



Elektra™ LED Panel Light

SPECIFICATION

PRODUCT: Elektra™ LED Panel Light (ELP)

Model: 595*595

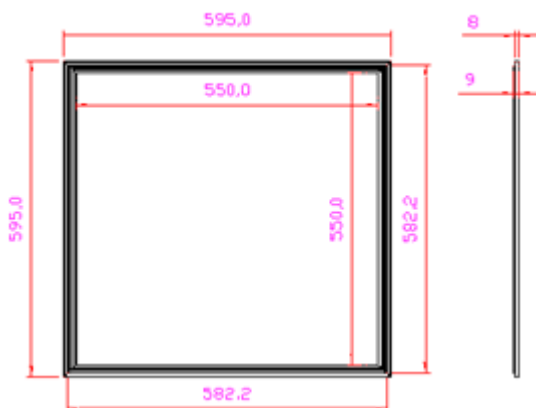
*Information presented is current as of publication date.

1. Basic Information

1.1 Features

- ✧ 9mm Ultra-thin Design
 - ✧ PB Free
 - ✧ CE & ROHS Compatible
 - ✧ LED TYPE: SMD 2835 (Epistar, Cree, Nichia, Sanan available for customisation)
 - ✧ CRI: ≥ 80
 - ✧ Optional CCT: 3000K / 4000K / 5000K / 6000K
 - ✧ Light Angle: 120°
 - ✧ Insulation: CLASS II
 - ✧ Ingress Protection: IP20
 - ✧ Working environment: 10~80%RH, -20°C~50°C
- Mounting Dimension: 582.2*582.2mm

Warm White	Nature	White	Cold White Daylight
3000K	4000K	5000K	6000K



1.2 Electrical-Optical Characteristics



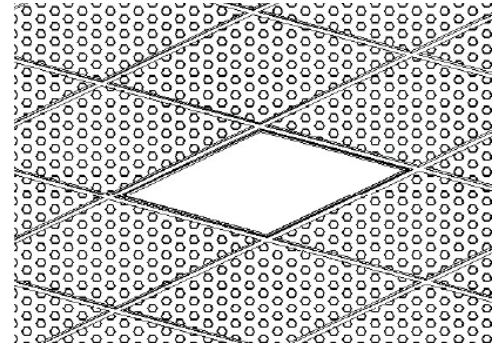
Model	Watts.	Light Eff lm/W	Power Supply Info.				
			Input	Output	PF	Eff.	
595*595	24W	90-120	170-265V	20-30VDC	0.84A	>0.9	86%
	24W	90-120	90-295V	20-30VDC	0.84A	>0.9	86%
	30W	90-120	90-295V	24-36VDC	0.84A	>0.9	86%
	36W	90-120	170-265V	32-42VDC	0.84A	>0.9	86%
	40W	90-120	100-265V	32-42VDC	1.15A	>0.9	88%
	45W	90-120	90-295V	32-42VDC	1.15A	>0.9	88%
	48W	90-120	170-265V	32-42VDC	1.15A	>0.9	89%
	60W	90-120	90-295V	32-42VDC	1.43A	>0.9	89%

※Notes the parameter is based on white color with CCT 4000K/5000K/6000K, light efficiency and luminous will be lower for warm white color with CCT 3000K, +/-10% deviation for parameter of electricity and light can be accepted

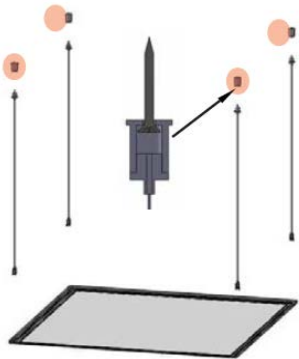
2. Installation Instructions

➤ 2.1 Replace the plaster false ceiling

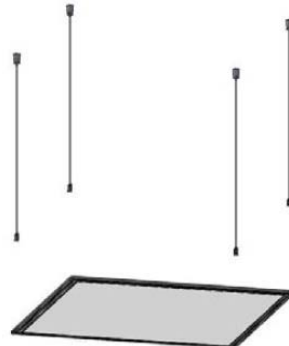
This is the most popular installation for the panel, remove the False ceiling and replace it with the panel



