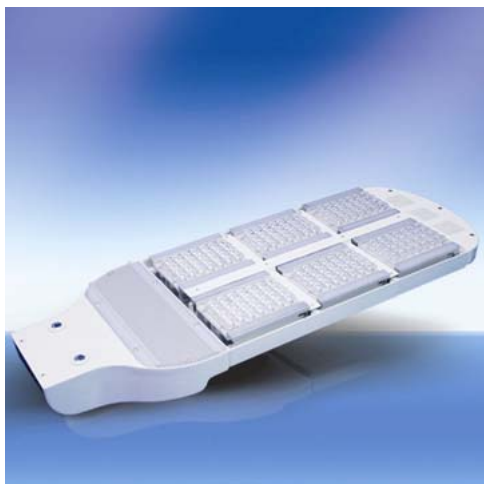


LTHS6 – High Power LED Streetlight



Features / Benefits

- ▼ **Low Power Consumption** - 168W
- ▼ **High Brightness** - Up to **12,600 Lumens**, **LASTS UPTO 8 TIMES LONGER** than the traditional lamps.
- ▼ **Long Life** - Up to 50,000 Hours, The PWM constant current module protects the LEDs efficiently.
- ▼ **Robust Design** - Shock and vibration resistant
- ▼ **Light Beam** - Low heat generation with No UV, The integrated lamp cup & radiator, scatter heat quickly
- ▼ **Easy Installation** – With the adjustable hoop clamp, this unit is very easy to install on any kind of lamp pole.
- ▼ **Save Money** - Reduces labor and maintenance costs
- ▼ **High Efficiency** – Power Factor>90%, THD<9 "Full Cutoff"

Specifications:

1	Revolutionary Photometric Design-The world's first dedicated optical system (rectangular beam focusing lens): Gives excellent control of the light distribution, spot rectangular beam pattern, and ensure an ideal uniformity of brightness on the road surface, eliminate the glare and helps to keep the LED lighting efficiency on a high level, with no extra light pollution. This is a "Full Cutoff" fixture.
2	Unique Integrated Lens and Lampshade Design: Arrayed Lens play a protective and spot light role, avoid wasteful duplication of light and reduces the overall loss of light, also reduces the weight of the product and enables a simplified structure.
3	Creative Design of the Radiator and Lamp holder Integration: Fully protects LED life and its heat dissipation requirements through its sleek and well designed radiator made of billeted aluminum.
4	Unique Thermal slide-shell design, disassembled with simple and convenient combination: Slide lights with composite shells, the installation forms dynamic, simple and convenient combination lamps. Easy for dismantling and maintenance, save maintenance costs.
5	With thin and slim appearance, reduces the wind force effects and weight, decreases the lamp pole load, enhances the safety factor.
6	Intelligent current control, achieve the precision constant current: Each LED module implements an intelligent current control, whenever network power fluctuates, it is able to maintain a constant current which ensures the LED's continuous uninterrupted operation.
7	No Adverse Glare: Eliminate the glare caused by ordinary HPS lights glare and visual fatigue and related sight interference, improve driving safety, incidence of traffic accidents, fully embodies the spirit of "People-oriented Technology" in this product;
8	NO light Pollution: Light distribution controlled strictly and will not bring any light out of the intended illumination area.

