



LUMINGLITE

Lumilite Lighting Tech. Co., Ltd.

Specification

Model: LMNV-45-12

Description: Input: 200-240Vac, Output: 12Vdc, 3.75A, LED Driver

Date : _____

Prepared by: _____

Checked by: _____

Approved by: _____

Customer authorized signature: _____


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Specification

Product Name:	LED Driver	Applications: Applicable occasions: Indoor
Model:	LMNV-45-12	
		Features: <ol style="list-style-type: none"> 1、 Wide voltage input. 2、 Working temperature range $-20^{\circ}\text{C}\sim+45^{\circ}\text{C}$. 3、 With OCP、 SCP protection function. 4、 Through the FCC、 CB、 CE、 TUV Mark、 3C、 RCM、 IP20、 RoHS
		Installation: screws for fixing.
		Warranty: 3years.

1、 Product Parameters:

Output Characteristics	Rated Output Voltage	12V
	Rated Output Current	3.75A
	Rated Output Power	45W
	Output Voltage Accuracy	(11.5-12.5V)
	Output Ripple & Noise	$\leq 300\text{mV}$
Input Characteristics	Input Voltage Range	200VAC-240VAC
	Input Frequency Range	50-60HZ
	Input Current	$\leq 0.3\text{A}(200-240\text{VAC})$
	Surge Current (cold start)	46A @230VAC
	Power Efficiency	84%
	PF	>0.95
Protective Characteristics	Over-Current Protection	■YES □NO
	Short-Circuit Protection	■YES □NO
	Over-Voltage Protection	■YES □NO
	Over-Temperature Protection	□YES ■NO
Environmental Characteristics	Working Temperature	$-20^{\circ}\text{C}\sim+45^{\circ}\text{C}$
	Working Humidity	45%~85%RH
	Storage Temperature	$\sim 35^{\circ}\text{C}\sim+65^{\circ}\text{C}$

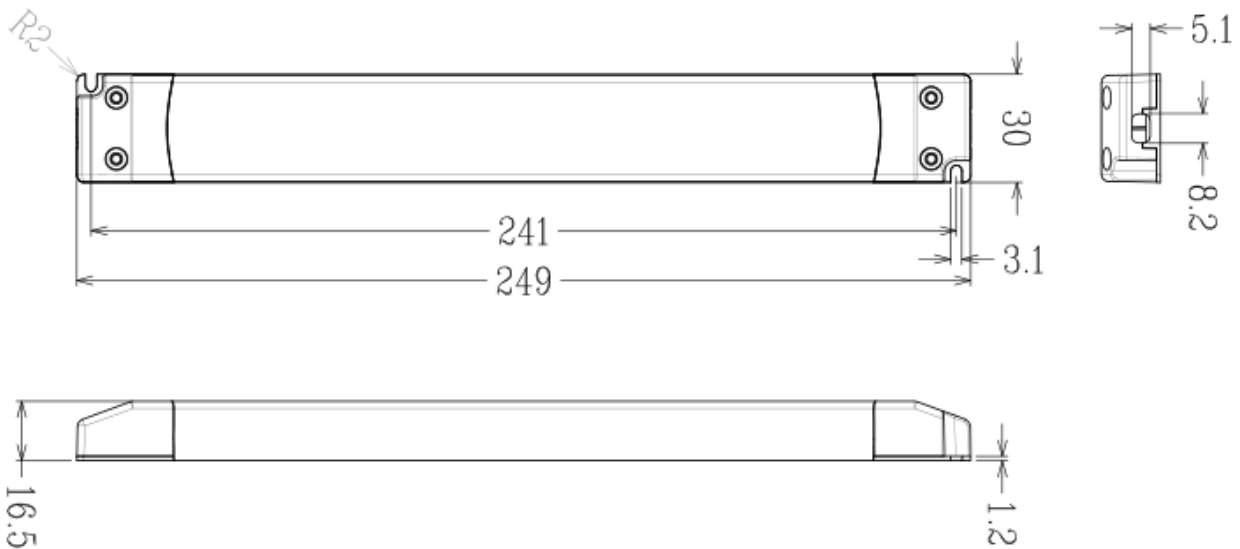
	IP Rating	IP20	
	Vibration	10~500Hz, 1.0mm, 15 minutes (for X、Y、Z each axis)	
Safety and EMC	Safety Standard	Design refer to UL/cUL、 FCC、 CB、 CE、 TUV Mark、 3C、 RCM、 IP20、 RoHS	
	Dielectric Strength (Hi-Pot)	I/P-O/P	3.75KVAC/ 10mA/ 3S
		I/P-Case	1.5KVAC/ 10mA/ 3S
	Insulation Resistance	100MΩ / 500VDC/ 3S	
	Grounding Resistance	≤0.5Ω	
EMC	Design refer to FCC part 15classB EN55015		
Other Characteristics	MTBF	30Khrs. MIL-HDBK-217F(25℃)	
	Size	249*30*16.5mm(L*W*H)	
	Weight	0.16 kg	

