



FDV

BA- Lighting AS

BA276/305-

PL6060-42WD-S3

# Introduction



BA- Lighting 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 50,000 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.

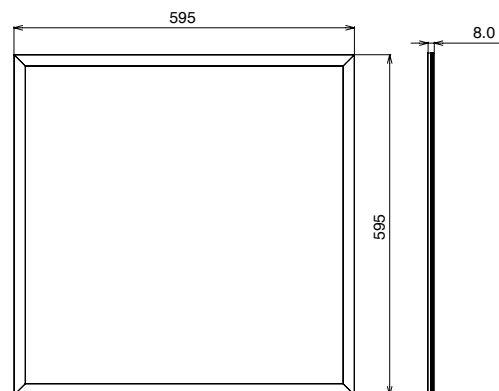
## Certificates



**RoHS**



# Product Information



## Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
BA-PL6060-42W-S3	AC230V	42W	≥0.9	3700	120°	3000K	40000h	≥80	No	595*595*8mm
BA-PL6060-42W-S3	AC230V	42W	≥0.9	3900	120°	4000K	40000h	≥80	No	595*595*8mm
BA-PL6060-42W-S3	AC230V	42W	≥0.9	3990	120°	5000K	40000h	≥80	No	595*595*8mm
BA-PL6060-42W-S3	AC230V	42W	≥0.9	4020	120°	5700K	40000h	≥80	No	595*595*8mm
BA-PL6060-42WD-S3	AC230V	42W	≥0.9	3550	120°	3000K	40000h	≥80	Yes	595*595*8mm
BA-PL6060-42WD-S3	AC230V	42W	≥0.9	3770	120°	4000K	40000h	≥80	Yes	595*595*8mm
BA-PL6060-42WD-S3	AC230V	42W	≥0.9	3810	120°	5000K	40000h	≥80	Yes	595*595*8mm
BA-PL6060-42WD-S3	AC230V	42W	≥0.9	3840	120°	5700K	40000h	≥80	Yes	595*595*8mm

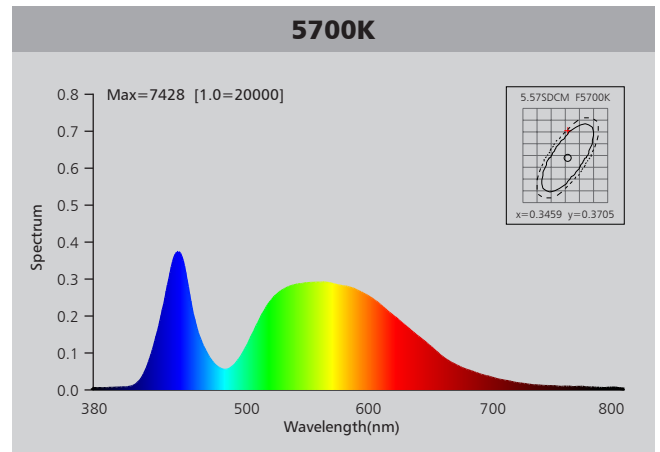
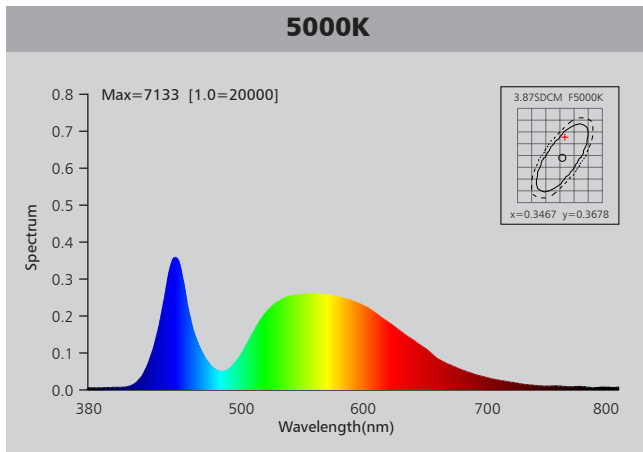
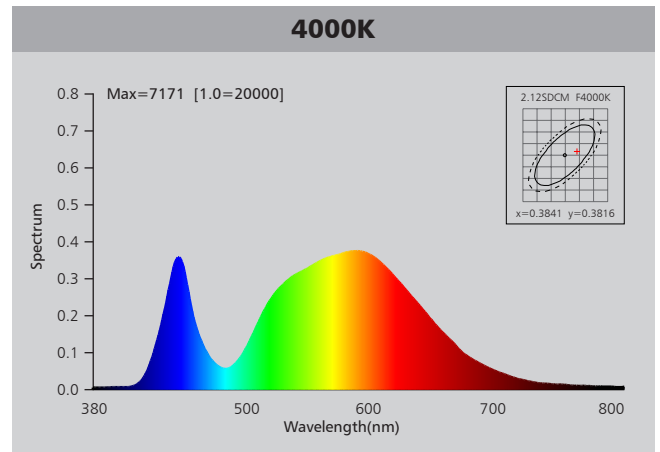
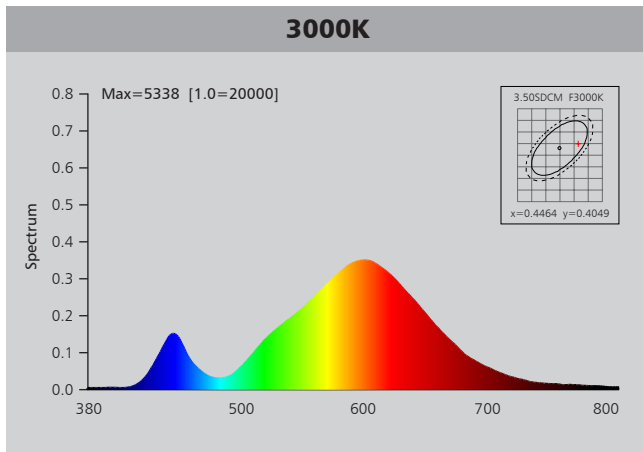
## Driver data Sheet

