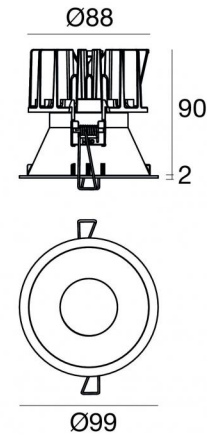


# Warp\_R EVO



Downlights | 1 arrayLED 9 W DC 700 mA | CRI 90  
77368N10



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	1196 lm
Input voltage range	700mA
CCT / Tone	4000 K
Colour rendering index	90 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	White RAL 9003

## 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

## Cables Electrification

Cable connector	JST Quick connector Male + Female
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Downlights | 1 arrayLED 9 W DC 700 mA | CRI 90 | Base 77368N10

Single emission recessed downlights for indoor application. The natural white LED light source with a spot light distribution is composed of 1 arrayed LEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 1196 lm, with a 132.9 lm/W nominal luminous efficacy.

The device body is made of technopolymer and features a white ral 9003 finish; 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 E.

### Illuminotechnical Features

Light Output Ratio (LOR)	59 %
Source lumens	1196 lm
Delivered lumens	712 lm
Consumption	9 W
Luminaire efficacy	79 lm/W
Colour temperature	4000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Colour rendering index	90 Ra

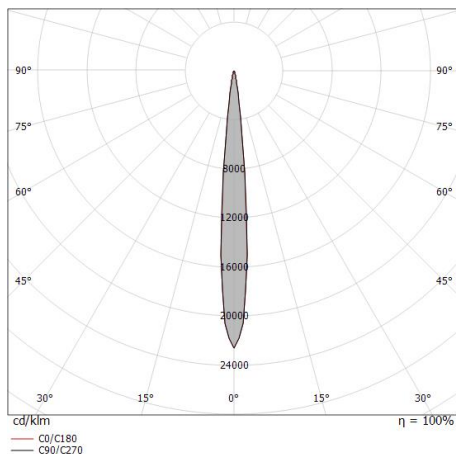
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

### LED Life / Failure Ratio

L70 B10 C0 112960h (at Tj 65 Ta 25 )

### OPTICAL

C0/C180 optics	10°
Light distribution symmetry	Symmetrical



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.09 0.09	E(0°) 64236 E(C90) 5.1° 31774 E(C0) 4.9° 32163
1.0	0.18 0.17	E(0°) 16059 E(C90) 5.1° 7943 E(C0) 4.9° 8041
1.5	0.27 0.26	E(0°) 7137 E(C90) 5.1° 3530 E(C0) 4.9° 3574
2.0	0.36 0.34	E(0°) 4015 E(C90) 5.1° 1986 E(C0) 4.9° 2010
2.5	0.45 0.43	E(0°) 2569 E(C90) 5.1° 1271 E(C0) 4.9° 1287
3.0	0.54 0.51	E(0°) 1784 E(C90) 5.1° 883 E(C0) 4.9° 893

— C0/C180 (Half-peak divergence: 9.8°)  
— C90/C270 (Half-peak divergence: 10.2°)

# Warp\_R EVO



Warp\_R EVO | Downlights | Accessories  
**77368N10**



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

**Code**  
89373



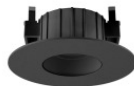
Outer casing  
installation position: ceiling; type of installation: masonry L=370mm, H=120mm, D=200mm.  
Material:polypropylene, colour:white.

**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



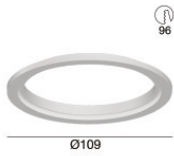
White Warp\_R EVO frontal Kit

**Code**  
83375



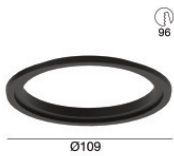
Black Warp\_R EVO frontal Kit

**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



 <p>Ø109</p>	<p>Gold front adaptive flange for Warp EVO</p>	<p><b>Code</b> <u>C-K400052</u></p>
 <p>Ø109</p>	<p>Copper front adaptive flange for Warp EVO</p>	<p><b>Code</b> <u>C-K400053</u></p>
 <p>Ø106</p>	<p>Gold front adaptive flange for Quantum EVO</p>	<p><b>Code</b> <u>C-K400054</u></p>
 <p>Ø106</p>	<p>Copper front adaptive flange for Quantum EVO</p>	<p><b>Code</b> <u>C-K400055</u></p>
	<p>Anti-glare Anti-glare Type: honeycomb louvre. Material:Pom-C, colour:Black.</p>	<p><b>Code</b> <u>83379</u></p>
	<p>Diffuser Diffuser Type: elliptical filter</p>	<p><b>Code</b> <u>83380</u></p>
	<p>Diffuser Diffuser Type: aesthetic filter</p>	<p><b>Code</b> <u>83381</u></p>