

# AREX FL2H



## 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 ~ +45°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

### Bracket Colors

	Gray		Black
	White		Blue

### Applications

- Sports facilities (stadium, football field, golf course....)
- Traffic arteries (airport, crossroad....)
- 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.

#### Electrical

- Flexible to reach desired power consumption by choosing appropriate light engines.

#### Optical

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

#### Installation

- Angle adjustable within  $\pm 60^\circ$  with mounting brackets.

### Photos



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LED Flood Light

## Ordering Information

Example: FL2H-4-240-M16B-BA-28-3160-7040-CM-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	3030	PSE			
2H	2H series	3	3 modules	60	60W	M8B	M8B module	C	3030	H	UL	63	63pcs								
		...	.....	...	.....																
		7	7 modules	400	400W									M16B	M16B module	B	5050	X	Others	18	18pcs
		8	8 modules	480	480W																

Lens Code		CRI & CCT		Brand of LEDs		Driver Brand		Bracket 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	2114	Type V Short						
3140	40 degree	2040	Type V Short						
3160	60 degree	2212	Type II Short						
2190	90 degree	1113	Type III Short						
2211	90x40 degree	2501	60x60 degree						
2310	Lambertian type	2502	80x80 degree						
3504	80x40 degree	2503	80x50 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)
FL2H-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
FL2H-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
FL2H-3	120	137	16440	140	16800	160	19200	175	21000
	150	130	19500	135	20250	150	22500	170	25500
	180	122	21960	127	22860	140	25200	163	29340
FL2H-4	160	137	21920	140	22400	160	25600	175	28000
	200	130	26000	135	27000	150	30000	170	34000
	240	122	29280	127	30480	140	33600	163	39120
FL2H-5	200	137	27400	140	28000	160	32000	175	35000
	250	130	32500	135	33750	150	37500	170	42500
	300	122	36600	127	38100	140	42000	163	48900
FL2H-6	240	137	32880	140	33600	160	38400	175	42000
	300	130	39000	135	40500	150	45000	170	51000
	360	122	43920	127	45720	140	50400	163	58680
FL2H-7	280	137	38360	140	39200	160	44800	175	49000
	350	130	45500	135	47250	150	52500	170	59500
	420	122	51240	127	53340	140	58800	163	68460
FL2H-8	320	137	43840	140	44800	160	51200	175	56000
	400	130	52000	135	54000	150	60000	170	68000
	480	122	58560	127	60960	140	67200	163	78240

Notes: 1. Values shown are subject to ±5%~±8% tolerance. 2. Efficacy of Ra70 3000K is 5% lower than other CCT≥4000K.

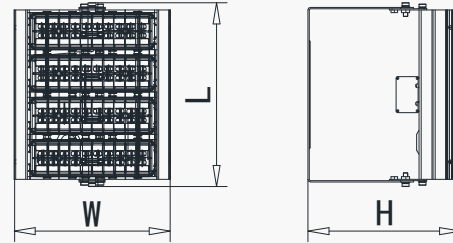
# FL2H

LED Flood Light

## Product Dimensions

Model	L (mm)	W (mm)	H (mm)	N.W. (kg)
FL2H-1	105	300	290	2.4
FL2H-1 (wide)	120	300	290	2.5
FL2H-2	190	300	290	3.8
FL2H-3	270	300	290	5.2
FL2H-4	350	300	290	6.2
FL2H-5	430	300	355	11.2
FL2H-6	480	300	355	12.5
FL2H-7	560	300	355	14.3
FL2H-8	640	300	355	15.6

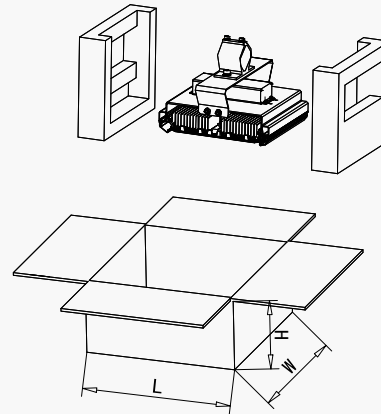
Notes: Typical values above. Actual N.W. is subject to tolerance of 5%.



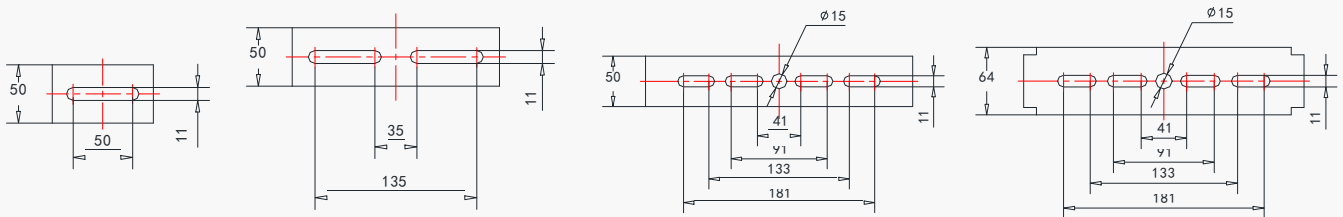
## Package Information

Model	L (mm)	W (mm)	H (mm)	G.W. (kg)
FL2H-1	390	165	190	2.8
FL2H-1 (wide)	390	165	190	2.9
FL2H-2	390	245	190	4.3
FL2H-3	390	325	190	5.8
FL2H-4	390	405	190	6.9
FL2H-5	425	505	225	12.5
FL2H-6	425	575	225	13.9
FL2H-7	425	655	230	15.7
FL2H-8	642	735	230	17.2

Notes: Typical values above. Actual G.W. is subject to tolerance of 5%.



