

The Elora Series

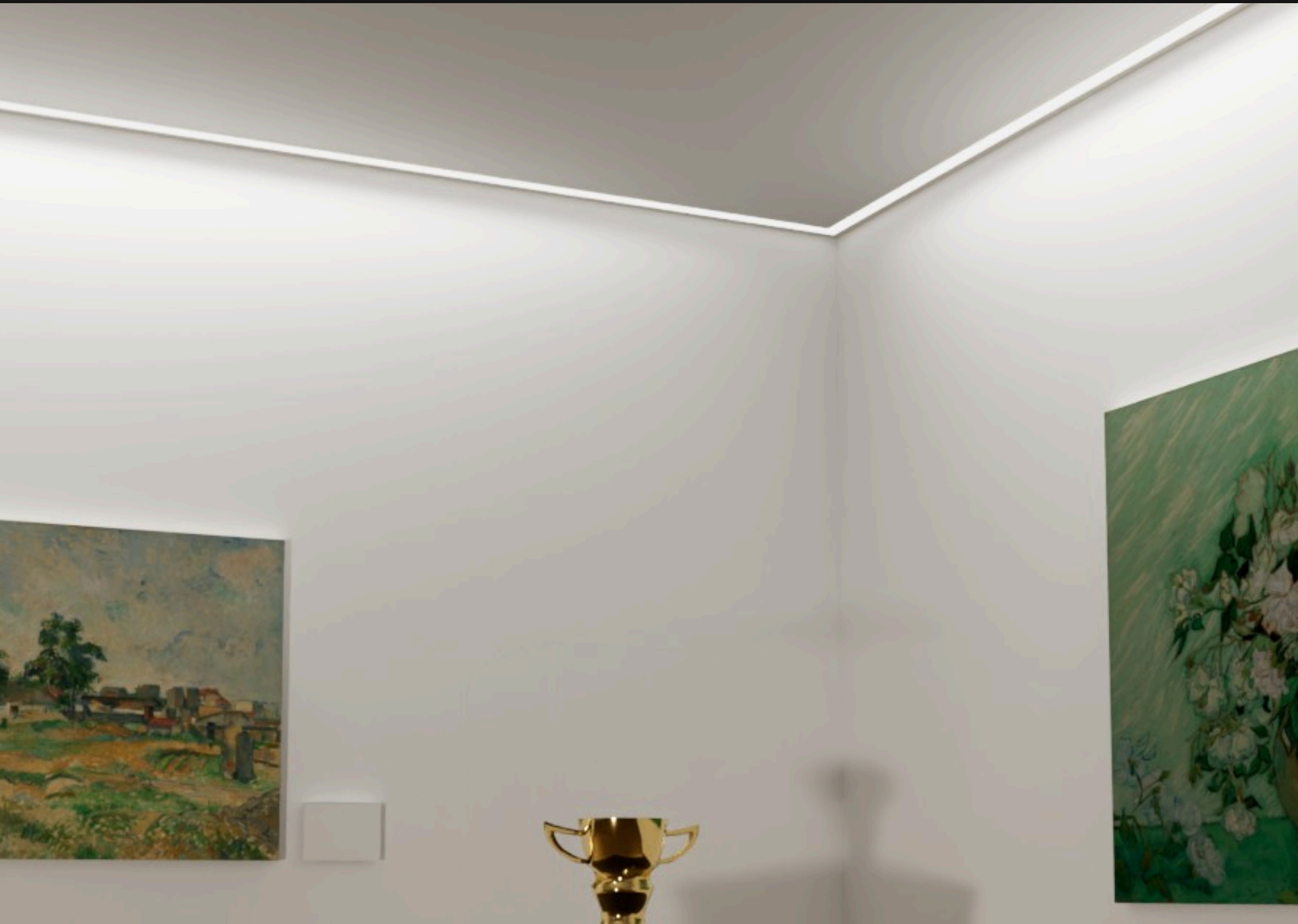
BLRE - Architectural Recessed Linear

Project

Date

Part

Type



About The Elora Series

The BLRE is a series of recessed luminaires ideal for indoor use where energy-efficiency, performance and ease of maintenance is essential. Its narrow recessed design makes it ideal for interior perimeter lighting

