

## DATA SHEET

# RDL500C

500W LEADING EDGE DIMMER



### WHAT IS IT ?

A compact 500w RF dimmer designed to fit through the aperture of a standard low voltage down light fitting.

The dimmer is connected in-line before the first light fitting, to enable dimming of up to 500w of leading edge dimmable loads.

Controlled from any Rako RAKOM RF device, for example the RCP07W push button RF wall plate.

The RDL500C in-line RF dimmer for Tungsten, Low Voltage Halogen and other leading edge dimmable loads



### IN CONTROL

Designed to fit in a ceiling void or cupboard, the RDL500C inductive dimmer can control up to 500 watts of mains dimmable lighting loads. The unit can also be used for exterior lighting control applications, with the use of a weatherproof IP rated enclosure.

The robust microprocessor design combines smooth reliable dimming with dynamic safety features such as auto-resetting over current, temperature shutdown and voltage surge protection.

Programmed using either an RCP07 RF wallplate or the RASOFT PC software suite, the unit stores the house, room and channel address plus four preset scene levels in non volatile memory.

The RDL500C dimmer can be controlled from any Rako transmitter such as RCP wallplates, RAH hand helds, MB1 timeclocks and forms the foundation of any Rako scene-set system.

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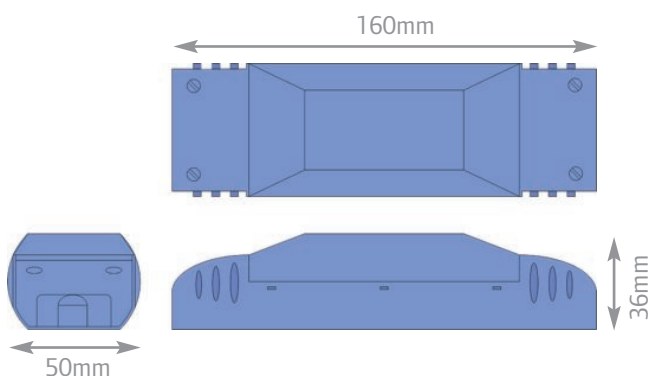
500W LEADING EDGE DIMMER



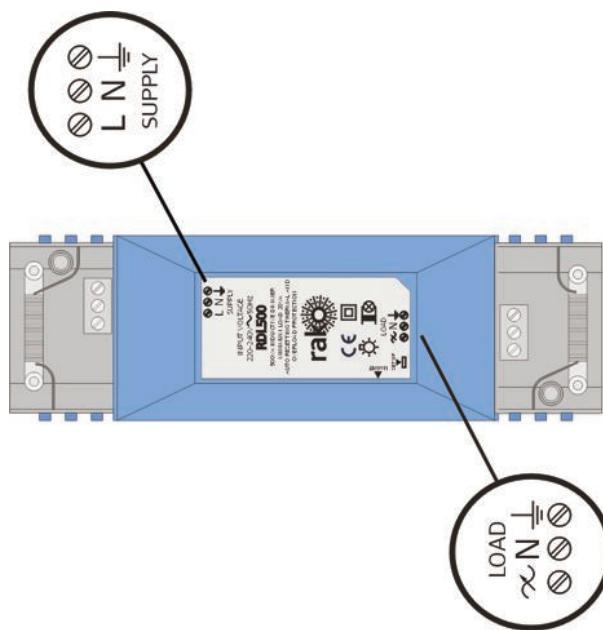
### TECHNICAL DATA

<b>DIMENSIONS</b>	160x50x36mm
<b>INPUT SUPPLY</b>	230V AC +/-10% 50Hz
<b>WEIGHT</b>	125g
<b>HOUSING</b>	UL V0 material
<b>CLIMATE RANGE</b>	Temperature +2C to +40C Humidity +5% to 95% non condensing
<b>CONNECTIONS</b>	3 way screw terminals for mains power
<b>PROTECTION</b>	Auto resetting over current protection Auto thermal shutdown Voltage surge protection
<b>LOAD TYPES</b>	Incandescent mains voltage lamps Tungsten halogen GU10 lamps Leading edge dimmable LV transformers Leading edge dimmable cold cathode
<b>MINIMUM LOAD</b>	20w
<b>MAXIMUM LOAD</b>	500w/450va
<b>TERMINAL SIZES</b>	1.5mm <sup>2</sup> - Stranded 2.5mm <sup>2</sup> - Solid
<b>STANDARDS</b>	EMC - EN 5001-1 :1992 Immunity - EN 50082-1 :1997
<b>COMMUNICATION</b>	Rakom coded fm radio, 433.9MHz
<b>MEMORY</b>	Flash memory (non volatile)

### MECHANICAL DATA



### CONNECTION DETAILS



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