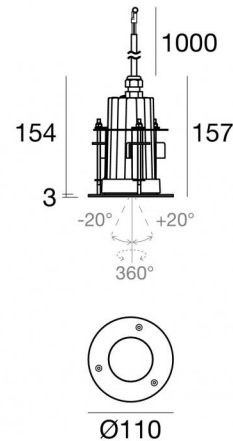




Downlights | 198-264 V
1 arrayLED 7.2 W DC - 8.5 W AC | CRI 80
81918M20



96

Technical data

Type	Encasement with flange
Installation position	Ceiling
Installation environment	Outdoor
Light Source	LED
Circuit structure	arrayLED
Optics	Flood
Light emission direction	downward
Nominal power	7.2 W DC
Total Power	8.5 W
Source lumens	1041 lm
Nominal input voltage	220 - 240 V AC
Input voltage range	198 - 264 V AC
Frequency	50 - 60 Hz
CCT / Tone	2700 K
Colour rendering index	80 Ra
C.C. / C.V.	AC
Safety class	1
IP	IP67
IK	IK10
Glow wire test	850°
Direct mounting on normally flammable surfaces	Yes
CE	Yes
Driver included	Driver
Dimmable article	No
Directional	No
Tilting	Yes
total angle (horizontal plane)	360 °
total angle (vertical plane)	40 °
Walk-over	No
Drive-over	No
Cable included	Yes
Cable length	1 m
Resin potting	Yes
Type of light emission	Single emission
Net weight	1 Kg
Electrostatic discharge protection	Yes
Surge protection	1 KV
Product technological characteristics	Acquastop

Finishing casing

Material	Die-cast Aluminium EN AB - 46100
Colour	black
Processing	Open pore anodizing + Powder Coating

Finishing diffuser

Material	Extra clear glass - Tempered
Colour	transparent

Finishing flange

Material	Aluminium 6026
Colour	Black
Processing	Open pore anodizing + Powder Coating

Cables Electrification

Cable connector	No
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Downlights | 198-264 V | 1 arrayLED 7.2 W DC - 8.5 W AC | CRI 80 | Base 81918M20

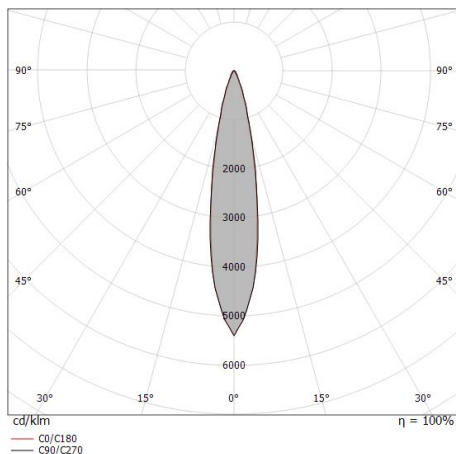
Single emission recessed downlights for outdoor application. The super warm white LED light source is composed of 1 arrayed LEDs with CCT of 2700 K and a CRI 80; the source luminous flux is 1041 lm, with a 144.6 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a black finish, processed by means of open pore anodizing + powder coating; the diffuser is made of extra clear glass - tempered. The ingress protection degree is IP67; the total weight is of 1 kg.

The total absorbed power is 8.5 W. The power supply cable is included and features a 1 m length.

The device features protection class I and can be ceiling-mounted, with a 96 mm diameter hole (in plasterboard) with an outer casing, code 99673(for concrete or masonry).

Compliant with the EN 60598-1 standard and its specific provisions.



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.18 0.17	E(0°) 13497 E(C90) 10.0° 6495 E(C0) 9.9° 6518
1.0	0.35 0.35	E(0°) 3374 E(C90) 10.0° 1624 E(C0) 9.9° 1630
1.5	0.53 0.52	E(0°) 1500 E(C90) 10.0° 722 E(C0) 9.9° 724
2.0	0.71 0.70	E(0°) 844 E(C90) 10.0° 406 E(C0) 9.9° 407
2.5	0.88 0.87	E(0°) 540 E(C90) 10.0° 260 E(C0) 9.9° 261
3.0	1.06 1.05	E(0°) 375 E(C90) 10.0° 180 E(C0) 9.9° 181

— C0/C180 (Half-peak divergence: 19.8°)
— C90/C270 (Half-peak divergence: 20.0°)

Energy efficiency class

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

Illuminotechnical Features

Light Output Ratio (LOR)	60 %
Source lumens	1041 lm
Delivered lumens	625 lm
Consumption	8.5 W
Luminaire efficacy	73 lm/W
Colour temperature	2700 K
Standard Deviation of Colour Matching	2 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

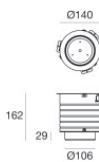
UGR axial	15.4
UGR transversal	15.4
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	20°
Light distribution simmetry	Symmetrical



Guardian_J | Downlights | Accessories
81918M20



Outer casing
installation position: ceiling; type of installation: masonry .
Material: Grey.

Code
99673