



GentleSpace Gen3

BY481P LED250S/840 PSD NBA GC 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		
Lamp family code	-	
Cap-Base	- [-]	
Light source replaceable	Yes	

CE mark	Yes
Number of gear units	1 unit
Driver included	Yes
Flammability mark	-

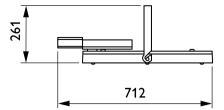
Datasheet, 2023, September 8 data subject to change

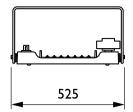
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Glow-wire test	Temperature 650 °C, duration 30 s	Mechanical and Housing	
Warranty period	5 years	Housing Material	Aluminum
Service tag	Yes	Reflector material	-
Product family code	BY481P [Gentlespace gen3 Large]	Optic material	Polycarbonate
Lighting Technology	LED	Optical cover/lens material	Glass
ENEC mark	ENEC mark	Fixation material	Steel
EU RoHS compliant	Yes	Housing Color	Silver RAL 9006
Value ladder	Specification	Optical cover/lens finish	Clear
		Overall length	600 mm
Application Conditions		Overall width	490 mm
Maximum dim level	10%	Overall height	110 mm
Performance ambient temperature Tq	45 °C	Dimensions (Height x Width x Depth)	110 x 490 x 600 mm
Suitable for random switching	No		
		Approval and Application	
Light Technical		Ingress protection code	IP65 [Dust penetration-protected, jet-
Luminous Flux	25,000 lumen		proof]
Correlated Color Temperature (Nom)	4000 K	Mech. impact protection code	IK07 [2 J reinforced]
Luminous Efficacy (rated) (Nom)	154 lm/W	Sustainability rating	Lighting for circularity
Color rendering index (CRI)	>80	Protection class IEC	Safety class I
Beam angle of light source	114 degree(s)	Photobiological risk	Photobiological risk group 1 @200mm to
Light source color	840 neutral white		EN62778
Optic type	Narrow beam adjustable		
Optical cover/lens type	Polymethyl methacrylate bowl/cover	Initial Performance (IEC Compliant)	
Luminaire light beam spread	25° x 30°	Initial chromaticity	(0.38, 0.38) SDCM <3
Unified glare rating CEN	Not applicable	Luminous flux tolerance	+/-10%
		Power consumption tolerance	+/-10%
Operating and Electrical			
Line Frequency	50 to 60 Hz	Over Time Performance (IEC Compliant	:)
Input Voltage	220-240 V	Control gear failure rate at median useful life	
Initial CLO power consumption	- W	50000 h	
Average CLO power consumption	- W	Control gear failure rate at median useful life	10 %
Inrush current	5.1 A	100000 h	
Inrush time	76 ms	Lumen maintenance at median useful life*	L90
Power Consumption	162 W	50000 h	
Power Factor (Fraction)	0.9	Lumen maintenance at median useful life*	L80
Connection	External connector	100000 h	
Cable	Cord with plug Wieland/Adels		
Cable	compatible 5-pole	Product Data	
Number of products on MCB of 16 A type B	12	Full product code	871869941465800
Number of products off MCB of To A type B	12	Order product name	BY481P LED250S/840 PSD NBA GC SI
Temperature		Order code	910500465803
<u>·</u>	30 to ±45 °C	Numerator - Quantity Per Pack	1
Ambient temperature range	-30 to +45 °C	Numerator - Packs per outer box	1
Controls and Dimmins		Material Nr. (12NC)	910500465803
Controls and Dimming	V	Full product name	BY481P LED250S/840 PSD NBA GC SI
Dimmable	Yes	EAN/UPC - Case	8718699414658
Driver/power unit/transformer	Power supply unit with DALI interface	LAN OFC - Case	0710033414030
Control interface	DALI		
Constant light output	No		

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Dimensional drawing







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