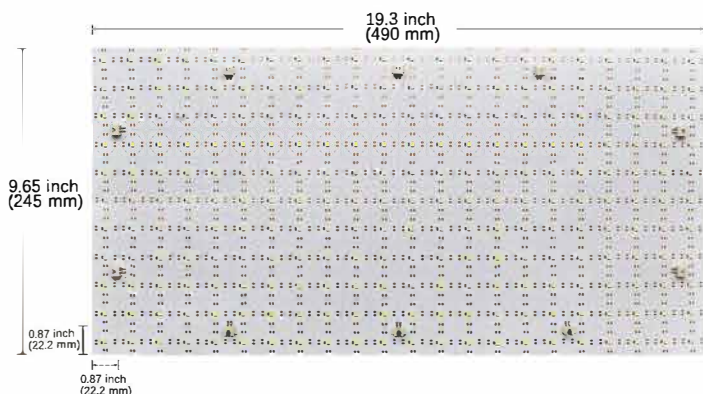


SPECIFICATIONS

Model:	VL-FLS36W-60K VL-FLS36W-50K VL-FLS36W-40K VL-FLS36W-30K	VL-FLS12W-60K VL-FLS12W-30K
Brightness:	3600Lm	1200Lm
Power:	36W	12W
Current Draw:	1.5A	0.5A
Color Temperature:	6000K (Cold White) 5000K (Daylight White) 4000K (Natural White) 3000K (Warm White)	
LED Qty:	242 LEDs	
Input Voltage:	24V DC	
Lifespan:	>50,000 hours	
IP Rating:	IP20, dry location only (IP54 damp location for option)	
Rendering Index (Ra):	CRI>95+	
Beam Angle:	120°	
Dimmable:	Yes	
Cut Size:	Every 22.30mm (0.87")	
Installation Method:	3M Double Sided Tape or Screw on.	
Operating Temperature:	-4°F to 113°F (-20°C to 45°C)	
Warranty:	3 years	

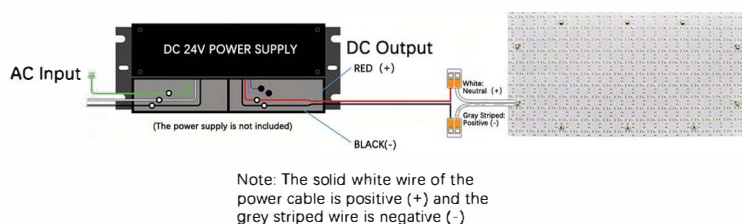
DIMENSIONS



SAFETY INSTRUCTION

- Always turn off power at fuse box prior to installation to prevent electrical shock.
- Intended for indoor use of IP20 version. Dry and damp locations for IP54 version.
- For installation by a qualified electrician.
- System is intended for installation in accordance with National Electric Code, and local regulations.
- Consult with local inspector to assure compliance.
- THE LED LIGHT SHEET has polarity for connection.

WIRING CONFIGURATION



Our flexible LED light sheet is a modular, flexible and cuttable LED sheet for backlighting applications such as translucent countertop, displays, showcases and more, creating a hotspot-free look and offers easy installation with 3M™ adhesive tape or by using screws at the designated areas on the sheet.



PACKAGE INCLUDES

	1-Pack	4-Pack	12-Pack
① Flexible light sheet (Pcs)	1	4	12
② Silicon Bumpers (Pcs)	8	32	96
③ Screws (Pcs)	6	24	72
④ Sheet to sheet connection wire (Pcs) Length 1.97 inch (50mm)	2	8	24
⑤ Power input cable (Pcs) Length 11.8 inch (300mm)	1	4	12
⑥ Power input cable (Pcs) Length 47.25 inch (1200mm)	/	2	6

LAYOUT CONSIDERATIONS

12W sheet | 6 full sheet max run(*) | 0.05W/increment
36W sheet | 2 full sheet max run(*) | 0.15W/increment

(*) Max run listed is using a single power supply connected at one end of the run.

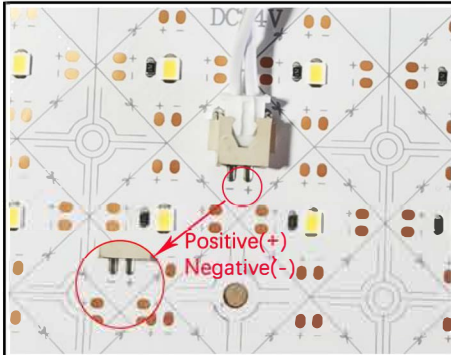
- Choose the appropriate 24V DC driver based on the run distance, and avoid loading the driver to 100%. A maximum load of 80% is recommended.
- To prevent brightness variations due to voltage drop, keep the distance from the power supply to the farthest sheet within 16.4 feet (5 m). If this distance is exceeded, splice in an additional lead wire and connect it to a centrally located sheet.
- Connect multiple sheets in series as needed. Each additional terminal connection to the power supply can distribute up to 3A of current, which means you can connect 2 more 36W sheets or 6 more 12W sheets.
- Make sure the appropriate gauge wire is installed between LED driver, LEDs, and any dimmers. When choosing wire, calculate voltage drop, maximum amperage rating, and the location ratings on the wire. Improper wire selection and installation could overheat wires, and cause fire.
- If adding smart controller, please note each power connection will need its own connected controller when multiple power supplies are connected to one run. Controllers that can synchronize their settings are required for this type of application.

