techoLED®
BROOKLYN • NY

BX-1 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.

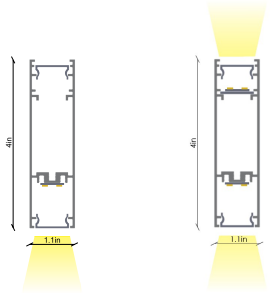
LED: Samsung LED chips, 2700-5000K, tunable white and RGB/RGBW available, 90CRI, 50,000 hour rated lifespan. Custom lumen packages available.

Optical: Direct and direct/indirect 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.

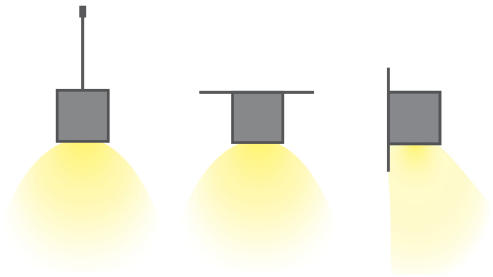
5-year limited warranty

Cross Section



Direct Indirect

Installation



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

Project:	Type:
	Comments:

Configuration Example

Model #	Distribution	Length	Lumen Output	Color Temp.	Voltage	Color
TECHOLED-BX-1-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	BX-1	**D**	Direct	**2**	2´	**LO**	Low
		DI	Direct/Indirect	**4**	4´	**ME**	Medium
		DI2	D/I2-circuit	**6**	6´	**HI**	High
		DWW	Direct, Wall Wash	**8**	8´		
				C	Custom		

5-COLOR TEMP.		6-VOLTAGE		7-FINISH		8-MOUNTING	
27	2700K	**U**	110-277V	**S**	Silver	**P**	Pendant
30	3000K	**HV**	347V	**W**	White	**W**	Wall Mount
35	3500K			**B**	Black	**SM**	Surface Mount
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		
		X	None		

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Lumen Output Details

Model #	Size	Output	Color Temp.	Wattage	Lumen Output
TECHOLED-BX-1-D-2-LO-30	2'	Low	3000K	11W	1100Lm
TECHOLED-BX-1-D-2-ME-30	2'	Medium	3000K	15W	1500Lm
TECHOLED-BX-1-D-2-HI-30	2'	High	3000K	20W	2000Lm
TECHOLED-BX-1-D-4-LO-30	4'	Low	3000K	23W	2300Lm
TECHOLED-BX-1-D-4-ME-30	4'	Medium	3000K	30W	3000Lm
TECHOLED-BX-1-D-4-HI-30	4'	High	3000K	40W	4000Lm
TECHOLED-BX-1-D-6-LO-30	6'	Low	3000K	34W	3400Lm
TECHOLED-BX-1-D-6-ME-30	6'	Medium	3000K	46W	4600Lm
TECHOLED-BX-1-D-6-HI-30	6'	High	3000K	60W	6000Lm
TECHOLED-BX-1-D-8-LO-30	8'	Low	3000K	46W	4600Lm
TECHOLED-BX-1-D-8-ME-30	8'	Medium	3000K	61W	6100Lm
TECHOLED-BX-1-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

Model #	Size	Output	Color Temp.	Wattage	Down Lumen Out.	Up Lumen Out.
TECHOLED-BX-1-DI-2-LO-30	2'	Low	3000K	17W	1140Lm	580Lm
TECHOLED-BX-1-DI-2-ME-30	2'	Medium	3000K	23W	1520Lm	760Lm
TECHOLED-BX-1-DI-2-HI-30	2'	High	3000K	30W	2000Lm	1000Lm
TECHOLED-BX-1-DI-4-LO-30	4'	Low	3000K	34W	2280Lm	1160Lm
TECHOLED-BX-1-DI-4-ME-30	4'	Medium	3000K	46W	3040Lm	1520Lm
TECHOLED-BX-1-DI-4-HI-30	4'	High	3000K	60W	4000Lm	2000Lm
TECHOLED-BX-1-DI-6-LO-30	6'	Low	3000K	51W	3420Lm	1740Lm
TECHOLED-BX-1-DI-6-ME-30	6'	Medium	3000K	68W	4560Lm	2280Lm
TECHOLED-BX-1-DI-6-HI-30	6'	High	3000K	90W	6000Lm	3000Lm
TECHOLED-BX-1-DI-8-LO-30	8'	Low	3000K	68W	4560Lm	2320Lm
TECHOLED-BX-1-DI-8-ME-30	8'	Medium	3000K	91W	6080Lm	3040Lm
TECHOLED-BX-1-DI-8-HI-30	8'	High	3000K	120W	8000Lm	4000Lm

