

3rd-generation LED PANEL LIGHT



This is the Third-generation LED panel launched by Haichang Optotech with much higher light efficacy and more outstanding light quality than ever before. The side emitting technology created concise appearance, excellent uniform light as well as glare-free viewing effect. This new LED panel light can be merged into various decoration styles to build a comfortable and bright living or working environment, so it can be widely used in commercial and residential lighting.

Advantages:

Super bright Epistar 2835 LED

Aviation aluminum alloy Housing (Framing): high hardness, high thermal conductivity, low weight

Stable and Rigid Frame with variety of coloring on the surface to match different places

Mold pressing Acrylic Light Guide Board enables the panel light out-coupling efficiency to reach a highly level.

Excellent craftsmanship and Strict quality control

Features:

High efficacy: 100Lm/Watt, 120~130 Lm/Watt

Ultra-thin, Even light output, CRI>80

Wide range of input voltage: AC 200~240V

Instant start, No flickering, no humming

LIFUD High efficiency constant current LED driver

Special circuit design, each group of LEDs work separately

Over 50,000 hours lifetime, Energy saving 50-70%

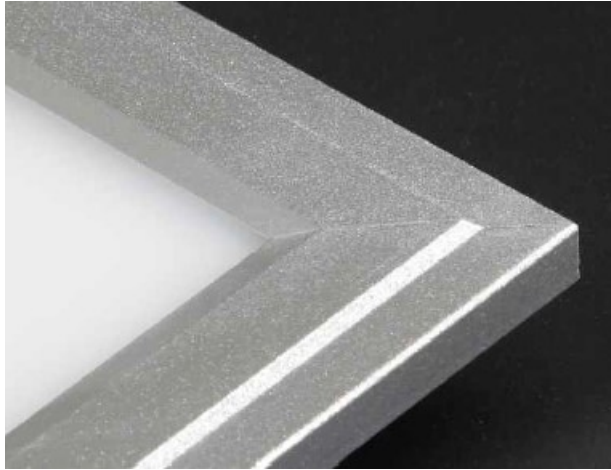
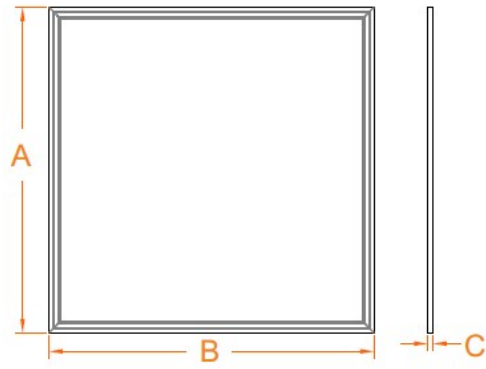
CE, TUV & RoHS compliant

3~5 years solid warranty

DALI/Triac/0~10V Dimming available upon request

Panel size:

A	B	C
595	595	9.3
620	620	9.3
295	1195	9.3
595	1195	9.3

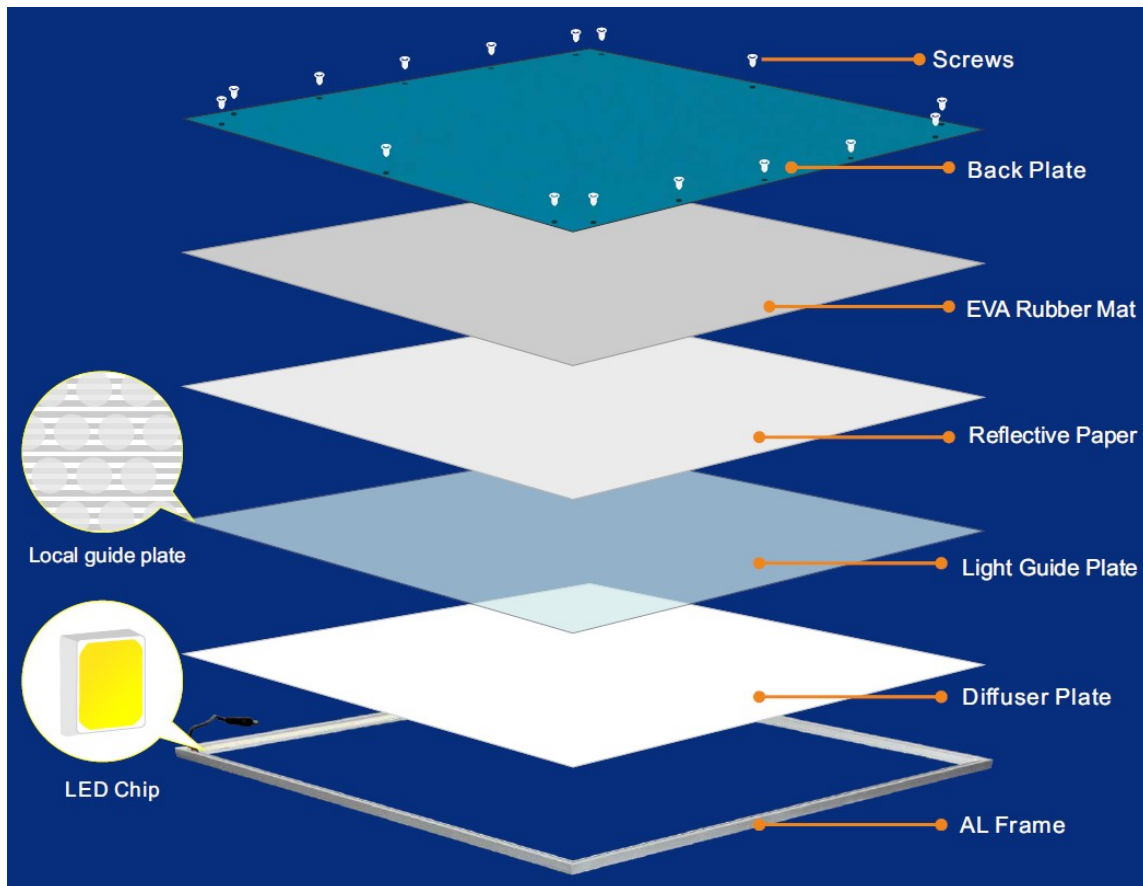


Silver Aluminum Frame



White paint Frame

Structure:



HAICHANG OPTOTECH CO., LIMITED

LED Lumen Attenuation:

Operating time(hours)	Lumen decrease (%)
5,000	2.3
10,000	5.4
20,000	11.5
50,000	25.2

Technical Descriptions:

120-130LM/Watt:

Model	Color	Size (mm)	Voltage /Current	Power (W)	Lumens (LM)
PNL2835A-600x600-36/40-W/WW/NW	2700-6500K	595*595*9.3	DC25-42V 900/1000mA	36W /40W	4320 /4800
PNL2835A-600x600-45/50-W/WW/NW	2700-6500K	595*595*9.3	DC25-42V 1100/1200mA	45W /50W	5400 /6000
PNL2835A-620x620-36/40-W/WW/NW	2700-6500K	620*620*9.3	DC25-42V 900/1000mA	36W /40W	4320 /4800
PNL2835A-620x620-45/50-W/WW/NW	2700-6500K	620*620*9.3	DC25-42V 1100/1200mA	45W /50W	5400 /6000
PNL2835A-1200x300-36/40-W/WW/NW	2700-6500K	1195*295*9.3	DC25-42V 900/1000mA	36W /40W	4320 /4800
PNL2835A-1200x300-45/50-W/WW/NW	2700-6500K	1195*295*9.3	DC25-42V 1100/1200mA	45W /50W	5400 /6000
PNL2835A-1200x600-55/60-W/WW/NW	2700-6500K	1195*595*9.3	DC25-42V 1400/1500mA	55W /60W	6600 /7200

100LM/Watt:

Model	Color	Size (mm)	Voltage /Current	Power (W)	Lumens (LM)
PNL2835B-600x600-36/40-W/WW/NW	2700-6500K	595*595*9.3	DC25-42V 900/1000mA	36W /40W	3600 /4000
PNL2835B-600x600-45/50-W/WW/NW	2700-6500K	595*595*9.3	DC25-42V 1100/1200mA	45W /50W	4500 /5000
PNL2835B-620x620-36/40-W/WW/NW	2700-6500K	620*620*9.3	DC25-42V 900/1000mA	36W /40W	3600 /4000
PNL2835B-620x620-45/50-W/WW/NW	2700-6500K	620*620*9.3	DC25-42V 1100/1200mA	45W /50W	4500 /5000
PNL2835B-1200x300-36/40-W/WW/NW	2700-6500K	1195*295*9.3	DC25-42V 900/1000mA	36W /40W	3600 /4000
PNL2835B-1200x300-45/50-W/WW/NW	2700-6500K	1195*295*9.3	DC25-42V 1100/1200mA	45W /50W	4500 /5000
PNL2835B-1200x600-55/60-W/WW/NW	2700-6500K	1195*595*9.3	DC25-42V 1400/1500mA	55W /60W	5500 /6000

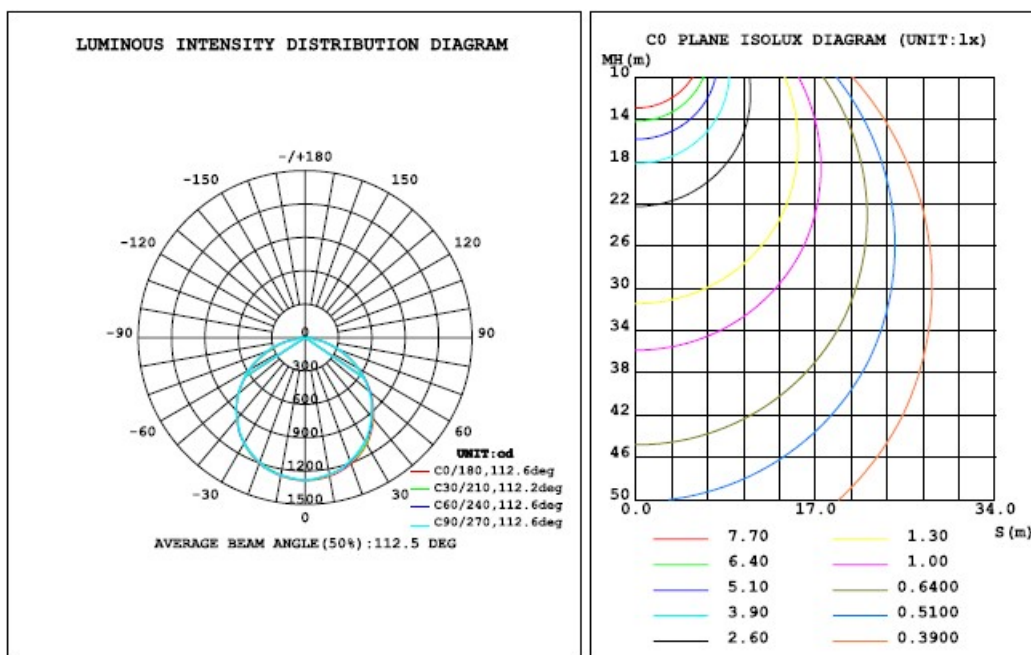
HAICHANG OPTOTECH CO., LIMITED

Test report:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.6V I:0.1880A P:40.32W PF:0.9710 Lamp Flux:4852.5lx1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.55X0.55	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax(cd)	1285	S/MH(C0/180)	1.27
NOMINAL POWER(W)	40.3	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	4852.51	η UP, DN(C0-180)	0.0, 49.3
NOMINAL FLUX(lm)	3599.06	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 50.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220.4	η down(%)	100.0	CIBSE SHR MAX	1.35



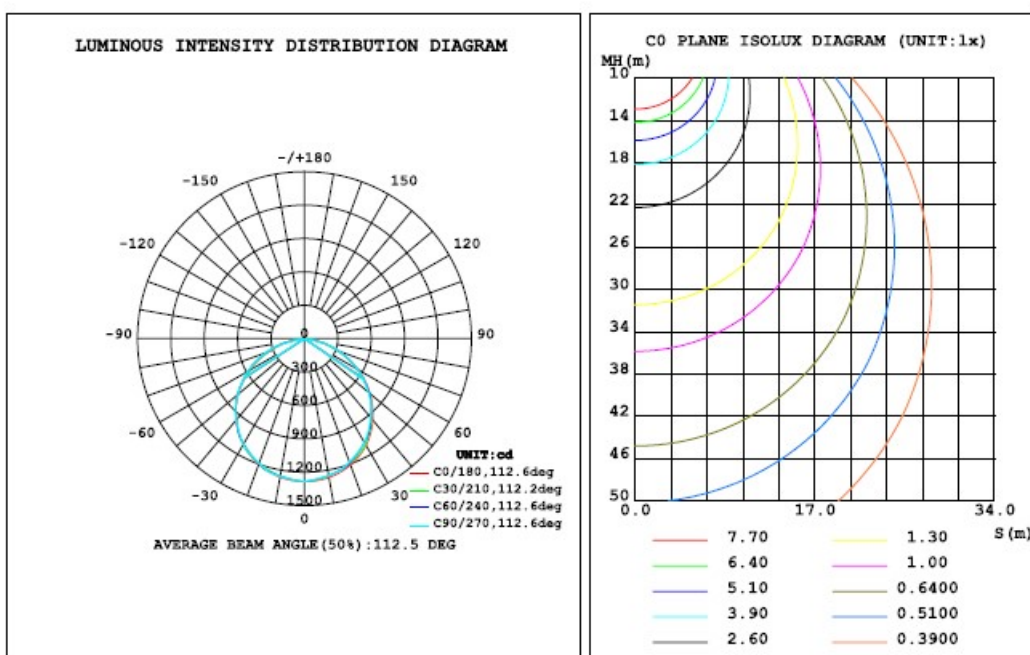
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:

Y Range: 0 - 90DEG
Y Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.283
Humidity:65.0%
Test Distance:8.860m [K=1.0000]

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.6V I:0.1880A P:40.30W PF:0.9710 Lamp Flux:4042.49 x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.55X0.55	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		I _{max} (cd)	1285	S/MH (C0/180)	1.27
NOMINAL POWER (W)	40.3	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	4042.49	η UP, DN (C0-180)	0.0, 49.3
NOMINAL FLUX (lm)	3599.06	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 50.7
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220.4	η down (%)	100.0	CIBSE SHR MAX	1.35

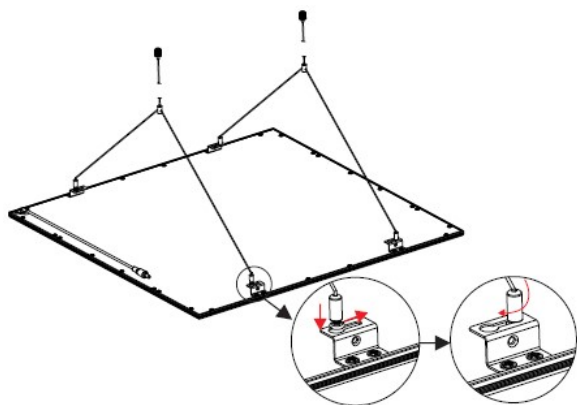


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:

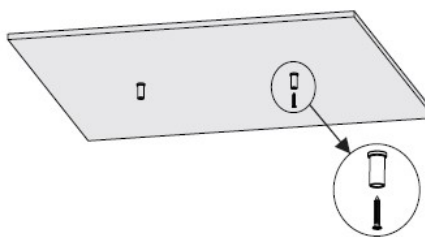
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.283
 Humidity: 65.0%
 Test Distance: 8.860m [K=1.0000]

INSTALLATION

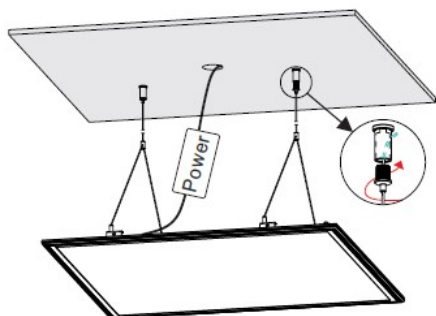
A. Hanging/Suspension installation



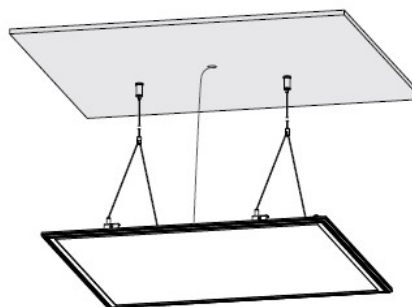
1.Lock the lockparts of the wire rope branching to the back panel light



2.Lock the hanging part of the wire rope to the ceiling.

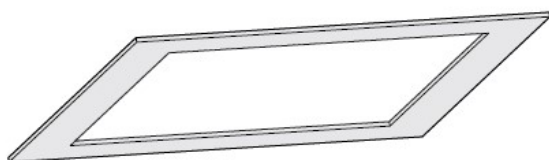


3.Lock the lockpart of the main wire rope to the wire rope hanger, connect with the power cable

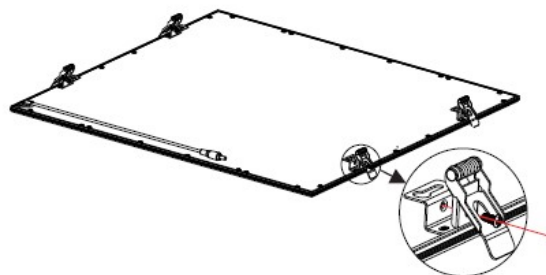


4.Finish installation, power on working

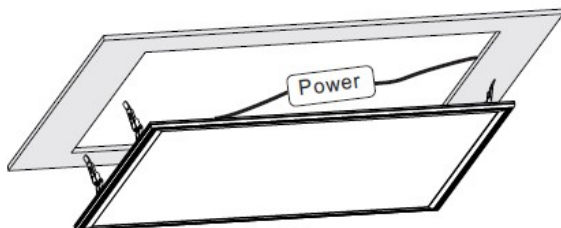
B. Embedded Installation by Spring clip



1.Punch relative size in the ceiling (all punches dimension should 15mm smaller than the panel light actual size).



