BLR
Recessed LED Troffer

BJ TAKE LIGHTING

Project

Nomenclature

Type

Date

Approval

Notes

Superior-grade, recessed low profile lay-in T-Bar luminaire. Its ideal for indoor use where aesthetics, energy-efficiency and T-Bar mounting is essential. Its low-profile body is ideally suited for shallow, or obstructed plenum installations

Luminaire Summary

Features
- Operating temperature ranges available from -20C to 25C
- L70 of 150,000+ hours, L90 of 45,000+ hours
- Standard 0 - 10V dimming
- Available in 2700K, 3000K, 3500K, 4000K, 5000K and 6500K

Construction
- Manufactured in Ontario, Canada
- Shallow fixture design for easy installation
- Access panel provided for easy wiring
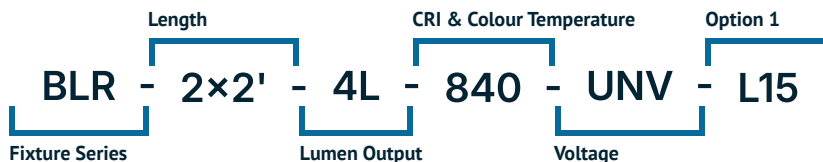- Cold-rolled steel parts are precision bent for added strength and rigidity

Approvals
- ETL certified to UL Canada and United States standards
- Made with UL Listed components

Electrical
- Available in 120-277V, 120-347V and 347V

Mounting
- Holes provided for chain or hanger, and wire mounting support for T-Bar ceilings

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

Ordering Information

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

	Length		CRI & Colour Temperature	Option 1
BLR -	2×2' -	4L -	840 -	UNV - L15
Fixture Series		Lumen Output	Voltage	

1	2	3		4	5	6
BLR						

Series	Length	Lumen Output		CRI	Colour Temp	Voltage
BLR	1x4 - 1x4' (ft)	1x4/2x2'	2L (2000lm)	8 - 80 CRI	27 - 2700K	UNV - 120-277V
	2x2 - 2x2' (ft)	1x4/2x2'	3L (3000lm)	9 - 90 CRI	30 - 3000K	UN3 - 120-347V
	2x4 - 2x4' (ft)	1x4/2x2'	4L (4000lm)	1 - 95+ CRI	35 - 3500K	347 - 347V
		2x4'	4L (4000lm)		40 - 4000K	
		2x4'	6L (6000lm)		50 - 5000K	
		2x4'	8L (8000lm)		65 - 6500K	

7

Options

Lenses
L0	No lens
L15	0.10 Prismatic lens in a lens frame
L19	Frosted acrylic lens in a lens frame

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

Motion Sensors
WX15	Internal Dimming Low Voltage Microwave Sensor
WC20	Leviton Low-Voltage Sensor
W**	Other Options Available*

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

Wire Guard
G1	Heavy Duty White
G5	Heavy Duty Black

Air Handling
H20	Housing with Passive Air Handling

Finish
BLANK	Standard Matte White
C5	Matte Black
CUSTOM*	Custom Colour Choice

Packaging
BLANK	Individually Boxed on Pallets
P0	Bulk Packaging
P**	Other Options Available*

Mounting
M15	Surface Mount Kit (packaged separately)

T-Bar & Drywall Kits
BLANK	Standard T-Bar
TB39	9/16"
H40	Drywall Kit (packaged separately)

Warranty
CL7	10-Year Comprehensive Warranty Upgrade

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.

- BLR - Installation Instructions
- BLR-2x2-2L-840-L15
- BLR-2x2-3L-840-L15
- BLR-2x2-4L-840-L15
- BLR-2x4-4L-840-L15
- BLR-2x4-6L-840-L15
- BLR-2x4-8L-840-L15

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
	ETL Listed
	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:

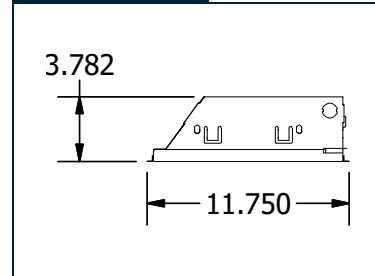| Usage Application |
|-------------------|
| Hospitals |
| Offices |
| Schools |

