

FL1A




LED Flood Light



Specifications

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

Finishing 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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Ordering Information

Example: FL1A-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 1A 1A series	1 1 module	40 40W	M1A M1A module	A 3535	A CCC+VDE C PSE H UL X Others	18 18pcs
	2 2 modules	50 50W	M2A M2A module			
	3 3 modules	60 60W	M8B M8B module	C 3030		63 63pcs
 7 7 modules	350 350W 420 420W	M16B M16B module	B 5050		
Lens Code		CRI & CCT		Brand of LEDs	Driver Brand	Housing Color
1010 110degree 3040 Type Vs Short		7030 Ra≥70, CCT 3000K 7040 Ra≥70, CCT 4000K 7050 Ra≥70, CCT 5000K 7057 Ra≥70, CCT 5700K		LU LUMILEDS CM LUMILEDS Customized SS SAMSUNG NI NICHIA CR CREE LN LUMINUS XX Others	IN INVENTRONICS MO MOSO PH PHILIPS MW MEAN WELL XX Others	BK Black WH White BU Blue GY Gray
1908 12 degree 3725 25 degree 3540 40 degree	3560 60 degree 3590 90 degree 3030 110x40 degree					
1325 25 degree 5340 40 degree 2360 60 degree	5390 90 degree 1310 Lambertian type					
3125 25 degree 3140 40 degree 3160 60 degree 2190 90 degree 2211 90x40 degree 2310 Lambertian type 3504 80x40 degree 3505 70x30 degree	2114 Type V Short 2040 Type V Short 2212 Type II Short 1113 Type III Short 2501 60x60 degree 2502 80x80 degree 2503 80x50 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)
FL1A-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
FL1A-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
FL1A-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
FL1A-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
FL1A-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
FL1A-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
FL1A-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

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

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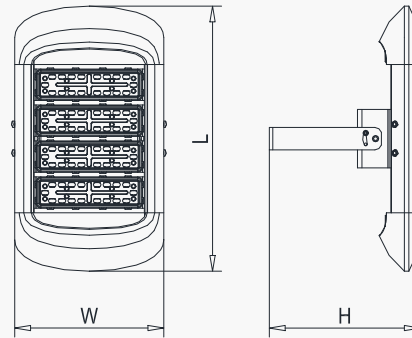
LED Flood Light

Product Dimensions

Model	L (mm)	W (mm)	H (mm)	N.W. (kg)
FL1A-1	350	350	335	4.8
FL1A-2	430	350	335	6.4
FL1A-3	510	350	335	7.4
FL1A-4	590	350	335	8.3
FL1A-5	670	350	475	11.1
FL1A-6	750	350	475	12.5

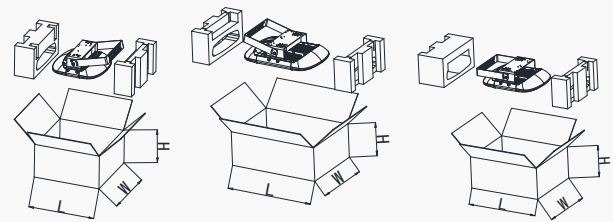
FL1A-7 830 350 475 13.7

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)
FL1A-1	450	430	230	5.9
FL1A-2	520	430	230	7.9
FL1A-3	600	430	230	8.9
FL1A-4	680	430	230	9.9
FL1A-5	785	430	230	12.9
FL1A-6	840	430	230	14.4
FL1A-7	920	430	230	15.6



