

# INSTALLATION INSTRUCTION

## PIXELS CONFIGURABLE LED LIGHT SHEETS

LED-P05-1224, LED-P10-1224

# WAC LIGHTING

Responsible Lighting®

### SAFETY INSTRUCTION

IMPORTANT: NEVER attempt any work without shutting off the electricity.

- Read all instructions before installing.
- Always turn off power at fuse box prior to installation to prevent electrical shock.
- Intended for indoor use. Dry and damp locations.
- 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.
- **PIXELS CONFIGURABLE LED LIGHT SHEETS** has polarity for connection.

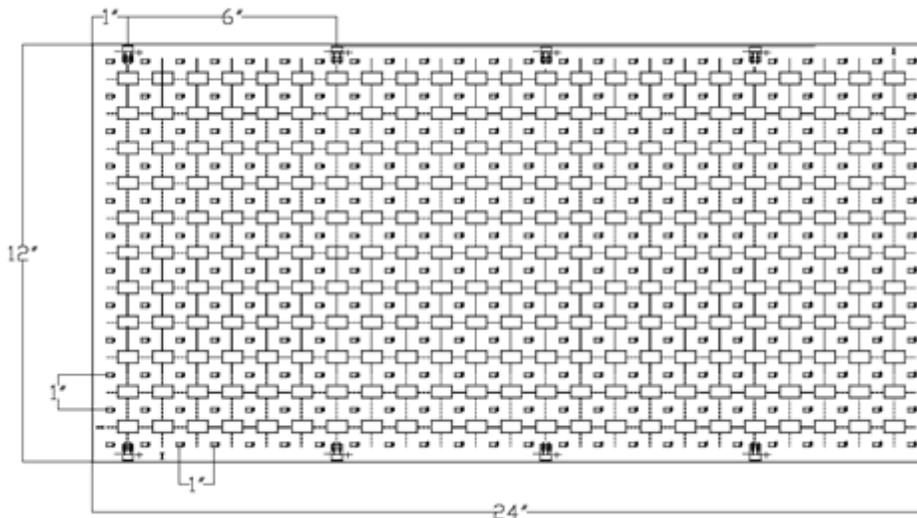
### Instruction de sécurité

NUNCA intente ningún trabajo sin apagar la electricidad.

- Lea todas las instrucciones antes de instalar.
- Siempre apague la corriente en la caja de fusibles antes de la instalación para evitar descargas eléctricas.
- Destinado para uso en interiores. Lugares secos y húmedos.
- Para instalación por un electricista calificado.
- El sistema está destinado a la instalación de acuerdo con Código Eléctrico Nacional y regulaciones locales.
- Consulte con el inspector local para asegurar el cumplimiento.
- **PIXELS CONFIGURABLE LED LIGHT SHEETS** tiene polaridad para la conexión.

### PIXELS CONFIGURABLE LED LIGHT SHEETS

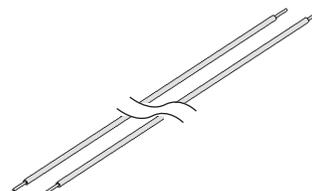
Determine the installation area and material, based on different mounting materials (wood or concrete), different mounting accessories will be needed.



### ACCESSORIES



1 Connector  
Qty: 4pcs



3ft feed wire  
Qty: 1pc

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## WIRING AND INSTALLATION

Determine the number of separately powered runs needed. Calculate the number of power supplies.

<b>Min./max run length</b>	1 pixel / 20 sqft per 96W power supply @ 500 lm/sqft 1 pixel / 10 sqft per 96W power supply @ 1000 lm/sqft
<b>Current</b>	417 mA/sheet @ 500 lm/sqft 833 mA/sheet @ 1000 lm/sqft
<b>Power consumption</b>	5 W/sqft @ 500 lm/sqft 10 W/sqft @ 1000 lm/sqft

