

**DRINO**

Dia 78 ~ Dia 282mm Max 35W IP54



CB




**ZigBee**



LED RECESSED LOW GLARE DOWN LIGHT. Housing: die-cast aluminium with powder-coated, Anti UV and fire resistance 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. Optional Tunable White controlled by DALI Dimming

## Technical Data

Luminaire Type-安裝方式Tipo de luminaria	Recessed Mount Type嵌入筒燈Empotrada Tipo Mount
Dimension-尺寸-Dimensión Cut off Dimension-開孔尺寸-Cortar Dimensión	<ul style="list-style-type: none"> <li>• Dia: 78 x H: 51 and Cut off Dia 65 mm</li> <li>• Dia: 92 x H: 35 and Cut off Dia 80 mm</li> <li>• Dia: 110 x H: 37 and Cut off Dia 95mm</li> <li>• Dia: 110 x H: 43 and Cut off Dia 90 mm</li> <li>• Dia: 162 x H: 64 and Cut off Dia 145 mm</li> <li>• Dia: 230 x H: 88 and Cut off Dia 200 mm</li> </ul>
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"> <li>• 3W SMD LED @Dia: 78 x H: 51 mm</li> <li>• 5W SMD LED @Dia: 78 x H: 51 mm</li> <li>• 8W SMD LED @Dia: 78 x H: 51 mm</li> <li>• 7W SMD LED @Dia: 78 x H: 51 mm @ Dia: 85 x H: 35 mm</li> <li>• 9W SMD LED @Dia: 78 x H: 51 mm @ Dia: 85 x H: 35 mm</li> <li>• 8W SMD LED @Dia: 92 x H: 35 mm</li> <li>• 11W SMD LED @Dia: 92 x H: 35 mm</li> <li>• 9W SMD LED @Dia: 110 x H: 28 mm @Dia: 110 x H: 37mm @Dia: 110 x H: 43 mm</li> <li>• 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</li> <li>• 15W SMD LED @Dia: 140 x H: 54mm @ Dia: 162 x H: 64mm @Dia:193 x H: 76mm</li> <li>• 18W SMD LED @ Dia: 162 x H: 64mm @Dia:193 x H: 76mm @ Dia: 230 x H: 88mm</li> <li>• 23W SMD LED @Dia:193 x H: 76mm @ Dia: 230 x H: 88mm</li> <li>• 29W SMD LED @ Dia: 230 x H: 88mm @ Dia: 282 x H: 76mm</li> <li>• 35W SMD LED @ Dia: 282 x H: 76mm</li> <li>• 9W COB LED @Dia: 103 x H: 68mm @Dia: 110 x H: 43 mm</li> <li>• 12W COB LED @Dia: 103 x H: 68mm @Dia: 110 x H: 43 mm @ Dia: 140 x H: 54mm</li> <li>• 15W COB LED @ Dia: 140 x H: 54mm @Dia:193 x H: 76mm</li> <li>• 23W COB LED @ Dia: 162 x H: 64mm @Dia:193 x H: 76mm</li> <li>• 29W COB LED @ Dia: 162 x H: 64mm @Dia:193 x H: 76mm</li> <li>• 33W COB LED @Dia:193 x H: 76mm @Dia: 282 x H: 76mm</li> <li>• 35W COB LED @Dia: 282 x H: 76mm</li> </ul>
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 or Tunable White controlled by DALI Dimming Only 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 @ < 12 charger 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	<ul style="list-style-type: none"> <li>• 40° 60° 90°</li> <li>• 90° Tunable White LED Down Light</li> </ul>
Light Source Brand-光源品牌-Fuente de luz de marca	<ul style="list-style-type: none"> <li>• TAIWAN Everlight SMD LED or CREE COB LED</li> <li>• TAIWAN Everlight SMD LED for Tunable White LED Down Light</li> </ul>
"Lumen Maintenance LM-80 Reported by TM-21" @ 25°C	<ul style="list-style-type: none"> <li>• L90(10k) = 50,700 hrs L80(10k) &gt; 63,500 hrs L70(10k) &gt; 63,500 hrs</li> </ul>
LED Life-LED壽命-La vida del LED	>60,000 hours
Color Temperature -色溫 Temperatura del color	<ul style="list-style-type: none"> <li>• 2700K / 3000K / 4000K / 5000K / 6000K/ 6500K</li> <li>• TW: Tunable White (2700K-6500K)</li> </ul>
Color Rendering Index-顯色指數 Índice de reproducción cromática	<ul style="list-style-type: none"> <li>• &gt;80</li> <li>• &gt;90</li> </ul>
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"> <li>• 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) 110Lm/w(TW)</li> <li>• 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)</li> </ul>
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), 150Lm/w(TW)
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 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 ; IEC/EN 60598-2-2 ; IEC/ EN62493 ; IEC/EN 62301 ; IEC TR 62778 & IEC 62471 ;ROHS LED Driver: IEN 55015 / IEC 61000-3-2 / IEC 61347-1 / IEC 61347-2-13 / IEC 61547
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: [DRINO-15W](#)

