



Project	
Nomenclature	
Type	Date
Approval	
Notes	

The BRLS is an LED retrofit kit offering up to 50% in energy savings over a standard T8 fixture. It has been designed to covert existing 4ft and 8ft commercial or industrial strip fixtures 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 (2133lm) to 10L (10000lm)

Approvals

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

Options

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

Construction

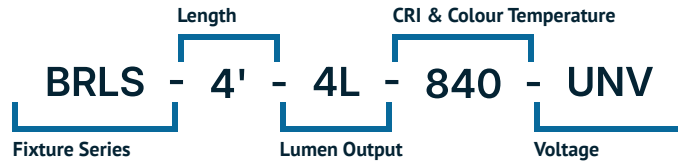
- Manufactured in Ontario, Canada
- Powder-coated in high reflectance gloss white (other colours available)
- Manufactured from pre-painted white steel
- Precision bent for added strength and rigidity

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	
BRLS						
Series	Width	Lumen Output		CRI	Colour Temp	Voltage
BRLS	3W - 3" Wide	4'-2L	(2133lm)	8 - 80 CRI	27 - 2700K	UNV - 120-277V
	4W - 4" Wide	4'-2.5L	(2675lm)	9 - 90 CRI	30 - 3000K	UN3 - 120-347V
	5W - 5" Wide	4'-3L	(3221lm)	1 - 95+ CRI	35 - 3500K	347 - 347V
		4'-3.5L	(3772lm)		40 - 4000K	480 - 480V
	4'-4L	(4327lm)	50 - 5000K			
	4'-5L	(4327lm)	65 - 6500K			
	8'-4L	(4269lm)				
	8'-5L	(5432lm)				
	8'-6L	(6660lm)				
	8'-7L	(7396lm)				
	8'-8L	(8445lm)				
	8'-9L	(9000lm)				
	8'-10L	(10000lm)				

**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.




 [BRLS4 Retrofit Kit Instructions](#)

 [BRLS8 Retrofit Kit Instructions](#)

 [BRLS-4'-4L](#)

Certifications and Listings

Certifications that apply to this fixture and its possible configurations are listed here. More information available upon request.

Icon	Description
	ETL Listed
	90 and 95+ CRI Options Available
	120-347V(UN3) Available

Usage Applications

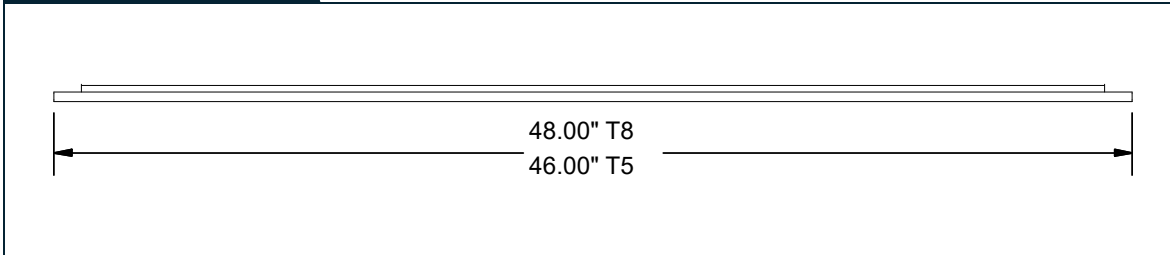
This fixture can be used in a variety of applications, and is ideal for the following:

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

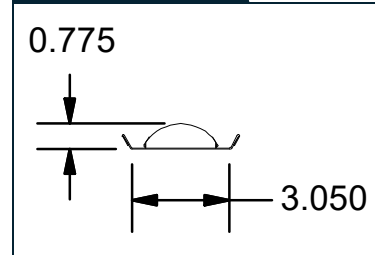
Warranty Statement

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.

