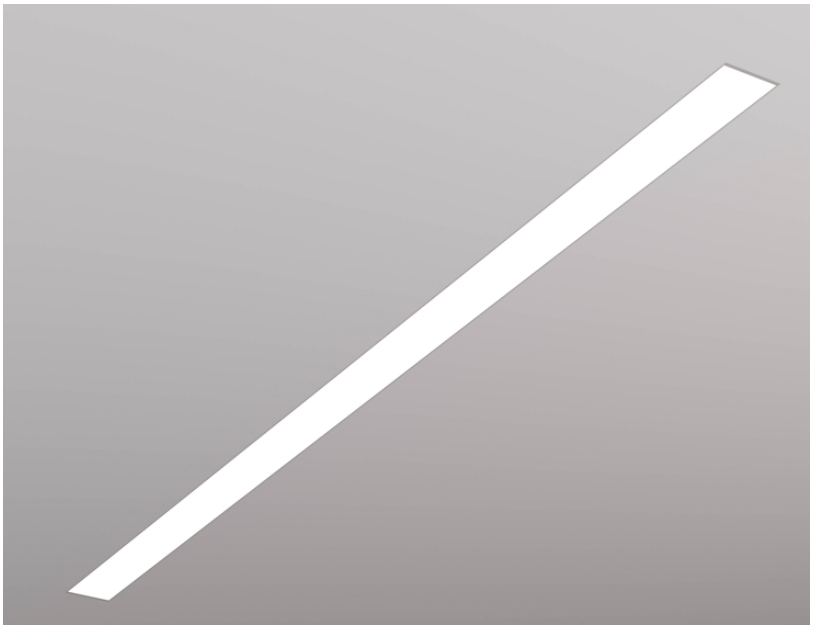
techoLED®
BROOKLYN • NY

BX-2-R SERIES

Rev. Date: 11/23/2026

Project:	Type:
	Comments:



CHICAGO PLENUM CERTIFIED

DAMP LOCATION

INTERTEK ETL LISTED C US

Highlights

BX-2-R series is specification grade, architectural linear fixture, with virtually unlimited possibilities to create patterns, continuous runs and shapes. Recessed into drywall, wood or grid ceilings. Wide ranging customization options, from custom lumen packages, sizes and finishes. Great and simple lighting solution for all modern interiors.

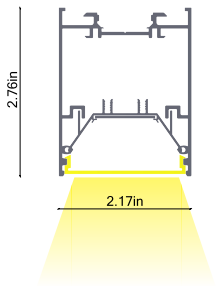
LED: Samsung LED chips, 2700-5000K, tunable white and RGB/W available, 90CRI

Optical: Direct illumination, 110° beam angle

Construction: High grade aluminum extrusion, die cast end caps, PMMA diffuser, integral driver, powder coat finish, X, T, L Lit corners available for smooth, seamless patterns, damp location listed, Chicago Plenum optional.

5-year limited warranty

Cross Section



Installation



Reccessed
(R)

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BX-2-R SERIES

Rev. Date: 11/23/2026

Project:	Type:
	Comments:

Configuration Example

Model #	Distribution	Length	Lumen Output	Color Temp.	Voltage	Finish
TECHOLED-BX-2-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-2-R	BX-2-R	D	Direct	2	2´	LO	Low
		DWW	Direct, Wall Wash	4	4´	ME	Medium
		BW	Bat Wing	6	6´	HI	High
				8	8´		
				C	Custom		

5-COLOR TEMP.		6-VOLTAGE		7-FINISH		8-MOUNTING	
27	2700K	U	110-277V	S	Silver	RP	Mud-in
30	3000K	HV	347V	W	White	RW	Wood
35	3500K			B	Black	TG	T Grid Universal
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		
		CP	Chicago Plenum		
		X	None		

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Project:	Type:
	Comments:

Lumen Output Details

Model #	Length	Output	Color Temp.	Wattage	Lumen Output
TECHOLED-BX-2-R-D-2-ME-30	2'	Medium	3000K	15W	1890Lm
TECHOLED-BX-2-R-D-2-HI-30	2'	High	3000K	20W	2520Lm
TECHOLED-BX-2-R-D-4-LO-30	4'	Low	3000K	23W	2898Lm
TECHOLED-BX-2-R-D-4-ME-30	4'	Medium	3000K	29W	3654Lm
TECHOLED-BX-2-R-D-4-HI-30	4'	High	3000K	40W	5040Lm
TECHOLED-BX-2-R-D-6-LO-30	6'	Low	3000K	34W	4284Lm
TECHOLED-BX-2-R-D-6-ME-30	6'	Medium	3000K	44W	5544Lm
TECHOLED-BX-2-R-D-6-HI-30	6'	High	3000K	60W	7560Lm
TECHOLED-BX-2-R-D-8-LO-30	8'	Low	3000K	46W	5796Lm
TECHOLED-BX-2-R-D-8-ME-30	8'	Medium	3000K	59W	7434Lm
TECHOLED-BX-2-R-D-8-HI-30	8'	High	3000K	80W	10080Lm

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	126	5.7	718
Medium	126	7.3	920
High	126	10	1260

Project:	Type:
	Comments:

Driver Option Details

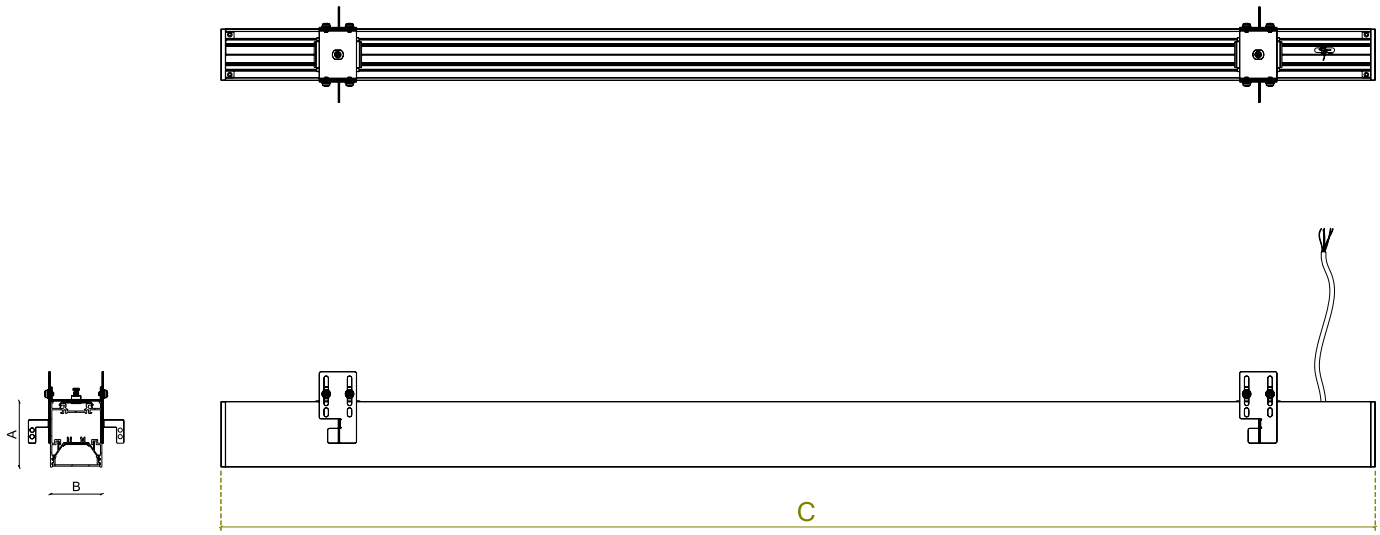
Code	Description
LT1	**LDE1** -Lutron Hi-lume 1% EcoSystem, Soft-on, Fade-to Black Dimming
DA	**DALI**
DMX	**DMX** - Decoder provided by TechoLED, controller by others

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:

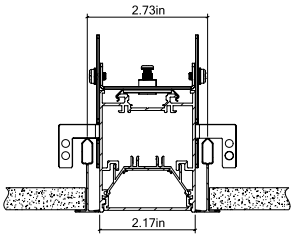
Dimension and Mounting - Direct Distribution (D)

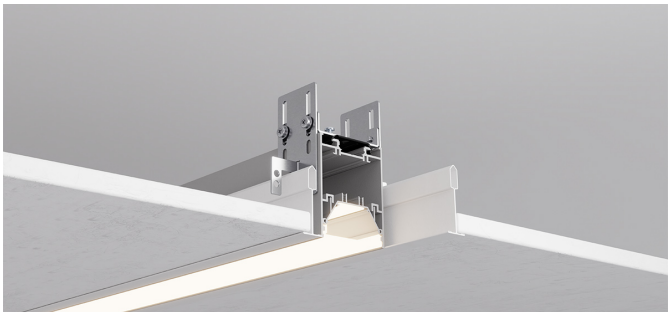


FIXTURE ID	A	B	C
BX-2-R-D-2	2.76"	2.17"	24.57"
BX-2-R-D-4	2.76"	2.17"	48.58"
BX-2-R-D-6	2.76"	2.17"	72.56"
BX-2-R-D-8	2.76"	2.17"	96.57"

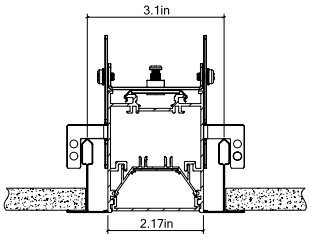
Project:	Type:
	Comments:

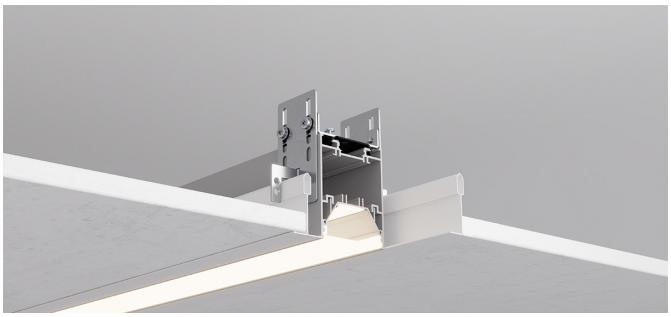
Recessed - T Grid 9/16" (universal bracket)



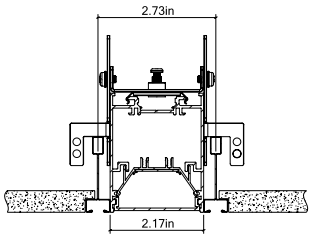


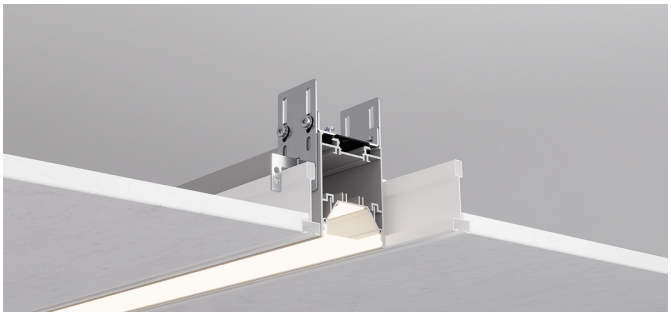
Recessed - T Grid 15/16" (universal bracket)



