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BX-3RG 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.

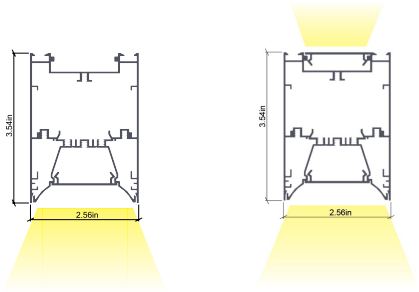
LED: Samsung LED chips, 2700-5000K, tunable white and RGB/RGBW available, 90CRI, 50,000 hour rated lifespan. Custom lumen packages available.

Optical: Direct 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.

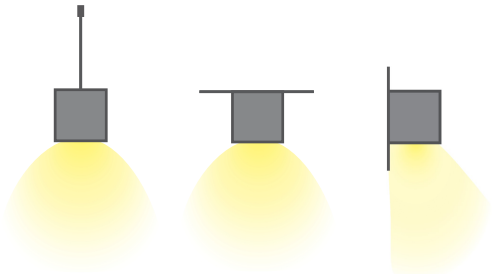
5-year limited warranty

Cross Section



Direct Indirect

Installation



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

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BX-3RG SERIES

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Project:	Type:
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Configuration Example

Model #	Distribution	Length	Lumen Output	Color Temp.	Voltage	Color
TECHOLED-BX-3RG-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-3-RG		D	Direct	2	2´	LO	Low
		DI	Direct/Indirect	4	4´	ME	Medium
		DI2	D/I2-circuit	6	6´	HI	High
				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-3RG-D-2-LO-30	2'	Low	3000K	12W	1200Lm
TECHOLED-BX-3RG-D-2-ME-30	2'	Medium	3000K	18W	1800Lm
TECHOLED-BX-3RG-D-2-HI-30	2'	High	3000K	23W	2300Lm
TECHOLED-BX-3RG-D-4-LO-30	4'	Low	3000K	23W	2300Lm
TECHOLED-BX-3RG-D-4-ME-30	4'	Medium	3000K	36W	3600Lm
TECHOLED-BX-3RG-D-4-HI-30	4'	High	3000K	46W	4600Lm
TECHOLED-BX-3RG-D-6-LO-30	6'	Low	3000K	35W	3500Lm
TECHOLED-BX-3RG-D-6-ME-30	6'	Medium	3000K	54W	5400Lm
TECHOLED-BX-3RG-D-6-HI-30	6'	High	3000K	69W	6900Lm
TECHOLED-BX-3RG-D-8-LO-30	8'	Low	3000K	46W	4600Lm
TECHOLED-BX-3RG-D-8-ME-30	8'	Medium	3000K	72W	7200Lm
TECHOLED-BX-3RG-D-8-HI-30	8'	High	3000K	92W	9200Lm

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-3RG-DI-2-LO-30	2'	Low	3000K	17W	1160Lm	570Lm
TECHOLED-BX-3RG-DI-2-ME-30	2'	Medium	3000K	23W	1800Lm	900Lm
TECHOLED-BX-3RG-DI-2-HI-30	2'	High	3000K	30W	2300Lm	1150Lm
TECHOLED-BX-3RG-DI-4-LO-30	4'	Low	3000K	34W	2320Lm	1160Lm
TECHOLED-BX-3RG-DI-4-ME-30	4'	Medium	3000K	46W	3600Lm	1800Lm
TECHOLED-BX-3RG-DI-4-HI-30	4'	High	3000K	60W	4600Lm	2300Lm
TECHOLED-BX-3RG-DI-6-LO-30	6'	Low	3000K	51W	3480Lm	1740Lm
TECHOLED-BX-3RG-DI-6-ME-30	6'	Medium	3000K	68W	5400Lm	2700Lm
TECHOLED-BX-3RG-DI-6-HI-30	6'	High	3000K	90W	6900Lm	3450Lm
TECHOLED-BX-3RG-DI-8-LO-30	8'	Low	3000K	68W	4640Lm	2320Lm
TECHOLED-BX-3RG-DI-8-ME-30	8'	Medium	3000K	91W	7200Lm	3600Lm
TECHOLED-BX-3RG-DI-8-HI-30	8'	High	3000K	120W	9200Lm	4600Lm

