LED PANEL (300X300)

(**Constant-voltage: 24V**)

U-PL-5050RGB-33-24V

SECOND GENERATION PRODUCT

Made by	Checked by	Version
Musitafa	Mandy	2010.08.24

CE ~~Pb~~ ROHS ⌂ IP20

LED Panel 300X300:

Features:

➢ Energy saving up to 50%.even lighting output.

➢ Low voltage: DC 24V.

➢ Instant start, no flicking, no humming.

➢ Special circuit design, each group of LEDs work separately, avoiding any problem of lighting output caused or influenced by single faulty LED.

➢ No RF interference.

Photo:

LED panel second generation product features

LED PANEL SPECIFICATIONS		
NUMBER	ITEM	DESCRIPTION
01	Input voltage	AC 100~240V
02	Panel Input voltage	DC 24V
03	Power consumption	13W
04	luminous flux	128 lm(R) 265 lm(G) 160 lm(B)
05	Color	RGB
06	Life time	>50,000 Hour
07	Operating temperature	-20ºC to + 50ºC
08	Storage temperature	-30ºC to + 60ºC
09	Certificates	CE . RoHS
10	Weight	1.1 KGS
11	Size	295X295X10.4 mm
12	Water proof	IP20

Part number	Color	Voltage	Power	Luminous Flux
U-PL-5050RGB-33-24V	Red	DC 24V	13 W	128 lm
	Green			265 lm
	Blue			160 lm

LED Lumen Attenuation:

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

Panel Size:

Front

295±0.5 mm

295±0.5 mm

23 mm

Rounded

10.4 mm

Anode   Cathode   Cathode   Anode
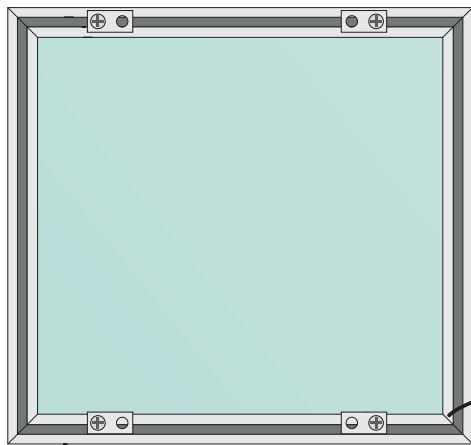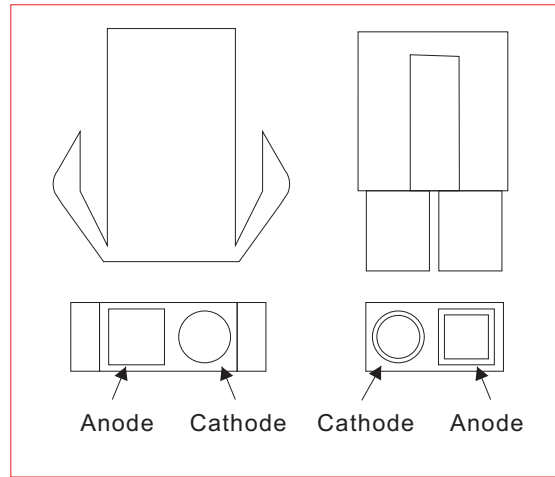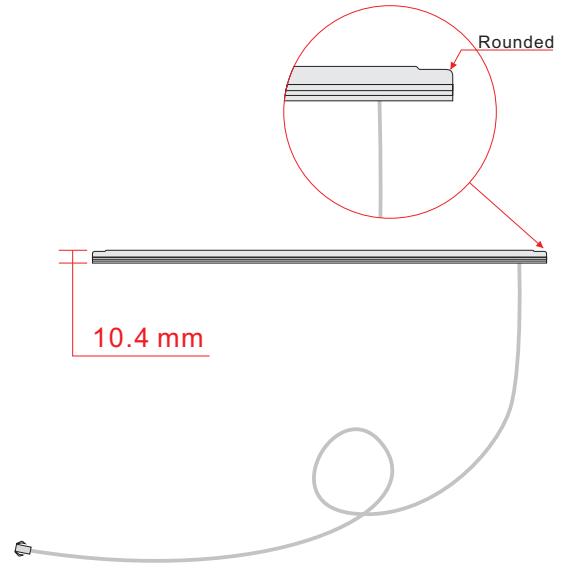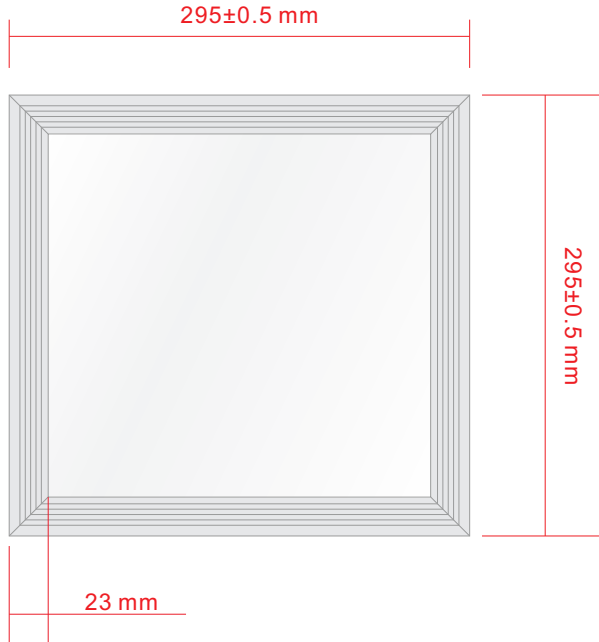
Back

All dimension units are in millimeters ±0.5mm
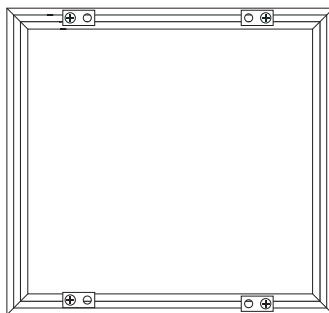
Power supply

(AC100~240V IN)

Packing

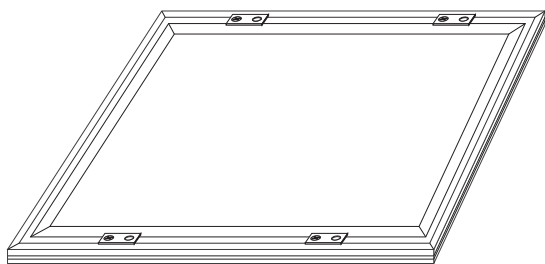Outer sarton: 35X31X6 cm

Net weight of each panel: 1.1 KG

Packing Qty: 2 pcs
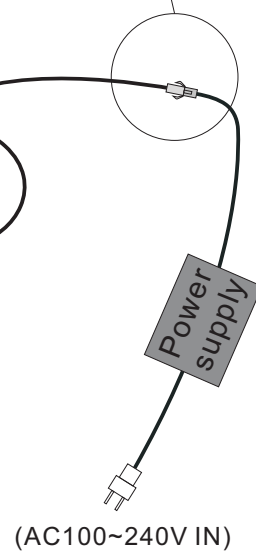
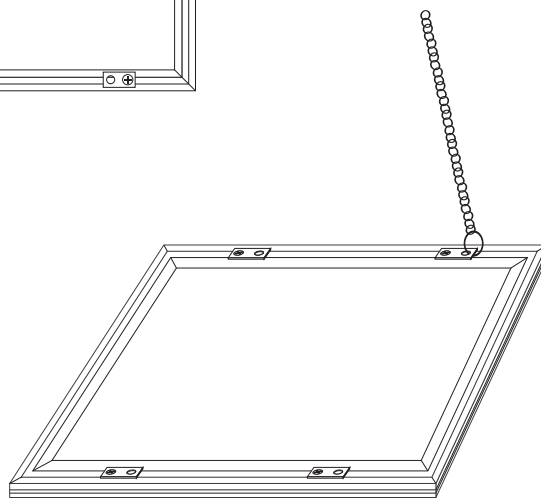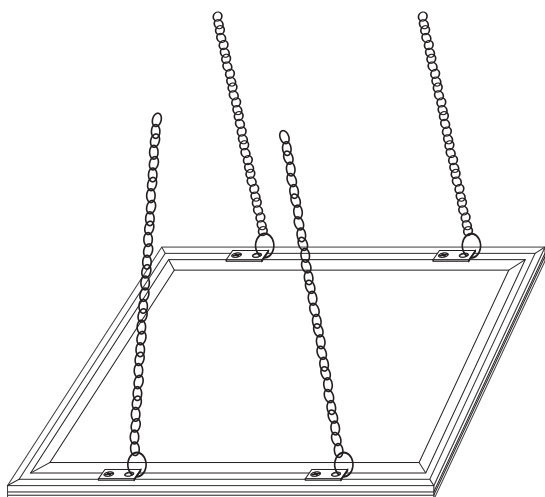# LED Panel light installing standard configuration:

LED Panel hanging installation:

（Step1）LED panel back picture.

