GMLighting®

24VDC LAMINA CONFIGURABLE LAMINATED SHEET
INSTALLATION INSTRUCTIONS
MODELS: S12X12-SO, S12X122-HO

BEFORE YOU START:
- Install in indoor location only
- Turn power off before beginning
- Review all pertinent electrical codes

TOOLS NEEDED:
- Scissors or hobby knife

PARTS INCLUDED:
- (1) S12x12 LED panel
- (1) S12X12-SSC (Sheet to sheet wire connector)
- (1) 18-5-WIRES (4 ft. cable)

1. POSITIONING LAMINA
Familiarize yourself with the Lamina sheet. Connectors are conveniently placed on all 4 sides, and dotted vertical and horizontal lines show precisely where to trim sheet **(Fig. 1).** Creating a layout template would be helpful. Pre-cut out all shapes with scissors or hobby knife and place sheets into your layout template. Make sure you cut along vertical or horizontal cut lines only. **(Fig. 2).**

2. ALIGNING LAMINA
Seat pins in connector ports of one sheet and then connect to next sheet, making sure that they are aligned.**(Fig. 3).**

NOTE: When aligning sheets for connection with two-prong connector, make sure that you match polarity. Example: + to + and - to -.

3. REMOVING ADHESIVE BACK
Simply peel back paper cover on adhesive back **(Fig. 4).** Place carefully in position and burnish down with the side of your hand or a soft edge straight edge to remove air bubble.

4. (OPTION 1) USING STAPLES OR SCREWS, NO STAND OFFS
Making sure that you don't staple into a circuit, staple or tack Lamina to surface, only in the rectangle mounting squares on the sheet. **(Fig. 5).**

5. (OPTION 2) USING CLEAR STAND-OFFS Clear stand-offs are meant to be spacers for translucent sheets placed over Lamina sheets. Attach stand-off to adhesive disc or screw (see table below). For adhesive disc, apply included disc to bottom of clear stand-off **(FIg. 6).** For screw fastening, remove top and insert screw through stand-off. DO NOT OVERTIGHTEN **(Fig. 7).** Re-install it into bottom of stand-off. Space out as needed to distribute weight of translucent sheet evenly. Adjust height of stand-off by rotatiing top. Do not place stand-offs over screw heads or staples. See cutaway diagram **(FIg. 8)**. **CAUTION: Stand-offs are to be used on top of horizontal surfaces only. Not for vertical wall or ceiling applications. Not for heavy weight bearing applications like flooring.**

6. INTERCONNECTING LAMINA
Using included connectors - make one connection per sheet by pressing one end of connector into one sheet, and the other end to the next sheet to establish a powered connection **(See Fig. 3).**

7. CONNECT CONTROLLER
Connect LUXcontrol™ SHWC Smart Controller (sold separately) to connector sockets. Wire Controller to 24VDC non-dimming LineDRIVE power supply.

8. USING HAND CONTROLLER
See instruction guide for LUXcontrol Smart Phone app in order to control dimming and other control options

