



Technical Application Guide for UP-SHINE LED Track Light

UP-TL09-35W

Introduction



Up-shine track light adopts COB LEDs with excellent color rendering index to increase the color fidelity of the target illuminated object. Providing excellent heat dissipation, even light output without glare & dark spot. Adjustable lighting orientation with 360 degree in horizontal direction and 300 in vertical direction provided. 1-circuit adapter, 2-circuit adapter, 3-circuit adapter offered for wide choice.

- Up to 70% energy saving compared to standard CFL
- Long lifetime of 40,000 hours
- 24° 38° 60° beam angle
- CCT: 3000K 4000K
5000K 5700K
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances

Application notes

- IP20 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

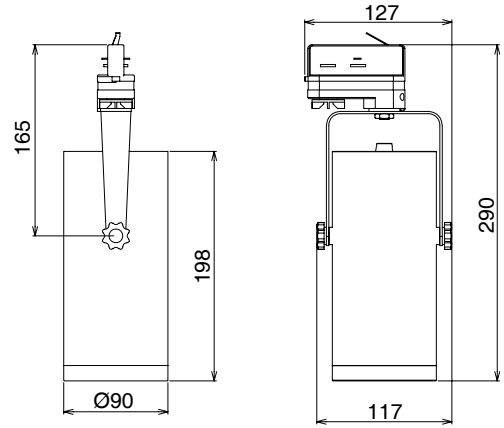
Application Areas

It is suitable for supermarket, specialty store, show window, exhibition hall; focus lighting, decorative and background lighting, where attention is focused on subjects to emphasize special visual points.

Certificate

CE **RoHS**

Product Information



Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
UP-TL09-35W	AC100-240V	35W	≥0.9	2650	24°/38°/60°	3000K	40000h	≥80	No	Ø90*290mm
UP-TL09-35W	AC100-240V	35W	≥0.9	2730	24°/38°/60°	4000K	40000h	≥80	No	Ø90*290mm
UP-TL09-35W	AC100-240V	35W	≥0.9	2780	24°/38°/60°	5000K	40000h	≥80	No	Ø90*290mm
UP-TL09-35W	AC100-240V	35W	≥0.9	2820	24°/38°/60°	5700K	40000h	≥80	No	Ø90*290mm

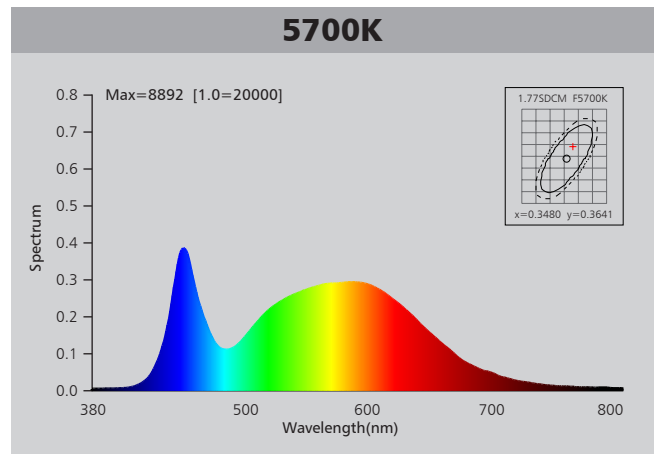
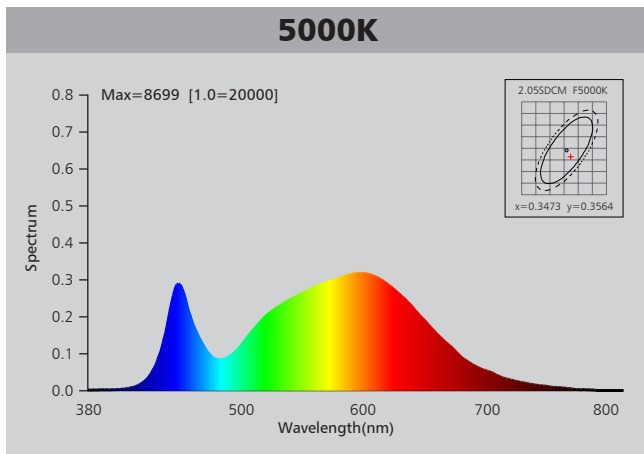
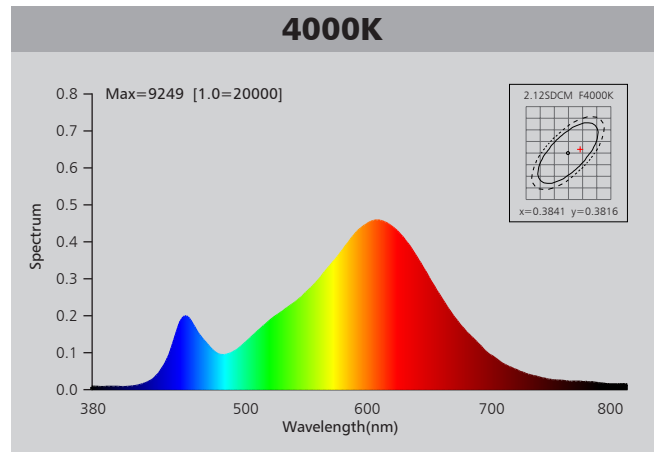
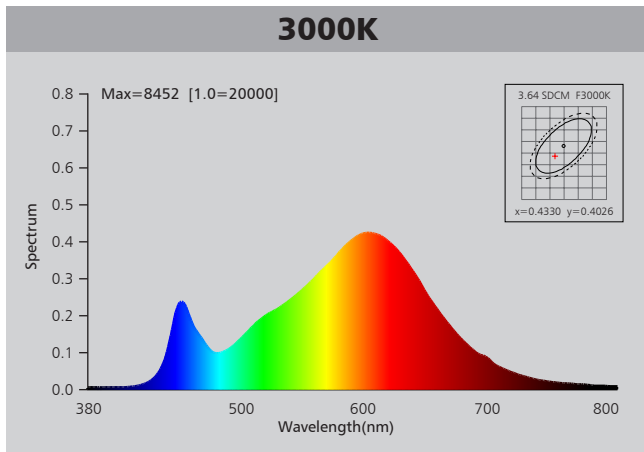
Driver data Sheet

