# **PHILIPS** Lighting



# **GentleSpace gen2**

# BY470P GRN130S/840 PSD NB GC 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 continues to improve even further: an improved total cost of ownership, even in extreme conditions with the the GS-2 Xtreme version, which can be used up to +60 °C or 100,000 hrs of lifetime (L80), both ensured by an integrated over-heat protection. In addition, a wide variety of options – e.g. optics, coatings, mounting possibilities, cover materials and suitable for explosive zones 2/22 – are available to ensure an ideal solution for your application. Additionally, the GentleSpace gen2 can be equipped for use in 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
Glow-wire test	Temperature 850 °C, duration 5 s
Flammability mark	For mounting on easily flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years
EU RoHS compliant	Yes

# GentleSpace gen2

Embedded control	-
Light Technical	
Luminous Flux	13,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	149 lm/W
Color rendering index (CRI)	≥80
Number of light sources	8
Beam angle of light source	114 degree(s)
Light source color	840 neutral white
Optic type	Narrow beam
Optical cover type	Clear glass
Luminaire light beam spread	30° x 25°
Unified glare rating CEN	19

#### Optical cover finish Clear 450 mm Overall length 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%	

8718696321829

Over Time Performance (IEC Compliant) Control gear failure rate at median useful ~5~%

Control gear failure rate at median useful 10 %

Lumen maintenance at median useful life\* L85

Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	4.8 A
Inrush time	2.3 ms
Power Consumption	87 W
Power Factor (Fraction)	0.9
Connection	External connector
Cable	Cord with plug Wieland/Adels compatible 5-
	pole
Number of products on MCB of 16 A type	12
В	
Temperature	

Cord with plug Wieland/Adels compatible 5-	Lumen maintenance at median useful life*	L70
pole	100000 h	
2		
	Application Conditions	
	Performance ambient temperature Tq	25 ℃
	Maximum dim level	10%
30 to +45 °C	Suitable for random switching	No
	Product Data	
/es	Order product name	BY470P GRN130S/840 PSD NB GC SI
Power supply unit with DALI interface	Full product name	BY470P GRN130S/840 PSD NB GC SI
DALI	Full product code	871869632182900
10	Order code	910930205941
	Material Nr. (12NC)	910930205941
	Numerator - Quantity Per Pack	1
Aluminum	EAN/UPC - Product/Case	8718696321829
	Numerator - Packs per outer box	1

EAN/UPC - Case

life 50000 h

life 100000 h

50000 h

Temperature

Ambient temperature range

### Controls and Dimming

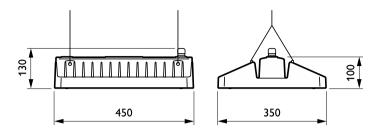
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

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#### Mechanical and Housing Housing Material Al **Reflector material** Optic material Acrylate Optical cover material Glass Fixation material Stainless steel Housing Color Silver

# GentleSpace gen2

# Dimensional drawing





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