

# Specifications

## Flood Light FL2C Series


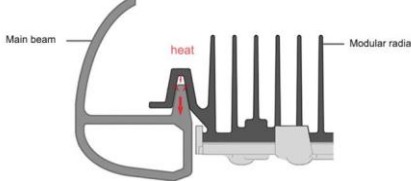
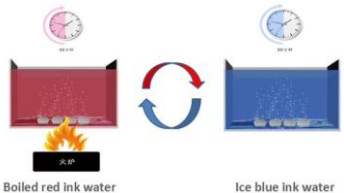


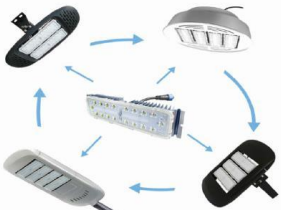
### Features

- Flip-chip technology, single unit's damage won't affect other units' normal work;
- IP68 LED optical engine, highest waterproof rating, screw-free design;
- Multiple light distributions available;
- Intelligent constant current driver, long life span;
- Quick waterproof connectors;
- Easy installation and maintenance;
- Die-cast aluminum housing;
- Adjustable range  $\pm 360$  Degree

### Applications

- Facade and building lighting
- Factory lighting
- Area & Storage lighting
- Parking Lot

### Advantages

	
<p>Air Convection Effect</p>	<p>Whole-structure Heat Dissipation</p>
	
<p>Double-coupling IP68 Protection</p>	<p>Tool-less Maintenance</p>
	
<p>High-efficiency LED Light Source</p>	<p>Flexible Combinations of Modules</p>



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### Electrical & Photometric

Model	Input Voltage (v)	Drive Current (mA)	Power (w)	Luminous Efficacy (lm/w)	Lumens (lm)	Power Factor	Power Efficiency	Light Distributions		LED Brand	CCT (k)	CRI
								M1A & M2A	M8B			
FL2C-1	AC100-277	700	40	110 ± 5	4400±200	0.95	91%	Beam Angle (50%)	Beam Angle (50%)	Lumileds	3000 ③ 4000 5000 5700	> 70
		860	50	105 ± 5	5250±250							
		1050	60	100 ± 5	6000±300							
FL2C-2		700	80	110 ± 5	8800±400							
		860	100	105 ± 5	10500±500							
		1050	120	100 ± 5	12000±600							
FL2C-3		700	120	110 ± 5	13200±600							
		860	150	105 ± 5	15750±750							
		1050	180	100 ± 5	18000±900							
FL2C-4		700	160	110 ± 5	17600±800							
		860	200	105 ± 5	21000±1000							
		1050	240	100 ± 5	24000±1200							
FL2C-5	700	200	110 ± 5	22000±1000								
	860	250	105 ± 5	26250±1250								
	1050	300	100 ± 5	30000±1500								
FL2C-6	700	240	110 ± 5	26400±1200								
	860	300	105 ± 5	31500±1500								
	1050	360	100 ± 5	36000±1800								
FL2C-7	700	280	110 ± 5	30800±1400								
	860	350	105 ± 5	36750±1750								

\*Surge Protection: 10KV.

\*Input voltage 100-277VAC, operating frequency 50-60Hz, THD<20%.

### Mechanical & Environmental

Model	Working Environment	Storage Temperature	Lumen Maintenance	Housing Material	Protection for Break	Product Dimensions (mm)	Outer Carton Size (mm)	N.W (kg)	G.W (kg)
FL2C-1	-40°C~+50°C, 10%~90%RH.	-40°C~+50°C	>50,000	Aluminum Alloy	10KV	360*200*95	430*265*150	3.2	4.1
FL2C-2						360*200*175	430*265*230	4.7	5.7
FL2C-3						360*260*255	430*335*330	5.6	6.6
FL2C-4						360*260*335	475*430*210	6.7	8
FL2C-5						360*360*415	615*430*210	8.4	9.9
FL2C-6						360*360*495	660*430*210	9.4	11.1
FL2C-7						360*360*575	695*430*210	10.1	11.6

\*IP68 LED Optical Module.

