

# The Temagami Series

BLLBT - Suspended Mount True Length Low Bay

Project

Date

Part

Type



## About The Temagami Series

The BLLBT is a series of DLC Listed, ETL certified LED true-length fixtures designed for retail spaces. It provides energy-efficient lighting, outstanding performance, and easy maintenance.

## Specifications

Supported Voltage	120-277V, 347V, 120-347V
Available Sizes	2' (24"), 4' (48"), 8' (96") - true length
Lifetime	L70 of 110,000+ hours, L90 of 34,000+ hours
Lumens	2' 1.75L(1750lm) - 8' 23L (23000lm)
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. Pendant mount and surface mount brackets available.

## Approvals

- DLC Listed
- ETL Listed
- Dry and Damp Environment Rated
- Designed and Manufactured in Canada

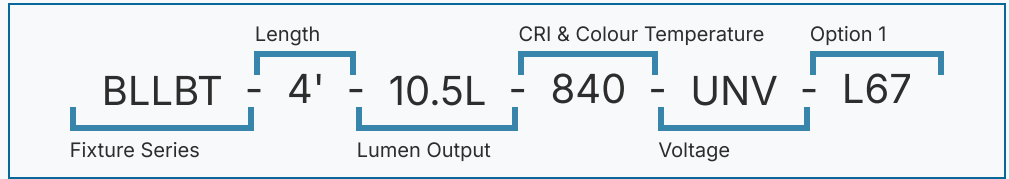
## Warranty

- | 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.



Series	Length	Lumen Output		CRI	CCT	Voltage
BLLBT	2'	2'-1.75L	1750lm	8	27 2700K	UNV 120-277V
		2'-2.25L	2250lm	9	30 3000K	347 347V
	4'	2'-2.75L	2750lm	1	35 3500K	UN3 120-347V
		4'-2.5L	2500lm	0	40 4000K	
	8'	4'-3.5L	3500lm	THRIVE	50 5000K	
		4'-4.5L	4500lm		65 6500K	
		4'-5.5L	5500lm			
		4'-6.5L	6500lm			
		4'-7.5L	7500lm			
		4'-8.5L	8500lm			
		4'-9.5L	9500lm			
		4'-10.5L	10500lm			
		4'-11.5L	11500lm			
		8'-5L	5000lm			
		8'-6L	6000lm			
		8'-7L	7000lm			
8'-8L		8000lm				
8'-9L		9000lm				
8'-11L	11000lm					
8'-13L	13000lm					
8'-15L	15000lm					
8'-17L	17000lm					
8'-19L	19000lm					
8'-21L	21000lm					
8'-23L	23000lm					

## Options

### Lenses

L0	No Lens
L55	Clear Acrylic
L67	Frosted Acrylic (Impact Resistant)

### Cords

W3xx	White 16/3 (Specify Length)
W4xx	Black 16/3 (Specify Length)
W59xx	White 18/5 (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

### Dimming

B11	0-10V Dimming Leads
B12	Line Voltage Dimming
B27	Dim-to-off Driver

### Wireless Controls

WCAWN	Lutron Athena (Node)
WCAWNS	Lutron Athena (Sensor)
WC10	Encelium
WC18	NX Wireless
WC19	Avi-on
WC22	JDRF Autonomy
WC31	Keilton
WCxx	Other Options Available*

### 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

### Emergency Driver

B17	UL924 10W Battery Back-up
F8	UL924 Emergency Relay

### Packaging

BLANK	Individually Boxed on Pallets
P0	Bulk Packaging

### Mounting

BLANK	Surface Mount
M1	V-Hangers
M2xx	V-Hanger with Aircraft Loop Cables
M3xx	Y-Toggle Aircraft Cables
M24	Single Pendant Mount (3/4 Hub)
M25	Surface Mount
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

### Baffles

J31	White Louver
J47	Black Louver


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

 [BLLBT - Installation Instructions](#)

 [BLLBT - 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
	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
Distribution Facilities
Grocery Stores
Gymnasiums & Arenas
Logistics & Warehouses
Manufacturing Facilities
Professional Sports Facilities
Retail Stores
Schools
Storage Facilities
Aisle Lighting
Suspended
Surface Mount

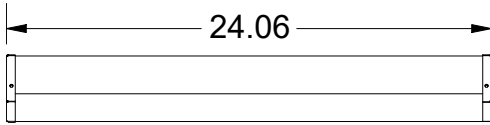
## Warranty Statement

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.

