

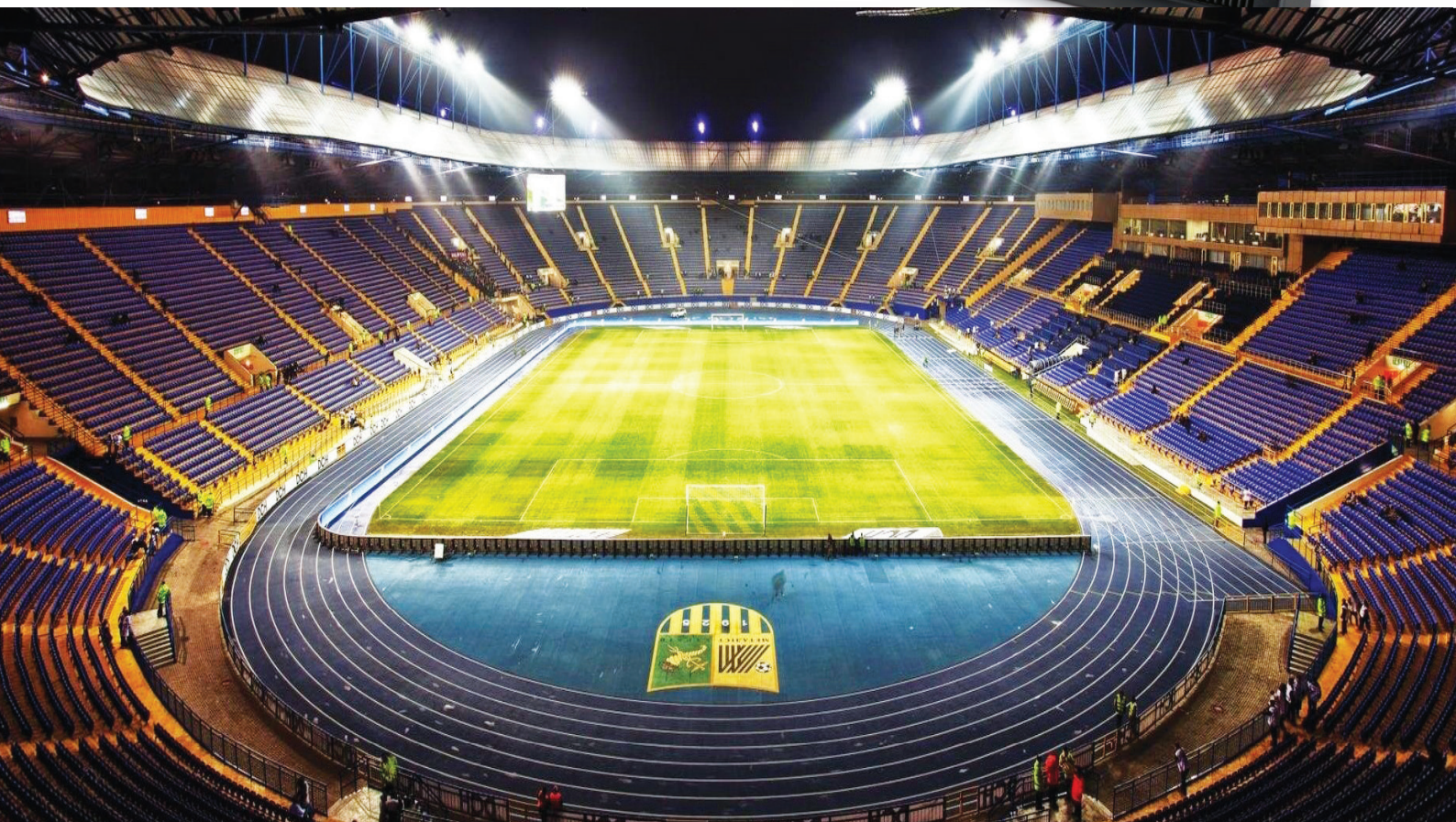
# APOLLO series

(SPE - FL)

