# A versatile highbay LED luminaire with high efficiency and future-proof connectivity

## GreenPerform Highbay Elite

GreenPerform Highbay Elite is the latest innovation in a successful range of highbay luminaires for high ceiling and industrial applications. The unique finless design has received the iF Design Award 2019 and Reddot Design Award 2019 for its aesthetic appeal. But this versatile luminaire offers a wealth of practical features too, including great light quality, high energy savings, a long lifetime at an affordable price and a wide variety of optics and lumen packages. The Green Perform Highbay Elite luminaire provides options for advanced connectivity with IoT based systems and software applications including the Interact Pro system. If you're looking for a "fit and forget" robust and reliable solution with connectivity advantages, Green Perform Highbay Elite is the smart choice.

**Benefits**
- Unique aesthetics with superior light quality.
- Robust and reliable with a highly-efficient, long service life and an attractive Total Cost of Ownership, saving up to 60% as a point-to-point replacement for HPI 250W, HPL 400W and HPI 400W.
- Connected ready for cloud-based IoT software applications.

# GreenPerform Highbay Elite

## Features
- High efficiency up to 145 lm/w
- Long service life of 75,000 hours (L70B50 at a temperature of 35ºC)
- Complete range of lumen packages from 10,000 to 30,000 lm
- Color Rendering Index of above 80
- Wide variety of optics for a range of applications, and suitable for hook, pipe and bracket mounting

## Application
- General manufacturing
- Warehouses and logistical centers
- Hallways

## Specifications

| | | | |
|---|---|---|---|
| Mounting type | Suspended | Luminous flux | 10klm-36klm |
| | Pipe | Power consumption | 68W – 257W |
| | Surface | Luminaire efficacy | Up to 160lm/W |
| Operating Temperature range | -30 to +50 ºC (45 ºC) | Correlated color | 4000K |
| | | temperature – CCT | 6500K |
| Light Source | LED | Color Rendering index – CRI | 80 |
| Mains Voltage | 220-240V / 50-60Hz | | |
| Mains connection | Flying cable | Beam angle | WB: 90° ± 5° |
| Mechanical Accessories | Mounting bracket | | NB: 55° ± 5° |
| Dimming | PSU: non-dimmable | Optical cover/lens material | PC |
| | PSD: Dimmable via Dali-broadcasting | | |
| | Connected: Wireless control, compatible with SNHR210 sensor | Optical cover/lens finish | Clear |
| Control system input | DALI / Wireless | | |
| Integrated sensors | SNHR210 | Protection Class IEC61140 | Class I |
| Material | Housing: die-cast aluminum | | |
| Main color of the luminaire | RAL7012 | Mechanical impact protection | IK08 |
| Flicker / Pst / SVM | PSU: <15% | Ingress protection | IP65 |
| | PSD: <4% | Driver replaceable | Yes |
| | Connected: <4% | | |

