



UPSHINE<sup>®</sup>



Technical Application  
Guide for UP-SHINE  
LED Ceiling light  
UP-AL08-12-18W-S3

# Introduction



Up-shine 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. 120° wide beam angle.

- Up to 70% energy saving compared to standard CFL
- Long lifetime of 40,000 hours
- 120° wide beam angle
- CCT: 3000K 4000K 5000K 5700K
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances

## Microwave Sensor

Detection area:

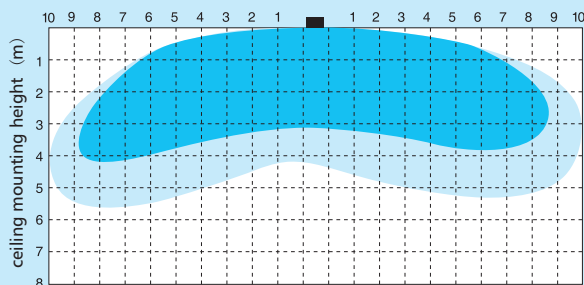
- ◆ 140 degree wide detective beam angle with 5~7 meters distance.

Working pattern:

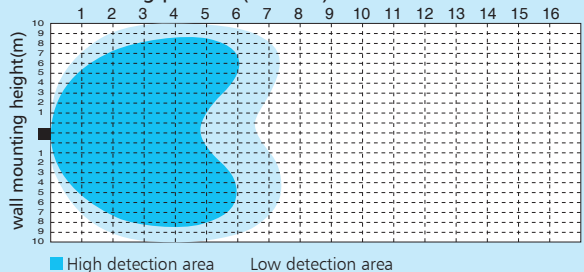
- ◆ In any given lighting condition, the light always keep a certain of brightness ( such as 10%, 20% 30%, please refer to the product label), never turn off.
- ◆ With presence detected, light will turn to 100% brightness.
- ◆ After presence left, light will continuously work within Hold Time, then turn down to the lowest brightness automatically.
- ◆ After presence left, any movement detected within Hold Time, the light will continuously work for another Hold Time, then turn down to lowest brightness until next movement detected.
- ◆ Hold time: 30S / 60S/ 120S (Please refer to "HOLD TIME" on product label)

## Sensor Detection Pattern

Ceiling Mounting pattern (Unit: m)



Wall Mounting pattern (Unit: m)

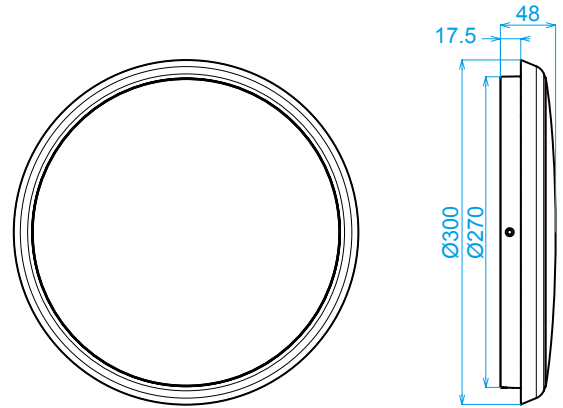


■ High detection area    ■ Low detection area

## Application Areas

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

# Product Information



## Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	CCT	Beam angle	Lifespan	CRI	Dimmable	Dimension
UP-AL08-12-18W-S3	AC230V	18W	≥0.9	1660	3000K	120°	40000h	≥80	No	Ø300*48mm
				1790	4000K					
				1750	5000K					
				1730	5700K					

