



APPLICATIONS

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

FEATURES

Construction

- Die-cast aluminum housing, reliable mechanism.
- Unique patented IP68 LED light engines.

Electrical

- Up to 1500W with a maximum flux output of 225,000lm
- Specialized in stadium lighting while compatible with general flood lighting.
- 3m extension cable between the fixture and drivers

Optical

- Stadium-lighting oriented lighting distribution and CCT available.

Installation

- Bracket adjustable within 180° in both vertical and horizontal directions.
- Stainless steel bracket against harsh environment conditions.
- Laser sight available by option for precise targeting.

SPECIFICATIONS

Input Voltage:	100 ~ 277Vac
Input Frequency:	50 / 60Hz
Power Factor:	0.95
Surge Protection Level:	10kV line-earth
Working Environment:	-40°C~ +40°C, 10% ~ 90% RH
CCT:	3000K, 4000K, 5000K, 5700K
CRI:	≥70
Housing:	Die-cast aluminium, stainless steel
IP Rating of LED Light Engine:	IP68
IP Rating of LED Driver:	IP67, IP66
Warranty:	5 Years Limited

PHOTOS



ORDERING INFORMATION

Example: FL19A-6-1500-M25A-BA-24-2225-7040-CM-IN-GY

Luminaire Type		Module Qty		System Power			LED Package			Cable Standard		LED Qty per Module			
FL	Flood light	2	2 Modules	300	300W		A	3535 LEDs		A	CCC+VDE	96	96pcs		
		4	4 Modules	400	400W					C	PSE				
19A	19A series	6	6 Modules	500	500W		B	5050 LEDs		H	UL				
										X	OTHER				
				900	900W										
				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		WH	White Black Blue Gray Dark Gray		
2318	Sports lighting		7040 7050 7057 8030	Ra≥70, 4000K Ra≥70, 5000K Ra≥70, 5700K Ra≥80, 3000K		SS	SAMSUNG		X X		OTHERS	B			
2225 1240	25 degree 40 degree						C M LN	LUMILEDS Customized LUMINUS							K
															B
															U
		9057	... Ra≥90, 5700K								DG				

PERFORMANCE

➤ 3535 (Lumileds / Samsung) LEDs

Model	Power (W)	CRI70, 3000/4000/5000/5700K		CRI80, 3000/4000/5000K		CRI90, 3000/4000/5000K	
		Efficacy (lm)	Flux (lm/W)	Efficacy (lm/W)	Flux (lm)	Efficacy (lm/W)	Flux (lm)
FL19A-2	300	135	40500	124	37200	107	32100
	400	130	52000	118	47200	103	41200
	500	125	62500	115	57500	97	48500
FL19A-4	600	135	81000	124	74400	107	64200
	800	130	104000	118	94400	103	82400
	1000	125	125000	115	115000	97	97000
FL19A-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

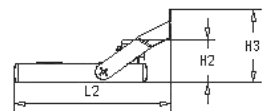
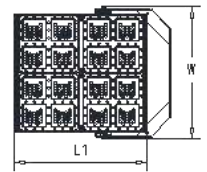
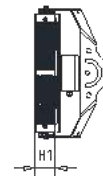
➤ 5050 (Lumileds Customized / Luminus) LEDs

Model	Power (W)	CRI70, 3000/4000/5000/5700K		CRI80, 3000/4000/5000/5700K		CRI90, 4000K/5000/5700K	
		Efficacy (lm/W)	Flux (lm)	Efficacy (lm/W)	Flux (lm)	Efficacy (lm/W)	Flux (lm)
FL19A-2	300	164	49200	147	44100	132	39600
	400	157	62800	141	56400	127	50800
	500	150	75000	135	67500	121	60500
FL19A-4	600	164	98400	147	88200	132	79200
	800	157	125600	141	112800	127	101600
	1000	150	150000	135	135000	121	121000
FL19A-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 $\pm 5\%$ – $\pm 8\%$ tolerance. Efficacy of 3000K is 5% lower than CCT \geq 4000K of same CRI

