



## Description

The LWS-LHB linear High Bay fixture is the first of its kind in the Lumecon Workmen Series and delivers the illumination performance to replace conventional lighting systems, such as HID and fluorescent, one-for-one. The unique linear high bay design makes this a perfect energy saving solution for manufacturing, storage, warehousing and other indoor spaces with mounting heights from 10' to 40'.

Catalog Number:

Project:

Comments:

Prepared By:

Date:

## Technical Specifications

**Input Voltage:** 120-277V or 347v-480v

**Lens:** No lens (standard). An opaque diffused acrylic lens is available for applications where glare reduction is needed.

**Mounting:** Fixture mounting options include: Pendant, Surface Mount Brackets, Toggle & Cable, Safety Hook / No Cord, and Safety Hook with 6' Cord.

**NEMA Plug:** Plug offerings are compliant to the standards set forth by the US National Electrical Manufacturers Association (NEMA) and include both straight blade and twist lock options.

**Color Temperature:** 4000K and, 5000K.

**LED Lifetime:** All LED's are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 104°F/40°C.

**Color Rendering Index (CRI):** Minimum of 70 or higher. CRI 80+ or 90+ available upon request.

**Dimming:** 0-10V standard dimming capability.

**Surge Protection:** Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

**Lumecon ETD™ System:** The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

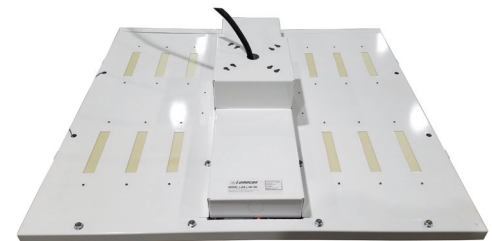
**Manufacturing Origin:** US Manufactured and Assembled.

**Buy American Act:** The product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS, and DOT regulations.

**Warranty:** 10 Year L70 performance based warranty. For full warranty terms, please visit our website: [www.lumecon.com](http://www.lumecon.com)

## Dimensions & Weights

Model	Width	Length	Height (w/ junction box)	Height (w/o junction box)	Weight
LWS-LHB	24.94"	24.06"	4.625"	2.44"	14 lbs.



Schedule

Email: [sales@lumecon.com](mailto:sales@lumecon.com) Website: [www.lumecon.com](http://www.lumecon.com) Phone: 248-477-5009

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Note: Specifications and photometric data are subject to change at any time without notice.

Please see [www.lumecon.com](http://www.lumecon.com) for current specifications and documentation.

## Performance Data

Model	Watts	Equiv	Delivered Lumens	Efficacy
LWS-LHB-250-X-NW	250W	8-LAMP T5HO	35,375 Lm	142 LPW
LWS-LHB-250-D-NW	250W	8-LAMP T5HO	31,633 Lm	127 LPW
LWS-LHB-250-X-CW	250W	8-LAMP T5HO	35,020 Lm	140 LPW
LWS-LHB-250-D-CW	250W	8-LAMP T5HO	31,316 Lm	125 LPW
LWS-LHB-285-X-NW	284W	8-LAMP T5HO	39,298 Lm	139 LPW
LWS-LHB-285-D-NW	282W	8-LAMP T5HO	35,167 Lm	125 LPW
LWS-LHB-285-X-CW	288W	8-LAMP T5HO	39,546 Lm	137 LPW
LWS-LHB-285-D-CW	287W	8-LAMP T5HO	35,301 Lm	123 LPW

## Ordering Information

LWS-LHB - Options / Ordering Example: LWS-LHB-250-D-1-NW-X-X-X-X-X

Wattage	Lens	Voltage	Color Temperature	Mounting Methods	Wire Guard
250 - 250 Watts	X - None	1 - 120-277V	NW - 4000K	X - None	X - None
285 - 285 Watts	D - Diffused	2 - 347-480V	CW - 5000K	P - Pendant SM - Surface Mount TC - Toggle & Cable TC6 - Toggle & Cable / 6' Cord H - Safety Hook / No Cord HC6 - Safety Hook / 6' Cord	WG - Wire Guard

Battery Back-Up	Factory Installed NEMA Plug	Occupancy Sensor
X - None	X - None	X - None
BB - Battery Back-Up	515P - 15 amp 120v Straight Blade Plug L515 - 15 amp 120v Twist Lock Plug L615 - 15 amp 240v Twist Lock Plug L715 - 15 amp 277v Twist Lock Plug <i>*NEMA Plug used with TC6 &amp; HC6 Mounts Only</i>	OC1 - On/Off OC2 - Dim/High

## Options & Accessories

LV - Lutron Vive Attached fixture control<sup>1</sup>

<sup>1</sup> - VIVE is a trademark of Lutron Electronics Co., Inc.

