LUMINOSO ®
LED LIGHTING

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 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.
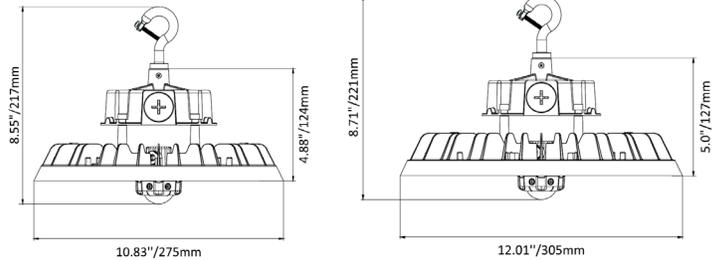
Controls

- Optional Micorwave sensor or PIR sensor.*

Lifespan

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

DIMENSIONS

8.55"/217mm   4.88"/124mm   10.83"/275mm
WS150

8.71"/221mm   5.0"/127mm   12.01"/305mm
WS240

ORDER INFORMATION

EXAMPLE: YHB-WS150-Y-CCTS-WH

DUAL CCT 4000K + 5000K   **POWER SELECTABLE**   **RoHS** COMPLIANT   **80 CRI**   50,000 Hours   LIMITED WARRANTY 5 YEAR   **IP65** Rated   UL CERTIFIED

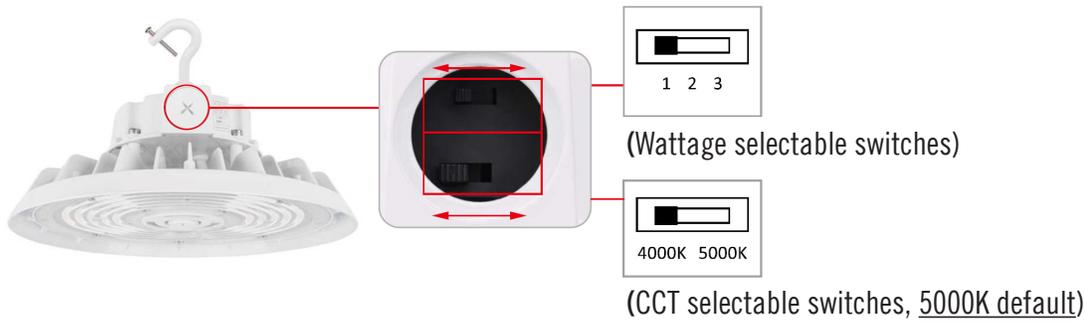| Series	Wattage Selectable	Voltage	CCTS	Motion Sensor	Finish	Safety Chain	Emergency Battery Backup	Reflector
YHB High Bay light	**WS150** (150W / 100W / 80W)	**Y** 120-277V	**CCTS** (4000K / 5000K)	**(Blank)** Standard no sensor	**WH** White	**(Blank)** Standard	**(Blank)** Standard	**(Blank)** Standard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

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

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PERFORMANCE DATA

Series	YHB 150W		YHB 240W	
Wattage Selectable	150W / 100W / 80W		240W / 200W / 150W	
Dual CCT Selectable	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)
Efficacy (LPW)	155LPW / 164LPW / 169LPW	151LPW / 160LPW / 165LPW	156LPW / 159LPW / 169LPW	151LPW / 154LPW / 164LPW
Beam	Narrow - Medium - (Standard) Wide		Narrow - Medium - (Standard) Wide	
Input Voltage	120-277VAC & 480V / 50/60Hz		120-277VAC & 480V / 50/60Hz	
Certifications	UL Listed, FCC, RoHS		UL Listed, FCC, RoHS	
Operating Temp.	-13ºF to 122ºF		-13ºF to 122ºF	
PF / THD	>0.9, <20%		>0.9, <20%	
Dimming	0-10V (10%-100%)		0-10V (10%-100%)	

Wattage & CCT Selectable (Built in switches)

1 2 3

(Wattage selectable switches)

4000K 5000K

(CCT selectable switches, <u>5000K default</u>)

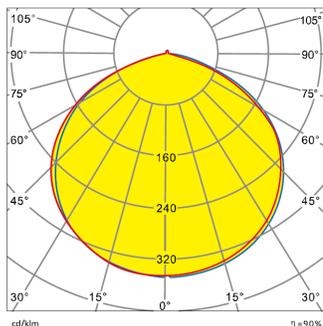## ACCESSORIES (Reflector / Emergency Battery Backup)
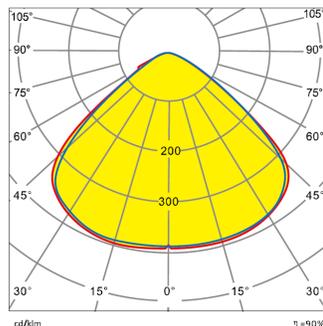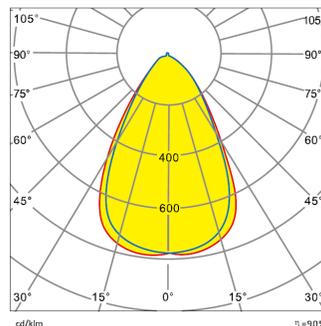

Polycarbonate Reflector

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

PHOTOMETRICS

Wide

Medium (Standard)

Narrow