

# AREA LIGHT(MAL08)

## Specifications

### Construction:

- The rugged, one-piece die-cast aluminum housing features a complete heat sink that optimizes heat dissipation through convection cooling management.
- Low profile, 3G vibration rated compact design minimizes wind load requirements.
- Housing is completely sealed against moisture and environmental contaminants.

### Optics:

- Available in IES Type II, III, IV, V distributions
- Light engines are available in adjustable color temperature (3000K&4000K&5000K) configurations.
- Scalable Lumen Packages from 6,600 to 61,000 Lumens replaces up to 1000W Metal Halide.
- Optics is precisely designed to shape the distribution, maximizing efficiency and application spacing.
- The optics can conform to dark sky requirement.

### Electrical:

- Universal 120-277 VAC or 347-480 VAC input voltage
- 10KA(@120-277V) or 20KA(@347-480V) surge protection
- 0-10V dimming driver standard for 10% to 100% dimming
- Power adjustable: 100%, 80%, 60%, 40%.
- THD: ≤20%
- Power Factor: ≥90%

### Controls:

- Optional Occupancy sensor or Microwave sensor.
- Optional Bluetooth sensor or Bluetooth controller.
- Optional NEMA 3-pin photocell or 7-pin photocell.

### Ambient Temperature:

- Ambient operating temperature -40°C to 45°C (-40°F to 113°F).
- The ambient temperature of 400W is: -40°C to 40°C.

### Installation:

- Suitable for mounting heights ranging from 26-50' in area lighting applications
- Round pole, Square pole, slipfitter, wall mount and yoke are available.
- The design can be operated by one person to install the whole lamp

### Lifespan:

- Estimated 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

### Finish:

- It's available in black or optional dark bronze, silvery gray or white.



Medium Size: 100W/140W/180W



Large Size: 250W/300W/400W



### Certifications:

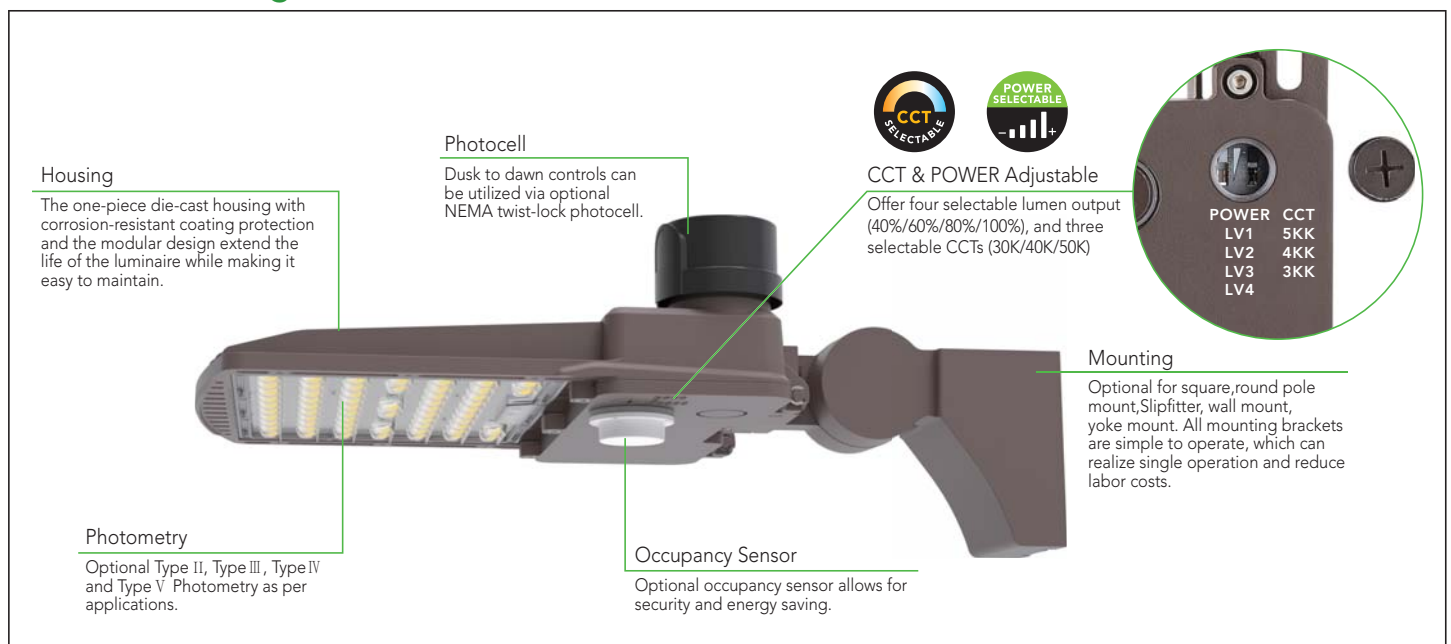
- UL wet location listed
- DesignLights Consortium™ Qualified.

Note: DesignLights Consortium™ Qualified and classified for DLC Premium, refer to [www.designlights.org](http://www.designlights.org) for details.

### Note:

Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C (±5°C) specifications subject to change without notice.

