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BROOKLYN • NY

BX-1LH SERIES

Rev. Date: 10/20/2026

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, 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.

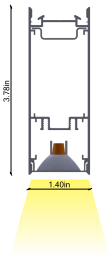
LED: Samsung LED chips, 2700-5000K, tunable white and RGB/RGBW available, 90CRI, 50,000 hour rated lifespan. Custom lumen packages available.

Optical: Direct illumination, multiple beam angles available, UGR<16

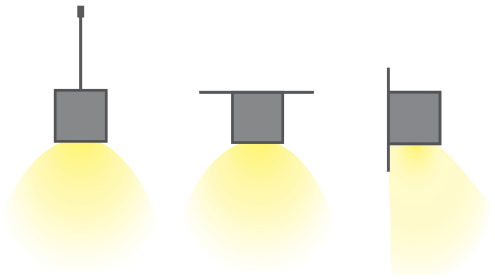
Construction: Damp location listed, high grade aluminum extrusion, die cast end caps, PMMA diffuser, powder coat finish. X, T, L lit corners, wall to ceiling transitions, for smooth seamless patterns.

5-year limited warranty

Cross Section



Installation



Pendant (P) | Surface Mount (SM) | Wall Mount (WM)

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Configuration Example

Model #	Distribution	Length	Lumen Output	Color Temp.	Beam Angle	Voltage
TECHOLED-BX-1LH-D-2-ME-27-15-U	Direct	2'	Medium	2700K	15°	110-277V

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-1LH	BX-1LH	D	Direct	2	2´	ME	Medium
				4	4´		
				6	6´		
				8	8´		
				C	Custom		

5-COLOR TEMP.		6-BEAM ANGLE		7-VOLTAGE		8-FINISH	
27	2700K	15	15°	U	110-277V	B	Black
30	3000K	30	30°	HV	347V	C	Custom (RAL#)
35	3500K	45	45°			S	Silver
40	4000K					W	White
50	5000K						
DT	Lutron T-series						
RGB	RGB						
RGBW	RGBW						
D	Tunable White						

9-MOUNTING		10-DRIVER OPTIONS		11-OPTIONS		12-OPTIONS (CONT.)	
P	Pendant	DM	0-10V Dimming	RF-D	Remote Tunable (RF only)	EM	EM Battery (remote)
SM	Surface Mount	2C	2 Channel	RF-R	Remote RGB/W (RF only)	X	None
W	Wall Mount	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	Color Temp.	Wattage	Lumen Output	Lumens / ft	Light Source
TECHOLED-BX-1LH-D-2-ME-30	2'	3000K	20W	1900Lm	475	20 spots
TECHOLED-BX-1LH-D-4-ME-30	4'	3000K	30W	2850Lm	475	30 spots
TECHOLED-BX-1LH-D-6-ME-30	6'	3000K	40W	3800Lm	475	40 spots
TECHOLED-BX-1LH-D-8-ME-30	8'	3000K	45W	4275Lm	475	45 spots

