

The Macklin Series

BLSPM - Mini Linear Strip

Project

Date

Part

Type

About The Macklin Series

The BLSPM is a series of linear strip fixtures designed for surface and suspended mounting, designed as a thinner variant of the Cayuga series. It is well suited for indoor use where high efficiency, row-mountable task lighting is required. Its narrow strip design and modern profile make it an ideal fixture for task lighting applications.

Specifications

Supported Voltage	120-277V, 347V, 120-347V
Available Sizes	1', 2', 4', 6', 8', 10'
Lifetime	L70 of 99,000+ hours, L90 of 30,000+ hours
Lumens	2' 1.75L (1750lm) to 8' 19L (19000lm)
Operating Temperature	-20°C/+25°C
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

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

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Linear Strip Lighting by



Ordering Information

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

Length
BLSPM - 4' - 5.5L - 840 - UNV
Fixture Series Lumen Output Voltage

1	2	3	4	5						
BLSPM										
Series	Length & Lumen Output		CRI	CCT	Voltage					
BLSPM	1' - 1.125L	1125 lm	4' - 8.5L	8500 lm	8	80	27	2700K	UNV	120-
	1' - 1.375L	1375 lm	4' - 9.5L	9500 lm	9	90+	30	3000K		277V
	1' - 1.75L	1750 lm	8' - 5L	5000 lm	1	95+	35	3500K	347	347V
	2' - 2.25L	2250 lm	8' - 7L	7000 lm			40	4000K	UN3	120-
	2' - 2.75L	2750 lm	8' - 9L	9000 lm			50	5000K		347V
	4' - 2.5L	2500 lm	8' - 11L	11000 lm			65	6500K		
	4' - 3.5L	3500 lm	8' - 13L	13000 lm						
	4' - 4.5L	4500 lm	8' - 15L	15000 lm						
	4' - 5.5L	5500 lm	8' - 17L	17000 lm						
	4' - 6.5L	6500 lm	8' - 19L	19000 lm						
	4' - 7.5L	7250 lm								

Options

Lenses

L0	No Lens
L18	Impact-Resistant Frosted 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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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.

 [BLSPM - Installation Instructions](#)

 [BLSPM - 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
	Wireless Controls Available
	90 and 95+ CRI Options Available
	120-347V(UN3) Available
	DLC Listed
	ETL Listed

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 BLSPM. More information is available upon request.

BLSPM 1' & 2' Wattage

Size	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per watt
2'	1.75L	1759	12.7	138.5
2'	2.25L	2261	16.4	137.9
2'	2.75L	2764	20.0	138.2

BLSPM 4' Wattage

Size	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per watt
4'	2.5L	2530	17.9	141.3
4'	3.5L	3566	25.4	140.4
4'	4.5L	4588	32.9	139.5
4'	5.5L	5596	40.4	138.5
4'	6.5L	6589	47.9	137.6
4'	7.5L	7569	55.3	136.9
4'	8.5L	8535	62.8	135.9
4'	9.5L	9485	70.3	134.9

BLSPM 8' Wattage

Size	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per watt
8'	5.0L	5053	35.7	141.5
8'	7.0L	7122	50.7	140.5
8'	9.0L	9163	65.6	139.7
8'	11.0L	11176	80.1	139.5
8'	13.0L	13160	95.6	137.7
8'	15.0L	15117	110.5	136.8
8'	17.0L	17046	125.5	135.8
8'	19.0L	18943	140.4	134.9

BLSPM 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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BLSPM - Mini Linear Strip

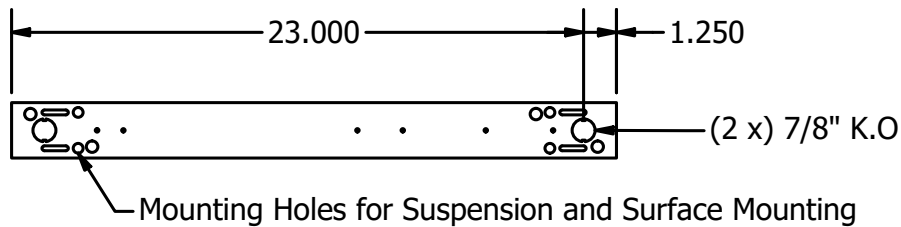
Linear Strip Lighting by



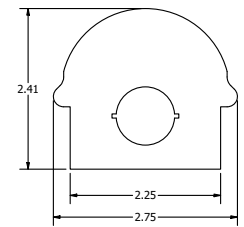
Dimension Information

Below you will find the dimensions for all sizes of the BLSPM.

