



UPSHINE®



Technical Application
Guide for UP SHINE
LED Panel Light

UP-PL60120-60W-AN

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
- 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.



Product Information



Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	CCT	Beam angle	Lifespan	CRI	Dimmable	Dimension
UP-PL60120-60W-AN	AC230V	60W	≥0.9	4380	3000K	120°	40,000h	≥80	No	1195*595*8mm
				4800	4000K					
				4850	5000K					
				4900	5700K					

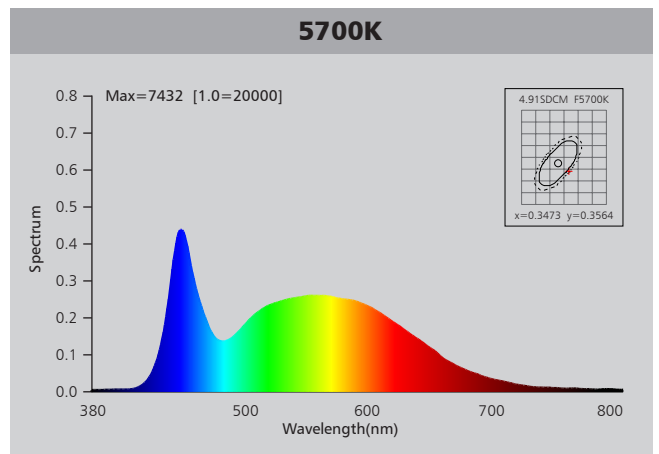
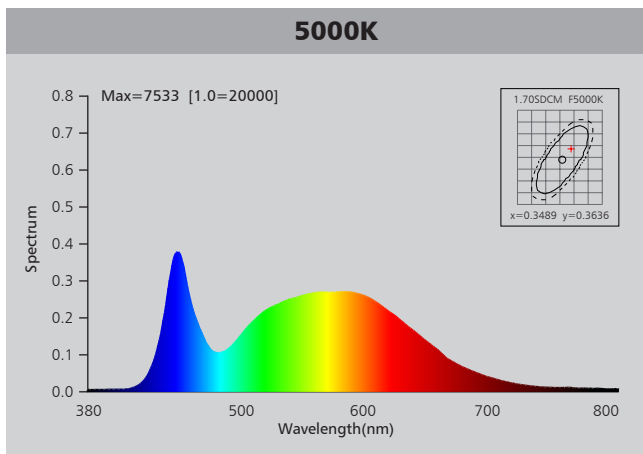
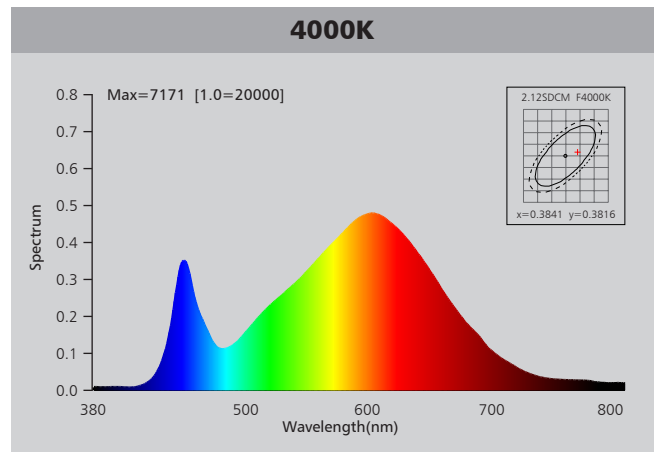
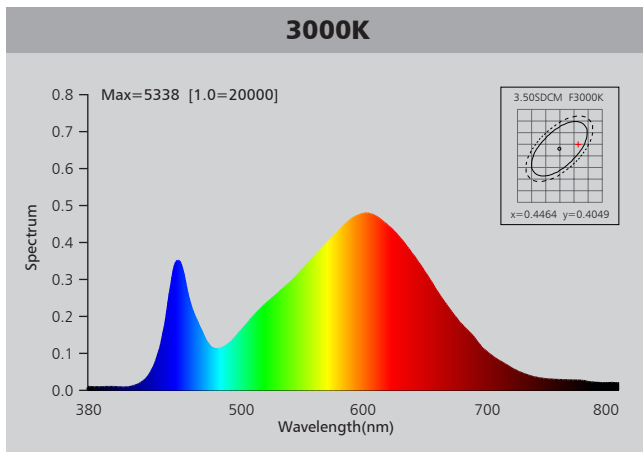
Driver data Sheet

Driver data	Non-dim
Input rated Voltage	AC230V
Frequency	50Hz
Input Voltage	AC200-240V
Efficiency	≥87%
Total load Wattage	60W±5%
Power Factor	≥0.9
Rated input current	≤0.35A
Full load output Voltage	DC35-38V
Rated output current	1400mA
Output current range	1400mA±5%
Power tolerance	±5%
Current output tolerance	±5%
Dimming range	—
Dimmer	—
Short circuit protection	PASS
Over voltage protection	PASS
Over temperature protection	PASS
Withstand voltage	AC3750V

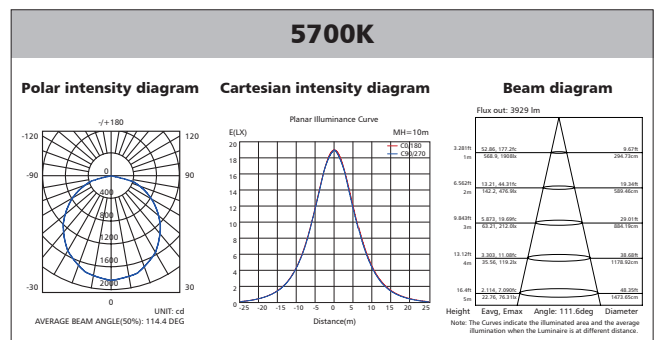
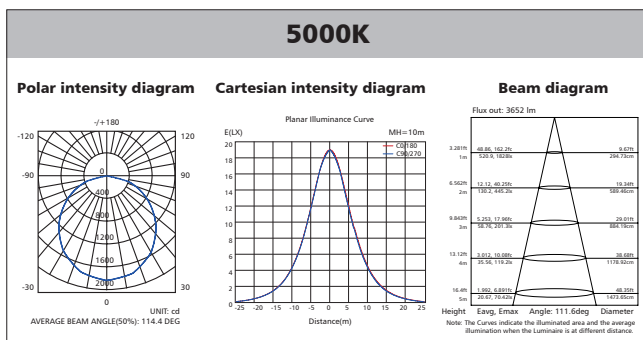
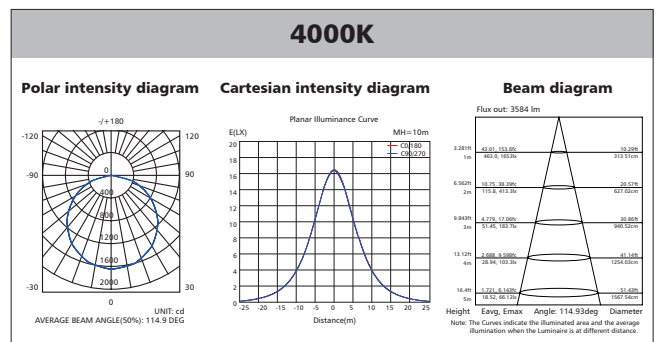
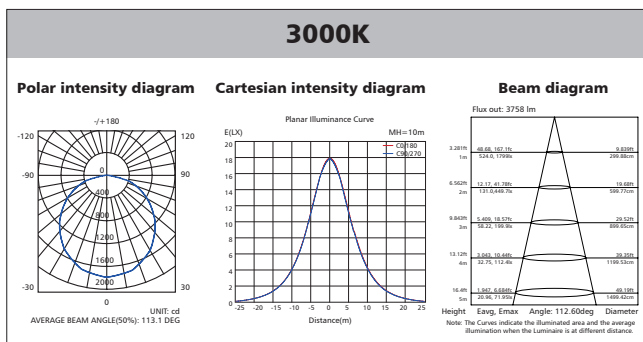
Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
60W	II	IP40	-20°C~45°C	0~90%	-20°C~65°C

