PHILIPS Lighting



GentleSpace Gen3

BY481P LED250S/840 PSD HRO GC SI BR

GentleSpace Gen3, 156 W, BR, 25000 lm, 4000 K, DALI, High-rack optic, IP65, IK07

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
Number of gear units	1 unit
Driver included	Yes
Service tag	Yes
Product family code	BY481P [Gentlespace gen3 Large]

Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark

GentleSpace Gen3

Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes
Mounting	Bracket

Light Technical	
Luminous Flux	25,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	160 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM) - Flickering value as	0.12
per EN 61000-3-3	
Stroboscopic effect visibility measure (SVM)	0.07
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

Optic type	High-rack optic	I
Luminaire light beam spread	16° x 47°	I
Unified glare rating CEN	Not applicable	I
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Operating and Electrical		
Input Voltage	220-240 V	(
Line Frequency	50 to 60 Hz	(
Average CLO power consumption	- W	!
Inrush current	5.1 A	
Inrush time	76 ms	
Power Consumption	156 W	I
Power Factor (Fraction)	0.9	5
Connection	External connector	
Cable	Cord with plug Wieland/Adels	
	compatible 5-pole	_

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-30 to +45 °C

Number	of products on MCB of 16 A t	vpe B
number	n products on MCD of 10 A t	ypen

Temperature

Ambient temperature range

Controls	and	Dimming
CONTROLS	anu	Dimining

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

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Glass
Fixation material	Steel
Housing Color	Silver
Optical cover 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)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3
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	

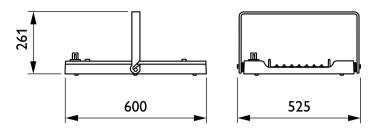
Application Conditions Performance ambient temperature Tq 45 °C Maximum dim level 10% Suitable for random switching No

Product Data

Order product name	BY481P LED250S/840 PSD HRO GC SI
	BR
Full product name	BY481P LED250S/840 PSD HRO GC SI
	BR
Full product code	871869940786500
Order code	40786500
Material Nr. (12NC)	910500465592
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699407865
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699407865

GentleSpace Gen3

Dimensional drawing





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