



CoreLine SlimDownlight

DN145B LED10S/840 PSD-E II WH

CoreLine SlimDownlight, 13 W, D155 mm, 1100 lm, 4000 K, CRI>80, DALI, Opal, IP20/44

CoreLine slimdownlight delivers on the CoreLine promise of innovative, easy to use and high-quality indoor LED downlights. CoreLine slimdownlight is an innovative range of recessed and surface-mounted luminaires. It is designed to provide uniform lighting across multiple application areas. With instant energy savings and a longer lifetime, this is an environmentally friendly and cost saving solution. Its MultiColorTemp feature offers a choice of two color temperatures in a single luminaire. This makes it easy to select the right product, gives you the flexibility respond to customer preferences on site, and means fewer product codes on stock. Simple and easy installation means our slim downlight fits the same size cut-out, while the minimal built-in depth of 34mm makes this product an ideal space saving solution, especially for projects with limited fitting space. InterAct Ready option with integrated wireless communications in this family is available, to 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 | |
| Service tag | Yes | |
| Lighting Technology | LED | |

| Value ladder | Performance |
|------------------------------------|-------------|
| Warranty period | 5 years |
| Sustainability rating | - |
| | |
| Light Technical | |
| Luminous Flux | 1,100 lm |
| Saturated Red (R9) | <50 |
| Correlated Color Temperature (Nom) | 4000 K |

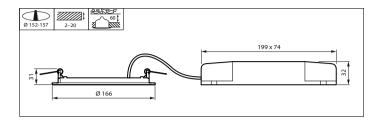
Datasheet, 2025, January 10 data subject to change

CoreLine SlimDownlight

| | 051 /// | Assessed and Assettantian | |
|--|---------------------------------------|---|---|
| Luminous Efficacy (rated) (Nom) | 85 lm/W | Approval and Application | |
| Color rendering index (CRI) | >80 | Glow-wire test | Temperature 650 °C, duration 30 s |
| Number of light sources | 1 | Flammability mark | For mounting on normally flammable |
| Beam angle of light source | 120 degree(s) | | surfaces |
| Light source color | 840 neutral white | CE mark | Yes |
| Optic type | Beam angle 90° | ENEC mark | ENEC mark |
| Luminaire light beam spread | 84° | Photobiological risk | Photobiological risk group 0 @200mm to |
| Unified glare rating CEN | 28 | | EN62778 |
| | | EU RoHS compliant | Yes |
| Operating and Electrical | | Performance ambient temperature Tq | 25 °C |
| Input Voltage | 220 to 240 V | Remarks | *-Per Lighting Europe guidance paper |
| Line Frequency | 50 or 60 Hz | | "Evaluating performance of LED based |
| Initial CLO power consumption | - W | | luminaires - January 2018": statistically |
| Average CLO power consumption | - W | | there is no relevant difference in lumen |
| Inrush current | 20.4 A | | maintenance between B50 and for |
| Inrush time | 0.0019 ms | | example B10. Therefore, the median usefu |
| Power Consumption | 13 W | | life (B50) value also represents the B10 |
| Power Factor (Fraction) | 0.9 | Flightening value (Patt M) Flightening value | value. |
| Connection | Connection unit 2-pole | Flickering value (PstLM) - Flickering value | 1 |
| Cable | | as per EN 61000-3-3 Stroboscopic effect visibility measure (SVM) | 0.4 |
| Number of products on MCB of 16 A type B | 24 | | |
| Suitable for random switching | Yes | Ambient temperature range | 0 to +35 °C |
| Protection class IEC | Safety class II | Initial Deviance (IEC Compliant) | |
| Total harmonic distortion | 20 % | Initial Performance (IEC Compliant) | . / 100/ |
| | | Luminous flux tolerance | +/-10% |
| Controls and Dimming | | Initial chromaticity | (0.38212,0.38031) SDCM<3 |
| Dimmable | Yes | Power consumption tolerance | +/-10% |
| Driver/power unit/transformer | Power supply unit with DALI interface | Standard Deviation of Colour Matching | SDCM≤3 |
| | external | (McAdam ellipse) | |
| Control interface | DALI | 0 7: 0 ((55.5): | 0 |
| Constant light output | No | Over Time Performance (IEC Complian | - |
| DALI Standard | DALI-2™ | Driver failure rate at 5000 h | 0.0015 % |
| Maximum dim level | Not applicable | Control gear failure rate at median useful | 10 % |
| | | life 50000 h | |
| Mechanical and Housing | | Lumen maintenance at median useful life* | L70 |
| Housing Material | Aluminum die cast | 50000 h | |
| Reflector material | - | Due don't Dete | |
| Optic material | Polymethyl methacrylate | Product Data | DN445D 50406 /0 40 DSD 5 H W// |
| Optical cover material | Polystyrene | Order product name | DN145B LED10S/840 PSD-E II WH |
| Fixation material | - | Full product name | DN145B LED10S/840 PSD-E II WH |
| Housing Color | White | Full product code | 871869996101599 |
| Optical cover finish | Opal | Order code | 910500465902 |
| Overall height | 28 mm | Material Nr. (12NC) | 910500465902 |
| Overall diameter | 166 mm | Numerator - Quantity Per Pack | 1 |
| Ingress protection code | IP20/44 [Finger-protected; wire- | EAN/UPC - Product/Case | 8718699961015 |
| | protected, splash-proof] | Numerator - Packs per outer box | 10 |
| Mech. impact protection code | IK02 [0.2 J standard] | EAN/UPC - Case | 8718699961077 |
| Optical cover type | Opal | Product family code | DN145B [Coreline Slimdownlight G3_LSC] |
| Net Weight (Piece) | 0.327 kg | | |

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Dimensional drawing





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