FILMBASE®

www.smartfilmbase.com

# Self Electricity
## LED Film

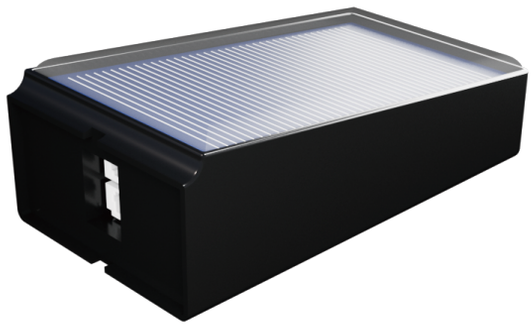
**95-99%** Visual Transparency | **0 Energy** Consumption

## About

Self Electricity LED Film is used YGS-SL5050, Filmbase independent research and development of a staircase lighting display unit, built-in lithium battery, solar self-powered mode, single bus signaltransmission,to achieve arbitrary programming.

The single weight of this display unit is about 20g, using strong weather-resistant adhesive bonded to the building surface, without the need to deepen the architectural drawings in advance, without the need for electrical design and electrical construction, energy saving and environmentally friendly, suitable for all kinds of video information on the outside surface of the building propaganda, commercial advertisements, brightening the landscape, and so on.

### The biggest difference from traditional display screen is that it does not require electricity consumption!



OUTDOOR LED DISPLAY

BUILDING CURTAIN WALL

STREET LIGHT BILLBOARD

**Shenzhen Filmbase Technology Co., Ltd.**

**Email:** info@filmbase.cn **Tel:** +86-755-2850-5346

**Address:** 31F 3A Building, Smart Park, Baolong street, Longgang district, Shenzhen, China

FILMBASE®

FILMBASE Self Electricity LED Film

## Key Features

### 0 Energy Consumption
**High Brightness**

Solar charging, trickle charging; Optical brightening technology, no change in brightness but more energy efficient.

### Safer batteries

Adopts wide temperature battery, battery overcharge and overdischarge management.

### High visual comfort

IC,chip, control all in-one technology,bus protocol, single-point single control, static drive, no strobe.

### Energy range

Charge 1 hour, standby 7 hours. (Conditions: direct angle, illumination 1000W/m²)

### Certified Quality

Designed with reference to national safety and EMC regulations.

### Easy to install

No need to deepen architectural drawings in advance, no need for electrical design and construction, energy-saving and environmentally friendly.

## Product parameters

| | |
|---|---|
| Pitch | P40 |
| Pixel pitch | 40*40mm |
| Pixel | 600 dots |
| Lamp Bead Packaging | 5050 |
| Display Grayscale | 65536 levels |
| Refresh Frequency | 3840Hz |
| Chip Structure | RGB+IC |
| System Support | Novastar |
| Operation Method | Mobile, tablet, computer, remote control |

## Electrical performance

| Project | Test condition | Minimum | Typical | Maximum | Unit |
|---|---|---|---|---|---|
| Input Voltage | Load LED/Battery At 25°C | 4.0 | 5.0 | 6.0 | VDC |
| Charging Voltage | Load Battery At 25°C | 3.0 | / | 4.25 | VAC |
| Charging Current | Load Battery At 1000w/m², 25°c | / | / | 35 | mA |
| Standby power consumption | Load Nc Vin12V At 25°C | / | / | 5.0 | mW |
| LED current | Load RGB-100% At 25°C | 2.2 | / | 7.8 | mA |
| Battery capacity | At 25°C | 250 | / | / | mAh |
| Battery Discharge | At -20°C | / | 50 | / | mA |
| Battery charging | At -20°C | / | 50 | / | mA |
| Full battery life | At 25°C | / | / | 32 | hour |

**www.smartfilmbase.com**
**Shenzhen Filmbase Technology Co., Ltd.**