PHILIPS Lighting



GentleSpace Gen3

BY481P LED250S/840 PSD WB GC SI BR

GentleSpace Gen3, 156 W, BR, 25000 lm, 4000 K, DALI, Wide beam, 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 testTemperature 650 °C, duration 30 sEU RoHS compilantYesMountingBracketLight Technical25,000 lmCorrelated Color Temperature (Nom)4000 KLuminous Efficacy (rated) (Nom)160 lm//WColor rendering index (CRI)>80Flickering value (PstLM) - Flickering value as0.12per EN 61000-3-3Storboscopic effect visibility measure (SVM)0.07Beam angle of light source114 degree(s)Light source color840 neutral whiteOptic typeWide beamLuminaire light beam spread42° x 44°Unified glare rating CENNot applicableOperating and ElectricalInnush currentInput Voltage220-240 VLine Frequency50 to 60 H2Average CLO power consumption-WInrush time76 msPower Factor (Fraction)0.9ConnectionExternal connectorCableCord with plug Wieland/Adels compatible 5-poleNumber of products on MCB of 16 A type B12TemperaturePower supply unit with DALI interfaceDiriver/power unit/transformerPower supply unit with DALI interfaceDiriver/power unit/transformerPower supply unit with DALI interfaceControls and DimmingYesDiriwarialAluminumReflector material		
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Optical cover material Glass Fixation material Steel		Polycarbonate
Fixation material Steel		

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)

over time i enormance (ize compliane)	
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

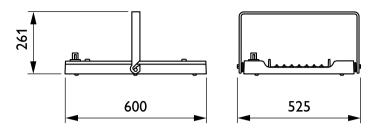
Performance ambient temperature Tq	45 ℃
Maximum dim level	10%
Suitable for random switching	No

Product Data

Order product name	BY481P LED250S/840 PSD WB GC SI BR
Full product name	BY481P LED250S/840 PSD WB GC SI BR
Full product code	871869940758200
Order code	910500465564
Material Nr. (12NC)	910500465564
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699407582
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699407582

GentleSpace Gen3

Dimensional drawing





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