The Nelson Series

BLHN - High Value High Bay

Project	Date
Part	**Type**

About The Nelson Series

This superior-grade LED high bay is designed for both surface and suspended mounting. It is ideal for indoor use, where energy-efficiency, performance and ease of maintenance is essential. With its rugged design and superior light paths the BLHN is an ideal fixture for high bay applications.

Specifications

Supported Voltage	120-277V, 347V, 120-347V, 480V
Available Sizes	2', 4'
Lifetime	L70 of 132,000+ hours, L90 of 42,000+ hours
Operating Temperature	-20°C/+25°C (-40°/+40°C upgrade)
Lumens	2' 10L (10000lm) to 4' 64L (64000lm).
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; Optional pendant mount and surface mount brackets

Approvals

- ETL Listed
- DLC Listed
- Dry and Damp Environment Rated
- Designed and Manufactured in Canada

Warranty

5 Year Comprehensive, 10 Year LED

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High Bay Lighting by BJTAKE LIGHTING

Ordering Information

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

Fixture Series	Length	Lumen Output	CRI & Colour Temperature	Voltage	Option 1
BLHN	2'	18L	840	UNV	L19

1	2	3	4	5
BLHA				

Series

BLHA	

Length & Lumen Output

2'-14L	14,000lm	4'-32L	20,000lm
2'-16L	16,000lm	4'-36L	36,000lm
2'-18L	18,000lm	4'-40L	40,000lm
2'-20L	20,000lm	4'-44L	44,000lm
2'-24L	24,000lm	4'-48L	48,000lm

CRI

8	80
9	90+
1	95+

CCT

27	2700K
30	3000K
35	3500K
40	4000K
50	5000K
65	6500K

Voltage

UNV	120-277V
347	347V
UN3	120-347V
480	480V

6

Options

Lenses

BLANK	Frosted Acrylic
L0	No Lens

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
WC31*	Keilton 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 Wireless Controls
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

Certifications and Listings

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

Icon	Description
	ETL Listed
	DLC Listed
	Wireless Controls Available
	90 and 95+ CRI Options Available
	120-347V(UN3) Available
	-40C Option Available

Usage Applications

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

Usage Application
Cold Storage & Freezers
Distribution Facilities
Grocery Stores
Gymnasiums & Arenas
Logistics & Warehouses
Manufacturing Facilities
Professional Sports Facilities
Retail Stores
Schools
Storage 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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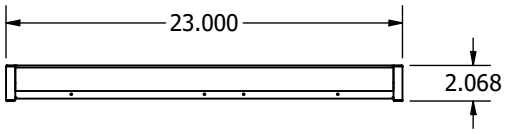
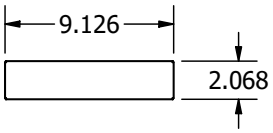
High Bay Lighting by BJTAKE LIGHTING

