



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

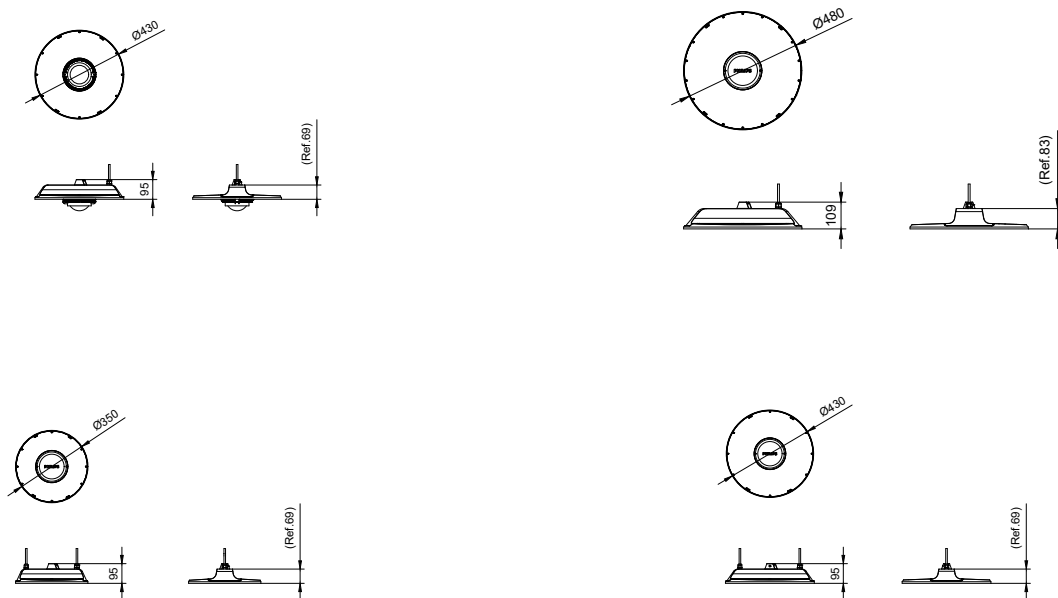
Features

- 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

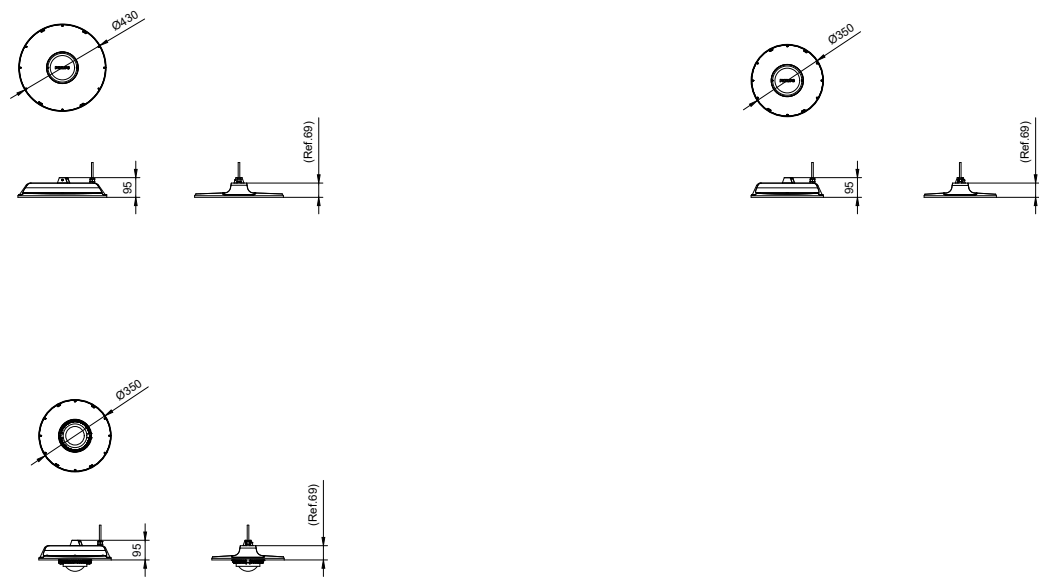
Application

- Warehouses
- Manufacturing
- Food processing
- Airports
- Lobbies

Dimensional drawing



Dimensional drawing



GreenPerform Elite Highbay G2

General Information	
Driver included	Yes
Number of gear units	1 unit
Service tag	Yes
Light Technical	
Correlated Color Temperature (Nom)	4000 K
Color rendering index (CRI)	80
Number of light sources	1
Operating and Electrical	
Protection class IEC	Safety class I
Line Frequency	50 to 60 Hz
Suitable for random switching	Yes
Mechanical and Housing	
Optical cover type	Polycarbonate
Housing Color	Gray
Approval and Application	
CE mark	Yes
ENEC mark	-
Flammability mark	-
Glow-wire test	Temperature 650 °C, duration 30 s
Initial Performance (IEC Compliant)	
Initial chromaticity	(0.3818,0.3797) SDCM < 5
Luminous flux tolerance	-10% / +10%

General Information

Order Code	Full Product Name	Gear
911401635409	BY778X LED200/NW SIA WB CAU	EBR
911401635509	BY778X LED200/NW SIA NB CAU	EBR
911401635809	BY778X LED250/NW SIA WB CAU	EBR
911401635909	BY778X LED250/NW SIA NB CAU	EBR
911401639509	BY778X LED280/NW SIA WB CAU	EBR
911401639609	BY778X LED280/NW SIA NB CAU	EBR
911401623409	BY778P LED100/NW PSU WB CAU	EBR
911401623809	BY778P LED150/NW PSU WB CAU	EBR
911401624209	BY778P LED200/NW PSU WB CAU	EBR
