

The Elora Series

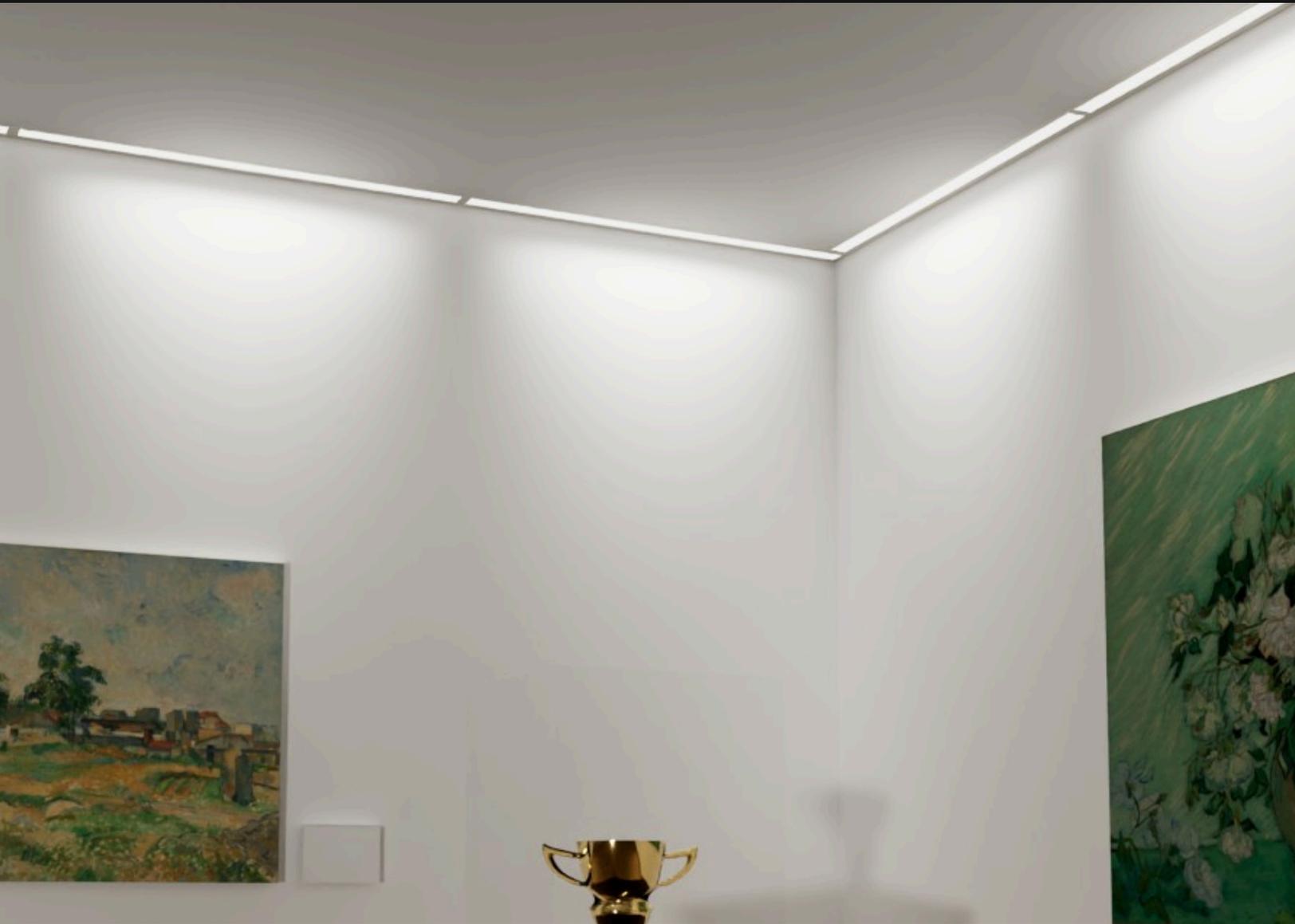
BLRE - Architectural Recessed Linear

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, 347V, 120-347V, 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

