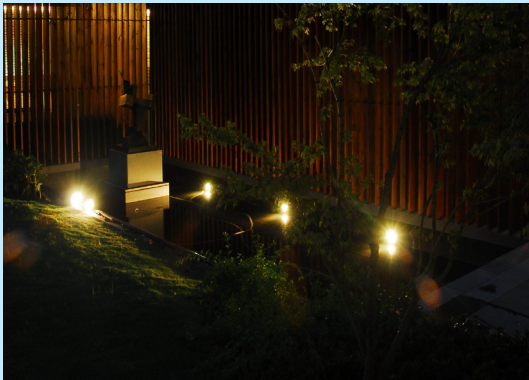




Technical Application Guide for UP-SHINE LED Spike Light

UP-ML06-6W

Introduction



Up-Shine UP-ML06-6W led spike light integrates cob light source of fashion design. High lumen, high CRI, low temperature, long lifespan; low working voltage & low power to ensure safe using; portable and easy install into various lawns; It applies to landscaping embellishment lighting for residence and community and all kind of parks.

- Up to 70% energy saving compared to standard CFL
- Long lifetime of 40,000 hours
- 60° wide beam angle
- CCT: 3000K-3200K 4000K-4500K
5000K-5500K 5500K-6000K
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances

Application notes

- IP65 for outdoor use
- The lamp must be installed by professional electrician
- Ensure the power supply is switched off before fitting this product
- Do not touch the lamp when in use
- Keep away from hot steam and corrosive gas

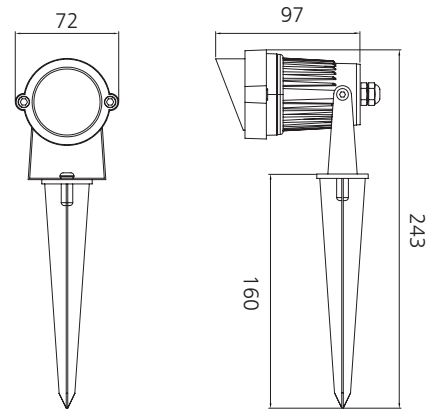
Application Areas

Up-shine 6W spike light is designed for general lighting applications in hotel, home, office, shop etc. It is also widely used for public areas such as stairway, lobby, reception, corridors etc.

Certificate



Product Information



Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
UP-ML06-6W	AC/DC12V	6W	1	300	60°	3000K	40000h	≥80	No	L97mm*H243mm*W72mm
UP-ML06-6W	AC/DC12V	6W	1	320	60°	4000K	40000h	≥80	No	L97mm*H243mm*W72mm
UP-ML06-6W	AC/DC12V	6W	1	340	60°	5000K	40000h	≥80	No	L97mm*H243mm*W72mm
UP-ML06-6W	AC/DC12V	6W	1	360	60°	6000K	40000h	≥80	No	L97mm*H243mm*W72mm

