



Philips GreenPerform Elite Highbay G2: A versatile highbay LED luminaire with future-proof connectivity and UltraEfficient options

GreenPerform Elite Highbay G2

GreenPerform Elite Highbay G2 is the latest innovation in our successful range of highbay luminaires for high ceiling and industrial applications. GreenPerform Elite Highbay G2 improves on the unique finless housing and flat optics design of earlier versions of the luminaire. Its clean and appealing aesthetic works perfectly in industrial application as well as high-ceiling applications in airports, lobbies, and other indoor areas. This versatile luminaire offers a wealth of practical features, including great light quality, exceptional energy savings, a long lifetime at an affordable price, and a wide variety of optics and lumen packages. GreenPerform Elite Highbay G2 also offers options for advanced connectivity with IoT-based systems and software applications, including Interact Pro. If you're looking for a robust, reliable, fit-and-forget solution with connectivity advantages, GreenPerform Elite Highbay G2 is the smart choice.

Benefits

- Unique aesthetics with superior light quality
- Robust and reliable, with a long service life
- Comes in UltraEfficient versions with high efficacy and exceptional energy savings
- Wide range of lumen packages and optics offers extensive application options
- Ready to connect to cloud-based IoT software applications, including Interact Pro

GreenPerform Elite Highbay G2

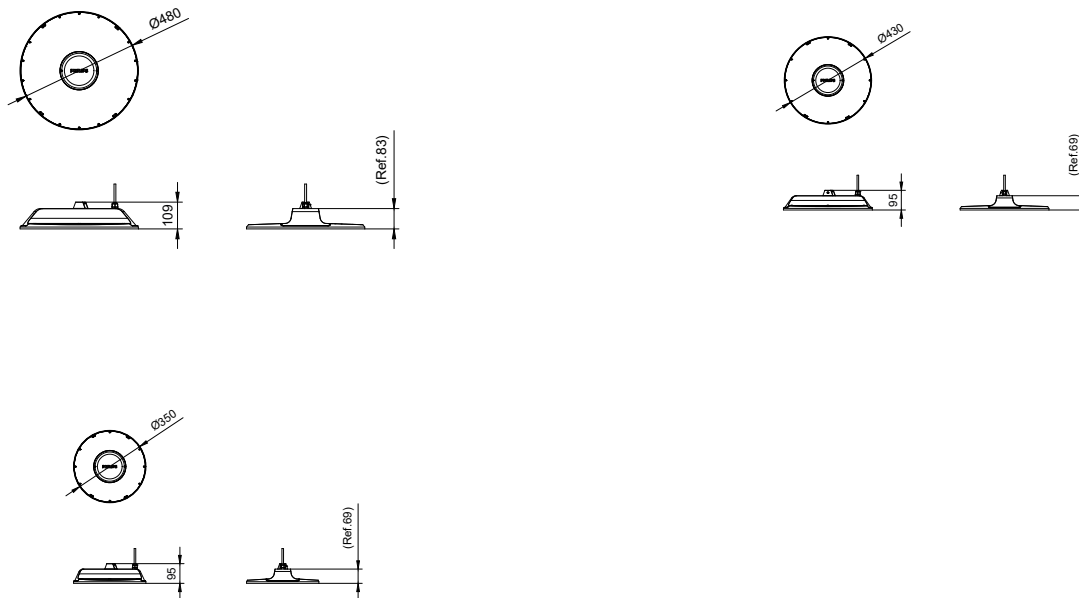
Features

- UltraEfficient versions delivers efficacy 190lm/W, and up to 200lm/W based on optional config.
- Long service life of 100,000 hours (L70B50 @Ta 35°C)
- Extensive range of lumen packages from 10,000 lm to 40,000 lm
- Flicker-free light, UGR25 on WB and UGR22 on NB for superior visual comfort
- High ingress protection rating of IP66 and impact protection rating of IK08
- Wide variety of optics for a range of applications
- Suitable for chain, pipe and surface mounting

