

PRODUCT OVERVIEW

Lamina is a 24VDC flexible light sheet that can be cut in the field into geometric or irregular shapes, creating limitless illumination for signage, light panels, retail display, back lighting and themed lighting applications. Easy installation with no heat sink required. Standard 12" x 12" sheets make it easy to plan your layout and install (see next page).

FEATURES

- Flexible - conforms to curvilinear shapes like round columns
- Dimmable
- 12" x 12" with 48" leads and sheet to sheet connectors
- 1/8" depth
- Connectible via integral push-in connectors
- 3M backing layer adheres to most flat or curved surfaces
- 3M tape, staple or screw mounting options
- Invisible Stand-Off support option allows even illumination with translucent panels (by others) easily raises diffusion translucent panels 0.91" - 2.0" above Lamina. For horizontal surface use only.
- Not intended for outdoor use
- Operating temp. -4°F - 122°F*

SPECIFICATIONS

ELECTRICAL

- 24VDC
- SO: 5W / Sq. Ft.
HO: 10W / Sq. Ft.
- Connectors every 4" around perimeter

OPTICS

- 2700K, 3000K, 3500K, 4000K
- 90+ CRI

LABEL

- ETL
- Closet Rated

WARRANTY

- 5-years

ORDERING INFORMATION

Example: S12X12-HO-30

Model	-	Series	-	Color Temp.
S12X12		SO (Standard)		27 (2700K)
				30 (3000K)
		HO (High)		35 (3500K)
				40 (4000K)

CONNECTORS

Catalog No.	Description
S12X12-SSC	Sheet to Sheet Wire Connector

Project Name

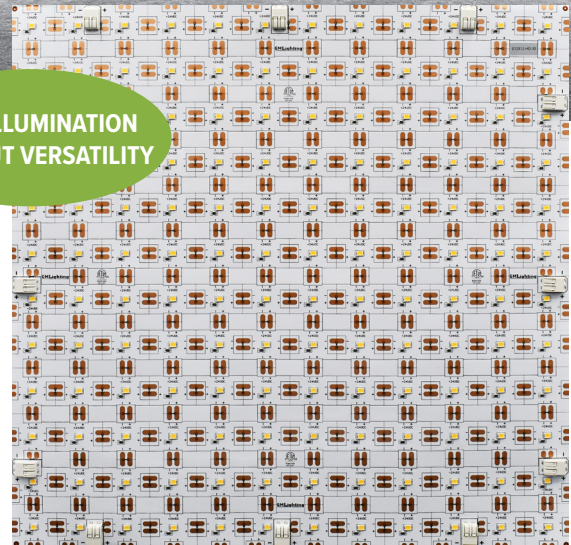
Type

Catalog #

Date

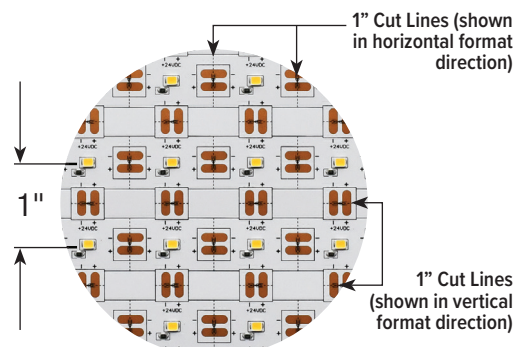


EVEN ILLUMINATION
FIELD CUT VERSATILITY



Tight diode to diode
spacing for even
illumination and no
hot spots.

NOTE: Even illumination
will vary depending
on materials, please
verify offset for even
illumination.



Catalog No.	Output	Dimension	Watts	Lumens	CRI	Color Temp.
S12X12-SO-27	Standard Output	12" x 12"	5W / Sq. Ft.	510	90+	2700K
S12X12-SO-30				514		3000K
S12X12-SO-35				530		3500K
S12X12-SO-40				554		4000K
S12X12-HO-27	High Output		10W / Sq. Ft.	1062		2700K
S12X12-HO-30				1056		3000K
S12X12-HO-35				1118		3500K
S12X12-HO-40				1164		4000K

STAND-OFF ACCESSORIES

Model	Description	Diameter	Height Range	Max. Load	Recommended Screw Size (not included)
GM-SOC-1	Clear, Acrylic w/clear 3M tape	13mm (0.62")	23mm (0.91") to 33mm (1.30")	6 lbs.	#6 x 3/4" Pan Head Sheet Metal Screw
GM-SOC-2	Clear, Acrylic w/clear 3M tape	19mm (0.75")	36mm (1.42") to 51mm (2.00")	10 lbs.	#8 x 3/4" Pan Head Sheet Metal Screw