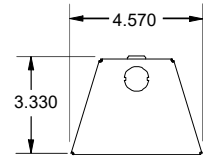
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BLLBT - Suspended Mount True Length Low Bay

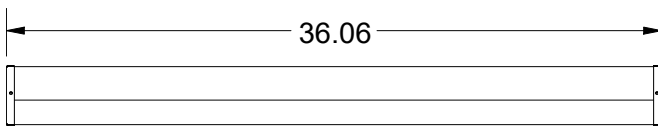
BLLBT 2' Side



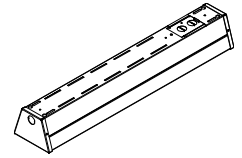
BLLBT 2'-8" End



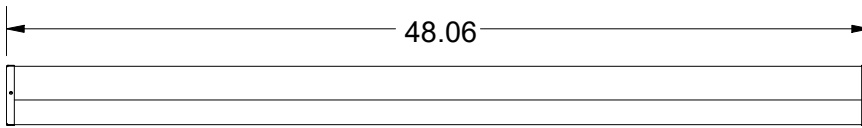
BLLBT 3' Side



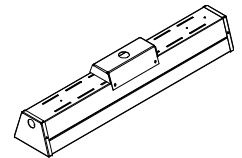
BLLBT Standard



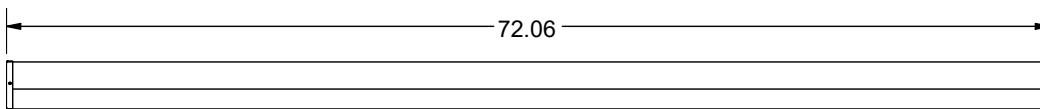
BLLBT 4' Side



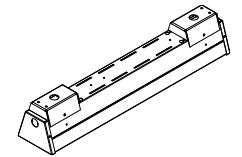
BLLBT Pendant Mount



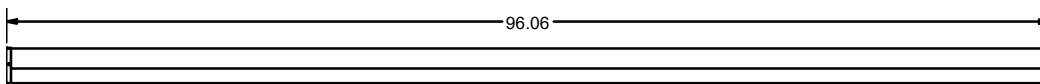
BLLBT 6' Side



BLLBT Surface Mount



BLLBT 8' Side



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

### BLLBT 4' Wattage

Size	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per Watt
4'	4.5	4482	32.6	137.6
4'	5.5	5462	40.1	136.1
4'	6.5	6418	47.7	134.7
4'	7.5	7355	55.2	133.3
4'	8.5	8268	62.7	131.9
4'	9.5	9162	70.3	130.4
4'	10.5	10034	77.8	129.0
4'	11.5	10889	85.4	127.6

### BLLBT 8' Wattage

Size	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per Watt
8'	9	8900	64.7	137.7
8'	11	10684	79.6	134.3
8'	13	12559	94.6	132.8
8'	15	14389	109.5	131.4
8'	17	16177	124.4	130.0
8'	19	17924	139.4	128.6
8'	21	19627	154.3	127.2
8'	23	21301	169.4	125.8

### BLLBT 3' Wattage

Size	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per Watt
3'	3.0	2973.778	21.6	137.6
3'	3.5	3424.909	25.4	134.9
3'	4.0	3892.718	29.2	133.5
3'	4.5	4348.800	32.9	132.0
3'	5.0	4793.137	36.7	130.6
3'	5.5	5227.123	40.5	129.2
3'	6.0	5649.714	44.2	127.8
3'	6.5	6064.783	48.0	126.4

