

Features

The RSLM-30A LED driver is designed to generate one constant current output from an AC input, and work with industry standard lighting controls in dimming applications.

- Input Voltage 220-240VAC
- Constant output current 700mA
- Phase dimmable
- Compact Encapsulated Assembly
- Active Power Factor Correction
- Output Short-Circuit and Open-Circuit protection
- Temperature Operation up to 90°C Top Case
- ENEC Approved, CE Mark
- Independent SELV Controlgear
- RoHS Compliant (directive 2011/65/EU)
- 3 Years Warranty



Applications and Benefits

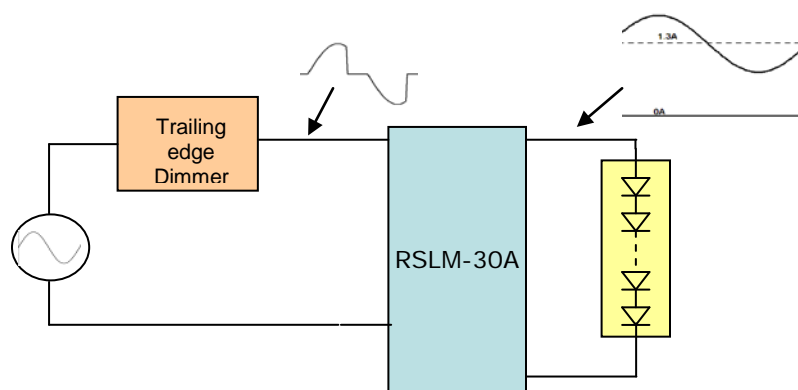
RSLM-30A is designed for powering LED luminaires. The modules operate with:

- Standard Light Switches
- Electronic Low Voltage Dimmers (Reverse Phase – trailing edge)

RSLM-30A is ideal for installations requiring dimmable outputs such as:


- General Indoor Lighting
- Commercial Lighting
- Residential Lighting

The following diagram depicts a typical installation utilizing the RSLM-30A:



- Dimming range down to 0% output current
- Output current does not terminate during off time of dimmer
- Multiple Drivers / LED Assemblies may be connected to a single dimmer

Input and Output Specification

Input Voltage:	220-240 VAC: 211 - 264 VAC 47-63 Hz Frequency Range	Output Voltage:	from 15 to 42 VDC
Efficiency:	80% Typical @ >230VAC, Full load	No Load max output Voltage:	48VDC
Insulation:	 Class II (Reinforced/Double Insulation)	Output Current:	700mA
Input Power Factor:	>0.9 typical	Ripple Current:	<40% (P-P) of maximum Output Current with no dimming
THD:	<20% typical	Dimming:	Output dimming is possible via trailing edge dimmers*.
Lifetime:	>20khrs @ 50°C Ambient	Output Regulation:	±7% of output Current
MTBF:	>70khrs @ 50°C Ambient MIL217- HDBK 217	Output Protection:	Short-Circuit and Open-Circuit protection
		Output Control:	Output Dims without any flicker.
		Total dimming range is as follows:	
		Conduction Angle / output:	180 degrees / 100% max 30 degrees / 10% min

* Refer to the following list for RSLM-30A Trailing Edge tested interfaces:
WUYUN (W13-G162), HYTRONIK(HD1260)

Performance Requirements: Meets the requirements of IEC 62384: control gear for LED modules

EMC Compliance

Conducted & Radiated Emission	EN55015, Class B
Harmonic Current Emissions	EN61000-3-2, Class C
Voltage Changes, Fluctuation and Flicker	EN61000-3-3
ESD (Electrostatic Discharge)	EN61000-4-2, (Contact ±4kV; Air ±8kV)
Radiated Radio-Frequency electromagnetic field	EN61000-4-3, Level 3
Surge Immunity test	EN61000-4-5, Class 3, ± 1kV (L-N), ± 2kV (L-GND)
Conducted disturbances induced by Radio-Frequency fields	EN61000-4-6, Level 3
Voltage Dips, short interruptions and Voltage Variations	EN61000-4-11, Class 3