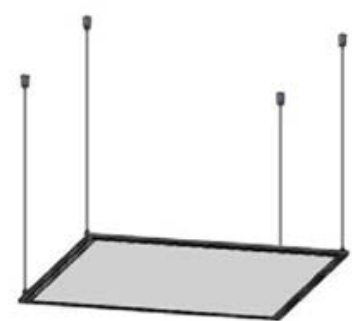
➤ 2.2 Suspended to the ceiling



i . Fix the 4 sockets to the ceiling with screws

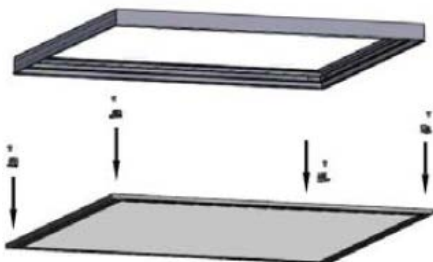


ii . Screw the 4 ropes to the sockets

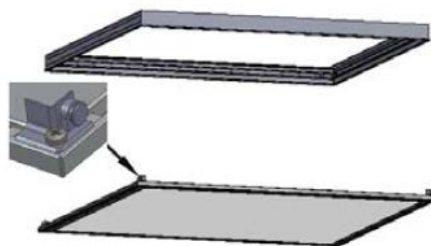


iii. Screw to the Led panel light. The height is adjustable by pulling the rope on the socket

➤ 2.3 Mounted on the ceiling or the wall



i . Fix the frame to the ceiling or wall with screws

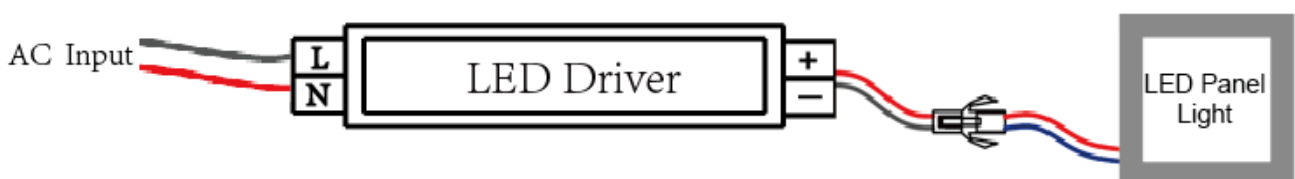


ii . Screw the 4 clips to the panel



iii. Push the panel to the frame and it will be clipped and fixed

3. The wiring diagram



LED Panel Light Wiring

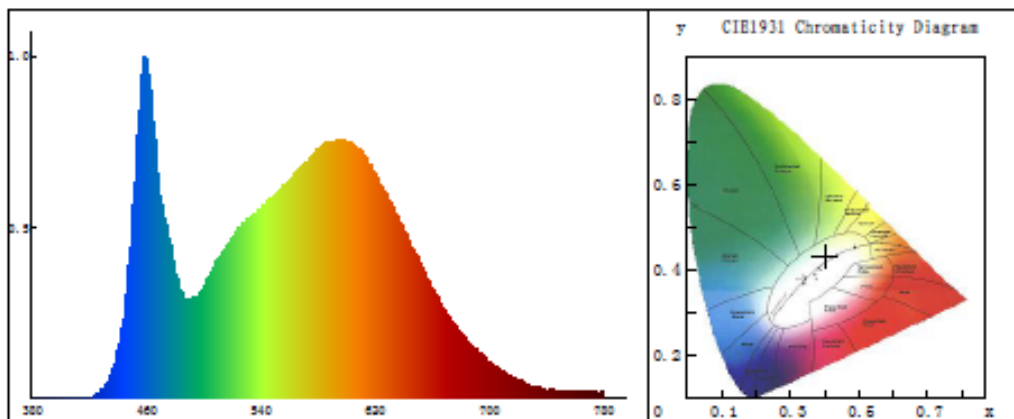
4. Electrical-Optical Test Reference



LED Test Report

Product Mark

Product Type : P66-48S-4000K Manufacturer :
 Temperature : ℃ Humidity : 65%
 Operator : 01 Test Date 2014-3-20