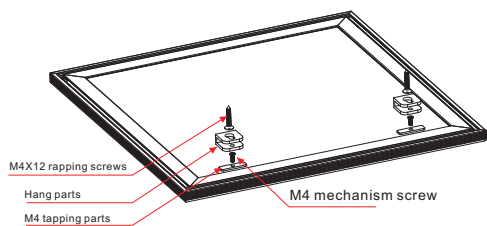(step 2) Fixing the chains of the accessories to the mounting holes which are in the back of the panel light.
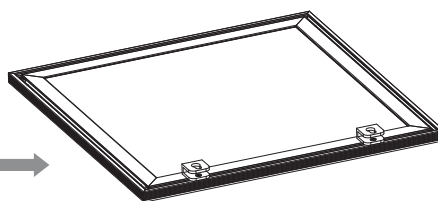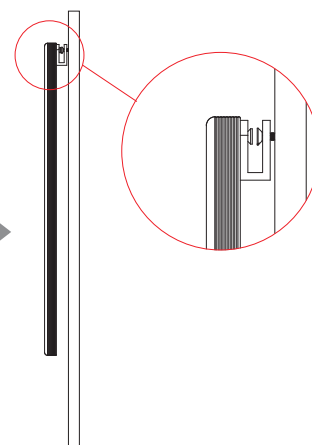
(step 3) Fixed picture.

(step 4) Rendering.

LED panel hanging installation in wall:

M4X12 rapping screws

Hang parts

M4 tapping parts

M4 mechanism screw

（Step 1）Put the M4 tapping into the sliding chute of panel in the back. Align M4 to the M4 tapping hole, and then fix it with screws.
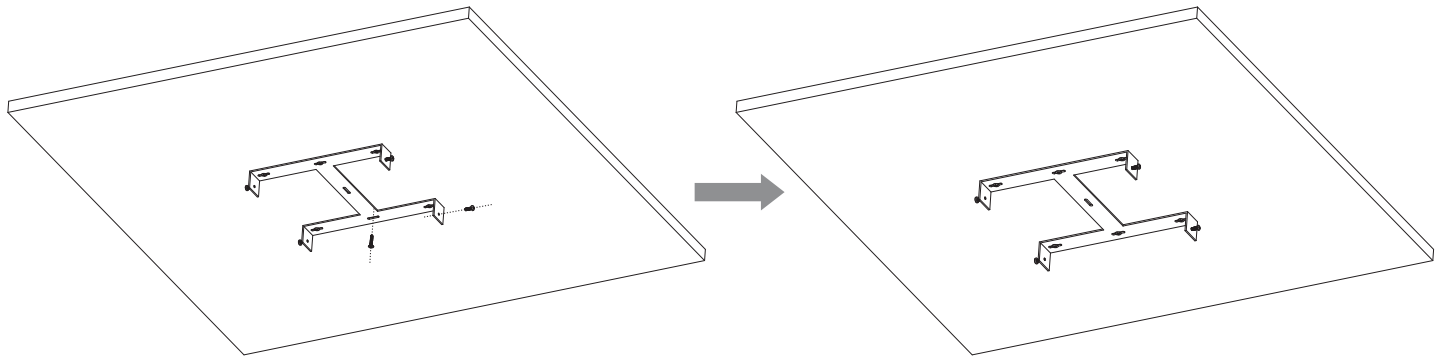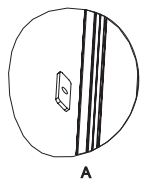
（Step2）The rendering after fixing to the panel.

（Step3）The rendering after hanging to the wall.
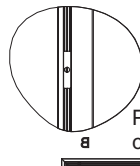
LED Panel embedding in ceiling installation:

（Step 1）Ceiling fixed part.

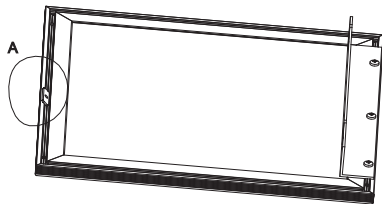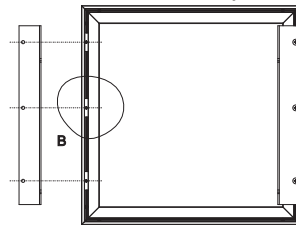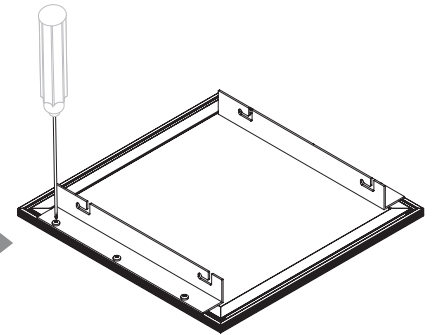（step 2）Twist the both sides of Mechanism screws into the fixed part about 3mm
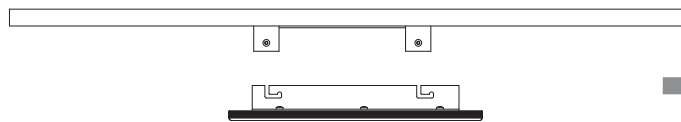

