

Features & Benefits

Precision Die-Cast Aluminum Housing with Stainless Steel Fasteners

Low Profile, 3G Vibration Rated Compact Design Minimizes Load Requirements

Round Pole, Square Pole, Slipfitter or Wall Mount Included

Available in Type 3, Type 4, and Type 5 Light Distributions

Remote PIR Sensor, Photocell

Mounting Adapters for all Applications

UL for Wet Location, IP66 Rated

The Optics can Conform to Dark Sky Requirement

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

5-Year Limited Warranty; Extended Labor Warranty Available Upon Request

Small Size: 100W



Medium Size: 150W



Large Size: 250W/300W



Technical Parameters

Power	Light Output	Input	Operating Temperature	Efficacy
100W - 300W	14,100 lm - 42,000 lm	120-277V, 347/480V	-40°F- 113°F	Up to 142 lm/W

Color Temperature	CRI	Certifications	Photocell	Motion Sensor
4000K, 5000K	70 CRI	UL	Twist Lock	Bi-Level PIR Sensor

Driver	Surge Protection	Light Distribution	Finish	
0-10V Dimming	10K	Types 3, 4, 5	DB, W, B, SG	

Note: 0-10V Dimming Driver Available Upon Request

Performance Data

5000K (70 CRI)			
LED Watts	Dist. Type	Lumens	LPW
100W	3	14,100 lm	141 lm/W
	4	13,900 lm	139 lm/W
	5	14,200 lm	142 lm/W
150W	3	21,000 lm	140 lm/W
	4	20,500 lm	137 lm/W
	5	21,000 lm	140 lm/W
250W	3	35,000 lm	140 lm/W
	4	35,000 lm	140 lm/W
	5	35,000 lm	140 lm/W
300W	3	42,000 lm	140 lm/W
	4	41,000 lm	137 lm/W
	5	42,000 lm	140 lm/W

4000K (70 CRI)			
LED Watts	Dist. Type	Lumens	LPW
100W	3	14,100 lm	141 lm/W
	4	14,000 lm	140 lm/W
	5	14,200 lm	142 lm/W
150W	3	21,000 lm	140 lm/W
	4	20,500 lm	137 lm/W
	5	21,000 lm	140 lm/W
250W	3	35,000 lm	140 lm/W
	4	35,000 lm	140 lm/W
	5	36,000 lm	144 lm/W
300W	3	42,000 lm	140 lm/W
	4	41,000 lm	137 lm/W
	5	42,000 lm	140 lm/W

Ordering Information

Example: ALG5-150W-50K-PM-T3

(Optional)

Model	Wattage	Voltage	CCT	Finish	Mounting	Distribution	Controls
ALG Area Light ALG5 Series	100W 150W 250W 300W	Blank 120-277V HV 347/480V	40K 4000K 50K 5000K	Blank Dark Bronze W White B Black SG Silver Gray	PM Pole Mount SP Slipfitter WM Wall Mount	T3 Type 3 T4 Type 4 T5 Type 5	P Photocell M Motion Sensor

Note:

1. Pole Mount Includes Square & Round Pole Adapter
2. 100W is limited to 120-277V Input Only

Mounting

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

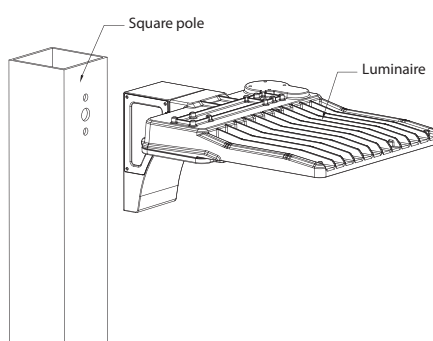
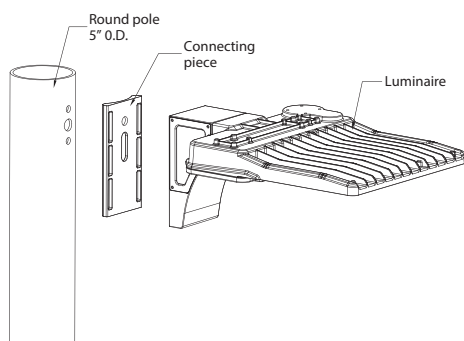
Wall Mount is easy to install for direct wall mounting with 1/2' conduit wiring or standard J-box mounting



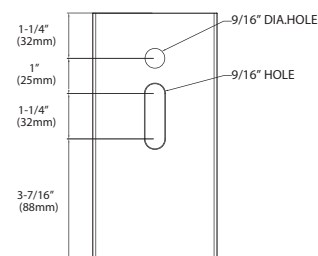
Yoke Mount

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

Mounting Dimensions

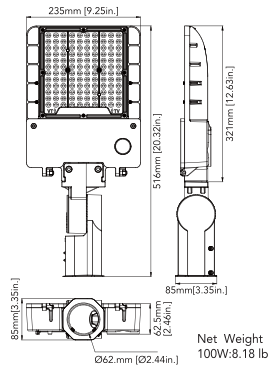


Drilling Template

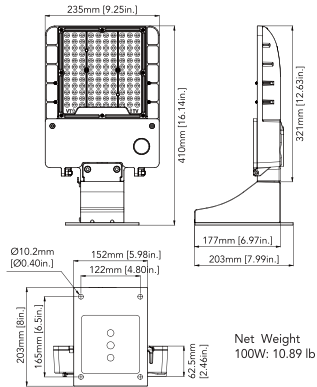


Product Dimensions

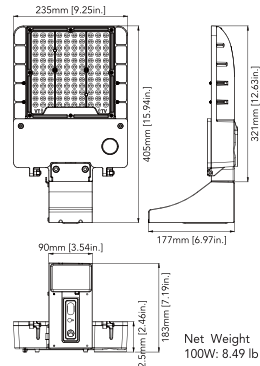
100W (Slipfitter Mount)



