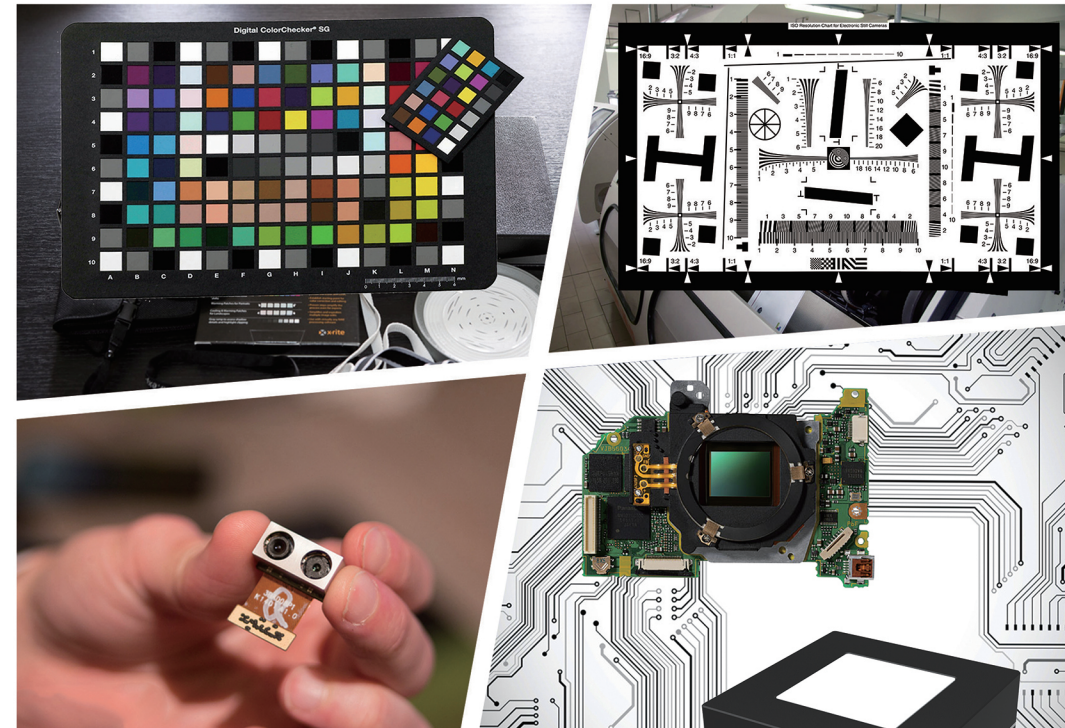


Thousand Lights Lighting (Changzhou) Limited or THOUSLITE is a high-tech enterprise, focusing on **multi-channel LED lighting technology** and **light quality management**. THOUSLITE is a global LED-based standard lighting environment provider, and we are active in international technical conference and standardization societies.

THOUSLITE offers full range of multi-channel LED lighting products for lighting research, industrial color viewing assessment, and camera & sensor test. We also provide customization services. "36 hours fast response" is the policy we make to better serve customers.

Based on our tremendous technical experience, THOUSLITE are committed to provide customer excellent products, advanced solutions and professional service.

LEDPanel Multi-channel LED calibration source



- 2500-6500K tunable CCT
- High CCT accuracy & smooth SPD output
- High uniformity and excellent stability
- Save up to 80 light sources in hardware
- Fast & accurate calibration
- Long lifetime
- Flicker free

Thousand lights lighting (Changzhou) Limited (Sino - British Joint Venture)

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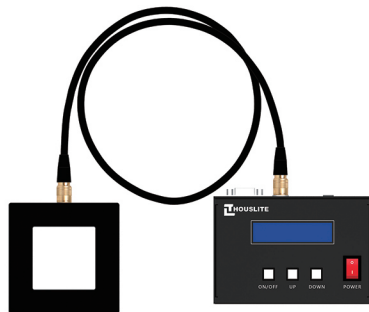
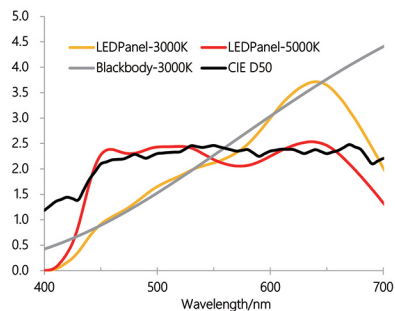
Email: sales@thouslite.com

Web: www.thouslite.com



What is LEDPanel?

