



Wireless

data sheet RDC300

300W 12 OR 24V CONSTANT VOLTAGE LED DIMMER



WHAT IS IT ?

A compact single channel 300W constant voltage LED dimmer with in-built RF receiver and Rako processor for control of single channel constant voltage LED fittings.

Controlled from any Rako Rakom device e.g. RCP/RCM wall plates or Bridge interface units.

The RDC300 is a 150w 12V or 300w 24V low voltage DC dimmer for tungsten halogen or constant voltage LEDs



IN CONTROL

Designed for use with single channel constant voltage LED fittings and single channel LED tape light.

Maximum wattage of 150w for 12V d.c. fittings or 300w for 24V d.c. fittings. Requires a suitable external d.c. power supply (normally the power supply that would be supplied with the fitting for a non-dimming application). The RDC300 offers a higher power rating than the similar RLED50-1DCV but with a slightly lower dimming resolution.

Programmed using either an RCM/RCP RF wallplate or the RASOFT PC software suite, the unit stores the house, room and channel address plus 16 preset scene levels in non volatile memory.

The RDC300 dimmer can be controlled from any Rako transmitter such as RCM/RCP wallplates, RAH hand helds and Bridge modules and forms the foundation of any Rako scene-set system.

For more information on dimming LEDs refer to Rako's application sheet 'Controlling LED Lighting With Rako Dimmers and Modules'



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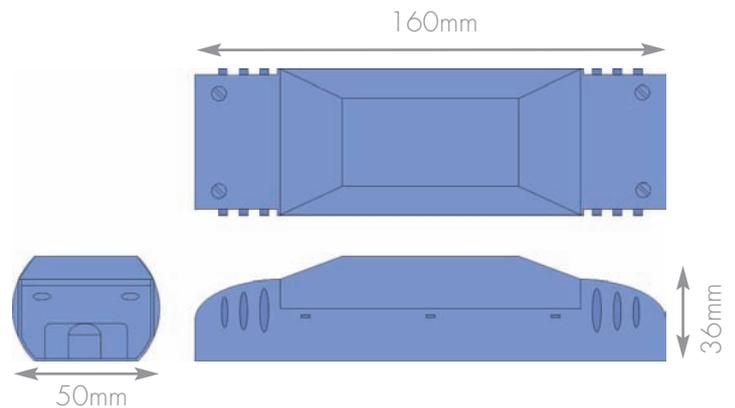
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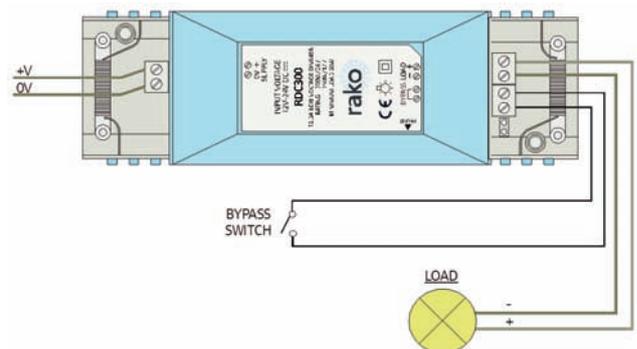
technical data

dimensions	160x50x36mm
input supply	12 or 24V
weight	125g
housing	UL V0 ABS
climate range	Temperature +2C to +40C Humidity +5% to 95% non condensing
connections	3 way screw terminals for mains power
protection	Auto resetting over current protection Auto thermal shutdown
load types	Single channel constant voltage LED fittings and tapelight.
minimum load	1w
maximum load	150w @ 12V d.c. 300w @ 24V d.c.
terminal sizes	1.5mm ² - Stranded 2.5mm ² - Solid
standards	Emissions - EN61000-6-3 : 2001 Immunity - EN61000-6-1 : 2001
communication	Rakom coded fm radio, 433.9MHz
memory	Flash memory (non volatile)

mechanical data



wiring schematic



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