



## 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.
- Voltage is 120-277V & 347/480V
- Suitable for mounting heights ranging from 18-36' in area lighting applications
- Lumen output from 9000-40000lm with efficacy up to 130lm/W.
- Round pole and square pole mounting, direct wall mounting, slipfitter mounting options available
- Long lasting with lifespan 50,000 hrs
- Fixtures are IP66 rated and suitable for use in ambients from -40 °C to 45 °C (-40 °F to 113 °F).
- Various distribution patterns including Type III and Type IV and Type V
- UL Wet location listed and DLC qualified

Small Size: 70W/105W



Medium Size: 150W/200W



Large Size: 250W/300W



**Photocontrol**  
Optional photocontrol allows for further energy saving.

**Standard Arm Mount**  
The design features an integral arm, increasing strength and simplifying installation.

**PIR Sensor**  
Optional PIR sensor allows for security and energy saving

**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.






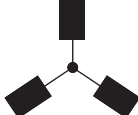

**LED Light Engine**  
IP66 rated LED light engine eliminates the need for a glass lens for maximum light output. Use of latest generation LEDs means more light from fewer LEDs, resulting in lower costs.



PERFORMANCE DATA

		4000K(70CRI)					5000K(70CRI)				
SYSTEM WATTS	DIST.TYPE	LUMENS	LPW	B	U	G	LUMENS	LPW	B	U	G
70W	3	9000lm	129 lm/W	2	3	2	9000lm	129 lm/W	2	3	2
	5	9500lm	136 lm/W	3	3	1	9500lm	136 lm/W	3	3	1
105W	3	13400lm	128 lm/W	3	2	2	13400lm	128 lm/W	3	2	2
	5	13400lm	128 lm/W	3	2	1	13400lm	128 lm/W	3	2	1
150W	3	20000lm	133 lm/W	3	2	2	20000lm	133 lm/W	3	2	2
	4	19000lm	126 lm/W	3	2	3	19000lm	126 lm/W	3	2	3
	5	20500lm	137 lm/W	4	2	2	21000lm	140 lm/W	4	2	2
200W	3	24500lm	123 lm/W	3	2	2	24500lm	123 lm/W	3	2	2
	4	23500lm	118 lm/W	3	2	3	23500lm	118 lm/W	3	2	3
	5	24500lm	123 lm/W	4	2	2	24500lm	123 lm/W	4	2	2
250W	3	33000lm	132 lm/W	4	2	3	33000lm	132 lm/W	4	2	3
	4	32000lm	128 lm/W	4	2	4	32000lm	128 lm/W	4	2	4
	5	35000lm	140 lm/W	5	2	2	36500lm	146 lm/W	5	2	2
300W	3	38000lm	127 lm/W	4	2	3	39000lm	130 lm/W	4	2	3
	4	36000lm	120 lm/W	4	2	4	36000lm	120 lm/W	4	2	4
	5	40000lm	133 lm/W	5	2	2	40000lm	133 lm/W	5	2	2

EPA OF AREA LIGHT

Item							
	1	2 @90°	2 @120°	2@180°	3 @90°	3 @120°	4 @90°
70W/105W	0.626	0.705	0.971	0.981	0.982	0.975	0.982
150W/200W	0.667	0.742	1.162	1.165	1.167	1.163	1.167
250W/300W	0.847	0.996	1.629	1.634	1.636	1.632	1.636

ELECTRICAL DATA

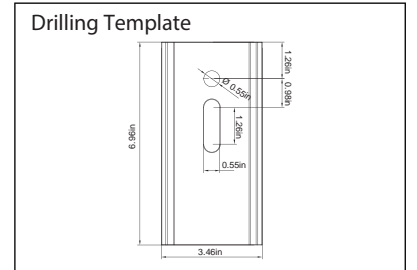
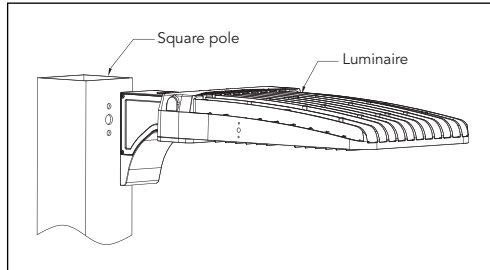
Number Of Drivers	Driver Current (Amps)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	1750	70	120	0.58
		70	208	0.34
		70	240	0.29
		70	277	0.25
		75	347	0.22
		75	480	0.16
1	2600	105	120	0.88
		105	208	0.50
		105	240	0.44
		105	277	0.38
		110	347	0.32
		110	480	0.23
1	3800	150	120	1.25
		150	208	0.72
		150	240	0.63
		150	277	0.54
		150	347	0.43
		150	480	0.31
1	4900	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
2	7700	300	120	2.50
		300	208	1.44
		300	240	1.25
		300	277	1.08
		300	347	0.86
		300	480	0.63

