

**LED MEDIUM FLOOD LIGHT**  
**MFL SERIES**



MFL55AX7TX50B



MFL80AX7TX50B



MFL105AX7TX50B



**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
- 200,000-hour L70 lifetime, TM-21 standards @25°C
- Available NEMA beam spreads: 7H x 7V; 7H x 6V
- 2-3/8" gasketed slip fitter knuckle included
- Black ceramic paint frit lens mask reduces glare and improves appearance
- 0-10V dimming driver standard; compatible with IEC 60929 rated fluorescent or LED 0-10V dimmers
- Available with optional NEMA Photocotrol Receptacle
- LM-79/LM-80 data available
- 10-year Limited Warranty

| MODEL SELECTION (Full list of order codes on pg. 3 & 4) |  |                        | Typical order example: MFL105AH7T350B                     |  |                  |   |   |
|---|--|------------------------|---|--|------------------|---|---|
| MFL   |  | A                      |   |  | 50               |   |   |
| FAMILY  | WATTAGE (NOMINAL)  | GENERATION             | VOLTAGE   | DISTRIBUTION   | CCT              | FINISH  | OPTIONS   |
| <b>MFL=</b> Medium Flood Light                          | <b>55=</b> 55W, 250W MH equivalent<br><b>80=</b> 80W, 300W PS equivalent<br><b>*105=</b> 105W, 400W HID equivalent | <b>A=</b> Generation A | <b>U7=</b> 120-277V 700mA<br><b>*H7=</b> 347-480v, 700 mA | <b>T3=</b> Horizontal Flood, NEMA 7H x 6V<br><b>T4=</b> Vertical Flood, NEMA 7H x 7V Flood,<br><b>T5=</b> NEMA 7H x 7V | <b>50=</b> 5000K | <b>B=</b> Bronze, std RAL 8040<br><b>W=</b> White, RAL 9040 | <b>(OMIT)=</b> None, std<br><b>PC=</b> Rotatable Photocontrol Socket<br><b>MS4=</b> Motion/Daylight Sensor (Hi/Low/Off) |

| ACCESSORIES |              |  |                   |
|-------------|--------------|--|-------------------|
| ORDER CODE  | MODEL NUMBER | DESCRIPTION                                      | ACCESSORIES IMAGE |
| 72097       | WMB1HBZ      | Wall Mount Bracket Horizontal 2-3/8 "Bronze"     |                   |
| 72098       | WMB1VBZ      | Wall Mount Bracket Vertical 90° L 2-3/8 "Bronze" |                   |
| 96995       | WMB1HW       | Wall Mount Bracket Horizontal 2-3/8 "White"      |                   |

**NOTES:**

1. Consult factory for lead time
2. \*105W model in 4000K and 5000K in Type IV are not DLC qualified. All other models are DLC standard qualified
3. Only available for U7= 120-277V models

