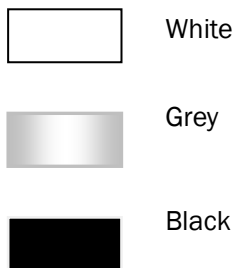


Application

- Gas station lighting
- Showroom & Convention center lighting
- Gyms & Parking lot lighting



Standard Colors


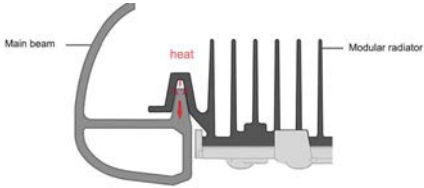

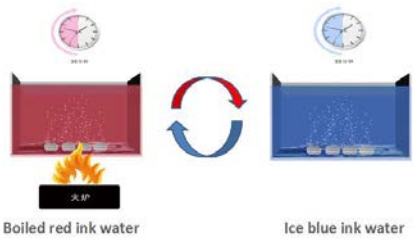




Features

- Honeycomb briquette burning effect and the whole structure cooling technology;
- Double-coupling IP68 protection, highest waterproof level;
- Modular pluggable technology, easy tool onsite maintenance;
- Metal structure, high mechanical strength;
- 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>Extreme efficacy, best performance and compatibility</p> <p>Hot color targeted 6V QFN package delivering high flux</p> <p>The high lumen, high efficacy, multi-die single emitter committed to lowering lighting system cost</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/M2		M8		Power Factor	Power Efficiency	LED Brand	CCT (k)	CRI
				Luminous Efficacy (lm/w)	Lumens (lm)	Luminous Efficacy (lm/w)	Lumens (lm)					
GS2A-1	AC100-240 50/60	700	40	105±5	4200±200	110±5	4400±200	0.95	88%	Lumileds	3000① 4000 5000 5700	≥70
		860	50	100±5	5000±250	105±5	5250±250					
		1050	60	95±5	5700±300	100±5	6000±300					
GS2A-2	AC100-240 50/60	700	80	110±5	8800±400	115±5	9200±400	0.95	91%			
		860	100	105±5	10500±500	110±5	11000±500					
		1050	120	100±5	12000±600	105±5	12600±600					

- For M1/M2 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)					
GS2A-1	AC100-240 50/60	600(9P2S)	30	150±8	4500±240	0.95	88%	Customized Chips from World-leading Supplier	3000 4000 5000 5700	≥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					
GS2A-2	AC100-240 50/60	800(9P2S)	80	150±8	12000±640	0.95	91%			
		800(14P2S)	80	158±8	12640±640					
		1000(9P2S)	100	143±8	14300±800					
		1000(14P2S)	100	152±8	15200±800					
		1200(9P2S)	120	135±8	16200±960					
		1200(14P2S)	120	145±8	17400±960					

