

# CoreLine Downlight gen5

## DN142B 10S/840 PSU-E UGR19 IP54

CoreLine Downlight gen5, 9.8 W, D150 mm, 1200 lm, 4000 K, UGR19, Facetted reflector, IP20/54

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 | |
|---|---|
| **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** | 1,200 lm |
| **Saturated Red (R9)** | <50 |
| **Correlated Color Temperature (Nom)** | 4000 K |

# CoreLine Downlight gen5

| | |
|---|---|
| **Luminous Efficacy (rated) (Nom)** | 117 lm/W |
| **Color rendering index (CRI)** | >80 |
| **Beam angle of light source** | - degree(s) |
| **Light source color** | 840 neutral 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 |
| **Suitable for random switching** | Yes |
| **Protection class IEC** | Safety class II |
| **Total harmonic distortion** | 32 % |

## Controls and Dimming

| | |
|---|---|
| **Dimmable** | No |
| **Driver/power unit/transformer** | Power supply unit external (On/Off) |
| **Control interface** | - |
| **Constant light output** | No |
| **Maximum dim level** | Not applicable |

## 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** | Facetted reflector |
| **Overall height** | 82 mm |
| **Overall diameter** | 162 mm |
| **Ingress protection code** | IP20/54 [Finger-protected; dust accumulation-protected, splash-proof] |
| **Mech. impact protection code** | IK02 [0.2 J standard] |
| **Net Weight (Piece)** | 0.260 kg |

## Approval and Application

| | |
|---|---|
| **Glow-wire test** | Temperature 650 °C, duration 30 s |
| **Flammability mark** | For mounting on normally flammable surfaces |
| **CE mark** | Yes |
| **ENEC mark** | - |
| **Photobiological risk** | Photobiological risk group 1 @ 200mm to EN62471 |
| **EU RoHS compliant** | Yes |
| **Performance ambient temperature Tq** | 25 °C |
| **Flickering value (PstLM) - Flickering value as per EN 61000-3-3** | 0.5 |
| **Stroboscopic effect visibility measure (SVM)** | 1 |
| **Ambient temperature range** | -20 to +40 °C |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| **Luminous flux tolerance** | +/-10% |
| **Initial chromaticity** | (0.380,0.377) SDCM≦5 |
| **Power consumption tolerance** | +/-10% |

## Over Time Performance (IEC Compliant)

| | |
|---|---|
| **Control gear failure rate at median useful life 50000 h** | 50 % |
| **Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h** | L80 |

## Product Data

| | |
|---|---|
| **Order product name** | DN142B 10S/840 PSU-E UGR19 IP54 |
| **Full product name** | DN142B 10S/840 PSU-E UGR19 IP54 |
| **Full product code** | 872016950298799 |
| **Order code** | 911401551732 |
| **Material Nr. (12NC)** | 911401551732 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8720169502987 |
| **Numerator - Packs per outer box** | 6 |
| **EAN/UPC - Case** | 8720169503304 |

# CoreLine Downlight gen5

© 2025 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
2025, March 3 - data subject to change