



GentleSpace gen2

BY470P GRN130S/840 PSD WB GC BR WH

GentleSpace 2, LED GreenLine system flux 13000 lm, Power supply unit with DALI interface, Wide 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]	Lighting Technology	LED
Cap base	- [-]	Embedded control	-
Light source replaceable	Yes	CE mark	Yes
Number of gear units	Unit	Warranty period	5 years
Gear	EB [Electronic]	Flammability mark	For mounting on easily flammable surfaces
Driver included	Yes	ENEC mark	ENEC mark
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value.	Glow-wire test	Temperature 850 °C, duration 5 s
Product family code	BY470P [GentleSpace 2]	EU RoHS compliant	Yes
		Light Technical	
		Luminous Flux	13,000 lm
		Correlated Colour Temperature	4000 K
		Luminous efficacy (rated) (nom.)	149 lm/W
		Colour rendering index (CRI)	≥80
		Beam angle of light source	114 degree(s)
		Light source colour	840 neutral white

GentleSpace gen2

Optic type	Wide beam
Optical cover type	Clear glass
Luminaire light beam spread	42° x 44°
Unified Glare Rating (CEN)	25

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 B	12

Temperature

Ambient temperature range	–30 to +45 °C
---------------------------	---------------

Controls and Dimming

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

Mechanical and Housing

Housing material	Aluminium
Reflector material	–
Optic material	Acrylate
Optical cover/lens material	Glass
Fixation material	Steel
Housing Colour	White
Optical cover/lens finish	Clear
Overall length	450 mm
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%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 50,000 h	L85
Lumen maintenance at median useful life* 100,000 h	L70

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 WB GC BR WH
Full product name	BY470P GRN130S/840 PSD WB GC BR WH
Full EOC	871869632231400
Order code	32231400
Material no. (12 NC)	910930205990
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696322314
Numerator – packs per outer box	1
EAN/UPC – Case	8718696322314

GentleSpace gen2

Dimensional drawing

