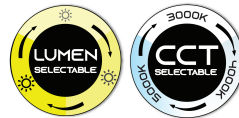


L70  
25°C

167,000 Hours

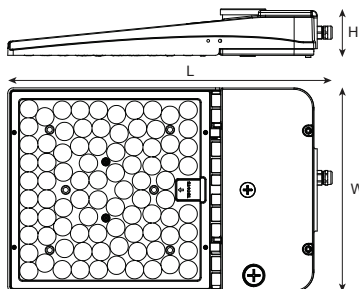


NOTES:

FIXTURE TYPE:

PROJECT:

## DIMENSIONS & MOUNTING METHODS



| Model #              | L (in) | W (in) | H (in) | Weight (lbs) |
|----------------------|--------|--------|--------|--------------|
| MPALDSR-242115L-3CCT | 18.52  | 12.22  | 2.8    | 10.48        |
| MPALDSR-403530L-3CCT | 21.26  | 13.68  | 2.83   | 12.69        |

\* Mounting hardware sold separately. One mounting option must be ordered.  
Pole tenons and tenon adapters available. See all mounting accessories on page 2.

## FEATURES

### Housing

- Dark bronze powder-coat, die cast aluminum housing.

### Electrical

- Operating temperature (ambient): -40°C to 50°C (-40°F to 122°F).
- Universal 120-277V or 277-480V AC voltage (50-60Hz) with 6-foot incoming power cord.
- 0-10VDC dimming drivers are standard.
- Input transient surge protection = 6kV.
- Watertight, compression-type electrical connectors.
- Power factor > 90.
- Total harmonic distortion < 20%.

## FEATURES

### Optical System

- Polycarbonate lens.
- Field selectable 3000K (warm/neutral white), 4000K (neutral white) and 5000K (cool white) color temperatures\*.
- MPALDSR-242115L-3CCT selectable output delivers from 15,381 to 26,687 nominal lumens, with 3 settings.\*
- MPALDSR-242115L-3CCT-UNC selectable output delivers from 16,433 to 28,178 nominal lumens, with 3 settings.\*
- MPALDSR-403530L-3CCT selectable output delivers from 28,342 to 42,653 nominal lumens, with 3 settings.\*
- MPALDSR-403530L-3CCT-UNC selectable output delivers from 29,137 to 43,337 nominal lumens, with 3 settings.\*
- Long-life LEDs provide 167,000 hours of operation with at least 70% of initial lumen output (L70), and 51,000 hours with at least 90% of initial lumen output (L90)\*\*.
- Distribution selectable with switch. Standard optic provides type III / type IV / type V distribution.
- Sensor-ready receptacle comes standard. Screw-in sensor and remote control sold separately.
- Available factory installed NEMA photocell receptacle for 3-pin NEMA devices.
- LED color maintenance < 0.00495 chromaticity shift ( $\Delta u'v'$ ) over the initial 6,000 hours of operation.
- Color rendering index > 80.

\* Default kelvin temperature 4000K, highest lumen output and Type III distribution.

\*\*L70 & L90 hours are IES TM-21-11 calculated hours.

### Mounting

- Optional Arm A Mounting kit (Arm and Slip-fitter combo).
- Optional Arm Mounting kit.
- Optional Slip-fitter Mounting kit.
- Optional Yoke Mounting kit.
- Optional Trunnion Mounting kit.

### Code Compliance

- cULus listed for wet locations.
- DLC premium listed for standard, DLC listed for UNC model.
- Complies with FCC part 15, class A.
- IP65 rated for ingress protection.
- IK08 rated for impact protection.
- This luminaire series is Dark Sky Ordinance Ready when manually set to 3000K CCT position and mounted at a 0-degree tilt. Final compliance with local dimming levels and light curfew mandates is the responsibility of the installer. Proper field configuration ensures alignment with state-level light pollution statutes.

### Warranty

- 5 year warranty on all electronics and housing.

## ORDERING INFORMATION

EXAMPLE: MPALDSR-242115L-3CCT-UNC



| Model   | Nominal Lumen Output (selectable)         | Kelvin (Selectable)          | Input Voltage    | Installed Receptacle            |
|---------|-------------------------------------------|------------------------------|------------------|---------------------------------|
| MPALDSR | 242115L = 24,000 / 21,000 / 15,000 Lumens | 3CCT = 3000K / 4000K / 5000K | Blank = 120-277V | PR* = NEMA Photocell Receptacle |
|         | 403530L = 40,000 / 35,000 / 30,000 Lumens |                              | UNC = 277-480V   |                                 |

\* Photocell sold separately

## ACCESSORIES (ORDER SEPARATELY)

## Sensor

|                                                      |   |                                                                                |
|------------------------------------------------------|---|--------------------------------------------------------------------------------|
| HD09VR-PH5-1                                         | = | Passive infrared sensor - maximum mounting height = 39 FT                      |
| HD09VR-MH5-1                                         | = | Microwave step-dimming sensor - maximum mounting height = 49 FT                |
| HD05R                                                | = | Remote control for HD09VR series Sensors (required to change factory settings) |
| <b>*HD09VR series has 5-dial setting capability.</b> |   |                                                                                |

Factory settings for Sensor : detection area =100%, hold time = 5 sec, stand-by period = 0 sec, stand-by dimming level = 10%, daylight threshold = disabled

## Photocell

|            |   |                                                                                   |
|------------|---|-----------------------------------------------------------------------------------|
| HD07VR-A-1 | = | 12VDC photocell; RCA jack, factory set to Turn on at 10 lux, Turns off at 100 lux |
|------------|---|-----------------------------------------------------------------------------------|

Note: Screws into Sensor RCA receptacle that comes standard on the fixture.

## NEMA Photocell

|                |   |                                                                                             |
|----------------|---|---------------------------------------------------------------------------------------------|
| JL-205C23-IP65 | = | 120-277V 3-PIN NEMA Photocell; Rated up to 1800W; Turns on at 6 lux, Turns off at 50 lux    |
| 26WA86         | = | 480V 3-PIN NEMA Photocell; Rated up to 1800W; Turns on at 10-20 lux, Turns off at 30-60 lux |

Note: Fixture must be ordered with optional NEMA 3-pin photocell receptacle (-PR).

