



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 35°C)
- 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
	Pipe
	Surface
Operating Temperature range	-30 to +50 °C (45 °C)
Light Source	LED
Mains Voltage	220-240V / 50-60Hz
Mains connection	Flying cable
Mechanical Accessories	Mounting bracket
Dimming	PSU: non-dimmable
	PSD: Dimmable via Dali-broadcasting
	Connected: Wireless control, compatible with SNHR210 sensor
Control system input	DALI / Wireless
Integrated sensors	SNHR210
Material	Housing: die-cast aluminum
Main color of the luminaire	RAL7012
Flicker / Pst / SVM	PSU: <15%
	PSD: <4%
	Connected: <4%

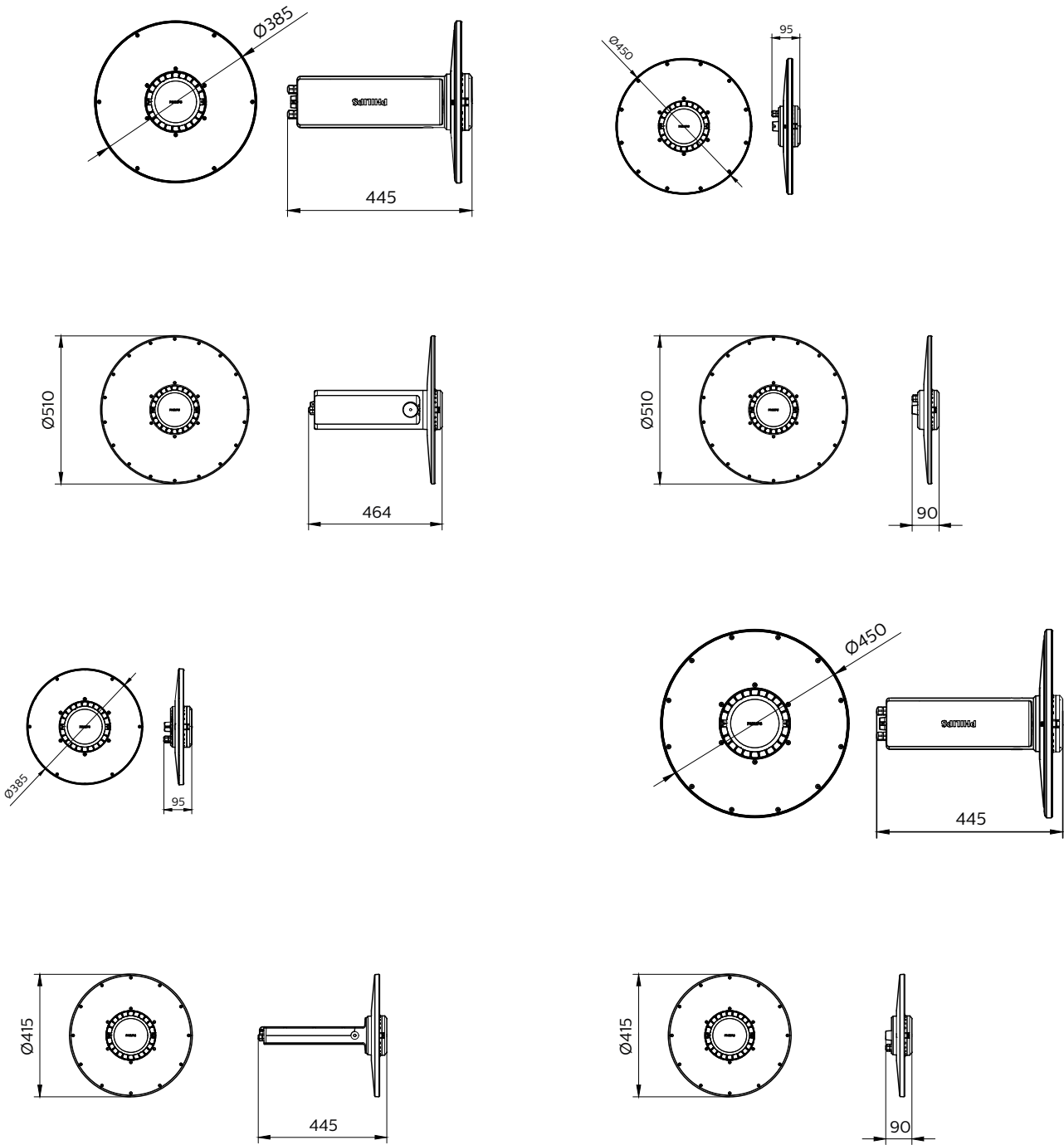
Luminous flux	10klm-36klm
Power consumption	68W - 257W
Luminaire efficacy	Up to 160lm/W
Correlated color temperature - CCT	4000K
Color Rendering index - CRI	6500K
Beam angle	WB: 90° ± 5°
	NB: 55° ± 5°
Optical cover/lens material	PC
Optical cover/lens finish	Clear
Protection Class	Class I
IEC61140	
Mechanical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

