

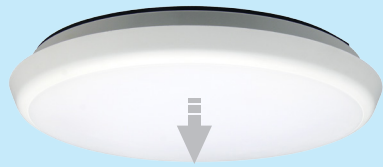


FDV

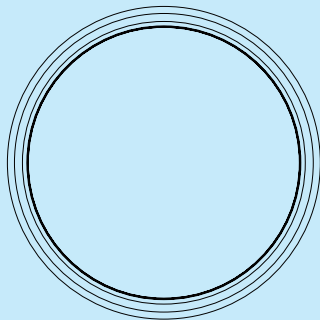
BA- Lighting AS

BA-AL08-10-12DE

Introduction



Accessory sold separate



BA- Lighting surface mounted ceiling light adopts high lumen SMD LED, fire-rated PC diffuser with even light output. IP54 waterproof structural design, it is an ideal replacement for damp locations. driver in top branded component with triac dimmable function, 120° wide beam angle.

- Up to 70% energy saving compared to standard CFL
- Long lifetime of 50,000 hours
- 120° wide beam angle
- CCT: 3000K 4000K 5000K 5700K
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances

Emergency

Smart IC control.

- ◆ Emergency function switches automatically between power cut and power restoration.
- ◆ Li battery, high efficiency
- ◆ Battery duration: 3 hours@4W
- ◆ Charge period: 24 hours

Application Areas

Applicable for corridor, basement, garage, warehouse, monitoring, and other places of energy-saving indoor and outdoor lighting.

Certificate



Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
BA-AL08-10-12WE	AC230V	12W	≥0.9	1140	120°	3000K	50000h	≥80	No	Ø250*48mm
BA-AL08-10-12WE	AC230V	12W	≥0.9	1260	120°	4000K	50000h	≥80	No	Ø250*48mm
BA-AL08-10-12WE	AC230V	12W	≥0.9	1270	120°	5000K	50000h	≥80	No	Ø250*48mm
BA-AL08-10-12WE	AC230V	12W	≥0.9	1270	120°	5700K	50000h	≥80	No	Ø250*48mm

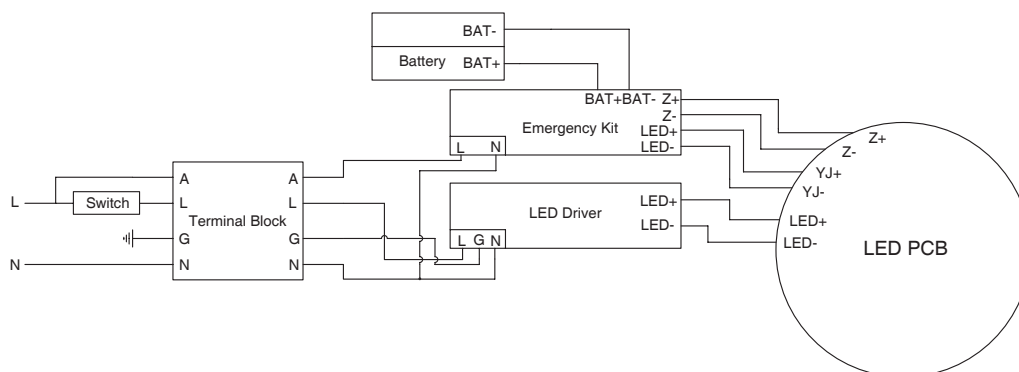
Driver data Sheet

Driver data	Emergency	Main Power
Input rated Voltage	AC230V	AC230V
Frequency	50Hz	50Hz
Input Voltage	AC200-240V	AC200-240V
Efficiency	≥70%	≥88%
No load wattage	—	≤0.4W
Total load Wattage	4W±0.5W	12W±1W
Power Factor	—	≥0.9
Rated input current	≤0.04A	≤0.07A
Full load output Voltage	DC24-38V	60-75V
Rated output current	100-170mA	150mA
Output current range	—	150mA±5%
Power tolerance	—	±5%
Current output tolerance	—	±5%
Hold time	—	—
Detection distance	—	—
Battery duration	3h@4W	—
Charge Period	24h	—
Short circuit protection	—	PASS
Over voltage protection	—	PASS
Over temperature protection	—	PASS
Withstand voltage	—	AC3750V

