

LHB-DCH LED Diecast Linear High Bay



Product Highlights

- 150 lm/w efficacy
- Adjustable color temperature and wattage options
- 0-10V dim-off +12v auxiliary power for accessories
- Compatible with Jarvis Link networked lighting control systems
- Z10 Ready
- 10 Year Warranty

Jarvis LHB-DCH Series

Z10 accessory ready

Durable, compact and lightweight housing build from die-cast aluminum

Designed with integrated thermal management for increased fixture longevity

Competitors' Products

Limited sensor options available and difficult to install

Increased installation time and costs due to large and bulky housing

Fixture runs at a higher operating temperature increasing wear on electrical components, reducing fixture's lifetime



www.jarvislighting.com



(800) 363-1075





Ordering Guide: Example: LHB-DCH-24ML45-40K/50K-Z10R

Product Family	Lumen Output / Wattage	CCT	Voltage	Dimming/Control
LHB-DCH Diecast Linear High Bay	12ML18 - 12,000 lm / 80W (Selectable)* 15,000 lm / 100W 18,000 lm / 120W 18ML24 - 18,000 lm / 120W (Selectable)* 21,000 lm / 140W 24,000 lm / 160W 24ML33 - 24,750 lm / 160W (Selectable)** 28,500 lm / 190W 33,000 lm / 220W 30ML37 - 30,000 lm / 200W (Selectable)** 33,750 lm / 225W 37,500 lm / 250W 24ML45 - 24,000 lm / 160W (Selectable)*** 33,750 lm / 225W 45,000 lm / 300W	40K/50K - 4000K/5000K Selectable CCT	[Blank] - 120-277V HV - 277-480V	Z10R - Z10 Ready

Variants in blue are typically quick ship items. Other variants are typically special order with longer lead time.

*Only available for 1'x1.6' models

**Only available for 1'x1.8' models

***Only available for 1'x2' models

Additional Field Installed Accessories:

Catalog #	Description
JL-Z10-SPM-INT-WHT	Jarvis Link Z10 Interior Bluetooth PIR Motion Sensor + Photocell (White Color) - 40ft Max Mounting Height*
JL-Z10-WCM-WHT	Jarvis Link Z10 Bluetooth Wireless Control Module (White Color)*
JL-Z10-WCM-BLK	Jarvis Link Z10 Bluetooth Wireless Control Module (Black Color)*
S-Z10-SPM-EXT-WHT-V1	Remote Programmable PIR Z10 Motion Sensor + Photocell (White Color) - 40ft Max Mounting Height
LHB-DCH-AC-PM1	Pendant Mount Box for LHB-DCH
LHB-DCH-AC-SM1	Surface Mount Kit for LHB-DCH
LHB-DCH-AC-BBK-1	20W Emergency Battery Backup Kit
LHB-DCH-A-AC-WG1	Wire Guard

*Jarvis Link System requires prior training with Jarvis representative



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Electrical

Input Voltage: 120-277V or 277-480V, 50/60Hz

Power Factor: >.9 at full load

Total Harmonic Distortion: <20% full load

Includes over voltage protection, overcurrent protection, and short circuit protection.

Operating Temperature Range: -40°C to 50° C Ambient (-40°F to 122°F)

Controls and Dimming

LHB-DCH series features a power supply capable of providing 0-10V dimming and 12VDC auxiliary output power for a variety of accessories.

LHB-DCH models feature a dim-to-off driver and are compatible with networked lighting control systems. These systems allow the lights to communicate with each other via Bluetooth® signal. Systems are typically capable of grouping, controlling and dimming lights through a number of methods including motion sensors, photo sensors, schedules, manual Bluetooth switches and more.

All LHB-DCH models are compatible with Jarvis Lighting's PhotoMotion™ sensors. Both Microwave or PIR PhotoMotionTM sensors are available. PhotoMotion™ sensors provide multi-level control based on both motion and/or ambient natural lighting levels and can be custom programmed via remote control.

