



AREA LIGHT(AL06)

Applications:

Auto dealerships, parking lots, walkways, roadways, campuses, facade lighting, grocery stores and other public areas.

FEATURES

Construction:

- Rugged one-piece, die-cast aluminum housing secures the thermally conductive LED panel and electrical chamber
- Low profile, 3G vibration rated compact design minimizes wind load requirements.
- Housing is completely sealed against moisture and environmental contaminants.

Optics:

- Available in IES Type III, IV, V distributions
- Light engines are available in standard 4000 K and 5000 K (70 CRI) configurations.
- Scalable Lumen Packages from 14,100 to 52,150 Lumens replaces up to 1000W Metal Halide.
- Optics is precisely designed to shape the distribution, maximizing efficiency and application spacing.
- For the ultimate level of spill light control, an optional house-side shield accessory can be field or factory installed.
- The optics can conform to dark sky requirement.

Electrical:

- Universal 120-277 VAC or 347-480 VAC input voltage
- Standard with 0-10V dimming driver(s)
- THD: ≤20%
- Power Factor: ≥90%

Controls:

- Optional occupancy sensor
- Optional Photocell

Ambient Temperature:

- Ambient operating temperature -40° C to 45° C (-40° F to 113° F).

Installation:

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

Lifespan:

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

Finish:

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



Black



Dark Bronze



Silver Gray



White

Certifications:

- UL listed for wet location

Medium Size: 100W/150W/200W



Large Size: 300W/350W

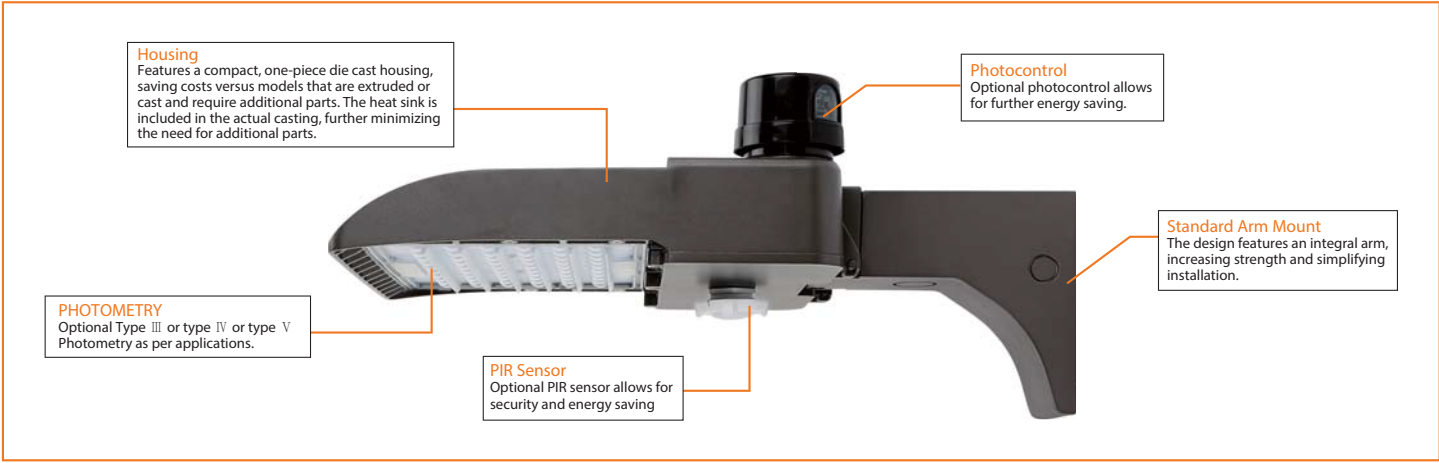


Warranty:

AOL warrants that our LED products will be free from defects in materials and workmanship for a period of five (10) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

Note:

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








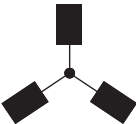

PERFORMANCE DATA

| | | | 4000K(70CRI) | | 5000K(70CRI) | |
|--------------|----------|-----------|--------------|----------|--------------|----------|
| SYSTEM WATTS | VOLTAGE | DIST.TYPE | LUMENS | LPW | LUMENS | LPW |
| 100W | 120-277V | 3 | 14600lm | 146 lm/W | 14800lm | 148 lm/W |
| | 120-277V | 4 | 14100lm | 141 lm/W | 14200lm | 142 lm/W |
| | 120-277V | 5 | 14900lm | 149 lm/W | 14900lm | 149 lm/W |
| 150W | 120-277V | 3 | 21600lm | 144 lm/W | 22000lm | 147 lm/W |
| | 347-480V | | 22000lm | 147 lm/W | 23000lm | 153 lm/W |
| | 120-277V | 4 | 20700lm | 138 lm/W | 21150lm | 141 lm/W |
| | 347-480V | | 21150lm | 141 lm/W | 21750lm | 145 lm/W |
| | 120-277V | 5 | 22000lm | 147 lm/W | 23000lm | 153 lm/W |
| | 347-480V | | 23000lm | 153 lm/W | 23150lm | 154 lm/W |
| 200W | 120-277V | 3 | 27800lm | 139 lm/W | 28000lm | 140 lm/W |
| | 347-480V | | 28000lm | 140 lm/W | 28500lm | 143 lm/W |
| | 120-277V | 4 | 27400lm | 137 lm/W | 27600lm | 138 lm/W |
| | 347-480V | | 27600lm | 138 lm/W | 28200lm | 141 lm/W |
| | 120-277V | 5 | 28200lm | 141 lm/W | 28400lm | 142 lm/W |
| | 347-480V | | 28400lm | 142 lm/W | 29000lm | 145 lm/W |
| 300W | 120-277V | 3 | 43500lm | 145 lm/W | 44000lm | 147 lm/W |
| | 347-480V | | 43500lm | 145 lm/W | 44000lm | 147 lm/W |
| | 120-277V | 4 | 42300lm | 141 lm/W | 42500lm | 142 lm/W |
| | 347-480V | | 42500lm | 142 lm/W | 42900lm | 143 lm/W |
| | 120-277V | 5 | 43500lm | 145 lm/W | 43800lm | 146 lm/W |
| | 347-480V | | 43800lm | 146 lm/W | 44100lm | 147 lm/W |
| 350W | 120-277V | 3 | 50000lm | 143 lm/W | 50350lm | 144 lm/W |
| | 347-480V | | 50000lm | 143 lm/W | 50350lm | 144 lm/W |
| | 120-277V | 4 | 49350lm | 141 lm/W | 49700lm | 142 lm/W |
| | 347-480V | | 49700lm | 142 lm/W | 50750lm | 145 lm/W |
| | 120-277V | 5 | 50750lm | 145 lm/W | 51100lm | 146 lm/W |
| | 347-480V | | 51100lm | 146 lm/W | 52150lm | 149 lm/W |

ELECTRICAL DATA

| Number Of Drivers | Driver Current (mA) | Nominal Power (W) | INPUT VOLTAGE (V) | CURRENT (Amps) |
|-------------------|---------------------|-------------------|-------------------|----------------|
| 1 | 2600 | 100 | 120 | 0.83 |
| | | 100 | 208 | 0.48 |
| | | 100 | 240 | 0.42 |
| | | 100 | 277 | 0.36 |
| 1 | 3900 | 150 | 120 | 1.25 |
| | | 150 | 208 | 0.72 |
| | | 150 | 240 | 0.63 |
| | | 150 | 277 | 0.54 |
| | | 150 | 347 | 0.43 |
| | | 150 | 480 | 0.31 |
| 1 | 5100 | 200 | 120 | 1.67 |
| | | 200 | 208 | 0.96 |
| | | 200 | 240 | 0.83 |
| | | 200 | 277 | 0.72 |
| | | 200 | 347 | 0.58 |
| | | 200 | 480 | 0.42 |
| 1 | 6000 | 300 | 120 | 2.50 |
| | | 300 | 208 | 1.44 |
| | | 300 | 240 | 1.25 |
| | | 300 | 277 | 1.08 |
| | | 300 | 347 | 0.86 |
| | | 300 | 480 | 0.63 |
| 1 | 6200 | 350 | 120 | 2.92 |
| | | 350 | 208 | 1.68 |
| | | 350 | 240 | 1.46 |
| | | 350 | 277 | 1.26 |
| | | 350 | 347 | 1.01 |
| | | 350 | 480 | 0.73 |

EPA OF AREA LIGHT

| Item |  |  |  |  |  |  |  |
|----------------|---|---|---|---|--|---|---|
| | 1 | 2 @90° | 2 @120° | 2@180° | 3 @90° | 3 @120° | 4 @90° |
| 100W/150W/200W | 0.4418 | 0.7145 | 0.8813 | 0.8836 | 1.0548 | 1.0135 | 1.0548 |
| 300W/350W | 0.5614 | 0.8471 | 1.105 | 1.1228 | 1.294 | 1.2503 | 1.294 |

BUG

| SYSTEM WATTS | VOLTAGE | DIST.TYPE | B | U | G |
|--------------|-------------------|-----------|---|---|---|
| 100W | 120-277V | 3 | 2 | 0 | 2 |
| 150W | 120-277V/347-480V | 3 | 3 | 0 | 3 |
| 200W | 120-277V/347-480V | 3 | 3 | 0 | 3 |
| 300W | 120-277V/347-480V | 3 | 3 | 0 | 4 |
| 350W | 120-277V/347-480V | 3 | 3 | 0 | 5 |