Note: Stand-offs come in sets of 4

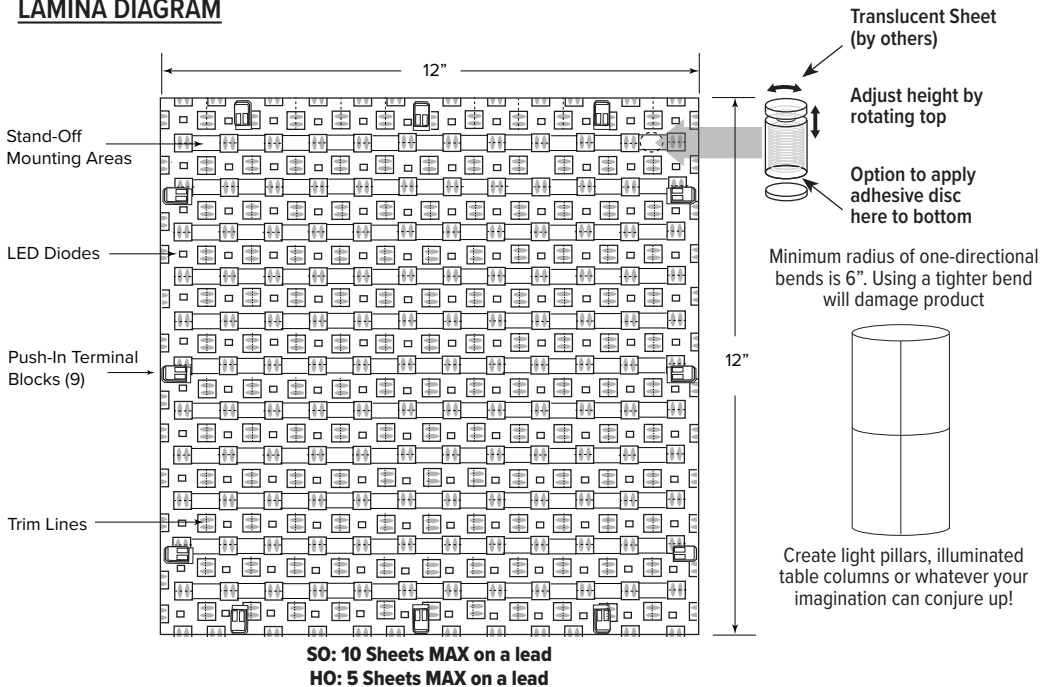
COMPATIBLE CONTROLLERS

Model	Description
SHWC	LUXcontrol Smart 2.4 GHz WiFi Controller, Standard 12V/24V Low Voltage
SHWD	LUXcontrol Smart 2.4 GHz WiFi Controller, Standard 12V/24V Low Voltage
SWDD60W24V	SwitchLD All-in-One Dimmer and Driver, 60W, 24VDC
SWDD96W24V	SwitchLD All-in-One Dimmer and Driver, 96W, 24VDC
HC-RF-UNV-5CH	Universal 1-5 Channel RF Remote Control
RPT-UNV-5CH	Universal 1-5 Channel Repeater Amplifier
CM-RF-UNV-5CH	Universal 1-5 Channel Control Module

RECOMMENDED DRIVERS

Catalog No.	Description	Watts	Specification Sheet
LD-XD-UNV	LineDrive Electronic Multi-Dimmable Power Supply, 12VDC or 24VDC	20W, 40W, 60W, 96W, 180W, 200W, 300W	View Spec Sheet
LD-MD-UNV	LineDrive Magnetic Dimmable Power Supply, 12VDC or 24VDC	30W, 60W, 96W, 150W, 200W, 300W	View Spec Sheet
LD-EDM	LineDrive Electronic Dimmable MINI Power Supply, 12VDC or 24VDC	60W	View Spec Sheet
LTP	Cord and Plug Power Supply, 12VDC or 24VDC	25W, 48W, 60W, 90W	View Spec Sheet
PSD	Electronic Dimmable Power Supply, 12VDC or 24VDC	15W, 24W, 60W, 90W	View Spec Sheet
Please see our website for updated power supply specifications and information.			

