



CoreLine Downlight

DN140B LED20S/830 PSD-E WR

Coreline Downlight Gen4 - 830 warm white - Power supply unit with DALI interface external, DC compatible for central emergency lighting - White reflector without louver - Push-in connector and pull relief - Finger-protected

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 | | Protection class IEC | Safety class I |
|-------------------------------|--|----------------------|---|
| Beam angle of light source | 120 ° | Glow-wire test | Temperature 850 °C, duration 5 s |
| Light source colour | 830 warm white | Flammability mark | F [For mounting on normally flammable surfaces] |
| Light source replaceable | No | CE mark | CE mark |
| Number of gear units | 1 unit | ENEC mark | - |
| Driver/power unit/transformer | PSED-E [Power supply unit with DALI interface external, DC compatible for central emergency lighting] | Warranty period | 5 years |
| Driver included | 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. |
| Optic type | WR [White reflector without louver] | | |
| Luminaire light beam spread | 90° | | |
| Control interface | DALI | | |
| Connection | Push-in connector and pull relief | | |
| Cable | - | | |

CoreLine Downlight

| | |
|---------------------------|-----------------------------------|
| Constant light output | No |
| Number of products on MCB | 24 |
| RoHS mark | RoHS mark |
| Product Family Code | DN140B [Coreline Downlight Gen4] |
| Unified glare rating CEN | 25 |

Operating and Electrical

| | |
|-------------------------------|-------------|
| Input voltage | 220-240 V |
| Input frequency | 50 to 60 Hz |
| Initial CLO power consumption | - W W |
| Average CLO power consumption | - W W |
| End CLO power consumption | - W W |
| Inrush current | 20.4 A |
| Inrush time | 0.195 ms |
| Power factor (min.) | 0.95 |

Controls and Dimming

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|----------|-----|
| Dimmable | Yes |
|----------|-----|

Mechanical and Housing

| | |
|-----------------------------|--------------------|
| Housing material | Aluminium die-cast |
| Reflector material | Polycarbonate |
| Optic material | Polycarbonate |
| Optical cover/lens material | Polycarbonate |
| Fixation material | Steel |
| Optical cover/lens finish | Frosted |
| Overall length | 0 mm |
| Overall width | 0 mm |
| Overall height | 108 mm |
| Overall diameter | 216 mm |
| Colour | White RAL 9003 |

Approval and Application

| | |
|------------------------------|--------------------------|
| Ingress protection code | IP20 [Finger-protected] |
| Mech. impact protection code | IK02 [0.2 J standard] |

Initial Performance (IEC Compliant)

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|--------------------------------|----------------------|
| Initial luminous flux | 2200 lm |
| Luminous flux tolerance | +/-10% |
| Initial LED luminaire efficacy | 107 lm/W |
| Init. Corr. colour temperature | 3000 K |
| Init. colour rendering index | ≥80 |
| Initial chromaticity | (0.435,0.404) SDCM≤5 |
| Initial input power | 20.5 W |
| Power consumption tolerance | +/-10% |

Over Time Performance (IEC Compliant)

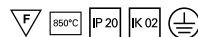
| | |
|---|---------|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Median useful life L70B50 | 50000 h |
| Median useful life L80B50 | 43000 h |
| Median useful life L90B50 | 20000 h |
| Lumen maintenance at median useful life* 50000 h | L70 |

Application Conditions

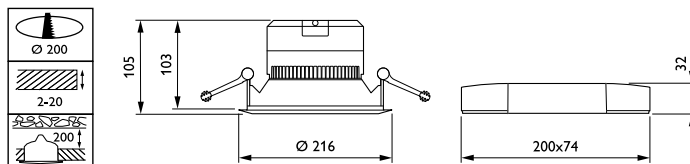
| | |
|------------------------------------|---------------|
| Ambient temperature range | -20 to +40 °C |
| Performance ambient temperature Tq | 25 °C |
| Maximum dimming level | 1% |

Product Data

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|---------------------------------|----------------------------|
| Full product code | 871016332586699 |
| Order product name | DN140B LED20S/830 PSD-E WR |
| EAN/UPC – product | 8710163325866 |
| Order code | 32586699 |
| Numerator – quantity per pack | 1 |
| Numerator – packs per outer box | 6 |
| Material no. (12NC) | 911401631605 |
| Net weight (piece) | 0.675 kg |



Dimensional drawing



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