



Technical Application
Guide for BA-
lighting LED Panel
Light

BA3001-PL6060G6-42W-CCT

Introduction



The unified glare rating (UGR) is a measure of the glare in a given environment, Glare is caused by a significant ratio of luminance between the task (that which is being looked at) and the glare source. With a lower value of UGR, it will reduce discomfort glare.

Up-shine UGR<19 LED panel, a new tendency for high end market, adopts anti-glare diffuser, reduces glare by structural improvement. It is unique designed with uniform light and high lumen output. Dimmable as an alternative choice if you need.

- Up to 80% energy saving compared to standard CFL
- Long lifetime of 50,000 hours
- Triac dim, 0-10V dim, DALI dim
- UGR<19
- 80° 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.

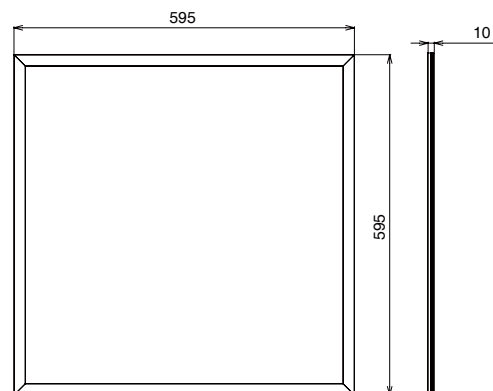
Certificates



RoHS



Product Information



Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
BA3001-PL6060-42W-CCT	AC230V	42W	≥0.9	3800	80°	3000K	50000h	≥80	Yes	595*595*10mm
BA3001-PL6060-42W-CCT	AC230V	42W	≥0.9	4080	80°	4000K	50000h	≥80	Yes	595*595*10mm
BA3001-PL6060-42W-CCT	AC230V	42W	≥0.9	4200	80°	5700K	50000h	≥80	Yes	595*595*10mm

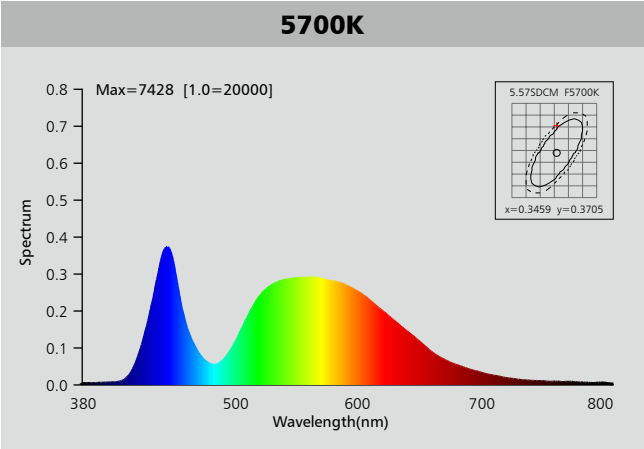
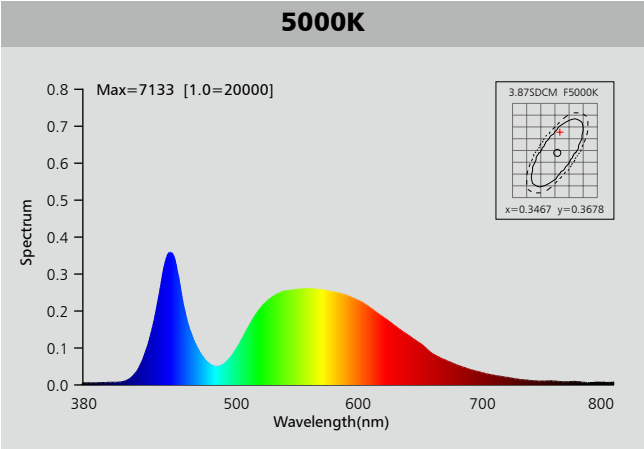
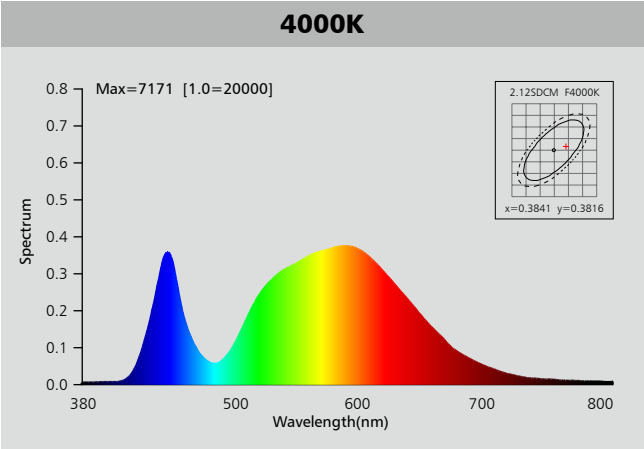
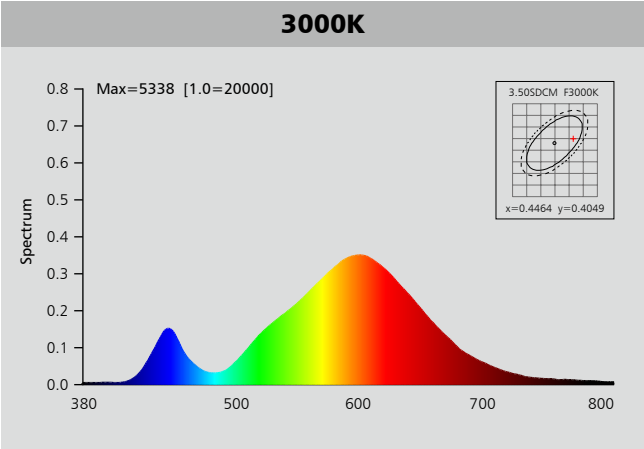
Driver data Sheet

