



# Elegant industrial design with fantastic light quality, superior efficacy and long-term reliability.

## GreenPerform Highbay Elite

Following the success of GreenPerform Highbay families, GreenPerform Highbay Elite is a welcome addition to industry solutions, with big innovative insights embedded. Elite comes with a completely new finless aesthetics design which received the iF Design Award 2019 and Reddot Design Award 2019. Next to a unique look and feel, it also offers higher system efficiency, better light quality, longer lifetime and system-interaction offering with affordable price.

### Benefits

- Elegant industrial design
- Strong energy-saving story
- Superior light quality
- Robust and reliable with a long service lifetime
- Various application requirements satisfied with the complete product family

### Features

- System efficacy 145 lm/W  $\pm$ 10%
- Long service lifetime 75,000 hrs L70B50 @Ta 35 °C
- Complete lumen package offering, 10,000 lm/15,000 lm/20,000 lm/25,000 lm/30,000 lm available
- Multiple optics available: WB & NB
- Suitable for hook, pipe and bracket mounting

# GreenPerform Highbay Elite

## Application

- General manufacturing
- Warehouses and logistical centres
- Exhibition halls and high ceiling lounges
- Indoor sport

## Specifications

|                                    |   |
|------------------------------------|---|
| <b>Mounting type</b>               | Suspended   |
|                                    | Pipe  |
|                                    | Surface   |
| <b>Operating Temperature range</b> | -30 to +50 °C (45 °C)                                       |
| <b>Light Source</b>                | LED   |
| <b>Mains Voltage</b>               | 220-240V / 50-60Hz  |
| <b>Mains connection</b>            | Flying cable  |
| <b>Mechanical Accessories</b>      | Mounting bracket  |
| <b>Dimming</b>                     | PSU: non-dimmable   |
|                                    | PSD: Dimmable via Dali-broadcasting                         |
|                                    | Connected: Wireless control, compatible with SNHR210 sensor |
| <b>Control system input</b>        | DALI / Wireless   |
| <b>Integrated sensors</b>          | SNHR210   |
| <b>Material</b>                    | Housing: die-cast aluminum                                  |
| <b>Main color of the luminaire</b> | RAL7012   |
| <b>Flicker / Pst / SVM</b>         | PSU: <15%   |
|                                    | PSD: <4%  |
|                                    | Connected: <4%  |

|   |                |
|---|----------------|
| <b>Luminous flux</b>                      | 10klm-36klm    |
| <b>Power consumption</b>                  | 68W - 257W     |
| <b>Luminaire efficacy</b>                 | Up to 160lm/W  |
| <b>Correlated color temperature - CCT</b> | 4000K<br>6500K |
| <b>Color Rendering index - CRI</b>        | 80             |
| <b>Beam angle</b>                         | WB: 90° ± 5°   |
|   | NB: 55° ± 5°   |
| <b>Optical cover/lens material</b>        | PC             |
| <b>Optical cover/lens finish</b>          | Clear          |
| <b>Protection Class</b>                   | Class I        |
| <b>IEC61140</b>                           |                |
| <b>Mechanical impact protection</b>       | IK08           |
| <b>Ingress protection</b>                 | IP65           |
| <b>Driver replaceable</b>                 | Yes            |

## Versions



PHILIPS 0407



LED100



GreenPerform Highbay Elite



PHILIPS 0390

# GreenPerform Highbay Elite

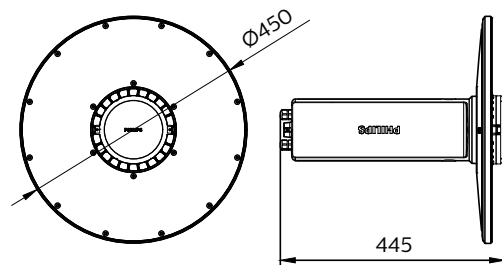
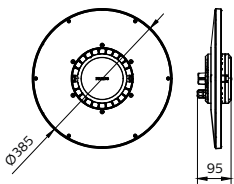
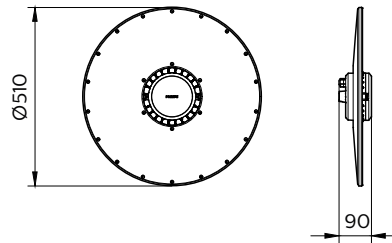
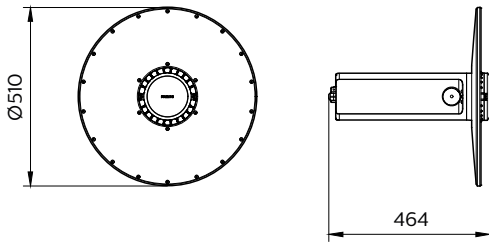
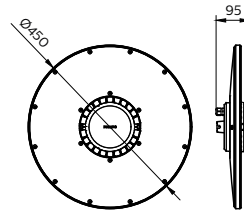
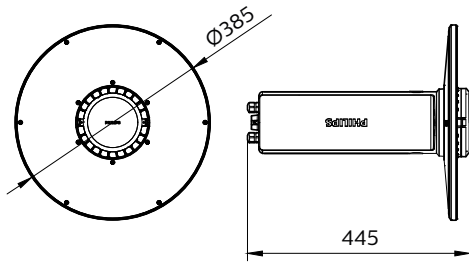
## Versions



