



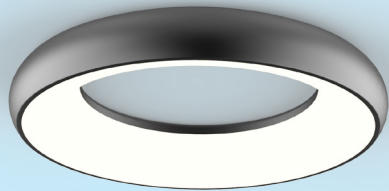
Up-shine® Lighting



# Technical Application Guide for UP-SHINE LED Ceiling light

UP-AL24A-12-25W

# Introduction



The hollow shape is full of creativity which brings vitality into ordinary lamp body and shows faultless performance, provides a strong sense of space.

The curved light direction emphasizes target object in a smooth and dramatic atmosphere, revealing an unexpected art inspiration design, which brings a comfortable way of visual experience.

By having an arc luminous surface, we break traditional design. The circular light output offers a magic 3D effect; rotate buckle on the base to make installation easier and faster.

- Up to 70% energy saving compared to standard CFL
- Long lifetime of 40,000 hours
- Triac 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

Suitable for leisure location, such as: home, hotel, library, restaurant, cafe shop etc.

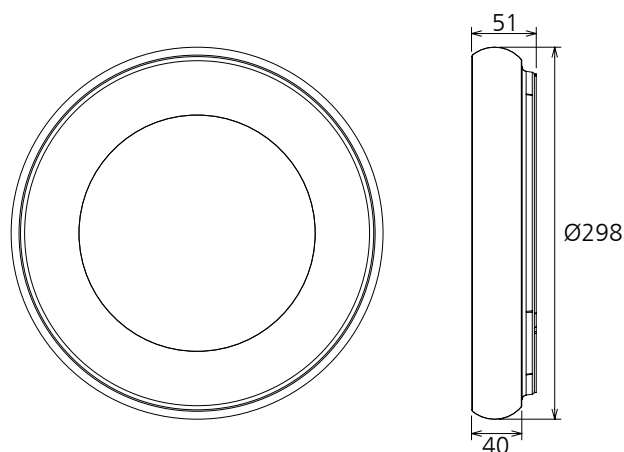
## Certificate



**RoHS**



# Product Information



## Technical Specifications

| Model             | Voltage    | Power | Power Factor | Lumen (±5%) | Beam angle | CCT   | Lifespan | CRI | Dimmable | Dimension |
|-------------------|------------|-------|--------------|-------------|------------|-------|----------|-----|----------|-----------|
| UP-AL24A-12-25W   | AC100-277V | 25W   | ≥0.9         | 1850        | 120°       | 3000K | 40000h   | ≥80 | No       | Ø298*51mm |
| UP-AL24A-12-25W   | AC100-277V | 25W   | ≥0.9         | 2000        | 120°       | 4000K | 40000h   | ≥80 | No       | Ø298*51mm |
| UP-AL24A-12-25W   | AC100-277V | 25W   | ≥0.9         | 1950        | 120°       | 5000K | 40000h   | ≥80 | No       | Ø298*51mm |
| UP-AL24A-12-25W   | AC100-277V | 25W   | ≥0.9         | 1990        | 120°       | 5700K | 40000h   | ≥80 | No       | Ø298*51mm |
| UP-AL24A-12-25W-D | AC230V     | 25W   | ≥0.9         | 1760        | 120°       | 3000K | 40000h   | ≥80 | Yes      | Ø298*51mm |
| UP-AL24A-12-25W-D | AC230V     | 25W   | ≥0.9         | 1900        | 120°       | 4000K | 40000h   | ≥80 | Yes      | Ø298*51mm |
| UP-AL24A-12-25W-D | AC230V     | 25W   | ≥0.9         | 1860        | 120°       | 5000K | 40000h   | ≥80 | Yes      | Ø298*51mm |
| UP-AL24A-12-25W-D | AC230V     | 25W   | ≥0.9         | 1900        | 120°       | 5700K | 40000h   | ≥80 | Yes      | Ø298*51mm |

