

LED MINI FLOOD LIGHT-1

Outdoor Flood Light



OVERVIEW	
Lumen Output Range	1635 - 5801
Wattage Range	15W - 50W
Efficacy Range (LPW)	115 - 120
Weight lbs (kg)	1.17(0.53)-4.4(2.2)

QUICK LINKS

[Ordering Guide](#)
[Performance](#)
[Photometrics](#)
[Dimensions](#)

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing for maximum durability and reliability.
- IP65 rated luminaire protects integral components from harsh environments.
- Shipping weight: 20.28 lbs to 28 lbs in carton.

Optical System

- Premium engineered IP65 rated acrylic optic assemblies deliver 7H7V distributions.
- Zero uplight with pole mount arm.
- Available in 5700K, 5000K, 4000K and 3000K color temperatures per
- Minimum CRI of 80.

Electrical

- High-performance driver features short circuit and over temperature protection with integral surge protection (2KV).
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz.
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +45°C (-40°F to +113°F).

- Power factor: >0.90
- Input power stays constant over life.
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation.

Installation

- Mounting method ships together .
- Wiring leads extended out of the main housing eliminating the need of opening the luminaire electrical chamber.

Warranty

- luminaires carry a 5-year limited warranty. Complete warranty terms are located on our website.

Listings

- Listed to UL.
- Suitable for wet Locations.
- IP65 rated Luminaire per.
- DesignLights Consortium® (DLC) qualified product.

LED MINI FLOOD LIGHT-1

ORDERING GUIDE

[Back to Quick Links](#)

 TYPICAL ORDER EXAMPLE: **MFL-01-15-SF-57K-UNV-BRZ**

Luminaire Prefix	Light Source	Power&Lumen	Mounting Options
MFL-Mini Flood Light	LED	15 - 1593-1635 lms 30 - 3423-3434 lms 50 - 5763-5801 lms	SF - Knuckle mounting racket UM - Flood mounting bracket YM - Yoke mounting bracket
Color Temp	Voltage	Finish	Controls (Choose One)
50 - 5000K CCT 57 - 5700K CCT 40 - 4000K CCT 30 - 3000K CCT	UNV - Universal Voltage (120-277V) 480 - High Power (277-480V)	BRZ - Bronze WHT - White Option - Cutome Color	

PERFORMANCE

DELIVERED LUMENS*										
Wattage	Distribution	CRI	5700K		5000K		4000K		3000K	
			Delivered Lumens	Efficacy						
15w	7H7V	80	1635.0	113.62	1624.3	112.76	1603	111	1592.3	110
30w	7H7V	80	3434.0	117	3432	116	3427	115.90	3423	115.00
50w	7H7V	80	5801.0	120.00	5793	118.00	5778	117.5	5763	116.5

*LEDs are frequently updated therefore values are nominal.

ELECTRICAL DATA*				
Wattage	120V	208V	240V	277V
15W	0.13	0.07	0.06	0.05
30W	0.25	0.14	0.13	0.11
50W	0.42	0.24	0.21	0.18

*Electrical data at 25C (77F). Actual wattage may differ by +/-0.3%.

RECOMMENDED LUMEN MAINTENANCE (1L-6L) ¹					
Ambient Temperature	CInitial ²	3K hrs. ²	5K hrs. ³	7K hrs. ³	10K hrs. ³
1C-85C	100%	99.30%	98.00%	99.30%	97.60%

1 - Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing.

2 - In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.

3 - Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing times the IESNA LM-80-08 total test duration for the device under testing.

LED MINI FLOOD LIGHT-1

[Back to Quick Links](#)

PHOTOMETRICS

Luminaire photometry has been conducted by an accredited laboratory in accordance with IESNA LM-79. As specified by IESNA LM-79 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

MFL01 30W

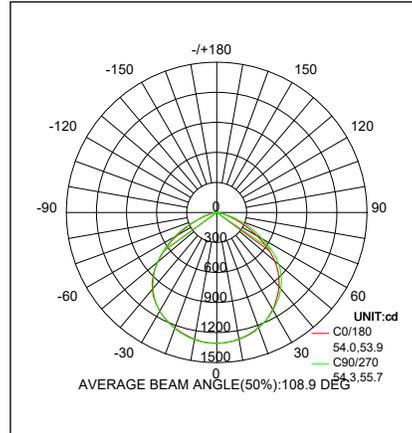
LUMINAIRE DATA

7H7V Distribution	
Description	3000 Kelvin,80 CRI
Delivered Lumens	3,423
Watts	30
Efficacy	115
IES Type	7H7V
BUG Rating	B2-U0-U0

