

### 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.

Project:	Date
Type:	
Model:	

### 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

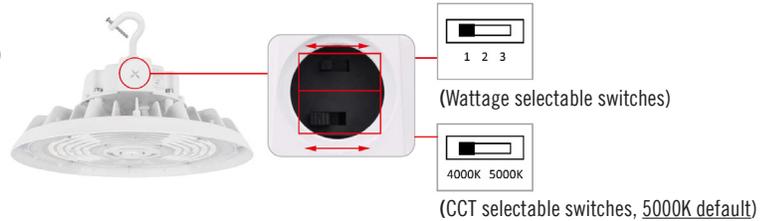
- Optional Microwave sensor or PIR sensor.\*

#### Lifespan

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



### 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	<b>WS150</b> (150W / 100W / 80W)	<b>Y</b> 120-277V	<b>CCTS</b> (4000K / 5000K)	<b>(Blank)</b> Standard no sensor	<b>WH</b> White	<b>(Blank)</b> Standard	<b>(Blank)</b> Standard	<b>(Blank)</b> Standard
	<b>WS240</b> (240W / 200W / 150W)	<b>HV</b> 480V		<b>MS</b> PIR Motion Sensor	<b>BK</b> Black	<b>SC</b> Safety Chain	<b>EB</b> Emergency Battery Back-up	<b>PCR</b> PC Reflector
	<b>WS320</b> (320W / 240W / 200W)							

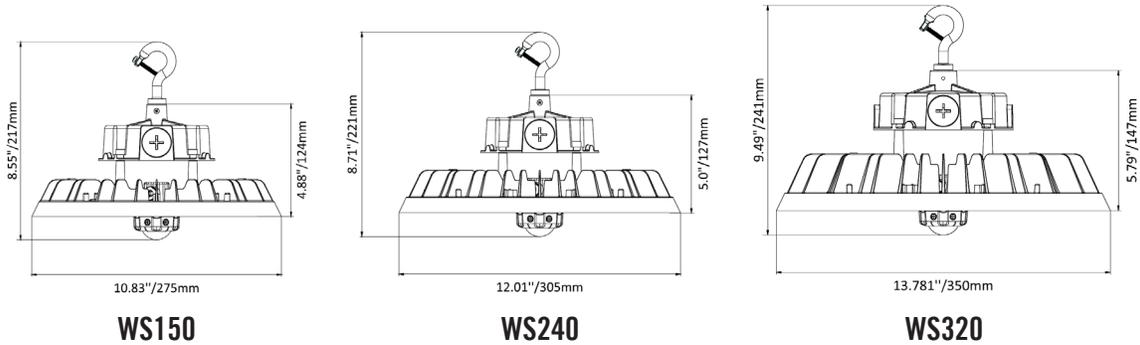
Enter configuration: \_\_\_\_\_

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.

## 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)

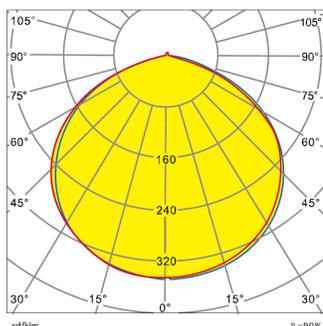


Polycarbonate Reflector

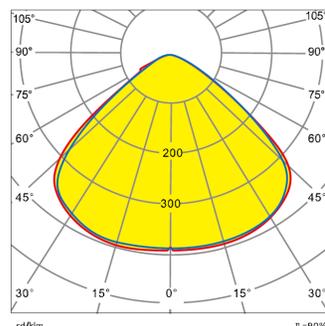


Emergency Battery Backup  
25W / 90min / AC120-277

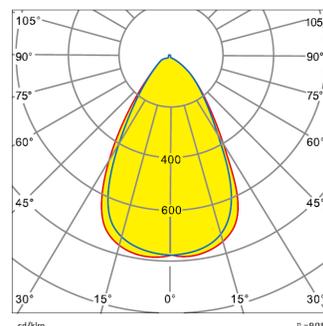
## PHOTOMETRICS



Wide



Medium (Standard)



Narrow