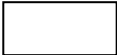




Application

- Garden/Park/Courtyard lighting
- Street/School/Residential area lighting

Standard Color

	White
	Gray
	Black


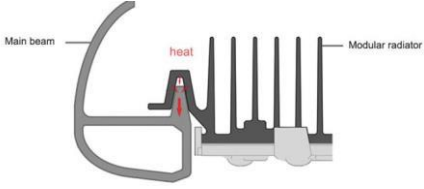

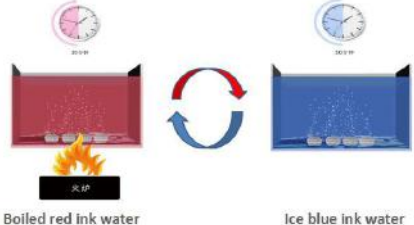




Features

- Honeycomb briquette burning effect and the whole structure cooling technology;
- Double-coupling IP68 protection, highest waterproof level;
- Modular pluggable technology, easy tool onsite maintenance;
- Intelligent constant current driving technology, long life span;
- All metal structure, built-in driver, easy for maintenance;
- Ergonomic light distribution to achieve uniform illuminating effect.



HPWINNER's Technical Advantages

		
<p>Air Convection Effect</p>	<p>Whole-structure Heat Dissipation</p>	<p>Tool-less Maintenance</p>
	 <p>LUMILEDS LUXEON TX Extreme efficacy and best performance with compatibility to LUXEON T LUXEON 3030 2D Hot color targeted 6V QFN package delivering high flux</p>	
<p>Double-coupling IP68 Protection</p>	<p>High-efficacy LED Light Source</p>	<p>Flexible Combinations of Modules</p>

Electrical & Photometric

- Adopt Lumileds LEDs

Model	Input Voltage (V) Frequency Range (Hz)	Drive Current (mA)	Power (w)	M1 ^①		M8		Power Factor	Power Efficiency	LED Brand	CCT (k)	CRI
				Luminous Efficacy (lm/w)	Lumens (lm)	Luminous Efficacy (lm/w)	Lumens (lm)					
GL1A	AC100-240 50/60	700	40	105±5	4200±200	120±5	4800±200	0.95	88%	Lumileds	3000	≥70
		860	50	100±5	5000±250	115±5	5750±250				4000	
		1050	60	95±5	5700±300	110±5	6600±300				5000	
											5700	

① For M1A module, Luminous Efficacy of 3000K is 5% lower than other CCTs.

- Adopt Customized Chips from World-leading Supplier

Model	Input Voltage (V) Frequency Range (Hz)	Drive Current (mA)	Power (w)	M16		Power Factor	Power Efficiency	LED Brand	CCT (k)	CRI
				Luminous Efficacy (lm/w)	Lumens (lm)					
GL1A	AC100-240 50/60	600 (9P2S)	30	150±8	4500±240	0.95	88%	Customized Chips from World-leading Supplier	3000	≥70
		600 (14P2S)	30	158±8	4740±240					
		800 (9P2S)	40	145±8	5800±320					
		800 (14P2S)	40	153±8	6120±320					
		1000 (9P2S)	50	138±8	6900±400					
		1000 (14P2S)	50	147±8	7350±400					
		1200 (9P2S)	60	130±8	7800±480					
		1200 (14P2S)	60	140±8	8400±480					

Working environment & Packing

Model	Product Dimensions (mm)	Outer Carton Size (mm)	N.W (kg)	G.W (kg)	Working Environment	Storage Temperature	IP Rating	LED Life Span (h)	Housing Material
GL1A-1	450*440*495	625*585*205 ^①	5.8	8.3	-40℃~+50℃, 10%~90%RH.	-40℃~+50℃	LED Module IP68 Power Supply IP67	>50,000	Metal

