PHILIPS Lighting



GentleSpace gen2

BY471P GRN250S/840 PSD WB GC BR SI

GentleSpace 2, LED GreenLine system flux 25000 lm, 840 neutral white, Power supply unit with DALI interface, Wide 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	*-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	25,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	152 lm/W

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Color rendering index (CRI)	≥80	Overall heig
Number of light sources	16	Dimensions
Beam angle of light source	114 degree(s)	
Light source color	840 neutral white	Approval a
Optic type	Wide beam	Ingress prot
Optical cover type	Clear glass	Mech. impa
Luminaire light beam spread	44° x 42°	Protection of
Unified glare rating CEN	25	
		Initial Per
Operating and Electrical		Luminous fl
Input Voltage	220-240 V	Initial chron
Line Frequency	50 to 60 Hz	Power cons
Inrush current	9.6 A	
Inrush time	2.3 ms	Over Time
Power Consumption	164 W	Control gea
Power Factor (Fraction)	0.9	life 50000 l
Connection	External connector	Control gea
Cable	Cord with plug Wieland/Adels compatible 5-	life 100000
	pole	Lumen mair
Number of products on MCB of 16 A type	6	life* 50000
В		Lumen mair
		life* 10000
Temperature		
Ambient temperature range	-30 to +45 °C	Applicatio
		Performanc
Controls and Dimming		Maximum d
N 11		
Dimmable	Yes	Suitable for
Dimmable Driver/power unit/transformer	Yes Power supply unit with DALI interface	Suitable for
Driver/power unit/transformer	Power supply unit with DALI interface	Product D
Driver/power unit/transformer Control interface	Power supply unit with DALI interface	Product D Order produ
Driver/power unit/transformer Control interface	Power supply unit with DALI interface	Product D Order produ Full product
Driver/power unit/transformer Control interface Constant light output	Power supply unit with DALI interface	Product D Order produ Full product
Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	Power supply unit with DALI interface DALI No	Product D Order produ Full product Full product Order code
Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	Power supply unit with DALI interface DALI No Aluminum	Product D Order product Full product Full product Order code Material Nr.
Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material	Power supply unit with DALI interface DALI No Aluminum -	Product D Order product Full product Order code Material Nr. Local order
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 Aluminum - Acrylate	Product Da Order product Full product Full product Order code Material Nr. Local order Numerator
Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material	Power supply unit with DALI interface DALI No Aluminum - Acrylate Glass	Product D Order produ Full product Full product Order code Material Nr. Local order Numerator - EAN/UPC -
Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material	Power supply unit with DALI interface DALI No Aluminum - Acrylate Glass Steel	Product D Order produ Full product Full product Order code Material Nr. Local order Numerator - EAN/UPC - Numerator -
Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color	Power supply unit with DALI interface DALI No Aluminum - Acrylate Glass Steel Silver	Suitable for Product Da Order product Full product Order code Material Nr. Local order Numerator EAN/UPC - EAN/UPC -

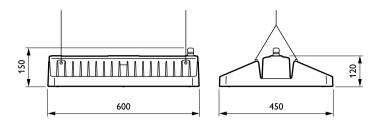
450 mm

Overall height	150 mm
Dimensions (Height x Width x Depth)	150 x 450 x 600 mm
Approval and Application	
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%
Power consumption toterance	+/-11/o
Over Time Performance (IEC Compl	iant)
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	L85
life* 50000 h	
Lumen maintenance at median useful	L70
life* 100000 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 WB GC BR SI
Full product name	BY471P GRN250S/840 PSD WB GC BR SI
Full product code	871869632203100
Order code	910930205962
Material Nr. (12NC)	910930205962
Local order code	BY471P2504KDWBR
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696322031
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696322031

Overall width

GentleSpace gen2

Dimensional drawing





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