

BLHV-H27

HAZLOC Vapour Proof High Bay



Project

Nomenclature

Type

Date

Approval

Notes

The BLHV-H27 is a high bay LED hazardous location fixture. The BLHV-H27 is ideal for indoor or outdoor use where there is a high probability of exposure to hazardous dust or gases. Its unique, IP67 certified body makes it ideal in environments where vapour-proof efficiency and performance are a factor

Luminaire Summary

Features

- Operating temperature ranges available from -29C to 35C
- L70 of 136,000+ hours, L90 of 38,000+ hours
- Standard 0 - 10V dimming
- Available in 2700K, 3000K, 3500K, 4000K, 5000K and 6500K
- Lumen packages are available ranging from 2' 10L (10000lm) to 4' 32L (32000lm)

Approvals

- ETL certified to UL Canada and United States standards
- Made with UL Listed components
- Wet Location Rated
- Class 1 Div 2 Groups ABCD
- Class 2 Div 2 Groups FG
- Class 3 Div 2
- NEMA4X Rated
- IP67 Rated
- NSF Rated

Mounting

- Hooks provided for suspension mounting
- Surface-mount brackets available

Construction

- Manufactured in Ontario, Canada
- Fibreglass enclosure with neoprene gasket ensures a dust and water-resistant seal
- Stainless steel latches and clips

Electrical

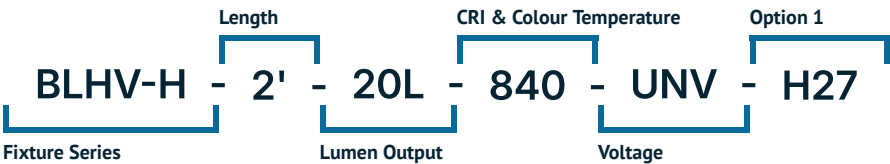
- Available in 120-277V, 347V and 480V

Options

- Polycarbonate Lens Available
- Cords Available
- Wireless Controls Available
- 90 and 95+ CRI Options 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	
BLHV-H					
Series	Lumen Output		CRI	Colour Temp	Voltage
BLHV-H	2' 10L	10,000lm	8 - 80 CRI	27 - 2700K	UNV - 120-277V
	2' 12L	12,000lm	9 - 90 CRI	30 - 3000K	347 - 347V
	2' 14L	14,000lm	1 - 95+ CRI	35 - 3500K	480 - 480V
	2' 16L	16,000lm		40 - 4000K	
	2' 18L	18,000lm		50 - 5000K	
	2' 20L	20,000lm		65 - 6500K	
	4' 24L	24,000lm			
	4' 32L	32,000lm			
6	H27				

Options

Lenses

L49 | Frosted Acrylic Lens

L55 | Clear Acrylic Lens

L59 | Frosted Polycarbonate Lens

Cords

W1xx | White 16/4 (Specify Length)

W2xx | Black 16/4 (Specify Length)

W3xx | White 16/3 (Specify Length)

W4xx | Black 16/3 (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

Controls

WC** | Other Options Available*

Dimming

B11 | 0-10V Dimming Leads

Packaging

BLANK | Individually Boxed on Pallets

P0 | Bulk Packaging

P** | Other Options Available*

Fasteners

BLANK | Stainless Steel Latches and Clips

Tamper Resistance

H9 | Tamper Resistant Screws (Requires H4 Stainless Steel Latches)

Mounting

M3xx | Y-Toggle Aircraft Cables

M14 | Heavy Duty Surface Mount Brackets

M20 | Ceiling-Mount V-Hooks

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

Ex. M305 would be Y-Toggle, 5FT

Hazardous Location

H27 | Hazardous Location

Applied Certifications

Class 1 Div 2 Groups ABCD

Class 2 Div 2 Groups FG

Class 3 Div 2

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.

-  [BLHV-H-2FT-16L-840-L49-H27.ies](#)
-  [BLHV-H-2FT-16L-840-L49-H27.ies](#)
-  [BLHV-H-2FT-16L-840-L49-H27.ies](#)

Certifications and Listings

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

Icon	Description
	Hazardous Location Ready
	Wireless Controls Available
	ETL Listed
	NEMA4X Rated
	IP67 Rated
	NSF Rated
	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
Food Processing Plants
Manufacturing Facilities
Storage & Warehousing
Wash Bays And Wet Environments
Outdoor Parking Structures
Agricultural Barns

