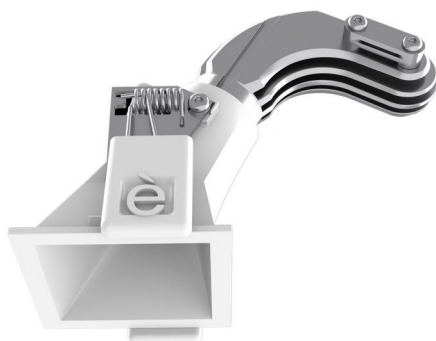




Downlights | 1 x powerLED 4 W DC 350 mA | CRI 90  
90842W60



46

| Datos técnicos  |                     |
|---|---------------------|
| Posición de instalación                                   | Techo               |
| Ambiente de instalación                                   | Interiores          |
| Fuente de luz   | LED                 |
| Circuit structure   | powerLED            |
| Óptica  | Medium Wide Flood   |
| Light emission direction                                  | downward            |
| Potencia nominal  | 4 W DC              |
| Flujo luminoso (fuente)                                   | 416 lm              |
| Rango de voltaje de entrada                               | 350mA               |
| CCT / Tone  | 3000 K              |
| Índice de rendimientos cromático                          | 90 Ra               |
| C.C. / C.V.   | CC                  |
| Clase de aislamiento                                      | 3                   |
| IP  | IP44                |
| IP vano óptico  | IP65                |
| Test del hilo incandescente                               | 850°                |
| Montaje directo sobre superficies normalmente inflamables | Sí                  |
| CE  | Sí                  |
| Driver incluido.  | No                  |
| Artículo regulable  | DALI - 1-10V        |
| Orientabilidad  | No                  |
| Basculación   | No                  |
| Practicabilidad   | No                  |
| Transitabilidad   | No                  |
| Cable incluido.   | Sí                  |
| Largo del cable   | 0.170 m             |
| Resinado  | No                  |
| Tipología de emisión luminosa                             | Una emisión         |
| Peso neto   | 0.078 Kg            |
| Protección descargas electrostáticas                      | No                  |
| Protección contra sobretensiones                          | No                  |
| Tecnología óptica   | F.O.L. - Honey comb |
| Características tecnológicas del producto                 | TVS                 |

### Acabado cuerpo

|             |                                |
|-------------|--------------------------------|
| Material    | Aluminio fundido EN AB - 46100 |
| Color       | Blanco                         |
| Elaboración | Recubrimiento en polvo         |


### Acabado difusor

|          |   |
|----------|---|
| Material | Policarbonato resistente a los rayos UV |
| Color    | transparente                            |


### Acabado radiador

|             |                                |
|-------------|--------------------------------|
| Material    | Aluminio fundido EN AB - 46100 |
| Color       | aluminio                       |
| Elaboración | Pulido                         |

### Electrónica

 89145  
On/Off Driver 198~264V AC / 180~275V DC (1 art.)

 99375  
On/Off Driver 198~264V AC (2 - 3 art.)

 C-E100010  
1-10V - 0-10V Controller (1 art.)

 C-E100011  
Push and Simply Dim - DALI-2 Controller (1 art.)

### Cables Electrificación

Cable connector No

Downlights | 1 x powerLED 4 W DC 350 mA | CRI 90  
**90842W60**

Single emission recessed downlights for indoor application. The warm white LED light source with a medium wide flood light distribution is composed of 1 powerLED LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 416 lm, with a 104.0 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a white finish, processed by means of powder coating; the diffuser is made of uv resistant polycarbonate. The ingress protection degree is IP44; the total weight is of 0.078 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 4 W. The power supply cable is included and features a 0.170 m length.

The device features protection class III and can be ceiling-mounted, with a 46 x 46 mm hole (in plasterboard).

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 F.

### Características Luminotécnicas

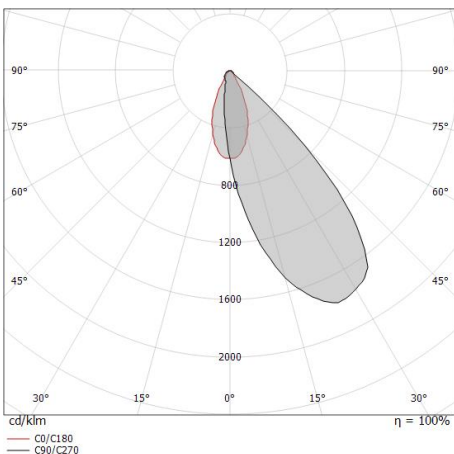
|   |                |
|---|----------------|
| Light Output Ratio (LOR)                      | 39 %           |
| Flujo luminoso (fuente)                       | 416 lm         |
| Flujo luminoso de luminaria                   | 164 lm         |
| Consumption                                   | 4 W            |
| Rendimiento luminoso de las luminarias        | 41 lm/W        |
| Temperatura de color                          | 3000 K         |
| Standard Deviation of Colour Matching         | 3 Step MacAdam |
| Índice de rendimientos cromático              | 90 Ra          |
| Black Body Locus                              | On             |
| Temperatura estándar del ambiente de servicio | -20 / +50°C    |
| Temperatura típica sobre el vidrio            | 40°C           |

### LED Life / Failure Ratio

L70 B10 C0 247450h (at Tj 60 Ta 25 )

### OPTICAL

|                             |              |
|-----------------------------|--------------|
| Óptica C0/C180              | 46°          |
| Light distribution symmetry | Asymmetrical |



| Distance [m] | Cone diameter [m] | Beam diameter [m] | E(0°)<br>E(C0) | Angle [°] | Footcandle [lx] |
|--------------|-------------------|-------------------|----------------|-----------|-----------------|
| 0.5          | 0.42              | 0.42              | E(0°)<br>E(C0) | 22.8°     | 402<br>158      |
| 1.0          | 0.84              | 0.84              | E(0°)<br>E(C0) | 22.8°     | 101<br>39       |
| 1.5          | 1.26              | 1.26              | E(0°)<br>E(C0) | 22.8°     | 45<br>18        |
| 2.0          | 1.68              | 1.68              | E(0°)<br>E(C0) | 22.8°     | 25<br>10        |
| 2.5          | 2.10              | 2.10              | E(0°)<br>E(C0) | 22.8°     | 16<br>6         |
| 3.0          | 2.52              | 2.52              | E(0°)<br>E(C0) | 22.8°     | 11<br>4         |

Distance [m] Cone diameter [m] Illuminance [lx]  
 — C0/C180 (Half-peak divergence: 45.6°)