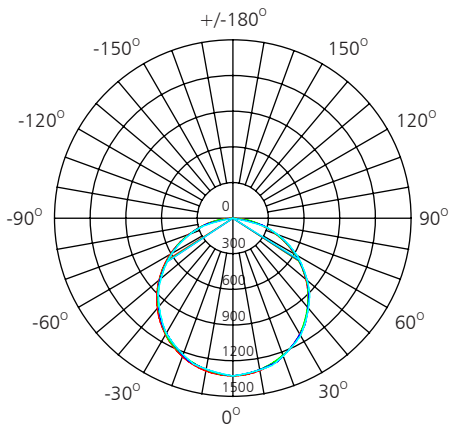
Spectral Distribution



Photometric Diagram



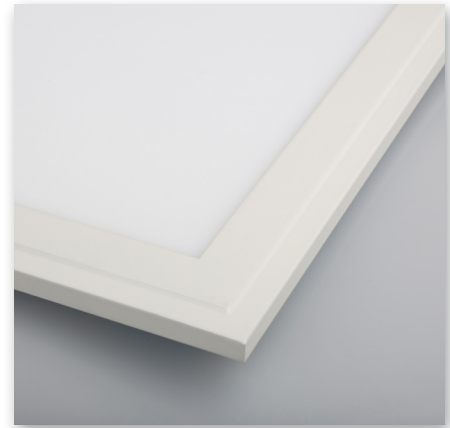
Polar Diagram Comparison



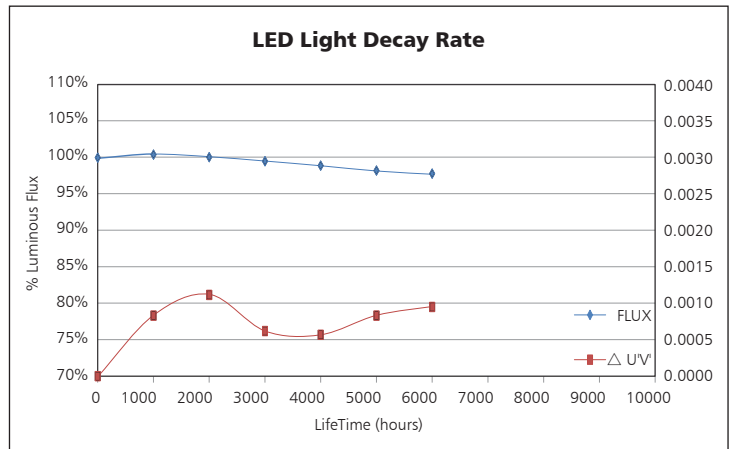
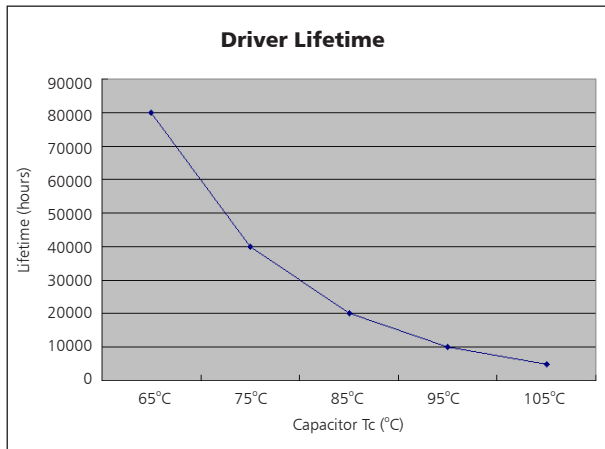
UNIT: cd

- C0/180, 114.5 deg
- C30/210, 114.0 deg
- C60/240, 114.1 deg
- C90/270, 114.4 deg

