



Project Name: _____
Model Number: _____
Type: _____

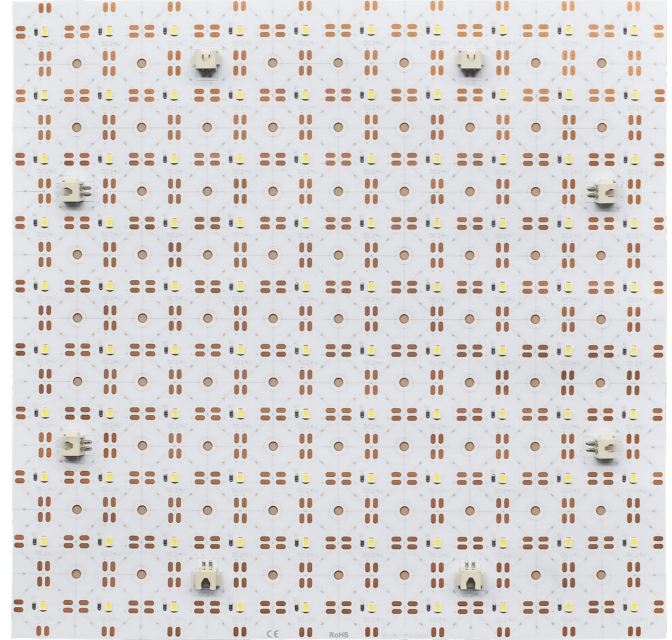
DLDT Series

BACKLIGHTING LED PANELS

DESCRIPTION

Flexible LED light sheets are thin, customizable sheets of LEDs that are perfect for a variety of applications including signage, backlighting, display, and OEM. These customizable sheets can be cut in any direction along the printed cut lines, allowing you to cut them into the shape or length you need. They can also be folded over edges or wrapped around columns and other curved surfaces. The double-sided adhesive tape on the back allows for easy installation with no tools needed. The sheet can also be mounted with screws or nails through the designated areas between each LED. Each sheet comes backed by a 5-year warranty and ships the same-day from our centrally located warehouse.. Color temperatures range from warm (2700K) to near daylight (6000k).

Jumpers and Starters, paired with our Constant Voltage drivers, make this the perfect choice for any backlighting need.



ORDERING MATRIX

DLDT	STYLE	CCT	LUMENS	SIZE	CONNECTOR		
DLDT	BL	5L	10M	20H	12X12 INCH	BW6- Bare Wire 6 inch	
	Voltage: 24vdc	2700K	450	900	1800	CS- CUSTOM SIZE	BW__ - - Bare Wire Custom Length
	Wattage Per Sheet:	3000K	500	1000	2000		BRL- Barrel
	LOW - 5W	4000K	575	1150	2300		NONE
	MEDIUM - 10W	5000K	661	1322	2645		
	HIGH - 20W						





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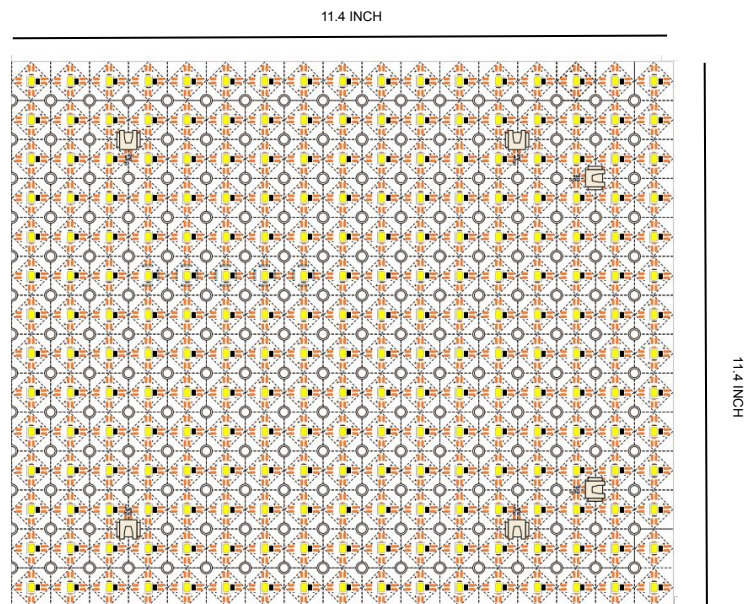
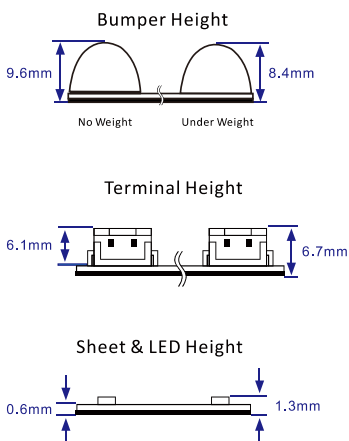
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PERFORMANCE DETAILS

