

CASPER

FLEXIBLE LED SHEETS



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SINGLE 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

- Single 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	20 W Per Sheet (10W / ft ² , 93.W/m ² 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	5300 K
CRI	90
LIGHT OUTPUT	2000 Lumens per sheet
MOUNTING	Mounting holes, Adhesive backing as a supplementary method
OPERATING / WORKING TEMPERATURE	Operating: -22°F to 122°F (-30°C to 50°C) Working: 93°F (34°C)
SURFACE TEMPERATURE	LED: -97°F (36°C to 50°C) PCB: 90°F (32°C) Resistor: 93°F (34°C)
ENVIRONMENT	IP20 - Dry locations only
COVERAGE	2ft ² (0.19m ²) per sheet / up to 10 ft ² (0.93m ²) per Class 2 guidelines
CUT / FOLD LINE SPACING	0.70" (1.8cm) short axis / 0.70" (1.8cm) long axis
DIMENSIONS	12" x 24" (15cm x 60cm)
WEIGHT	0.4lbs / 6.32oz / 179g

FEATURES

FIELD CUSTOMIZABLE	Maintains UL Listing when cut
ENERGY EFFICIENCY	100 lumens per watt
LONG LIFESPAN	50,000 + hours
FLEXIBLE / FOLDABLE PCB	Polyimide film substrate
CONSISTENT LIGHT QUALITY	Tight ANSI bin control LEDs
LED QUANTITY / DENSITY	288 SMD type 2835 LEDs per sheet
FULL INTEGRATION SUPPORT	From concept to completion
UNIQUE POWER DISTRIBUTION GRID	Groups or single LEDs can be cut from anywhere on light sheet
WARRANTY	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

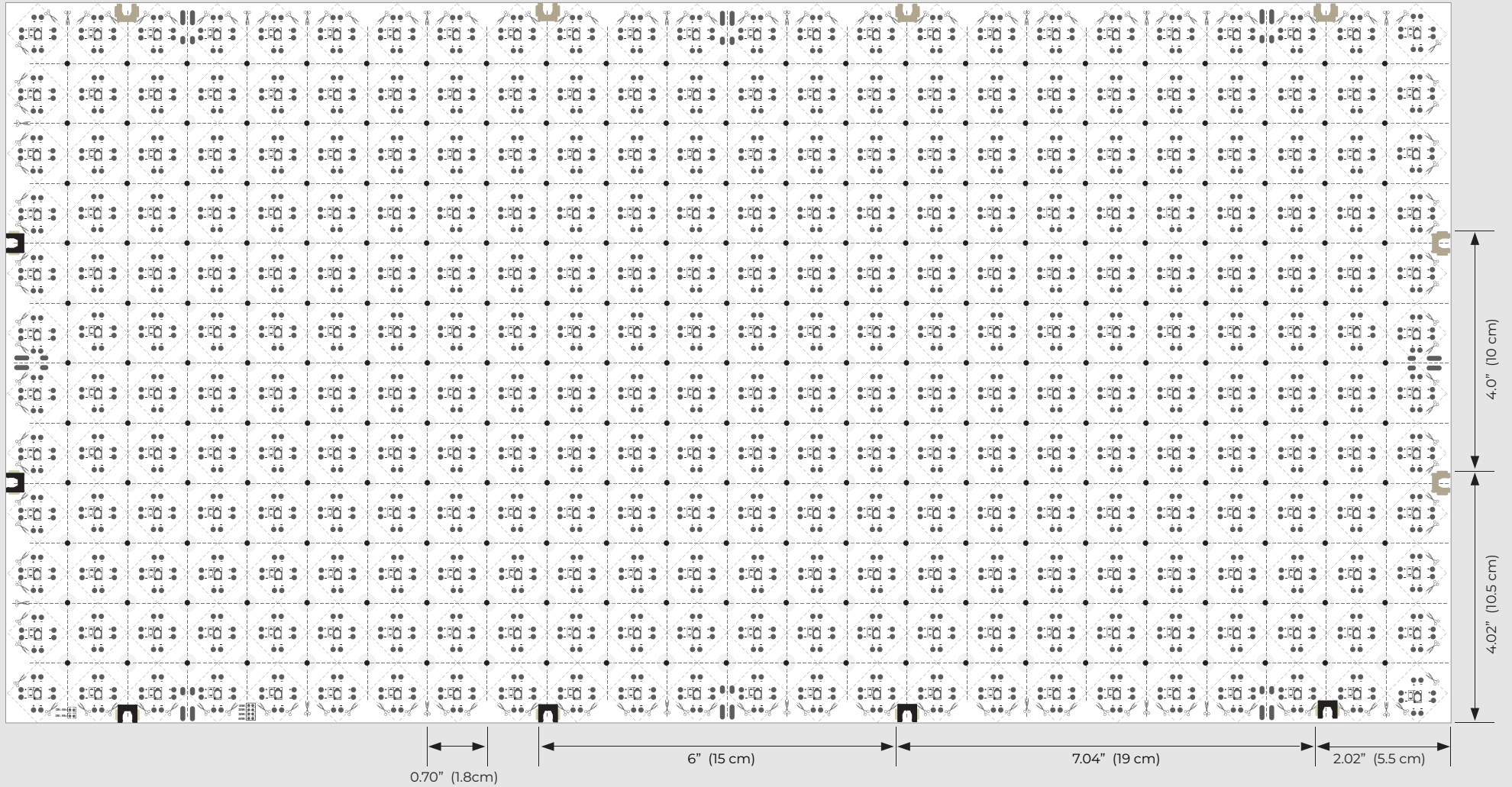
Use Class 2 power supplies with a maximum power output of 96W (per channel/circuit) to retain UL Class 2 Listing compliance. Best practices include allowing headroom for power supply longevity.

