

**Driver LCO 20W 350/500/700mA pc C ADV UNV**

OUTDOOR advanced series



**Product description**

- \_ Constant current LED driver
- \_ Only for US applications
- \_ Dimmable via leading edge and trailing edge phase dimmers
- \_ Dimming range 10 to 100 %
- \_ Class 2 power supply
- \_ FCC Part 15
- \_ Dry and damp location
- \_ Max. output power 20 W
- \_ Up to 86 % efficiency
- \_ 5 years guarantee (conditions at [www.tridonic.com](http://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 lantern, landscape, decorative

**Website**

<http://www.tridonic.us/28002251>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street

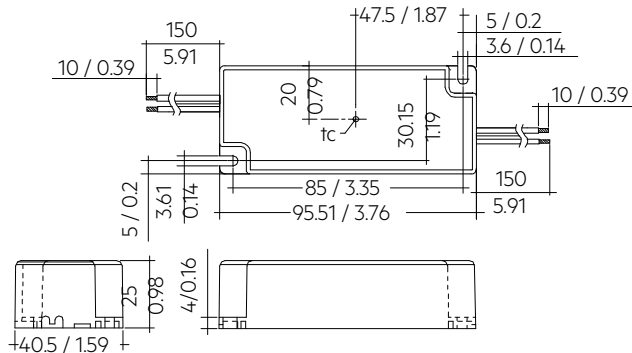


Decorative

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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 20/700/28 pc C ADV UNV	28002251	50 pc(s).	2,000 pc(s).	0.33 lbs

**Technical data**

Rated supply voltage	120 V
AC voltage range	108 - 132 V
Mains frequency	50 / 60 Hz
Leakage current (at 120 V, 60 Hz, full load)	< 300 $\mu$ A
Max. input power (at 120 V, 60 Hz, full load)	23.5 W
$\lambda$ (at 120 V, 60 Hz, full load)	0.98
Typ. input current in no-load operation (at 120 V, 60 Hz)	10 mA
Typ. input power in no-load operation (at 120 V, 60 Hz)	0.85 W
In-rush current (peak / duration at 120 V)	3 A / 1 $\mu$ s
THD (at 120 V, 60 Hz, full load)	< 15 %
Starting time (full load)	$\leq$ 1,000 ms
Turn off time at full load	< 1,000 ms
Output current tolerance	$\pm$ 5 %
Max. output current peak (non-repetitive)	$\leq$ output current + 25 %
Output LF current ripple (< 120 Hz)	< 20 %
Dimming range	10 - 100 %
Mains surge capability (between L - N)	2 kV
Type of protection	IP66
Lifetime	up to 100,000 h
Guarantee	5 Year(s)
Dimensions L x W x H	3.76 x 1.59 x 0.98 inch

**Approval marks****Standards**

UL 8750, UL 1310, FCC PART 15, ANSI C62.41, ANSI C63.4, 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)	t <sub>c</sub>	Ambient temperature t <sub>a</sub>
LCO 20/700/28 pc C ADV UNV	700 mA	17 V	28 V	33 V	19.7 W	22.9 W	190 mA	84 %	167 °F	-22 ... +140 °F