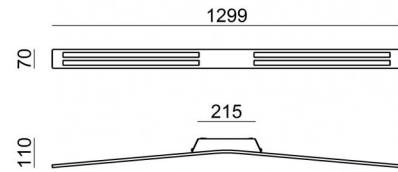




Ceiling Lights | 220-240 V  
156 topLED 45 W DC - 45 W AC | CRI 85  
**7109**



Technical data	
Construction year	2011
Type	Surface
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Optics	General Lighting
Light emission direction	downward and upward
Power	45 W
Source lumens	3241 lm
Frequency	50 - 60 Hz
CCT / Tone	3000 K
Colour rendering index	85 Ra
C.C. / C.V.	AC
Safety class	1
IP	IP40
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	Double emission
Net weight	4.300 Kg

Finishing casing	
Material	Aluminium
Colour	white
Processing	Coating

Finishing diffuser	
Material	PC
Colour	opaline



Ceiling Lights | 220-240 V | 156 topLED 45 W DC - 45 W AC | CRI 85 | Base 7109

Double emission ceiling lights for indoor application. The warm white LED light source with a general lighting light distribution is composed of 156 topLED LEDs with CCT of 3000 K and a CRI 85; the source luminous flux is 3241 lm, with a 72.0 lm/W nominal luminous efficacy.

The device body is made of aluminium and features a white finish, processed by means of coating; the diffuser is made of PC. The ingress protection degree is IP40; the total weight is of 4.300 kg.

The total absorbed power is 45 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)	74 %
Source lumens	3241 lm
Delivered lumens	2414 lm
Consumption	45 W
Luminaire efficacy	53 lm/W
Colour temperature	3000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	85 Ra
Junction temperature (lighting fixture)	80
Standard Operating Ambient Temperature	25

### LED Life / Failure Ratio

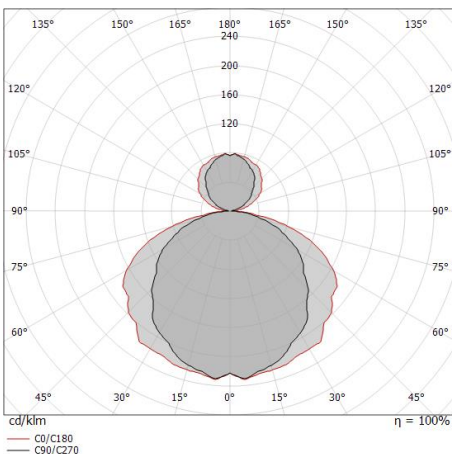
L80 B20 C0 80000h
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### UGR

UGR axial	11.2
UGR transversal	18.7
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

Light distribution simmetry	Symmetrical 2
C0/C180 optics	140°
C90/C270 optics	114°



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	1.55 2.76	E(0°) 2148 E(C90) 178 E(C0) 44
1.0	3.10 5.52	E(0°) 537 E(C90) 44 E(C0) 11
1.5	4.66 8.29	E(0°) 239 E(C90) 26 E(C0) 5
2.0	6.21 11.05	E(0°) 134 E(C90) 11 E(C0) 3
2.5	7.76 13.81	E(0°) 86 E(C90) 7 E(C0) 2
3.0	9.31 16.57	E(0°) 60 E(C90) 5 E(C0) 1

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

— C0/C180 (Half-peak divergence: 140.2°)  
— C90/C270 (Half-peak divergence: 114.4°)