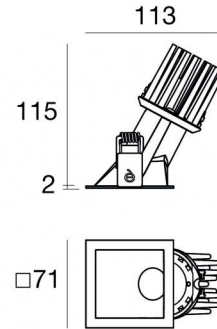




Downlights | 1 x powerLED 10 W DC 800 mA | CRI 92  
**90858N15**



| Technical data                                 |                        |
|--|------------------------|
| Type   | Encasement with flange |
| Installation position                          | Ceiling                |
| Installation environment                       | Indoor                 |
| Light Source                                   | LED                    |
| Circuit structure                              | powerLED               |
| Optics   | Spot                   |
| Light emission direction                       | downward               |
| Nominal power                                  | 10 W DC                |
| Source lumens                                  | 1108 lm                |
| Input voltage range                            | 800mA                  |
| CCT / Tone                                     | 4000 K                 |
| Colour rendering index                         | 92 Ra                  |
| C.C. / C.V.                                    | CC                     |
| Safety class                                   | 3                      |
| IP   | IP44                   |
| Optical compartment IP                         | IP65                   |
| Glow wire test                                 | 850°                   |
| Direct mounting on normally flammable surfaces | Yes                    |
| CE   | Yes                    |
| Driver included                                | No                     |
| Dimmable article                               | DALI - 1-10V           |
| Directional                                    | No                     |
| Tilting  | No                     |
| Walk-over                                      | No                     |
| Drive-over                                     | No                     |
| Cable included                                 | No                     |
| Resin potting                                  | No                     |
| Type of light emission                         | Single emission        |
| Net weight                                     | 0.250 Kg               |
| Electrostatic discharge protection             | No                     |
| Surge protection                               | No                     |
| Optics technology                              | F.O.L. - Honey comb    |
| Product technological characteristics          | TVS                    |

### Finishing casing

|            |                                  |
|------------|----------------------------------|
| Material   | Die-cast Aluminium EN AB - 46100 |
| Colour     | White                            |
| Processing | Powder coating                   |

### Finishing diffuser

|          |                            |
|----------|----------------------------|
| Material | UV Resistant Polycarbonate |
| Colour   | transparent                |

### Finishing radiator

|            |                                  |
|------------|----------------------------------|
| Material   | Die-cast Aluminium EN AB - 46100 |
| Processing | Tumbling                         |

### Electronics

|   |  |
|---|--|
|  | 99135<br>On/Off Driver 198~264V AC (2 - 3 art.)  |
|  | 99345<br>DALI - Push and Simply Dim Multi Power 198~264V AC / 176~275V DC (1 - 3 art.) |
|  | 99735<br>Multi Power 198~264V AC / 180~275V DC (1 art.)                                |
|  | 99733<br>1-10V Multi Power 198~264V AC / 180~275V DC (1 art.)                          |
|  | C-E100013<br>Push and Simply Dim - DALI-2 Controller (1 art.)                          |



Downlights | 1 x powerLED 10 W DC 800 mA | CRI 92 | Base  
**90858N15**

Single emission recessed downlights for indoor application. The natural white LED light source with a spot light distribution is composed of 1 powered LEDs with CCT of 4000 K and a CRI 92; the source luminous flux is 1108 lm, with a 110.8 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 0.250 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 10 W.

The device features protection class III and can be ceiling-mounted, with a 64 x 64 mm hole (in plasterboard).

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

### Energy efficiency class

This product contains a light source of energy efficiency class E.

### Illuminotechnical Features

|                                       |                |
|---------------------------------------|----------------|
| Light Output Ratio (LOR)              | 42 %           |
| Source lumens                         | 1108 lm        |
| Delivered lumens                      | 470 lm         |
| Consumption                           | 10 W           |
| Luminaire efficacy                    | 47 lm/W        |
| Colour temperature                    | 4000 K         |
| Standard Deviation of Colour Matching | 2 Step MacAdam |
| Colour rendering index                | 92 Ra          |
| Black Body Locus                      | On             |

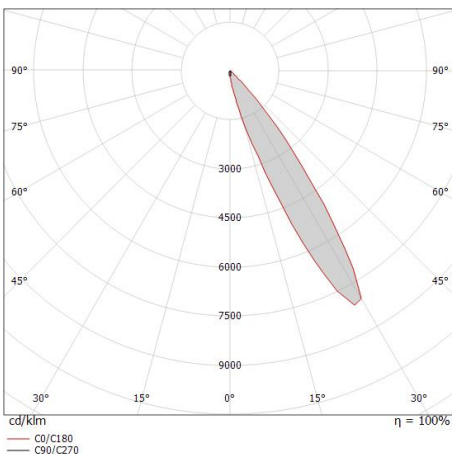
|  |             |
|--|-------------|
| Standard Operating Ambient Temperature | -20 / +50°C |
| Ordinary temperature on the glass      | 40°C        |

### LED Life / Failure Ratio

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

### OPTICAL

|                             |              |
|-----------------------------|--------------|
| C90/C270 optics             | 46°          |
| Light distribution symmetry | Asymmetrical |



| Distance [m] | Cone diameter [m] | Illuminance [lx] |
|--------------|-------------------|------------------|
| 0.5          | 0.73              | 286<br>26        |
| 1.0          | 1.47              | 72<br>6          |
| 1.5          | 2.20              | 32<br>3          |
| 2.0          | 2.94              | 18<br>2          |
| 2.5          | 3.67              | 11<br>1          |
| 3.0          | 4.41              | 8<br>1           |

Distance [m] Cone diameter [m] Illuminance [lx]  
— C90/C270 (Half-peak divergence: 72.6°)

