# QuadroMax PLUS

## Premium Area Light QMP Unique Fixture

**QuadroMAX Plus** is a modular area lighting fixture capable of replacing traditional metal halide solutions from 150W to 750W. Up to six LED modules can be interlocked to create lumen packages from 5,600 to 39,500. QuadroMAX Plus is a premium area lighting fixture with LED modules that interlock to create configurations from 50W to 300W, reaching 39,500+ lumens. Independent modules and drivers enable quick and efficient product maintenance and customization in the field!

| 50W | 100W | 150W | 200W | 250W | 300W |

### PERFORMANCE:
- Available in lumen packages from 5,600 to 39,500 lumens.
- LEDs are rated for greater than 100,000 hour life with calculated lumen maintenance > 90% (L90) at 25°C.
- 0-10V dimmable driver standard available in 120-277V or 347-480V.

### DESIGN:
- 20kV Surge Suppression standard
- Field-replaceable driver functionality – head module containing driver can be easily disconnected from fixture and replaced via quick connections.

### OPTICS:
- Available in Type II, Type III, Type IV, and Type V optics to allow for a range of asymmetric to symmetric distributions.

### CONSTRUCTION:
- Die Cast A380 Aluminum
- Independent LED engine arrays and optics
- High efficiency PC lens optics
- 12" - 18/3 SJTW 3C shielded power feed cord included standard (Power and Control wires)

### CONTROLS:

**Photo/Motion Sensor:** The Wattstopper FSP-211 uses passive infrared (PIR) sensing technology to react to changes in infrared energy (i.e. moving body heat) within the coverage area. This slim, low-profile sensor is designed for installation inside the bottom of a light fixture body and is ideal for outdoor environments. The sensor operates at 120V/230V-240V and single phase 277V. The motion sensor is fully adjustable with dimmed light level options as well as on/off dusk to dawn control. Sensor can be combined with various lenses to operate at mounting heights from 8' to 40'. Factory settings can be adjusted via the FSIR-100, a wireless configuration tool. **Note that the sensor comes with photocell setting disabled and the FSIR-100 must be purchased if photocell functionality is desired.**

**RPC or PR7 Options:** Allow the use of 3rd party distributed intelligence controllers designed to connect to the fixture via our NEMA standard C136.41 3- or 7-pin twist lock receptacle to provide dimming and On/Off control. Separate Photocontrol options are available, see page 2.

### MOUNTING:
- Five different mounting options to address three key areas of lighting: flood, area and wall pack applications.

### ENVIRONMENT:
- Listed for use in wet locations to UL standards and meet IP66 rating.

### PHOTOMETRICS:
Please see page 5 for Iso-footcandle layouts.

### OPTIONS:
- NEMA 3-pin and 7-pin photocontrol receptacle
- High/Low/Off PIR fixture-integrated photo/motion sensor compatible with FSIR-100 remote control

### FINISHES:
- Satin bronze finish standard

### SENSOR DEFAULT SETTINGS:

| FACTORY DEFAULTS | |
|---|---|
| High Mode | 10V |
| Low Mode | 1V |
| Time Delay | 5 Min |
| Cut Off | 1 Hr |
| Sensitivity | Max |

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## SPECIFICATIONS:

| ITEM | SPECIFICATION | DETAILS |
|---|---|---|
| **GENERAL PERFORMANCE** | Color Temperature (CCT) | 5000K |
| | CRI | >70 |
| | Efficacy | up to 131 lpw |
| | Calculated Lumens Maintenance (L90, TM-21 @ 25°C) | ≥ 100,000 hrs |
| **ELECTRICAL** | Power Factor | Over 90% |
| | Input Voltage | 120V-277V 50/60 Hz   or   347-480V 50/60 Hz |
| **PHYSICAL** | Housing | Die cast aluminum with powder coat paint |
| | Lens | Polycarbonate |
| | Operating Temperature | -40°C to 50°C (-40°F to 122°F)** |
| | Dimensions | See PHYSICAL SPECIFICATIONS table on page 3 |
| | Weight | See PHYSICAL SPECIFICATIONS table on page 3 |
| | EPA sq. ft | See PHYSICAL SPECIFICATIONS table on page 3 |
| **CERTIFICATION** | Certification | DLC 4.2 Premium, UL listed, IP66 |
| | PHYSICAL SPECIFICATIONS | Table on Page 3 |
| | Environment | Wet Location |
| | Humidy | 10% - 90% RH, non condensing |
| | Warranty | 10 years* |