### Warranty

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

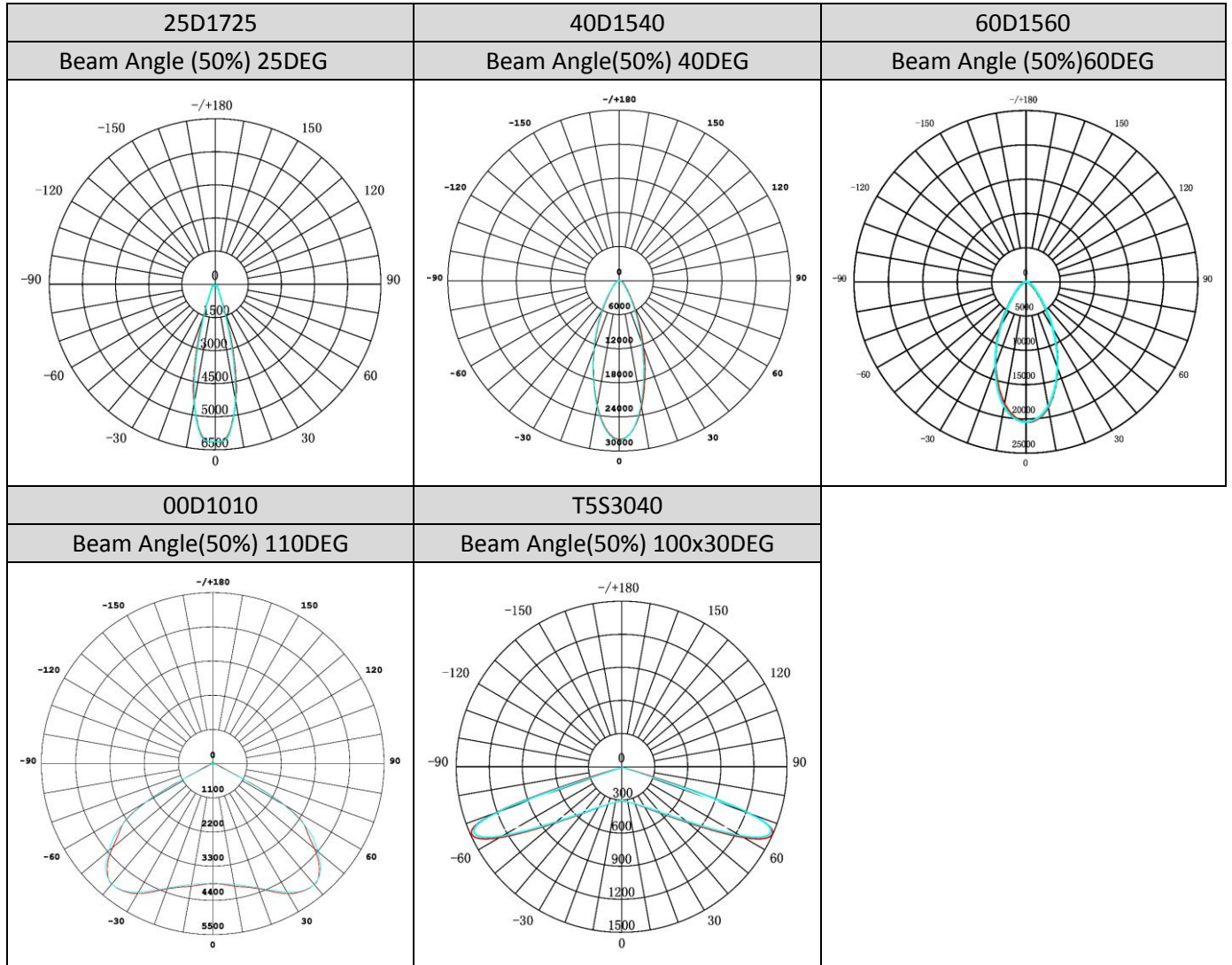


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## Light Distributions

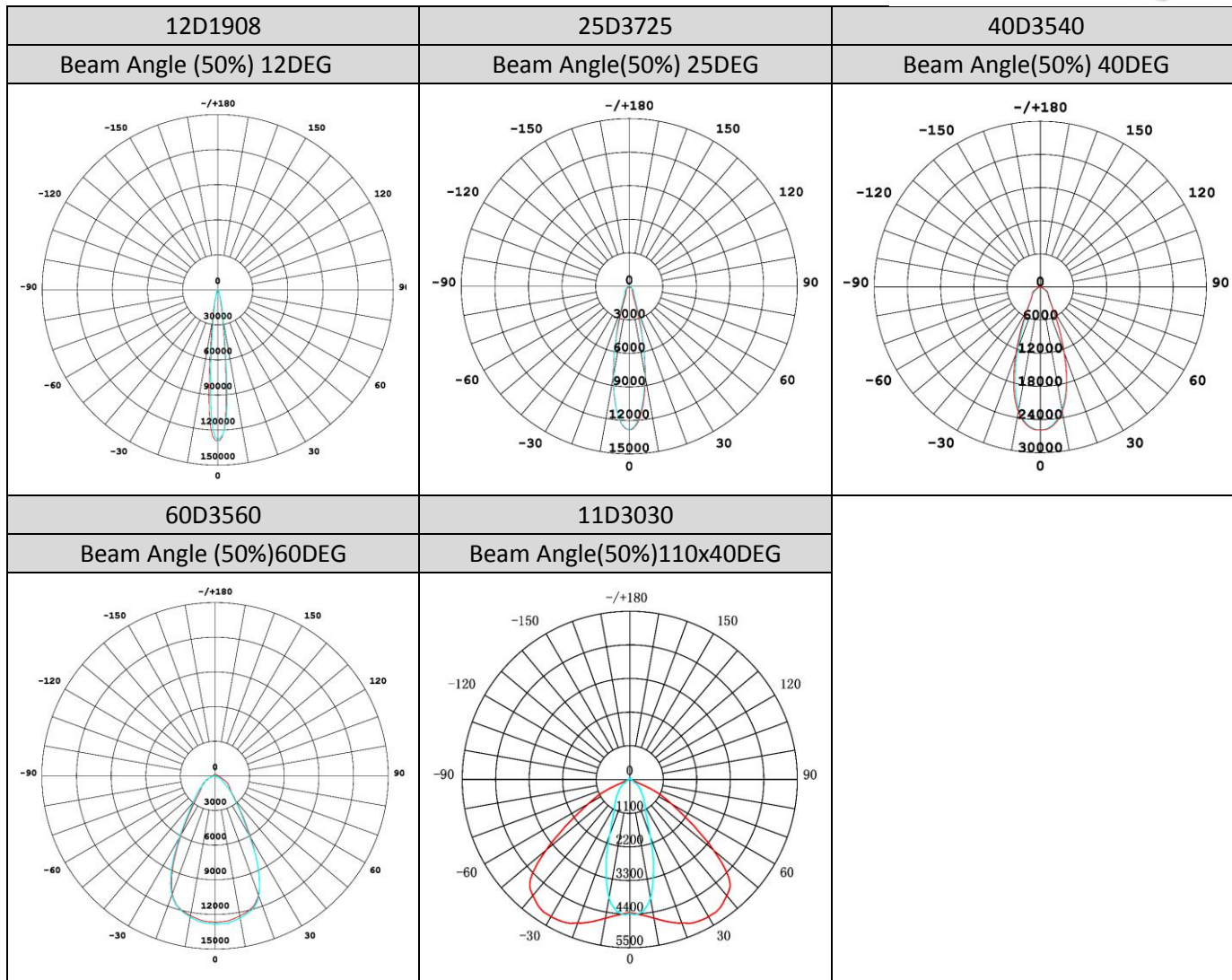
### M1A Module



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### [M2A Module](#)