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.
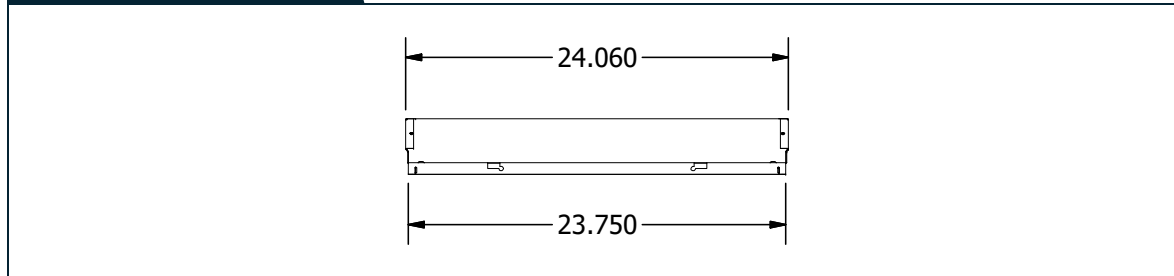
BLR
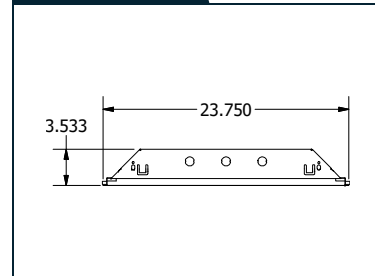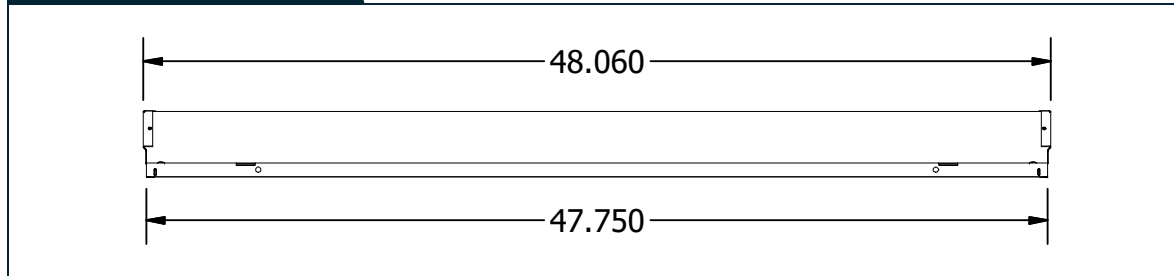## Recessed LED Troffer | Dimensions & Wattage

