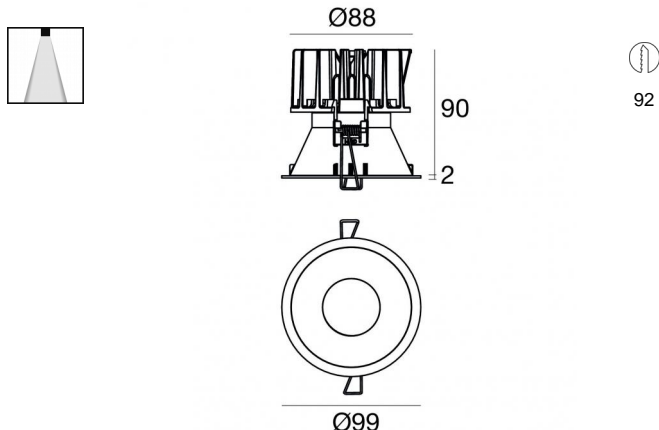


Warp_R EVO



Downlights | 1 arrayLED 14 W DC 400 mA | CRI 90
77581N20



Technical data	
Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Flood
Light emission direction	downward
Nominal power	14 W DC
Source lumens	2411 lm
Input voltage range	400mA
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	copper
Processing	Coating


Finishing diffuser


Material	UV Resistant Polycarbonate
Colour	transparent

Finishing radiator

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

Electronics

 99734
Multi Power 198~264V AC / 180~275V DC (1 art.)

 99732
1-10V Multi Power 198~264V AC / 180~275V DC (1 art.)

 83322
Push and Simply Dim - DALI-2 Controller (1 art.)



Downlights | 1 arrayLED 14 W DC 400 mA | CRI 90 | Base 77581N20

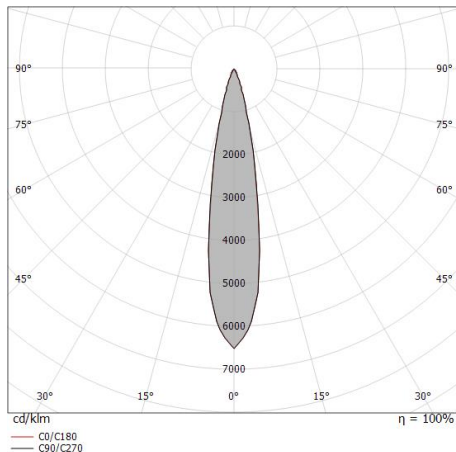
Single emission recessed downlights for indoor application. The natural white LED light source is composed of 1 arrayLEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 2411 lm, with a 172.2 lm/W nominal luminous efficacy.

The device body is made of technopolymer and features a copper 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 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	0.17 0.17	E(0°) 36479 E(C90) 17562 E(C0) 17695
1.0	0.35 0.34	E(0°) 9120 E(C90) 4390 E(C0) 4424
1.5	0.52 0.51	E(0°) 4053 E(C90) 1951 E(C0) 1966
2.0	0.70 0.68	E(0°) 2280 E(C90) 1098 E(C0) 1106
2.5	0.87 0.85	E(0°) 1459 E(C90) 702 E(C0) 708
3.0	1.05 1.03	E(0°) 1013 E(C90) 488 E(C0) 492

— C0/C180 (Half-peak divergence: 19.4°)
— C90/C270 (Half-peak divergence: 19.8°)

Energy efficiency class

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

Illuminotechnical Features

Light Output Ratio (LOR)	58 %
Source lumens	2411 lm
Delivered lumens	1401 lm
Consumption	14 W
Luminaire efficacy	100 lm/W
Colour temperature	4000 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

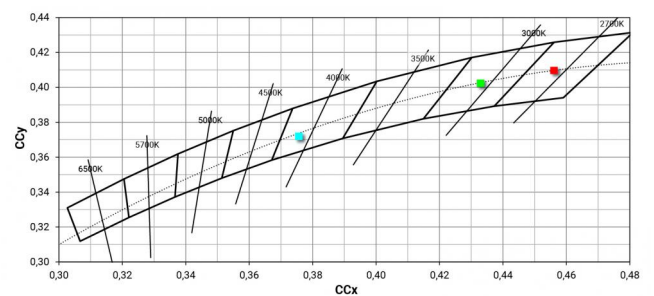
L70 B10 C0 252000h (at Tj 65 Ta 25)

UGR

UGR axial	6.8
UGR transversal	6.8
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

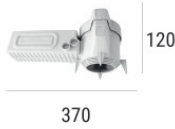
C0/C180 optics	19°
Light distribution simmetry	Symmetrical



Warp_R EVO



Warp_R EVO | Downlights | Accessories
77581N20



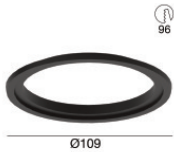
Outer casing
installation position: ceiling; type of installation: masonry L=370mm, H=120mm, D=200mm.
Material:polypropylene, colour:white.

Code
89374



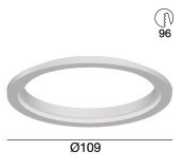
Outer casing
installation position: ceiling; type of installation: masonry L=200mm, H=113mm, D=137mm.
Material:polypropylene, colour:white.

Code
89373



Black front adaptive flange for Warp EVO

Code
83390



White front adaptive flange for Warp EVO

Code
83395



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

Code
83384



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

Code
83383



Optics - Steel AISI 304L
Light distribution: flood,Cover material: uv resistant polycarbonate









Code
83382



Diffuser
Diffuser Type: aesthetic filter

Code
83381



	Diffuser Diffuser Type: elliptical filter	Code <u>83380</u>
	Anti-glare Anti-glare Type: honeycomb louvre. Material:Pom-C, colour:Black.	Code <u>83379</u>
	Black Vos_R EVO frontal Kit	Code <u>83378</u>
	White Vos_R EVO frontal Kit	Code <u>83377</u>
	Black Warp_R EVO frontal Kit	Code <u>83376</u>
	White Warp_R EVO frontal Kit	Code <u>83375</u>
	Black Quantum_R EVO frontal Kit	Code <u>83374</u>
	White Quantum_R EVO frontal Kit	Code <u>83373</u>



Gold Warp_R EVO frontal Kit

Code
C-K400048



Copper Warp_R EVO frontal Kit

Code
C-K400049



Gold Quantum_R EVO frontal Kit

Code
C-K400046



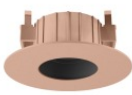
Copper Quantum EVO frontal Kit

Code
C-K400047



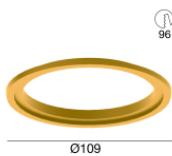
Gold Vos_R EVO frontal Kit

Code
C-K400050



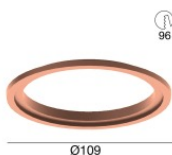
Copper Vos_R EVO frontal Kit

Code
C-K400051



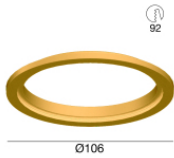
Gold front adaptive flange for Warp EVO

Code
C-K400052



Copper front adaptive flange for Warp EVO

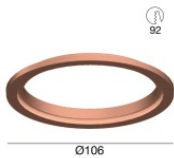
Code
C-K400053



Gold front adaptive flange for Quantum EVO

Code

C-K400054



Copper front adaptive flange for Quantum EVO

Code

C-K400055