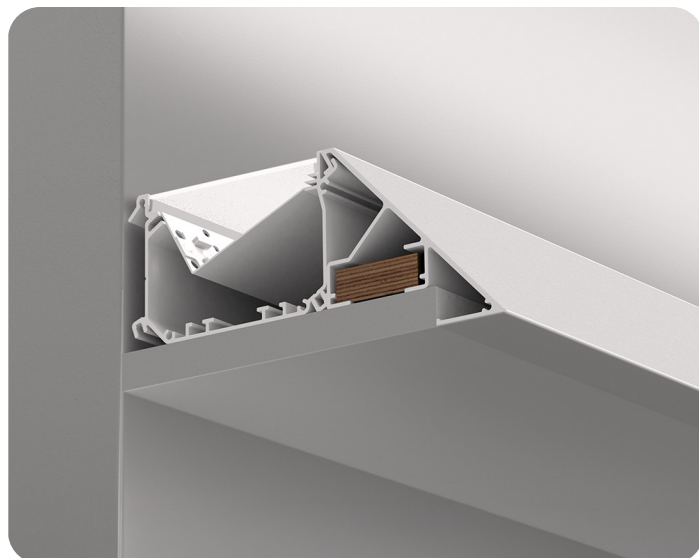


Cove Wall

Indirect

Key Features

- Extruded aluminum two piece housing
- 2', 4', 6' and 8' individual units or continuous rows
- Continuous runs available with proprietary joiner
- Compatible with wall-to-wall applications
- 0-10V dimming to 1% is standard
- Efficacy up to 130 lm/W
- Consult factory for TM21, TM30, LM79 and LM80



Specifications

Construction

- Continuous extruded 6063 T5 aluminum

Dimensions

- Nominal dimensions: 3.125" x 7.25"

Finish

- Powder coated
- Colors: White, Black, or Premium Finishes
- End Caps: Color-matched to housing
- Custom colors available. Consult factory for more information.

Luminaire Length

- Standard individual lengths: 2', 4', 6' or 8'
- Fixture and run lengths are available in 1/16" increments.
- Using internal joiners, sections can be joined to form longer, continuous rows.

Source

- CCT options: 2700K, 3000K, 3500K, 4000K, or 5000K
- All within 3 MacAdam ellipses
- 90 CRI (R9 50 min) available
- L70 > 50,000 hours

Lensing

- 0.060" thick impact resistant acrylic lens
- Snap-in lens and reflector for easy install
- Soft diffuse indirect lighting

Operating Temperature

- -40°C to 50°C (-40°F to 122°F)

Lithium Ion Battery

- Provides up to 14W for 90 minutes.
- Certifications: UL924 listed, Class 2 compliant, and Title 20 CEC (California Energy Commission) compliant

Dimming Driver

- Constant current programmable LED driver
- Output current: 0-10V, dim to 1% (UL listed, Class P)
- Ring wave surge protection: 2.5KV ring
- Power factor: >0.93

Generator Transfer Device

- Luminaires with GTD option provides a UL924 shunt relay to bypass normal power, switches, and 0-10V dimming.

Certifications

- Build America Buy America compliant
- Buy American Act compliant
- Intertek cETLus Listed
- RoHS (Restriction of Hazardous Substances)
- JA8 compliant
- Suitable for dry and damp locations

Packaging

- Sustainably manufactured outside cardboard box and biodegradable, protective poly-foam luminaire inserts.

Warranty

- 5-year limited warranty.



