HPWINNER
HANGZHOU HPWINNER OPTO CORPORATION
Add.: No. 18, Kangzhong Road, Gongshu District, Hangzhou, 310015, China
Tel: +86-571-88399635 Fax: +86-571-89971205 www.hpwinner.com sales@hpwin.com

Specifications

Street Light T1C Series

Features

- Integrated housing heat dissipation technique, high efficient in cooling.
- Installing elevation adjustable within ±5°.
- Independent driver box with ventilated valve.
- Metal structure with built-in driver, easy-tool onsite maintenance;
- Double-coupling IP68 protection for module, highest waterproof and dustproof level;
- Ergonomic lighting distribution to achieve uniform illuminating effect;

Applications

- Street lighting, park lighting, roadway lighting, path lighting.



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Contents

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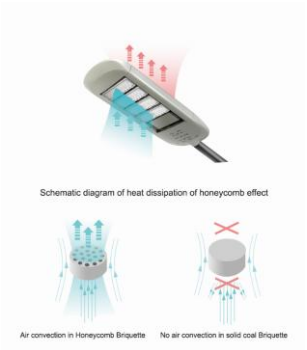
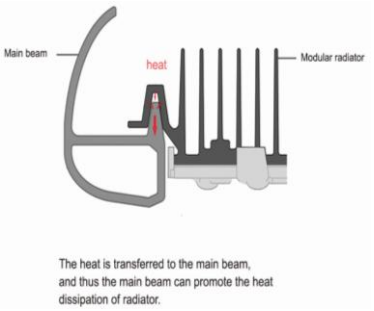
Special Technical Advantages of HPWINNER Modular Lights

<table>
<tr>
<td> 

Honeycomb Briquette effect
It simulates and adopts the burning principle of honeycomb briquette; it is easy to transform the original block of radiator to various modules, as well as to enable air to convect and fully pass through the gaps between modules by utilizing the honeycomb effect, thus to remove the heat rapidly, and reduce temperature by around 20 ℃.</td>
<td> 

Heat dissipation of the whole structure
It is available to make clever use of module bracket that only play a supporting role, and to transform it to a “thermal bracket” that is capable of conducting the module’s heat to the light shell as a structural part, thus to promote the cooling effect of radiator of cooling module, the design aims to fully utilize the surface area of structural parts to transfer heat to air.</td>
<td> 
Easy-tool maintenance
It uses special structural design to achieve the manual disassembly and installation of lighting components, in consideration that the high-power lights are generally installed in higher operating environment, the operators require as few tools as possible for their convenience and security.</td>
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Double-coupling IP68 protection
It adopts the screw-free structure to avoid the penetration of water vapor through the screw hole; its double silicon-rubber rings insulate LEDs with the outside environment completely, thus to eliminate any erosion to chips and PCB boards from outside.</td>
<td> 

High-efficacy LED Light source
It adopts Lumileds LUXEON T LED source with super efficacy and light output from a compat source. Optimized for efficacy driven applications with typical Vf: 2.7V and low thermal resistance: 3K/W. Specified, targeted and tested hot, at real world operating temperatures, Tj=85℃ to ensure in- application performance.</td>
<td> 
Free Serialization
It is available to freely equip with different numbers of modules to achieve different powers as required.</td>
</tr>
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Electrical and Photometric Specification

Model	Input Voltage (V)	Driving Current (mA)	Power (W)	Luminous Efficacy (lm/W)	Flux (lm)	Power Factor	Power Efficiency	Beam Angle	LED Brand	CCT (K)	CRI
T1C	AC200-240	700	30	105±5	3150±150	0.95	88%	Type I	Lumileds Luxeon T	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						

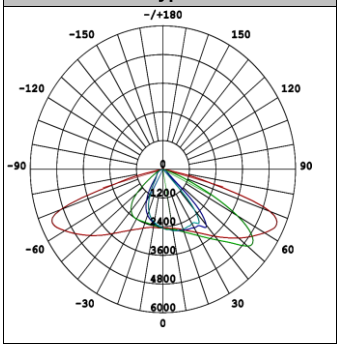
Mechanical and Environmental Specification

