color Temperature Adjustment CTA (2700K to 6500K) • MONO:2700K / 3000K / 4000K / 5000K / 6500K |
| Power Consumption Max 燈具最大功率 Consumo de energía Max | <ul style="list-style-type: none"> • 3W @250mm 6W@500mm 12W@1000mm • Tailor-made - 客制生產-Hecho a medida |
| Input Voltage / 輸入電 /Voltaje de entrada | DC24V |
| Pixels & DMX Channels //Meter 像素和DMX 通道/米 Píxeles y canales DMX // Metro | <ul style="list-style-type: none"> • 1Pixel (1 DMX Channel @ Mono; 3 DMX Channel @ RGB; 4 DMX Channel @ RGBW; 2 DMX Channel @CTA) • 2Pixels(2 DMX Channel @ Mono; 6 DMX Channel @ RGB; 8 DMX Channel @ RGBW; 4 DMX Channel @CTA) • 4Pixels(4 DMX Channel @ Mono; 12 DMX Channel @ RGB; 16 DMX Channel @ RGBW; 8 DMX Channel @CTA) • 5Pixels(5 DMX Channel @ Mono; 15 DMX Channel @ RGB; 20 DMX Channel @ RGBW; 10 DMX Channel @CTA) • 10Pixels(10 DMX Channel @ Mono; 30 DMX Channel @ RGB;40 DMX Channel @ RGBW; 20 DMX Channel @CTA) |
| Control Protocol-控制協議 Protocolo de Control | <ul style="list-style-type: none"> • Remoted LED Driver for 1-10V / Dali • Built- In DMX 512 / RDM |
| Color Range 顏色範圍 Gama de colores | <ul style="list-style-type: none"> 16.7 Million additive RGB colors and White LED 1670萬RGB顏色配合白光LED 16.7 Millones de colores aditivos RGB; LED blanco |
| Mono, RGB or RGBW Color Resolution with Gamma correction 單色, RGB, RGBW顏色經過伽馬校正的分辨率 Resolución de color mono, RGB o RGBW con corrección gamma | <ul style="list-style-type: none"> 16-bit gray scale control and Gamma correction, supports up to 65,536 gray scales for color depths 16位灰度控制, 支持高達65, 536個灰度級的顏色深度 control de escala de grises de 16 bits, soporta hasta 65.536 escalas de gris para profundidades de color |
| Beam Angle/光束角 ángulo de haz | 120° |
| Light Source Brand/光源品牌 Fuente de luz de marca | CREE |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • >80 • >90 |
| Lumen Maintenance Reported by TM-21 TM-21光衰壽命 Mantenimiento del lumen informado por TM-21 | <ul style="list-style-type: none"> • L90 > 40,700 hrs • L80 > 53,500 hrs • L70 > 53,500 hrs |
| LED Life/LED壽命 La vida del LED | >50,000 hours |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | <ul style="list-style-type: none"> Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy-燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 55lm/W @ RGBW 70 Lm/w(2700K) @ MONO 85 Lm/w(3000K) @ MONO • 90 Lm/w(4000K) @ MONO 100 Lm/w(5000K) @ MONO 100 Lm/w(6500K) @ MONO • 48lm/w@ RGB 80 Lm/w @ CTA |
| LED Source Luminous Efficacy-LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 70lm/W @ RGBW 130 Lm/w(2700K) @ MONO 130Lm/w(3000K) @ MONO • 140 Lm/w(4000K) @ MONO 150 Lm/w(5000K) @ MONO 150 Lm/w(6500K) @ MONO • 65lm/w@ RGB 150 Lm/w @ CTA |
| Housing materials/外殼材料 Materiales de la carcasa | 6063 extruded aluminium & PMMA Diffuser 6063擠壓鋁和PMMA擴散乳白罩 Difusor de aluminio extruido 6063 y PMMA |
| Housing Color/ 邊框殼顏色 Color de la carcasa | <ul style="list-style-type: none"> • Powder Coated in Silver Grey- UV Resistant to plaster exterior wall powder coating for Anti-corrosion Protection • 銀灰色粉末塗料 (抗紫外線和抗腐蝕) • Recubrimiento en polvo en gris plateado - Resistente a los rayos UV para el recubrimiento de polvo de pared exterior de yeso para protección anticorrosión |
| Ingress Protection/ 防護等級 Protección de ingreso | IP67 |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK10 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +60 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Dimension/尺寸 Dimensión (Lx W x H) | <ul style="list-style-type: none"> • 1000*18*38mm (1000*28.5*63mm with Brackets) • 500*18*38mm (1000*28.5*63mm with Brackets) • 250*18*38mm (1000*28.5*63mm with Brackets) |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | <ul style="list-style-type: none"> LVD Testing : EN 60598-1 / EN 60598-2-1 / EN62471 (RG1) / EN 62493 / EN 62031 / IEC 62262 Photometric data EMC Testing : EN 55015 / EN 61547 |
| Certification-認證-Certificación |       |








LANE

RGBW W:28xH:68xL:----mm IP68



LED COLOR LINEAR is a indoor and outdoor fixture with RGBW color for media façade application. It is able to be controlled by DMX and RDM. Built-in 16-bit PWM embedded LED IC, featuring 16-bit gray scale control, supports up to 65,536 gray scales for color depths. The high visual refresh rate can facilitate CCD cameras and video cameras to capture the full video images in real time without flickers.

Technical Data

| | |
|---|--|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Surface Mount and Adjustable Type 明裝可調安裝腳 Tipo mount en superficie y ajustable |
| Color -顏色-Color | RGBO (Orange White: 2700K) RGBW (Warm White: 3000K) RGBN(Nature White: 4000K) RGBD (Day White: 5000K) RGBC (Cool White: 6500K) |
| Power Consumption Max 燈具最大功率 Consumo de energía Max | 5W @ L: 500mm @ 30PCS LEDs 10W @ L: 1000mm @ 60PCS LEDs Tailor-made - 客制生產-Hecho a medida |
| Pixels & DMX Channels 像素和DMX 通道 Píxeles y canales DMX | 5 PXL =20 DMX Channels @ 5W(500mm) 10 PXL= 40 DMX Channels @ 10W (1000mm) 1 PXL =4 DMX Channels @ 5W(500mm) 1 PXL= 4 DMX Channels @ 10W (1000mm) Tailor-made - 客制生產-Hecho a medida |
| Control Protocol-控制協議 Protocolo de Control | DMX 512A / RDM |
| Input Voltage / 輸入電壓 Voltaje de entrada | DC24V |
| Color Range 顏色範圍 Gama de colores | 16.7 Million additive RGB colors and White LED 1670萬RGB顏色配合白光LED 16.7 Millones de colores aditivos RGB; LED blanco |
| RGBW Color Resolution with Gamma correction RGBW顏色經過伽馬校正的分辨率 Resolución de color RGB W con la corrección de gamma | 4 x 16-bit gray scale control and Gamma correction, supports up to 65,536 gray scales for color depths 4 x 16位灰度控制, 支持高達65, 536個灰度級的顏色深度 4 x control de escala de grises de 16 bits, soporta hasta 65.536 escalas de gris para profundidades de color |
| Beam Angle/光東角 ángulo de haz | 110° @ Type A @ Milky Polycarbonate Diffuser 40° @ Type B @ PMMA Lens 60° @ Type B @ PMMA Lens 10° x 65° @ Type B @ PMMA Lens |
| Light Source Brand/光源品牌 Fuente de luz de marca | NICHIA - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| LED Life/LED壽命 La vida del LED | >50,000 hours |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 2 SDCM 標準偏差配色 < 2 SDCM Coincidencia de color estándar Desviación < 2 SDCM |
| Luminaire Efficacy-燈具效率 La eficacia de la luminaria | 40 Lm/w(RGBO@Full Load) 40 Lm/w(RGBW@Full Load) 50 Lm/w(RGBN@Full Load) 55 Lm/w(RGBD@Full Load) 55 Lm/w(RGBC@Full Load) |
| LED Source Luminous Efficacy-LED光源光效 Fuente luminosa LED Eficacia | 50 Lm/w(RGBO@Full Load) 50 Lm/w(RGBW@Full Load) 60 Lm/w(RGBN@Full Load) 70 Lm/w(RGBD@Full Load) 70 Lm/w(RGBC@Full Load) |
| Housing materials/外殼材料 Materiales de la carcasa | Aluminium Alloy and Milky Polycarbonate Diffuser @ Type A 鋁合金和乳白PC罩 @ Type A Aleación de aluminio y difusor de policarbonato lechoso @ Type A Aluminium Alloy -鋁合金 @ Type B Aleación de aluminio @ Type B |
| Trim Housing Color/ 邊框殼顏色 | Anodised Aluminium Titanium 陽極氧化鋁鈦 Anodised Aluminium Black 陽極氧化鋁黑 Aluminio anodizado Negro Tailor-made/客制生產-Hecho a medida |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +60 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection/ 防護等級 Protección de ingreso | IP68 |
| Dimension/尺寸 Dimensión | W:28 x H:68 x L:1000 mm (With bracket) |
| Environment/ 使用環境 Medio ambiente | Outdoor /戶外/al aire libre |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-3 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 6 / IEC 61547 |
| Certification-認證-Certificación |        |









LITERY

W13.8 x H15 mm 5W Max IP65



LED LINEAR. Housing: Extrusion aluminum, powder-coated, designed as heatsink. Anti-glare reflector and diffusor system made of PMMA. LED module: SMD LEDs, CRI>90, LM-80 performance approval >50,000 hours.

Technical Data

| | |
|--|--|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Power Consumption Max 燈具最大功率 Consumo de energía Max | 5W @ 1000mm Tailor-made - 客制生產-Hecho a medida |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Input Voltage / 輸入電壓 Voltaje de entrada | DC24V |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60Hz 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60Hz 3. 0-10V Dimming Driver AC100-240V 50/60Hz 4. Dali Dimming Driver AC100-240V 50/60Hz 5. DMX Driver AC100-240V 50/60Hz 6. RDM Driver AC100-240V 50/60Hz 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours應急電池/Copia de seguridad de emergencia |
| Beam Angle/光束角 ángulo de haz | 120° |
| Light Source Brand/光源品牌 Fuente de luz de marca | OSRAM - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| LED Life/LED壽命 La vida del LED | >50,000 hours |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy-燈具效率 La eficacia de la luminaria | • 80 Lm/w(2700K), • 80 Lm/w(3000K), • 85 Lm/w(4000K), • 90 Lm/w(5000K), • 90 Lm/w(6500K), |
| LED Source Luminous Efficacy-LED光源光效 Fuente luminosa LED Eficacia | • 110 Lm/w(2700K), • 110 Lm/w(3000K), • 120 Lm/w(4000K), • 130 Lm/w(5000K), • 130 Lm/w(6500K), |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | • > 80 • > 90 |
| Housing materials/外殼材料 Materiales de la carcasa | Aluminium Alloy and Milky Or Clear Polycarbonate Diffuser 鋁合金和乳白或者透明PC罩 Aleación de aluminio y difusor de policarbonato lechoso o claro |
| Trim Housing Color/ 邊框殼顏色 | Anodised Aluminium Titanium 陽極氧化鋁鈦 Aluminio anodizado titanio Anodised Aluminium Black 陽極氧化鋁黑 Aluminio anodizado Negro Tailor-made/客制生產-Hecho a medida |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection/ 防護等級 Protección de ingreso | IP65 |
| Dimension/尺寸 Dimensión | W:13.8 x H:15 x L:1000mm |
| Environment/ 使用環境 Medio ambiente | Outdoor /戶外/al aire libre |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: EN 60598-2-1:1989; EN 60598-1:2015+A1:2018; EN 62471:2008; EN 62493:2015; EN 62031:2008+A1:2013+A2:2015; EN55015 ; EN61547 RoHS Directive 2011/65/EU |
| Certification-認證-Certificación |       |



LAREDY






W23 x H15 mm 12W Max IP65



LED Linear Light

Tough extrusion aluminium housing with anodized finish.
High impact resistant transparent or opal PC diffuser, which are with anti-UV and anti-aging protection.
LED module: SMD LEDs, CRI>80, LM-80 performance approval >50,000 hours.

Technical Data

| | |
|--|---|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Power Consumption Max 燈具最大功率 Consumo de energía Max | <ul style="list-style-type: none"> • 3W @ 250mm • 6W @ 600mm • 12W @ 1000mm • 15W @ 1500mm • Tailor-made - 客制生產-Hecho a medida |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Input Voltage / 輸入電壓 Voltaje de entrada | DC24V |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60Hz 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60Hz 3. 0-10V Dimming Driver AC100-240V 50/60Hz 4. Dali Dimming Driver AC100-240V 50/60Hz 5. DMX Driver AC100-240V 50/60Hz 6. RDM Driver AC100-240V 50/60Hz 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| Beam Angle/光束角 ángulo de haz | 110° |
| Light Source Brand/光源品牌 Fuente de luz de marca | OSRAM - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| LED Life/LED壽命 La vida del LED | >50,000 hours |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy-燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 140 Lm/w(2700K), • 140 Lm/w(3000K), • 145 Lm/w(4000K), • 150 Lm/w(5000K), • 150 Lm/w(6500K), |
| LED Source Luminous Efficacy-LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 160 Lm/w(2700K), • 160 Lm/w(3000K), • 165 Lm/w(4000K), • 170 Lm/w(5000K), • 170 Lm/w(6500K), |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • > 80 • > 90 |
| Housing materials/外殼材料 Materiales de la carcasa | Aluminium Alloy and Transparent silicone 鋁合金和透明硅膠 Aleación de aluminio y silicona transparente |
| Trim Housing Color/ 邊框殼顏色 | Anodised Aluminium Titanium 陽極氧化鋁鈦 Aluminio anodizado titanio Anodised Aluminium Black 陽極氧化鋁黑 Aluminio anodizado Negro Tailor-made/客制生產-Hecho a medida |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection/ 防護等級 Protección de ingreso | IP65 |
| Dimension/尺寸 Dimensión | <ul style="list-style-type: none"> • W:23 x H:15 x L:250 mm W:23 x H:15 x L:500 mm • W:23 x H:15 x L:1000 mm W:23 x H:15 x L:1500 mm |
| Environment/ 使用環境 Medio ambiente | Outdoor /戶外/al aire libre |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: EN 60598-2-1:1989; EN 60598-1:2015+A1:2018; EN 62471:2008; EN 62493:2015; EN 62031:2008+A1:2013+A2:2015; EN55015 ; EN61547 RoHS Directive 2011/65/EU |
| Certification-認證-Certificación |      |

LINEAR & WALL WASHER SYSTEMS












WAYAR

W:52xH:88xL:---mm 11W-88W IP67



LED WALL WASHER is a outdoor fixture with RGB , RGBW or MONO color for media façade application. Made by Die-cated aluminium & Temper Glass. House finished with UV Resistant powder coating for Anti-corrosion Protection. High-level mechanical impact protection IK08 and IP67 Ingress Protection.

