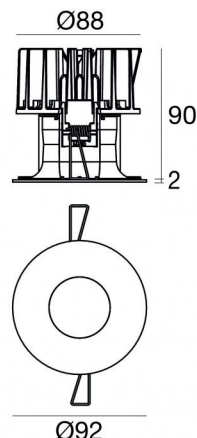


# Quantum\_R EVO



Downlights | 1 arrayLED 9 W DC 700 mA | CRI 90  
77571N10



Technical data	
Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Spot
Light emission direction	downward
Nominal power	9 W DC
Source lumens	1196 lm
Input voltage range	700mA
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

	99147 On/Off Driver 198-264V AC (1 - 2 art.)
	99735 Multi Power 198-264V AC / 180-275V DC (1 art.)
	99733 1-10V Multi Power 198-264V AC / 180-275V DC (1 art.)
	C-E100012 Push and Simply Dim - DALI-2 Controller (1 art.)
	C-E100016 Push and Simply Dim - DALI-2 Controller (1 - 2 art.)



Downlights | 1 arrayLED 9 W DC 700 mA | CRI 90 | Base 77571N10

Single emission recessed downlights for indoor application. The natural white LED light source with a spot light distribution is composed of 1 arrayed LEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 1196 lm, with a 132.9 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 9 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)	56 %
Source lumens	1196 lm
Delivered lumens	675 lm
Consumption	9 W
Luminaire efficacy	75 lm/W
Colour temperature	4000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Colour rendering index	90 Ra
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

### LED Life / Failure Ratio

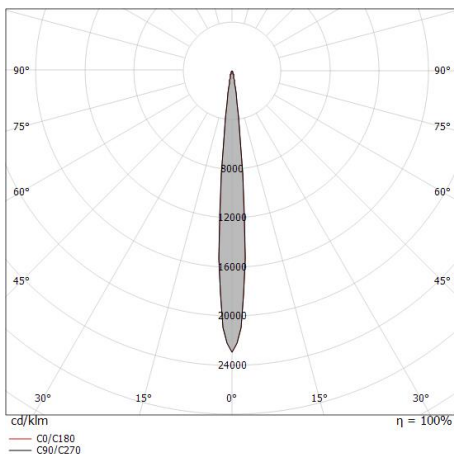
L70 B10 C0 112960h (at Tj 65 Ta 25 )

### UGR

UGR axial	4.5
UGR transversal	4.5
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

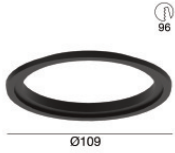
C0/C180 optics	10°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.09 0.08	E(0°) 61979 E(C90) 5.0° 31518 E(C0) 4.8° 31786
1.0	0.12 0.17	E(0°) 15495 E(C90) 5.0° 7880 E(C0) 4.8° 7946
1.5	0.26 0.25	E(0°) 6887 E(C90) 5.0° 3502 E(C0) 4.8° 3532
2.0	0.35 0.34	E(0°) 3874 E(C90) 5.0° 1970 E(C0) 4.8° 1987
2.5	0.44 0.42	E(0°) 2479 E(C90) 5.0° 1261 E(C0) 4.8° 1271
3.0	0.52 0.50	E(0°) 1722 E(C90) 5.0° 876 E(C0) 4.8° 883

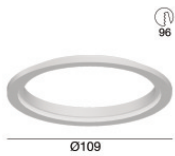
Distance [m] Cone diameter [m] illuminance [lx]

— C0/C180 (Half-peak divergence: 9.6°)  
— C90/C270 (Half-peak divergence: 10.0°)



Black front adaptive flange for Warp EVO

**Code**  
83390



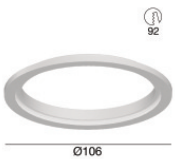
White front adaptive flange for Warp EVO

**Code**  
83395



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

**Code**  
83392



White front adaptive flange for Quantum EVO

**Code**  
83391



Diffuser  
Diffuser Type: aesthetic filter

**Code**  
83381



Diffuser  
Diffuser Type: elliptical filter

**Code**  
83380



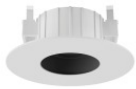
Anti-glare  
Anti-glare Type: honeycomb louvre.  
Material:Pom-C, colour:Black.

**Code**  
83379



Black Vos\_R EVO frontal Kit

**Code**  
83378



White Vos\_R EVO frontal Kit

**Code**  
83377



White Quantum\_R EVO frontal Kit

**Code**  
83373



Black Quantum\_R EVO frontal Kit

**Code**  
83374



White Warp\_R EVO frontal Kit

**Code**  
83375



Black Warp\_R EVO frontal Kit

**Code**  
83376



Copper Quantum EVO frontal Kit

**Code**  
C-K400047



Gold Quantum\_R EVO frontal Kit




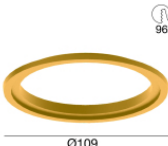
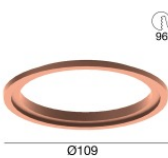
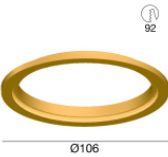



**Code**  
C-K400046



Gold Warp\_R EVO frontal Kit

**Code**  
C-K400048



	Copper Warp_R EVO frontal Kit	<b>Code</b> <u>C-K400049</u>	
	Gold Vos_R EVO frontal Kit	<b>Code</b> <u>C-K400050</u>	
	Copper Vos_R EVO frontal Kit	<b>Code</b> <u>C-K400051</u>	
 Ø109	Gold front adaptive flange for Warp EVO	<b>Code</b> <u>C-K400052</u>	
 Ø109	Copper front adaptive flange for Warp EVO	<b>Code</b> <u>C-K400053</u>	
 Ø106	Gold front adaptive flange for Quantum EVO	<b>Code</b> <u>C-K400054</u>	
 Ø106	Copper front adaptive flange for Quantum EVO	<b>Code</b> <u>C-K400055</u>	
		<b>Outer casing</b> installation position: ceiling; type of installation: masonry L=200mm, H=113mm, D=137mm. Material: polypropylene, colour: white.	<b>Code</b> <u>89373</u>



Quantum\_R EVO | Downlights | Accessories  
**77571N10**



Outer casing

installation position: ceiling; type of installation: masonry L=370mm, H=120mm, D=200mm.

Material: polypropylene, colour: white.

**Code**

89374