

Project:	Type:
	Comments:



▣ Highlights

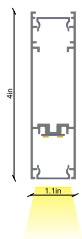
The TechoLED BX series features specification-grade linear LED fixtures made from high-grade aluminum extrusions. Available in standard sizes from 2 to 8 feet, as well as custom lengths, these fixtures can be pendant, surface, or wall-mounted. With virtually limitless options for creating patterns and 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.

▣ Cross Section



Direct

▣ Installation



Recessed (R)

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	AWN 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	1140Lm
TECHOLED-BX-1-R-D-2-ME-30	2'	Medium	3000K	15W	1520Lm
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	2280Lm
TECHOLED-BX-1-R-D-4-ME-30	4'	Medium	3000K	30W	3040Lm
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	3420Lm
TECHOLED-BX-1-R-D-6-ME-30	6'	Medium	3000K	46W	4560Lm
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	4560Lm
TECHOLED-BX-1-R-D-8-ME-30	8'	Medium	3000K	61W	6080Lm
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

Output	Lumens / W	Direct	
		W / ft	Lumens / ft
Low	100	5.7	570
Medium	100	7.6	760
High	100	10	1000

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Driver Option Details

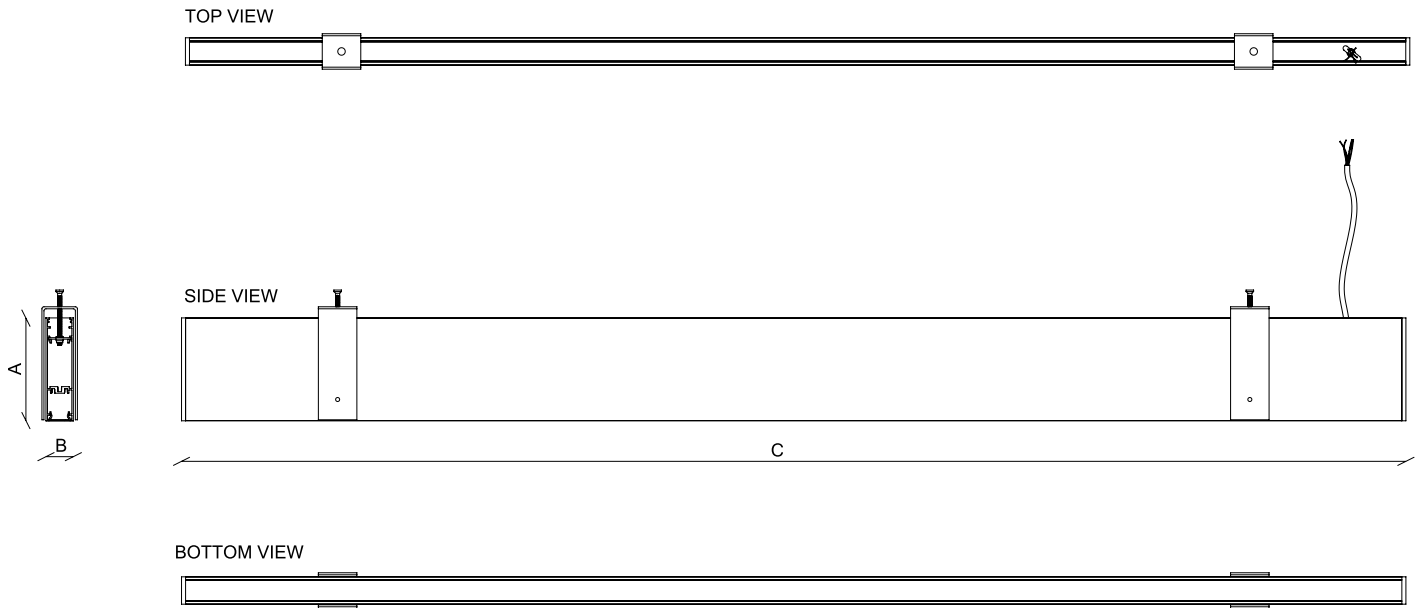
Code	Description
LT1	LDE1 -Lutron Hi-lume 1% EcoSystem, Soft-on, Fade-to Black Dimming
DA	DALI
DMX	DMX - Decoder provided by TechoLED, controller by others