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

Performance

	Direct	
Output	Lumens / W	W / spot
Medium	95	1

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

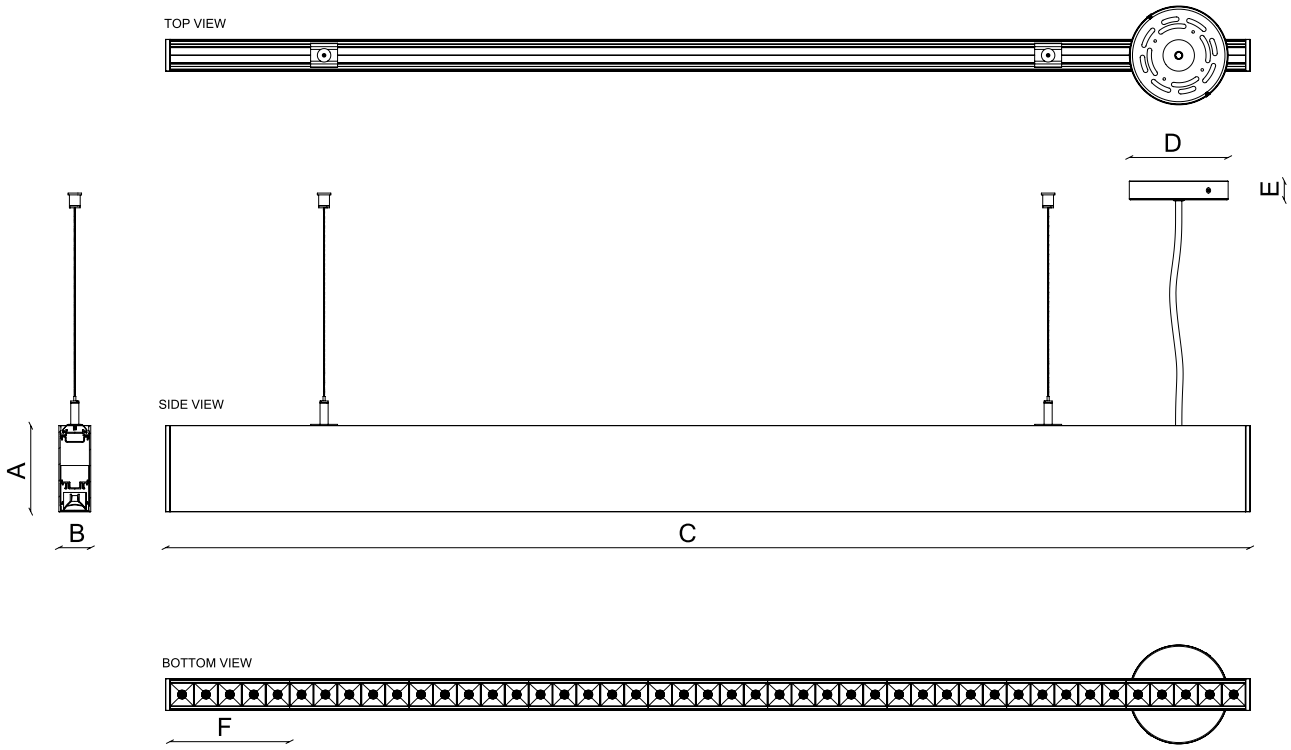
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Project:	Type:
	Comments:

Dimension and Mounting - Direct Distribution (D)



FIXTURE ID	A	B	C	D	E	F
BX-1LH-D-2	3.8"	1.4"	21.34"	4.33"	0.98"	5.21"
BX-1LH-D-3	3.8"	1.4"	31.81"	4.33"	0.98"	5.21"
BX-1LH-D-4	3.8"	1.4"	42.28"	4.33"	0.98"	5.21"
BX-1LH-D-5	3.8"	1.4"	47.52"	4.33"	0.98"	5.21"
BX-1LH-D-6	3.8"	1.4"	57.99"	4.33"	0.98"	5.21"
BX-1LH-D-7	3.8"	1.4"	73.70"	4.33"	0.98"	5.21"
BX-1LH-D-8	3.8"	1.4"	94.65"	4.33"	0.98"	5.21"

