

# 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 one size and multiple lumen packages, this 120W also achieve up to 158lm/W efficiency. At the same time, it takes into account the functions of light control, CCT & Power adjustable, which can save energy to the greatest extent and facilitate customer stocking. Reliable IP65 structural design, MFD11 is very suitable for general flood lighting of courtyards, driveways, buildings, billboards, etc.

120W



## 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 17,500 to 19,000 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 color tunable version, the CCT can be changed to 3000K/4000K/5000K.

### Electrical

- Universal 120-277 VAC input voltage.
- 1-10V dimming.
- Both drivers have a power factor >90%, THD <20%.
- Operating Temperature Range: - 40°F + 104°F.

### Control

- Photocell option.

### Installation

- Yoke mount is available.

### Certifications

- UL cUL wet location listed.
- DesignLights Consortium™ Qualified. Note : DesignLights Consortium™ Qualified and classified for DLC Standard (all lumen packages), refer to [www.designlights.org](http://www.designlights.org) for details.

### 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 77°F specifications subject to change without notice.

## STRUCTURAL DESIGN



### Photocell (Option)

Optional photocell allows for security and energy saving.

### Optics

A high-reflective white reflector and tempered glass are used to shape the 7Hx7V light type. At the same time, the integrated visor that comes with the cover can reduce glare very well.

### Mounting

MFD11 has a yoke mount.



### Housing

One-piece die-cast aluminum housing with optimal thermal management both enhances LED efficacy and extends fixture's life.

### Power and CCT controller

The wattage and CCT can be changed by switch selection on the controller, it easy and very fast to meet the varied requirements.



## PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	DIST. TYPE	CRI	LUMENS (3000K)	LPW (3000K)	LUMENS (4000K)	LPW (4000K)	LUMENS (5000K)	LPW (5000K)
120W	120-277V	7Hx7V	70	17500lm	146 lm/W	19000lm	158 lm/W	18000lm	150 lm/W

## ADJUSTABLE LUMEN OUTPUT TABLE

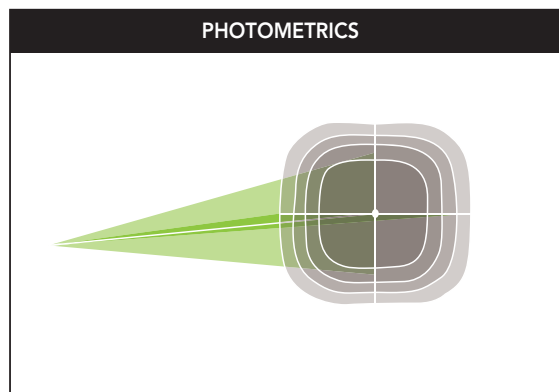
SETTING	120W	
	SYSTEM WATTS	LUMENS (5000K)
100%	120	18092
80%	98	15119
60%	71	11206
40%	52	8581

## ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	960	120	120	1.00
		120	208	0.58
		120	240	0.50
		120	277	0.43

## MOUNTING

### 120W (Yoke Mount)



## DIMENSIONS

unit: mm/inch

### 120W (Yoke Mount)

