LTP-1025 | DATASHEET

LUMITECH

PRODUCT DESCRIPTION

- Constant Voltage LED Power Supply
- Suitable for operation of PI-LED systems
- Sustained short-circuit current | overload protection | over temperature protection | open loop protection
- Very slim form factor

ORDERING DATA AND TECHNICAL DATA

Type	Description
LTP-1025	CONVERTER 100W 48V IP20 LT

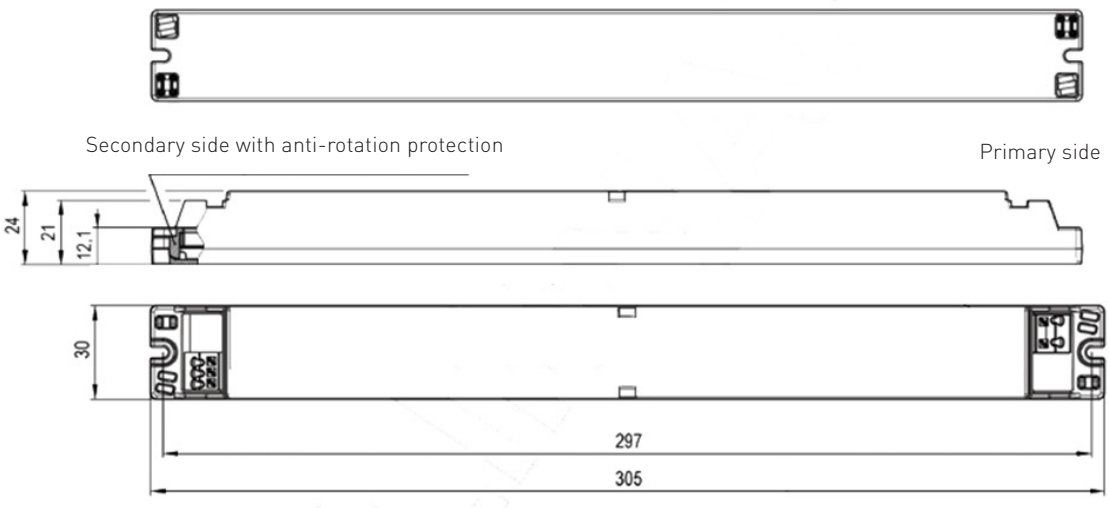
Output	Voltage	48 V DC
	Rated current	2 A
	Rated power	96 W
	Voltage tolerance	± 2 %
	Ripple voltage	typ. 120 mV_{ss} in constant voltage range
Input	Voltage	220 V AC to 240 V AC ± 10%
	Frequency range	50...60 Hz
	Efficiency	typ. 92 %
	Inrush current	34 A
	Power factor	> 0.95 at maximum power
Other technical data	Ambient temperature	-20°C to +45°C
	Storage temperature	-40°C to +70°C
	Max. case temperature	+75°C (measured at Tc point)
	Withstand voltage	2 kV
	Fulfilled standards, regulations and safety tests	EN61347-1 and EN61347-2-13 SELV EN55015 I EN61547 I EN61000-3-2 I EN62384
	Protection class and type	II / IP20
	Lifetime	30,000 h (at max. case temperature) 60,000 h (at 65°C case temperature)
	Dimensions L x W x H	305 mm x 30 mm x 24 mm

Maximum load of automatic circuit breakers (FCB):

Product	Peak current [A]	Duration [µs]
LTP-1025	34	385

Characteristic B				Characteristic C			
6A	10A	13A	16A	6A	10A	13A	16A
3	5	7	9	5	9	12	15

DRAWINGS AND DIMENSIONS - Size in mm



NOTES

In the case of overload or over temperature, the LED driver reduces independently the maximum output power. In conjunction with a PI-LED system, this may lead to a reduced functionality, malfunction or an automatic shut-down of the system. That protective function serves exclusively security reasons, extended life time and prevention against black out.

The 1-10V control port is without any function and therefore must not be used in conjunction with a PI-LED system.
Secondary switching of the power supply in conjunction with a PI-LED system is not permitted.

All specifications refer to an ambient temperature of 20°C and were measured after a power-on time of 15 minutes.

Last change: 11.06.2019