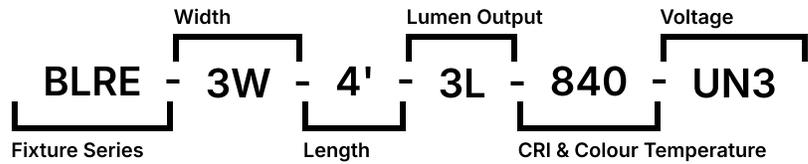
- ETL Listed
- Dry and Damp Environment Rated
- Designed and Manufactured in Canada

Warranty

- | 5 Year Comprehensive, 10 Year LED

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	7		
Series	Width		Size	Lumen Output		CRI	Colour Temp	Voltage
BLRE	3W	3" Wide	2' 2' Length	2' - 1L	(1000lm)	8 80 CRI	27 2700K	UNV 120-277V
	6W	6" Wide	4' 4' Length	2' - 2L	(2000lm)	9 90 CRI	30 3000K	UN3 120-347V
			8' 8' Length	4' - 2L	(2000lm)	1 95+ CRI	35 3500K	347 347V
				4' - 3L	(3000lm)	0 THRIVE	40 4000K	480 480V
				4' - 4L	(4000lm)		50 5000K	
				8' - 4L	(4000lm)		65 6500K	
				8' - 6L	(6000lm)			
				8' - 8L	(8000lm)			

Options

Lenses

- BLANK | Frosted Acrylic
- L** | Other Options Available*

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

Finish

- BLANK | Standard Matte White
- C5 | Matte Black
- CUSTOM* | Custom Colour Choice

Packaging

- BLANK | Individually Boxed on Pallets
- P0 | Bulk Packaging

Mounting

- BLANK | Recessed T-Bar Flange
- H14 | Integrated Drywall Flange
- H25 | Drywall Flange with Drywall Clamps
- H26 | Drywall Mud and Tape Flange

Custom Widths

- Z4W | 4" Wide
- Z5W | 5" Wide

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.

 [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

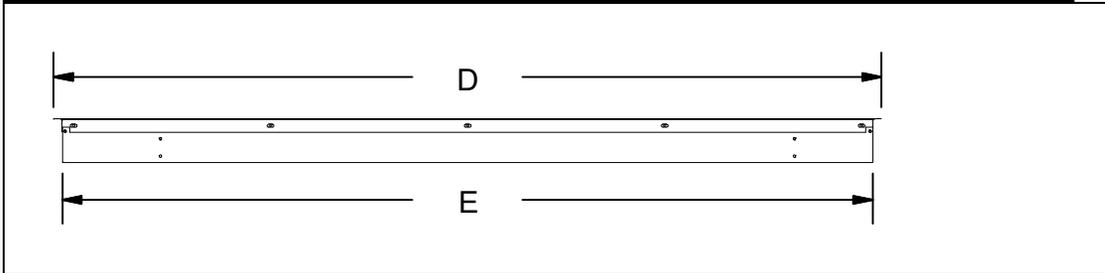
Warranty Statement

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.

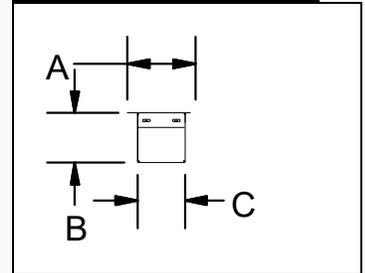
Important Information

This page of dimensions pertains specifically to the **3 inch wide** packages ranging from 4 foot to 8 foot. Continue on to the next page for additional diagrams and dimensions.

