



FLOOD LIGHT (FD09)

Applications:

Facade, Wall Washing, Landscape lighting, Poster board lighting, Building lighting.

FEATURES

Construction:

- Die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling.
- The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life.
- All hardware is corrosion resistant stainless steel.
- Housing is completely sealed against moisture and environmental contaminants.

Optics:

- Optics(NEMA Type): 7H*7V
- Light engines are available in standard 4000 K and 5000 K (70 CRI) configurations.
- Scalable Lumen Packages from 14,900 to 52,150 Lumens replaces up to 1000W Metal Halide.
- A variety of precision-molded vacuum-metallized specular reflectors are engineered for superior target illumination, uniformity and spacing.

Electrical:

- Universal 120-277 VAC or 347-480 VAC input voltage
- Standard with 0-10V dimming driver(s)
- UL Class 2 drivers
- Both drivers have a power factor >90%, THD <20%, and an expected life of 100,000 hours.

Controls:

- Optional Photocell

Ambient Temperature:

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

Installation:

- Slipfitter, Trunnion, Yoke and Wall mount are all available.

Finish:

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



Black



Dark Bronze



Silver Gray



White

Certifications:

- UL and wet location listed.



Medium Size: 100W/150W/200W

Large Size: 300W/350W

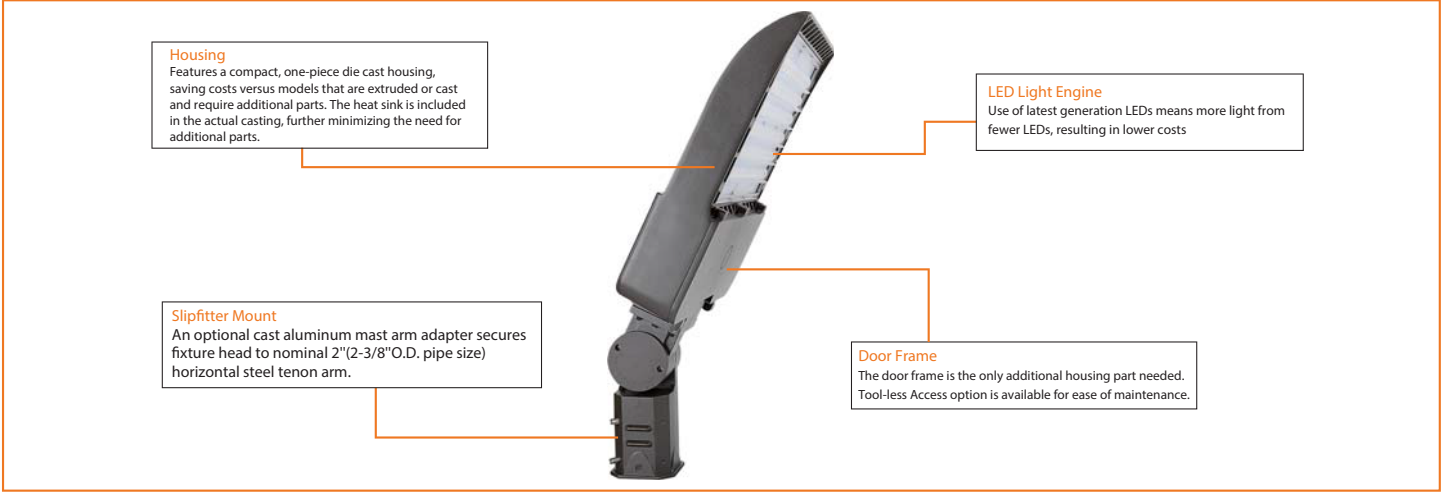


Warranty:

Alpha Omega Lighting 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	7Hx7V	14900lm	149 lm/W	14900lm	149 lm/W
150W	120-277V	7Hx7V	22000lm	147 lm/W	23000lm	153 lm/W
	347-480V		23000lm	153 lm/W	23150lm	154 lm/W
200W	120-277V	7Hx7V	28200lm	141 lm/W	28400lm	142 lm/W
	347-480V		28400lm	142 lm/W	29000lm	145 lm/W
300W	120-277V	7Hx7V	43500lm	145 lm/W	43800lm	146 lm/W
	347-480V		43800lm	146 lm/W	44100lm	147 lm/W
350W	120-277V	7Hx7V	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

MOUNTING

- Heavy duty aluminum trunnion easily adapted to many surfaces and allows easy fixture aiming angles.
- Wall Mount available for direct wall mounting and J-box mounting
- Optional for cast aluminum slipfitter mounting adapter

Mounting Options



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.

