



A R T O W

High Performance LED Lighting System



## High Power LED Lighting

Available in various designated beam angles fitted with efficient Philips Lumileds LUXEON LEDs, and powered by Meanwell driver, the A-LUX High Power LED light series offer the users not only superior quality of lighting exteriors, but also a supreme reliability.

With the special beam profile and uniform photometric distribution, this LED lighting series achieves high optical efficiency with state-of-the-art technology to boost up overall system efficiency.

With proprietary patented thermal management design to ensure low LED junction temperature, while maintaining the extremely light weight, this LED lighting series has become the unique product available in the outdoor lighting market.



Patented



**LUXEON**  
BY PHILIPS LUMILEDS

**LG**

**CREE**

**MW**  
MEAN WELL



## 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

## LED vs Metal Halide Replacement Table

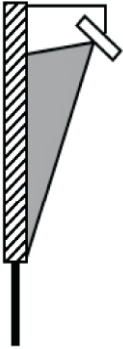
	
LED Flood Light	Metal Halide Flood Light
60W / 80W	150W
100W / 150W	250W
200W / 250W	400W
300W / 350W	750W
400W / 500W	1000W
600W	1500W

**60% Energy Saving !**

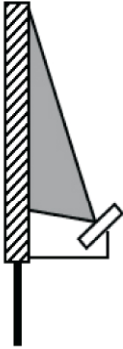
**LED  $\Rightarrow$  Metal Halide**



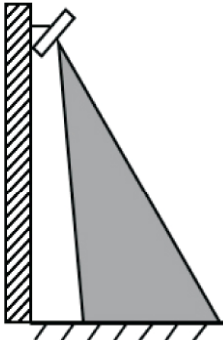
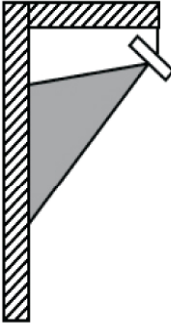
# Installation Configuration Schematics



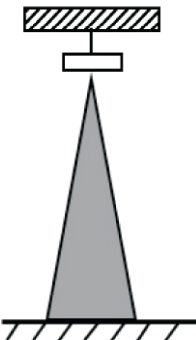
Arm-mounted  
(outdoor signage board)



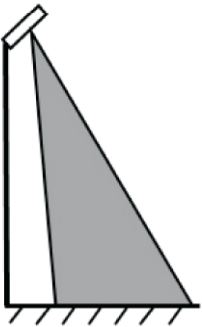
Canopy-mounted  
(shop facade)



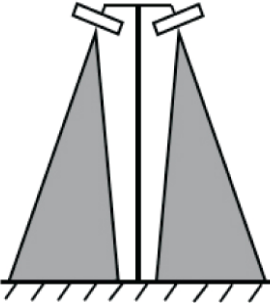
Wall-mounted  
(outdoor playground)



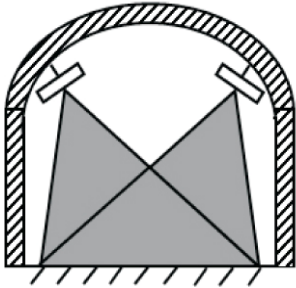
Ceiling-mounted  
(warehouse)



Pole-mounted  
(outdoor sport field)



Pole-mounted  
(outdoor plaza)

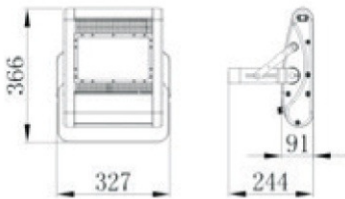


Wall-mounted  
(tunnel lighting)