TECHNICAL DRAWINGS (not to scale)



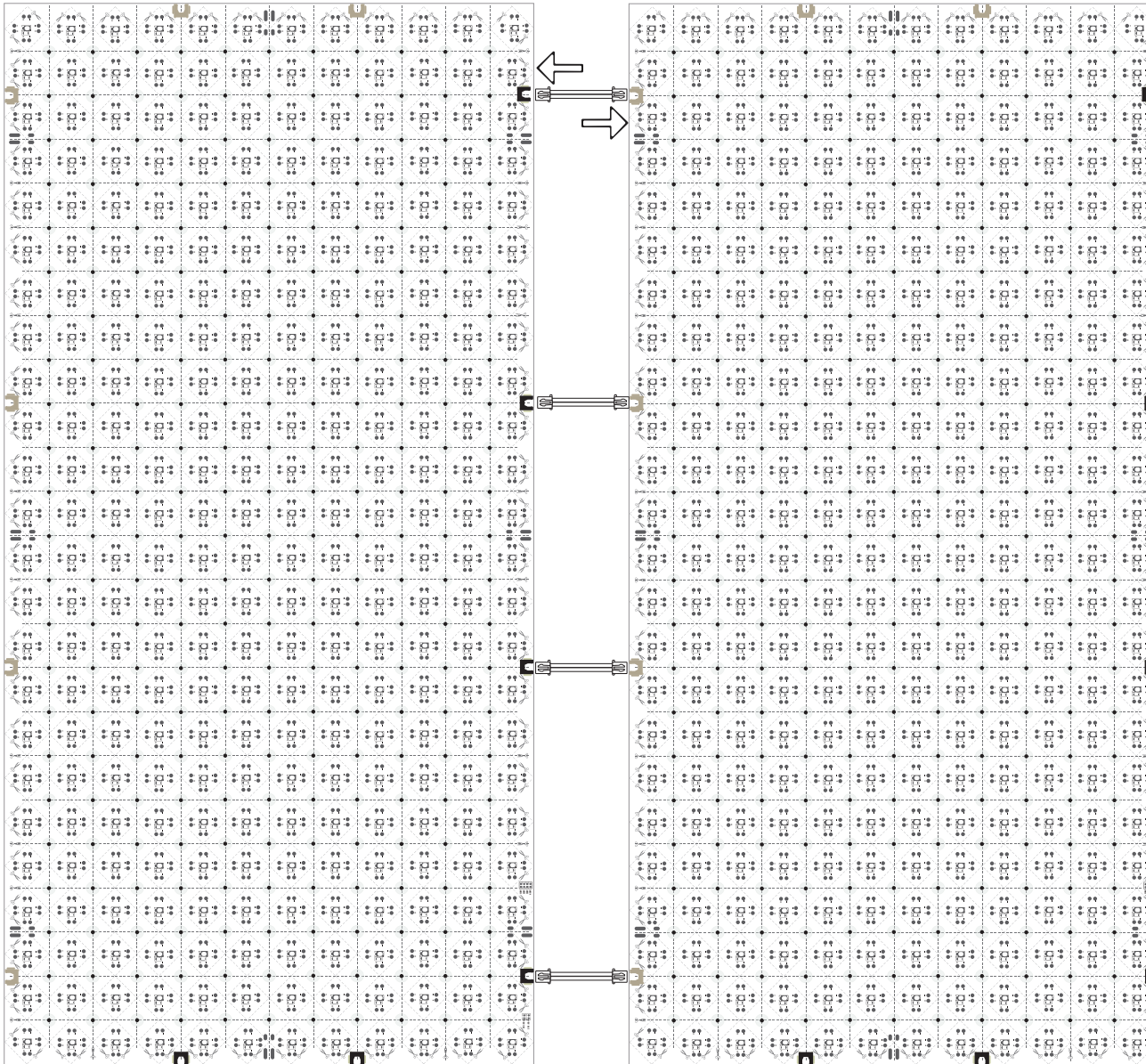
CASPER FLEX LED SHEET

TOP VIEW



CASPER FLEX LED SHEET

CONNECTION DIAGRAM (not to scale)



 **CONNECT**
CASPER FLEX LED SHEETS


With Single Color Flex LED sheets, you can effortlessly interconnect them using **any Terminal Port** 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.

