techoLED®
BROOKLYN • NY

BX-1-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, 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.

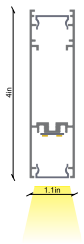
LED: Samsung LED chips, 2700-5000K, tunable white and RGB/RGBW available, 90CRI, 50,000 hour rated lifespan. Custom lumen packages available.

Optical: Direct illumination, 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.

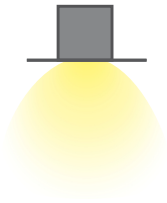
5-year limited warranty

Cross Section



Direct

Installation



Recessed
(R)

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Project:	Type:
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Configuration Example

Model #	Distribution	Length	Lumen Output	Color Temp.	Voltage	Color
TECHOLED-BX-1-R-D-2-LO-27-U-W	Direct	2'	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-1-R	BX-1-R	D	Direct	2	2´	LO	Low
		DWW	Direct, Wall Wash	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	PE	Perimeter
30	3000K	HV	347V	W	White	R	Recessed
35	3500K			B	Black	RP	Recessed (mud-in)
40	4000K			C	Custom (RAL#)	TG9	TG9
50	5000K					TG15	TG15
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 #	Length	Output	Color Temp.	Wattage	Lumen Output
TECHOLED-BX-1-R-D-2-LO-30	2'	Low	3000K	11W	1100Lm
TECHOLED-BX-1-R-D-2-ME-30	2'	Medium	3000K	15W	1500Lm
TECHOLED-BX-1-R-D-2-HI-30	2'	High	3000K	20W	2000Lm
TECHOLED-BX-1-R-D-4-LO-30	4'	Low	3000K	23W	2300Lm
TECHOLED-BX-1-R-D-4-ME-30	4'	Medium	3000K	30W	3000Lm
TECHOLED-BX-1-R-D-4-HI-30	4'	High	3000K	40W	4000Lm
TECHOLED-BX-1-R-D-6-LO-30	6'	Low	3000K	34W	3400Lm
TECHOLED-BX-1-R-D-6-ME-30	6'	Medium	3000K	46W	4600Lm
TECHOLED-BX-1-R-D-6-HI-30	6'	High	3000K	60W	6000Lm
TECHOLED-BX-1-R-D-8-LO-30	8'	Low	3000K	46W	4600Lm
TECHOLED-BX-1-R-D-8-ME-30	8'	Medium	3000K	61W	6100Lm
TECHOLED-BX-1-R-D-8-HI-30	8'	High	3000K	80W	8000Lm

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	5.7	570
Medium	100	7.6	760
High	100	10	1000

Project:	Type:
	Comments:

Driver Option Details

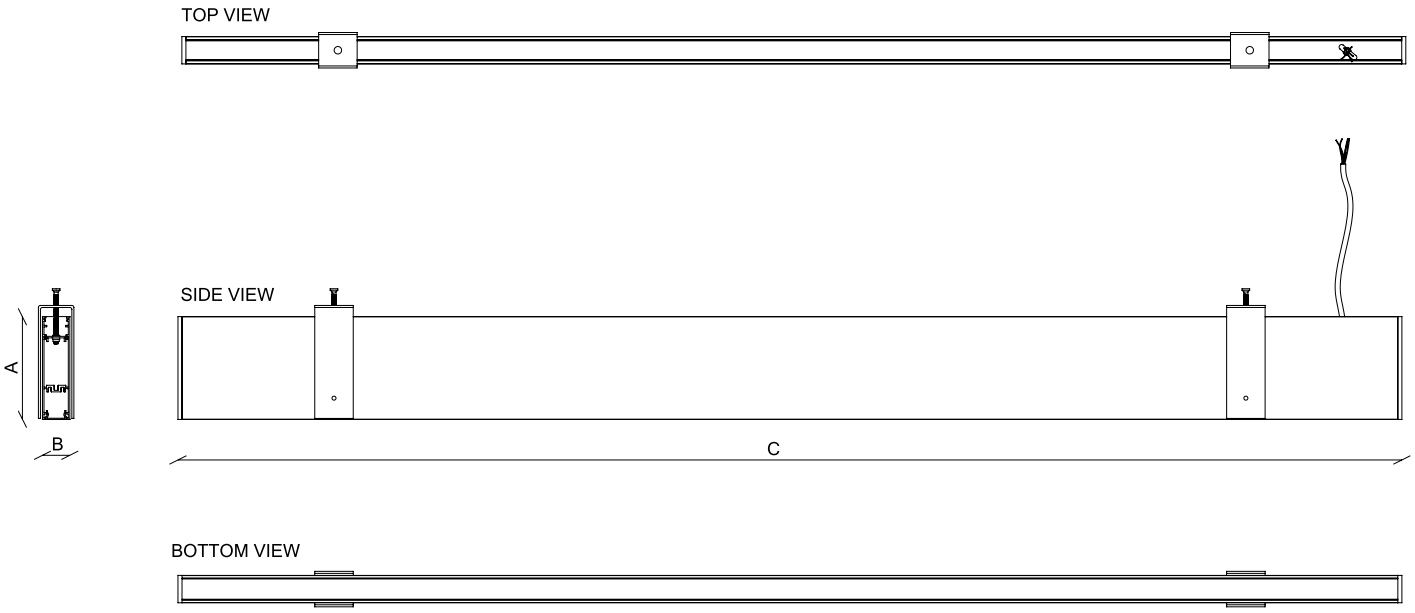
Code	Description
LT1	**LDE1** -Lutron Hi-lume 1% EcoSystem, Soft-on, Fade-to Black Dimming
DA	**DALI**
DMX	**DMX** - Decoder provided by TechoLED, controller by others

