



Up-shine® Lighting



Technical Application
Guide for UP-SHINE
LED Panel Light
UP-PL30120-45W-S3

Introduction



Up-shine led panel adopts high lumen SMD LED with CRI >80. Top branded driver comes with triac dim, 0-10V dim and DALI dim, it has perfect dimming range and shares great compatibility with worldwide famous brand dimmers.

The ultra slim profile fits seamlessly into any work place. It is available in various installation ways: embedded into ceiling, suspended with hanging wires, surface mounted in a concrete ceiling by using surface mounting frame.

- Up to 80% energy saving compared to standard CFL
- Long lifetime of 40,000 hours
- Triac dim, 0-10V dim, DALI dim
- 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

Office & school lighting: office room, meeting room, class room etc.

Commercial lighting: shopping mall, super market, retailer shops etc.

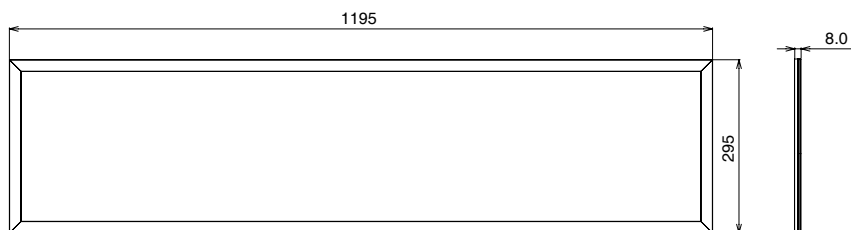
Other situations: hospital, laboratory, dust-free workshop etc.

Certificates

CE RoHS



Product Information



Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
UP-PL30120-45W-S3	AC230V	45W	≥0.9	3060	120°	3000K	40000h	≥80	No	1195*295*8mm
UP-PL30120-45W-S3	AC230V	45W	≥0.9	3240	120°	4000K	40000h	≥80	No	1195*295*8mm
UP-PL30120-45W-S3	AC230V	45W	≥0.9	3290	120°	5000K	40000h	≥80	No	1195*295*8mm
UP-PL30120-45W-S3	AC230V	45W	≥0.9	3330	120°	5700K	40000h	≥80	No	1195*295*8mm
UP-PL30120-45WD-S3	AC230V	45W	≥0.9	2950	120°	3000K	40000h	≥80	Yes	1195*295*8mm
UP-PL30120-45WD-S3	AC230V	45W	≥0.9	3150	120°	4000K	40000h	≥80	Yes	1195*295*8mm
UP-PL30120-45WD-S3	AC230V	45W	≥0.9	3200	120°	5000K	40000h	≥80	Yes	1195*295*8mm
UP-PL30120-45WD-S3	AC230V	45W	≥0.9	3240	120°	5700K	40000h	≥80	Yes	1195*295*8mm

