DINAM

Dinam LED Limited, Dynamic lighting for colorful life

PRODUCTS SPECIFICATION

Diamond Frameless panel light

LD-PA-DM2835W-R

(Constant-voltage: DC 24V)

Made by	Checked by	Version
JiangHan	ZhangXiaoqiang	2013.03.06

CE Pb ROHS IP52

Dinam LED Limited

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.

- The light guide plate embedded in the aluminum profile, and can not see the frame.
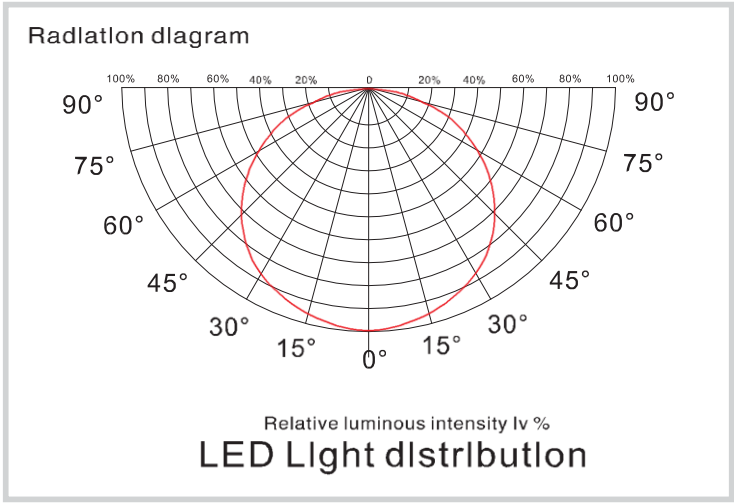
Photo:
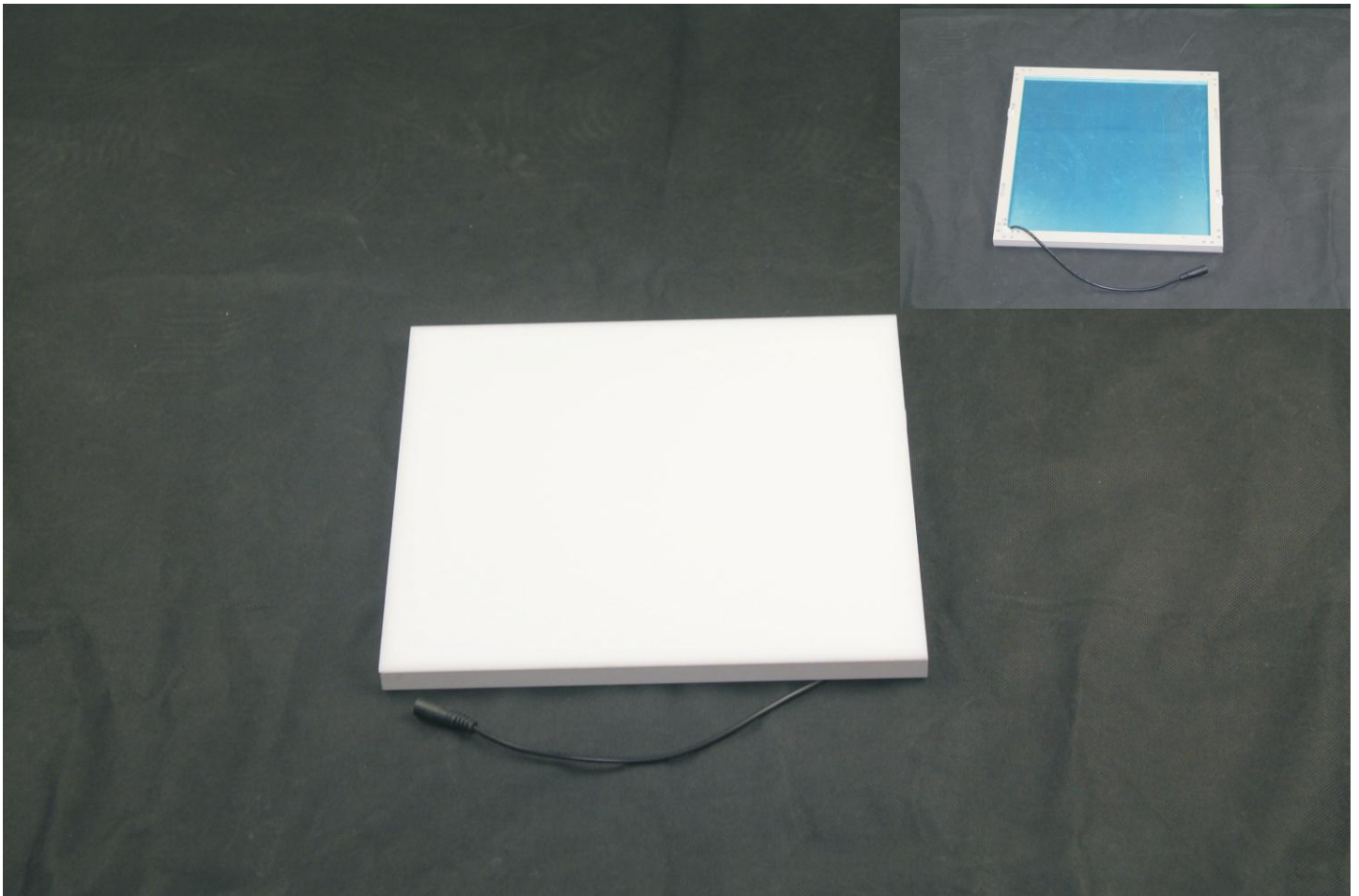
LED panel second generation product features

