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# BX-2U-R SERIES

Rev. Date: 10/19/2026

| 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, recessed installation in variety of ceiling and materials. With virtually limitless options for creating patterns and shapes, the BX series provides a versatile, cost-effective, and modern lighting solution.

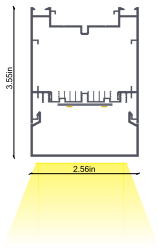
**LED:** Samsung LED chips, 2700-5000K, tunable white and RGB/RGBW available, 90CRI, 50,000 hour rated lifespan. Custom lumen packages available.

**Optical:** Direct illumination, multiple beam angles available (110° beam angle on solid lens), 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.

5-year limited warranty

## Cross Section




## Installation



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## Configuration Example

| Model # | Distribution | Length | Lumen Output | Color Temp. | Voltage | Color |
|---|---|---|---|---|---|---|
| TECHOLED-BX-2U-R-D-2-LO-27-U-W | Direct | 2' | Low | 2700K | 110-270V | White |

## Ordering Guide:

Select one option from each group below. For a custom preference please contact sales@techoled.com

| 1-FIXTURE ID | | 2-DISTRIBUTION | | 3-LENGTH | | 4-LUMEN OUTPUT | |
|---|---|---|---|---|---|---|---|
| BX-2U-R | | D | Direct | 2 | 2´ | LO | Low |
| | | | | 4 | 4´ | ME | Medium |
| | | | | 6 | 6´ | HI | High |
| | | | | 8 | 8´ | | |
| | | | | C | Custom | | |

| 5-COLOR TEMP. | | 6-VOLTAGE | | 7-FINISH | | 8-MOUNTING | |
|---|---|---|---|---|---|---|---|
| 27 | 2700K | U | 110-277V | S | Silver | RP | Mud-in |
| 30 | 3000K | HV | 347V | W | White | TG | T Grid Universal |
| 35 | 3500K | | | B | Black | | |
| 40 | 4000K | | | C | Custom (RAL#) | | |
| 50 | 5000K | | | | | | |
| DT | Lutron T-series | | | | | | |
| RGB | RGB | | | | | | |
| RGBW | RGBW | | | | | | |
| D | Tunable White | | | | | | |

| 9-DRIVER OPTIONS | | 10-OPTIONS | | 11-OPTIONS (CONT.) | |
|---|---|---|---|---|---|
| DM | 0-10V Dimming | RF-D | Remote Tunable (RF only) | EM | EM Battery (remote) |
| 2C | 2 Channel | RF-R | Remote RGB/W (RF only) | X | None |
| DM1% | 1% Dimming | M | Motion Sensor (remote) | | |
| LT1 | LDE1 Lutron 1% | BM | BubblyNet BT Mesh | | |
| DA | Dali | CS | Casambi | | |
| DMX | DMX | AWNR | Lutron Athena Node | | |
| TR | Triac Dimming | AWNS | Lutron Athena Node sensor | | |
| RF | RF Wireless | NL-ES7 | nLight - Wired | | |
| X | None | NL-AIR | nLight - AIR | | |
| | | NL-M | nLight - Module only | | |
| | | X | None | | |

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## Lumen Output Details

| Model # | Size | Output | Color Temp. | Wattage | Lumen Output |
|---|---|---|---|---|---|
| TECHOLED-BX-2U-R-D-2-LO-30 | 2' | Low | 3000K | 12W | 1200Lm |
| TECHOLED-BX-2U-R-D-2-ME-30 | 2' | Medium | 3000K | 18W | 1800Lm |
| TECHOLED-BX-2U-R-D-2-HI-30 | 2' | High | 3000K | 23W | 2300Lm |
| TECHOLED-BX-2U-R-D-4-LO-30 | 4' | Low | 3000K | 23W | 2300Lm |
| TECHOLED-BX-2U-R-D-4-ME-30 | 4' | Medium | 3000K | 36W | 3600Lm |
| TECHOLED-BX-2U-R-D-4-HI-30 | 4' | High | 3000K | 46W | 4600Lm |
| TECHOLED-BX-2U-R-D-6-LO-30 | 6' | Low | 3000K | 35W | 3500Lm |
| TECHOLED-BX-2U-R-D-6-ME-30 | 6' | Medium | 3000K | 54W | 5400Lm |
| TECHOLED-BX-2U-R-D-6-HI-30 | 6' | High | 3000K | 69W | 6900Lm |
| TECHOLED-BX-2U-R-D-8-LO-30 | 8' | Low | 3000K | 46W | 4600Lm |
| TECHOLED-BX-2U-R-D-8-ME-30 | 8' | Medium | 3000K | 72W | 7200Lm |
| TECHOLED-BX-2U-R-D-8-HI-30 | 8' | High | 3000K | 92W | 9200Lm |

