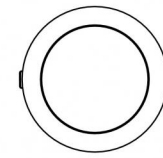
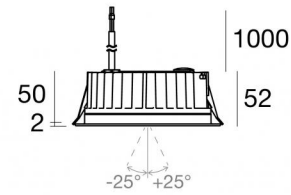




Downlights | 1 arrayLED 13 W DC 24 V | CRI 80  
82455M60



Ø138

| Datos técnicos  |                          |
|---|--------------------------|
| Posición de instalación                                   | Techo                    |
| Ambiente de instalación                                   | Exteriores               |
| Fuente de luz   | LED                      |
| Circuit structure   | arrayLED                 |
| Óptica  | Medium Wide Flood        |
| Light emission direction                                  | downward                 |
| Potencia nominal  | 13 W DC                  |
| Flujo luminoso (fuente)                                   | 1876 lm                  |
| Rango de voltaje de entrada                               | 24 V                     |
| CCT / Tone  | 2700 K                   |
| Índice de rendimientos cromático                          | 80 Ra                    |
| C.C. / C.V.   | CV                       |
| Clase de aislamiento                                      | 3                        |
| IP  | IP67                     |
| IK  | IK10                     |
| Test del hilo incandescente                               | 850°                     |
| Montaje directo sobre superficies normalmente inflamables | Sí                       |
| CE  | Sí                       |
| Driver incluido.  | No                       |
| C.V. - C.C. Converter                                     | Convertidor 24V incluido |
| Artículo regulable  | DALI - 1-10V             |
| Orientabilidad  | No                       |
| Basculación   | Sí                       |
| ángulo total (plano vertical)                             | 50 °                     |
| Practicabilidad   | No                       |
| Transitabilidad   | No                       |
| Cable incluido.   | Sí                       |
| Largo del cable   | 1 m                      |
| Resinado  | Sí                       |
| Tipología de emisión luminosa                             | Una emisión              |
| Peso neto   | 0.9 Kg                   |
| Protección descargas electrostáticas                      | No                       |
| Protección contra sobretensiones                          | No                       |
| Tecnología óptica   | Honey comb               |
| Características tecnológicas del producto                 | Acquastop                |

#### Acabado cuerpo

|             |   |
|-------------|---|
| Material    | Aluminio fundido EN AB - 46100                |
| Color       | negro   |
| Elaboración | Anodizado de poro abierto + pintado con polvo |

#### Acabado difusor

|             |                               |
|-------------|-------------------------------|
| Material    | Vidrio extra claro - templado |
| Color       | transparente                  |
| Elaboración | Serigrafía                    |

#### Acabado brida

|             |                 |
|-------------|-----------------|
| Material    | Acero AISI 316L |
| Color       | acero           |
| Elaboración | Cepillado       |

#### Electrónica



89488  
On/Off Driver 190~250V AC / 180~275V DC 15 W (1 art.)



89179  
On/Off Driver 198~264V AC 24 W (1 art.)



89359  
On/Off Driver 198~264V AC / 180~275V DC 48 W (1 - 3 art.)



99331  
On/Off Driver 198~264V AC / 176~275V DC 150 W (1 art.)



99660  
DALI - 1-10V Controller 24V DC 216 W (1 art.)



C-E500023  
DALI - 1-10V - Push and Simply Dim Controller 8~53V DC 576 W (1 art.)

#### Cables Electrification

|                 |    |
|-----------------|----|
| Cable connector | No |
|-----------------|----|



## Downlights | 1 arrayLED 13 W DC 24 V | CRI 80 82455M60

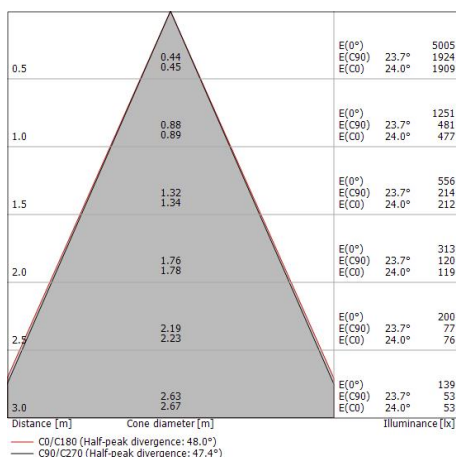
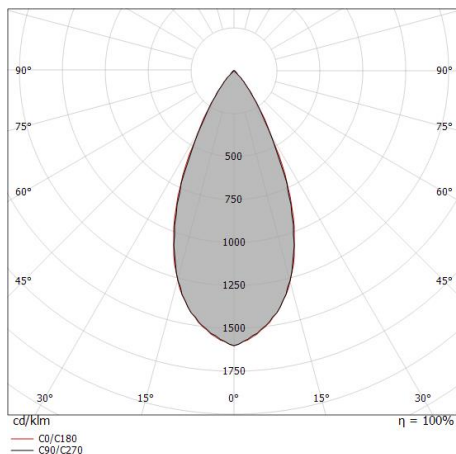
Single emission recessed downlights for outdoor application. The super warm white LED light source with a medium wide flood light distribution is composed of 1 arrayed LEDs with CCT of 2700 K and a CRI 80; the source luminous flux is 1876 lm, with a 144.3 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a black finish, processed by means of open pore anodizing + powder coating; the diffuser is made of extra clear glass - tempered with a silk-screening treatment. The ingress protection degree is IP67; the total weight is of 0.9 kg.

The total absorbed power is 13 W. The power supply cable is included and features a 1 m length.

The device features protection class III and can be ceiling-mounted, with a 127 mm diameter hole (in plasterboard) with an outer casing, code 99749(for concrete or masonry).

Compliant with the EN 60598-1 standard and its specific provisions.



### Clase de eficiencia energética

Este producto contiene una fuente de luz de clase de eficiencia energética E.

### Características Luminotécnicas

|  |                |
|--|----------------|
| Light Output Ratio (LOR)               | 41 %           |
| Flujo luminoso (fuente)                | 1876 lm        |
| Flujo luminoso de luminaria            | 781 lm         |
| Consumption                            | 13 W           |
| Rendimiento luminoso de las luminarias | 60 lm/W        |
| Temperatura de color                   | 2700 K         |
| Standard Deviation of Colour Matching  | 2 Step MacAdam |
| Índice de rendimientos cromático       | 80 Ra          |

Temperatura estándar del ambiente de servicio -20 / +50°C

Temperatura típica sobre el vidrio 40°C

### LED Life / Failure Ratio

L70 B10 C0 296960h (at Tj 65 Ta 25 )

### UGR

|                   |          |
|-------------------|----------|
| UGR axial         | 14.1     |
| UGR transversal   | 14       |
| X=4H   Y=8H       | S=0.25H  |
| Reflection factor | 70/50/20 |

### OPTICAL

|                             |             |
|-----------------------------|-------------|
| Óptica C0/C180              | 47°         |
| Light distribution simmetry | Symmetrical |



Orma\_CJ | Downlights | Accessories  
**82455M60**



Caja de empotrar - (completar con grill universal 99750)  
posición de instalación: techo; tipo instalación: albañilería L=290mm, H=125mm,  
D=190mm

**Code**  
99749



Accesorios para cajas de empotrar - Rejilla universal para Caja exterior 99749

**Code**  
99750