



GentleSpace Green Warehouse system

BY470X GRN130S/840 MB GC ACW SI

GentleSpace GreenWarehouse - LED GreenLine system flux 13000 lm - 840 neutral white - Medium 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 | MB [Medium 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 | 40° x 40° |
| 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 | 25 |

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

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|----------|-----|
| 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

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

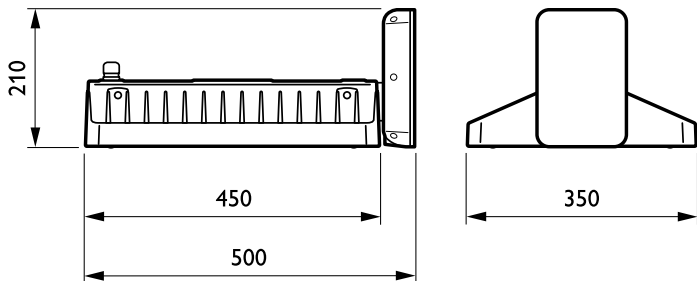
Product Data

| | |
|---------------------------------|---------------------------------|
| Full product code | 871869632133100 |
| Order product name | BY470X GRN130S/840 MB GC ACW SI |
| EAN/UPC – product | 8718696321331 |
| Order code | 32133100 |
| Numerator – quantity per pack | 1 |
| Numerator – packs per outer box | 1 |
| Material no. (12NC) | 910930205891 |
| Net weight (piece) | 9.800 kg |



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Dimensional drawing



GentleSpace Warehouse system BY470X/BY471X

