



# GentleSpace Green Warehouse system

BY470X GRN130S/840 NB GC ACW SI

GentleSpace GreenWarehouse, LED GreenLine system flux 13000 lm, 840 neutral white, Narrow beam, Clear glass, ActiLume wireless, Silver

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         | GRN130S [LED GreenLine system flux 13000 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     | Unit   |   |
| 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      | BY470X [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                    | 13,000 lm         |
| Correlated Colour Temperature    | 4000 K            |
| Luminous efficacy (rated) (nom.) | 148 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               | Clear glass       |
| Luminaire light beam spread      | 30° x 25°         |
| Unified Glare Rating (CEN)       | 19                |

### Operating and Electrical

|  |   |
|--|---|
| Input Voltage                            | 220 to 240 V                            |
| Line Frequency                           | 50 to 60 Hz                             |
| Inrush current                           | 4.8 A                                   |
| Inrush time                              | 2.3 ms                                  |
| Power Consumption                        | 88 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 | 12                                      |

### 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 | Glass           |
| Fixation material           | Stainless steel |
| Housing Colour              | Silver          |

|                                     |                    |
|-------------------------------------|--------------------|
| Optical cover/lens finish           | Clear              |
| Overall length                      | 502 mm             |
| Overall width                       | 350 mm             |
| Overall height                      | 211 mm             |
| Dimensions (height x width x depth) | 211 x 350 x 502 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                | BY470X GRN130S/840 NB GC ACW SI |
| Full product name                 | BY470X GRN130S/840 NB GC ACW SI |
| Full EOC                          | 871869632132400                 |
| Order code                        | 32132400                        |
| Material no. (12 NC)              | 910930205890                    |
| SAP numerator – quantity per pack | 1                               |
| EAN/UPC – Product/Case            | 8718696321324                   |
| Numerator – packs per outer box   | 1                               |
| EAN/UPC – Case                    | 8718696321324                   |

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### Dimensional drawing