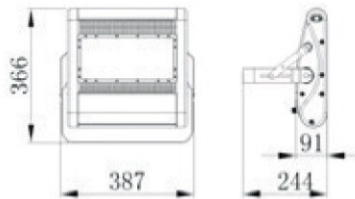




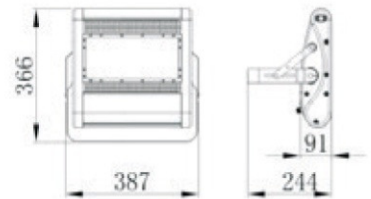
ALUX-FL-060



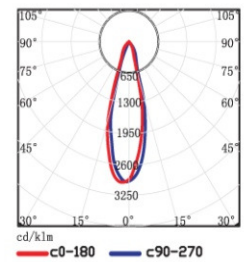
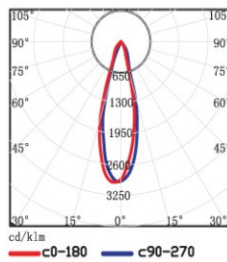
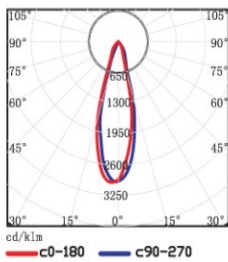
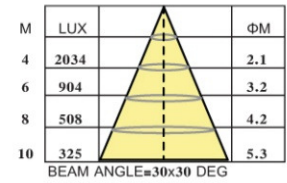
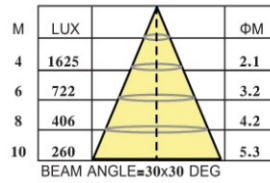
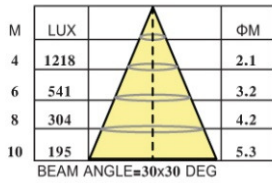
ALUX-FL-080



ALUX-FL-100



► Illuminance Data



Specifications

Model No.	ALUX-FL-060	ALUX-FL-080	ALUX-FL-100
Light Source*	Philips Lumileds / Cree / LG / OSRAM	Philips Lumileds / Cree / LG / OSRAM	Philips Lumileds / Cree / LG / OSRAM
Input Voltage (V)	90-305 VAC, 50/60Hz	90-305 VAC, 50/60Hz	90-305 VAC, 50/60Hz
LED Power (W)	60	80	100
System Power (W)	70	90	110
Luminous Flux (lm) <sup>#</sup>	6000	8000	10000
Beam Angle (°)	30/60 / 85x135 / 90 / 120	30/60 / 85x135 / 90 / 120	30/60 / 85x135 / 90 / 120
Color Temperature (K)	4000K-7000K	4000K-7000K	4000K-7000K
Typical CRI ^	70	70	70
Life Span (hrs)	50,000	50,000	50,000
Operating Temp. (°C)	-40 to +45	-40 to +45	-40 to +45
Dimension (mm)	327x366x91	387x366x91	387x366x91
Weight (kg)	~4.5	~5.5	~5.5



\* Please contact our sales for detailed LED information  
 # Test data with LUXEON Rebel ES LED at 5500K  
 ^ Higher CRI available upon request



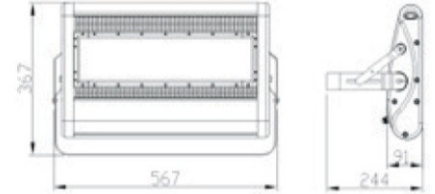
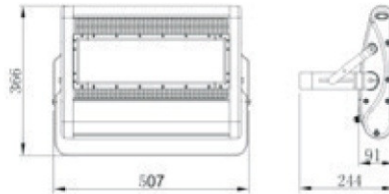
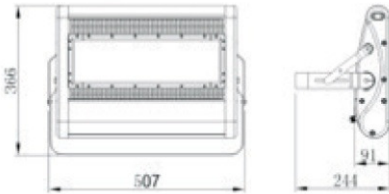
ALUX-FL-150



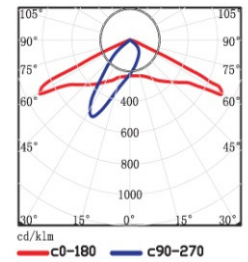
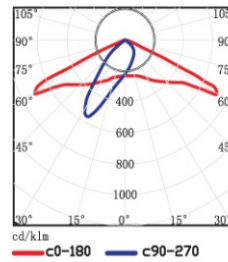
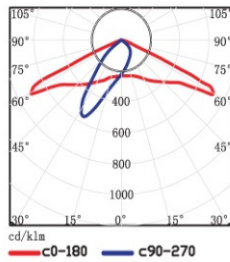
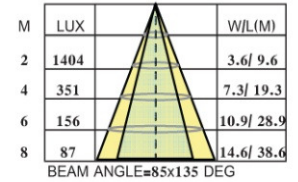
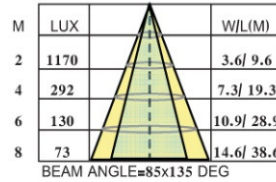
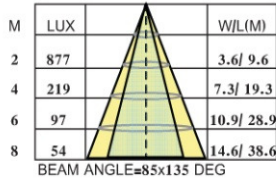
ALUX-FL-200