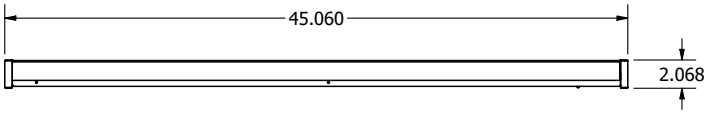
BLHN 2' Side



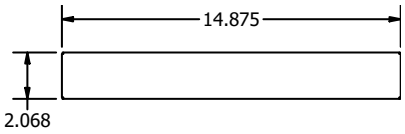
BLHN 2 Row End



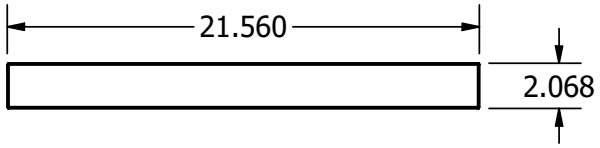
BLHN 4' Side



BLHN 4 Row End



BLHN 6 Row End



BLHN 2' Wattage

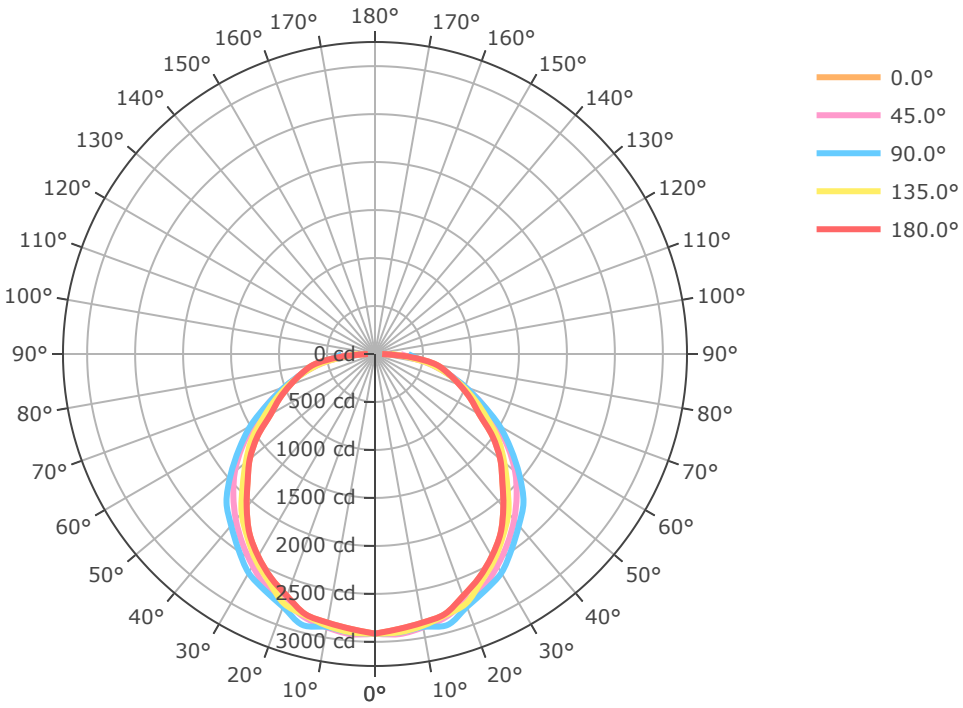
Length	Rows	Lumen Package	Lumen Output	Fixture Wattage	Lumens per watt
2'	2 Rows	10L	9312	71.0	131.2
2'	2 Rows	12L	11184	82.9	134.9
2'	4 Rows	14L	13144	94.9	138.5
2'	4 Rows	16L	15191	106.8	142.2
2'	4 Rows	18L	17658	125.0	141.3
2'	4 Rows	20L	19129	135.5	141.1
2'	4 Rows	22L	20597	146.1	141.0
2'	4 Rows	24L	22062	156.6	140.9
2'	6 Rows	32L	32000	.	.

BLHN 4' Wattage

Length	Rows	Lumen Package	Lumen Output	Fixture Wattage	Lumens per watt
4'	2 Rows	20L	18666	141.3	132.1
4'	2 Rows	24L	22418	165.1	135.8
4'	4 Rows	28L	26346	188.8	139.5
4'	4 Rows	32L	30448	212.6	143.2
4'	4 Rows	36L	34787	252.9	137.5
4'	4 Rows	40L	37683	274.2	137.4
4'	4 Rows	44L	40576	295.6	137.3
4'	4 Rows	48L	43462	316.9	137.2
4'	6 Rows	64L	64000	.	.

