



# 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      |                                 | Lighting Technology |               |
|--------------------------|---------------------------------|---------------------|---------------|
| Light source replaceable | Yes                             | Lighting Technology | LED           |
| Number of gear units     | 1 unit                          | Value ladder        | Specification |
| Driver included          | Yes                             | CE mark             | Yes           |
| Service tag              | Yes                             | Warranty period     | 5 years       |
| Product family code      | BY481P [Gentlespace gen3 Large] | Flammability mark   | -             |
|                          |                                 | ENEC mark           | ENEC mark     |

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|                   |                                   |
|-------------------|-----------------------------------|
| 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 per EN 61000-3-3 | 0.12              |
| Stroboscopic effect visibility measure (SVM)                    | 0.07              |
| Beam angle of light source                                      | 114 degree(s)     |
| Light source color  | 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                           | 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 |
|---------------------------|---------------|

## 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       | 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 50000 h  | 5 %  |
| Control gear failure rate at median useful life 100000 h | 10 % |
| Lumen maintenance at median useful life* 50000 h         | L90  |
| Lumen maintenance at median useful life* 100000 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 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                      |

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### Dimensional drawing

