GentleSpace gen2

BY470P GRN130S/840 PSD MB AC BR SI

GentleSpace 2, LED GreenLine system flux 13000 lm, 840 neutral white, Power supply unit with DALI interface, Medium beam, Acrylic bowl/cover, 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 650 °C, duration 5 s
EU RoHS compliant	Yes

Light Technical

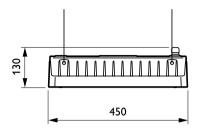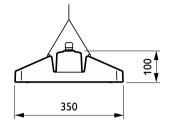|	
Luminous Flux	13,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	149 lm/W

data subject to change

GentleSpace gen2

Color rendering index (CRI)	≥80		Overall height	130 mm
Number of light sources	8		Dimensions (Height x Width x Depth)	130 x 350 x 450 mm
Beam angle of light source	114 degree(s)			
Light source color	840 neutral white		**Approval and Application**	
Optic type	Medium beam		Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Optical cover type	Acrylic bowl/cover		Mech. impact protection code	IK07 [2 J reinforced]
Luminaire light beam spread	40° x 40°		Protection class IEC	Safety class I
Unified glare rating CEN	25			
			Initial Performance (IEC Compliant)	
Operating and Electrical			Luminous flux tolerance	+/-7%
Input Voltage	220-240 V		Initial chromaticity	(0.38, 0.38) SDCM <3
Line Frequency	50 to 60 Hz		Power consumption tolerance	+/–11%
Inrush current	4.8 A			
Inrush time	2.3 ms		**Over Time Performance (IEC Compliant)**	
Power Consumption	87 W		Control gear failure rate at median useful life 50000 h	5 %
Power Factor (Fraction)	0.9		Control gear failure rate at median useful life 100000 h	10 %
Connection	External connector		Lumen maintenance at median useful life* 50000 h	L85
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	
Temperature			Performance ambient temperature Tq	25 °C
Ambient temperature range	–30 to +45 °C		Maximum dim level	10%
			Suitable for random switching	No
Controls and Dimming				
Dimmable	Yes		**Product Data**	
Driver/power unit/transformer	Power supply unit with DALI interface		Order product name	BY470P GRN130S/840 PSD MB AC BR SI
Control interface	DALI		Full product name	BY470P GRN130S/840 PSD MB AC BR SI
Constant light output	No		Full product code	871869632221500
			Order code	32221500
Mechanical and Housing			Material Nr. (12NC)	910930205980
Housing Material	Aluminum		Numerator – Quantity Per Pack	1
Reflector material	–		EAN/UPC – Product/Case	8718696322215
Optic material	Acrylate		Numerator – Packs per outer box	1
Optical cover material	Acrylate		EAN/UPC – Case	8718696322215
Fixation material	Steel			
Housing Color	Silver			
Optical cover finish	Clear			
Overall length	450 mm			
Overall width	350 mm			

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Dimensional drawing

130

450

100

350

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2023, April 29 – data subject to change