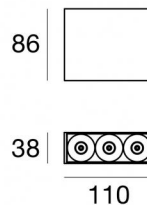




Ceiling Downlights | 220-240 V AC /176-276 V DC
3 x powerLEDs 5 W DC - 6 W AC | CRI 90



65190M45



Technical data	
Type	Surface
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	powerLEDs
Optics	Medium Wide Flood
Light emission direction	downward
Nominal power	5 W DC
Total Power	6 W
Source lumens	510 lm
Nominal input voltage	220 - 240 V AC
Input voltage range	220 - 240 V AC
Frequency	50 - 60 Hz
CCT / Tone	2700 K
Colour rendering index	90 Ra
C.C. / C.V.	AC
Safety class	2
IP	IP20
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	Yes
Cable length	0.170 m
Resin potting	No
Type of light emission	Single emission
Net weight	0.350 Kg
Electrostatic discharge protection	Yes
Surge protection	Yes
Product technological characteristics	TVS

Finishing casing	
Material	Aluminium 6060 - PC
Colour	White - black
Processing	Powder coating

Finishing diffuser	
Material	UV Resistant Polycarbonate
Colour	chrome
Processing	Metallization

Cables Electrification	
Cable connector	No

The driver contained in the device complies with IEC 61347-2-13 annex J, and can therefore be powered by centralized power systems.



Ceiling Downlights | 220-240 V AC /176-276 V DC | 3 x powerLEDs 5 W DC - 6 W AC | CRI 90 | Base 65190M45

Single emission ceiling downlights for indoor application. The super warm white LED light source is composed of 3 powered LEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 510 lm, with a 102.0 lm/W nominal luminous efficacy.

The device body is made of PC and features a black finish. The device body is made of aluminium 6060 and features a white finish, processed by means of powder coating; the diffuser is made of uv resistant polycarbonate with a metallization treatment. The ingress protection degree is IP20; the total weight is of 0.350 kg.

The total absorbed power is 6 W. The power supply cable is included and features a 0.170 m length.

The device features protection class II 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 F.

Illuminotechnical Features

Light Output Ratio (LOR)	61 %
Source lumens	510 lm
Delivered lumens	314 lm
Consumption	6 W
Luminaire efficacy	52 lm/W
Colour temperature	2700 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	90 Ra

Standard Operating Ambient Temperature -20 / +50°C

Ordinary temperature on the glass 40°C

LED Life / Failure Ratio

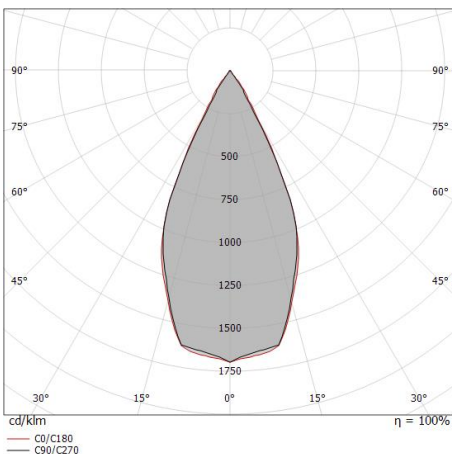
L70 B20 C0 214455h (at Tj 60 Ta 25)

UGR

UGR axial	9.2
UGR transversal	10.4
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	49°
Light distribution symmetry	Symmetrical



Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.46	E(0°) 2123 E(C0) 803
1.0	0.92	E(0°) 531 E(C0) 201
1.5	1.38	E(0°) 236 E(C0) 89
2.0	1.84	E(0°) 133 E(C0) 50
2.5	2.30	E(0°) 85 E(C0) 32
3.0	2.76	E(0°) 59 E(C0) 22

Distance [m] Cone diameter [m] Illuminance [lx]
— C0/C180 (Half-peak divergence: 49.4°)