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

Performance

	Direct			Indirect		
Output	Lumens / W	W / ft	Lumens / ft	Lumens / W	W / ft	Lumens / ft
Low	100	5.7	570	100	2.9	290
Medium	100	7.6	760	100	3.8	380
High	100	10	1000	100	5.0	500

Project:	Type:
	Comments:

Driver Option Details

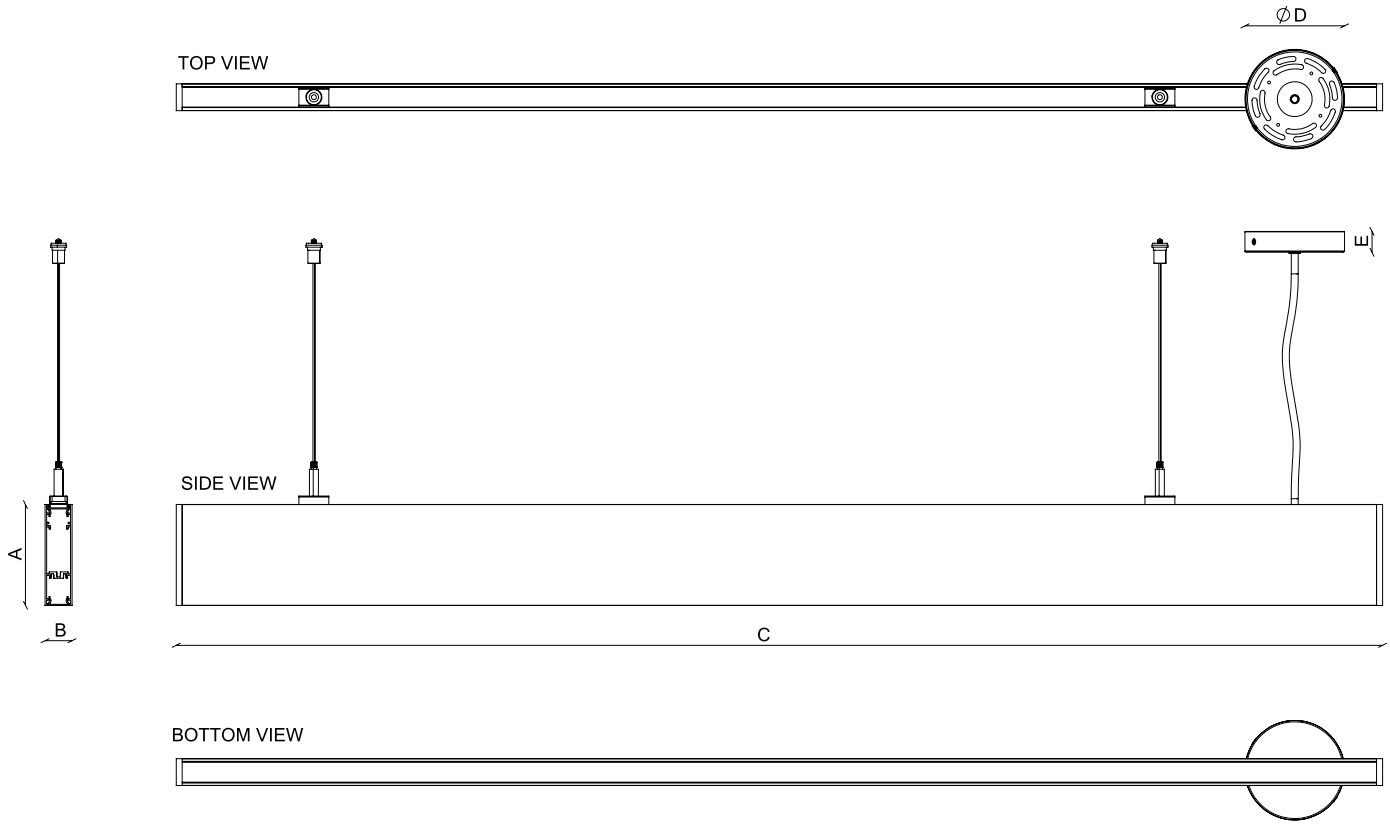
Code	Description
LT1	**LDE1** -Lutron Hi-lume 1% EcoSystem, Soft-on, Fade-to Black Dimming
DA	**DALI**
DMX	**DMX** - Decoder provided by TechoLED, controller by others

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)

