

Project:	Type:
	Comments:



### Highlights

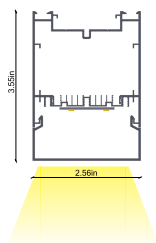
The TechoLED BX series features specification-grade linear LED fixtures made from high-grade aluminum extrusions. Available in standard sizes from 2 to 8 feet, as well as custom lengths, recessed installation in variety of ceiling and materials. With virtually limitless options for creating patterns 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.

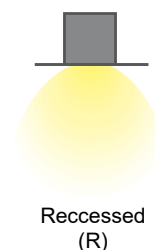
**Optical:** Direct illumination, multiple beam angles available (110° beam angle on solid lens), UGR<19

**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.

### 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](mailto:sales@techoled.com)

1-FIXTURE ID	2-DISTRIBUTION	3-LENGTH	4-LUMEN OUTPUT
<b>BX-2U-R</b>	<b>D</b> Direct	<b>2</b> 2' <b>4</b> 4' <b>6</b> 6' <b>8</b> 8' <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>30</b> 3000K <b>35</b> 3500K <b>40</b> 4000K <b>50</b> 5000K <b>DT</b> Lutron T-series <b>RGB</b> RGB <b>RGBW</b> RGBW <b>D</b> Tunable White	<b>U</b> 110-277V <b>HV</b> 347V	<b>S</b> Silver <b>W</b> White <b>B</b> Black <b>C</b> Custom (RAL#)	<b>RP</b> Mud-in <b>TG</b> T Grid Universal

9-DRIVER OPTIONS	10-OPTIONS	11-OPTIONS (CONT.)
<b>DM</b> 0-10V Dimming <b>2C</b> 2 Channel <b>DM1%</b> 1% Dimming <b>LT1</b> LDE1 Lutron 1% <b>DA</b> Dali <b>DMX</b> DMX <b>TR</b> Triac Dimming <b>RF</b> RF Wireless <b>X</b> None	<b>RF-D</b> Remote Tunable (RF only) <b>RF-R</b> Remote RGB/W (RF only) <b>M</b> Motion Sensor (remote) <b>BM</b> BubblyNet BT Mesh <b>CS</b> Casambi <b>AWN R</b> Lutron Athena Node <b>AWN S</b> Lutron Athena Node sensor <b>NL-ES7</b> nLight - Wired <b>NL-AIR</b> nLight - AIR <b>NL-M</b> nLight - Module only <b>X</b> None	<b>EM</b> EM Battery (remote) <b>X</b> 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	1160Lm
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	2320Lm
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	3480Lm
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	4640Lm
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

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

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### Driver Option Details

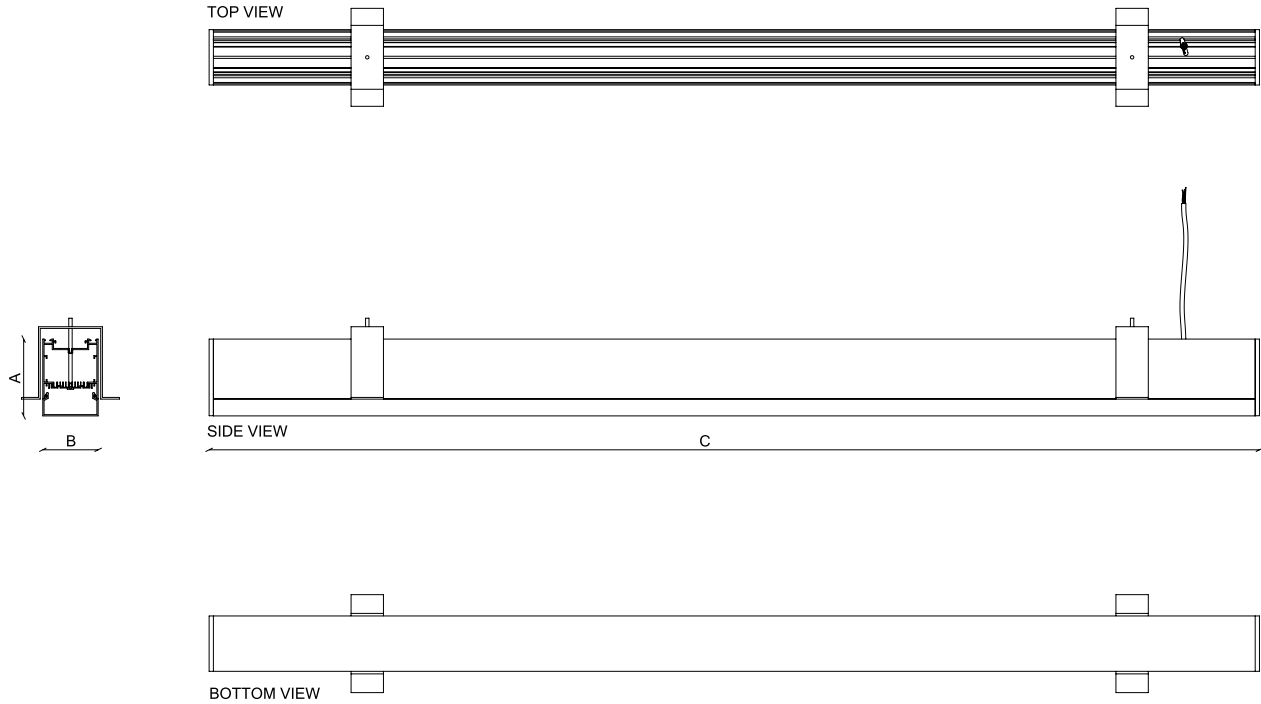
Code	Description
LT1	<b>LDE1</b> -Lutron Hi-lume 1% EcoSystem, Soft-on, Fade-to Black Dimming
DA	<b>DALI</b>
DMX	<b>DMX</b> - Decoder provided by TechoLED, controller by others

