











HAL

100W-150W



The HAL High Bay Light is finished by Die-cast aluminium with separated and integrated LED Drive, with surface anti-ageing electrostatic spray processing, All die-casting components after mechanical and chemical anti-corrosion treatment, UV resistant exterior paint system, and with tempered clear Glass and Heat Resisting Cable. It's as well a great alternative to urban furniture due to its IP65 protection rating and IK09 Impact protection. Adopt modular light distribution Lens and super clear tempered glass. Button design for opening LED driver 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: Mouting by Brackett or Hanging.

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	100W @ 48 pcs LED CREE 120W @ 48 pcs LED CREE 150W @ 60 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>0.95/115VAC, PF>0.93/230VAC, PF>0.90/277VAC
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 (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 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	25° 60° 120° Asymmetric Optical Type: T3A
uminaire Efficacy 燈具效率 La eficacia de la luminaria	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	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 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) 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	IP65
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	-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	Type A: Dia 460mm x H: 160mm Type B: Dia 460mm x H: 176mm
Net Weight /Gross Weight 淨重/毛重 Peso Neto / Peso Bruto	9.3kg /10.1kg @ 100W 9.3kg /10.1kg @ 120W 9.4kg /10.2kg @ 150W
Packing box size 包裝箱尺寸 Tamaño de la caja de embalaje	470 x 470 x 135mm Remark(1050pcs / 20"container or 2155 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	         

Project	Fixture#	Date
		Firm



Ordering Information

Choose the option that suits your need and write its corresponding code on the appropriate line to form the product code.

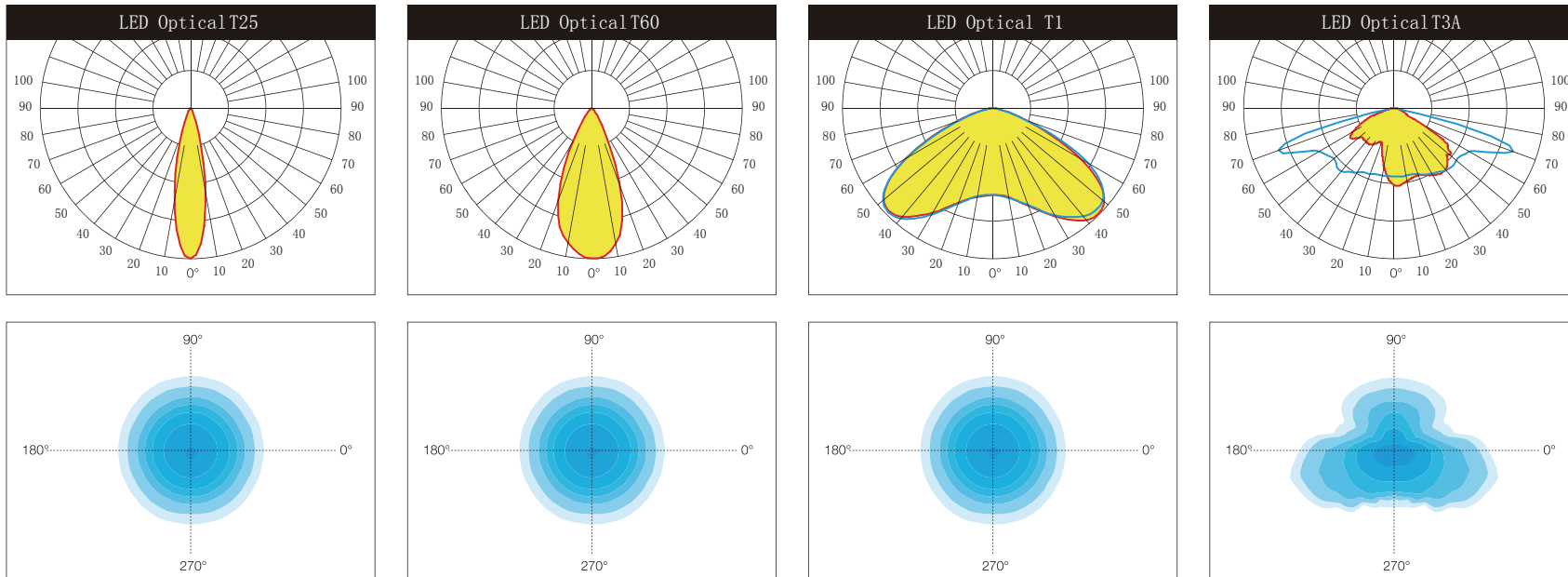
Example product code: [HAL-100W-SW-S-30-70](#)