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

## Performance

| | | Direct | |
|---|---|---|---|
| Output | Lumens / W | W / ft | Lumens / ft |
| Low | 100 | 5.8 | 580 |
| Medium | 100 | 9.0 | 900 |
| High | 100 | 11.5 | 1150 |

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

## Driver Option Details

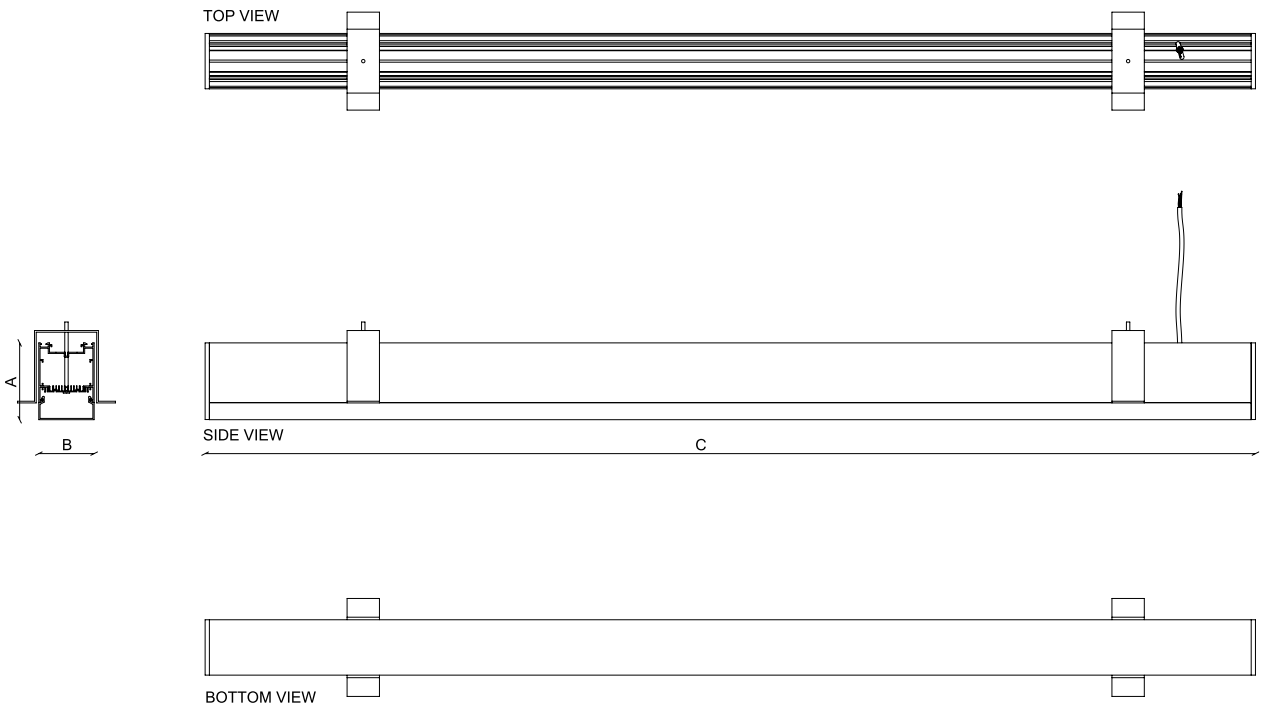
| Code | Description |
|---|---|
| LT1 | **LDE1** -Lutron Hi-lume 1% EcoSystem, Soft-on, Fade-to Black Dimming |
| DA | **DALI** |
| DMX | **DMX** - Decoder provided by TechoLED, controller by others |

## Controls Details

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

| Project: | Type: |
|---|---|
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## Dimension and Mounting - Direct Distribution (D)




| FIXTURE ID | A | B | C |
|---|---|---|---|
| BX-2U-R-D-2 | 3.5" | 2.6" | 24.2" |
| BX-2U-R-D-4 | 3.5" | 2.6" | 48" |
| BX-2U-R-D-6 | 3.5" | 2.6" | 71.7" |
| BX-2U-R-D-8 | 3.5" | 2.6" | 95.5" |

