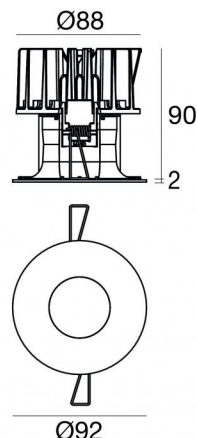


Quantum_R EVO



Downlights | 1 arrayLED 14 W DC 400 mA | CRI 90
77549W20



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	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	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 77549W20

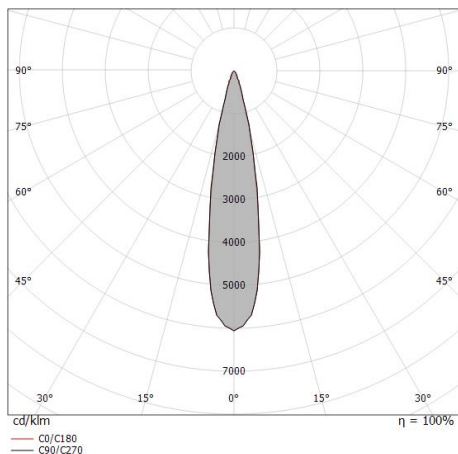
Single emission recessed downlights for indoor application. The warm white LED light source with a flood light distribution is composed of 1 arrayed LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 2318 lm, with a 165.6 lm/W nominal luminous efficacy.

The device body is made of technopolymer and features a 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 88 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	0.18	E(0°) 41289 E(C90) 19803 E(C0) 19787
1.0	0.37	E(0°) 10322 E(C90) 4951 E(C0) 4947
1.5	0.55	E(0°) 4588 E(C90) 2200 E(C0) 2199
2.0	0.73	E(0°) 2581 E(C90) 1238 E(C0) 1237
2.5	0.92	E(0°) 1652 E(C90) 792 E(C0) 791
3.0	1.10	E(0°) 1147 E(C90) 550 E(C0) 550

— C0/C180 (Half-peak divergence: 20.6°)
— C90/C270 (Half-peak divergence: 20.8°)

Energy efficiency class

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

Illuminotechnical Features

Light Output Ratio (LOR)	73 %
Source lumens	2318 lm
Delivered lumens	1702 lm
Consumption	14 W
Luminaire efficacy	121 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	12.6
UGR transversal	12.6
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	21°
Light distribution simmetry	Symmetrical

COLOR VECTOR GRAPHIC



Quantum_R EVO

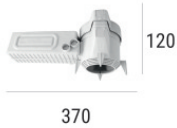


Quantum_R EVO | Downlights | Accessories
77549W20



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



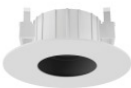
White Quantum_R EVO frontal Kit

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



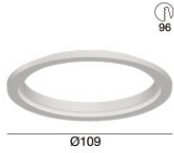
White Warp_R EVO frontal Kit

Code
83375



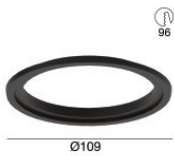
Black Warp_R EVO frontal Kit

Code
83376



White front adaptive flange for Warp EVO

Code
83395



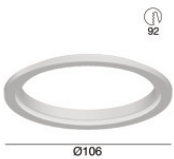
Black front adaptive flange for Warp EVO

Code
83390



Black front adaptive flange for Quantum EVO 9W-14W

Code
83392



White front adaptive flange for Quantum EVO

Code
83391



Gold Quantum_R EVO frontal Kit

Code
C-K400046



Copper Quantum EVO frontal Kit

Code
C-K400047



Copper Warp_R EVO frontal Kit



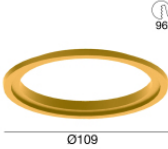
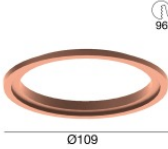
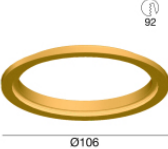



Code
C-K400049



Gold Warp_R EVO frontal Kit

Code
C-K400048



	Gold Vos_R EVO frontal Kit	Code <u>C-K400050</u>
	Copper Vos_R EVO frontal Kit	Code <u>C-K400051</u>
 <p>96 Ø109</p>	Gold front adaptive flange for Warp EVO	Code <u>C-K400052</u>
 <p>96 Ø109</p>	Copper front adaptive flange for Warp EVO	Code <u>C-K400053</u>
 <p>92 Ø106</p>	Gold front adaptive flange for Quantum EVO	Code <u>C-K400054</u>
 <p>92 Ø106</p>	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
83381



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

Code
83382



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

Code
83383



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

Code
83384