luzon lighting™

Technical Application

LED Pendant Light

LUZ-PL6012-35W-W

Introduction

Pendant led light acts as a decorative light in most applications. Elegant design creates soft lighting effect, suspended installation with adjustable mounting height, perfect for hotels, restaurant, coffee shop etc. 400mm, 600mm diameter for wide choice.

- Up to 80% energy saving compared to standard CFL
- Long lifetime of 40,000 hours
- 120° wide beam angle
- CCT: 3000K 4000K
  5000K 5700K
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances

Application notes

- IP40 for indoor use only
- Professional electrician for installation only
- Switch off before installation
- Do not touch when in use
- Keep away from hot steam and corrosive gas

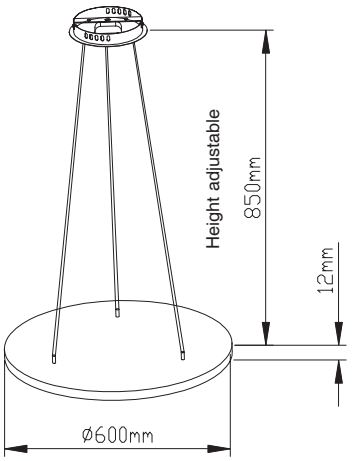
Application Areas

It is widely used for various commercial and residential lighting applications, such as office, hotel, restaurant, home lighting etc.

Certificates

CE RoHS SAA APPROVALS

Product Information



Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
LUZ-PL6012-35W-W	AC100-240V	35W	≥0.9	2830	120°	3000K	40000h	≥80	No	Ø600*12mm
LUZ-PL6012-35W-W	AC100-240V	35W	≥0.9	2940	120°	4000K	40000h	≥80	No	Ø600*12mm
LUZ-PL6012-35W-W	AC100-240V	35W	≥0.9	3010	120°	5000K	40000h	≥80	No	Ø600*12mm
LUZ-PL6012-35W-W	AC100-240V	35W	≥0.9	3040	120°	5700K	40000h	≥80	No	Ø600*12mm
LUZ-PL6012-35WD-W	AC200-240V	35W	≥0.9	2800	120°	3000K	40000h	≥80	Yes	Ø600*12mm
LUZ-PL6012-35WD-W	AC200-240V	35W	≥0.9	2870	120°	4000K	40000h	≥80	Yes	Ø600*12mm
LUZ-PL6012-35WD-W	AC200-240V	35W	≥0.9	2900	120°	5000K	40000h	≥80	Yes	Ø600*12mm
LUZ-PL6012-35WD-W	AC200-240V	35W	≥0.9	2940	120°	5700K	40000h	≥80	Yes	Ø600*12mm

Driver data Sheet

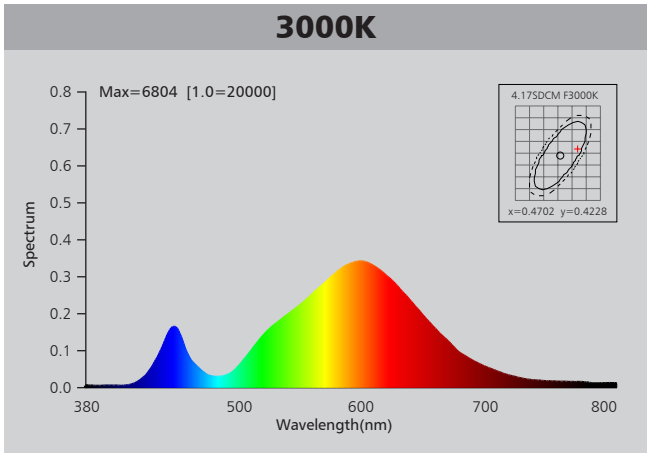
Driver data	Dim	Non-dim
Input rated Voltage	AC230V	AC100-240V
Frequency	50Hz	50/60Hz
Input Voltage	AC200-240V	AC85-265V
Efficiency	≥83%	≥86%
Total load Wattage	35W±5%	35W±5%
Power Factor	≥0.9	≥0.9
Rated input current	≤0.17A	≤0.39A
Full load output Voltage	DC35-40V	DC35-40V
Rated output current	780mA	800mA
Output current range	780mA±5%	800mA±5%
Tolerance	±5%	±5%
Current output tolerance	±5%	±5%
Dimming range	8%-100%	—
Dimmer	Triac dimmers	—
Short circuit protection	PASS	PASS
Over voltage protection	PASS	PASS
Over temperature protection	PASS	PASS
Withstand voltage	AC1500V	AC1500V

