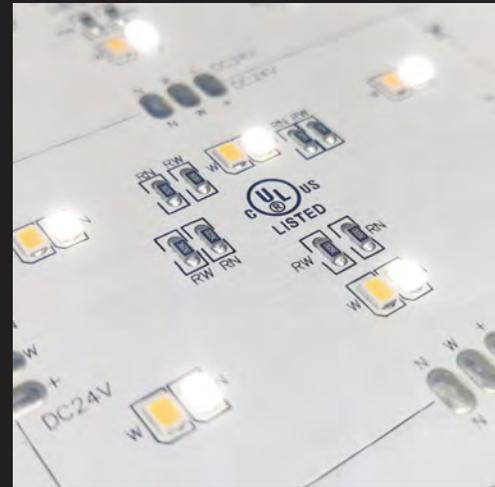
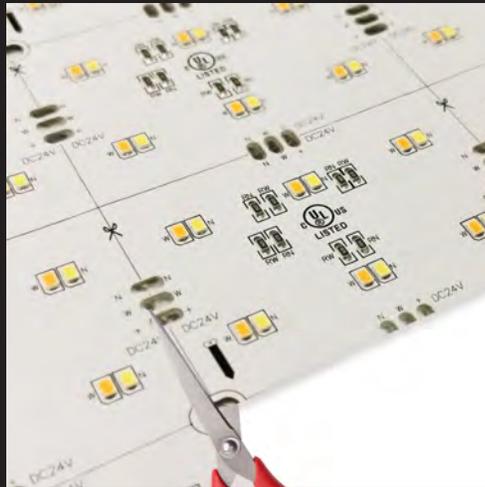
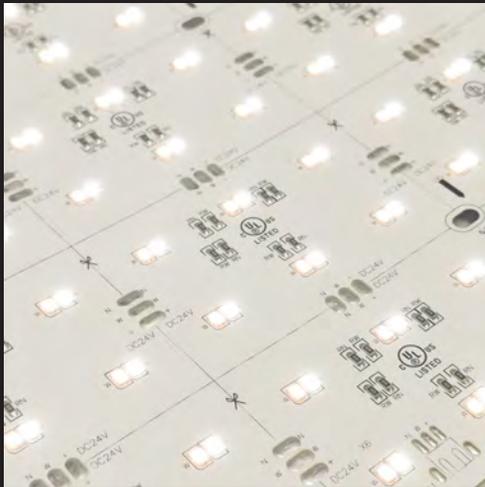


# CASPER

FLEXIBLE LED SHEETS



[lumiron.com](http://lumiron.com)



## CCT COLOR PRODUCT SPECS

# WELCOME

**CASPER LED FLEXIBLE SHEET** Single Color White is the most advanced light sheet ever created. It features revolutionary improvements over the original initially produced.

**PART No. CAS-288-XX-24V-IXI**



## HIGHLIGHTS

- CCT DUO color white temperatures
- Cuttable down to a single LED or LED group while maintaining UL Listing
- Easy installs with plug-in-play light sheet connections
- Patented design exemplifies ingenuity and advantage
- Five year warranty



**24VDC**  
Low-Voltage

**50k**  
Rated Life

**5-YEAR**  
Warranty

## ELECTRICAL

INPUT VOLTAGE	24VDC - Constant Voltage
POWER CONSUMPTION	12 W Per Sheet (10W / ft <sup>2</sup> ; 93.W/m <sup>2</sup> ; 0.14W per LED)
WIRES	20AWG 2 wire (black wire + white wire -)
CERTIFICATIONS	UL Listed (E363518) CE Compliant (EMC and LVD) RoHS Certified

## PHYSICAL

COLOR TEMPERATURE	2300K - 6500k
CRI	90
LIGHT OUTPUT	1090 Lumens per sheet
MOUNTING	Mounting holes, Adhesive backing as a supplementary method
OPERATING / WORKING TEMPERATURE	<b>Operating:</b> -22°F to 122°F (-30°C to 50°C) <b>Working:</b> 93°F (34°C)
SURFACE TEMPERATURE	<b>LED:</b> -97°F (36°C to 50°C) <b>PCB:</b> 90°F (32°C) <b>Resistor:</b> 93°F (34°C)
ENVIRONMENT	IP20 - Dry locations only
COVERAGE	2ft <sup>2</sup> (0.19m <sup>2</sup> ) per sheet / up to 10 ft <sup>2</sup> (0.93m <sup>2</sup> ) per Class 2 guidelines
CUT / FOLD LINE SPACING	2" (5.08cm) short axis / 3" (7.62cm) long axis
DIMENSIONS	12" x 24" (15cm x 60cm)
WEIGHT	0.4lbs / 6.32oz / 179g

