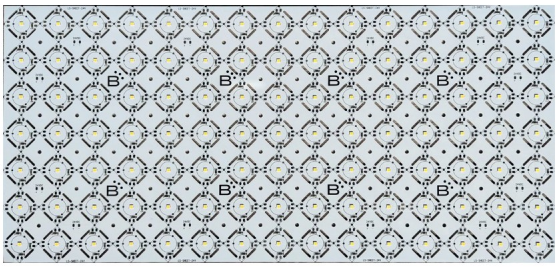
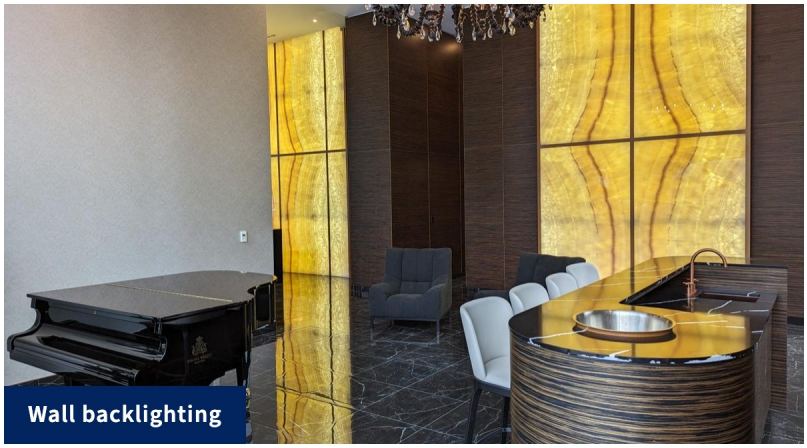
CUSTOMER	PROJECT	DATE
TYPE	QTY	PO #

LS-SHEET-24V

Rigid, cuttable LED light sheet · 24 VDC · CRI 90





Specifications

ELECTRICAL	
Input voltage	24 VDC
Power	50 W · 36 W
Control	0-10 V · DALI · DMX512
PHOTOMETRY	
Luminous flux	6,141 lm · 4,421 lm
LED type	SMD
Color temperature	2700 K · 3000 K · 3500 K · 4000 K · 5000 K
CRI	90
Beam angle	120°
MECHANICAL & ENVIRONMENT	
Dimensions (L × W)	500 × 235 mm (19.69 × 9.25 in)
Ingress protection	IP20 · IP65
Operating temperature	−40 °C to +50 °C
DURABILITY & COMPLIANCE	
Lifespan	50,000 hours
Certification	UL E533012
Warranty	5 years

Description

Rigid LED light sheet that is easily cut into complex shapes thanks to its bidirectional cutting lines. Ready to install in minutes, it delivers over 50,000 hours of service life to light objects of any size.

Key features

- Cuts with tin snips
- Bidirectional cutting lines
- High color rendering · CRI 90
- Indoor IP20 or waterproof IP65
- 0-10 V, DALI or DMX512 dimming

Applications

Signage · Backlighting · Trade shows · Displays · Education

CUSTOMER	PROJECT	DATE
TYPE	QTY	PO #

Ordering code

LS-SHEET-24V-___-90-___-___

LS-SHEET-24V – [FLUX] – [CRI: 90] – [CCT] – [PROTECTION]