Available from 60W to 800W IP65

Designed for sports, site and area applications such as:


- \* Class I, II & III outdoor sports fields & courts
- \* Indoor arenas
- \* Signage & Billboards
- \* Ports & Depots
- \* Heavy Industrial and wet locations



## APOLLO Series SPE-FL

IP65

### LED vs Metal Halide Replacement Table



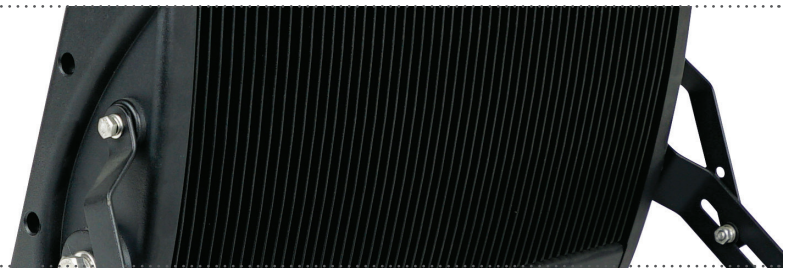
**LED Flood Light VS Metal Halide Flood Light**

**Energy Saving 60%**



60W / 80W	150W
100W / 150W	250W
200W / 250W	400W
300W / 350W	750W
400W / 500W	1000W
600W	1500W
800W	2000W

### Design Innovation



#### Fold-Fin Heatsink (FFH) technology

- formed by thin aluminum sheets and pressed into the desired fin structures by fully automated machines
- different parts of heatsink are then soldered together via a high temperature furnace.
- resulting in a heatsink with large total surface area and extremely light weight.

#### Air ventilation housing design

- the housing is designed in a way to allow very effective air flow across the heatsink.
- it helps to bring the heat away from LED light source by natural convection.

#### Distributed heat source

- distributed light source panel configuration to spread the heat source over large area.
- greatly reduced thermal density helps to lower the LED junction temperature.



# APOLLO Series SPE-FL

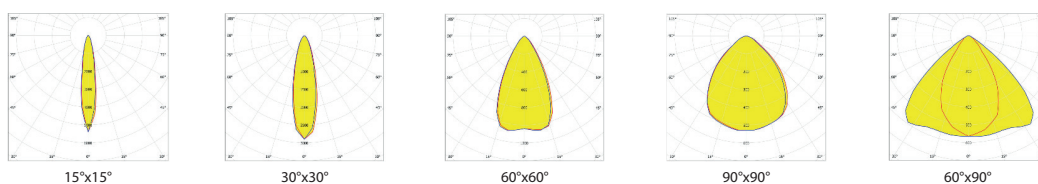
IP65



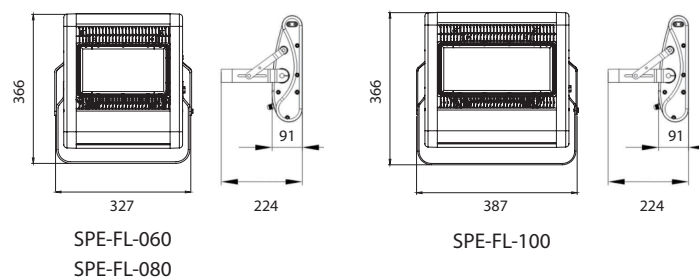
## Parameter

Model No.	SPE-FL-060	SPE-FL-080	SPE-FL-100
Input Voltage	100-305V AC	100-305V AC	100-305V AC
LED Power	60 W	80 W	100W
System Power	66 W	90 W	110W
Luminous Flux	7,200 lm	9,600 lm	12,000 lm
System Efficacy	110 lm/W	110 lm/W	110 lm/W
Beam Angle	15°x15° / 30°x30° / 60°x60° / 90°x90° / 60°x90° / 85°x45° / 85°x90° / 60°x135° / 85°x 135°		
CCT (K)	3000 / 4000 / 5000 / 6500	3000 / 4000 / 5000 / 6500	3000 / 4000 / 5000 / 6500
CRI	80	80	80
Dimmable	1-10V /DALI	1-10V /DALI	1-10V /DALI
Power Factor	> 0.90	> 0.90	> 0.90
Lifespan	50,000 H	50,000 H	50,000 H
Operating Temp.	-40°C ~ + 45°C	-40°C ~ + 45°C	-40°C ~ + 45°C
Dimension	327 x 91x 366 mm	327 x 91 x 366 mm	387 x 91 x 366 mm
Weight (kg)	5	6	6,5
Certifications	CE, CB, SAA, ETL	CE, CB, SAA, ETL	CE, CB, SAA, ETL

