# GreenSpace

## DN471T LED20S/830 PSED-E D22H16 5C6 BK

GreenSpace, 18.3 W, 1950 lm, 3000 K, DALI, Opal

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 | DN471T [GreenSpace] |
| Lighting Technology | LED |
| Value ladder | Specification |
| CE mark | Yes |
| Warranty period | 5 years |
| Flammability mark | For mounting on normally flammable surfaces |
| ENEC mark | ENEC plus mark |
| Glow-wire test | Temperature 650 °C, duration 5 s |
| EU RoHS compliant | Yes |

### Light Technical

| | |
|---|---|
| Luminous Flux | 1,950 lm |

# GreenSpace

| | |
|---|---|
| **Correlated Color Temperature (Nom)** | 3000 K |
| **Luminous Efficacy (rated) (Nom)** | 107 lm/W |
| **Color rendering index (CRI)** | >80 |
| **Number of light sources** | 1 |
| **Light source color** | 830 warm white |
| **Optic type** | – |
| **Optical cover type** | Polycarbonate bowl/cover flat |
| **Luminaire light beam spread** | 88° |
| **Unified glare rating CEN** | 19 |

## Operating and Electrical

| | |
|---|---|
| **Input Voltage** | 220 to 240 V |
| **Line Frequency** | 50 to 60 Hz |
| **Inrush current** | 16 A |
| **Inrush time** | 0.220 ms |
| **Power Consumption** | 18.3 W |
| **Power Factor (Fraction)** | 0.9 |
| **Connection** | Connection unit 5-pole |
| **Cable** | – |
| **Number of products on MCB of 16 A type B** | 24 |

## Temperature

| | |
|---|---|
| **Ambient temperature range** | +10 to +40 °C |

## Controls and Dimming

| | |
|---|---|
| **Dimmable** | Yes |
| **Driver/power unit/transformer** | Power supply unit with DALI interface, DC compatible, external |
| **Control interface** | DALI |
| **Constant light output** | No |

## Mechanical and Housing

| | |
|---|---|
| **Housing Material** | Plastic |
| **Reflector material** | Polycarbonate aluminum coated |
| **Optic material** | – |
| **Optical cover material** | Polycarbonate |
| **Fixation material** | – |
| **Housing Color** | Black RAL 9004 |
| **Optical cover finish** | Opal |

| | |
|---|---|
| **Overall height** | 208 mm |
| **Overall diameter** | 218 mm |

## Approval and Application

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

## Initial Performance (IEC Compliant)

| | |
|---|---|
| **Luminous flux tolerance** | +/-10% |
| **Initial chromaticity** | (0.43, 0.40) 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 |
| **Maximum dim level** | 1% |
| **Suitable for random switching** | No |

## Product Data

| | |
|---|---|
| **Order product name** | DN471T LED20S/830 PSED-E D22H16 5C6 BK |
| **Full product name** | DN471T LED20S/830 PSED-E D22H16 5C6 BK |
| **Full product code** | 871869907141700 |
| **Order code** | 910504110403 |
| **Material Nr. (12NC)** | 910504110403 |
| **Numerator – Quantity Per Pack** | 1 |
| **EAN/UPC – Product/Case** | 8718699071417 |
| **Numerator – Packs per outer box** | 1 |
| **EAN/UPC – Case** | 8718699071417 |

# GreenSpace

**Dimensional drawing**

www.lighting.philips.com

2023, September 4 – data subject to change