PHILIPS Lighting



GentleSpace gen2

BY470P GRN130S/840 PSD NB GC BR SI

GentleSpace 2, LED GreenLine system flux 13000 lm, 840 neutral white, Power supply unit with DALI interface, Narrow beam, Clear glass, Silver

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 is setting a new standard in the market, with an improved total cost of ownership, even in extreme conditions. In addition, a high diversity of options are available to ensure an ideal solution for your application like optics, coatings and enabling the use of a central emergency grid (PSED).

Product data

| General Information | |
|--------------------------|---|
| Lamp family code | GRN130S [LED GreenLine system flux 13000 |
| | lm] |
| Cap-Base | - [-] |
| Light source replaceable | Yes |
| Number of gear units | 1 unit |
| Gear | EB [Electronic] |
| Driver included | Yes |
| 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. |

| Service tag | Yes |
|------------------------------------|---|
| Product family code | BY470P [GentleSpace 2] |
| Lighting Technology | LED |
| Embedded control | - |
| CE mark | Yes |
| Warranty period | 5 years |
| Flammability mark | For mounting on easily flammable surfaces |
| ENEC mark | ENEC mark |
| Glow-wire test | Temperature 850 °C, duration 5 s |
| EU RoHS compliant | Yes |
| | |
| Light Technical | |
| Luminous Flux | 13,000 lm |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 149 lm/W |
| | |

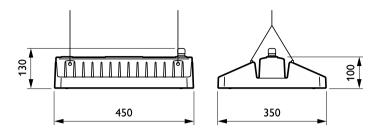
GentleSpace gen2

| Color rendering index (CRI) | ≥80 | Overall height |
|--|--|--|
| Number of light sources | 8 | Dimensions (Height x Width |
| Beam angle of light source | 114 degree(s) | |
| Light source color | 840 neutral white | Approval and Applicatio |
| Optic type | Narrow beam | Ingress protection code |
| Optical cover type | Clear glass | Mech. impact protection cod |
| Luminaire light beam spread | 30° x 25° | Protection class IEC |
| Unified glare rating CEN | 19 | |
| | | Initial Performance (IEC |
| Operating and Electrical | | Luminous flux tolerance |
| Input Voltage | 220-240 V | Initial chromaticity |
| Line Frequency | 50 to 60 Hz | Power consumption toleranc |
| Inrush current | 4.8 A | |
| Inrush time | 2.3 ms | Over Time Performance |
| Power Consumption | 87 W | Control gear failure rate at m |
| Power Factor (Fraction) | 0.9 | life 50000 h |
| Connection | External connector | Control gear failure rate at m |
| Cable | Cord with plug Wieland/Adels compatible 5- | life 100000 h |
| | pole | Lumen maintenance at medi |
| Number of products on MCB of 16 A type | 12 | life* 50000 h |
| В | | Lumen maintenance at media |
| | | life* 100000 h |
| Temperature | | |
| Ambient temperature range | -30 to +45 °C | Application Conditions |
| | | Performance ambient tempe |
| Controls and Dimming | | Maximum dim level |
| Dimmable | Yes | Suitable for random switchin |
| Driver/power unit/transformer | Power supply unit with DALI interface | |
| Control interface | DALI | Product Data |
| Constant light output | No | Order product name |
| | | Full product name |
| Mechanical and Housing | | Full product code |
| Housing Material | Aluminum | Order code |
| Reflector material | - | Material Nr. (12NC) |
| | | |
| Optic material | Acrylate | Local order code |
| Optic material Optical cover material | Acrylate Glass | Numerator - Quantity Per Pa |
| | · · · · · · · · · · · · · · · · · · · | |
| Optical cover material Fixation material | Glass | Numerator - Quantity Per Pa |
| Optical cover material Fixation material Housing Color | Glass Steel | Numerator - Quantity Per Pa EAN/UPC - Product/Case |
| Optical cover material | Glass Steel Silver | Numerator - Quantity Per Pa EAN/UPC - Product/Case Numerator - Packs per outer |

| Overall height | 130 mm | |
|--|--|--|
| Dimensions (Height x Width x Depth) | 130 x 350 x 450 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 | 5 % | |
| life 50000 h | | |
| Control gear failure rate at median useful | 10 % | |
| life 100000 h | | |
| Lumen maintenance at median useful | L85 | |
| life* 50000 h | | |
| Lumen maintenance at median useful | L70 | |
| life* 100000 h | | |
| | | |
| Application Conditions | | |
| Performance ambient temperature Tq | 25 °C | |
| Maximum dim level | 10% | |
| Suitable for random switching | No | |
| | | |
| Product Data | | |
| Order product name | BY470P GRN130S/840 PSD NB GC BR SI | |
| Full product name | BY470P GRN130S/840 PSD NB GC BR SI | |
| Full product code | 871869632186700 | |
| Order code | 910930205945 | |
| Material Nr. (12NC) | 910930205945 | |
| Local order code | BY470P1304KDNBR | |
| Numerator - Quantity Per Pack | 1 | |
| EAN/UPC - Product/Case | 8718696321867 | |
| Numerator - Packs per outer box | 1 | |
| EAN/UPC - Case | 8718696321867 | |

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Dimensional drawing





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