



Robust and superior, beyond standard application

GreenPerform Highbay HT

GreenPerform Highbay High Ta is an ideal solution for high temperature application and special heavy industry, enables a safe working environment with leading specification and comfortable light. In the meanwhile, lower the overall maintenance cost eventually.

Benefits

- Long-lasting performance in high temperature
- Energy saving up to 75%
- Excellent quality assures high performance in high temperature maximum to 60°C

Features

- Lifetime 75,000 hours @ 35°C; 50,000 hours @ 50°C
- System efficacy 135 lumens per watt
- Efficient heat dissipation assure long time at high temperature application
- Tempered glass cover provides strong protection from high pollution

Application

- Factory
- Warehouse
- Open space
- Stadium

GreenPerform Highbay HT

Versions



BY687P LED250/NW

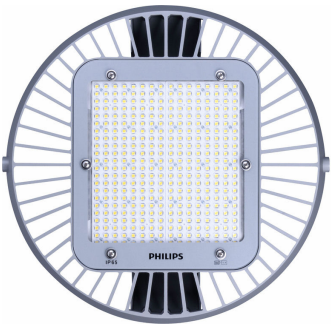
Product details



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Application Conditions

Ambient temperature range	-30 to +60 °C
Suitable for random switching	No

Approval and Application

Mech. impact protection code	IK07
Ingress protection code	IP65

General Information

Beam angle of light source	– °
CE mark	CE mark
Protection class IEC	Safety class I (I)
Optical cover/lens type	GT
Driver included	Yes
ENEC mark	–
Flammability mark	F
Glow-wire test	650/5
Light source replaceable	No
Number of gear units	1 unit

Initial Performance (IEC Compliant)

Init. Color Rendering Index	>80
Luminous flux tolerance	+/-10%

Mechanical and Housing

Color	Silver
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Over Time Performance (IEC Compliant)

Median useful life L80B50	60000 h
Median useful life L90B50	45000 h

Application Conditions

Order Code	Full Product Name	Maximum dim level
911401515051	BY687P LED250/NW PSR NB G2 XT EN	10% (depends on dimmer, ELV)
911401515151	BY687P LED250/CW PSR WB G2 XT EN	10% (depends on dimmer, ELV)
911401515251	BY687P LED250/NW PSR WB G2 XT EN	10% (depends on dimmer, ELV)
911401515351	BY688P LED160/CW PSD WB G2 120-277XTEN	10% (depends on dimmer, ELV)
911401515451	BY687P LED250/CW PSR NB G2 XT EN	10% (depends on dimmer, ELV)
911401515551	BY688P LED160/NW PSD WB G2 120-277XTEN	10% (depends on dimmer, ELV)
911401517251	BY689P LED110/NW PSU NB G2 120-277XTEN	Not applicable
911401517351	BY689P LED110/NW PSU WB G2 120-277XTEN	Not applicable
911401517451	BY688P LED160/CW PSD NB G2 120-277XTEN	10% (depends on dimmer, ELV)
911401517551	BY689P LED110/CW PSU WB G2 120-277XTEN	Not applicable
911401517651	BY688P LED160/NW PSD NB G2 120-277XTEN	10% (depends on dimmer, ELV)
911401517751	BY689P LED110/CW PSU NB G2 120-277XTEN	Not applicable

Controls and Dimming

Order Code	Full Product Name	Dimmable
911401515051	BY687P LED250/NW PSR NB G2 XT EN	Yes
911401515151	BY687P LED250/CW PSR WB G2 XT EN	Yes
911401515251	BY687P LED250/NW PSR WB G2 XT EN	Yes
911401515351	BY688P LED160/CW PSD WB G2 120-277XTEN	Yes
911401515451	BY687P LED250/CW PSR NB G2 XT EN	Yes
911401515551	BY688P LED160/NW PSD WB G2 120-277XTEN	Yes

Order Code	Full Product Name	Dimmable
911401517251	BY689P LED110/NW PSU NB G2 120-277XTEN	No
911401517351	BY689P LED110/NW PSU WB G2 120-277XTEN	No
911401517451	BY688P LED160/CW PSD NB G2 120-277XTEN	Yes
911401517551	BY689P LED110/CW PSU WB G2 120-277XTEN	No
911401517651	BY688P LED160/NW PSD NB G2 120-277XTEN	Yes
911401517751	BY689P LED110/CW PSU NB G2 120-277XTEN	No

Operating and Electrical

Order Code	Full Product Name	Input Voltage
911401515051	BY687P LED250/NW PSR NB G2 XT EN	220 to 240 V
911401515151	BY687P LED250/CW PSR WB G2 XT EN	220 to 240 V
911401515251	BY687P LED250/NW PSR WB G2 XT EN	220 to 240 V
911401515351	BY688P LED160/CW PSD WB G2 120-277XTEN	120 to 277 V
911401515451	BY687P LED250/CW PSR NB G2 XT EN	220 to 240 V
911401515551	BY688P LED160/NW PSD WB G2 120-277XTEN	120 to 277 V