2.Fasten the hook adapter to the back holder of the panel light.

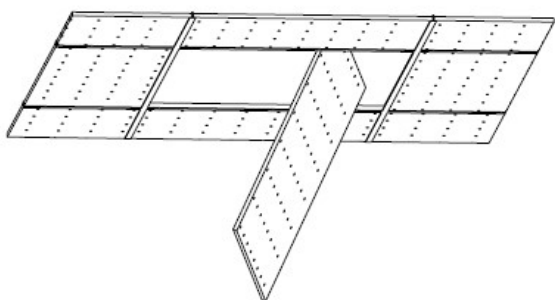


3. Connect to the power supply, pull the hook adapter, embed the hook adapter into the ceiling inner side.

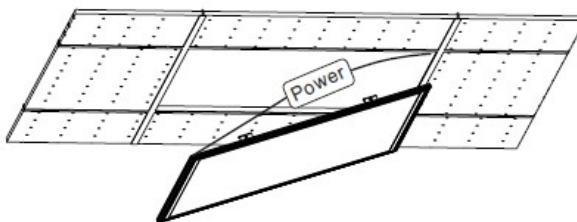


4.Finish installation, power on working.

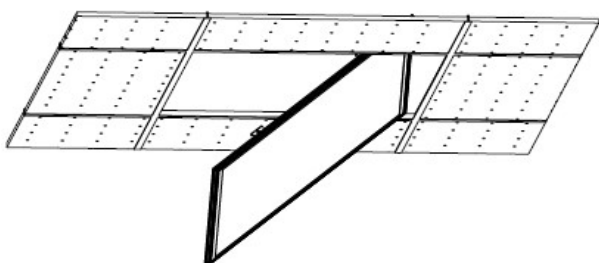
C. Recessed mounting (ceiling embedded)



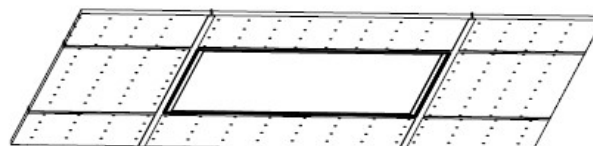
1. Take off one plaster board from the ceiling.



2. Connect the panel light with the power supply cable.

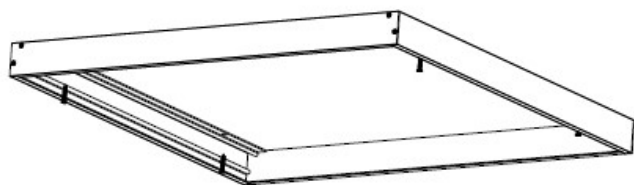


3. Put the panel light inclination into the framework.

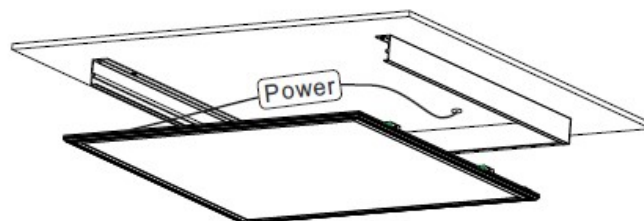


4. Finish installation, power on working.

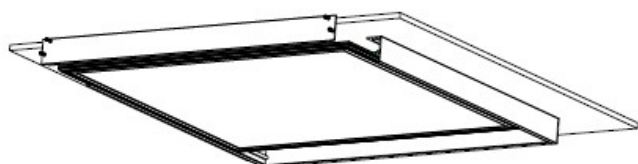
D. Surface mounting



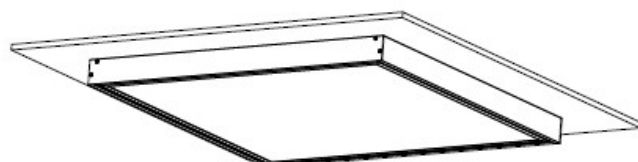
1. Assemble the ceiling conversion frames , fix on the ceiling.



2. Open the conversion frame with screw side, connect to the power supply cable..



3. Insert the panel light from the open side of the conversion frame and fix the open side back to the conversion frame.



4. Finish installation, power on working.