



Project

Product Code

Type

Date

Approval



The BLRT is a recessed lay-in fixture designed for use in T-bar ceilings and is well suited for use in office spaces where a clean, professional appearance is required

Overview

- L70 of 230,000 hours+
- L90 of 70,000 hours+
- 0 - 10V dimming standard

Construction

- Manufactured in Ontario, Canada
- Precision laser-cut cold-rolled steel body
- Access panel provided for easy wiring
- Shallow fixture design for easy of installation and a clean, professional look

Electrical

- ETL certified to UL Canada and United States standards
- Available in 120 - 277V and 347V

Optics

- High-efficiency extruded lens maximizes light distribution while providing diffusion of LED point sources
- Powder coated in high-reflectance white

Mounting

- Holes provided for chain or hanger wire mounting
- Support for T-Bar ceilings
- Surface mount and drywall kits

Options

- 80 CRI standard - 90 CRI, 95+CRI available
- Available in 3000K, 3500K, 4000K, 5000K, and 6500K
- Lumen packages are available from 2,000L to 6,000L
- Available in 1x4, 2x4 and 2x2 dimensions
- Available with passive or active air handling
- Bluetooth and wireless mesh networks controls

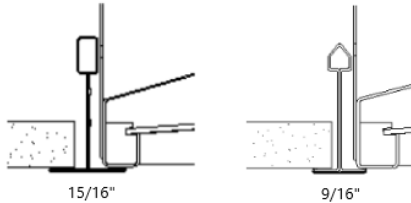
NOTES

↓ ↓ ↓ NOMENCLATURE

Fixture Type	Fixture Size	Lumen Output	CRI	Color Temp	Driver Voltage	Options
BLRT						
	14, 22	2	8 - 80 CRI	30 - 3000 K	UNV - 120-277V	Lenses Blank - Frosted Acrylic Lens Controls B11 0-10V Dimming Leads WC10 Encelium Controls WC22 JDRF Controls WC** - Other Options Available Emergency Driver B17 - Emergency Driver Air Handling H20 - Housing with Passive Air Handling H24 - Housing with Active Air Handling Colours Blank - White Low-Gloss, Matte Finish C5 - Black Low-Gloss, Matte Finish C** - Other Options Available Packaging P0 - Bulk Packaging P** - Other Options Available <small>** - Consult BJ Take for more fixture options</small>
		2.5	9 - 90 CRI	35 - 3500 K	347 - 347V	
		3		40 - 4000 K	UN3 - 120-347V	
		3.5		50 - 5000 K		
		4		65 - 6500 K		
		4.5				
		5				
		3				
		3.5				
		4				
		4.5				
	24	5				
		5.5				
		6				
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		8				
		8.5				
		9				
		9.5				
		10				

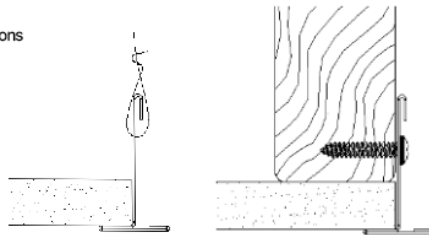
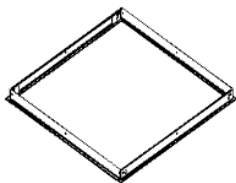
T-BAR INSTALLATION OPTIONS

