

# 12x24 in. LED Sheet CCT Selectable 24V

**Description:**

Our 12x24 inch LED Sheet is CCT Selectable and uses a 24V LED Driver (sold separately). You can cut or bend it on indicated lines, perfect for DIY projects. It consumes 25-watts of power per sheet, or 12.5-watts per square foot. And its color temperature can be wired to be 2700K, 4000K, or 6500K. Many of our customers use it to back-light translucent stone counter tops and LED signs.



**Features:**

- CCT Selectable (2700K, 4000K, or 6500K)
- Ultra thin sheet
- Can be bent and cut on designated lines, every 1"x1" square
- 3M adhesive backing
- DIY friendly, easy to cut and use

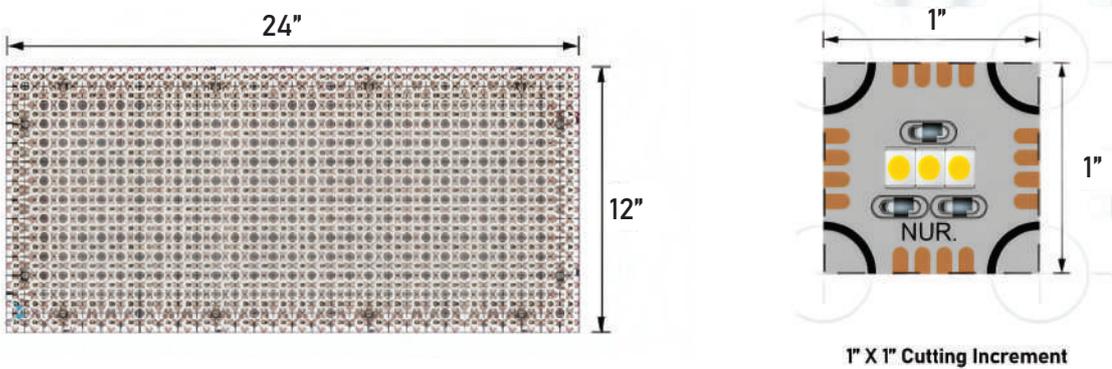


**Applications:**

- Back-lighting counter tops
- Back-lighting signs
- Back-lighting opaque/translucent stone
- Decorative Lighting
- Accent Lighting
- DIY projects



**Dimensions:**



**Technical Specifications:**

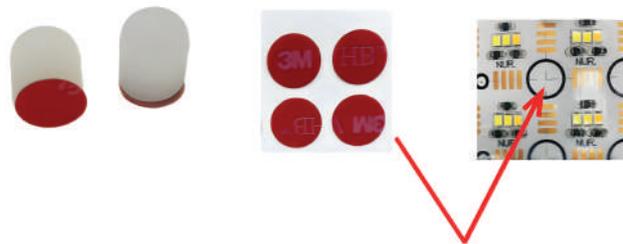
- 25 watts per sheet, 12.5 watts per square foot
- Input Voltage: 24V DC
- 3 Color Options in one sheet: 2700K, 4000K, or 6500K
- Each FPCB chip is made from 3oz of full copper (durability and heat dissipation)
- LED Chip Size: 3040
- Dimensions: 1 ft x 2 ft
- CRI > 90
- Indoor Rated: IP20
- Operating temperature: -4° ~ -113°F
- Certifications: CE, RoHS, UL Listed
- Lifespan: 50,000 hours
- Warranty: 5 years from the date of purchase

<b>LED Type</b>	SMD2835
<b>LED QTY</b>	864LEDs/Sheet
<b>LED Segment</b>	3LED/Seg
<b>Voltage</b>	24V
<b>CRI</b>	Ra>90
<b>Power</b>	25W/Color
<b>CCT</b>	2700K / 6500K / 4000K
<b>Lumen (lm/Sheet)</b>	7300 / 8060 / 8250
<b>Efficacy (lm/w)</b>	146 / 161 / 165

