

Driver LCAI 35W 350mA–900mA ECO SR

ECO series

The TALEXdriver ECO SR series (strain relief) features advanced cable strain relief, enabling complete through-wiring functionality for mains and control cables as well as rapid, tool-free installation for electricians during the mounting process. Wattages of 10 to 100 W with a settable current range of 150 to 1750mA enables selection of the ideal LED Driver for downlight and spotlight luminaires. Use of the ECO SR series enables the operation of luminaires with optimum performance and maximum efficiency.

**Product description**

- _ Independent dimmable LED Driver
- _ Constant current LED Driver
- _ Output current adjustable between 350 – 900 mA
- _ Max. output power 35 W
- _ Nominal life-time up to 100,000 h
- _ 5-year guarantee
- _ Dimming range 1 to 100 %

Properties

- _ Casing: polycarbonate, white
- _ Rapid installation of cable clamp and terminal cover, no tool required
- _ Large connection compartment
- _ Type of protection IP20
- _ Accessory LCF 12V FAN DRIVER fits into the secondary wiring area of the LED Driver

Interfaces

- _ DALI Device Type 6
- _ DSI
- _ switchDIM (with memory function)
- _ corridorFUNCTION
- _ Input temperature sensor for LED control

Functions

- _ Adjustable output current (I-select resistor or DALI)
- _ Power-up fading at AC
- _ Intelligent Temperature Guard (overtemperature protection)
- _ Short-circuit protection
- _ Overload protection
- _ Constant light output function
- _ Suitable for emergency escape lighting systems acc. to EN 50172

Website

<http://www.tridonic.com/28000125>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative



High bay

Specific technical data

Type	Output current ^①	Min. forward voltage	Max. forward voltage ^②	Max. output power ^③	Typ. power consumption on (at 230 V, 50 Hz, full load)	Typ. current consumption on (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 35W 350mA-900mA ECO SR	350 mA	40 V	90.0 V	31.5 W	35.0 W	152 mA	70 °C	-25 ... +60 °C	-
LCAI 35W 350mA-900mA ECO SR	375 mA	40 V	90.0 V	33.8 W	37.6 W	163 mA	70 °C	-25 ... +60 °C	71.50 kΩ
LCAI 35W 350mA-900mA ECO SR	400 mA	39 V	88.0 V	35.0 W	37.9 W	165 mA	70 °C	-25 ... +60 °C	66.50 kΩ
LCAI 35W 350mA-900mA ECO SR	425 mA	37 V	82.5 V	35.0 W	38.2 W	167 mA	70 °C	-25 ... +60 °C	61.90 kΩ
LCAI 35W 350mA-900mA ECO SR	450 mA	35 V	78.0 V	35.0 W	38.6 W	169 mA	70 °C	-25 ... +60 °C	57.60 kΩ
LCAI 35W 350mA-900mA ECO SR	475 mA	33 V	74.0 V	35.0 W	38.9 W	170 mA	70 °C	-25 ... +60 °C	53.60 kΩ
LCAI 35W 350mA-900mA ECO SR	500 mA	31 V	70.5 V	35.0 W	39.2 W	172 mA	70 °C	-25 ... +60 °C	49.90 kΩ
LCAI 35W 350mA-900mA ECO SR	525 mA	30 V	67.0 V	35.0 W	39.3 W	173 mA	70 °C	-25 ... +60 °C	45.30 kΩ
LCAI 35W 350mA-900mA ECO SR	550 mA	28 V	64.0 V	35.0 W	39.4 W	173 mA	70 °C	-25 ... +60 °C	42.20 kΩ
LCAI 35W 350mA-900mA ECO SR	575 mA	27 V	61.0 V	35.0 W	39.4 W	174 mA	70 °C	-25 ... +60 °C	38.30 kΩ
LCAI 35W 350mA-900mA ECO SR	600 mA	26 V	58.5 V	35.0 W	39.5 W	175 mA	75 °C	-25 ... +60 °C	35.70 kΩ
LCAI 35W 350mA-900mA ECO SR	625 mA	25 V	56.5 V	35.0 W	39.6 W	175 mA	75 °C	-25 ... +60 °C	32.40 kΩ
LCAI 35W 350mA-900mA ECO SR	650 mA	24 V	54.0 V	35.0 W	39.7 W	176 mA	75 °C	-25 ... +60 °C	28.70 kΩ
LCAI 35W 350mA-900mA ECO SR	675 mA	23 V	52.0 V	35.0 W	39.7 W	176 mA	75 °C	-25 ... +60 °C	26.10 kΩ
LCAI 35W 350mA-900mA ECO SR	700 mA	22 V	50.5 V	35.0 W	39.8 W	177 mA	75 °C	-25 ... +60 °C	22.00 kΩ
LCAI 35W 350mA-900mA ECO SR	725 mA	21 V	48.5 V	35.0 W	39.9 W	178 mA	75 °C	-25 ... +60 °C	17.40 kΩ
LCAI 35W 350mA-900mA ECO SR	750 mA	21 V	47.0 V	35.0 W	40.0 W	179 mA	75 °C	-25 ... +60 °C	15.00 kΩ
LCAI 35W 350mA-900mA ECO SR	775 mA	20 V	45.5 V	35.0 W	40.1 W	180 mA	75 °C	-25 ... +60 °C	12.40 kΩ
LCAI 35W 350mA-900mA ECO SR	800 mA	19 V	44.0 V	35.0 W	40.3 W	181 mA	75 °C	-25 ... +60 °C	10.00 kΩ
LCAI 35W 350mA-900mA ECO SR	825 mA	19 V	42.5 V	35.0 W	40.4 W	182 mA	75 °C	-25 ... +60 °C	7.68 kΩ
LCAI 35W 350mA-900mA ECO SR	850 mA	18 V	41.5 V	35.0 W	40.5 W	183 mA	75 °C	-25 ... +60 °C	5.36 kΩ
LCAI 35W 350mA-900mA ECO SR	875 mA	17 V	40.5 V	35.0 W	40.6 W	184 mA	75 °C	-25 ... +60 °C	3.16 kΩ
LCAI 35W 350mA-900mA ECO SR	900 mA	17 V	39.0 V	35.0 W	40.7 W	185 mA	75 °C	-25 ... +60 °C	0.00 kΩ

① Valid at 100 % dimming level.

② Depending on the selected output current.

③ Depending on the DALI traffic at the interface.

④ At power failure.

⑤ Output current is mean value.

⑥ ± 20 %.

⑦ At full load.