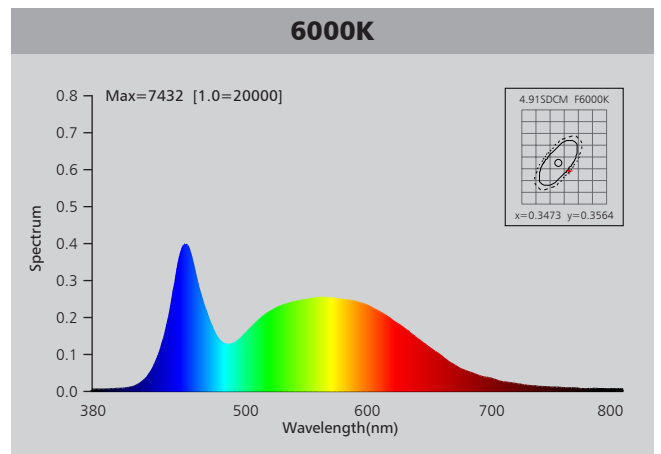
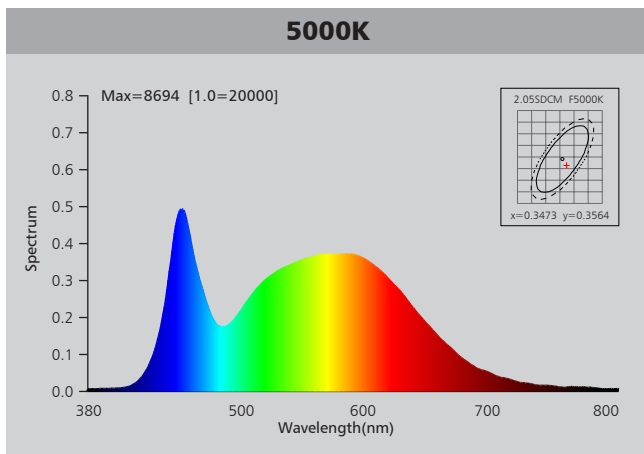
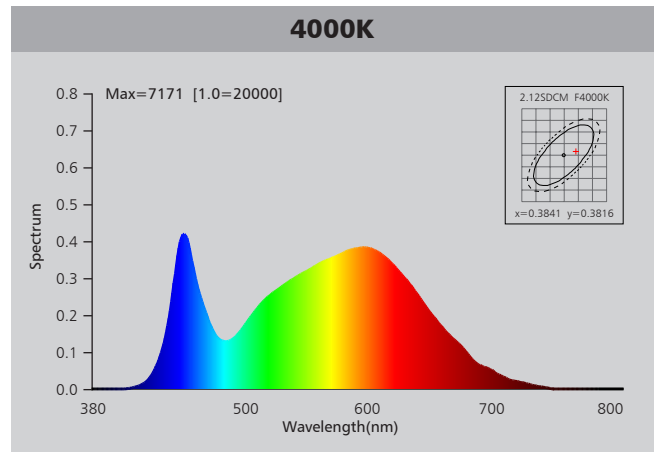
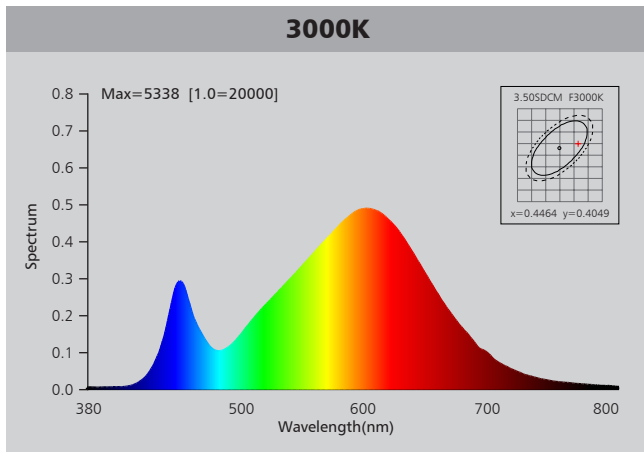
Driver data Sheet

Driver data	Non-dim
Input Voltage	AC/DC12V
Frequency	50-60Hz
Input rated Voltage	AC12V
Efficiency	≥88%
No load wattage	≤0.1W
Total load Wattage	6W
Power Factor	1
Rated input current	≤0.5A
No load output Voltage	DC12V
No load output Voltage range	DC8-12V
Full load output Voltage	DC9-10V
Rated output current	550mA
Output current range	550mA±5%
Power tolerance	±5%
Current output tolerance	±5%

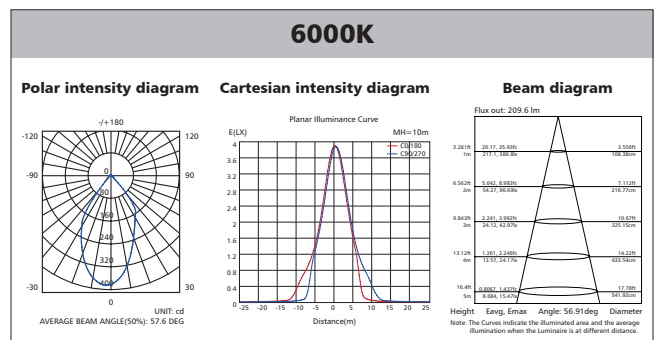
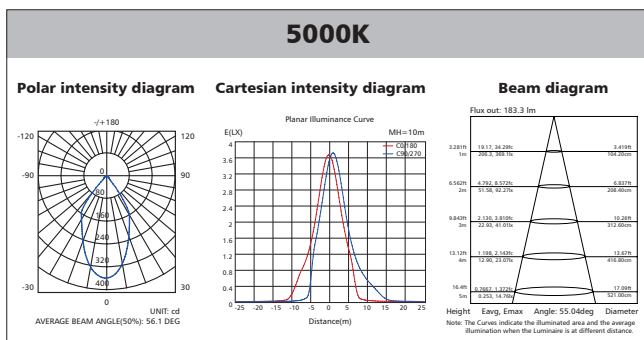
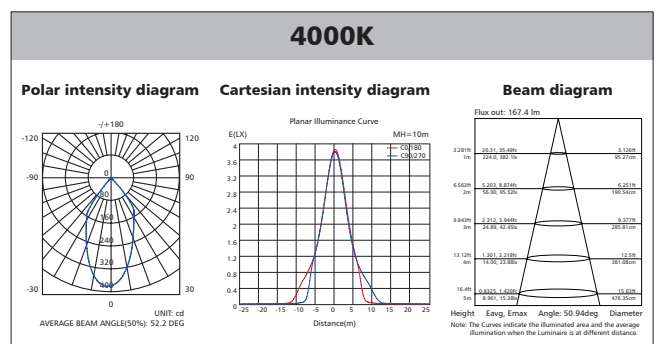
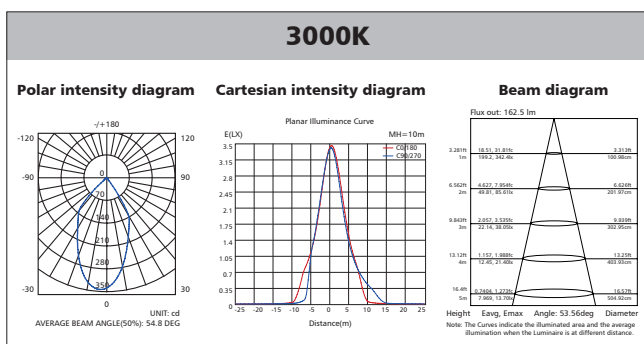
Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection (IP)	Operating Temp	Operating Humidity	Storage Temp
6W	II	65	-20°C~45°C	0~90%	-20°C~65°C

