

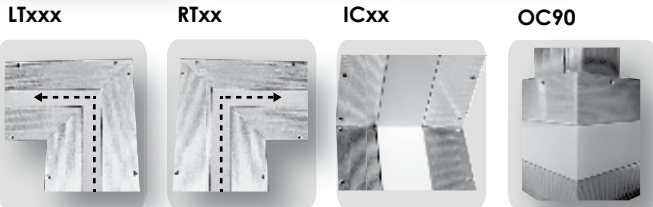
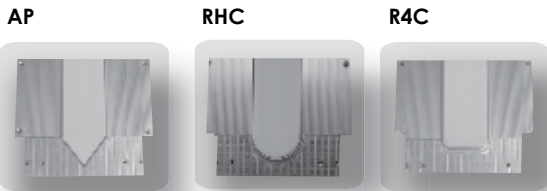
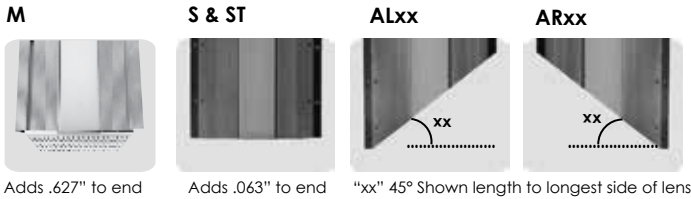
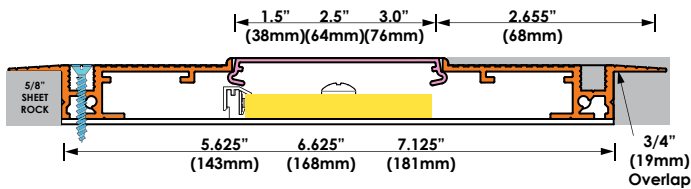


1.5", 2.5" or 3.0"



1.5", 2.5" or 3.0" narrow decorative lines of light  
 Smooth flush installation in plaster and drywall  
 Continuous seamless lens  
 Socket shadow free illumination  
 Zero cavity construction-no special framing required  
 Unit fits within the thickness of the finished wall material  
 LED panels are easily replaced through lens opening  
 Fixture is entirely non-ferrous & suitable for MRI rooms

### 5/8" New or Cut-In Construction



Type:

### Ordering

- |   |        |  |
|---|--------|--|
| Shipping                                | C      | <input type="checkbox"/> Ship Complete Fixture   |
|   | H      | <input type="checkbox"/> Ship Housing and Driver   |
|   | L      | <input type="checkbox"/> Ship LED and Lens   |
| Series                                  | S15    | <input type="checkbox"/> Simple line LED 1.5 inch width  |
|   | S25    | <input type="checkbox"/> Simple line LED 2.5 inch width  |
|   | S30    | <input type="checkbox"/> Simple line LED 3.0 inch width  |
| Mounting                                | MC5    | <input type="checkbox"/> New or Cut-in construction 5/8" drywall or thicker  |
| Lamping (Delivered lumens)              | 3KL    | <input type="checkbox"/> 88lu/ft LED 2.5w/ft (8w/m)  |
|   | 1ML    | <input type="checkbox"/> 175lu/ft LED 4.9w/ft (16w/m)  |
|   | 2ML    | <input type="checkbox"/> 350lu/ft LED 9.8w/ft (32w/m)  |
| Color                                   | 27     | <input type="checkbox"/> 2700K, 85+ CRI  |
|   | 30     | <input type="checkbox"/> 3000K, 85+ CRI  |
|   | 35     | <input type="checkbox"/> 3500K, 85+ CRI  |
|   | 50*    | <input type="checkbox"/> 5000K, 85+ CRI  |
|   | 279    | <input type="checkbox"/> 2700K, 90+ CRI  |
|   | 309    | <input type="checkbox"/> 3000K, 90+ CRI  |
|   | 40     | <input type="checkbox"/> 4000K, 85+ CRI  |
|   |        | * In 2ML lamping only  |
| Wire Harness                            | 1      | <input type="checkbox"/> Single  |
|   | 2C     | <input type="checkbox"/> 2nd feed cable every 10ft for connection to EM circuit  |
| Lens                                    | W      | <input type="checkbox"/> White   |
| Driver                                  | R      | <input type="checkbox"/> Remote  |
| Start End                               | M      | <input type="checkbox"/> Mud in End  |
|   | S      | <input type="checkbox"/> Straight End  |
|   | ST     | <input type="checkbox"/> Straight Translucent End (Use at control joints)  |
|   | ALxx   | <input type="checkbox"/> Angle cut Left (degrees 1° to 45°)  |
|   | ARxx   | <input type="checkbox"/> Angle cut Right (degrees 1° to 45°)   |
|   | AP     | <input type="checkbox"/> Arrow Point End (with MC5 only)   |
|   | RHC    | <input type="checkbox"/> Half Circle Radius End (with MC5 only)  |
|   | R4C    | <input type="checkbox"/> 1/2" Radius Corner End (with MC5 only)  |
|   | RECF   | <input type="checkbox"/> __x__ Rectangle Flat XX" by XX" (see Ex. #4)  |
| Length (Only if lens changes direction) | xx     | <input type="checkbox"/> xx is distance in inch or mm  |
|   | xxFC   | <input type="checkbox"/> Allows housing to be field cut for exact fit (must use H shipping option)   |
| Transition                              | LTxx   | <input type="checkbox"/> Left Turn same plane (degrees 90° to 179°)*<br>* Consult factory for angles beyond range shown  |
|   | RTxx   | <input type="checkbox"/> Right Turn same plane (degrees 90° to 179°)*  |
|   | ICxx   | <input type="checkbox"/> Inside Corner (degrees 90° to 179°)*  |
|   | OC90   | <input type="checkbox"/> Outside Corner (degrees 90°)*<br>* Consult factory for angles beyond range shown)<br>(Patterns are formed by adding lengths and transitions. See last page for examples.) |
| Finish End                              |        | Choose from Start End choices listed above   |
| Units                                   | mm     | <input type="checkbox"/> mm  |
|   | in     | <input type="checkbox"/> inches  |
| Options                                 | CL2Pxx | <input type="checkbox"/> Longer length CL2P feed cable (std is 15ft)   |
|   | CP     | <input type="checkbox"/> Chicago Plenum  |

Specify Power Supply on next page or Power Supplies sheet

### Environmental Data

For 3KL lamping at 3000k:  
 W: 2.5W/ft (8W/m)  
 LLD: 50,000hrs @ 70%Im  
 40ft (6M) on one 100w driver

For 1ML lamping at 3000k:  
 W: 4.9W/ft (16W/m)  
 LLD: 50,000hrs @ 70%Im  
 20ft (6M) on one 100w driver  
 12ft (3.7m) on one 60w driver

For 2ML lamping at 3000k:  
 W: 9.8W/ft (32W/m)  
 LLD: 50,000hrs @ 70%Im  
 10ft (3M) on one 100w driver

Temp range: 0° ~ 90°F (-20 ~ 30°C)  
 No Mercury, No UV, No Flicker  
 Warranty: 5 years  
 cETLus Listed

Contact factory for construction details to install in environments with ambient temperatures above 90° F for more than 5 hours.



# SimpleLineLED 1.5, 2.5 or 3.0 x 5/8"

## R-MLV Driver

Economical magnetic remote mounted power supply with 24Vdc Constant Voltage output for simple class 2 installation. 20W, 40W or 100W; 120V input, 60Hz. Dims to 20% with forward phase 2-wire magnetic low voltage dimmer. Short circuit and overload protected. Non-IC installations. Listed for 90 C conductors with 1/2" trade size knock outs. NEMA 3R enclosure. See Power Supplies spec sheet for additional information and alternate power supplies.