LAMINA DIAGRAM

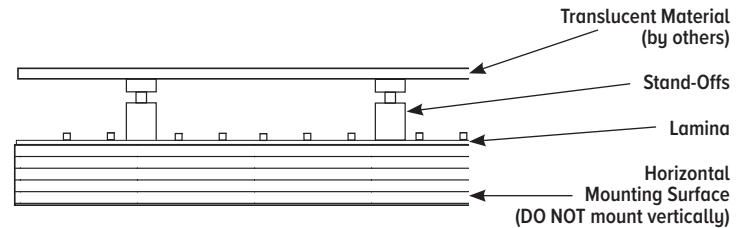


Installation:

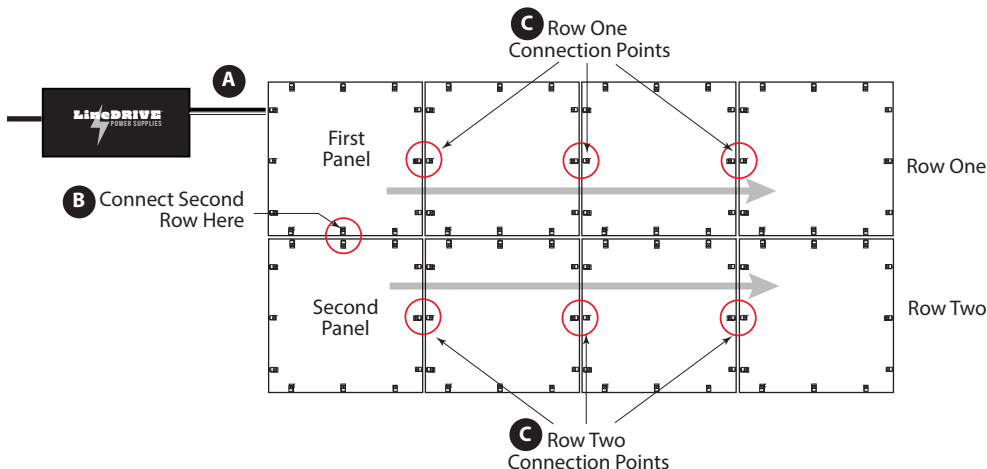
Attach stand-off to Lamina board on center with rectangles. Use adhesive disc or #6 screw (by others). Space out as needed to distribute weight of translucent sheet evenly.

CAUTION:

Stand-offs are to be used on top of horizontal surfaces only. Not for vertical wall or ceiling applications.



MULTIPLE PANEL CONNECTION DIAGRAM



Layout & Wiring Tips (See example):

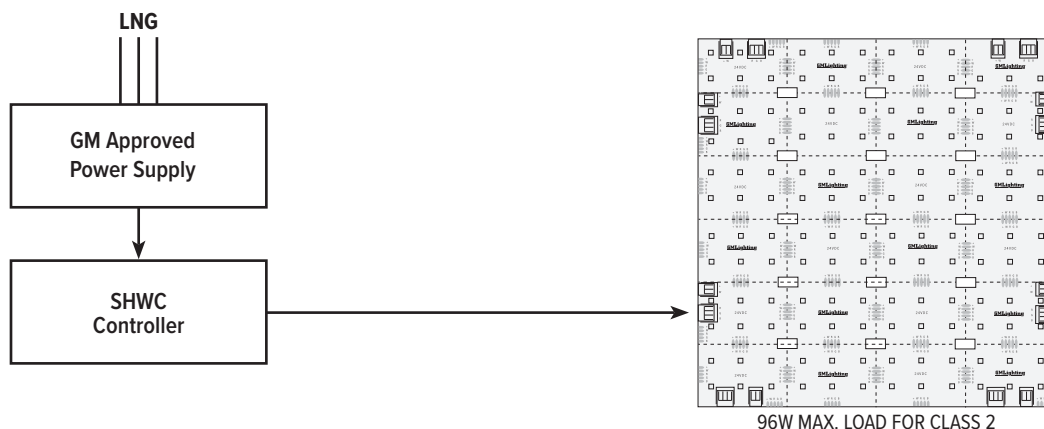
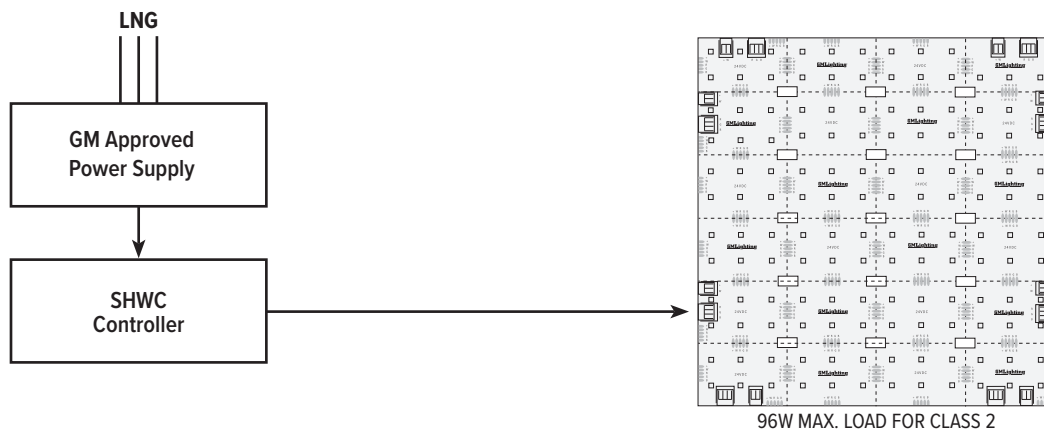
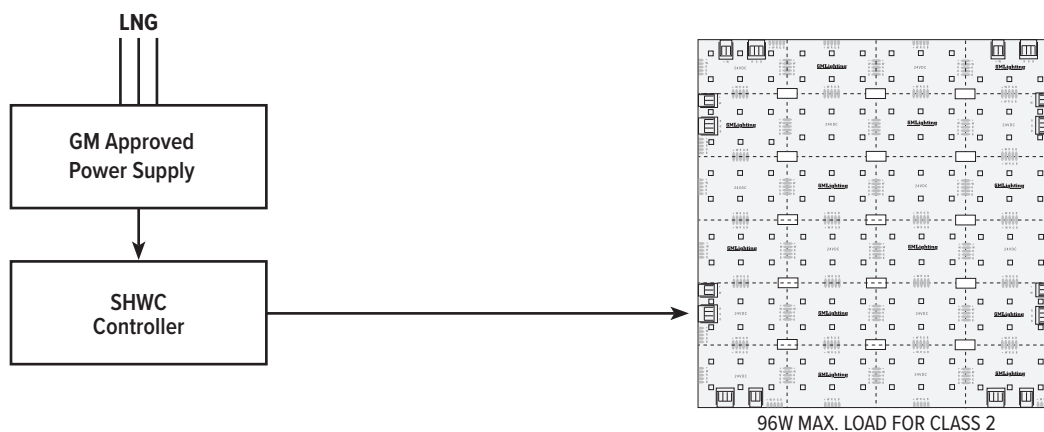
- Connect power to first panel (1) in group.
- Connect panel in Row Two, making connection between bottom of First Panel and top of first panel in Row Two.
- Connect additional panels in each row as you see in the diagram. Remaining panels are connected in one direction only.

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

SHWC LUXCONTROL WIFI CONTROLLER

NOTE: Power supply **MUST NOT BE DIMMED**
at the input to properly power the controls.

