



# Coreline Highbay Gen4

## BY122P G4 LED250S/840 PSU WB

840 neutral white - Power supply unit - Wide beam - Grey

Following the success of the previous-generation CoreLine High-bay, the upgrade to a new generation further improves performance with new innovation design and provides higher efficiency, longer lifetime (to further improve the total cost of ownership) and optional DALI dimming for even further savings. Designed as a replacement for HPI 250/400 W luminaires, CoreLine High-bay G4 offers customers all the benefits of LED lighting – fresh light quality, longer service lifetime, reduced energy consumption and less maintenance – from a trusted manufacturer. At the same time, it delivers clear benefits for the installer too. The luminaire can be installed on the existing grid; electrical connection is straightforward – there is no need to open the luminaire for installation or servicing; and being smaller and lighter than conventional luminaires, it is very easy to handle

### Product data

| General Information           |                                |                           |  |
|-------------------------------|--------------------------------|---------------------------|--|
| Beam angle of light source    | 90 x 90 °                      | Connection                | Connection unit 3-pole                           |
| Light source colour           | 840 neutral white              | Cable                     | Cable 0.3 m with connector 3-pole                |
| Light source replaceable      | No                             | Protection class IEC      | Safety class I                                   |
| Number of gear units          | 1 unit                         | Glow-wire test            | Temperature 650 °C, duration 30 s                |
| Driver/power unit/transformer | PSU [ Power supply unit]       | Flammability mark         | F [ For mounting on normally flammable surfaces] |
| Driver included               | Yes                            | CE mark                   | CE mark  |
| Optic type                    | WB [ Wide beam]                | ENEC mark                 | -  |
| Optical cover/lens type       | PC [ Polycarbonate bowl/cover] | Warranty period           | 5 years  |
| Luminaire light beam spread   | 90° x 90°                      | Constant light output     | No   |
| Control interface             | -                              | Number of products on MCB | 8  |

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|                          |           |
|--------------------------|-----------|
| RoHS mark                | RoHS mark |
| LED engine type          | LED       |
| Unified glare rating CEN | 26        |

## Operating and Electrical

|                               |              |
|-------------------------------|--------------|
| Input voltage                 | 220 to 240 V |
| Input frequency               | 50 to 60 Hz  |
| Initial CLO power consumption | - W          |
| Average CLO power consumption | - W          |
| Inrush current                | 64 A         |
| Inrush time                   | 0.75 ms      |
| Power factor (min.)           | 0.95         |

## Controls and Dimming

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

## Mechanical and Housing

|                             |               |
|-----------------------------|---------------|
| Housing material            | Aluminium     |
| Reflector material          | -             |
| Optic material              | Polycarbonate |
| Optical cover/lens material | Polycarbonate |
| Fixation material           | -             |
| Optical cover/lens finish   | Clear         |
| Overall height              | 90 mm         |
| Overall diameter            | 510 mm        |
| Colour                      | Grey          |

## Approval and Application

|                              |   |
|------------------------------|---|
| Ingress protection code      | IP65 [ Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK07 [ 2 J reinforced]                        |

## Initial Performance (IEC Compliant)

|                       |          |
|-----------------------|----------|
| Initial luminous flux | 25000 lm |
|-----------------------|----------|

|                                |                       |
|--------------------------------|-----------------------|
| Luminous flux tolerance        | +/-10%                |
| Initial LED luminaire efficacy | 145 lm/W              |
| Init. Corr. colour temperature | 4000 K                |
| Init. colour rendering index   | >80                   |
| Initial chromaticity           | (0.307, 0.323 SDCM <5 |
| Initial input power            | 172 W                 |
| Power consumption tolerance    | +/-10%                |

## Over Time Performance (IEC Compliant)

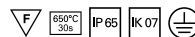
|   |         |
|---|---------|
| Control gear failure rate at median useful life 50000 h | 5 %     |
| Median useful life L70B50                               | 70000 h |
| Lumen maintenance at median useful life* 50000 h        | L80     |

## Application Conditions

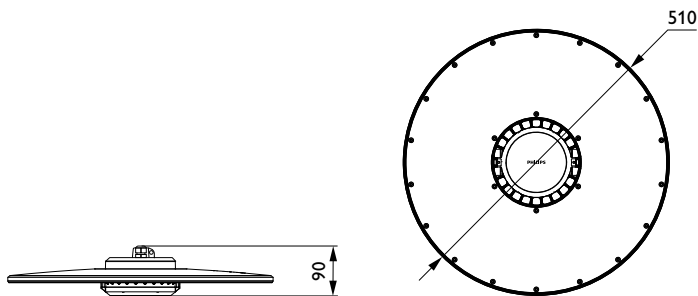
|                                    |                |
|------------------------------------|----------------|
| Ambient temperature range          | -30 to +45 °C  |
| Performance ambient temperature Tq | 25 °C          |
| Maximum dimming level              | Not applicable |
| Suitable for random switching      | Yes            |

## Product Data

|                                 |                              |
|---------------------------------|------------------------------|
| Full product code               | 871016333665700              |
| Order product name              | BY122P G4 LED250S/840 PSU WB |
| EAN/UPC – product               | 8710163336657                |
| Order code                      | 33665700                     |
| Numerator – quantity per pack   | 1                            |
| Numerator – packs per outer box | 1                            |
| Material no. (12NC)             | 911401578451                 |
| Net weight (piece)              | 5.800 kg                     |



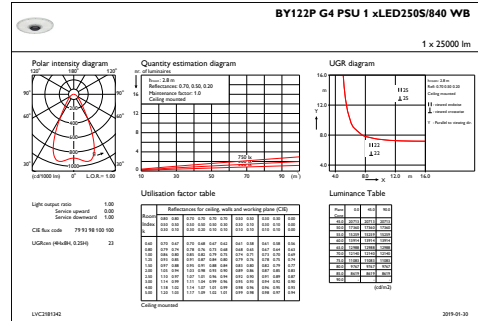
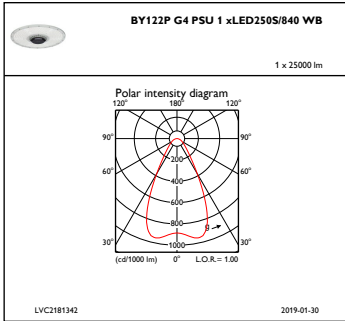
## Dimensional drawing



CoreLine High-bay BY120P/BY121P

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## Photometric data



IFPC1\_

IFGU1\_

