Beam 2 Square

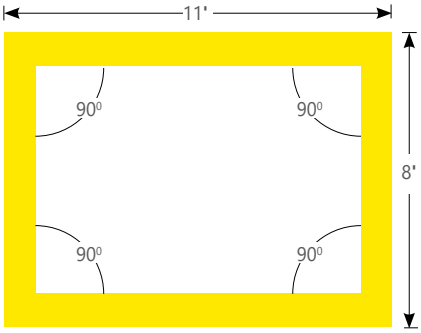
SURFACE MOUNT - REGULAR LIT CORNER PATTERNS

Project _____

Type _____

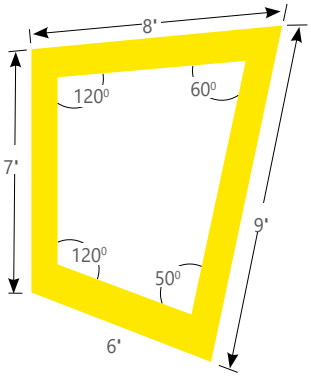
Notes _____

*** Please see page 2 for example on how to specify various right angle patterns.**



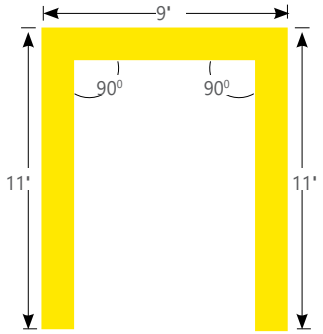
B2SQSLEDPAT	R (11'X8')
PRODUCT ID	PATTERNS AND LENGTH

TOP VIEW - Rectangle Corner Pattern



B2SQSLEDPAT	FF(30)	OPR(120+60+50+120)
PRODUCT ID	PATTERNS AND LENGTH	CORNER DEGREES

TOP VIEW - Corner Pattern



B2SQSLEDPAT	U (9'X11'X11')
PRODUCT ID	PATTERNS AND LENGTH

TOP VIEW - Open Shape Corner Pattern

IMPORTANT! – all corner patterns must be submitted with drawings indicating dimensions and angles degree.

Ordering Guide

PRODUCT ID		PATTERNS AND LENGTH (SELECT ONE)				CORNER DEGREES (OPT.)		LUMENS/FT		CRI	
B2SQSLEDPAT	beam 2 square surface	**S(L)***	square shape (length)	**FF(L)**	total pattern length	**OPR(#)**	regular lit corner degrees	**300**	300 lm/ft - **Minimum**	**80**	80 CRI
		R(LxL)*	rectangular shape (length)			**OPI(#)***	inside lit corner degrees*	**750**	750 lm/ft - **max for GZ, NW, WW, ASO***	**90**	90 CRI
		U(LxLxL)*	U shape (length)			**OPO(#)***	outside lit corner degrees*	**1000**	1000 lm/ft - **max**		
		L(LxL)*	L shape (length)								
		T(LxLxL)*	T shape (length)								
		X(LxLxLxL)*	X shape (length)								
		*Comes in 90 degree only.		FREE FORM for various angles. Minimum 2'.		Specify for FF option only. Please confirm corner degrees. Min 30° *Only available with SO, 0.25G, 1M, and UB direct sheilding options		Outputs between listed min and max are available. * 750 lm/ft max. only for GZ, NW, WW and ASO. Consult factory for outputs outside of the listed range.			

