

LED Area Lights Series

MLAR



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
- Calculated L70 based on LM-80 testing > 100,000 hours
- Five year limited warranty

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

Typical order example: MLAR140LED50WPCMS4

| MLAR | | LED50 | | | | |
|-------------------|-----------------------------------|---------------|--|--------------------------------|---|---|
| FAMILY | WATTAGE | CCT | FINISH | VOLTAGE | CONTROLS | DISTRIBUTION |
| MLAR= Large Flood | 70= 70W 100= 100W 140= 140W | LED50= 5,000K | OMIT= Bronze, Std W= White ¹ | OMIT= 120-277V UH= 347-480V | OMIT= None MS4= Motion/ Daylight Sensor (Hi/Low /Off) PC= Rotatable Photocontrol Receptacle | OMIT= Medium Distribution /5W= Type V Wide |

REPLACEMENT / OPTIONAL ARMS / ACCESSORIES

| ORDER CODE | MODEL NUMBER | DESCRIPTION | ACCESSORIES IMAGES |
|------------|--------------------|--|--------------------|
| 71454 | AR6STBZ | 6" area light arm for 4"-6" square poles (Bronze) | |
| 71455 | AR12STBZ | 12" area light arm for 4"-6" square poles (Bronze) | |
| 71453 | AR12RPBZ | 12" area light arm for 4" round poles (Bronze) | |
| 72710 | MLARFLGS | Glare/House Side Shield | |
| 72112 | SB2BZ ² | Swivel bracket 2 piece, supports max weight of 18lbs | |

NOTES:

- ¹ Consult factory for lead time
- ² Swivel bracket is only for 70W and 100W

SPECIFICATIONS:

MLAR70LED50

MLAR100LED50

MLAR140LED50

MLAR70LED50/5W

MLAR100LED50/5W

MLAR140LED50/5W

| ITEM | SPECIFICATION | TYPE V SQUARE OPTICS - DETAILS | | | TYPE V SQUARE WIDE 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 | 74° | 78° | 79° | 117° | 115° | 116° |
| | Field Angle | 94° | | 93° | 151° | 153° | 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 | 17 lbs. | | | | | |
| | Housing | Aluminum | | | | | |
| | Lens | Tempered glass | | | | | |
| | Mounting | 6" Ext. Alum Arm, Std | | | | | |
| | Operating Temperature | -30°F to 115°F | | | | | |
| CERTIFICATION | Certification | cETLus, FCC, LM79, LM80, DLC | | | | | |
| | Material Usage | RoHS compliant; no mercury | | | | | |
| | Environment | Outdoor | | | | | |
| | Humidity | 20% - 85%, RH, non condensing | | | | | |
| | Warranty | 5 Year | | | | | |

Lighting layouts and spacing criteria available upon request

DIMENSIONS:

OPEN OPTICS OPTIONS:




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ORDERING:

| ORDER CODE | MODEL | DESCRIPTION |
|------------|--------------------|--|
| 71324 | MLAR70LED50 | AREA LIGHT 70W LED 5000K WITH 6 ARM |
| 72026 | MLAR70LED50/5W | AREA LIGHT 70W LED 5000K TYPE V WIDE WITH 6 ARM |
| 74151 | MLAR70LED50MS4 | AREA LIGHT 70W LED 5000K WITH 6 ARM, MOTION/DAYLIGHT SENSOR |
| 74152 | MLAR70LED50MS4/5W | AREA LIGHT 70W LED 5000K TYPE V WIDE WITH 6 ARM, MOTION/DAYLIGHT SENSOR |
| 73054 | MLAR70LED50PC | AREA LIGHT 70W LED 5000K WITH 6 ARM WITH ROTATABLE PHOTOCONTROL RECEPTACLE |
| 73055 | MLAR70LED50PC/5W | AREA LIGHT 70W LED 5000K TYPE V WIDE WITH 6 ARM WITH ROTATABLE PHOTOCONTROL RECEPTACLE |
| 74051 | MLAR70LED50UH | AREA LIGHT 70W LED 5000K WITH 6 ARM, 347/480V |
| 71641 | MLAR70LED50W | AREA LIGHT 70W LED 5000K WHITE WITH 6 ARM |
| 72931 | MLAR70LED50W/5W | AREA LIGHT 70W LED 5000K TYPE V WIDE WITH 6 ARM WHITE |
| 73467 | MLAR70LED50WUH/5W | AREA LIGHT 70W LED 5000K TYPE V WIDE WITH 6 ARM WHITE, 347/480V |
| 71325 | MLAR100LED50 | AREA LIGHT 100W FLOOD LED 5000K WITH 6 ARM |
| 72028 | MLAR100LED50/5W | AREA LIGHT 100W LED 5000K TYPE V WIDE WITH 6 ARM |
| 74155 | MLAR100LED50MS4 | AREA LIGHT 100W FLOOD LED 5000K WITH 6 ARM, MOTION/DAYLIGHT SENSOR |
| 74156 | MLAR100LED50MS4/5W | AREA LIGHT 100W LED 5000K TYPE V WIDE WITH 6 ARM, MOTION/DAYLIGHT SENSOR |
| 72596 | MLAR100LED50PC | AREA LIGHT 100W LED 5000K WITH 6 ARM WITH ROTATABLE PHOTOCONTROL RECEPTACLE |
| 72597 | MLAR100LED50PC/5W | AREA LIGHT 100W LED 5000K TYPE V WIDE WITH 6 ARM WITH ROTATABLE PHOTOCONTROL RECEPTACLE |
| 73109 | MLAR100LED50UH | AREA LIGHT 100W LED 5000K WITH 6 ARM, 347/480V |
| 71642 | MLAR100LED50W | AREA LIGHT 100W LED 5000K WHITE WITH 6 ARM |
| 71326 | MLAR140LED50 | AREA LIGHT 140W LED 5000K WITH 6 ARM" |
| 72030 | MLAR140LED50/5W | AREA LIGHT 140W LED 5000K TYPE V WIDE WITH 6 ARM" |
| 74161 | MLAR140LED50MS4 | AREA LIGHT 140W LED 5000K WITH 6 ARM, MOTION/DAYLIGHT SENSOR" |
| 74162 | MLAR140LED50MS4/5W | AREA LIGHT 140W LED 5000K TYPE V WIDE WITH 6 ARM, MOTION/DAYLIGHT SENSOR" |
| 72599 | MLAR140LED50PC | AREA LIGHT 140W LED 5000K WITH 6 ARM WITH ROTATABLE PHOTOCONTROL RECEPTACLE" |
| 72982 | MLAR140LED50PC/5W | AREA LIGHT 140W LED 5000K TYPE V WIDE WITH 6 ARM WITH ROTATABLE PHOTOCONTROL RECEPTACLE" |
| 73694 | MLAR140LED50UH | AREA LIGHT 140W LED 5000K TYPE V WITH 6 ARM, 347/480V" |
| 72946 | MLAR140LED50UH/5W | AREA LIGHT 140W LED 5000K WHITE TYPE V WIDE WITH 6 ARM, 347/480V" |
| 71643 | MLAR140LED50W | AREA LIGHT 140W LED 5000K WHITE WITH 6 ARM" |
| 72031 | MLAR140LED50W/5W | AREA LIGHT 140W LED 5000K WHITE TYPE V WIDE WITH 6 ARM" |
| 72929 | MLAR140LED50WUH | AREA LIGHT 140W LED 5000K WHITE WITH 6 ARM, 347/480V" |
| 73559 | MLAR140LED50WUH/5W | AREA LIGHT 140W LED 5000K TYPE V WIDE WITH 6 ARM WHITE, 347/480V" |

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





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:

- 7 time delay settings
- 3 Daylight Harvesting setting
- Omni-directional quad element infrared sensor
- 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
- 3 selectable ambient Light Level thresholds