

## PRODUCT SPECIFICATION

# DUAL-COLOR 2835 CCT LED LIGHT SHEET

## JS-DC24V-2835-CCT-400D-ZY220

English specification sheet | Revision date: 20 July 2023

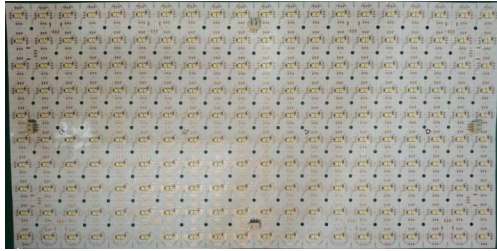
|                   |                                     |
|-------------------|-------------------------------------|
| Product family    | DUAL-COLOR SMD 2835 LED light sheet |
| Model             | JS-DC24V-2835-CCT-400D-ZY220        |
| Input             | 24 VDC                              |
| Prepared by       | He Mingrui                          |
| Review / approval | Not specified in source document    |

## CONTENTS

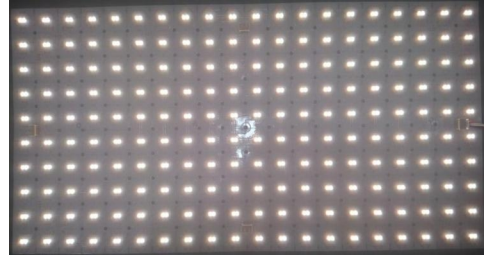
|     |                      |   |
|-----|----------------------|---|
| 1   | Product Overview     | 2 |
| 2.1 | Product Drawing      | 3 |
| 2.2 | Wiring Diagram       | 3 |
| 2.3 | Circuit Diagram      | 4 |
| 2.4 | Technical Parameters | 4 |
| 3.1 | Installation Method  | 4 |
| 3.2 | Packaging Method     | 5 |
| 3.5 | Transport & Storage  | 6 |
| 3.6 | Repair & Maintenance | 6 |
| 3.7 | Quality Assurance    | 6 |

## 1 Product Overview

The JS-DC24V-2835-CCT-400D-ZY220 is a flexible SMD 2835 LED light sheet designed for 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

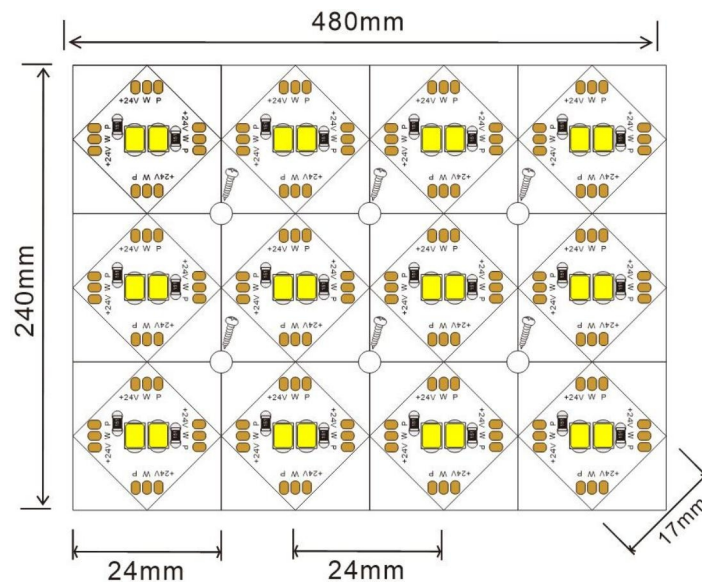
## Key Features

- SMD 2835 LEDs provide high colour rendering, low lumen depreciation, pure light output and reduced ghosting.
- Lead- and mercury-free design for reduced environmental impact.
- Multiple CCT options support different visual environments and comfort requirements.
- Surface treatment provides a clean appearance; the sheet is easy to install, remove and adapt to a wide range of decorative applications.

