PHILIPS Lighting



GentleSpace Gen3

BY481P LED250S/840 PSD NBA PC SI

Gentlespace gen3 Large, 840 neutral white, Power supply unit with DALI interface, Narrow beam adjustable, Polymethyl methacrylate bowl/cover, 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		Number of gear units	1 unit
Lamp family code	-	Driver included	Yes
Cap-Base	- [-]	Service tag	Yes
Light source replaceable	Yes	Product family code	BY481P [Gentlespace gen3 Large]

GentleSpace Gen3

Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	25,000 lm
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	Narrow beam adjustable
Optical cover type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	25° x 30°
Unified glare rating CEN	Not applicable
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
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	
Mechanical and Housing Housing Material	Aluminum
	Aluminum -
Housing Material	Aluminum - Polycarbonate
Housing Material	-

Housing Color	Silver RAL 9006
Optical cover finish	Clear
Overall length	600 mm
Overall width	490 mm
Overall height	110 mm
Dimensions (Height x Width x Depth)	110 x 490 x 600 mm
Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-
	proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Sustainability rating	-
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 1@200mm to
· · · · · · · · · · · · · · · · · · ·	EN62778
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%
Power consumption toterance	., -1076
Over Time Performance (IEC Compliant	:)
Driver failure rate at 5000 h	0.5 %
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
100000 h	
Application Conditions	
Performance ambient temperature Tq	45 ℃
Maximum dim level	10%
Suitable for random switching	No
C	
Product Data	
Order product name	BY481P LED250S/840 PSD NBA PC SI
Full product name	BY481P LED250S/840 PSD NBA PC SI
Full product code	871869941468900
Order code	41468900

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Material Nr. (12NC)

EAN/UPC - Case

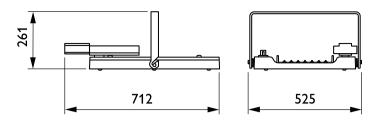
Numerator - Quantity Per Pack

Numerator - Packs per outer box

EAN/UPC - Product/Case

GentleSpace Gen3

Dimensional drawing





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