## Photometrics



## Dimensions (mm)



# APOLLO Series SPE-FL

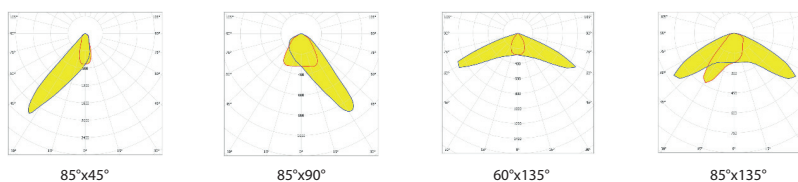
## IP65



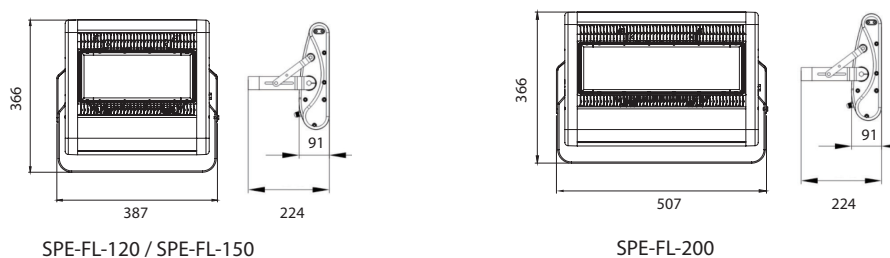
### Parameter

Model No.	SPE-FL-120	SPE-FL-150	SPE-FL-200
Input Voltage	100-305V AC	100-305V AC	100-305V AC
LED Power	120 W	150 W	200W
System Power	135 W	170 W	220W
Luminous Flux	14,000 lm	18,000 lm	24,000 lm
System Efficacy	110 lm/W	110 lm/W	110 lm/W
Beam Angle	15°x15° / 30°x30° / 60°x60° / 90°x90° / 60°x90° / 85°x45° / 85°x90° / 60°x135° / 85°x 135°		
CCT (K)	3000 / 4000 / 5000 / 6500	3000 / 4000 / 5000 / 6500	3000 / 4000 / 5000 / 6500
CRI	80	80	80
Dimmable	1-10V /DALI	1-10V /DALI	1-10V /DALI
Power Factor	> 0.90	> 0.90	> 0.90
Lifespan	50,000 H	50,000 H	50,000 H
Operating Temp.	-40°C ~ + 45°C	-40°C ~ + 45°C	-40°C ~ + 45°C
Dimension	387 x 91x 366 mm	387 x 91 x 366 mm	507 x 91 x 366 mm
Weight (kg)	6,5	8	8
Certifications	CE, CB, SAA, ETL	CE, CB, SAA, ETL	CE, CB, SAA, ETL