Application

- Warehouses
- Manufacturing
- Food processing
- Airports
- Lobbies

Dimensional drawing



General Information	
Driver included	Yes
Gear	EBR
Number of gear units	1 unit
Service tag	Yes
Light Technical	
Color rendering index (CRI)	80
Number of light sources	1
Operating and Electrical	
Protection class IEC	Safety class I
Input Voltage	200 to 240 V
Line Frequency	50 to 60 Hz
Suitable for random switching	Yes
Controls and Dimming	
Dimmable	-
Maximum dim level	Not applicable
Mechanical and Housing	
Optical cover type	Polycarbonate
Housing Color	Gray
Mech. impact protection code	IK08
Ingress protection code	IP66
Approval and Application	
Ambient temperature range	-40 to +50 °C
CE mark	Yes
ENEC mark	-
Flammability mark	-
Glow-wire test	Temperature 650 °C, duration 30 s
Initial Performance (IEC Compliant)	
Luminous flux tolerance	-10% / +10%

Light Technical (1/2)

Order Code	Full Product Name	Beam angle of light source	Correlated Color Temperature	Luminous Efficacy (rated)	Luminous Flux
			(Nom)	(Nom)	
911401620609	BY778P LED100/NW PSU WB	90 degree(s)	4000 K	196 lm/W	10,000 lm
911401620709	BY778P LED100/NW PSU NB	55 degree(s)	4000 K	196 lm/W	10,000 lm
911401620809	BY778P LED100/CW PSU WB	90 degree(s)	6500 K	196 lm/W	10,000 lm
911401620909	BY778P LED100/CW PSU NB	55 degree(s)	6500 K	196 lm/W	10,000 lm
911401621009	BY778P LED150/NW PSU WB	90 degree(s)	4000 K	192 lm/W	15,000 lm
911401621109	BY778P LED150/NW PSU NB	55 degree(s)	4000 K	192 lm/W	15,000 lm
911401621209	BY778P LED150/CW PSU WB	90 degree(s)	6500 K	192 lm/W	15,000 lm
911401621309	BY778P LED150/CW PSU NB	55 degree(s)	6500 K	192 lm/W	15,000 lm
911401621409	BY778P LED200/NW PSU WB	90 degree(s)	4000 K	190 lm/W	20,000 lm
911401621509	BY778P LED200/NW PSU NB	55 degree(s)	4000 K	190 lm/W	20,000 lm
911401621609	BY778P LED200/CW PSU WB	90 degree(s)	6500 K	190 lm/W	20,000 lm
911401621709	BY778P LED200/CW PSU NB	55 degree(s)	6500 K	190 lm/W	20,000 lm
911401621809	BY778P LED250/NW PSU WB	90 degree(s)	4000 K	192 lm/W	25,000 lm
911401621909	BY778P LED250/NW PSU NB	55 degree(s)	4000 K	192 lm/W	25,000 lm
911401622009	BY778P LED250/CW PSU WB	90 degree(s)	6500 K	192 lm/W	25,000 lm
911401622109	BY778P LED250/CW PSU NB	55 degree(s)	6500 K	192 lm/W	25,000 lm
911401622209	BY778P LED300/NW PSU WB	90 degree(s)	4000 K	194 lm/W	30,000 lm
911401622309	BY778P LED300/NW PSU NB	55 degree(s)	4000 K	194 lm/W	30,000 lm
911401622409	BY778P LED300/CW PSU WB	90 degree(s)	6500 K	194 lm/W	30,000 lm
911401622509	BY778P LED300/CW PSU NB	55 degree(s)	6500 K	194 lm/W	30,000 lm
911401622609	BY778P LED350/NW PSU WB	90 degree(s)	4000 K	190 lm/W	35,000 lm
911401622709	BY778P LED350/NW PSU NB	55 degree(s)	4000 K	190 lm/W	35,000 lm
911401622809	BY778P LED350/CW PSU WB	90 degree(s)	6500 K	190 lm/W	35,000 lm
911401622909	BY778P LED350/CW PSU NB	55 degree(s)	6500 K	190 lm/W	35,000 lm

