



High Power LED Flood Light Series (60W to 1000W)



Available in various designated beam angles fitted with efficient Philips Lumileds LUXEON LEDs, and powered by Meanwell driver, Luxtronik 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



LUXEON
BY PHILIPS LUMILEDS

OSRAM

CREE

MW
MEAN WELL



 **Luxtronik**
Technology



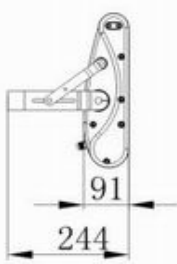
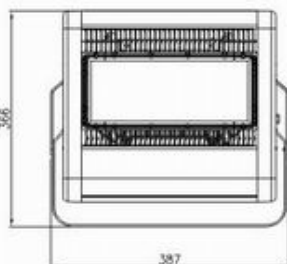
80W LED Flood Light

DESIGNLIGHTS
CONSORTIUM



Model No.: LUX-FL-080

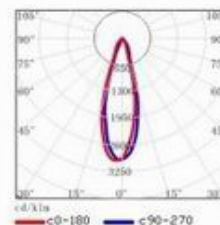
Light Source *: Philips Lumileds / Cree / Osram
Supply Voltage : 90-305 VAC, 50/60 Hz
LED Power : 80 W
System Power : 90 W
Luminous Flux *: 88000 lm
Beam Angle : 15° / 30° / 40° / 60° / 60° x135°
/ 85° x135°
CCT : 3000K-7000K
Typical CRI ^ : 70
Lifespan: 50,000 hrs
Operating Temp. : -40 to +45°C
Weight : ~6.0 kg



Illumination Data **

M	LUX	ΦM
4	1787	2.1
6	794	3.2
8	446	4.2
10	286	5.3

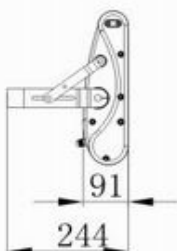
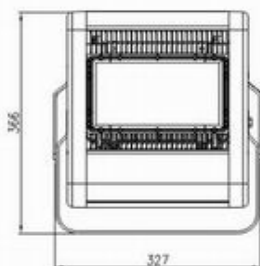
BEAM ANGLE=30x30 DEG



100W LED Flood Light

Model No.: LUX-FL-100

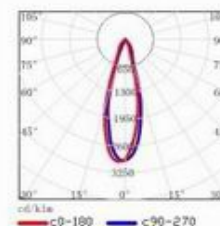
Light Source *: Philips Lumileds / Cree / Osram
Supply Voltage : 90-305 VAC, 50/60 Hz
LED Power : 100 W
System Power : 110 W
Luminous Flux *: 11000 lm
Beam Angle : 15° / 30° / 40° / 60° / 60° x135°
/ 85° x135°
CCT : 3000K-7000K
Typical CRI ^ : 70
Lifespan: 50,000 hrs
Operating Temp. : -40 to +45°C
Weight : ~6.5 kg



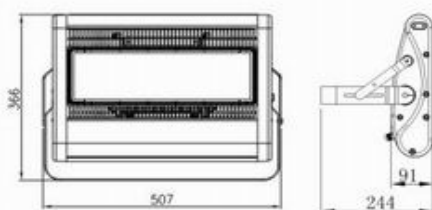
Illumination Data **

M	LUX	ΦM
4	2237	2.1
6	994	3.2
8	558	4.2
10	357	5.3

BEAM ANGLE=30x30 DEG



* Please contact our sales for detailed LED information
Test data with LUXEON Rebel ES LED at 5500K, PC reflector
^ Higher CRI available upon request
** Other beam angles available upon request



150W LED Flood Light

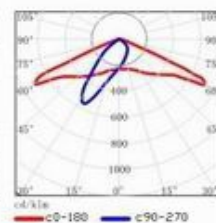
Model No.: LUX-FL-150

Light Source *: Philips Lumileds / Cree / Osram
Supply Voltage : 90-305 VAC, 50/60 Hz
LED Power : 150 W
System Power : 170 W
Luminous Flux*: 16500 lm
Beam Angle : 15° / 30° / 40° / 60° / 60° x135°
/ 85° x135°
CCT : 3000K-7000K
Typical CRI ^: 70
Lifespan: 50,000 hrs
Operating Temp. : -40 to +45 °C
Weight : ~8.0 kg

