



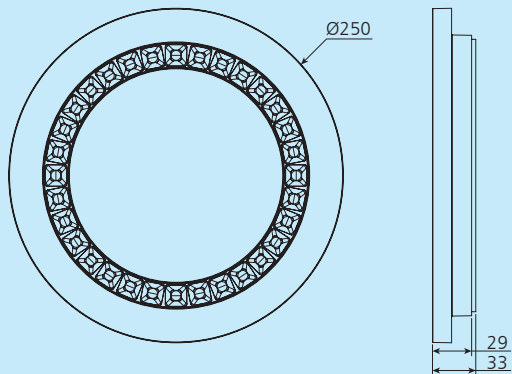
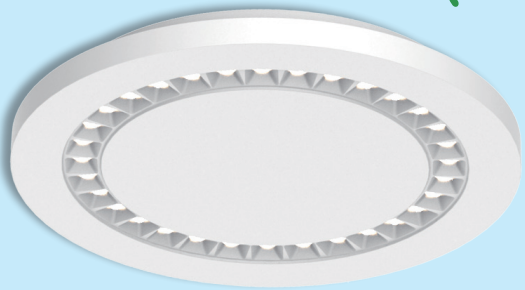
UPSHINE[®]



Technical Application Guide for UP SHINE LED Ceiling light

UP-AL37-10-12W-S

Introduction



AL37 Anti-glare LED ceiling light adopts multi-louver reflectors, effectively reduces glare index (UGR) to protecting human eyes. Luminous efficiency 120lm/w. Energy saving more than 70%. Equipped with fast connection terminal, installation could be completed easily by rotating lamp fixture to the fixed bracket. Compact slim design, total height less than 33mm, looks elegant, can be widely used in various lighting applications. 94-V0 fire-rated PC material housing. Heat can be conducted through large pieces of aluminum plate, excellent heat dissipation. Ensure safety and long using lifespan.

- Up to 70% energy saving compared to standard CFL
- Long lifetime of 50,000 hours
- 100° 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 switches on automatically when presence detected.
- ◆ After presence left, light will continuously work within time-delay (30 seconds), then switch off automatically.
- ◆ After presence left, any movement detected within time-delay (30 seconds), the light will continuously work for another hold time (30 seconds), then switch off until next movement detected.
- ◆ Hold time: 30S

Application Areas

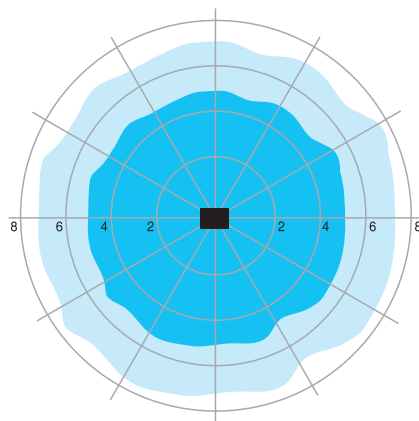
Suitable for commercial and residential applications like office, supermarket, shop, school, hotel, restaurant, workshop, warehouse, home etc.

Certificate

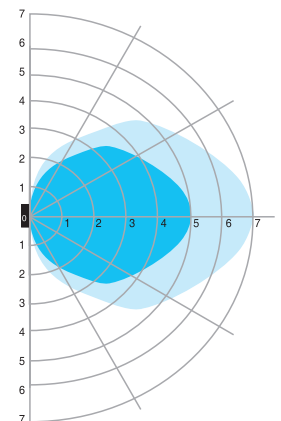
CE RoHS SAA

Detection Pattern

Ceiling Mounting pattern



Wall Mounting pattern



■ High detection area ■ Low detection area (Unit: m)



Technical Specifications

| Model | Voltage | Power | Power Factor | Lumen (±5%) | Beam angle | CCT | Lifespan | CRI | Dimmable | Dimension |
|------------------|---------|-------|--------------|-------------|------------|-------|----------|-----|----------|-----------|
| UP-AL37-10-12W-S | AC230V | 12W | ≥0.9 | 1355 | 100° | 3000K | 50000h | ≥80 | No | Ø250*33mm |
| UP-AL37-10-12W-S | AC230V | 12W | ≥0.9 | 1470 | 100° | 4000K | 50000h | ≥80 | No | Ø250*33mm |
| UP-AL37-10-12W-S | AC230V | 12W | ≥0.9 | 1495 | 100° | 5000K | 50000h | ≥80 | No | Ø250*33mm |
| UP-AL37-10-12W-S | AC230V | 12W | ≥0.9 | 1520 | 100° | 5700K | 50000h | ≥80 | No | Ø250*33mm |

