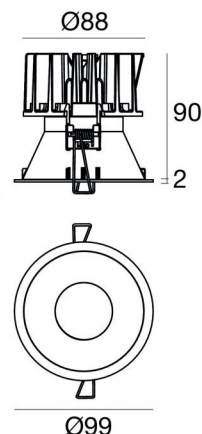


# Warp\_R EVO



Downlights | 1 arrayLED 14 W DC 400 mA | CRI 90  
77342W50



## Technical data

Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Wide Flood
Light emission direction	downward
Nominal power	14 W DC
Source lumens	2318 lm
Input voltage range	400mA
CCT / Tone	3000 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

## Finishing casing

Material	Technopolymer
Colour	White RAL 9003

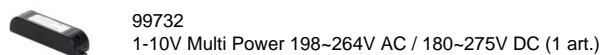
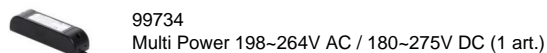
## Finishing diffuser

Material	UV Resistant Polycarbonate
Colour	transparent

## Finishing radiator

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

## Electronics



## Cables Electrification

Cable connector	JST Quick connector Male + Female
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Downlights | 1 arrayLED 14 W DC 400 mA | CRI 90 | Base  
**77342W50**

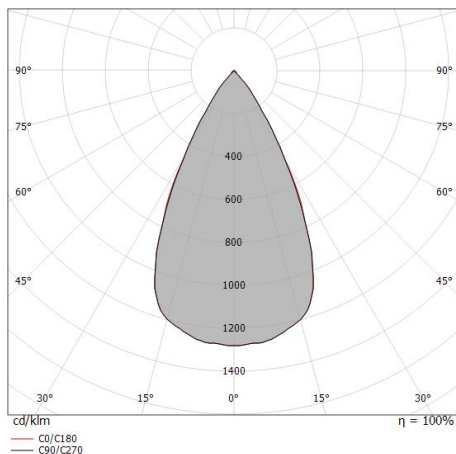
Single emission recessed downlights for indoor application. The warm white LED light source with a wide flood light distribution is composed of 1 arrayLEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 2318 lm, with a 165.6 lm/W nominal luminous efficacy.

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 14 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.



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.52 0.53	E(0°) 9520 E(C90) 27.3° 3342 E(C0) 27.7° 3317
1.0	1.03 1.05	E(0°) 2380 E(C90) 27.3° 835 E(C0) 27.7° 829
1.5	1.55 1.58	E(0°) 1058 E(C90) 27.3° 371 E(C0) 27.7° 369
2.0	2.06 2.10	E(0°) 595 E(C90) 27.3° 209 E(C0) 27.7° 207
2.5	2.58 2.63	E(0°) 381 E(C90) 27.3° 134 E(C0) 27.7° 133
3.0	3.10 3.15	E(0°) 264 E(C90) 27.3° 93 E(C0) 27.7° 92

— C0/C180 (Half-peak divergence: 55.4°)  
— C90/C270 (Half-peak divergence: 54.6°)

### Energy efficiency class

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

### Illuminotechnical Features

Light Output Ratio (LOR)	80 %
Source lumens	2318 lm
Delivered lumens	1857 lm
Consumption	14 W
Luminaire efficacy	132 lm/W
Colour temperature	3000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Colour rendering index	90 Ra
Colour Rendering Index	60 R9
Black Body Locus	On
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	17.5
UGR transversal	17.5
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	55°
Light distribution simmetry	Symmetrical

### COLOR VECTOR GRAPHIC



# Warp\_R EVO

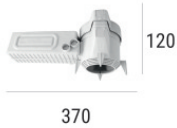


Warp\_R EVO | Downlights | Accessories  
**77342W50**



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



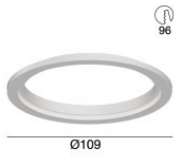
White Warp\_R EVO frontal Kit

**Code**  
83375



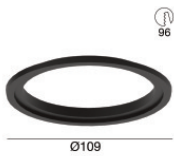
Black Warp\_R EVO frontal Kit

**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



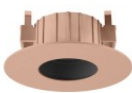
Gold Warp\_R EVO frontal Kit

**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>
	<p>Optics - Steel AISI 304L Light distribution: flood,Cover material: uv resistant polycarbonate</p>	<p><b>Code</b> <u>83382</u></p>



Optics

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

**Code**

83383



Optics

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

**Code**

83384