



Project Name: \_\_\_\_\_  
 Model Number: \_\_\_\_\_  
 Type: \_\_\_\_\_

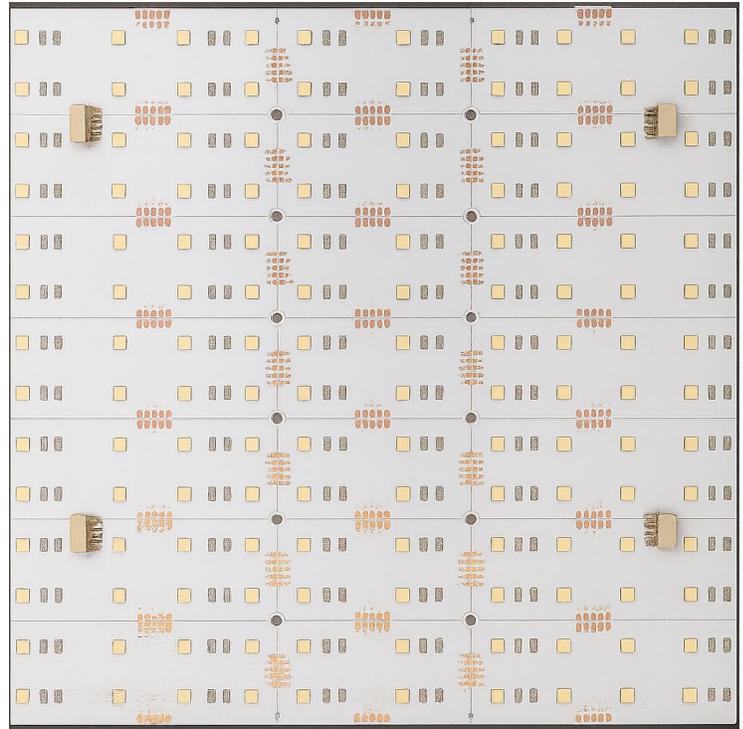
**DLDT Series**

**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.. Tunable RGB via DMX controller and decoder with a fixed White CCT, this panel make this the perfect choice where a color backdrop is required.

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	RGBW(XX)	5L	10M	20H	12X12 INCH	BW6- Bare Wire 6 inch	
	Voltage: 24vdc		550	1100	2200	CS-CUSTOM SIZE	BW__ - - Bare Wire Custom Length	
	Wattage Per Sheet:	RGB					BRL- Barrel	
	LOW - 10W	3000K					NONE	
	MEDIUM - 20W	4000K						
	HIGH - 40W	5000K						



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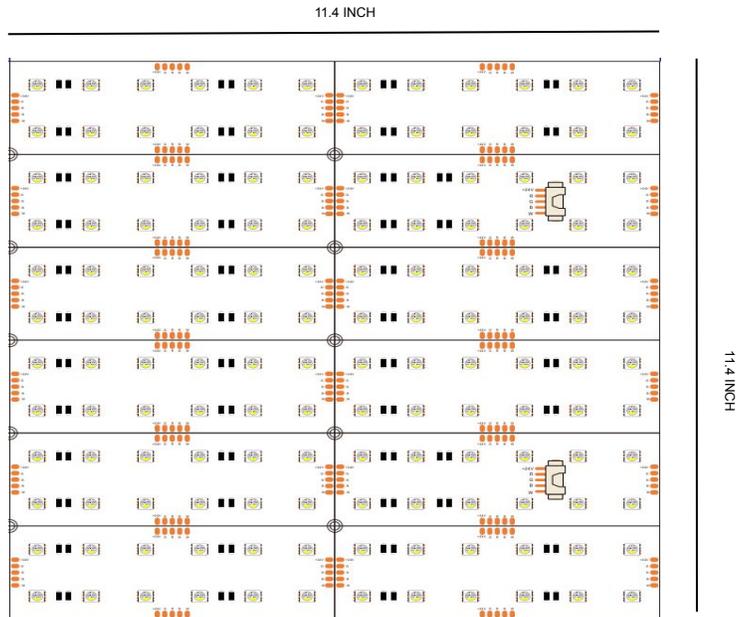
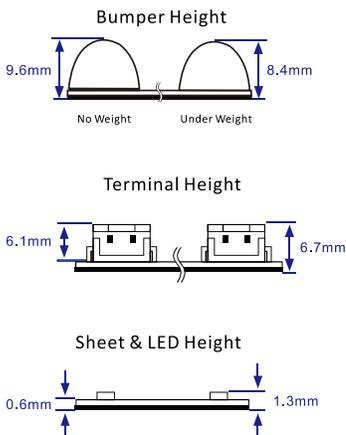
**BACKLIGHTING LED PANELS**

