

LED MINI FLOOD LIGHT-2

Outdoor Flood Light



IP65



OVERVIEW	
Lumen Output Range	1913.6 - 12843.6
Wattage Range	15W - 100W
Efficacy Range (LPW)	120 - 144
Weight lbs (kg)	2.42(1.1)-6(2.73)

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FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing for maximum durability and reliability.
- IP65 rated luminaire protects integral components from harsh environments.
- Shipping weight: 24.91 lbs to 34.5 lbs in carton.

Optical System

- Premium engineered IP65 rated acrylic optic assemblies deliver 110degree distributions.
- Zero uplight with pole mount arm.
- Available in 5000k, 4000k, 3000k color temperature selectable.
- Minimum CRI of 80.

Electrical

- High-performance driver features short circuit and over temperature protection with integral surge protection (2.5KV).
- 0-10V dimming (0% - 100%) standard.
- 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.

Controls

- Photocell

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.

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ORDERING GUIDE

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TYPICAL ORDER EXAMPLE: **MFL-02-15-UM-CCT-UNV-BRZ**

Luminaire Prefix	Light Source	Power&Lumen	Mounting Options
MFL-Mini Flood Light	LED	15 - 1913.6-2085.4lms 35 - 4165.5-4632.7 lms 55 - 6579.3-7176.1 lms 80 - 10274.9-11110 lms 100 - 13005.7-14071.6 lms	SF - Knuckle mounting racket UM - Flood mounting bracket YM - Yoke mounting bracket
Color Temp	Voltage	Finish	Controls (Choose One)
CCT-CCT Selectable	UNV - Universal Voltage (120-277V)	BRZ - Bronze WHT - White Option - Cutome Color	

PERFORMANCE

DELIVERED LUMENS*								
Wattage	Distribution	CRI	5000K		4000K		3000K	
			Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy
15w	110degree	80	2052.4	128.0	22085.4	136	1922.8	120.0
35w	110degree	80	4515.2	130.0	4632.7	140	4165.5	123.0
55w	110degree	80	6982.6	130.60	7176.1	139.0	6579.3	123.0
80w	110degree	80	10793.6	136.0	11110.0	143.5	10274.9	128.0
100w	110degree	80	13723.2	134.0	14071.6	143.5	13005.7	127.0

*LEDs are frequently updated therefore values are nominal.

ELECTRICAL DATA*				
Wattage	120V	208V	240V	277V
15W	0.13	0.07	0.06	0.05
35W	0.29	0.17	0.15	0.13
55W	0.46	0.26	0.23	0.20
80W	0.67	0.38	0.33	0.29
100W	0.83	0.48	0.42	0.36

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

RECOMMENDED LUMEN MAINTENANCE (1L-15L) ¹					
Ambient Temperature	CInitial ²	3K hrs. ²	5K hrs. ³	7K hrs. ³	10K hrs. ³
1C-85C	100%	99.82%	99.34%	98.90%	98.49%

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.

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PHOTOMETRICS

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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%.

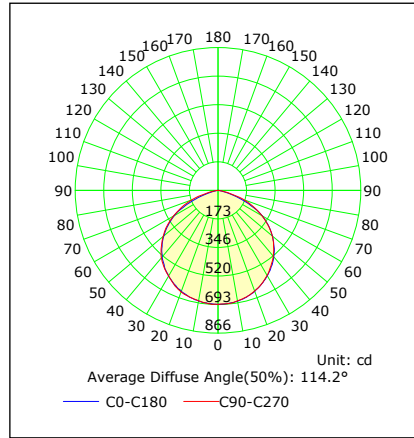
MFL02 15W

LUMINAIRE DATA

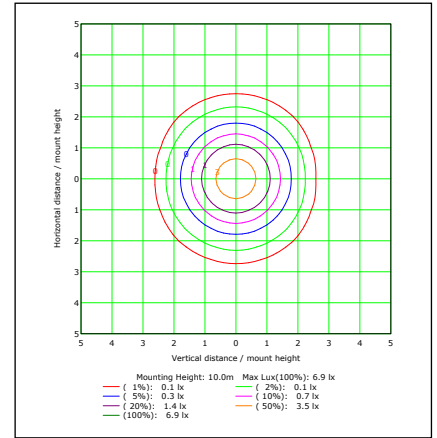
110degree Distribution	
Description	3000 Kelvin,80 CRI
Delivered Lumens	1,913
Watts	15W
Efficacy	127.5
IES Type	110degree
BUG Rating	B1-U0-G0

