PHILIPS

Lighting



GentleSpace gen2

BY470P GRN130S/840 PSD-CLO MB BR SI SWP

GentleSpace 2 - LED GreenLine system flux 13,000 lm - 840 neutral white - Power supply unit with DALI interface and constant light output - Medium beam - Bracket - Silver - Swimming pool protected coating

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
Lamp family code	GRN130S [LED GreenLine system flux 13,000 lm]
Beam angle of light source	114 °
Light source color	840 neutral white
Cap-Base	- [-]
Light source replaceable	Yes
Number of gear units	1 unit
Gear	EB [Electronic]

Driver/power unit/transformer	Power supply unit with DALI interface and constant light output
Driver included	Yes
Optic type	Medium beam
Optical cover/lens type	Clear glass
Luminaire light beam spread	40° x 40°
Embedded control	-
Control interface	DALI
Connection	External connector
Cable	Cord with plug Wieland/Adels compatible 5-pole

GentleSpace gen2

Protection class IEC	Safety class I
Mounting	Bracket
Coating	Swimming pool protected 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	Ball Impact Resistance mark
Design Award Winner mark	Design Award Winner 2014
Warranty period	5 years
Suspension accessories	-
Constant light output	Programmable
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
Initial CLO power consumption	70 W
Average CLO power consumption	78 W
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	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]
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 chromaticy	(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

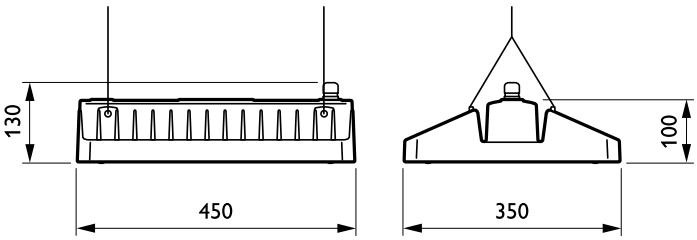
Ambient temperature range	-30 to +45 °C
Average ambient temperature	25 °C
Maximum dim level	10%
Suitable for random switching	No

Product Data

Full product code	871869632297000
Order product name	BY470P GRN130S/840 PSD-CLO MB BR SI SWP
EAN/UPC - Product	8718696322970
Order code	910930206057
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910930206057
Net Weight (Piece)	11.100 kg

GentleSpace gen2

Dimensional drawing



GentleSpace gen2 BY470P/BY471P

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