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9	No High-voltage, No Dust Adsorption: Eliminates High Voltage, self cleansing of dust which can cause the lenses to become dark over time.
10	No High-temperature, No Aging and Yellowing of Lenses: Eliminates the baking which causes traditional lenses to turn yellow over time which can lead to a shortened life expectancy and a gradual decrease in the apparent brightness;
11	Wide Working Voltage: For the traditional light source such as the High Pressure Sodium, if the voltage fluctuates just $\pm 7\%$, the brightness and lifetime will be reduced very quickly, but for LTHS LED, even large voltage fluctuations of $\pm 20\%$, the brightness and lifetime will not be influenced at all.
12	Start Without Delay: Reaches the normal brightness instantly with no delay when switched on, eliminates long startup time of the traditional HPS street lights.
13	No Strobe Flashing: Eliminate the visual fatigue which caused by the strobe lights of the traditional tunnel lamps;
14	Impact Resistance, Shock-proof, Without Ultraviolet (UV) and Infrared (IR) Radiation: No filaments or glass lenses, avoid breakages associated with the traditional lamps. Less danger for maintenance workers.
15	High Color Index, Nice Coloration: Lighthouse LED Street Lights show truer colors and are noticeably clearer and brighter in their illumination.
16	Multiple Color Temperature Options: Color temperature to meet the needs of different occasions, the low color temperature of the sodium lamp is eliminated which caused a depressed mood, observers will feel more comfortable.
17	Tremendous Energy Saving: Using the ultra high power, high brightness LED light source ,together with the high power efficiency power supply, Lighthouse LED Street Lights can save energy by 50%-80% over the conventional HPS and mercury vapor incandescent lamps.
18	Long Life, Up to 50,000 Hours: (Working for 10 hours a day, can be used for more than 13 years), This is 5-10 times the working life over a traditional HPS sodium or mercury vapor incandescent lamp;
19	Green and Environmental Protection RoHS Compliant: Means no Lead, Mercury or Cadmium is used in the soldering process. No environmental pollution.
20	Universal Input Voltage-85-264vAC full voltage range constant, constant-current PWM technology, high efficiency, low-heat,with low current.
21	No Pollution to Power Network: Power factor ≥ 0.9 , THD $\leq 20\%$, EMI applied with a global universal index, reduces the power loss to transmission lines and helps to avoid contamination of the network with high frequency interference associated with traditional incandescent street lights.
22	Work under Low-voltage and Low-Heat, Safe and Reliable: LED junction temperature can be controlled under an ideal temperature ($T_J < 60^\circ\text{C}$ $T_a = 25^\circ\text{C}$ ambient temperature);
23	Perfect Combination With solar Energy: Takes full advantage of the LED's low working voltage according to the local solar energy companies, electricity and solar power can easily be combined to achieve the best cost performance and high reliability for customers.
24	High Luminous Efficiency: LED luminous efficiency of the existing condition is $\geq 80\text{lm/w}$, with the rapid increase LED brightness, lighting power will be further reduced, and energy efficiency will be obvious, when the luminous efficiency reach 150lm/w , the 400W high pressure sodium lamp will be replaced by the 80w LED Streetlight. And we believe the LED luminous efficiency will reach 300lm/w at last, then it will have a tremendous energy saving result.
25	Have a number of patents for inventions and utility model patents.

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Technical Parameters

Model Number	LTLHS6		
Input Voltage	85-264VAC		
Frequency Range	47~63Hz		
Power Factor(PF)	>0.9		
Total Harmonic Distortion (THD)	<20%		
Power Efficiency	85%		
Working Voltage	24VDC		
LED Consumption	168W		
Power Supply Consumption			30W
LED Luminous Efficiency	≥80lm/w		
LED Initial Flux	15,000lm (Tj=25°C)		
LED Maintain Flux	14,000lm(Tj=60°C, Ta=25°C)		
Lamp's Flux	12,600lm(Tj=60°C, Ta=25°C)		
Lamp's Efficiency (%)	>90%		
Illumination (E)	(Height=6m)≥80Lux (Replace Sodium light of 200Lux) (Height=8m) ≥45Lux (Replace Sodium light of 113LuxX) (Height=10m) ≥28Lux (Replace sodium light of 70Lux) (Height=12m) ≥20Lux (Replace sodium light of 50Lux)		
Effective Illuminated Area	(Height=6m): 20 x 8m (Height=8m): 26 x 10m (Height=10m): 33 x 13m (Height=12m): 40 x 16m		
Color Temperature	Pure White: 5,000~7,000K; Warm White :3,000~4,000K		
Color Index(CRI)	Ra>75		

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Light Source	LTHS Emitter (1Watt)
Light Distribution Curve/Beam Pattern	Asymmetric (Bat Wing)/ Rectangular Beam
The Highest Light Intensity Angle	120°:The Horizontal Axis:110°, The Vertical Axis:45°; 140°:The Horizontal Axis:130, The Vertical Axis:45°
Beam Angle	120°:The Horizontal Axis:110°, The Vertical Axis:45°; 140°:The Horizontal Axis:130, °The Vertical Axis:45°
Junction Temperature(Tj)	60 °C ±10 % (Ta=25°C)
System Resistance (Rja)	0.19°C/W
Working Temperature	-30 ~ 50
Working Humidity	10%~90%
Storage Temperature	10 ~85
Working Life	50,000 Hrs
Light Body& Lampshade	Aluminum Alloy and PC
The Dimensions(Units:mm)	890(L) x 315(W) x 90(H)
Net Weight	13 Kgs
IP Rating	IP65
Packing	1 pc /Carton
Carton Size	960 x 400 x 205 mm
Container Q'ty (pcs)	20'Q: 352 pcs 40'Q: 715 pcs, 40'HQ: 845 pcs
Warranty	12 Months



Lighthouse WorldWide, LLC
The Right Light

70 Raton Drive. Suite E. Milford, CT 06461 USA
www.lighthouseww.com

P.203-283-5501 F.203-878-0458
info@lighthouseww.com

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Installation & Lighting Effects Pictures:



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