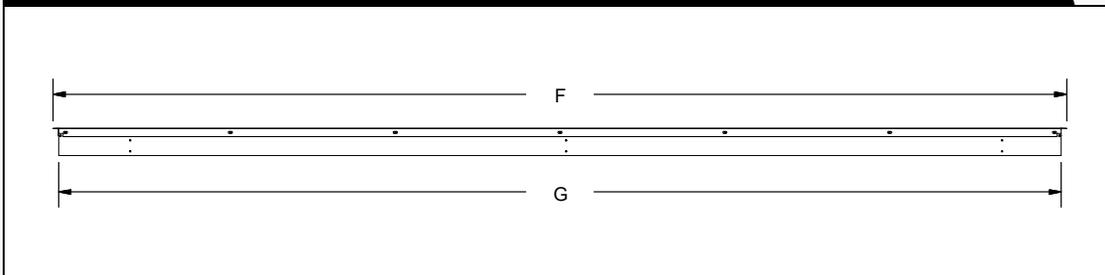
BLRE 4' 3"W, Side View



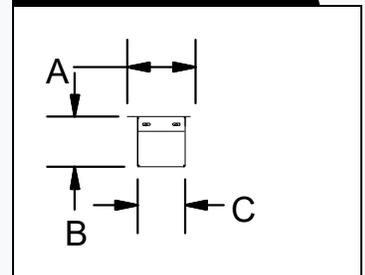
4' 3"W, End View



BLRE 8' 3"W, Side View



4' 3"W, End View



BLRE, 3W Dimensions

Fixture Option	A	B	C	D	E	F	G
Blank - Recessed T-Bar Flange	3.375	2.5	2.375	47.000	46.0	93.00	92.0
H14 - Integrated Drywall Flange	5.250	2.5	2.375	48.075	46.0	93.00	92.0
H26 - Drywall Mud and Tape Flange	3.625	2.5	2.375	47.250	46.0	93.25	92.0

* Drawings not to scale

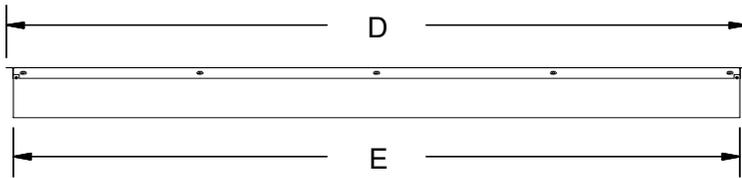
* Standard tolerances apply

* Specifications may change without notice

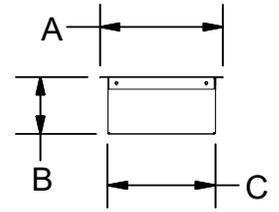
Important Information

This page of dimensions pertains specifically to the **6 inch wide** packages ranging from 4 foot to 8 foot. Continue on to the next page for additional diagrams and dimensions.

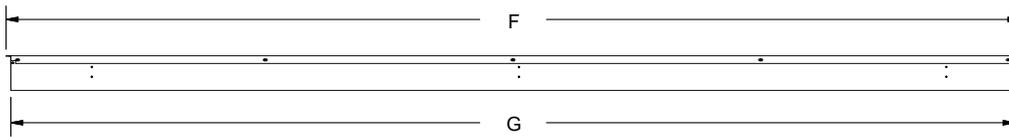
BLRE 4' 6"W, Side View



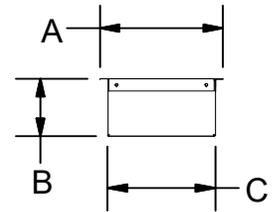
4' 6"W, End View



BLRE 8' 6"W, Side View



4' 6"W, End View



BLRE, 3W Dimensions

Fixture Option	A	B	C	D	E	F	G
Blank - Recessed T-Bar Flange	6.875	3.5	6.0	46.875	46.0	94.875	94.0
H14 - Integrated Drywall Flange	8.875	3.5	6.0	46.875	46.0	94.875	94.0
H26 - Drywall Mud and Tape Flange	7.125	3.5	6.0	47.125	46.0	95.125	94.0

