



Catalog Number:	
Project:	
Comments:	
Prepared By:	Date:

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'.

Technical Specifications

Input Voltage: 120-277V

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 NW (standard), 5000K CW. All LED's are rated for a minimum of 90,000 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.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets IEEE/ANSI C62.41.2 guidelines for "C High exposure." 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.

DesignLights Consortium® (DLC) Qualified Product: The 4000K NW and 5000K CW are DLC® Qualified. Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

Certification Data: ETL Listed to UL 1598, UL 8750 and CSA 22.2 No. 250 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, ETL Listing to UL1598 and UL 8750 and Lighting Facts.

Manufacturing Origin: US Manufactured and Assembled.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

Performance Data

Model	Watts	Equiv	Delivered Lumens	Efficacy
LWS-LHB-120-X-NW	120W	4-LAMP T5HO, 6-LAMP T8, 400W HID	17,596 Lm	147 LPW
LWS-LHB-120-D-NW	120W	4-LAMP T5HO, 6-LAMP T8, 400W HID	15,927 Lm	133 LPW
LWS-LHB-120-X-CW	121W	4-LAMP T5HO, 6-LAMP T8, 400W HID	17,473 Lm	145 LPW
LWS-LHB-120-D-CW	120W	4-LAMP T5HO, 6-LAMP T8, 400W HID	15,851 Lm	131 LPW
LWS-LHB-150-X-NW	150W	4-LAMP T5HO, 6-LAMP T8, 400W HID	21,113 Lm	141 LPW
LWS-LHB-150-D-NW	148W	4-LAMP T5HO, 6-LAMP T8, 400W HID	19,283 Lm	130 LPW
LWS-LHB-150-X-CW	151W	4-LAMP T5HO, 6-LAMP T8, 400W HID	21,338 Lm	141 LPW
LWS-LHB-150-D-CW	149W	4-LAMP T5HO, 6-LAMP T8, 400W HID	19,193 Lm	129 LPW
LWS-LHB-190-X-NW	187W	6-LAMP T5HO, 8-LAMP T8	27,185 Lm	145 LPW
LWS-LHB-190-D-NW	187W	6-LAMP T5HO, 8-LAMP T8	24,267 Lm	130 LPW
LWS-LHB-190-X-CW	187W	6-LAMP T5HO, 8-LAMP T8	26,913 Lm	144 LPW
LWS-LHB-190-D-CW	187W	6-LAMP T5HO, 8-LAMP T8	24,023 Lm	129 LPW
LWS-LHB-250-X-NW	250W	8-LAMP T5HO	35,375 Lm	141 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	286W	8-LAMP T5HO	35,301 Lm	123 LPW



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Ordering Information

LWS-LHB - Options / Ordering Example: LWS-LHB-120-D-1-NW-X-X-X-X-X

WATTAGE	LENS	VOLTAGE	COLOR TEMPERATURE	MOUNTING METHODS
120 - 120 Watts	X - None	1 - 120v - 277v	NW - Neutral	X - None
150 - 150 Watts	D - Diffused		CW - Cool	P - Pendant
190 - 190 Watts				SM - Surface Mount
250 - 250 Watts				TC - Toggle & Cable
285 - 285 Watts				TC6 - Toggle & Cable / 6' Cord
				H - Safety Hook / No Cord
				HC6 - Safety Hook / 6' Cord

WIRE GUARD	BATTERY BACK-UP	FACTORY INSTALLED NEMA PLUG	CONTROLS/OCC SENSOR
X - None	X - None	X - None	X - None
WG - Wire Guard	BB - Battery Back - Up	515P - 15 amp 120V Straight Blade Plug	OC1 - On/Off
		L515 - 15 amp 120V Twist Lock Plug	OC3 - Dim/High Occupancy
		L615 - 15 amp 240V Twist Lock Plug	
		L715 - 15 amp 277V Twist Lock Plug	
		<i>*NEMA Plug used with TC6 & HC6 Mounts Only</i>	

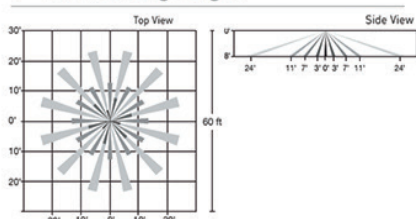
If OCC Sensor Option is selected, mounting height specifications need to be clarified:

- Mounting height between 0' - 10'
- Mounting height between 10' - 40'
- Mounting height over 40'+

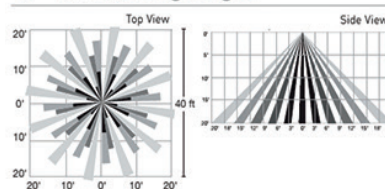
OCC Sensor Patterns

Coverage Patterns

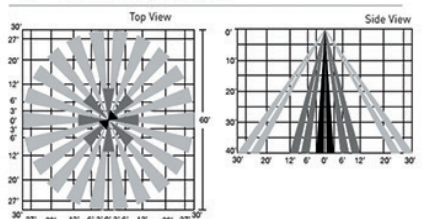
0' - 10' Mounting Height



10' - 40' Mounting Height



40'+ Mounting Height



Dimensions & Weights

Model	Width	Length	Height (w/ junction box)	Height (w/o junction box)	Weight
LWS-LHB-120	24.94"	24.06"	4.625"	2.44"	11 lbs.
LWS-LHB-150	24.94"	24.06"	4.625"	2.44"	11 lbs.
LWS-LHB-190	24.94"	24.06"	4.625"	2.44"	12 lbs.
LWS-LHB-250	24.94"	24.06"	4.625"	2.44"	14 lbs.
LWS-LHB-285	24.94"	24.06"	4.625"	2.44"	14 lbs.

