

The Jarvis Series

BLHJ - High Efficiency High Bay

Project

Date

Part

Type

About The Jarvis Series

The BLHJ series is a group of superior-grade, suspended mount LED high bay fixtures. It is ideal for indoor use, where energy-efficiency, performance and ease of maintenance is essential. Its rugged design makes it an ideal fixture for high bay applications.

Specifications

Supported Voltage	120-277V, 347V, 120-347V, 277-480V, 480V
Available Sizes	2', 4'
Lifetime	L70 of 170,000+ hours, L90 of 50,000+ hours
Operating Temperature	-40°C/+40°C standard (-40°C/+55°C upgrade)
Lumens	10L (10000lm) to 96L (96000lm)
CCT	2700K, 3000K, 3500K, 4000K, 5000K, 6500K
CRI	80+ standard, 90+ and 95+ available
Dimming	1-10V Standard
Mounting	Holes provided for V-hangers, S-hook chain-mounting, or aircraft cables, with optional pendant and surface mount brackets
Surge Protection	6kV on lumen packages 18L and above; 20kV surge protection available on all models

Approvals

- DLC Listed
- DLC Premium* (select models only)
- ETL Listed
- Dry and Damp Environment Rated
- -40°C Cold Temperature Ready
- Designed and Manufactured in Canada

Warranty

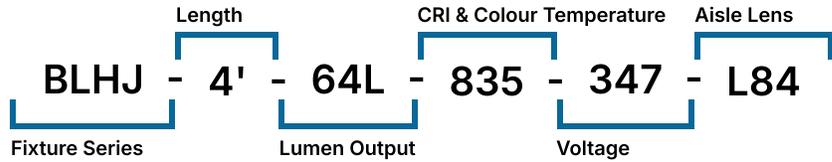
- | 5 Year Comprehensive, 10 Year LED

The Jarvis Series

BLHJ - High Efficiency High Bay

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				
Series	Length & Lumen Output		CRI	CCT	Voltage			
BLHJ	2'-10L	10,000lm	4'-20L	20,000lm	8 80	27 2700K	UNV	120-277V
	2'-12L	12,000lm	4'-24L	24,000lm	9 90+	30 3000K	347	347V
	2'-14L	14,000lm	4'-28L	28,000lm	1 95+	35 3500K	UN3	120-347V
	2'-16L	16,000lm	4'-32L	32,000lm		40 4000K	277-480	277-480V
	2'-18L	18,000lm	4'-36L	36,000lm		50 5000K	480	480V
	2'-20L	20,000lm	4'-40L	40,000lm		65 6500K		
	2'-22L	22,000lm	4'-44L	44,000lm				
	2'-24L	24,000lm	4'-48L	48,000lm				
	2'-28L	28,000lm	4'-56L	56,000lm				
	2'-30L	30,000lm	4'-60L	60,000lm				
	2'-32L	32,000lm	4'-64L	64,000lm				
	2'-36L	34,000lm	4'-72L	72,000lm				
	2'-40L	40,000lm	4'-80L	80,000lm				
	2'-44L	44,000lm	4'-88L	88,000lm				
	2'-48L	48,000lm	4'-96L	96,000lm				

Options

Lenses

L0	No Lens
L69	Glare Control Lens
L84	High Performance Aisle Optic Lens

* See page 10 for photometrics

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

Wire Guard

G1	Heavy Duty White
G5	Heavy Duty Black

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
WC31D	Keilton/Autani EFS106-AUX Sensor w/ Highbay Lens
W**	Other Options Available*

Temperature Rating

BLANK	Standard
T0	-40C Cold Rated Components

Electrical

B24	UL924 20W Battery Back-up
F7	20kV Surge Suppressor
F8	UL924 Emergency Relay

Packaging

BLANK	Individually Boxed on Pallets
P0	Bulk Packaging

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
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High Bay Lighting by 

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.

 [BLHJ Installation Instructions - 2024](#)

Certifications and Listings

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

Icon	Description
	DLC Listed
	DLC Premium* (select models only)
	ETL Listed
	Wireless Controls Available
	90 and 95+ CRI Options Available
	120-347V(UN3) Available

Usage Applications

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

Usage Application
Hospitals
Offices
Schools
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.

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Wattage Information

Below are the wattage and lumen output tables for all size formats of the BLHJ with the standard L69 glare control lens as well as the L0 'no lens' option.

BLHJ 2' Wattage

Size	Lumen Package	Lumen Output (L69 Lens)	Lumen Output (No Lens)	Lm/W (L69 Lens)	Lm/W (No Lens)	Wattage
2'	10L	10427	11496	162.67	179.34	64.10
2'	12L	12540	13825	160.66	177.13	78.05
2'	14L	14597	16093	158.66	174.93	92.00
2'	16L	16597	18298	156.65	172.71	105.95
2'	18L	18543	20444	154.65	170.51	119.90
2'	20L	20431	22525	152.64	168.29	133.85
2'	22L	22263	24545	150.63	166.07	147.80
2'	24L	24038	26502	148.61	163.84	161.75
2'	28L	28890	31851	159.88	176.27	180.70
2'	30L	30750	33902	157.97	174.16	194.66
2'	32L	32557	35894	156.06	172.05	208.62
2'	36L	36463	40200	154.15	169.95	236.54
2'	40L	40261	44388	152.24	167.84	264.46
2'	44L	43953	48458	150.33	165.74	292.38
2'	48L	47552	52426	148.40	163.63	320.40

