PHILIPS

Lighting



GentleSpace gen2

BY471P GRN250S/840 PSD A50 G MBW WH

GentleSpace 2 - LED GreenLine system flux 25,000 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	
Number of light sources	16 [16 pcs]
Lamp family code	GRN250S [LED GreenLine system flux 25,000 lm]
Light source colour	840 neutral white
Cap base	- [-]
Light source replaceable	Yes
Gear	EB [Electronic]
Driver/power unit/transformer	PSD [Power supply unit with DALI interface]
Driver included	Yes
Optic type	A50 [Asymmetrical mirror axis angle 50°]
Optical cover/lens type	G [Glass]
Luminaire light beam spread	56° x 33°
Embedded control	No [-]
Connection	CE [External connector]

Cable	Cord with plug Wieland/Adels compatible 5-pole
Protection class IEC	Safety class I (I)
Mounting	MBW [Wall-mounting bracket]
Coating	-
Glow-wire test	850/5 [Temperature 850 °C, duration 5 s]
Flammability mark	D [For mounting on easily flammable surfaces]
CE mark	CE mark
ENEC mark	ENEC mark
Ball impact resistance mark	Ball Impact Resistance mark
Design award-winner marking	Design Award Winner 2014
Warranty period	5 years
Suspension accessories	MBW [Wall-mounting bracket]
Constant light output	No

GentleSpace gen2

Product Family Code	BY471P [GentleSpace 2]

Operating and Electrical	
Input voltage	220-240 V
Input frequency	50 to 60 Hz
Control signal voltage	0-16 V DC DALI
Power factor (min.)	0.9

Controls and Dimming	
Dimmable	Yes

Mechanical and Housing	
Housing material	Aluminum
Optic material	Acrylate
Optical cover/lens material	Glass
Gear tray material	Steel
Fixation material	Steel

Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]

Initial Performance (IEC Compliant)	
Initial luminous flux	25000 lm
Initial LED luminaire efficacy	152 lm/W
Init. Corr. colour temperature	4000 K
Initial chromaticity	(0.38, 0.38) SDCM <3
Initial input power	164 W

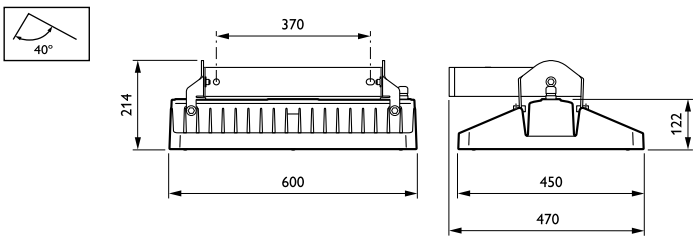
Power consumption tolerance	+/-2.5%

Over Time Performance (IEC Compliant)	
Driver failure rate at 5,000 hours	0.5 %
Median useful life L70B50	70000 h
Median useful life L80B50	50000 h
Median useful life L90B50	25000 h

Application Conditions	
Ambient temperature range	-30 to +45 °C
Average ambient temperature	25 °C
Maximum dimming level	Not applicable
Suitable for random switching	Yes (relates to presence/ movement detection and daylight harvesting)

Product Data	
Full product code	871869634598600
Order product name	BY471P GRN250S/840 PSD A50 G MBW WH
EAN/UPC – product	8718696345986
Order code	34598600
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	910925863185
Net weight (piece)	19.400 kg

Dimensional drawing



GentleSpace gen2 BY470P/BY471P

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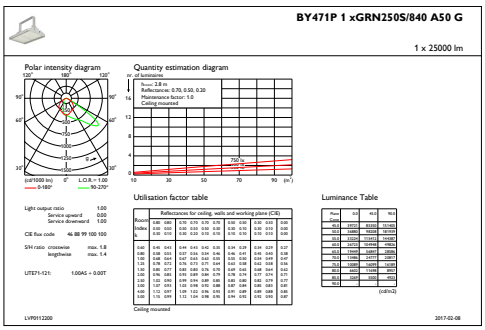
Photometric data



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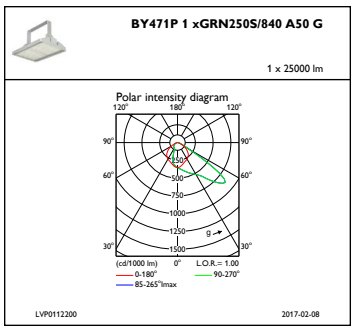

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