PHILIPS Lighting



GentleSpace gen2

BY473P GRN170S/840 PSD WB G SI

GentleSpace 2, LED GreenLine system flux 17000 lm, 840 neutral white, Power supply unit with DALI interface, Wide beam, 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	BY473P [GentleSpace 2]
Lighting Technology	LED
Embedded control	-
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on easily flammable surfaces
ENEC mark	-
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	17,000 lm
Correlated Colour Temperature	4000 K

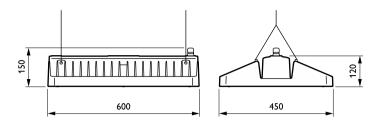
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Luminous efficacy (rated) (nom.)	155 lm/W	Overall height
Colour rendering index (CRI)	≥80	Dimensions (height
Beam angle of light source	114 degree(s)	
Light source colour	840 neutral white	Approval and Ap
Optic type	Wide beam	Ingress protection
Optical cover type	Glass	Mech. impact prote
Luminaire light beam spread	44° x 42°	Protection class IE
Unified Glare Rating (CEN)	25	
		Initial Performa
Operating and Electrical		Luminous flux tole
Input Voltage	220-240 V	Initial chromaticity
Line Frequency	50 to 60 Hz	Power consumptio
Inrush current	4.8 A	
Inrush time	2.3 ms	Over Time Perfo
Power Consumption	110 W	Control gear failure
Power Factor (Fraction)	0.9	life 50,000 h
Connection	External connector	Control gear failure
Cable	Cord with plug Wieland/Adels compatible 5-	life 100,000 h
	pole	Lumen maintenand
Number of products on MCB of 16 A type	12	50,000 h
В		Lumen maintenanc
		100,000 h
Temperature		
Ambient temperature range	-30 to +45 ℃	Application Con
Ambient temperature range	-30 to +45 ℃	Application Con Performance ambie
Ambient temperature range Controls and Dimming	-30 to +45 ℃	
	-30 to +45 °C	Performance ambi
Controls and Dimming		Performance ambie Maximum dim leve
Controls and Dimming Dimmable	Yes	Performance ambi Maximum dim leve
Controls and Dimming Dimmable Driver/power unit/transformer	Yes Power supply unit with DALI interface	Performance ambi Maximum dim leve Suitable for randor
Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Yes Power supply unit with DALI interface DALI	Performance ambi Maximum dim leve Suitable for randor Product Data
Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Yes Power supply unit with DALI interface DALI	Performance ambi Maximum dim leve Suitable for randor Product Data Order product nam
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	Yes Power supply unit with DALI interface DALI	Performance ambie Maximum dim leve Suitable for randor Product Data Order product nam Full product name
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	Performance ambin Maximum dim leve Suitable for randor Product Data Order product nam Full product name Full EOC
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	Performance ambin Maximum dim leve Suitable for randor Product Data Order product name Full product name Full EOC Order code
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	Performance ambi Maximum dim leve Suitable for randor Product Data Order product name Full product name Full EOC Order code Material no. (12 NC
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	Performance ambin Maximum dim leve Suitable for randor Product Data Order product name Full product name Full EOC Order code Material no. (12 NC SAP numerator – c
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 Glass	Performance ambin Maximum dim leve Suitable for randor Product Data Order product nam Full product name Full EOC Order code Material no. (12 NC SAP numerator – q EAN/UPC – Produ
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 Glass Stainless steel	Performance ambin Maximum dim leve Suitable for randor Product Data Order product nam Full product name Full EOC Order code Material no. (12 NC SAP numerator - q EAN/UPC - Produ Numerator - packs
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 Glass Stainless steel Silver	Performance ambin Maximum dim leve Suitable for randor Product Data Order product nam Full product name Full EOC Order code Material no. (12 NC SAP numerator - q EAN/UPC - Produ Numerator - packs

	150
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	
Control gear failure rate at median useful	5 %
life 50,000 h	
Control gear failure rate at median useful	10 %
life 100,000 h	105
Lumen maintenance at median useful life*	L85
50,000 h Lumen maintenance at median useful life*	170
	270
100,000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	10%
Suitable for random switching	No
Product Data	
Order product name	BY473P GRN170S/840 PSD WB G SI
Full product name	BY473P GRN170S/840 PSD WB G SI
Full EOC	871869634847500
Order code	34847500
Material no. (12 NC)	910925863437
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696348475
Numerator – packs per outer box	1
EAN/UPC - Case	8718696348475

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Dimensional drawing





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