*Subject to maximum 12 hours per day operation
**Maximum operating tempurature for 150W and 200W models is 40°C (104°F).

| MODEL SELECTION | Typical order example: QMP-50UT5-50B | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **QMP** | **-** | | | | **-** | **50** | **B** | |
| **FAMILY** | **-** | **WATTAGE** | **VOLTAGE** | **DISTRIBUTION** | **-** | **CCT** | **FINISH** | **OPTIONS** |
| **QMP** | **-** | **50=** 24 LEDs, 50W, 150W MH equiv. | **U=** 120-277V | **T2=** Type II | **-** | **50=** 5000K | **B=** Bronze | **(BLANK)=** None |
| | | **100=** 48 LEDs, 100W, 250W MH equiv. | **H=** 347-480V | **T3=** Type III | | | *Contact Maxlite for additional finishes* | **MS=** Photo/Motion Sensor |
| | | **150=** 72 LEDs, 150W, 320W PSMH equiv. | | **T4=** Type IV | | | | **RPC=** NEMA 3-Pin Photocell Receptacle |
| | | **200=** 96 LEDs, 200W, 400W MH equiv. | | **T5=** Type V | | | | **PR7=** NEMA 7-Pin Photocell Receptacle |
| | | **250=** 120 LEDs, 270W, 400W PSMH equiv. | | | | | | |
| | | **300=** 144 LEDs, 317W, 750W PSMH equiv. | | | | | | |

### MOUNTINGS[1]:

| EXAMPLE: QMP-PM-B | | | | | |
|---|---|---|---|---|---|
| **FAMILY** | **-** | **MOUNTING** | | **-** | **FINISH** |
| **QMP** | **-** | **PM=** Pole Mount[2] | | **-** | **B=** Bronze |
| | | **SK=** Slipfitter Knuckle | | | |
| | | **KS=** Knuckle Surface | | | |
| | | **TS=** Trunnion Swivel | | | |
| | | **WP=** Wall Pack | | | |

### HOUSE SIDE SHIELD:

| EXAMPLE: QMP-50HS-B | | | | | | |
|---|---|---|---|---|---|---|
| **FAMILY** | **-** | **MOUNTING** | **ACCESSORY** | **-** | **FINISH** | |
| **QMP** | **-** | **50=** 50W | **HS=** House Side Shield | **-** | **B=** Bronze | |
| | | **100=** 100W | | | | |
| | | **150=** 150W | | | | |
| | | **200=** 200W | | | | |
| | | **250=** 250W | | | | |

### NOTES:

1. Mounting options sold separately.
2. Pole mount comes with a 4" round pole adaptor standard.

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## PHYSICAL SPECIFICATIONS:

| MODEL NUMBER | LENGTH | WIDTH | HEIGHT | WEIGHT | EPA (SQ FT.) |
|---|---|---|---|---|---|
| | | | MAIN BODY FIXTURE | | |
| QMP-50 | 14.26" | 13.35" | 2.57" | 19.8 lbs (9.0kg) | 1.54 |
| QMP-100 | 17.90" | 13.35" | 2.57" | 25.4 lbs (12kg) | 1.94 |
| QMP-150 | 21.54" | 13.35" | 2.57" | 28.7 lbs (13kg) | 2.34 |
| QMP-200 | 25.18" | 13.35" | 2.57" | 33.1 lbs (15kg) | 2.75 |
| QMP-250 | 28.82" | 13.35" | 2.57" | 39.7 lbs (18kg) | 3.30 |
| QMP-300 | 32.46" | 13.35" | 2.57" | 44.1 lbs (20kg) | 3.69 |

## PHOTOMETRIC PERFORMANCE:

| MODEL NUMBER | INPUT POWER | T3 LUMENS | T4 LUMENS | T5 LUMENS |
|---|---|---|---|---|
| QMP-50 | 50W | 5,690 | 5,615 | 5,900 |
| QMP-100 | 100W | 11,810 | 11,700 | 12,275 |
| QMP-150 | 150W | 17,475 | 17,165 | 18,135 |
| QMP-200 | 200W | 24,285 | 23,180 | 23,340 |
| QMP-250 | 270W | 32,285 | 31,840 | 33,485 |
| QMP-300 | 317W | 38,040 | 37,315 | 39,505 |