Technical Data

| | | | | | | | | | | |
|---|---|-------------------|---------------|----------------|--------------------|------------------|----------------|------------------|----------------|----------------|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Surface Mount and Adjustable Type-Adjustment Options ±90 tilt 明裝±90度可調安裝腳 Tipo mount en superficie y ajustable | | | | | | | | | |
| Power Consumption Max 燈具最大功率 Consumo de energía Max | <ul style="list-style-type: none"> • 11W @ L: 305mm @ 9 LEDs • 13W @ L: 305mm @ 9 LEDs • 22W @ L: 610mm @ 18 LED • 25W @ L: 610mm @ 18 LED • 28W @ L: 915mm @ 27 LEDs or @ L: 1220mm @ 36 LEDs • 33W @ L: 915mm @ 27 LEDs or @ L: 1220mm @ 36 LEDs • 38W @ L: 915mm @ 27 LEDs or @ L: 1220mm @ 36 LEDs • 44W @ L: 915mm @ 27 LEDs or @ L: 1220mm @ 36 LEDs • 50W @ L: 1220mm @ 36 LEDs • 60W @ L: 1220mm @ 36 LEDs • 70W @ L: 1220mm @ 36 LEDs • 80W @ L: 1220mm @ 36 LEDs • 88W @ L: 1220mm @ 36 LEDs | | | | | | | | | |
| Input Voltage / 輸入電壓 Voltaje de entrada | <ul style="list-style-type: none"> • AC100V - 240V 50/60Hz (Integrated-type LED Driver / 內置LED驅動 / Controlador de LED de tipo integrado) • DC24V | | | | | | | | | |
| Power Factor / 功率因數/Factor de potencia | PF>0.90 @ AC100V - 240V 50/60Hz | | | | | | | | | |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD<20% @ AC100V - 240V 50/60Hz | | | | | | | | | |
| Control Protocol-控制協議 Protocolo de Control | <ul style="list-style-type: none"> • Integrated LED Driver for 1-10V or Dali • Integrated Decoder : DMX512 or RDM | | | | | | | | | |
| Pixels & DMX Channels @ 1220mm 像素和DMX 通道@ 1220mm Píxeles y canales DMX @ 1220mm | <ul style="list-style-type: none"> • 1Pixel (1 DMX Channel @ Mono; 3 DMX Channel @ RGB; 4 DMX Channel @ RGBW; 2 DMX Channel @CTA) • 4Pixels(4 DMX Channel @ Mono; 12 DMX Channel @ RGB; 16 DMX Channel @ RGBW; 8 DMX Channel @CTA) | | | | | | | | | |
| Beam Angle/光束角ángulo de haz | 9° / 15° / 22° / 30° / 40° / 66° / 83° / 30° x 12° / 40° x 15° / 50° x 10° | | | | | | | | | |
| Light Source Brand/光源品牌 Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk) @ Mono Color LED) | | | | | | | | | |
| Color Temperature -色溫 Temperatura del color Color -顏色-Color | <ul style="list-style-type: none"> • MONO:2700K / 3000K / 4000K / 5000K / 6500K • 4-in-1 RGBW (White: O: 2700K W: 3000K N: 4000K D:5000K C: 6500K) • RGB (Single LED Chip 1R1G1B) • Color Temperature Adjustment CTA (2700K to 6500K) | | | | | | | | | |
| Lumen Maintenance Reported by TM-21 @ Mono Color @25°C 白光LED TM-21光衰壽命@25°C Mantenimiento del lumen informado por TM-21 @25°C | L70 > 80,000 hrs | | | | | | | | | |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • >80 @ White Color LED • >90 @ White Color LED | | | | | | | | | |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM | | | | | | | | | |
| Luminaire Efficacy-燈具效率 La eficacia de la luminaria | <table border="1"> <tr> <td>• 70 Lm/W @ RGBW</td> <td>60 Lm/w @ RGB</td> <td>100 Lm/w @ CTA</td> </tr> <tr> <td>• 90 Lm/w @ 2700K</td> <td>90 Lm/w @ 3000K</td> <td>110 Lm/w@4000K</td> </tr> <tr> <td>• 120 Lm/w@5000K</td> <td>120 Lm/w@5700K</td> <td>120 Lm/w@6500K</td> </tr> </table> | • 70 Lm/W @ RGBW | 60 Lm/w @ RGB | 100 Lm/w @ CTA | • 90 Lm/w @ 2700K | 90 Lm/w @ 3000K | 110 Lm/w@4000K | • 120 Lm/w@5000K | 120 Lm/w@5700K | 120 Lm/w@6500K |
| • 70 Lm/W @ RGBW | 60 Lm/w @ RGB | 100 Lm/w @ CTA | | | | | | | | |
| • 90 Lm/w @ 2700K | 90 Lm/w @ 3000K | 110 Lm/w@4000K | | | | | | | | |
| • 120 Lm/w@5000K | 120 Lm/w@5700K | 120 Lm/w@6500K | | | | | | | | |
| LED Source Luminous Efficacy-LED光源光效 Fuente luminosa LED Eficacia | <table border="1"> <tr> <td>• 100 Lm/W @ RGBW</td> <td>90 Lm/w @ RGB</td> <td>130 Lm/w @ CTA</td> </tr> <tr> <td>• 120 Lm/w @ 2700K</td> <td>120 Lm/w @ 3000K</td> <td>140 Lm/w@4000K</td> </tr> <tr> <td>• 150 Lm/w@5000K</td> <td>150 Lm/w@5700K</td> <td>150 Lm/w@6500K</td> </tr> </table> | • 100 Lm/W @ RGBW | 90 Lm/w @ RGB | 130 Lm/w @ CTA | • 120 Lm/w @ 2700K | 120 Lm/w @ 3000K | 140 Lm/w@4000K | • 150 Lm/w@5000K | 150 Lm/w@5700K | 150 Lm/w@6500K |
| • 100 Lm/W @ RGBW | 90 Lm/w @ RGB | 130 Lm/w @ CTA | | | | | | | | |
| • 120 Lm/w @ 2700K | 120 Lm/w @ 3000K | 140 Lm/w@4000K | | | | | | | | |
| • 150 Lm/w@5000K | 150 Lm/w@5700K | 150 Lm/w@6500K | | | | | | | | |
| Housing materials/外殼材料 Materiales de la carcasa | <ul style="list-style-type: none"> • Die-Casted Aluminium and Aluminium Alloy and 4mm Tempered Glass • 壓鑄鋁和鋁合金及4mm鋼化玻璃 • Aluminio fundido a presión y aleación de aluminio y vidrio templado de 4 mm | | | | | | | | | |
| Housing Color/ 邊框殼顏色 Color de la carcasa | <ul style="list-style-type: none"> • Powder Coated in Silver Grey- UV Resistant powder coating for Anti-corrosion Protection • 銀灰色粉末塗料 (抗紫外線和抗腐蝕) • Recubrimiento en polvo en gris plateado - Recubrimiento en polvo resistente a los rayos UV para protección anticorrosión • Tailor-made/客制生產-Hecho a medida | | | | | | | | | |
| Ingress Protection/ 防護等級 Protección de ingreso | IP67 | | | | | | | | | |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 | | | | | | | | | |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C / -22 °F / +122 °F | | | | | | | | | |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación | | | | | | | | | |
| Dimension/尺寸 Dimensión | <ul style="list-style-type: none"> • W: 52 x H: 88 x L: 305 mm @ Without Louver • W: 52 x H: 88 x L: 915 mm @ Without Louver • W: 52 x H: 88 x L: 610 mm @ Without Louver • W: 52 x H: 88 x L: 1220 mm @ Without Louver | | | | | | | | | |
| Net Weight /淨重/Peso Neto | <ul style="list-style-type: none"> • 1.92kg @ 305mm • 3.25 kg @ 610mm • 4.15kg @ 915mm • 4.9kg @ 1220mm | | | | | | | | | |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | <ul style="list-style-type: none"> • LED Luminaries: LVD: IEC 60598-1; IEC 60598-2-1; IEC62471; IEC 62031; IEC62471 • LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; IEC/EN 61000-3-3; IEC/EN61574; EN 55015 ; IEC /EN 62384 | | | | | | | | | |
| Certification-認證-Certificación |        | | | | | | | | | |










WEGE

W:36xH:62xL:---mm 45W IP67



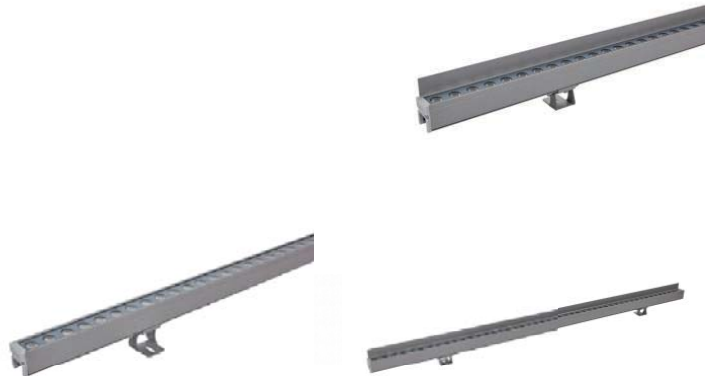
LED WALL WASHER is a outdoor fixture with RGB , RGBW or MONO color for media façade application. Made by Die-cated aluminium & Temper Glass. House finished with UV Resistant powder coating for Anti-corrosion Protection. High-level mechanical impact protection IK08 and IP67 Ingress Protection.

Technical Data

| | | | |
|---|--|---|--|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Surface Mount and Adjustable Type-Adjustment Options ±90 tilt 明裝±90度可調安裝腳 Tipo mount en superficie y ajustable | | |
| Power Consumption Max 燈具最大功率 Consumo de energía Max | <ul style="list-style-type: none"> • 9W or 11W @ L: 305mm • 27W or 33W @ L: 915mm • 12W or 18W @ L: 500mm • Tailor-made - 客制生產-Hecho a medida | <ul style="list-style-type: none"> 18W or 22W @ L: 610mm 36W or 45W @ L: 1220mm 24W or 36W @ L: 1000mm | |
| Input Voltage / 輸入電壓 Voltaje de entrada | <ul style="list-style-type: none"> • DC24V • AC220-240V 50/60HZ (Remote Dali, 0-10V, Zigbee LED Driver. Refer to LED Driver data sheet) | | |
| Control Protocol-控制協議 Protocolo de Control | Integrated Decoder : DMX512 or RDM | | |
| Pixels & DMX Channels @ 1220mm 像素和DMX 通道@ 1220mm Píxeles y canales DMX @ 1220mm | <ul style="list-style-type: none"> • 1Pixel (1 DMX Channel @ Mono) • 1Pixel (4 DMX Channel @ RGBW) • 4Pixels (4 DMX Channel @ Mono;12 DMX Channel @ RGB; 16 DMX Channel @ RGBW; 8 DMX Channel @CTA) • Tailor-made - 客制生產-Hecho a medida | <ul style="list-style-type: none"> 1Pixel (3 DMX Channel @ RGB) 1Pixel (2 DMX Channel @ CTA) | |
| Beam Angle/光東角ángulo de haz | 9° / 15° / 22° / 30° / 40° / 66° / 83° / 30° x 12° / 40° x 15° / 50° x 10° | | |
| Light Source Brand/光源品牌 Fuente de luz de marca | • CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk) @ Mono Color LED) | | |
| Photobiological safety-IEC 62471 / of Luminaire 光生物安全檢驗(IEC/EN 62471) 結果: Seguridad fotobiológica-IEC 62471 | <ul style="list-style-type: none"> • Risk Group 1; RG1 • 1 類危險 (低危) • Grupo de riesgo 1 | | |
| Color Temperature -色溫 Temperatura del color Color -顏色-Color | <ul style="list-style-type: none"> • MONO:2700K / 3000K / 4000K / 5000K / 6500K • 4-in-1 RGBW (White: O: 2700K W: 3000K N: 4000K D:5000K C: 6500K) • RGB (Single LED Chip 1R1G1B) • Color Temperature Adjustment CTA (2700K to 6500K) | | |
| Lumen Maintenance Reported by TM-21 @ Mono Color @25°C 白光LED TM-21光衰壽命@25°C Mantenimiento del lumen informado por TM-21 @25°C | • L70 > 80,000 hrs | | |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • >80 @ White Color LED • >90 @ White Color LED | | |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM | | |
| Luminaire Efficacy-燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 55 Lm/W @ RGBW • 75 Lm/w @ 2700K • 85 Lm/w@5000K | <ul style="list-style-type: none"> 48 Lm/w@ RGB 75 Lm/w @ 3000K 90 Lm/w@5700K | <ul style="list-style-type: none"> 80 Lm/w @ CTA 80 Lm/w@4000K 90 Lm/w@6500K |
| Luminaire Efficacy-燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 80 Lm/W @ RGBW • 100 Lm/w @ 2700K • 120 Lm/w@5000K | <ul style="list-style-type: none"> 75 Lm/w@ RGB 100 Lm/w @ 3000K 130 Lm/w@5700K | <ul style="list-style-type: none"> 100 Lm/w @ CTA 105 Lm/w@4000K 130 Lm/w@6500K |
| Housing materials/外殼材料 Materiales de la carcasa | <ul style="list-style-type: none"> • Die-Casted Aluminium and Aluminium Alloy and 4mm Tempered Glass • 壓鑄鋁和鋁合金及4mm鋼化玻璃 • Aluminio fundido a presión y aleación de aluminio y vidrio templado de 4 mm | | |
| Housing Color/ 邊框殼顏色 Color de la carcasa | <ul style="list-style-type: none"> • Powder Coated in Silver Grey- UV Resistant powder coating for Anti-corrosion Protection • 銀灰色粉末塗料 (抗紫外線和抗腐蝕) • Recubrimiento en polvo en gris plateado - Recubrimiento en polvo resistente a los rayos UV para protección anticorrosión • Tailor-made/客制生產-Hecho a medida | | |
| Ingress Protection/ 防護等級 Protección de ingreso | IP67 | | |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 | | |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C / -22 °F / +122 °F | | |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación | | |
| Dimension/尺寸 Dimensión | <ul style="list-style-type: none"> • W: 36x H: 62 x L: 305 mm @ Without Louver • W: 36x H: 62 x L: 915 mm @ Without Louver • W: 36x H: 62 x L: 500 mm @ Without Louver | <ul style="list-style-type: none"> W: 36x H: 62 x L: 610 mm @ Without Louver W: 36x H: 62 x L: 1220 mm @ Without Louver W: 36x H: 62 x L: 1000 mm @ Without Louver | |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | <ul style="list-style-type: none"> • LED Luminaries: EN 60598-1; EN 60598-2-1; IEC/TR 62778 (RG1) ; EN62471;EN 62031; EN62493 • LED Luminaries: EN55015 ; EN61547 | | |
| Certification-認證-Certificación |          | | |