Controls Details

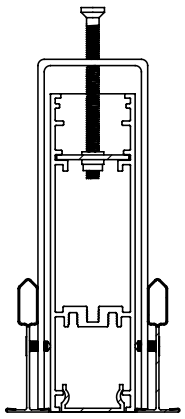
Code	Description
RF-D	**RF Wireless** remote controller for tunable white. **Default for tunable white.**
RF-R	**RF Wireless** remote controller for RGB & RGBW. **Default for RGB & RGBW.**
M	**Motion Sensor** - remote, for integral sensor consult factory
BM	**Bluetooth Mesh** Smart Wireless Control by 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:
	Comments:

Dimension and Mounting - Direct Distribution (D) - T-grid



FIXTURE ID	A	B	C	D	E
BX-1-R-D-2	4"	1.1"	24"	4.33"	0.98"
BX-1-R-D-4	4"	1.1"	48"	4.33"	0.98"
BX-1-R-D-6	4"	1.1"	72"	4.33"	0.98"
BX-1-R-D-8	4"	1.1"	96"	4.33"	0.98"



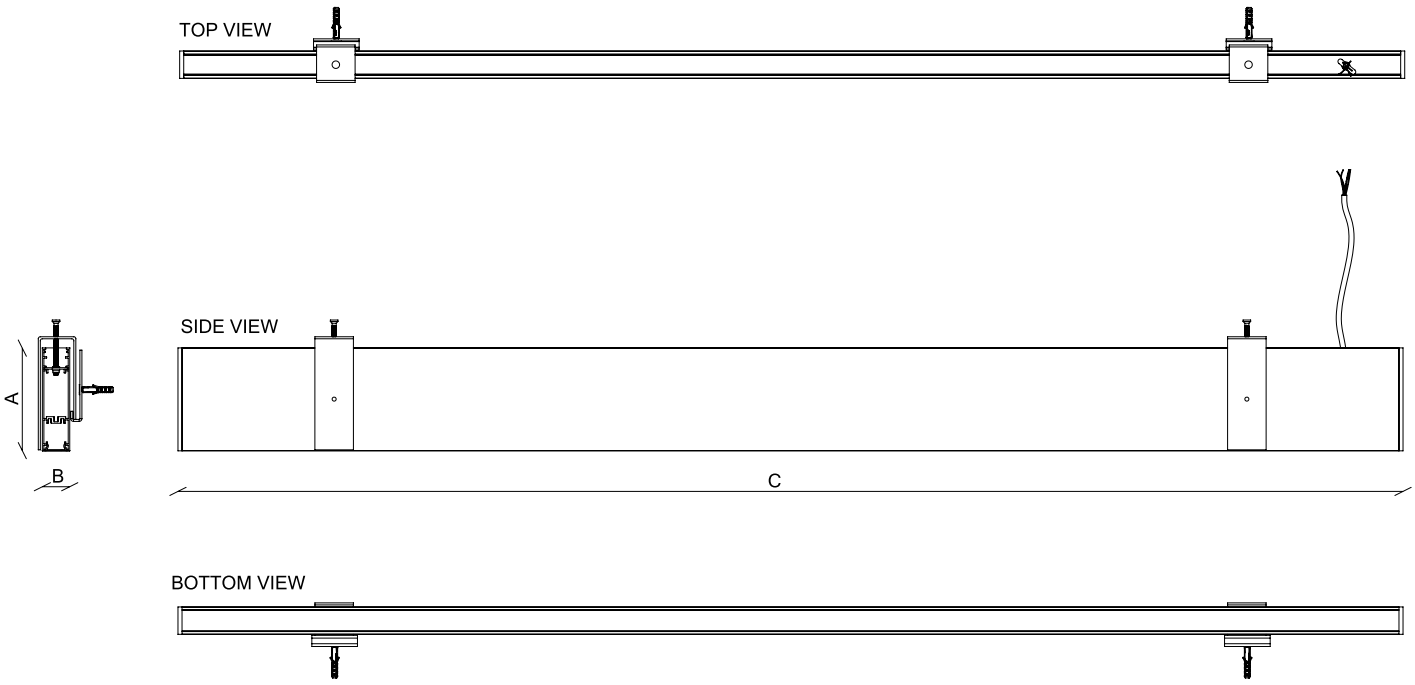
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BX-1-R SERIES

