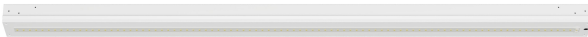


# The Tisdale Series

BLSPCT - Linear Cove

|             |             |
|-------------|-------------|
| Project     | Date        |
| <div></div> | <div></div> |
| Part        | Type        |
| <div></div> | <div></div> |



## About The Tisdale Series

The BLSPCT is an extended series of LED linear cove strip fixtures designed for surface and suspended mounting. It is well suited for indoor use where high efficiency, row-mountable task lighting is required. Its narrow strip design and modern profile make it an ideal fixture for task lighting applications.

## Specifications

|                       |                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supported Voltage     | 120-277V, 347V, 120-347V                                                                                                                                    |
| Available Sizes       | 1', 2', 3', 4', 6', 8'                                                                                                                                      |
| Lifetime              | L70 of 99,000+ hours, L90 of 30,000+ hours                                                                                                                  |
| Lumens                | 1' 1.125L (1126lm) to 8' 23L (23191lm)                                                                                                                      |
| Operating Temperature | -20°C/+25°C (-40°/+40°C upgrade)                                                                                                                            |
| 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 and row-mount brackets. Knockouts provided for row mounting |

## Approvals

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

## Warranty

- 5 Year Comprehensive, 10 Year LED

# The Tisdale Series

BLSPCT - Linear Cove

Linear Strip Lighting by

**BJTAKE**  
LIGHTING

## Ordering Information

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

Length  
**BLSPCT - 4' - 5.5L - 840 - UNV**  
Fixture Series      Lumen Output      Voltage

|        |                       |         |            |          |     |        |     |       |         |      |
|--------|-----------------------|---------|------------|----------|-----|--------|-----|-------|---------|------|
| 1      | 2                     |         | 3          |          | 4   |        | 5   |       |         |      |
| BLSPCT |                       |         |            |          |     |        |     |       |         |      |
| Series | Length & Lumen Output |         |            |          | CRI |        | CCT |       | Voltage |      |
| BLSPCT | 1' - 1.125L           | 1125 lm | 4' - 10.5L | 10500 lm | 8   | 80     | 27  | 2700K | UNV     | 120- |
|        | 1' - 1.375L           | 1375 lm | 4' - 11.5L | 11500 lm | 9   | 90+    | 30  | 3000K |         | 277V |
|        | 2' - 1.75L            | 1750 lm | 8' - 5L    | 5000 lm  | 1   | 95+    | 35  | 3500K | 347     | 347V |
|        | 2' - 2.25L            | 2250 lm | 8' - 7L    | 7000 lm  | 0   | THRIVE | 40  | 4000K | UN3     | 120- |
|        | 2' - 2.75L            | 2750 lm | 8' - 9L    | 9000 lm  |     |        | 50  | 5000K |         | 347V |
|        | 4' - 2.5L             | 2500 lm | 8' - 11L   | 11000 lm |     |        | 65  | 6500K |         |      |
|        | 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             | 7500 lm | 8' - 21L   | 21000 lm |     |        |     |       |         |      |
|        | 4' - 8.5L             | 8500 lm | 8' - 23L   | 23000 lm |     |        |     |       |         |      |
|        | 4' - 9.5L             | 9500 lm |            |          |     |        |     |       |         |      |
| 6      |                       |         |            |          |     |        |     |       |         |      |

## Options

### 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                             |

### Wire Guard

|    |                  |
|----|------------------|
| G1 | Heavy Duty White |
| G5 | Heavy Duty Black |

### 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    |

### 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 16W 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       |
| W22XY   | Molex Row Mounting Wiring |

### Warranty

|     |                                        |
|-----|----------------------------------------|
| CL7 | 10-Year Comprehensive Warranty Upgrade |
|-----|----------------------------------------|

# The Tisdale Series

BLSPCT - Linear Cove

Linear Strip 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](mailto:sales@bjtake.com) for more information.