### Photometrics



### Dimensions (mm)



# APOLLO Series SPE-FL

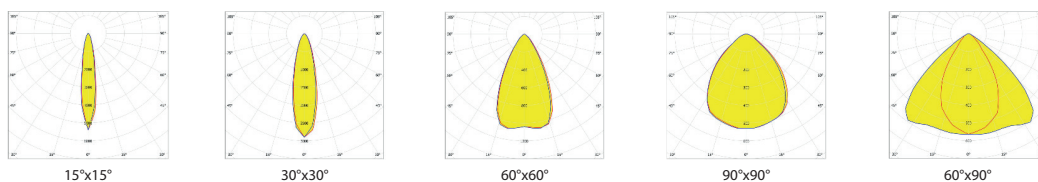
IP65



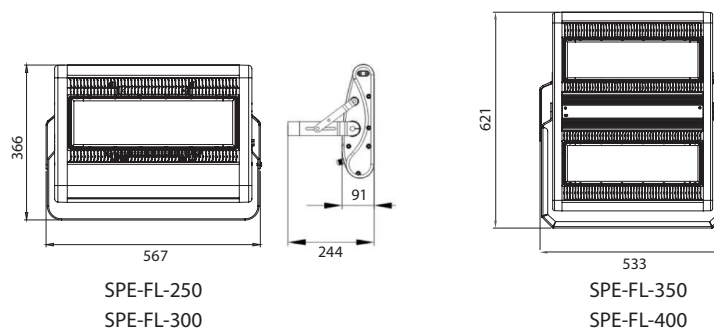
## Parameter

Model No.	SPE-FL-250	SPE-FL-300	SPE-FL-350	SPE-FL-400
Input Voltage	100-305VAC	100-305VAC	100-305VAC	100-305VAC
LED Power	250 W	300 W	350 W	400 W
System Power	280 W	330 W	390 W	440 W
Luminous Flux	30,000 lm	36,000 lm	42,000 lm	48,000 lm
System Efficacy	110 lm/W	110 lm/W	110 lm/W	110 lm/W
Beam Angle	15°x15° / 30°x30° / 60°x60° / 90°x90° / 60°x90° / 85°x45° / 85°x90° / 60°x135° 85°x 135°			
CCT (K)	3000 / 4000 / 5000 / 6500	3000 / 4000 / 5000 / 6500	3000 / 4000 / 5000 / 6500	3000 / 4000 / 5000 / 6500
CRI	80	80	80	80
Dimmable	1-10V /DALI	1-10V /DALI	1-10V /DALI	1-10V /DALI
Power Factor	> 0.90	> 0.90	> 0.90	> 0.90
Lifespan	50,000 H	50,000 H	50,000 H	50,000 H
Operating Temp.	-40°C ~ + 45°C	-40°C ~ + 45°C	-40°C ~ + 45°C	-40°C ~ + 45°C
Dimension	567 x 91x 366 mm	567 x 91x 366 mm	533 x 91x 621 mm	533 x 91x 621 mm
Weight (kg)	9	17	17,5	19
Certifications	CE, CB, SAA, ETL	CE, CB, SAA, ETL	CE, CB, SAA, ETL	CE, CB, SAA, ETL

