



Applications:

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

Features

- The one piece die-cast aluminum housing with UV resistant polycarbonate optical lens, outstanding corrosion protection.
- Lumen output 19500-42300lm with efficacy to 141lm/W.
- Various distribution patterns including Type III and Type IV and Type V
- Suitable for mounting heights ranging from 26-40' in area lighting applications
- Round pole, Square pole, slipfitter and wall mount
- Optional for photocell. Increase energy savings with bi-level motion sensor
- Voltage is 120-277V / 347V-480V and support 1-10V dimmable
- Fixtures are 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 listed and DLC premium qualified

Medium Size: 150W/200W



Large Size: 250W/300W



Housing

Features a compact, one-piece die cast housing, saving costs versus models that are extruded or cast and require additional parts. The heat sink is included in the actual casting, further minimizing the need for additional parts.

Photocontrol

Optional photocontrol allows for further energy saving.

Standard Arm Mount

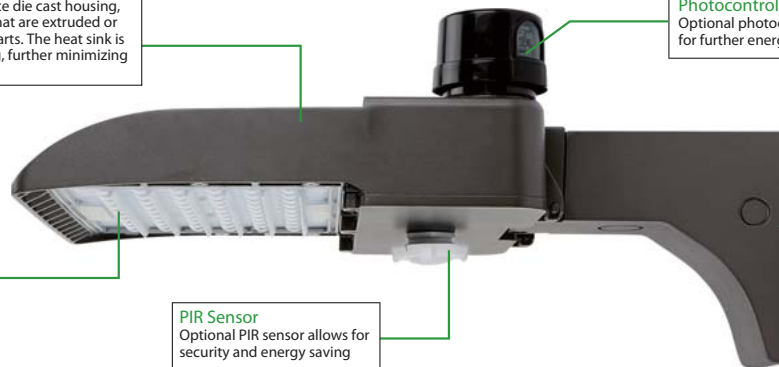
The design features an integral arm, increasing strength and simplifying installation.

PHOTOMETRY

Optional Type III or type IV or type V Photometry as per applications.

PIR Sensor

Optional PIR sensor allows for security and energy saving



CAT#:

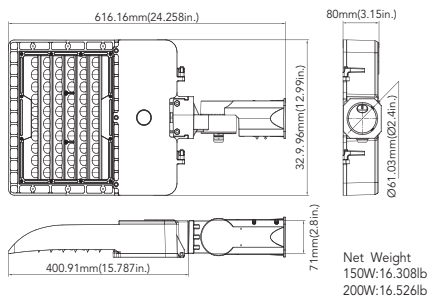
PERFORMANCE DATA

SYSTEM WATTS	DIST. TYPE	4000K(70CRI)					5000K(70CRI)				
		LUMENS	LPW	B	U	G	LUMENS	LPW	B	U	G
150W	3	19500lm	130 lm/W	3	0	2	19700lm	131 lm/W	3	0	2
	4	18800lm	125 lm/W	3	0	3	18800lm	125 lm/W	3	0	3
	5	21000lm	140 lm/W	4	0	2	21150lm	141 lm/W	4	0	2
200W	3	26000lm	130 lm/W	3	0	2	26200lm	131 lm/W	3	0	2
	4	25000lm	125 lm/W	3	0	3	25000lm	125 lm/W	3	0	3
	5	27000lm	135 lm/W	4	0	2	27200lm	136 lm/W	4	0	2
250W	3	33000lm	132 lm/W	4	0	3	33250lm	133 lm/W	4	0	3
	4	30000lm	120 lm/W	4	0	3	30500lm	122 lm/W	4	0	3
	5	35000lm	140 lm/W	5	0	2	35250lm	141 lm/W	5	0	2
300W	3	39000lm	130 lm/W	4	0	3	39300lm	131 lm/W	4	0	3
	4	36000lm	120 lm/W	4	0	4	37000lm	123 lm/W	4	0	4
	5	42000lm	140 lm/W	5	0	2	42300lm	141 lm/W	5	0	2