Driver data	DIM	
Input rated Voltage	AC230V	
Frequency	50Hz	
Input Voltage	AC200-240V	
Efficiency	≥83%	
Total load Wattage	42W±5%	
Power Factor	≥0.9	
Rated input current	≤0.24A	
Full load output Voltage	DC35-38V	
Rated output current	1000mA	
Output current range	1000mA±5%	
Power tolerance	±5%	
Current output tolerance	±5%	
Dimming range	8%-100%	
Dimmer	Triac dimmers	
Short circuit protection	PASS	
Over voltage protection	PASS	
Over temperature protection	PASS	
Withstand voltage	AC3750V	

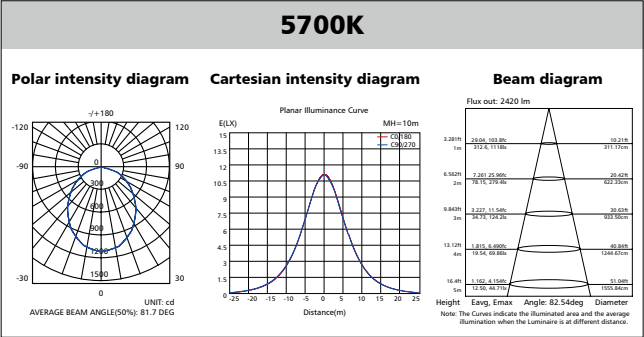
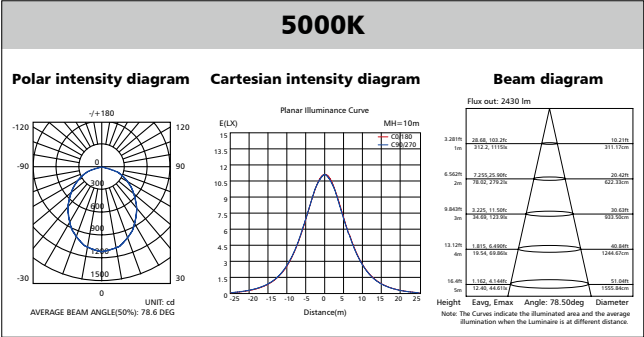
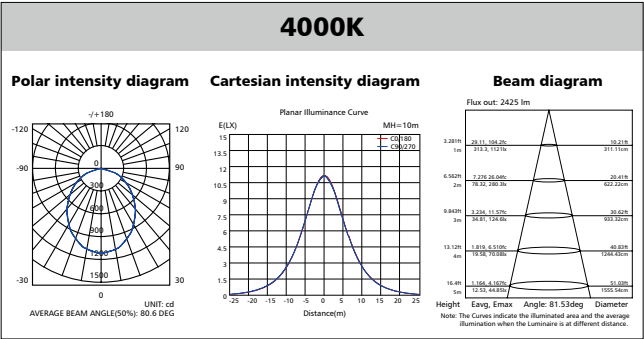
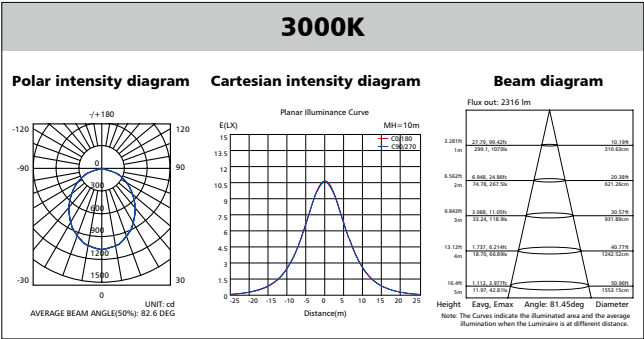
Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection (IP)	Operating Temp	Operating Humidity	Storage Temp
42W	II	IP40	-20°C~45°C	0~90%	-20°C~65°C

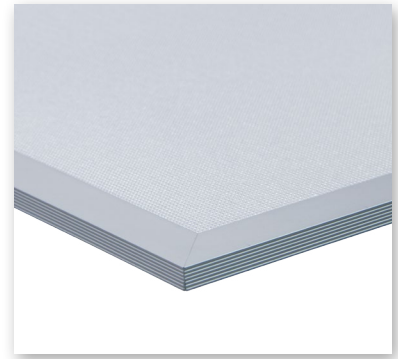
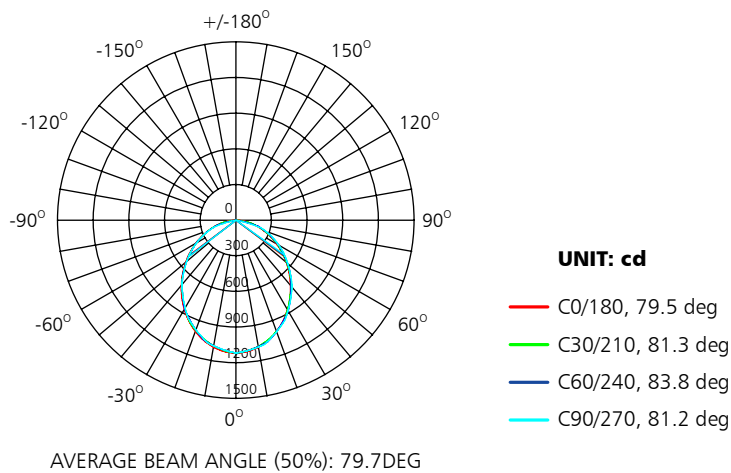
Spectral Distribution



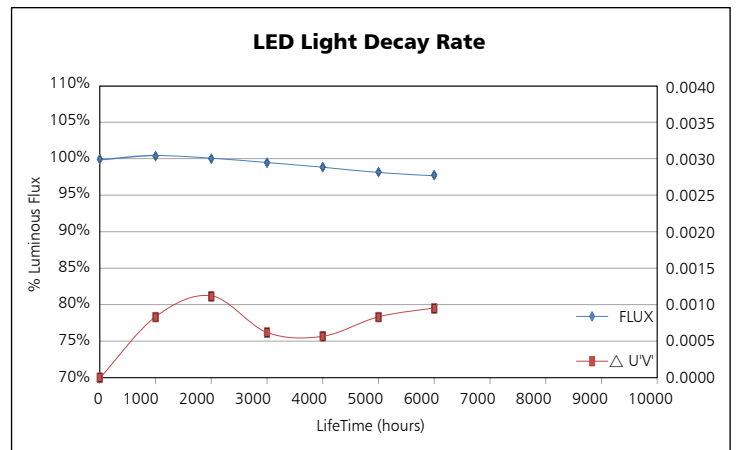
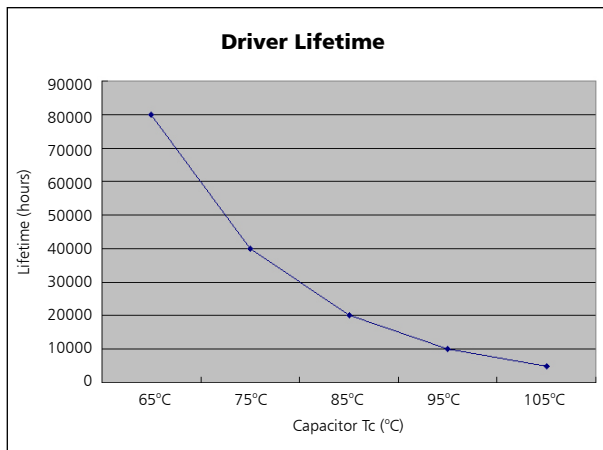
Photometric Diagram



