



Trusted Performance, Everyday

SmartBright Highbay G3

SmartBright Highbay G3 is a highly efficient and reliable LED luminaire. Designed as the point-to-point replacement for HPI 250 W/400 W luminaires, it offers customers all the benefits of LED lighting – reduced energy consumption, longer service time and less maintenance. In addition, using the high-quality optical provides an excellent quality of light, which effectively improves the comfort of your environment.

Benefits

- Energy saving up to 65% comparing to HPI-P system
- Comfort light quality
- Safe & Reliable
- Easy installation and retrofitting

Features

- High efficacy: 100 lumens per watt
- The high-quality optical cover ensures good uniformity
- Lifetime of 30,000 hours @ Ta35°C with end-to-end Philips production quality assurance
- Full family is in compliance with CB and EMC norms
- Suitable for pole and hook mounting

Application

- Industry : Factories, warehouses, workshops, assembly lines, etc.
- High ceiling indoors: Shopping centres, airports, stadiums, etc.

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Versions



Product details



Accessories



Ordercode 911401568651



Ordercode 911401580051

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Application Conditions

Ambient temperature range	-20 to +45 °C
Maximum dim level	Not applicable

Approval and Application

Mech. impact protection code	IK06
Ingress protection code	IP65

Controls and Dimming

Dimmable	No
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Operating and Electrical

Input Voltage	220 to 240 V
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General Information

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

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
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Mechanical and Housing

Colour	Dark Grey
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Over Time Performance (IEC Compliant)

Median useful life L80B50	20000 h
Median useful life L90B50	10000 h

Initial Performance (IEC Compliant) (1/2)

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial LED luminaire efficacy
911401564451	BY239P LED60/CW PSU	(0.313.0.324)SDCM<5	6500 K	80	97 lm/W
911401564551	BY239P LED60/NW PSU	(0.38.0.38)SDCM<5	4000 K	80	97 lm/W
911401564651	BY239P LED100/CW PSU	(0.313.0.324)SDCM<5	6500 K	80	103 lm/W
911401564751	BY239P LED100/NW PSU	(0.38.0.38)SDCM<5	4000 K	80	103 lm/W
911401564851	BY239P LED150/CW PSU	(0.313.0.324)SDCM<5	6500 K	>80	104 lm/W
911401564951	BY239P LED150/NW PSU	(0.38.0.38)SDCM<5	4000 K	>80	104 lm/W
911401565051	BY239P LED200/CW PSU	(0.313.0.324)SDCM<5	6500 K	80	105 lm/W
911401565151	BY239P LED200/NW PSU	(0.38.0.38)SDCM<5	4000 K	80	105 lm/W

Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial luminous flux	Initial input power	Order Code	Full Product Name	Initial luminous flux	Initial input power
911401564451	BY239P LED60/CW PSU	6000 lm	92 W	911401564851	BY239P LED150/CW PSU	15000 lm	145 W
911401564551	BY239P LED60/NW PSU	6000 lm	92 W	911401564951	BY239P LED150/NW PSU	15000 lm	145 W
911401564651	BY239P LED100/CW PSU	10000 lm	97 W	911401565051	BY239P LED200/CW PSU	20000 lm	190 W
911401564751	BY239P LED100/NW PSU	10000 lm	150 W	911401565151	BY239P LED200/NW PSU	20000 lm	190 W

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