



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

The GentleSpace gen3 provides a smart combination of versatility with high efficiency, connectivity options and reliability. It provides a wide variety of optics, beam angles (from very narrow to wide) and lumen packages, each delivering best-in-class quality of light for enhanced safety, productivity and comfort. With the 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 a pre-mounted IP65 connector enables quick-and-easy installation. You can choose various cover materials and special variants for extreme temperatures (XT), hazardous areas (ATEX 2/22) or sports applications. In addition, the GentleSpace gen3 also provides the option of advanced connectivity and is ready to be connected to an IoT-based system and software applications, such as Interact Industry. Created with circularity principles in mind, the GentleSpace is a serviceable luminaire with all the information available via the Signify ServiceTag app. Whether you are looking for a reliable 'fit & forget' solution or one that can be adapted and controlled after installation, the GentleSpace gen3 is the ideal solution for your application.

Product data

General Information		Value ladder	Specification
Light source replaceable	Yes	CE mark	Yes
Number of gear units	Unit	Warranty period	5 years
Driver included	Yes	Flammability mark	-
Product family code	BY481P [Gentlespace gen3 Large]	ENEC mark	ENEC mark
Lighting Technology	LED	Glow-wire test	Temperature 650 °C, duration 30 s

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EU RoHS compliant	Yes
Mounting	Bracket

Light Technical

Luminous Flux	25,000 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	160 lm/W
Colour rendering index (CRI)	>80
Flickering value (PstLM)	0.12
Stroboscopic effect	0.07
Beam angle of light source	114 degree(s)
Light source colour	840 neutral white
Optic type	High-rack optic
Luminaire light beam spread	16° x 47°
Unified Glare Rating (CEN)	Not applicable

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
Power Factor (Fraction)	0.9
Connection	External connector
Cable	Cord with plug Wieland/Adels compatible 5-pole
Number of products on MCB of 16 A type B	12

Temperature

Ambient temperature range	–30 to +45 °C
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Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

Mechanical and Housing

Housing material	Aluminium
Reflector material	–
Optic material	Polycarbonate
Optical cover/lens material	Glass
Fixation material	Steel
Housing Colour	Silver
Optical cover/lens 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 50,000 h	5 %
Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 50,000 h	L90
Lumen maintenance at median useful life* 100,000 h	L80

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 EOC	871869940786500
Order code	40786500
Material no. (12 NC)	910500465592
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718699407865
Numerator – packs per outer box	1
EAN/UPC – Case	8718699407865

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Dimensional drawing