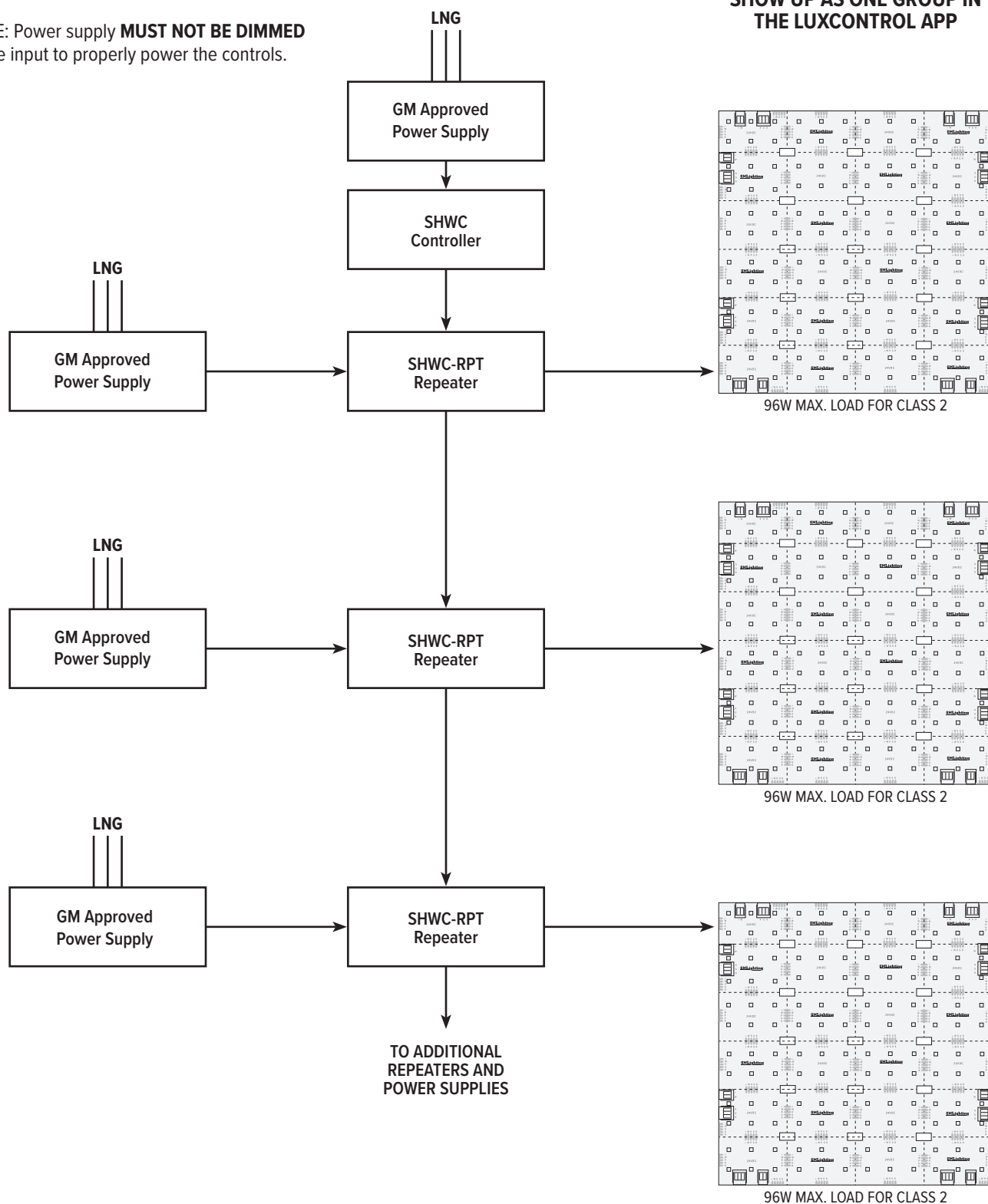
**GROUP MULTIPLE
CONTROLLERS IN THE
LUXCONTROL APP**



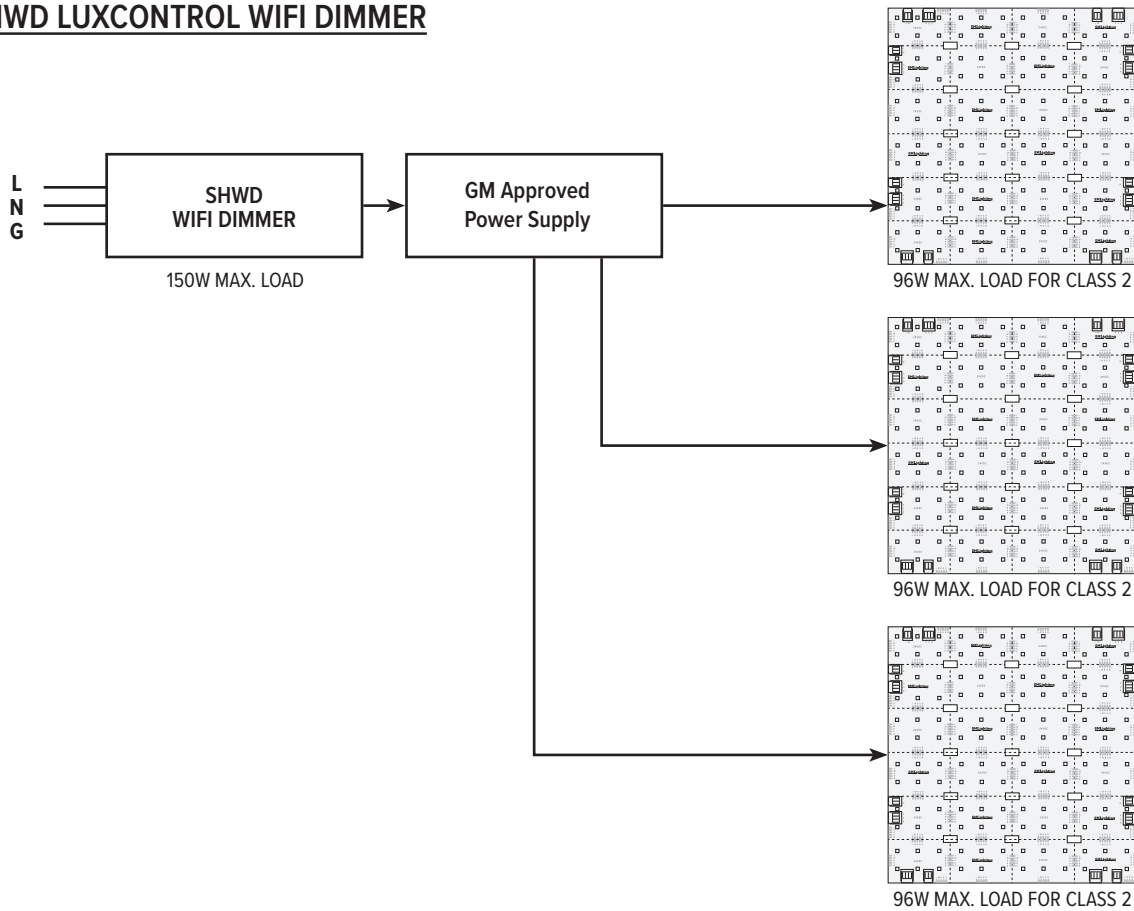
SHWC LUXCONTROL WIFI CONTROLLER WITH POWER REPEATER

NOTE: Power supply **MUST NOT BE DIMMED**
at the input to properly power the controls.