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	42W±5%	42W±5%
Power Factor	≥0.9	≥0.9
Rated input current	≤0.22A	≤0.25A
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

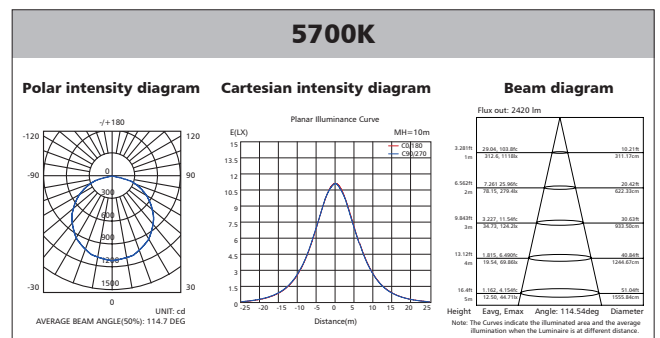
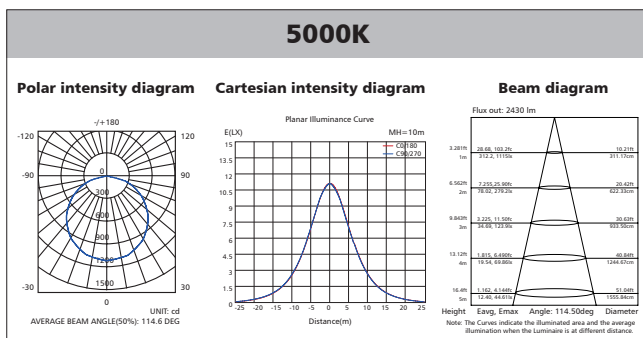
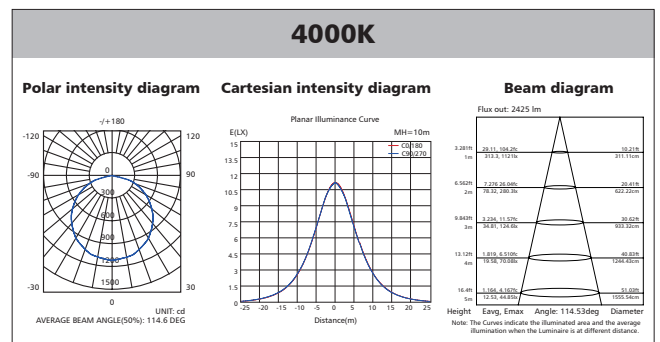
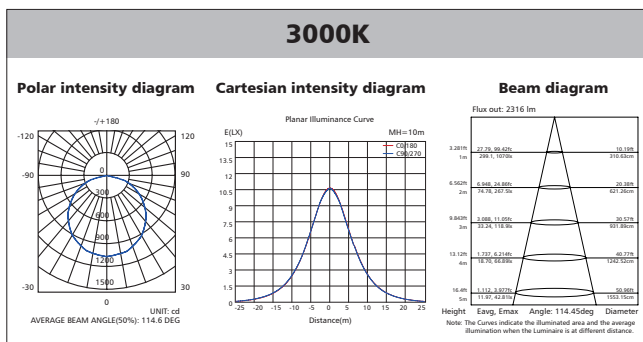
## Fixture Compatibility