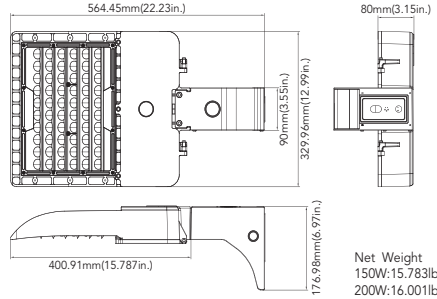
DIMENSION

unit: inch/mm

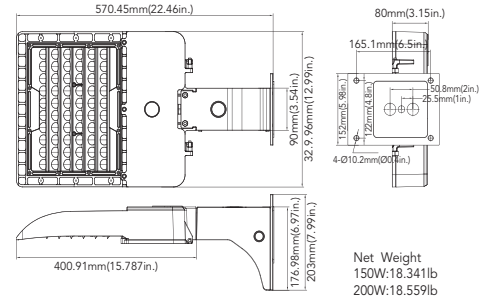
Slipfitter Mount(150W&200W)



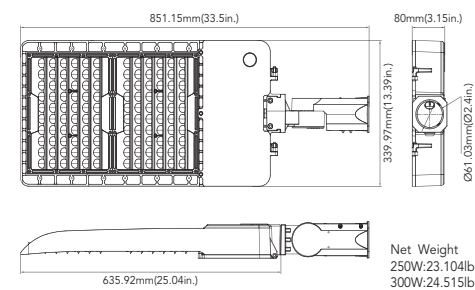
Pole Mount(150W&200W)



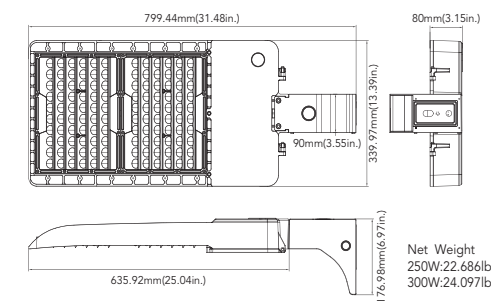
Wall Mount(150W&200W)



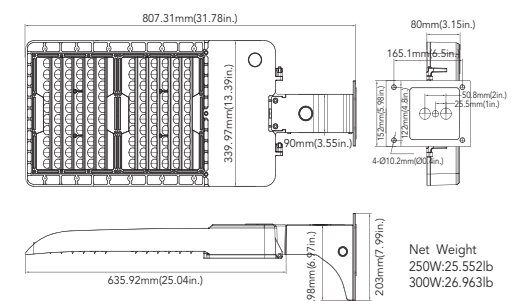
Slipfitter Mount(250W&300W)



Pole Mount(250W&300W)



Wall Mount(250W&300W)



CAT#:

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 MESTER 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.

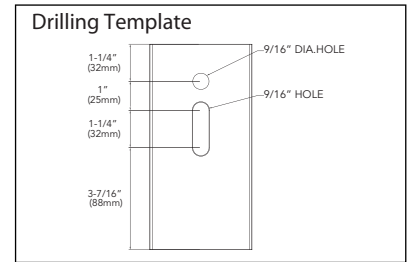
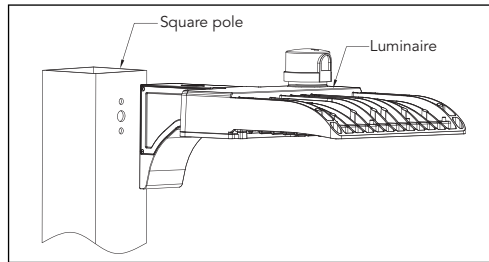
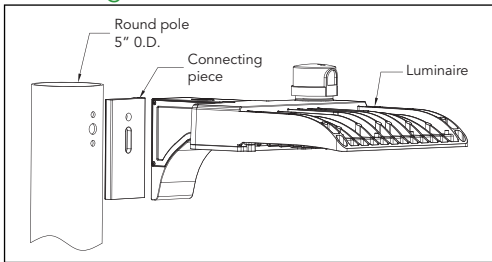


Slipfitter Mount An optional cast aluminum mast arm adapter secures fixture head to nominal 2"(2-3/8"O.D. pipe size) horizontal steel tenon arm.



