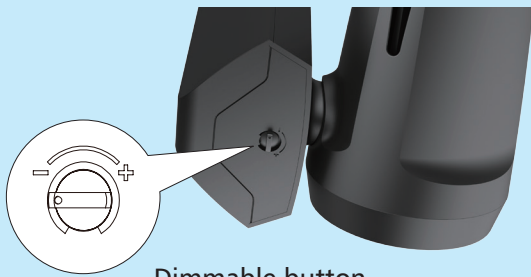




# Technical Application Guide for LED Track Light

TL25-15W

# 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
- 24°/45° beam angle
- CCT: 2700K 3000K  
4000K 5000K
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances

## Application notes

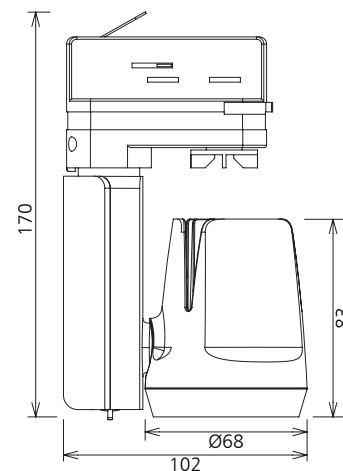
- IP20 for indoor use only
- Professional electrician for installation only
- Switch off before installation
- Do not touch when in use
- Keep away from hot steam and corrosive gas

## 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
TL25-15W	AC230V	15W	≥0.9	1320	2700K	24°/45°	50,000h	≥80	No	102*68*160mm
				1350	3000K					
				1470	4000K					
				1425	5000K					
TL25-15W-D	AC230V	15W	≥0.9	1290	2700K	24°/45°	50,000h	≥80	Yes	102*68*160mm
				1320	3000K					
				1440	4000K					
				1380	5000K					

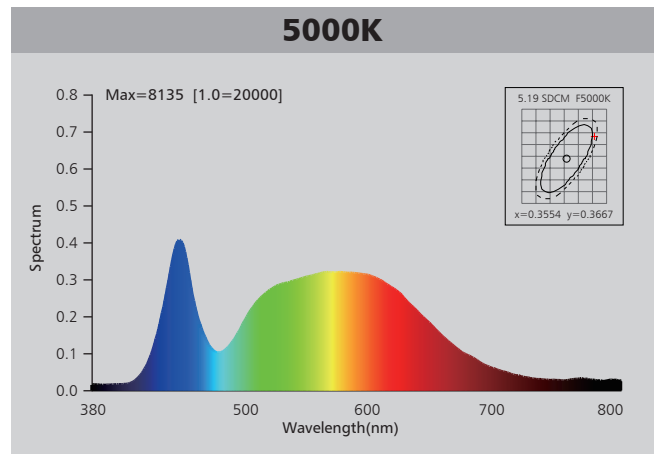
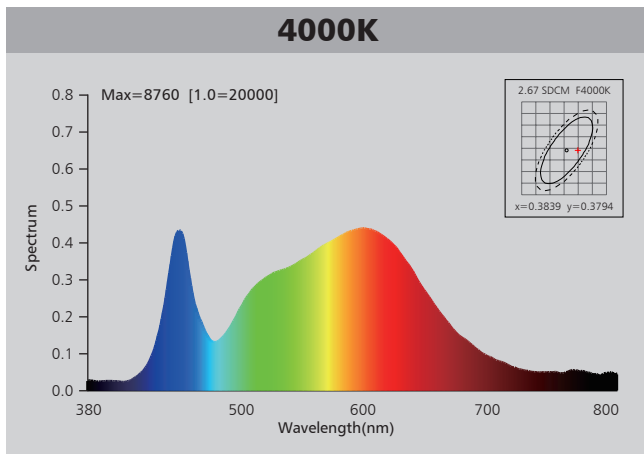
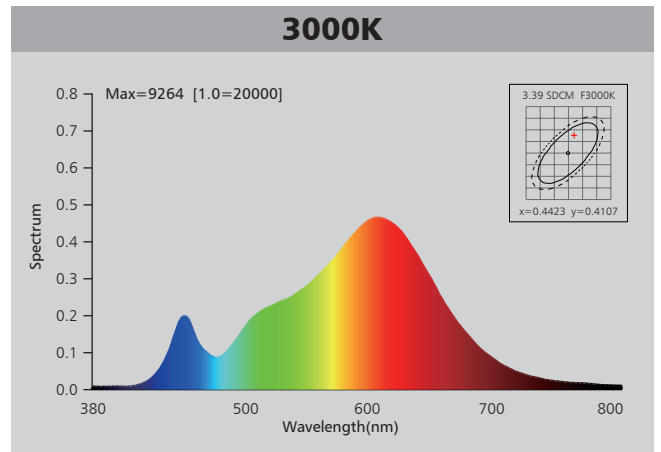
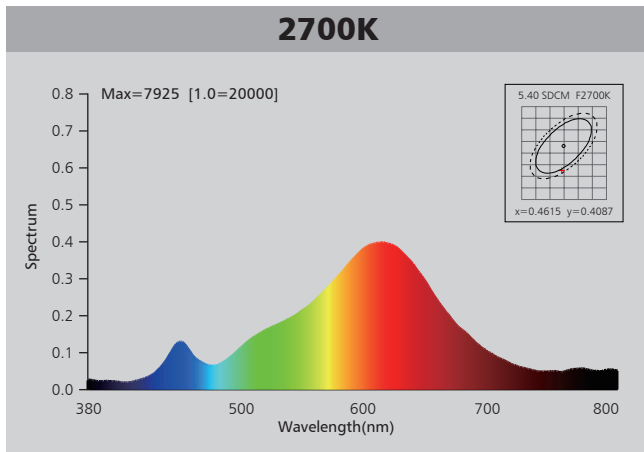
## Driver data Sheet