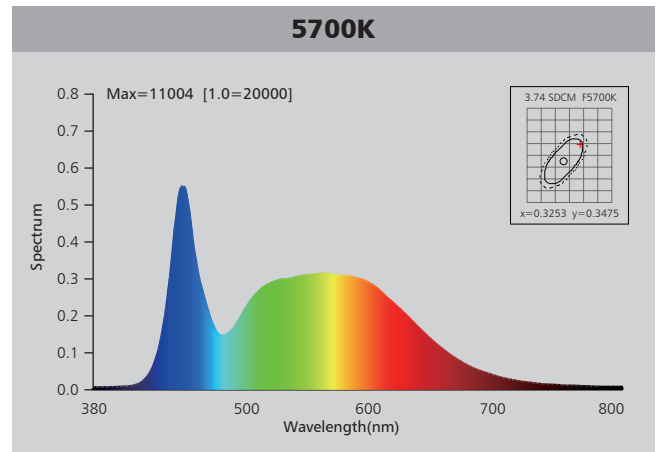
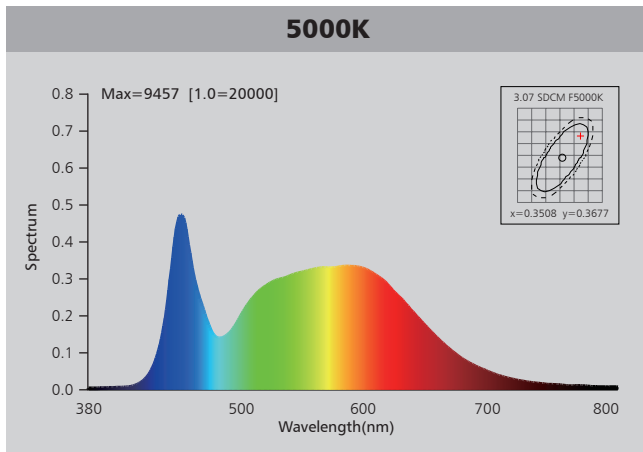
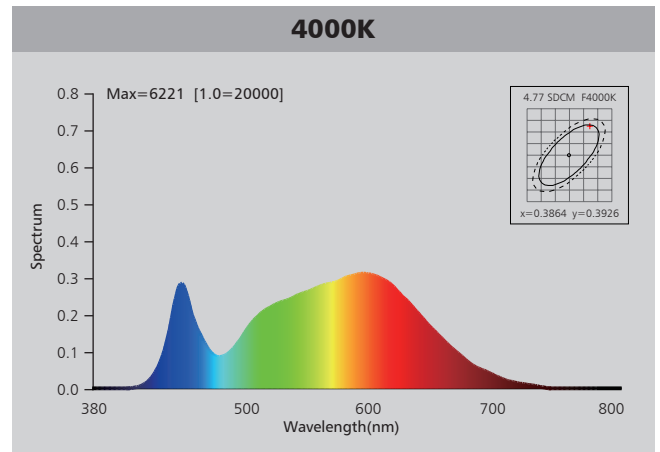
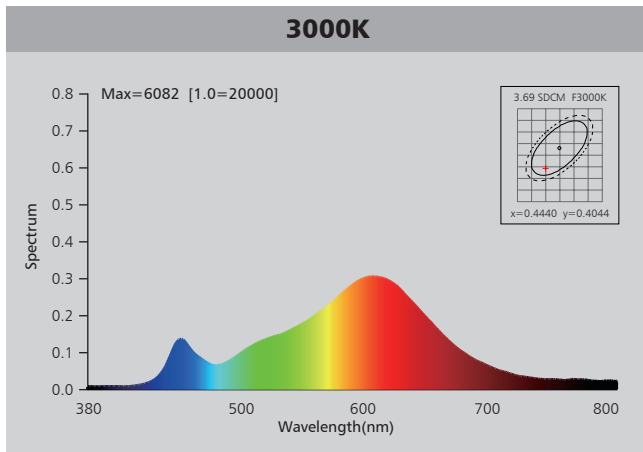
## Driver data Sheet

| Driver data                 | DIM           | Non dim    |
|-----------------------------|---------------|------------|
| Input rated Voltage         | AC230V        | AC100-277V |
| Frequency                   | 50Hz          | 50/60Hz    |
| Input Voltage               | AC200-240V    | AC90-305V  |
| Efficiency                  | ≥85%          | ≥88%       |
| Total load Wattage          | 25W±5%        | 25W±5%     |
| Power Factor                | ≥0.9          | ≥0.9       |
| Rated input current         | ≤0.14A        | ≤0.28A     |
| Full load output Voltage    | DC65-78V      | 65-78V     |
| Rated output current        | 300mA         | 310mA      |
| Output current range        | 300mA±5%      | 310mA±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           | AC1500V       | AC1500V    |