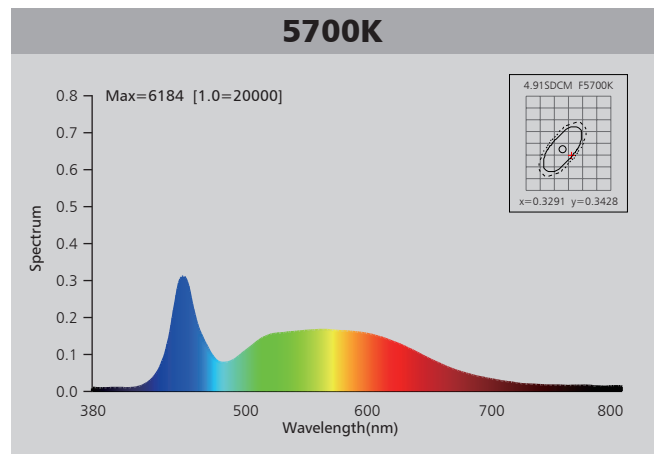
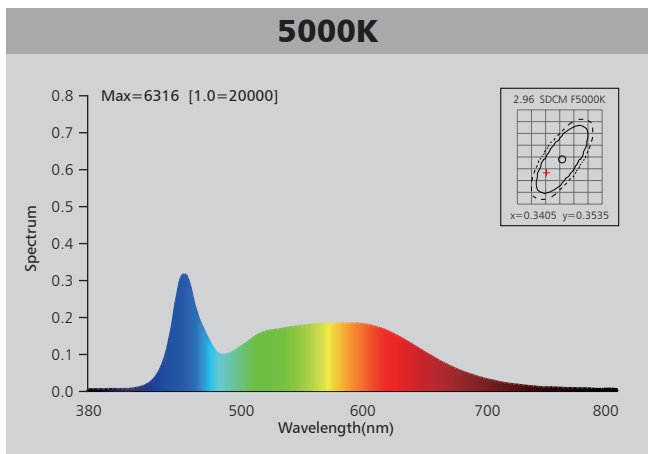
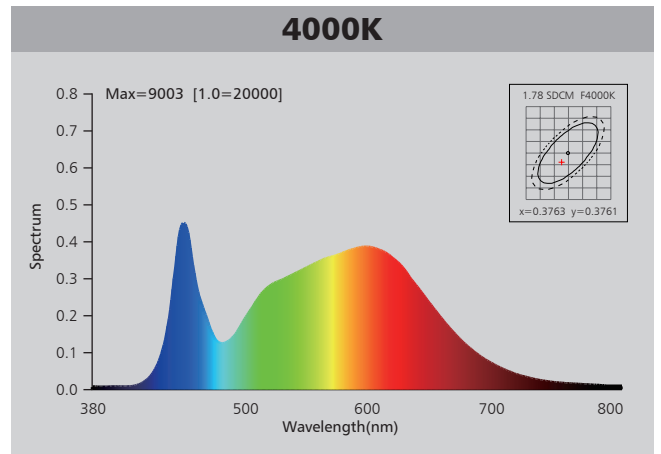
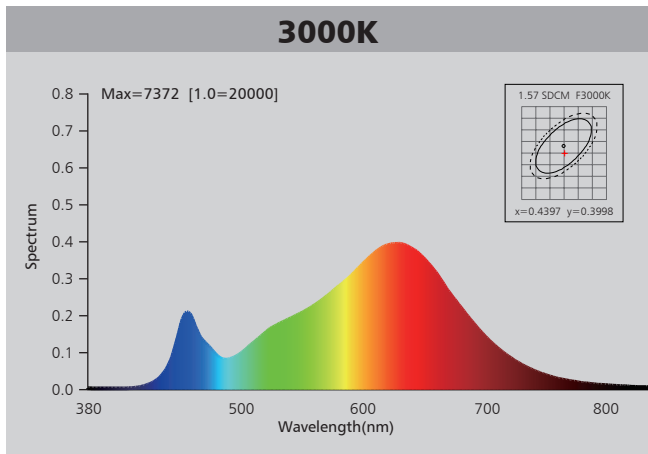
## Driver data Sheet

