

BLV-H27

HAZLOC Vapour Proof



Project	
Nomenclature	
Type	Date
Approval	
Notes	

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

Luminaire Summary

Features

- Operating temperature ranges available from -29C to 35C
- L70 of 146,000+ hours, L90 of 42,000+ hours
- Standard 0 - 10V dimming
- Available in 2700K, 3000K, 3500K, 4000K, 5000K and 6500K

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
- IP67 Rated
- NSF Rated
- NEMA4X Rated

Mounting

- Brackets provided for surface and suspension mounting

Construction

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

Electrical

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

Options

- Cords Available
- Wireless Controls Available
- 90 and 95+ CRI Options Available

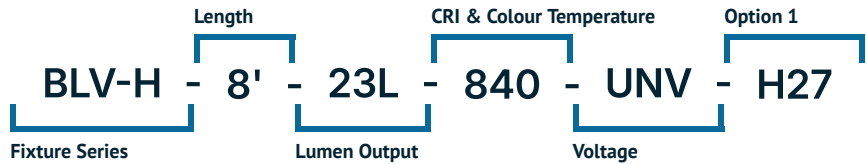
BLV-H27

HAZLOC Vapour Proof | Nomenclature



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
BLV-H				

Series	Length & Lumen Output		CRI	Colour Temp	Voltage		
BLV-H	2' - 2.5L	(2353 lm)	4' - 11.5L	(11500 lm)	8 - 80 CRI	27 - 2700K	UNV - 120-277V
	2' - 3.5L	(3294 lm)	8' - 5L	(5000 lm)	9 - 90 CRI	30 - 3000K	347 - 347V
	2' - 4.5L	(4271 lm)	8' - 7L	(7000 lm)	1 - 95+ CRI	35 - 3500K	480 - 480V
	4' - 2.5L	(2500 lm)	8' - 9L	(9000 lm)		40 - 4000K	
	4' - 3.5L	(3500 lm)	8' - 11L	(11000 lm)		50 - 5000K	
	4' - 4.5L	(4500 lm)	8' - 13L	(13000 lm)		65 - 6500K	
	4' - 5.5L	(5500 lm)	8' - 15L	(15000 lm)			
	4' - 6.5L	(6500 lm)	8' - 17L	(17000 lm)			
	4' - 7.5L	(7250 lm)	8' - 19L	(19000 lm)			
	4' - 8.5L	(8500 lm)	8' - 21L	(21000 lm)			
	4' - 9.5L	(9500 lm)	8' - 23L	(23000 lm)			
	4' - 10.5L	(10500 lm)					

6	H27
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Options

Lenses

L16 Ribbed Frosted Acrylic

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 Standard White Nylon Latches
- H4 Stainless Steel Latches

Tamper Resistance

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

Mounting

- M3xx Y-Toggle Aircraft Cables
- M33 Dual-Pendant Mounting Bracket
- M34 45° Mounting Brackets
- 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

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.

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

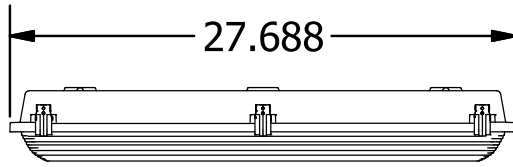
Warranty Statement

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.

