

SlotLine & SlotLine Pro

CONTINUOUS LINE OF LIGHT LED ACCENT LIGHTING SYSTEM
24VDC REMOTE POWER



Buy Tempo
Buy American

MADE IN
USA
OF US AND IMPORTED COMPONENTS

WARRANTY

Tempo provides a 5-year limited warranty.

86,000 HOURS

L85 LUMEN MAINTENANCE

LED Luminaires will reach 85% of initial lumen output at or beyond 86,000 hours at 25°C.



APPLICATION

Field configurable surface mount or recessed accent lighting system able to go up to 100 feet with a single continuous opal lens. Extruded aluminum mounting channels with trim, no trim or mud-in designs to create dramatic, continuous lines of light in straight, angled or corner applications. Uniform light output achieved with Tempo designed LED light engines and refractive opal lenses that are both micro-maintainable in the field and can be easily replaced. Two light engines to choose from:

SlotLine - Low power static colors for accent lighting or wayfinding in environments with limited ambient light.

SlotLine Pro - Higher power version capable of providing architectural accent lighting even in high ambient light areas. Features white light options in 1800K to 4200K plus static colors.

Designed with Tempo's modular CLiP[®] (Configurable Lighting Platform) technology, the SlotLine Pro series features 9 inch "caboose" light engines, field configurable to 6 inch or 3 inch lengths.

CONSTRUCTION

- Anodized aluminum mounting channels in 8 foot sections that can be field cut to length as needed. Anodized color options available on exposed designs.
- Mounting channel options:
 - Surface mount
 - Recessed no trim
 - Recessed with trim
 - Recessed mud-in
- Extruded plastic light engine housing is form fit to easily snap into mounting channel - no screws or clips required.
- CSA listed.

LENS / DIFFUSER

- Flexible opal lens produces a smooth and seamless line of light up to 100 feet long.
- UV resistant, will not fade or discolor over time.

POWER SYSTEM

- Tempo supplied 24VDC remote, Class II low voltage power supplies and enclosures.
- Triac dimming to 1%
0-10V dimming to under 10%
DMX dimming to 1%

PERFORMANCE

- SlotLine: 1W/ft and 2W/ft options.
- SlotLine Pro: 2W/ft and 4W/ft options.
- Dense pack LED spacing for high uniformity illumination between modules.
- Operating temperature range of -40°C to 50°C
- Power Supply Total Harmonic Distortion <20%, Power Factor >0.9

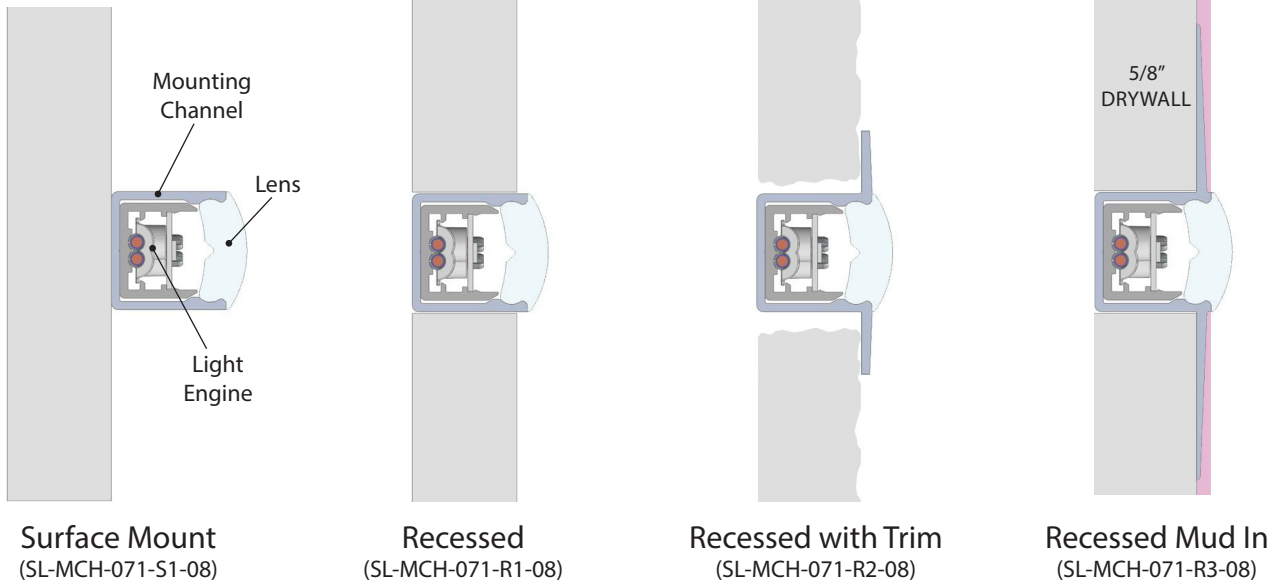
LIGHT CHARACTERISTICS

- SlotLine:
Available in static Red, Green, Lime Green, Blue, Amber and Orange.
- SlotLine Pro:
Available in static 1800K, 2000K, 2400K, 2700K, 3000K, 3500K, 4200K, Red, Green, Amber and Blue.
- Typical CRI of 80+
- All LED's are selected and placed on the printed circuit boards via the Tempo UniBin[™] process which ensures consistent hue and color within the entire run. White color variations are held to within a maximum of a 2-step MacAdam ellipse.



Complete Lighting System with Multiple Remote 24VDC Power Supply Options

APPLICATIONS



NIT MEASUREMENTS

Nit is a measurement of visual light intensity. One nit is equal to one candela per square meter.

