

# **TRONIX**

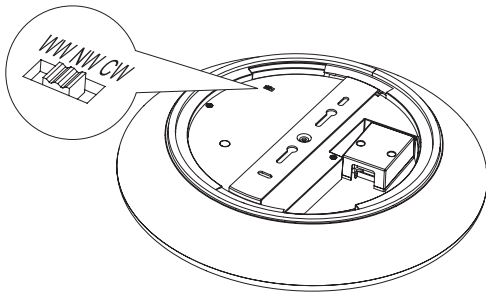
guided by light



Ceiling light 12W 136-042



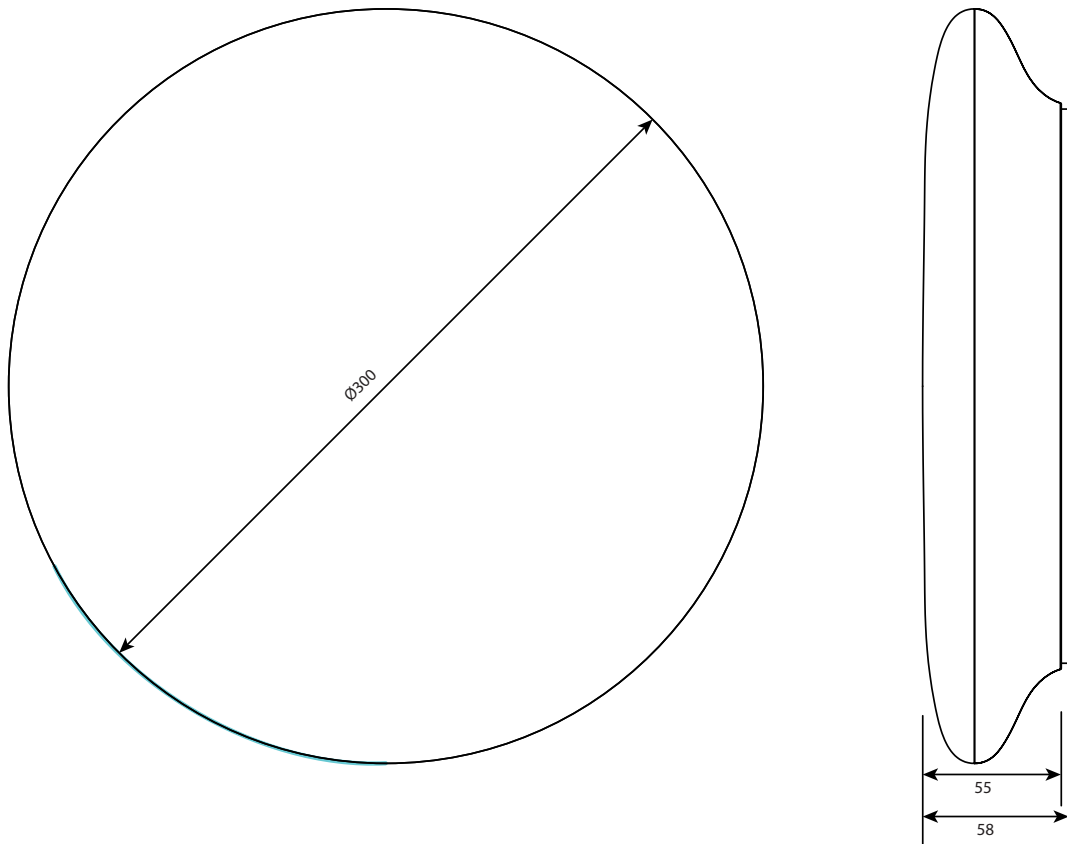
Slide switch for color selection



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.

#### 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
136-042	AC230V	12W	≥0.9	1150	3000K	120°	50000h	≥80	No	Ø300*58mm
				1200	4000K					
				1180	5700K					

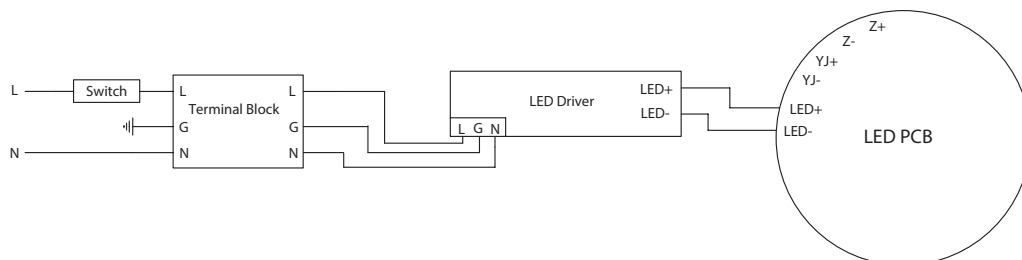
## Driver data Sheet

Driver data	
Input rated Voltage	AC230V
Frequency	50Hz
Input Voltage	AC85-265V
Efficiency	≥88%
No load wattage	≤0.5W
Total load Wattage	12W±1W
Power Factor	≥0.9
Rated input current	≤0.1A
Full load output Voltage	60-72V
Rated output current	150mA
Output current range	150mA±5%
Power tolerance	±5%
Current output tolerance	±5%
Hold time	—
Detection distance	—
Short circuit protection	PASS
Over voltage protection	PASS
Over temperature protection	PASS
Withstand voltage	—

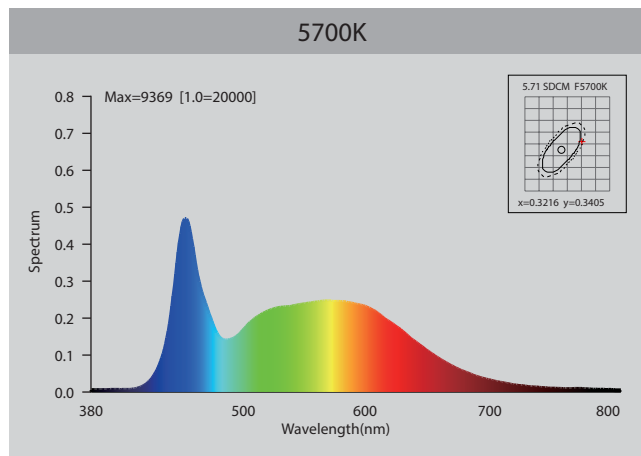
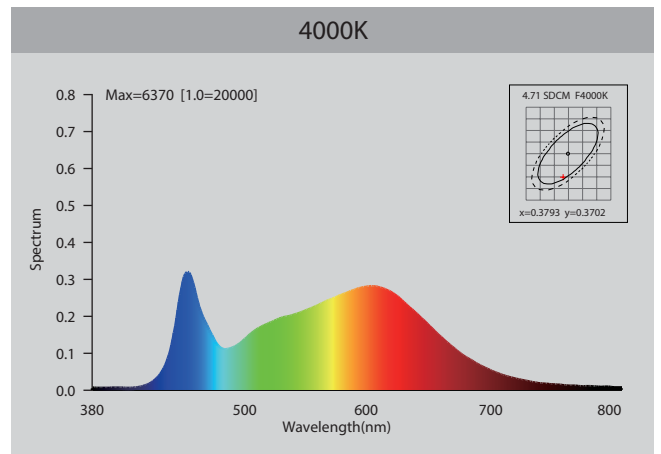
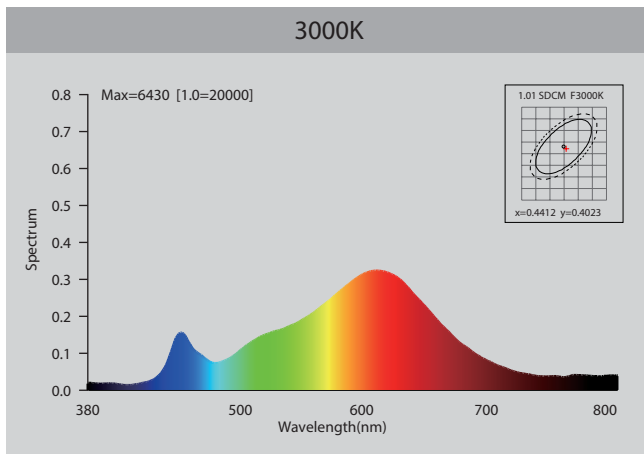
## Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
12W	II	IP54	-20°C~45°C	0~90%	-20°C~65°C

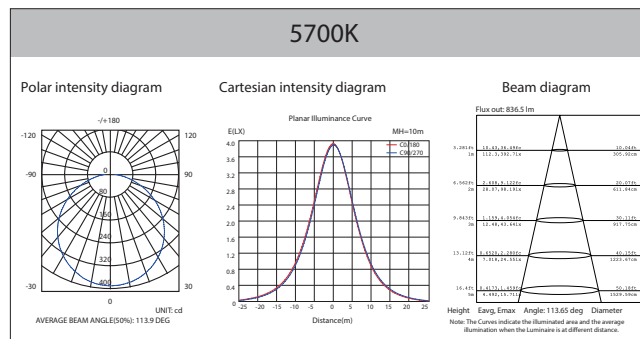
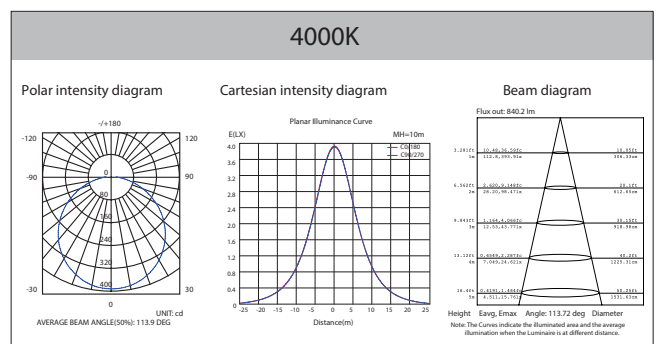
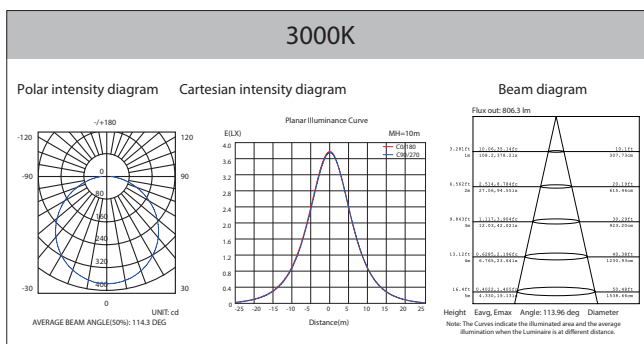
## Wiring Diagram:



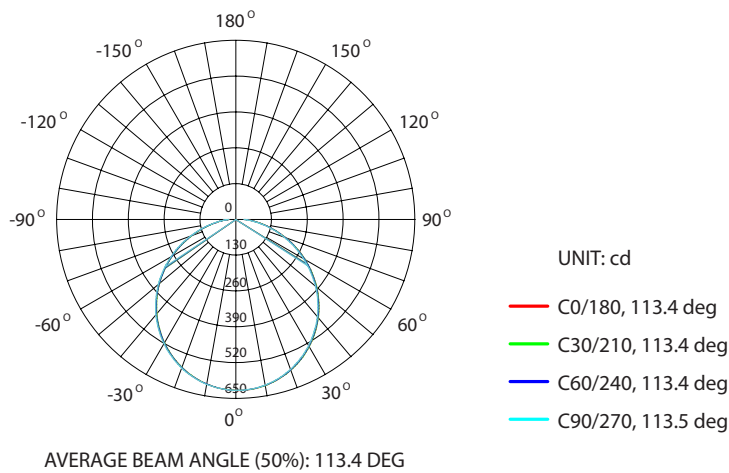
# Spectral Distribution



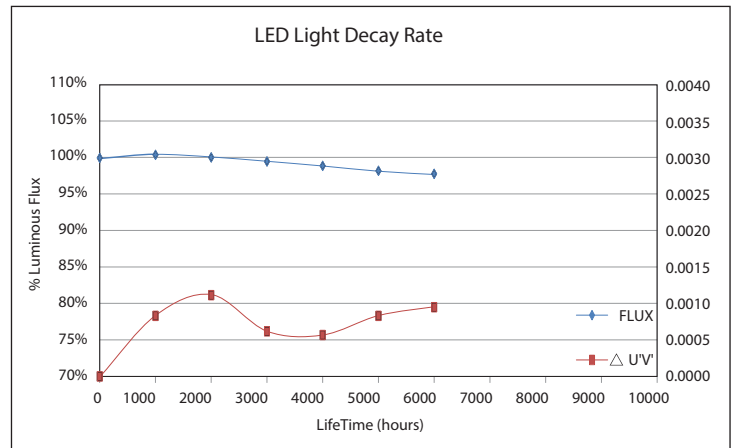
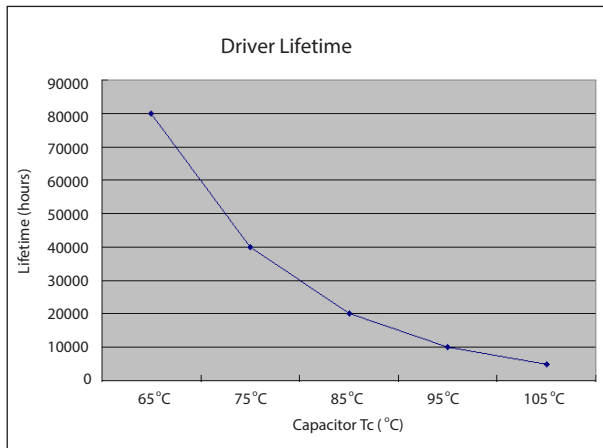
# Photometric Diagram



