



GreenSpace

DN470B LED20S/830 PSE-E C WH GC

200mm, LED Module, system flux 2000 lm, 830 warm 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 color performance and high color 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 | 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. |
| 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 | 2,150 lm |
| Correlated Color Temperature (Nom) | 3000 K |
| Luminous Efficacy (rated) (Nom) | 115.59 lm/W |
| Color rendering index (CRI) | 80 |

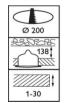
Datasheet, 2023, April 29 data subject to change

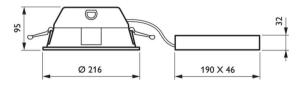
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| Number of light sources Beam angle of light source Light source color Optic type Liminaire light beam spread Unified glare rating CEN Operating and Electrical Input Voltage Line Frequency Inrush current Inrush time Option Power Factor (Fraction) Cable Temperature Ambient temperature range Temperature Constant light output Mechanical and Housing Housing Material Reflector material Optical cover material Optical Color Optical Light sources I 120 degree(s) 120 degree 120 degre | | |
|--|--|---|
| Light source color Optic type 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) Operating Cable - Number of products on MCB of 16 A type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable No Driver/power unit/transformer Constant light output No Mechanical and Housing Housing Material Reflector material Optic material Optic acover finish Clear High-gloss mirror 22 Range Reflector first Reflector first Clear | Number of light sources | 1 |
| Optic type 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 Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable No Driver/power unit/transformer Constant light output No Mechanical and Housing Housing Material Reflector material Polycarbonate Optic material Optic material Optic material Optical cover finish Clear | Beam angle of light source | 120 degree(s) |
| Luminaire light beam spread 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 Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable No Driver/power unit/transformer Constant light output No Mechanical and Housing Housing Material Reflector material Polycarbonate aluminum coated Optic material Optical cover material Fixation material Fixation material Housing Color White RAL 9003 Optical cover finish Controls and Controls and Controls and Controls aluminum Coated Coptical cover finish Clear | Light source color | 830 warm white |
| 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 Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable No Driver/power unit/transformer Constant light output No Mechanical and Housing Housing Material Reflector material Optic material Optic material Optical cover material Fixation material Housing Color White RAL 9003 Optical cover finish Control Clear | Optic type | High-gloss mirror |
| 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 B 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 Glass Fixation material - Housing Color White RAL 9003 Optical cover finish Clear | Luminaire light beam spread | 88° |
| 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 B 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 Glass Fixation material - Optical cover material Clear White RAL 9003 Optical cover finish Clear | Unified glare rating CEN | 22 |
| 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 B 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 Glass Fixation material - Optical cover material Clear White RAL 9003 Optical cover finish Clear | | |
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| 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 B 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 Glass Fixation material - Housing Color White RAL 9003 Optical cover finish Clear | Line Frequency | 50 to 60 Hz |
| 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 B 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 Glass Fixation material - Housing Color White RAL 9003 Optical cover finish Clear | Inrush current | 14 A |
| Power Factor (Fraction) Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A type B 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 Reflector material Optic material Optic material Optical cover material Glass Fixation material Housing Color White RAL 9003 Optical cover finish Cable - Rush-in connector and pull relief Poush-in connector and pull relief Aubiend Aubien Color Push-in connector and pull relief Poush-in connector and pull relief Aubien Color Aubien Color Push-in connector and pull relief Aubien Color Aubien Color Push-in connector and pull relief Aubien Color Aubien Color Push-in connector and pull relief Aubien Color Aubien Color Push-in connector and pull relief Aubien Color Aubien Color Push-in connector and pull relief Aubien Color Aubien C | Inrush time | 0.24 ms |
| Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A type 30 B 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 Glass Fixation material - Housing Color White RAL 9003 Optical cover finish Clear | Power Consumption | 18.6 W |
| Cable Number of products on MCB of 16 A type B 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 Glass Fixation material - Housing Color White RAL 9003 Optical cover finish Clear | Power Factor (Fraction) | 0.9 |
| Number of products on MCB of 16 A type B 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 Glass Fixation material - Housing Color White RAL 9003 Optical cover finish Clear | Connection | Push-in connector and pull relief |
| 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 Glass Fixation material - Housing Color White RAL 9003 Optical cover finish Clear | Cable | - |
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| 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 Glass Fixation material - Housing Color White RAL 9003 Optical cover finish Clear | В | |
| 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 Glass Fixation material - Housing Color White RAL 9003 Optical cover finish Clear | | |
| 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 Optical cover material Glass Fixation material - Housing Color White RAL 9003 Optical cover finish Clear | Temperature | |
| 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 Optical cover material Glass Fixation material Housing Color White RAL 9003 Optical cover finish Clear | Ambient temperature range | +10 to +40 °C |
| 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 Optical cover material Glass Fixation material Housing Color White RAL 9003 Optical cover finish Clear | | |
| Driver/power unit/transformer Constant light output No Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Optical cover finish Power supply unit DC compatible, external Reflector material and Housing Aluminum Polycarbonate aluminum coated Optical cover material Glass Fixation material - Housing Color White RAL 9003 Optical cover finish Clear | Controls and Dimming | |
| Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Optical cover finish No Aluminum Polycarbonate aluminum coated Opticarbonate Glass Fixation material - Housing Color White RAL 9003 Clear | Dimmable | No |
| Mechanical and Housing Housing Material Aluminum Reflector material Polycarbonate aluminum coated Optic material Polycarbonate Optical cover material Glass Fixation material - Housing Color White RAL 9003 Optical cover finish Clear | Driver/power unit/transformer | Power supply unit DC compatible, external |
| Housing Material Aluminum Reflector material Polycarbonate aluminum coated Optic material Polycarbonate Optical cover material Glass Fixation material - Housing Color White RAL 9003 Optical cover finish Clear | Constant light output | No |
| Housing Material Aluminum Reflector material Polycarbonate aluminum coated Optic material Polycarbonate Optical cover material Glass Fixation material - Housing Color White RAL 9003 Optical cover finish Clear | | |
| Reflector material Polycarbonate aluminum coated Optic material Polycarbonate Optical cover material Glass Fixation material - Housing Color White RAL 9003 Optical cover finish Clear | Mechanical and Housing | |
| Optic material Polycarbonate Optical cover material Glass Fixation material - Housing Color White RAL 9003 Optical cover finish Clear | Housing Material | Aluminum |
| Optical cover material Glass Fixation material - Housing Color White RAL 9003 Optical cover finish Clear | Reflector material | Polycarbonate aluminum coated |
| Fixation material - Housing Color White RAL 9003 Optical cover finish Clear | Optic material | Polycarbonate |
| Housing Color White RAL 9003 Optical cover finish Clear | Optical cover material | Glass |
| Optical cover finish Clear | Fixation material | - |
| | Housing Color | White RAL 9003 |
| Overall height 95 mm | Optical cover finish | Clear |
| | Overall height | 95 mm |

| 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 | (0.44, 0.40) SDCM<3 | |
| Power consumption tolerance | +/-5% | |
| | | |
| Over Time Performance (IEC Compliant) | | |
| Control gear failure rate at median useful | 5 % | |
| life 50000 h | | |
| Lumen maintenance at median useful | L90 | |
| life* 50000 h | | |
| Lumen maintenance at median useful | L80 | |
| life* 100000 h | | |
| | | |
| Application Conditions | | |
| Performance ambient temperature Tq | 25 °C | |
| Suitable for random switching | Yes | |
| | | |
| Product Data | | |
| Order product name | DN470B LED20S/830 PSE-E C WH GC | |
| Full product name | DN470B LED20S/830 PSE-E C WH GC | |
| Full product code | 871869624339800 | |
| Order code | 24339800 | |
| Material Nr. (12NC) | 910500454968 | |
| Numerator - Quantity Per Pack | 1 | |
| EAN/UPC - Product/Case | 8718696243398 | |
| Numerator - Packs per outer box | 1 | |
| EAN/UPC - Case | 8718696243398 | |

Dimensional drawing





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