

The Hudson Series

BLV-H27 - Hazloc Vapour Proof

Project

Date

Part

Type

About The Hudson Series

The BLV-H27 is a series of LED linear hazardous location fixtures. 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. The fixture is rated for standard operation at temperatures as low as -29°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	2', 4', 8'
Lifetime	L70 of 146,000+ hours, L90 of 42,000+ hours
Lumens	2.5L (2500lm) to 23L (23000lm)
Operating Temperature	-29°C/+35°C (-40°/+55°C upgrade)
CCT	2700K, 3000K, 3500K, 4000K, 5000K, 6500K
CRI	80+ standard, 90+ and 95+ available
Dimming	0-10V Standard
Mounting	Surface and suspended

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

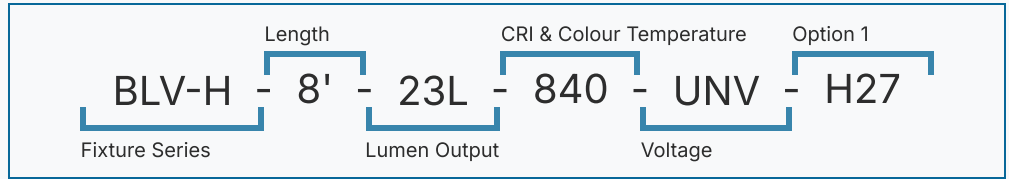
Warranty

- 5 Year Comprehensive, 10 Year LED

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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
BLV-H				

Series	Length & Lumen Output		CRI		CCT		Voltage	
BLV-H	BLV-H	2' - 2.5L 2500 lm	4' - 11.5L 11500 lm	8 80	27 2700K	UNV	120-277V	
		2' - 3.5L 3500 lm	8' - 5L 5000 lm	9 90+	30 3000K	347	347V	
		2' - 4.5L 4500 lm	8' - 7L 7000 lm	1 95+	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						

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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 (2'/4' only)

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
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


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.

 [BLV-H27 Installation Instructions - 2019](#)

 [BLV-H27 - Photometry](#)

Certifications and Listings

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

Icon	Description
	90 and 95+ CRI Options Available
	NSF Rated
	IP67 Rated
	NEMA4X Rated
	ETL Listed
	DLC Listed
	-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
Food Processing Plants
Manufacturing Facilities
Storage & Warehousing
Wash Bays And Wet Environments
Outdoor Parking Structures
Agricultural Barns
Hazardous Locations

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 BLV-H27.

BLV 4' Wattage

Length	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per Watt
4'	2.5	2509	17.9	139.9
4'	3.5	3419	24.7	138.3
4'	4.5	4307	31.5	136.7
4'	5.5	5395	38.3	140.9
4'	6.5	6540	45.1	145.1
4'	7.5	7564	51.5	147.0
4'	8.5	8551	58.4	146.5
4'	9.5	9532	65.3	146.0
4'	10.5	10506	72.2	145.6
4'	11.5	11474	79.1	145.1

BLV 8' Wattage

Length	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per Watt
8'	5.0	5194.0	33.78	153.8
8'	7.0	7166.0	47.13	152.0
8'	9.0	9383.0	61.82	151.8
8'	11.0	11447.0	75.60	151.4
8'	13.0	13504.0	89.30	151.2
8'	15.0	15554.0	103.00	151.0
8'	17.0	17596.0	116.80	150.7
8'	19.0	19631.0	130.50	150.4
8'	21.0	21658.0	144.30	150.1
8'	23.0	23677.0	158.00	149.9

BLV 2' Wattage

Length	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per Watt
2'	2.5	2505	17.77	141.0
2'	3.5	3414	24.49	139.4
2'	4.5	4301	31.21	137.8

BLV Light Loss Factor (LLF)

CCT	Output%
2700K	92.95
3000K	95.51
3500K	96.80
4000K	100.00
5000K	101.28
90CRI	84.72

* Actual lumen output may vary

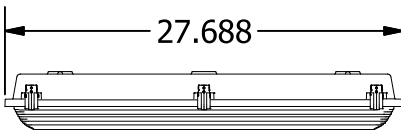
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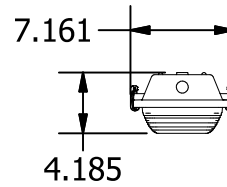
Vapour-Proof Lighting by



