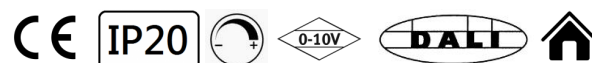


## DONCO W

20W Max IP20



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>90, 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                                                         | <ul style="list-style-type: none"> <li>• Dia 75 x H: 85 mm</li> <li>• Dia 100 x H: 110 mm</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                          |
| QTY of LEDs-燈珠數量-CANT de LEDs                                                  | 1 pcs CREE LED Array                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Power Consumption Max-燈具功率<br>Consumo de energía Max                           | <ul style="list-style-type: none"> <li>• 9W@ Dia 75mm</li> <li>• 12W@ Dia 75mm</li> <li>• 15W@ Dia 75mm</li> <li>• 16W@ Dia 100mm</li> <li>• 20W@ Dia 100mm</li> </ul>                                                                                                                                                                                                                                                                                                                                                        |
| Input Voltage-輸入電壓-Voltaje de entrada                                          | AC220-240V 50/60HZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| LED Driver Type<br>LED驅動款式<br>Tipo de controlador LED                          | Integrated-type LED Driver--Refer to LED driver specification<br>請參閱LED驅動器規格<br>Consulte la especificación de controlador de LED<br>1. ON/OFF Switch AC220-240V 50/60HZ<br>2. ELV Dimming Driver (5-100%) AC 100-120V 50/60Hz or AC 200-240V 50/60HZ<br>3. 0-10V Dimming Driver AC100-240V 50/60HZ<br>4. Dali Dimming Driver AC100-240V 50/60HZ<br>5. DMX Driver AC100-240V 50/60HZ<br>6. RDM Driver AC100-240V 50/60HZ<br>7. Emergency Backup >2 hours or >3 hours @ < 24 charger hours應急電池/Copia de seguridad de emergencia |
| LED Driver Features<br>驅動特性<br>Funciones del controlador de LED                | POWER FACTOR : PF>0.90 @ Full Load<br>TOTAL HARMONIC DISTORTION: THD< 20%<br>EFFICIENCY (Typ.): >85%<br>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<br>Protocolo de Control                                  | 0-10V / Dali / DMX 512 / RDM / ZIGBEE Wireless Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Beam Angle光束角ángulo de haz                                                     | 15° 24° 36° 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<br>2. L80(10k) > 63,500 hrs<br>3. L70(10k) > 63,500 hrs                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| LED Life-LED壽命-La vida del LED                                                 | >60,000 hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Color Temperature -色溫<br>Temperatura del color                                 | 2700K / 3000K / 4000K / 5000K / 6500K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Color Rendering Index-顯色指數<br>Índice de reproducción cromática                 | <ul style="list-style-type: none"> <li>• &gt; 80</li> <li>• &gt; 90</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| MacAdam Ellipses Binning<br>麥克亞當橢圓分級<br>Mac Adam binning elipse                | Standard Deviation Colour Matching < 3 SDCM<br>標準偏差配色< 3 SDCM<br>Coincidencia de color estándar Desviación < 3 SDCM                                                                                                                                                                                                                                                                                                                                                                                                           |
| Luminaire Efficacy 燈具效率<br>La eficacia de la luminaria                         | 85 Lm/w(2700K), 85 Lm/w((3000K), 90 Lm/w((4000K),<br>100 Lm/w((5000K), 100 Lm/w((6500K),                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| LED Source Luminous Efficacy LED光源光效<br>Fuente luminosa LED Eficacia           | 125 Lm/w(2700K), 125 Lm/w((3000K), 130 Lm/w((4000K),<br>140 Lm/w((5000K), 140 Lm/w((6500K),                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Housing materials-外殼材料<br>Materiales de la carcasa                             | Die-cast aluminum and acrylic<br>壓鑄鋁和亞克力<br>Fundición de aluminio y acrílico                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Housing Color<br>外殼顏色<br>color de la carcasa                                   | Powder Coating :Matte white body and Matte Black body<br>粉末塗料：啞光白和啞光黑<br>Recubrimiento en polvo: cuerpo blanco mate y cuerpo negro mate                                                                                                                                                                                                                                                                                                                                                                                       |
| Ingress Protection-防護等級<br>Protección de ingreso                               | IP20 - (IEC 60529)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Environment-使用環境-medio ambiente                                                | Indoor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Operating Humidity -工作濕度<br>Humedad de funcionamiento                          | 0~90%, non-condensing-不結霜<br>sin condensación                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Operating Temperature Range / 工作溫度範圍<br>Rango de temperatura de funcionamiento | -30 °C / +50 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Comply Testing Standard<br>符合測試標準<br>Cumplir el estándar de prueba             | LED Luminaires: IEC 60598-1 / IEC 60598-2-1/ Photometric data-IES format<br>LED Driver: EN 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.

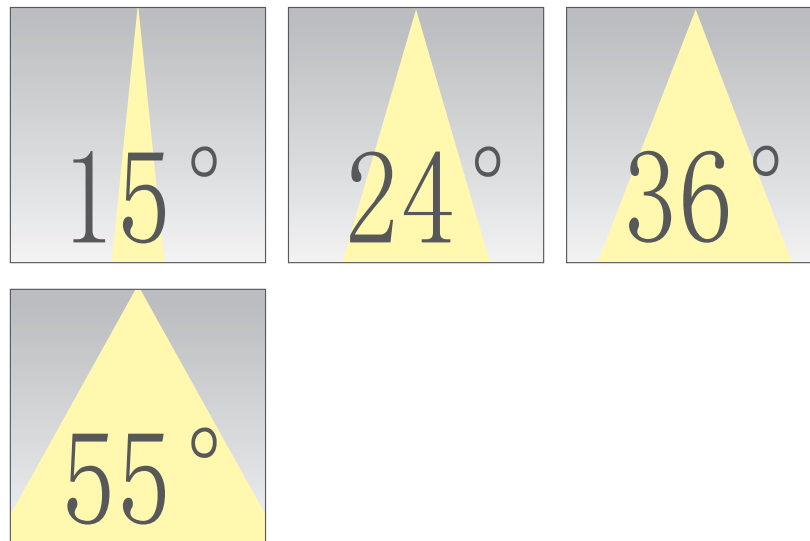
Example product code: [DONCO-W-15W](#)

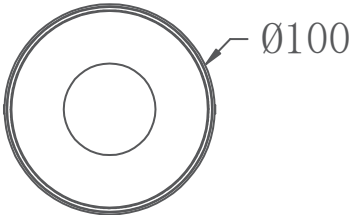
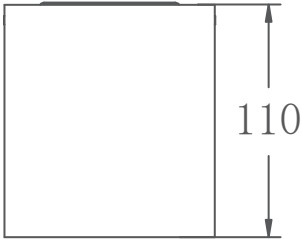
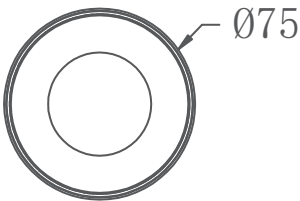
DONCO-W - -  
Power Consumption

| Power Consumption   |               |
|---------------------|---------------|
| Code                | Description   |
| <a href="#">9W</a>  | 9W@Dia 75mm   |
| <a href="#">12W</a> | 12W@Dia 75mm  |
| <a href="#">15W</a> | 15W@Dia 75mm  |
| <a href="#">16W</a> | 16W@Dia 100mm |
| <a href="#">20W</a> | 20W@Dia 100mm |

# BEAM ANGLE

**DIMON**  
TECHNOLOGY





Unit: mm