



# C-Series

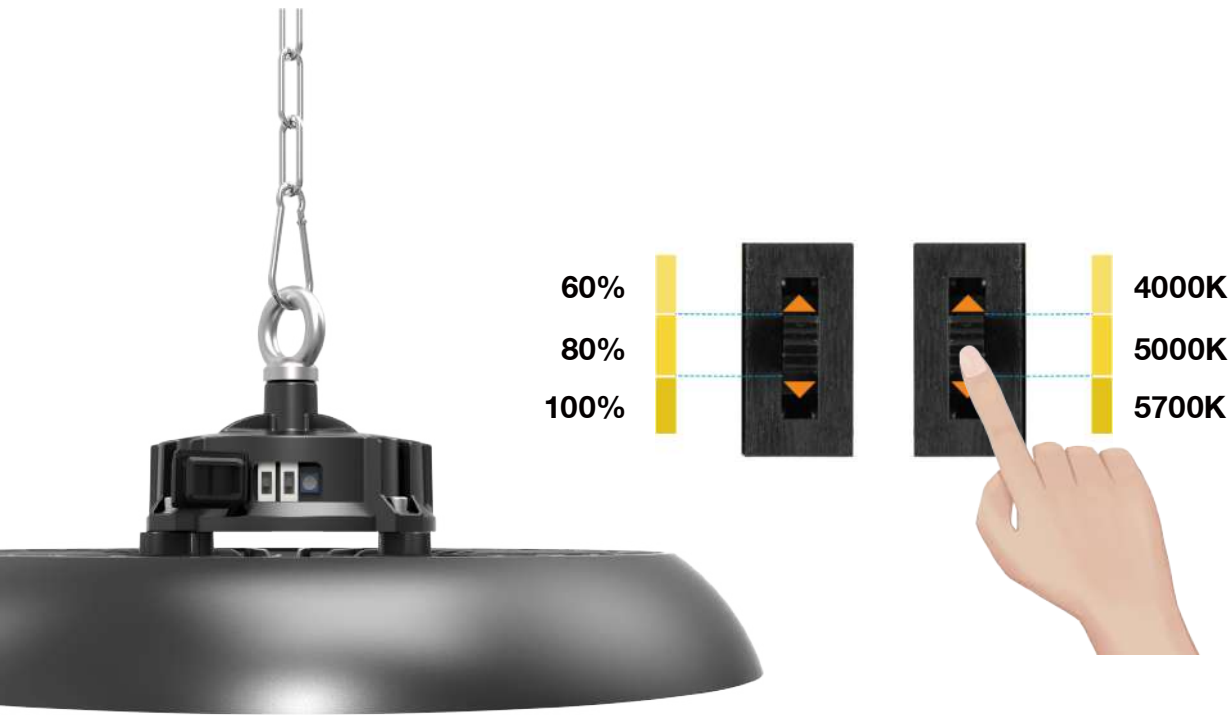
## Enhanced Lifespan of more than 100000 Hours

Industrial-grade aluminum housing and streamlined heat-dissipation design enable and assure an enhanced lifespan of more than 100000 hours.