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 (Compatible with more ALPHA OMEGA LIGHTING mounting adaptors such as Tenon, suits for various application)

Mounting Options



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

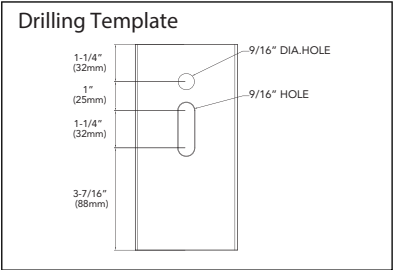
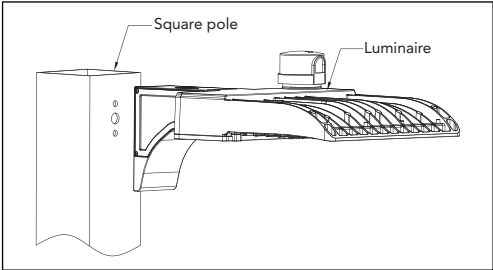
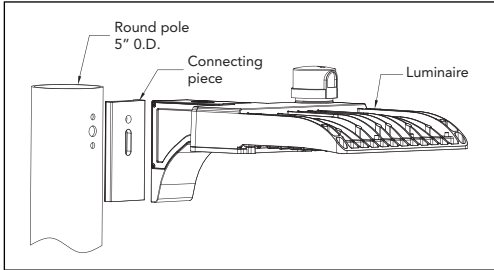


Slipfitter Mount
An optional cast aluminum mast arm adapter secures fixture head to nominal 2"(2-3/8"O.D. pipe size) horizontal steel tenon arm.



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

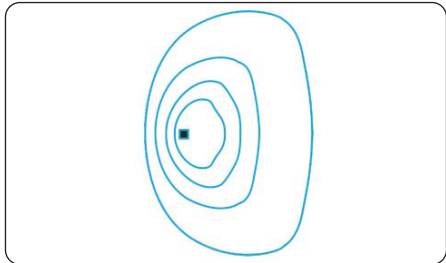
Mounting Dimensions



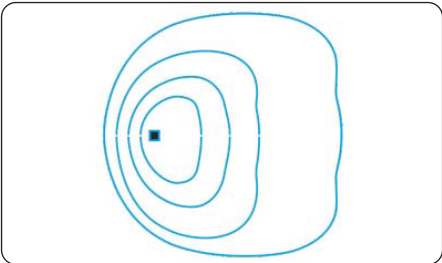
PHOTOMETRICS

ALPHA OMEGA LIGHTING 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.

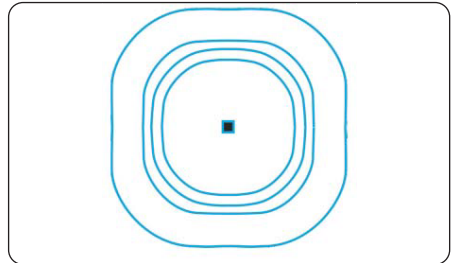
Type 3:
Type 3 optics produce an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire. In a back-to-back configuration, it creates a rectangular pattern which can extend pole spacings.



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



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



ORDERING GUIDE

Example: AO-AL06-100-LV-XXX-Y-Y-Y-Y

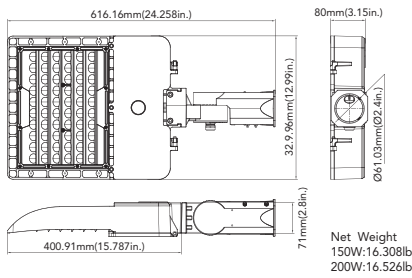
| Fixture Type | Wattage | Voltage | CCT | Finish | Photocell (Option) | Sensor (Option) | Mounting | Photometry |
|----------------------------------|----------------------|----------------------|----------------------|-----------------------|--------------------------------|-------------------------------|-----------------------------|-------------------------------|
| AO- <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| AL06 Area Light Series | 100 100W | LV 120-277V | 40K 4000K | D Dark Bronze | P0 120-277V Photocell | M With 120-277V Sensor | SQ Square Pole Mount | T3 TYPE III Photometry |
| | 150 150W | HV 347-480V | 50K 5000K | B Black | P3 347V Photocell | Blank Without Sensor | SP Slipfitter Mount | T4 TYPE IV Photometry |
| | 200 200W | | | W White | P4 480V Photocell | | WM Wall Mount | T5 TYPE V Photometry |
| | 300 300W | | | SG Silver Gray | Blank Without Photocell | | | |
| | 350 350W | | | | | | | |

Note: 100W is limited to 120-277V only.

