



GentleSpace gen2

BY470P GRN130S/840 PSED WB GC WH

GentleSpace 2 - LED GreenLine system flux 13,000 lm - 840 neutral white - Power supply unit with DALI interface, DC-compatible for central emergency lighting (integrated) - Wide beam - Clear glass - White

With the introduction of the GentleSpace LED luminaire in 2011, Philips achieved a breakthrough in high-bay lighting, offering a huge reduction in power consumption, a long service life and an innovative design. Now, with GentleSpace gen2, Philips continues to improve even further: an improved total cost of ownership, even in extreme conditions with the the GS-2 Xtreme version, which can be used up to +60 °C or 100,000 hrs of lifetime (L80), both ensured by an integrated over-heat protection. In addition, a wide variety of options – e.g. optics, coatings, mounting possibilities, cover materials and suitable for explosive zones 2/22 – are available to ensure an ideal solution for your application. Additionally, the GentleSpace gen2 can be equipped for use in a central emergency grid (PSED).

Product data

| General Information | | | |
|----------------------------|--|-------------------------------|--|
| Number of light sources | 8 pcs | Driver/power unit/transformer | Power supply unit with DALI interface, DC-compatible for central emergency lighting (integrated) |
| Lamp family code | GRN130S [LED GreenLine system flux 13,000 lm] | Driver included | Yes |
| Beam angle of light source | 114 ° | Optic type | Wide beam |
| Light source color | 840 neutral white | Optical cover/lens type | Clear glass |
| Cap-Base | - [-] | Luminaire light beam spread | 42° x 44° |
| Light source replaceable | Yes | Embedded control | - |
| Number of gear units | 1 unit | Control interface | DALI |
| Gear | EB [Electronic] | Connection | External connector |

GentleSpace gen2

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|---|--|
| Cable | Cord with plug Wieland/Adels compatible 5-pole |
| Protection class IEC | Safety class I |
| Mounting | Suspension set twin, triangle |
| Coating | - |
| Glow-wire test | Temperature 850 °C, duration 5 s |
| Flammability mark | For mounting on easily flammable surfaces |
| CE mark | CE mark |
| ENEC mark | ENEC mark |
| Ball impact resistance mark | - |
| Design Award Winner mark | Design Award Winner 2014 |
| Warranty period | 5 years |
| Suspension accessories | - |
| Constant light output | No |
| Number of products on MCB of 16 A type B 12 | |
| RoHS mark | RoHS mark |
| Product family code | BY470P [GentleSpace 2] |

Operating and Electrical

| | |
|------------------------|----------------|
| Input Voltage | 220-240 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 | Aluminum |
| Reflector material | - |
| Optic material | Acrylate |
| Optical cover/lens material | Glass |
| Gear tray material | Steel |
| Fixation material | Stainless steel |
| Optical cover/lens finish | Clear |
| Overall length | 450 mm |
| Overall width | 350 mm |
| Overall height | 130 mm |

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 (system flux) | 13000 lm |
| Luminous flux tolerance | +/-7% |
| Initial LED luminaire efficacy | 149 lm/W |
| Init. Corr. Color Temperature | 4000 K |
| Init. Color Rendering Index | ≥80 |
| Initial chromaticity | (0.38, 0.38) SDCM <3 |
| Initial input power | 87 W |
| Power consumption tolerance | +/-11% |

Over Time Performance (IEC Compliant)

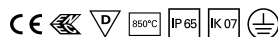
| | |
|-------------------------------|---------|
| Driver failure rate at 5000 h | 0.5 % |
| Median useful life L70B50 | 70000 h |
| Median useful life L80B50 | 50000 h |
| Median useful life L90B50 | 25000 h |

Application Conditions

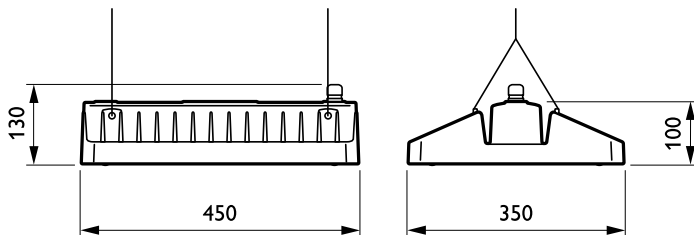
| | |
|-------------------------------|---------------|
| Ambient temperature range | -30 to +45 °C |
| Average ambient temperature | 25 °C |
| Maximum dim level | 10% |
| Suitable for random switching | No |

Product Data

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|---------------------------------|----------------------------------|
| Full product code | 871869632854500 |
| Order product name | BY470P GRN130S/840 PSED WB GC WH |
| EAN/UPC - Product | 8718696328545 |
| Order code | 910930206102 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 1 |
| Material Nr. (12NC) | 910930206102 |
| Net Weight (Piece) | 9.300 kg |

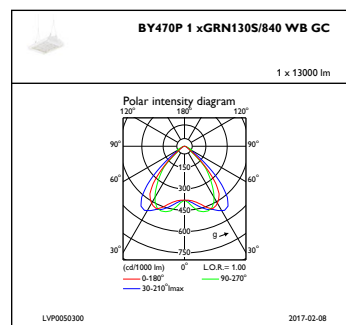
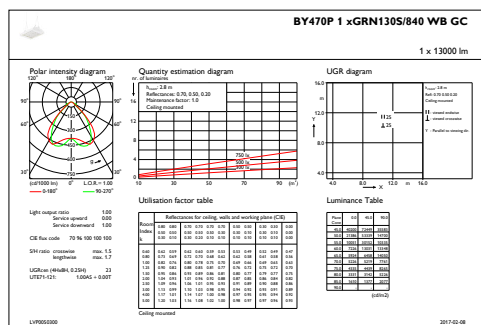


Dimensional drawing



GentleSpace gen2 BY470P/BY471P

Photometric data



IFGU1_BY470P1xGRN130S840WBGC

IFPC1_BY470P1xGRN130S840WBGC

