

Project		Date	
Part		Type	

### About the BLRT-M

This family of BLRT products comes in all common metric size formats and is designed as a recessed lay-in fixture for use in T-bar ceilings, the BLRT is well suited for use in office spaces, schools, and hospitals where a clean and professional appearance is required. The BLRT is also available in all common imperial size formats (1x4', 2x2', 2x4') and has a wide variety of options including passive and active air handling.

### Specifications

Supported Voltage	120-277V, 347V, 120-347V
Available Sizes	600x600mm, 750x750mm, 500x1500mm, 300x1200mm, 600x1200mm
Lifetime	L70 of 150,000+ hours, L90 of 45,000+ hours
Operating Temperature	-20°C/+25°C (-40°/+40°C upgrade)
Lumens	2L (2000lm) to 10L (10000lm)
CCT	2700K, 3000K, 3500K, 4000K, 5000K, 6500K
CRI	80+ standard, 90+ and 95+ available
Dimming	0-10V Standard
Mounting	Holes provided for chain or hanger, and wire mounting support for T-Bar ceilings

### Approvals

- ETL Listed
- Made with UL Listed components

## Ordering Information

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

Length  
**BLRT-M** - **300x1200** - **5L** - **840** - **UNV**  
Fixture Series Lumen Output Voltage

1	2	3	4	5	6				
BLRT-M									
Series	Size	Lumen Output		CRI		CCT		Voltage	
BLRT-M	300x1200	300x1200 (2L-5L)	1000lm-5000lm	8	80	27	2700K	UNV	120-277V
	500x1500	500x1500 (3L-10L)	3000lm-10000lm	9	90+	30	3000K	347	347V
	600x600	600x600 (2L-10L)	2000lm-10000lm	1	95+	35	3500K	UN3	120-347V
	600x1200	600x1200 (3L-10L)	3000lm-10000lm			40	4000K		
	750x750	750x750 (2L-10L)	2000lm-10000lm			50	5000K		
					65	6500K			
7									

## Options

## Lenses

BLANK | Frosted Acrylic

## 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

## Air Handling

H20 | Housing with Passive Air  
Handling

H24 | Housing with Active 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\*

## T-Bar Kits

BLANK | 15/16" T-Bar

TB39 | 9/16" T-Bar

TB39S | 9/16" T-Bar (Slotted)

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](mailto:sales@bjtake.com) for more information.

 BLRT-M Installation Instructions BLRT-M Specification Sheet, 2025 BLRT-M-300x1200 IES Files BLRT-M-500x1500 IES Files BLRT-M-600x600 IES Files BLRT-M-600x1200 IES Files BLRT-M-750x750 IES Files

## 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
	Wireless Controls Available
	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.

## Wattage Information

Below are the wattage tables for all metric size formats of the BLRT-M.

## BLRT-M 500x1500 Wattage

Size	Lumen Output	Actual Lumen Output	Wattage
2x4	3.0	3254	21.7
2x4	3.5	3780	25.3
2x4	4.0	4300	29.0
2x4	4.5	4812	32.7
2x4	5.0	5316	36.3
2x4	6.0	6304	43.7
2x4	7.0	7263	51.0
2x4	8.0	8192	58.4
2x4	9.0	9093	65.7
2x4	10.0	9966	73.0

## BLRT-M 600x1200 Wattage

Size	Lumen Output	Actual Lumen Output	Wattage
2x4	3.0	3254	21.7
2x4	3.5	3780	25.3
2x4	4.0	4300	29.0
2x4	4.5	4812	32.7
2x4	5.0	5316	36.3
2x4	6.0	6304	43.7
2x4	7.0	7263	51.0
2x4	8.0	8192	58.4
2x4	9.0	9093	65.7
2x4	10.0	9966	73.0

## BLRT-M 300x1200 Wattage

Size	Lumen Output	Actual Lumen Output	Wattage
1x4	2.0	2009	14.8
1x4	2.5	2508	18.4
1x4	3.0	3005	22.1
1x4	3.5	3500	25.8
1x4	4.0	3994	29.5
1x4	4.5	4486	33.2
1x4	5.0	4977	36.8