## Installation Bracket



FL2H-1

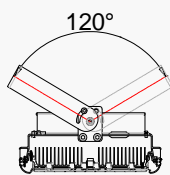
FL2H-2

FL2H-3/-4/-5/-6

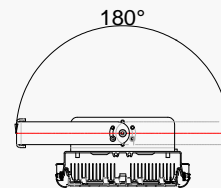
FL2H-7/-8

Tolerance:  $\pm 0.5$

## Bracket Adjustment



FL2H-1/ 2/ -3/ -4

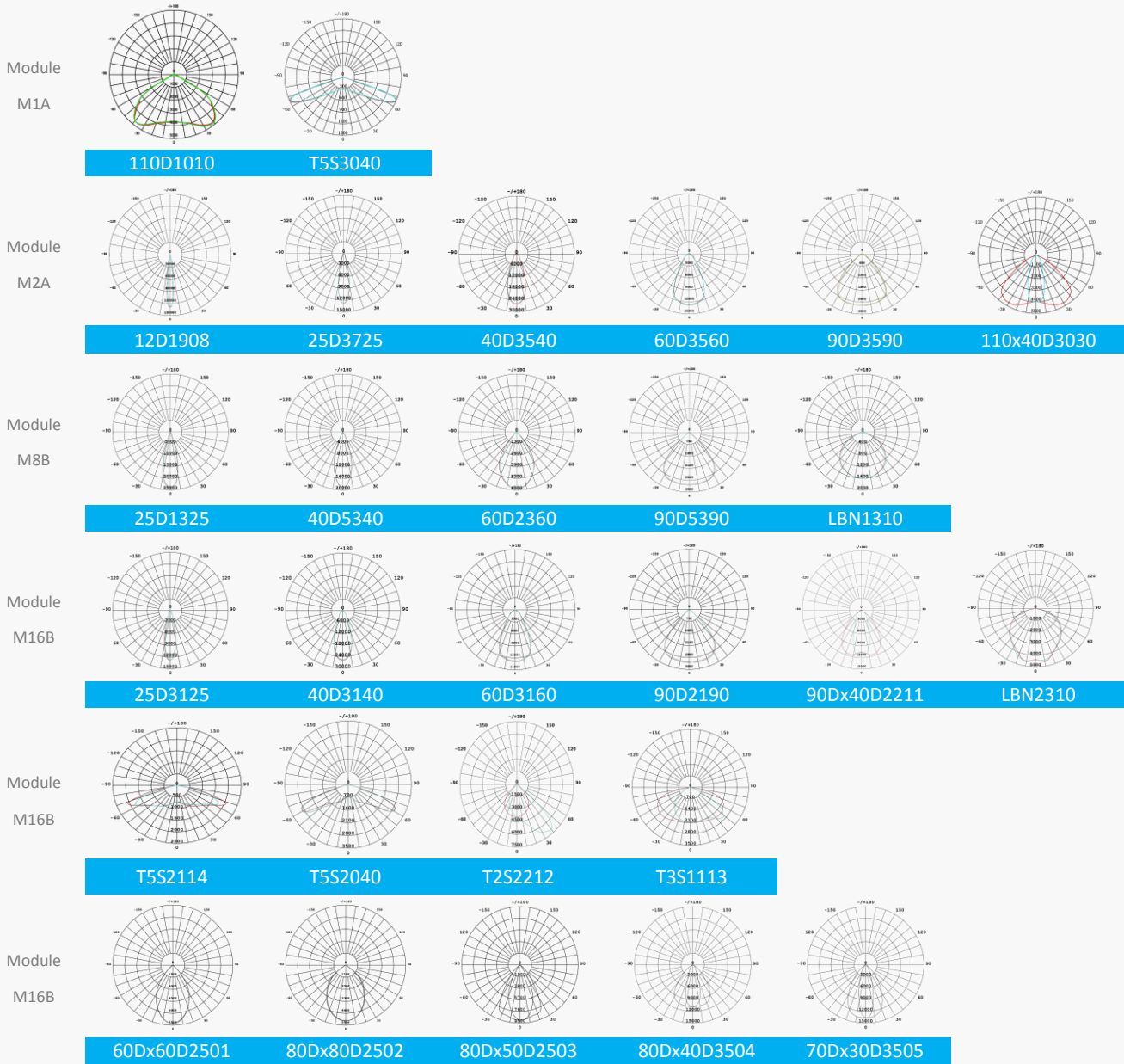


FL2H-5/ 6/ -7/ -8

# FL2H

## LED Flood Light

### Typical Distributions



### Version History

Change Date	Version	Item	Description of Change	
			From	To
2016/12/26	Rev1.0	Datasheets Release	/	/
2017/05/10	Rev1.1	Lighting Distributions		Added
2018/04/08	Rev1.2	Working Environment & Storage Temperature	-40℃~+50℃	-40℃~+45℃
2019/08/16	Ver. 2.0	New format Efficacy upgrade New lighting distributions added Company logo update	/	/