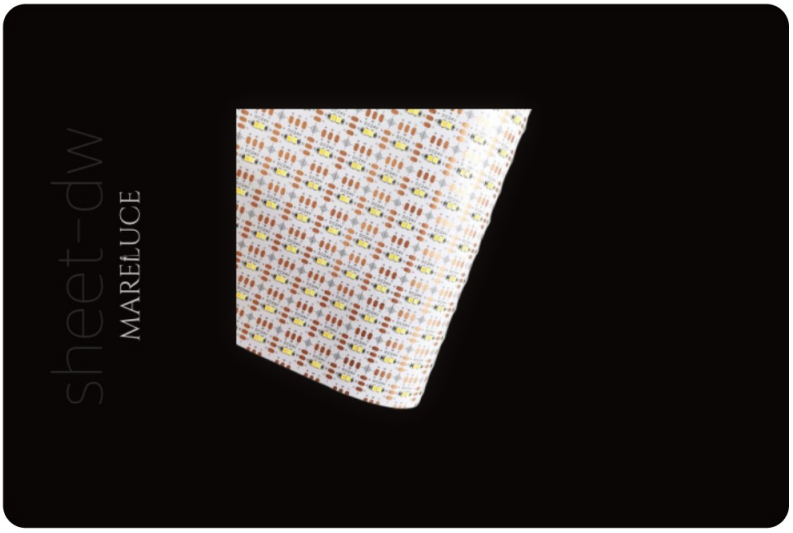
FLEXIBLE LED SHEET · TUNABLE WHITE · SMD2835

SHEET-DW

503.5 × 235 mm flexible, cuttable tunable-white LED sheet, 840 LEDs · 22 / 44 / 66 W · 24 V DC



SIZE 503.5 × 235 mm	POWER 22–66 W
VOLTAGE 24 V DC	LEDS 840 × SMD2835
CUT UNIT 2 LEDs	THICKNESS 1.3 mm

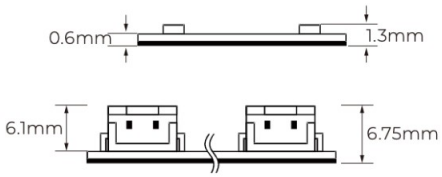
Overview

SHEET-DW is a thin, flexible tunable-white LED sheet with 840 SMD2835 LEDs in separate warm 2700K and cool 6500K channels on a 503.5 × 235 mm board. Mixing the two channels sets any colour temperature in between, for backlit panels, ceilings and display niches that change from warm evening light to crisp daylight. The sheet bends to curved surfaces and can be cut to shape at 2-LED segments. Three power levels, CRI 90, PWM dimmable.

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	**840 × SMD2835**
Cut unit	**2 LEDs**
Power	**22, 44 or 66 W per sheet**
Voltage	**24 V DC, constant voltage**
Colour	**2700K to 6500K, tunable**
Colour rendering	**CRI 90**
Beam angle	**120°**
Control	**PWM, 2 channels**
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-DW	2700–6500K	44 W	24 V
MODEL	COLOUR TEMPERATURE	POWER	VOLTAGE
	Tunable white	22 · 44 · 66 W	24 V DC

Specify power when ordering. Example: **SHEET-DW**, 44 W, 24 V DC. Requires a two-channel (tunable white) controller.

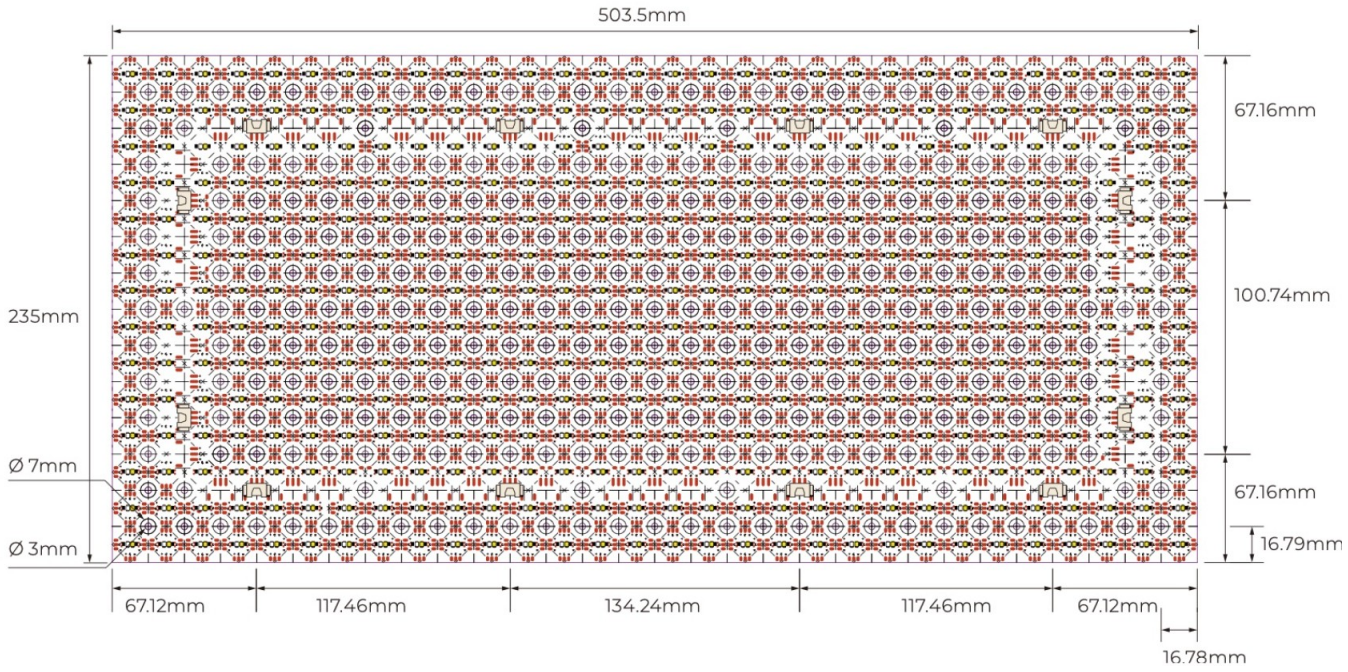
Photometric Data

POWER	CHANNEL	LM / SHEET	LM/W
22 W	2700K only	1012	92
	6500K only	1078	98
	2700K + 6500K	2090	95
44 W	2700K only	2024	92
	6500K only	2156	98
	2700K + 6500K	4180	95
66 W	2700K only	3036	92
	6500K only	3234	98
	2700K + 6500K	6270	95

Measured at 24 V DC, CRI 90. The warm and cool channels are mixed in proportion: if warm white is 25 % on, cool white should be 75 % 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
Tunable white	2-channel CCT controller, 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
Tunable white	2 LEDs	Plug-and-play connector

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