

# 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

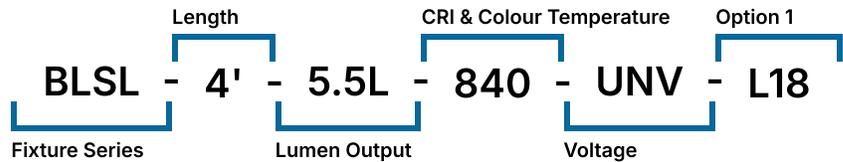
- Made with UL Listed components
- Dry and Damp Environment Rated
- Designed and Manufactured in Canada

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## 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				
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 contact [sales@bjtake.com](mailto:sales@bjtake.com) for more information.

 [BLSL Installation Instructions](#)

 [BLSL - Photometry](#)

## 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

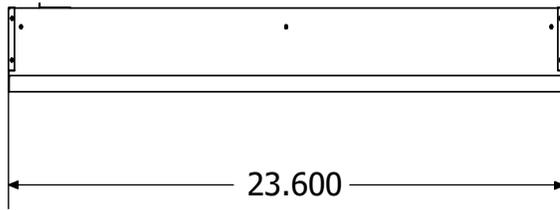
BLSL - Linear Strip

Linear Lighting by **BJTAKE**  
LIGHTING

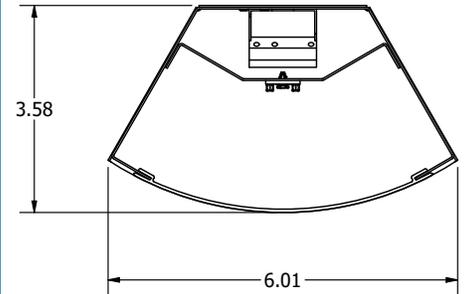
## Dimension Information

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

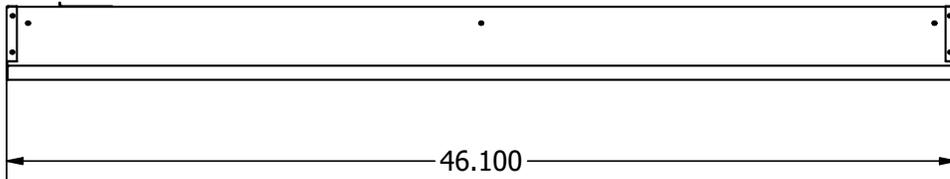
### BLSL 2' Side



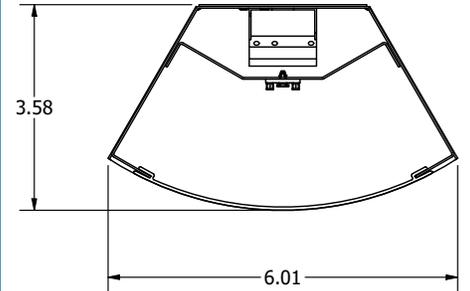
### End Dimensions



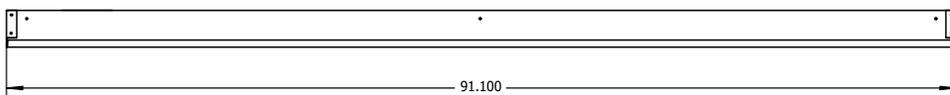
### BLSL 4' Side



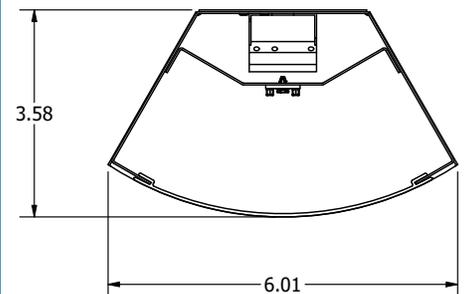
