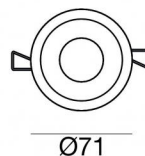
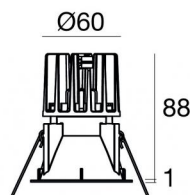


# Warp\_R EVO



Downlights | 1 arrayLED 9 W DC 700 mA | CRI 90  
77339N45



## Technical data

Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Medium Wide Flood
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	0.2 Kg
Electrostatic discharge protection	No
Surge protection	No

## 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

## Cables Electrification

Cable connector	JST Quick connector Male + Female
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Downlights | 1 arrayLED 9 W DC 700 mA | CRI 90 | Base 77339N45

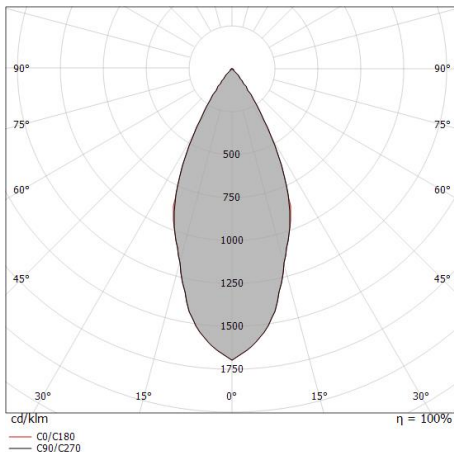
Single emission recessed downlights for indoor application. The natural white LED light source with a medium wide flood light distribution is composed of 1 arrayed LEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 1196 lm, with a 132.9 lm/W nominal luminous efficacy.

The device body is made of technopolymer and features a 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 0.2 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 64 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.



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.42 0.43	E(0°) 5095 E(C90) 23.0° 1996 E(C0) 23.3° 1979
1.0	0.85 0.86	E(0°) 1274 E(C90) 23.0° 499 E(C0) 23.3° 495
1.5	1.27 1.29	E(0°) 566 E(C90) 23.0° 222 E(C0) 23.3° 220
2.0	1.70 1.72	E(0°) 318 E(C90) 23.0° 125 E(C0) 23.3° 124
2.5	2.12 2.15	E(0°) 204 E(C90) 23.0° 80 E(C0) 23.3° 79
3.0	2.55 2.58	E(0°) 142 E(C90) 23.0° 55 E(C0) 23.3° 55

— C0/C180 (Half-peak divergence: 46.6°)  
— C90/C270 (Half-peak divergence: 46.0°)

### Energy efficiency class

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

### Illuminotechnical Features

Light Output Ratio (LOR)	62 %
Source lumens	1196 lm
Delivered lumens	751 lm
Consumption	9 W
Luminaire efficacy	83 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 )

### UGR

UGR axial	17.2
UGR transversal	17.2
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	46°
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



Optics  
Light distribution: medium wide flood,Cover material: uv resistant polycarbonate

**Code**  
83372



Optics  
Light distribution: medium flood,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate

**Code**  
83371



Optics  
Light distribution: spot,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate

**Code**  
83370



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

**Code**  
83367



Diffuser  
Diffuser Type: elliptical filter

**Code**  
83368



Diffuser  
Diffuser Type: aesthetic filter

**Code**  
83369

# Warp\_R EVO



Warp\_R EVO | Downlights | Accessories  
77339N45



White Quantum\_R EVO frontal Kit

**Code**  
83361



Black Quantum\_R EVO frontal Kit

**Code**  
83362



Black Vos\_R EVO frontal Kit

**Code**  
83366



White Vos\_R EVO frontal Kit

**Code**  
83365



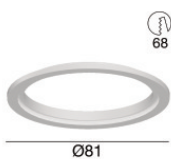
Black Warp\_R EVO frontal Kit

**Code**  
83364



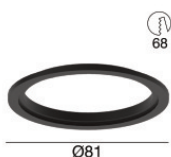
White Warp\_R EVO frontal Kit

**Code**  
83363



White front adaptive flange for Warp EVO or Quantum EVO

**Code**  
83393



Black front adaptive flange for Warp EVO or Quantum EVO

**Code**  
83394

# Warp\_R EVO



Warp\_R EVO | Downlights | Accessories  
77339N45



Gold Quantum\_R EVO frontal Kit

**Code**  
C-K400038



Copper Quantum EVO frontal Kit

**Code**  
C-K400039



Gold Warp\_R EVO frontal Kit

**Code**  
C-K400040



Copper Warp\_R EVO frontal Kit

**Code**  
C-K400041



Gold Vos\_R EVO frontal Kit

**Code**  
C-K400042



Copper Vos\_R EVO frontal Kit

**Code**  
C-K400043



Gold front adaptive flange for Warp EVO or Quantum EVO

**Code**  
C-K400044



Copper front adaptive flange for Warp EVO or Quantum EVO

**Code**  
C-K400045