## BLRT-M 600x600 Wattage

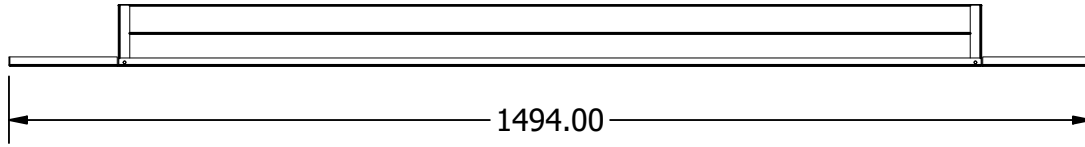
Size	Lumen Output	Actual Lumen Output	Wattage
2x2	2.0	1989	14.8
2x2	2.5	2483	18.4
2x2	3.0	2975	22.1
2x2	3.5	3465	25.8
2x2	4.0	3954	29.5
2x2	4.5	4441	33.2
2x2	5.0	4927	36.8

## BLRT-M 750x750 Wattage

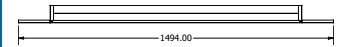
Size	Lumen Output	Actual Lumen Output	Wattage
2x2	2.0	1989	14.8
2x2	2.5	2483	18.4
2x2	3.0	2975	22.1
2x2	3.5	3465	25.8
2x2	4.0	3954	29.5
2x2	4.5	4441	33.2
2x2	5.0	4927	36.8

\* Actual lumen output may vary

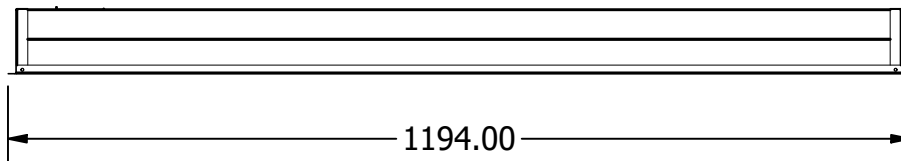
BLRT-M 500x1500mm



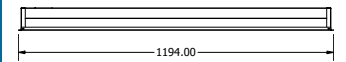
End Dimensions



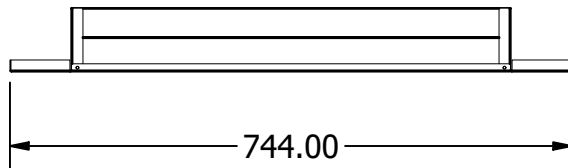
BLRT-M 600x1200mm



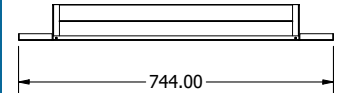
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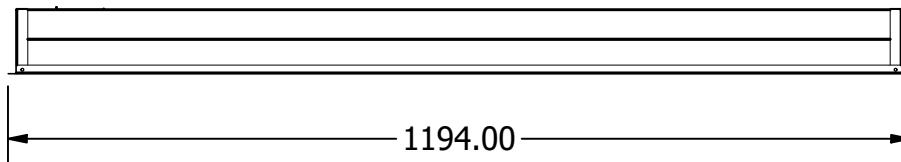
BLRT-M 750x750mm



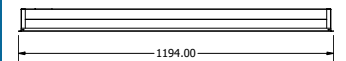
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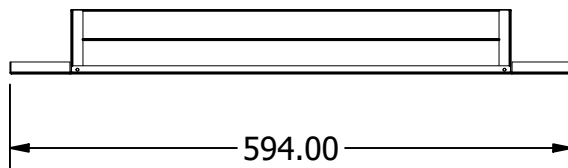
BLRT-M 300x1200mm