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	5.8	580	100	2.9	290
Medium	100	9.0	900	100	4.5	450
High	100	11.5	1150	100	5.8	575

Project:	Type:
	Comments:

Driver Option Details

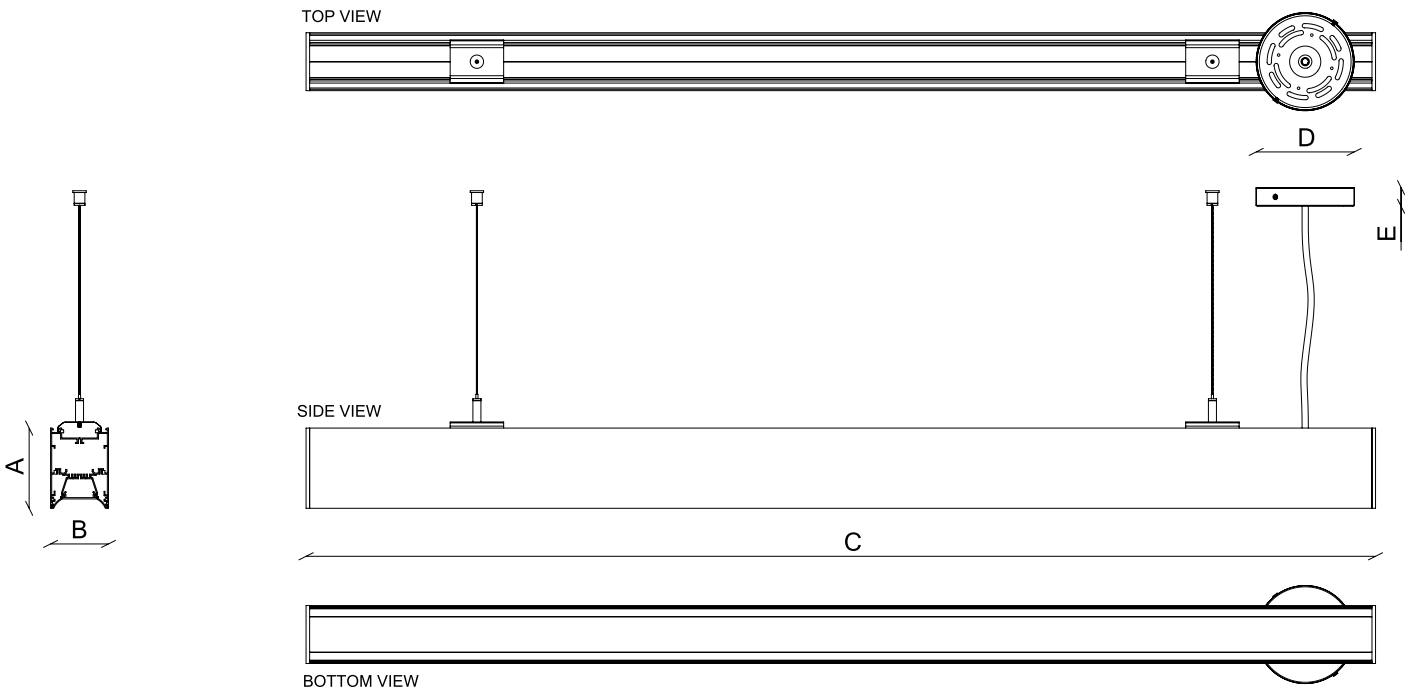
Code	Description
LT1	**LDE1** -Lutron Hi-lume 1% EcoSystem, Soft-on, Fade-to Black Dimming
DA	**DALI**
DMX	**DMX** - Decoder provided by TechoLED, controller by others

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)

