PHILIPS Lighting



GentleSpace Gen3

BY481P LED250S/840 PSD HRO GC SI

Gentlespace gen3 Large, 840 neutral white, Power supply unit with DALI interface, High-rack optic, 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	

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EU RoHS compliant	Yes	
Value ladder	Specification	
Application Conditions		
Application Conditions	10%	
Maximum dim level	10%	
Performance ambient temperature Tq	45 °C	
Suitable for random switching	No	
Links Tankainel		
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	High-rack optic	
Luminaire light beam spread	16° x 47°	
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	
Tomporature		
Temperature	20.45.45.95	
Ambient temperature range	-30 to +45 °C	
Controls and Dimming		
Controls and Dimming	Vec	
Dimmable	Yes Review events with DALL interface	
Driver/power unit/transformer	Power supply unit with DALI interface	
Control interface	DALI	
Constant light output	No	
Machanical and Heuring		
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	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	IK07 [2 J reinforced]	
Sustainability rating	Lighting for circularity	
Protection class IEC	Safety class I	
Photobiological risk	Photobiological risk group 1@200mm to	
	EN62778	

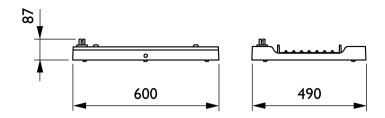
Initial Performance (IEC Compliant)			
Initial chromaticity	(0.38, 0.38) SDCM <3		
Luminous flux tolerance	+/-10%		
Power consumption tolerance	+/-10%		

Over Time Performance (IEC Compliant	:)
Control gear failure rate at median useful life	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	
Product Data	
Full weadwat and	871960040762600

Floduct Data		
Full product code	871869940763600	
Order product name	BY481P LED250S/840 PSD HRO GC SI	
Order code	910500465569	
Numerator - Quantity Per Pack	1	
Numerator - Packs per outer box	1	
Material Nr. (12NC)	910500465569	
Full product name	BY481P LED250S/840 PSD HRO GC SI	
EAN/UPC - Case	8718699407636	

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Dimensional drawing





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