

The Bridgewater Series

BLB - Overbed Hospital-Grade

Project

Date

Part

Type



About The Bridgewater Series

The BLB is an architectural overbed fixture designed for use in hospitals and long-term care facilities.

Specifications

Supported Voltage	120-277V, 347V, 120-347V
Available Sizes	2', 3', 4'
Lifetime	L70 of 100,000+ hours
Lumens	Down 1L-4L, Up 1L-4L
CCT	2700K, 3000K, 3500K, 4000K, 5000K, 6500K
CRI	80+ standard, 90+ and 95+ available
Dimming	0-10V Standard
Mounting	Surface-mount

Approvals

- Made with UL Listed components
- Designed and Manufactured in Canada

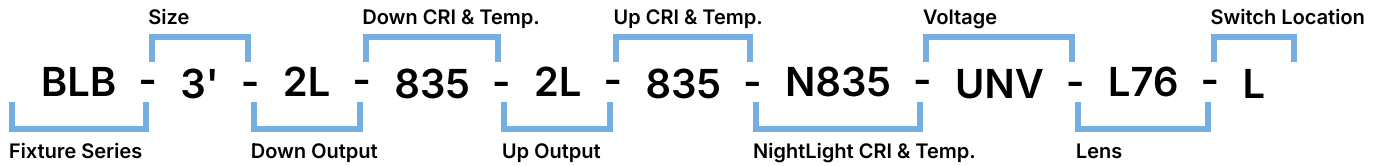
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Ordering Information



1	2	3	4	5	6	7
BLB						

Series	Size	Down Output	Down CRI	Down CCT	Up Output	Up CRI
BLB	2'	2'-1L 1000lm	8 80	27 2700K	2'-1L 1000lm	8 80
	3'	2'-1.25 1250lm	9 90+	30 3000K	2'-1.25 1250lm	9 90+
	4'	2'-1.5L 1500lm	1 95+	35 3500K	2'-1.5L 1500lm	1 95+
		3'-1.5L 1500lm	0 THRIVE	40 4000K	3'-1.5L 1500lm	0 THRIVE
		3'-2.25L 2250lm		50 5000K	3'-2.25L 2250lm	
		3'-3L 3000lm		65 6500K	3'-3L 3000lm	
		4'-2L 2000lm			4'-2L 2000lm	
		4'-3L 3000lm			4'-3L 3000lm	
		4'-4L 4000lm			4'-4L 4000lm	

8	9	10	11	12	13
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Up CCT	NightLight CRI	NightLight CCT	Voltage	Lens	Switch Location
27 2700K	N8 80	27 2700K	UNV 120-277V	L0 No Lens	BLANK None
30 3000K	N9 90+	30 3000K	347 347V	L** See options below	L Left
35 3500K	N1 95+	35 3500K	UN3 120-347V		R Right
40 4000K		40 4000K			
50 5000K		50 5000K			
65 6500K		65 6500K			

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Options

Lenses - Images on Page 5

L0	No Lens
L76	Frosted Bed Lens w/ nickel rear/wood center applique and brushed nickel colored end caps
L78	Frosted Bed Lens w/ white applique and white end caps
L85	Frosted Bed Lens w/ bronze rear/wood center applique and bronze colored end caps
L86	Frosted Bed Lens w/ nickel rear/solid white center applique and white marble colored end caps

Switch Location

BLANK	None
S1	Pull Chain On/Off
S2	Pull Chain 4 Position (down, up, up&down, off)

NightLight Switch

BLANK	None
S1	Pull Chain On/Off
S5	Toggle

Dimming

B10	DALI
B11	0-10V Dimming Leads
B12	Line Voltage Dimming
B27	Dim-to-off Driver
B**	Other Options Available*

Emergency Driver

B17	UL924 10W Battery Back-up
F8	UL924 Emergency Relay

Mounting

BLANK	J-Box Surface Mounting
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Finish

BLANK	Matte White with Silver Ion Technology
C5	Matte Black
CUSTOM*	Custom Colour Choice

Packaging

BLANK	Individually Boxed on Pallets
P0	Bulk Packaging

Warranty

CL7	10-Year Comprehensive Warranty Upgrade
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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.

 [BLB Installation Instructions](#)

Certifications and Listings

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

Icon	Description
	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
Long-Term Care

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.

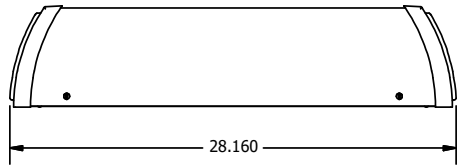
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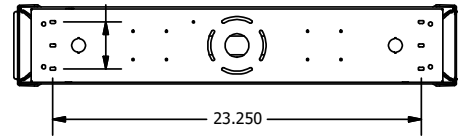
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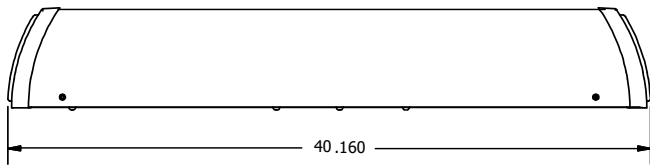
BLB 2' Side Dimensions



