![Philips Lighting logo]

# CoreLine Downlight

## DN130B LED10S/830 PSU IP44 PI6 WH

CoreLine Downlight WH, LED Module, system flux 1000 lm, 830 warm white, Power supply unit (On/Off), Wire-protected, splash-proof, Push-in connector 6-pole, White

CoreLine Downlight delivers on the CoreLine promise of innovative, easy to use and high-quality recessed downlights. The CoreLine Downlight range is suitable for one-to-one conventional luminaire replacements, with an attractive TCO that helps customers to make the switch to LED. These recessed downlights create uniform light distribution 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. CoreLine DN140B recessed downlights are easy to install thanks to their standard cut-out size and push-in connectors. An InterAct Ready option with integrated wireless communications is available in this family, which can be used with InterAct gateways, sensors and software.

## Product data

### General Information

| | | | |
|---|---|---|---|
| **Lamp family code** | LED10S [LED Module, system flux 1000 lm] | **Product family code** | DN130B [CoreLine Downlight WH] |
| **Light source replaceable** | No | **Lighting Technology** | LED |
| **Number of gear units** | 1 unit | **Value ladder** | Performance |
| **Driver included** | Yes | **CE mark** | Yes |
| **Remarks** | *-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value. | **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 |

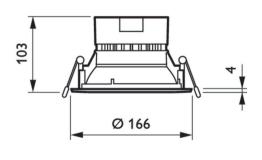# CoreLine Downlight

## Light Technical

| | |
|---|---|
| Luminous Flux | 1,100 lm |
| Correlated Color Temperature (Nom) | 3000 K |
| Luminous Efficacy (rated) (Nom) | 100 lm/W |
| Color rendering index (CRI) | 80 |
| Number of light sources | 1 |
| Beam angle of light source | 120 degree(s) |
| Light source color | 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 | 16 A |
| Inrush time | 0.5 ms |
| Power Consumption | 11 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Push-in connector 6-pole |
| Cable | – |
| Number of products on MCB of 16 A type B | 30 |

## Temperature

| | |
|---|---|
| Ambient temperature range | –10 to +40 ℃ |

## Controls and Dimming

| | |
|---|---|
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Constant light output | No |

## Mechanical and Housing

| | |
|---|---|
| Housing Material | Polycarbonate |
| Reflector material | Polycarbonate |
| Optic material | Aluminum |
| Optical cover material | Polycarbonate |

| | |
|---|---|
| Fixation material | Steel |
| Housing Color | White |
| Optical cover 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 I |

## 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)

| | |
|---|---|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Lumen maintenance at median useful life* 50000 h | L70 |

## Application Conditions

| | |
|---|---|
| Performance ambient temperature Tq | 25 ℃ |
| Suitable for random switching | Yes |

## Product Data

| | |
|---|---|
| Order product name | DN130B LED10S/830 PSU IP44 PI6 WH |
| Full product name | DN130B LED10S/830 PSU IP44 PI6 WH |
| Full product code | 871869687881100 |
| Order code | 910500458078 |
| Material Nr. (12NC) | 910500458078 |
| Numerator – Quantity Per Pack | 1 |
| EAN/UPC – Product/Case | 8718696878811 |
| Numerator – Packs per outer box | 1 |
| EAN/UPC – Case | 8718696878811 |

## Dimensional drawing

# CoreLine Downlight