PHILIPS Lighting



GentleSpace Gen3

BY481P LED250S/840 PSD WB GC SI BP

Gentlespace gen3 Large, 840 neutral white, Power supply unit with DALI interface, Wide beam, Silver RAL 9006

GentleSpace gen3 provides a smart combination of versatile offer with high efficiency, connectivity options and reliability. It provides a wide variety of options in terms of optics, beam angles (from very narrow to wide) and lumen packages, each delivering on best-in-class quality of light for enhanced safety, productivity, and comfort. With GentleSpace gen3 you can easily create a tailor-made and ideal lighting solution for almost any high ceiling and/or industrial application. It supports changes in application requirements (such as layout changes) thanks to its flexible optical system, which can be easily adjusted even after installation. Additionally, a choice of mounting possibilities and pre-mounted IP65 connector enables quick and easy installation. You can choose various cover materials, special variants for extreme temperatures (XT), or hazardous areas (ATEX 2/22), or sports applications. In addition, GentleSpace gen3 also provides the option of advanced connectivity and is ready to be connected to IoT-based system and software applications such as Interact Industry. Created with Circularity principles in mind, GentleSpace is serviceable luminaire with all information available at hand, via Signify ServiceTag app. Whether you are looking for a reliable "fit & forget" solution or one that can be adapted and controlled after installation, GentleSpace gen3 is the ideal solution for your application.

Product data

General Information		Glow-wire test	Temperature 650 °C, duration 30 s
Light source replaceable	Yes	Warranty period	5 years
CE mark	Yes	Service tag	Yes
Number of gear units	1 unit	Product family code	BY481P [Gentlespace gen3 Large]
Driver included	Yes	Lighting Technology	LED
Flammability mark	-	ENEC mark	ENEC mark

GentleSpace Gen3

EU RoHS compliant	Yes
Value ladder	Specification
Analization Conditions	
Application Conditions	
Maximum dim level	10%
Performance ambient temperature Tq	45 ℃
Suitable for random switching	No
Light Technical	
Luminous Flux	25,000 lumen
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	154 lm/W
Color rendering index (CRI)	>80
Beam angle of light source	114 degree(s)
Light source color	840 neutral white
Optic type	Wide beam
Luminaire light beam spread	42° x 44°
Unified glare rating CEN	Not applicable
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Voltage	220-240 V
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	5.1 A
Inrush time	76 ms
Power Consumption	162 W
Power Factor (Fraction)	0.9
Connection	External connector
Cable	Cord with plug Wieland/Adels
	compatible 5-pole
Number of products on MCB of 16 A type B	12
Temperature	
Ambient temperature range	-30 to +45 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
Mechanical and Housing	
Housing Material	Aluminum
Reflector material	-

