



# FLOOD LIGHT(FD07)

## Applications:

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

## FEATURES

### Construction:

- Rugged one-piece, die-cast aluminum housing with durable dark bronze power coat finish 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:

- Light engines are available in standard 3000K- 4000 K and 5000 K (70 CRI) configurations.
- Scalable Lumen Packages from 5,450 to 40,800 Lumens
- LED drivers are mounted to removable tray assembly for ease of maintenance.
- 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.
- Optics create consistent distributions with the scalability to meet customized application requirements

### Electrical:

- Universal 120-277 VAC or 347-480 VAC input voltage
- Standard with 1-10V dimming driver(s)
- THD: ≤20%
- Power Factor: ≥90%

### Controls:

- Optional Photocell

### Ambient Temperature:

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

### Installation:

- Yoke, slipfitter and wall mount are available

### 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



Small Size:  
40W/70W/100W

Medium Size:  
150W/200W

Large Size:  
250W/300W

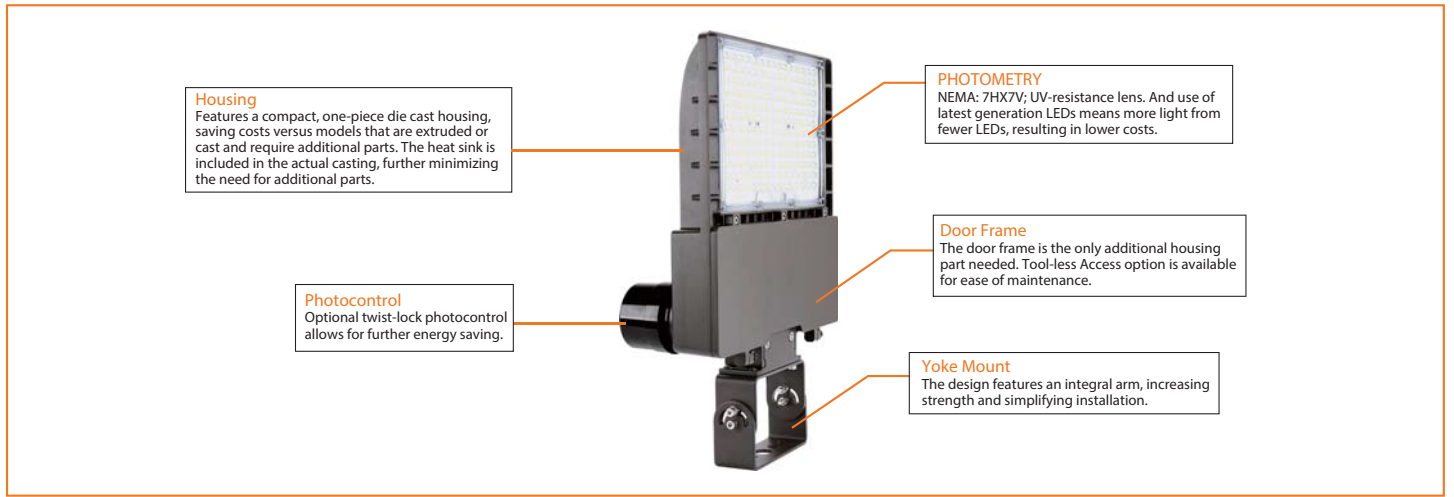


### Warranty:

AOL warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) 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	NEMA	LUMENS	LPW	LUMENS	LPW
40W	120-277V	7Hx7V	5600lm	140 lm/W	5720lm	143 lm/W
45W	347-480V	7Hx7V	6120lm	136 lm/W	6210lm	138 lm/W
70W	120-277V	7Hx7V	9730lm	139 lm/W	9800lm	140 lm/W
75W	347-480V	7Hx7V	10200lm	136 lm/W	10350lm	138 lm/W
100W	120-277V	7Hx7V	13800lm	138 lm/W	13900lm	139 lm/W
150W	120-277V	7Hx7V	20500lm	137 lm/W	20800lm	139 lm/W
	347-480V	7Hx7V	21000lm	140 lm/W	21000lm	140 lm/W
200W	120-277V	7Hx7V	25500lm	128 lm/W	26000lm	130 lm/W
	347-480V	7Hx7V	25500lm	128 lm/W	26000lm	130 lm/W
250W	120-277V	7Hx7V	34750lm	139 lm/W	35250lm	141 lm/W
	347-480V	7Hx7V	34750lm	139 lm/W	35250lm	141 lm/W
300W	120-277V	7Hx7V	40500lm	135 lm/W	41000lm	137 lm/W
	347-480V	7Hx7V	41500lm	138 lm/W	42000lm	140 lm/W

## ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	980	40	120	0.33
		40	208	0.19
		40	240	0.17
		40	277	0.14
		45	347	0.13
		45	480	0.09
1	1720	70	120	0.58
		70	208	0.34
		70	240	0.29
		70	277	0.25
		75	347	0.22
		75	480	0.16
1	2450	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	6400	250	120	2.08
		250	208	1.20
		250	240	1.04
		250	277	0.90
		250	347	0.72
		250	480	0.52
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

# 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.

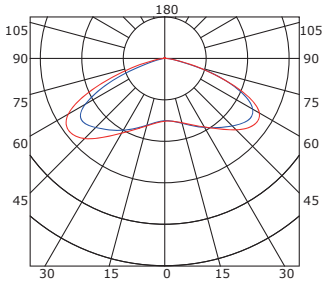


**Yoke Mount**  
Die-cast aluminum trunnion is easily adapted to many surfaces and allows easy fixture aiming angles.



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

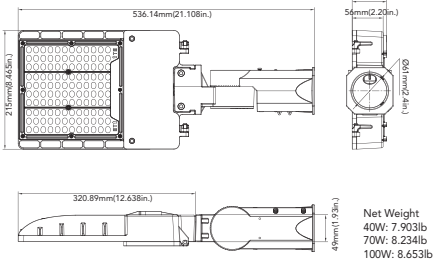
# PHOTOMETRICS



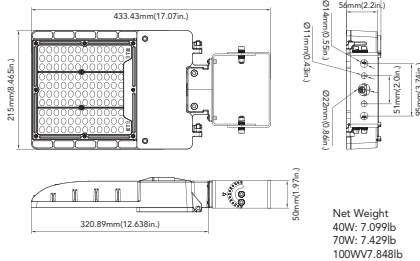
# DIMENSIONS

unit: inch/mm

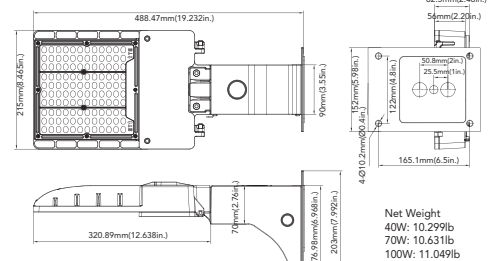
### 40W/70W/100W (Slipfitter Mount)



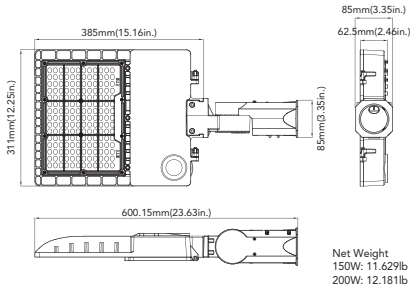
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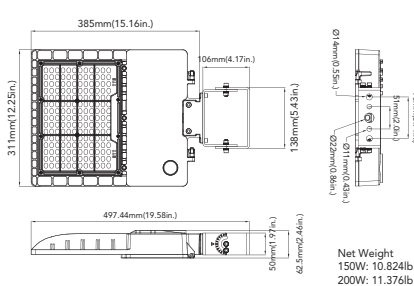
### 40W/70W/100W (Wall Mount)



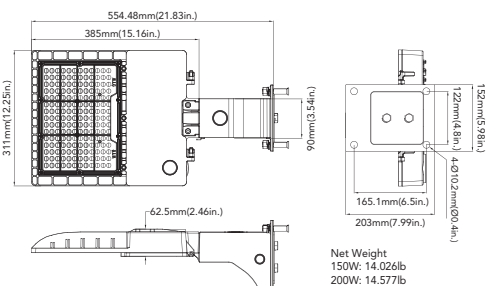
### 150W/200W (Slipfitter Mount)



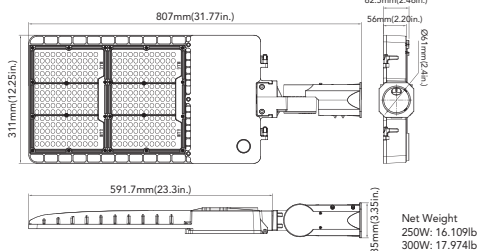
### 150W/200W (Yoke Mount)



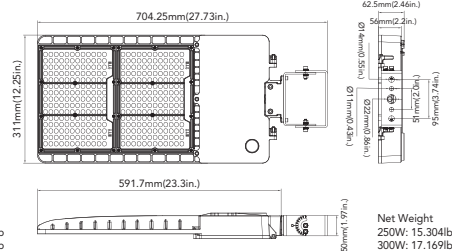
### 150W/200W (Wall Mount)