 [BLSPCT - Installation Instructions](#)

 [BLSPCT - Photometry.zip](#)

## 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          |
|  | ETL Listed                       |

## Usage Applications

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

| Usage Application |
|-------------------|
| Aisle Lighting    |
| Displays          |
| Grocery Stores    |
| Hospitals         |
| Offices           |
| Retail Stores     |
| Schools           |
| Task Lighting     |
| Suspended         |
| Surface Mount     |
| Cove 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.

# The Tisdale Series

BLSPCT - Linear Cove

Linear Strip Lighting by



## Wattage Information

Below are the available wattage tables for the BLSPCT. More information is available upon request.

### BLSPCT - 1', 2' Wattage

| Size | Lumen Output | Actual Lumen Output | Fixture Wattage | Lumens per Watt |
|------|--------------|---------------------|-----------------|-----------------|
| 1'   | 1.125        | 1125                | 8.0             | 140.625         |
| 1'   | 1.375        | 1375                | 9.8             | 140.310         |
| 2'   | 1.750        | 1750                | 12.5            | 140.000         |
| 2'   | 2.250        | 2250                | 16.1            | 139.750         |
| 2'   | 2.750        | 2750                | 19.6            | 140.300         |

### BLSPCT - 4' Wattage

| Size | Lumen Output | Actual Lumen Output | Fixture Wattage | Lumens per Watt |
|------|--------------|---------------------|-----------------|-----------------|
| 4'   | 2.5          | 2565                | 17.2            | 149.1           |
| 4'   | 3.5          | 3631                | 24.7            | 147.0           |
| 4'   | 4.5          | 4670                | 32.2            | 145.0           |
| 4'   | 5.5          | 5683                | 39.6            | 143.5           |
| 4'   | 6.5          | 6669                | 47.1            | 141.6           |
| 4'   | 7.5          | 7628                | 54.5            | 140.0           |
| 4'   | 8.5          | 8561                | 62.0            | 138.1           |
| 4'   | 9.5          | 9467                | 69.5            | 136.2           |
| 4'   | 10.5         | 10347               | 76.9            | 134.6           |
| 4'   | 11.5         | 11203               | 84.4            | 132.7           |

### BLSPCT - 8' Wattage

| Size | Lumen Output | Actual Lumen Output | Fixture Wattage | Lumens per Watt |
|------|--------------|---------------------|-----------------|-----------------|
| 8'   | 5.0          | 5252                | 35.3            | 148.8           |
| 8'   | 7.0          | 7361                | 50.1            | 146.9           |
| 8'   | 9.0          | 9420                | 64.9            | 145.1           |
| 8'   | 11.0         | 11424               | 79.6            | 143.5           |
| 8'   | 13.0         | 13375               | 94.4            | 141.7           |
| 8'   | 15.0         | 15273               | 109.2           | 139.9           |
| 8'   | 17.0         | 17119               | 124.0           | 138.1           |
| 8'   | 19.0         | 18908               | 138.7           | 136.3           |
| 8'   | 21.0         | 20642               | 153.5           | 134.5           |
| 8'   | 23.0         | 22332               | 168.2           | 132.8           |

### BLSPCT - 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

# The Tisdale Series

BLSPCT - Linear Cove

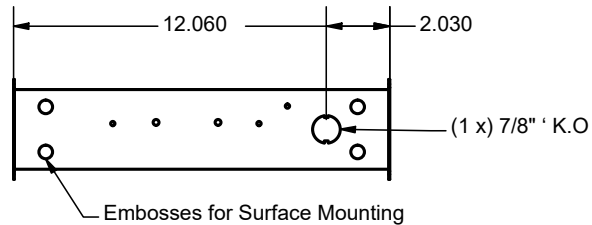
Linear Strip Lighting by



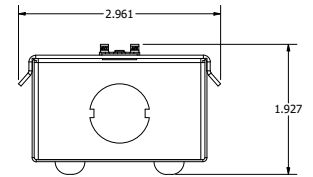
## Dimension Information

Below you will find the dimensions for all sizes of the BLSPCT.