Warranty Statement

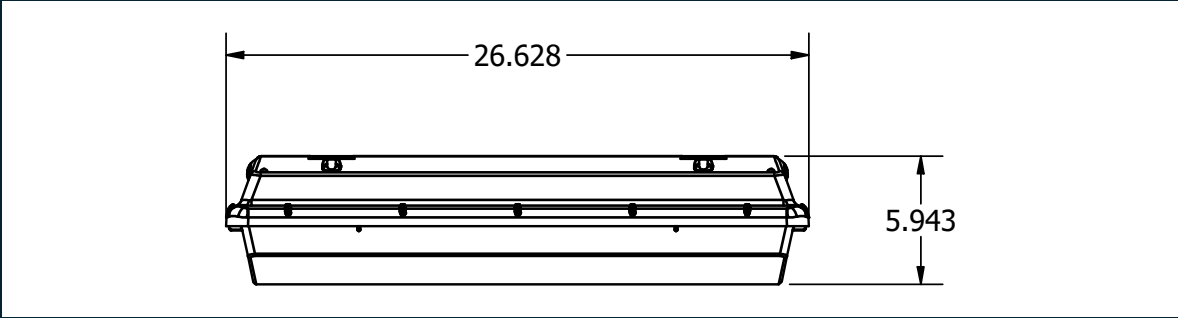
BJ Take products are tested and/or inspected prior to being packaged for shipment and are guaranteed from the day the product is shipped for a period of ten-year LED chip warranty and a five-year comprehensive component warranty. This can be upgraded to a ten-year comprehensive warranty on request.

BLHV-H27

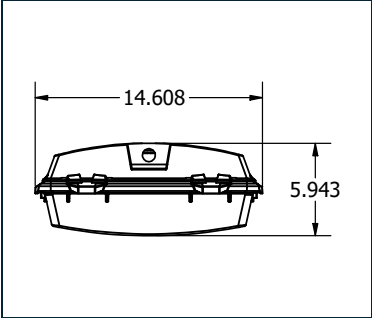
HAZLOC Vapour Proof High Bay | Dimensions



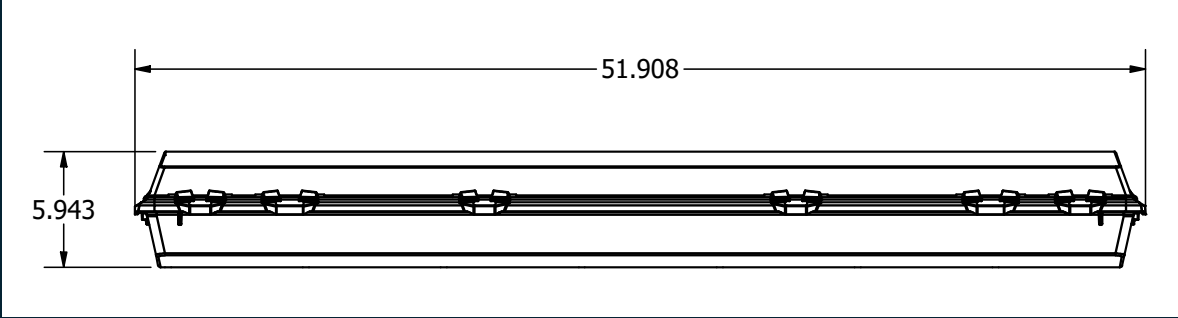
BLHV-H27, 2 Foot, Side Dims



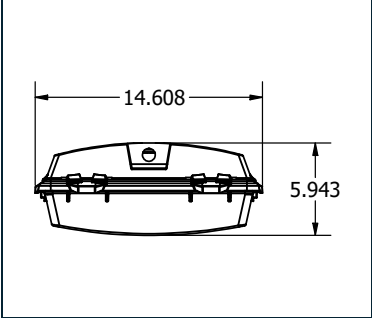
2FT End View



BLHV-H27, 4 Foot, Side Dims



4FT End View



BLHV-H27, 2 Foot, Wattage

Length	Size	Lumen Output	Fixture Wattage	Lumens per Watt
2'	10	10208	69.21	147.50
2'	12	11768	80.43	146.30
2'	14	13334	91.88	145.10
2'	16	14874	103.33	143.90
2'	18	16820	116.52	144.40
2'	20	18772	129.71	144.70

