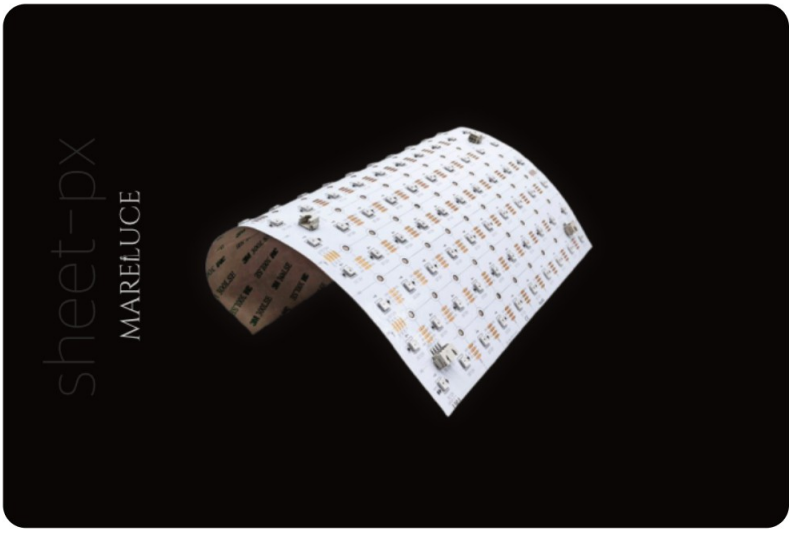
FLEXIBLE LED SHEET · ADDRESSABLE RGBW · SPI

SHEET-PX

503.5 × 235 mm flexible addressable RGBW LED sheet, 800 LEDs, 50 pixels · 92 W · 24 V DC



SIZE 503.5 × 235 mm	POWER 92 W
VOLTAGE 24 V DC	LEDS 800 × SMD2835
CUT UNIT 1 pixel (50 per sheet)	THICKNESS 1.3 mm

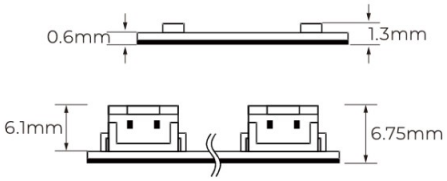
Overview

SHEET-PX is a thin, flexible addressable LED sheet with 800 SMD2835 RGBW LEDs grouped into 50 individually controlled pixels on a 503.5 × 235 mm board. Driven by UCS2904 ICs from any SPI pixel controller, it plays colour chases, gradients and animated scenes across backlit panels, ceilings and feature walls on board. The sheet bends to curved surfaces and connects with plug-and-play connectors.

Specifications

Size	**503.5 × 235 mm**
Thickness	**0.6 mm PCB, 1.3 mm with LEDs**
Connector height	**6.1 mm (6.75 mm with plug)**
LED	**800 × SMD2835**
Cut unit	**1 pixel (50 per sheet)**
Power	**92 W per sheet**
Voltage	**24 V DC, constant voltage**
Colour	**RGB + white, addressable**
Colour rendering	**CRI 90 (white channel)**
Beam angle	**120°**
Control	**SPI, UCS2904**
Mounting	**Ø3 mm mounting holes (Ø7 mm pad)**
Ambient temperature	**−25 °C to +45 °C**
Storage temperature	**−25 °C to +60 °C**

Profile & Connector



ORDERING INFORMATION

Product Code

SHEET-PX	RGBW	92 W	24 V
MODEL	COLOUR	POWER	VOLTAGE
	Addressable, 50 px	Per sheet	24 V DC

Example: **SHEET-PX**, RGBW SPI, 24 V DC. Requires an SPI pixel controller supporting UCS2904.

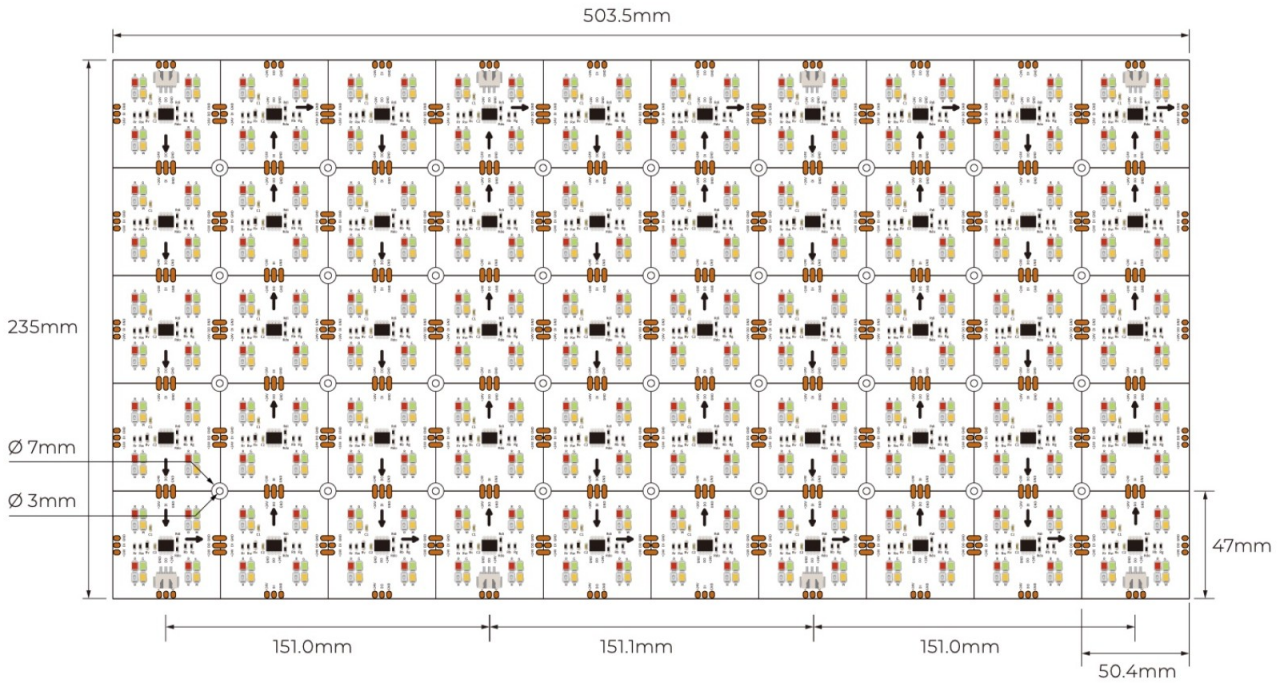
Photometric Data

POWER	CHANNEL	LM / SHEET	LM/W
92 W	RGBW (all on)	5060	55

Measured at 24 V DC, all channels on. Typical values, tolerance ±10%.

DIMENSIONS & INSTALLATION

Dimensions (unit: mm)



All dimensions in mm. Mounting holes Ø3 mm in Ø7 mm pads; connector positions as shown.

Control

VERSION	CONTROLLER
SPI RGBW	SPI pixel controller, UCS2904, 24 V DC

Use a constant-voltage 24 V DC power supply sized for the total load; feed larger installations from several points.

Installation

Mounting	Screws through the Ø3 mm holes or on a flat, clean backing
Bending	Flexible to curved and sloped surfaces; do not crease
Cutting	Only along the segment lines; never through LEDs or ICs

For even backlighting keep enough distance between the sheet and the diffuser; keep connections dry.

Cutting & Connection

VERSION	CUT UNIT	CONNECTION
SPI RGBW	1 pixel	Plug-and-play connector, data in / out

Light output and power may vary by up to ±10% due to production and component tolerances.