

LED COMFO® Floodlight V3.1

Datasheet



LED COMFO® Flood V3.1 is an affordable and reliable flood lighting solution. It offers a comprehensive range of options with a frosted glass cover, providing a wide lighting beam angle and a soft lighting surface. With power options of 95W, 120W, 160W and 190W, it also offers both symmetric and asymmetric lighting distributions, thanks to its well-designed lens. The product ensures excellent glare control and high uniformity, making it ideal for outdoor area lighting and billboard illumination.

Its robust die-casting aluminum housing, steel bracket, and IP66, IK07 ratings make it suitable for harsh outdoor environments.

Benefits

Robust and reliable

- Die casting aluminum housing
- High impact resistance with tempered glass, IK07
- High protection level for outdoor use, IP66
- Patented Anti-siphon mechanism waterproof design ensure the IP protection
- 3 years warranty and 50000 hours lifetime

Precise and efficient

- Well designed lens with symmetrical and asymmetrical lighting distributions for various applications
- Adjustable bracket with angle indicator for precise lighting direction adjustment
- Top brand LED ensure the consistent color temperature
- Up to 120 lm/W system efficacy and CRI >80

Full options for different applications

- Power range: 10W/20W/30W/45W/70W/95W/120W/160W/190W
- 3 color temperatures options: 3000K, 4000K and 5700K
- Symmetrical and asymmetrical optics

Applications

- Outdoor area flood lighting
- Outdoor billboards lighting
- Logo illuminations
- Other public or industrial areas

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Technical Data

Optical Specifications

Power		10W	20W	30W	45W	70W	95W	120W	160W	190W
Luminous Flux	3000K	1100 lm	2200 lm	3300 lm	4950 lm	7700 lm	10450 lm	13200 lm	17600 lm	20900 lm
	4000K	1200 lm	2400 lm	3600 lm	5400 lm	8400 lm	11400 lm	14400 lm	19200 lm	22800 lm
	5700K	1200 lm	2400 lm	3600 lm	5400 lm	8400 lm	11400 lm	14400 lm	19200 lm	22800 lm
Efficacy	3000K	110 lm/W								
	4000K	120 lm/W								
	5700K	120 lm/W								
CCT	3000K, 4000K, 5700K									
CRI	>80									
SDCM	<5									
Beam Angle	100° 60°/100°/110° x 40°									

Electrical and Mechanical Specifications

Input Voltage		220-240V AC 50/60Hz								
Power Consumption		10W	20W	30W	45W	70W	95W	120W	160W	190W
Power Factor		>0.95								
Surge Protection		Line-to-line 2KV, line-to-ground 4KV								
Dimensions	Length	155mm			192mm	284mm		394mm		
	Width	110mm			139mm	207mm		280mm		
	Height	39mm			41mm	43mm		47mm		
Weight		0.5Kg			0.7Kg	1.9Kg		3.7Kg		
Cover Lens		Tempered glass								
THD		<20%								
Housing		Die-casting aluminum with RAL9006 powder painting								
Pre-wired cable		0.5 meter								

System Specifications

Power	220-240V AC
Dimmable	ON/OFF
Mounting Type	Bracket mounting
Operating Temperature	-20°C to +40°C
Storage Temperature	-40°C to +80°C
Environment	Outdoor (IP66, IK07)
Lumen Maintenance	L70 @25°C - 50,000hrs
Safety Approval	Electrical Protection Class I, CB, CQC, Photobiological safety, RoHS

Due to the special conditions of manufacturing process of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from typical data.

Exceeding maximum ratings for operation voltage will cause hazardous overload and will likely destroy the LED module.

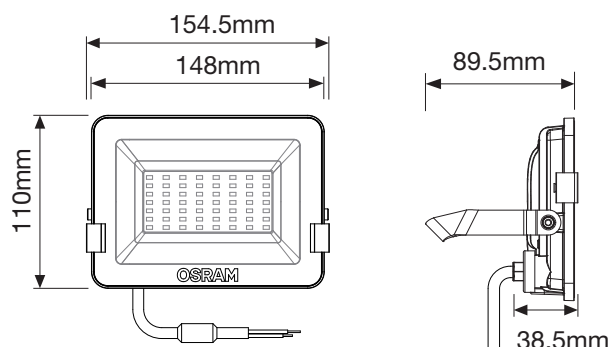
Exceeding maximum ratings for operation and storage temperature will reduce expected life time or destroy the LED module.

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Specifications are subject to change without notice. Errors and omission excepted, always make sure to use the most recent release.