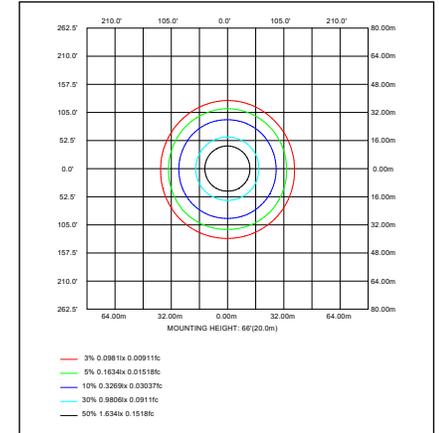
Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	1,033.10	30.20%
Medium (0-60)°	2,976.90	87.00%
High (60-90)°	445.80	13.00%
Very High (70-100)°	112.30	3.30%
Uplight (90-120)°	0	0%
Total Flux	3,422.70	100%

Luminous Intensity Distribution Curve



ISO FOOTCANDLE



MFL01 50W

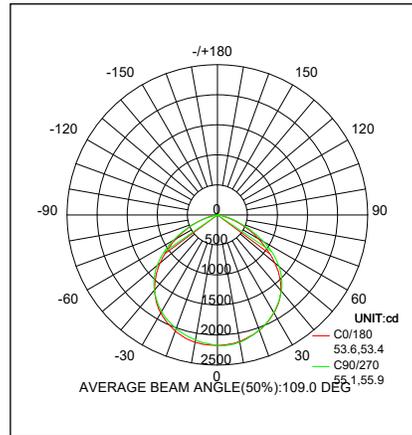
LUMINAIRE DATA

7H7V Distribution	
Description	3000 Kelvin,80 CRI
Delivered Lumens	5,762
Watts	50
Efficacy	116.5
IES Type	7H7V
BUG Rating	B2-U0-U0

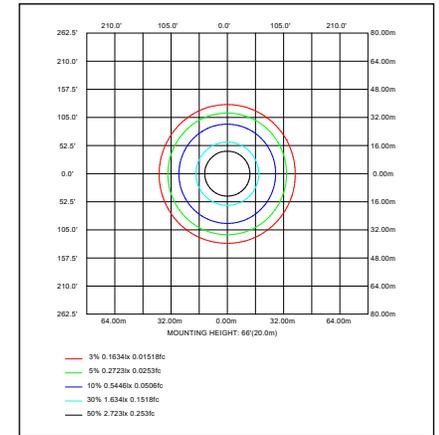
Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	1,721.90	29.90%
Medium (0-60)°	4,944.30	85.80%
High (60-90)°	817.50	14.20%
Very High (70-100)°	222.60	3.90%
Uplight (90-120)°	0	0%
Total Flux	5,761.80	100%