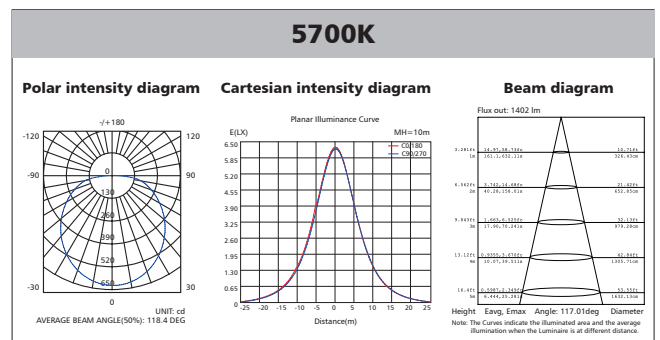
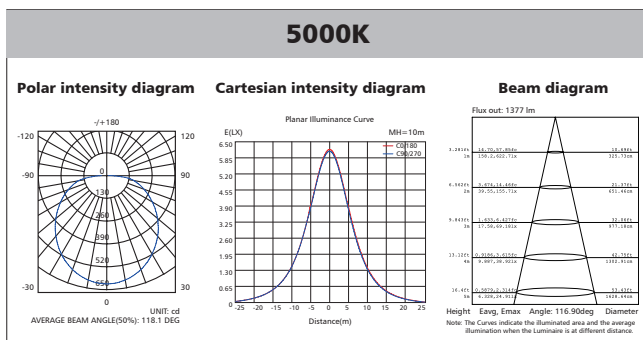
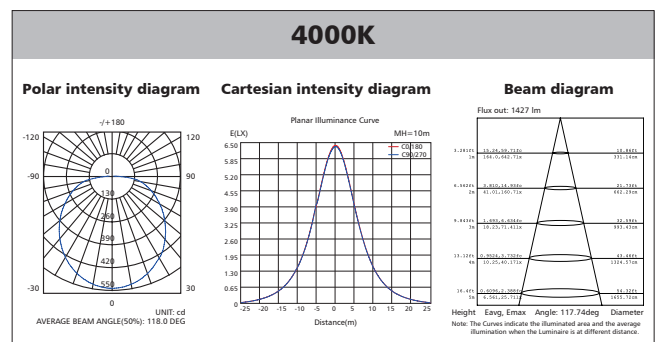
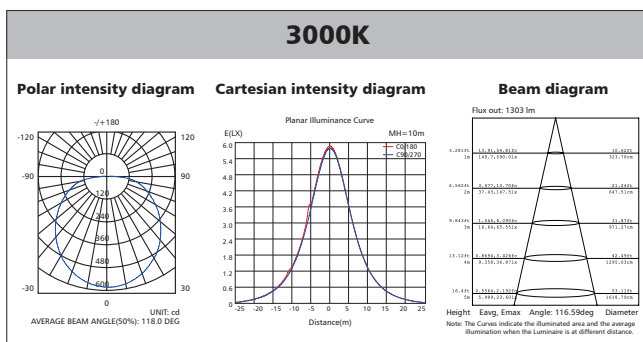
## Fixture Compatibility

| Rated Wattage | Electrical Classification | Ingress Protection | Operating Temp | Operating Humidity | Storage Temp |
|---------------|---------------------------|--------------------|----------------|--------------------|--------------|
| 25W           | I                         | IP40               | -20°C~45°C     | 0~90%              | -20°C~65°C   |

