

Self Electricity LED Film

- Zero energy consumption
- Integrated chip
- Integrated power generation and light emission

Widely used in glass curtain walls, advertising media, landscape lighting, commercial displays, functional signage, etc.

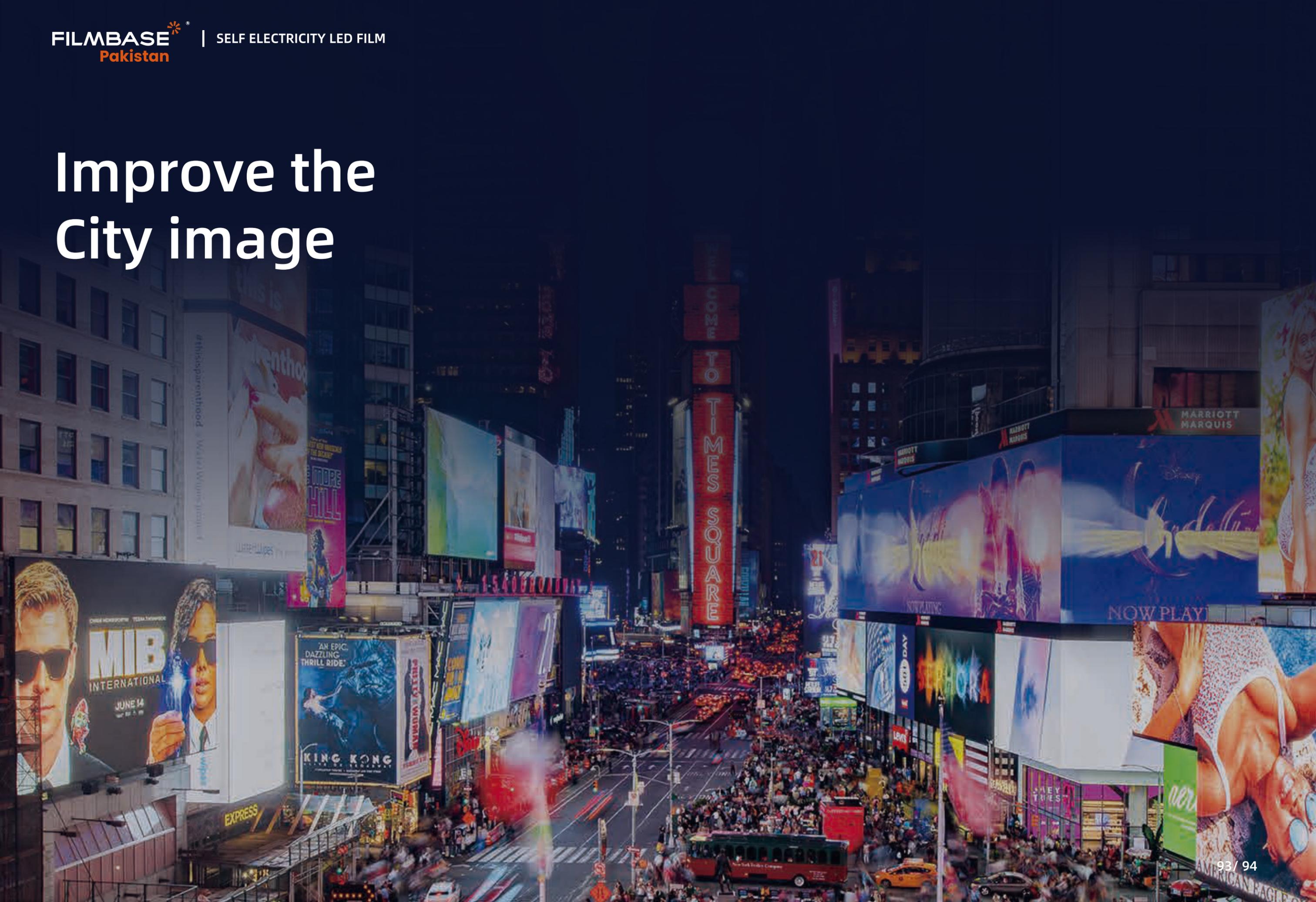


What is the first impression of a city manifest?