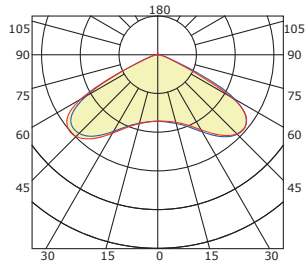


Trunnion(Yoke) Mount
Die-cast aluminum trunnion is easily adapted to many surfaces and allows easy fixture aiming angles.



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

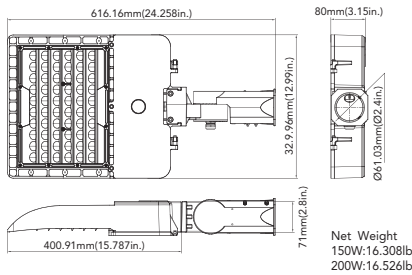
PHOTOMETRICS



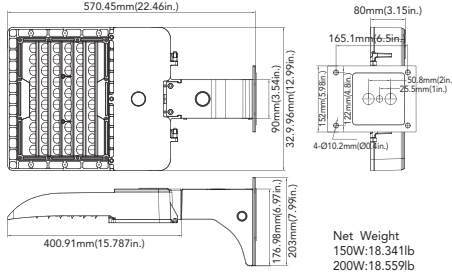
DIMENSIONS

unit: inch/mm

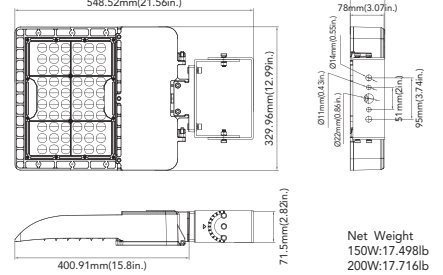
Slipfitter Mount(100W/150W&200W)



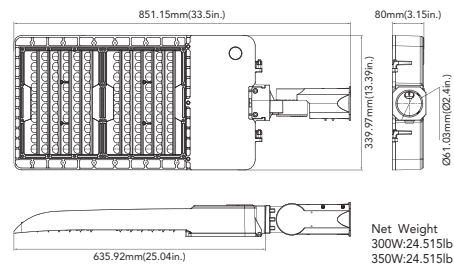
Wall Mount(100W/150W&200W)



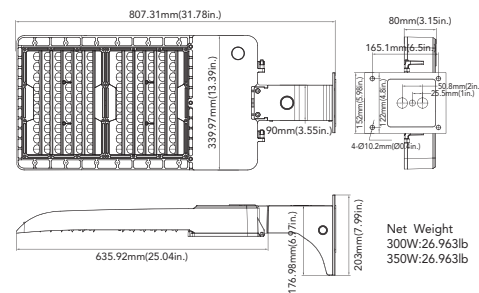
Yoke Mount(100W/150W&200W)



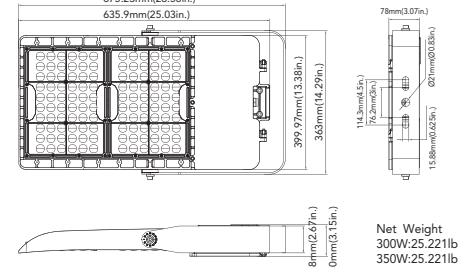
Slipfitter Mount(300W/350W)



Wall Mount(300W/350W)



Trunnion Mount(300W/350W)



ORDERING GUIDE

Example: AO-FD09-100-LV-XXX-B-Y-Y-B77-Y

Fixture Type	Wattage	Voltage	CCT	CRI	Finish	Photocell (Option)	NEMA	Mounting
AO-								
FD09 Flood Light Series	100 100W	LV 120-277V	40K 4000K	B 70CRI	D Dark Bronze	P0 120-277V Photocell	B77 7Hx7V	TR Trunnion Mount
	150 150W	HV 347-480V	50K 5000K		B Black	P3 347V Photocell		SP Slipfitter Mount
	200 200W				W White	P4 480V Photocell		WM Wall Mount
	300 300W				SG Silver Gray	Blank Without Photocell		YK Yoke Mount
	350 350W							

Note: 1. The Yoke Mount only suitable for the medium size, and the trunnion only suitable for the large size.
2. While installing photocell on flood light, the horizontal elevation angle should not exceed 15°.

MOUNTING ACCESSORIES

POLE BRACKET • For mounting one fixture on an existing pole			
	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.		4" Round Pole Mount with 2-3/8" O.D. Tenon NO. 4SQR-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. 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.		5" Round Pole Mount with 2-3/8" O.D. Tenon NO. 5SQR-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-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 Alpha Omega Lighting Flood Light Series of light fixtures.		
WALL BRACKET • Attaches to any flat surface • Provides wiring access		Mid-Pole tenon 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 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.		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 an 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 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		