ALUX-FL-250



► Illuminance Data



Specifications

Model No.	ALUX-FL-150	ALUX-FL-200	ALUX-FL-250
Light Source*	Philips Lumileds / Cree / LG / OSRAM	Philips Lumileds / Cree / LG / OSRAM	Philips Lumileds / Cree / LG / OSRAM
Input Voltage (V)	90-305 VAC, 50/60Hz	90-305 VAC, 50/60Hz	90-305 VAC, 50/60Hz
LED Power (W)	150	200	250
System Power (W)	170	220	280
Luminous Flux (lm) <sup>#</sup>	15000	20000	25000
Beam Angle (°)	30/60 /85x135 / 90 / 120	30/60 /85x135 / 90 / 120	30/60 /85x135 / 90 / 120
Color Temperature (K)	4000K-7000K	4000K-7000K	4000K-7000K
Typical CRI ^	70	70	70
Life Span (hrs)	50,000	50,000	50,000
Operating Temp. (°C)	-40 to +45	-40 to +45	-40 to +45
Dimension (mm)	507x366x91	507x366x91	567x366x91
Weight (kg)	~7.5	~7.5	~8.5



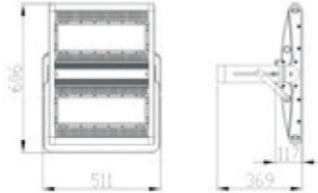
\* Please contact our sales for detailed LED information  
 # Test data with LUXEON Rebel ES LED at 5500K  
 ^ Higher CRI available upon request



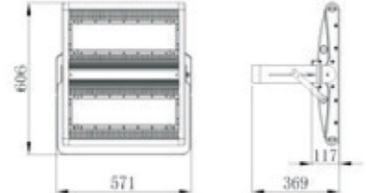
ALUX-FL-300



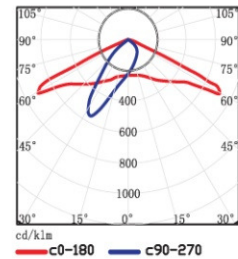
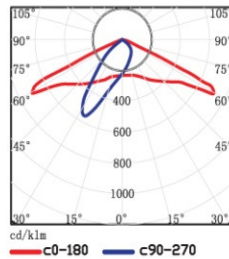
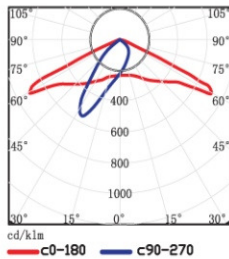
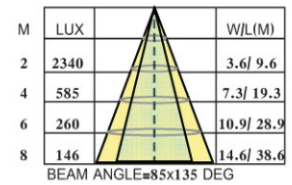
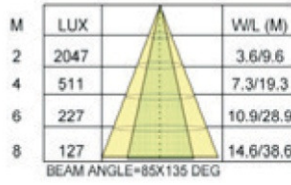
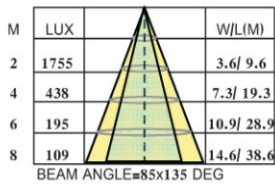
ALUX-FL-350



