



CoreLine Highbay Gen5

BY121P G5 LED200S/840 PSU WB

- Power supply unit (ON/OFF) - Beam angle 84° - 85° x 85°

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 color | 840 neutral white | Protection class IEC | Safety class I |
| Light source replaceable | No | Glow-wire test | Temperature 650 °C, duration 30 s |
| Number of gear units | 1 unit | Flammability mark | For mounting on normally flammable surfaces |
| Driver/power unit/transformer | Power supply unit (ON/OFF) | CE mark | Yes |
| Driver included | Yes | ENEC mark | ENEC mark |
| Optic type | Beam angle 84° | Warranty period | 5 years |
| Luminaire light beam spread | 85° x 85° | Constant light output | No |
| Control interface | - | Number of products on MCB of 16 A type B | 6 |
| Connection | Connection unit 3-pole | Photobiological risk | Photobiological risk group 1 @200mm to EN62778 |
| Cable | Cable 0.3 m with connector 3-pole | | |

CoreLine Highbay Gen5

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|------------------------------------|---------|
| Photobiological risk specification | 18.2 m |
| EU RoHS compliant | Yes |
| Unified glare rating CEN | 25 |
| Lighting Technology | LED |
| Brand | Philips |

Light Technical

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|---------------------------------|--------------|
| Luminous Flux | 20,000 lumen |
| Saturated Red (R9) | <50 |
| Luminous Efficacy (rated) (Nom) | 159 lm/W |
| Color rendering index (CRI) | >80 |
| Flickering value (PstLM) | 0.5 |
| Stroboscopic effect value (SVM) | 1 |

Operating and Electrical

| | |
|-------------------------|--------------|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 or 60 Hz |
| Input Frequency | 50 or 60 Hz |
| Power Consumption | 126 W |
| Inrush current | 40 A |
| Inrush time | 600 ms |
| Power Factor (Fraction) | 0.95 |

Temperature

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|---------------------------|---------------|
| Ambient temperature range | -30 to +50 °C |
|---------------------------|---------------|

Controls and Dimming

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|----------|----|
| Dimmable | No |
|----------|----|

Mechanical and Housing

| | |
|-----------------------------|-------------------|
| Housing Material | Aluminum die-cast |
| Reflector material | - |
| Optic material | Polycarbonate |
| Optical cover/lens material | Polycarbonate |
| Fixation material | - |
| Housing Color | Dark gray |
| Optical cover/lens finish | Clear |
| Overall height | 99 mm |
| Overall diameter | 330 mm |

Approval and Application

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

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|------------------------------|-----------------------------|
| Mech. impact protection code | IK08 [5 J vandal-protected] |
| Sustainability rating | - |

Initial Performance (IEC Compliant)

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|-------------------------------|-----------------------|
| Luminous flux tolerance | +/-10% |
| Init. Corr. Color Temperature | 4000 K |
| Initial chromaticity | (0.385, 0.380) SDCM<5 |
| Power consumption tolerance | +/-10% |

Over Time Performance (IEC Compliant)

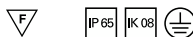
| | |
|--|------|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Control gear failure rate at median useful life 100000 h | 10 % |
| Lumen maintenance at median useful life* 50000 h | L85 |
| Lumen maintenance at median useful life* 100000 h | L65 |

Application Conditions

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|------------------------------------|----------------|
| Performance ambient temperature Tq | 35 °C |
| Maximum dim level | Not applicable |
| Suitable for random switching | Yes |

Product Data

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|---------------------------------|------------------------------|
| Full product code | 871951495569100 |
| Order product name | BY121P G5 LED200S/840 PSU WB |
| EAN/UPC - Product | 8719514955691 |
| Order code | 911401629508 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 1 |
| Material number (12NC) | 911401629508 |
| Net weight | 2.690 kg |
| Full product name | BY121P G5 LED200S/840 PSU WB |
| EAN/UPC - Case | 8719514955691 |



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Dimensional drawing