COLOUR TEMP.				SHIELDING DIRECT		SPECIFY LENGTH		FINISH		VOLTAGE		DRIVER	
27	2700 K	**TW2750**	2700-5000 K - Tunable White	**SO**	spotless lens	**NL**	nominal	**AP**	aluminum paint	**120**	120V	**DP**	dimming (0-10V) 1%
30	3000 K	**TW2765**	2700-6500 K - Tunable White	**BFBL**	black flat blade louver	**EX**	exact	**W**	white	**277**	277V	**LT(#)**	Lutron *
35	3500 K	**BTW3527**	3500-2700 K - Tunable BIOS	**WFBL**	white flat blade louver			**BLK**	black	**347**	347V	**BI**	bi-level dimming
40	4000 K	**BTW4027**	4000-2700 K - Tunable BIOS	**GFBL**	grey flat blade louver			**C**	custom	**UNV**	universal	**O(#)**	other **
B30	3000 K - BIOS*			**0.25G**	0.25" Glo lens					**DC**	low voltage*	**DPB(STC)**	dimming (0-10V) 1% with BIOS*
B35	3500 K - BIOS*			**UB**	ultra blend lens							**DPB(DYN)**	Bio-dimming™ 100%-81% with BIOS*
B40	4000 K - BIOS*			**1M**	StepLens , lum. end cap							**TW(#)**	tunable white drivers*
				ASO	asymmetric, flush only							**POE(#)**	POE drivers*
				BW	batwing, flush only								
				NW	narrow, flush only								
				GZ	graze, flush only								
				WW	wallwash, flush only								
Consult Axitune technical sheet for more information on color technology. *Consult BIOS guide for more information on BIOS technology										* Only available with POE drivers.		* Specify system, see page 3. ** Please consult factory	

CIRCUITS		MOUNTING		BATTERY		OTHER		IC CONTROLS (OPTIONAL)		CUSTOM (OPTIONAL)	
1	1 circuit	**SB9**	surface TB/TG 9/16	**B(#)**	battery pack 4' sections	**EF**	end feed	**DS(#)**	daylight sensor	**C**	custom
2	2 circuits	**SB15**	surface TB/TG 15/16			**FW**	flex whip (6' std)*	**OS(#)**	occupancy sensor		
+E(#)	emergency circuit *	**SBS**	surface screw slot t-bar			**CP**	Chicago plenum	**DOS(#)**	daylight & occupancy sensor		
+NL(#)	night light circuit *	**S**	surface drywall ceiling					**EN(#)**	Enlighted integral *		
+GTD(#)	generator transfer device *	**SC**	surface solid ceiling					**ENR(#)**	Enlighted remote *		
								WC(#)	wireless control dimming		
* Specify quantity				Requires 120V or 277V Please consult factory		* Other lengths available; please consult factory.		* Please consult factory See integrated controls guide for more details.		Please specify	

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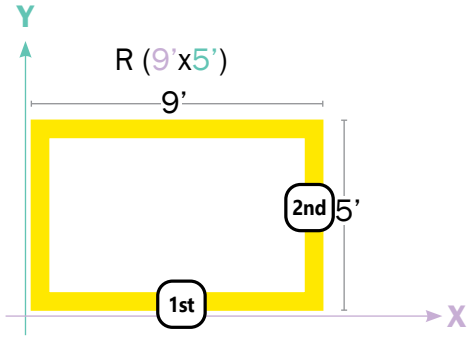
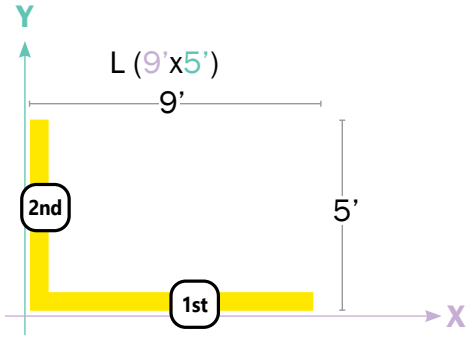
How to Specify 90 degree Corners and Patterns

Defining R - Rectangular shape

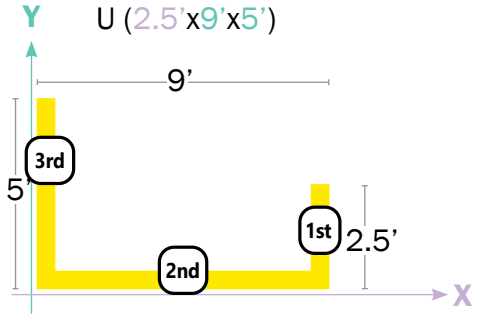


Defining L shape



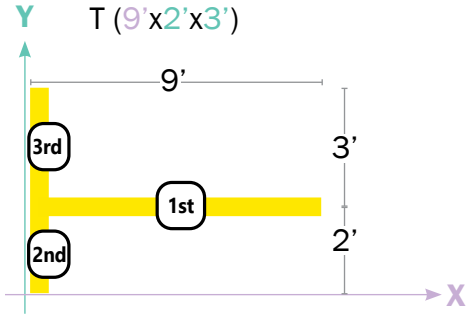
Note: The first number will always define the width, the second - the length.