Eu and RoW


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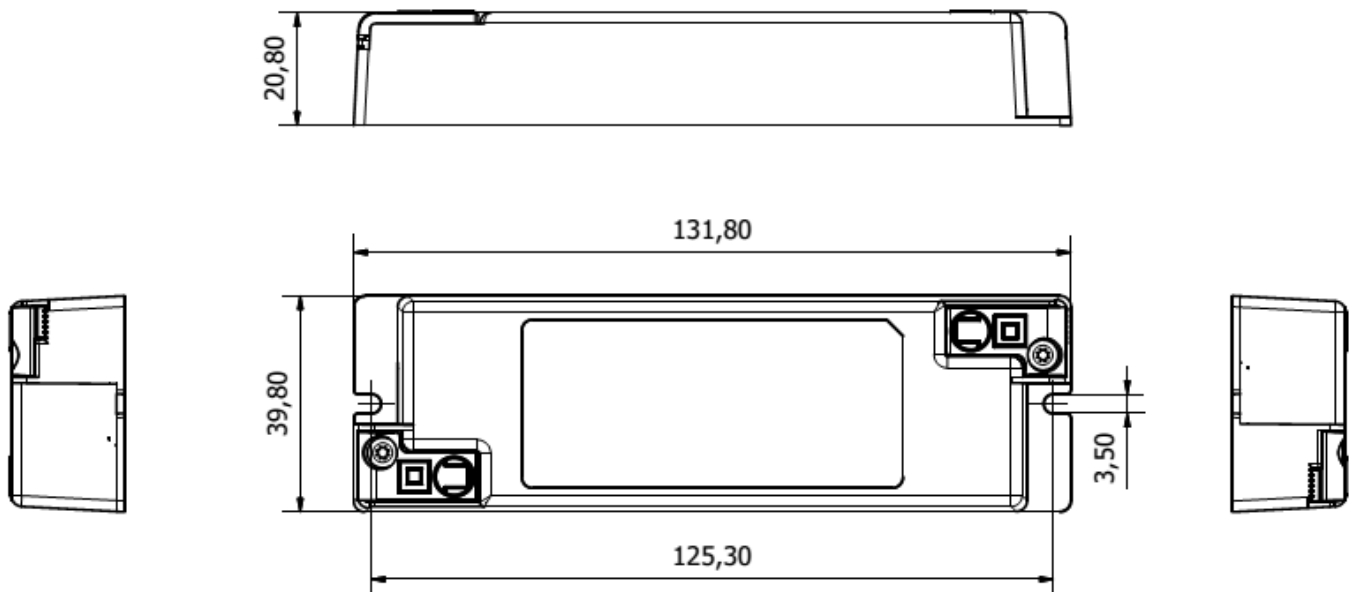
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Mechanical Details

Packaging Options:	Plastic body enclosure
I/O Connections:	2-pin Push in connectors (Input and Output Side)
Mounting Details:	2 Fixing holes for screws
Ingress Protection:	IP20 Rated
Independent SELV Controlgear when caps are mounted	

Outline Drawing

Max Dimension: 132mm x 40mm x 21mm
Strip wire to 8-9mm; Φ 0.4-0.75mm



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Environmental

Operating Temperature:	-20°C to 90°C Top Case temp without derating
Ambient Temperature:	-20°C to +50°C without derating
Operating Relative Humidity:	5% to 95%, non-condensing
Storage Temperature:	-40°C to +70°C Ambient
Cooling:	Convection cooled

Safety Agency Approvals

IEC/EN61347-1 Lamp Control gear general and Safety requirements
IEC/EN61347-2-13 electronic control gear for LED Modules
IEC/EN 62384 DC or AC supplied electronic control gear for LED modules – Performance Requirements
ENEC and CE Mark



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