



**LUMINGLITE**

Lumilite Lighting Tech. Co., Ltd.

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# Specification

**Model:** LMWV-100-12

**Description:** Input: 200-240Vac, Output: 12Vdc, 8.3A, LED Driver

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

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

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

**Approved by:** \_\_\_\_\_

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


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# Specification

<b>Product Name:</b>	LED Driver	<b>Applications:</b> Applicable occasions: Indoor、Outdoor
<b>Model:</b>	LMWV-100-12	
		<b>Features:</b>
		<ul style="list-style-type: none"> <li>1、 Wide voltage input.</li> <li>2、 Working temperature range -25℃~+50℃.</li> <li>3、 With OCP、 SCP protection function.</li> <li>4、 Through the FCC、 CB、 CE、 TUV Mark、 RCM、 IP67、 RoHS</li> </ul>
		<b>Installation:</b> screws for fixing.
		<b>Warranty:</b> 5 years.

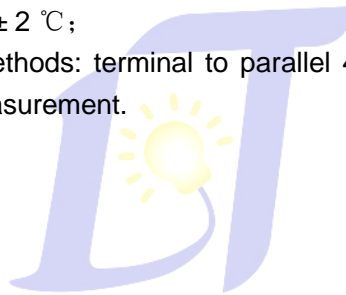
## 1、产品参数/ Product Parameters:

Output Characteristics	Rated Output Voltage	12V
	Rated Output Current	8.3A
	Rated Output Power	100W
	Output Voltage Accuracy	±5%(11.5-12.5V)
	Output Ripple & Noise	≤600mV
Input Characteristics	Input Voltage Range	200VAC-240VAC
	Input Frequency Range	50~60HZ
	Input Current	≤0.7A(200-240VAC)
	Surge Current (cold start)	46A @230VAC
	Power Efficiency	90%
	PF	>0.95
Protective Characteristics	Over-Current Protection	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	Short-Circuit Protection	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	Over-Voltage Protection	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	Over-Temperature Protection	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Environmental Characteristics	Working Temperature	-25℃~+50℃
	Working Humidity	10%~95%RH
	Storage Temperature	~35℃~+65℃
	Storage Humidity	10%~95%RH
	IP Rating	IP67

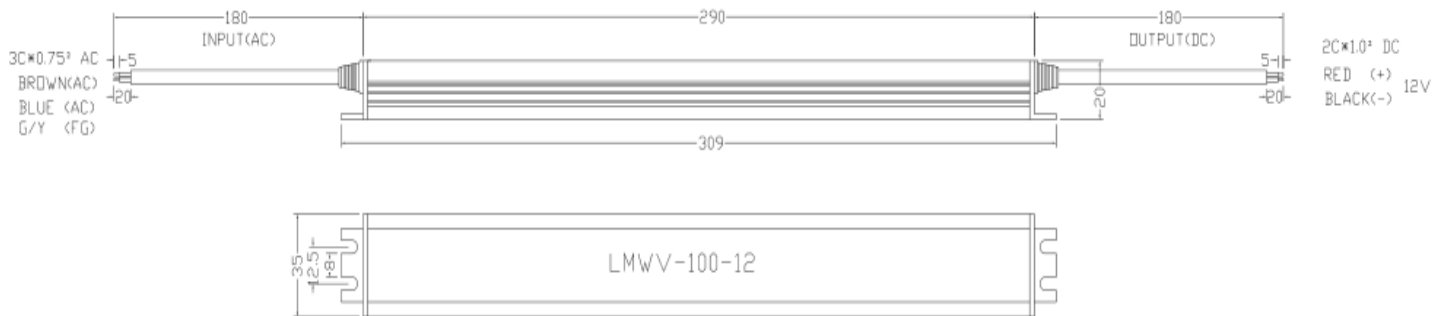
	Vibration	10~500Hz, 1.0mm, 15 minutes (for X、Y、Z each axis)	
Safety and EMC	Safety Standard	Design refer to UL/cUL、 FCC、 CB、 CE、 TUV Mark、 3C、 RCM、 IP67、 RoHS	
	Dielectric Strength (Hi-Pot)	I/P-O/P	3.75KVAC/ 10mA/ 3S
		I/P-Case	1.5KVAC/ 10mA/ 3S
	Insulation Resistance	100MΩ / 500VDC/ 3S	
	Grounding Resistance	≤0.5Ω	
EMC	Design refer to FCC part 15classB EN55015		
Other Characteristics	MTBF	50Khrs. MIL-HDBK-217F(25°C)	
	Size	309*35*20mm(L*W*H)	
	Weight	0.44 kg	

Remarks:

- ① Test environment temperature :  $25 \pm 2$  °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:



Cable(Black)

Cable(white)

3、 Laybel Drawing:

L Brown G/Y G N Blue	<b>LED DRIVER</b> MODEL No: LMWV-100-12 PF>0.95 Constant Voltage Type	Po:100W SELV For LED Only Suitable For Wet Locations	<table border="1"> <tr> <td>Input Voltage</td> <td>200-240V~ 50/60Hz</td> <td>Output Voltage</td> <td>12V<sub>DC</sub></td> </tr> <tr> <td>Input Current</td> <td>0.7A Max</td> <td>Output Current</td> <td>8.3A</td> </tr> </table>	Input Voltage	200-240V~ 50/60Hz	Output Voltage	12V <sub>DC</sub>	Input Current	0.7A Max	Output Current	8.3A		Red (Brown) "4" Black (Blue) "5" MADE IN CHINA
	Input Voltage	200-240V~ 50/60Hz	Output Voltage	12V <sub>DC</sub>									
Input Current	0.7A Max	Output Current	8.3A										
50°C ta: 50°C 85°C tc: 85°C			Five-pointed star IP67 CAUTION: 1. Do not open the product housing in heat source or flammable materials. 2. Always install in a well-ventilated area. 3. Do not touch the connected wires if it is working.										

#### 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: 336\*29\*37mm
- 2、 (QTY)/ Quantity: 50pcs; Total 5 layer, each layer 10 pcs.
- 3、 (NW) / Net Weight: 22.0(1±10%) kg;
- 4、 (GW) / Gross Weight: 22.54(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.

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- 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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