



CoreLine Downlight

DN130B LED10S/830 PSED-E IP44 II WH

CoreLine Downlight WH, LED Module, system flux 1000 lm, 830 warm white, Power supply unit with DALI interface, DC-compatible, external, Safety class II, Wire-protected, splash-proof, White

The CoreLine Downlight range of recessed luminaires is designed to replace CFL-ni/CFL-i based downlight luminaires. Their attractive TCO helps customers to make the switch to LED. These luminaires create a natural lighting effect for use in general lighting applications. They also deliver instant energy savings and have a much longer lifetime, creating a real value-for-money and environmentally friendly solution. They are easy to install thanks to their standard cut-out size and push-in connectors.

Product data

| General Information | | Lighting Technology | |
|--------------------------|--|----------------------------------|---|
| Lamp family code | LED10S [LED Module, system flux 1000 lm] | Value ladder | Performance |
| Light source replaceable | No | CE mark | Yes |
| Number of gear units | Unit | Warranty period | 5 years |
| Driver included | Yes | Flammability mark | For mounting on normally flammable surfaces |
| Remarks | *- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value. | ENEC mark | - |
| Product family code | DN130B [CoreLine Downlight WH] | Glow-wire test | Temperature 850 °C, duration 5 s |
| | | EU RoHS compliant | Yes |
| | | Light Technical | |
| | | Luminous Flux | 1,100 lm |
| | | Correlated Colour Temperature | 3000 K |
| | | Luminous efficacy (rated) (nom.) | 100 lm/W |
| | | Colour rendering index (CRI) | 80 |

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|-----------------------------|----------------------------|
| Beam angle of light source | 120 degree(s) |
| Light source colour | 830 warm white |
| Optic type | Wide beam |
| Optical cover type | Acrylic bowl/cover frosted |
| Luminaire light beam spread | 90° |
| Unified Glare Rating (CEN) | 28 |

Operating and Electrical

| | |
|--|-------------------------------|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 20.4 A |
| Inrush time | 195 ms |
| Power Consumption | 11 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Plug-in connector 3-pole Wago |
| Cable | - |
| Number of products on MCB of 16 A type B | 24 |

Temperature

| | |
|---------------------------|---------------|
| Ambient temperature range | -10 to +40 °C |
|---------------------------|---------------|

Controls and Dimming

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|-------------------------------|--|
| Dimmable | Yes |
| Driver/power unit/transformer | Power supply unit with DALI interface, DC-compatible, external |
| Control interface | DALI |
| Constant light output | No |

Mechanical and Housing

| | |
|-----------------------------|---------------|
| Housing material | Polycarbonate |
| Reflector material | Polycarbonate |
| Optic material | Aluminium |
| Optical cover/lens material | Polycarbonate |
| Fixation material | Steel |
| Housing Colour | White |
| Optical cover/lens finish | Frosted |

| | |
|------------------|--------|
| Overall height | 99 mm |
| Overall diameter | 166 mm |

Approval and Application

| | |
|------------------------------|-------------------------------------|
| Ingress protection code | IP44 [Wire-protected, splash-proof] |
| Mech. impact protection code | IK02 [0.2 J standard] |
| Protection class IEC | Safety class II |

Initial Performance (IEC Compliant)

| | |
|-----------------------------|----------------------|
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.43, 0.40) SDCM <5 |
| Power consumption tolerance | +/-10% |

Over Time Performance (IEC Compliant)

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|--|-----|
| Control gear failure rate at median useful life 50,000 h | 5 % |
| Lumen maintenance at median useful life* 50,000 h | L70 |

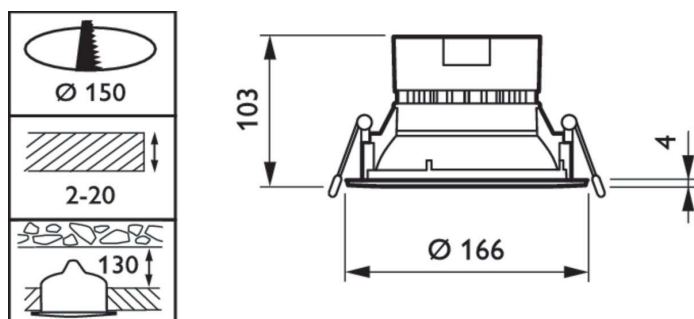
Application Conditions

| | |
|------------------------------------|-------|
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level | 1% |
| Suitable for random switching | Yes |

Product Data

| | |
|-----------------------------------|-------------------------------------|
| Order product name | DN130B LED10S/830 PSED-E IP44 II WH |
| Full product name | DN130B LED10S/830 PSED-E IP44 II WH |
| Full EOC | 871869687883500 |
| Order code | 87883500 |
| Material no. (12 NC) | 910500458080 |
| SAP numerator – quantity per pack | 1 |
| EAN/UPC – Product/Case | 8718696878835 |
| Numerator – packs per outer box | 1 |
| EAN/UPC – Case | 8718696878835 |

Dimensional drawing



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