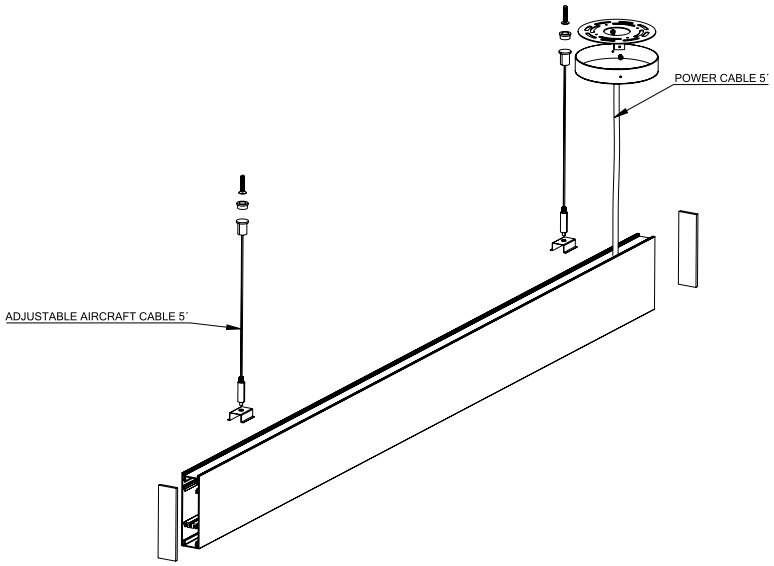


FIXTURE ID	A	B	C	D	E
BX-1-D-2	4"	1.1"	24"	4.33"	0.98"
BX-1-D-4	4"	1.1"	48"	4.33"	0.98"
BX-1-D-6	4"	1.1"	72"	4.33"	0.98"
BX-1-D-8	4"	1.1"	96"	4.33"	0.98"

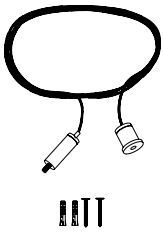
Project:	Type:
	Comments:

Pendant Mount (D)

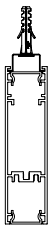


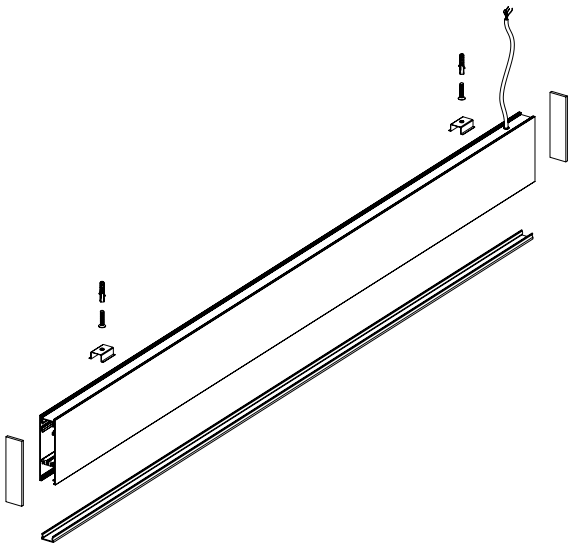


Pendant Kit

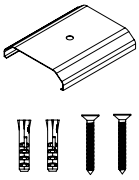


Surface Mount (D)



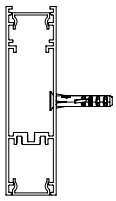


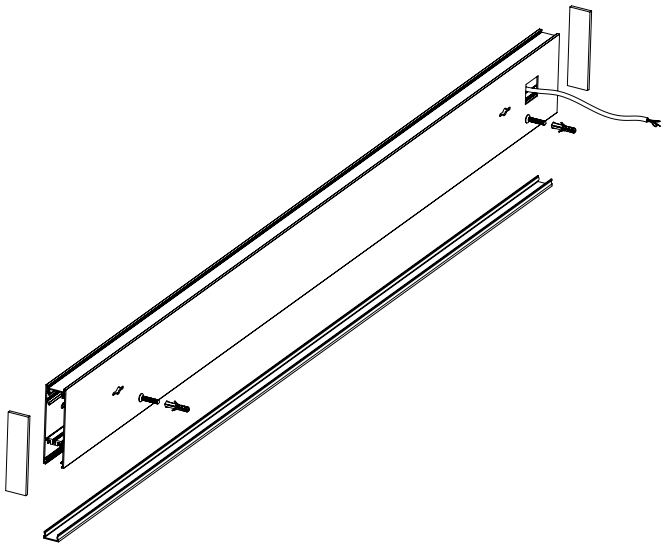
Surface Mount Kit



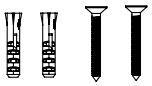
Project:	Type:
	Comments:

Wall Mount (D)



