

Specifications

Street Light T4B Series



Features

- Modular pluggable technology, easy-tool onsite maintenance;
- Honeycomb briquette burning effect and the whole structure cooling technology;
- Double-coupling IP68 protection for module, highest waterproof level;
- Ergonomic light distribution to achieve even illuminating effect;
- Free serialization and various power solutions.

Typical Applications

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



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Special Technical Advantages of HPWINNER Modular Lights

 <p>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 °C.</p>	 <p>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.</p>	 <p>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.</p>
 <p>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.</p>	 <p>High-efficacy LED Light source It adopts Philips 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°C to ensure in- application performance.</p>	 <p>Free Serialization It is available to freely equip with different numbers of modules to achieve different powers as required.</p>

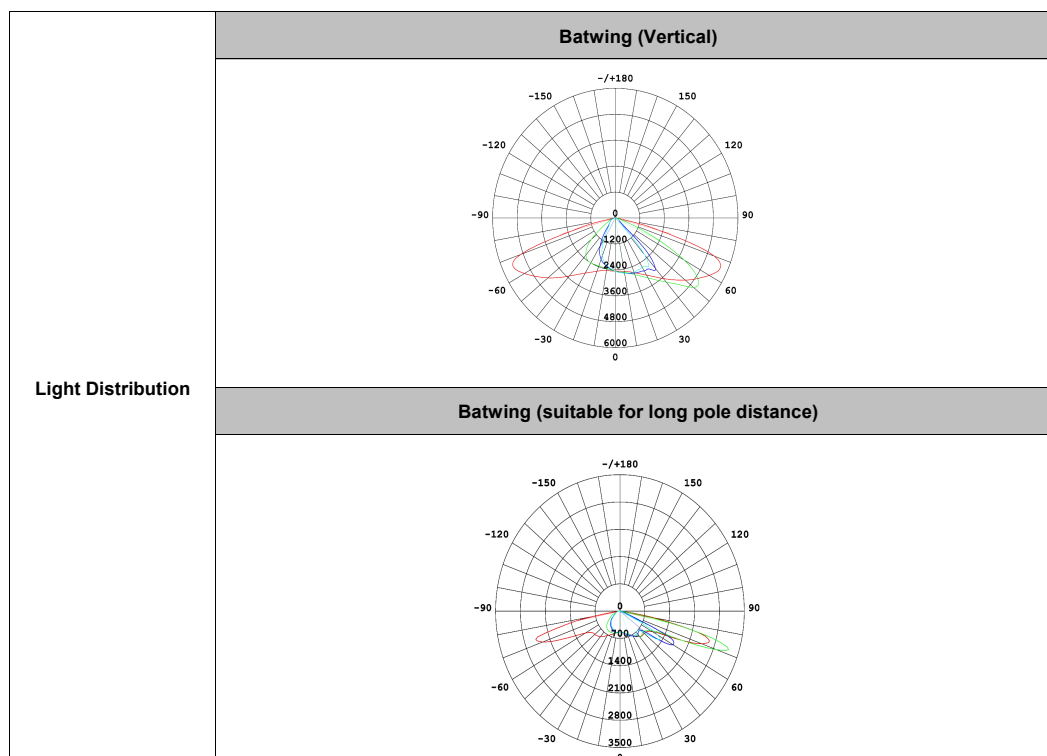
Electrical and Photometric Specification

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
T4B-1	AC100-277	700	40	100±5	4000±200	0.95	89%	Batwing	Philips Lumileds Luxeon TX	3000,4000, 5000,5700	>70
		860	50	95±5	4750±250						
		1050	60	90±5	5400±300						
T4B-2	AC100-277	700	80	100±5	8000±400	0.95	91%	Batwing	Philips Lumileds Luxeon TX	3000,4000, 5000,5700	>70
		860	100	95±5	9500±500						
		1050	120	90±5	10800±600						

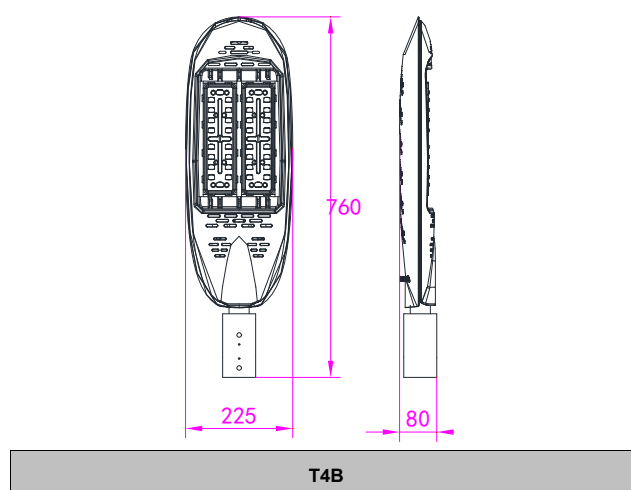
Mechanical and Environmental Specification

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)
T4B-1	-40℃~+50℃, 10%~90%RH	-40℃~+50℃	>50000	Aluminum Alloy	57-63	617*223*75	815*285*105	4.8	5.8
T4B-2						617*223*75	815*285*105	6.2	7.2

Light Distribution



Dimensions



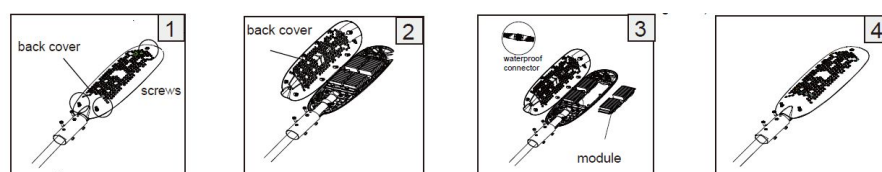
Installation



Step 1: Make the wires pass through the pole, and then tighten up the 4 screws at the tube;

Step 2: Connect the wires and the driver together with a waterproof connector. (The earth wire should be reliable and linked to the ground).

Maintenance



Step 1: Loosen the 3 screws on the back cover;

Step 2: Open the back cover;

Step 3: Disconnect the waterproof connectors and the screws at the ends to replace the failed module(s) with qualified one(s), then tighten up the connectors and the screws;

Step 4: Close the back cover and tighten up the 3 screws on the back cover.

Ordering Information

Model	Qty of Modules	Watt	CCT	Colors	Beam Angle	Power Cord
T4B	1 2	40/50/60 80/100/120	30=3000K 40=4000K 50=5000K 57=5700K	GY=Gray BL=Blue	1=Batwing	A=America Standard E=European Standard U=Australia Standard O=Other requirements