

Driver LC 60W 24V 0-10V Ip SNC UNV

Constant voltage essence series

**Product description**

- _ Constant voltage LED driver
- _ Universal input voltage range
- _ Class 2
- _ Type HL
- _ UL Listed Class P
- _ FCC Part 15
- _ Max. output power 60 W
- _ Nominal lifetime up to 50,000 h (at ta 113 °F)
- _ 5 years guarantee (conditions at <https://www.tridonic.com/manufacture-guarantee-conditions>)

Housing properties

- _ Casing: metal, white
- _ Dry and damp location

Interfaces

- _ Dimmable via 0 ... 10 V interface
- _ Single wires with tinned wire ends

Functions

- _ Overtemperature protection
- _ Overload protection
- _ Short-circuit protection
- _ No-load protection

Website
<http://www.tridonic.us/28003002>


Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street

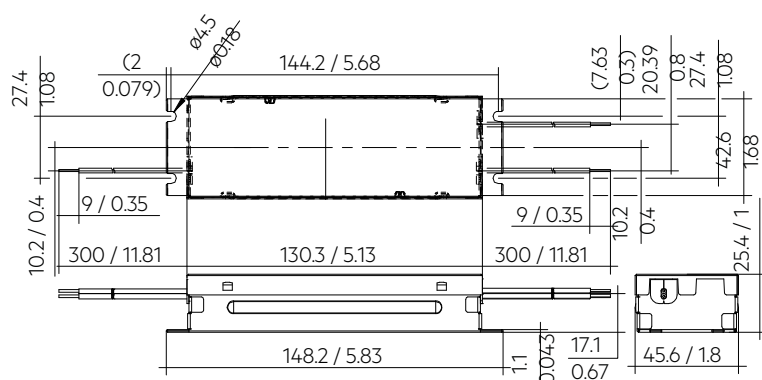


Decorative

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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.
LC 60/24V 0-10V Ip SNC UNV	28003002	20 pc(s).	1,440 pc(s).	0.74 lbs

Technical data

Rated supply voltage	120 – 277 V
AC voltage range	108 – 305 V
Rated current (at 120 V, 60 Hz, full load)	0.6 A
Rated current (at 277 V, 60 Hz, full load)	0.3 A
Leakage current (at 120 V, 60 Hz, full load)	< 500 µA
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
Mains frequency	50 / 60 Hz
Efficiency (at 120 V 60 Hz, full load)	> 88 %
Efficiency (at 277 V 60 Hz, full load)	> 90.5 %
λ (at 120 V, 60 Hz, full load)	0.98
λ (at 277 V, 60 Hz, full load)	0.95
Typ. power consumption on stand-by (at 120 V, 60 Hz)	< 0.4 W
Typ. power consumption on stand-by (at 277 V, 60 Hz)	< 0.4 W
Typ. input current in no-load operation (at 120 V, 60 Hz)	23 mA
Typ. input current in no-load operation (at 277 V, 60 Hz)	37 mA
Typ. input power in no-load operation (at 120 V, 60 Hz)	0.52 W
Typ. input power in no-load operation (at 277 V, 60 Hz)	0.52 W
Output voltage tolerance	22.8 – 25.2 V
Max. output power	60 W
Output power range	0 – 60 W
Output LF voltage ripple (< 120 Hz)	< 2.1 %
Output P_ST_LM (at full load)	≤ 1
Output SVM (at full load)	≤ 0.4
Starting time (output)	≤ 500 ms
Turn off time (output)	≤ 10 ms
Hold on time at power failure (output)	≤ 1 ms
THD (at 120 V, 60 Hz, full load) ①	< 10 %
THD (at 277 V, 60 Hz, full load) ①	< 20 %
Mains burst capability (between L - N)	1 kV
Mains surge capability (between L - N)	2 kV
Mains surge capability (between L/N - PE)	4 kV
Surge voltage at output side (against PE)	< 500 V
Ambient temperature ta	-13 ... +131 °F
Ambient temperature ta (at lifetime 50,000 h)	113 °F
Storage temperature ts	-40 ... +185 °F
Lifetime	up to 50,000 h
Guarantee (conditions at www.tridonic.com)	5 Year(s)
Dimensions L x W x H	5.83 x 1.8 x 1 inch
Hole spacing D	0.18 inch

Approval marks**Standards**

UL 8750, FCC PART 15

Specific technical data

Type	Max. casing temperature tc	Output voltage	Max. input power (at 120 V, 60 Hz, full load)	Max. input power (at 277 V, 60 Hz, full load)	Output current range	Max. output voltage (U _{OUT})
LC 60/24V 0-10V Ip SNC UNV	185 °F	24 V	75 W	70 W	0 – 2.5 A	25.2 V

① Valid at 100 % dimming level.

② At failure mode.