

The Lambton Series

BLSL - Linear Strip

Project	Date
Part	Type



About The Lambton Series

The BLSL is an LED decorative linear strip luminaire designed for surface and suspended mounting. It is well suited for indoor use where high efficiency, row-mountable task lighting is required.

Specifications

Supported Voltage	120-277V, 347V, 120-347V
Available Sizes	2', 4', 8'
Lifetime	L70 of 99,000+ hours, L90 of 30,000+ hours
Lumens	2' 1.125L (1126lm) to 8' 23L (23191lm)
CCT	2700K, 3000K, 3500K, 4000K, 5000K, 6500K
CRI	80+ standard, 90+ and 95+ available
Dimming	0-10V Standard
Mounting	Holes provided for V-hangers, S-hook chain-mounting, or aircraft cables. Optional pendant mount and row-mount brackets. Knockouts provided for row mounting

Approvals

- Made with UL Listed components
- Dry and Damp Environment Rated
- Designed and Manufactured in Canada

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Linear Lighting by **BJTAKE**
LIGHTING

Ordering Information

Fill in the fields below with your product selections. If you need help with this section, [contact your local sales professional](#).

Length
BLSL - **4'** - **5.5L** - **840** - **UNV** - **L18**
Fixture Series Lumen Output CRI & Colour Temperature Option 1
Voltage

1	2	3	4	5						
BLSL										
Series	Length & Lumen Output		CRI	CCT	Voltage					
BLSL	2' - 2.5L	2353 lm	4' - 11.5L	11500 lm	8	80	27	2700K	UNV	120-277V
	2' - 3.5L	3294 lm	8' - 5L	5000 lm	9	90+	30	3000K	347	347V
	2' - 4.5L	4271 lm	8' - 7L	7000 lm	1	95+	35	3500K	UN3	120-347V
	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								

Options

Lenses

BLANK Frosted Acrylic Lens

Cords

W3xx White 16/3 (Specify Length)

W4xx Black 16/3 (Specify Length)

W59xx White 16/5 (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

Motion Sensors

W26 Photocell Motion Sensor

W57 Dimming Motion Sensor (dims to 50% when unoccupied)

W53* On/Off

W8* High/Low

WX16 Microwave Dimmable Sensor

W** Other Options Available

Wire Guard

G1 Heavy Duty White

G5 Heavy Duty Black

Finish

BLANK Standard Gloss White

C5 Matte Black

CUSTOM* Custom Colour Choice

Dimming

B11 0-10V Dimming Leads

B12 Line voltage dimming

B27 Dim-to-off Driver

B** Other Options Available

Controls

WC10* Encelium Wireless Controls

WC18* NX Wireless Controls

WC19* Avi-on Wireless Controls

WC22* JDRF Wireless Controls

Emergency Driver

B17 UL924 6W Battery Back-up

B24 UL924 10W Battery Back-up

B38 UL924 15W Battery Backup

F8 UL924 Emergency Relay

Packaging

BLANK Individually Boxed on Pallets

P0 Bulk Packaging

P** Other Options Available

Mounting

M1 V-Hangers

M2xx V-Hanger with Aircraft Loop Cables

M3xx Y-Toggle Aircraft Cables

M24 Single Pendant Mount(3/4 Hub)

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

Modular Wiring

W27XYZC Modular Power Cable

W22XY Molex Row Mounting Wiring

Warranty

CL7 10-Year Comprehensive Warranty Upgrade

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Linear Lighting by



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 contactsales@bjtake.com for more information.

 BLSL-4FT-10.5L-840-L18.ies

Certifications and Listings

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

Icon	Description
	Wireless Controls Available
	90 and 95+ CRI Options Available
	120-347V(UN3) Available

Usage Applications

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

Usage Application
Manufacturing Facilities
Storage
Offices
Schools
Retail Stores
Distribution Facilities
Processing Plants
Aisle Lighting

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 available wattage tables for the BLSL. More information is available upon request.