Illumination Data **

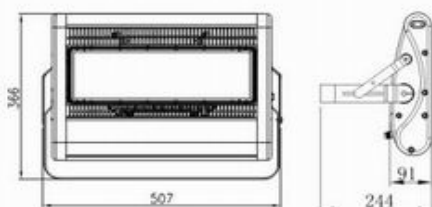
M	LUX	W/L(M)
4	964	3.6/ 9.6
6	240	7.3/ 19.3
8	106	10.9/ 28.9
10	59	14.6/ 38.6

BEAM ANGLE=85x135 DEG



200W LED Flood Light

DESIGNLIGHTS
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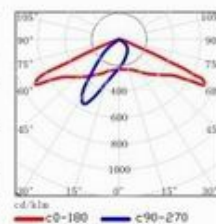
Model No.: LUX-FL-200

Light Source *: Philips Lumileds / Cree / Osram
Supply Voltage : 90-305 VAC, 50/60 Hz
LED Power : 200 W
System Power : 220 W
Luminous Flux*: 22000 lm
Beam Angle : 15° / 30° / 40° / 60° / 60° x135°
/ 85° x135°
CCT : 3000K-7000K
Typical CRI ^: 70
Lifespan: 50,000 hrs
Operating Temp. : -40 to +45°C
Weight : ~8.0 kg

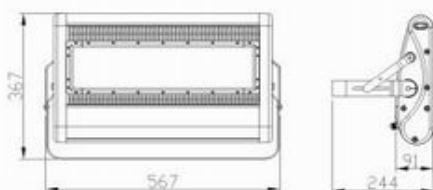
Illumination Data **

M	LUX	W/L(M)
4	1287	3.6/ 9.6
6	321	7.3/ 19.3
8	143	10.9/ 28.9
10	80	14.6/ 38.6

BEAM ANGLE=85x135 DEG



* Please contact our sales for detailed LED information
Test data with LUXEON Rebel ES LED at 5500K, PC reflector
^ Higher CRI available upon request
** Other beam angles available upon request



250W LED Flood Light

Model No.: LUX-FL-250

Light Source *: Philips Lumileds / Cree / Osram
Supply Voltage : 90-305 VAC, 50/60 Hz
LED Power : 250 W
System Power : 280 W
Luminous Flux *: 27500 lm
Beam Angle : 15° / 30° / 40° / 60° / 60° x135°
/ 85° x135°
CCT : 3000K-7000K
Typical CRI ^ : 70
Lifespan: 50,000 hrs
Operating Temp. : -40 to +45 °C
Weight : ~9.0 kg

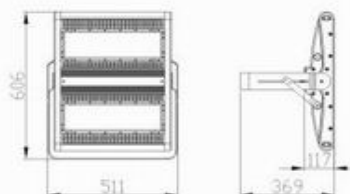
Illumination Data **



300W LED Flood Light

Model No.: LUX-FL-300

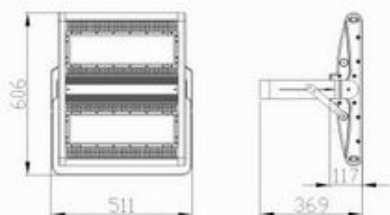
Light Source *: Philips Lumileds / Cree / Osram
Supply Voltage : 90-305 VAC, 50/60 Hz
LED Power : 300 W
System Power : 330 W
Luminous Flux *: 33000 lm
Beam Angle : 15° / 30° / 40° / 60° / 60° x135°
/ 85° x135°
CCT : 3000K-7000K
Typical CRI ^ : 70
Lifespan: 50,000 hrs
Operating Temp. : -40 to +45 °C
Weight : ~17.0 kg