Chroma Parameters

Chro. Coord.: $x = 0.3771$ $y = 0.3720$ $u = 0.2248$ $v = 0.3326$ $duv = -0.0013$
 CCT: $T_c = 4059K$ Dominant Wave.: 580.6nm Purity: 24.8%
 R ratio: $R = 18.7$ Peak Wave.: 459.3nm Half Width: 24.7nm

Rending Index

$R_a = 84.6$
 $R_1 = 85$ $R_2 = 95$ $R_3 = 94$ $R_4 = 79$ $R_5 = 84$
 $R_6 = 92$ $R_7 = 83$ $R_8 = 66$ $R_9 = 22$ $R_{10} = 87$
 $R_{11} = 77$ $R_{12} = 62$ $R_{13} = 88$ $R_{14} = 98$ $R_{15} = 80$

Photo Parameters

Flux: 4562.42lm Effi.: 95.8lm/W Radiant: 12868.7mW Iv: 0.0mcd

Ele. Parameters

Voltage: $U = 225.2V$ Current: $I = 0.222A$
 Power: $P = 47.6W$ Power Factor: $PF = 0.951$

Instrument state

IntgeTime: 22.705ms VPeak: 13909 VDark: 1319
 Scan Range: 380-780nm

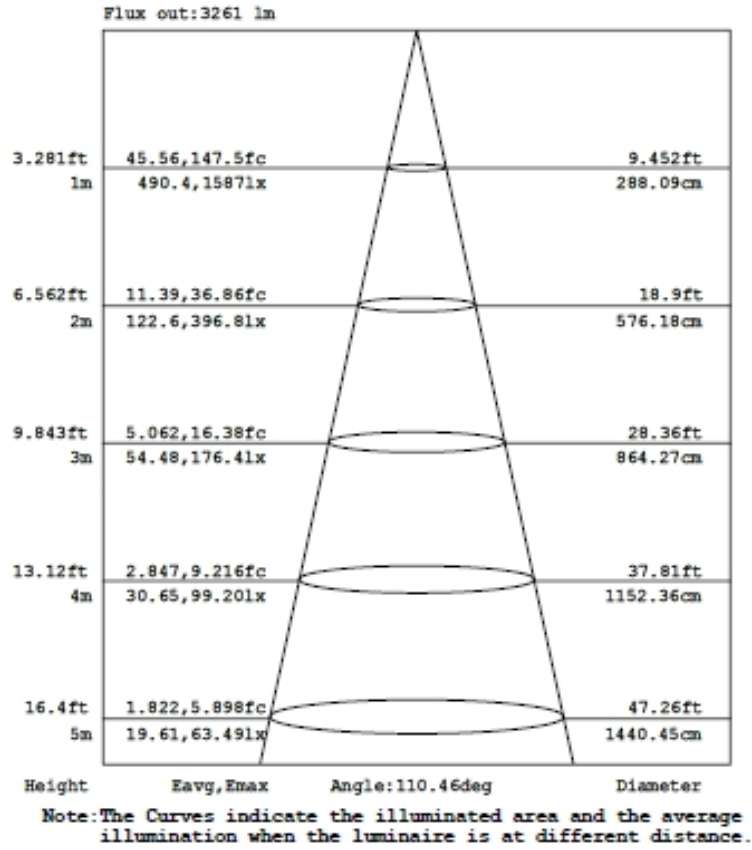
※Notes: This Test report is based on a certain Part Number LED Panel Light.