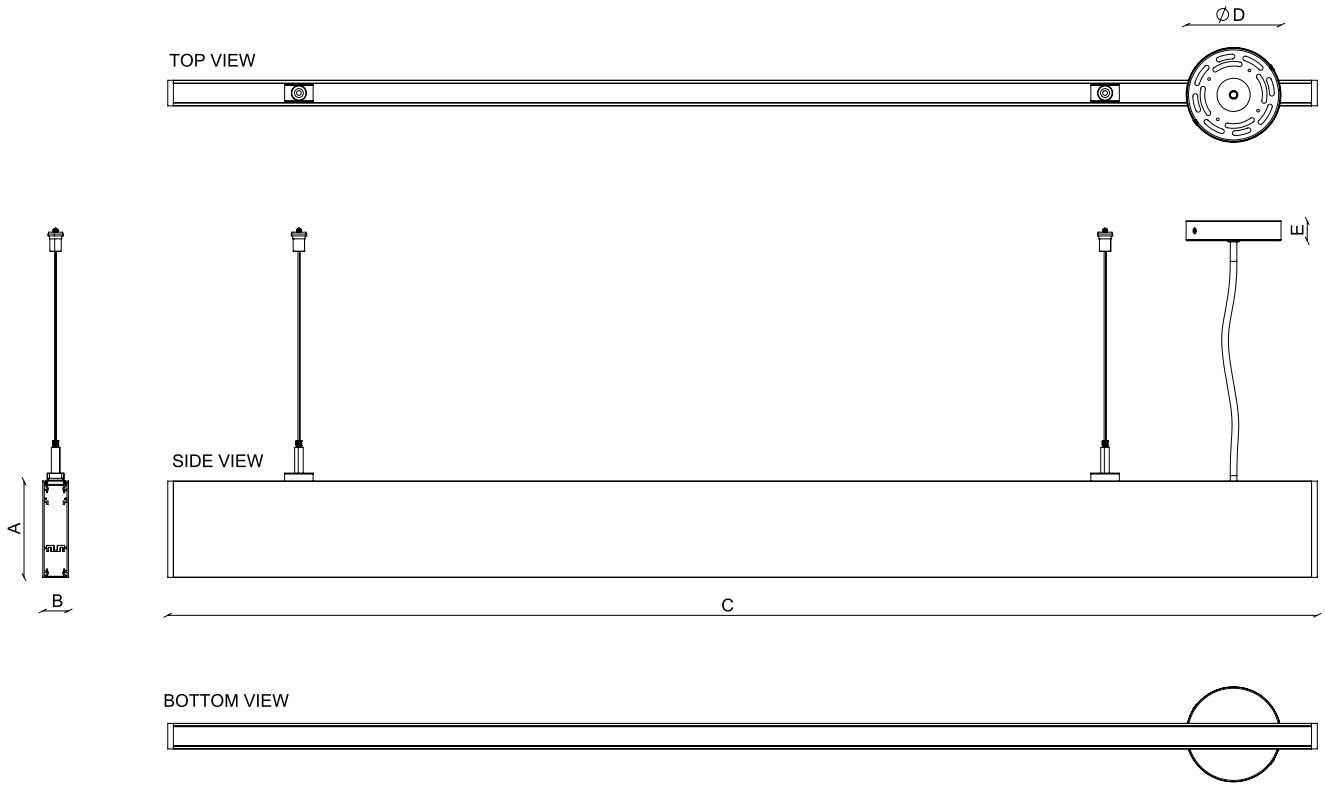


Wall Mount Kit



Project:	Type:
	Comments:

Dimension and Mounting - Direct/Indirect Distribution (DI)

