# **PHILIPS** Lighting



# **GentleSpace gen2**

# BY470P GRN130S/840 PSD NB GC WH

GentleSpace 2, LED GreenLine system flux 13000 lm, 840 neutral white, Power supply unit with DALI interface, Narrow 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	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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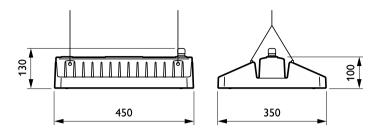
Color rendering index (CRI)	≥80	Overall height
Number of light sources	8	Dimensions (Height x Width
Beam angle of light source	114 degree(s)	
Light source color	840 neutral white	Approval and Application
Optic type	Narrow beam	Ingress protection code
Optical cover type	Clear glass	Mech. impact protection 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 toleran
Inrush current	4.8 A	
Inrush time	2.3 ms	Over Time Performance
Power Consumption	87 W	Control gear failure rate at r
Power Factor (Fraction)	0.9	life 50000 h
Connection	External connector	Control gear failure rate at r
Cable	Cord with plug Wieland/Adels compatible 5-	life 100000 h
	pole	Lumen maintenance at med
Number of products on MCB of 16 A type	12	50000 h
В		Lumen maintenance at med
		100000 h
Temperature		
Ambient temperature range	-30 to +45 ℃	Application Conditions
		Performance ambient temp
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 P
Optical cover material	Glass	EAN/UPC - Product/Case
Fixation material	Stainless steel	Numerator - Packs per oute
Housing Color	White	EAN/UPC - Case
	Clear	
Optical cover finish		
Optical cover finish Overall length	450 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 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 GC WH	
Full product name	BY470P GRN130S/840 PSD NB GC WH	
Full product code	871869632230700	
Order code	32230700	
Material Nr. (12NC)	910930205989	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718696322307	
Numerator - Packs per outer box	1	
EAN/UPC - Case	8718696322307	

130 mm

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#### Dimensional drawing





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