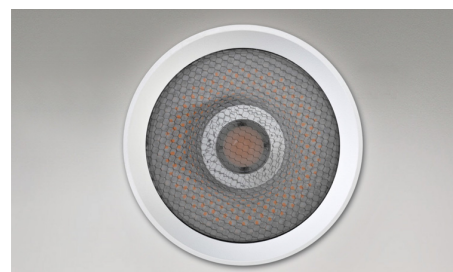
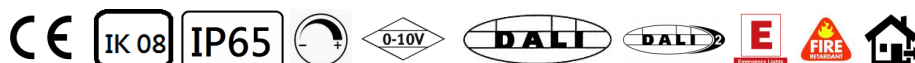


## DENA

D125xH120mm 15W-20W IP65



### LED OUTDOOR SURFACE MOUNTED 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
- 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 1-10V, DALI, LED constant current control gear.

Open configuration options

## 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                                           | AC220-240V 50/60HZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Power Consumption Max-燈具功率<br>Consumo de energía Max                            | • 10W    12W    15W    20W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| LED Driver Type<br>LED驅動款式<br>Tipo de controlador LED                           | Integated-type LED Driver--Refer to LED driver specification 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. 1-10V Dimming Driver AC220-240V 50/60HZ<br>3. Dali Dimming 1-100% Driver AC220-240V 50/60HZ<br>4. Remoted Emergency Backup >2 hours or >3 hours @ <12 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 or PF >0.95 TOTAL HARMONIC DISTORTION: THD< 20%<br>Life: >50,000 hours<br>Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Control Protocol-控制協議<br>Protocolo de Control                                   | 1-10V / Dali                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| "Lumen Maintenance LM-80 Reported by TM-21" @ 25 °C                             | L70(10k) > 63,500 hrs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| LED Module Life-LED壽命-La vida del LED                                           | Ambient temperature ta = 25 °C >200,000 (L80B50)<br>Ambient temperature ta = 50 °C >160,000 (L80B50)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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                  | • > 80<br>• > 90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| MacAdam Ellipses Binning<br>麥克亞當橢圓分級<br>Mac Adam binning ellipse                | 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                           | • 90 Lm/w(2700K),    90Lm/w(3000K),    100Lm/w(4000K),<br>• 110 Lm/w(5000K),    110 Lm/w(6500K),                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| LED Source Luminous EfficacyLED光源光效<br>Fuente luminosa LED Eficacia             | • 120 Lm/w(2700K),    120Lm/w(3000K),    130Lm/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 & Polycarbonate reflector & Tempered glass lampshade<br>壓鑄鋁和PC反光杯和鋼化玻璃燈罩<br>Reflector de policarbonato y aluminio fundido a presión y pantalla de vidrio templado                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Housing Color<br>外殼顏色<br>color de la carcasa                                    | Powder Coating : Matte White RAL 9003 or Matte Black RAL9005 or Grey RAL9006<br>粉末塗料: 啞光白色燈身 RAL9003 或黑色燈身RAL9005 或 灰色RAL9006<br>Revestimiento en polvo: blanco mate RAL 9003 o negro mate RAL 9005 o gris 9006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Operating Temperature Range / 工作溫度範圍<br>Rango de temperatura de funcion amiento | -30 °C / +50 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Operating Humidity -工作濕度<br>Humedad de funcionamiento                           | 0~90%, non-condensing-不結霜<br>sin condensación                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Ingress Protection-防護等級<br>Protección de ingreso                                | IP65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Mech impact protection 機械衝擊保護<br>Protección contra impactos mecánicos           | IK08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Operating Temperature Range / 工作溫度範圍<br>Rango de temperatura de funcion amiento | -30 °C / +50 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Operating Humidity -工作濕度<br>Humedad de funcionamiento                           | 0~90%, non-condensing-不結霜<br>sin condensación                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Comply Testing Standard<br>符合測試標準<br>Cumplir el estándar de prueba              | LED Luminaires:LVD: EN 60598-1 / EN 60598-2-1/ IEC 62031 / EN 62471 IEC 60529 / IEC 62262 / RoHS<br>LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2;<br>IEC/EN 61000-3-3;IEC/EN61574;EN 55015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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: [DENA-15W](#)

DENA-X - -

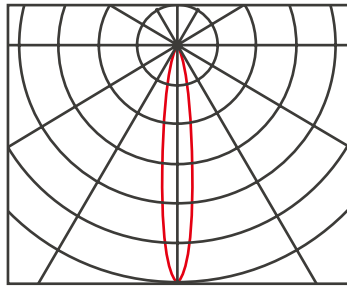
[Power Consumption](#)

| Power Consumption   |             |
|---------------------|-------------|
| Code                | Description |
| <a href="#">10W</a> | 10W         |
| <a href="#">12W</a> | 12W         |
| <a href="#">15W</a> | 15W         |
| <a href="#">20W</a> | 20W         |

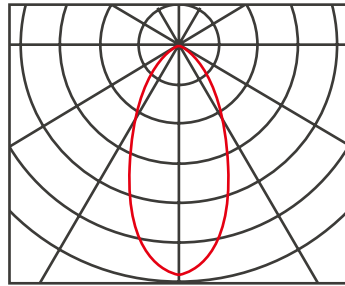
## BEAM ANGLE

**DIMON**  
TECHNOLOGY

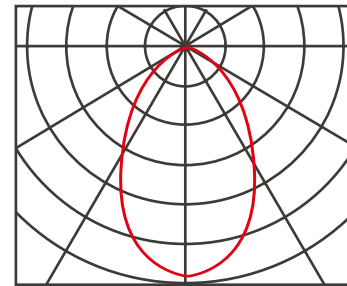
15°



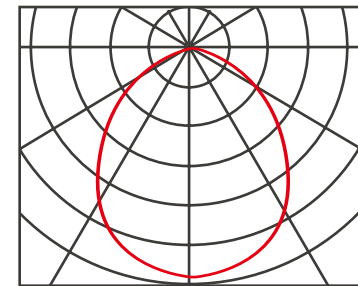
24°

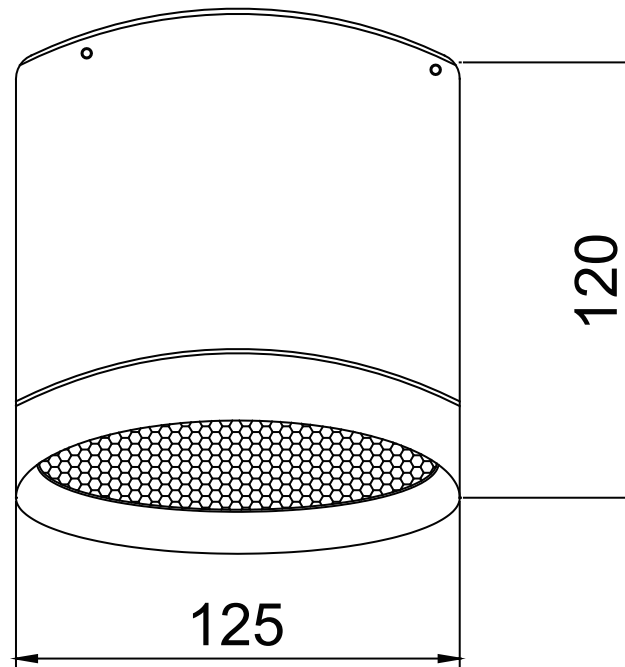


38°



90°





Unit: mm