



CoreLine Downlight gen5

DN142B 10S/830 PSU-E UGR19

CoreLine Downlight gen5, 9.8 W, D150 mm, 1200 lm, 3000 K, UGR19, Facetted reflector, IP20

Philips CoreLine Downlight delivers on the CoreLine promise of innovative, easy to use and high-quality recessed downlights. The CoreLine Downlight range is suitable for one-to-one conventional luminaire replacements, with an attractive TCO that helps your customers make the switch to LED. These recessed indoor downlights offer uniform light distribution for use in general lighting and office applications (UGR 19). They also deliver instant energy savings and have a much longer lifetime, creating a solution that's environmentally friendly and real value-for-money. CoreLine DN142B 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 also available in this family, which can be used with Interact gateways, sensors and software.

Warnings and Safety

- Do not apply excessive force to the cable & DC connector, make sure the connector clip is locked before the power is on.

Product data

| General Information | | Warranty period | |
|--------------------------|-------------|-------------------|---|
| Light source replaceable | No | Warranty period | 5 years |
| Number of gear units | 1 unit | Flammability mark | For mounting on normally flammable surfaces |
| Driver included | Yes | ENEC mark | - |
| Lighting Technology | LED | Glow-wire test | Temperature 650 °C, duration 30 s |
| Value ladder | Performance | EU RoHS compliant | Yes |
| CE mark | CE mark | | |

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| Light Technical | |
|---|----------------|
| Luminous Flux | 1,200 lm |
| Saturated Red (R9) | <50 |
| Correlated Color Temperature (Nom) | 3000 K |
| Luminous Efficacy (rated) (Nom) | 117 lm/W |
| Color rendering index (CRI) | ≥80 |
| Flickering value (PstLM) - Flickering value as per EN 61000-3-3 | 0.5 |
| Stroboscopic effect visibility measure (SVM) | 1 |
| Beam angle of light source | - degree(s) |
| Light source color | 830 warm white |
| Optic type | - |
| Luminaire light beam spread | 60° |
| Unified glare rating CEN | 19 |

| Operating and Electrical | |
|--|---------------------------------------|
| Input Voltage | 220-240 V |
| Line Frequency | 50 to 60 Hz |
| Initial CLO power consumption | - W W |
| Average CLO power consumption | - W W |
| Inrush current | 14 A |
| Inrush time | 0.001 ms |
| Power Consumption | 9.8 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Push-in connector 4-pole |
| Cable | 2 cables 0.15m with connectors 2-pole |
| Number of products on MCB of 16 A type B | 120 |

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

| Controls and Dimming | |
|-------------------------------|----------------------------|
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Control interface | - |
| Constant light output | No |

| Mechanical and Housing | |
|------------------------|-------------------------------|
| Housing Material | Polycarbonate |
| Reflector material | Polycarbonate aluminum coated |
| Optic material | Polycarbonate |
| Optical cover material | Polycarbonate |
| Fixation material | - |

| | |
|----------------------|-------------------|
| Housing Color | White |
| Optical cover finish | - |
| Reflector Finish | Faceted 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 II |
| Photobiological risk | Photobiological risk group 1 @ 200mm to EN62471 |

| Initial Performance (IEC Compliant) | |
|-------------------------------------|----------------------|
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.435,0.404) SDCM≤5 |
| Power consumption tolerance | +/-10% |

| Over Time Performance (IEC Compliant) | |
|---|-----|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Lumen maintenance at median useful life* 50000 h | L80 |

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

| Product Data | |
|---------------------------------|----------------------------|
| Order product name | DN142B 10S/830 PSU-E UGR19 |
| Full product name | DN142B 10S/830 PSU-E UGR19 |
| Full product code | 872016950303899 |
| Order code | 911401551232 |
| Material Nr. (12NC) | 911401551232 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8720169503038 |
| Numerator - Packs per outer box | 6 |
| EAN/UPC - Case | 8720169503359 |

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Dimensional drawing

