



CoreLine Highbay Gen5

BY121P G5 LED200S/840 PSD WB

CoreLine Highbay Gen5, 134 W, 20000 lumen, 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 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 | |
|--------------------------|---|
| Light source replaceable | No |
| CE mark | Yes |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Flammability mark | For mounting on normally flammable surfaces |
| Glow-wire test | Temperature 650 °C, duration 30 s |
| Warranty period | 5 years |
| Lighting Technology | LED |

| ENEC mark | ENEC mark |
|------------------------------------|--------------|
| EU RoHS compliant | Yes |
| Application Conditions | |
| Maximum dim level | 10% |
| Performance ambient temperature Tq | 35 °C |
| Suitable for random switching | Yes |
| Light Technical | |
| Luminous Flux | 20,000 lumen |

CoreLine Highbay Gen5

| | |
|------------------------------------|-------------------|
| Saturated Red (R9) | <50 |
| Correlated Color Temperature (Nom) | 4000 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 | 840 neutral white |
| 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 | 53 A |
| Inrush time | 300 ms |
| Power Consumption | 134 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 | 8 |

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 | 330 mm |

| | |
|------------------|--------|
| Overall height | 99 mm |
| Overall diameter | 330 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)

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|-----------------------------|-----------------------|
| 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 | 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 | 871951495573800 |
| Order product name | BY121P G5 LED200S/840 PSD WB |
| EAN/UPC - Product | 8719514955738 |
| Order code | 911401629908 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 1 |
| Material Nr. (12NC) | 911401629908 |
| Full product name | BY121P G5 LED200S/840 PSD WB |
| EAN/UPC - Case | 8719514955738 |

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Dimensional drawing