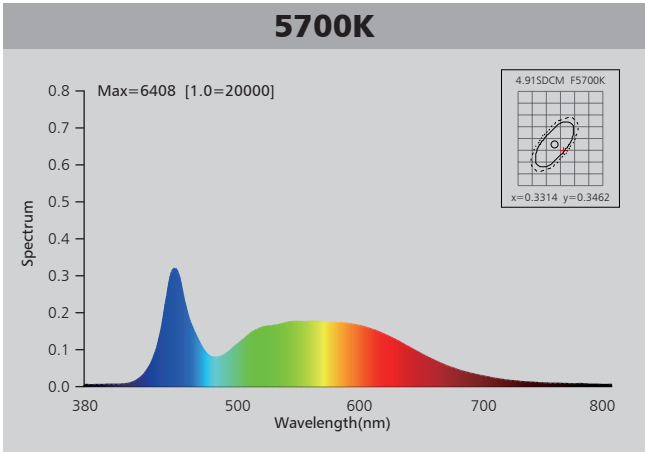
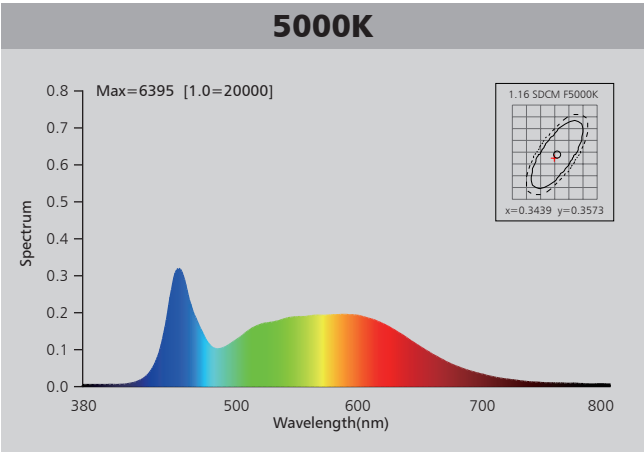
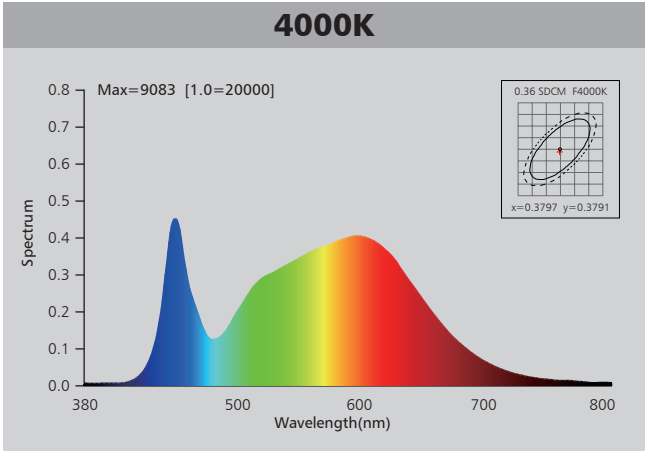
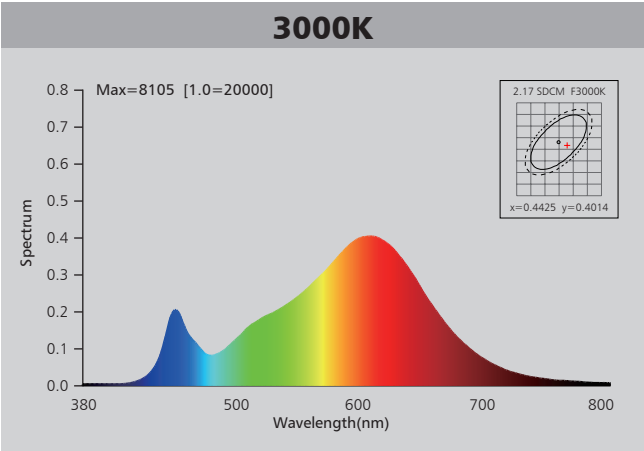
Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
12W	II	IP54	-20°C~45°C	0~90%	-20°C~65°C