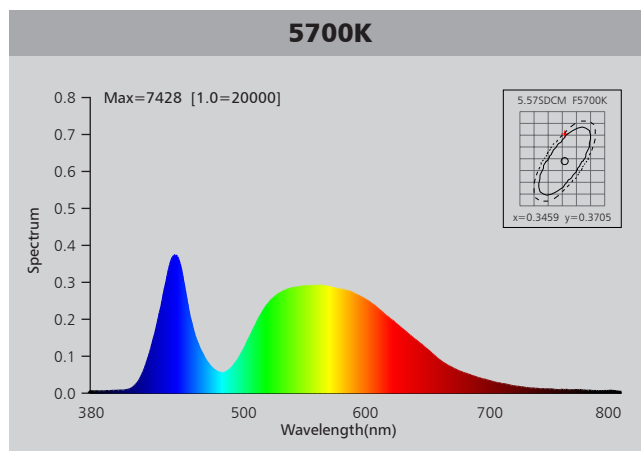
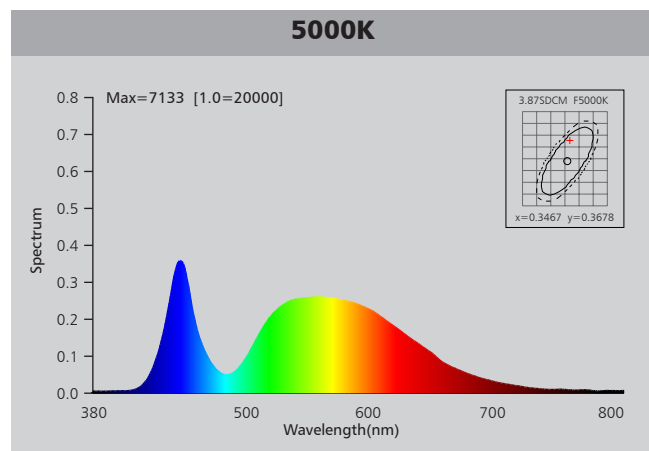
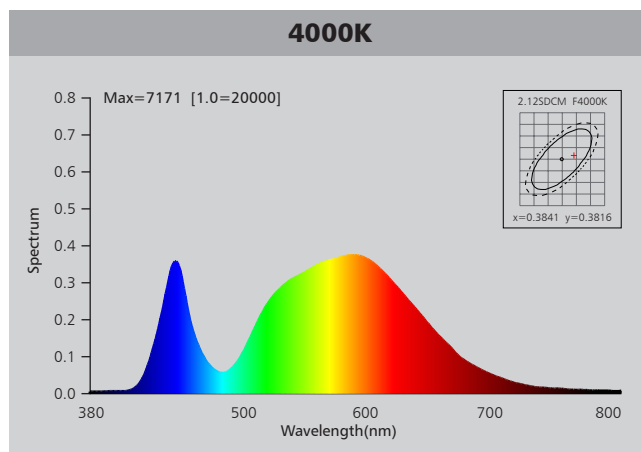
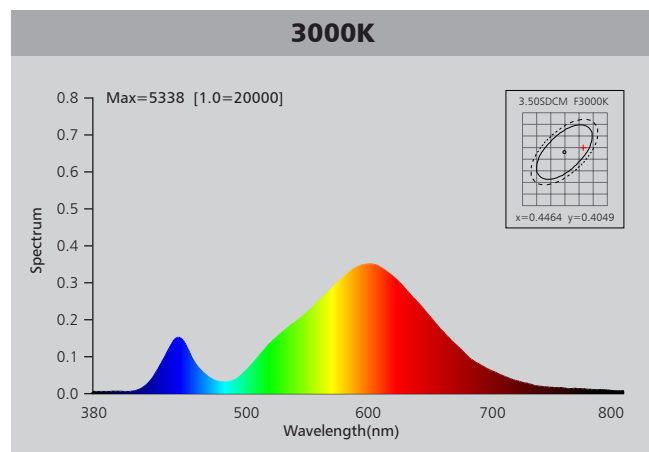
Driver data Sheet

Driver data	DIM	Non-dim
Input rated Voltage	AC230V	AC230V
Frequency	50Hz	50Hz
Input Voltage	AC200-240V	AC200-240V
Efficiency	≥83%	≥86%
Total load Wattage	45W±5%	45W±5%
Power Factor	≥0.9	≥0.9
Rated input current	≤0.22A	≤0.22A
Full load output Voltage	DC35-38V	DC35-38V
Rated output current	1000mA	1050mA
Output current range	1000mA±5%	1050mA±5%
Power 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	AC3750V	AC3750V

