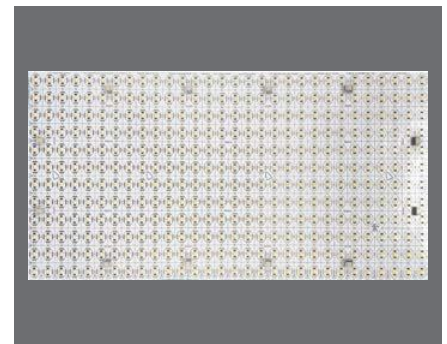




| Job Information <i>Fill out project details for this product below</i> |  |                     |  |
|--|--|---------------------|--|
| <b>Project</b>   |  | <b>Location</b>     |  |
| <b>Contact</b>   |  | <b>Date</b>         |  |
| <b>Product Number</b>  |  | <b>Fixture Type</b> |  |

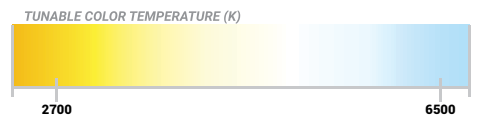
The Matrix Tunable is unparalleled in its adaptability for creative lighting design application. With a beam angle of 120°, consistent output and uniform light dispersion with a low wattage profile.



## APPLICATIONS

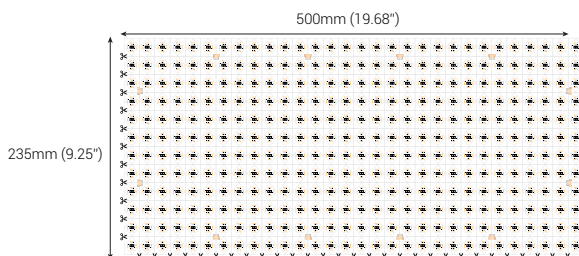
- Backlighting
- Large Formats
- Backlit Stone
- Backlit Graphics

## LIGHT TEMPERATURE

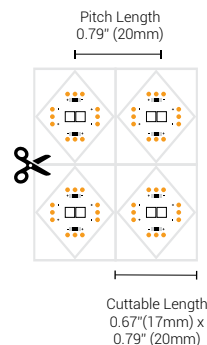


## OVERVIEW

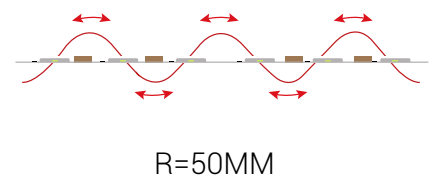
### FRONT VIEW



### MINIMUM CUTTABLE SIZE



### BEND DIRECTION





## SPECIFICATIONS

### PHYSICAL SPECIFICATIONS

|                              |   |
|------------------------------|---|
| <b>Part Number</b>           | 430600-004-24-011   |
| <b>CRI</b>                   | 85+   |
| <b>LED / Sheet</b>           | 720LEDs/Sheet (3-step macadam ellipse)  |
| <b>Color Temperature</b>     | Warm 2700K • Cool 6300K   |
| <b>Lumen Maintenance</b>     | LM80 @ 50,000/hrs   |
| <b>Lumens</b>                | 50-55lm/piece   |
| <b>Operating Temperature</b> | -20 °C (-4 °F) ~ +60 °C (+140 °F)   |
| <b>Environment</b>           | Dry / Damp location only (indoor)   |
| <b>Mounting</b>              | 3M adhesive tape and screws   |
| <b>Size of sheet</b>         | 9 3/8"(238 mm) (L) x 19 11/16" (500 mm) (W)   |
| <b>Minimum Size</b>          | Minimum cuttable size (individual LED cuttable)   |
| <b>Maximum Size</b>          | Maximum tiling up to 7 sheets (based on 96W driver)   |
| <b>Depth</b>                 | Bumper height - 8mm • Overall depth of the system (including bumper) - 8.75mm   |
| <b>Weight</b>                | 0.3 lb/sheet  |
| <b>Accessories</b>           | Includes connection wires and hardwire cables with 3-pin connector male plug and a plug-in adaptor cable with 2.1mm/5.5mm female barrel connector |

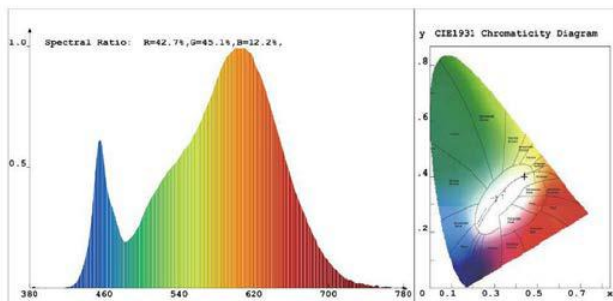
### ELECTRICAL SPECIFICATIONS

|                          |                     |
|--------------------------|---------------------|
| <b>Input Voltage</b>     | 24V DC              |
| <b>Power Consumption</b> | 11 W/Sheet          |
| <b>Wire Size</b>         | 22 AWG              |
| <b>Wiring</b>            | 22 AWG              |
| <b>Connector</b>         | 3-pin male plug     |
| <b>Certification</b>     | UL listed (E346146) |