Driver data	Non-dim
Input rated Voltage	AC100-240V
Frequency	50/60HZ
Input Voltage	AC85-265V
Efficiency	≥85%
Total load Wattage	35W±5%
Power Factor	≥0.9
Rated input current	≤0.39A
Full load output Voltage	DC23-38V
Rated output current	820mA
Output current range	820mA±5%
Power tolerance	±5%
Current output tolerance	±5%
Short circuit protection	PASS
Over voltage protection	PASS
Over temperature protection	PASS
Withstand voltage	AC1500V

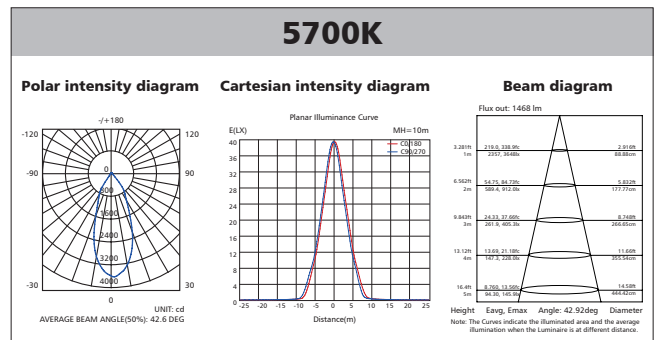
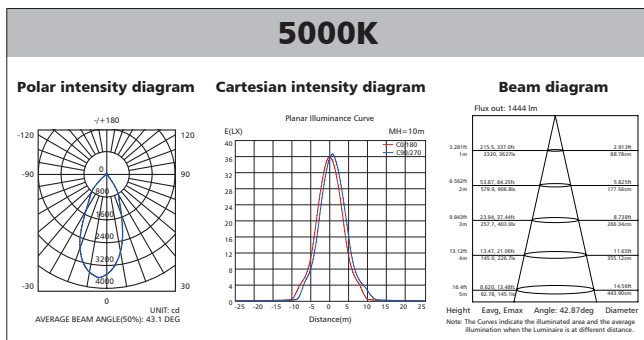
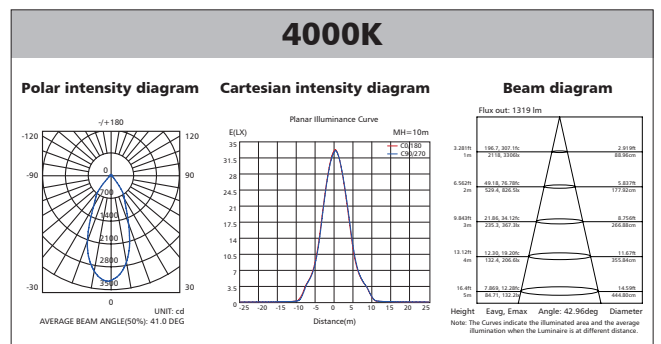
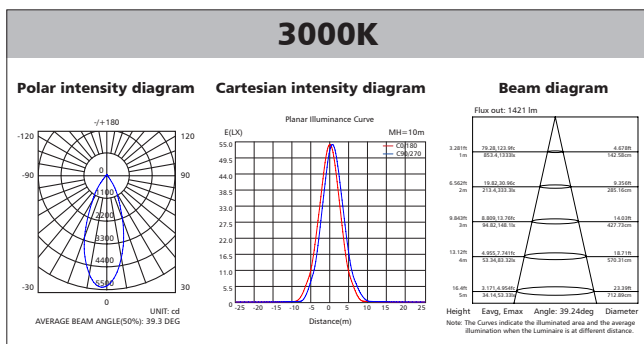
Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
35W	I	IP20	-20°C~45°C	0~90%	-20°C~65°C