## Glare Shield

|                         |   |                                                             |
|-------------------------|---|-------------------------------------------------------------|
| MPALDSR-GLARESHIELD-24L | = | Glare Shield for MPALDSR-242115L-3CCT Models, Steel, Bronze |
| MPALDSR-GLARESHIELD-40L | = | Glare Shield for MPALDSR-403530L-3CCT Models, Steel, Bronze |

## Mounting Option

|                   |   |                                                               |
|-------------------|---|---------------------------------------------------------------|
| MPALDSR-ARM-A     | = | Adjustable Arm Mount (round and square poles)                 |
| MPALDSR-ARM       | = | Arm Mount (2-3/8" pole or pole tenon, round and square poles) |
| MPALDSR-SF        | = | Slip Fitter (2-3/8" pole or pole tenon)                       |
| MPALDSR-YOKE-S    | = | Yoke for MPALDSR-242115L                                      |
| MPALDSR-YOKE-L    | = | Yoke for MPALDSR-403530L                                      |
| MPALDSR-TM        | = | Trunnion Mount                                                |
| LEDMPALPRO-D180BH | = | Double 180° Bullhorn Mounting Bracket                         |
| LEDMPALPRO-WMB    | = | Wall Mount Bracket                                            |
| LEDMPALPRO-WMB90  | = | 90° Wall Mount Bracket                                        |
| 4SQR-SP-D         | = | 4" Round Pole Tenon                                           |
| 5SQR-SP-D         | = | 5" Round Pole Tenon                                           |
| 4SQ-SP-D          | = | 4" Square Pole Tenon                                          |
| 5SQ-SP-D          | = | 5" Square Pole Tenon                                          |
| R60-SP2-90-D      | = | 90° Double Tenon Adapter                                      |
| R60-SP2-180-D     | = | 180° Double Tenon Adapter                                     |
| R60-SP3-90-D      | = | 90° Triple Tenon Adapter                                      |
| R60-SP3-120-D     | = | 120° Triple Tenon Adapter                                     |
| R60-SP4-90-D      | = | 90° Quadruple Tenon Adapter                                   |

\*Details and drawing of mounting hardware on page 12.

## COMPATIBLE DIMMERS AND CONTROLS

| Manufacturer  | Model Number | Dimmer Range | Load Switching Capacity |
|---------------|--------------|--------------|-------------------------|
| Mule Lighting | DWS-010V-T   | 10%-100%     | 600W                    |
| Mule Lighting | DWS-010V-D   | 10%-100%     | 600W                    |
| Leviton       | IP710-LFZ    | 10%-100%     | 1200W                   |
| Lutron        | DVSTV        | 10%-100%     | 450W                    |

## EFFECTIVE PROJECTED AREAS (EPA)

| Series               | ARM MOUNT   |            |            | ARM A MOUNT |            |            | SLIP FITTER MOUNT |            |            | TRUNNION MOUNT |            |            | YOKE MOUNT  |            |            |
|----------------------|-------------|------------|------------|-------------|------------|------------|-------------------|------------|------------|----------------|------------|------------|-------------|------------|------------|
|                      | Front (ft²) | Side (ft²) | Face (ft²) | Front (ft²) | Side (ft²) | Face (ft²) | Front (ft²)       | Side (ft²) | Face (ft²) | Front (ft²)    | Side (ft²) | Face (ft²) | Front (ft²) | Side (ft²) | Face (ft²) |
| MPALDSR-242115L-3CCT | 1.78        | 0.562      | 0.285      | 1.82        | 0.659      | 0.301      | 1.81              | 0.537      | 0.256      | 1.75           | 0.446      | 0.238      | 1.95        | 0.408      | 0.277      |
| MPALDSR-403530L-3CCT | 2.26        | 0.629      | 0.314      | 2.28        | 0.723      | 0.33       | 2.27              | 0.59       | 0.285      | 2.11           | 0.499      | 0.266      | 2.44        | 0.503      | 0.33       |

## LUMEN TABLES &amp; ELECTRICAL DATA

| Series                           | Measure-ments     | 24L    |        |        | 21L    |        |        | 15L    |        |        |
|----------------------------------|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                  |                   | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  |
| MPALDSR-242115L-3CCT (Set to T3) | Lumens            | 23,993 | 25,866 | 25,124 | 21,113 | 22,868 | 22,615 | 15,381 | 16,398 | 16,338 |
|                                  | Watts             | 190.42 | 182.31 | 189.5  | 161.95 | 156.27 | 162.26 | 109.96 | 107.16 | 109.92 |
|                                  | Efficacy          | 126.00 | 141.88 | 132.58 | 130.37 | 146.34 | 139.38 | 139.88 | 153.02 | 148.64 |
|                                  | Input Current (A) | 120V   | 0.92   | 0.89   | 0.92   | 1.35   | 1.30   | 1.35   | 1.59   | 1.52   |
|                                  |                   | 240V   | 0.46   | 0.45   | 0.46   | 0.67   | 0.65   | 0.68   | 0.79   | 0.76   |
|                                  |                   | 277V   | 0.40   | 0.39   | 0.40   | 0.58   | 0.56   | 0.59   | 0.69   | 0.66   |

| Series                           | Measure-ments     | 24L    |        |        | 21L    |        |        | 15L    |        |        |
|----------------------------------|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                  |                   | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  |
| MPALDSR-242115L-3CCT (Set to T4) | Lumens            | 25,016 | 26,686 | 26,378 | 22,052 | 23,466 | 23,264 | 15,976 | 16,767 | 16,793 |
|                                  | Watts             | 182.33 | 176.91 | 182.22 | 156.47 | 152.33 | 156.16 | 107.35 | 105.1  | 107.26 |
|                                  | Efficacy          | 137.20 | 150.85 | 144.76 | 140.93 | 154.05 | 148.98 | 148.82 | 159.53 | 156.56 |
|                                  | Input Current (A) | 120V   | 1.52   | 1.47   | 1.52   | 1.30   | 1.27   | 1.30   | 0.89   | 0.88   |
|                                  |                   | 240V   | 0.76   | 0.74   | 0.76   | 0.65   | 0.63   | 0.65   | 0.45   | 0.44   |
|                                  |                   | 277V   | 0.66   | 0.64   | 0.66   | 0.56   | 0.55   | 0.56   | 0.39   | 0.38   |

| Series                           | Measure-ments     | 24L    |        |        | 21L    |        |        | 15L    |        |        |
|----------------------------------|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                  |                   | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  |
| MPALDSR-242115L-3CCT (Set to T5) | Lumens            | 23,726 | 25,760 | 25,028 | 21,249 | 22,836 | 22,202 | 15,597 | 16,503 | 16,379 |
|                                  | Watts             | 189.35 | 181.92 | 189.3  | 162.08 | 156.31 | 161.84 | 110.32 | 107.19 | 109.95 |
|                                  | Efficacy          | 125.30 | 141.60 | 132.21 | 131.10 | 146.09 | 137.18 | 141.38 | 153.96 | 148.97 |
|                                  | Input Current (A) | 120V   | 1.58   | 1.52   | 1.58   | 1.35   | 1.30   | 1.35   | 0.92   | 0.89   |
|                                  |                   | 240V   | 0.79   | 0.76   | 0.79   | 0.68   | 0.65   | 0.67   | 0.46   | 0.45   |
|                                  |                   | 277V   | 0.68   | 0.66   | 0.68   | 0.59   | 0.56   | 0.58   | 0.40   | 0.39   |

| Series                           | Measurements      | 40L    |        |        | 35L    |        |        | 30L    |        |        |
|----------------------------------|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                  |                   | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  |
| MPALDSR-403530L-3CCT (Set to T3) | Lumens            | 37,668 | 40,931 | 39,524 | 33,217 | 35,499 | 34,522 | 28,358 | 30,523 | 30,063 |
|                                  | Watts             | 306.36 | 293.29 | 305.15 | 252.55 | 242.79 | 251.34 | 208.54 | 202.04 | 208.46 |
|                                  | Efficacy          | 122.95 | 139.56 | 129.52 | 131.53 | 146.21 | 137.35 | 135.98 | 151.07 | 144.21 |
|                                  | Input Current (A) | 120V   | 2.55   | 2.44   | 2.54   | 2.10   | 2.02   | 2.09   | 1.74   | 1.68   |
|                                  |                   | 240V   | 1.28   | 1.22   | 1.27   | 1.05   | 1.01   | 1.05   | 0.87   | 0.84   |
|                                  |                   | 277V   | 1.11   | 1.06   | 1.10   | 0.91   | 0.88   | 0.91   | 0.75   | 0.73   |

| Series                           | Measurements      | 40L    |        |        | 35L    |        |        | 30L    |        |        |
|----------------------------------|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                  |                   | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  |
| MPALDSR-403530L-3CCT (Set to T4) | Lumens            | 39,855 | 42,651 | 41,598 | 34,596 | 36,832 | 36,243 | 29,808 | 31,479 | 31,197 |
|                                  | Watts             | 294.12 | 284.53 | 293.19 | 243.2  | 236.45 | 242.7  | 202.7  | 197.61 | 202.17 |
|                                  | Efficacy          | 135.51 | 149.90 | 141.88 | 142.25 | 155.77 | 149.33 | 147.05 | 159.30 | 154.31 |
|                                  | Input Current (A) | 120V   | 2.45   | 2.37   | 2.44   | 2.03   | 1.97   | 2.02   | 1.69   | 1.65   |
|                                  |                   | 240V   | 1.23   | 1.19   | 1.22   | 1.01   | 0.99   | 1.01   | 0.84   | 0.82   |
|                                  |                   | 277V   | 1.06   | 1.03   | 1.06   | 0.88   | 0.85   | 0.88   | 0.73   | 0.71   |

| Series                           | Measurements      | 40L    |        |        | 35L    |        |        | 30L    |        |        |
|----------------------------------|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                  |                   | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  |
| MPALDSR-403530L-3CCT (Set to T5) | Lumens            | 37,520 | 40,893 | 39,484 | 32,892 | 35,509 | 34,603 | 28,557 | 30,596 | 30,044 |
|                                  | Watts             | 305.66 | 293.1  | 304.86 | 251.59 | 242.53 | 250.85 | 208.91 | 202.23 | 208.44 |
|                                  | Efficacy          | 122.75 | 139.52 | 129.52 | 130.74 | 146.41 | 137.94 | 136.70 | 151.29 | 144.14 |
|                                  | Input Current (A) | 120V   | 2.55   | 2.44   | 2.54   | 2.10   | 2.02   | 2.09   | 1.74   | 1.69   |
|                                  |                   | 240V   | 1.27   | 1.22   | 1.27   | 1.05   | 1.01   | 1.05   | 0.87   | 0.84   |
|                                  |                   | 277V   | 1.10   | 1.06   | 1.10   | 0.91   | 0.88   | 0.91   | 0.75   | 0.73   |

| Series                               | Measure-ments     |      | 24L    |        |        | 21L    |        |        | 15L    |        |        |
|--------------------------------------|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                      |                   |      | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  |
| MPALDSR-242115L-3CCT-UNC (Set to T3) | Lumens            |      | 25,053 | 27,064 | 26,168 | 22,492 | 24,101 | 23,539 | 16,433 | 17,466 | 17,280 |
|                                      | Watts             |      | 188.3  | 182.4  | 188.9  | 163.1  | 158.1  | 163.6  | 112.2  | 110.1  | 112.8  |
|                                      | Efficacy          |      | 133.1  | 148.4  | 138.6  | 137.9  | 152.5  | 143.9  | 146.4  | 158.7  | 153.2  |
|                                      | Input Current (A) | 277V | 0.68   | 0.66   | 0.68   | 0.59   | 0.57   | 0.59   | 0.41   | 0.40   | 0.41   |
|                                      |                   | 347V | 0.54   | 0.53   | 0.54   | 0.47   | 0.46   | 0.47   | 0.32   | 0.32   | 0.33   |
|                                      |                   | 480V | 0.39   | 0.38   | 0.39   | 0.34   | 0.33   | 0.34   | 0.23   | 0.23   | 0.24   |

| Series                               | Measure-ments     |      | 24L    |        |        | 21L    |        |        | 15L    |        |        |
|--------------------------------------|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                      |                   |      | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  |
| MPALDSR-242115L-3CCT-UNC (Set to T4) | Lumens            |      | 26,565 | 28,178 | 27,628 | 23,492 | 24,875 | 24,599 | 17,157 | 17,925 | 17,862 |
|                                      | Watts             |      | 182.1  | 177.8  | 182.8  | 157.8  | 154.3  | 158.4  | 109.7  | 107.9  | 110.1  |
|                                      | Efficacy          |      | 145.9  | 158.5  | 151.2  | 148.9  | 161.2  | 155.3  | 156.5  | 166.2  | 162.2  |
|                                      | Input Current (A) | 277V | 0.66   | 0.64   | 0.66   | 0.57   | 0.56   | 0.57   | 0.40   | 0.39   | 0.40   |
|                                      |                   | 347V | 0.52   | 0.51   | 0.53   | 0.45   | 0.44   | 0.46   | 0.32   | 0.31   | 0.32   |
|                                      |                   | 480V | 0.38   | 0.37   | 0.38   | 0.33   | 0.32   | 0.33   | 0.23   | 0.23   | 0.24   |

| Series                               | Measure-ments     |      | 24L    |        |        | 21L    |        |        | 15L    |        |        |
|--------------------------------------|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                      |                   |      | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  |
| MPALDSR-242115L-3CCT-UNC (Set to T5) | Lumens            |      | 25,081 | 27,141 | 26,224 | 22,517 | 24,092 | 23,412 | 16,623 | 17,569 | 17,354 |
|                                      | Watts             |      | 188.1  | 182.3  | 188.8  | 163.1  | 158.1  | 163.2  | 112.1  | 109.8  | 112.9  |
|                                      | Efficacy          |      | 133.3  | 148.9  | 138.9  | 138.1  | 152.4  | 143.5  | 148.3  | 160.0  | 153.7  |
|                                      | Input Current (A) | 277V | 0.68   | 0.66   | 0.68   | 0.59   | 0.57   | 0.59   | 0.40   | 0.40   | 0.41   |
|                                      |                   | 347V | 0.54   | 0.53   | 0.54   | 0.47   | 0.46   | 0.47   | 0.32   | 0.32   | 0.33   |
|                                      |                   | 480V | 0.39   | 0.38   | 0.39   | 0.34   | 0.33   | 0.34   | 0.23   | 0.23   | 0.24   |