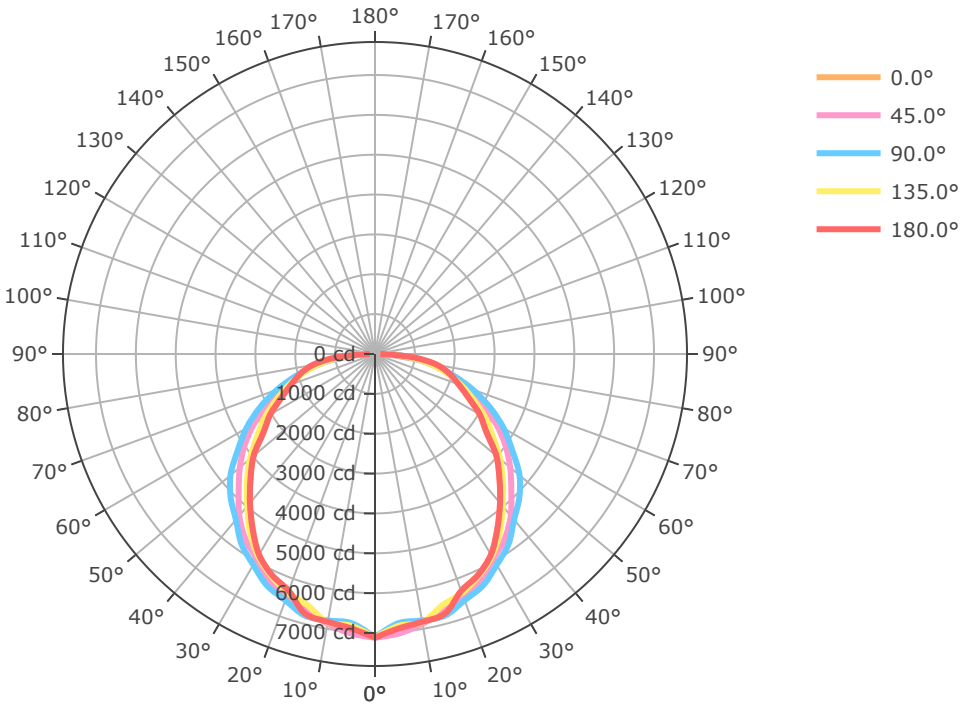
* Drawings aren't to scale
* Standard tolerances apply
* Specifications may change without notice

BLHN-2FT-10L-840-L19



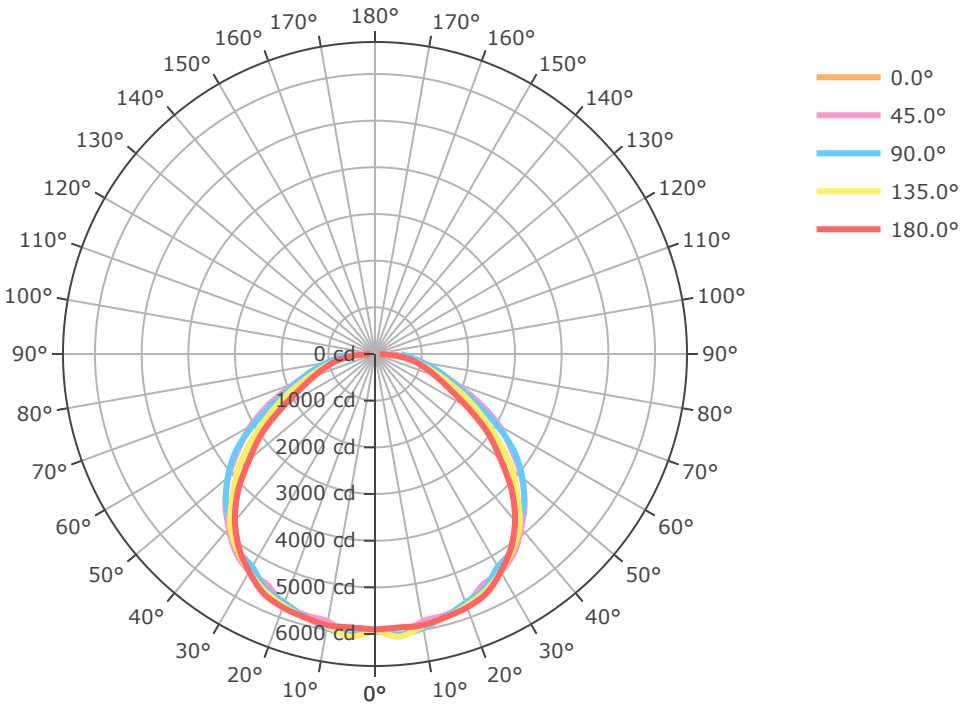
Mtg Height	Light Level	Beam Diameter
6.0 ft	81.0 fc	17.7 ft
8.0 ft	45.5 fc	23.5 ft
10.0 ft	29.1 fc	29.4 ft
12.0 ft	20.2 fc	35.3 ft
14.0 ft	14.9 fc	41.2 ft
16.0 ft	11.4 fc	47.1 ft
24.0 ft	5.1 fc	70.6 ft
32.0 ft	2.8 fc	94.2 ft
40.0 ft	1.8 fc	117.7 ft
48.0 ft	1.3 fc	141.2 ft
56.0 ft	0.9 fc	164.8 ft
64.0 ft	0.7 fc	188.3 ft