911401624609	BY778P LED250/NW PSU WB CAU	EBR
911401625009	BY778P LED300/NW PSU WB CAU	EBR
911401625109	BY778P LED300/NW PSU NB CAU	EBR
911401625509	BY778P LED350/NW PSU NB CAU	EBR
911401629809	BY778P LED200/NW PSD WB CAU	EBD
911401630209	BY778P LED250/NW PSD WB CAU	EBD
911401638809	BY778P LED280/NW PSD NB CAU	EBD
911401639009	BY778P LED280/NW PSD WB CAU	EBD

Light Technical

Order Code	Full Product Name	Beam angle of light source	Luminous Efficacy (rated) (Nom)	Luminous Flux	Optic type
911401635409	BY778X LED200/NW SIA WB CAU	90 degree(s)	182 lm/W	20,000 lm	Beam angle 90°
911401635509	BY778X LED200/NW SIA NB CAU	55 degree(s)	182 lm/W	20,000 lm	Beam angle 55°
911401635809	BY778X LED250/NW SIA WB CAU	90 degree(s)	182 lm/W	25,000 lm	Beam angle 90°
911401635909	BY778X LED250/NW SIA NB CAU	55 degree(s)	182 lm/W	25,000 lm	Beam angle 55°
911401639509	BY778X LED280/NW SIA WB CAU	90 degree(s)	183 lm/W	28,000 lm	Beam angle 90°

Order Code	Full Product Name	Beam angle of light source	Luminous Efficacy (rated) (Nom)	Luminous Flux	Optic type
911401639609	BY778X LED280/NW SIA NB CAU	55 degree(s)	183 lm/W	28,000 lm	Beam angle 55°
911401623409	BY778P LED100/NW PSU WB CAU	90 degree(s)	196 lm/W	10,000 lm	Beam angle 90°
911401623809	BY778P LED150/NW PSU WB CAU	90 degree(s)	192 lm/W	15,000 lm	Beam angle 90°
911401624209	BY778P LED200/NW PSU WB CAU	90 degree(s)	190 lm/W	20,000 lm	Beam angle 90°
911401624609	BY778P LED250/NW PSU WB CAU	90 degree(s)	192 lm/W	25,000 lm	Beam angle 90°