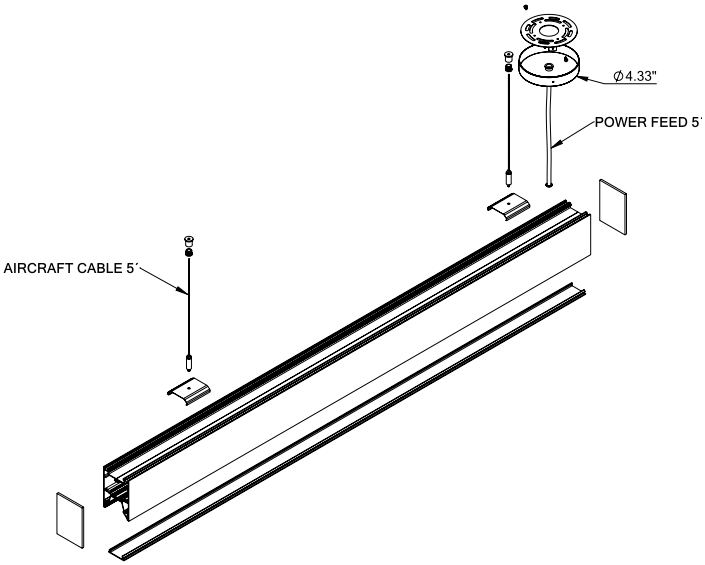


FIXTURE ID	A	B	C	D	E
BX-3RG-D-2	3.5"	2.6"	24.17"	4.33"	0.98"
BX-3RG-D-4	3.5"	2.6"	48"	4.33"	0.98"
BX-3RG-D-6	3.5"	2.6"	71.7"	4.33"	0.98"
BX-3RG-D-8	3.5"	2.6"	95.5"	4.33"	0.98"

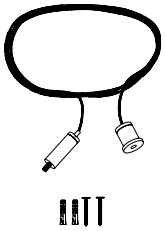
Project:	Type:
	Comments:

Pendant Mount (D)

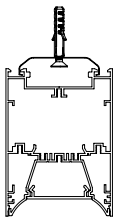


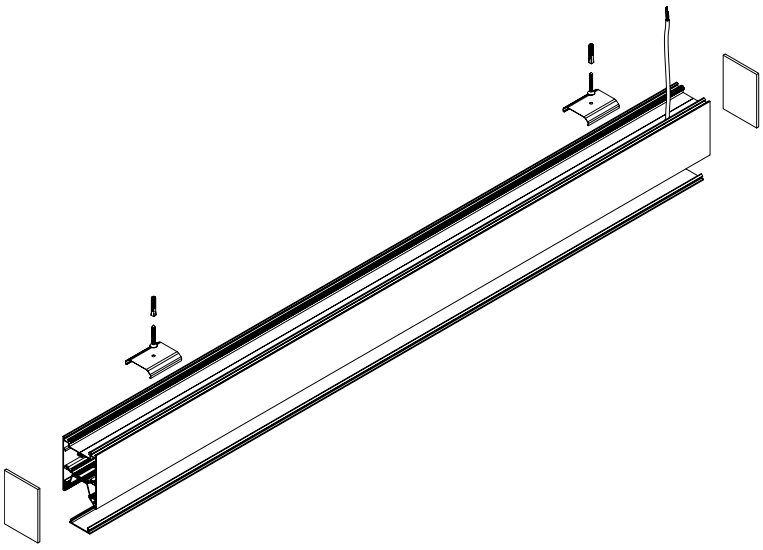


Pendant Kit

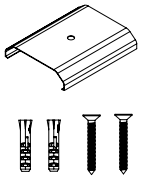


Surface Mount (D)