Fixture Compatibility

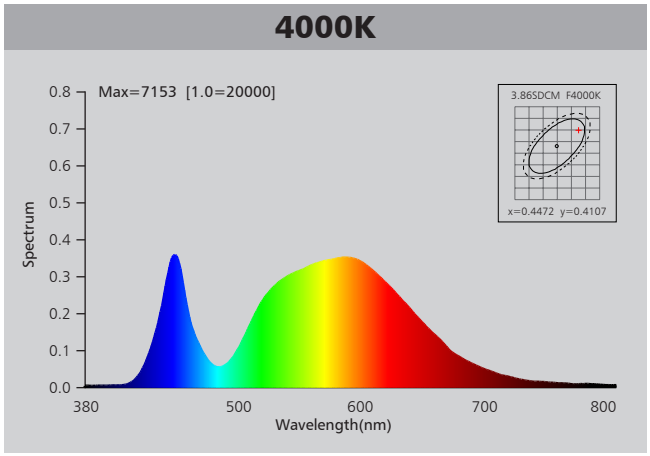
Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
35W	I	IP40	-20°C~45°C	0~90%	-20°C~65°C

Spectral Distribution

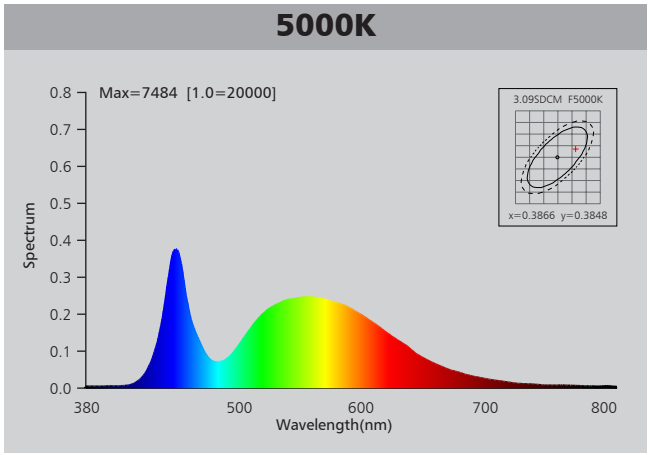
3000K



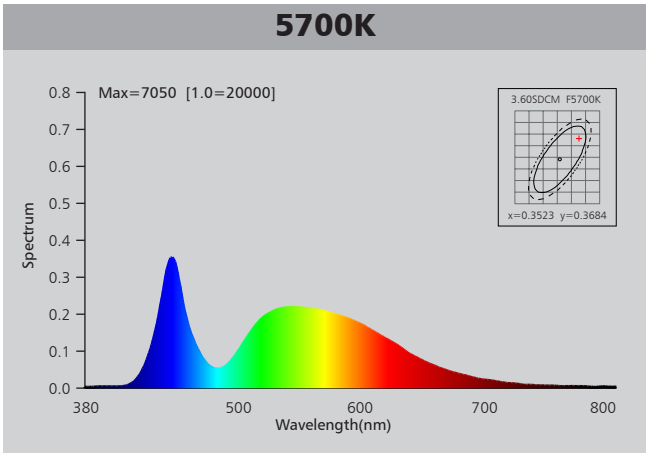
4000K



5000K

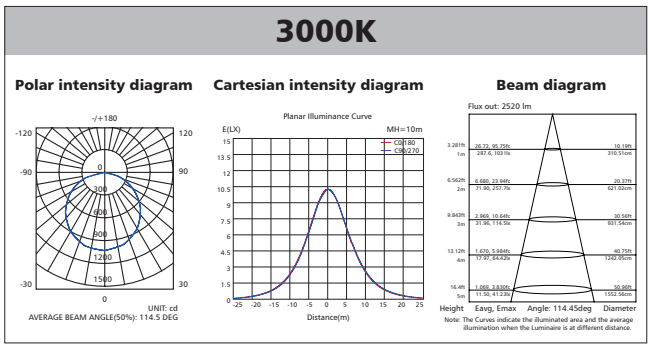