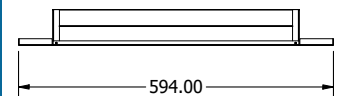
End Dimensions



BLRT-M 600x600mm



End Dimensions



\* Drawings aren't to scale

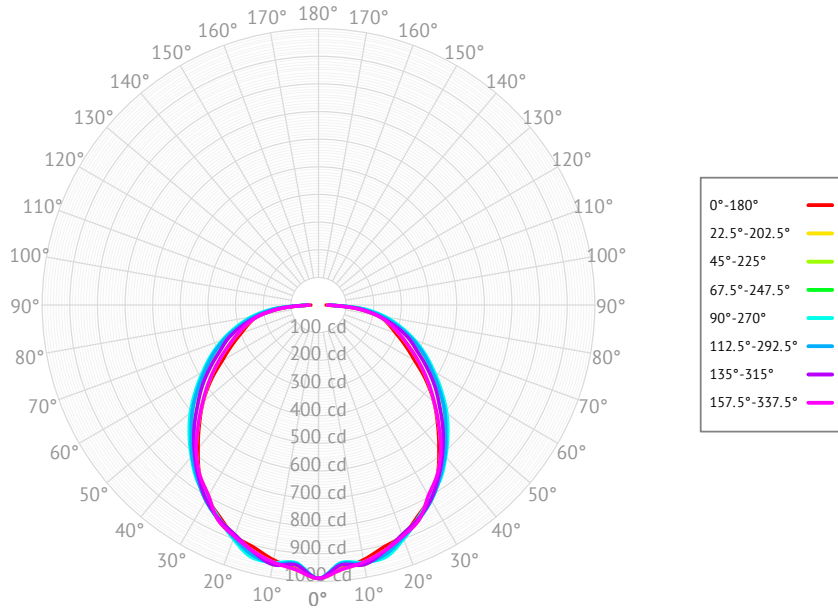
\* Standard tolerances apply

\* Specifications may change without notice

## Photometry Information

This section of photometry data is only applicable to the **750x750** size format.

## BLRT-M-750x750-3L-840

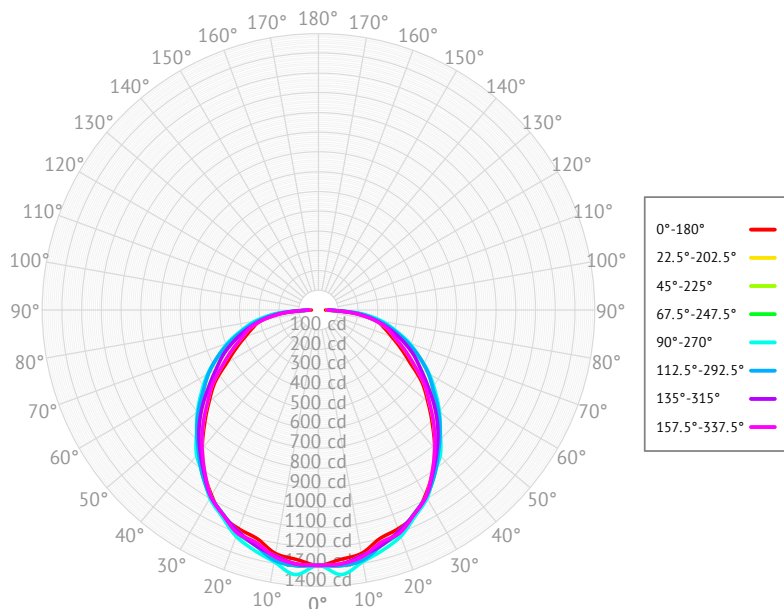


Based on the BLRT-M-750x750, 3000lm, 80 CRI, 4000K

## Cone of Light

Mtg Height	Light Level	Beam Diameter
6.0 ft	27.5 fc	16.3 ft
8.0 ft	15.5 fc	21.7 ft
10.0 ft	9.9 fc	27.2 ft
12.0 ft	6.9 fc	32.6 ft
14.0 ft	5.0 fc	38.0 ft
16.0 ft	3.9 fc	43.5 ft

