# **PHILIPS** Lighting



# **GentleSpace gen2**

# BY471P GRN250S/840 PSD NB GC SI

GentleSpace 2, LED GreenLine system flux 25000 lm, 840 neutral white, Power supply unit with DALI interface, Narrow 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	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 850 °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	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	Narrow beam	Ingress p
Optical cover type	Clear glass	Mech. im
Luminaire light beam spread	25° x 30°	Protectio
Unified Glare Rating (CEN)	19	
		Initial P
Operating and Electrical		Luminou
Input Voltage	220-240 V	Initial ch
Line Frequency	50 to 60 Hz	Power co
Inrush current	9.6 A	
Inrush time	2.3 ms	Over Ti
Power Consumption	164 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	6	50,000 l
В		Lumen m
		100,000
Temperature		
Ambient temperature range	-30 to +45 °C	Applica
		Performa
Controls and Dimming		
Controls and Dimining		Maximur
Dimmable	Yes	
	Yes Power supply unit with DALI interface	
Dimmable		Suitable
Dimmable Driver/power unit/transformer	Power supply unit with DALI interface	Suitable Product
Dimmable Driver/power unit/transformer Control interface	Power supply unit with DALI interface DALI	Suitable Product
Dimmable Driver/power unit/transformer Control interface	Power supply unit with DALI interface DALI	Suitable Product Order pro
Dimmable Driver/power unit/transformer Control interface Constant light output	Power supply unit with DALI interface DALI	Suitable Product Order pro Full prod Full EOC
Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	Power supply unit with DALI interface DALI No	Suitable Product Order pro- Full prod Full EOC Order co
Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing material	Power supply unit with DALI interface DALI No	Suitable Product Order pro Full prod Full EOC Order co Material
Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing material Reflector material	Power supply unit with DALI interface DALI No Aluminium -	Maximur Suitable Product Order pro Full prod Full EOC Order co Material SAP num EAN/UPO
Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing material Reflector material Optic material	Power supply unit with DALI interface DALI No Aluminium - Acrylate	Suitable Product Order pro Full prod Full EOC Order co Material SAP num
Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing material Reflector material Optic material Optical cover/lens material	Power supply unit with DALI interface DALI No Aluminium - Acrylate Glass	Suitable Product Order pro Full prod Full EOC Order co Material SAP num EAN/UPC

Clear

600 mm

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	5 %
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	
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 NB GC SI
Full product name Full EOC	BY471P GRN250S/840 PSD NB GC SI 871869632201700
Order code	32201700 910930205960
Material no. (12 NC)	910930205960
SAP numerator – quantity per pack EAN/UPC – Product/Case	8718696322017
Numerator – packs per outer box	1
EAN/UPC - Case	8718696322017
Ling of C - Case	0/1003032201/

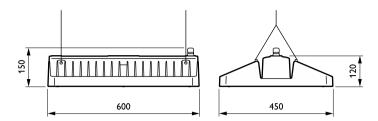
Optical cover/lens finish

Overall length

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