Product Specification

Product Name 50W Flood Light

Product Spec LD-FL-50W-CL4

Date 2015-03-30 Version REV 1.0



Approve Review Editor

Add:A5 Building, Luoshan Industrial Park, Shanxia Village, Pinghu Town, Shenzhen, China

Tel:+86 755 84660522 / 89690533

Fax:+86 755 84660122

Web: www.lead-lighting.com

1 Product Description:

- Integrative means of heat dissipation on the light's shell, with novel and decent design.
- High pressure die-casting aluminum lamp body with compact structure, waterproof, dust-proof and corrosion resistance.
- Driven by low voltage and constant current, with safe and stable performance.
- Using COB as light source with low light decay, low power consumption, high efficiency, energy saving and environmental protection.
- Simple and convenient installation.

2. Applications

Widely used for billboard, lighting project, square, building outer wall, indoor lighting, factory lighting and so on.

3. Product Specifications							
Product Spec.	LD-FL-50W-CL4- SMD	Storage temperature	-40∼85°C				
Certifications	CLASS I	Overall dimension	305*295*60mm				
Certificte No.	1	Rdiator dimenstion	1				
IP Class	IP65	Material	Aluminum alloy				
Surface Color	Grey/Black	Weight	2.41kg				
Humidity	5 ∼95% R.H.	Lifespan	≥50,000H				
Working Temperature	-20∼55°C	Quality Assurance	2-3 years, <3% within 3000Hrs				



4. Electronic Specification Testing Condition (Testing under 220V/50Hz)						
Input Power	50W	Input Voltage	AC 85∼265V			
Input Current	0.227A	Power Factor	>0.9			
Output Power	43.5W	Output Voltage/ Current	DC 70-85V 0.6A			

Frequency

 $47 \sim 63$ Hz

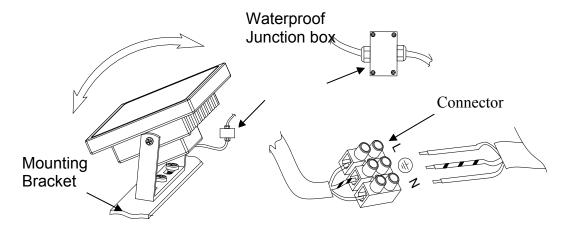
Driver efficiency

>0.87

5. Optic Spec (Tolerance ± 10%, except assigned items) **Curve of Light Distribution** Item Unit Typ. 120° Luminous Flux lm 4250LM CBCP(50%) cd 422 Light efficiency Im/W 85LM/W **Effective illumination** CRI ≥75 120° CCT/Waveleng th K/nm 2700K-7500K 4.400 H.O. 4.600 G Color Tolerance SDC M -1870 Lux 1 m <5 467.4 Lux 207. 7 Lux 120 3m Beam Angel 4m-116. 9 Lux 96PCS/2835SM 74. 79 Lux LED Spec. D

6. Temperature Test (Unit: °C)								
LED Solder Point (Tsp)	63.2	Surface of Heat Sink	(Ths)	58				
Testing Ambient Temp. (Ta)	30°							

7. Installation Introduction



- 1. Cut off the power.
- 2. Check fittings, get installation tools ready.
- 3. Fix lamp on stand as the installation pictures show..
- 4. Lock screws with a wrench, and adjust the irradiation direction of the lights
- 5. Ensure water proof and moisture proof when outdoor use, waterproof junction box is suggested when wires connected, please refer to the installation pictures
- 6. Adjust angle and fix, connect to the power after checking without problem

8. Notice

- For safety, please ask professionals to install, repair and check. Operate by Nonprofessionals is dangerous
- Should use with specified driver.
- ◆ For fixtures safety, please don't install them on high temperature and damp places. At least 75mm ventilation space will be asked for cooling.
- ◆ Uncover with insulation blanket and other similar things all the time.
- Please notice the glasses when install and dismantle.