

lampar**ARCH**

LLHB | Apollo

Product Data Sheet

COMMERCIAL-GRADE

Linear LED High-Bay


2FT | 110W — 160W
4FT | 255W — 400W

Product Overview

The lampar**ARCH** LLHB Apollo-series luminaire is engineered to replace traditional fluorescent or metal halide highbays with emphasis on optimizing performance in a compact, easy to manage package.

Manufactured with longevity and versatility in mind, LLHB-series replaces up to 2,000W MH and has a LED rated life of 100,000 hours making it reliable for mounting onto ceilings in suspended or mounted environments.

The Apollo is also versatile and easy to install. It can be mounted in suspended or mounted environments, and is compatible with a variety of control systems.

ARCHIPELAGO luminaires and LED components has been tested by independent laboratory in accordance to IESNA LM79 and LM80. LED color temperature is warranted to shift no more than 180K over the standard warranty period. Furthermore, the range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Product Warranty*



7-Year Warranty



75,000 Hrs

* Standard warranty. Extended warranty available.

Applications



Warehouse



Gym



Industrial



Retail

Main Features

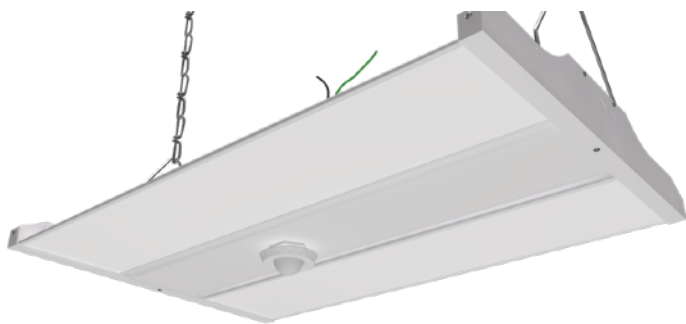
- Thermally isolated driver design with 0-10V dimming
- Die-cast aluminum for superior thermal performance and structural integrity
- Compact design weighs less, minimizes installation time, and performs at the highest levels as a full-sized linear high bay
- Advanced lensing meets DLCv5.1 standard for Unified Glare Rating (UGR)
- Eco-friendly contractor packaging reduces packaging waste
- Standard suspend mounting hardware (included)
- 70% lumen maintenance at >100,000 hours
- Advanced driver is rated for AC97-305VIn
- Suitable for use in -40°F to 131°F

Archipelago Lighting, Inc.

| **Headquarter:** 4615 State Street, Montclair, CA 91763

| **USA Production:** 9345 Sycamore Canyon Blvd, Riverside, CA 92508

Contact Us



CCTselect:
3500K | 4000K | 5000K

Project Details

Project Name:

Fixture Schedule:

Project Number:

Notes:

Highlights

Features		Description
3-WATTselect		Wattage selectable: 3-way dip-switch
2-CCTselect		CCT selectable: 2-way dip-switch
blueARCH™ Controls		SIG-qualified Bluetooth Mesh lighting control solution. Technology by Silvair.
High Performance		Up to 400W, replacing up to 2,000W MH
Standard Extended Warranty		Up to 7-Year, 75,000 Hrs

Key Specifications

- **Dimming:** 0-10V
- **Efficacy:** <143lm/W
- **Input Voltage:** 120-277V
- **IP:** IP40 Indoor Damp Location
- **Power Factor (PF):** >0.9 Non-Flicker
- **Total Harmonic Distortion (THD):** <15%
- **Dimming Status:** Continuous Dimming <10%
- **Color Rendering Index (CRI):** >80
- **Housing:** Die-Casting Aluminum

Certifications



Model Specifications

Model	Watt (W)	Lumen (lm)	Efficacy (lm/W)	Voltage (V)	3-CCTselect	Replaces
LLHB2110	110W	14,740lm	134lm/W	120-277V	3500K 4000K 5000K	400W MH
LLHB2130	130W	16,640lm	128lm/W			400W MH
LLHB2160	160W	19,200lm	120lm/W			800W MH
LLHB4255	255W	33,150lm	130lm/W			1300W MH
LLHB4300	300W	36,600lm	122lm/W			1500W MH
LLHB4400	400W	48,800lm	122lm/W			2000W MH

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www.archipelagolighting.com

+1 (866) 912-3220

Suspension S-Hook Cables

Suspended mount S-hook cables comes standard on every fixture.