The LHB-DCH Series is also compatible with many other photo sensors and motion sensor systems. Contact a Jarvis representative for more information.





DLC Product ID and Specifications

Jarvis Model #	DLC Product ID	Input	Lumens	Wattage	CCT	CRI	PF
LHB-DCH-12ML18-40K/50K-Z10R	Pending	120-277V 50/60Hz	12,000 / 15,000 / 18,000 lm	80W / 100W / 120W	4000K / 5000K	≥ 80	≥ 0.9
LHB-DCH-18ML24-40K/50K-Z10R	Pending	120-277V 50/60Hz	18,000 / 21,000 / 24,000 lm	120W / 140W / 160W	4000K / 5000K	≥ 80	≥ 0.9
LHB-DCH-24ML33-40K/50K-Z10R	Pending	120-277V 50/60Hz	24,000 / 28,500 / 33,000 lm	160W / 190W / 220W	4000K / 5000K	≥ 80	≥ 0.9
LHB-DCH-30ML37-40K/50K-Z10R	Pending	120-277V 50/60Hz	30,000 / 33,750 / 37,500 lm	200W / 225W / 250W	4000K / 5000K	≥ 80	≥ 0.9
LHB-DCH-24ML45-40K/50K-Z10R	S-ZQPJ4L	120-277V 50/60Hz	24,000 / 33,750 / 45,000 lm	160W / 225W / 300W	4000K / 5000K	≥ 80	≥ 0.9
LHB-DCH-12ML18-40K/50K-HV-Z10R	Pending	277-480V 50/60Hz	12,000 / 15,000 / 18,000 lm	80W / 100W / 120W	4000K / 5000K	≥ 80	≥ 0.9
LHB-DCH-18ML24-40K/50K-HV-Z10R	Pending	277-480V 50/60Hz	18,000 / 21,000 / 24,000 lm	120W / 140W / 160W	4000K / 5000K	≥ 80	≥ 0.9
LHB-DCH-24ML33-40K/50K-HV-Z10R	Pending	277-480V 50/60Hz	24,000 / 28,500 / 33,000 lm	160W / 190W / 220W	4000K / 5000K	≥ 80	≥ 0.9
LHB-DCH-30ML37-40K/50K-HV-Z10R	Pending	277-480V 50/60Hz	30,000 / 33,750 / 37,500 lm	200W / 225W / 250W	4000K / 5000K	≥ 80	≥ 0.9
LHB-DCH-24ML45-40K/50K-HV-Z10R	S-8P7JZ5	277-480V 50/60Hz	24,000 / 33,750 / 45,000 lm	160W / 225W / 300W	4000K / 5000K	≥ 80	≥ 0.9

Factory default setting listed in bold





Construction and Materials

Housing is constructed from die-cast aluminum.

Rear driver compartment is constructed of pre-painted SPCC steel.

Die-cast housing features a powdercoat finish. Powdercoat finish is applied directly to aluminum housing and will not crack or peel. Default color is white. Custom colors are available. Contact factory for additional color information.

Lens construction is a UV, impact, and shatter resistant frosted acrylic with glare reduction optics and a 90° beam angle.

LEDs are reflow soldered to a metal core circuit board, providing greater thermal transfer than standard circuit board materials. The LED circuit board is secured to fixture body by utilizing both stainless steel fasteners and thermally conductive silicone to further increase thermal transfer and improve performance.

Luminaire's construction contains zero mercury.

Regulatory and Voluntary Qualifications

UL listed to UL1598 and UL8750 for both US and Canada.

State of California Title 24 Compliant when installed in accordance with local requirements.

DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Rated for Dry and Damp Locations.

Warranty and Lifetime

LHB-DCH Series carries a 10-year limited warranty. Contact Jarvis representative for details.

Projected LED lifetime exceeds 50,000 hours under most operating conditions. Lifetime projections are calculated using data including LM-79, LM-80 and TM-21 calculations. Contact Jarvis representative for details.





