

A flexible LED light sheet for professional backlighting in signage, display cabinets, and architectural cove lighting. Color temperature — 2700K, 3000K, 4000K, or 5000K — is selected at installation and remains fixed. Customizable along 0.7" cut lines with bi-adhesive backing for tool-free mounting.

IN USE



90

CRI

136°

BEAM

100

LM / W

24V

INPUT DC

5YR

WARRANTY

TECHNICAL SPECS

INPUT VOLTAGE	24VDC
POWER CONSUMPTION	5W (Low) · 10W (Medium) · 20W (High) per 12"×12" sheet
LUMEN OUTPUT	450 – 2,645 lm per sheet (varies by CCT and wattage)
LED CHIP	SMD 2835
CRI	≥ 90 Ra
COLOR TEMPERATURE	2700K · 3000K · 4000K · 5000K — fixed at installation
BEAM ANGLE	136°
EFFICACY	100 lm/W
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% via constant voltage 24VDC driver
CONTROL	Constant voltage 24VDC driver + DirectLED controller
CERTIFICATIONS	UL Listed
WARRANTY	5 years — ships same-day from New York, NY

ORDERING MATRIX

Example: **DLDT-BL-2700K-5L-12X12**

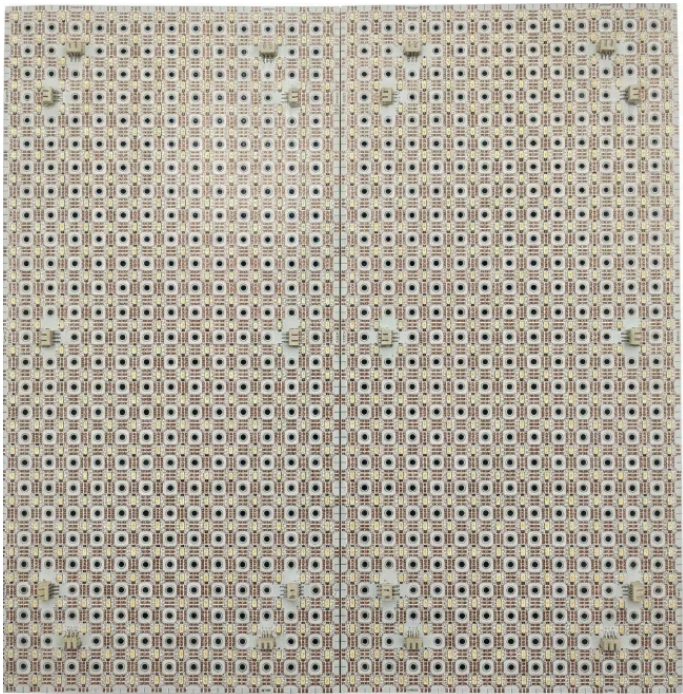
DLDT	STYLE	CCT	LUMENS			SIZE	CONNECTOR
			5L	10M	20H		
DLDT	BL Voltage: 24vdc Wattage Per Sheet: LOW - 5W MEDIUM - 10W HIGH - 20W	2700K	450	900	1800	12X12 INCH	BW6 — Bare Wire 6 inch
		3000K	500	1000	2000	CS- CUSTOM SIZE	BW__ — Bare Wire Custom Length
		4000K	575	1150	2300		BRL — Barrel
		5000K	661	1322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

* Custom sizes available — provide width × height in inches at time of order.