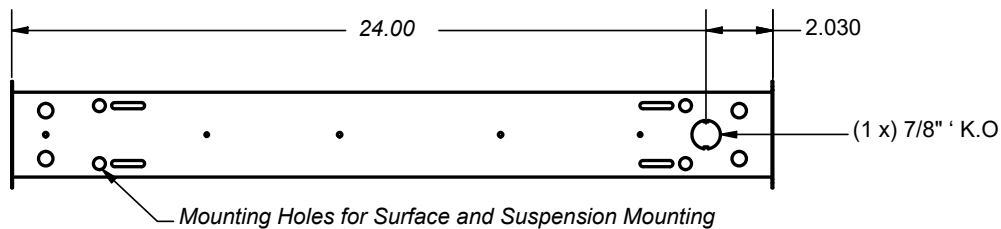
### BLSPCT - 1' Side



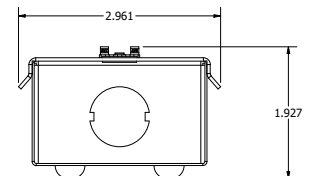
### End Dimensions



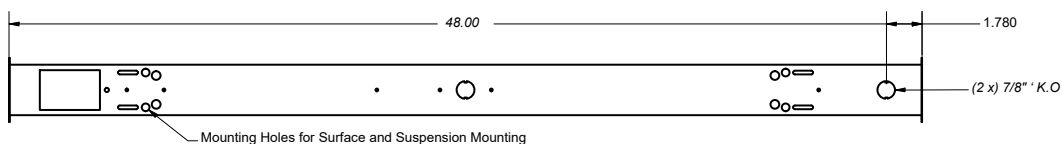
### BLSPCT - 2' Side



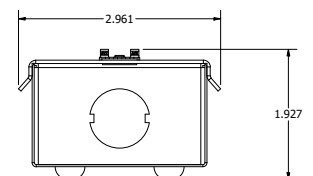
### End Dimensions



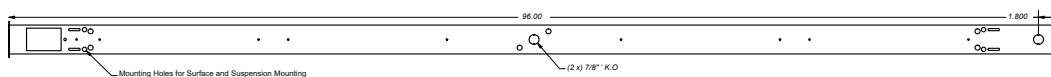
### BLSPCT - 4' Side



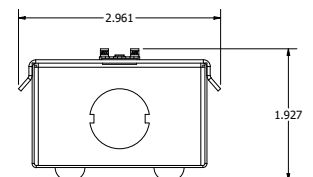
### End Dimensions



### BLSPCT - 8' Side



### End Dimensions



\* Drawings not to scale

\* Standard tolerances apply

\* Specifications may change without notice

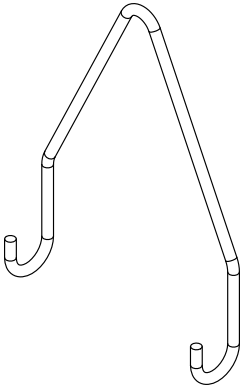
# The Tisdale Series

BLSPCT - Linear Cove

Linear Strip Lighting by

**BJTAKE**  
LIGHTING

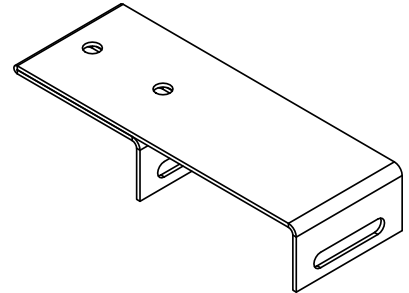
M1 - V-Hanger



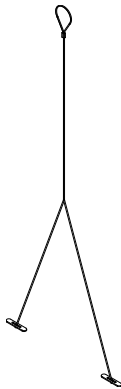
M2xx - V-Hanger + Aircraft Loop



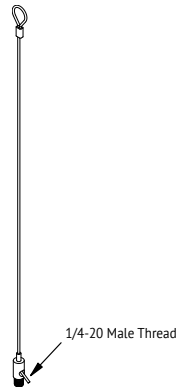
M64 - F-Style Bracket



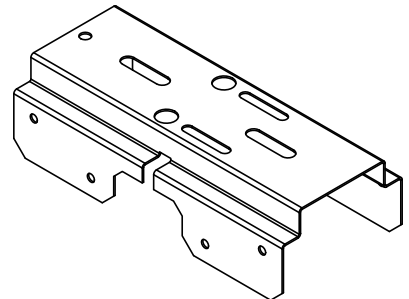