Driver data	DIM	Non dim
Input rated Voltage	AC230V	AC230V
Frequency	50Hz	50/60Hz
Input Voltage	AC220-240V	AC220-240V
Efficiency	≥86%	≥85%
Total load Wattage	15W±1W	15W±1W
Power Factor	≥0.9	≥0.9
Rated input current	≤0.1A	≤0.1A
Full load output Voltage	DC25-38V	DC25-42V
Rated output current	340mA	350mA
Output current range	340mA±5%	350mA±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

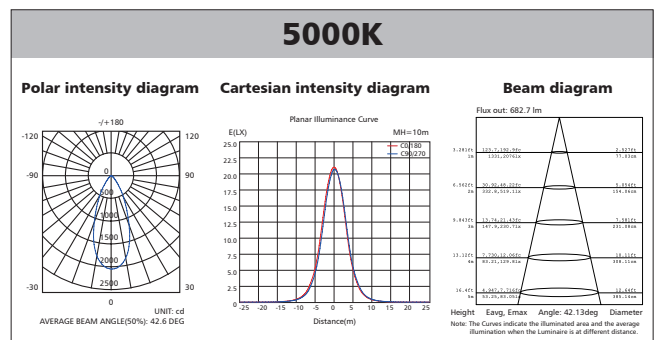
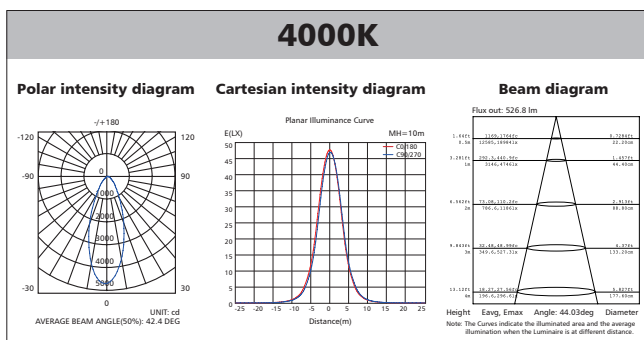
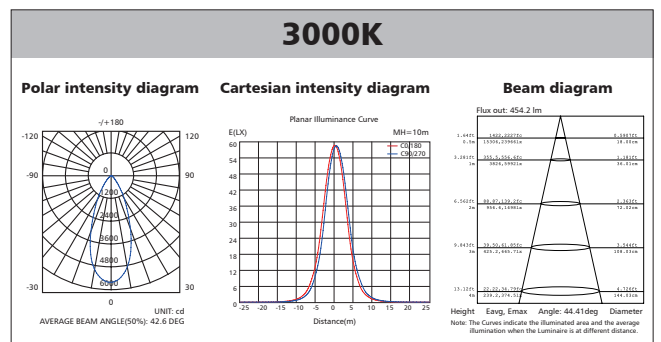
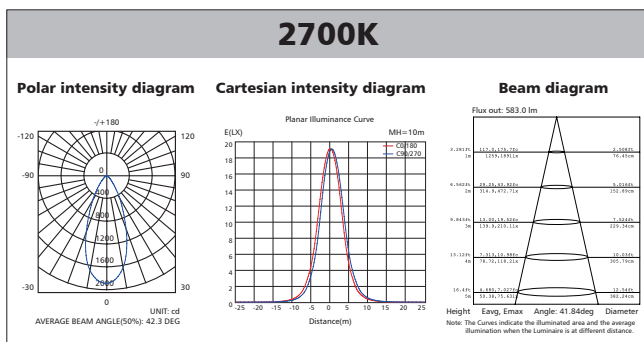
## Fixture Compatibility

