

Applications

- Sports Facilities lighting (football field, golf course...)
- Main Thoroughfare lighting (airport, crossroad...)
- Wall & Billboard lighting



Standard Colors



Grey



White


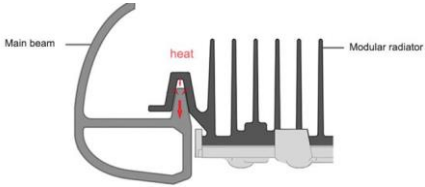

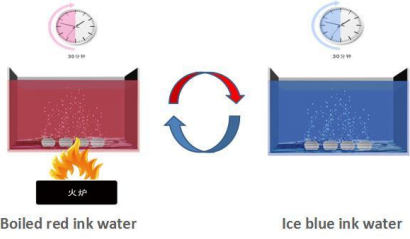




Black

Features

- Honeycomb briquette burning effect and the whole structure cooling technology;
- Double-coupling IP68 protection, highest waterproof level;
- Ergonomic light distribution to achieve uniform illuminating effect;
- Free modular serialization and full power range solution.
- Modular pluggable technology, easy tool onsite maintenance;

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-efficiency 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)					
FL3A-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					
FL3A-2	AC100-240 50/60	700	80	110±5	8800±400	115±5	9200±400	0.95	91%	Lumileds	3000① 4000 5000 5700	≥70
		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)					
FL3A-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					
FL3A-2	AC100-240 50/60	800(9P2S)	80	150±8	12000±640	0.95	91%	Customized Chips from World-leading Supplier	3000 4000 5000 5700	≥70
		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)
FL3A-1	-40℃~+50℃, 10%~90%RH.	-40℃~+50℃	Whole Fixture	≥10KV	>50,000	Aluminum	480*250*240	550*285*235	3.3	4.4
FL3A-2			IP67			Alloy	480*250*240			

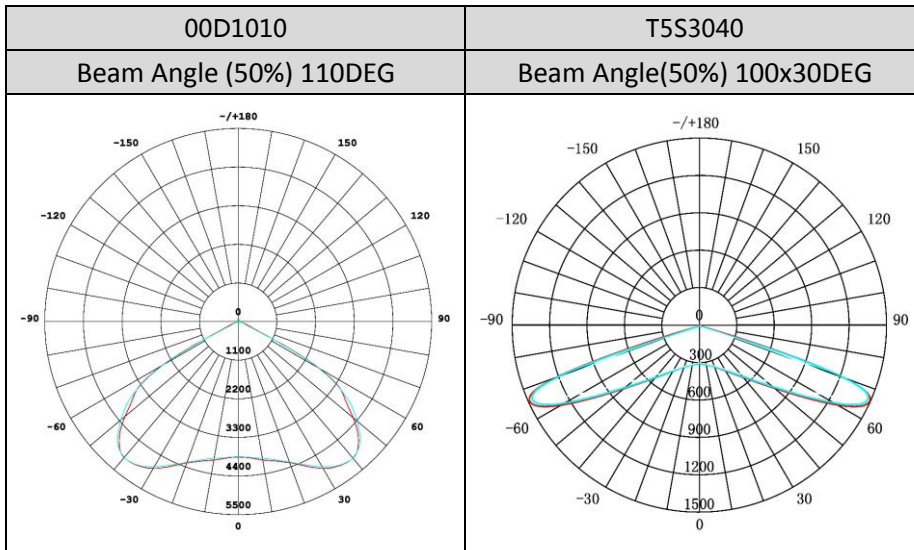
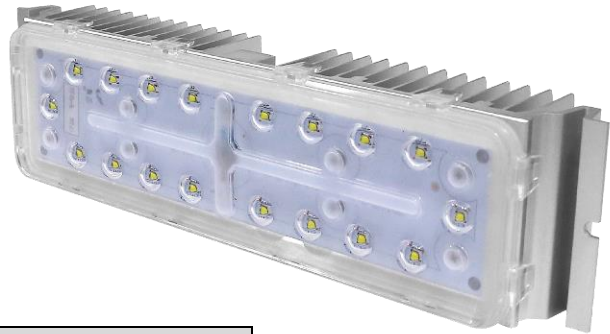
Note: Above data of weight are all typical values.

