

# Datasheet & Operating instructions

## Model: LS-30C500G

LED power supply for 500 mA constant current  
45...60 Vdc, 22.5...30 W, 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	198...264 Vac
Range of input voltage (DC)	220...280 Vdc
Mains Frequency	50/60 Hz
Power factor ( $\lambda$ )	> 0.95 <span style="float: right;">Full Load, 230 Vac</span>
Input current	0.16 A max.
Inrush current	30 A max.
Leakage current	< 250 $\mu$ A
Output voltage	45...60 Vdc
Output current	500 mA
Output power (nominal)	22.5...30 W
Efficiency	$\geq$ 87 %
Life time	> 50,000 h
Dimmable	No

## Operating condition

Operating temperature range ( $t_a$ )	-20...+40 °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.

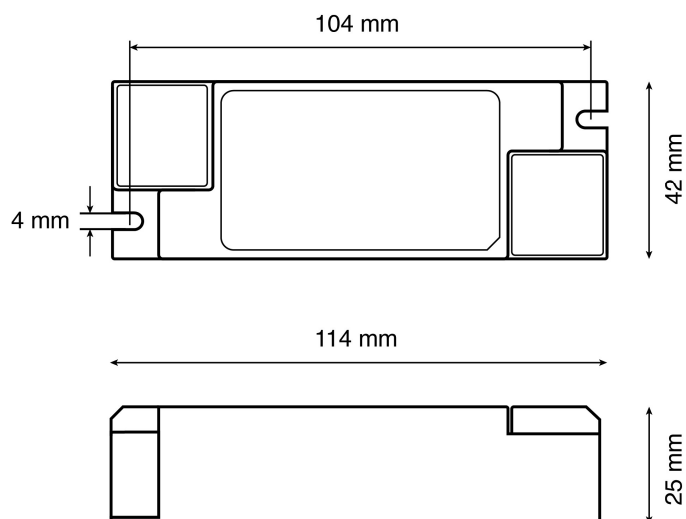
## Standards

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

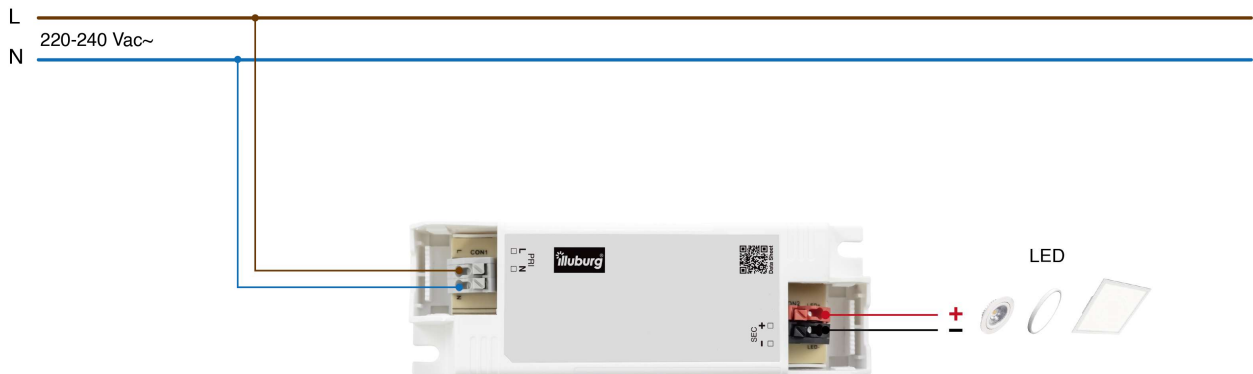
## Installation

<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...9 mm	
<b>Cable preparation length, output side</b>	7...9 mm	
<b>Circuit breaker (230V)</b>	10A Typ B: 24 pc. 13A Typ B: 31 pc. 16A Typ B: 38 pc. 20A Typ B: 48 pc. 25A Typ B: 60 pc.	10A Typ C: 38 pc. 13A Typ C: 50 pc. 16A Typ C: 61 pc. 20A Typ C: 77 pc. 25A Typ C: 96 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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