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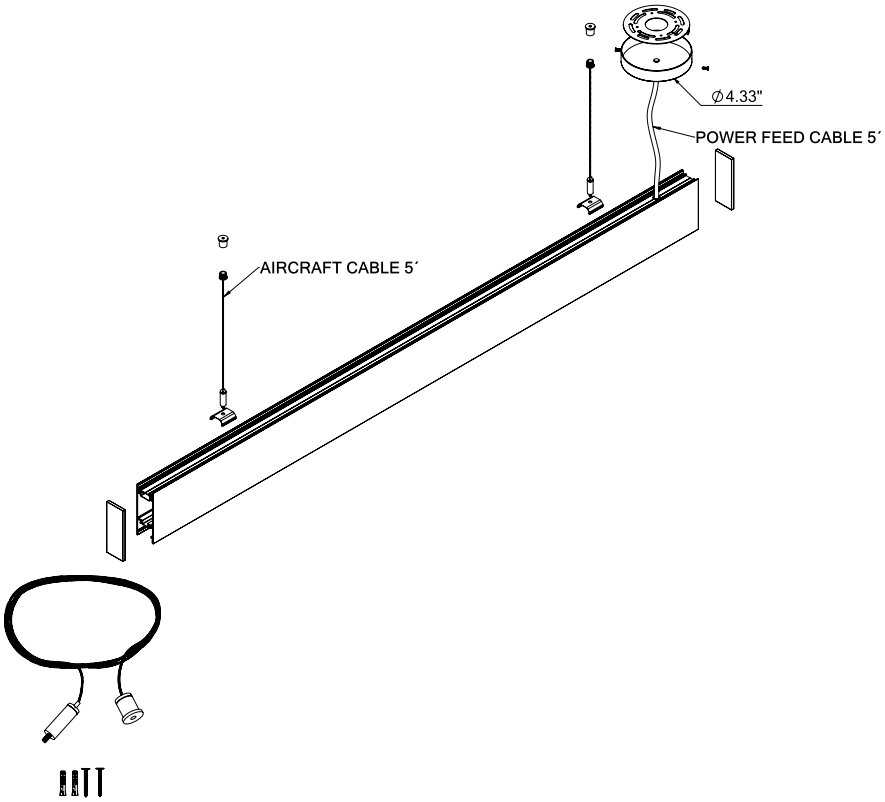
BX-1LH SERIES

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	Comments:

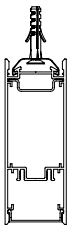
Pendant Mount (D)

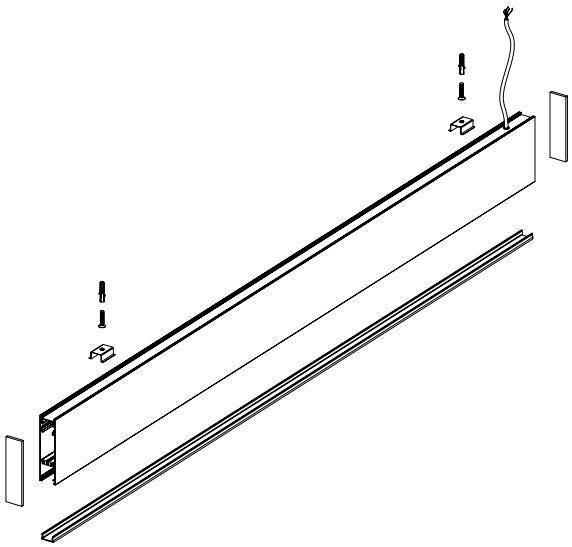




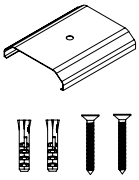
Pendant Kit

Surface Mount (D)



