

FL31A

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, Galvanized Steel
IP Rating of LED Engine:	IP68
IP Rating of LED Driver:	IP67
Impact Resistance	IK09
Warranty:	5 Years Limited

Brackets Colors

■ Gray

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.

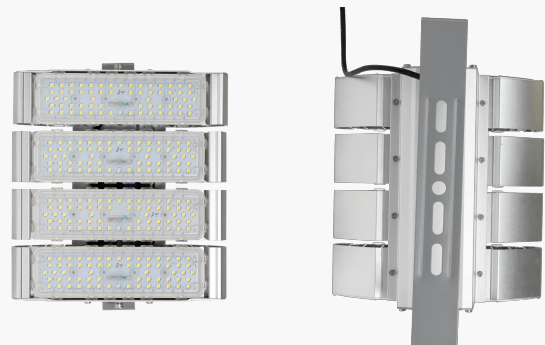
Optical

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

Installation

- Bracket adjustable within $\pm 180^\circ$.

Photos



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Ordering Information

Example: FL31A-4-200-M31A-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 31A 31A series	1 1 module	40 40W	M31A M31A module	A 3535	A CCC+VDE	18 18pcs
	2 2 modules	50 50W		C 3030	C PSE	63 63pcs
	3 3 modules	60 60W		B 5050	H UL	18 18pcs
	4 4 modules			X Others	28 28pcs
	5 5 modules	200 200W 240 240W 250 250W				
Lens Code		CRI & CCT		Brand of LEDs	Driver Brand	Bracket Color
1908 12 degree	3560 60 degree	7030 Ra≥70, CCT 3000K	LU LUMILEDS CM LUMILEDS Customized SS SAMSUNG NI NICHIA CR CREE LN LUMINUS XX Others	IN INVENTRONICS MO MOSO PH PHILIPS MW MEAN WELL AD ADAYO XX Others	GY Gray	
3725 25 degree	3590 90 degree	7040 Ra≥70, CCT 4000K				
3540 40 degree		7050 Ra≥70, CCT 5000K				
		7057 Ra≥70, CCT 5700K				
1325 25 degree	5390 90 degree					
5340 40 degree	1310 Lambertian type					
2360 60 degree						
3125 25 degree	2114 Type V Short					
3140 40 degree	2040 Type V Short					
3160 60 degree	2501 60x60 degree					
2190 90 degree	2502 80x80 degree					
2211 90x40 degree	2503 80x50 degree					
2310 Lambertian type						
3504 80x40 degree						
3505 70x30 degree						

Performance

Model	Power (W)	Module M31A-XA-18		Module M31A-XC-63		Module M31A-XB-18		Module M31A-VB-28	
		Efficacy (lm/W)	Flux (lm)	Efficacy (lm/W)	Flux (lm)	Efficacy (lm/W)	Flux (lm)	Efficacy (lm/W)	Flux (lm)
FL31A-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
FL31A-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
FL31A-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
FL31A-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
FL31A-5	200	137	27400	140	28000	160	32000	175	35000
	250	130	32500	135	33750	150	37500	170	42500

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

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

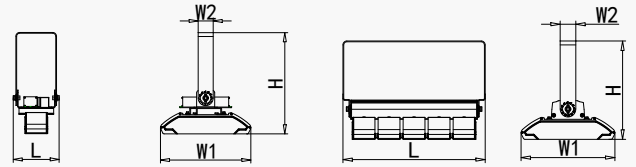
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Product Dimensions

Model	L (mm)	W1 (mm)	W2 (mm)	H (mm)	N.W. (kg)
FL31A-1	150	300	50	335	2.3
FL31A-2	335	300	50	310	3.9
FL31A-3	335	300	50	310	4.6
FL31A-4	375	300	50	310	5.4
FL31A-5	455	300	50	310	6.4

Notes: Typical values above. N.W. tolerance: 5%. Dimension tolerance: ± 5 mm



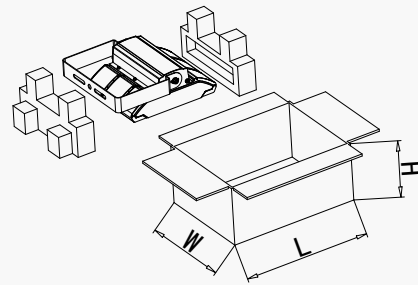
FL31A-1

FL31A-2/ -3/ -4/ -5

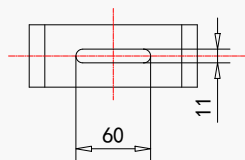
Package Information

Model	L (mm)	W (mm)	H (mm)	G.W. (kg)
FL31A-1	415	185	200	2.8
FL31A-2	415	355	190	4.8
FL31A-3	415	355	190	5.5
FL31A-4	415	395	190	6.3
FL31A-5	415	475	190	7.5

