# **PHILIPS** Lighting



# **GentleSpace Gen3**

# BY481P LED350S/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	
Application Conditions		
Application Conditions	10%	
Maximum dim level	10%	
Performance ambient temperature Tq	45 ℃	
Suitable for random switching	No	
Light Technical		
Luminous Flux	35.000 lumen	
	4000 K	
Correlated Color Temperature (Nom)	150 lm/W	
Luminous Efficacy (rated) (Nom)	>80	
Color rendering index (CRI)		
Beam angle of light source	114 degree(s) 840 neutral white	
Light source color	Wide beam	
Optic type	42° x 44°	
Luminaire light beam spread Unified glare rating CEN		
	Not applicable	
Operating and Electrical		
Line Frequency	50 to 60 Hz 220-240 V	
Input Voltage Initial CLO power consumption	- W	
Average CLO power consumption	- W	
Inrush current	15.3 A	
Inrush time	6.1 ms	
Power Consumption	232 W	
Power Factor (Fraction)	0.9	
Connection	External connector	
Cable	Cord with plug Wieland/Adels	
Cable	compatible 5-pole	
Number of products on MCB of 16 A type B	8	
the set of products of MCB of 10 A type B	<u> </u>	
Temperature		
Ambient temperature range	-30 to +45 ℃	
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		

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

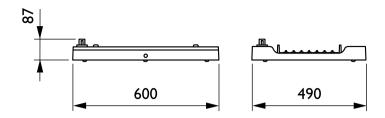
Initial Performance (IEC Compliant)		
Initial chromaticity	(0.38, 0.38) SDCM <3	
Luminous flux tolerance	+/-10%	
Power consumption tolerance	+/-10%	

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 product code	871869997468800			
Ouden and dust name				

i dii pioduci code	0/100333/400000	
Order product name	BY481P LED350S/840 PSD WB GC SI BP	
Order code	910505101323	
Numerator - Quantity Per Pack	1	
Numerator - Packs per outer box	1	
Material Nr. (12NC)	910505101323	
Full product name	BY481P LED350S/840 PSD WB GC SI BP	
EAN/UPC - Case	8718699974688	

### GentleSpace Gen3

#### Dimensional drawing





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