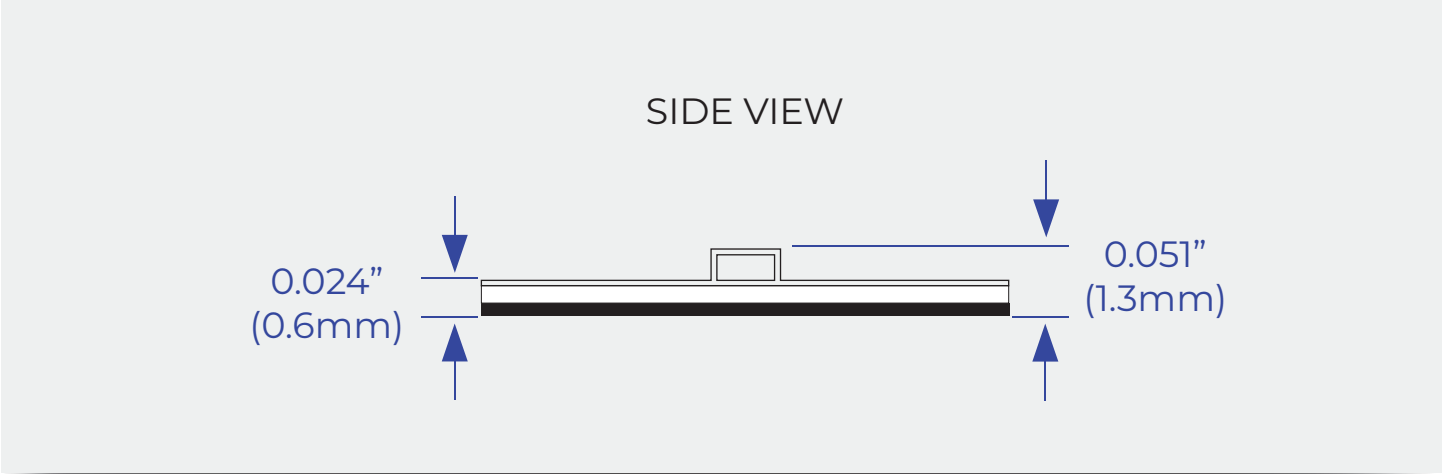
OPTION 1

 CONNECT FOR POWER SUPPLY

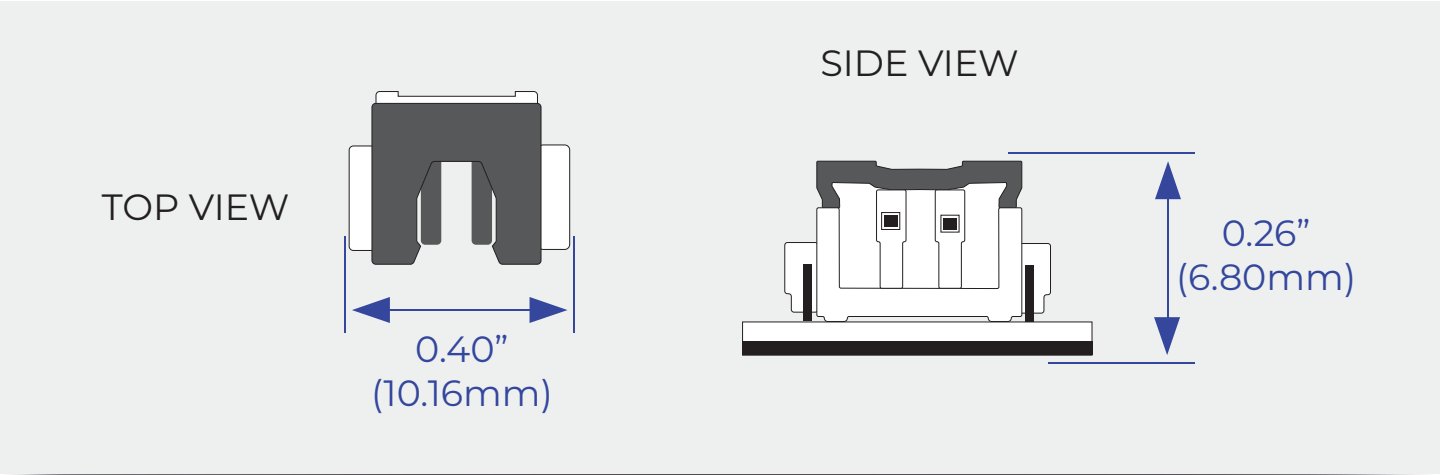
OPTION 2

 CONNECT FOR POWER SUPPLY

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



