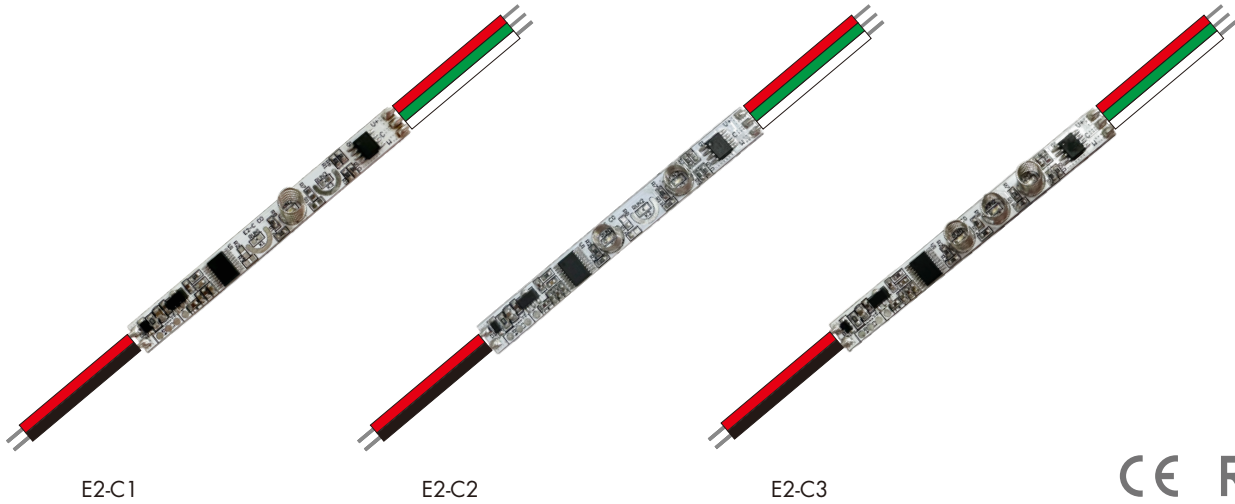


# E2-C1, E2-C2, E2-C3

## Touch Button Constant Voltage CCT LED Controller

Sensor



CE RoHS

### Model List

Model	Product picture	Button Function
E2-C1		<p><b>On/off button</b>            Short-press: Turn on/off the light.            Double-click: Switch long press to adjust brightness or adjust color temperature mode.            Long-press(1-6s): Continuous brightness adjustment in brightness adjustment mode (default).            Continuous color temperature adjustment in color temperature adjustment mode.            (In color temperature adjustment mode, after 10s of no operation, it will automatically return to brightness adjustment mode.)</p>
E2-C2		<p><b>On/off button</b>            Short-press: Turn on/off the light.            Long-press(1-6s): Continuous brightness adjustment.</p> <p><b>Color temperature button</b>            Short-press: Switch 5 levels color temperature (warm white - natural white - cool white).            Long-press(1-6s): Continuous color temperature adjustment.</p>
E2-C3		<p><b>On/off button</b>            Short-press: Turn on/off the light.</p> <p><b>Color temperature button</b>            Short-press: Switch 5 levels color temperature (warm white - natural white - cool white).            Long-press(1-6s): Continuous color temperature adjustment.</p> <p><b>Brightness button</b>            Short-press: Switch 5 levels brightness(10%,25%,50%,75%,100%).            Long-press(1-6s): Continuous brightness adjustment.</p>