5700K

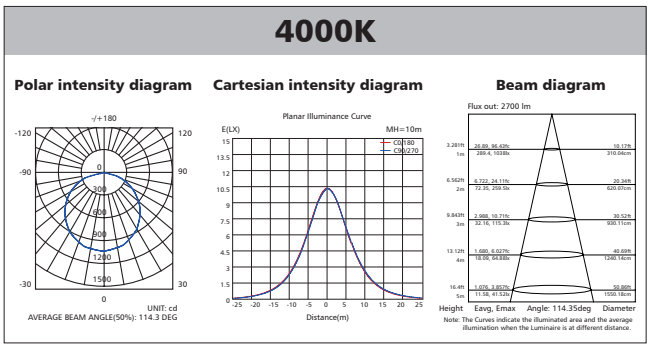


Photometric Diagram

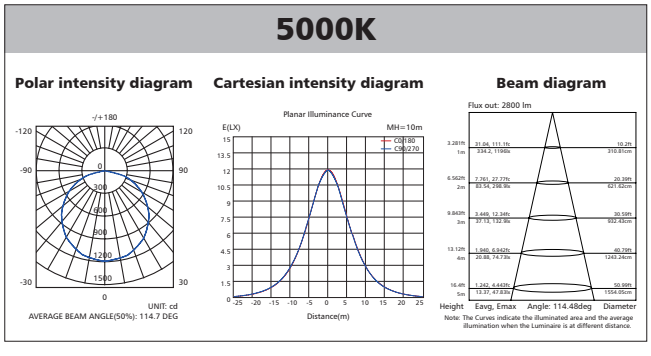
3000K



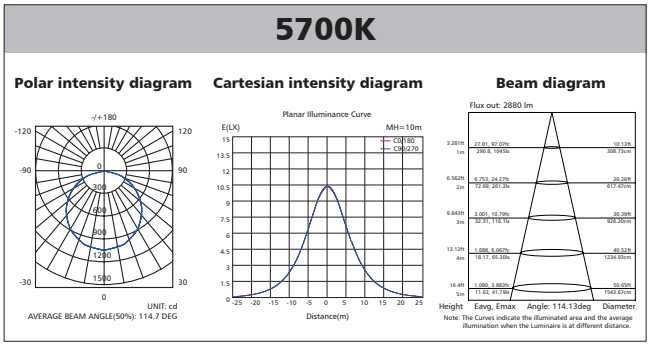
4000K



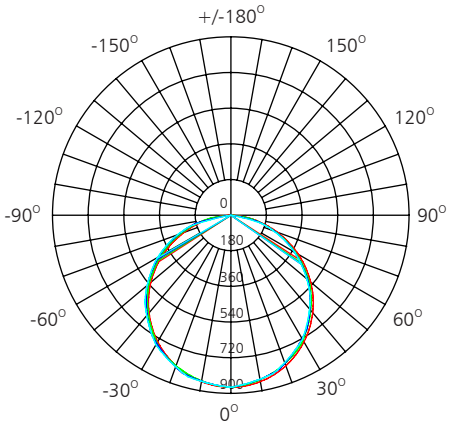
5000K



5700K



Polar Diagram Comparison

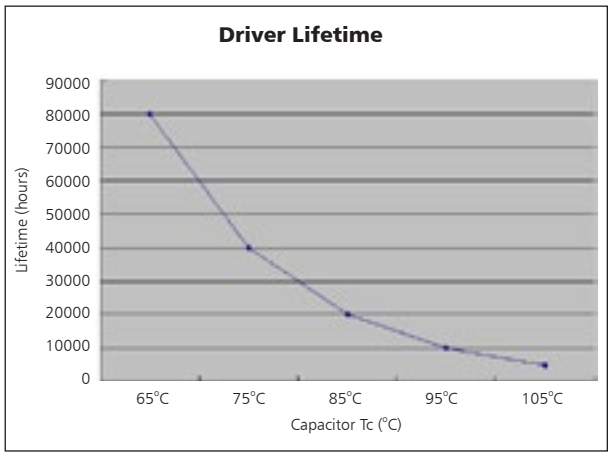


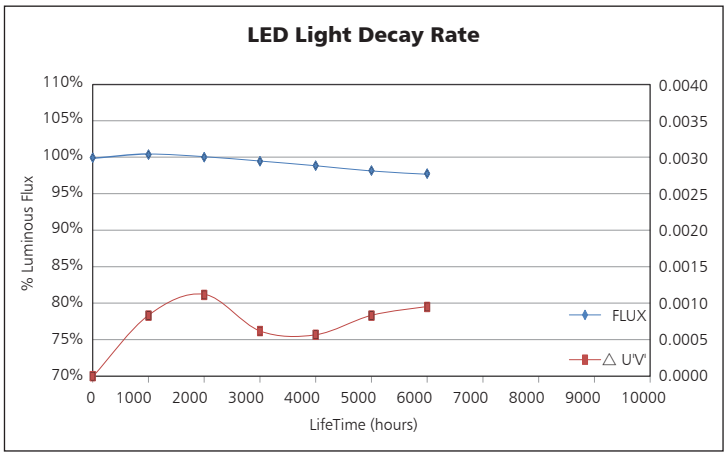
