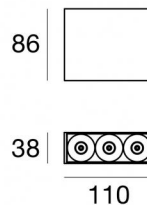




Ceiling Downlights | 220-240 V AC /176-276 V DC  
3 x powerLEDs 5 W DC - 6 W AC | CRI 80



**65190N30**



Technical data	
Type	Surface
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	powerLEDs
Optics	Medium Flood
Light emission direction	downward
Nominal power	5 W DC
Total Power	6 W
Source lumens	609 lm
Nominal input voltage	220 - 240 V AC
Input voltage range	220 - 240 V AC
Frequency	50 - 60 Hz
CCT / Tone	4000 K
Colour rendering index	80 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.



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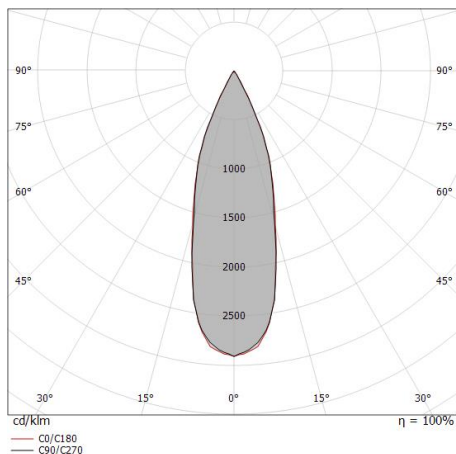
Single emission ceiling downlights for indoor application. The natural white LED light source with a medium flood light distribution is composed of 3 powered LEDs with CCT of 4000 K and a CRI 80; the source luminous flux is 609 lm, with a 121.8 lm/W nominal luminous efficacy.

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.



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.29 0.30	E(0°) 6617 E(C90) 2932 E(C0) 2910
1.0	0.58 0.60	E(0°) 1654 E(C90) 733 E(C0) 728
1.5	0.87 0.90	E(0°) 735 E(C90) 326 E(C0) 323
2.0	1.16 1.20	E(0°) 414 E(C90) 183 E(C0) 182
2.5	1.45 1.50	E(0°) 265 E(C90) 117 E(C0) 116
3.0	1.74 1.80	E(0°) 184 E(C90) 81 E(C0) 81

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

— C0/C180 (Half-peak divergence: 33.4°)  
— C90/C270 (Half-peak divergence: 32.4°)

### Energy efficiency class

This product contains a light source of energy efficiency class E.

### Illuminotechnical Features

Light Output Ratio (LOR)	93 %
Source lumens	609 lm
Delivered lumens	569 lm
Consumption	6 W
Luminaire efficacy	94 lm/W
Colour temperature	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	80 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	8.3
UGR transversal	8.1
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	32°
Light distribution simmetry	Symmetrical