Luminous Intensity Distribution Curve



ISO FOOTCANDLE

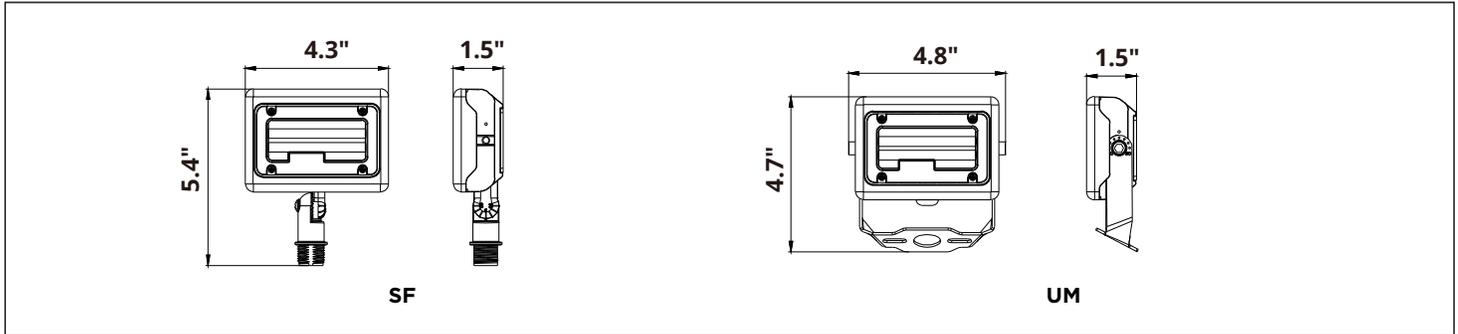


LED MINI FLOOD LIGHT-1

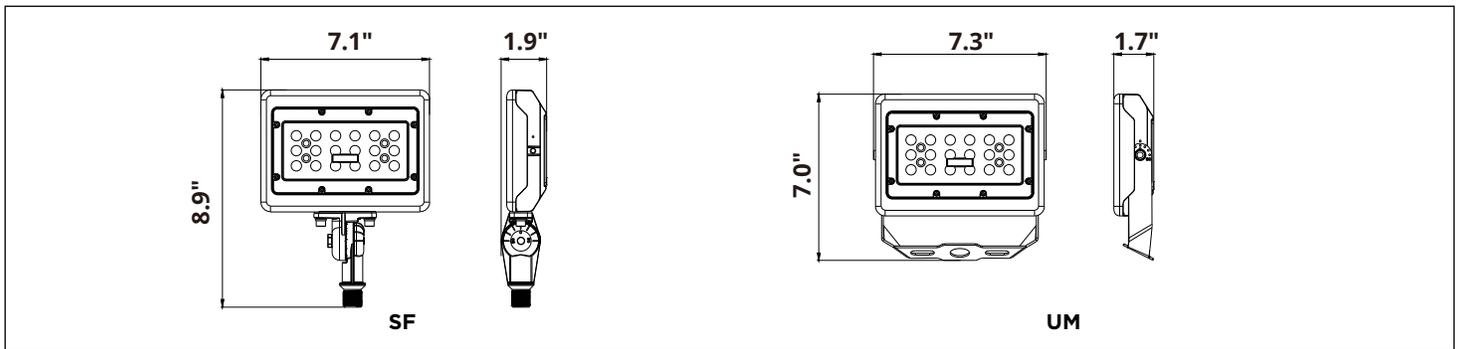
PRODUCT DIMENSIONS

[Back to Quick Links](#)

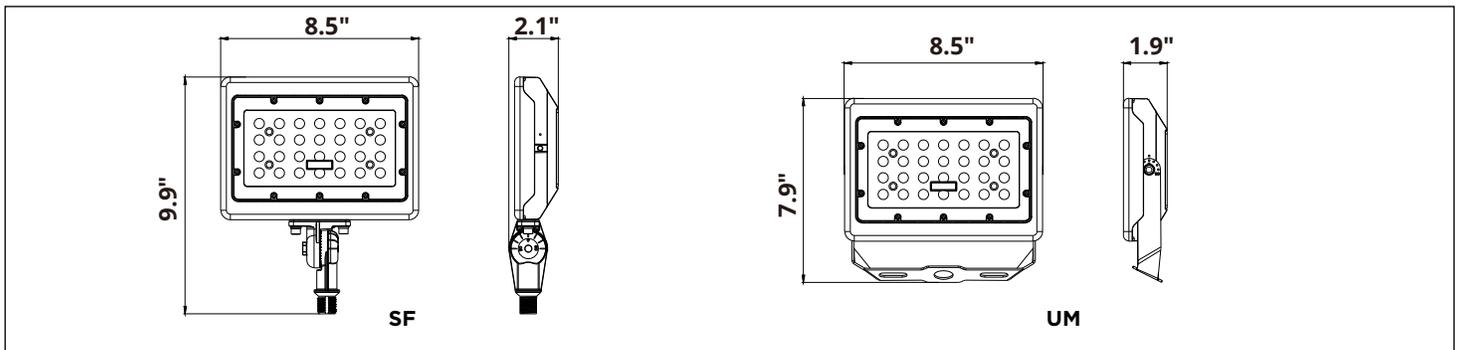
15W



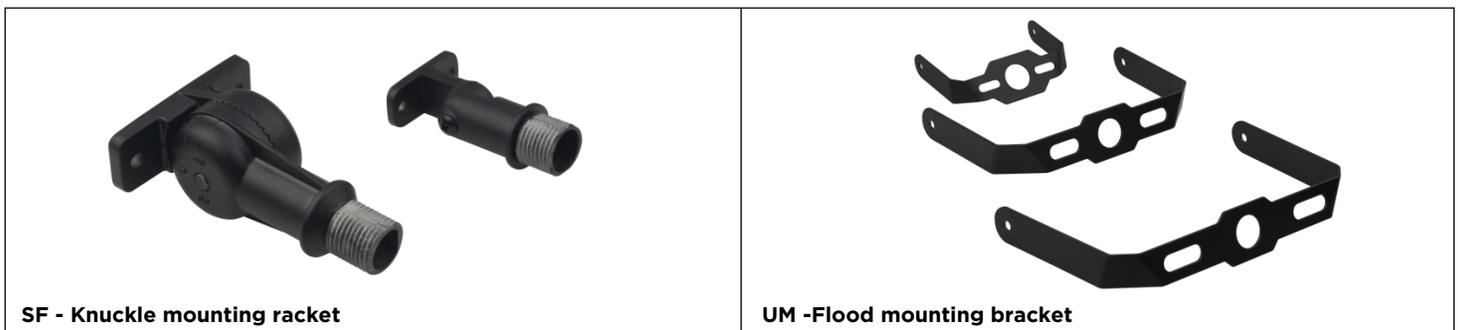
30W



50W



MOUNTING

[Back to Quick Links](#)


SF - Knuckle mounting racket

UM -Flood mounting bracket