

FL6C

LED Flood Light

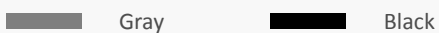


Specifications

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



Finishing Colors



Applications

- Public places (park, garden....)
- Advertisement (wall, billboard....)
- Wall pack

Features

Construction

- Whole structure heating dissipation design with efficient thermal conduction and radiation.
- Unique patented IP68 LED light engine.

Optical

- Ergonomic and specialized lighting distributions.

Mounting

- Bracket adjustable within $\pm 90^\circ$.

Photos



Ordering Information

Example : : FL6C-N1-60-AA-18-3540-7040-LU-MO-GY

FL6C

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Luminaire Type	Module Qty	System Power	LED Package	Cable Standard	LED Qty per Module
FL Flood light 6C 6C series	N1 1 Optical set	40 40W	A 3535	A CCC+VDE	18 18pcs
		50 50W	C 3030	C PSE	63 63pcs
		60 60W	B 5050	H UL X Others	18 18pcs 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	GY Gray
1908 12 degree	7050 Ra≥70, CCT 5000K	Customized	PH PHILIPS	
3725 25 degree	7057 Ra≥70, CCT 5700K	SS SAMSUNG	MW MEAN WELL	
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)
FL6C	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

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

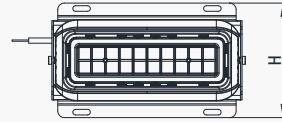
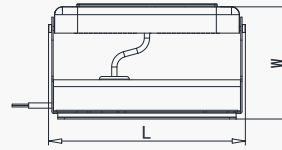
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Product Dimensions

Model	L (mm)	W1 (mm)	H1 (mm)	N.W. (kg)
FL6C	305	175	170	3.5

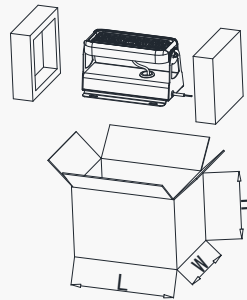
Notes: Typical values above. N.W. tolerance: 5%. Dimension tolerance: ± 5



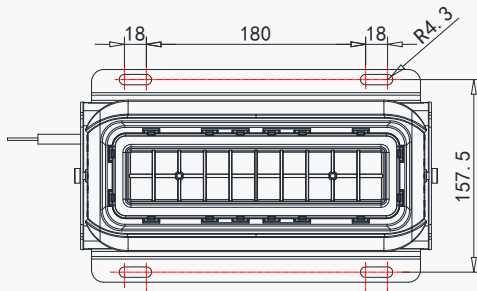
Package Information

Model	L (mm)	W (mm)	H (mm)	G.W. (kg)
FL6C	340	235	235	4.0

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

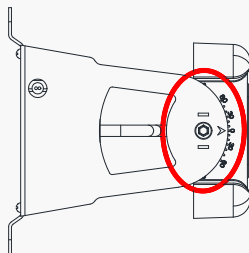


Installation Bracket

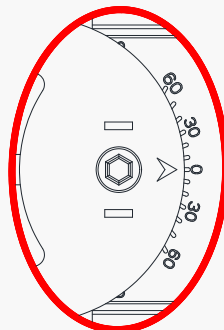


Tolerance: ± 0.5

Adjustment Range: $\pm 90^\circ$



Detail A

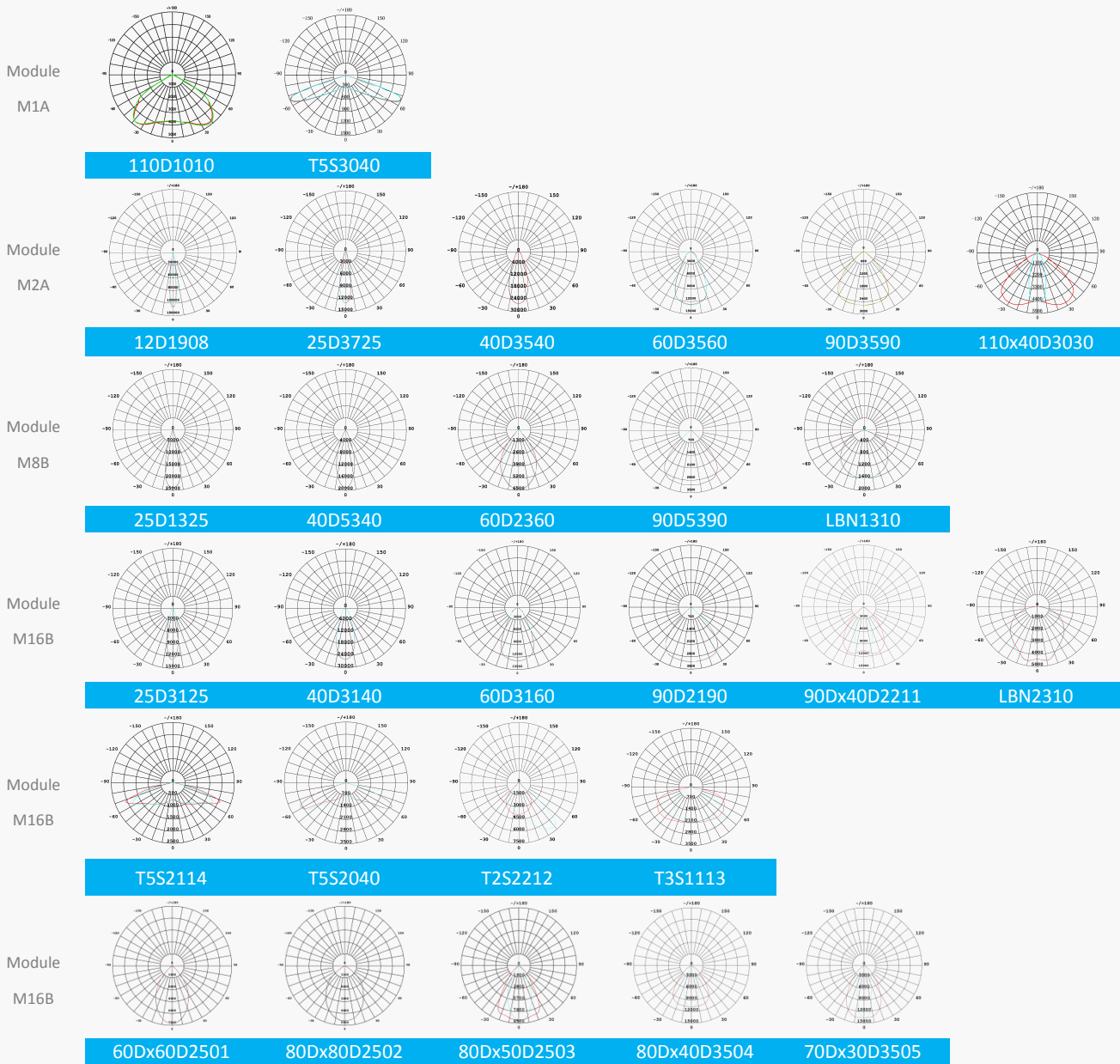


Detail A
Scale 3:1

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Typical Distributions



Version History

Change Date	Version	Item	Description of Change	
			From	To
2016/07/11	Rev1.0	Datasheets Release		
2019/08/21	Ver. 2.0	New format LED solutions added Efficacy upgrade New lighting distributions added	/	/