Housing

Advanced thermal management anti-rust steel frame with white coat finish. Suitable for suspended pendent and surface mount.

Threaded Conduit

Support threaded throughput wires from conduit holes for easier end-to-end wiring connections.

Optional PIR Motion Sensor

Optional motion sensor allows for security and energy savings.

Optional Emergency Driver

Operate for up to 90min w/ out line-voltage power.

CCTselect Dip-Switch

Switch between 3500K, 4000K, or 5000K right on the luminaire itself.

Ordering Guide

Model Series	Length (FT)	Watt (W)	CCT (K)	Voltage (V)
LLHB (LED Linear High-Bay)	2 2FT	110 110W 130 130W 160 160W	-xx CCTselect: 3500K 4000K 5000K	-U2 120-277V
	4 4FT	255 255W 300 300W 400 400W		

1. Standard fixture is in 120-277V

2. When used in 480V environment, fixture shall be paired with an appropriate step-down transformer for easy field-installation. See Optional Accessories for reference.

Optional Accessories

(1) EM Driver	(2) Sensors	(3) Step-Down Transformer	(4) Wire Guard	(5) Mounts
/EM20 EM20-CMB/260	/NLC MSM-SDI/54/NLC /BLS MSM-SDI/54/BLS	/325 SDT-HTO/325	/WG2 LLHB-A/WG2 /WG4 LLHB-A/WG4	/JBL LLHB-A/JBL

Choose your model specifications:

LLHB	4	255	-xx	-U2	/EM20	/NLC	/325	/WG400	/SPM
Model Series	Length	Watt	CCT	Voltage	(1) EM	(2) Sensor	(3) Step-Down	(4) Wire Guard	(5) Mounts

Ordering number example:

LLHB4255-xx-U2/EM20/BLS/325/WG4/JBL

Please place dashes (-) in correct order.

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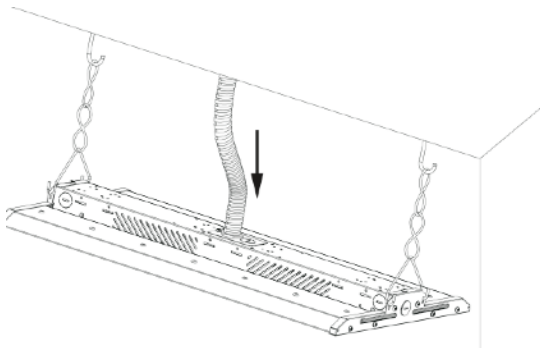
| **USA Production:** 9345 Sycamore Canyon Blvd, Riverside, CA 92508

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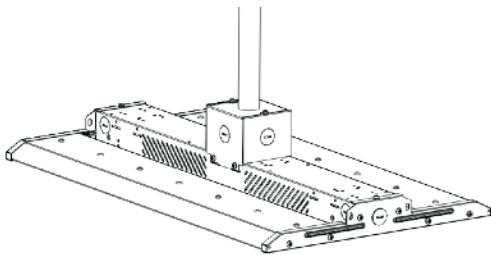
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Mounting Options *Default | **Optional



