

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



## Highlights

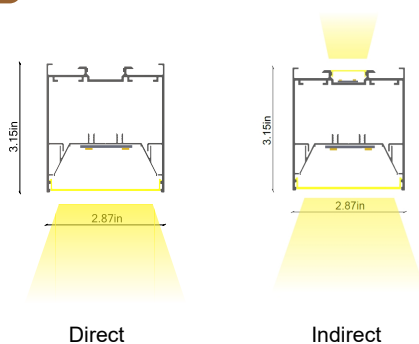
The TechoLED BX series features specification-grade linear LED fixtures made from high-grade aluminum extrusions. Available in standard sizes from 2 to 8 feet, as well as custom lengths, these fixtures can be pendant, surface, or wall-mounted. With virtually limitless options for creating patterns and shapes, the BX series provides a versatile, cost-effective, and modern lighting solution.

**LED:** Samsung LED chips, 2700-5000K, tunable white and RGB/RGBW available, 90CRI, 50,000 hour rated lifespan. Custom lumen packages available.

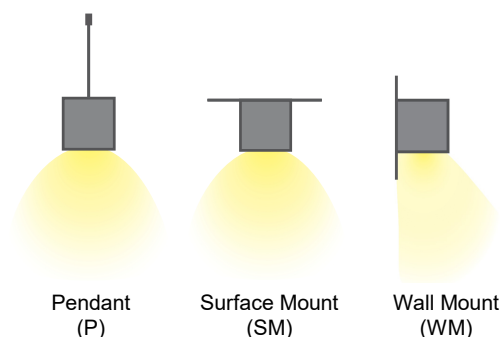
**Optical:** Direct and direct/indirect illumination, 110° beam angle, UGR<19

**Construction:** Damp location listed, high grade aluminum extrusion, die cast end caps, PMMA diffuser, powder coat finish. X, T, L lit corners, wall to ceiling transitions, for smooth seamless patterns.

## Cross Section



## Installation



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

## Configuration Example

| Model #                     | Distribution | Length | Lumen Output | Color Temp. | Voltage  | Color |
|-----------------------------|--------------|--------|--------------|-------------|----------|-------|
| TECHOLED-BX-3-D-4-LO-27-U-W | Direct       | 4'     | Low          | 2700K       | 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-3</b>      | BX-3            | <b>D</b>       | Direct                    | <b>2</b>           | 2'                  | <b>LO</b>      | Low           |
|                  |                 | <b>DI</b>      | Direct/Indirect           | <b>4</b>           | 4'                  | <b>ME</b>      | Medium        |
|                  |                 | <b>DI2</b>     | D/I2-circuit              | <b>6</b>           | 6'                  | <b>HI</b>      | High          |
|                  |                 | <b>DWW</b>     | Direct, Wall Wash         | <b>8</b>           | 8'                  |                |               |
|                  |                 | <b>BW</b>      | Bat Wing                  | <b>C</b>           | Custom              |                |               |
| 5-COLOR TEMP.    |                 | 6-VOLTAGE      |                           | 7-FINISH           |                     | 8-MOUNTING     |               |
| <b>27</b>        | 2700K           | <b>U</b>       | 110-277V                  | <b>S</b>           | Silver              | <b>P</b>       | Pendant       |
| <b>30</b>        | 3000K           | <b>HV</b>      | 347V                      | <b>W</b>           | White               | <b>W</b>       | Wall Mount    |
| <b>35</b>        | 3500K           |                |                           | <b>B</b>           | Black               | <b>SM</b>      | Surface Mount |
| <b>40</b>        | 4000K           |                |                           | <b>C</b>           | Custom (RAL#)       |                |               |
| <b>50</b>        | 5000K           |                |                           |                    |                     |                |               |
| <b>DT</b>        | Lutron T-series |                |                           |                    |                     |                |               |
| <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>AWN</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

