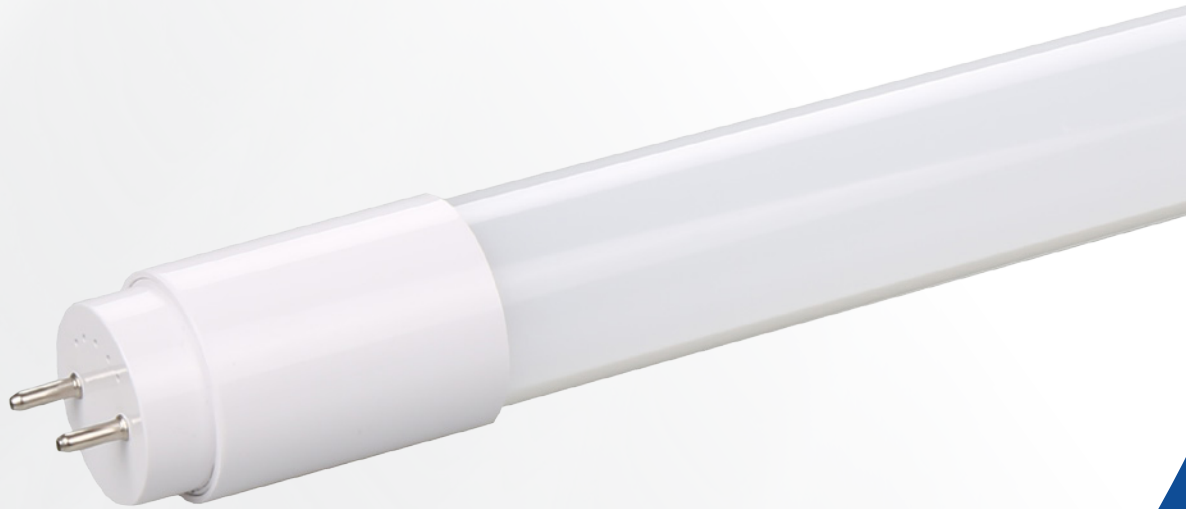




Up-shine<sup>®</sup> Lighting



Technical Application  
Guide for UP SHINE  
LED Tube Light  
UP-T816W1200-X

# Introduction



Up-shine high lumen and practical tube T8 adopts complete PC cover, using 2835SMD LED as light source, CRI > 80. V0 fire-rated full PC cover ensures high light transmittance and safe installation. No yellowing and cracking. With Built-in aluminum heatsink, our T8 tubes achieve high lighting performance and good heat dissipation.

- Up to 70% energy saving compared to traditional tube
- Long lifetime of 40,000 hours
- 120° wide beam angle
- 1200mm 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

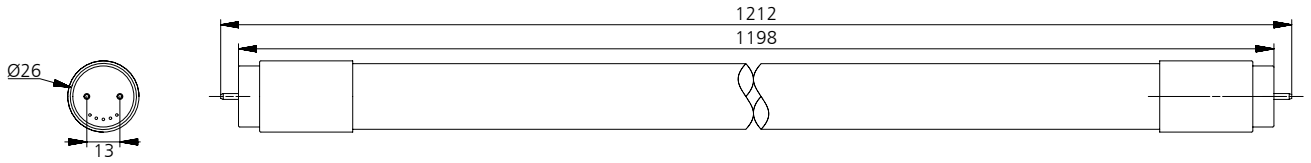
## Application Areas

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

## Certificates



# Product Information



## Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
UP-T816W1200-X	AC100-240V	16W	≥0.9	2160	120°	3000K	40000h	≥80	No	Ø26*1212mm
UP-T816W1200-X	AC100-240V	16W	≥0.9	2250	120°	4000K	40000h	≥80	No	Ø26*1212mm
UP-T816W1200-X	AC100-240V	16W	≥0.9	2210	120°	5000K	40000h	≥80	No	Ø26*1212mm
UP-T816W1200-X	AC100-240V	16W	≥0.9	2200	120°	5700K	40000h	≥80	No	Ø26*1212mm