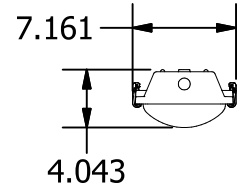
BLV-H27 2' Side



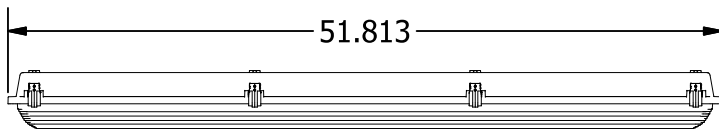
2' L16/L17 Lens



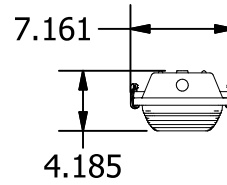
2' L61/L63 Lens



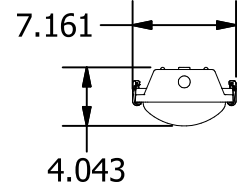
BLV-H27 4' Side



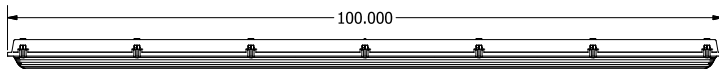
4' L16/L17 Lens



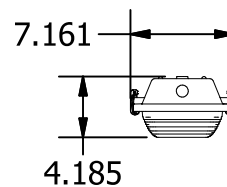
4' L61/L63 Lens



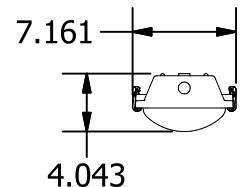
BLV-H27 8' Side



8' L16/L17 Lens



8' L61/L63 Lens



* Drawings not to scale

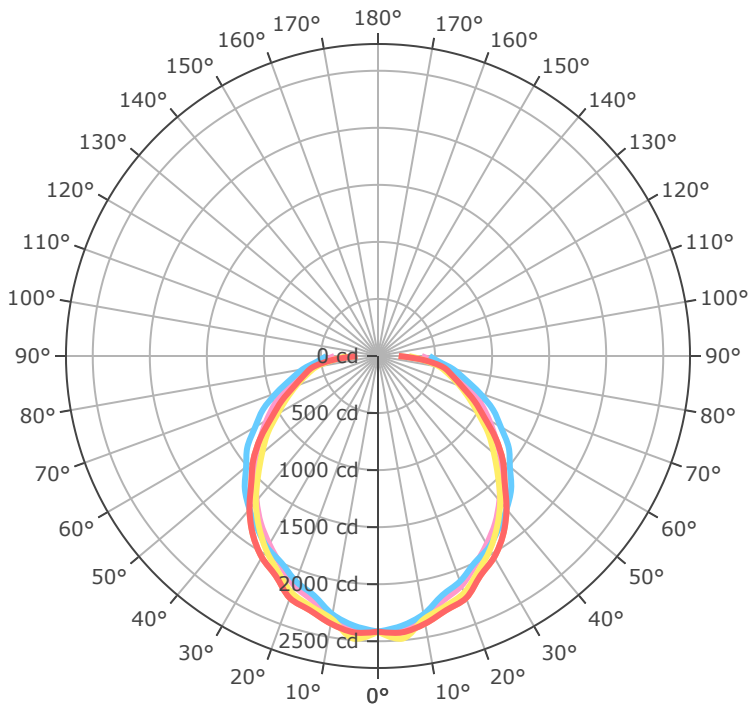
* Standard tolerances apply

* Specifications may change without notice

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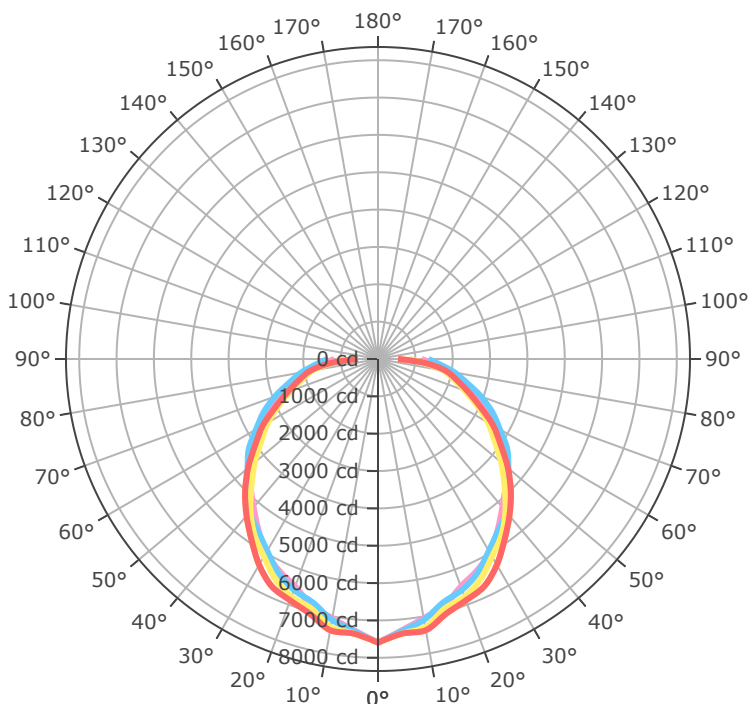
BLV-H-4'-7.5L-840-L16-H27



- 0.0°
- 45.0°
- 90.0°
- 135.0°
- 180.0°

Mtg Height	Light Level	Beam Diameter
6.0 ft	67.1 fc	18.1 ft
8.0 ft	37.8 fc	24.1 ft
10.0 ft	24.2 fc	30.1 ft
12.0 ft	16.8 fc	36.1 ft
14.0 ft	12.3 fc	42.2 ft
16.0 ft	9.4 fc	48.2 ft
24.0 ft	4.2 fc	72.3 ft
32.0 ft	2.4 fc	96.4 ft
40.0 ft	1.5 fc	120.4 ft
48.0 ft	1.0 fc	144.5 ft
56.0 ft	0.8 fc	168.6 ft
64.0 ft	0.6 fc	192.7 ft

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



- 0.0°
- 45.0°
- 90.0°
- 135.0°
- 180.0°

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
24.0 ft	13.2 fc	75.0 ft
32.0 ft	7.4 fc	100.0 ft
40.0 ft	4.7 fc	125.0 ft
48.0 ft	3.3 fc	150.0 ft
56.0 ft	2.4 fc	175.0 ft
64.0 ft	1.9 fc	200.1 ft

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Gallery Information

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

