



# CoreLine SlimDownlight

## DN145B LED20S/830\_840 PSD WH

CoreLine SlimDownlight, 18 W, 2000 lm, 2100 lm, 3000 K, 4000 K, DALI, Textured

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                |                                   |
|------------------------------------|-----------------------------------|
| Number of gear units               | 1 unit                            |
| Driver included                    | Yes                               |
| Value ladder                       | Performance                       |
| Warranty period                    | 5 years                           |
| Sustainability rating              | -                                 |
| Light Technical                    |                                   |
| Luminous Flux                      | 2,000 2,100 lm                    |
| Correlated Color Temperature (Nom) | 3000 4000 K                       |
| Luminous Efficacy (rated) (Nom)    | 117 111 lm/W                      |
| Color rendering index (CRI)        | >80                               |
| Light source color                 | 830 warm white, 840 neutral white |

| Optic type                  | Beam angle 90° Symmetrical |
|-----------------------------|----------------------------|
| Luminaire light beam spread | 90°                        |
| Unified glare rating CEN    | 28                         |
| Operating and Electrical    |                            |
| Input Voltage               | 220 to 240 V               |
| Line Frequency              | 50 or 60 Hz                |
| Inrush current              | 16.5 A                     |
| Inrush time                 | 0.177 ms                   |
| Power Consumption           | 18 W                       |
| Power Factor (Fraction)     | 0.9                        |
| Connection                  | Push-in connector 8-pole   |
| Cable                       | -                          |

CoreLine SlimDownlight

|                                          |                 |
|------------------------------------------|-----------------|
| Number of products on MCB of 16 A type B | 36              |
| Suitable for random switching            | No              |
| Protection class IEC                     | Safety class II |

Controls and Dimming

|                               |                                                |
|-------------------------------|------------------------------------------------|
| Dimmable                      | Yes                                            |
| Driver/power unit/transformer | Power supply unit with DALI interface external |
| Control interface             | DALI                                           |
| Constant light output         | No                                             |
| DALI Standard                 | DALI-2™                                        |

Mechanical and Housing

|                              |                         |
|------------------------------|-------------------------|
| Housing Material             | Aluminum die-cast       |
| Reflector material           | Polycarbonate           |
| Optic material               | Polymethyl methacrylate |
| Optical cover material       | Polycarbonate           |
| Fixation material            | -                       |
| Housing Color                | White                   |
| Optical cover finish         | Textured                |
| Overall length               | 218 mm                  |
| Overall height               | 30 mm                   |
| Overall diameter             | 218 mm                  |
| Ingress protection code      | IP20(IP44 front)        |
| Mech. impact protection code | IK03 [0.3 J]            |
| Net Weight (Piece)           | 0.550 kg                |

Approval and Application

|                   |                                             |
|-------------------|---------------------------------------------|
| Glow-wire test    | Temperature 650 °C, duration 30 s           |
| Flammability mark | For mounting on normally flammable surfaces |

|                                    |               |
|------------------------------------|---------------|
| CE mark                            | Yes           |
| ENEC mark                          | ENEC mark     |
| EU RoHS compliant                  | Yes           |
| Performance ambient temperature Tq | 25 °C         |
| Ambient temperature range          | -20 to +40 °C |

Initial Performance (IEC Compliant)

|                             |                                        |
|-----------------------------|----------------------------------------|
| Luminous flux tolerance     | -10% / +10%                            |
| Initial chromaticity        | (0.43,0.40) SDCM<3; (0.38,0.38) SDCM<3 |
| Power consumption tolerance | +/-10%                                 |

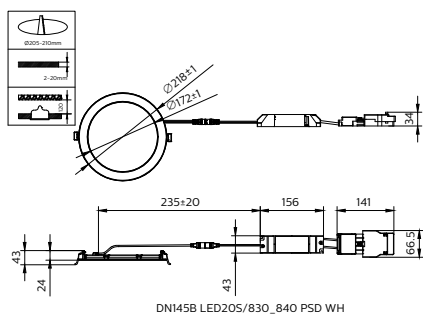
Over Time Performance (IEC Compliant)

|                                                                     |     |
|---------------------------------------------------------------------|-----|
| Control gear failure rate at median useful life                     | 5 % |
| 50000 h                                                             |     |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h | L80 |

Product Data

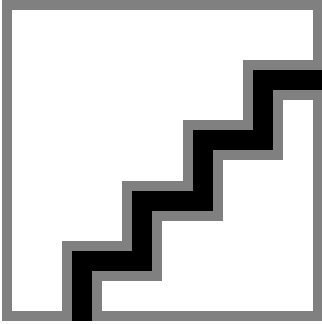
|                                 |                              |
|---------------------------------|------------------------------|
| Order product name              | DN145B LED20S/830_840 PSD WH |
| Full product name               | DN145B LED20S/830_840 PSD WH |
| Full product code               | 872110331700199              |
| Order code                      | 31700199                     |
| Material Nr. (12NC)             | 911401894787                 |
| Numerator - Quantity Per Pack   | 1                            |
| EAN/UPC - Product/Case          | 8721103317001                |
| Numerator - Packs per outer box | 20                           |
| EAN/UPC - Case                  | 8721103317155                |

Dimensional drawing



## CoreLine SlimDownlight

### Photometric data



Polar Normal (separate) - null - 911401894787