* Drawings not to scale

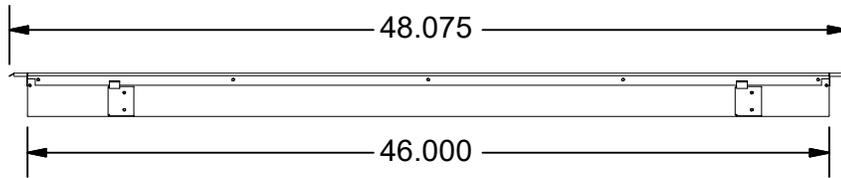
* Standard tolerances apply

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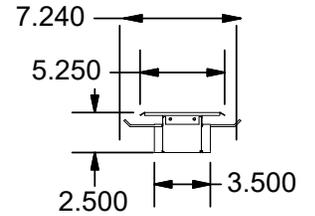
Important Information

This page of dimensions pertains specifically to the **H25 (Drywall Flange with Drywall Clamps)** packages ranging from 4 foot to 8 foot.

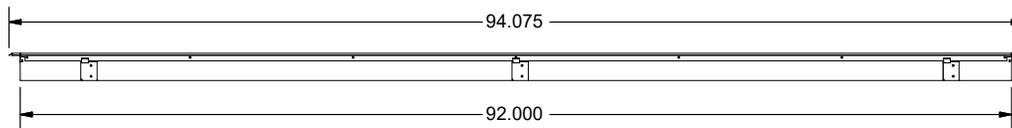
BLRE 4' 3"W H25, Side View



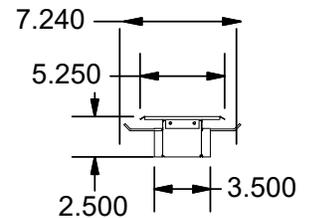
4' 3"W H25 End View



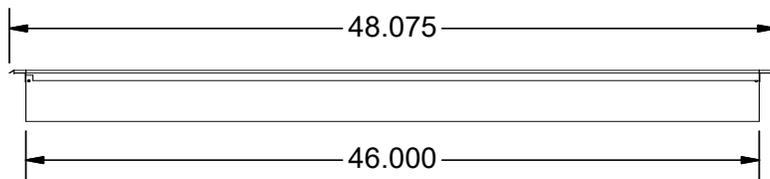
BLRE 8' 3"W H25, Side View



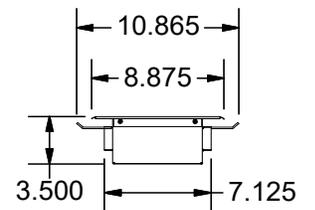
4' 3"W H25, End View



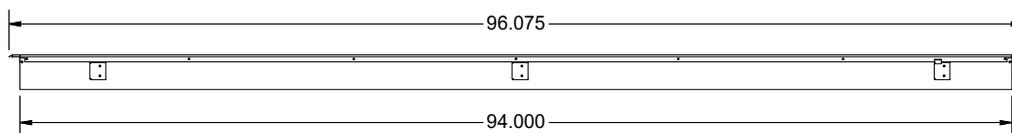
BLRE 4' 6"W H25, Side View



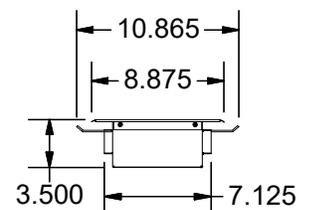
4' 6"W H25, End View



BLRE 8' 6"W H25, Side View

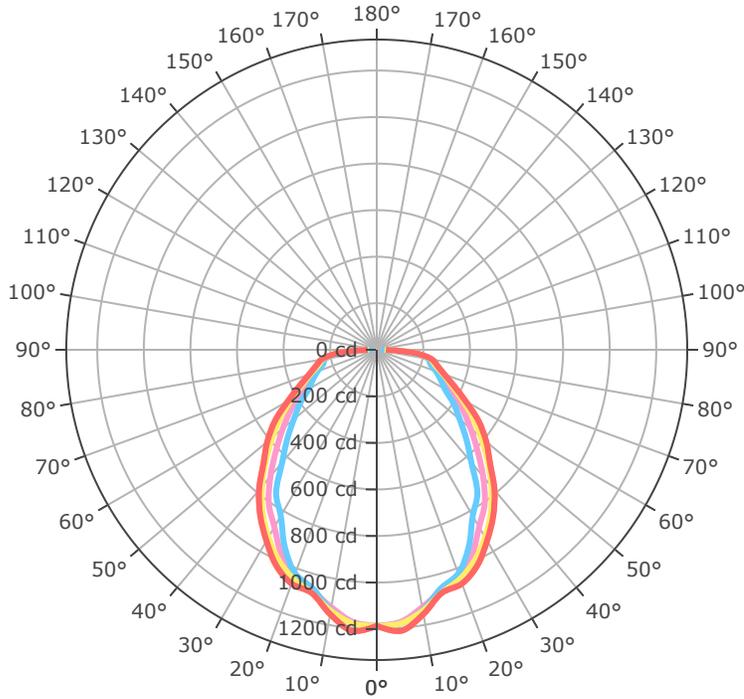


4' 6"W H25, End View



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