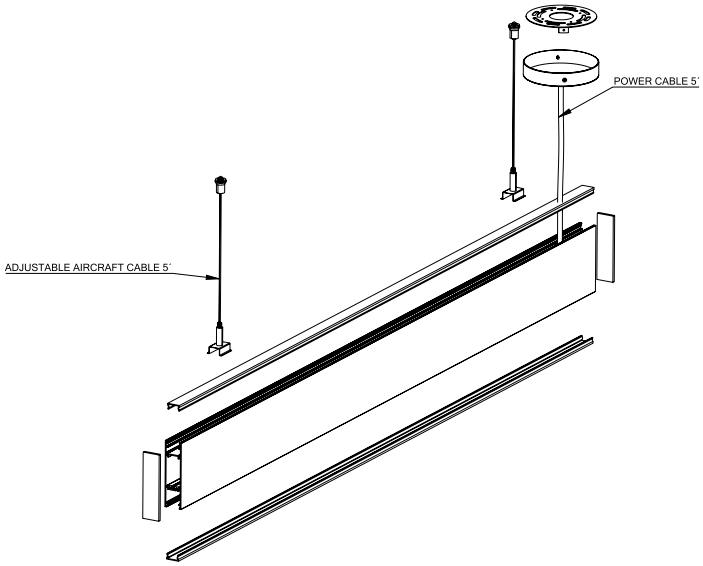


FIXTURE ID	A	B	C	D	E
BX-1-DI-2	4"	1.1"	24"	4.33"	0.98"
BX-1-DI-4	4"	1.1"	48"	4.33"	0.98"
BX-1-DI-6	4"	1.1"	72"	4.33"	0.98"
BX-1-DI-8	4"	1.1"	96"	4.33"	0.98"

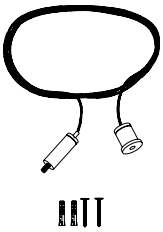
Project:	Type:
	Comments:

Pendant Mount (DI)

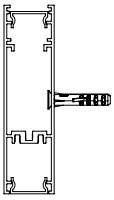


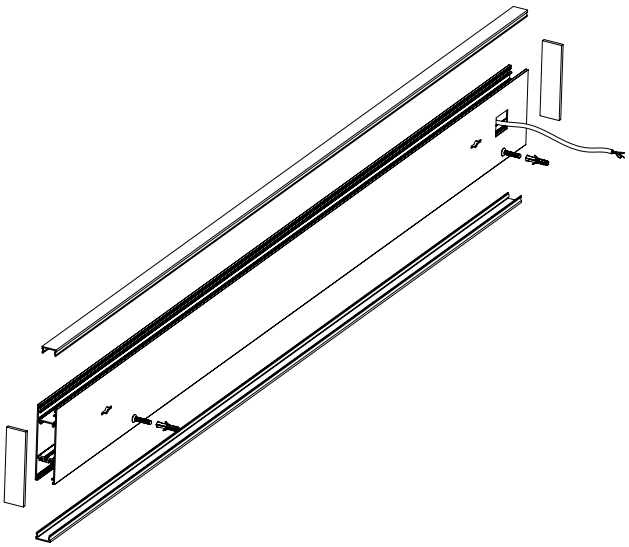


Pendant Kit

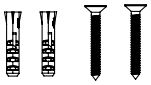


Wall Mount (DI)





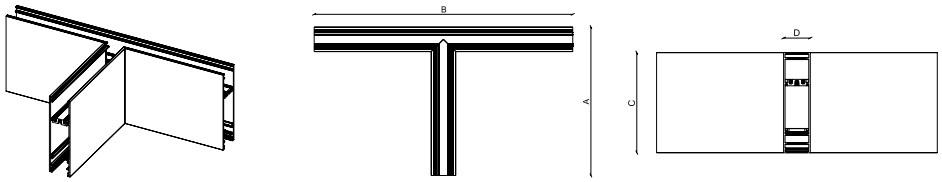
Wall Mount Kit



Project:	Type:
	Comments:

Connectors

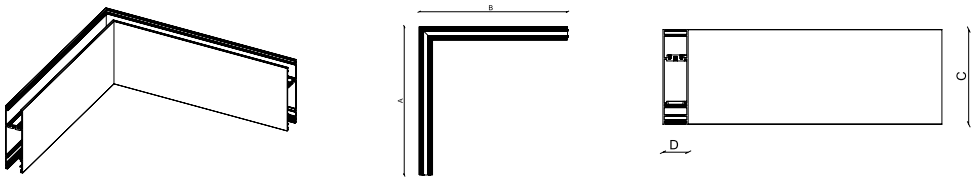
BX-1 (T-shape) - connector



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

Not to scale

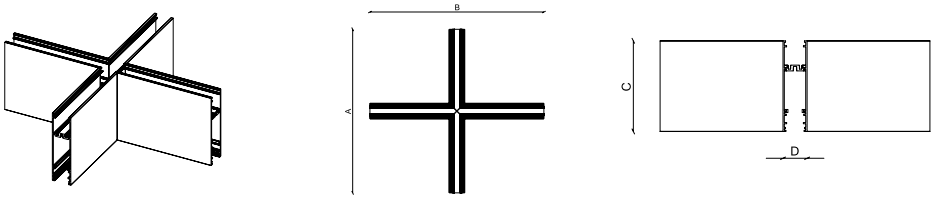
BX-1 (L-shape) - connector



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

Not to scale

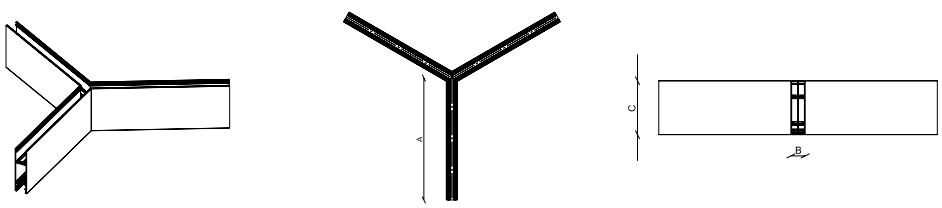
BX-1 (X-shape) - connector



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

Not to scale

BX-1 (Y-shape) - connector

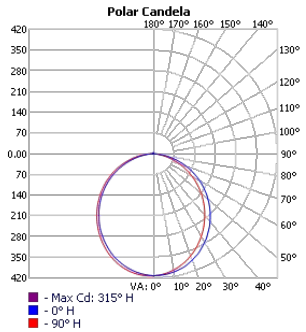


(Y-shape)	Connector
A	11.6"
B	6"
C	4"
D	1.1"

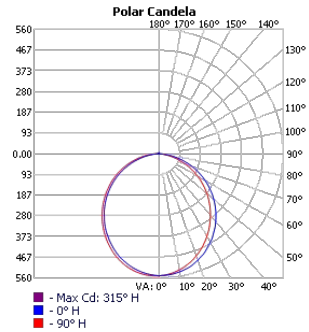
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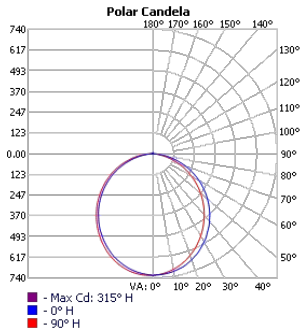
Photometrics



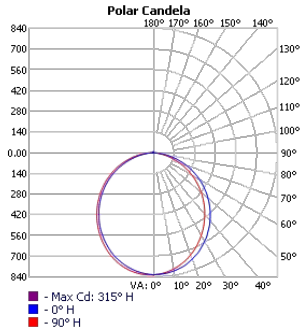
TECHOLED-BX-1-D-2-LO-30



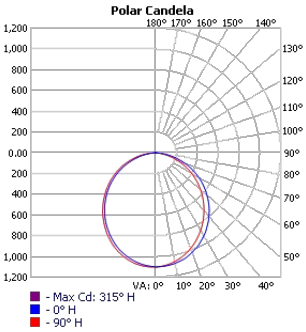
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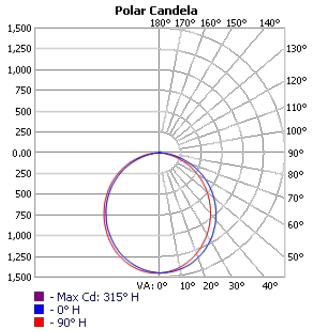
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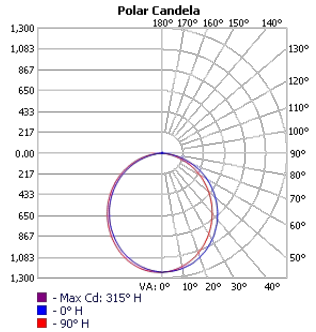
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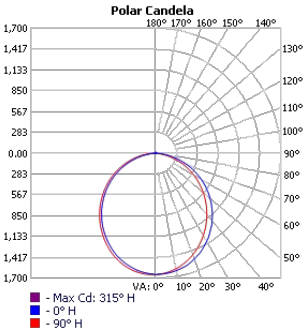
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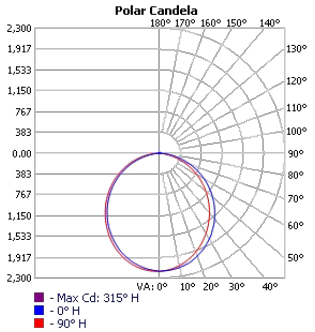
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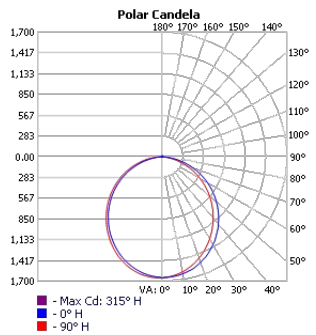
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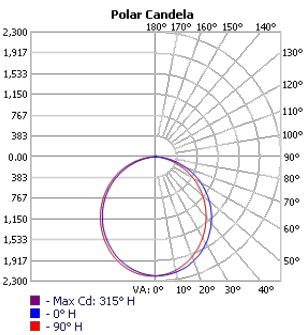
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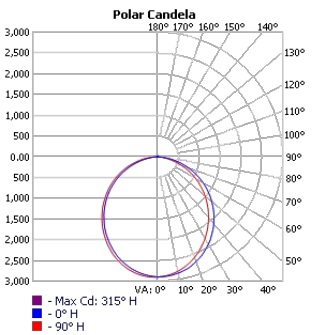
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TECHOLED-BX-1-D-8-LO-30