## BACKLIGHT, UPLIGHT, AND GLARE RATINGS:

| MODEL NUMBER | T3 B | T3 U | T3 G | T4 B | T4 U | T4 G | T5 B | T5 U | T5 G |
|---|---|---|---|---|---|---|---|---|---|
| QMP-50 | B2 | U0 | G1 | B1 | U0 | G1 | B3 | U0 | G1 |
| QMP-100 | B3 | U0 | G2 | B2 | U0 | G2 | B3 | U0 | G2 |
| QMP-150 | B3 | U0 | G2 | B3 | U0 | G2 | B4 | U0 | G2 |
| QMP-200 | B4 | U0 | G2 | B3 | U0 | G3 | B3 | U0 | G3 |
| QMP-250 | B4 | U0 | G3 | B3 | U0 | G3 | B5 | U0 | G3 |
| QMP-300 | B4 | U0 | G3 | B4 | U0 | G4 | B5 | U0 | G3 |

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### ACCESSORIES:

| ORDER CODE | MODEL | DESCRIPTION | IMAGE |
|---|---|---|---|
| 102944 | UPMA-B | Universal Pole Mount Adaptor, Bronze, hardware and gasket included |  |
| 102945 | UPMA-S | Universal Pole Mount Adaptor, Silver, hardware and gasket included |  |
| 102225 | UPMA-4RPA-B | Round Pole Adaptor for 4" pole for Universal Pole Mount Adaptor |  |
| 102976 | UPMA-5RPA-B | Round Pole Adaptor for 5" pole for Universal Pole Mount Adaptor | |
| 72055 | 6390LBK | Twist-Lock Electronic Photocontrol 120/208/240/277V |  |
| 1408292 | 6394LL | Twist-Lock Electronic Photocontrol 432-528VAC |  |
| 100687 | QMP-3RPA-B | 3" ROUND POLE ADAPTER FOR QMP-PM SERIES, TO BE USED WITH POLE MOUNT, BRONZE |  |
| 100686 | QMP-4RPA-B | 4" ROUND POLE ADAPTER FOR QMP-PM SERIES, TO BE USED WITH POLE MOUNT, BRONZE | |
| 100688 | QMP-5RPA-B | 5" ROUND POLE ADAPTER FOR QMP-PM SERIES, TO BE USED WITH POLE MOUNT, BRONZE | |
| 102184 | FSIR-100 | Remote Hand-held Configuration Tool |  |

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### ISOFOOTCANDLE:

**Each gridline represents one mounting height.**

**For mounting heights other than noted multiply FC by the below factor.**

$$\text{Factor} = \frac{(\text{Chart's Mtg Height})^2}{(\text{Actual Mtg Height})^2}$$

**LEGEND**
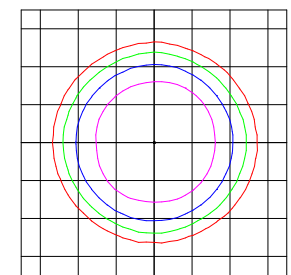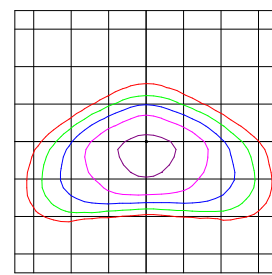
- 0.25 fc
- 0.5 fc
- 1 fc
- 2 fc
- 5 fc

