

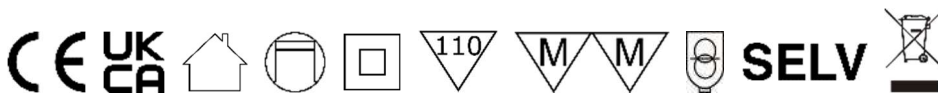
# Datasheet & Operating instructions

## Model: US-30V24

LED power supply for 24 Vdc constant voltage

1.25 A (30 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	198...264 Vac	
Range of input voltage (DC)	176...250 Vdc	
Mains frequency	50/60 Hz	
Power factor ( $\lambda$ )	$\geq 0.95$	Full Load, 230 Vac
Input current	0.24 A max.	Full Load, 198 Vac
No-load loss	$\leq 0.5$ W	
Inrush current	20 A max.	
Leakage current	$< 0.7$ mA	
Output voltage	24 Vdc	
Output current	0...1.25 A	
Output power (nominal)	30 W max.	
Efficiency	$\geq 85$ %	
Life time	$> 50,000$ h	
Dimmable	No	

## Operating condition

Operating temperature range ( $t_a$ )	-20...+45 °C	
Max. Surface temperature ( $t_c$ )	85 °C	
Permitted rel. humidity	20...90 %	
Protection class	II	
Type of protection	IP20	

## Protection

Short circuit protection	Yes *	
Overload protection	Yes *	105...150 %
Overvoltage protection	Yes *	$> 25.2$ Vdc
Overheating protection	Yes *	

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

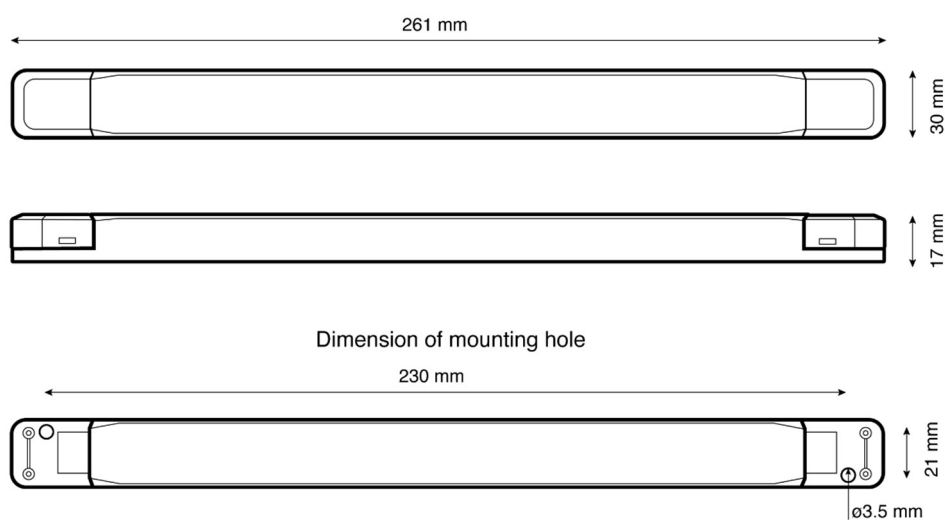
## Standards

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

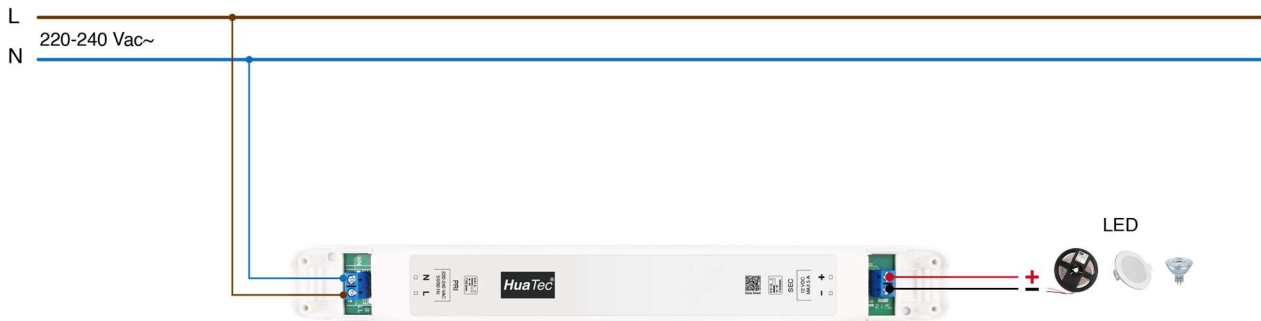
## Installation

<b>Type of installation</b>	Independent installation	
<b>Type of connection</b>	Screw terminal	
<b>Cable cross-section, input side</b>	0.5...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: 26 pc. 16A Type B: 41 pc. 20A Type B: 52 pc.	10A Type C: 33 pc. 16A Type C: 53 pc. 20A Type C: 66 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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