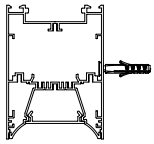


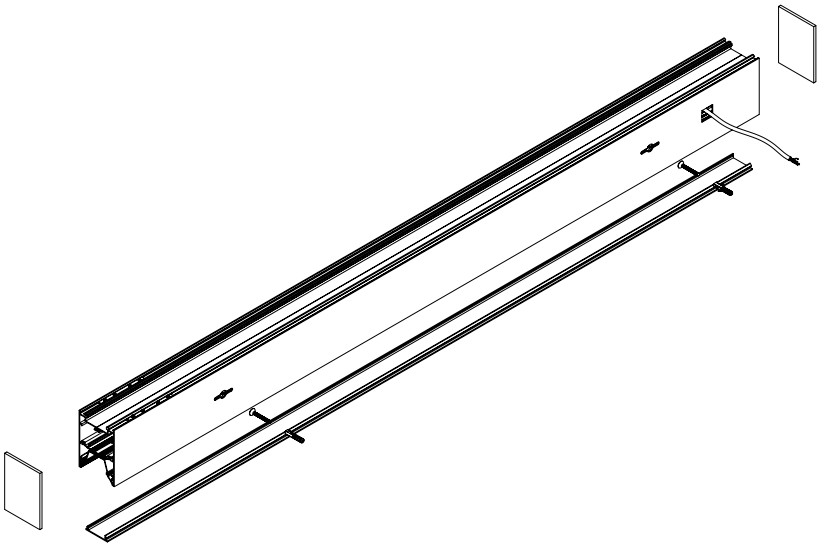
Surface Mount Kit



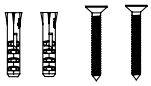
Project:	Type:
	Comments:

Wall Mount (D)



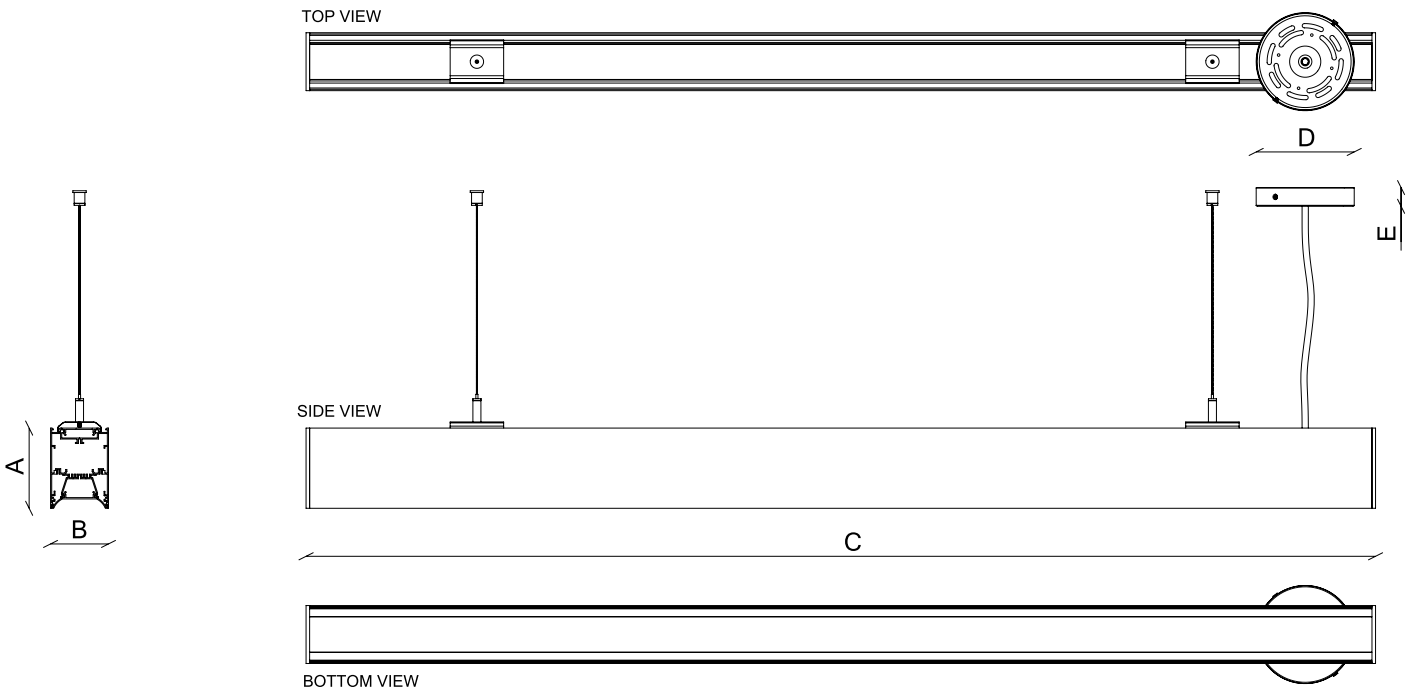


Wall Mount Kit



Project:	Type:
	Comments:

Dimension and Mounting - Direct/Indirect Distribution (D)



