





KR LED FLOOD LIGHT SERIES



Available in various designated beam angles fitted with efficient Philips Lumileds LUXEON LEDs, and powered by Mean well Driver, SensLights High Power LED Flood Lights 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. It is perfectly suitable for outdoor flood lighting applications.

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



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

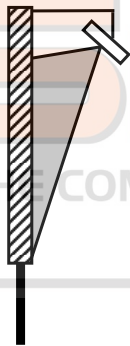
LED vs Metal Halide Replacement Table

	
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 ⇨ Metal Halide

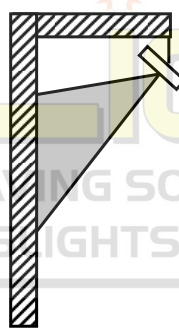
Installation Configuration Schematics



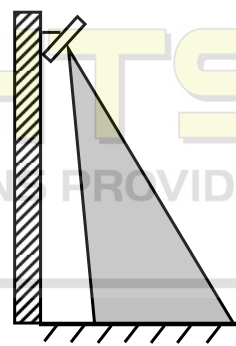
Arm-mounted
(outdoor signage board)



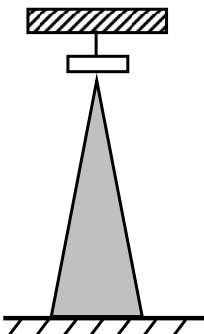
Canopy-mounted
(shop facade)



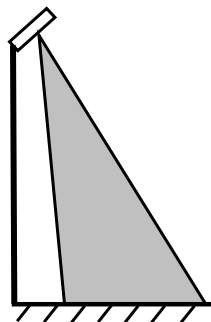
Wall-mounted
(outdoor playground)



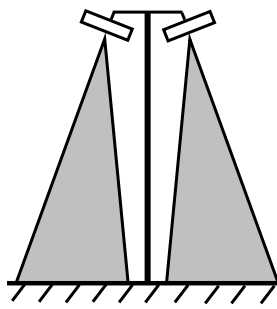
Wall-mounted
(tunnel lighting)



Ceiling-mounted
(warehouse)



Pole-mounted
(outdoor sport field)



Pole-mounted
(outdoor plaza)

KR LED Flood Light Series

60W-100W



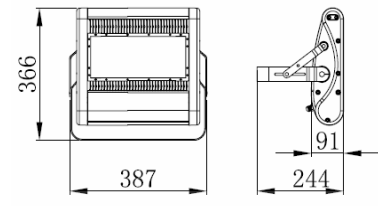
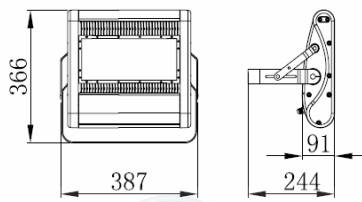
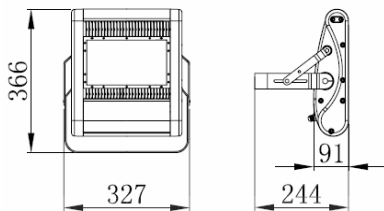
SL-FL-060 60W



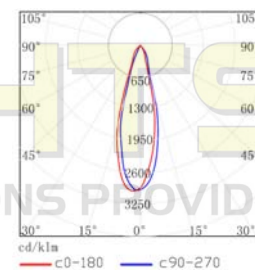
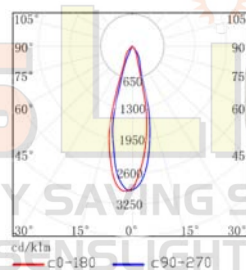
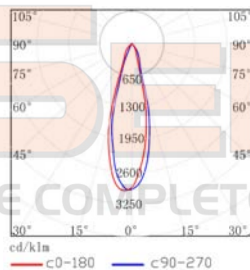
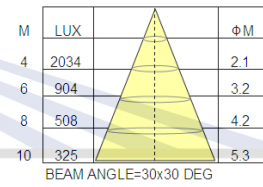
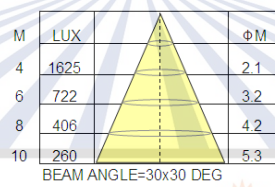
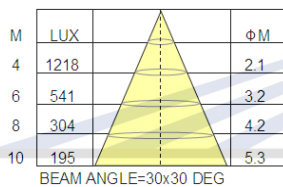
SL-FL-080 80W