BLSL 4' Wattage

Size	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per watt
4'	2.5	2603	17.9	145.2
4'	3.5	3673	25.6	143.5
4'	4.5	4716	33.3	141.8
4'	5.5	5734	40.9	140.1
4'	6.5	6725	48.6	138.4
4'	7.5	7690	56.3	136.7
4'	8.5	8629	63.9	135.0
4'	9.5	9542	71.6	133.3
4'	10.5	10430	79.3	131.6
4'	11.5	11291	86.9	129.9

BLSL 8' Wattage

Size	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per watt
8'	5	5345	35.7	149.6
8'	7	7541	51.0	147.9
8'	9	9683	66.3	146.1
8'	11	11772	81.5	144.4
8'	13	13807	96.8	142.6
8'	15	15789	112.1	140.9
8'	17	17717	127.4	139.1
8'	19	19591	142.6	137.4
8'	21	21412	157.9	135.6
8'	23	23191	173.3	133.9

BLSL 2' Wattage

Size	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per watt
2'	1.75	1755	11.1	158.3
2'	2.25	2253	14.7	153.6
2'	2.75	2753	18.5	148.5

BLSP 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

The Lambton Series

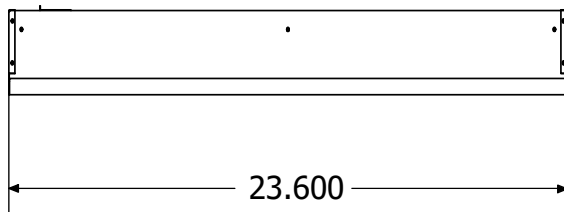
BLSL - Linear Strip

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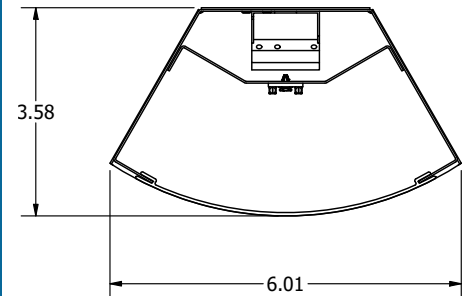
Dimension Information

Below you will find the dimensions for the available sizes of the BLSL. More sizes and dimensions are available on request.