Model	Working Environment	Storage Temperature	Lumen Maintenance (h)	Housing Material	Pole Diameter (mm)	Product Size (mm)	Packing Size (mm)	N.W (kg)	G.W (kg)
T1C	-40℃～+50℃, 10%～90%RH	-40℃～+50℃	>50,000	Aluminum Alloy	57-63	580*240*105	655*290*165	3.98	4.82

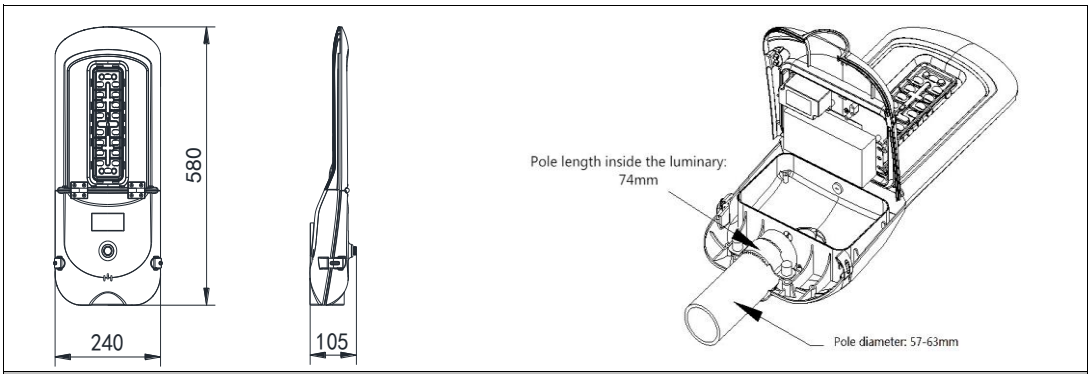
Lighting Distribution

T1S1502

IESNA Type I Short



Dimensions



T1C

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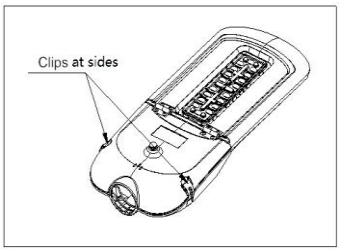
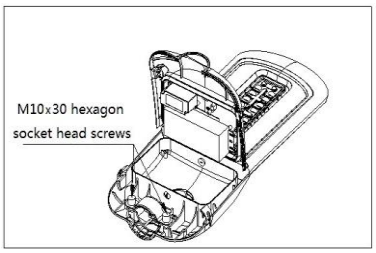
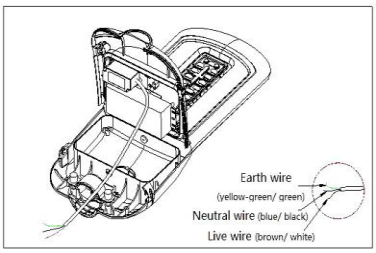
Installation



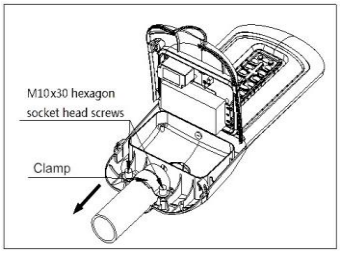


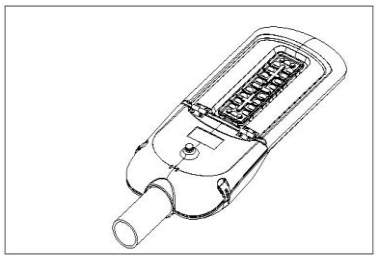


Whether the luminary is earthed sufficiently?

To test voltage with a multimeter.

