



Wireless

data sheet

# RLED36-3DCI

WIRELESS THREE CHANNEL (RGB) 36W CONSTANT CURRENT LED DIMMER.



## WHAT IS IT ?

A compact 3 channel 36W constant current LED driver with in-built RF receiver and Rako processor. For control of 3 channel constant current LED fittings with selectable outputs of 350, 500, 600 and 700mA.

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 Rakom device, e.g. RCP/RCM wall plate or Bridge interface units.

The RLED36-3DCI is a wireless (RGB) 36w constant current dimming LED driver, suitable for ceiling or cupboard mounting.



## IN CONTROL

Designed for use with 3 channel constant current LED fittings with separate +ve and -ve connections. Note some fittings with a common return can be modified to enable their use.

Maximum wattage of 36w with a forward voltage range of 3-42V (equates to 12 x 1w LEDs per channel). Requires a suitable external d.c. power supply such as the Rako RAPSU48v36w. Selectable current ratings of 350, 500, 600 and 700mA via jumper connectors.

### Current Output

Power Supply Volts	350mA	600mA	700mA
12V	3	3	3
24V	6	6	4
48V	12	6	4

Table shows max no. LEDs per channel.

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 RLED36-3DCI 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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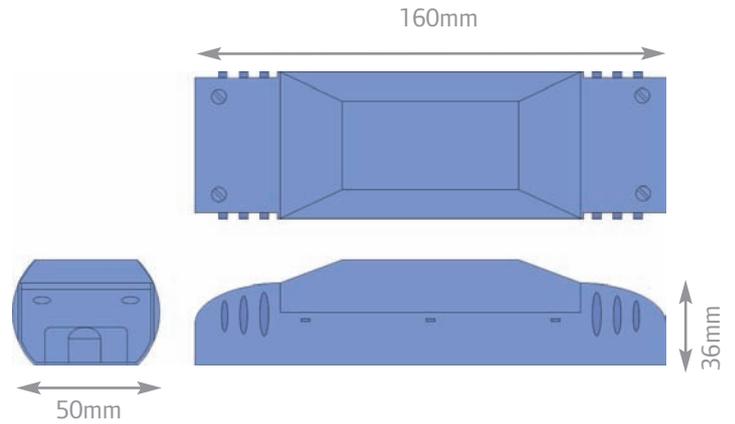
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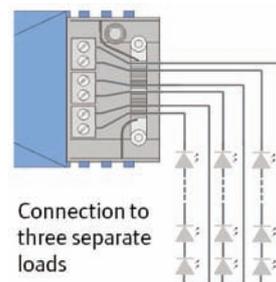
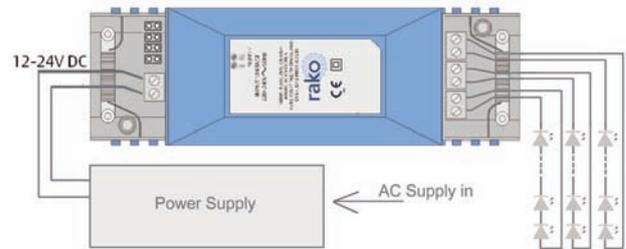
## technical data

dimensions	160x50x36mm
input supply	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 terminals for d.c. supply 6 way screw terminals for load connections.
protection	Reverse polarity input protection.
load types	3 Channel Constant Current LED Fittings
minimum load	3w
maximum load	36w
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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