## Versions



**PHILIPS 0390**



**LED150**

# GreenPerform Highbay Elite

**Dimensional drawing**

# GreenPerform Highbay Elite
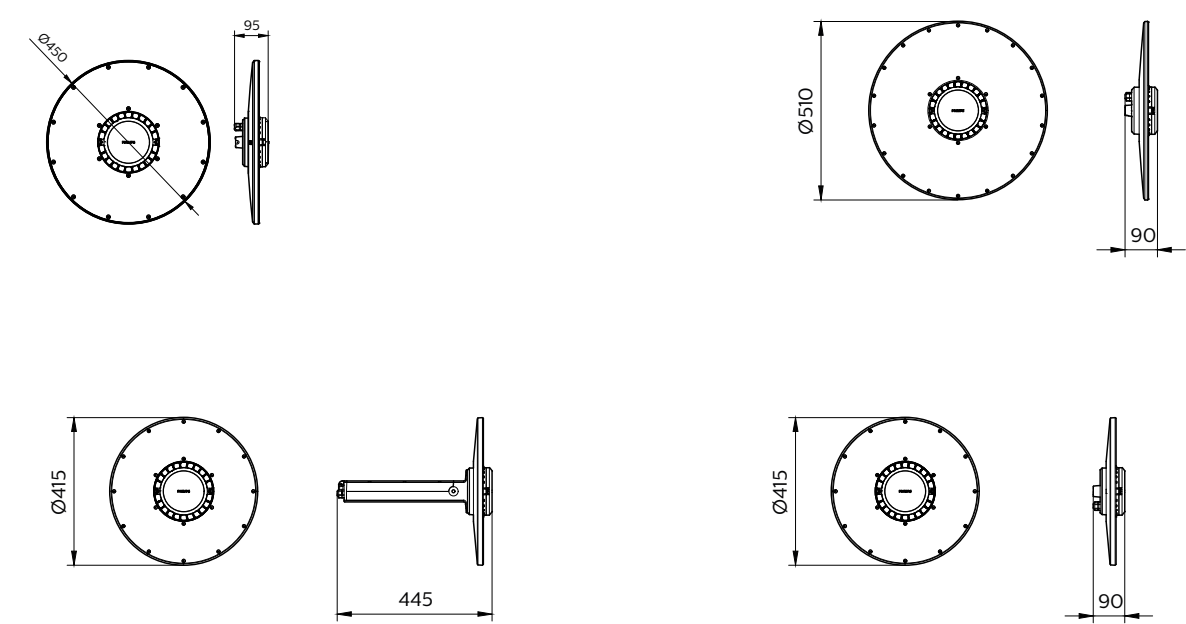
## General Information

| | |
|---|---|
| CE mark | CE mark |
| Driver included | Yes |
| ENEC mark | – |
| Flammability mark | For mounting on normally flammable surfaces |
| Glow-wire test | Temperature 650 °C, duration 30 s |
| Light source replaceable | No |
| Number of gear units | 1 unit |

## Light Technical

| | |
|---|---|
| Color rendering index (CRI) | >80 |
| Optic type | Symmetrical |

## Operating and Electrical

| | |
|---|---|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 or 60 Hz |

## Temperature

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

## Approval and Application

| | |
|---|---|
| Protection class IEC | Safety class I |
| Mech. impact protection code | IK08 |
| Ingress protection code | IP65 |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| Luminous flux tolerance | +/-10% |

## Application Conditions

| | |
|---|---|
| Suitable for random switching | No |

## General Information

| Order Code | Full Product Name | Service tag |
|---|---|---|
| 911401569351 | BY718P LED200/CW PSU WB | – |
| 911401569451 | BY718P LED200/NW PSU NB | – |
| 911401576551 | BY718P LED150/CW PSU WB | – |
| 911401576951 | BY718P LED250/CW PSU WB | – |
| 911401577351 | BY718P LED300/CW PSU WB | – |
| 911401577551 | BY718P LED300/NW PSU WB | – |
| 911401580851 | BY718P LED150/NW PSD WB | Yes |

## Light Technical

| Order Code | Full Product Name | Correlated Color Temperature (Nom) | Optical cover type | Luminous Efficacy (rated) (Nom) | Luminous Flux |
|---|---|---|---|---|---|
| 911401569351 | BY718P LED200/CW PSU WB | 6500 K | Lens | 159 lm/W | 21,500 lm |
| 911401569451 | BY718P LED200/NW PSU NB | 4000 K | Lens | 159 lm/W | 21,500 lm |
| 911401576551 | BY718P LED150/CW PSU WB | 6500 K | Lens | 160 lm/W | 16,300 lm |
| 911401576951 | BY718P LED250/CW PSU WB | 6500 K | Lens | 160 lm/W | 27,000 lm |

| Order Code | Full Product Name | Correlated Color Temperature (Nom) | Optical cover type | Luminous Efficacy (rated) (Nom) | Luminous Flux |
|---|---|---|---|---|---|
| 911401577351 | BY718P LED300/CW PSU WB | 6500 K | Lens | 160 lm/W | 32,500 lm |
| 911401577551 | BY718P LED300/NW PSU WB | 4000 K | Lens | 160 lm/W | 32,500 lm |
| 911401580851 | BY718P LED150/NW PSD WB | 4000 K | Polycarbonate bowl/cover | 137 lm/W | 15,000 lm |