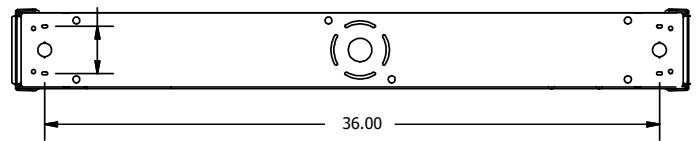
2' End Dimensions



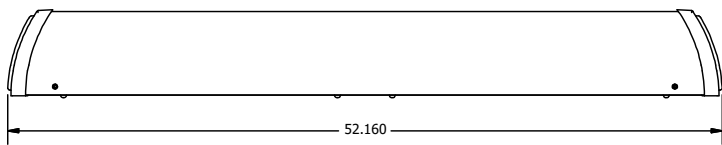
BLB 3' Side Dimensions



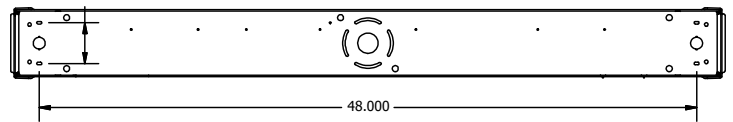
3' End Dimensions



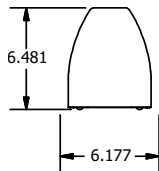
BLB 4' Side Dimensions



4' End Dimensions



All Sizes End Dimensions



BLB Wattage

DownLight Output	DownLight Wattage	UpLight Output	UpLight Wattage
1L	8.9	1L	8.9
1.25L	11.4	1.25L	11.4
1.5L	13.9	1.5L	13.9
2L	19.0	2L	19.0
2.25L	20.9	2.25L	20.9
3L	29.0	3L	29.0
4L	40.9	4L	40.9

* Drawings not to scale

* Standard tolerances apply

* Specifications may change without notice

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.



THRIVE™ Human-Centric Lighting

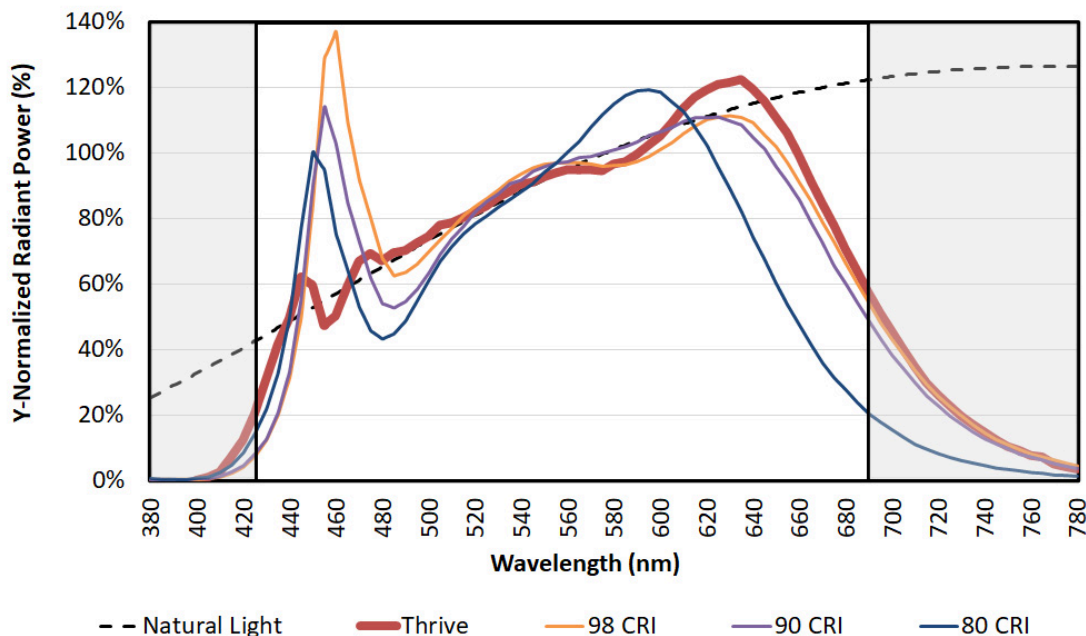
Engineered to provide the closest match to natural light available using proprietary chip, phosphor, and packaging technology, Thrive can be used in constant colour point luminaires to bring full spectrum natural light indoors, or in tunable white luminaires to incorporate circadian elements that may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



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Gallery Information

Below are the end cap/lens applique finish configurations for the BLB.

L76 - Nickel Applique & Brushed Nickel End Caps

Brushed Nickel End Caps

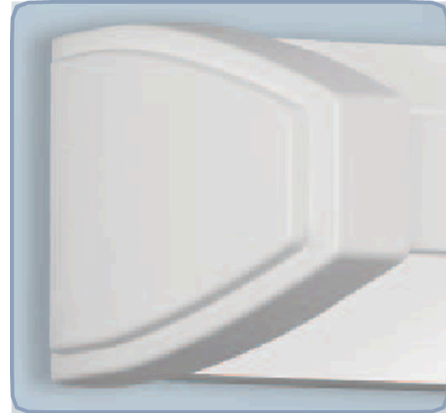


Nickel Applique

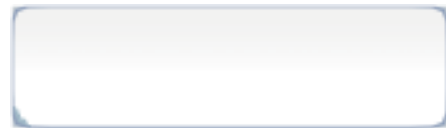


L78 - White Applique & White End Caps

White End Caps



White Applique



L85 - Bronze Applique & Bronze End Caps

Bronze End Caps

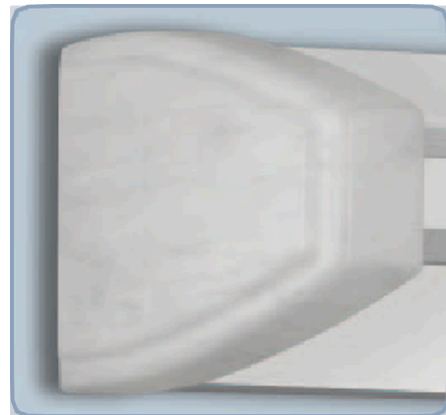


Bronze Applique



L86 - Nickel Applique & White Marble End Caps

White Marble End Caps



Nickel Applique



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Gallery Information

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

