

BRLR

Recessed LED Retrofit Kit



Project	
Nomenclature	
Type	Date
Approval	
Notes	

The BRLR is an LED retrofit kit offering up to 50% in energy savings over a traditional T8 fixture. It has been designed to convert existing 2x2, 1x4 and 2x4 recessed troffers from T8 or T12 to LED. Its flexibility and simple installation make it easy to take advantage of improved energy-efficiency and performance

Luminaire Summary

Features

- Operating temperature ranges available from -20C to 25C
- L70 of 110,000+ hours, L90 of 34,000+ hours
- Standard 0 - 10V dimming
- Available in 2700K, 3000K, 3500K, 4000K, 5000K and 6500K
- Lumen packages are available ranging from 2L (2071lm) to 6L (6064lm)

Approvals

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

Options

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

Construction

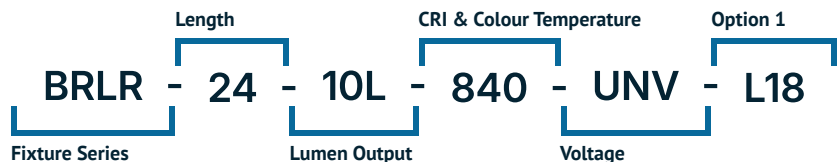
- Manufactured in Ontario, Canada
- Powder-coated in high reflectance gloss white (other colours available)
- Manufactured from pre-painted white steel
- Precision bent for added strength and rigidity
- Shallow design for ease of installation and a clean, professional look

Electrical

- Available in 120-277V, 120-347V, 347V and 480V

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	6
BRLR					

Series	Size	Lumen Output		CRI	Colour Temp	Voltage		
BRLR	1x4 - 1x4' (ft)	1x4-2L	(2120lm)	8 - 80 CRI	27 - 2700K	UNV - 120-277V		
		1x4-2.5L	(2634lm)	9 - 90 CRI	30 - 3000K	UN3 - 120-347V		
		1x4-3L	(3147lm)	1 - 95+ CRI	35 - 3500K	347 - 347V		
	2x2 - 2x2' (ft)	1x4 - 3.5L	1x4-3.5L	(3661lm)		40 - 4000K	480 - 480V	
			1x4-4L	(4130lm)		50 - 5000K		
			2x2-2L	(2071lm)		65 - 6500K		
		2x2 - 2.5L	2x2-2.5L	(2573lm)				
			2x2-3L	(3075lm)				
			2x2-3.5L	(3577lm)				
			2x2-4L	(4079lm)				
			2x4-4L	(4384lm)				
			2x4-4.5L	(4804lm)				
			2x4-5L	(5224lm)				
			2x4-5.5L	(5644lm)				
			2x4-6L	(6064lm)				

**L - Custom lumen package

Options

Lenses

BLANK | Frosted Lens

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*

Packaging

BLANK | Individually Boxed on Pallets

P0 | Bulk Packaging

P** | Other Options Available*

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.

 [BRLR 14 Retrofit Kit Instructions](#)





 [BRLR Retrofit Kit Instructions](#)

 [BRLR-3LP Retrofit Kit Instructions](#)

 [BRLR-24-10L](#)

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

Usage Applications

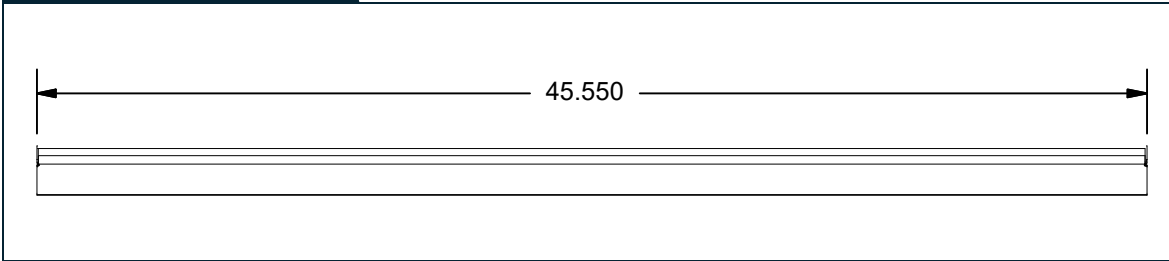
This fixture can be used in a variety of applications, and is ideal for the following:

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

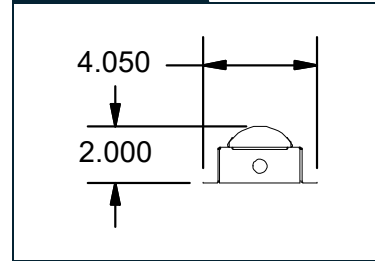
Warranty Statement

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.

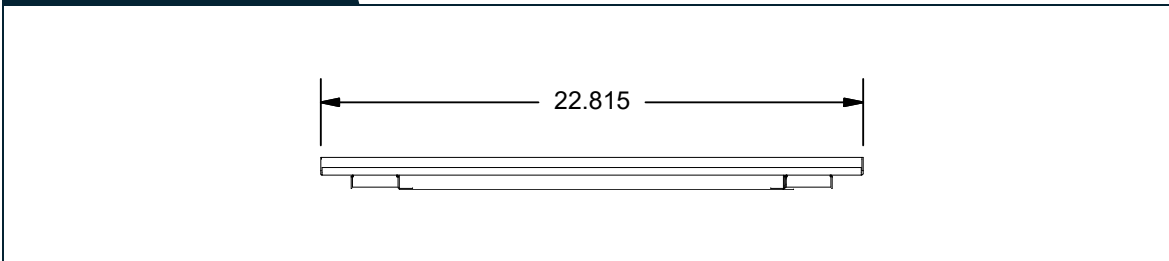
BRLR, 1x4 Foot, Side Dims



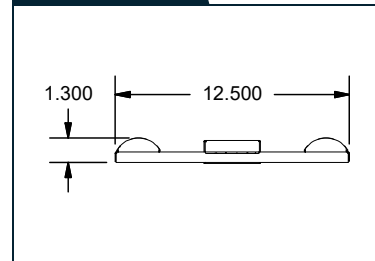
1x4 End View



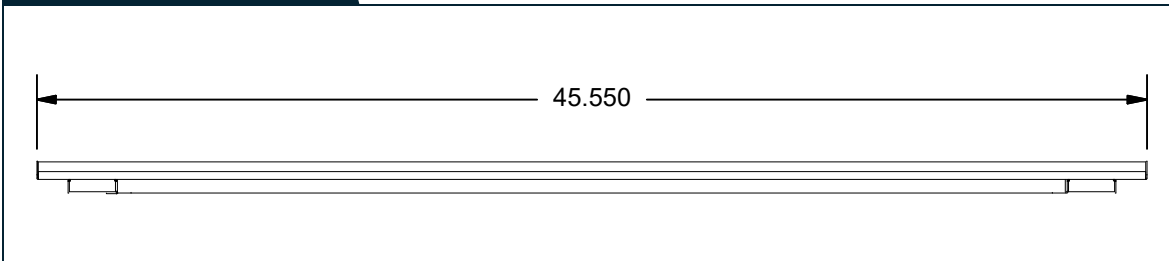
BRLR, 2x2 Foot, Side Dims



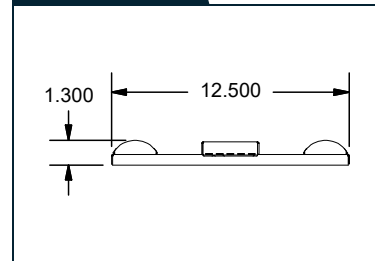
2x2 End View



BRLR, 2x4 Foot, Side Dims



2x4 End View



BRLR, 1x4 Foot Wattage

Length	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per Watt
1x4	2.00	2120	17.52	121.00
1x4	2.50	2634	21.70	121.40
1x4	3.00	3147	25.87	121.70
1x4	3.50	3661	30.05	121.90
1x4	4.00	4130	35.80	115.40

BRLR, 2x2 Foot Wattage

Length	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per Watt
2x2	2.00	2071	17.45	118.70
2x2	2.50	2573	21.61	119.80
2x2	3.00	3075	25.77	119.30
2x2	3.50	3577	29.93	119.50
2x2	4.00	4079	34.08	119.70

BRLR, 2x4 Foot Wattage

Length	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per Watt
2x4	4.00	4384	34.03	128.90
2x4	4.50	4804	37.71	127.40
2x4	5.00	5224	41.38	126.30
2x4	5.50	5644	45.06	125.30
2x4	6.00	6064	48.74	124.40

BRLR, Light Loss Factor (LLF)

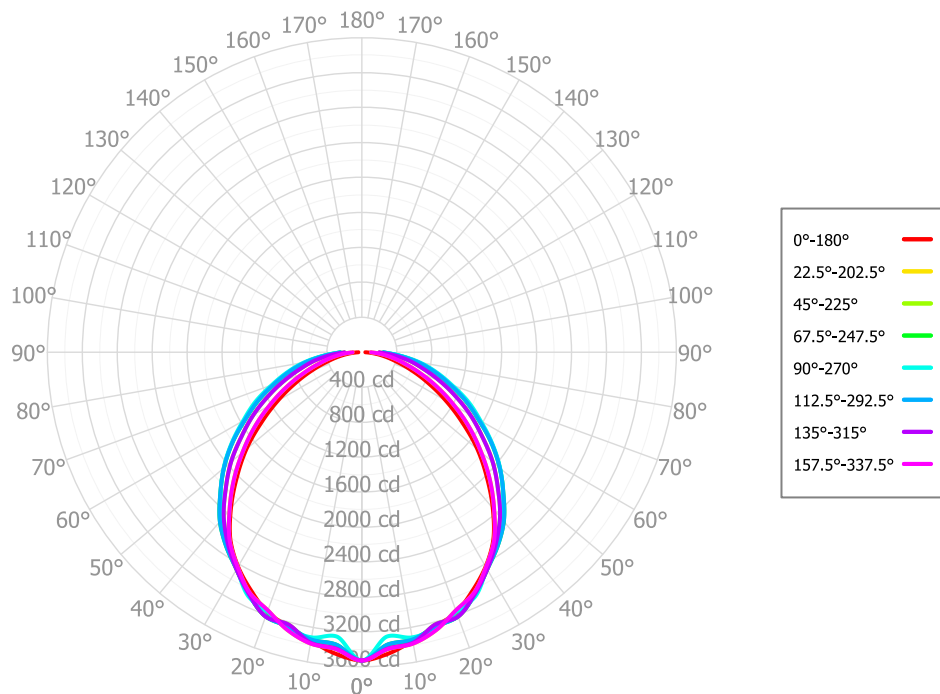
CCT	Output%
2700K	92.95
3000K	95.51
3500K	96.80
4000K	100.00
5000K	101.28
90CRI	84.72

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

BRLR-24-10L-840

Cone of Light

Mtg Height	Light Level	Beam Diameter
6.0 ft	98.0 fc	14.0 ft
8.0 ft	55.1 fc	18.6 ft
10.0 ft	35.3 fc	23.3 ft
12.0 ft	24.5 fc	28.0 ft
14.0 ft	18.0 fc	32.6 ft
16.0 ft	13.8 fc	37.3 ft



Based on BRLR-24-10L-840.