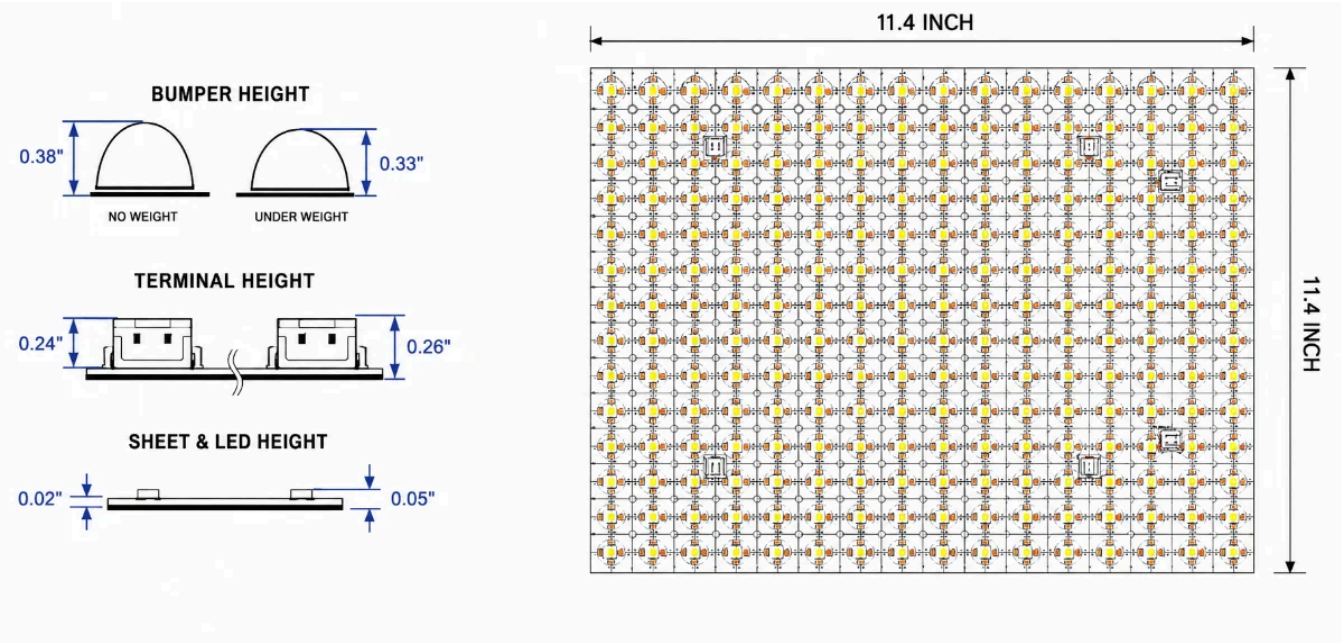
ACCESSORIES

PHOTO	PART NUMBER	DESCRIPTION
	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 corner bumper, silicone adhesive backing

PRODUCT PHOTO

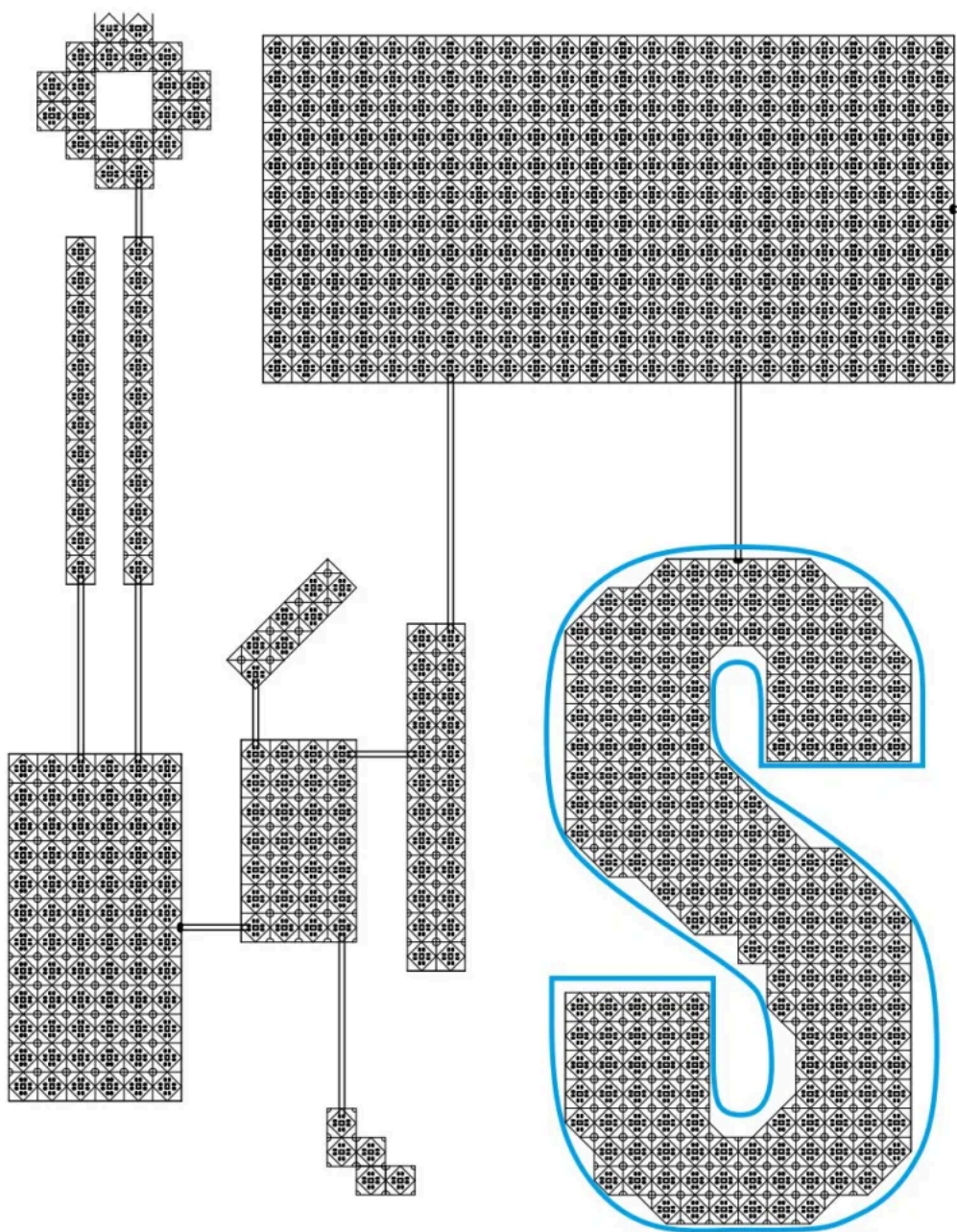


LINE DRAWING



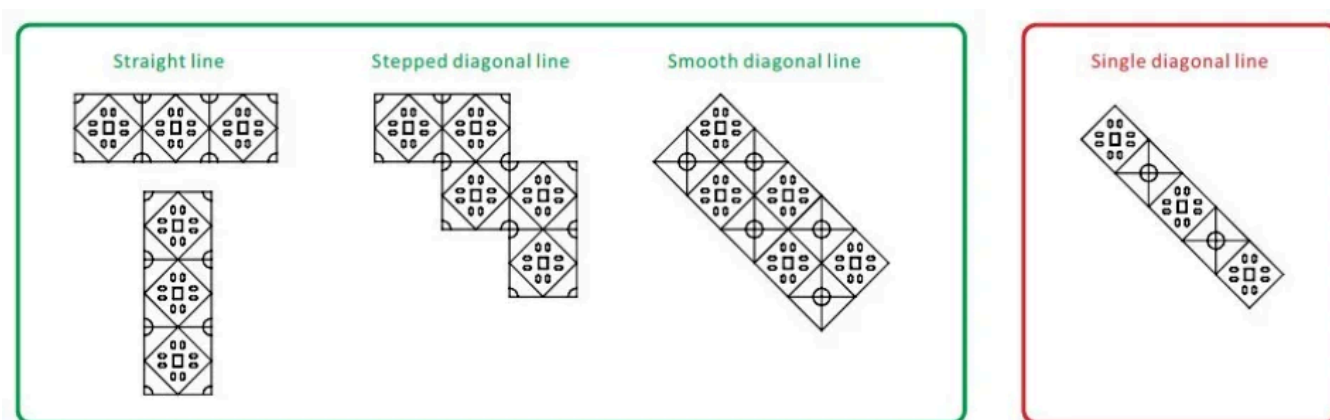
DESIGNS & SHAPES

Panels can be linked 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.



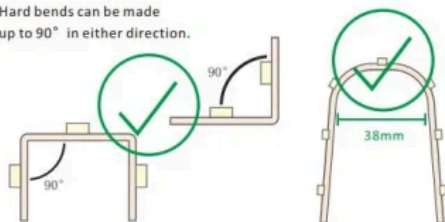
CUTTING & BENDING

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.

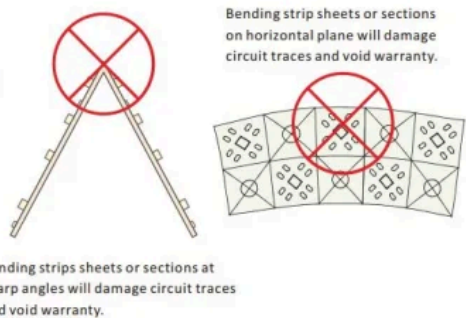


BENDING THE PRODUCT

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

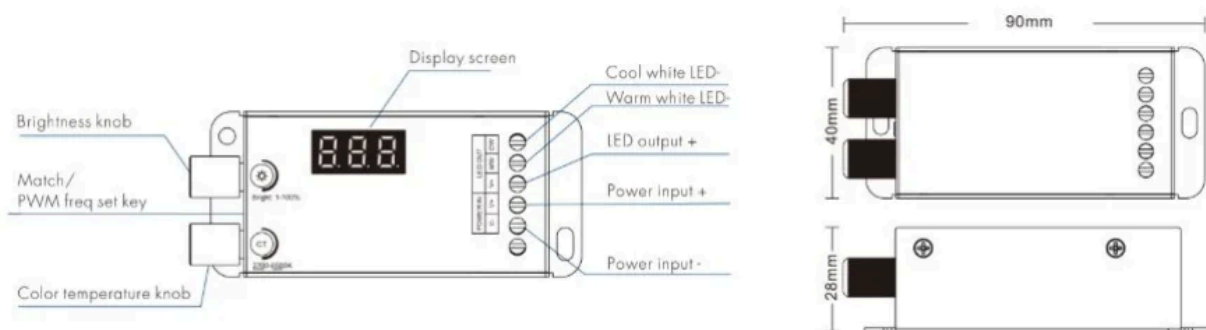


Soft bends less than 1.5 in. may damage circuit traces and void warranty.



WIRING DIAGRAM

Each panel or series group requires a dedicated 24VDC constant-voltage driver and a DirectLED controller. Set the desired CCT at installation. No DMX required.



Wiring Diagram