## Photometrics



## Dimensions (mm)



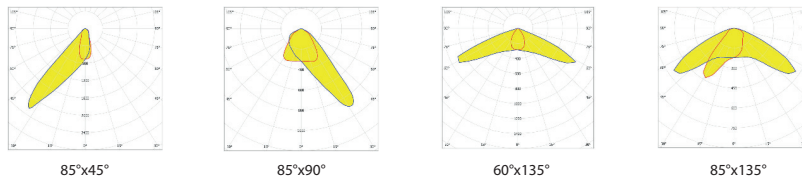
# APOLLO Series SPE-FL IP65



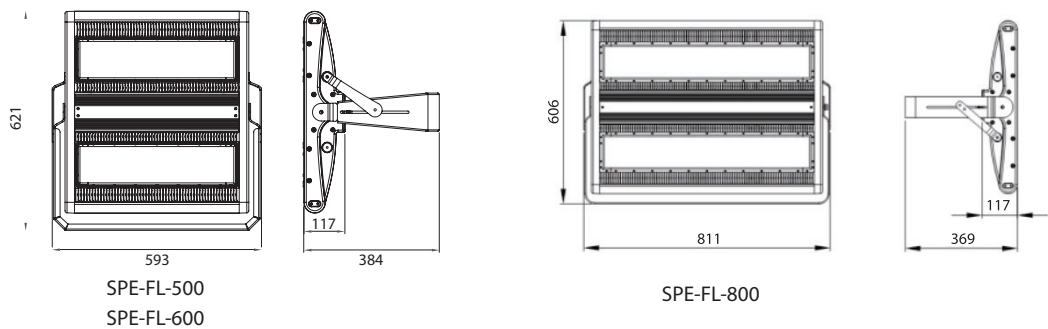
## Parameter

Model No.	SPE-FL-500	SPE-FL-600	SPE-FL-800
Input Voltage	100-305V AC	100-305V AC	100-305V AC
LED Power	500 W	580 W	800W
System Power	550 W	640 W	880W
Luminous Flux	60,000 lm	70,500 lm	96,800 lm
System Efficacy	110 lm/W	110 lm/W	110 lm/W
Beam Angle	15°x15° / 30°x30° / 60°x60° / 90°x90° / 60°x90° / 85°x45° / 85°x90° / 60°x135° / 85°x 135°		
CCT (K)	3000 / 4000 / 5000 / 6500	3000 / 4000 / 5000 / 6500	3000 / 4000 / 5000 / 6500
CRI	80	80	80
Dimmable	1-10V /DALI	1-10V /DALI	1-10V /DALI
Power Factor	> 0.90	> 0.90	> 0.90
Lifespan	50,000 H	50,000 H	50,000 H
Operating Temp.	-40°C ~ + 45°C	-40°C ~ + 45°C	-40°C ~ + 45°C
Dimension	593 x 117x 621 mm	593 x 117x 621 mm	811 x 117x 606 mm
Weight (kg)	27	27,5	29,5
Certifications	CE, CB, SAA, ETL	CE, CB, SAA, ETL	CE, CB, SAA, ETL

