



## 5-in-1 LED Controller, DC 12-24 V, 6 A per Channel, 12 A Total, 2.4 GHz RF, IP66

- IP66 waterproof housing rated for -10 to 40 degrees C operation
- 6 A per single channel with 12 A maximum total output
- 2.4 GHz RF protocol with 30 m control distance
- Five output modes: single color, dual white, RGB, RGBW and RGB+CCT
- Auto-forwarding between controllers and automatic mode synchronization
- CE certified with a 1-year warranty

### OVERVIEW

The C-5IN1-RF-IP66 is a five-in-one low voltage LED controller for single color, dual white, RGB, RGBW and RGB+CCT loads. The IP66 waterproof housing measures 150 × 46.5 × 20 mm in a white finish, suiting commercial, hospitality and residential installations where the control point sits outside a dry enclosure.

Input is DC 12-24 V, with 6 A per single channel and 12 A maximum total output. Control uses a 2.4 GHz RF protocol with a 30 m range, 18 built-in dynamic modes, auto-forwarding between controllers to extend range, automatic mode synchronization and a Do Not Disturb function for areas with frequent outages. Working temperature range is -10 to 40 degrees C. TUYA Smart app control, third-party voice control and DMX512 operation are supported with the corresponding gateway or transmitter.

Certified to CE. Covered by a 1-year warranty.

### SPECIFICATIONS

#### OPTICAL

|                  |          |
|------------------|----------|
| Selectable CCT * | CCT      |
| LED Lifetime     | 50,000 h |

#### MECHANICAL

|                    |                |
|--------------------|----------------|
| Product Dimensions | 150×46.5×20 mm |
| Finish             | White          |

#### ELECTRICAL

|                   |      |
|-------------------|------|
| Operating Voltage | 24 V |
| Current Draw      | 12 A |

#### ENVIRONMENTAL

|                               |                        |
|-------------------------------|------------------------|
| IP Rating                     | IP66                   |
| Environmental Rating          | Waterproof             |
| Ambient Operating Temperature | -10-40 °C<br>14-104 °F |

### ORDERING

|          |     |
|----------|-----|
| Warranty | 1 y |
|----------|-----|

### CERTIFICATIONS & COMPLIANCE



CE

APPLICATIONS

Commercial cove and accent lighting

Hotel guest room and corridor lighting

Architectural exterior LED strip runs

Residential under-cabinet and ceiling coves

Retail display and signage lighting

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| slug                 | value          | source | confidence |
|----------------------|----------------|--------|------------|
| cct_selectable       | CCT            | db     | low        |
| led_lifetime_h       | 50,000 h       | db     | high       |
| operating_voltage    | 24 V           | pdf    | high       |
| current_draw         | 12 A           | db     | high       |
| product_dimensions   | 150×46.5×20 mm | db     | high       |
| finish               | White          | db     | high       |
| ip_rating            | IP66           | both   | high       |
| environmental_rating | Waterproof     | db     | high       |
| ambient_temp_c       | -10–40 °C      | pdf    | high       |
| warranty_years       | 1 y            | db     | high       |

\* Value inferred from source data; verify before specification.  
Specifications subject to change without notice.

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