

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 27W also achieve up to 141lm/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.

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 3,500 to 3,800 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.

Control

- Photocell option.

27W



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.

Installation

- A 1/2" NPS Knuckle 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 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 have a powerful 1/2" NPS knuckle 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)
27W	120-277V	7Hx7V	70	3500lm	130 lm/W	3800lm	141 lm/W	3600lm	133 lm/W

ADJUSTABLE LUMEN OUTPUT TABLE

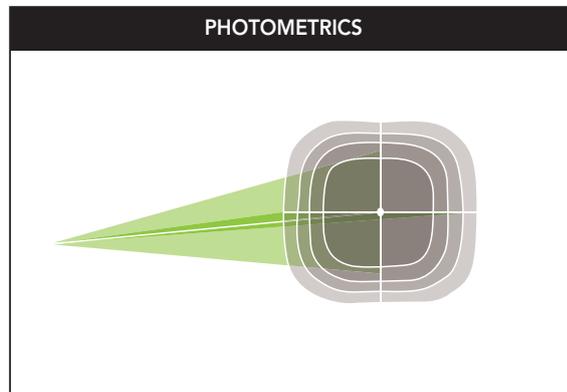
SETTING	27W	
	SYSTEM WATTS	LUMENS (5000K)
100%	27.23	3672
80%	20.4	2856
60%	15.52	2234
40%	11.4	1690

ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	450	27	120	0.23
		27	208	0.13
		27	240	0.11
		27	277	0.10

MOUNTING

1/2" Knuckle Mount (27W)



DIMENSIONS

unit: mm/inch

27W (Knuckle Mount)

