

04 Introduction

The product uses a flexible printed circuit board with two layers of copper foil and is easy to install. Its 24 V operating voltage ensures safe and reliable operation. High-brightness LEDs with large chips are resistant to sulphidation and offer a long service life. A colour rendering index of CRI ≥ 95 ensures highly natural colour reproduction.

Applications include backlighting translucent marble and decorative stone, interior lighting in homes, hotels and retail spaces, and lighting for display cases, shelving, decorative structures and other interior and supplementary lighting elements.

*Image for illustration only.

05 Warranty Terms

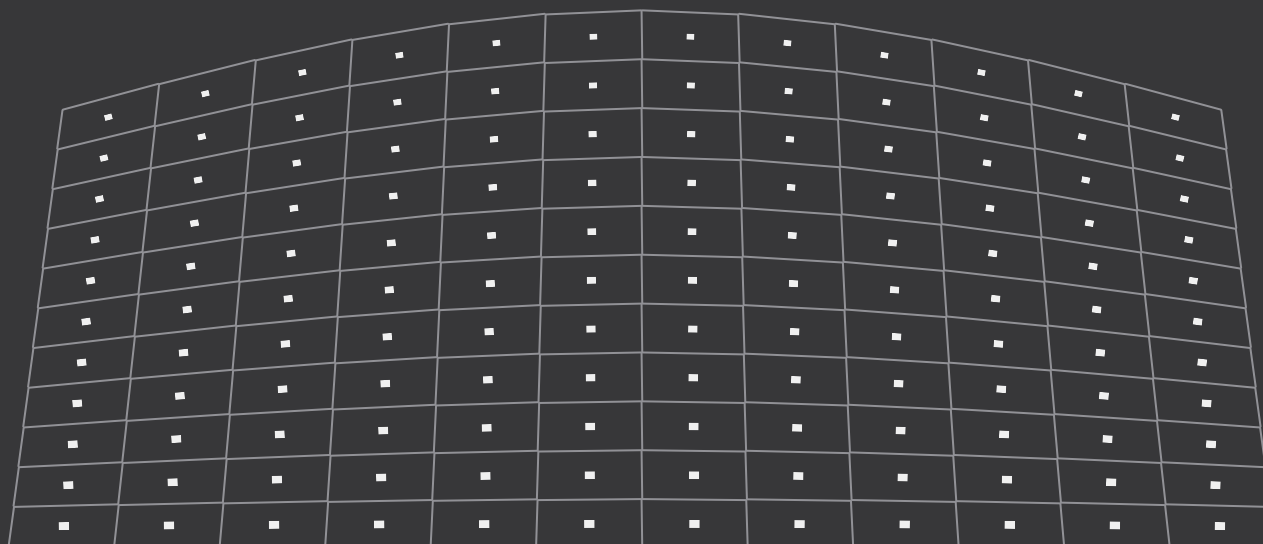
The LED panel is covered by a 1-year warranty from the date of purchase.

The warranty does not cover damage caused by force majeure or by the user's actions.