Driver data	Main Power
Input rated Voltage	AC230V
Frequency	50/60Hz
Input Voltage	AC200-240V
Efficiency	≥88%
No load wattage	≤0.4W
Total load Wattage	18W±1W
Power Factor	≥0.9
Rated input current	≤0.1A
Full load output Voltage	60-75V
Rated output current	230mA
Output current range	230mA±5%
Power tolerance	±5%
Current output tolerance	±5%
Hold time	30S
Detection distance	5-7m
Short circuit protection	PASS
Over voltage protection	PASS
Over temperature protection	PASS
Withstand voltage	—

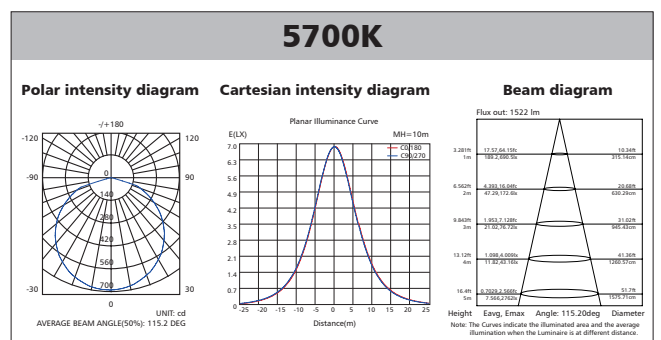
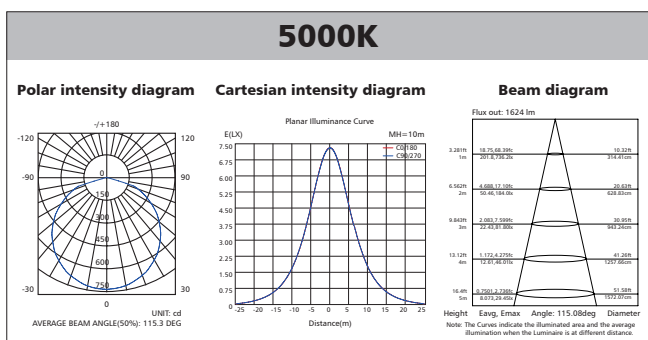
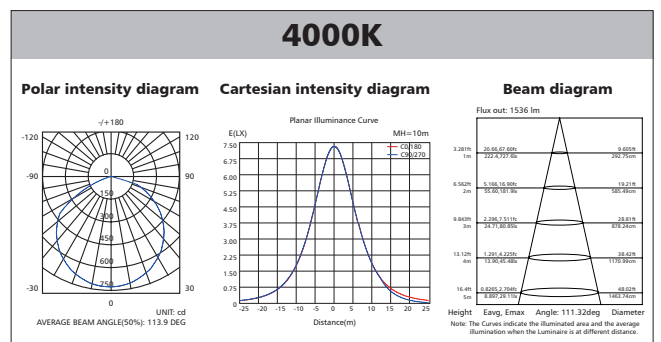
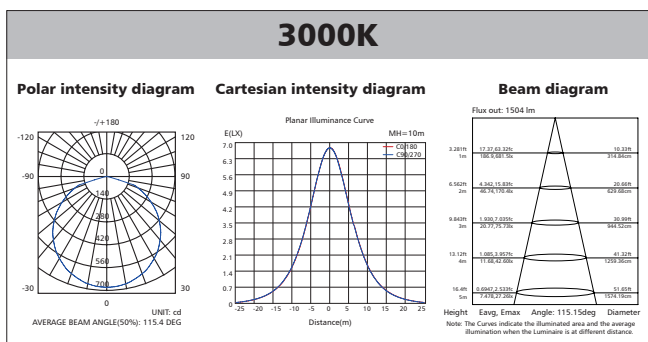
## Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
18W	II	IP54	-20°C~45°C	0~90%	-20°C~65°C

