



GentleSpace gen2

BY470P GRN130S/840 PSD WB AC BR SI

GentleSpace 2, LED GreenLine system flux 13000 lm, Power supply unit with DALI interface, Wide 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	Unit
Gear	EB [Electronic]
Driver included	Yes
Remarks	*- According to the Lighting Europe guidance
	paper 'Evaluating performance of LED based
	luminaires – January 2018': statistically there
	is no relevant difference in lumen
	maintenance between the B50 and, for
	example, the B10. Therefore, the median

	useful life (B50) value also represents the
	B10 value.
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 Colour Temperature	4000 K

Datasheet, 2023, April 29 data subject to change

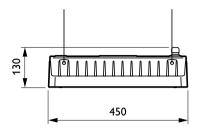
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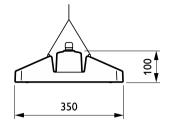
Luminous efficacy (rated) (nom.)	149 lm/W
Colour rendering index (CRI)	≥80
Beam angle of light source	114 degree(s)
Light source colour	840 neutral white
Optic type	Wide beam
Optical cover type	Acrylic bowl/cover
Luminaire light beam spread	42° x 44°
Unified Glare Rating (CEN)	25
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	4.8 A
Inrush time	2.3 ms
Power Consumption	87 W
Power Factor (Fraction)	0.9
Connection	External connector
Cable	Cord with plug Wieland/Adels compatible 5
	pole
Number of products on MCB of 16 A type B	12
Temperature	
Ambient temperature range	-30 to +45 ℃
6 () 18: 1	
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
Mechanical and Housing	
Housing material	Aluminium
Reflector material	-
Optic material	Acrylate
Optical cover/lens material	Acrylate
Fixation material	Steel
Housing Colour	Silver
Optical cover/lens finish	Clear
Overall length	450 mm
O	350 mm
Overall width	330 11111

Overall height	130 mm	
Dimensions (height x width x depth)	130 x 350 x 450 mm	
Approval and Application		
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]	
Mech. impact protection code	IK07 [2 J reinforced]	
Protection class IEC	Safety class I	
Initial Performance (IEC Compliant)		
Luminous flux tolerance	+/-7%	
Initial chromaticity	(0.38, 0.38) SDCM <3	
Power consumption tolerance	+/-11%	
Over Time Performance (IEC Compliant)		
Control gear failure rate at median useful	5 %	
life 50,000 h		
Control gear failure rate at median useful	10 %	
life 100,000 h		
Lumen maintenance at median useful	L85	
life* 50,000 h		
Lumen maintenance at median useful	L70	
life* 100,000 h		
Application Conditions		
Performance ambient temperature Tq	25 ℃	
Maximum dim level	10%	
Suitable for random switching	No	
Product Data		
Order product name	BY470P GRN130S/840 PSD WB AC BR SI	
Full product name	BY470P GRN130S/840 PSD WB AC BR SI	
Full EOC	871869632220800	
Order code	32220800	
Material no. (12 NC)	910930205979	
SAP numerator – quantity per pack	1	
EAN/UPC — Product/Case	8718696322208	
Numerator – packs per outer box	1	
EAN/UPC - Case	8718696322208	

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Dimensional drawing







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