GentleSpace Gen3

BY480P LED170S/840 PSD NB GC WH

Gentlespace gen3 Small, 840 neutral white, Power supply unit with DALI interface, Narrow beam, White

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	BY480P [Gentlespace gen3 Small]
Driver included	Yes	Lighting Technology	LED
Flammability mark	–	ENEC mark	ENEC mark

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EU RoHS compliant	Yes		**Optical cover/lens material**	Glass
Value ladder	Specification		**Fixation material**	Steel
			Housing Color	White
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–proof]
Luminous Efficacy (rated) (Nom)	141 lm/W			
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 EN62778
Luminaire light beam spread	25° x 30°			
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)**	
Inrush time	76 ms		**Control gear failure rate at median useful life 50000 h**	5 %
Power Consumption	120 W			
Power Factor (Fraction)	0.9		**Control gear failure rate at median useful life 100000 h**	10 %
Connection	External connector			
Cable	Cord with plug Wieland/Adels compatible 5-pole		**Lumen maintenance at median useful life* 50000 h**	L90
Number of products on MCB of 16 A type B	12		**Lumen maintenance at median useful life* 100000 h**	L80
Temperature				
Ambient temperature range	–30 to +45 °C		**Product Data**	
			Full product code	871869940782700
Controls and Dimming			**Order product name**	BY480P LED170S/840 PSD NB GC WH
Dimmable	Yes		**Order code**	910500465588
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)**	910500465588
			Full product name	BY480P LED170S/840 PSD NB GC WH
Mechanical and Housing			**EAN/UPC – Case**	8718699407827
Housing Material	Aluminum			
Reflector material	–			
Optic material	Polycarbonate			

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Dimensional drawing

80

460

410