## Structural Design



PERFORMANCE DATA

| MAL08100W |              |           |     |         |          |         |          |         |          |
|-----------|--------------|-----------|-----|---------|----------|---------|----------|---------|----------|
| SETTING   | SYSTEM WATTS | DIST.TYPE | CRI | 3000K   |          | 4000K   |          | 5000K   |          |
|           |              |           |     | LUMENS  | LPW      | LUMENS  | LPW      | LUMENS  | LPW      |
| 100%      | 100W         | 2         | 70  | 14500lm | 145 lm/W | 15800lm | 158 lm/W | 15000lm | 150 lm/W |
|           |              | 3         | 70  | 14500lm | 145 lm/W | 15800lm | 158 lm/W | 15000lm | 150 lm/W |
|           |              | 4         | 70  | 14500lm | 145 lm/W | 15800lm | 158 lm/W | 15000lm | 150 lm/W |
|           |              | 5         | 70  | 15100lm | 151 lm/W | 16000lm | 160 lm/W | 15600lm | 156 lm/W |
| 80%       | 80W          | 2         | 70  | 12000lm | 150 lm/W | 13000lm | 163 lm/W | 12500lm | 156 lm/W |
|           |              | 3         | 70  | 12000lm | 150 lm/W | 13000lm | 163 lm/W | 12500lm | 156 lm/W |
|           |              | 4         | 70  | 12000lm | 150 lm/W | 13000lm | 163 lm/W | 12500lm | 156 lm/W |
|           |              | 5         | 70  | 12500lm | 156 lm/W | 13300lm | 166 lm/W | 12800lm | 160 lm/W |
| 60%       | 60W          | 2         | 70  | 9300lm  | 155 lm/W | 10000lm | 167 lm/W | 9600lm  | 160 lm/W |
|           |              | 3         | 70  | 9300lm  | 155 lm/W | 10000lm | 167 lm/W | 9600lm  | 160 lm/W |
|           |              | 4         | 70  | 9300lm  | 155 lm/W | 10000lm | 167 lm/W | 9600lm  | 160 lm/W |
|           |              | 5         | 70  | 9600lm  | 160 lm/W | 10200lm | 170 lm/W | 9850lm  | 164 lm/W |
| 40%       | 40W          | 2         | 70  | 6400lm  | 160 lm/W | 6800lm  | 170 lm/W | 6560lm  | 164 lm/W |
|           |              | 3         | 70  | 6400lm  | 160 lm/W | 6800lm  | 170 lm/W | 6560lm  | 164 lm/W |
|           |              | 4         | 70  | 6400lm  | 160 lm/W | 6800lm  | 170 lm/W | 6560lm  | 164 lm/W |
|           |              | 5         | 70  | 6560lm  | 164 lm/W | 7000lm  | 175 lm/W | 6700lm  | 168 lm/W |

| MAL08140W |              |           |     |         |          |         |          |         |          |
|-----------|--------------|-----------|-----|---------|----------|---------|----------|---------|----------|
| SETTING   | SYSTEM WATTS | DIST.TYPE | CRI | 3000K   |          | 4000K   |          | 5000K   |          |
|           |              |           |     | LUMENS  | LPW      | LUMENS  | LPW      | LUMENS  | LPW      |
| 100%      | 140W         | 2         | 70  | 20000lm | 147 lm/W | 23000lm | 164 lm/W | 21000lm | 150 lm/W |
|           |              | 3         | 70  | 20000lm | 147 lm/W | 23000lm | 164 lm/W | 21000lm | 150 lm/W |
|           |              | 4         | 70  | 20000lm | 147 lm/W | 23000lm | 164 lm/W | 21000lm | 150 lm/W |
|           |              | 5         | 70  | 21000lm | 150 lm/W | 23500lm | 168 lm/W | 21500lm | 154 lm/W |
| 80%       | 120W         | 2         | 70  | 18000lm | 150 lm/W | 20000lm | 167 lm/W | 18500lm | 154 lm/W |
|           |              | 3         | 70  | 18000lm | 150 lm/W | 20000lm | 167 lm/W | 18500lm | 154 lm/W |
|           |              | 4         | 70  | 18000lm | 150 lm/W | 20000lm | 167 lm/W | 18500lm | 154 lm/W |
|           |              | 5         | 70  | 18500lm | 154 lm/W | 20500lm | 171 lm/W | 19000lm | 158 lm/W |
| 60%       | 90W          | 2         | 70  | 13800lm | 153 lm/W | 15200lm | 169 lm/W | 14200lm | 158 lm/W |
|           |              | 3         | 70  | 13800lm | 153 lm/W | 15200lm | 169 lm/W | 14200lm | 158 lm/W |
|           |              | 4         | 70  | 13800lm | 153 lm/W | 15200lm | 169 lm/W | 14200lm | 158 lm/W |
|           |              | 5         | 70  | 14000lm | 156 lm/W | 15600lm | 172 lm/W | 14500lm | 161 lm/W |
| 40%       | 60W          | 2         | 70  | 9400lm  | 157 lm/W | 10300lm | 172 lm/W | 9700lm  | 162 lm/W |
|           |              | 3         | 70  | 9400lm  | 157 lm/W | 10300lm | 172 lm/W | 9700lm  | 162 lm/W |
|           |              | 4         | 70  | 9400lm  | 157 lm/W | 10300lm | 172 lm/W | 9700lm  | 162 lm/W |
|           |              | 5         | 70  | 9600lm  | 160 lm/W | 10500lm | 175 lm/W | 10000lm | 167 lm/W |