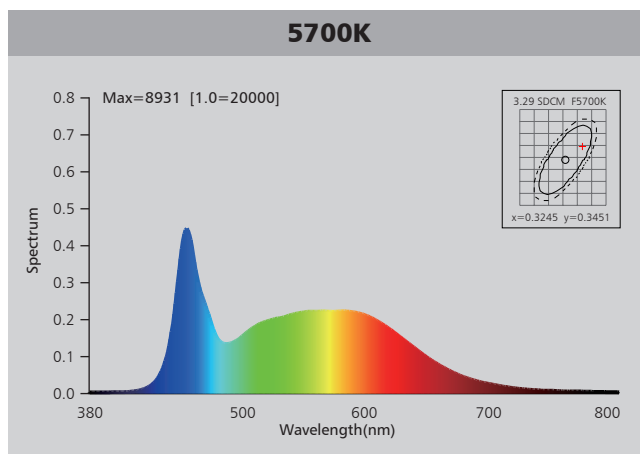
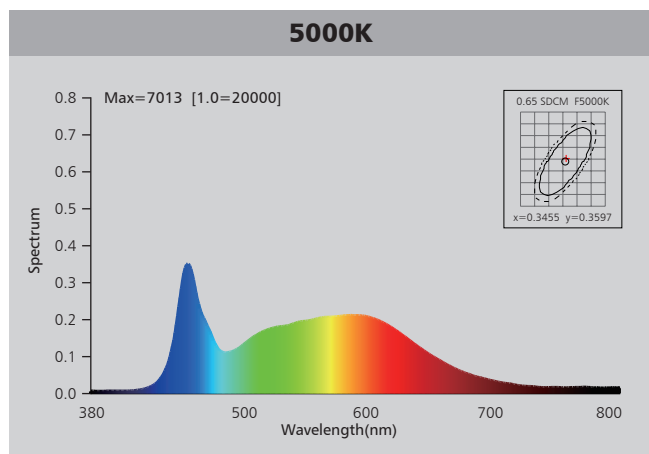
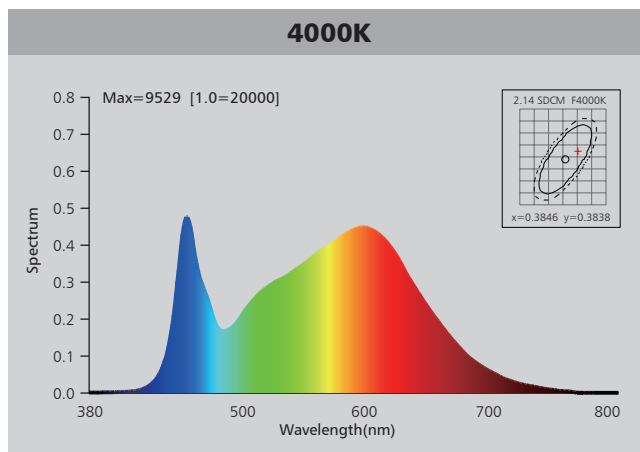
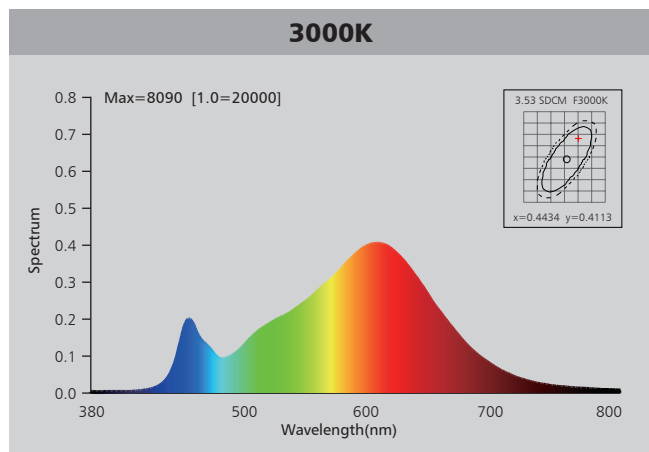
## Driver data Sheet

