

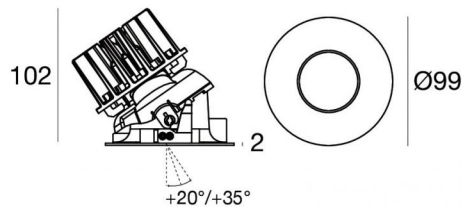
# Quantum\_RJ EVO



Downlights | 1 arrayLED 14 W DC 400 mA | CRI 80  
C00644BBAML



89



**Max inclination:**  
+20° with double panel  
+35° with single panel

## 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	2007 lm
Input voltage range	400mA
CCT / Tone	2200 K
Colour rendering index	80 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	Yes
total angle (horizontal plane)	360 °
total angle (vertical plane)	35 °
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	0.35 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 (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 80 | Base C00644BBAML

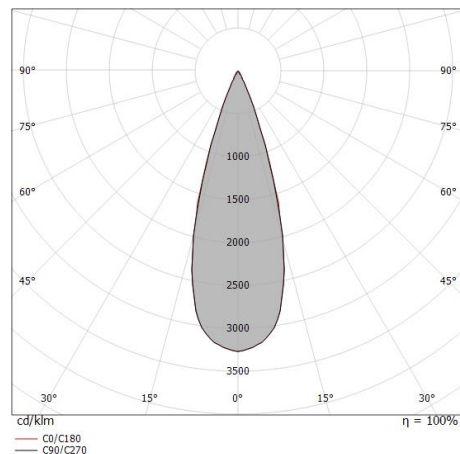
Single emission recessed downlights for indoor application. The ancient white LED light source with a medium flood light distribution is composed of 1 arrayed LEDs with CCT of 2200 K and a CRI 80; the source luminous flux is 2007 lm, with a 143.4 lm/W nominal luminous efficacy.

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 0.35 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 89 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	0.30 0.30	E(0°) 17137 E(C90) 16.6° 7585 E(C0) 16.8° 7529
1.0	0.60 0.60	E(0°) 4284 E(C90) 16.6° 1896 E(C0) 16.8° 1882
1.5	0.89 0.91	E(0°) 1904 E(C90) 16.6° 943 E(C0) 16.8° 837
2.0	1.19 1.21	E(0°) 1071 E(C90) 16.6° 474 E(C0) 16.8° 471
2.5	1.49 1.51	E(0°) 685 E(C90) 16.6° 303 E(C0) 16.8° 301
3.0	1.79 1.81	E(0°) 476 E(C90) 16.6° 211 E(C0) 16.8° 209

— C0/C180 (Half-peak divergence: 33.6°)  
— C90/C270 (Half-peak divergence: 33.2°)

### Energy efficiency class

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

### Illuminotechnical Features

Light Output Ratio (LOR)	65 %
Source lumens	2007 lm
Delivered lumens	1310 lm
Consumption	14 W
Luminaire efficacy	93 lm/W
Colour temperature	2200 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	80 Ra
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	7.7
UGR transversal	7.7
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	33°
Light distribution simmetry	Symmetrical



Quantum\_RJ EVO | Downlights | Accessories  
**C00644BBAML**

		<p>Outer casing                      installation position: ceiling; type of installation: masonry L=200mm, H=113mm, D=137mm.                      Material:polypropylene, colour:white.</p>	<p><b>Code</b>  <u>89373</u></p>
		<p>Outer casing                      installation position: ceiling; type of installation: masonry L=370mm, H=120mm, D=200mm.                      Material:polypropylene, colour:white.</p>	<p><b>Code</b>  <u>89374</u></p>
		<p>Anti-glare                      Anti-glare Type: honeycomb louvre.                      Material:Pom-C, colour:Black.</p>	<p><b>Code</b>  <u>83379</u></p>
		<p>Diffuser                      Diffuser Type: elliptical filter</p>	<p><b>Code</b>  <u>83380</u></p>
		<p>Diffuser                      Diffuser Type: aesthetic filter</p>	<p><b>Code</b>  <u>83381</u></p>
		<p>Optics - Steel AISI 304L                      Light distribution: flood,Cover material: uv resistant polycarbonate</p>	<p><b>Code</b>  <u>83382</u></p>
		<p>Optics                      Light distribution: medium flood,Cover material: uv resistant polycarbonate</p>	<p><b>Code</b>  <u>83383</u></p>
		<p>Optics                      Light distribution: wide flood,Cover material: uv resistant polycarbonate</p>	<p><b>Code</b>  <u>83384</u></p>



Warp\_QJ EVO white front kit

**Code**  
C-K400095



Warp\_QJ EVO black front kit

**Code**  
C-K400096



Quantum\_RJ EVO gold front kit

**Code**  
C-K400104



Quantum\_RJ EVO copper front kit

**Code**  
C-K400105



Vos\_RJ EVO gold front kit

**Code**  
C-K400102



Vos\_RJ EVO copper front kit

**Code**  
C-K400103



Warp\_QJ EVO gold front kit

**Code**  
C-K400106



Warp\_QJ EVO copper front kit

**Code**  
C-K400107



Warp\_RJ EVO white front kit

**Code**  
C-K400091



Warp\_RJ EVO black front kit

**Code**  
C-K400092



Warp\_RJ EVO copper front kit

**Code**  
C-K400115



Warp\_RJ EVO gold front kit

**Code**  
C-K400114



Quantum\_RJ EVO black front kit

**Code**  
C-K400090



Quantum\_RJ EVO white front kit

**Code**  
C-K400089



Vos\_RJ EVO black front kit

**Code**  
C-K400086



Vos\_RJ EVO white front kit

**Code**  
C-K400085

