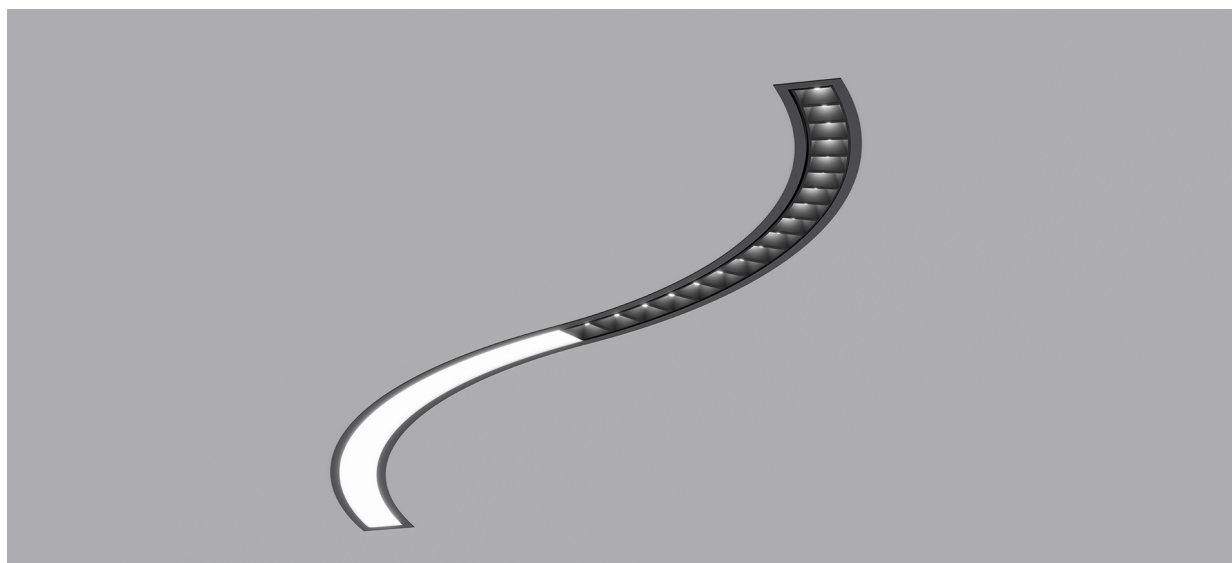


|          |           |
|----------|-----------|
| Project: | Type:     |
|          | Comments: |



## Highlights

The TechoLED BX-CURV FUSION series features specification-grade curved linear LED fixtures constructed from high-grade aluminum extrusions. Designed with the flexibility to incorporate both continuous diffused lenses and precision louvered optics, BX-CURV FUSION allows multiple lighting effects to be integrated within a single architectural form. With virtually limitless options for creating flowing patterns and custom configurations, the series provides a versatile, visually distinctive, and modern lighting solution.

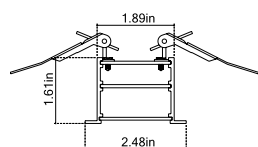
**LED:** Bridgelux LED chips, 2700-5000K, tunable white and RGB/RGBW available, 90CRI, 100,000 hour rated lifespan. Custom lumen packages available.

**Optical:** Direct illumination, 110° beam angle, UGR<19 on lensed section, 50° beam angle and UGR<16 on louvered sections

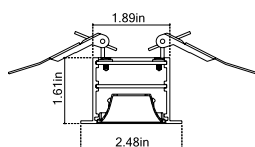
**Construction:** Damp location listed, high grade aluminum extrusion, die cast end caps, PMMA diffuser, powder coat finish. Patterns and wall to ceiling transitions.