1. Measure the area of each run and round it off to the nearest 1 square inch interval.  
Determine the necessary quantities of PIXELS.
2. Measure the distance between the runs in order to determine the length of extension feed wires.  
Connector accepts AWG #24 - #18, recommend AWG #18 solid wire for low voltage drop.
3. Follow the dotted line cutting guides and cut the PIXELS to desired size, PIXELS is field cuttable vertically or horizontally anywhere to single pixel increment.
4. Flexible PIXELS for any flat or curved surface;
5. Use the included 3M adhesive on the back in most applications which should be sufficient in most applications for smooth surface.  
However if mounting surface is a porous or texture surface, then use a staple gun or any nails to secure the PIXELS after wiring.
6. Connect to incoming 120V supply  
*Hard Wire*
  - Transformer must be installed away from heat sources and accessible for service.
  - Enclosed transformer is UL listed. The transformer box has a separate line volt, and low volt wiring compartments. Trade size knockout are provided on both compartments. Connect building wires to like color transformer wires with wire nuts. Building ground wire may be green or uninsulated, and attaches to green wire from power supply box.
7. Connect the output lead wire of the power supply with the connector of the PIXELS sheets or lead wires.  
Connect the PIXELS with included I connectors or 3ft feed wire, any AWG #24 - #18 wires can be used for connection.  
Pay attention to the polarity printed on the sheets.
8. 8 onboard connectors are included per sheet, the cutted sections without connector can also be powered with wires soldered in the field with the pads around every LED chip;
9. Use staple gun or any nails to secure the PIXELS in the none electricity area inside the open rectangles which indicate where it can be stapled through.

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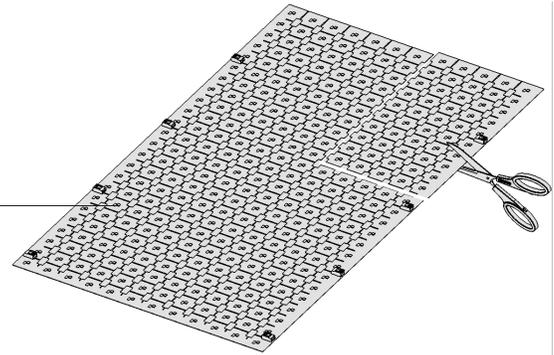
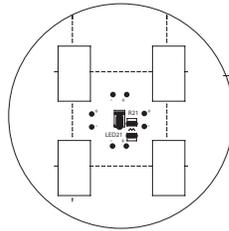
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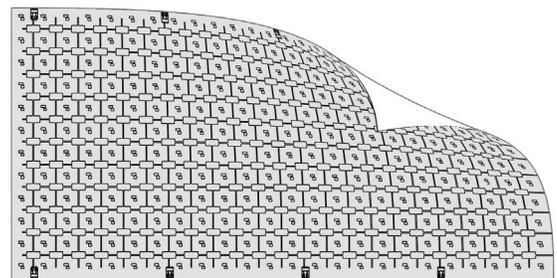
### STEP 1:

- Cut the PIXELS to desired size follow the dotted line cutting lines;
- Can be field cut vertically and horizontally into strips, unique modules or single pixel;



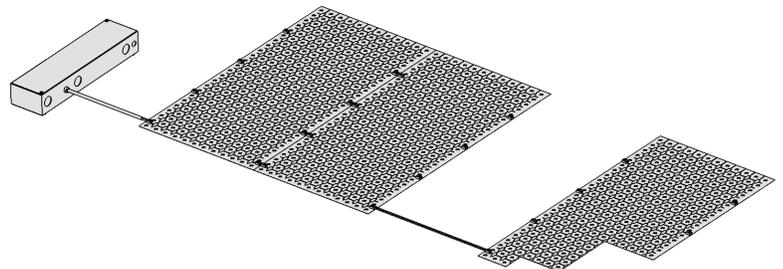
### STEP 2:

- 3M adhesive included on the back to apply on any flat or curved mounting surface;
- Staple gun or nail can be applied for further secure after wiring on porous or texture surface;



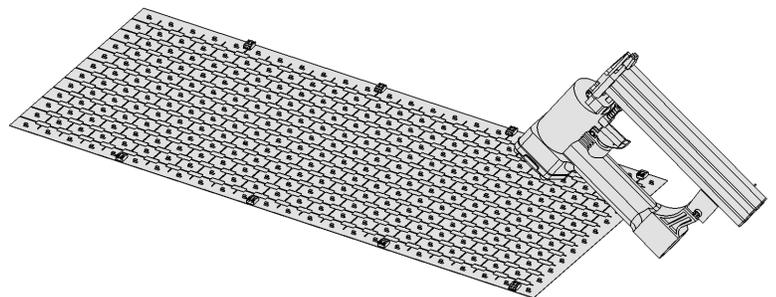
### STEP 3:

- 8 onboard connectors included per sheet accept AWG #24 - #18 wires, AWG #18 suggested for low voltage drop;
- Cutted sections without connector can also be reused, wires can be soldered in the field with the pads around every LED chip to connect to power supply;



### STEP 4:

- Staple gun or nails can be applied for further secure;
- The inside open rectangles are none electricity area where can be stapled through.



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