WARAL

W25mm 15W Max IP66










LED Linear Wallwasher light is an outdoor fixture with Mono Color, Tunable White and RGBW color for media façade application.

Control by DMX with built-in 16-bit PWM embedded LED IC, featuring 16-bit gray scale control, supports up to 65,536 gray scales for color depths.

House finished with Anti UV and corrosion-resistance Anodised Aluminium and Tempered Glass.

High-level mechanical impact protection IK08 and IP66 Ingress Protection.

Technical Data

| | |
|--|--|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Surface Mount Fixed or Adjustable Type-Adjustment Options ±90 tilt 固定明裝 或 ±90度可調安裝腳 Opciones de ajuste de tipo fijo o ajustable de montaje en superficie ± 90 de inclinación |
| Color -顏色-Color | <ul style="list-style-type: none"> • RGBO (Orange White: 2700K) RGBW (Warm White: 3000K) RGBN (Nature White: 4000K) • RGBD (Day White: 5000K) RGBC (Cool White: 6500K) • MONO:2700K / 3000K / 4000K / 5000K / 6500K • Tunable White (2700K to 6500K) |
| Power Consumption Max 燈具最大功率 Consumo de energía Max | <ul style="list-style-type: none"> • 3W @ L: 250mm @ 12PCS LEDS 4W @ L: 250mm @ 12PCS LEDS • 6W @ L: 500mm @ 24PCS LEDS 8W @ L: 500mm @ 24PCS LEDS • 12W @ L: 1000mm @ 48PCS LEDS 15W @ L: 1000mm @ 48PCS LEDS |
| Input Voltage / 輸入電壓 Voltaje de entrada | DC24V |
| Control Protocol-控制協議 Protocolo de Control (Optional) | <ul style="list-style-type: none"> • Integrated Decoder : DMX512 + DC24V • Remote LED Driver for 1-10V or Dali or Zigbee Wireless |
| Pixels & DMX Channels 像素和DMX 通道 Píxeles y canales DMX | <ul style="list-style-type: none"> • RGBW: 2 PXL =8 DMX Channels @ 250mm 4 PXL =16 DMX Channels @ 500mm 8 PXL = 32 DMX Channels @ 1000mm • RGBW : 1 PXL =4 DMX Channels @ 250mm 500mm 1000mm • Mono White : 1 PXL= 1 DMX Channels @ 250mm 500mm 1000mm • Tunable White : 1 PXL =2 DMX Channels @ 250mm 500mm 1000mm • Tailor-made - 客制生產-Hecho a medida |
| Color Range RGBW顏色範圍 Gama de colores | 16.7 Million additive RGB colors and White LED 1670萬RGB顏色配合白光LED 16.7 Millones de colores aditivos RGB; LED blanco |
| RGBW or Mono White Color Resolution with Gamma correction RGBW或具有伽馬校正的單色白顏色分辨率 RGBW o resolución de color blanco mono con corrección gamma | 16-bit gray scale control and Gamma correction, supports up to 65,536 gray scales for color depths 16位灰度控制, 支持高達65,536個灰度級的顏色深度 control de escala de grises de 16 bits, soporta hasta 65.536 escalas de gris para profundidades de color |
| Beam Angle/光束角 ángulo de haz | 10° / 15° / 30° / 45° / 60° / 10°x 50° / 20°x 60° |
| Light Source Brand/光源品牌 Fuente de luz de marca | CREE LED |
| LED Life/LED壽命 La vida del LED | >60,000 hours |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy-燈具效率 La eficacia de la luminaria Full Loading | <ul style="list-style-type: none"> • 60 Lm/w @ RGBO 60 Lm/w @ RGBW 70 Lm/w @ RGBN • 80 Lm/w @ RGBD 80 Lm/w @ RGBC • 90 Lm/w(2700K) 90 Lm/w(3000K) 95 Lm/w(4000K) • 100 Lm/w(5000K) 100 Lm/w(6500K) 95 Lm/w Tunable White (2700-6500K) |
| LED Source Luminous Efficacy-LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 90 Lm/w @ RGBO 90 Lm/w @ RGBW 100 Lm/w @ RGBN • 110 Lm/w @ RGBD 110 Lm/w @ RGBC • 120 Lm/w(2700K) 120 Lm/w(3000K) 125 Lm/w(4000K) • 130 Lm/w(5000K) 130 Lm/w(6500K) 125Lm/w Tunable White (2700-6500K) |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 85 @ MONO White |
| Housing materials/外殼材料 Materiales de la carcasa | Aluminium Alloy and Tempered Glass -鋁合金和鋼化玻璃 Aleación de aluminio y vidrio templado |
| Trim Housing Color/ 邊框殼顏色 | Anodised Aluminium Titanium and Tempered Glass /陽極氧化鋁鈦和鋼化玻璃 Aluminio anodizado titanio y vidrio templado Anodised Aluminium Black and Tempered Glass /陽極氧化鋁黑和鋼化玻璃 Aluminio anodizado Negro y vidrio templado Tailor-made/客制生產-Hecho a medida |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +60 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection/ 防護等級 Protección de ingreso | IP66 |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | K08 |
| Dimension/尺寸 / Dimensión | • Refer to Technical Drawing 請參閱技術圖紙 Consulte el dibujo técnico |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-1/ IEC 62471 / IEC TR62778 / IEC 62031 / EN 55015 / IEC 61547 |
| Certification-認證-Certificación |        |



FLACH









RGBW DIA373mm 200W-275W IP66



COLOR FLOOD LIGHT is a indoor and outdoor fixture with RGBW color for media façade application. It is able to be controlled by DMX and RDM. Built-in 16-bit PWM embedded LED IC, featuring 16-bit gray scale control, supports up to 65,536 gray scales for color depths. The high visual refresh rate can facilitate CCD cameras and video cameras to capture the full video images in real time without flickers. LED color calibration and professional architectural lighting projector.

COLOR FLOOD LIGHT

Technical Data

| | |
|---|--|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Surface Mount and Adjustable Type 明裝可調安裝腳 Tipo mount en superficie y ajustable |
| Color -顏色-Color | <ul style="list-style-type: none"> • RGBW (Warm White: 3300K) • RGBN(Nature White: 4000K) • RGBD (Day White: 5000K) |
| Power Consumption Max 燈具最大功率 Consumo de energia Max | <ul style="list-style-type: none"> • 200W Max • 275W Max |
| Pixels & DMX Channels 像素和DMX 通道 Píxeles y canales DMX | 1 Pixel = 4 DMX Channels |
| Control Protocol-控制協議 Protocolo de Control | • DMX 512A / RDM |
| Input Voltage / 輸入電壓 Voltaje de entrada | • AC100-277V 50/60HZ |
| QTY of LEDs-燈珠數量-CANT de LEDs | • 30 pcs CREE LEDs |
| Color Range 顏色範圍 Gama de colores | 16.7 Million additive RGB colors and White LED 1670萬RGB顏色配合白光LED Aditivo de 16,7 millones de colores RGB y LED blanco |
| RGBW Color Resolution with Gamma correction RGBW顏色經過伽馬校正的分辨率 Resolución de color RGB W con la corrección de gamma | 4 x 16-bit gray scale control and Gamma correction, supports up to 65,536 gray scales for color depths 4 x 16位灰度控制，支持高達65,536個灰度級的顏色深度 4 x control de escala de grises de 16 bits, soporta hasta 65.536 escalas de gris para profundidades de color |
| Beam Angle/光束角 ángulo de haz | <ul style="list-style-type: none"> • 5° • 10° • 15° • 25° • 30° • 60° • 65° x 20° |
| Light Source Brand/光源品牌 Fuente de luz de marca | • CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| LED Life/LED壽命 La vida del LED | >50,000 hours |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 2 SDCM 標準偏差配色 < 2 SDCM Coincidencia de color estándar Desviación < 2 SDCM |
| Luminaire Efficacy-燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 40 Lm/w(RGBW@Full Load) • 50 Lm/w(RGBN@Full Load) • 55 Lm/w(RGBD@Full Load) |
| LED Source Luminous Efficacy-LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 50 Lm/w(RGBW@Full Load) • 60 Lm/w(RGBN@Full Load) • 70 Lm/w(RGBD@Full Load) |
| Housing materials/外殼材料 Materiales de la carcasa | Die-cast aluminium and Tempered glass 壓鑄鋁和鋼化玻璃 Aluminio fundido a presión y de vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | Polyester powders Coating (RAL 9006 Silver) or (RAL 9005 Black) 聚酯粉末塗料(RAL 9006 銀灰色)或(RAL 9006 黑色) Polvos de poliéster Revestimiento (RAL 9006 Plata) or (RAL 9005 Black) |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection/ 防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Dimension/尺寸 Dimensión | W:445 x L:382 x D:117 mm (Over Size) (Dia: 373mm) |
| Environment/ 使用環境 Medio ambiente | Outdoor /戶外/al aire libre |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-3 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 6 / IEC 61547 |
| Certification-認證-Certificación |         |










FAB-M

RGBW 100W-200W IP66



FAB-M COLOR FLOOD LIGHT is an architecture facade flood light with RGBW color for Building Light effect Application. It is able to be controlled by DMX and RDM. Built-in 16-bit PWM embedded LED IC, featuring 16-bit gray scale control, supports up to 65,536 gray scales for color depths.

Technical Data

| | |
|---|--|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Surface Mount and Adjustable Type 明裝可調安裝腳 Tipo mount en superficie y ajustable |
| Color -顏色-Color | <ul style="list-style-type: none"> • RGBW (Warm White: 3000K) • RGBN(Nature White: 4000K) • RGBD (Day White: 5000K) • RGBC (Cool White: 5700K) |
| Power Consumption Max 燈具最大功率 Consumo de energía Max | <ul style="list-style-type: none"> • 100W Max • 150W Max • 200W Max |
| Pixels & DMX Channels 像素和DMX 通道 Píxeles y canales DMX | 1 Pixel = 4 DMX Channels |
| Control Protocol-控制協議 Protocolo de Control | DMX 512A / RDM |
| Input Voltage / 輸入電壓 Voltaje de entrada | AC100-277V 50/60HZ |
| QTY of LEDs-燈珠數量-CANT de LEDs | 96 pcs CREE LEDs |
| Color Range 顏色範圍 Gama de colores | 16.7 Million additive RGB colors and White LED 1670萬RGB顏色配合白光LED Aditivo de 16,7 millones de colores RGB y LED blanco |
| RGBW Color Resolution with Gamma correction RGBW顏色經過伽馬校正的分辨率 Resolución de color RGB W con la corrección de gamma | 4 x 16-bit gray scale control and Gamma correction, supports up to 65,536 gray scales for color depths 4 x 16位灰度控制, 支持高達65,536個灰度級的顏色深度 4 x control de escala de grises de 16 bits, soporta hasta 65.536 escalas de gris para profundidades de color |
| Beam Angle/光束角 ángulo de haz | <ul style="list-style-type: none"> • 4° • 10° • 15° • 25° • 30° • 60° • 10° x 40° • 20° x 60° |
| Light Source Brand/光源品牌 Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| LED Life/LED壽命 La vida del LED | >50,000 hours |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 2 SDCM 標準偏差配色 < 2 SDCM Coincidencia de color estándar Desviación < 2 SDCM |
| Luminaire Efficacy-燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 40 Lm/w(RGBW@Full Load) • 50 Lm/w(RGBN@Full Load) • 55 Lm/w(RGBD@Full Load) • 65 Lm/w(RGBD@Full Load) |
| LED Source Luminous Efficacy-LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 50 Lm/w(RGBW@Full Load) • 60 Lm/w(RGBN@Full Load) • 70 Lm/w(RGBD@Full Load) |
| Housing materials/外殼材料 Materiales de la carcasa | Die-cast aluminium and Tempered glass 壓鑄鋁和鋼化玻璃 Aluminio fundido a presión y de vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | Polyester powders Coating (RAL 9006 Silver) or (RAL 9005 Black) 聚酯粉末塗料(RAL 9006 銀灰色)或(RAL 9006 黑色) Polvos de poliéster Revestimiento (RAL 9006 Plata) or (RAL 9005 Black) |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +50 °C |
| Operating Humidity-工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection/ 防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Environment/ 使用環境 Medio ambiente | Outdoor /戶外/aire libre |
| Dimension/尺寸 Dimensión | W:461 x L:508 x D:94 mm (Over Size) |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-3 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 6 / IEC 61547 |
| Certification-認證-Certificación |          |

SPOCH








RGBW DIA162mm 45W IP66



IP66 rated LED Spotlight with rich, saturated color mixing effect via specially designed lens provides outstanding light output. Compact design with great heat ventilation in a rugged die-cast aluminum housing to ensure reliable performance under harsh environments. Featuring 4pcs x 10W CREE LEDs for excellent color mixing. LED touch-panel display for easy set-up navigation; as well as great built-in shows (fade) without DMX control With Photocell (light sensor) feature, units can light. SPOCH COLOR SPOT LIGHT is a indoor and outdoor fixture with RGBW color for media façade application. It is able to be controlled by DMX and RDM. Built-in 16-bit PWM embedded LED IC, featuring 16-bit gray scale control, supports up to 65,536 gray scales for color depths. The high visual refresh rate can facilitate CCD cameras and video cameras to capture the full video images in real time without flickers. LED color calibration and professional architectural lighting projector.

