



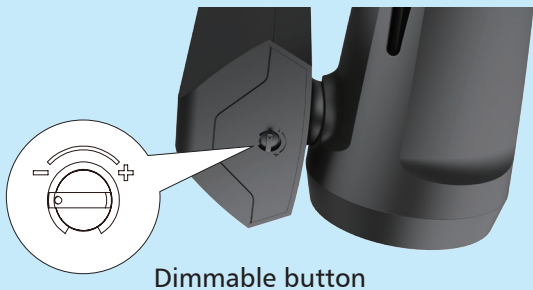
UPSHINE®



Technical Application Guide for UP SHINE LED Track Light

UP-TL25-45W

Introduction



Dimmable button

LED Track light adopts Citizen 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 315 degree in horizontal direction and 280 in vertical direction provided. 1-circuit adapter, 3-circuit adapter offered for wide choice. Dimming button on the bottom of the track light.

- Up to 70% energy saving compared to standard CFL
- Long lifetime of 50,000 hours
- 15°/24°/36° beam angle
- CCT: 2700K 3000K
4000K 5000K
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances

Application notes

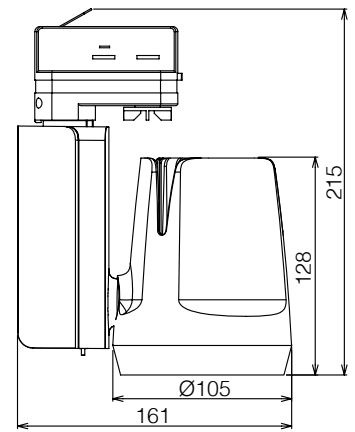
- IP20 for indoor use only
- Professional electrician for installation only
- Switch off before installation
- Do not touch when in use
- Keep away from hot steam and corrosive gas

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.



Product Information



Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	CCT	Beam angle	Lifespan	CRI	Dimmable	Dimension
UP-TL25-45W	AC230V	45W	≥0.9	3990	2700K	15°/24°/36°	50,000h	≥80	No	161*105*215mm
				4030	3000K					
				4410	4000K					
				4120	5000K					
UP-TL25-45W-D	AC230V	45W	≥0.9	3860	2700K	15°/24°/36°	50,000h	≥80	Yes	161*105*215mm
				3950	3000K					
				4280	4000K					
				3990	5000K					

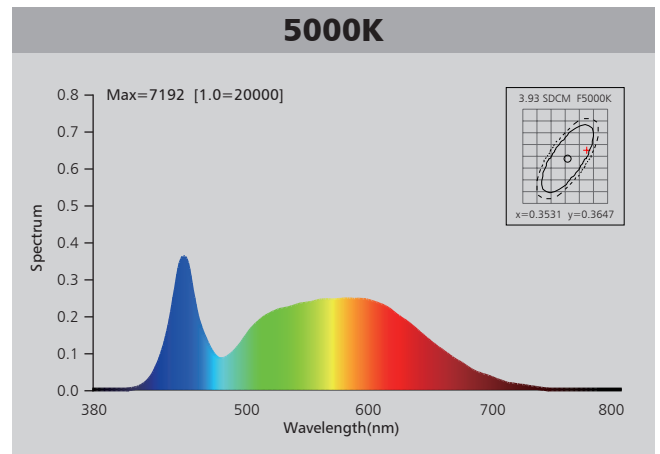
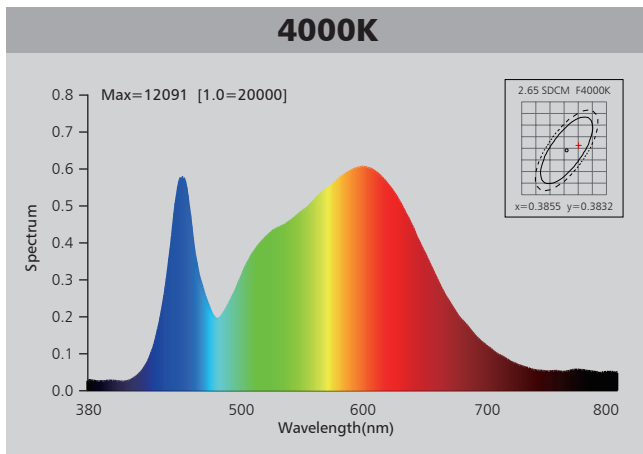
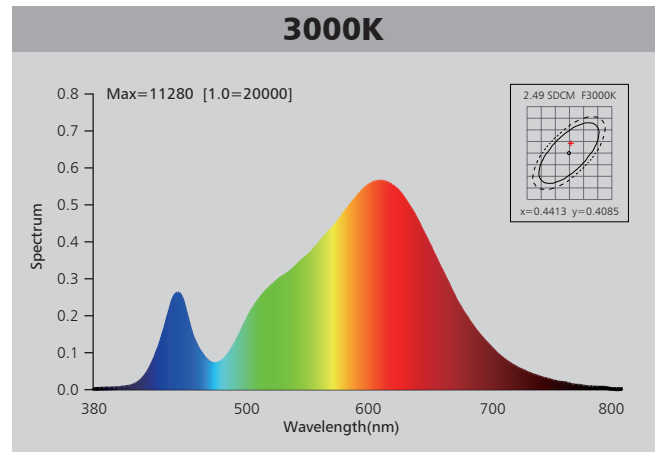
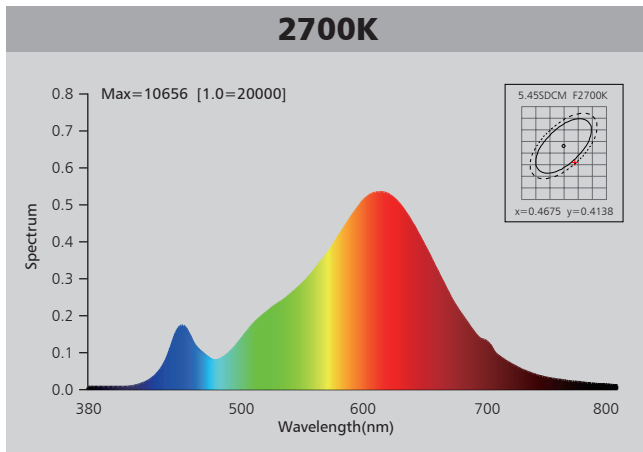
Driver data Sheet