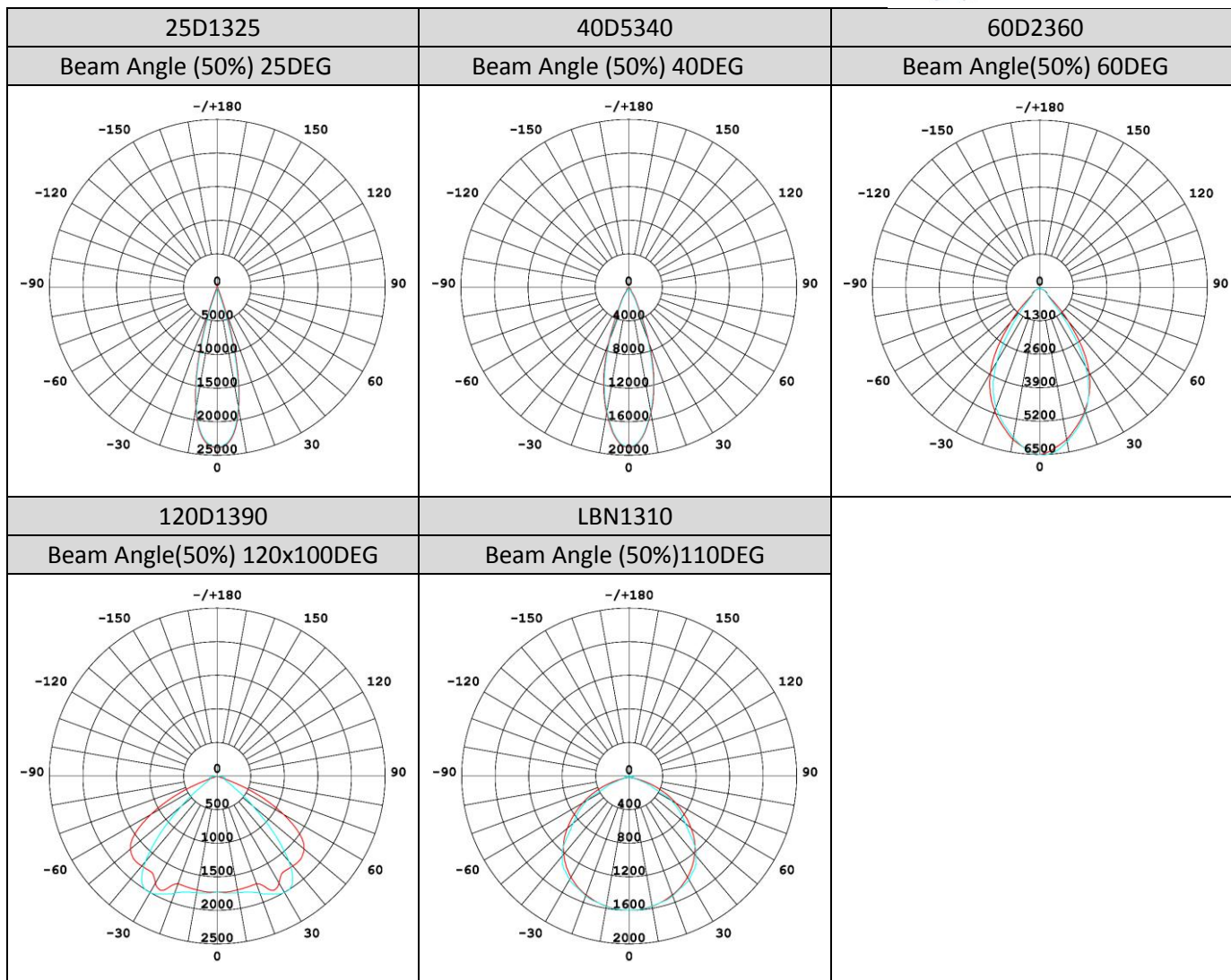




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