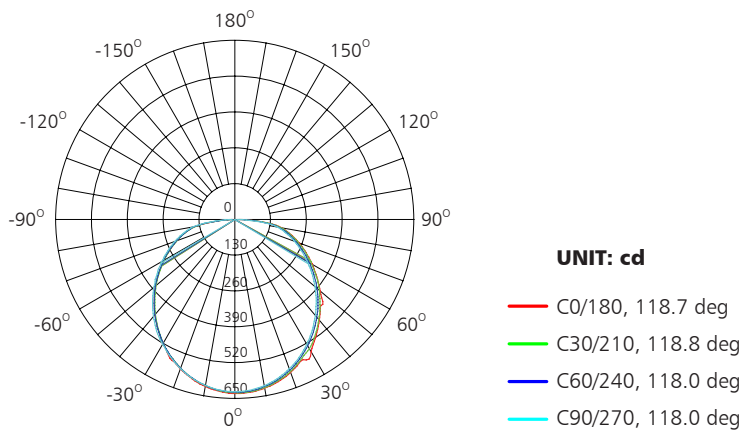
# Spectral Distribution



# Photometric Diagram



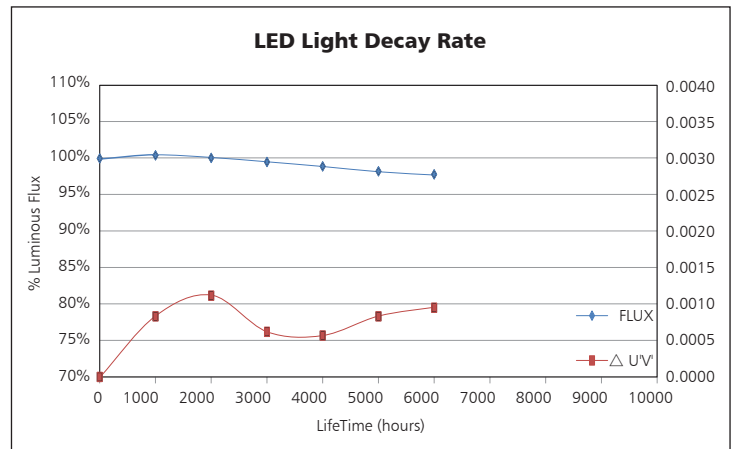
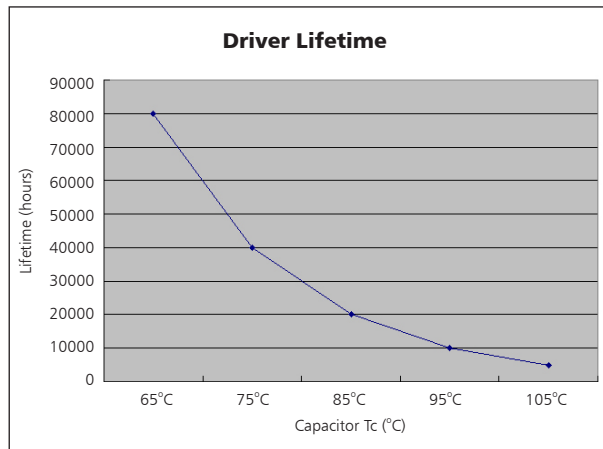
## Polar Diagram Comparison



AVERAGE BEAM ANGLE (50%): 118.4DEG

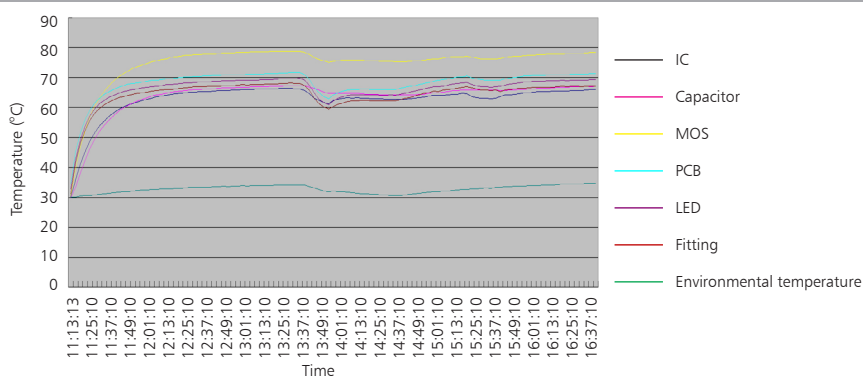


## Driver lifetime & LED light decay rate



## 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

**A Ring version**      **B Disc version**

Surface mount bracket  
 Type (A): Ring version, ceiling visible  
 Type (B): Disc version, completely closed, ceiling invisible  
 Surface mount bracket, choose either type A or Type B before purchasing.

1

Punch the plastic anchor into ceiling.

Fix bracket onto ceiling with screws.

2

Wiring the input AC cable to the lamp

3

L = BROWN  
 N = BLUE  
 ⊕ = YELLOW-GREEN

Rotate lamp housing to bracket properly. And check for correct installation.

4

30°

Finish

5

## Packaging Information

| A<br>Ring version | SIZE(CM)   | N.W/pc<br>(KGS) | G.W.(KGS) | Q'TY(PCs) |
|-------------------|------------|-----------------|-----------|-----------|
| Carton            | 61*32.5*33 | 0.8             | 10.5      | 10        |

| A<br>Ring version      | CTNS | Q'TY(PCs) | VOLUME(CBM) |
|------------------------|------|-----------|-------------|
| 20" standard container | 421  | 4210      | 28          |
| 40" standard container | 842  | 8420      | 56          |

| B<br>Disc version | SIZE(CM)       | N.W/pc<br>(KGS) | G.W.(KGS) | Q'TY(PCs) |
|-------------------|----------------|-----------------|-----------|-----------|
| Carton            | 62.5*36.5*32.5 | 1               | 12.5      | 10        |

| B<br>Disc version      | CTNS | Q'TY(PCs) | VOLUME(CBM) |
|------------------------|------|-----------|-------------|
| 20" standard container | 375  | 3750      | 28          |
| 40" standard container | 750  | 7500      | 56          |