Driver data	Non-dim
Input rated Voltage	AC100-240V
Frequency	50/60HZ
Input Voltage	AC85-265V
Efficiency	≥89%
No load wattage	≤0.5W
Total load Wattage	16W±1W
Power Factor	≥0.9
Rated input current	≤0.25A
Full load output Voltage	DC65-75V
Rated output current	230mA
Output current range	230mA±5%
Power tolerance	±5%
Current output tolerance	±5%
Short circuit protection	PASS
Over temperature protection	PASS
THD	≤20%
Withstand Voltage	AC3000V

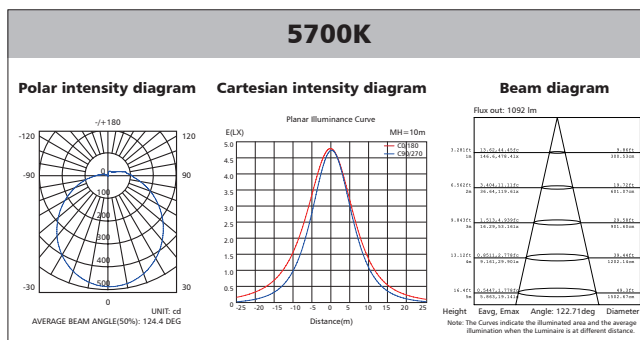
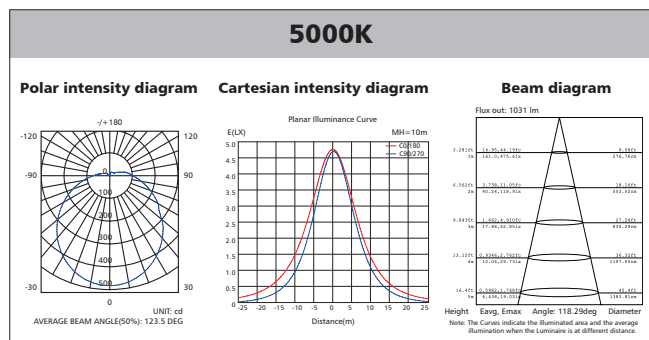
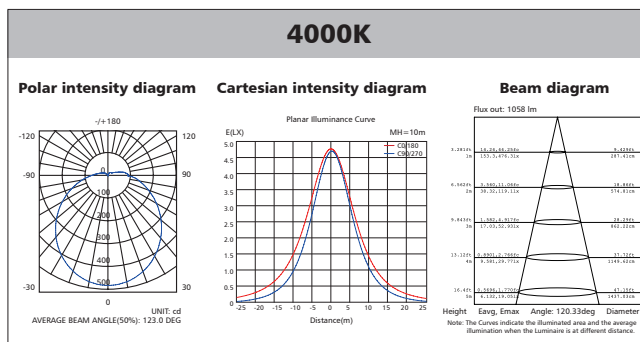
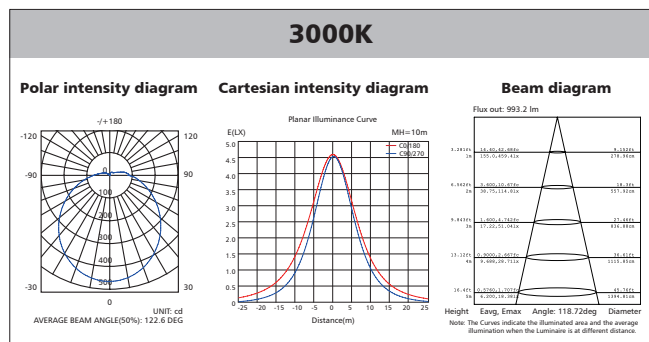
## Fixture Compatibility

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

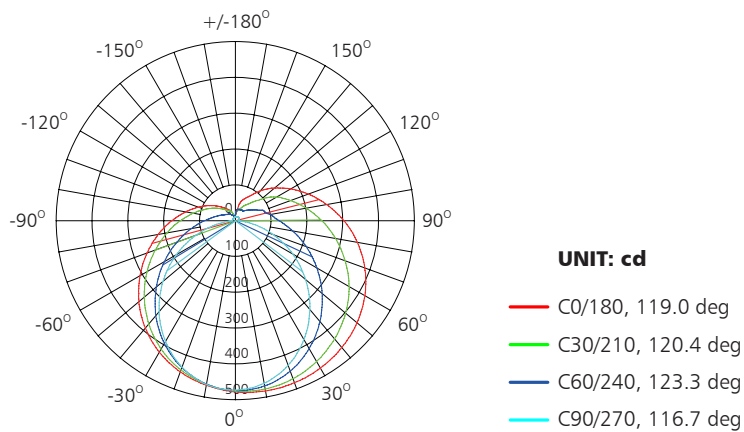
# Spectral Distribution



# Photometric Diagram



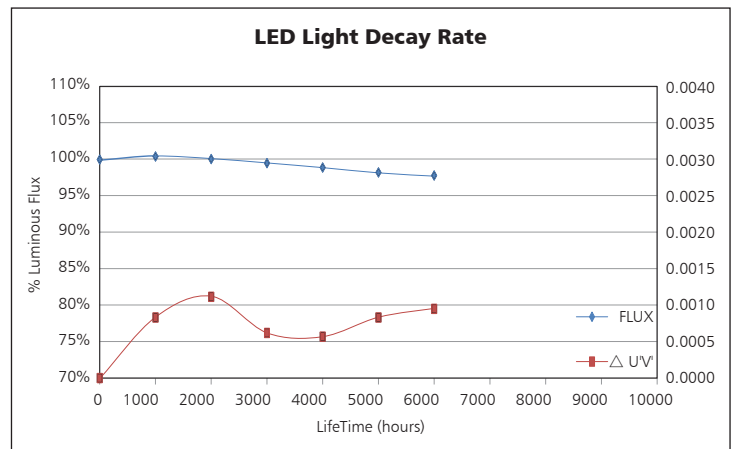
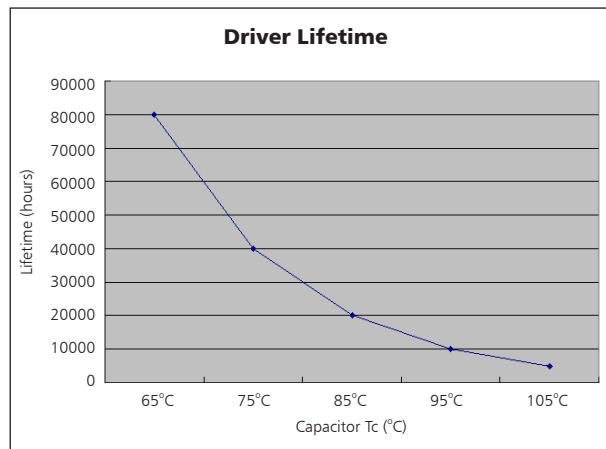
## Polar Diagram Comparison