UNIT: cd

- C0/180, 114.2 deg
- C30/210, 113.8 deg
- C60/240, 114.2 deg
- C90/270, 114.6 deg

AVERAGE BEAM ANGLE (50%): 114.2DEG

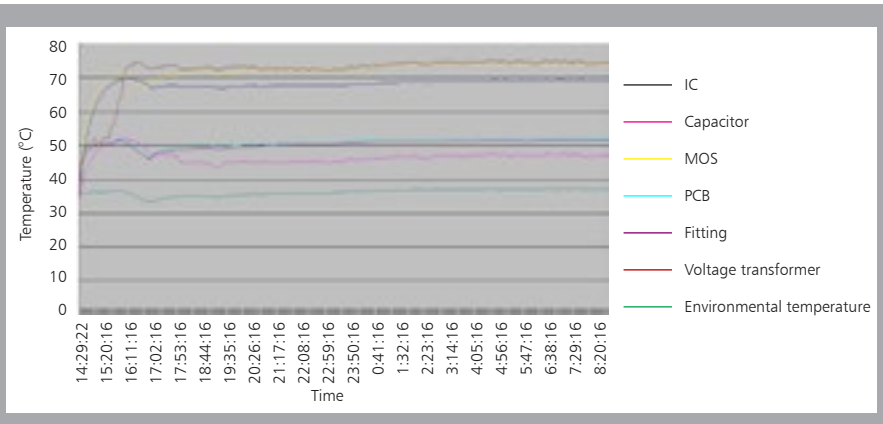
Driver lifetime & LED light decay rate





Temperature

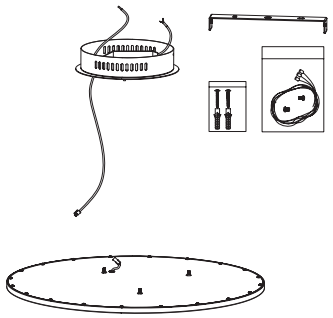
- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C