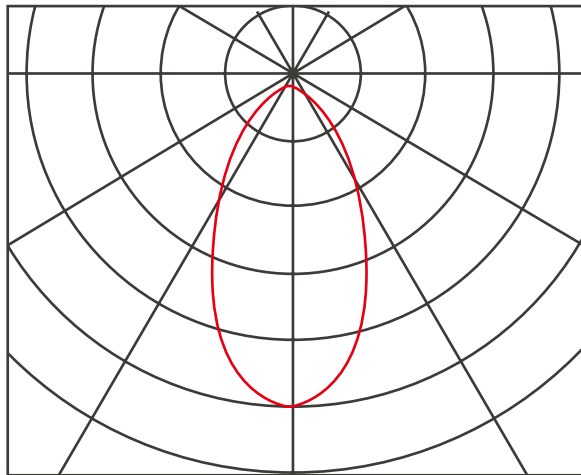
DRINO - -

[Power Consumption](#)

Power Consumption	
Code	Description
<a href="#">3W</a>	3W SMD LED @Dia: 78 x H: 51 mm
<a href="#">5W</a>	5W SMD LED @Dia: 78 x H: 51 mm
<a href="#">8W</a>	8W SMD LED @Dia: 78 x H: 51 mm
<a href="#">7W</a>	7W SMD LED @Dia: 78 x H: 51 mm @ Dia: 85 x H: 35 mm
<a href="#">9W</a>	9W SMD LED @Dia: 78 x H: 51 mm @ Dia: 85 x H: 35 mm
<a href="#">8W</a>	8W SMD LED @Dia: 92 x H: 35 mm
<a href="#">11W</a>	11W SMD LED @Dia: 92 x H: 35 mm
<a href="#">9W</a>	9W SMD LED @Dia: 110 x H: 28 mm @Dia: 110 x H: 37mm @Dia: 110 x H: 43 mm
<a href="#">12W</a>	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
<a href="#">15W</a>	15W SMD LED @Dia: 140 x H: 54mm @ Dia: 162 x H: 64mm @Dia:193 x H: 76mm
<a href="#">18W</a>	18W SMD LED @ Dia: 162 x H: 64mm @Dia:193 x H: 76mm @ Dia: 230 x H: 88mm
<a href="#">23W</a>	23W SMD LED @Dia:193 x H: 76mm @ Dia: 230 x H: 88mm
<a href="#">29W</a>	29W SMD LED @ Dia: 230 x H: 88mm @ Dia: 282 x H: 76mm
<a href="#">35W</a>	35W SMD LED @ Dia: 282 x H: 76m
<a href="#">9W</a>	9W COB LED @Dia: 103 x H: 68mm @Dia: 110 x H: 43 mm
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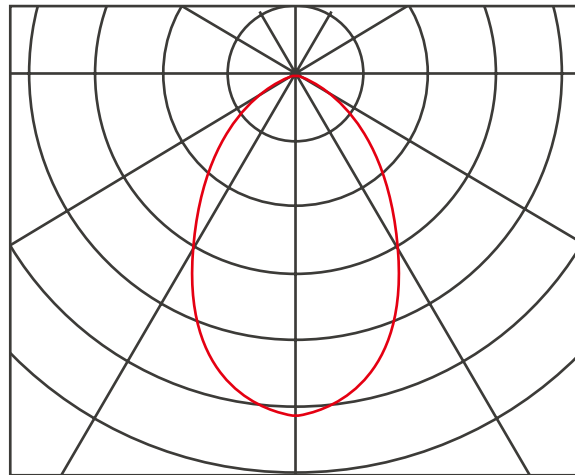
# BEAM ANGLE

