

# Beam 3 LED

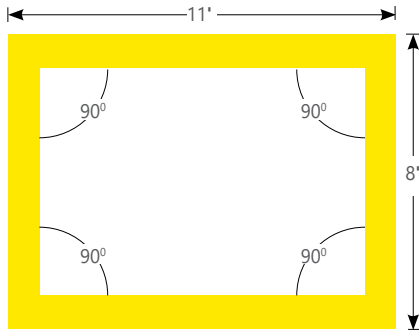
## SURFACE MOUNT - REGULAR LIT CORNER PATTERNS

Project \_\_\_\_\_

Type \_\_\_\_\_

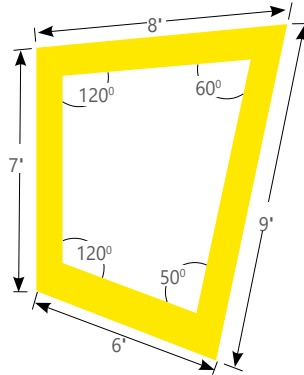
Notes \_\_\_\_\_

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



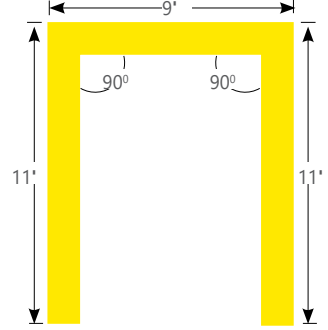
TB3SLEDPAT	R (11'X8')
PRODUCT ID	PATTERNS AND LENGTH

TOP VIEW - Rectangle Corner Pattern



TB3SLEDPAT	FF(30)	OPR(120+60+50+120)
PRODUCT ID	PATTERNS AND LENGTH	CORNER DEGREES

TOP VIEW - Corner Pattern



TB3SLEDPAT	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



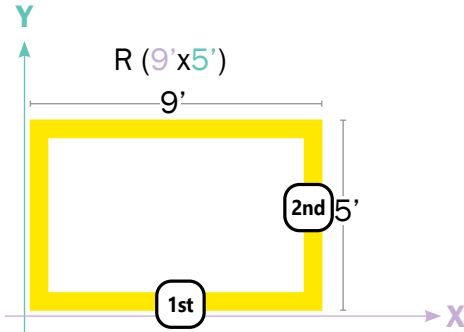
PRODUCT ID	PATTERNS AND LENGTH (SELECT ONE)	CORNER DEGREES (OPT.)	LUMENS/FT	CRI
TB3SLEDPAT	beam 3 led surface			
	<b>S(L)*</b> square shape (length) <b>R(LxL)*</b> rectangular shape (length) <b>U(LxLxL)*</b> U shape (length) <b>L(LxL)*</b> L shape (length) <b>T(LxLxL)*</b> T shape (length) <b>X(LxLxLxL)*</b> X shape (length)	<b>FF(L)</b> total pattern length  FREE FORM for various angles. Minimum 2'.	<b>OPR(#)</b> regular lit corner degrees <b>OPI(#)*</b> inside lit corner degrees* <b>OPO(#)*</b> outside lit corner degrees*	Specify for FF option only. Please confirm corner degrees. Min 45°. *Only available with SO, 0.25G, 1.5M, and UB direct shielding options
	*Comes in 90 degree only.		<b>300</b> 300 lm/ft - min <b>1000</b> 1000 lm/ft - max for GZ, NW, WW, ASO.* <b>1100</b> 1100 lm/ft - max	<b>80</b> 80 CRI <b>90</b> 90 CRI
			Outputs between listed min and max are available. * 1000 lm/ft max. only for GZ, NW, WW and ASO. Consult factory for outputs outside of the listed range.	