### 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

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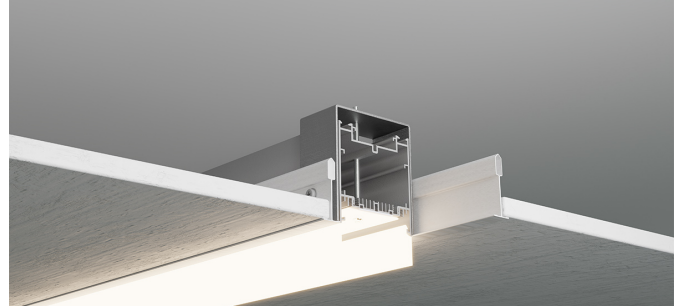
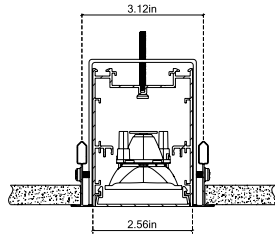
### Dimension and Mounting - Direct Distribution (D)



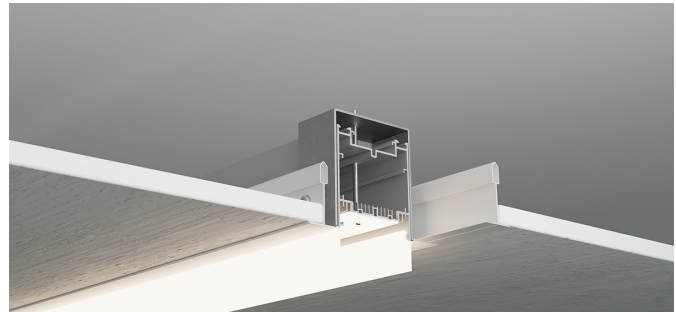
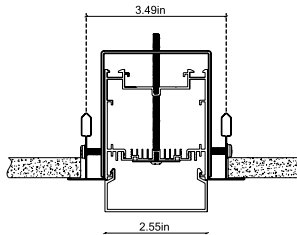
FIXTURE ID	A	B	C
BX-2U-R-D-2	3.5"	2.6"	24.2"
BX-2U-R-D-4	3.5"	2.6"	48"
BX-2U-R-D-6	3.5"	2.6"	71.7"
BX-2U-R-D-8	3.5"	2.6"	95.5"

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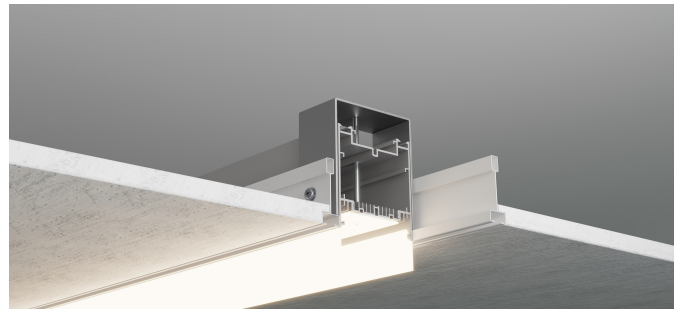
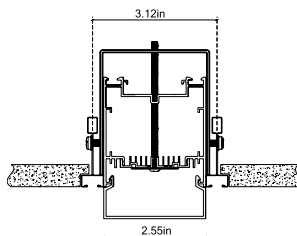
■ **Recessed - T Grid 9/16" (universal bracket)**