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Order Code	Full Product Name	Beam angle	Luminous	Luminous Flux	Optic type
		of light source	Efficacy (rated) (Nom)		
911401625009	BY778P	90	194 lm/W	30,000 lm	Beam angle 90°
	LED300/NW	degree(s)			
	PSU WB CAU				
911401625109	BY778P	55 degree(s)	194 lm/W	30,000 lm	Beam angle 55°
	LED300/NW				
	PSU NB CAU				
911401625509	BY778P	55 degree(s)	190 lm/W	35,000 lm	Beam angle 55°
	LED350/NW PSU				
	NB CAU				
911401629809	BY778P	90	182 lm/W	20,000 lm	Beam angle 90°
	LED200/NW	degree(s)			
	PSD WB CAU				

Order Code	Full Product Name	Beam angle	Luminous	Luminous Flux	Optic type
		of light source	Efficacy (rated) (Nom)		
911401630209	BY778P	90	182 lm/W	25,000 lm	Beam angle 90°
	LED250/NW	degree(s)			
	PSD WB CAU				
911401638809	BY778P	55 degree(s)	183 lm/W	28,000 lm	Beam angle 55°
	LED280/NW				
	PSD NB CAU				
911401639009	BY778P	90	183 lm/W	28,000 lm	Beam angle 90°
	LED280/NW	degree(s)			
	PSD WB CAU				

Operating and Electrical

Order Code	Full Product Name	Input Voltage	Power Consumption
911401635409	BY778X LED200/NW SIA WB CAU	220 to 240 V	110 W
911401635509	BY778X LED200/NW SIA NB CAU	220 to 240 V	110 W
911401635809	BY778X LED250/NW SIA WB CAU	220 to 240 V	137 W
911401635909	BY778X LED250/NW SIA NB CAU	220 to 240 V	137 W
911401639509	BY778X LED280/NW SIA WB CAU	220 to 240 V	153 W
911401639609	BY778X LED280/NW SIA NB CAU	220 to 240 V	153 W
911401623409	BY778P LED100/NW PSU WB CAU	200 to 240 V	51 W
911401623809	BY778P LED150/NW PSU WB CAU	200 to 240 V	78 W
911401624209	BY778P LED200/NW PSU WB CAU	200 to 240 V	105 W

Order Code	Full Product Name	Input Voltage	Power Consumption
911401624609	BY778P LED250/NW PSU WB CAU	200 to 240 V	130 W
911401625009	BY778P LED300/NW PSU WB CAU	200 to 240 V	155 W
911401625109	BY778P LED300/NW PSU NB CAU	200 to 240 V	155 W
911401625509	BY778P LED350/NW PSU NB CAU	200 to 240 V	184 W
911401629809	BY778P LED200/NW PSD WB CAU	220 to 240 V	110 W
911401630209	BY778P LED250/NW PSD WB CAU	220 to 240 V	137 W
911401638809	BY778P LED280/NW PSD NB CAU	220 to 240 V	153 W
911401639009	BY778P LED280/NW PSD WB CAU	220 to 240 V	153 W

Controls and Dimming

Order Code	Full Product Name	Dimmable	Maximum dim level
911401635409	BY778X LED200/NW SIA WB CAU	Wireless Dim	20%
911401635509	BY778X LED200/NW SIA NB CAU	Wireless Dim	20%
911401635809	BY778X LED250/NW SIA WB CAU	Wireless Dim	20%
911401635909	BY778X LED250/NW SIA NB CAU	Wireless Dim	20%
911401639509	BY778X LED280/NW SIA WB CAU	Wireless Dim	20%
911401639609	BY778X LED280/NW SIA NB CAU	Wireless Dim	20%
911401623409	BY778P LED100/NW PSU WB CAU	-	Not applicable
911401623809	BY778P LED150/NW PSU WB CAU	-	Not applicable
911401624209	BY778P LED200/NW PSU WB CAU	-	Not applicable