Warranty

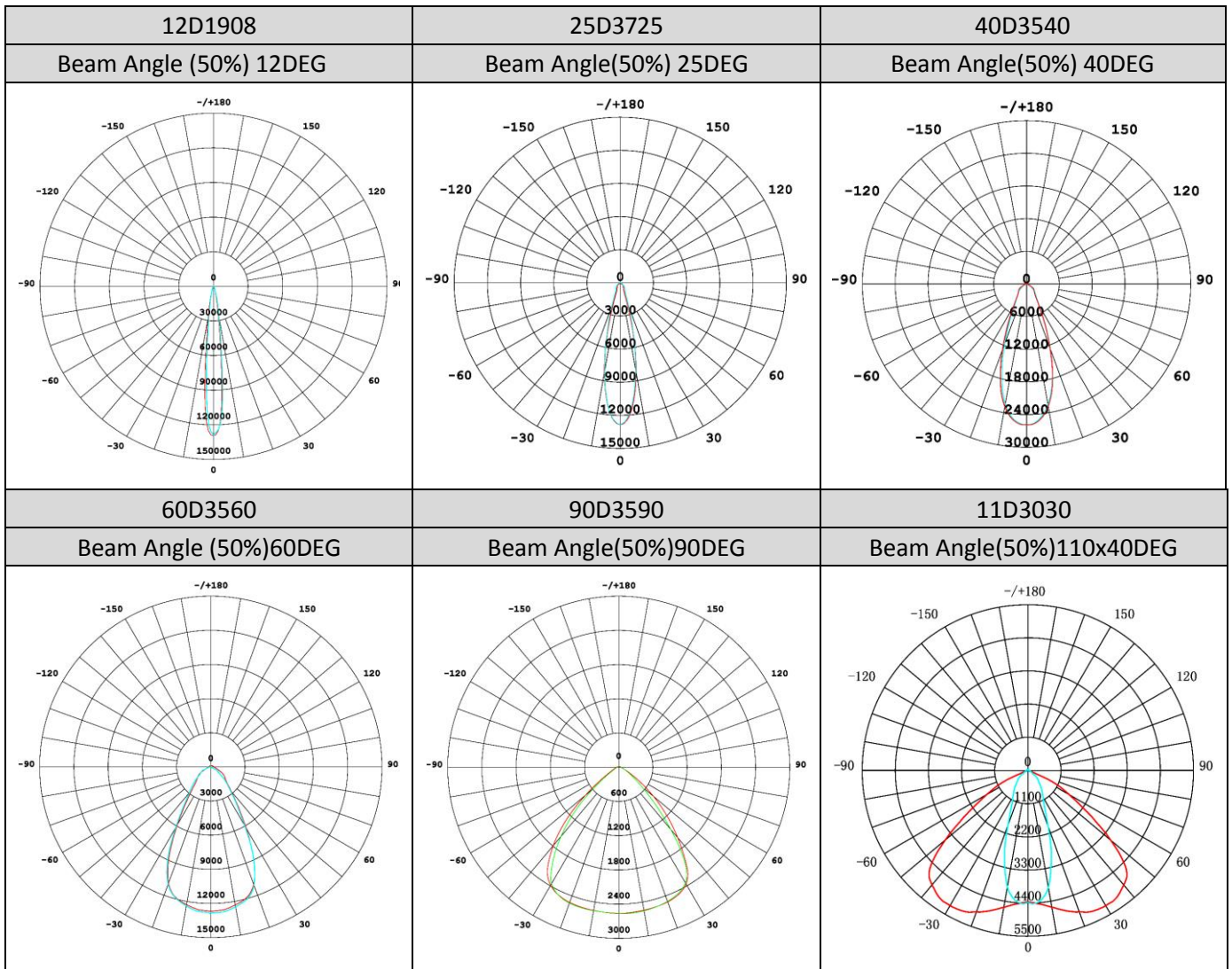
5-year limited warranty is standard on luminaire and components.