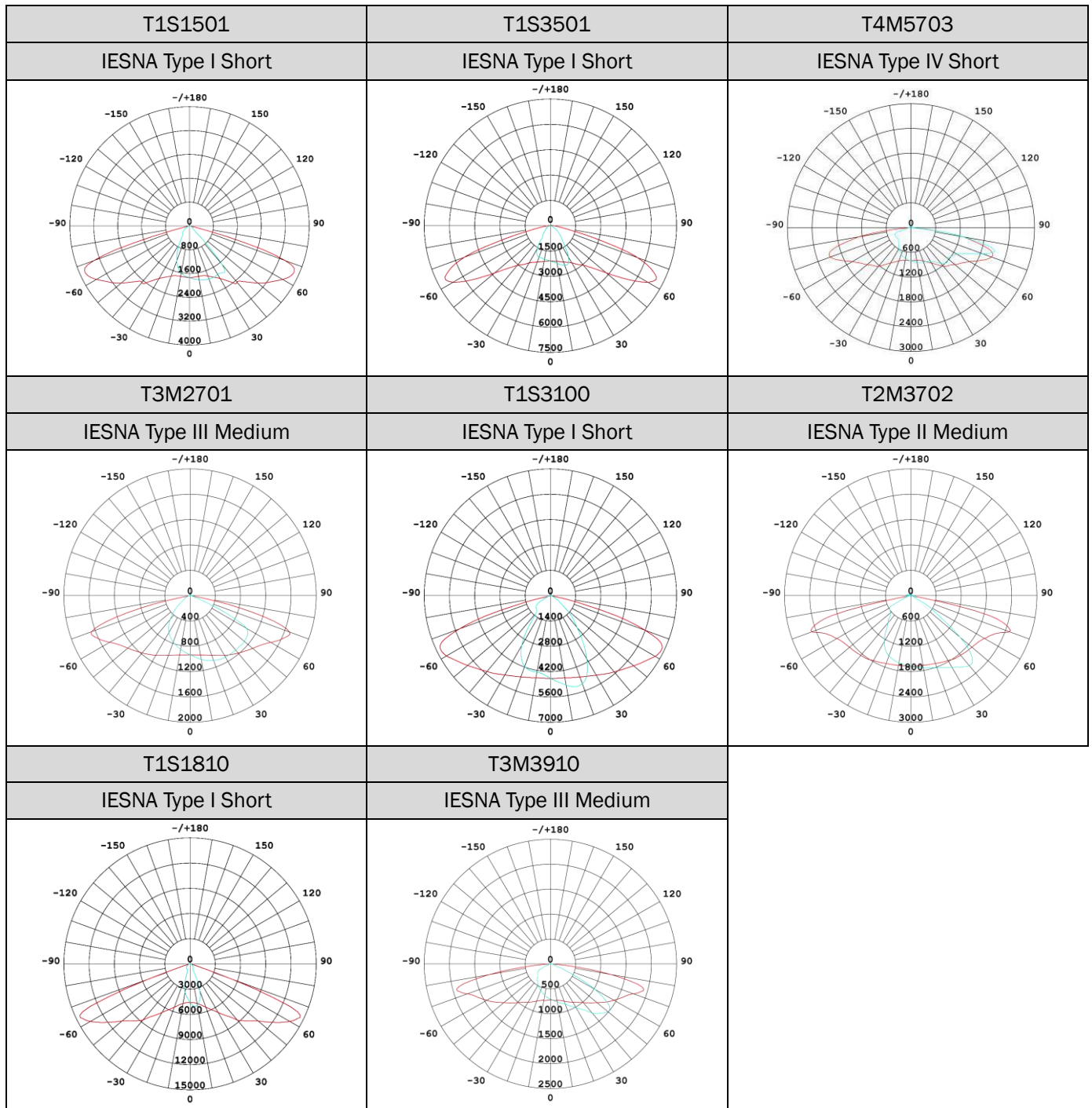
① This size are measured based on arm-unassembled packaging

Warranty

5-year limited warranty is standard on luminaire and components.