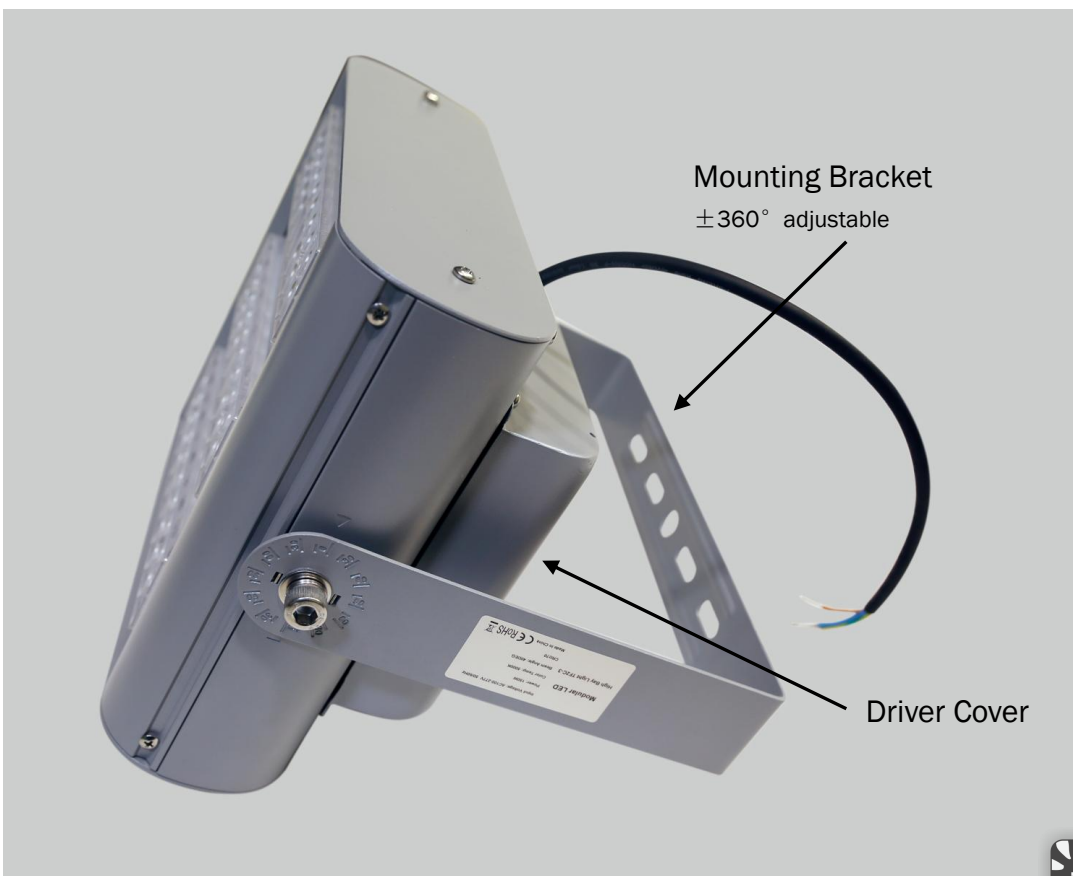
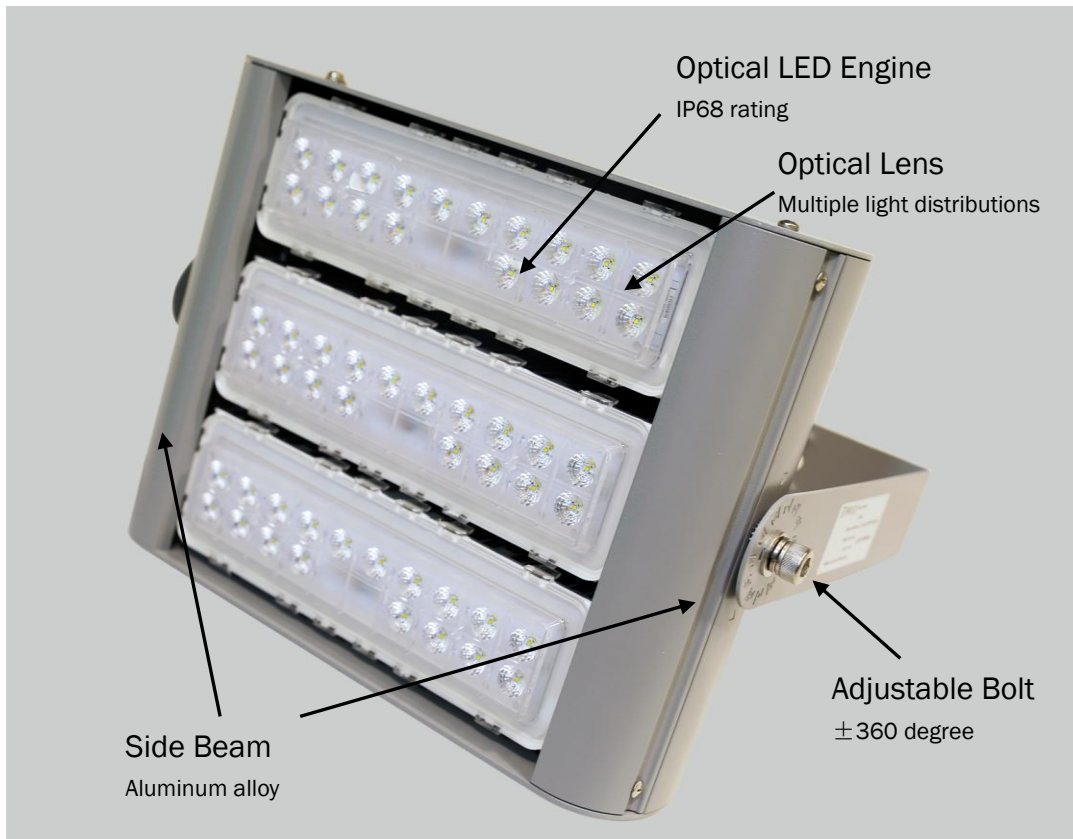
### M8B Module