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

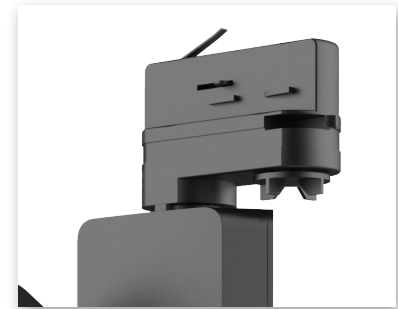
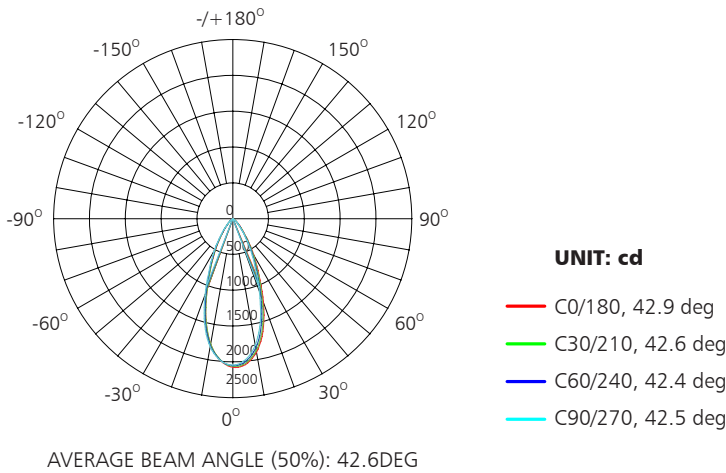
# Spectral Distribution



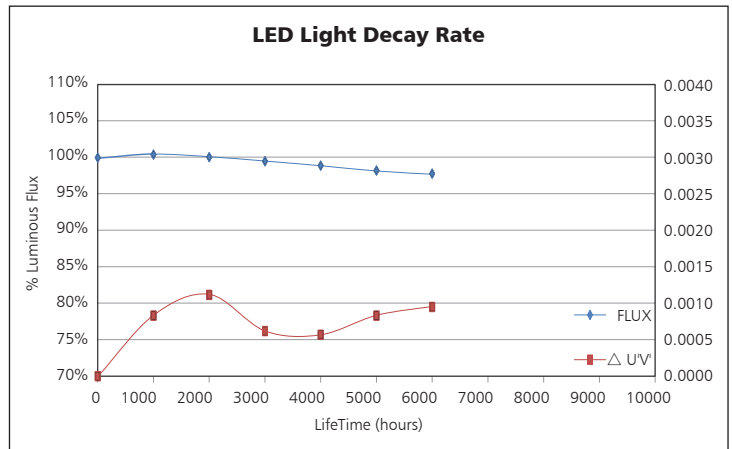
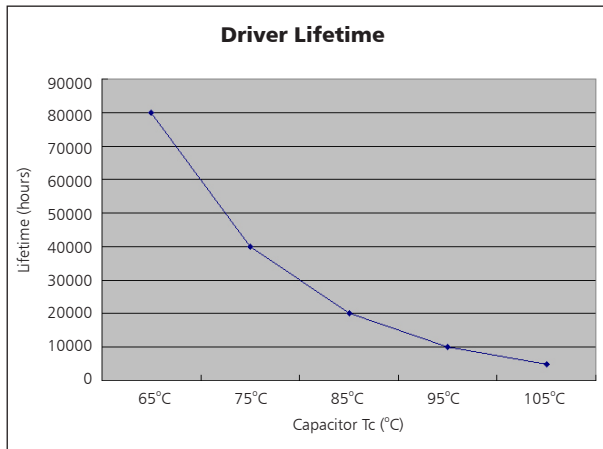
# Photometric Diagram