Zonal Lumen Summary		
Zone	Lumens	%Luminaire
Low (0-30)°	540.90	28.30%
Medium (0-60)°	1,593.70	83.30%
High (60-90)°	319.60	16.70%
Very High (70-100)°	88.20	4.60%
Uplight (90-120)°	0	0%
Total Flux	1,913.30	100%

Luminous Intensity Distribution Curve



ISO FOOTCANDLE



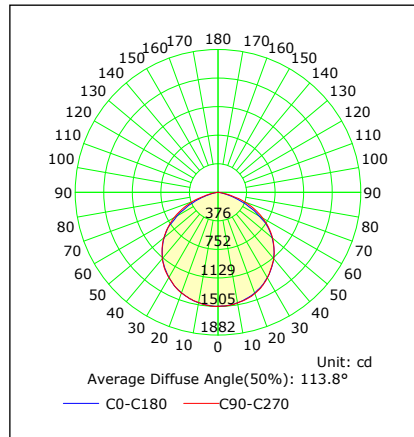
MFL02 35W

LUMINAIRE DATA

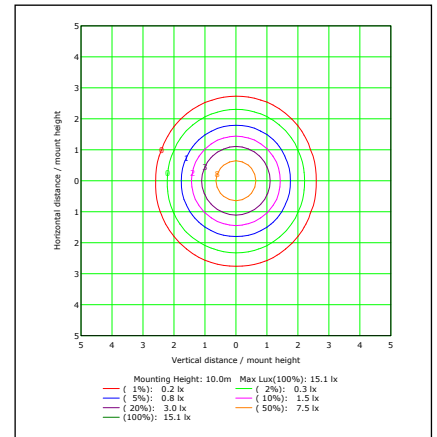
110degree Distribution	
Description	3000 Kelvin,80 CRI
Delivered Lumens	4,251
Watts	35
Efficacy	121.5
IES Type	110degree
BUG Rating	B2-U0-G0

Zonal Lumen Summary		
Zone	Lumens	%Luminaire
Low (0-30)°	1,203.30	28.30%
Medium (0-60)°	3,538.80	83.20%
High (60-90)°	712.10	16.80%
Very High (70-100)°	208.30	4.90%
Uplight (90-120)°	0	0%
Total Flux	4,251.00	100%

Luminous Intensity Distribution Curve



ISO FOOTCANDLE



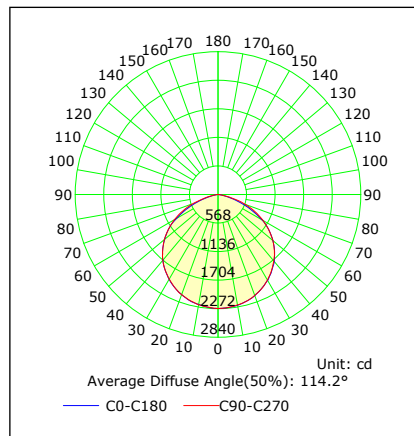
MFL02 55W

LUMINAIRE DATA

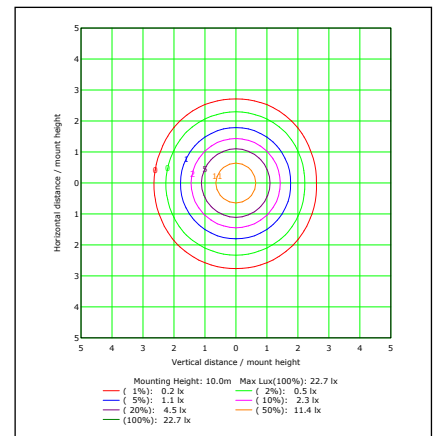
110degree Distribution	
Description	3000 Kelvin,80 CRI
Delivered Lumens	6,579
Watts	55
Efficacy	119.6
IES Type	110degree
BUG Rating	B2-U0-G1

Zonal Lumen Summary		
Zone	Lumens	%Luminaire
Low (0-30)°	1,854.90	28.20%
Medium (0-60)°	5,458.30	83.00%
High (60-90)°	1,120.20	17.00%
Very High (70-100)°	330.20	5.00%
Uplight (90-120)°	0	0%
Total Flux	6,578.60	100%