40°



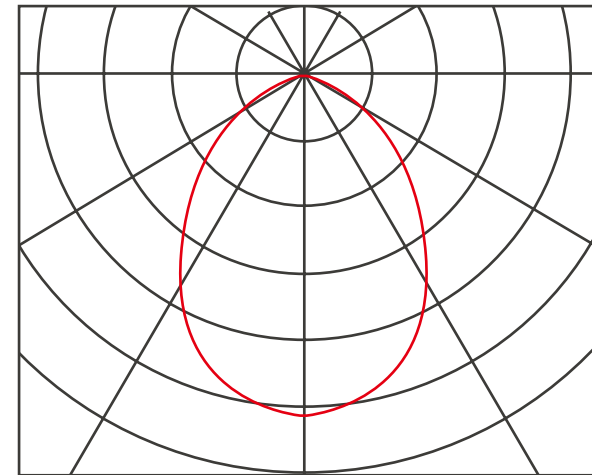
COB LED

60°



COB LED

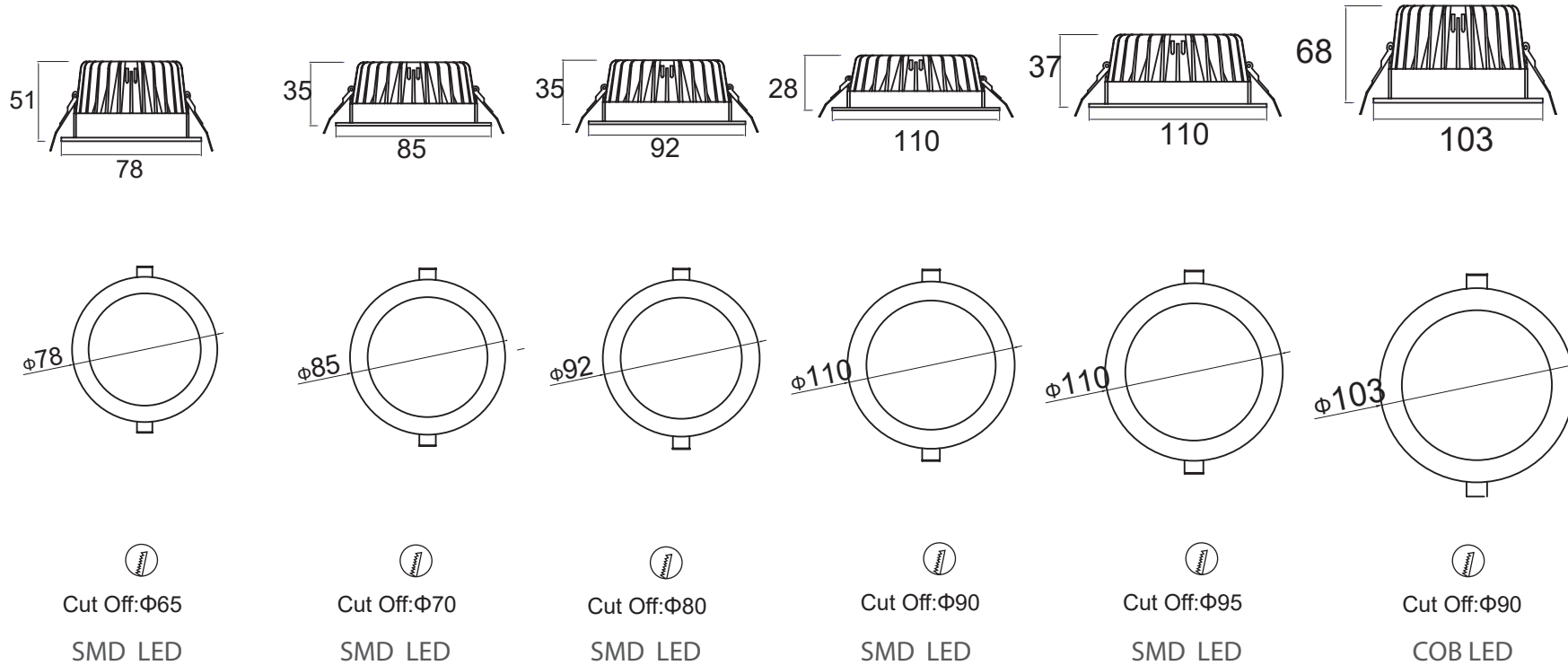
90°



SMD LED

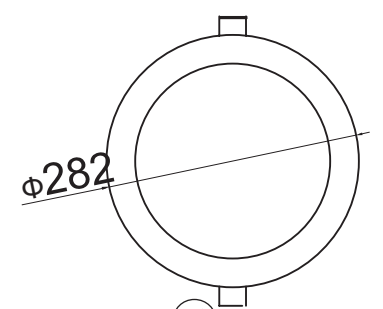
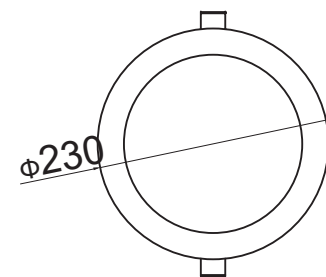
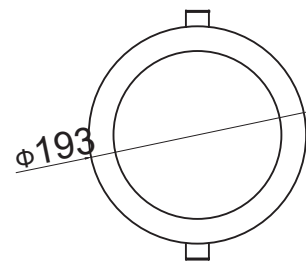
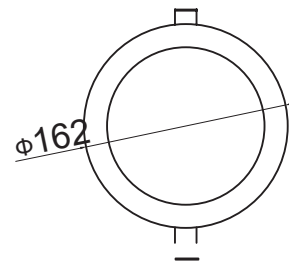
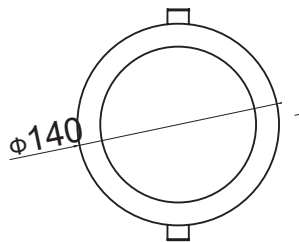
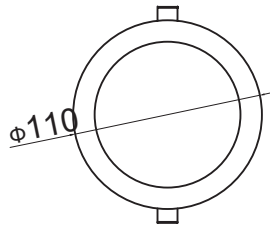
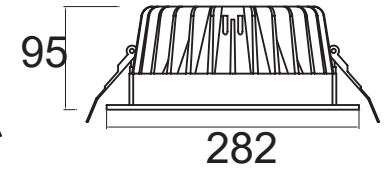
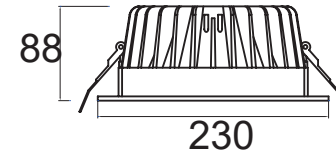
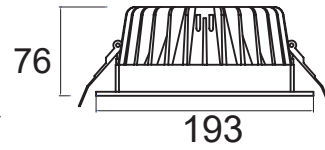
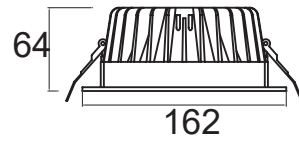
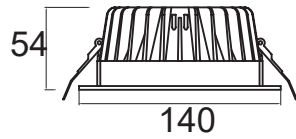
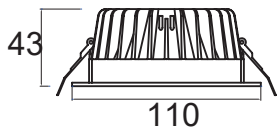
Milky Polycarbonate Diffuser  
Tunable White

# Technical Drawing



Unit: mm

# Technical Drawing



  
Cut Off:  $\Phi 90$

  
Cut Off:  $\Phi 125$

  
Cut Off:  $\Phi 145$

  
Cut Off:  $\Phi 165$

  
Cut Off:  $\Phi 200$

  
Cut Off:  $\Phi 260$

SMD & COB LED

SMD & COB LED

SMD & COB LED

SMD & COB LED

SMD & COB LED

SMD LED

Unit: mm