Illumination Data **



* Please contact our sales for detailed LED information
Test data with LUXEON Rebel ES LED at 5500K, PC reflector
^ Higher CRI available upon request
** Other beam angles available upon request



350W LED Flood Light

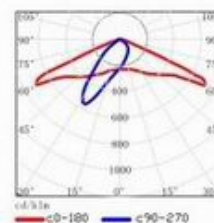
Model No.: LUX-FL-350

Light Source *: Philips Lumileds / Cree / Osram
Supply Voltage : 90-305 VAC, 50/60 Hz
LED Power : 350 W
System Power : 390 W
Luminous Flux*: 38500 lm
Beam Angle : 15° / 30° / 40° / 60° / 60° x135°
/ 85° x135°
CCT : 3000K-7000K
Typical CRI ^: 70
Lifespan: 50,000 hrs
Operating Temp. : -40 to +45 °C
Weight : ~17.5 kg

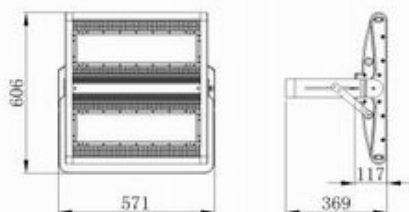
Illumination Data **

M	LUX	W/L(M)
4	2252	3.6/ 9.6
6	562	7.3/ 19.3
8	250	10.9/ 28.9
10	140	14.6/ 38.6

BEAM ANGLE=85x135 DEG



DESIGNLIGHTS
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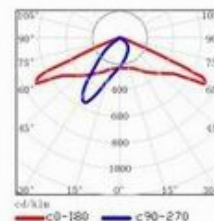
Model No.: LUX-FL-400

Light Source *: Philips Lumileds / Cree / Osram
Supply Voltage : 90-305 VAC, 50/60 Hz
LED Power : 400 W
System Power : 440 W
Luminous Flux*: 44000 lm
Beam Angle : 15° / 30° / 40° / 60° / 60° x135°
/ 85° x135°
CCT : 3000K-7000K
Typical CRI ^: 70
Lifespan: 50,000 hrs
Operating Temp. : -40 to +45 °C
Weight : ~19.0 kg

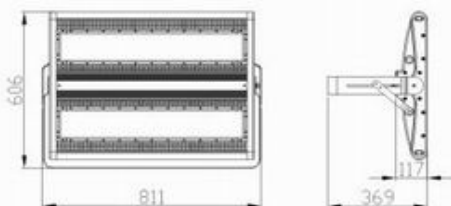
Illumination Data **

M	LUX	W/L(M)
4	2574	3.6/ 9.6
6	644	7.3/ 19.3
8	286	10.9/ 28.9
10	161	14.6/ 38.6

BEAM ANGLE=85x135 DEG



* Please contact our sales for detailed LED information
Test data with LUXEON Rebel ES LED at 5500K, PC reflector
^ Higher CRI available upon request
** Other beam angles available upon request



500W LED Flood Light

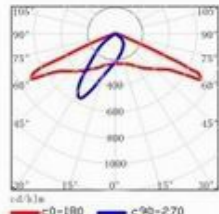
Model No.: LUX-FL-500

Light Source *: Philips Lumileds / Cree / Osram
Supply Voltage : 90-305 VAC, 50/60 Hz
LED Power : 500 W
System Power : 550 W
Luminous Flux*: 55000 lm
Beam Angle : 15° / 30° / 40° / 60° / 60° x135°
/ 85° x135°
CCT : 3000K-7000K
Typical CRI ^: 70
Lifespan: 50,000 hrs
Operating Temp. : -40 to +45 °C
Weight : ~27.0 kg