Driver data	DIM	Non dim
Input rated Voltage	AC230V	AC230V
Frequency	50Hz	50/60Hz
Input Voltage	AC220-240V	AC220-240V
Efficiency	≥86%	≥87%
Total load Wattage	45W±5%	45W±5%
Power Factor	≥0.9	≥0.9
Rated input current	≤0.25A	≤0.25A
Full load output Voltage	DC25-38V	DC24-40V
Rated output current	1000mA	1050mA
Output current range	1000mA±5%	1050mA±5%
Power tolerance	±5%	±5%
Current output tolerance	±5%	±5%
Dimming range	8%-100%	—
Dimmer	Dimmers	—
Short circuit protection	PASS	PASS
Over voltage protection	PASS	PASS
Over temperature protection	PASS	PASS
THD	≤18%	≤18%
Withstand voltage	AC1500V	AC1500V

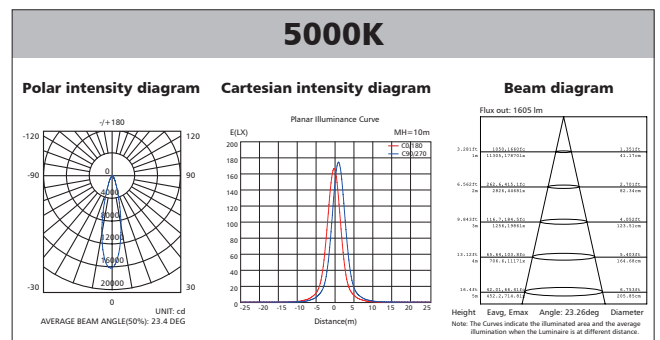
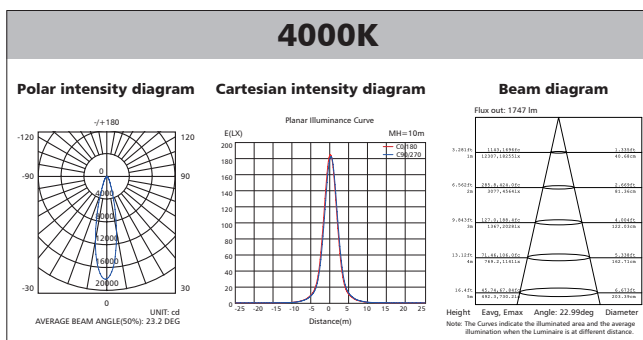
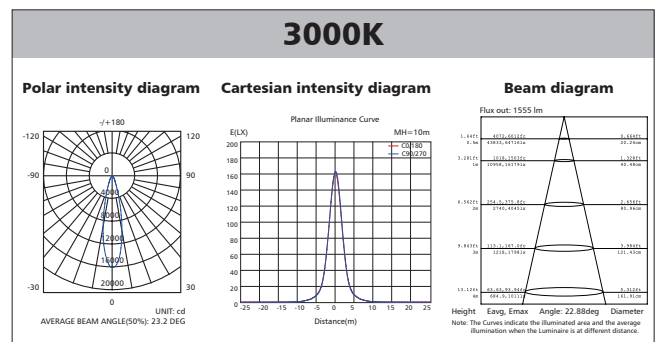
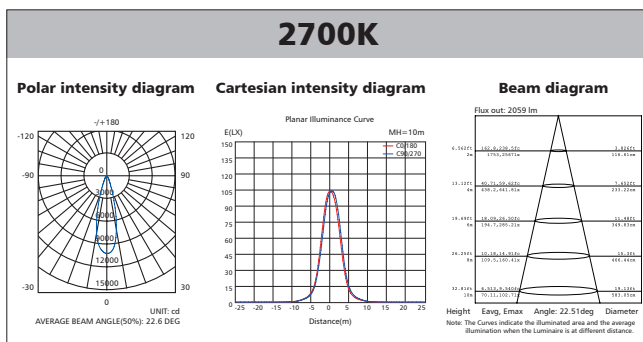
Fixture Compatibility