| Model #                 | Size | Output | Color Temp. | Wattage | Lumen Output |
|-------------------------|------|--------|-------------|---------|--------------|
| TECHOLED-BX-3-D-2-ME-30 | 2'   | Medium | 3000K       | 16W     | 2100Lm       |
| TECHOLED-BX-3-D-2-HI-30 | 2'   | High   | 3000K       | 22W     | 2900Lm       |
| TECHOLED-BX-3-D-4-LO-30 | 4'   | Low    | 3000K       | 23W     | 3040Lm       |
| TECHOLED-BX-3-D-4-ME-30 | 4'   | Medium | 3000K       | 32W     | 4200Lm       |
| TECHOLED-BX-3-D-4-HI-30 | 4'   | High   | 3000K       | 44W     | 5800Lm       |
| TECHOLED-BX-3-D-6-LO-30 | 6'   | Low    | 3000K       | 34W     | 4560Lm       |
| TECHOLED-BX-3-D-6-ME-30 | 6'   | Medium | 3000K       | 48W     | 6300Lm       |
| TECHOLED-BX-3-D-6-HI-30 | 6'   | High   | 3000K       | 66W     | 8700Lm       |
| TECHOLED-BX-3-D-8-LO-30 | 8'   | Low    | 3000K       | 46W     | 6080Lm       |
| TECHOLED-BX-3-D-8-ME-30 | 8'   | Medium | 3000K       | 64W     | 8400Lm       |
| TECHOLED-BX-3-D-8-HI-30 | 8'   | High   | 3000K       | 89W     | 11600Lm      |

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

| Model #                  | Size | Output | Color Temp. | Wattage | Down Lumen Out. | Up Lumen Out. |
|--------------------------|------|--------|-------------|---------|-----------------|---------------|
| TECHOLED-BX-3-DI-2-ME-30 | 2'   | Medium | 3000K       | 17W     | 1467Lm          | 862Lm         |
| TECHOLED-BX-3-DI-2-HI-30 | 2'   | High   | 3000K       | 22W     | 1899Lm          | 1115Lm        |
| TECHOLED-BX-3-DI-4-LO-30 | 4'   | Low    | 3000K       | 23W     | 1985Lm          | 1166Lm        |
| TECHOLED-BX-3-DI-4-ME-30 | 4'   | Medium | 3000K       | 34W     | 2935Lm          | 1723Lm        |
| TECHOLED-BX-3-DI-4-HI-30 | 4'   | High   | 3000K       | 44W     | 3798Lm          | 2230Lm        |
| TECHOLED-BX-3-DI-6-LO-30 | 6'   | Low    | 3000K       | 34W     | 2978Lm          | 1749Lm        |
| TECHOLED-BX-3-DI-6-ME-30 | 6'   | Medium | 3000K       | 51W     | 4402Lm          | 2585Lm        |
| TECHOLED-BX-3-DI-6-HI-30 | 6'   | High   | 3000K       | 65W     | 5696Lm          | 3346Lm        |
| TECHOLED-BX-3-DI-8-LO-30 | 8'   | Low    | 3000K       | 46W     | 3970Lm          | 2332Lm        |
| TECHOLED-BX-3-DI-8-ME-30 | 8'   | Medium | 3000K       | 68W     | 5869Lm          | 3447Lm        |
| TECHOLED-BX-3-DI-8-HI-30 | 8'   | High   | 3000K       | 88W     | 7595Lm          | 4461Lm        |

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

## ■ Performance

| Output | Lumens / W | Direct<br>W / ft | Lumens / ft |
|--------|------------|------------------|-------------|
| Low    | 131        | 5.8              | 760         |
| Medium | 131        | 8.0              | 1050        |
| High   | 131        | 11.1             | 1450        |

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

| Output | Lumens / W | Direct |             | Lumens / W | Indirect |             |
|--------|------------|--------|-------------|------------|----------|-------------|
|        |            | W / ft | Lumens / ft |            | W / ft   | Lumens / ft |
| Low    | 137        | 3.6    | 496         | 137        | 2.2      | 291         |
| Medium | 137        | 5.4    | 734         | 137        | 3.1      | 431         |
| High   | 137        | 6.9    | 949         | 137        | 4.1      | 558         |

## 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                                   |
| AWNRR  | <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                                            |