- 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)



Diagram illustrating the luminaire assembly components:

- Round pole 5" O.D.
- Connecting piece
- Luminaire



Technical drawing of the 1000W LED light fixture showing front and side views with dimensions:

- Front View Dimensions:
  - Overall Width: 285.9mm (11.26 in.)
  - Mounting Arm Width: 152mm (5.98 in.)
  - Mounting Arm Thickness: 9mm (3.54 in.)
  - Mounting Arm Length: 457.5mm (18 in.)
  - Mounting Arm Diameter: 203mm (7.99 in.)
- Side View Dimensions:
  - Mounting Arm Diameter: 78mm (3.07 in.)

Technical drawing of the 1000mm x 1000mm square table. The drawing includes a top view and a side view. The top view shows a square table with a central rectangular area containing a grid of small circles, likely representing a top or bottom panel. Dimensions for the top view include: overall width 540.48mm (21.28in), overall height 207.91mm (8.19in), inner width 280.91mm (11.06in), inner height 280.91mm (11.06in), and a central rectangular area of 176.96mm (6.97in) by 70mm (2.76in). The side view shows the table's profile, with a total height of 203mm (7.99in) and a base width of 176.96mm (6.97in). The table has a thick, dark-colored top and a lighter-colored base.

[illegible]

Technical drawing of the 1000 Series LED strip light showing top and side views with dimensions:

- Top View Dimensions:**
  - Overall width: 285.9mm (11.256in.)
  - Mounting hole diameter: 15mm
  - LED chip pitch: 1.5mm
  - LED chip width: 1.5mm
- Side View Dimensions:**
  - Overall height: 17.5mm (0.689in.)
  - Mounting hole diameter: 7.8mm (3.07in.)
  - Mounting hole offset: 46.8mm (1.845in.)

[illegible]

The technical drawing illustrates the dimensions of the ECLIPSE 6000 system across three views:

- Side Elevation (Top View):** Shows the profile of the system with a total width of 285.9 mm (11.256 in.). The height of the main body is 314.3 mm (12.37 in.), and the height of the lower section is 451 mm.
- Top Plan (Bottom View):** Shows the system's footprint with a total length of 501.2 mm (19.732 in.). The distance between the two main vertical sections is 78 mm (3.07 in.).
- Front Elevation (Right View):** Shows the depth of the system, which is 451 mm.

Technical drawings of the 1000 Series LED strip light showing top, side, and end views with dimensions:

- Top View:**
  - Overall width: 28.00 mm (1.10 in)
  - Overall height: 314.50 mm (12.34 in)
  - Internal width: 207.91 mm (8.19 in)
  - Internal height: 589.2 mm (23.2 in)
  - Mounting holes: 5.1 mm (0.2 in) diameter
- Side View:**
  - Height: 78 mm (3.07 in)
  - Width: 70 mm (2.76 in)
- End View:**
  - Length: 330.00 mm (13.0 in)

Net Weight  
250W:26.26lb  
300W:26.96lb

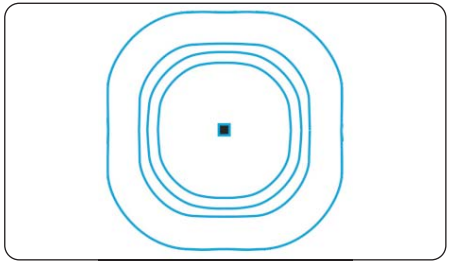
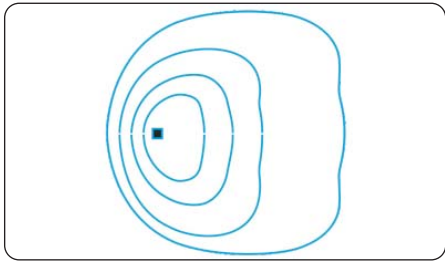
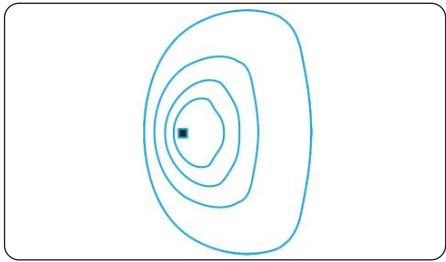
PHOTOMETRICS

