



Trusted performance.. Everyday..

SmartBright Highbay

SmartBright Highbay is a high efficient and reliable LED luminaire. Designed as the point to point replacement for HPI 250W/400W luminaires, it offers customers all the benefits of LED lighting – reduced energy consumption, longer service time and less maintenance. In addition, with using high quality of the optical cover, it 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

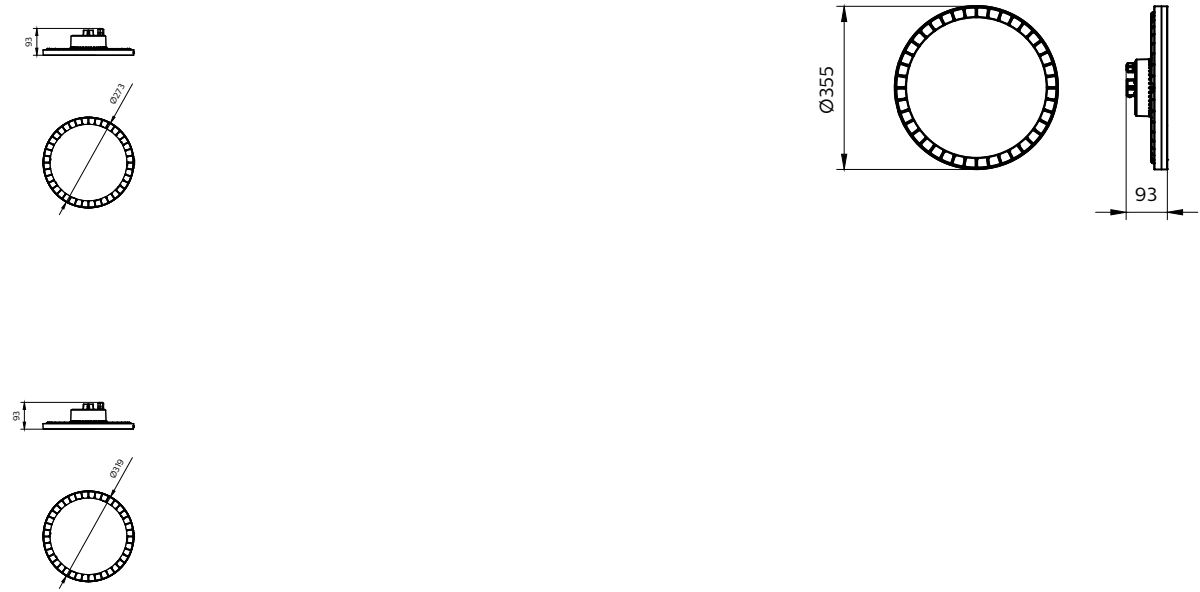
Features

- High efficacy: 130 lumens per watt
- High quality optical Lens cover
- 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, hook, bracket mounting

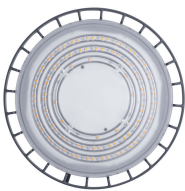
Application

- Industry : Factories, warehouses, workshops, assembly lines, etc.
- High ceiling indoor : Shopping malls, airports, stadium, etc.

Dimensional drawing



Product details



Light Technical	
Color rendering index (CRI)	>80
Luminous Efficacy (rated) (Nom)	130 lm/W
Operating and Electrical	
Protection class IEC	Safety class I
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Optical cover type	Lens
Housing Color	Dark gray
Mech. impact protection code	IK06
Ingress protection code	IP65
Approval and Application	
Ambient temperature range	-20 to +45 °C
CE mark	Yes
Flammability mark	-
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Luminous Flux
54100900	BY239P LED80/CW PSU GM G2	6500 K	7,800 lm
54101600	BY239P LED80/NW PSU GM G2	4000 K	7,800 lm
54102300	BY239P LED130/CW PSU GM G2	6500 K	13,000 lm
54103000	BY239P LED130/NW PSU GM G2	4000 K	13,000 lm
54104700	BY239P LED195/CW PSU GM G2	6500 K	19,500 lm
54105400	BY239P LED195/NW PSU GM G2	4000 K	19,500 lm
54106100	BY239P LED260/CW PSU GM G2	6500 K	26,000 lm
54107800	BY239P LED260/NW PSU GM G2	4000 K	26,000 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
54100900	BY239P LED80/CW PSU GM G2	60 W
54101600	BY239P LED80/NW PSU GM G2	60 W
54102300	BY239P LED130/CW PSU GM G2	100 W
54103000	BY239P LED130/NW PSU GM G2	100 W

Order Code	Full Product Name	Power Consumption
54104700	BY239P LED195/CW PSU GM G2	150 W
54105400	BY239P LED195/NW PSU GM G2	150 W
54106100	BY239P LED260/CW PSU GM G2	200 W
54107800	BY239P LED260/NW PSU GM G2	200 W

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
54100900	BY239P LED80/CW PSU GM G2	(0.316, 0.332) SDCM<5
54101600	BY239P LED80/NW PSU GM G2	(0.385, 0.380) SDCM<5
54102300	BY239P LED130/CW PSU GM G2	(0.316, 0.332) SDCM<5
54103000	BY239P LED130/NW PSU GM G2	(0.385, 0.380) SDCM<5

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