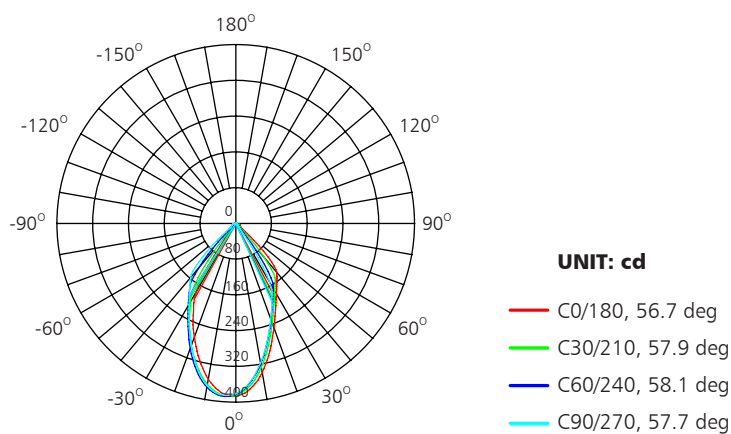
Spectral Distribution



Photometric Diagram



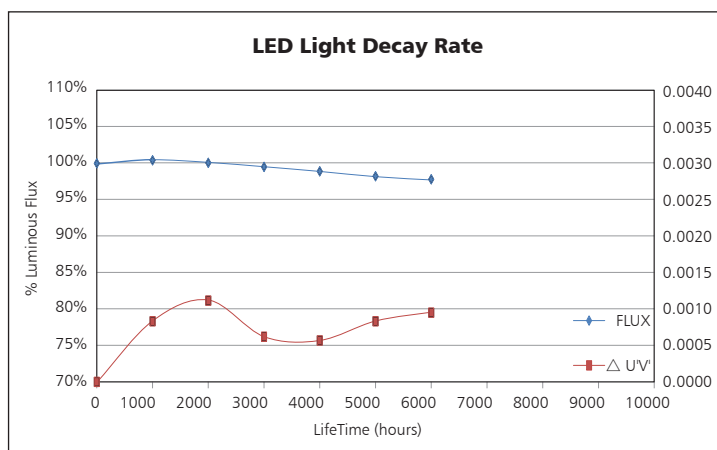
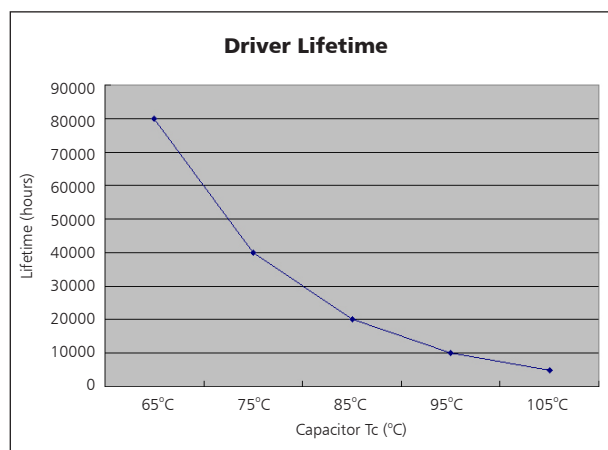
Polar Diagram Comparison



