LED Panel Light (UGR<19)
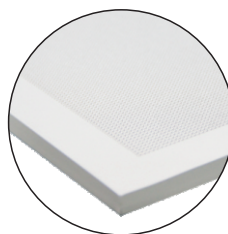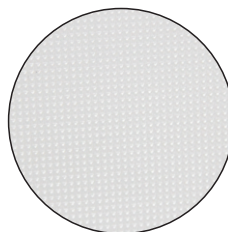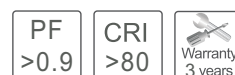
1. Flat frame with Ral9003 white color, no any slight gap at the junction pant.

2. Specially designed Micro prismatic diffusor ensures UGR19 of light distribution.

| PF >0.9 | CRI >80 | Warranty 3 years |

Description

LED Square Panel Light . Using Light Guide Plate, it has the feature of uniform and smooth light beam,low glarerating, low light pollution, and excellent protection from eyestrain. It can be widely used as interior lighting in shops, supermarkets, malls and hospitals, etc

Features

1.Visual uniformity

● The edge-lit LED panels blend with various ceiling details and produce soft natural light

2.Low glare lighting

●The edge mounted LEDs give even glare free special illumination.It produces a comfortable lighting environment.

3.LED efficiency

● High lumen LED efficacy paired with high power factor drivers reduce operating cost.

4. Luminaire construction

● A powder coat painted extruded aluminum frame encompasses the perimeter of multi-layered acrylic panel system.

5.Cost and energy saving

●50% more energy saving effect than fluorescent tubes.

●Low heat generation,extra energy saving effect through reduction of HVAC load.

●Easy installation:only 3 steps in 2 minutes,labor cost saving

●Around 9mm lamp body with very light weight,space and transportation cost saving

6.Long life time

●More than 50,000 hours life time and 3 years warranty.

Specifications

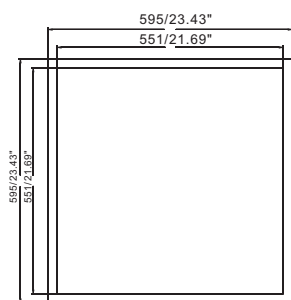| Model	CCT	Color	LED Type	Lumen(lm) (±10%)	CRI	Beam angle	Power(W) (±10%)	Voltage (V)	Weight (Kg)	Current (A)	PF
SC-PSC24CE6060-F35W-01	5000K	cool white	2835	2604lm	>80	110°	35W	AC100-277V 50/60Hz	3.37	0.5	>0.95
SC-PSC24NE6060-F35W-01	4000K	nature white		2845lm	>80	110°					
SC-PSC24WE6060-F35W-01	3000K	warm white		2430lm	>80	110°					
SC-PSC24CE6060-F45W-01	5000K	cool white	2835	3234lm	>80	110°	45W	AC100-277V 50/60Hz	3.37	0.5	>0.95
SC-PSC24NE6060-F45W-01	4000K	nature white		3340lm	>80	110°					
SC-PSC24WE6060-F45W-01	3000K	warm white		3040lm	>80	110°					

Applications

F Series Square Panel Light can be used in hotels,meeting rooms,factories,offices, commercial purposes,residential,institution buildings,schools,hospitals,places which needs energy saving and high color rendering index lighting.

Dimensions (Unit: mm/inch)

595*595mm

595/23.43"
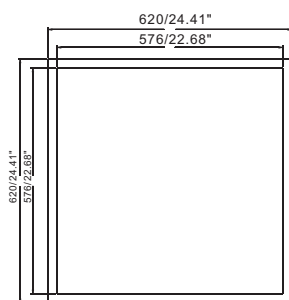551/21.69"
595/23.43"
551/21.69"
9.0/0.35"

600*600mm

600/23.62"
556/21.89"
600/23.62"
556/21.89"
9.0/0.35"

