

Data Sheet 595mm x 595mm High Efficiency LED Panel Light

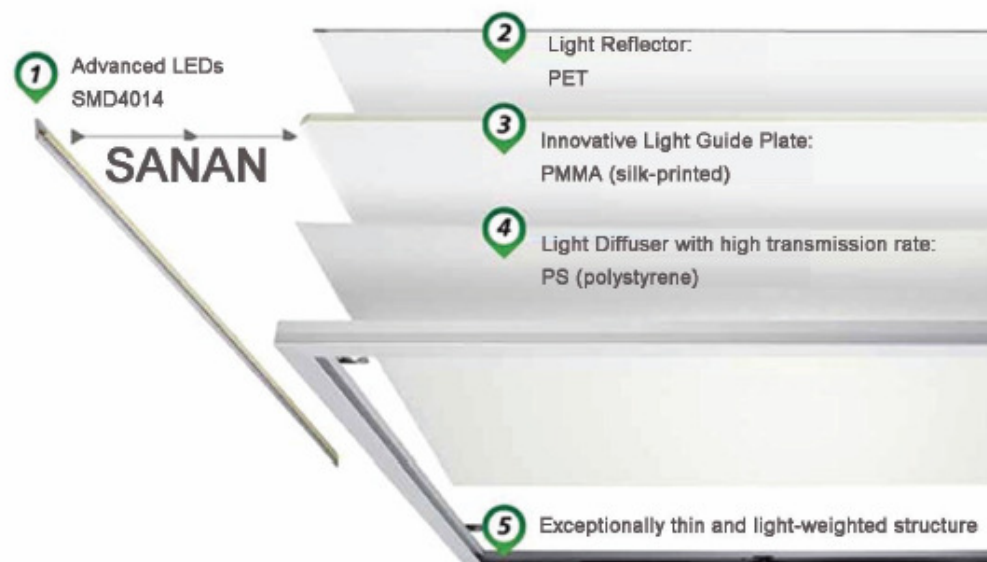


CE  **RoHS**

30W HIGH LUMEN LED Panel Light 60x60 (White Frame)

Our new Panel Light advantage:

1. **Frame** - Special structure design - firmly fix the LED on each other side.
White coating finished with electrophoretic technology, tide & neat looking, not easily scratched, good heat dissipation
2. **Back Plate** - Superior material for heat dissipation
3. **Super brightness LED** - Ultra-brightness SMD 4014 from **SANAN**, up to 130-140 lm/w, large LED chip size: 10X32mil
4. **Light reflector** - **Toray** from Japan; **LGP** - silk-printed PMMA with up to 95% light transmission rate, reflect/deflect the light evenly to the whole panel; best PS diffuser with 90% light transmittance rate



DRIVER: EMC-EU & TUV TEST CERTIFIED

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1000V Surge Voltage Resist
Common mode inductor and
Piezoresistor



Assurance



Silergy IC From US
The most stable solution
for LED panel driver

4000V Isolated Solution
Isolation transformer



EMC-EMI Passed
Safety capacitor and high
frequency inductance
for filtering

TOSHIBA
Leading Innovation
TOSHIBA MOS
Let SMPS driver
work more effective

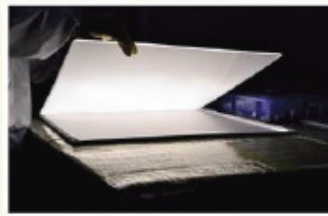
SAMXON®
Aluminum Electrolytic Capacitors
50,000 Work Hours Assurance
Electrolytic capacitor from SAMXON
8,000hrs work at 70°C

MAIN SPECIFICATIONS (T=20°C)

NUMBR	ITEM	DESCRIPTION
01	Input Voltage, Frequency	AC220-240V, 50Hz
02	Output Voltage, Current	DC30-40V, 750mA
03	LED Power	29W
04	Total Power	30W
05	Luminous Flux	>3600Lm
06	LED Qty/ LED CHIP	192 PCS(4014) / SANAN
07	Light Efficiency	120 lm/w
08	Color Temperature	T109 - 3000K (Warm White) T108 - 4500K (Cool White) T107 - 6000K (Day White)
09	Driver	Non Dimmable - Constant current power supply
10	Humidity Operating	10-80%
11	Humidity Storage	10-80%
12	CRI	>80
13	PF	>0.9
14	Certifications	CE, RoHS, EMC
15	Size - Dimensions	595*595*9 mm
16	IK Code, IP Code	IK01, IP41
17	Beam Angle	120D
18	Body Type	Aluminum, PMMA, PS

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AN ENGINEER'S MASTERPIECE MADE IN DUST FREE WORKSHOP



Safety Notice for Using

1. Please always use the light out of its package.
2. Before starting use of the light, please check if the light was damaged during transportation. If any damage shown, please DO not install or use it.
3. Any maintenance should be performed by trained professionals only.
4. Keep packaging material away from the reach of children and pets. Risk of suffocation!
5. Caution: The packaging contains small parts that may be swallowed by children.
6. Never leave children unattended in the vicinity of the lights and do not allow them to play with electrical devices.
7. Try to avoid looking directly in the LED beam-especially for extended periods of time. Do not shine the LED light in another person's eyes.
8. Never cover the lights by other objects.