Carefully read these instructions before installing product and keep it for future reference. If you have any questions, please feel free to get in touch with us.

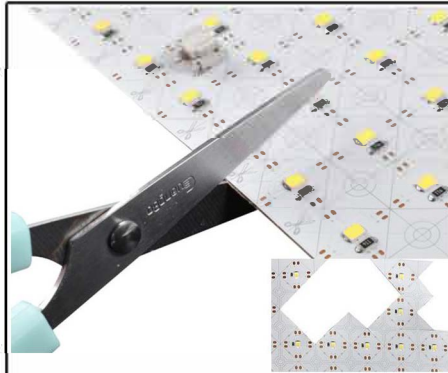
Email: luminationcorp@gmail.com

INSTALLATION TIPS

Prior to installing the LED sheets, please take note and read each instruction attentively.



Ensure to check the polarity of the connectors; otherwise, the light will not turn on. The PCB board will mark the positive (+) and negative (-)



CUTTING THE LIGHT SHEET

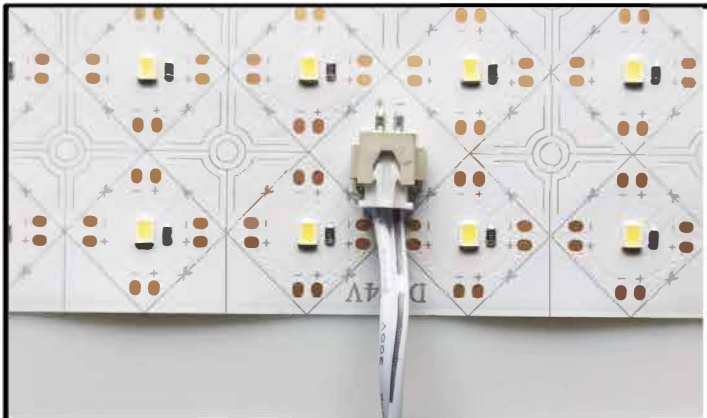
Cut the LED sheet to suit your requirements by cutting it in any direction. Cut increments are clearly marked on the LED Sheet light (every $0.87'' \times 0.87'' = 0.15W$). Ensure an even cut along the cutting line.



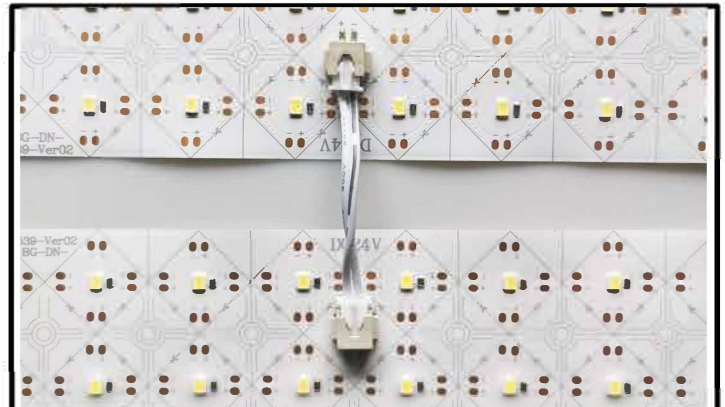
FOLDING THE LIGHT SHEET

To fold an LED sheet, bend it along marked cut lines, crease firmly, and adjust to a desired angle, avoiding bending where LEDs are attached to prevent breakage. Do not fold the product where any rigid structures (LEDs, resistors, connection blocks) are present. Doing so may cause damage to these components.

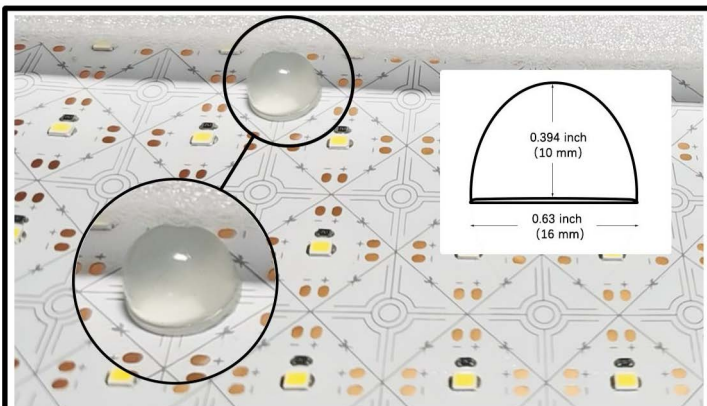
USING THE ACCESSORIES



To power light sheets, simply plug the Power Input Cable's quick connector end into the light sheet terminal block.



Use the sheet to sheet connection wire to interconnect the LED sheets with each other. Correct wire polarity is matched by crossing jumper wires (+ to +, and - to -)



Employing silicon bumpers to prevent direct contact between the stone marble and the LED sheet.



Two way to fix the LED sheet: by 3M double-sided adhesive tape or by screw, the screw hole locations marked on the surface of the LED sheet