Controls Details

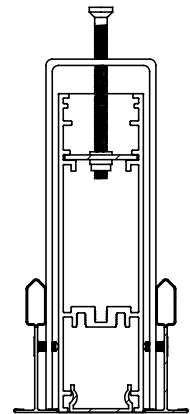
Code	Description
RF-D	RF Wireless remote controller for tunable white. Default for tunable white.
RF-R	RF Wireless remote controller for RGB & RGBW. Default for RGB & RGBW.
M	Motion Sensor - remote, for integral sensor consult factory
BM	Bluetooth Mesh Smart Wireless Control by BubblyNet
CS	Bluetooth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

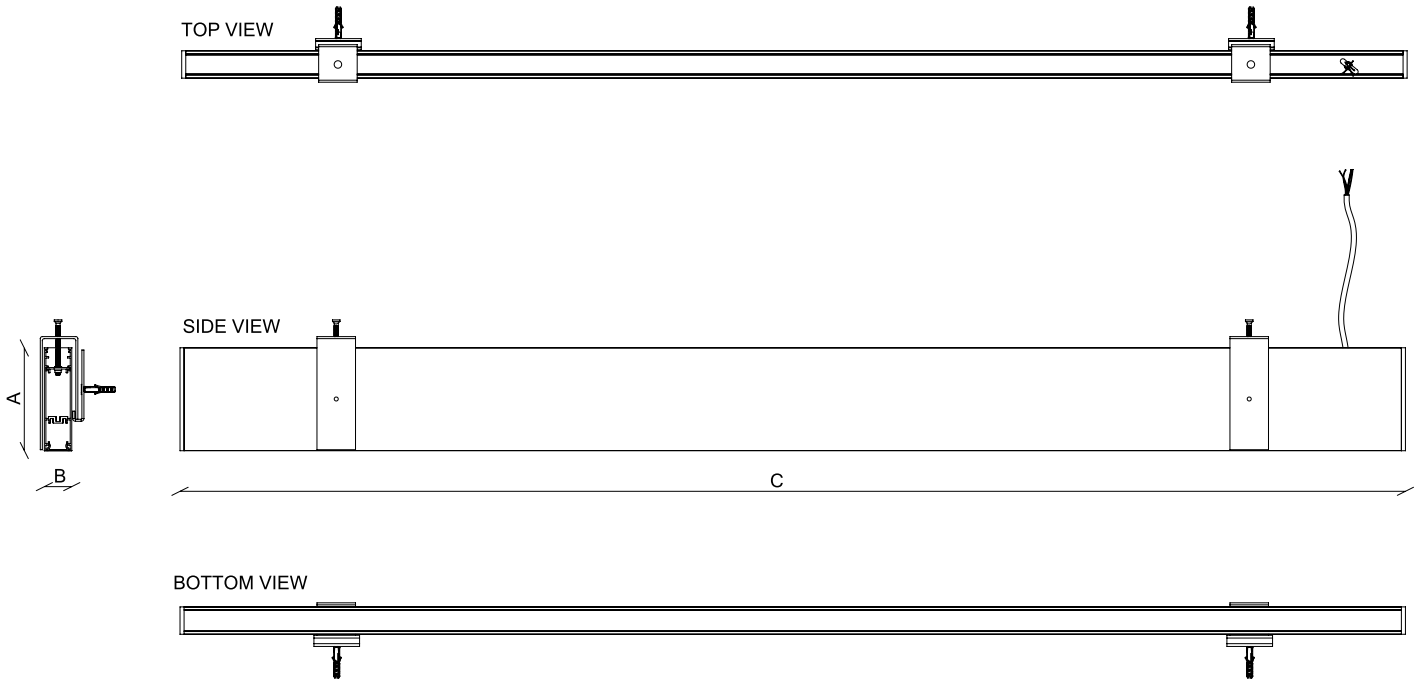


FIXTURE ID	A	B	C	D	E
BX-1-R-D-2	4"	1.1"	24"	4.33"	0.98"
BX-1-R-D-4	4"	1.1"	48"	4.33"	0.98"
BX-1-R-D-6	4"	1.1"	72"	4.33"	0.98"
BX-1-R-D-8	4"	1.1"	96"	4.33"	0.98"