### BLLBT 6' Wattage

Size	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per Watt
6'	6.75	6691.0	48.6	137.6
6'	8.25	8073.0	59.8	134.9
6'	9.75	9488.5	71.1	133.5
6'	11.25	10872.0	82.3	132.0
6'	12.75	12222.5	93.6	130.6
6'	14.25	13543.0	104.8	129.2
6'	15.75	14830.5	116.1	127.8
6'	17.25	16095.0	127.4	126.4

### BLLBT 2' Wattage

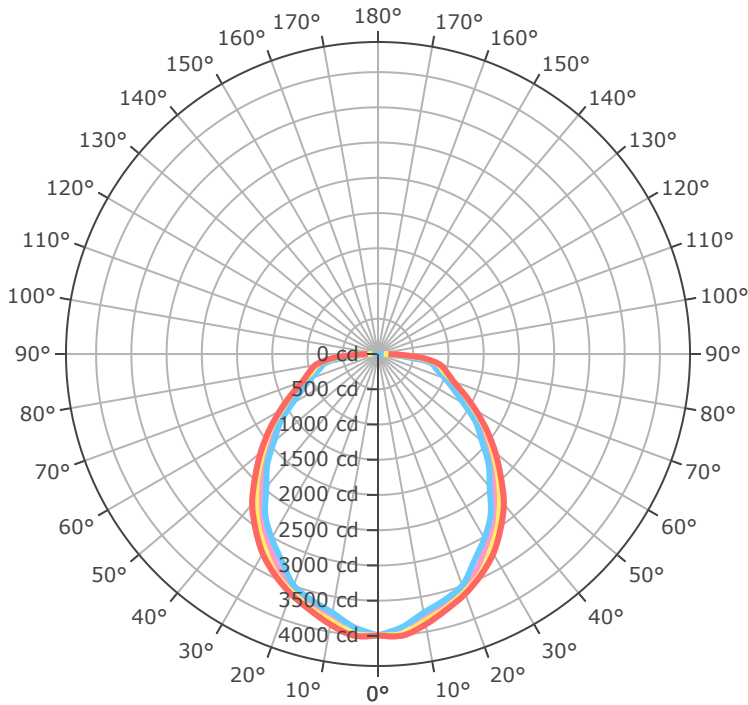
Size	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per Watt
2'	1.75	1743	12.70	137.6
2'	2.25	2241	16.29	137.6
2'	2.75	2731	20.06	136.1

- \* Drawings not to scale
- \* Standard tolerances apply
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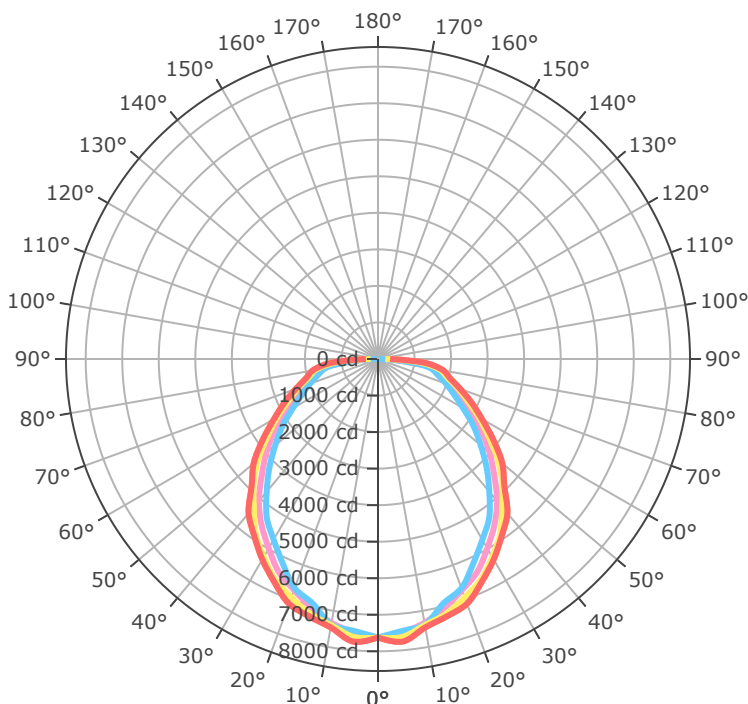
## BLLBT-4FT-11.5L-840-L67