SlotLine Light Engine	RED	GREEN	BLUE	AMBER	ORANGE	LIME	1800K	2000K	2400K	2700K	3000K	3500K	4200K
ECO 1w/ft	70	220	105	39	68	19							
ECO 2w/ft	106	379	163	65	125	33							
PRO 2w/ft	1,060	2,489	402	2,222			2,003	2,260	2,647	2,791	2,892	2,817	2,925
PRO 4w/ft	1,826	4,117	870	4,513			3,867	4,198	4,969	5,283	5,440	5,260	5,510

NIT COMPARISON EXAMPLES



Movie Theatre Screen - 65 nits



Apple Macbook Pro - 500 nits



Samsung UHD TV - 1,500 nits

LUMEN OUTPUT (lm/ft)

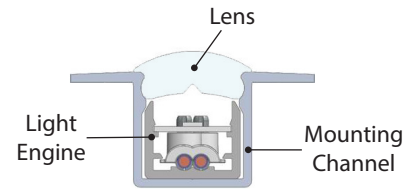
SlotLine Light Engine	1800K	2000K	2400K	2700K	3000K	3500K	4200K
PRO 2w/ft	39	43	51	53	55	55	58
PRO 4w/ft	73	80	96	100	104	104	108

SlotLine Linear luminaires are easily specified with three simple steps.

1
Select Light Engine:
SlotLine or
SlotLine Pro

2
Select
mounting
channel

3
Select
lens type
and length



STEP ONE - Specify a SlotLine or SlotLine Pro light engine

SLOTLINE LIGHT ENGINE

Example: SL-ECO-24DC-01-BL-04 SlotLine Light Engine, 24VDC, 1W/ft, Blue, 4 foot

SL	ECO	24DC			
Series	Type	Voltage	Wattage	LED Color	Length
SlotLine	ECO Economy Light Engine	24DC 24V DC	01 1.0W/ft 02 2.0W/ft	RD Red (630nm) GR Green (525nm) BL Blue (470nm) AM Amber (590nm) OR Orange (605nm) LM Lime Green (570nm)	01 1 foot 02 2 foot 03 3 foot 04 4 foot

SLOTLINE PRO LIGHT ENGINE

Example: SL-PRO-24DC-04-27-04 SlotLine Pro Light Engine, 24VDC, 4.0W/ft, 2700K, 4 foot

SL	PRO	24DC			
Series	Type	Voltage	Wattage	LED Color	Length
SlotLine	PRO Pro Light Engine	24DC 24V DC	02 2.0W/ft 04 4.0W/ft	18 1800K 20 2000K 24 2400K 27 2700K 30 3000K 35 3500K 42 4200K RD Red (625nm) GR Green (540nm) BL Blue (470nm) AM Amber (590nm)	01 1 foot 02 2 foot 03 3 foot 04 4 foot 369 9 inch*

* 369 "Caboose" is a 9 inch light engine that can also be field cut to 6 inches or 3 inches to finish runs. Only available with PRO light engines.

ORDERING INFORMATION (continued)

STEP TWO - Specify the field configurable mounting channel

MOUNTING CHANNEL
 Example: **SL-MCH-071-R3-08-CL** SlotLine Mounting Channel, Narrow .71" Recessed Mud-In, 8 foot, Clear Anodized

SL	MCH	071		08	
Series	Type	Size	Application	Length	Finish
SlotLine	MCH Mounting Channel	071 Narrow 0.71"	S1 Surface R1 Recessed (No Trim) R2 Recessed with Trim R3 Recessed Mud In	08 8 Foot	CL Clear Anodized <i>Powder coat Color Options For S1 and R2 Only:</i> CC* Custom Color

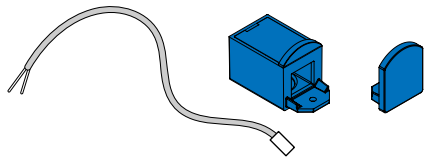
* Custom powdercoat colors available. Consult factory for minimums, lead times and color options.

STEP THREE - Specify the field configurable lens size & length

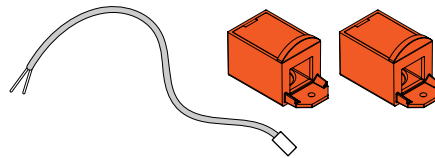
LENS
 Example: **SL-LNZ-071-FS-01-100** SlotLine Lens, Narrow .71" Flush Surface, Opal, 100 foot

SL	LNZ	071	FS	01	
Series	Type	Size*	Style	Lens Type	Length
SlotLine	LNZ Refractive Lens	071 Narrow 0.71"	FS Flush Surface	01 Opal	100 100 Foot Roll 050 50 Foot Roll

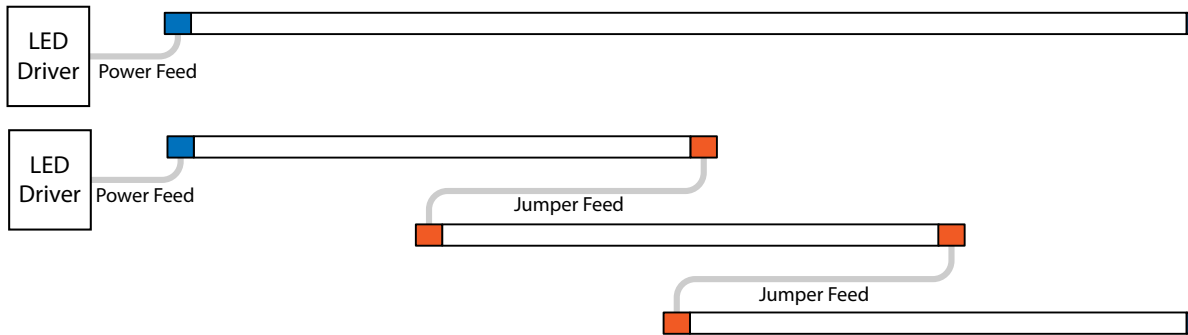
REQUIRED SYSTEM INTEGRATION ACCESSORIES



Power Feed Cable (PFSL-xx-xx)
Includes one Feeder Box & one End Cap.



Jumper Feed Cable (JFSL-xx-xx)
Includes two Feeder Boxes to make connections.