## BLRT-M-750x750-4L-840-H20



Based on the BLRT-M-750x750, 4000lm, 80 CRI, 4000K w/ Passive Air Handling

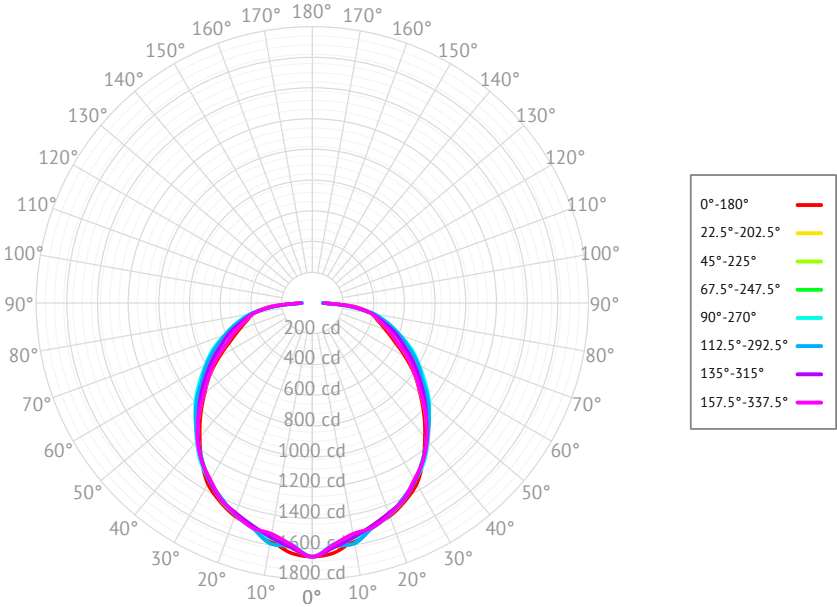
## Cone of Light

Mtg Height	Light Level	Beam Diameter
6.0 ft	35.9 fc	16.0 ft
8.0 ft	20.2 fc	21.3 ft
10.0 ft	12.9 fc	26.6 ft
12.0 ft	9.0 fc	32.0 ft
14.0 ft	6.6 fc	37.3 ft
16.0 ft	5.1 fc	42.6 ft

Photometry Information

This section of photometry data is only applicable to the **500x1500** size format.

BLRT-M-500x1500-5L-840



Based on the BLRT-M-500x1500, 5000lm, 80 CRI, 4000K

Cone of Light

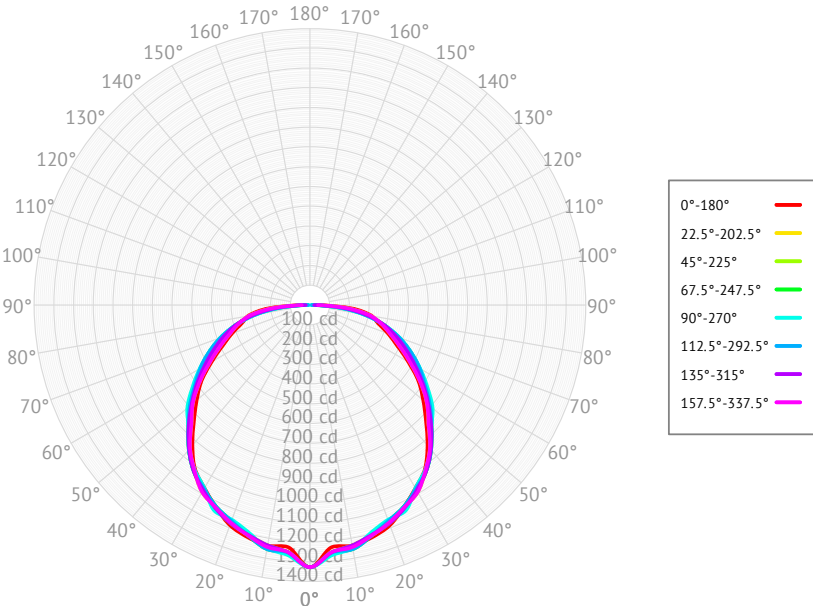
Mtg Height	Light Level	Beam Diameter
6.0 ft	45.9 fc	16.8 ft
8.0 ft	25.8 fc	22.4 ft
10.0 ft	16.5 fc	28.0 ft
12.0 ft	11.5 fc	33.6 ft
14.0 ft	8.4 fc	39.2 ft
16.0 ft	6.5 fc	44.8 ft



Photometry Information

This section of photometry data is only applicable to the **300x1200** size format.