Defining U shape



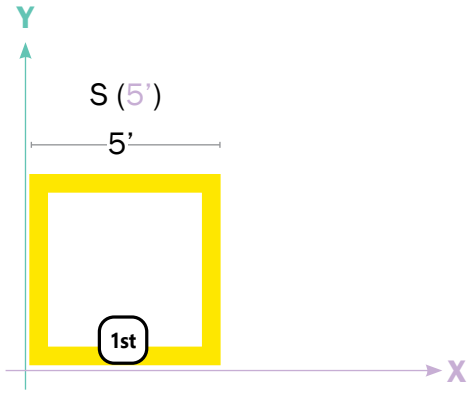
Note: The first number will always define the right arm length, the second - the width, and the third - the left arm length.

Defining T shape



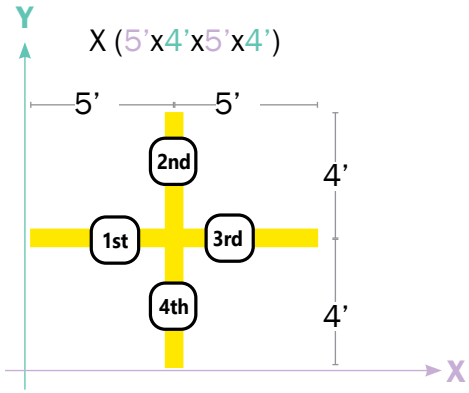
Note: The first number will always define the width, the second - the bottom arm length, and the third - the top arm length.

Defining S - Square shape



Note: The number will define the width. (All sides are the same length).

Defining X shape



Note: The first number will define length of the left arm, the second - the arm length to the right from the first, and so on untill the 4th arm.

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LIT CORNER FEATURES

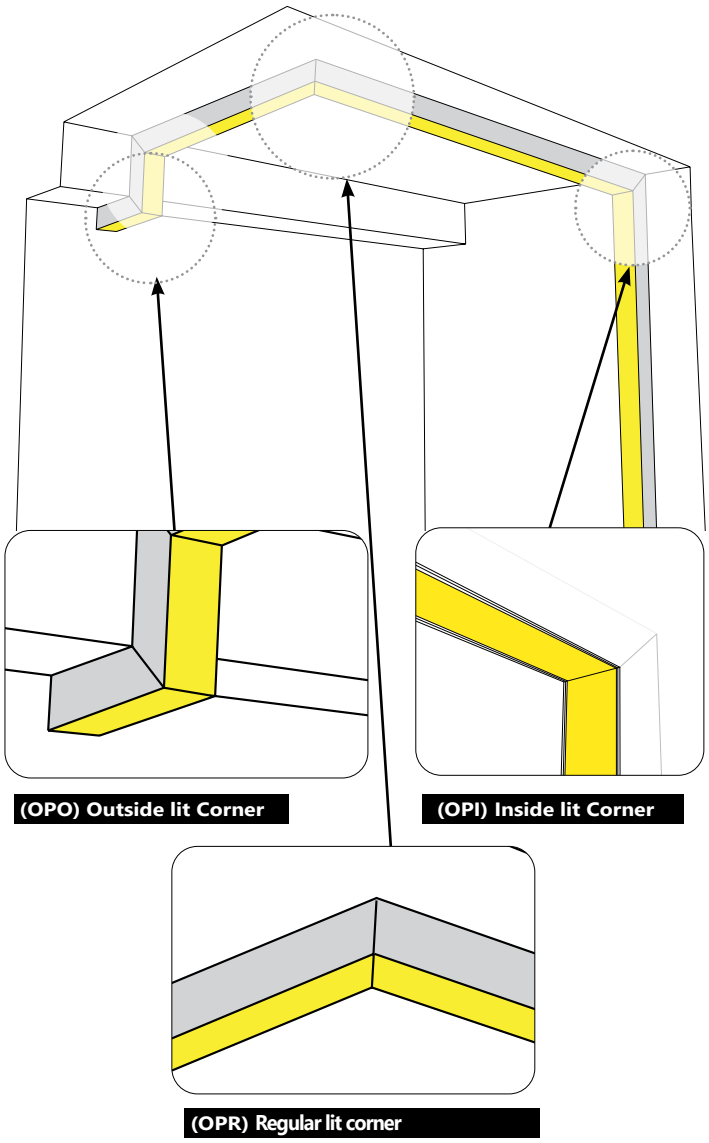
The Lit Corner system allows continuous illumination all the way through the corner section

