

Single Channel RF LED Dimmer Controller, 144W, 433MHz Wireless Remote

OVERVIEW

The C-1-R144 is a single-channel RF mini LED dimmer controller designed for wireless brightness control of single-color LED loads including LED strip lights, LED source modules, wall washers, and glass curtain lights. It operates via a 433MHz RF remote and is suited for both commercial and residential low-voltage LED lighting installations.

The controller accepts an input voltage of DC 5–24V and delivers up to 6A per output circuit, with maximum output power of 72W at 12V or 30W at 5V. Static power consumption remains below 0.5W. It supports 10 brightness levels in static mode and 8 dynamic lighting modes including breathing, strobe, and fade. Operating temperature range is -20°C to 60°C. The compact controller body measures 40 × 12 × 5mm and weighs 35g net.

This product carries RoHS compliance. No additional certifications are confirmed in available source documentation. Warranty terms are not specified in the product datasheet; contact your Poli LED & Signs representative for applicable coverage details.

SPECIFICATIONS

Power	0.5 W	Dimensions	40.0 × 12.0 × 5 mm
IP rating	IP20	Weight	35 g
Input voltage	DC 5–24V V	Operating temp	-20 to 60 °C