Grid



Drywall Frame Kit

specify "H40" for drywall ceiling conditions



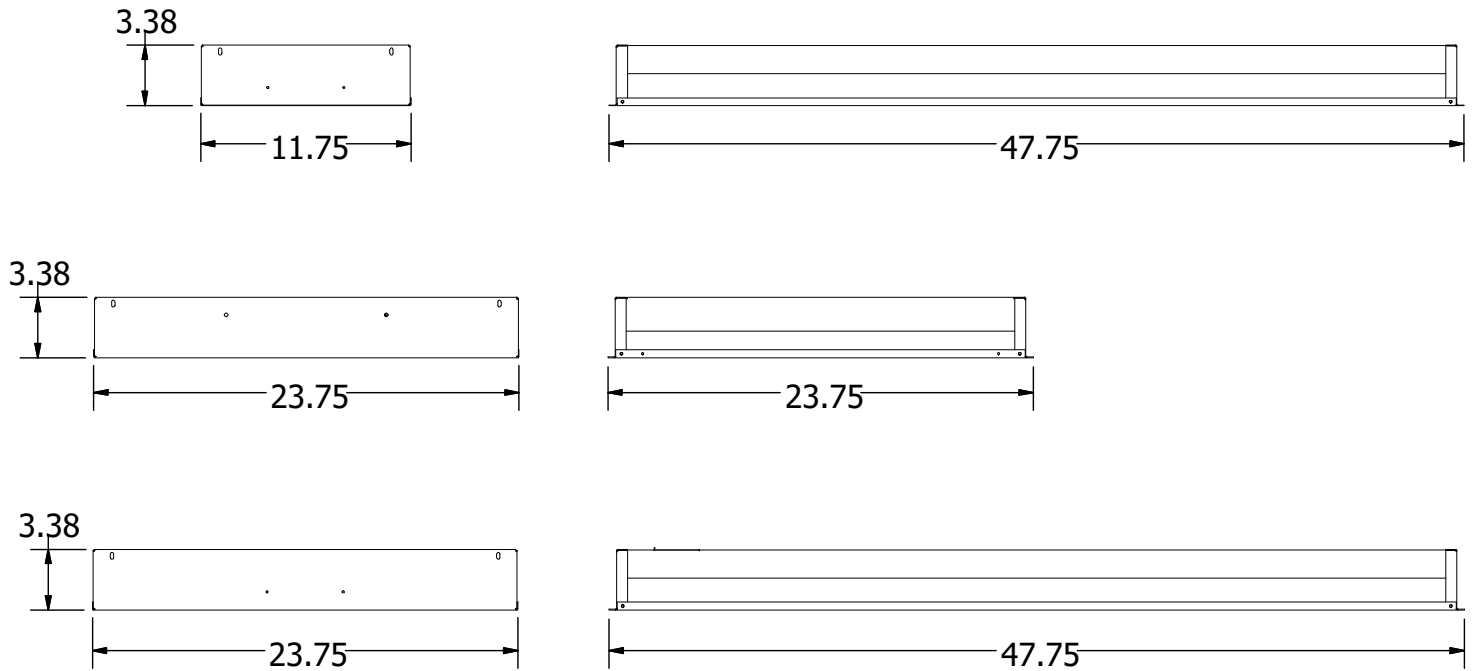
Cut out dimensions:
2' min: 24.25" max: 24.625"

Use hanger wire or screws to secure drywall frame kit.

Surface Mount Kits	
M15	BLRT24-Surface Mount Kit BLRT22-Surface Mount Kit BLRT14-Surface Mount Kit

T-Bar and Drywall Kits	
TB15	15/16"
TB9	9/16"
H40	Drywall Frame Kit

DIMENSIONS



SPECIFICATIONS

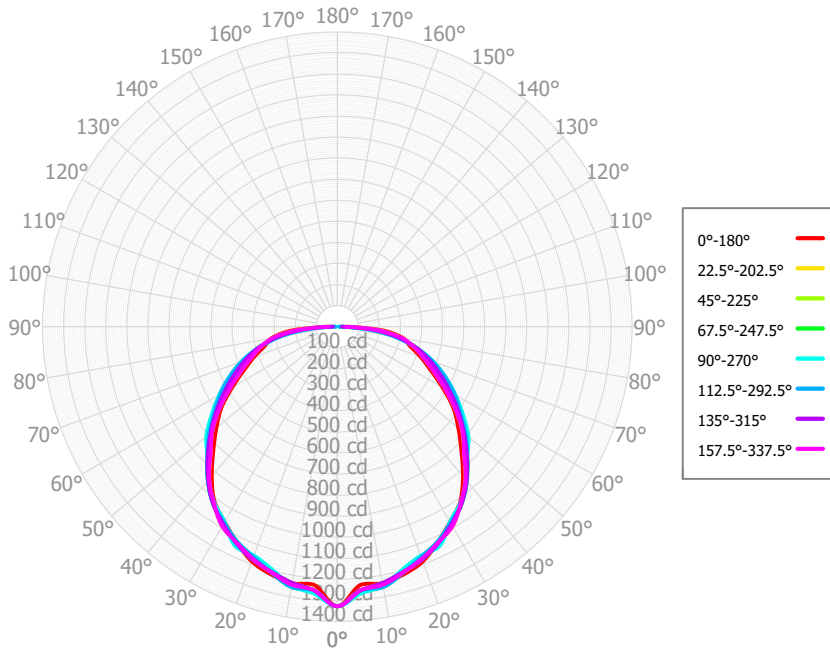
LIGHT LOSS FACTORS

CCT	Output%
2700K	92.95%
3000K	95.51%
3500K	96.80%
4000K	100%
5000K	101.28%
90CRI	84.72%

Size	Lumen Output	Fixture Wattage	Size	Lumen Output	Fixture Wattage	Size	Lumen Output	Fixture Wattage
14	2	14.8	22	2	14.8	24	3	21.7
	2.5	18.4		2.5	18.4		3.5	25.3
	3	22.1		3	22.1		4	29.0
	3.5	25.8		3.5	25.8		4.5	32.7
	4	29.5		4	29.5		5	36.3
	4.5	33.2		4.5	33.2		6	43.7
5	36.8	5	36.8	7	51.0			
							8	58.4
							9	65.7
							10	73.0