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Order Code	Full Product Name	Beam angle of light source	Correlated Color Temperature	Luminous Efficacy (rated)	Luminous Flux
			(Nom)	(Nom)	
911401623009	BY778P LED400/NW PSU WB	90 degree(s)	4000 K	190 lm/W	40,000 lm
911401623109	BY778P LED400/NW PSU NB	55 degree(s)	4000 K	190 lm/W	40,000 lm
911401623209	BY778P LED400/CW PSU WB	90 degree(s)	6500 K	190 lm/W	40,000 lm
911401623309	BY778P LED400/CW PSU NB	55 degree(s)	6500 K	190 lm/W	40,000 lm

Light Technical (2/2)

Order Code	Full Product Name	Optic type	Order Code	Full Product Name	Optic type
911401620609	BY778P LED100/NW PSU WB	Beam angle 90°	911401622009	BY778P LED250/CW PSU WB	Beam angle 90°
911401620709	BY778P LED100/NW PSU NB	Beam angle 55°	911401622109	BY778P LED250/CW PSU NB	Beam angle 55°
911401620809	BY778P LED100/CW PSU WB	Beam angle 90°	911401622209	BY778P LED300/NW PSU WB	Beam angle 90°
911401620909	BY778P LED100/CW PSU NB	Beam angle 55°	911401622309	BY778P LED300/NW PSU NB	Beam angle 55°
911401621009	BY778P LED150/NW PSU WB	Beam angle 90°	911401622409	BY778P LED300/CW PSU WB	Beam angle 90°
911401621109	BY778P LED150/NW PSU NB	Beam angle 55°	911401622509	BY778P LED300/CW PSU NB	Beam angle 55°
911401621209	BY778P LED150/CW PSU WB	Beam angle 90°	911401622609	BY778P LED350/NW PSU WB	Beam angle 90°
911401621309	BY778P LED150/CW PSU NB	Beam angle 55°	911401622709	BY778P LED350/NW PSU NB	Beam angle 55°
911401621409	BY778P LED200/NW PSU WB	Beam angle 90°	911401622809	BY778P LED350/CW PSU WB	Beam angle 90°
911401621509	BY778P LED200/NW PSU NB	Beam angle 55°	911401622909	BY778P LED350/CW PSU NB	Beam angle 55°
911401621609	BY778P LED200/CW PSU WB	Beam angle 90°	911401623009	BY778P LED400/NW PSU WB	Beam angle 90°
911401621709	BY778P LED200/CW PSU NB	Beam angle 55°	911401623109	BY778P LED400/NW PSU NB	Beam angle 55°
911401621809	BY778P LED250/NW PSU WB	Beam angle 90°	911401623209	BY778P LED400/CW PSU WB	Beam angle 90°
911401621909	BY778P LED250/NW PSU NB	Beam angle 55°	911401623309	BY778P LED400/CW PSU NB	Beam angle 55°

