

# CoreLine SlimDownlight

## DN135B LED20S/840 PSU II WH

LED Module, system flux 2000 lm, 840 neutral white, Power supply unit (On/Off), Safety class II, White

CoreLine slimdownlight delivers on the CoreLine promise of innovative, easy-to-use and high-quality indoor LED downlights. The CoreLine slim downlight is an innovative range of recessed and surface-mounted luminaires. It is designed to provide uniform lighting across multiple application areas. With instant energy-savings and a longer lifetime, this is an environmentally friendly and cost-saving solution. Its MultiColorTemp feature offers a choice of two colour temperatures in a single luminaire. This makes it easy to select the right product, gives you the flexibility respond to customer preferences on site, and means fewer product codes in stock. Simple and easy installation means that our slim downlight fits the same size cut-out, while the minimal built-in depth of 34 mm makes this product an ideal space-saving solution, especially for projects with limited fitting space. InterAct Ready option with integrated wireless communications in this family is available, to be used with InterAct gateways, sensors and software.

### Product data

| General Information | |
|---|---|
| **Lamp family code** | LED20S [LED Module, system flux 2000 lm] |
| **Light source replaceable** | No |
| **Number of gear units** | Unit |
| **Gear** | - |
| **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. |
| **Lighting Technology** | LED |
| **Value ladder** | Performance |

# CoreLine SlimDownlight

| | |
|---|---|
| **CE mark** | Yes |
| **Warranty period** | 5 years |
| **Flammability mark** | - |
| **ENEC mark** | - |
| **Glow-wire test** | Temperature 650 °C, duration 5 s |
| **EU RoHS compliant** | Yes |

## Light Technical

| | |
|---|---|
| **Luminous Flux** | 2,000 lm |
| **Correlated Colour Temperature** | 4000 K |
| **Luminous efficacy (rated) (nom.)** | 71 lm/W |
| **Colour rendering index (CRI)** | >80 |
| **Beam angle of light source** | - degree(s) |
| **Light source colour** | 840 neutral white |
| **Optic type** | - |
| **Optical cover type** | Opal |
| **Luminaire light beam spread** | 135° |
| **Unified Glare Rating (CEN)** | 28 |

## Operating and Electrical

| | |
|---|---|
| **Input Voltage** | 220 to 240 V |
| **Line Frequency** | 50 to 60 Hz |
| **Inrush current** | 17 A |
| **Inrush time** | 250 ms |
| **Power Consumption** | 28 W |
| **Power Factor (Fraction)** | 0.9 |
| **Connection** | Push-in connector with 2 poles and pull relief |
| **Cable** | - |
| **Number of products on MCB of 16 A type B** | 32 |

## Temperature

| | |
|---|---|
| **Ambient temperature range** | 0 to +35 °C |

## Controls and Dimming

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

## Mechanical and Housing

| | |
|---|---|
| **Housing material** | Aluminium |
| **Reflector material** | Polycarbonate |
| **Optic material** | Polycarbonate |
| **Optical cover/lens material** | Polycarbonate |
| **Fixation material** | Aluminium |
| **Housing Colour** | White |
| **Optical cover/lens finish** | Frosted |
| **Overall height** | 20 mm |
| **Overall diameter** | 215 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, 0.38) 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

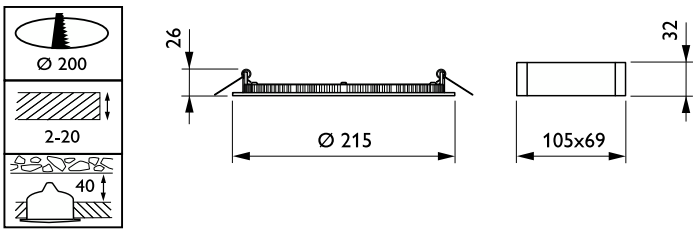
| | |
|---|---|
| **Performance ambient temperature Tq** | 25 °C |
| **Suitable for random switching** | Yes |

## Product Data

| | |
|---|---|
| **Order product name** | DN135B LED20S/840 PSU II WH |
| **Full product name** | DN135B LED20S/840 PSU II WH |
| **Full EOC** | 871869607045199 |
| **Order code** | 07045199 |
| **Material no. (12 NC)** | 910503910113 |
| **SAP numerator – quantity per pack** | 1 |
| **EAN/UPC — Product/Case** | 8718696070451 |
| **Numerator – packs per outer box** | 12 |
| **EAN/UPC - Case** | 8718696070536 |

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## Dimensional drawing




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