| MAL08180W |              |           |     |         |          |         |          |         |          |
|-----------|--------------|-----------|-----|---------|----------|---------|----------|---------|----------|
| SETTING   | SYSTEM WATTS | DIST.TYPE | CRI | 3000K   |          | 4000K   |          | 5000K   |          |
|           |              |           |     | LUMENS  | LPW      | LUMENS  | LPW      | LUMENS  | LPW      |
| 100%      | 180W         | 2         | 70  | 24800lm | 138 lm/W | 27000lm | 150 lm/W | 25200lm | 140 lm/W |
|           |              | 3         | 70  | 24800lm | 138 lm/W | 27000lm | 150 lm/W | 25200lm | 140 lm/W |
|           |              | 4         | 70  | 24800lm | 138 lm/W | 27000lm | 150 lm/W | 25200lm | 140 lm/W |
|           |              | 5         | 70  | 25500lm | 142 lm/W | 28000lm | 156 lm/W | 26000lm | 144 lm/W |
| 80%       | 144W         | 2         | 70  | 20200lm | 140 lm/W | 22000lm | 153 lm/W | 20600lm | 143 lm/W |
|           |              | 3         | 70  | 20200lm | 140 lm/W | 22000lm | 153 lm/W | 20600lm | 143 lm/W |
|           |              | 4         | 70  | 20200lm | 140 lm/W | 22000lm | 153 lm/W | 20600lm | 143 lm/W |
|           |              | 5         | 70  | 20800lm | 144 lm/W | 22800lm | 158 lm/W | 21000lm | 146 lm/W |
| 60%       | 108W         | 2         | 70  | 15300lm | 142 lm/W | 16800lm | 156 lm/W | 15700lm | 145 lm/W |
|           |              | 3         | 70  | 15300lm | 142 lm/W | 16800lm | 156 lm/W | 15700lm | 145 lm/W |
|           |              | 4         | 70  | 15300lm | 142 lm/W | 16800lm | 156 lm/W | 15700lm | 145 lm/W |
|           |              | 5         | 70  | 15800lm | 146 lm/W | 17300lm | 160 lm/W | 16200lm | 150 lm/W |
| 40%       | 72W          | 2         | 70  | 10500lm | 146 lm/W | 11500lm | 160 lm/W | 10800lm | 150 lm/W |
|           |              | 3         | 70  | 10500lm | 146 lm/W | 11500lm | 160 lm/W | 10800lm | 150 lm/W |
|           |              | 4         | 70  | 10500lm | 146 lm/W | 11500lm | 160 lm/W | 10800lm | 150 lm/W |
|           |              | 5         | 70  | 10800lm | 150 lm/W | 11800lm | 164 lm/W | 11000lm | 153 lm/W |

| MAL08250W |              |           |     |         |          |         |          |         |          |
|-----------|--------------|-----------|-----|---------|----------|---------|----------|---------|----------|
| SETTING   | SYSTEM WATTS | DIST.TYPE | CRI | 3000K   |          | 4000K   |          | 5000K   |          |
|           |              |           |     | LUMENS  | LPW      | LUMENS  | LPW      | LUMENS  | LPW      |
| 100%      | 250W         | 2         | 70  | 33500lm | 134 lm/W | 37000lm | 148 lm/W | 34500lm | 138 lm/W |
|           |              | 3         | 70  | 33500lm | 134 lm/W | 37000lm | 148 lm/W | 34500lm | 138 lm/W |
|           |              | 4         | 70  | 33500lm | 134 lm/W | 37000lm | 148 lm/W | 34500lm | 138 lm/W |
|           |              | 5         | 70  | 34500lm | 138 lm/W | 38000lm | 152 lm/W | 35500lm | 142 lm/W |
| 80%       | 200W         | 2         | 70  | 27500lm | 138 lm/W | 30400lm | 152 lm/W | 28400lm | 142 lm/W |
|           |              | 3         | 70  | 27500lm | 138 lm/W | 30400lm | 152 lm/W | 28400lm | 142 lm/W |
|           |              | 4         | 70  | 27500lm | 138 lm/W | 30400lm | 152 lm/W | 28400lm | 142 lm/W |
|           |              | 5         | 70  | 28000lm | 140 lm/W | 31000lm | 155 lm/W | 28800lm | 144 lm/W |
| 60%       | 150W         | 2         | 70  | 21300lm | 142 lm/W | 23200lm | 155 lm/W | 21800lm | 145 lm/W |
|           |              | 3         | 70  | 21300lm | 142 lm/W | 23200lm | 155 lm/W | 21800lm | 145 lm/W |
|           |              | 4         | 70  | 21300lm | 142 lm/W | 23200lm | 155 lm/W | 21800lm | 145 lm/W |
|           |              | 5         | 70  | 21800lm | 145 lm/W | 23800lm | 159 lm/W | 22500lm | 150 lm/W |
| 40%       | 100W         | 2         | 70  | 14500lm | 145 lm/W | 16000lm | 160 lm/W | 14800lm | 148 lm/W |
|           |              | 3         | 70  | 14500lm | 145 lm/W | 16000lm | 160 lm/W | 14800lm | 148 lm/W |
|           |              | 4         | 70  | 14500lm | 145 lm/W | 16000lm | 160 lm/W | 14800lm | 148 lm/W |
|           |              | 5         | 70  | 15000lm | 150 lm/W | 16500lm | 165 lm/W | 15500lm | 155 lm/W |