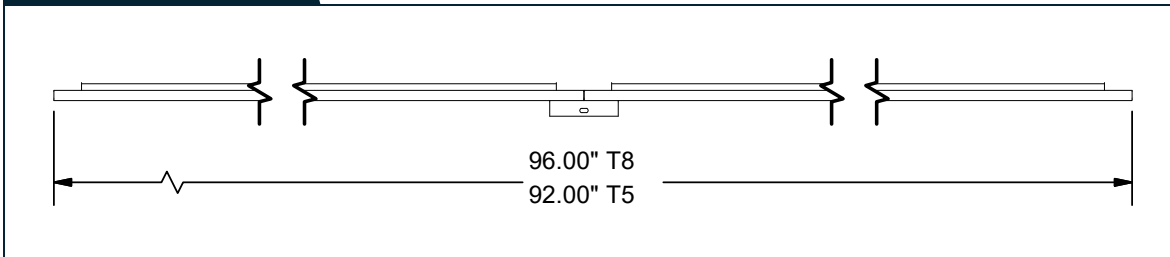
BRLS, 4 Foot, Side Dims



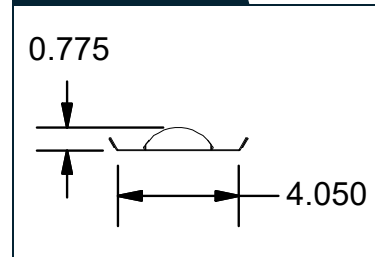
3W End View



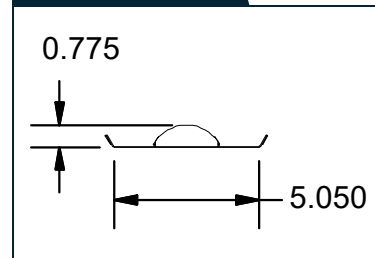
BRLS, 8 Foot, Side Dims



4W End View



5W End View



BRLS, 1/2 Foot, Wattage

Length	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per Watt
4'	2.00	2133	17.34	123.00
4'	2.50	2675	21.66	123.50
4'	3.00	3221	25.97	124.00
4'	3.50	3772	30.29	124.50
4'	4.00	4327	34.60	125.10

BRLS, 4 Foot, Wattage

Length	Lumen Output	Actual Lumen Output	Fixture Wattage	Lumens per Watt
8'	4.00	4269	32.28	132.20
8'	5.00	5432	40.91	132.80
8'	6.00	6660	49.54	134.40
8'	7.00	7396	56.33	131.30
8'	8.00	8445	64.78	130.40

BRLS, Light Loss Factor (LLF)

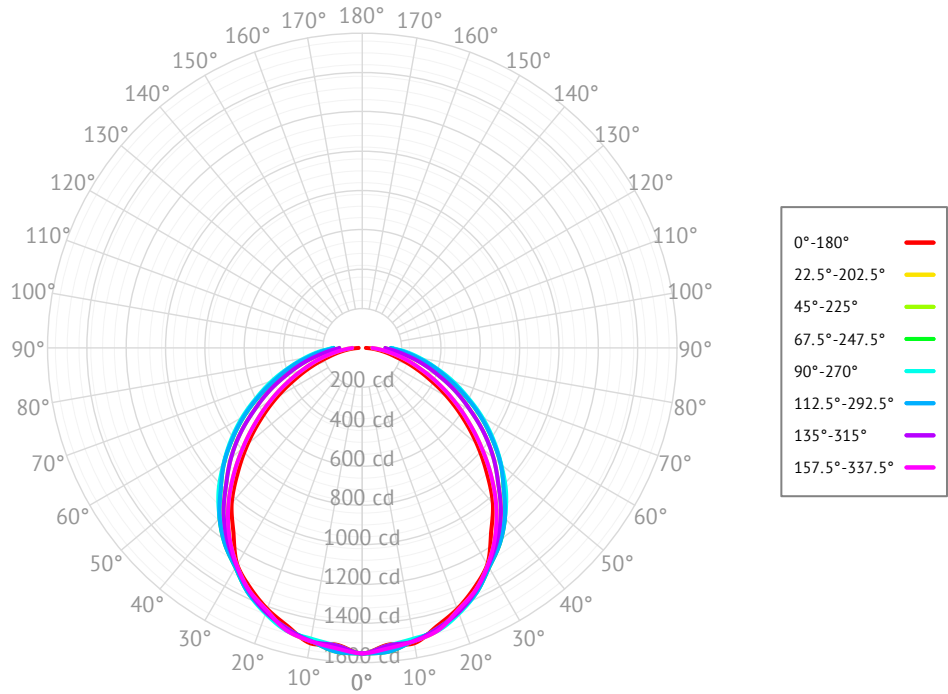
CCT	Output%
2700K	92.95
3000K	95.51
3500K	96.80
4000K	100.00
5000K	101.28
90CRI	84.72

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

BRLS-4'-4L-840

Cone of Light

Mtg Height	Light Level	Beam Diameter
6.0 ft	43.1 fc	14.0 ft
8.0 ft	24.3 fc	18.7 ft
10.0 ft	15.5 fc	23.3 ft
12.0 ft	10.8 fc	28.0 ft
14.0 ft	7.9 fc	32.7 ft
16.0 ft	6.1 fc	37.3 ft



Based on BRLS-4'-4L-840, ie. (BRLS, 4 foot, 4000lm, 80 CRI, 4000K)