Specifications

Supported Voltage	120-277V, 120-347V, 277V, 347V, 480V
Available Sizes	2', 4', 8'
Lifetime	L70 of 99,000+ hours, L90 of 30,000+ hours
Operating Temperature	-20°C/+25°C
Lumens	2' 1L (1000lm) to 8' 8L (8000lm)
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, wire mounting support for T-Bar ceilings, drywall mud and tape, drywall clamp
Room-Side Serviceability	Standard on all models

Approvals

- ETL Listed
- Dry and Damp Environment Rated
- Designed and Manufactured in Canada

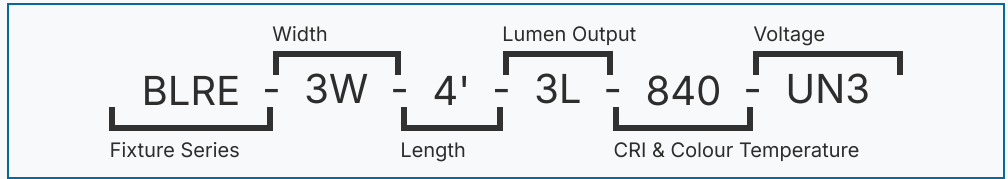
Warranty

- | 5 Year Comprehensive, 10 Year LED

The Elora Series

BLRE - Architectural Recessed Linear

Please use the diagram to the right as an example of a completed order code. If you need any assistance contact your local sales representative.



1	2	3	4	5	6	7
BLRE						

Series	Width	Size	Lumen Output	CRI	Colour Temp	Voltage	
BLRE	3W	3" Wide	2' Output Range	8	27	UNV	
		6" Wide	2L (1000lm)	9	2700K	120-277V	
	4'	8'	4' Output Range	1	30	UN3	
			2L (2000lm)	95+ CRI	35	3000K	120-347V
	4L (4000lm)	8' Output Range	4L (4000lm)	0	40	277	277V
			4L (4000lm)	THRIVE	40	347	347V
	6L (6000lm)	4L (4000lm)	50	480	480V		
	8L (8000lm)	6L (6000lm)	65				
		8L (8000lm)					


8


Options

<p>Lenses</p> <ul style="list-style-type: none"> BLANK Frosted Acrylic L** Other Options Available* <p>Dimming</p> <ul style="list-style-type: none"> B11 0-10V Dimming Leads B12 Line Voltage Dimming B27 Dim-to-off Driver B** Other Options Available* <p>Wireless Controls</p> <ul style="list-style-type: none"> WCAWN Lutron Athena (Node) WCAWNS Lutron Athena (Sensor) WC10 Encelium WC18 NX Wireless WC19 Avi-on WC22 JDRF Autonomy WC31 Keilton WCxx Other Options Available* 	<p>Motion Sensors</p> <ul style="list-style-type: none"> WX15 Internal Dimming Low Voltage Microwave Sensor WC20 Leviton Low-Voltage Sensor W** Other Options Available* <p>Emergency Driver</p> <ul style="list-style-type: none"> B17 UL924 10W Battery Back-up F8 UL924 Emergency Relay <p>Finish</p> <ul style="list-style-type: none"> BLANK Standard Matte White C5 Matte Black CUSTOM* Custom Colour Choice <p>Packaging</p> <ul style="list-style-type: none"> BLANK Individually Boxed on Pallets P0 Bulk Packaging 	<p>Mounting</p> <ul style="list-style-type: none"> BLANK 15/16" T-Bar Flange TB39 9/16" T-Bar Flange H14 Integrated Drywall Flange H25 Drywall Flange with Drywall Clamps H26 Drywall Mud and Tape Flange <p>Custom Widths</p> <ul style="list-style-type: none"> Z4W 4" Wide Z5W 5" Wide <p>Warranty</p> <ul style="list-style-type: none"> 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.

 [BLRE-3W Installation Instructions - 2019](#)

 [BLRE - Photometry](#)

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

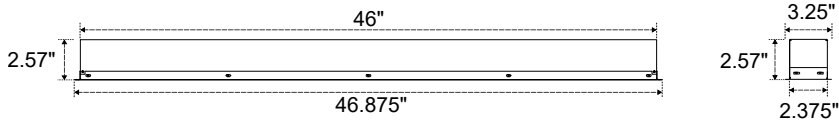
Warranty Statement

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.