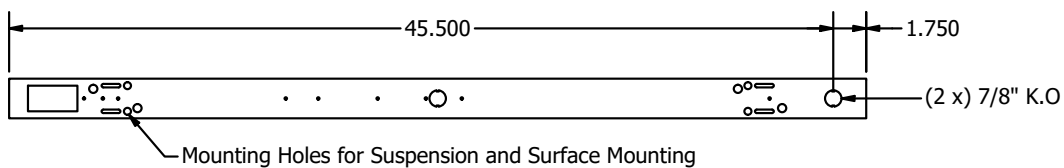
BLSPM 2' Side



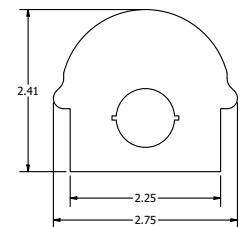
End Dimensions



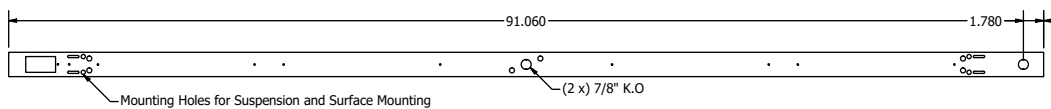
BLSPM 4' Side



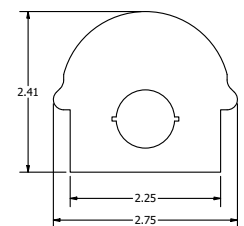
End Dimensions



BLSPM 8' Side



End Dimensions



* Drawings aren't to scale

* Standard tolerances apply

* Specifications may change without notice

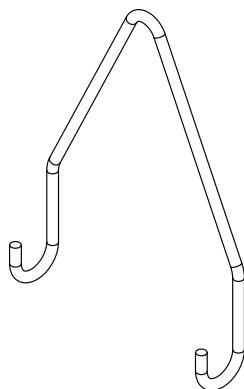
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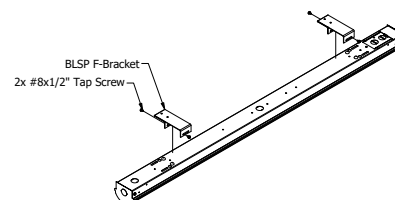
M1 - V-Hanger