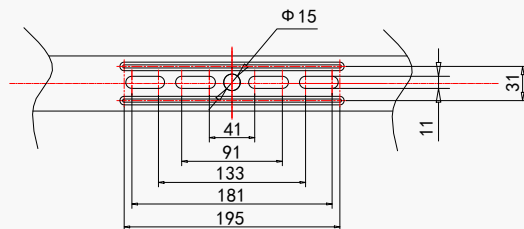
Notes: Typical values above. G.W. tolerance: 5%. Dimension tolerance: ± 5 mm



Installation Bracket



FL31A-1

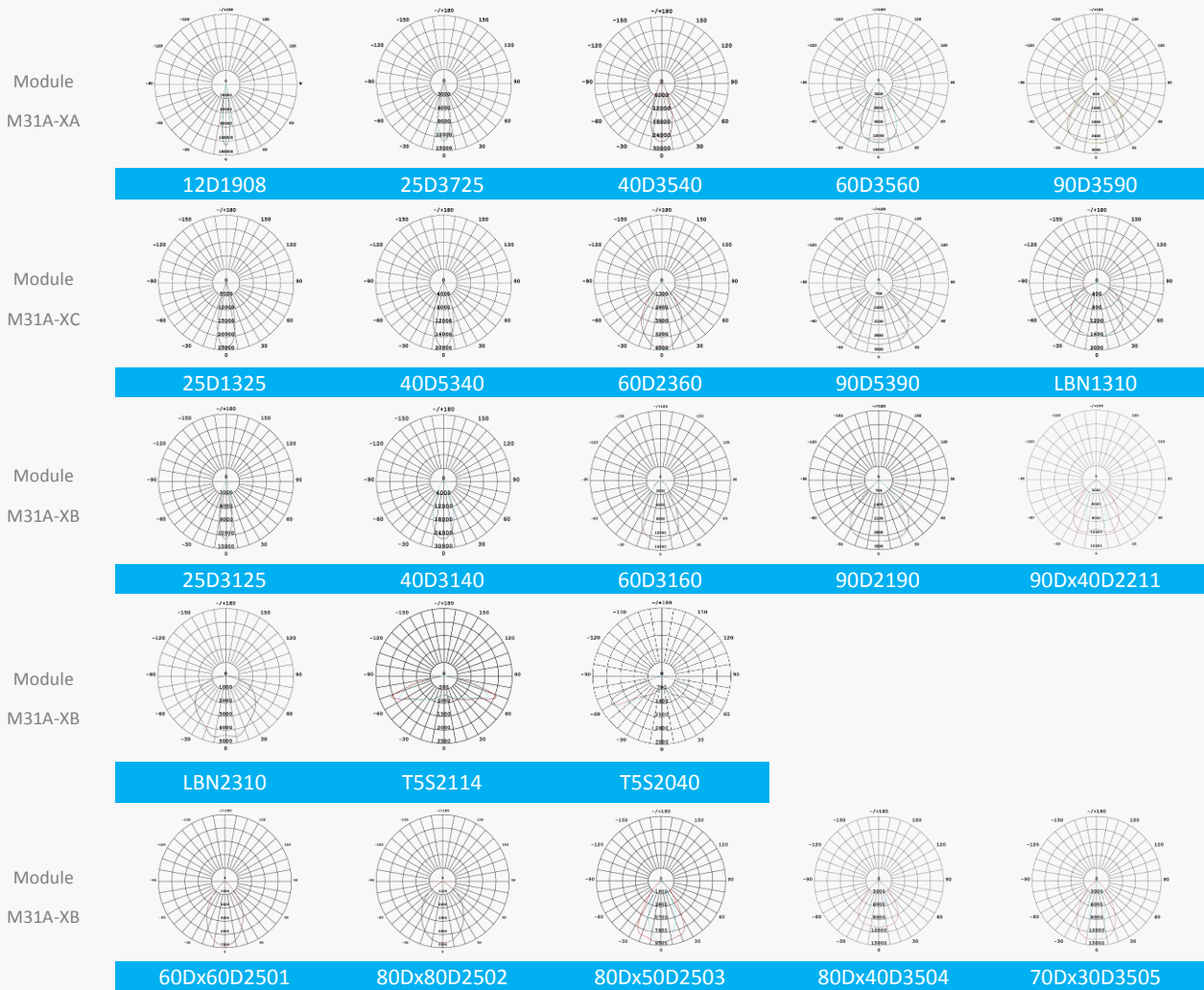


FL31A-2/ -3/ -4/ -5

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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	/	/
2021/5/28	Ver. 3.1	Lighting distribution options correction	T2S2212, T3S1113 of M31A-XB	Delete