

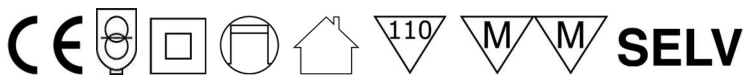
Datasheet & Operating instructions

Model: US-250V24G

LED power supply for 24 Vdc constant voltage

10.42 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 | 80 A max. | |
| Leakage current | < 250 μ A | |
| Output voltage | 24 Vdc | |
| Output current | 0...10.42 A | |
| Output power (nominal) | 250 W max. | |
| Efficiency | ≥ 93 % | |
| Life time | $> 52,000$ 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.

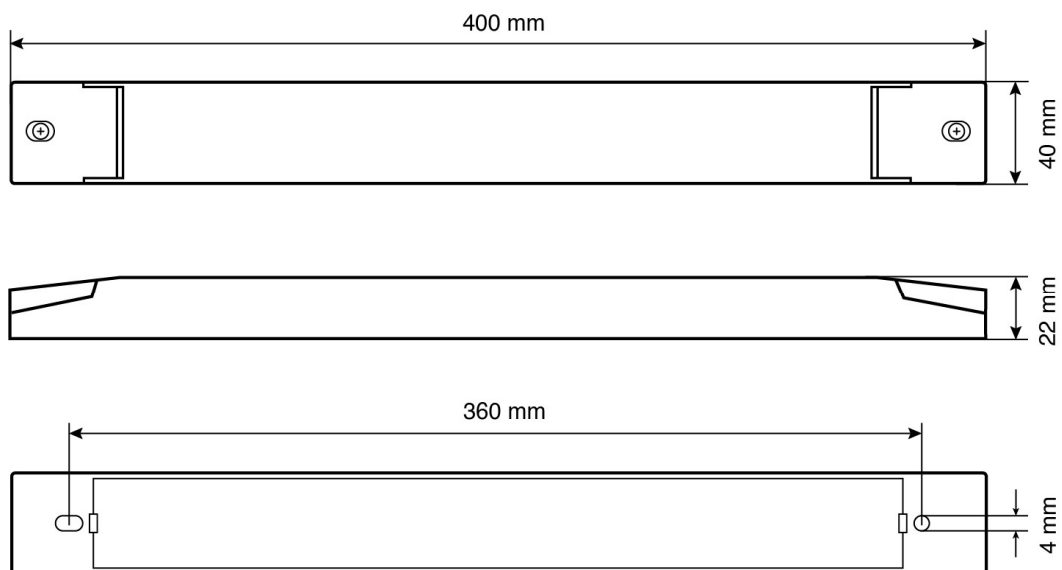
Standards

| | |
|-----------------------|--|
| 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 |

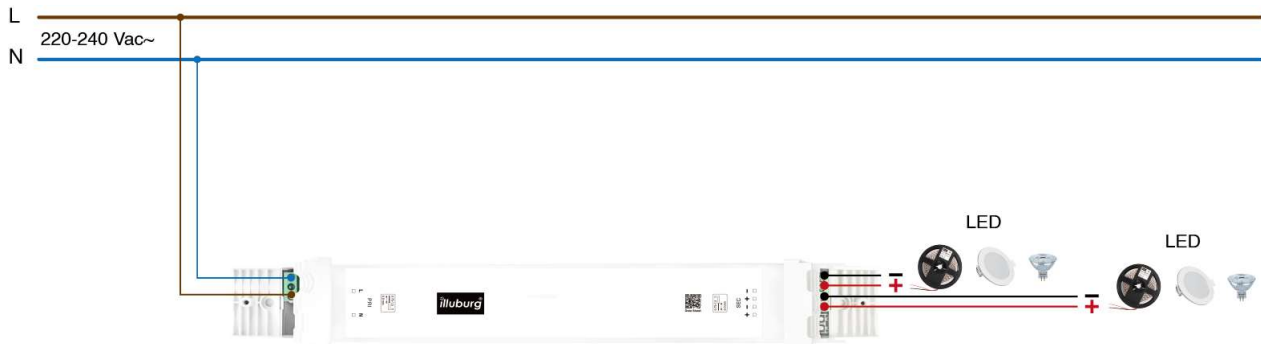
Installation

| | | |
|--|----------------------------|-------------------|
| 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 | 7.0...9.0 mm | |
| Cable preparation length, output side | 7.0...9.0 mm | |
| Circuit breaker (230V) | 16A Type B: 6 pc. | 16A Type C: 8 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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