# CoreLine Downlight

## DN130B LED10S/840 PSED-E IP44 II WH

CoreLine Downlight WH, LED Module, system flux 1000 lm, 840 neutral 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.
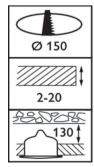
## Product data

### General Information

| | |
|---|---|
| Lamp family code | LED10S [LED Module, system flux 1000 lm] |
| Light source replaceable | No |
| Number of gear units | Unit |
| Driver included | Yes |
| 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. |
| Product family code | DN130B [CoreLine Downlight WH] |

| | |
|---|---|
| Lighting Technology | LED |
| Value ladder | Performance |
| CE mark | Yes |
| Warranty period | 5 years |
| Flammability mark | For mounting on normally flammable surfaces |
| ENEC mark | – |
| Glow-wire test | Temperature 850 °C, duration 5 s |
| EU RoHS compliant | Yes |

### Light Technical

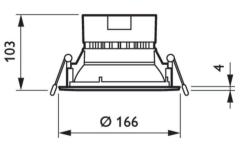| | |
|---|---|
| Luminous Flux | 1,100 lm |
| Correlated Colour Temperature | 4000 K |
| Luminous efficacy (rated) (nom.) | 100 lm/W |
| Colour rendering index (CRI) | 80 |

# CoreLine Downlight

| | |
|---|---|
| Beam angle of light source | 120 degree(s) |
| Light source colour | 840 neutral 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 ℃ |

## Controls and Dimming

| | |
|---|---|
| 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 | (0.38, 0.37) SDCM <5 |
| Power consumption tolerance | +/–10% |

## Over Time Performance (IEC Compliant)

| | |
|---|---|
| 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 ℃ |
| Maximum dim level | 1% |
| Suitable for random switching | Yes |

## Product Data

| | |
|---|---|
| Order product name | DN130B LED10S/840 PSED-E IP44 II WH |
| Full product name | DN130B LED10S/840 PSED-E IP44 II WH |
| Full EOC | 871869687884200 |
| Order code | 87884200 |
| Material no. (12 NC) | 910500458081 |
| SAP numerator – quantity per pack | 1 |
| EAN/UPC — Product/Case | 8718696878842 |
| Numerator – packs per outer box | 1 |
| EAN/UPC – Case | 8718696878842 |

## Dimensional drawing