



APPLICATIONS

- Large outdoor space lighting (stadium, airport, parking lot....)
- High-mast lighting (square, port...)

SPECIFICATION

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:	RH 3000K, 4000K, 5000K, 5700K
CRI:	≥70
Housing	Die Casting Aluminum
IP Rating of LED Light Engine	Aluminium IP68
IP Rating of LED Driver:	IP67
Warranty	5 Years Limited

FEATURES

Construction

- Die-cast aluminum housing, compact and reliable mechanism and efficient heat dissipation.
- Unique patented IP68 LED light engines.
- Optimized design, not easy to accumulate water and dust.

Electrical

- Flexible to reach desired power consumption by choosing appropriate light engines.
- Up to 1500W with a maximum flux output of 225,000lm

Optical

- Stadium-lighting oriented lighting distribution available.
- Compatible with general flood lighting distributions.
- Light shields available by option for each row of modules.

Installation

- Bracket adjustable in $+(-)45^{\circ}$ ~ $+75^{\circ}$, with row of modules separately adjustable in -15° ~ $+15^{\circ}$.
- Laser sight available by option for precise aiming.
- Steel rope available by option for safe mounting.

FINISHING COLORS

	Gray		Black
	White		Dark Gray

PHOTOS



ORDERING INFORMATION

Example: FL40A-2-500-M40A-BA-96-2225-7040-CM-IN-DG

Luminaire Type	Module Qty	System Power	LED Module	LED Package	Cable Standard	LED Qty per Module		
FL Flood light	2 2 Modules	300 300W	M40A	A 3535LEDs	A CCC+VDE	96 96pcs		
	4 4 Modules	400 400W			C PSE			
	40A 40A series	6 6 Modules			500 500W		B 5050LEDs	H. UL
					900 900W			I. OTHER
					1200 1200W			
		1500 1500W						

Lens Code	CRI & CCT	Brand of LEDs	Driver Brand	Housing Color
2012 12 degree	7030 Ra≥70, 3000K	LU LUMILEDS	IN INVENTRONICS	BK Black
2318 Sports lighting	7040 Ra≥70, 4000K Ra≥70, 5000K	SS SAMSUNG	XX OTHERS	WH White
2225 25 degree	7050 Ra≥70,	C LUMILEDS M Customized SANAN SN LUMINUS LN		B Blue
1240 40 degree	7057 5700K			U Gra
2260 60 degree	8030 Ra≥80, 3000K			Y y
	9057 Ra≥90, 5700K			D Dark Gray
				G

PERFORMANCE

➤ 3535 (Lumileds/ Samsung) LEDs – 12º sport lighting

Model	Power (W)	CRI70, 3000/4000/5000/5700K		CRI80, 3000/4000/5000K		CRI90, 3000/4000/5000K	
		Efficacy (lm)	Flux Flux (lm/W)	Efficacy (lm) (lm/W)	Flux (lm)	Efficacy (lm/W)	Flux (lm)
FL40A-2	300	135	40500	124	37200	107	32100
	400	130	52000	118	47200	103	41200
	500	125	62500	115	57500	97	48500
FL40A-4	600	135	81000	124	74400	107	64200
	800	130	104000	118	94400	103	82400
	1000	125	125000	115	115000	97	97000
FL40A-6	900	135	121500	124	111600	107	96300
	1200	130	156000	118	141600	103	123600
	1500	125	187500	115	172500	97	145500

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

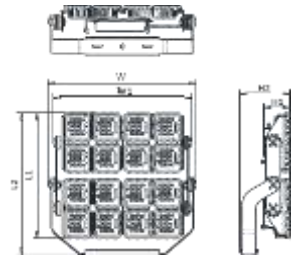
Note: 2. For CRI90, only Samsung available

➤ 5050 (Lumileds Customized) LEDs – 25°/ 40°/ 60°

Model	Power (W)	CRI70, 3000/4000/5000/5700K		CRI80, 3000/4000/5000/5700K		CRI90, 4000K/5000/5700K	
		Efficacy (lm)	Flux Flux (lm/W)	Efficacy (lm)	Flux (lm)	Efficacy (lm/W)	Flux (lm)
FL40A-2	300	164	49200	147	44100	132	39600
	400	157	62800	141	56400	127	50800
	500	150	75000	135	67500	121	60500
FL40A-4	600	164	98400	147	88200	132	79200
	800	157	125600	141	112800	127	101600
	1000	150	150000	135	135000	121	121000
FL40A-6	900	164	147600	147	132300	132	118800
	1200	157	188400	141	169200	127	152400
	1500	150	225000	135	202500	121	181500

