



THE TRANSFORMER MODULE LED FLOOD LIGHT

TFDA Series

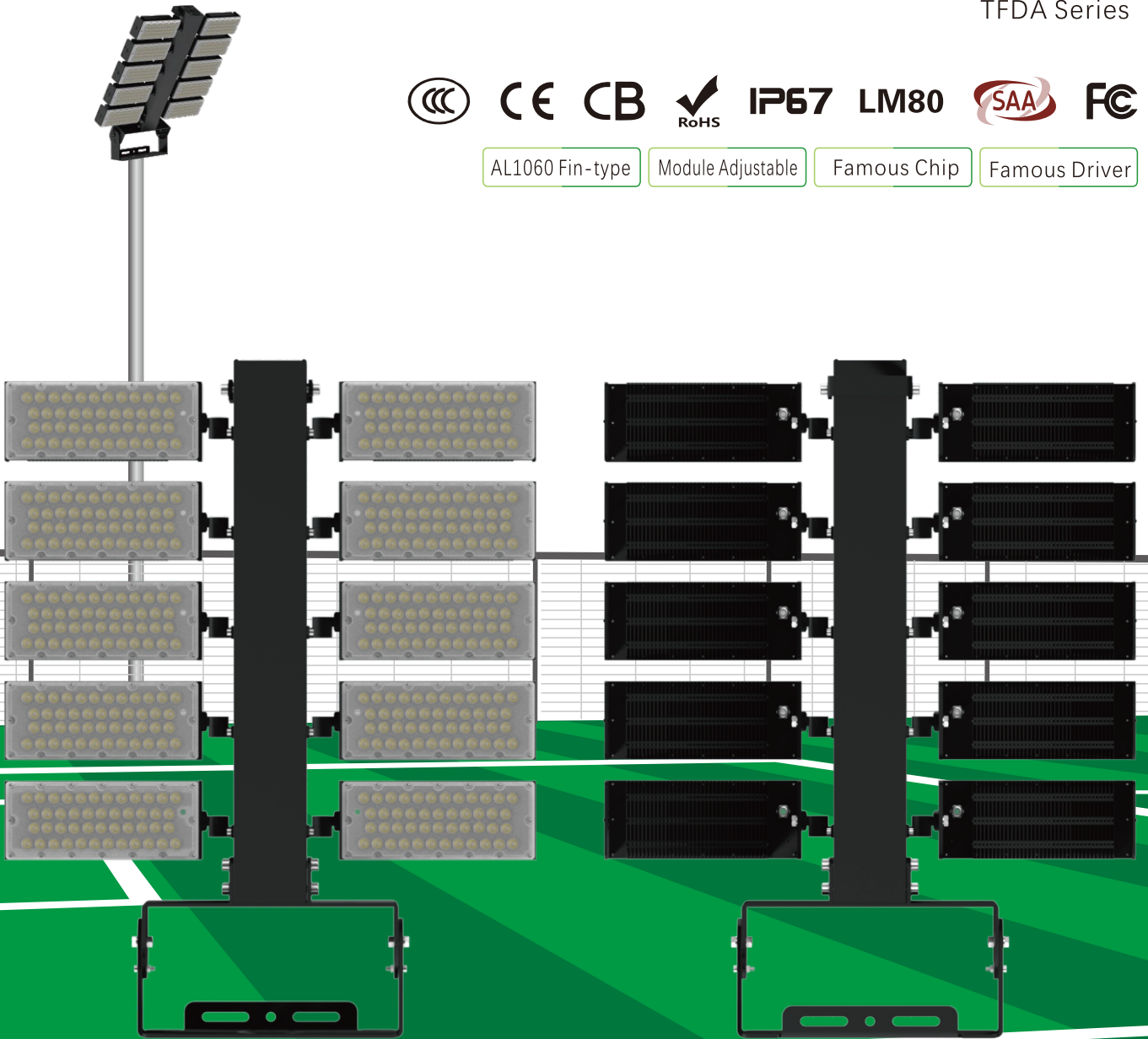


AL1060 Fin-type

Module Adjustable

Famous Chip

Famous Driver



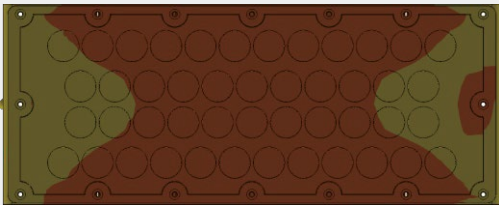
TFDA LED FLOOD LIGHTS



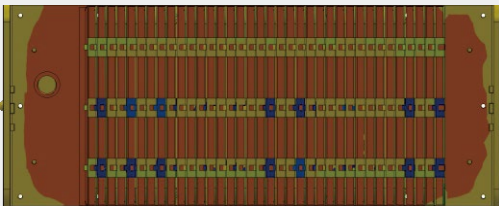
THERMAL MANAGEMENT

Scientific thermal structure for better lumen maintenance rate.

Use advanced FEA technology to optimize the design of product heat dissipation structure. The temperature rise of the lamp is well controlled, the temperature difference between inside and outside is small, the heat is evenly distributed, and the lumen maintenance rate is high. Power supply with heat sink. No direct contact-thermoelectric separation structure, longer lamp life.



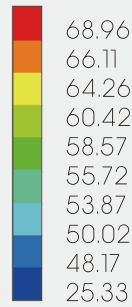
Thermal Conductivity(Front)



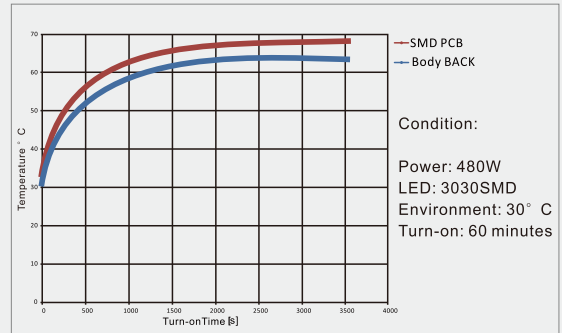
Thermal Conductivity(Back)



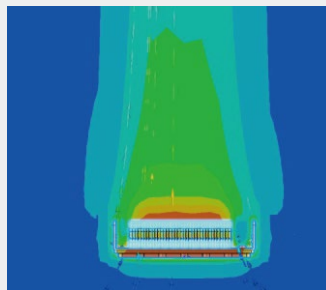
Thermal Conductivity(Side)



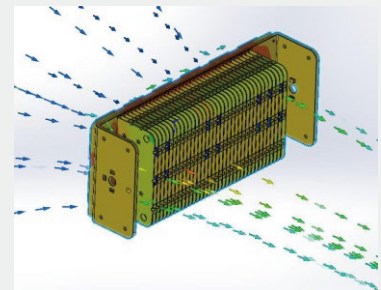
Unit: °C



Temperature-rise



Thermal Effect to Environment



Thermal Air Convection

STRUCTURE

Use 1060 fin type radiator. The thermal conductivity is as high as 230W/M.K. The heat dissipation surface area of the fin aluminum structure is about more than that of the die-cast aluminum lamp body of the same power 1.8 times, therefore, the same power fin aluminum lamp body can be lighter. There are gaps between the modules to facilitate air convection heat dissipation while allowing strong wind to pass through, reduce wind pressure. These characteristics make the wattage of the lamp can be made larger, but it does not increase the burden of the light pole excessively.

2 Genuine Taiwan Meanwell LED Driver is adopted. Stable performance. Trouble-free for projects.



1 Air convection structure has been adopted for battery house. Separated spaces for cool and hot parts. Lower temperature for led driver, longer longevity.