**Accessories:**

**Stand-Offs**

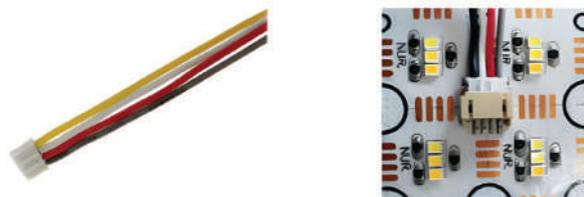
SKU: NUR-3040-SHEET-DOME x10



Stick the 3M Tape to hold the rubber dome

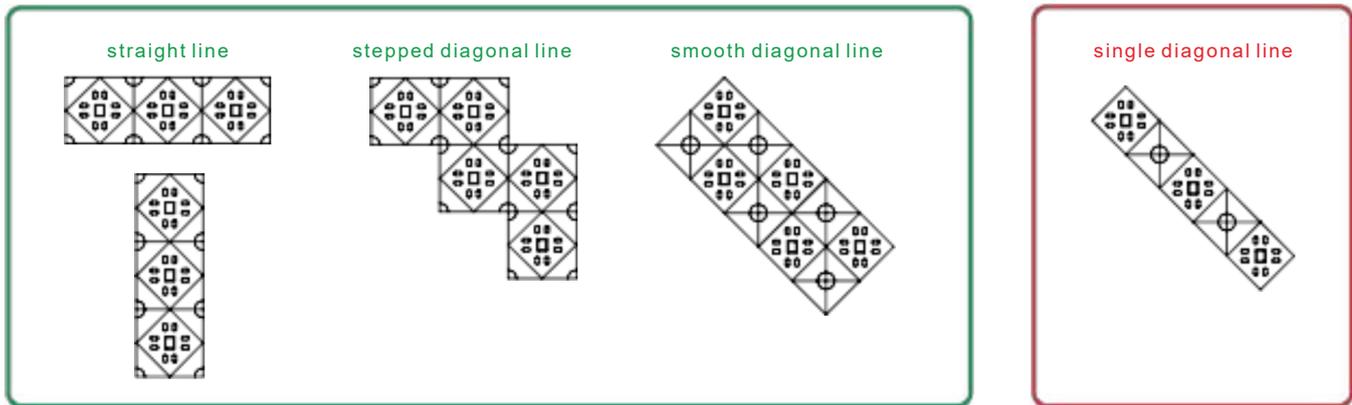
**Connectors**

SKU: NUR-3040-SHEET-CONN x5



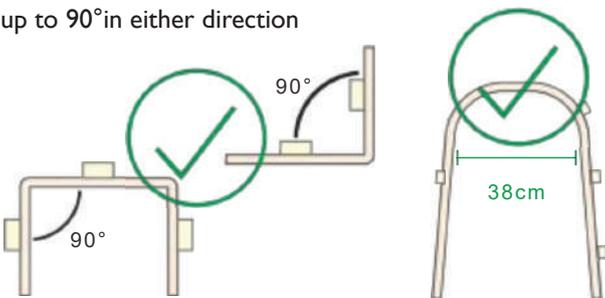
## Cutting Segments:

Sheets can be cut into many custom shapes. When cutting strips, it is important to use only the pre-marked cut lines on the sheet and also to maintain electrical contact. The images below represent the smallest possible linear routing types. The green box represents strip routing types that work by preserving the electrical connection, and the one in red represents a routing type that will not function correctly due to interruptions of the electrical connection.

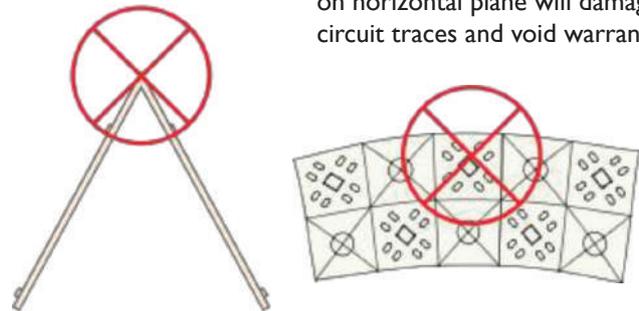


## Strip Flexibility:

Hard bends can be made up to 90° in either direction



Bending strip sheets or sections on horizontal plane will damage circuit traces and void warranty.



Bending strips sheets or sections at sharp angles will damage circuit traces and void warranty.

### Application

Below are examples of the types of shapes and patterns that can be made and linked as needed to fit nearly any application. The only limiting factor is max run, which can be easily extended by connecting additional power supplies. Additional power supplies can connect to any individual square LED segment anywhere in the run for maximum flexibility

