



GentleSpace Gen3

BY481P LED350S/840 PSD WB GC SI ELD3

GentleSpace Gen3, 240 W, 35000 lm, 4000 K, DALI, Wide beam, IP65, IK07, ELD3h

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 850 °C, duration 30 s |

GentleSpace Gen3

| | |
|-------------------|-----|
| EU RoHS compliant | Yes |
|-------------------|-----|

Light Technical

| | |
|----------------------------------|-------------------|
| Luminous Flux | 35,000 lm |
| Correlated Colour Temperature | 4000 K |
| Luminous efficacy (rated) (nom.) | 145 lm/W |
| Colour rendering index (CRI) | >80 |
| Flickering value (PstLM) | 0.22 |
| Stroboscopic effect | 0.01 |
| Beam angle of light source | 114 degree(s) |
| Light source colour | 840 neutral white |
| Optic type | Wide beam |
| Luminaire light beam spread | 42° x 44° |
| 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 | 15.3 A |
| Inrush time | 6.1 ms |
| Power Consumption | 240 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 | 8 |

Temperature

| | |
|---------------------------|-------------|
| Ambient temperature range | 0 to +25 °C |
|---------------------------|-------------|

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* 75000 h | L80 |
| Lumen maintenance at median useful life* 100,000 h | L80 |

Application Conditions

| | |
|------------------------------------|-------|
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level | 10% |
| Suitable for random switching | No |

Product Data

| | |
|-----------------------------------|--------------------------------------|
| Order product name | BY481P LED350S/840 PSD WB GC SI ELD3 |
| Full product name | BY481P LED350S/840 PSD WB GC SI ELD3 |
| Full EOC | 871869940832900 |
| Order code | 40832900 |
| Material no. (12 NC) | 910500465617 |
| SAP numerator – quantity per pack | 1 |
| EAN/UPC – Product/Case | 8718699408329 |
| Numerator – packs per outer box | 1 |
| EAN/UPC – Case | 8718699408329 |

GentleSpace Gen3

Dimensional drawing

