

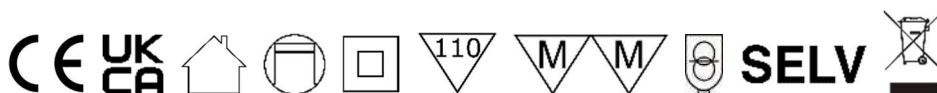
Datasheet & Operating instructions

Model: US-250V48G

LED power supply for 48 Vdc constant voltage

5.21 A (250 W) max., IP20, independent installation, non-dimmable

Flicker free according to IEEE 1789



Exploded view



Electrical data

Rated input voltage	220...240 Vac
Range of input voltage	176...264 Vac
Mains frequency	50/60 Hz
Power factor (λ)	≥ 0.95 220...240 Vac
Input current	1.5 A max.
No-load loss	≤ 0.5 W 230 Vac
Inrush current	76 A max.
Leakage current	< 250 μ A
Output voltage	48 Vdc
Output current	0...5.21 A
Output power (nominal)	250 W max.
Efficiency	≥ 91 %
Life time	$> 63,000$ h
Dimmable	No

Operating condition

Operating temperature range (t_a)	-25...+45 °C
Max. Surface temperature (t_c)	90 °C
Permitted rel. humidity	5...85 %
Protection class	II
Type of protection	IP20

Protection

Short circuit protection	Yes *
Overcurrent protection	Yes * 120...180 %
Overvoltage protection	Yes * 110...150 %
Overheating protection	Yes * $90 < T_c < 110$ °C

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

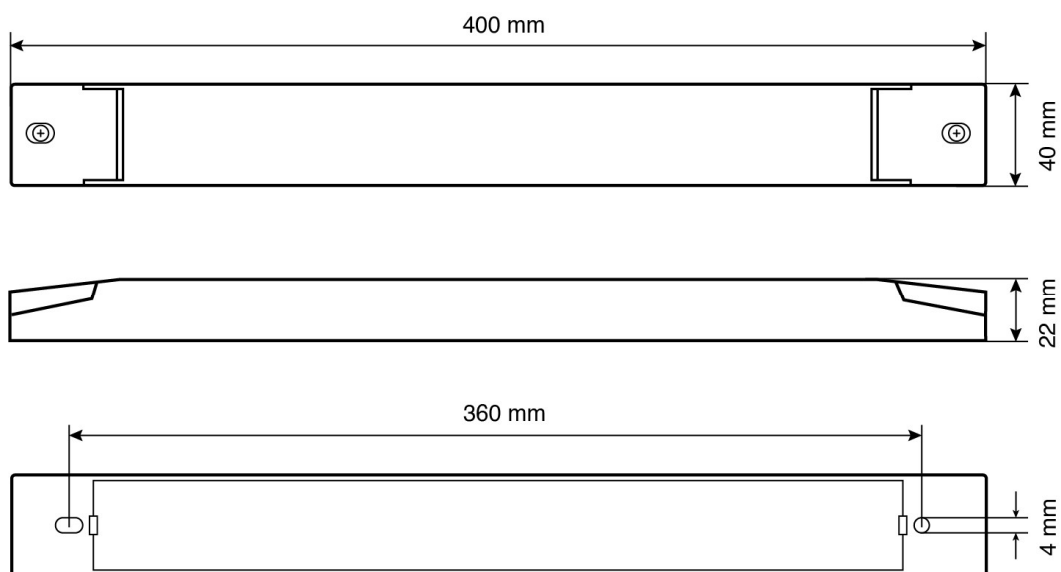
Standards

Standards	EN 61347-1, EN 61347-2-13 EN62384, EN 55015, EN 61547 EN 61000-3-2, EN 61000-3-3
Marking	CE, UKCA
RoHS compliant	Yes

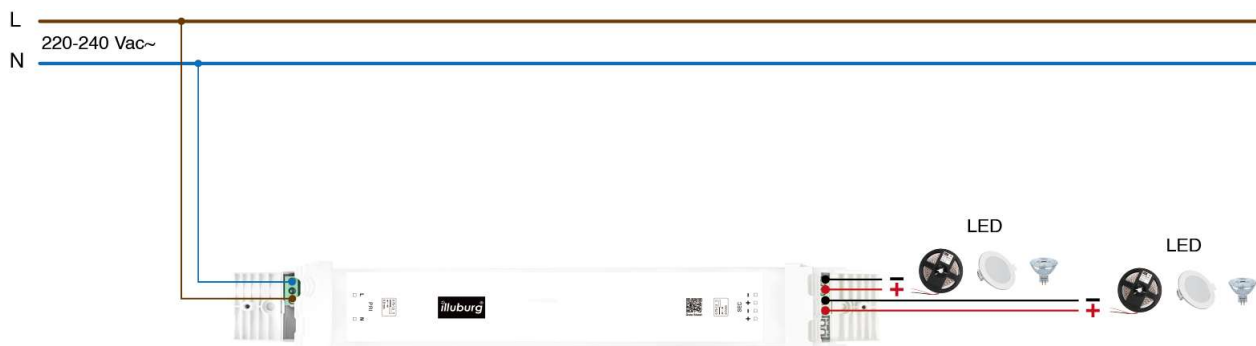
Installation

Type of installation	Independent installation	
Type of connection	Screw terminal	
Cable cross-section, input side	0.75...1.5 mm ²	
Cable cross-section, output side	0.75...1.5 mm ²	
Cable preparation length, input side	6.0 mm	
Cable preparation length, output side	6.0 mm	
Circuit breaker (230V)	10A Type B: 8 pc. 16A Type B: 13 pc. 20A Type B: 16 pc.	10A Type C: 13 pc. 16A Type C: 20 pc. 20A Type C: 25 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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