BLHN-2FT-24L-840-L19



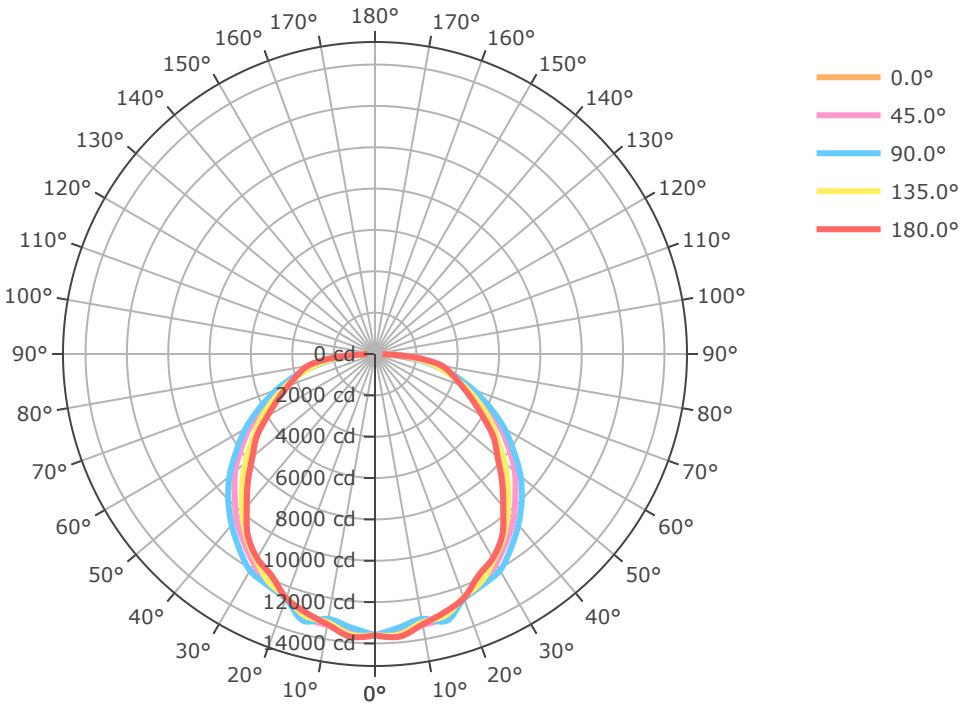
Mtg Height	Light Level	Beam Diameter
6.0 ft	197.7 fc	16.3 ft
8.0 ft	111.2 fc	21.8 ft
10.0 ft	71.2 fc	27.2 ft
12.0 ft	49.4 fc	32.7 ft
14.0 ft	36.3 fc	38.1 ft
16.0 ft	27.8 fc	43.6 ft
24.0 ft	12.4 fc	65.4 ft
32.0 ft	7.0 fc	87.2 ft
40.0 ft	4.4 fc	109.0 ft
48.0 ft	3.1 fc	130.8 ft
56.0 ft	2.3 fc	152.6 ft
64.0 ft	1.7 fc	174.3 ft

