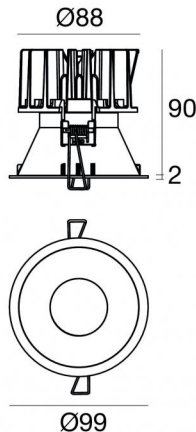


Warp_R EVO



Downlights | 1 arrayLED 14 W DC 400 mA | CRI 90
77343N30



Technical data	
Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Medium 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

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	
	99734 Multi Power 198-264V AC / 180-275V DC
	99732 1-10V Multi Power 198-264V AC / 180-275V DC
	83322 Push and Simply Dim - DALI-2 Controller
Cables Electrification	
Cable connector	JST Quick connector Male + Female



Downlights | 1 arrayLED 14 W DC 400 mA | CRI 90 | Base 77343N30

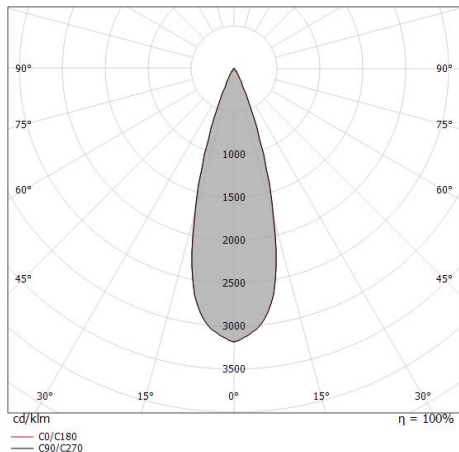
Single emission recessed downlights for indoor application. The natural white LED light source with a medium flood light distribution is composed of 1 arrayed LEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 2411 lm, with a 172.2 lm/W nominal luminous efficacy.

The device body is made of technopolymer and features a 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 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.



0.5	0.29 0.28	E(0°) E(C90) E(C0)	24183 10830 10760
1.0	0.57 0.57	E(0°) E(C90) E(C0)	6046 2707 2690
1.5	0.86 0.85	E(0°) E(C90) E(C0)	2687 1203 1196
2.0	1.15 1.14	E(0°) E(C90) E(C0)	1511 677 672
2.5	1.43 1.42	E(0°) E(C90) E(C0)	967 433 430
3.0	1.72 1.71	E(0°) E(C90) E(C0)	672 301 299

Distance [m] Cone diameter [m] Illuminance [lx]

— C0/C180 (Half-peak divergence: 31.8°)
— C90/C270 (Half-peak divergence: 32.0°)

Energy efficiency class

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

Illuminotechnical Features

Light Output Ratio (LOR)	78 %
Source lumens	2411 lm
Delivered lumens	1899 lm
Consumption	14 W
Luminaire efficacy	135 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

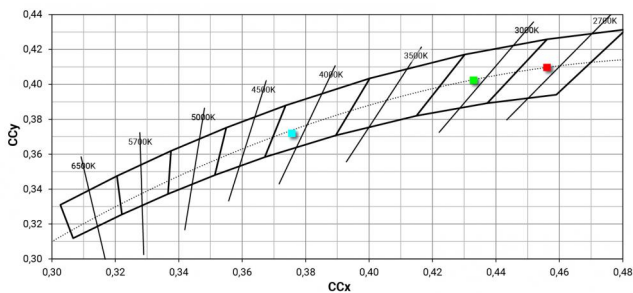
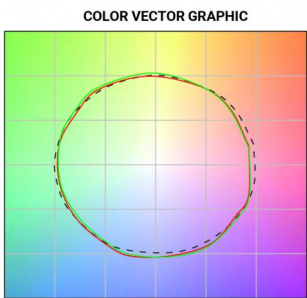
L70 B10 C0 252000h (at Tj 65 Ta 25)

UGR

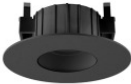
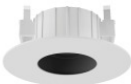
UGR axial	11.1
UGR transversal	11.1
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

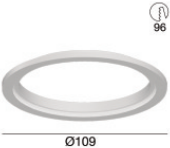
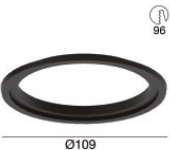
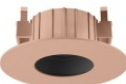
C0/C180 optics	32°
Light distribution simmetry	Symmetrical



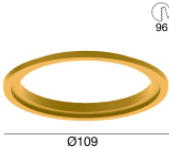
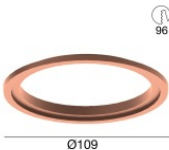
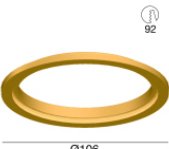


	Outer casing installation position: ceiling; type of installation: masonry L=200mm, H=113mm, D=137mm. Material:polypropylene, colour:white.	Code <u>89373</u>
	Outer casing installation position: ceiling; type of installation: masonry L=370mm, H=120mm, D=200mm. Material:polypropylene, colour:white.	Code <u>89374</u>
	White Quantum_R EVO frontal Kit	Code <u>83373</u>
	Black Vos_R EVO frontal Kit	Code <u>83378</u>
	White Vos_R EVO frontal Kit	Code <u>83377</u>
	Black Quantum_R EVO frontal Kit	Code <u>83374</u>
	White Warp_R EVO frontal Kit	Code <u>83375</u>
	Black Warp_R EVO frontal Kit	Code <u>83376</u>



	White front adaptive flange for Warp EVO	Code <u>83395</u>
	Black front adaptive flange for Warp EVO	Code <u>83390</u>
	Gold Quantum_R EVO frontal Kit	Code <u>C-K400046</u>
	Copper Quantum EVO frontal Kit	Code <u>C-K400047</u>
	Copper Warp_R EVO frontal Kit	Code <u>C-K400049</u>
	Gold Warp_R EVO frontal Kit	Code <u>C-K400048</u>
	Gold Vos_R EVO frontal Kit	Code <u>C-K400050</u>
	Copper Vos_R EVO frontal Kit	Code <u>C-K400051</u>



	Gold front adaptive flange for Warp EVO	Code <u>C-K400052</u>
	Copper front adaptive flange for Warp EVO	Code <u>C-K400053</u>
	Gold front adaptive flange for Quantum EVO	Code <u>C-K400054</u>
	Copper front adaptive flange for Quantum EVO	Code <u>C-K400055</u>
	Anti-glare Anti-glare Type: honeycomb louvre. Material:Pom-C, colour:Black.	Code <u>83379</u>
	Diffuser Diffuser Type: elliptical filter	Code <u>83380</u>
	Diffuser Diffuser Type: aesthetic filter	Code <u>83381</u>
	Optics - Steel AISI 304L Light distribution: flood,Cover material: uv resistant polycarbonate	Code <u>83382</u>



Warp_R EVO | Downlights | Accessories
77343N30



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