GentleSpace gen2

BY470P GRN130S/840 PSED WB GC WH

GentleSpace 2, LED GreenLine system flux 13000 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

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

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Warranty period	5 years		**Fixation material**	Stainless steel
EU RoHS compliant	Yes		**Housing Color**	White
Embedded control	–		**Optical cover finish**	Clear
			Overall length	450 mm
Light Technical			**Overall width**	350 mm
Luminous Flux	13,000 lm		**Overall height**	130 mm
Correlated Color Temperature (Nom)	4000 K		**Dimensions (Height x Width x Depth)**	130 x 350 x 450 mm
Luminous Efficacy (rated) (Nom)	149 lm/W			
Color rendering index (CRI)	≥80		**Approval and Application**	
Number of light sources	8		**Ingress protection code**	IP65 [Dust penetration-protected, jet-proof]
Beam angle of light source	114 degree(s)		**Mech. impact protection code**	IK07 [2 J reinforced]
Light source color	840 neutral white		**Protection class IEC**	Safety class I
Optic type	Wide beam			
Optical cover type	Clear glass		**Initial Performance (IEC Compliant)**	
Luminaire light beam spread	42° x 44°		**Luminous flux tolerance**	+/-7%
Unified glare rating CEN	25		**Initial chromaticity**	(0.38, 0.38) SDCM <3
			Power consumption tolerance	+/-11%
Operating and Electrical				
Input Voltage	220-240 V		**Over Time Performance (IEC Compliant)**	
Line Frequency	50 to 60 Hz		**Control gear failure rate at median useful life 50000 h**	5 %
Inrush current	4.8 A			
Inrush time	2.3 ms		**Control gear failure rate at median useful life 100000 h**	10 %
Power Consumption	87 W			
Power Factor (Fraction)	0.9		**Lumen maintenance at median useful life* 50000 h**	L85
Connection	External connector			
Cable	Cord with plug Wieland/Adels compatible 5-pole		**Lumen maintenance at median useful life* 100000 h**	L70
Number of products on MCB of 16 A type B	12		**Application Conditions**	
			Performance ambient temperature Tq	25 °C
Temperature			**Maximum dim level**	10%
Ambient temperature range	–30 to +45 °C		**Suitable for random switching**	No
Controls and Dimming			**Product Data**	
Dimmable	Yes		**Order product name**	BY470P GRN130S/840 PSED WB GC WH
Driver/power unit/transformer	Power supply unit with DALI interface, DC compatible for central emergency lighting (integrated)		**Full product name**	BY470P GRN130S/840 PSED WB GC WH
			Full product code	871869632854500
			Order code	910930206102
Control interface	DALI		**Material Nr. (12NC)**	910930206102
Constant light output	No		**Numerator – Quantity Per Pack**	1
			EAN/UPC – Product/Case	8718696328545
Mechanical and Housing			**Numerator – Packs per outer box**	1
Housing Material	Aluminum		**EAN/UPC – Case**	8718696328545
Reflector material	–			
Optic material	Acrylate			
Optical cover material	Glass			

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Dimensional drawing

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2023, September 4 – data subject to change