![Philips Lighting logo]

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.

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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

Versions

PHILIPS 0407

LED100
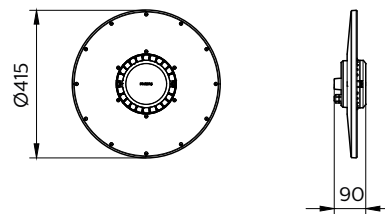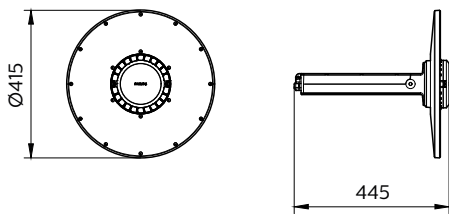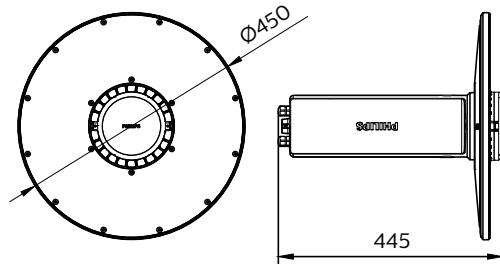
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PHILIPS 0390

PHILIPS 0422

LED150

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Dimensional drawing

Ø385

445

Ø450

95

Ø510

464

Ø510

90

Ø385

95

Ø450

445

Ø415

445

Ø415

90
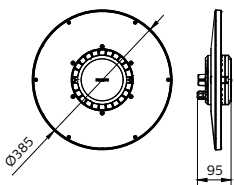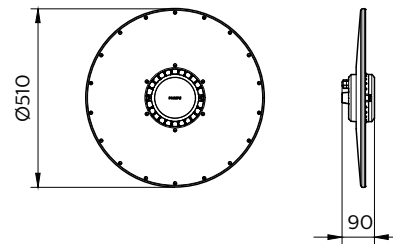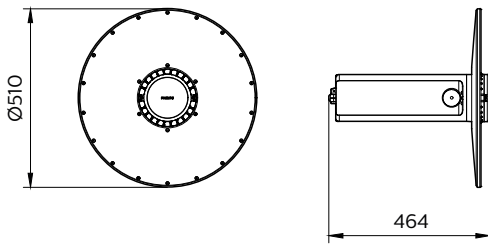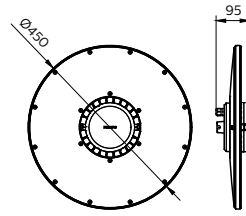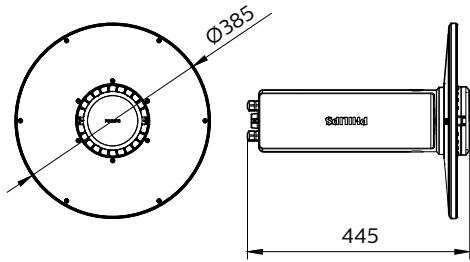
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General Information

Driver included	Yes
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 ℃

Approval and Application

CE mark	CE mark
Protection class IEC	Safety class I
ENEC mark	–
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 ℃, duration 30 s
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
911401569751	BY718P LED200/NW PSU WB CAU	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
911401578151	BY718P LED250/NW PSU WB CAU	1 unit	–
911401578251	BY718P LED300/NW PSU WB CAU	1 unit	–
911401569651	BY718P LED100/NW PSU WB CAU	1 unit	–
911401581751	BY718P LED150/NW PSD WB CAU	1 unit	Yes

Light Technical

Order Code	Full Product Name	Optical cover/lens type	Luminous Efficacy (rated) (Nom)	Luminous Flux
911401569751	BY718P LED200/NW PSU WB CAU	Lens	158 lm/W	21,500 lumen
911401578051	BY718P LED150/NW PSU WB CAU	Lens	145 lm/W	15,000 lumen
911401581851	BY718P LED250/NW PSD WB CAU	Polycarbonate bowl/cover	147 lm/W	27,000 lumen
911401581951	BY718P LED300/NW PSD WB CAU	Polycarbonate bowl/cover	137 lm/W	30,000 lumen
911401573851	BY718P LED100/NW PSD WB CAU	Polycarbonate bowl/cover	145 lm/W	11,000 lumen

Order Code	Full Product Name	Optical cover/lens type	Luminous Efficacy (rated) (Nom)	Luminous Flux
911401573951	BY718P LED200/NW PSD WB CAU	Polycarbonate bowl/cover	147 lm/W	21,500 lumen
911401578151	BY718P LED250/NW PSU WB CAU	Lens	158 lm/W	27,000 lumen
911401578251	BY718P LED300/NW PSU WB CAU	Lens	145 lm/W	30,000 lumen
911401569651	BY718P LED100/NW PSU WB CAU	Lens	156 lm/W	11,000 lumen
911401581751	BY718P LED150/NW PSD WB CAU	Polycarbonate bowl/cover	137 lm/W	15,000 lumen

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Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401569751	BY718P LED200/NW PSU WB CAU	135 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

Order Code	Full Product Name	Power Consumption
911401573951	BY718P LED200/NW PSD WB CAU	145 W
911401578151	BY718P LED250/NW PSU WB CAU	169 W
911401578251	BY718P LED300/NW PSU WB CAU	203 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
911401569751	BY718P LED200/NW PSU WB CAU	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

Order Code	Full Product Name	Dimmable
911401573951	BY718P LED200/NW PSD WB CAU	Yes
911401578151	BY718P LED250/NW PSU WB CAU	No
911401578251	BY718P LED300/NW PSU WB CAU	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
911401569751	BY718P LED200/NW PSU WB CAU	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

Order Code	Full Product Name	Housing Color
911401573951	BY718P LED200/NW PSD WB CAU	Black and gray
911401578151	BY718P LED250/NW PSU WB CAU	Gray
911401578251	BY718P LED300/NW PSU WB CAU	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
911401569751	BY718P LED200/NW PSU WB CAU	–
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 %

Order Code	Full Product Name	Driver failure rate at 5000 h
911401573951	BY718P LED200/NW PSD WB CAU	0.0021 %
911401578151	BY718P LED250/NW PSU WB CAU	–
911401578251	BY718P LED300/NW PSU WB CAU	–
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
911401569751	BY718P LED200/NW PSU WB CAU	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%

Order Code	Full Product Name	Maximum dim level
911401573951	BY718P LED200/NW PSD WB CAU	1%
911401578151	BY718P LED250/NW PSU WB CAU	Not applicable
911401578251	BY718P LED300/NW PSU WB CAU	Not applicable
911401569651	BY718P LED100/NW PSU WB CAU	Not applicable
911401581751	BY718P LED150/NW PSD WB CAU	1%

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www.lighting.philips.com

2023, June 6 – data subject to change