



Ceiling Downlights | 198-264 V
1 arrayLED 33 W DC - 36 W AC | CRI 80
81888N15



Technical data	
Type	Surface
Installation position	Ceiling
Installation environment	Outdoor
Light Source	LED
Circuit structure	arrayLED
Optics	Spot
Light emission direction	downward
Nominal power	33 W DC
Total Power	36 W
Source lumens	5106 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	IP65
IK	IK08
Glow wire test	850°
Direct mounting on normally flammable surfaces	Yes
CE	Yes
Driver included	Driver
Dimmable article	DALI - PUSH DIM
Directional	No
Tilting	No
Walk-over	No
Drive-over	No
Cable included	No
Resin potting	No
Type of light emission	Single emission
Net weight	2.8 Kg
Electrostatic discharge protection	Yes
Surge protection	1 KV
Optics technology	Set-back low glare optics

Finishing casing	
Material	Die-cast Aluminium EN AB - 46100
Colour	Dark brown
Processing	Open pore anodizing + Powder Coating
Finishing diffuser	
Material	Extra clear glass
Colour	transparent
Processing	Silk-screening



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Single emission ceiling downlights for outdoor 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 80; the source luminous flux is 5106 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 dark brown finish, processed by means of open pore anodizing + powder coating; the diffuser is made of extra clear glass with a silk-screening treatment. The ingress protection degree is IP65; the total weight is of 2.8 kg.

The total absorbed power is 36 W.

The device features protection class I and can be ceiling-mounted.

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)	61 %
Source lumens	5106 lm
Delivered lumens	3159 lm
Consumption	36 W
Luminaire efficacy	87 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

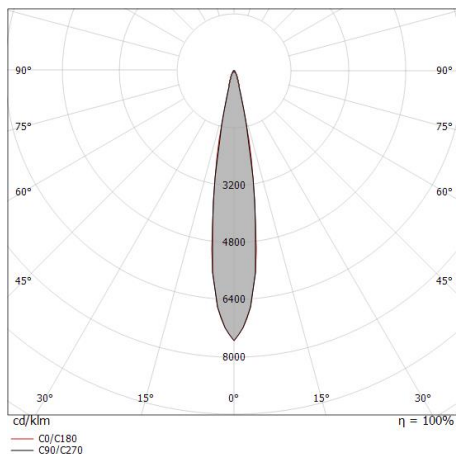
L70 B10 C0 252000h (at Tj 65 Ta 25)

UGR

UGR axial	16
UGR transversal	16
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	18°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.15 0.16	E(0°) 95293 E(C90) 8.8° 46592 E(C0) 8.9° 46156
1.0	0.31 0.31	E(0°) 23823 E(C90) 8.8° 11648 E(C0) 8.9° 11539
1.5	0.46 0.47	E(0°) 10588 E(C90) 8.8° 5177 E(C0) 8.9° 5128
2.0	0.62 0.63	E(0°) 5956 E(C90) 8.8° 2912 E(C0) 8.9° 2885
2.5	0.77 0.78	E(0°) 3812 E(C90) 8.8° 1864 E(C0) 8.9° 1846
3.0	0.93 0.94	E(0°) 2647 E(C90) 8.8° 1294 E(C0) 8.9° 1282