PHILIPS Lighting



GreenSpace

DN470B LED20S/830 PSED-E C WH PGO

200mm, LED Module, system flux 2000 lm, 830 warm white, Power supply unit with DALI interface, DC compatible, external, Wire-protected, splash-proof, White RAL 9003

Customers want to strike the ideal balance between their initial investment and the cost of the installation during its lifetime. GreenSpace is a cost-efficient and sustainable downlight that can be used to replace conventional CFL downlights in general lighting applications. It features the latest LED technology, which enables extremely low power consumption, while delivering consistent light output, stable color performance and high color rendering. The product's long lifetime makes it a true 'fit and forget' solution.

Product data

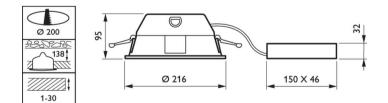
| General Information | | |
|--------------------------|---|--|
| Lamp family code | LED20S [LED Module, system flux 2000 lm] | |
| Cap-Base | - [-] | |
| Light source replaceable | No | |
| Number of gear units | 1 unit | |
| Gear | - | |
| Driver included | Yes | |
| Remarks | *-Per Lighting Europe 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. | |
| Service tag | Yes | |

| Product family code | DN470B [200mm] | |
|------------------------------------|------------------------------------|--|
| Lighting Technology | LED | |
| Value ladder | Specification | |
| CE mark | Yes | |
| Warranty period | 5 years | |
| Flammability mark | For mounting on normally flammable | |
| | surfaces | |
| ENEC mark | ENEC mark | |
| Glow-wire test | Temperature 850 °C, duration 5 s | |
| EU RoHS compliant | Yes | |
| | | |
| Light Technical | | |
| Luminous Flux | 2,150 lm | |
| Correlated Color Temperature (Nom) | 3000 K | |
| Luminous Efficacy (rated) (Nom) | 115.59 lm/W | |
| | | |

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| Color rendering index (CRI) | 80 | Overall height | 95 mm |
|--|---|--|-------------------------------------|
| Number of light sources | 1 | Overall diameter | 216 mm |
| Beam angle of light source | 120 degree(s) | | |
| Light source color | 830 warm white | Approval and Application | |
| Optic type | High-gloss mirror | Ingress protection code | IP44 [Wire-protected, splash-proof] |
| Luminaire light beam spread | 88° | Mech. impact protection code | IK02 [0.2 J standard] |
| Unified glare rating CEN | 25 | Protection class IEC | Safety class II |
| | | | |
| Operating and Electrical | | Initial Performance (IEC Compliant) | |
| Input Voltage | 220 to 240 V | Luminous flux tolerance | +/-10% |
| Line Frequency | 50 to 60 Hz | Initial chromaticity | (0.44, 0.40) SDCM<3 |
| Inrush current | 16 A | Power consumption tolerance | +/-5% |
| Inrush time | 0.22 ms | | |
| Power Consumption | 18.6 W | Over Time Performance (IEC Compliant) | |
| Power Factor (Fraction) | 0.9 | Control gear failure rate at median useful | 5 % |
| Connection | Push-in connector and pull relief | life 50000 h | |
| Cable | - | Lumen maintenance at median useful | L90 |
| Number of products on MCB of 16 A type | 24 | life* 50000 h | |
| В | | Lumen maintenance at median useful | L80 |
| | | life* 100000 h | |
| Temperature | | | |
| Ambient temperature range | +10 to +40 °C | Application Conditions | |
| | | Performance ambient temperature Tq | 25 °C |
| Controls and Dimming | | Maximum dim level | 1% |
| Dimmable | Yes | Suitable for random switching | Yes |
| Driver/power unit/transformer | Power supply unit with DALI interface, DC | | |
| | compatible, external | Product Data | |
| Control interface | DALI | Order product name | DN470B LED20S/830 PSED-E C WH PGO |
| Constant light output | No | Full product name | DN470B LED20S/830 PSED-E C WH PGO |
| | | Full product code | 871869624681800 |
| Mechanical and Housing | | Order code | 24681800 |
| Housing Material | Aluminum | Material Nr. (12NC) | 910500456269 |
| Reflector material | Polycarbonate aluminum coated | Numerator - Quantity Per Pack | 1 |
| Optic material | Polycarbonate | EAN/UPC - Product/Case | 8718696246818 |
| Optical cover material | Glass | Numerator - Packs per outer box | 1 |
| Fixation material | - | EAN/UPC - Case | 8718696246818 |
| Housing Color | White RAL 9003 | | |
| Optical cover finish | Frosted | | |

Dimensional drawing



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