SL-FL-100 100W



Illuminance Data



Specifications

	SL-FL-060	SL-FL-080	SL-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) [#]	6000	8000	10000
Beam Angle (°)	30x30 / 85x135	30x30 / 85x135	30x30 / 85x135
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

KR LED Flood Light Series

150W-250W



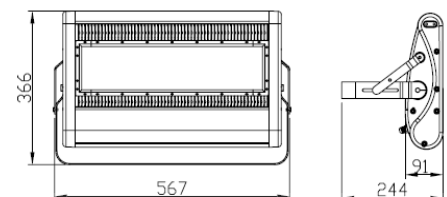
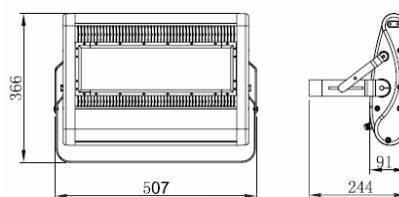
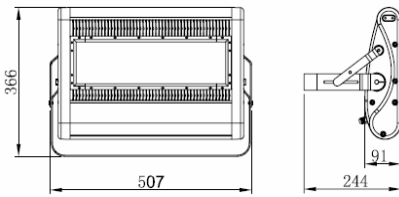
150W
SL-FL-150



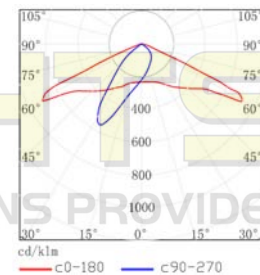
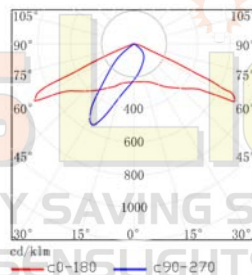
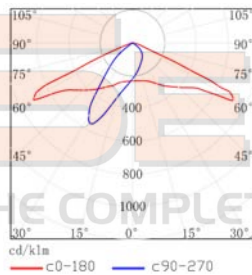
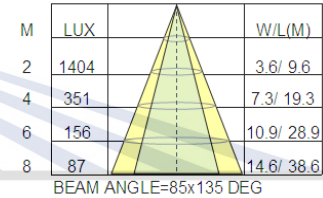
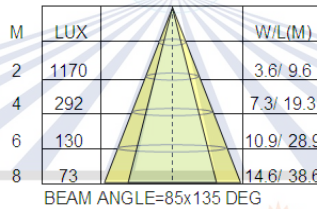
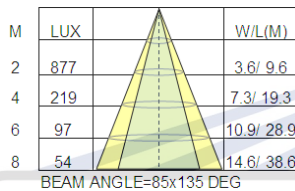
200W
SL-FL-200



250W
SL-FL-250



Illuminance Data



Specifications

	SL-FL-150	SL-FL-200	SL-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) [#]	15000	20000	25000
Beam Angle (°)	30x30 / 85x135	30x30 / 85x135	30x30 / 85x135
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

KR LED Flood Light Series

300W-400W



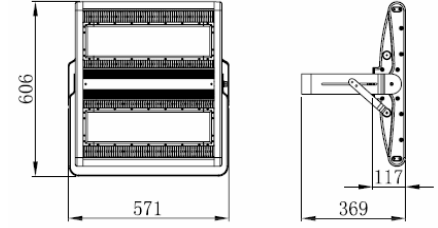
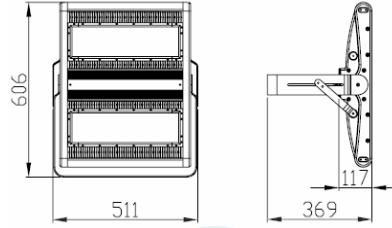
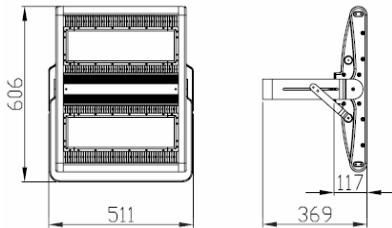
SL-FL-300 300W