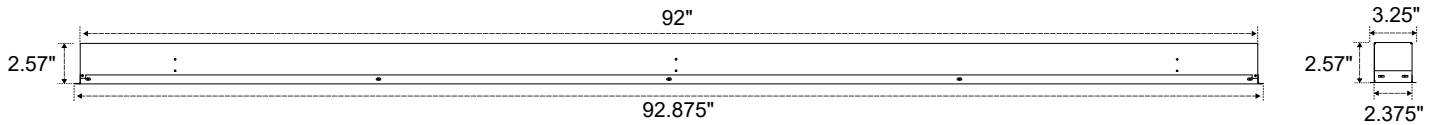
BLRE Dimensions (Base Models (H29))

Please see pages 4-6 for each BLRE permutation of 3W and 6W models at 4' and 8' with each flange option.
This page pertains to the 3W and 6W base models at 4' and 8'.

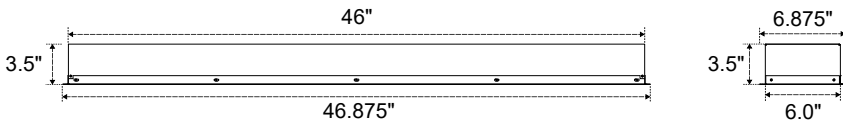
4' 3W - Base Model



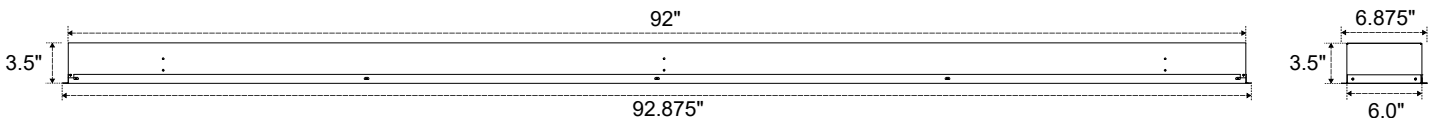
8' 3W - Base Model



4' 6W - Base Model



8' 6W - Base Model



BLRE Dimensions Table (Base Models (H29))

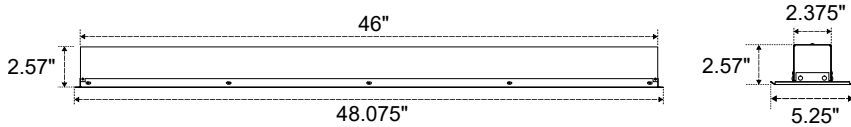
Model	Length(without flange)	Length(with flange)	Width (without flange)	Width(with flange)	Height
4' 3W	46"	46.875"	2.375"	3.25"	2.57"
8' 3W	92"	92.875"	2.375"	3.25"	2.57"
4' 6W	46"	46.875"	6.0"	6.875"	3.5"
8' 6W	92"	92.875"	6.0"	6.875"	3.5"

- * Drawings not to scale
- * Standard tolerances apply
- * Specifications may change without notice

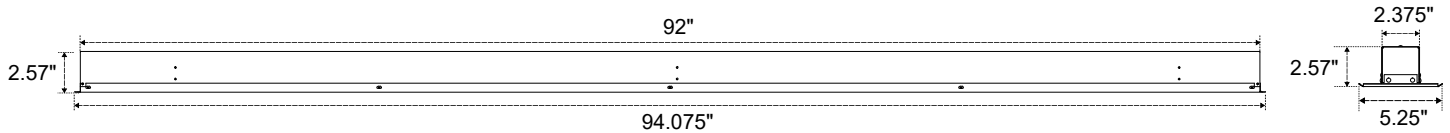
BLRE Dimensions (H14 Models)

Please see pages 4-6 for each BLRE permutation of 3W and 6W models at 4' and 8' with each flange option.
This page pertains to the 3W and 6W base models with integrated drywall flanges(H14) at 4' and 8'.

