



GentleSpace Green Warehouse system

BY471X GRN250S/840 NB PC ACW WH

GentleSpace GreenWarehouse, LED GreenLine system flux 25000 lm, 840 neutral white, Narrow beam, Polycarbonate bowl/cover, ActiLume wireless, White

This dedicated system makes it easy for warehouse developers and facility managers to achieve maximum energy savings. It seamlessly integrates state-of-the-art LED lighting with an easy-to-use and reliable networked control solution. When the situation on the work floor changes, settings such as dimming levels and timing can be changed wirelessly by the end-users themselves. Luminaires can be combined in groups across the layout, and re-zoning them does not require a hardware change, thus minimizing commissioning costs. The system delivers savings over and above the actual efficiency of the LEDs and is future-proof. Easy to understand, easy to design-in, and easy to use, the GreenWarehouse is simplicity itself.

Product data

| General Information | | |
|--------------------------|--|---|
| Lamp family code | GRN250S [LED GreenLine system flux 25000 lm] | maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value. |
| Light source replaceable | Yes | |
| Number of gear units | 2 units | |
| Driver included | Yes | |
| Remarks | *- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen | |
| Product family code | BY471X [GentleSpace GreenWarehouse] | |
| Lighting Technology | LED | |
| Embedded control | ActiLume wireless | |
| CE mark | Yes | |
| Warranty period | 5 years | |
| Flammability mark | For mounting on easily flammable surfaces | |

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| | |
|-------------------|----------------------------------|
| ENEC mark | ENEC mark |
| Glow-wire test | Temperature 650 °C, duration 5 s |
| EU RoHS compliant | Yes |

Light Technical

| | |
|----------------------------------|--------------------------|
| Luminous Flux | 25,000 lm |
| Correlated Colour Temperature | 4000 K |
| Luminous efficacy (rated) (nom.) | 152 lm/W |
| Colour rendering index (CRI) | ≥80 |
| Beam angle of light source | 114 degree(s) |
| Light source colour | 840 neutral white |
| Optic type | Narrow beam |
| Optical cover type | Polycarbonate bowl/cover |
| Luminaire light beam spread | 25° x 30° |
| Unified Glare Rating (CEN) | 19 |

Operating and Electrical

| | |
|--|---|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 9.6 A |
| Inrush time | 2.3 ms |
| Power Consumption | 165 W |
| Power Factor (Fraction) | 0.9 |
| Connection | External connector |
| Cable | Cable 0.5 m with cable connector 3-pole |
| Number of products on MCB of 16 A type B | 6 |

Temperature

| | |
|---------------------------|---------------|
| Ambient temperature range | -20 to +45 °C |
|---------------------------|---------------|

Controls and Dimming

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

Mechanical and Housing

| | |
|-----------------------------|-----------------|
| Housing material | Aluminium |
| Reflector material | - |
| Optic material | Acrylate |
| Optical cover/lens material | Polycarbonate |
| Fixation material | Stainless steel |
| Housing Colour | White |

| | |
|-------------------------------------|--------------------|
| Optical cover/lens finish | Clear |
| Overall length | 647 mm |
| Overall width | 450 mm |
| Overall height | 211 mm |
| Dimensions (height x width x depth) | 211 x 450 x 647 mm |

Approval and Application

| | |
|------------------------------|--|
| Ingress protection code | IP65 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK07 [2 J reinforced] |
| Protection class IEC | Safety class I |

Initial Performance (IEC Compliant)

| | |
|-----------------------------|----------------------|
| Luminous flux tolerance | +/-7% |
| Initial chromaticity | (0.38, 0.38) SDCM <3 |
| Power consumption tolerance | +/-11% |

Over Time Performance (IEC Compliant)

| | |
|---|------|
| Control gear failure rate at median useful life 50,000 h | 5 % |
| Control gear failure rate at median useful life 100,000 h | 10 % |
| Lumen maintenance at median useful life* 50,000 h | L85 |
| Lumen maintenance at median useful life* 100,000 h | L70 |

Application Conditions

| | |
|------------------------------------|-------|
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level | 10% |
| Suitable for random switching | Yes |

Product Data

| | |
|-----------------------------------|---------------------------------|
| Order product name | BY47IX GRN250S/840 NB PC ACW WH |
| Full product name | BY47IX GRN250S/840 NB PC ACW WH |
| Full EOC | 871869632176800 |
| Order code | 32176800 |
| Material no. (12 NC) | 910930205935 |
| SAP numerator – quantity per pack | 1 |
| EAN/UPC – Product/Case | 8718696321768 |
| Numerator – packs per outer box | 1 |
| EAN/UPC – Case | 8718696321768 |

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Dimensional drawing