| Series                               | Measure-ments     |      | 40L    |        |        | 35L    |        |        | 30L    |        |        |
|--------------------------------------|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                      |                   |      | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  |
| MPALDSR-403530L-3CCT-UNC (Set to T3) | Lumens            |      | 38,518 | 41,736 | 40,535 | 33,479 | 36,120 | 35,453 | 29,501 | 31,305 | 30,895 |
|                                      | Watts             |      | 299.5  | 288.7  | 301.0  | 248.3  | 240.6  | 248.9  | 206.9  | 200.8  | 208.1  |
|                                      | Efficacy          |      | 128.6  | 144.6  | 134.7  | 134.9  | 150.1  | 142.4  | 142.6  | 155.9  | 148.4  |
|                                      | Input Current (A) | 120V | 1.08   | 1.04   | 1.09   | 0.90   | 0.87   | 0.90   | 0.75   | 0.72   | 0.75   |
|                                      |                   | 240V | 0.86   | 0.83   | 0.87   | 0.72   | 0.69   | 0.72   | 0.60   | 0.58   | 0.60   |
|                                      |                   | 277V | 0.62   | 0.60   | 0.63   | 0.52   | 0.50   | 0.52   | 0.43   | 0.42   | 0.43   |

| Series                               | Measure-ments     |      | 40L    |        |        | 35L    |        |        | 30L    |        |        |
|--------------------------------------|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                      |                   |      | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  |
| MPALDSR-403530L-3CCT-UNC (Set to T4) | Lumens            |      | 40,515 | 43,337 | 42,688 | 34,874 | 37,161 | 37,018 | 30,268 | 32,016 | 31,966 |
|                                      | Watts             |      | 288.2  | 280.5  | 289.4  | 239.6  | 234.0  | 240.7  | 200.8  | 196.7  | 201.4  |
|                                      | Efficacy          |      | 140.6  | 154.5  | 147.5  | 145.6  | 158.8  | 153.8  | 150.8  | 162.7  | 158.7  |
|                                      | Input Current (A) | 120V | 1.04   | 1.01   | 1.04   | 0.86   | 0.84   | 0.87   | 0.72   | 0.71   | 0.73   |
|                                      |                   | 240V | 0.83   | 0.81   | 0.83   | 0.69   | 0.67   | 0.69   | 0.58   | 0.57   | 0.58   |
|                                      |                   | 277V | 0.60   | 0.58   | 0.60   | 0.50   | 0.49   | 0.50   | 0.42   | 0.41   | 0.42   |

| Series                               | Measure-ments     |      | 40L    |        |        | 35L    |        |        | 30L    |        |        |
|--------------------------------------|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                      |                   |      | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  |
| MPALDSR-403530L-3CCT-UNC (Set to T5) | Lumens            |      | 38,313 | 41,646 | 40,497 | 33,418 | 35,988 | 35,082 | 29,137 | 31,155 | 30,803 |
|                                      | Watts             |      | 299.4  | 288.7  | 301.0  | 247.8  | 240.2  | 248.8  | 207.1  | 201.0  | 208.1  |
|                                      | Efficacy          |      | 127.9  | 144.3  | 134.5  | 134.9  | 149.8  | 141.0  | 140.7  | 155.0  | 148.1  |
|                                      | Input Current (A) | 120V | 1.08   | 1.04   | 1.09   | 0.89   | 0.87   | 0.90   | 0.75   | 0.73   | 0.75   |
|                                      |                   | 240V | 0.86   | 0.83   | 0.87   | 0.71   | 0.69   | 0.72   | 0.60   | 0.58   | 0.60   |
|                                      |                   | 277V | 0.62   | 0.60   | 0.63   | 0.52   | 0.50   | 0.52   | 0.43   | 0.42   | 0.43   |

### PHOTOMETRICS

#### MPALDSR-242115L-3CCT ( Set to T3)

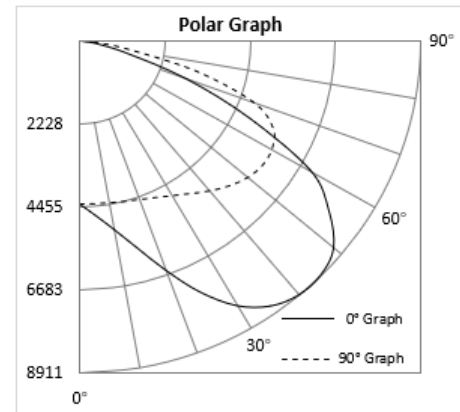
##### Luminaire Data

|                             |                                            |
|-----------------------------|--------------------------------------------|
| Description                 | CCT, Lumen, and Dist Selectable Area Light |
| Total Lumens                | 25,681                                     |
| Input Wattage               | 182                                        |
| Efficacy (lm/W)             | 141                                        |
| Max. Cd.                    | 8929.5 (360H, 42V)                         |
| IES Classification          | Type III                                   |
| Longitudinal Classification | Very Short                                 |

Photometrics calculated at 4000k CCT and highest power setting.

##### Luminaire Classification Systems (LCS)

| LCS Zone     | Lumens        | %Lum          |
|--------------|---------------|---------------|
| FL 0-30      | 2,432         | 9.5%          |
| FM 30-60     | 8,499         | 33.1%         |
| FH 60-80     | 3,938         | 15.3%         |
| FVH 80-90    | 162           | 0.6%          |
| BL 0-30      | 1,646         | 6.4%          |
| BM 30-60     | 4,440         | 17.3%         |
| BH 60-80     | 4,049         | 15.8%         |
| BVH 80-90    | 515           | 2.0%          |
| UL 90-100    | 0             | 0.0%          |
| UH 100-180   | 0             | 0.0%          |
| <b>Total</b> | <b>25,681</b> | <b>100.0%</b> |
| BUG Rating   | B4-U0-G4      |               |



#### MPALDSR-242115L-3CCT ( Set to T4)

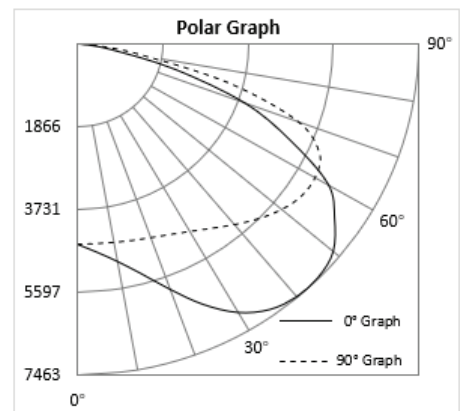
##### Luminaire Data

|                             |                                            |
|-----------------------------|--------------------------------------------|
| Description                 | CCT, Lumen, and Dist Selectable Area Light |
| Total Lumens                | 26,679                                     |
| Input Wattage               | 176                                        |
| Efficacy (lm/W)             | 151                                        |
| Max. Cd.                    | 7473.9 (360H, 42V)                         |
| IES Classification          | Type IV                                    |
| Longitudinal Classification | Very Short                                 |

Photometrics calculated at 4000k CCT and highest power setting.