Steel Hook Suspend Mount*

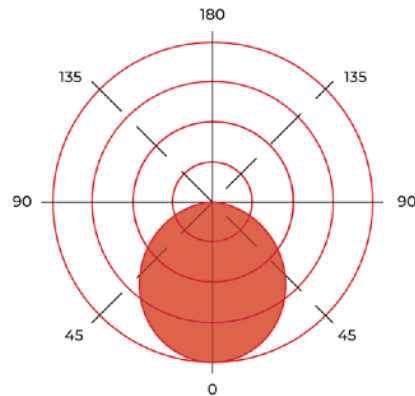


Conduit Pendant Mount**

DLC Model Guide

Product ID	Model No.	DLC	Controls	Lumen	Efficacy	CCT	THD	PF
S-0CMT3P	LLHB2110-xx-U2	Standard	Yes	14,520LM	132 lm/W	3500K — 5000K	15%	0.9
S-NZJF80	LLHB2130-xx-U2	Standard	Yes	16,640LM	128 lm/W	3500K — 5000K	15%	0.9
S-9P46O3	LLHB2160-xx-U2	Standard	Yes	21,120LM	132 lm/W	3500K — 5000K	15%	0.9
S-JNFVIW	LLHB4255-xx-U2	Standard	Yes	33,150LM	130 lm/W	3500K — 5000K	15%	0.9
S-0ULZFV	LLHB4300-xx-U2	Standard	Yes	36,600LM	122 lm/W	3500K — 5000K	15%	0.9
S-4K6UBZ	LLHB4400-xx-U2	Standard	Yes	48,800LM	122 lm/W	3500K — 5000K	15%	0.9

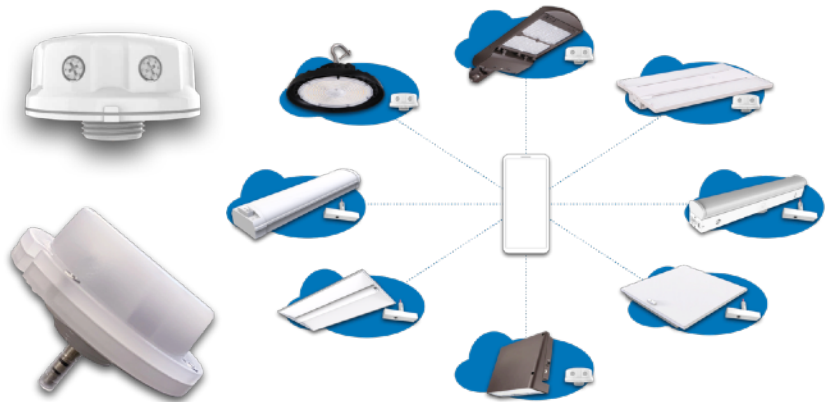
Photometric



General

Beam Angle: 90°
Spacing Criterion:
1.10

blueARCH → enABLED

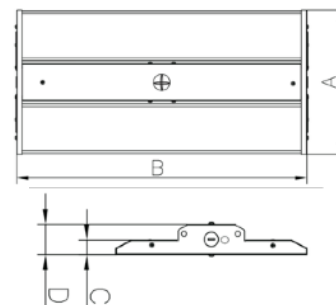


SIG-qualified Bluetooth Mesh lighting control solution. Technology by SILVAIR.













Sizing & Measurements

Dimension (FT)	Width (in)	Length (in)	Depth (in)	Weight (lb)
2FT	15.00	25.00	1.87	6.6
4FT	15.00	46.50	2.17	11.1



Compatible Accessories

Category	Model No.		Sub-Assembly & Compatible Controllers
480V Stepdown Transformer		SDT-HTO/325	
EM Driver		EM08-2BN EM15-2BN EM30-1BH	
Mount / Pendant Kit		LLHB-A/JBL	
Sensor / NLC Compliant		MSM-SBR1	blueARCH™ Controls Technology by SILVAIR 
Sensor / Bi-Level Sensor		MSM-SR1	RM-DMS-S1 Controller 
Wire / Cord Extended Length / 6FT		91603 92056 92065	
Wire / Electrical Whip			
Wire / Plug / NEMA L7-15P			
Wire Guard		LLHB-AWG2 LLHB-AWG4	