

**Driver LCA 60W 350–1050mA one4all C PRE OTD**

PREMIUM outdoor series

**Product description**

- \_ Dimmable built-in constant current LED Driver
- \_ Output current adjustable between 350 – 1,050 mA via ready2mains Programmer, I-select 2 plugs or DALI
- \_ Max. output power 60 W
- \_ Power input on stand-by < 0.16 W
- \_ Dimming range 10 to 100 %
- \_ Nominal life-time up to 100,000 h
- \_ 5-year guarantee

**Housing properties**

- \_ Compact plastic casing
- \_ Type of protection IP20

**Interfaces**

- \_ one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION V2)
- \_ ready2mains (configuration and dimming via mains)
- \_ U6Me2 (configuration of chronoSTEP 2 via mains)
- \_ Terminal blocks: 45° / 0° push terminals

**Functions**

- \_ Adjustable output current (DALI, ready2mains, I-select 2)
- \_ Programmable chronoSTEP: times and levels (DALI, U6Me2, ready2mains)
- \_ Constant light output function (CLO)
- \_ Configurable via ready2mains
- \_ Low-temperature start feature (-40 to +70 °C temperature range)
- \_ Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- \_ Suitable for emergency escape lighting systems acc. to EN 50172

**Benefits**

- \_ Application-oriented operating window for maximum compatibility
- \_ Best energy savings due to low stand-by losses and high efficiency
- \_ Reliability proven by life-time up to 100,000 h and 5-year guarantee
- \_ Flexible configuration via DALI, ready2mains, U6Me2 and I-select 2
- \_ In-field programming possible after installation
- \_ High overvoltage protection: up to 10 kV asymmetric (protection class I and II)

**Typical applications**

- \_ Road, street and industry
- \_ For luminaires of protection class I and protection class II

**Website**

<http://www.tridonic.com/28001071>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

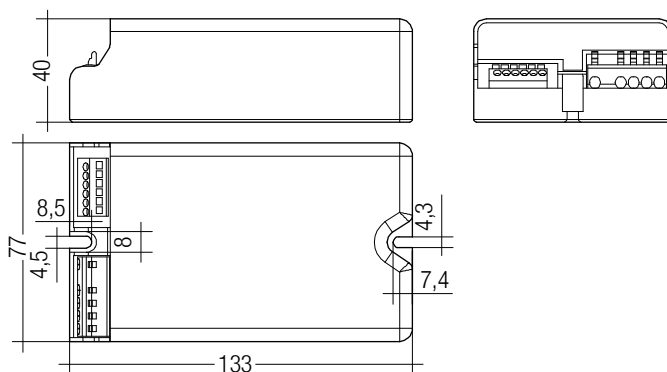


High bay

## Driver LCA 60W 350–1050mA one4all C PRE OTD

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



## Ordering data

Type	Article number <sup>②</sup>	Packaging, carton	Packaging, pallet	Packaging, high volume	Weight per pc.
LCA 60W 350-1050mA one4all C PRE OTD	28001071	10 pc(s).	390 pc(s).	–	0.545 kg

## Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	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) <sup>①②</sup>	155 – 289 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) <sup>②</sup>	51 – 63 mA
Leakage current (at 230 V, 50 Hz, full load) <sup>①②</sup>	< 300 A
Max. input power	66 W
Typ. efficiency (at 230 V, 50 Hz, full load) <sup>②</sup>	93 %
$\lambda$ (at 230 V, 50 Hz, full load) <sup>①</sup>	0.99
Typ. power input on stand-by <sup>③</sup>	< 0.16 W
In-rush current (peak / duration)	32 A / 267 s
THD (at 230 V, 50 Hz, full load) <sup>①</sup>	< 7 %
Time to light (at 230 V, 50 Hz, full load) <sup>①</sup>	< 300 ms
Time to light (DC mode)	< 300 ms
Switchover time (AC/DC)	< 150 ms
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance <sup>①④</sup>	± 2 %
Max. output current peak (non-repetitive)	± output current + 40 %
Output LF current ripple (< 120 Hz)	± 5 %
Max. output voltage	120 V
Dimming range	10 – 100 %
Mains surge capability (between L - N) <sup>⑤</sup>	6 kV / 3,000 A
Mains surge capability (between L/N - PE)	6 kV
Mains surge capability up to (between L/N - PE) without DALI connection	10 kV
Burst protection <sup>⑥</sup>	6 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	133 x 77 x 40 mm

