

Technical Specifications

T1F Type LED Street Lamp



Product Feature

- Using the whole structure cooling technology, obtain efficient cooling performance;
- Double coupling technology to achieve IP68 protection level, ultra high waterproof dust capacity
- “Ultra Robust” Technology, single damage, other particle distribution of current constant
- Useing flip chips technology for LEDS to avoid bolt die lamp risk
- Human learning efficacy with light, realization, intensity of illumination and equality of brightness road lighting effect.

Application

- Street lighting, Park lighting, Road lighting



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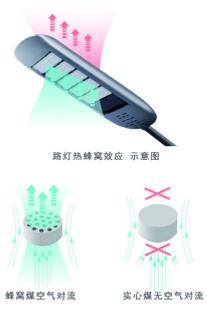
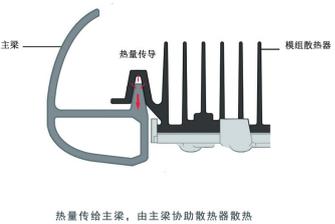
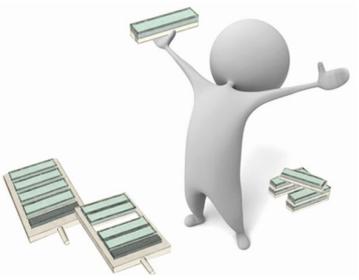
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Product No.6



Advantage of Technique

 <p>路灯热蜂窝效应示意图</p> <p>蜂窝煤空气对流</p> <p>实心煤无空气对流</p> <p>Thermal cellular effect of heat dissipation Imitate the honeycomb briquet, the cooling principle of solid coal because of the center are not exposed to air, burning slow and inadequate, after do the hole in the center, as a result of air convection, fast burning, it is burning hot honeycomb effect. Similarly to originally the whole radiator break up into each module, using thermal cellular effect, make the air convection, fully through the space between the module and quickly take away heat, can decrease the temperature of 20 °C or so.</p>	 <p>主梁</p> <p>热量传导</p> <p>模组散热器</p> <p>热量传给主梁, 由主梁协助散热器散热</p> <p>Whole structure of the cooling Originally only play a supporting role is clever use of stents, make its thermal conductivity stent, give was the module heat conduction structure effect of lamp shell, make its radiator cooling assist module, structure surface area make full use of rise, to participate in the transfer heat to the air.</p>	 <p>Simple tool maintenance With special structural design, make lamps and lanterns of components (mainly module and power supply) can tear open outfit using simple tools, humanized considering the installation environment are all high altitude general high-power lamps and lanterns, starting from the convenience and safety, as far as possible with the aid of tools.</p>
 <p>火炉</p> <p>Double coupling IP68 protection Avoid screw structure was designed to avoid penetration of water vapor through the screw hole, bidirectional silicon rubber circle will completely cut off from the outside world LED lamp bead, put an end to all the water vapor erosion or other harmful gas lamp bead and PCB. This product through the strict test, in addition to ordinary underwater testing, also can pass 100 °C boiled water boiling red ink test, dual protection, more than 30 minutes each have to undergo the test of boiled water test, after boiling, immediately in the room temperature of cold water, use cold snap to assess its waterproof ability. Dual protection to undergo more than 3 hours 6 cycle with boiled water and the quenching test.</p>	 <p>LUMILEDS</p> <p>LUXEON TX</p> <p>High-Efficacy, Illumination</p> <p>Grade LED light source</p> <p>High photosynthetic efficiency of LED light source This module USES Lumileds LUXEON TX series lamp bead. This series of lights, has the following features: single high luminous flux, forward voltage Vf value lower (average in 2.8 V @ 700 ma), low thermal resistance (an average of 3 k/W), to fully meet the strict requirements of lighting. The product through a series of reliability test verification, to ensure its within the rated the use of the environment, and the lamp bead Tj junction temperature of 85 °C or less thermal environment can work steadily.</p>	 <p>Free combination Watts composed free to according to the different requirements of power wattage of tie-in and different number of modules, the lamps and lanterns of freely combine the different power.</p>

