

The Haliburton Series

BLVN-H27 - Hazloc Vapour Proof

Project

Date

Part

Type



About The Haliburton Series

The BLVN-H27 series is a series of narrow body LED linear hazardous location fixtures designed for surface and suspended mounting. It is well suited for indoor or outdoor use where there is a high probability of moisture and exposure to dust. Its unique, IP67 certified body makes it ideal in environments where vapour proof efficiency and performance are a factor. The fixture is rated for standard operation at temperatures as low as -30°C. For environments requiring even more extreme conditions, an optional upgrade rated for -40°C is available.

Specifications

Supported Voltage	120-277V, 347V, 480V
Available Sizes	4'
Lumen Output	2.5L (2500lm) to 11.5L (11500lm)
Lifetime	L70 of 146,000+ hours, L90 of 42,000+ hours
CCT	2700K, 3000K, 3500K, 4000K, 5000K, 6500K
CRI	80+ standard, 90+ and 95+ available
Dimming	0-10V Standard
Mounting	Brackets provided for surface and suspension mounting; Pendant-mounting available

Approvals

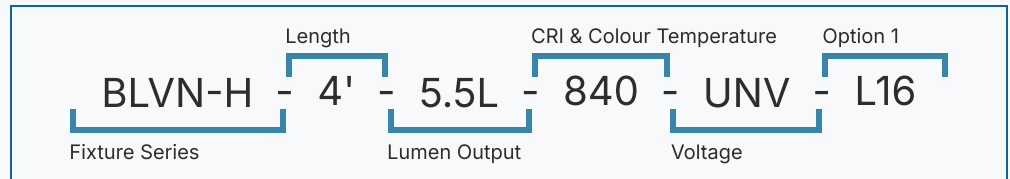
- NSF Rated
- IP67 Rated
- NEMA4X Rated
- ETL Listed
- DLC Listed
- Class 1 Div 2 Groups ABCD
- Class 2 Div 2 Groups FG
- Class 3 Div 2
- Designed and Manufactured in Canada

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Vapour-Proof Lighting by **BJTAKE** LIGHTING

Please use the diagram to the right as an example of a completed order code. If you need any assistance contact your local sales representative.



1	2	3	4	5	6
Series	Length	Lumen Output	CRI	CCT	Voltage
BLVN-H	4'	2.5L 2500 lm	8	27 2700K	UNV 120-277V
		3.5L 3500 lm	9	30 3000K	347 347V
		4.5L 4500 lm	1	35 3500K	480 480V
		5.5L 5500 lm		40 4000K	
		6.5L 6500 lm		50 5000K	
		7.5L 7250 lm		65 6500K	

Options

Hazardous Location

H27	Hazardous Location
Applied Certifications	
Class 1 Div 2 Groups ABCD	
Class 2 Div 2 Groups FG	
Class 3 Div 2	

Lenses

L16	Ribbed Frosted Acrylic
L17	Ribbed Clear Acrylic
L64	Ribbed Frosted Polycarbonate

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

Dimming

B11	0-10V Dimming Leads
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Packaging

BLANK	Individually Boxed on Pallets
PO	Bulk Packaging

Fasteners

BLANK	Standard White Nylon Latches
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

Warranty

CL7	10-Year Comprehensive Warranty Upgrade
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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.

 [BLVN-H27 - Installation Instructions](#)

 [BLVN-H27 - Photometry.zip](#)

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
	ETL Listed
	NEMA4X Rated
	IP67 Rated
	NSF Rated
	90 and 95+ CRI Options Available
	-40C Option Available
	Hazardous Location Ready

Usage Applications

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

Usage Application
Agricultural Barns
Cold Storage & Freezers
Distribution Facilities
Food Processing Plants
Grocery Stores
Logistics & Warehousing
Manufacturing Facilities
Outdoor Parking Structures
Processing Plants
Storage Facilities
Wash Bays & Wet Environments
Suspended
Surface Mount

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 tables for all available sizes of the BLVN-H27.

BLVN 4' Wattage

Length	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per Watt
4'	2.5	2509	17.71	141.67
4'	3.5	3410	24.20	140.91
4'	4.5	4301	30.69	140.14
4'	5.5	5212	36.73	141.90
4'	6.5	6184	42.77	144.59
4'	7.5	7101	48.81	145.48

BLVN-H Light Loss Factor (LLF)

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

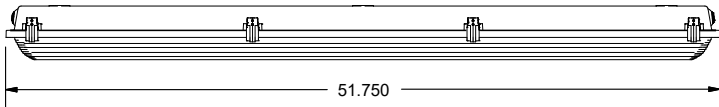
* Actual lumen output may vary

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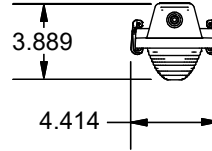
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LIGHTING

