



PHILIPS

Indoor Lighting

SmartBright Highbay G4



Trusted performance. Everyday

SmartBright Highbay G4 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 plate, it provides an excellent quality of light, which effectively improves the comfort of your environment.

Features and benefits

- System efficacy 120lm/W provides high energy savings up to 66% comparing to HID system
- 1 to 1 replacement for retrofit HID Highbay
- 30,000hrs lifetime @Ta35°C in compliance with CB and EMC norms
- Accurate light, good lighting experience, CRI>80

Application

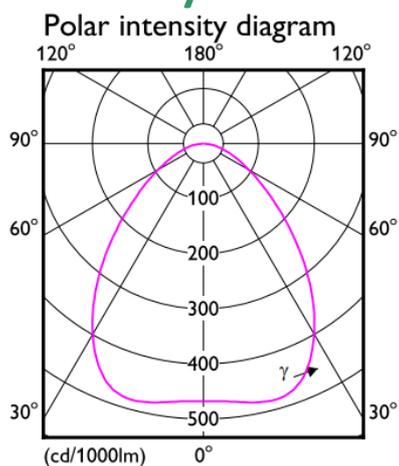
- Industry : Factories, warehouses, workshops, assembly lines, etc.
- High ceiling indoor : Shopping malls, airports, stadium, etc.

Product Data

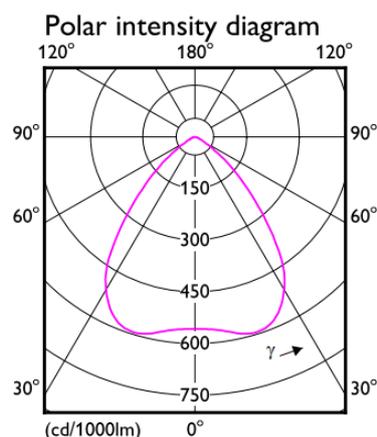
Types	BY239P LED72	BY239P LED120	BY239P LED180	BY239P LED240
Lumen Output (WB)	7200lm	12000lm	18000lm	24000lm
System Power	60W	100W	150W	200W
System efficacy	120lm/W	120lm/W	120m/W	120lm/W
Lumen Output (NB)	6480lm	10800lm	16740lm	21600lm
System Power	60W	100W	150W	200W
System efficacy	108lm/W	108lm/W	108lm/W	108lm/W
CCT	CW (6500K) / NW (4000K)			
CRI	> 80			
Color consistency	< 5 SDCM			
IP/IK rating	IP65/ IK06			
Classification	Class I			
Operation Temperature	-20°C to +45°C (Ta35°C)			
Lifetime (hrs)	30,000 hrs (Calculated L70B50) @35°C			
Optics	WB (90°) ; MB with reflector (80°) *			
Input Voltage	220-240V, 50/60 Hz			
Power factor	> 0.95			
THD	<20%			
Mounting / Installation	Suspension (hook included in the box)			
Housing	Aluminum die-casting			
Dimensions	Φ273mm/H93mm	Φ319mm/H93mm	Φ355mm/H93mm	
Weight	1.46kgs	1.85kgs	2.7kgs	
Reflector	BY238Z R-AL-S-NB G2	BY238Z R-AL-M-NB G2	BY238Z R-AL-L-NB G2	
Certificate	CB/EMC/CE			

* Reflector need to be ordered with separate 12ncs

Photometry

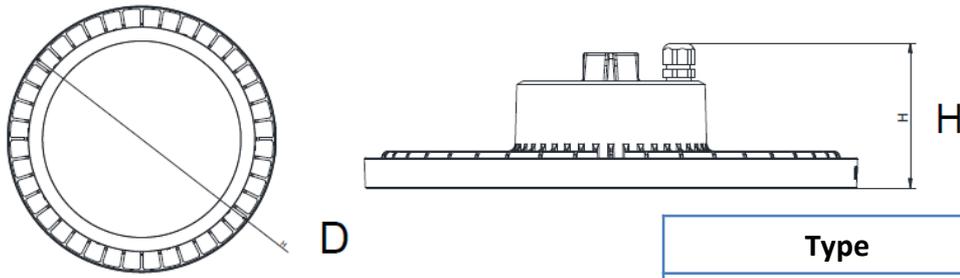


WB



MB
With reflector

Dimension drawing



Type	D(mm)	H(mm)
LED240	355	93
LED180	319	93
LED72 & LED120	273	93

Order Information

12NC	Description	Specification
911401640607	BY239P LED240/NW PSU GM G2	200W, 24000lm, 4000K CCT, fixed output, wide beam
911401640507	BY239P LED240/CW PSU GM G2	200W, 24000lm, 6500K CCT fixed output, wide beam
911401640407	BY239P LED180/NW PSU GM G2	150W, 18000lm, 4000K CCT fixed output, wide beam
911401640307	BY239P LED180/CW PSU GM G2	150W, 18000lm, 6500K CCT fixed output, wide beam
911401640207	BY239P LED120/NW PSU GM G2	100W, 12000lm, 4000K CCT fixed output, wide beam
911401640107	BY239P LED120/CW PSU GM G2	100W, 12000lm, 6500K CCT fixed output, wide beam
911401640007	BY239P LED70/NW PSU GM G2	60W, 7200lm, 4000K CCT fixed output, wide beam
911401639907	BY239P LED70/CW PSU GM G2	60W, 7200lm, 6500K CCT fixed output, wide beam
911401642707	BY238Z R-AL L-NB G2	Reflector used for LED240
911401642607	BY238Z R-AL M-NB G2	Reflector used for LED1080
911401642507	BY238Z R-AL S-NB G2	Reflector used for LED120/LED70
911401644207	BY238Z Hook	Included in the luminaire package, no need to order separately
911401822497	BY218Z Pendant EN	For pipe installation, need to order separately

Product Image