Ordering Logic

COVE-20-500-CW-35K-80-PR-WM-K-U-1C-1EMB10

Series	Length	Indirect Output ¹	Indirect Distribution	CCT	CRI
COVE					
	XX - Run Length	250 - 250 LPF	CL - Clear Lens	27K - 2700K	80 - 80 CRI
	_X_L - L-Shape	500 - 500 LPF	CW - Ceiling Wash	30K - 3000K	90 - 90 CRI (R9 50 min)
	_X_RECT - Rectangle	750 - 750 LPF		35K - 3500K	
	CP - Custom Pattern	1000 - 1000 LPF		40K - 4000K	
		XXX - Custom LPF		50K - 5000K	
				TW - Tunable White ² (2700K-6500K)	
Finish ³	Mounting	Trim	Voltage	Circuiting	Emergency
	WM				
Standard Powder Coat	WM - Wall Mount	K - Knife Edge	U - 120-277V	1C - Single Circuit	BLANK - None
NF - No Finish ⁴		B - Bullnose	C - 347V	MC - Multiple Circuits ^{7,8}	EC - Emergency Circuit ⁹
PW - White ⁵					#EMB6 - 6W EM Battery ^{10, 11}
PB - Black					#EMB10 - 10W EM Battery ^{10, 11}
Premium					#FCEMB10 - 10W EM Battery ^{10, 12}
RALXXXX - Powder Coat Gloss Finish					#FCEMB14 - 14W EM Battery ^{10, 12}
PSFX - Premium Stock Finish ⁶					#GTD - Generator Transfer Device w/ ALCR ¹³
Custom Powder Coat					
PO - Powder Other					

Options

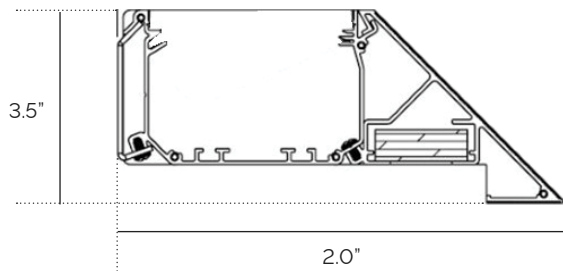
Specialty Drivers ¹⁴	Controls
DT1 - eldoLED EcoDrive Dim to 1% (0-10V)	DMX - DMX Lighting Control (RGBW)
DTZ - eldoLED SoloDrive Dim to 0.1% (0-10V)	
PSRD - Philips Sensor Ready (DALI) Driver	
LDE1 - Lutron Hi-Lume EcoSystem LED Driver w/ Soft-on, Fade-to-Black	
TW-A - Tunable White, 0-10V ¹⁵	
TW-EL - eldoLED DUALdrive Tunable White (DALI) ¹⁵	
LD2 - Lutron DALI 2 Digital Tunable White Driver w/ 1% Dimming ¹⁶	

Ordering Notes

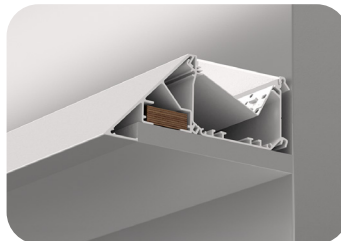
- 200 LPF min. output / 1500 LPF max. output.
- Tunable White Driver must be specified in options.
- See page 3 for standard and premium options.
- Only available with Knife Edge Trim (K).
- Powder Coat White (PW) is field paintable.
- Only available with Bullnose Trim (B).
- Customer to specify number of zones and locations through factory submittal drawings.
- Multiple low and line control zones.
- Separate power, transfer devices provided by others.
- '#' indicates number per run.
- Provided by Iota/Bodine.
- EM battery is factory choice.
- Iota EDS-DR Emergency Control Device
- Standard driver is 0-10V, dim to 1% output current.
- 75 Watt Max. Dual driver required for higher fixture wattage.
- 50 Watt Max. Dual driver required for higher fixture wattage.



