



# C-SE-Series

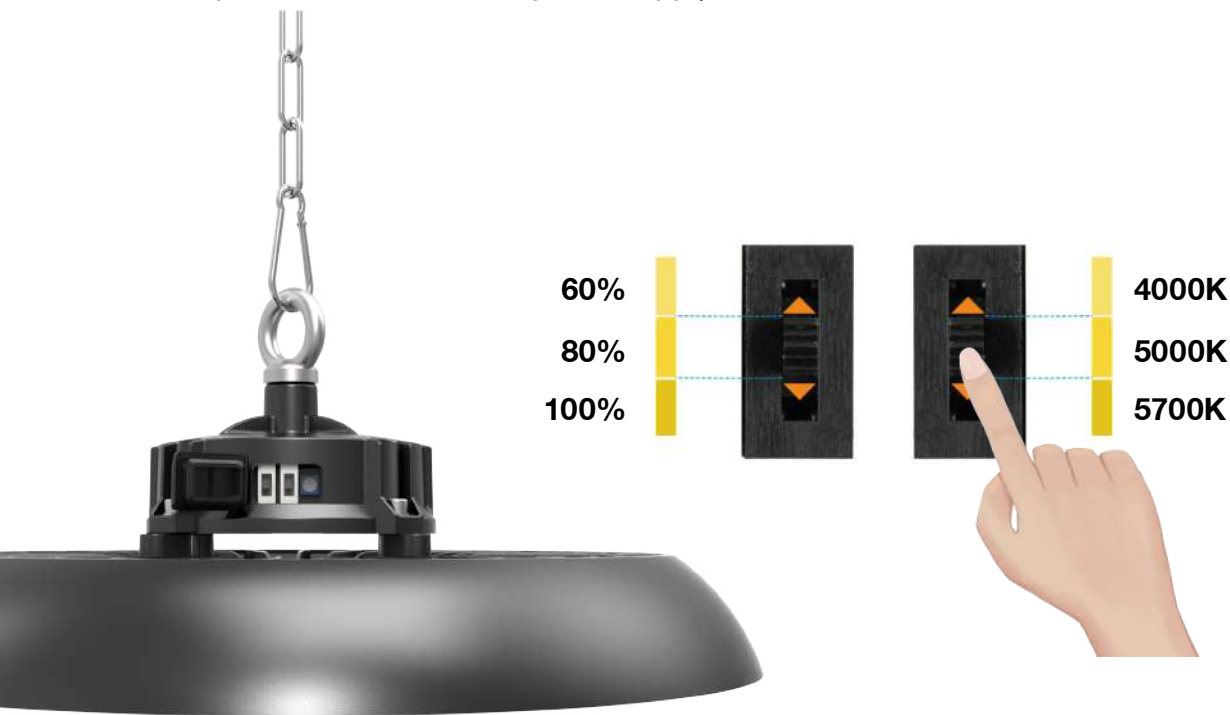
**Enhanced Lifespan of more than 100000 Hours**

Industrial-grade aluminum housing and streamlined heat-dissipation design



## Achieve The Desired Effect

We can push the button on the power supply to achieve the desired effect, as shown in the following figure.



## Power & CCT Driver

The color temperature and brightness ( Power ) are switchable according to the button .



