

LHB1 Series

Linear High Bay Series LED Luminaire

Product Description

LHB1 Modular, Industrial Grade Linear High Bay Series is designed for professional grade applications and features a traditional linear layout with innovative advancements and state of the art high density LED technology. A precisely engineered synergy of passive cooling and active light creation for optimal performance with an industrial look.

Modules can be securely bolted together for an "industrially sturdy", high lumen integrated fixture. Because each module has a dedicated driver, there is system redundancy should one driver or module fail.

Applications: Large warehouse, hangers, large manufacturing and convention centers.

Product Performance

- Wattage: 195W per module
- Lumens: 24,000 per module
- Input Voltage: 120-277VAC, 277-480VAC available
- CCT: 3000K, 4000K or 5000K
- CRI: Minimum 70 CRI, 80 CRI available
- Dimming: Standard 0-10V
- IP65 rated light engine
- Suspended cable mount included
- Battery backup available in either integrated or remote configurations
- Optional occupancy sensor available
- UL1598 Compliant
- DesignLights Consortium® Qualified Product
- 5 year Warranty



Three module configuration with sensor



Single module configuration with sensor options



Three module configuration with sensor, uplight and battery backup options

Ordering Guide

Example: LHB1-DP24050K7-WH-RBB1

LHB1-	XX	XX	XXK	XX	-XX
Product Series	Distribution	Lumen Output Type	CCT Code	Voltage	Fixture Color
LHB1	DP - Diffused Canopy	240 - 24,000 Lumens, 195W	30K8 - 3000K, 80 CRI 40K7 - 4000K, 70 CRI 50K7 - 5000K, 70 CRI	(Blank) - 120-277V UH - 277-480V	WH - White

Options

OCC - Occupancy Sensor

BB1¹ - Integral Battery Backup, 1200 Lumens, 90 Minutes Illumination

See [RBB spec on page 3](#) for Remote Battery Backup¹

UC - Uplight Component

¹ All battery backup configurations will be 5000K CCT and have a CRI of 70 in emergency mode

Product Specifications

Construction & Materials

- Powder Coated Aluminum Housing
- UV Stabilized Polycarbonate Lens
- Robust low profile design with active thermal management

Optical System

- DP Lens - Type V Low Glare Medium Canopy Lens

Electrical System

- Input Voltage: 120-277VAC
- Power Factor: > 0.9
- Total Harmonic Distortion: <20%
- Operating Temperature Range: -40°C to 60°C
- Standard Surge Suppression: 10Kv

Testing & Certifications

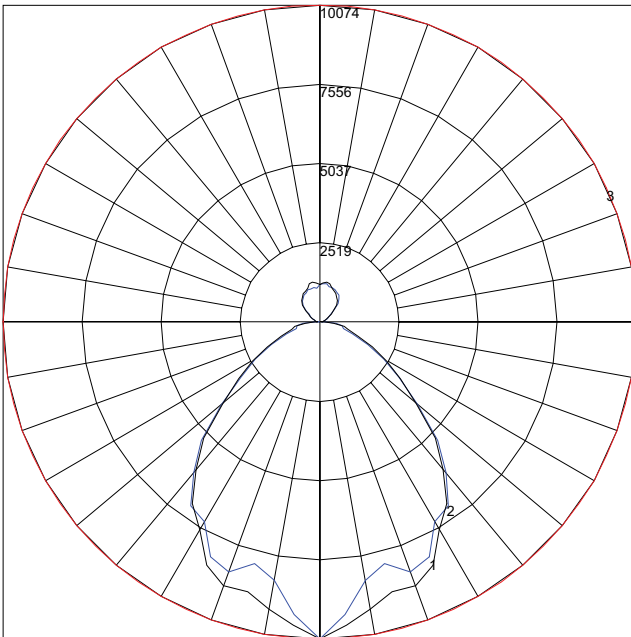
- UL1598, CSA STD.22.2 compliant
- Suitable for Wet Locations
- RoHS Compliant
- DesignLights Consortium® Qualified Product

Lumen Maintenance

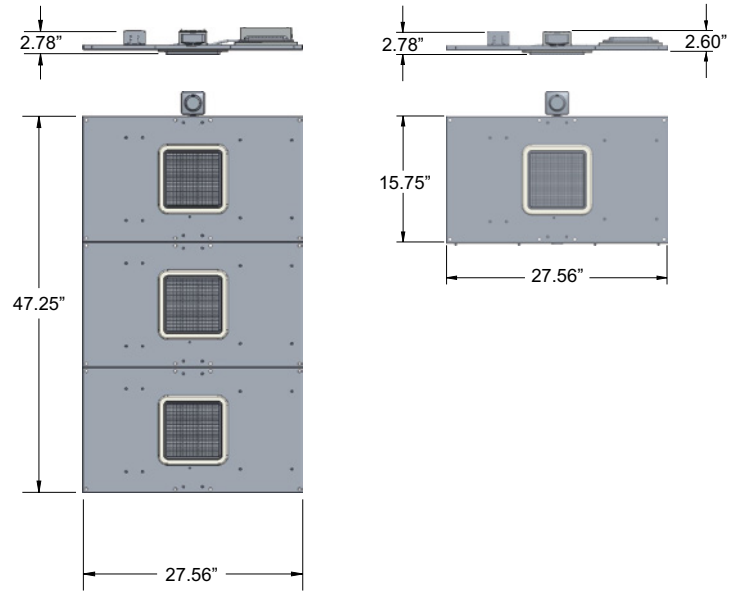
L70@ 25C >50,000 hours

Photometry

All published photometric testing data is performed to IESNA LM79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project contact sales@eluminaire.com.



