

FLOOD LIGHT(MFD11)



DESCRIPTION

MFD11 aims to provide customers with an economical, efficient, flexible and long-life floodlight. The low-profile and stylish exterior design can be well integrated into various architectural environments. Available in four sizes and multiple lumen packages from 15W-120W, this product also achieve up to 150lm/W efficiency. Reliable IP65 structural design, MFD11 is very suitable for general flood lighting of courtyards, driveways, buildings, billboards, etc.



SPECIFICATION FEATURES

Construction

- Die-cast aluminum optimize the best heat dissipation management as the main part of the fixture, which effectively improves the LED efficiency.
- Durable surface coating powder spraying and fully sealed tempered glass can extend the durability of the fixture.

Optics

- Optics(NEMA Type): 7Hx7V.
- Scalable Lumen Packages from 2,050 to 18,000 Lumens.
- The use of advanced refraction and reflection optical design concepts provides an optimal combination of vertical and horizontal illumination.
- The heat-resistant and impact-resistant toughened glass maximizes light extraction while obtaining a great night appearance.

LED Module

- Light engines are available in standard 3000K/4000K and 5000K (70 CRI) configurations.

Electrical

- Universal 120-277 VAC input voltage.
- Both drivers have a power factor >90%, THD <20%.
- Operating Temperature Range: -40°C - + 40°C (-40°F - + 104°F).

Control

- Photocell option.

Installation

- 1/2" NPS Knuckle, Slipfitter, Trunnion and Yoke are all available.

Lifespan

- Estimated 50,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

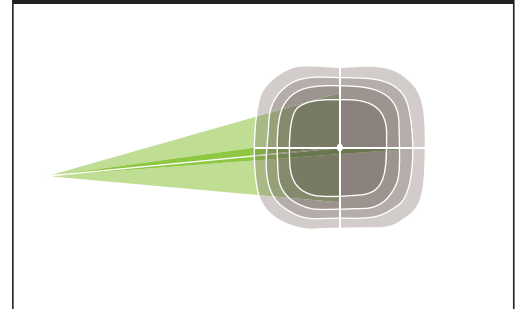
Warranty

- Five-year warranty.

Note

Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C (±5°C) specifications subject to change without notice.

PHOTOMETRICS



STRUCTURAL DESIGN



PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	DIST.TYPE	CRI	LUMENS (3000K)	LPW (3000K)	LUMENS (4000K)	LPW (4000K)	LUMENS (5000K)	LPW (5000K)
15W	120-277V	7Hx7V	70	2050lm	137 lm/W	2100lm	140 lm/W	2100lm	140 lm/W
27W	120-277V	7Hx7V	70	3500lm	130 lm/W	3600lm	133 lm/W	3600lm	133 lm/W
40W	120-277V	7Hx7V	70	5700lm	143 lm/W	5800lm	145 lm/W	5800lm	145 lm/W
65W	120-277V	7Hx7V	70	9200lm	142 lm/W	9400lm	145 lm/W	9400lm	145 lm/W
85W	120-277V	7Hx7V	70	12000lm	141 lm/W	12500lm	147 lm/W	12500lm	147 lm/W
120W	120-277V	7Hx7V	70	17500lm	146 lm/W	18000lm	150 lm/W	18000lm	150 lm/W

ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	230	15	120	0.13
		15	208	0.07
		15	240	0.06
		15	277	0.05
1	450	27	120	0.23
		27	208	0.13
		27	240	0.11
		27	277	0.10
1	680	40	120	0.33
		40	208	0.19
		40	240	0.17
		40	277	0.14
1	980	65	120	0.54
		65	208	0.31
		65	240	0.27
		65	277	0.23
1	730	85	120	0.75
		85	208	0.43
		85	240	0.38
		85	277	0.32
1	960	120	120	1.00
		120	208	0.58
		120	240	0.50
		120	277	0.43

MOUNTING

1/2" Knuckle Mount(15W/27W/40W/65W)



Trunnion Mount(15W/27W/40W/65W)



Slipfitter Mount(85W/120W)



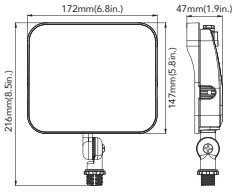
Yoke Mount(85W/120W)



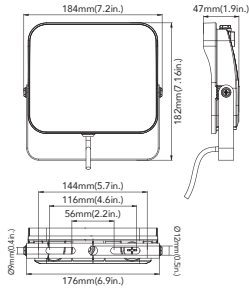
DIMENSIONS

unit: mm/inch

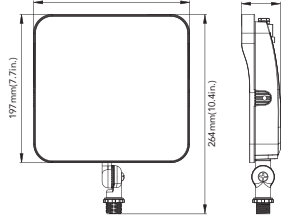
15W&27W&40W(Knuckle Mount)



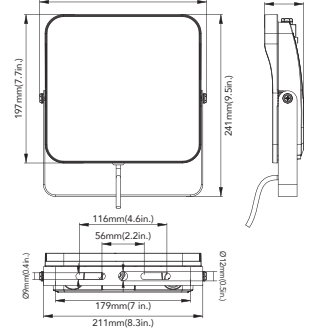
15W&27W&40W(Trunnion Mount)



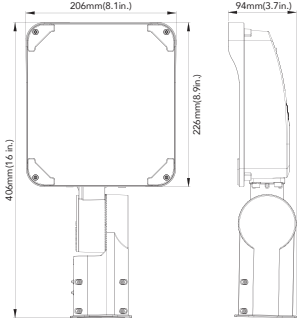
65W(Knuckle Mount)



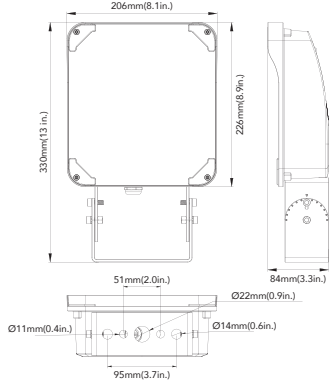
65W(Trunnion Mount)



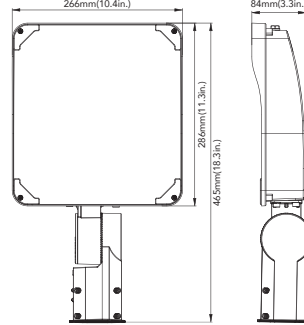
85W(Slipfitter Mount)



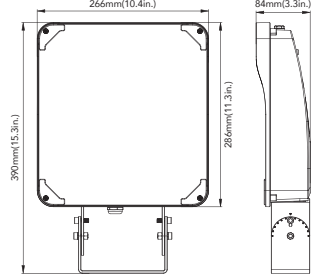
85W(Yoke Mount)



120W(Slipfitter Mount)



120W(Yoke Mount)



ORDERING GUIDE

Example:MFD1140W27V50KYYYY

Fixture Type	Wattage	Voltage	CCT	Finish	Photocell (Option)	Mounting	Nema	Internal Code
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
MFD11 Flood Light series	15 15W 27 27W 40 40W 65 65W 85 85W 120 120W	27V 120-277V	40K 4000K 50K 5000K	D Dark Bronze B Black W White	P With Photocell Blank Without Photocell	TR¹ Trunnion KN¹ Knuckle YK² Yoke SP² Slipfitter	B77 7Hx7V	Blank Alphanumeric

Note: 1. 15W,27W,40W,65W only suitable for knuckle and trunnion.

2. 85W,120W only suitable for slipfitter and yoke.