

PRODUCT SPECIFICATION

SMD 5050 RGB LED LIGHT SHEET

JS-DC24V-5050-RGB-288D-ZY1220

English specification sheet | Revision date: 19 August 2025

Product family	SMD 5050 RGB LED light sheet
Model	JS-DC24V-5050-RGB-288D-ZY1220
Input	24 VDC
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Review / approval	Not specified in source document

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1 Product Overview

The JS-DC24V-5050-RGB-288D-ZY1220 is a flexible SMD 5050 LED light sheet designed for colour-changing decorative and indirect lighting. Typical applications include building outlines, steps, hotels, KTV interiors, concealed lighting, advertising backlighting, outdoor signs, furniture, wine and shoe cabinets, ceilings, display cabinets, jewellery counters, billboards and urban beautification projects.



LED sheet, unlit



LED sheet, illuminated

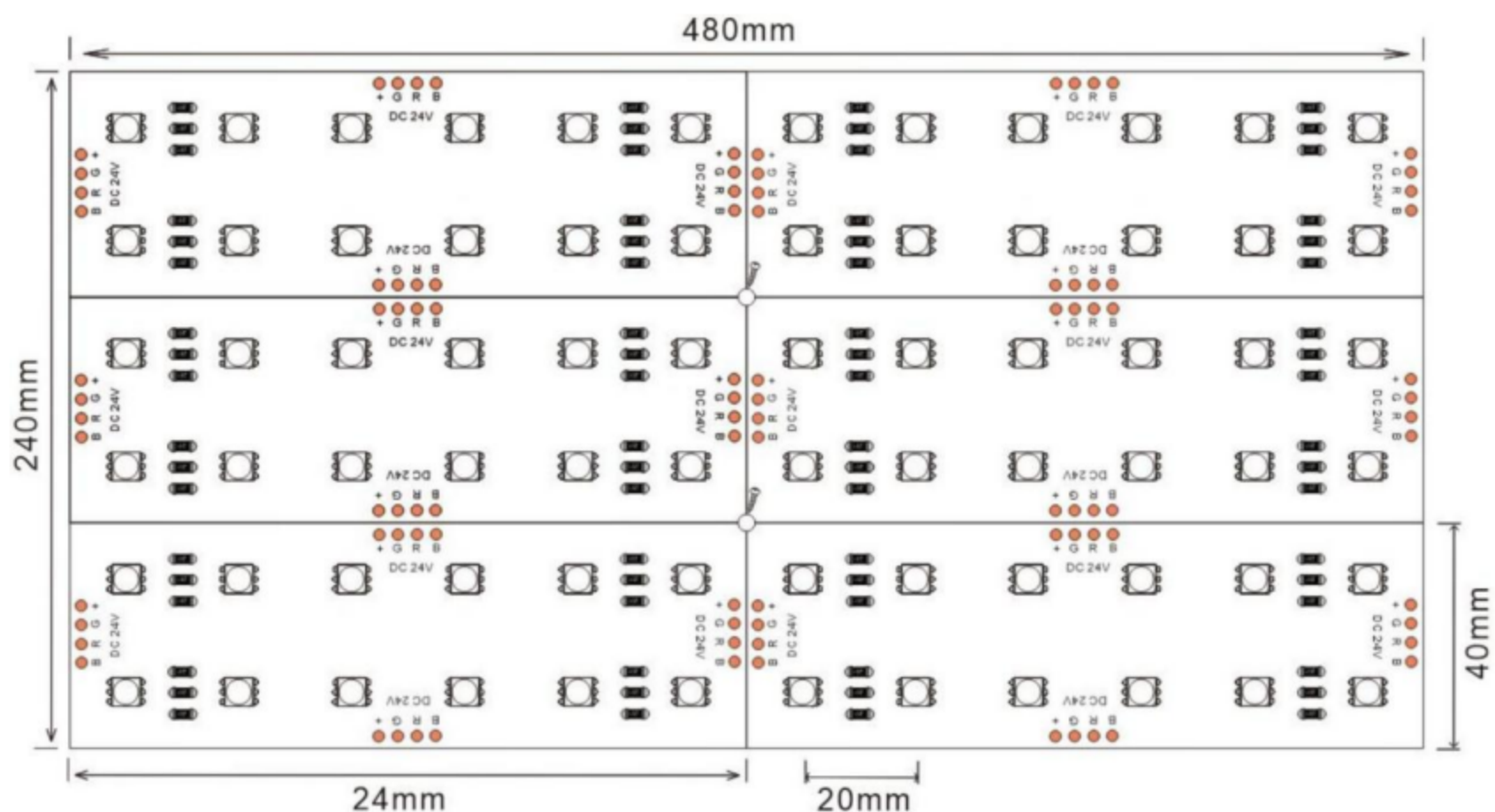
Key Features

- SMD 5050 LEDs provide low lumen depreciation, pure light output and reduced ghosting.
- Lead- and mercury-free design for reduced environmental impact.
- Multiple colour outputs support varied decorative and ambient-lighting requirements.
- Surface treatment provides a clean appearance; the sheet is easy to install, remove and adapt to a wide range of decorative applications.

Marks Shown in Source Document

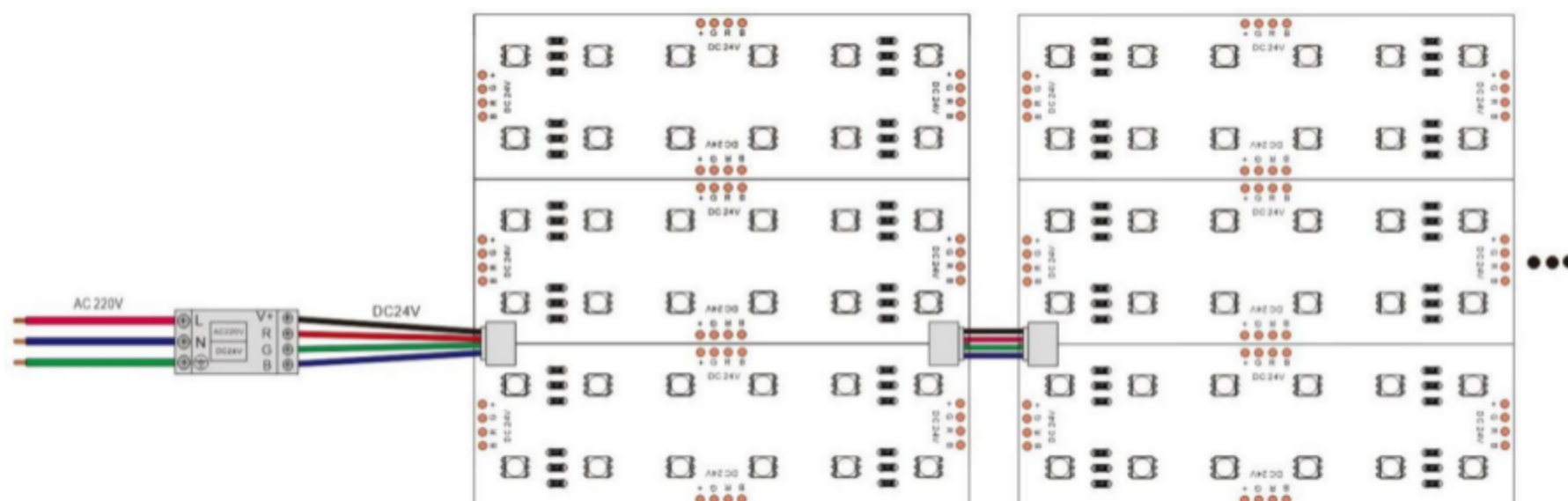
							
CE	FCC	RoHS	Dimmable	2-year warranty	Indoor use	ESD sensitive	WEEE

2.1 Product Drawing



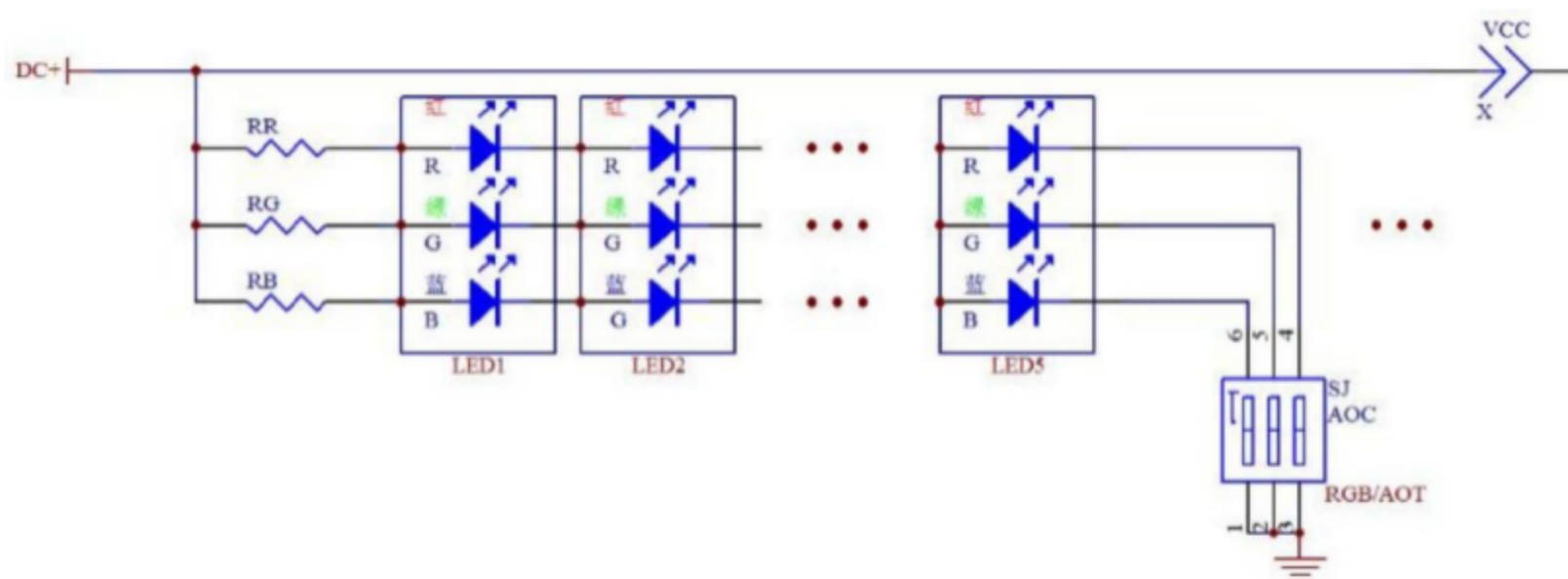
2 Technical Specifications

2.2 Wiring Diagram



24 VDC RGB power connection and panel-to-panel wiring

2.3 Circuit Diagram



RGB circuit principle diagram shown in the supplied source

2.4 Technical Parameters

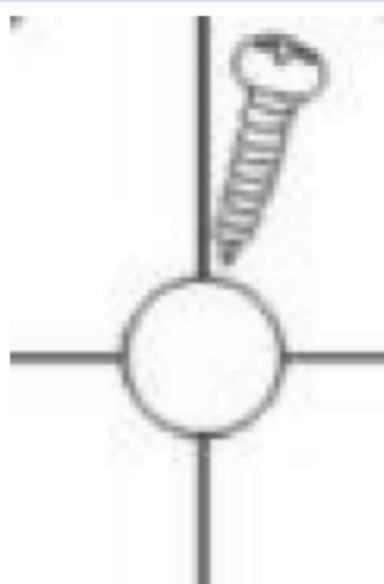
Model	JS-DC24V-5050-RGB-288D-ZY1220	LED quantity	288 pcs
Spectral / CCT outputs	625–635 nm (Red) 515–525 nm (Green) 460–470 nm (Blue)	CRI	
Input voltage	24 VDC	Current	0.75 A
Power	18 W	Luminous flux	961.8 lm
Panel size	480 × 240 mm	Source revision	19 August 2025

* Values are reproduced from the supplied source. The model designation contains “288D”, while the technical table lists “400PCS”. The source table also labels LED quantity, current, power and luminous flux as per metre. Confirm these values in the latest approved datasheet before system sizing, quotation or shipment.

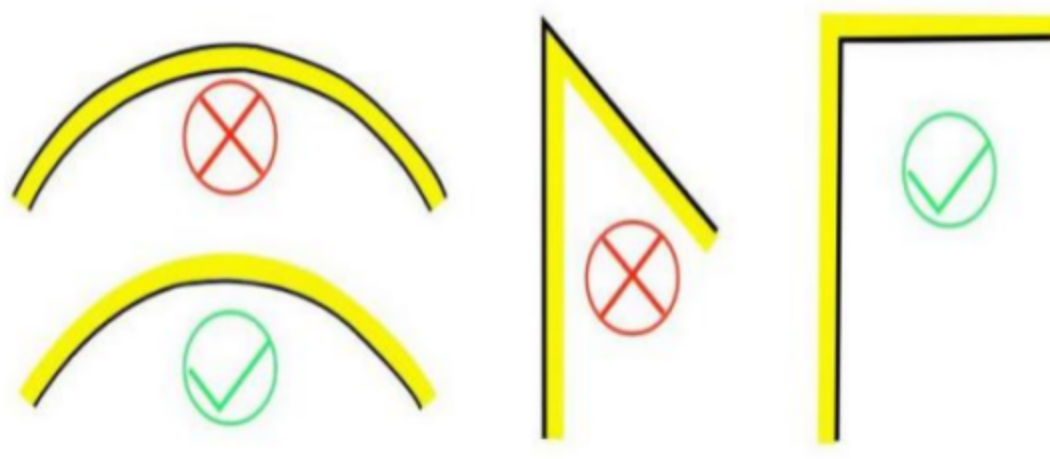
3 Installation, Packaging, Transport & Warranty

3.1 Installation Method

- For indoor indirect lighting, position the sheet at the required location and secure it with screws through the designated mounting points.
- The product uses 24 VDC. Select a suitable switch-mode power supply based on the product load and connection length. For a centralised supply, connect all panel input leads in parallel; extend the wiring with appropriately sized cable where required.
- The maximum recommended continuous connection is 10 panels. For longer runs, add a second power supply or use additional parallel power injection.