FIG. 1

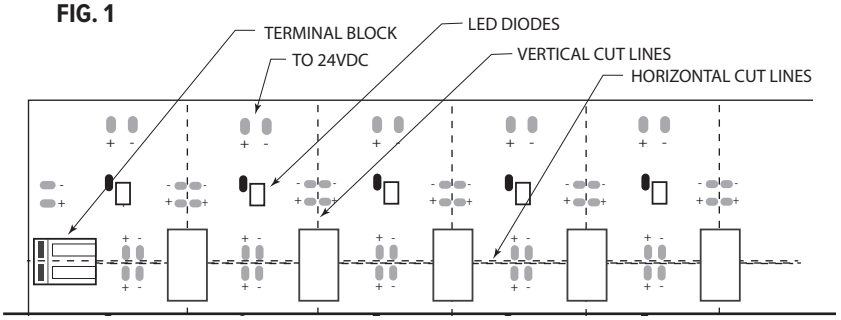


FIG. 2

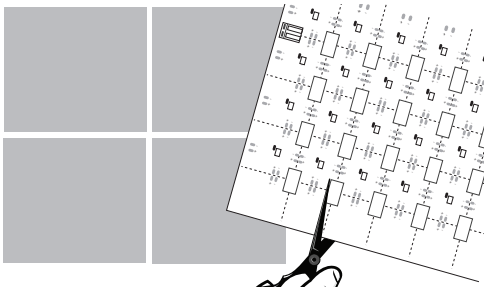


FIG. 3

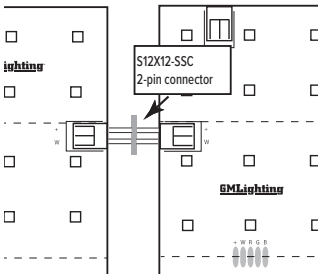


FIG. 4

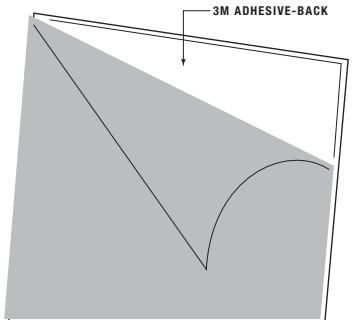


FIG. 5

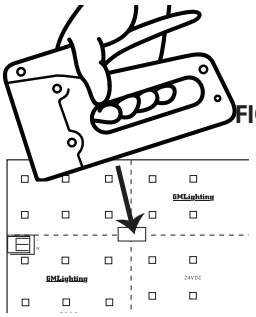


FIG. 6

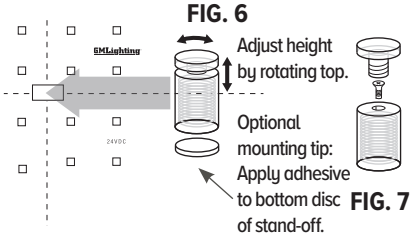
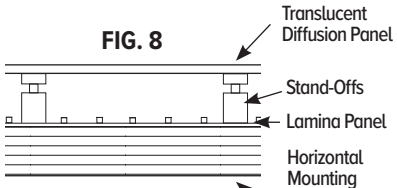


FIG. 7

FIG. 8



NOTE: Stand-Off Height Range is 0.91" - 2.0"

