



- ### Single Color LED Controller, 12 - 24 V DC, 144 W Output, 6 A Max, 2.4 GHz RF, IP20
- Constant voltage output rated 144 W at 12 - 24 V DC
 - Maximum output current of 6 A on a single channel
 - 4096 -level logarithmic dimming across a 0.1% to 100% range
 - 2.4 GHz RF control at up to 30 m with auto-forwarding between units
 - Bare male and female DC connectors accept 0.5 - 4.0 mm² conductors
 - IP20 white housing measuring 76 × 19 × 8.8 mm, CE marked

OVERVIEW

A compact single-channel constant-voltage controller for single color low voltage LED strip and module runs. The 76 × 19 × 8.8 mm housing fits inside extrusions, coves and signage cabinets, and bare DC male and female connectors on the input and output simplify inline connection to existing leads.

Input is DC 12 - 24 V with a maximum output current of 6 A and output power up to 144 W. Dimming uses 4096 discrete levels on a logarithmic curve across a 0.1% to 100% range, with switchable high and low frequency PWM output. Control is 2.4 GHz RF at up to 30 m, with signal auto-forwarding between controllers, do-not-disturb operation after power interruptions, and pairing of up to 12 compatible remotes per controller.

Rated IP20 for dry interior locations, with a working temperature range of -10 to 40 C. CE marked and covered by a 5-year warranty.

SPECIFICATIONS

OPTICAL

Selectable CCT *	Single Color
LED Lifetime	50,000 h

MECHANICAL

Product Dimensions	76×19×8.8 mm
Finish	White

ORDERING

Warranty	5 y
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ELECTRICAL

Operating Voltage	24 V
Wattage	144 W
Current Draw	6 A
Dimmer Type	0 - 10V
Input Connection Type	Bare male and female DC connectors

ENVIRONMENTAL

IP Rating	IP20
Environmental Rating	Non - Waterproof
Ambient Operating Temperature	-10-40 °C 14-104 °F



CE

APPLICATIONS

- Cove and perimeter lighting circuits
- Illuminated signage cabinets
- Retail display and casework lighting
- Architectural accent strip runs
- Hospitality guest room lighting

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
cct_selectable	Single Color	db	low
led_lifetime_h	50,000 h	db	high
operating_voltage	24 V	pdf	high
wattage	144 W	pdf	high
current_draw	6 A	db	high
dimmer_type	0 - 10V	db	high
input_connection_type	Bare male and female DC connectors	pdf	high
product_dimensions	76×19×8.8 mm	db	high
finish	White	db	high
ip_rating	IP20	both	high
environmental_rating	Non - Waterproof	db	high
ambient_temp_c	-10–40 °C	db	high
warranty_years	5 y	db	high

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