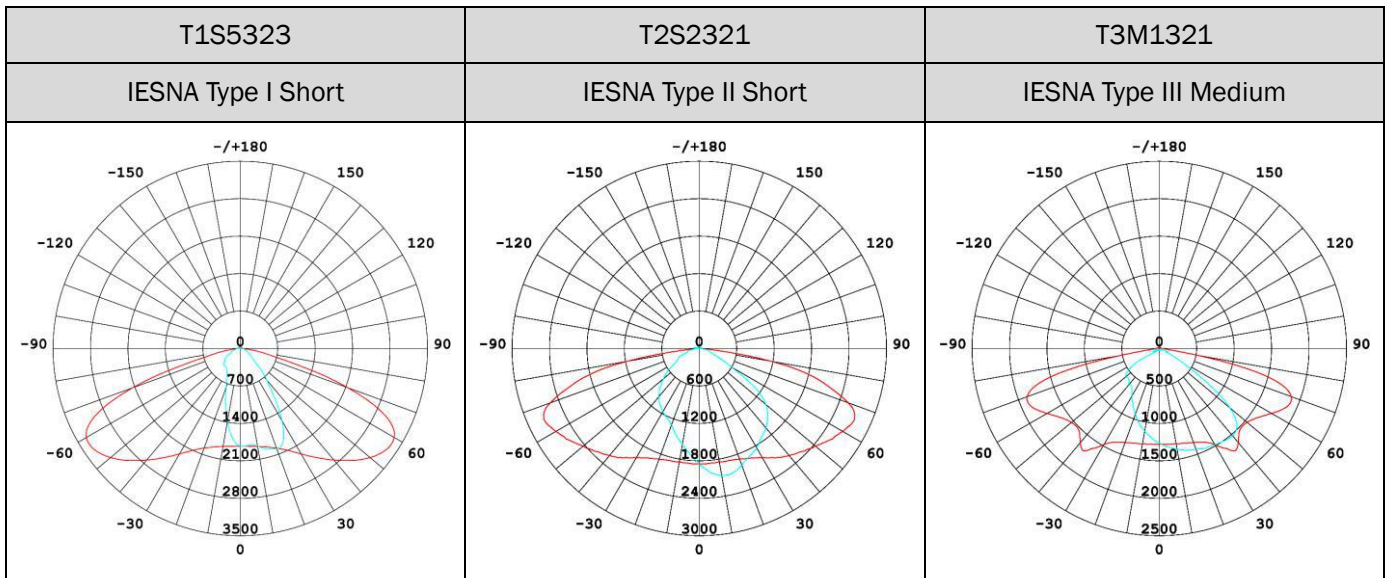
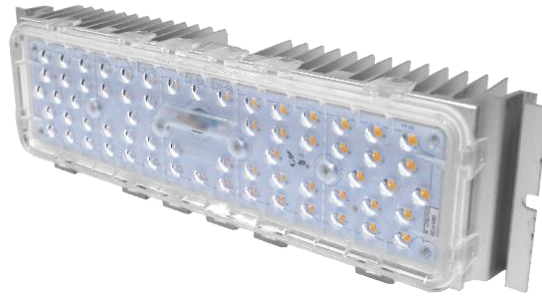
Light Distributions