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



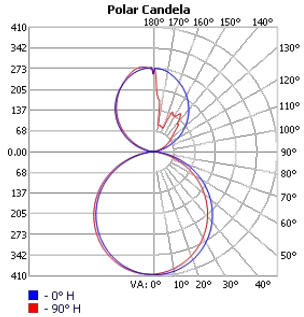
TECHOLED-BX-1-D-8-HI-30

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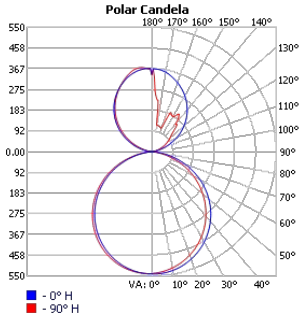
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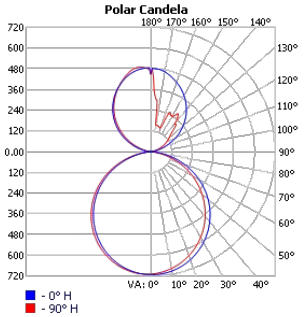
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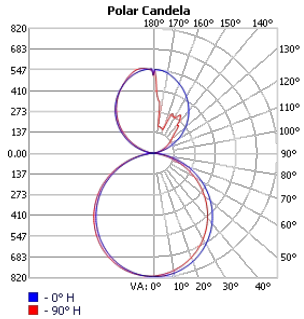
TECHOLED-BX-1-DI-2-LO-30



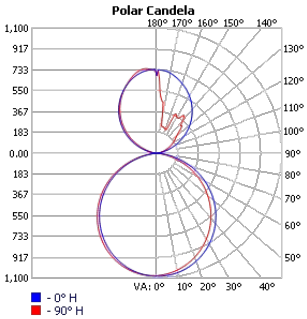
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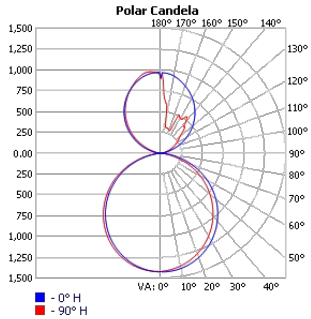
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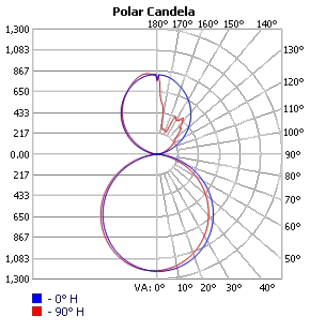
TECHOLED-BX-1-DI-4-LO-30



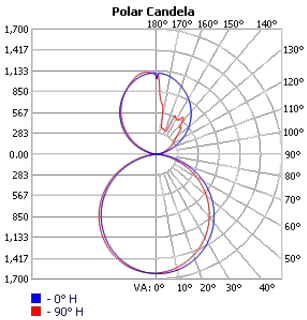
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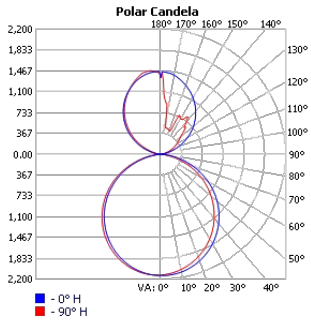
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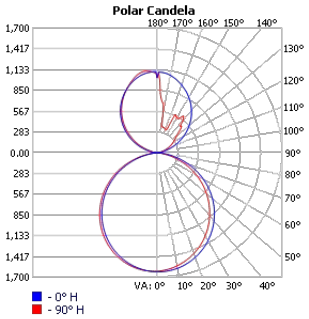
TECHOLED-BX-1-DI-6-LO-30



