PHILIPS Lighting



GentleSpace gen2

BY471P GRN250S/840 PSD MB AC SI

GentleSpace 2, LED GreenLine system flux 25000 lm, 840 neutral white, Power supply unit with DALI interface, Medium beam, Acrylic 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 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	GRN250S [LED GreenLine system flux 25000
	lm]
Cap base	- [-]
Light source replaceable	Yes
Number of gear units	2 units
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 650 °C, duration 5 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	25,000 lm
Correlated Colour Temperature	4000 K

GentleSpace gen2

Luminous efficacy (rated) (nom.)	152 lm/W	Overa
Colour rendering index (CRI)	≥80	Dime
Beam angle of light source	114 degree(s)	
Light source colour	840 neutral white	Appr
Optic type	Medium beam	Ingre
Optical cover type	Acrylic bowl/cover	Mech
Luminaire light beam spread	40° x 40°	Prote
Unified Glare Rating (CEN)	25	
		Initia
Operating and Electrical		Lumii
Input Voltage	220-240 V	Initia
Line Frequency	50 to 60 Hz	Powe
Inrush current	9.6 A	
Inrush time	2.3 ms	Over
Power Consumption	164 W	Contr
Power Factor (Fraction)	0.9	life 5
Connection	External connector	Contr
Cable	Cord with plug Wieland/Adels compatible 5-	life 10
	pole	Lume
Number of products on MCB of 16 A type	6	50,00
В		Lume
		100,0
Temperature		
		Appl
Ambient temperature range	-30 to +45 °C	
Ambient temperature range	-30 to +45 ℃	Perfo
Ambient temperature range Controls and Dimming	-30 to +45 ℃	
	-30 to +45 ℃ Yes	Maxi
Controls and Dimming		Maxi
Controls and Dimming Dimmable	Yes	Maxi Suita
Controls and Dimming Dimmable Driver/power unit/transformer	Yes Power supply unit with DALI interface	Maxin Suita Proc
Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Yes Power supply unit with DALI interface DALI	Maxin Suita Prod
Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Yes Power supply unit with DALI interface DALI	Maxin Suita Prod Order Full p
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	Yes Power supply unit with DALI interface DALI	Maxin Suita Prod Order Full p Full p
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	Yes Power supply unit with DALI interface DALI No	Maxii Suita Prod Order Full p Full p Order
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing material	Yes Power supply unit with DALI interface DALI No	Maxii Suita Prod Ordei Full p Full p Full E Ordei Mate
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing material Reflector material	Yes Power supply unit with DALI interface DALI No Aluminium -	Maxii Suita Prod Order Full E Order Mate SAP r
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing material Reflector material Optic material	Yes Power supply unit with DALI interface DALI No Aluminium - Acrylate	Maxii Suita Prod Ordei Full p Full p Ordei Mate SAP i EAN/
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing material Reflector material Optic material Optical cover/lens material	Yes Power supply unit with DALI interface DALI No Aluminium - Acrylate Acrylate	Maxin Suital Prod Order Full p Full E Order Mateu SAP r EAN/ Nume
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing material Reflector material Optic material Optical cover/lens material Fixation material Housing Colour	Yes Power supply unit with DALI interface DALI No Aluminium - Acrylate Acrylate Stainless steel	Maxin Suital Prod Order Full p Full E Order Mateu SAP r EAN/ Nume
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing material Reflector material Optic material Optical cover/lens material Fixation material	Yes Power supply unit with DALI interface DALI No Aluminium - Acrylate Acrylate Stainless steel Silver	Perfo Maxir Suital Prod Order Full p Full E Order Mateu SAP r EAN/ Nume EAN/

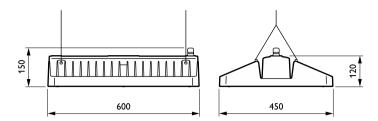
450 mm

Overall height	150 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	ant)
Control gear failure rate at median useful	
life 50,000 h	
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	
A thirth of the	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	10%
Suitable for random switching	No
Product Data	
Order product name	BY471P GRN250S/840 PSD MB AC SI
Full product name	BY471P GRN250S/840 PSD MB AC SI
Full EOC	871869632287100
Order code	32287100
Material no. (12 NC)	910930206047
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696322871
EAN/UPC — Product/Case Numerator – packs per outer box	8718696322871 1

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