COLOR SPOT LIGHT

Technical Data

| | |
|---|---|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Surface Mount and Adjustable Type 明裝可調安裝腳 Tipo mount en superficie y ajustable |
| Color -顏色-Color | • RGBN(Nature White: 4000K) • RGBC (Cool White: 6500K) |
| Power Consumption Max 燈具最大功率 Consumo de energía Max | 45W Max |
| Pixels & DMX Channels 像素和DMX 通道 Píxeles y canales DMX | 1 Pixel = 4 DMX Channels |
| Control Protocol-控制協議 Protocolo de Control | DMX 512A / RDM |
| Input Voltage / 輸入電壓 Voltaje de entrada | AC100-240V 50/60HZ |
| QTY of LEDs-燈珠數量-CANT de LEDs | 4 pcs CREE MCE LEDs @ Quad Color |
| Color Range 顏色範圍 Gama de colores | 16.7 Million additive RGB colors and White LED 1670萬RGB顏色配合白光LED Aditivo de 16,7 millones de colores RGB y LED blanco |
| RGBW Color Resolution with Gamma correction RGBW顏色經過伽馬校正的分辨率 Resolución de color RGB W con la corrección de gamma | 4 x 16-bit gray scale control and Gamma correction, supports up to 65,536 gray scales for color depths 4 x 16位灰度控制，支持高達65,536個灰度級的顏色深度 4 x control de escala de grises de 16 bits, soporta hasta 65.536 escalas de gris para profundidades de color |
| Beam Angle/光束角 ángulo de haz | • 10° • 20° • 30° |
| Light Source Brand/光源品牌 Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| LED Life/LED壽命 La vida del LED | >50,000 hours |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 2 SDCM 標準偏差配色 < 2 SDCM Coincidencia de color estándar Desviación < 2 SDCM |
| Luminaire Efficacy-燈具效率 La eficacia de la luminaria | • 50 Lm/w(RGBN@Full Load) • 55 Lm/w(RGBC@Full Load) |
| LED Source Luminous Efficacy-LED光源光效 Fuente luminosa LED Eficacia | • 60 Lm/w (RGBN@Full Load) • 70 Lm/w (RGBC@Full Load) |
| Housing materials/外殼材料 Materiales de la carcasa | Die-cast aluminium and Tempered glass 壓鑄鋁和鋼化玻璃 Aluminio fundido a presión y de vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | Polyester powders Coating (RAL 9006 Silver) or (RAL 9005 Black) 聚酯粉末塗料(RAL 9006 銀灰色) 或(RAL 9006 黑色) Polvos de poliéster Revestimiento (RAL 9006 Plata) or (RAL 9005 Black) |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection/ 防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Dimension/尺寸 Dimensión | • L:343 x H:208 x DIA:162 mm @ Fixture A with two brackets • L:315 x H:178 x DIA:162 mm @ Fixture B with one bracket |
| Environment/ 使用環境 Medio ambiente | Outdoor / 戶外/al aire libre |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-3 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 6 / IEC 61547 |
| Certification-認證-Certificación |        |

F-SPAMY-COLOR

8W-30W IP66







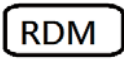


F-SPAMY-COLOR is LED RGBW or RGB Spot light which is able to be controlled by DMX and RDM. Built-in 16-bit PWM embedded LED IC, featuring 16-bit gray scale control, supports up to 65,536 gray scales for color depths for professional architectural lighting projector.. Die-cast aluminium with safety glass.Galvanized steel plate.Surface anti-ageing electrostatic spray processing,super resistance to corrosion. Advanced Integrated Pole System for Landscape design

F-SPAMY-COLOR

8W-30W IP66

DIMON
TECHNOLOGY

Technical Data

| | |
|--|---|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted and Adjustable Type / Pole Mounted / Spike Mount 表面安裝和可調節型/桿式安裝/釘式安裝 Montaje en superficie y tipo ajustable / montaje en poste / montaje de punta |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | • 8W / 12W @ DIA 82 mm RGBW 4-IN-1 • 15W /30W@ DIA 106mm RGBW 4-IN-1 |
| QTY of LEDs-燈珠數量-CANT de LEDs | • 1 pcs CREE RGBW 4-IN-1 @ 8W @ DIA 82 mm • 1 pcs CREE RGBW 4-IN-1 @12/W@ DIA 106 mm • 1 pcs OSRAM RGBW 4-IN-1 @15/W / 30W @ DIA 106 mm |
| Input Voltage / 輸入電壓 Voltaje de entrada | DC24 |
| Control Protocol/控制協議/Protocolo de Control | DMX512A / RDM (RGBW - 4 DMX Channels) |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE / OSRAM - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70(60k) > 60,500 hrs |
| LED Life-LED壽命-La vida del LED | >50,000 hours |
| Color /顏色 /color | • RGBW (4000K) • RGBC (6000K) |
| Beam Angle/光束角/ángulo de haz | • 8° / 25° / 10°x45°@ 8W • 15 /20° / 30° / 15°x60° @12W • 5° / 25°@ 15W / 30W |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | • 55lm/w @ Cool White when RGBW (4000K) 4-IN-1 is FULL Brightness • 60lm/w @ Cool White when RGBC (6000K) 4-IN-1 is FULL Brightness |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | • 75lm/w @ Cool White when RGBW (4000K) 4-IN-1 is FULL Brightness • 85lm/w @ Cool White when RGBC (6000K) 4-IN-1 is FULL Brightness |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and Safety glass 壓鑄鋁和安全玻璃 Aluminio fundido y vidrio de seguridad. |
| Housing Color 外殼顏色 color de la carcasa | Matte Silver 啞光銀 Plata mate |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Storage Temperature 儲藏溫度 Temperatura de almacenamiento | -40 °C / +70 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Dimension尺寸Dimensión | Refer to Technical Drawing 請參閱技術圖紙Consulte el dibujo técnico |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaries: IEC 60598-1;IEC 60598-2-1;IEC62471;RoHS LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; IEC/EN 61000-3-3;IEC/EN61574;EN 55015 LED Module: IEC/EN 62031;IEC/EN 60838-2;IEC/EN 62471;LM-80-08;TM-21 |
| Country of Design 設計國家 | United Kingdom 英國 |
| Country of Origin 產地 | PRC 中國 |
| Certification-認證-Certificación |        |

COLOR SPOT LIGHT

F-COMA-COLOR

20W-150W IP66







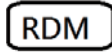

F-COMA-COLOR is LED RGBW or RGB Spot light which is able to be controlled by DMX and RDM. Built-in 16-bit PWM embedded LED IC, featuring 16-bit gray scale control, supports up to 65,536 gray scales for color depths for professional architectural lighting projector.. Die-cast aluminium with safety glass.Galvanized steel plate.Surface anti-ageing electrostatic spray processing,super resistance to corrosion. Advanced Integrated Pole System for Landscape design

F-COMA-COLOR

20W-150W IP66

DIMON
TECHNOLOGY

Technical Data

| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted and Adjustable Type / Pole Mounted / Spike Mount 表面安裝和可調節型/桿式安裝/釘式安裝 Montaje en superficie y tipo ajustable / montaje en poste / montaje de punta |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | <ul style="list-style-type: none">• 20W @ DIA 150mm RGBW 4-IN-1• 30W @ DIA 180mm RGBW 4-IN-1• 60W @ DIA 210mm RGBW 4-IN-1 and RGB• 100W @ DIA 260mm RGBW 4-IN-1 and RGB• 150W@DIA320mm RGBW 4-IN-1 and RGB |
| QTY of LEDs-燈珠數量-CANT de LEDs | <ul style="list-style-type: none">• 4 pcs CREE RGBW 4-IN-1 @ 20W @ DIA 150mm• 6 pcs CREE RGBW 4-IN-1 @30W @ DIA 180mm• 9 pcs CREE RGBW 4-IN-1 @ 60W @ DIA 210mm• 30 pcs CREE RGB 10R10G10B 60W @ DIA 210mm• 16pcs CREE RGBW 4-IN-1 @ 100W @ DIA 260mm• 48 pcs CREE RGB 16R16G16B @ 100W @ DIA 210mm• 24 pcs CREE RGBW 4-IN-1 @150W@DIA320mm• 72 pcs CREE RGB 24R24G24B @150W@DIA320mm |
| Input Voltage / 輸入電壓 Voltaje de entrada | <ul style="list-style-type: none">• DC36V• AC100-305V 50/60HZ |
| Control Protocol/控制協議/Protocolo de Control | <ul style="list-style-type: none">• DMX512A / RDM• RGB- 3 DMX Channels• RGBW - 4 DMX Channels |
| Power Factor / 功率因數/Factor de potencia | PF>0.90 @ AC Version |
| Total Harmonic Distortion/總諧波失真/Distorsión armónica total | THD <20% @ AC Version |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | • L70(60k) > 60,500 hrs |
| LED Life-LED壽命-La vida del LED | >50,000 hours |
| Color /顏色 /color | <ul style="list-style-type: none">• RGB• RGBW (4000K) 4-IN-1• RGBC (6000K) 4-IN-1 |
| Beam Angle/光束角/ángulo de haz | <ul style="list-style-type: none">• 15°• 20°• 30°• 15°x60° |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none">• 40lm/w @ Cool White when RGB is FULL Brightness• 55lm/w @ Cool White when RGBW (4000K) 4-IN-1 is FULL Brightness• 60lm/w @ Cool White when RGBC (6000K) 4-IN-1 is FULL Brightness |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none">• 65lm/w @ Cool White when RGB is FULL Brightness• 75lm/w @ Cool White when RGBW (4000K) 4-IN-1 is FULL Brightness• 85lm/w @ Cool White when RGBC (6000K) 4-IN-1 is FULL Brightness |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and Safety glass 壓鑄鋁和安全玻璃 Aluminio fundido y vidrio de seguridad. |
| Housing Color 外殼顏色 color de la carcasa | Matte Silver 啞光銀 Plata mate |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Storage Temperature 儲藏溫度 Temperatura de almacenamiento | -40 °C / +70 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Dimension尺寸Dimensión | Refer to Technical Drawing 請參閱技術圖紙Consulte el dibujo técnico |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaries: IEC 60598-1;IEC 60598-2-1;IEC62471;RoHS LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; IEC/EN 61000-3-3;IEC/EN61574;EN 55015 LED Module: IEC/EN 62031;IEC/EN 60838-2;IEC/EN 62471;LM-80-08:TM-21 |
| Country of Design 設計國家 | United Kingdom 英國 |
| Country of Origin 產地 | PRC 中國 |
| Certification-認證-Certificación |       |

COLOR SPOT LIGHT









FLAYE

12W-240W IP66



Die-cast aluminium body with excellent anti-corrosion powder coating and tempered glass
The bracket surface adopts HDG (hot-d:p galvanizing)
Excellent Protection in IP66 and IK08.
Photobiological safety-EN 62471 / of Luminaire: (RG1)