620*620mm

620/24.41"
576/22.68"
620/24.41"
576/22.68"
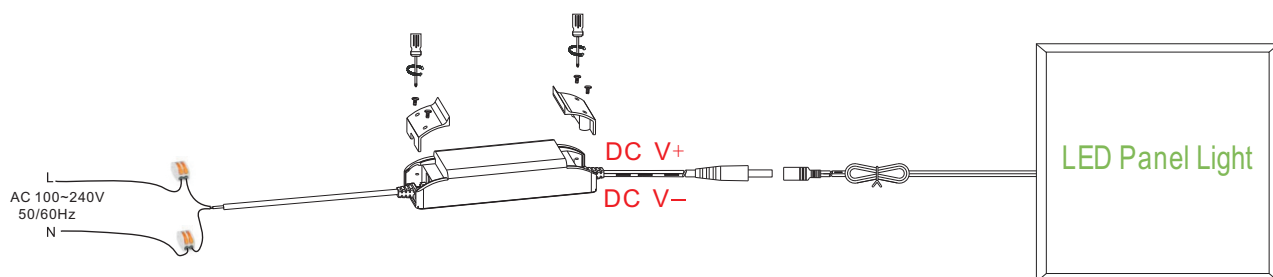9.0/0.35"
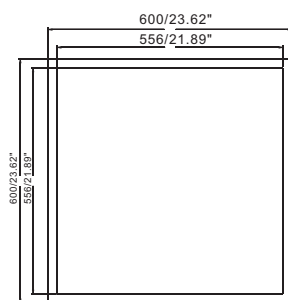
All dimension tolerance is ±0. 5mm unless otherwise noted.

Test report for UGR (for more reports pleaes contact sales)

Test : U : 222.2V I:0.1680A P:34.80W PF:0.9300 Lamp Flux:2429.61x1 lm		
NAME: SC-PSC24WE6060-F35W	TYPE:Panel Light	WEIGHT:3.37 Kg
DIM.: 600*600*9.0(MM)	SPEC.:35W	SERIAL No.:01
MFR.: Signcomplex	SUR.:580*580MM	PROTECTION ANGLE:120

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	viewed crosswise					viewed endwise				
X = 2H y = 2H	13.7	15.1	14.0	15.3	15.5	14.6	16.0	14.8	16.2	16.4
3H	15.0	16.3	15.3	16.5	16.8	15.7	17.0	16.0	17.2	17.4
4H	15.6	16.8	15.9	17.1	17.3	16.2	17.5	16.6	17.7	18.0
6H	16.1	17.3	16.4	17.5	17.8	16.7	17.9	17.0	18.1	18.4
8H	16.3	17.4	16.6	17.7	17.9	16.9	18.0	17.2	18.3	18.6
12H	16.4	17.4	16.7	17.7	18.0	17.0	18.1	17.4	18.4	18.7
4H 2H	14.1	15.3	14.4	15.5	15.8	14.8	16.0	15.1	16.2	16.5
3H	15.5	16.6	15.9	16.9	17.2	16.1	17.1	16.4	17.4	17.7
4H	16.3	17.3	16.7	17.6	17.9	16.8	17.7	17.1	18.0	18.4
6H	17.0	17.9	17.4	18.2	18.6	17.5	18.3	17.9	18.7	19.0
8H	17.3	18.1	17.7	18.4	18.8	17.8	18.6	18.2	18.9	19.3
12H	17.4	18.1	17.8	18.5	18.9	18.0	18.8	19.4	19.1	19.5
8H 4H	16.6	17.4	17.0	17.8	18.1	17.0	17.8	17.4	18.1	18.5
6H	17.5	18.1	17.9	18.5	19.0	17.8	18.5	18.2	18.9	19.3
8H	17.8	18.4	18.3	18.8	19.3	18.2	18.8	18.6	19.2	19.6
12H	18.1	18.6	18.6	19.1	19.5	18.6	19.1	19.1	19.5	20.0
12H 4H	16.6	17.3	17.0	17.7	18.1	17.0	17.7	17.4	18.1	18.5
6H	17.6	18.1	18.0	18.6	19.0	17.9	18.5	18.3	18.9	19.3
8H	18.0	18.5	18.4	18.9	19.4	18.3	18.8	18.8	19.3	19.7

