



# GentleSpace Gen3

## BY480P LED130S/840 PSD HRO GC SI BR

GentleSpace Gen3, 85 W, BR, 13000 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	BY480P [Gentlespace gen3 Small]	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	13,000 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	152 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	85 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	460 mm

Overall width	410 mm
Overall height	104 mm
Dimensions (height x width x depth)	104 x 410 x 460 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	BY480P LED130S/840 PSD HRO GC SI BR
Full product name	BY480P LED130S/840 PSD HRO GC SI BR
Full EOC	871869940784100
Order code	40784100
Material no. (12 NC)	910500465590
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718699407841
Numerator – packs per outer box	1
EAN/UPC – Case	8718699407841

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### Dimensional drawing