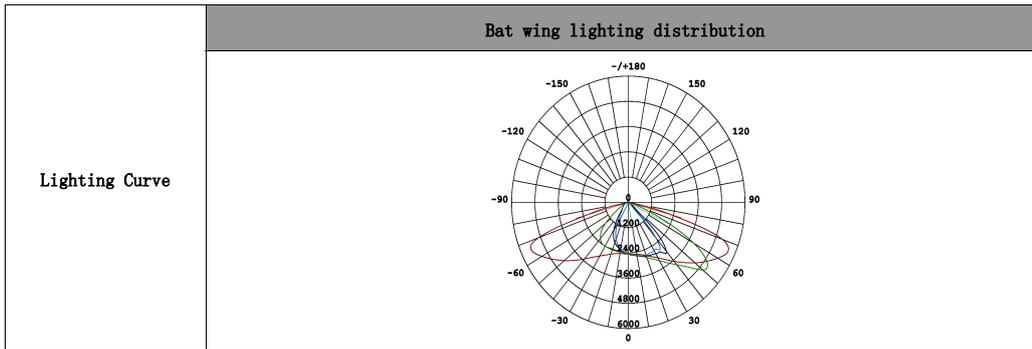
Photoelectric parameters specifications

No.	Input Voltage (V)	Current (mA)	Power(W)	Light effect (lm/W)	Luminance (lm)	PF	Driver effect	Lighting Curve	LED chips	CCT (K)	CRI
T1F	AC200-240	700	30	105±5	3150±150	0.95	88%	Bat wing distribution	Lumileds Luxeon TX	3000 4000 5000 5700	>70
	AC100-277	700	40	105±5	4200±200						
		860	50	100±5	5000±250						
		1050	60	95±5	5700±300						

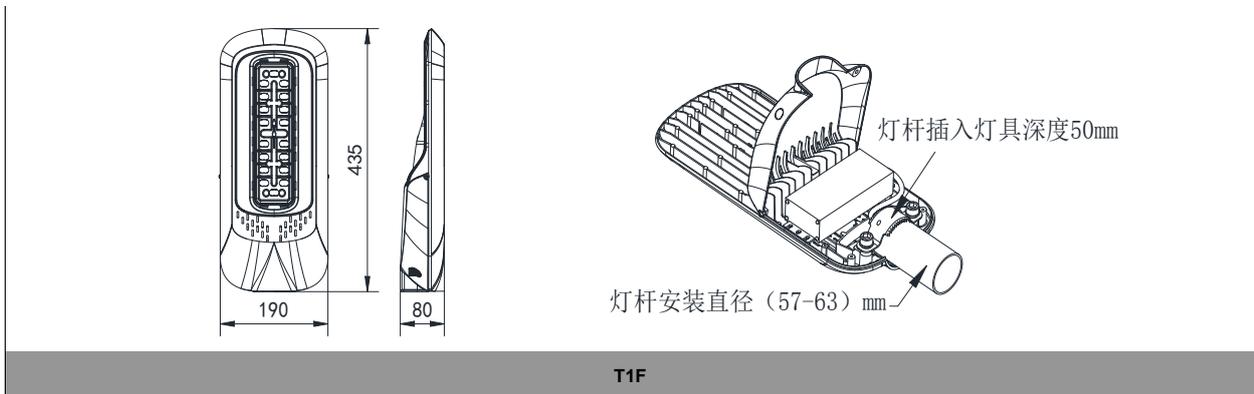
Work environment and packaging information

No.	Working Environment	Storage temperature	Life time (h)	House material	Install Aperture (mm)	Product dimensions (mm)	Packing size (mm)	NW(kg)	GW (kg)
T1F	-40℃~+50℃ 10%~90%RH	-40℃~+50℃	>50000	Aluminum	57~63	435*190*80	490*250*145	2.65	3.19

