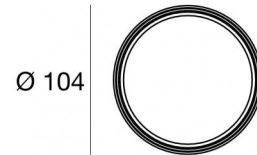
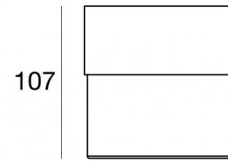




Ceiling Lights | 220-240 V
18 topLED 9 W DC - 10 W AC | CRI 90
90296



Technical data	
Type	Surface
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Optics	Diffused
Light emission direction	downward
Nominal power	9 W DC
Total Power	10 W
Source lumens	1013 lm
Voltage	220 - 240 V AC
Frequency	60 - 50 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	0.630 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 | 18 topLED 9 W DC - 10 W AC | CRI 90 | Base 90296

Single emission ceiling lights for indoor application. The warm white LED light source with a diffused light distribution is composed of 18 topLED LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 1013 lm, with a 112.6 lm/W nominal luminous efficacy.

The device body is made of iron and features an 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 0.630 kg.

The total absorbed power is 10 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)	50 %
Source lumens	1013 lm
Delivered lumens	515 lm
Consumption	10 W
Luminaire efficacy	51 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

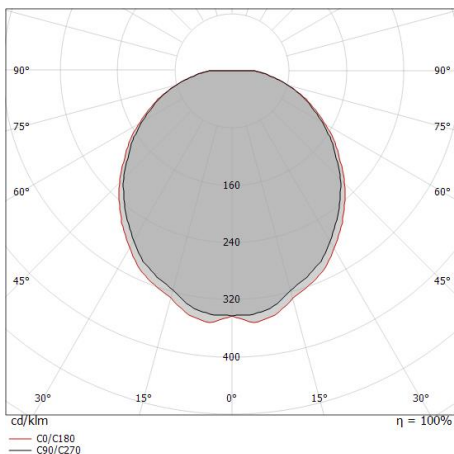
L80 B20 C0 80000h

UGR

UGR axial	24.4
UGR transversal	24.5
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	109°
Light distribution symmetry	Symmetrical



Distance [m]	Cone diameter [m]	Peak illuminance [lx]	E(0°)	E(C90)	E(C0)
0.5	1.41	705	54.6°	69	70
1.0	2.81	176	54.6°	17	18
1.5	4.22	78	54.6°	8	8
2.0	5.63	44	54.6°	4	4
2.5	7.04	28	54.6°	3	3
3.0	8.44	20	54.6°	2	2

Distance [m] Cone diameter [m] Illuminance [lx]

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