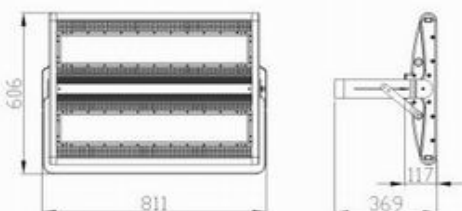
Illumination Data **

M	LUX	W/L(M)
4	3089	3.6/ 9.6
6	772	7.3/ 19.3
8	343	10.9/ 28.9
10	191	14.6/ 38.6

BEAM ANGLE=85x135 DEG



DESIGNLIGHTS
CONSORTIUM



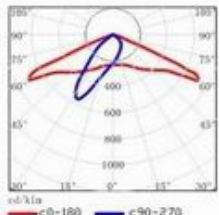
Model No.: LUX-FL-600

Light Source *: Philips Lumileds / Cree / Osram
Supply Voltage : 90-305 VAC, 50/60 Hz
LED Power : 580 W
System Power : 640 W
Luminous Flux *: 64000 lm
Beam Angle : 15° / 30° / 40° / 60° / 60° x135°
/ 85° x135°
CCT : 3000K-7000K
Typical CRI ^: 70
Lifespan: 50,000 hrs
Operating Temp. : -40 to +45 °C
Weight : ~27.5 kg

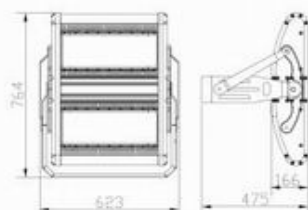
Illumination Data **

M	LUX	W/L(M)
4	3861	3.6/ 9.6
6	964	7.3/ 19.3
8	429	10.9/ 28.9
10	240	14.6/ 38.6

BEAM ANGLE=85x135 DEG



* Please contact our sales for detailed LED information
Test data with LUXEON Rebel ES LED at 5500K, PC reflector
^ Higher CRI available upon request
** Other beam angles available upon request



Coming Soon!

600W LED Flood Light (NEW)

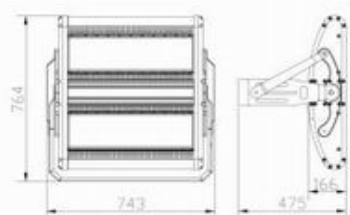
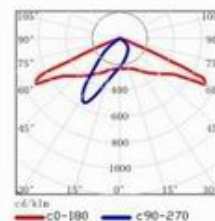
Model No.: LUX-FL-600S

Light Source *: Philips Lumileds / Cree / Osram
Supply Voltage : 90-305 VAC, 50/60 Hz
LED Power : 580 W
System Power : 640 W
Luminous Flux *: 64000 lm
Beam Angle : 15° / 30° / 40° / 60° / 60° x135°
/ 85° x135°
CCT : 3000K-7000K
Typical CRI *: 70
Lifespan: 50,000 hrs
Operating Temp. : -40 to +45 °C
Weight : ~29.0 kg

Illumination Data **

M	LUX	W/L(M)
4	3861	3.6/ 9.6
6	964	7.3/ 19.3
8	429	10.9/ 28.9
10	240	14.6/ 38.6

BEAM ANGLE=85x135 DEG



Coming Soon!

800W LED Flood Light

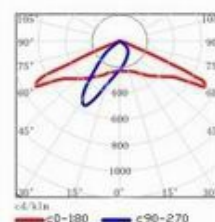
Model No.: LUX-FL-800

Light Source *: Philips Lumileds / Cree / Osram
Supply Voltage : 90-305 VAC, 50/60 Hz
LED Power : 800 W
System Power : 880 W
Luminous Flux *: 88000 lm
Beam Angle : 15° / 30° / 40° / 60° / 60° x135°
/ 85° x135°
CCT : 3000K-7000K
Typical CRI *: 70
Lifespan: 50,000 hrs
Operating Temp. : -40 to +45°C
Weight : ~36.0 kg