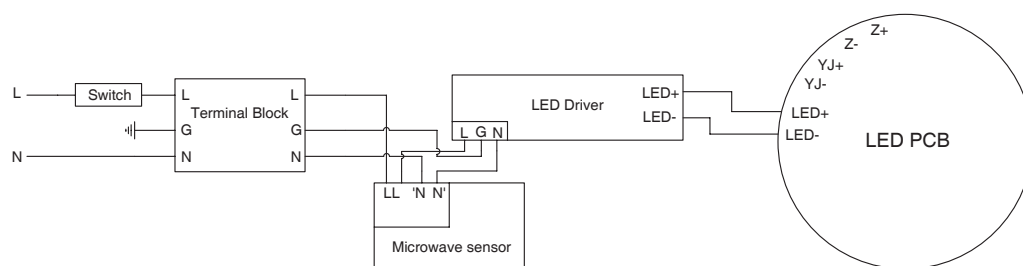
Driver data Sheet

| Driver data | Sensor | Main Power |
|-----------------------------|------------|------------|
| Input rated Voltage | AC230V | AC230V |
| Frequency | 50Hz | 50Hz |
| Input Voltage | AC200-240V | AC200-240V |
| Efficiency | — | ≥88% |
| No load wattage | — | ≤0.5W |
| Total load Wattage | 2W±0.5W | 12W±1W |
| Power Factor | — | ≥0.9 |
| Rated input current | ≤0.02A | ≤0.07A |
| Full load output Voltage | — | 70-96V |
| Rated output current | — | 120mA |
| Output current range | — | 120mA±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 | — | — |

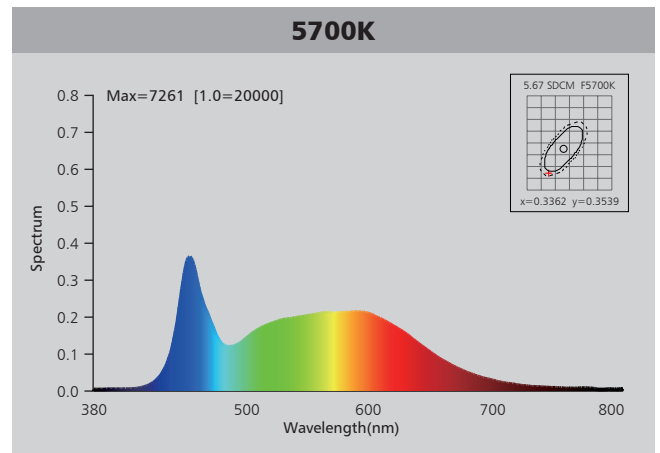
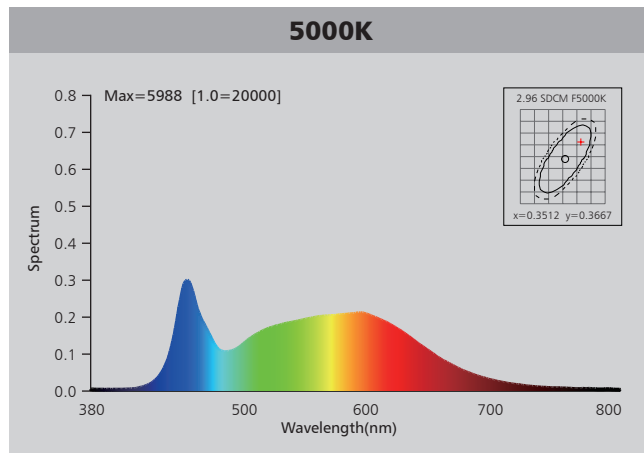
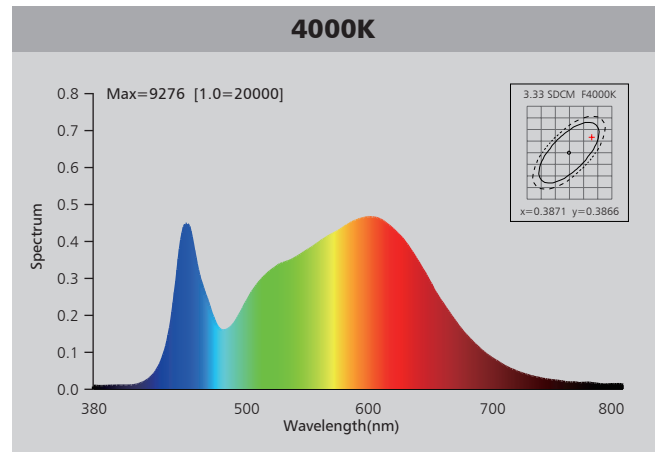
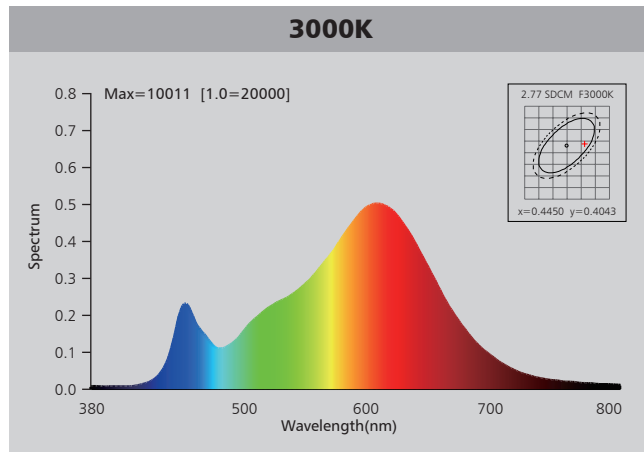
Fixture Compatibility