Variations with the observer position at spacings:		
S = 1.0H	+ 0.4 / - 0.4	+ 0.4 / - 0.5
1.5H	+ 0.4 / - 0.6	+ 0.2 / - 0.6
2.0H	+ 0.5 / - 0.5	+ 0.3 / - 0.5

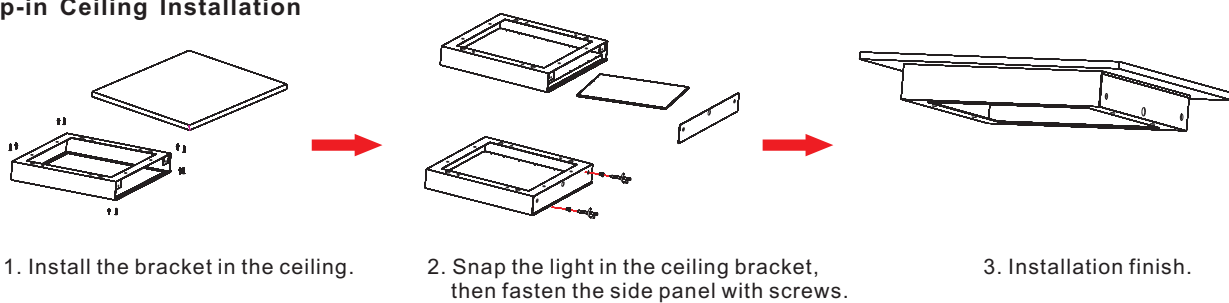CIE Pub.117 Corrected 2430 lm Total Lamp Luminous Flux.(8log(F/FO) =3.1)
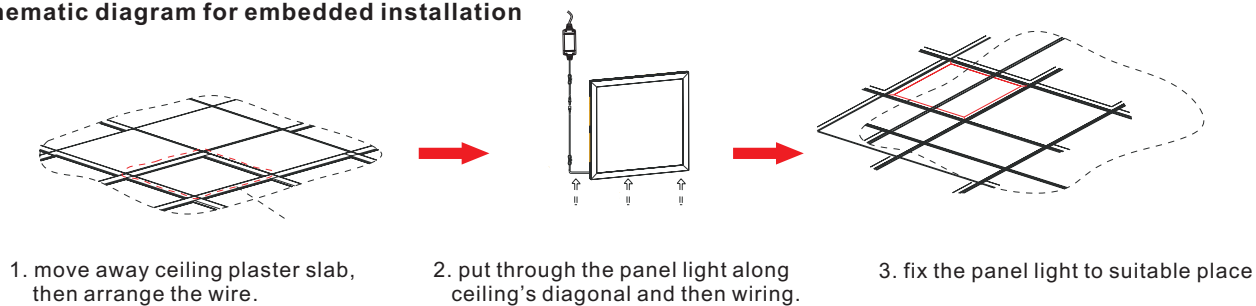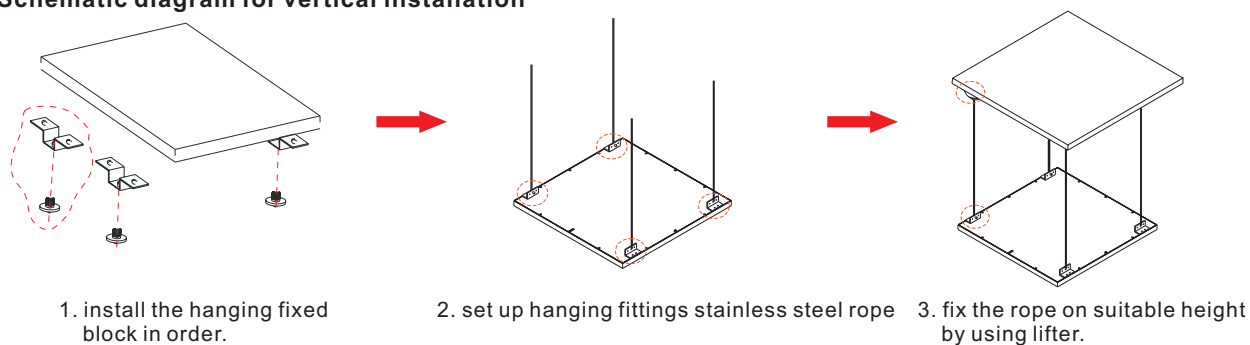
Electrical Connection

AC 100~240V
50/60Hz
L
N

DC V+
DC V−

LED Panel Light

Installation Drawing

Snap-in Ceiling Installation

1. Install the bracket in the ceiling.

2. Snap the light in the ceiling bracket, then fasten the side panel with screws.

3. Installation finish.

Schematic diagram for embedded installation

1. move away ceiling plaster slab, then arrange the wire.

