



AC 220V High-Voltage LED Block Light

Product Specification

Model: G65-4L-P17222 | **Brand:** MIJI | **Version:** V1.0 / 2026



1. Product Overview

The **MIJI G65-4L-P17222** is a high-performance AC 220V driverless LED block light module, engineered specifically for large-scale signage and architectural lighting applications. Featuring an integrated linear constant-current IC, the module connects directly to mains power - eliminating the need for external drivers, simplifying installation, and significantly reducing total project cost.

With four selectable color temperatures (3000K / 4000K / 6000K / 10000K) and a 170 degree ultra-wide beam angle, this module delivers uniform, vibrant illumination ideal for blister letters, light boxes, and metal channel letters.

2. Technical Parameters

Parameter	Specification
Product Model	G65-4L-P17222
Brand	MIJI
Input Voltage	AC 220V (180V to 240V, 50/60Hz)
Rated Power	4 W per Module
LED Quantity	4 pcs / Module (High-Brightness SMD)
Beam Angle	170 deg (Wide-Angle Optical Lens)
Color Temperature	3000K / 4000K / 6000K / 10000K (Selectable)
Luminous Flux	110 to 120 LM
Color Rendering (CRI)	Ra greater than 80
Protection Rating	IP20 (Indoor Use)
Lifespan	Over 50,000 Hours
Working Temperature	-20 C to +50 C
Material	Aluminum PCB + Flame-Retardant ABS Cover
Certification	CE, RoHS
Dimensions (L x W x H)	63 x 63 x 0.6 mm
Net Weight	Approx. 15.5 g / pcs

3. Color Temperature Options



CCT	Appearance	Typical Application
3000K	Warm White	Restaurants, hotels, warm-tone signage
4000K	Natural White	Offices, retail, balanced commercial signs
6000K	Cool White	Supermarkets, pharmacies, bright signage
10000K	Ultra Cool	High-visibility outdoor brand displays

4. Key Features

1. **Driverless Design** - Built-in constant-current IC enables direct AC 220V connection. No bulky external power supply required.
2. **Ultra-Wide 170 deg Beam** - Optical lens distributes light evenly across the surface, eliminating hot spots and dark zones.
3. **Four CCT Options** - Choose from 3000K, 4000K, 6000K, or 10000K to match any brand or environment.
4. **CE and RoHS Certified** - Manufactured to international safety and environmental standards.
5. **Long Lifespan** - High-quality LED chips deliver 50,000+ hours of reliable performance.
6. **Snap-In Installation** - Center fixing hole and adhesive backing allow quick, secure mounting.

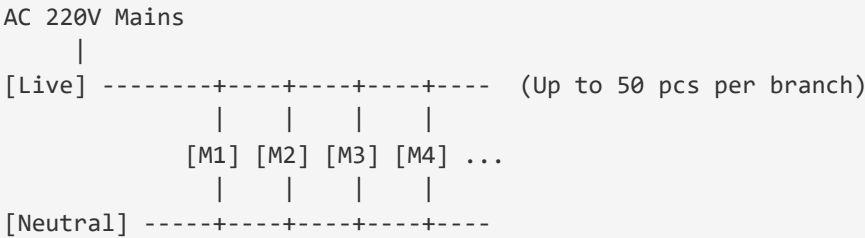
5. Applications

The MIJI G65-4L-P17222 is specifically engineered for **high-end interior decoration and premium signage lighting**, where slim profile, even light distribution and driverless installation are critical.

#	Application Scenario	Why MIJI G65-4L-P17222
1	Soft Film Stretch Ceiling Lighting	Ultra-thin 0.6 mm PCB + 170 deg wide beam delivers uniform backlighting across translucent ceiling membranes with no hot spots.
2	All-White Fabric Lightbox / Textile Lightbox	Driverless AC 220V design eliminates bulky power supplies inside slim lightboxes; ideal for tensioned white-fabric advertising boxes.
3	Premium Mobile Brand Store Decoration (Apple, Huawei, Xiaomi, etc.)	Clean, even illumination meeting the strict visual standards of high-end retail flagship stores.
4	Backlit Acrylic Signage and Channel Letters	High-brightness 4 W per module fully illuminates large acrylic letters and 3D blister letters.
5	Architectural and Commercial Facade Lighting	Direct AC 220V wiring simplifies installation for large-scale outline lighting, facades, and storefront displays.

Note: This module is rated IP20 and is intended for indoor installation, sealed lightboxes, or fully enclosed ceiling structures. For outdoor exposed use, please select our IP65/IP67 series.

6. Wiring Diagram



>>> When module count exceeds 50 pcs, start a new AC 220V branch <<<

Note: A maximum of **50 modules** may be connected to a single AC 220V branch. When more than 50 pcs are required, please feed an **additional AC 220V input** to start a new branch - this prevents voltage drop and ensures uniform brightness across all modules.

7. Installation and Safety Precautions

[!] HIGH-VOLTAGE WARNING This product operates directly on **AC 220V mains power**. Installation must be performed by a **qualified electrician**. Always disconnect power before handling.

1. **Power Off First** - Always switch off the mains before installation, maintenance, or removal.
2. **Insulated Connections** - Use waterproof connectors or properly insulated junction boxes; ensure no exposed live wires.
3. **Polarity and Wiring** - Connect Live (L) and Neutral (N) wires correctly. Do not short-circuit.
4. **Maximum per Branch** - Do not exceed **50 pcs per AC 220V branch**. When installation requires more than 50 modules, feed an **additional AC 220V input** to start a new branch - this avoids voltage drop and uneven brightness across modules.
5. **Indoor Use** - IP20 rating means the module is intended for indoor or sealed-enclosure installation only.
6. **Mounting Surface** - Ensure the surface is clean, dry, and flat. Use both adhesive backing and the center screw hole for secure fixing.
7. **Ventilation** - Avoid fully enclosed spaces without airflow to ensure proper heat dissipation.
8. **Damage Inspection** - Do not power on modules with damaged housing, broken wires, or visible defects.
9. **Storage** - Keep in dry, ventilated conditions. Avoid direct sunlight and humidity.

8. Packaging Information

Item	Specification
Packing Quantity	1,200 pcs / carton
Carton Size (L x W x H)	63.5 x 35.5 x 43.5 cm
Gross Weight	18.6 kg / carton
Net Weight / Module	Approx. 15.5 g

9. Quality Assurance

- **Warranty: 2-Year Limited Warranty** under proper installation and operating conditions.
- **Certification:** CE, RoHS compliant.
- **Quality Control:** 100% aging test before shipment.