| | TYPE III | TYPE IV | TYPE V |
|---|---|---|---|
| **50 WATT** 15 ft mounting height | | | |
| **100 WATT** 20 ft mounting height | | | |
| **150 WATT** 20 ft mounting height | | | |
| **200 WATT** 25 ft mounting height | | | |
| **250 WATT** 30 ft mounting height | | | |
| **300 WATT** 30 ft mounting height | | | |
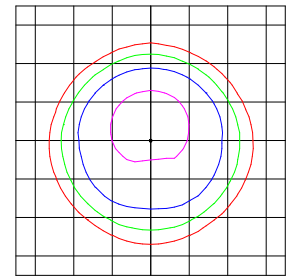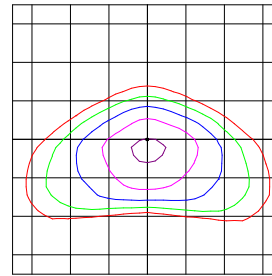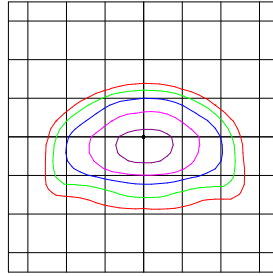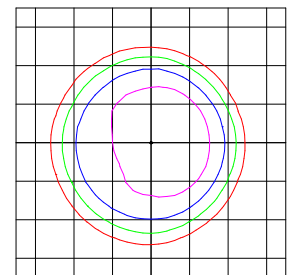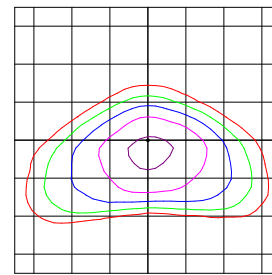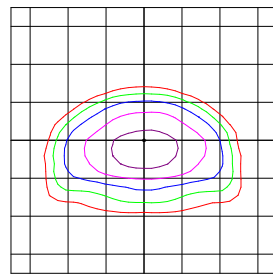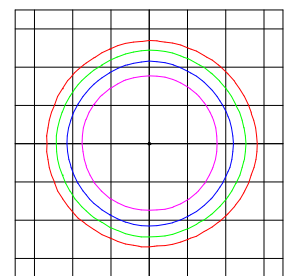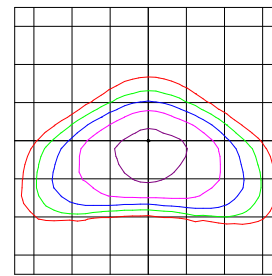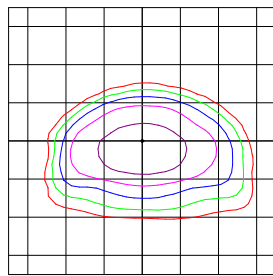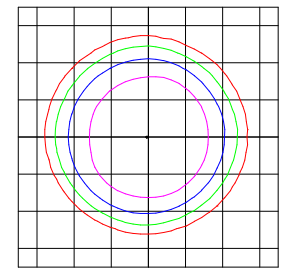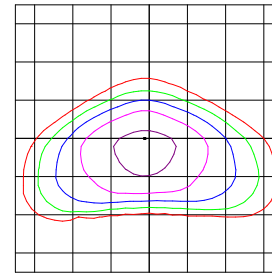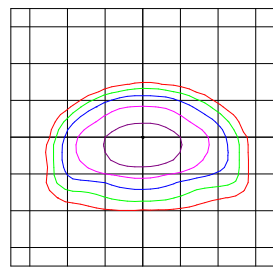


