



UPSHINE®



Technical Application  
Guide for UP-SHINE  
LED Tube Light  
UP-T815W1500-R

# Introduction



Up-shine AL+PC LED Tube light adopts LM-80 2835 SMD LED with high brightness and slight light decay. Excellent cooling system with  $>0.8\text{mm}$  thickness AL6063 aluminum heatsink. Clear or frosted cover optional. V0 fire-rated PC cover, up to 95% light transmittance. Reliable LED driver with branded high quality capacitor and IC solution ensures excellent working performance.

- Up to 70% energy saving compared to traditional tube
- Long lifetime of 40,000 hours
- $120^\circ$  wide beam angle
- 1500mm length
- CCT: 3000K 4000K  
5000K 5700K
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances

## Application notes

- IP20 for indoor use
- 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

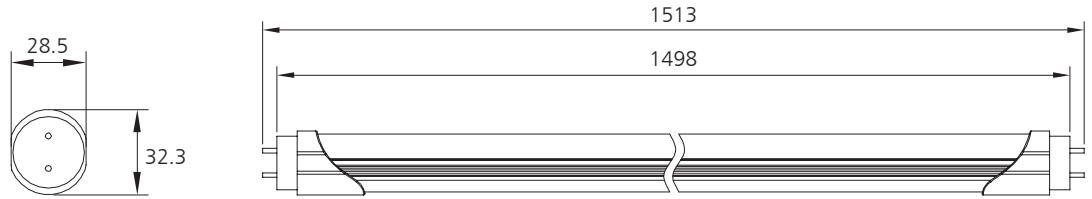
Suitable for commercial and residential applications like offices, supermarkets, shops, schools, hotels, restaurants, workshop, warehouse, homes etc.

## Certificates

**CE** **RoHS** **SAA**



# Product Information



## Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
UP-T815W1500-R	AC100-240V	15W	≥0.9	2130	120°	3000K	40000h	≥80	No	L1513*W28.5*H32.3mm
UP-T815W1500-R	AC100-240V	15W	≥0.9	2250	120°	4000K	40000h	≥80	No	L1513*W28.5*H32.3mm
UP-T815W1500-R	AC100-240V	15W	≥0.9	2280	120°	5000K	40000h	≥80	No	L1513*W28.5*H32.3mm
UP-T815W1500-R	AC100-240V	15W	≥0.9	2300	120°	5700K	40000h	≥80	No	L1513*W28.5*H32.3mm

