



GentleSpace gen2

BY470P GRN130S/840 PSD MB AC BR SI

GentleSpace 2, LED GreenLine system flux 13000 lm, 840 neutral white, Power supply unit with DALI interface, Medium beam, Acrylic bowl/cover, 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	GRN130S [LED GreenLine system flux 13000
	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	BY470P [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	13,000 lm
Correlated Colour Temperature	4000 K

Datasheet, 2023, April 29 data subject to change

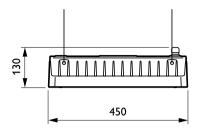
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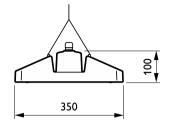
149 lm/W
≥80
114 degree(s)
840 neutral white
Medium beam
Acrylic bowl/cover
40° x 40°
25
220-240 V
50 to 60 Hz
4.8 A
2.3 ms
87 W
0.9
External connector
Cord with plug Wieland/Adels compatible 5
pole
: 12
-30 to +45 °C
-30 to +45 ℃
Yes
Yes Power supply unit with DALI interface
Yes Power supply unit with DALI interface DALI
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Yes Power supply unit with DALI interface DALI
Yes Power supply unit with DALI interface DALI
Yes Power supply unit with DALI interface DALI No
Yes Power supply unit with DALI interface DALI No
Yes Power supply unit with DALI interface DALI No Aluminium
Yes Power supply unit with DALI interface DALI No Aluminium - Acrylate
Yes Power supply unit with DALI interface DALI No Aluminium - Acrylate Acrylate
Yes Power supply unit with DALI interface DALI No Aluminium - Acrylate Acrylate Steel
Yes Power supply unit with DALI interface DALI No Aluminium - Acrylate Acrylate Steel Silver

Overall height	130 mm
Dimensions (height x width x depth)	130 x 350 x 450 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 50,000 h	
Control gear failure rate at median useful	10 %
life 100,000 h	
Lumen maintenance at median useful life*	L85
50,000 h	
Lumen maintenance at median useful life	L70
100,000 h	
100,000 11	
Application Conditions	
	25 ℃
Application Conditions	25 ℃ 10%
Application Conditions Performance ambient temperature Tq	
Application Conditions Performance ambient temperature Tq Maximum dim level	10%
Application Conditions Performance ambient temperature Tq Maximum dim level	10%
Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching	10%
Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data	10% No
Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name	10% No BY470P GRN130S/840 PSD MB AC BR SI
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Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full EOC	10% No BY470P GRN130S/840 PSD MB AC BR SI BY470P GRN130S/840 PSD MB AC BR SI 871869632221500
Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full EOC Order code	10% No BY470P GRN130S/840 PSD MB AC BR SI BY470P GRN130S/840 PSD MB AC BR SI 871869632221500 32221500
Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full EOC Order code Material no. (12 NC)	10% No BY470P GRN130S/840 PSD MB AC BR SI BY470P GRN130S/840 PSD MB AC BR SI 871869632221500 32221500 910930205980
Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full EOC Order code Material no. (12 NC) SAP numerator – quantity per pack	10% No BY470P GRN130S/840 PSD MB AC BR SI BY470P GRN130S/840 PSD MB AC BR SI 871869632221500 32221500 910930205980 1
Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full EOC Order code Material no. (12 NC) SAP numerator – quantity per pack EAN/UPC — Product/Case	10% No BY470P GRN130S/840 PSD MB AC BR SI BY470P GRN130S/840 PSD MB AC BR SI 871869632221500 32221500 910930205980 1 8718696322215
Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full EOC Order code Material no. (12 NC) SAP numerator – quantity per pack EAN/UPC — Product/Case Numerator – packs per outer box	10% No BY470P GRN130S/840 PSD MB AC BR SI BY470P GRN130S/840 PSD MB AC BR SI 871869632221500 32221500 910930205980 1 8718696322215 1

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Dimensional drawing







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