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

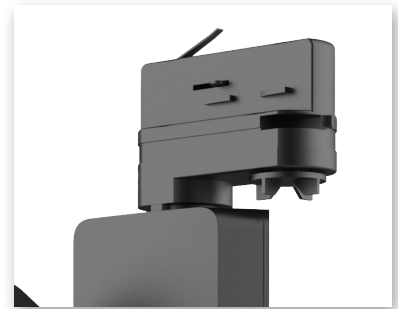
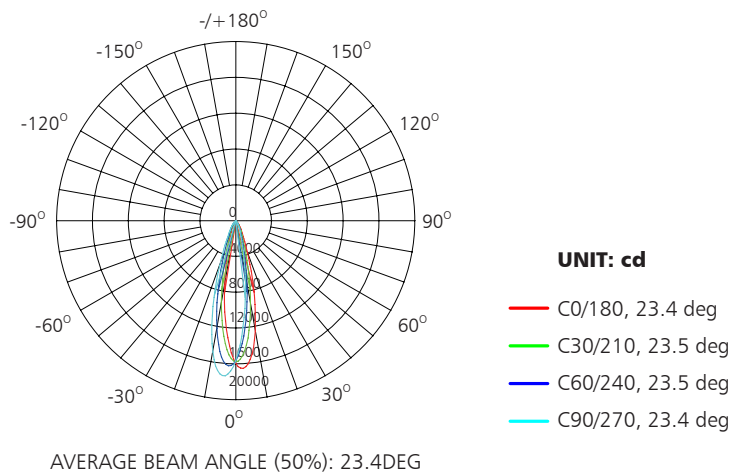
Spectral Distribution



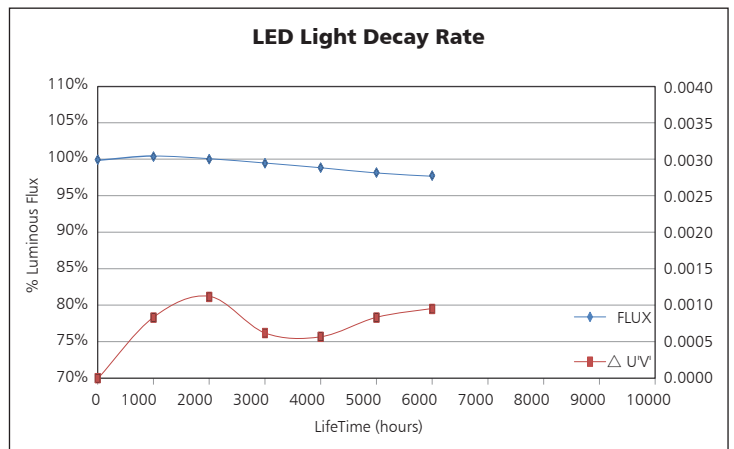
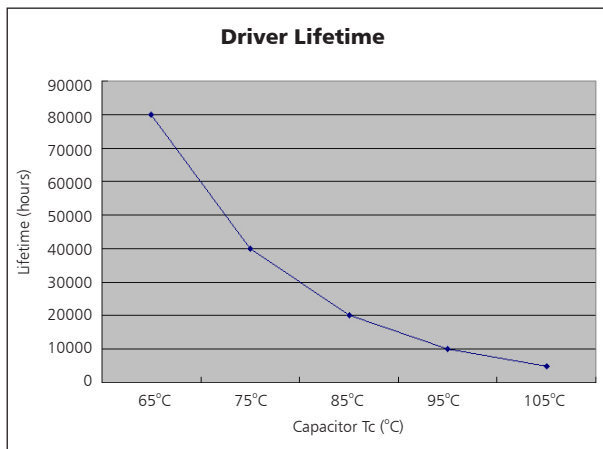
Photometric Diagram



