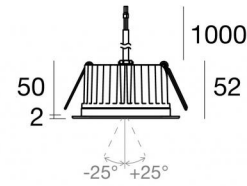
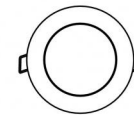




Downlights | 1 arrayLED 9 W DC 24 V | CRI 80
82453N60



86



Ø97

| Technical data | |
|--|------------------------|
| Type | Encasement with flange |
| Installation position | Ceiling |
| Installation environment | Outdoor |
| Light Source | LED |
| Circuit structure | arrayLED |
| Optics | 60° |
| Light emission direction | downward |
| Nominal power | 9 W DC |
| Source lumens | 1354 lm |
| Input voltage range | 24 V |
| CCT / Tone | 4000 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 | 0.5 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 - 2 art.)



89359
On/Off Driver 198-264V AC / 180-275V DC 48 W (1 - 5 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 9 W DC 24 V | CRI 80 | Base 82453N60

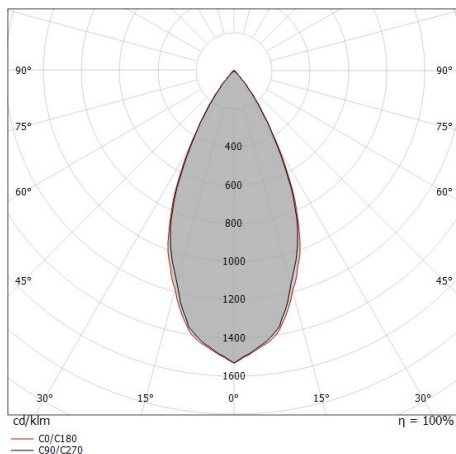
Single emission recessed downlights for outdoor application. The natural white LED light source is composed of 1 arrayLEDs with CCT of 4000 K and a CRI 80; the source luminous flux is 1354 lm, with a 150.4 lm/W nominal luminous efficacy.

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 0.5 kg.

The total absorbed power is 9 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 86 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 | 0.45 0.46 | E(0°) 4354 E(C90) 24.4° 1648 E(C0) 24.8° 1629 |
| 1.0 | 0.91 0.92 | E(0°) 1089 E(C90) 24.4° 412 E(C0) 24.8° 407 |
| 1.5 | 1.36 1.39 | E(0°) 484 E(C90) 24.4° 183 E(C0) 24.8° 181 |
| 2.0 | 1.81 1.85 | E(0°) 272 E(C90) 24.4° 103 E(C0) 24.8° 102 |
| 2.5 | 2.27 2.31 | E(0°) 174 E(C90) 24.4° 66 E(C0) 24.8° 65 |
| 3.0 | 2.72 2.77 | E(0°) 121 E(C90) 24.4° 46 E(C0) 24.8° 45 |

— C0/C180 (Half-peak divergence: 49.6°)
— C90/C270 (Half-peak divergence: 48.8°)

Energy efficiency class

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

Illuminotechnical Features

| | |
|---------------------------------------|----------------|
| Light Output Ratio (LOR) | 52 % |
| Source lumens | 1354 lm |
| Delivered lumens | 711 lm |
| Consumption | 9 W |
| Luminaire efficacy | 79 lm/W |
| Colour temperature | 4000 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 252000h (at Tj 65 Ta 25)

UGR

| | |
|-------------------|----------|
| UGR axial | 16.6 |
| UGR transversal | 16.7 |
| X=4H Y=8H | S=0.25H |
| Reflection factor | 70/50/20 |

OPTICAL

| | |
|-----------------------------|-------------|
| C0/C180 optics | 49° |
| Light distribution simmetry | Symmetrical |



Outer casing
 installation position: ceiling; type of installation: masonry L=200mm, H=113mm, D=137mm.
 Material:polypropylene, colour:white.

Code
89373



Outer casing
 installation position: ceiling; type of installation: masonry L=370mm, H=120mm, D=200mm.
 Material:polypropylene, colour:white.

Code
89374



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