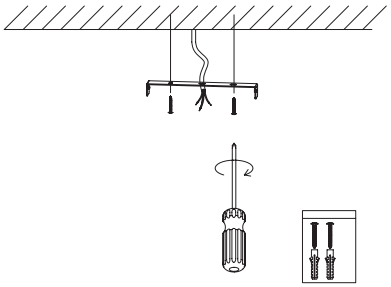
The driver lifespan is based on capacitor working temperature.

Installation

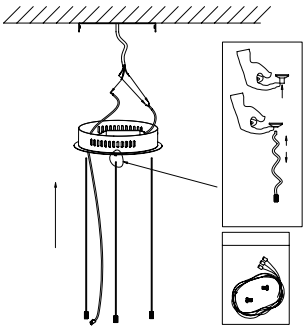
Wooden ceiling:



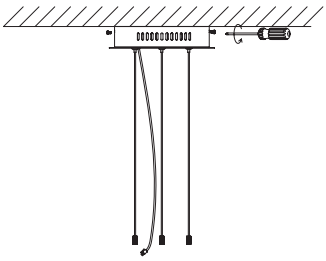
1. Unbox panel light and accessory pack.



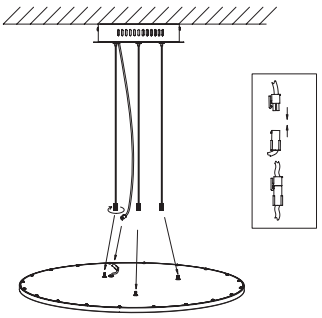
2. Switch off, fix bracket into ceiling with screw.



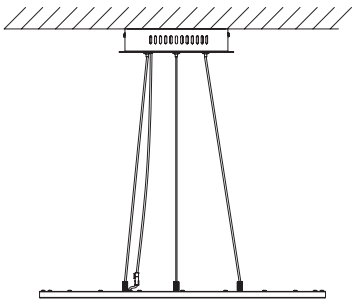
3. Insert the hanging wire into wall mount bracket; connect L/N/E to mains supply.



4. Fix the wall mount bracket into ceiling by screw.

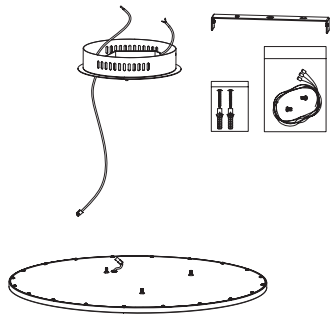


5. Hang panel to suspending rope and connect the DC connector

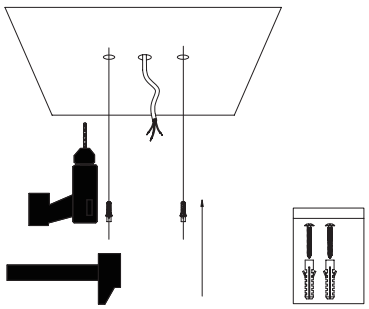


6. Adjust the length of hanging wire to proper height, Restore the power and switch on.

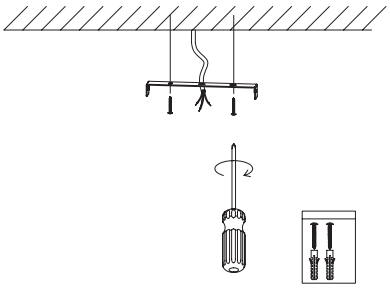
Concrete ceiling:



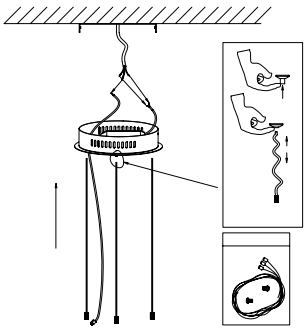
1. Unbox panel light and accessory pack



2. Power off, Punch holes and knock the plastic anchor into ceiling



3. Fix bracket into ceiling with screw.



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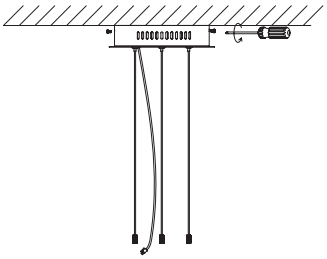

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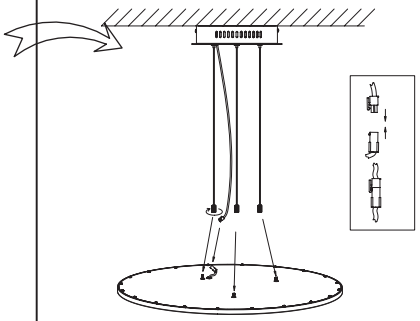

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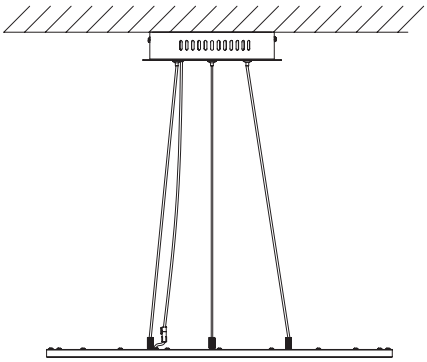
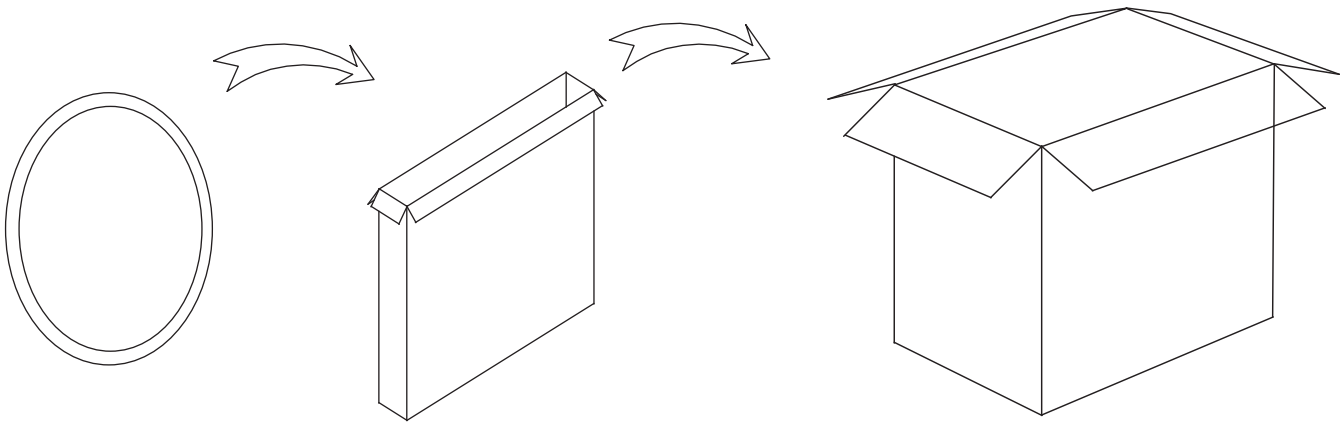


7. Adjust the length of hanging wire to proper height, Restore the power and switch on

Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	65.5*11.5*83	5.5	12.3	2

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	440	880	28
40" standard container	880	1760	56



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