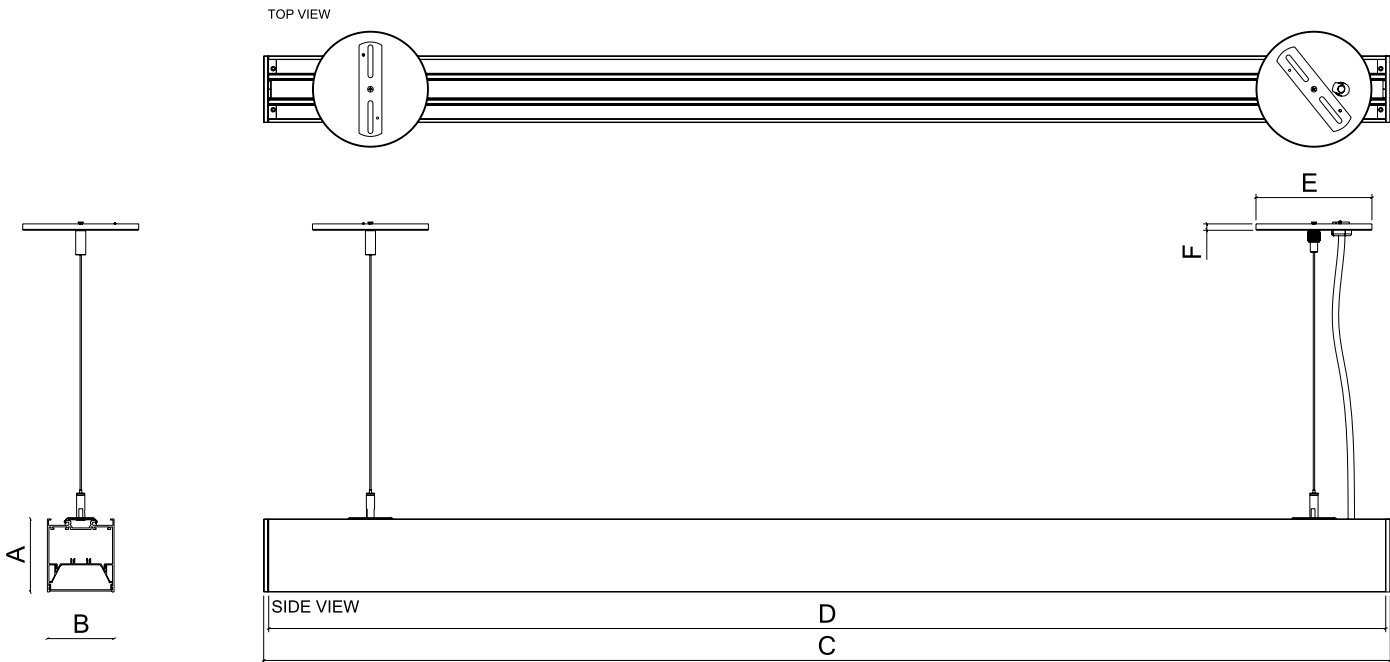
## Options (Cont.) Details

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



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

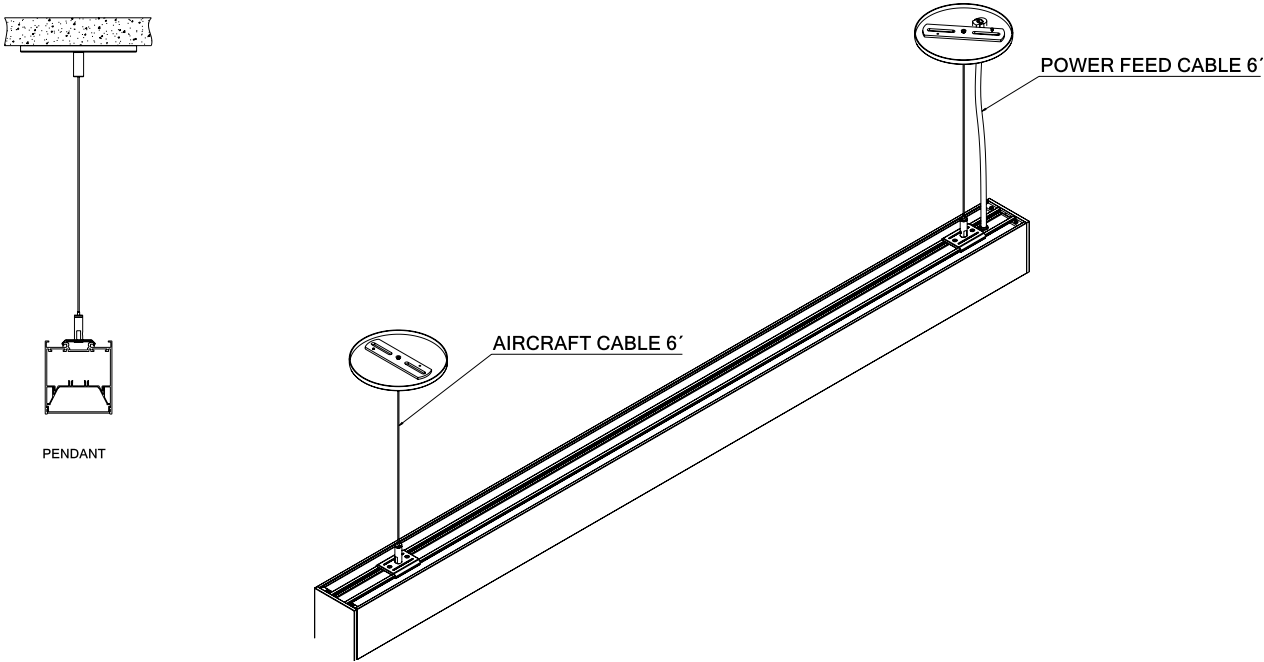
Dimension and Mounting - Direct Distribution (D)



