GentleSpace gen2

BY470P GRN130S/840 PSD WB GC BR WH SWP

GentleSpace 2, LED GreenLine system flux 13000 lm, 840 neutral white, Power supply unit with DALI interface, Wide beam, White, 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

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
Glow-wire test	Temperature 850 °C, duration 5 s
Flammability mark	For mounting on easily flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years
EU RoHS compliant	Yes

GentleSpace gen2

Embedded control	–	Overall length	450 mm
		Overall width	350 mm
Light Technical		Overall height	130 mm
Luminous Flux	13,000 lm	Dimensions (Height x Width x Depth)	130 x 350 x 450 mm
Correlated Color Temperature (Nom)	4000 K		
Luminous Efficacy (rated) (Nom)	149 lm/W	**Approval and Application**	
Color rendering index (CRI)	≥80	Ingress protection code	IP65 [Dust penetration-protected, jet–proof]
Number of light sources	8	Mech. impact protection code	IK07 [2 J reinforced]
Beam angle of light source	114 degree(s)	Protection class IEC	Safety class I
Light source color	840 neutral white		
Optic type	Wide beam	**Initial Performance (IEC Compliant)**	
Optical cover type	Clear glass	Luminous flux tolerance	+/-7%
Luminaire light beam spread	42° x 44°	Initial chromaticity	(0.38, 0.38) SDCM <3
Unified glare rating CEN	25	Power consumption tolerance	+/–11%
Operating and Electrical		**Over Time Performance (IEC Compliant)**	
Input Voltage	220-240 V	Control gear failure rate at median useful life 50000 h	5 %
Line Frequency	50 to 60 Hz		
Inrush current	4.8 A	Control gear failure rate at median useful life 100000 h	10 %
Inrush time	2.3 ms		
Power Consumption	87 W	Lumen maintenance at median useful life* 50000 h	L85
Power Factor (Fraction)	0.9		
Connection	External connector	Lumen maintenance at median useful life* 100000 h	L70
Cable	Cord with plug Wieland/Adels compatible 5-pole		
Number of products on MCB of 16 A type B	12	**Application Conditions**	
		Performance ambient temperature Tq	25 ℃
Temperature		Maximum dim level	10%
Ambient temperature range	–30 to +45 ℃	Suitable for random switching	No
Controls and Dimming		**Product Data**	
Dimmable	Yes	Order product name	BY470P GRN130S/840 PSD WB GC BR WH SWP
Driver/power unit/transformer	Power supply unit with DALI interface		
Control interface	DALI	Full product name	BY470P GRN130S/840 PSD WB GC BR WH SWP
Constant light output	No		
		Full product code	871869632250500
Mechanical and Housing		Order code	910930206010
Housing Material	Aluminum	Material Nr. (12NC)	910930206010
Reflector material	–	Numerator – Quantity Per Pack	1
Optic material	Acrylate	EAN/UPC – Product/Case	8718696322505
Optical cover material	Glass	Numerator – Packs per outer box	1
Fixation material	Steel	EAN/UPC – Case	8718696322505
Housing Color	White		
Optical cover finish	Clear		

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Dimensional drawing

www.lighting.philips.com

2023, September 4 – data subject to change