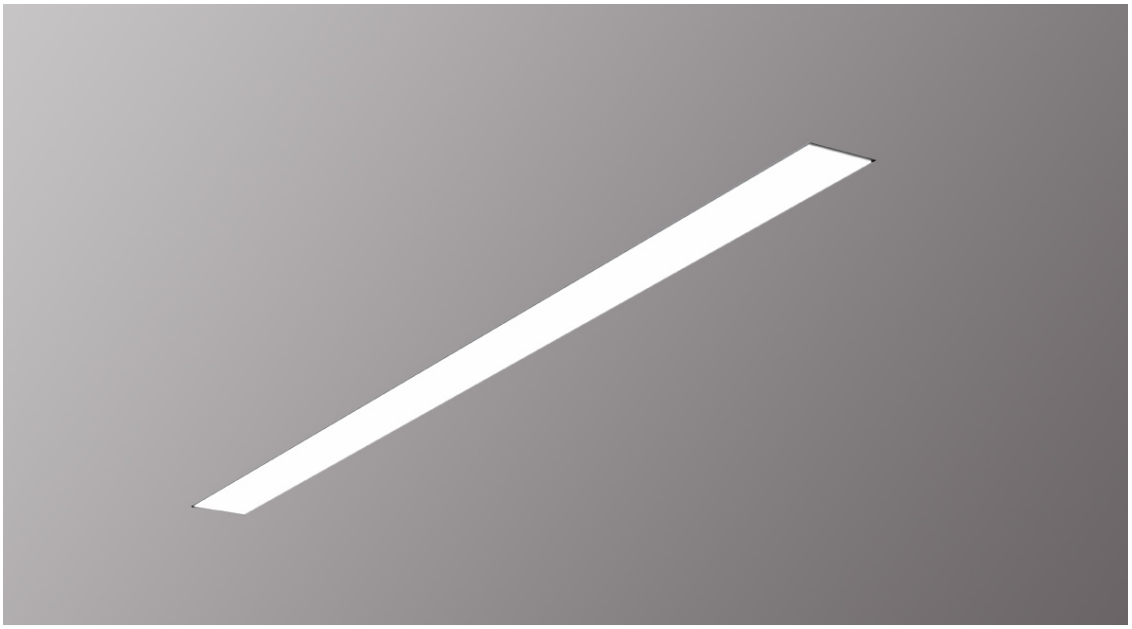
techoLED®
BROOKLYN • NY

BX-3-R SERIES

Rev. Date: 11/05/2026

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.

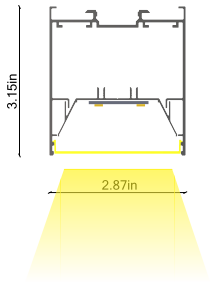
LED: Samsung LED chips, 2700-5000K, tunable white and RGB/RGBW available, 90CRI, 50,000 hour rated lifespan. Custom lumen packages available.

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, Chicago Plenum optional.

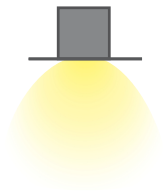
5-year limited warranty

Cross Section



Direct

Installation



Reccessed
(R)

techoLED®
BROOKLYN • NY

BX-3-R SERIES

Rev. Date: 11/05/2026

Project:	Type:
	Comments:

Configuration Example

Model #	Distribution	Length	Lumen Output	Color Temp.	Voltage	Color
TECHOLED-BX-3-R-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

1-FIXTURE ID		2-DISTRIBUTION		3-LENGTH		4-LUMEN OUTPUT	
BX-3-R	BX-3-R	D	Direct	2	2´	LO	Low
		DWW	Direct, Wall Wash	4	4´	ME	Medium
		BW	Bat Wing	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	Recessed (mud-in)
30	3000K	HV	347V	W	White	RW	Wood
35	3500K			B	Black	TG	T Grid Universal
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		
		CP	Chicago Plenum		
		X	None		

