Project		**Catalog #**		**Type**	
Prepared by		**Notes**		**Date**	



Metalux

LHBS Selectable

CCT and Lumen Select Lensed High Bay

Typical Applications

• Industrial • Manufacturing • Gymnasium • Warehouse

Interactive Menu

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Product Certification

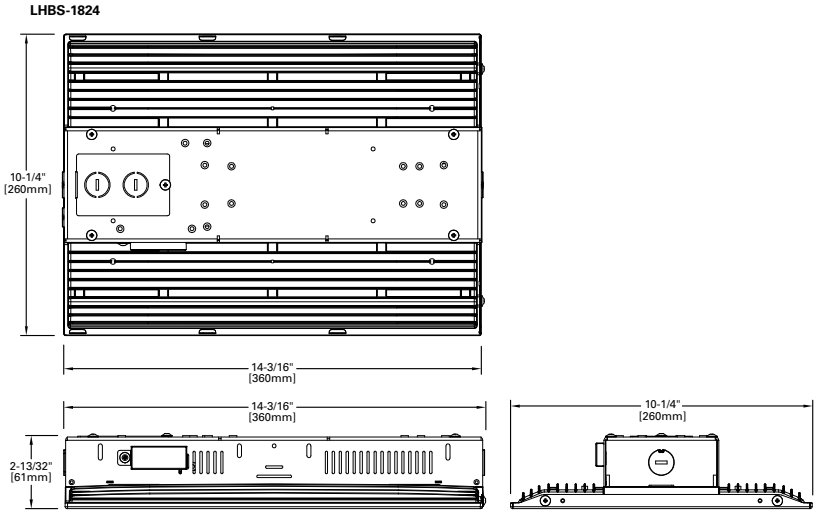
Product Features

Top Product Features

- Up to 24,000 lumen output at min 80 CRI
- (2) Lumen and CCT Select external switches with lock-out cover
- Standard diffused lens for added protection and glare control
- High performance efficacy up to 160 lm/W
- Efficient 1-for-1 replacement of linear fluorescent and HID fixtures
- Sensor and emergency options available
- Impact protection rating IK10 Lens and IK09 Housing

Dimensional Details

LHBS-1824



additional product diagrams

Order Information

SAMPLE ORDER NUMBER: **LHBS-1824-UNV-L84050-U** Includes V Hangers and (2) 36" pieces of chain for rapid installation

Series (1)	LED Lumen Output	Lens/Optic (2)	Voltage	CCT	Driver Type	Options	Packaging
LHBS=Linear Lensed High Bay Selectable	**1824**=18K and 24K Select	**[Blank]**=Diffused Lens	**UNV**=Universal Voltage 120-277	**L84050**=4000K and 5000K CCT select	**[Blank]**=0-10V Dimming Driver	**EL20W-REM**=EM pack, remote installation, 20W (3) **C6**=6' cord, 18/3, white **C12**=12' cord, 18/3, white **PC6/277**=6' white cord, 18/3, with 277V, 15A NEMA twist-lock plug **PC12/277**=12' white cord, 18/3, with 277V, 15A NEMA twist-lock plug **MS**=Motion Sensor (360° or 180°), No Photocell , 8'-40' Mounting Height **WLS4**=WaveLinx LITE Wireless Integrated Sensor, 15'–40' Mounting Height (2)	**U**=Unit Pack
Notes (1) DesignLights Consortium® Qualified and classified for DLC Premium, refer to www.designlights.org for details.						**Notes** (2) WaveLinx LITE devices are not currently compatible with the WaveLinx PRO Wireless Area Controller. (3) Emergency option rated for 0°C to 55°C (32°F to 131°F) ambient.	

Accessories (order separately)
Loop-__=Single loop toggle, No 2. (Specify 10 or 30 foot length) (5)
Notes (4) Rigid mount not recommended for use in gymnasiums. (5) Single Loop, Order two per fixture. Use in conjunction with included V-hook.

Product Specifications

Construction
- Diecast construction with center driver housing for added durability and thermal control
- Impact protection rating IK10 Lens and IK09 Housing

Electrical
- Long-life LED system with electrical driver for optimal performance
- Two CCT select option available at ≥ 80CRI in 4000K or 5000K
- Lumen select option available in full, or low brightness, see performance table and ordering logic
- LHBS operates at ambient temps of -20°C to 50°C when suspended 18 inches from ceiling. (Reference ambient chart for other operating temperatures)
- Default CCT/Lumen setting is 4000K and high power
- LHBS plus Emergency battery only rated for 0°C to 50°C ambient

Optics
- Diffused lens provides added protection and glare control

Mounting
- V-hook and chain set included for making LHBS ideally suited for suspension mount
- Accessories available for different mounting options

Emergency
- 120-277V emergency 20W battery pack
- Constant power to the LED system for controlled, predictable discharge
- Integrated test switch/indicator light visible from floor
- Min. 90-minute backup period for code compliance
- Remote mounted lithium battery installed in field. Factory installed option available.
- Battery meets CEC Title 20 (California Energy Commission) efficiency standards.
- Batteries mounted externally to LHBS will have different operating temps than standard LHBS product. Refer to battery specifications for operating temps (0°C to 55°C / 32°F to 131°F).