## R-xxx-UNV Drivers

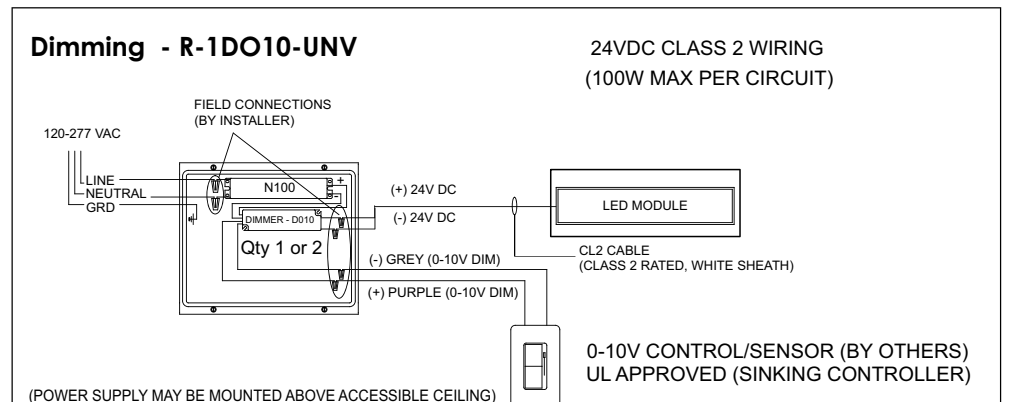
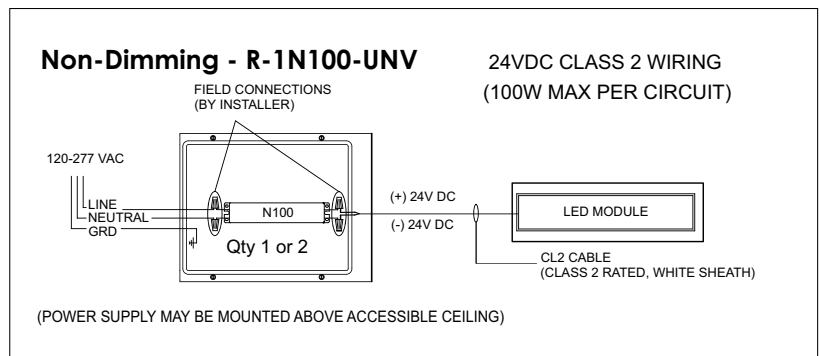
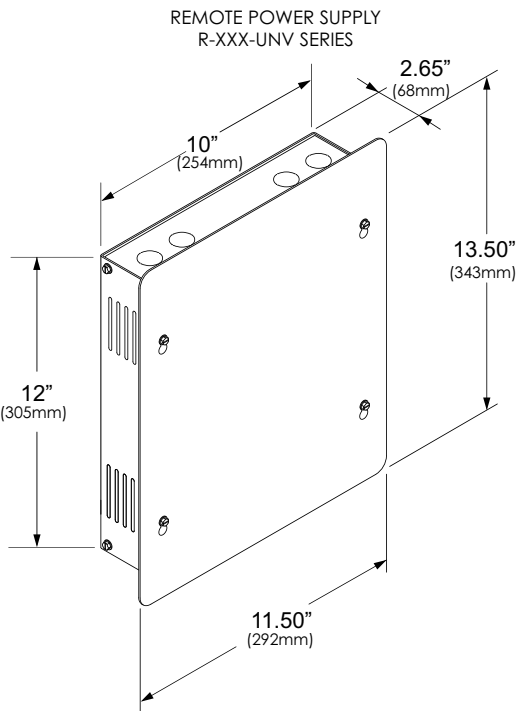
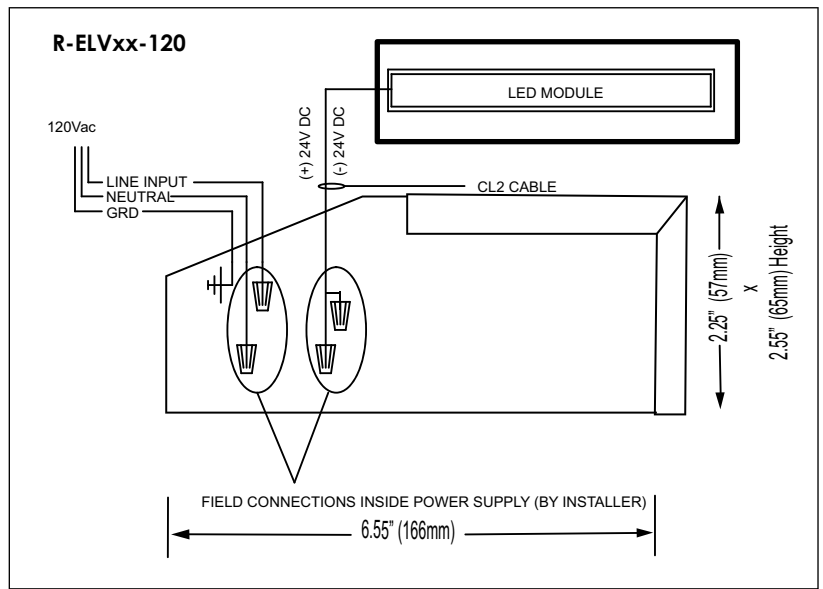
Remotely located power supply with 24Vdc Constant Voltage output for simple class 2 installation. Electronic Drivers 50/60 Hz, 120 thru 277 input. Choice of 0-10V dimming or switched on/off. 0-10V dimmable drivers may flicker below 10%. Adjust low end trim of dimmer accordingly. Type A Sound Rating, Non IC installations standard; consult factory for IC installation. May be surface mounted or recessed in 2x4 walls or above accessible ceilings. Housing is die formed 16ga CRS with White painted after fabrication finish. Listed for 90°C conductors with 1/2" trade size Knock Outs. See Power Supplies spec sheet or consult factory for additional driver options.