BLHJ 4' Wattage

Size	Lumen Package	Lumen Output (L69 Lens)	Lumen Output (No Lens)	Lm/W (L69 Lens)	Lm/W (No Lens)	Wattage
4'	20L	20415	22508	159.24	175.57	128.20
4'	24L	24539	27054	157.40	173.54	155.90
4'	28L	28563	31491	155.57	171.52	183.60
4'	32L	32483	35813	153.73	169.49	211.30
4'	36L	36304	40025	151.90	167.47	239.00
4'	40L	40021	44123	150.06	165.44	266.70
4'	44L	43639	48112	148.23	163.42	294.40
4'	48L	47143	51975	146.36	161.36	322.10
4'	56L	57149	63007	157.09	173.19	363.80
4'	60L	60866	67105	155.29	171.21	391.95
4'	64L	64481	71090	153.49	169.22	420.10
4'	72L	72260	79667	151.68	167.23	476.40
4'	80L	79841	88025	149.88	165.24	532.70
4'	88L	87219	96159	148.08	163.26	589.00
4'	96L	94375	104048	146.25	161.24	645.30

BLHJ Light Loss Factor (LLF)

CCT	Scaling Factor
3500	97.19
4000	100.00
5000	100.00
90CRI	85.90

BLHJ Lens Scaling

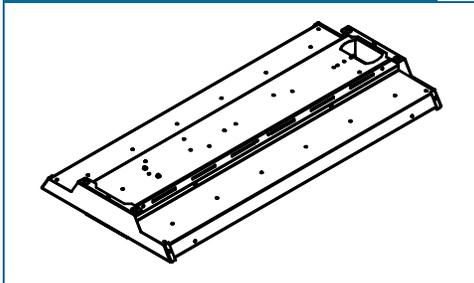
Order Code	Lens	Scaling Factor
L69	Glare Control Lens	100.00
L81	30x60 Aisle Optic	100.43
L82	10x60 Aisle Optic	101.74
L0	No Lens	110.25

* Actual lumen output may vary

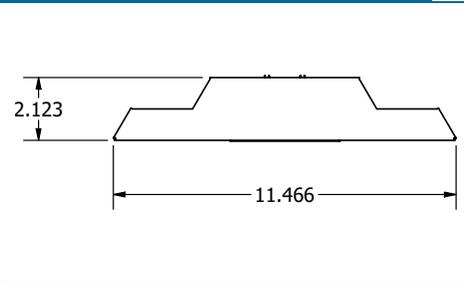
BLHJ 2' 10L-24L Dimensions

Below are the dimensions for the 2' 10L-24L BLHJ configurations.

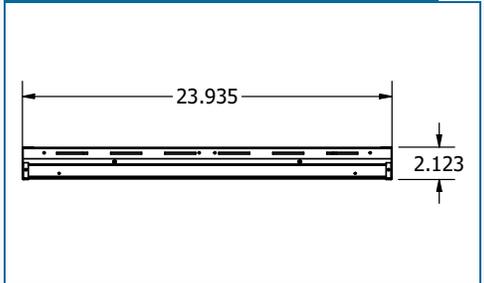
2' 10L-24L Standard



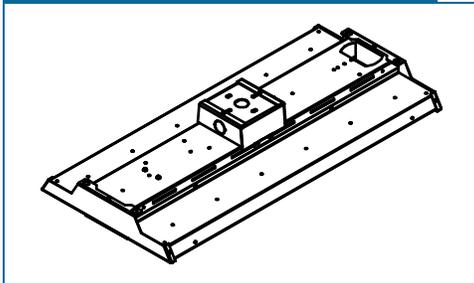
2' 10L-24L Standard End



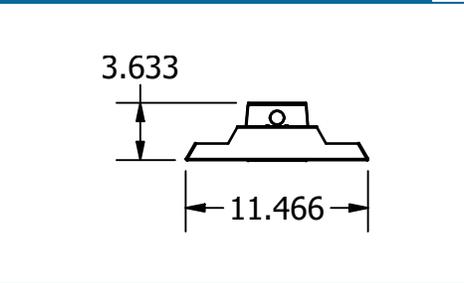
2' 10L-24L Standard Side



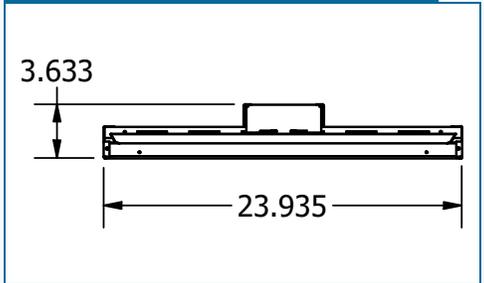
2' 10L-24L Pendant



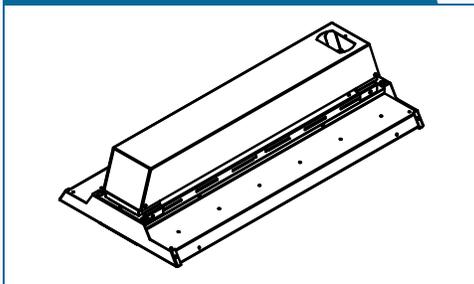
2' 10L-24L Pendant End



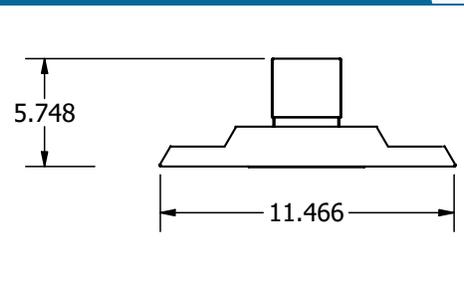
2' 10L-24L Pendant Side



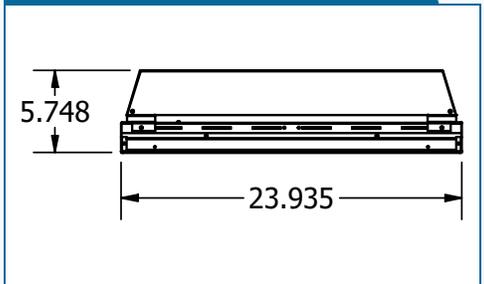
2' 10L-24L Battery



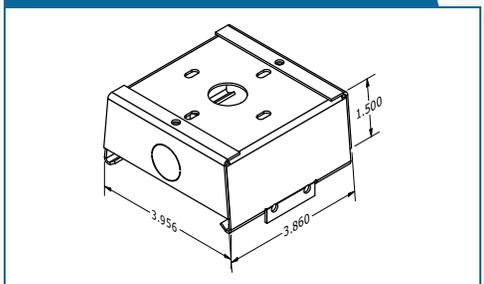
2' 10L-24L Battery End



2' 10L-24L Battery Side



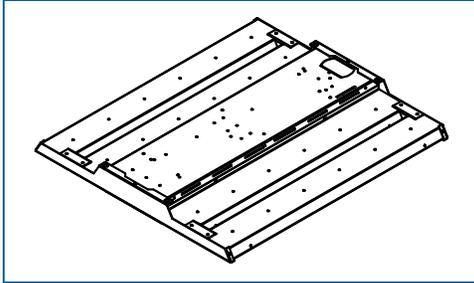
Pendant View



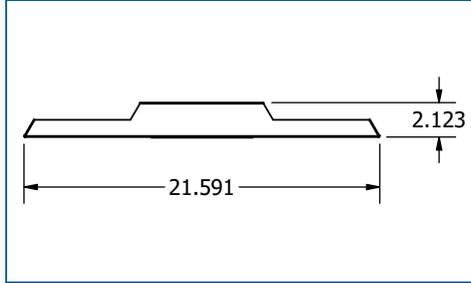
BLHJ 2' 28L-48L Dimensions

Below are the dimensions for the **2' 28L-48L** BLHJ configurations.

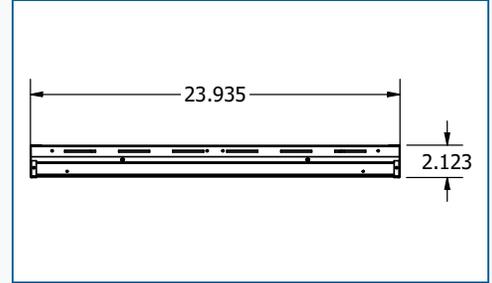
2' 28L-48L Standard



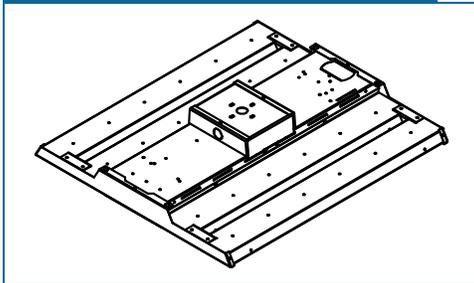
2' 28L-48L Standard End



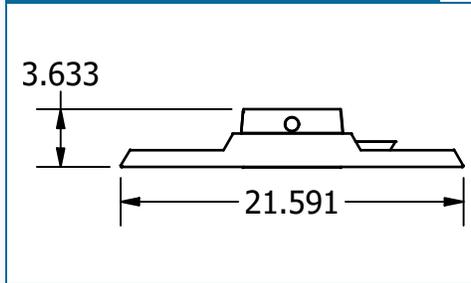
2' 28L-48L Standard Side



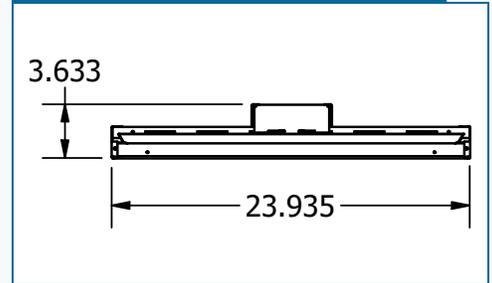
2' 28L-48L Pendant



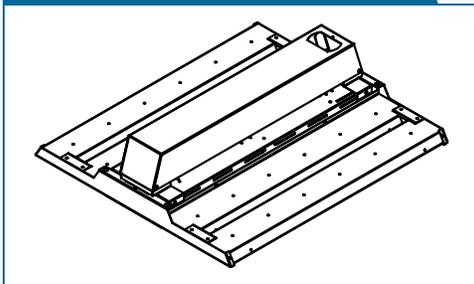
2' 28L-48L Pendant End



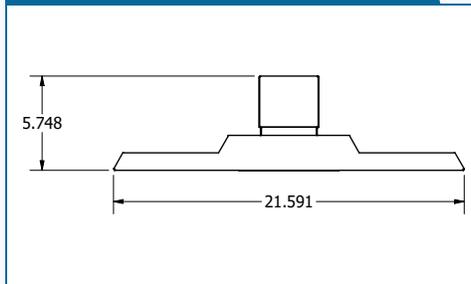
2' 28L-48L Pendant Side



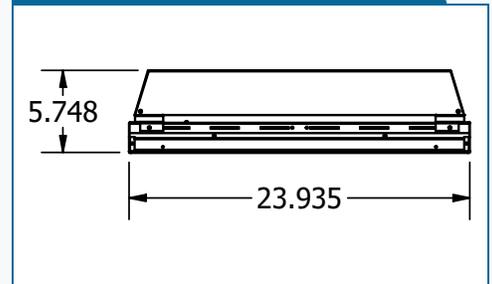
2' 28L-48L Battery



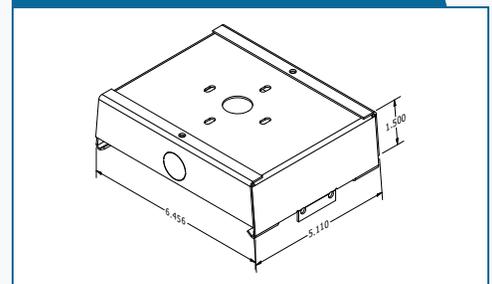
2' 28L-48L Battery End



2' 28L-48L Battery Side



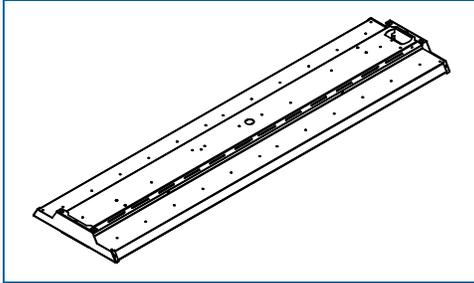
Pendant View



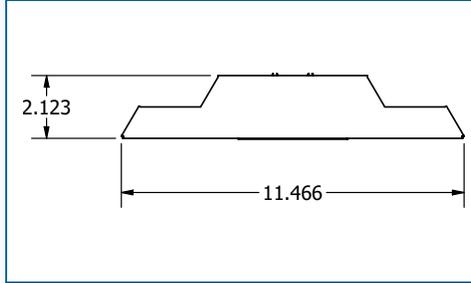
BLHJ 4' 20L-48L Dimensions

Below are the dimensions for the 4' 20L-48L BLHJ configurations.

