

TRONIX

guided by light



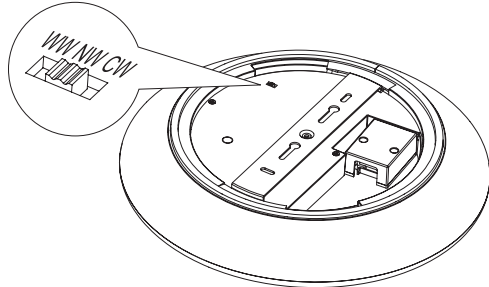
Technical Application Guide for LED Ceiling light

136-040 & 136-041



Introduction

Slide switch for color selection



Flying saucer-shaped led ceiling light, super slim and minimalistic design; it is a faultless combination and deduction of smooth lines, making itself impregnated with ceiling perfectly. Elegant design with soft and even light output realizes a perfect blend of craft and art. High quality PC lamp body promises a higher production efficiency and more stable product quality without any subsequent process. Superior PC diffuser with excellent performance, fire rated UL94-V0, aging resistance and yellowing resistance make this ceiling light with longer lifespan. Slim and light lamp body also in PC, it is a good way to minimize the cost of transportation for customer. Replaceable built-in power supply design with easy maintenance. The driver also adopts fire resistant PC material with higher insulating strength, which promises absolute security. Easy installation, it is twist mounting after fixing the holder on the ceiling, avoid extra nail screw work, safe and convenient.

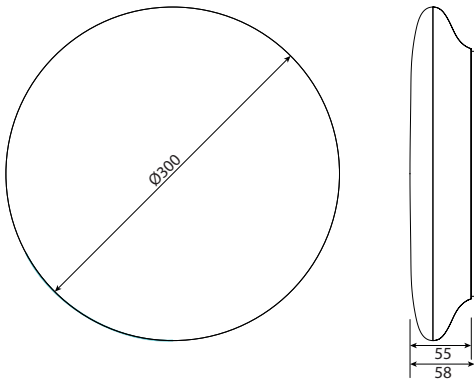
Daylight & Microwave Sensor

Detection area:

- ◆ 140 degree wide detective beam angle with 5~7 meters distance.

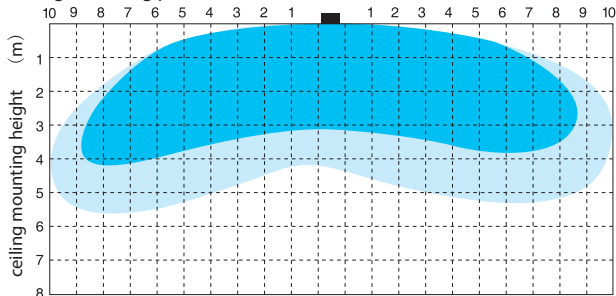
Working pattern:

- ◆ With sufficient natural light, when illuminance is more than 10lux, the light does not switch on when presence detected.
- ◆ With insufficient natural light:
 - When illuminance is less than 10lux, the light switches on automatically when presence detected.
 - With presence detected, light will never switch off, even the nature light is sufficient.
 - After presence left, any movement detected within time-delay (30 seconds), the light will continuously work for another hold time(30 seconds), then switch off automatically until next movement detected.
 - Hold time: 30S

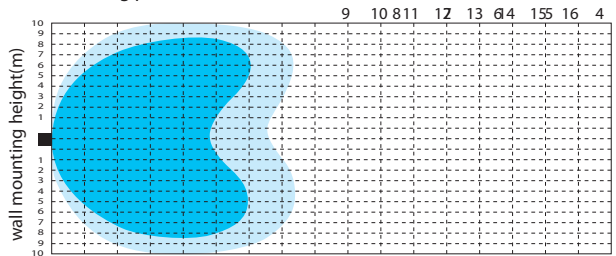


Detection Pattern

Ceiling Mounting pattern (Unit: m)



Wall Mounting pattern (Unit: m)



■ High detection area ■ Low detection area

Application Areas

Suitable for commercial and residential applications like office, supermarket, shop, school, hotel, restaurant, workshop, warehouse, home etc.

