



# **GreenSpace**

### DN470B LED20S/840 PSE-E C WH PGO

200mm, LED Module, system flux 2000 lm, 840 neutral white, Power supply unit 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 colour performance and high colour 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     | 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              | 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                    | 2,200 lm                           |
| Correlated Colour Temperature    | 4000 K                             |
| Luminous efficacy (rated) (nom.) | 118.28 lm/W                        |
|                                  |                                    |

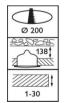
Datasheet, 2023, April 29 data subject to change

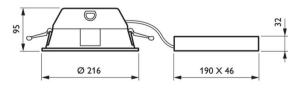
# GreenSpace

| Colour rendering index (CRI)           | 80  |
|--|---|
| Beam angle of light source             | 120 degree(s)                             |
| Light source colour                    | 840 neutral white                         |
| Optic type                             | High-gloss mirror                         |
| Luminaire light beam spread            | 88°                                       |
| Unified Glare Rating (CEN)             | 25  |
|  |   |
| 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 | 30  |
| В                                      |   |
|  |   |
| 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                       | Aluminium                                 |
| Reflector material                     | Aluminium and polycarbonate               |
| Optic material                         | Polycarbonate                             |
| Optical cover/lens material            | Glass                                     |
| Optical cover/tens material            |   |
| Fixation material                      | -   |
|  | -<br>White RAL 9003                       |
| Fixation material                      | -<br>White RAL 9003<br>Frosted            |

| Overall diameter                           | 216 mm                              |  |
|--|-------------------------------------|--|
|  |                                     |  |
| Approval and Application                   |                                     |  |
| Ingress protection code                    | IP44 [Wire-protected, splash-proof] |  |
| 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 | 5 %                                 |  |
| life 50,000 h                              |                                     |  |
| Lumen maintenance at median useful         | L90                                 |  |
| life* 50,000 h                             |                                     |  |
| Lumen maintenance at median useful         | L80                                 |  |
| life* 100,000 h                            |                                     |  |
|  |                                     |  |
| Application Conditions                     |                                     |  |
| Performance ambient temperature Tq         | 25 ℃                                |  |
| Suitable for random switching              | Yes                                 |  |
|  |                                     |  |
| Product Data                               |                                     |  |
| Order product name                         | DN470B LED20S/840 PSE-E C WH PGO    |  |
| Full product name                          | DN470B LED20S/840 PSE-E C WH PGO    |  |
| Full EOC                                   | 871869624676400                     |  |
| Order code                                 | 24676400                            |  |
| Material no. (12 NC)                       | 910500456264                        |  |
| SAP numerator – quantity per pack          | 1                                   |  |
| EAN/UPC — Product/Case                     | 8718696246764                       |  |
| Numerator – packs per outer box            | 1                                   |  |
| EAN/UPC - Case                             | 8718696246764                       |  |
|  |                                     |  |

# Dimensional drawing





# **GreenSpace**



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