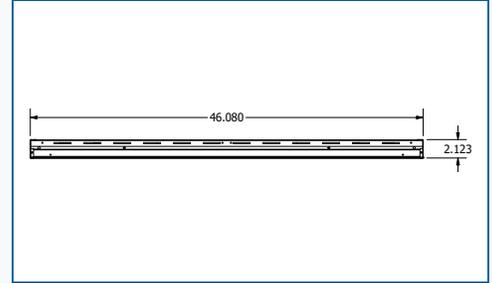
4' 20L-48L Standard



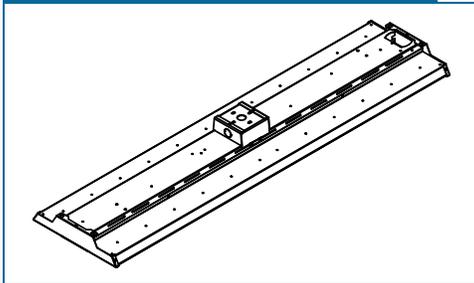
4' 20L-48L Standard End



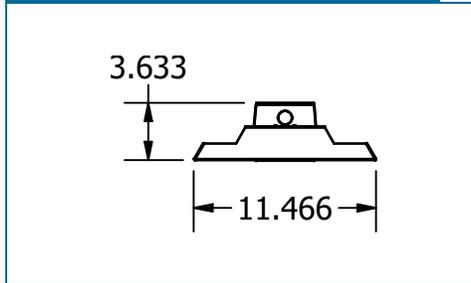
4' 20L-48L Standard Side



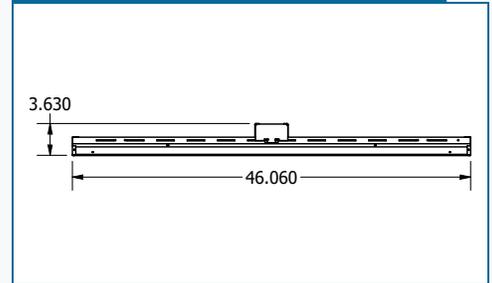
4' 20L-48L Pendant



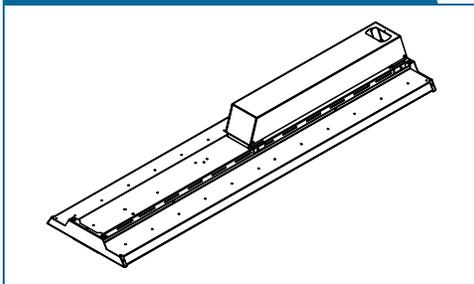
4' 20L-48L Pendant End



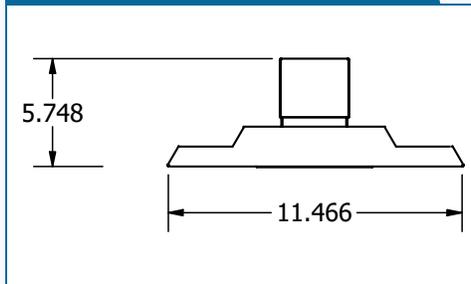
4' 20L-48L Pendant Side



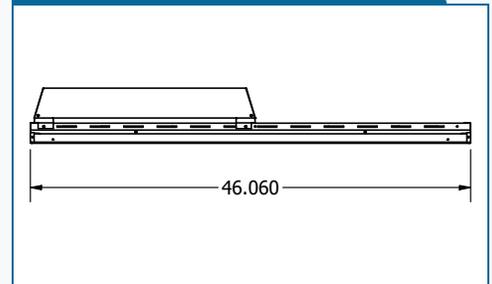
4' 20L-48L Battery



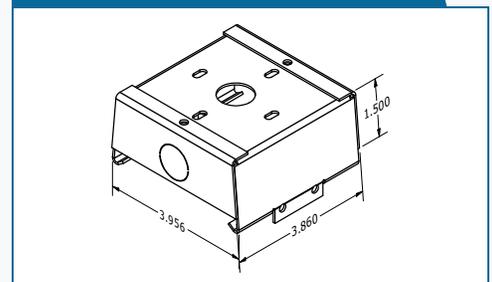
4' 20L-48L Battery End



4' 20L-48L Battery Side



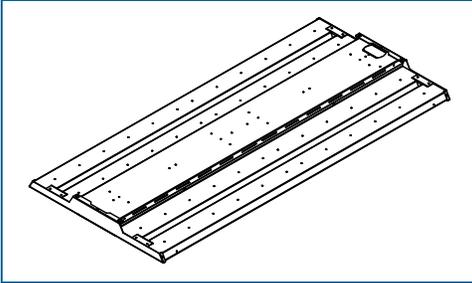
Pendant View



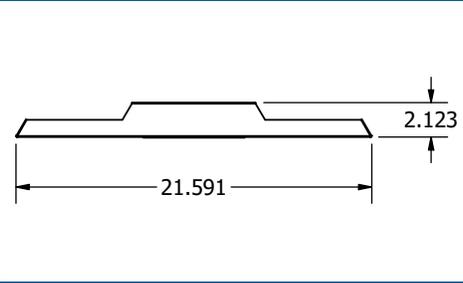
BLHJ 4' 56L-96L Dimensions

Below are the dimensions for the **4' 56L-96L** BLHJ configurations.