##### Luminaire Classification Systems (LCS)

| LCS Zone     | Lumens        | %Lum          |
|--------------|---------------|---------------|
| FL 0-30      | 2,291         | 8.6%          |
| FM 30-60     | 7,642         | 28.6%         |
| FH 60-80     | 4,287         | 16.1%         |
| FVH 80-90    | 208           | 0.8%          |
| BL 0-30      | 1,827         | 6.8%          |
| BM 30-60     | 5,474         | 20.5%         |
| BH 60-80     | 4,498         | 16.9%         |
| BVH 80-90    | 452           | 1.7%          |
| UL 90-100    | 0             | 0.0%          |
| UH 100-180   | 0             | 0.0%          |
| <b>Total</b> | <b>26,679</b> | <b>100.0%</b> |
| BUG Rating   | B4-U0-G4      |               |



#### MPALDSR-242115L-3CCT ( Set to T5)

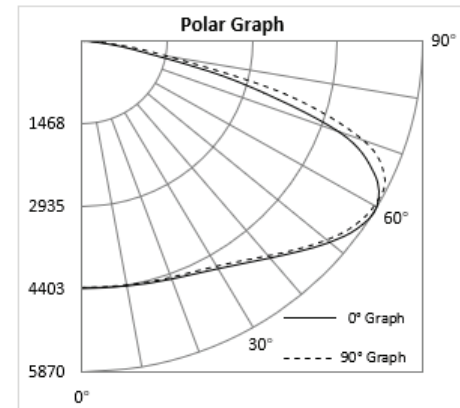
##### Luminaire Data

|                             |                                            |
|-----------------------------|--------------------------------------------|
| Description                 | CCT, Lumen, and Dist Selectable Area Light |
| Total Lumens                | 25,872                                     |
| Input Wattage               | 182                                        |
| Efficacy (lm/W)             | 142                                        |
| Max. Cd.                    | 6052.4 (45H, 62V)                          |
| IES Classification          | Type VS                                    |
| Longitudinal Classification | Short                                      |

Photometrics calculated at 4000k CCT and highest power setting.

##### Luminaire Classification Systems (LCS)

| LCS Zone     | Lumens        | %Lum          |
|--------------|---------------|---------------|
| FL 0-30      | 1,902         | 7.4%          |
| FM 30-60     | 6,142         | 23.7%         |
| FH 60-80     | 4,524         | 17.5%         |
| FVH 80-90    | 238           | 0.9%          |
| BL 0-30      | 1,879         | 7.3%          |
| BM 30-60     | 6,006         | 23.2%         |
| BH 60-80     | 4,843         | 18.7%         |
| BVH 80-90    | 338           | 1.3%          |
| UL 90-100    | 0             | 0.0%          |
| UH 100-180   | 0             | 0.0%          |
| <b>Total</b> | <b>25,872</b> | <b>100.0%</b> |
| BUG Rating   | B4-U0-G3      |               |



### MPALDSR-403530L-3CCT ( Set to T3)

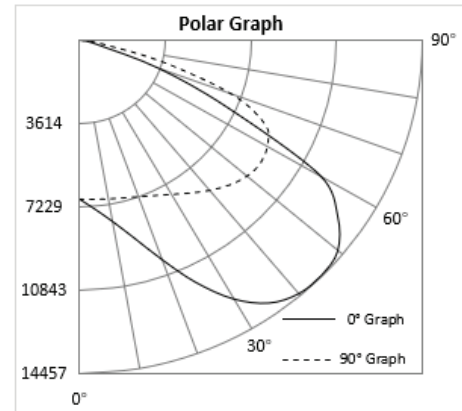
#### Luminaire Data

|                             |                                            |
|-----------------------------|--------------------------------------------|
| Description                 | CCT, Lumen, and Dist Selectable Area Light |
| Total Lumens                | 40,722                                     |
| Input Wattage               | 290                                        |
| Efficacy (lm/W)             | 140                                        |
| Max. Cd.                    | 14465 (360H, 44V)                          |
| IES Classification          | Type III                                   |
| Longitudinal Classification | Very Short                                 |

Photometrics calculated at 4000k CCT and highest power setting.

#### Luminaire Classification Systems (LCS)

| LCS Zone     | Lumens        | %Lum          |
|--------------|---------------|---------------|
| FL           | 0-30          | 3,792 9.3%    |
| FM           | 30-60         | 13,708 33.7%  |
| FH           | 60-80         | 6,459 15.9%   |
| FVH          | 80-90         | 247 0.6%      |
| BL           | 0-30          | 2,598 6.4%    |
| BM           | 30-60         | 6,973 17.1%   |
| BH           | 60-80         | 6,272 15.4%   |
| BVH          | 80-90         | 672 1.7%      |
| UL           | 90-100        | 0 0.0%        |
| UH           | 100-180       | 0 0.0%        |
| <b>Total</b> | <b>40,722</b> | <b>100.0%</b> |
| BUG Rating   | B5-U0-G5      |               |



### MPALDSR-403530L-3CCT ( Set to T4)

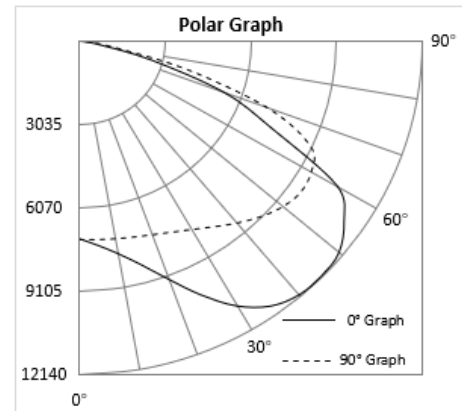
#### Luminaire Data

|                             |                                            |
|-----------------------------|--------------------------------------------|
| Description                 | CCT, Lumen, and Dist Selectable Area Light |
| Total Lumens                | 42,479                                     |
| Input Wattage               | 282                                        |
| Efficacy (lm/W)             | 151                                        |
| Max. Cd.                    | 12150 (360H, 43V)                          |
| IES Classification          | Type IV                                    |
| Longitudinal Classification | Very Short                                 |

Photometrics calculated at 4000k CCT and highest power setting.

