

Five-channel RGBW panel combining full-spectrum RGB color with a high-quality fixed white channel, controlled via DMX. White CCT — 3000K, 4000K, or 5000K — is specified at order for consistent white-light performance alongside vibrant color capability. Customizable along 0.7" cut lines with bi-adhesive backing for tool-free mounting.

IN USE



90 CRI	136° BEAM	55 LM / W	24V INPUT DC	5YR WARRANTY
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TECHNICAL SPECS

INPUT VOLTAGE	24VDC
POWER CONSUMPTION	5W (Low) · 10W (Medium) · 20W (High) per 12"×12" sheet
LUMEN OUTPUT	550 – 2,200 lm per sheet (RGB mode · white output varies by CCT)
LED CHIP	SMD 2835 (5-channel: R / G / B / W)
CRI	≥ 90 Ra
COLOR	Full-spectrum RGB via DMX + White 3000K, 4000K, or 5000K (fixed at order)
BEAM ANGLE	136°
EFFICACY	55 lm/W (RGB mode)
STANDARD SIZE	12" × 12" (305 × 305 mm)
CUSTOM SIZES	Available — specify dimensions at order
CUT INTERVAL	0.7" × 0.7" squares (standard scissors)
DIMMABILITY	0–100% per channel via DMX
CONTROL	24VDC driver + DMX controller + DirectLED 5-ch DMX decoder
CERTIFICATIONS	UL Listed
WARRANTY	5 years — ships same-day from New York, NY

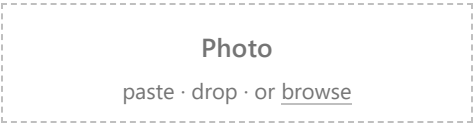
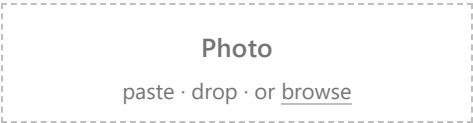
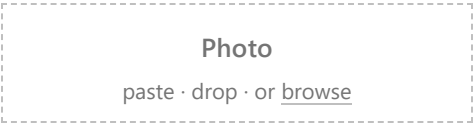
ORDERING MATRIX

Example: **DLDT-BL-RGBW(30K)-5L-12X12**

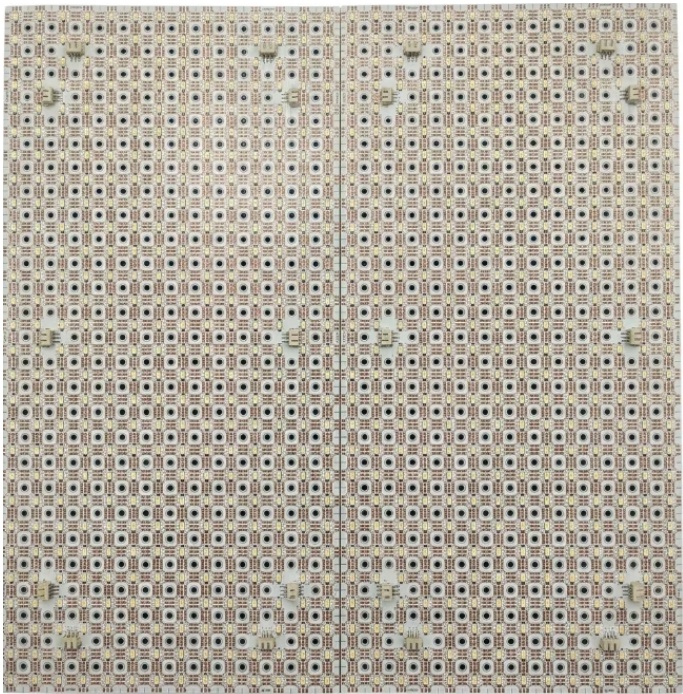
DLDT	STYLE	CCT	LUMENS			SIZE	CONNECTOR
		RGBW(XX)	5L	10M	20H		
DLDT	BL Voltage: 24vdc Wattage Per Sheet: LOW - 5W MEDIUM - 10W HIGH - 20W	RGB	550	1100	2200	12X12 INCH CS-CUSTOM SIZE	BW6 — Bare Wire 6 inch BW__ — Bare Wire Custom Length BRL — Barrel NONE
		3000K					
		4000K					
		5000K					

* White CCT (3000K/4000K/5000K) is fixed at order. Contact DirectLED for white channel photometry. Custom sizes available.