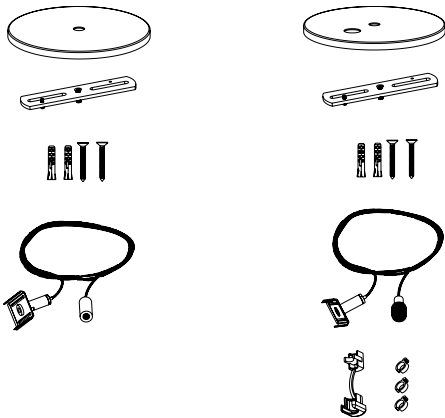
| FIXTURE ID | A     | B     | C      | D      | E  | F     |
|------------|-------|-------|--------|--------|----|-------|
| BX-3-D-2   | 3.15" | 2.87" | 24.57" | 24.17" | 5" | 0.28" |
| BX-3-D-4   | 3.15" | 2.87" | 48.58" | 48.19" | 5" | 0.28" |
| BX-3-D-6   | 3.15" | 2.87" | 72.56" | 72.17" | 5" | 0.28" |
| BX-3-D-8   | 3.15" | 2.87" | 96.57" | 96.18" | 5" | 0.28" |

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

Pendant (D)

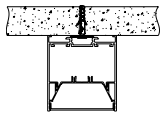


Pendant Kit

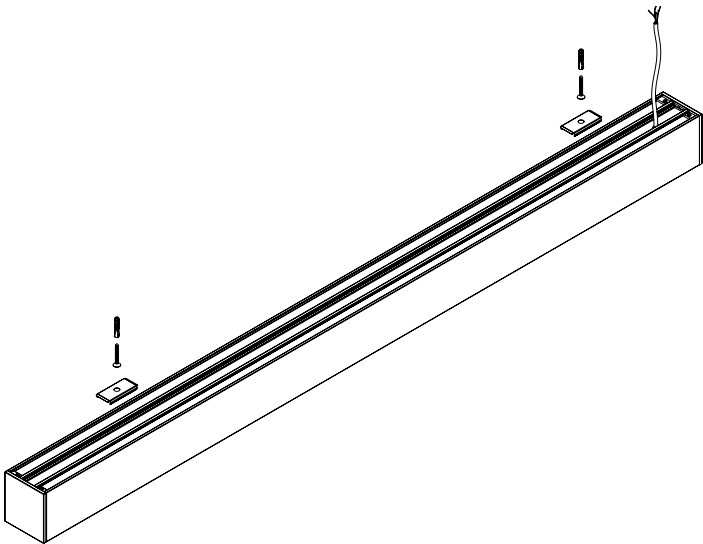


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| Project: | Type:     |
|          | Comments: |

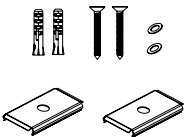
■ Surface Mount (D)



SURFACE MOUNT

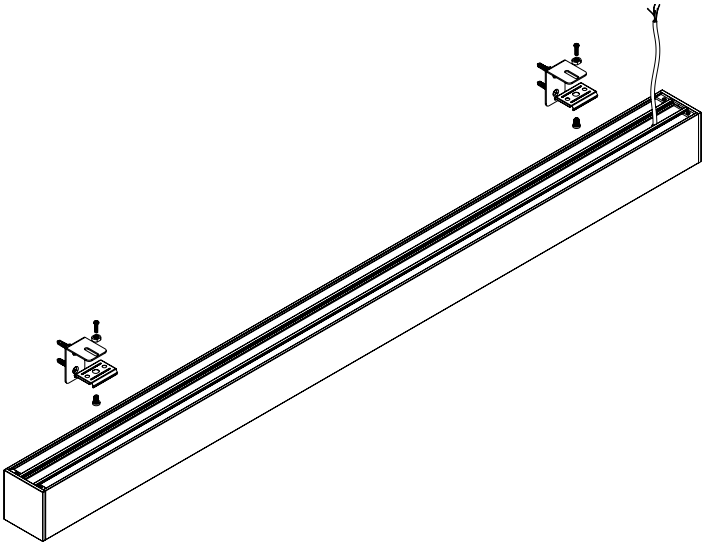
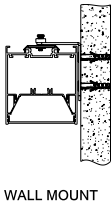