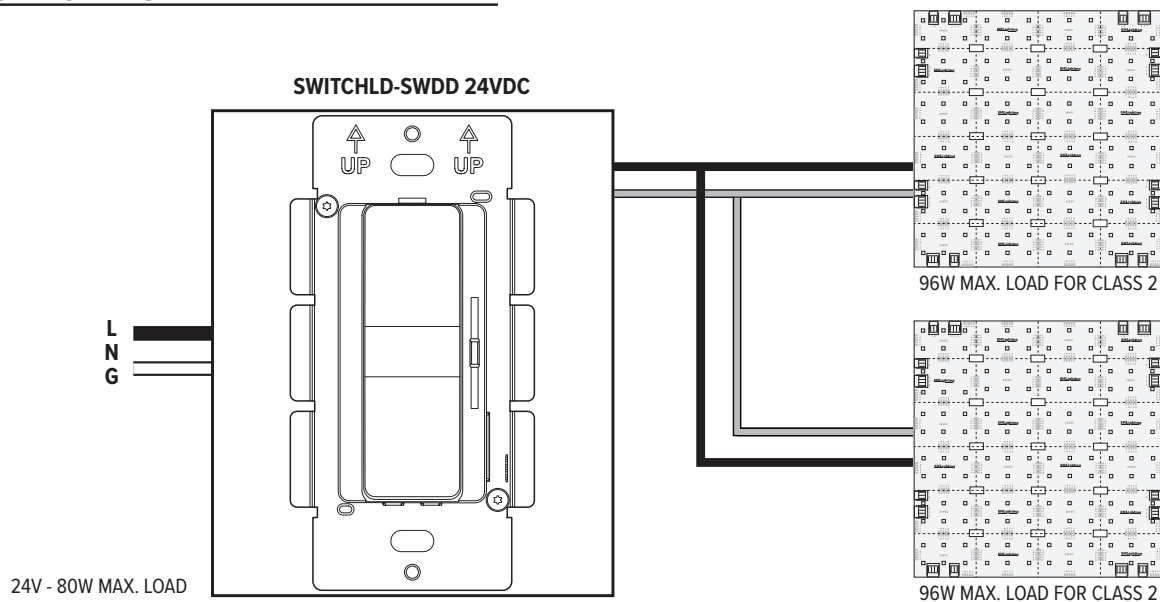
**THIS CONFIGURATION WILL
SHOW UP AS ONE GROUP IN
THE LUXCONTROL APP**



SHWD LUXCONTROL WIFI DIMMER

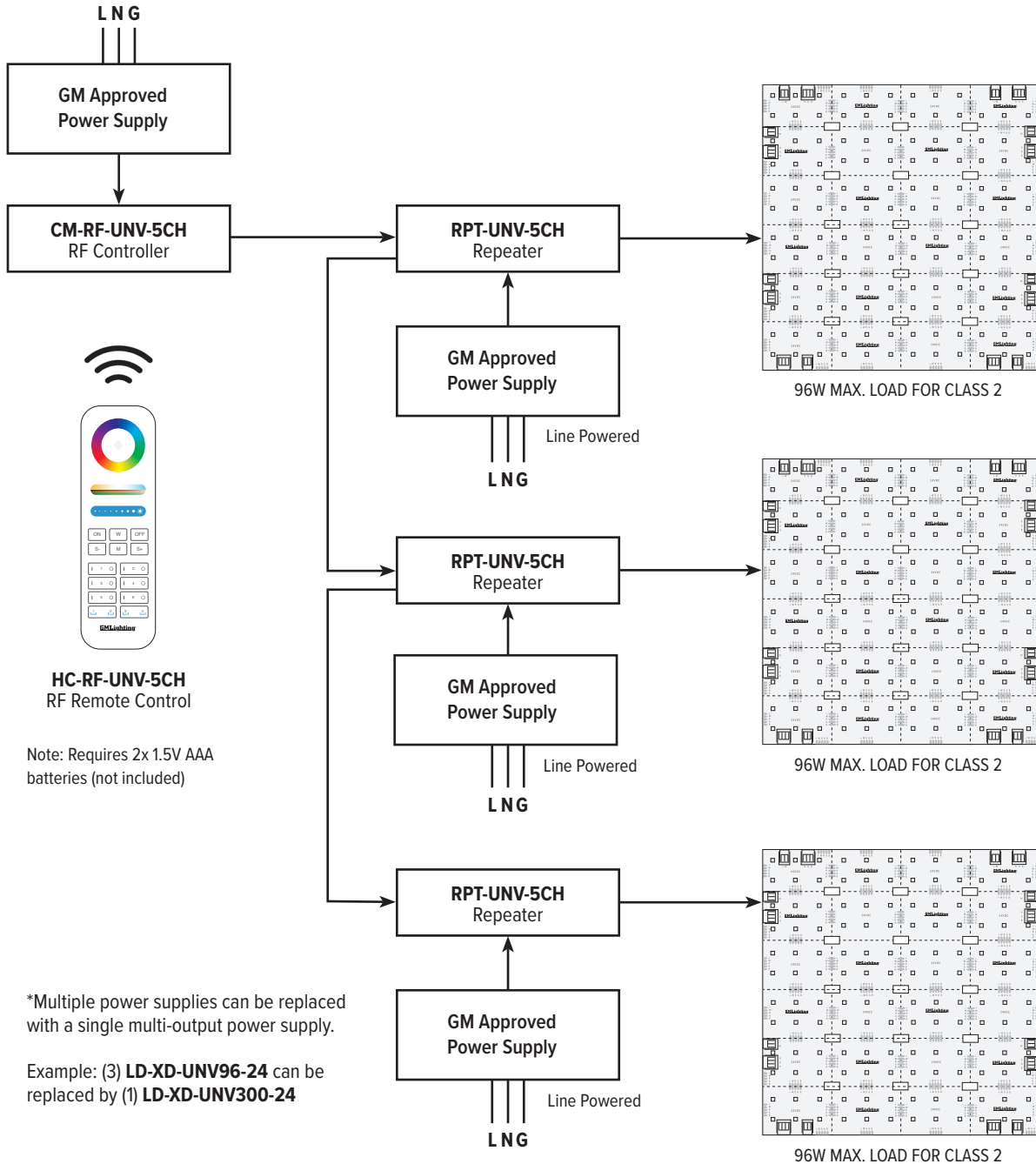


SWITCHLD SWD DRIVER AND DIMMER



UNIVERSAL RF CONTROLLER WIRING DIAGRAM

Incoming power for (L N G) options can be 120V or 277V.
Check power supply for proper input voltage and output power required.
Power Supply output voltage must match LED operating voltage. (24VDC)
Power supply used **MUST NOT BE DIMMED** at the input to properly power the controls.
See Controller instructions for pairing and wiring details.

