

ModMax High Output Flood
MM SERIES



420W FLOOD



630W FLOOD



PRODUCT DESCRIPTION:

ModMax is a highly flexible, modular flood and sports lighting solution designed to replace metal halide fixtures from 400W - 1500W. ModMax is specifiable in two-row, 105W modules, with up to six modules configurable in a single luminaire. Each row of modules is customizable with one of three available optical distributions: narrow, medium or wide. Double pivot heads allow each row, and the luminaire's carriage, to be independently aimed for precise lighting aim. ModMax is available in arch yoke and highbay mounting options.

FEATURES:

- Discrete modules allow for precision aiming
- Available with 3 possible beam distributions
- Double pivot aiming where each row of modules, and the luminaire's carriage can also be independently aimed
- CRI: ≥85
- Operating Temperature: -22°F to 122°F
- L70 lifetime >100,000 hours

CONSTRUCTION:

- Steel carriage for high bay and arch yoke mounts
- Independent aluminum heatsinking for each module
- Polyester TGIC powder coat finish
- 5'-1/2" shielded power feed cord included standard

MOUNTING:

- Arch Yoke: suitable for surface mounting (Dimensions available on page 4)
- Pole Mount: 2-3/8" fixed sliptfitter suitable for pole mounting applications.

DIMENSIONS: See page 3 for dimensions

MODEL SELECTION				Typical order example: MM420UWW50FDG		
MM				50		DG
FAMILY	NOMINAL WATTAGE, EQUIVALENCY	VOLTAGE	DISTRIBUTION	CCT	MOUNTING BRACKET	FINISH
MM= ModMax	420 = 420W, 1000W MH equivalent 630 = 630W, 1500W MH equivalent	U= 120-277V H= 347-480V	WW= 57° Wide NN= 29° Narrow MM= 40° Medium	50= 5000K	F= Arch Yoke P= Pole Mount (2-3/8" Tennon)	DG= Dark Gray Contact Maxlite for additional finishes

NOTES:

- 1) 420W models do not qualify for DLC
- 2) Please contact your MaxLite representative for lead times and quantities.

SPECIFICATIONS:

SPECIFICATIONS:		MM420UXXXXXX	MM630UXXXXXX
ITEM	SPECIFICATION	DETAILS	
GENERAL PERFORMANCE	Input Power (W)	445	629
	Lumens Delivered, Narrow Distribution (lm)	38,440	61,800
	Lumens Delivered, Medium Distribution (lm)	38,290	61,140
	Lumens Delivered, Wide Distribution (lm)	38,475	62,260
ELECTRICAL	Efficacy (lm/W)	85-99	
	Color Temperature	5000K	
	CRI	≥85	
PHYSICAL	Lumen Maintenance (L70, TM-21 @ 25°C)	200,000 hours	
	Input Voltage	120-277V; 347-480V	
	THD	<12%	
	Power Factor (277V)	≥0.9	
	Weight (lbs)	37.4	48.5
	Effective Projected Area (High Bay)	2.2 ft ²	3 ft ²
	Effective Projected Area (Flood)	2.5 ft ²	3.5 ft ²
	Housing	SMPS Cover, Carriage: Steel; Heatsinks: Aluminum	
	Lens	Tempered Glass Lens	
	Operating Temperature	-22°F to 122°F (-30°C to 50°C)	
QUALIFICATION	Humidity	>90%, Non-condensing	
	Finish	Dark Gray	
	Qualifications	DLC 4.1 Standard (630W models only), cULus, IP66	
	Environment	Outdoor wet location	
	Warranty	5 years	

ORDERING*:

ORDER CODE	MODEL	MOUNTING	VOLTAGE	DISTRIBUTION	CCT	NOMINAL WATTAGE
101408	MM420UWW50FDG	Arch Yoke, Flood	120-277V	Wide	5000K	420W
101409	MM630UWW50FDG	Arch Yoke, Flood				630W

*Please contact your MaxLite representative to order products that don't have order codes listed here.

EPA SPECIFICATIONS:

MODMAX 420W FLOOD LIGHT		MODMAX 630W FLOOD LIGHT	
90 deg.	EPA	90 deg.	EPA
	2.38		3.21
80 deg.	EPA	80 deg.	EPA
	2.32		3.03
70 deg.	EPA	70 deg.	EPA
	2.24		2.82
60 deg.	EPA	60 deg.	EPA
	2.12		2.58
50 deg.	EPA	50 deg.	EPA
	1.98		2.41
40 deg.	EPA	40 deg.	EPA
	1.80		2.17
30 deg.	EPA	30 deg.	EPA
	1.60		1.87
20 deg.	EPA	20 deg.	EPA
	1.39		1.85
10 deg.	EPA	10 deg.	EPA
	1.22		1.79

DIMENSIONAL DRAWINGS:

