PHILIPS Lighting



GentleSpace gen2

BY471P GRN170S/840 PSD WB GC BR SI SWP

GentleSpace 2, LED GreenLine system flux 17000 lm, 840 neutral white, Power supply unit with DALI interface, 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	GRN170S [LED GreenLine system flux 17000
	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	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 Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	155 lm/W

GentleSpace gen2

Color rendering index (CRI)	≥80
Number of light sources	12
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	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
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
Optical cover material	Glass
Fixation material	Steel
	Steel Silver
Fixation material Housing Color Optical cover finish	

450 mm

150 mm

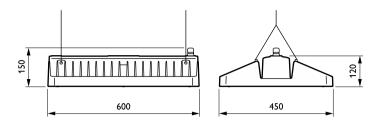
-	150 150 500
Dimensions (Height x Width x Depth)	150 x 450 x 600 mm
Annual and Annult at	
Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]
Protection class IEC	Safety class I
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-11%
Over Time Performance (IEC Complia	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 life*	L85
50000 h	
Lumen maintenance at median useful life*	L70
100000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	10%
Suitable for random switching	No
Product Data	
Order product name	BY471P GRN170S/840 PSD WB GC BR SI
	SWP
Full product name	BY471P GRN170S/840 PSD WB GC BR SI
	SWP
Full product code	871869632197300
Order code	32197300
Material Nr. (12NC)	910930205956
. ,	1
Numerator - Quantity Per Pack	·
EAN/UPC - Product/Case	8718696321973
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696321973

Overall width

Overall height

GentleSpace gen2

Dimensional drawing





© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, April 29 - data subject to change