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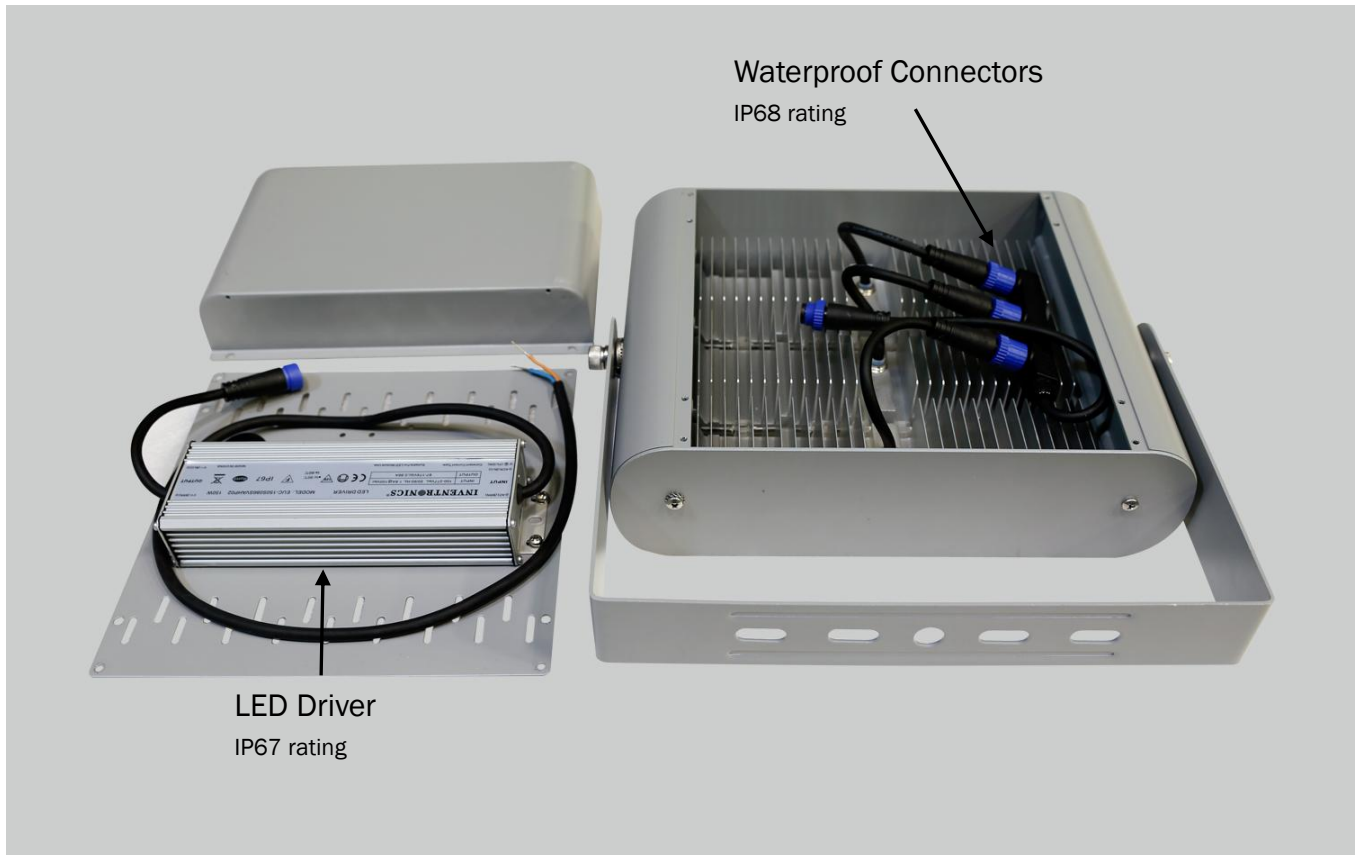
### External Design Features



