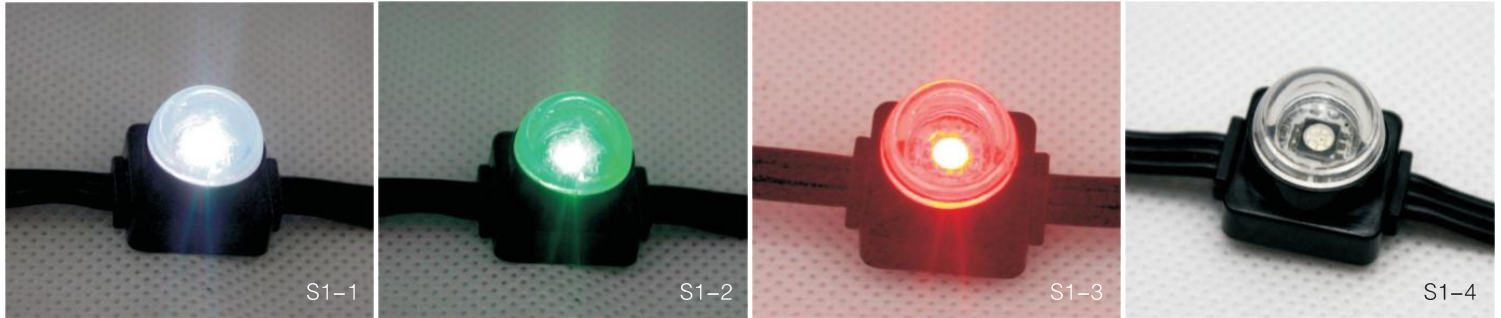


# Square Light

## S1 >> Design handbook

### Product Photos



Patent No.: 200930163793.9

### Specification of model

Model	Operating Voltage	Power Consumption		LED QTY.	Light Intensity (mcd)			
		Average	Maximum		RGB	W	Y	B
S1	DC5V	0.15W	0.3W	RGB COLOR 5050SMD	1950	5000	1000	850

### Light source parameter

#### 1. Specification

Color	24-bit true color, that is 16777216 colors
Grayscale	256 levels each RGB
Case	Flame-retardant PC ( transparent, light gray, black and white optional)
Weight	8g±1g

#### 2. Communication Specification

Category	5 twisted pair data cable
Interface	Differential Interface Data Interface 485

#### 3. Electrical specifications

Operating voltage	DC 5V
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#### 4. Power supply specification

Type	Switching power supply
Input	AC 90 ~ 264V, 47 ~ 63HZ
Output	DC 5V
Power	25W-600W (the actual maximum output power supply rated power 75%) 350W the most commonly used
Shell	Outdoor waterproof shell
Certificate	3C , CE

#### 5. Environmental requirement

Operating temperature	-20 °C to 50 °C
Storage temperature	-40 °C to 70 °C
Protection class	IP66

#### 6. Life

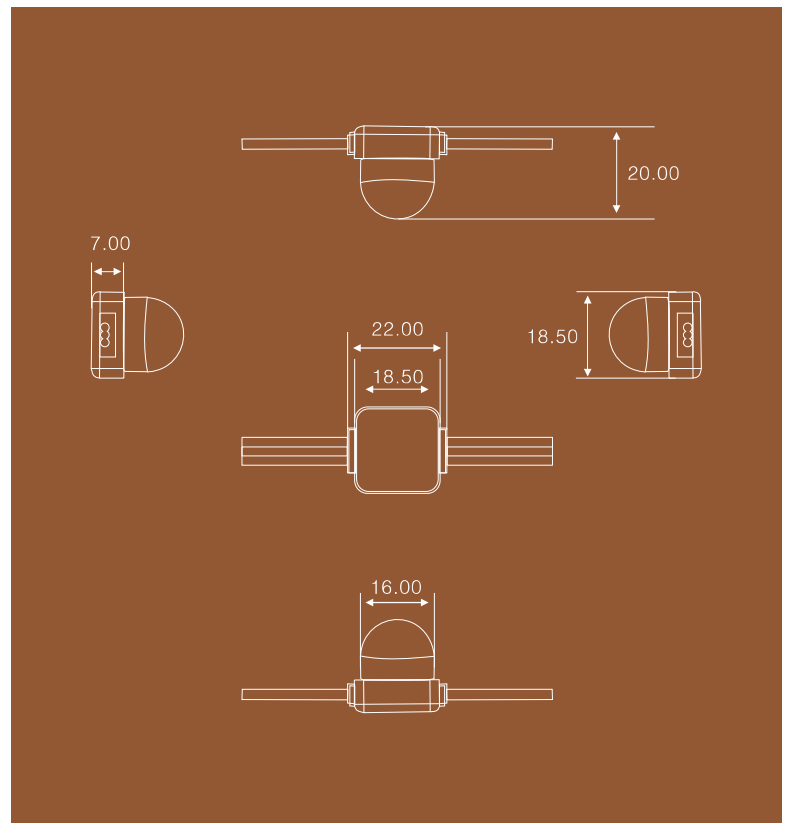
MTBF	=1 Million Hours
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**Note:** LED's luminous flux with time and decay characteristics, so the ultimate life of the product MTBF is not the only indicator.