Mounting point / fixing detail

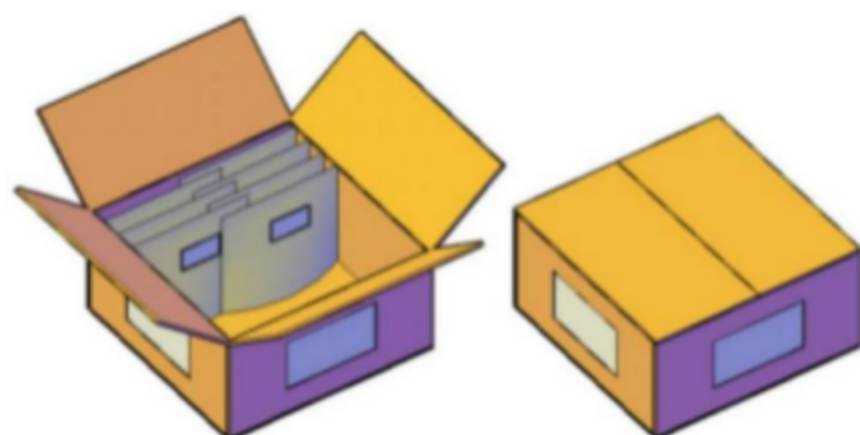


Permitted and prohibited bending examples

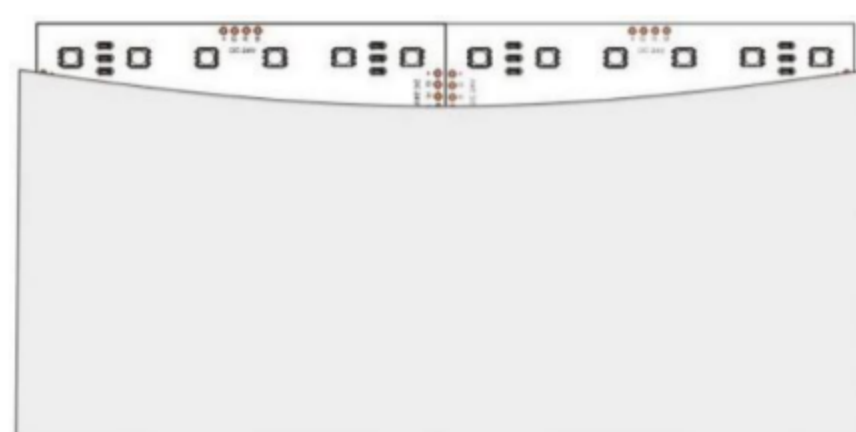
3.2 Packaging Method

Packaging information listed in the supplied source document:

Package type	Quantity	Net weight	Gross weight	Outer carton size
240 × 480 mm	10 sheets/carton	Not specified	Not specified	53.2 × 27.5 × 28 cm



Sheet packing example



Outer-carton packing example

3.5 Transport & Storage

- Handle the flexible sheet carefully during unpacking and installation. Do not pull, stretch or bend it forcibly. Protect it from severe mechanical shock, direct sun, rain, dropping, rolling and heavy pressure during transport.
- Store in a cool, dry and clean environment at –20 to 40 °C.
- LEDs are ESD-sensitive. Use appropriate anti-static precautions during installation and operation. Do not press the LED surface with fingernails or sharp tools.

3 Repair, Maintenance & Quality Assurance

3.6 Repair & Maintenance

1. Confirm that power has been disconnected before maintenance or repair.
2. Clean dust from the sheet surface regularly to maintain good light transmission.
3. Do not use water or strongly corrosive solutions. Use a dry, soft cloth to remove dust.
4. When replacing an adapter or controller, use an original controller, power supply or an equivalent component with the same specification.
5. If repair is required, return the product to the company-designated service department. The customer covers the one-way freight to the company; return freight is covered by the company.
6. If the product is returned from another country for repair, all freight, customs duties and other taxes are borne by the customer.
7. For quality issues within the warranty period, the company may repair the product, replace components or replace the product. After the warranty period, material and labour charges may apply.

3.7 Quality Assurance

1. The company provides a quality warranty from the date of shipment: 2 years for indoor use and 1 year for outdoor use.
2. The warranty applies under normal operating conditions and assumes proper storage, installation, operation and maintenance. It does not cover damage caused by:
 - A. Improper installation or operation by the customer, including violation of operating instructions.
 - B. Unauthorised modification or misuse.
 - C. Operation outside the specified environment, or configuration and repair at a non-designated service location.
 - D. Damage caused by customer-installed circuitry.

Document note: this specification reflects the supplied source file dated 19 August 2025. Confirm current electrical ratings, packaging weights and commercial warranty terms against the latest approved datasheet before quotation or shipment.