LED Controller 3 in 1 | RGB + RGBW + RGBCCT | RF 2.4 GHz | 12–24V

Product code:

Reference: FL6831-FUT037S+

Technical specifications:

REFERENCE: FL1855-FUT037W
Nominal Voltage: DC 12 -24V
Colour: RGB / RGBW / RGB+CCT
IP : IP20
Dimensions (mm): 36x74,5x17mm
Frequency (Hz): 2.4GHz
Temperature Range (ºC): -10ºC - 40ºC
Warranty Years: 3
Range (m): 30m
Main colour: White

Product short description:

LED Controller 3 in 1 (2.4 GHz) RGB / RGBW / RGBCCT. Controls up to **4 LED strip zones** with a total power of **12A (6A/channel)** and a range of **30 meters**. Adjust brightness and color temperature with precision and easily switch between **RGB, RGBW, and RGB+CCT** modes for flexible, personalized lighting. **Compatible with DMX512** (requires LED DMX512 transmitter in RGB+CCT mode). Perfect for professional and decorative projects that demand versatility and full control.

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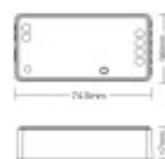
The **LED Controller 3 in 1 (2.4 GHz)** is the perfect solution for those seeking complete, professional control over LED lighting. Designed for maximum performance and flexibility, this controller manages **up to 4 independent LED strip zones** with a total power of **12A (6A per channel)** and a control range of **up to 30 meters**, thanks to its advanced **2.4 GHz RF wireless technology**.

With a single button, you can **switch between RGB, RGBW, and RGB+CCT modes**, adapting your lighting to any environment or need. Its ability to **precisely adjust brightness, color temperature, and saturation** allows you to create personalized lighting scenes—from warm, cozy tones to cool, vibrant light perfect for work or display spaces.

The controller offers **over 16 million colors** and an **adjustable CCT color temperature**, making it easy to achieve dynamic and versatile lighting for any application. Additionally, its **smooth, flicker-free transitions** ensure a pleasant, stable, and professional visual experience, ideal for environments where light quality is essential.

Compatible with the DMX512 protocol, this controller integrates easily into professional lighting systems. (An LED DMX512 transmitter is required for RGB+CCT mode.) This compatibility expands control options, allowing precise synchronization with DMX consoles or smart systems.

Additional images:

Technical Datasheet