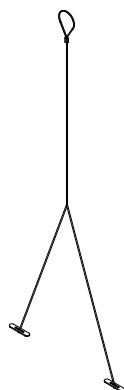
M2xx - V-Hanger + Aircraft Loop



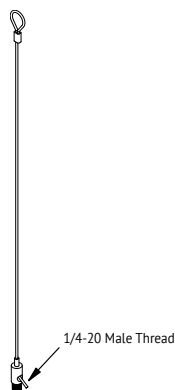
M64 - F-Style Bracket



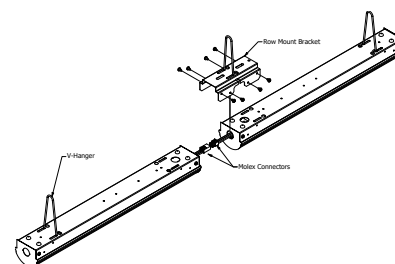
M3xx - Y-Toggle Aircraft Cables



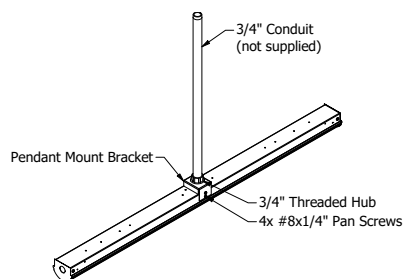
M62xx - Loop Kit + Side Grippers



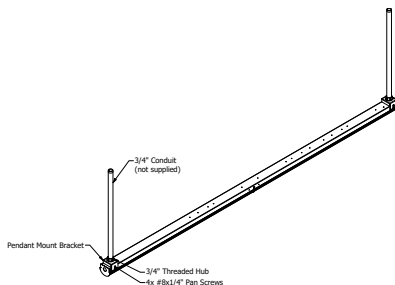
(Row) - Row Mount



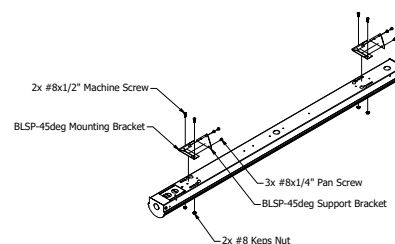
M24 - 4 Foot Pendant Mount



M24 - 8 Foot Pendant Mount



M34 - 45° Bracket



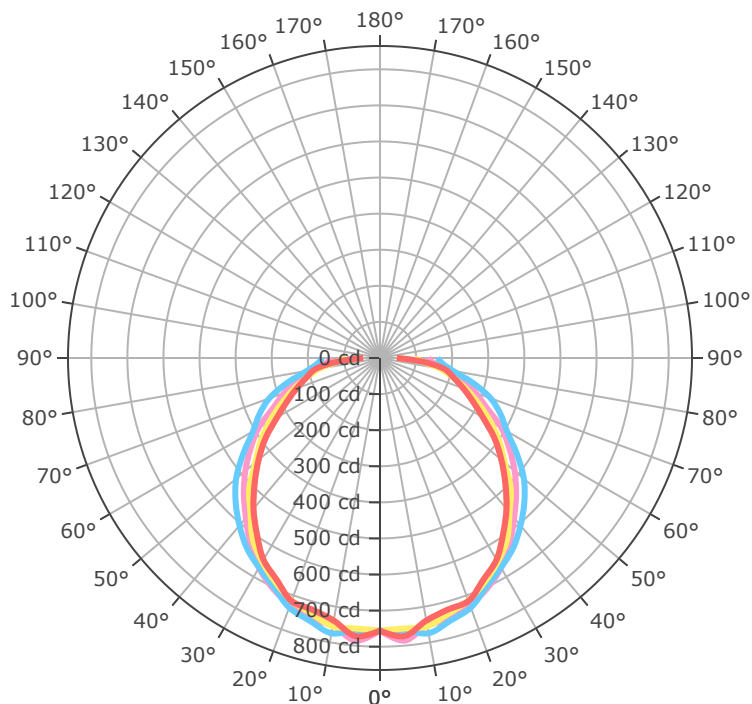
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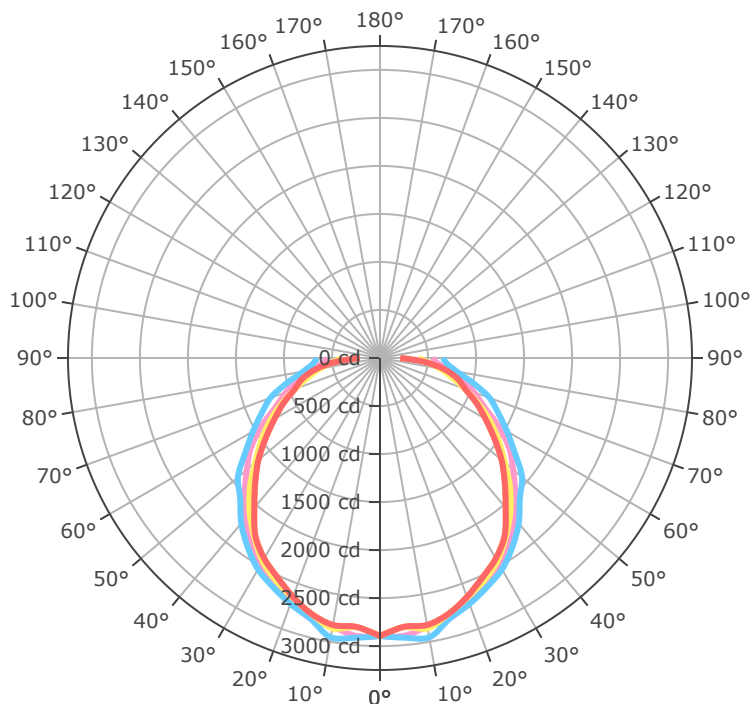
BLSPM-4'-2.5L-840-L18



0.0°
45.0°
90.0°
135.0°
180.0°

Mtg Height	Light Level	Beam Diameter
6.0 ft	21.0 fc	17.7 ft
8.0 ft	11.8 fc	23.6 ft
10.0 ft	7.6 fc	29.5 ft
12.0 ft	5.2 fc	35.4 ft
14.0 ft	3.9 fc	41.3 ft
16.0 ft	3.0 fc	47.2 ft
24.0 ft	1.3 fc	70.8 ft
32.0 ft	0.7 fc	94.3 ft
40.0 ft	0.5 fc	117.9 ft
48.0 ft	0.3 fc	141.5 ft
56.0 ft	0.2 fc	165.1 ft
64.0 ft	0.2 fc	188.7 ft

BLSPM-4'-9.5L-840-L18



0.0°
45.0°
90.0°
135.0°
180.0°

Mtg Height	Light Level	Beam Diameter
6.0 ft	80.4 fc	17.2 ft
8.0 ft	45.2 fc	23.0 ft
10.0 ft	29.0 fc	28.7 ft
12.0 ft	20.1 fc	34.4 ft
14.0 ft	14.8 fc	40.2 ft
16.0 ft	11.3 fc	45.9 ft
24.0 ft	5.0 fc	68.9 ft
32.0 ft	2.8 fc	91.8 ft
40.0 ft	1.8 fc	114.8 ft
48.0 ft	1.3 fc	137.7 ft
56.0 ft	0.9 fc	160.7 ft
64.0 ft	0.7 fc	183.6 ft

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Gallery Information

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