BLHV-H27, 4 Foot, Wattage

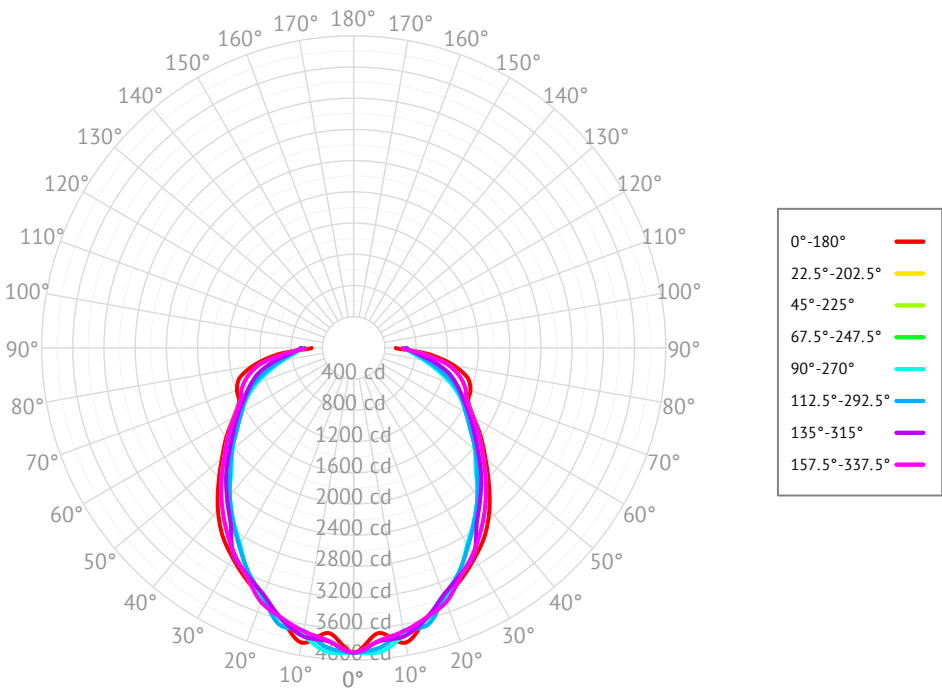
Length	Size	Lumen Output	Fixture Wattage	Lumens per Watt
4'	24	22720	156.08	145.60
4'	32	29630	203.69	145.50

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

BLHV-H-2'-12L-840-L49-H27

Cone of Light

Mtg Height	Light Level	Beam Diameter
6.0 ft	108.5 fc	17.7 ft
8.0 ft	61.0 fc	23.5 ft
10.0 ft	39.0 fc	29.4 ft
12.0 ft	27.1 fc	35.3 ft
14.0 ft	19.9 fc	41.2 ft
16.0 ft	15.3 fc	47.1 ft

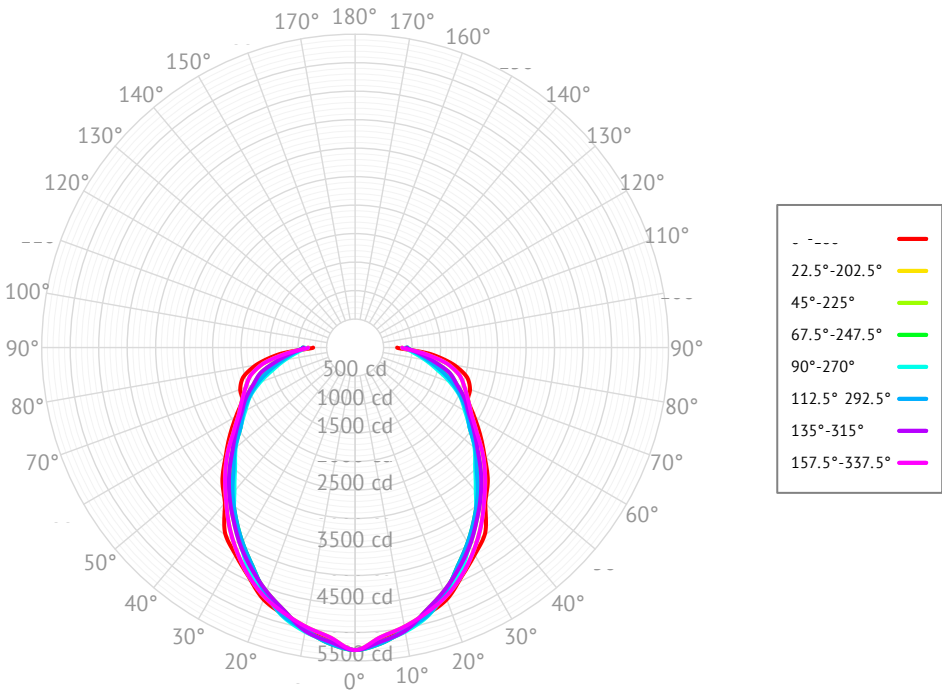


Based on BLHV-H-2FT-12L-840-L49-H27.