#### Luminaire Classification Systems (LCS)

| LCS Zone     | Lumens        | %Lum          |
|--------------|---------------|---------------|
| FL           | 0-30          | 3,613 8.5%    |
| FM           | 30-60         | 12,336 29.0%  |
| FH           | 60-80         | 7,002 16.5%   |
| FVH          | 80-90         | 315 0.7%      |
| BL           | 0-30          | 2,909 6.8%    |
| BM           | 30-60         | 8,725 20.5%   |
| BH           | 60-80         | 6,987 16.4%   |
| BVH          | 80-90         | 591 1.4%      |
| UL           | 90-100        | 0 0.0%        |
| UH           | 100-180       | 0 0.0%        |
| <b>Total</b> | <b>42,479</b> | <b>100.0%</b> |
| BUG Rating   | B5-U0-G5      |               |



### MPALDSR-403530L-3CCT ( Set to T5)

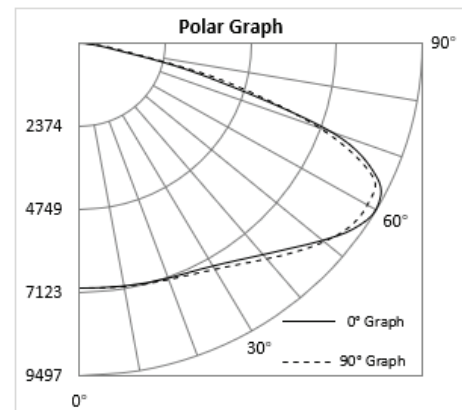
#### Luminaire Data

|                             |                                            |
|-----------------------------|--------------------------------------------|
| Description                 | CCT, Lumen, and Dist Selectable Area Light |
| Total Lumens                | 41,022                                     |
| Input Wattage               | 290                                        |
| Efficacy (lm/W)             | 142                                        |
| Max. Cd.                    | 9674.1 (22.5H, 61V)                        |
| IES Classification          | Type VS                                    |
| Longitudinal Classification | Very Short                                 |

Photometrics calculated at 4000k CCT and highest power setting.

#### Luminaire Classification Systems (LCS)

| LCS Zone     | Lumens        | %Lum          |
|--------------|---------------|---------------|
| FL           | 0-30          | 3,027 7.4%    |
| FM           | 30-60         | 9,746 23.8%   |
| FH           | 60-80         | 7,354 17.9%   |
| FVH          | 80-90         | 380 0.9%      |
| BL           | 0-30          | 3,008 7.3%    |
| BM           | 30-60         | 9,607 23.4%   |
| BH           | 60-80         | 7,498 18.3%   |
| BVH          | 80-90         | 421 1.0%      |
| UL           | 90-100        | 0 0.0%        |
| UH           | 100-180       | 0 0.0%        |
| <b>Total</b> | <b>41,022</b> | <b>100.0%</b> |
| BUG Rating   | B5-U0-G3      |               |



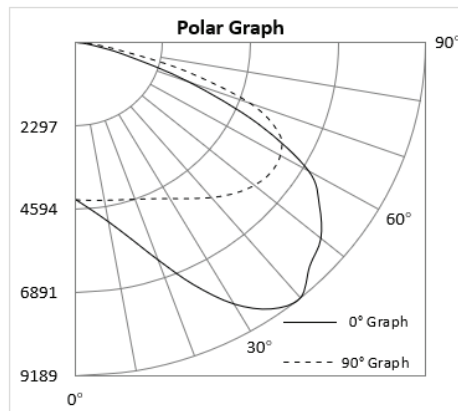
**MPALDSR-242115L-3CCT-UNC ( Set to T3)**
**Luminaire Data**

|                             |                                            |
|-----------------------------|--------------------------------------------|
| Description                 | CCT, Lumen, and Dist Selectable Area Light |
| Total Lumens                | 26,059                                     |
| Input Wattage               | 182                                        |
| Efficacy (lm/W)             | 143                                        |
| Max. Cd.                    | 9197.3 (360H, 39V)                         |
| IES Classification          | Type III                                   |
| Longitudinal Classification | Very Short                                 |

Photometrics calculated at 4000k CCT  
and highest power setting.

**Luminaire Classification Systems (LCS)**

| LCS Zone     | Lumens        | %Lum          |
|--------------|---------------|---------------|
| FL 0-30      | 2,395         | 9.2%          |
| FM 30-60     | 8,598         | 33.0%         |
| FH 60-80     | 4,061         | 15.6%         |
| FVH 80-90    | 150           | 0.6%          |
| BL 0-30      | 1,638         | 6.3%          |
| BM 30-60     | 4,559         | 17.5%         |
| BH 60-80     | 4,247         | 16.3%         |
| BVH 80-90    | 412           | 1.6%          |
| UL 90-100    | 0             | 0.0%          |
| UH 100-180   | 0             | 0.0%          |
| <b>Total</b> | <b>26,059</b> | <b>100.0%</b> |
| BUG Rating   | B4-U0-G4      |               |

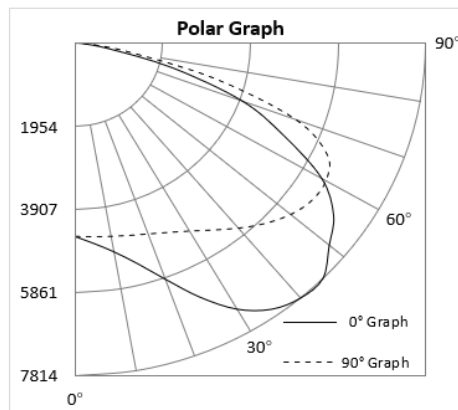

**MPALDSR-242115L-3CCT-UNC ( Set to T4)**
**Luminaire Data**

|                             |                                            |
|-----------------------------|--------------------------------------------|
| Description                 | CCT, Lumen, and Dist Selectable Area Light |
| Total Lumens                | 27,425                                     |
| Input Wattage               | 178                                        |
| Efficacy (lm/W)             | 154                                        |
| Max. Cd.                    | 7837.5 (360H, 43V)                         |
| IES Classification          | Type IV                                    |
| Longitudinal Classification | Very Short                                 |

Photometrics calculated at 4000k CCT  
and highest power setting.