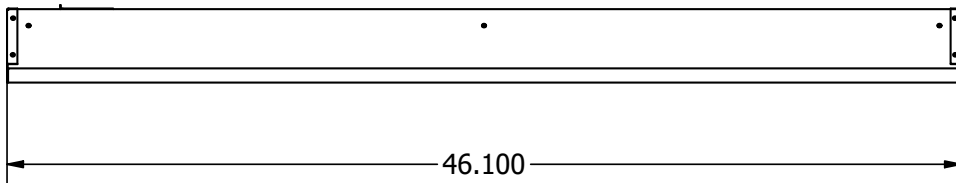
BLSL 2' Side



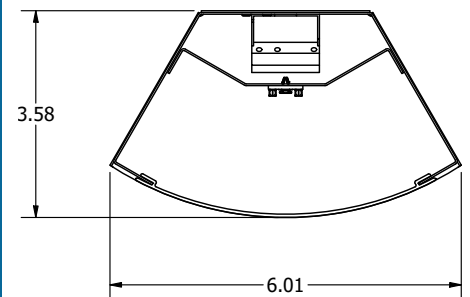
End Dimensions



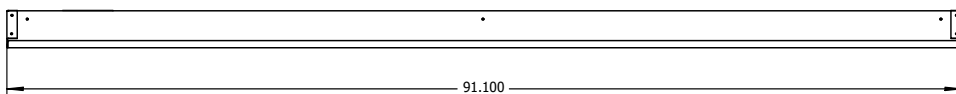
BLSL 4' Side



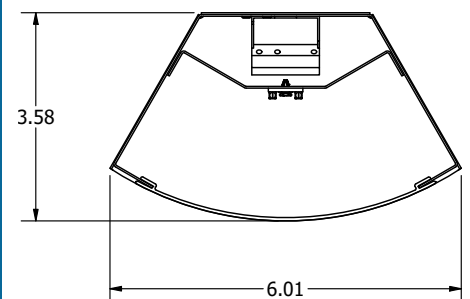
End Dimensions



BLSL 8' Side



End Dimensions



* Drawings aren't to scale

* Standard tolerances apply

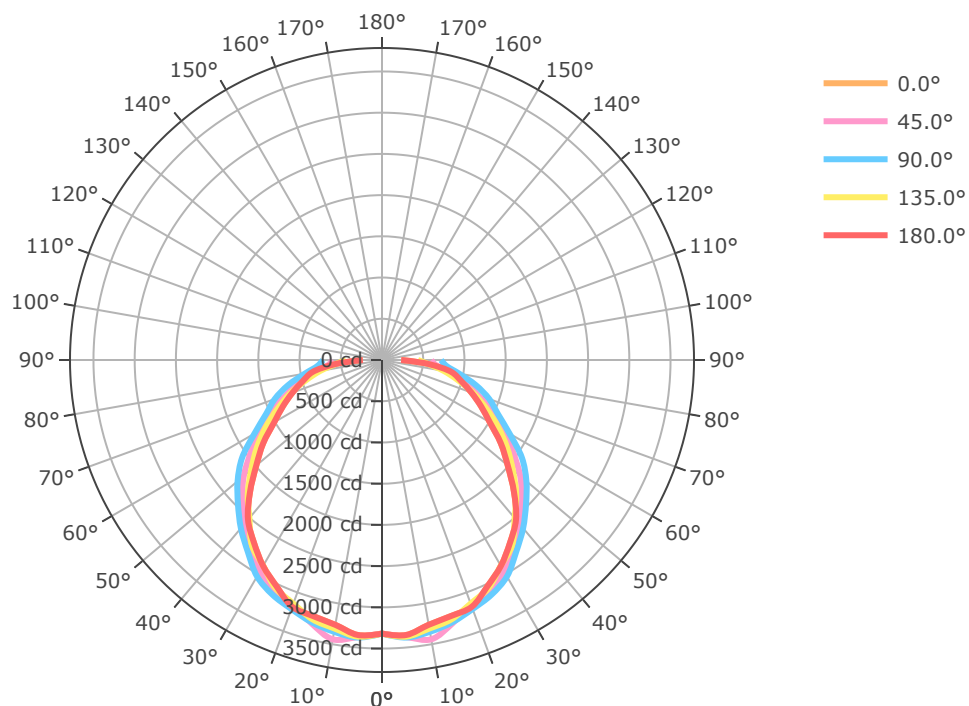
* Specifications may change without notice

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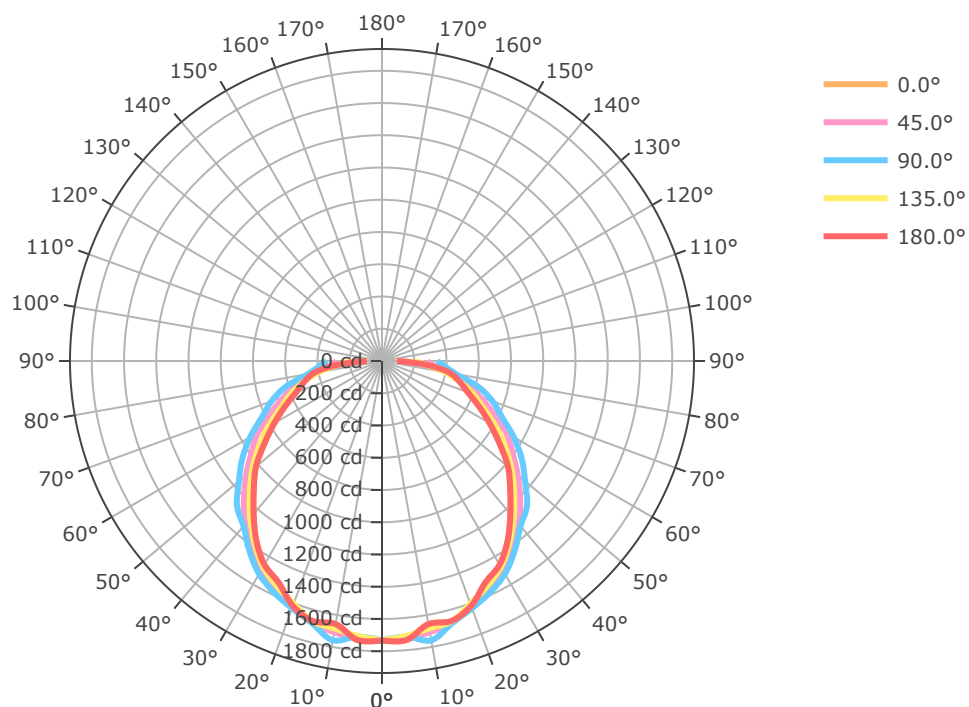
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BLSL-4FT-11.5L-840-L18