COLOUR TEMP.	SHIELDING	SPECIFY LENGTH	FINISH	VOLTAGE	DRIVER
<b>27</b> 2700 K <b>30</b> 3000 K <b>35</b> 3500 K <b>40</b> 4000 K <b>B30</b> 3000 K - BIOS* <b>B35</b> 3500 K - BIOS* <b>B40</b> 4000 K - BIOS*	<b>SO</b> spotless lens <b>ASO</b> asymmetric, flush only <b>0.25G</b> 0.25" Glo lens <b>1.25M</b> StepLens, lum. end cap <b>UB</b> Ultra blend lens (Flush only) <b>BW</b> batwing, flush only <b>NW</b> narrow, flush only <b>GZ</b> graze, flush only <b>WW</b> wallwash, flush only	<b>NL</b> nominal <b>EX</b> exact	<b>AP</b> aluminum paint <b>W</b> white <b>BLK</b> black <b>C</b> custom	<b>120</b> 120V <b>277</b> 277V <b>347</b> 347V <b>UNV</b> universal <b>DC</b> low voltage*	<b>DP</b> dimming (0-10V) 1% <b>LT(#)</b> Lutron * <b>BI</b> bi-level dimming <b>O(#)</b> other ** <b>DPB(STC)</b> dimming (0-10V) 1% with BIOS* <b>DPB(DYN)</b> Bio-dimming™ 100%-81% with BIOS* <b>TW(#)</b> tunable white drivers* <b>POE(#)</b> POE drivers*
<a href="#">Consult Axitone technical sheet for more information on color technology.</a> <a href="#">*Consult BIOS guide for more information on BIOS technology</a>	Choose only one of the options above; SurroundLite not available with direct			* Only available with POE drivers.	* Specify system, see page 3. ** Please consult factory

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

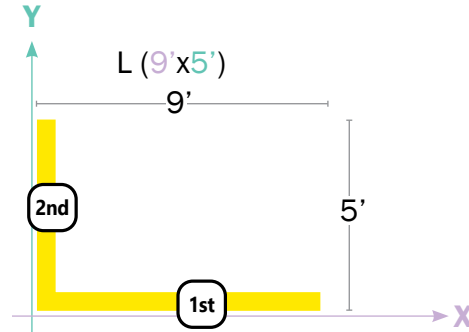
### How to Specify 90 degree Corners and Patterns

#### Defining R - Rectangular shape

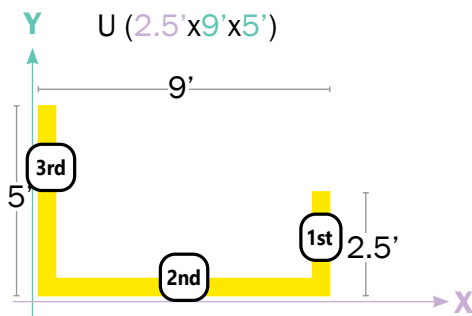


**Note:** The first number will always define the width, the second - the length.

#### Defining L shape

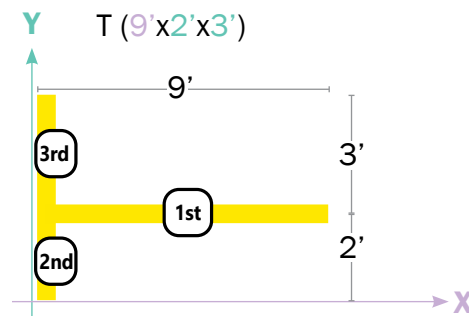


#### Defining U shape



**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



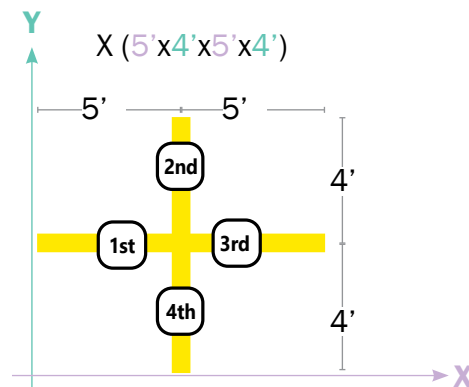
**Note:** The first number will always define the width, the second - the bottom arm length, and the third - the top arm length.