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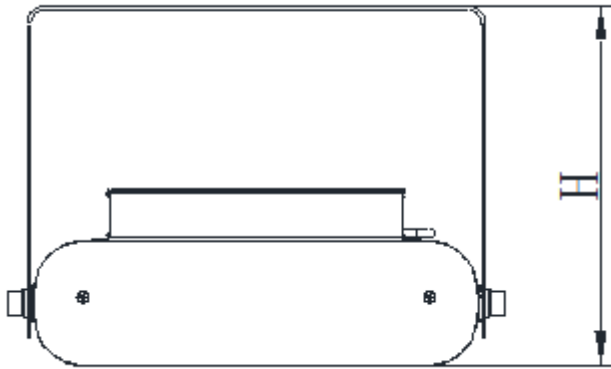
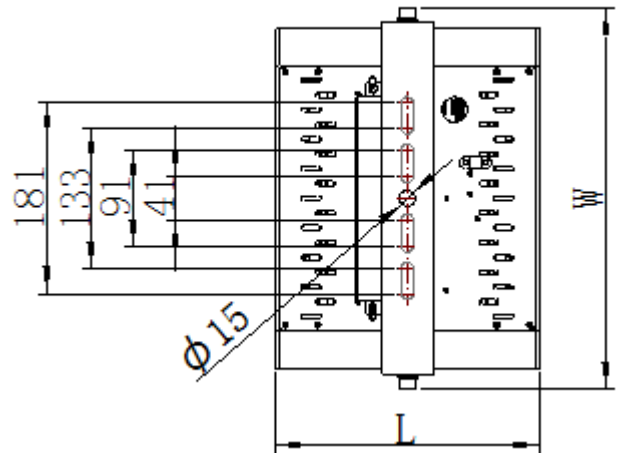
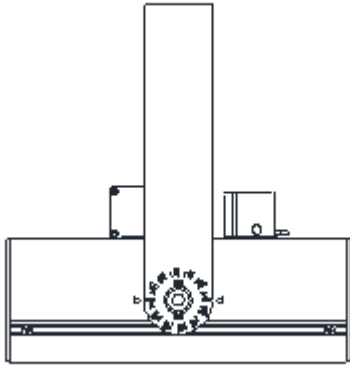
### Internal Design Features



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### Dimensions







FL2C	-1	-2	-3	-4	-5	-6	-7
L	95mm (3.74")	175mm (6.89")	255mm (10.04")	335mm (13.19")	415mm (16.34")	495mm (19.49")	575mm (22.64")
W	360 mm(14.17")						
H	200 mm (7.87")	200 mm (7.87")	260 mm (10.24")	260 mm (10.24")	360 mm (14.17")	360 mm (14.17")	360 mm (14.17")



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### Installation

			
1. Fix the luminaire onto the mounting surface with two M10 screws at the bracket.	2. Connect the ground wire, neutral wire and live wire to the AC input (make sure it sufficiently grounded).	3. Loosen the M8x20 screws at bracket joint, adjust the mounting angle. Then tighten up the screws at bracket joint	4. Installation finished.