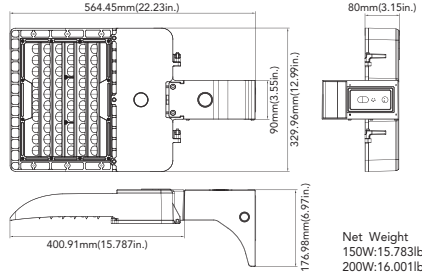
DIMENSIONS

unit: inch/mm

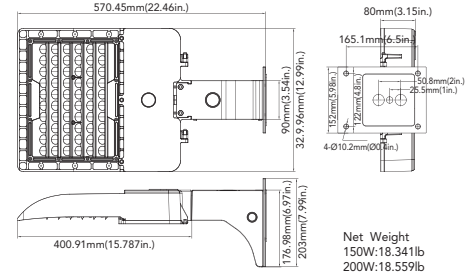
Slipfitter Mount(100W/150W&200W)



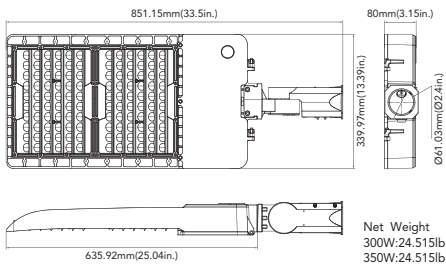
Pole Mount(100W/150W&200W)



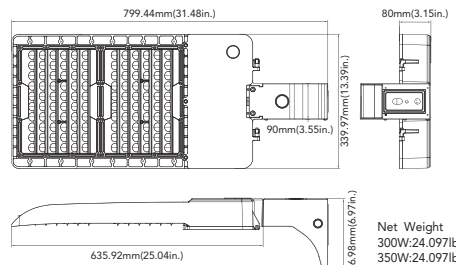
Wall Mount(100W/150W&200W)



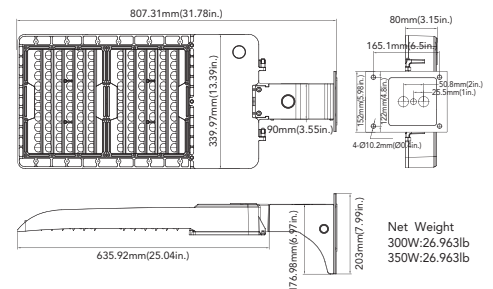
Slipfitter Mount(300W&350W)



Pole Mount(300W&350W)




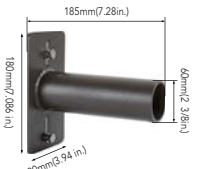





Wall Mount(300W&350W)



ADDITIONAL MOUNTING ACCESSORIES

| POLE BRACKET • For mounting one fixture on an existing pole | | | |
|--|---|--|--|
| <p>60mm(2 3/8in.) 183.6mm(7.228in.) 76mm(3in.) 102±1mm(4in.)</p> | <p>4" Square Pole Mount with 2-3/8" O.D. Tenon No. 4SQ-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.</p> | <p>60mm(2 3/8in.) 222.5mm(8.76in.) 101.6mm(4in.) 106.68mm(4.2in.)</p> | <p>4" Round Pole Mount with 2-3/8" O.D. Tenon No. 4SOR-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.</p> |
| <p>60mm(2 3/8in.) 183.6mm(7.228in.) 76mm(3in.) 127±1mm(5in.)</p> | <p>5" Square Pole Mount with 2-3/8" O.D. Tenon No. 5SQ-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.</p> | <p>60mm(2 3/8in.) 222.5mm(8.76in.) 101.6mm(4in.) 131.86mm(5.19in.)</p> | <p>5" Round Pole Mount with 2-3/8" O.D. Tenon No. 5SOR-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.</p> |
| <p>154.5±1mm(6.08 in.) 102±1mm(4 in.) 108.6mm(4.28in.) 63mm(2.48in.)</p> | <p>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 AOL light fixtures that are equipped with a yoke mount onto a 2-3/8" OD tenon. It may be utilized with the AOL Flood Light Series of light fixtures.</p> | | |

ADDITIONAL MOUNTING ACCESSORIES

| WALL BRACKET | | Mid-Pole tenon Bracket | |
|--|---|--|---|
|  | <p>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 AOL floodlight to almost any surface: wall, roof, or wood pole. Provides wiring access and abuilt-in 2-3/8" O.D. tenon to mount a fixture with our adjustable slipfitter. Suggested 3/8" diameter bolts for mounting. Mounting holes are spaced 3-1/4" apart.</p> |  | <p>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</p> |
| Round External Mount Horizontal Tenon · To mount 2/3/4 fixtures on a existing pole | | | |
|  | <p>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</p> |  | <p>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</p> |
|  | <p>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</p> |  | <p>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</p> |
|  | <p>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</p> | | |