M4 tapping
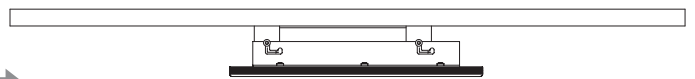
Place M4 tapping correctly

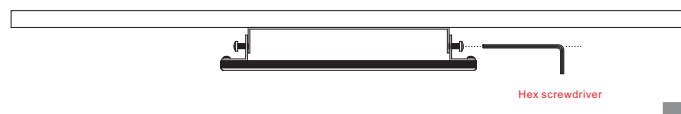（Step 3）Put in M4 tapping

（step 4）Place the M4 tapping correctly

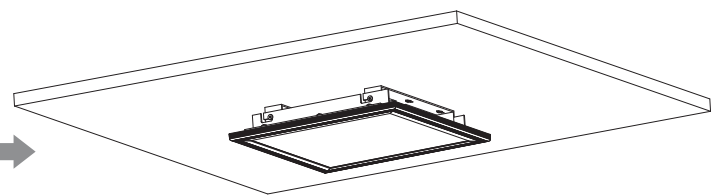（step 5）Align the side of the sliding chute with M4 tapping screw holes. Fix the M4 screws

（Step 6）Align the sliding chute with fixed part, then twist the screws into 3mm.

（Step 7）Sliding into semicircular sliding chute area

Hex screwdriver

（Step 8）Twist the screws of the left and right side of the fixed part tightly
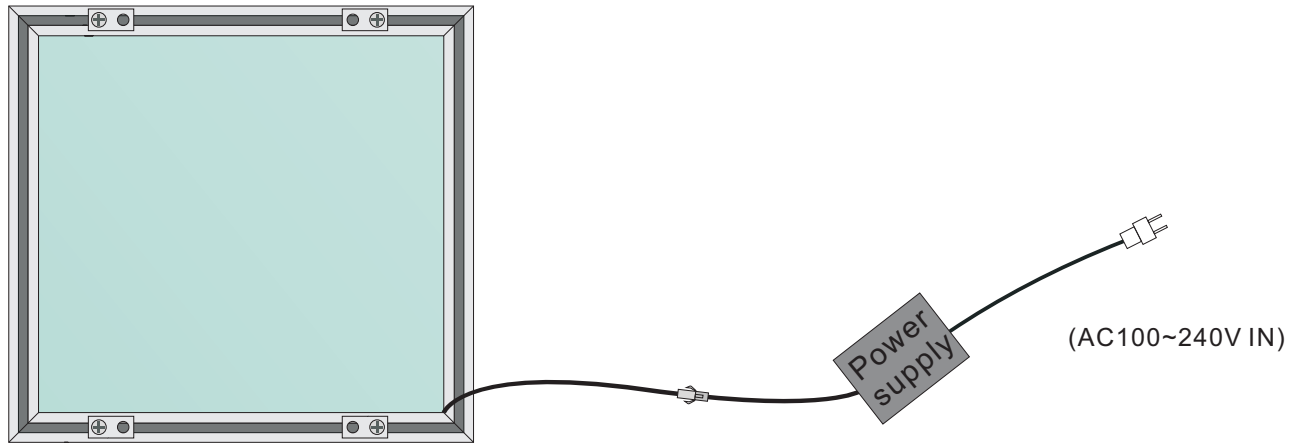
（Step 9）The rendering after installed

Application:

The product is energy-saving, the surface is all made of aluminum production, it has a good cooling system, easy installation, high-grade appearance , All above installations are suitable for office, conference room, classroom, shopping mall, Toilet, restaurant, museum, exhibition hall, corridor, lighting, jewelry, hotel, household lighting, etc.

Customer optional installation:

Installation classification	Material	Remarks
LED panel standard installation	Aluminium	General shipping(without order instruction)
LED panel hanging installation	Aluminium	Order instruction
LED panel hanging installation in wall	Aluminium	Order instruction
LED panel embedding in ceiling installation	Aluminium	Order instruction

Panel power supply connection :

LED panel power supply connection

(AC100~240V IN)

Take on controller control more than one-sided panel power supply connection :

Use max 500W

POWER SUPPLY
DC 24V

+ −

Controller

V
R
G
B

Signal IN   Signal OUT

V   V
R   R
G AMPLIFIER G
B   B

Use max 500W

AC220V IN
POWER SUPPLY

+

DC24V OUT −

Signal IN   Signal OUT

V   V
R   R
G AMPLIFIER G
B   B

Use max 500W

AC220V IN
POWER SUPPLY

+

DC24V OUT −

Continuous
connection