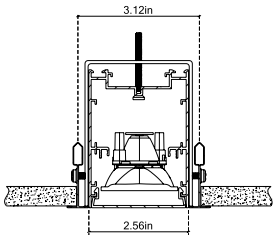
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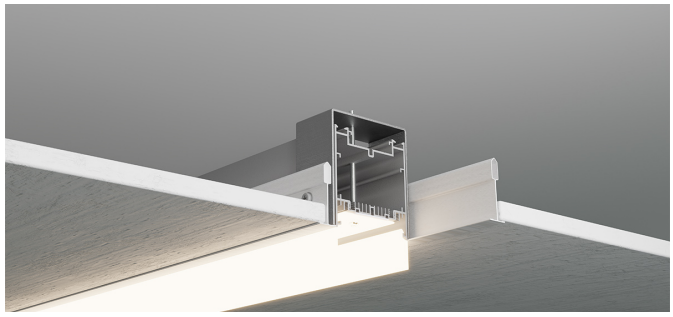
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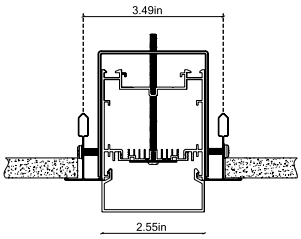
| Project: | Type: |
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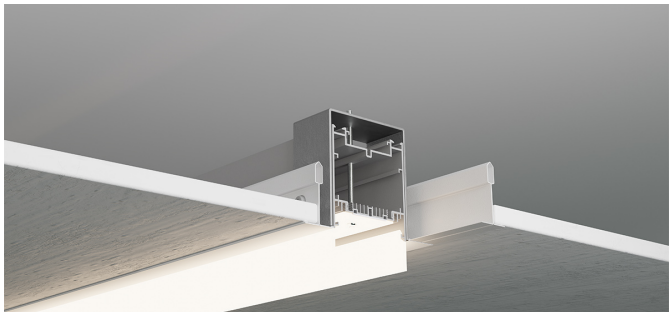
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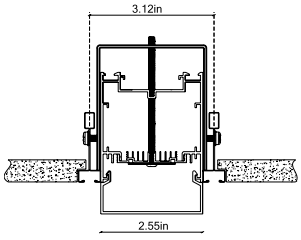



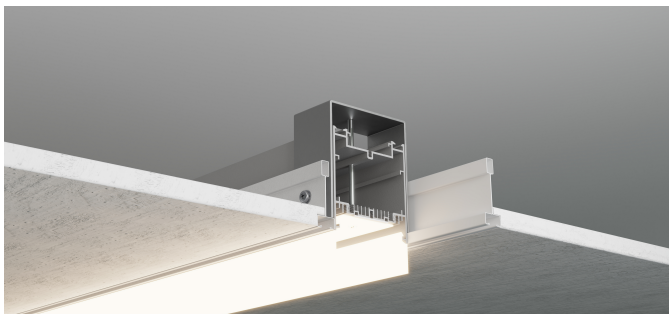
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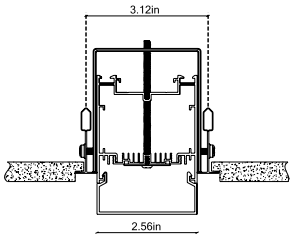



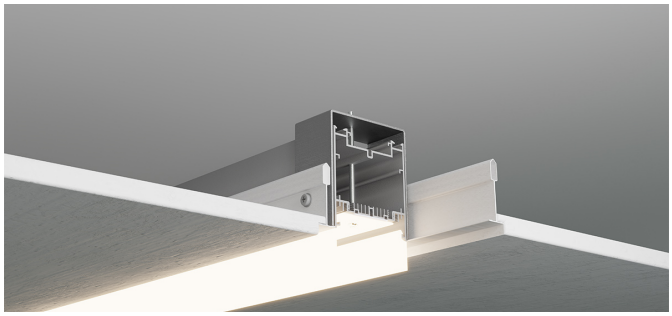
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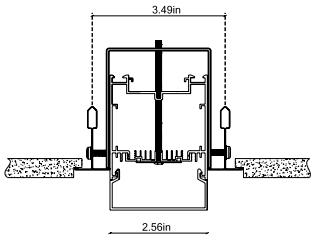
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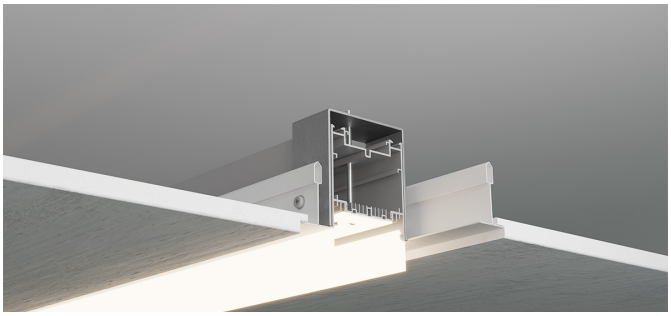


| Project: | Type: |
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| | Comments: |