[5-year limited warranty](#)

## Cross Section



LED Light Section



Louver Section

## Installation



Recessed  
(R)

|          |           |
|----------|-----------|
| Project: | Type:     |
|          | Comments: |

## Configuration Example

| Model #                          | Length | Output | Color Temp. | Voltage  | Color |
|----------------------------------|--------|--------|-------------|----------|-------|
| TECHOLED-BX-CURV-F-R-C-ME-30-U-W | Custom | Medium | 3000K       | 110-277V | White |

## Ordering Guide:

Select one option from each group below. For a custom preference please contact [sales@techoled.com](mailto:sales@techoled.com)

| 1-FIXTURE ID       |                | 2-DISTRIBUTION |                           | 3-LENGTH           |                     | 4-LUMEN OUTPUT |          |
|--------------------|----------------|----------------|---------------------------|--------------------|---------------------|----------------|----------|
| <b>BX-CURV-F-R</b> |                | <b>D</b>       | Direct                    | <b>C</b>           | Custom              | <b>LO</b>      | Low      |
|                    |                |                |                           |                    |                     | <b>ME</b>      | Medium   |
|                    |                |                |                           |                    |                     | <b>HI</b>      | High     |
| 5-COLOR TEMP.      |                | 6-VOLTAGE      |                           | 7-FINISH           |                     | 8-MOUNTING     |          |
| <b>27</b>          | 2700K          | <b>U</b>       | 110-277V                  | <b>S</b>           | Silver              | <b>R</b>       | Recessed |
| <b>30</b>          | 3000K          | <b>HV</b>      | 347V                      | <b>W</b>           | White               |                |          |
| <b>35</b>          | 3500K          |                |                           | <b>B</b>           | Black               |                |          |
| <b>40</b>          | 4000K          |                |                           | <b>C</b>           | Custom (RAL#)       |                |          |
| <b>50</b>          | 5000K          |                |                           |                    |                     |                |          |
| <b>RGB</b>         | RGB            |                |                           |                    |                     |                |          |
| <b>RGBW</b>        | RGBW           |                |                           |                    |                     |                |          |
| <b>D</b>           | Tunable White  |                |                           |                    |                     |                |          |
| 9-DRIVER OPTIONS   |                | 10-OPTIONS     |                           | 11-OPTIONS (CONT.) |                     |                |          |
| <b>DM</b>          | 0-10V Dimming  | <b>RF-D</b>    | Remote Tunable (RF only)  | <b>EM</b>          | EM Battery (remote) |                |          |
| <b>2C</b>          | 2 Channel      | <b>RF-R</b>    | Remote RGB/W (RF only)    | <b>X</b>           | None                |                |          |
| <b>DM1%</b>        | 1% Dimming     | <b>M</b>       | Motion Sensor (remote)    |                    |                     |                |          |
| <b>LT1</b>         | LDE1 Lutron 1% | <b>BM</b>      | BubblyNet BT Mesh         |                    |                     |                |          |
| <b>DA</b>          | Dali           | <b>CS</b>      | Casambi                   |                    |                     |                |          |
| <b>DMX</b>         | DMX            | <b>AWNRR</b>   | Lutron Athena Node        |                    |                     |                |          |
| <b>TR</b>          | Triac Dimming  | <b>AWNS</b>    | Lutron Athena Node sensor |                    |                     |                |          |
| <b>RF</b>          | RF Wireless    | <b>NL-ES7</b>  | nLight - Wired            |                    |                     |                |          |
| <b>X</b>           | None           | <b>NL-AIR</b>  | nLight - AIR              |                    |                     |                |          |
|                    |                | <b>NL-M</b>    | nLight - Module only      |                    |                     |                |          |
|                    |                | <b>X</b>       | None                      |                    |                     |                |          |

|          |           |
|----------|-----------|
| Project: | Type:     |
|          | Comments: |

## Lumen Output Details

### Louver Section

| Model #                      | Length | Output | Color Temp. | W / Cluster | Lumens / Cluster | Cluster |
|------------------------------|--------|--------|-------------|-------------|------------------|---------|
| TECHOLED-BX-CURV-F-R-C-LO-30 | Custom | Low    | 3000K       | 5.4         | 562              | 6 spots |
| TECHOLED-BX-CURV-F-R-C-ME-30 | Custom | Medium | 3000K       | 7.2         | 738              | 6 spots |
| TECHOLED-BX-CURV-F-R-C-HI-30 | Custom | High   | 3000K       | 9           | 915              | 6 spots |