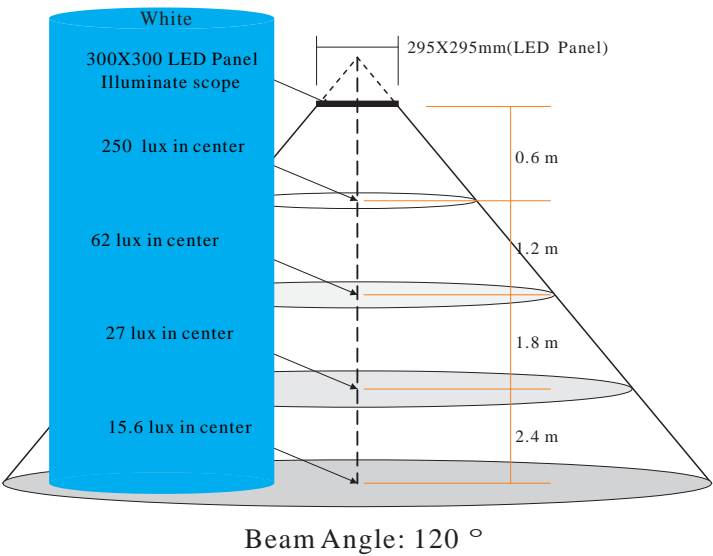| NUMBER	ITEM	DESCRIPTION
01	Input voltage	AC 100~240V
02	Panel Input voltage	DC 24V
03	Power consumption	14 ±10%W
04	luminous flux	>850 lm(white) >800lm(warm white)
05	Color	White Warm white
06	Color temperature	2500~4000k(Warm white) 4000~7000k(White)
07	Life time	>50,000 Hour
08	Operating temperature	-20 ℃ to + 50 ℃
09	Storage temperature	-30 ℃ to + 60 ℃
10	Luminosity	>62 Lux(1.2meter, White) >59 Lux(1.2meter, Warm white)
11	Certificates	CE RoHS
12	Size	295X295X16.2 mm
13	Water proof	Ip52
14	Weight	1.4KG

LED Lumen Attenuation:

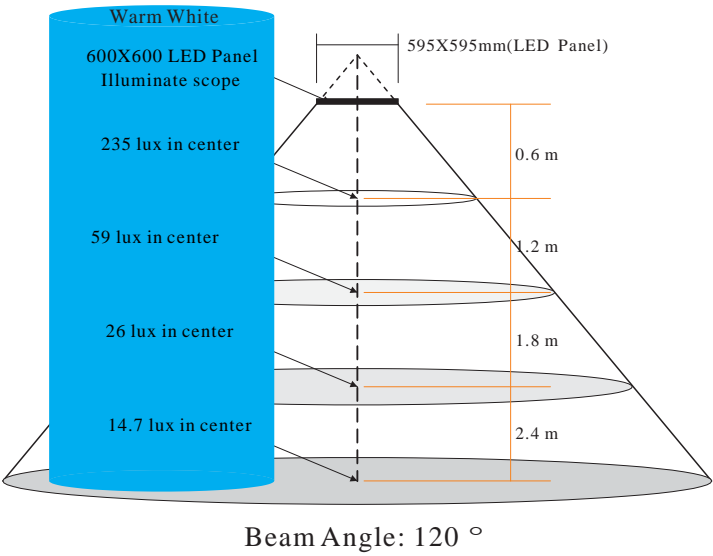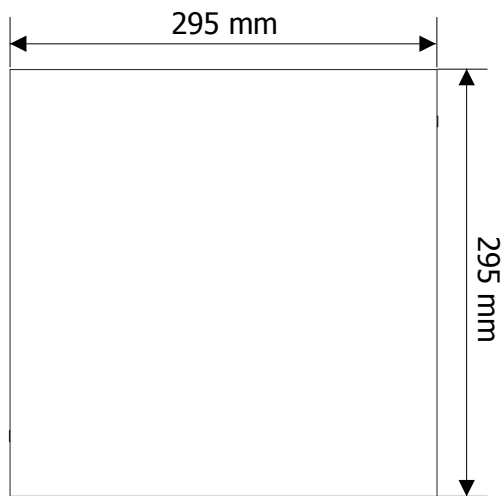| Operating time(hours)	Lumen decrease(%)
5,000	2.3
10,000	5.4
20,000	11.5
50,000	25.2

Light Distribution Graph

Radlatlon dlagram

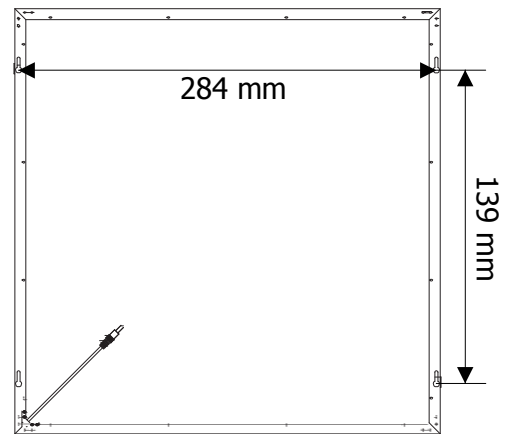100% 80% 60% 40% 20% 0 20% 40% 60% 80% 100%

90°   90°
75°   75°
60°   60°
45°   45°
30°   30°
15°   0°   15°

Relative luminous intensity Iv %

LED Llght dlstrlbutlon

Illumination Cone Curve: (White)

White

300X300 LED Panel
Illuminate scope

295X295mm(LED Panel)

250 lux in center

0.6 m

62 lux in center

1.2 m

27 lux in center

1.8 m

15.6 lux in center

2.4 m

Beam Angle: 120 °

Illumination Cone Curve: (Warm White)

Warm White

600X600 LED Panel
Illuminate scope

595X595mm(LED Panel)

235 lux in center

0.6 m

59 lux in center

1.2 m

26 lux in center

1.8 m

14.7 lux in center

2.4 m

Beam Angle: 120 °

Panel Size:

295 mm

295 mm

Front

284 mm

139 mm

Back

16.2mm

Side

How to install

1.LED Panel Hanging Installation In Wall

Wall

LED Panel

Hanging hole

Power connector

4*12
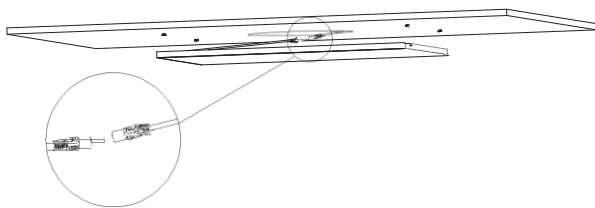Tapping Screw
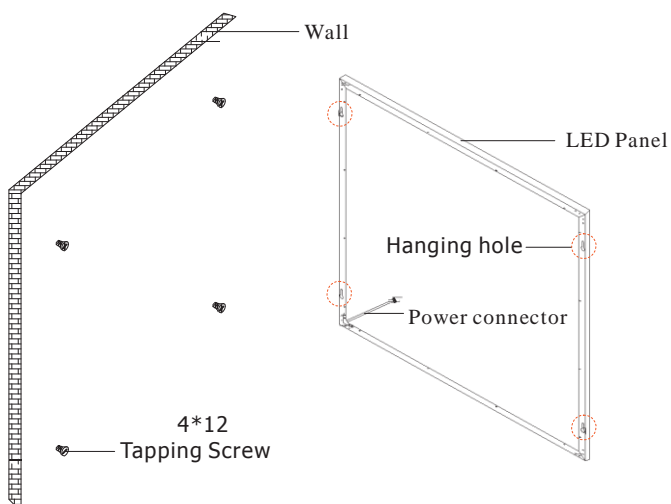
Fasten the 4*12 Wafer Head Self Tapping Screw on the wall, aim the hanging holes on the back of the frame, then let the screws slip into to the end of the hole from the big side.
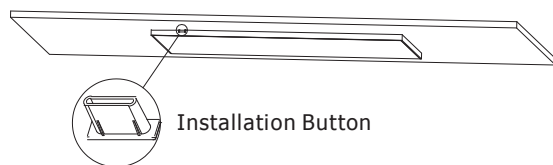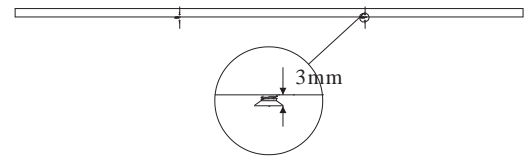
2.LED Panel Hanging Installation In Ceiling
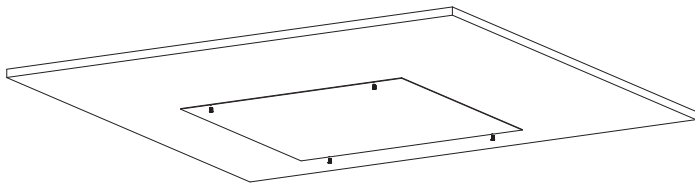
1．Take the paper out of the product packing boxes. Install the four screws on the lamps position of the ceiling top according to the hole position on the paper. The dimension of the screw is 4*12mm flat head self-tapping screw．

2.Fix the screw on the ceiling top according the hole position on the paper. Take off the paper, put the screw head flat 3mm distance from the ceiling head surface. The four screws should be in consistency. The screw on the ceiling top should be vertical．

The aluminium bar chute hole on the back of the lamps
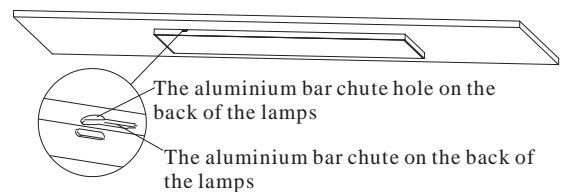
The aluminium bar chute on the back of the lamps

3.The drive power line on connecting products, the product is of low-volt input, it needs to be linked with the special power, don't turn on the lamps with the high-volt electricity directly．

4.Put the four chute holes on the back aluminium bars of the lamps directly to the four screws on the ceiling top. Hold the screw heads to the four holes on the aluminium bar, and slide it 12mm distance towards the aluminium bar chute directions.