Product Information

Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	CCT	Beam angle	Lifespan	CRI	Dimmable	Dimension
136-040 & 136-041	AC230V	18W	≥0.9	1820	3000K	120°	50000h	≥80	No	Ø300*58mm
				1920	4000K					
				1850	5700K					

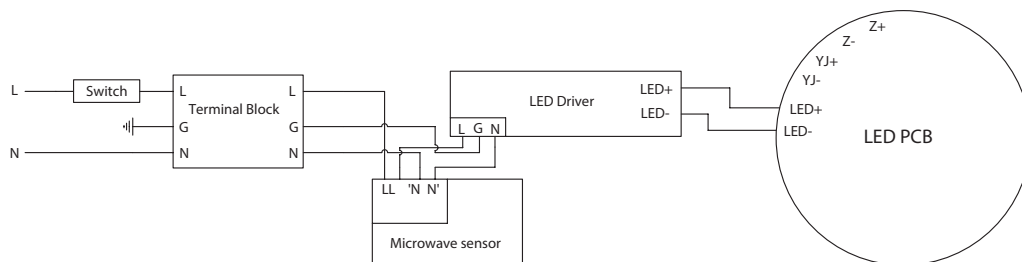
Driver data Sheet

Driver data	Sensor	Main Power
Input rated Voltage	AC230V	AC230V
Frequency	50Hz	50Hz
Input Voltage	AC200-240V	AC200-240V
Efficiency	—	≥88%
No load wattage	—	≤0.5W
Total load Wattage	2W±0.5W	18W±1W
Power Factor	—	≥0.9
Rated input current	≤0.02A	≤0.1A
Full load output Voltage	—	60-75V
Rated output current	—	240mA
Output current range	—	240mA±5%
Power tolerance	—	±5%
Current output tolerance	—	±5%
Hold time	30S	—
Detection distance	5-7m	—
Short circuit protection	—	PASS
Over voltage protection	—	PASS
Over temperature protection	—	PASS
Withstand voltage	—	—

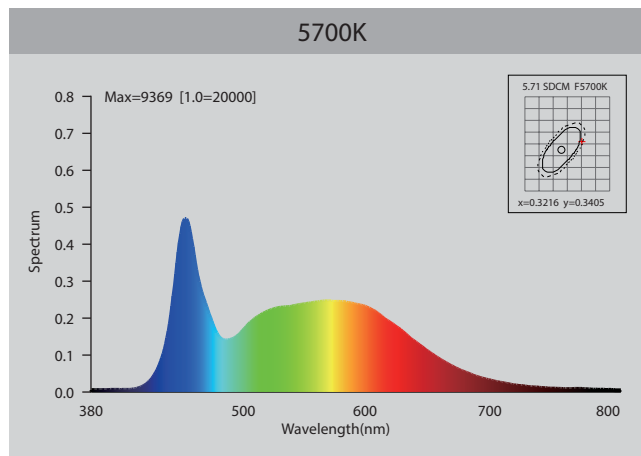
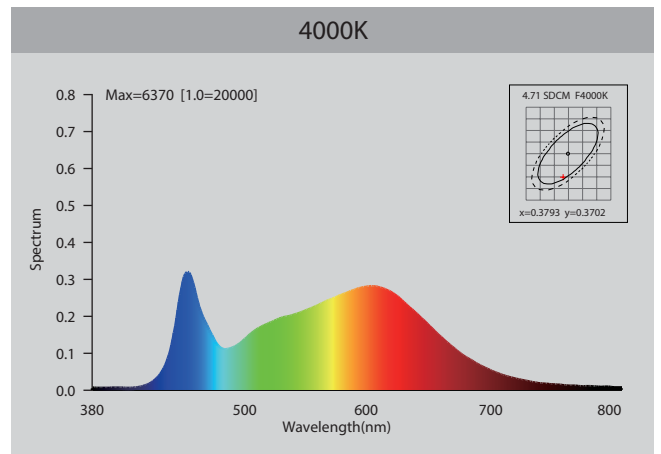
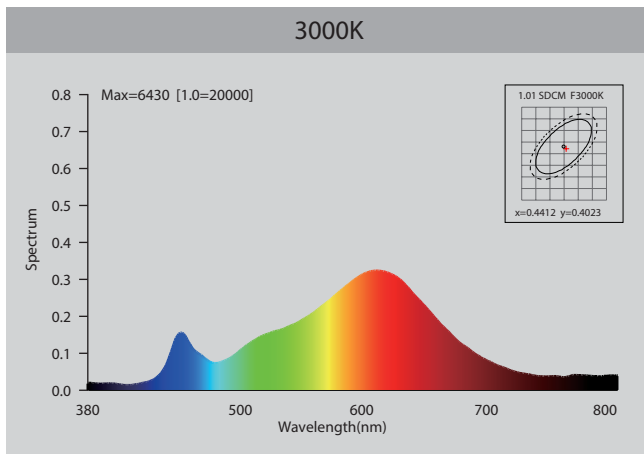
Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
18W	II	IP54	-20°C~45 °C	0~90%	-20°C~65 °C