Project:	Type:
	Comments:

Lumen Output Details

Model #	Size	Output	Color Temp.	Wattage	Lumen Output
TECHOLED-BX-3-R-D-2-ME-30	2'	Medium	3000K	16W	2096Lm
TECHOLED-BX-3-R-D-2-HI-30	2'	High	3000K	22W	2882Lm
TECHOLED-BX-3-R-D-4-LO-30	4'	Low	3000K	23W	3013Lm
TECHOLED-BX-3-R-D-4-ME-30	4'	Medium	3000K	32W	4192Lm
TECHOLED-BX-3-R-D-4-HI-30	4'	High	3000K	44W	5764Lm
TECHOLED-BX-3-R-D-6-LO-30	6'	Low	3000K	34W	4454Lm
TECHOLED-BX-3-R-D-6-ME-30	6'	Medium	3000K	48W	6288Lm
TECHOLED-BX-3-R-D-6-HI-30	6'	High	3000K	66W	8646Lm
TECHOLED-BX-3-R-D-8-LO-30	8'	Low	3000K	46W	6026Lm
TECHOLED-BX-3-R-D-8-ME-30	8'	Medium	3000K	64W	8384Lm
TECHOLED-BX-3-R-D-8-HI-30	8'	High	3000K	89W	11659Lm

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	131	5.8	760
Medium	131	8.0	1048
High	131	11.1	1454

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

Options (cont.) Details

Code	Description
EM	Emergency Battery Backup (remote)

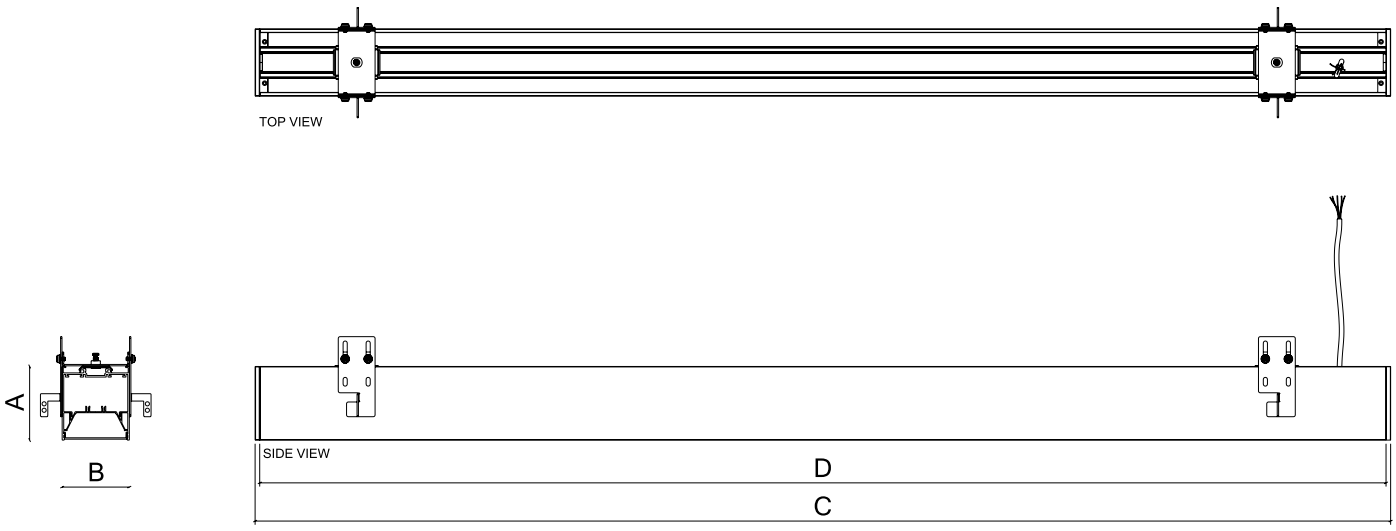
techoLED®
BROOKLYN • NY

BX-3-R SERIES

Rev. Date: 11/05/2026

Project:	Type:
	Comments:

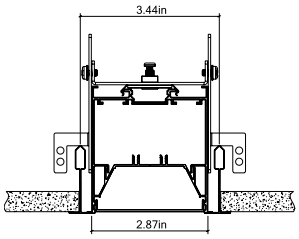
Dimension and Mounting - Direct Distribution (D)

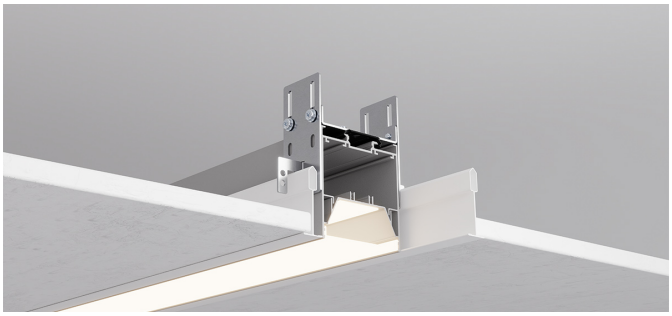


FIXTURE ID	A	B	C	D
BX-3-R-D-2	3.15"	2.87"	24.06"	23.66"
BX-3-R-D-4	3.15"	2.87"	47.52"	47.13"
BX-3-R-D-6	3.15"	2.87"	71.52"	71.13"
BX-3-R-D-8	3.15"	2.87"	95.52"	95.13"

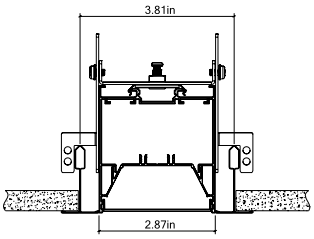
Project:	Type:
	Comments:

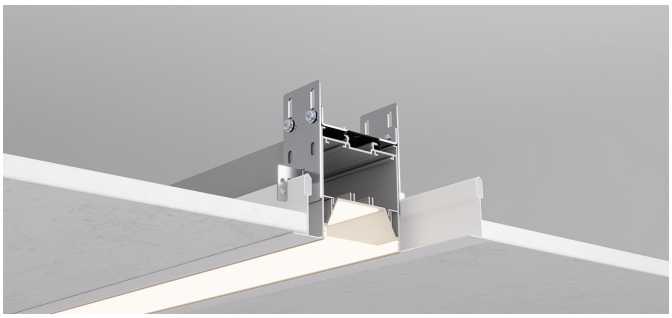
Recessed - T Grid 9/16" (universal bracket)



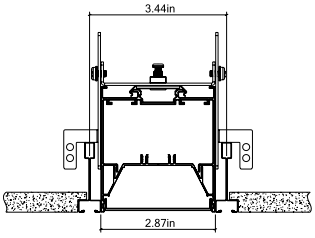


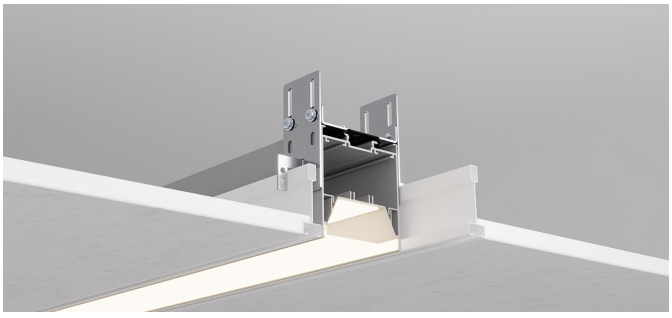
Recessed - T Grid 15/16" (universal bracket)