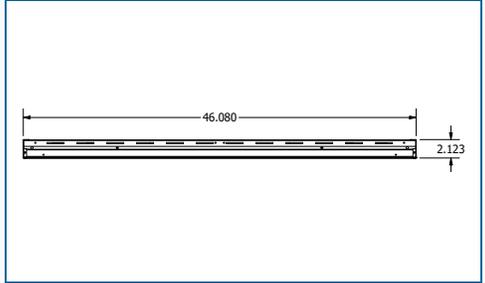
4' 56L-96L Standard



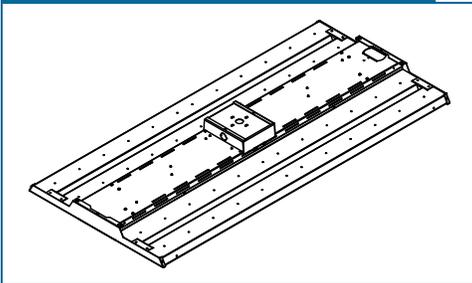
4' 56L-96L Standard End



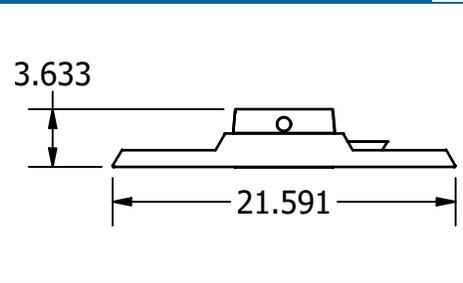
4' 56L-96L Standard Side



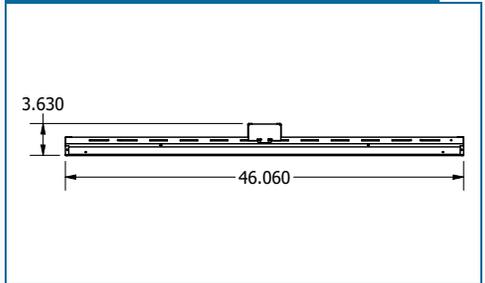
4' 56L-96L Pendant



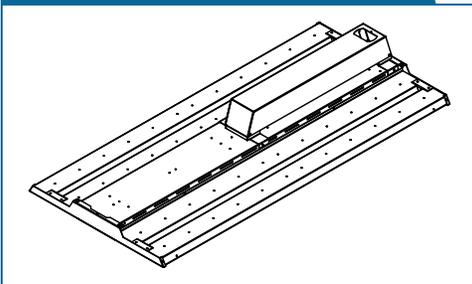
4' 56L-96L Pendant End



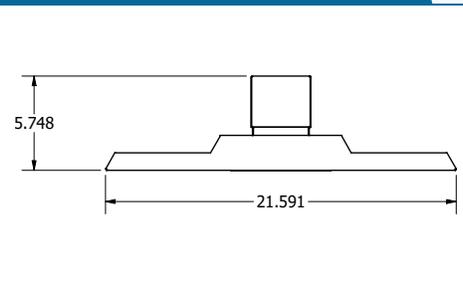
4' 56L-96L Pendant Side



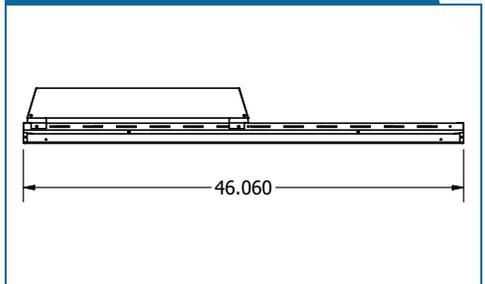
4' 56L-96L Battery



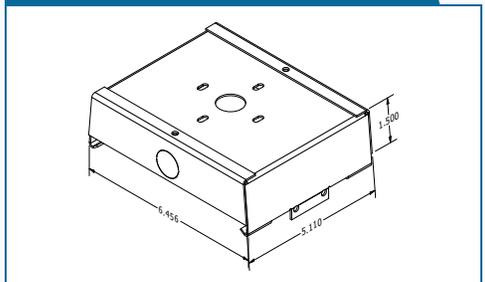
4' 56L-96L Battery End



4' 56L-96L Battery Side



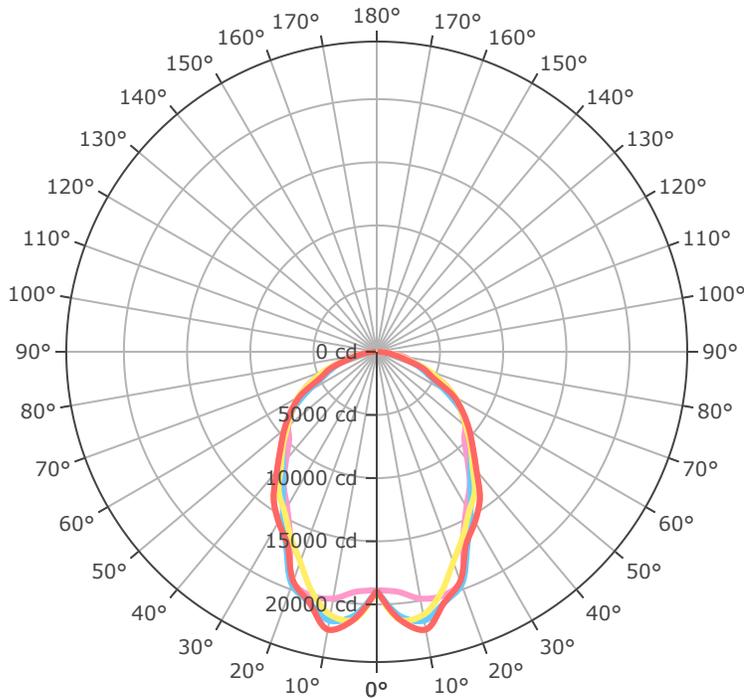
Pendant View



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BLHJ - High Efficiency High Bay