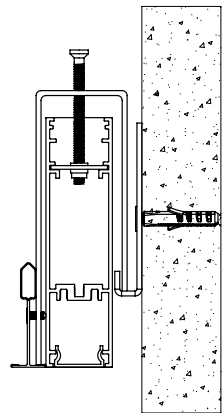


Project:	Type:
	Comments:

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



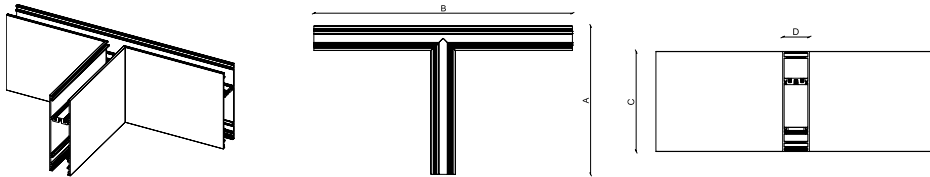
FIXTURE ID	A	B	C	D	E
BX-1-R-D-2	4"	1.1"	24"	4.33"	0.98"
BX-1-R-D-4	4"	1.1"	48"	4.33"	0.98"
BX-1-R-D-6	4"	1.1"	72"	4.33"	0.98"
BX-1-R-D-8	4"	1.1"	96"	4.33"	0.98"



Project:	Type:
	Comments:

Connectors

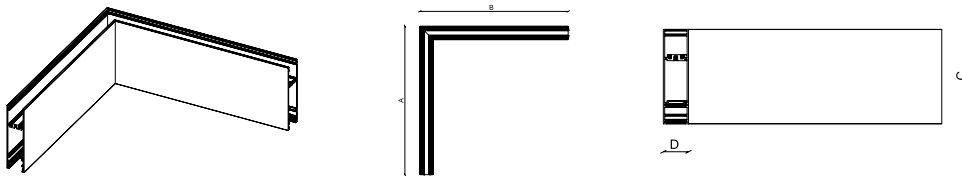
■ BX-1-R (T-shape) - connector



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

Not to scale

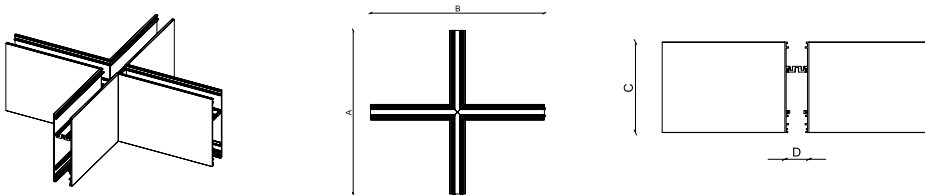
■ BX-1-R (L-shape) - connector



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

Not to scale

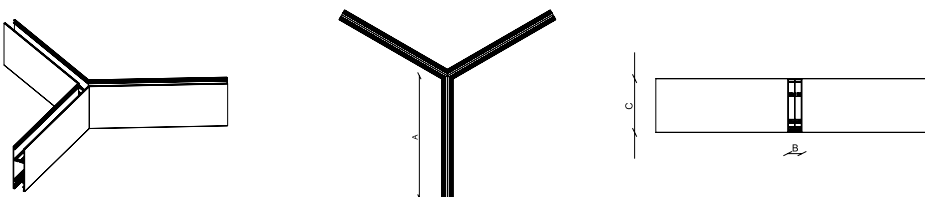
■ BX-1-R (X-shape) - connector



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

Not to scale

■ BX-1-R (Y-shape) - connector

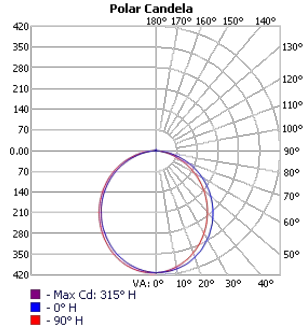


(Y-shape)	Connector
A	11.6"
B	6"
C	4"
D	1.1"