POWER FEED CABLES Includes one Feeder Box and one End Cap

PFSL-S1-24	Power Feed Cable, 24 inches; 1 Feeder Box & 1 End Cap for Surface (S1) and Recessed (R1 & R2) mounting channels
PFSL-S1-72	Power Feed Cable, 72 inches; 1 Feeder Box & 1 End Cap for Surface (S1) and Recessed (R1 & R2) mounting channels
PFSL-R3-24	Power Feed Cable, 24 inches; 1 Feeder Box & 1 End Cap for Mud-In (R3) mounting channel
PFSL-R3-72	Power Feed Cable, 72 inches; 1 Feeder Box & 1 End Cap for Mud-In (R3) mounting channel

JUMPER FEED CABLES Includes two Feeder Boxes

JFSL-S1-24	Power Feed Cable, 24 inches; 2 Feeder Boxes for Surface (S1) and Recessed (R1 & R2) mounting channels
JFSL-S1-72	Power Feed Cable, 72 inches; 2 Feeder Boxes for Surface (S1) and Recessed (R1 & R2) mounting channels
JFSL-R3-24	Power Feed Cable, 24 inches; 2 Feeder Boxes for Mud-In (R3) mounting channel
JFSL-R3-72	Power Feed Cable, 72 inches; 2 Feeder Boxes for Mud-In (R3) mounting channel

POWER SUPPLIES - 24V Output Must be installed in close proximity to luminaire. See Driver Remote Distance chart.

PWR-120-EM-040-T	120V AC Input, 24V DC Output, 40W, Triac Dimming (dim to 1%) Lutron Hi-Lume 1% 2-wire LED driver, 120V forward phase; 3.0"W x 1.0" H x 4.9" L	
PWR-120-EM-040-T-1	120V AC Input, 24V DC Output, 40W, Triac Dimming (dim to 1%) Lutron Hi-Lume 1% 2-wire LED driver, 120V forward phase; 1.2"W x 1.0" H x 14.25" L	
PWR-UNV-EM-96-DMX	120-277V AC Input, 24V DC Output, 96W, DMX/RDM Dimming; 2.6"W x 1.3" H x 9.7" L	
PWR-UNV-EM-060	120-277V AC Input, 24V DC Output, 60W, Non-Dimming; 1.7"W x 1.2" H x 9.5" L	
PWR-UNV-EM-060-Z	120-277V AC Input, 24V DC Output, 60W, 0-10V Dimming (dim to under 10%); 1.7"W x 1.2" H x 9.5" L	
PWR-UNV-EM-100	120-277V AC Input, 24V DC Output, 100W, Non-Dimming; 1.7"W x 1.2" H x 9.5" L	
PWR-UNV-EM-100-Z-JB	Plenum Rated J-Box Driver, 120-277V AC Input, 24V DC Output, 100W, 0-10V Dimming (dim to under 10%); 2.5"W x 1.7" H x 12.4" L	

SURGE SUPPRESSION DEVICE A Tempo furnished surge suppression device must be installed on each supplying branch circuit to comply with 5-year warranty terms

SSD-120	120V Branch Circuit
SSD-277	277V Branch Circuit

OPTIONAL SYSTEM INTEGRATION ACCESSORIES

MOUNTING HARDWARE	
SCR-WS-06-1-50	Bag of 50 Mounting Screws for Wood Stud applications, #6 x 1" Phillips
SCR-MS-06-1-50	Bag of 50 Mounting Screws for Metal Stud applications, #6 x 1" Phillips
SCR-DW-06-1-50	Bag of 50 Mounting Screws for Drywall & Mud-In Drywall applications, #6 x 1" Phillips
SCR-TW-0632-1.75-50	Bag of 50 Toggle Wings & 6-32 x 1.75" screws for Hollow Drywall applications

CONNECTORS Note: Each light engine ordered includes one connector. Extra connectors available in bags of 20.	
SLA-071-TWC	Bag of 20 Thru Wire Connectors for SlotLine ECO and PRO light engines

ADDITIONAL WIRE (For extra long leads or jumpers if needed)	
WIR-16-2C-PR-300	Plenum rated wire for longer feeds, 300 foot spool, 16AWG Class 2 CMP/CL3P (suitable for use in walls, ceilings and plenum)

DRIVER ENCLOSURES	
PWR-ENC-181204	Power Enclosure, 18" x 12" x 4", Nema 1, Gray (Maximum of 2 100W Drivers or 3 40W & 60W Drivers per enclosure)
PWR-ENC-182404	Power Enclosure, 18" x 24" x 4", Nema 1, Gray (Maximum of 3 100W Drivers or 3 40W & 60W Drivers per Enclosure)

MAXIMUM RUN LENGTHS

24V Driver	1.0W/ft	2.0W/ft	4.0W/ft
100W	100 feet	50	25
60W	60 feet	30	15
40W	40 feet	20	10

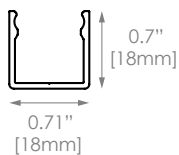
DRIVER REMOTE DISTANCE

	Wire Gauge	Maximum Lead Length
24VDC Driver	18 AWG	15ft (4.5m)
	16 AWG	25ft (7.5m)
	14 AWG*	40ft (12m)
	12 AWG*	60ft (18m)

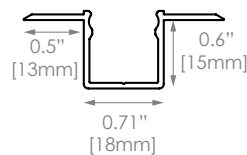
* Terminal blocks on the drivers accept 18AWG or 16AWG wire. To use wire gauges larger than 16AWG connect up to 3 ft of 18AWG or 16AWG, then connect 14AWG or 12AWG with UL approved wire nuts up to the maximum lead length in the above table.