## Approval marks



## Standards

EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61000-4-4, EN 61000-4-5, EN 61347-1, EN 61347-2-13, EN 62384, EN 61547, EN 62386-101, EN 62386-102, EN 62386-207, Acc. to EN 50172, Acc. to EN 60598-2-22

## Specific technical data

Type	Output current <sup>①</sup>	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature $t_a$	I-select 2 resistor value <sup>⑧</sup>
LCA 60W 350-1050mA one4all C PRE OTD	350 mA	30 V	85 V	29.8 W	35.0 W	155 mA	80 °C	-40 ... +70 °C	-
LCA 60W 350-1050mA one4all C PRE OTD	400 mA	30 V	85 V	34.0 W	39.3 W	174 mA	80 °C	-40 ... +70 °C	12.50 kΩ
LCA 60W 350-1050mA one4all C PRE OTD	450 mA	30 V	85 V	38.3 W	43.6 W	192 mA	80 °C	-40 ... +70 °C	11.11 kΩ
LCA 60W 350-1050mA one4all C PRE OTD	500 mA	30 V	85 V	42.5 W	47.9 W	211 mA	80 °C	-40 ... +70 °C	10.00 kΩ
LCA 60W 350-1050mA one4all C PRE OTD	550 mA	30 V	85 V	46.8 W	52.3 W	230 mA	85 °C	-40 ... +70 °C	9.09 kΩ
LCA 60W 350-1050mA one4all C PRE OTD	600 mA	30 V	85 V	51.0 W	56.7 W	249 mA	85 °C	-40 ... +70 °C	8.33 kΩ
LCA 60W 350-1050mA one4all C PRE OTD	650 mA	30 V	85 V	55.3 W	61.1 W	267 mA	85 °C	-40 ... +70 °C	7.69 kΩ
LCA 60W 350-1050mA one4all C PRE OTD	700 mA	30 V	85 V	59.5 W	65.7 W	288 mA	85 °C	-40 ... +70 °C	7.14 kΩ
LCA 60W 350-1050mA one4all C PRE OTD	750 mA	30 V	80 V	60.0 W	66.0 W	289 mA	85 °C	-40 ... +70 °C	6.67 kΩ
LCA 60W 350-1050mA one4all C PRE OTD	800 mA	30 V	75 V	60.0 W	65.9 W	288 mA	85 °C	-40 ... +70 °C	6.25 kΩ
LCA 60W 350-1050mA one4all C PRE OTD	850 mA	30 V	71 V	60.0 W	66.0 W	289 mA	85 °C	-40 ... +70 °C	5.88 kΩ
LCA 60W 350-1050mA one4all C PRE OTD	900 mA	30 V	67 V	60.0 W	65.7 W	288 mA	80 °C	-40 ... +70 °C	5.56 kΩ
LCA 60W 350-1050mA one4all C PRE OTD	950 mA	30 V	63 V	60.0 W	65.6 W	287 mA	80 °C	-40 ... +70 °C	5.26 kΩ
LCA 60W 350-1050mA one4all C PRE OTD	1,000 mA	30 V	60 V	60.0 W	65.8 W	288 mA	80 °C	-40 ... +70 °C	5.00 kΩ
LCA 60W 350-1050mA one4all C PRE OTD	1,050 mA	30 V	57 V	60.0 W	66.0 W	289 mA	80 °C	-40 ... +70 °C	4.76 kΩ

① Valid at 100 % dimming level.

② Depending on the selected output current.

③ Depending on the DALI traffic at the interface.

④ Output current is mean value.

⑤ L-N acc. to EN 61000-4-5. 2 Ohm, 1,2/50 s, 8/20 s.

⑥ Also applies to corridorFUNCTION.

⑦ Article number 28001071: Made in Europe, article number 87500663: Made in China.

⑧ Not compatible with I-select (generation 1).