SL-FL-350 350W



SL-FL-400 400W



Illuminance Data

M	LUX	W/L(M)
2	1755	3.6/ 9.6
4	438	7.3/ 19.3
6	195	10.9/ 28.9
8	109	14.6/ 38.6

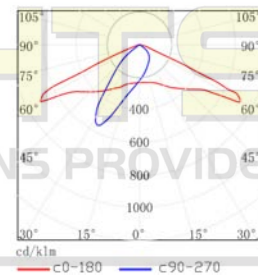
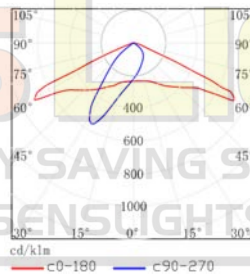
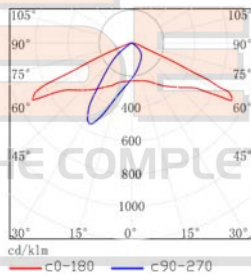
BEAM ANGLE=85x135 DEG

M	LUX	W/L (M)
2	2047	3.6/9.6
4	511	7.3/19.3
6	227	10.9/28.9
8	127	14.6/38.6

BEAM ANGLE=85x135 DEG

M	LUX	W/L(M)
2	2340	3.6/ 9.6
4	585	7.3/ 19.3
6	260	10.9/ 28.9
8	146	14.6/ 38.6

BEAM ANGLE=85x135 DEG



Specifications

	SL-FL-300	SL-FL-350	SL-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) [#]	30000	35000	40000
Beam Angle (°)	30x30 / 85x135	30x30 / 85x135	30x30 / 85x135
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	606x571x117
Weight (kg)	~14.5	~15	~15.5

KR LED Flood Light Series

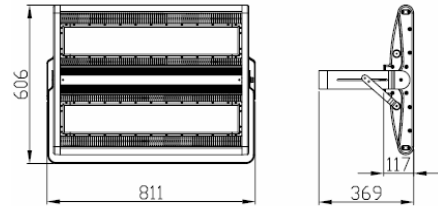
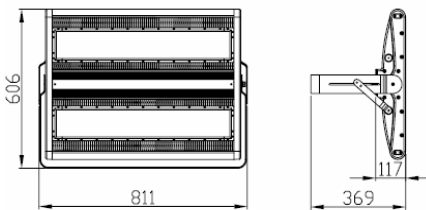
500W-600W



SL-FL-500 500W



SL-FL-600 600W



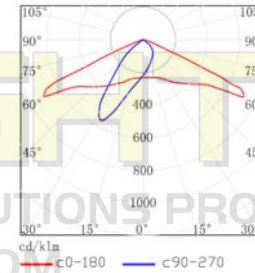
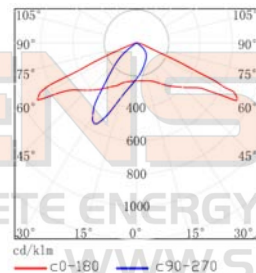
Illuminance Data

M	LUX	W/L (M)
2	2808	3.6/9.6
4	702	7.3/19.3
6	312	10.9/28.9
8	174	14.6/38.6

BEAM ANGLE=85X135 DEG

M	LUX	W/L (M)
2	3510	3.6/9.6
4	876	7.3/19.3
6	390	10.9/28.9
8	218	14.6/38.6

BEAM ANGLE=85X135 DEG



Specifications

SL-FL-500

SL-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) [#]	50000	60000
Beam Angle (°)	80/100/120	80/100/120
Color Temperature (K)	4000K-7000K	4000K-7000K
Typical CRI [^]	70	70
Life Span (hrs)	50,000	50,000
Operating Temp. (°C)	-40 to +45	-40 to +45
Dimension (mm)	606x811x369	606x811x369
Weight (kg)	~22	~22.5

Summary

KR LED Flood Light







LED Flood Light Product Summary


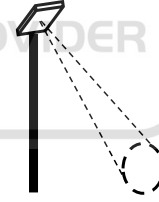

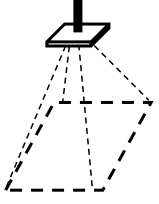

Model No.	Reflector Type	LED Light Source	Color Temp.	Dimming Control	IP Rating
SL-FL-060	15°x 15°	Philips Lumileds BWTEON Series	3000K	Dimmable (PWM input) (1-10V input)	IP65
SL-FL-080	30°x 30°		4000K		
SL-FL-100	40°x 40°	LG 3535 High Power Series	5000K	Non-dimmable	
SL-FL-150	60°x 60°		6000K		
SL-FL-200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

Note:

- (1) Other color temperature available upon request.
- (2) All models are IP65 rating.

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	