DIMENSIONAL INFORMATION

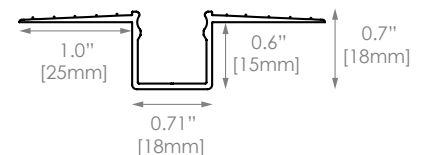
Mounting Channels (8 foot lengths)



Surface (SL-MCH-071-S1-08)
and
Recessed (SL-MCH-071-R1-08)



Recessed with Trim
(SL-MCH-071-R2-08)

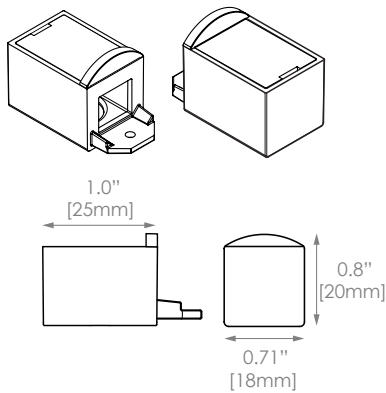


Recessed Mud In
(SL-MCH-071-R3-08)

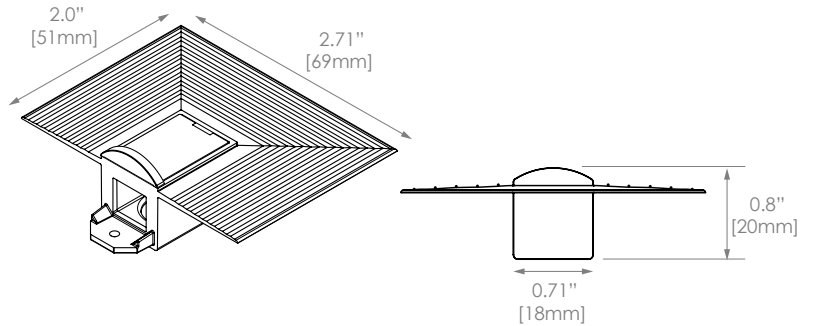
DIMENSIONAL INFORMATION CONTINUED

Feeder Boxes & End Caps (One of each included with Power/Jumper feed)

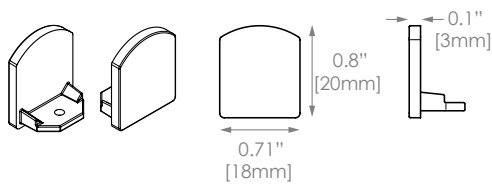
Feeder-Box (S1, R1 & R2)



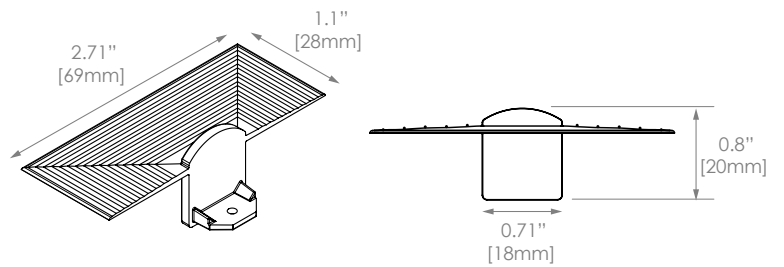
Feeder-Box Mud In (R3)



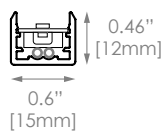
End Cap (S1, R1 & R2)



End Cap Mud In (R3)



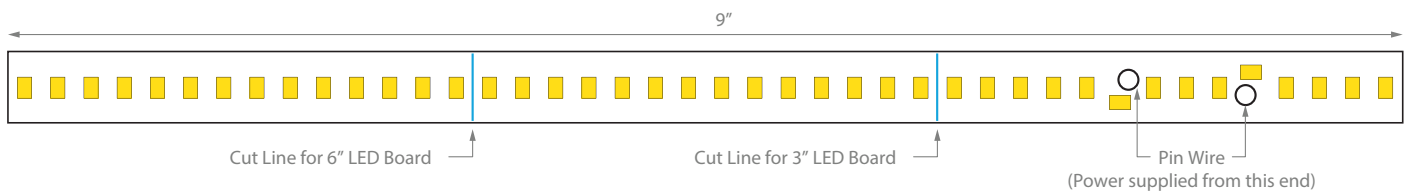
Light Engine (1', 2', 3' & 4' lengths)



Lens (50' or 100' rolls)



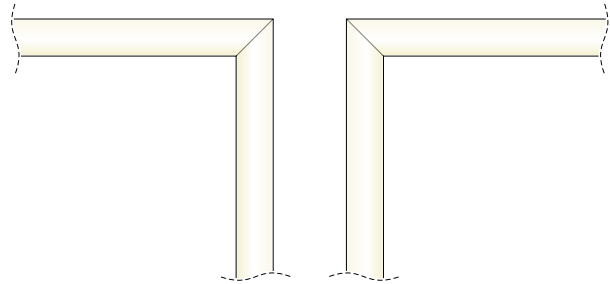
369 Caboose Light Engine



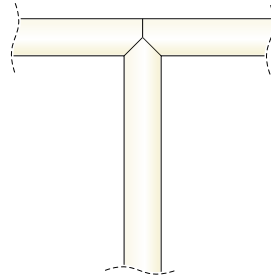
ANGLES AND CORNER DETAILS

Note: SlotLine is a field configurable product, all miter cuts to be performed in the field. Please reference Power Feed Options and Dimensional Layout Guidelines on following pages and see Installation Instructions for further details.