Illumination Data **

M	LUX	W/L(M)
4	5148	3.6/ 9.6
6	1287	7.3/ 19.3
8	572	10.9/ 28.9
10	321	14.6/ 38.6

BEAM ANGLE=85x135 DEG





1000W LED Flood Light

Model No.: LUX-FL-1000

Light Source *: Philips Lumileds / Cree / Osram

Supply Voltage : 90-305 VAC, 50/60 Hz

LED Power : 1000 W

System Power : 1100 W

Luminous Flux *: 110000 lm

Beam Angle : 15° / 30° / 40° / 60° / 60° x135°
/ 85° x135°

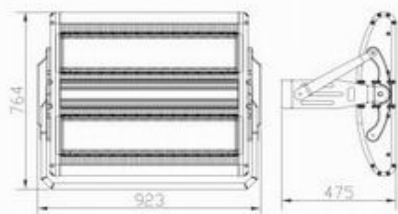
CCT : 3000K-7000K

Typical CRI ^ : 70

Lifespan: 50,000 hrs

Operating Temp. : -40 to +45 °C

Weight : ~39.8 kg

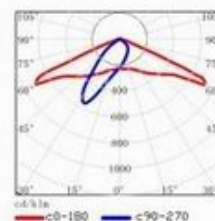


Coming Soon!

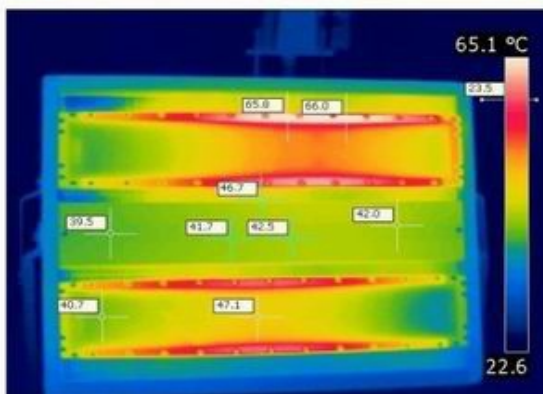
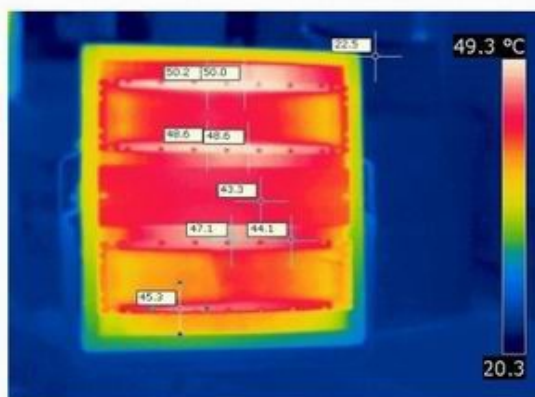
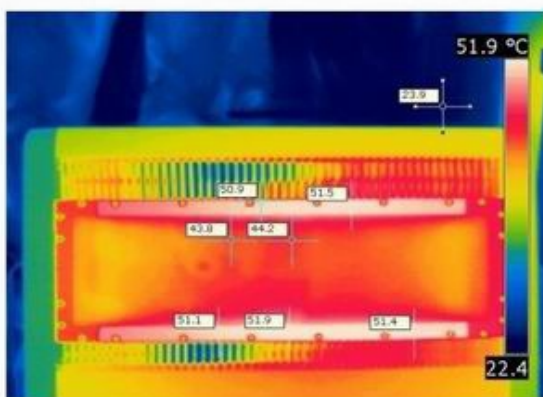
Illumination Data **

