

## LED Large Flood Light Series

### MLFL



MLFL70LED50



MLFL100LED50



MLFL140LED50



### PRODUCT DESCRIPTION:

An efficient, energy saving replacement for metal halide and high-pressure sodium fixtures, containing an integral listed driver, the LED Flood Light Series fixtures can be easily installed to a slip fitter.

The fixtures come standard with a 2-3/8" slip fitter adjustable knuckle in standard dark bronze; consult the factory for white finish.

### FEATURES:

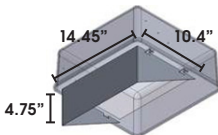
- Replaces up to 400 Watt pulse start metal halide
- CCT: 5000K
- CRI > 66
- Universal 100 to 277V, 50/60 Hz driver
- 2-3/8" slip fitter knuckle included
- NEMA 5x5 and 7x7 distributions available
- Black ceramic paint frit lens mask reduces glare and improves appearance
- Constructed without any hazardous materials
- Compatible with mechanical relay type Photocell and occupancy sensor
- LM-79/80 reports available
- Calculated L<sub>70</sub> based on LM-80 testing > 100,000 hours
- Five year limited warranty

#### MODEL SELECTION (Full list of order codes on pg. 2)

Typical order example: MLFL100LED50UHPC/F

MLFL		LED	50					
FAMILY	WATTAGE (NOMINAL)	TECH.	CCT	COLOR	VOLTAGE	PHOTOCONTROL	CONTROLS	DISTRIBUTION
MLFL= Large Flood	70= 70W 100= 100W 140= 140W	LED	50= 5000K	(OMIT)= Bronze (Standard) W= White <sup>1</sup>	(OMIT)= 120-277V (Standard) UH= 347-480V	(OMIT)= None PC= Rotatable Photocontrol Socket	(OMIT)= None MS4= Motion/Day-light Sensor (Hi/Low/Off)	(OMIT)= Medium Flood /F= Wide Flood

#### ACCESSORIES

ORDER CODE	MODEL NUMBER	DESCRIPTION	ACCESSORIES IMAGE
71456	FL2.37TF270	Slip Fitter Knuckle (Bronze)	
72710	MLARFLGS	Glare/House Side Shield	

#### NOTES:

- <sup>1</sup> Consult factory for lead time

## SPECIFICATIONS:

SPECIFICATIONS:		MLFL70LED50	MLFL100LED50	MLFL140LED50	MLFL70LED50/F	MLFL100LED50/F	MLFL140LED50/F
ITEM	SPECIFICATION	NEMA 5X5 OPTICS - DETAILS			NEMA 7X7 OPTICS - DETAILS		
GENERAL PERFORMANCE	Spacing Criteria	Available upon request					
	Power Consumption	62W	100W	136W	62W	100W	136W
	Lumens Delivered	5,220	9,130	11,730	5,470	9,160	12,140
	Efficacy	85 lm/w	92 lm/w	86 lm/w	89 lm/w	92 lm/w	90 lm/w
	CRI	68			70		68
	Beam Angle	71°	78°	79°	117°	115°	116°
	Field Angle	92°	93°		152°	151°	151°
	Color Temperature (CCT)	5000K					
	CRI	68 min					
	Lumen Maintenance (L70)	100,000 hours					
ELECTRICAL	Power Factor	Over 90%					
	Input Voltage	120V-277V 50/60 Hz					
PHYSICAL	Dimension	16.5" x 16.5" x 7.5"					
	EPA	1.10					
	Weight	18.4 lbs.					
	Housing	Aluminum					
	Lens	Tempered glass					
	Mounting	2 3/8" slip fitter knuckle, std.					
	Operating Temperature	-30°F to 115°F					
CERTIFICATION	Certification	cETLus, FCC, LM79, LM80, DLC					
	Material Usage	RoHS compliant; no mercury					
	Environment	Outdoor					
	Humidy	20% - 85%, RH, non condensing					
	Warranty	5 Year					

Lighting layouts and spacing criteria available upon request

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

## ORDERING:

ORDER CODE	MODEL	WATTS	LUMENS	CCT	DIMENSIONS (L" x W" x H")
71589	MLFL70LED50	62	5220	5000	16.5" x 16.5" x 7.5"
72032	MLFL70LED50/F	62	5470		
71587	MLFL100LED50	100	9130		
72034	MLFL100LED50/F	100	9160		
71585	MLFL140LED50	136	11,730		
72036	MLFL140LED50/F	136	12,140		

## CONSTRUCTION:

**Fixture:** The heavy duty cast aluminum one-piece housing is polyester powder coated and sealed from dirt, water and insects with a hinged door with a shock-proof tempered glass.

**Lens:** Tempered Glass

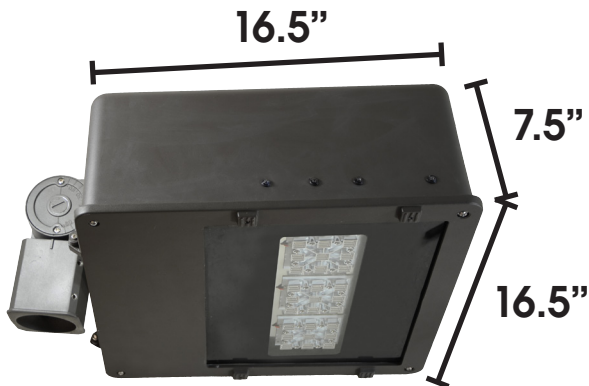
**LED Module:** Copper plating provides high thermal transfer rate, minimizing the junction temperature of the LEDs.

**Finish:** Dark bronze; white optional (consult factory for lead times)

## CONTROL:

- Omni-directional quad element infrared sensor
- 3 Daylight Harvesting setting
- 0-10V selectable output for low dim control
- Walk test and sensor operation LED indicator
- Direct lead wires for easy wiring connections
- 8 rotary DIP switch selectable control modes
- 7 low dim levels changeable via Accu-Set
- 7 time delay settings
- 3 selectable ambient Light Level thresholds

## DIMENSIONS:



## OPEN OPTICS OPTIONS:

