



Project	
Nomenclature	
Type	Date
Approval	
Notes	

This superior-grade LED high bay is designed for both surface and suspended mounting. It is best suited for indoor use, where energy-efficiency, performance and ease of maintenance is essential. The BLHA is an ideal fixture for high bay applications where high lumen outputs and robust construction are required.

Luminaire Summary

Features

- Operating temperature ranges available from -40C to 40C
- L70 of 150,000+ hours, L90 of 41,000+ hours
- Standard 0 - 10V dimming
- Available in 2700K, 3000K, 3500K, 4000K, 5000K and 6500K
- Lumen packages are available ranging from 2' 14L (14000lm) to 4' 48L (48000lm)

Approvals

- ETL certified to UL Canada and United States standards
- Made with UL Listed components

Mounting

- Holes provided for V-hangers, S-hook chain-mounting, or aircraft cables
- Optional pendant mount and surface mount brackets

Construction

- Manufactured in Ontario, Canada
- Cold-rolled steel parts are precision bent for added strength and rigidity
- Access panel provided for easy wiring
- Powder-coated finish in high-reflectance gloss white

Electrical

- Available in 120-277V, 347V and 480V

Options

- Motion sensors available
- Wireless Controls Available
- 90 and 95+ CRI Options Available
- -40C Option Available

Ordering Information

Fill in the fields below with your product selections. If you need help with this section, [contact your local sales professional](#).



1	2	3	4	5
BLHA				

Series	Lumen Output		CRI	Colour Temp	Voltage
BLHA	2' 14L	(14000lm)	8 - 80 CRI	27 - 2700K	UNV - 120-277V
	2' 15L	(15000lm)	9 - 90 CRI	30 - 3000K	347 - 347V
	2' 18L	(18000lm)	1 - 95+ CRI	35 - 3500K	480 - 480V
	2' 20L	(20000lm)		40 - 4000K	
	2' 24L	(24000lm)		50 - 5000K	
	4' 30L	(30000lm)		65 - 6500K	
	4' 36L	(36000lm)			
	4' 40L	(40000lm)			
	4' 48L	(48000lm)			

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Options

Lenses

- L0 No Lens
- L67 Frosted Acrylic

Cords

- W3xx White 16/3 (Specify Length)
- W4xx Black 16/3 (Specify Length)
- W59xx White 18/5 (Specify Length)
- W*** Other Options Available*

Key	Cord Length	Key	Cord Length
6	6FT	15	15FT
10	10FT	20	20FT

Ex. W406 would be 16/3 Black, 6FT

Dimming

- B11 0-10V Dimming Leads
- B12 Line Voltage Dimming
- B27 Dim-to-off Driver

Controls

- WC10* Encelium Wireless Controls
- WC18* NX Wireless Controls
- WC19* Avi-on Wireless Controls
- WC22* JDRF Wireless Controls

Motion Sensors

- W26 Photocell Motion Sensor
- W57 Dimming Motion Sensor (dims to 50% when unoccupied)
- W53* On/Off
- W8* High/Low
- WX16 Microwave Dimmable Sensor
- W** Other Options Available*

Wire Guard

- G1 Heavy Duty White
- G5 Heavy Duty Black

Emergency Driver

- B24 UL924 20W Battery Back-up
- F8 UL924 Emergency Relay

Temperature Rating

- BLANK Standard
- T0 -40C Cold Rated Components

Packaging

- BLANK Individually Boxed on Pallets
- P0 Bulk Packaging
- P** Other Options Available*

Mounting

- M1 V-Hangers
- M2xx V-Hanger with Aircraft Loop Cables
- M3xx Y-Toggle Aircraft Cables
- M24 Single Pendant Mount(3/4 Hub)
- M25 Surface Mount
- M** Other Options Available*

Key	Aircraft Length	Key	Aircraft Length
5	5FT	15	15FT
10	10FT	20	20FT

Ex. M305 would be Y-Toggle, 5FT

Warranty

- CL7 10-Year Comprehensive Warranty Upgrade

Documentation and Resources

All files and resources are available on our website for download. Files and resources are also embedded as links in this document, listed below. Additional files may be available upon request. Please contact your local sales agent [here](#) or contact sales@bjtake.com for more information.