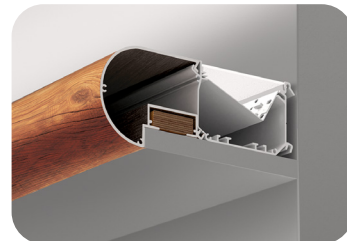
Dimensions



Trim



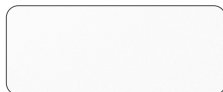
K
Knife Edge



B
Bullnose

Finishes

Standard



PW: White



PB: Black

Premium Stock



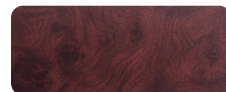
PSF001: Wood 1



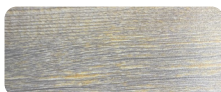
PSF002: Wood 2



PSF003: Wood 3



PSF004: Wood 4



PSF005: Wood 5



PSF006: Wood 6



PSF007: Stone 1



PSF008: Stone 2

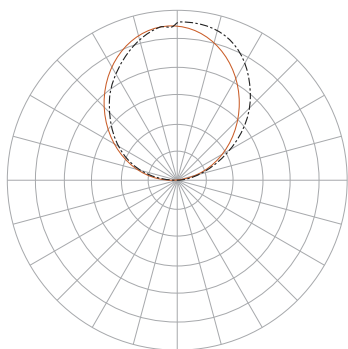


PSF009: Stone 3

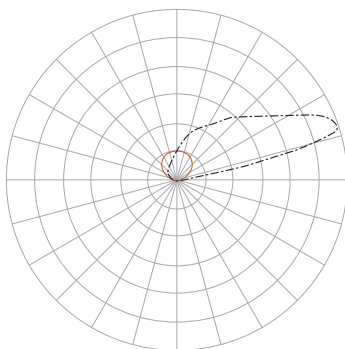
NOTE: A minimal impact to lead times will apply to products specified with Premium Stock Finishes (PSF). It is not to be assumed that these finishes are stocked in our warehouse, but rather, are readily available to us for your project.

All other custom finishes (PO) will incur a set up fee and will add an extended lead time to your project.

Distribution



Indirect: SatinIce Diffuse (SD)

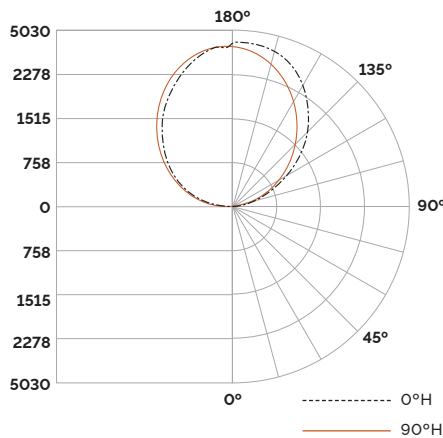


Indirect: Ceiling Wash (CW)



Performance

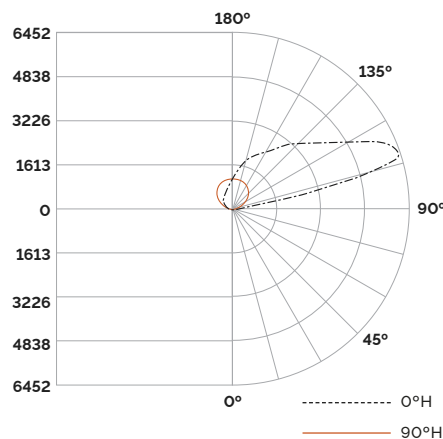
COVE-8-1000-SD-35K-80



Luminance Data (cd/sq.m)

Angles	Avg. 0°	Avg. 45°	Avg. 90°
45°	0	0	0
55°	0	0	0
65°	0	0	0
75°	0	0	0
85°	0	0	0

COVE-8-1000-CW-35K-80



Luminance Data (cd/sq.m)

Angles	Avg. 0°	Avg. 45°	Avg. 90°
45°	0	0	0
55°	0	0	0
65°	0	0	0
75°	0	0	0
85°	0	0	0

Candela Table

Vertical Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	0	0	0	0	0
5	136	145	137	124	118
10	350	352	331	305	289
15	586	586	555	520	497
20	845	838	796	754	722
25	1105	1096	1046	993	953
30	1369	1355	1298	1231	1181
35	1634	1609	1544	1465	1401
40	1874	1842	1772	1681	1612
45	2115	2074	1996	1896	1807
50	2332	2289	2206	2099	2003
55	2537	2486	2400	2289	2188
60	2707	2654	2567	2456	2360
65	2842	2792	2707	2606	2519
70	2945	2893	2815	2726	2653
75	3007	2955	2889	2818	2764
80	3030	2980	2926	2878	2846
85	3018	2971	2932	2905	2897
90	2920	2920	2920	2920	2920