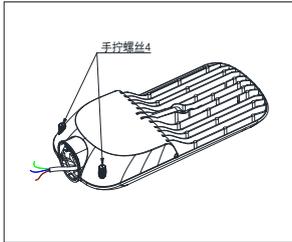
Lighting Curve



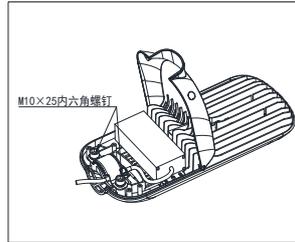
Product drawing



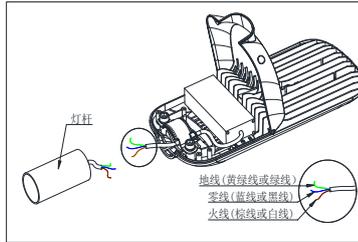
Installation instructions



1. 拧开2颗手拧螺丝4，打开上盖

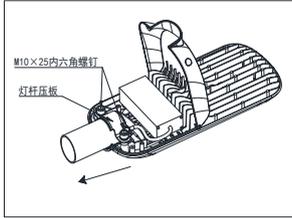


2. 拧松灯杆压板上2颗M10×25内六角螺钉

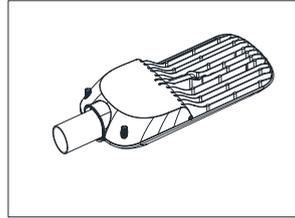


3. 将电源输入线与灯杆中的火线、地线、零线相接，并保证地线可靠接地

如何判断是否可靠接地：
用万用表电压档测量，红笔接火线，黑笔分别接零线和地线，若电压值一致，则接地可靠，否则为不可靠。

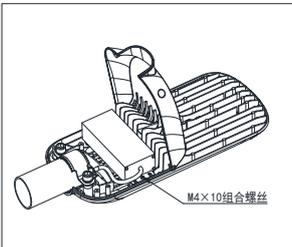


4. 将整灯沿箭头方向将灯杆套入灯杆压板内，拧紧压板上2颗M10×25内六角螺钉固定灯杆

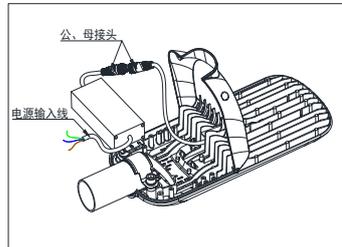


5. 合上上盖，拧紧2颗手拧螺丝4

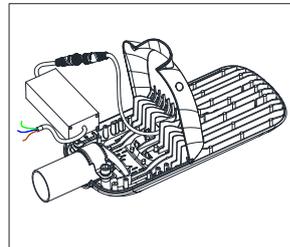
Maintenance of power supply



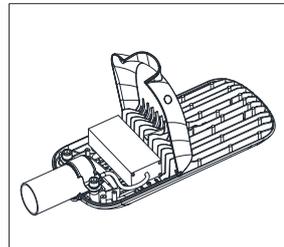
1. 在打开上盖后，断开电源输入线，拧开电源两侧2颗M4×10组合螺丝；



2. 移开电源，拧松公、母接头，卸下已损坏的电源。

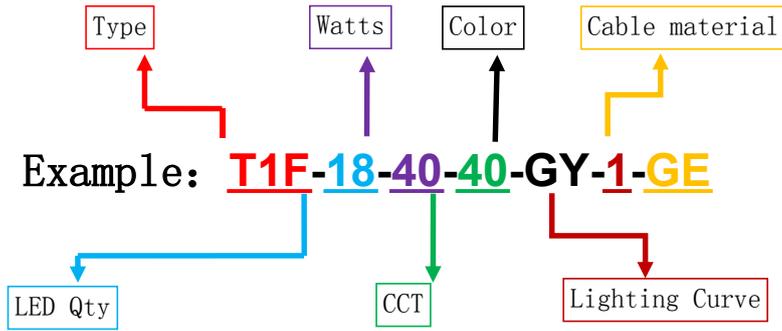


3. 取出替换电源，拧紧公、母接头，连接电源输入线；



4. 整理好电源线，用2颗M4×10组合螺丝将电源固定在下壳对应位置，完成后闭合上盖。

Product Item No.



No.	LED Qty	Pwoer (W)	CCT	Color	Lighting distribution	Cable standard
T1F	14 18	30/40/50/60 w	30=3000K 40=4000K 50=5000K 57=5700K	GY=Grey	1=Bat wing distribution 2=Big distance distribution	GB=China Standard CE=EU Standard UL=North America standard