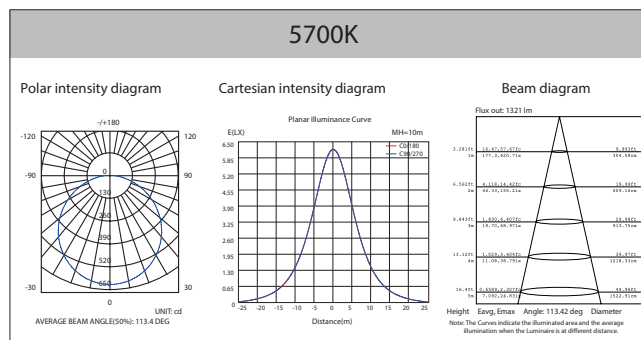
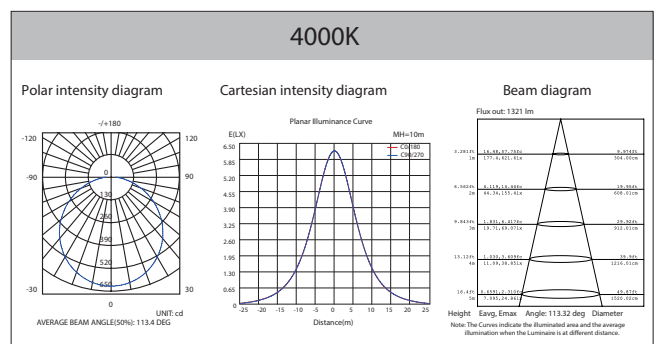
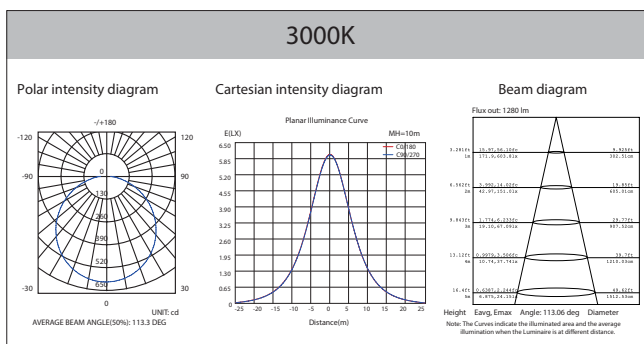
Wiring Diagram:



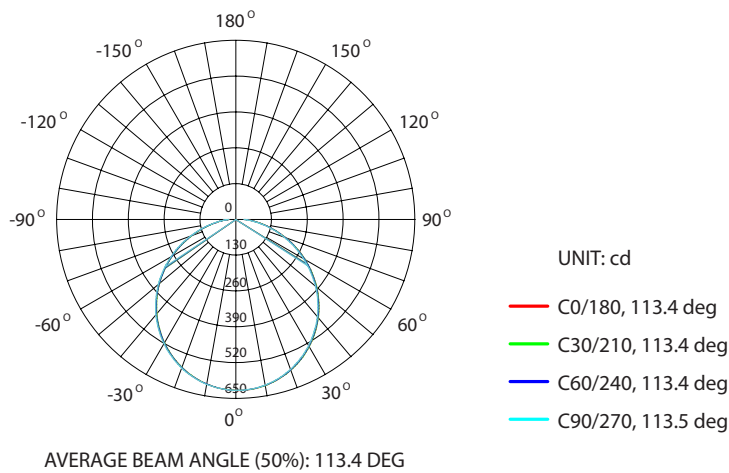
Spectral Distribution



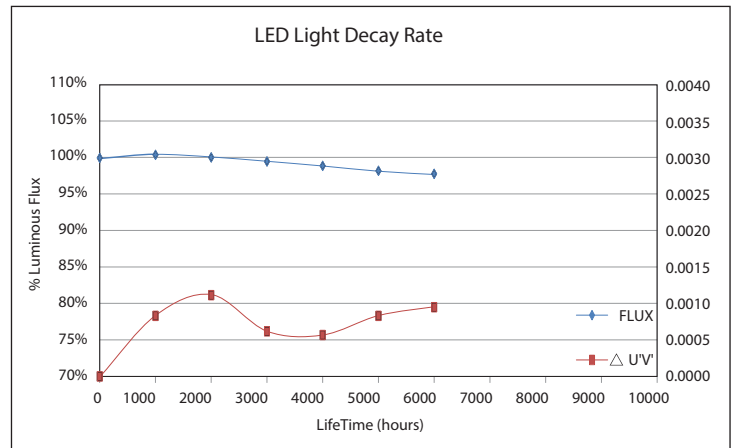
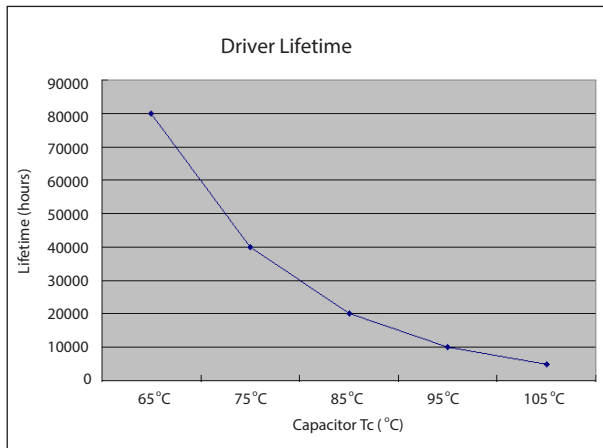
Photometric Diagram