AVERAGE BEAM ANGLE (50%): 124.4DEG

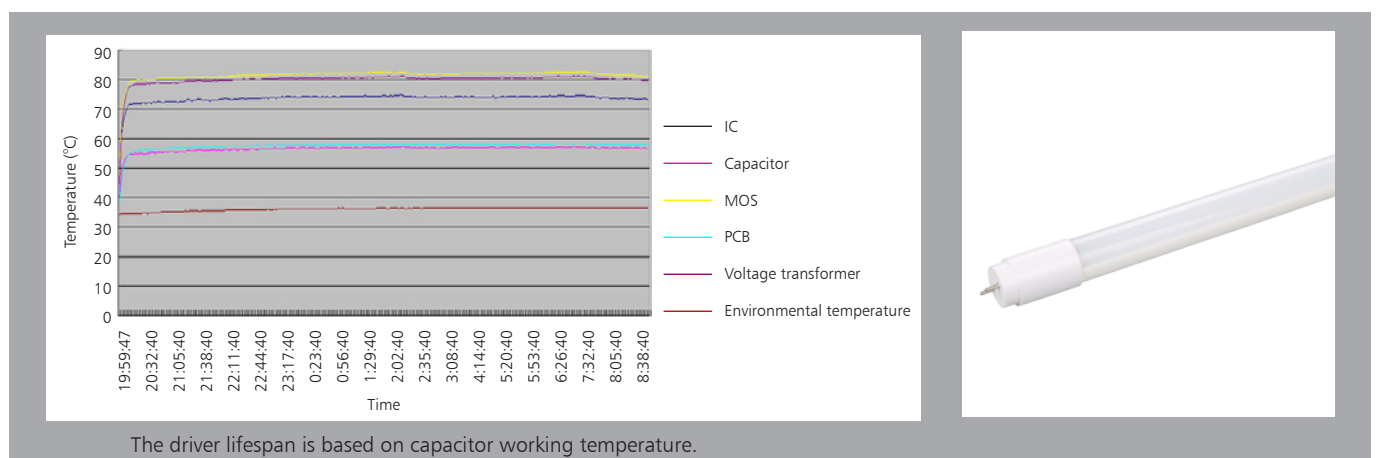


## Driver lifetime & LED light decay rate

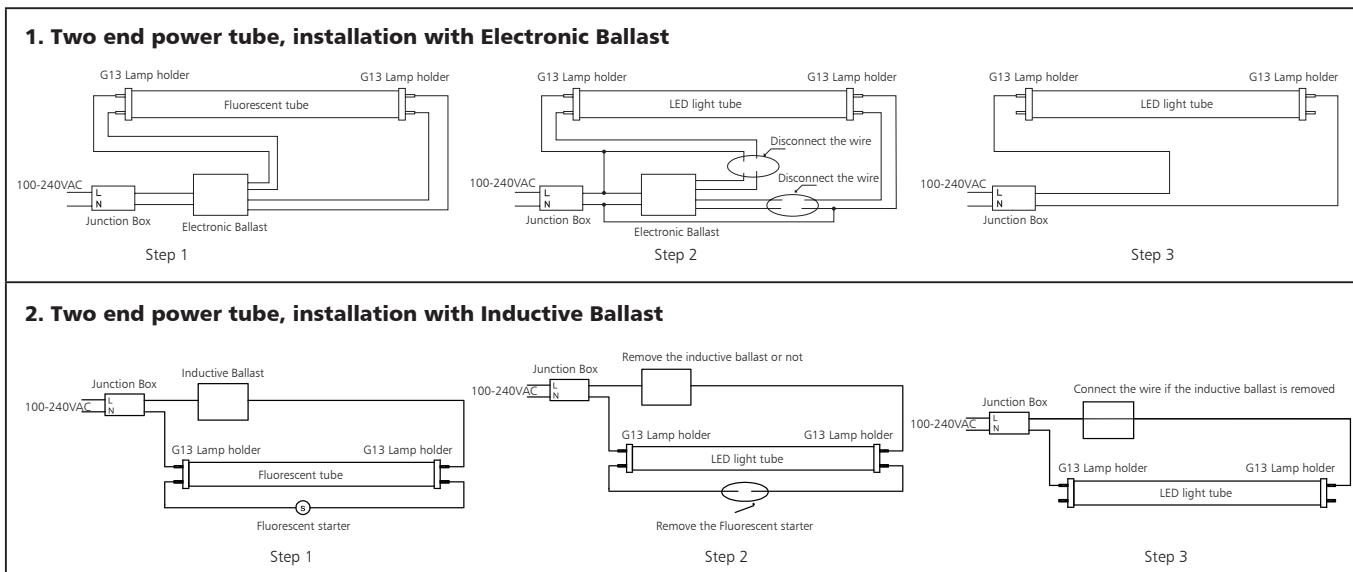


## Temperature

- 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



# Installation



# Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	125*21*21	0.19	11	25

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	498	12450	28
40" standard container	996	24900	56