| MAL08300W |              |           |     |         |          |         |          |         |          |
|-----------|--------------|-----------|-----|---------|----------|---------|----------|---------|----------|
| SETTING   | SYSTEM WATTS | DIST.TYPE | CRI | 3000K   |          | 4000K   |          | 5000K   |          |
|           |              |           |     | LUMENS  | LPW      | LUMENS  | LPW      | LUMENS  | LPW      |
| 100%      | 300W         | 2         | 70  | 41000lm | 137 lm/W | 45000lm | 150 lm/W | 42000lm | 140 lm/W |
|           |              | 3         | 70  | 41000lm | 137 lm/W | 45000lm | 150 lm/W | 42000lm | 140 lm/W |
|           |              | 4         | 70  | 41000lm | 137 lm/W | 45000lm | 150 lm/W | 42000lm | 140 lm/W |
|           |              | 5         | 70  | 42500lm | 142 lm/W | 46000lm | 153 lm/W | 43500lm | 145 lm/W |
| 80%       | 240W         | 2         | 70  | 33600lm | 140 lm/W | 37000lm | 154 lm/W | 34500lm | 144 lm/W |
|           |              | 3         | 70  | 33600lm | 140 lm/W | 37000lm | 154 lm/W | 34500lm | 144 lm/W |
|           |              | 4         | 70  | 33600lm | 140 lm/W | 37000lm | 154 lm/W | 34500lm | 144 lm/W |
|           |              | 5         | 70  | 34500lm | 144 lm/W | 38000lm | 158 lm/W | 35500lm | 148 lm/W |
| 60%       | 180W         | 2         | 70  | 26000lm | 144 lm/W | 28600lm | 159 lm/W | 26600lm | 148 lm/W |
|           |              | 3         | 70  | 26000lm | 144 lm/W | 28600lm | 159 lm/W | 26600lm | 148 lm/W |
|           |              | 4         | 70  | 26000lm | 144 lm/W | 28600lm | 159 lm/W | 26600lm | 148 lm/W |
|           |              | 5         | 70  | 26600lm | 148 lm/W | 29700lm | 165 lm/W | 27500lm | 153 lm/W |
| 40%       | 120W         | 2         | 70  | 18000lm | 150 lm/W | 20000lm | 167 lm/W | 18500lm | 154 lm/W |
|           |              | 3         | 70  | 18000lm | 150 lm/W | 20000lm | 167 lm/W | 18500lm | 154 lm/W |
|           |              | 4         | 70  | 18000lm | 150 lm/W | 20000lm | 167 lm/W | 18500lm | 154 lm/W |
|           |              | 5         | 70  | 18500lm | 154 lm/W | 20800lm | 173 lm/W | 19000lm | 158 lm/W |

| MAL08400W |              |           |     |         |          |         |          |
|-----------|--------------|-----------|-----|---------|----------|---------|----------|
| SETTING   | SYSTEM WATTS | DIST.TYPE | CRI | 4000K   |          | 5000K   |          |
|           |              |           |     | LUMENS  | LPW      | LUMENS  | LPW      |
| LV1       | 400W         | 2         | 70  | 60500lm | 151 lm/W | 60000lm | 150 lm/W |
|           |              | 3         | 70  | 60500lm | 151 lm/W | 60000lm | 150 lm/W |
|           |              | 4         | 70  | 60500lm | 151 lm/W | 60000lm | 150 lm/W |
|           |              | 5         | 70  | 61000lm | 153 lm/W | 60800lm | 152 lm/W |
| LV2       | 360W         | 2         | 70  | 56000lm | 156 lm/W | 55000lm | 153 lm/W |
|           |              | 3         | 70  | 56000lm | 156 lm/W | 55000lm | 153 lm/W |
|           |              | 4         | 70  | 56000lm | 156 lm/W | 55000lm | 153 lm/W |
|           |              | 5         | 70  | 56500lm | 157 lm/W | 55500lm | 154 lm/W |
| LV3       | 320W         | 2         | 70  | 51000lm | 159 lm/W | 50000lm | 156 lm/W |
|           |              | 3         | 70  | 51000lm | 159 lm/W | 50000lm | 156 lm/W |
|           |              | 4         | 70  | 51000lm | 159 lm/W | 50000lm | 156 lm/W |
|           |              | 5         | 70  | 51500lm | 161 lm/W | 50500lm | 159 lm/W |
| LV4       | 300W         | 2         | 70  | 47000lm | 162 lm/W | 46000lm | 159 lm/W |
|           |              | 3         | 70  | 47000lm | 162 lm/W | 46000lm | 159 lm/W |
|           |              | 4         | 70  | 47000lm | 162 lm/W | 46000lm | 159 lm/W |
|           |              | 5         | 70  | 47500lm | 164 lm/W | 46500lm | 160 lm/W |

BUG @5000K

| SYSTEM WATTS | VOLTAGE           | DIST.TYPE | B | U | G |
|--------------|-------------------|-----------|---|---|---|
| 100W         | 120-277V/347-480V | 2         | 3 | 0 | 3 |
|              |                   | 3         | 3 | 0 | 3 |
|              |                   | 4         | 3 | 0 | 2 |
|              |                   | 5         | 4 | 0 | 2 |
| 140W         | 120-277V/347-480V | 2         | 3 | 0 | 3 |
|              |                   | 3         | 3 | 0 | 3 |
|              |                   | 4         | 3 | 0 | 3 |
|              |                   | 5         | 4 | 0 | 2 |
| 180W         | 120-277V/347-480V | 2         | 4 | 0 | 3 |
|              |                   | 3         | 3 | 0 | 3 |
|              |                   | 4         | 3 | 0 | 3 |
|              |                   | 5         | 4 | 0 | 2 |
| 250W         | 120-277V/347-480V | 2         | 4 | 0 | 4 |
|              |                   | 3         | 4 | 0 | 4 |
|              |                   | 4         | 4 | 0 | 3 |
|              |                   | 5         | 5 | 0 | 3 |
| 300W         | 120-277V/347-480V | 2         | 5 | 0 | 4 |
|              |                   | 3         | 4 | 0 | 4 |
|              |                   | 4         | 4 | 0 | 4 |
|              |                   | 5         | 5 | 0 | 4 |
| 400W         | 120-277V/347-480V | 2         | 5 | 0 | 4 |
|              |                   | 3         | 5 | 0 | 5 |
|              |                   | 4         | 5 | 0 | 5 |
|              |                   | 5         | 5 | 0 | 4 |