### End Dimensions



### BLSL 8' Side



### End Dimensions



\* Drawings not to scale

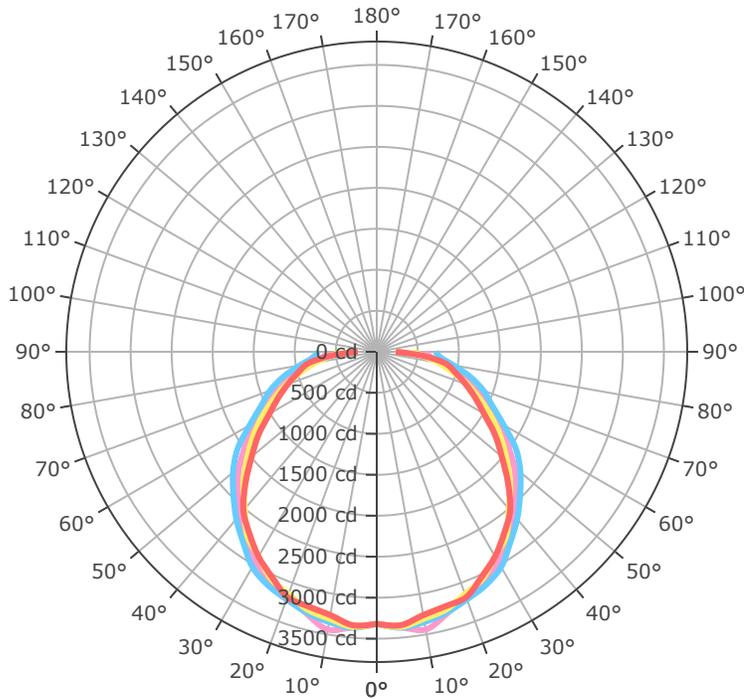
\* Standard tolerances apply

\* Specifications may change without notice

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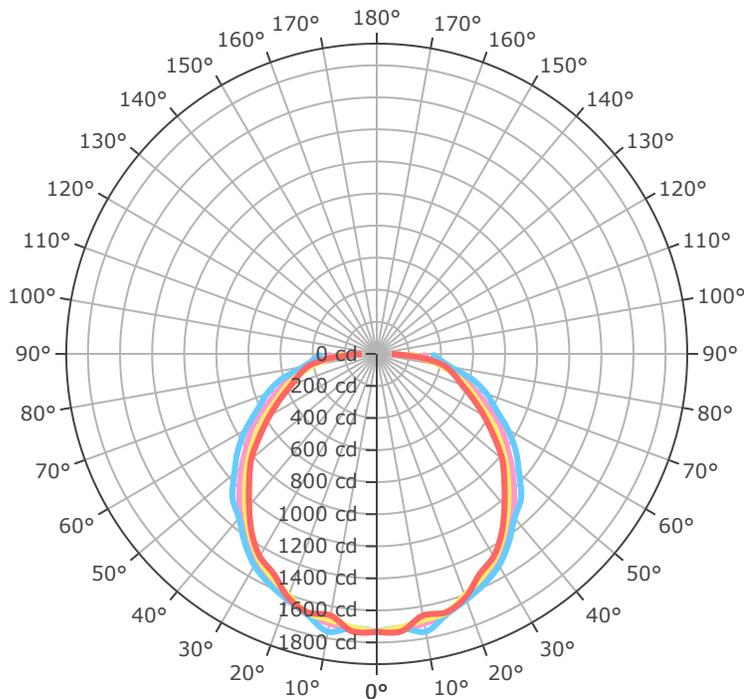
## BLSL-4FT-11.5L-840-L18



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

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



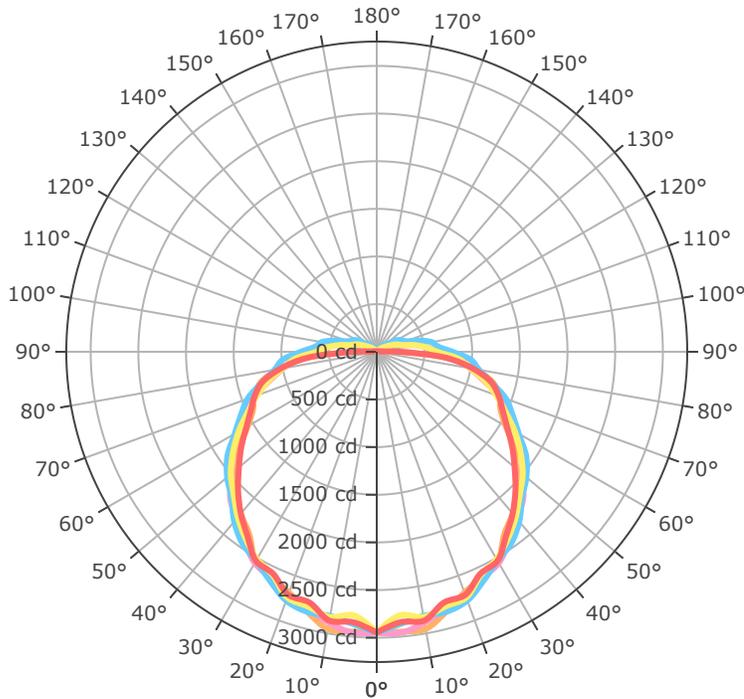
- 0.0°
- 45.0°
- 90.0°
- 135.0°
- 180.0°

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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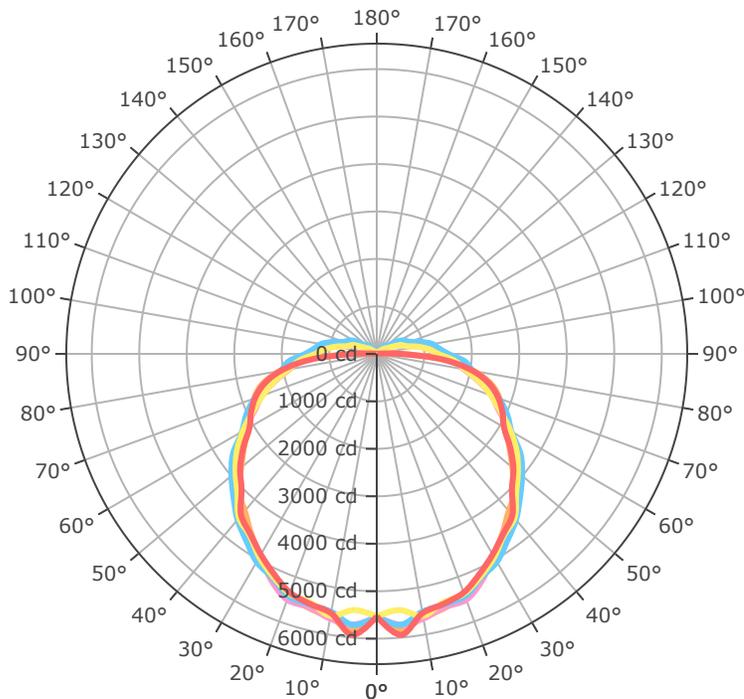
## BLSL-8FT-11L-840-L18



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

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



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

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

## Gallery Information

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