### ACCESSORIES PACK



## SPECTRUM TEST REPORT



The data is testing result is of 1 sheet product without IP protection process. The IP protection process leads to changes in size, CCT and luminous flux, please refer to product specifications for details.



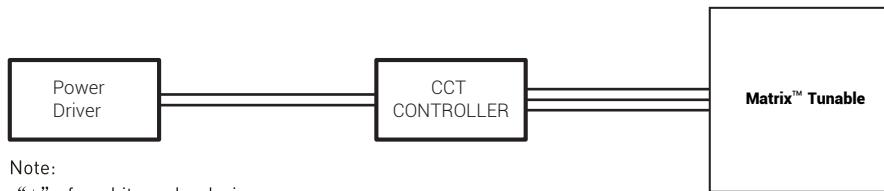
## WIRING

Determine your system components, including a power driver as optional dimmer and controller. Use only UL Certified power drivers, as well with the power output that coordinates with your input voltage. Do not apply AC voltage directly to Matrix Tunable sheet, as within seconds the result may be burned LEDs or fire. Look for our 24VDC voltage tags at the end of the power cord.

### WIRING MATRIX XD TUNABLE

1. Turn off power to your system at the main breaker;
2. Install your system components. Refer to wiring guidelines for each component to build your system;
3. Check connections and turn on power at the main breaker.

### WIRING MATRIX XD TUNABLE



Note:

“+” for white and red wire.

The above diagram is only for installation, not the physical drawing.



## ACCESSORIES AND OPTIONS

### POWER ADAPTORS OPTIONS

#### Hardwire

|        |     |      |
|--------|-----|------|
| 951012 | 24V | 60W  |
| 950037 | 24V | 60W  |
| 950038 | 24V | 96W  |
| 950039 | 24V | 150W |

#### 5 in 1 Dimming Driver

|               |     |      |
|---------------|-----|------|
| 951004-24-096 | 24V | 96W  |
| 951006-24-192 | 24V | 192W |

#### Plug-In (Class 2)

|        |     |     |
|--------|-----|-----|
| 950025 | 24V | 96W |
| 950032 | 24V | 60W |
| 950033 | 24V | 36W |
| 950035 | 24V | 96W |
| 950036 | 24V | 60W |

\* Other power options available on request

### CONTROLLER OPTIONS

#### DMX Decoder

|        |     |          |
|--------|-----|----------|
| 970032 | 24V | Max. 96W |
| 970033 | 24V | Max. 96W |

#### Power Repeater

|        |        |
|--------|--------|
| 970037 | 12-36V |
|--------|--------|

#### DMX Wall Controller

|        |             |          |
|--------|-------------|----------|
| 970041 | CCT Tunable | 12-24VDC |
|--------|-------------|----------|

#### RF CCT Driver

|        |     |     |
|--------|-----|-----|
| 951029 | 24V | 90W |
|--------|-----|-----|

#### RF CCT Wall Controller

|        |          |
|--------|----------|
| 970043 | 12-24VDC |
|--------|----------|

\* Other controller options available on request

### CONNECTOR ACCESSORIES

|                  |                 |
|------------------|-----------------|
| Connection Wires | 3-pin male plug |
| Hardwire Cables  | 3-pin male plug |

#### Plug-In Adapter

|                               |
|-------------------------------|
| 5.5mm female barrel connector |
| 2.1mm female barrel connector |

### MOUNTING OPTIONS

|          |                       |
|----------|-----------------------|
| Option 1 | 3M Adhesive Back      |
| Option 2 | Screws (not included) |



# Matrix™ Tunable



LED Light Sheet

Part#: 430600-004-24-011

## ORDER INFORMATION

| Product # | - | Color Temperature               | Voltage   | Wattage        |
|-----------|---|---------------------------------|-----------|----------------|
| 430600    |   | 004- CCT Tunable 2700K to 6300K | 24-24V DC | 011 -11W/Sheet |

### EXAMPLE

**430600-004-24-011**

The specification number immediately above can be deconstructed as follows:

- Matrix Tunable Sheet; Color Temperature-2700K-6300K; Voltage-24V; Wattage-11 W/Sheet