Light Distributions

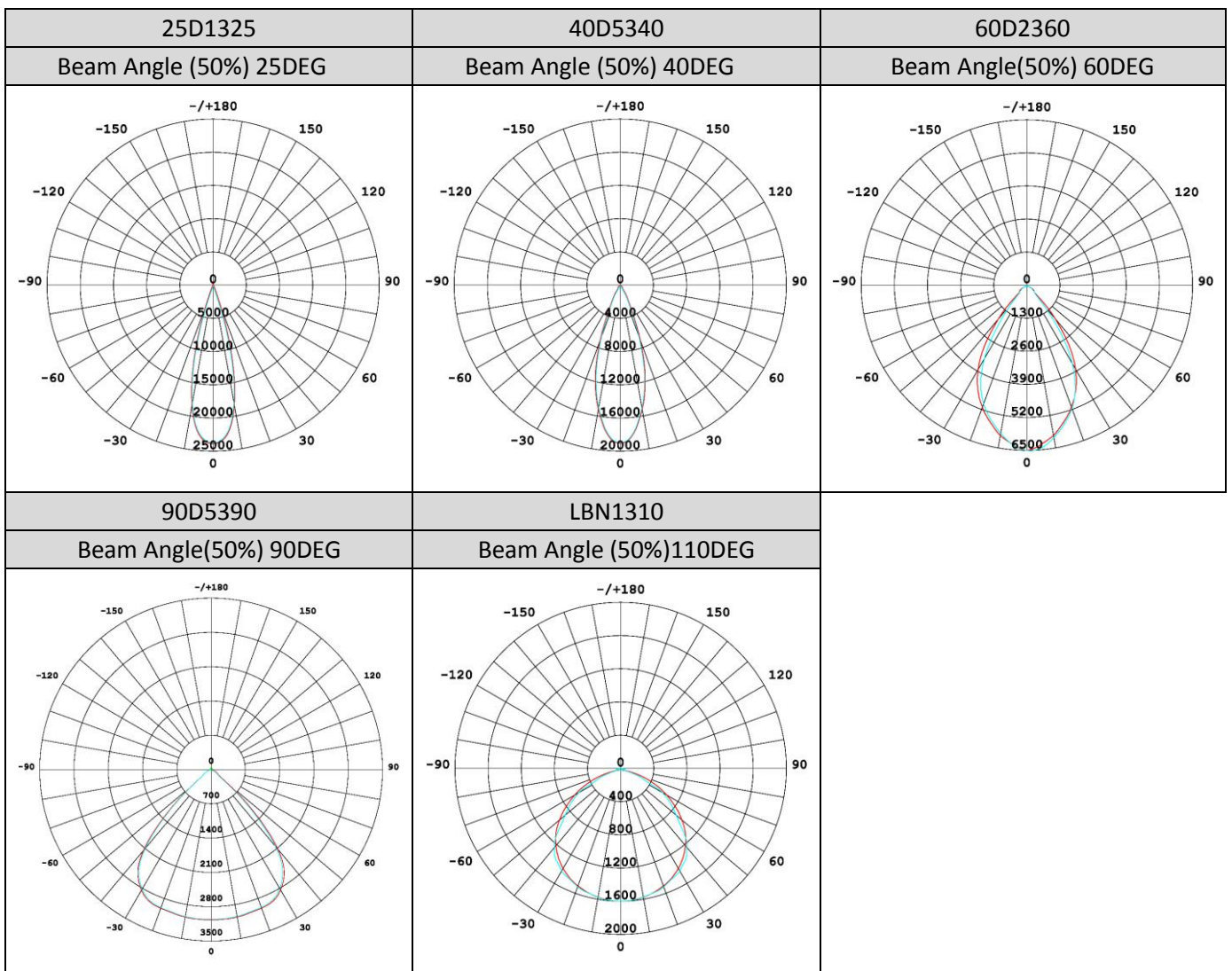
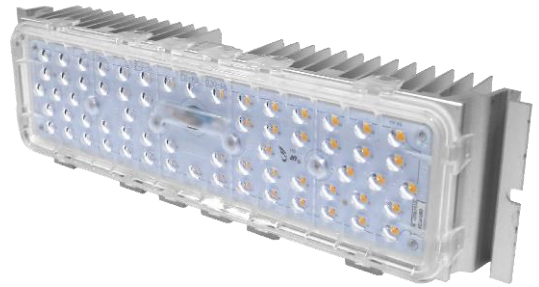
M1A Module



