

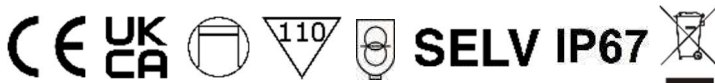
Datasheet & Operating instructions

Model: LM7-400V24T

LED power supply for 24 Vdc constant voltage

16.7 A (400 W) max., IP67, built-in installation, non-dimmable

Flicker free according to IEEE 1789



Electrical data

Rated input voltage	200...240 Vac	
Range of input voltage	176...305 Vac	
Range of input voltage (DC)	190...250 Vdc	
Frequency	50/60 Hz	
Power factor (λ)	≥ 0.9	60%-100% load
Input current	1.955 A max.	
Inrush current	53 A max.	
Leakage current	≤ 0.7 mA	
Output voltage	24 Vdc	
Output current	0...16.7 A	
Output power (nominal)	400 W max.	
Efficiency	≥ 93 %	Full Load
Life time	> 97,000 h	
Dimmable	No	

Operating condition

Operating temperature range (t_a)	-40...+50 °C
Max. Surface temperature (t_c)	90 °C
Permitted rel. humidity during operation	5...100 %
Protection class	I
Type of protection	IP67

Protection

Short circuit protection	Yes *
Overcurrent protection	Yes *
Overvoltage protection	Yes *
Overheating protection	Yes *

(*) The output turns off and can be restored after correcting the problem and restarting the power supply.

Standards

Standards	EN 61347-1, EN 61347-2-13 EN 55015, EN 61547 EN 61000-3-2, EN 61000-3-3, EN 61000-4-2 EN 61000-4-3, EN 61000-4-4, EN 61000-4-5 EN 61000-4-6, EN 61000-4-8, EN 61000-4-11
Marking	CE, UKCA
RoHS compliant	Yes

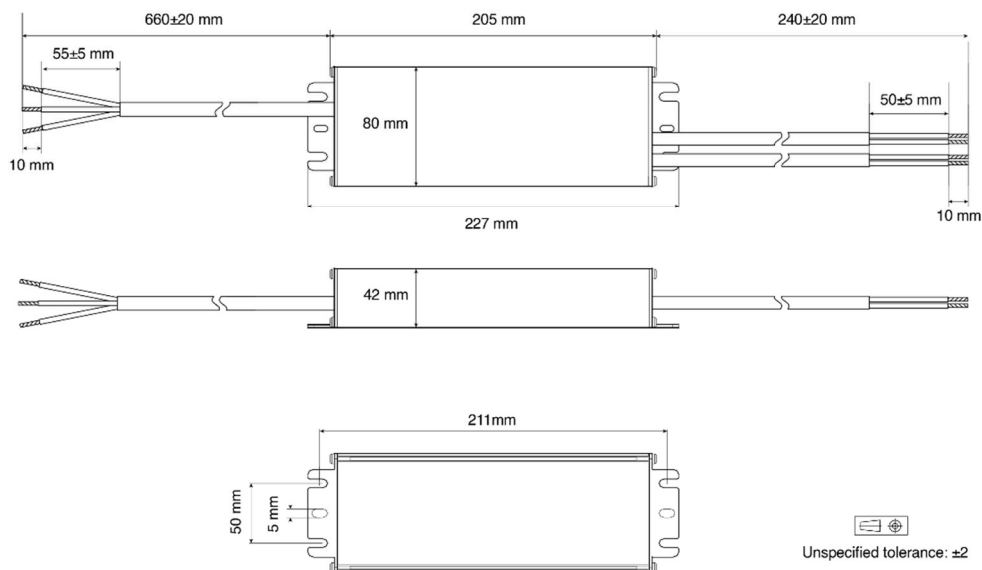
Installation

Cable length, input side	650 mm	
Cable length, output side	2 x 230 mm	
Cable cross-section, input side	3 x 1.0 mm ²	
Cable cross-section, output side	2 x 1.5 mm ²	
Cable preparation length, input side	10 mm tinned	
Cable preparation length, output side	10 mm tinned	
Circuit breaker (230V)	16A Type B: 3 pc. 20A Type B: 4 pc.	16A Type C: 5 pc. 20A Type C: 6 pc.

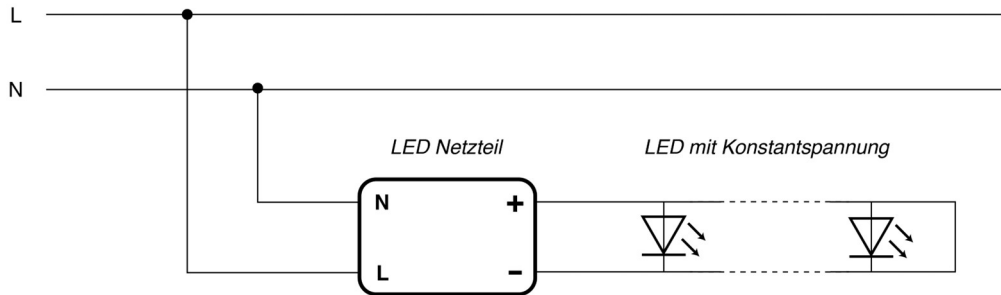
Dimension

AC INPUT (3 x 1.0 MM²)
BROWN (L)
BLUE (N)
YELLOW / GREEN (⊕)

DC OUTPUT (2 x 1.5 MM²)
BROWN (+)
BLUE (-)
BROWN (+)
BLUE (-)



Connection



If only single output is used. The unneeded output cable should be insulated with cable terminal or electrical tape.



**For cable connection in waterproof application,
IP67 connector or IP67 distribution box should be used.**

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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