

Datasheet & Operating instructions

Model: LM-300V24

LED power supply for 24 Vdc constant voltage

12.5 A (300W) Max., IP20, Built-in installation, non-dimmable

Flicker-free according to IEEE 1789



SELV



Electrical data

Rated input voltage	220...240 Vac
Range of input voltage (AC)	198...264 Vac
Range of input voltage (DC)	198...280 Vdc
Frequency	50/60 Hz
Power factor (λ)	≥ 0.95 220...240 Vac
Input current	1.5 A max.
No-load loss	≤ 0.5 W
Inrush current	71.6 A max.
Leakage current	I/P to O/P < 250 μ A
Output voltage	24 Vdc
Output current	0...12.5 A
Output power (nominal)	300 W max.
Efficiency	$\geq 94\%$
Life time	> 50,000 h
Dimmable	No

Operating condition

Operating temperature range (t_a)	-20...+45 °C
Max. Surface temperature (t_c)	90 °C
Permitted rel. humidity	5...85 %
Protection class	I
Type of protection	IP20

Protection

Short circuit protection	Yes *
Overload protection	Yes *
No-load protection	Yes *
Overheating protection	Yes *

(*) The output shuts off and will be resumed, after problem is removed and led driver is restarted.

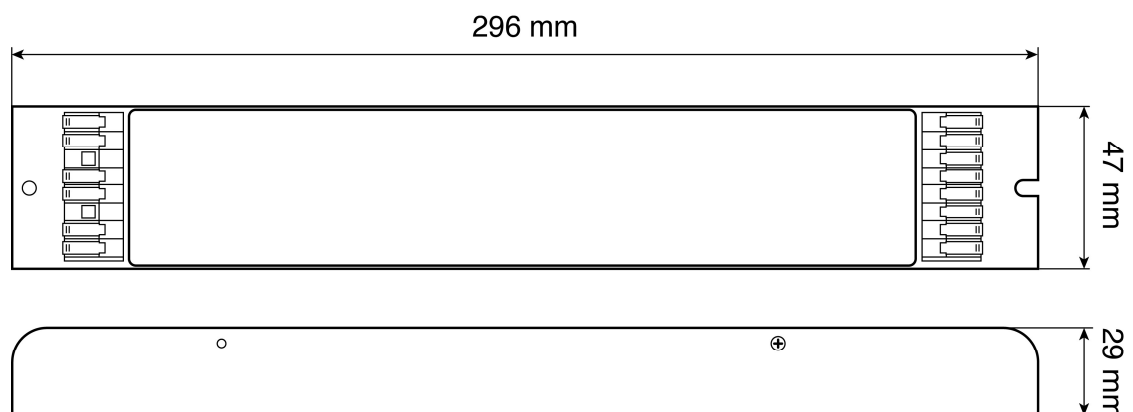
Standards

Standards	EN 61347-1, EN 61347-2-13 EN 62384, EN 55015, EN 61547 EN 62493, EN 61000-3-2, EN 61000-3-3
Marking	CE, UKCA
RoHS compliant	Yes

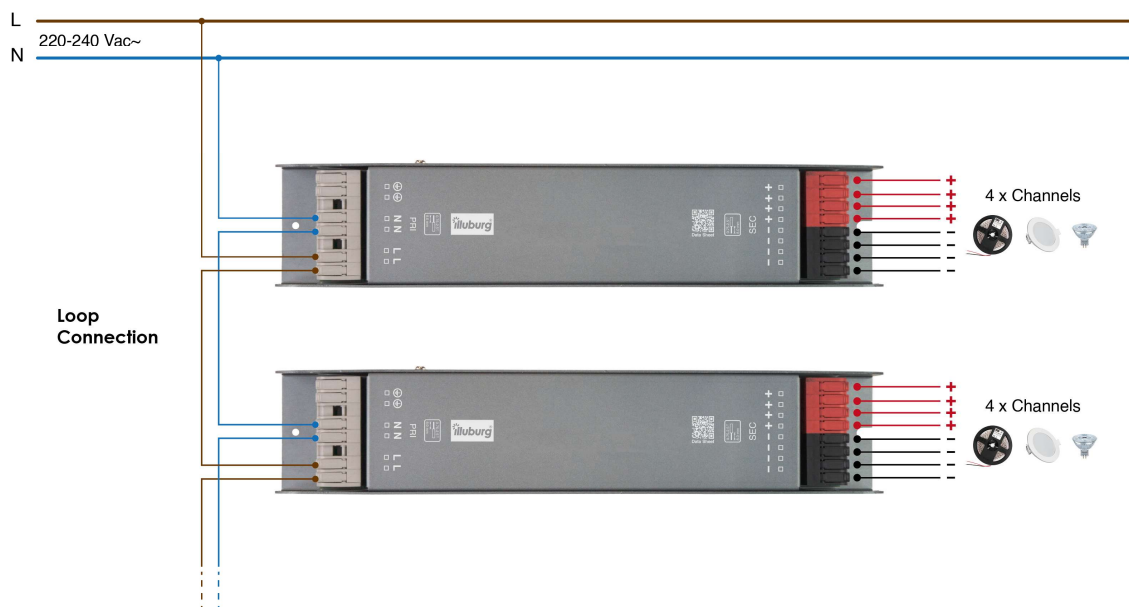
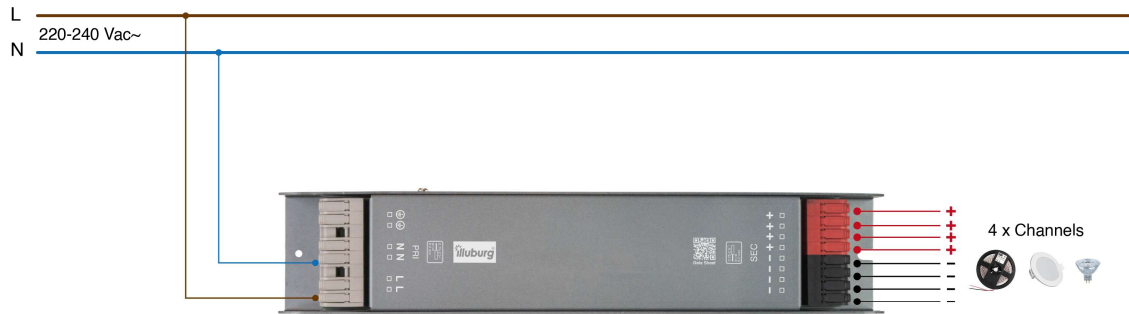
Installation

Type of installation	Built-in installation	
Type of connection	Spring lever terminal	
Cable cross-section, input side	0.75...2.5 mm ²	
Cable cross-section, output side	0.75...2.5 mm ²	
Cable preparation length, input side	8 mm	
Cable preparation length, output side	8 mm	
Circuit breaker (230V)	10A Type B: 8 pc. 13A Type B: 11 pc. 16A Type B: 13 pc. 20A Type B: 17 pc. 25A Type B: 21 pc.	10A Type C: 13 pc. 13A Type C: 17 pc. 16A Type C: 21 pc. 20A Type C: 27 pc. 25A Type C: 34 pc.

Dimension



Connection





Important notice

Download the safety instructions at www.illuburg.de/infocenter, read them carefully and observe the listed instructions and information for proper use.

Disclaimer of liability

Subject to changes and errors excepted. Make sure you are using the latest version.

Manufacturer Information

If you have any further questions, please contact our technical support.

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