■ Surface Mount Kit



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

■ Wall Mount (D)

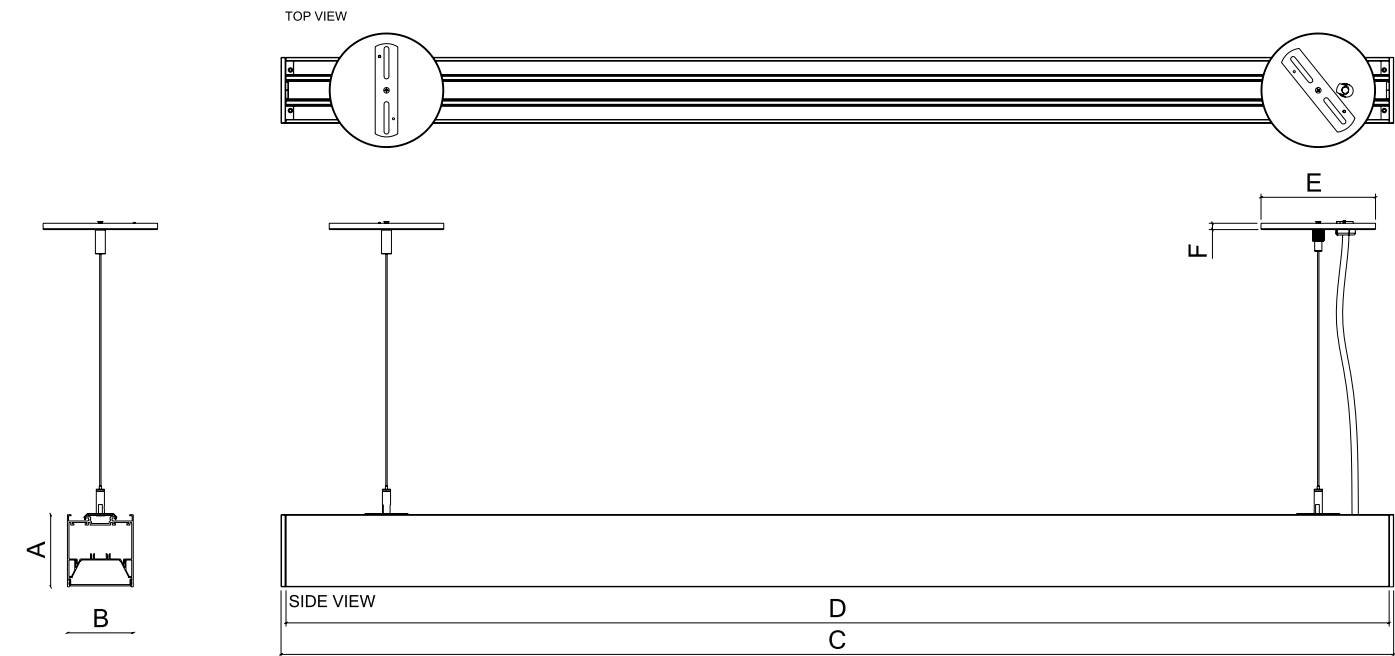


■ Wall Mount Kit



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

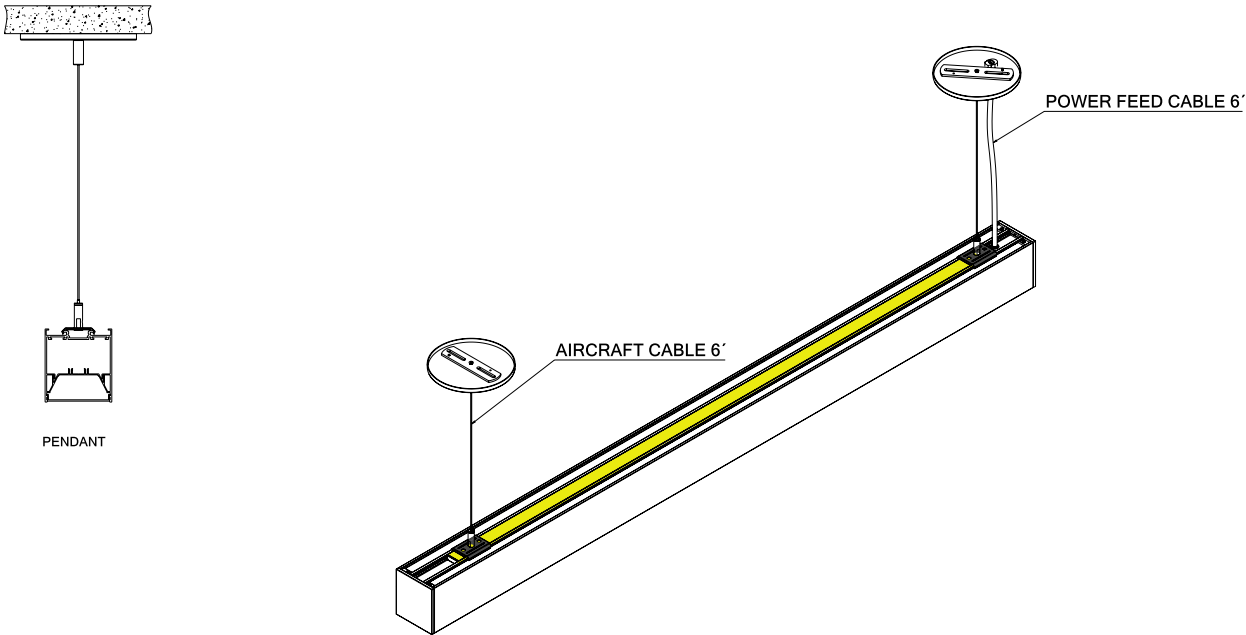
Dimension and Mounting - Direct/Indirect Distribution (DI)



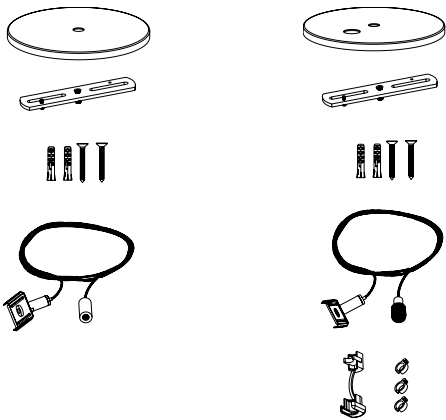
| FIXTURE ID | A     | B     | C      | D      | E  | F     |
|------------|-------|-------|--------|--------|----|-------|
