



Ceiling Downlights | 198-264 V  
1 arrayLED 25 W DC - 28 W AC | CRI 80  
**81880M60**



Technical data	
Type	Surface
Installation position	Ceiling
Installation environment	Outdoor
Light Source	LED
Circuit structure	arrayLED
Optics	Wide Flood
Light emission direction	downward
Nominal power	25 W DC
Total Power	28 W
Source lumens	3851 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	IP65
IK	IK08
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	No
Resin potting	No
Type of light emission	Single emission
Net weight	2.8 Kg
Electrostatic discharge protection	Yes
Surge protection	5 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

## Ceiling Downlights | 198-264 V | 1 arrayLED 25 W DC - 28 W AC | CRI 80 | Base 81880M60

Single emission ceiling downlights for outdoor application. The super warm white LED light source with a wide flood light distribution is composed of 1 arrayed LEDs with CCT of 2700 K and a CRI 80; the source luminous flux is 3851 lm, with a 154.0 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 28 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)	57 %
Source lumens	3851 lm
Delivered lumens	2229 lm
Consumption	28 W
Luminaire efficacy	79 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

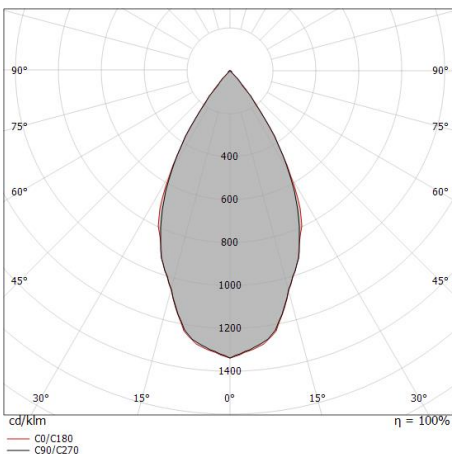
L70 B10 C0 252000h (at Tj 65 Ta 25 )

### UGR

UGR axial	19.5
UGR transversal	19.6
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	54°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.51 0.53	E(0°) 11923 E(C90) 4203 E(C0) 4124
1.0	1.03 1.06	E(0°) 2981 E(C90) 1051 E(C0) 1031
1.5	1.54 1.60	E(0°) 1325 E(C90) 467 E(C0) 458
2.0	2.06 2.13	E(0°) 745 E(C90) 263 E(C0) 258
2.5	2.57 2.66	E(0°) 477 E(C90) 168 E(C0) 165
3.0	3.08 3.19	E(0°) 331 E(C90) 117 E(C0) 115

— C0/C180 (Half-peak divergence: 56.0°)  
— C90/C270 (Half-peak divergence: 54.4°)