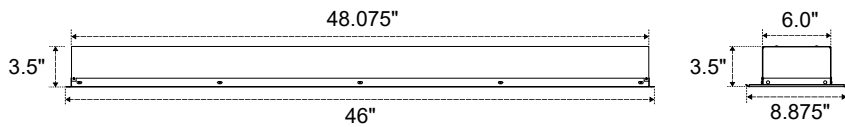
4' 3W - Integrated Drywall Flange (H14)



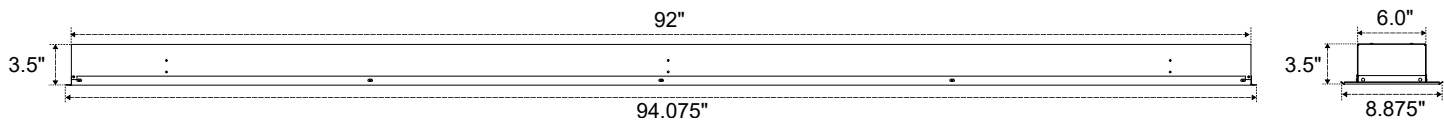
8' 3W - Integrated Drywall Flange (H14)



4' 6W - Integrated Drywall Flange (H14)



8' 6W - Integrated Drywall Flange (H14)



BLRE Dimensions Table (H14 Models)

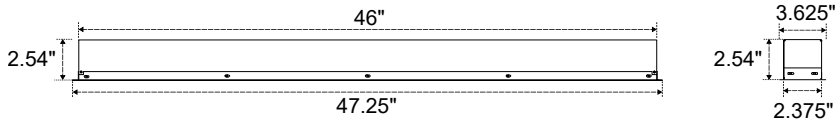
Model	Length(without flange)	Length(with flange)	Width (without flange)	Width(with flange)	Height
4' 3W (H14)	46"	48.075"	2.375"	5.25"	2.57"
8' 3W (H14)	92"	94.075"	2.375"	5.25"	2.57"
4' 6W (H14)	46"	48.075"	6.0"	8.875"	3.5"
8' 6W (H14)	92"	94.075"	6.0"	8.875"	3.5"

- * Drawings not to scale
- * Standard tolerances apply
- * Specifications may change without notice

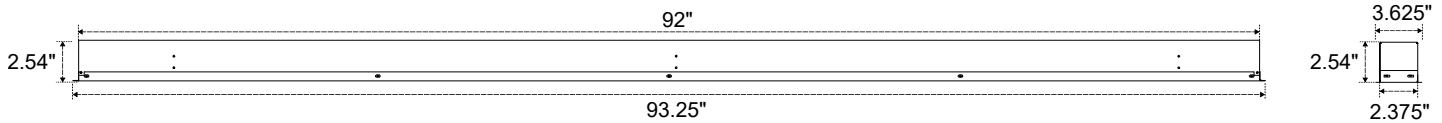
BLRE Dimensions (H26 Models)

Please see pages 4-6 for each BLRE permutation of 3W and 6W models at 4' and 8' with each flange option.
This page pertains to the 3W and 6W base models with drywall mud and tape flanges(H26) at 4' and 8'.

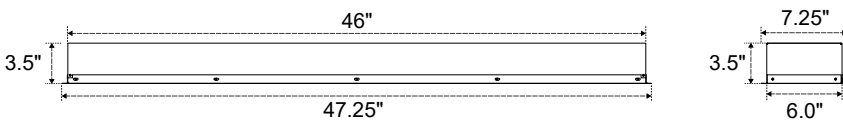
4' 3W - Drywall Mud & Tape Flange (H26)



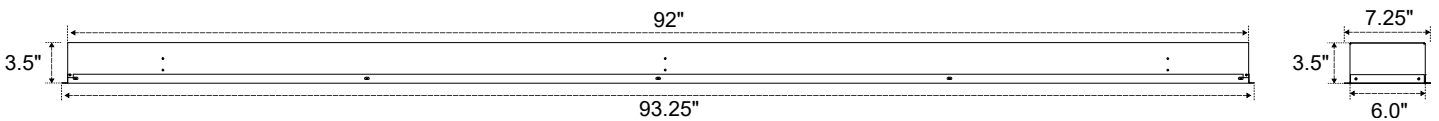
8' 3W - Drywall Mud & Tape Flange (H26)



4' 6W - Drywall Mud & Tape Flange (H26)



8' 6W - Drywall Mud & Tape Flange (H26)



BLRE Dimensions Table (H26 Models)