PRODUCT DIMENSIONS

Model	Power (W)	L1 (mm)	L2 (mm)	W (mm)	H1 (mm)	H2 (mm)	H3 (mm)	N.W.1* (kg)	N.W.2* (kg)
FL19A-2	320	310	420	600	90	194	300	19.0	21.6
	400								22.1
	500								23.0
FL19A-4	600	600	705	600	90	194	325	25.0	31.3
	800								33.6
	1000								35.3
FL19A-6	900	890	970	600	90	194	410	32.0	40.6
	1200								42.0
	1500								46.0



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

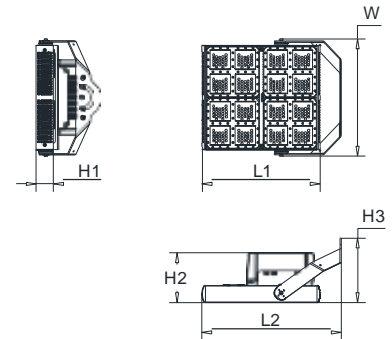
Notes: N.W. 1 refers to the main fixture; N.W. 2 refers to the main fixture plus driver, cable and junction box, subject to N.W.3 below.. Notes:

Extension cable between the fixture and the drivers is optional or customizable on length, default as 3m. Reference:

Model	Extension Cable Description	Cable N.W.3
FL19A-2	3-Pin, 3m, IP68	0.5
FL19A-4	5-Pin, 3m, IP68	0.8
FL19A-6	7-Pin, 3m, IP68	1.0

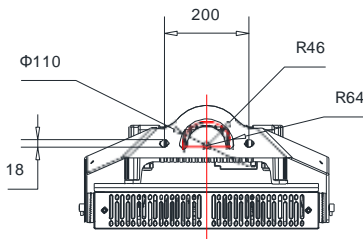
DIMENSIONS

Model	Power (W)	L1 (mm)	L2 (mm)	W (mm)	H1 (mm)	H2 (mm)	H3 (mm)	N.W. (kg)
FL19A-2	320	310	420	600	90	250	300	24.1
	400							24.6
	500							25.5
FL19A-4	600	600	705	600	90	250	325	32.5
	800							34.8
	1000							36.5
FL19A-6	900	890	970	600	90	250	410	46.1
	1200							47.5
	1500							51.5

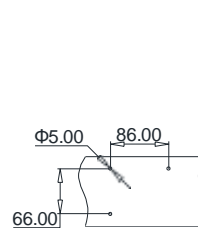


Notes: Typical values above subject to tolerance of 5%.

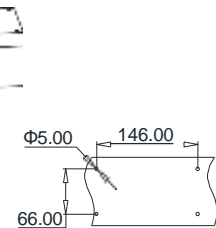
MOUNTING HOLES DIMENSIONS



Mounting Bracket



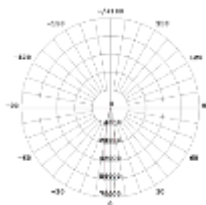
FL19A-2 Junction Box



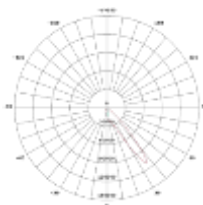
FL19A-4/ FL19A-6 Junction Box

TYPICAL DISTRIBUTIONS

3535
LEDs

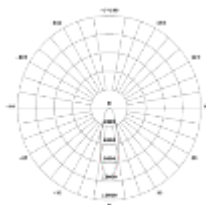


12D2012

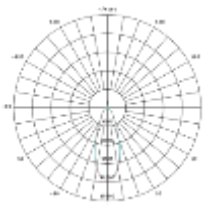


Sport Lighting 2318

5050
LEDs



25D2225



40D1240

DESCRIPTIONS

The luminaire contains a constant-current driver and LED light sources. It works under technical conditions as the product labels indicate.

