PHILIPS Lighting



CoreLine Downlight

DN131B LED10S/830 PSED-E IP44 II ALU

CoreLine Downlight ALU, LED Module, system flux 1000 lm, 830 warm white, Power supply unit with DALI interface, DC compatible, external, Safety class II, Wire-protected, splashproof, Aluminum

CoreLine Downlight delivers on the CoreLine promise of innovative, easy to use and high-quality recessed downlights. The CoreLine Downlight range is suitable for oneto-one conventional luminaire replacements, with an attractive TCO that helps customers to make the switch to LED. These recessed downlights create uniform light distribution 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. CoreLine DN140B recessed downlights are easy to install thanks to their standard cut-out size and push-in connectors. An InterAct Ready option with integrated wireless communications is available in this family, which can be used with InterAct gateways, sensors and software.

Product data

| General Information | | |
|--------------------------|---|--|
| Lamp family code | LED10S [LED Module, system flux 1000 lm] | |
| Light source replaceable | No | |
| Number of gear units | 1 unit | |
| 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. | |
| Product family code | DN131B [CoreLine Downlight ALU] | |
| Lighting Technology | LED | |
| Value ladder | Performance | |
| CE mark | Yes | |
| Warranty period | 5 years | |
| Flammability mark | For mounting on normally flammable | |
| | surfaces | |
| ENEC mark | - | |
| Glow-wire test | Temperature 850 °C, duration 5 s | |
| | | |

CoreLine Downlight

| EU RoHS compliant | Yes |
|--|-------------------------------|
| | |
| Light Technical | |
| Luminous Flux | 1,100 lm |
| Correlated Color Temperature (Nom) | 3000 K |
| Luminous Efficacy (rated) (Nom) | 100 lm/W |
| Color rendering index (CRI) | 80 |
| Number of light sources | 1 |
| Beam angle of light source | 120 degree(s) |
| Light source color | 830 warm white |
| Optic type | Wide beam |
| Optical cover type | Acrylic bowl/cover frosted |
| Luminaire light beam spread | 79° |
| Unified glare rating CEN | 25 |
| | |
| Operating and Electrical | |
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 20.4 A |
| Inrush time | 195 ms |
| Power Consumption | 11 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Plug-in connector 3-pole Wago |
| Cable | - |
| Number of products on MCB of 16 A type | 24 |
| В | |
| | |
| Temperature | |
| Ambient temperature range | -10 to +40 °C |
| | |
| Controls and Dimming | |
| Dimmable | Yes |
| | |

| В | | Maximum dim lev |
|-------------------------------|---|-------------------|
| | | Suitable for rand |
| Temperature | | |
| Ambient temperature range | -10 to +40 °C | Product Data |
| | | Order product na |
| Controls and Dimming | | Full product nam |
| Dimmable | Yes | Full product code |
| Driver/power unit/transformer | Power supply unit with DALI interface, DC | Order code |
| | compatible, external | Material Nr. (12N |
| Control interface | DALI | Numerator - Qua |
| Constant light output | No | EAN/UPC - Prod |
| | | Numerator - Pac |
| Mechanical and Housing | | EAN/UPC - Case |
| Housing Material | Polycarbonate | |
| Reflector material | Polycarbonate | |

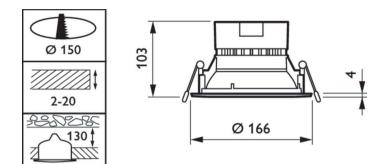
Aluminum

| Optical cover material | Polycarbonate |
|---|--------------------------------------|
| Fixation material | Steel |
| Housing Color | Aluminum |
| Optical cover finish | Frosted |
| Overall height | 99 mm |
| Overall diameter | 166 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 | (0.43, 0.40) SDCM <5 |
| Power consumption tolerance | +/-10% |
| | |
| Over Time Performance (IEC Comp | oliant) |
| Control gear failure rate at median usefu | ıl 5% |
| life 50000 h | |
| Lumen maintenance at median useful | L70 |
| life* 50000 h | |
| | |
| Application Conditions | |
| Performance ambient temperature Tq | 25 ℃ |
| Maximum dim level | 1% |
| Suitable for random switching | Yes |
| | |
| Product Data | |
| Order product name | DN131B LED10S/830 PSED-E IP44 II ALU |
| Full product name | DN131B LED10S/830 PSED-E IP44 II ALU |
| Full product code | 871869687891000 |
| Order code | 910500458088 |
| Material Nr. (12NC) | 910500458088 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718696878910 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718696878910 |
| | |

Optic material

CoreLine Downlight

Dimensional drawing





© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, September 4 - data subject to change