

# FLOOD LIGHT(ORLMFD05)

# OMNI-RAY LIGHTING™

## Applications:

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

## Features

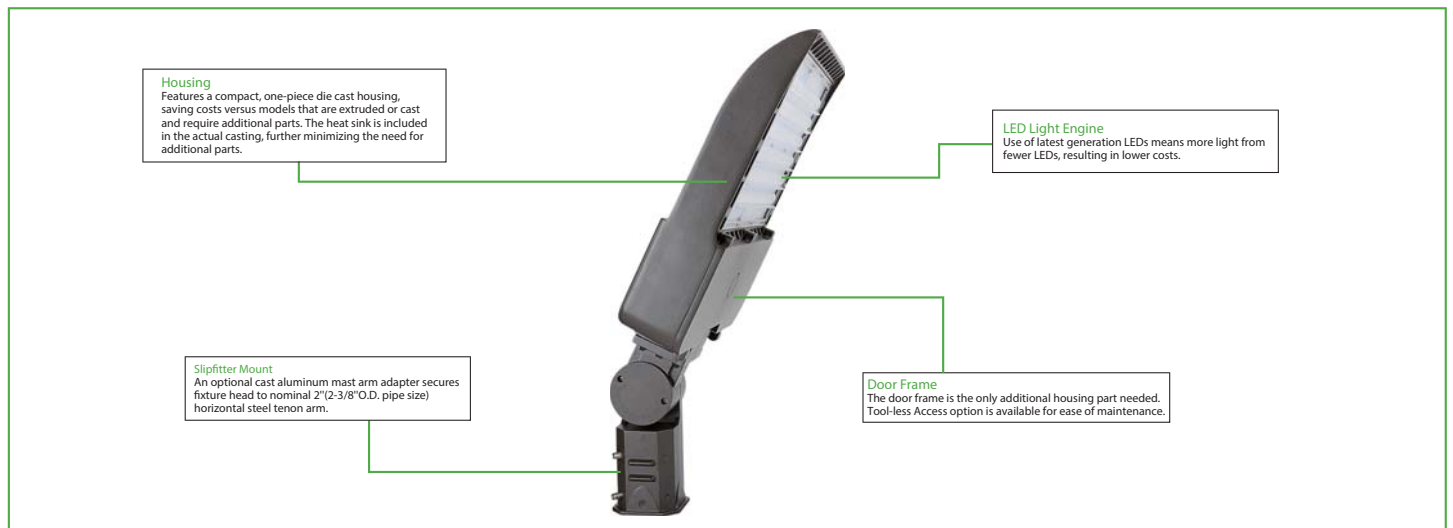
- The one piece die-cast aluminum housing with UV resistant polycarbonate optical lens, outstanding corrosion protection.
- Lumen output 21000-42300lm with efficacy to 141lm/W
- Available with wall mount or trunnion(YOKE) or slipfitter mounting kit
- Increase energy savings with photocell.
- Voltage is 120-277V / 347V-480V and support 1-10V dimmable
- Suitable for use in ambients from -40°C to 45 °C (-40 °F to 113 °F)
- Expected service life is over 100,000 hrs and 10 year limited warranty
- UL Wet location and DLC premium listed



Medium Size: 150W/200W



Large Size: 250W/300W



# PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	DIST.TYPE	4000K(70CRI)		5000K(70CRI)	
			LUMENS	LPW	LUMENS	LPW
150W	120-277V	7Hx7V	21000lm	140 lm/W	21150lm	141 lm/W
200W	120-277V	7Hx7V	27000lm	135 lm/W	27200lm	136 lm/W
250W	120-277V	7Hx7V	35000lm	140 lm/W	35250lm	141 lm/W
300W	120-277V	7Hx7V	42000lm	140 lm/W	42300lm	141 lm/W

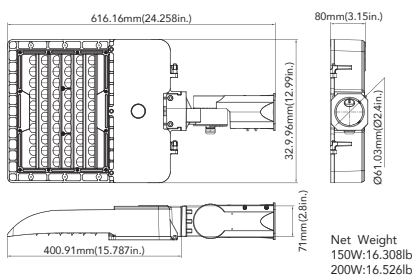
# ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
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

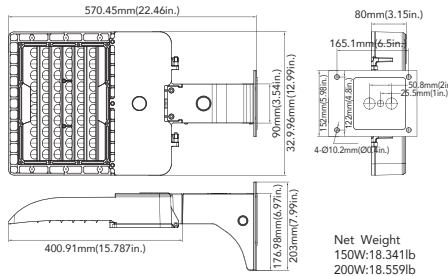
# DIMENSION

unit: inch/mm

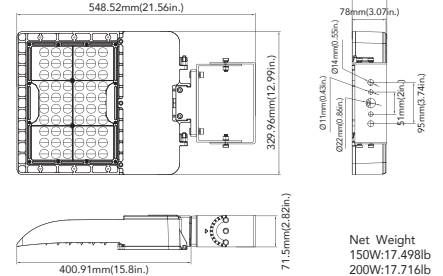
## Slipfitter Mount(150W&200W)



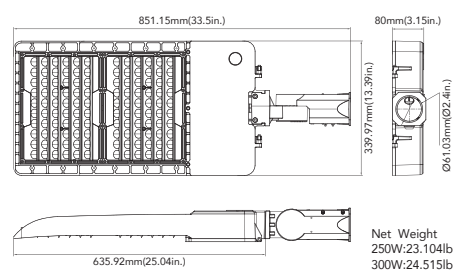
## Wall Mount(150W&200W)