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

Model	L1 (mm)	L2 (mm)	W1 (mm)	W2 (mm)	H1 (mm)	H2 (mm)	N.W. 1* (kg)	N.W. 2* (kg)
FL40A-2	260	335	600	600	112	220	9.6	13.0
FL40A-4	545	615	600	645	112	220	19.3	26.1
FL40A-6	830	900	600	655	112	220	29.7	39.9

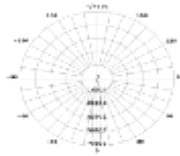


Notes: Typical values above subject to tolerance of 5%.

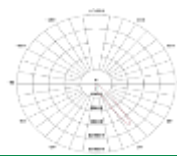
Notes: N.W. 1 refers to the main fixture; N.W. 2 refers to the body plus driver.

TYPICAL DISTRIBUTIONS

3535 LEDs

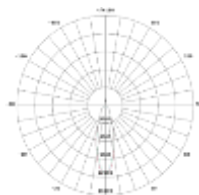


12D2012

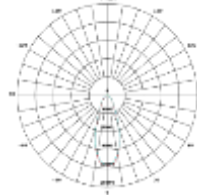


Sport Lighting 2318

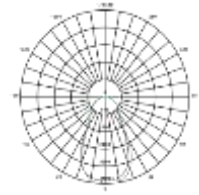
5050 LEDs



25D2225

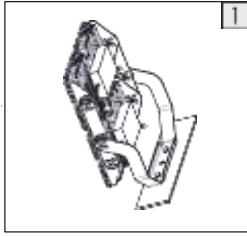


40D1240

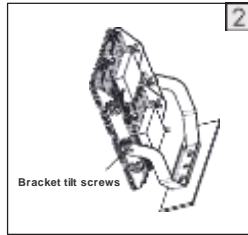


60D2260

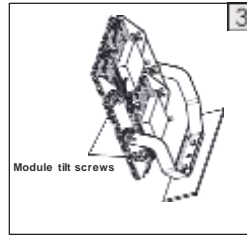
INSTALLATION



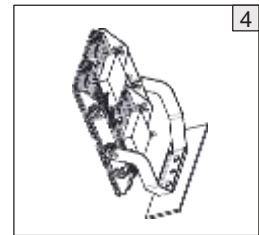
1. Power off. Mount the fixture with screws secured on the bracket.



2. Loosen the screws on the sides of bracket to tilt at a proper direction, then fasten up the screws.



3. Loosen the screws on the sides of LED modules to tilt at a proper direction, then fasten up the screws.



4. Connect input wires to AC power supply correctly. Keep the wiring in a waterproof space.

Wiring

Power Supply End	Earth wire	Neutral wire	Live wire
Fixture End	Yellow-green lead	Blue lead	Brown lead
	Green lead	White lead	Black lead

Caution

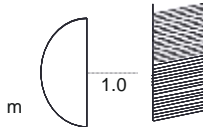
- a. Disconnect or turn off power before installation, maintenance and wiring.
- b. Cable connection must be insulated and waterproof.
- c. The light source of this luminaire is not replaceable. When the light source's lifetime comes to an end, it is the whole luminaire that should be replaced.

Warning: Danger! Electric shock risk!

(via IEC 60417-6042 (2011-11))



Minimum distance from the light source to the illuminated object: 1.0m.



The luminaire shall be installed by a qualified electrician and wired in accordance with the latest IEE electrical regulations or the national requirements.



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling

Remarks

1. This luminaire uses permanent connection on power supply with flexible cable and wires (60245 IEC57). Sufficient length of cable is reserved for connection to AC power. Protection over the connection joint and elimination of tensile force there should be ensured.
2. This luminaire uses type Z attachment: the external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the luminaire shall be destroyed.
3. Wiring: the connection to AC power should be operated on terminal blocks in a wiring box with a degree of protection at least equivalent to the luminaire, and there should be devices to fixate wires.
4. The luminaire can be mounted onto ordinary combustible surfaces.
5. The type of insulation between LV power supply and conductor control are listed as follows. The insulation maintenance can also rely on other external components (product) that connected to the same control bus. It is the responsibility of the control system designer, but not the luminaire manufacturer.
 - FELV control signal and LV power supply: basic insulation.
 - SELV control signal and LV power supply: reinforced insulation or double insulation.