PHILIPS 0422

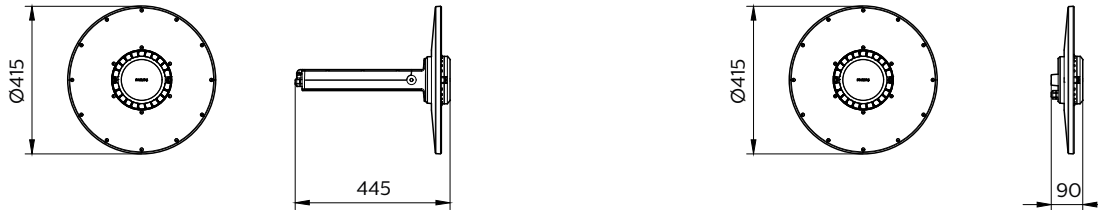
LED150

## Dimensional drawing



# GreenPerform Highbay Elite

## Dimensional drawing



### 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  |

### Light Technical

|                                    |             |
|------------------------------------|-------------|
| Correlated Color Temperature (Nom) | 4000 K      |
| 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           | Number of gear units | Service tag |
|--------------|-----------------------------|----------------------|-------------|
| 911401569451 | BY718P LED200/NW PSU NB     | 1 unit               | -           |
| 911401569751 | BY718P LED200/NW PSU WB CAU | 1 unit               | -           |
| 911401576651 | BY718P LED150/NW PSU NB     | 1 unit               | -           |
| 911401578051 | BY718P LED150/NW PSU WB CAU | 1 unit               | -           |
| 911401581851 | BY718P LED250/NW PSD WB CAU | 2 units              | Yes         |
| 911401581951 | BY718P LED300/NW PSD WB CAU | 2 units              | Yes         |
| 911401573851 | BY718P LED100/NW PSD WB CAU | 1 unit               | Yes         |
| 911401573951 | BY718P LED200/NW PSD WB CAU | 1 unit               | Yes         |
| 911401577051 | BY718P LED250/NW PSU NB     | 1 unit               | -           |
| 911401577451 | BY718P LED300/NW PSU NB     | 1 unit               | -           |
| 911401578151 | BY718P LED250/NW PSU WB CAU | 1 unit               | -           |
| 911401578251 | BY718P LED300/NW PSU WB CAU | 1 unit               | -           |
| 911401569051 | BY718P LED100/NW PSU NB     | 1 unit               | -           |
| 911401569651 | BY718P LED100/NW PSU WB CAU | 1 unit               | -           |
| 911401581751 | BY718P LED150/NW PSD WB CAU | 1 unit               | Yes         |

## Light Technical

## GreenPerform Highbay Elite

| Order Code   | Full Product Name           | Optical cover type       | Luminous Efficacy (rated) (Nom) | Luminous Flux |
|--------------|-----------------------------|--------------------------|---------------------------------|---------------|
| 911401569451 | BY718P LED200/NW PSU NB     | Lens                     | 159 lm/W                        | 21,500 lm     |
| 911401569751 | BY718P LED200/NW PSU WB CAU | Lens                     | 159 lm/W                        | 21,500 lm     |
| 911401576651 | BY718P LED150/NW PSU NB     | Lens                     | 160 lm/W                        | 16,300 lm     |
| 911401578051 | BY718P LED150/NW PSU WB CAU | Lens                     | 160 lm/W                        | 16,300 lm     |
| 911401581851 | BY718P LED250/NW PSD WB CAU | Polycarbonate bowl/cover | 148 lm/W                        | 27,000 lm     |
| 911401581951 | BY718P LED300/NW PSD WB CAU | Polycarbonate bowl/cover | 150 lm/W                        | 32,500 lm     |
| 911401573851 | BY718P LED100/NW PSD WB CAU | Polycarbonate bowl/cover | 148 lm/W                        | 10,800 lm     |
| 911401573951 | BY718P LED200/NW PSD WB CAU | Polycarbonate bowl/cover | 148 lm/W                        | 21,500 lm     |