#### 7. Light source LED Specification

Wavelength	624nm±3nm, 525nm±3nm, 470nm±3nm
beam angle	Conventional 120°

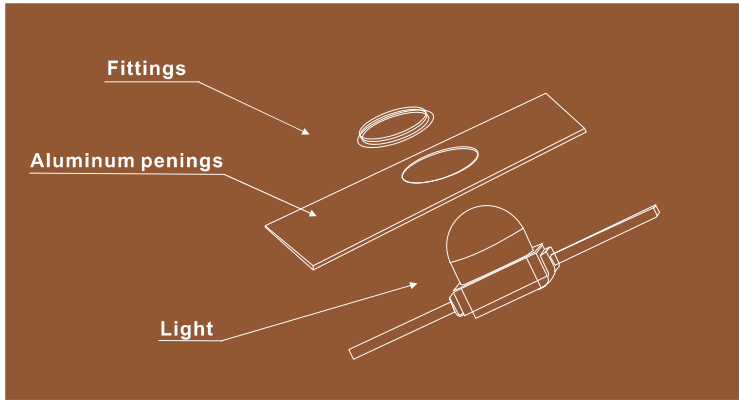
#### 8. Physical Size



## Installation

1、 Installation of two perforated aluminum panels

2、 Spacing note: minimum spacing 3cm; maximum spacing 15cm



## light efficiency / effects design

5050 SMD Surface Mount with 120-degree LED, light-emitting surface is even, mixed with light from the past, and mixed with light effective, flat panel displays in Germany to meet the application requirements, while results are compatible with dynamic backlight applications.

## spare parts inventory, size, accessories

Installation of parts, aluminum (aluminum composite panel, advertising cloth) Hole



## power system

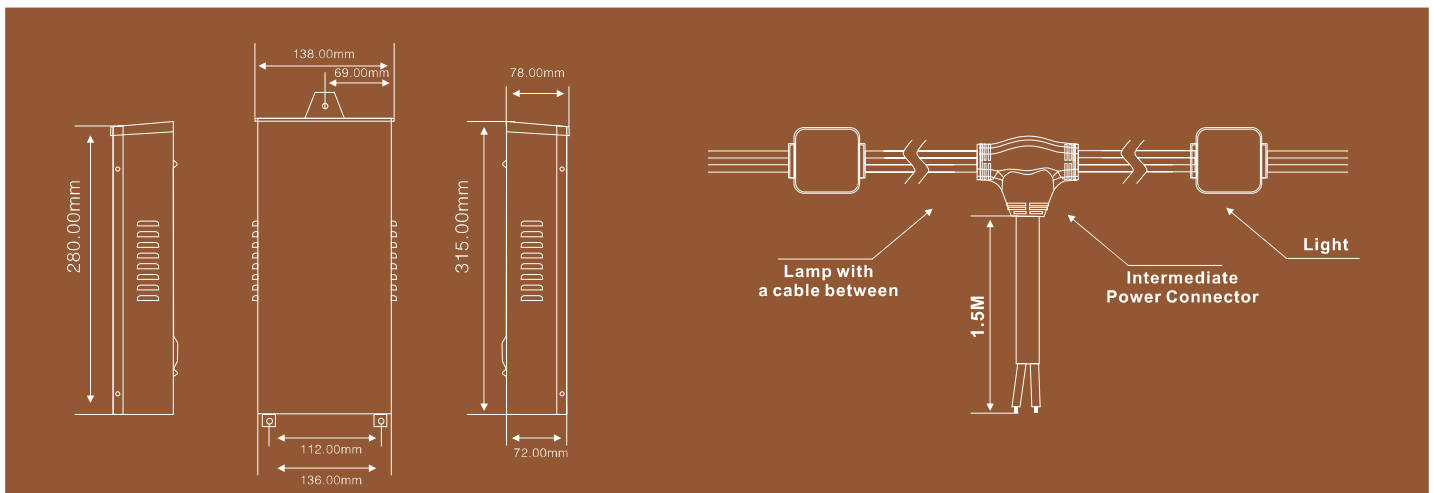
1、 Power supply specifications

- [Http://meanwell.com.cn/ch\\_index.html](http://meanwell.com.cn/ch_index.html)
- [Http://www.hengfu.com](http://www.hengfu.com)

3、 Controllable pitch single power point: (a larger loss of DC power, such as the voltage drop of more than controllable pitch is large, will lead to inconsistencies in light brightness) around a single power supply point of each 10 m

2、 Power waterproof, thermal

4、 Power Connection: Middle Power



## Control System

1. **10000 points or less:** The C70K off-line controller, accessories D8000 sub-controller, 8-port outputs, each port can bring 512 points, each D8000 can be controlled 4096 points; C70K off-line controller, with a maximum of 20 a D8000 sub-controllers, control points for the 256 \* 256 points, without the need to connect a computer, copying it directly to the effect of CF card, can be realized standalone player.

2. **More than 10,000 points or more:** The C800K-line controller, supporting the use of D8000 sub-controller, 8-port outputs, each port with a maximum of 512 points, each 4096 points D8000 can be controlled. C800K line up with 50 D8000 sub-controller can control the points for 1024 \* 768 points, can be connected to computers and computer synchronized playback.