Installation

Luminaire can be installed via an included adjustable length steel cable and V-hook for suspension mounting. Luminaire can also be installed via a pendant mount or junction box surface mount. Pendant or junction box mounting requires separately ordered accessory kit. Luminaire features 7" input power and dimming wire leads accessible outside the luminaire for each of the installation connections.

During installation the color temperature and wattage of LHB-DCH fixtures can be changed via 2 switches located inside the rear driver compartment. When installing Z10 compatible accessories, the receptacle cover cap must first be removed. Z10 compatible accessories must be inserted and rotated until locked into place on the receptacle.

Contact a Jarvis Representative for full installation instructions, videos or additional information.

Photometrics

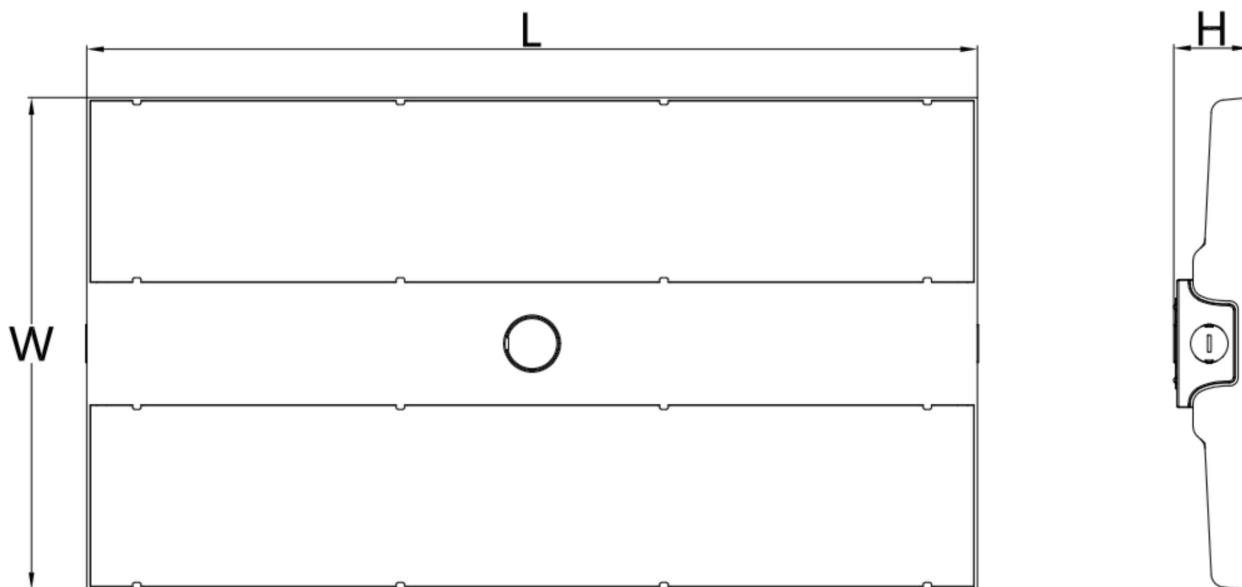
Photometric information, including LM-79 reports and .IES files are available for most models at www.jarvislighting.com. Site photometrics and lighting layouts are available. Contact a Jarvis representative.



Product Net Weight:

Model	Net Weight
LHB-DCH-12ML18 / LHB-DCH-18ML24	3.5 lbs
LHB-DCH-24ML33 / LHB-DCH-30ML37	5.1 lbs
LHB-DCH-24ML45	7.2 lbs

Dimensions:



Model	Length	Width	Height
LHB-DCH-12ML18 / LHB-DCH-18ML24	16.4"	11.2"	1.8"
LHB-DCH-24ML33 / LHB-DCH-30ML37	20"	12.2"	1.8"
LHB-DCH-24ML45	23.7"	13.1"	1.8"



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