

LED Backlight Sheet

Even, dot-free backlighting — 24V · 18 W per sheet



MARBLE BACKLIGHT LED SHEET · 480 × 240 MM · 24V · 18 W · 3000K

Modular LED backlight sheet · JST plug-and-play · 3M adhesive · Cuttable · IP20

- Designed for backlighting marble, onyx & translucent stone.
- Even, wide-spread illumination — warm white 3000 K, 120° beam.
- Cuttable along marked section lines to suit your project.
- Plug-and-play JST connectors — no soldering required.
- 3M self-adhesive backing for direct mounting.
- Flexible board — chainable sheet-to-sheet.



INPUT
VOLTAGE



PER
SHEET



WARM
WHITE



BEAM
ANGLE



INDOOR
USE



PLUG &
PLAY



ADHESIVE
BACKING

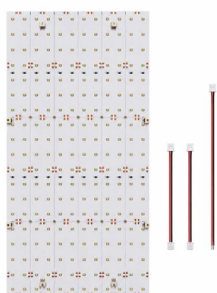


1-YEAR
WARRANTY

TECHNICAL DETAILS

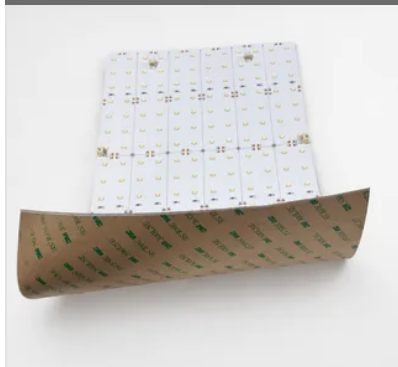
Type	Modular LED backlight sheet
Panel Size	480 × 240 mm
Footprint (with cables)	~500 × 250 mm
Input Voltage	DC 24 V
Power	18 W per sheet
Colour Temp.	3000 K (Warm White)
Beam Angle	120°
Connection	JST plug-and-play (no soldering)
Cuttable	Along marked section lines
Backing	3M self-adhesive
Distance from Stone	~50 mm recommended
Dimming	24 V PWM dimmer or controller
IP Rating	IP20 (indoor / dry use)
Operating Temp.	-20 °C to +50 °C
Lifespan	> 50,000 hours
Warranty	1 Year

WHAT'S IN THE BOX



1 × sheet · 2 × JST jumpers · 1 × JST-to-bare-wire tail

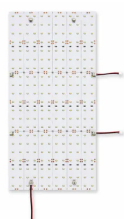
3M ADHESIVE BACKING



INSTALLATION & LAYOUT

- Keep sheets close together.** Each sheet occupies roughly 500 × 250 mm once cables are plugged in — lay them out to minimise dark gaps so light spreads evenly.
- Mount ~50 mm behind the stone.** This spacing diffuses the light and prevents hotspots showing through the marble or onyx.
- Plan power injection.** A single feed cannot power unlimited sheets — feed power every 4–5 sheets (≈ 72–90 W per feed) to maintain even brightness and avoid voltage drop.

HOW IT CONNECTS & CUTTING



Each sheet has **JST sockets around its edges**. Use the supplied JST-to-JST jumper cables to chain sheets together, and the JST-to-bare-wire tail to connect into your 24 V supply — no soldering required.

Cutting & sizing: the sheet can be cut along the marked section lines between LED modules to suit your project size. Each section remains independently powered through the printed circuit tracks, so cut pieces continue to work when connected back to the supply.