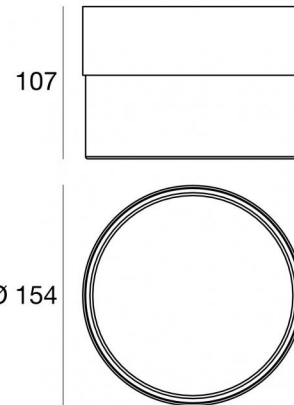




Ceiling Lights | 220-240 V
36 topLED 13 W DC - 15 W AC | CRI 90
90297



Technical data	
Type	Surface
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Optics	Diffused
Light emission direction	downward
Nominal power	13 W DC
Total Power	15 W
Source lumens	1653 lm
Voltage	220 - 240 V AC
Frequency	50 - 60 Hz
CCT / Tone	3000 K
Colour rendering index	90 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	Single emission
Net weight	1.160 Kg
Electrostatic discharge protection	No
Surge protection	No

Finishing casing

Material	Iron
Colour	Embossed black RAL 9005
Processing	Coating

Finishing diffuser

Material	Glass
Colour	Smoke Black

Ceiling Lights | 220-240 V | 36 topLED 13 W DC - 15 W AC | CRI 90 | Base 90297

Single emission ceiling lights for indoor application. The warm white LED light source with a diffused light distribution is composed of 36 topLED LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 1653 lm, with a 127.2 lm/W nominal luminous efficacy.

The device body is made of iron and features a embossed black ral 9005 finish, processed by means of coating; the diffuser is made of glass. The ingress protection degree is IP40; the total weight is of 1.160 kg.

The total absorbed power is 15 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 3 light sources of energy efficiency class E.

Illuminotechnical Features

Light Output Ratio (LOR)	50 %
Source lumens	1653 lm
Delivered lumens	828 lm
Consumption	15 W
Luminaire efficacy	55 lm/W
Colour temperature	3000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	90 Ra
Junction temperature (lighting fixture)	80
Standard Operating Ambient Temperature	25°C

LED Life / Failure Ratio

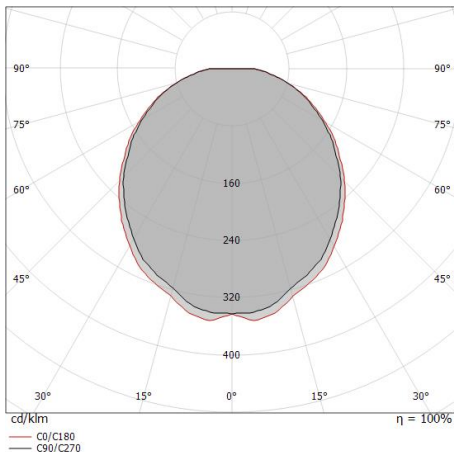
L80 B20 C0 80000h

UGR

UGR axial	23.2
UGR transversal	23.3
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	109°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	1.41	1133
1.0	2.81	283
1.5	4.22	126
2.0	5.63	71
2.5	7.04	45
3.0	8.44	31

— C0/C180 (Half-peak divergence: 109.4°)
 — C90/C270 (Half-peak divergence: 109.2°)