

Driver LCO 50W 700/1050/1250/1400/2100mA 0-10V C ADV UNV
OUTDOOR advanced series

**Product description**

- _ Constant current LED driver
- _ Only for US applications
- _ Dimmable via 0 ... 10 V interface
- _ Dimming range 10 to 100 %
- _ Class 2 power supply (not the 700 mA version)
- _ FCC Part 15
- _ Type HL rated for hazardous location
- _ Dry and damp location
- _ Max. output power 50 W
- _ Up to 86 % efficiency
- _ Nominal lifetime up to 100,000 h
- _ 5 years guarantee (conditions at www.tridonic.com)

Housing properties

- _ Casing: polycarbonate, black
- _ Potted style
- _ Type of protection IP66

Functions

- _ Over voltage protection
- _ Short-circuit protection
- _ No-load protection

Typical applications

- _ For wall pack and outdoor general illumination

Website

<http://www.tridonic.us/28002151>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



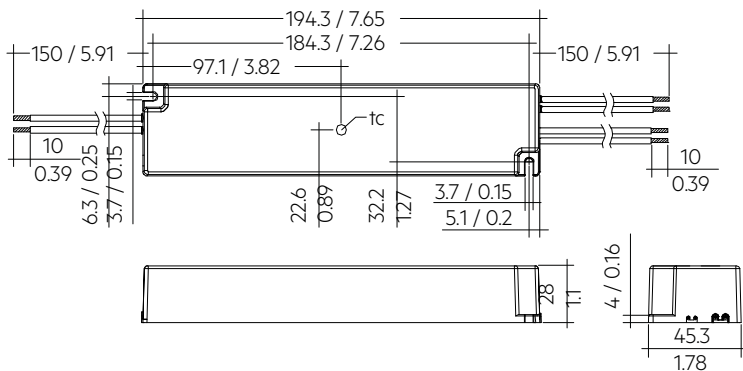
Street



Decorative

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



Dimensions in mm / inch

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCO 50/1250/42 0-10V C ADV UNV	28002151	25 pc(s).	800 pc(s).	0.95 lbs

Technical data

Rated supply voltage	100 – 277 V
AC voltage range	90 – 305 V
Mains frequency	50 / 60 Hz
Leakage current (at 120 V, 60 Hz, full load)	< 300 µA
Leakage current (at 277 V, 60 Hz, full load)	< 700 µA
Max. input power (at 120 V, 60 Hz, full load)	61.5 W
Max. input power (at 277 V, 60 Hz, full load)	61.5 W
λ (at 120 V, 60 Hz, full load)	0.98
λ (at 277 V, 60 Hz, full load)	0.93C
Typ. input current in no-load operation (at 120 V, 60 Hz)	20 mA
Typ. input current in no-load operation (at 277 V, 60 Hz)	30 mA
Typ. input power in no-load operation (at 120 V, 60 Hz)	1.5 W
Typ. input power in no-load operation (at 277 V, 60 Hz)	2.5 W
In-rush current (peak / duration at 120 V)	35 A / 3 µs
In-rush current (peak / duration at 277 V)	70 A / 3 µs
THD (at 120 V, 60 Hz, full load)	< 6 %
THD (at 277 V, 60 Hz, full load)	< 11 %
Starting time (full load)	≤ 500 ms
Turn off time at full load	< 200 ms
Output current tolerance	± 5 %
Max. output current peak (non-repetitive)	≤ output current + 25 %
Output LF current ripple (< 120 Hz)	< 17 %
Dimming range	10 – 100 %
Mains surge capability (between L - N)	2 kV
Type of protection	IP66
Lifetime	up to 100,000 h
Guarantee (conditions at www.tridonic.com)	5 Year(s)
Dimensions L x W x H	7.65 x 1.78 x 1.1 inch

Approval marks



Standards

UL 8750, UL 1310, FCC PART 15, ANSI C62.41, ANSI C63.4, UL 1012, NEMA 4, CSA C22.2

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage	Max. output voltage (U-OUT)	Max. output power (at 120 V, 60 Hz, full load)	Typ. power consumption (at 120 V, 60 Hz, full load)	Typ. current consumption (at 120 V, 60 Hz, full load)	Typ. efficiency (at 120 V, 60 Hz, full load)	Max. output power (at 277 V, 60 Hz, full load)	Typ. power consumption (at 277 V, 60 Hz, full load)	Typ. current consumption (at 277 V, 60 Hz, full load)	Typ. efficiency (at 277 V, 60 Hz, full load)	t _c	Ambient temperature t _a
LCO 50/1250/42 0-10V C ADV UNV	1,250 mA	21 V	42 V	50 V	52.5 W	60.6 W	510 mA	86.0 %	52.5 W	60.8 W	230 mA	86 %	176 °F	-22 ... +140 °F