Materials	Plastic
Dimensions	12x12 standard, Custom Sizes Available
Input Voltage	24
Wattage Per Foot	3 Packages Available
Lumens Per Sheet	Up to 2640 Available
LED Chip	2835

CRI	90
Mounting	Surface
Color Temperature	Ranges from 27k to 50k
Dimming capability	Per Driver
Certifications	UL
Beam Angle	136
Lumen per Watt	100
Cut Interval	.7 inch cuttable squares

LINE DRAWINGS





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ACCESSORIES

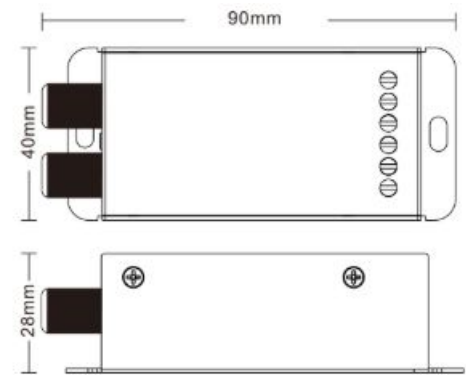
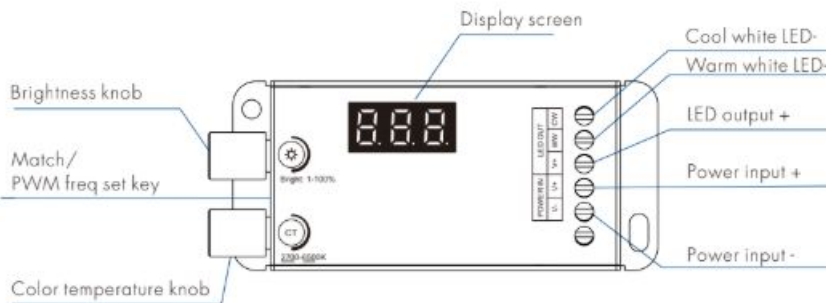
Part Number	Description	Picture
DLDT-BL-JUMP	Sheet to Sheet 3 pin connector, 108mm length	
DLDT-BL-START	Sheet to Controller 3 pin connector, 108mm length	
DLDT-BL-BUMP	Protective Bumper with silicone adhesive backing	

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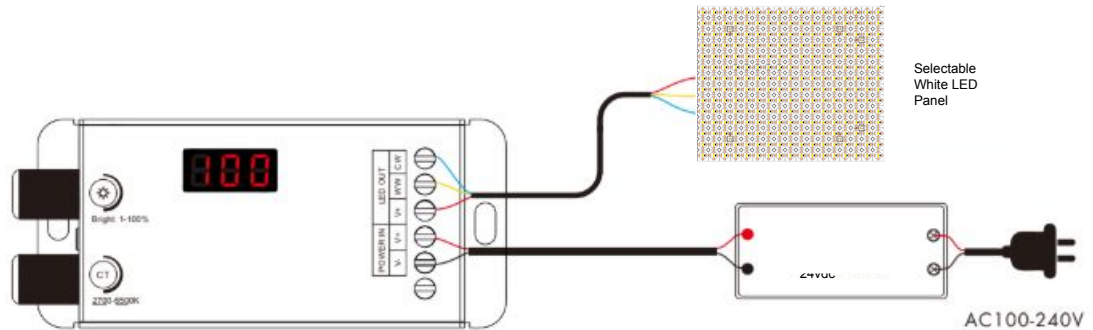
BACKLIGHTING LED PANELS