M3xx - Y-Toggle Aircraft Cables



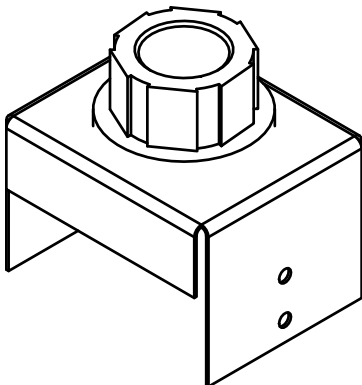
M62xx - Loop Kit + Side Grippers



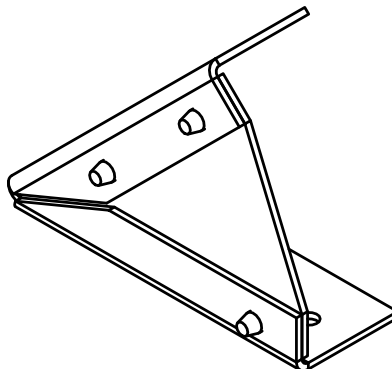
(Row) - Row Mount



M24 - 4 Foot Pendant Mount



M34 - 45° Bracket



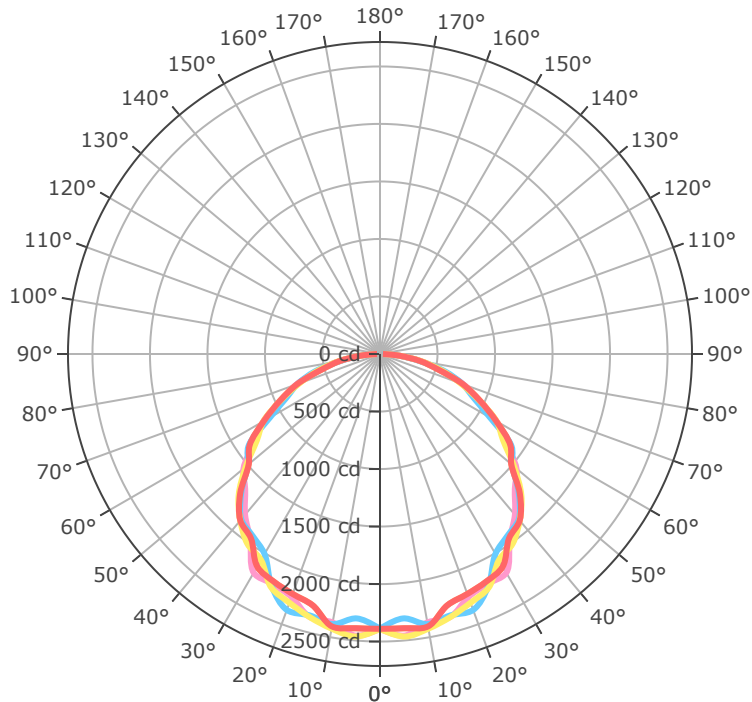
# The Tisdale Series

BLSPCT - Linear Cove

Linear Strip Lighting by



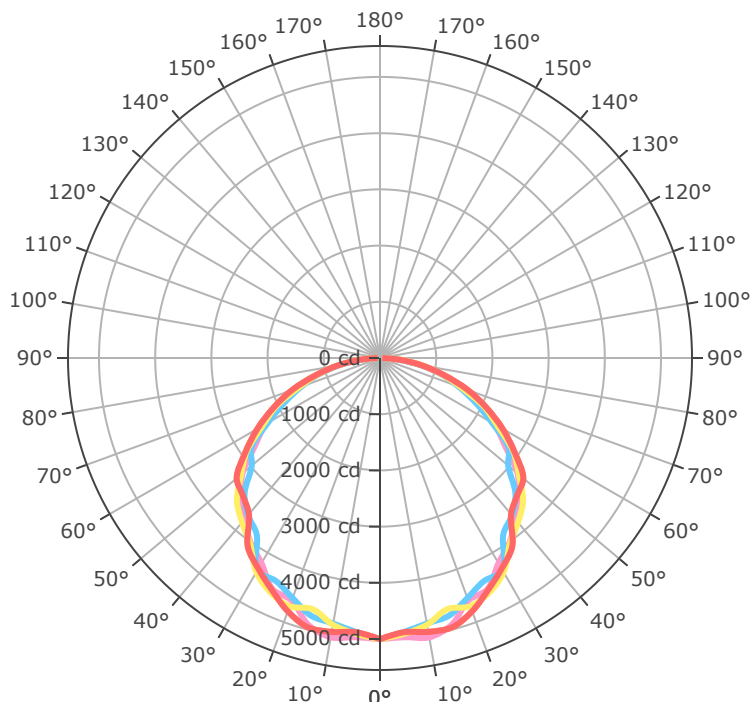
## BLSPCT-4FT-6.5L-840



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

| Mtg Height | Light Level | Beam Diameter |
|------------|-------------|---------------|
| 6.0 ft     | 66.4 fc     | 20.3 ft       |
| 8.0 ft     | 37.3 fc     | 27.0 ft       |
| 10.0 ft    | 23.9 fc     | 33.8 ft       |
| 12.0 ft    | 16.6 fc     | 40.5 ft       |
| 14.0 ft    | 12.2 fc     | 47.3 ft       |
| 16.0 ft    | 9.3 fc      | 54.0 ft       |
| 24.0 ft    | 4.1 fc      | 81.0 ft       |
| 32.0 ft    | 2.3 fc      | 108.0 ft      |