Versions



LED150

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	
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
911401569251	BY718P LED200/CW PSU NB	1 unit	-
911401569351	BY718P LED200/CW PSU WB	1 unit	-
911401569451	BY718P LED200/NW PSU NB	1 unit	-
911401569551	BY718P LED200/NW PSU WB	1 unit	-
911401576551	BY718P LED150/CW PSU WB	1 unit	-
911401576651	BY718P LED150/NW PSU NB	1 unit	-
911401576751	BY718P LED150/NW PSU WB	1 unit	-
911401581351	BY718P LED300/CW PSD NB	2 units	Yes
911401581451	BY718P LED300/CW PSD WB	2 units	Yes
911401571851	BY718P LED100/CW PSD NB	1 unit	Yes
911401572051	BY718P LED100/NW PSD NB	1 unit	Yes
911401572151	BY718P LED100/NW PSD WB	1 unit	Yes
911401572251	BY718P LED200/CW PSD NB	1 unit	Yes
911401572351	BY718P LED200/CW PSD WB	1 unit	Yes
911401572551	BY718P LED200/NW PSD WB	1 unit	Yes
911401576851	BY718P LED250/CW PSU NB	1 unit	-
911401577051	BY718P LED250/NW PSU NB	1 unit	-
911401577151	BY718P LED250/NW PSU WB	1 unit	-
911401577251	BY718P LED300/CW PSU NB	1 unit	-
911401577351	BY718P LED300/CW PSU WB	1 unit	-
911401577451	BY718P LED300/NW PSU NB	1 unit	-
911401568851	BY718P LED100/CW PSU NB	1 unit	-
911401568951	BY718P LED100/CW PSU WB	1 unit	-
911401569051	BY718P LED100/NW PSU NB	1 unit	-
911401580651	BY718P LED150/CW PSD WB	1 unit	Yes
911401580851	BY718P LED150/NW PSD WB	1 unit	Yes

Light Technical

Order Code	Full Product Name	Correlated Color		Luminous Efficacy	
		Temperature (Nom)	Optical cover type	(rated) (Nom)	Luminous Flux
911401569251	BY718P LED200/CW PSU NB	6500 K	Lens	159 lm/W	21,500 lm
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
911401569551	BY718P LED200/NW PSU WB	4000 K	Lens	159 lm/W	21,500 lm

Order Code	Full Product Name	Correlated Color		Luminous Efficacy	
		Temperature (Nom)	Optical cover type	(rated) (Nom)	Luminous Flux
911401576551	BY718P LED150/CW PSU WB	6500 K	Lens	160 lm/W	16,300 lm
911401576651	BY718P LED150/NW PSU NB	4000 K	Lens	160 lm/W	16,300 lm
911401576751	BY718P LED150/NW PSU WB	4000 K	Lens	160 lm/W	16,300 lm
911401581351	BY718P LED300/CW PSD NB	6500 K	Polycarbonate bowl/cover	137 lm/W	30,000 lm

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Order Code	Full Product Name	Correlated Color	Optical cover type	Luminous Efficacy	Luminous Flux
		Temperature (Nom)		(rated) (Nom)	
911401581451	BY718P LED300/CW PSD WB	6500 K	Polycarbonate bowl/cover	137 lm/W	30,000 lm
911401571851	BY718P LED100/CW PSD NB	6500 K	Polycarbonate bowl/cover	145 lm/W	11,000 lm
911401572051	BY718P LED100/NW PSD NB	4000 K	Polycarbonate bowl/cover	145 lm/W	11,000 lm
911401572151	BY718P LED100/NW PSD WB	4000 K	Polycarbonate bowl/cover	145 lm/W	11,000 lm
911401572251	BY718P LED200/CW PSD NB	6500 K	Polycarbonate bowl/cover	147 lm/W	21,500 lm
911401572351	BY718P LED200/CW PSD WB	6500 K	Polycarbonate bowl/cover	147 lm/W	21,500 lm
911401572551	BY718P LED200/NW PSD WB	4000 K	Polycarbonate bowl/cover	148 lm/W	21,500 lm
911401576851	BY718P LED250/CW PSU NB	6500 K	Lens	160 lm/W	27,000 lm
911401577051	BY718P LED250/NW PSU NB	4000 K	Lens	160 lm/W	27,000 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401569251	BY718P LED200/CW PSU NB	135 W
911401569351	BY718P LED200/CW PSU WB	135 W
911401569451	BY718P LED200/NW PSU NB	135 W
911401569551	BY718P LED200/NW PSU WB	135 W
911401576551	BY718P LED150/CW PSU WB	102 W
911401576651	BY718P LED150/NW PSU NB	102 W
911401576751	BY718P LED150/NW PSU WB	102 W
911401581351	BY718P LED300/CW PSD NB	217 W
911401581451	BY718P LED300/CW PSD WB	217 W
911401571851	BY718P LED100/CW PSD NB	73 W
911401572051	BY718P LED100/NW PSD NB	73 W
911401572151	BY718P LED100/NW PSD WB	73 W
911401572251	BY718P LED200/CW PSD NB	145 W