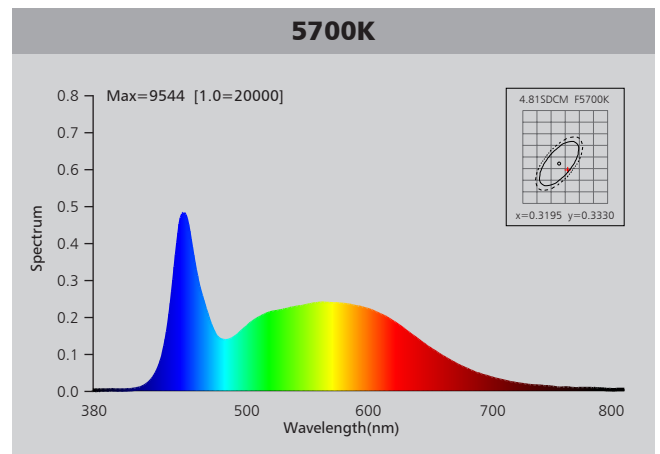
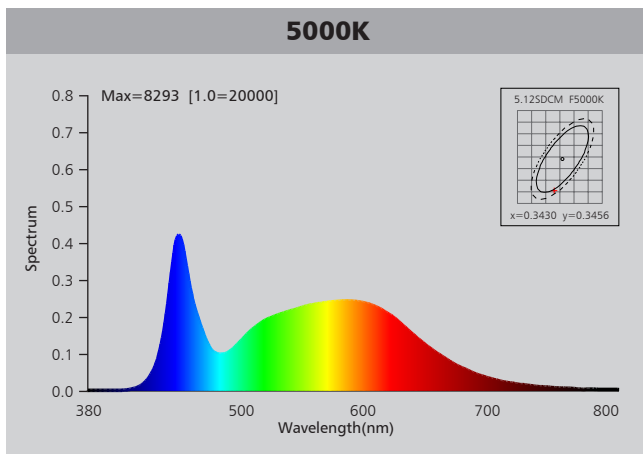
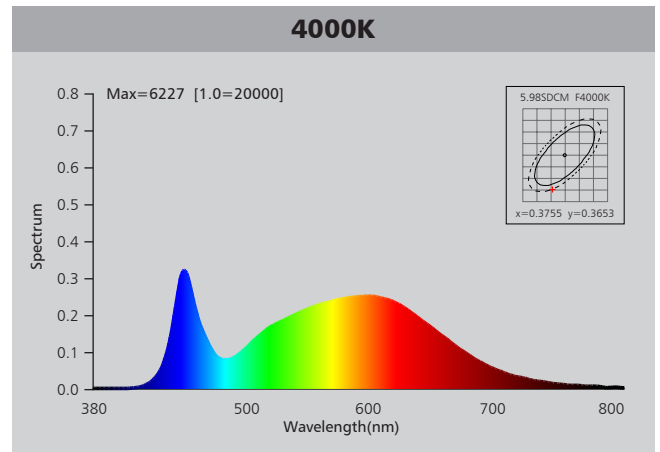
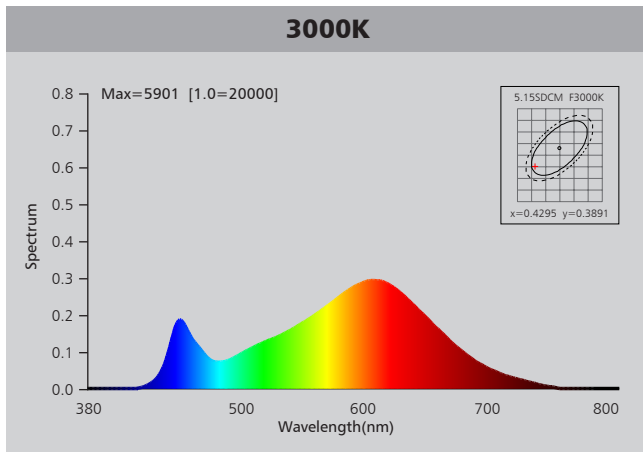
## Driver data Sheet

Driver data	Non-dim
Input rated Voltage	AC100-240V
Frequency	50/60Hz
Input Voltage	AC85-265V
Efficiency	≥85%
Total load Wattage	15W±1W
Power Factor	≥0.9
Rated input current	≤0.17A
Full load output Voltage	DC70-79V
Rated output current	200mA
Output current range	200mA±5%
Power tolerance	±5%
Current output tolerance	±5%
Short circuit protection	PASS
Over voltage protection	PASS
Over temperature protection	PASS