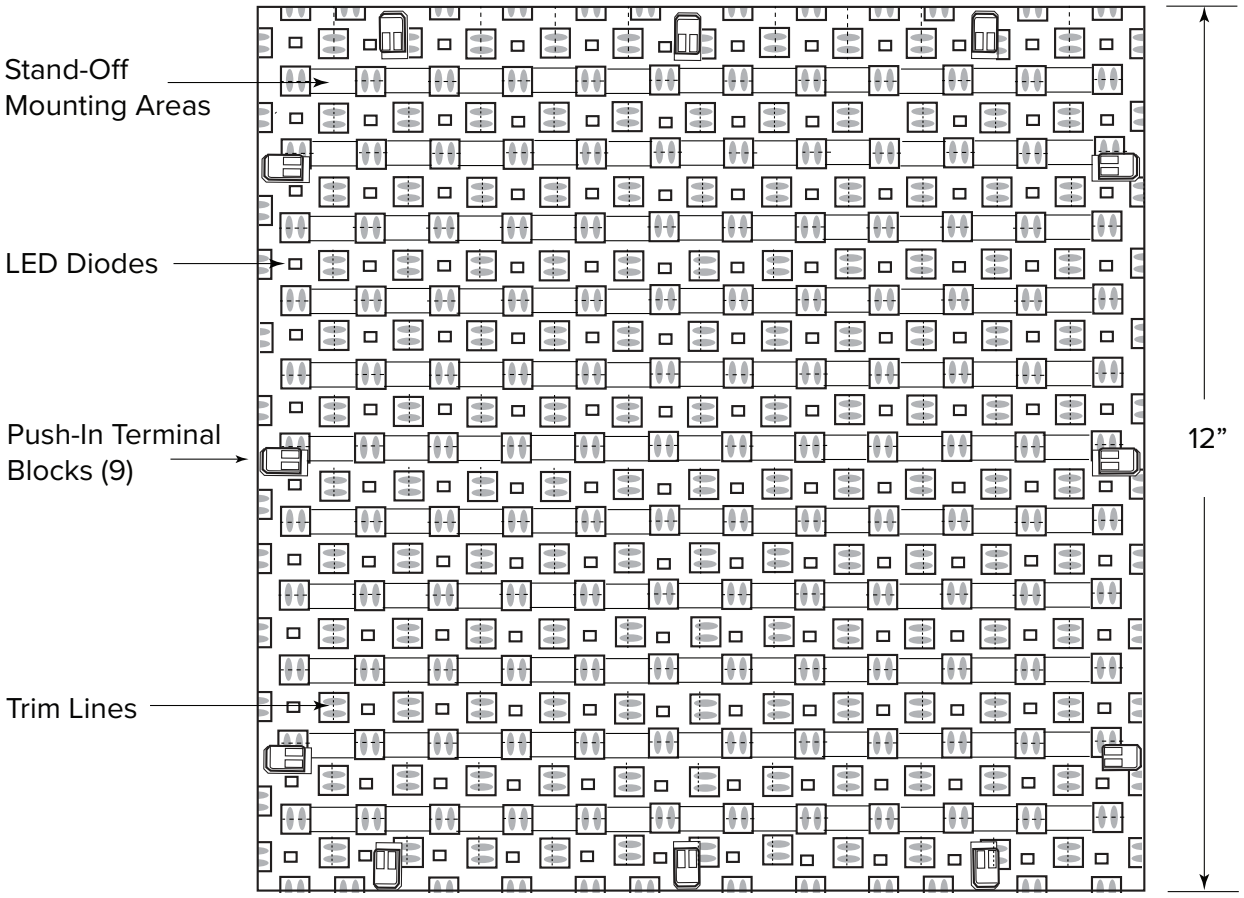
Lamina Sheet

Model No.	Description	Diameter	Max. Load Each	Height Range	Recommended Screw Size (by others)
GM-SOC-1	Clear, Acrylic w/ Clear 3M Tape	13mm (0.52")	6 lbs.	23mm (0.91") to 33mm (1.30")	#6 x 3/4" Pan Head Sheet Metal Screw
GM-SOC-2	Clear, Acrylic w/ Clear 3M Tape	19mm (0.75")	10 lbs.	36mm (1.42") to 51mm (2.00")	#8 x 3/4" Pan Head Sheet Metal Screw

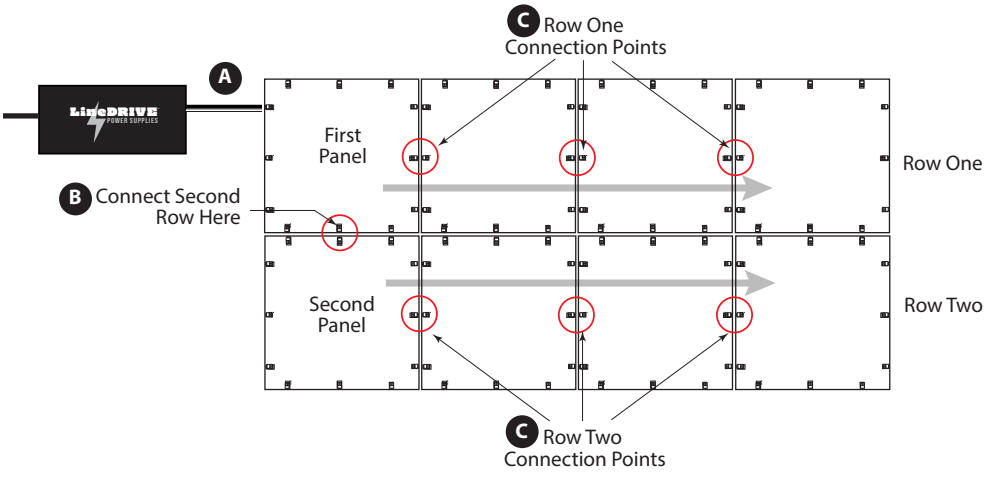
GMLighting®

18700 Ridgeland Ave.
Tinley Park, IL 60477
Toll-Free: (866) 671-0811
FAX: (708) 478-2640
www.gmlighting.net
tech@gmlighting.net

LAMINA DIAGRAM



MULTIPLE PANEL CONNECTION DIAGRAM



Layout & Wiring Tips (See example):
A. Connect power to first panel (1) in group.
B. Connect panel in Row Two, making connection between bottom of First Panel and top of first panel in Row Two.
C. Connect additonal panels in each row as you see in the diagram. Remaining panels are connected in one direction only.

Many other layouts can be created for different shapes depending on panel cuts and position.

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