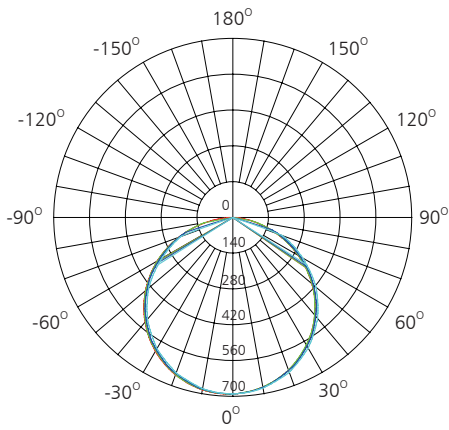
# Spectral Distribution



# Photometric Diagram



# Polar Diagram Comparison



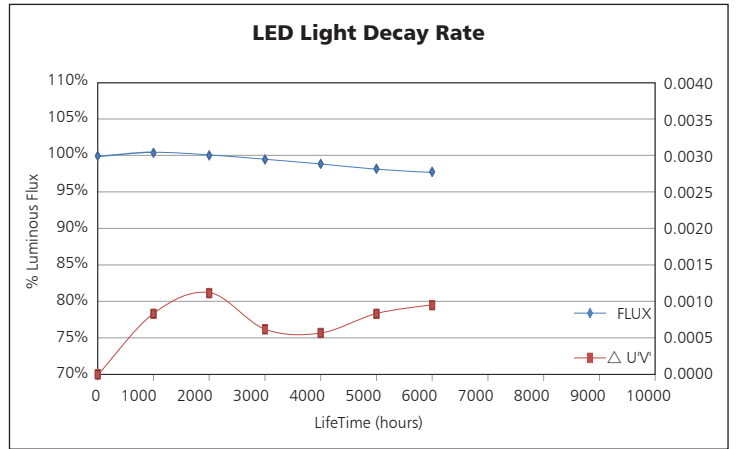
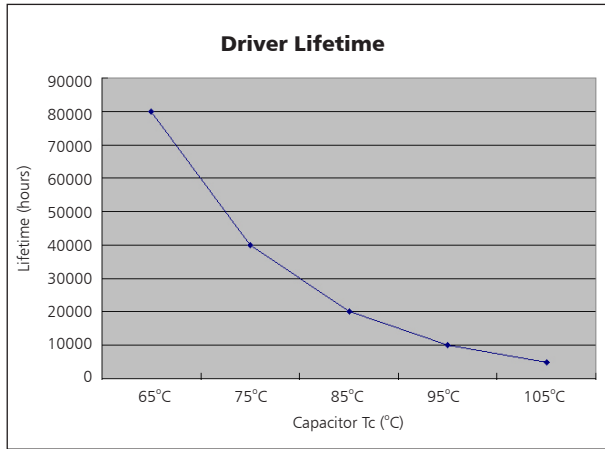
UNIT: cd

- C0/180, 115.2 deg
- C30/210, 115.2 deg
- C60/240, 115.2 deg
- C90/270, 115.1 deg