## FEATURES

<b>FIELD CUSTOMIZABLE</b>	Maintains UL Listing when cut
<b>ENERGY EFFICIENCY</b>	100 lumens per watt
<b>LONG LIFESPAN</b>	50,000 + hours
<b>FLEXIBLE / FOLDABLE PCB</b>	Polyimide film substrate
<b>CONSISTENT LIGHT QUALITY</b>	Tight ANSI bin control LEDs
<b>LED QUANTITY / DENSITY</b>	567 SMD type 2835 LEDs per sheet
<b>FULL INTEGRATION SUPPORT</b>	From concept to completion
<b>UNIQUE POWER DISTRIBUTION GRID</b>	Groups or single LEDs can be cut from anywhere on light sheet
<b>WARRANTY</b>	5 years Limited Warranty

## POWER & CONTROLS

Compatible with all control protocols via associated power and control components. Quality tested for low-end light output consistency across all LEDs (100-0%).

## CLASS 2 & UL COMPLIANCE

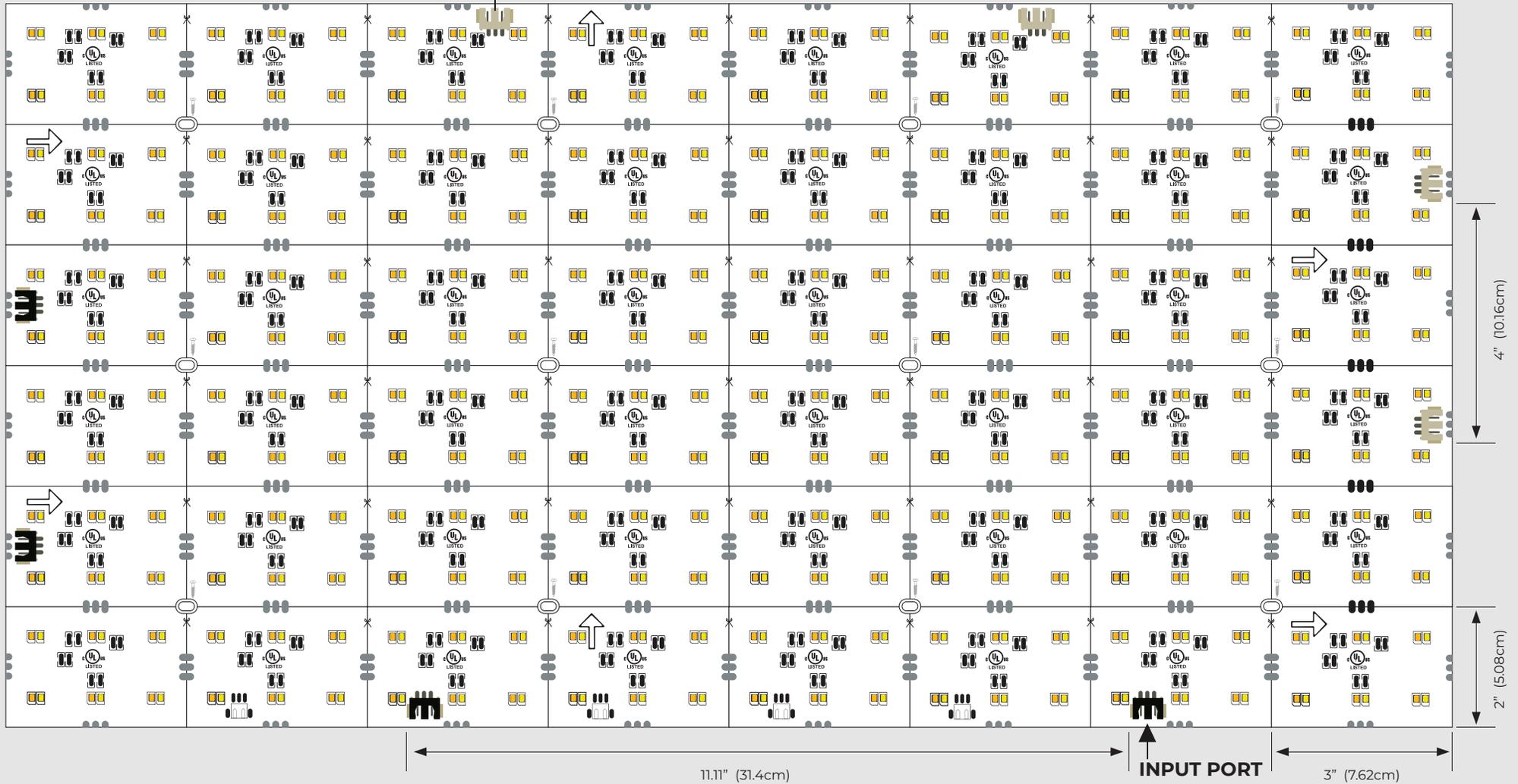
Use Class 2 power supplies with a maximum power output of 96W (per channel/circuit) to retain UL Class 2 Listing compliance. Best practices include allowing headroom for power supply longevity.