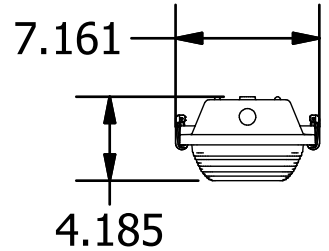
BLV-H27

HAZLOC Vapour Proof | Dimensions

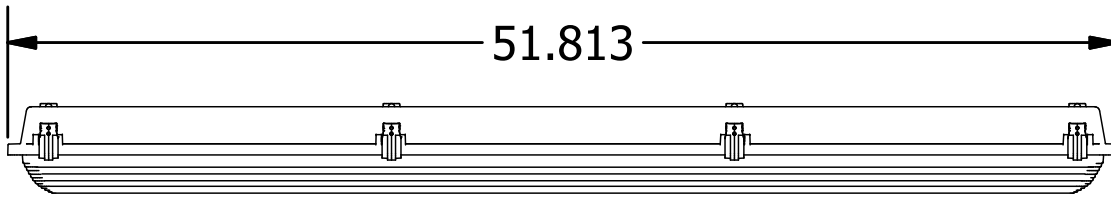
BLV-H27, 2 Foot, Side Dims



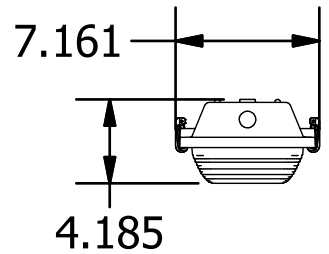
2FT L16/L17 Lens



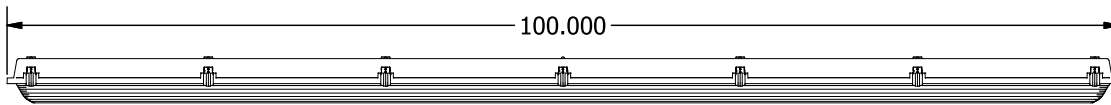
BLV-H27, 4 Foot, Side Dims



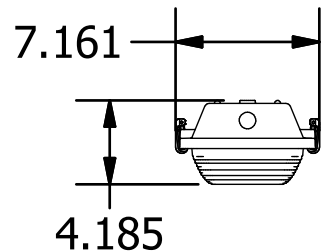
4FT L16/L17 Lens



BLV-H27, 8 Foot, Side Dims



8FT L16/L17 Lens



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

BLV-H27

HAZLOC Vapour Proof | Wattage



Important Information

Below you will find the available wattage charts for the BLV-H27. For any required specifications that are not listed here, please contact our sales team at sales@bjtake.com to request any additional information.

BLV-H27, 2 Foot, Wattage

Length	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per Watt
2'	2.50	2505	17.77	141.00
2'	3.50	3414	24.49	139.40
2'	4.50	4301	31.21	137.80

BLV-H27, 4 Foot, Wattage

Length	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per Watt
4'	2.50	2509	17.90	139.90
4'	3.50	3419	24.70	138.30
4'	4.50	4307	31.50	136.70
4'	5.50	5395	38.30	140.90
4'	6.50	6540	45.10	145.10
4'	7.50	7564	51.50	147.00
4'	8.50	8551	58.40	146.50
4'	9.50	9532	65.30	146.00
4'	10.50	10506	72.20	145.60
4'	11.50	11474	79.10	145.10

BLV-H27, 8 Foot, Wattage

Length	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per Watt
8'	5.00	5194.00	33.78	153.80
8'	7.00	7166.00	47.13	152.00
8'	9.00	9383.00	61.82	151.80
8'	11.00	11447.00	75.60	151.40
8'	13.00	13504.00	89.30	151.20
8'	15.00	15554.00	103.00	151.00
8'	17.00	17596.00	116.80	150.70
8'	19.00	19631.00	130.50	150.40
8'	21.00	21658.00	144.30	150.10
8'	23.00	23677.00	158.00	149.90

