

# FL12A

## LED Flood Light






### Specifications

<b>Input Voltage:</b>	100 ~ 277Vac
<b>Input Frequency:</b>	50 / 60Hz
<b>Power Factor:</b>	0.95
<b>Surge Protection Level:</b>	10kV line-earth
<b>Working Environment:</b>	-40°C ~ +50°C, 10% ~ 90% RH
<b>CCT:</b>	3000K, 4000K, 5000K, 5700K
<b>CRI:</b>	≥70
<b>Housing:</b>	Extrusion, Galvanized Steel
<b>IP Rating of LED Light Engine</b>	IP68
<b>IP Rating of LED Driver:</b>	IP67
<b>Impact Resistance</b>	IK08
<b>Warranty:</b>	5 Years Limited



### Finishing Colors

	Gray		Black
	White		Blue

### Applications

- Public places (park, square....)
- Advertisement (wall, billboard....)

### Features

#### Construction

- Whole structure heating dissipation design with efficient thermal conduction, radiation and convection.
- Unique patented IP68 LED light engines.
- Tool-less onsite replacement of light engines greatly reduces maintenance cost.

#### Optical

- Ergonomic and specialized lighting distributions available for various area lighting.

#### Installation

- Tilt bracket avoids light blocking by itself.
- Bracket adjustable within  $\pm 90^\circ$  with steps by  $15^\circ$ .

### Photos



# FL12A

LED Flood Light

## Ordering Information

Example: FL12A-2-100-M8B-CA-63-2360-7040-LU-MO-GY

Luminaire Type	Module Qty	System Power	LED Module	LED Package	Cable Standard	LED Qty per Module	
FL Flood light	1 1 module	40 40W	M1A M1A module	A 3535	A CCC+VDE	18 18pcs	
	2 2 modules	50 50W	M2A M2A module		C PSE		
	12A 12A series	3 3 modules	60 60W	M8B M8B module	C 3030	H UL	63 63pcs
		80 80W	M16B M16B module	B 5050		X Others	
		100 100W					
		120 120W					
	150 150W					28 28pcs	

Lens Code	CRI & CCT	Brand of LEDs	Driver Brand	Housing Color
1010 110degree	7030 Ra≥70, CCT 3000K	LU LUMILEDS	IN INVENTRONICS	BK Black
3040 Type Vs Short	7040 Ra≥70, CCT 4000K	CM LUMILEDS	MO MOSO	WH White
1908 12 degree	7050 Ra≥70, CCT 5000K	Customized	PH PHILIPS	BU Blue
3725 25 degree	7057 Ra≥70, CCT 5700K	SS SAMSUNG	MW MEAN WELL	GY Gray
3540 40 degree		NI NICHIA	AD ADAYO	
1325 25 degree		CR CREE	XX Others	
5340 40 degree		LN LUMINUS		
2360 60 degree		XX Others		
3125 25 degree				
3140 40 degree				
3160 60 degree				
2190 90 degree				
2211 90x40 degree				
2310 Lambertian type				
3504 80x40 degree				
3505 70x30 degree				

## Performance

Model	Power (W)	Module M1A/M2A-VA-18		Module M8B-VC-63		Module M16B-VB-18		Module M16B-VB-28	
		Efficacy (lm/W)	Flux (lm)	Efficacy (lm/W)	Flux (lm)	Efficacy (lm/W)	Flux (lm)	Efficacy (lm/W)	Flux (lm)
FL12A-1	40	130	5200	135	5400	152	6080	168	6720
	50	122	6100	130	6500	145	7250	163	8150
	60	117	7020	122	7320	133	7980	155	9300
FL12A-2	80	137	10960	140	11200	160	12800	175	14000
	100	130	13000	135	13500	150	15000	170	17000
	120	122	14640	127	15240	140	16800	163	19560
FL12A-3	120	137	16440	140	16800	160	19200	175	21000
	150	130	19500	135	20250	150	22500	170	25500

Note: 1. Values shown are subject to ±5%~±8% tolerance.

2. Efficacy of Ra70 3000K is 5% lower than other CCT≥4000K.

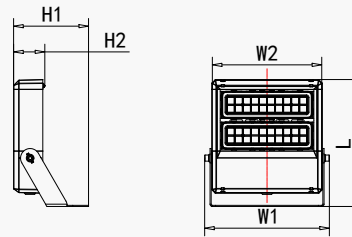
# FL12A

LED Flood Light

## Product Dimensions

Model	L (mm)	W1 (mm)	W2 (mm)	H1 (mm)	H2 (mm)	N.W. (kg)
FL12A-1	250	325	285	200	80	3.6
FL12A-2	330	325	285	200	80	5.0
FL12A-3	410	325	285	200	80	6.4

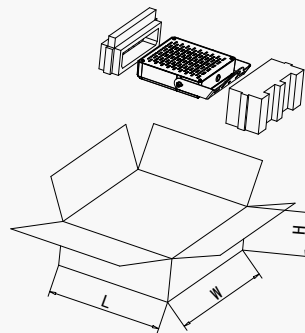
Notes: Typical values above. N.W. tolerance: 5%. Dimension tolerance:  $\pm 5$



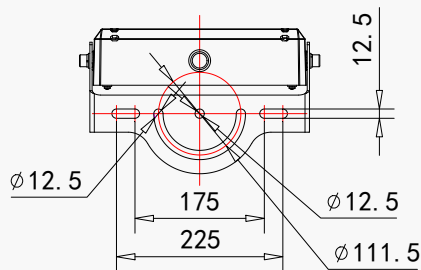
## Package Information

Model	L (mm)	W (mm)	H (mm)	G.W. (kg)
FL12A-1	380	365	175	4.6
FL12A-2	460	365	175	6.1
FL12A-3	540	365	175	7.6

Notes: Typical values above. G.W. tolerance: 5%. Dimension tolerance:  $\pm 5$



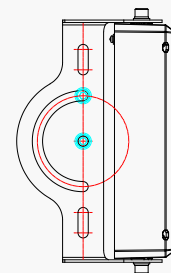
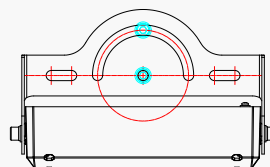
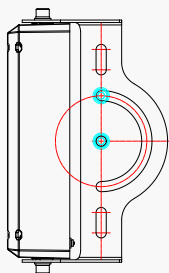
## Installation Bracket



Tolerance:  $\pm 0.5$

Horizontal Adjustment Range: 0-180°, step-less adjustment.

Vertical Adjustment Range: 0-180°, step by 15°.



0°

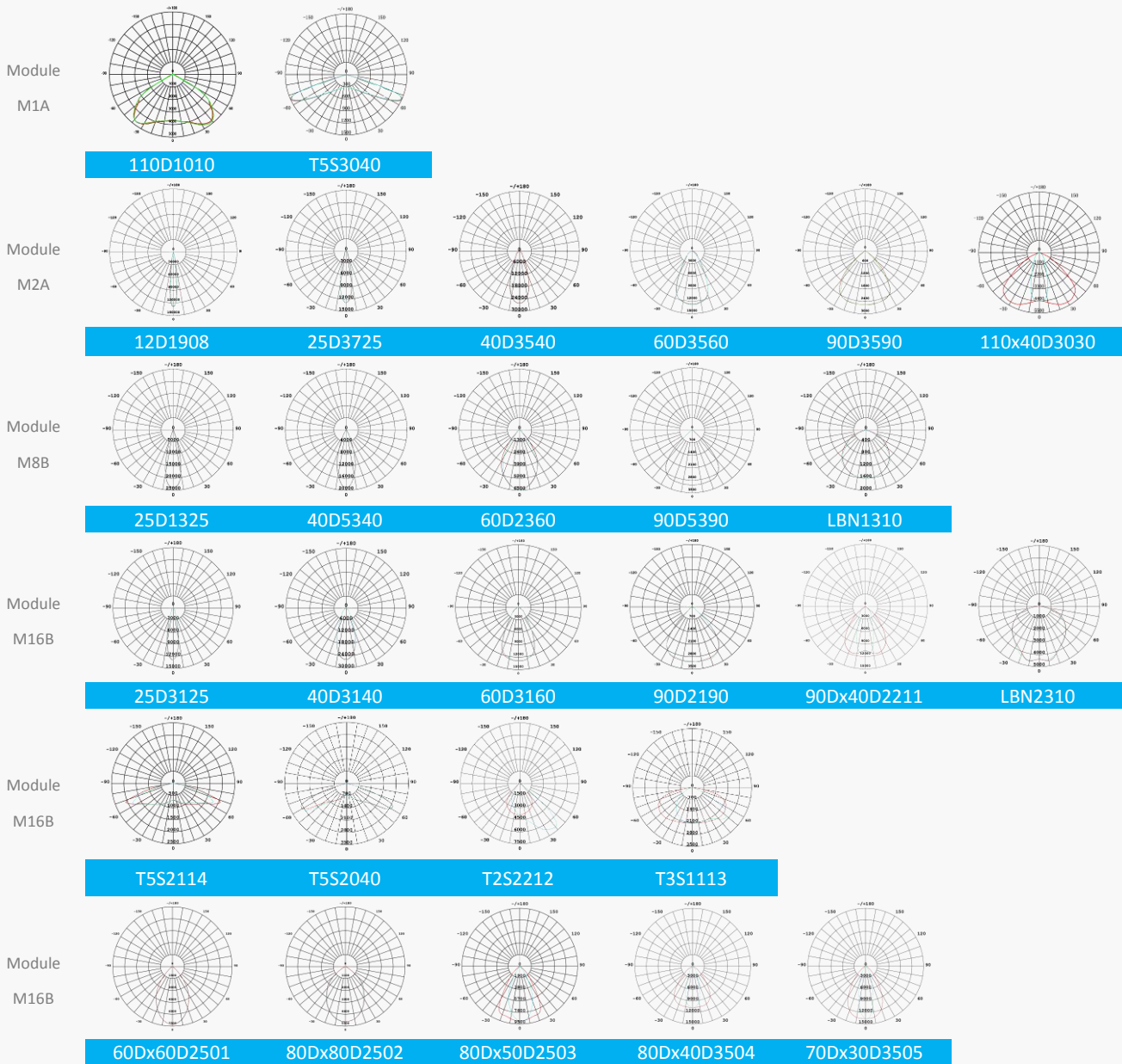
90°

180°

# FL12A

## LED Flood Light

### Typical Distributions



### Version History

Change Date	Version	Item	Description of Change	
			From	To
2016/07/23	Rev1.0	Datasheets Release		
2016/12/14	Rev1.1	M16B module		Add
2019/08/21	Ver. 2.0	New format Efficacy upgrade New lighting distributions added	/	/