FIXTURE ID	A	B	C	D	E
BX-3RG-DI-2	3.5"	2.6"	24.17"	4.33"	0.98"
BX-3RG-DI-4	3.5"	2.6"	48"	4.33"	0.98"
BX-3RG-DI-6	3.5"	2.6"	71.7"	4.33"	0.98"
BX-3RG-DI-8	3.5"	2.6"	95.5"	4.33"	0.98"

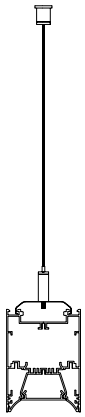
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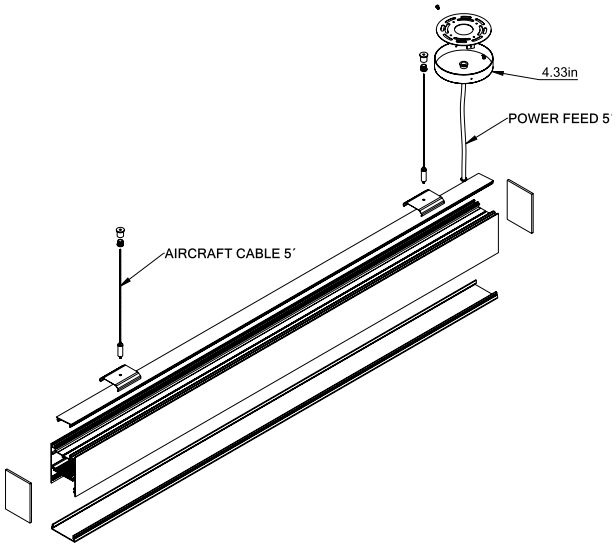
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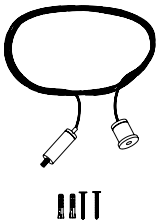
Project:	Type:
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Pendant Mount (DI)

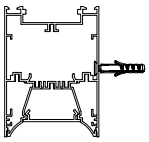


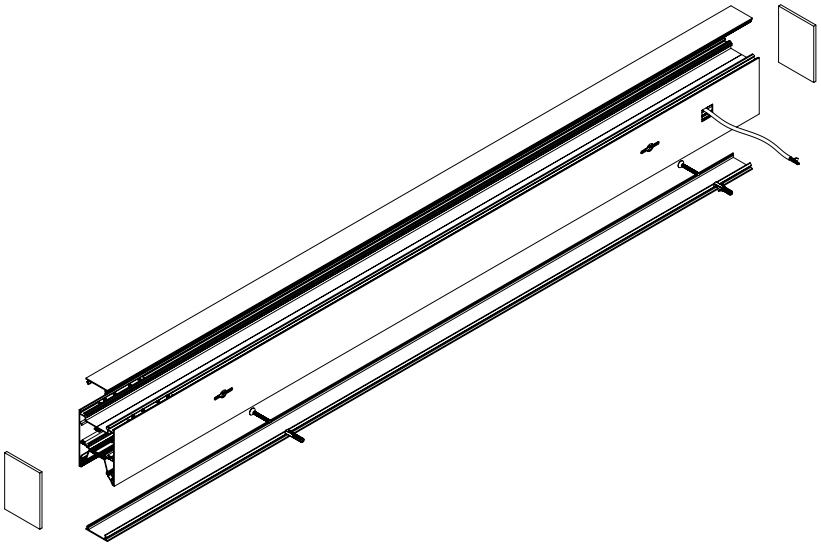


Pendant Kit

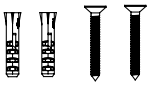


Wall Mount (DI)