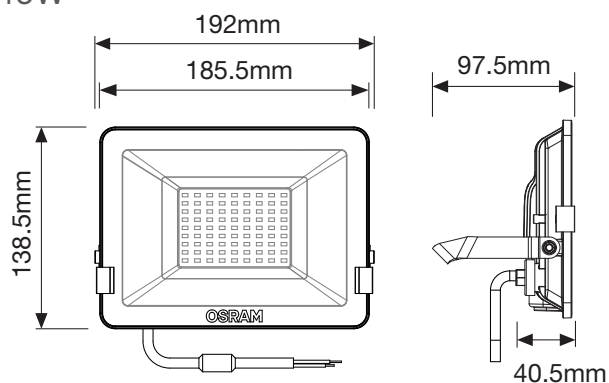
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Dimensions

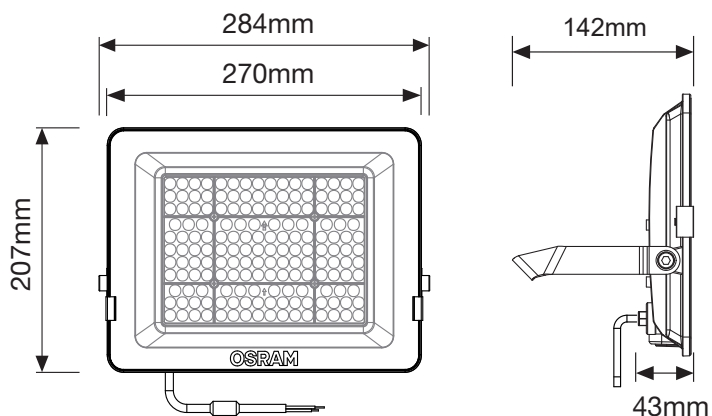
10W/20W/30W



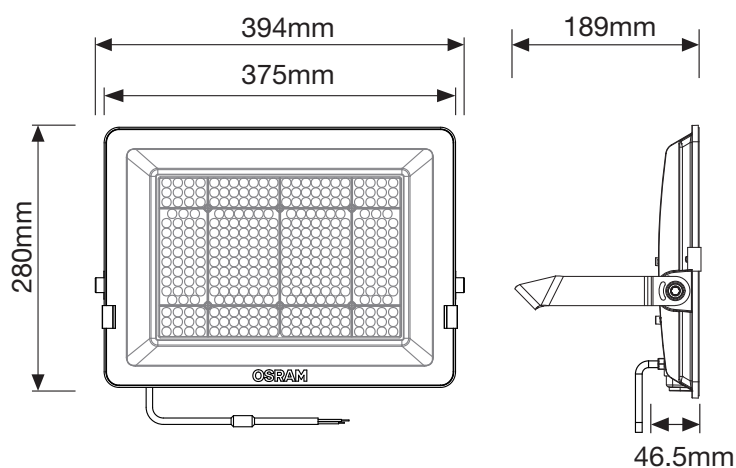
45W



70W/95W



120W/160W/190W

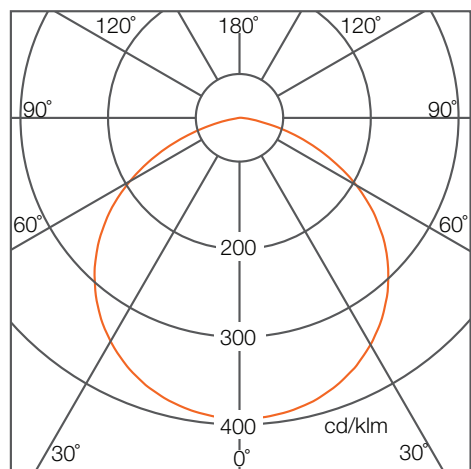


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Photometrics

Full Range



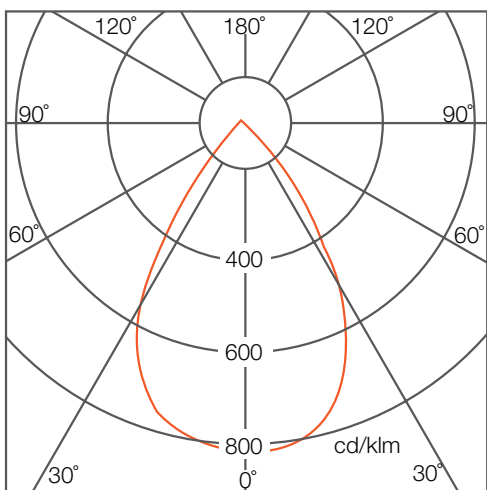
Illuminance at Distance

	Center Beam Lux/klm	Beam Width
0.5m	1598	1.22m
1m	400	2.44m
1.5m	178	3.67m
2m	100	4.89m
2.5m	64	6.11m
3m	44	7.33m

