



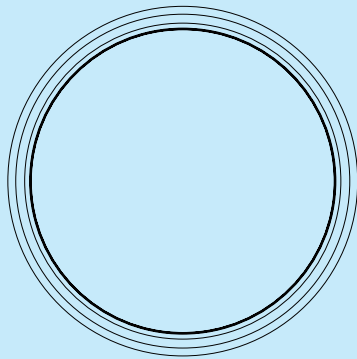
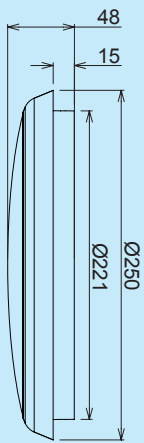
Up-shine® Lighting



Technical Application  
Guide for UP SHINE  
LED Ceiling light

UP-AL08-10-12W-E

# Introduction



Upshine 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 40,000 hours
- Dimmable when using triac dimmer
- 120° wide beam angle
- CCT: 3000K 4000K 5000K 5700K
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances

## Emergency Function:

- Smart IC control, self-test starts after the luminaire is connected to mains for continued 24 hours.
- 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.



## Technical Specifications

Model	Voltage	Power	Power Factor	Lumen ( $\pm 5\%$ )	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
UP-AL08-10-12W-E	AC230V	12W	$\geq 0.9$	996	120°	3000K	40000h	$\geq 80$	No	$\varnothing 250 \times 48\text{mm}$
UP-AL08-10-12W-E	AC230V	12W	$\geq 0.9$	1056	120°	4000K	40000h	$\geq 80$	No	$\varnothing 250 \times 48\text{mm}$
UP-AL08-10-12W-E	AC230V	12W	$\geq 0.9$	1068	120°	5000K	40000h	$\geq 80$	No	$\varnothing 250 \times 48\text{mm}$
UP-AL08-10-12W-E	AC230V	12W	$\geq 0.9$	1020	120°	5700K	40000h	$\geq 80$	No	$\varnothing 250 \times 48\text{mm}$

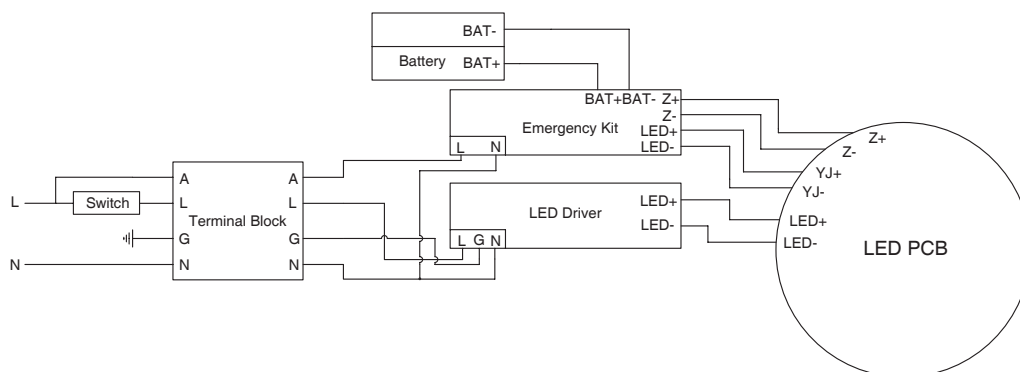
## Driver data Sheet

Driver data	Emergency	Main Power
Input rated Voltage	AC230V	AC230V
Frequency	50Hz	50Hz
Input Voltage	AC200-240V	AC200-240V
Efficiency	$\geq 70\%$	$\geq 88\%$
No load wattage	—	$\leq 0.4\text{W}$
Total load Wattage	$4\text{W} \pm 0.5\text{W}$	$12\text{W} \pm 1\text{W}$
Power Factor	—	$\geq 0.9$
Rated input current	$\leq 0.04\text{A}$	$\leq 0.07\text{A}$
Full load output Voltage	DC24-38V	60-75V
Rated output current	100-170mA	150mA
Output current range	—	$150\text{mA} \pm 5\%$
Power tolerance	—	$\pm 5\%$
Current output tolerance	—	$\pm 5\%$
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

