



LuxSpace PoE

DN570B LED24S/830 POE F WH

LuxSpace PoE, 20 W, 2600 lm, 3000 K, Power over Ethernet, Frosted

With Power-over-Ethernet (PoE) technology, LuxSpace PoE receives power and data over a single standard Ethernet cable, eliminating the need for separate power cabling. With the simple click of a connector, LuxSpace PoE luminaires become part of a complete, integrated connected lighting system, delivering extraordinary illumination experiences and value beyond illumination. A built-in lighting and control system gives office users personal control over their preferred light settings via a specially designed smartphone app. With integrated sensors, LuxSpace PoE luminaires can track activity patterns, daylight levels, and in the near future humidity, CO2, temperature, or other data. This data allows facility managers to gain deep insight into building operations, helping them optimize the delivery of resources, enhance the experience and performance of occupants, and support improved asset management.

Product data

| General Information | | | |
|--------------------------|--|---------------------|---|
| Lamp family code | LED24S [LED module, system flux 2400 lm] | | B10. Therefore, the median useful life (B50) value also represents the B10 value. |
| Cap-Base | - [-] | Product family code | DN570B [LUXSPACE 2 COMPACT LOW HEIGHT] |
| Light source replaceable | No | Lighting Technology | LED |
| Number of gear units | 1 unit | Glow-wire test | Temperature 850 °C, duration 5 s |
| Gear | - | Flammability mark | For mounting on normally flammable surfaces |
| Driver included | Yes | CE mark | 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 | ENEC mark | ENEC mark |
| | | Warranty period | 5 years |
| | | EU RoHS compliant | No |

LuxSpace PoE

| | |
|--------------|---------------|
| Value ladder | Specification |
|--------------|---------------|

Light Technical

| | |
|------------------------------------|--------------------|
| Luminous Flux | 2,600 lm |
| Correlated Color Temperature (Nom) | 3000 K |
| Luminous Efficacy (rated) (Nom) | 130 lm/W |
| Color rendering index (CRI) | >80 |
| Light source color | 830 warm white |
| Optic type | Facetted reflector |
| Luminaire light beam spread | 80° |
| Unified glare rating CEN | 22 |

Operating and Electrical

| | |
|--|----------------|
| Input Voltage | 48 to 54 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 5 A |
| Inrush time | 1 ms |
| Power Consumption | 20 W |
| Power Factor (Fraction) | 1 |
| Connection | RJ45 connector |
| Cable | - |
| Number of products on MCB of 16 A type | - |
| B | |

Temperature

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

Controls and Dimming

| | |
|-------------------------------|---|
| Dimmable | Yes |
| Driver/power unit/transformer | Luminaire controller with power over Ethernet |
| Control interface | Power over Ethernet |
| 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 | 96.5 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 III |

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 |

Application Conditions

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

Product Data

| | |
|---------------------------------|----------------------------|
| Order product name | DN570B LED24S/830 POE F WH |
| Full product name | DN570B LED24S/830 POE F WH |
| Full product code | 871829194356300 |
| Order code | 910503706669 |
| Material Nr. (12NC) | 910503706669 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718291943563 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718291943563 |

Dimensional drawing

