PHILIPS Lighting



GentleSpace gen2

BY470P GRN130S/840 PSD HRO PC BR SI

GentleSpace 2, LED GreenLine system flux 13000 lm, 840 neutral white, Power supply unit with DALI interface, High-rack optic, Polycarbonate 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 850 °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

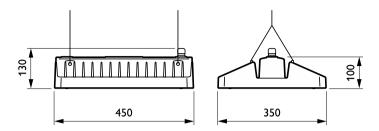
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Color rendering index (CRI)	≥80	Overall height
Number of light sources	8	Dimensions (Height
Beam angle of light source	114 degree(s)	
Light source color	840 neutral white	Approval and Ap
Optic type	High-rack optic	Ingress protection c
Optical cover type	Polycarbonate bowl/cover	Mech. impact prote
Luminaire light beam spread	16° x 47°	Protection class IEC
Unified glare rating CEN	Not applicable	
		Initial Performan
Operating and Electrical		Luminous flux tolera
Input Voltage	220-240 V	Initial chromaticity
Line Frequency	50 to 60 Hz	Power consumption
Inrush current	4.8 A	
Inrush time	2.3 ms	Over Time Perfor
Power Consumption	87 W	Control gear failure
Power Factor (Fraction)	0.9	life 50000 h
Connection	External connector	Control gear failure
Cable	Cord with plug Wieland/Adels compatible 5-	life 100000 h
	pole	Lumen maintenance
Number of products on MCB of 16 A type	12	life* 50000 h
в		Lumen maintenance
		life* 100000 h
Temperature		
Ambient temperature range	-30 to +45 °C	Application Conc
		Performance ambie
Controls and Dimming		Maximum dim level
Dimmable	Yes	Suitable for random
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		Numerator Quanti
	Acrylate	Numerator - Quanti
Optical cover material Fixation material	Acrylate Polymethyl methacrylate Steel	EAN/UPC - Product
Optical cover material Fixation material	Polymethyl methacrylate Steel	Numerator - Quanti EAN/UPC - Product Numerator - Packs EAN/UPC - Case
Optical cover material Fixation material Housing Color	Polymethyl methacrylate	EAN/UPC - Product Numerator - Packs
Optical cover material Fixation material	Polymethyl methacrylate Steel Silver	EAN/UPC - Product Numerator - Packs

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 50000 h		
Control gear failure rate at median useful	10 %	
life 100000 h		
Lumen maintenance at median useful	L85	
life* 50000 h		
Lumen maintenance at median useful	L70	
life* 100000 h		
Application Conditions		
Performance ambient temperature Tq	25 ℃	
Maximum dim level	10%	
Suitable for random switching	No	
Due due t De te		
Product Data		
Order product name	BY470P GRN130S/840 PSD HRO PC BR SI	
Full product name	BY470P GRN130S/840 PSD HRO PC BR SI	
Full product code	871869632263500	
Order code	32263500	
Material Nr. (12NC)	910930206023	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718696322635	
Numerator - Packs per outer box	1	
EAN/UPC - Case	8718696322635	

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Dimensional drawing





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