

# Quantum\_R EVO



Downlights | 1 arrayLED 9 W DC 700 mA | CRI 90  
77322M15



## 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	1059 lm
Input voltage range	700mA
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	0.2 Kg
Electrostatic discharge protection	No
Surge protection	No

## Finishing casing

Material	Technopolymer
Colour	White RAL 9003

## 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



99735  
Multi Power 198~264V AC / 180~275V DC



99733  
1-10V Multi Power 198~264V AC / 180~275V DC



C-E100012  
Push and Simply Dim - DALI-2 Controller



C-E100016  
Push and Simply Dim - DALI-2 Controller

## Cables Electrification

Cable connector	JST Quick connector Male + Female
-----------------	-----------------------------------



Downlights | 1 arrayLED 9 W DC 700 mA | CRI 90 | Base 77322M15

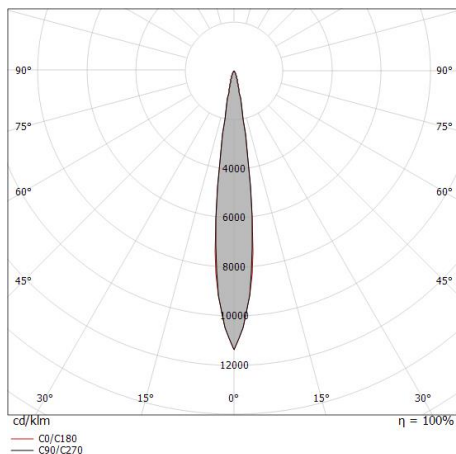
Single emission recessed downlights for indoor application. The super warm white LED light source with a spot light distribution is composed of 1 arrayLEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 1059 lm, with a 117.7 lm/W nominal luminous efficacy.

The device body is made of technopolymer and features a white ral 9003 finish; the diffuser is made of uv resistant polycarbonate. The ingress protection degree is IP40; the total weight is of 0.2 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 64 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	0.13 0.13	E(0°) 33191 E(C90) 7.2° 16395 E(C0) 7.3° 16424
1.0	0.25 0.26	E(0°) 8298 E(C90) 7.2° 4099 E(C0) 7.3° 4106
1.5	0.38 0.38	E(0°) 3688 E(C90) 7.2° 1822 E(C0) 7.3° 1825
2.0	0.51 0.51	E(0°) 2074 E(C90) 7.2° 1025 E(C0) 7.3° 1027
2.5	0.63 0.64	E(0°) 1328 E(C90) 7.2° 656 E(C0) 7.3° 657
3.0	0.76 0.77	E(0°) 922 E(C90) 7.2° 455 E(C0) 7.3° 456

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

— C0/C180 (Half-peak divergence: 14.6°)  
— C90/C270 (Half-peak divergence: 14.4°)

### Energy efficiency class

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

### Illuminotechnical Features

Light Output Ratio (LOR)	68 %
Source lumens	1059 lm
Delivered lumens	730 lm
Consumption	9 W
Luminaire efficacy	81 lm/W
Colour temperature	2700 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	11.9
UGR transversal	11.9
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	14°
Light distribution simmetry	Symmetrical



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



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

**Code**  
83372



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

**Code**  
83371



Optics  
Light distribution: spot,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate

**Code**  
83370



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

**Code**  
83367



Diffuser  
Diffuser Type: elliptical filter

**Code**  
83368



Diffuser  
Diffuser Type: aesthetic filter

**Code**  
83369



White Quantum\_R EVO frontal Kit

**Code**  
83361



Black Quantum\_R EVO frontal Kit

**Code**  
83362



Black Vos\_R EVO frontal Kit

**Code**  
83366



White Vos\_R EVO frontal Kit

**Code**  
83365



Black Warp\_R EVO frontal Kit

**Code**  
83364



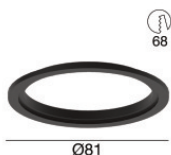
White Warp\_R EVO frontal Kit

**Code**  
83363



White front adaptive flange for Warp EVO or Quantum EVO

**Code**  
83393



Black front adaptive flange for Warp EVO or Quantum EVO

**Code**  
83394



Gold Quantum\_R EVO frontal Kit

**Code**  
C-K400038



Copper Quantum EVO frontal Kit

**Code**  
C-K400039



Gold Warp\_R EVO frontal Kit

**Code**  
C-K400040



Copper Warp\_R EVO frontal Kit

**Code**  
C-K400041



Gold Vos\_R EVO frontal Kit

**Code**  
C-K400042



Copper Vos\_R EVO frontal Kit

**Code**  
C-K400043



Gold front adaptive flange for Warp EVO or Quantum EVO

**Code**  
C-K400044



Copper front adaptive flange for Warp EVO or Quantum EVO

**Code**  
C-K400045

# Quantum\_R EVO

---



Quantum\_R EVO | Downlights | Accessories  
**77322M15**

---