## R-DLUT96-UNV

Remote power supply 24Vdc Constant Voltage Output. 50/60Hz, 120 thru 277V input. Class A sound rated. Rated for Damp location use. Non-IC installations. Dims with 3-Wire dimmer or EcoSystem™. Requires 25W minimum load. For more info visit: <http://www.lutron.com/TechnicalDocumentLibrary/369883.pdf>

Driver*	R	<input type="checkbox"/> Remote
Drive Qty Per	-	<input type="checkbox"/> Blank for ELV type & DLUT type
Power Supply X		<input type="checkbox"/> Factory determined with N100 or D010 type
Type	ELVxx	<input type="checkbox"/> Elec low voltage, 20, 40 or 100W max.
	N100	<input type="checkbox"/> Electronic, 100W max.
	D010	<input type="checkbox"/> Dimming via 0-10Vdc
	DLUT96	<input type="checkbox"/> Lutron Hi-Lume Premier 96W
Voltage	UNV	<input type="checkbox"/> Universal 120-277V for N100 or D010 type
	120	<input type="checkbox"/> 120 for ELV type
	CP	<input type="checkbox"/> Chicago Plenum rated enclosure

\* See Power Supplies spec sheet for additional versions and details





# SimpleLineLED 1.5, 2.5 or 3.0 x 5/8"

## Housing

All aluminum housing mounts just like drywall to framing and hat channel to create a monolithic heat sink.  
 Housing lip is mudded into surface to provide a trimless installation.  
 Foam mud shield keeps aperture clean during install. Easily removed and re-installed as needed.  
 Housing ships with 15ft CL2P cable attached to reach remote power supply. Longer lengths optional, or 12AWG wire can be added on site; up to 20' with D010 or 50' with N100 & MLV  
 Multiple housings tab & couple together for straightness.  
 Class 2 wiring from remote driver for easy installation & safety.  
 ETL listed, damp location, IC rated (including polyurethane insulation).  
 See companion spec sheets for "dead side" and "hardside" housings.

## Various Ends for different starting and stopping conditions:

- "M" when mid field
- "S" when against hard stops (walls, floor, baseboard)
- "ST" translucent stop, allows light to bridge across control joints
- "AL" & "AR" angle cut (1° to 45°)
- "AP" arrow point
- "RHC" half circle radius
- "R4C" 1/2" radius corners

## Modifications

Runs can be provided to the nearest 1/16" or 1mm.  
 "FC" Field cutting allows for a perfect architectural fit. "FC" Housings may be field cut up to 6", then LED panels ordered to fit, DO NOT CUT non-FC HOUSINGS.  
 For unique custom work, such as corners and patterns, see additional spec sheet or consult factory for shop drawings.

## Transitions

When lens changes directions on same plane or to a 2nd plane. (Minimum length 3.875" or 98mm per side).  
 "LT" Left Turn same plane (degrees 90° to 179°); pre-assembled at factory  
 "RT" Right Turn same plane (degrees 90° to 179°); pre-assembled at factory  
 "IC" inside corner between two planes. Housings overlap and adjust for non-square corners.  
 "OC" outside corner around two planes; pre-assembled at factory. 90° standard, consult factory for other angles.