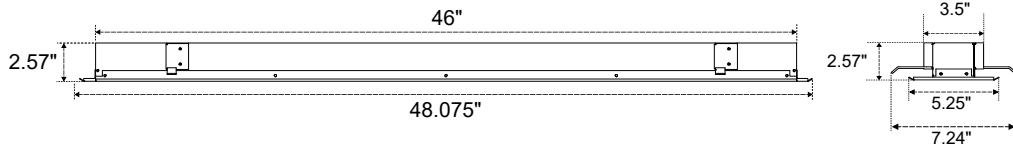
Model	Length(without flange)	Length(with flange)	Width (without flange)	Width(with flange)	Height
4' 3W (H26)	46"	47.25"	2.375"	3.625"	2.54"
8' 3W (H26)	92"	93.25"	2.375"	3.25"	2.54"
4' 6W (H26)	46"	47.25"	6.0"	7.25"	3.5"
8' 6W (H26)	92"	93.25"	6.0"	7.25"	3.5"

- * Drawings not to scale
- * Standard tolerances apply
- * Specifications may change without notice

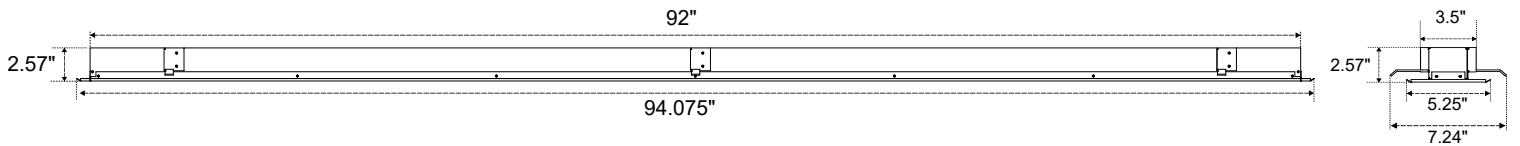
BLRE Dimensions (H25 Models)

Please see pages 4-6 for each BLRE permutation of 3W and 6W models at 4' and 8' with each flange option.
This page pertains to the 3W and 6W base models with drywall flanges and clamps(H25) at 4' and 8'.

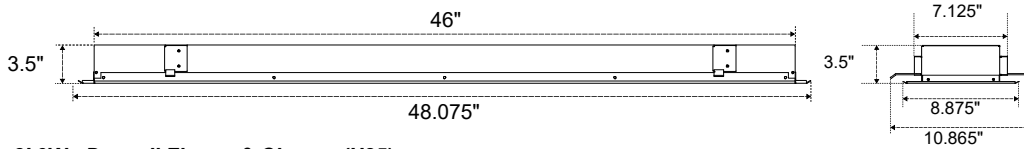
4' 3W - Drywall Flange & Clamps (H25)



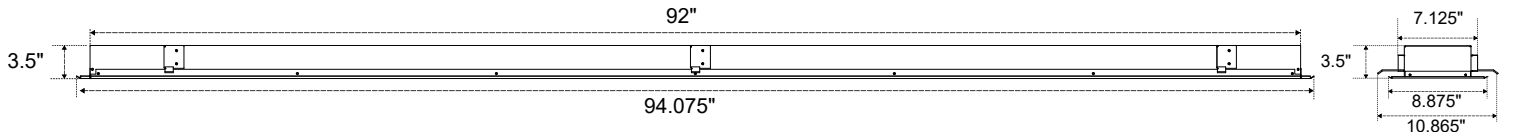
8' 3W - Drywall Flange & Clamps (H25)



4' 6W - Drywall Flange & Clamps (H25)



8' 6W - Drywall Flange & Clamps (H25)

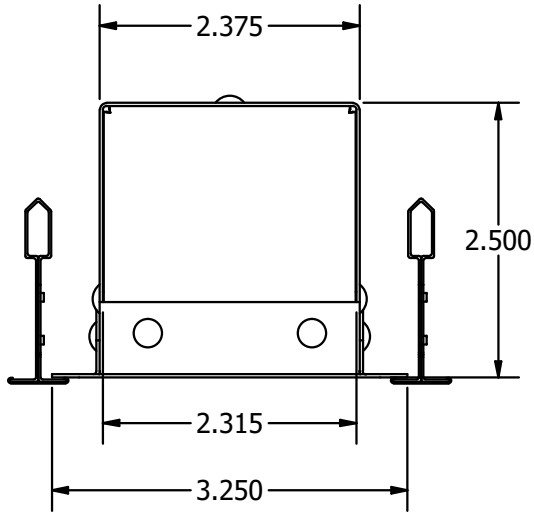


- * Drawings not to scale
- * Standard tolerances apply
- * Specifications may change without notice