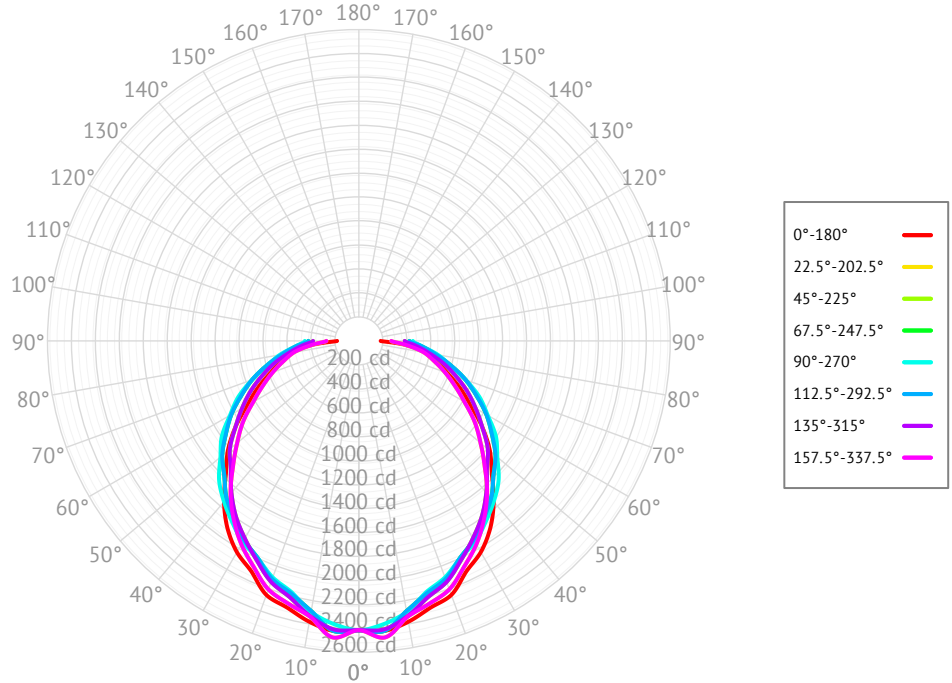
BLV-H27

HAZLOC Vapour Proof | Photometrics

BLV-H-4'-7.5L-840-L16-H27

Cone of Light

Mtg Height	Light Level	Beam Diameter
6.0 ft	67.1 fc	17.4 ft
8.0 ft	37.8 fc	23.2 ft
10.0 ft	24.2 fc	29.1 ft
12.0 ft	16.8 fc	34.9 ft
14.0 ft	12.3 fc	40.7 ft
16.0 ft	9.4 fc	46.5 ft

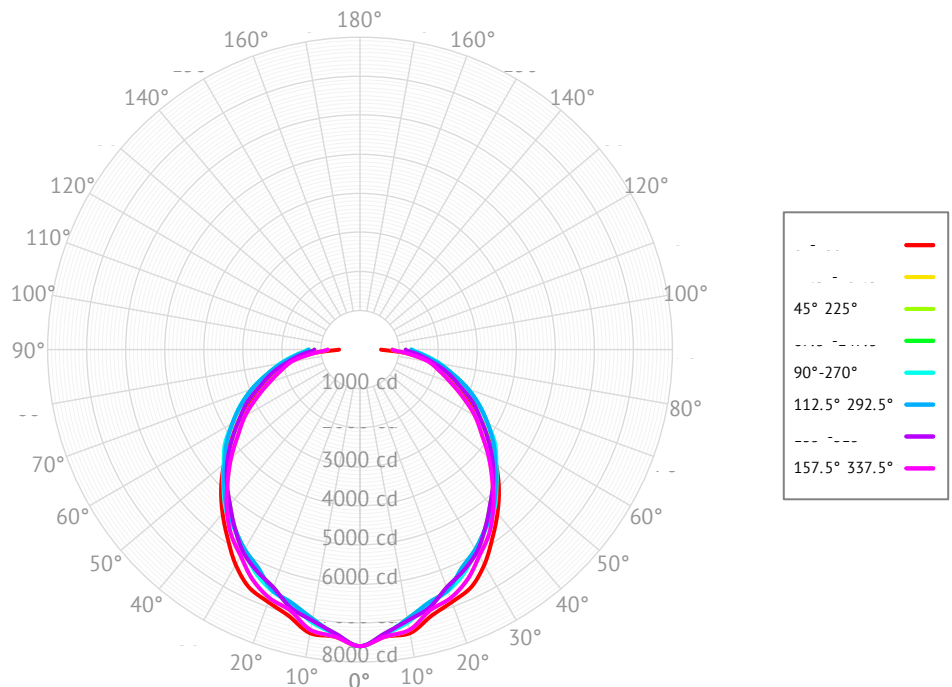


Based on BLV-H-4'-7.5L-840-L16-H27, ie. (BLV-H, 4 foot, 7500lm, 80 CRI, 4000K, w/ L16 Lens)

BLV-H-8'-23L-840-L16-H27

Cone of Light

Mtg Height	Light Level	Beam Diameter
6.0 ft	211.0 fc	18.8 ft
8.0 ft	118.7 fc	25.0 ft
10.0 ft	76.0 fc	31.3 ft
12.0 ft	52.7 fc	37.5 ft
14.0 ft	38.8 fc	43.8 ft
16.0 ft	29.7 fc	50.0 ft



Based on BLV-H-8'-23L-840-L16-H27, ie. (BLV-H, 8 foot, 23000lm, 80 CRI, 4000K, w/ L16 Lens)

BLV-H27

HAZLOC Vapour Proof | IK Rating



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
L16 - 2' Ribbed Frosted Acrylic Lens	CT2-DIRA-2L2-FR50	9	9	9
L16 - 4' Ribbed Frosted Acrylic Lens	CT2-DIRA-2L4-FR50	9	9	9
L16 - 8' Ribbed Frosted Acrylic Lens	CT2-DIRA-2L8-FR50	9	10	10