Installation Button

5．Buckle the installation button into the aluminium bar's side hole, put on the electricity to turn on it, finish the installation．

3.Panels hang type(steel wire rope)installation
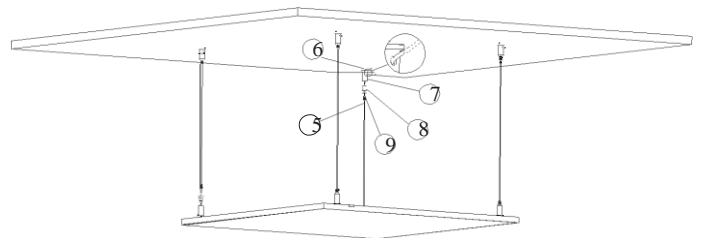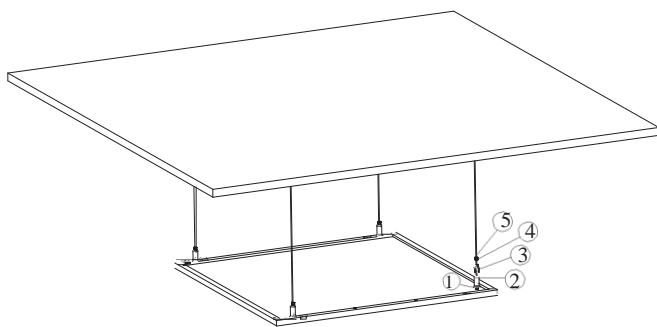
1. Fasten the No. 2 cable fixed head with the KM4*8 screws to the lighting fixtures.

2. Let the steel wire go through the No.3 and No.4 cable fixed head according the drawing. Pull the steel wire to the clip on another end.

3. Fasten the No.3 and No.4 cable fixed head, connect the wire to the lighting fixtures

4.Fasten the No.7 cable fixed head to the ceiling by the KA4*16 mm screws.

5.Let the steel wire go through the No.8 and No.9 cable fixed head according to the drawing. Pull out the steel wire from the No.7 cable fixed head.

6.Tighten No.8 cable fixed head, adjust the length of each steel wire to make sure the lighting fixture is horizontal.

7.Connect the wire to the power supply, the installation is completed.

Panel power supply connection :

LED panel power supply connection

Power supply

(AC100~240V IN)
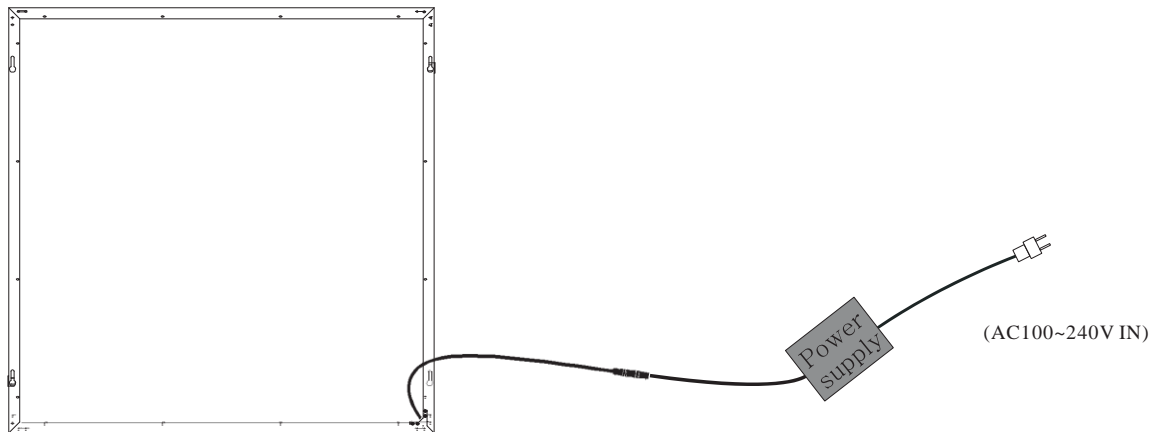
Take on dimmers control more than one-sided panel power supply connection :

POWER SUPPLY

DC 24V

+   −

Continuous
connection