- M1 Series Module



Light Distributions

- M8 Series Module



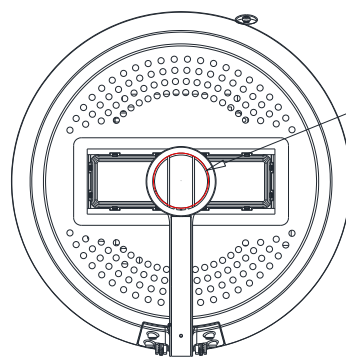
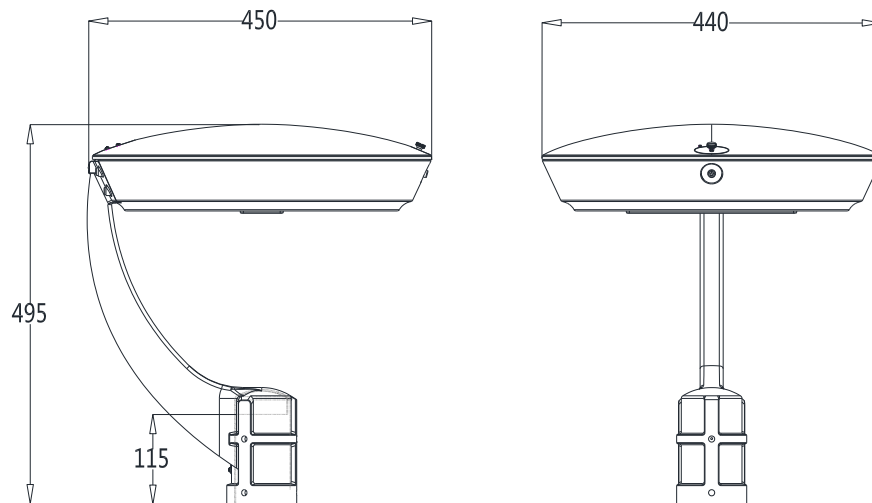
Light Distributions

- M16 Series Module








T2S3106	T1S1107	T2S2105
IESNA Type II Short	IESNA Type I Short	IESNA Type II Short
T2M2109		
IESNA Type II Medium		

Dimensions








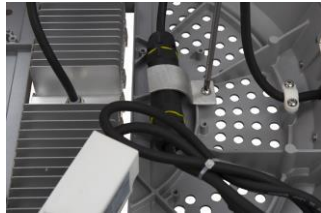



Mounting Diameter $\Phi 60-70\text{mm}$
Mounting Depth 112-122mm

Installation






			
<p>1. Put the wire through the bent arm.</p>	<p>2. Fix the bent arm to the luminaire with four M6x20 screws.</p>	<p>3. Put the wire through the light pole.</p>	<p>4. Connect to the AC power cable (make sure it sufficiently grounded).</p>
			
<p>5. Tighten up six M8x35 screws on the mounting base. Installation finished.</p>			

