

**Driver LCO 96W 700/1050/1400/2000/2670mA 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 %
- \_ UL Listed Class P
- \_ FCC Part 15
- \_ Dry and damp location
- \_ Max. output power 96 W
- \_ Up to 92 % efficiency
- \_ Nominal lifetime up to 100,000 h
- \_ 5 years guarantee (conditions at [www.tridonic.com](http://www.tridonic.com))

**Housing properties**

- \_ Metal casing black
- \_ Potted style
- \_ Type of protection IP67

**Functions**

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

**Typical applications**

- \_ For cobra head, high bay and street applications

**Website**

<http://www.tridonic.us/28002163>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



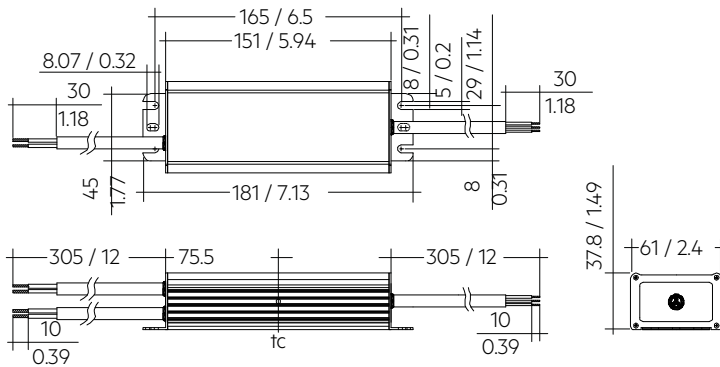
Street



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 96/2000/48 0-10V C ADV UNV	28002163	10 pc(s).	420 pc(s).	1.59 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)	< 400 µA
Leakage current (at 277 V, 60 Hz, full load)	< 750 µA
Max. input power (at 120 V, 60 Hz, full load)	108.5 W
Max. input power (at 277 V, 60 Hz, full load)	107.5 W
λ (at 120 V, 60 Hz, full load)	0.97
λ (at 277 V, 60 Hz, full load)	0.95
Typ. input current in no-load operation (at 120 V, 60 Hz)	40 mA
Typ. input current in no-load operation (at 277 V, 60 Hz)	60 mA
Typ. input power in no-load operation (at 120 V, 60 Hz)	4 W
Typ. input power in no-load operation (at 277 V, 60 Hz)	3.5 W
In-rush current (peak / duration at 120 V)	50 A / 5 µs
In-rush current (peak / duration at 277 V)	90 A / 5 µs
THD (at 120 V, 60 Hz, full load)	< 8 %
THD (at 277 V, 60 Hz, full load)	< 14 %
Starting time (full load)	≤ 1,000 ms
Turn off time at full load	< 500 ms
Output current tolerance	± 5 %
Max. output current peak (non-repetitive)	≤ output current + 35 %
Output LF current ripple (< 120 Hz)	< 5 %
Dimming range	10 – 100 %
Mains surge capability (between L - N)	2 kV
Mains surge capability (between L/N - PE)	4 kV
Type of protection	IP67
Lifetime	up to 100,000 h
Guarantee (conditions at www.tridonic.com)	5 Year(s)
Dimensions L x W x H	7.13 x 2.4 x 1.49 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 <sub>c</sub>	Ambient temperature t <sub>a</sub>
<b>LCO 96/2000/48 0-10V C ADV UNV</b>	2,000 mA	16 V	48 V	60 V	96.0 W	108 W	900 mA	89.0 %	96.0 W	105.5 W	390 mA	90.5 %	167 °F	-22 ... +140 °F