Luminous Intensity Distribution Curve



ISO FOOTCANDLE



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PHOTOMETRICS

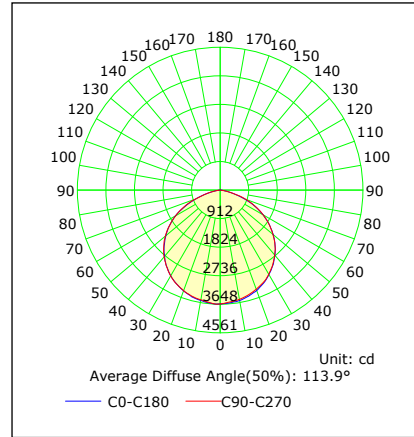
MFL02 80W

LUMINAIRE DATA

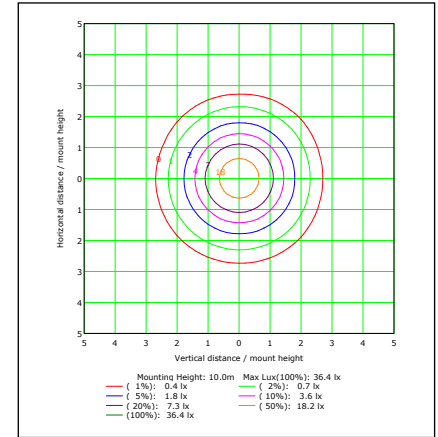
110degree Distribution	
Description	3000 Kelvin,80 CRI
Delivered Lumens	10,274
Watts	80
Efficacy	128.4
IES Type	110degree
BUG Rating	B3-U0-G1

Zonal Lumen Summary		
Zone	Lumens	%Luminaire
Low (0-30)°	2,878.90	28.00%
Medium (0-60)°	8,455.80	82.30%
High (60-90)°	1,818.00	17.70%
Very High (70-100)°	565.20	5.50%
Uplight (90-120)°	0	0%
Total Flux	10,273.70	100%

Luminous Intensity Distribution Curve



ISO FOOTCANDLE



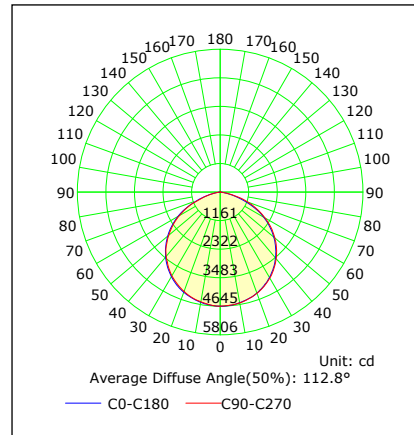
MFL02 100W

LUMINAIRE DATA

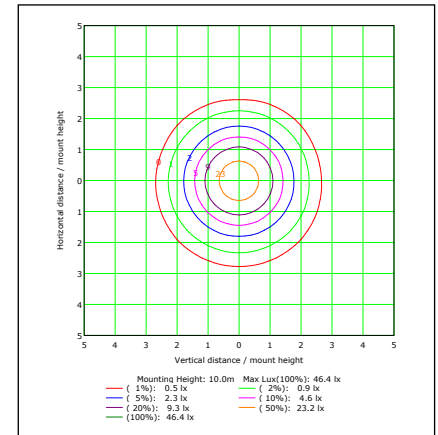
110degree Distribution	
Description	3000 Kelvin,80 CRI
Delivered Lumens	13,004
Watts	100
Efficacy	130
IES Type	110degree
BUG Rating	B3-U0-G1

Zonal Lumen Summary		
Zone	Lumens	%Luminaire
Low (0-30)°	3,679.90	28.30%
Medium (0-60)°	10,740.20	82.60%
High (60-90)°	2,264.00	17.40%
Very High (70-100)°	710.00	5.50%
Uplight (90-120)°	0	0%
Total Flux	13,004.20	100%

