# GreenSpace

## DN470B LED20S/840 PSU-E C WH

200mm, LED Module, system flux 2000 lm, 840 neutral white,
Power supply unit DC compatible, external, White RAL 9003

GreenSpace is a perfect solution where customers want to strike the ideal balance between their initial investment and the cost of the installation during its lifetime while they are covering multiple applications. GreenSpace features the latest LED technology which enables extremely low power consumption. With its perfect fit you'll get the LED downlight that always fits and looks perfect at the same time. This perfect fit is available for cut out sizes from 150 to 280 mm. GreenSpace is designed for Circular Economy with optimized performance, extended lifetime through upgradability and integration options, ease of customization, recycling and disassembly. Housing and rim are made from production waste of polycarbonate sheets that are retrieved from swimming pools, car ports and illuminated advertising. And 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 ℃, duration 5 s |

# GreenSpace

| | |
|---|---|
| EU RoHS compliant | Yes |

## Light Technical

| | |
|---|---|
| Luminous Flux | 2,200 lm |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 118.28 lm/W |
| Color rendering index (CRI) | 80 |
| Number of light sources | 1 |
| Beam angle of light source | 120 degree(s) |
| Light source color | 840 neutral white |
| Optic type | High-gloss mirror |
| Luminaire light beam spread | 88° |
| Unified glare rating CEN | 22 |

## Operating and Electrical

| | |
|---|---|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 14 A |
| Inrush time | 0.24 ms |
| Power Consumption | 18.6 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Push-in connector and pull relief |
| Cable | – |
| Number of products on MCB of 16 A type B | 30 |

## Temperature

| | |
|---|---|
| Ambient temperature range | +10 to +40 °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 | Aluminum |
| Reflector material | Polycarbonate aluminum coated |
| Optic material | Polycarbonate |
| Optical cover material | – |
| Fixation material | – |

| | |
|---|---|
| Housing Color | White RAL 9003 |
| Optical cover finish | – |
| Overall height | 95 mm |
| Overall diameter | 216 mm |

## Approval and Application

| | |
|---|---|
| Ingress protection code | IP20 [Finger-protected] |
| Mech. impact protection code | IK02 [0.2 J standard] |
| Protection class IEC | Safety class II |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.38, 0.38) SDCM<3 |
| Power consumption tolerance | +/-5% |

## Over Time Performance (IEC Compliant)

| | |
|---|---|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Lumen maintenance at median useful life* 50000 h | L90 |
| Lumen maintenance at median useful life* 100000 h | L80 |

## Application Conditions

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

## Product Data

| | |
|---|---|
| Order product name | DN470B LED20S/840 PSU-E C WH |
| Full product name | DN470B LED20S/840 PSU-E C WH |
| Full product code | 871869624336700 |
| Order code | 910500454965 |
| Material Nr. (12NC) | 910500454965 |
| Numerator – Quantity Per Pack | 1 |
| EAN/UPC – Product/Case | 8718696243367 |
| Numerator – Packs per outer box | 1 |
| EAN/UPC – Case | 8718696243367 |

# GreenSpace

**Dimensional drawing**

www.lighting.philips.com

2023, November 30 – data subject to change