- BLHA - Installation Instructions
- BLHA-2FT-14L-840-L67
- BLHA-2FT-15L-840-L67
- BLHA-2FT-18L-840-L67
- BLHA-2FT-20L-840-L67
- BLHA-2FT-24L-840-L67
- BLHA-4FT-28L-840-L67
- BLHA-4FT-30L-840-L67
- BLHA-4FT-36L-840-L67
- BLHA-4FT-40L-840-L67
- BLHA-4FT-48L-840-L67

Certifications and Listings

Certifications that apply to this fixture and its possible configurations are listed here. More information available upon request.

Icon	Description
	Wireless Controls Available
	ETL Listed
	90 and 95+ CRI Options Available

Usage Applications

This fixture can be used in a variety of applications, and is ideal for the following:

Usage Application
Logistics And Warehousing
Manufacturing Plants
Retail Stores
Cold Storage And Freezers
Gymnasiums And Arenas
Professional Sports Facilities

Warranty Statement

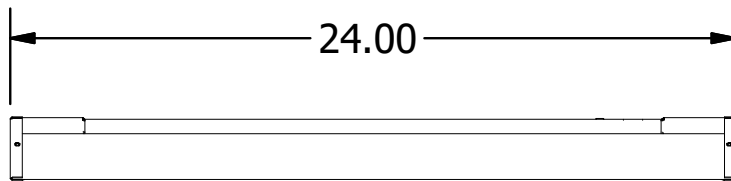
BJ Take products are tested and/or inspected prior to being packaged for shipment and are guaranteed from the day the product is shipped for a period of ten-year LED chip warranty and a five-year comprehensive component warranty. This can be upgraded to a ten-year comprehensive warranty on request.

BLHA

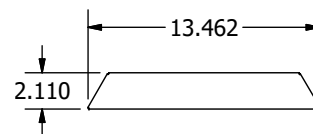
Rugged High Bay | Wattage



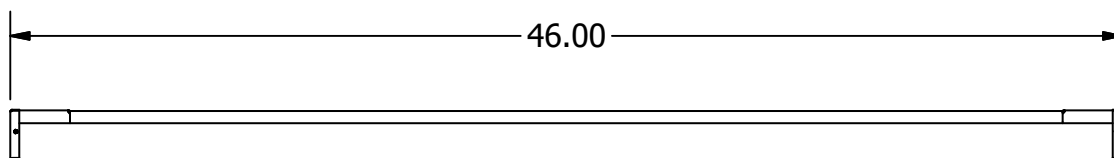
BLHA, 2 Foot, Side Dims



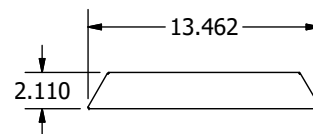
2FT End View



BLHA, 4 Foot, Side Dims



4FT End View



BLHA, 2 Foot Wattage

Length	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per Watt
2'	14.00	13487.00	90.00	149.90
2'	15.00	14881.00	101.20	147.00
2'	18.00	17903.20	120.90	148.10
2'	20.00	20698.10	142.30	145.50
2'	24.00	23133.40	159.70	144.90

