PHILIPS Lighting



GentleSpace gen2

BY471P PRO170S/840 PSD VNB GC SMT-HD SI

GentleSpace 2, LED ProfessionalLine, system flux 17000 lm, 840 neutral white, Power supply unit with DALI interface, Extra 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	PRO170S [LED ProfessionalLine, 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 650 °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)	123 lm/W

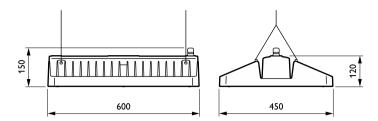
GentleSpace gen2

	200
Color rendering index (CRI)	280
Number of light sources	12
Beam angle of light source	114 degree(s)
Light source color	840 neutral white
Optic type	Extra narrow beam
Optical cover type	Clear glass
Luminaire light beam spread	16°
Unified glare rating CEN	19
On susting a surel Electrical	
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	128 W
Power Factor (Fraction)	0.9
Connection	External connector
Cable	Cord with plug Wieland/Adels compatible 5
	pole
	pole 12
В	
B Temperature	12
B Temperature	
B Temperature Ambient temperature range	12
B Temperature Ambient temperature range Controls and Dimming	12 -30 to +60 °C
B Temperature Ambient temperature range Controls and Dimming Dimmable	12 -30 to +60 °C Yes
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	12 -30 to +60 °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	12 -30 to +60 °C Yes Power supply unit with DALI interface DALI No
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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 +60 °C Yes Power supply unit with DALI interface DALI No Aluminum - Polycarbonate
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 acver material	12 -30 to +60 °C Yes Power supply unit with DALI interface DALI No Aluminum - Polycarbonate 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 +60 °C Yes Power supply unit with DALI interface DALI No Aluminum - Polycarbonate Glass Stainless 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 Optical cover material Fixation material Housing Color	12 -30 to +60 °C -30 to +60 °C Yes Power supply unit with DALI interface DALI No Aluminum - Polycarbonate Glass Stainless steel Silver
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 -30 to +60 °C -30 to +60 °C Yes Power supply unit with DALI interface DALI No Aluminum - Polycarbonate Glass Stainless steel Silver 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 aterial Fixation material Housing Color Optical cover finish Overall length	12 -30 to +60 °C -30 to +60 °C Yes Power supply unit with DALI interface DALI No Aluminum - Polycarbonate Glass Stainless steel Silver Clear 600 mm
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	12 -30 to +60 °C -30 to +60 °C Yes Power supply unit with DALI interface DALI No Aluminum - Polycarbonate Glass Stainless steel Silver Clear

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	L95
life* 50000 h	
Lumen maintenance at median useful	L85
life* 100000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	10%
Suitable for random switching	No
Product Data	
Order product name	BY471P PRO170S/840 PSD VNB GC SMT-HD
	SI
Full product name	BY471P PRO170S/840 PSD VNB GC SMT-HD
	SI
Full product code	871869634830700
Order code	34830700
Material Nr. (12NC)	910925863420
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696348307
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696348307

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Dimensional drawing





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