

BLVN-H27

HAZLOC Narrow Vapour Proof



Project	
Nomenclature	
Type	Date
Approval	
Notes	

The BLVN-H27 is a narrow body 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
- Lumen packages are available ranging from 2.5L (2500lm) to 7.5L (7500lm)

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

- 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

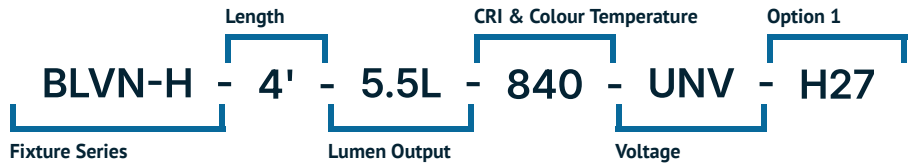
BLVN-H27

HAZLOC Narrow 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	6
BLVN-H					

Series	Length	Lumen Output	CRI	Colour Temp	Voltage
BLVN-H	4' - 4' (ft)	2.5L (2500lm)	8 - 80 CRI	27 - 2700K	UNV - 120-277V
		3.5L (3500lm)	9 - 90 CRI	30 - 3000K	347 - 347V
		4.5L (4500lm)	1 - 95+ CRI	35 - 3500K	480 - 480V
		5.5L (5500lm)		40 - 4000K	
		6.5L (6500lm)		50 - 5000K	
		7.5L (7500lm)		65 - 6500K	

7	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
- 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

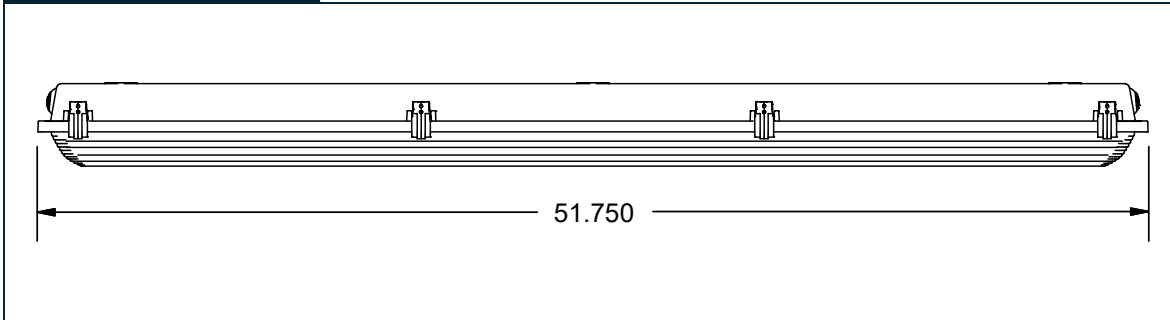
Warranty Statement

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.

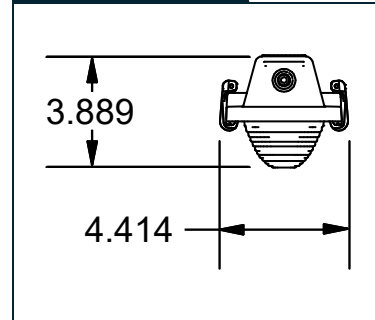
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HAZLOC Narrow Vapour Proof | Dimensions

BLVN, 4 Foot, Side Dims



4FT L16/L17 Lens



BLVN-H27, 4 Foot, Wattage

Length	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per Watt
4'	2.50	2509	17.71	141.67
4'	3.50	3410	24.20	140.91
4'	4.50	4301	30.69	140.14
4'	5.50	5212	36.73	141.90
4'	6.50	6184	42.77	144.59
4'	7.50	7101	48.81	145.48

BLVN-H27, 4 Foot, Light Loss Factor

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

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

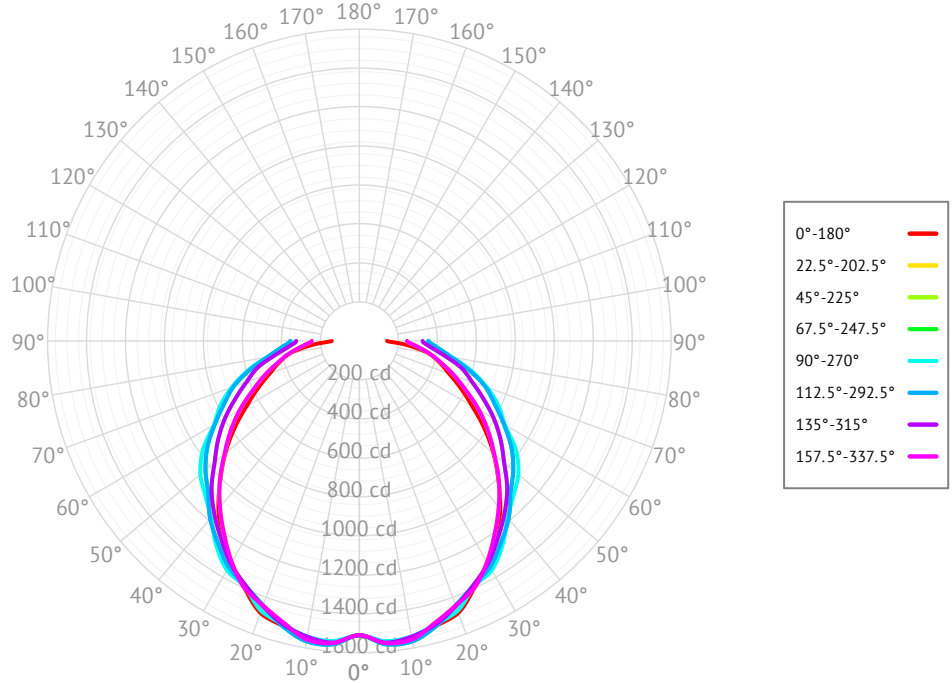
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HAZLOC Narrow Vapour Proof | Photometrics

BLVN-4'-5.5L-840-L16-H27

Cone of Light

Mtg Height	Light Level	Beam Diameter
6.0 ft	42.0 fc	17.1 ft
8.0 ft	23.6 fc	22.9 ft
10.0 ft	15.1 fc	28.6 ft
12.0 ft	10.5 fc	34.3 ft
14.0 ft	7.7 fc	40.0 ft
16.0 ft	5.9 fc	45.7 ft



Based on 'BLVN-4'-5.5L-840-L16-H27', ie. (BLVN-H, 4 foot, 5500lm, 80 CRI, 4000K, w/ L16 Ribbed frosted Acrylic Lens)

BLVN-H27

HAZLOC Narrow 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 - 4' Ribbed Frosted Acrylic Lens	CT2-DIRA-1L4-FR50	9	9	9