To optimize corner illumination, lit corners are created as integral components of the linear sections. Linear sections have mitered ends that connect to corresponding mitered ends of neighboring linear sections.

Illuminated Corners are more complex. Because the corner is fully illuminated, the corner is not independent of the straight sections, but integrated into the straight segment's housing. The corner is mitered, allowing a seamless line of light.

Regular Illuminated Corner - This is a fully illuminated corner that lies on the same plane, for example, the ceiling. There are two corner options available for Regular Lit Corners: **Open Shape Corner** and **Closed Shape Corner**

TIP: *Provide sketches illustrating corner types and locations required.*



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ELECTRICAL

Lutron driver	**LDE1** - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black
Other drivers**	**DALI** - Digital Addressable Lighting Interface **DMX** - Digital Multiplex **Xitanium SR** - For wireless sensor
BIOS DPB drivers*	**STC** - BIOS control 0-10V with static spectrum and BIOS SkyBlue enabled from 100% to 1%. **DYN** - BIOS control 0-10V with dynamic spectrum and BIOS SkyBlue® with Bio-Dimming™, which changes spectral qualities by removing the SkyBlue component when dimming from 100% to 81%, while light output remains relatively constant; bio-dimming reduces CCT to 2700K. Dimming from 80% to 1% will then reduce light output.
Tunable White TW drivers*	**DALIDT6** - DALI Type 6 (Two DALI Addresses) **DALIDT8** - DALI Type 8 (One DALI Address)
Power over Ethernet POE drivers* UL2108 certified for integral or remote driver	MOLEX IGOR SMARTENGINE **O** - Other (Consult factory)
Emergency	Integral emergency battery pack or emergency circuit optional.
Input Voltage	120V, 277V, 347V, UNV, DC.
Flex Whip	Shipped in a separate box for contractors to install

***Choose driver from available options.**

Incorporating these components may have limitations or affect the length of the luminaire. Please contact factory for more details.

WARRANTY

Limited 5-year warranty is available. Warranty is valid provided luminaires are installed and used according to specifications. For full terms and conditions, please consult warranty section at axislighting.com.

APPROVALS

Certified to UL and CUL standards
Meets NYC requirements
Meets ADA requirements.
Suitable for damp locations.

LED SYSTEM

CRI	Minimum 80 or 90 color rendering index.
CRI BIOS	Minimum 80 color rendering index with R9>75 for all CCTs.
CCT Single Color	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3–step MacAdam ellipse). Both within fixture and fixture to fixture.
CCT BIOS	BIOS Static (STC) Choice of 3000K, 3500K and 4000K. BIOS SkyBlue® Dynamic (DYN) Choice of 3000K, 3500K, and 4000K with Bio-Dimming™ BIOS Tunable White (BTW) Choice of 4000-2700K and 3500-2700K; does not use a bio-dimmer, it uses TW drivers, which allow independent control of CCT and intensity; e.g., BTW4027 provides combined SkyBlue + white light at 4000K, SkyBlue is removed at 2700K. Light output can be adjusted for each CCT. Consult BIOS guide for more information on BIOS technology.
CCT Axitune Systems	Consult Axitune technical sheet for more information on color technology.
LED life	Minimum 50,000h with 85% of lumen maintenance in 25^{0}C ambient temperature, in compliance with IES LM-80 testing measurements.
Thermal Management	Aluminum housing acting as the heat sink to maximize life.
Environment	Dry and damp rated for indoor use only in operating ambient temperatures of 0-40^{0}C (32-104F).

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