# TECHNICAL DRAWINGS (not to scale)

## CASPER FLEX LED SHEET

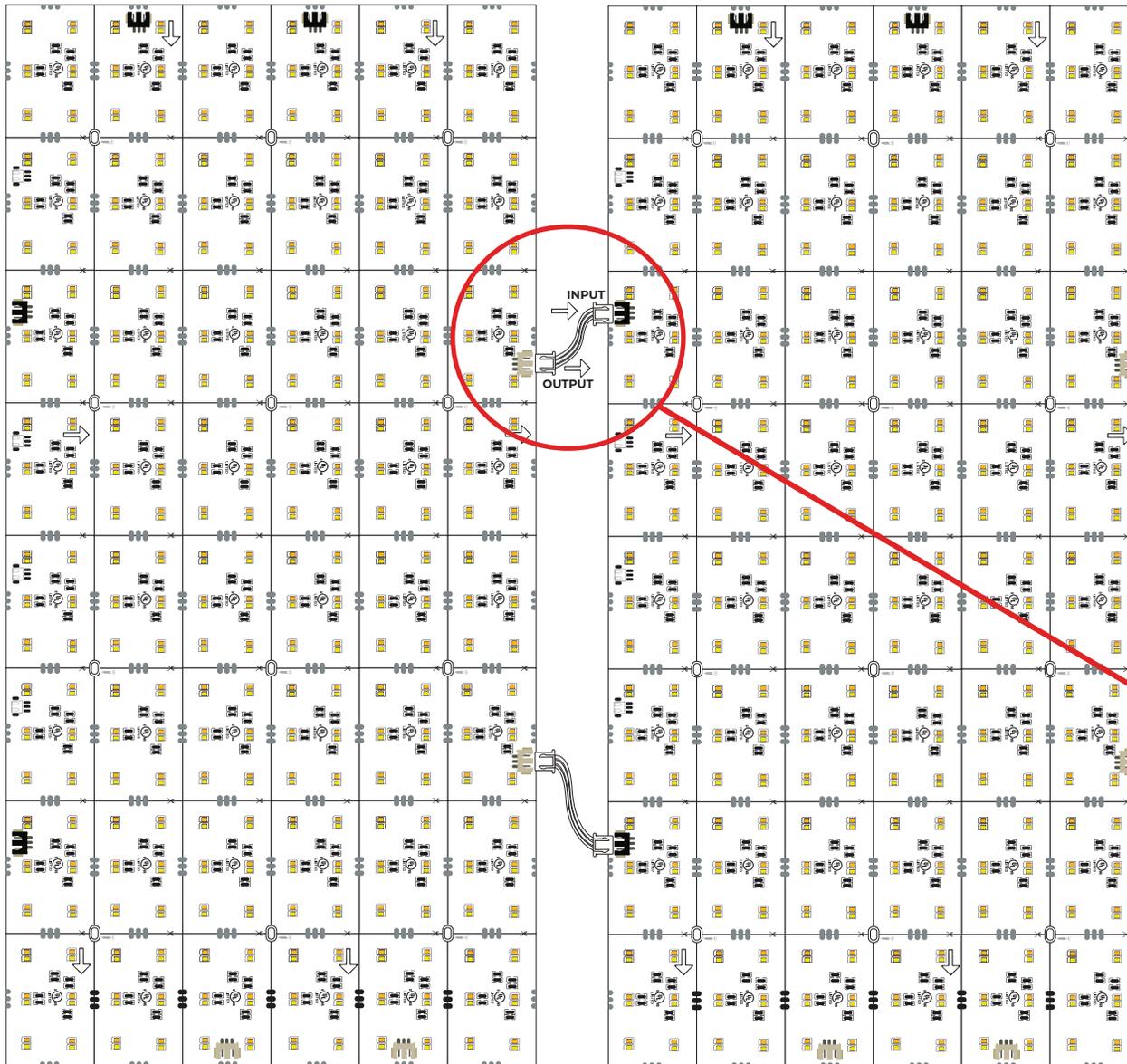
TOP VIEW

OUTPUT PORT



CASPER FLEX LED SHEET

CONNECTION DIAGRAM (not to scale)

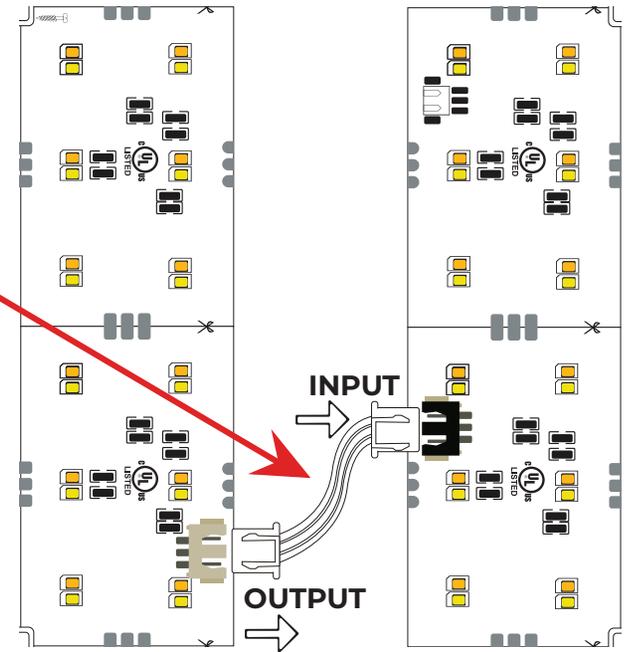


**CONNECT**  
CASPER FLEX LED SHEETS

With CCT DUO COLOR Flex LED sheets, you can effortlessly interconnect them using **THE INPUT TO OUTPUT PORTS** available.

Explore our range of accessory options for various connectors compatible with CASPER Flex Sheets.

Additionally, for Power Supply connection, we offer two distinct options tailored to different installation requirements.



## SAMPLE OF WIRING

### CONNECTION OPTION

The wiring configuration depicted here represents the fundamental installation procedure. There are different types of Power supplies and controllers that can offer additional customization options tailored to specific requirements.

It's important to note that the illustration serves as an **EXAMPLE ONLY**.

For a broader array of choices, you can explore further options at this link:

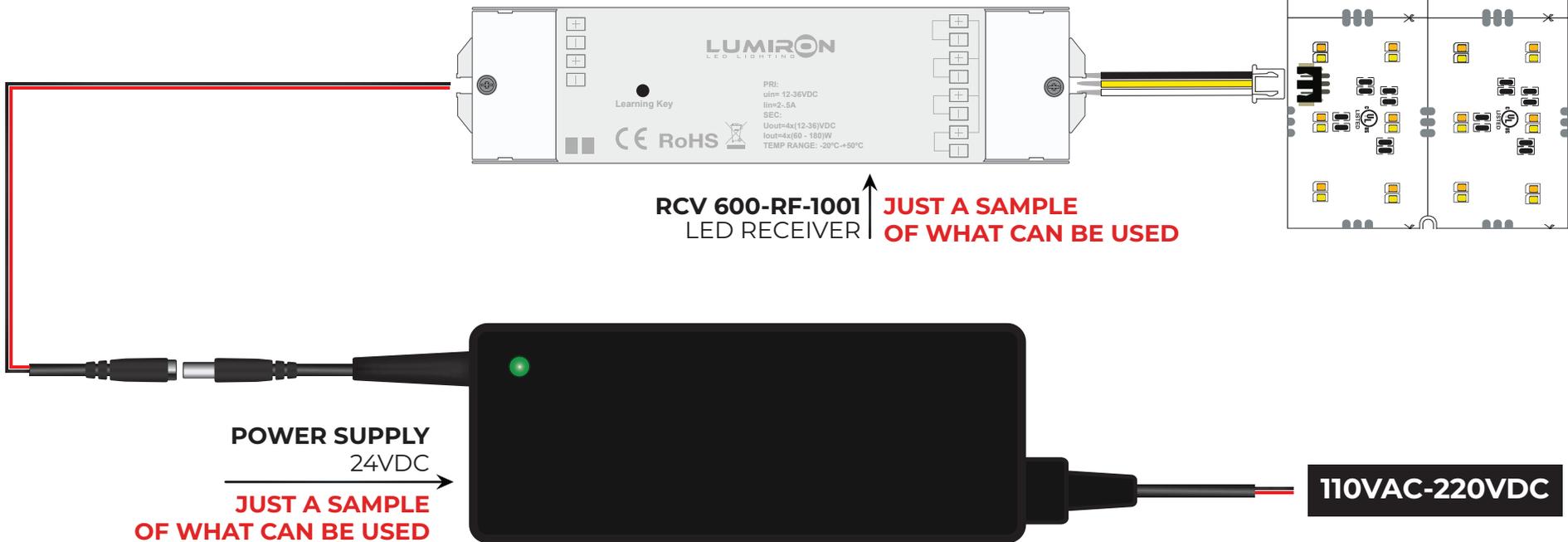
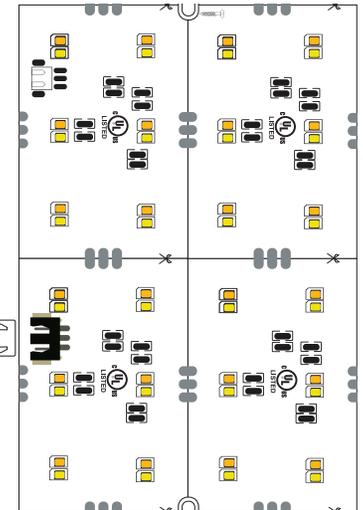
<https://lumiron.com/product/casper-flexible-led-light-sheets/>



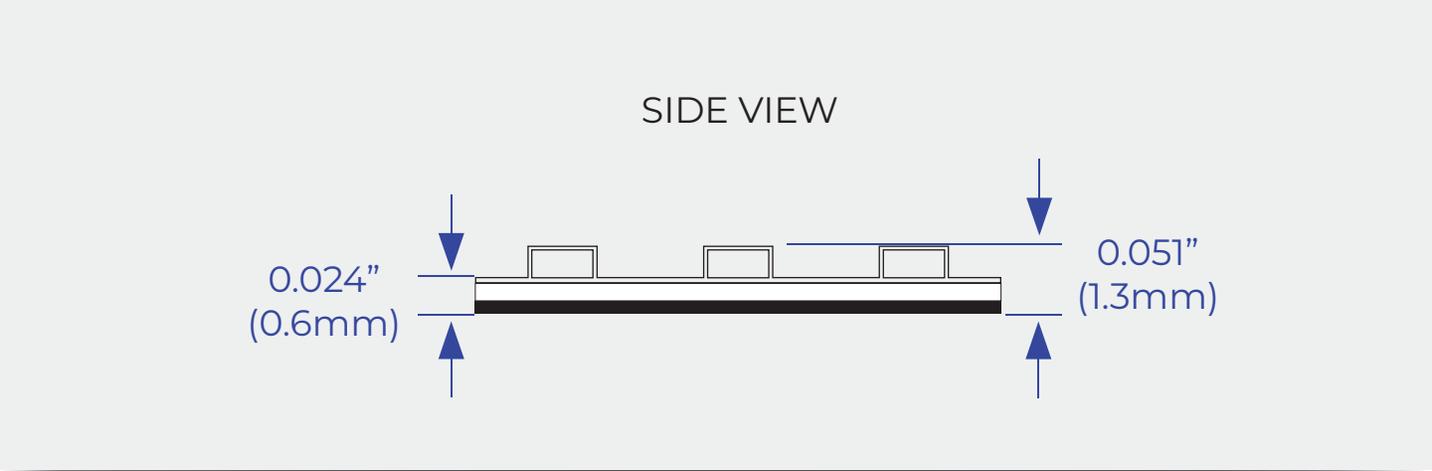
**DMR 3004 PB 4 Zones  
Wireless Dimmer Receiver**