Order Code	Full Product Name	Input Voltage
911401517251	BY689P LED110/NW PSU NB G2 120-277XTEN	120 to 277 V
911401517351	BY689P LED110/NW PSU WB G2 120-277XTEN	120 to 277 V
911401517451	BY688P LED160/CW PSD NB G2 120-277XTEN	120 to 277 V
911401517551	BY689P LED110/CW PSU WB G2 120-277XTEN	120 to 277 V
911401517651	BY688P LED160/NW PSD NB G2 120-277XTEN	120 to 277 V
911401517751	BY689P LED110/CW PSU NB G2 120-277XTEN	120 to 277 V

General Information

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Order Code	Full Product Name	Optic type
911401515051	BY687P LED250/NW PSR NB G2 XT EN	NB
911401515151	BY687P LED250/CW PSR WB G2 XT EN	WB
911401515251	BY687P LED250/NW PSR WB G2 XT EN	WB
911401515351	BY688P LED160/CW PSD WB G2 120-277XTEN	WB
911401515451	BY687P LED250/CW PSR NB G2 XT EN	NB
911401515551	BY688P LED160/NW PSD WB G2 120-277XTEN	WB

Order Code	Full Product Name	Optic type
911401517251	BY689P LED110/NW PSU NB G2 120-277XTEN	NB
911401517351	BY689P LED110/NW PSU WB G2 120-277XTEN	WB
911401517451	BY688P LED160/CW PSD NB G2 120-277XTEN	NB
911401517551	BY689P LED110/CW PSU WB G2 120-277XTEN	WB
911401517651	BY688P LED160/NW PSD NB G2 120-277XTEN	NB
911401517751	BY689P LED110/CW PSU NB G2 120-277XTEN	NB

Initial Performance (IEC Compliant) (1/2)

Order Code	Full Product Name		Init. Corr.	Initial LED	Initial
			Color	luminaire	luminous
	Name	Initial chromaticity	Temperature	efficacy	flux
911401515051	BY687P LED250/NW PSR NB G2 XT EN	(0.38.0.38)SDCM<5	4000 K	135 lm/W	25000 lm
911401515151	BY687P LED250/CW PSR WB G2 XT EN	(0.313.0.324)SDCM<5	6500 K	135 lm/W	25000 lm
911401515251	BY687P LED250/NW PSR WB G2 XT EN	(0.38.0.38)SDCM<5	4000 K	135 lm/W	25000 lm
911401515351	BY688P LED160/CW PSD WB G2 120-277XTEN	(0.313.0.324)SDCM<5	6500 K	133 lm/W	16000 lm
911401515451	BY687P LED250/CW PSR NB G2 XT EN	(0.313.0.324)SDCM<5	6500 K	135 lm/W	25000 lm
911401515551	BY688P LED160/NW PSD WB G2 120-277XTEN	(0.38.0.38)SDCM<5	4000 K	133 lm/W	16000 lm
911401517251	BY689P LED110/NW	(0.38.0.38)SDCM<5	4000 K	128 lm/W	11000 lm

Order Code	Full Product Name		Init. Corr.	Initial LED	Initial
			Color	luminaire	luminous
	Name	Initial chromaticity	Temperature	efficacy	flux
	PSU NB G2 120-277XTEN				
911401517351	BY689P LED110/NW PSU WB G2 120-277XTEN	(0.38.0.38)SDCM<5	4000 K	128 lm/W	11000 lm
911401517451	BY688P LED160/CW PSD NB G2 120-277XTEN	(0.313.0.324)SDCM<5	6500 K	133 lm/W	16000 lm
911401517551	BY689P LED110/CW PSU WB G2 120-277XTEN	(0.313.0.324)SDCM<5	6500 K	128 lm/W	11000 lm
911401517651	BY688P LED160/NW PSD NB G2 120-277XTEN	(0.38.0.38)SDCM<5	4000 K	133 lm/W	16000 lm
911401517751	BY689P LED110/CW PSU NB G2 120-277XTEN	(0.313.0.324)SDCM<5	6500 K	128 lm/W	11000 lm

Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial input power
911401515051	BY687P LED250/NW PSR NB G2 XT EN	185 W
911401515151	BY687P LED250/CW PSR WB G2 XT EN	185 W
911401515251	BY687P LED250/NW PSR WB G2 XT EN	185 W
911401515351	BY688P LED160/CW PSD WB G2 120-277XTEN	120 W
911401515451	BY687P LED250/CW PSR NB G2 XT EN	185 W
911401515551	BY688P LED160/NW PSD WB G2 120-277XTEN	120 W

Order Code	Full Product Name	Initial input power
911401517251	BY689P LED110/NW PSU NB G2 120-277XTEN	86 W
911401517351	BY689P LED110/NW PSU WB G2 120-277XTEN	86 W
911401517451	BY688P LED160/CW PSD NB G2 120-277XTEN	120 W
911401517551	BY689P LED110/CW PSU WB G2 120-277XTEN	86 W
911401517651	BY688P LED160/NW PSD NB G2 120-277XTEN	120 W
911401517751	BY689P LED110/CW PSU NB G2 120-277XTEN	86 W