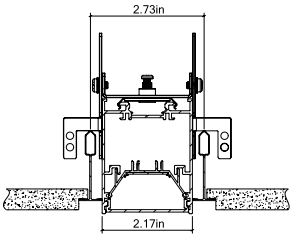


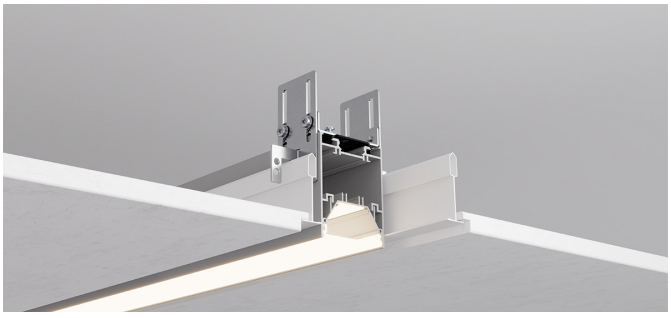
Recessed - Slot Grid (universal bracket)





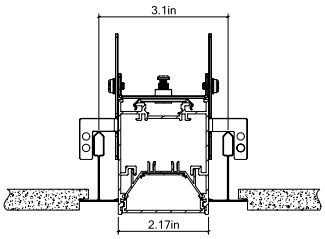
Recessed - Tegular Grid 9/16" (universal bracket)

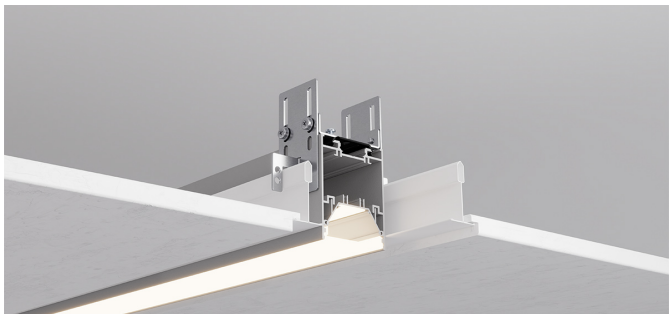




Project:	Type:
	Comments:

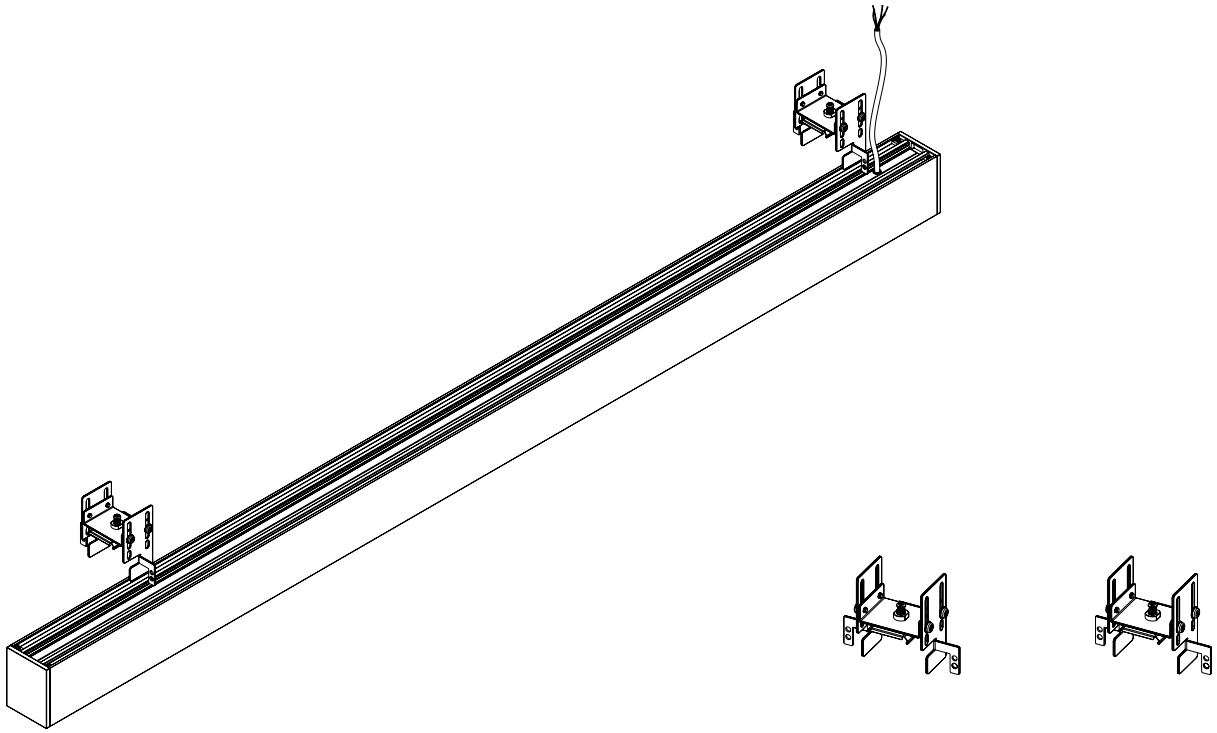
Recessed - Tegular Grid 15/16" (universal bracket)