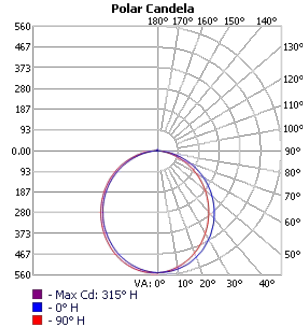
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Project:	Type:
Comments:	

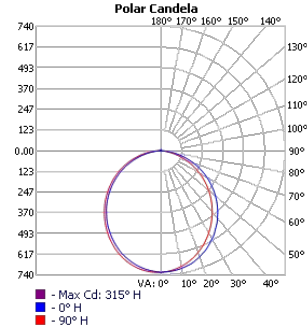
Photometrics



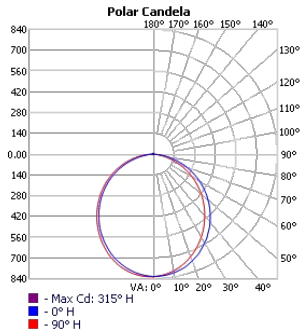
TECHOLED-BX-1-R-D-2-LO-30



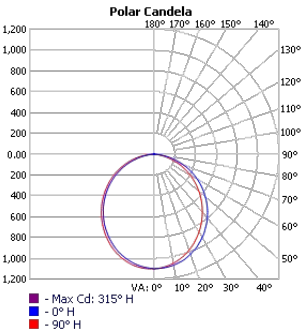
TECHOLED-BX-1-R-D-2-ME-30



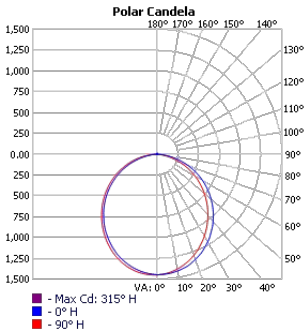
TECHOLED-BX-1-R-D-2-HI-30



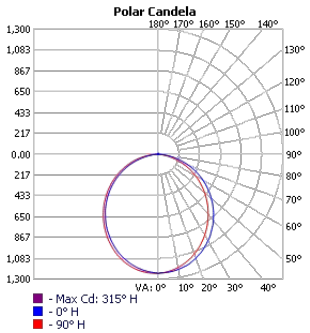
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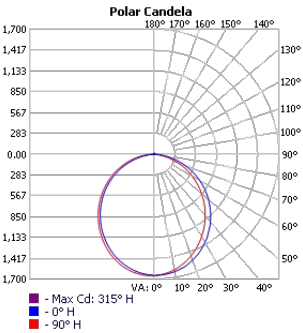
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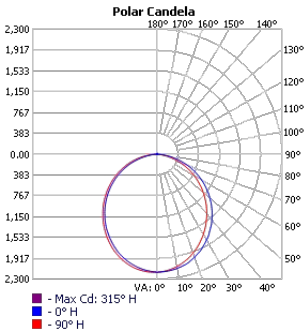
TECHOLED-BX-1-R-D-4-HI-30