**Luminaire Classification Systems (LCS)**

| LCS Zone     | Lumens        | %Lum          |
|--------------|---------------|---------------|
| FL 0-30      | 2,302         | 8.4%          |
| FM 30-60     | 7,909         | 28.8%         |
| FH 60-80     | 4,373         | 15.9%         |
| FVH 80-90    | 199           | 0.7%          |
| BL 0-30      | 1,843         | 6.7%          |
| BM 30-60     | 5,703         | 20.8%         |
| BH 60-80     | 4,708         | 17.2%         |
| BVH 80-90    | 387           | 1.4%          |
| UL 90-100    | 0             | 0.0%          |
| UH 100-180   | 0             | 0.0%          |
| <b>Total</b> | <b>27,425</b> | <b>100.0%</b> |
| BUG Rating   | B4-U0-G4      |               |

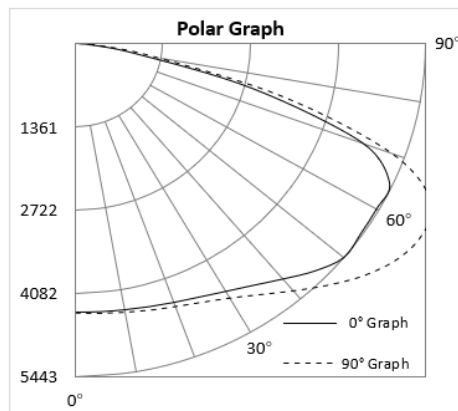

**MPALDSR-242115L-3CCT-UNC ( Set to T5)**
**Luminaire Data**

|                             |                                            |
|-----------------------------|--------------------------------------------|
| Description                 | CCT, Lumen, and Dist Selectable Area Light |
| Total Lumens                | 26,174                                     |
| Input Wattage               | 182                                        |
| Efficacy (lm/W)             | 144                                        |
| Max. Cd.                    | 6486.4 (135H, 63V)                         |
| IES Classification          | Type VS                                    |
| Longitudinal Classification | Short                                      |

Photometrics calculated at 4000k CCT  
and highest power setting.

**Luminaire Classification Systems (LCS)**

| LCS Zone     | Lumens        | %Lum          |
|--------------|---------------|---------------|
| FL 0-30      | 1,906         | 7.3%          |
| FM 30-60     | 6,163         | 23.5%         |
| FH 60-80     | 4,521         | 17.3%         |
| FVH 80-90    | 230           | 0.9%          |
| BL 0-30      | 1,892         | 7.2%          |
| BM 30-60     | 6,261         | 23.9%         |
| BH 60-80     | 4,942         | 18.9%         |
| BVH 80-90    | 260           | 1.0%          |
| UL 90-100    | 0             | 0.0%          |
| UH 100-180   | 0             | 0.0%          |
| <b>Total</b> | <b>26,174</b> | <b>100.0%</b> |
| BUG Rating   | B4-U0-G3      |               |



### MPALDSR-403530L-3CCT-UNC (Set to T3)

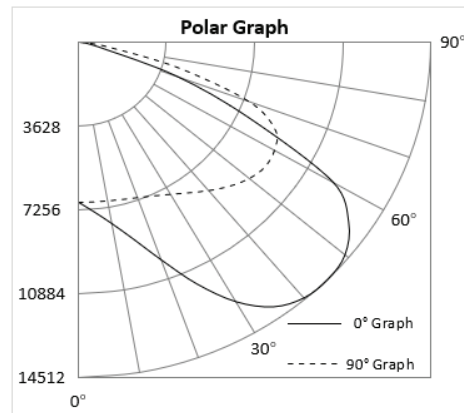
#### Luminaire Data

|                             |                                            |
|-----------------------------|--------------------------------------------|
| Description                 | CCT, Lumen, and Dist Selectable Area Light |
| Total Lumens                | 42,077                                     |
| Input Wattage               | 289                                        |
| Efficacy (lm/W)             | 146                                        |
| Max. Cd.                    | 14524 (360H, 43V)                          |
| IES Classification          | Type III                                   |
| Longitudinal Classification | Very Short                                 |

Photometrics calculated at 4000k CCT and highest power setting.

#### Luminaire Classification Systems (LCS)

| LCS Zone     | Lumens        | %Lum          |
|--------------|---------------|---------------|
| FL 0-30      | 3,792         | 9.0%          |
| FM 30-60     | 13,870        | 33.0%         |
| FH 60-80     | 6,846         | 16.3%         |
| FVH 80-90    | 254           | 0.6%          |
| BL 0-30      | 2,629         | 6.2%          |
| BM 30-60     | 7,215         | 17.1%         |
| BH 60-80     | 6,754         | 16.1%         |
| BVH 80-90    | 717           | 1.7%          |
| UL 90-100    | 0             | 0.0%          |
| UH 100-180   | 0             | 0.0%          |
| <b>Total</b> | <b>42,077</b> | <b>100.0%</b> |
| BUG Rating   | B5-U0-G5      |               |



### MPALDSR-403530L-3CCT-UNC (Set to T4)

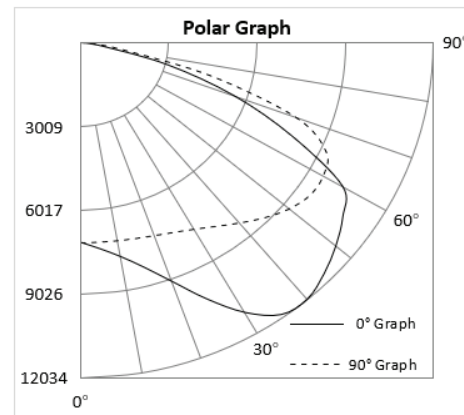
#### Luminaire Data

|                             |                                            |
|-----------------------------|--------------------------------------------|
| Description                 | CCT, Lumen, and Dist Selectable Area Light |
| Total Lumens                | 42,693                                     |
| Input Wattage               | 281                                        |
| Efficacy (lm/W)             | 152                                        |
| Max. Cd.                    | 12113 (360H, 38V)                          |
| IES Classification          | Type IV                                    |
| Longitudinal Classification | Very Short                                 |

Photometrics calculated at 4000k CCT and highest power setting.

#### Luminaire Classification Systems (LCS)

| LCS Zone     | Lumens        | %Lum          |
|--------------|---------------|---------------|
| FL 0-30      | 3,592         | 8.4%          |
| FM 30-60     | 12,221        | 28.6%         |
| FH 60-80     | 7,073         | 16.6%         |
| FVH 80-90    | 331           | 0.8%          |
| BL 0-30      | 2,920         | 6.8%          |
| BM 30-60     | 8,937         | 20.9%         |
| BH 60-80     | 7,098         | 16.6%         |
| BVH 80-90    | 521           | 1.2%          |
| UL 90-100    | 0             | 0.0%          |
| UH 100-180   | 0             | 0.0%          |
| <b>Total</b> | <b>42,693</b> | <b>100.0%</b> |
| BUG Rating   | B5-U0-G5      |               |



### MPALDSR-403530L-3CCT-UNC (Set to T5)

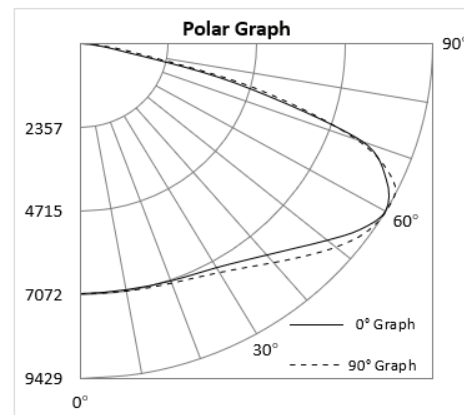
#### Luminaire Data

|                             |                                            |
|-----------------------------|--------------------------------------------|
| Description                 | CCT, Lumen, and Dist Selectable Area Light |
| Total Lumens                | 42,203                                     |
| Input Wattage               | 289                                        |
| Efficacy (lm/W)             | 146                                        |
| Max. Cd.                    | 10248 (202.5H, 64V)                        |
| IES Classification          | Type VS                                    |
| Longitudinal Classification | Very Short                                 |

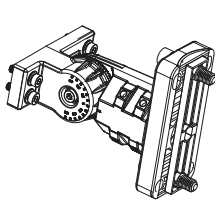
Photometrics calculated at 4000k CCT and highest power setting.