3 Modules are adjustable. Either vertically or horizontally. Met the requirements for precision lighting distributions.



Modules Adjustable

4

Material Comparison

AL1060 Efficiency: 230W/M.K
V.S.
ADC12 Efficiency: 96W/M.K

The heat dissipation surface area:

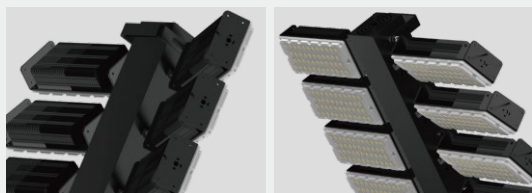
Fin aluminum structure is about: 90cm²/W.
V.S.
Die-casting aluminum structure is about: 50-60cm²/W.

6 Famous brand LED chip. Brighter luminous flux. Longer longevity.



7 Different lenses for diversified lighting distributions.

5 Strong bracket. The angle is lockable and fixed with screws. Resistance to strong wind and corrosion.



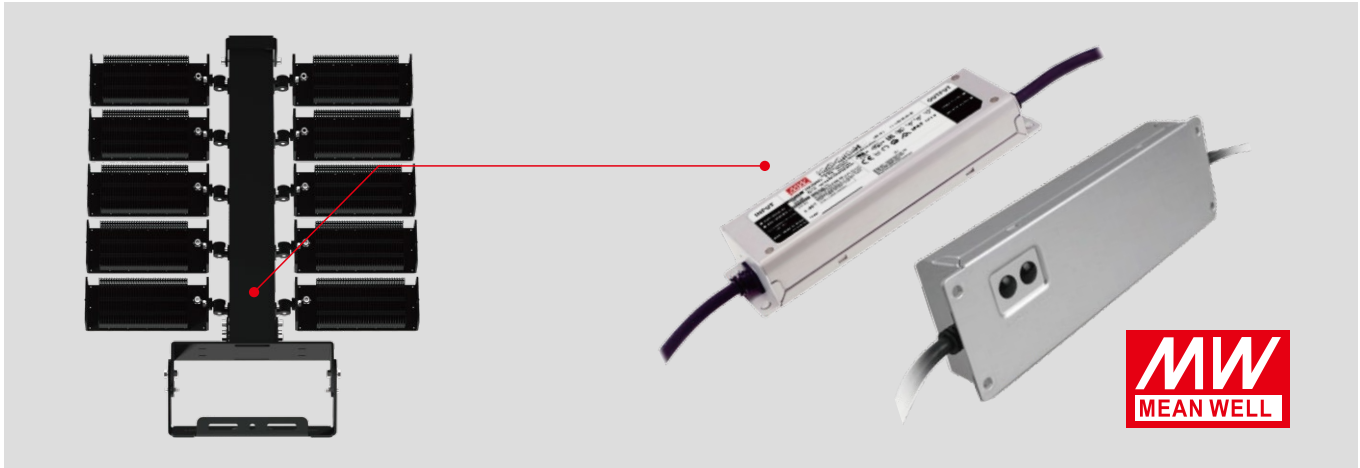
Horizontal Adjustable

Vertical Adjustable



Lenses available 20°/40°/60°/90°/120°/140°x100°.

ELECTRICAL



1. Universal input voltage AC100-305V/347-480V, 50/60Hz
2. Constant current output.
3. Internal PFC function.
4. IP67 protection.
5. PF > 0.95, Low THD.
6. Operational lifespan > 50,000 hours.
7. Efficiency 91.5%.
8. 5 years warranty.

