

Driver LCO 75W 350/700/1050/1560/1790/2080mA 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 75 W
- _ Up to 92 % efficiency
- _ Nominal lifetime up to 100,000 h
- _ 5 years guarantee (conditions at 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/28002156>


Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street

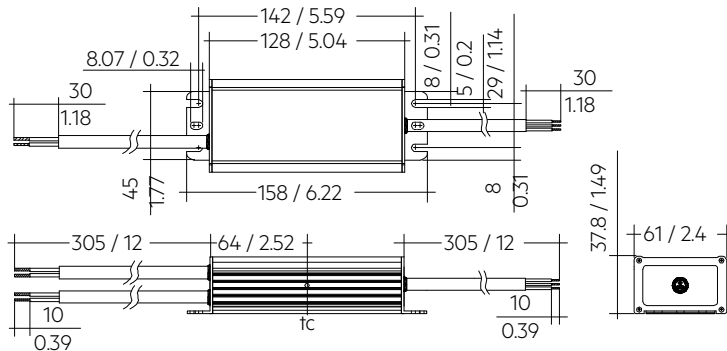


Decorative

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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 75/1050/72 0-10V C ADV UNV | 28002156 | 10 pc(s). | 420 pc(s). | 1.37 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) | 85.5 W |
| Max. input power (at 277 V, 60 Hz, full load) | 84 W |
| λ (at 120 V, 60 Hz, full load) | 0.97 |
| λ (at 277 V, 60 Hz, full load) | 0.94C |
| 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) | < 4.66 W |
| Typ. input power in no-load operation (at 277 V, 60 Hz) | < 5.36 W |
| In-rush current (peak / duration at 120 V) | 40 A / 3 µs |
| In-rush current (peak / duration at 277 V) | 95 A / 3 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 | < 200 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 | 6.22 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 _c | Ambient temperature t _a |
|---------------------------------------|----------------|----------------------|----------------------|-----------------------------|------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------|----------------------------------------------|------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------|----------------------------------------------|----------------|------------------------------------|
| LCO 75/1050/72 0-10V C ADV UNV | 1,050 mA | 22 V | 72 V | 80 V | 75.6 W | 84.4 W | 700 mA | 89.5 % | 75.7 W | 82.9 W | 310 mA | 91.0 % | 167 °F | -22 ... +140 °F |