

Datasheet & Operating instructions

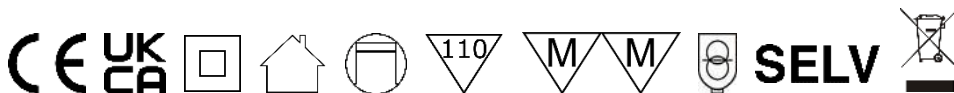
Model: LS-150V48-D3

LED power supply for 48 Vdc constant voltage

1.04...3.13 A, 50...150 W, IP20, independent installation

TRIAC (leading & trailing edge) dimmable

Flickerfree according to IEEE 1789



Exploded view



Electrical data

Rated Input Voltage	220...240 Vac	
Range of input voltage	198...264 Vac	
Mains frequency	50/60 Hz	
Power factor (λ)	≥ 0.95	Full load
Input current	0.9 A max.	
Inrush current	30 A	600 μ s
Output voltage	48 Vdc	
Output current	1.04...3.13 A	
Output power (nominal)	50...150 W	
No-Load voltage	50.4 V	
Efficiency	$\geq 92\%$	Full load
Lifetime	> 50,000 h	
Dimming mode	TRIAC (leading & trailing edge)	
Dimming range	1...100 %	

Operating condition

Operating temperature range (t_a)	-20...+45 °C	
Max. Surface temperature (t_c)	90 °C	
Permitted rel. humidity during operation	5...85 %	
Protection class	II	
Type of protection	IP20	

Protection

Short circuit protection	Yes *	
Overload protection	Yes *	
Overcurrent protection	Yes *	
No-load protection	Yes *	
Overheating protection	Yes *	

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

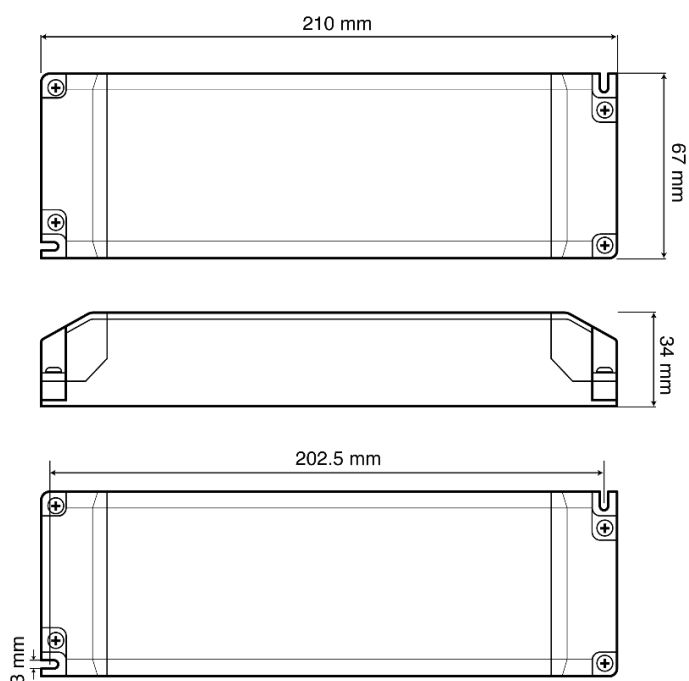
Standards

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

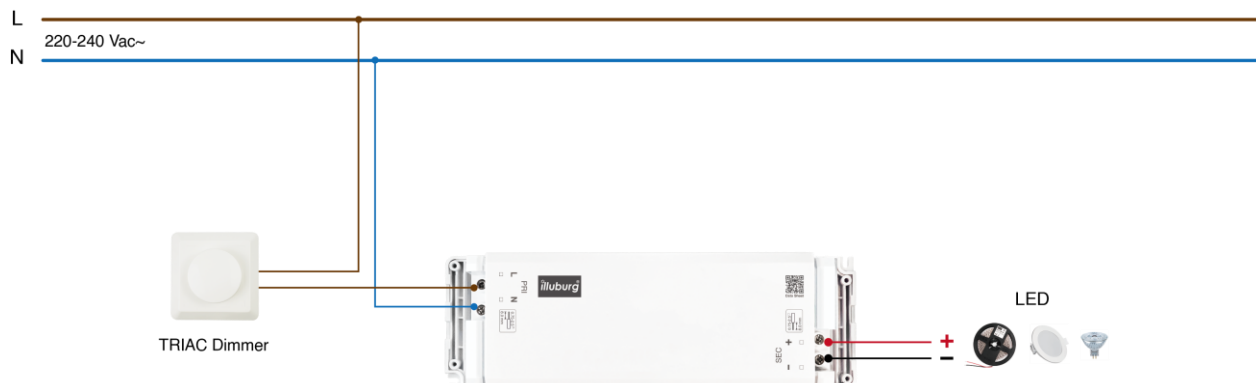
Installation

Type of installation	Independent installation	
Type of connection	Screw terminal	
Cable cross-section, input side	0.75...2.5 mm ²	
Cable cross-section, output side	0.75...2.5 mm ²	
Cable preparation length, input side	8 mm	
Cable preparation length, output side	8 mm	
Circuit breaker (230V)	B10: 3 pcs. B13: 4 pcs. B16: 5 pcs. B20: 7 pcs.	C10: 7 pcs. C13: 9 pcs. C16: 11 pcs. C20: 14 pcs.

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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