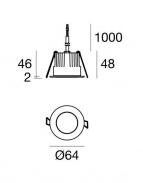


| Technical data                                 |                        |
|--|------------------------|
| Туре   | Encasement with flange |
| Installation position                          | Ceiling                |
| Installation environment                       | Outdoor                |
| Light Source                                   | LED                    |
| Circuit structure                              | powerLED               |
| Optics   | Elliptic Spot          |
| Light emission direction                       | downward               |
| Nominal power                                  | 5 W DC                 |
| Source lumens                                  | 490 lm                 |
| Input voltage range                            | 24 V                   |
| CCT / Tone                                     | 2700 K                 |
| Colour rendering index                         | 80 Ra                  |
| C.C. / C.V.                                    | CV                     |
| Safety class                                   | 3                      |
| IP   | IP67                   |
| IK   | IK10                   |
| Glow wire test                                 | 850°                   |
| Direct mounting on normally flammable surfaces | Yes                    |
| CE   | Yes                    |
| Driver included                                | No                     |
| C.V C.C. Converter                             | Converter 24V included |
| Dimmable article                               | DALI - 1-10V           |
| Directional                                    | No                     |
| Tilting  | No                     |
| Walk-over                                      | No                     |
| Drive-over                                     | No                     |
| Cable included                                 | Yes                    |
| Cable length                                   | 1 m                    |
| Resin potting                                  | Yes                    |
| Type of light emission                         | Single emission        |
| Net weight                                     | 0.2 Kg                 |
| Electrostatic discharge protection             | No                     |
| Surge protection                               | No                     |
| Product technological characteristics          | Acquastop - TVS        |

### 



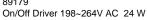
| Finishing casing  |                                      |
|-------------------|--------------------------------------|
| Material          | Die-cast Aluminium EN AB - 46100     |
| Colour            | black                                |
| Processing        | Open pore anodizing + Powder Coating |
|                   |                                      |
| Finishing diffuse | r                                    |
| Material          | Extra clear glass - Tempered         |
| Colour            | transparent                          |
|                   |                                      |
| Finishing flange  |                                      |
| Material          | AISI 316L steel                      |
| Colour            | steel                                |
| Processing        | Brushing                             |

Electronics



89488 On/Off Driver 190~250V AC / 180~275V DC 15 W

89179 On/Off





89359 On/Off Driver 198~264V AC / 180~275V DC 48 W



99331 On/Off Driver 198~264V AC / 180~275V DC 150 W



99660 DALI - 1-10V Controller 24V DC 216 W



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

 Cables Electrification with converter

 Cable connector
 No

(D) 55

1/3 5.02.2025

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# Orma\_C

## Downlights | 1 x powerLED 5 W DC 24 V | CRI 80 | Base 81226M25

Single emission recessed downlights for outdoor application. The super warm white LED light source with a elliptic spot light distribution is composed of 1 powerled LEDs with CCT of 2700 K and a CRI 80; the source luminous flux is 490 lm, with a 98.0 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. The ingress protection degree is IP67; the total weight is of 0.2 kg.

The total absorbed power is 5 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 55 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.

#### Energy efficiency class

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

| Illuminotechnical Features             |                |
|--|----------------|
| Light Output Ratio (LOR)               | 68 %           |
| Source lumens                          | 490 lm         |
| Delivered lumens                       | 335 lm         |
| Consumption                            | 5 W            |
| Luminaire efficacy                     | 67 lm/W        |
| Colour temperature                     | 2700 K         |
| Standard Deviation of Colour Matching  | 3 Step MacAdam |
| Colour rendering index                 | 80 Ra          |
| Black Body Locus                       | On             |
|  |                |
| Standard Operating Ambient Temperature | -20 / +50°C    |
| Ordinary temperature on the glass      | 40°C           |

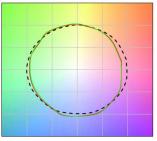
#### LED Life / Failure Ratio

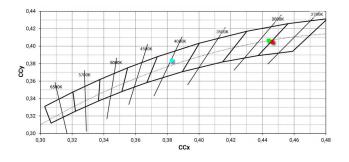
L70 B10 C0 247450h (at Tj 60 Ta 25 )

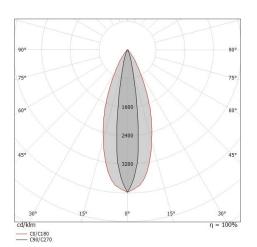
| UGR               |          |
|-------------------|----------|
| UGR axial         | 11.5     |
| UGR transversal   | 17.9     |
| X=4H   Y=8H       | S=0.25H  |
| Reflection factor | 70/50/20 |
|                   |          |

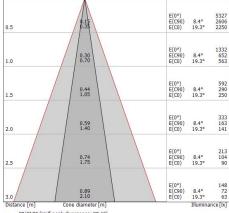
| OPTICAL                     |                     |
|-----------------------------|---------------------|
| C90/C270 optics             | 17°                 |
| C0/C180 optics              | 39°                 |
| Light distribution simmetry | Symmetrical 2 assis |

COLOR VECTOR GRAPHIC









C0/C180 (Half-peak divergence: 38.6°) C90/C270 (Half-peak divergence: 16.8°)

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# Orma\_C

### Orma\_C | Downlights | Accessories 81226M25

| 290<br>190<br>125 | Outer casing - (to be completed with universal grill 99750)<br>installation position: ceiling; type of installation: masonry L=290mm, H=125mm, D=190mm | <b>Code</b><br>99749 |
|-------------------|--|----------------------|
|                   | Accessories for outer casings - Universal grille for outer casing 99749  | <b>Code</b><br>99750 |
| 113<br>137 200    | Outer casing<br>installation position: ceiling; type of installation: masonry L=200mm, H=113mm, D=137mm.<br>Material:polypropylene, colour:white.      | <b>Code</b><br>89373 |
| 120<br>370        | Outer casing<br>installation position: ceiling; type of installation: masonry L=370mm, H=120mm, D=200mm.<br>Material:polypropylene, colour:white.      | <b>Code</b><br>89374 |