PHILIPS Lighting



GentleSpace gen2

BY470P GRN130S/840 PSD WB PC BR SI

GentleSpace 2, LED GreenLine system flux 13000 lm, Power supply unit with DALI interface, Wide beam, Polycarbonate bowl/cover, 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
U 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	Wide beam
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	42° x 44°
Unified glare rating CEN	25

Optical cover 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)	

initial compliancy	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-11%

Operating and Electrical			
Input Voltage	220-240 V	Over Time Performance (IEC Compli	i <mark>ant)</mark>
Line Frequency	50 to 60 Hz	Control gear failure rate at median useful	5 %
Inrush current	4.8 A	life 50000 h	
Inrush time	2.3 ms	Control gear failure rate at median useful	10 %
Power Consumption	87 W	life 100000 h	
Power Factor (Fraction)	0.9	Lumen maintenance at median useful	L85
Connection	External connector	life* 50000 h	
Cable	Cord with plug Wieland/Adels compatible 5-	Lumen maintenance at median useful	L70
	pole	life* 100000 h	
Number of products on MCB of 16 A type	12		

В	
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	Aluminum
Reflector material	-
Optic material	Acrylate

Polymethyl methacrylate

Steel

Silver

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 GRN1305/840 PSD WB PC BR S Full product name BY470P GRN1305/840 PSD WB PC BR S Full product name BY470P GRN1305/840 PSD WB PC BR S Full product code 871869632209300 Order code 910930205968 Material Nr. (12NC) 910930205968 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718696322093		
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Product Data Order product name BY470P GRN130S/840 PSD WB PC BR S Full product name BY470P GRN130S/840 PSD WB PC BR S Full product code 871869632209300 Order code 910930205968 Material Nr. (12NC) 910930205968 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718696322093	Maximum dim level	10%
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Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718696322093	Order code	910930205968
EAN/UPC - Product/Case 8718696322093	Material Nr. (12NC)	910930205968
	Numerator - Quantity Per Pack	1
Numerator - Packs per outer box 1	EAN/UPC - Product/Case	8718696322093
	Numerator - Packs per outer box	1

8718696322093

Optical cover material

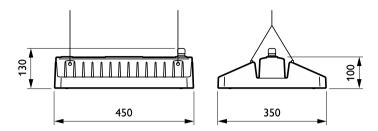
Fixation material

Housing Color

EAN/UPC - Case

GentleSpace gen2

Dimensional drawing





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