BLRT-M-300x1200-4L-840



Based on the BLRT-M-300x1200, 4000lm, 80 CRI, 4000K

Cone of Light

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

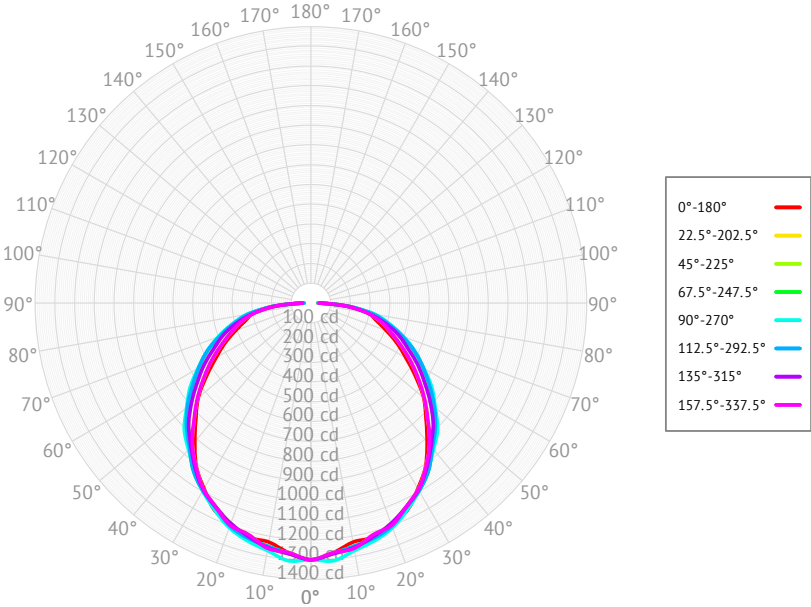


# BLRT-M

Photometry Information

This section of photometry data is only applicable to the **600x600** size format.

BLRT-M-600x600-4L-840



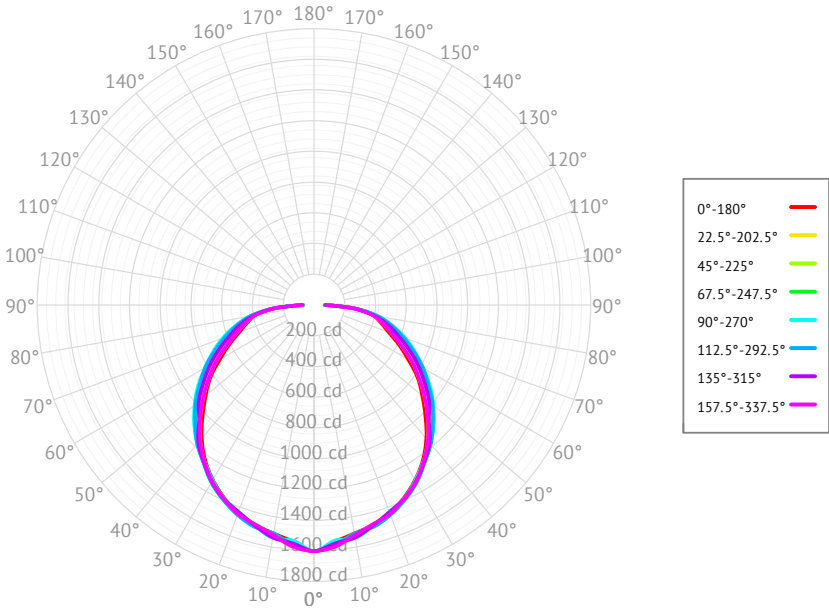
Cone of Light

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

Photometry Information

This section of photometry data is only applicable to the **600x1200** size format.