| BX-3-DI-2  | 3.15" | 2.87" | 24.57" | 24.17" | 5" | 0.28" |
| BX-3-DI-4  | 3.15" | 2.87" | 48.58" | 48.19" | 5" | 0.28" |
| BX-3-DI-6  | 3.15" | 2.87" | 72.56" | 72.17" | 5" | 0.28" |
| BX-3-DI-8  | 3.15" | 2.87" | 96.57" | 96.18" | 5" | 0.28" |

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

■ Pendant (DI)

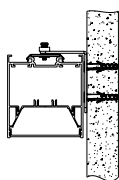


■ Pendant Kit

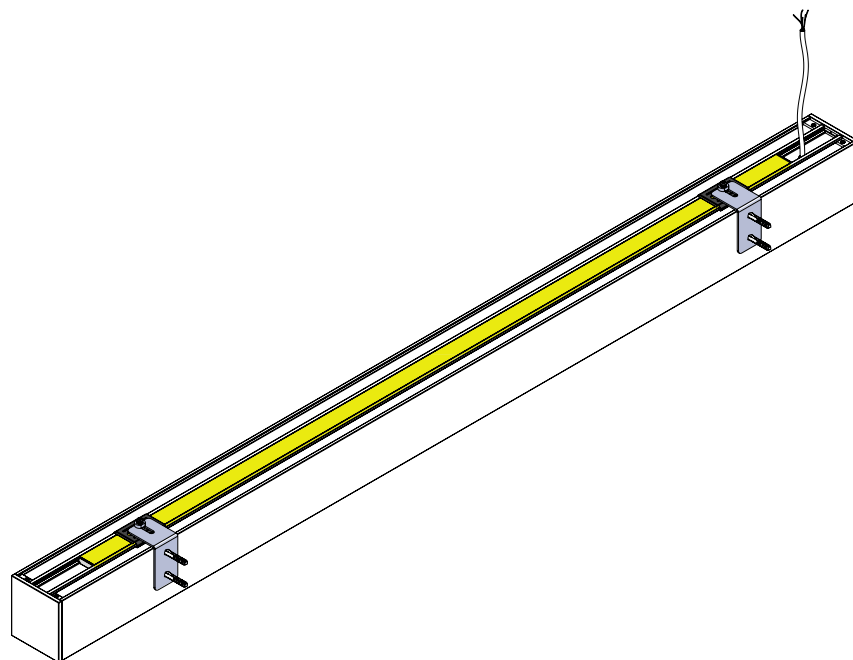


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| Project: | Type:     |
|          | Comments: |