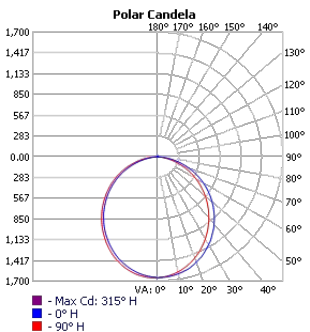
TECHOLED-BX-1-R-D-6-LO-30



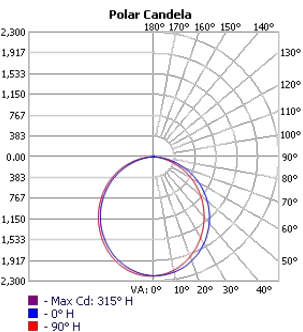
TECHOLED-BX-1-R-D-6-ME-30



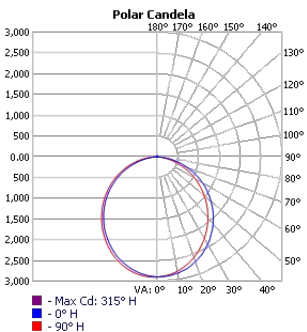
TECHOLED-BX-1-R-D-6-HI-30



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



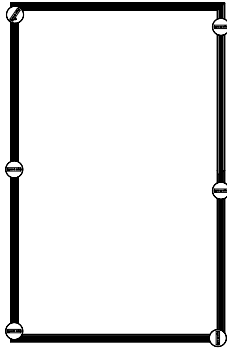
TECHOLED-BX-1-R-D-8-ME-30



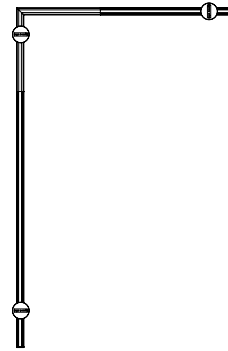
TECHOLED-BX-1-R-D-8-HI-30

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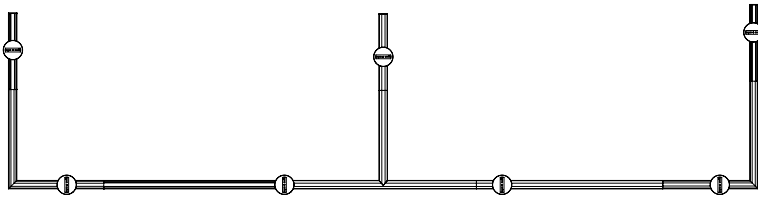
Patterns Option Examples



Rectangle



L-Shape

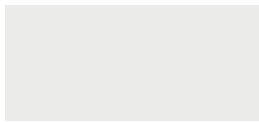


Custom

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

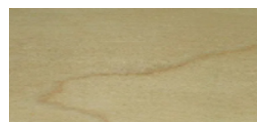
Custom Wooden Colors



American Walnut



Cherry



Maple



Light Oak

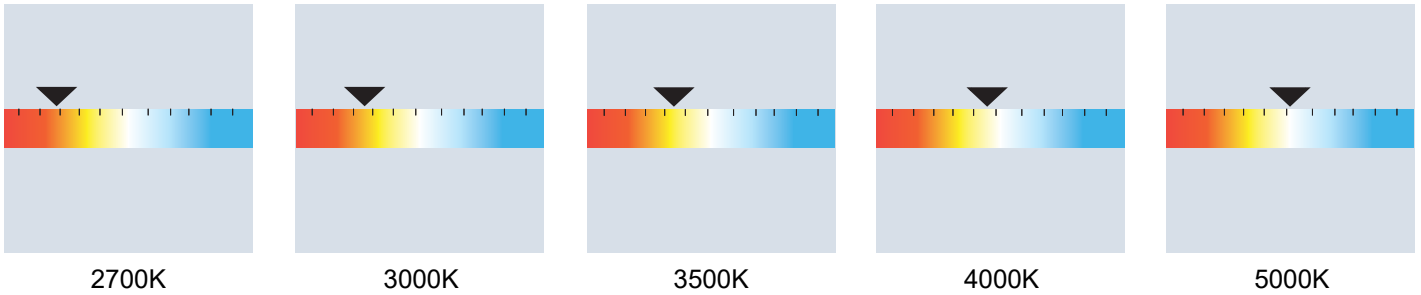


Palisander Santos

Project:	Type:
	Comments:

Color Temperature

Color Temperature



Tunable White