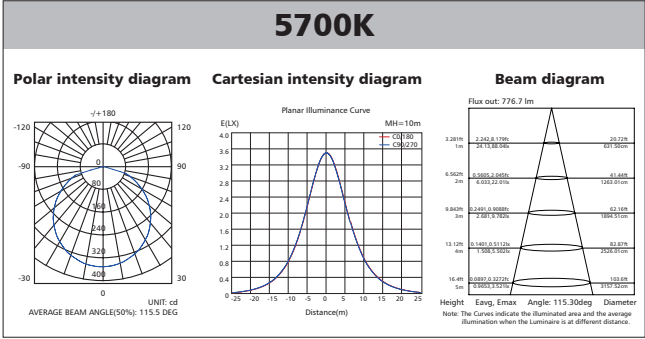
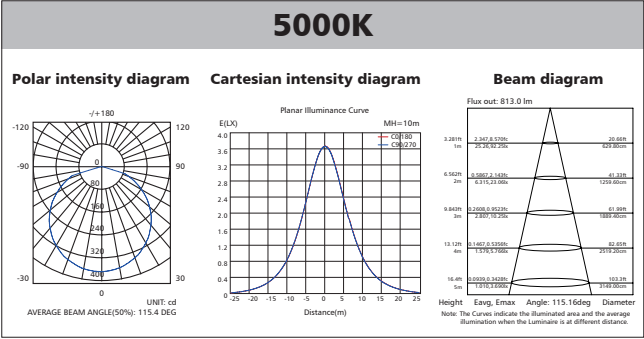
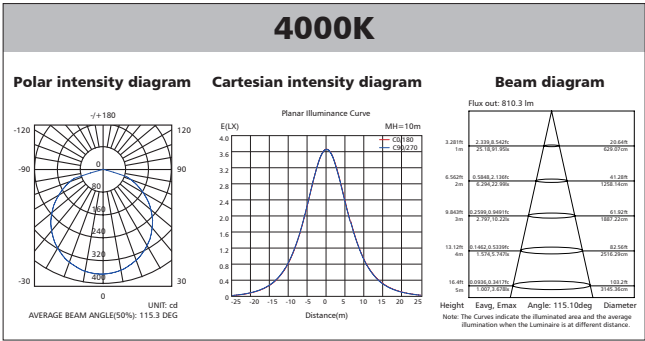
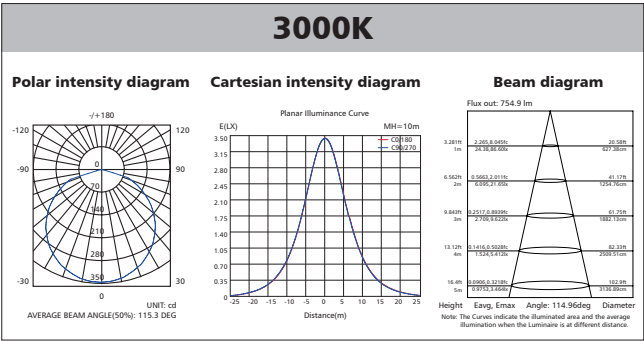
Wiring Diagram:



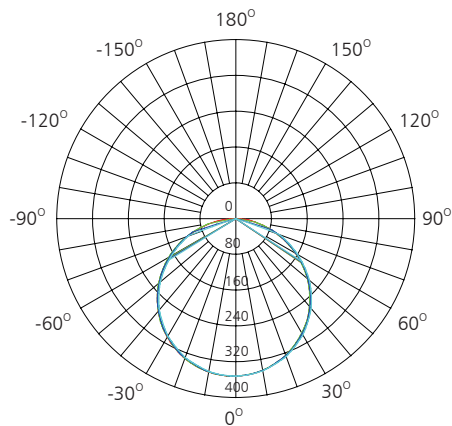
Spectral Distribution



Photometric Diagram



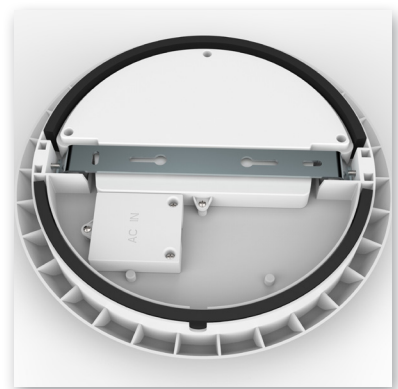
Polar Diagram Comparison



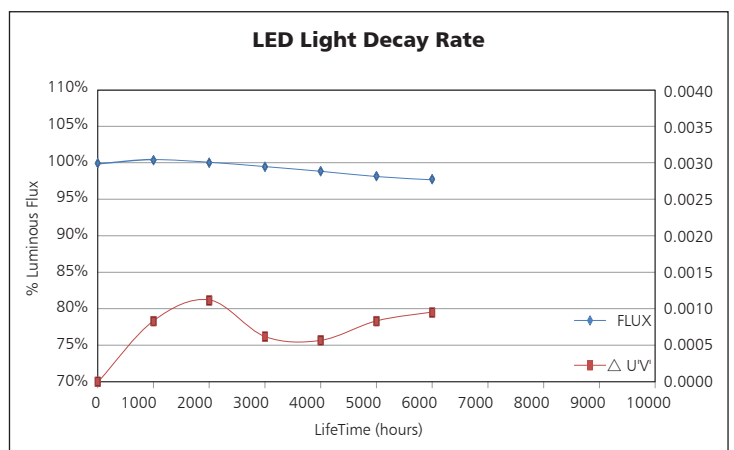
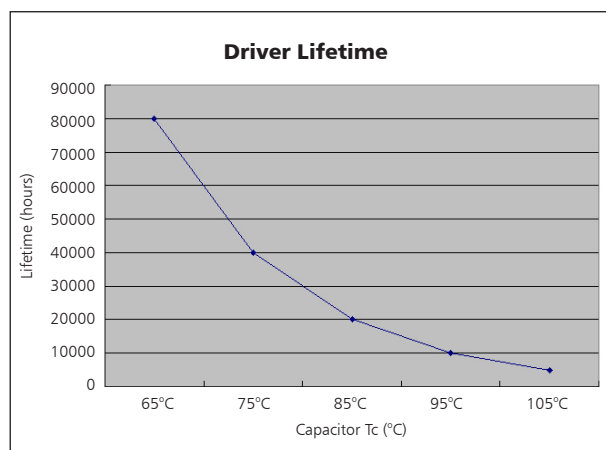
UNIT: cd

- C0/180, 115.4 deg
- C30/210, 115.7 deg
- C60/240, 115.6 deg
- C90/270, 115.3 deg