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

Mounting Dimensions



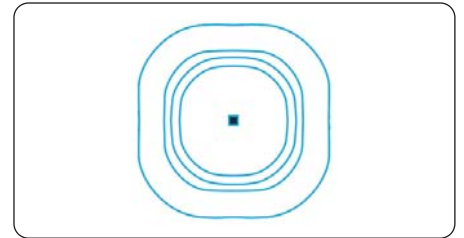
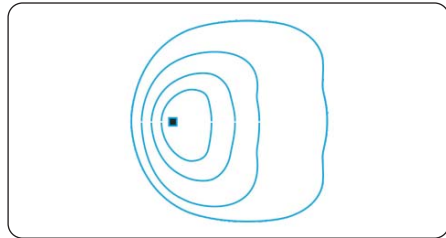
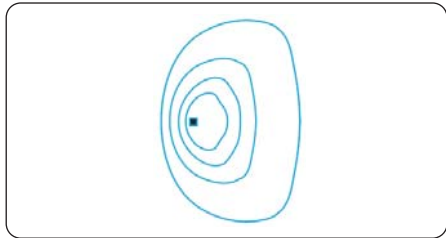
PHOTOMETRICS

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: 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



## EPA OF AREA LIGHT

Item							
	1	2 @90°	2 @120°	2@180°	3 @90°	3 @120°	4 @90°
150W/200W	0.4418	0.7145	0.8813	0.8836	1.0548	1.0135	1.0548
250W/300W	0.5614	0.8471	1.105	1.1228	1.294	1.2503	1.294

## ORDERING GUIDE

Example: MAL02 150W 27V XXK Y Y Y Y Y

Fixture Type	Wattage	Voltage	CCT	Finish	Photocell (Option)	Sensor (Option)	Mounting	Photometry
<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"/>
<b>MAL02</b> Area Light Series	<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>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>M</b> With 120-277V Sensor <b>Blank</b> Without Sensor	<b>SQ</b> Square Pole Mount <b>SP</b> Slipfitter Mount <b>WM</b> Wall Mount	<b>T3</b> TYPE III Photometry <b>T4</b> TYPE IV Photometry <b>T5</b> TYPE V Photometry

Note: Input voltage may vary depends on photocell(sensor) configuration

## BACKLIGHT CONTROL ACCESSORIES

<p><b>Backlight Control</b> NO. SC-AL01-100W-BA USE: It will reduce the light spill behind the pole. Finish: Black Only suitable for 70W and 105W.</p>	<p><b>Backlight Control</b> NO. SC-AL01-150W-BA USE: It will reduce the light spill behind the pole. Finish: Black Only suitable for 150W to 300W.</p>



CAT#:

DLC Model NO.

