



## APPLICATIONS

- Sports facilities (stadium, football field, golf course....)
- Traffic arteries (airport, crossroad....)
- Advertisement (wall, billboard....)

## SPECIFICATION

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

## FEATURES

### Construction

- Die-cast aluminum housing.
- Unique patented IP68 LED light engines.
- Whole structure heating dissipation design with best thermal conduction and radiation.
- Tempered glass cover available as optional choice.
- IP67 rated luminaire. IP66 with the glass cover.

### Distribution

- Ergonomic and dedicated lighting distributions.

### Mounting

- Bracket adjustable within ±60°

## PHOTOS



## FINISHING COLORS

	Gray		Black
	White		Blue

## ORDERING INFORMATION

Example: FL21B-N1-30-BA-24-2260-7040-LU-MO-BK

Luminaire Type		Mo	dule Qty.	System Power			LED Package		Cable Standard		LED Qty per Module
FL	Flood light	N1	1 engines	30	30W		C	3030		A CCC+VDE	63 63pcs
				40	40W					C PSE	
21B	21B series			50	50W		B	5050		H UL	24 24pcs
				60	60w					X Others	
Lens Code			CRI & CCT			Brand of LEDs		Driver Brand		Housing Color	
1425	25 degree	1360	60 degree	7030	Ra≥70, CCT 3000K	LU	LUMILEDS	SS	SOSEN	BK	Black
2540	40 degree	1590	90 degree	7040	Ra≥70, CCT 4000K	XX	OTHER	IN	INVENTRONICS	WH	White
2225	25 degree	2260	60 degree	7050	Ra≥70, CCT 5000K			MO	MOSO	BU	Blue
1240	40 degree	2290	90 degree	7057	Ra≥70, CCT 5700K			XX	OTHER	GY	Gray

## PERFORMANCE

Model	Power (W)	3030 LEDs		5050 LEDs	
		Efficacy (lm/W)	Flux (lm)	Efficacy (lm/W)	Flux (lm)
FL21B-N1	30	135	4050	167	5010
	40	130	5200	163	6520
	50	125	6250	157	7850
	60	117	7020	150	9000

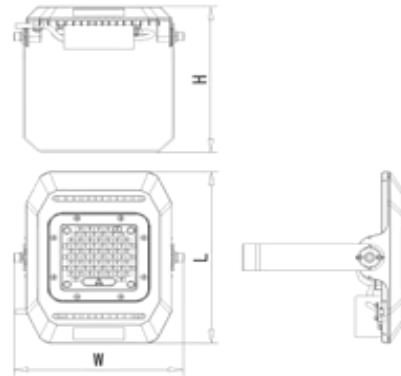
### Notes:

- 1: Above values are calculated based on the product with CRI≥7 and CCT over 3000K, values of CCT 3000K are 5% lower than above values.
- 2: Values shown are subject to ±5%~±8% tolerance.
- 3: With optional tempered glass cover, efficacy drops by around 8%.

### PRODUCT DIMENSIONS

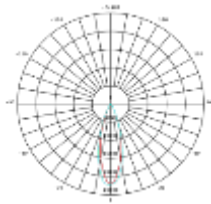
Model	L (mm)	W (mm)	H (mm)	N.W (kg)
FL1A-1	260	230	220	2.8

Notes: 1. Typical values above subject to tolerance of 5%.

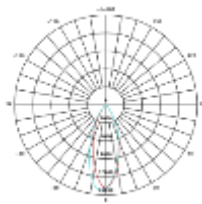


### TYPICAL DISTRIBUTIONS

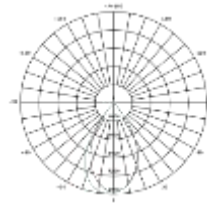
3030  
Solution



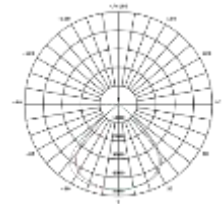
25D1425



40D2540

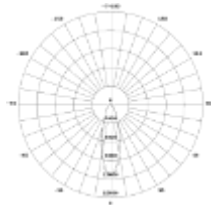


60D1360

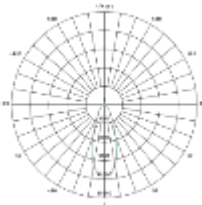


90D1590

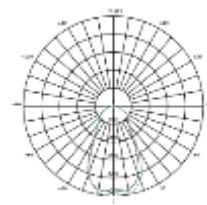
5050  
Solution



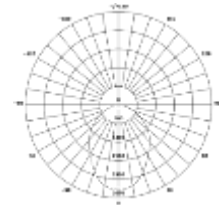
25D2225



40D1240



60D2260



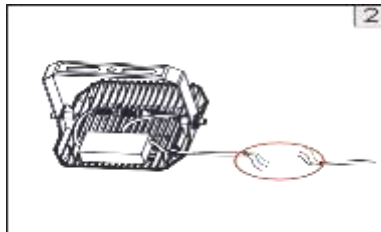
90D2290

## INSTALLATION AND MAINTENANCE

### INSTALLATION



1. Mount the luminaire. Fixate it with screws (not provided in box).



2. Connect the wires to AC input correctly. Make sure of a reliable grounding.

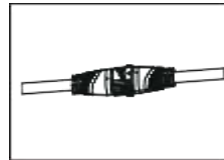


3. Loosen the screws on the sides, and adjust to a proper projection direction. Fasten up the screws.

### CABLE CONNECTION



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

Disconnect or turn off power before installation, maintenance and wiring.

Cable connection must be insulated and waterproof.

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.

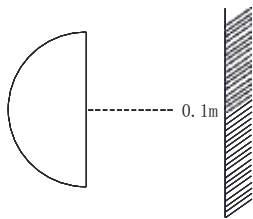
## INSTALLATION AND MAINTENANCE

Warning: Danger! Electric shock risk!  
(via IEC 60417-6042 (2011-11) )



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

Minimum distance from the light source to the illuminated object: 0.1m.



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.