BLRT-M-600x1200-5L-840



Based on the BLRT-M-600x1200, 5000lm, 80 CRI, 4000K

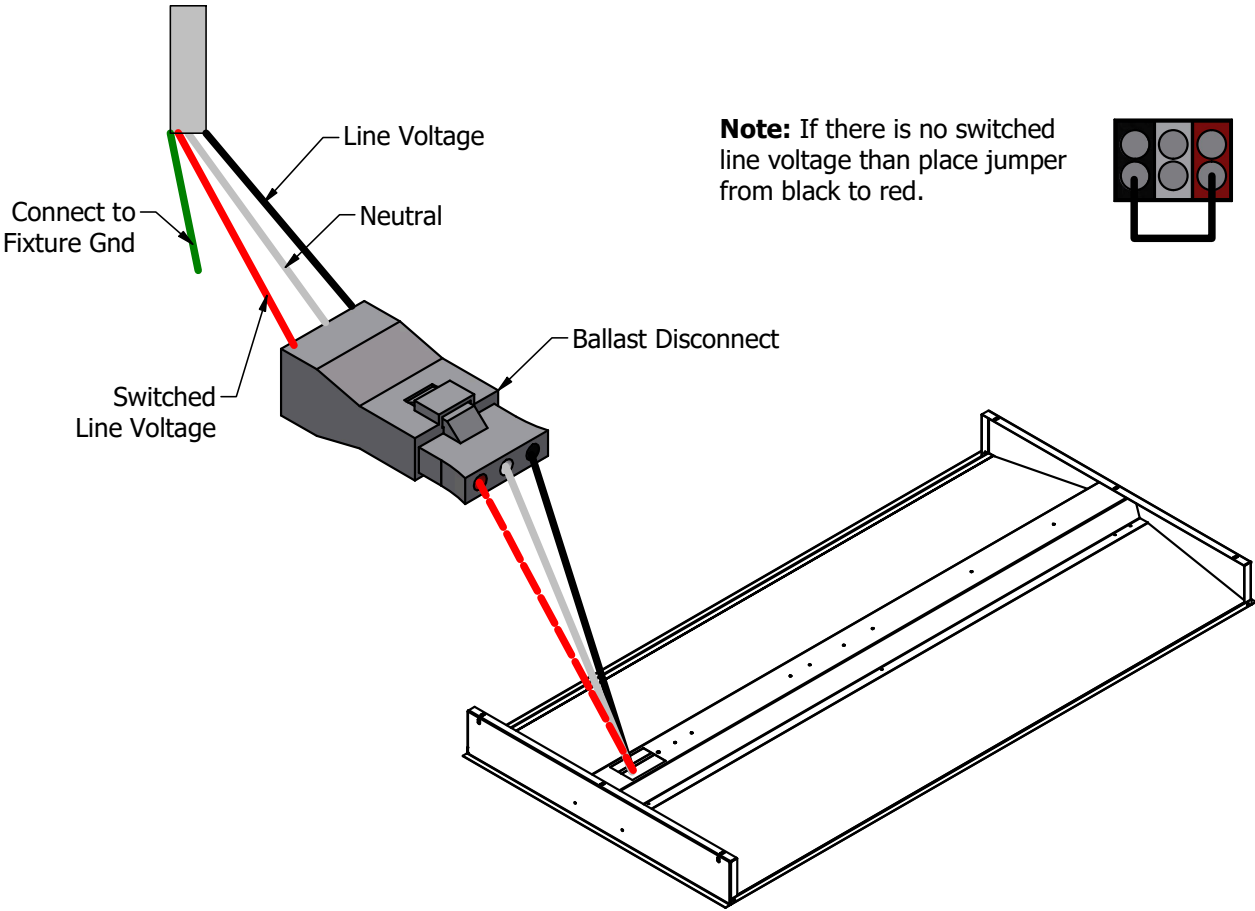
Cone of Light

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

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



Important Information

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