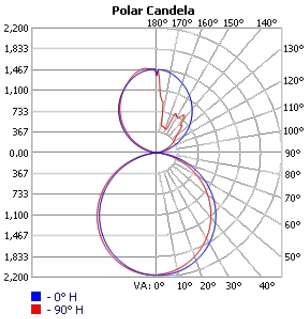
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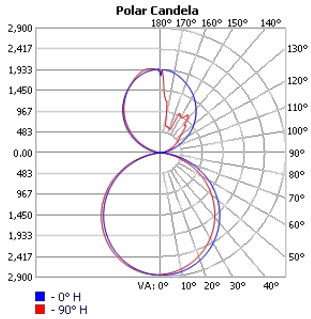
TECHOLED-BX-1-DI-6-HI-30



TECHOLED-BX-1-DI-8-LO-30



TECHOLED-BX-1-DI-8-ME-30

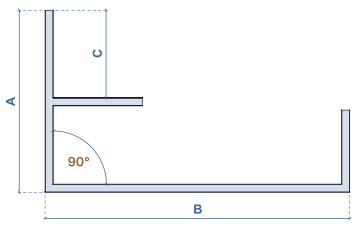


TECHOLED-BX-1-DI-8-HI-30

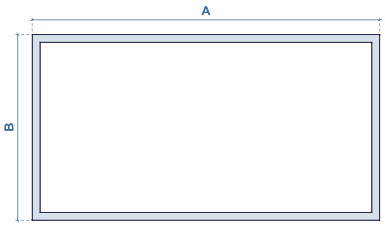
Project:	Type:
	Comments:

Patterns Option Examples

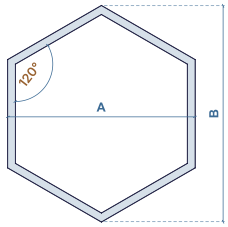
Custom pattern



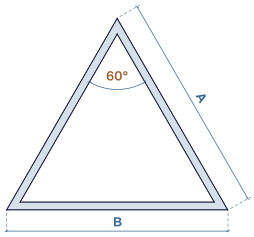
Rectangle



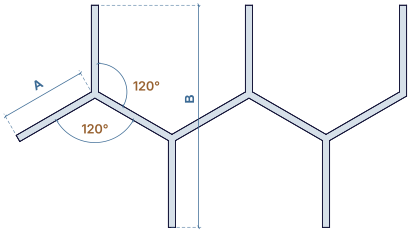
Hexagon



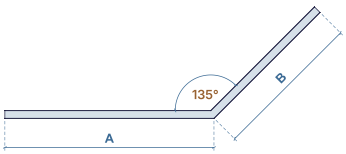
Triangle



Zig-zag / Hex



One arm angle



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

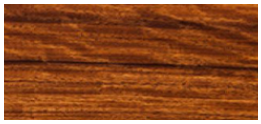
Custom Wooden Colors


American Walnut


Cherry


Maple

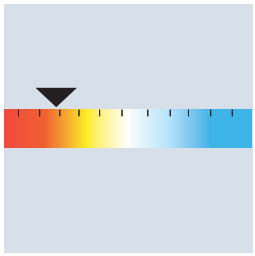

Light Oak


Palisander Santos

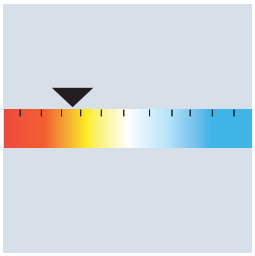
Project:	Type:
	Comments:

Color Temperature

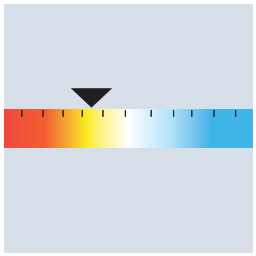
Color Temperature



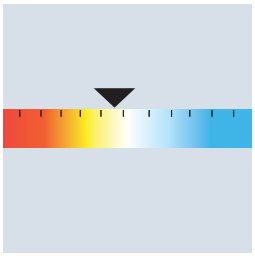
2700K



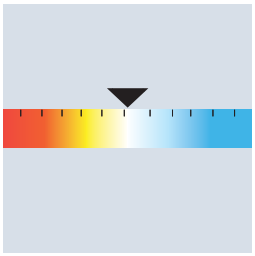
3000K



3500K

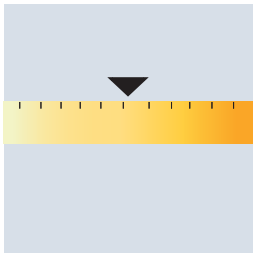


4000K

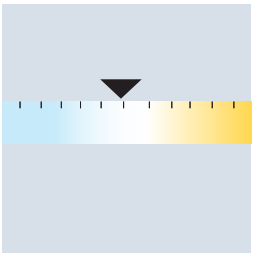


5000K

Tunable White



Dim To Warm



Tunable White