Product Description

> Quick Ship - In Stock, Ready to Ship

The Array AR series is a multi-application luminaire using the latest Philips Lumileds LEDS. From benchmarking a minimum 104 degree F ambient during thermal testing, to custom designed LED arrays for each luminaire individually, to using the best housing materials and coatings, each aspect has been taken into careful consideration to ensure many years of trouble-free service, all at an affordable price.

Project:		Type:
Location:		
Prepared By:		Date:
Comments:		

Performance Summary

- Philips Lumileds 3030 LEDS with high efficacy >140 Lm/W
- Meets dark sky requirements
- Bronze pole mount accessories available to match the luminaire
- Low profile, 3G vibration rated compact design minimizes wind loads
- Patented heat dissipation design for optimum efficiency
- National listing lab tested to IES standards in Type III, IV, and V distributions
- High lumen maintenance exceeds DOE requirements
- Photometric optic built over each LED for enhanced light distribution
- Solid State with high-shock and vibration resistance
- Rugged one-piece A360 die-cast housing with integral heat sink
- Housing is completely sealed against moisture and environmental contaminants
- Aluminum LED boards with copper tracings for best thermal management
- LED array manufactured using a state-of-the-art SMT machine
- Light engines are available in standard 4000K and 5000K (70 CRI) configurations
- Optics are precisely designed to shape the distribution, maximizing efficiency
- Architectural powdercoat finish available in bronze, black, white, or silver gray
- Chromate conversion coating for long lasting appearance
- Multiple mounting brackets available for many applications
- Rust resistant stainless steel hardware with durable nickel-plating
- Knockouts for optional photocell or occupancy sensor
- 1-10V dimmable driver included with surge protection option
- Fast turn on with no warm up or cold start issues
- Contains no mercury, lead or UV radiation and cool to the touch
- Operating temperature: -40 to 113 degrees F (-40 to 45 degrees C)
- 100,000 hour LED life based on LM-80 results and TM-21 calculation
- Certifications: CE, RoHS, UL, cUL, DLC - IP65 outdoor rated
- 5 year system warranty

ARRAY AR SERIES

Multiple Applications and Mounting Options

LED Dimmable Luminaire

Models:

- VVDMAL04040: 40W - 6210 Lm - B:1, U:0, G:1
- VVDMAL04070: 70W - 10350 Lm - B:2, U:0, G:2
- VVDMAL04100: 100W - 13900 Lm - B:2, U:0, G:2**
- VVDMAL04150: 150W - 20800 Lm - B:3, U:0, G:3
- VVDMAL04200: 200W - 26000 Lm - B:3, U:0, G:3
- VVDMAL04250: 250W - 35250 Lm - B:4, U:0, G:4
- VVDMAL04300: 300W - 42000 Lm - B:4, U:0, G:4

Ordering Information:

Part Number:

*Adder Applies **Not Available in 480V ***Standard Housing Color to Match Pole Accessories Ordering Example: VVDMAL04040-40-T3-V27-BZ-WM

Family	CCT	Optic	Voltage	Finish	Mounting	Accessories*
VVDMAL04040 VVDMAL04070 VVDMAL04100 VVDMAL04150 VVDMAL04200 VVDMAL04250 VVDMAL04300	40 - 4000K 50 - 5000K	T3 - Type III T4 - Type IV T5 - Type V	V27 - 120-277V V48 - 480V*	BZ - Bronze*** BK- Black WT - White SG - Silver Gray	WM - Wall Mount Bracket SQ - Direct Mount Arm for Square or Round Poles SP - External Mount Slipfitter YK - Heavy Duty Yoke TR - Trunnion	SP1 - Surge Protection 120-277V SP2 - Surge Protection 480V PS1 - Twist Lock Photocell Set with Receptacle 120-277V PS2 - Twist Lock Photocell Only 120-277V PS3 - Twist Lock Photocell Set with Receptacle 480V PS4 - Twist Lock Photocell Only 480V PS - Bi-level PIR Sensor 120-277V 4SQ - 4" Square Pole Mount with 2-3/8" O.D. Tenon 5SQ - 5" Square Pole Mount with 2-3/8" O.D. Tenon SPTR - 2-3/8" O.D. Tenon Mount Adapter for Yoke WMSP - Wall Mount Kit with Static Slipfitter SP290 - Horizontal Tenon Adapter, Double 90 Degree SP2180 - Horizontal Tenon Adapter, Double 180 Degree SP490 - Tenon Adapter, Quad 90 Degree Horizontal SQSP - Square Pole Tenon Adapter SP390 - Tenon Adapter, Triple 90 Degree Horizontal SP3120 - Horizontal Tenon Adapter, Triple 120 Degree 4SQR - Tenon Adapter for 4 Inch Round Pole 5SQR - Tenon Adapter for 5 Inch Round Pole

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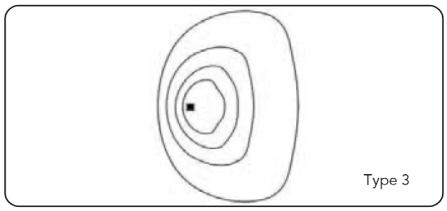
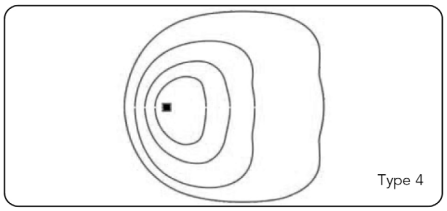
Revised 7.6.19

Photometrics

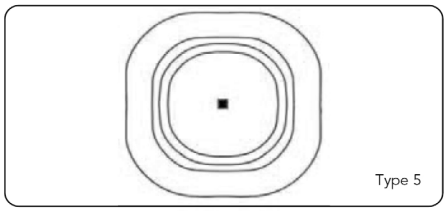
Type 3 optics produce an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire. In a back-to-back configuration, it creates a rectangular pattern which can extend pole spacings.



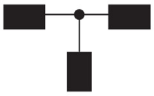
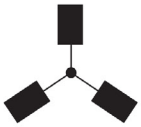
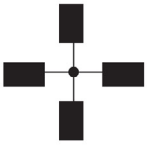
Type 4 is suitable for applications where light is primarily required forward with minimal backlight. Typical installations include perimeter poles.



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

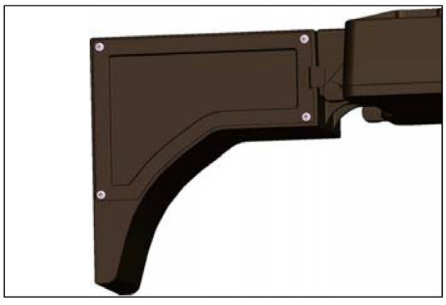


EPA:

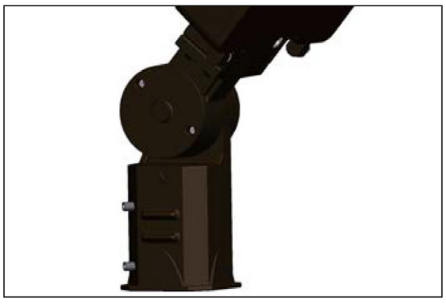
Item	1	2 @90°	2 @120°	2@180°	 3 @90°	 3 @120°	 4 @90°
40W/70W/100W	0.3413	0.5929	0.7983	0.6826	1.0239	1.0499	1.0239
150W/200W	0.423	0.735	0.873	0.846	1.158	1.185	1.158
250W/300W	0.4759	0.7889	1.0581	0.9518	1.2648	1.3711	1.2648

Mounting:

- Standard versatile mounting arm accommodates multiple drilling patterns as well as square and round poles
- Wall Mount available for direct wall mounting and J-box mounting
- Optional for cast aluminum slipfitter mounting adapter



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''(2-3/8''O.D. pipe size) 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

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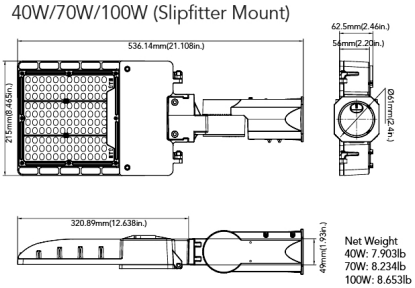
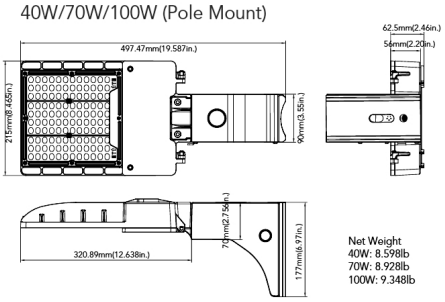
Dimensions:

40W/70W/100W (Slipfitter Mount)



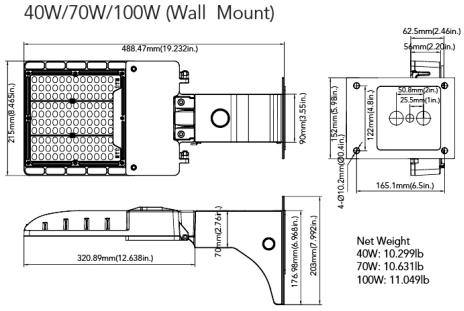
Net Weight
40W: 7.903lb
70W: 8.234lb
100W: 8.653lb

40W/70W/100W (Pole Mount)



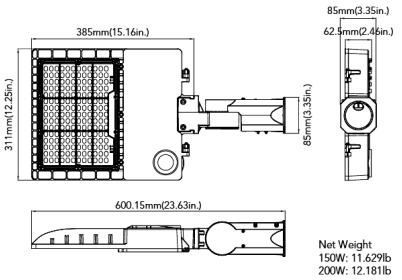
Net Weight
40W: 8.598lb
70W: 8.928lb
100W: 9.348lb

40W/70W/100W (Wall Mount)



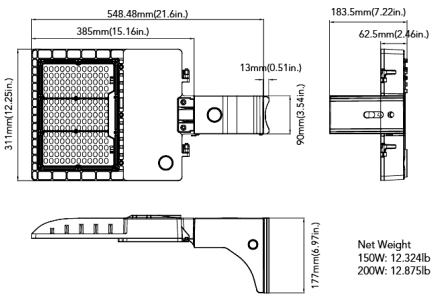
Net Weight
40W: 10.299lb
70W: 10.631lb
100W: 11.049lb

150W/200W (Slipfitter Mount)



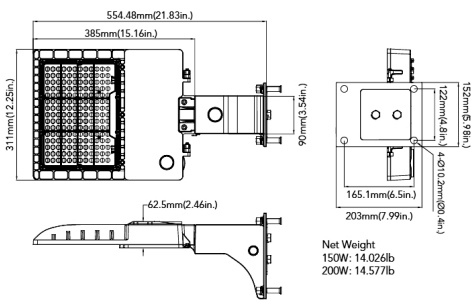
Net Weight
150W: 11.629lb
200W: 12.181lb

150W/200W (Pole Mount)



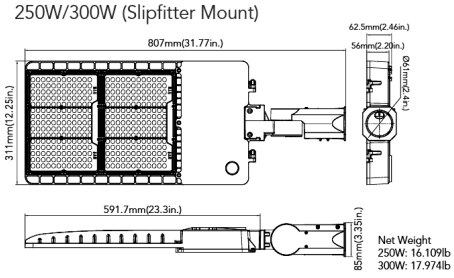
Net Weight
150W: 12.324lb
200W: 12.875lb

150W/200W (Wall Mount)



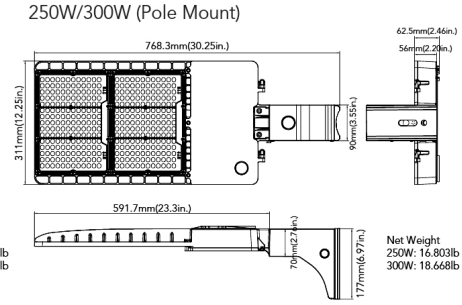
Net Weight
150W: 14.026lb
200W: 14.577lb

250W/300W (Slipfitter Mount)



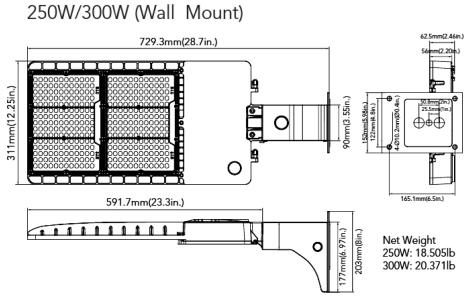
Net Weight
250W: 16.109lb
300W: 17.974lb