BLHA, 4 Foot Wattage

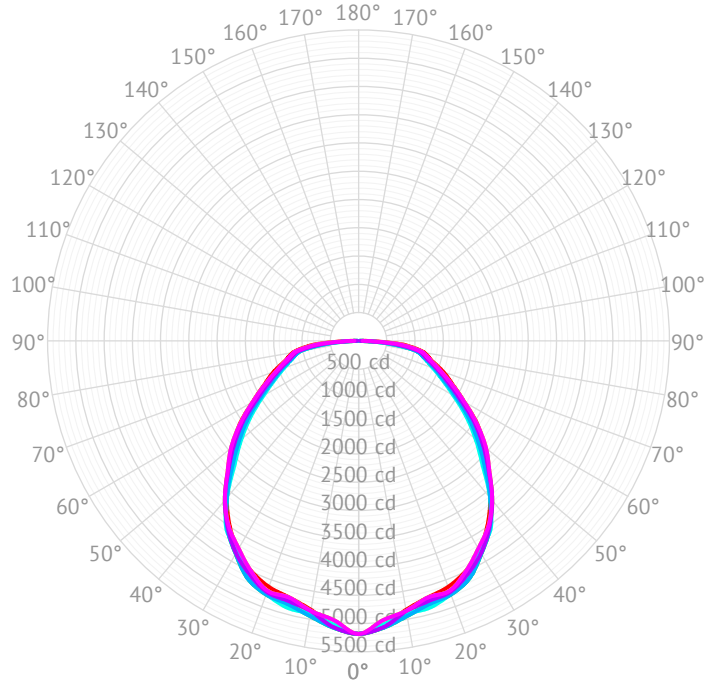
Length	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per Watt
4'	30.00	29454.60	203.30	144.90
4'	36.00	35382.40	242.40	146.00
4'	40.00	40906.00	285.20	143.40
4'	48.00	45719.10	320.10	142.80

- * Drawings aren't to scale
- * Standard tolerances apply
- * Specifications may change without notice

BLHA-2'-15L-840-L67

Cone of Light

Mtg Height	Light Level	Beam Diameter
6.0 ft	143.9 fc	16.9 ft
8.0 ft	81.0 fc	22.5 ft
10.0 ft	51.8 fc	28.1 ft
12.0 ft	36.0 fc	33.8 ft
14.0 ft	26.4 fc	39.4 ft
16.0 ft	20.2 fc	45.0 ft



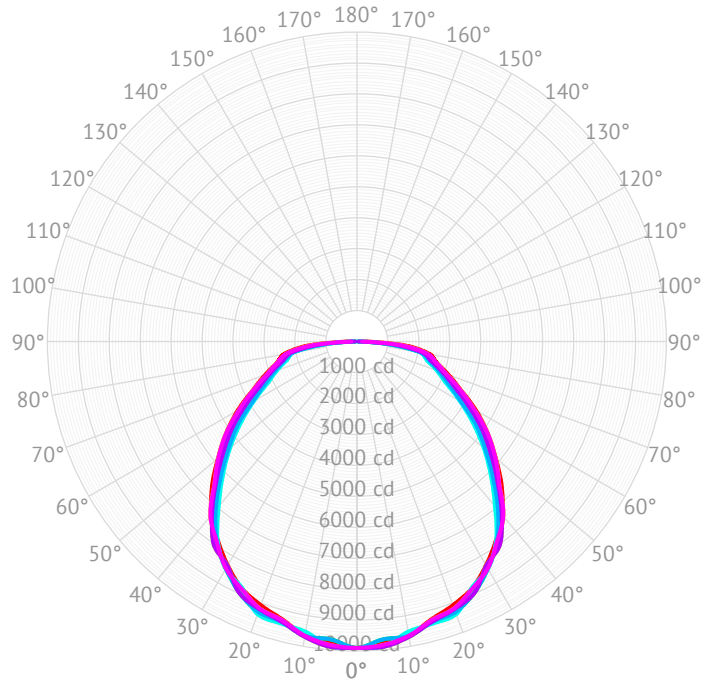
0°-180°	—
22.5°-202.5°	—
45°-225°	—
67.5°-247.5°	—
90°-270°	—
112.5°-292.5°	—
135°-315°	—
157.5°-337.5°	—

Based on 'BLHA-2'-15L-840-L67', ie. (BLHA, 2 foot, 15000lm, 80 CRI, 4000K, w/ Frosted Acrylic Lens)