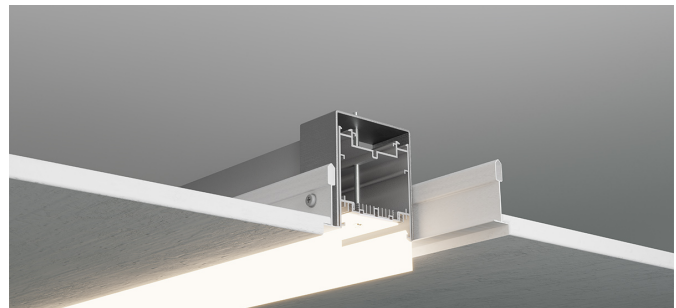
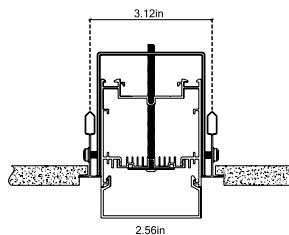
■ **Recessed - T Grid 15/16" (universal bracket)**



■ **Recessed - Slot Grid (universal bracket)**

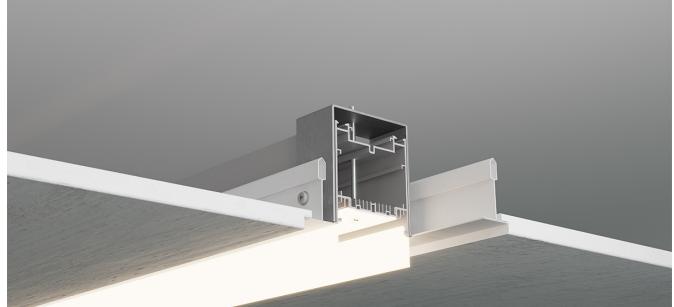
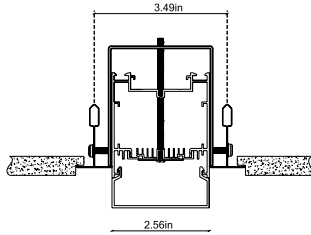


■ **Recessed - Tegular Grid 9/16" (universal bracket)**

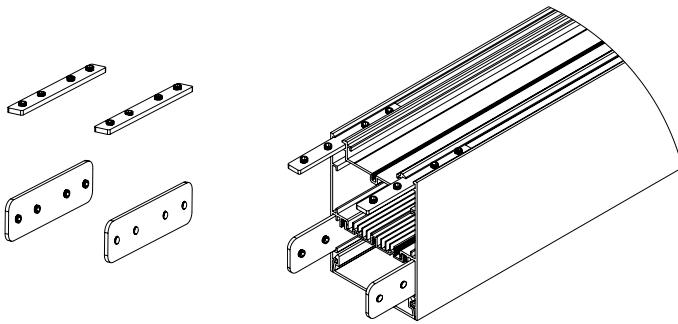


Project:	Type:
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■ **Recessed - Tegular Grid 15/16" (universal bracket)**

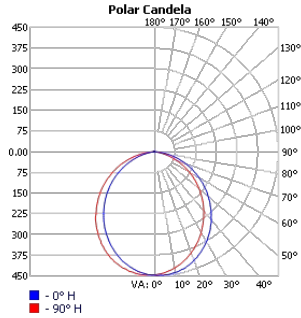


□ **Connectors**

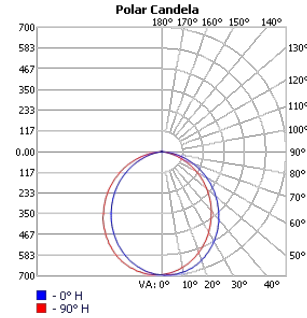


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	Comments:

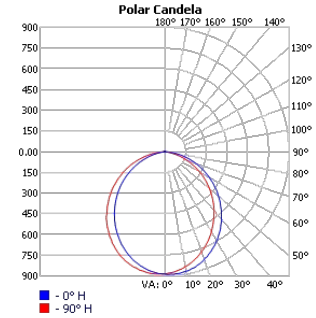
### Photometrics



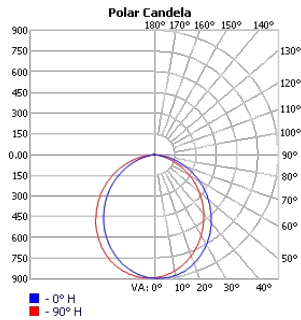
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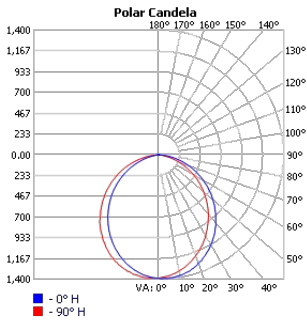
TECHOLED-BX-2U-R-D-2-ME-30



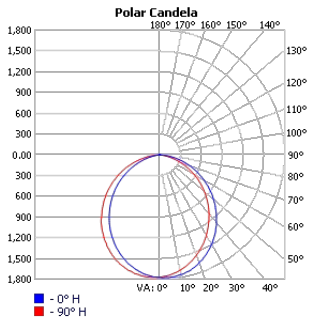
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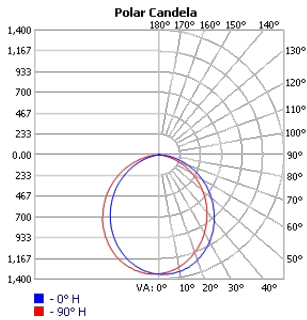
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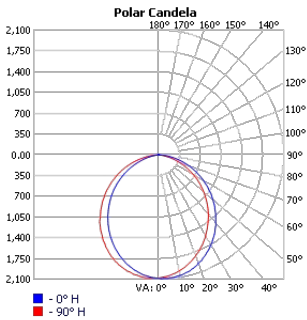
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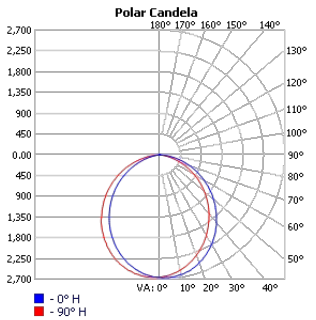
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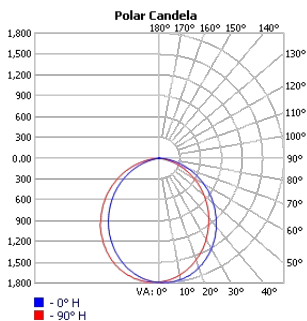
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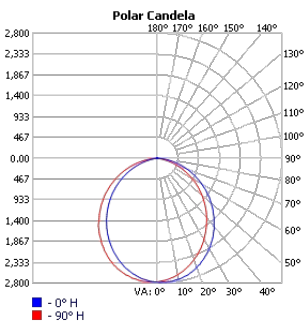
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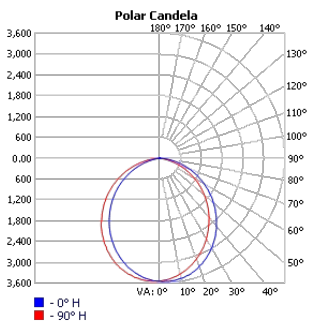
TECHOLED-BX-2U-R-D-6-HI-30



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



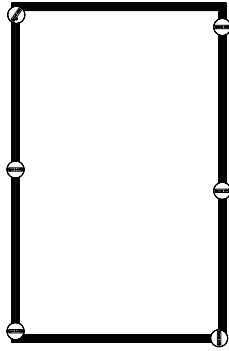
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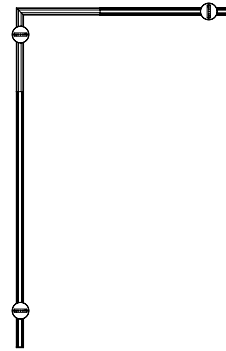
TECHOLED-BX-2U-R-D-8-HI-30

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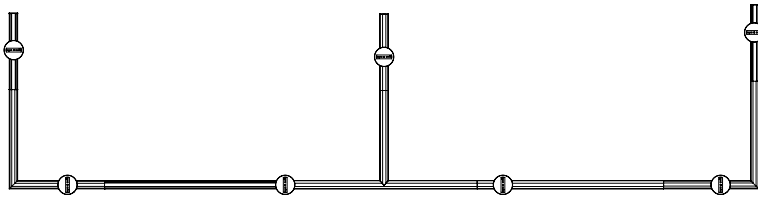
### Patterns Option Examples