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



- 0.0°
- 45.0°
- 90.0°
- 135.0°
- 180.0°

Mtg Height	Light Level	Beam Diameter
6.0 ft	32.9 fc	15.0 ft
8.0 ft	18.5 fc	19.9 ft
10.0 ft	11.9 fc	24.9 ft
12.0 ft	8.2 fc	29.9 ft
14.0 ft	6.1 fc	34.9 ft
16.0 ft	4.6 fc	39.9 ft
24.0 ft	2.1 fc	59.8 ft
32.0 ft	1.2 fc	79.8 ft
40.0 ft	0.7 fc	99.7 ft
48.0 ft	0.5 fc	119.6 ft
56.0 ft	0.4 fc	139.6 ft
64.0 ft	0.3 fc	159.5 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.

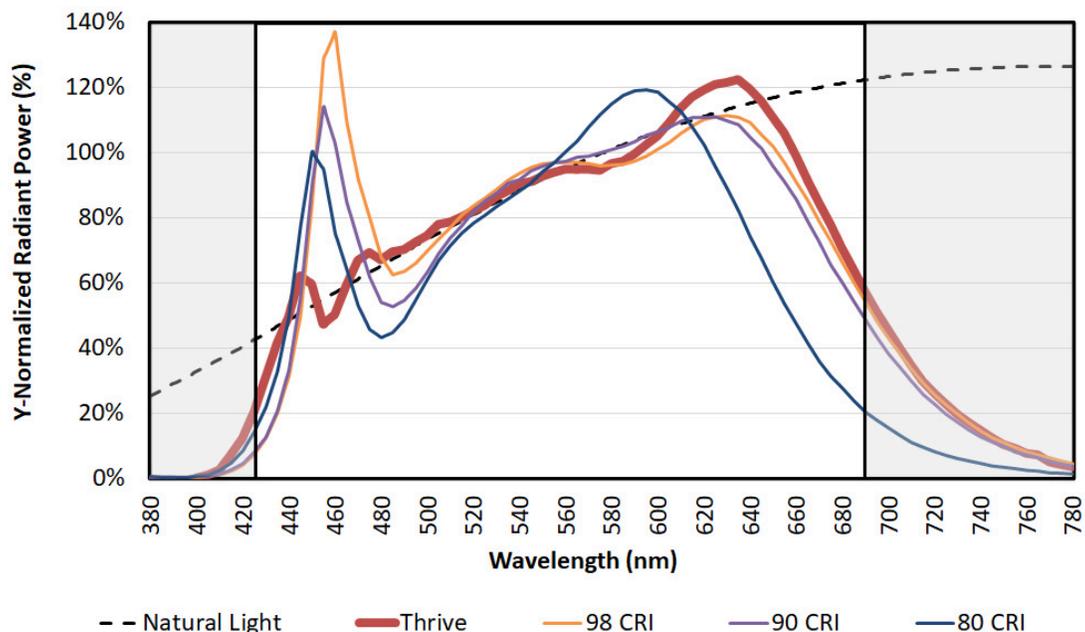
Engineered to provide the closest match to natural light available using proprietary chip, phosphor, and packaging technology, Thrive can be used in constant colour point luminaires to bring full spectrum natural light indoors, or in tunable white luminaires to incorporate circadian elements that may 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](#)

