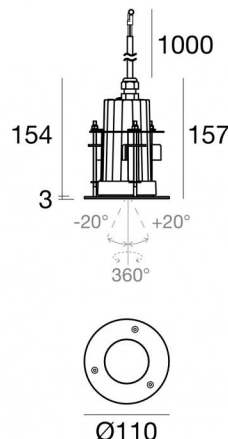




Downlights | 198-264 V  
1 arrayLED 7.2 W DC - 8.5 W AC | CRI 80

**81840N20**



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## 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	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	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	Grey
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 81840N20

Single emission recessed downlights for outdoor application. The natural white LED light source is composed of 1 arrayLEDs with CCT of 4000 K and a CRI 80; the source luminous flux is 1114 lm, with a 154.7 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.

### Energy efficiency class

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

### Illuminotechnical Features

Light Output Ratio (LOR)	60 %
Source lumens	1114 lm
Delivered lumens	675 lm
Consumption	8.5 W
Luminaire efficacy	79 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

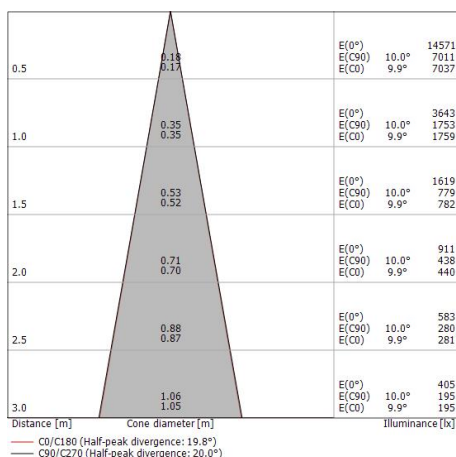
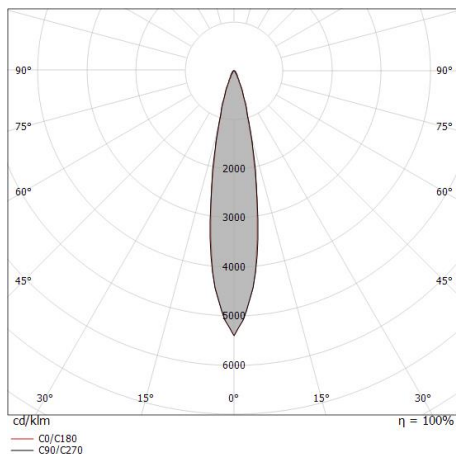
L70 B10 C0 252000h (at Tj 65 Ta 25 )

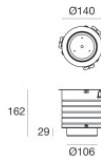
### UGR

UGR axial	15.6
UGR transversal	15.7
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	20°
Light distribution simmetry	Symmetrical





Outer casing

installation position: ceiling; type of installation: masonry .

Material:Grey.

**Code**

99673