PHILIPS Lighting



GentleSpace gen2

BY471P GRN170S/840 PSD WB GC BR WH SWP

GentleSpace 2, LED GreenLine system flux 17000 lm, 840 neutral white, Power supply unit with DALI interface, Wide beam, White, 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	GRN170S [LED GreenLine system flux 17000
	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
	evenerale the D10. Therefore the median
	example, the B10. Therefore, the median

	useful life (B50) value also represents the
	B10 value.
Product family code	BY471P [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	17,000 lm
Correlated Colour Temperature	4000 K

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Luminous efficacy (rated) (nom.)	155 lm/W
Colour rendering index (CRI)	≥80
Beam angle of light source	114 degree(s)
Light source colour	840 neutral white
Optic type	Wide beam
Optical cover type	Clear glass
Luminaire light beam spread	44° x 42°
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	110 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	-30 to +45 °C
Controls and Dimming	
Dimmable	Yes

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

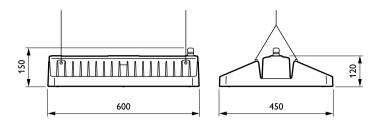
Mechanical and Housing

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	600 mm
Overall width	450 mm
Overall height	150 mm

Dimonsions (height y width y donth)	150 x 450 x 600 mm
Dimensions (height x width x depth)	150 x 450 x 600 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 Compli	iant)
Control gear failure rate at median useful	
life 50,000 h	o, c
Control gear failure rate at median useful	10 %
life 100,000 h	10 %
Lumen maintenance at median useful	1.95
life* 50,000 h	L85
	170
Lumen maintenance at median useful	L70
life* 100,000 h	
Application Conditions	
	25 ℃
Performance ambient temperature Tq	
Maximum dim level	10%
Suitable for random switching	No
Product Data	
Product Data	
Order product name	BY471P GRN170S/840 PSD WB GC BR WH
	SWP
Full product name	BY471P GRN170S/840 PSD WB GC BR WH
	SWP
Full EOC	871869632252900
Order code	32252900
Material no. (12 NC)	910930206012
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696322529
Numerator – packs per outer box	1
EAN/UPC - Case	8718696322529

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Dimensional drawing





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