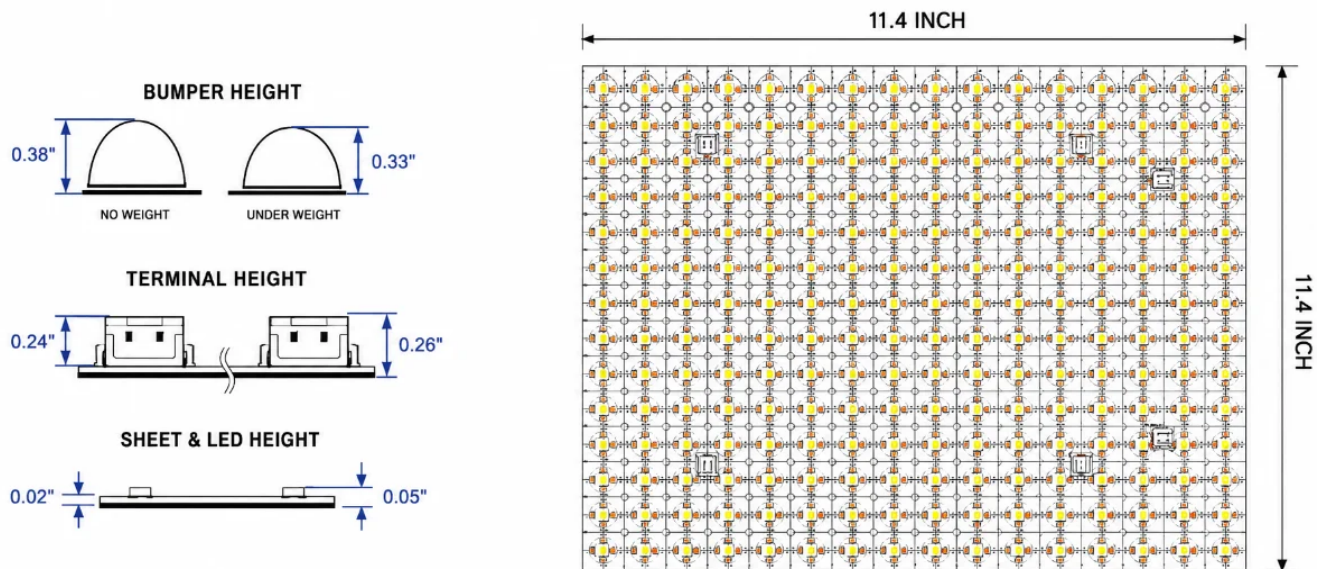
ACCESSORIES

PHOTO	PART NUMBER	DESCRIPTION
 Photo paste · drop · or browse	DLDL-BL-RGBW-JUMP	Sheet-to-sheet 3-pin connector, 108mm length
 Photo paste · drop · or browse	DLDL-BL-RGBW-START	Sheet-to-controller 3-pin connector, 108mm length
 Photo paste · drop · or browse	DLDL-BL-RGBW-BUMP	Protective corner bumper, silicone adhesive backing

PRODUCT PHOTO

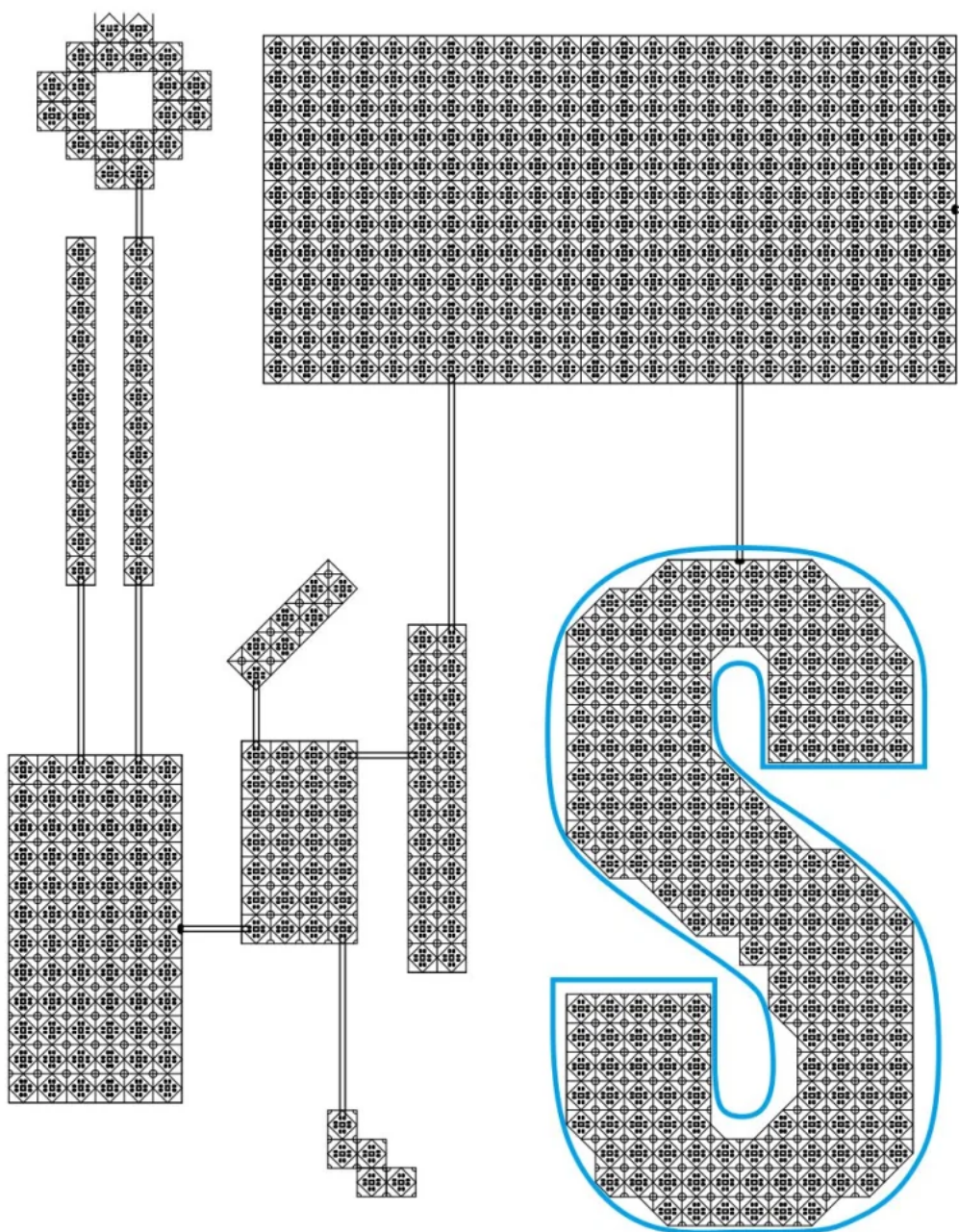


LINE DRAWING



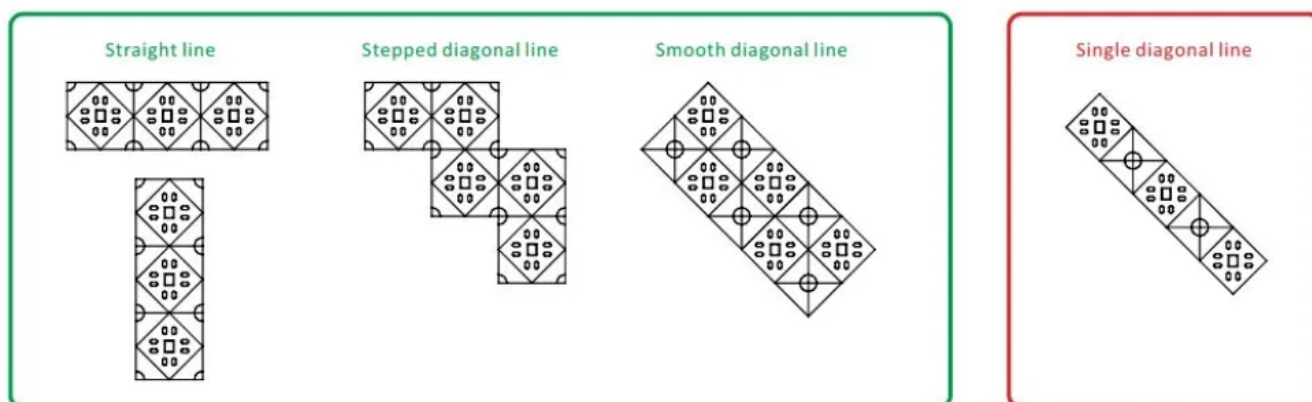
DESIGNS & SHAPES

Panels link to form nearly any shape or pattern. Maximum run length is extended by connecting additional power supplies to any individual LED segment anywhere in the run.



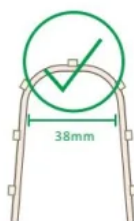
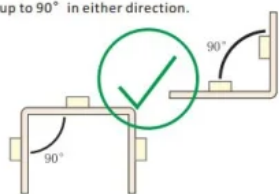
CUTTING & BENDING

Cut only along pre-marked 0.7" grid lines to preserve electrical connections. Hard bends up to 90° are permitted. Soft bends under 1.5" radius or horizontal-plane twisting will void the warranty.

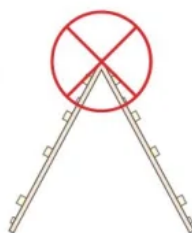


BENDING THE PRODUCT

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

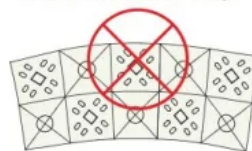


Soft bends less than 1.5 in. may damage circuit traces and void warranty.



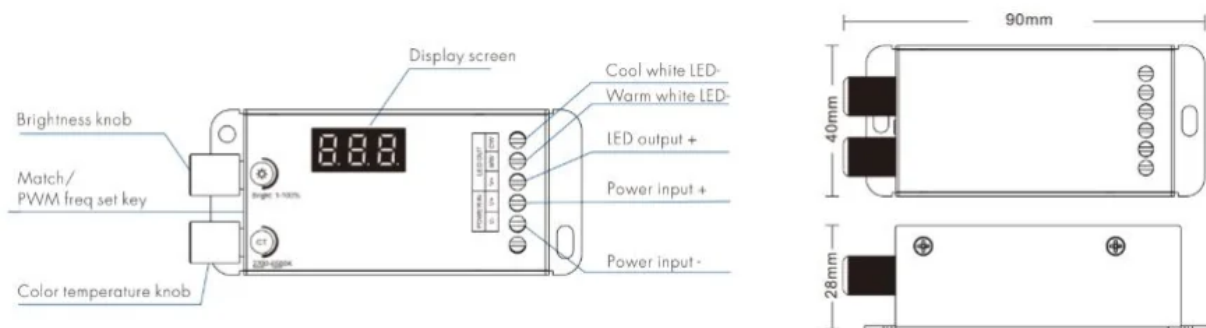
Bending strips sheets or sections at sharp angles will damage circuit traces and void warranty.

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



WIRING DIAGRAM

Each panel requires a dedicated 24VDC driver, a DMX controller, and a DirectLED 5-channel DMX decoder for independent R/G/B/W channel control.



Wiring Diagram