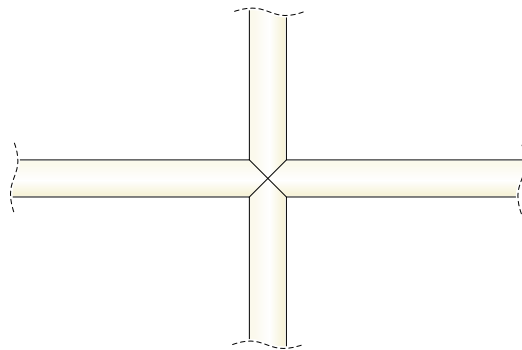
90° Turns



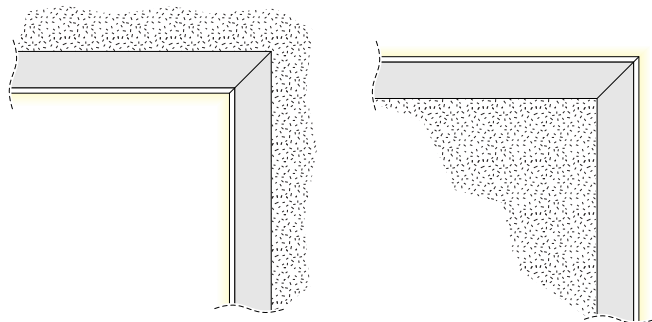
"T" Sections



Cross Sections

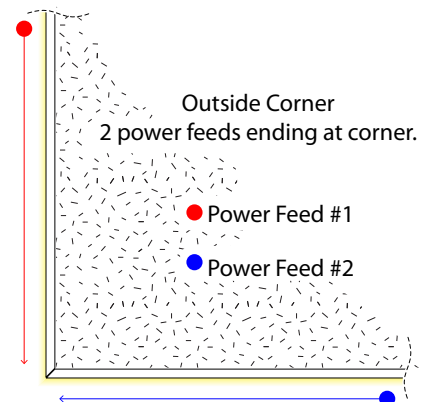
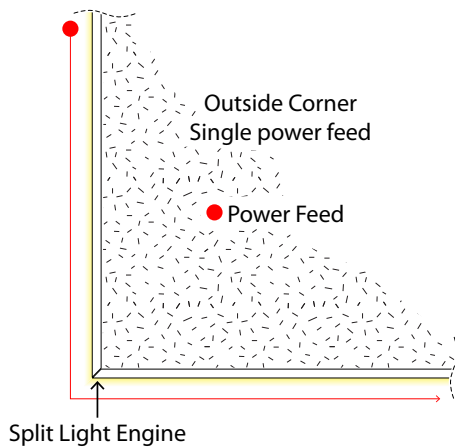
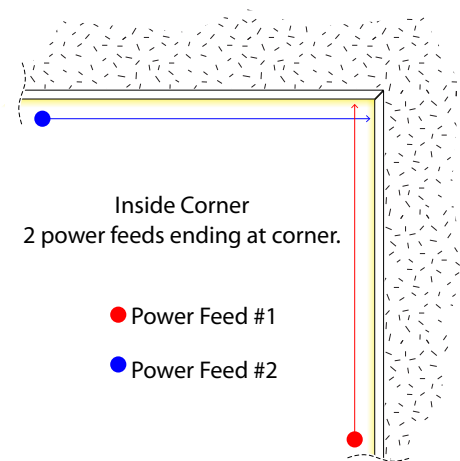
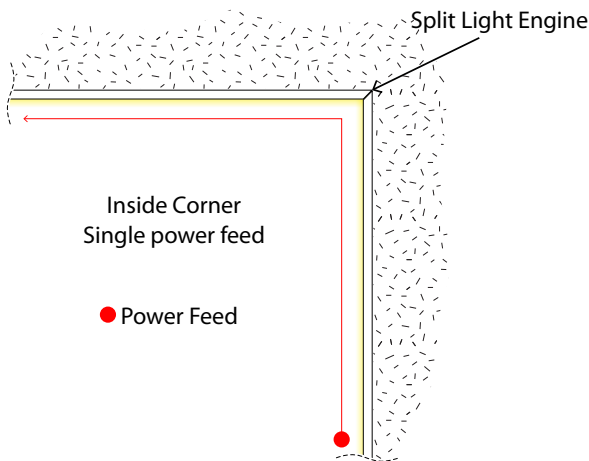
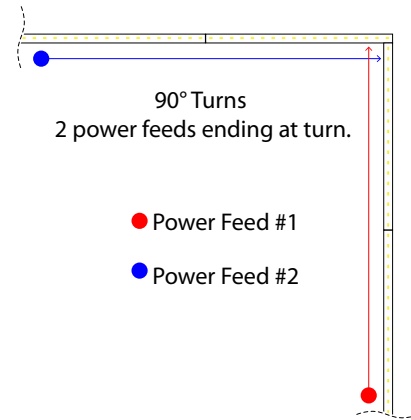
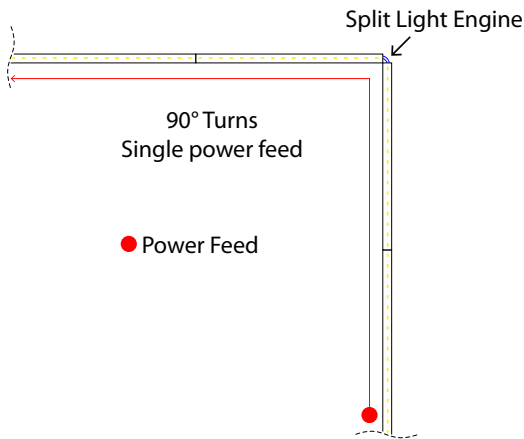