Performance above applies to 90 CRI, 3000K. Calculate 96% for 2700K, 104% for 3500K and 109% for 4000K

### Diffuser Section (Direct)

| Model #                      | Length | Output | Color Temp. | W / Ft | Lumens / Ft |
|------------------------------|--------|--------|-------------|--------|-------------|
| TECHOLED-BX-CURV-F-R-C-LO-30 | Custom | Low    | 3000K       | 3      | 238         |
| TECHOLED-BX-CURV-F-R-C-ME-30 | Custom | Medium | 3000K       | 6.25   | 460         |
| TECHOLED-BX-CURV-F-R-C-HI-30 | Custom | High   | 3000K       | 9      | 647         |

Performance above applies to 90 CRI, 3000K. Calculate 96% for 2700K, 104% for 3500K and 109% for 4000K

|          |           |
|----------|-----------|
| Project: | Type:     |
|          | Comments: |

## Driver Option Details

| Code | Description                                                               |
|------|---------------------------------------------------------------------------|
| LT1  | <b>LDE1</b> - Lutron Hi-lume 1% EcoSystem, Soft-on, Fade-to Black Dimming |
| DA   | <b>DALI</b>                                                               |
| DMX  | <b>DMX</b> - Decoder provided by TechoLED, controller by others           |

## Controls Details

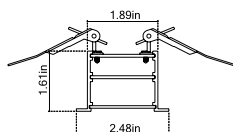
| Code   | Description                                                                               |
|--------|-------------------------------------------------------------------------------------------|
| RF-D   | <b>RF Wireless</b> remote controller for tunable white. <b>Default for tunable white.</b> |
| RF-R   | <b>RF Wireless</b> remote controller for RGB & RGBW. <b>Default for RGB &amp; RGBW.</b>   |
| M      | <b>Motion Sensor</b> - remote, for integral sensor consult factory                        |
| BM     | <b>Bluetooth Mesh</b> Smart Wireless Control by BubblyNet                                 |
| CS     | <b>Bluetooth Mesh</b> Smart Wireless Control by Casambi                                   |
| AWNR   | <b>Lutron Athena</b> wireless node                                                        |
| AWNS   | <b>Lutron Athena</b> wireless node with sensor                                            |
| NL-ES7 | <b>Acuity nLight</b> - Wired nES7 sensor                                                  |
| NL-AIR | <b>Acuity nLight</b> - AIR wireless rES7 sensor                                           |
| NL-M   | <b>Acuity nLight</b> - ready, sensor by others                                            |

## Options (cont.) Details

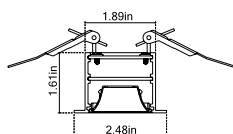
| Code | Description                       |
|------|-----------------------------------|
| EM   | Emergency Battery Backup (remote) |

|          |           |
|----------|-----------|
| Project: | Type:     |
|          | Comments: |

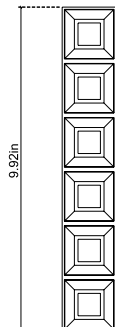
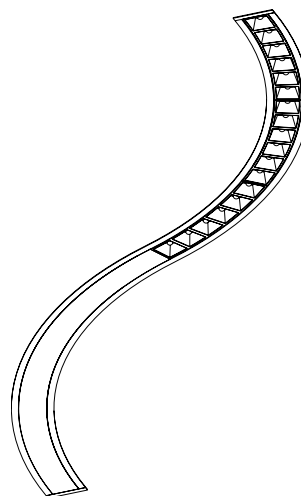
## Dimension and Mounting