ALUX-FL-400

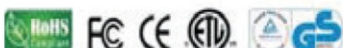


► Illuminance Data



Specifications

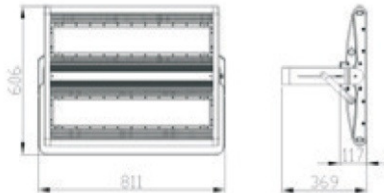
Model No.	ALUX-FL-300	ALUX-FL-350	ALUX-FL-400
Light Source*	Philips Lumileds / Cree / LG / OSRAM	Philips Lumileds / Cree / LG / OSRAM	Philips Lumileds / Cree / LG / OSRAM
Input Voltage (V)	90-305 VAC, 50/60Hz	90-305 VAC, 50/60Hz	90-305 VAC, 50/60Hz
LED Power (W)	300	350	400
System Power (W)	330	390	440
Luminous Flux (lm) <sup>#</sup>	30000	35000	40000
Beam Angle (°)	30/ 60/85x135 / 90 / 120	30/ 60/85x135 / 90 / 120	30/ 60/85x135 / 90 / 120
Color Temperature (K)	4000K-7000K	4000K-7000K	4000K-7000K
Typical CRI ^	70	70	70
Life Span (hrs)	50,000	50,000	50,000
Operating Temp. (°C)	-40 to +45	-40 to +45	-40 to +45
Dimension (mm)	606x511x117	606x511x117	606x511x117
Weight (kg)	~14.5	~15	~15.5



\* Please contact our sales for detailed LED information  
 # Test data with LUXEON Rebel ES LED at 5500K  
 ^ Higher CRI available upon request



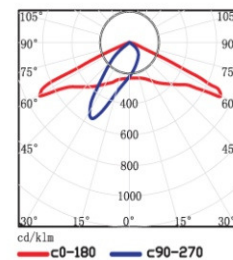
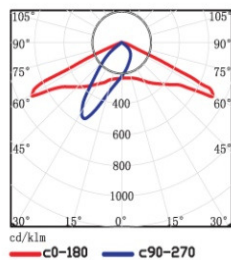
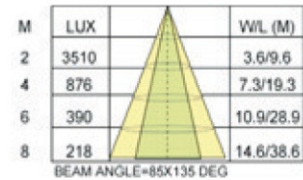
ALUX-FL-500



ALUX-FL-600

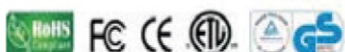


► Illuminance Data



Specifications

Model No.	ALUX-FL-500	ALUX-FL-600
Light Source*	Philips Lumileds / Cree / LG / OSRAM	Philips Lumileds / Cree / LG / OSRAM
Input Voltage (V)	90-305 VAC, 50/60Hz	90-305 VAC, 50/60Hz
LED Power (W)	500	600
System Power (W)	550	660
Luminous Flux (lm) <sup>‡</sup>	50000	60000
Beam Angle (°)	30/ 60/85x135/ 90 /120	30/ 60/85x135/ 90 /120
Color Temperature (K)	4000K-7000K	4000K-7000K
Typical CRI <sup>^</sup>	70	70
Life Span (hrs)	50,000	50,000
Operating Temp. (°C)	-40 to +45	-40 to +45
Dimension (mm)	600x811x369	600x811x369
Weight (kg)	~22	~22.5







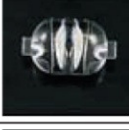

\* Please contact our sales for detailed LED information  
<sup>‡</sup> Test data with LUXEON Rebel ES LED at 5500K  
<sup>^</sup> Higher CRI available upon request


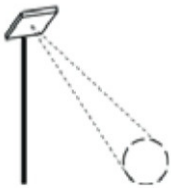

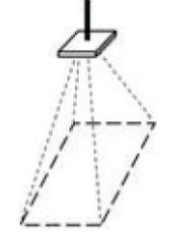


Model No.	Lens Type	LED Light Source	Color Temp.	Dimming Control	IP Rating
ALUX-FL-060	15°x 15°	Philips Lumileds LUXEON Series	3000K	Dimmable (PWM input) (1-10V input)	IP65
ALUX-FL-080	30°x 30°		4000K		
ALUX-FL-100	40°x 40°	LG 3535 High Power Series	5000K	Non-dimmable	
ALUX-FL-150	60°x 60°		6000K		
ALUX-FL-200	60°x 135° (symmetric)	Cree XTE / XP Series			
ALUX-FL-250					
ALUX-FL-300	85°x 135° (asymmetric)	Osram OSOLON Series			
ALUX-FL-350					
ALUX-FL-400					
ALUX-FL-500					
ALUX-FL-600					

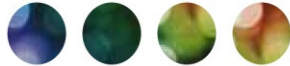
**Note:**

Other colour temperatures available upon request

**Accessories Order Information:**

Item	Item Photo	Order Code
15°x 15° lens		002101
30°x 30° lens		002102
40°x 40° lens		002103
60°x 60° lens		002104
60°x 135° lens (symmetric)		002201
85°x 135° lens (asymmetric)		002202

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



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