

FL40A

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℃~ +35℃, 10% ~ 90% RH
CCT:	3000K, 4000K, 5000K, 5700K
CRI:	≥70 ≥80 ≥90
Housing:	Die Casting Aluminum
IP Rating of LED Light Engine:	IP68
IP Rating of LED Driver:	IP67
Warranty:	5 Years Limited
Dimming control options:	1-10V DALI

Finishing Colors

	Gray		Black
	White		Dark Gray

Applications

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

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

Photos



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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	3535 LEDs	A	CCC+VDE	96	96pcs
		4	4 Modules	400	400W				C	PSE		
		6	6 Modules	500	500W				H	UL		
			...	...				X	OTHER			
			900	900W								
40A	40A series			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	SS	SAMSUNG	XX	OTHERS	WH	White			
2225	25 degree	7050	Ra≥70, 5000K	CM	LUMILEDS Customized			BU	Blue			
1240	40 degree	7057	Ra≥70, 5700K	SN	SANAN			GY	Gray			
2260	60 degree	8030	Ra≥80, 3000K	LN	LUMINUS			DG	Dark Gray			
		...	...									
		9057	Ra≥90, 5700K									

Performance

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

Model	Power (W)	CRI70, 3000K/4000K/5000K/5700K		CRI80, 3000K/4000K/5000K/5700K		CRI90, 4000K/5000K/5700K	
		Efficacy (lm/W)	Flux (lm)	Efficacy (lm/W)	Flux (lm)	Efficacy (lm/W)	Flux (lm)
FL40A-2	300	155	46500	147	44100	145	43500
	400	150	60000	144	57600	141	56400
	500	148	74000	141	70500	135	67500
FL40A-4	600	155	93000	147	88200	145	87000
	800	150	120000	144	115200	141	112800
	1000	148	148000	141	141000	135	135000
FL40A-6	900	155	139500	147	132300	145	130500
	1200	150	180000	144	172800	141	169200
	1500	148	222000	141	211500	135	202500

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, 3000K/4000K/5000K/5700K		CRI80, 3000K/4000K/5000K/5700K		CRI90, 4000K/5000K/5700K	
		Efficacy (lm/W)	Flux (lm)	Efficacy (lm/W)	Flux (lm)	Efficacy (lm/W)	Flux (lm)
FL40A-2	300	164	49200	155	46500	149	44700
	400	157	62800	150	60000	144	57600
	500	150	75000	145	72500	135	67500
FL40A-4	600	164	98400	155	93000	149	89400
	800	157	125600	150	120000	144	115200
	1000	150	150000	145	145000	135	135000
FL40A-6	900	164	147600	155	139500	149	134100
	1200	157	188400	150	180000	144	172800
	1500	150	225000	145	217500	135	202500

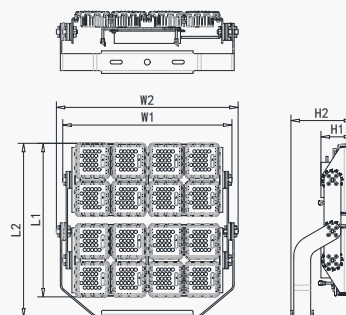
Note: 1. Values shown are subject to ±5%~±8% tolerance. Efficacy of 3000K is 5% lower than CCT≥4000K of same CRI

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Product Dimensions

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	45



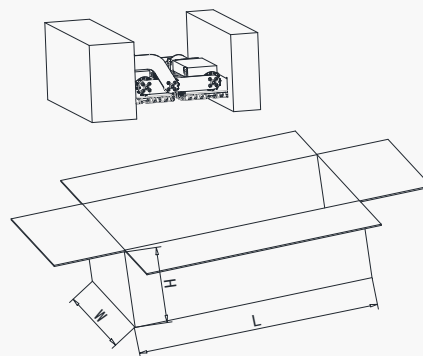
Notes: Typical values above subject to tolerance of 5%.

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

Package Information

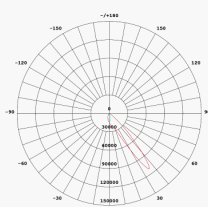
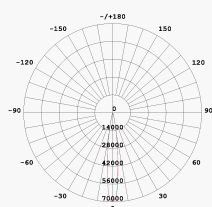
Model	L (mm)	W (mm)	H (mm)	G.W. (kg)
FL40A-2	650	440	330	15.7
FL40A-4	730	720	330	29.3
FL40A-6	1010	720	330	49

Notes: Typical values above subject to tolerance 5%.



Typical Distributions

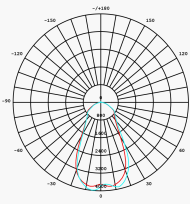
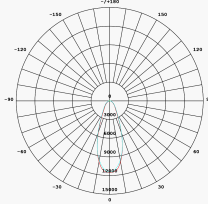
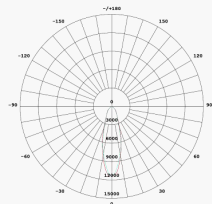
3535 LEDs



12D2012

Sport Lighting 2318

5050 LEDs



25D2225

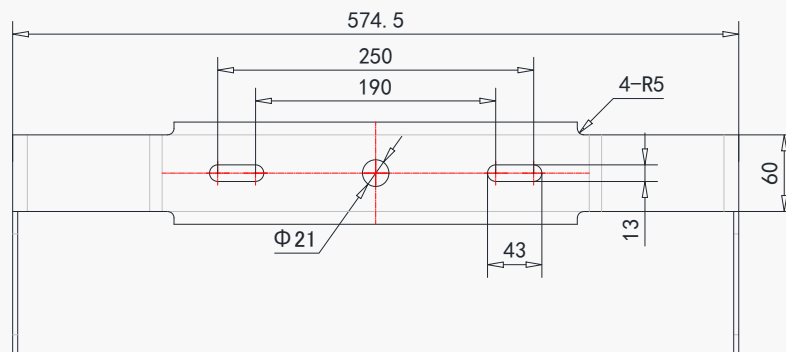
40D1240

60D2260

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Mounting Holes Dimensions



Notes: Typical values above subject to tolerance $\pm 0.5\text{mm}$.

Tilt

Mounting	Tilt Range	Diagram
Vertical	Bracket +45° ~ +75°, step by 5°	
	Modules* -15° ~ +15°, step by 5°	
Horizontal	Bracket -45° ~ +75°, step by 5°	
	Modules* -15° ~ +15°, step by 5°	

*Notes: module tilt only applicable on FL40A-4 and FL40A-6.

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LED Driver Installation Options

A.	B.	C.
LED Driver installed on the luminaire at the heat sink	LED Driver installed on a plate and separately from the luminaire, with 3 pin/ 5 pin/ 7 pin cables extended in-between.	LED Driver installed in a waterproof box and separately from the luminaire, with 3 pin/ 5 pin/ 7 pin cables extended in-between.
		

Optional Accessories



Laser Sight



Light Shield



Anti-dropping Steel Rope