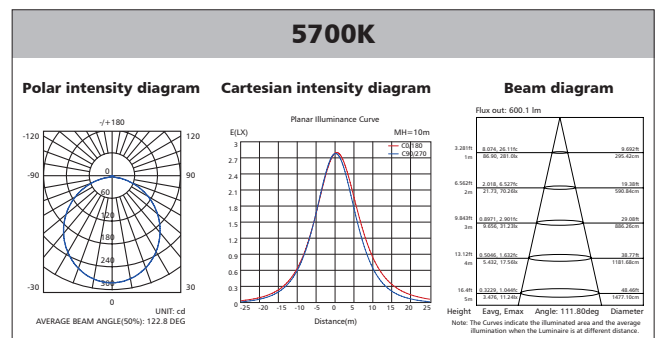
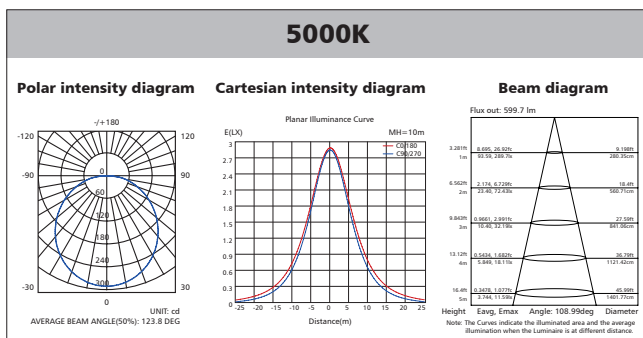
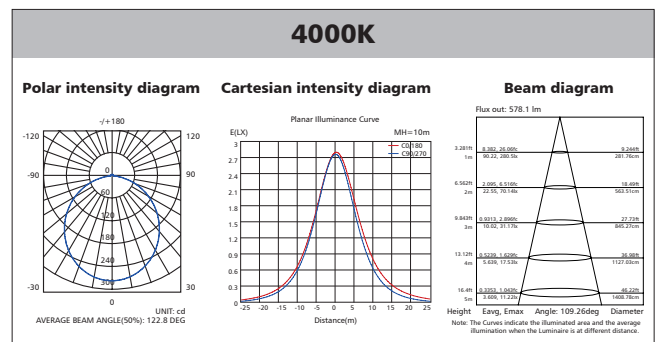
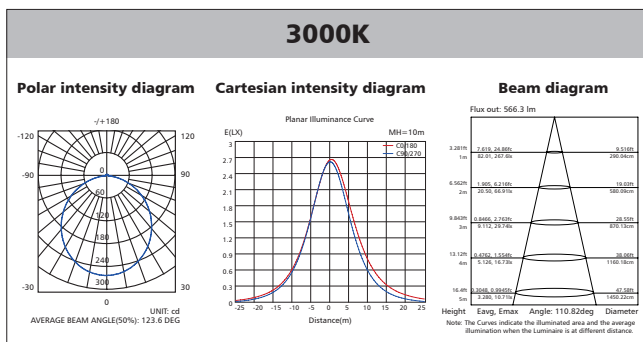
## Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
15W	II	IP20	-20°C~45°C	0~90%	-20°C~65°C