| 40.0 ft    | 1.5 fc      | 135.0 ft      |
| 48.0 ft    | 1.0 fc      | 162.0 ft      |
| 56.0 ft    | 0.8 fc      | 189.0 ft      |
| 64.0 ft    | 0.6 fc      | 216.0 ft      |

## BLSPCT-8FT-13L-840



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

| Mtg Height | Light Level | Beam Diameter |
|------------|-------------|---------------|
| 6.0 ft     | 139.0 fc    | 20.9 ft       |
| 8.0 ft     | 78.2 fc     | 27.9 ft       |
| 10.0 ft    | 50.0 fc     | 34.9 ft       |
| 12.0 ft    | 34.8 fc     | 41.9 ft       |
| 14.0 ft    | 25.5 fc     | 48.9 ft       |
| 16.0 ft    | 19.5 fc     | 55.9 ft       |
| 24.0 ft    | 8.7 fc      | 83.8 ft       |
| 32.0 ft    | 4.9 fc      | 111.7 ft      |
| 40.0 ft    | 3.1 fc      | 139.7 ft      |
| 48.0 ft    | 2.2 fc      | 167.6 ft      |
| 56.0 ft    | 1.6 fc      | 195.5 ft      |
| 64.0 ft    | 1.2 fc      | 223.4 ft      |