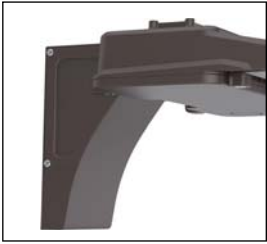
ELECTRICAL DATA

| Number Of Drivers | Driver Current (mA) | Nominal Power (W) | INPUT VOLTAGE (V) | CURRENT (Amps) |
|-------------------|---------------------|-------------------|-------------------|----------------|
| 1                 | 850                 | 100               | 120               | 0.83           |
|                   |                     | 100               | 208               | 0.48           |
|                   |                     | 100               | 240               | 0.42           |
|                   |                     | 100               | 277               | 0.36           |
|                   | 2520                | 100               | 347               | 0.29           |
|                   |                     | 100               | 480               | 0.21           |
| 1                 | 1200                | 140               | 120               | 1.17           |
|                   |                     | 140               | 208               | 0.67           |
|                   |                     | 140               | 240               | 0.58           |
|                   |                     | 140               | 277               | 0.51           |
|                   |                     | 140               | 347               | 0.40           |
|                   |                     | 140               | 480               | 0.29           |
| 1                 | 960                 | 180               | 120               | 1.50           |
|                   |                     | 180               | 208               | 0.87           |
|                   |                     | 180               | 240               | 0.75           |
|                   |                     | 180               | 277               | 0.65           |
|                   |                     | 180               | 347               | 0.52           |
|                   |                     | 180               | 480               | 0.38           |
| 1                 | 1200                | 250               | 120               | 2.08           |
|                   |                     | 250               | 208               | 1.20           |
|                   |                     | 250               | 240               | 1.04           |
|                   |                     | 250               | 277               | 0.90           |
|                   |                     | 250               | 347               | 0.72           |
|                   |                     | 250               | 480               | 0.52           |
| 1                 | 1500                | 300               | 120               | 2.50           |
|                   |                     | 300               | 208               | 1.44           |
|                   |                     | 300               | 240               | 1.25           |
|                   |                     | 300               | 277               | 1.08           |
|                   |                     | 300               | 347               | 0.86           |
|                   |                     | 300               | 480               | 0.63           |
| 1                 | 1460                | 400               | 120               | 3.33           |
|                   |                     | 400               | 208               | 1.92           |
|                   |                     | 400               | 240               | 1.67           |
|                   |                     | 400               | 277               | 1.44           |
|                   |                     | 400               | 347               | 1.15           |
|                   |                     | 400               | 480               | 0.83           |

# MOUNTING

- Standard versatile mounting arm accommodates multiple drilling patterns as well as square and round poles
- Optional for cast aluminum slipfitter mounting adapter (Compatible with more MESTER mounting adaptors such as Tenon, suits for various application)

## Mounting Options



**Arm Mount**  
(4" and 5" Square and Round poles)  
Standard versatile mounting arm is simple to install and can be used with existing poles for retrofit installations.



**Slipfitter Mount**  
An optional cast aluminum mast arm adapter secures fixture head to nominal 2-3/8" O.D. horizontal steel tenon arm.



**Wall Mount**  
Wall Mount is easy to install for direct wall mounting with 1/2" conduit wiring or standard J-box mounting

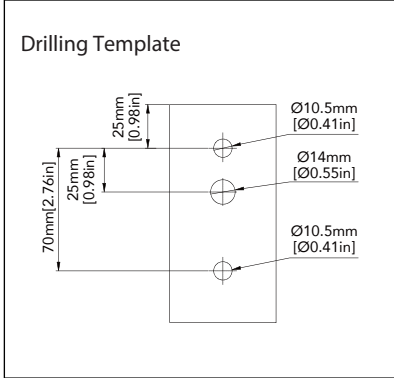
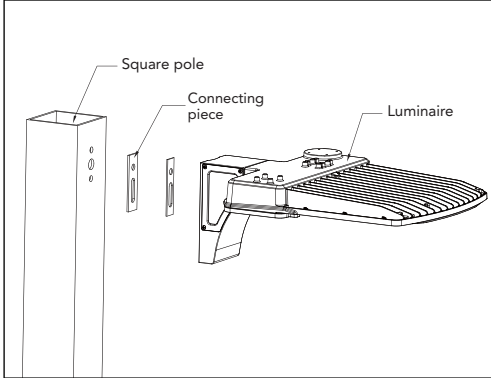
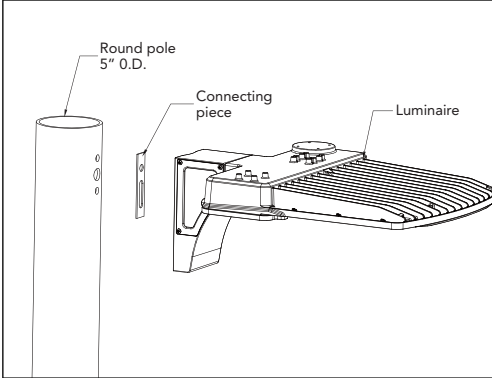