4000k



60%



5000k



80%



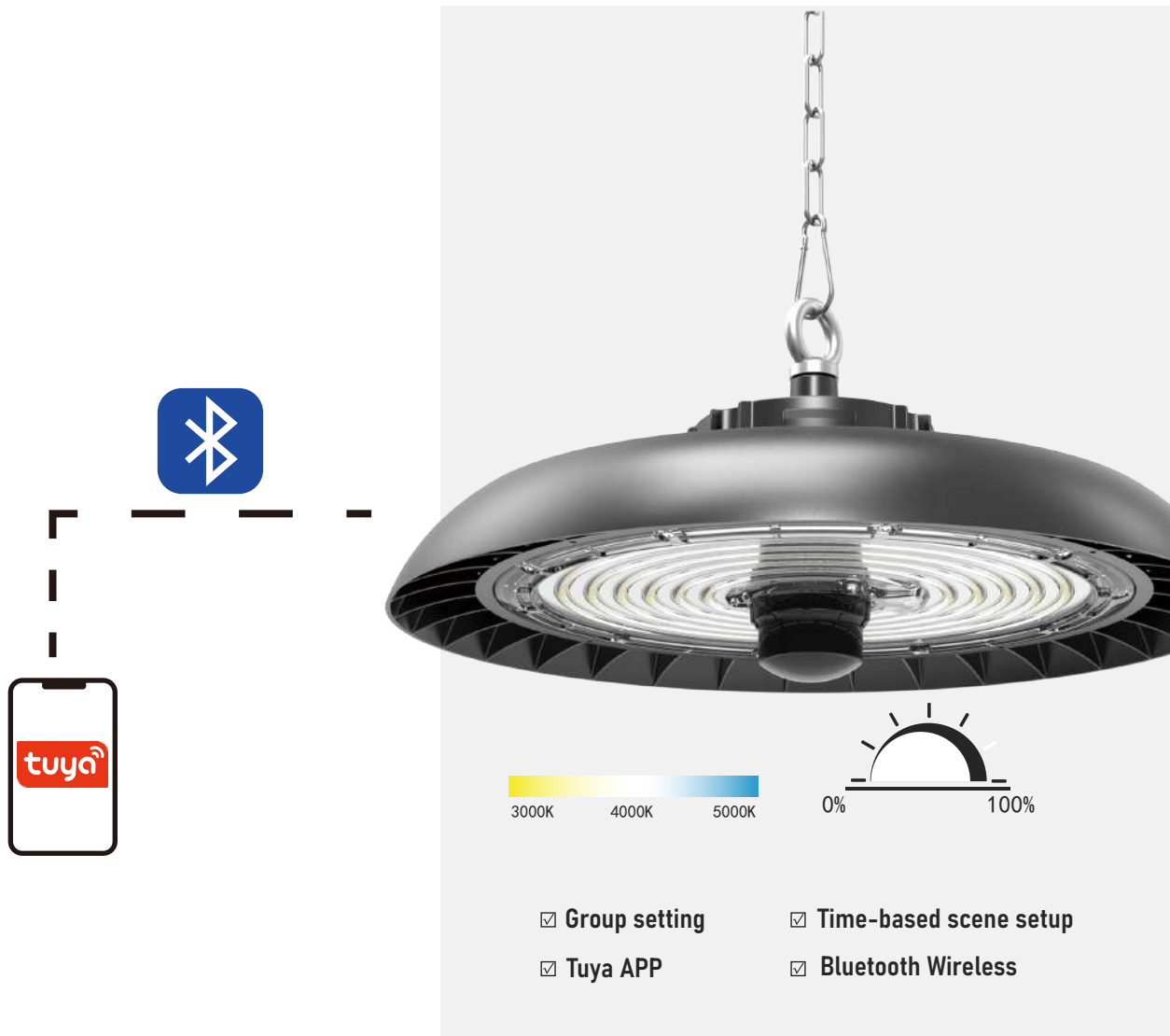
5700k



100%

# Tuya Smart Lighting

This solution is based on the development of Tuya's high performance Wi-Fi + Bluetooth dual-mode module.



The diagram illustrates the smart lighting solution. On the left, a smartphone displays the Tuya app icon. A dashed line connects the phone to a blue Bluetooth symbol, which in turn connects to a large, black, industrial-style pendant light fixture. Below the light fixture, there are two control elements: a color temperature slider ranging from 3000K (yellow) to 5000K (blue), and a brightness slider ranging from 0% to 100% with a sun icon. Below these sliders are four features listed with checkmarks:

- Group setting
- Time-based scene setup
- Tuya APP
- Bluetooth Wireless



## Smart Control, Dynamic Lighting

Experience effortless group control and remote operation through the Tuya App on your smartphone. Our luminaires boast patented dual-output drivers, enabling 0-100% brightness adjustment and simultaneous CCT tuning (3000K-5000K). Illuminate with precision and style.