Inside & Outside Corners



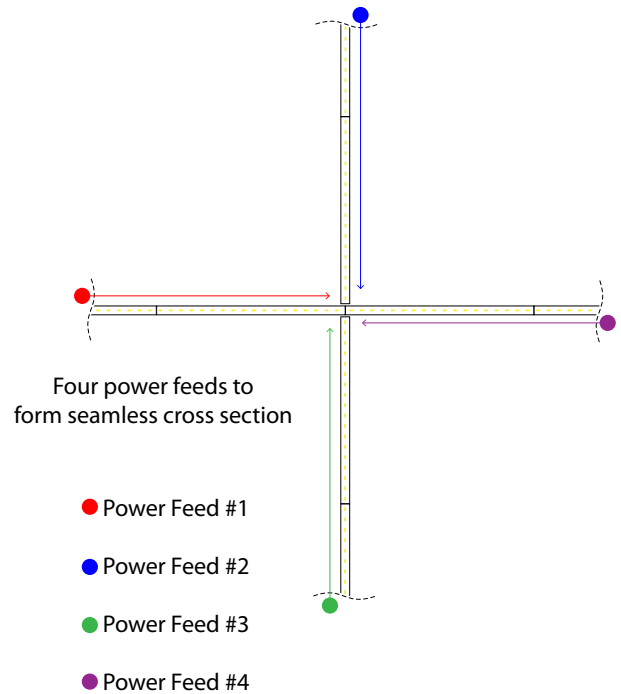
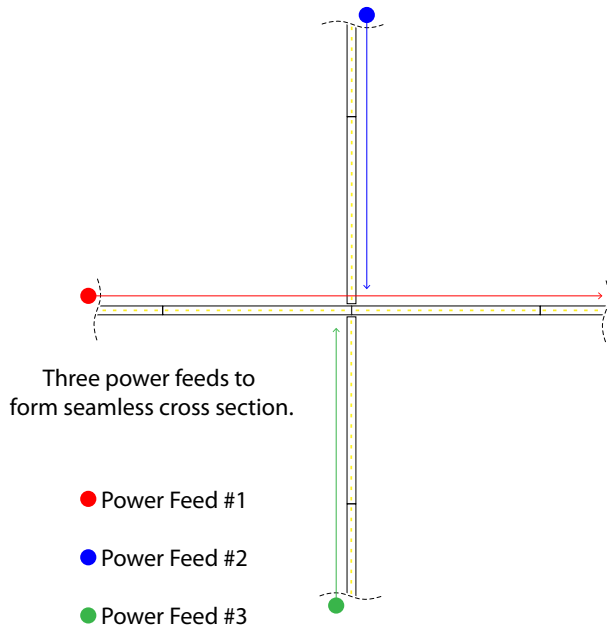
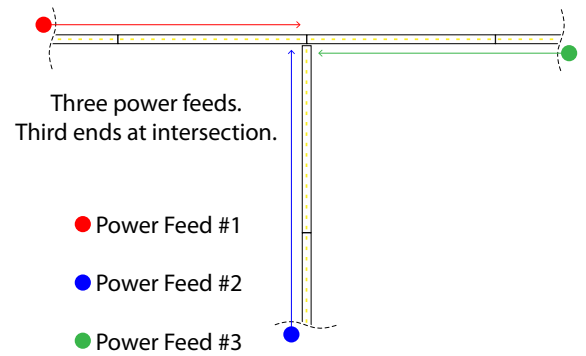
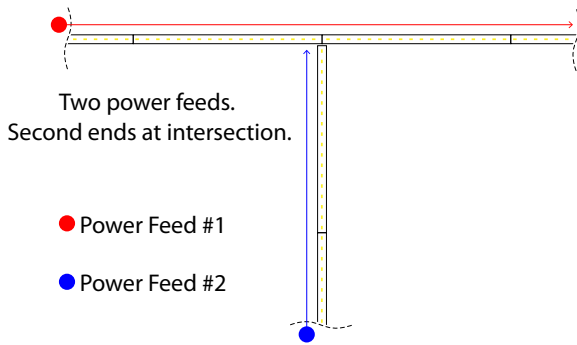
POWER FEED OPTIONS FOR TURNS & CORNERS

IMPORTANT NOTE - Turns & Corners cannot be made with SlotLine connector. Must field modify Light Engine by splitting in between LED boards to make turns (see Installation Instructions) or design layout so runs end at each turn or corner as shown below.