AVERAGE BEAM ANGLE (50%): 114.2DEG

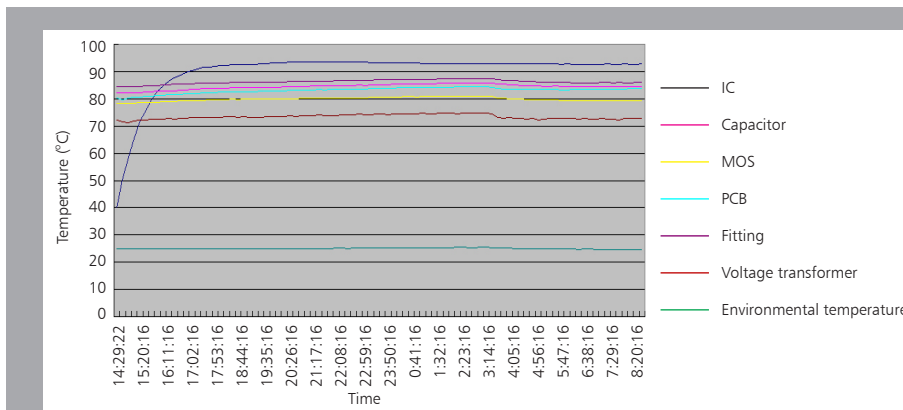


Driver lifetime & LED light decay rate



Temperature

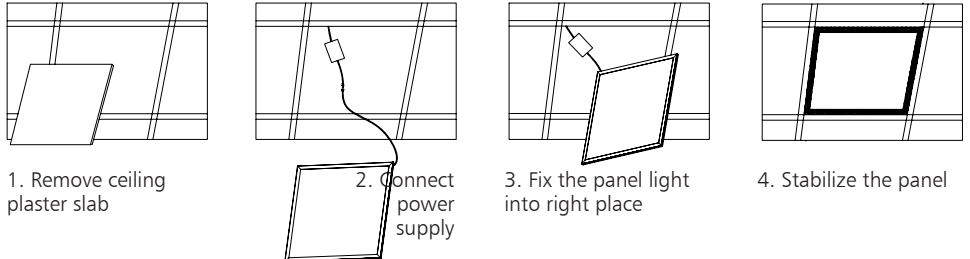
- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C



The driver lifespan is based on capacitor working temperature.

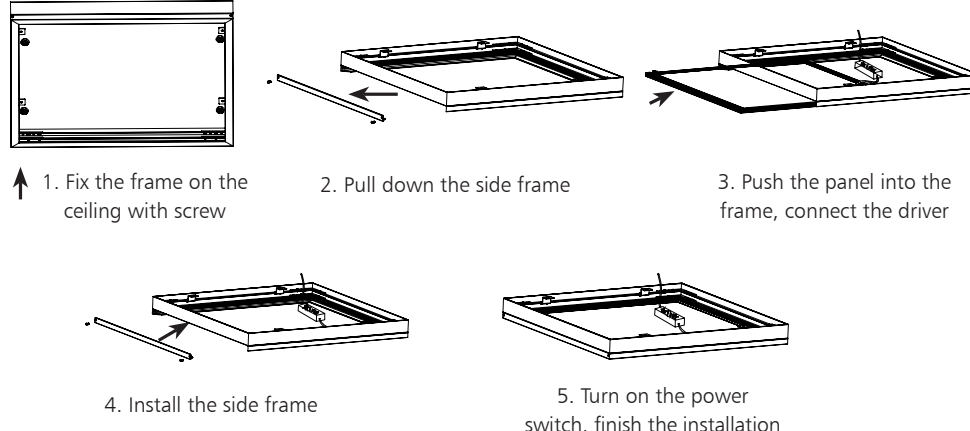
Installation

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

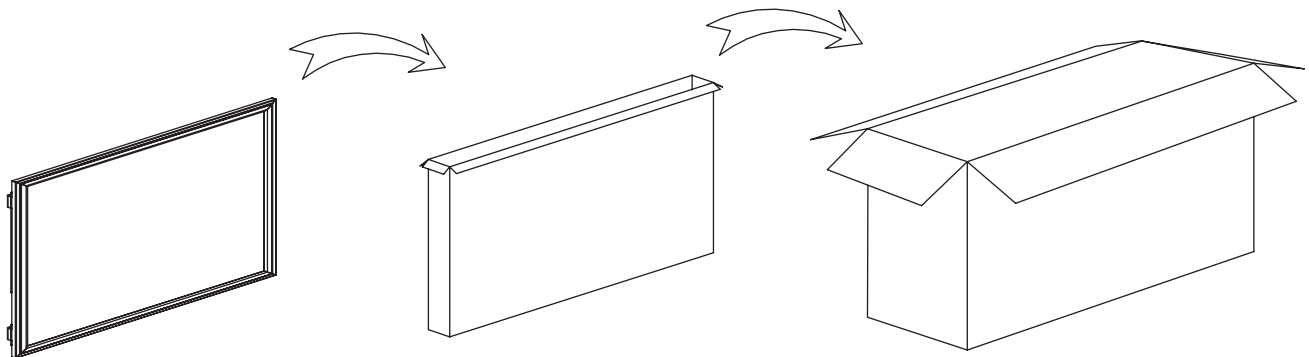
3. Surface mounted



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)	CTNS	Q'TY(PCS)	VOLUME(CBM)	
Carton	131*14.5*69	5.0	15	2	20" standard container	210	420	28
					40" standard container	420	840	56



Note: If the diffused material LGP is constructed from quality PS material, while discoloration of LED panel is easily generated with exposure to sunlight/UV. In general installation area, places without sunlight/UV, PS is strong enough to support. However, sunlight/UV can cause discoloration, under this circumstance, we would recommend the use of LED panel made of PMMA material. Please note warranty does not cover discoloration of diffused material.