| Order Code   | Full Product Name           | Optical cover type       | Luminous Efficacy (rated) (Nom) | Luminous Flux |
|--------------|-----------------------------|--------------------------|---------------------------------|---------------|
| 911401577051 | BY718P LED250/NW PSU NB     | Lens                     | 160 lm/W                        | 27,000 lm     |
| 911401577451 | BY718P LED300/NW PSU NB     | Lens                     | 160 lm/W                        | 32,500 lm     |
| 911401578151 | BY718P LED250/NW PSU WB CAU | Lens                     | 160 lm/W                        | 27,000 lm     |
| 911401578251 | BY718P LED300/NW PSU WB CAU | Lens                     | 160 lm/W                        | 32,500 lm     |
| 911401569051 | BY718P LED100/NW PSU NB     | Lens                     | 159 lm/W                        | 10,800 lm     |
| 911401569651 | BY718P LED100/NW PSU WB CAU | Lens                     | 159 lm/W                        | 10,800 lm     |
| 911401581751 | BY718P LED150/NW PSD WB CAU | Polycarbonate bowl/cover | 150 lm/W                        | 16,300 lm     |

### Operating and Electrical

| Order Code   | Full Product Name           | Power Consumption |
|--------------|-----------------------------|-------------------|
| 911401569451 | BY718P LED200/NW PSU NB     | 135 W             |
| 911401569751 | BY718P LED200/NW PSU WB CAU | 135 W             |
| 911401576651 | BY718P LED150/NW PSU NB     | 102 W             |
| 911401578051 | BY718P LED150/NW PSU WB CAU | 102 W             |
| 911401581851 | BY718P LED250/NW PSD WB CAU | 183 W             |
| 911401581951 | BY718P LED300/NW PSD WB CAU | 217 W             |
| 911401573851 | BY718P LED100/NW PSD WB CAU | 73 W              |
| 911401573951 | BY718P LED200/NW PSD WB CAU | 145 W             |

| Order Code   | Full Product Name           | Power Consumption |
|--------------|-----------------------------|-------------------|
| 911401577051 | BY718P LED250/NW PSU NB     | 169 W             |
| 911401577451 | BY718P LED300/NW PSU NB     | 203 W             |
| 911401578151 | BY718P LED250/NW PSU WB CAU | 169 W             |
| 911401578251 | BY718P LED300/NW PSU WB CAU | 203 W             |
| 911401569051 | BY718P LED100/NW PSU NB     | 68 W              |
| 911401569651 | BY718P LED100/NW PSU WB CAU | 68 W              |
| 911401581751 | BY718P LED150/NW PSD WB CAU | 109 W             |

### Controls and Dimming

| Order Code   | Full Product Name           | Dimmable |
|--------------|-----------------------------|----------|
| 911401569451 | BY718P LED200/NW PSU NB     | No       |
| 911401569751 | BY718P LED200/NW PSU WB CAU | No       |
| 911401576651 | BY718P LED150/NW PSU NB     | No       |
| 911401578051 | BY718P LED150/NW PSU WB CAU | No       |
| 911401581851 | BY718P LED250/NW PSD WB CAU | Yes      |
| 911401581951 | BY718P LED300/NW PSD WB CAU | Yes      |
| 911401573851 | BY718P LED100/NW PSD WB CAU | Yes      |
| 911401573951 | BY718P LED200/NW PSD WB CAU | Yes      |

| Order Code   | Full Product Name           | Dimmable |
|--------------|-----------------------------|----------|
| 911401577051 | BY718P LED250/NW PSU NB     | No       |
| 911401577451 | BY718P LED300/NW PSU NB     | No       |
| 911401578151 | BY718P LED250/NW PSU WB CAU | No       |
| 911401578251 | BY718P LED300/NW PSU WB CAU | No       |
| 911401569051 | BY718P LED100/NW PSU NB     | No       |
| 911401569651 | BY718P LED100/NW PSU WB CAU | No       |
| 911401581751 | BY718P LED150/NW PSD WB CAU | Yes      |

### Mechanical and Housing

| Order Code   | Full Product Name       | Housing Color |
|--------------|-------------------------|---------------|
| 911401569451 | BY718P LED200/NW PSU NB | Gray          |

| Order Code   | Full Product Name           | Housing Color |
|--------------|-----------------------------|---------------|
| 911401569751 | BY718P LED200/NW PSU WB CAU | Gray          |

