



Downlights | 1 arrayLED 9 W DC 700 mA | CRI 90  
77330N15



64

## 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	0.2 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
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## Downlights | 1 arrayLED 9 W DC 700 mA | CRI 90 | Base 77330N15

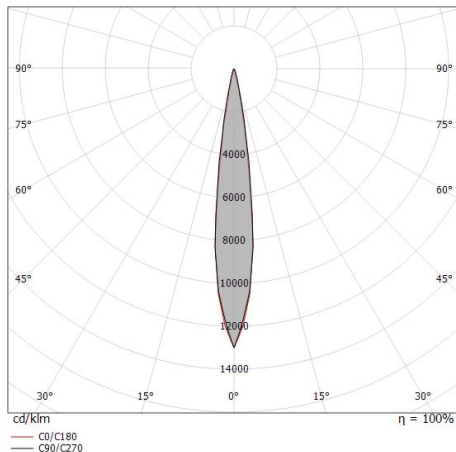
Single emission recessed downlights for indoor application. The natural white LED light source with a spot light distribution is composed of 1 arrayed LEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 1196 lm, with a 132.9 lm/W nominal luminous efficacy.

The device body is made of technopolymer and features a 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 99849(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 0.12	E(0°) 35408 E(C90) 7.3° 17474 E(C0) 7.1° 17691
1.0	0.26 0.25	E(0°) 8852 E(C90) 7.3° 4369 E(C0) 7.1° 4423
1.5	0.38 0.37	E(0°) 3934 E(C90) 7.3° 1942 E(C0) 7.1° 1966
2.0	0.51 0.50	E(0°) 2213 E(C90) 7.3° 1092 E(C0) 7.1° 1106
2.5	0.64 0.62	E(0°) 1416 E(C90) 7.3° 699 E(C0) 7.1° 708
3.0	0.77 0.75	E(0°) 984 E(C90) 7.3° 485 E(C0) 7.1° 491

— C0/C180 (Half-peak divergence: 14.2°)  
— C90/C270 (Half-peak divergence: 14.6°)

### Energy efficiency class

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

### Illuminotechnical Features

Light Output Ratio (LOR)	57 %
Source lumens	1196 lm
Delivered lumens	682 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 )



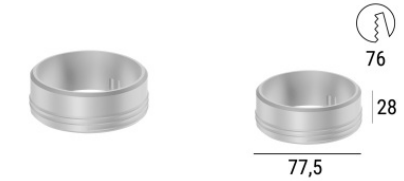





### UGR

UGR axial	4.8
UGR transversal	4.6
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20









### OPTICAL

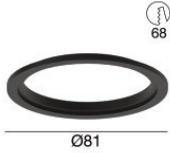
C0/C180 optics	14°
Light distribution simmetry	Symmetrical



	<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>Outer casing installation position: ceiling; type of installation: drywall L=77.5mm, H=28mm, D=77.5mm. Material:Aluminium, colour:Anodised Aluminum, processing:Anodisation.</p>	<p><b>Finish</b> [Grey Box] <b>Code</b> <u>99849</u></p>
	<p>Optics Light distribution: medium wide flood,Cover material: uv resistant polycarbonate</p>	<p><b>Code</b> <u>83372</u></p>
	<p>Optics Light distribution: medium flood,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate</p>	<p><b>Code</b> <u>83371</u></p>
	<p>Optics Light distribution: spot,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate</p>	<p><b>Code</b> <u>83370</u></p>
	<p>Anti-glare Anti-glare Type: honeycomb louvre. Material:Pom-C, colour:Black.</p>	<p><b>Code</b> <u>83367</u></p>
	<p>Diffuser Diffuser Type: elliptical filter</p>	<p><b>Code</b> <u>83368</u></p>



	<p>Diffuser                  Diffuser Type: aesthetic filter</p>	<p><b>Code</b>  <u>83369</u></p>
	<p>White Quantum_R EVO frontal Kit</p>	<p><b>Code</b>  <u>83361</u></p>
	<p>Black Quantum_R EVO frontal Kit</p>	<p><b>Code</b>  <u>83362</u></p>
	<p>Black Vos_R EVO frontal Kit</p>	<p><b>Code</b>  <u>83366</u></p>
	<p>White Vos_R EVO frontal Kit</p>	<p><b>Code</b>  <u>83365</u></p>
	<p>Black Warp_R EVO frontal Kit</p>	<p><b>Code</b>  <u>83364</u></p>
	<p>White Warp_R EVO frontal Kit</p>	<p><b>Code</b>  <u>83363</u></p>
 <p>Ø81</p>	<p>White front adaptive flange for Warp EVO or Quantum EVO</p>	<p><b>Code</b>  <u>83393</u></p>



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



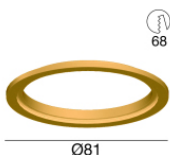
Gold Vos\_R EVO frontal Kit

**Code**  
C-K400042



Copper Vos\_R EVO frontal Kit

**Code**  
C-K400043

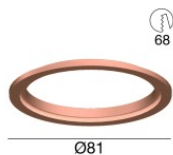


Gold front adaptive flange for Warp EVO or Quantum EVO

**Code**  
C-K400044



Vos\_EVO | Downlights | Accessories  
**77330N15**



Copper front adaptive flange for Warp EVO or Quantum EVO

**Code**

C-K400045