Candela Table

Vertical Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	0	0	0	0	0
5	136	145	137	124	118
10	350	352	331	305	289
15	586	586	555	520	497
20	845	838	796	754	722
25	1105	1096	1046	993	953
30	1369	1355	1298	1231	1181
35	1634	1609	1544	1465	1401
40	1874	1842	1772	1681	1612
45	2115	2074	1996	1896	1807
50	2332	2289	2206	2099	2003
55	2537	2486	2400	2289	2188
60	2707	2654	2567	2456	2360
65	2842	2792	2707	2606	2519
70	2945	2893	2815	2726	2653
75	3007	2955	2889	2818	2764
80	3030	2980	2926	2878	2846
85	3018	2971	2932	2905	2897
90	2920	2920	2920	2920	2920

Power

Direct LPF	Total Lumens	Satin Diffuse (SD)		Ceiling Wash (CW)	
		LPW	W/ft.	LPW	W/ft.
300	2800	118	3	130	3
500	4000	118	4	130	4
750	6000	118	6	130	6
1000	8000	118	9	130	8

NOTE: Based on 8' lengths at 35K CCT and 80 CRI modules. All wattage values are rounded up. Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%.

Wattage Multiplier

CRI	CCT	4' Length	8' Length
80 CRI	3000K	1.11	1.05
	3500K	1.05	1.00
	4000K	1.03	0.98
	5000K	1.02	0.97
90 CRI	3000K	1.17	1.11
	3500K	1.11	1.05
	4000K	1.08	1.03
	5000K	1.07	1.02

Multiplier How-To

To determine CRI/CCT configuration wattage:
Choose wattage from Power matrix for desired optic and lumen output for 8' fixture length.

Wattage x Multiplier = New Config. Wattage

Row Configurations

XX (Run Length)

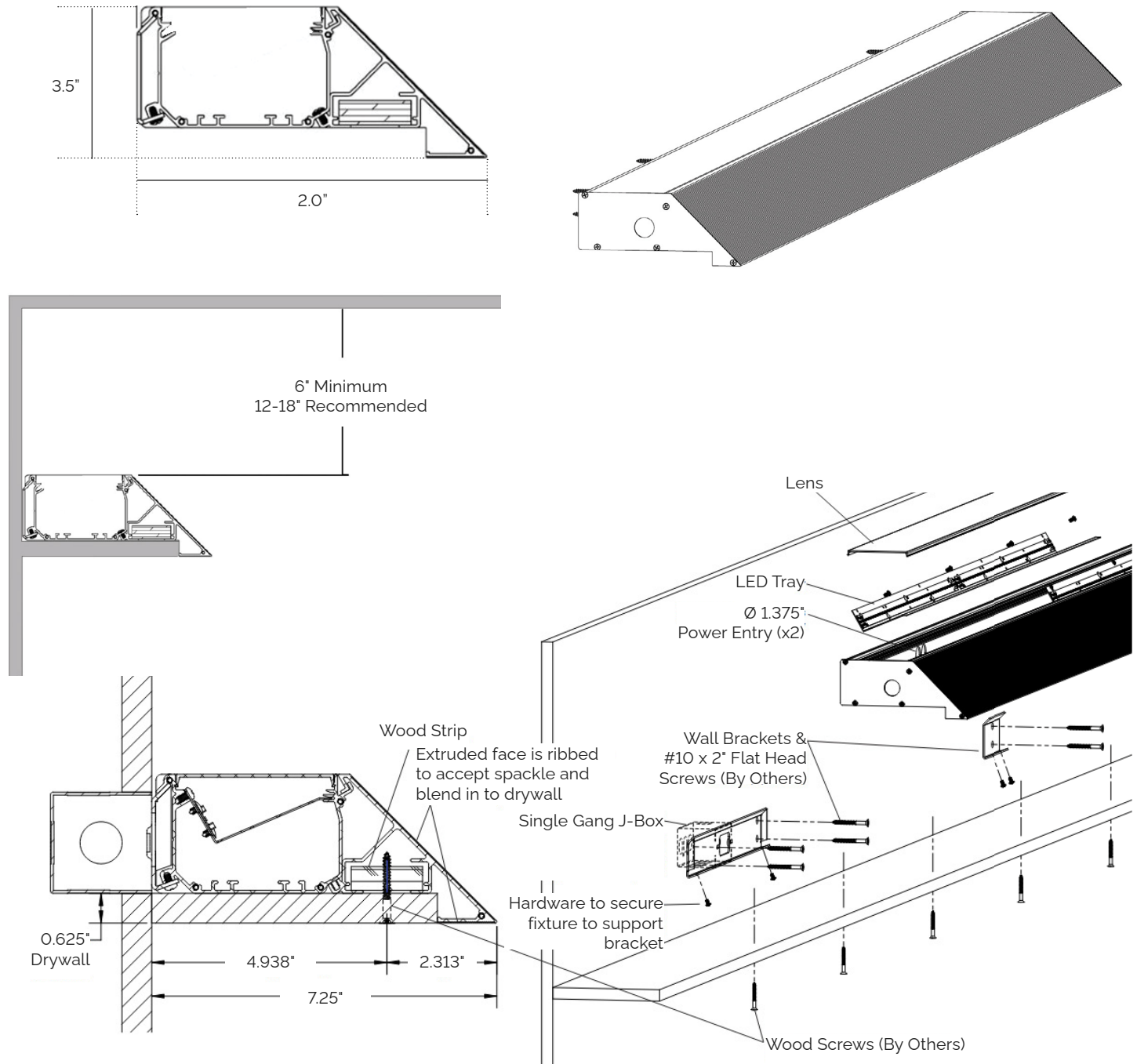
The standard construction of run lengths follows the logic of the table below. Consult factory for additional information. Run lengths always start with the longest fixture and receives the power feed.

