

TALEXdriver LCAI 35W 900mA–1750mA 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 900 – 1,750 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/28000127>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



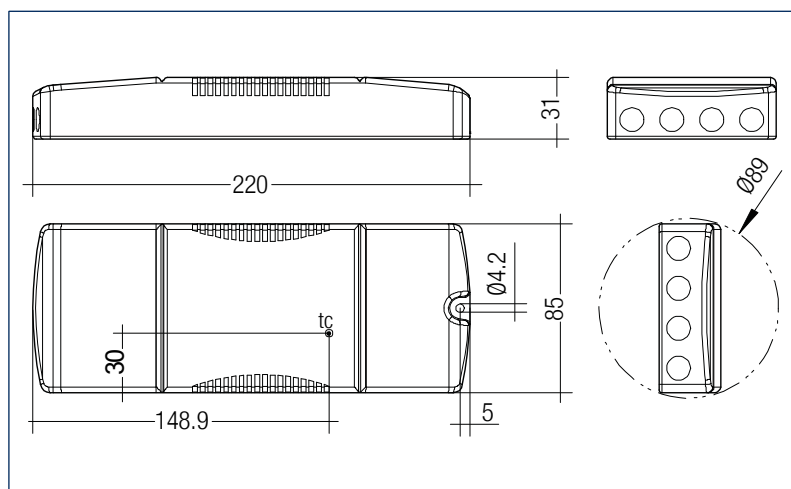
Decorative



High bay

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Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 35W 900mA–1750mA ECO SR	28000127	10 pc(s).	400 pc(s).	0.272 kg

Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ^{①②}	173 – 184 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ^②	32 – 37 mA
Leakage current (PE)	< 0.3 mA
Max. input power	42 W
Typ. efficiency (at 230 V, 50 Hz, full load) ^②	85 – 88 %
λ (at 230 V, 50 Hz, full load) ^①	≥ 0.98
Typ. power input on stand-by ^③	70 – 100 mW
THD (at 230 V, 50 Hz, full load)	< 5 %
Time to light (at 230 V, 50 Hz, full load, acc. to DALI)	< 0.6 s
Time to light (DC mode)	< 0.2 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Hold on time (at 230 V, 50 Hz, full load) ^④	< 14 ms
Output current tolerance ^①	$\pm 3 \%$
Output LF current ripple (< 300 Hz)	< 2 %
Max. peak output current	$\leq$ output current + 18 %
PWM frequency ^⑤	500 Hz
Dimming range	1 – 100 %
Max. output voltage	60 V
Burst / surge peaks output side against PE	1.2 kV
Dimensions L x W x H	220 x 85 x 31 mm

Approval marks

IP20 SELV         

Standards

EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61347-1, EN 61347-2-13, EN 62384, EN 61547, EN 62386-101, EN 62386-102, EN 62386-207

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage ^①	Max. output power ^②	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	t _c point max.	Ambient temperature t _a	I-select resistor value
LCAI 35W 900mA–1750mA ECO SR	900 mA	17 V	39.0 V	35 W	39.9 W	173 mA	70 °C	-25 ... +60 °C	–
LCAI 35W 900mA–1750mA ECO SR	950 mA	16 V	37.0 V	35 W	40.0 W	174 mA	70 °C	-25 ... +60 °C	69.80 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,000 mA	15 V	35.0 V	35 W	40.1 W	174 mA	70 °C	-25 ... +60 °C	64.90 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,050 mA	14 V	33.5 V	35 W	40.2 W	175 mA	70 °C	-25 ... +60 °C	56.00 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,100 mA	14 V	32.0 V	35 W	40.3 W	175 mA	70 °C	-25 ... +60 °C	47.50 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,150 mA	13 V	30.5 V	35 W	40.3 W	175 mA	70 °C	-25 ... +60 °C	43.20 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,200 mA	12 V	29.5 V	35 W	40.4 W	175 mA	70 °C	-25 ... +60 °C	40.20 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,250 mA	12 V	28.0 V	35 W	40.4 W	176 mA	70 °C	-25 ... +60 °C	36.50 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,300 mA	12 V	27.0 V	35 W	40.5 W	176 mA	70 °C	-25 ... +60 °C	32.40 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,350 mA	11 V	26.0 V	35 W	40.5 W	176 mA	70 °C	-25 ... +60 °C	28.70 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,400 mA	11 V	25.0 V	35 W	40.6 W	176 mA	75 °C	-25 ... +60 °C	22.00 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,450 mA	10 V	24.5 V	35 W	40.6 W	177 mA	75 °C	-25 ... +60 °C	17.80 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,500 mA	10 V	23.5 V	35 W	40.7 W	177 mA	75 °C	-25 ... +60 °C	15.00 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,550 mA	10 V	23.0 V	35 W	40.8 W	177 mA	75 °C	-25 ... +60 °C	12.10 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,600 mA	9 V	22.0 V	35 W	40.9 W	178 mA	75 °C	-25 ... +60 °C	9.31 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,650 mA	9 V	21.5 V	35 W	41.0 W	178 mA	75 °C	-25 ... +60 °C	6.49 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,700 mA	9 V	21.0 V	35 W	41.1 W	179 mA	80 °C	-25 ... +60 °C	3.83 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,750 mA	9 V	20.0 V	35 W	41.2 W	179 mA	80 °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 ± 20 %.

⑥ At full load.

The complete data sheet for this product is available in the Downloads section.