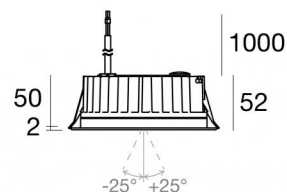




Downlights | 1 arrayLED 13 W DC 24 V | CRI 80  
82455W30



Ø138

| Technical data                                 |                        |
|--|------------------------|
| Type   | Encasement with flange |
| Installation position                          | Ceiling                |
| Installation environment                       | Outdoor                |
| Light Source                                   | LED                    |
| Circuit structure                              | arrayLED               |
| Optics   | Flood                  |
| Light emission direction                       | downward               |
| Nominal power                                  | 13 W DC                |
| Source lumens                                  | 1959 lm                |
| Input voltage range                            | 24 V                   |
| CCT / Tone                                     | 3000 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  | Yes                    |
| total angle (vertical plane)                   | 50 °                   |
| Walk-over                                      | No                     |
| Drive-over                                     | No                     |
| Cable included                                 | Yes                    |
| Cable length                                   | 1 m                    |
| Resin potting                                  | Yes                    |
| Type of light emission                         | Single emission        |
| Net weight                                     | 0.9 Kg                 |
| Electrostatic discharge protection             | No                     |
| Surge protection                               | No                     |
| Optics technology                              | Honey comb             |
| Product technological characteristics          | Acquastop              |

#### Finishing casing

|            |                                      |
|------------|--------------------------------------|
| Material   | Die-cast Aluminium EN AB - 46100     |
| Colour     | black                                |
| Processing | Open pore anodizing + Powder Coating |

#### Finishing diffuser

|            |                              |
|------------|------------------------------|
| Material   | Extra clear glass - Tempered |
| Colour     | transparent                  |
| Processing | Silk-screening               |

#### Finishing flange

|            |                 |
|------------|-----------------|
| Material   | AISI 316L steel |
| Colour     | steel           |
| Processing | Brushing        |

#### Electronics



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 - 11 art.)



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



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

#### Cables Electrification

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



Downlights | 1 arrayLED 13 W DC 24 V | CRI 80 | Base 82455W30

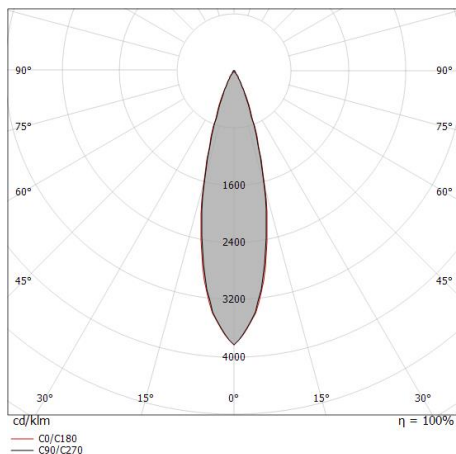
Single emission recessed downlights for outdoor application. The warm white LED light source with a flood light distribution is composed of 1 arrayed LEDs with CCT of 3000 K and a CRI 80; the source luminous flux is 1959 lm, with a 150.7 lm/W nominal luminous efficacy.

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.



| Distance [m] | Cone diameter [m] | illuminance [lx]                                     |
|--------------|-------------------|--|
| 0.5          | 0.24<br>0.24      | E(0°) 14342<br>E(C90) 13.3° 6661<br>E(C0) 13.6° 6627 |
| 1.0          | 0.47<br>0.48      | E(0°) 3585<br>E(C90) 13.3° 1665<br>E(C0) 13.6° 1657  |
| 1.5          | 0.71<br>0.73      | E(0°) 1594<br>E(C90) 13.3° 740<br>E(C0) 13.6° 736    |
| 2.0          | 0.95<br>0.97      | E(0°) 896<br>E(C90) 13.3° 416<br>E(C0) 13.6° 414     |
| 2.5          | 1.18<br>1.21      | E(0°) 574<br>E(C90) 13.3° 266<br>E(C0) 13.6° 265     |
| 3.0          | 1.42<br>1.45      | E(0°) 398<br>E(C90) 13.3° 185<br>E(C0) 13.6° 184     |

— C0/C180 (Half-peak divergence: 27.2°)  
— C90/C270 (Half-peak divergence: 26.6°)

### Energy efficiency class

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

### Illuminotechnical Features

|                                       |                |
|---------------------------------------|----------------|
| Light Output Ratio (LOR)              | 47 %           |
| Source lumens                         | 1959 lm        |
| Delivered lumens                      | 936 lm         |
| Consumption                           | 13 W           |
| Luminaire efficacy                    | 72 lm/W        |
| Colour temperature                    | 3000 K         |
| Standard Deviation of Colour Matching | 2 Step MacAdam |
| Colour rendering index                | 80 Ra          |

Standard Operating Ambient Temperature -20 / +50°C

Ordinary temperature on the glass 40°C

### LED Life / Failure Ratio

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

### UGR

|                   |          |
|-------------------|----------|
| UGR axial         | 8.6      |
| UGR transversal   | 8.9      |
| X=4H   Y=8H       | S=0.25H  |
| Reflection factor | 70/50/20 |

### OPTICAL

|                             |             |
|-----------------------------|-------------|
| C0/C180 optics              | 27°         |
| Light distribution simmetry | Symmetrical |



Orma\_CJ | Downlights | Accessories  
**82455W30**



Outer casing - (to be completed with universal grill 99750)  
installation position: ceiling; type of installation: masonry L=290mm, H=125mm, D=190mm

**Code**  
99749



Accessories for outer casings - Universal grille for outer casing 99749

**Code**  
99750