Technical Data

| | |
|---|--|
| Luminaire Type-安裝方式-Tipo de luminaria | Surface Mounted and Adjustable Type 明裝可調安裝腳 Tipo montado en superficie y ajustable |
| Power Consumption with LED Driver LED燈具包括LED驅動電源功率 Consumo de energía con controlador de LED | <ul style="list-style-type: none"> • 165 x 146mm : 12W 18W 24W 36W • 243 x 210mm : 40W 45W 60W • 270 x 324mm : 80W 100W 120W • 370 x 430mm : 180W 200W 240W (RGB or RGBW Only) |
| Input Voltage / 輸入電壓/Voltaje de entrada | 100-240VAC/50-60HZ |
| Control 控制Control | SW -ON/OFF DMX Dali Control 0-10V Control Zigbee Wireless Control |
| Power Factor / 功率因數/Factor de potencia | PF>0.90 |
| Total Harmonic Distortion/總諧波失/Distorsión armónica total | THD <20% |
| Photobiological safety-EN 62471 / of Luminaire 光生物安全檢驗(EN 62471) 結果: Seguridad fotobiológica-EN 62471 | <ul style="list-style-type: none"> • Risk Group 1; RG1 • 1 類危險 (低危) • Grupo de riesgo 1 |
| Light Source Brand-光源品牌-Fuente de luz de marca | U.S.A CREE |
| "Lumen Maintenance LM-80 Reported by TM-21" | <ul style="list-style-type: none"> L70(10k) > 115,000hrs @240W L70(10k) > 210,000hrs @180W L70(10k) > 226,000hrs @120W &100W L70(10k) > 481,000hrs @60W & 40W L70(10k) > 193,000hrs @200W L70(10k) > 196,000hrs @150W L70(10k) > 217,000hrs @80W |
| LED Life-LED壽命-La vida del LED | >50,000 hours |
| Color Temperature色溫 Temperatura y color or Color 顏色 Color | <ul style="list-style-type: none"> • MONO:2700K / 3000K / 4000K / 5000K / 6500K • 4-in-1 RGBW (White: O: 2700K W: 3000K N: 4000K D:5000K C: 6500K) • RGB (Single LED Chip 1R1G1B) • Color Temperature Adjustment CTA (2700K to 6500K) |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | 80 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Beam Angle光束角ángulo de haz | Symmetric: 4° 7° 10° 15° 30° 45° 60° |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 65 Lm/W @ RGBW • 100 Lm/w @ 2700K • 120 Lm/w@5000K 50 Lm/w@ RGB 100Lm/w @ 3000K 120 Lm/w@5700K 80 Lm/w @ CTA 120 Lm/w@4000K 120Lm/w@6500K |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 104 Lm/W @ RGBW • 140 Lm/w @ 2700K • 160 Lm/w@5000K 90 Lm/w@ RGB 140Lm/w @ 3000K 160 Lm/w@5700K 120 Lm/w @ CTA 140 Lm/w@4000K 160Lm/w@6500K |
| Housing materials 外殼材料 Materiales de la carcasa | Die-cast aluminium and Tempered glass 壓鑄鋁和鋼化玻璃 Die fundición de aluminio y vidrio templado |
| Housing Color 外殼顏色 color de la carcasa | Polyester powders Coating--Matte Black or Matte Grey 聚酯粉末塗料--啞光黑色或啞灰 Polvos de poliéster Revestimiento--Matte Black / Matte Grey |
| Ingress Protection-防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +45 °C |
| Storage Temperature 儲藏溫度 Temperatura de almacenamiento | -40 °C / +70 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Dimension 尺寸 Dimensión | • 165 x 146 x 93 mm 243 x 210 x 94 mm 270 x 324 x 94 mm 370 x 430 x 97 mm |
| Country of Design 設計國家 / País de diseño | United Kingdom 英國 |
| Certificate Standard Complied 符合安規標準 estándar certificado de cumplimiento | LED Luminaries: IEC / EN 60598-1; IEC/EN 60598-2-5; IEC TR62778 IEC62471 (RG1); IEC 62031; EN62493 RoHS LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; IEC/EN 61000-3-3; IEC/EN61574; EN 55015 |
| Certification-認證-Certificación |       |

PICHA-ECO

RGBW Dia 50mm 1.9W Max IP67










LED PIXEL LIGHT is a indoor and outdoor fixture with RGBW color for media façade application. It is able to be controlled by DMX

PICHA-ECO

RGBW Dia 50mm 1.9W Max IP67

DIMON
TECHNOLOGY

Technical Data

| | |
|--|--|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Surface Mounted Type-明裝式燈具 Superficie Tipo Montado |
| QTY of LEDs-燈珠數量-CANT de LEDs | 6pcs RGB(3 in 1) SMD LEDs + 6pcs W SMD LEDs |
| Power Consumption Max 燈具最大功率 Consumo de energía Max | 1.9W |
| Color -顏色-Color | <ul style="list-style-type: none">• RGBO (Orange White: 2700K)• RGBW (Warm White: 3000K)• RGBN(Nature White: 4000K)• RGBD (Day White: 5000K)• RGBC (Cool White: 6500K) |
| Pixels & DMX Channels 像素和DMX 通道 Píxeles y canales DMX | 1 PXL =4 DMX Channels |
| Control Protocol-控制協議 Protocolo de Control | DMX 512A |
| Input Voltage / 輸入電壓 Voltaje de entrada | DC24V |
| Color Range 顏色範圍 Gama de colores | 16.7 Million additive RGB colors and White LED 1670萬RGB顏色配合白光LED 16.7 Millones de colores aditivos RGB; LED blanco |
| Beam Angle/光東角 ángulo de haz | 120° |
| Light Source Brand/光源品牌 Fuente de luz de marca | EPISTAR |
| LED Life/LED壽命 La vida del LED | >50,000 hours |
| LED Pitch LED像素間距 LED Pitch | <ul style="list-style-type: none">• 150 mm• 200 mm• 250 mm• 1000 mm• Custom-Made |
| Pixel Connection Max 一串最大像素點 Pixel Connection Max | Max 40pcs / string 40pcs 一串最大 Max 40 unids / cadena |
| Luminaire Efficacy-燈具效率 La eficacia de la luminaria | 20 Lm/w(RGBO@Full Load) 20 Lm/w(RGBW@Full Load) 25 Lm/w(RGBN@Full Load) 30 Lm/w(RGBD@Full Load) 30 Lm/w(RGBC@Full Load) |
| LED Source Luminous Efficacy-LED光源光效 Fuente luminosa LED Eficacia | 40 Lm/w(RGBO@Full Load) 40 Lm/w(RGBW@Full Load) 50 Lm/w(RGBN@Full Load) 60 Lm/w(RGBD@Full Load) 60 Lm/w(RGBC@Full Load) |
| Housing materials/外殼材料 Materiales de la carcasa | Modified PVC PVC Modificado PVC |
| Housing Color 外殼顏色 color de la carcasa | • Light Grey 淺灰色 Gris claro |
| Dimension/尺寸 Dimensión | Dia 50*15.4mm |
| Weight | 33g / pixel |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +55 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Mech impact protection 機械衝擊保護 Protección contra impactos mecánicos | IK08 |
| Ingress Protection/ 防護等級 Protección de ingreso | IP67 |
| Fireproof Grade 防火等級 Grado a prueba de fuego | UL94 -V0 |
| UV Resistance Level 抗紫外線等級 Nivel de resistencia a los rayos UV | Grade 4 |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-1 |
| Certification-認證-Certificación |        |

PIXEL LIGHT









PICHE

RGBW W:55.5xW:65mm 3W Max IP66



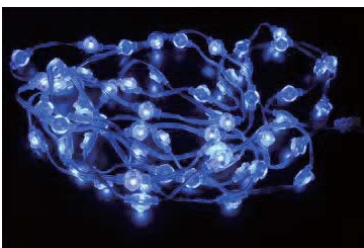
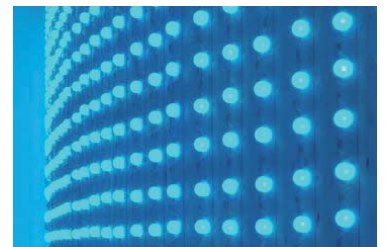
LED PIXEL LIGHT is a indoor and outdoor fixture with RGBW color for media façade application. It is able to be controlled by DMX and RDM. Built-in 16-bit PWM embedded LED IC, featuring 16-bit gray scale control, supports up to 65,536 gray scales for color depths. The high visual refresh rate can facilitate CCD cameras and video cameras to capture the full video images in real time without flickers.

Technical Data

| | |
|---|--|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| QTY of LEDs-燈珠數量-CANT de LEDs | 6pcs RGB 3535 SMD LEDs + 3pcs 3030 W |
| Power Consumption Max 燈具最大功率 Consumo de energía Max | 3W |
| Color -顏色-Color | <ul style="list-style-type: none"> • RGBO (Orange White: 2700K) • RGBW (Warm White: 3000K) • RGBN(Nature White: 4000K) • RGBD (Day White: 5000K) • RGBC (Cool White: 6500K) |
| Pixels & DMX Channels 像素和DMX 通道 Píxeles y canales DMX | 1 PXL =4 DMX Channels 1 PXL= 4 DMX Channels Tailor-made - 客制生產-Hecho a medida |
| Control Protocol-控制協議 Protocolo de Control | DMX 512A / RDM |
| Input Voltage / 輸入電壓 Voltaje de entrada | DC24V |
| Color Range 顏色範圍 Gama de colores | 16.7 Million additive RGB colors and White LED 1670萬RGB顏色配合白光LED 16.7 Millones de colores aditivos RGB; LED blanco |
| RGBW Color Resolution with Gamma correction RGBW顏色經過伽馬校正的分辨率 Resolución de color RGB W con la corrección de gamma | 4 x 16-bit gray scale control and Gamma correction, supports up to 65,536 gray scales for color depths 4 x 16位灰度控制, 支持高達65,536個灰度級的顏色深度 4 x control de escala de grises de 16 bits, soporta hasta 65.536 escalas de gris para profundidades de color |
| Beam Angle/光束角 ángulo de haz | 110° |
| Light Source Brand/光源品牌 Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| LED Life/LED壽命 La vida del LED | >50,000 hours |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 2 SDCM 標準偏差配色< 2 SDCM Coincidencia de color estándar Desviación < 2 SDCM |
| Luminaire Efficacy-燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 40 Lm/w(RGBO@Full Load) • 40 Lm/w(RGBW@Full Load) • 50 Lm/w(RGBN@Full Load) • 55 Lm/w(RGBD@Full Load) • 55 Lm/w(RGBC@Full Load) |
| LED Source Luminous Efficacy-LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 50 Lm/w(RGBO@Full Load) • 50 Lm/w(RGBW@Full Load) • 60 Lm/w(RGBN@Full Load) • 70 Lm/w(RGBD@Full Load) • 70 Lm/w(RGBC@Full Load) |
| Housing materials/外殼材料 Materiales de la carcasa | Weather resistance Fire resistance ABS / PC lens 耐候性耐火ABS / PC Resistencia al clima Resistencia al fuego Lente ABS / PC |
| Housing Color 外殼顏色 color de la carcasa | Light Gray / Black 淺灰色 / 黑色 Gris Claro / Negro |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection/ 防護等級 Protección de ingreso | IP66 - (IEC 60529) |
| Dimension/尺寸 Dimensión | W:55.5 x L:65 x H:16.5 mm |
| Environment/ 使用環境 Medio ambiente | Outdoor /戶外/al aire libre |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-3 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 6 / IEC 61547 |
| Storage Temperature/儲藏溫度 Temperatura de almacenamiento | -40 °C / +70 °C |
| Country of Origin 產地 | PRC 中國 |
| Certification-認證-Certificación |         |

PICNI

RGB D22mm 0.72W Max IP68



LED PIXEL LIGHT is a indoor and outdoor fixture with RGB color for media façade application. It is able to be controlled by DMX and RDM. Built-in 16-bit PWM embedded LED IC, featuring 16-bit gray scale control, supports up to 65,536 gray scales for color depths. The high visual refresh rate can facilitate CCD cameras and video cameras to capture the full video images in real time without flickers. Ingress Protection: IP68.

Technical Data

| | |
|---|---|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| QTY of LEDs-燈珠數量-CANT de LEDs | 1pcs 5050 RGB(3 in 1) SMD LEDs |
| Power Consumption Max 燈具最大功率 Consumo de energía Max | • 0.24W • 0.3W • 0.6W • 0.72W |
| Color -顏色-Color | RGB |
| Pixels & DMX Channels 像素和DMX 通道 Píxeles y canales DMX | 1 PXL = 3 DMX Channels |
| Control Protocol-控制協議 Protocolo de Control | DMX 512A / RDM |
| Input Voltage / 輸入電壓 Voltaje de entrada | • DCSV • DC12V |
| Color Range 顏色範圍 Gama de colores | 16.7 Million additive RGB colors 1670萬RGB顏色 16,7 millones de colores RGB aditivos |
| RGB Color Resolution with Gamma correction RGB顏色經過伽馬校正的分辨率 Resolución de color RGB con la corrección de gamma | 4 x 16-bit gray scale control and Gamma correction, supports up to 65,536 gray scales for color depths 4 x 16位灰度控制，支持高達65,536個灰度級的顏色深度 4 x control de escala de grises de 16 bits, soporta hasta 65.536 escalas de gris para profundidades de color |
| Beam Angle/光東角 ángulo de haz | 120° |
| Light Source Brand/光源品牌 Fuente de luz de marca | EPISTAR - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| LED Life/LED壽命 La vida del LED | >50,000 hours |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 2 SDCM 標準偏差配色 < 2 SDCM Coincidencia de color estándar Desviación < 2 SDCM |
| LED Pitch LED像素間距 LED Pitch | 160 mm min can be customized |
| Pixel Connection Max 一串最大像素點 Pixel Connection Max | Max 60pcs / string 60pcs 一串最大 Max 60 unids / cadena |
| Luminaire Efficacy-燈具效率 La eficacia de la luminaria | 20 Lm/w |
| LED Source Luminous Efficacy-LED光源光效 Fuente luminosa LED Eficacia | 40 Lm/w |
| Housing materials/外殼材料 Materiales de la carcasa | Modified PVC PVC Modificado PVC |
| Housing Color 外殼顏色 color de la carcasa | White with light gray wire / Black with black wire 白色燈板及淺灰色線 / 黑色燈板及黑色線 Blanco con cable gris claro / Negro con cable negro |
| Dimension/尺寸 Dimensión | Dia: 22 x H:14.5 mm (L28mm) |
| Weight | 8.8 g / pixel |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +55 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection/ 防護等級 Protección de ingreso | IP68 - (IEC 60529) |
| Environment/ 使用環境 Medio ambiente | Outdoor /戶外/al aire libre |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-3 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 6 / IEC 61547 |
| Certification-認證-Certificación | |



BAKA

RGBW DIA 50mm 1W IP67



LED DMX RGBW 3D BALL is a indoor and outdoor fixture with RGBW color for media façade application. It is able to be controlled by DMX and RDM. Built-in 16-bit PWM embedded LED IC, featuring 16-bit gray scale control, supports up to 65,536 gray scales for color depths. The high visual refresh rate can facilitate CCD cameras and video cameras to capture the full video images in real time without flickers.