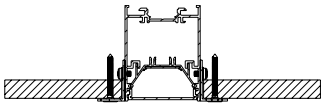
Project:	Type:
	Comments:

Recessed Mounting

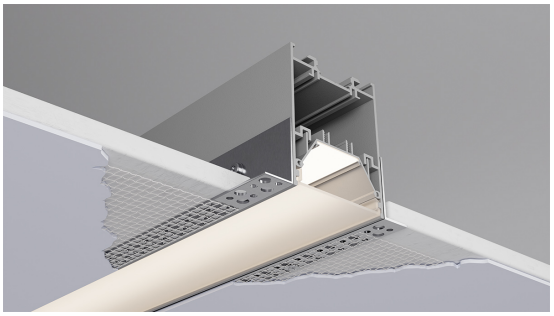


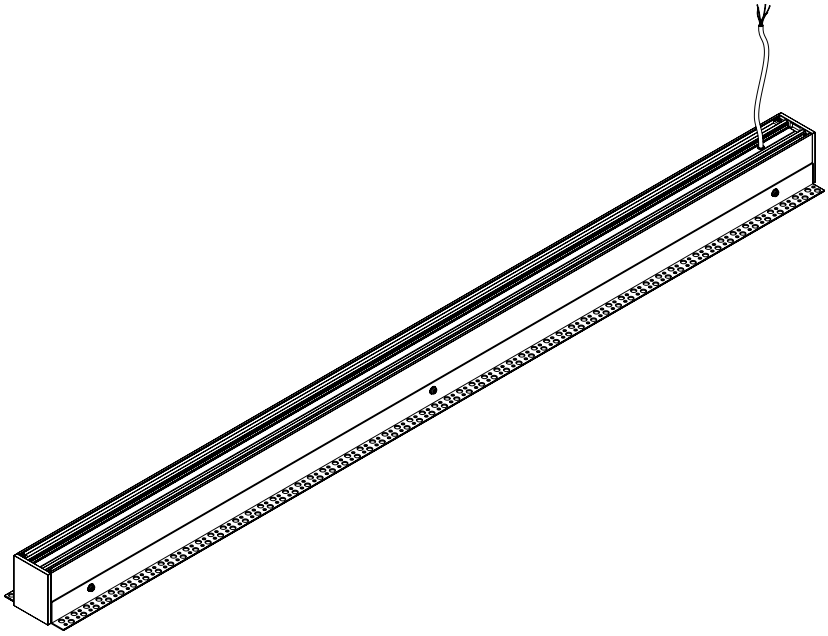
Project:	Type:
	Comments:

Recessed (mud-in)



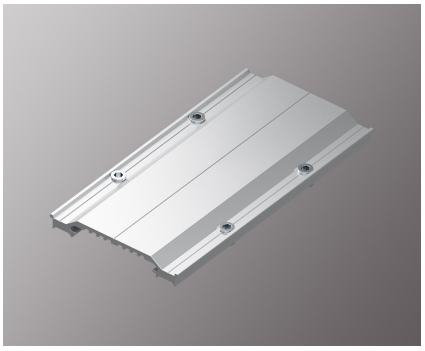
Recessed (mud-in)