**PERFORMANCE DETAILS**

<b>Materials</b>	Plastic
<b>Dimensions</b>	12x12 standard, Custom Sizes Available
<b>Input Voltage</b>	24
<b>Wattage Per Foot</b>	3 Packages Available
<b>Lumens Per Sheet</b>	Up to 2200 Available
<b>LED Chip</b>	2835

<b>CRI</b>	90
<b>Mounting</b>	Surface
<b>Color Temperature</b>	Ranges from 27k to 50k
<b>Dimming capability</b>	Per Driver
<b>Certifications</b>	UL
<b>Beam Angle</b>	136
<b>Lumen per Watt</b>	55
<b>Cut Interval</b>	.7 inch cuttable squares

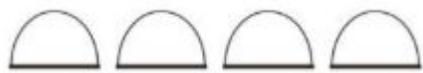
**LINE DRAWINGS**



**DLDT Series**

**BACKLIGHTING LED PANELS**

**ACCESSORIES**

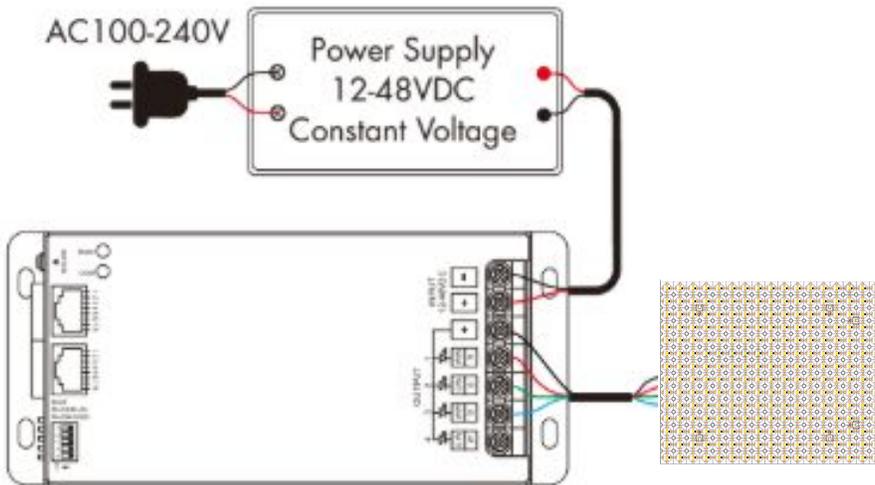
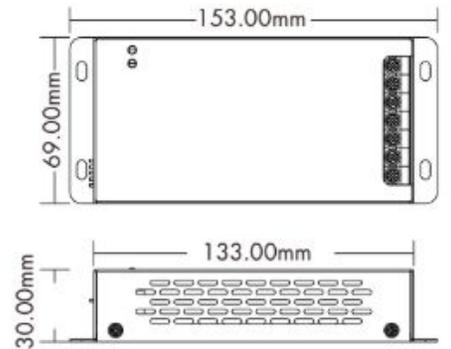
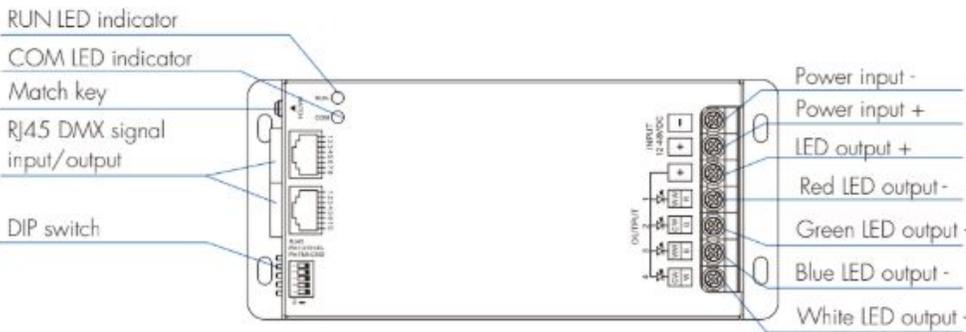
Part Number	Description	Picture
<b>DLDT-BL-RGBW-JUMP</b>	Sheet to Sheet 3 pin connector, 108mm length	
<b>DLDT-BL-RGBW-START</b>	Sheet to Controller 3 pin connector, 108mm length	
<b>DLDT-BL-RGBW-BUMP</b>	Protective Bumper with silicone adhesive backing	