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

Type 4:  
Type 4 is suitable for applications where light is primarily required forward, and minimal backlight is

Type 5:  
Type 5 optics produce a symmetrical square pattern that distributes light equally on all sides of the luminaire. Type 5 luminaires



ORDERING GUIDE

Fixture Type	Wattage	Voltage	CCT	Finish	Photocell (Option)	Sensor (Option)	Mounting	Photometry	Surge Protection (Option)
<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"/>
KPL	70 70W	27V 120-277V	40K 4000K	D Dark Bronze	P0 120-277V Photocell	M With 120-277V Sensor	SQ Square Pole Mount	T3 TYPE III Photometry	S Surge protection
Area	75 75W	48V 347/480V	50K 5000K	B Black	P3 347V Photocell	M4 With 347-480V Sensor	SP Slipfitter Mount	T5 TYPE V Photometry	(Blank) No Surge protection
Light	105 105W			W White	P4 480V Photocell	Blank Without Sensor	WM Wall Mount		
	110 110W			SG Silver Gray	Blank Without Photocell				

Example:AL 105W 27V XXK Y Y Y Y Y Y

Fixture Type	Wattage	Voltage	CCT	Finish	Photocell (Option)	Sensor (Option)	Mounting	Photometry
<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"/>
KPL	150 150W	27V 120-277V	40K 4000K	D Dark Bronze	P0 120-277V Photocell	M With 120-277V Sensor	SQ Square Pole Mount	T3 TYPE III Photometry
Area	200 200W	48V 347-480V	50K 5000K	B Black	P3 347V Photocell	M4 With 347-480V Sensor	SP Slipfitter Mount	T4 TYPE IV Photometry
Light	250 250W			W White	P4 480V Photocell	Blank Without Sensor	WM Wall Mount	T5 TYPE V Photometry
	300 300W			SG Silver Gray	Blank Without Photocell			

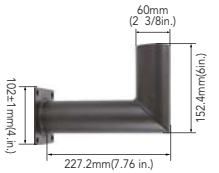
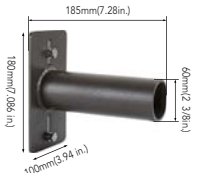





Example:AL 150W 27V XXK Y Y Y Y Y Y

Note: The Watt is 70W when the voltage is 120-277V,while when it is 347/480V,the watt is 75W.  
The Watt is 105W when the voltage is 120-277V,while when it is 347/480V,the watt is 110W.

ADDITIONAL MOUNTING ACCESSORIES

POLE BRACKET • For mounting one fixture on an existing pole			
	<p><b>4 inch Square Pole Mount with 2-3/8 inch 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 inch hex head stainless-steel bolts. Vertical tenon measures 2-3/8 inch O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>		<p><b>4 inch Round Pole Mount with 2-3/8 inch O.D. Tenon</b> No. 4SQ-SP-D Finish: Dark Bronze USE: For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8 inch hex head stainless-steel bolts. Vertical tenon measures 2-3/8 inch O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>
	<p><b>5 inch Square Pole Mount with 2-3/8 inch 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 inch hex head stainless-steel bolts. Vertical tenon measures 2-3/8 inch O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>		<p><b>5 inch Round Pole Mount with 2-3/8 inch O.D. Tenon</b> No. 5SQ-SP-D Finish: Dark Bronze USE: For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8 inch hex head stainless-steel bolts. Vertical tenon measures 2-3/8 inch 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 inch 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 inch 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>			
	<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.		<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
Round External Mount Horizontal Tenon · To mount 2/3/4 fixtures on a existing pole			
	<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		<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
	<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		<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
	<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		