## 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%



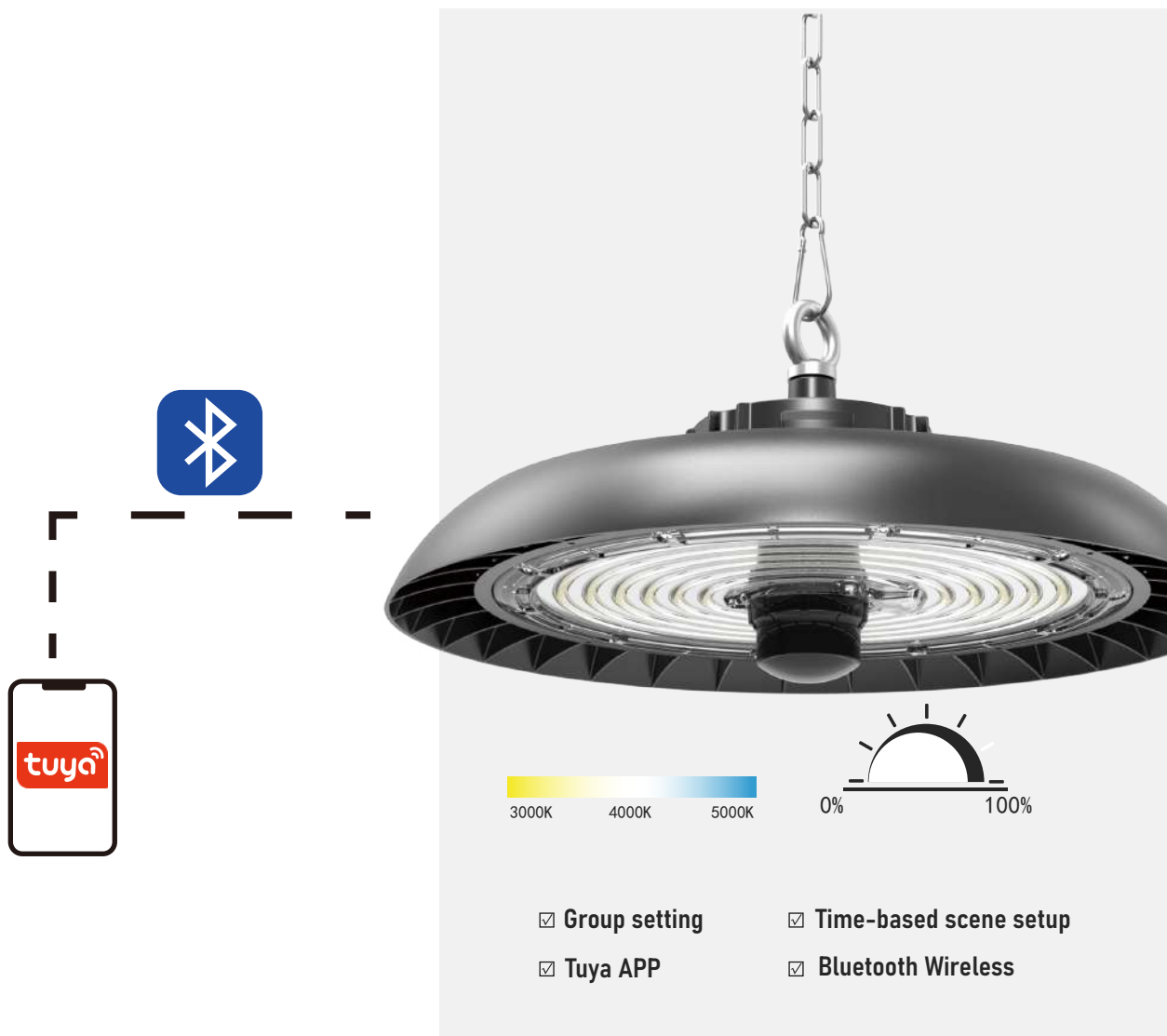
5700k



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 logo. A dashed line connects the phone to a blue Bluetooth symbol. Another dashed line connects the Bluetooth symbol to a large, black, industrial-style pendant light fixture. Below the light fixture, there are two control interfaces: a color temperature slider ranging from 3000K (yellow) to 5000K (blue), and a brightness dial ranging from 0% to 100%.

- 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<br>Short circuit protection<br>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<br>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<br>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<br><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<br>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  | L305*W305*H150mm | 1PCS/CTN | 0.0140m³            | 1.9kg      | 2.3kg        | 1863pcs | 4730pcs |
| 150W  | L345*W345*H160mm | 1PCS/CTN | 0.0190m³            | 2.3kg      | 3.0kg        | 1365pcs | 3466pcs |
| 200W  | L395*W395*H160mm | 1PCS/CTN | 0.0250m³            | 2.9kg      | 3.7kg        | 1042pcs | 2644pcs |

# 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

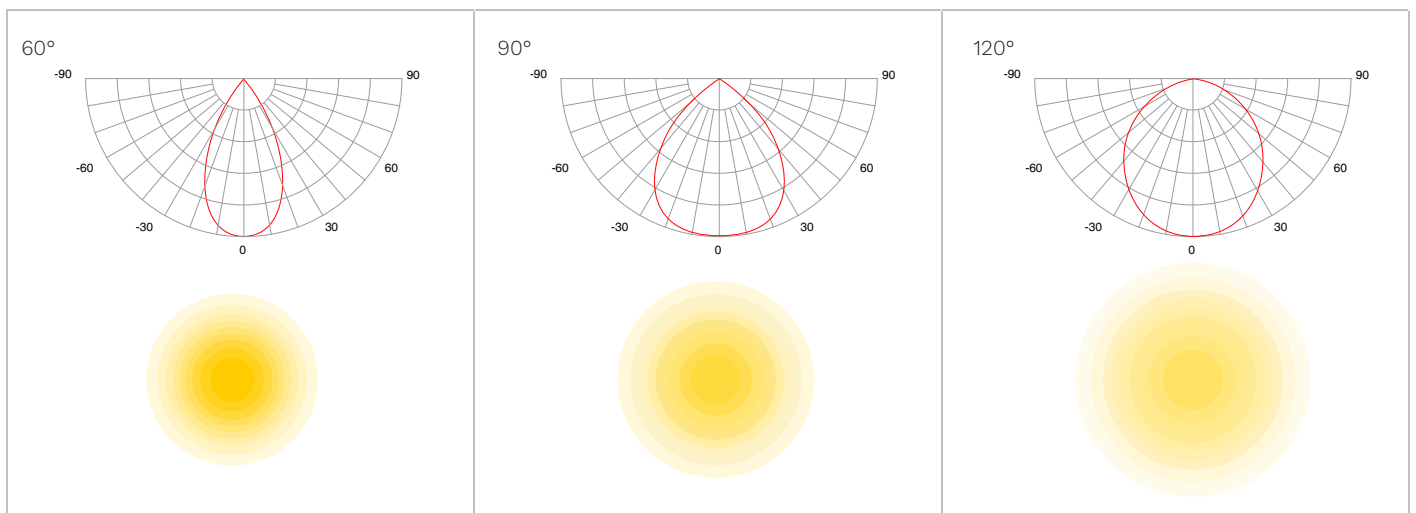
| POWER | LUMENS   | EFFICACY      |
|-------|----------|---------------|
| 100W  | 15,000LM | 150LM/W(Ra70) |
|       | 14,000LM | 140LM/W(Ra80) |
| 150W  | 22,500LM | 150LM/W(Ra70) |
|       | 21,000LM | 140LM/W(Ra80) |
| 200W  | 30,000LM | 150LM/W(Ra70) |
|       | 28,000LM | 140LM/W(Ra80) |

※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  | Φ260*H146mm |
| 150W  | Φ300*H149mm |
| 200W  | Φ350*H150mm |