■ **Wall Mount (DI)**



WALL MOUNT

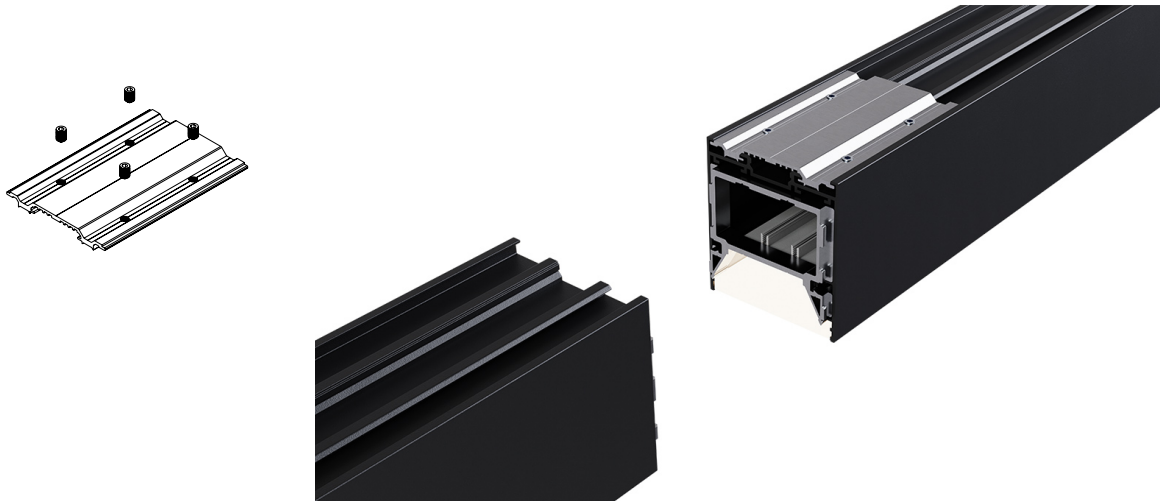


■ **Wall Mount Kit**

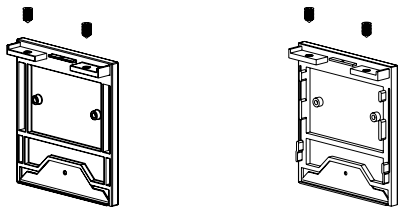


|          |           |
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| Project: | Type:     |
|          | Comments: |

Connectors



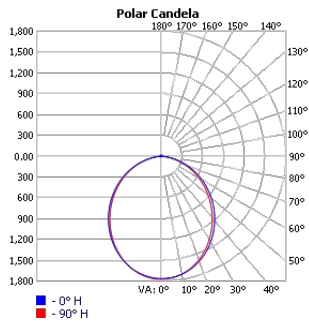
End Caps



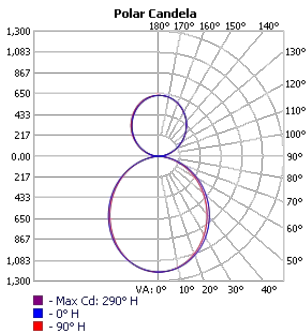


|          |           |
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| Project: | Type:     |
|          | Comments: |