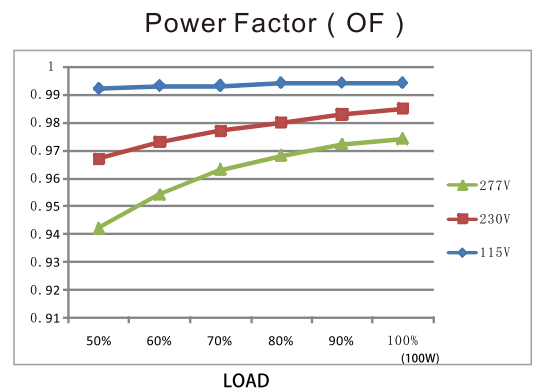
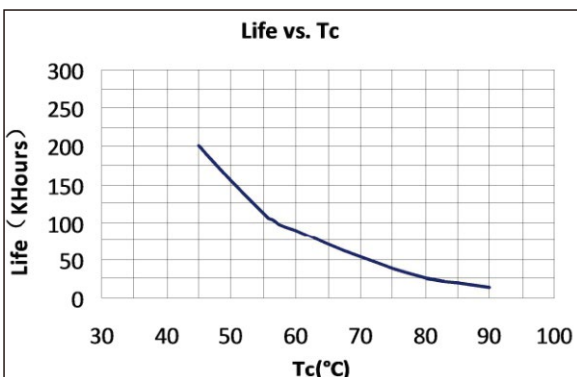
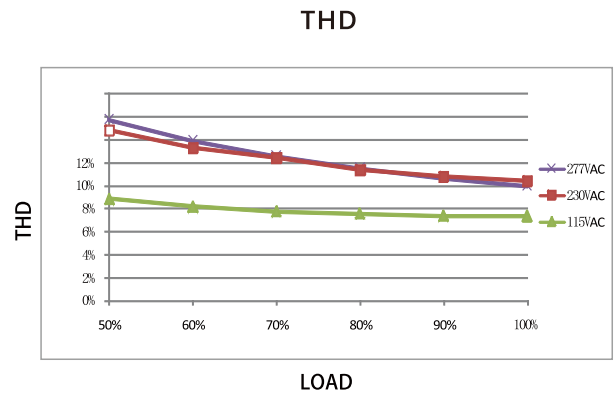
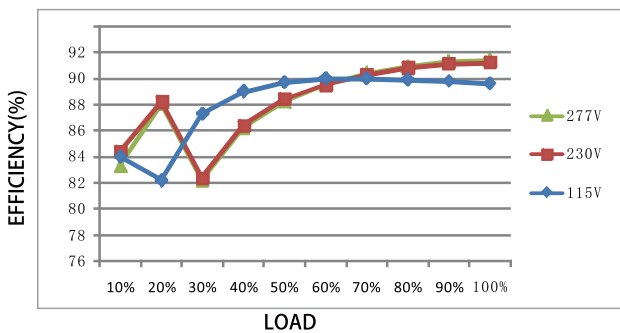
STABLE IS OF PRIORITY IMPORTANCE.

CAUTIONS: POWER OFF BEFORE INSTALLATION.



High Efficiency & Low THD

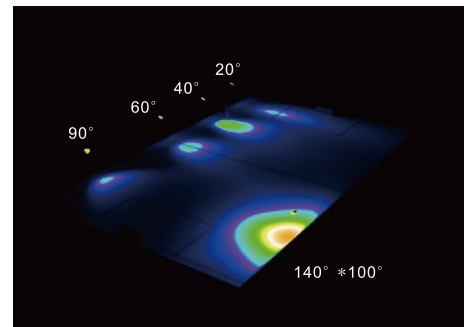
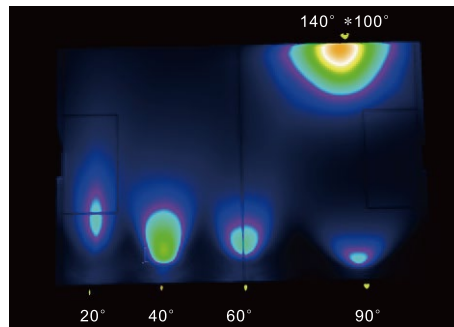
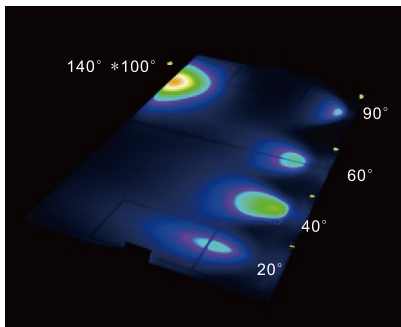
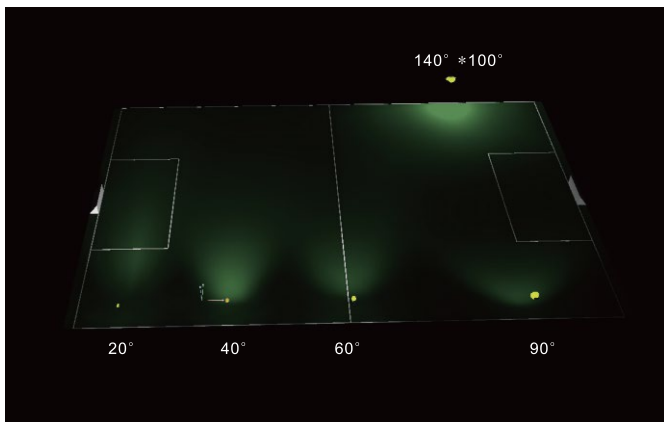
TFDA Series got high efficiency up to 91%.