250W/300W (Pole Mount)



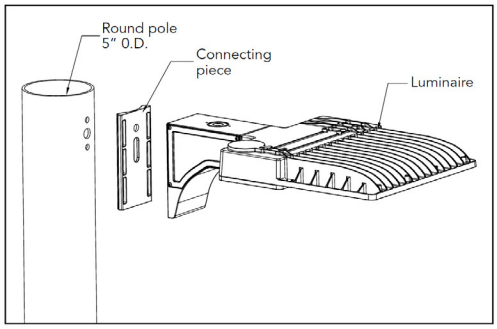
Net Weight
250W: 16.803lb
300W: 18.668lb

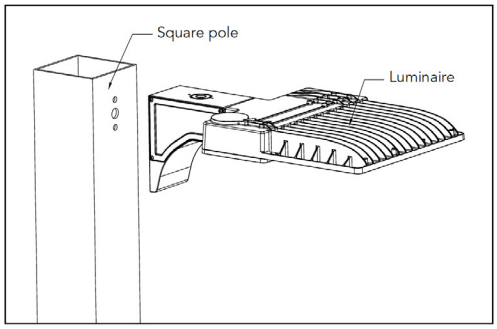
250W/300W (Wall Mount)

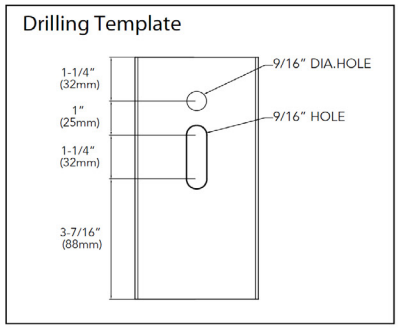


Net Weight
250W: 18.505lb
300W: 20.371lb

Arm Mount Detail:







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Pole Accessories:

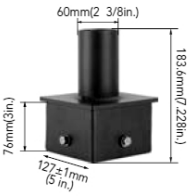
POLE BRACKET • For mounting one fixture on an existing pole

4" Square Pole Mount with 2-3/8" O.D. Tenon

Finish: Dark Bronze
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.

4" Round Pole Mount with 2-3/8" O.D. Tenon

Finish:Dark Bronze
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.



5" Square Pole Mount with 2-3/8" O.D. Tenon

Finish: Dark Bronze
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.

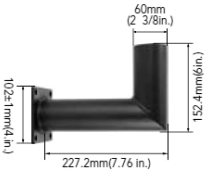
5" Round Pole Mount with 2-3/8" O.D. Tenon

Finish:Dark Bronze
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.

Pole Bracket accessories-Tenon & Yoke Adaptor

Finish: Dark Bronze
USE: The 2-3/8" OD Tenon Mount Adaptor for Yoke Fixtures is designed to mount 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.

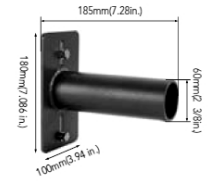
WALL BRACKET • Attaches to any flat surface • Provides wiring access



90° Wall Mount Bracket with 2-3/8" O.D. Tenon

Finish: Dark Bronze
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.

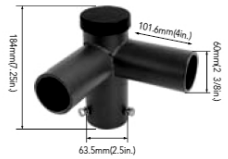
Mid-Pole tenon Bracket



2-3/8" OD Horizontal Tenon Mid-Pole Bracket

Finish:Dark Bronze
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

Round External Mount Horizontal Tenon · To mount 2/3/4 fixtures on a existing pole

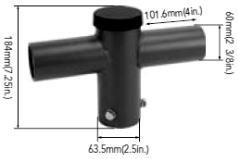


Double 90' Horizontal Tenon Adaptor

Finish:Dark Bronze
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

Triple 120' Horizontal Tenon Adaptor

Finish:Dark Bronze
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

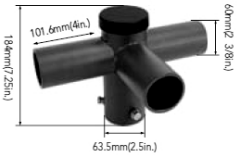


Double 180' Horizontal Tenon Adaptor

Finish:Dark Bronze
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

Quad 90' Horizontal Tenon Adaptor

Finish:Dark Bronze
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



Triple 90' Horizontal Tenon Adaptor

Finish:Dark Bronze
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

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