



# 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.

# SmartBright Highbay G3

## Versions



## Product details

Solid Aluminum diecasting housing



Solid Aluminum diecasting housing



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Driver failure rate at 5,000 hours	0.01 %
<b>Application Conditions</b>	
Ambient temperature range	-20 to +45 °C
Maximum dimming level	Not applicable
<b>Approval and Application</b>	
Mech. impact protection code	IK06
Ingress protection code	IP65
<b>Controls and Dimming</b>	
Dimmable	No
<b>Operating and Electrical</b>	
Input Voltage	220 to 240 V
<b>General Information</b>	
CE mark	CE mark
Protection class IEC	Safety class I (I)
Driver included	Yes
ENEC mark	-
Flammability mark	NO
Light source replaceable	No
Number of gear units	1 unit
<b>Initial Performance (IEC Compliant)</b>	
Initial LED luminaire efficacy	105 lm/W
Initial luminous flux	20000 lm
Luminous flux tolerance	+/-10%
Initial input power	190 W
<b>Mechanical and Housing</b>	
Colour	Dark Grey

## Application Conditions

Order Code	Full Product Name	Suitable for random switching
911401538161	BY239P LED200/CW PSU CAU	No
911401538461	BY239P LED200/NW PSU CAU	No
911401565351	BY239P LED200/NW PSU CAU	-

## General Information

Order Code	Full Product Name	Beam angle of light source	Optical cover/lens type	Glow-wire test	Optic type
911401538161	BY239P LED200/CW PSU CAU	-	O	NO	Symmetrical
911401538461	BY239P LED200/NW PSU CAU	-	O	NO	Symmetrical

Order Code	Full Product Name	Beam angle of light source	Optical cover/lens type	Glow-wire test	Optic type
911401565351	BY239P LED200/NW PSU CAU	- °	Polycarbonate bowl/cover foggy	650/5	No

## Initial Performance (IEC Compliant)

## SmartBright Highbay G3

Order Code	Full Product		Init. Corr. Colour		Init. Colour
	Name	Initial chromaticity	Temperature	rendering	index
911401538161	BY239P	-	5000 K	>80	
	LED200/CW PSU				
	CAU				
911401538461	BY239P	-	4000 K	>80	
	LED200/NW PSU				
	CAU				

Order Code	Full Product		Init. Corr. Colour		Init. Colour
	Name	Initial chromaticity	Temperature	rendering	index
911401565351	BY239P	(0.38.0.38)SDCM<5	4000 K	80	
	LED200/NW PSU				
	CAU				

### Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Median useful life	
		L80B50	L90B50
911401538161	BY239P LED200/CW PSU CAU	-	-
911401538461	BY239P LED200/NW PSU CAU	-	-

Order Code	Full Product Name	Median useful life	
		L80B50	L90B50
911401565351	BY239P LED200/NW PSU CAU	20000 h	10000 h