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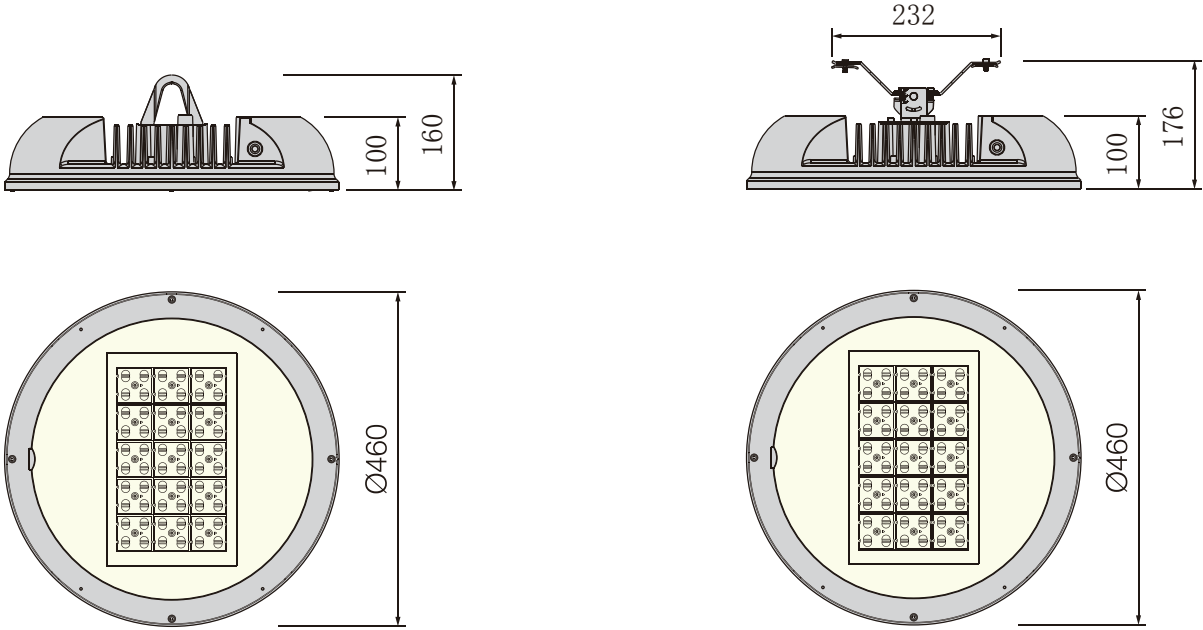
POWER CONSUMPTION
LED DRIVER TYPE
BEAM ANGLE
COLOR TEMPERATURE
COLOR RENDERING INDEX

POWER CONSUMPTION		LED DRIVER TYPE		BEAM ANGLE		COLOR TEMPERATURE		COLOR RENDERING INDEX	
Code	Description	Code	Description	Code	Description	Code	Description	Code	Description
100W	100W	SW	ON/OFF Switch	S	25°	27	2700K	80	>80
120W	120W	ELV	ELV Leading Ledge Control	M	60°	30	3000K	70	>70
150W	150W	DA	DALI diming	L	120°	40	4000K		
		DMX	DMX Diming	XL	Asymmetric Optical Type :T3A	50	5000k		
		RDM	RDM Diming			65	6500K		
		ZI	ZIGBEE Wireless Control						

BEAM ANGLE



Technical Drawing



Type A

Type B

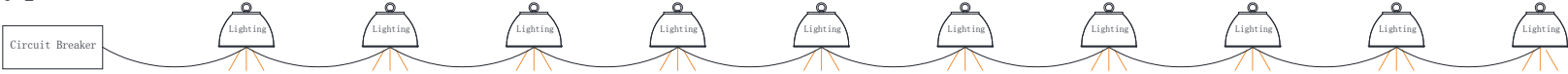
Unit: mm

Wiring Drawing

Type C

Unit light power: 100W

Max connect 10pcs one group.



AC220 16A one way

Circuit Breaker

Type C

Unit light power: 120W

Max connect 9pcs one group.



AC220 16A one way

Circuit Breaker

Type C

Unit light power: 150W

Max connect 7pcs one group.



AC220 16A one way

Circuit Breaker