Technical Data

| | |
|---|---|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Hanging 吊裝 Colgando |
| Color -顏色-Color | RGBO (Orange White: 2700K) RGBW (Warm White: 3000K) RGBN(Nature White: 4000K) RGBD (Day White: 5000K) RGBC (Cool White: 6500K) |
| Power Consumption Max 燈具最大功率 Consumo de energía Max | 1W |
| Pixels & DMX Channels 像素和DMX 通道 Píxeles y canales DMX | 1 PXL =4 DMX Channels |
| Pixel Pitch 像素間距 Pixel pitch | 150 mm 200 mm 250 mm 300 mm Tailor-made - 客制生產-Hecho a medida |
| Control Protocol-控制協議 Protocolo de Control | DMX 512A / RDM |
| Input Voltage / 輸入電壓 Voltaje de entrada | DC24V |
| Color Range 顏色範圍 Gama de colores | 16.7 Million additive RGB colors and White LED 1670萬RGB顏色配合白光LED 16.7 Millones de colores aditivos RGB; LED blanco |
| RGBW Color Resolution with Gamma correction RGBW顏色經過伽馬校正的分辨率 Resolución de color RGB W con la corrección de gamma | 4 x 16-bit gray scale control and Gamma correction, supports up to 65,536 gray scales for color depths 4 x 16位灰度控制，支持高達65,536個灰度級的顏色深度 4 x control de escala de grises de 16 bits, soporta hasta 65.536 escalas de gris para profundidades de color |
| Beam Angle/光束角 ángulo de haz | 360° |
| Light Source Brand/光源品牌 Fuente de luz de marca | NICHIA - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| LED Life/LED壽命 La vida del LED | >50,000 hours |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 2 SDCM 標準偏差配色 < 2 SDCM Coincidencia de color estándar Desviación < 2 SDCM |
| Luminaire Efficacy-燈具效率 La eficacia de la luminaria | 40 Lm/w(RGBO@Full Load) 40 Lm/w(RGBW@Full Load) 50 Lm/w(RGBN@Full Load) 55 Lm/w(RGBD@Full Load) 55 Lm/w(RGBC@Full Load) |
| LED Source Luminous Efficacy-LED光源光效 Fuente luminosa LED Eficacia | 50 Lm/w(RGBO@Full Load) 50 Lm/w(RGBW@Full Load) 60 Lm/w(RGBN@Full Load) 70 Lm/w(RGBD@Full Load) 70 Lm/w(RGBC@Full Load) |
| Housing materials/外殼材料 Materiales de la carcasa | Polycarbonate 聚碳酸酯 Policarbonato |
| Housing Color 外殼顏色 color de la carcasa | Milky Diffuser 乳白色罩 Milky difusor |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcion ambiente | -20 °C / + 50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection/ 防護等級 Protección de ingreso | IP67 |
| Dimension/尺寸 Dimensión | Dia 50 mm |
| Environment/ 使用環境 Medio ambiente | Outdoor /戶外/al aire libre |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-3 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 6 / IEC 61547 |

Certification-認證-Certificación



LED STRIP & NEON LIGHT




STECORA

2W ~20W /M IP67



LED Strip Light with durable and anti-UV Polyurethane (PU) glue and tube, achieves seamless and uniformity. Lead-free and mercury-free, Strong adhesion. Ingress Protection: IP67.

Technical Data

| | | | | | | | | | | | | | |
|--|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Luminaire Type-安裝方式/Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado | | | | | | | | | | | | |
| Dimension-尺寸-Dimensión | W: 12 x H: 5 mm @ Length Per Roll: 5M | | | | | | | | | | | | |
| QTY of LEDs-燈珠數量-CANT de LEDs And Cutting Length 切割長度Y longitud de corte | <ul style="list-style-type: none"> • 120PCS 2835 Low Power LEDs @ 1 Meter Cutting Length: 50 mm • 180PCS 2835 Low Power LEDs @ 1 Meter Cutting Length: 33.3 mm • 240PCS 2835 Low Power LEDs @ 1 Meter Cutting Length: 25 mm | | | | | | | | | | | | |
| Power Consumption Max / Meter-燈具功率/米 Consumo de energía Max/ Meter | <table border="1"> <tr> <td>2W</td> <td>4W</td> <td>6W</td> <td>8W</td> <td>10W</td> <td>12W</td> </tr> <tr> <td>14W</td> <td>15W</td> <td>16W</td> <td>18W</td> <td>20W</td> <td></td> </tr> </table> | 2W | 4W | 6W | 8W | 10W | 12W | 14W | 15W | 16W | 18W | 20W | |
| 2W | 4W | 6W | 8W | 10W | 12W | | | | | | | | |
| 14W | 15W | 16W | 18W | 20W | | | | | | | | | |
| Input Voltage-輸入電壓-Voltaje de entrada | DC24 V | | | | | | | | | | | | |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0 -10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ (Dimming range from 0-100%) 6. RDM Driver AC100-240V 50/60HZ | | | | | | | | | | | | |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control | | | | | | | | | | | | |
| Beam Angle 光束角 ángulo de haz | 120° | | | | | | | | | | | | |
| Light Source Brand-光源品牌-Fuente de luz de marca | CREE | | | | | | | | | | | | |
| "Lumen Maintenance LM-80 Reported by TM-21" @ Ta 50 °C | L70(10k) > 60,000 hrs | | | | | | | | | | | | |
| LED Life-LED壽命-La vida del LED | >60,000 hours | | | | | | | | | | | | |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K | | | | | | | | | | | | |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • > 80 • > 90 | | | | | | | | | | | | |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM | | | | | | | | | | | | |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 100 Lm/w(2700K), 100 Lm/w(3000K), 120Lm/w(4000K), • 130 Lm/w(5000K), 130 Lm/w(6500K), | | | | | | | | | | | | |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 120 Lm/w(2700K), 120 Lm/w(3000K), 140Lm/w(4000K), • 150 Lm/w(5000K), 150 Lm/w(6500K), | | | | | | | | | | | | |
| Housing materials-外殼材料 Materiales de la carcasa | Polyurethane (PU) Case and Polyurethane (PU) Glue PU保護套和PU膠 Caja de PU y pegamento de PU | | | | | | | | | | | | |
| Housing Color 外殼顏色 color de la carcasa | Transparent color with milky white | | | | | | | | | | | | |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +50 °C | | | | | | | | | | | | |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación | | | | | | | | | | | | |
| Ingress Protection-防護等級 Protección de ingreso | IP67 | | | | | | | | | | | | |
| Package Dimension -包裝尺寸 Dimensión del paquete | 5M / Roll | | | | | | | | | | | | |
| Environment-使用環境-medio ambiente | Outdoor | | | | | | | | | | | | |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-1/ IEC 62471 / IEC 62493 / IEC 62031/ TM21 / ROHS LED Driver: EN 55015 / IEC 61000-3-2 /IEC 61347-1 /IEC 61347-2-13/IEC 61547 | | | | | | | | | | | | |
| Certification-認證-Certificación |  | | | | | | | | | | | | |

STARCO









DMX W16xH6mm 12W/M Max IP65



LED DMX STRIP LIGHT with durable and anti-UV Silicone Case material housing protection presents good translucent, achieves seamless and uniformity. It is able to be controlled by DMX. With 50Z PCB copper design, LED color always keeps same brightness after at least 15meter long distance power supply. Standard DMX512 control protocol(Max 44frames/second).

LED STRIP LIGHT IP20-IP67

Technical Data

| | |
|--|---|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| QTY of LEDs-燈珠數量-CANT de LEDs | <ul style="list-style-type: none"> • 30PCS LEDs @ 1 Meter (30 Pixles / M DMX Channel of RGB and Mono Color: 90 / Meter ; DMX Channel of RGBW: 120 / Meter) • 32PCS LEDs @ 1 Meter (16 Pixles / M DMX Channel of RGB and Mono Color: 48 / Meter ; DMX Channel of RGBW: 64 / Meter) • 48PCS LEDs @ 1 Meter (16 Pixles / M DMX Channel of RGB and Mono Color: 48 / Meter ; DMX Channel of RGBW: 64 / Meter) • 60PCS LEDs @ 1 Meter (10 Pixles / M DMX Channel of RGB and Mono Color: 30 / Meter ; DMX Channel of RGBW: 40 / Meter) |
| Color -顏色-Color | 2700K / 3000K / 4000K / 5000K / 6500K / RGB/RGBO(2700K)/RGBW(3000K)/RGBN(4000K)/ RGBD(5000K) |
| Power Consumption Max 燈具最大功率 Consumo de energía Max | • 12W |
| Input Voltage / 輸入電壓 Voltaje de entrada | <ul style="list-style-type: none"> • DC5V @ 30LEDS • DC12V @ 32 LEDES and 48 LEDs • D24V @ 60 LEDES |
| Control Protocol-控制協議 Protocolo de Control | <ul style="list-style-type: none"> • Built-in 8-Bit DMX512 Control IC • Dimming range: 0~100%, LED start at 0.01% possible. • Flicker-free achieve the level of exemption assessment. |
| Length – smallest unit 長度 – 最小單位 unidad más pequeña | 100mm |
| Beam Angle/光束角 ángulo de haz | 120° |
| Light Source Brand/光源品牌 Fuente de luz de marca | CREE - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| LED Life/LED壽命 La vida del LED | >50,000 hours |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy-燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 60 Lm/w(2700K@Full Load), • 70 Lm/w(3000K@Full Load), • 80 Lm/w(4000K@Full Load), • 90 Lm/w(5000K@Full Load), • 90 Lm/w(6500K@Full Load), • 40 Lm/w (RGB@Full Load) • 50 Lm/w (RGBO, RGBW, RGBN, RGBD@Full Load) |
| LED Source Luminous Efficacy-LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 110Lm/w(2700K@Full Load), • 120Lm/w(3000K@Full Load), • 130 Lm/w(4000K@Full Load), • 140Lm/w(5000K@Full Load), • 140Lm/w(6500K@Full Load), • 60Lm/w (RGB@Full Load) • 80 Lm/w (RGBO, RGBW, RGBN, RGBD@Full Load) |
| Housing materials/外殼材料 Materiales de la carcasa | <ul style="list-style-type: none"> • IP44 - Silicone Case with open cable • IP65 -Silicone Case with IP65 Connector |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -20 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection/ 防護等級 Protección de ingreso | <ul style="list-style-type: none"> • IP44 - (IEC 60529) • IP65 - (IEC 60529) |
| Dimension/尺寸 Dimensión | <ul style="list-style-type: none"> • W: 16 x H: 6 mm @ IP44 • W: 16 x H: 6 mm @ IP65 Connector Dia : 20mm |
| Package Dimension -包裝尺寸 Dimensión del paquete | 5M or 10M / Roll |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | LED Luminaires: IEC 60598-1 / IEC 60598-2-3 / Photometric data-IES format LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 6 / IEC 61547 |
| Certification-認證-Certificación |         |

STRAAP

W10mm 2W-28.8W



LED Flexible Strip Light with durable and anti-UV Silicone Case (IP65) material housing protection presents good translucent, achieves seamless and uniformity. LED sources work with high color rendering index for light color consistency.