BLRE T-Bar Dimensions (3W/6W Models)

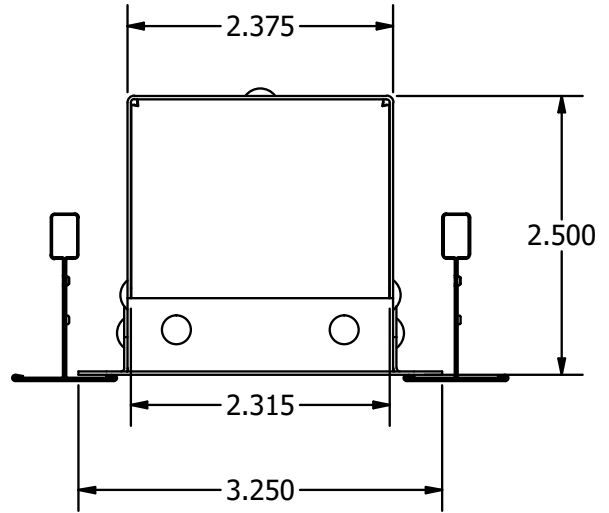
This page contains the T-Bar dimensions for the 3W and 6W models of the BLRE.

BLRE 3W - 9/16" T-Bar (TB39)



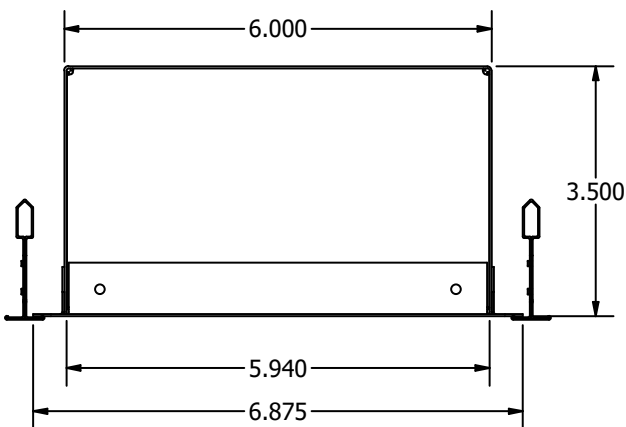
3.5" Grid Centers *

BLRE 3W - 15/16" T-Bar (Standard)



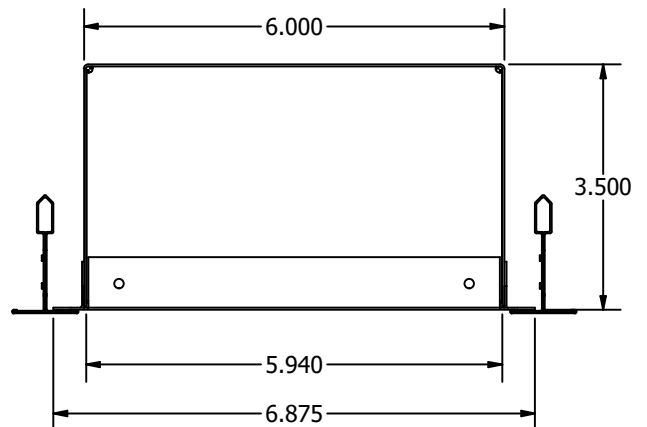
3.5" Grid Centers *

BLRE 6W - 9/16" T-Bar (TB39)



7.125" Grid Centers *

BLRE 6W - 15/16" T-Bar (Standard)