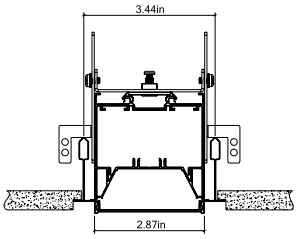


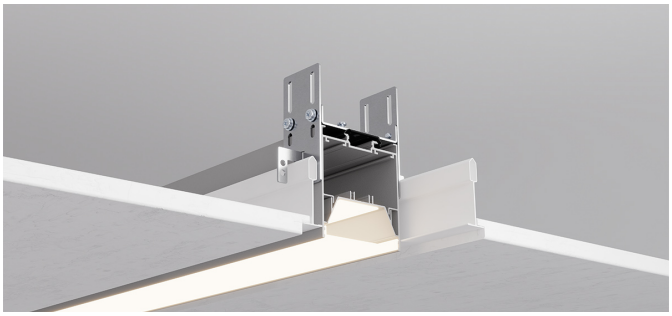
Recessed - Slot Grid (universal bracket)





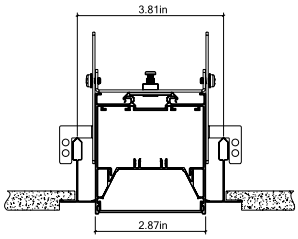
Recessed - Tegular Grid 9/16" (universal bracket)

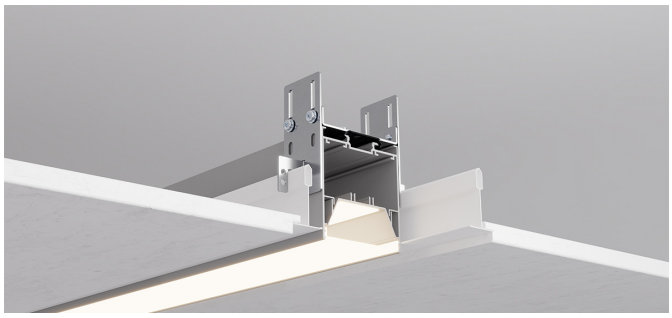




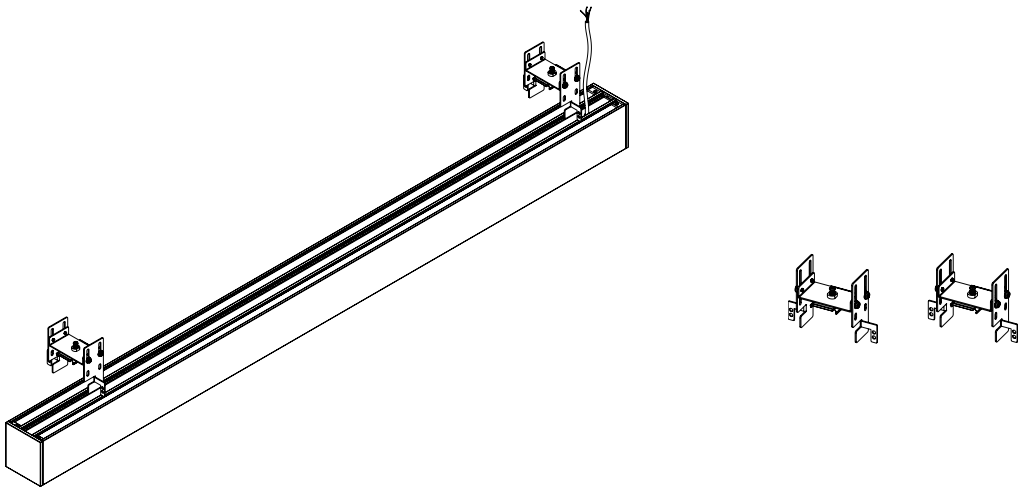
Project:	Type:
	Comments:

Recessed - Tegular Grid 15/16" (universal bracket)