LED STRIP LIGHT IP20-IP67

STRAAP

W10mm 2W-28.8W

Technical Data

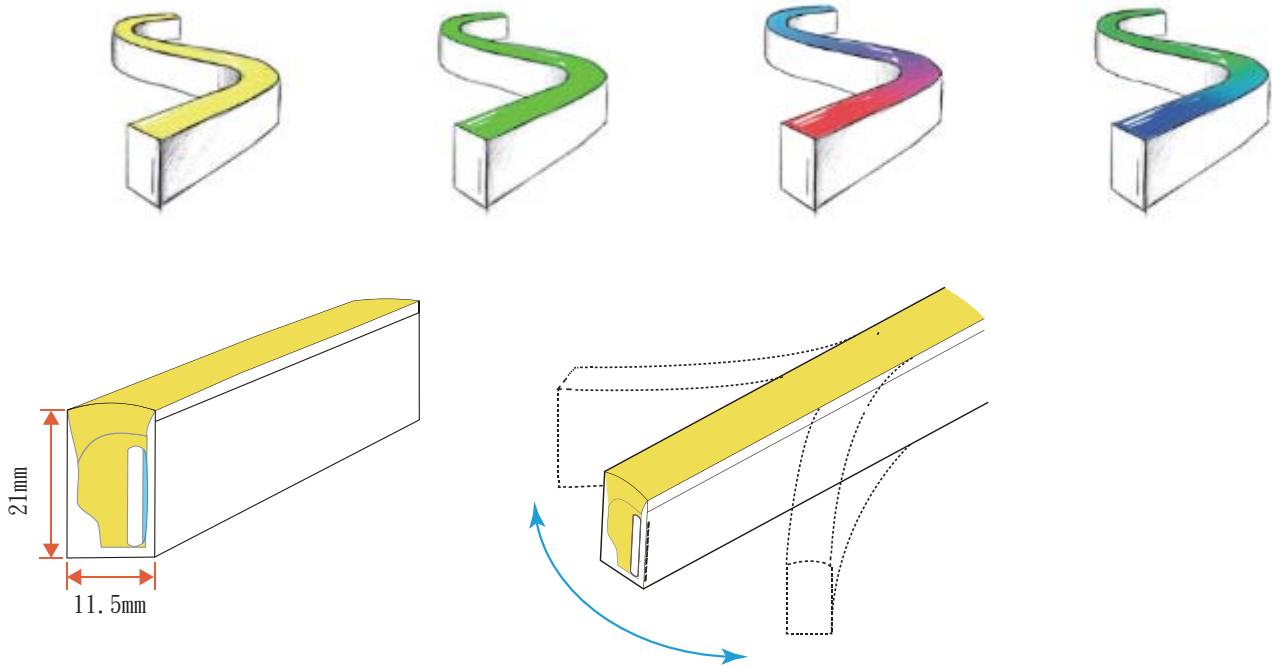
| | |
|--|--|
| Luminaire Type- 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Dimension-尺寸-Dimensión | W: 10 x H: 4.3 mm @ Length Per Roll: 5M |
| QTY of LEDs-燈珠數量-CANT de LEDs And Cutting Length 切割長度Y longitud de corte | <ul style="list-style-type: none"> • 80PCS 2835 Low Power LEDs @ 1 Meter Cutting Length: 100 mm • 60PCS 2835 Low Power LEDs @ 1 Meter Cutting Length: 100 mm • 120PCS 2835 Low Power LEDs @ 1 Meter Cutting Length: 50 mm • 180PCS 2835 Low Power LEDs @ 1 Meter Cutting Length: 33.3 mm • 240PCS 2835 Low Power LEDs @ 1 Meter Cutting Length: 25 mm • 60PCS 2835 High Power LEDs @ 1 Meter Cutting Length: 100 mm • 96PCS 2835 High Power LEDs @ 1 Meter Cutting Length: 62.5 mm • 120PCS 2835 High Power LEDs @ 1 Meter Cutting Length: 50 mm |
| Power Consumption Max-燈具功率 Consumo de energía Max | <ul style="list-style-type: none"> • 2W @ 80 pcs LEDs @ 1 Meter (Low Power SMD2835) • 4.8W @ 60 pcs LEDs @ 1 Meter (Low Power SMD2835) • 9.6W @ 120 pcs LEDs @ 1 Meter (Low Power SMD2835) • 12W @ 180 pcs LEDs @ 1 Meter (Low Power SMD2835) • 14.5W @ 180 pcs LEDs @ 1 Meter (Low Power SMD2835) • 19.2W @ 240 pcs LEDs @ 1 Meter (Low Power SMD2835) • 14.4W @ 60 pcs LEDs @ 1 Meter (High Power SMD2835) • 23W @ 96pcs LEDs @ 1 Meter (High Power SMD2835) • 28.8W @ 120 pcs LEDs @ 1 Meter (High Power SMD2835) |
| Input Voltage-輸入電壓-Voltaje de entrada | DC24 V |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED <ol style="list-style-type: none"> 1. ON/OFF Switch AC100-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ (Dimming range from 0-100%) 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Beam Angle 光束角 ángulo de haz | 120° |
| Light Source Brand-光源品牌-Fuente de luz de marca | 2835 SMD - (Photobiological safety-IEC 62471 'Risk Group 1' (low risk)) |
| "Lumen Maintenance LM-80 Reported by TM-21" | <ol style="list-style-type: none"> 1. L90(10k) = 50,700 hrs 2. L80(10k) > 63,500 hrs 3. L70(10k) > 63,500 hrs |
| LED Life-LED壽命-La vida del LED | >60,000 hours |
| Color Temperature -色溫 Temperatura del color | 2700K / 3000K / 4000K / 5000K / 6500K |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | <ul style="list-style-type: none"> • > 80 • > 90 |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning ellipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy 燈具效率 La eficacia de la luminaria | <ul style="list-style-type: none"> • 90 Lm/w(2700K), • 90 Lm/w(3000K), • 95 Lm/w(4000K), • 100 Lm/w(5000K), • 100 Lm/w(6500K), |
| LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia | <ul style="list-style-type: none"> • 105 Lm/w(2700K), • 105 Lm/w(3000K), • 110 Lm/w(4000K), • 120 Lm/w(5000K), • 120 Lm/w(6500K), |
| Housing materials-外殼材料 Materiales de la carcasa | Silicone Case |
| Housing Color 外殼顏色 color de la carcasa | Transparent color |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de función ambiente | -20 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection-防護等級 Protección de ingreso | <ul style="list-style-type: none"> • IP20 - (IEC 60529) • IP65 - (IEC 60529) • IP67 - (IEC 60529) |
| Package Dimension -包裝尺寸 Dimensión del paquete | 5M / Roll |
| Environment-使用環境-medio ambiente | Indoor or Outdoor |
| Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba | <ul style="list-style-type: none"> • LED Luminaires: IEC 60598-1 / IEC 60598-2-1/ Photometric data-IES format • LED Driver: EN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13/IEC 61547 |

Certification-認證-Certificación

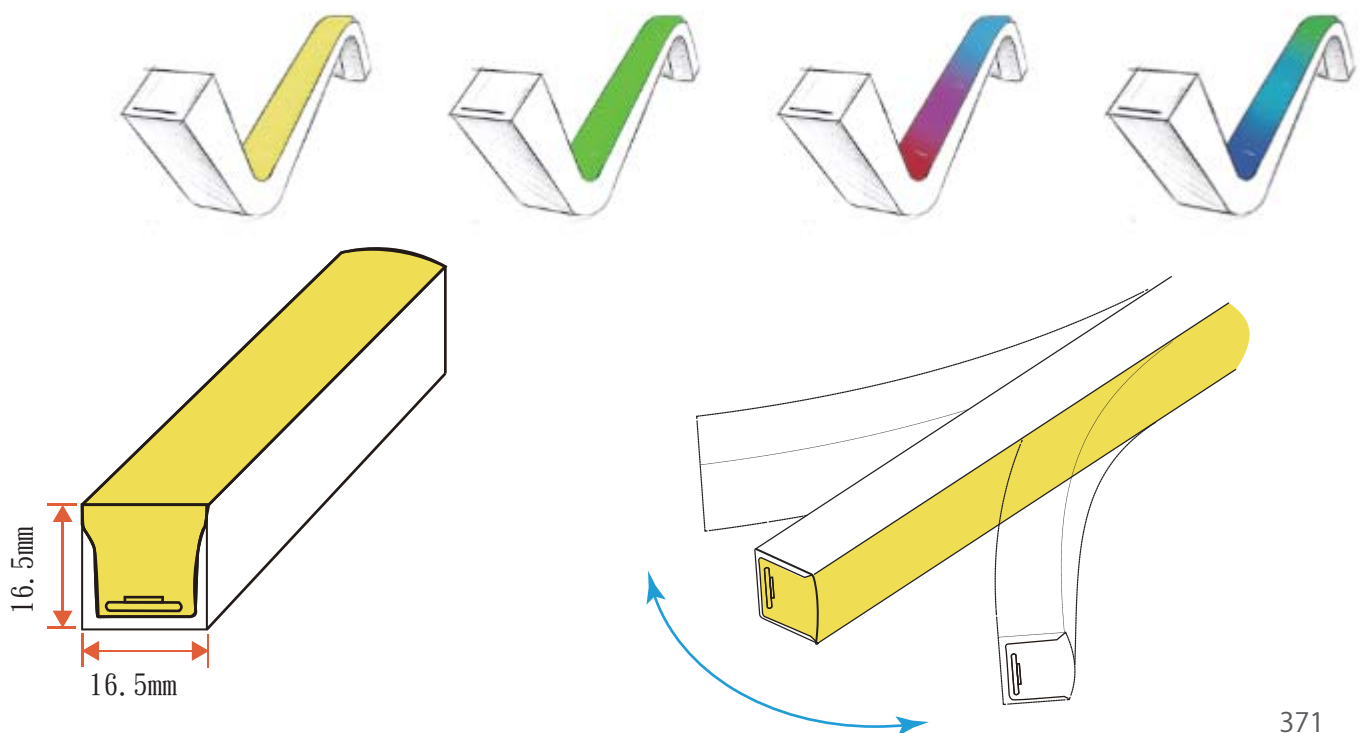




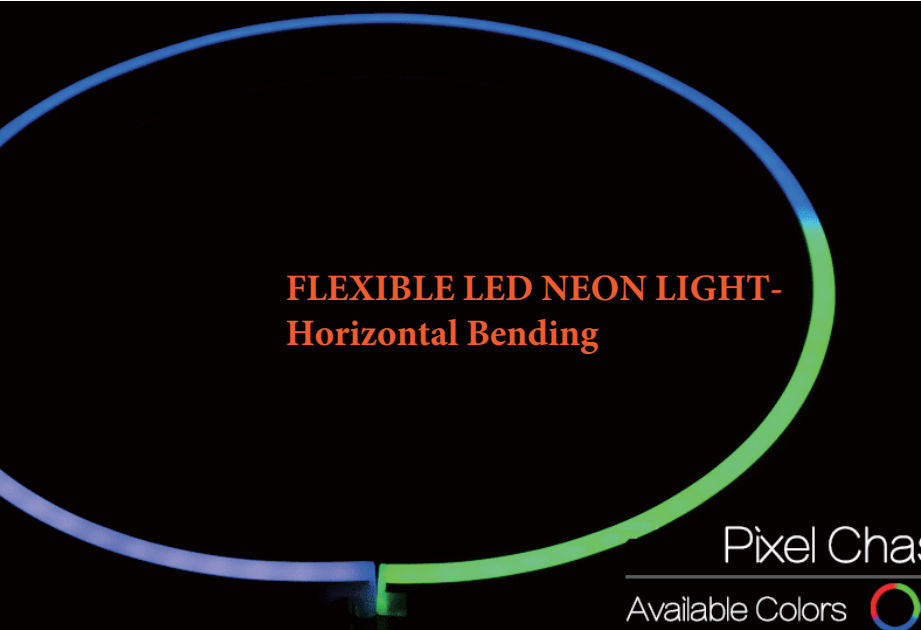
Horizontal Bending -Top Light Neon Light IP68



Vertical Bending-Top Light Neon Light IP68



W: 11.5mm x H: 21mm 15W Max IP68



**FLEXIBLE LED NEON LIGHT -
Horizontal Bending**



Multic RGB(W)

Available Colors



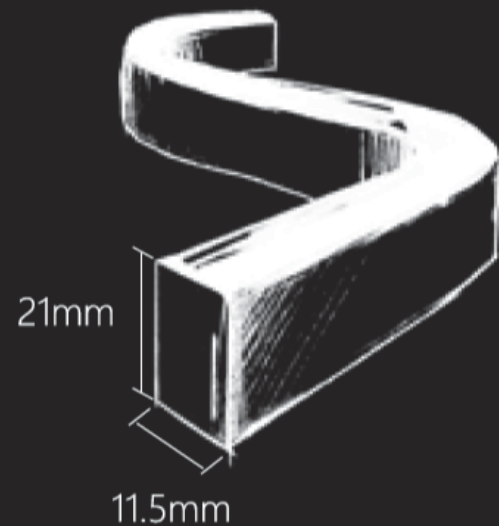
Tunable White

Available Colors

Pixel Chasing

Available Colors

Flat Shape
120° Beam Angle
Horizontal Bending









Mono

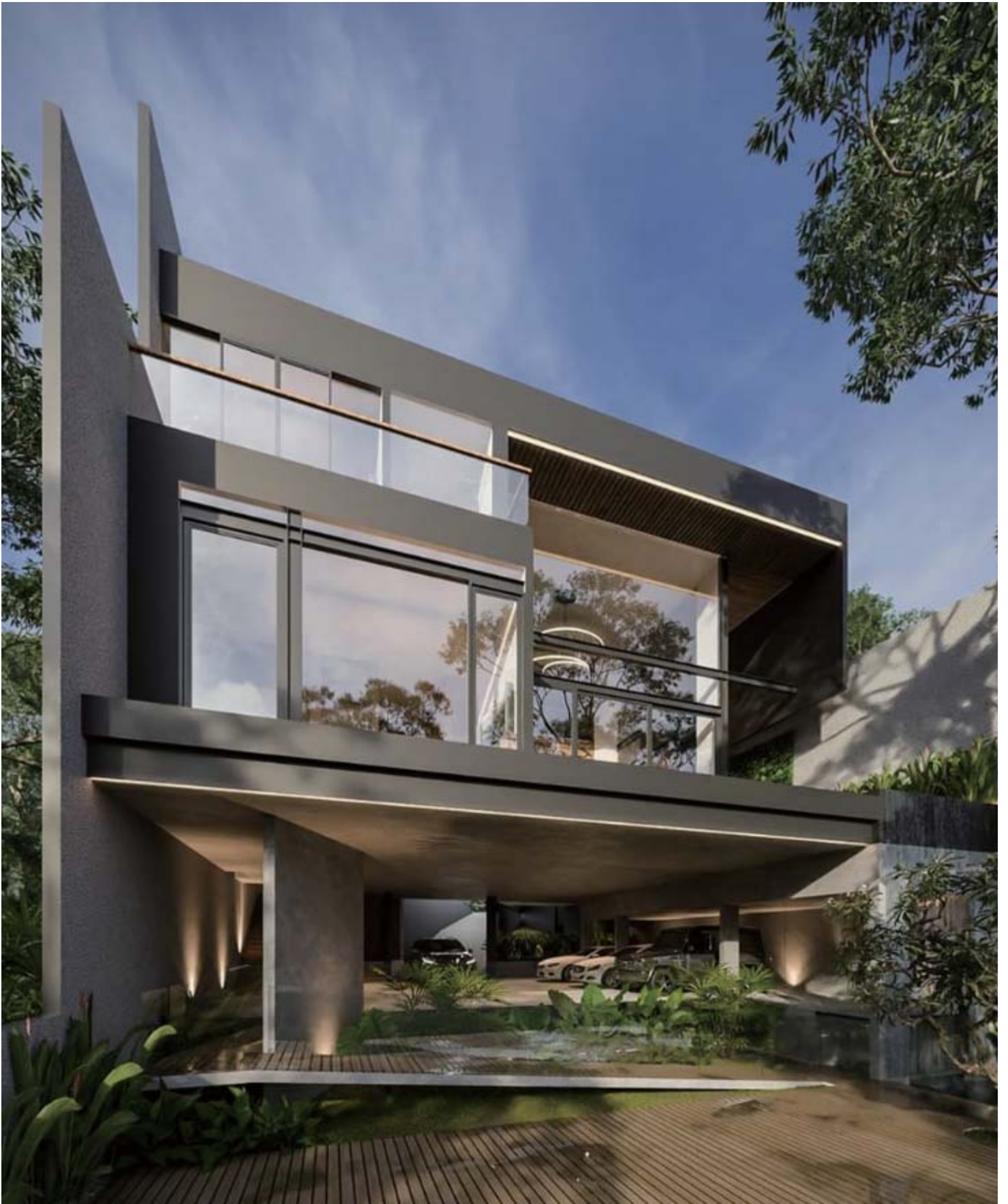
Available CCT 2200-6500K
Available Color

- Front emitting for homogeneous, soft & dot-free lighting
- Luminous surface Material: Flat shape Anti-UV diffused Ivory White PVC under
- ISO4892-3 Test First-class eco-friendly UV-resistant PVC material under ISO4892-3 Test
- Full encapsulated with IP68 Level
- Horizontal Bending and Vertical Bending.

