

The Thorsby Series

BLCT - Linear High Bay

Project

Date

Part

Type



About The Thorsby Series

The BLCT is an LED linear high bay luminaire designed for suspended mounting, and is well suited for indoor use where high efficiency lighting is required.

Specifications

| | |
|-------------------|---|
| Supported Voltage | 120-277V, 347V, 120-347V |
| Available Sizes | 4', 8' |
| Lifetime | L70 of 99,000+ hours, L90 of 30,000+ hours |
| Lumens | 1' 1.125L (1125lm) to 8' 23L (23000lm) |
| CCT | 2700K, 3000K, 3500K, 4000K, 5000K, 6500K |
| CRI | 80+ standard, 90+ and 95+ available |
| Dimming | 0-10V Standard |
| Mounting | Holes provided for V-hangers, S-hook chain-mounting, or aircraft cables. Optional pendant mount brackets available. |

Approvals

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

The Thorsby Series

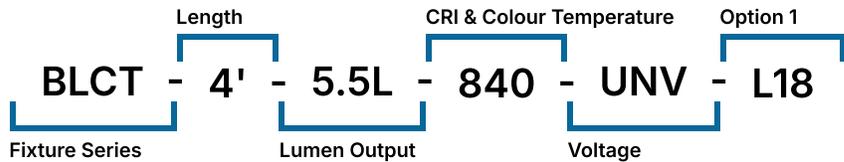
BLCT - Linear High Bay

Linear High Bay Lighting
by



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 |
| BLCT | | | | |

| Series | Length & Lumen Output | | CRI | | CCT | | Voltage | | | |
|--------|-----------------------|---------|------------|----------|-----|-----|---------|-------|-----|------|
| BLCT | 1' - 1.125L | 1126 lm | 4' - 9.5L | 9500 lm | 8 | 80 | 27 | 2700K | UNV | 120- |
| | 1' - 1.375L | 1377 lm | 4' - 10.5L | 10500 lm | 9 | 90+ | 30 | 3000K | | 277V |
| | 1' - 1.75L | 1755 lm | 4' - 11.5L | 11500 lm | 1 | 95+ | 35 | 3500K | 347 | 347V |
| | 2' - 2.5L | 2353 lm | 8' - 5L | 5000 lm | | | 40 | 4000K | UN3 | 120- |
| | 2' - 3.5L | 3294 lm | 8' - 7L | 7000 lm | | | 50 | 5000K | | 347V |
| | 2' - 4.5L | 4271 lm | 8' - 9L | 9000 lm | | | 65 | 6500K | | |
| | 4' - 2.5L | 2500 lm | 8' - 11L | 11000 lm | | | | | | |
| | 4' - 3.5L | 3500 lm | 8' - 13L | 13000 lm | | | | | | |
| | 4' - 4.5L | 4500 lm | 8' - 15L | 15000 lm | | | | | | |
| | 4' - 5.5L | 5500 lm | 8' - 17L | 17000 lm | | | | | | |
| | 4' - 6.5L | 6500 lm | 8' - 19L | 19000 lm | | | | | | |
| | 4' - 7.5L | 7250 lm | 8' - 21L | 21000 lm | | | | | | |
| | 4' - 8.5L | 8500 lm | 8' - 23L | 23000 lm | | | | | | |

Options

Lenses

BLANK | Frosted Acrylic Lens

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 |

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

Motion Sensors

- W26 | Photocell Motion Sensor
- W57 | Dimming Motion Sensor (dims to 50% when unoccupied)
- W53* | On/Off
- W8* | High/Low
- WX16 | Microwave Dimmable Sensor
- W** | Other Options Available

Finish

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

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

Emergency Driver

- B17 | UL924 6W Battery Back-up
- B24 | UL924 10W Battery Back-up
- B38 | UL924 15W Battery Backup
- F8 | UL924 Emergency Relay

Packaging

- BLANK | Individually Boxed on Pallets
- P0 | Bulk Packaging
- P** | Other Options Available

Mounting

- M1 | V-Hangers
- M2xx | V-Hanger with Aircraft Loop Cables
- M3xx | Y-Toggle Aircraft Cables
- M24 | Single Pendant Mount(3/4 Hub)
- 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

Modular Wiring

- W27XYZC | Modular Power Cable

Warranty

- CL7 | 10-Year Comprehensive Warranty Upgrade

The Thorsby Series

BLCT - Linear High Bay

Linear High Bay Lighting
by



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.

