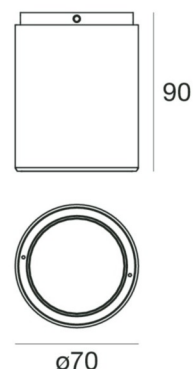




Ceiling Lights | 100-240 V | arrayLED 6.5 W 700 mA
CRI 80
81851M60



Technical data	
Type	Surface
Installation position	Ceiling
Installation environment	Outdoor
Light Source	LED
Circuit structure	arrayLED
Optics	Flood
Light emission direction	downward
Power	6.5 W
Source lumens	770 lm
Frequency	50 - 60 Hz
CCT / Tone	2700 K
Colour rendering index	80 Ra
AC / DC	AC
Energy class	A++
Safety class	1
IP	IP65
IK	IK07
Glow wire test	850°
Direct mounting on normally flammable surfaces	Yes
CE	Yes
ETL	No
Fire Rated (BS 476 PT21 compliant)	No
Operating temperature	-20 / +50
Driver included	Driver
Emergency mode	No
Motion sensor	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	0.675 Kg
Electrostatic discharge protection	4 KV
Surge protection	4 KV
Optics technology	Set-back low glare optics
Product technological characteristics	TCS
Ordinary temperature on the glass	40 °C

Finishing casing	
Material	Die-cast Aluminium EN AB - 46100
Colour	embossed white RAL 9003
Processing	Open pore anodizing + Powder Coating
Finishing diffuser	
Material	Extra clear glass - Tempered
Colour	transparent
Processing	Silk-screening

Ceiling Lights | 100-240 V | arrayLED 6.5 W 700 mA | CRI 80 | Base 81851M60

Single emission ceiling lights for outdoor application. The super warm LED light source with a flood light distribution is composed of 1 arrayed LEDs with CCT of 2700 K and a CRI 80; the source luminous flux is 770 lm, with a 118.5 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a embossed white ral 9003 finish, processed by means of open pore anodizing + powder coating; the diffuser is made of extra clear glass - tempered with a silk-screening treatment. The ingress protection degree is IP65; the total weight is of 0.675 kg.

The total absorbed power is 6.5 W.

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

Compliant with the EN 60598-1 standard and its specific provisions.

Illuminotechnical Features

Light Output Ratio (LOR)	82 %
Source lumens	770 lm
Delivered lumens	635.03 lm
Consumption	8 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
Gamut Area Index	52 GAI
Colour Rendering Index	19 R9
IES TM-30 Rf	85
IES TM-30 Rg	96
Black Body Locus	On

LED Life / Failure Ratio

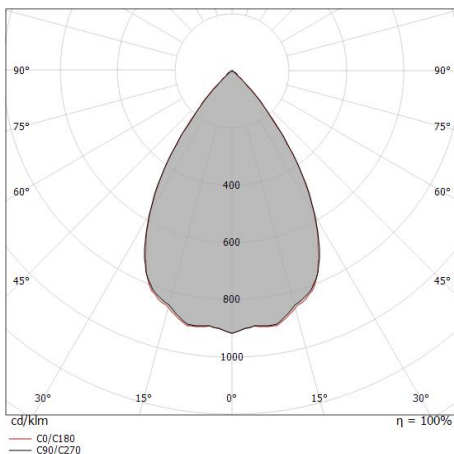
L70 B10 C0 296940h (at Tj 65 Ta 25)

UGR

UGR transversal	< 22
UGR axial	< 22
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

Light distribution simmetry	Symmetrical
C0/C180 optics	67°



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.66 0.66	E(0°) 2334 E(C90) 679 E(C0) 686
1.0	1.32 1.31	E(0°) 583 E(C90) 170 E(C0) 171
1.5	1.98 1.97	E(0°) 259 E(C90) 75 E(C0) 76
2.0	2.64 2.63	E(0°) 146 E(C90) 42 E(C0) 43
2.5	3.30 3.28	E(0°) 93 E(C90) 27 E(C0) 27
3.0	3.96 3.94	E(0°) 65 E(C90) 19 E(C0) 19

— C0/C180 (Half-peak divergence: 66.6°)
— C90/C270 (Half-peak divergence: 66.8°)

