PHILIPS Lighting



LuxSpace PoE

DN570B LED20S/840 POE C WH

LuxSpace PoE, 15.4 W, 2200 lm, 4000 K, Power over Ethernet, Frosted

With Power-over-Ethernet (PoE) technology, LuxSpace PoE receives power and data over a single standard Ethernet cable, eliminating the need for separate power cabling. With the simple click of a connector, LuxSpace PoE luminaires become part of a complete, integrated connected lighting system, delivering extraordinary illumination experiences and value beyond illumination. A built-in lighting and control system gives office users personal control over their preferred light settings via a specially designed smartphone app. With integrated sensors, LuxSpace PoE luminaires can track activity patterns, daylight levels, and in the near future humidity, CO2, temperature, or other data. This data allows facility managers to gain deep insight into building operations, helping them optimize the delivery of resources, enhance the experience and performance of occupants, and support improved asset management.

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. |
| Product family code | DN570B [LUXSPACE 2 COMPACT LOW |
| | HEIGHT] |
| Lighting Technology | LED |
| Glow-wire test | Temperature 850 °C, duration 5 s |
| Flammability mark | For mounting on normally flammable |
| | surfaces |
| CE mark | Yes |
| ENEC mark | ENEC mark |
| Warranty period | 5 years |
| EU RoHS compliant | No |
| | |

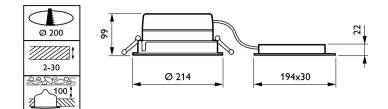
LuxSpace PoE

| Value ladder | Specification |
|--|--------------------------------------|
| | |
| Light Technical | |
| Luminous Flux | 2,200 lm |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 143 lm/W |
| Color rendering index (CRI) | >80 |
| Light source color | 840 neutral white |
| Optic type | High-gloss mirror |
| Luminaire light beam spread | 80° |
| Unified glare rating CEN | 22 |
| Operating and Electrical | |
| Input Voltage | 48 to 54 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 5 A |
| Inrush time | 1 ms |
| Power Consumption | 15.4 W |
| Power Factor (Fraction) | 1 |
| Connection | RJ45 connector |
| Cable | - |
| Number of products on MCB of 16 A type | |
| В | |
| | |
| Temperature | |
| Ambient temperature range | +10 to +25 °C |
| | |
| Controls and Dimming | |
| Dimmable | Yes |
| Driver/power unit/transformer | Luminaire controller with power over |
| | Ethernet |
| Control interface | Power over Ethernet |
| Constant light output | No |
| Mechanical and Housing | |
| Housing Material | Aluminum die cast |
| Reflector material | Polycarbonate aluminum coated |
| Reflector material | |
| Optic material | Polycarbonate |

| Fixation material | Steel |
|---|----------------------------|
| Housing Color | White RAL 9003 |
| Optical cover finish | Frosted |
| Overall height | 96.5 mm |
| Overall diameter | 214 mm |
| Approval and Application | |
| Ingress protection code | IP20 [Finger-protected] |
| Mech. impact protection code | IK02 [0.2 J standard] |
| Protection class IEC | Safety class III |
| Initial Performance (IEC Compliant | t) |
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.38, 0.37) SDCM <3 |
| Power consumption tolerance | +/-10% |
| Over Time Performance (IEC Comp | |
| Control gear failure rate at median usefulife 50000 h | il 5% |
| Lumen maintenance at median useful | L90 |
| life* 50000 h | |
| Application Conditions | |
| Application Conditions | 25 °C |
| Performance ambient temperature Tq | |
| Maximum dim level | 1% |
| Suitable for random switching | Yes |
| Product Data | |
| Order product name | DN570B LED20S/840 POE C WH |
| Full product name | DN570B LED20S/840 POE C WH |
| Full product code | 871829194350100 |
| Order code | 910503706663 |
| Material Nr. (12NC) | 910503706663 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718291943501 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718291943501 |
| | |

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Dimensional drawing





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www.lighting.philips.com 2023, November 30 - data subject to change