Polar Diagram Comparison

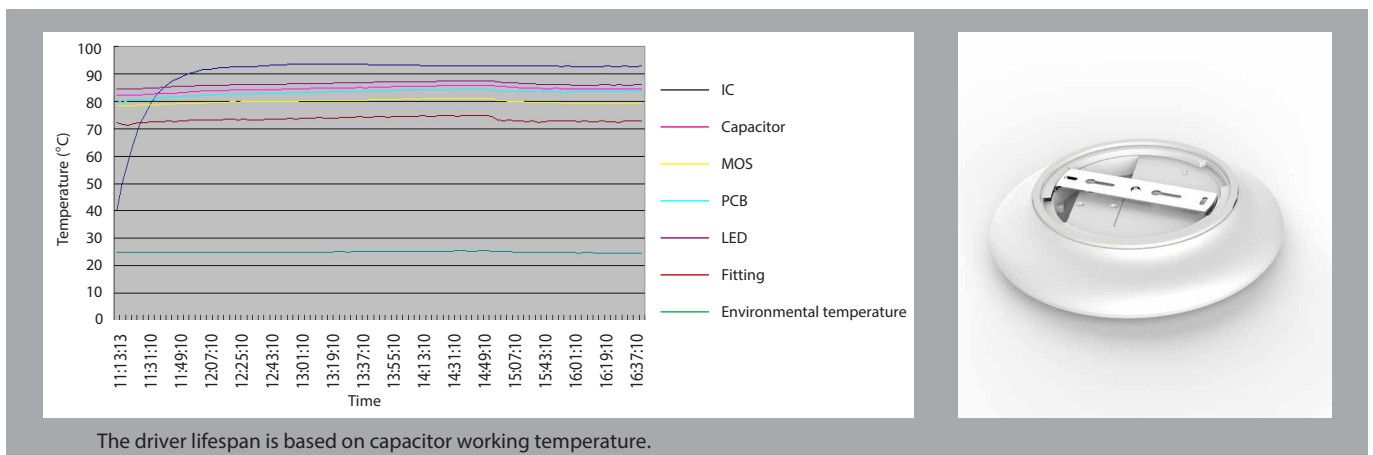


Driver lifetime & LED light decay rate



Temperature

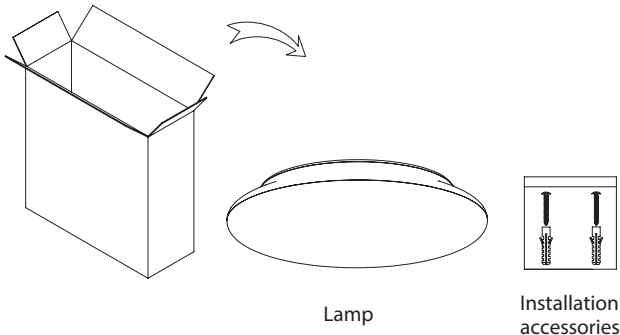
- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C



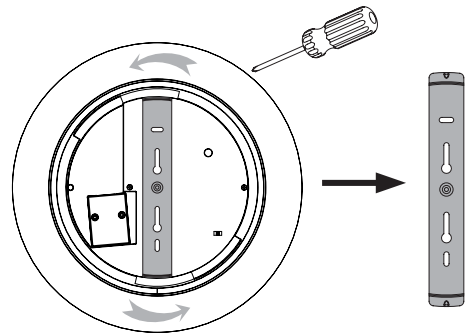
The driver lifespan is based on capacitor working temperature.

Installation

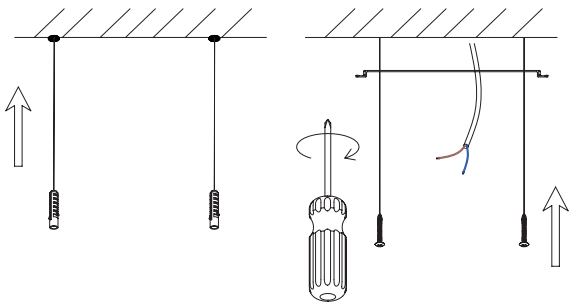
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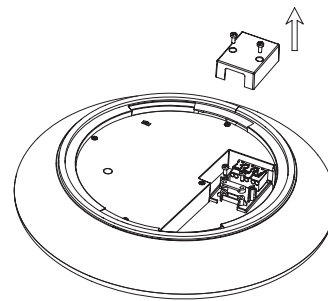
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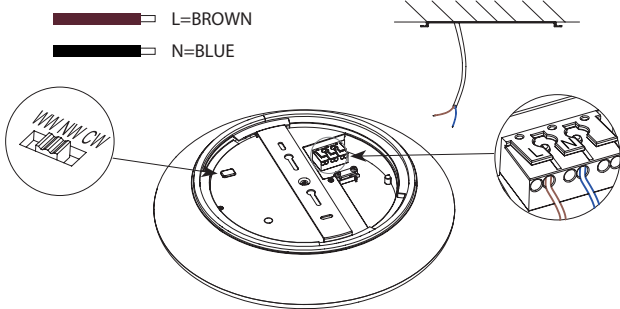
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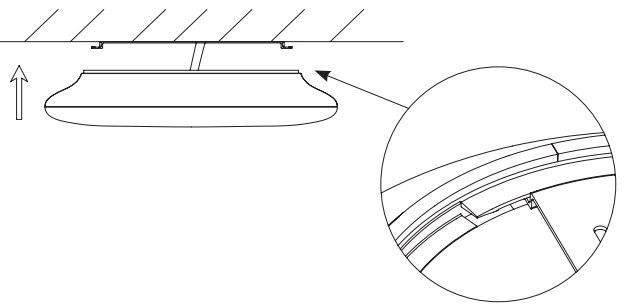
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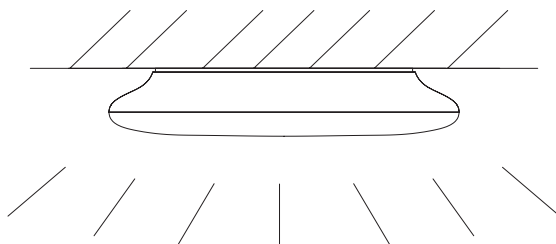
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6



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Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	73*33*33	0.76	10.5	10