BLHN-4FT-20L-840-L19



Mtg Height	Light Level	Beam Diameter
6.0 ft	164.0 fc	17.2 ft
8.0 ft	92.3 fc	22.9 ft
10.0 ft	59.1 fc	28.6 ft
12.0 ft	41.0 fc	34.3 ft
14.0 ft	30.1 fc	40.0 ft
16.0 ft	23.1 fc	45.8 ft
24.0 ft	10.3 fc	68.6 ft
32.0 ft	5.8 fc	91.5 ft
40.0 ft	3.7 fc	114.4 ft
48.0 ft	2.6 fc	137.3 ft
56.0 ft	1.9 fc	160.1 ft
64.0 ft	1.4 fc	183.0 ft

BLHN-4FT-48L-840-L19

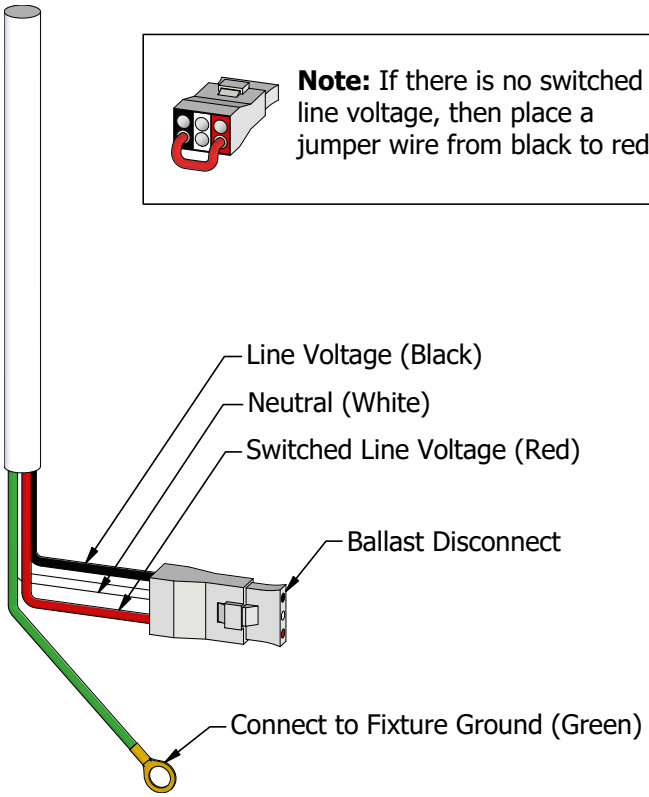


Mtg Height	Light Level	Beam Diameter
6.0 ft	378.0 fc	17.8 ft
8.0 ft	212.6 fc	23.7 ft
10.0 ft	136.1 fc	29.6 ft
12.0 ft	94.5 fc	35.6 ft
14.0 ft	69.4 fc	41.5 ft
16.0 ft	53.2 fc	47.4 ft
24.0 ft	23.6 fc	71.1 ft
32.0 ft	13.3 fc	94.8 ft
40.0 ft	8.5 fc	118.5 ft
48.0 ft	5.9 fc	142.2 ft
56.0 ft	4.3 fc	165.9 ft
64.0 ft	3.3 fc	189.7 ft

Emergency Battery Plan - 10W

Emergency Lighting	Solution System Components	System Operation
Option Code 'B17' - UL 924 listed components that are factory installed in the luminaire	UL 924 listed 10-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 10-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

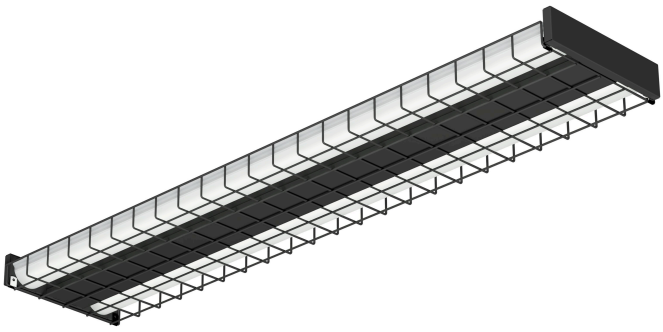


Important Information

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 BLHN.

Gallery Information

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