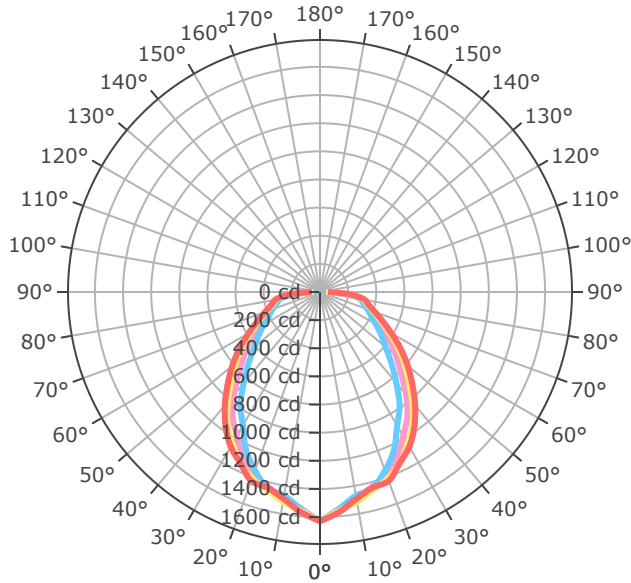


7.125" Grid Centers *

* Drawings not to scale
* Standard tolerances apply
* Specifications may change without notice

BLRE-3W-4'-4L-840-H29

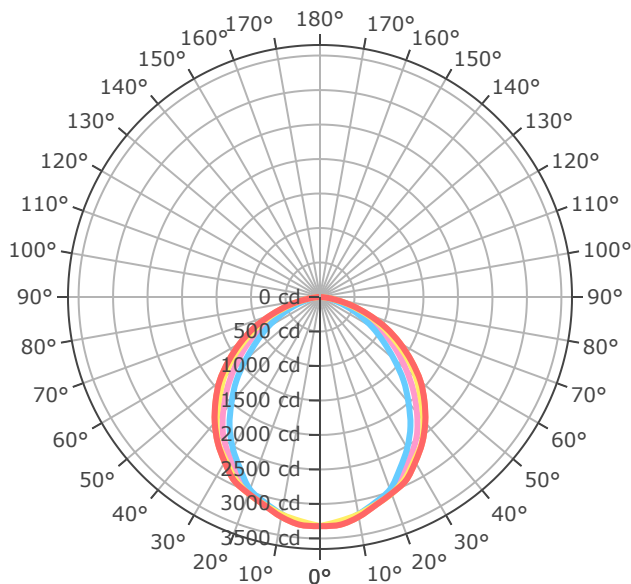
This photometry data is produced from a 4' 3W base model(H29) at 4000 lumens, 80 CRI, and 4000K



Mtg Height	Light Level	Beam Diameter
6.0 ft	45.2 fc	14.2 ft
8.0 ft	25.4 fc	19.0 ft
10.0 ft	16.3 fc	23.7 ft
12.0 ft	11.3 fc	28.5 ft
14.0 ft	8.3 fc	33.2 ft
16.0 ft	6.4 fc	38.0 ft
24.0 ft	2.8 fc	57.0 ft
32.0 ft	1.6 fc	76.0 ft
40.0 ft	1.0 fc	95.0 ft
48.0 ft	0.7 fc	114.0 ft
56.0 ft	0.5 fc	133.0 ft
64.0 ft	0.4 fc	152.0 ft

BLRE-3W-8'-8L-840-H29

This photometry data is produced from a 8' 3W base model(H29) at 4000 lumens, 80 CRI, and 4000K



Mtg Height	Light Level	Beam Diameter
6.0 ft	92.3 fc	16.7 ft
8.0 ft	51.9 fc	22.2 ft
10.0 ft	33.2 fc	27.8 ft
12.0 ft	23.1 fc	33.4 ft
14.0 ft	16.9 fc	38.9 ft
16.0 ft	13.0 fc	44.5 ft
24.0 ft	5.8 fc	66.7 ft
32.0 ft	3.2 fc	89.0 ft
40.0 ft	2.1 fc	111.2 ft
48.0 ft	1.4 fc	133.4 ft
56.0 ft	1.1 fc	155.7 ft
64.0 ft	0.8 fc	177.9 ft

THRIVE™ is an **optional** natural daylight technology replacing typical CRI order codes.



Order Code	Option	Use-case
8	80 CRI	Energy-efficient, lower cost, acceptable colour rendering for general lighting applications.
9	90 CRI	More accurate, natural and vibrant colour appearance. Suitable for retail, offices, and applications where colour accuracy is of higher importance.
1	95+ CRI	Near-perfect colour fidelity, excellent for architectural, medical, retail, and other premium applications.
0	THRIVE	Human-centric lighting engineered to provide the most accurate recreation of natural daylight. Highly beneficial for healthcare, office environments, schools and other applications where all-day comfort and general well-being are top priorities.