Order Code	Full Product Name	Dimmable	Maximum dim level
911401624609	BY778P LED250/NW PSU WB CAU	-	Not applicable
911401625009	BY778P LED300/NW PSU WB CAU	-	Not applicable
911401625109	BY778P LED300/NW PSU NB CAU	-	Not applicable
911401625509	BY778P LED350/NW PSU NB CAU	-	Not applicable
911401629809	BY778P LED200/NW PSD WB CAU	DALI	20%
911401630209	BY778P LED250/NW PSD WB CAU	DALI	20%
911401638809	BY778P LED280/NW PSD NB CAU	DALI	20%
911401639009	BY778P LED280/NW PSD WB CAU	DALI	20%

Mechanical and Housing

Order Code	Full Product Name	Mech. impact	Ingress
		protection code	protection code
911401635409	BY778X LED200/NW SIA WB CAU	IK05	IP65
911401635509	BY778X LED200/NW SIA NB CAU	IK05	IP65
911401635809	BY778X LED250/NW SIA WB CAU	IK05	IP65
911401635909	BY778X LED250/NW SIA NB CAU	IK05	IP65
911401639509	BY778X LED280/NW SIA WB CAU	IK05	IP65
911401639609	BY778X LED280/NW SIA NB CAU	IK05	IP65

Order Code	Full Product Name	Mech. impact	Ingress
		protection code	protection code
911401623409	BY778P LED100/NW PSU WB CAU	IK08	IP66
911401623809	BY778P LED150/NW PSU WB CAU	IK08	IP66
911401624209	BY778P LED200/NW PSU WB CAU	IK08	IP66
911401624609	BY778P LED250/NW PSU WB CAU	IK08	IP66
911401625009	BY778P LED300/NW PSU WB CAU	IK08	IP66
911401625109	BY778P LED300/NW PSU NB CAU	IK08	IP66

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Order Code	Full Product Name	Mech. impact protection code	Ingress protection code
911401625509	BY778P LED350/NW PSU NB CAU	IK08	IP66
911401629809	BY778P LED200/NW PSD WB CAU	IK08	IP66
911401630209	BY778P LED250/NW PSD WB CAU	IK08	IP66

Order Code	Full Product Name	Mech. impact protection code	Ingress protection code
911401638809	BY778P LED280/NW PSD NB CAU	IK08	IP66
911401639009	BY778P LED280/NW PSD WB CAU	IK08	IP66

Approval and Application

Order Code	Full Product Name	Ambient temperature range
911401635409	BY778X LED200/NW SIA WB CAU	-30 to +50 °C
911401635509	BY778X LED200/NW SIA NB CAU	-30 to +50 °C
911401635809	BY778X LED250/NW SIA WB CAU	-30 to +50 °C
911401635909	BY778X LED250/NW SIA NB CAU	-30 to +50 °C
911401639509	BY778X LED280/NW SIA WB CAU	-30 to +50 °C
911401639609	BY778X LED280/NW SIA NB CAU	-30 to +50 °C
911401623409	BY778P LED100/NW PSU WB CAU	-40 to +50 °C
911401623809	BY778P LED150/NW PSU WB CAU	-40 to +50 °C
911401624209	BY778P LED200/NW PSU WB CAU	-40 to +50 °C

Order Code	Full Product Name	Ambient temperature range
911401624609	BY778P LED250/NW PSU WB CAU	-40 to +50 °C
911401625009	BY778P LED300/NW PSU WB CAU	-40 to +50 °C
911401625109	BY778P LED300/NW PSU NB CAU	-40 to +50 °C
911401625509	BY778P LED350/NW PSU NB CAU	-40 to +50 °C
911401629809	BY778P LED200/NW PSD WB CAU	-40 to +50 °C
911401630209	BY778P LED250/NW PSD WB CAU	-40 to +50 °C
911401638809	BY778P LED280/NW PSD NB CAU	-40 to +50 °C
911401639009	BY778P LED280/NW PSD WB CAU	-40 to +50 °C