**SPECIFICATIONS:**

| ITEM                | SPECIFICATION                         | MFL55A                                    | MFL80A                                | MFL105  | MFL55A         | MFL80A | MFL105  | MFL55A | MFL80A | MFL105  |
|---------------------|---------------------------------------|---|---------------------------------------|---------|----------------|--------|---------|--------|--------|---------|
|                     |                                       | X7T350                                    | X7T350                                | AX7T350 | X7T450         | X7T450 | AX7T450 | X7T550 | X7T550 | AX7T550 |
| GENERAL PERFORMANCE | Distribution                          | Horizontal Flood                          |                                       |         | Vertical Flood |        |         | Flood  |        |         |
|                     | Input Power (W)                       | 54  | 81                                    | 110     | 54             | 81     | 110     | 55     | 81     | 110     |
|                     | Lumens Delivered (lm)                 | 5,530                                     | 8,090                                 | 11,095  | 5,535          | 8,090  | 11,100  | 5,770  | 8,435  | 11,315  |
|                     | Efficacy (lm/W)                       | ≥102                                      | ≥100                                  |         | ≥102           | ≥100   |         | ≥105   | ≥104   | ≥102    |
|                     | CRI                                   | ≥75                                       |                                       |         |                |        |         |        |        |         |
|                     | Lumen Maintenance (L70, TM-21 @ 25°C) | ≥200,000                                  |                                       |         |                |        |         |        |        |         |
|                     | Color Temperature                     | 5000K                                     |                                       |         |                |        |         |        |        |         |
|                     | Spacing Criteria                      | Available Upon Request                    |                                       |         |                |        |         |        |        |         |
|                     | Color Consistency                     | Proprietary binning for uniform color     |                                       |         |                |        |         |        |        |         |
|                     | ELECTRICAL                            | Input Voltage                             | 120-277V standard; 347-480V available |         |                |        |         |        |        |         |
| Power Factor (277V) |                                       | ≥0.91                                     |                                       |         |                |        |         |        |        |         |
| PHYSICAL            | Housing                               | Aluminum                                  |                                       |         |                |        |         |        |        |         |
|                     | Effective Projected Area (sq. ft.)    | 1.05                                      |                                       |         |                |        |         |        |        |         |
|                     | Lens                                  | Tempered Glass                            |                                       |         |                |        |         |        |        |         |
|                     | Mounting                              | 2 3/8" slip fitter knuckle, standard      |                                       |         |                |        |         |        |        |         |
|                     | Dimensions                            | 16"L x 16"W x 6.5"H                       |                                       |         |                |        |         |        |        |         |
| QUALIFICATIONS      | Qualification                         | cULus, LM-79, LM-80, TM-21, *DLC Standard |                                       |         |                |        |         |        |        |         |
|                     | Material Usage                        | RoHS compliant; no mercury                |                                       |         |                |        |         |        |        |         |
|                     | Environment                           | Outdoor, wet location                     |                                       |         |                |        |         |        |        |         |
|                     | Warranty                              | 10 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.

**NOTES:**

- \*105W models in 4000K are not DLC qualified. 105W models in 5000K and Type IV optics are not DLC qualified.

**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)

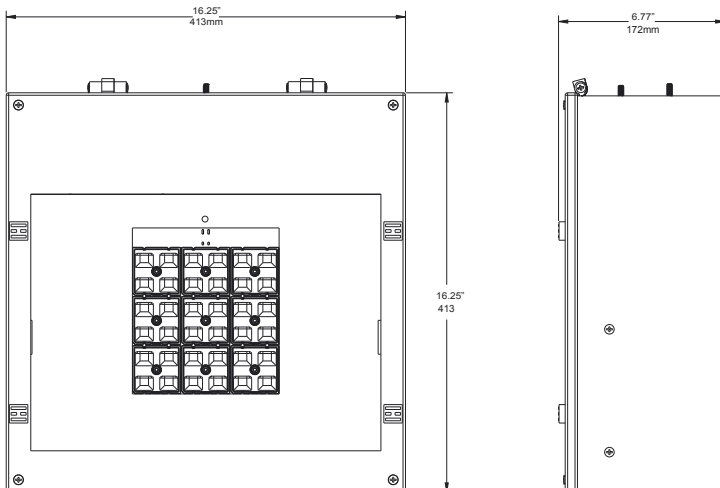
**SPECIFICATIONS:**

|                     |                                       | MFL55AU7T440B                             | MFL80AU7T440B | MFL105AU7T440B |
|---------------------|---------------------------------------|---|---------------|----------------|
| ITEM                | SPECIFICATION                         | DETAILS                                   | DETAILS       | DETAILS        |
| GENERAL PERFORMANCE | Distribution                          | Type IV                                   | Type III      | Type III       |
|                     | Input Power (W)                       | 54  | 83            | 110            |
|                     | Lumens Delivered (lm)                 | 5201                                      | 7835          | 10,407         |
|                     | Efficacy (lm/W)                       | 95  | 94            | 94             |
|                     | CRI                                   | ≥75                                       |               |                |
|                     | Lumen Maintenance (L70, TM-21 @ 25°C) | ≥200,000                                  |               |                |
|                     | Color Temperature                     | 4000K                                     |               |                |
|                     | Spacing Criteria                      | Available Upon Request                    |               |                |
|                     | Color Consistency                     | Proprietary binning for uniform color     |               |                |
| ELECTRICAL          | Input Voltage                         | 120-277V                                  |               |                |
|                     | Power Factor (277V)                   | ≥0.91                                     |               |                |
| PHYSICAL            | Housing                               | Aluminum                                  |               |                |
|                     | Effective Projected Area (sq. ft.)    | 1.05                                      |               |                |
|                     | Lens                                  | Tempered Glass                            |               |                |
|                     | Mounting                              | 2 3/8" slip fitter knuckle, standard      |               |                |
|                     | Dimensions                            | 16"L x 16"W x 6.5"H                       |               |                |
| QUALIFICATIONS      | Qualification                         | cULus, LM-79, LM-80, TM-21, *DLC Standard |               |                |
|                     | Material Usage                        | RoHS compliant; no mercury                |               |                |
|                     | Environment                           | Outdoor, wet location                     |               |                |
|                     | Warranty                              | 10 Year                                   |               |                |

4000K is only available in the optic for which we applied DLC for (Models listed in the tables above, i.e. Type III for the 80W and 105W and Type IV for the 55W).

**NOTES:**

- \*105W models in 4000K are not DLC qualified. 105W models in 5000K and Type IV optics are not DLC qualified.



**ORDERING\*:**

| ORDER CODE | MODEL            | FINISH | OPTIONS                 | VOLTAGE  | DISTRIBUTION     | NOMINAL WATTAGE | CCT   |
|------------|------------------|--------|-------------------------|----------|------------------|-----------------|-------|
| 95662      | MFL55AU7T350B    | BRONZE | NONE                    | 120-277V | HORIZONTAL FLOOD | 55              | 5000K |
| 95660      | MFL55AU7T350BPC  | BRONZE | PHOTOCONTROL RECEPTACLE | 120-277V | HORIZONTAL FLOOD | 55              |       |
| 95668      | MFL55AU7T450B    | BRONZE | NONE                    | 120-277V | VERTICAL FLOOD   | 55              |       |
| 95667      | MFL55AU7T450BMS4 | BRONZE | MOTION/DAYLIGHT SENSOR  | 120-277V | VERTICAL FLOOD   | 55              |       |
| 95148      | MFL55AU7T550B    | BRONZE | NONE                    | 120-277V | FLOOD            | 55              |       |
| 95712      | MFL80AH7T350BPC  | BRONZE | PHOTOCONTROL RECEPTACLE | 347-480V | HORIZONTAL FLOOD | 80              |       |
| 95697      | MFL80AU7T350B    | BRONZE | NONE                    | 120-277V | HORIZONTAL FLOOD | 80              |       |
| 95703      | MFL80AU7T450B    | BRONZE | NONE                    | 120-277V | VERTICAL FLOOD   | 80              |       |
| 96259      | MFL80AU7T550B    | BRONZE | NONE                    | 120-277V | FLOOD            | 55              |       |
| 95707      | MFL80AU7T550BPC  | BRONZE | PHOTOCONTROL RECEPTACLE | 120-277V | FLOOD            | 55              |       |
| 95732      | MFL105AU7T350B   | BRONZE | NONE                    | 120-277V | HORIZONTAL FLOOD | 105             |       |
| 95738      | MFL105AU7T450B   | BRONZE | NONE                    | 120-277V | VERTICAL FLOOD   | 80              |       |
| 96258      | MFL105AU7T550B   | BRONZE | NONE                    | 120-277V | FLOOD            | 80              |       |
| -          | MFL55AU7T440B    | BRONZE | NONE                    | 120-277V | Type IV          | 55              | 4000K |
| -          | MFL80AU7T440B    | BRONZE | NONE                    | 120-277V | Type III         | 80              |       |
| -          | MFL105AU7T440B   | BRONZE | NONE                    | 120-277V | Type III         | 105             |       |

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