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

Mtg Height	Light Level	Beam Diameter
6.0 ft	110.9 fc	16.0 ft
8.0 ft	62.4 fc	21.3 ft
10.0 ft	39.9 fc	26.6 ft
12.0 ft	27.7 fc	31.9 ft
14.0 ft	20.4 fc	37.2 ft
16.0 ft	15.6 fc	42.5 ft
24.0 ft	6.9 fc	63.8 ft
32.0 ft	3.9 fc	85.1 ft
40.0 ft	2.5 fc	106.3 ft
48.0 ft	1.7 fc	127.6 ft
56.0 ft	1.3 fc	148.9 ft
64.0 ft	1.0 fc	170.1 ft

## BLLBT-8FT-23L-840-L67



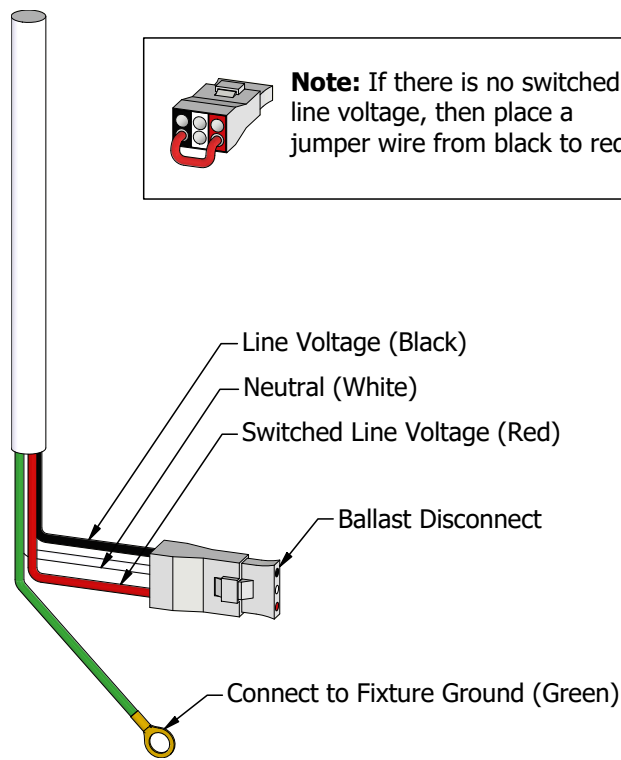
- 0.0°
- 45.0°
- 90.0°
- 135.0°
- 180.0°

Mtg Height	Light Level	Beam Diameter
6.0 ft	211.7 fc	17.3 ft
8.0 ft	119.1 fc	23.1 ft
10.0 ft	76.2 fc	28.9 ft
12.0 ft	52.9 fc	34.7 ft
14.0 ft	38.9 fc	40.5 ft
16.0 ft	29.8 fc	46.3 ft
24.0 ft	13.2 fc	69.4 ft
32.0 ft	7.4 fc	92.5 ft
40.0 ft	4.8 fc	115.7 ft
48.0 ft	3.3 fc	138.8 ft
56.0 ft	2.4 fc	161.9 ft
64.0 ft	1.9 fc	185.1 ft

## Emergency Battery Plan - 20W

Emergency Lighting	Solution System Components	System Operation
Option Code 'B17' - UL 924 listed components that are factory installed in the luminaire	UL 924 listed 20-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 20-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.

THRIVE™ is an **optional** natural daylight technology replacing typical CRI order codes.