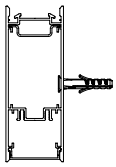


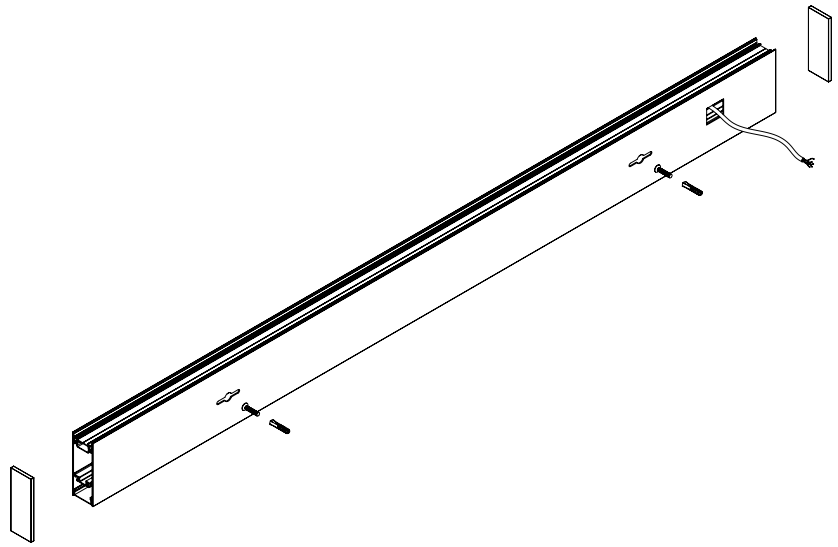
Surface Mount Kit



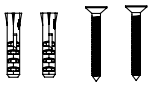
Project:	Type:
	Comments:

Wall Mount (D)



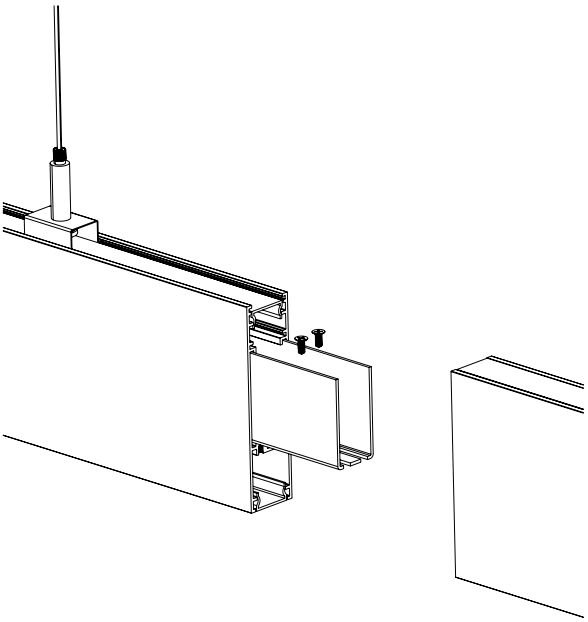


Wall Mount Kit



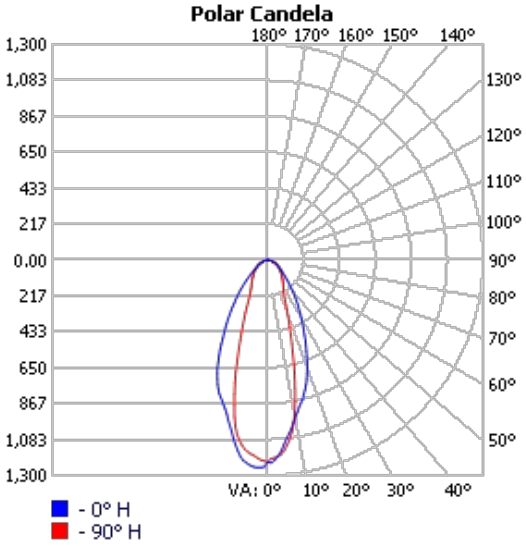
Project:	Type:
	Comments:

Connectors

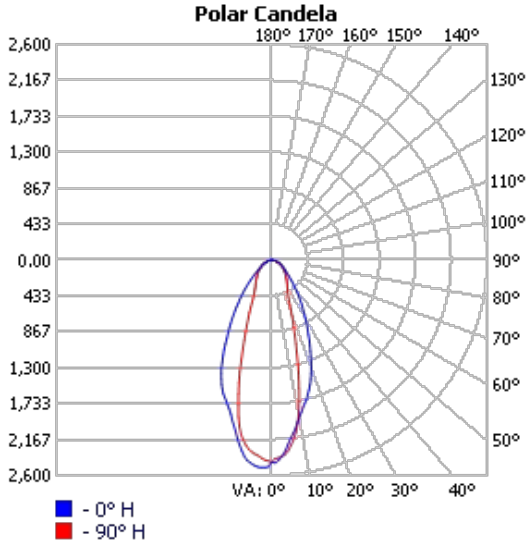


Project:	Type:
	Comments:

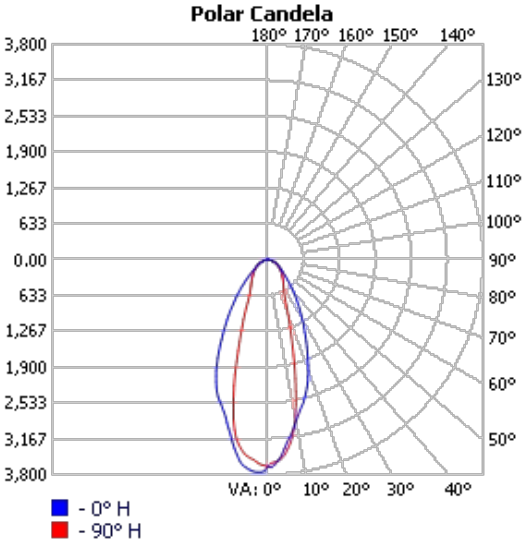
Photometrics



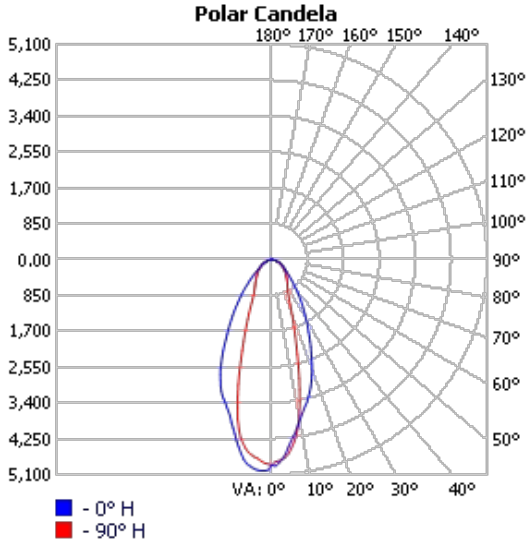
TECHOLED-BX-1LH-D-2-ME-30



TECHOLED-BX-1LH-D-4-ME-30



TECHOLED-BX-1LH-D-6-ME-30



TECHOLED-BX-1LH-D-8-ME-30

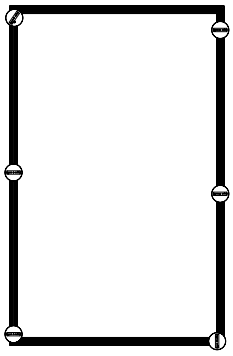
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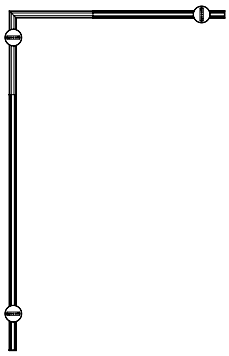
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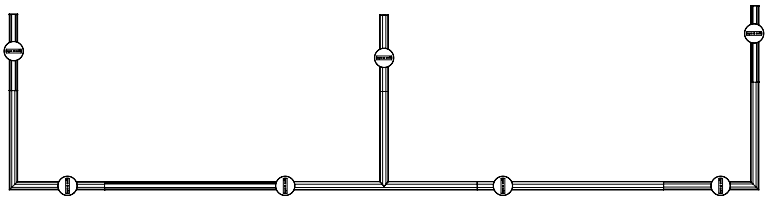
Patterns Option Examples