Maximum Candela = 10074 - Located At Horizontal Angle = 0, Vertical Angle = 0
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
 # 2 - Vertical Plane Through Horizontal Angles (90 - 270)
 # 3 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)



Fixture Weight (Single Module): 9.4 lbs

RBB

Remote Battery Backup

Product Description

Add emergency egress lighting to select eLuminaire products with the Remote Battery Backup accessory. Economical and easy to install, RBB provides from 800 to 2400 lumens of emergency lighting (dependent on fixture type) for 90 minutes. The RBB can be mounted vertically or horizontally, and compatible fixtures are provided with 12' of cable for connections to the RBB. The RBB features a test switch with built in, tri-color LED status indicator and reliable Ni-Cd battery technology.

Compatible with most eLuminaire products, see individual product specification for more details.

Product Performance

- Illumination Time: 90 min
- ETL Listed: Pending
- Input Voltage: 120-277VAC, 50/60Hz or 277-480VAC, 50/60Hz
- Input Current: 70MA/120VAC, 30MA/277VAC or 24MA/347VAC, 17MA/480VAC
- Input Power: 7.5W/15W
- Output Voltage: 24VDC/48VDC
- Output Current: 350MA
- Output Power: 8W/16W
- Trickle Charge Current: 200MA
- Battery Type: Ni-Cd 4000MA 6V Single/Dual D Cell
- Battery Charging Current: 600MA
- Recharge Time: ≥12 Hours
- Status Indicator: LED
- Test Switch: Momentary
- Ambient Operating Temperature: -20°C to 50°C
- Housing: White Powercoated Finish Only
- Weight: 4.8 lbs (800-1200 lumens); 9.0 lbs (1600-2400 lumens)
- Warranty: 3 Years

All battery backup configurations will be 5000K CCT and have a CRI of 70 in emergency mode.



Remote Battery Backup connection to eLuminaire LED high bay fixture.

Ordering Guide

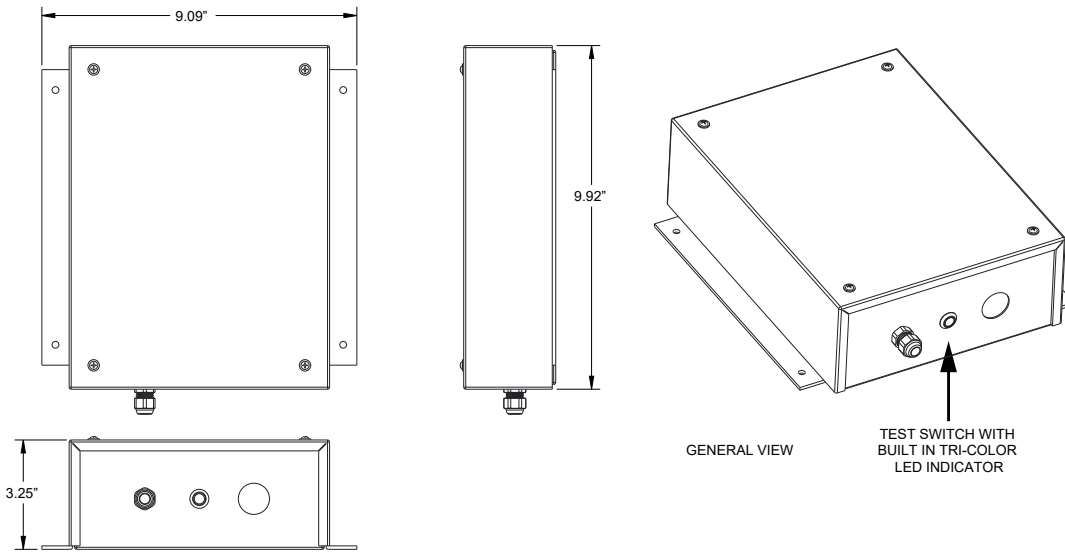
Compatibility

Model	Description	CGS2	CCS1	CIPS1_2	CSS1	RCS1	RHS1	LHB1
RBB1	Remote Battery Back Up 8W (800-1200 lumens) 120-277VAC with Internal Switch	●	●	●	●	●	●	●
RBB2	Remote Battery Back Up 8W (800-1200 lumens) 347-480VAC with Internal Switch			●			●	●
RBB3	Remote Battery Back Up 8W (800-1200 lumens) 120-277VAC with Remote Mount Switch	●	●	●	●	●	●	●
RBB4	Remote Battery Back Up 8W (800-1200 lumens) 347-480VAC with Remote Mount Switch			●			●	●
RBB5	Remote Battery Back Up 16W (1600-2400 lumens) 120-277VAC with Internal Switch	●	●	●	●	●	●	●
RBB6	Remote Battery Back Up 16W (1600-2400 lumens) 347-480VAC with Internal Switch			●			●	●
RBB7	Remote Battery Back Up 16W (1600-2400 lumens) 120-277VAC with Remote Mount Switch	●	●	●	●	●	●	●
RBB8	Remote Battery Back Up 16W (1600-2400 lumens) 347-480VAC with Remote Mount Switch			●			●	●



Technical Specifications

RBB Series



Remote Mount Switch

