



# LuxSpace, recessed

## DN571B LED20S/830 PSD-VLC-E WR WH

LUXSPACE 2 COMPACT DEEP, LED Module, system flux 2000 lm, 830 warm white, Power supply unit with DALI interface, DC compatible, external, White reflector without louver, White RAL 9003

Customers are looking to optimize all their resources, and that means not just their running costs (energy, etc.) but also user costs where they see much bigger impact on return. Therefore, LuxSpace is designed to provide the perfect combination of efficiency, visual comfort and design, without compromising on lighting performance (color rendering and light distribution). It offers a wide choice of options for creating the desired ambience to support user comfort, no matter the application is. For office applications LuxSpace supports health and wellbeing having dedicated Tunable White products and lighting controls.

### Product data

| General Information      |  |                     |   |
|--------------------------|--|---------------------|---|
| Lamp family code         | LED20S [LED Module, system flux 2000 lm]   |                     | B10. Therefore, the median useful life (B50) value also represents the B10 value. |
| Cap-Base                 | - [-]  | Product family code | DN571B [LUXSPACE 2 COMPACT DEEP]  |
| Light source replaceable | No   | Lighting Technology | LED   |
| Number of gear units     | 1 unit   | Value ladder        | Specification   |
| Gear                     | -  | CE mark             | Yes   |
| Driver included          | Yes  | 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 | Flammability mark   | For mounting on normally flammable surfaces                                       |
|                          |  | ENEC mark           | ENEC mark   |
|                          |  | Glow-wire test      | Temperature 850 °C, duration 5 s  |
|                          |  | EU RoHS compliant   | No  |

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### Light Technical

|                                    |                                |
|------------------------------------|--------------------------------|
| Luminous Flux                      | 2,000 lm                       |
| Correlated Color Temperature (Nom) | 3000 K                         |
| Luminous Efficacy (rated) (Nom)    | 105 lm/W                       |
| Color rendering index (CRI)        | >80                            |
| Number of light sources            | 1                              |
| Light source color                 | 830 warm white                 |
| Optic type                         | White reflector without louver |
| Optical cover type                 | -                              |
| Luminaire light beam spread        | 70°                            |
| Unified glare rating CEN           | 25                             |

### Operating and Electrical

|  |                                   |
|--|-----------------------------------|
| Input Voltage                            | 220 to 240 V                      |
| Line Frequency                           | 50 to 60 Hz                       |
| Inrush current                           | 20.4 A                            |
| Inrush time                              | 0.195 ms                          |
| Power Consumption                        | 19 W                              |
| Power Factor (Fraction)                  | 0.9                               |
| Connection                               | Push-in connector and pull relief |
| Cable                                    | -                                 |
| Number of products on MCB of 16 A type B | 24                                |

### Temperature

|                           |               |
|---------------------------|---------------|
| Ambient temperature range | +10 to +25 °C |
|---------------------------|---------------|

### Controls and Dimming

|                               |  |
|-------------------------------|--|
| Dimmable                      | Yes  |
| Driver/power unit/transformer | Power supply unit with DALI interface, DC compatible, external |
| Control interface             | DALI   |
| Constant light output         | No   |

### Mechanical and Housing

|                        |                               |
|------------------------|-------------------------------|
| Housing Material       | Aluminum die cast             |
| Reflector material     | Polycarbonate aluminum coated |
| Optic material         | Polycarbonate                 |
| Optical cover material | Polycarbonate                 |
| Fixation material      | Steel                         |

|                      |                |
|----------------------|----------------|
| Housing Color        | White RAL 9003 |
| Optical cover finish | Frosted        |
| Overall height       | 119 mm         |
| Overall diameter     | 214 mm         |

### Approval and Application

|                              |                         |
|------------------------------|-------------------------|
| Ingress protection code      | IP20 [Finger-protected] |
| 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        | (0.43, 0.40) SDCM <3 |
| 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 |
| Lumen maintenance at median useful life* 100000 h       | L80 |

### Application Conditions

|                                    |       |
|------------------------------------|-------|
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level                  | 1%    |
| Suitable for random switching      | Yes   |

### Product Data

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Order product name              | DN571B LED20S/830 PSD-VLC-E WR WH |
| Full product name               | DN571B LED20S/830 PSD-VLC-E WR WH |
| Full product code               | 871829193128700                   |
| Order code                      | 910503595215                      |
| Material Nr. (12NC)             | 910503595215                      |
| Numerator - Quantity Per Pack   | 1                                 |
| EAN/UPC - Product/Case          | 8718291931287                     |
| Numerator - Packs per outer box | 1                                 |
| EAN/UPC - Case                  | 8718291931287                     |

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Dimensional drawing