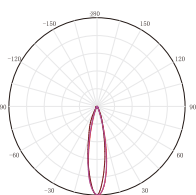
OPTICS

Scientific lighting distributions. Highly energy-saving.

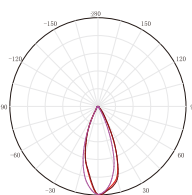
Tech. Support: Tell us the room length, width, height and the usage. We have an engineer team to respond the DIALUX simulations for lights quantity calculation and effects. .ies files are available upon request.



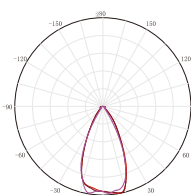
LIGHTING DISTRIBUTIONS



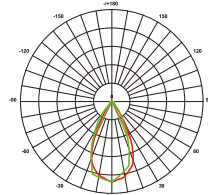
20°



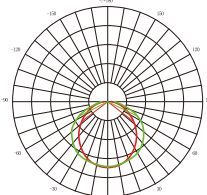
40°



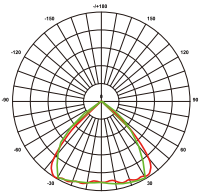
60°



90°



120°

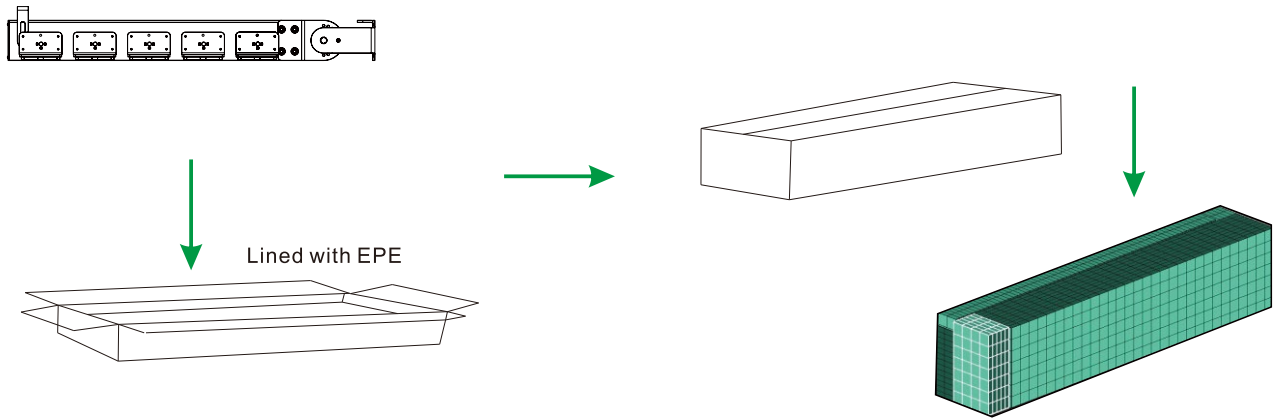


140° * 100°

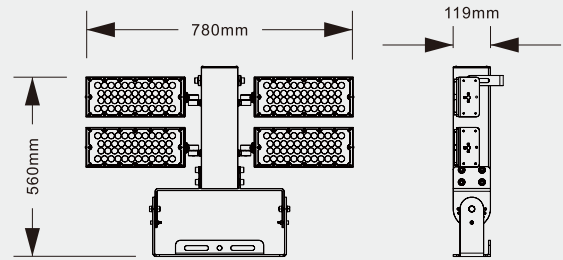
PARAMETERS

Model No.:	Parameters	Packing	LED	Optics	Efficacy(LM/W)	Driver
TFDA-480W	Power: 480W/600W	Size: 780*560*119	LumiledsSMD3030 PCB8S*23P 736PCS	60°/90°/140*100° Flat PC Cover	≥140LM/W	TAIWAN MEANWELL
	Input Voltage: AC100-305V	N.W.: 16.75KG				
		G.W.: 18.75KG	LumiledsSMD5050 PCB2S*23P 184PCS	20°/40°/60°/90°/140*100° Flat PC Cover		
		CRI: Ra≥70				
TFDA-600W	CCT: 2700-6500K	Size: 780*560*119	LumiledsSMD3030 PCB8S*23P 736PCS	60°/90°/140*100° Flat PC Cover	≥140LM/W	TAIWAN MEANWELL
	Power Factor: PF≥0.95	N.W.: 17.5KG				
		G.W.: 19.5KG	LumiledsSMD5050 PCB2S*23P 184PCS	20°/40°/60°/90°/140*100° Flat PC Cover		
		Protection Grade: IP67				
TFDA-720W	Power: 720W/900W	Size: 780*708*119	LumiledsSMD3030 PCB8S*23P 1104PCS	60°/90°/140*100° Flat PC Cover	≥140LM/W	TAIWAN MEANWELL
	Input Voltage: AC100-305V	N.W.: 22.5KG				
