

Warp_R EVO



Downlights | 1 arrayLED 9 W DC 700 mA | CRI 80
77369A10



| Technical data | |
|--|------------------------|
| Type | Encasement with flange |
| Installation position | Ceiling |
| Installation environment | Indoor |
| Light Source | LED |
| Circuit structure | arrayLED |
| Optics | Spot |
| Light emission direction | downward |
| Nominal power | 9 W DC |
| Source lumens | 892 lm |
| Input voltage range | 700mA |
| CCT / Tone | 2200 K |
| Colour rendering index | 80 Ra |
| C.C. / C.V. | CC |
| Safety class | 3 |
| IP | IP40 |
| 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 | Yes |
| Cable length | 0.2 m |
| Resin potting | No |
| Type of light emission | Single emission |
| Net weight | 0.3 Kg |
| Electrostatic discharge protection | No |
| Surge protection | No |
| Optics technology | Honey comb |

Finishing casing

| | |
|------------|---------------|
| Material | Technopolymer |
| Colour | Black |
| Processing | Coating |

Finishing diffuser

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

Finishing radiator

| | |
|------------|----------------------------------|
| Material | Die-cast Aluminium EN AB - 46100 |
| Colour | Aluminium |
| Processing | Polishing |

Electronics



99147
On/Off Driver 198-264V AC



99735
Multi Power 198-264V AC / 180-275V DC



99733
1-10V Multi Power 198-264V AC / 180-275V DC



C-E100012
Push and Simply Dim - DALI-2 Controller



C-E100016
Push and Simply Dim - DALI-2 Controller



Downlights | 1 arrayLED 9 W DC 700 mA | CRI 80 | Base 77369A10

Single emission recessed downlights for indoor application. The ancient white LED light source with a spot light distribution is composed of 1 arrayed LEDs with CCT of 2200 K and a CRI 80; the source luminous flux is 892 lm, with a 99.1 lm/W nominal luminous efficacy.

The device body is made of technopolymer and features a black finish, processed by means of coating; the diffuser is made of uv resistant polycarbonate. The ingress protection degree is IP40; the total weight is of 0.3 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 9 W. The power supply cable is included and features a 0.2 m length.

The device features protection class III and can be ceiling-mounted, with a 92 mm diameter hole (in plasterboard) with an outer casing, code 89374(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 F.

Illuminotechnical Features

| | |
|--|----------------|
| Light Output Ratio (LOR) | 57 % |
| Source lumens | 892 lm |
| Delivered lumens | 517 lm |
| Consumption | 9 W |
| Luminaire efficacy | 57 lm/W |
| Colour temperature | 2200 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 |

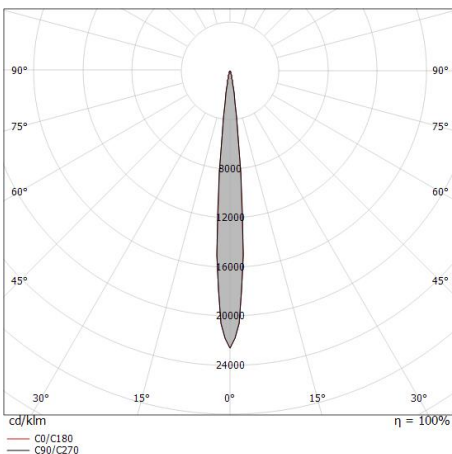
LED Life / Failure Ratio

UGR

| | |
|-------------------|----------|
| UGR axial | -1.1 |
| UGR transversal | -1.1 |
| X=4H Y=8H | S=0.25H |
| Reflection factor | 70/50/20 |

OPTICAL

| | |
|-----------------------------|-------------|
| C0/C180 optics | 10° |
| Light distribution simmetry | Symmetrical |



| Distance [m] | Cone diameter [m] | Half-peak divergence [°] | Half-peak divergence [°] | illuminance [lx] |
|--------------|-------------------|--------------------------|--------------------------|--|
| 0.5 | 0.09 | 9.8° | 10.2° | E(0°) 46695 E(C90) 5.1° 23097 E(C0) 4.9° 23380 |
| 1.0 | 0.18 | 9.8° | 10.2° | E(0°) 11674 E(C90) 5.1° 5774 E(C0) 4.9° 5845 |
| 1.5 | 0.27 | 9.8° | 10.2° | E(0°) 5188 E(C90) 5.1° 2566 E(C0) 4.9° 2598 |
| 2.0 | 0.36 | 9.8° | 10.2° | E(0°) 2918 E(C90) 5.1° 1444 E(C0) 4.9° 1461 |
| 2.5 | 0.45 | 9.8° | 10.2° | E(0°) 1868 E(C90) 5.1° 924 E(C0) 4.9° 935 |
| 3.0 | 0.54 | 9.8° | 10.2° | E(0°) 1297 E(C90) 5.1° 642 E(C0) 4.9° 649 |

Warp_R EVO



Warp_R EVO | Downlights | Accessories
77369A10



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



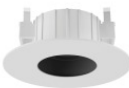
White Quantum_R EVO frontal Kit

Code
83373



Black Vos_R EVO frontal Kit

Code
83378



White Vos_R EVO frontal Kit

Code
83377



Black Quantum_R EVO frontal Kit

Code
83374



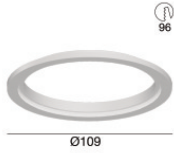
White Warp_R EVO frontal Kit

Code
83375



Black Warp_R EVO frontal Kit

Code
83376



White front adaptive flange for Warp EVO

Code
83395



Black front adaptive flange for Warp EVO

Code
83390



Gold Quantum_R EVO frontal Kit

Code
C-K400046



Copper Quantum EVO frontal Kit

Code
C-K400047



Copper Warp_R EVO frontal Kit

Code
C-K400049



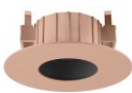
Gold Warp_R EVO frontal Kit

Code
C-K400048



Gold Vos_R EVO frontal Kit

Code
C-K400050



Copper Vos_R EVO frontal Kit

Code
C-K400051

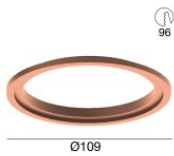


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Gold front adaptive flange for Warp EVO

Code

C-K400052

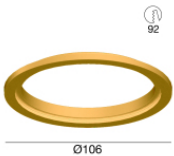


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Copper front adaptive flange for Warp EVO

Code

C-K400053

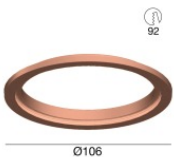


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Gold front adaptive flange for Quantum EVO

Code

C-K400054



92

Copper front adaptive flange for Quantum EVO

Code

C-K400055



Anti-glare
Anti-glare Type: honeycomb louvre.
Material:Pom-C, colour:Black.

Code

83379



Diffuser
Diffuser Type: elliptical filter

Code

83380



Diffuser
Diffuser Type: aesthetic filter

Code

83381