



# GentleSpace gen2

## BY470P GRN130S/840 PSED WB GC WH

GentleSpace 2 - LED GreenLine system flux 13,000 lm - 840 neutral white - Power supply unit with DALI interface, DC-compatible for central emergency lighting (integrated) - Wide beam - Clear 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 continues to improve even further: an improved total cost of ownership, even in extreme conditions with 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		Driver/power unit/transformer	Power supply unit with DALI interface, DC-compatible for central emergency lighting (integrated)
Number of light sources	8 pcs		
Lamp family code	GRN130S [ LED GreenLine system flux 13,000 lm]		
Beam angle of light source	114 °		
Light source color	840 neutral white		
Cap-Base	- [ - ]		
Light source replaceable	Yes		
Number of gear units	1 unit		
Gear	EB [ Electronic]		
Driver included		Optic type	Wide beam
Optical cover/lens type		Optical cover/lens type	Clear glass
Luminaire light beam spread		Luminaire light beam spread	42° x 44°
Embedded control		Embedded control	-
Control interface		Control interface	DALI
Connection		Connection	External connector

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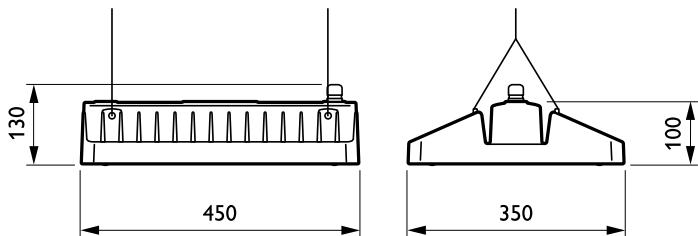
Cable	Cord with plug Wieland/Adels compatible 5-pole
Protection class IEC	Safety class I
Mounting	Suspension set twin, triangle
Coating	-
Glow-wire test	Temperature 850 °C, duration 5 s
Flammability mark	For mounting on easily flammable surfaces
CE mark	CE mark
ENEC mark	ENEC mark
Ball impact resistance mark	-
Design Award Winner mark	Design Award Winner 2014
Warranty period	5 years
Suspension accessories	-
Constant light output	No
Number of products on MCB of 16 A type B	12
RoHS mark	RoHS mark
Product family code	BY470P [ GentleSpace 2]
<b>Operating and Electrical</b>	
Input Voltage	220-240 V
Input Frequency	50 to 60 Hz
Control signal voltage	0-16 V DC DALI
Inrush current	4.8 A
Inrush time	2.3 ms
Power Factor (Min)	0.9
<b>Controls and Dimming</b>	
Dimmable	Yes
<b>Mechanical and Housing</b>	
Housing Material	Aluminum
Reflector material	-
Optic material	Acrylate
Optical cover/lens material	Glass
Gear tray material	Steel
Fixation material	Stainless steel
Optical cover/lens finish	Clear
Overall length	450 mm
Overall width	350 mm
Overall height	130 mm

<b>Approval and Application</b>	
Ingress protection code	IP65 [ Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [ 2 J reinforced]
<b>Initial Performance (IEC Compliant)</b>	
Initial luminous flux (system flux)	13000 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	149 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	≥80
Initial chromaticity	(0.38, 0.38) SDCM <3
Initial input power	87 W
Power consumption tolerance	+/-11%
<b>Over Time Performance (IEC Compliant)</b>	
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
<b>Application Conditions</b>	
Ambient temperature range	-30 to +45 °C
Average ambient temperature	25 °C
Maximum dim level	10%
Suitable for random switching	No
<b>Product Data</b>	
Full product code	871869632854500
Order product name	BY470P GRN130S/840 PSED WB GC WH
EAN/UPC - Product	8718696328545
Order code	910930206102
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910930206102
Net Weight (Piece)	9.300 kg



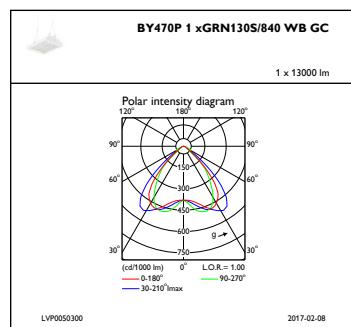
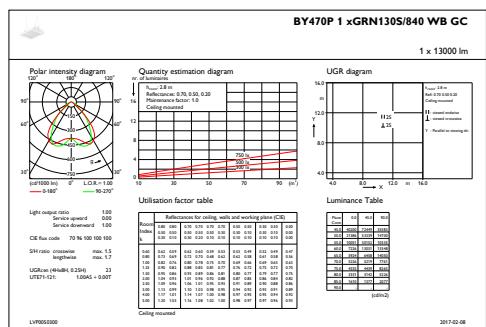
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## Dimensional drawing



GentleSpace gen2 BY470P/BY471P

## Photometric data



IFGU1\_BY470P1xGRN130S840WBGC

IFPC1\_BY470P1xGRN130S840WBGC

