PHILIPS Lighting



GentleSpace gen2

BY470P GRN130S/840 PSD NB AC SI

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

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Color rendering index (CRI)	≥80	Overall height
Number of light sources	8	Dimensions (Height x Width x Depth)
Beam angle of light source	114 degree(s)	
Light source color	840 neutral white	Approval and Application
Optic type	Narrow beam	Ingress protection code
Optical cover type	Acrylic bowl/cover	Mech. impact protection code
Luminaire light beam spread	30° x 25°	Protection class IEC
Unified glare rating CEN	19	
		Initial Performance (IEC Complian
Operating and Electrical		Luminous flux tolerance
Input Voltage	220-240 V	Initial chromaticity
Line Frequency	50 to 60 Hz	Power consumption tolerance
Inrush current	4.8 A	
Inrush time	2.3 ms	Over Time Performance (IEC Com
Power Consumption	87 W	Control gear failure rate at median use
Power Factor (Fraction)	0.9	life 50000 h
Connection	External connector	Control gear failure rate at median use
Cable	Cord with plug Wieland/Adels compatible 5-	life 100000 h
	pole	Lumen maintenance at median useful l
Number of products on MCB of 16 A type	12	50000 h
В		Lumen maintenance at median useful l
		100000 h
Temperature		
Ambient temperature range	-30 to +45 ℃	Application Conditions
		Performance ambient temperature Tq
Controls and Dimming		Maximum dim level
Dimmable	Yes	Suitable for random switching
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 product code
Housing Material	Aluminum	Order code
Reflector material	-	Material Nr. (12NC)
Optic material	Acrylate	Numerator - Quantity Per Pack
Optical cover material	Acrylate	EAN/UPC - Product/Case
	· · · · · · · · · · · · · · · · · · ·	Numerator - Packs per outer box
Fixation material	Stainless steel	EAN/UPC - Case
Housing Color	Silver	
Optical cover finish	Clear	
Overall length	450 mm	
Overall width	350 mm	

	barety 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 50000 h		
Control gear failure rate at median useful	10 %	
life 100000 h		
Lumen maintenance at median useful life*	L85	
50000 h		
Lumen maintenance at median useful life*	L70	
100000 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 NB AC SI	
Full product name	BY470P GRN130S/840 PSD NB AC SI	
Full product code	871869632280200	
Order code	32280200	
Material Nr. (12NC)	910930206040	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718696322802	
Numerator - Packs per outer box	1	
EAN/UPC - Case	8718696322802	

130 mm

130 x 350 x 450 mm

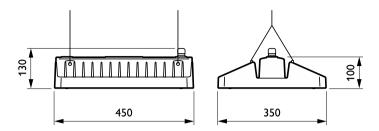
IK07 [2 J reinforced]

Safety class I

IP65 [Dust penetration-protected, jet-proof]

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Dimensional drawing





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