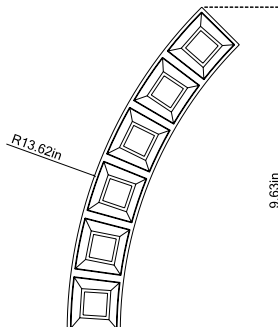
LED Light Cross Section



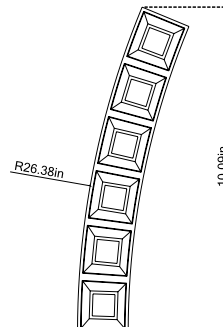
Louver Cross Section



Straight



45°

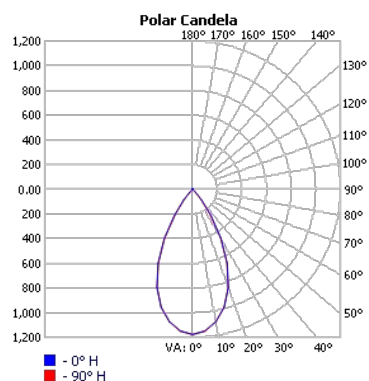


22.5°

|          |           |
|----------|-----------|
| Project: | Type:     |
|          | Comments: |

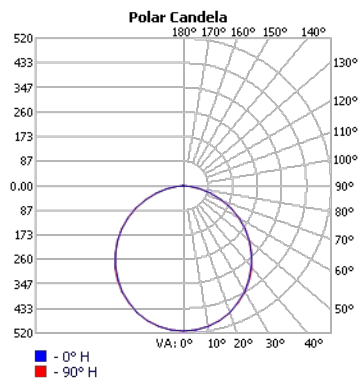
## Photometrics

### Louver Section



TECHOLED-BX-CURV-F-R-D

### Diffuser Section

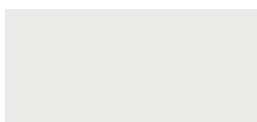


TECHOLED-BX-CURV-F-R-D

|          |           |
|----------|-----------|
| Project: | Type:     |
|          | Comments: |

**Finish Details (powder coat finish)**

**Standard Colors**



W – White



S – Silver



B – Black

**Custom Colors**



RAL 1003



RAL 2004



RAL 3000



RAL 4001



RAL 5002



RAL 6000



RAL 6038



RAL 7001



RAL 1036



RAL 8029

Any RAL color available, please refer to [ralcolorchart.com](http://ralcolorchart.com)

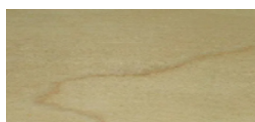
**Custom Wooden Colors**



American Walnut



Cherry



Maple



Light Oak

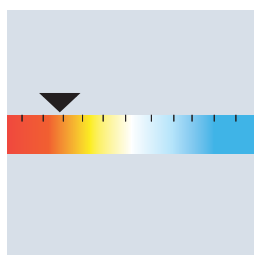


Palisander Santos

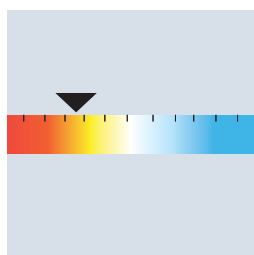
|          |           |
|----------|-----------|
| Project: | Type:     |
|          | Comments: |

### Color Temperature

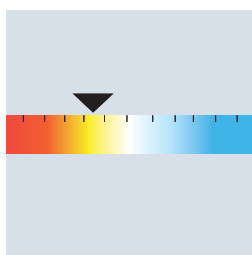
#### Color Temperature



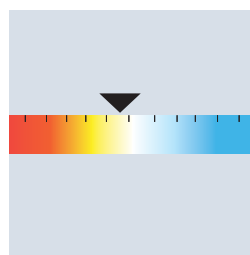
2700K



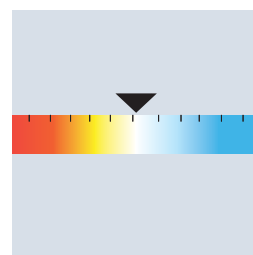
3000K



3500K

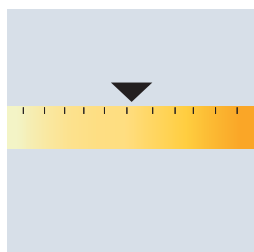


4000K

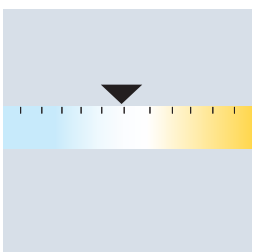


5000K

#### Tunable White



Dim To Warm



Tunable White