Mtg Height	Light Level	Beam Diameter
6.0 ft	92.2 fc	18.5 ft
8.0 ft	51.9 fc	24.6 ft
10.0 ft	33.2 fc	30.8 ft
12.0 ft	23.0 fc	37.0 ft
14.0 ft	16.9 fc	43.1 ft
16.0 ft	13.0 fc	49.3 ft
24.0 ft	5.8 fc	73.9 ft
32.0 ft	3.2 fc	98.6 ft
40.0 ft	2.1 fc	123.2 ft
48.0 ft	1.4 fc	147.8 ft
56.0 ft	1.1 fc	172.5 ft
64.0 ft	0.8 fc	197.1 ft

BLSL-4FT-5.5L-840-L18



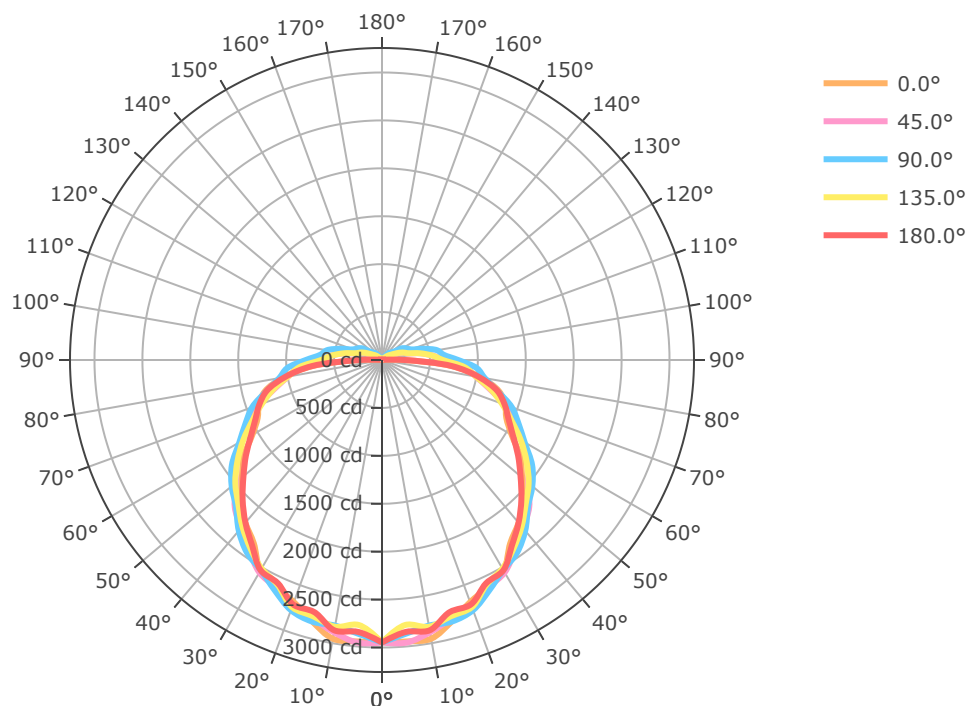
Mtg Height	Light Level	Beam Diameter
6.0 ft	48.1 fc	17.8 ft
8.0 ft	27.1 fc	23.7 ft
10.0 ft	17.3 fc	29.6 ft
12.0 ft	12.0 fc	35.6 ft
14.0 ft	8.8 fc	41.5 ft
16.0 ft	6.8 fc	47.4 ft
24.0 ft	3.0 fc	71.1 ft
32.0 ft	1.7 fc	94.9 ft
40.0 ft	1.1 fc	118.6 ft
48.0 ft	0.8 fc	142.3 ft
56.0 ft	0.6 fc	166.0 ft
64.0 ft	0.4 fc	189.7 ft

