PHILIPS Lighting



GentleSpace gen2

BY471P GRN170S/840 PSD MB GC SI

GentleSpace 2, LED GreenLine system flux 17000 lm, 840 neutral white, Power supply unit with DALI interface, Medium 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	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
	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

GentleSpace gen2

Luminous efficacy (rated) (nom.)	155 lm/W	Overall h
Colour rendering index (CRI)	≥80	Dimensio
Beam angle of light source	114 degree(s)	
Light source colour	840 neutral white	Approv
Optic type	Medium beam	Ingress p
Optical cover type	Clear glass	Mech. im
Luminaire light beam spread	40° x 40°	Protectio
Unified Glare Rating (CEN)	25	
		Initial P
Operating and Electrical		Luminou
Input Voltage	220-240 V	Initial ch
Line Frequency	50 to 60 Hz	Power co
Inrush current	4.8 A	
Inrush time	2.3 ms	Over Ti
Power Consumption	110 W	Control g
Power Factor (Fraction)	0.9	life 50,0
Connection	External connector	Control g
Cable	Cord with plug Wieland/Adels compatible 5-	life 100,0
	pole	Lumen m
Number of products on MCB of 16 A type	12	50,000 l
В		Lumen m
		100,000
Temperature		
Ambient temperature range	-30 to +45 °C	Applica
		Performa
Controls and Dimming		Maximur
Dimmable	Yes	Suitable
Driver/power unit/transformer	Power supply unit with DALI interface	
Control interface	DALI	Product
Control interface Constant light output	DALI No	
		Order pr
		Order pro
Constant light output		Order pro Full prod Full EOC
Constant light output Mechanical and Housing	No	Order pro Full proc Full EOC Order co
Constant light output Mechanical and Housing Housing material	No	Product Order pro Full prod Full EOC Order co Material SAP num
Constant light output Mechanical and Housing Housing material Reflector material	No Aluminium -	Order pro Full prod Full EOC Order co Material
Constant light output Mechanical and Housing Housing material Reflector material Optic material	No Aluminium - Acrylate	Order pro Full prod Full EOC Order co Material SAP num
Constant light output Mechanical and Housing Housing material Reflector material Optic material Optical cover/lens material	No Aluminium - Acrylate Glass	Order pro Full prod Full EOC Order co Material SAP num EAN/UP
Constant light output Mechanical and Housing Housing material Reflector material Optic material Optical cover/lens material Fixation material	No Aluminium - Acrylate Glass Stainless steel	Order pr Full proc Full EOC Order co Material SAP num EAN/UP
Constant light output Mechanical and Housing Housing material Reflector material Optic material Optical cover/lens material Fixation material Housing Colour	No Aluminium - Acrylate Glass Stainless steel Silver	Order pr Full proc Full EOC Order co Material SAP num EAN/UP

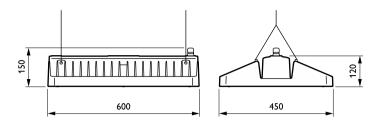
450 mm

Quarall height	150 mm
Overall height	
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	ant)
Control gear failure rate at median useful	
life 50,000 h	5.70
Control gear failure rate at median useful	10 %
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	
Application Conditions	25 %
Performance ambient temperature Tq	25 ℃
Maximum dim level	10%
Suitable for random switching	No
Product Data	
Order product name	BY471P GRN170S/840 PSD MB GC SI
Full product name	BY471P GRN170S/840 PSD MB GC SI
Full EOC	871869632190400
Order code	32190400
Material no. (12 NC)	910930205949
SAP numerator - quantity per pack	1
EAN/UPC — Product/Case	8718696321904
Numerator – packs per outer box	1
EAN/UPC - Case	8718696321904

Overall width

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