NOTE: Fixtures in continuous runs are available in 6" increments. Consult factory for smaller increments.

Total Length (Feet)	# of Sections						
	2	3	4	5	6	7	8
2	1						
3		1					
4			1				
5				1			
6					1		
7						1	
8							1
9			1	1			
10			1		1		
11		1					1
12			1				1
13				1			1
14					1		1
15						1	1
16							2
17			1	1			1
18			1		1		1
19		1					2
20			1				2
21				1			2
22					1		2
23						1	2
24							3
25			1	1			2
26			1		1		2
27		1					3
28			1				3
29				1			3
30					1		3
31						1	3
32							4
33			1	1			3
34			1		1		3
35		1					4
36			1				4
37				1			4
38					1		4
39						1	4
40							5

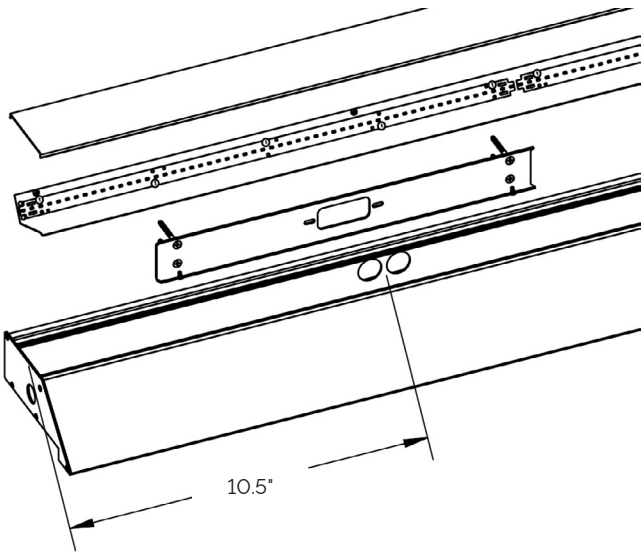
Mounting

WM (Wall Mount)



Power Locations

The standard power location is out the end cap on the starter fixture. If a different configuration is needed to meet an aesthetic or placement requirement, please consult the factory.



