

DESCRIPTION

The YHB High Bay is a flexible and efficient lighting solution available in three sizes to suit a wide range of applications. It features built-in lumen and CCT selectability, allowing you to customize light output and color temperature from a single fixture. With high efficacy options of 169 lm/W, the YHB delivers powerful, energy-efficient illumination. A standard 0-10V sensor port enables easy plug-and-play sensor integration, and an optional emergency battery backup provides added reliability. Engineered for performance, adaptability, and long-term durability, the YHB High Bay is the ideal choice for high-performance lighting in any environment.

FEATURES

Construction

- Die-cast aluminum housing and heatsink to optimize thermal transfer and maximize performance of the LEDs.

Optics

- Achieves efficiency levels of up to **169lm/W**
- 150W, 240W and 320W replaces 250-400W+ MH.
- Offers standard 4000K and 5000K light modules.
- >80 CRI
- Provides even light intensity with a 120-degree lens.

Electrical

- Universal voltage of 120-277VAC or 480VAC (50/60Hz)
- 0-10V dimming standard for a dimming range of 100% to 10%.
- Functions in temperatures ranging from -40°C (-40°F) to 50°C (122°F)
- All models are designed to withstand up to 6kV surge.

Controls

- Optional Microwave sensor or PIR sensor.*

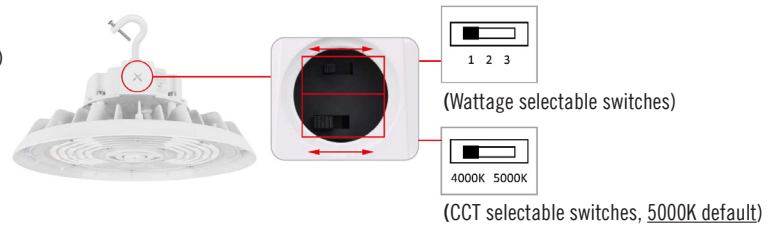
Lifespan

- Estimated 50,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

Project:	Date
Type:	
Model:	



Wattage & CCT Selectable (Built in switches)



ORDER INFORMATION

EXAMPLE: YHB-WS150-Y-CCTS-WH



Series	Wattage Selectable	Voltage	CCTS	Motion Sensor	Finish	Safety Chain	Emergency Battery Backup	Reflector
YHB High Bay light	WS150 (150W / 100W / 80W)	Y 120-277V	CCTS (4000K / 5000K)	(Blank) Standard no sensor	WH White	(Blank) Standard	(Blank) Standard	(Blank) Standard
	WS240 (240W / 200W / 150W)	HV 480V		MS PIR Motion Sensor	BK Black	SC Safety Chain	EB Emergency Battery Back-up 25W EB (YHB150W) 40W EB (YHB240-320W)	PCR PC Reflector
	WS320 (320W / 240W / 200W)							

Enter configuration:

Dimensions and values shown are nominal. LuminosoLED continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

YHB High Bay Light

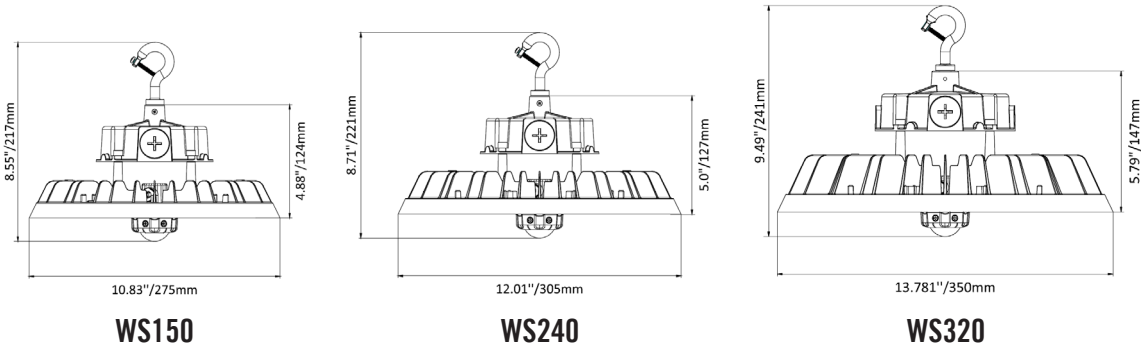
Wattage & Dual CCT Selectable



PERFORMANCE DATA

Series	YHB 150W	YHB 240W	YHB 320W
Wattage Selectable	150W / 100W / 80W	240W / 200W / 150W	320W / 240W / 200W
Dual CCT Selectable	4000K / 5000K	4000K / 5000K	4000K / 5000K
Lumens	(23,250) / (16,350) - (13,550) / (22,650) - (15,950) / (13,200)	(37,450) / (31,800) - (25,300) / (36,240) - (30,800) / (24,500)	(48,320) / (49,900) - (37,900) / (39,100) - (33,100) / (34,150)
Efficacy (LPW)	155LPW / 164LPW - 169LPW / 151LPW - 160LPW / 165LPW	156LPW / 159LPW - 169LPW / 151LPW - 154LPW / 164LPW	151LPW / 156LPW - 158LPW / 163LPW - 166LPW / 171LPW
Beam	Narrow - Medium - (Standard) Wide	Narrow - Medium - (Standard) Wide	Narrow - Medium - (Standard) Wide
Input Voltage	120-277VAC & 480V / 50/60Hz	120-277VAC & 480V / 50/60Hz	120-277VAC & 480V / 50/60Hz
Certifications	UL Listed, FCC, RoHS	UL Listed, FCC, RoHS	UL Listed, FCC, RoHS
Operating Temp.	-13°F to 122°F	-13°F to 122°F	-13°F to 122°F
PF / THD	>0.9, <20%	>0.9, <20%	>0.9, <20%
Dimming	0-10V (10%-100%)	0-10V (10%-100%)	0-10V (10%-100%)

DIMENSIONS



ACCESSORIES (Reflector / Emergency Battery Backup)



PHOTOMETRICS

