



GentleSpace gen2

BY470P GRN130S/840 PSD NB GC BR SI

GentleSpace 2 - LED GreenLine system flux 13,000 lm - 840 neutral white - Power supply unit with DALI interface - Narrow beam - Clear glass - Bracket - 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 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	Optic type	Narrow beam
Lamp family code	GRN130S [LED GreenLine system flux 13,000 lm]	Optical cover/lens type	Clear glass
Beam angle of light source	114 °	Luminaire light beam spread	30° x 25°
Light source color	840 neutral white	Embedded control	-
Cap-Base	- [-]	Control interface	DALI
Light source replaceable	Yes	Connection	External connector
Number of gear units	1 unit	Cable	Cord with plug Wieland/Adels compatible 5-pole
Gear	EB [Electronic]	Protection class IEC	Safety class I
Driver/power unit/transformer	Power supply unit with DALI interface	Mounting	Bracket
Driver included	Yes	Coating	-
		Glow-wire test	Temperature 850 °C, duration 5 s

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Flammability mark	For mounting on easily flammable surfaces
CE mark	CE mark
ENEC mark	ENEC mark
Ball impact resistance 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

Dimmable	Yes
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Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Acrylate
Optical cover/lens material	Glass
Gear tray material	Steel
Fixation material	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]
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Mech. impact protection code	IK07 [2 J reinforced]
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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

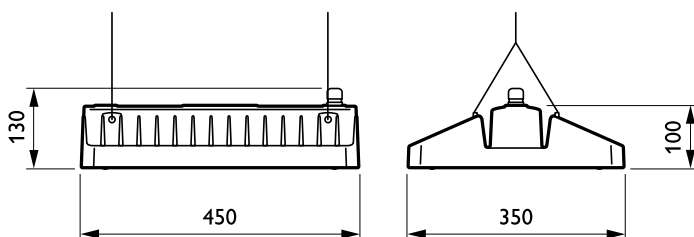
Ambient temperature range	-30 to +45 °C
Average ambient temperature	25 °C
Maximum dim level	10%
Suitable for random switching	No

Product Data

Full product code	871869632186700
Order product name	BY470P GRN130S/840 PSD NB GC BR SI
EAN/UPC - Product	8718696321867
Order code	910930205945
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910930205945
Net Weight (Piece)	11.100 kg

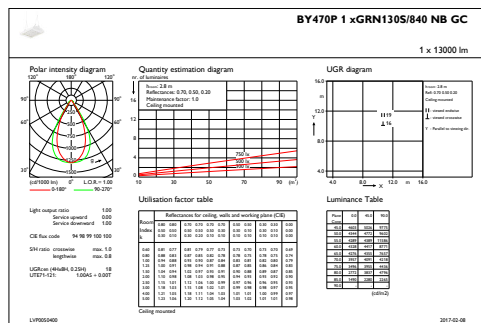


Dimensional drawing

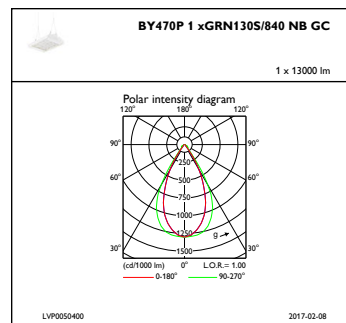


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Photometric data



IFGU1_BY470P1xGRN130S840NBGC



IFPC1_BY470P1xGRN130S840NBGC