**Yoke Mount**  
Die-cast aluminum trunnion is easily adapted to many surfaces and allows easy fixture aiming angles.



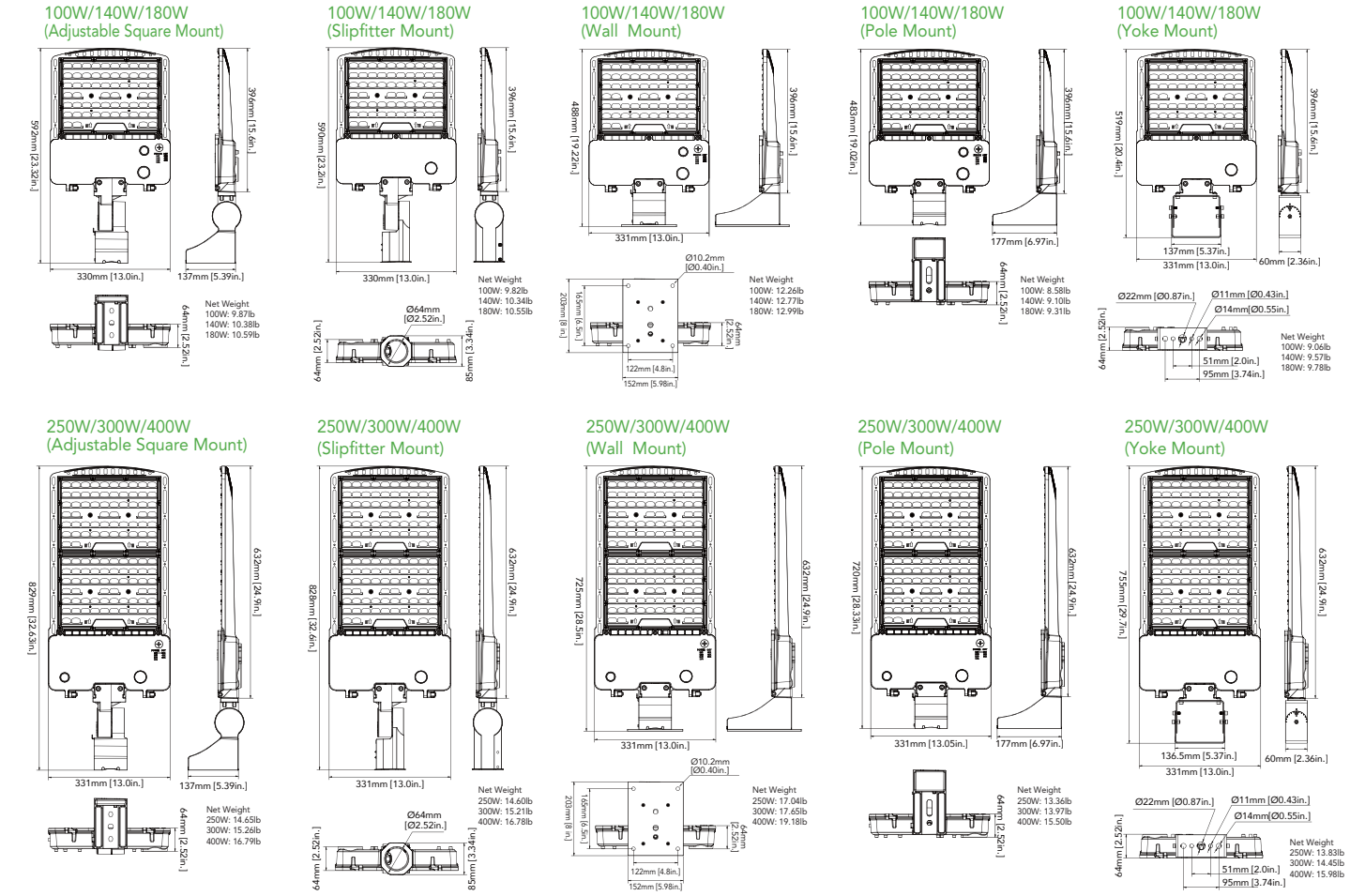
**Adjustable Arm Mount**  
Standard versatile mounting arm is simple to install and can be used with existing poles for retrofit installations.

## Mounting Dimensions

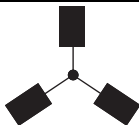


# DIMENSION

unit: inch/mm



EPA OF AREA LIGHT

| Item           |  |  |  |  |  |  |  |
|----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                | 1                                                                                 | 2 @90°                                                                            | 2 @120°                                                                           | 2@180°                                                                            | 3 @90°                                                                             | 3 @120°                                                                             | 4 @90°                                                                              |
| 100W/140W/180W | 0.3632                                                                            | 0.6849                                                                            | 0.8861                                                                            | 0.7264                                                                            | 1.0481                                                                             | 1.2078                                                                              | 1.0481                                                                              |
| 250W/300W/400W | 0.4758                                                                            | 0.8091                                                                            | 1.059                                                                             | 0.9516                                                                            | 1.2849                                                                             | 1.3923                                                                              | 1.2849                                                                              |