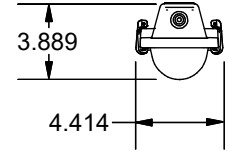
BLVN-H27 4' Side



2' L16/L17 Lens



2' L61/L63 Lens

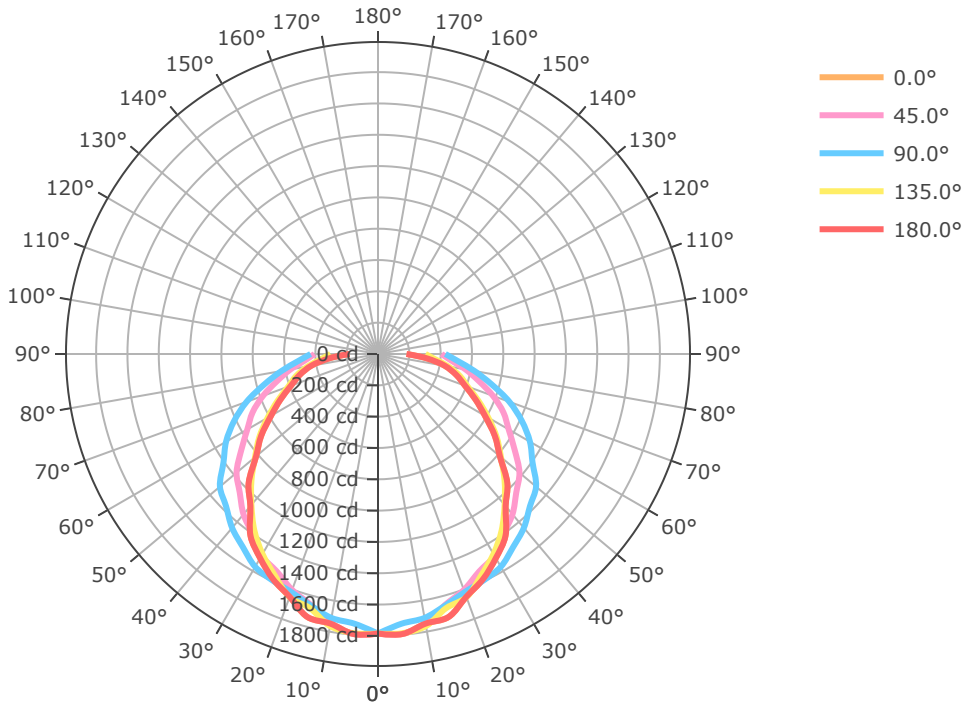


* Drawings not to scale
* Standard tolerances apply
* Specifications may change without notice

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BLVN-H-4'-6.5L-840-L16-H27



Mtg Height	Light Level	Beam Diameter
6.0 ft	49.6 fc	17.6 ft
8.0 ft	27.9 fc	23.5 ft
10.0 ft	17.9 fc	29.4 ft
12.0 ft	12.4 fc	35.2 ft
14.0 ft	9.1 fc	41.1 ft
16.0 ft	7.0 fc	47.0 ft
24.0 ft	3.1 fc	70.5 ft
32.0 ft	1.7 fc	94.0 ft
40.0 ft	1.1 fc	117.5 ft
48.0 ft	0.8 fc	141.0 ft
56.0 ft	0.6 fc	164.4 ft
64.0 ft	0.4 fc	187.9 ft

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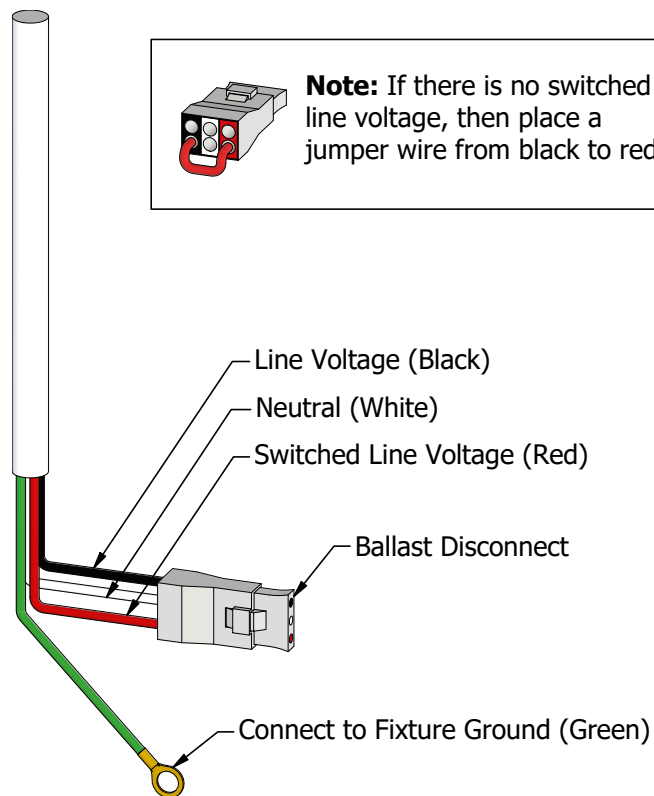
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Emergency Battery Plan - 10W

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.

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Vapour-Proof Lighting by



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
L17 - 4' Ribbed Clear Acrylic Lens	CT2-DIRA-1L4	9	10	9
L16 - 4' Ribbed Frosted Acrylic Lens	CT2-DIRA-1L4-FR50	9	9	9
L26 - 4' Ribbed Clear Polycarbonate Lens	CT2-DP-1L4	10	10	10
L61 - 4' Smooth Clear Acrylic Lens	CT2-CIRA-1L4	10	10	10
L63 - 4' Smooth Frosted Acrylic Lens	CT2-CIRA-1L4-FR50	10	10	10
L65 - 4' Smooth Clear Polycarbonate Lens	CT2-CP-1L4	10	10	10
L71 - 4' Narrow Smooth Polycarbonate Frosted Lens	CT2-CP-1L4-FR50	10	10	10\

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Gallery Information

Below you will find images of relevant products and configurations for the BLVN-H27.