# Polar Diagram Comparison

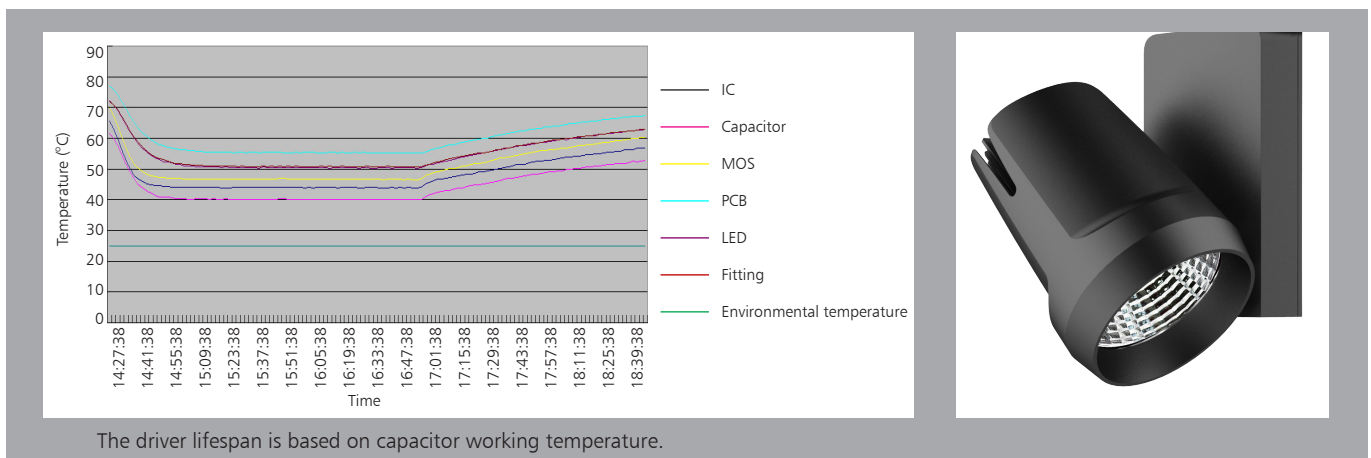


# Driver lifetime & LED light decay rate



# Temperature

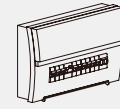
- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C.
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C



# 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.

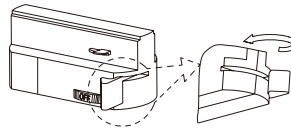


### Step 1

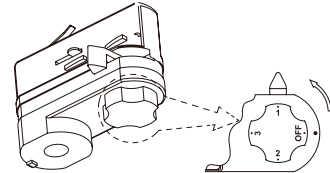
Turn Off power supply before starting any installation. Read instructions & check you have all the tools & accessories to complete the installation correctly.

### 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.



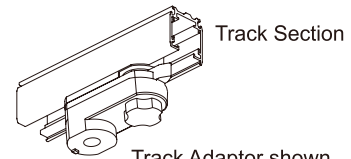
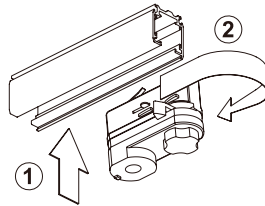
2-wires, 3-wires adaptor



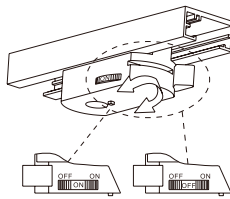
4-wires adaptor

### Step 3

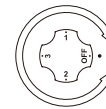
Locate Track Adaptor into Track Section (1) & lock into position by turning 'Locking Lever' 90°(2)



Track Adaptor shown locked into Track Section

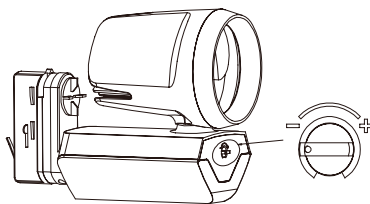


2-wires, 3-wires control luminaires in same circuit by ON/OFF switch.



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	46*46*35	0.38	9	18	20" standard container	370	6660	28
					40" standard container	740	13320	56

