



**LUMINGLITE**

Lumilite Lighting Tech. Co., Ltd.

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# Specification

**Model:** LMNV-30-12

**Description:** Input:200-240Vac, Output: 12Vdc, 2.5A, LED Driver

**Date** : \_\_\_\_\_

**Prepared by:** \_\_\_\_\_

**Checked by:** \_\_\_\_\_

**proved by:** \_\_\_\_\_

**Customer authorized signature:** \_\_\_\_\_


**Issued Status:** Draft Published

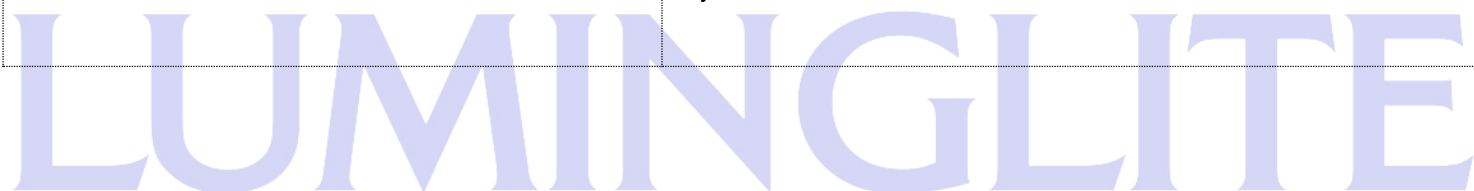
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# Specification

<b>Product Name:</b>	LED Driver	<b>Applications:</b>  Applicable occasions: Indoor
<b>Model:</b>	LMNV-30-12	
		<b>Features:</b>
		<ul style="list-style-type: none"> <li>1、 Wide voltage input.</li> <li>2、 Working temperature range -20℃~+45℃.</li> <li>3、 With OCP、 SCP protection function.</li> <li>4、 Through the FCC、 CB、 CE、 TUV Mark、 3C、 RCM、 IP20、 RoHS</li> </ul>
		<b>Installation:</b> screws for fixing.
		<b>Warranty:</b> 3 years.



## 1、 Product Parameters:

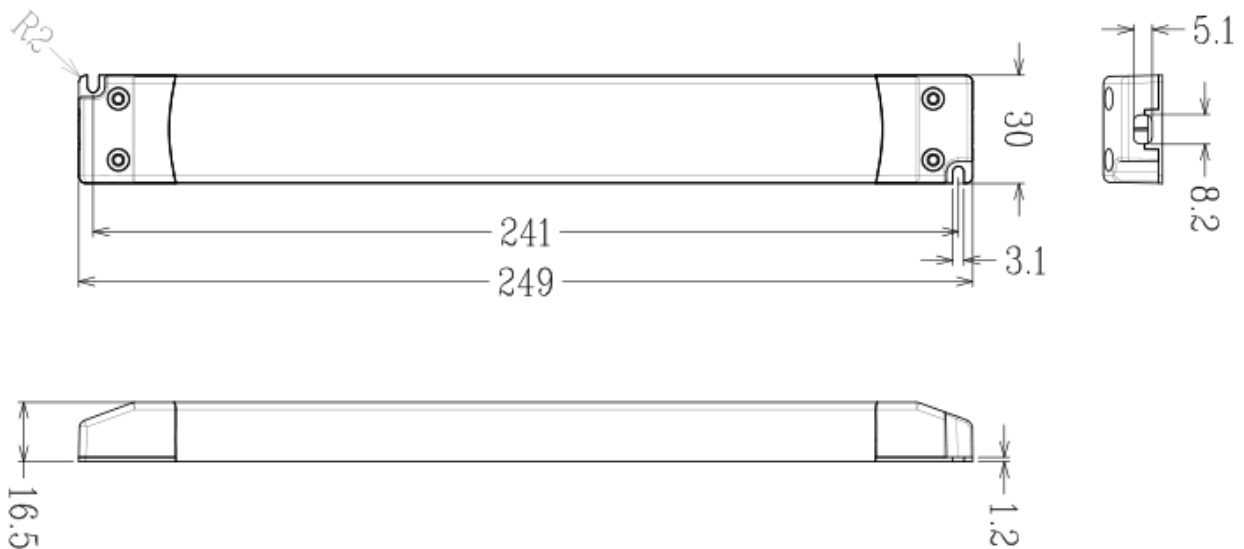
Output Characteristics	Rated Output Voltage	12V
	Rated Output Current	2.5A
	Rated Output Power	30W
	Output Voltage Accuracy	(11.5-12.5V)
	Output Ripple & Noise	≤300mV
Input Characteristics	Input Voltage Range	200VAC-240VAC
	Input Frequency Range	50-60HZ
	Input Current	≤0.22A(200-240VAC)
	Surge Current (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	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
Environmental Characteristics	Working Temperature	-20℃~+45℃	
	Working Humidity	45%~85%	
	Storage Temperature	~35℃~+65℃	
	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、 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	0.147 kg	

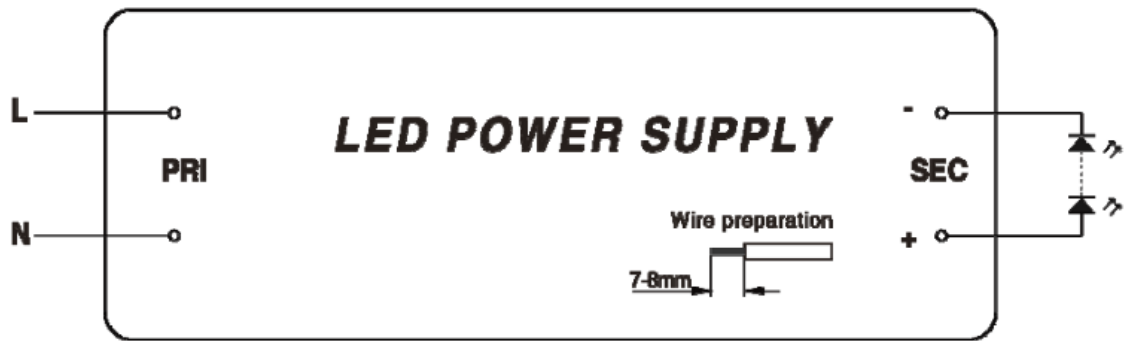
Remarks:

- ① Test environment temperature : 25 ± 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



### 3、 Laybel Drawing:

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		<p><b>LMNV-30-12</b> <b>LED POWER SUPPLY</b></p>	<p>Prim.:200-240VAC,50/60Hz, <math>\lambda &gt; 0.9</math>                  Sec.: 12VDC,Max.2.5A <math>t_c</math> 30W  <math>t_c:80^{\circ}\text{C}</math> <math>t_a:45^{\circ}\text{C}</math></p>	

#### 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: 7.2(1±10%) kg;

4、(GW) / Gross Weight: 8.90(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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