

# SmartBright Essential Highbay BY218C



*SmartBright Essential Highbay* is a high efficient and reliable LED luminaire, designed for industrial application without humid and dust protection requirements. It enables point to point replacement of HID conventional luminaires, and delivers significant energy savings of up to 64% as compared to HID lamp system.

With the innovation of micro prism structure optical plate, it provides an excellent glare control and smooth uniform lighting surface, which effectively improve the comfort of your environment.

## Benefits

- High energy efficient
- Elegant design
- High quality light effect
- Reliable
- Installation flexibility
- Application flexibility

## Features

- System efficacy of 90lm/W
- Micro prism optical plate: Low glare, good uniformity
- Solid SPCC housing with anti-fire PC cover
- 25,000hrs lifetime @Ta35C
- Hook, pole installation
- Wide beam; Narrow beam

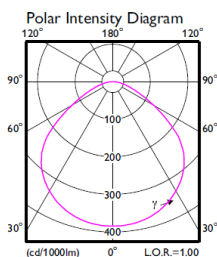
## Applications

- Industry – Factory, warehouse, workshop, assembly line etc.
- High ceiling indoor – shopping mall, airport, stadium etc.

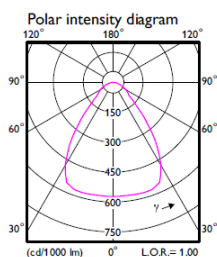


# Specification

	18000lm	9000lm	5200lm
System Power	200W	100W	60W
System efficacy	90lm/W	90lm/W	87lm/W
CCT	CW (6500K)/ NW (4000K)		
CRI	>75		
Color consistence	<5 SDCM		
IP rating	IP20		
Classification	Class I		
Operation Temperature	-20C ~ +40C (Ta35C)		
Lifetime (hr)	25,000hrs (L70) @Ta35C		
Optical	WB; NB (with reflector)		
Input Voltage	220-240V, 50/60 Hz		
Power factor	>0.9		
Installation	Pendant (pole/hook)		
Dimension	D369XH147	D277XH139	D231XH124
Weight	4.5kgs	2.4kgs	1.6kgs
Certificate	CB/EMC/AU&NZ/CE		
Optional accessory	BY218Z RL-L	BY218Z RL-M	BY218Z RL-S
	200W NB reflector	100W NB reflector	60W NB reflector



- WB
- 2 \* 50°
- Rotating symmetry
- Suitable for general lighting in public areas and mid and high ceiling
- UGR.29



- NB
- 2 \* 35°
- rotating symmetry
- Concentrated light angle, suitable for higher ceiling installation area
- UGR.21

**PHILIPS**

## Order Information

12NC	Description	Lumen	CCT	power	control
911401560221	BY218P LED180/CW PSU	18000lm	6500K	200W	PSU
911401560321	BY218P LED180/NW PSU	18000lm	4000K	200W	PSU
911401560421	BY218P LED90/CW PSU	9000lm	6500K	100W	PSU
911401560521	BY218P LED90/NW PSU	9000lm	4000K	100W	PSU
911401560621	BY218P LED50/CW PSU	5200lm	6500K	60W	PSU
911401560721	BY218P LED50/NW PSU	5200lm	4000K	60W	PSU

## Accessory

12NC	Description	
911401561421	BY218Z RL-L	Reflector for 200W
911401561521	BY218Z RL-M	Reflector for 100W
911401561621	BY218Z RL-S	Reflector for 60W
911401561721	BY218Z Hook	
911401561821	BY218Z Pendant	



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Data subject to change