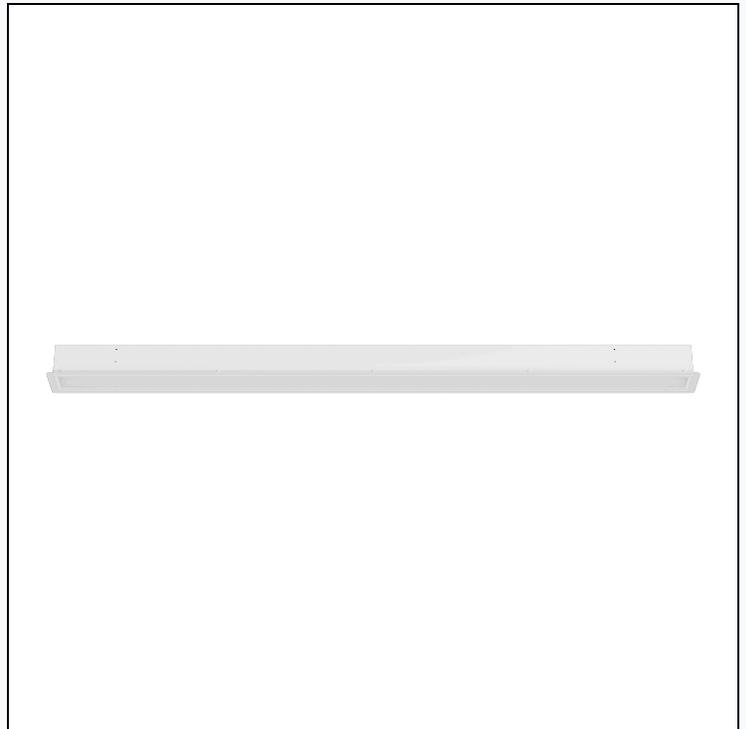
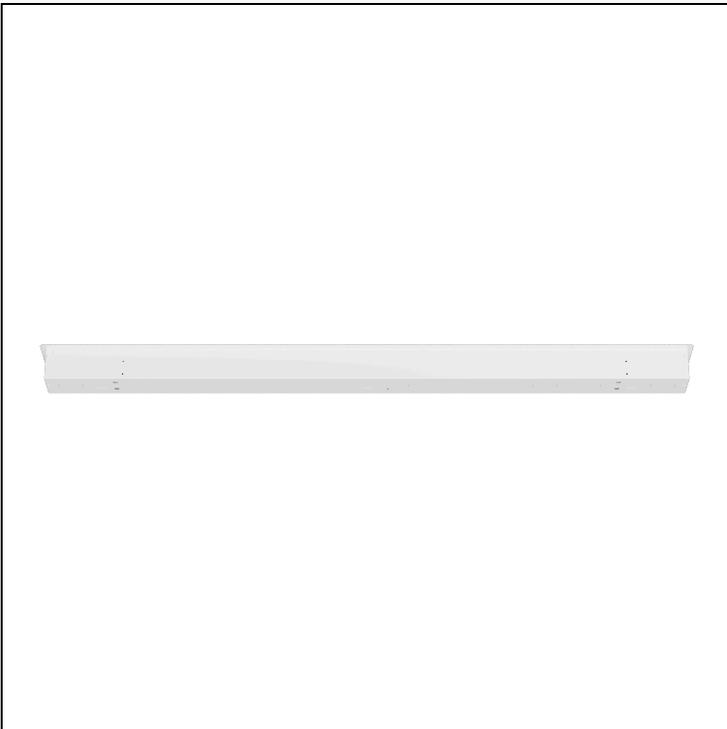
The effect of the THRIVE™ spectral power distributions at a CCT of 4000K (typical for interior lighting in commercial, office, and education settings) is shown in the figure below. The reference light source at this colour temperature is firelight, represented diagrammatically as the blackbody curve (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.



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