Maintenance

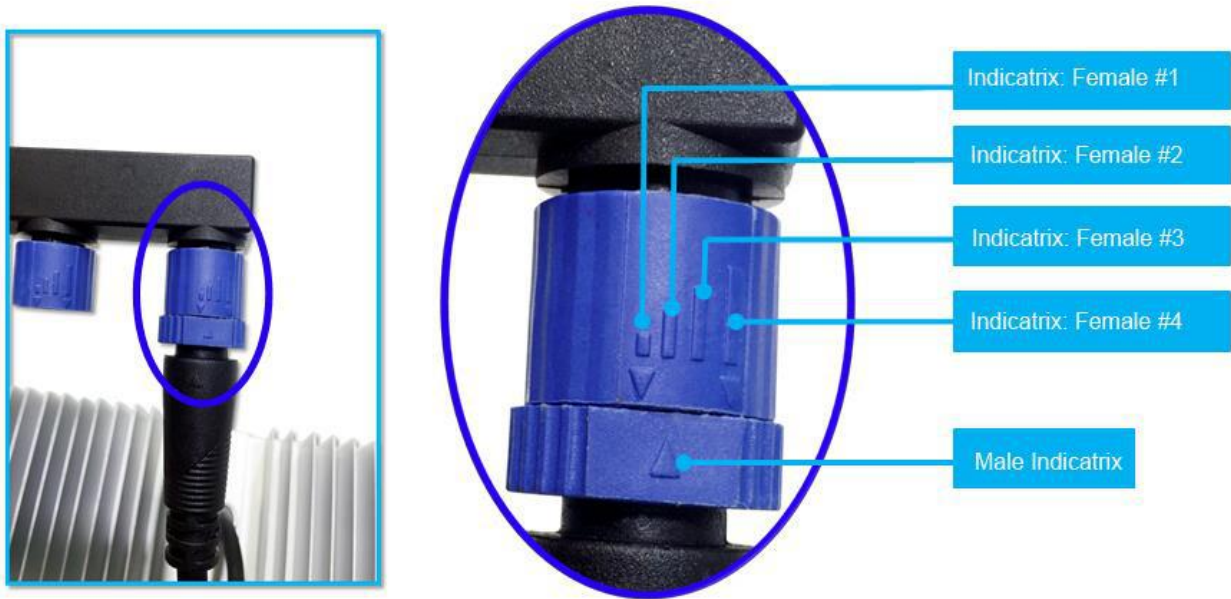
Driver & Electrical Parts

			
<p>1. Manually unscrew the screw on the top cover.</p>	<p>2. Disconnect the driver from the connector to modules.</p>	<p>3. Unscrew the two M4x6 cross recessed pan head screws at the ends of the failed driver.</p>	<p>4. Unscrew the two M4x6 cross recessed pan head screws on the end of surge protector.</p>
			
<p>5. Unscrew the M3x6 screw at the end of grounding wire of surge protector.</p>	<p>6. Unscrew the M4x6 cross recessed pan head screws on the clip.</p>	<p>7. Twist Off the two-way cable connector and unscrew the M4x6 screws inside.</p>	<p>8. Replace the failed driver set with a new one.</p>
			
<p>9. Connect and tighten up each part back step by step. Maintenance finished.</p>			

Module

			
<p>1. Manually unscrew the screw on the top cover.</p>	<p>2. Disconnect the module from the connector to driver.</p>	<p>3. Unscrew the two M4x10 screws on the end of failed module.</p>	<p>4. Replace the failed module set with a new one.</p>
			
<p>5. Connect and tighten up each part back step by step. Maintenance finished.</p>			

Connectors Operation Guide



Spin the male terminal clockwise. When the male indicatrix points between indicatrix female #2 and #3, and the gap between male and female terminals is extremely small, the connectors are well connected; otherwise, there will be risks in its waterproof performance.

When the gap between male and female terminals is extremely small, if any looseness can be sensed, please spin the male terminal clockwise until tight.

Ordering Information

Example: GL1AS-1-60-GY-M1L-3501-7-40-IN

Ordering Information	GL 1A 1 - 60 GY - M1 L 3501 - 7 40 - IN
	1 2 3 4 5 6 7 8 9 10 11
1. Luminary Type	T: Street light TS: Tunnel light TF: High bay light FL: Flood light GL: Garden light
2. Luminary Series	1A 1B 1D 1F 2A 2C 3A 3B
3. Module Qty	N: Non-modular luminary 1: 1 module 2: 2 modules 3: 3 modules 4: 4 modules
4. System Power	10: 10W 20: 20W 30: 30W 40: 40W 50: 50W
5. Housing Color	BK: Black WH: White GY: Grey SR: Silver BU: Blue BUWH: Blue top & White base BUGY: Blue top & Grey base OTH: Other
6. Module Series	Blank: Non-modular luminary M1: M1 module M2: M2 module M5: M5 module
7. LED Brand	X: Customized LEDs L: LUMILEDS C: CREE O: OSRAM N: NICHIA S: SAMSUNG
8. Lens Code	3501 3100 3702 3910 2701 5703 3040 1812 1412
9. CRI	6: ≥60 7: ≥70 8: ≥80 9: ≥90 OTH: Other
10. CCT	30: 3000K 40: 4000K 50: 5000K 57: 5700K
11. Driver Brand	MO: MOSO MW: MEAN WELL PH: PHILIPS IN: INVENTRONICS AD: ADAYO OTH: Other

*Ordering information is for reference only. Some product configurations are not available. Please consult Specifications for specific product availability and for further details.