



# 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

Solid Aluminum diecasting housing



Solid Aluminum diecasting housing



## Accessories

Ordercode 63367799



Ordercode 63366099



# SmartBright Highbay G3

## Application Conditions

Ambient temperature range	-20 to +45 °C
Maximum dimming 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)

Init. Colour rendering index	80
Luminous flux tolerance	+/-10%

## Mechanical and Housing

Colour	Dark gray
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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	Initial LED Luminaire efficacy	Initial luminous flux
01564451	BY239P LED60/CW PSU	(0.313.0.324)SDCM<5	6500 K	97 lm/W	6000 lm
01564551	BY239P LED60/NW PSU	(0.38.0.38)SDCM<5	4000 K	97 lm/W	6000 lm
01564651	BY239P LED100/CW PSU	(0.313.0.324)SDCM<5	6500 K	103 lm/W	10000 lm
01564751	BY239P LED100/NW PSU	(0.38.0.38)SDCM<5	4000 K	103 lm/W	10000 lm
01564851	BY239P LED150/CW PSU	(0.313.0.324)SDCM<5	6500 K	104 lm/W	15000 lm
01564951	BY239P LED150/NW PSU	(0.38.0.38)SDCM<5	4000 K	104 lm/W	15000 lm
01565051	BY239P LED200/CW PSU	(0.313.0.324)SDCM<5	6500 K	105 lm/W	20000 lm
01565151	BY239P LED200/NW PSU	(0.38.0.38)SDCM<5	4000 K	105 lm/W	20000 lm
01565251	BY239P LED200/CW PSU CAU	(0.313.0.324)SDCM<5	6500 K	105 lm/W	20000 lm
01565351	BY239P LED200/NW PSU CAU	(0.38.0.38)SDCM<5	4000 K	105 lm/W	20000 lm

## Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial input power
01564451	BY239P LED60/CW PSU	62 W
01564551	BY239P LED60/NW PSU	62 W
01564651	BY239P LED100/CW PSU	97 W
01564751	BY239P LED100/NW PSU	97 W
01564851	BY239P LED150/CW PSU	145 W

Order Code	Full Product Name	Initial input power
01564951	BY239P LED150/NW PSU	145 W
01565051	BY239P LED200/CW PSU	190 W
01565151	BY239P LED200/NW PSU	190 W
01565251	BY239P LED200/CW PSU CAU	190 W
01565351	BY239P LED200/NW PSU CAU	190 W

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