Photometrics



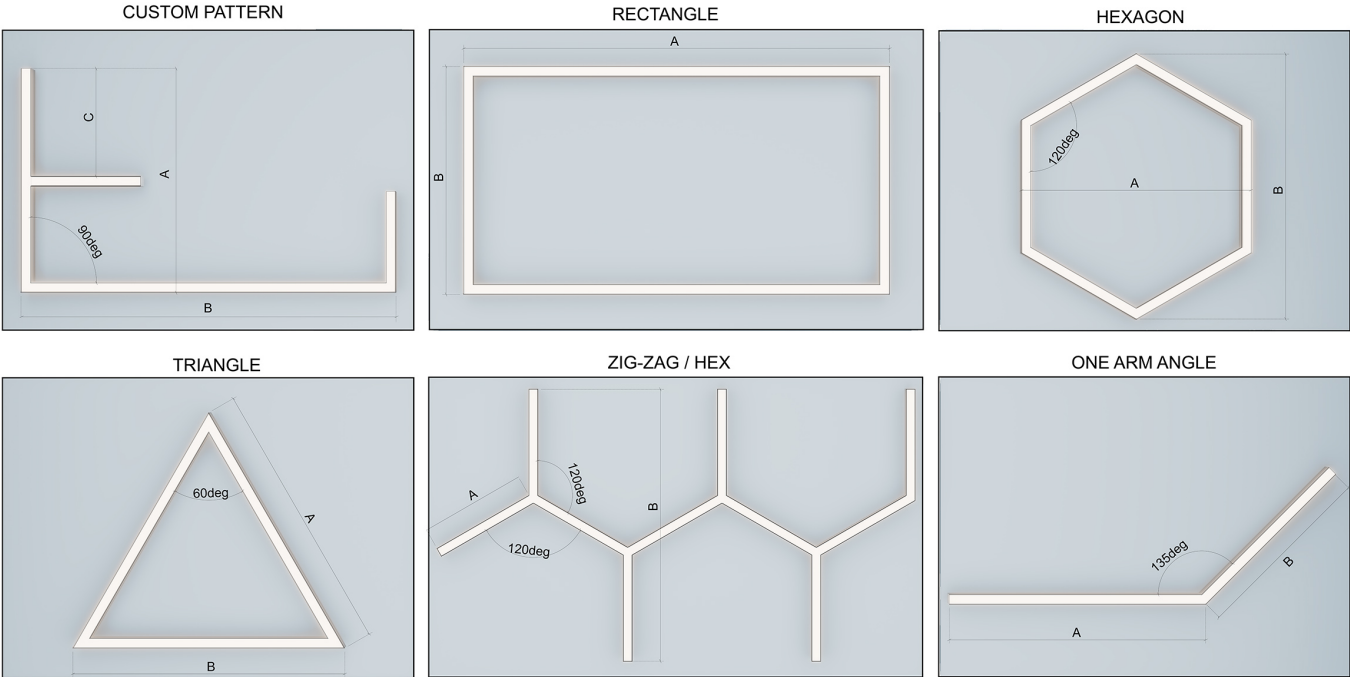
Direct



Indirect

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

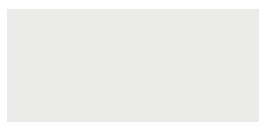
Patterns Option Examples



|          |           |
|----------|-----------|
| 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)

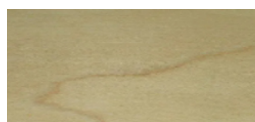
 **Custom Wooden Colors**



American Walnut



Cherry



Maple



Light Oak

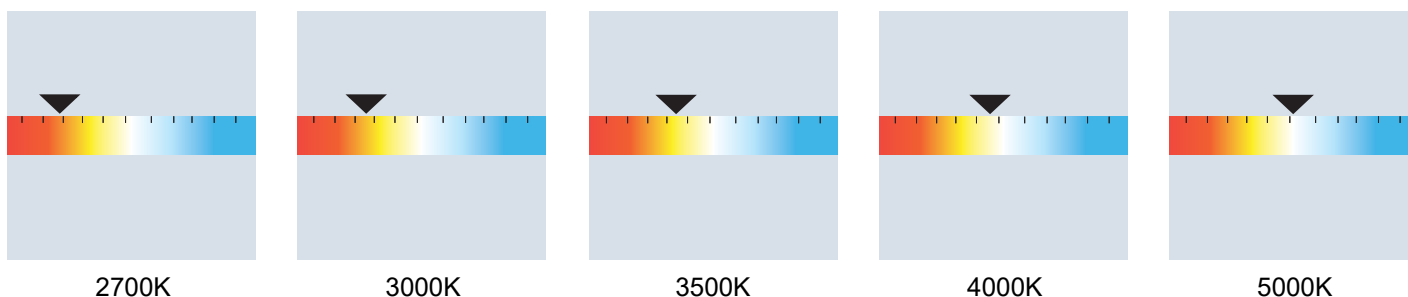


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| Project: | Type:     |
|          | Comments: |

## Color Temperature

### ■ Color Temperature



### ■ Tunable White