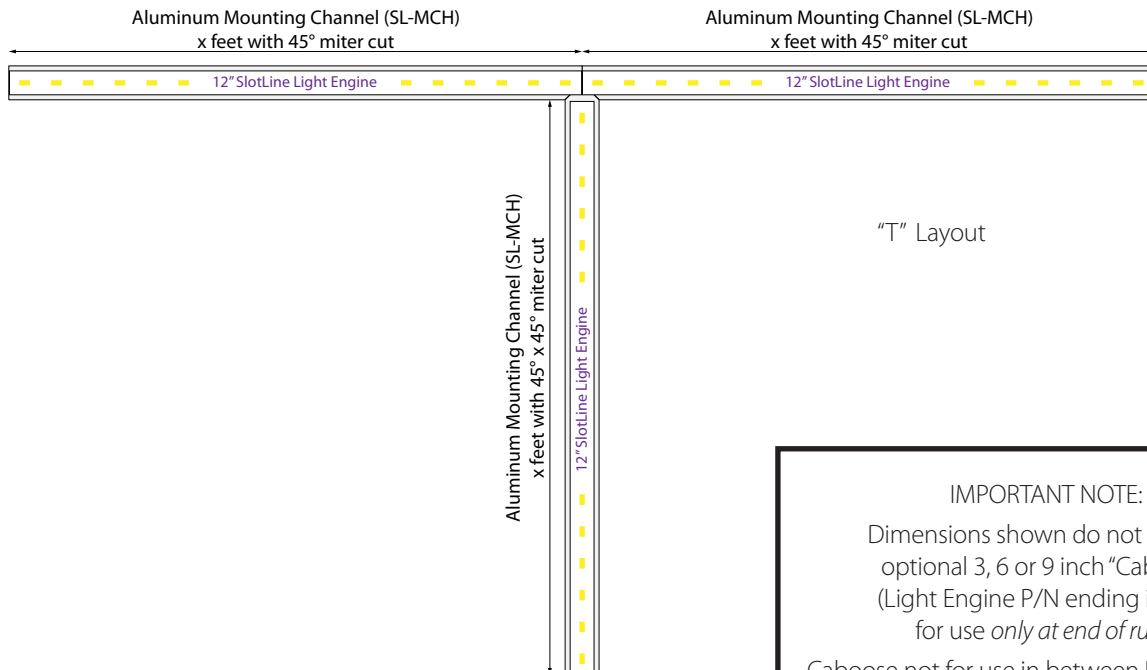
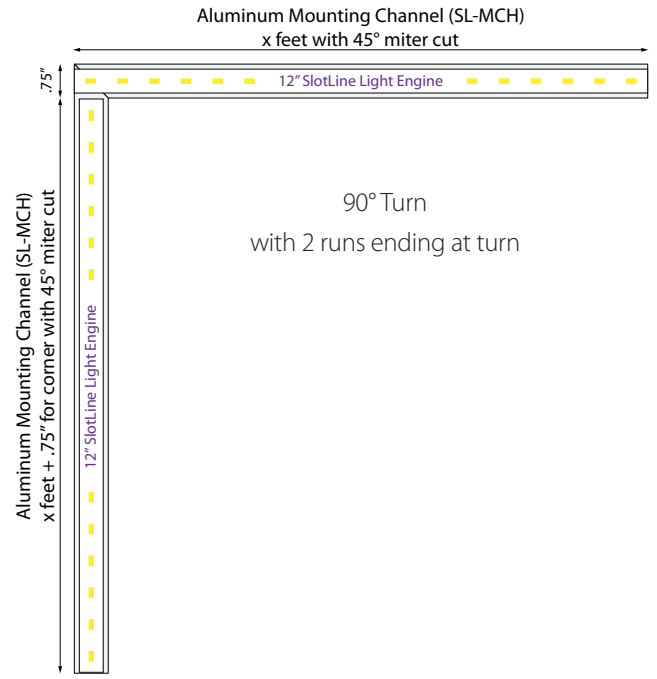
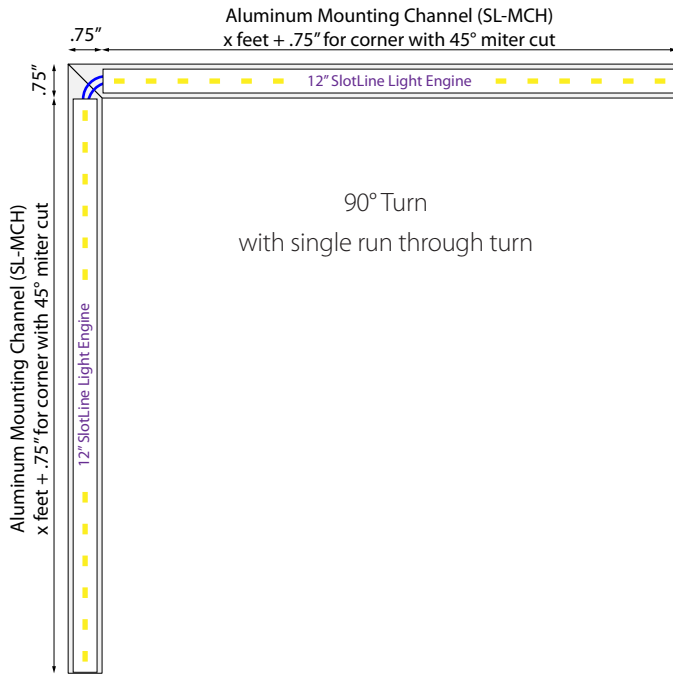


POWER FEED OPTIONS FOR INTERSECTIONS

NOTE - Vertical runs shown below can meet Horizontal run at any point along Horizontal run.
Does not need to be inbetween LED Boards as shown below.