M	LUX		W/L(M)
4	6178		3.6/ 9.6
6	1544		7.3/ 19.3
8	686		10.9/ 28.9
10	383		14.6/ 38.6

BEAM ANGLE=85x135 DEG



Thermal Performance of LED Flood Light

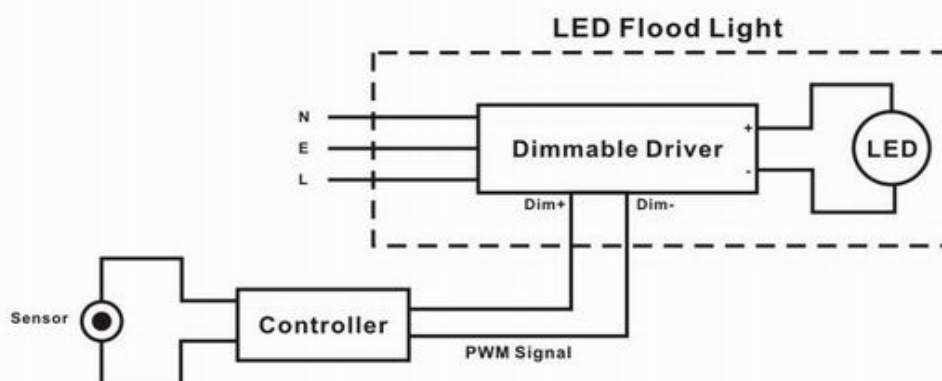


* All of our products are designed for superior thermal performance to ensure long lifetime operation.



LED Flood Light with External Sensors

All our LED flood lights (dimmable version) are available for connection to external motion/occupancy sensors or daylight sensors



Schematic Circuit Diagram

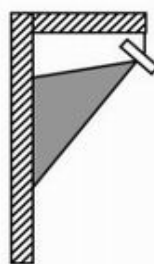
Installation Configuration Schematics



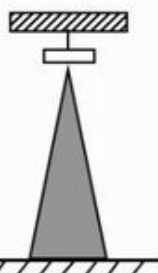
Arm-mounted
(outdoor signage board)



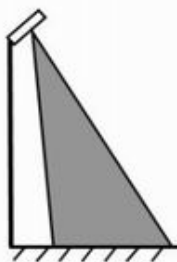
Canopy-mounted
(shop facade)



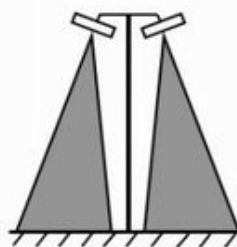
Wall-mounted
(outdoor playground)



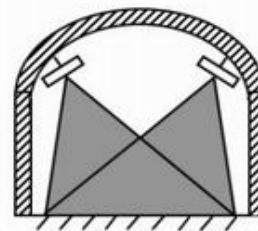
Ceiling-mounted
(warehouse)



Pole-mounted
(outdoor sport field)



Pole-mounted
(outdoor plaza)



Wall-mounted
(tunnel lighting)



LED Flood Light Product Summary

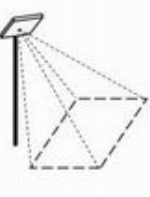
Model No.	Reflector Type	LED Light Source	Color Temp.	Dimming Control	IP Rating	Previous Model No. (on or before 2012)
LUX-FL-060	15°x 15°	Philips Lumileds LUXEON Series	3000K	Dimmable (PWM input) (1-10V input)	IP65	FL-LS-060
LUX-FL-080	30°x 30°		4000K			FL-LM-080
LUX-FL-100	40°x 40°	LG 3535 High Power Series	5000K	Non-dimmable		FL-LM-100
LUX-FL-150	60°x 60°		6000K			FL-LL-150
LUX-FL-200	60°x 135° (symmetric)	Cree XTE / XP Series				FL-LL-200
LUX-FL-250						FL-DM-250
LUX-FL-300	85°x 135° (asymmetric)	Osram OSLOX Series				FL-DM-300
LUX-FL-350						FL-DL-350
LUX-FL-400						FL-DL-400
LUX-FL-500						N/A
LUX-FL-600						N/A
LUX-FL-600S						N/A
LUX-FL-800						N/A
LUX-FL-1000						N/A

Note:

- (1) Other color temperature available upon request
- (2) All models are IP65 rating.
- (3) For North America market, add prefix "LM" to each model numbers, i.e. LM-LUX-FL-060, etc.
- (4) Design Lights Consortium (DLC) approved models: LM-LUX-FL-080, LM-LUX-FL-200, LM-LUX-FL-400 and LM-LUX-FL-600
- (5) Available housing color: Black, White, Grey

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	
Rectangular	 symmetric	
	 asymmetric	

WP Traders SAC

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