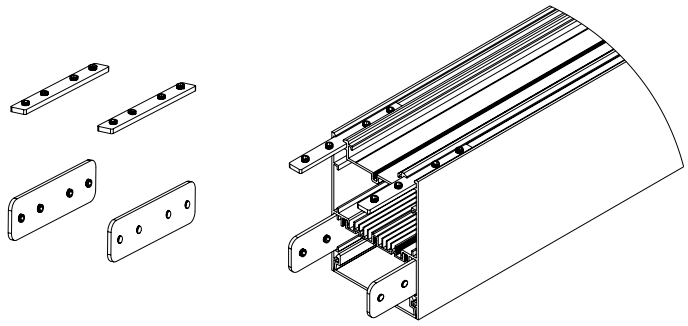


Wall Mount Kit



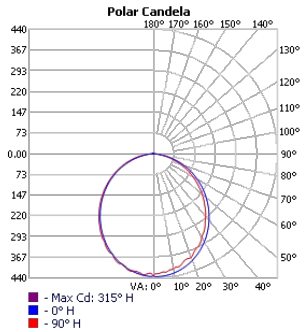
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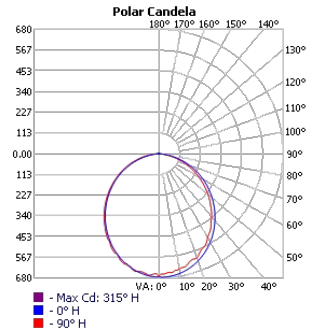


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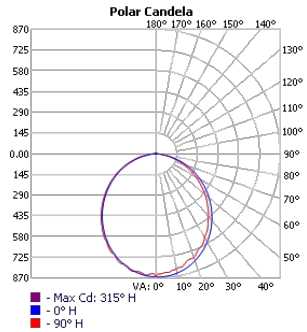
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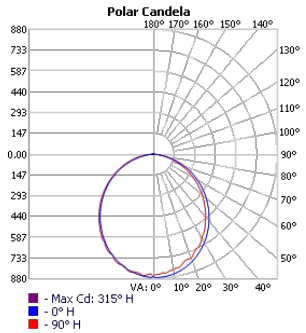
TECHOLED-BX-3RG-D-2-LO-30



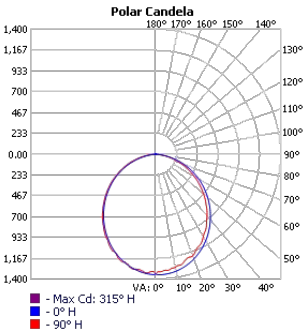
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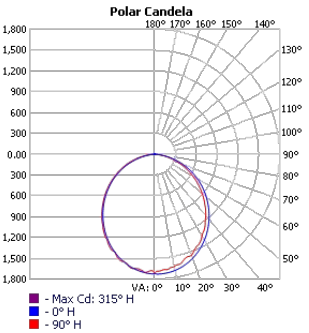
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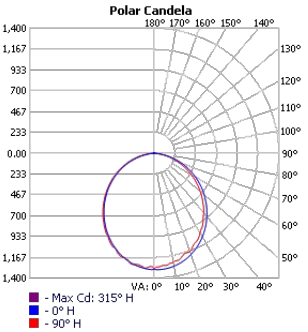
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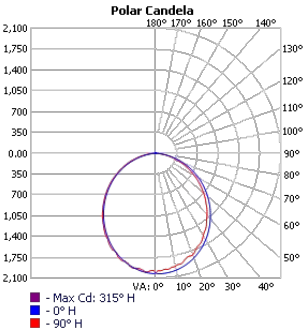
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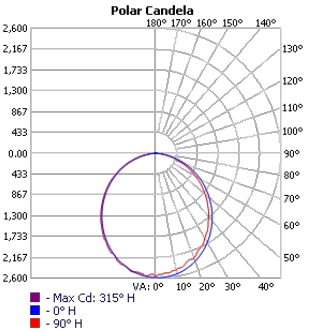
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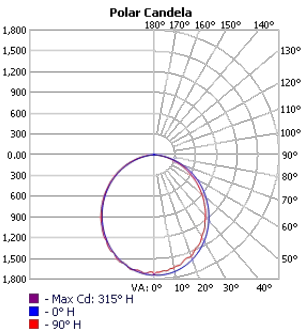
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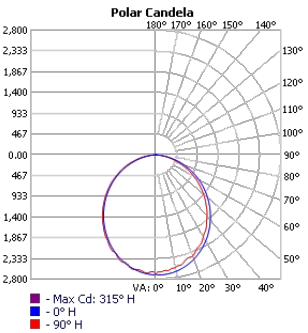
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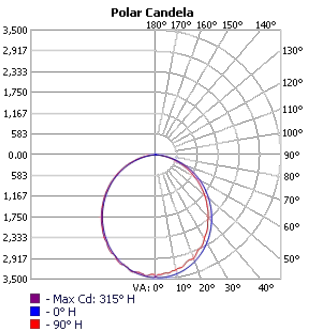
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TECHOLED-BX-3RG-D-8-LO-30