BJ TAKE LIGHTING

BLR, 1x4 Foot, Side Dims

48.060

47.750

1x4 End View

3.782

11.750
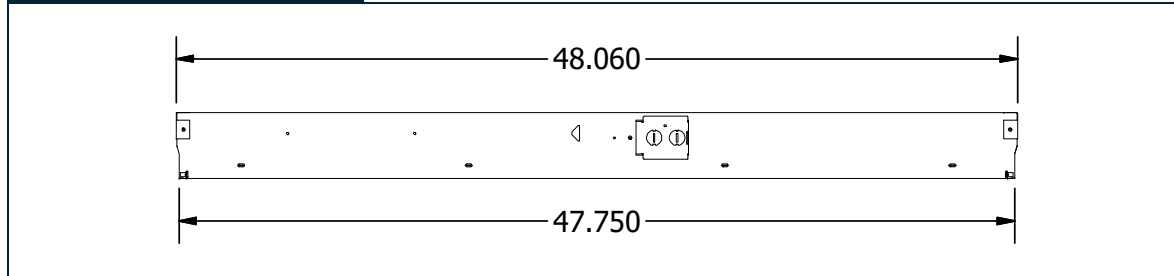
BLR, 2x2 Foot, Side Dims

24.060

23.750

2x2 End View

3.533

23.750

BLR, 2x4 Foot, Side Dims

48.060

47.750

2x4 End View

3.533

23.750
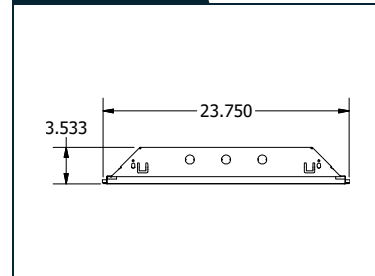
BLR, 1x4 Foot Wattage

Length	Lumen Output	Fixture Wattage
1x4	2	18.10
1x4	3	27.70
1x4	4	39.30

BLR, 2x2 Foot Wattage

Length	Lumen Output	Fixture Wattage
2x2	2	18.10
2x2	3	27.70
2x2	4	39.30

BLR, 2x4 Foot Wattage

Length	Lumen Output	Fixture Wattage
2x4	4	35.50
2x4	6	55.40
2x4	8	73.40

BLR, Light Loss Factor

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

* Drawings aren't to scale
* Standard tolerances apply
* Specifications may change without notice

BLR-2x2-4L-840-L15

Cone of Light

Mtg Height	Light Level	Beam Diameter
6.0 ft	60.0 fc	11.0 ft
8.0 ft	33.7 fc	14.7 ft
10.0 ft	21.6 fc	18.4 ft
12.0 ft	15.0 fc	22.1 ft
14.0 ft	11.0 fc	25.8 ft
16.0 ft	8.4 fc	29.5 ft

0°-180°	
22.5°-202.5°	
45°-225°	
67.5°-247.5°	
90°-270°	
112.5°-292.5°	
135°-315°	
157.5°-337.5°	
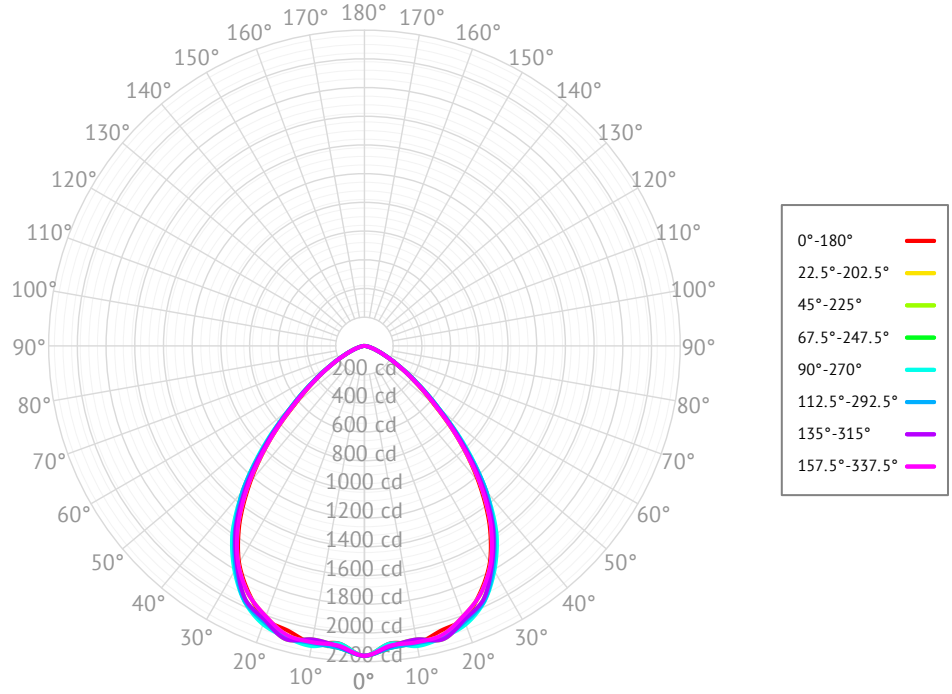
Based on BLR-2x2-4L-840-L15.

BLR-2x4-8L-840-L15

Cone of Light

Mtg Height	Light Level	Beam Diameter
6.0 ft	117.9 fc	11.5 ft
8.0 ft	66.3 fc	15.4 ft
10.0 ft	42.5 fc	19.2 ft
12.0 ft	29.5 fc	23.0 ft
14.0 ft	21.7 fc	26.9 ft
16.0 ft	16.6 fc	30.7 ft