LED LIGHT SHEET

Flexible LED panel

PRODUCT MANUAL



01 Specifications

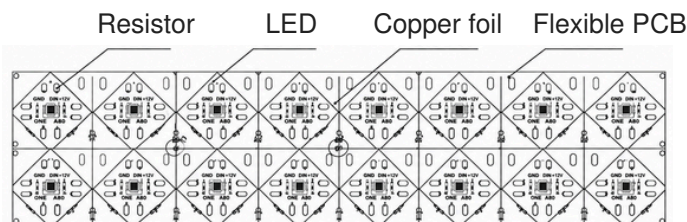
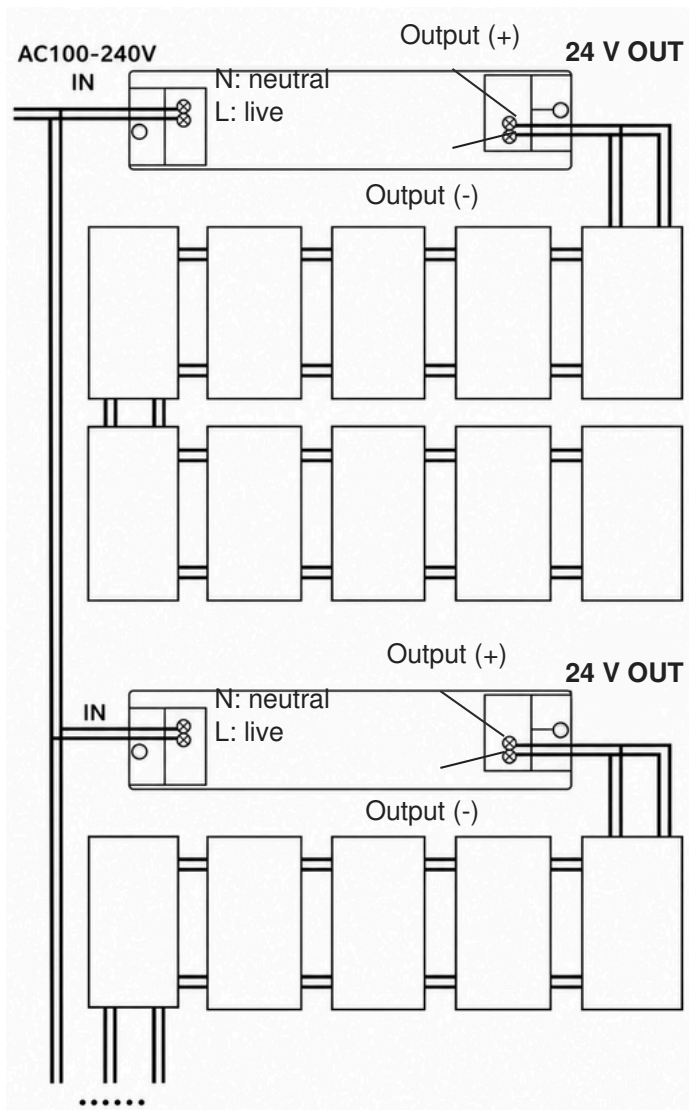


*Diagram for reference only.

Type	Single-colour / tunable white / RGBW
Dimensions	240 × 480 mm / 245 × 500 mm
Input voltage	DC 24 V
Frequency	Flicker-free
Light source	2835 LED / 5050 LED
Power	24 W / 48 W / P (±0.5)
Power factor	1
Initial luminous flux	≥2400 lm/P
Luminous efficacy	≥100 lm/W
Colour temperature / range	Single-colour: 2700 K / 3000 K / 3500 K / 4000 K / 6000 K; Tunable white: 2700 K–6000 K; RGBW
Colour rendering index	≥90 / ≥95
Colour tolerance	≤3

02 Wiring Diagram

Daisy-chain connection to the power supply
(Connection wires are included; connectors plug directly into each other.)
Recommendation: connect no more than 10 panels in one group, taking the actual power consumption into account.



03 Safety Precautions

- Each section of the flexible LED panel is a separate module. Cut only along the marked cutting lines; otherwise, the panel may be damaged.
- After cutting, check that the copper contact pads are free of burrs, which may cause a short circuit.
- The product is not waterproof. When used outdoors, it must be reliably protected against water.
- Only connect panels with the same specifications and operating voltage.
- Use no more than 10 panels in each daisy-chained group so that the total current does not exceed the permitted load.
- After connecting each group, carry out a test power-on to detect wiring errors or incorrect LED orientation immediately.
- Do not power on panels stacked on top of one another: this may cause overheating and damage. Take precautions against static electricity before switching on.
- Acidic and alkaline substances cause LED corrosion. Avoid contact with these substances during installation and use.
- Do not coat the panel with aggressive materials such as acidic or alkaline sealants, solvents, paint or similar substances.