## LED

LED boards attached to aluminum heat sink at factory (no need to clean surface with alcohol on site to prevent air bubbles underneath).  
 Low wattage white light LED produces even distribution with no shadows. Binned within 3 MacAdam ellipses.  
 Blending and overlap keep color and light output uniform.  
 May select Standard or High Output versions when ordering. See companion spec sheets for RGB & RGB+W color fixtures.

## Optics

Light guide panel diffuses multiple LED sources.  
 Panel plugs into housing via DC quick connects & is secured with clear poly screws for quick & easy replacement.  
 Snap-in high transmission acrylic lens, up to 26ft per section, provides a matte white finish & even distribution for a dimensionless appearance. Lens fits flush with finished wall surface.  
 Shallow & rigid housing ensures constant lens retention along length.

## Options

"CP" Chicago Plenum rated housing with two-position junction box for attachment of 1/2" conduit.

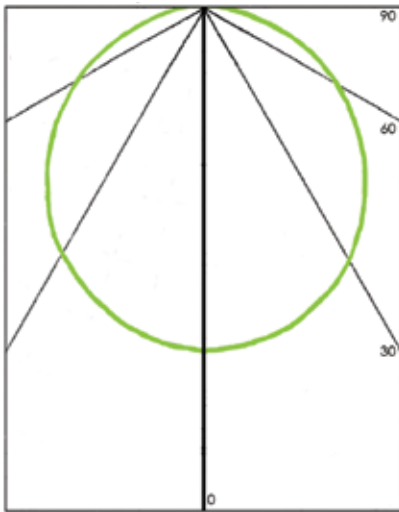
## Photometric Data

**BALLabs**  
 Independent Test No. 17940.0

Cat No.: S25-MC5-2ML-35-1-W-R-S-24-S-in\*  
 Meanwell Driver No.: LPV-20-24 operating at 120v  
 Total Lumens: 701  
 \* Multiply all data by .50 for 1ML lamping

This is an absolute test per LM-79-08  
 Luminous Length: 24"  
 Width: 2.5"

Candlepower Distribution (cd)



Angle	Along	45°	Across
0°	259	259	259
5°	262	259	256
10°	256	252	251
15°	252	247	246
20°	240	236	234
25°	230	225	225
30°	219	214	211
35°	202	199	197
40°	186	180	179
45°	166	163	162
50°	149	144	145
55°	128	124	125
60°	107	105	104
65°	85	84	82
70°	65	54	64
75°	43	42	40
80°	25	24	26
85°	9	7	10
90°	0	0	0

Zonal Lumen Summary

Zone	Lumen	% Luminaire
0-30°	198	28.4%
0-40°	322	46.1%
0-60°	560	80.2%
60-90°	139	19.8%
90-180°	0	0%
0-180°	699	100%

Luminance Data (cd/m2)

Angle	Along	45°	Across
45°	6017	5905	5868
55°	5713	5529	5575
65°	5128	5065	5003
75°	4288	4186	3982
85°	2729	2122	3032

