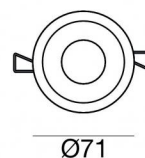
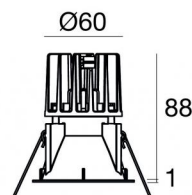


Warp_R EVO



Downlights | 1 x powerLED 4 W DC 350 mA | CRI 90
77341N10



Technical data

Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	powerLED
Optics	Spot
Light emission direction	downward
Nominal power	4 W DC
Source lumens	449 lm
Input voltage range	350mA
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	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

 89145
On/Off Driver 198-264V AC / 180-275V DC (1 art.)

 99375
On/Off Driver 198-264V AC (1 - 3 art.)

 C-E100010
1-10V - 0-10V Controller (1 art.)

 C-E100011
Push and Simply Dim - DALI-2 Controller (1 art.)



Downlights | 1 x powerLED 4 W DC 350 mA | CRI 90 | Base 77341N10

Single emission recessed downlights for indoor application. The natural white LED light source with a spot light distribution is composed of 1 powerLEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 449 lm, with a 112.3 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 0.2 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 4 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.

Energy efficiency class

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

Illuminotechnical Features

Light Output Ratio (LOR)	59 %
Source lumens	449 lm
Delivered lumens	265 lm
Consumption	4 W
Luminaire efficacy	66 lm/W
Colour temperature	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	90 Ra
Black Body Locus	On
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

LED Life / Failure Ratio

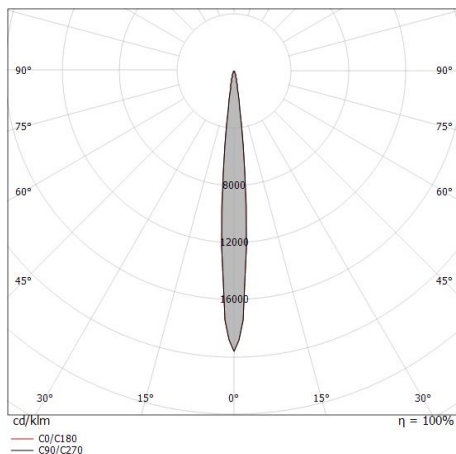
L70 B10 C0 247450h (at Tj 60 Ta 25)

UGR

UGR axial	3.4
UGR transversal	3.4
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°) 20796 E(C90) 4.9° 10352 E(C0) 4.8° 10475
1.0	0.12 0.17	E(0°) 5199 E(C90) 4.9° 2588 E(C0) 4.8° 2619
1.5	0.26 0.25	E(0°) 2311 E(C90) 4.9° 1150 E(C0) 4.8° 1164
2.0	0.34 0.34	E(0°) 1300 E(C90) 4.9° 647 E(C0) 4.8° 655
2.5	0.43 0.42	E(0°) 832 E(C90) 4.9° 414 E(C0) 4.8° 419
3.0	0.51 0.50	E(0°) 578 E(C90) 4.9° 288 E(C0) 4.8° 291

— C0/C180 (Half-peak divergence: 9.6°)
— C90/C270 (Half-peak divergence: 9.8°)





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



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

Warp_R EVO



Warp_R EVO | Downlights | Accessories
77341N10



White Vos_R EVO frontal Kit

Code
83365



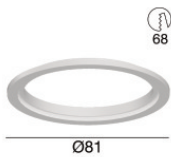
Black Warp_R EVO frontal Kit

Code
83364



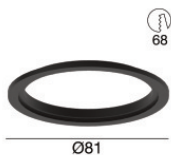
White Warp_R EVO frontal Kit

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



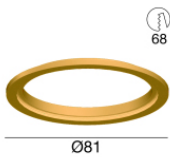
Gold Vos_R EVO frontal Kit

Code
C-K400042



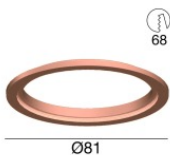
Copper Vos_R EVO frontal Kit

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