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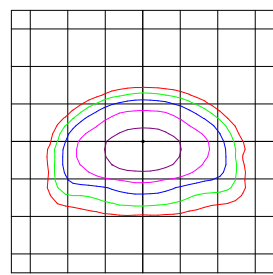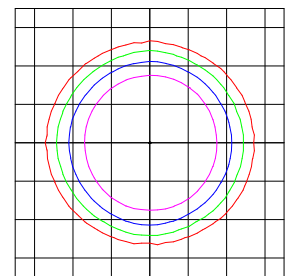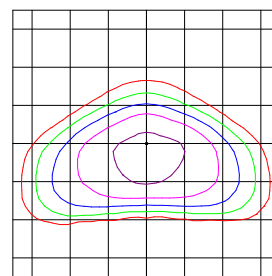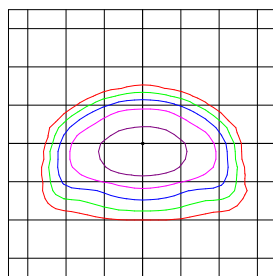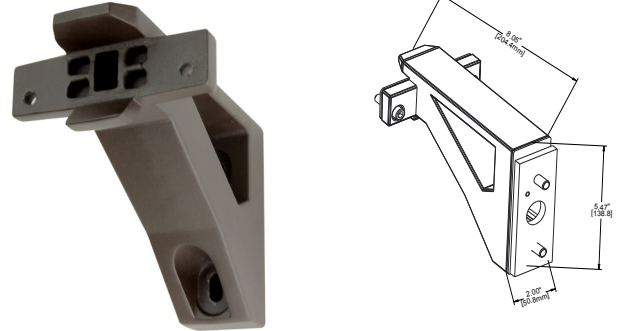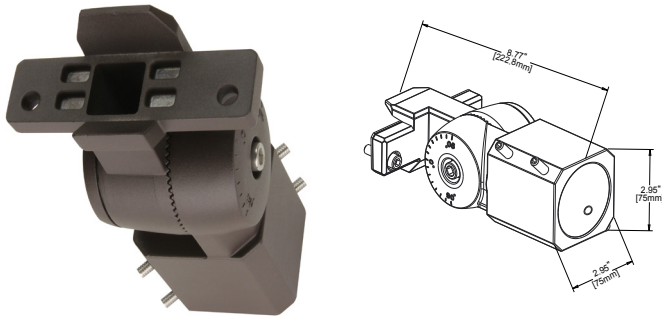
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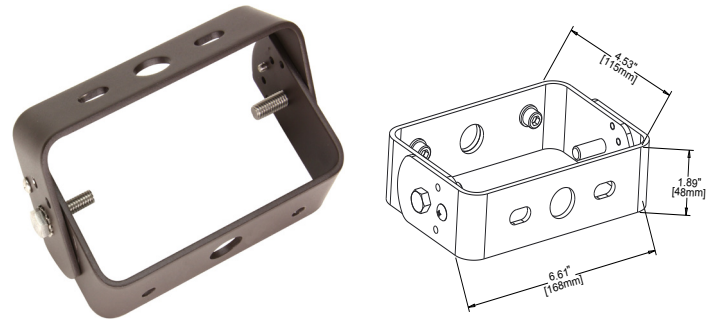## MOUNTING OPTIONS:
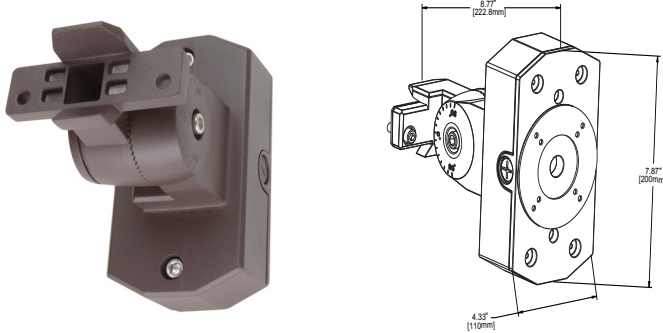


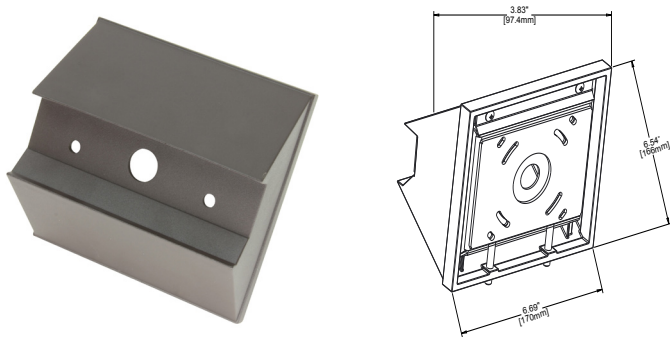### KNUCKLE SURFACE MOUNT
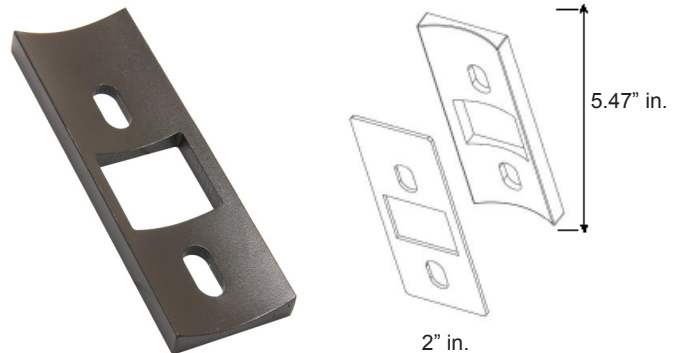QMP-KS



### POLE MOUNT
QMP-PM



### SLIPFITTER MOUNT
QMP-SK



### TRUNNION SWIVEL MOUNT
QMP-TS



### WALL PACK MOUNT
QMP-WP



### ROUND POLE ADAPTER
QMP-4RPA

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