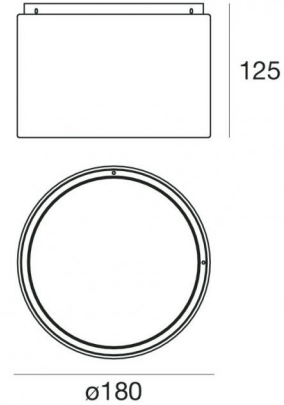




Ceiling Downlights | 198-264 V
1 arrayLED 25 W DC - 28 W AC | CRI 80
81880W60



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	4011 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	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
81880W60

Single emission ceiling downlights for outdoor application. The warm white LED light source with a wide flood light distribution is composed of 1 arrayed LEDs with CCT of 3000 K and a CRI 80; the source luminous flux is 4011 lm, with a 160.4 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	4011 lm
Delivered lumens	2323 lm
Consumption	28 W
Luminaire efficacy	82 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

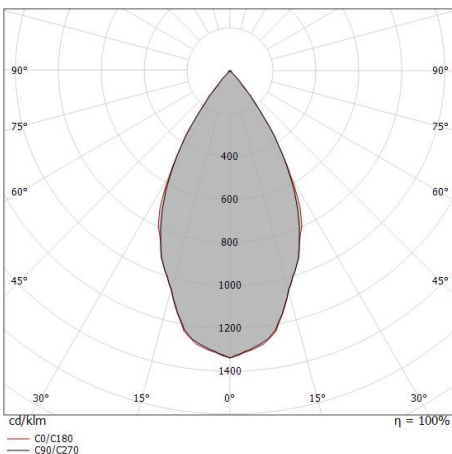
L70 B10 C0 252000h (at Tj 65 Ta 25)

UGR

UGR axial	19.7
UGR transversal	19.7
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°) 12429 E(C90) 27.2° 4382 E(C0) 28.0° 4299
1.0	1.03 1.06	E(0°) 3107 E(C90) 27.2° 1095 E(C0) 28.0° 1075
1.5	1.54 1.60	E(0°) 1381 E(C90) 27.2° 487 E(C0) 28.0° 478
2.0	2.06 2.13	E(0°) 777 E(C90) 27.2° 274 E(C0) 28.0° 269
2.5	2.57 2.66	E(0°) 497 E(C90) 27.2° 175 E(C0) 28.0° 172
3.0	3.08 3.19	E(0°) 345 E(C90) 27.2° 122 E(C0) 28.0° 119

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