FLUX
- **6141LM** · 50 W
- **4421LM** · 36 W

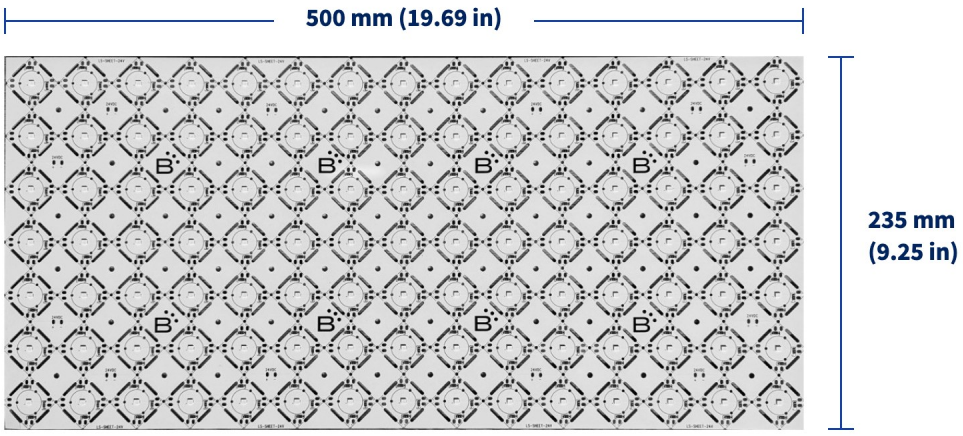
CRI
- **90**

CCT
- **2700K** · **3000K**
- **3500K** · **4000K**
- **5000K**

PROTECTION
- **IP20** · indoor
- **IP65** · waterproof

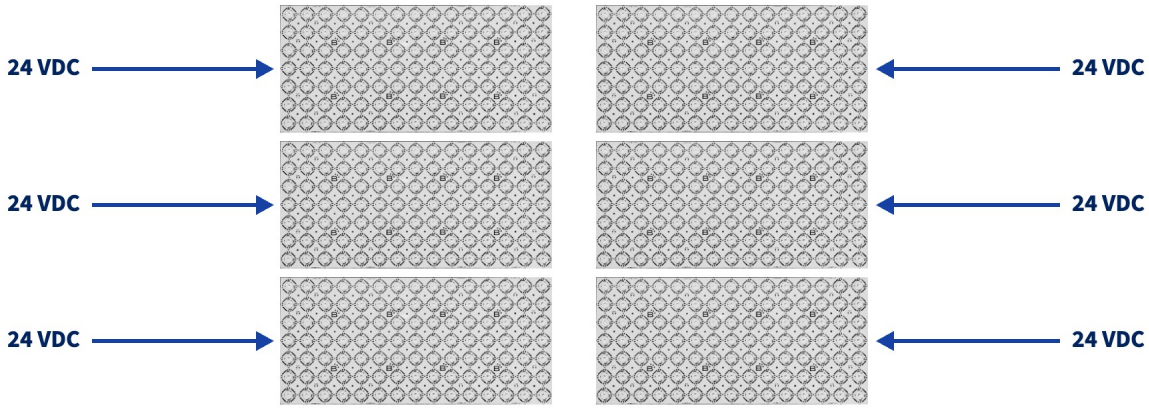
Other color temperatures available on request.

Dimensions



Wiring diagram

One dedicated 24 VDC supply line per sheet · projection distance 1:1



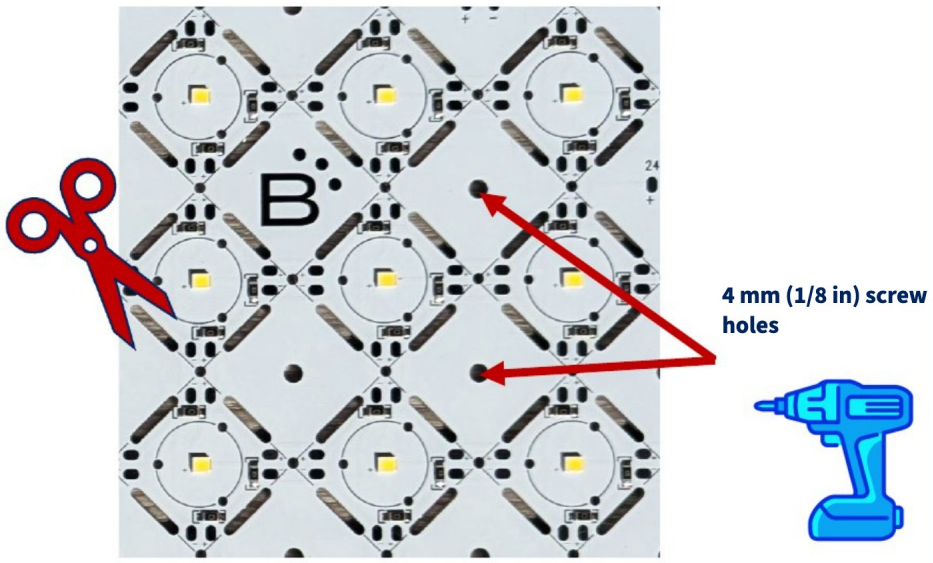
Note — See wiring instructions on page 3.

CUSTOMER	PROJECT	DATE
TYPE	QTY	PO #

Wiring instructions

1. Identify each sheet to be powered.
2. Provide a **dedicated supply line** for each sheet.
3. Connect each line individually to **24 VDC**.
4. Check **polarity** (positive / negative) at every connection.
5. Measure the voltage supplied to each sheet before commissioning.

Cutting and mounting



CUTTING

Use **tin snips**. Cut **only along the cutting lines**.

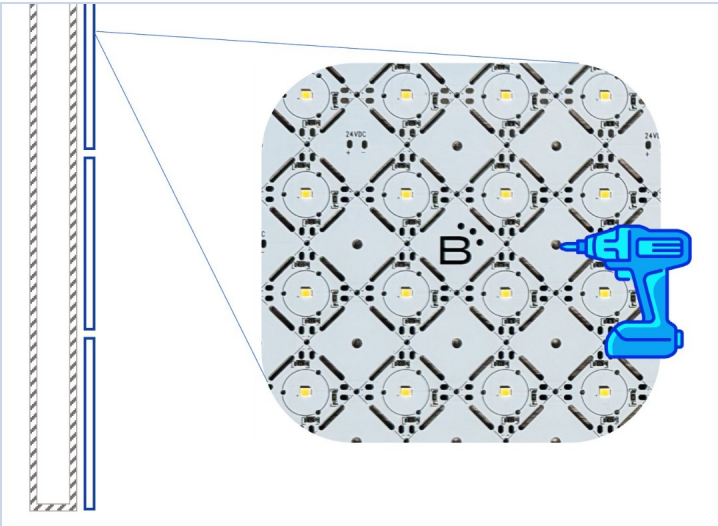
MOUNTING

Secure the sheet through the **4 mm (1/8 in) screw holes** provided on the board.

Note — Installation methods are shown on page 4.

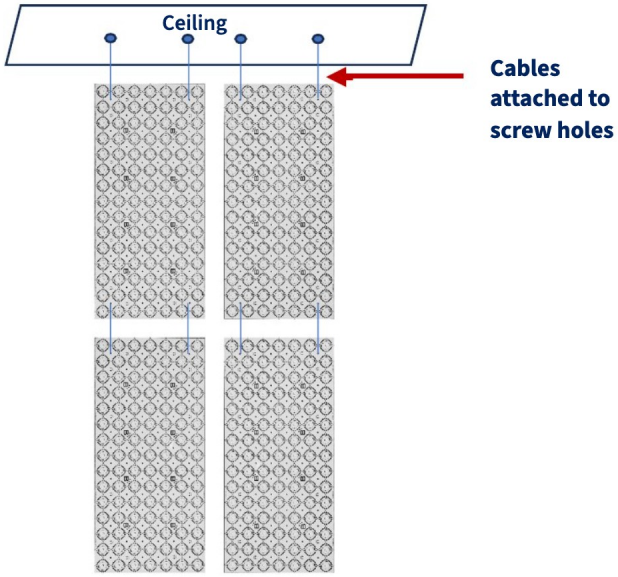
CUSTOMER	PROJECT	DATE
TYPE	QTY	PO #

Surface mounting

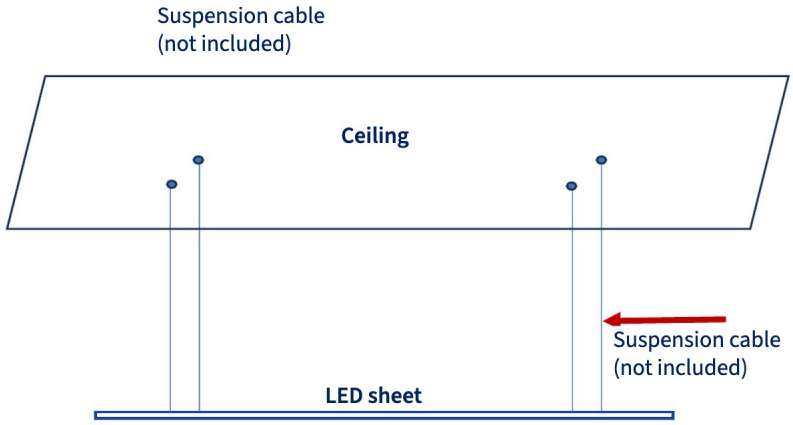


Screwed directly to the wall through the 4 mm (1/8 in) holes.

Vertical suspension



Horizontal suspension



Note — Suspension cables are not included. Attach them to the sheet's 4 mm (1/8 in) screw holes.

CUSTOMER	PROJECT	DATE
TYPE	QTY	PO #

Power supplies

24 VDC output · TRIAC, 0-10 V, 1-10 V, PWM or potentiometer dimming · cULus listed



- 5-in-1 dimming: TRIAC, 0-10 V, 1-10 V, PWM, potentiometer
- 24 VDC output, compatible with LS-SHEET-24V
- cULus listed

c UL us LISTED

MODEL	POWER	CLASS	DIMENSIONS (L × W × H)
LS-PSU-24V-96W-5in1	96 W	Class 2	254 × 132 × 42.5 mm 10 × 5.2 × 1.67 in
LS-PSU-24V-150W-5in1	150 W	Class P	254 × 132 × 42.5 mm 10 × 5.2 × 1.67 in
LS-PSU-24V-200W-5in1	200 W	Class P	254 × 132 × 42.5 mm 10 × 5.2 × 1.67 in
LS-PSU-24V-300W-5in1	300 W	Class P	289 × 132 × 49 mm 10 × 5.2 × 1.67 in

Note — Choose a power supply rated for the total load of the connected sheets (50 W or 36 W per sheet).