



# LuxSpace, recessed

## DN571B LED20S/840 PSD-VLC-E F WH

LUXSPACE 2 COMPACT DEEP - LED Module, system flux 2000 lm - 840 neutral white - Power supply unit with DALI interface, DC compatible, external - Facetted reflector - 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   | Optical cover/lens type     | -   |
| Lamp family code              | LED20S [ LED Module, system flux 2000 lm]                      | Luminaire light beam spread | 70°   |
| Light source color            | 840 neutral white  | Emergency lighting          | -   |
| Cap-Base                      | - [ -]   | Control interface           | DALI  |
| Light source replaceable      | No   | Connection                  | Push-in connector and pull relief           |
| Number of gear units          | 1 unit   | Cable                       | -   |
| Gear                          | -  | Protection class IEC        | Safety class II                             |
| Driver/power unit/transformer | Power supply unit with DALI interface, DC compatible, external | Glow-wire test              | Temperature 850 °C, duration 5 s            |
| Driver included               | Yes  | Flammability mark           | For mounting on normally flammable surfaces |
| Optic type                    | Facetted reflector   | CE mark                     | CE mark                                     |
|                               |  | ENEC mark                   | ENEC mark                                   |

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|  |   |
|--|---|
| 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 | - |
|-----------------------------------|---|

### 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 [ Finger-protected] |
| Mech. impact protection code | IK02 [ 0.2 J standard]   |

### Initial Performance (IEC Compliant)

|                                     |                      |
|-------------------------------------|----------------------|
| Initial luminous flux (system flux) | 2100 lm              |
| Luminous flux tolerance             | +/-10%               |
| Initial LED luminaire efficacy      | 121 lm/W             |
| Init. Corr. Color Temperature       | 4000 K               |
| Init. Color Rendering Index         | >80                  |
| Initial chromaticity                | (0.38, 0.37) SDCM <3 |
| Initial input power                 | 17.4 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               | 871829193124900                  |
| Order product name              | DN571B LED20S/840 PSD-VLC-E F WH |
| EAN/UPC - Product               | 8718291931249                    |
| Order code                      | 910503594815                     |
| Numerator - Quantity Per Pack   | 1                                |
| Numerator - Packs per outer box | 1                                |
| Material Nr. (12NC)             | 910503594815                     |
| Net Weight (Piece)              | 1.080 kg                         |