Polar Diagram Comparison

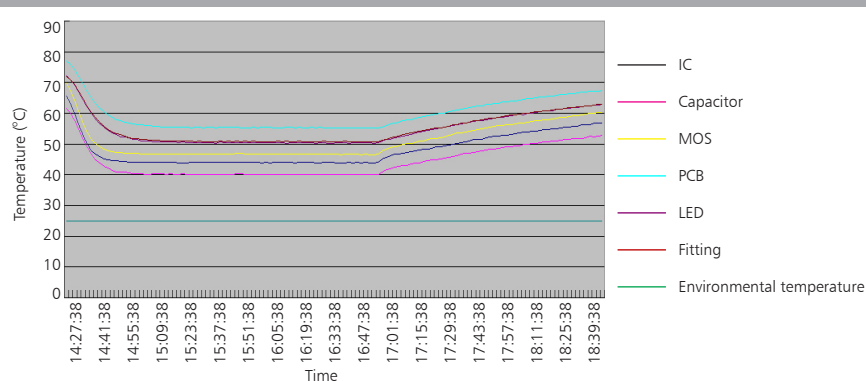


Driver lifetime & LED light decay rate



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.
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C

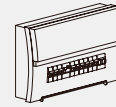


The driver lifespan is based on capacitor working temperature.

Installation

WARNING

1. Switch off before installation.
2. Switch on only after complete installation and examination of the circuit.
3. Professional electrician for installation and maintenance only.

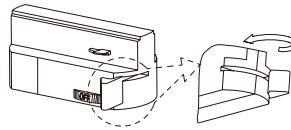


Step 1

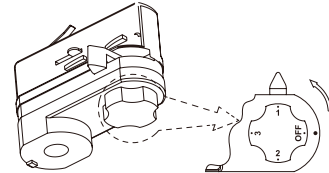
Turn Off power supply before starting any installation. Read instructions & check you have all the tools & accessories to complete the installation correctly.

Step 2

Prior to locating Adaptor into Track Section make sure it is set in the 'OFF' position & 'Locking Lever' is set in the position shown.



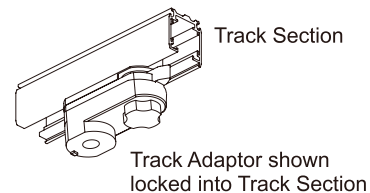
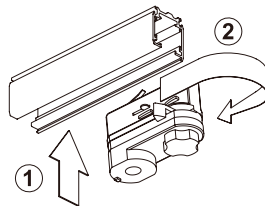
2-wires, 3-wires adaptor



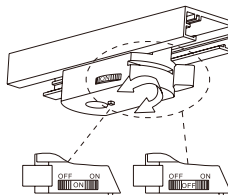
4-wires adaptor

Step 3

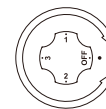
Locate Track Adaptor into Track Section (1) & lock into position by turning 'Locking Lever' 90°(2)



Track Adaptor shown locked into Track Section

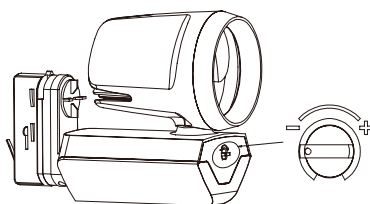


2-wires, 3-wires control luminaires in same circuit by ON/OFF switch.



4-wires Turn clockwise or anti-clockwise.

Step 4



Dimmable button

Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)		CTNS	Q'TY(PCS)	VOLUME(CBM)
Carton	54*42*47	0.85	11.8	12	20" standard container	260	3120	28
					40" standard container	520	6240	56