THOUSLITE LEDPanel is an innovative light source for **camera module & sensor calibration** in **production line**. Based on our proprietary software LEDNavigator and a set of LED channels with different SPD (Spectral Power Distribution), LEDPanel can simulate CCT (Correlated Color Temperature) from **2700K to 6500K** with accuracy **<±50K**. Moreover, the simulated CCT has relatively **smooth light output** across whole visible range. LEDPanel hardware can save up to **80** light sources which can be measured, reprogrammed, and calibrated using LEDNavigator and spectrometer. Excellent optical design guarantees **>96%** uniformity of illumination surface. SDK (SoftwareDevelopment Kit) in different languages allows users to integrate LEDPanel into their own software.



LEDPanel Features

- High quality blackbody & daylight simulator

To accurately reproduce a range of sources from tungsten to daylight varying Correlated Color Temperature (CCT) from 2700K to 6500K with CCT accuracy <±50K, and the output SPD is relatively smooth across whole visible range



- Luminance adjustable and no warm up time

The light is dimmable while keeping the same light quality, and no warm up time



- High uniformity and flicker free light output

Surface uniformity over 96%, flicker free lighting output



- Excellent stability

Optimized heat management and driver board design guarantees excellent long term stability

- Save up to 80 light sources in the hardware

LEDPanel hardware can save up to 80 light sources, and can be reprogrammed and calibrated via software



80 light sources

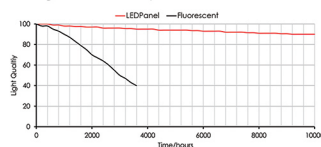
- Fast & accurate calibration

Based on the spectrometer and LEDNavigator software, users can measure, reprogram and calibrate the light source by themselves. It is much more consistent over conventional lighting.



- Longer lifetime

Much longer lifetime compared to fluorescent technology.

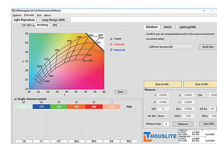


- Dynamic lighting

Programmable light sequence and interval.

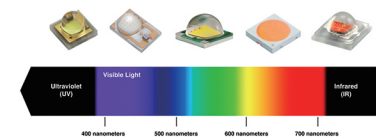
- Software Development Kit in different languages

Allow users to integrate LEDPanel into users' own software



- LED channel wavelength selection service

Provide LED channel wavelength selection service from UV, VIS to NIR



- 36 hours customer response

If users report any problems or issues related to the products in working day, we will response in 36 hours for both domestic and international customers

Specifications

	LEDPanel-5050	LEDPanel-290224
LED channels	Default 4 channels, Max 6 channels	
Spectral range	400-780nm	
LED channel drive method	Amplitude Modulation	
Resolution	10 bit (1024 steps dimmable for each channel)	
Warm up time	<1 s	
LED Lifetime	>10,000 hours	
Capacity	80 light source in switch box	
Predefined illuminants	2800K, 5000K	
Output surface dimension	50mm×50mm	290mm×224mm
Output surface uniformity	96±2% (Min/Max)	95±3% (Min/Max)
CCT tunable range	2700-6500K	
CCT accuracy	<±50K	
Illuminance tunable range	10lx - 2000lx	
Short-term stability	D65 <±20K, D50 <±10K; Luminance <±0.5%	
Long-term stability	D65 <±25K, D50 <±15K; Luminance <±1.5%	
Software instrument compatibility	Konica Minolta CL500A, Konica Minolta CS2000, THOUSLITE FS Spectrometer Jeti Specbos 1211UV spectroradiometer	
Electrical	110/230V, 50/60Hz, 8W Maximum	110/230V, 50/60Hz, 15W Maximum
Operating ambient temperature	0-30°C	
Connection	Switch box, USB cable	
Dimensions(L/W/H) & Weight	90×90×46mm, 0.5kg	326×362×32mm, 4kg
Scope of delivery	LEDPanel light source×1, Switch Box×1, Adapter×1, Power Supply Cable×1, USB cable×1	
Software (optional)	Modules in LEDNavigator: Light simulator, Feedback, Dynamic Lighting, Single channel control; SDK available on request	