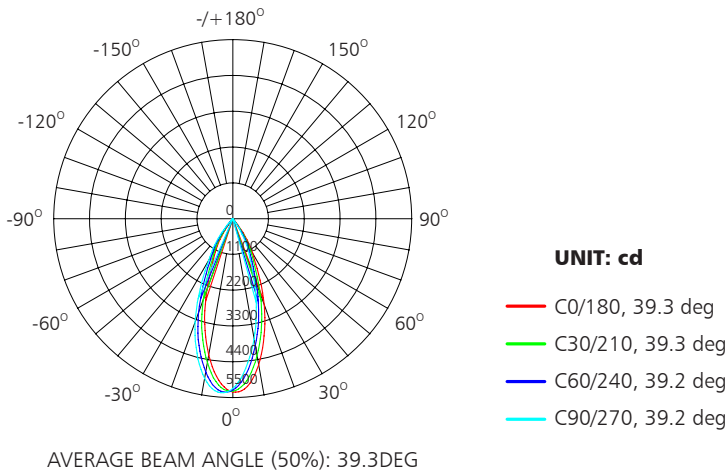
Spectral Distribution



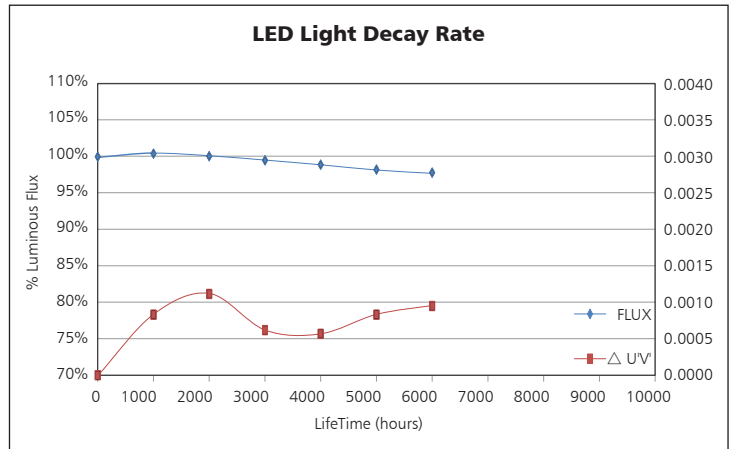
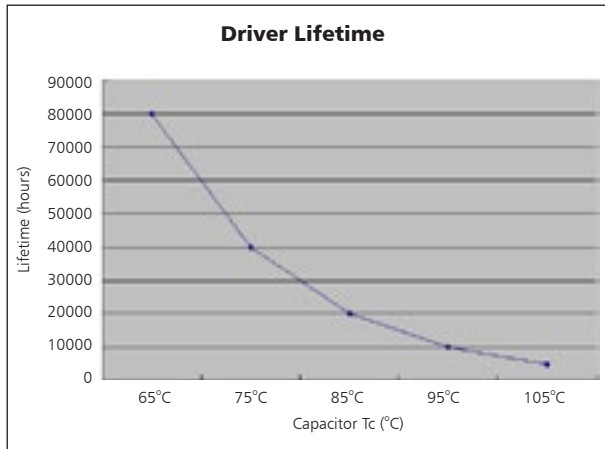
Photometric Diagram