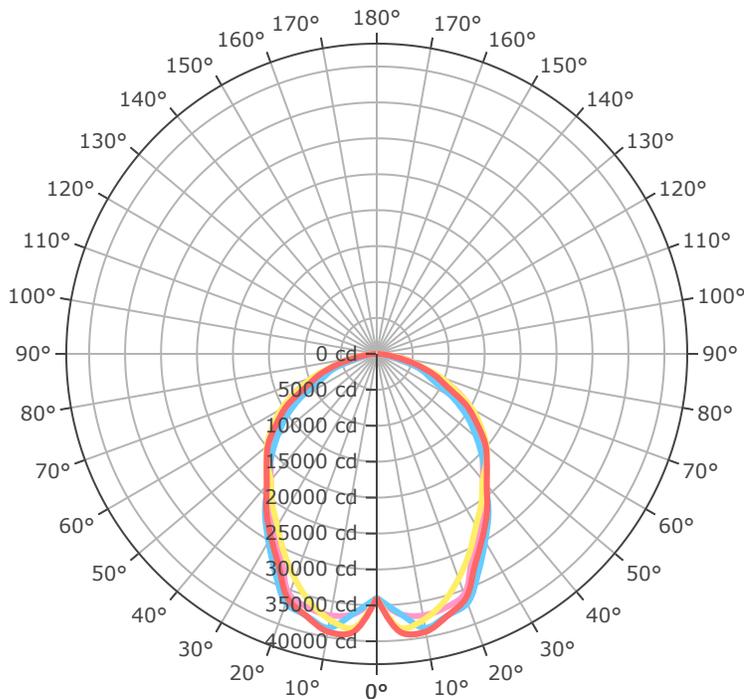
1 - BLHJ-2'-48L-850-L69



- 0.0°
- 45.0°
- 90.0°
- 135.0°
- 180.0°

Mtg Height	Light Level	Beam Diameter
6.0 ft	524.5 fc	14.5 ft
8.0 ft	295.0 fc	19.3 ft
10.0 ft	188.8 fc	24.2 ft
12.0 ft	131.1 fc	29.0 ft
14.0 ft	96.3 fc	33.8 ft
16.0 ft	73.8 fc	38.7 ft
24.0 ft	32.8 fc	58.0 ft
32.0 ft	18.4 fc	77.3 ft
40.0 ft	11.8 fc	96.6 ft
48.0 ft	8.2 fc	116.0 ft
56.0 ft	6.0 fc	135.3 ft
64.0 ft	4.6 fc	154.6 ft

2 - BLHJ-4'-96L-850-L69



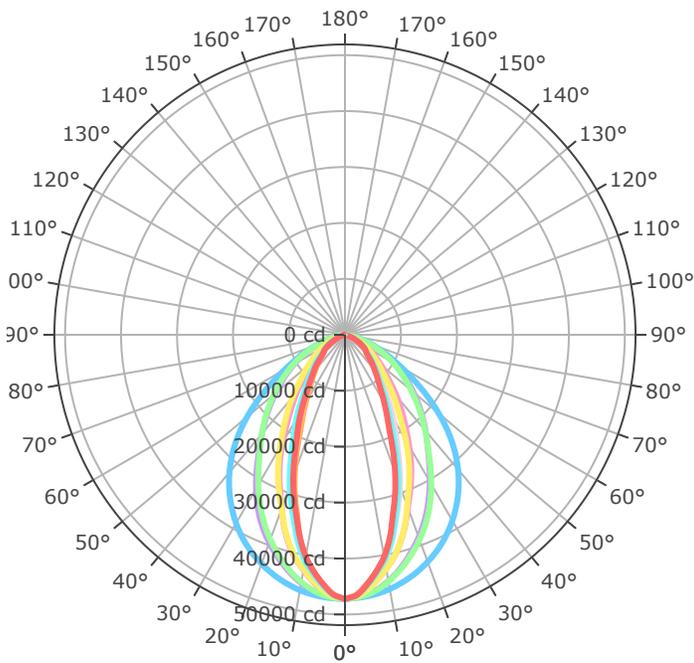
- 0.0°
- 45.0°
- 90.0°
- 135.0°
- 180.0°

Mtg Height	Light Level	Beam Diameter
6.0 ft	942.9 fc	17.2 ft
8.0 ft	530.4 fc	23.0 ft
10.0 ft	339.4 fc	28.7 ft
12.0 ft	235.7 fc	34.5 ft
14.0 ft	173.2 fc	40.2 ft
16.0 ft	132.6 fc	46.0 ft
24.0 ft	58.9 fc	69.0 ft
32.0 ft	33.1 fc	91.9 ft
40.0 ft	21.2 fc	114.9 ft
48.0 ft	14.7 fc	137.9 ft
56.0 ft	10.8 fc	160.9 ft
64.0 ft	8.3 fc	183.9 ft

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BLHJ - High Efficiency High Bay

3 - BLHJ-4'-60L-840-L84



- 0.0° - 180.0°
- 22.5° - 202.5°
- 45.0° - 225.0°
- 67.5° - 247.5°
- 90.0° - 270.0°
- 112.5° - 292.5°
- 135.0° - 315.0°
- 157.5° - 337.5°
- 180.0° - 360.0°

Mtg Height	Light Level	Beam Diameter
6.0 ft	1310.9 fc	5.0 ft
8.0 ft	737.4 fc	6.6 ft
10.0 ft	471.9 fc	8.3 ft
12.0 ft	327.7 fc	9.9 ft
14.0 ft	240.8 fc	11.6 ft
16.0 ft	184.4 fc	13.2 ft
24.0 ft	81.9 fc	19.8 ft
32.0 ft	46.1 fc	26.4 ft
40.0 ft	29.5 fc	33.0 ft
48.0 ft	20.5 fc	39.6 ft
56.0 ft	15.0 fc	46.2 ft
64.0 ft	11.5 fc	52.8 ft