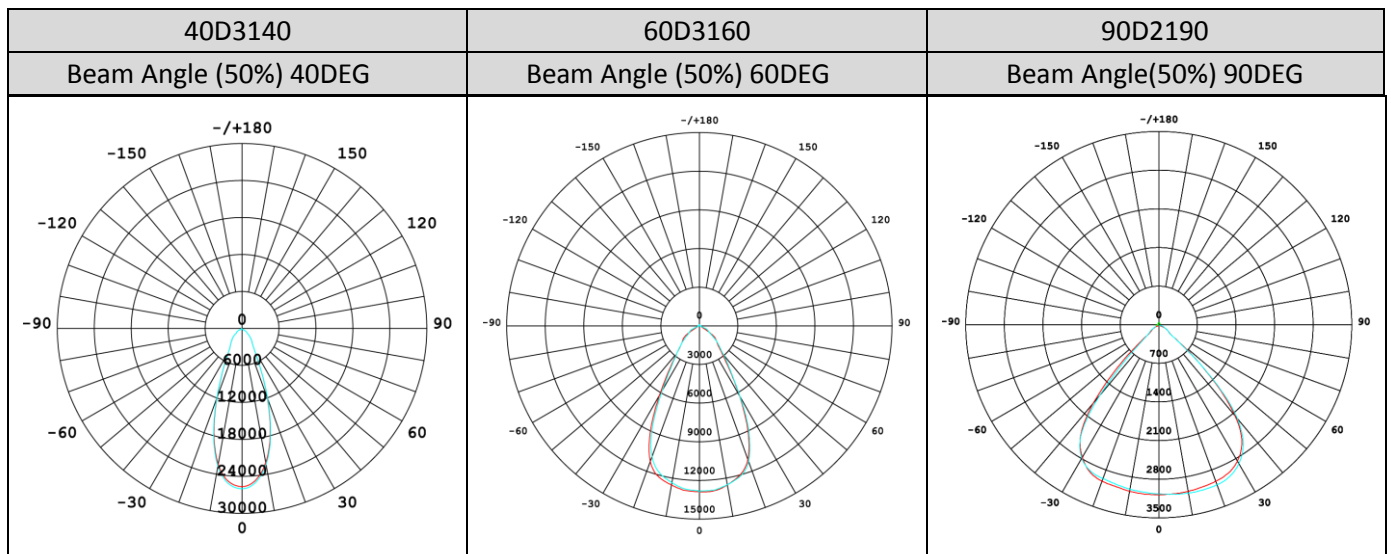
M2A Module



M8B Module

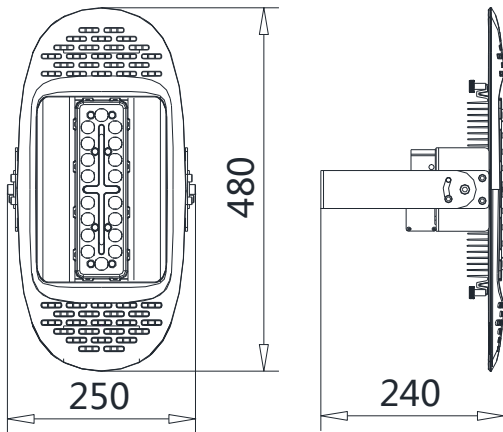


M16B Module

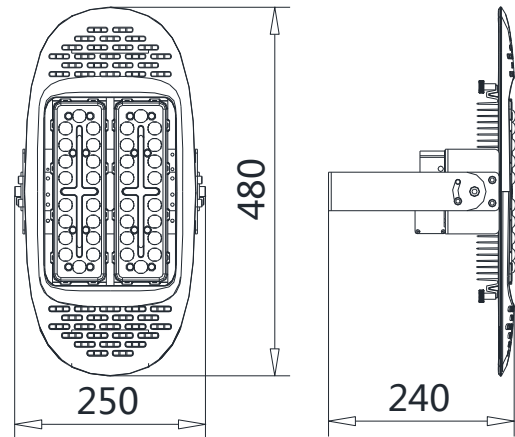


Dimensions

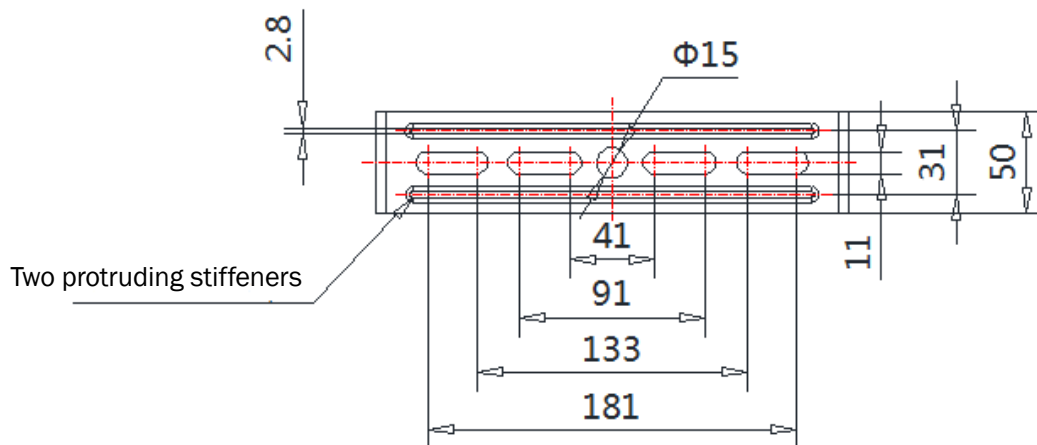
FL3A-1







FL3A-2



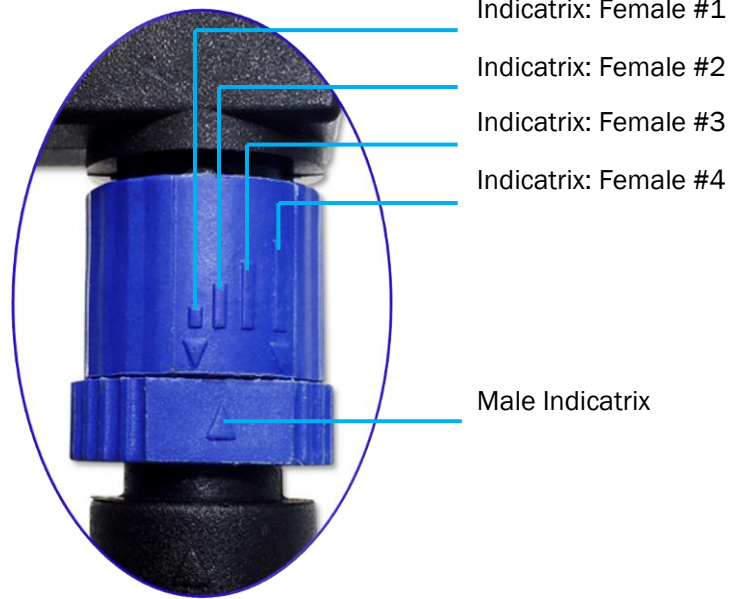
Mounting Hole



Installation

		
<p>1. Fix the luminary onto the mounting surface with M10 screws (provided by customer) at the bracket.</p>	<p>2. Connect the wires to the AC input. Make sure the wiring correct and grounding reliable.</p>	<p>3. Loosen the two M8x20 hexagon screws, and loosen the two hexagon M6 x20 screws at bracket joint. Set the lamp to the correct angle.</p>
		
<p>4. Tighten up the two M8x20 screws, and the two M6 x20 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. Disconnect the module from the connector to the driver.</p>	<p>2. Unscrew the two M4x10 screws at both ends of the failed module.</p>	<p>3. Replace the failed module with a new one</p>	<p>4. Connect and tighten up each part back step by step. Maintenance finished.</p>

Driver & Electrical Parts

			
<p>1. Unscrew the two M8x20 screws , Set the rotation shaft to the correct angle. Disconnect the driver from the connector to modules.</p>	<p>2. Unscrew the two M4x12 cross recessed pan head screws on the cable clip.</p>	<p>3. Unscrew the four M4x12 screws at the ends of the driver set.</p>	<p>4. Replace the failed driver set with a new one.</p>
			
<p>5. Connect and tighten up each part back step by step. Maintenance finished.</p>			

Ordering Information

Example: FL3AS-2-100GY-M1L1010-740-IN

Ordering Information	FL 3A S - 2 - 100 GY - 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	
2. Luminary Series	11A	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		M8: M8 module				
8. LED Brand	L: LUMILEDS		C: CREE		O: OSRAM		N: NICHIA		S: SAMSUNG		OTH: Other	
9. Lens Code	3501		3100		3702		3910		2701		5703	
	3040		1812		1412							
10. CRI	6: ≥60		7: ≥70		8: ≥80		9: ≥90		OTH: Other			
11. CCT	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
2016/10/31	Rev1.0	Datasheets Release		