For more detail test report please contact our sales.

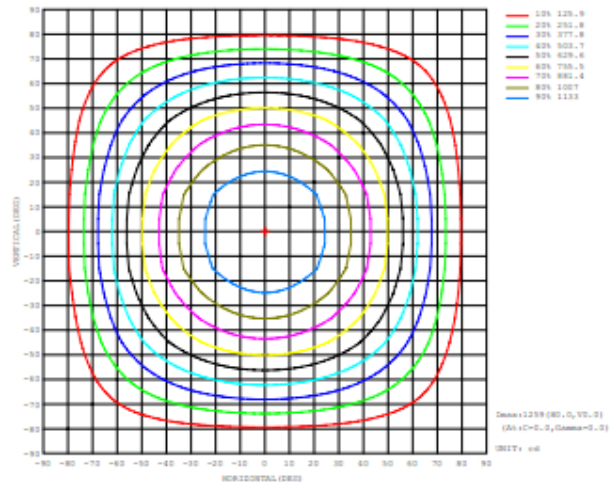
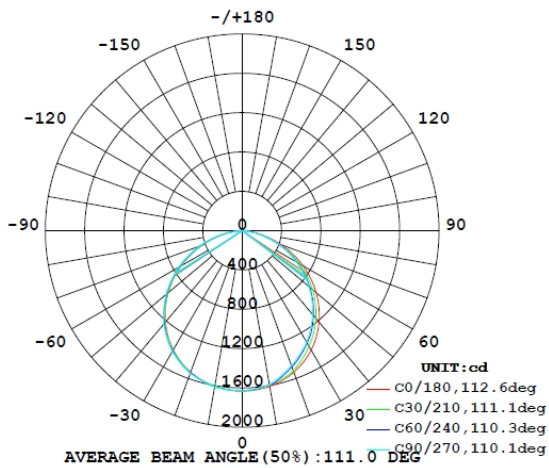
5. Photometric Test Report



AAI Figure



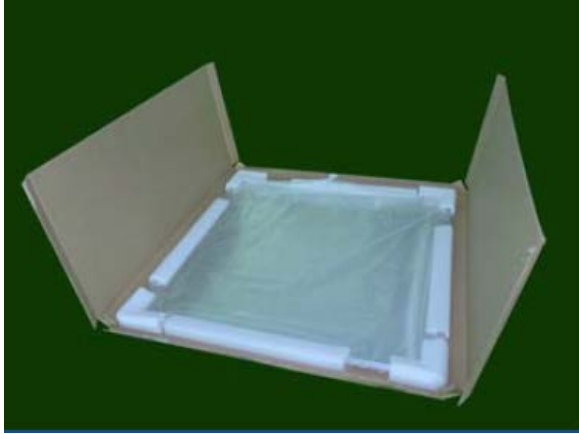
※Notes: This AAI Figure is based on a certain Part Number LED Panel Light. Different power consume, CCT and CRI will affect the flux out, Eavg and Emax. For more detail information, please contact our sales.



LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

ISOCANDELA DIAGRAM

6. Packing instructions



Size of inner carton: 67*62*3.5CM
G.W of inner carton: 4.3KG
Packing quantity: 5PCS/mater carton

Size of master carton: 68.5*63.5*20CM
G.W of master carton: 23KG

7. Application Scene

- ◇ Municipal lighting, bank lighting, gymnasium lighting, airport, cinema, bus station, public lighting;
- ◇ Hotel, super market, convenience store, bar, coffee shop, teahouse;
- ◇ Apply to advertisement, fair, stage.

8. Notes

- ◇ Turn off all connected power before installation
- ◇ Indoor usage only, please apply approved waterproofing protection for outdoor usage;
- ◇ The standard product is Non-dimmable, contact our sales for more dimmable driver information.
- ◇ Any queries, please contact technician.