PHILIPS Lighting



LuxSpace, recessed

DN570B LED20S/830 PSU-E F PG WH

LUXSPACE 2 COMPACT LOW HEIGHT, LED Module, system flux 2000 lm, 830 warm white, Power supply unit DC-compatible, external, Faceted reflector, Protection glass, White RAL 9003

Customers are looking to optimise all their resources, and that means not just their running costs (energy, etc.) but also their human resources. Energy savings are therefore a priority, but they must not have an adverse effect on the well-being of employees, who need a pleasant environment in order to be more productive, or on customers, who want to enjoy their shopping experience. LuxSpace provides the perfect combination of efficiency, light comfort and design, without compromising on lighting performance (colour rendering and colour uniformity). It offers a wide choice of options for creating the desired ambience, no matter the application.

Product data

| General Information | |
|--------------------------|---|
| Lamp family code | LED20S [LED Module, system flux 2000 lm] |
| Cap base | - [-] |
| Light source replaceable | No |
| Number of gear units | Unit |
| Gear | - |
| Driver included | Yes |
| Remarks | *- According to the Lighting Europe guidance |
| | paper 'Evaluating performance of LED based |
| | luminaires – January 2018': statistically there |
| | is no relevant difference in lumen |
| | maintenance between the B50 and, for |
| | example, the 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 |
| 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 | No |
| | |

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| Light Technical | | |
|----------------------------------|-------------------|--|
| Luminous Flux | 2,100 lm | |
| Correlated Colour Temperature | 3000 K | |
| Luminous efficacy (rated) (nom.) | 111 lm/W | |
| Colour rendering index (CRI) | >80 | |
| Light source colour | 830 warm white | |
| Optic type | Faceted reflector | |
| Optical cover type | Protection glass | |
| Luminaire light beam spread | 80° | |
| Unified Glare Rating (CEN) | 22 | |

| Approval and Application | |
|--------------------------------|---------------------------------------|
| Ingress protection code | IP20/54 [Finger-protected; dust |
| | accumulation-protected, splash-proof] |
| Mech. impact protection code | IK02 [0.2 J standard] |
| Protection class IEC | Safety class II |
| | |
| Initial Performance (IEC Compl | iant) |
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.43, 0.40) SDCM≤2 |

+/-10%

L90

L80

96.5 mm

214 mm

Overall height

Overall diameter

Power consumption tolerance

life 50,000 h

life* 50,000 h

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful 5%

Lumen maintenance at median useful

Lumen maintenance at median useful

| Operating and Electrical | |
|--------------------------|-----------------------------------|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 18 A |
| Inrush time | 0.24 ms |
| Power Consumption | 19 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Push-in connector and pull relief |
| Cable | - |
| | |

Number of products on MCB of 16 A type 32

в

Temperature

| Ambient temperature range | +10 to +25 °C |
|---------------------------|---------------|
| | |

| Controls and Dimming | |
|-------------------------------|---|
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit DC-compatible, external |
| Constant light output | No |

Mechanical and Housing

| Housing material | Aluminium die cast |
|-----------------------------|-----------------------------|
| Reflector material | Aluminium and polycarbonate |
| Optic material | Polycarbonate |
| Optical cover/lens material | Polycarbonate |
| Fixation material | Steel |
| Housing Colour | White RAL 9003 |
| Optical cover/lens finish | Frosted |
| | |

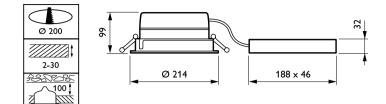
| life* 100,000 h | | |
|------------------------------------|-------|--|
| | | |
| Application Conditions | | |
| Borformanco ambient temperaturo To | 25 °C | |

| Performance ambient temperature Tq | 25 ℃ |
|------------------------------------|------|
| Suitable for random switching | Yes |
| | |

| Product Data | |
|-----------------------------------|---------------------------------|
| Order product name | DN570B LED20S/830 PSU-E F PG WH |
| Full product name | DN570B LED20S/830 PSU-E F PG WH |
| Full EOC | 871829193078500 |
| Order code | 93078500 |
| Material no. (12 NC) | 910503590215 |
| SAP numerator – quantity per pack | 1 |
| EAN/UPC — Product/Case | 8718291930785 |
| Numerator – packs per outer box | 1 |
| EAN/UPC - Case | 8718291930785 |
| | |

LuxSpace, recessed

Dimensional drawing





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