### Maintenance








#### Driver & Electrical Parts

			
1. Disconnect the luminaire from AC power. Unscrew the screws to remove the driver cover.	2. Unscrew the screws to open the back cover.	3. Disconnect the connectors for the driver.	4. Unscrew the screws at the ends of the driver set, and replace with a new set.
			
5. Fixate the new driver set with the screws and tighten up.	6. Connect the new driver to modules and tighten up the connectors.	7. Tighten up the mounting screws for the new driver, surge protector and the cable clip.	8. Fix the driver cover back and tighten up the screws.

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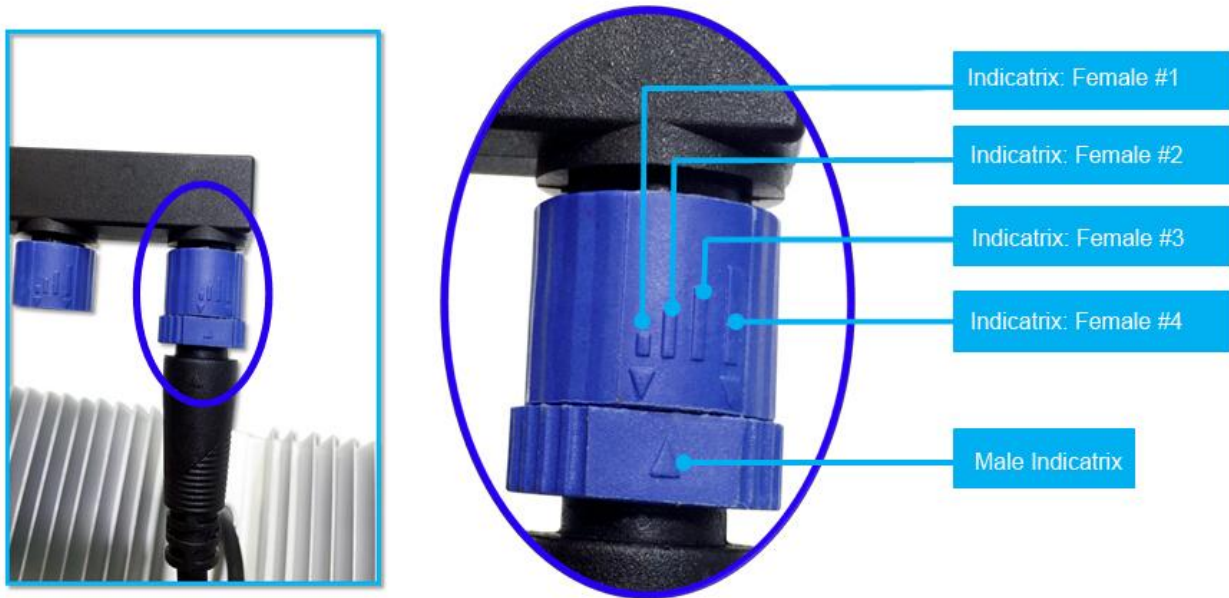
### Module

			
1. Unscrew the screws on the main beam covers at both sides and remove the two main beam covers.	2. Unscrew the screws at both ends of the failed module.	3. Plug out the module.	4. Disconnect the failed module from female connector and replace it with a new one.
			
5. Connect and tighten up the waterproof connectors.	6. Install and fixate the module with the screws.	7. Close the main beam covers on both sides and tighten up the screws on them.	

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### 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 male indicatrix points between female #3 and #4.