PHILIPS Lighting



GentleSpace gen2

BY470P GRN130S/840 PSD NB GC BR SI

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

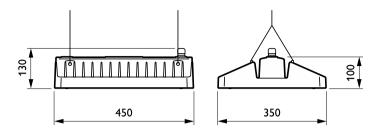
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Color rendering index (CRI)	≥80	Overall height
Number of light sources	8	Dimensions (Height x Width
Beam angle of light source	114 degree(s)	
Light source color	840 neutral white	Approval and Applicatio
Optic type	Narrow beam	Ingress protection code
Optical cover type	Clear glass	Mech. impact protection cod
Luminaire light beam spread	30° x 25°	Protection class IEC
Unified glare rating CEN	19	
		Initial Performance (IEC
Operating and Electrical		Luminous flux tolerance
Input Voltage	220-240 V	Initial chromaticity
Line Frequency	50 to 60 Hz	Power consumption toleranc
Inrush current	4.8 A	
Inrush time	2.3 ms	Over Time Performance
Power Consumption	87 W	Control gear failure rate at m
Power Factor (Fraction)	0.9	life 50000 h
Connection	External connector	Control gear failure rate at m
Cable	Cord with plug Wieland/Adels compatible 5-	life 100000 h
	pole	Lumen maintenance at medi
Number of products on MCB of 16 A type	12	life* 50000 h
В		Lumen maintenance at media
		life* 100000 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 product code
Housing Material	Aluminum	Order code
Reflector material	-	Material Nr. (12NC)
Optic material	Acrylate	Local order code
Optic material Optical cover material	Acrylate Glass	Numerator - Quantity Per Pa
	· · · · · · · · · · · · · · · · · · ·	
Optical cover material Fixation material	Glass	Numerator - Quantity Per Pa
Optical cover material Fixation material Housing Color	Glass Steel	Numerator - Quantity Per Pa EAN/UPC - Product/Case
Optical cover material	Glass Steel Silver	Numerator - Quantity Per Pa EAN/UPC - Product/Case Numerator - Packs per outer

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 °C	
Maximum dim level	10%	
Suitable for random switching	No	
Product Data		
Order product name	BY470P GRN130S/840 PSD NB GC BR SI	
Full product name	BY470P GRN130S/840 PSD NB GC BR SI	
Full product code	871869632186700	
Order code	910930205945	
Material Nr. (12NC)	910930205945	
Local order code	BY470P1304KDNBR	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718696321867	
Numerator - Packs per outer box	1	
EAN/UPC - Case	8718696321867	

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Dimensional drawing





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