



# CoreLine Highbay Gen5

## BY122P G5 LED300S/840 PSD WB

CoreLine Highbay Gen5, 205 W, 30000 lm, 4000 K, DALI, Wide beam, IP65, IK08

CoreLine Highbay Gen5 delivers on the CoreLine promise of innovative, easy-to-use and high-quality luminaires. A reliable, highly efficient luminaire with a very long-lifetime, it delivers great savings on energy and requires less maintenance. At the same time, CoreLine Highbay is very easy to handle. The luminaire can be installed on your existing grid and the electrical connection is a straightforward task, with no need to open the luminaire and an external IP65 connector. With a choice of two beam angles: narrow and wide beam, you can adjust your lighting plan to suit your exact needs. This range also includes Interact Ready luminaires with integrated wireless communications and integrated movement and daylight sensors. So CoreLine Highbay Gen5 is ready to be used with any Interact connected lighting system.

### Product data

| General Information      |                                             |
|--------------------------|---------------------------------------------|
| Light source replaceable | No                                          |
| Number of gear units     | 2 units                                     |
| Driver included          | Yes                                         |
| Lighting Technology      | LED                                         |
| CE mark                  | Yes                                         |
| Warranty period          | 5 years                                     |
| Flammability mark        | For mounting on normally flammable surfaces |
| ENEC mark                | ENEC mark                                   |

| Glow-wire test                   | Temperature 650 °C, duration 30 s |
|----------------------------------|-----------------------------------|
| EU RoHS compliant                | Yes                               |
| Light Technical                  |                                   |
| Luminous Flux                    | 30,000 lm                         |
| Saturated Red (R9)               | <50                               |
| Correlated Colour Temperature    | 4000 K                            |
| Luminous efficacy (rated) (nom.) | 146 lm/W                          |
| Colour rendering index (CRI)     | >80                               |
| Flickering value (PstLM)         | 0.5                               |

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|                             |                   |
|-----------------------------|-------------------|
| Stroboscopic effect         | 1                 |
| Light source colour         | 840 neutral white |
| Optic type                  | Wide beam         |
| Luminaire light beam spread | 85° x 85°         |
| Unified Glare Rating (CEN)  | 25                |

### Operating and Electrical

|                                          |                                   |
|------------------------------------------|-----------------------------------|
| Line Frequency                           | 50 or 60 Hz                       |
| Input Voltage                            | 220 to 240 V                      |
| Inrush current                           | 60 A                              |
| Inrush time                              | 600 ms                            |
| Power Consumption                        | 205 W                             |
| Power Factor (Fraction)                  | 0.95                              |
| Connection                               | Connection unit 3-pole            |
| Cable                                    | Cable 0.3 m with connector 3-pole |
| Number of products on MCB of 16 A type B | 6                                 |

### Temperature

|                           |               |
|---------------------------|---------------|
| Ambient temperature range | -30 to +50 °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 die-cast |
| Reflector material          | -                  |
| Optic material              | Polycarbonate      |
| Optical cover/lens material | Polycarbonate      |
| Fixation material           | -                  |
| Housing Colour              | Grey               |
| Optical cover/lens finish   | Clear              |
| Overall height              | 126 mm             |
| Overall diameter            | 393 mm             |

### Approval and Application

|                         |                                              |
|-------------------------|----------------------------------------------|
| Ingress protection code | IP65 [Dust penetration-protected, jet-proof] |
|-------------------------|----------------------------------------------|

|                                    |                                                |
|------------------------------------|------------------------------------------------|
| Mech. impact protection code       | IK08 [5 J vandal-protected]                    |
| Sustainability rating              | -                                              |
| Protection class IEC               | Safety class I                                 |
| Photobiological risk               | Photobiological risk group 1 @200mm to EN62778 |
| Photobiological risk specification | 18.2 m                                         |

### Initial Performance (IEC Compliant)

|                             |                       |
|-----------------------------|-----------------------|
| Initial chromaticity        | (0.385, 0.380) SDCM<5 |
| Luminous flux tolerance     | +/-10%                |
| 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         | L85  |
| Lumen maintenance at median useful life* 100,000 h        | L75  |

### Application Conditions

|                                    |       |
|------------------------------------|-------|
| Maximum dim level                  | 13%   |
| Performance ambient temperature Tq | 35 °C |
| Suitable for random switching      | Yes   |

### Product Data

|                                   |                              |
|-----------------------------------|------------------------------|
| Full EOC                          | 871951495603200              |
| Order product name                | BY122P G5 LED300S/840 PSD WB |
| EAN/UPC – product                 | 8719514956032                |
| Order code                        | 95603200                     |
| SAP numerator – quantity per pack | 1                            |
| Numerator – packs per outer box   | 1                            |
| Material no. (12 NC)              | 911401632908                 |
| Full product name                 | BY122P G5 LED300S/840 PSD WB |
| EAN/UPC – Case                    | 8719514956032                |
| EAN/UPC – Product/Case            | 8719514956032                |

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### Dimensional drawing