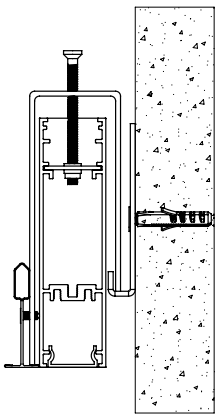
Rev. Date: 11/05/2026

Project:	Type:
	Comments:

Dimension and Mounting - Direct Distribution (D) - Recessed Perimeter



FIXTURE ID	A	B	C	D	E
BX-1-R-D-2	4"	1.1"	24"	4.33"	0.98"
BX-1-R-D-4	4"	1.1"	48"	4.33"	0.98"
BX-1-R-D-6	4"	1.1"	72"	4.33"	0.98"
BX-1-R-D-8	4"	1.1"	96"	4.33"	0.98"



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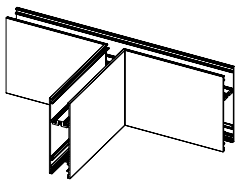
BX-1-R SERIES

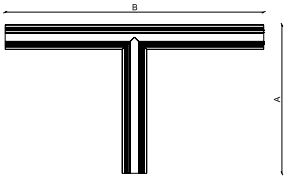
Rev. Date: 11/05/2026

Project:	Type:
	Comments:

Connectors

BX-1-R (T-shape) - connector

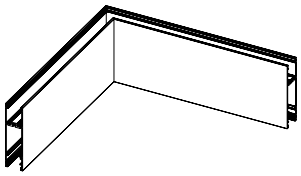


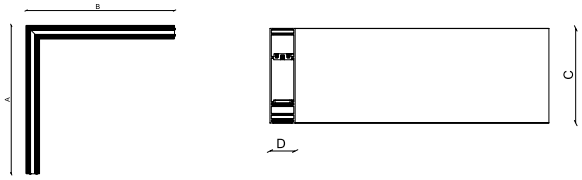


(T-shape)	Connector
A	6.4"
B	11.2"
C	4"
D	1.1"

Not to scale

BX-1-R (L-shape) - connector

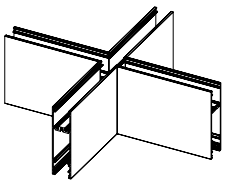


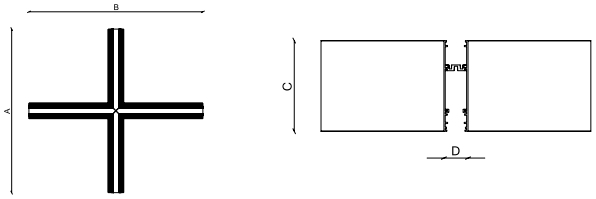


(L-shape)	Connector
A	11.8"
B	11.8"
C	4"
D	1.1"

Not to scale

BX-1-R (X-shape) - connector

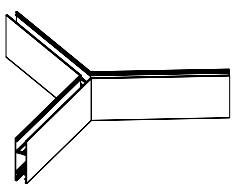


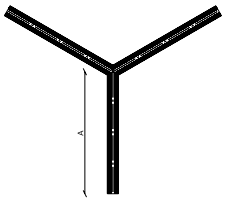


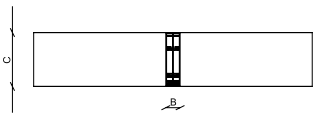
(X-shape)	Connector
A	11.2"
B	11.89"
C	4"
D	1.1"

