PHILIPS Lighting



GentleSpace gen2

BY470P GRN130S/840 PSD-CLO WB GC BR SI S

GentleSpace 2, LED GreenLine system flux 13000 lm, 840 neutral white, Power supply unit with DALI interface and constant light output, Wide beam, Silver, Swimming pool protected coating

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

GentleSpace gen2

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	Clear glass
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 Compl	iant)

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

Over Time Performance (IEC Compli	ant)
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	L85
life* 50000 h	
Lumen maintenance at median useful	L70
life* 100000 h	
Application Conditions	

Performance ambient temperature Tq	25 ℃
Maximum dim level	10%
Suitable for random switching	No

Product Data

1 Todact Data	
Order product name	BY470P GRN130S/840 PSD-CLO WB GC BR
	SIS
Full product name	BY470P GRN130S/840 PSD-CLO WB GC BR
	SIS
Full product code	871869632296300
Order code	32296300
Material Nr. (12NC)	910930206056
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696322963
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696322963

Operating and Elect	rical
Input Voltage	

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	70 W
Average CLO power consumption	78 W
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

Ambient temperature range

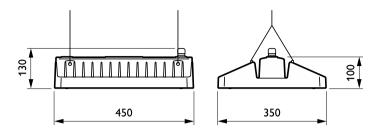
Controls and Dimming

controts and Binning	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface and
	constant light output
Control interface	DALI
Constant light output	Programmable
Mechanical and Housing	
Housing Material	Aluminum
Reflector material	-
Optic material	Acrylate
Optical cover material	Glass
Fixation material	Steel
Housing Color	Silver

-30 to +45 °C

GentleSpace gen2

Dimensional drawing





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