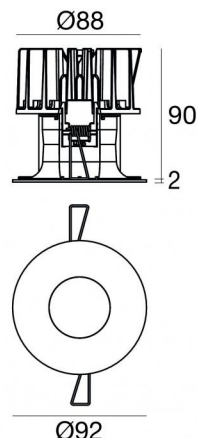


Quantum_R EVO



Downlights | 1 arrayLED 14 W DC 400 mA | CRI 90
77351M20



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	2214 lm
Input voltage range	400mA
CCT / Tone	2700 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	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 (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.)

Cables Electrification

Cable connector	JST Quick connector Male + Female
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Downlights | 1 arrayLED 14 W DC 400 mA | CRI 90 | Base 77351M20

Single emission recessed downlights for indoor application. The super warm white LED light source is composed of 1 arrayed LEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 2214 lm, with a 158.1 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 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.

Energy efficiency class

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

Illuminotechnical Features

Light Output Ratio (LOR)	53 %
Source lumens	2214 lm
Delivered lumens	1178 lm
Consumption	14 W
Luminaire efficacy	84 lm/W
Colour temperature	2700 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

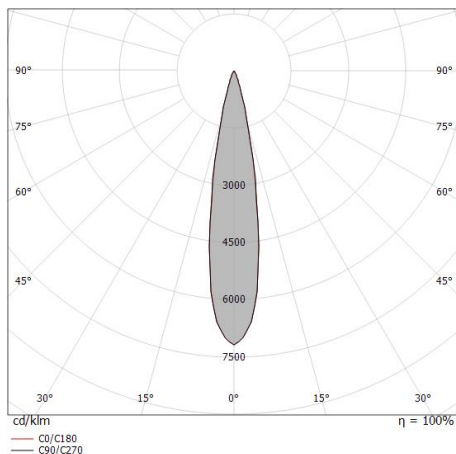
L70 B10 C0 252000h (at Tj 65 Ta 25)

UGR

UGR axial	9.6
UGR transversal	9.6
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

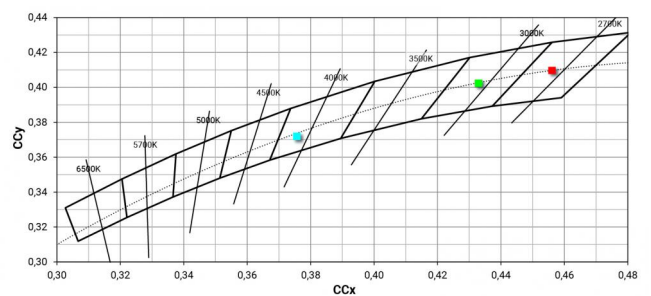
OPTICAL

C0/C180 optics	19°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	Illuminance [lx]	E(0°)	E(C90)	E(C0)
0.5	0.17	0.17	33859	16256	16329
1.0	0.34	0.34	8465	4064	4082
1.5	0.51	0.51	3762	1806	1814
2.0	0.68	0.68	2116	1016	1021
2.5	0.85	0.85	1354	650	653
3.0	1.03	1.01	941	452	454

— C0/C180 (Half-peak divergence: 19.2°)
— C90/C270 (Half-peak divergence: 19.4°)



Quantum_R EVO

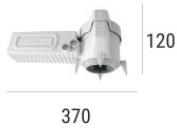


Quantum_R EVO | Downlights | Accessories
77351M20



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

Code
89373



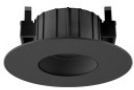
Outer casing
installation position: ceiling; type of installation: masonry L=370mm, H=120mm, D=200mm.
Material:polypropylene, colour:white.

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

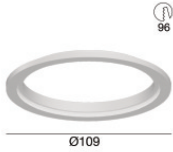
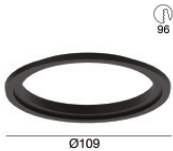

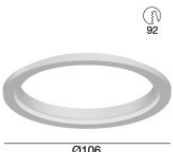




Code
83375




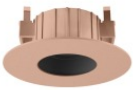
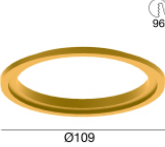
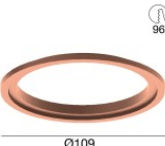




Black Warp_R EVO frontal Kit

Code
83376



 <p>Ø109</p>	White front adaptive flange for Warp EVO	Code <u>83395</u>
 <p>Ø109</p>	Black front adaptive flange for Warp EVO	Code <u>83390</u>
 <p>Ø106</p>	Black front adaptive flange for Quantum EVO 9W-14W	Code <u>83392</u>
 <p>Ø106</p>	White front adaptive flange for Quantum EVO	Code <u>83391</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>
 Ø109	Gold front adaptive flange for Warp EVO	Code <u>C-K400052</u>
 Ø109	Copper front adaptive flange for Warp EVO	Code <u>C-K400053</u>
 Ø106	Gold front adaptive flange for Quantum EVO	Code <u>C-K400054</u>
 Ø106	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,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