Not to scale

BX-1-R (Y-shape) - connector





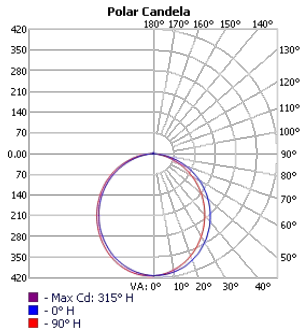


(Y-shape)	Connector
A	11.6"
B	6"
C	4"
D	1.1"

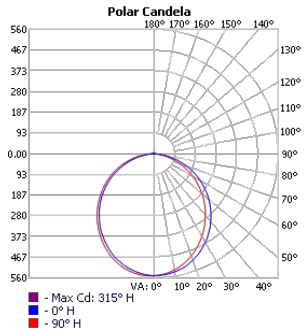
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Project:	Type:
	Comments:

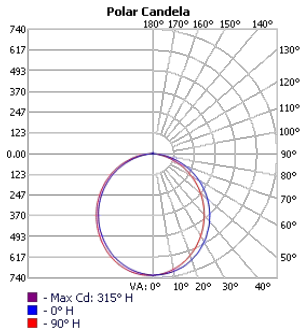
Photometrics



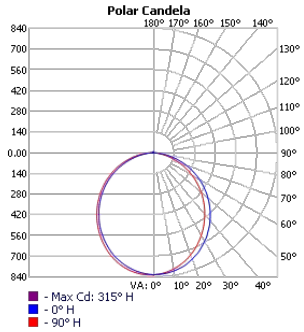
TECHOLED-BX-1-R-D-2-LO-30



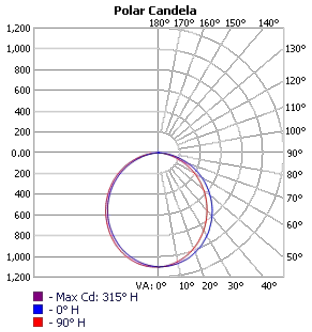
TECHOLED-BX-1-R-D-2-ME-30



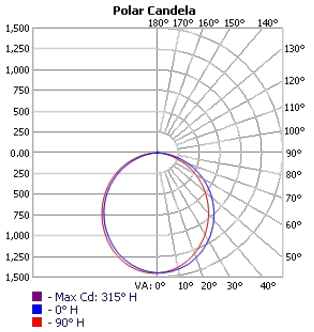
TECHOLED-BX-1-R-D-2-HI-30



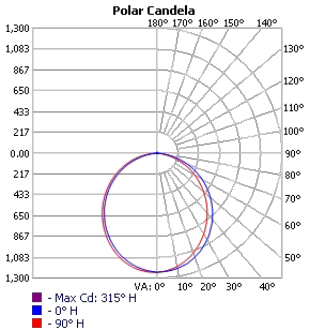
TECHOLED-BX-1-R-D-4-LO-30



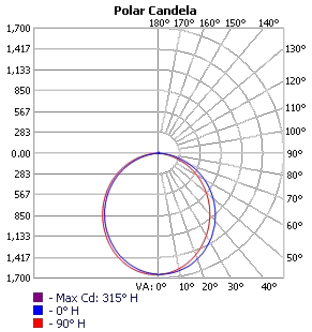
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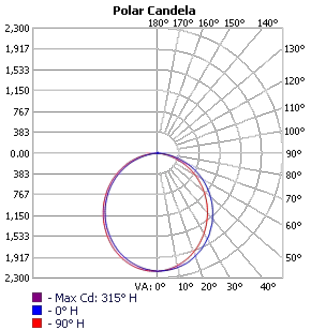
TECHOLED-BX-1-R-D-4-HI-30