Controls and Dimming

Order Code	Full Product Name	Correlated Color	Optical cover type	Luminous Efficacy	Luminous Flux
		Temperature (Nom)		(rated) (Nom)	
911401577151	BY718P LED250/NW PSU WB	4000 K	Lens	160 lm/W	27,000 lm
911401577251	BY718P LED300/CW PSU NB	6500 K	Lens	160 lm/W	32,500 lm
911401577351	BY718P LED300/CW PSU WB	6500 K	Lens	160 lm/W	32,500 lm
911401577451	BY718P LED300/NW PSU NB	4000 K	Lens	160 lm/W	32,500 lm
911401568851	BY718P LED100/CW PSU NB	6500 K	Lens	159 lm/W	10,800 lm
911401568951	BY718P LED100/CW PSU WB	6500 K	Lens	159 lm/W	10,800 lm
911401569051	BY718P LED100/NW PSU NB	4000 K	Lens	159 lm/W	10,800 lm
911401580651	BY718P LED150/CW PSD WB	6500 K	Polycarbonate bowl/cover	137 lm/W	15,000 lm
911401580851	BY718P LED150/NW PSD WB	4000 K	Polycarbonate bowl/cover	137 lm/W	15,000 lm

Order Code	Full Product Name	Power Consumption
911401572351	BY718P LED200/CW PSD WB	145 W
911401572551	BY718P LED200/NW PSD WB	145 W
911401576851	BY718P LED250/CW PSU NB	169 W
911401577051	BY718P LED250/NW PSU NB	169 W
911401577151	BY718P LED250/NW PSU WB	169 W
911401577251	BY718P LED300/CW PSU NB	203 W
911401577351	BY718P LED300/CW PSU WB	203 W
911401577451	BY718P LED300/NW PSU NB	203 W
911401568851	BY718P LED100/CW PSU NB	68 W
911401568951	BY718P LED100/CW PSU WB	68 W
911401569051	BY718P LED100/NW PSU NB	68 W
911401580651	BY718P LED150/CW PSD WB	109 W
911401580851	BY718P LED150/NW PSD WB	109 W

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Order Code	Full Product Name	Dimmable
911401569251	BY718P LED200/CW PSU NB	No
911401569351	BY718P LED200/CW PSU WB	No
911401569451	BY718P LED200/NW PSU NB	No
911401569551	BY718P LED200/NW PSU WB	No
911401576551	BY718P LED150/CW PSU WB	No
911401576651	BY718P LED150/NW PSU NB	No
911401576751	BY718P LED150/NW PSU WB	No
911401581351	BY718P LED300/CW PSD NB	Yes
911401581451	BY718P LED300/CW PSD WB	Yes
911401571851	BY718P LED100/CW PSD NB	Yes
911401572051	BY718P LED100/NW PSD NB	Yes
911401572151	BY718P LED100/NW PSD WB	Yes
911401572251	BY718P LED200/CW PSD NB	Yes

Order Code	Full Product Name	Dimmable
911401572351	BY718P LED200/CW PSD WB	Yes
911401572551	BY718P LED200/NW PSD WB	Yes
911401576851	BY718P LED250/CW PSU NB	No
911401577051	BY718P LED250/NW PSU NB	No
911401577151	BY718P LED250/NW PSU WB	No
911401577251	BY718P LED300/CW PSU NB	No
911401577351	BY718P LED300/CW PSU WB	No
911401577451	BY718P LED300/NW PSU NB	No
911401568851	BY718P LED100/CW PSU NB	No
911401568951	BY718P LED100/CW PSU WB	No
911401569051	BY718P LED100/NW PSU NB	No
911401580651	BY718P LED150/CW PSD WB	Yes
911401580851	BY718P LED150/NW PSD WB	Yes

Mechanical and Housing

Order Code	Full Product Name	Housing Color
911401569251	BY718P LED200/CW PSU NB	Gray
911401569351	BY718P LED200/CW PSU WB	Gray
911401569451	BY718P LED200/NW PSU NB	Gray
911401569551	BY718P LED200/NW PSU WB	Gray
911401576551	BY718P LED150/CW PSU WB	Gray
911401576651	BY718P LED150/NW PSU NB	Gray
911401576751	BY718P LED150/NW PSU WB	Gray
911401581351	BY718P LED300/CW PSD NB	Black and gray
911401581451	BY718P LED300/CW PSD WB	Black and gray
911401571851	BY718P LED100/CW PSD NB	Black and gray
911401572051	BY718P LED100/NW PSD NB	Black and gray
911401572151	BY718P LED100/NW PSD WB	Black and gray
911401572251	BY718P LED200/CW PSD NB	Black and gray