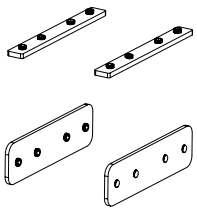
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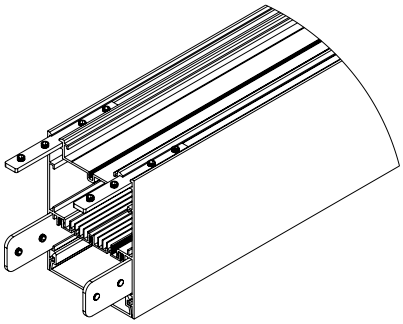


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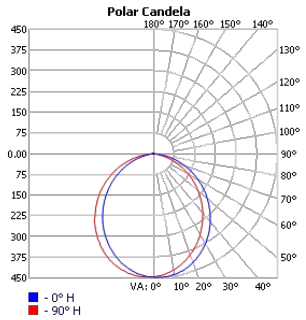
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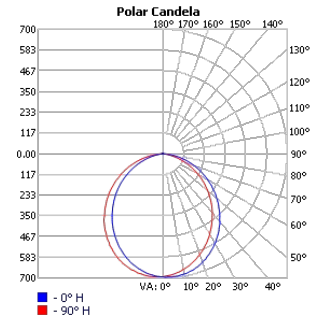


| Project: | Type: |
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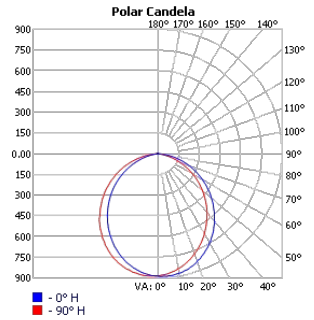
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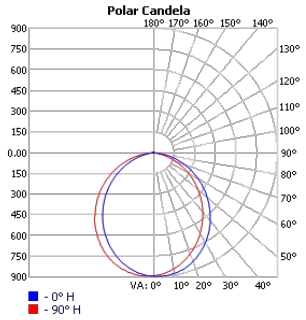

TECHOLED-BX-2U-R-D-2-LO-30



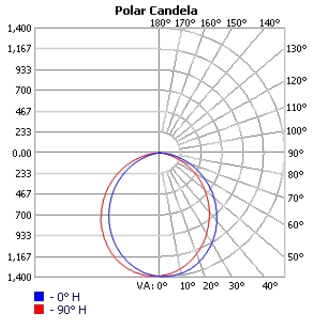

TECHOLED-BX-2U-R-D-2-ME-30



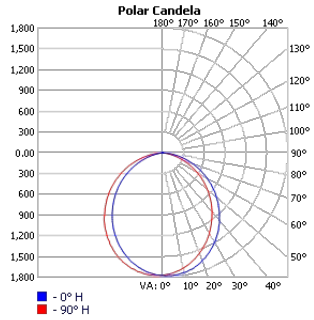

TECHOLED-BX-2U-R-D-2-HI-30



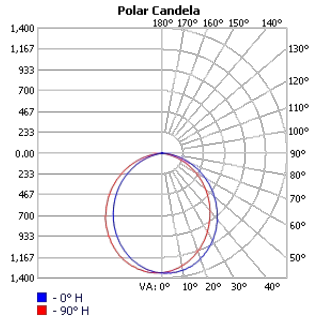

TECHOLED-BX-2U-R-D-4-LO-30



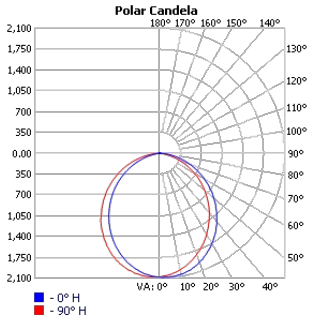

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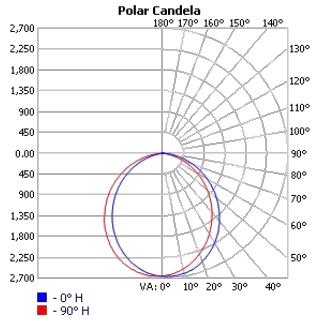

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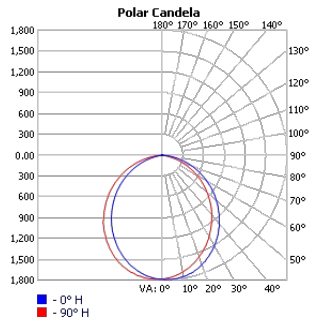