Working environment & Packing

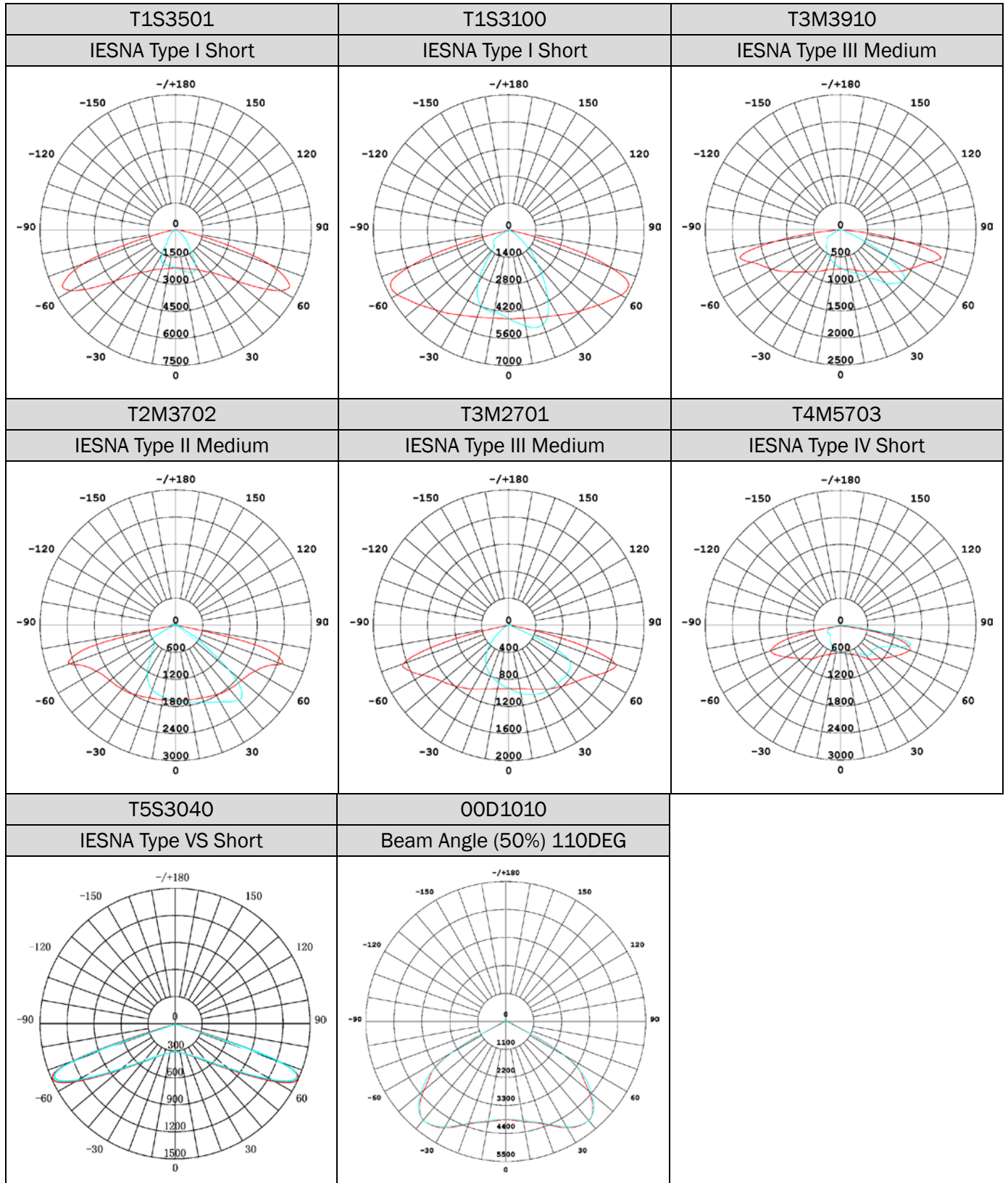
Model	Working Environment	Storage Temperature	IP Rating	Surge Protection	LED Life Span (h)	Housing Material	Product Dimensions (mm)	Carton Size (mm)	N.W (kg)	G.W (kg)
GS2A-1	-40°C~+50°C, 10%~90%RH.	-40°C~+50°C	Whole Fixture IP67	≥10KV	>50,000	Metal	470*220*110	375*290*185	5.1	6.5
GS2A-2									5.8	7.2