AVERAGE BEAM ANGLE (50%): 115.5 DEG

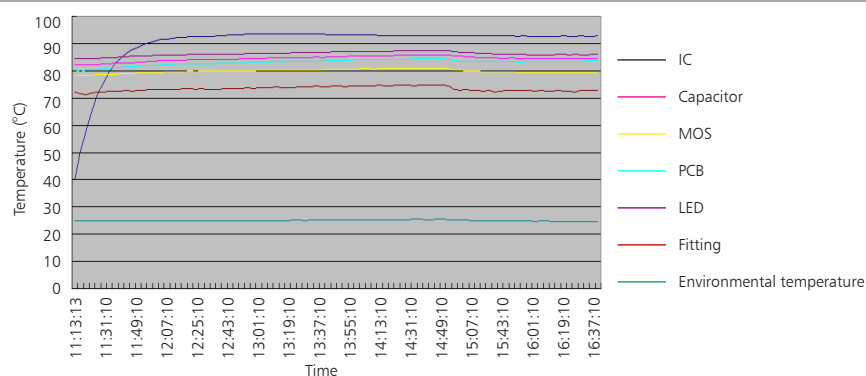


Driver lifetime & LED light decay rate



Temperature

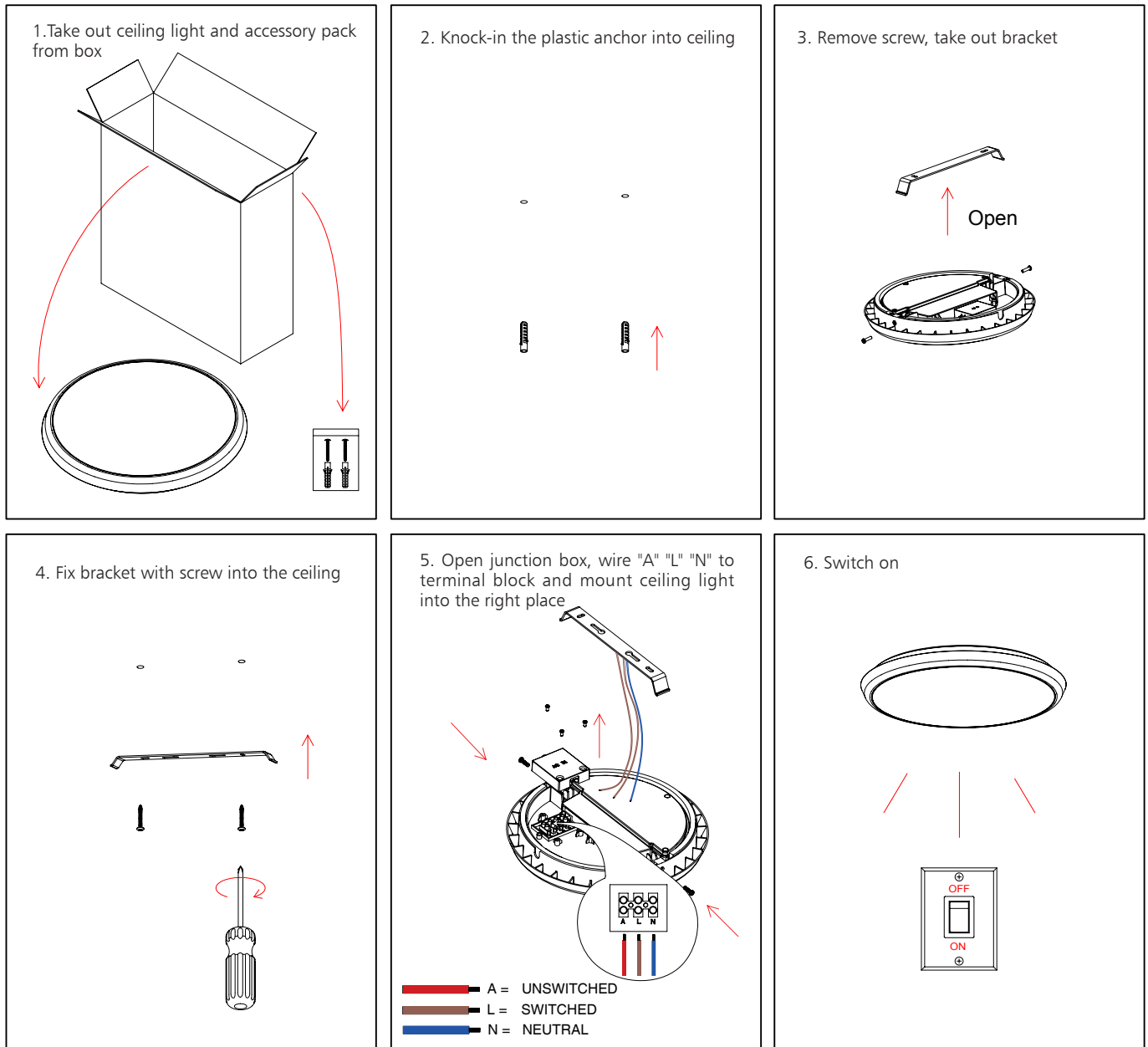
- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C



The driver lifespan is based on capacitor working temperature.



Installation



Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	60*53.5*28.5	0.7	17.4	20

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	302	6040	28
40" standard container	604	12080	56