 [BLCT 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 |
|--------------------------|
| Manufacturing Facilities |
| Storage |
| Offices |
| Schools |
| Retail Stores |
| Distribution Facilities |
| Processing Plants |
| Aisle Lighting |

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 available wattage tables for the BLCT. More information is available upon request.

BLCT 4' Wattage

| Size | Lumen Output | Actual Lumen Output | Fixture Wattage |
|------|--------------|---------------------|-----------------|
| 4' | 2.5 | 2500lm | 17.9 |
| 4' | 3.5 | 3500lm | 5.6 |
| 4' | 4.5 | 4500lm | 33.3 |
| 4' | 5.5 | 5500lm | 40.9 |
| 4' | 6.5 | 6500lm | 48.6 |
| 4' | 7.5 | 7500lm | 56.3 |
| 4' | 8.5 | 8500lm | 63.9 |
| 4' | 9.5 | 9500lm | 71.6 |
| 4' | 10.5 | 10500lm | 79.3 |
| 4' | 11.5 | 11500lm | 86.9 |

BLCT 8' Wattage

| Size | Lumen Output | Actual Lumen Output | Fixture Wattage |
|------|--------------|---------------------|-----------------|
| 8' | 5 | 5000lm | 35.7 |
| 8' | 7 | 7000lm | 51.0 |
| 8' | 9 | 9000lm | 66.3 |
| 8' | 11 | 11000lm | 81.5 |
| 8' | 13 | 13000lm | 96.8 |
| 8' | 15 | 15000lm | 112.1 |
| 8' | 17 | 17000lm | 127.4 |
| 8' | 19 | 19000lm | 142.6 |
| 8' | 21 | 21000lm | 157.9 |
| 8' | 23 | 23000lm | 173.3 |

BLCT Light Loss Factor (LLF)

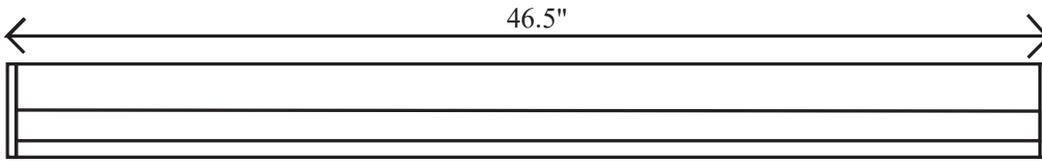
| CCT | Output% |
|-------|---------|
| 2700K | 92.95 |
| 3000K | 95.51 |
| 3500K | 96.80 |
| 4000K | 100.00 |
| 5000K | 101.28 |
| 90CRI | 84.72 |

* Actual lumen output may vary

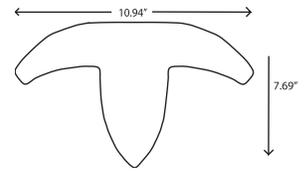
Dimension Information

Below you will find the dimensions for both sizes of the BLCT.

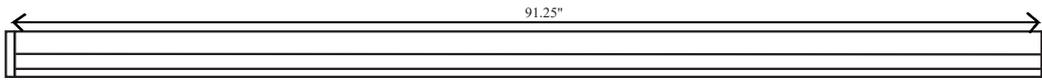
BLCT 4' Side



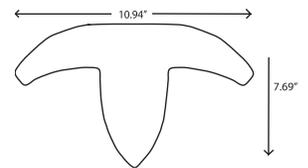
End Dimensions



BLCT 8' Side



End Dimensions



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

Gallery Information

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