## GreenPerform Highbay Elite

| Order Code   | Full Product Name           | Housing Color  |
|--------------|-----------------------------|----------------|
| 911401576651 | BY718P LED150/NW PSU NB     | Gray           |
| 911401578051 | BY718P LED150/NW PSU WB CAU | Gray           |
| 911401581851 | BY718P LED250/NW PSD WB CAU | Black and gray |
| 911401581951 | BY718P LED300/NW PSD WB CAU | Black and gray |
| 911401573851 | BY718P LED100/NW PSD WB CAU | Black and gray |
| 911401573951 | BY718P LED200/NW PSD WB CAU | Black and gray |
| 911401577051 | BY718P LED250/NW PSU NB     | Gray           |

| Order Code   | Full Product Name           | Housing Color  |
|--------------|-----------------------------|----------------|
| 911401577451 | BY718P LED300/NW PSU NB     | Gray           |
| 911401578151 | BY718P LED250/NW PSU WB CAU | Gray           |
| 911401578251 | BY718P LED300/NW PSU WB CAU | Gray           |
| 911401569051 | BY718P LED100/NW PSU NB     | Gray           |
| 911401569651 | BY718P LED100/NW PSU WB CAU | Gray           |
| 911401581751 | BY718P LED150/NW PSD WB CAU | Black and gray |

### Over Time Performance (IEC Compliant)

| Order Code   | Full Product Name           | Driver failure rate at 5000 h |
|--------------|-----------------------------|-------------------------------|
| 911401569451 | BY718P LED200/NW PSU NB     | -                             |
| 911401569751 | BY718P LED200/NW PSU WB CAU | -                             |
| 911401576651 | BY718P LED150/NW PSU NB     | -                             |
| 911401578051 | BY718P LED150/NW PSU WB CAU | -                             |
| 911401581851 | BY718P LED250/NW PSD WB CAU | 0.0042 %                      |
| 911401581951 | BY718P LED300/NW PSD WB CAU | 0.0042 %                      |
| 911401573851 | BY718P LED100/NW PSD WB CAU | 0.0021 %                      |
| 911401573951 | BY718P LED200/NW PSD WB CAU | 0.0021 %                      |

| Order Code   | Full Product Name           | Driver failure rate at 5000 h |
|--------------|-----------------------------|-------------------------------|
| 911401577051 | BY718P LED250/NW PSU NB     | -                             |
| 911401577451 | BY718P LED300/NW PSU NB     | -                             |
| 911401578151 | BY718P LED250/NW PSU WB CAU | -                             |
| 911401578251 | BY718P LED300/NW PSU WB CAU | -                             |
| 911401569051 | BY718P LED100/NW PSU NB     | -                             |
| 911401569651 | BY718P LED100/NW PSU WB CAU | -                             |
| 911401581751 | BY718P LED150/NW PSD WB CAU | 0.0021 %                      |

### Application Conditions

| Order Code   | Full Product Name           | Maximum dim level |
|--------------|-----------------------------|-------------------|
| 911401569451 | BY718P LED200/NW PSU NB     | Not applicable    |
| 911401569751 | BY718P LED200/NW PSU WB CAU | Not applicable    |
| 911401576651 | BY718P LED150/NW PSU NB     | Not applicable    |
| 911401578051 | BY718P LED150/NW PSU WB CAU | Not applicable    |
| 911401581851 | BY718P LED250/NW PSD WB CAU | 1%                |
| 911401581951 | BY718P LED300/NW PSD WB CAU | 1%                |
| 911401573851 | BY718P LED100/NW PSD WB CAU | 1%                |
| 911401573951 | BY718P LED200/NW PSD WB CAU | 1%                |

| Order Code   | Full Product Name           | Maximum dim level |
|--------------|-----------------------------|-------------------|
| 911401577051 | BY718P LED250/NW PSU NB     | Not applicable    |
| 911401577451 | BY718P LED300/NW PSU NB     | Not applicable    |
| 911401578151 | BY718P LED250/NW PSU WB CAU | Not applicable    |
| 911401578251 | BY718P LED300/NW PSU WB CAU | Not applicable    |
| 911401569051 | BY718P LED100/NW PSU NB     | Not applicable    |
| 911401569651 | BY718P LED100/NW PSU WB CAU | Not applicable    |
| 911401581751 | BY718P LED150/NW PSD WB CAU | 1%                |