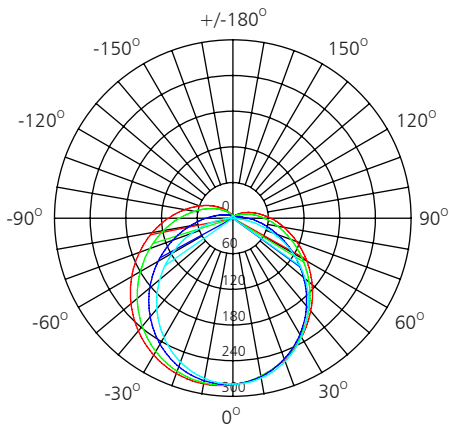
# Spectral Distribution



# Photometric Diagram



# Polar Diagram Comparison



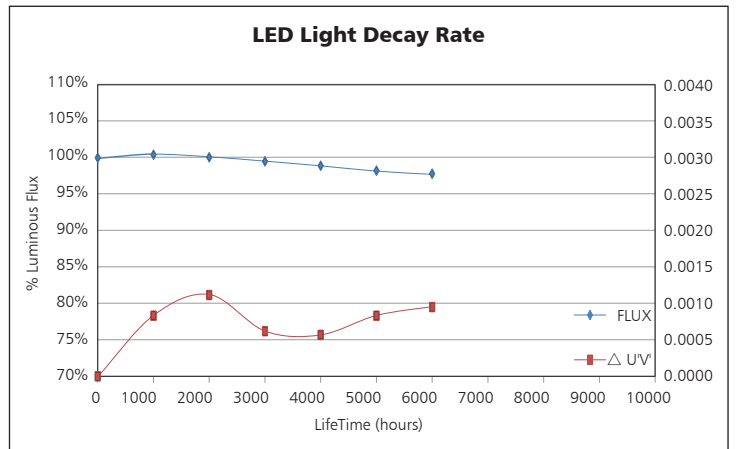
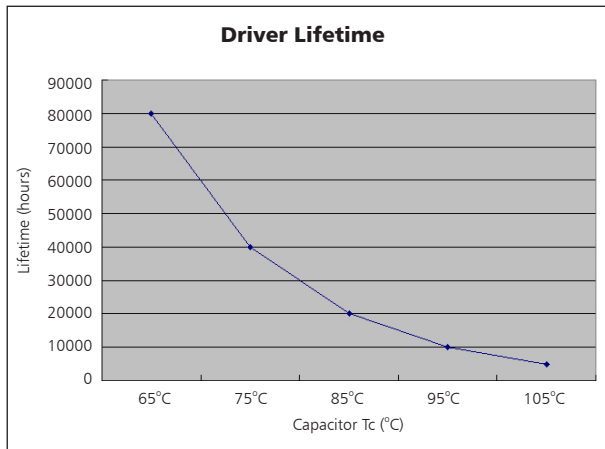
UNIT: cd

- C0/180, 139.4 deg
- C30/210, 130.6 deg
- C60/240, 115.5 deg
- C90/270, 109.7 deg