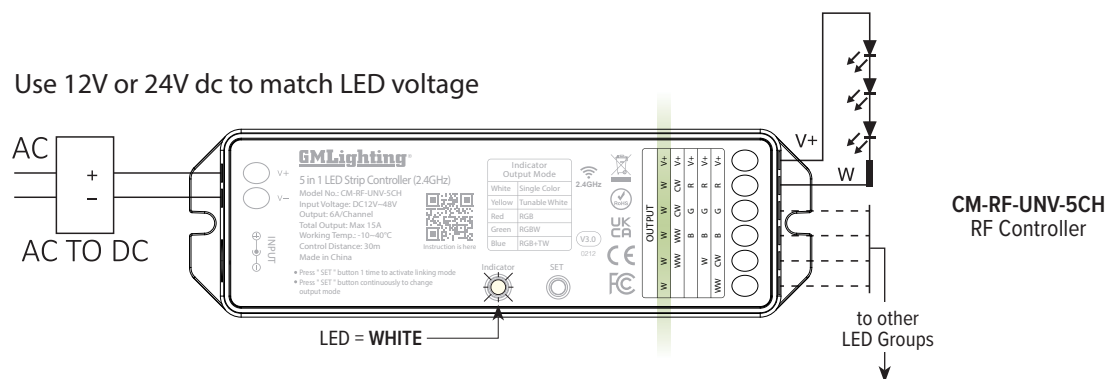


24VDC Configural Laminated Sheet

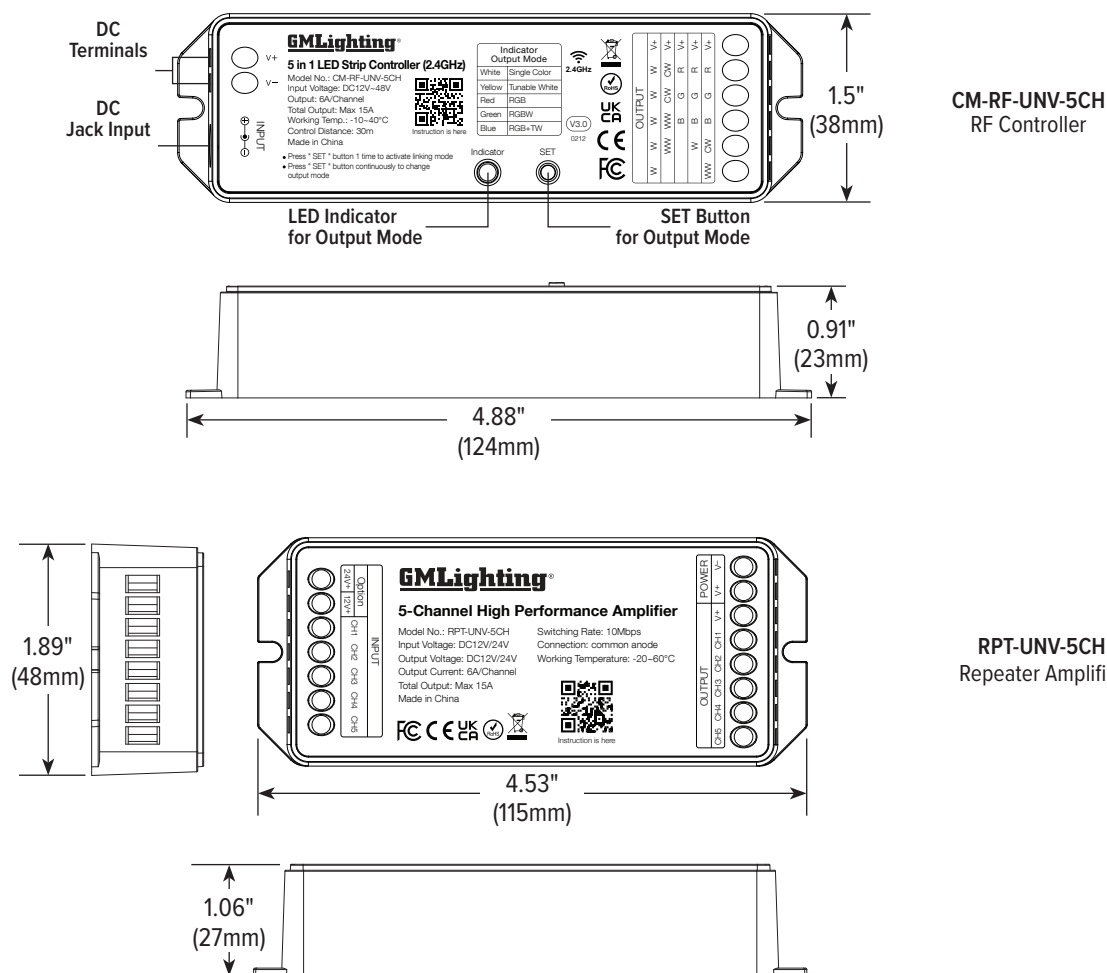


RF REMOTE CONTROLLER AND REPEATER

Use 12V or 24V dc to match LED voltage



DIMENSIONS



RF HAND HELD REMOTE FEATURES AND DIMENSIONS

