PHILIPS Lighting



GentleSpace gen2

BY470P GRN130S/840 PSD WB GC WH

GentleSpace 2, LED GreenLine system flux 13000 lm, 840 neutral white, Power supply unit with DALI interface, 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 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 850 °C, duration 5 s	
EU RoHS compliant	Yes	
Light Technical		
Luminous Flux	13,000 lm	
Correlated Colour Temperature	4000 K	

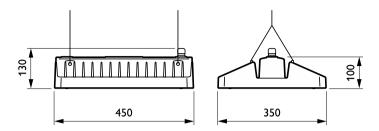
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Luminous efficacy (rated) (nom.)	149 lm/W	Overall height
Colour rendering index (CRI)	≥80	Dimensions (height x width)
Beam angle of light source	114 degree(s)	
Light source colour	840 neutral white	Approval and Applicatio
Optic type	Wide beam	Ingress protection code
Optical cover type	Clear glass	Mech. impact protection cod
Luminaire light beam spread	42° x 44°	Protection class IEC
Unified Glare Rating (CEN)	25	
		Initial Performance (IEC
Operating and Electrical		Luminous flux tolerance
Input Voltage	220-240 V	Initial chromaticity
Line Frequency	50 to 60 Hz	Power consumption tolerand
Inrush current	4.8 A	
Inrush time	2.3 ms	Over Time Performance
Power Consumption	87 W	Control gear failure rate at n
Power Factor (Fraction)	0.9	life 50,000 h
Connection	External connector	Control gear failure rate at n
Cable	Cord with plug Wieland/Adels compatible 5-	life 100,000 h
	pole	Lumen maintenance at medi
Number of products on MCB of 16 A type	12	life* 50,000 h
В		Lumen maintenance at medi
		life* 100,000 h
Temperature		
Ambient temperature range	-30 to +45 °C	Application Conditions
		Performance ambient tempe
Controls and Dimming		Maximum dim level
Dimmable	Yes	Suitable for random switchin
Driver/power unit/transformer	Power supply unit with DALI interface	
Control interface	DALI	Product Data
Constant light output	No	Order product name
		Full product name
Mechanical and Housing		Full EOC
Housing material	Aluminium	Order code
Reflector material	-	Material no. (12 NC)
Optic material	Acrylate	SAP numerator - quantity p
Optical cover/lens material	Glass	EAN/UPC — Product/Case
Fixation material	Stainless steel	Numerator – packs per oute
Housing Colour	White	EAN/UPC - Case
Optical cover/lens finish	Clear	
Overall length	450 mm	
Overall width	350 mm	

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 °C	
Maximum dim level	10%	
Suitable for random switching	No	
Product Data		
Order product name	BY470P GRN130S/840 PSD WB GC WH	
Full product name	BY470P GRN130S/840 PSD WB GC WH	
Full EOC	871869632228400	
Order code	32228400	
Material no. (12 NC)	910930205987	
SAP numerator – quantity per pack	1	
EAN/UPC — Product/Case	8718696322284	
Numerator – packs per outer box	1	
EAN/UPC - Case	8718696322284	

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Dimensional drawing





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