Rectangle



L-Shape



Custom

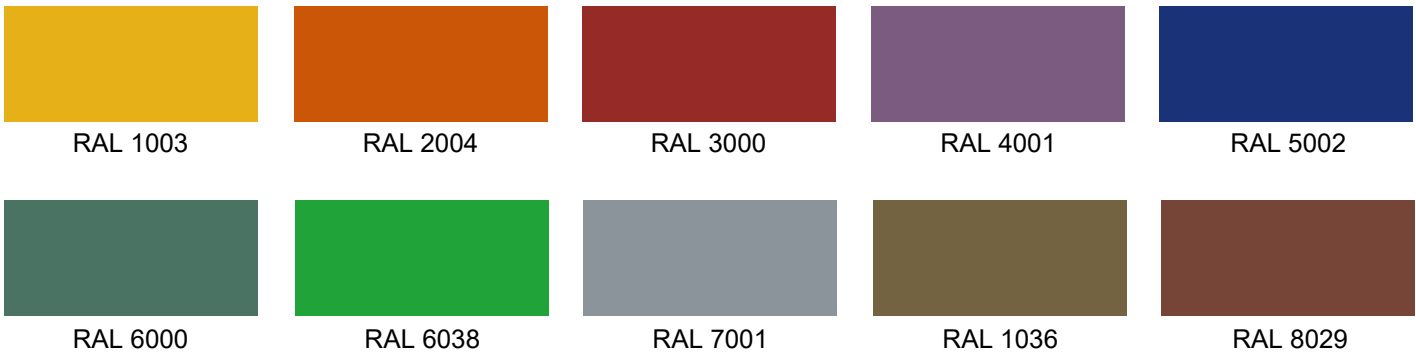
Project:	Type:
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### Finish Details (powder coat finish)

#### ■ Standard Colors

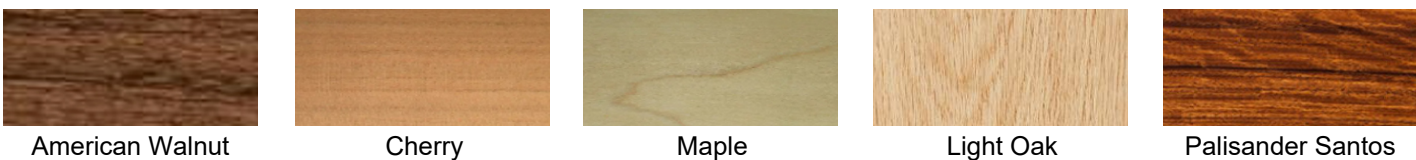


#### ■ Custom Colors



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

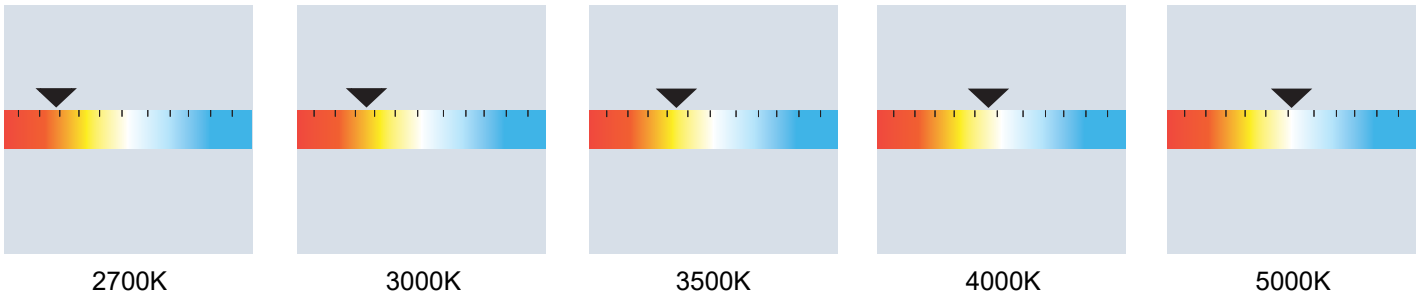
#### ■ Custom Wooden Colors



Project:	Type:
	Comments:

### Color Temperature

#### Color Temperature



#### Tunable White