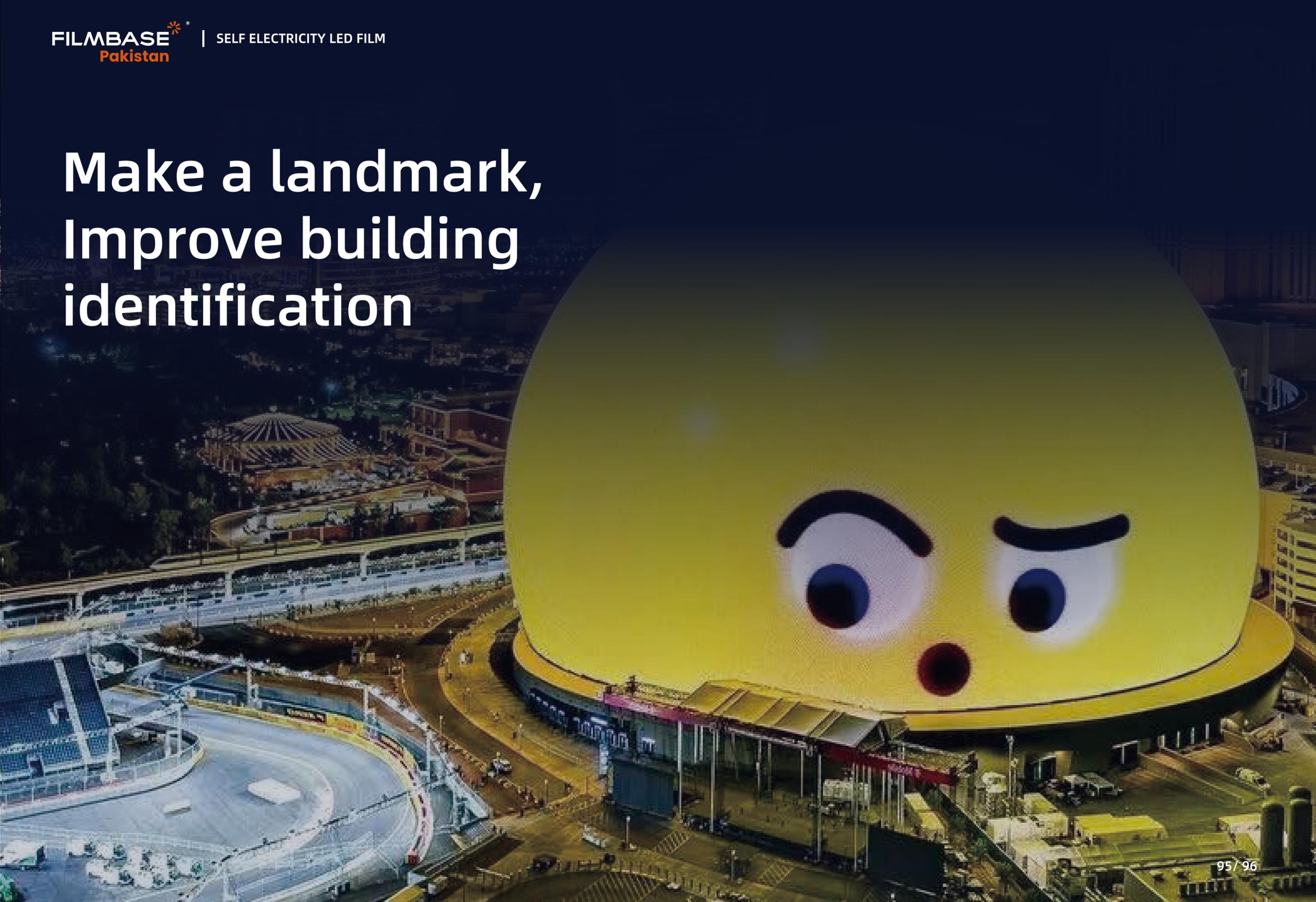


vision

Improve the City image



Make a landmark, Improve building identification



Turning Architecture into a Media



Let the Building Speaking





Self Electricity LED Film

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 signal transmission, 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!

 **0 Energy Consumption High Brightness**
Solar charging, trickle charging; Optical brightening technology, no change in brightness but more energy efficient.

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

 **Certified Quality**
Designed with reference to national safety and EMC regulations.

 **Safer batteries**
Adopts wide temperature battery, battery overcharge and overdischarge management.

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

 **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

Self Electricity LED Film

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

FILMBASE YGS-SL5050

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/m ² , 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

Self Electricity LED Film

Display module



Self Generating LED Film display unit structure

*Color, thickness, size do not represent the actual situation, only for the convenience of the illustration.

