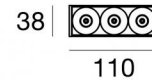




Ceiling Downlights | 220-240 V AC /176-276 V DC  
 3 x powerLEDs 5 W DC - 6 W AC | CRI 80  
**65190N15**



Technical data	
Type	Surface
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	powerLEDs
Optics	Spot
Light emission direction	downward
Nominal power	5 W DC
Total Power	6 W
Source lumens	681 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



Ceiling Downlights | 220-240 V AC /176-276 V DC | 3 x powerLEDs 5 W DC - 6 W AC | CRI 80 | Base 65190N15

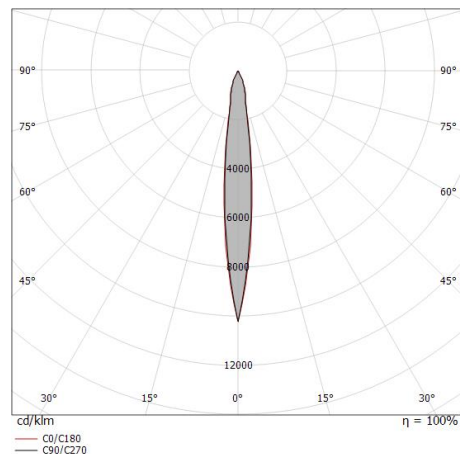
Single emission ceiling downlights for indoor application. The natural white LED light source with a spot light distribution is composed of 3 powered LEDs with CCT of 4000 K and a CRI 80; the source luminous flux is 681 lm, with a 136.2 lm/W nominal luminous efficacy.

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	0.11 0.11	E(0°) 19120 E(C90) 6.0° 9458 E(C0) 6.4° 9458
1.0	0.21 0.22	E(0°) 4780 E(C90) 6.0° 2364 E(C0) 6.4° 2364
1.5	0.32 0.34	E(0°) 2124 E(C90) 6.0° 1051 E(C0) 6.4° 1051
2.0	0.42 0.45	E(0°) 1195 E(C90) 6.0° 591 E(C0) 6.4° 591
2.5	0.53 0.56	E(0°) 765 E(C90) 6.0° 378 E(C0) 6.4° 378
3.0	0.63 0.67	E(0°) 531 E(C90) 6.0° 263 E(C0) 6.4° 263

— C0/C180 (Half-peak divergence: 12.8°)  
— C90/C270 (Half-peak divergence: 12.0°)

### Energy efficiency class

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

### Illuminotechnical Features

Light Output Ratio (LOR)	68 %
Source lumens	681 lm
Delivered lumens	468 lm
Consumption	6 W
Luminaire efficacy	78 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	7.4
UGR transversal	8.6
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	12°
Light distribution simmetry	Symmetrical