#### Luminaire Classification Systems (LCS)

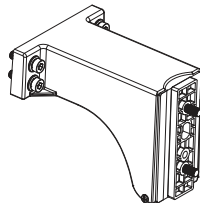
| LCS Zone     | Lumens        | %Lum          |
|--------------|---------------|---------------|
| FL 0-30      | 3,015         | 7.1%          |
| FM 30-60     | 9,712         | 23.0%         |
| FH 60-80     | 7,622         | 18.1%         |
| FVH 80-90    | 385           | 0.9%          |
| BL 0-30      | 3,039         | 7.2%          |
| BM 30-60     | 9,983         | 23.7%         |
| BH 60-80     | 8,021         | 19.0%         |
| BVH 80-90    | 426           | 1.0%          |
| UL 90-100    | 0             | 0.0%          |
| UH 100-180   | 0             | 0.0%          |
| <b>Total</b> | <b>42,203</b> | <b>100.0%</b> |
| BUG Rating   | B5-U0-G4      |               |



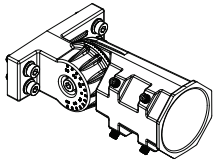
## MOUNTING ACCESSORIES (ORDER SEPARATELY)



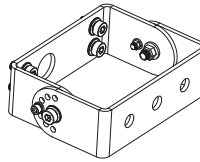
Arm-A



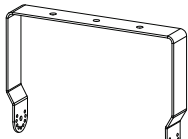
Arm



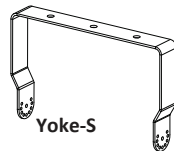
Slip Fitter



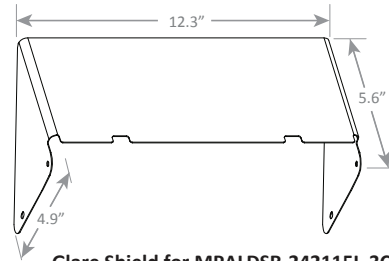
Trunnion



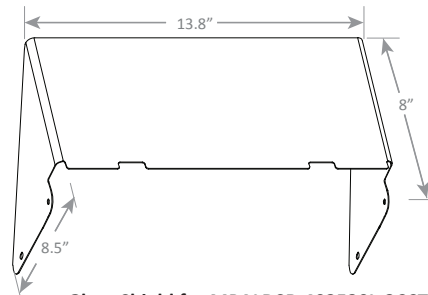
Yoke-L



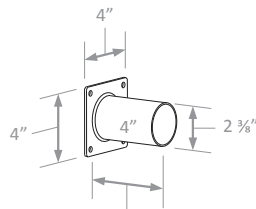
Yoke-S



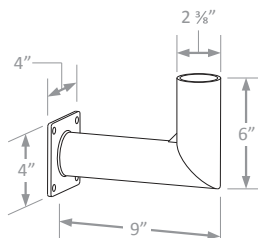
Glare Shield for MPALDSR-242115L-3CCT  
MPALDSR-242115L-3CCT-GS



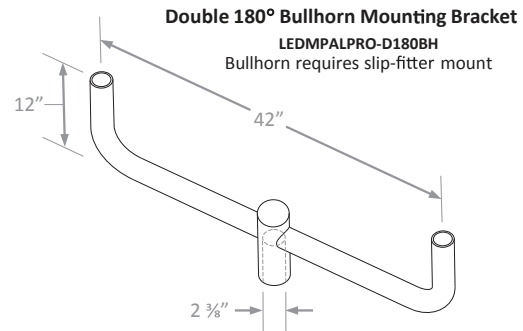
Glare Shield for MPALDSR-403530L-3CCT  
MPALDSR-403530L-3CCT-GS



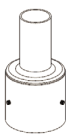
Wall Mount Bracket  
LEDMPALPRO-WMB



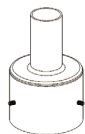
Wall Mount Bracket, 90°  
LEDMPALPRO-WMB90



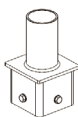
Double 180° Bullhorn Mounting Bracket  
LEDMPALPRO-D180BH  
Bullhorn requires slip-fitter mount



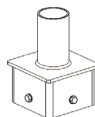
4SQR-SP-D



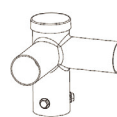
5SQR-SP-D



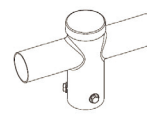
4SQ-SP-D



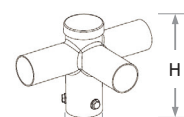
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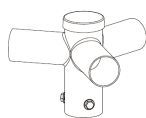
R60-SP2-90-D



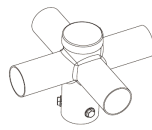
R60-SP2-180-D



R60-SP3-90-D



R60-SP3-120-D



R60-SP4-90-D

| Part Number   | Description                 | L    | W       | H    |
|---------------|-----------------------------|------|---------|------|
| 4SQR-SP-D     | 4" round pole tenon         | -    | 4.2"    | 8.6" |
| 5SQR-SP-D     | 5" round pole tenon         | -    | 5.2"    | 8.6" |
| 4SQ-SP-D      | 4" square pole tenon        | 3.6" | 3.6"    | 7.2" |
| 5SQ-SP-D      | 5" square pole tenon        | 4.6" | 4.6"    | 7.2" |
| R60-SP2-90-D  | Tenon adapter 90° double    | -    | ID 2.5" | 7.3" |
| R60-SP2-180-D | Tenon adapter 180° double   | -    | ID 2.5" | 7.3" |
| R60-SP3-90-D  | Tenon adapter 90° triple    | -    | ID 2.5" | 7.3" |
| R60-SP3-120-D | Tenon adapter 120° triple   | -    | ID 2.5" | 7.3" |
| R60-SP4-90-D  | Tenon adapter 90° quadruple | -    | ID 2.5" | 7.3" |