



GentleSpace gen2

BY470P GRN130S/840 PSD WB GC BR SI

GentleSpace 2, LED GreenLine system flux 13000 lm, 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	GRN130S [LED GreenLine system flux 13000
	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	BY470P [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	13,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	149 lm/W
Color rendering index (CRI)	≥80
Number of light sources	8
Beam angle of light source	114 degree(s)

Datasheet, 2023, April 29 data subject to change

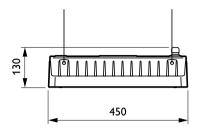
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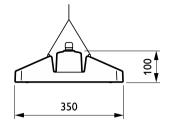
Light source color	840 neutral white
Optic type	Wide beam
Optical cover type	Clear glass
Luminaire light beam spread	42° x 44°
Unified glare rating CEN	25
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	4.8 A
Inrush time	2.3 ms
Power Consumption	87 W
Power 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	12
В	
Temperature	
Ambient temperature range	-30 to +45 ℃
Controls and Dimming	
Controls and Dimming Dimmable	Yes
	Yes Power supply unit with DALI interface
Dimmable	
Dimmable Driver/power unit/transformer	Power supply unit with DALI interface
Dimmable Driver/power unit/transformer Control interface Constant light output	Power supply unit with DALI interface DALI
Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	Power supply unit with DALI interface DALI No
Dimmable Driver/power unit/transformer Control interface Constant light output	Power supply unit with DALI interface DALI
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 Aluminum -
Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	Power supply unit with DALI interface DALI No Aluminum
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 Aluminum -
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 Aluminum - Acrylate
Dimmable 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
Dimmable 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
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	Power supply unit with DALI interface DALI No Aluminum - Acrylate Glass Steel Silver
Drimmable 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	Power supply unit with DALI interface DALI No Aluminum - Acrylate Glass Steel Silver Clear
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 Overall length	Power supply unit with DALI interface DALI No Aluminum - Acrylate Glass Steel Silver Clear 450 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	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	BY470P GRN130S/840 PSD WB GC BR SI
Full product name	BY470P GRN130S/840 PSD WB GC BR SI
Full product code	871869632184300
Order code	910930205943
Material Nr. (12NC)	910930205943
Local order code	BY470P1304KDWBR
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696321843
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696321843

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Dimensional drawing







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