



# LuxSpace, recessed

## DN571B LED20S/830 PSD-VLC-E C PG WH

LUXSPACE 2 COMPACT DEEP - LED Module, system flux 2000 lm - 830 warm white - Power supply unit with DALI interface, DC compatible, external - High-gloss mirror - Protection glass - White RAL 9003

Customers are looking to optimize all their resources, and that means not just their running costs (energy, etc.) but also their human resources. Energy savings are therefore a priority, but they must not have an adverse effect on the well-being of employees, who need a pleasant environment in order to be more productive, or on customers, who want to enjoy their shopping experience. LuxSpace provides the perfect combination of efficiency, light comfort and design, without compromising on lighting performance (color rendering and color uniformity). It offers a wide choice of options for creating the desired ambience, no matter the application. For office applications LuxSpace supports the general feeling of health and wellbeing having dedicated Tunable White products

### Product data

| General Information           |  |                             |   |
|-------------------------------|--|-----------------------------|---|
| Number of light sources       | 1 pc   | Optic type                  | High-gloss mirror                           |
| Lamp family code              | LED20S [ LED Module, system flux 2000 lm]                      | Optical cover/lens type     | Protection glass                            |
| Light source color            | 830 warm white   | Luminaire light beam spread | 70°   |
| Cap-Base                      | - [-]  | Emergency lighting          | -   |
| Light source replaceable      | No   | Control interface           | DALI  |
| Number of gear units          | 1 unit   | Connection                  | Push-in connector and pull relief           |
| Gear                          | -  | Cable                       | -   |
| Driver/power unit/transformer | Power supply unit with DALI interface, DC compatible, external | Protection class IEC        | Safety class II                             |
| Driver included               | Yes  | Glow-wire test              | Temperature 850 °C, duration 5 s            |
|                               |  | Flammability mark           | For mounting on normally flammable surfaces |
|                               |  | CE mark                     | CE mark                                     |

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|  |   |
|--|---|
| ENEC mark                                | ENEC mark   |
| UL mark                                  | -   |
| Warranty period                          | 5 years   |
| Decorative accessories                   | -   |
| 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 of 16 A type B | 24  |
| Product family code                      | DN571B [ LUXSPACE 2 COMPACT DEEP]   |
| Unified glare rating CEN                 | 19  |

### Light Technical

|                                   |                  |
|-----------------------------------|------------------|
| Optical cover/lens type accessory | Protection glass |
|-----------------------------------|------------------|

### Operating and Electrical

|                        |                |
|------------------------|----------------|
| Input Voltage          | 220 to 240 V   |
| Input Frequency        | 50 to 60 Hz    |
| Control signal voltage | 0-16 V DC DALI |
| Inrush current         | 20.4 A         |
| Inrush time            | 0.195 ms       |
| Power Factor (Min)     | 0.9            |

### Controls and Dimming

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

### Mechanical and Housing

|                             |                               |
|-----------------------------|-------------------------------|
| Housing configuration       | Basic version                 |
| Housing Material            | Aluminum die cast             |
| Reflector material          | Polycarbonate aluminum coated |
| Optic material              | Polycarbonate                 |
| Optical cover/lens material | Polycarbonate                 |
| Fixation material           | Steel                         |
| Optical cover/lens finish   | Frosted                       |
| Overall height              | 119 mm                        |
| Overall diameter            | 214 mm                        |
| Color                       | White RAL 9003                |

|                                     |   |
|-------------------------------------|---|
| Dimensions (Height x Width x Depth) | 119 x NaN x NaN mm (4.7 x NaN x NaN in) |
|-------------------------------------|---|

### Approval and Application

|                              |  |
|------------------------------|--|
| Ingress protection code      | IP20/54 [ Finger-protected; dust accumulation-protected, splash-proof] |
| Mech. impact protection code | IK02 [ 0.2 J standard]   |

### Initial Performance (IEC Compliant)

|                                     |                      |
|-------------------------------------|----------------------|
| Initial luminous flux (system flux) | 2000 lm              |
| Luminous flux tolerance             | +/-10%               |
| Initial LED luminaire efficacy      | 105 lm/W             |
| Init. Corr. Color Temperature       | 3000 K               |
| Init. Color Rendering Index         | >80                  |
| Initial chromaticity                | (0.43, 0.40) SDCM <3 |
| Initial input power                 | 19 W                 |
| Power consumption tolerance         | +/-10%               |

### Over Time Performance (IEC Compliant)

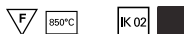
|   |     |
|---|-----|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Lumen maintenance at median useful life* 50000 h        | L90 |

### Application Conditions

|                                    |               |
|------------------------------------|---------------|
| Ambient temperature range          | +10 to +25 °C |
| Performance ambient temperature Tq | 25 °C         |
| Maximum dim level                  | 1%            |
| Suitable for random switching      | Yes           |

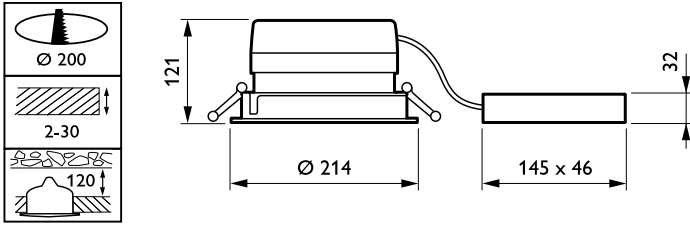
### Product Data

|                                 |                                     |
|---------------------------------|-------------------------------------|
| Full product code               | 871829193142300                     |
| Order product name              | DN571B LED20S/830 PSD-VLC-E C PG WH |
| EAN/UPC - Product               | 8718291931423                       |
| Order code                      | 910503596615                        |
| Numerator - Quantity Per Pack   | 1                                   |
| Numerator - Packs per outer box | 1                                   |
| Material Nr. (12NC)             | 910503596615                        |
| Net Weight (Piece)              | 1.246 kg                            |



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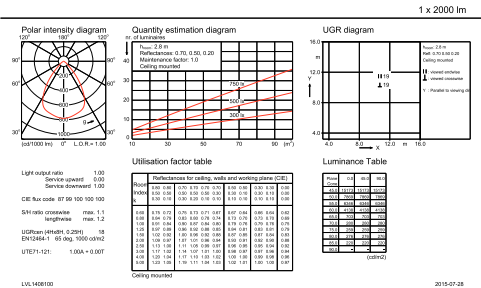
## Dimensional drawing



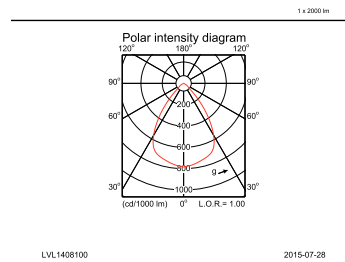
### LuxSpace gen2 DN570B-DN572B

## Photometric data

DN571B PSED-E 1xLED20S/830 C PG



DN571B PSED-E 1xLED20S/830 C PG



### IFGU\_DN571B PSED-E 1xLED20S/830 C PG-General uniform lighting

### IFPC\_DN571B PSED-E 1xLED20S/830 C PG-Polar Indoor (combined)