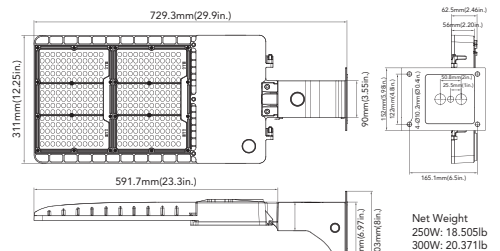
### 250W/300W (Slipfitter Mount)



### 250W/300W (Yoke Mount)



### 250W/300W (Wall Mount)



# ORDERING GUIDE

Example: AO-FD07-40-LV-XXK-B-Y-Y-B77-Y-Y

Fixture Type	Wattage	Voltage	CCT	CRI	Finish	Photocell (Option)	Nema	Mounting	Surge Protection (Option)
AO- <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>FD07</b> Flood Light Series	<b>40</b> 40W	<b>LV</b> 120-277V	<b>40K</b> 4000K	<b>B</b> 70CRI	<b>D</b> Dark Bronze	<b>P0</b> 120-277V Photocell	<b>B77</b> 7Hx7V	<b>YK</b> Yoke Mount	<b>S</b> Surge protection
	<b>45</b> 45W	<b>HV</b> 347-480V	<b>50K</b> 5000K		<b>B</b> Black	<b>P3</b> 347V Photocell		<b>SP</b> Slipfitter Mount	<b>(Blank)</b> No Surge protection
	<b>70</b> 70W				<b>W</b> White	<b>P4</b> 480V Photocell		<b>WM</b> Wall Mount	
	<b>75</b> 75W				<b>SG</b> Silver Gray	<b>Blank</b> Without Photocell			
	<b>100</b> 100W								

Note: 1. 100W is limited to 120-277V input only.  
 2. The Watt is 40W when the voltage is 120-277V, while when it is 347-480V, the watt is 45W.  
 3. The Watt is 70W when the voltage is 120-277V, while when it is 347-480V, the watt is 75W.  
 4. While installing photocell on flood light, the horizontal elevation angle should not exceed 15°.

Example: AO-FD07-150-LV-XXK-B-Y-Y-B77-Y-Y






Fixture Type	Wattage	Voltage	CCT	CRI	Finish	Photocell (Option)	Nema	Mounting
AO- <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>FD07</b> Flood Light Series	<b>150</b> 150W	<b>LV</b> 120-277V	<b>40K</b> 4000K	<b>B</b> 70CRI	<b>D</b> Dark Bronze	<b>P0</b> 120-277V Photocell	<b>B77</b> 7Hx7V	<b>YK</b> Yoke Mount
	<b>200</b> 200W	<b>HV</b> 347-480V	<b>50K</b> 5000K		<b>B</b> Black	<b>P3</b> 347V Photocell		<b>SP</b> Slipfitter Mount
	<b>250</b> 250W				<b>W</b> White	<b>P4</b> 480V Photocell		<b>WM</b> Wall Mount
	<b>300</b> 300W				<b>SG</b> Silver Gray	<b>Blank</b> Without Photocell		

## MOUNTING ACCESSORIES

POLE BRACKET • For mounting one fixture on an existing pole			
	<p><b>4" Square Pole Mount with 2-3/8" O.D. Tenon</b>                      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><b>4" Round Pole Mount with 2-3/8" O.D. Tenon</b>                      NO. 4RQ-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><b>5" Square Pole Mount with 2-3/8" O.D. Tenon</b>                      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><b>5" Round Pole Mount with 2-3/8" O.D. Tenon</b>                      NO. 5RQ-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><b>Pole Bracket accessories-Tenon &amp; Yoke Adaptor</b>                      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>		
WALL BRACKET • Attaches to any flat surface • Provides wiring access		Mid-Pole tenon Bracket	
	<p><b>90° Wall Mount Bracket with 2-3/8" O.D. Tenon</b>                      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 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.</p>		<p><b>2-3/8" OD Horizontal Tenon Mid-Pole Bracket</b>                      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</p>

# ADDITIONAL MOUNTING ACCESSORIES

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

	<p><b>Double 90° Horizontal Tenon Adaptor</b>            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><b>Triple 120° Horizontal Tenon Adaptor</b>            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><b>Double 180° Horizontal Tenon Adaptor</b>            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><b>Quad 90° Horizontal Tenon Adaptor</b>            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><b>Triple 90° Horizontal Tenon Adaptor</b>            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>		