# GreenPerform Highbay Elite

## Operating and Electrical

| Order Code | Full Product Name | Power Consumption |
|---|---|---|
| 911401569351 | BY718P LED200/CW PSU WB | 135 W |
| 911401569451 | BY718P LED200/NW PSU NB | 135 W |
| 911401576551 | BY718P LED150/CW PSU WB | 102 W |
| 911401576951 | BY718P LED250/CW PSU WB | 169 W |

| Order Code | Full Product Name | Power Consumption |
|---|---|---|
| 911401577351 | BY718P LED300/CW PSU WB | 203 W |
| 911401577551 | BY718P LED300/NW PSU WB | 203 W |
| 911401580851 | BY718P LED150/NW PSD WB | 109 W |

## Controls and Dimming

| Order Code | Full Product Name | Dimmable |
|---|---|---|
| 911401569351 | BY718P LED200/CW PSU WB | No |
| 911401569451 | BY718P LED200/NW PSU NB | No |
| 911401576551 | BY718P LED150/CW PSU WB | No |
| 911401576951 | BY718P LED250/CW PSU WB | No |

| Order Code | Full Product Name | Dimmable |
|---|---|---|
| 911401577351 | BY718P LED300/CW PSU WB | No |
| 911401577551 | BY718P LED300/NW PSU WB | No |
| 911401580851 | BY718P LED150/NW PSD WB | Yes |

## Mechanical and Housing

| Order Code | Full Product Name | Housing Color |
|---|---|---|
| 911401569351 | BY718P LED200/CW PSU WB | Gray |
| 911401569451 | BY718P LED200/NW PSU NB | Gray |
| 911401576551 | BY718P LED150/CW PSU WB | Gray |
| 911401576951 | BY718P LED250/CW PSU WB | Gray |

| Order Code | Full Product Name | Housing Color |
|---|---|---|
| 911401577351 | BY718P LED300/CW PSU WB | Gray |
| 911401577551 | BY718P LED300/NW PSU WB | Gray |
| 911401580851 | BY718P LED150/NW PSD WB | Black and gray |

## Over Time Performance (IEC Compliant)

| Order Code | Full Product Name | Driver failure rate at 5000 h |
|---|---|---|
| 911401569351 | BY718P LED200/CW PSU WB | – |
| 911401569451 | BY718P LED200/NW PSU NB | – |
| 911401576551 | BY718P LED150/CW PSU WB | – |
| 911401576951 | BY718P LED250/CW PSU WB | – |

| Order Code | Full Product Name | Driver failure rate at 5000 h |
|---|---|---|
| 911401577351 | BY718P LED300/CW PSU WB | – |
| 911401577551 | BY718P LED300/NW PSU WB | – |
| 911401580851 | BY718P LED150/NW PSD WB | 0.0021 % |

## Application Conditions

| Order Code | Full Product Name | Maximum dim level |
|---|---|---|
| 911401569351 | BY718P LED200/CW PSU WB | Not applicable |
| 911401569451 | BY718P LED200/NW PSU NB | Not applicable |
| 911401576551 | BY718P LED150/CW PSU WB | Not applicable |
| 911401576951 | BY718P LED250/CW PSU WB | Not applicable |

| Order Code | Full Product Name | Maximum dim level |
|---|---|---|
| 911401577351 | BY718P LED300/CW PSU WB | Not applicable |
| 911401577551 | BY718P LED300/NW PSU WB | Not applicable |
| 911401580851 | BY718P LED150/NW PSD WB | 1% |