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

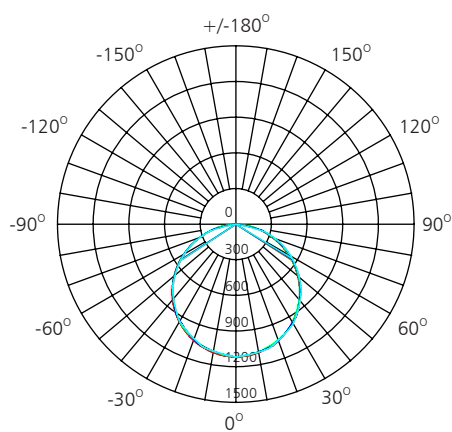
# Spectral Distribution



# Photometric Diagram



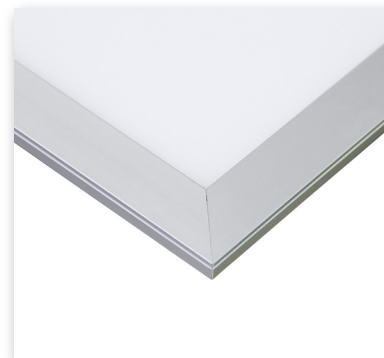
## Polar Diagram Comparison



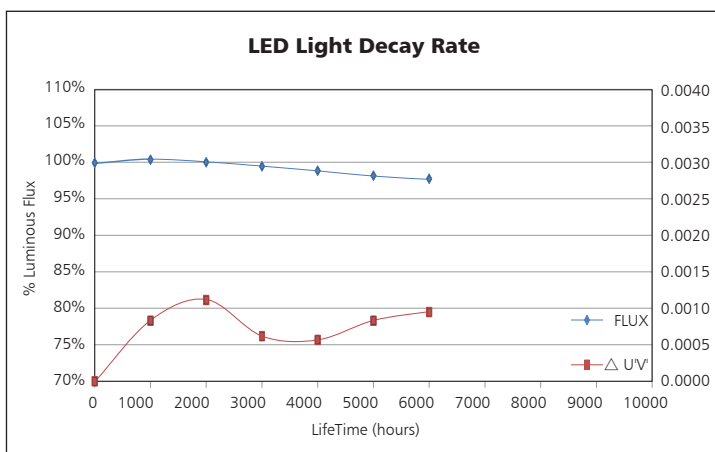
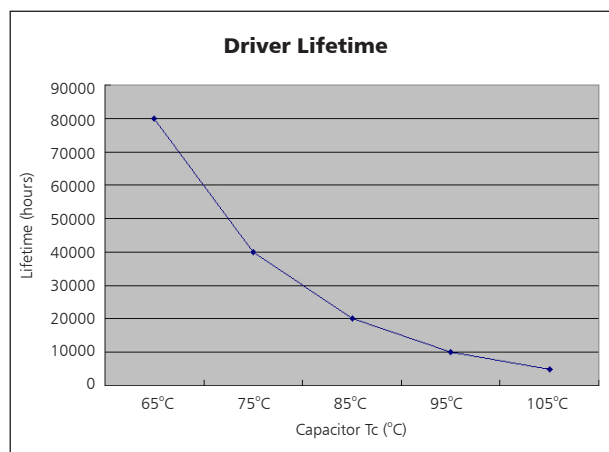
UNIT: cd

- C0/180, 114.5 deg
- C30/210, 114.3 deg
- C60/240, 114.8 deg
- C90/270, 115.2 deg

AVERAGE BEAM ANGLE (50%): 114.7DEG

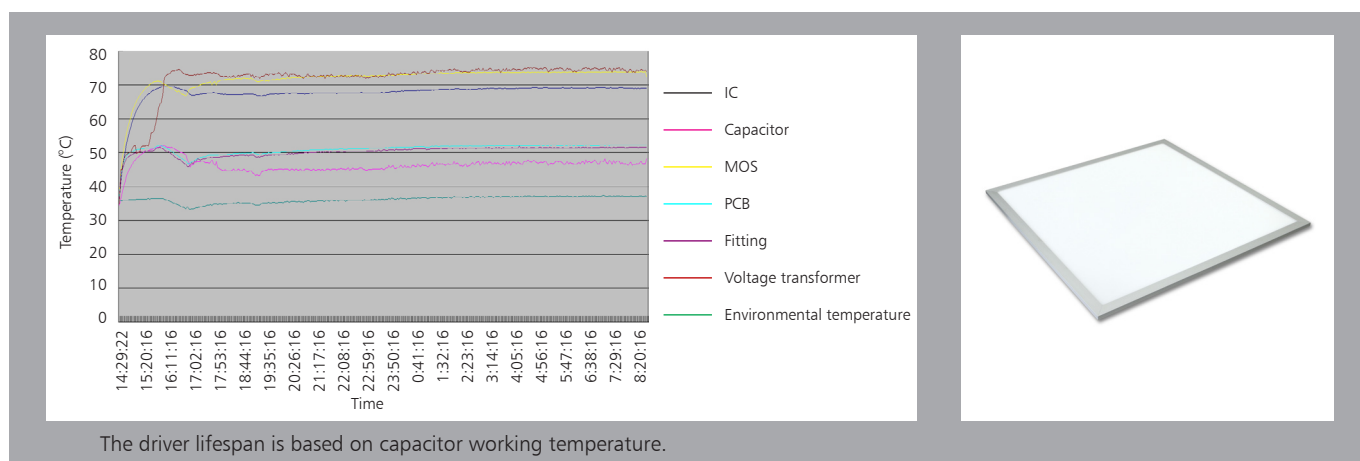


## Driver lifetime & LED light decay rate



## 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.