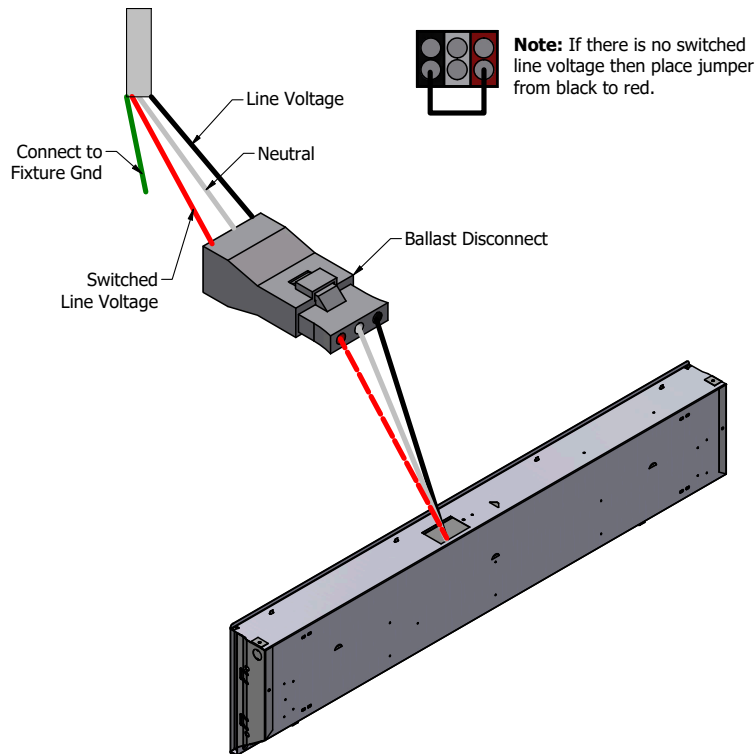|	
0°-180°	
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112.5°-292.5°	
135°-315°	
157.5°-337.5°	
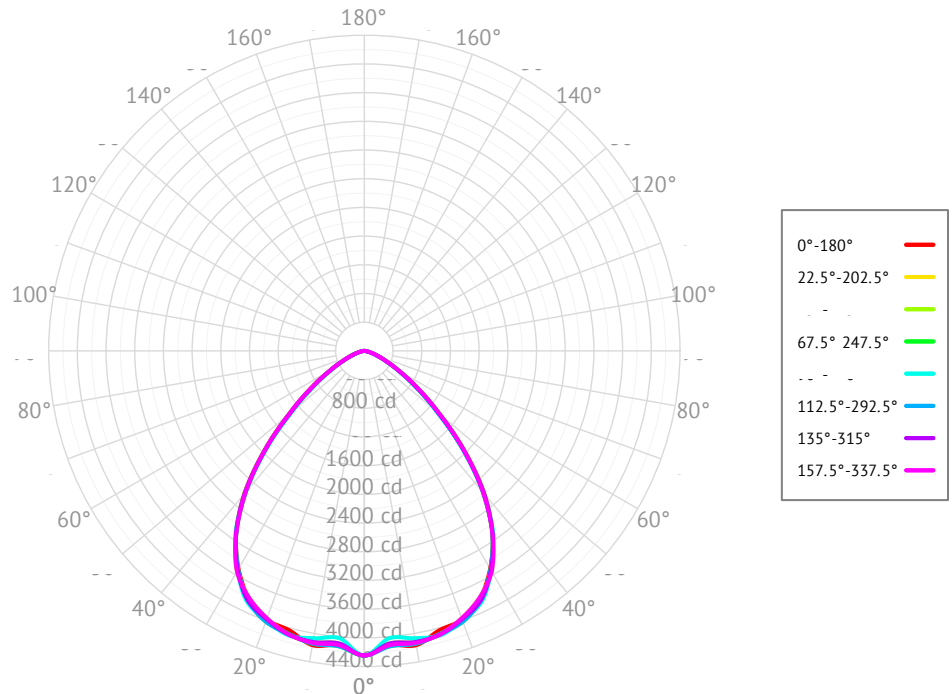
Based on BLR-2x4-8L-840-L15.

Emergency Battery Plan - 10W

Emergency Lighting	Solution System Components	System Operation
Option Code 'B17' - UL 924 listed components that are factory installed in the luminaire	UL 924 listed 10-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 10-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

Line Voltage

Connect to Fixture Gnd

Neutral

Switched Line Voltage

Ballast Disconnect

Note: If there is no switched line voltage then place jumper from black to red.

Important Information

More information on emergency lighting options and configurations available on request.