# SPECIFICATIONS TABLE

GENERAL INFORMATION	
Driver included	Yes
CE mark	Yes
RoHS compliant	Yes
Safety features	Open circuit protection Short circuit protection Overvoltage protection
Testing standard	LM-79-19 (all measurements in ISO17025 accredited laboratory)
HOUSING AND FINISH	
Housing	Aluminium
Optic	Polycarbonate
Protector	Polycarbonate (with integrated lenses)
Housing finish	Electrostatic polyester powder coating
Standard colour(s)	RAL 9017 black
OPERATING CONDITIONS	
Operating Temperature Range (Ta)	-30°C to + 50°C
Operating Humidity	10-90%RH
Mounting Option	Loop Hanging Bracket Mounting
Warranty	5 years
PERFORMANCE	
Power	100W/150W/200W
Efficacy	210lm/W, 190lm/W, 170lm/W, 150lm/W
Efficacy(3CCT Model)	185lm/W, 170lm/W
Efficacy(Sensor Model)	190lm/W, 170lm/W, 150lm/W
Power Efficiency	≥93%
Start Time	≤0.2S
Warm-up time to 60%	0.5S

ELECTRICAL INFORMATION	
Electrical Class	Class I EU
Nominal Voltage	120-277V   50/60Hz
Power factor (at fullload)	0.9
Surge Protection Options (KV)	6KV-Line-Line 6KV-Line-Earth
Electromagnetic Compatibility (EMC)	EN 55015:2019/A11:2020, EN 61000-3-2:2019, EN 61000-3-3:2013, EN 61547:2009, EN 62493:2015
Total Harmonic Distortion(THD)	IEC 61000-3-2 Class C <20%
Driver Type	Constant current(CC)
Withstand Voltage	1.5KV 60S 10mA
OPTICAL INFORMATION	
LED Type	SMD2835
Beam Angle	60° / 90° / 120°
Beam Angle(Sensor Model)+	90°
Recommended installation height	4m to 12m
Color Tolerance	Ra70 ≤7 Ra80 ≤5
LED colour Temperature	3000K / 4000K / 5000K / 5700K / 6500K
Colour Rendering Index (CRI)	CRI>70 standard CRI>80 optional
Upward Light Output Ratio (ULOR)	0%
LIFETIME OF THE LEDS @ TA 25°C	
All configurations	
L70B50	> 100,000h
L80B20	> 50,000h
L90B10	> 30,000h
Switching Cycles	> 100,000 times

※Lamp switch must control L line or control L and N lines.  
 ※Ra measurement tolerance is ±2.

# PACKAGING

POWER	PACKAGE SIZE	QTY/CTN	SINGLE PIECE VOLUME	NET WEIGHT	GROSS WEIGHT	20GP	40HQ
100W	L275*W275*H165mm	1PCS/CTN	0.0125m3	1.5kg	2.0kg	2000pcs	5150pcs
150W	L310*W310*H170mm	1PCS/CTN	0.0163m3	1.9kg	2.3kg	1895pcs	4638pcs
200W	L360*W360*H175mm	1PCS/CTN	0.0227m3	2.3kg	3kg	1368pcs	3229pcs

# PERFORMANCE

## PREMIUM VERSION

POWER	LUMENS	EFFICACY
100W	21,000LM	210LM/W(Ra70)
	19,000LM	190LM/W(Ra80)
150W	31,500LM	210LM/W(Ra70)
	28,550LM	190LM/W(Ra80)
200W	42,000LM	210LM/W(Ra70)
	38,000LM	190LM/W(Ra80)