Polar Diagram Comparison



Driver lifetime & LED light decay rate



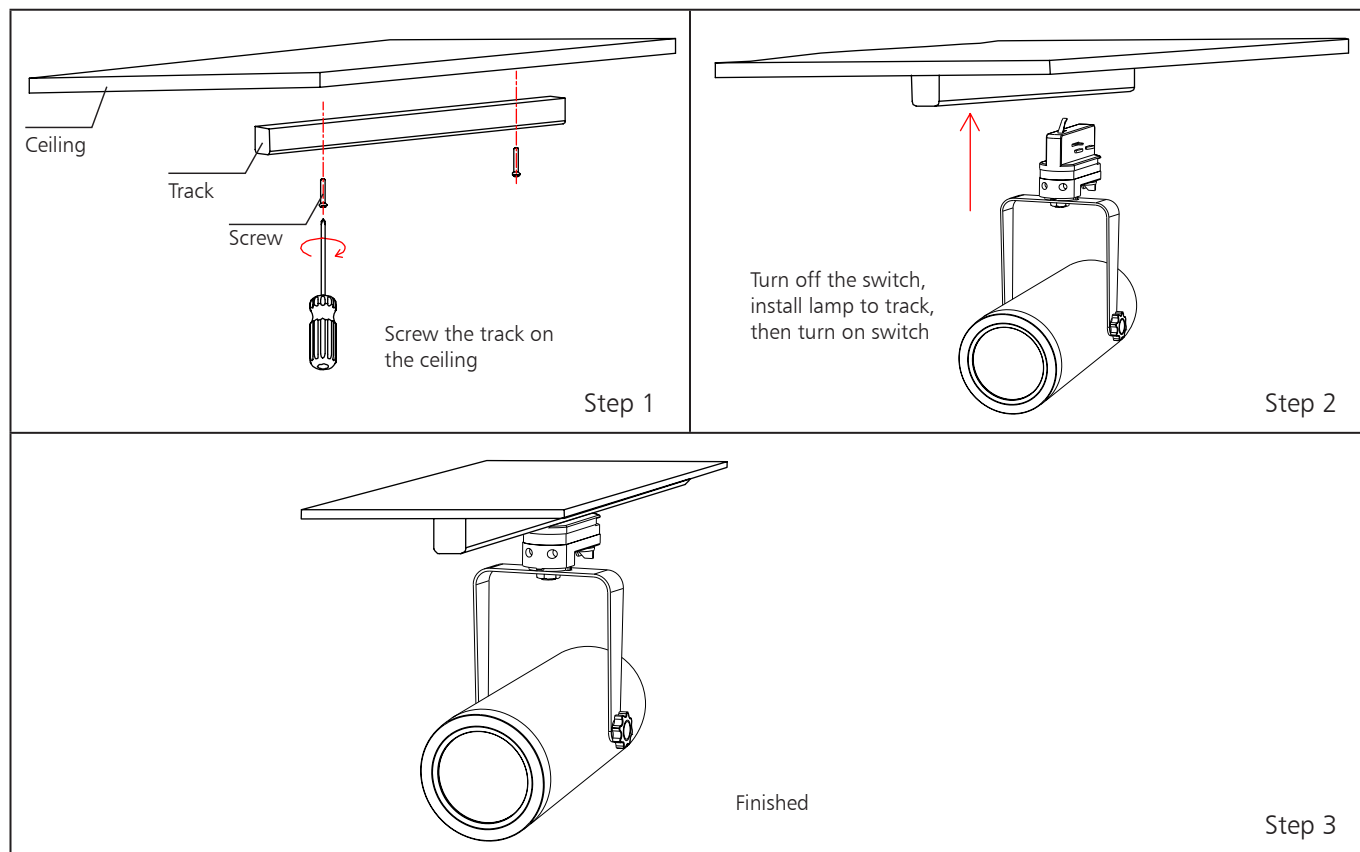
Temperature

- 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. Working at 75°C or below, the lamp can achieve its maximum lifetime of 40,000 hours.
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C

The graph shows temperature fluctuations over time. The IC and Capacitor temperatures are the highest, fluctuating between 40°C and 60°C. The LED temperature is around 40°C. Environmental temperature is the lowest, around 20°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	59*25.5*34	1.2	16	12

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	536	6432	28
40" standard container	1072	12864	56