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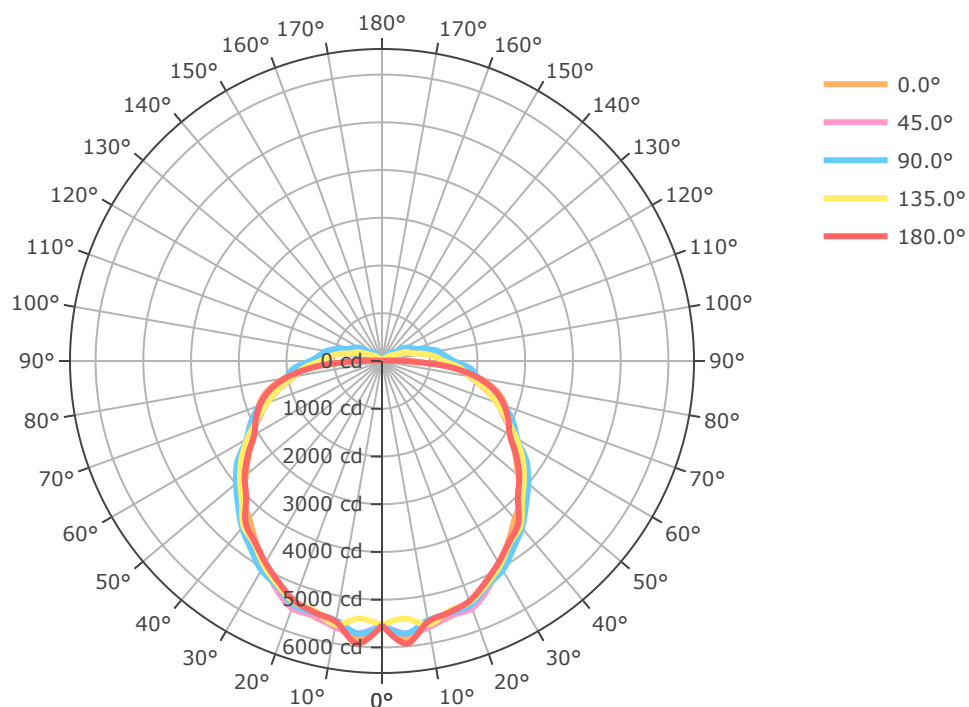
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BLSL-8FT-11L-840-L18



Mtg Height	Light Level	Beam Diameter
6.0 ft	81.9 fc	23.9 ft
8.0 ft	46.1 fc	31.9 ft
10.0 ft	29.5 fc	39.9 ft
12.0 ft	20.5 fc	47.9 ft
14.0 ft	15.0 fc	55.9 ft
16.0 ft	11.5 fc	63.8 ft
24.0 ft	5.1 fc	95.8 ft
32.0 ft	2.9 fc	127.7 ft
40.0 ft	1.8 fc	159.6 ft
48.0 ft	1.3 fc	191.5 ft
56.0 ft	0.9 fc	223.5 ft
64.0 ft	0.7 fc	255.4 ft

BLSL-8FT-23L-840-L18



Mtg Height	Light Level	Beam Diameter
6.0 ft	153.7 fc	32.1 ft
8.0 ft	86.4 fc	42.8 ft
10.0 ft	55.3 fc	53.5 ft
12.0 ft	38.4 fc	64.1 ft
14.0 ft	28.2 fc	74.8 ft
16.0 ft	21.6 fc	85.5 ft
24.0 ft	9.6 fc	128.3 ft
32.0 ft	5.4 fc	171.0 ft
40.0 ft	3.5 fc	213.8 ft
48.0 ft	2.4 fc	256.6 ft
56.0 ft	1.8 fc	299.3 ft
64.0 ft	1.4 fc	342.1 ft

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Gallery Information

Below you will find images of relevant products and configurations for the BLSL.