## Polar Diagram Comparison

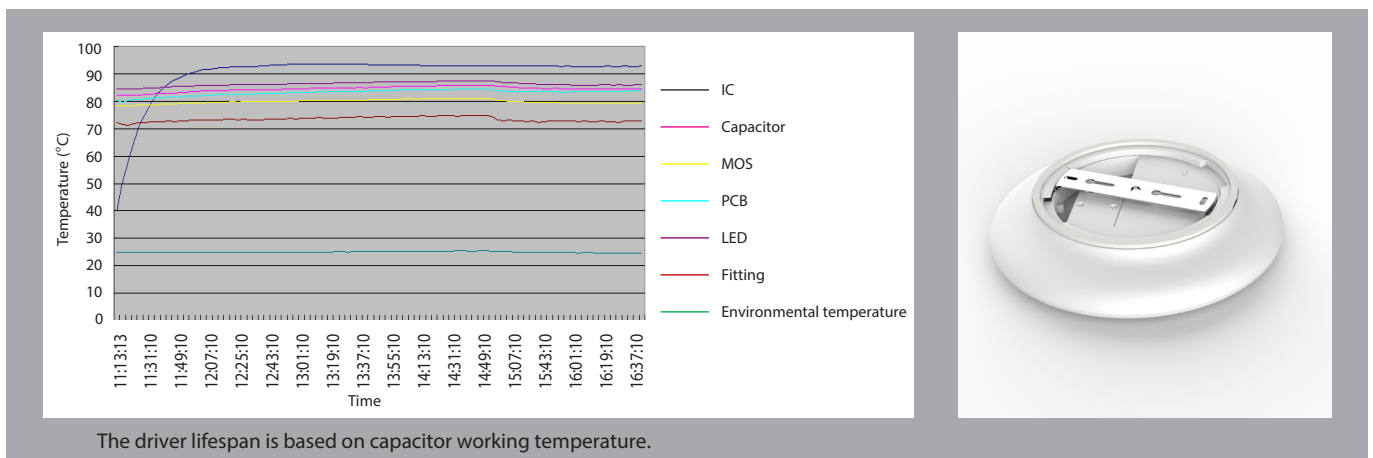


## Driver lifetime & LED light decay rate



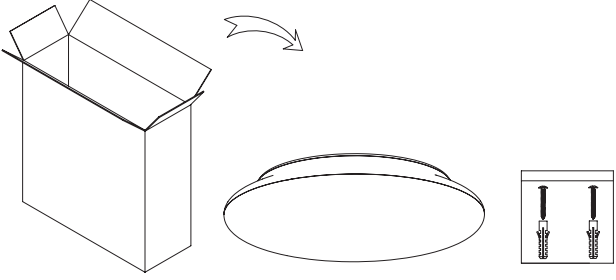
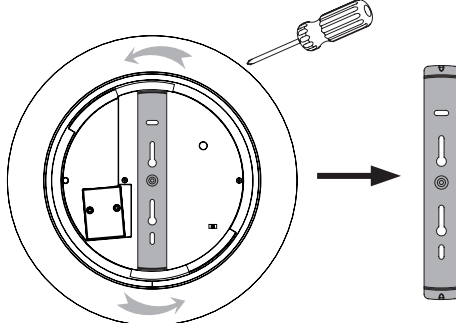
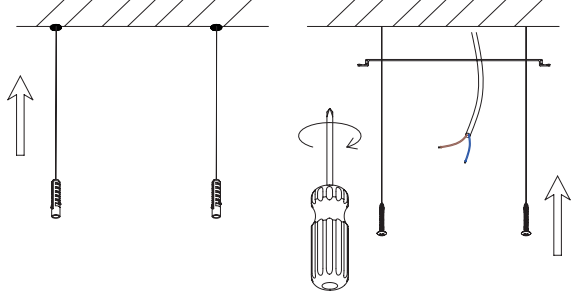
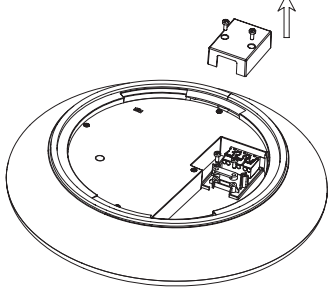
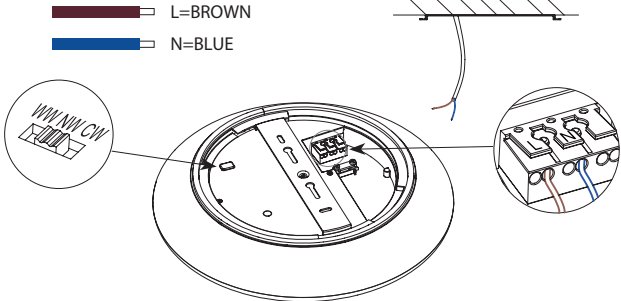
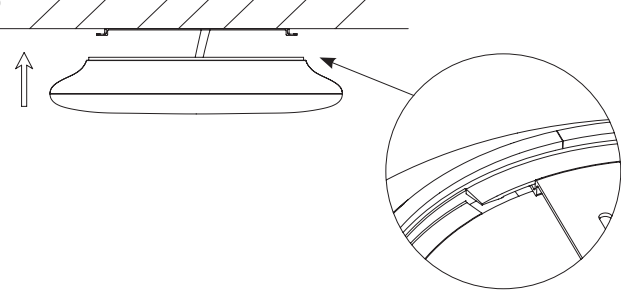
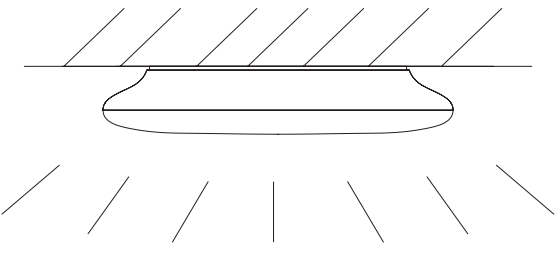
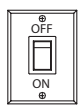

## Temperature

- 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

<p>1</p>  <p>Lamp</p> <p>Installation accessories</p>	<p>2</p>  <p>Pull out the bracket anticlockwise by screw driver, take out the bracket.</p>
<p>3</p>  <p>Knock the plastic anchor into ceiling, fix the bracket with screws on the ceiling.</p>	<p>4</p>  <p>Remove the terminal block cover and crimping clip</p>
<p>5</p> <p> <span style="color: brown;">■</span> L=BROWN  <span style="color: blue;">■</span> N=BLUE         </p>  <p>Choose the CCT by slide switch before installation. Wire "L"/"N" to terminal block.</p>	<p>6</p>  <p>Push the lamp upward and rotate it into bracket. Rotate the lamp clockwise until it is firmly fixed.</p>
<p>7</p>  <div style="text-align: right;">   </div>	

## Packaging Information

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