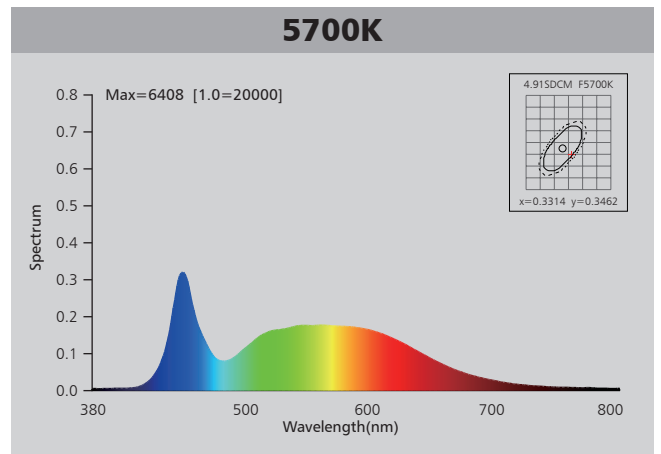
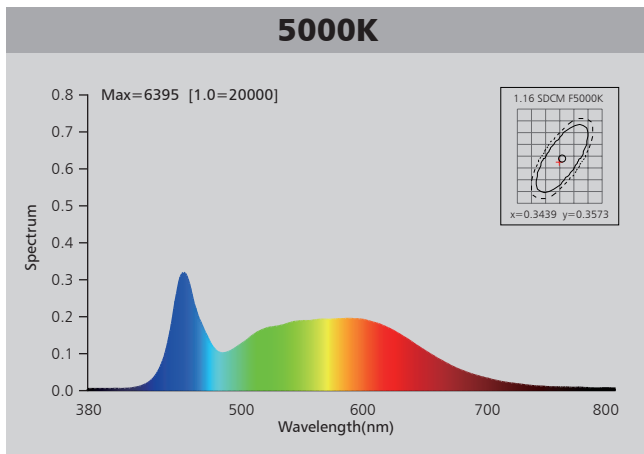
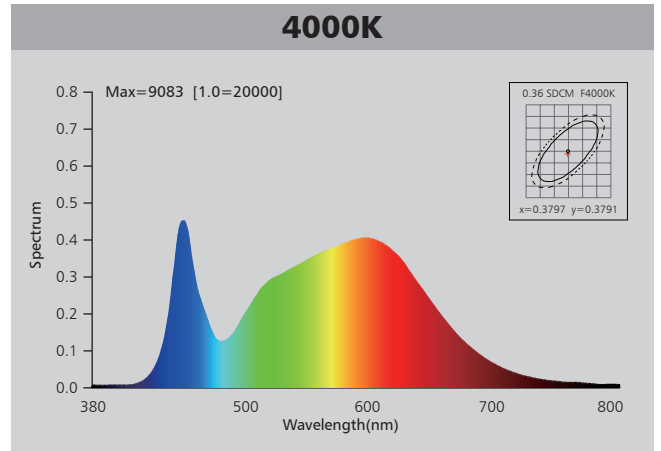
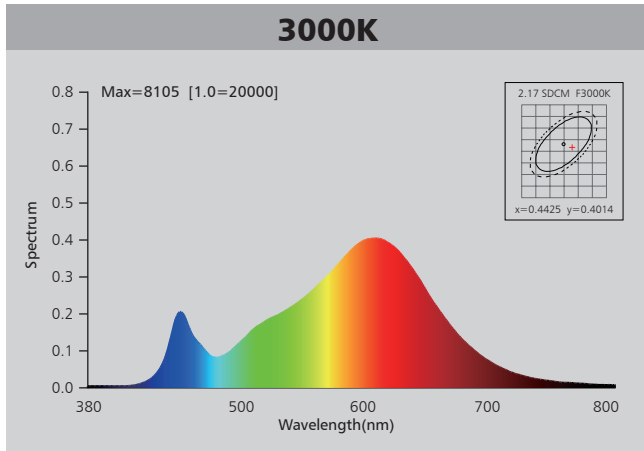
## Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
12W	II	IP54	$-20^{\circ}\text{C} \sim 45^{\circ}\text{C}$	0~90%	$-20^{\circ}\text{C} \sim 65^{\circ}\text{C}$

