



Ceiling Downlights | 176-264 V
1 arrayLED 7.3 W DC - 9 W AC | CRI 90
76088N10



| Technical data | |
|--|---------------------------|
| Type | Surface |
| Installation position | Ceiling |
| Installation environment | Indoor |
| Light Source | LED |
| Circuit structure | arrayLED |
| Optics | Spot |
| Light emission direction | downward |
| Nominal power | 7.3 W DC |
| Total Power | 9 W |
| Source lumens | 1191 lm |
| Nominal input voltage | 220 - 240 V AC |
| Input voltage range | 176 - 264 V AC |
| Frequency | 50 - 60 Hz |
| CCT / Tone | 4000 K |
| Colour rendering index | 90 Ra |
| C.C. / C.V. | AC |
| Safety class | 2 |
| IP | IP40 |
| Optical compartment IP | IP65 |
| IK | IK05 |
| 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 | 0.70 Kg |
| Electrostatic discharge protection | Yes |
| Surge protection | 0.5 KV |
| Optics technology | Set-back low glare optics |

| Finishing casing | |
|--------------------|---------------------------------|
| Material | Aluminium 6060 - Aluminium 6060 |
| Colour | Black - 5G 9005 Black |
| Processing | Powder coating - Powder coating |
| Finishing diffuser | |
| Material | Extra clear glass |
| Colour | transparent |



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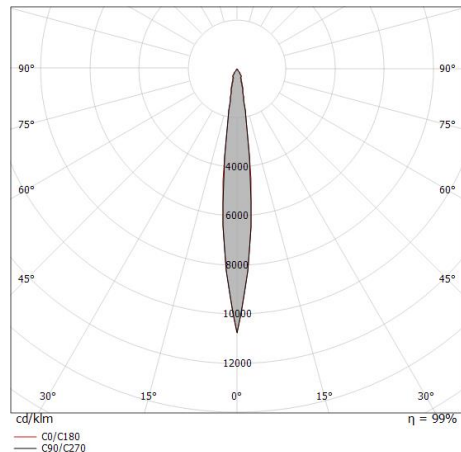
Single emission ceiling downlights for indoor application. The natural white LED light source with a spot light distribution is composed of 1 arrayed LEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 1191 lm, with a 163.2 lm/W nominal luminous efficacy.

The device body is made of aluminium 6060 and features a black finish, processed by means of powder coating. The device body is made of aluminium 6060 and features a 5g 9005 black finish, processed by means of powder coating; the diffuser is made of extra clear glass. The ingress protection degree is IP40; the total weight is of 0.70 kg.

The total absorbed power is 9 W.

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°) 37821 E(C90) 6.1° 18595 E(C0) 6.2° 18585 |
| 1.0 | 0.21 0.22 | E(0°) 9455 E(C90) 6.1° 4649 E(C0) 6.2° 4646 |
| 1.5 | 0.32 0.33 | E(0°) 4202 E(C90) 6.1° 2066 E(C0) 6.2° 2065 |
| 2.0 | 0.43 0.43 | E(0°) 2364 E(C90) 6.1° 1162 E(C0) 6.2° 1162 |
| 2.5 | 0.53 0.54 | E(0°) 1513 E(C90) 6.1° 744 E(C0) 6.2° 743 |
| 3.0 | 0.64 0.65 | E(0°) 1051 E(C90) 6.1° 517 E(C0) 6.2° 516 |

Energy efficiency class

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

Illuminotechnical Features

| | |
|--|----------------|
| Light Output Ratio (LOR) | 73 % |
| Source lumens | 1191 lm |
| Delivered lumens | 878 lm |
| Consumption | 9 W |
| Luminaire efficacy | 97 lm/W |
| Colour temperature | 4000 K |
| Standard Deviation of Colour Matching | 2 Step MacAdam |
| Colour rendering index | 90 Ra |
| Colour Rendering Index | 60 R9 |
| Black Body Locus | On |
| Standard Operating Ambient Temperature | -20 / +50°C |
| Ordinary temperature on the glass | 35°C |

LED Life / Failure Ratio

L70 B10 C0 252000h (at Tj 65 Ta 25)

UGR

| | |
|-------------------|----------|
| UGR axial | 13.4 |
| UGR transversal | 13.5 |
| X=4H Y=8H | S=0.25H |
| Reflection factor | 70/50/20 |

OPTICAL

| | |
|-----------------------------|-------------|
| C0/C180 optics | 12° |
| Light distribution symmetry | Symmetrical |

COLOR VECTOR GRAPHIC