TECHOLED-BX-2U-R-D-6-LO-30



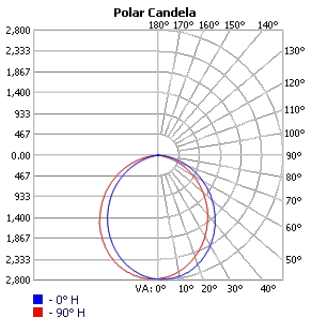

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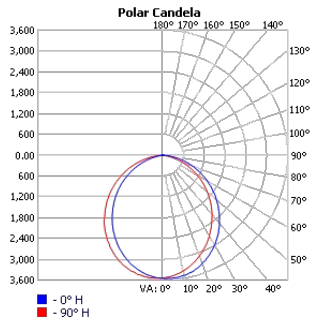

TECHOLED-BX-2U-R-D-6-HI-30




TECHOLED-BX-2U-R-D-8-LO-30



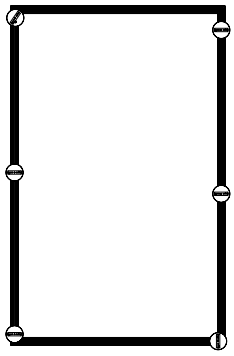

TECHOLED-BX-2U-R-D-8-ME-30



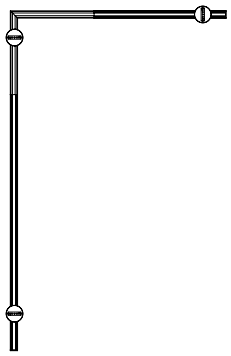

TECHOLED-BX-2U-R-D-8-HI-30

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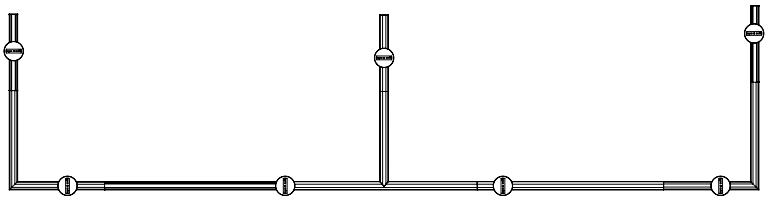
## Patterns Option Examples



Rectangle



L-Shape



Custom

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## 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](ralcolorchart.com)

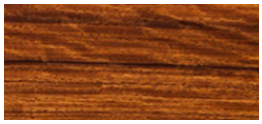
### Custom Wooden Colors


American Walnut


Cherry


Maple

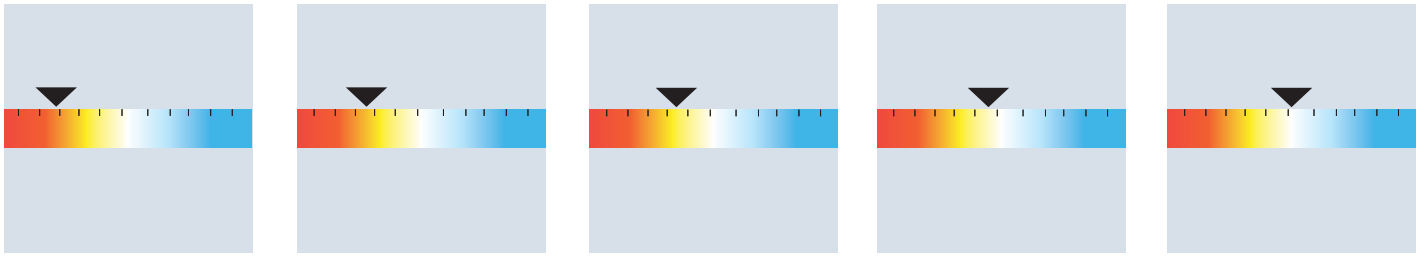

Light Oak


Palisander Santos

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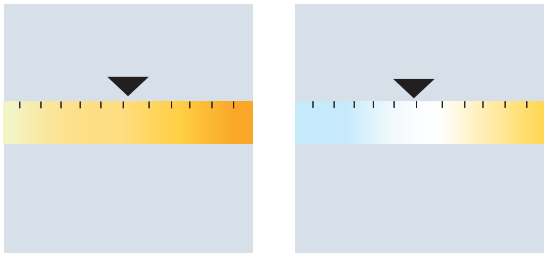
## Color Temperature

### Color Temperature



2700K | 3000K | 3500K | 4000K | 5000K

### Tunable White



Dim To Warm | Tunable White