AVERAGE BEAM ANGLE (50%): 123.8DEG

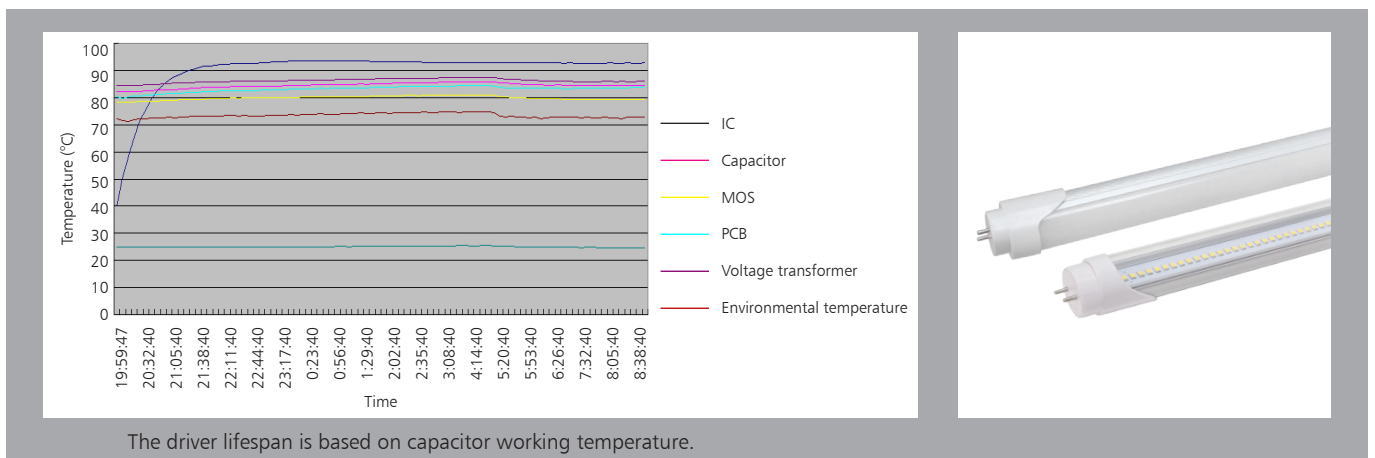


# Driver lifetime & LED light decay rate



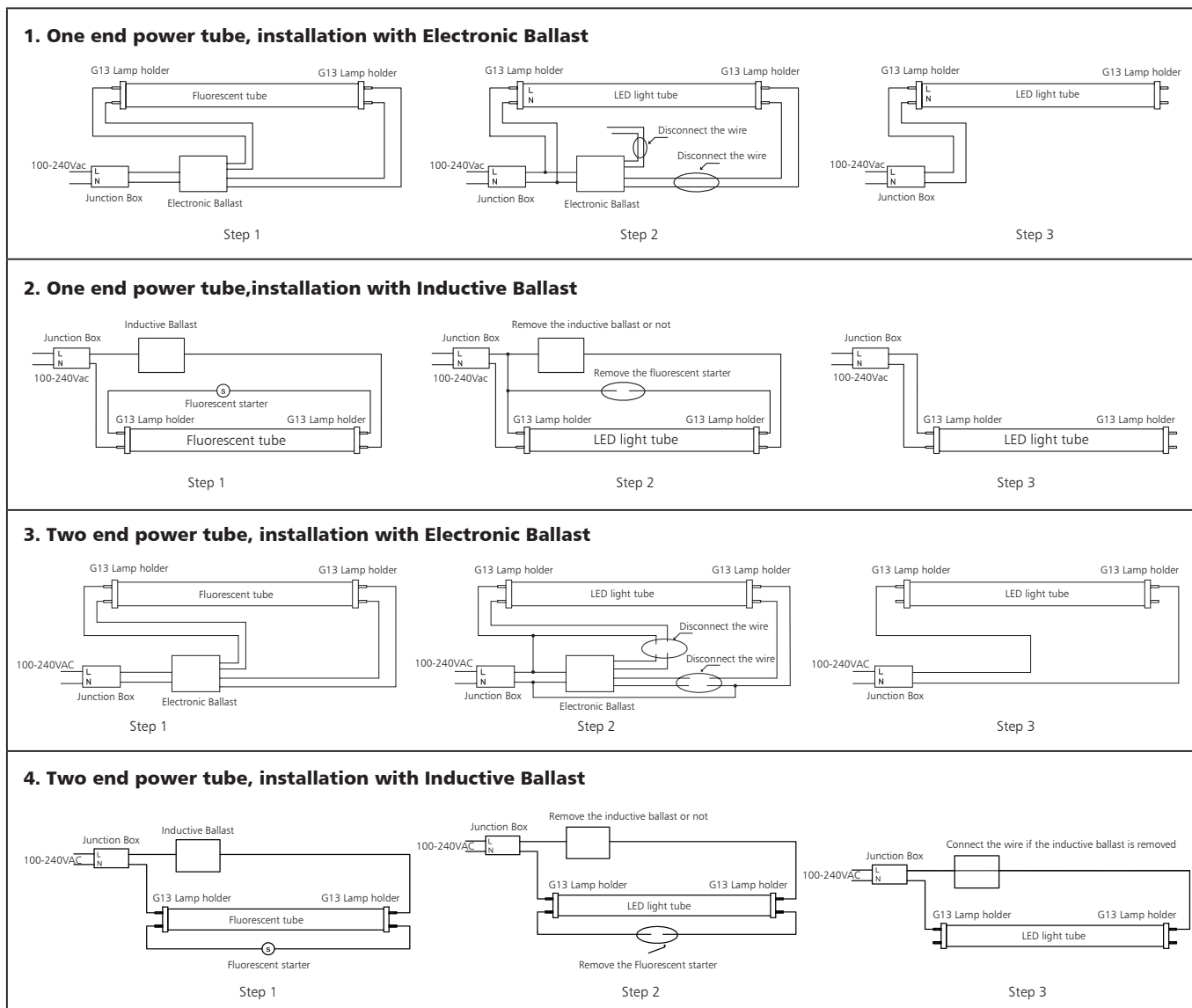
# Temperature

- 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



# Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	159.5*21*21	0.38	18.5	25

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	390	9750	28
40" standard container	780	19500	56