Optic material Polycarbonate Optical cover/lens material Glass Fixation material Steel Housing Color Silver RAL 9006 Optical cover/lens finish Clear Overall length 600 mm Overall width 490 mm Overall height 93 mm Dimensions (Height x Width x Depth) 93 x 490 x 600 mm Approval and Application IP65 [Dust penetration-protected, jet-proof] Mech. impact protection code IK07 [2 J reinforced] Sustainability rating Lighting for circularity Protection class IEC Safety class I Photobiological risk Photobiological risk group 1@200mm to EN62778 Initial Performance (IEC Compliant) Initial chromaticity Initial chromaticity (0.38, 0.38) SDCM <3 Luminous flux tolerance +/-10% Power consumption tolerance */-10% Control gear failure rate at median useful life 5% S0000 h Lumen maintenance at median useful life* L90 S0000 h Lumen maintenance at median useful life* L80					
Fixation material Steel Housing Color Silver RAL 9006 Optical cover/lens finish Clear Overall length 600 mm Overall width 490 mm Overall height 93 mm Dimensions (Height x Width x Depth) 93 x 490 x 600 mm Approval and Application Ingress protection code Ingress protection code IP65 [Dust penetration-protected, jet-proof] Mech. impact protection code IK07 [2 J reinforced] Sustainability rating Lighting for circularity Protection class IEC Safety class I Photobiological risk Photobiological risk group 1@200mm to EN62778 Initial Performance (IEC Compliant) Initial chromaticity Initial chromaticity (0.38, 0.38) SDCM <3 Luminous flux tolerance +/-10% Over Time Performance (IEC Compliant) Control gear failure rate at median useful life 50000 h Uumen maintenance at median useful life* L90 S0000 h Lumen maintenance at median useful life* L80	Optic material	Polycarbonate			
Housing Color Silver RAL 9006 Optical cover/lens finish Clear Overall length 600 mm Overall width 490 mm Overall height 93 mm Dimensions (Height x Width x Depth) 93 x 490 x 600 mm Approval and Application Ingress protection code Ingress protection code IP65 [Dust penetration-protected, jet-proof] Mech. impact protection code IK07 [2 J reinforced] Sustainability rating Lighting for circularity Protection class IEC Safety class I Photobiological risk Photobiological risk group 1@200mm to EN62778 Initial Performance (IEC Compliant) Initial chromaticity Initial chromaticity (0.38, 0.38) SDCM <3 Luminous flux tolerance +/-10% Power consumption tolerance +/-10% Over Time Performance (IEC Compliant) Control gear failure rate at median useful life 50000 h Uumen maintenance at median useful life* L90 S0000 h Lumen maintenance at median useful life* L80	Optical cover/lens material	Glass			
Optical cover/lens finish Clear Overall length 600 mm Overall width 490 mm Overall height 93 mm Dimensions (Height x Width x Depth) 93 x 490 x 600 mm Approval and Application 93 x 490 x 600 mm Ingress protection code IP65 [Dust penetration-protected, jet-proof] Mech. impact protection code IK07 [2 J reinforced] Sustainability rating Lighting for circularity Protection class IEC Safety class 1 Photobiological risk Photobiological risk group 1 @200mm to EN62778 Initial Performance (IEC Compliant) Initial chromaticity Over Time Performance (IEC Compliant) Control gear failure rate at median useful life Control gear failure rate at median useful life 10 % 100000 h Lumen maintenance at median useful life* L90 S0000 h Lumen maintenance at median useful life* L80	Fixation material	Steel			
Overall length 600 mm Overall width 490 mm Overall height 93 mm Dimensions (Height x Width x Depth) 93 x 490 x 600 mm Approval and Application 93 x 490 x 600 mm Ingress protection code IP65 [Dust penetration-protected, jet-proof] Mech. impact protection code IKO7 [2 J reinforced] Sustainability rating Lighting for circularity Protection class IEC Safety class I Photobiological risk Photobiological risk group 1 @200mm to EN62778 Initial Performance (IEC Compliant) Initial Chromaticity Over Time Performance (IEC Compliant) Control gear failure rate at median useful life Control gear failure rate at median useful life 10 % 100000 h Lumen maintenance at median useful life* L90 S0000 h Lumen maintenance at median useful life* L80	Housing Color	Silver RAL 9006			
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Power consumption tolerance +/-10% Over Time Performance (IEC Compliant) Control gear failure rate at median useful life 5 % 50000 h Control gear failure rate at median useful life 10 % 100000 h Lumen maintenance at median useful life* L90 50000 h Lumen maintenance at median useful life* L80	Initial chromaticity	(0.38, 0.38) SDCM <3			
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Lumen maintenance at median useful life* L80	Lumen maintenance at median useful life*	L90			
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Datasheet, 2023, September 8

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BY481P LED250S/840 PSD WB GC SI BP

BY481P LED250S/840 PSD WB GC SI BP

data subject to change

Product Data Full product code

Order code

Order product name

Material Nr. (12NC)

Full product name

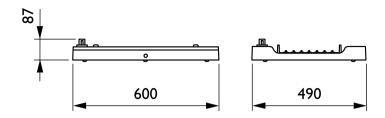
EAN/UPC - Case

Numerator - Quantity Per Pack

Numerator - Packs per outer box

GentleSpace Gen3

Dimensional drawing





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