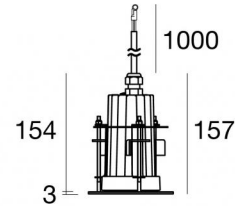




Downlights | 198-264 V
1 arrayLED 8 W DC - 8.5 W AC | CRI 80
81894N30



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	8 W DC
Total Power	8.5 W
Source lumens	1114 lm
Nominal input voltage	220 - 240 V AC
Input voltage range	198 - 264 V AC
Frequency	50 - 60 Hz
CCT / Tone	4000 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	No
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
Optics technology	Honey comb
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	White
Processing	Open pore anodizing + Powder Coating

Cables Electrification

Cable connector	No
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Downlights | 198-264 V | 1 arrayLED 8 W DC - 8.5 W AC | CRI 80 | Base
81894N30

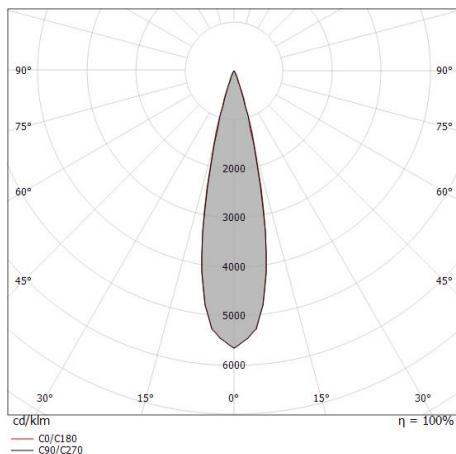
Single emission recessed downlights for outdoor application. The natural white LED light source with a flood light distribution is composed of 1 arrayed LEDs with CCT of 4000 K and a CRI 80; the source luminous flux is 1114 lm, with a 139.3 lm/W nominal luminous efficacy.

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	0.21 0.22	E(0°) 11057 E(C90) 12.0° 5234 E(C0) 12.2° 5164
1.0	0.43 0.43	E(0°) 2764 E(C90) 12.0° 1309 E(C0) 12.2° 1291
1.5	0.64 0.65	E(0°) 1229 E(C90) 12.0° 562 E(C0) 12.2° 574
2.0	0.85 0.86	E(0°) 691 E(C90) 12.0° 327 E(C0) 12.2° 323
2.5	1.06 1.08	E(0°) 442 E(C90) 12.0° 209 E(C0) 12.2° 207
3.0	1.28 1.30	E(0°) 307 E(C90) 12.0° 145 E(C0) 12.2° 143

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

— C0/C180 (Half-peak divergence: 24.4°)
— C90/C270 (Half-peak divergence: 24.0°)

Energy efficiency class

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

Illuminotechnical Features

Light Output Ratio (LOR)	43 %
Source lumens	1114 lm
Delivered lumens	489 lm
Consumption	8.5 W
Luminaire efficacy	57 lm/W
Colour temperature	4000 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

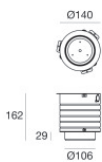
UGR axial	9.3
UGR transversal	9.9
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	24°
Light distribution simmetry	Symmetrical



Guardian | Downlights | Accessories
81894N30



Outer casing

installation position: ceiling; type of installation: masonry .

Material:Grey.

Code

99673