If OCC Sensor Option is selected, mounting height specifications need to be clarified:

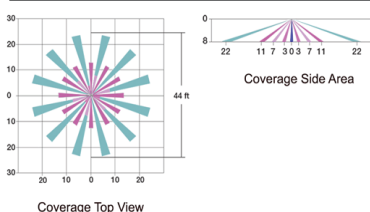
☐ Mounting height between 0' - 10'

☐ Mounting height between 10' - 40'

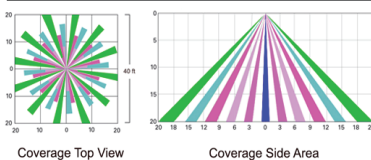
☐ Mounting height over 40'+

## OCC Sensor Patterns

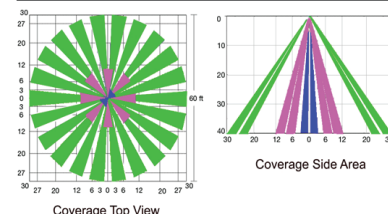
0' - 10' Mounting Height



10' - 40' Mounting Height



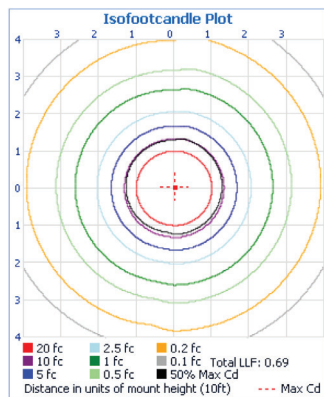
40' + Mounting Height



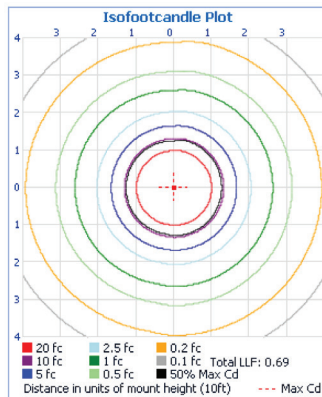
## Photometric Data

For .ies files of this product, please visit the downloads tabs on the LWS-LHB product page: <http://lumecon.com/products/lws-hb/>

LWS-LHB-285-D-CW



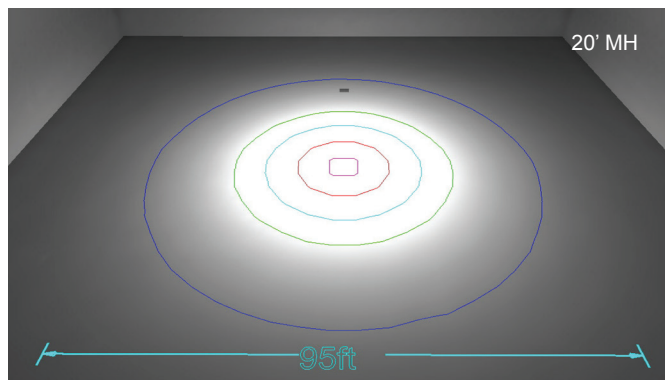
LWS-LHB-285-D-NW



## Photometric Illustration

For .ies files of this product, please visit the downloads tabs on the LWS-LHB product page: <http://lumecon.com/products/lws-hb/>

LWS-LHB2-285



**Performance Data**

Electrical Load Data			AC Current Load (A)			
Fixture Model	Drive Current (mA)	System Watts (W)	120V	208V	240V	277V
LWS - LHB - 250	147	250.0	2.31	1.34	1.16	1.00
LWS - LHB - 285	172	286.1	2.65	1.53	1.32	1.15

**Lumen Maintenance**

Data in the table below references projected performance in a 25°C ambient and is based on 10,000 hours of LED testing. Performance data has been tested per IESNA LM-80-08 and projected per IESNA TM-21-11.

Use the lumen maintenance factor that corresponds to the desired number of operating hours below to calculate LLF.

Lumen Maintenance Factors @ 25°C, by hours:					
Fixture Model	0	25,000	50,000	70,000	100,000
LWS - LHB - 250	1.0	0.92	0.83	0.76	0.67
LWS - LHB - 285	1.0	0.92	0.83	0.76	0.67