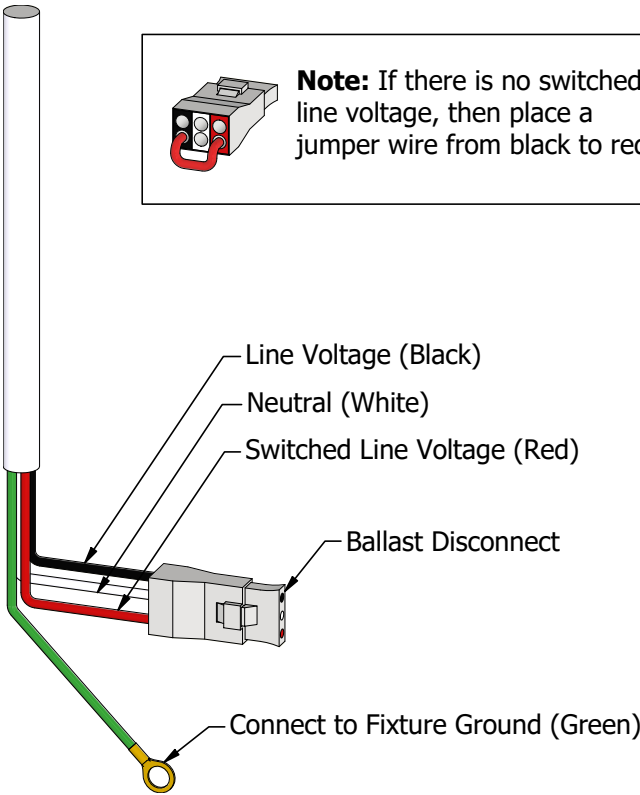
Emergency Battery Plan - 10W

| Emergency Lighting                                                                       | Solution System Components                                            | System Operation                                                                                                                                                                                         |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Option Code 'B17' - UL 924 listed components that are factory installed in the luminaire | UL 924 listed 10-watt battery integral to the luminaire               | Loss of normal power is detected by the B17 emergency light solution and the power supply is switched automatically to the 10-watt integral battery pack which powers the emergency LED lighting driver. |
|                                                                                          | UL 924 listed LED emergency lighting driver integral to the luminaire | The battery pack and emergency LED driver are UL 924 certified to provide a minimum of 90-minutes of emergency lighting.                                                                                 |
|                                                                                          | Wiring options for both switched and unswitched emergency lighting    |                                                                                                                                                                                                          |

Emergency Lighting Wiring



**Note:** If there is no switched line voltage, then place a jumper wire from black to red.



Important Information

More information on emergency lighting options and configurations available on request.



**THRIVE™**

**Human-Centric Lighting**

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. |

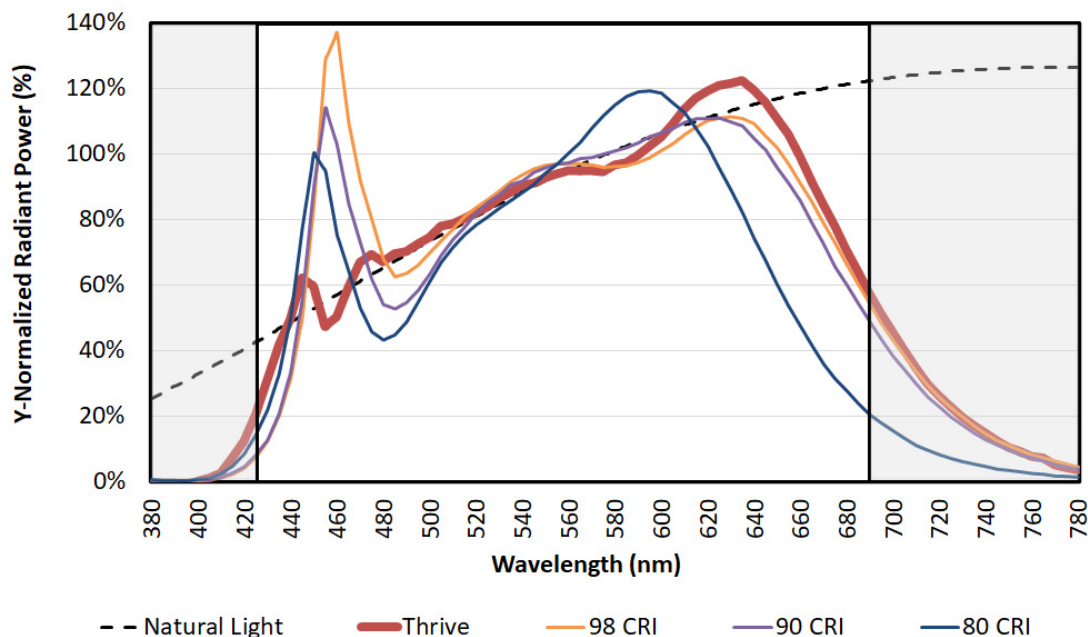
Engineered to provide the closest match to natural light available using proprietary chip, phosphor, and packaging technology, Thrive can be used in constant colour point luminaires to bring full spectrum natural light indoors, or in tunable white luminaires to incorporate circadian elements that may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



# The Tisdale Series

BLSPCT - Linear Cove

Linear Strip Lighting by

**BJTAKE**  
LIGHTING

## Gallery Information

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