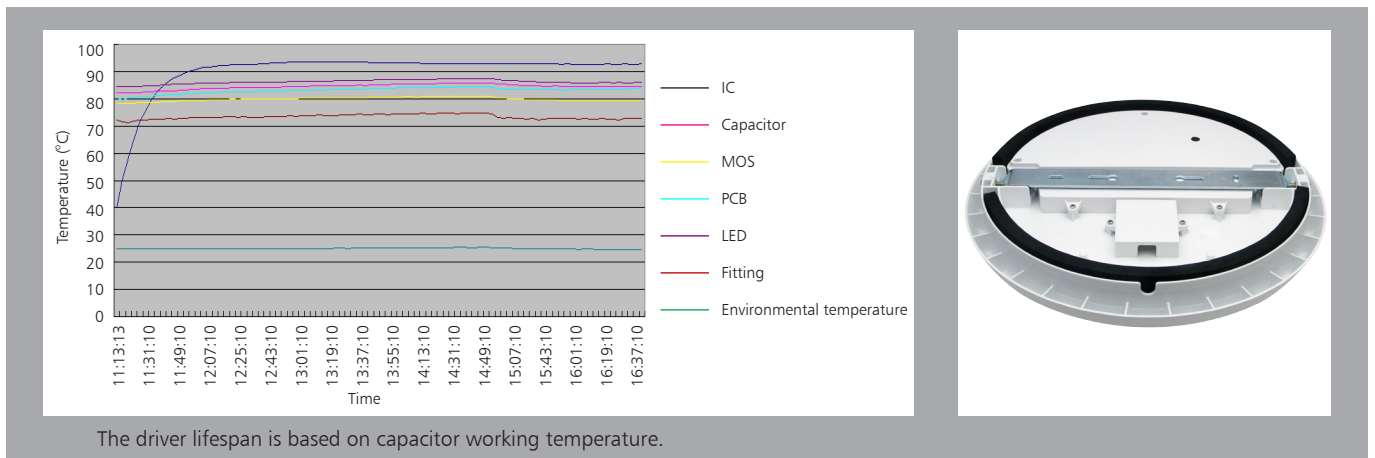
AVERAGE BEAM ANGLE (50%): 115.2 DEG

# 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

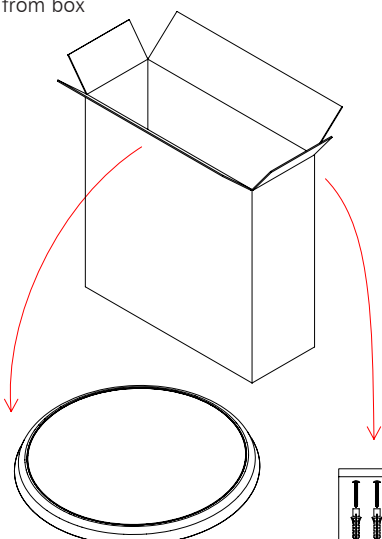


The driver lifespan is based on capacitor working temperature.

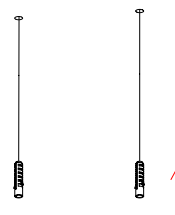


# Installation

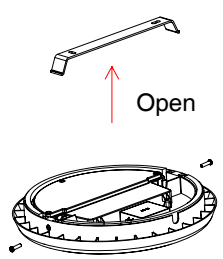
1. Take out ceiling light and accessory pack from box



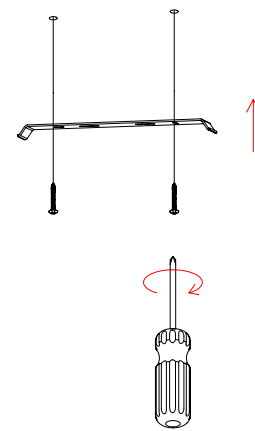
2. Knock-in the plastic anchor into ceiling



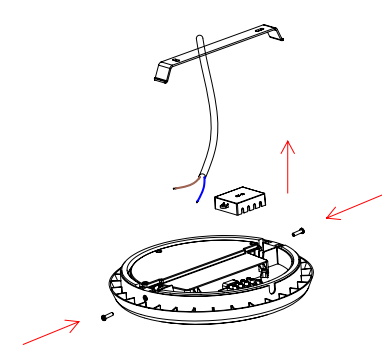
3. Remove screw, take out bracket



4. Fix bracket with screw into the ceiling

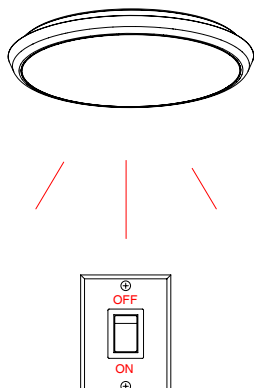


5. Open junction box, wire "L""N" to terminal block and mount ceiling light into the right place



— L = SWITCHED  
— N = NEUTRAL

6. Switch on



## Packaging Information

	SIZE(CM)	N.W./pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	61*32.5*33.5	1.05	12.5	10

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	410	4100	28
40" standard container	820	8200	56

