



Ceiling Downlights | 198-264 V  
1 arrayLED 33 W DC - 36 W AC | CRI 80  
**81885W15**



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	4976 lm
Nominal input voltage	220 - 240 V AC
Input voltage range	198 - 264 V AC
Frequency	50 - 60 Hz
CCT / Tone	3000 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	White
Processing	Open pore anodizing + Powder Coating
Finishing diffuser	
Material	Extra clear glass
Colour	transparent
Processing	Silk-screening



## Ceiling Downlights | 198-264 V | 1 arrayLED 33 W DC - 36 W AC | CRI 80 | Base 81885W15

Single emission ceiling downlights for outdoor application. The warm white LED light source with a spot light distribution is composed of 1 arrayed LEDs with CCT of 3000 K and a CRI 80; the source luminous flux is 4976 lm, with a 150.8 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a white 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)	60 %
Source lumens	4976 lm
Delivered lumens	2993 lm
Consumption	36 W
Luminaire efficacy	83 lm/W
Colour temperature	3000 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

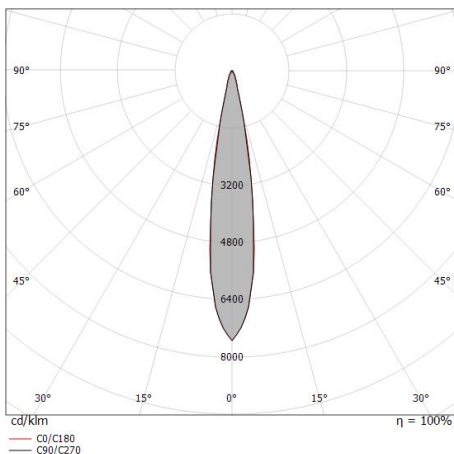
L70 B10 C0 252000h (at Tj 65 Ta 25 )

### UGR

UGR axial	15.8
UGR transversal	15.9
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°) 90305 E(C90) 8.8° 44153 E(C0) 8.9° 43740
1.0	0.31 0.31	E(0°) 22576 E(C90) 8.8° 11038 E(C0) 8.9° 10935
1.5	0.46 0.47	E(0°) 10034 E(C90) 8.8° 4906 E(C0) 8.9° 4860
2.0	0.62 0.63	E(0°) 5644 E(C90) 8.8° 2760 E(C0) 8.9° 2734
2.5	0.77 0.78	E(0°) 3612 E(C90) 8.8° 1766 E(C0) 8.9° 1750
3.0	0.93 0.94	E(0°) 2508 E(C90) 8.8° 1226 E(C0) 8.9° 1215

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

— C0/C180 (Half-peak divergence: 17.8°)  
— C90/C270 (Half-peak divergence: 17.6°)