## PRO VERSION

POWER	LUMENS	EFFICACY
100W	19,000LM	190LM/W(Ra70)
	18,000LM	180LM/W(Ra80)
150W	28,500LM	190LM/W(Ra70)
	27,000LM	180LM/W(Ra80)
200W	38,000LM	190LM/W(Ra70)
	36,000LM	180LM/W(Ra80)

## STANDARD VERSION

POWER	LUMENS	EFFICACY
100W	17,000LM	170LM/W(Ra70)
	15,700LM	157LM/W(Ra80)
150W	25,500LM	170LM/W(Ra70)
	24,000LM	160LM/W(Ra80)
200W	34,000LM	170LM/W(Ra70)
	32,000LM	160LM/W(Ra80)

## ECO VERSION

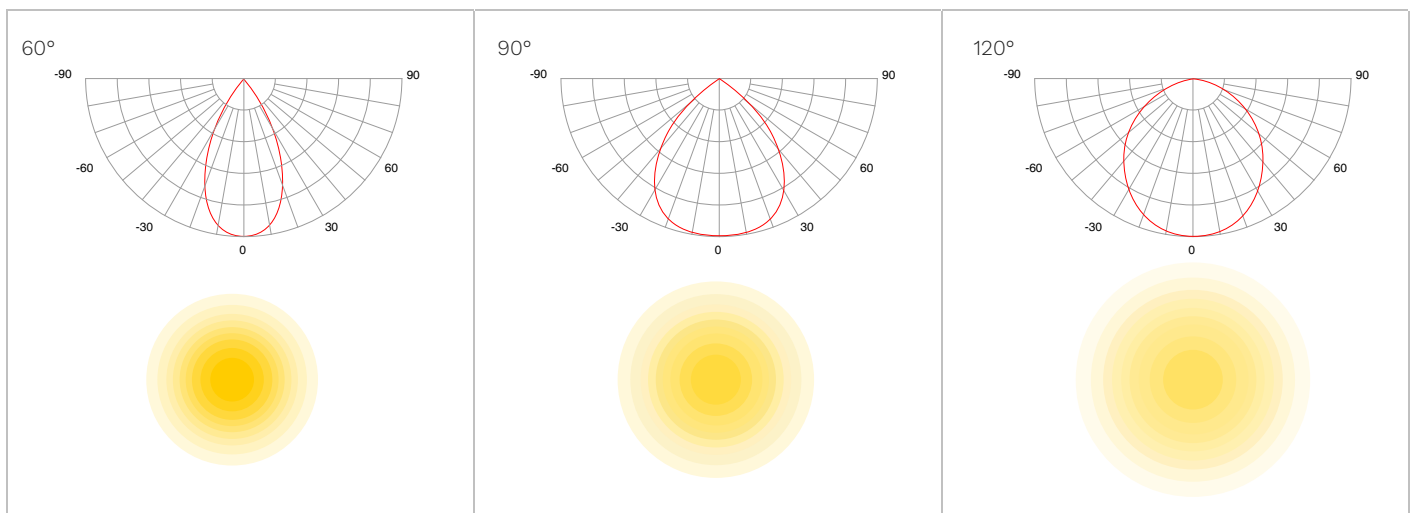
POWER	LUMENS	EFFICACY
100W	15,000LM	150LM/W(Ra70)
	14,000LM	140LM/W(Ra80)
150W	22,500LM	150LM/W(Ra70)
	21,000LM	140LM/W(Ra80)
200W	30,000LM	150LM/W(Ra70)
	28,000LM	140LM/W(Ra80)

※The Performance Data is tested base on 230VAC, 90° and 4000K for all versions  
 ※Power Consumption Tolerance ±5% (Apply to all versions)  
 ※Lumen Efficiency Tolerance ±5% (Apply to all versions)

# APPLICATION



# LIGHT DISTRIBUTIONS



# PENDANT MOUNTING

Power	Size
100W	Φ 230*H153mm
150W	Φ 260*H153mm
200W	Φ 300*H156mm