The Jarvis Series

BLHJ - High Efficiency High Bay

Emergency Driver, Activated Output

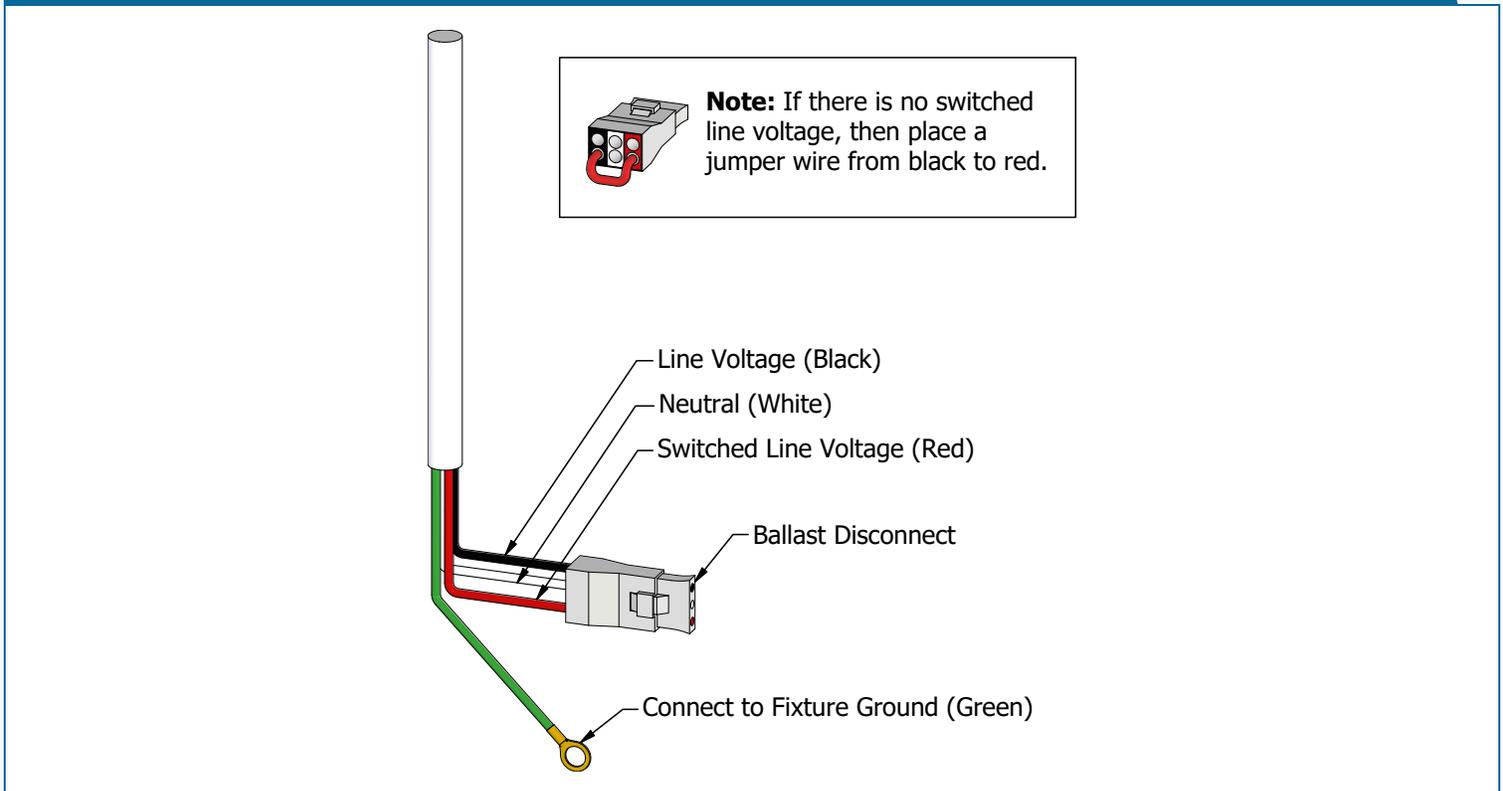
Lumen Package(2FT)	Lumen Output(lm)	Lumen Package(4FT)	Lumen Output(lm).1
10L	3700lm	20L	3700lm
12L	3700lm	24L	3700lm
14L	3700lm	28L	3700lm
16L	3700lm	32L	3700lm
18L	3700lm	36L	3700lm
20L	3700lm	40L	3700lm
22L	3700lm	44L	3700lm
24L	3700lm	48L	3700lm
26L	3700lm	56L	3700lm
28L	3700lm	60L	3700lm
30L	3700lm	64L	3700lm
32L	3700lm	72L	3700lm
36L	3700lm	80L	3700lm
40L	3700lm	88L	3700lm
44L	3700lm	96L	3700lm
48L	3700lm	NaN	NaN

*activated output cannot exceed selected lumen package output

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

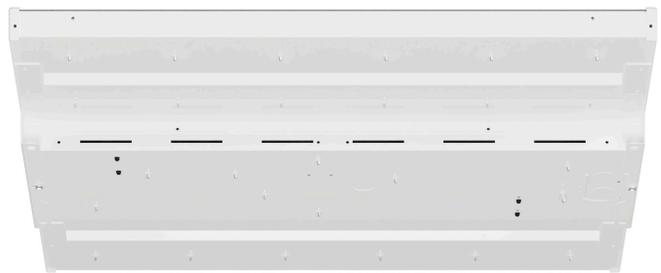


Important Information

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

Gallery Information

Below you will find images of relevant products and configurations for the BLHJ.



Gallery Information

Below you will find images of relevant products and configurations for the BLHJ.