**JUST A SAMPLE  
OF WHAT CAN BE USED**

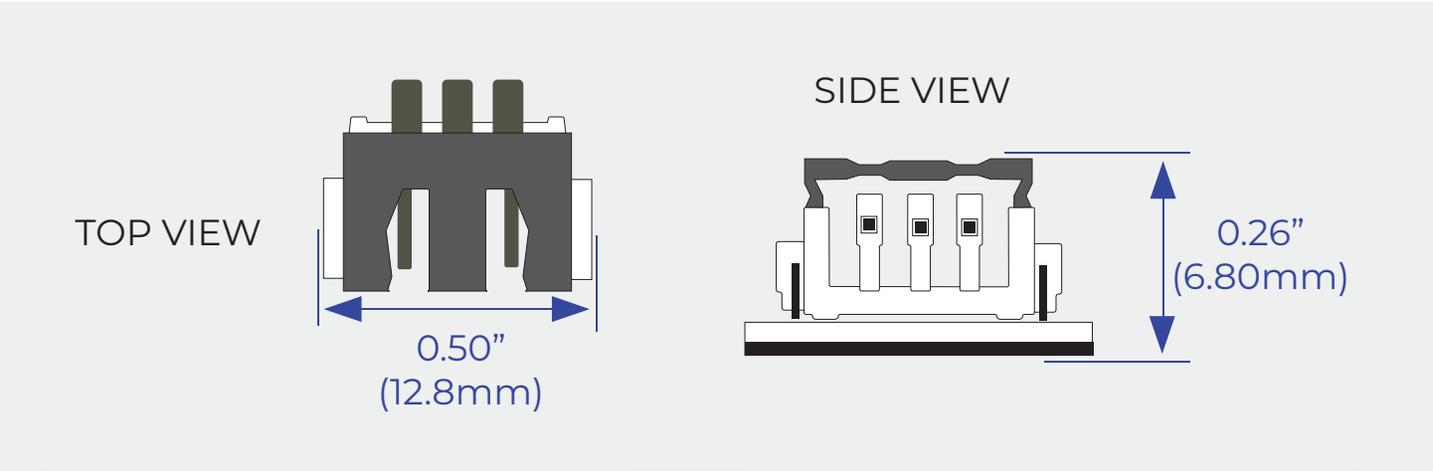
**CASPER CCT  
FLEX LED SHEET  
(Just a section shown)**