SYSTEM WATTS	VOLTAGE	CCT	DIST.TYPE	DLC NO.	DLC Classification
150	120-277V	4000K	3	MAL02150W27V40K[D,B,W,SG][Blank,P0][Blank,M][SQ,SP,WM]T3	Premium
		5000K	3	MAL02150W27V50K[D,B,W,SG][Blank,P0][Blank,M][SQ,SP,WM]T3	Premium
		4000K	5	MAL02150W27V40K[D,B,W,SG][Blank,P0][Blank,M][SQ,SP,WM]T5	Premium
		5000K	5	MAL02150W27V50K[D,B,W,SG][Blank,P0][Blank,M][SQ,SP,WM]T5	Premium
	347-480V	4000K	3	MAL02150W48V40K[D,B,W,SG][Blank,P3,P4][Blank,M][SQ,SP,WM]T3	Premium
		5000K	3	MAL02150W48V50K[D,B,W,SG][Blank,P3,P4][Blank,M][SQ,SP,WM]T3	Premium
		4000K	5	MAL02150W48V40K[D,B,W,SG][Blank,P3,P4][Blank,M4][SQ,SP,WM]T5	Premium
		5000K	5	MAL02150W48V50K[D,B,W,SG][Blank,P3,P4][Blank,M4][SQ,SP,WM]T5	Premium
200W	120-277V	4000K	3	MAL02200W27V40K[D,B,W,SG][Blank,P0][Blank,M][SQ,SP,WM]T3	Premium
		5000K	3	MAL02200W27V50K[D,B,W,SG][Blank,P0][Blank,M][SQ,SP,WM]T3	Premium
		4000K	5	MAL02200W27V40K[D,B,W,SG][Blank,P0][Blank,M][SQ,SP,WM]T5	Premium
		5000K	5	MAL02200W27V50K[D,B,W,SG][Blank,P0][Blank,M][SQ,SP,WM]T5	Premium
	347-480V	4000K	3	MAL02200W48V40K[D,B,W,SG][Blank,P3,P4][Blank,M][SQ,SP,WM]T3	Premium
		5000K	3	MAL02200W48V50K[D,B,W,SG][Blank,P3,P4][Blank,M][SQ,SP,WM]T3	Premium
		4000K	5	MAL02200W48V40K[D,B,W,SG][Blank,P3,P4][Blank,M4][SQ,SP,WM]T5	Premium
		5000K	5	MAL02200W48V50K[D,B,W,SG][Blank,P3,P4][Blank,M4][SQ,SP,WM]T5	Premium
250W	120-277V	4000K	3	MAL02250W27V40K[D,B,W,SG][Blank,P0][Blank,M][SQ,SP,WM]T3	Premium
		5000K	3	MAL02250W27V50K[D,B,W,SG][Blank,P0][Blank,M][SQ,SP,WM]T3	Premium
		4000K	5	MAL02250W27V40K[D,B,W,SG][Blank,P0][Blank,M][SQ,SP,WM]T5	Premium
		5000K	5	MAL02250W27V50K[D,B,W,SG][Blank,P0][Blank,M][SQ,SP,WM]T5	Premium
	347-480V	4000K	3	MAL02250W48V40K[D,B,W,SG][Blank,P3,P4][Blank,M4][SQ,SP,WM]T3	Premium
		5000K	3	MAL02250W48V50K[D,B,W,SG][Blank,P3,P4][Blank,M4][SQ,SP,WM]T3	Premium
		4000K	5	MAL02250W48V40K[D,B,W,SG][Blank,P3,P4][Blank,M4][SQ,SP,WM]T5	Premium
		5000K	5	MAL02250W48V50K[D,B,W,SG][Blank,P3,P4][Blank,M4][SQ,SP,WM]T5	Premium
300W	120-277V	4000K	3	MAL02300W27V40K[D,B,W,SG][Blank,P0][Blank,M][SQ,SP,WM]T3	Premium
		5000K	3	MAL02300W27V50K[D,B,W,SG][Blank,P0][Blank,M][SQ,SP,WM]T3	Premium
		4000K	5	MAL02300W27V40K[D,B,W,SG][Blank,P0][Blank,M][SQ,SP,WM]T5	Premium
		5000K	5	MAL02300W27V50K[D,B,W,SG][Blank,P0][Blank,M][SQ,SP,WM]T5	Premium
	347-480V	4000K	3	MAL02300W48V40K[D,B,W,SG][Blank,P3,P4][Blank,M4][SQ,SP,WM]T3	Premium
		5000K	3	MAL02300W48V50K[D,B,W,SG][Blank,P3,P4][Blank,M4][SQ,SP,WM]T3	Premium
		4000K	5	MAL02300W48V40K[D,B,W,SG][Blank,P3,P4][Blank,M4][SQ,SP,WM]T5	Premium
		5000K	5	MAL02300W48V50K[D,B,W,SG][Blank,P3,P4][Blank,M4][SQ,SP,WM]T5	Premium