		G.W.: 26.0KG	LumiledsSMD5050 PCB2S*23P 276PCS	20°/40°/60°/90°/140*100° Flat PC Cover		
		CRI: Ra≥70				
TFDA-900W	CCT: 2700-6500K	Size: 780*708*119	LumiledsSMD3030 PCB8S*23P 1104PCS	60°/90°/140*100° Flat PC Cover	≥140LM/W	TAIWAN MEANWELL
	Power Factor: PF≥0.95	N.W.: 24.5KG				
		G.W.: 27.0KG	LumiledsSMD5050 PCB2S*23P 276PCS	20°/40°/60°/90°/140*100° Flat PC Cover		
		Protection Grade: IP67				
TFDA--960W	Power: 960W/1200W	Size: 780*856*119	LumiledsSMD3030 PCB8S*23P 1472PCS	60°/90°/140*100° Flat PC Cover	≥140LM/W	TAIWAN MEANWELL
	Input Voltage: AC100-305V	N.W.: 27.5KG				
		G.W.: 30.5KG	LumiledsSMD5050 PCB2S*23P 368PCS	20°/40°/60°/90°/140*100° Flat PC Cover		
		CRI: Ra≥70				
TFDA-1200W	CCT: 2700-6500K	Size: 780*856*119	LumiledsSMD3030 PCB8S*23P 1472PCS	60°/90°/140*100° Flat PC Cover	≥140LM/W	TAIWAN MEANWELL
	Power Factor: PF≥0.95	N.W.: 29KG				
		G.W.: 32KG	LumiledsSMD5050 PCB2S*23P 368PCS	20°/40°/60°/90°/140*100° Flat PC Cover		
		Protection Grade: IP67				
TFDA-1200W	Power: 1200W/1500W	Size: 780*1004*190	LumiledsSMD3030 PCB8S*23P 1840PCS	60°/90°/140*100° Flat PC Cover	≥140LM/W	TAIWAN MEANWELL
	Input Voltage: AC100-305V	N.W.: 32.6KG				
		G.W.: 34.1KG	LumiledsSMD5050 PCB2S*23P 460PCS	20°/40°/60°/90°/140*100° Flat PC Cover		
		CRI: Ra≥70				
TFDA-1500W	CCT: 2700-6500K	Size: 780*1004*190	LumiledsSMD3030 PCB8S*23P 1840PCS	60°/90°/140*100° Flat PC Cover	≥140LM/W	TAIWAN MEANWELL
	Power Factor: PF≥0.95	N.W.: 34.0KG				
		G.W.: 36.6KG	LumiledsSMD5050 PCB2S*23P 460PCS	20°/40°/60°/90°/140*100° Flat PC Cover		
		Protection Grade: IP67				