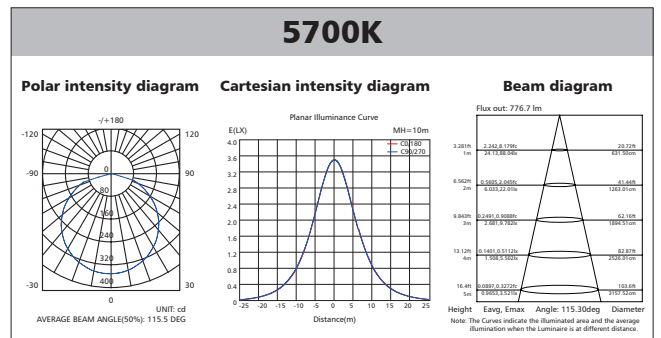
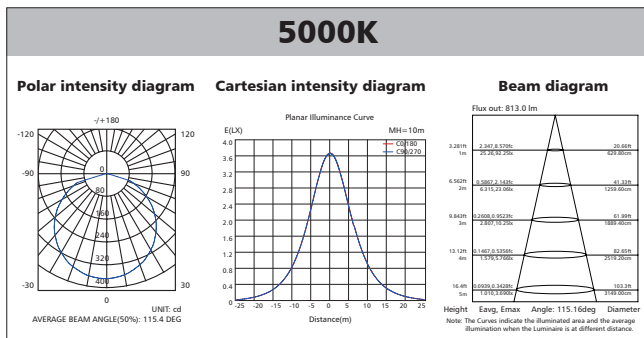
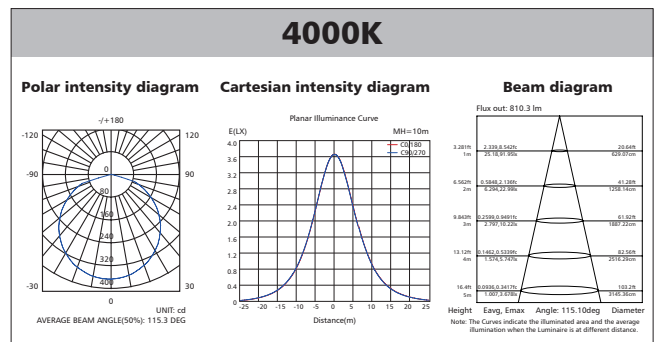
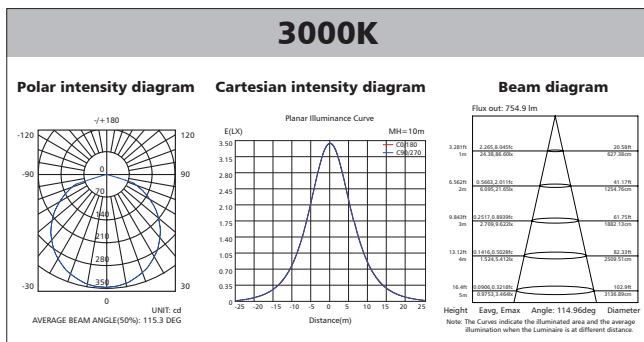
## Wiring Diagram:



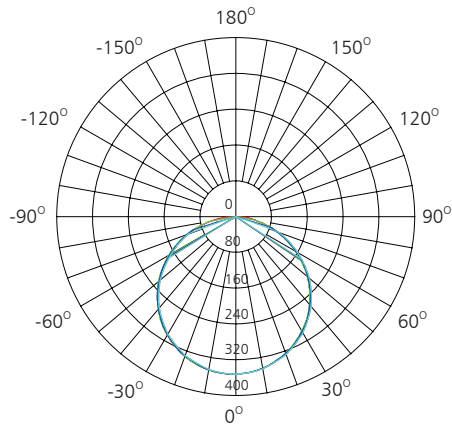
# Spectral Distribution



# Photometric Diagram

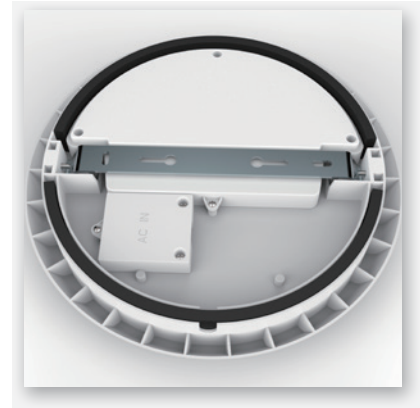


## Polar Diagram Comparison



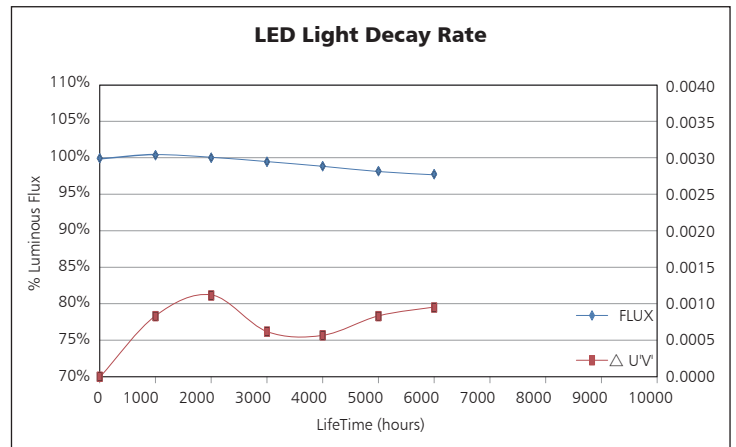
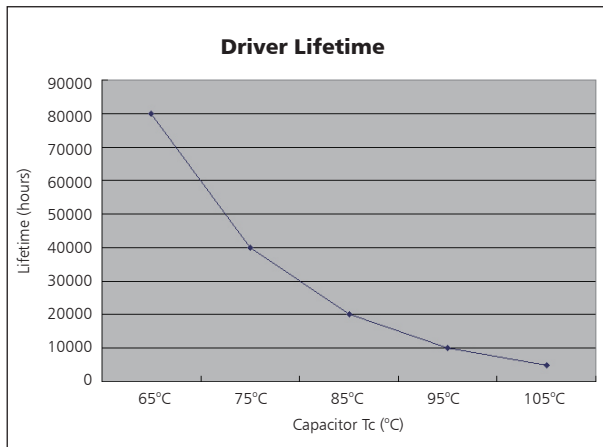
UNIT: cd

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



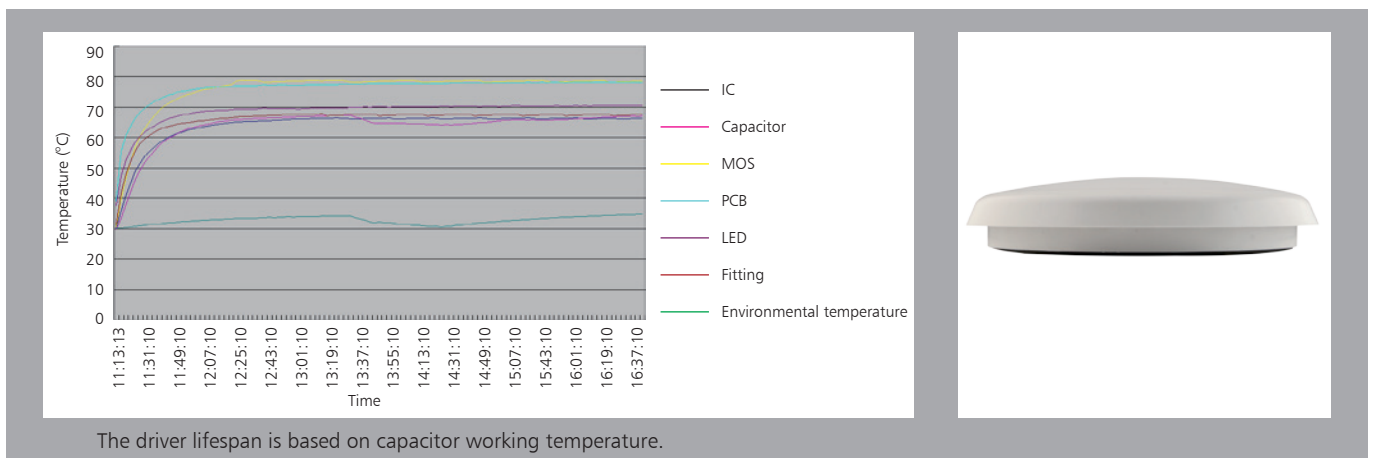
AVERAGE BEAM ANGLE (50%): 115.5 DEG

## 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

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 "A" "L" "N" "G" to terminal block and mount ceiling light into the right place

- A = Brown
- L = Brown
- ⊕ = Yellow-Green
- N = Blue

6. Switch on

# Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	61*53.5*28.5	0.8	17	20

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	297	5940	28
40" standard container	595	11900	56

