PHILIPS Lighting



GentleSpace gen2

BY471P GRN170S/840 PSD A50 G MBW WH SWP

GentleSpace 2, LED GreenLine system flux 17000 lm, 840 neutral white, Power supply unit with DALI interface, Asymmetrical mirror axis angle 50°, Glass, White

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

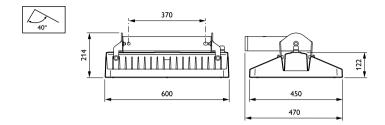
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Color rendering index (CRI)	≥80
Number of light sources	12
Beam angle of light source	114 degree(s)
Light source color	840 neutral white
Optic type	Asymmetrical mirror axis angle 50°
Optical cover type	Glass
Luminaire light beam spread	56° x 33°
Unified glare rating CEN	Not applicable
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	pole 12
Number of products on MCB of 16 A type B	
В	
B Temperature	12
B Temperature	12
B Temperature Ambient temperature range	12
B Temperature Ambient temperature range Controls and Dimming	-30 to +45 °C
B Temperature Ambient temperature range Controls and Dimming Dimmable	12 -30 to +45 °C Yes
B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	12 -30 to +45 °C Yes Power supply unit with DALI interface
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B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material	12 -30 to +45 °C -30 to +45 °C Yes Power supply unit with DALI interface DALI No Aluminum - Acrylate
B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optic acover material	12 12 -30 to +45 °C Yes Power supply unit with DALI interface DALI No Aluminum - Acrylate Glass
B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material	12 -30 to +45 °C -30 to +45 °C Yes Power supply unit with DALI interface DALI No Aluminum - Acrylate Glass Steel
B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optic acover material Fixation material Housing Color	12 -30 to +45 °C -30 to +45 °C Yes Power supply unit with DALI interface DALI No Aluminum - Acrylate Glass Steel White
B Temperature Ambient temperature range Controls and Dimming Dimmable 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 Optical cover finish	12 12 -30 to +45 °C -30 to +45 °C Yes Power supply unit with DALI interface DALI No Aluminum - Acrylate Glass Steel White Clear
B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optic acover material Fixation material Housing Color Optical cover finish Overall length	12 12 -30 to +45 °C -30 to +45 °C Yes Power supply unit with DALI interface DALI No Aluminum - Acrylate Glass Steel White Clear 600 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 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	Yes
Product Data	
Order product name	BY471P GRN170S/840 PSD A50 G MBW WH
	SWP
Full product name	BY471P GRN170S/840 PSD A50 G MBW WH
	SWP
Full product code	871869634599300
Order code	34599300
Material Nr. (12NC)	910925863186
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696345993
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696345993

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Dimensional drawing





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