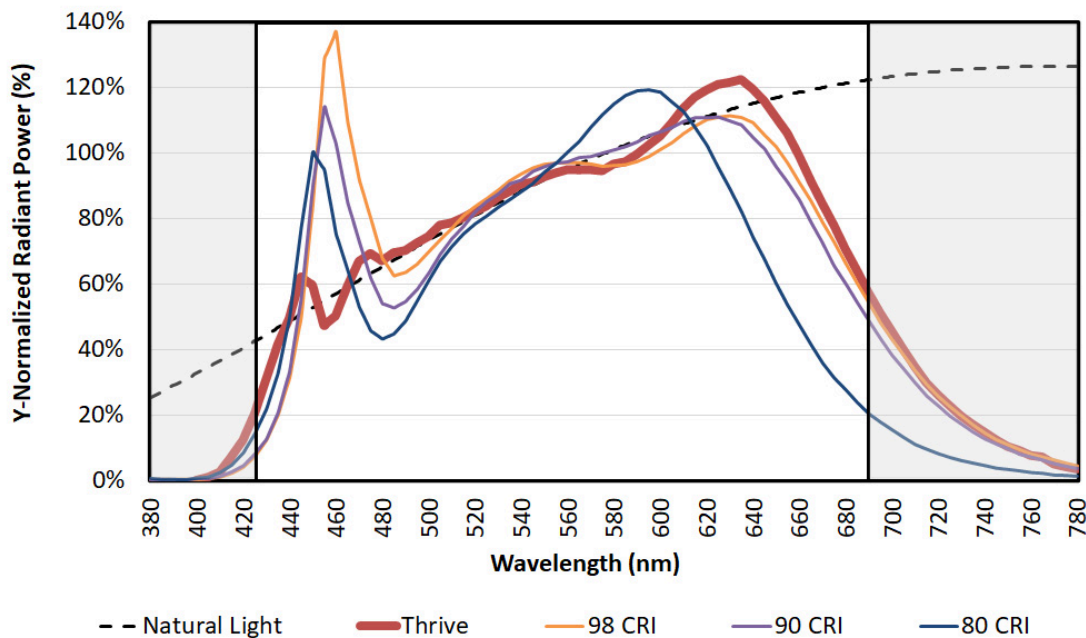
Engineered to provide the closest match to natural light available using proprietary chip, phosphor, and packaging technology, Thrive can be used in constant colour point luminaires to bring full spectrum natural light indoors, or in tunable white luminaires to incorporate circadian elements that may impact human well-being.

The high-fidelity spectral output of Thrive creates stunning environments with excellent colour rendering and outstanding TM-30 metrics. Target applications include office, education, healthcare, retail, hospitality, architectural, museums, and residential lighting.

[Bridgelux White Paper - Average Spectral Difference.pdf](#)

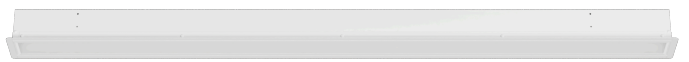
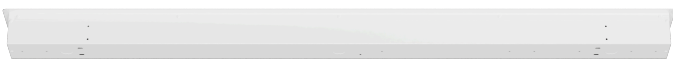
The effect of the THRIVE™ spectral power distributions at a CCT of 4000K (typical for interior lighting in commercial, office, and education settings) is shown in the figure below. The reference light source at this colour temperature is firelight, represented diagrammatically as the blackbody curve (BBC) and referenced in the below figure as natural light. LEDs offering a CRI of 90 or 98 have a closer match to the blackbody curve than the 80 CRI light source. Nevertheless, across the entire visual spectrum, both light sources show a substantial deviation from the natural light BBC. This is shown in the spectral spikes (deviations above the blackbody curve) and valleys (deviations below the blackbody curve).

Spectral power distributions of LED light sources at 4000K against the blackbody curve.



Gallery Information

Below you will find images of relevant products and configurations for the BLRE.



Gallery Information

Below you will find images of relevant products and configurations for the BLRE.

