PHILIPS Lighting

Energy-efficient lighting for industrial and commercial applications

Greenperform Highbay G2

GreenPerform LED Highbay luminaire isbdesigned to replace traditional up to 400W HID Highbays. This advanced lighting system can deliver up to 77% energy savings. The system delivers simple, point to point replacement of up to 400W HID Highbays with three easy installation methods. The unique flat design means you have the flexibility to install by hook, pendant or bracket. GreenPerform LED Highbay will also reduce downtime. In the event of a power failure they turn on instantly, compared to the slower warm up of traditional HID lamps. They provide exceptionally high-performance in a range of applications. There are three beam shapes to choose from and the high-rack optics are engineered to illuminate vertical planes with exceptionally high accuracy

Benefits
• Solid die-cast housing design ensures long fixture lifetime
• Energy efficient
• Application flexibility (hook/pendant/bracket)
• Application flexibility (multiple beam)

Features
• Energy savings up to 77% compared to HID systems
• Long lifetime
• Comfortable light with low glare ratings
• Unique flat design for various mounting
• Wide Beam, Narrow Beam & High Rack Optic Beam

Application
• General Industry Application
• High Rack Warehouse

Greenperform Highbay G2

Versions

BY687P/BY688P/BY689P

BY687P LED200

Application Conditions

Ambient temperature range	-25 to +45 °C

Approval and Application

Mech. impact protection code	IK07
Ingress protection code	IP65

General Information

CE mark	-
Protection class IEC	Safety class I (I)
Optical cover/lens type	GT
Driver included	Yes
ENEC mark	-
Flammability mark	NO
Gear	-
Glow-wire test	650/30
Light source replaceable	No
Number of gear units	1 unit
UL mark	No

Initial Performance (IEC Compliant)

Initial chromaticy	-
Init. Colour Rendering Index	85
Luminous flux tolerance	+/-7.5%

Application Conditions

Order Code	Full Product Name	Maximum dim level
01536111	BY688P LED 140/NW PSR S-WB	1% (depends on dimmer, ELV)
01536311	BY689P LED90/NW PSU S-WB	Not applicable
01536411	BY688P LED140/CW PSU S-WB	Not applicable
01536511	BY688P LED140/CW PSU S-NB	Not applicable
01536611	BY688P LED140/NW PSU S-WB	Not applicable
01536711	BY688P LED140/NW PSU S-NB	Not applicable
01536811	BY689P LED90/CW PSU S-WB	Not applicable
01568011	BY689P LED100 L3000/NW PSU S-WB	Not applicable
01568911	BY687P LED240/NW PSR S-WB L3000	1% (depends on dimmer, ELV)
01569111	BY687P LED240/NW PSR S-NB L3000	1% (depends on dimmer, ELV)
01569411	BY687P LED200/NW PSR S-NB L3000	1% (depends on dimmer, ELV)
01569511	BY687P LED200/NW PSR S-WB L3000	1% (depends on dimmer, ELV)

Controls and Dimming

Order Code	Full Product Name	Dimmable
01536111	BY688P LED 140/NW PSR S-WB	Yes
01536311	BY689P LED90/NW PSU S-WB	No
01536411	BY688P LED140/CW PSU S-WB	No
01536511	BY688P LED140/CW PSU S-NB	No
01536611	BY688P LED140/NW PSU S-WB	No
01536711	BY688P LED140/NW PSU S-NB	No

Order Code	Full Product Name	Dimmable
01536811	BY689P LED90/CW PSU S-WB	No
01568011	BY689P LED100 L3000/NW PSU S-WB	No
01568911	BY687P LED240/NW PSR S-WB L3000	Yes
01569111	BY687P LED240/NW PSR S-NB L3000	Yes
01569411	BY687P LED200/NW PSR S-NB L3000	Yes
01569511	BY687P LED200/NW PSR S-WB L3000	Yes

General Information

Greenperform Highbay G2

Order Code	Full Product Name	Lamp family code	Optic type
01536111	BY688P LED 140/NW PSR S-WB	LED156	WB
01536311	BY689P LED90/NW PSU S-WB	LED96	WB
01536411	BY688P LED140/CW PSU S-WB	LED156	WB
01536511	BY688P LED140/CW PSU S-NB	LED156	NB
01536611	BY688P LED140/NW PSU S-WB	LED156	WB
01536711	BY688P LED140/NW PSU S-NB	LED156	NB

Order Code	Full Product Name	Lamp family code	Optic type
01536811	BY689P LED90/CW PSU S-WB	LED96	WB
01568011	BY689P LED100 L3000/NW PSU S-WB	LED110	WB
01568911	BY687P LED240/NW PSR S-WB L3000	-	WB
01569111	BY687P LED240/NW PSR S-NB L3000	-	NB
01569411	BY687P LED200/NW PSR S-NB L3000	-	NB
01569511	BY687P LED200/NW PSR S-WB L3000	-	WB

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial input power
01536111	BY688P LED 140/NW PSR S-WB	4000 K	130 W
01536311	BY689P LED90/NW PSU S-WB	4000 K	80 W
01536411	BY688P LED140/CW PSU S-WB	6500 K	130 W
01536511	BY688P LED140/CW PSU S-NB	6500 K	130 W
01536611	BY688P LED140/NW PSU S-WB	4000 K	130 W
01536711	BY688P LED140/NW PSU S-NB	4000 K	130 W
01536811	BY689P LED90/CW PSU S-WB	6500 K	80 W
01568011	BY689P LED100 L3000/NW PSU S-WB	4000 K	90 W

Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial input power
01568911	BY687P LED240/NW PSR S-WB L3000	4000 K	230 W
01569111	BY687P LED240/NW PSR S-NB L3000	4000 K	230 W
01569411	BY687P LED200/NW PSR S-NB L3000	4000 K	200 W
01569511	BY687P LED200/NW PSR S-WB L3000	4000 K	200 W