



GentleSpace Gen3

BY480P LED170S/840 PSD NB GC SI BR

Gentlespace gen3 Small, 840 neutral white, Power supply unit with DALI interface, Narrow 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		
Light source replaceable	Yes	
CE mark	Yes	
Number of gear units	1 unit	
Driver included	Yes	
Flammability mark	-	

Glow-wire test	Temperature 650 °C, duration 30 s	
Warranty period	5 years	
Service tag	Yes	
Product family code	BY480P [Gentlespace gen3 Small]	
Lighting Technology	LED	
ENEC mark	ENEC mark	

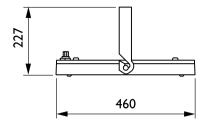
Datasheet, 2023, September 8 data subject to change

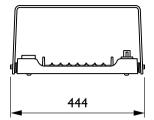
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EU RoHS compliant	Yes	Optical cover/lens material	Glass
Value ladder	Specification	Fixation material	Steel
		Housing Color	Silver RAL 9006
Application Conditions		Optical cover/lens finish	Clear
Maximum dim level	10%	Overall length	460 mm
Performance ambient temperature Tq	45 °C	Overall width	410 mm
Suitable for random switching	No	Overall height	104 mm
		Dimensions (Height x Width x Depth)	104 x 410 x 460 mm
Light Technical			
Luminous Flux	17,000 lumen	Approval and Application	
Correlated Color Temperature (Nom)	4000 K	Ingress protection code	IP65 [Dust penetration-protected, jet-
Luminous Efficacy (rated) (Nom)	141 lm/W		proof]
Color rendering index (CRI)	>80	Mech. impact protection code	IK07 [2 J reinforced]
Beam angle of light source	114 degree(s)	Sustainability rating	Lighting for circularity
Light source color	840 neutral white	Protection class IEC	Safety class I
Optic type	Narrow beam	Photobiological risk	Photobiological risk group 2 @200mm to
Luminaire light beam spread	25° x 30°		EN62778
Unified glare rating CEN	Not applicable	Photobiological risk specification	6 m
Operating and Electrical		Initial Performance (IEC Compliant)	
Line Frequency	50 to 60 Hz	Initial chromaticity	(0.38, 0.38) SDCM <3
Input Voltage	220-240 V	Luminous flux tolerance	+/-10%
Initial CLO power consumption	- W	Power consumption tolerance	+/-10%
Average CLO power consumption	- W		
Inrush current	5.1 A	Over Time Performance (IEC Compliant	t)
Inrush time	76 ms	Control gear failure rate at median useful life	5 %
Power Consumption	120 W	50000 h	
Power Factor (Fraction)	0.9	Control gear failure rate at median useful life	10 %
Connection	External connector	100000 h	
Cable	Cord with plug Wieland/Adels	Lumen maintenance at median useful life*	L90
	compatible 5-pole	50000 h	
Number of products on MCB of 16 A type B	12	Lumen maintenance at median useful life*	L80
		100000 h	
Temperature			
Ambient temperature range	-30 to +45 °C	Product Data	
		Full product code	871869940797100
Controls and Dimming		Order product name	BY480P LED170S/840 PSD NB GC SI BR
Dimmable	Yes	Order code	910500465604
Driver/power unit/transformer	Power supply unit with DALI interface	Numerator - Quantity Per Pack	1
Control interface	DALI	Numerator - Packs per outer box	1
Constant light output	No	Material Nr. (12NC)	910500465604
		Full product name	BY480P LED170S/840 PSD NB GC SI BR
Mechanical and Housing		EAN/UPC - Case	8718699407971
Housing Material	Aluminum		
Reflector material	-		
Optic material	Polycarbonate		

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Dimensional drawing







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