



GreenSpace

DN471B LED20S/830 PSU-E C WH P

GreenSpace, downlight, 13.3 W, D200 mm, 1800 lm, 3000 K, UGR19, High-gloss reflector, IP20

downlight, D200 mm, Polycarbonate, White, Signal white (RAL9003), Recessed, Power supply unit external (On/Off), 1800 lm, 13.3 W, 137 lm/W, 3000 K, (0.43, 0.40) SDCM<3, UGR19, High-gloss reflector, IP20 | Finger-protected, IK02 | 0.2 J standard, Safety class II

Product data

| General Information | |
|------------------------------------|--|
| Lamp family code | LED20S [LED Module, system flux 2000 lm] |
| Light source replaceable | No |
| Number of gear units | 1 unit |
| Gear | - |
| Driver included | Yes |
| Service tag | Yes |
| Lighting Technology | LED |
| Mounting | Recessed |
| Value ladder | Specification |
| Warranty period | 5 years |
| Light Technical | |
| Luminous Flux | 1,800 lm |
| Correlated Color Temperature (Nom) | 3000 K |
| Luminous Efficacy (rated) (Nom) | 137 lm/W |
| Color rendering index (CRI) | >80 |
| Number of light sources | 1 |
| Beam angle of light source | - degree(s) |

| Light source color | 830 warm white |
|--|----------------|
| Optic type | - |
| Luminaire light beam spread | 120° |
| Unified glare rating CEN | 19 |
| Operating and Electrical | |
| Input Voltage | 220-240 V |
| Line Frequency | 50 to 60 Hz |
| Initial CLO power consumption | - W W |
| Average CLO power consumption | - W W |
| Inrush current | 14 A |
| Inrush time | 0.130 ms |
| Power Consumption | 13.3 W |
| Power Factor (Fraction) | 0.9 |
| Connection | - |
| Cable | - |
| Number of products on MCB of 16 A type B | 65 |
| Suitable for random switching | Yes |

| | |
|---------------------------|-----------------|
| Protection class IEC | Safety class II |
| Total harmonic distortion | 20 % |

Controls and Dimming

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|-------------------------------|-------------------------------------|
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit external (On/Off) |
| Control interface | - |
| Constant light output | No |
| Maximum dim level | Not applicable |

Mechanical and Housing

| | |
|------------------------------|-------------------------------|
| Housing Material | Polycarbonate |
| Reflector material | Polycarbonate aluminum coated |
| Optic material | Polycarbonate |
| Optical cover material | - |
| Fixation material | - |
| Housing Color | White |
| Optical cover finish | - |
| Reflector Finish | High-gloss reflector |
| Overall height | 94 mm |
| Overall diameter | 216 mm |
| Ingress protection code | IP20 [Finger-protected] |
| Mech. impact protection code | IK02 [0.2 J standard] |
| Mounting | Recessed |
| Net Weight (Piece) | 0.700 kg |

Emergency Operation

| | |
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| Additional max. power consumption when emergency battery is charging | 0 W |
| Central Emergency | No |

Approval and Application

| | |
|------------------------------------|--|
| Glow-wire test | Temperature 750 °C, duration 30 s |
| Flammability mark | - |
| CE mark | Yes |
| ENEC mark | ENEC mark |
| EU RoHS compliant | Yes |
| Performance ambient temperature Tq | 25 °C |
| 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. |
| Ambient temperature range | +10 to +40 °C |

Initial Performance (IEC Compliant)

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|-----------------------------|---------------------|
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.43, 0.40) SDCM<3 |
| Power consumption tolerance | +/-10% |

| | |
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| Standard Deviation of Colour Matching (McAdam ellipse) | SDCM≤3 |
|--|--------|

Over Time Performance (IEC Compliant)

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| Driver failure rate at 5000 h | 1 % |
| Control gear failure rate at median useful life 50000 h | 10 % |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h | L90 |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h | - |

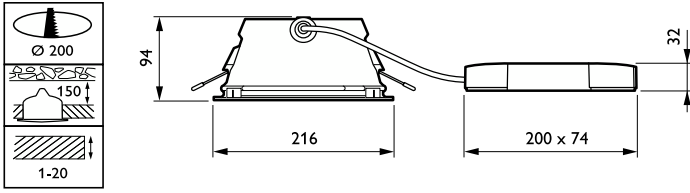
Sustainability Data

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|--|---|
| Sustainability rating | Unclassified |
| Repair class | Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time. |
| Embedded carbon (A1-A3) | 10.9 kg CO _{2e} |
| Product non-virgin material ratio | 13.1 % |
| Recyclable content ratio of the finished product | 47 % |
| GWP total B6 (kg CO _{2eq}) Declared Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO _{2eq} / kWh) |
| GWP total B6 (kg CO _{2eq}) Functional Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) / lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO _{2eq} / kWh) |
| Non-virgin material ratio of the packaging | Cardboard > 80% recycled Plastic >35% recycled |
| Packaging Recyclable content ratio | Cardboard recycling rate > 80% Plastic recycling rate > 40% |
| Packaging Material | Cardboard Plastic |

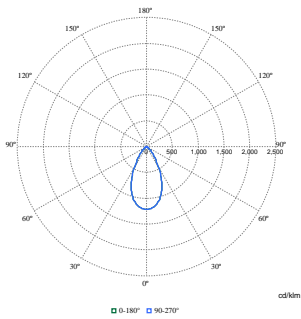
Product Data

| | |
|---------------------------------|----------------------------------|
| Order product name | DN471B LED20S/830 PSU-E C WH P |
| Full product name | DN471B LED20S/830 PSU-E C WH P |
| Full product code | 871869979331900 |
| Order code | 79331900 |
| Material Nr. (12NC) | 912500100526 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718699793319 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718699793319 |
| Product family code | DN471B [200mm + anti-glare ring] |

Dimensional drawing



Photometric data



Polar Normal (separate) - DN460BN - 912500100526