Wiring Diagram

Wiring configurations are dependent on the options chosen. Below are a few examples of our standard wiring that is used to power the fixture.

This wiring diagram is showing a standard set of wires for a basic fixture.

Wiring		
High Voltage	Low Voltage	
18 GA		
H = Hot	+D(V) = +Dimming	Hot (Black)
N = Neutral	-D(G) = -Dimming	Neutral (White)
GND = Ground	2864	Ground (Green)
		+Dimming (Violet)
		-Dimming (Pink)

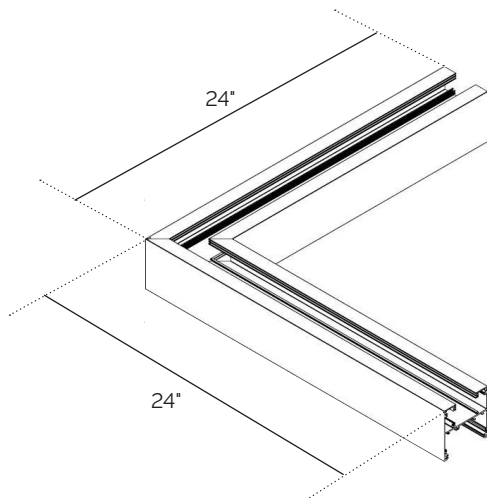
This wiring diagram is showing a set of wires for a fixture with a emergency battery.

Wiring		
High Voltage	Low Voltage	
18 GA		
S = Switched	+D(V) = +Dimming	Switched (Black)
N = Neutral	-D(G) = -Dimming	Neutral (White)
U = Unswitched	-	Ground (Green)
GND = Ground	-	Unswitched (Red)
		+Dimming (Violet)
		-Dimming (Gray)

Shape Configuration

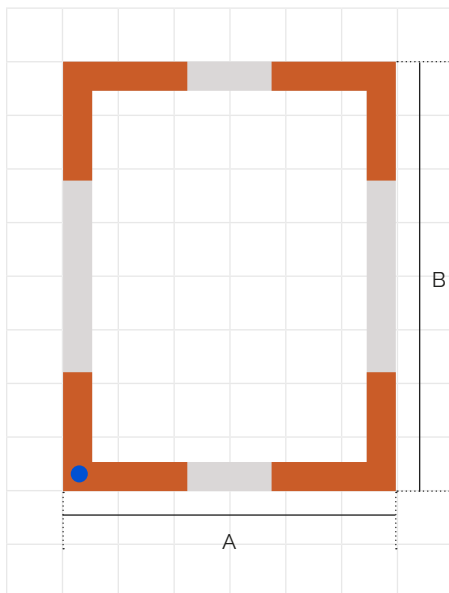
Joint Shape Configuration with Miter Cuts

Example: Standard stock 24" x 24" joint configurations are provided as shown below.



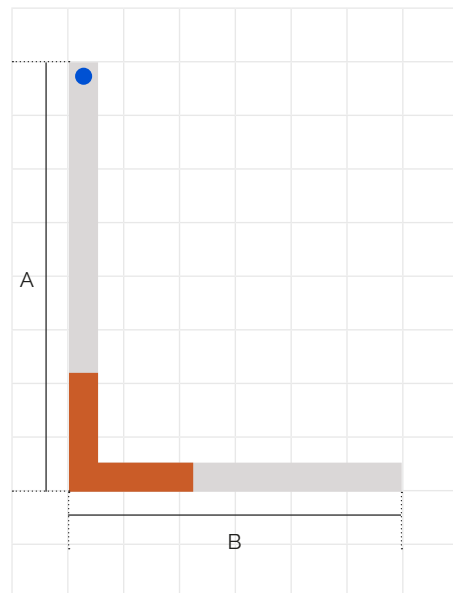
Rectangle (_X_RECT)

Provide AxB dimensions



L-Shape (_X_L)

Provide AxB dimensions



● Power Location