Remarks:

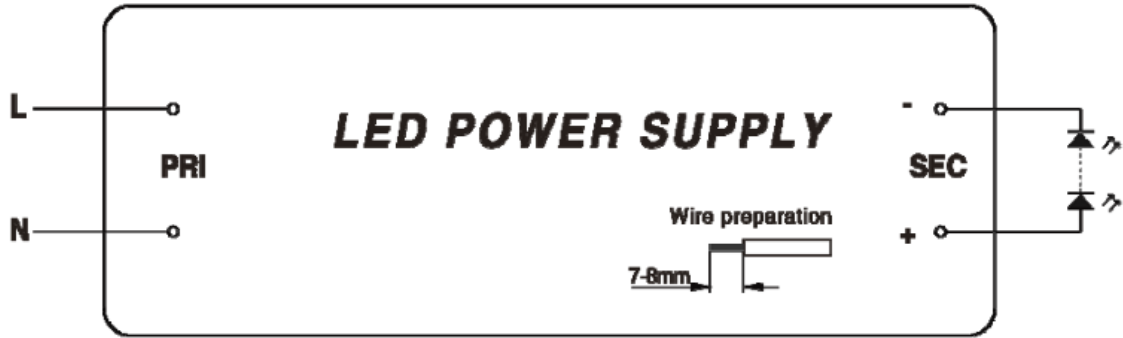
- ① Test environment temperature : 25 ± 2 °C ;
- ② Ripple and noise measurement methods: terminal to parallel 47uF electrolytic capacity and 0.1uF ceramic capacity, in 20 MHZ Bandwidth measurement.

2、 Profile Drawing:

Wiring Diagram





Wiring Diagram



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3、Laybel Drawing:

 LUMINGLITE	LMNV-45-12 LED POWER SUPPLY	Prim.:200-240VAC,50/60Hz, $\lambda > 0.9$ Sec.: 12VDC,Max.3.75A t_c 45W tc:80°C ta:45°C	
PRI 200-240V~			SEC 12VDC

4、Packaging Diagram:

产品/Product:



内盒/Inner box:



外箱/Outer carton:



5、Packaging Information:

- 1、Outer Carton: 350*320*205mm; Inner packing box: 276*29*37mm
- 2、(QTY)/ Quantity: 60pcs; Total 6 layer, each layer 10 pcs
- 3、(NW) / Net Weight: 8.4(1±10%) kg;
- 4、(GW) / Gross Weight: 10.20(1±10%) kg;
- 5、The actual packed quantity and weight may subject to change without prior notice.

6、Note:

- 1、 Please ensure that the ground wire is properly grounded and ensure it does not come into contact with the neutral wire.

- 2、 Please make the power supply installed in a well-ventilated place, to ensure that the environment temperature is appropriate.
- 3、 Do not overload the power supply with multiple appliances.
- 4、 Please do not touch the metal shell surface to avoid high temperature scald.
- 5、 Do not install in the minefield or high pressure area.
- 6、 Do not attempt to repair privately. Please contact the supplier if you have any questions.

7、 Tips:

- 1、 To be installed by a certified electrician. Please read and follow the instructions carefully before installing. Ensure all contact points are connected firmly.
- 2、 Please pay attention to the using environment, and conduct regular check and maintenance to eliminate safety risks.



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