### Features

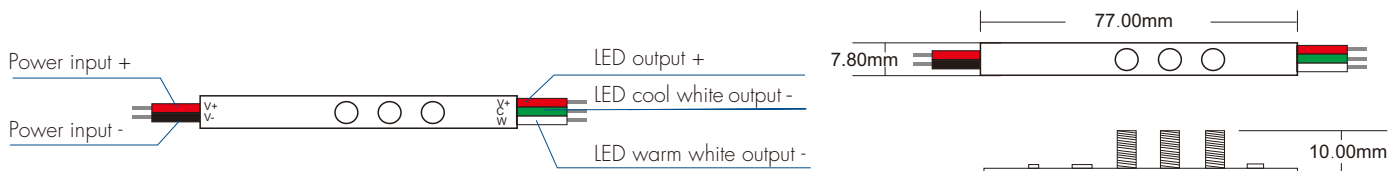
- 1/2/3 touch button constant voltage CCT LED controller.
- Turn on/off the light, adjust brightness or color temperature via buttons.
- Each touch button with blue LED indicator.
- 3M paste in the bottom of the PCBA make easy installation and security.
- The media on the touch spring can be PC cover, acrylic board or mirror glass.
- Reverse protection.
- Widely used in table lamps, bedroom lamps, wardrobe lights, etc.

## Technical Parameters

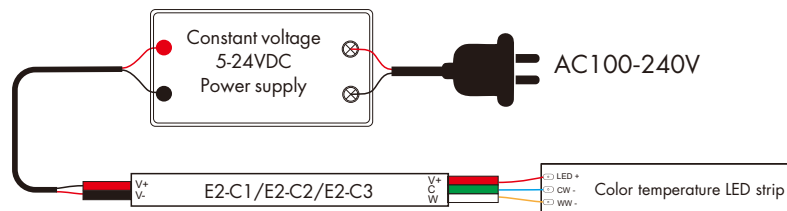
Input and Output		Dimming data		Safety and EMC	
Input voltage	5-24VDC	Dimming gray scale	256 level	EMC standard	EN IEC 55015:2019+A11:2020 EN 61547:2023
Output voltage	5-24VDC	Dimming range	5-100%		EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A1:2019
Output current	2A/CH	Dimming curve	linear		Safety standard
Output power	(10-48)W/CH	PWM Frequency	2KHz	Certification	CE
Output type	Constant voltage	Environment		Package	
		Operation temperature	Ta: -10 °C ~ +45 °C	Size	90 x 130mm
Warranty		Case temperature (Max.)	Tc: +75 °C	Gross weight	0.012kg
Warranty	5 years	IP rating	IP20		

## Mechanical Structures

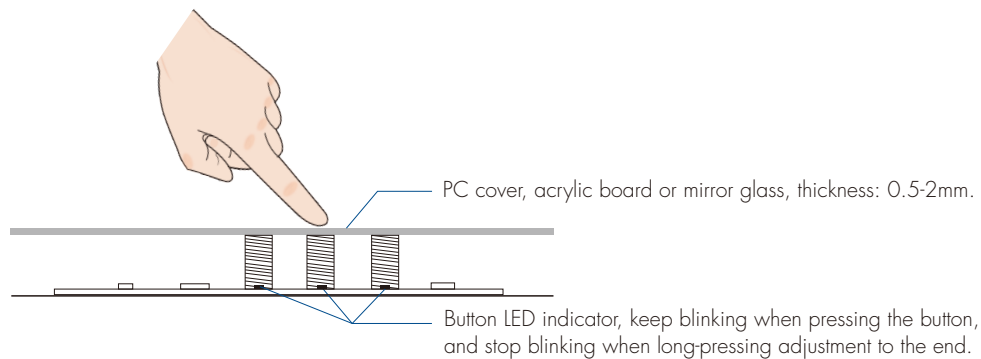
Take E2-C3 for example (E2-C1, E2-C2 differ only in the number of buttons):



## Wiring and Installation Diagram



Take E2-C3 installation for example (E2-C1, E2-C2 differ only in the number of buttons):



- Put touch LED controller into proles when power is off.
- When install it in high humidity places (for example, bathroom or kitchen), please make sure your LED proles is isolated against water, otherwise it will affect the sensitivity of touch sensor.
- Pay attention to power input and LED output polarity.

## Button Sticker

You can attach a button function sticker above the touch button.