Luminous Intensity Distribution Curve



ISO FOOTCANDLE

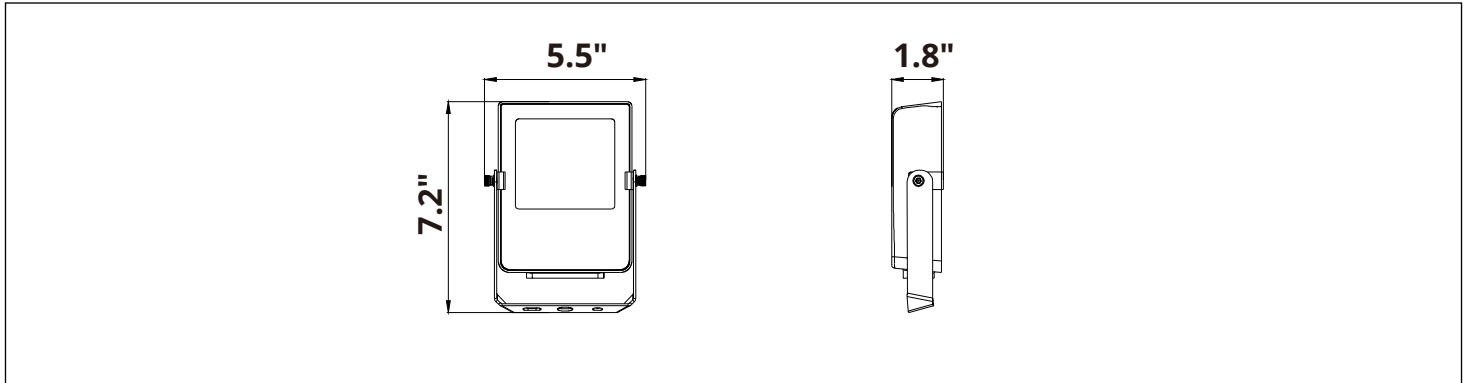


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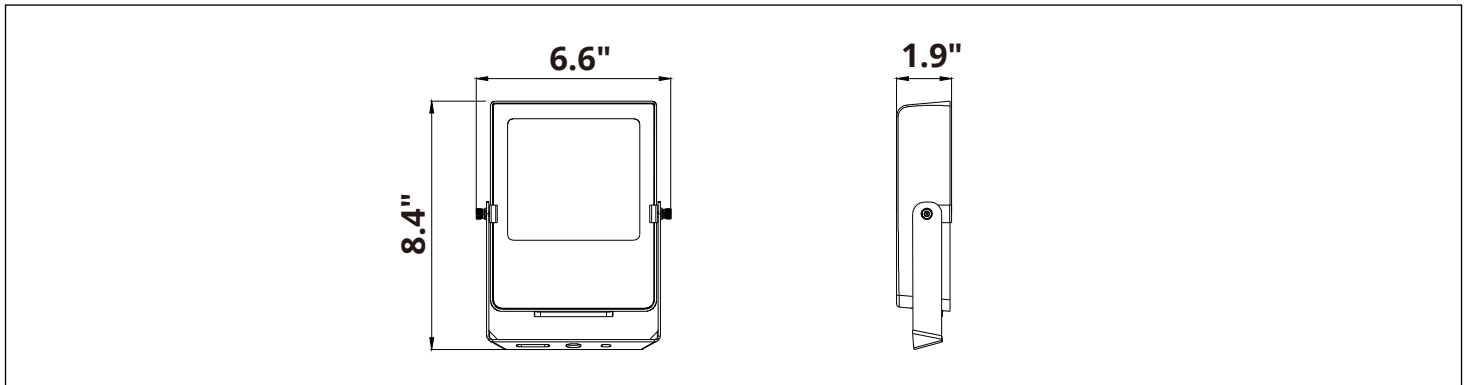
PRODUCT DIMENSIONS

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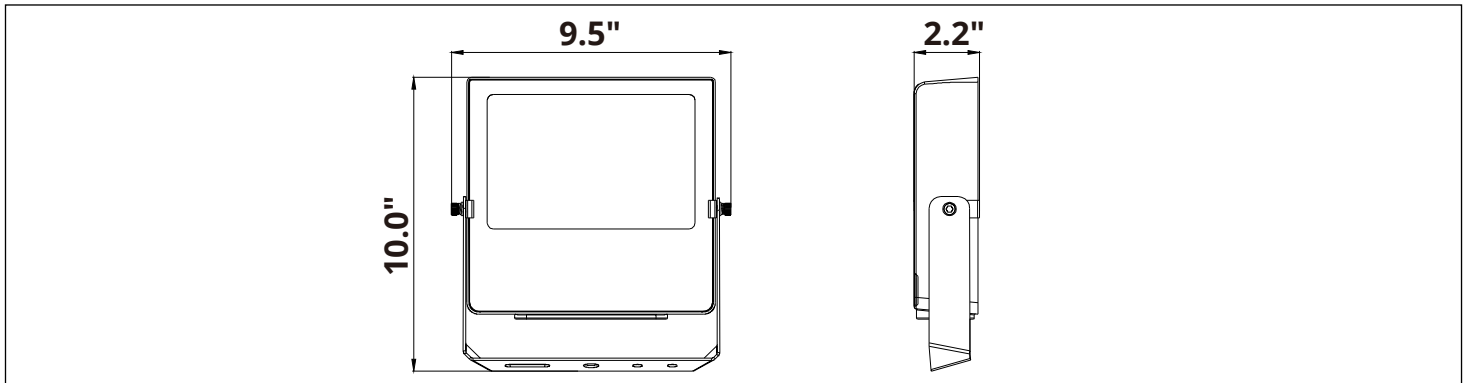
15W



35W, 55W



80W, 100W



MOUNTING

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UM -Flood mounting bracket