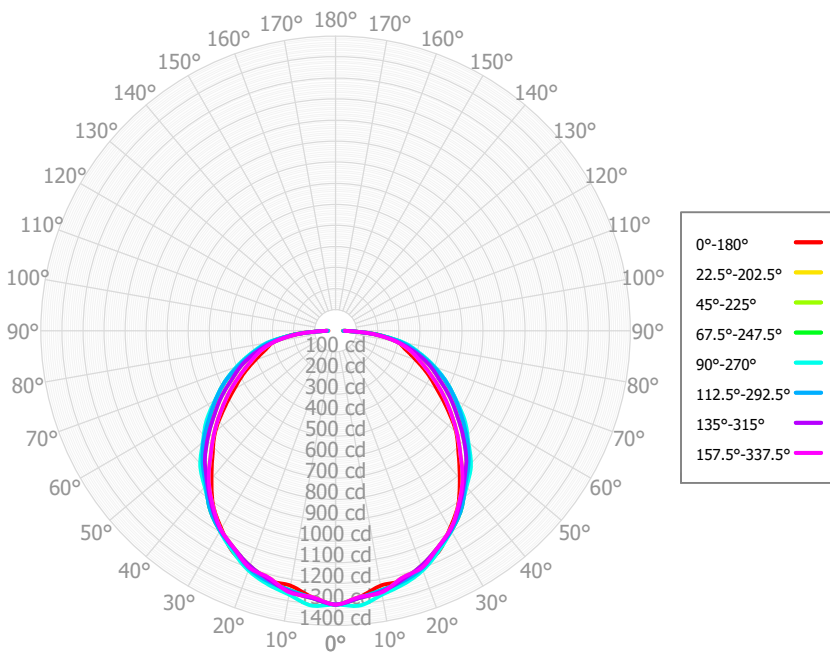
PHOTOMETRICS

BLRT14-4L-840



Mtg Height	Light Level	Beam Diameter
6.0 ft	36.9 fc	17.4 ft
8.0 ft	20.7 fc	23.2 ft
10.0 ft	13.3 fc	29.1 ft
12.0 ft	9.2 fc	34.9 ft
14.0 ft	6.8 fc	40.7 ft
16.0 ft	5.2 fc	46.5 ft

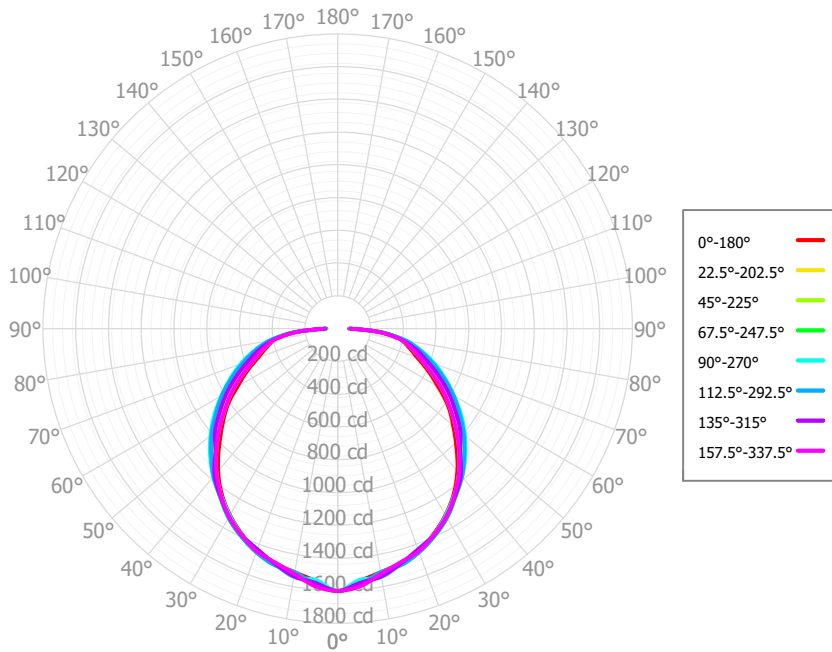
BLRT22-4L-840



Mtg Height	Light Level	Beam Diameter
6.0 ft	36.1 fc	16.9 ft
8.0 ft	20.3 fc	22.5 ft
10.0 ft	13.0 fc	28.2 ft
12.0 ft	9.0 fc	33.8 ft
14.0 ft	6.6 fc	39.4 ft
16.0 ft	5.1 fc	45.1 ft

PHOTOMETRICS

BLRT24-5L-840



Mtg Height	Light Level	Beam Diameter
6.0 ft	44.5 fc	17.8 ft
8.0 ft	25.0 fc	23.7 ft
10.0 ft	16.0 fc	29.6 ft
12.0 ft	11.1 fc	35.5 ft
14.0 ft	8.2 fc	41.4 ft
16.0 ft	6.3 fc	47.4 ft

NOTES