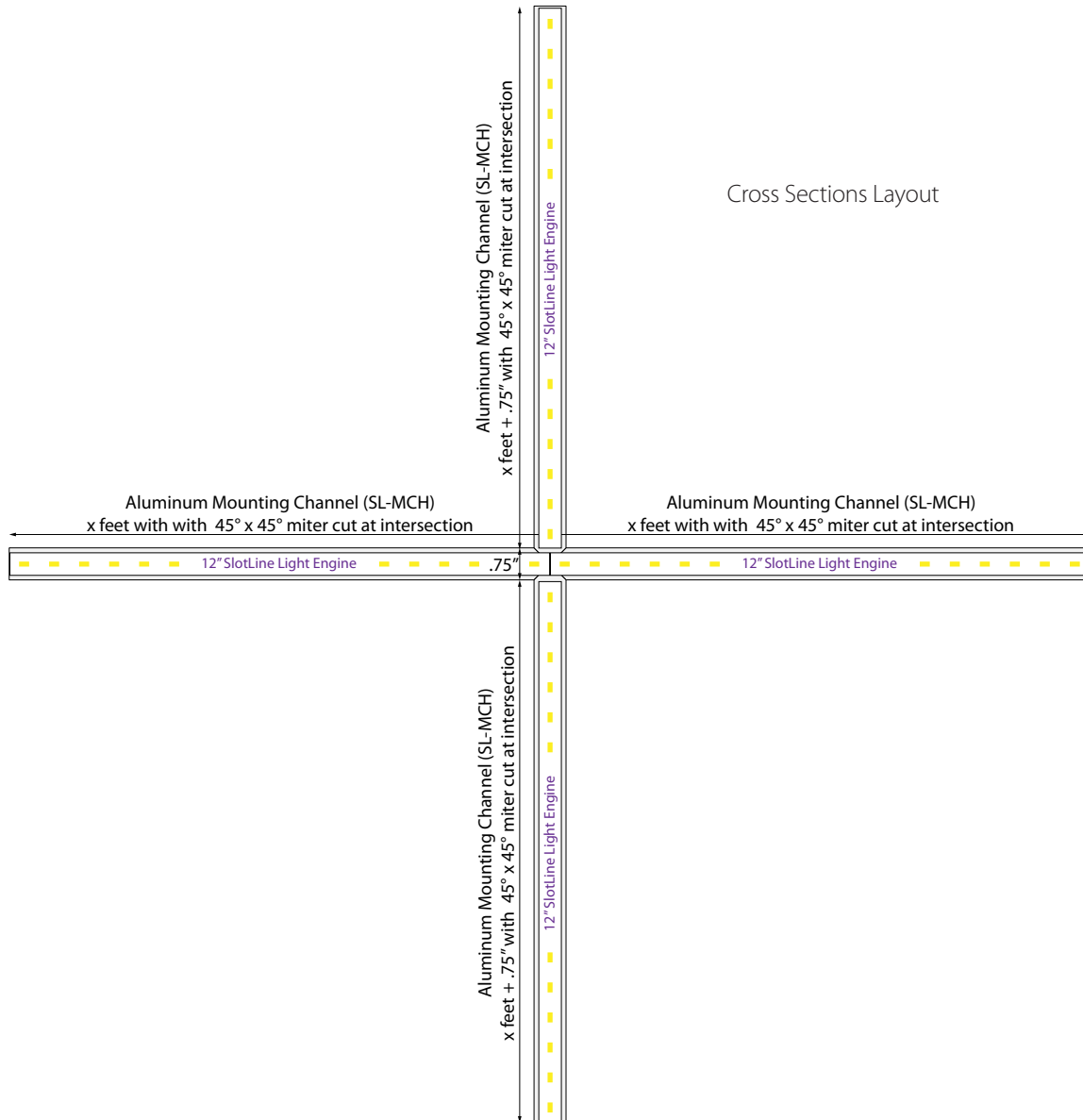


DIMENSIONAL LAYOUT GUIDELINES FOR ALUMINUM MOUNTING CHANNELS



IMPORTANT NOTE:
 Dimensions shown do not include optional 3, 6 or 9 inch "Caboose" (Light Engine P/N ending in 369) for use *only at end of runs*.
 Caboose not for use in between Light Engines

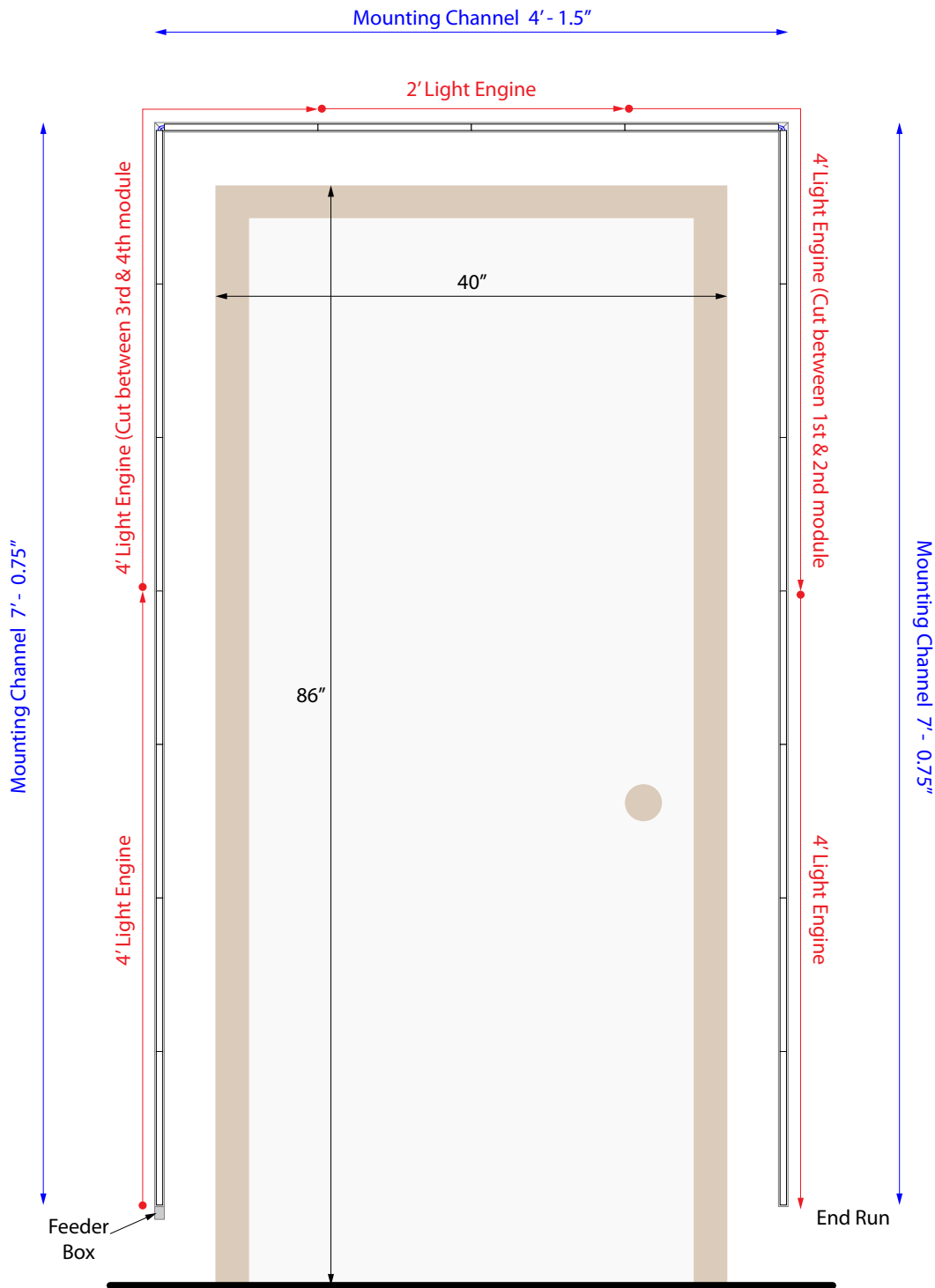
DIMENSIONAL LAYOUT GUIDELINES



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 Caboose not for use in between Light Engines

DIMENSIONAL LAYOUT GUIDELINES

Layout Example Around 40" x 86" Door



Tempo Industries reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program. Please consult www.tempollc.com for the most up-to-date specifications and technical data.