



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	Unit
Gear	EB [Electronic]
Driver included	Yes
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.
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 Colour Temperature	4000 K

Datasheet, 2023, April 29 data subject to change

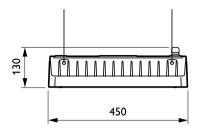
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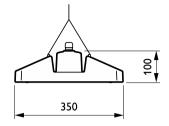
Luminous efficacy (rated) (nom.)	149 lm/W
Colour rendering index (CRI)	≥80
Beam angle of light source	114 degree(s)
Light source colour	840 neutral white
Optic type	Narrow beam
Optical cover type	Clear glass
Luminaire light beam spread	30° x 25°
Unified Glare Rating (CEN)	19
Operating and Electrical	
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 Binaria	
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	Silver
Optical cover/lens finish	Clear
Overall length	450 mm
Overall width	350 mm

Dimensions (height x width x depth) Approval and Application Ingress protection code Mech. impact protection code Protection class IEC Initial Performance (IEC Compliant) Luminous flux tolerance Initial chromaticity (0.38, 0.38) SDCM <3 Power consumption tolerance +/-11% Over Time Performance (IEC Compliant) Control gear failure rate at median useful Initial chromaticity Over Time Performance (IEC Compliant) Control gear failure rate at median useful In the control gear failure rate at median useful
Ingress protection code IP65 [Dust penetration-protected, jet-protected, interpretation protected, jet-protection class IEC Initial Performance (IEC Compliant) Luminous flux tolerance Initial chromaticity (0.38, 0.38) SDCM < 3 Power consumption tolerance +/-11% Over Time Performance (IEC Compliant) Control gear failure rate at median useful If 6 50,000 h Control gear failure rate at median useful If 8 10 % Initial chromaticity Initial chromaticity Over Time Performance (IEC Compliant) Control gear failure rate at median useful Initial chromaticity Initial chromaticity
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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 50,000 h Control gear failure rate at median useful 10 % life 100,000 h
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life 50,000 h Control gear failure rate at median useful 10 % life 100,000 h
Control gear failure rate at median useful $$ 10 $\%$ life 100,000 h $$
life 100,000 h
Lumen maintenance at median useful life* L85
50,000 h
Lumen maintenance at median useful life* L70
100,000 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 St
Full product name BY470P GRN130S/840 PSD NB GC BR S
Full EOC 871869632186700
Order code 32186700
Material no. (12 NC) 910930205945
SAP 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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