Warranty

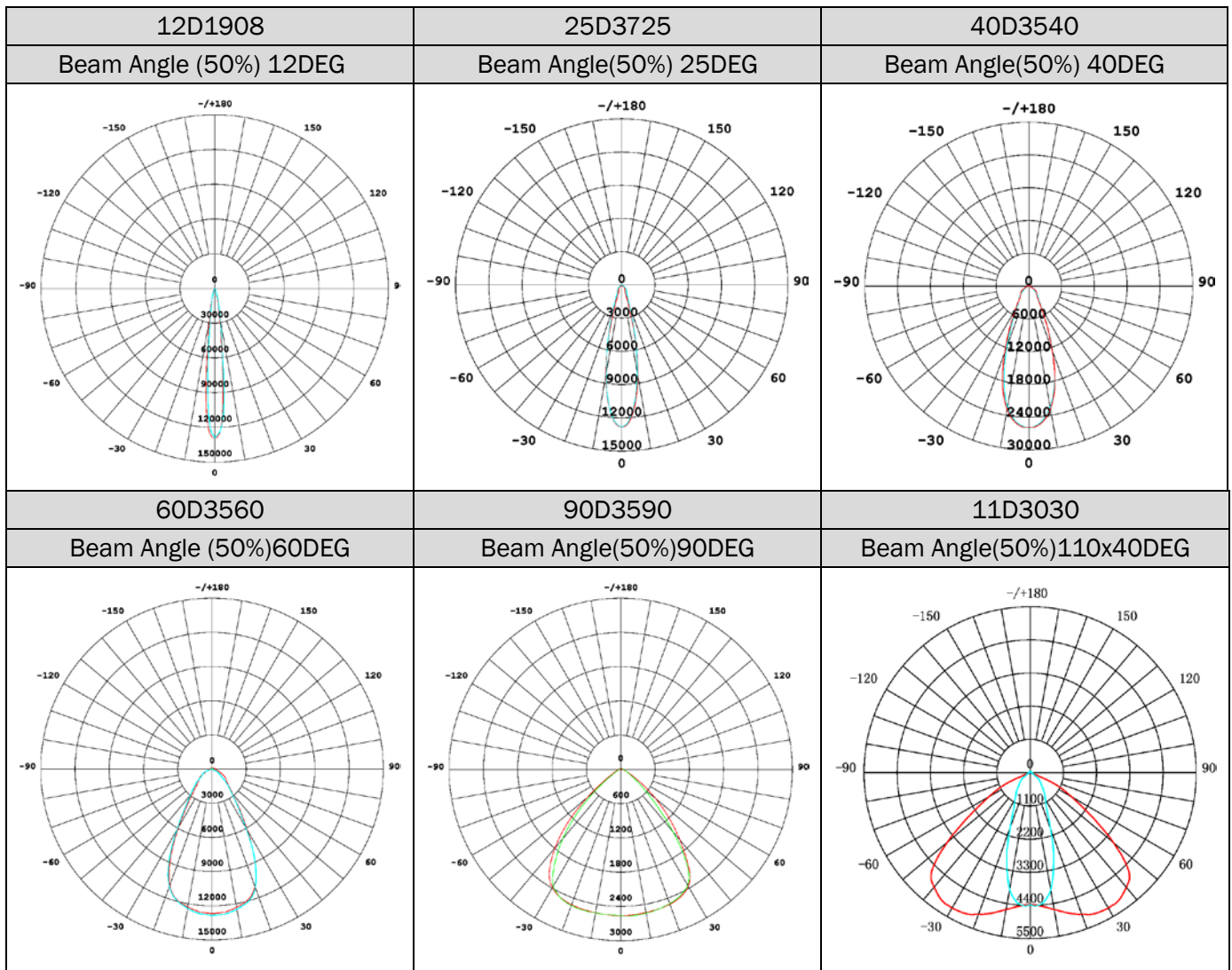
5-year limited warranty is standard on luminaire and components.

Light Distributions

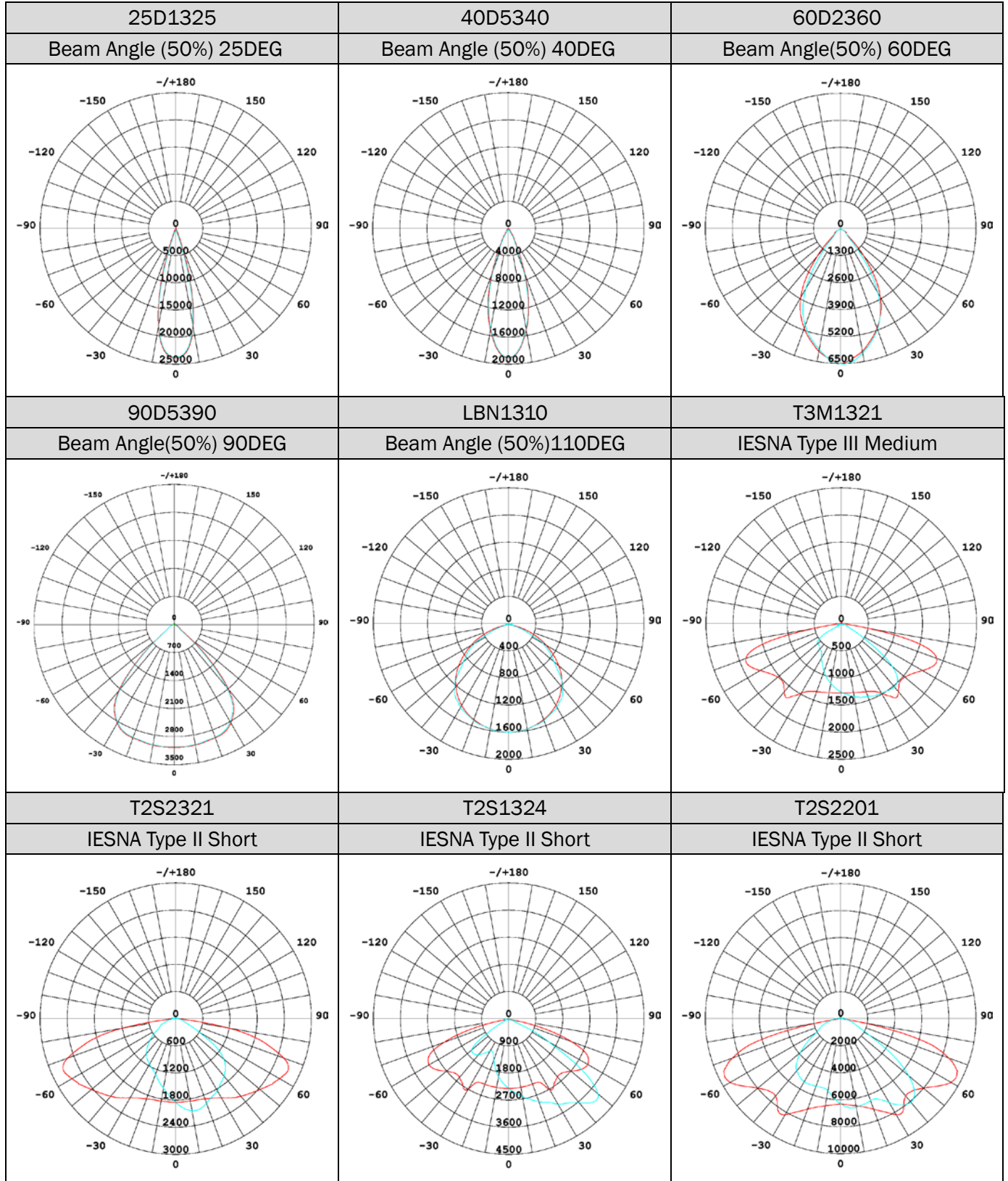
M1A Module



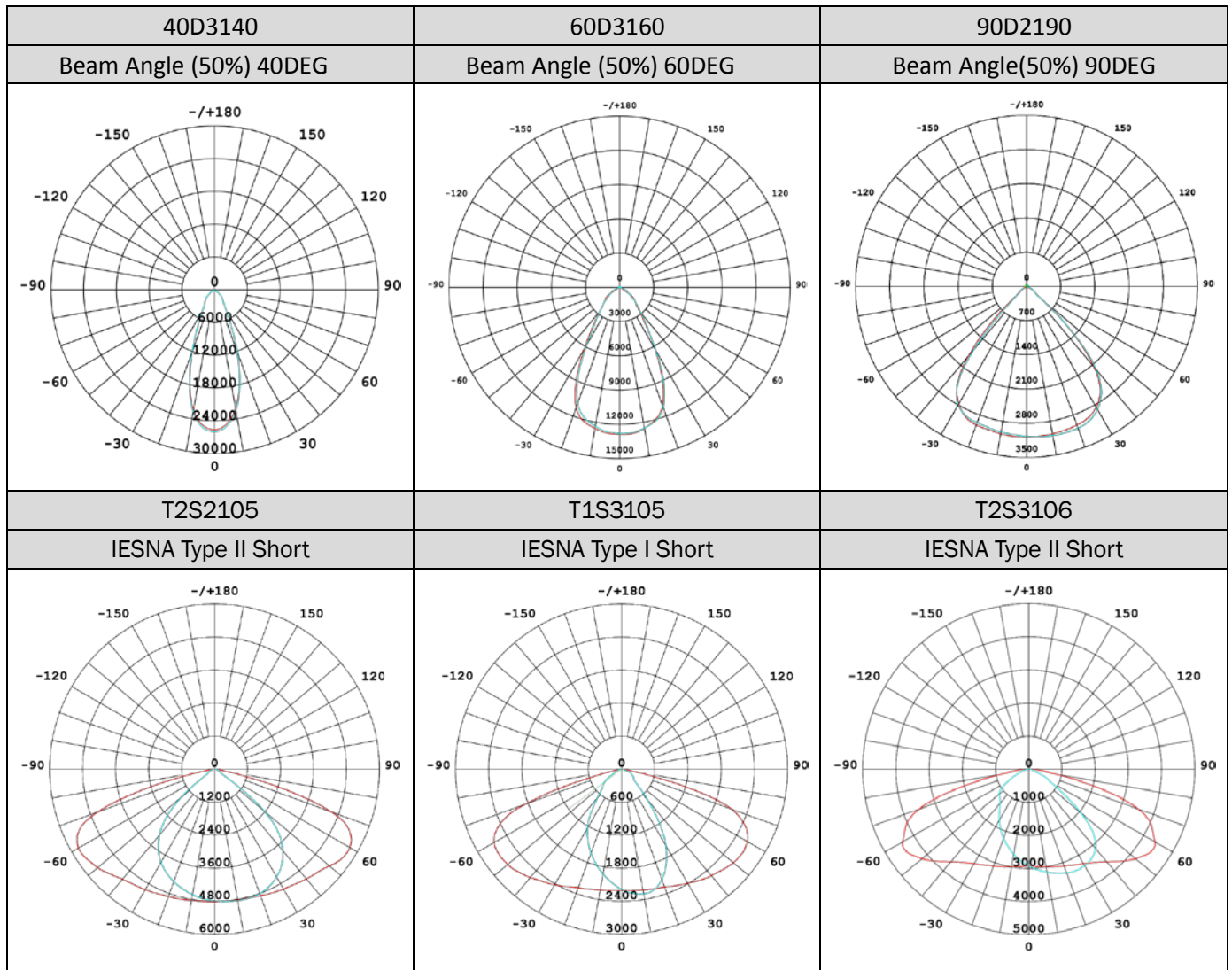
M2A Module



M8B Module



M16B Module

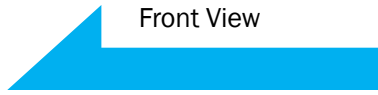


Design Features

- External Design Features



Front View



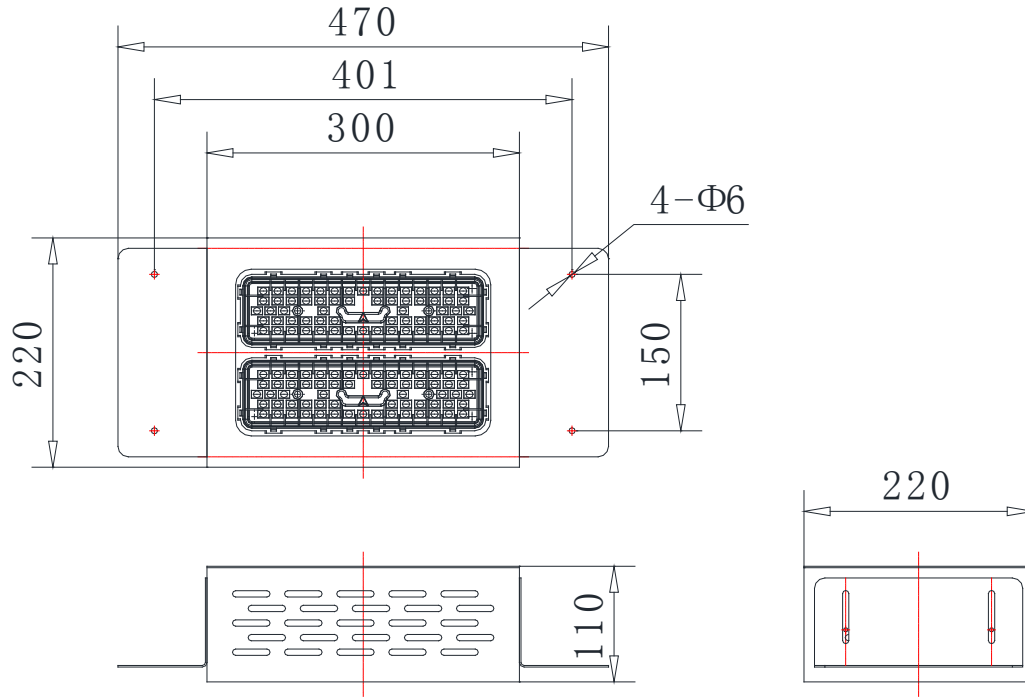
Back View







3D view



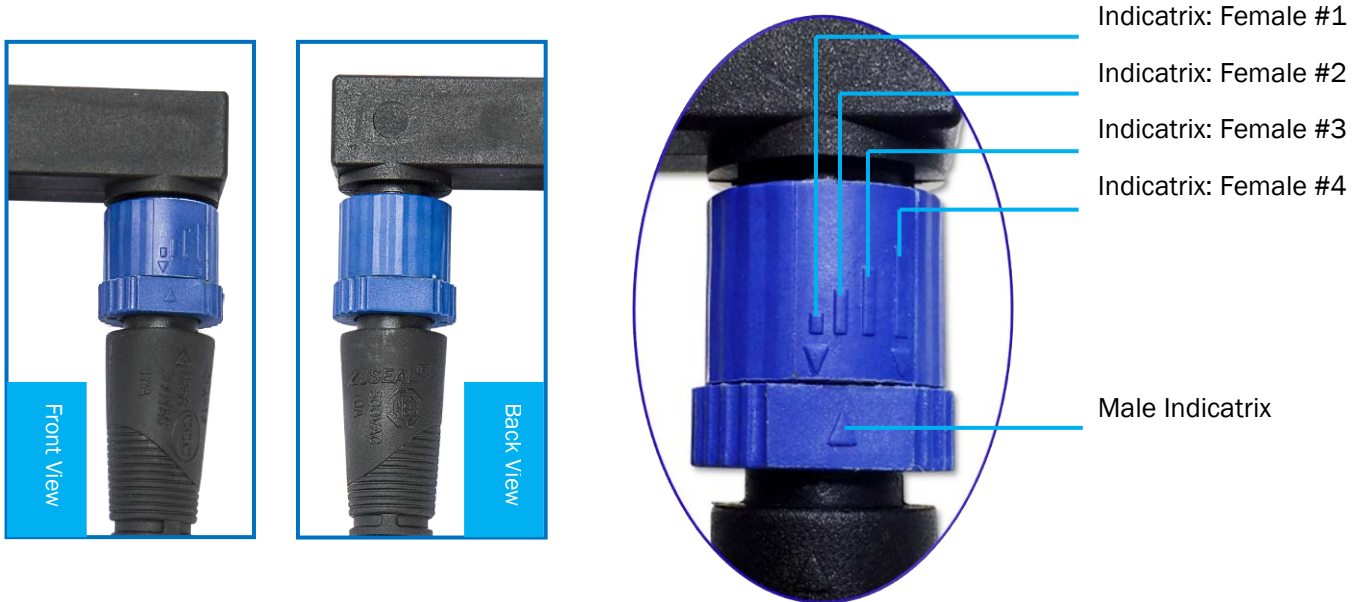
Dimensions



Installation

	
<p>1. Undo the M4X10 screws on the two mounting boards.</p>	<p>2. Tighten up the M4X10 screws and fixate the mounting board as shown</p>
	
<p>3. Connect the wires to AC power correctly. Make sure it grounded sufficiently.</p>	<p>4. Fixate the luminary to the wall with the M4 screws. Installation 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.