## Product Marks

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

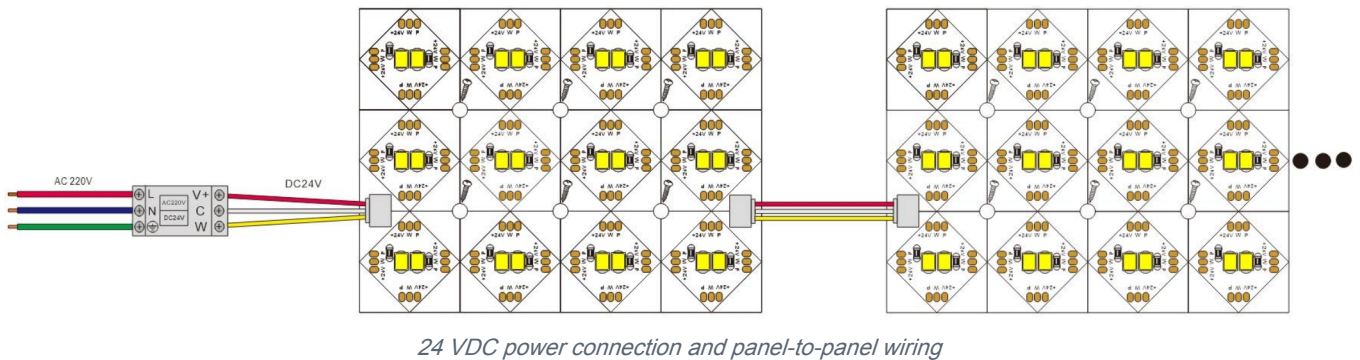
## 2.1 Product Drawing



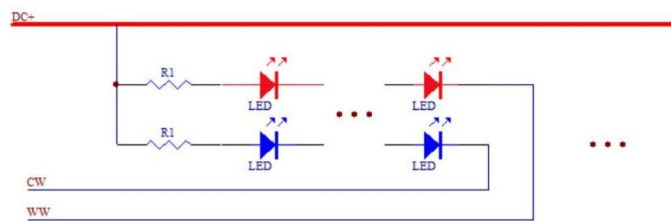
Panel layout and dimensions shown in the supplied source drawing

## 2 Technical Specifications

### 2.2 Wiring Diagram



### 2.3 Circuit Diagram



### 2.4 Technical Parameters

|                      |                                                                                     |                        |                               |
|----------------------|-------------------------------------------------------------------------------------|------------------------|-------------------------------|
| <b>Model</b>         | JS-DC24V-2835-CCT-400D-ZY220                                                        | <b>LED quantity</b>    | 400 pcs                       |
| <b>CCT options</b>   | 6300–6700 K (Cool White)<br>3900–4200 K (Neutral White)<br>2900–3100 K (Warm White) | <b>CRI</b>             | ≥80 (minimum) / ≥90 (maximum) |
| <b>Input voltage</b> | 24 VDC                                                                              | <b>Current</b>         | 1 A*                          |
| <b>Power</b>         | 24 W*                                                                               | <b>Luminous flux</b>   | 2572 lm*                      |
| <b>Panel size</b>    | 480 × 240 mm                                                                        | <b>Source revision</b> | 20 July 2023                  |

\* The source document labels these electrical/photometric values as per metre. Confirm the final commercial datasheet before release if the value is to be used for system sizing.

## 3 Installation, Packaging, Transport & Warranty

### 3.1 Installation Method

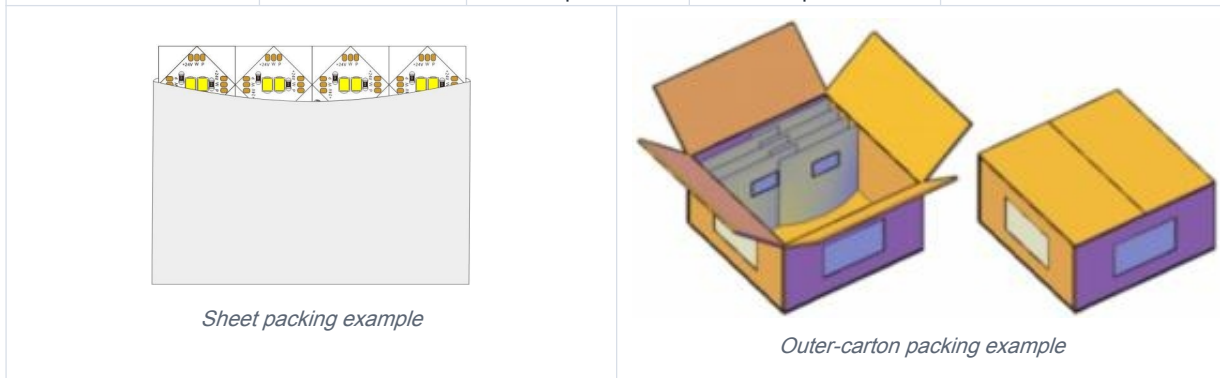
- For indoor indirect lighting, installation is straightforward. Position the sheet at the required location and secure it with screws through the designated mounting points.
- The product uses 24 VDC. Select a suitable switch-mode power supply based on the product load and connection length. For a centralized 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.



## 3.2 Packaging Method

Packaging information listed in the source document:

| Package type | Quantity         | Net weight    | Gross weight  | Outer carton size   |
|--------------|------------------|---------------|---------------|---------------------|
| 240 × 500 mm | 40 sheets/carton | Not specified | Not specified | 53.2 × 27.5 × 28 cm |



## 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 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 20 July 2023. Confirm current electrical ratings, packaging weights and commercial warranty terms against the latest approved datasheet before quotation or shipment.*