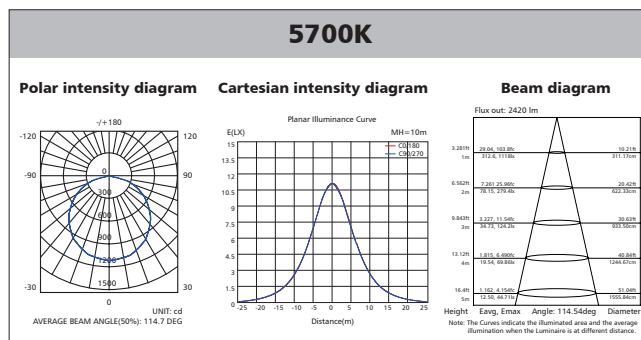
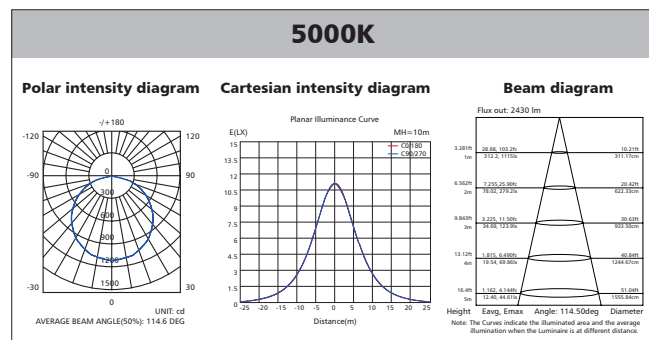
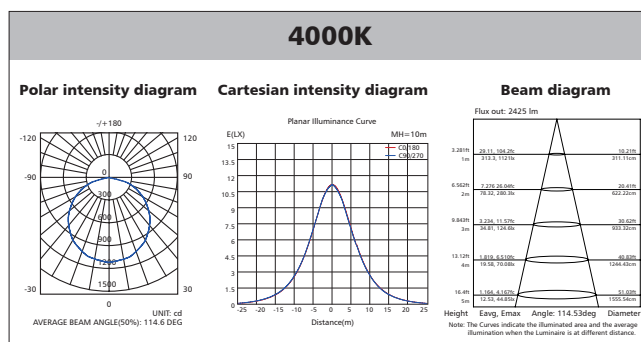
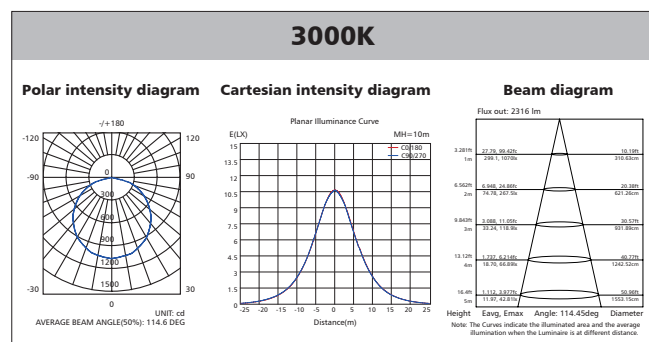
Fixture Compatibility

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

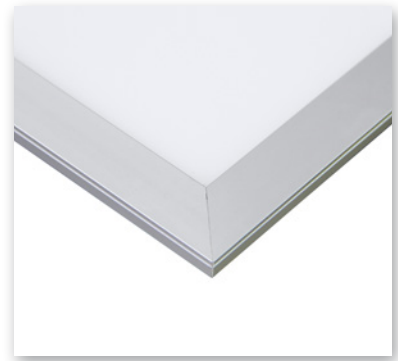
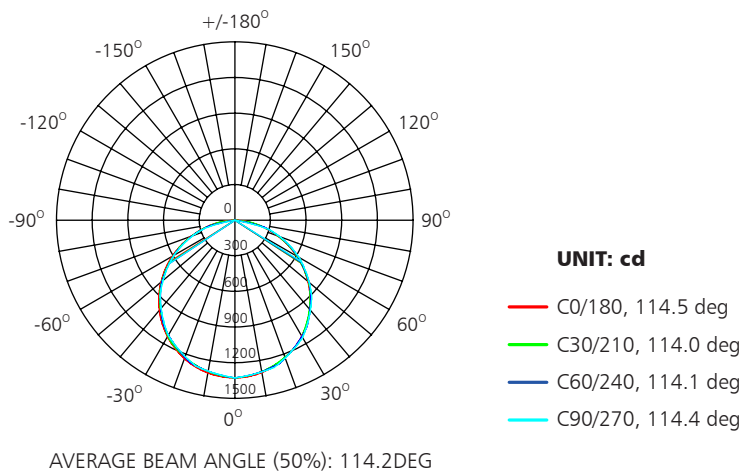
Spectral Distribution



