



# 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           |   |                             |  |
|-------------------------------|---|-----------------------------|--|
| Number of light sources       | 8 [ 8 pcs]                                    | Optic type                  | NB [ Narrow beam]                      |
| Lamp family code              | GRN130S [ LED GreenLine system flux 13000 lm] | Optical cover/lens type     | GC [ Clear glass]                      |
| Beam angle of light source    | 114 °   | Luminaire light beam spread | 30° x 25°                              |
| Light source colour           | 840 neutral white                             | Embedded control            | ACW [ ActiLume wireless]               |
| Light source replaceable      | Yes   | Control interface           | -                                      |
| Number of gear units          | 1 unit  | Connection                  | External connector                     |
| Driver/power unit/transformer | PSD [ Power supply unit with DALI interface]  | Cable                       | Cord 0.5 m with cable connector 3-pole |
| Driver included               | Yes   | Protection class IEC        | Safety class I                         |
|                               |   | Mounting                    | SMT [ Suspension set twin, triangle]   |
|                               |   | Glow-wire test              | Temperature 650 °C, duration 5 s       |

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|                             |   |
|-----------------------------|---|
| Flammability mark           | D [ For mounting on easily flammable surfaces]  |
| CE mark                     | CE mark   |
| ENEC mark                   | ENEC mark   |
| Design award-winner marking | Design Award Winner 2014  |
| 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 B10. Therefore the median useful life (B50) value also represents the B10 value. |
| Constant light output       | No  |
| Number of products on MCB   | 12  |
| Product Family Code         | BY470X [ GentleSpace GreenWarehouse]  |
| Unified glare rating CEN    | 19  |

## 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         | 4.8 A          |
| Inrush time            | 2.3 ms         |
| Power factor (min.)    | 0.9            |

## Controls and Dimming

|          |     |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

## Mechanical and Housing

|                                     |   |
|-------------------------------------|---|
| Housing material                    | Aluminium                                 |
| Reflector material                  | -   |
| Optic material                      | Acrylate                                  |
| Optical cover/lens material         | Glass                                     |
| Fixation material                   | Stainless steel                           |
| Optical cover/lens finish           | Clear                                     |
| Overall length                      | 502 mm                                    |
| Overall width                       | 350 mm                                    |
| Overall height                      | 211 mm                                    |
| Colour                              | Silver                                    |
| Dimensions (height x width x depth) | 211 x 350 x 502 mm (8.3 x 13.8 x 19.8 in) |

## Approval and Application

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

## Initial Performance (IEC Compliant)

|                                |                      |
|--------------------------------|----------------------|
| Initial luminous flux          | 13000 lm             |
| Luminous flux tolerance        | +/-7%                |
| Initial LED luminaire efficacy | 148 lm/W             |
| Init. Corr. colour temperature | 4000 K               |
| Init. colour rendering index   | ≥80                  |
| Initial chromaticity           | (0.38, 0.38) SDCM <3 |
| Initial input power            | 88 W                 |
| 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

|                                    |               |
|------------------------------------|---------------|
| Ambient temperature range          | -20 to +45 °C |
| Performance ambient temperature Tq | 25 °C         |
| Maximum dimming level              | 10%           |
| Suitable for random switching      | Yes           |

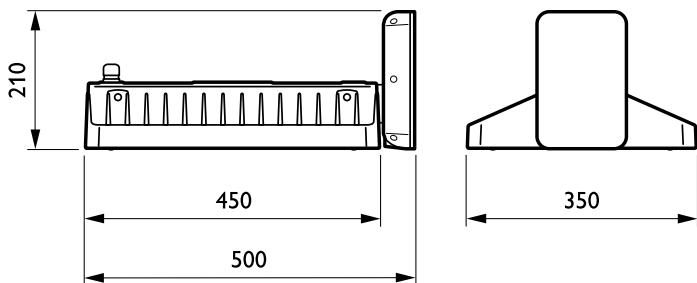
## Product Data

|                                 |                                 |
|---------------------------------|---------------------------------|
| Full product code               | 871869632132400                 |
| Order product name              | BY470X GRN130S/840 NB GC ACW SI |
| EAN/UPC – product               | 8718696321324                   |
| Order code                      | 32132400                        |
| Numerator – quantity per pack   | 1                               |
| Numerator – packs per outer box | 1                               |
| Material no. (12NC)             | 910930205890                    |
| Net weight (piece)              | 9.800 kg                        |



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### Dimensional drawing



GentleSpace Warehouse system BY470X/BY471X

