

# Datasheet & Operating instructions

## Model: LS-60V48G

LED power supply for 48 Vdc constant voltage

1.25 A (60 W) max., IP20, independent installation, non-dimmable

Flicker-free according to IEEE 1789





## Electrical data

|                             |                                |
|-----------------------------|--------------------------------|
| Rated input voltage         | 220...240 Vac                  |
| Range of input voltage (AC) | 198...264 Vac                  |
| Range of input voltage (DC) | 220...280 Vdc                  |
| Frequency                   | 50/60 Hz                       |
| Power factor ( $\lambda$ )  | $\geq 0.95$ 230 Vac, Full load |
| Input current               | 0.35 A max.                    |
| No-load loss                | $\leq 0.5$ W                   |
| Inrush current              | 45 A max.                      |
| Leakage current             | I/P to O/P < 250 $\mu$ A       |
| Output voltage              | 48 Vdc                         |
| Output current              | 0.062 A...1.25 A               |
| Output power (nominal)      | 60 W max.                      |
| Efficiency                  | $\geq 88\%$                    |
| Life time                   | > 50,000 h                     |
| Dimmable                    | No                             |

## Operating condition

|                                       |              |
|---------------------------------------|--------------|
| Operating temperature range ( $t_a$ ) | -20...+50 °C |
| Max. Surface temperature ( $t_c$ )    | 90 °C        |
| Permitted rel. humidity               | 10...90 %    |
| Protection class                      | II           |
| Type of protection                    | IP20         |

## Protection

|                          |       |
|--------------------------|-------|
| Short circuit protection | Yes * |
| Overload protection      | Yes * |
| No-load Protection       | Yes * |

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

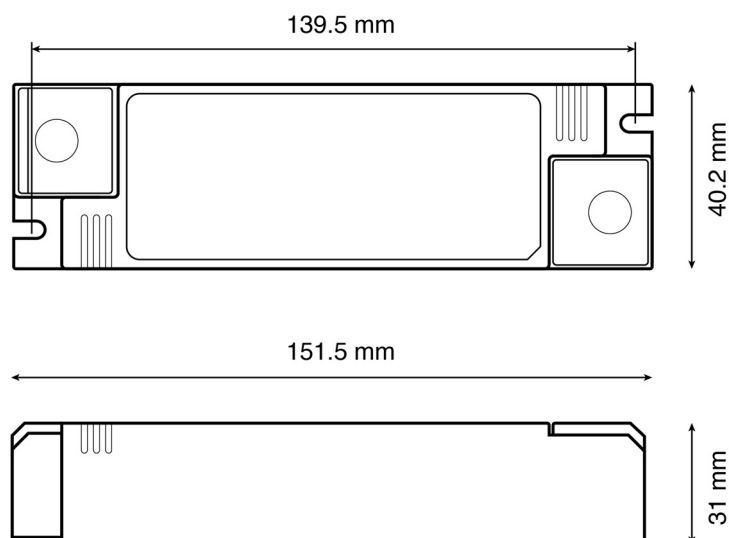
## Standards

|                       |                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------|
| <b>Standards</b>      | EN 61347-1, EN 61347-2-13<br>EN 62384, EN 55015, EN 61547<br>EN 62493, EN 61000-3-2, EN 61000-3-3 |
| <b>Marking</b>        | CE, UKCA                                                                                          |
| <b>RoHS compliant</b> | Yes                                                                                               |

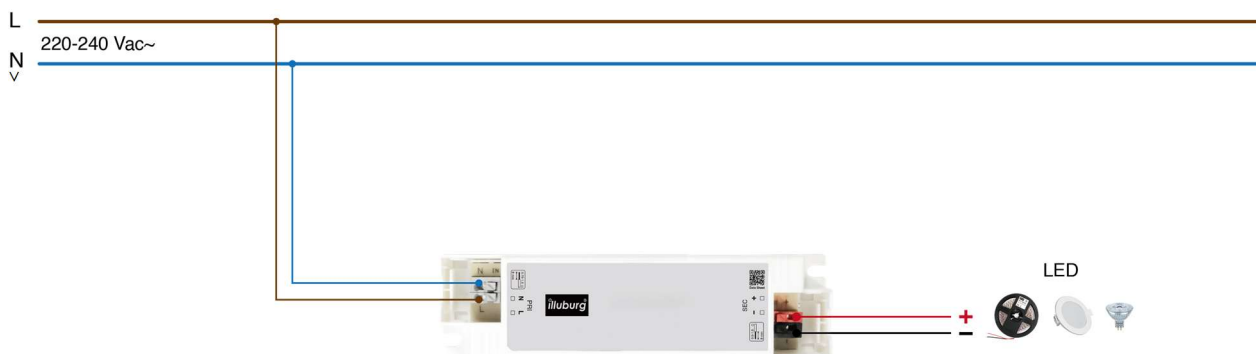
## Installation

|                                              |                                                                                                            |                                                                                                            |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Type of installation</b>                  | Independent installation                                                                                   |                                                                                                            |
| <b>Type of connection</b>                    | Spring-loaded terminal                                                                                     |                                                                                                            |
| <b>Cable cross-section, input side</b>       | 0.75...1.5 mm <sup>2</sup>                                                                                 |                                                                                                            |
| <b>Cable cross-section, output side</b>      | 0.5...1.5 mm <sup>2</sup>                                                                                  |                                                                                                            |
| <b>Cable preparation length, input side</b>  | 7.0...9.0 mm                                                                                               |                                                                                                            |
| <b>Cable preparation length, output side</b> | 7.0...9.0 mm                                                                                               |                                                                                                            |
| <b>Circuit breaker (230V)</b>                | 10A Type B: 13 pc.<br>13A Type B: 17 pc.<br>16A Type B: 21 pc.<br>20A Type B: 27 pc.<br>25A Type B: 33 pc. | 10A Type C: 21 pc.<br>13A Type C: 28 pc.<br>16A Type C: 34 pc.<br>20A Type C: 43 pc.<br>25A Type C: 53 pc. |

## Dimension



## Connection



## Important notice

Download the safety instructions at [www.illuburg.de/infocenter](http://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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