

# GreenSpace

## DN470B LED20S/840 PSED-E C WH GC

GreenSpace Compact UGR22 - LED Module, system flux 2000 lm - 840 neutral white - Power supply unit with DALI interface external, DC compatible for central emergency lighting - Wire-protected, splash-proof - White

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 color performance and high color rendering. The product's long lifetime makes it a true 'fit and forget' solution.

### Product data

| General Information | |
|---|---|
| **Number of light sources** | 1 [ 1 pc] |
| **Lamp family code** | LED20S [ LED Module, system flux 2000 lm] |
| **Beam angle of light source** | 120 ° |
| **Light source colour** | 840 neutral white |
| **Cap base** | - [ -] |
| **Light source replaceable** | No |
| **Number of gear units** | 1 unit |
| **Gear** | - |
| **Driver/power unit/transformer** | PSED-E [ Power supply unit with DALI interface external, DC compatible for central emergency lighting] |
| **Driver included** | Yes |
| **Optic type** | C [ High-gloss mirror] |

| | |
|---|---|
| **Luminaire light beam spread** | 88° |
| **Emergency lighting** | No [ -] |
| **Control interface** | DALI |
| **Connection** | Push-in connector and pull relief |
| **Cable** | - |
| **Protection class IEC** | Safety class II |
| **Glow-wire test** | Temperature 850 °C, duration 5 s |
| **Flammability mark** | F [ For mounting on normally flammable surfaces] |
| **CE mark** | CE mark |
| **ENEC mark** | ENEC mark |
| **Warranty period** | 5 years |
| **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. |
| **Constant light output** | No |
| **Number of products on MCB** | 24 |
| **RoHS mark** | RoHS mark |
| **Product Family Code** | DN470B [ GreenSpace Compact UGR22] |
| **Unified glare rating CEN** | 22 |

## Light Technical

| | |
|---|---|
| **Optical cover/lens type accessory** | GC [ Glass cover clear] |

## Operating and Electrical

| | |
|---|---|
| **Electrical accessories** | No [ -] |
| **Input voltage** | 220 to 240 V |
| **Input frequency** | 50 to 60 Hz |
| **Control signal voltage** | 0-16 V DC DALI |
| **Inrush current** | 16 A |
| **Inrush time** | 0.22 ms |
| **Power factor (min.)** | 0.9 |

## Controls and Dimming

| | |
|---|---|
| **Dimmable** | Yes |

## Mechanical and Housing

| | |
|---|---|
| **Housing material** | Aluminium |
| **Reflector material** | Polycarbonate aluminium coated |
| **Optic material** | Polycarbonate |
| **Optical cover/lens material** | Glass |
| **Fixation material** | - |
| **Optical cover/lens finish** | Clear |
| **Overall height** | 95 mm |
| **Overall diameter** | 216 mm |
| **Colour** | White |

## Approval and Application

| | |
|---|---|
| **Ingress protection code** | IP44 [ Wire-protected, splash-proof] |
| **Mech. impact protection code** | IK02 [ 0.2 J standard] |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| **Initial luminous flux** | 2200 lm |
| **Luminous flux tolerance** | +/-10% |
| **Initial LED luminaire efficacy** | 118.28 lm/W |
| **Init. Corr. colour temperature** | 4000 K |
| **Init. colour rendering index** | 80 |
| **Initial chromaticity** | (0.38, 0.38) SDCM <5 |
| **Initial input power** | 18.6 W |
| **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** | L80 |

## Application Conditions

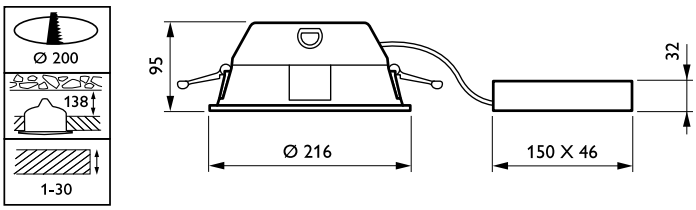
| | |
|---|---|
| **Ambient temperature range** | +10 to +40 °C |
| **Performance ambient temperature Tq** | 25 °C |
| **Maximum dimming level** | 1% |
| **Suitable for random switching** | Yes (relates to presence/ movement detection and daylight harvesting) |

## Product Data

| | |
|---|---|
| **Full product code** | 871869624346600 |
| **Order product name** | DN470B LED20S/840 PSED-E C WH GC |
| **EAN/UPC – product** | 8718696243466 |
| **Order code** | 24346600 |
| **Numerator – quantity per pack** | 1 |
| **Numerator – packs per outer box** | 1 |
| **Material no. (12NC)** | 910500454975 |
| **Net weight (piece)** | 1.140 kg |

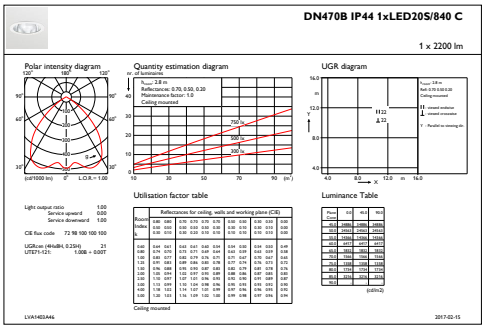
# GreenSpace

## Dimensional drawing

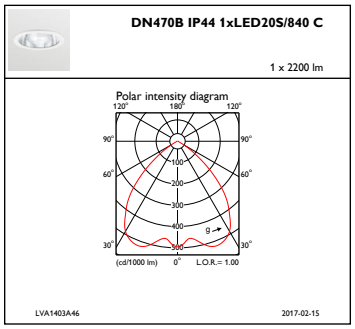



GreenSpace gen2 DN460B-DN473B

## Photometric data




IFGU1_DN470BIP441xLED20S840C




IFPC1_DN470BIP441xLED20S840C

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