For feet multiply by 3.28

Horiz. Spread: 101.4°
For fc divide by 10.7

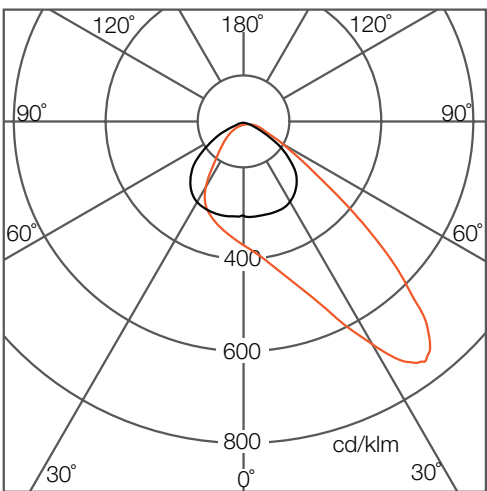
70W/95W/120W/160W/190W



	Center Beam Lux/klm	Beam Width
1.5m	359	1.85m
3.0m	90	3.71m
4.5m	40	5.56m
6.0m	22	7.41m
7.5m	14	9.26m
9.0m	10	11.12m

For feet multiply by 3.28

Horiz. Spread: 63.4°
For fc divide by 10.7



Due to the manufacturing processes of LED, the polar candela distribution and distance luminaries only reflect statistical figures and do not necessarily correspond to the actual parameters of individual product that may differ from the typical values.

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Ordering Codes

Fixtures

Short Text	Power	CCT	Beam Angle	IC Material
LED COMFO FL V3 10W 830 SY100 12X1 OSRAM	10W	3000K	100°	GL23100062055
LED COMFO FL V3 10W 840 SY100 12X1 OSRAM	10W	4000K	100°	GL23100062155
LED COMFO FL V3 10W 857 SY100 12X1 OSRAM	10W	5700K	100°	GL23100062255
LED COMFO FL V3 20W 830 SY100 12X1 OSRAM	20W	3000K	100°	GL23100062355
LED COMFO FL V3 20W 840 SY100 12X1 OSRAM	20W	4000K	100°	GL23100062455
LED COMFO FL V3 20W 857 SY100 12X1 OSRAM	20W	5700K	100°	GL23100062555
LED COMFO FL V3 30W 830 SY100 12X1 OSRAM	30W	3000K	100°	GL23100062655
LED COMFO FL V3 30W 840 SY100 12X1 OSRAM	30W	4000K	100°	GL23100062755
LED COMFO FL V3 30W 857 SY100 12X1 OSRAM	30W	5700K	100°	GL23100062855
LED COMFO FL V3 45W 830 SY100 5X1 OSRAM	45W	3000K	100°	GL23100062955
LED COMFO FL V3 45W 840 SY100 5X1 OSRAM	45W	4000K	100°	GL23100063055
LED COMFO FL V3 45W 857 SY100 5X1 OSRAM	45W	5700K	100°	GL23100063155
LED COMFO FL V3 70W 830 SY100 5X1 OSRAM	70W	3000K	100°	GL23100063255
LED COMFO FL V3 70W 840 SY100 5X1 OSRAM	70W	4000K	100°	GL23100063355
LED COMFO FL V3 70W 857 SY100 5X1 OSRAM	70W	5700K	100°	GL23100063455
LED COMFO FL V3 95W 830 SY100 5X1 OSRAM	95W	3000K	100°	GL23100063555
LED COMFO FL V3 95W 840 SY100 5X1 OSRAM	95W	4000K	100°	GL23100063655
LED COMFO FL V3 95W 857 SY100 5X1 OSRAM	95W	5700K	100°	GL23100063755
LED COMFO FL V3 120W 830 SY100 3X1 OSRAM	120W	3000K	100°	GL23100063855
LED COMFO FL V3 120W 840 SY100 3X1 OSRAM	120W	4000K	100°	GL23100063955
LED COMFO FL V3 120W 857 SY100 3X1 OSRAM	120W	5700K	100°	GL23100064055
LED COMFO FL V3 160W 830 SY100 3X1 OSRAM	160W	3000K	100°	GL23100064155
LED COMFO FL V3 160W 840 SY100 3X1 OSRAM	160W	4000K	100°	GL23100064255
LED COMFO FL V3 160W 857 SY100 3X1 OSRAM	160W	5700K	100°	GL23100064355
LED COMFO FL V3 190W 830 SY100 3X1 OSRAM	190W	3000K	100°	GL23100064455
LED COMFO FL V3 190W 840 SY100 3X1 OSRAM	190W	4000K	100°	GL23100064555
LED COMFO FL V3 190W 857 SY100 3X1 OSRAM	190W	5700K	100°	GL23100064655
LED COMFO FL V3 70W 830 SY60 5X1 OSRAM	70W	3000K	60°	GL23100064755
LED COMFO FL V3 70W 840 SY60 5X1 OSRAM	70W	4000K	60°	GL23100064855
LED COMFO FL V3 70W 857 SY60 5X1 OSRAM	70W	5700K	60°	GL23100064955
LED COMFO FL V3 95W 830 SY60 5X1 OSRAM	95W	3000K	60°	GL23100065055
LED COMFO FL V3 95W 840 SY60 5X1 OSRAM	95W	4000K	60°	GL23100065155
LED COMFO FL V3 95W 857 SY60 5X1 OSRAM	95W	5700K	60°	GL23100065255
LED COMFO FL V3 120W 830 SY60 3X1 OSRAM	120W	3000K	60°	GL23100065355
LED COMFO FL V3 120W 840 SY60 3X1 OSRAM	120W	4000K	60°	GL23100065455
LED COMFO FL V3 120W 857 SY60 3X1 OSRAM	120W	5700K	60°	GL23100065555
LED COMFO FL V3 160W 830 SY60 3X1 OSRAM	160W	3000K	60°	GL23100065655
LED COMFO FL V3 160W 840 SY60 3X1 OSRAM	160W	4000K	60°	GL23100065755
LED COMFO FL V3 160W 857 SY60 3X1 OSRAM	160W	5700K	60°	GL23100065855
LED COMFO FL V3 190W 830 SY60 3X1 OSRAM	190W	3000K	60°	GL23100065955

