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	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	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 Colour Temperature	4000 K

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Luminous efficacy (rated) (nom.)	123 lm/W		**Dimensions (height x width x depth)**	150 x 450 x 600 mm
Colour rendering index (CRI)	≥80			
Beam angle of light source	114 degree(s)		**Approval and Application**	
Light source colour	840 neutral white		**Ingress protection code**	IP65 [Dust penetration-protected, jet-proof]
Optic type	Extra narrow beam		**Mech. impact protection code**	IK07 [2 J reinforced]
Optical cover type	Clear glass		**Protection class IEC**	Safety class I
Luminaire light beam spread	16°			
Unified Glare Rating (CEN)	19		**Initial Performance (IEC Compliant)**	
			Luminous flux tolerance	+/-7%
Operating and Electrical			**Initial chromaticity**	(0.38, 0.38) SDCM <3
Input Voltage	220-240 V		**Power consumption tolerance**	+/-11%
Line Frequency	50 to 60 Hz			
Inrush current	4.8 A		**Over Time Performance (IEC Compliant)**	
Inrush time	2.3 ms		**Control gear failure rate at median useful life 50,000 h**	5 %
Power Consumption	128 W			
Power Factor (Fraction)	0.9		**Control gear failure rate at median useful life 100,000 h**	10 %
Connection	External connector			
Cable	Cord with plug Wieland/Adels compatible 5-pole		**Lumen maintenance at median useful life* 50,000 h**	L95
Number of products on MCB of 16 A type B	12		**Lumen maintenance at median useful life* 100,000 h**	L85
Temperature			**Application Conditions**	
Ambient temperature range	–30 to +60 °C		**Performance ambient temperature Tq**	25 °C
			Maximum dim level	10%
Controls and Dimming			**Suitable for random switching**	No
Dimmable	Yes			
Driver/power unit/transformer	Power supply unit with DALI interface		**Product Data**	
Control interface	DALI		**Order product name**	BY471P PRO170S/840 PSD VNB GC SMT-HD SI
Constant light output	No			
			Full product name	BY471P PRO170S/840 PSD VNB GC SMT-HD SI
Mechanical and Housing				
Housing material	Aluminium		**Full EOC**	871869634830700
Reflector material	–		**Order code**	34830700
Optic material	Polycarbonate		**Material no. (12 NC)**	910925863420
Optical cover/lens material	Glass		**SAP numerator – quantity per pack**	1
Fixation material	Stainless steel		**EAN/UPC — Product/Case**	8718696348307
Housing Colour	Silver		**Numerator – packs per outer box**	1
Optical cover/lens finish	Clear		**EAN/UPC – Case**	8718696348307
Overall length	600 mm			
Overall width	450 mm			
Overall height	150 mm			

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Dimensional drawing

150

600

120

450

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2023, April 29 – data subject to change