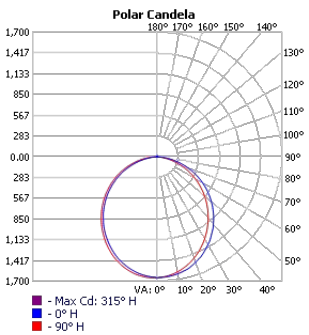
TECHOLED-BX-1-R-D-6-LO-30



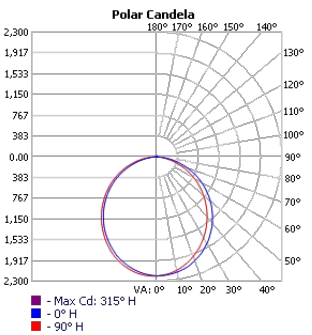
TECHOLED-BX-1-R-D-6-ME-30



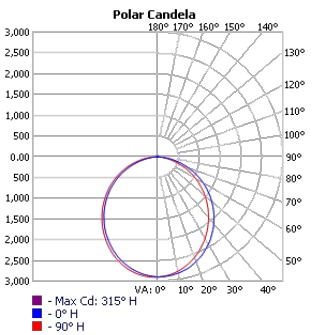
TECHOLED-BX-1-R-D-6-HI-30



TECHOLED-BX-1-R-D-8-LO-30



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

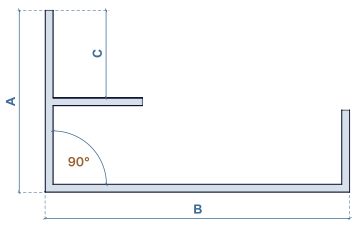


TECHOLED-BX-1-R-D-8-HI-30

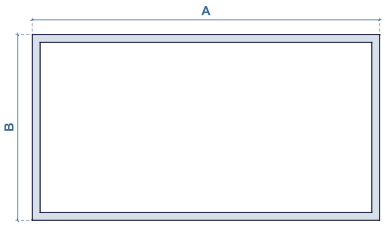
Project:	Type:
	Comments:

Patterns Option Examples

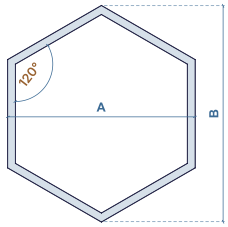
Custom pattern



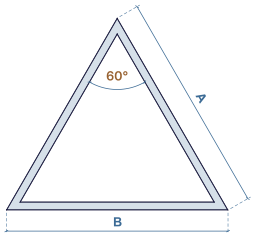
Rectangle



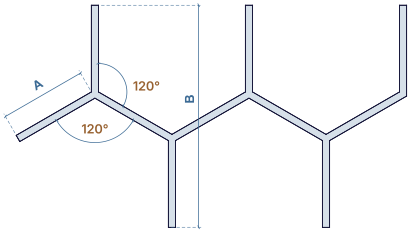
Hexagon



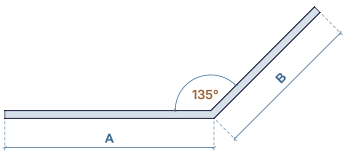
Triangle



Zig-zag / Hex



One arm angle



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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

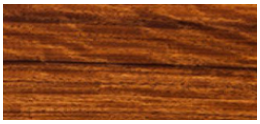
Custom Wooden Colors


American Walnut


Cherry


Maple


Light Oak


Palisander Santos

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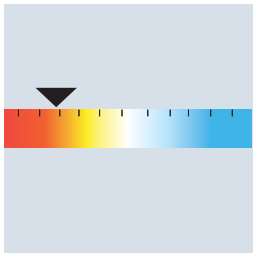
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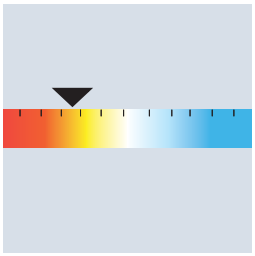
Project:	Type:
	Comments:

Color Temperature

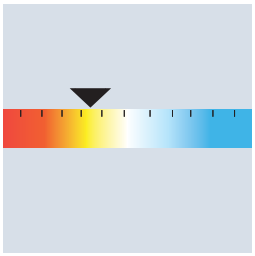
Color Temperature



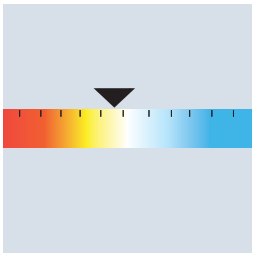
2700K



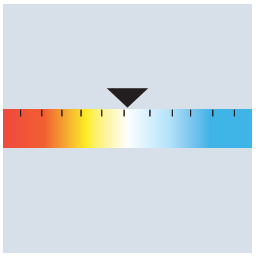
3000K



3500K

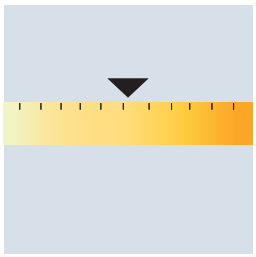


4000K

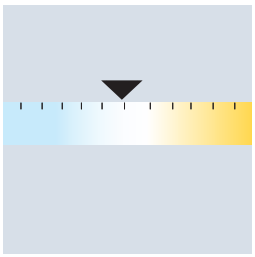


5000K

Tunable White



Dim To Warm



Tunable White