**DLDT Series**

**BACKLIGHTING LED PANELS**

**WIRING**

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



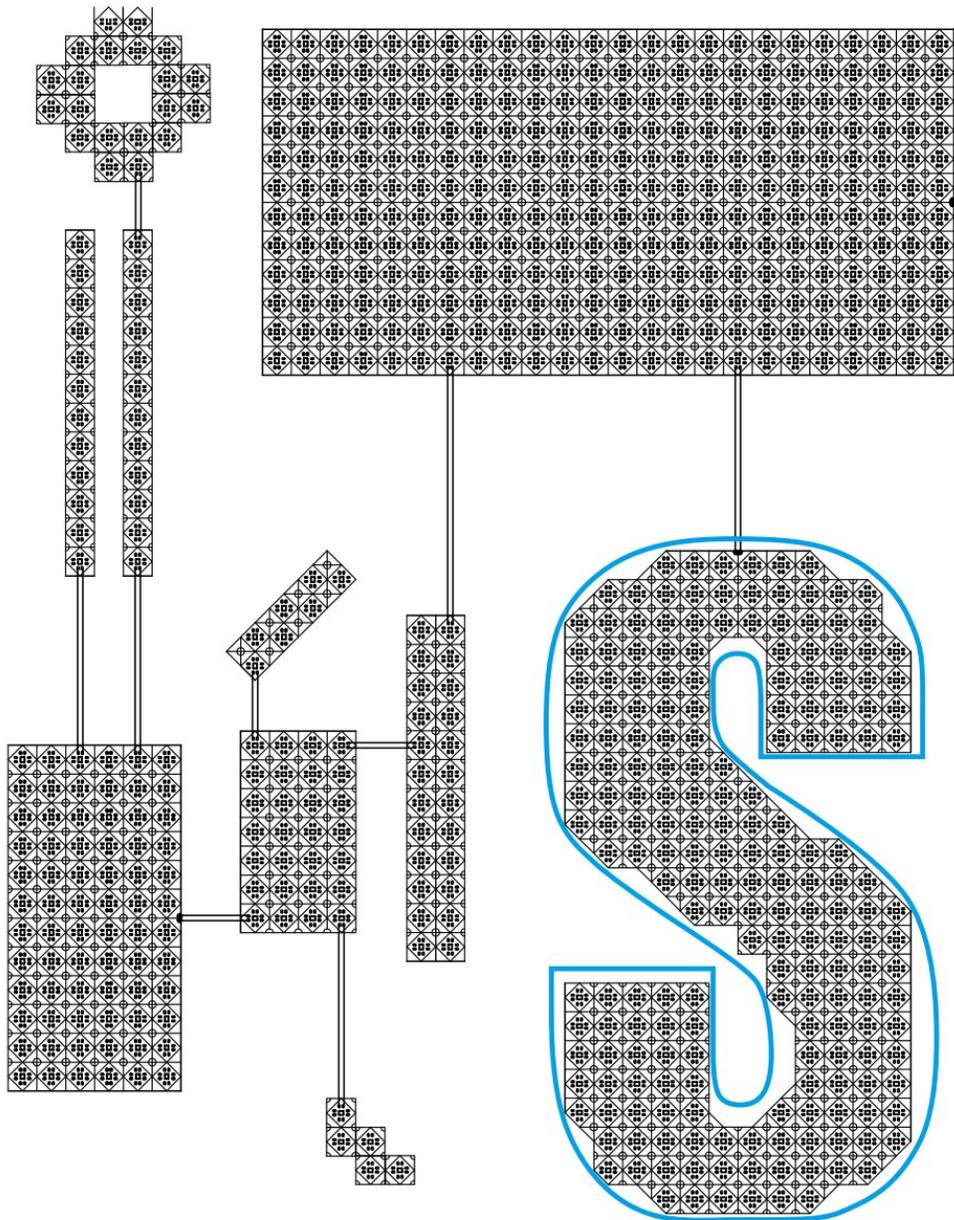
Selectable White LED Panel

## DLDT Series

## BACKLIGHTING LED PANELS

### 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

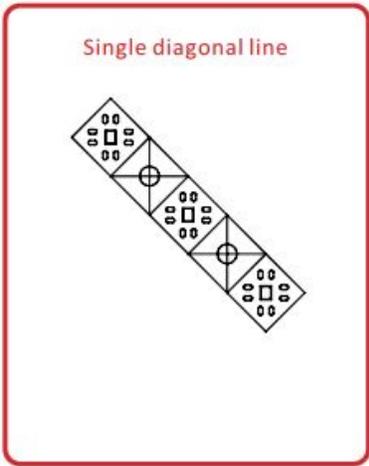
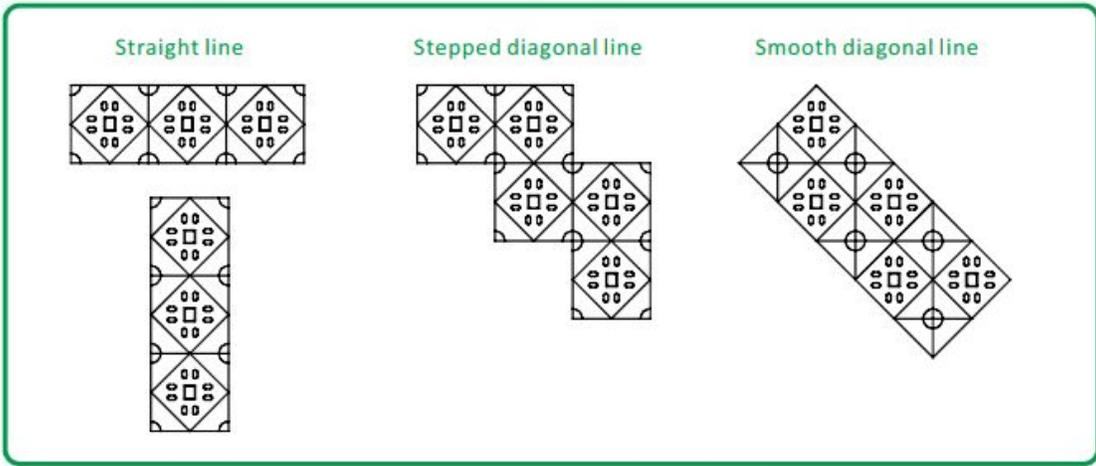


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**BACKLIGHTING LED PANELS**

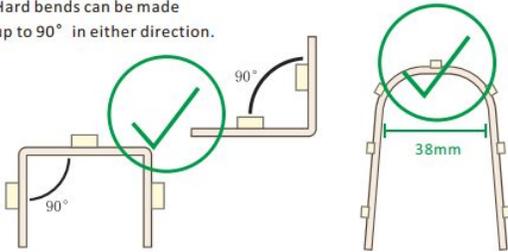
**CUTTING THE PRODUCT**

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.



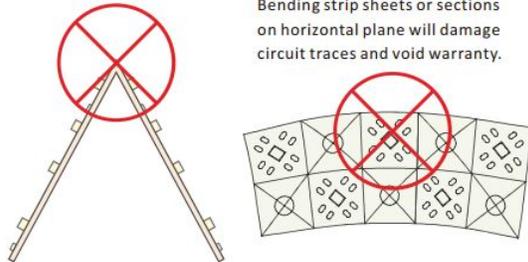
**BENDING THE PRODUCT**

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 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.