



## SPECIFICATION

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

## FINISHING COLORS

	Gray		Black
	White		Dark Gray

## APPLICATIONS

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

## FEATURES

### Construction

- Compact light weight die-cast provides reliable construction.
- Whole structure heating dissipation design with efficient thermal conduction, radiation and convection.
- Unique patented IP68 LED light engines.
- Optional surface treatment solution against corrosion in coast

### Electrical

- Flexible to reach desired power consumption up to 960W by choosing appropriate light engines.
- Constant current, steady output and safety for LEDs.

### Optical

- A new generation of modular technique, higher efficiency.
- Ergonomic and specialized lighting distributions available for various area lighting.
- Narrow beam angle 10°/ 15° available for spot lighting.

## PHOTOS



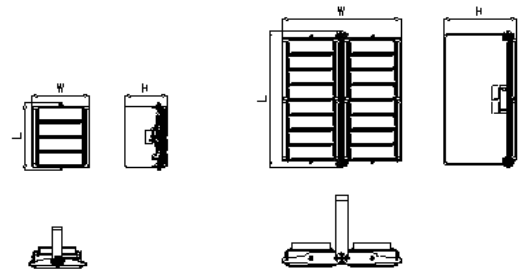
### ORDERING INFORMATION

Example: FL46A-N4-240-BA-36-1351-7040-CM-MO-GY

Luminaire Type	Module Qty	System Power	LED Package	Cable Standard	LED Qty per Module
FL Flood light  46A 46A series	<b>N1</b> N1 module	<b>40</b> 40W <b>50</b> 50W <b>60</b> 60W <b>300</b> 300W <b>600</b> 600W <b>960</b> 960W	<b>A</b> 3535 <b>B</b> 5050	<b>A</b> CCC+VDE <b>C</b> PSE <b>H</b> UL <b>X</b> Others	<b>36</b> 36pcs
	<b>N2</b> N2 modules				
	<b>N8</b> N8 modules				
	<b>N10</b> N10 modules				
	<b>N12</b> N12 modules				
	<b>N14</b> N14 modules				
	<b>N16</b> N16 modules				
Lens Code	CRI & CCT	Brand of LEDs	Driver Brand	Housing Color	
<b>1217</b> 10degree <b>1218</b> 15degree <b>3353</b> 25 degree <b>1351</b> 40 degree <b>1352</b> 60 degree	<b>7030</b> Ra≥70, CCT 3000K <b>7040</b> Ra≥70, CCT 4000K <b>7050</b> Ra≥70, CCT 5000K <b>7057</b> Ra≥70, CCT 5700K	<b>LU</b> LUMILEDS <b>CM</b> Customized <b>SS</b> SAMSUNG <b>NI</b> NICHIA <b>CR</b> CREE <b>OS</b> OSRAM <b>XX</b> Others	<b>IN</b> INVENTRONICS <b>MO</b> MOSO <b>PH</b> PHILIPS <b>MW</b> MEAN WELL <b>AD</b> ADAYO <b>XX</b> Others	<b>BK</b> Black <b>WH</b> White <b>GY</b> Gray <b>DG</b> Dark Gray	

### PRODUCT DIMENSIONS

Model	L (mm)	W (mm)	H (mm)	N.W (kg)
FL46A-N1	120	295	220	2.3
FL46A-N2	200	295	220	3.3
FL46A-N3	280	295	220	4.2
FL46A-N4	360	295	220	5.2
FL46A-N5	440	295	220	7.7
FL46A-N6	525	295	220	9.2
FL46A-N7	605	295	220	10.7
FL46A-N8	685	295	220	11.9
FL46A-N10	490	610	375	22.6
FL46A-N12	570	610	375	24.3
FL46A-N14	650	610	375	26.0
FL46A-N16	730	610	375	27.7
FL46A-N8	685	295	220	11.9