Controls
- Integral occupancy sensor, 600 sqft up to 1250 sqft of coverage for occupancy sensing and daylight harvesting
- 360° or 180° lens available with motion sensor
- Integrated Wavelinx Wireless Sensor option provides 1200 sq. ft. coverage, up to 40' MH

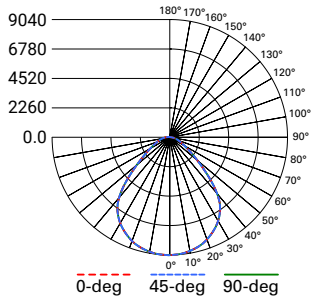
WaveLinx LITE devices are not currently compatible with the WaveLinx PRO Wireless Area Controller

Finish
- Standard white polyester powder coat finish painted after fabrication for increased durability and rust inhibition

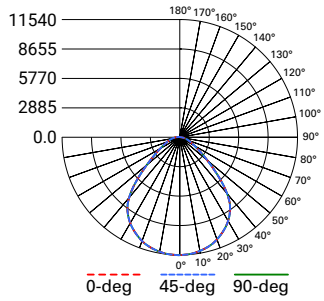
Compliance
- cULus Listed for damp locations
- Complies with IESNA LM-79 and LM-80 standards
- Qualifies as State of California Title 24 non-residential high efficiency luminaire
- FCC part 15 class A compliant
- DesignLights Consortium® Qualified and classified for DLC Standard and DLC Premium (refer to www.designlights.org)

Photometric Data

View IES files



LHBS-1824-UNV-L84050
Electronic Driver
Linear LED 5000K
Spacing criterion: (II) 1.24 x mounting height, (⊥) 1.24 x mounting height
Lumens: 18789
Input Watts: 119.2W
Efficacy: 157.6 lm/W
Test Report: LHBS-1824-UNV-L84050 (18K LUMEN 5000K CCT SETTINGS)



LHBS-1824-UNV-L84050
Electronic Driver
Linear LED 5000K
Spacing criterion: (II) 1.24 x mounting height, (⊥) 1.24 x mounting height
Lumens: 23984
Input Watts: 159.1W
Efficacy: 150.7 lm/W
Test Report: LHBS-1824-UNV-L84050 (24K LUMEN 5000K CCT SETTINGS)

Energy and Performance Data

Default CCT/Lumen position: 4000K / High Power

Catalog Number	UPC	Voltage	Lumen Setting	Nominal CCT	CRI	Nominal Lumens	120V Watts	120V Efficacy (lm/W)	277V Watts	277V Efficacy (lm/W)
LHBS-1824-UNV-L84050-U	080083275625	120-277V	Low	4000K	84	18880	119	159	118	160
				5000K	83	18789	119	158	118	159
			High	4000K	84	24153	156	155	153	158
				5000K	83	23984	159	151	156	154

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (Hours)
25°C	> 87%	> 154,000

Shipping Data

Catalog No.	Wt.
LHBS-1824	4.5 lbs.

Ambient Ratings

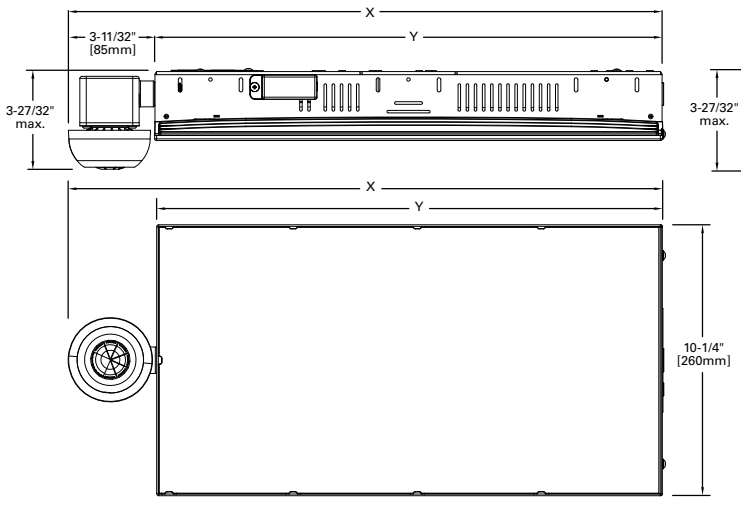
Lumen Package	Ambient Rating	LHBS-SMK
LHBS-1824	50°C	45°C

IK Rating

LHBS	IK Rating
Lens	IK10
Housing	IK09

Dimensional and Mounting Details

LHBS with ZW-SWPD3 Sensor



Dimensions

Catalog No.	X	Y
LHBS-1824 (1)	17-1/2"	14-3/16"

Note: (1) External control module adds to product length.

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Specifications and dimensions subject to change without notice.