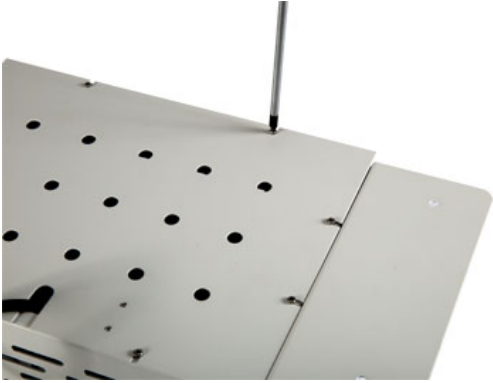



When the gap between male and female terminals is extremely small, if any looseness can be sensed, please spin the male terminal clockwise until tight.

Maintenance

Module

	
<p>1. Undo the eight M3 screws on the cover board and remove it.</p>	<p>2. Disconnect the module from the connector to the driver. Undo the two M4x10 screws at ends of the module.</p>
	
<p>3. Replace the failed module with a new one</p>	<p>4. Installation finished.</p>

Driver & Electrical Parts

	
<p>1. Undo the eight M3 screws on the cover board and remove it.</p>	<p>2. Disconnect the module from the connector to the driver. Undo the two M4x10 screws at ends of the driver.</p>
	