#### 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 until the 4th arm.

### ● LIT CORNER FEATURES

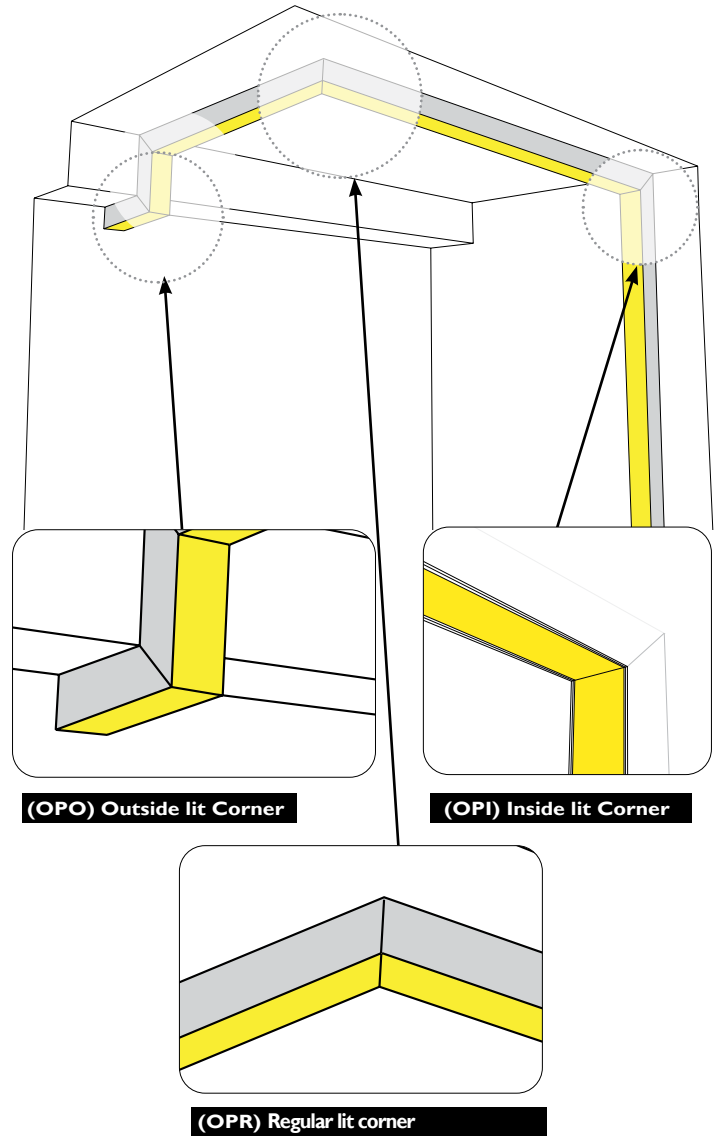
The Lit Corner system allows continuous illumination all the way through the corner section

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.



### ELECTRICAL

<b>Lutron driver</b>	LDE1 - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black
<b>Other drivers**</b>	DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex Xitanium SR - For wireless sensor
<b>BIOS DPB drivers*</b>	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.
<b>Tunable White TW drivers*</b>	DALIDT6 - DALI Type 6 (Two DALI Addresses) DALIDT8 - DALI Type 8 (One DALI Address)
<b>Power over Ethernet POE drivers*</b>	MOLEX IGOR SMARTENGINE O - Other (Consult factory)
<b>Emergency</b>	Integral emergency battery pack or emergency circuit optional.
<b>Input Voltage</b>	120V, 277V, 347V, UNV, DC.
<b>Flex Whip</b>	Shipped in a separate box for contractors to install


\*Choose driver from available options.

**i** 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](http://axislighting.com).

### APPROVALS

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

### LED SYSTEM

<b>CRI</b>	Minimum 80 or 90 color rendering index.
<b>CRI BIOS</b>	Minimum 80 color rendering index with R9>75 for all CCTs.
<b>CCT Single Color</b>	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.
<b>CCT BIOS</b>	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. <a href="#">Consult BIOS guide for more information on BIOS technology.</a>
<b>CCT Axitune Systems</b>	<a href="#">Consult Axitune technical sheet for more information on color technology.</a>
<b>LED life</b>	Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
<b>Thermal Management</b>	Aluminum housing acting as the heat sink to maximize life.
<b>Environment</b>	Dry and damp rated for indoor use only in operating ambient temperatures of 0-40°C (32-104°F).



A large grid of squares, intended for drawing corner patterns. The grid is composed of 30 columns and 30 rows of squares, providing a space for technical drawings.