## PERFORMANCE

Example: FL46A-N4-240-BA-36-1351-7040-CM-MO-GY

Model	Power (W)	3535 LED Package		5050 LED Package	
		Efficacy (lm/W)	Flux (lm)	Efficacy (lm/W)	Flux (lm)
FL46A-N1	40	134	5360	165	6600
	50	130	6500	163	8150
	60	127	7620	157	9420
FL46A-N2	80	145	11600	176	14080
	100	142	14200	172	17200
	120	137	16440	167	20040
FL46A-N3	120	145	17400	176	21120
	150	142	21300	172	25800
	180	137	24660	167	30060
FL46A-N4	160	145	23200	176	28160
	200	142	28400	172	34400
	240	137	32880	167	40080
FL46A-N5	200	145	29000	176	35200
	250	142	35500	172	43000
	300	137	41100	167	50100
FL46A-N6	240	145	34800	176	42240
	300	142	42600	172	51600
	360	137	49320	167	60120
FL46A-N7	280	145	40600	176	49280
	350	142	49700	172	60200
	420	137	57540	167	70140
FL46A-N8	320	145	46400	176	56320
	400	142	56800	172	68800
	480	137	65760	167	80160
FL46A-N10	400	145	58000	176	70400
	500	142	71000	172	86000
	600	137	82200	167	100200
FL46A-N12	480	145	69600	176	84480
	600	142	85200	172	103200
	720	137	98640	167	120240
FL46A-N14	560	145	81200	176	98560
	700	142	99400	172	120400
	840	137	115080	167	140280
FL46A-N16	640	145	92800	176	112640
	800	142	113600	172	137600
	960	137	131520	167	160320

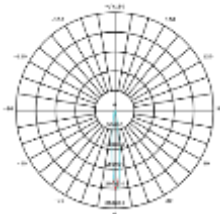
**Notes:**

1. Values shown are subject to ±5%~±8% tolerance. Efficacy of Ra70 3000K is 5% lower than data above.
2. Efficacy with lighting distribution 25D3353 is 8% lower than data above..

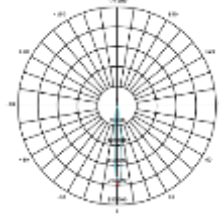
### TYPICAL DISTRIBUTIONS

Example: TF1A-4-240-M16B-BA-28-3160-7040-CM-MO-GY

3535 LEDs

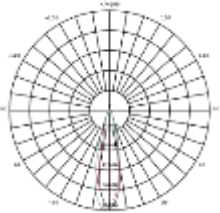


10D1217

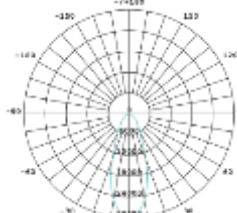


15D1218

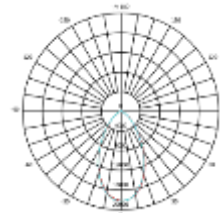
5050 LEDs



25D3353

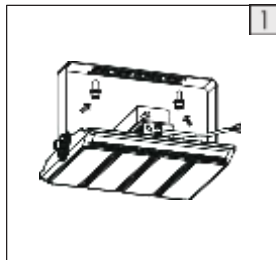


40D1351

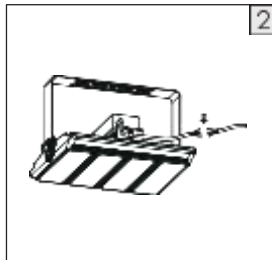


60D1352

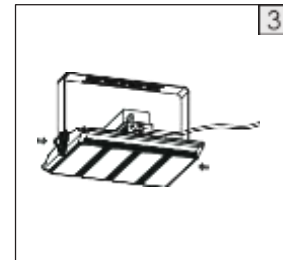
### INSTALLATION AND MAINTENANCE



1. Mount the fixture to the mounting surface.(recommend M10 screws)

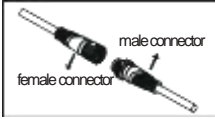


2. Connect the wires to AC input. Make sure it sufficiently grounded.



3. Loosen the screws on the sides. Adjust the body to a right angle. Tighten up the screws.

## CABLE CONNECTORS



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



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

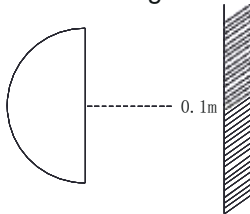
## CAUTION

- | 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.



Danger! Electric shock risk!

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.