Order Code	Full Product Name	Housing Color
911401572351	BY718P LED200/CW PSD WB	Black and gray
911401572551	BY718P LED200/NW PSD WB	Black and gray
911401576851	BY718P LED250/CW PSU NB	Gray
911401577051	BY718P LED250/NW PSU NB	Gray
911401577151	BY718P LED250/NW PSU WB	Gray
911401577251	BY718P LED300/CW PSU NB	Gray
911401577351	BY718P LED300/CW PSU WB	Gray
911401577451	BY718P LED300/NW PSU NB	Gray
911401568851	BY718P LED100/CW PSU NB	Gray
911401568951	BY718P LED100/CW PSU WB	Gray
911401569051	BY718P LED100/NW PSU NB	Gray
911401580651	BY718P LED150/CW PSD WB	Black and 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
911401569251	BY718P LED200/CW PSU NB	-
911401569351	BY718P LED200/CW PSU WB	-
911401569451	BY718P LED200/NW PSU NB	-
911401569551	BY718P LED200/NW PSU WB	-
911401576551	BY718P LED150/CW PSU WB	-
911401576651	BY718P LED150/NW PSU NB	-
911401576751	BY718P LED150/NW PSU WB	-
911401581351	BY718P LED300/CW PSD NB	0.0042 %
911401581451	BY718P LED300/CW PSD WB	0.0042 %
911401571851	BY718P LED100/CW PSD NB	0.0021 %
911401572051	BY718P LED100/NW PSD NB	0.0021 %
911401572151	BY718P LED100/NW PSD WB	0.0021 %
911401572251	BY718P LED200/CW PSD NB	0.0021 %

Order Code	Full Product Name	Driver failure rate at 5000 h
911401572351	BY718P LED200/CW PSD WB	0.0021 %
911401572551	BY718P LED200/NW PSD WB	0.0021 %
911401576851	BY718P LED250/CW PSU NB	-
911401577051	BY718P LED250/NW PSU NB	-
911401577151	BY718P LED250/NW PSU WB	-
911401577251	BY718P LED300/CW PSU NB	-
911401577351	BY718P LED300/CW PSU WB	-
911401577451	BY718P LED300/NW PSU NB	-
911401568851	BY718P LED100/CW PSU NB	-
911401568951	BY718P LED100/CW PSU WB	-
911401569051	BY718P LED100/NW PSU NB	-
911401580651	BY718P LED150/CW PSD WB	0.0021 %
911401580851	BY718P LED150/NW PSD WB	0.0021 %

Application Conditions

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Order Code	Full Product Name	Maximum dim level
911401569251	BY718P LED200/CW PSU NB	Not applicable
911401569351	BY718P LED200/CW PSU WB	Not applicable
911401569451	BY718P LED200/NW PSU NB	Not applicable
911401569551	BY718P LED200/NW PSU WB	Not applicable
911401576551	BY718P LED150/CW PSU WB	Not applicable
911401576651	BY718P LED150/NW PSU NB	Not applicable
911401576751	BY718P LED150/NW PSU WB	Not applicable
911401581351	BY718P LED300/CW PSD NB	1%
911401581451	BY718P LED300/CW PSD WB	1%
911401571851	BY718P LED100/CW PSD NB	1%
911401572051	BY718P LED100/NW PSD NB	1%
911401572151	BY718P LED100/NW PSD WB	1%
911401572251	BY718P LED200/CW PSD NB	1%

Order Code	Full Product Name	Maximum dim level
911401572351	BY718P LED200/CW PSD WB	1%
911401572551	BY718P LED200/NW PSD WB	1%
911401576851	BY718P LED250/CW PSU NB	Not applicable
911401577051	BY718P LED250/NW PSU NB	Not applicable
911401577151	BY718P LED250/NW PSU WB	Not applicable
911401577251	BY718P LED300/CW PSU NB	Not applicable
911401577351	BY718P LED300/CW PSU WB	Not applicable
911401577451	BY718P LED300/NW PSU NB	Not applicable
911401568851	BY718P LED100/CW PSU NB	Not applicable
911401568951	BY718P LED100/CW PSU WB	Not applicable
911401569051	BY718P LED100/NW PSU NB	Not applicable
911401580651	BY718P LED150/CW PSD WB	1%
911401580851	BY718P LED150/NW PSD WB	1%