Order Code	Option	Use-case
8	80 CRI	Energy-efficient, lower cost, acceptable colour rendering for general lighting applications.
9	90 CRI	More accurate, natural and vibrant colour appearance. Suitable for retail, offices, and applications where colour accuracy is of higher importance.
1	95+ CRI	Near-perfect colour fidelity, excellent for architectural, medical, retail, and other premium applications.
0	THRIVE	Human-centric lighting engineered to provide the most accurate recreation of natural daylight. Highly beneficial for healthcare, office environments, schools and other applications where all-day comfort and general well-being are top priorities.



## THRIVE™ Human-Centric Lighting

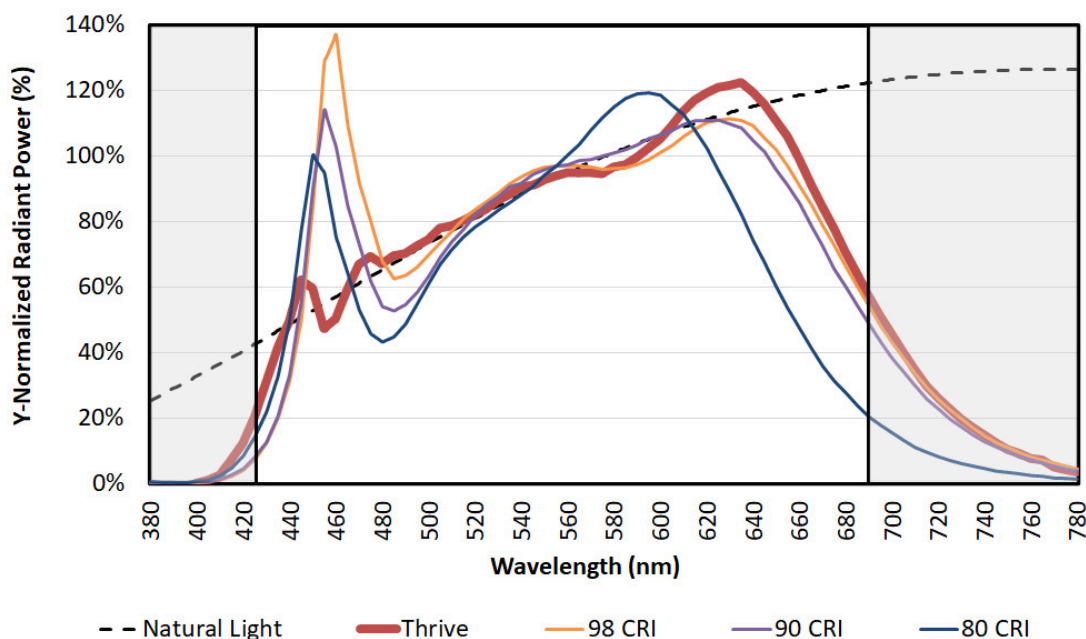
Engineered to provide the closest match to natural light available using proprietary chip, phosphor, and packaging technology, Thrive can be used in constant colour point luminaires to bring full spectrum natural light indoors, or in tunable white luminaires to incorporate circadian elements that may impact human well-being.

The high-fidelity spectral output of Thrive creates stunning environments with excellent colour rendering and outstanding TM-30 metrics. Target applications include office, education, healthcare, retail, hospitality, architectural, museums, and residential lighting.

[Bridgelux White Paper - Average Spectral Difference.pdf](#)

The effect of the THRIVE™ spectral power distributions at a CCT of 4000K (typical for interior lighting in commercial, office, and education settings) is shown in the figure below. The reference light source at this colour temperature is firelight, represented diagrammatically as the blackbody curve (BBC) and referenced in the below figure as natural light. LEDs offering a CRI of 90 or 98 have a closer match to the blackbody curve than the 80 CRI light source. Nevertheless, across the entire visual spectrum, both light sources show a substantial deviation from the natural light BBC. This is shown in the spectral spikes (deviations above the blackbody curve) and valleys (deviations below the blackbody curve).

Spectral power distributions of LED light sources at 4000K against the blackbody curve.



## Gallery Information

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