1. Mount and Level Housing.  
 Cable to Remote Power Supply.

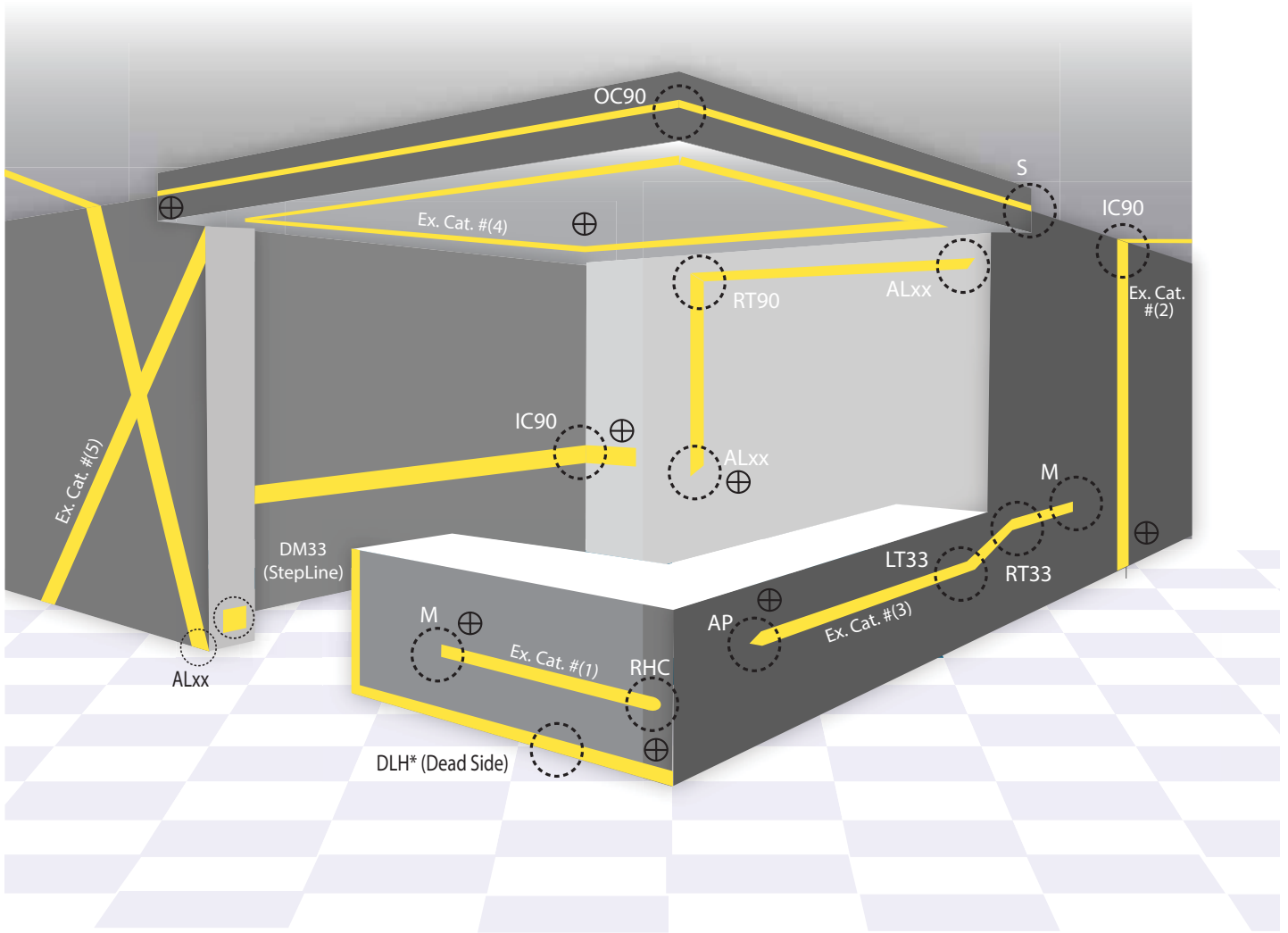


2. Install Drywall, Tape, Mud & Finish.



3. Plug in LED Module & snap in lens.





⊕ Denotes the start & power feed point of each run. Can be at either end; whichever is closest to remote power supply. Longer runs may require additional feed points

Ex. Cat #s (xx denotes lengths)

(1) Straight Line

C-S25-MC5-1ML-30-1-W-R-M-xx-RHC-in

(2) Line from Wall to Ceiling (for sloped ceiling, covert pitch to degrees & change IC90 as needed)

C-S30-MC5-1ML-30-1-W-R-S-xx-IC90-xx-M-in

(3) Linear Pattern to Follow a Stairwell

C-S25-MC5-1ML-30-1-W-R-AP-xx-L33-xx-R33-xx-M-in

(4) Rectangle XX by XX lengths measured along outside of lens

C-S30-MC5-2ML-35-1-4-R-REC \_\_x\_\_ -in

(5) Irregular patterns, criss-crosses & odd shapes can be simply specified as a pattern:

C-S325-MC5-2ML-35-1-4-R-PATTERN # -in

Notes:

- \* Not all options shown are contained on this spec sheet; see website for additional widths, housing styles and colored LEDs.
- Factory may suggest modified length up to 2" to all a full LED module to ensure equal brightness in corners.
- Non 90 degree corners, and all T and X hubs, are welded together at factory to prevent mis-alignment.
- Consult factory for help with applications not shown or assistance with specifying & ordering.
- Approved shop drawings are required for all patterns.