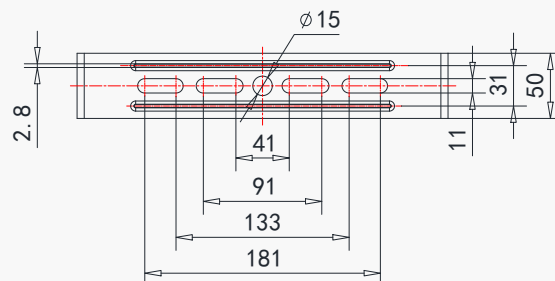
FL1A-1

FL1A-2/ -5/ -6/ -7

FL1A-3/ -4

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

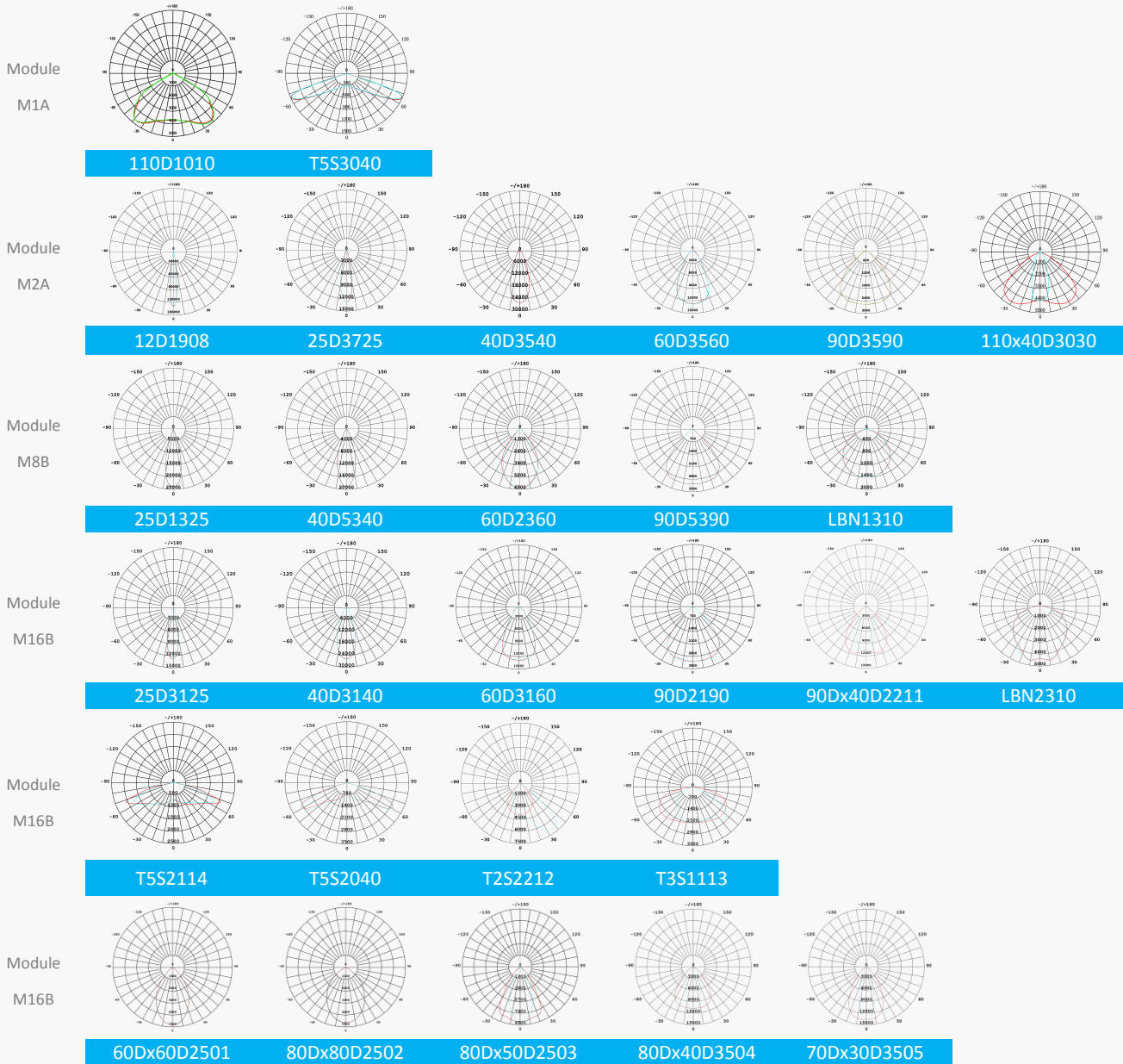
Installation Bracket



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Typical Distributions



Version History

Change Date	Version	Item	Description of Change	
			From	To
2017/11/30	Ver. 2.0	New format		
2019/08/16	Ver. 3.0	New format Efficacy upgrade New lighting distributions added	/	/