**FLEX SHEET & LED HEIGHT (SKU: CAS-288-XX-24V-IXI)**

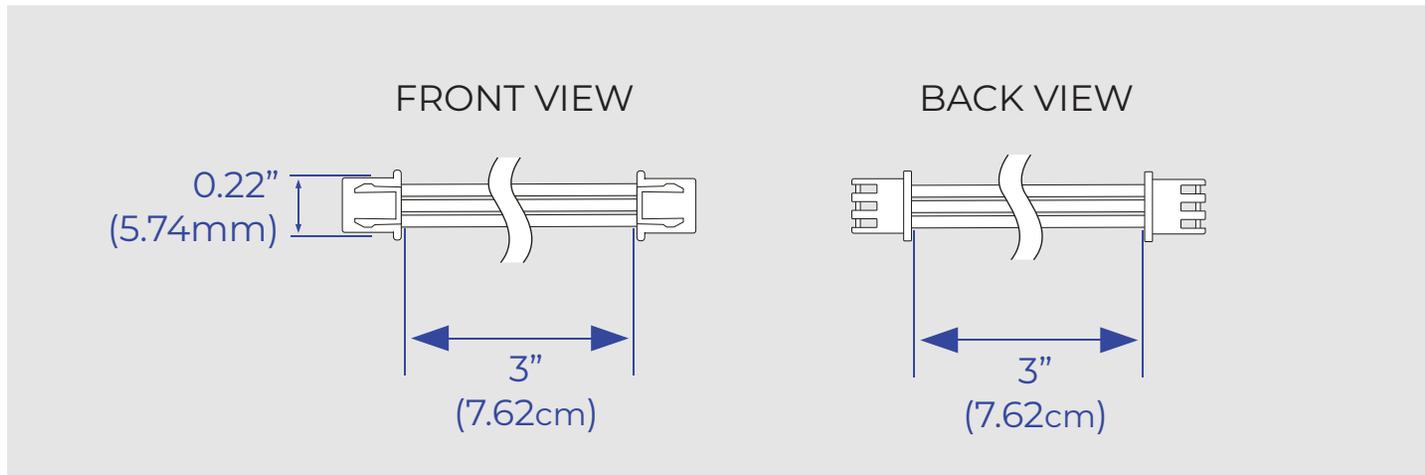


**TERMINAL PLUG**

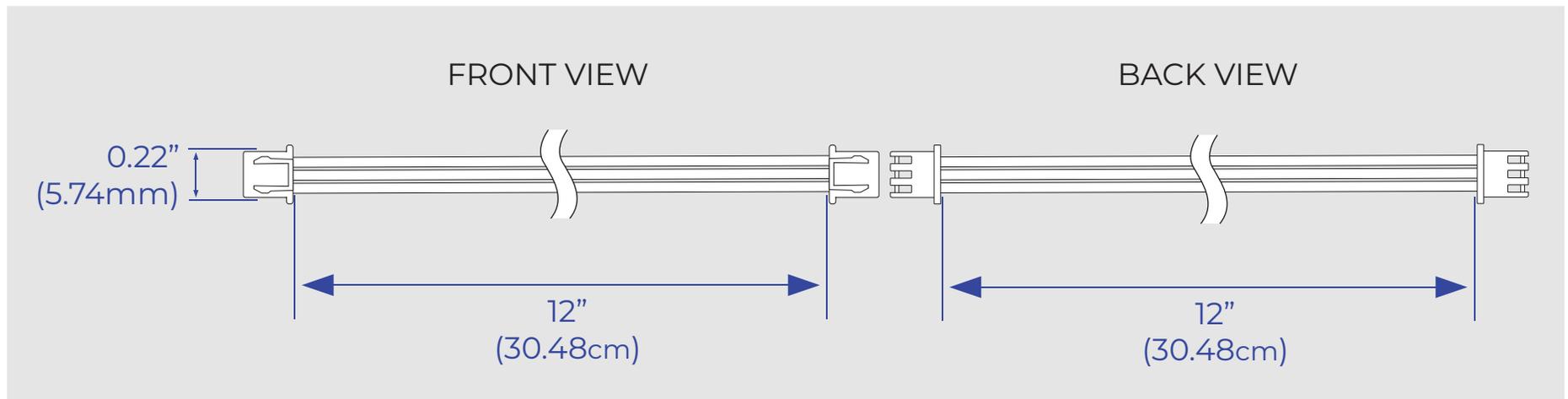


**TECHNICAL DRAWINGS** (not to scale)  
**ACCESSORY PACK (SOLD SEPARATELY)**

**CASPER CCT Tunable Color** Connecting Cable 3" (SKU: 3500-CAS-350-1005)

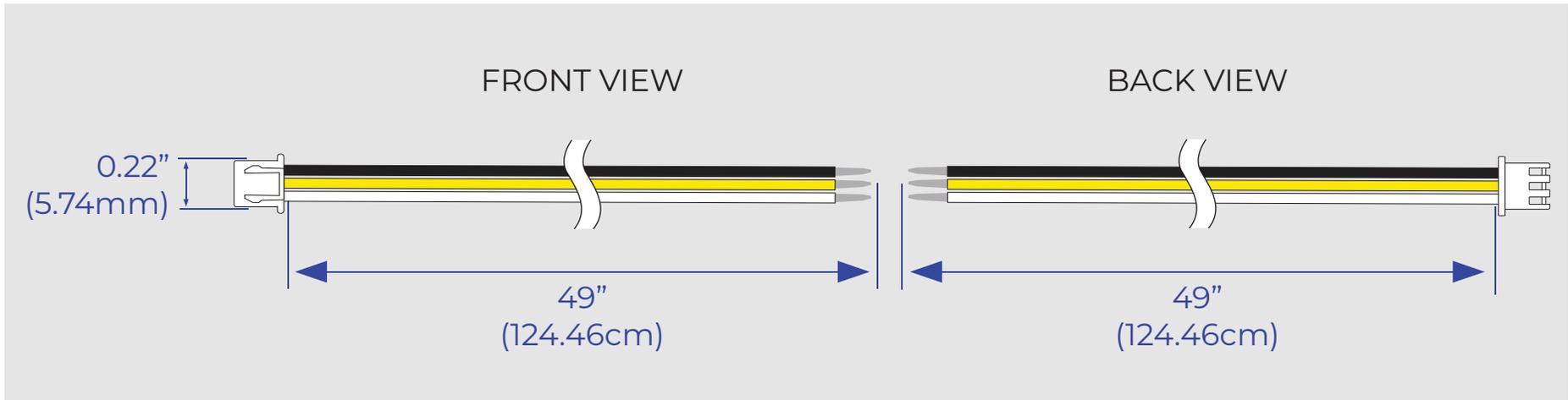


**CASPER CCT Tunable Color** Connecting Cable 12" (SKU: 3500-CAS-350-1007)



**TECHNICAL DRAWINGS** (not to scale)  
ACCESSORY PACK **(SOLD SEPARATELY)**

**CASPER CCT Tunnable Color** Hardwire Power Cord 49" (SKU: 3500-CAS-350-1006)



**STANDOFF** Acrylic Spacers



## BASIC SINGLE COLOR WHITE LED SHEET

MODEL	VOLTAGE	COLOR TEMPERATURE	SHEET SIZE
3500-CAS-250-1002	24 - 24VDC Constant Voltage	2300K - 6500k	1224 - 12" x 24"

EXAMPLE PART NUMBER

CAS-250	—	24	—	23 - 65	—	1224
Model		Voltage		Color Temp		Sheet Size

## ACCESSORIES (SOLD SEPARATELY)

ITEM	PART NUMBER	DESCRIPTION
CASPER Single Color Connecting Cable 3" <b>(Required)</b>	3500-CAS-350-1005	0.1 lbs ( 0.05 kg ) 3 x 0.5 x 0.5 in ( 76.2 x 12.7 x 12.7 mm )