9. Never allow the light to come into contact with open flames or external heat sources.

Maintenance:

1. Prior to cleaning the light, make sure it has been disconnected from the power supply.
2. Use a dry or slightly moistened cloth for cleaning.
3. Never use any chemicals or abrasives for cleaning.

Installation:

1. This product should be installed by trained electricians.
2. Check integrity of the products when unpacking.
3. The distance between the light and any flammable materials must not be less than 0.2m. The distance between the upper part of the installed light and the ceiling must not be less than 2cm. The light must not be installed into ceilings or walls that contain heat-insulating material.
4. The main cable must not connect with the low voltage cable or the surface-mounted lights.
5. Guide the lights' connecting cables through the drilled-out hole, and fix the surface-mounted lights with the pre-fitted clips. Make sure that these are securely connected to the base material.
6. When laying the cables, make sure that the cables and plugs are not subjected to any tensile or twisting forces. Fit the cable tension relieving mechanisms to the connection points of the surface-mounted lights. Do not kink cables. Output cables should be laid separately and at a distance from other cables.
7. After installation, connect the transformer to the mains supply. Proceed by connecting the wiring cables to the luminaries. Usually, the brown (or black) wire is the Live wire, connect it with the terminal marked 'L'. The blue wire is Neutral wire, connect it with the terminal marked 'N'.
8. Use only the LED driver included, and do not connect the surface-mounted lights to other loads. Do not remove the name plate of the power supply and driver of the light.

Notes:

Non-professionals are not allowed to disassemble and maintain the products. We have the right not to provide after-sale service if unauthorized product disassembly and maintenance is undertaken.

TEST REPORT OF 30W 6000K

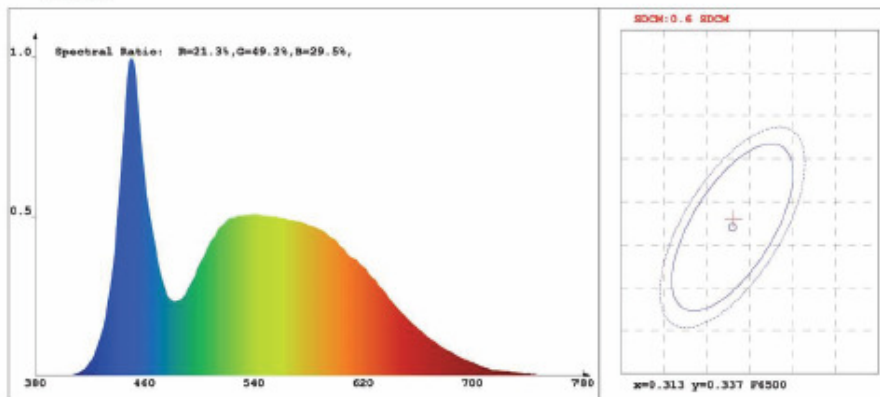
HFLED Fast Spectrophotometer Test Report

LED光源光色电测试报告

Product Mark

Product Type : 595X595 30W
Temperature : admin'C
Operator : admin
Remark:

Manufacturer :
Humidity : 65%
Test Date : 2016-08-26 13:27:58



Chroma Parameters

Chro.Coar.:x=0.3131 y=0.3380 u=0.1947 v=0.3154 duv=0.0076
CCT: 6425K Dominant Wave.:494.7nm Purity:6.6%
Flux RGB Ratio:R=13.0%,G=83.4%,B=3.7% Peak Wave:450.6nm Half Width:23.8nm

Rendering Index:Ra= 81.4

R1	R2	R3	R4	R5	R6	R7	R8
78	85	90	82	80	81	88	68
R9	R10	R11	R12	R13	R14	R15	
0	64	81	56	80	95	73	

Photo Parameters

Flux:3661.19lm Effi.:115.5lm/W Radiant:9746.7mW Ri:0.0mW/sr
Efficiency:0.12 Effi Level:B (EU 874-2012)

Ele. Parameters

Voltage:U=220.900V Current:I=0.1540A
Power:P=31.69W Power Factor:PF=0.929

Lamp Parameters

Voltage:U=220.900V Current:I=0.1540A Power:P=31.69W
Power Factor:PF=0.929 Efficacy:0.0lm/W

Instrument state

Instrument:Hopoo HP8000S Integral Time: 73.879ms VPeak: 13415
VDark: 1050 Product ID: 201409713

Hopoo Optoelectronics Technology CO.,LTD www.hopoo.net

