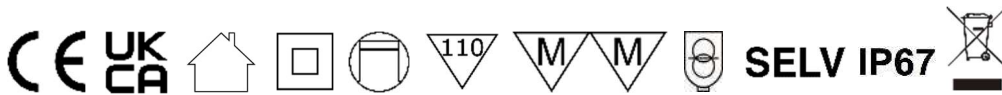


Datasheet & Operating instructions

Model: LS7-100V12P

LED power supply for 24 Vdc constant voltage
8.33 A (100 W) max., IP67, Built-in installation, non-dimmable



Electrical data

Rated input voltage	220...240 Vac	
Range of input voltage	198...264 Vac	
Mains frequency	50/60 Hz	
Power factor (λ)	≥ 0.95	Full Load
Input current	0.485 A max.	
No-load loss	≤ 0.5 W	
Inrush current	63 A max.	
Leakage current	< 0.7 mA	
Output voltage	12 Vdc	
Output current	0...8.33 A	
Output power (nominal)	100 W max.	
Efficiency	≥ 90 %	Full Load
MTBF	$> 50,000$ h	
Dimmable	No	

Operating condition

Operating temperature range (t_a)	-20...+45 °C
Max. Surface temperature (t_c)	85 °C
Permitted rel. humidity during operation	5...85 %
Protection class	II
Type of protection	IP67

Protection

Short circuit protection	Yes (*)	
Overload protection	Yes (*)	120...150 %

(*) 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 62493, EN 55015, EN 61547 EN 61000-3-2, EN 61000-3-3
Marking	CE, UKCA
RoHS compliant	Yes

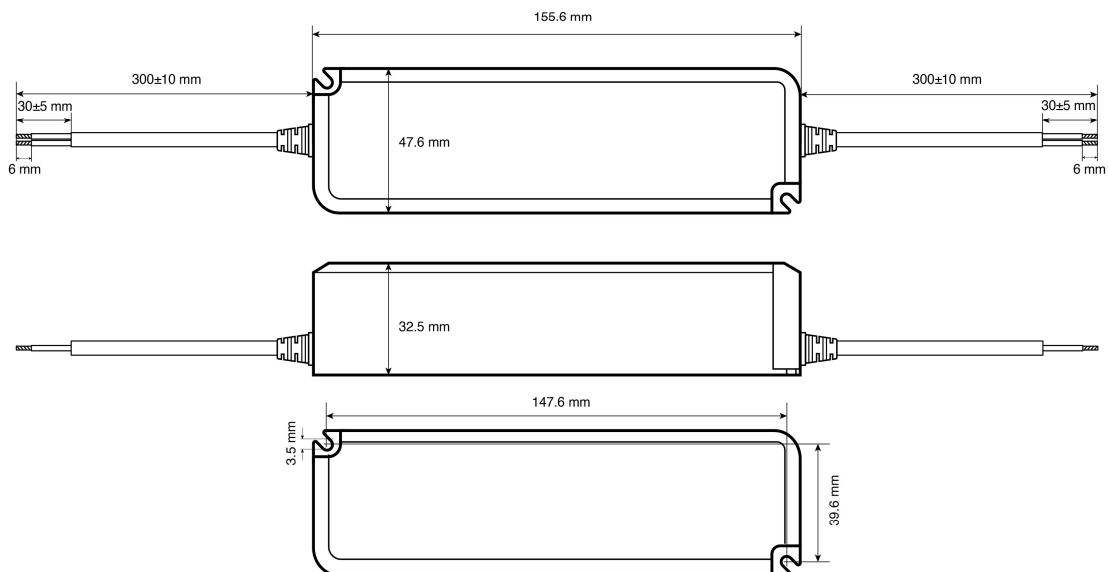
Installation

Type of installation	Built-in installation	
Cable length, input side	300 ± 10 mm	
Cable length, output side	300 ± 10 mm	
Cable cross-section, input side	2 x 1.0 mm ²	
Cable cross-section, output side	2 x 18 AWG	
Cable preparation length, input side	6 mm	
Cable preparation length, output side	6 mm	
Circuit breaker (230V)	10A Type B: 7 pc. 16A Type B: 11 pc. 20A Type B: 14 pc.	10A Type C: 11 pc. 16A Type C: 19 pc. 20A Type C: 24 pc.

Dimension

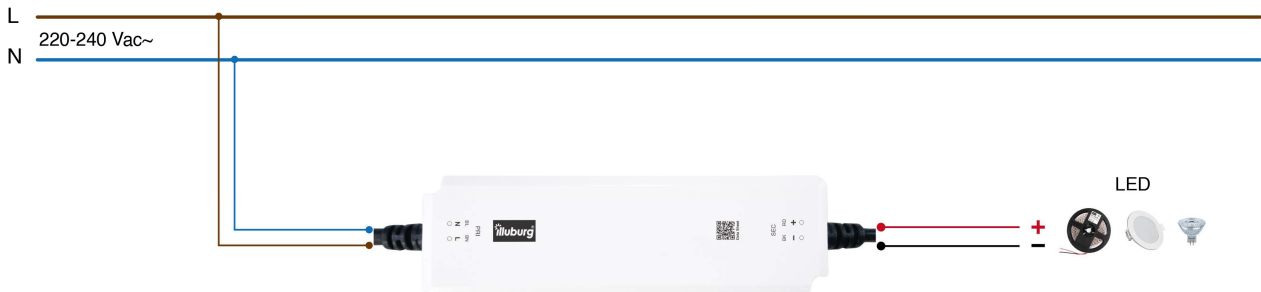
AC INPUT (2 x 1 MM²)
BROWN (L)
BLUE (N)

DC OUTPUT (2 x 18 AWG)
RED (+)
BLACK (-)



Unspecified tolerance: ±2

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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