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Ordering Codes

Fixtures

Short Text	Power	CCT	Beam Angle	IC Material
LED COMFO FL V3 190W 840 SY60 3X1 OSRAM	190W	4000K	60°	GL23100066055
LED COMFO FL V3 190W 857 SY60 3X1 OSRAM	190W	5700K	60°	GL23100066155
LED COMFO FL V3 70W 830 AS110 5X1 OSRAM	70W	3000K	110° x 40°	GL23100066255
LED COMFO FL V3 70W 840 AS110 5X1 OSRAM	70W	4000K	110° x 40°	GL23100066355
LED COMFO FL V3 70W 857 AS110 5X1 OSRAM	70W	5700K	110° x 40°	GL23100066455
LED COMFO FL V3 95W 830 AS110 5X1 OSRAM	95W	3000K	110° x 40°	GL23100066555
LED COMFO FL V3 95W 840 AS110 5X1 OSRAM	95W	4000K	110° x 40°	GL23100066655
LED COMFO FL V3 95W 857 AS110 3X1 OSRAM	95W	5700K	110° x 40°	GL23100066755
LED COMFO FL V3 120W 830 AS110 3X1 OSRAM	120W	3000K	110° x 40°	GL23100066855
LED COMFO FL V3 120W 840 AS110 3X1 OSRAM	120W	4000K	110° x 40°	GL23100066955
LED COMFO FL V3 120W 857 AS110 3X1 OSRAM	120W	5700K	110° x 40°	GL23100067055
LED COMFO FL V3 160W 830 AS110 3X1 OSRAM	160W	3000K	110° x 40°	GL23100067155
LED COMFO FL V3 160W 840 AS110 3X1 OSRAM	160W	4000K	110° x 40°	GL23100067255
LED COMFO FL V3 160W 857 AS110 3X1 OSRAM	160W	5700K	110° x 40°	GL23100067355
LED COMFO FL V3 190W 830 AS110 3X1 OSRAM	190W	3000K	110° x 40°	GL23100067455
LED COMFO FL V3 190W 840 AS110 3X1 OSRAM	190W	4000K	110° x 40°	GL23100067555
LED COMFO FL V3 190W 857 AS110 3X1 OSRAM	190W	5700K	110° x 40°	GL23100067655

