



# CoreLine Downlight

## DN140B LED10S/840 PSU WR PI6

CoreLine Downlight, 9.5 W, D150 mm, 1100 lm, 4000 K, White reflector, Frosted, IP20

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      |  |                                  |   |
|--------------------------|--|----------------------------------|---|
| Light source replaceable | No   | Flammability mark                | For mounting on normally flammable surfaces |
| Number of gear units     | Unit   | ENEC mark                        | -   |
| Driver included          | Yes  | Glow-wire test                   | Temperature 850 °C, duration 30 s           |
| 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. | EU RoHS compliant                | Yes   |
|                          |  | Light Technical                  |   |
| Lighting Technology      | LED  | Luminous Flux                    | 1,100 lm                                    |
| Value ladder             | Performance  | Saturated Red (R9)               | <50   |
| CE mark                  | Yes  | Correlated Colour Temperature    | 4000 K                                      |
| Warranty period          | 5 years  | Luminous efficacy (rated) (nom.) | 115 lm/W                                    |
|                          |  | Colour rendering index (CRI)     | ≥80   |
|                          |  | Flickering value (PstLM)         | 1   |
|                          |  | Stroboscopic effect              | 0.4   |
|                          |  | Beam angle of light source       | 120 degree(s)                               |
|                          |  | Light source colour              | 840 neutral white                           |

## CoreLine Downlight

|                             |     |
|-----------------------------|-----|
| Optic type                  | -   |
| Luminaire light beam spread | 60° |
| Unified Glare Rating (CEN)  | 25  |

### Operating and Electrical

|  |                          |
|--|--------------------------|
| Input Voltage                            | 220-240 V                |
| Line Frequency                           | 50 to 60 Hz              |
| Initial CLO power consumption            | - W                      |
| Average CLO power consumption            | - W                      |
| End CLO power consumption                | - W                      |
| Inrush current                           | 2.2 A                    |
| Inrush time                              | 0.045 ms                 |
| Power Consumption                        | 9.5 W                    |
| Power Factor (Fraction)                  | 0.95                     |
| Connection                               | Push-in connector 6-pole |
| Cable                                    | -                        |
| Number of products on MCB of 16 A type B | 24                       |

### Temperature

|                           |               |
|---------------------------|---------------|
| Ambient temperature range | -20 to +40 °C |
|---------------------------|---------------|

### 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              | Polycarbonate   |
| Optical cover/lens material | Polycarbonate   |
| Fixation material           | Steel           |
| Housing Colour              | White           |
| Optical cover/lens finish   | Frosted         |
| Reflector finish            | White reflector |
| Overall height              | 82 mm           |
| Overall diameter            | 162 mm          |

### Approval and Application

|                              |   |
|------------------------------|---|
| Ingress protection code      | IP20 [Finger-protected]                           |
| Mech. impact protection code | IK02 [0.2 J standard]                             |
| Sustainability rating        | -   |
| Protection class IEC         | Safety class I                                    |
| Photobiological risk         | Photobiological risk group 1 @200mm to<br>EN62778 |

### Initial Performance (IEC Compliant)

|                             |                      |
|-----------------------------|----------------------|
| Luminous flux tolerance     | +/-10%               |
| Initial chromaticity        | (0.381,0.379) SDCM≤5 |
| Power consumption tolerance | +/-10%               |

### Over Time Performance (IEC Compliant)

|   |     |
|---|-----|
| Driver failure rate at 5,000 hours                          | 1 % |
| Control gear failure rate at median useful<br>life 50,000 h | 5 % |
| Lumen maintenance at median useful life*<br>50,000 h        | L70 |

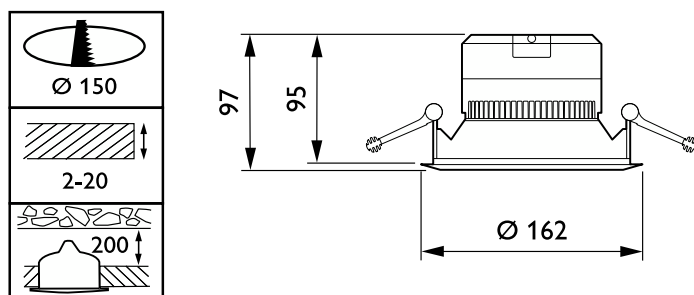
### Application Conditions

|                                    |                |
|------------------------------------|----------------|
| Performance ambient temperature Tq | 25 °C          |
| Maximum dim level                  | Not applicable |
| Suitable for random switching      | Yes            |

### Product Data

|                                   |                              |
|-----------------------------------|------------------------------|
| Order product name                | DN140B LED10S/840 PSU WR PI6 |
| Full product name                 | DN140B LED10S/840 PSU WR PI6 |
| Full EOC                          | 871016332581100              |
| Order code                        | 32581100                     |
| Material no. (12 NC)              | 911401631105                 |
| SAP numerator – quantity per pack | 1                            |
| EAN/UPC – Product/Case            | 8710163325811                |
| Numerator – packs per outer box   | 6                            |
| EAN/UPC – Case                    | 8710163334738                |

## Dimensional drawing



## CoreLine Downlight

