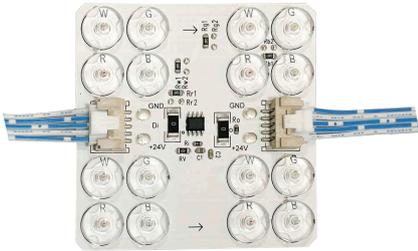# 70x70mm Blockchain

- 70×70mm small square aluminum-based PCB, offering more flexible assembly and superior heat dissipation.
- Output PWM frequency: 4/8/12/16/20/24/32KHz.
- Optional dimming grayscale level: 65536 levels (16bit).
- Supports standby mode with standby power consumption <2mW.
- Smooth and fine-tunable color adjustment for lamps, with flicker-free display.
- This product complies with certifications including CE, CB, RoHS, UL, and ETL.
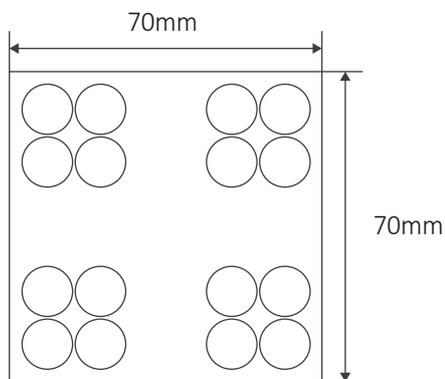
Technologies

- SPI-RGBW

Application

- This product is suitable for home decoration, engineering projects, commercial buildings, hotels, shopping malls, decorative lighting, advertising light boxes, and other applications.

Color Options

5000K   RGBW

Dimensions

70mm

70mm

Beam Angle

170°

Product Specifcations

P/N	LED	CCT	Size (mm)	CRI	LEDS /pcs	LUMENS (Lm/pcs)	Current (mA/pcs)	Power (W/pcs)	Voltage	Maximum cascade length(pcs)
RL-FV0700162835008-RGBW-SPI	2835	R:1100K	70x70	W:90	16	92	88	2.1	24V	12
		G:4500K				420	88	2.1		
		B:100000				210	88	2.1		
		W:5000K				200	79	1.9		
		RGBW				920	333	8		

Other Specifications

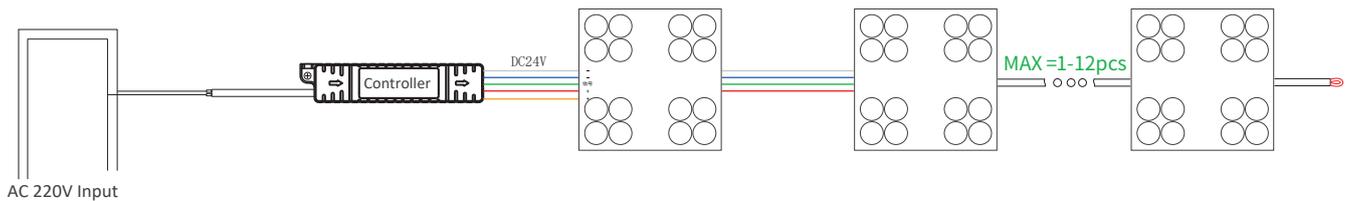| Protection grade	IP20
Working temperature(°c)	-20~+40
Storage temperature (°c)	-20~+70
Maximum cascade length(pcs)	12

Remark

(1) Test environment temperature: normal temperature 25±2°C;

(2) The above data are typical values, and the actual parameters of the product may differ from the typical data. Data is subject to change without prior notice;

(3) The symbol "/" in the above indicates that this parameter is temporarily not required;

(4) For color temperature not specified in the datasheet, please refer to the actual value. Tolerance for power, luminous flux and luminous efficacy: ±10%.
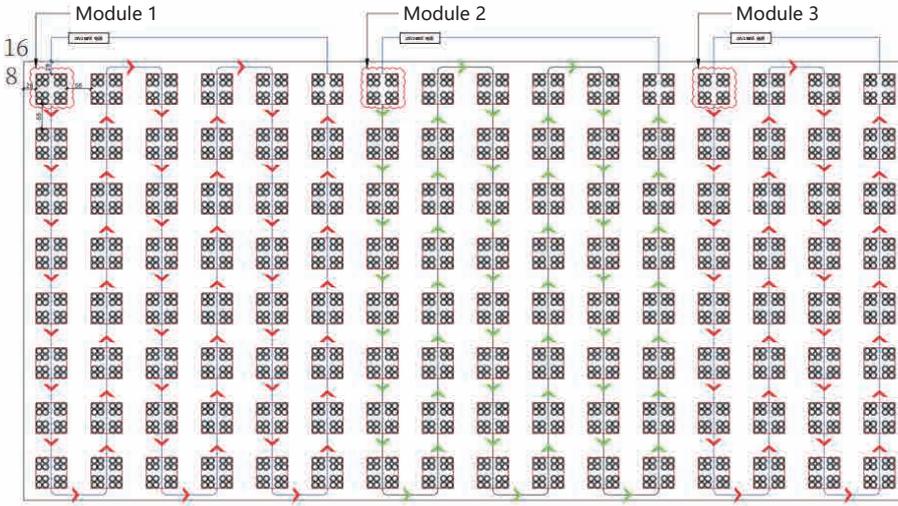
Applied Standards

Schematic diagram ofelectrical connection

Mountting on surface

Module 1   Module 2   Module 3

16
8

#Blockchain Installation Distance & Lamp Film Height#

1. Blockchain light source spacing: 30mm, recommended minimum lamp film height: 60mm
2. Blockchain light source spacing: 69mm, recommended minimum lamp film height: 80mm
3. The final blockchain spacing and lamp film height shall be subject to the customer's actual measurement.

Notes

1. The recommended maximum number of cascaded blockchain modules is 12 pieces. Power supplementation is required if exceeding 12 pieces.
2. Pay attention to the direction of the signal arrow during wiring. Do not reverse the connection, otherwise the entire lamp will fail to work.
3. When the entire lamp is operating at maximum power, the blockchain light source must have sufficient heat dissipation
   (the light box must be equipped with an aluminum heat dissipation backplate).

Application Case

1. Stretch Ceiling

2. Advertising Light Box

Specialized
LED Strip Manufacturer

Shenzhen
Relight Technology Co.,Ltd