

Driver LC 48V 100W DC-STR UNV FO Ip

Fixed output

**Product description**

- _ Fixed output DC-String constant voltage built-in LED driver
- _ Compatible with other DC-String components
- _ Max. output power 100 W
- _ Up to 94 % efficiency
- _ FCC 15 Class A + B
- _ Nominal lifetime up to 50,000 h
- _ 5 years guarantee (conditions at <https://www.tridonic.com/manufacture-guarantee-conditions>)

Housing properties

- _ Low profile metal casing with white cover
- _ Type of protection IP20
- _ Dry and damp location

Functions

- _ DC-String compatible
- _ Intelligent Temperature Guard (overtemperature protection)
- _ Short-circuit protection
- _ Overload protection

Website

<http://www.tridonic.com/28001983>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative



High bay

| Type | Article number | Packaging, carton | Packaging, pallet | Weight per pc. |
|------------------------------|----------------|-------------------|-------------------|----------------|
| LC 48V 100W DC-STR UNV F0 Ip | 28001983 | 15 pcs(s). | 540 pcs(s). | 0.34 kg |

Technical data

| | |
|--|---------------------|
| Rated supply voltage | 120 – 277 V |
| AC input voltage | 120 – 305 V |
| Mains frequency | 50 / 60 Hz |
| Fixed output | |
| Typ. current (at 120 V, 60 Hz, full load) | 886 mA |
| Typ. current (at 277 V, 60 Hz, full load) | 383 mA |
| Leakage current (at 120 V, 60 Hz, full load) | < 500 µA |
| Leakage current (at 277 V, 60 Hz, full load) | < 500 µA |
| Max. input power (at 120 V, 60 Hz, full load) | 106 W |
| The complete data sheet for this product is available in the Downloads section. | |
| Typ. efficiency (at 120 V, 60 Hz, full load) | 91 % |
| Typ. efficiency (at 277 V, 60 Hz, full load) | 93,6 % |
| λ (at 120 V, 60 Hz, full load) | 0.99 |
| λ (at 277 V, 60 Hz, full load) | 0.97 |
| Typ. input current in no-load operation (at 120 V, 60 Hz) | 34.8 mA |
| Typ. input current in no-load operation (at 277 V, 60 Hz) | 48.4 mA |
| Typ. input power in no-load operation (at 120 V, 60 Hz) | 2.6 W |
| Typ. input power in no-load operation (at 277 V, 60 Hz) | 2.3 W |
| THD (at 120 V, 60 Hz, full load) | < 10 % |
| THD (at 277 V, 60 Hz, full load) | < 15 % |
| Output voltage tolerance | -2.1 / +8.4 % |
| Output LF current ripple (< 120 Hz) | ± 1 % |
| Max. output voltage (U-OUT) | 52 V |
| Max. cable length secondary | Refer to data sheet |
| Mains surge capability (between L - N) | 1 kV |
| Mains surge capability (between L/N - PE) | 2 kV |
| Surge voltage at output side (against PE) | 2 kV |
| Ambient temperature ta | -20 ... +50 °C |
| Max. casing temperature tc | 85 °C |
| Lifetime | up to 50,000 h |
| Guarantee (conditions at www.tridonic.com) | 5 Year(s) |
| Dimensions L x W x H | 425 x 30 x 21 mm |

Approval marks**Standards**

UL 8750, CSA C22.2, FCC PART 15