



CoreLine Highbay Gen5

BY122P G5 LED250S/865 PSD WB

CoreLine Highbay Gen5, 168 W, 25000 lumen, 6500 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 energy savings 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 | | Application Conditions | |
|--------------------------|---|------------------------------------|--------------|
| Light source replaceable | No | ENEC mark | ENEC mark |
| CE mark | Yes | EU RoHS compliant | Yes |
| Number of gear units | 2 units | Maximum dim level | 20% |
| Driver included | Yes | Performance ambient temperature Tq | 35 °C |
| Flammability mark | For mounting on normally flammable surfaces | Suitable for random switching | Yes |
| Glow-wire test | Temperature 650 °C, duration 30 s | | |
| Warranty period | 5 years | | |
| Lighting Technology | LED | | |
| | | Light Technical | |
| | | Luminous Flux | 25,000 lumen |

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|------------------------------------|-------------------|
| Saturated Red (R9) | <50 |
| Correlated Color Temperature (Nom) | 6500 K |
| Luminous Efficacy (rated) (Nom) | 149 lm/W |
| Color rendering index (CRI) | >80 |
| Flickering value (PstLM) | 0.5 |
| Stroboscopic effect value (SVM) | 1 |
| Light source color | 865 cool daylight |
| Optic type | Wide beam |
| Luminaire light beam spread | 85° x 85° |
| Unified glare rating CEN | 25 |

Operating and Electrical

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|--|-----------------------------------|
| Line Frequency | 50 or 60 Hz |
| Input Voltage | 220 to 240 V |
| Inrush current | 60 A |
| Inrush time | 600 ms |
| Power Consumption | 168 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 | Aluminum die-cast |
| Reflector material | - |
| Optic material | Polycarbonate |
| Optical cover/lens material | Polycarbonate |
| Fixation material | - |
| Housing Color | Gray |
| Optical cover/lens finish | Clear |
| Overall length | 530 mm |
| Overall width | 393 mm |

| | |
|-------------------------------------|--------------------|
| Overall height | 126 mm |
| Overall diameter | 393 mm |
| Dimensions (Height x Width x Depth) | 126 x 393 x 530 mm |

Approval and Application

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|------------------------------------|--|
| 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)

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|-----------------------------|-----------------------|
| Initial chromaticity | (0.316, 0.332) SDCM<5 |
| Luminous flux tolerance | +/-10% |
| Power consumption tolerance | +/-10% |

Over Time Performance (IEC Compliant)

| | |
|---|------|
| Control gear failure rate at median useful life | 5 % |
| 50000 h | |
| Control gear failure rate at median useful life | 10 % |
| 100000 h | |
| Lumen maintenance at median useful life* | L85 |
| 50000 h | |
| Lumen maintenance at median useful life* | L75 |
| 100000 h | |

Product Data

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|---------------------------------|------------------------------|
| Full product code | 871951495589900 |
| Order product name | BY122P G5 LED250S/865 PSD WB |
| EAN/UPC - Product | 8719514955899 |
| Order code | 911401631508 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 1 |
| Material Nr. (12NC) | 911401631508 |
| Full product name | BY122P G5 LED250S/865 PSD WB |
| EAN/UPC - Case | 8719514955899 |

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Dimensional drawing