NEON LIGHT IP68

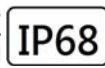
Technical Data

| Luminaire Type/ 安裝方式Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
|--|---|
| Power Consumption Max/ Meter 每米燈帶最大功率 Consumo de energía Max / Meter | • Mono Color : 5W 8W 10W 12W 15W • RGB : 12W RGBW : 15W |
| Input Voltage / 輸入電壓 / Voltaje de entrada | DC24V |
| Min. Cutting Length 可剪最短長度 Longitud de min. cutting | • Mono Color : 8.33mm • Tunable White & RGB & RGBW: 10mm |
| Control Protocol-控制協議 Protocolo de Control | • Remote LED Driver : 0-10V / Dali / DMX / ZIGBEE Wireless Control • Integrated DMX512 + DC24V control circuit in the Neon Light • DMX Channel : 1. 3 DMX Channel RGB 3個DMX通道RGB 3 canales DMX RGB 2. 4 DMX Channel RGBW 4個DMX通道RGBW 4 canales DMX RGBW 3. 8 Pixel Per Meter (24 DMX Channel RGB 24個DMX通道RGB 24 canales DMX RGB) |
| Color Temperature or Color -色溫或顏色 Temperatura de color o color | • 2700K / 3000K / 4000K / 5000K / 6500K • Tunable White (2200K to 5700K) • RGB RGBW (2700K / 3000K / 4000K / 5000K / 6500K) |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 |
| "Lumen Maintenance LM-80 Reported by TM-21"@ Ta 25°C | L70(10k) > 100,000 hrs |
| Beam Angle/光束角 / ángulo de haz | 120° |
| Light Source Brand/光源品牌 Fuente de luz de marca | • OSRAM SMD or CREE SMD |
| LED Life/LED壽命/La vida del LED | >100,000 hours |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy-燈具效率 La eficacia de la luminaria | • 35 Lm/w(2700K), 35 Lm/w(3000K), 40 Lm/w(4000K), 45 Lm/w(5000K), 45 Lm/w(6500K), • Red 30 Lm/w Blue 10Lm/w Green 35Lm/w Amber 25 Lm/w • 40 Lm/w Tunable White (2200K to 5700K) • 20 Lm/w RGB • 25 Lm/w RGBW (2700K / 3000K / 4000K / 5000K / 6500K) |
| LED Source Luminous Efficacy-LED光源光效 Fuente luminosa LED Eficacia | • 110 Lm/w(2700K), 110Lm/w(3000K), 120 Lm/w(4000K), 130 Lm/w(5000K), 130 Lm/w(6500K), • Red 100 Lm/w Blue 30Lm/w Green 120Lm/w Amber 85 Lm/w • 115 Lm/w Tunable White (2200K to 5700K) • 80 Lm/w RGB • 100 Lm/w RGBW (2700K / 3000K / 4000K / 5000K / 6500K) |
| Housing materials/外殼材料 Materiales de la carcasa | Eco PVC |
| Bending Direction 可彎曲方向 Dirección de flexión | • Horizontal Bending @ Top View 水平彎曲上面發光 • Doblado horizontal en la vista superior |
| Min. Bending 燈具最小彎曲度Flexión mínima | Dia 120 mm |
| Max Length Feed 單組最大連接長度 Alimentación de longitud máx. | 10M |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection/ 防護等級 Protección de ingreso | IP68 - (IEC 60529) |
| Dimension/尺寸 Dimensión | W: 11.5mm x H: 21mm |
| Environment/ 使用環境 Medio ambiente | Outdoor /戶外/al aire libre |
| Comply Testing Standard符合測試標準 Cumplir el estándar de prueba | LED Luminaries: LVD: IEC/EN 60598-1;EN / IEC/EN 60598-2-1;IEC62471;IEC/EN 62031; IEC/EN 62493 ; IEC/EN 62471 (Risk Group 1) |
| Certification-認證-Certificación |       |

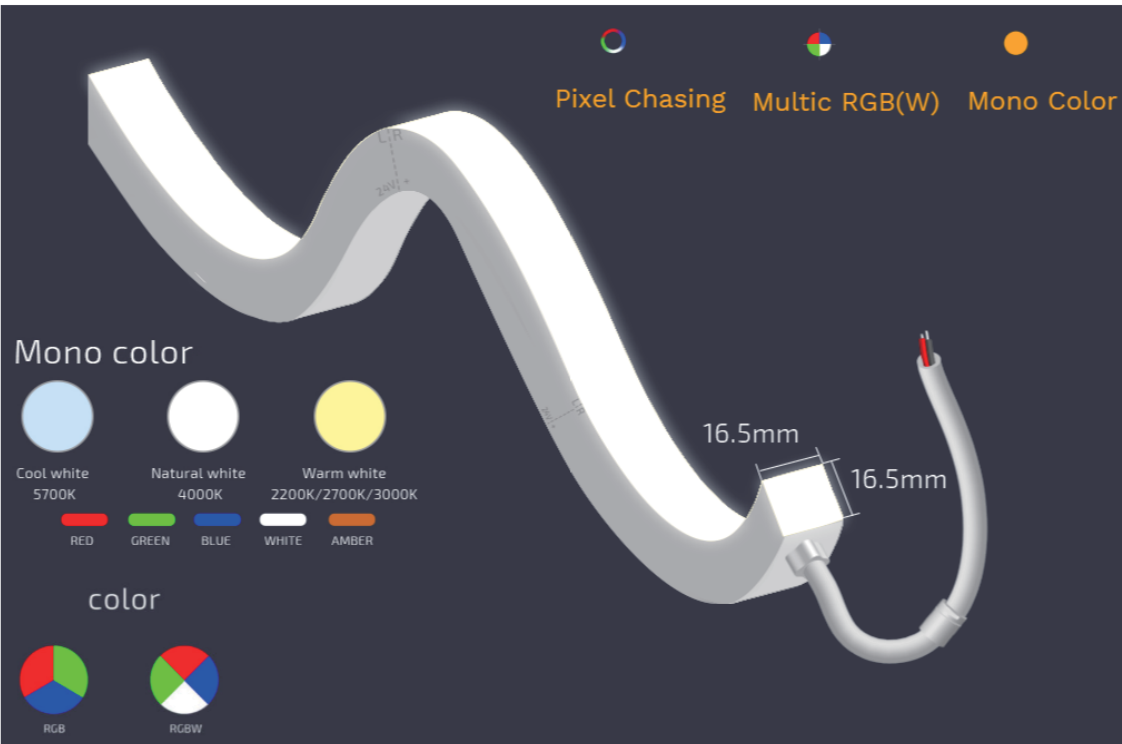


STRADO

NEON W:16.5xH:16.5mm 12W Max IP68



Pixel Chasing Multic RGB(W) Mono Color



Mono

Available CCT 2200-6500K
Available Color



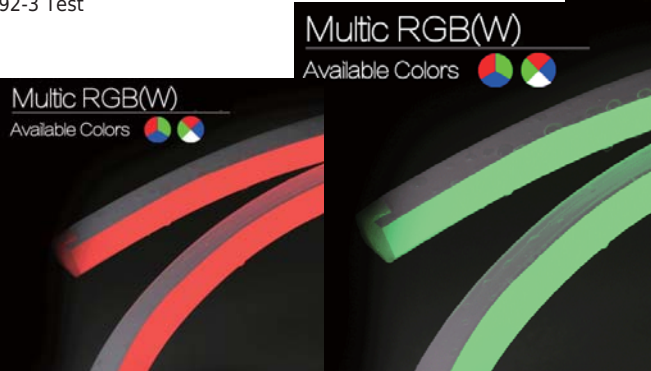
Multic RGB(W)

Available Colors



Multic RGB(W)

Available Colors



Multic RGB(W)

Available Colors

Multic RGB(W)

Available Colors







Pixel Chasing

Available Colors



FLEXIBLE LED MONO NEON LIGHT
Front emitting for homogeneous, soft & dot-free lighting
Luminous surface Material: Flat shape Anti-UV diffused Ivory White PVC under ISO4892-3 Test
First-class eco-friendly UV-resistant PVC material under ISO4892-3 Test
Full encapsulated with IP68 Level
Horizontal Bending and Vertical Bending.

Technical Data

| | |
|---|--|
| Luminaire Type/ 安裝方式 Tipo de luminaria | Surface Mounted Type 明裝式燈具 Superficie Tipo Montado |
| Power Consumption Max/LEDs Qty 燈具最大功率/ LED 燈珠數量 Consumo de energía Máx. / Cantidad de LED | <ul style="list-style-type: none"> • 10W Per Meter @120 pcs LED in Mono Color • 15W Per Meter @72 pcs LED in RGB Color (3 DMX Channel) • 15W Per Meter @60 pcs LED in RGBW Color (4 DMX Channel) • 12W Per Meter @ 56 pcs LED in RGB- pixels/m 24 DMX Channel/m • 15W Per Meter @ 70 pcs RGBW DMX Pixel Chasing Control - RGBW 10 pixels/m -40 DMX Channel /m |
| Min. Cutting Length 可剪最短長度 Longitud de min. cutting | <ul style="list-style-type: none"> • 100mm @12pcs LEDs for Mono Color • 83.3mm @ 6pcs LEDs for RGB Color • 125mm @ 7pcs LEDs for RGB Color DMX Pixel Chasing Control • 100mm @ 7pcs LEDs for RGBW Color DMX Pixel Chasing Control |
| Min. Bending 燈具最小彎曲度 Flexión mínima | Dia 120 mm |
| LED Driver Type LED驅動款式 Tipo de controlador LED | Remote-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED <ol style="list-style-type: none"> 1. ON/OFF Switch AC220-240V 50/60HZ 2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ 3. 0-10V Dimming Driver AC100-240V 50/60HZ 4. Dali Dimming Driver AC100-240V 50/60HZ 5. DMX Driver AC100-240V 50/60HZ (Dimming range from 0-100%) 6. RDM Driver AC100-240V 50/60HZ 7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours 應急電池/Copia de seguridad de emergencia |
| Control Protocol-控制協議 Protocolo de Control | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control |
| Input Voltage / 輸入電壓 Voltaje de entrada | DC24V |
| Color / Color Temperature 顏色或色溫 Color / Temperatura de color | <ul style="list-style-type: none"> • 2200K / 2700K / 3000K / 4000K / 5700K • RED / GREEN / BLUE / AMBER / RGB / RGBW • (2200K / 2700K / 3000K / 4000K / 5700K) |
| Color Rendering Index-顯色指數 Índice de reproducción cromática | > 80 @ Mono White >90 @ Mono White |
| "Lumen Maintenance LM-80 Reported by TM-21" | L70(10k) > 63,500 hrs |
| Beam Angle/光束角 ángulo de haz | 120° |
| Light Source Brand/光源品牌 Fuente de luz de marca | EPISTAR |
| LED Life/LED壽命 La vida del LED | >50,000 hours |
| MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse | Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM |
| Luminaire Efficacy-燈具效率 La eficacia de la luminaria | Mono Color: <ul style="list-style-type: none"> • 35 Lm/w(2200K & 2700K) 35 Lm/w(3000K) 40 Lm/w(4000K) 45 Lm/w(5700K), • 20 Lm/w @ Red 620~630nm 8 Lm/w @ Blue 465~475nm • 24 Lm/w @ Green 520~530nm 18Lm/w @ Amber 585~595nm RGB Color : 20Lm/w RGBW Color : 23Lm/w |
| Housing materials/外殼材料 Materiales de la carcasa | Eco PVC (Polyvinyl chloride) 環保聚氯乙烯 Cloruro de polivinilo ECO |
| Bending Direction 可彎曲方向 Dirección de flexión | <ul style="list-style-type: none"> • Horizontal Bending @ Top Light Up 水平彎曲@頂部發光 Doblado horizontal @ Top Light Up • Vertical Bending @ Side Light Up 垂直彎曲@側面發光 Doblado vertical @ Luz lateral hacia arriba |
| Max Length Feed 單組最大連接長度 Alimentación de longitud máx. | 7m @ Single Feed 單端通電 15m @ Double Feed 兩端通 |
| Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento | -30 °C / +50 °C |
| Operating Humidity -工作濕度 Humedad de funcionamiento | 0~90%, non-condensing-不結霜 sin condensación |
| Ingress Protection/ 防護等級 Protección de ingreso | IP68 - (IEC 60529) |
| Dimension/尺寸 Dimensión | W: 16.5 x H: 16.5 mm |
| Package Dimension -包裝尺寸 Dimensión del paquete | 5M / Roll 10M / Roll 15M / Roll 20M / Roll |
| Certification-認證-Certificación |       |



DIMON

T E C H N O L O G Y

Email: sales@dimontechnology.com

www.dimontechnology.com