| Rated Wattage | Electrical Classification | Ingress Protection | Operating Temp | Operating Humidity | Storage Temp |
|---------------|---------------------------|--------------------|----------------|--------------------|--------------|
| 12W | II | IP40 | -20°C~45°C | 0~90% | -20°C~65°C |

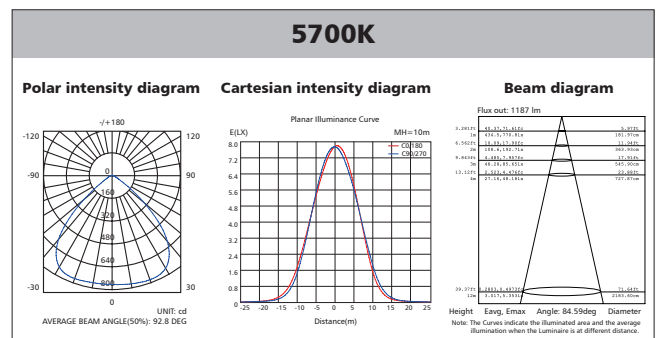
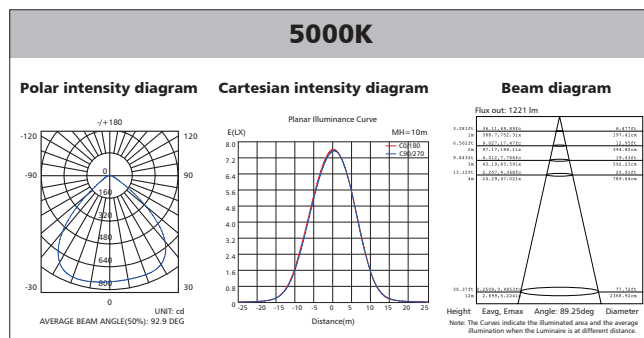
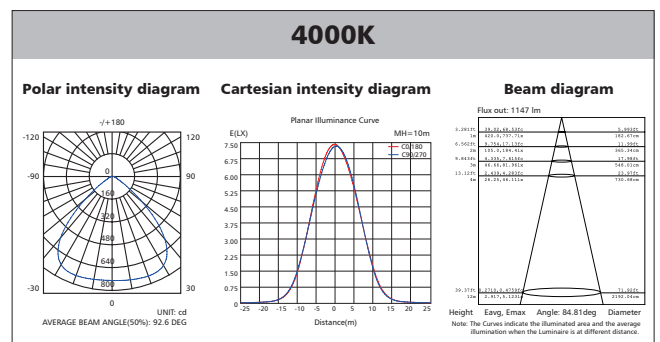
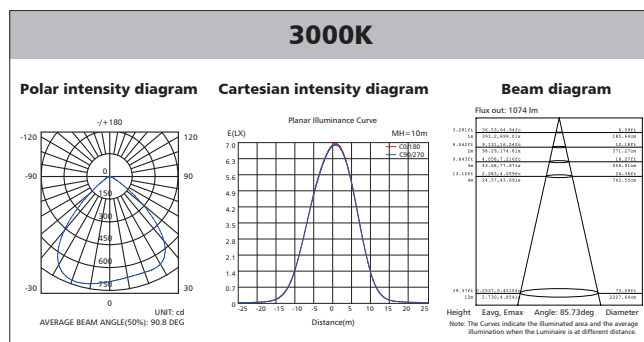
Wiring Diagram:



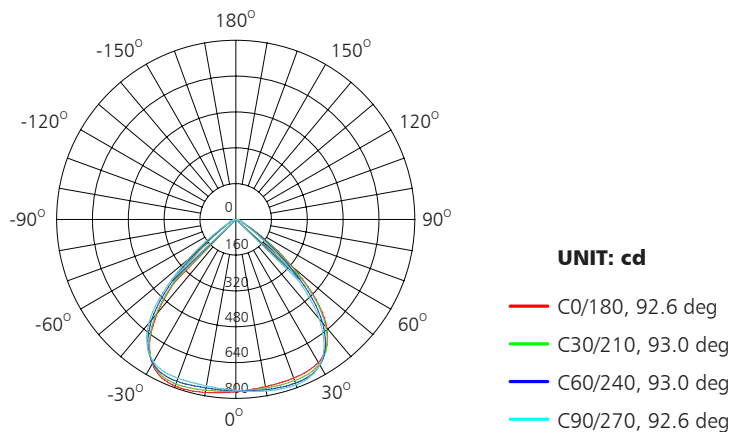
Spectral Distribution



Photometric Diagram



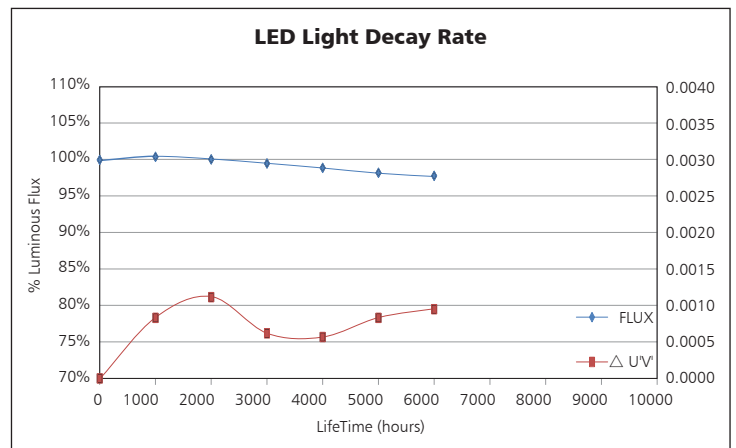
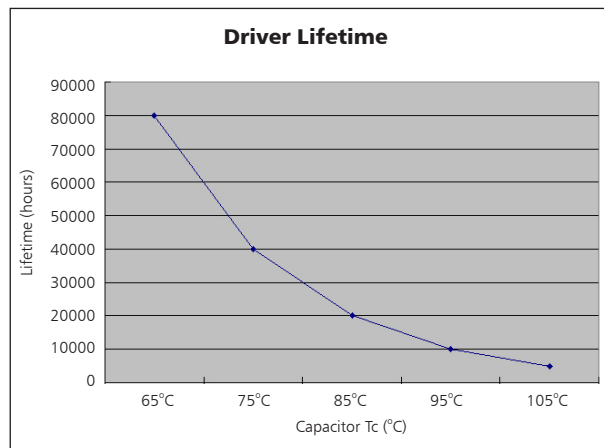
Polar Diagram Comparison



AVERAGE BEAM ANGLE (50%): 92.8DEG

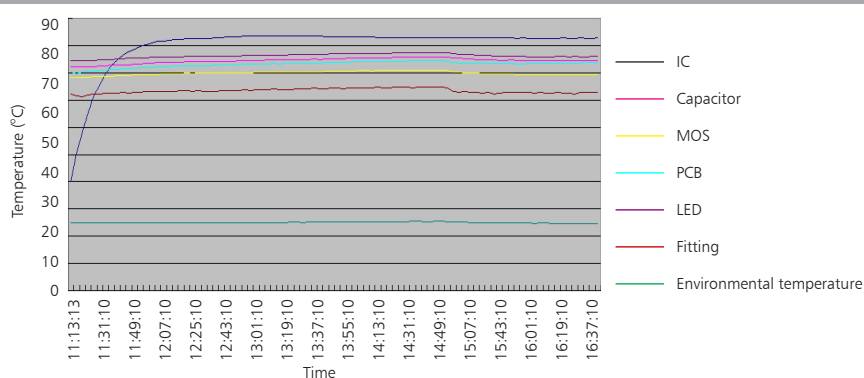


Driver lifetime & LED light decay rate



Temperature

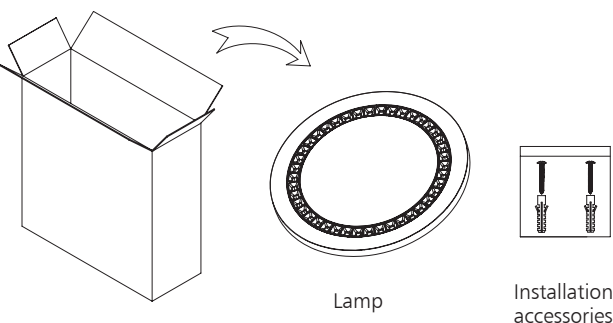
- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C