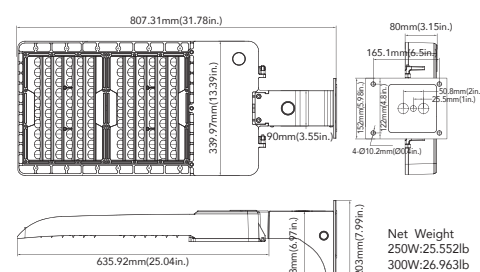
## Yoke Mount(150W&200W)



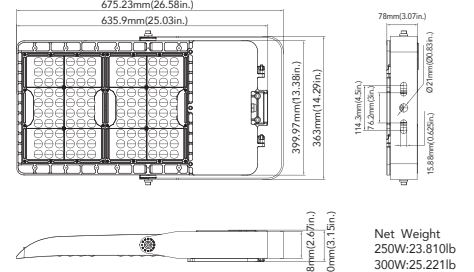
## Slipfitter Mount(250W&300W)



## Wall Mount(250W&300W)



## Trunnion Mount(250W&300W)



# 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 2-3/8" O.D. horizontal steel tenon arm.

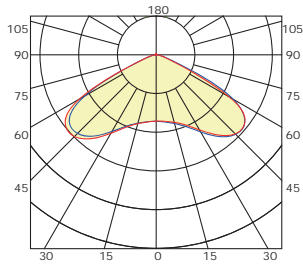


**Trunnion(Yoke) Mount**  
Die-cast aluminum trunnion is easily adapted to many surfaces and allows easy fixture aiming angles.



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

# PHOTOMETRICS



## ORDERING GUIDE

Example: MFD05 150W 27V XXK Y Y Y Y Y

Fixture Type	Wattage	Voltage	CCT	CRI	Finish	Photocell (Option)	NEMA	Mounting
<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>MFD05</b> Flood Light	<b>150</b> 150W <b>200</b> 200W <b>250</b> 250W <b>300</b> 300W	<b>27V</b> 120-277V <b>48V</b> 347-480V	<b>40K</b> 4000K <b>50K</b> 5000K	<b>B</b> 70CRI	<b>D</b> Dark Bronze <b>B</b> Black <b>W</b> White <b>SG</b> Silver Gray	<b>P0</b> 120-277V Photocell <b>P3</b> 347V Photocell <b>P4</b> 480V Photocell <b>Blank</b> Without Photocell	<b>B77</b> 7Hx7V	<b>TR</b> Trunnion Mount <b>SP</b> Slipfitter Mount <b>WM</b> Wall Mount <b>YK</b> Yoke Mount

Note: 1. Input voltage may vary depends on photocell configuration  
2. While installing photocell on flood light, the horizontal elevation angle should not exceed 15°.

# ADDITIONAL 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. 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.</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. 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.</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 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.</p>		

# ADDITIONAL MOUNTING ACCESSORIES

WALL BRACKET		Mid-Pole tenon Bracket		
<ul style="list-style-type: none"> <li>Attaches to any flat surface</li> <li>Provides wiring access</li> </ul>			<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 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.</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 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><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>			

## DLC Model NO.

SYSTEM WATTS	VOLTAGE	CCT	NEMA	DLC NO.	DLC Classification
150W	120-277V	4000K	7Hx7V	ORLMFD05150W27V40KB[D,B,W,SG][Blank,P0]B77[TR,SP,WM,YK]	Premium
		5000K	7Hx7V	ORLMFD05150W27V50KB[D,B,W,SG][Blank,P0]B77[TR,SP,WM,YK]	Premium
	347-480V	4000K	7Hx7V	ORLMFD05150W48V40KB[D,B,W,SG][Blank,P3,P4]B77[TR,SP,WM,YK]	Premium
		5000K	7Hx7V	ORLMFD05150W48V50KB[D,B,W,SG][Blank,P3,P4]B77[TR,SP,WM,YK]	Premium
200W	120-277V	4000K	7Hx7V	ORLMFD05200W27V40KB[D,B,W,SG][Blank,P0]B77[TR,SP,WM,YK]	Premium
		5000K	7Hx7V	ORLMFD05200W27V50KB[D,B,W,SG][Blank,P0]B77[TR,SP,WM,YK]	Premium
	347-480V	4000K	7Hx7V	ORLMFD05200W48V40KB[D,B,W,SG][Blank,P3,P4]B77[TR,SP,WM,YK]	Premium
		5000K	7Hx7V	ORLMFD05200W48V50KB[D,B,W,SG][Blank,P3,P4]B77[TR,SP,WM,YK]	Premium
250W	120-277V	4000K	7Hx7V	ORLMFD05250W27V40KB[D,B,W,SG][Blank,P0]B77[TR,SP,WM,YK]	Premium
		5000K	7Hx7V	ORLMFD05250W27V50KB[D,B,W,SG][Blank,P0]B77[TR,SP,WM,YK]	Premium
	347-480V	4000K	7Hx7V	ORLMFD05250W48V40KB[D,B,W,SG][Blank,P3,P4]B77[TR,SP,WM,YK]	Premium
		5000K	7Hx7V	ORLMFD05250W48V50KB[D,B,W,SG][Blank,P3,P4]B77[TR,SP,WM,YK]	Premium
300W	120-277V	4000K	7Hx7V	ORLMFD05300W27V40KB[D,B,W,SG][Blank,P0]B77[TR,SP,WM,YK]	Premium
		5000K	7Hx7V	ORLMFD05300W27V50KB[D,B,W,SG][Blank,P0]B77[TR,SP,WM,YK]	Premium
	347-480V	4000K	7Hx7V	ORLMFD05300W48V40KB[D,B,W,SG][Blank,P3,P4]B77[TR,SP,WM,YK]	Premium
		5000K	7Hx7V	ORLMFD05300W48V50KB[D,B,W,SG][Blank,P3,P4]B77[TR,SP,WM,YK]	Premium