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Order Code	Full Product Name	Power Consumption
911401620609	BY778P LED100/NW PSU WB	51 W	911401622009	BY778P LED250/CW PSU WB	130 W
911401620709	BY778P LED100/NW PSU NB	51 W	911401622109	BY778P LED250/CW PSU NB	130 W
911401620809	BY778P LED100/CW PSU WB	51 W	911401622209	BY778P LED300/NW PSU WB	155 W
911401620909	BY778P LED100/CW PSU NB	51 W	911401622309	BY778P LED300/NW PSU NB	155 W
911401621009	BY778P LED150/NW PSU WB	78 W	911401622409	BY778P LED300/CW PSU WB	155 W
911401621109	BY778P LED150/NW PSU NB	78 W	911401622509	BY778P LED300/CW PSU NB	155 W
911401621209	BY778P LED150/CW PSU WB	78 W	911401622609	BY778P LED350/NW PSU WB	184 W
911401621309	BY778P LED150/CW PSU NB	78 W	911401622709	BY778P LED350/NW PSU NB	184 W
911401621409	BY778P LED200/NW PSU WB	105 W	911401622809	BY778P LED350/CW PSU WB	184 W
911401621509	BY778P LED200/NW PSU NB	105 W	911401622909	BY778P LED350/CW PSU NB	184 W
911401621609	BY778P LED200/CW PSU WB	105 W	911401623009	BY778P LED400/NW PSU WB	210 W
911401621709	BY778P LED200/CW PSU NB	105 W	911401623109	BY778P LED400/NW PSU NB	210 W
911401621809	BY778P LED250/NW PSU WB	130 W	911401623209	BY778P LED400/CW PSU WB	210 W
911401621909	BY778P LED250/NW PSU NB	130 W	911401623309	BY778P LED400/CW PSU NB	210 W

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity	Order Code	Full Product Name	Initial chromaticity
911401620609	BY778P LED100/NW PSU WB	(0.3818,0.3797) SDCM < 5	911401620709	BY778P LED100/NW PSU NB	(0.3818,0.3797) SDCM < 5

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Order Code	Full Product Name	Initial chromaticity
911401620809	BY778P LED100/CW PSU WB	(0.3123,0.3282) SDCM < 5
911401620909	BY778P LED100/CW PSU NB	(0.3123,0.3282) SDCM < 5
911401621009	BY778P LED150/NW PSU WB	(0.3818,0.3797) SDCM < 5
911401621109	BY778P LED150/NW PSU NB	(0.3818,0.3797) SDCM < 5
911401621209	BY778P LED150/CW PSU WB	(0.3123,0.3282) SDCM < 5
911401621309	BY778P LED150/CW PSU NB	(0.3123,0.3282) SDCM < 5
911401621409	BY778P LED200/NW PSU WB	(0.3818,0.3797) SDCM < 5
911401621509	BY778P LED200/NW PSU NB	(0.3818,0.3797) SDCM < 5
911401621609	BY778P LED200/CW PSU WB	(0.3123,0.3282) SDCM < 5
911401621709	BY778P LED200/CW PSU NB	(0.3123,0.3282) SDCM < 5
911401621809	BY778P LED250/NW PSU WB	(0.3818,0.3797) SDCM < 5
911401621909	BY778P LED250/NW PSU NB	(0.3818,0.3797) SDCM < 5
911401622009	BY778P LED250/CW PSU WB	(0.3123,0.3282) SDCM < 5

Order Code	Full Product Name	Initial chromaticity
911401622109	BY778P LED250/CW PSU NB	(0.3123,0.3282) SDCM < 5
911401622209	BY778P LED300/NW PSU WB	(0.3818,0.3797) SDCM < 5
911401622309	BY778P LED300/NW PSU NB	(0.3818,0.3797) SDCM < 5
911401622409	BY778P LED300/CW PSU WB	(0.3123,0.3282) SDCM < 5
911401622509	BY778P LED300/CW PSU NB	(0.3123,0.3282) SDCM < 5
911401622609	BY778P LED350/NW PSU WB	(0.3818,0.3797) SDCM < 5
911401622709	BY778P LED350/NW PSU NB	(0.3818,0.3797) SDCM < 5
911401622809	BY778P LED350/CW PSU WB	(0.3123,0.3282) SDCM < 5
911401622909	BY778P LED350/CW PSU NB	(0.3123,0.3282) SDCM < 5
911401623009	BY778P LED400/NW PSU WB	(0.3818,0.3797) SDCM < 5
911401623109	BY778P LED400/NW PSU NB	(0.3818,0.3797) SDCM < 5
911401623209	BY778P LED400/CW PSU WB	(0.3123,0.3282) SDCM < 5
911401623309	BY778P LED400/CW PSU NB	(0.3123,0.3282) SDCM < 5

