



GentleSpace gen2

BY471P GRN170S/840 PSD A50 G MBW SI SWP

GentleSpace 2 - LED GreenLine system flux 17,000 lm - 840 neutral white - Power supply unit with DALI interface - Asymmetrical mirror axis angle 50° - 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 continues to improve even further: an improved total cost of ownership, even in extreme conditions with the the GS-2 Xtreme version, which can be used up to +60 °C or 100,000 hrs of lifetime (L80), both ensured by an integrated over-heat protection. In addition, a wide variety of options – e.g. optics, coatings, mounting possibilities, cover materials and suitable for explosive zones 2/22 – are available to ensure an ideal solution for your application. Additionally, the GentleSpace gen2 can be equipped for use in a central emergency grid (PSED).

Product data

General Information	
Number of light sources	12 pcs
Lamp family code	GRN170S [LED GreenLine system flux 17,000 lm]
Light source color	840 neutral white
Cap-Base	- [-]
Light source replaceable	Yes
Gear	EB [Electronic]
Driver/power unit/transformer	Power supply unit with DALI interface
Driver included	Yes
Optic type	Asymmetrical mirror axis angle 50°
Optical cover/lens type	Glass

Luminaire light beam spread	56° x 33°
Embedded control	-
Connection	External connector
Cable	Cord with plug Wieland/Adels compatible 5-pole
Protection class IEC	Safety class I
Mounting	Wall-mounting bracket
Coating	-
Glow-wire test	Temperature 850 °C, duration 5 s
Flammability mark	For mounting on easily flammable surfaces
CE mark	CE mark
ENEC mark	ENEC mark

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Ball Impact resistance mark	Ball Impact Resistance mark
Design Award Winner mark	Design Award Winner 2014
Warranty period	5 years
Suspension accessories	Wall-mounting bracket
Constant light output	No
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
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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 (system flux)	17000 lm
Initial LED luminaire efficacy	155 lm/W

Init. Corr. Color Temperature	4000 K
Initial chromaticity	(0.38, 0.38) SDCM <3
Initial input power	110 W
Power consumption tolerance	+/-2.5%

Over Time Performance (IEC Compliant)

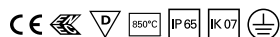
Driver failure rate at 5000 h	0.5 %
Median useful life L70B50	70000 h
Median useful life L80B50	50000 h
Median useful life L90B50	25000 h

Application Conditions

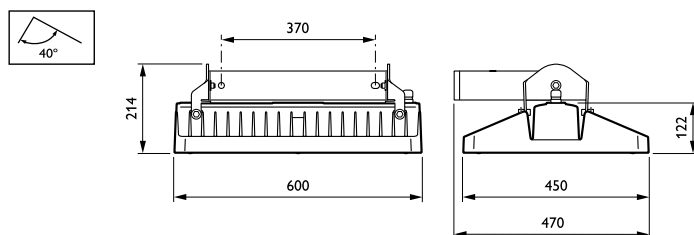
Ambient temperature range	-30 to +45 °C
Average ambient temperature	25 °C
Maximum dim level	Not applicable
Suitable for random switching	Yes (relates to presence/ movement detection and daylight harvesting)

Product Data

Full product code	871869634595500
Order product name	BY471P GRN170S/840 PSD A50 G MBW SI SWP
EAN/UPC - Product	8718696345955
Order code	910925863182
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910925863182
Net Weight (Piece)	19.000 kg

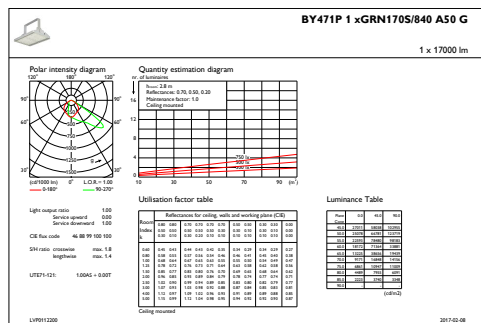


Dimensional drawing

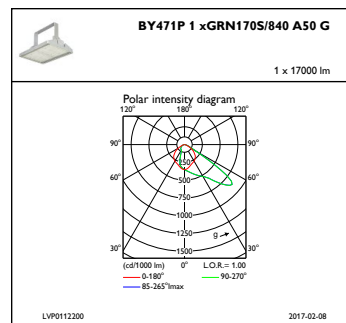


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Photometric data



IFGU1_BY471P1xGRN170S840A50G



IFPC1_BY471P1xGRN170S840A50G