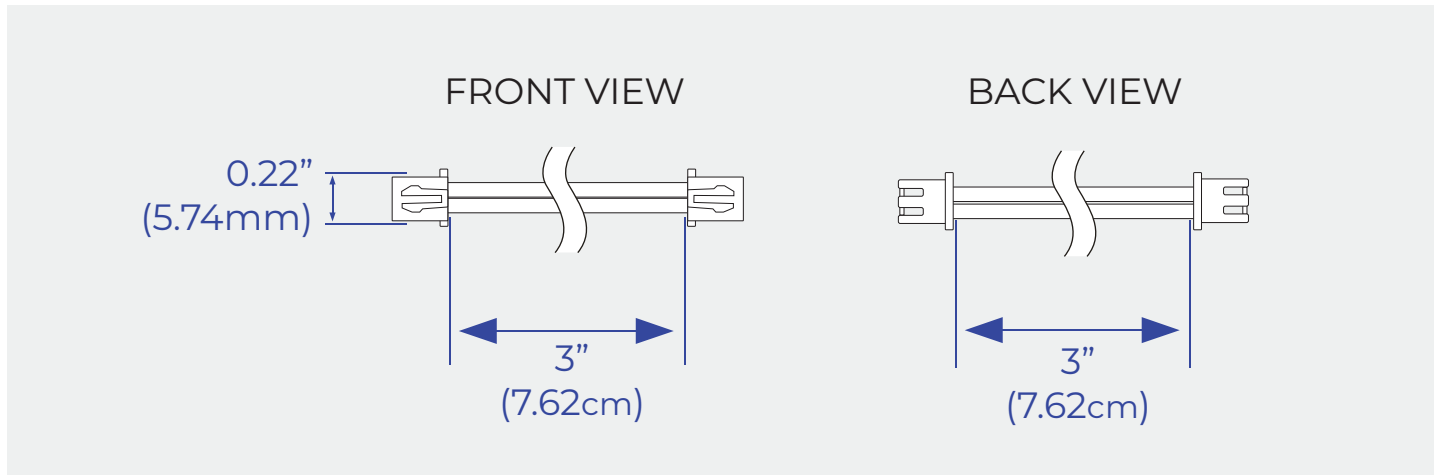
TERMINAL PLUG



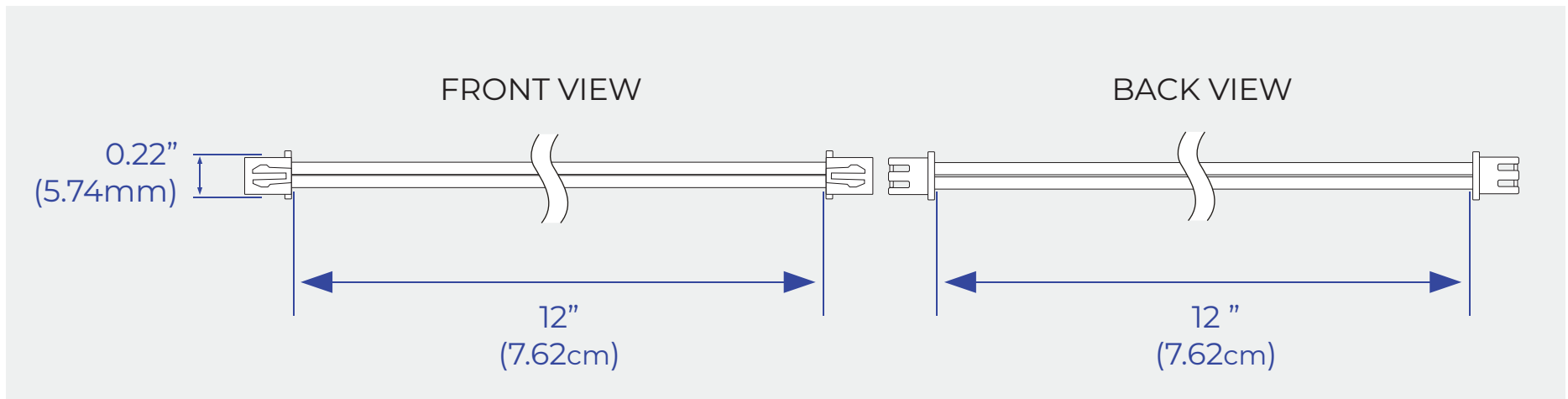
TECHNICAL DRAWINGS (not to scale)

CONNECTING CABLES (SOLD SEPARATELY)

CASPER Single Color Connecting Cable 3" (SKU: 3500-CAS-350-1002)



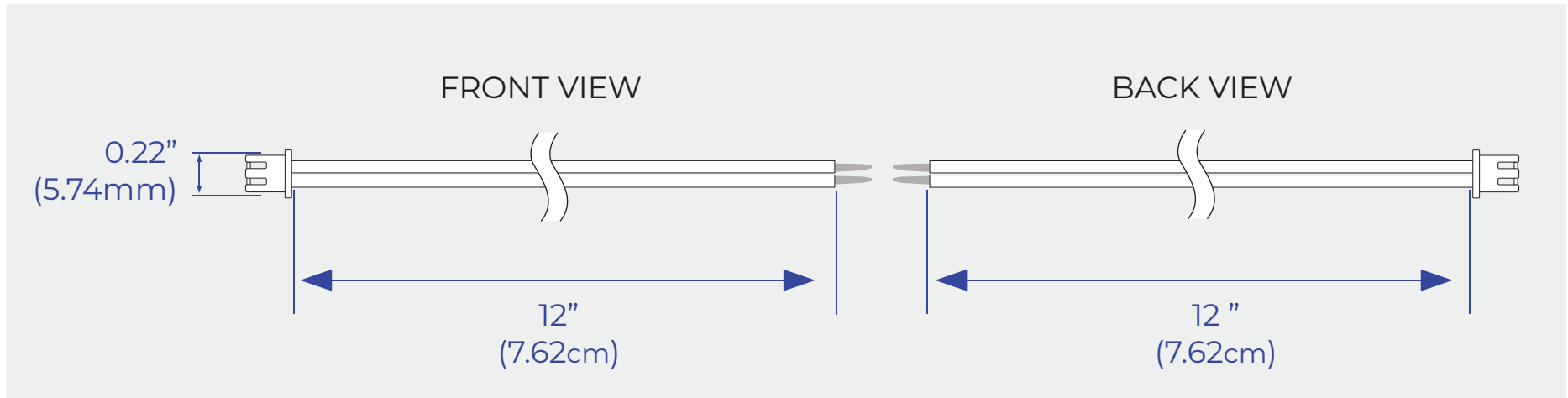
CASPER Single Color Connecting Cable 12" (SKU: 3500-CAS-350-1003)



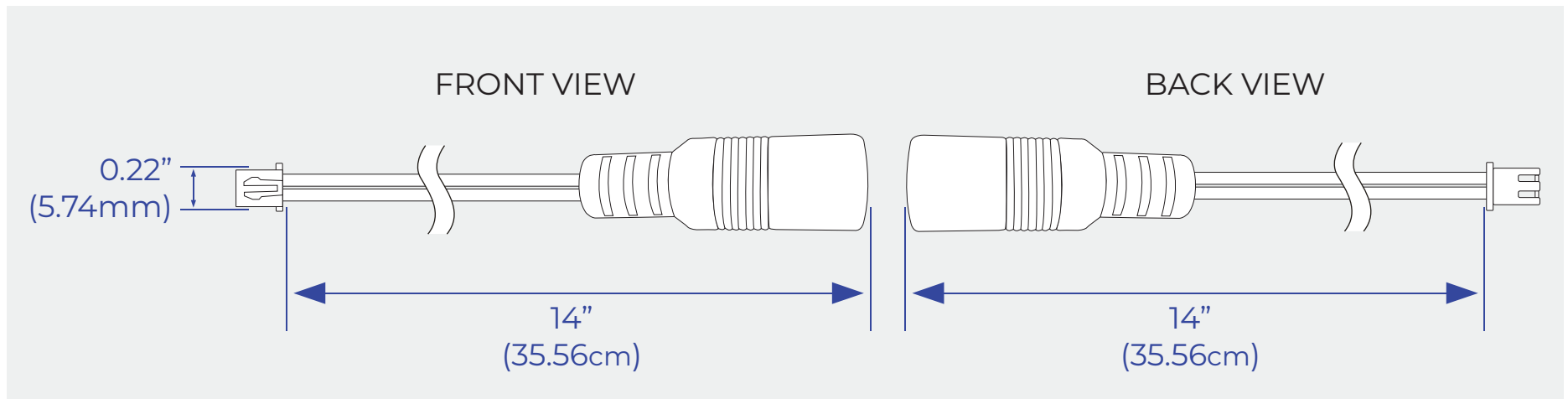
TECHNICAL DRAWINGS (not to scale)

POWER SUPPLY CONNECTION (SOLD SEPARATELY)

CASPER Single Color Connecting Cable 12" (SKU: **3500-CAS-350-1004**)



CASPER Single Color Power Cord 12" (SKU: **3500-CAS-350-1001**)



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

STANDOFF Acrylic Spacers



BASIC SINGLE COLOR WHITE LED SHEET

MODEL	VOLTAGE	COLOR TEMPERATURE	SHEET SIZE
CAS-288-XX-24V-IXI	24 - 24VDC Constant Voltage	5300K	1224 - 12" x 24"

EXAMPLE PART NUMBER

CAS-288	—	24	—	53	—	1224
Model		Voltage		Color Temp		Sheet Size

ACCESSORIES (SOLD SEPARATELY)

ITEM	PART NUMBER	DESCRIPTION
CASPER Single Color Connecting Cable 3" (Required)	3500-CAS-350-1002	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-350-1003	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-350-1001	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"> ·Power Supply Magnetic MLV 100W 24V with any LV magnetic dimmer as long as you cover dimmer's min load. ·Temperature class B(130°C). ·Input leads are 18AWG 600V. ·Output leads are 18AWG 300V. ·Leads max. operational temperature is 105°C. ·Thermal self reset primary breaker 200A. ·Thermal self reset secondary breaker 400A.




LEADING THE WAY ON STYLISH LIGHTNING



THANK YOU

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