The Cranbrook Series
BLC - Suspended Circular Series

About The Cranbrook Series

The BLC is a suspended LED circular fixture, that has been designed for indoor use, where energy efficiency and performance are essential. Designed and manufactured in Ontario, Canada, this fixture is an elegant solution ideally suited for architectural applications.

Specifications

Supported Voltage	120-277V, 347V, 120-347V, 277-480V, 480V
Available Sizes	18" and 24"
Lifetime	L70 of 100,000+ hours
Lumens	2.5L (2500lm) 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 aircraft cable and optional pendant mounting

Approvals

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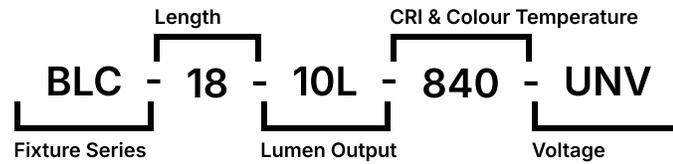- Designed and Manufactured in Canada

Ordering Information

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

Length

CRI & Colour Temperature

BLC - 18 - 10L - 840 - UNV

Fixture Series   Lumen Output   Voltage

1	2	3	4	5	6
BLC					

Series	Size		Lumen Output		CRI		CCT		Voltage	
BLC	18	18"	18-2.5L	(2,500 lm)	8	80	27	2700K	UNV	120-277V
	24	24"	18-5L	(5,000 lm)	9	90+	30	3000K	347	347V
			18-7.5L	(7,500 lm)	1	95+	35	3500K	UN3	120-347V
			18-8.5L	(8,500 lm)	0	THRIVE	40	4000K	277-480	277-480V
			-				50	5000K	480	480V
			24-2.5L	(2,500 lm)			65	6500K		
			24-5L	(5,000 lm)						
			24-7.5L	(7,500 lm)						
			24-8.5L	(8,500 lm)						
			24-10L	(10,000 lm)						

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Options

Lenses
BLANK	Frosted Acrylic

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

Cords
W3xx	White 16/3 (Specify Length)
W4xx	Black 16/3 (Specify Length)
W59xx	White 16/5 (Specify Length)
W**	Other Options Available*

Key.	Cord Length.	Key	Cord Length
6	6FT	15	15FT
10	10FT	20	20FT

Motion Sensors
Ex. **W406** would be 16/3 Black, 6FT

WX15	Internal Dimming Low Voltage Microwave Sensor
W**	Other Options Available*

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

Finish
BLANK	Standard Gloss White
C5	Matte Black
CUSTOM*	Custom Colour Choice

Packaging
BLANK	Individually Boxed on Pallets
P0	Bulk Packaging

Mounting
M24	Single Pendant Mount
M3xx	Y-Toggle Aircraft Cables
M62xx	Aircraft Loop Kits w/ Side Exit Cable Grippers
M**	Other Options Available

Key.	Aircraft Length.	Key	Aircraft Length
5	5FT	15	15FT
10	10FT	20	20FT

Ex. **M305** would be Y-Toggle, 5FT

Warranty
CL7	10-Year Comprehensive Warranty Upgrade

Certifications and Listings

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

Icon	Description
(Bluetooth)	Wireless Controls Available
95CRI+	90 and 95+ CRI Options Available
120-347	120-347V(UN3) Available

Usage Applications

This fixture can be used in a variety of applications, and is ideal for the following:

Usage Application
High Ceiling Entrances
Show Rooms
Retail Stores

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.
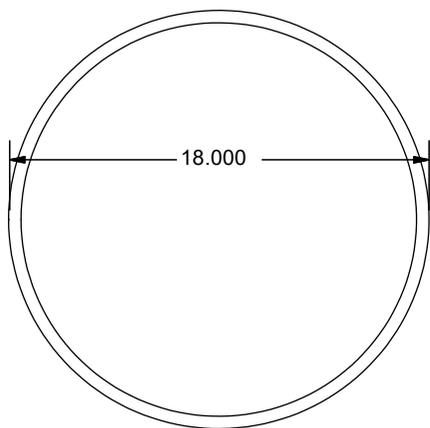
Dimension Information

Below you will find the dimensions for the BLC.

BLC 18" Above Dimensions

18.000

Side Dimensions

4.030

BLC 22" Above Dimensions

22.000

End Dimensions

4.030
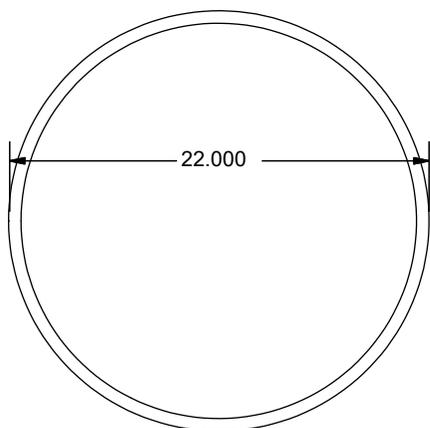
* Drawings not to scale
* Standard tolerances apply
* Specifications may change without notice

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.

bridgelux
### Bridging Light and Life™
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.
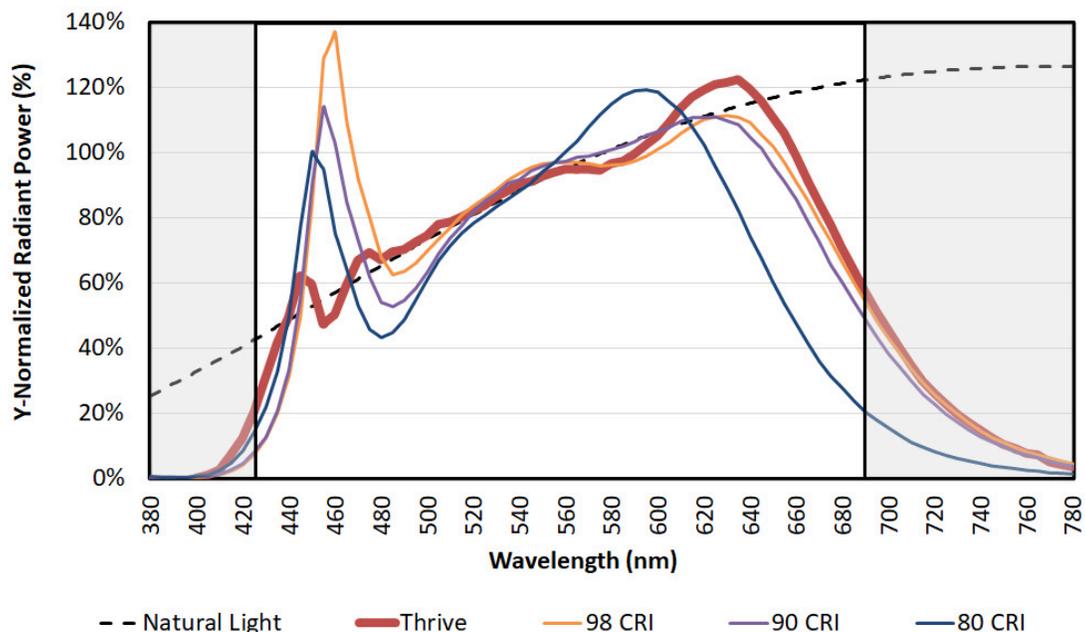
Gallery Information

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