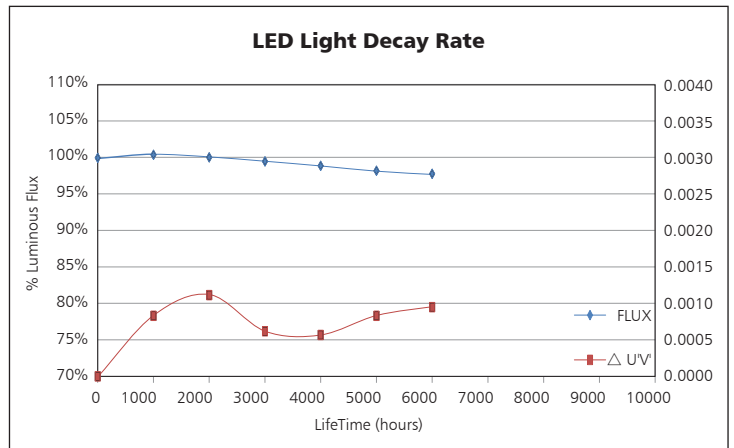
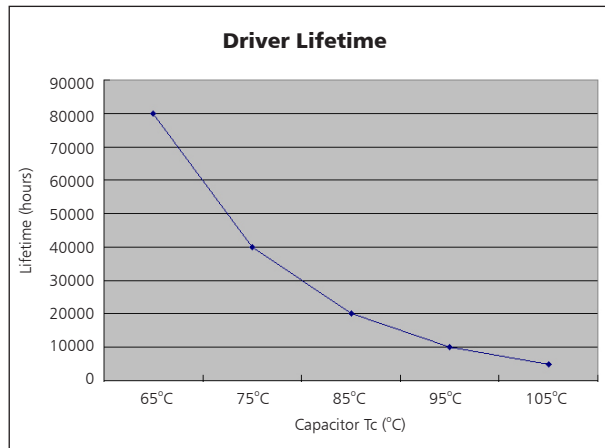
Photometric Diagram



Polar Diagram Comparison

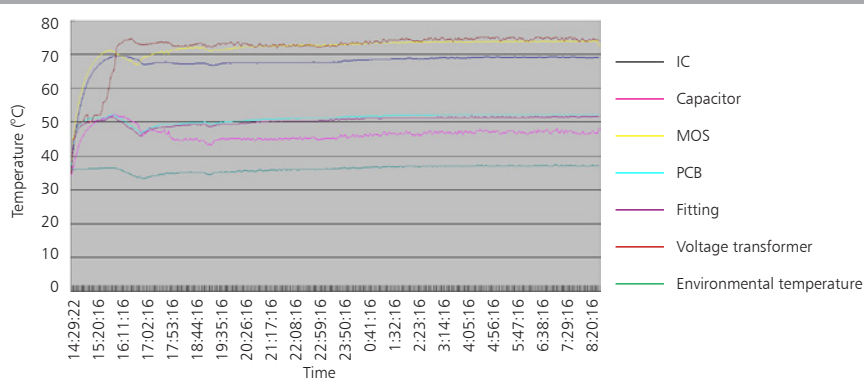


Driver lifetime & LED light decay rate



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

1.Recessed into ceiling

1. Remove ceiling plaster slab
2. Connect power supply
3. Fix the panel light into right place
4. Stabilize the panel

2. Suspending

1. A. Fix the anchor into target place on the ceiling
B. Fix the installation mount on the ceiling with plastic anchor
2. Hang the panel to ceiling with suspended installation kits
3. Adjust the length of steel wire. Connect the power supply

3. Surface mounted

1. Fix the bracket of panel light on the ceiling
2. Install hanging fixtures on the panel light
3. Install the LED Panel light on the bracket
4. Connect the power cord and then it can be used

4. Surface mounted

1. Fix the frame on the ceiling with screw
2. Pull down the side frame
3. Push the panel into the frame, connect the driver
4. Install the side frame
5. Turn on the power switch, finish the installation

Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	133*34.5*39.5	4.2	27.5	5

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	150	750	28
40" standard container	300	1500	56