TECHOLED-BX-3RG-D-8-ME-30



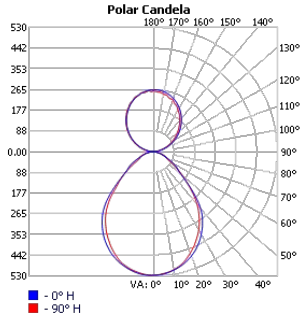
TECHOLED-BX-3RG-D-8-HI-30

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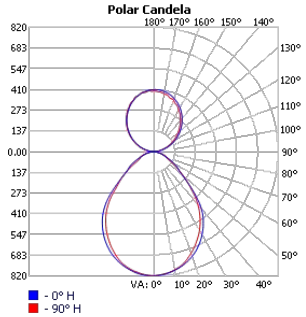
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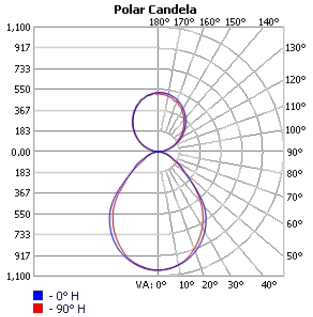
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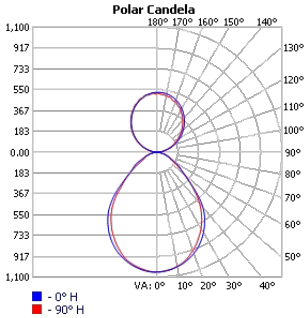
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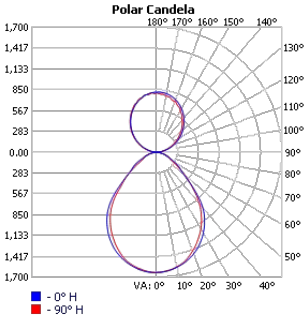
TECHOLED-BX-3RG-DI-2-ME-30



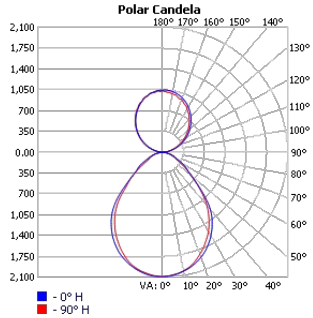
TECHOLED-BX-3RG-DI-2-HI-30



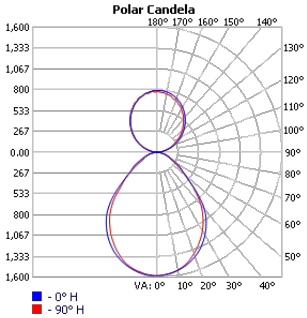
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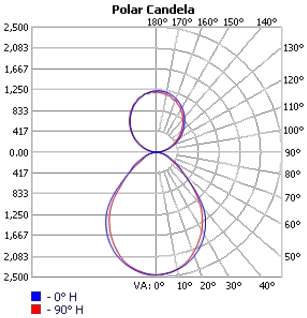
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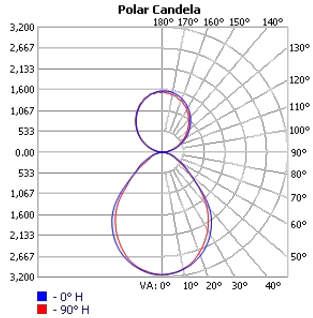
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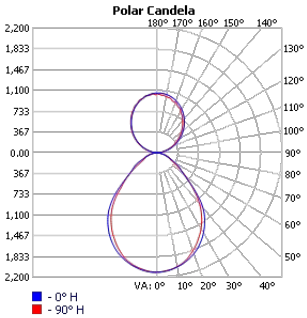
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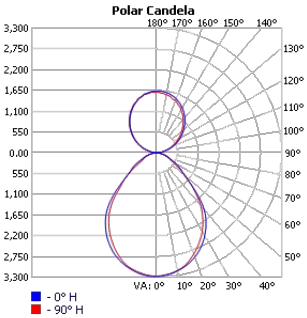
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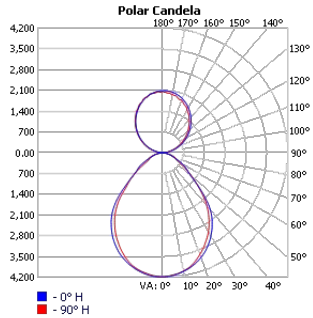
TECHOLED-BX-3RG-DI-6-HI-30