BLHA-4'-30L-840-L67

Cone of Light

Mtg Height	Light Level	Beam Diameter
6.0 ft	275.0 fc	18.1 ft
8.0 ft	154.7 fc	24.1 ft
10.0 ft	99.0 fc	30.1 ft
12.0 ft	68.7 fc	36.2 ft
14.0 ft	50.5 fc	42.2 ft
16.0 ft	38.7 fc	48.2 ft



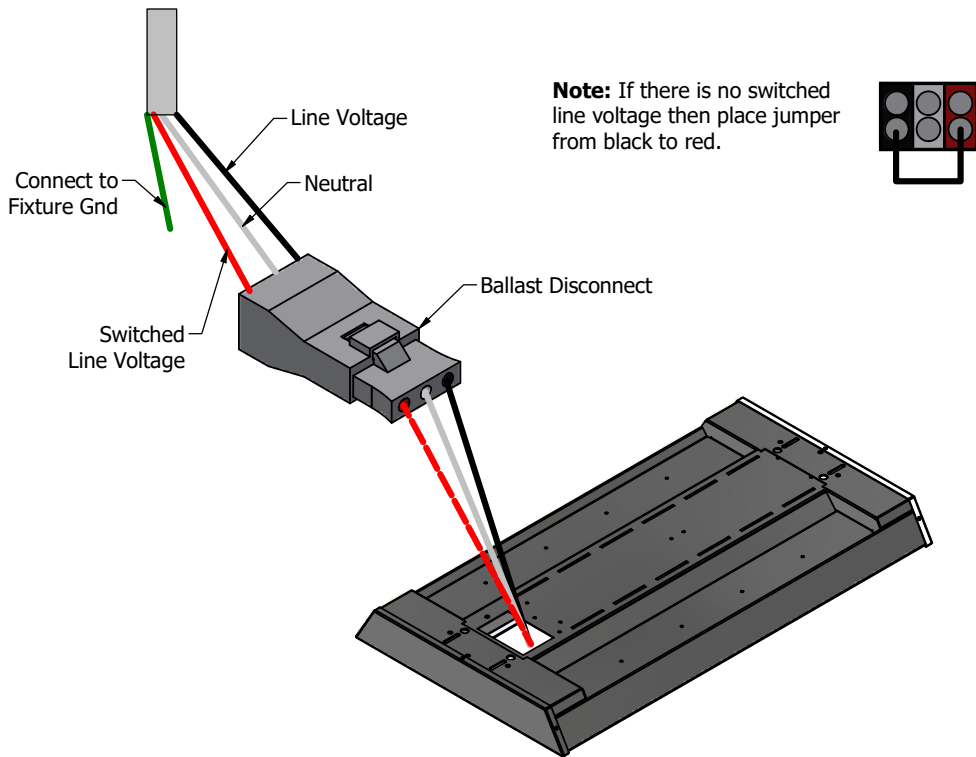
0°-180°	—
22.5°-202.5°	—
45°-225°	—
67.5°-247.5°	—
90°-270°	—
112.5°-292.5°	—
135°-315°	—
157.5°-337.5°	—

Based on 'BLHA-2'-30L-840-L67', ie. (BLHA, 2 foot, 30000lm, 80 CRI, 4000K, w/ Frosted Acrylic Lens)

Emergency Battery Plan - 20W

Emergency Lighting	Solution System Components	System Operation
Option Code 'B17' - UL 924 listed components that are factory installed in the luminaire	UL 924 listed 20-watt battery integral to the luminaire	Loss of normal power is detected by the B17 emergency light solution and the power supply is switched automatically to the 20-watt integral battery pack which powers the emergency LED lighting driver.
	UL 924 listed LED emergency lighting driver integral to the luminaire	The battery pack and emergency LED driver are UL 924 certified to provide a minimum of 90-minutes of emergency lighting.
	Wiring options for both switched and unswitched emergency lighting	

Emergency Lighting Wiring



Important Information

More information on emergency lighting options and configurations available on request.