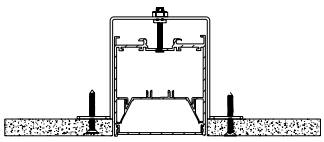


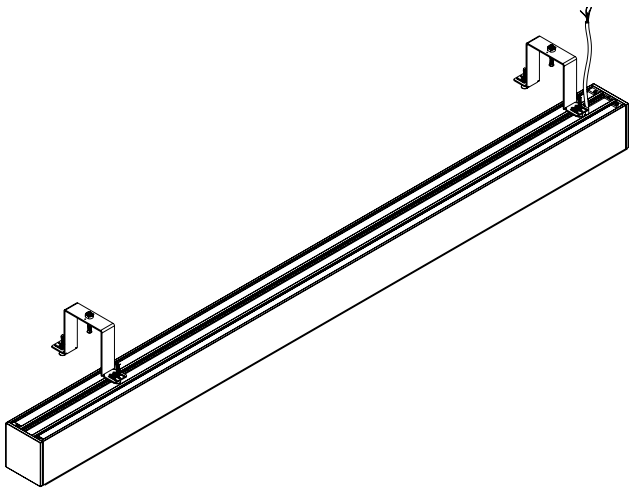


Recessed Mounting



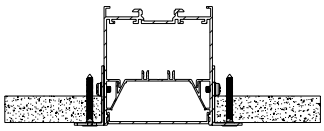
RW - Wood

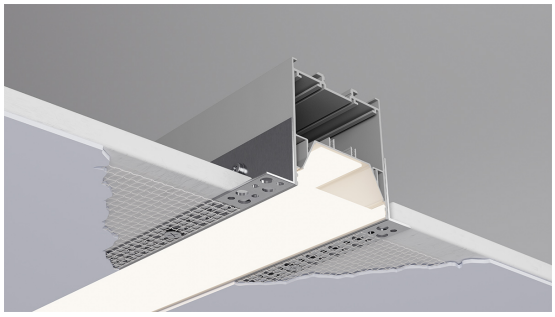


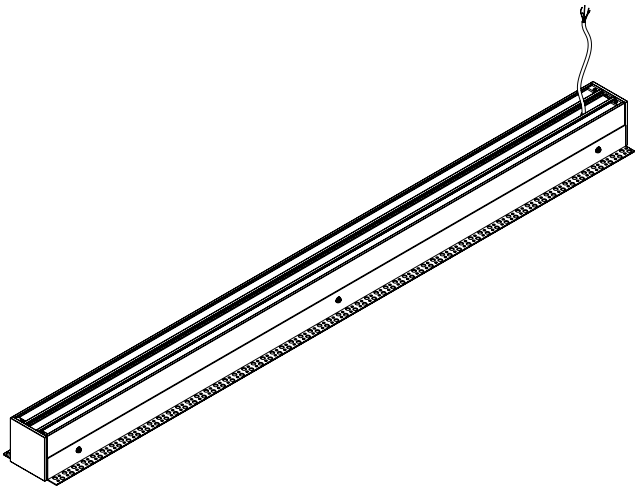


Project:	Type:
	Comments:

Recessed (mud-in)

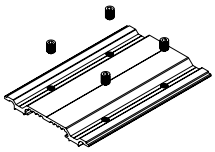






Project:	Type:
	Comments:

Connectors

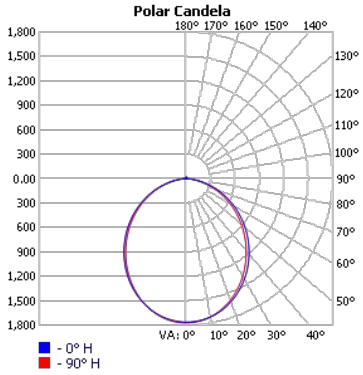






Project:	Type:
	Comments:

Photometrics

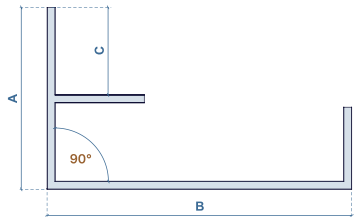


Direct

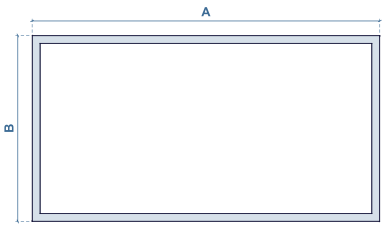
Project:	Type:
	Comments:

Patterns Option Examples

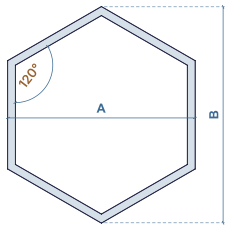
Custom pattern



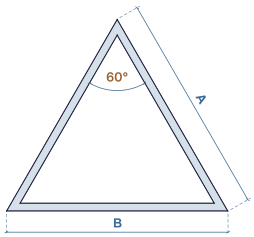
Rectangle



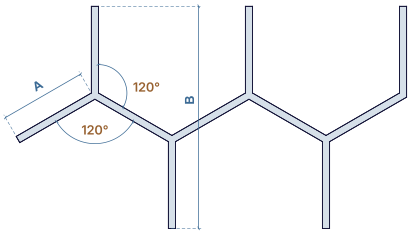
Hexagon



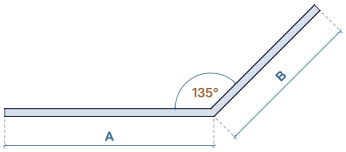
Triangle



Zig-zag / Hex



One arm angle



techoLED®
BROOKLYN • NY

BX-3-R SERIES

Rev. Date: 11/05/2026

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

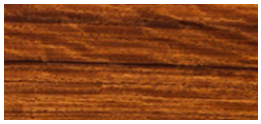
Custom Wooden Colors


American Walnut


Cherry


Maple

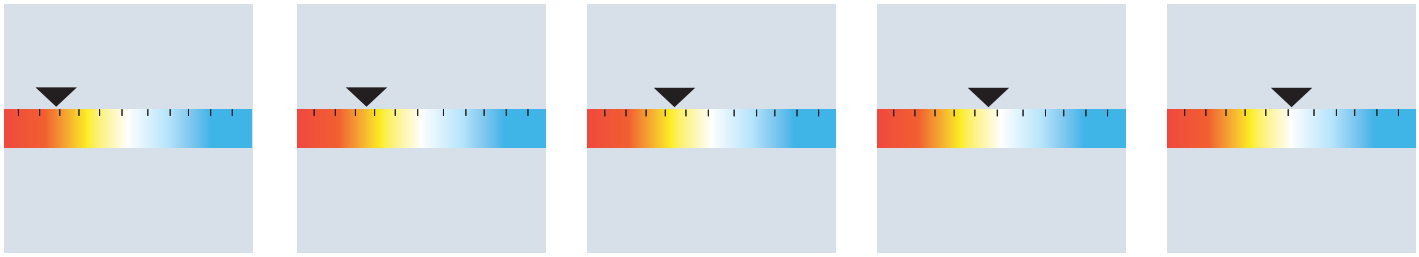

Light Oak


Palisander Santos

Project:	Type:
	Comments:

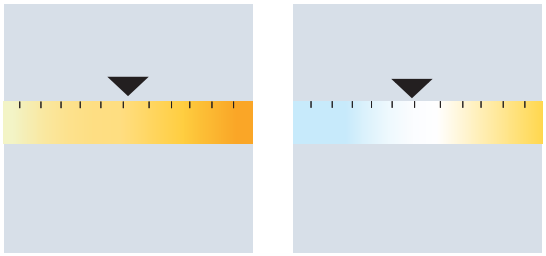
Color Temperature

Color Temperature



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

Tunable White



Dim To Warm | Tunable White