<p>3. Replace the failed driver with a new one</p>	<p>4. Installation finished.</p>

Ordering Information

• **Example:** GS2AS-2-120WH-M1L1010-740-IN

Ordering Information	GS 2A S - 2 - 120 WH - M1 L 1010 - 7 40 - IN											
	1	2	3	4	5	6	7	8	9	10	11	12
1. Luminary Type	T: Street light		TS: Tunnel light		TF: High bay light			FL: Flood light		GL: Garden light		GS: Gas station light
2. Luminary Series	1A	1B	1D	1F	2A	2C	3A	3B			
3. Driving Current	Blank/N: ≤700mA			S: >700mA								
4. Module Qty	N: Non-modular luminary		1: 1 module		2: 2 modules		3: 3 modules		4: 4 modules			
5. System Power	10: 10W		20: 20W		30: 30W		40: 40W		50: 50W			
6. Housing Color	BK: Black		WH: White		GY: Grey		SR: Silver		BU: Blue			
	BUWH: Blue top & White base			BUGY: Blue top & Grey base			OTH: Other					
7. Module Series	Blank: Non-modular luminary			M1: M1 module		M2: M2 module		M5: M5 module				
8. LED Brand	X: Customized LEDs		L: LUMILEDS		C: CREE		O: OSRAM		N: NICHIA		S: SAMSUNG	
9. Lens Code	3501		3100		3702		3910		2701		5703	
10. CRI	6: ≥60		7: ≥70		8: ≥80		9: ≥90		OTH: Other			
	30: 3000K		40: 4000K		50: 5000K		57: 5700K					
12. Driver Brand	MO: MOSO		MW: MEAN WELL		PH: PHILIPS		IN: INVENTRONICS		AD: ADAYO		OTH: Other	

Revision History

Change Date	Rev.	Description of Change		
		Item	From	To
2016/11/21	Rev1.0	Datasheets Release		