AVERAGE BEAM ANGLE (50%): 57.6DEG

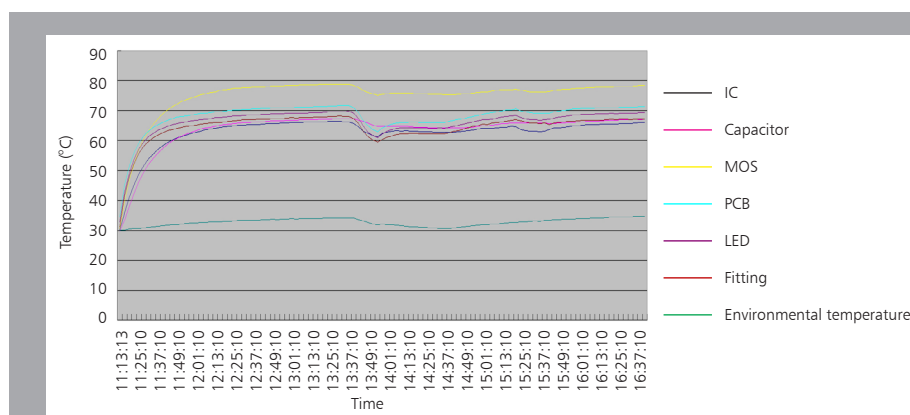


Driver lifetime & LED light decay rate



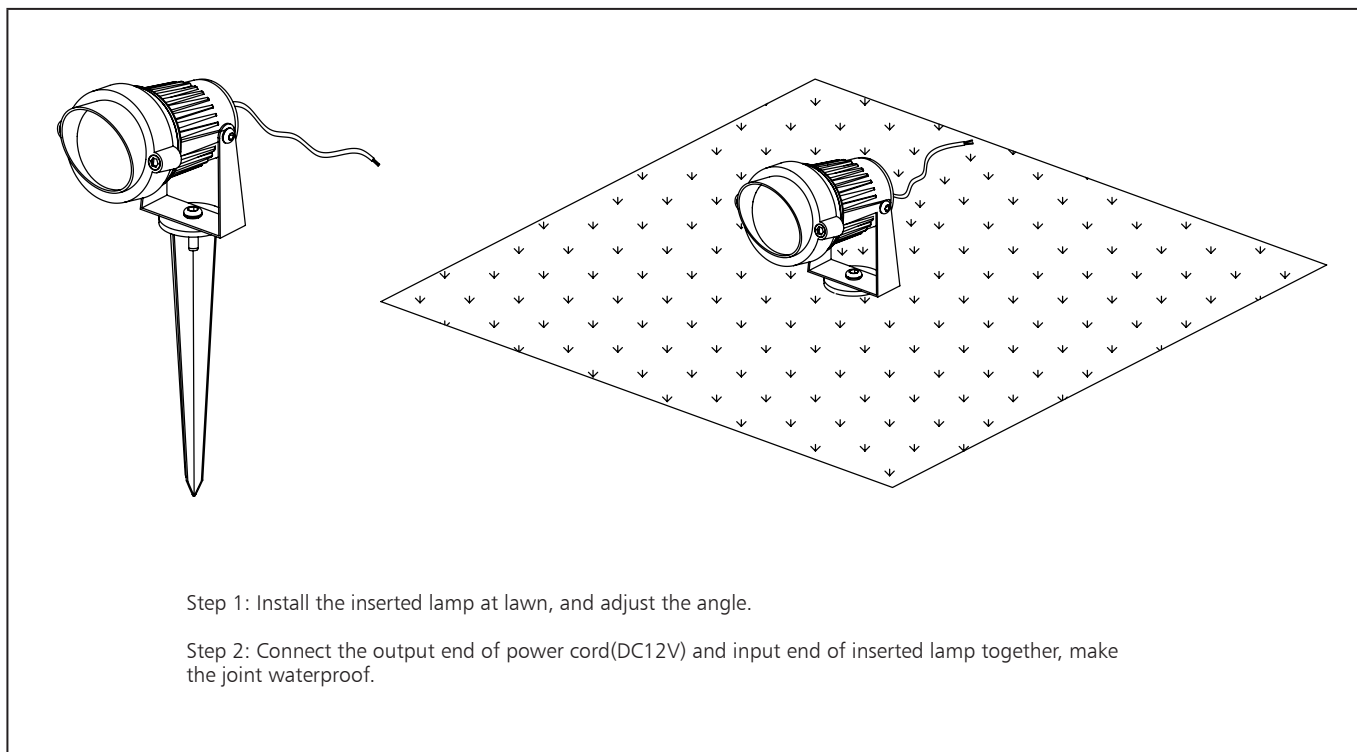
Temperature

- The testing is operated at 35°C environment temperature.
- The minimum lifetime for capacitor is 5000hours at 105°C, the lifetime will be double when the temperature drop each 10°C
- The highest withstand temperature of IC is 120°C
- The highest withstand temperature of MOS is 120°C
- The highest withstand 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	45*37*36	0.24	14.8	50

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20' standard container	460	23000	28
40' standard container	920	46000	56