Polar Diagram Comparison

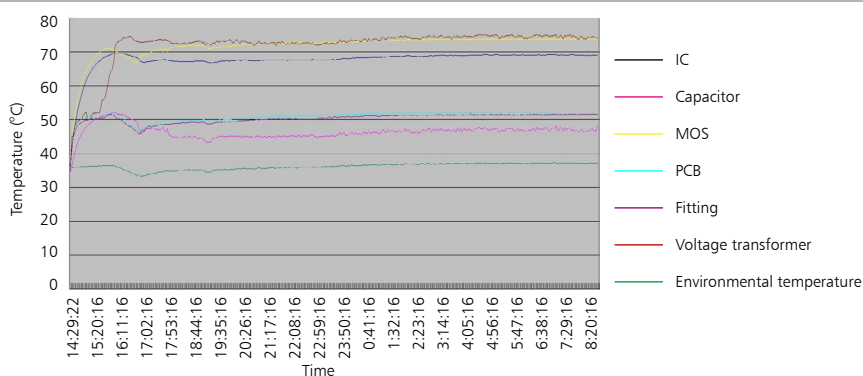


Driver lifetime & LED light decay rate



Temperature

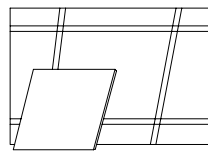
- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C



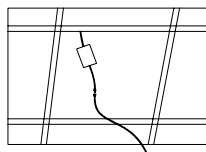
The driver lifespan is based on capacitor working temperature.

Installation

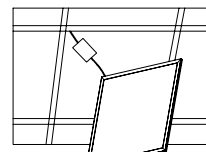
1. Recessed into ceiling



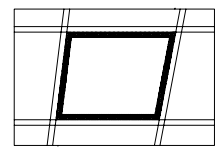
1. Remove ceiling plaster slab



2. Connect power supply

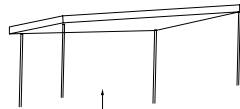


3. Fix the panel light into right place

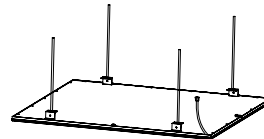


4. Stabilize the panel

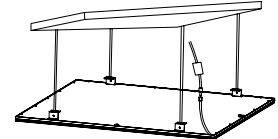
2. Suspending



1. A. Fix the anchor into target place on the ceiling
B. Fix the installation mount on the ceiling with plastic anchor

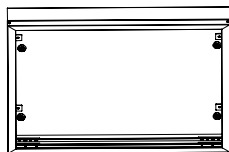


2. Hang the panel to ceiling with suspended installation kits

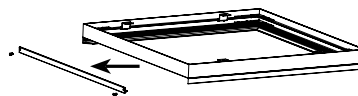


3. Adjust the length of steel wire. Connect the power supply

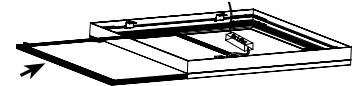
3. Surface mounted



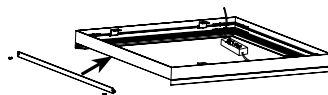
1. Fix the frame on the ceiling with screw



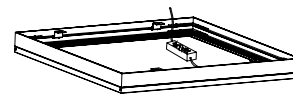
2. Pull down the side frame



3. Push the panel into the frame, connect the driver



4. Install the side frame

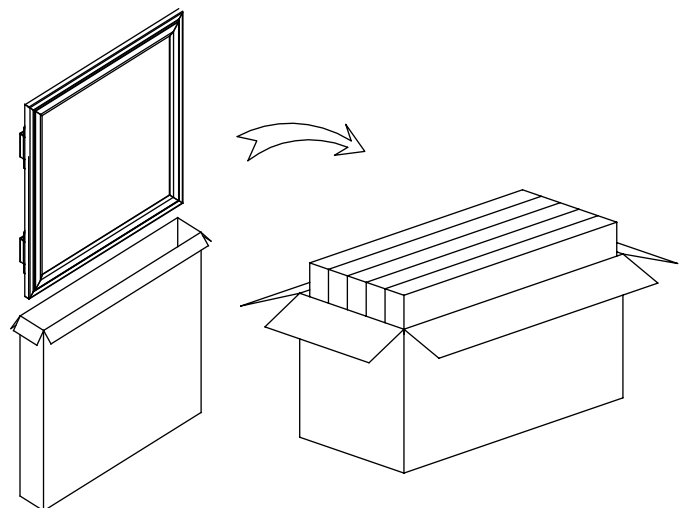


5. Turn on the power switch, finish the installation

Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCs)
Carton	66.5*34.5*73	3.7	24.5	5

	CTNS	Q'TY(PCs)	VOLUME(CBM)
20" standard container	164	820	28
40" standard container	330	1650	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.