



Wireless

data sheet

## RLED90-3DCV

WIRELESS 90W THREE CHANNEL (RGB) CONSTANT VOLTAGE LED DIMMER.



### WHAT IS IT ?

A compact 3 channel 90W constant voltage LED dimmer with in-built RF receiver and Rako processor for control of 3 channel constant voltage LED fittings.

When used with 3 colour fittings each colour is allocated a channel and can be individually adjusted allowing complete colour mixing. Simple colour cycling is started/stopped using the raise/lower buttons in a Rako wallpanel or hand held remote.

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

The RLED90-3DCV is a wireless 90w three channel (RGB) constant voltage dimming LED driver, suitable for ceiling or cupboard mounting.



### IN CONTROL

Designed for use with 3 channel constant voltage LED fittings and 3 channel LED tape light with either common or separate +ve and -ve connections.

Maximum wattage of 90w (30w per channel) for 12V d.c. fittings or 180w (60w per channel) 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 RLED90-3DCV 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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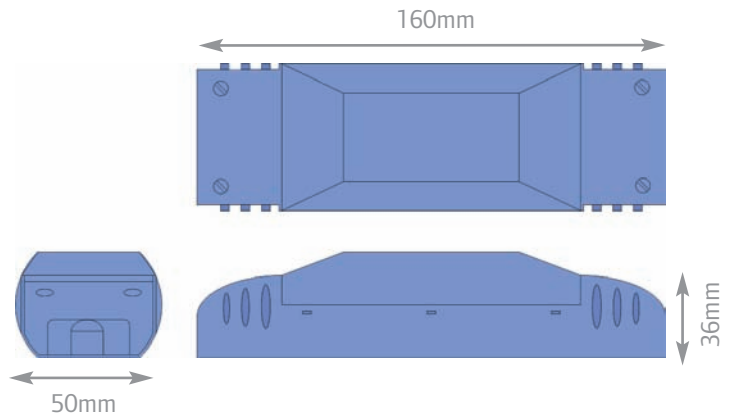
WIRELESS 90W THREE CHANNEL (RGB) CONSTANT VOLTAGE LED DIMMER.



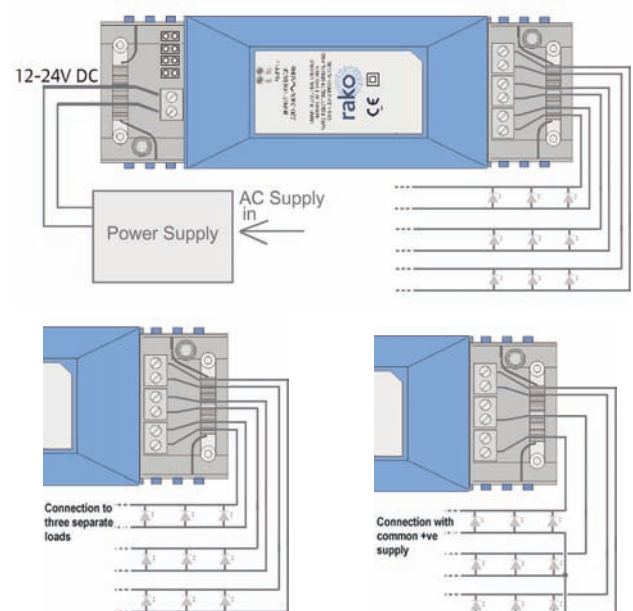
## technical data

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 condensin
connections	2 way screw terminals for 12-24v d.c. supply. 6 way screw terminals for load
protection	Reverse polarity input protection. Output current limit protection.
load types	3 channel constant voltage LED fittings and tapelight.
minimum load	1w
maximum load	90w@12v d.c. 180w@24v d.c.
terminal sizes	1.5mm <sup>2</sup> - Stranded 2.5mm <sup>2</sup> - 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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