Rectangle

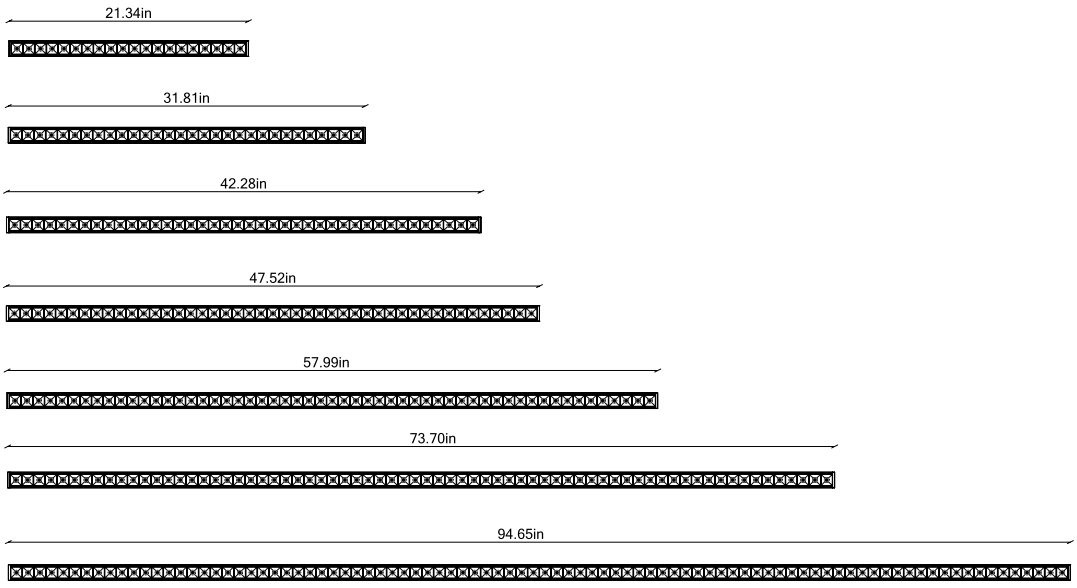


L-Shape



Custom

Configurations



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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

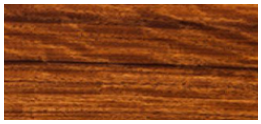
Custom Wooden Colors


American Walnut


Cherry


Maple

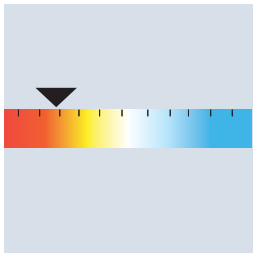

Light Oak


Palisander Santos

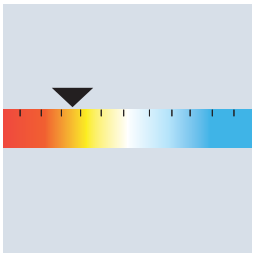
Project:	Type:
	Comments:

Color Temperature

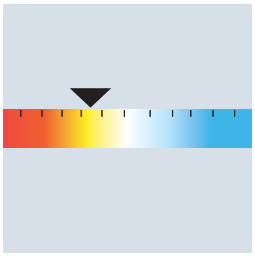
Color Temperature



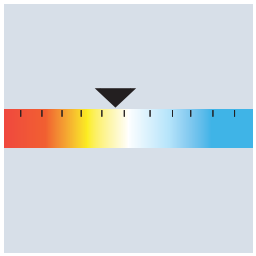
2700K



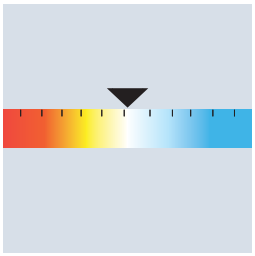
3000K



3500K

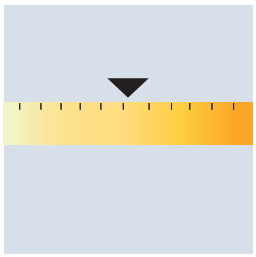


4000K

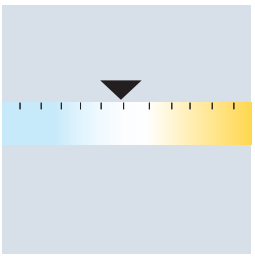


5000K

Tunable White



Dim To Warm



Tunable White