PHILIPS

**DN142B 10S/840 PSU-E WR IP54**

911401551532

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

D150 mm, Polycarbonate, White, Pure white (RAL9010), Recessed, Power supply unit external (On/Off), 1200 lm, 9.8 W, 120 lm/W, 4000 K, (0.380,0.377) SDCM≦5, White reflector, Polycarbonate, IP20/54 | Finger-protected; dust accumulation-protected, splash-proof, IK02 | 0.2 J standard, Safety class II, 2 cables 0.15m with connectors 2-pole, Push-in connector 4-pole

## 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.

## General Information

| | |
|---|---|
| Light source replaceable | No |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Service tag | Yes |
| Lighting Technology | LED |
| Mounting | Recessed |
| Value ladder | Performance |
| Warranty period | 5 years |

## Light Technical

| | |
|---|---|
| Luminous Flux | 1,200 lm |
| Saturated Red (R9) | <50 |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 120 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 | 84° |
| Unified glare rating CEN | 25 |

## 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 |
| Optic material | Polycarbonate |
| Optical cover material | Polycarbonate |
| Fixation material | - |
| Housing Color | White |
| Optical cover finish | - |
| Reflector Finish | White reflector |
| Overall height | 82 mm |
| Overall diameter | 162 mm |
| Nominal Ceiling cut-out diameter | 150 mm |
| Ingress protection code | IP20/54 [Finger-protected; dust accumulation-protected, splash-proof] |
| Mech. impact protection code | IK02 [0.2 J standard] |
| Mounting | Recessed |
| 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% |

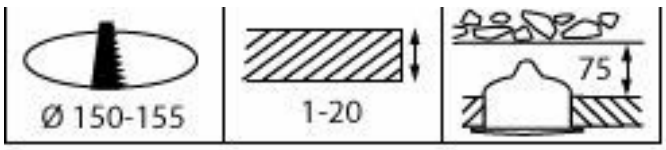
## Over Time Performance (IEC Compliant)

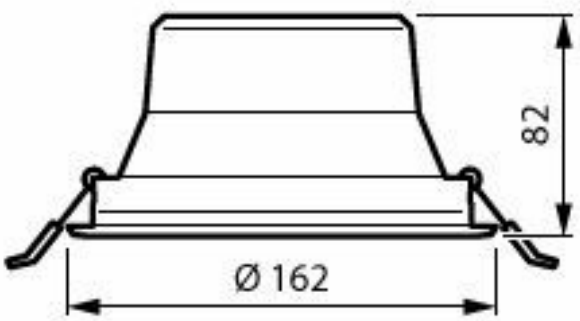
| | |
|---|---|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h | L80 |

## Sustainability Data

| | |
|---|---|
| Sustainability rating | Unclassified |
| Repair class | Repair Class D, this product is not designed to be repaired. |
| Embedded carbon (A1-A3) | 3.43 kg $CO_2e$ |
| Product non-virgin material ratio | 30.1 % |
| Recyclable content ratio of the finished product | 31.9 % |
| GWP total B6 (kg CO2eq) Declared Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh) |
| GWP total B6 (kg CO2eq) Functional Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO2 eq / kwh) |
| Non-virgin material ratio of the packaging | Cardboard > 80% recycled |
| Packaging Recyclable content ratio | Cardboard recycling rate > 80% |
| Packaging Material | Cardboard |

## Dimensional drawing

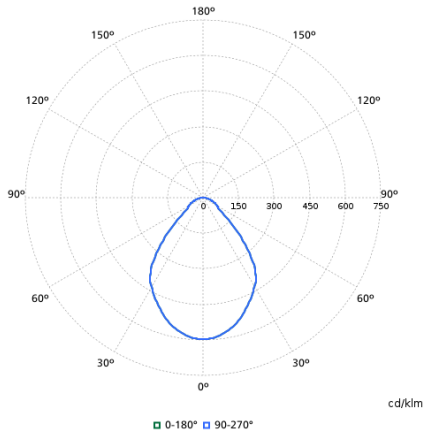



## Product Data

| | |
|---|---|
| Order product name | DN142B 10S/840 PSU-E WR IP54 |
| Full product name | DN142B 10S/840 PSU-E WR IP54 |
| Full product code | 872016950300799 |
| Order code | 50300799 |
| Material Nr. (12NC) | 911401551532 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8720169503007 |
| Numerator - Packs per outer box | 6 |
| EAN/UPC - Case | 8720169503328 |

## Polar normal diagrams




## Related Documents

| Documents and certificates | Document Name | Download |
|---|---|---|
| Environmental Product Declaration | EPD-Philips-CoreLine-Downlight-gen5-DN142B-10S.pdf | Download |
| Installation Instructions | 444170264921 DN142B PSU Installation Instructions.pdf | Download |
| Tender text | Tender_Text_911401551532_en_BG.txt | Download |

| Photometric and IES | Document Name | Download |
|---|---|---|
| LDT File | LDT File - 911401551532.ldt | Download |
| ROLF File | ROLF File - 911401551532.rolfz | Download |
| ULD File | ULD File - 911401551532.uld | Download |
| Revit file | Revit file - 911401551532.zip | Download |

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