## Photometrics

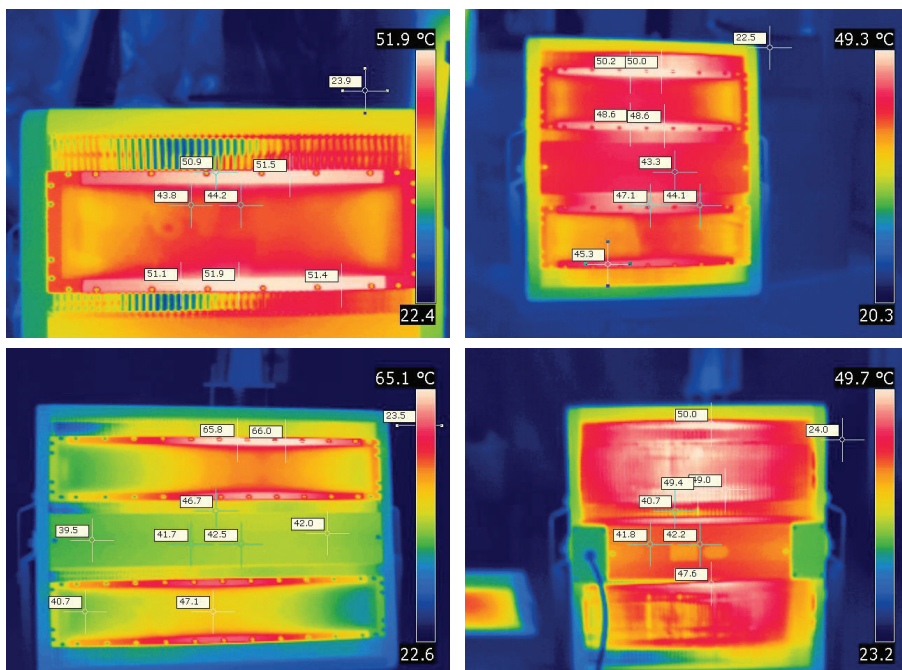


## Dimensions (mm)



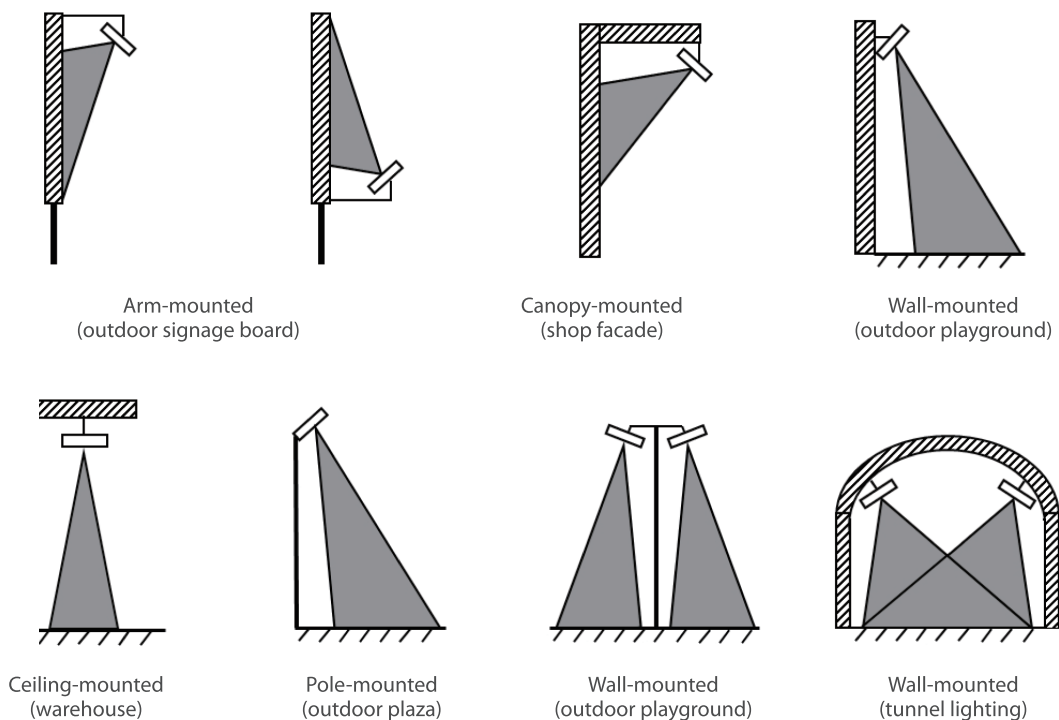


### Thermal Performance



All of our products are designed for superior thermal performance to ensure long lifetime operation.

### Installation Configuration Schematics



**Parameter**



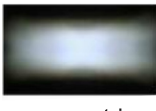
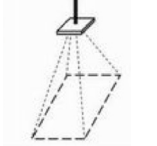
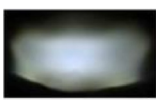
Model No.	Reflector Type	LED Light Source	Color Temp	Dimming Control	IP Rating
SPE-FL-060	15°x15°	Lumileds / Cree / OSRAM	3000K	Dimmable (PWM input) / (1-10V input)	IP65
SPE-FL-080	30°x30°		4000K		
SPE-FL-100	60°x60°		5000K		
SPE-FL-120	90°x90°		6500K		
SPE-FL-150	60°x90°			DALI	
SPE-FL-200	85°x45°			Non-Dimmable	
SPE-FL-250	85°x90°				
SPE-FL-300	60°x135°				
SPE-FL-350	(symmetric)				
SPE-FL-400	85°x135°				
SPE-FL-600	(asymmetric)				
SPE-FL-800					

**Note:**

- (1) Other color temperature available upon request
- (2) All models are IP65 rating
- (3) Available housing color: Black / White / Grey

**Accessories Order Information**

-  **Item**  
15°x15° lens
-  **Item**  
40°x40° lens
-  **Item**  
30°x30° lens
-  **Item**  
60°x60° lens
-  **Item**  
60°x135° lens (symmetric)
-  **Item**  
85°x135° lens (asymmetric)

Lens Type	Light Pattern	Projection Schematic
Round Type	 round	
Rectangular	 symmetric	
	 asymmetric	