# RLED50-1DCV

WIRELESS 50W CONSTANT VOLTAGE LED DIMMER.

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## WHAT IS IT ?

A compact single channel 50W 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 RLED50-1DCV is a wireless 50w constant voltage dimimg LED driver, suitable for ceiling or cupboard mounting.

### IN CONTROL

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

Maximum wattage of 50w for 12V d.c. fittings or 100w 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).

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 RLED50-1DCV 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'.
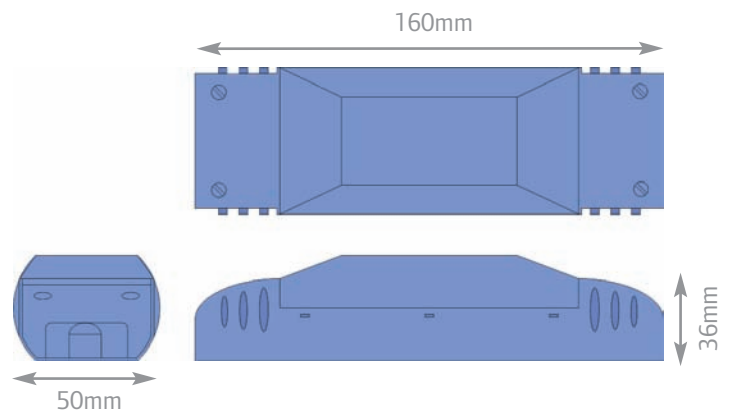
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## data sheet
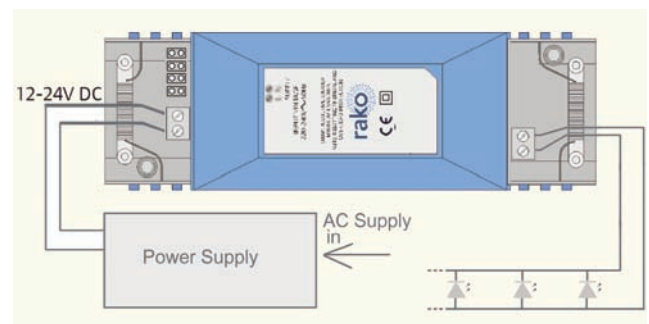# RLED50-1DCV
WIRELESS 50W CONSTANT VOLTAGE LED DIMMER.

## technical data

| | |
|---|---|
| dimensions | 160x50x36mm |
| input supply | 230V AC +/-10%  50Hz |
| weight | 125g |
| housing | UL V0 ABS |
| climate range | Temperature  +2C to +40C Humidity +5% to 95% non condensing |
| connections | 2 way screw terminals for 12-24v d.c. supply. 2 way screw terminals for load connections. |
| protection | Reverse polarity input protection. Output current limit protection. |
| load types | Single channel constant voltage LED fittings and tapelight. |
| minimum load | 1w |
| maximum load | 50w @ 12v d.c. 100w @ 24v d.c. |
| terminal sizes | 1.5mm2 - Stranded 2.5mm2 - 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



160mm

50mm

36mm

## wiring schematic



12-24V DC

Power Supply

AC Supply in