TECHNICAL PARAMETER

	LED Flood Light							
Module Quantity	2		4			6		
Power	Max 500W		Max 1000W			Max 1500W		
Input Voltage	<input type="checkbox"/> 100~240V	<input type="checkbox"/> 100~277V	<input type="checkbox"/> 220~240V	<input type="checkbox"/> 120~277V	<input type="checkbox"/> 277~480V	<input type="checkbox"/> Other ____	Frequency	50/60Hz
Power Factor	0.95							
Working Environment	-40℃~+40℃, 10%~90%RH							
Bolt Torque	114Nm							
Mounting Height	0~35m							
Dimensions	600x420x300mm		600x705x325mm			600x970x410mm		
Net Weight1	19.0kg		25.0kg			32.0kg		
Net Weight2	23.0kg		35.3kg			46.0kg		
Project Area	0.252m²		0.423m²			0.582m²		
Degree of Protection	IP67							

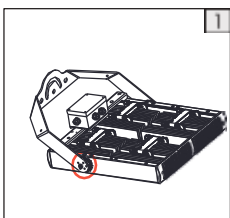
Notes: The net weights above are typical values. Net Weight 1 refers to the main body of fixture; Net Weight 2 refers to the whole fixture including the driver(s), cable of 3m and junction boxes, Other lengths of 3m extension line are optional, and the weight needs to be recalculated.

APPLICATIONS

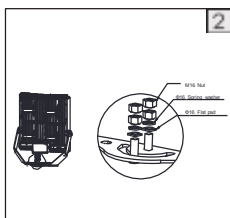
Applications: football field, golf course and other sports facilities; airport, crossroad and other traffic arteries.

INSTALLATION AND MAINTENANCE

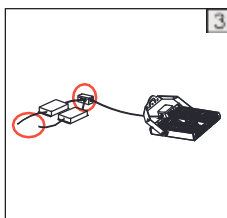
Installation



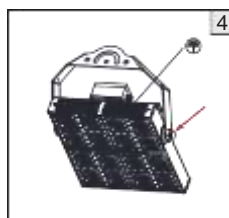
1. Mount the luminaire. Fixate the bracket onto the mounting surface with screws.



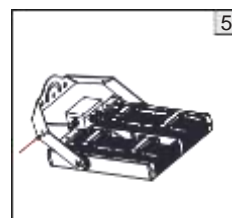
2. Mount the fixture with M16 nuts. (suggest two nuts for one screw)



3. Connect the driver output wires and luminaire input wires inside the junction box. Connect the driver with AC input correctly.

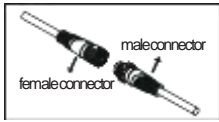


4. Adjust the fixture to a proper lighting direction. Then fasten through its mounting hole the M12 screws for the bracket. on the bracket. If any non-SELV driver is applied, please install a ground wire at where there is a grounding mark.



5. Install the anti-falling rope lighting direction. Then fasten through its mounting hole the M12 screws for the bracket. on the bracket.

CABLE CONNECTORS



1. Connect the male and female connectors by aligning the indicative arrow on them.



2. Hold the nut on one terminal still, meanwhile, rotating clockwise till the one on the other terminals is tightened up. Otherwise the waterproof performance might be affected.

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.** For luminaires with glass cover: the cover is made of tempered glass which shatters into small pieces without sharp edges when it breaks. Application condition: $-30^{\circ}\text{C} \sim 100^{\circ}\text{C}$; maximum temperature rise $\Delta t 60^{\circ}\text{C}$.
- d.** 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.

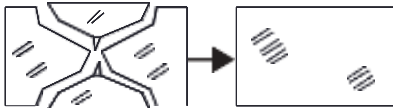
Warning: Danger! Electric shock risk!

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

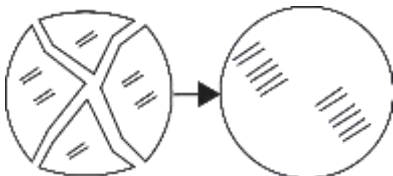


For luminaires with glass cover: The broken cover should be replaced.

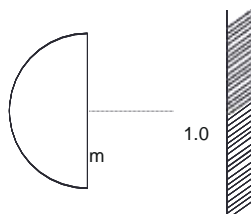
Rectangle



Round



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.ufficient.
- 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.