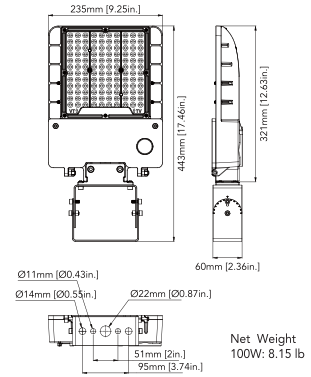
100W (Wall Mount)



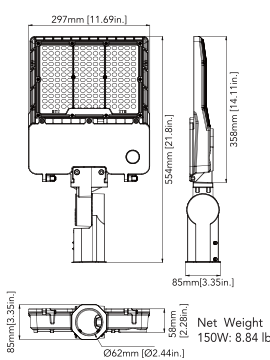
100W (Pole Mount)



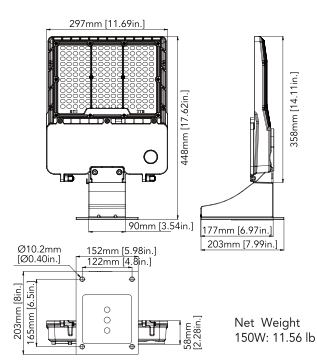
100W (Yoke Mount)



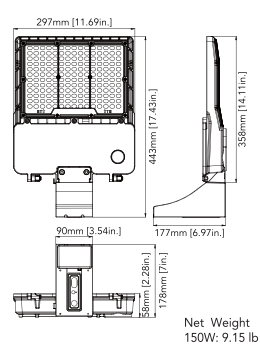
150W (Slipfitter Mount)



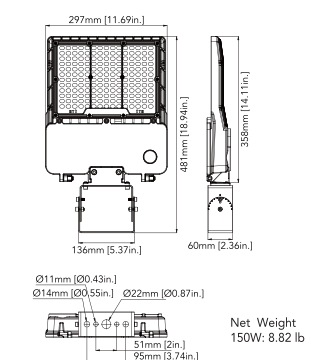
150W (Wall Mount)



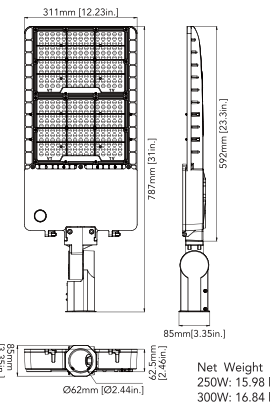
150W (Pole Mount)



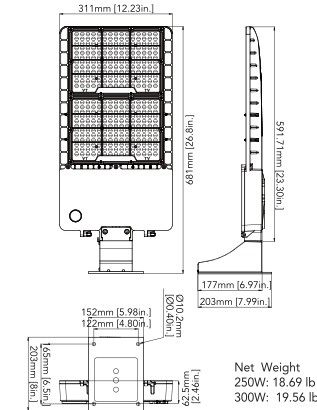
150W (Yoke Mount)



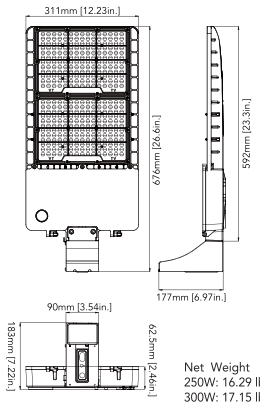
250W/300W (Slipfitter Mount)



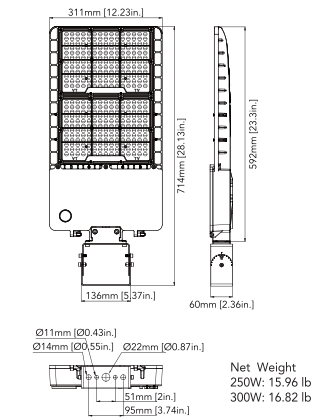
250W/300W (Wall Mount)



250W/300W (Pole Mount)



250W/300W (Yoke Mount)



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 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



Additional Mounting Accessories

POLE BRACKET

	4" Square Pole Mount with 2-3/8" O.D. Tenon NO. 45Q-SP-D 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 NO. 45QR-SP-D 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 NO. 55Q-SP-D 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 NO. 55QR-SP-D 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 -Angle-Adjustment Adapter NO. SQA-ALDA Finish: Dark Bronze 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.		Pole Bracket accessories-Tenon & Yoke Adaptor NO. SP-TR-D Finish: Dark Bronze 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.

WALL BRACKET

	90° Wall Mount Bracket with 2-3/8" O.D. Tenon NO. WM-SP-D 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 built-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.		2-3/8" OD Horizontal Tenon Mid-Pole Bracket NO. SQ-SP-D 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
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ROUND EXTERNAL MOUNT HORIZONTAL TENON

	Double 90° Horizontal Tenon Adaptor NO. R60-SP2-90-D 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 NO. R60-SP3-120-D 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 NO. R60-SP2-180-D 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 NO. R60-SP4-90-D 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 NO. R60-SP3-90-D 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		