The driver lifespan is based on capacitor working temperature.

Installation

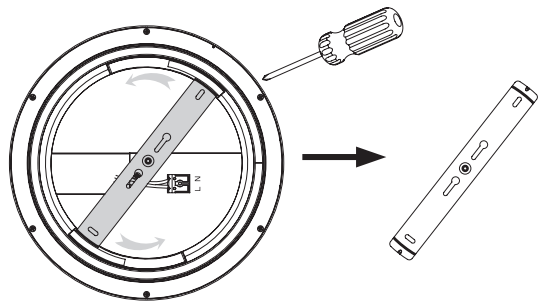
1



Lamp

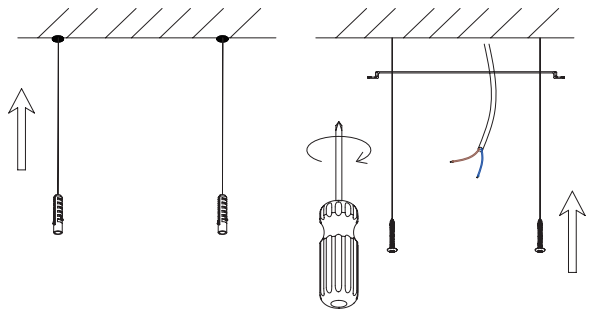
Installation accessories

2



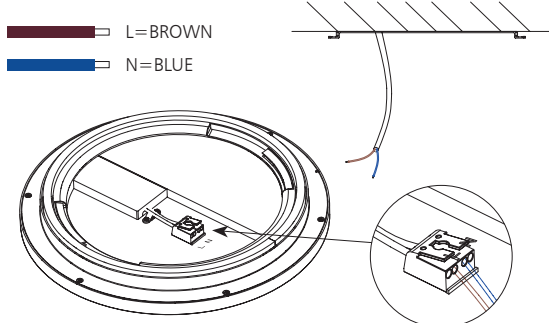
Pull out the bracket anticlockwise by screw driver, take out the bracket.

3



Knock the plastic anchor into ceiling, fix the bracket with screws on the ceiling.

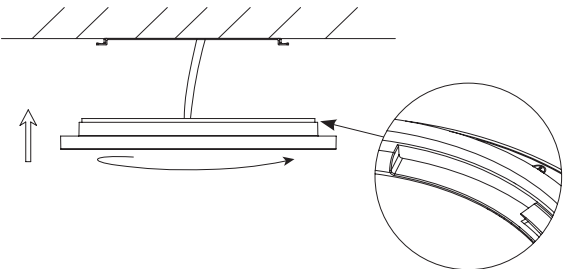
4



Wire "L" "N" to terminal block.

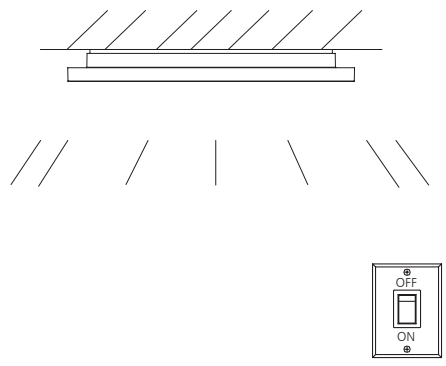
L=BROWN
N=BLUE

5



Push the lamp upward and rotate it into bracket. Rotate the lamp clockwise until it is firmly fixed.

6



Packaging Information

| | SIZE(CM) | N.W/pc (KGS) | G.W.(KGS) | Q'TY(PCS) |
|--------|----------|--------------|-----------|-----------|
| Carton | 54*28*42 | 0.64 | 14.5 | 20 |

| | CTNS | Q'TY(PCS) | VOLUME(CBM) |
|------------------------|------|-----------|-------------|
| 20" standard container | 434 | 8680 | 28 |
| 40" standard container | 868 | 173600 | 56 |