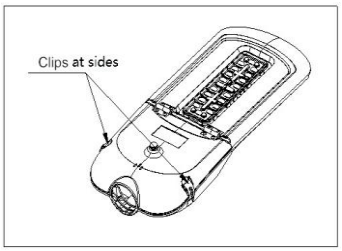
Red pen to live wire, and black pen respectively to neutral and earth wire. If the voltage values are the same, it is earthed sufficiently; otherwise not.

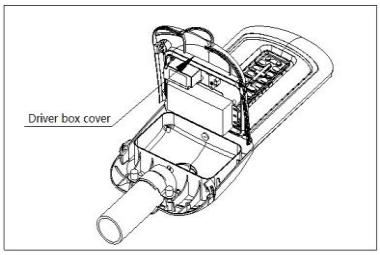


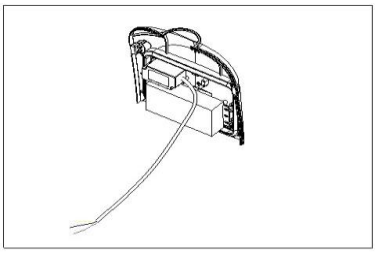


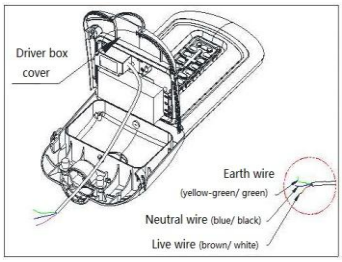
Step 1: *Loosen the clips at both sides and open the driver box cover;*
Step 2: *Loosen the two M10x30 hexagon socket head screws on the clamp;*
Step 3: *Connect the live, neutral and earh wires to the AC input (make sure it earthed sufficiently);*
Step 4: *Fix the luminary to the pole by plugging the pole into the clamp, and tighten up the M10x30 screws on it;*
Step 5: *Close the cover and lock it with the clips.*

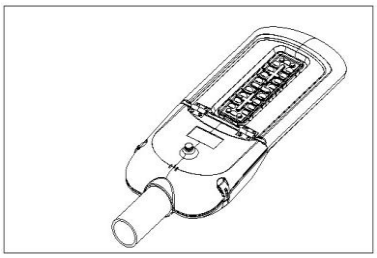
Driver Maintenance











Step 1: *Loosen the clips at both sides and open the driver box cover;*
Step 2: *Disconnect the wires for such as driver, photocell and earthing with a slotted point screwdriver, and take off the driver box cover for maintenance;*
Step 3: *Loosen the screws on the driver, replace the driver with a new one, and fix it by tightening up the screws;*
Step 4: *Connect the live, neutral and earh wires to the AC input (make sure it earthed sufficiently), and re-connect the wires for driver, for photocell and for earthing;*
Step 5: *Close the cover and lock it with the clips.*

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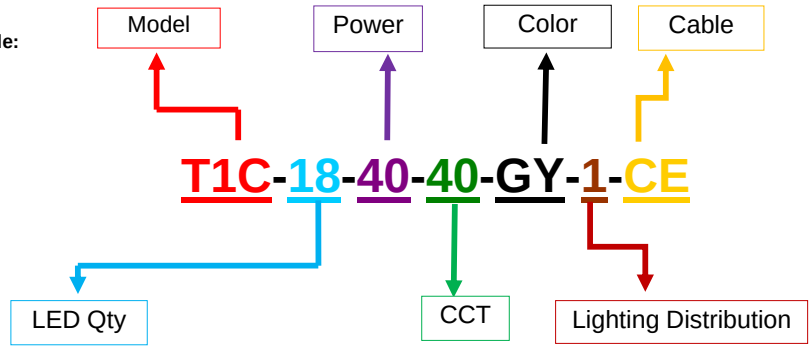
Ordering Information

For Example:



Model	Module Qty	Power	CCT	Color	Lighting Distribution	Cable
T1C	14 18	30/40/50/60	30=3000K 40=4000K 50=5000K 57=5700K	GY=Grey	1=T1S1502	GB=Chinese Standard CE=European Standard UL=North American Standard

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