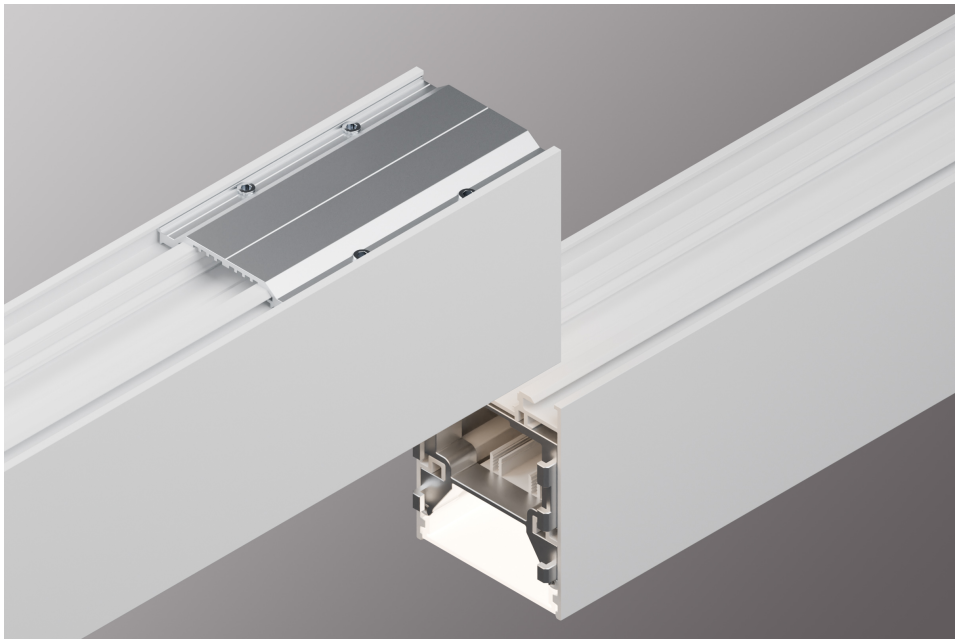


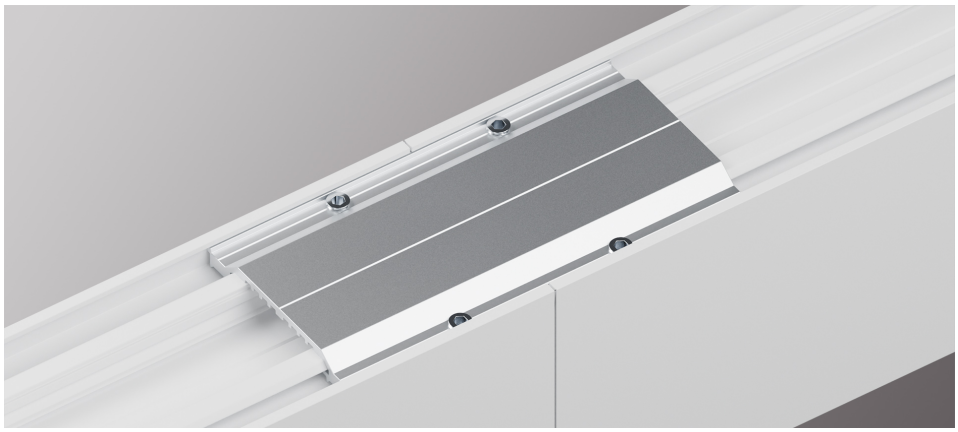


Project:	Type:
	Comments:

Connectors

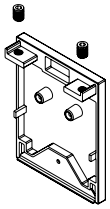
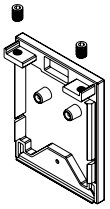






Project:	Type:
	Comments:

End Caps

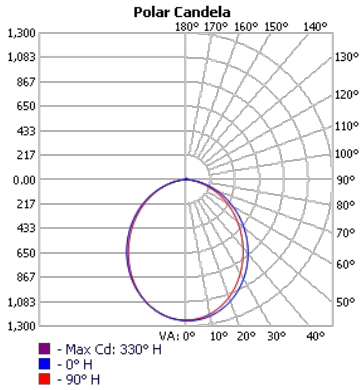




Applications



Project:	Type:
	Comments:

Photometrics

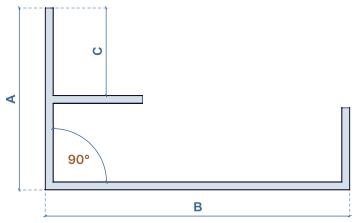


Direct

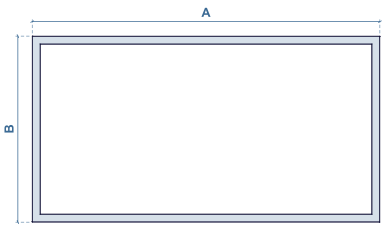
Project:	Type:
	Comments:

Patterns Option Examples

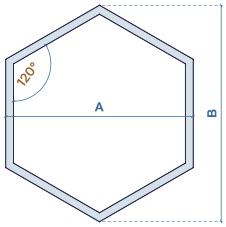
Custom pattern



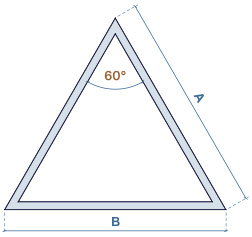
Rectangle



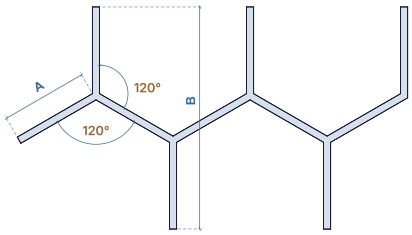
Hexagon



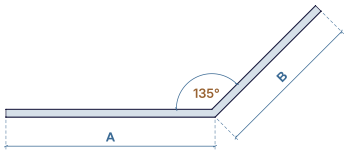
Triangle



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

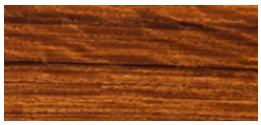
Custom Wooden Colors


American Walnut


Cherry


Maple

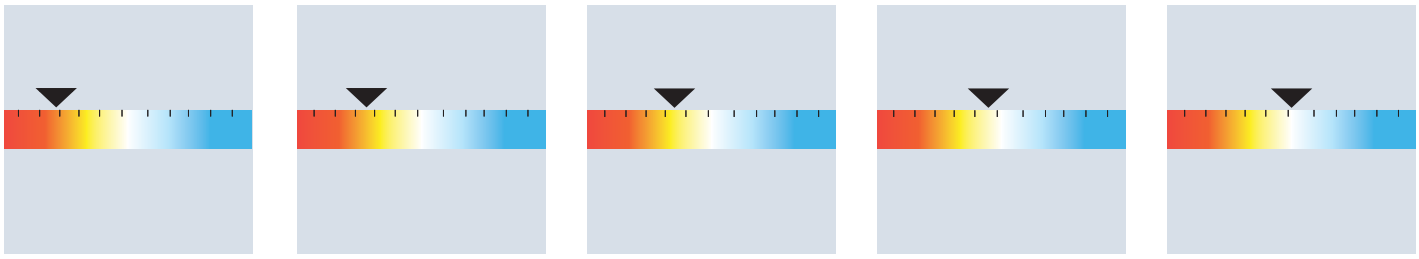

Light Oak


Palisander Santos

Project:	Type:
	Comments:

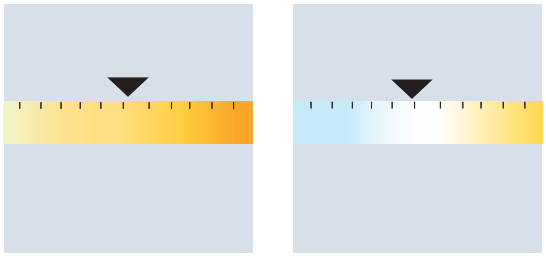
Color Temperature

Color Temperature



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

Tunable White



Dim To Warm | Tunable White