CASPER Single Color Power Cord 12"	3500-CAS-350-1007	0.1 lbs ( 0.05 kg ) 12 x 0.5 x 0.5 in ( 304.8 x 12.7 x 12.7 mm )
CASPER Single Color Connecting Cable 12"	3500-CAS-350-1004	0.1 lbs ( 0.05 kg ) 12 x 0.5 x 0.5 in ( 304.8 x 12.7 x 12.7 mm )
STANDOFF Acrylic Spacers	SPC 143R / SPC 123R SPC 98R / SPC 92RS SPC 67RS	Made of acrylic material to ensure durability and reliability, wear resistance, corrosion resistance and rust resistance..
Dimmable Power Supply Magnetic MLV 100W 24V	PSD-100W-24V	<ul style="list-style-type: none"> <li>•Power Supply Magnetic MLV 100W 24V with any LV magnetic dimmer as long as you cover dimmer's min load.</li> <li>•Temperature class B(130°C).</li> <li>•Input leads are 18AWG 600V.</li> <li>•Output leads are 18AWG 300V.</li> <li>•Leads max. operational temperature is 105°C.</li> <li>•Thermal self reset primary breaker 200A.</li> <li>•Thermal self reset secondary breaker 400A.</li> </ul>



**LEADING THE WAY ON STYLISH LIGHTNING**



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**THANK YOU**

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