TECHOLED-BX-3RG-DI-8-LO-30



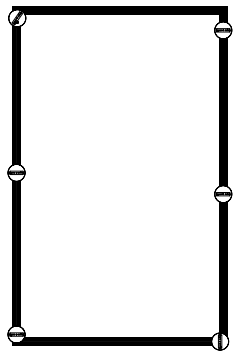
TECHOLED-BX-3RG-DI-8-ME-30



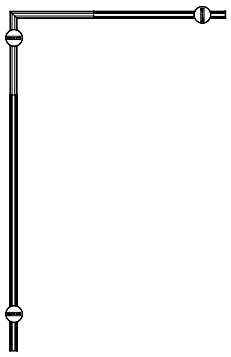
TECHOLED-BX-3RG-DI-8-HI-30

Project:	Type:
	Comments:

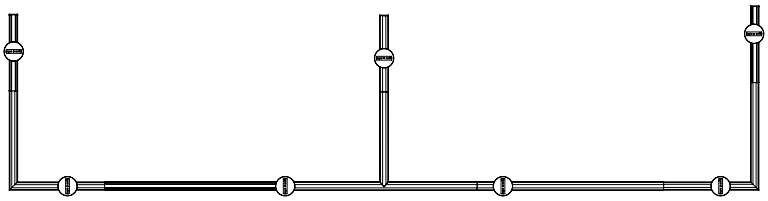
Patterns Option Examples



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

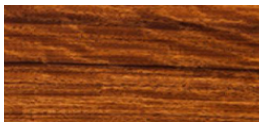
Custom Wooden Colors


American Walnut


Cherry


Maple

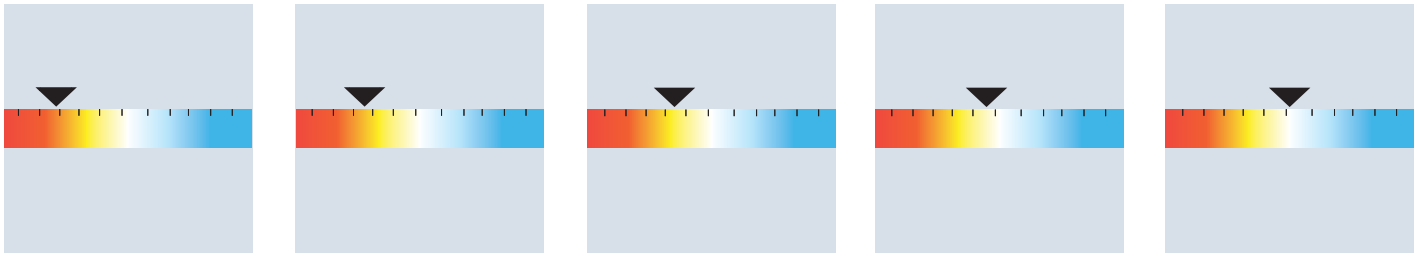

Light Oak


Palisander Santos

Project:	Type:
	Comments:

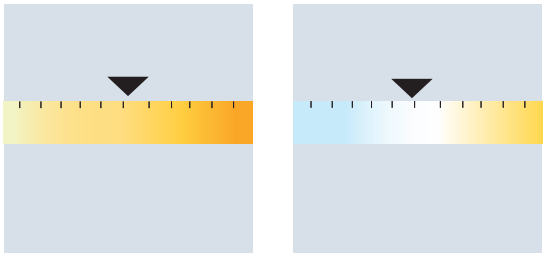
Color Temperature

Color Temperature



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

Tunable White



Dim To Warm | Tunable White