PHOTOMETRICS

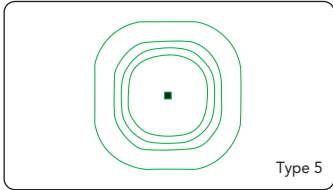
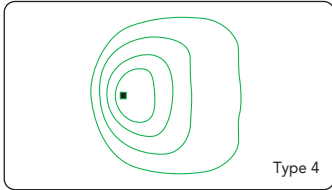
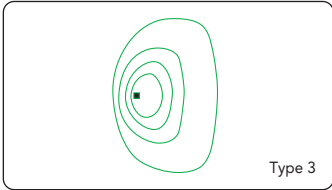
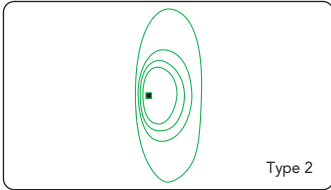
Mester offers a complete set of optical systems to meet every site lighting requirement. These systems provide remarkable flexibility in precisely matching light distribution patterns to specific site requirements.

Type 2 optics are ideal for applications where there is a need to space the luminaires farther apart along a road or pathway. The light distribution pattern is optimized for elongated areas, allowing for greater pole spacing without sacrificing lighting quality.

Type 3 optics produce an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire. In a back-to-back configuration, it creates a rectangular pattern which can extend pole spacings.

Type 4 is suitable for applications where light is primarily required forward with minimal backlight. Typical installations include perimeter poles.

Type 5 optics produce a symmetrical square distribution pattern that distributes light equally on all sides of the luminaire. Type 5 luminaires is universal for most area lighting applications

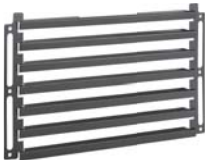


| ORDERING GUIDE                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | Example: MAL08 140W 27V XXK Y Y Y Y Y |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|
| Fixture Type                                                                     | Wattage                                                                           | Voltage                                                                           | CCT                                                                               | Finish                                                                            | Photocell (Option)                                                                | Sensor (Option)                                                                   | Mounting                                                                           | Photometry                                                                          | CCT and Power Adjustable                                                            | Internal Code                                                                       |                                       |
|  |  |  |  |  |  |  |  |  |  |  |                                       |
| MAL08<br>Area Light Series                                                       | 100 100W                                                                          | 27V 120-277V                                                                      | DDK¹<br>Adjustable color temperature                                              | D Dark Bronze                                                                     | P0 120-277V Photocell                                                             | M With Sensor                                                                     | SQ Square Pole Mount                                                               | T2 TYPE II                                                                          | AD¹<br>With adjustment dial<br><br>Blank<br>Without adjustment dial                 | Blank<br>Alphanumeric                                                               |                                       |
|                                                                                  | 140 140W                                                                          | 48V 347-480V                                                                      |                                                                                   | B Black                                                                           | P3 347V Photocell                                                                 | Blank Without Sensor                                                              | SP Slipfitter Mount                                                                | T3 TYPE III                                                                         |                                                                                     |                                                                                     |                                       |
|                                                                                  | 180 180W                                                                          |                                                                                   |                                                                                   | W White                                                                           | P4 480V Photocell                                                                 |                                                                                   | WM Wall Mount                                                                      | T4 TYPE IV                                                                          |                                                                                     |                                                                                     |                                       |
|                                                                                  | 250 250W                                                                          |                                                                                   |                                                                                   | SG Silver Gray                                                                    | Blank Without Photocell                                                           |                                                                                   | YK Yoke Mount                                                                      | T5 TYPE V                                                                           |                                                                                     |                                                                                     |                                       |
|                                                                                  | 300 300W                                                                          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | SQA Adjustable Square Mount                                                        |                                                                                     |                                                                                     |                                                                                     |                                       |
|                                                                                  | 400 400W                                                                          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                       |

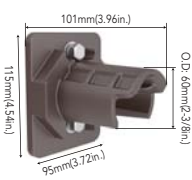
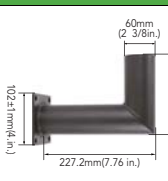
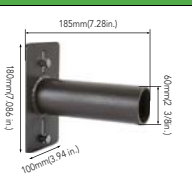
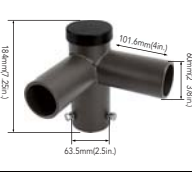
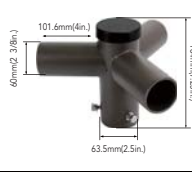
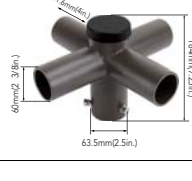
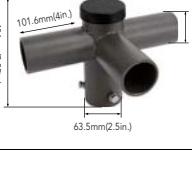
Note: Only 400W suit for 4000K, 5000K adjustable and other wattage suit for 3000K, 4000K and 5000K andjustable.