WIRING

Each Panel (or group of Panels wired in series) will need a controller. Tune to the CCT Desired, and the panel is fixed on that CCT. The controller will need its own 24vdc dedicated driver especially designed by DirectLED



Wiring Diagram

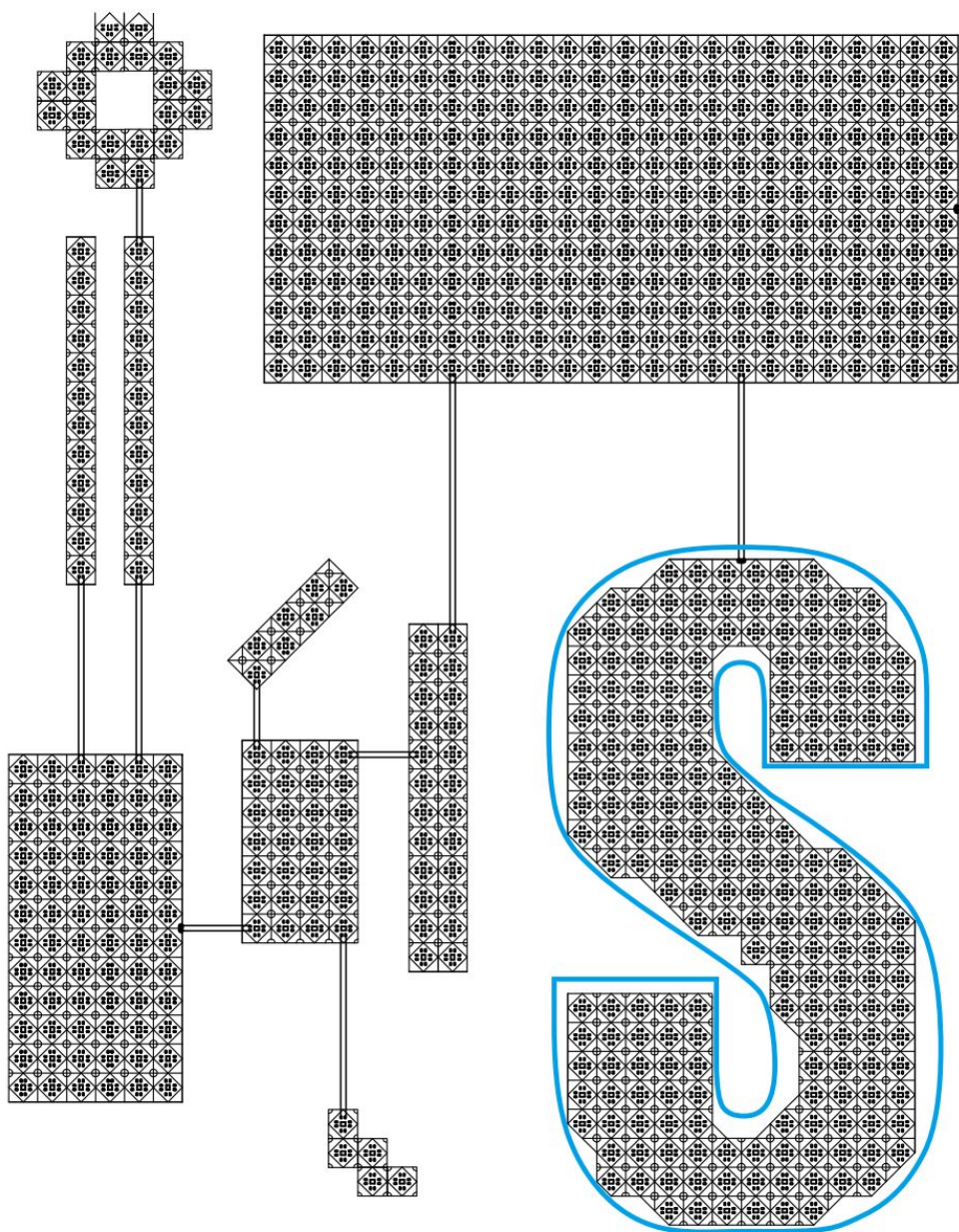


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DESIGNS AND SHAPES

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 be connected to any individual square LED segment anywhere in the run for maximum flexibility

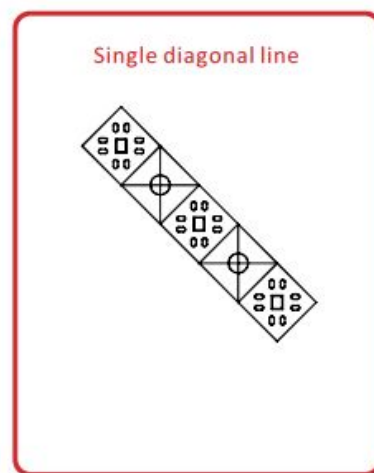
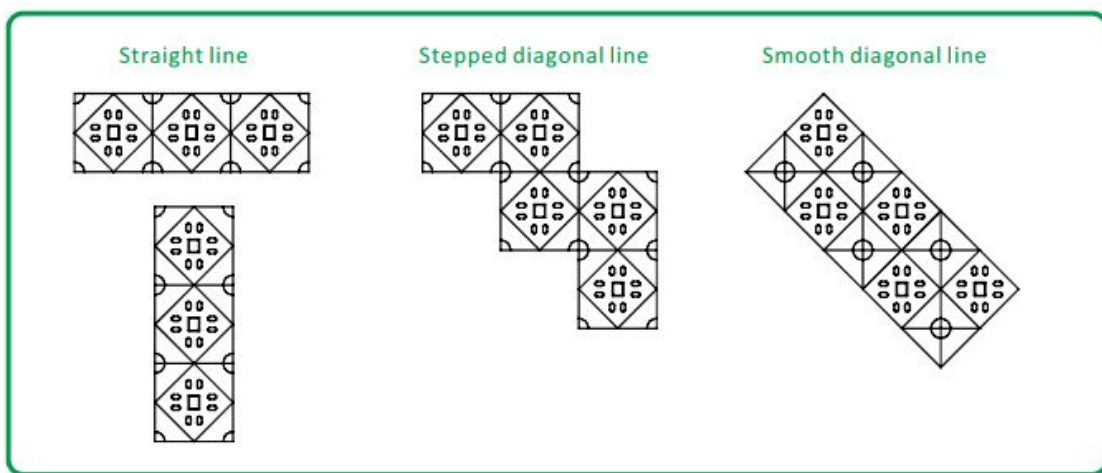


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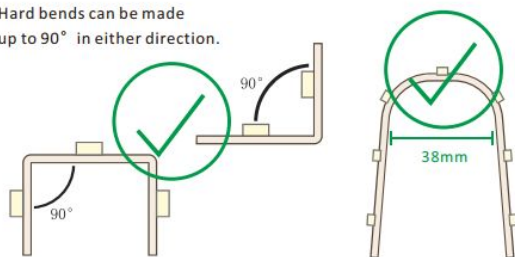
CUTTING THE PRODUCT

LED light sheet can be cut into many custom shapes. When cutting it, it's important to use only 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 represent 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.

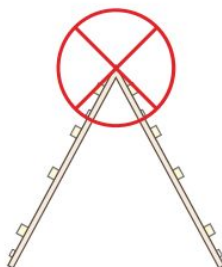


BENDING THE PRODUCT

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



Soft bends less than 1.5 in. may damage circuit traces and void warranty.



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

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