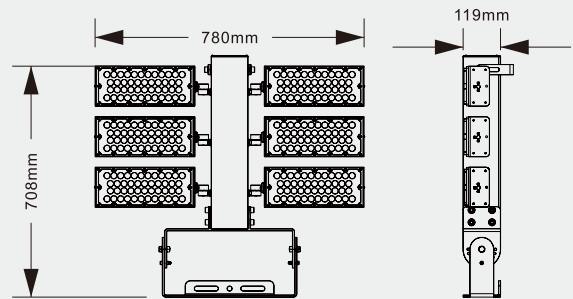
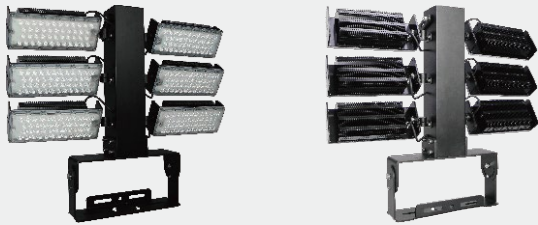
PACKAGING/PRODUCT DIAGRAMS



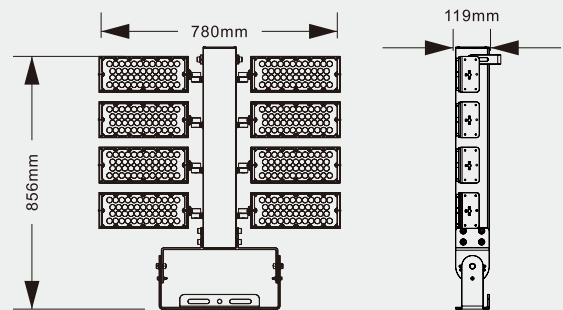
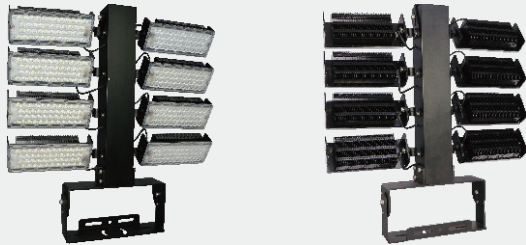
TFDA-480W/600W



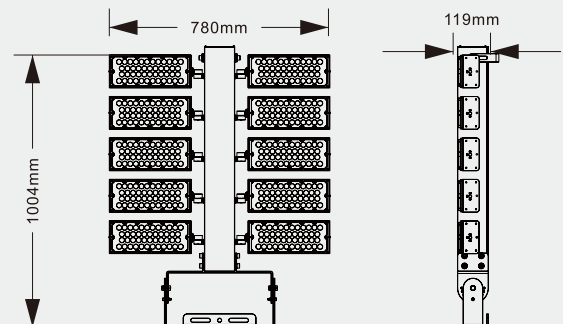
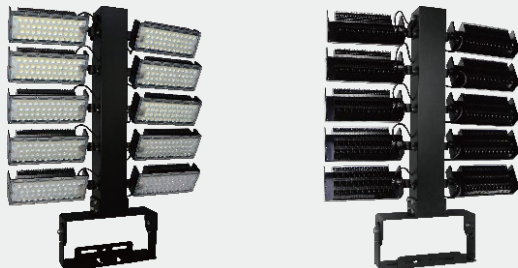
TFDA-720W/900W



TFDA-960W/1200W



TFDA-1200W/1500W



APPLICATIONS

This series of floodlights are widely used in outdoor places. IP67 design.

Can be installed in large sports centers, docks, airports, tower cranes, high mast, etc...



Football Field



Airport



High Mast



Tower Cranes