BLHV-H-2'-16L-840-L49-H27

Cone of Light

Mtg Height	Light Level	Beam Diameter
6.0 ft	147.5 fc	17.5 ft
8.0 ft	82.9 fc	23.3 ft
10.0 ft	53.1 fc	29.1 ft
12.0 ft	36.9 fc	34.9 ft
14.0 ft	27.1 fc	40.7 ft
16.0 ft	20.7 fc	46.6 ft

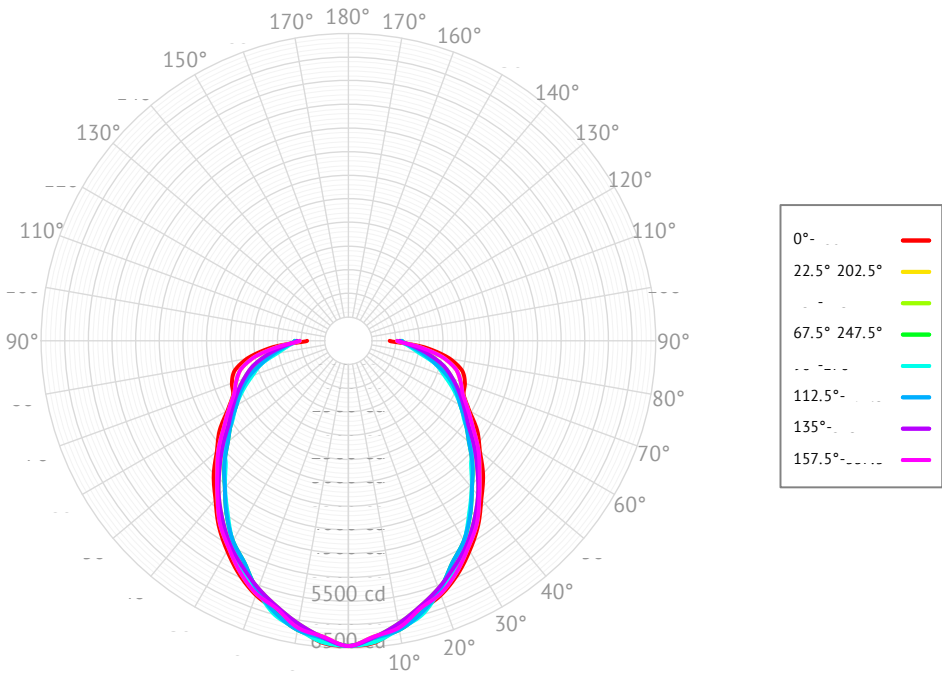


Based on BLHV-H-2FT-16L-840-L49-H27.

BLHV-H-2'-20L-840-L49-H27

Cone of Light

Mtg Height	Light Level	Beam Diameter
6.0 ft	179.3 fc	18.0 ft
8.0 ft	100.9 fc	24.0 ft
10.0 ft	64.6 fc	30.0 ft
12.0 ft	44.8 fc	36.0 ft
14.0 ft	32.9 fc	42.1 ft
16.0 ft	25.2 fc	48.1 ft



Based on BLHV-H-2'-20L-840-L49-H27.

Important Information

The relevant protection category that specifies an enclosure's resistance to impacts and shocks is the IK code. The IK code classification is established using a standardized testing method in line with IEC 62262.

IK Ratings

IK Code	Impact Energy	Weight/Height
1	0.150 joules / 1.33 Inch #	.150kg : 100mm -- 3 15/16 Inch
2	0.200 joules / 1.77 Inch #	.150kg : 133mm -- 5 15/16 Inch
3	0.350 joules / 3.01 Inch #	.150kg : 250mm -- 9 27/32 Inch
4	0.500 joules / 4.43 Inch #	.150kg : 333mm -- 13 7/64 Inch
5	0.700 joules / 6.20 Inch #	.150kg : 500mm -- 19 11/16 Inch
6	1.00 joules / 8.85 Inch #	.500kg : 200mm -- 7 7/8 Inch
7	2.00 joules / 17.70 Inch #	.500kg : 400mm -- 15 3/4 Inch
8	5.00 joules / 44.25 Inch #	1.7kg : 300mm -- 11 13/16 Inch
9	10.00 joules / 88.51 Inch #	5kg : 200mm -- 7 7/8 Inch
10	20.00 joules / 177.01 Inch #	5kg : 400mm -- 15 3/4 Inch

IK Ratings

Criteria	SLP Lens	IK Rating Area 1	IK Rating Area 2	IK Rating Area 3
L49 - 2' Frosted Acrylic Lens	CT4S-DIRA-FR50	10	10	10
L49 - 4' Frosted Acrylic Lens	CT4-DIRA-FR50	10	10	10
L55 - 2' Clear Acrylic Lens	CT4S-DIRA	10	10	10
L55 - 4' Clear Acrylic Lens	CT4-DIRA	10	10	10
L59 - 2' Frosted Polycarbonate Lens	CT4S-DP-FR50	9	10	10
L59 - 4' Frosted Polycarbonate Lens	CT4-DP-FR50	10	10	10