ACCESSORIES(Optional)

AL08 series features a backlight control which provides reduced pixilation and increased visual comfort without compromising performance. External Glare Shield: sold separately or as an accessory.

|                                                                                             |                                                                                                               |                                                                                          |                                                                                                             |
|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
|           |                            |      |                        |
| External Glare Shield                                                                       |                                                                                                               | External Glare Full Visor                                                                |                                                                                                             |
|          |                            |      |                        |
| Plug-and-Play PIR Sensor<br>PIR sensor: MSANT12VPH01<br>Bluetooth PIR sensor: MSANT12VPHB01 | Plug-and-Play Microwave Sensor<br>Microwave sensor: MSANT12VMH01<br>Bluetooth microwave sensor: MSANT12VMHB01 | 120-277V PIR Sensor<br>PIR sensor: BRI823-B-D<br>Bluetooth PIR sensor: BRI823-B-D-BLE-SR | NEMA Photocell<br>3 pin NEMA Type: MS-PSUNVB1<br>3 pin NEMA Type(480V): JL-207F<br>7 pin NEMA Type: JL-241C |
|          |                                                                                                               |                                                                                          |                                                                                                             |
| Back Light Control Shield                                                                   |                                                                                                               |                                                                                          |                                                                                                             |

ADDITIONAL MOUNTING ACCESSORIES

| POLE BRACKET • For mounting one fixture on an existing pole                         |                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p><b>4" Square Pole Mount with 2-3/8" O.D. Tenon</b><br/>No. 4SQ-SP-D<br/>Finish: Dark Bronze<br/>USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>                                                  |    | <p><b>4" Round Pole Mount with 2-3/8" O.D. Tenon</b><br/>No. 4SQR-SP-D<br/>Finish: Dark Bronze<br/>USE: For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p> |
|    | <p><b>5" Square Pole Mount with 2-3/8" O.D. Tenon</b><br/>No. 5SQ-SP-D<br/>Finish: Dark Bronze<br/>USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>                                                  |    | <p><b>5" Round Pole Mount with 2-3/8" O.D. Tenon</b><br/>No. 5SQR-SP-D<br/>Finish: Dark Bronze<br/>USE: For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p> |
|    | <p><b>Pole Bracket Accessories -Angle-Adjustment Adapter</b><br/>No. SQA-ALDA<br/>Finish: Dark Bronze<br/>USE: Durable brackets are engineered to provide versatile mounting options. These arms are made from rugged die-cast aluminum. They allow optimal positioning of the light fixture to maximize the lighting effectiveness vertically and horizontally.</p>                                                                   |    | <p><b>Pole Bracket accessories-Tenon &amp; Yoke Adaptor</b><br/>No. SP-TR-D<br/>Finish: Dark Bronze<br/>USE: The 2-3/8" OD Tenon Mount Adaptor for Yoke Fixtures is designed to mount MESTER light fixtures that are equipped with a yoke mount onto a 2-3/8" OD tenon. It may be utilized with the Mester Flood Light Series of light fixtures.</p>                                 |
|    | <p><b>Horizontal Wall or Square or Round pole mount with 2-3/8" Tenon Bracket</b><br/>No. SQ/R-SP-D<br/>Finish: Dark Bronze<br/>USE: This tenon bracket can be installed onto a wall, square pole, round pole. Provides wiring access and abuilt-in 2-3/8" O.D. tenon to mount a fixture with our adjustable slipfitter. Suggested 3/8" diameter bolts for mounting.</p>                                                               |    | <p><b>Adjustable Arm Mount Kit</b><br/>No.:SQADAL08-A<br/>Finish: Dark Bronze<br/>Description: Adjustable pole mount kit, suitable for 4" &amp; 5" square or round pole</p>                                                                                                                                                                                                          |
| WALL BRACKET • Attaches to any flat surface<br>• Provides wiring access             |                                                                                                                                                                                                                                                                                                                                                                                                                                        | Mid-Pole tenon Bracket                                                               |                                                                                                                                                                                                                                                                                                                                                                                      |
|  | <p><b>90° Wall Mount Bracket with 2-3/8" O.D. Tenon</b><br/>No. WM-SP-D<br/>Finish: Dark Bronze<br/>USE: The 90° wall mount bracket with 2-3/8" tenon attaches an MESTER floodlight to almost any surface: wall, roof, or wood pole. Provides wiring access and abuilt-in 2-3/8" O.D. tenon to mount a fixture with our adjustable slipfitter. Suggested 3/8" diameter bolts for mounting. Mounting holes are spaced 3-1/4" apart.</p> |  | <p><b>2-3/8" OD Horizontal Tenon Mid-Pole Bracket</b><br/>No. SQ-SP-D<br/>Finish: Dark Bronze<br/>USE: 2-3/8" OD Horizontal Tenon Mid-Pole Bracket is designed to mount light fixture that is equipped with a adjustable slipfitter onto a 2-3/8" OD horizontal tenon</p>                                                                                                            |
| Round External Mount Horizontal Tenon • To mount 2/3/4 fixtures on a existing pole  |                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                      |
|  | <p><b>Double 90° Horizontal Tenon Adaptor</b><br/>No. R60-SP2-90-D<br/>Finish: Dark Bronze<br/>USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p>                                                                                                                                                    |  | <p><b>Triple 120° Horizontal Tenon Adaptor</b><br/>No. R60-SP3-120-D<br/>Finish: Dark Bronze<br/>USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p>                                                                                              |
|  | <p><b>Double 180° Horizontal Tenon Adaptor</b><br/>No. R60-SP2-180-D<br/>Finish: Dark Bronze<br/>USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p>                                                                                                                                                  |  | <p><b>Quad 90° Horizontal Tenon Adaptor</b><br/>No. R60-SP4-90-D<br/>Finish: Dark Bronze<br/>USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Four fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p>                                                                                                   |
|  | <p><b>Triple 90° Horizontal Tenon Adaptor</b><br/>No. R60-SP3-90-D<br/>Finish: Dark Bronze<br/>USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p>                                                                                                                                                  |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                      |