



# 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 is a range of ultra-thin recessed luminaires designed to replace downlight luminaires based on CFL-ni/CFL-I lamp technology. The product's attractive TCO makes it easy for customers to make the switch to LED. CoreLine SlimDownlight delivers a natural 'surface of light' effect for use in general lighting applications. It also offers instant energy savings and a much longer lifetime, making it a real value-for-money and environmentally friendly solution. Installation is easy, as the luminaire fits the same size of cut-out and has an extremely small build-in depth.

### Product data

| General Information      |   |                                    |                                  |
|--------------------------|---|------------------------------------|----------------------------------|
| Lamp family code         | LED20S [LED Module, system flux 2000 lm]  | Service tag                        | Yes                              |
| Light source replaceable | No  | Lighting Technology                | LED                              |
| Number of gear units     | 1 unit  | Value ladder                       | Performance                      |
| Gear                     | -   | CE mark                            | Yes                              |
| Driver included          | Yes   | Warranty period                    | 5 years                          |
| Remarks                  | *-Per Lighting Europe guidance paper<br>"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. | 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 Color Temperature (Nom) | 4000 K                           |

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|                                 |                   |
|---------------------------------|-------------------|
| Luminous Efficacy (rated) (Nom) | 71 lm/W           |
| Color rendering index (CRI)     | >80               |
| Number of light sources         | 1                 |
| Beam angle of light source      | - degree(s)       |
| Light source color              | 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       | Aluminum      |
| Reflector material     | Polycarbonate |
| Optic material         | Polycarbonate |
| Optical cover material | Polycarbonate |
| Fixation material      | Aluminum      |

|                      |         |
|----------------------|---------|
| Housing Color        | White   |
| Optical cover 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 50000 h | 5 % |
| Lumen maintenance at median useful life* 50000 h        | L70 |

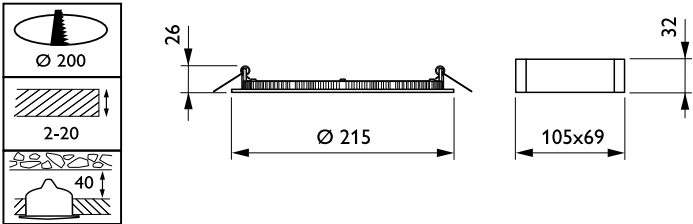
Application Conditions

|                                    |       |
|------------------------------------|-------|
| 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 product code               | 871869607045199             |
| Order code                      | 07045199                    |
| Material Nr. (12NC)             | 910503910113                |
| Numerator - Quantity Per Pack   | 1                           |
| EAN/UPC - Product/Case          | 8718696070451               |
| Numerator - Packs per outer box | 12                          |
| EAN/UPC - Case                  | 8718696070536               |

Dimensional drawing



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