2. put through the panel light along ceiling's diagonal and then wiring.

3. fix the panel light to suitable place

Schematic diagram for vertical installation

1. install the hanging fixed block in order.

2. set up hanging fittings stainless steel rope

3. fix the rope on suitable height by using lifter.

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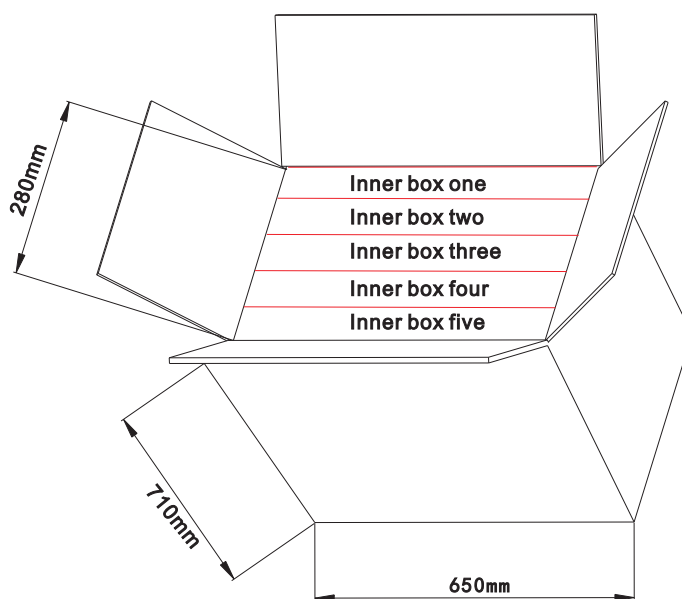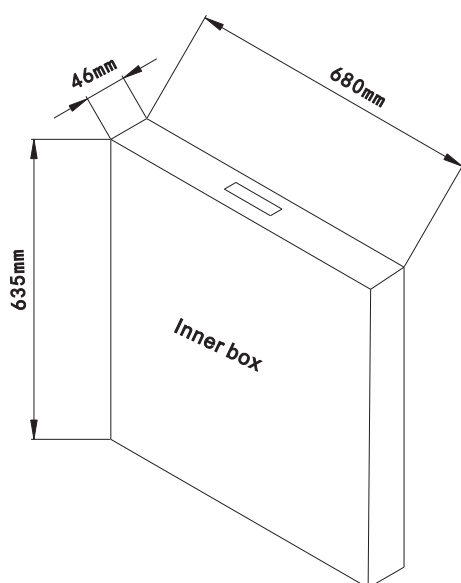## Signcomplex | We bring innovation and give inspiration

Product packaging information:

1. Net weight: 3.37kg
2. Gross weight/Carton: 22.82 kg
3. Packing size: 650X280X710mm
4. 5pcs inner boxes in one carton.

All dimension units are millimeter.

46mm

680mm

635mm

Inner box

280mm

Inner box one
Inner box two
Inner box three
Inner box four
Inner box five

710mm

650mm

⚠ Notice

1.Please read the specification first, to make sure the service environment matches the condition in the specification before using.

2.Please confirm the applicable power supply before using.

3.Make sure the switch of product is off before connect to the power supply to prevent electric shock.

4.Operation against rules may damage your property even harm to your personal safety.

5.Preliminarily estimate required quantity of LED panel lights, then according to the power rating of single panel light to figure out the

total power and design power supply plan.

6.Dangerous high voltage, Non-professionals are not allowed to maintain the products.

7.If the exterior flexible cable or wire is damaged, it must exchange by the supplier, its agent or other similar qualified personnels to

avoid dangers.