

LED Large Area Light

MLAR Series



MLAR70LED50



MLAR100LED50



MLAR140LED50



PRODUCT DESCRIPTION:

MaxLite's LED Area Lights are efficient, energy saving replacements for metal halide and high-pressure sodium fixtures, containing an universal voltage driver.

The fixtures come standard with a 6" extruded arm in standard dark bronze; a white finish is also available.

FEATURES:

- Replaces up to 400 Watt pulse start metal halide
- CCT: 5000K
- CRI > 66
- Universal 100 to 277V, 50/60 Hz driver
- 6" extruded aluminum arm included
- Full cutoff classification both type V square and wide distributions
- 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
- Five year limited warranty

MODEL SELECTION (Full list of order codes on pg. 3)

Typical order example: MLAR140LED50/5WMS4

MLAR		LED50				
FAMILY	WATTAGE (NOMINAL)	CCT	DISTRIBUTION	FINISH	VOLTAGE	CONTROLS
MLAR= Large Area Light	70= 62W, 250W MH equivalent 100= 100W, 300W PS equivalent 140= 136W, 400W HID equivalent	LED50= 5000K	(OMIT) Type V short /5W= Type V Wide (Recommended for Area Lighting) /3= Type III	(OMIT) Bronze, std W= 1White	(OMIT)= 120-277V (Standard) UH= 347-480V	(OMIT)= None PC= Rotatable Photocontrol Socket MS4= Motion/Daylight Sensor (Hi/Low/Off)

ACCESSORIES

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

NOTES:

1. Consult factory for lead time

SPECIFICATIONS:

ITEM	SPECIFICATION	MLAR70	MLAR100	MLAR140	MLAR70	MLAR100	MLAR140	MLAR70	MLAR100	MLAR140
		LED50/3	LED50/3	LED50/3	LED50	LED50	LED50	LED50/W	LED50/W	LED50/W
GENERAL PERFORMANCE	Distribution	Type III			Type V			Type V Wide		
	Input Power (W)	63	103	141	62	100	136	62	100	136
	Lumens Delivered (lm)	5730	9515	13040	5220	9130	11730	5470	9160	12140
	Efficacy (lm/W)	92			85	92	86	89	92	90
	CRI	≥66								
	Lumen Maintenance (L70, TM-21 @ 25°C)	100,000								
	Color Temperature	5000K								
	Spacing Criteria	Available Upon Request								
	Color Consistency	Proprietary binning for uniform color								
ELECTRICAL	Input Voltage	120-277V standard; 347-480V available			120-277V standard; 347-480V available			120-277V standard; 347-480V available		
	Power Factor (120V/277V)	≥0.99/≥0.92	≥0.99/≥0.96	≥0.99/≥0.91	≥0.99/≥0.92	≥0.99/≥0.97	≥0.99/≥0.89	≥0.99/≥0.92	≥0.99/≥0.97	≥0.99/≥0.89
PHYSICAL	Weight	16.1 lbs.	17.3 lbs.	21.3 lbs.	16.1 lbs.	17.3 lbs.	21.3 lbs.	16.1 lbs.	17.3 lbs.	21.3 lbs.
	Effective Projected Area, EPA (sq. ft.)	1.05								
	Housing	Aluminum								
	Lens	Tempered Glass								
	Mounting	6" extruded aluminum arm, standard								
	Operating Temperature	-30°F to 115°F								
	Humidity	20-85% RH, non-condensing								
CERTIFICATION	Certification	cETLus, LM79, LM80								
	Environment	Outdoor, Wet Locations								
	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.

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

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)

ORDERING*:

ORDER CODE	MODEL	FINISH	OPTIONS	VOLTAGE	DISTRIBUTION	NOMINAL WATTAGE	CCT
71324	MLAR70LED50	BRONZE	None	120-277V	TYPE V	70	5000K
75013	MLAR70LED50/3	BRONZE	None	120-277V	TYPE III	70	
75015	MLAR70LED50/3MS4	BRONZE	MOTION/DAYLIGHT SENSOR	120-277V	TYPE III	70	
75014	MLAR70LED50/3PC	BRONZE	PHOTOCONTROL RECEPTACLE	120-277V	TYPE III	70	
75016	MLAR70LED50/3UH	BRONZE	None	347-480V	TYPE III	70	
75019	MLAR70LED50/3W	WHITE	None	120-277V	TYPE III	70	
75021	MLAR70LED50/3WMS4	WHITE	MOTION/DAYLIGHT SENSOR	120-277V	TYPE III	70	
75022	MLAR70LED50/3WUH	WHITE	None	347-480V	TYPE III	70	
72026	MLAR70LED50/5W	WHITE	None	120-277V	TYPE V WIDE	70	
74151	MLAR70LED50MS4	BRONZE	MOTION/DAYLIGHT SENSOR	120-277V	TYPE V	70	
73054	MLAR70LED50PC	BRONZE	PHOTOCONTROL RECEPTACLE	120-277V	TYPE V	70	
73055	MLAR70LED50PC/5W	WHITE	PHOTOCONTROL RECEPTACLE	120-277V	TYPE V WIDE	70	
71641	MLAR70LED50W	WHITE	None	120-277V	TYPE V	70	
72931	MLAR70LED50W/5W	WHITE	None	120-277V	TYPE V WIDE	70	
71325	MLAR100LED50	BRONZE	None	120-277V	TYPE V	100	
75042	MLAR100LED50/3	BRONZE		120-277V	TYPE III	100	
75044	MLAR100LED50/3MS4	BRONZE	MOTION/DAYLIGHT SENSOR	120-277V	TYPE III	100	
75043	MLAR100LED50/3PC	BRONZE	PHOTOCONTROL RECEPTACLE	120-277V	TYPE III	100	
75045	MLAR100LED50/3UH	BRONZE	None	347-480V	TYPE III	100	
75048	MLAR100LED50/3W	WHITE	None	120-277V	TYPE III	100	
75050	MLAR100LED50/3WMS4	WHITE	MOTION/DAYLIGHT SENSOR	120-277V	TYPE III	100	
75051	MLAR100LED50/3WUH	WHITE	None	347-480V	TYPE III	100	
72028	MLAR100LED50/5W	WHITE	None	120-277V	TYPE V WIDE	100	
74155	MLAR100LED50MS4	BRONZE	MOTION/DAYLIGHT SENSOR	120-277V	TYPE V	100	
72596	MLAR100LED50PC	BRONZE	PHOTOCONTROL RECEPTACLE	120-277V	TYPE V	100	
72597	MLAR100LED50PC/5W	WHITE	PHOTOCONTROL RECEPTACLE	120-277V	TYPE V WIDE	100	
73109	MLAR100LED50UH	BRONZE	None	347-480V	TYPE V	100	
71642	MLAR100LED50W	WHITE	None	120-277V	TYPE V	100	
71326	MLAR140LED50	BRONZE	None	120-277V	TYPE V	140	
75071	MLAR140LED50/3	BRONZE	None	120-277V	TYPE III	140	
75073	MLAR140LED50/3MS4	BRONZE	MOTION/DAYLIGHT SENSOR	120-277V	TYPE III	140	
75072	MLAR140LED50/3PC	BRONZE	PHOTOCONTROL RECEPTACLE	120-277V	TYPE III	140	

**Continue to next page for more order codes

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ORDERING*:

ORDER CODE	MODEL	FINISH	OPTIONS	VOLTAGE	DISTRIBUTION	NOMINAL WATTAGE	CCT
75074	MLAR140LED50/3UH	BRONZE	None	347-480V	TYPE III	140	5000K
75077	MLAR140LED50/3W	WHITE	None	120-277V	TYPE III	140	
75080	MLAR140LED50/3WUH	WHITE	None	347-480V	TYPE III	140	
72030	MLAR140LED50/5W	WHITE	None	120-277V	TYPE V WIDE	140	
74161	MLAR140LED50MS4	BRONZE	MOTION/DAYLIGHT SENSOR	120-277V	TYPE V	140	
72599	MLAR140LED50PC	BRONZE	PHOTOCONTROL RECEPTACLE	120-277V	TYPE V	140	
73694	MLAR140LED50UH	BRONZE	None	347-480V	TYPE V	140	
71643	MLAR140LED50W	WHITE	None	120-277V	TYPE V	140	
72929	MLAR140LED50WUH	WHITE	None	347-480V	TYPE V	140	

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