EZC SERIES

Project:	
Type:	
Catalog #:	

Small Size: 40W/70W/100W

*Swivel Mount for wall mounting applications

Medium Size: 150W/200W

Large Size: 250W/300W

SPECIFICATIONS

CONSTRUCTION:
- Rugged one-piece, die-cast aluminum housing 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:
- Available in IES Type III, IV, V distributions
- Light engines are available in standard 4000 K and 5000 K (70 CRI) configurations.
- Scalable Lumen Packages from 5,360 to 42,000 Lumens replaces up to 1000W Metal Halide.
- 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.

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 occupancy sensor
- Optional Photocell

AMBIENT TEMPERATURE:
- Ambient operating temperature -40˚ C to 45˚ C (-40 ℉ to 113 ℉) .

INSTALLATION:
- Suitable for mounting heights ranging from 26-50' in area lighting applications
- Round pole, Square pole, slipfitter and wall mount are available
- The design can be operated by one person to install the whole lamp

LIFESPAN:
- Estimated 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

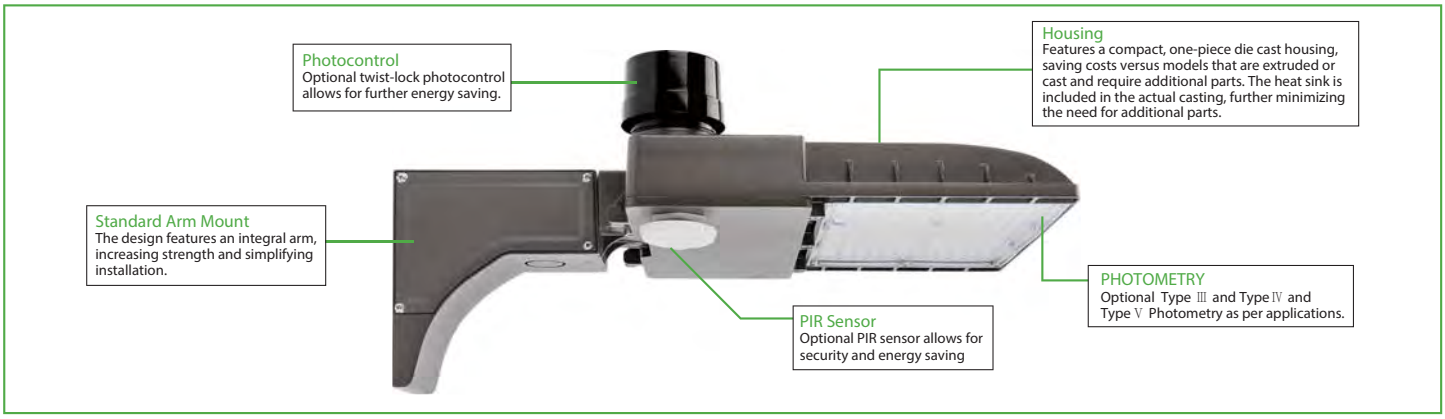
FINISH:
- It's available in black or optional dark bronze, silvery gray or white.

CERTIFICATIONS:
- UL wet location listed and DLC qualified

APPLICATIONS:
Auto dealerships
Parking lots
Walkways
Roadways
Campuses
Facade lighting
Grocery stores and other public areas

WARRANTY:
5 year warranty.

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 25ºC (77ºF) +/- 5 degrees.



EZC SERIES

PERFORMANCE DATA

			4000K(70CRI)		5000K(70CRI)	
SYSTEM WATTS	VOLTAGE	DIST.TYPE	LUMENS	LPW	LUMENS	LPW
40W	120-277V	3	5400lm	135 lm/W	5500lm	138 lm/W
	120-277V	4	5360lm	134 lm/W	5480lm	137 lm/W
	120-277V	5	5600lm	140 lm/W	5720lm	143 lm/W
45W	347-480V	3	5900lm	131 lm/W	6000lm	133 lm/W
	347-480V	4	5850lm	130 lm/W	5940lm	132lm/W
	347-480V	5	6120lm	136 lm/W	6210lm	138 lm/W
70W	120-277V	3	9500lm	136 lm/W	9600lm	137 lm/W
	120-277V	4	9310lm	133 lm/W	9450lm	132 lm/W
	120-277V	5	9730lm	139 lm/W	9800lm	140 lm/W
75W	347-480V	3	9800lm	131 lm/W	10000lm	133 lm/W
	347-480V	4	9750lm	130 lm/W	9900lm	132 lm/W
	347-480V	5	10200lm	136 lm/W	10350lm	138 lm/W
100W	120-277V	3	13500lm	135 lm/W	13800lm	138 lm/W
	120-277V	4	13200lm	132 lm/W	13300lm	133 lm/W
	120-277V	5	13800lm	138 lm/W	13900lm	139 lm/W
150W	120-277V	3	20500lm	137 lm/W	20800lm	139 lm/W
	347-480V	3	21000lm	140 lm/W	21300lm	143 lm/W
	120-277V/347-480V	4	19800lm	132 lm/W	20000lm	133 lm/W
	120-277V	5	20500lm	137 lm/W	20800lm	139 lm/W
	347-480V	5	21000lm	140 lm/W	21000lm	140 lm/W
200W	120-277V/347-480V	3	25500lm	128 lm/W	26000lm	130 lm/W
	120-277V/347-480V	4	24600lm	123 lm/W	24800lm	124 lm/W
	120-277V/347-480V	5	25500lm	128 lm/W	26000lm	130 lm/W
250W	120-277V/347-480V	3	34000lm	136 lm/W	34500lm	138 lm/W
	120-277V/347-480V	4	33250lm	133 lm/W	33750lm	135 lm/W
	120-277V/347-480V	5	34750lm	139 lm/W	35250lm	141 lm/W
300W	120-277V	3	40500lm	135 lm/W	41000lm	137 lm/W
	347-480V	3	41500lm	138 lm/W	42000lm	140 lm/W
	120-277V/347-480V	4	39600lm	132 lm/W	39900lm	133 lm/W
	120-277V	5	40500lm	135 lm/W	41000lm	137 lm/W
	347-480V	5	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

EZC SERIES

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）

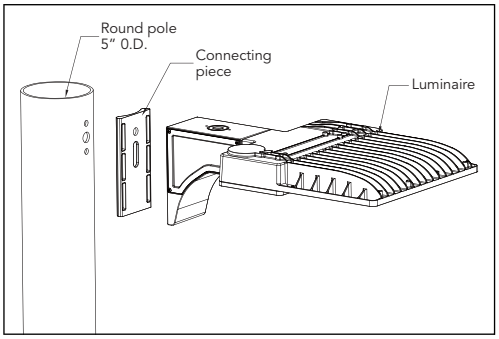
MOUNTING OPTIONS

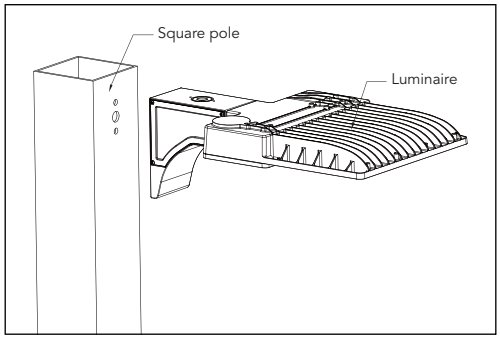
Arm Mount（4" and 5" Square and Round poles)
Standard versatile mounting arm is simple to install and can be used with existing poles for retrofit installations.

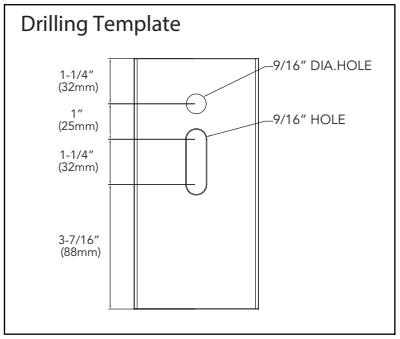
Slipfitter Mount
An optional cast aluminum mast arm adapter secures fixture head to nominal 2"(2-3/8"O.D. pipe size) horizontal steel tenon arm.

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

MOUNTING DIMENSIONS







ORDERING GUIDE

Fixture Type	Wattage	Voltage	CCT	Finish	Photocell (Option)	Sensor (Option)	Mounting	Photometry	Surge Protection (Option)
EZC Area Light Series	**A** 40W **B** 45W **C** 70W **D** 75W **E** 100W	**LV** 120-277V **HV** 347-480V	**4K** 4000K **5K** 5000K	**Z** Dark Bronze **B** Black **W** White **G** Silver Gray	**L** 120-277V Photocell **M** 347V Photocell **H** 480V Photocell **Blank** Without Photocell	**S** With 120-277V Sensor **Blank** Without Sensor	**Q** Square Pole Mount **F** Slipfitter Mount **WM** Wall Mount **SM** Swivel Mount	**3** TYPE III Photometry **4** TYPE IV Photometry **5** TYPE V Photometry	**S** Surge protection **(Blank)** No Surge protection

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.

Fixture Type	Wattage	Voltage	CCT	Finish	Photocell (Option)	Sensor (Option)	Mounting	Photometry
EZC Area Light Series	**G** 150W **I** 200W **J** 250W **K** 300W	**LV** 120-277V **HV** 347-480V	**4K** 4000K **5K** 5000K	**Z** Dark Bronze **B** Black **W** White **G** Silver Gray	**L** 120-277V Photocell **M** 347V Photocell **H** 480V Photocell **Blank** Without Photocell **R** **Photocell Receptacle Internal,shorting cap** **KO** Knockout for field installed Receptacle	**S** With 120-277V Sensor	**Q** Square Pole Mount **F** Slipfitter Mount **WM** Wall Mount **SM** Swivel Mount **YK** Yoke Mount* **AR** ***Receptacle,Cap for Q,F,WM,SM***	**3** TYPE III Photometry **4** TYPE IV Photometry **5** TYPE V Photometry

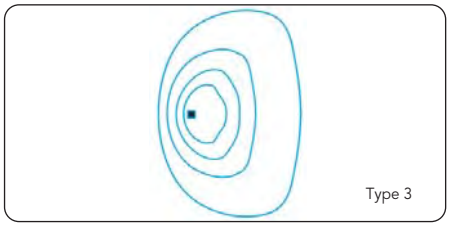
*** Photocell Internal only**

EZC SERIES

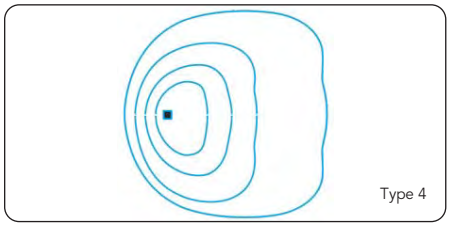
PHOTOMETRICS

FME 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.

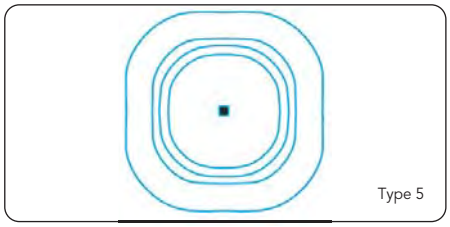
Type 3 optics produce an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire. In a back-to-back configuration, it creates a rectangular pattern which can extend pole spacings.



Type 4 is suitable for applications where light is primarily required forward with minimal backlight. Typical installations include perimeter poles.



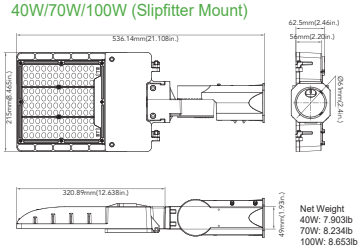
Type 5 optics produce a symmetrical square distribution pattern that distributes light equally on all sides of the luminaire. Type 5 luminaires is universal for most area lighting applications



DIMENSIONS

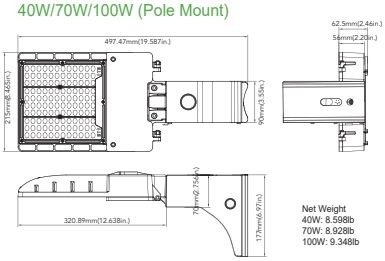
unit: inch/mm

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



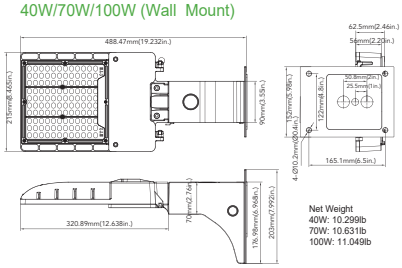
Net Weight
40W: 7.903lb
70W: 8.234lb
100W: 8.653lb

40W/70W/100W (Pole Mount)



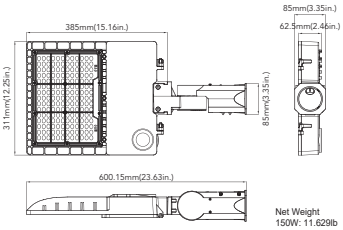
Net Weight
40W: 8.598lb
70W: 8.928lb
100W: 9.348lb

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



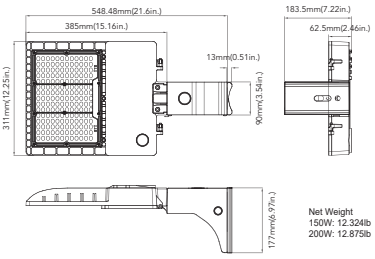
Net Weight
40W: 10.299lb
70W: 10.631lb
100W: 11.049lb

150W/200W (Slipfitter Mount)



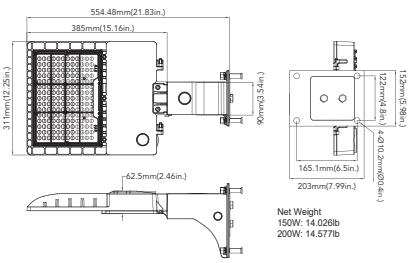
Net Weight
150W: 11.629lb
200W: 12.181lb

150W/200W (Pole Mount)



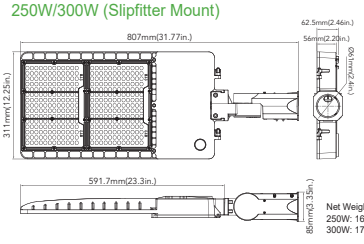
Net Weight
150W: 12.324lb
200W: 12.875lb

150W/200W (Wall Mount)



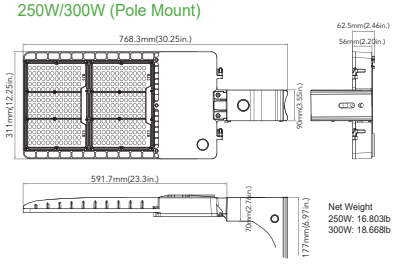
Net Weight
150W: 14.026lb
200W: 14.577lb

250W/300W (Slipfitter Mount)



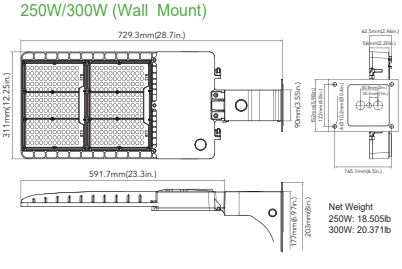
Net Weight
250W: 16.109lb
300W: 17.974lb

250W/300W (Pole Mount)



Net Weight
250W: 16.803lb
300W: 18.668lb

250W/300W (Wall Mount)



Net Weight
250W: 18.505lb
300W: 20.371lb

Specifications and dimensions subject to change without notice.

EZC SERIES

ADDITIONAL MOUNTING ACCESSORIES

POLE BRACKET • For mounting one fixture on an existing pole

4" Square Pole Mount with 2-3/8" O.D. Tenon
No. 4Q-F-Z
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.

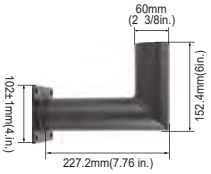
4" Round Pole Mount with 2-3/8" O.D. Tenon
NO. 4Q-F-Z
Finish:Dark Bronze
USE:For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8" hex head stainless-steel bolts. Vertical tenon measures
2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.

5" Square Pole Mount with 2-3/8" O.D. Tenon
No. 5Q-F-Z
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. 5Q-F-Z
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.

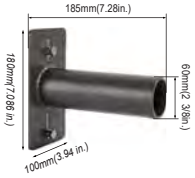
Pole Bracket accessories-Tenon & Yoke Adaptor
NO. F-T-Z
Finish: Dark Bronze
USE: The 2-3/8" OD Tenon Mount Adaptor for Yoke Fixtures is designed to mount MESTER light fixtures that are equipped with a yoke mount onto a 2-3/8" OD tenon. It may be utilized with the Mester Flood Light Series of light fixtures.

WALL BRACKET • Attaches to any flat surface • Provides wiring access



90° Wall Mount Bracket with 2-3/8" O.D. Tenon
NO. WM-F-Z
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.

Mid-Pole tenon Bracket



2-3/8" OD Horizontal Tenon Mid-Pole Bracket
NO. Q-F-Z
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

Double 90' Horizontal Tenon Adaptor
NO. R60-F2-90-Z
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-F3-120-Z
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-F2-180-Z
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

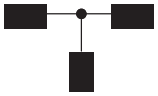
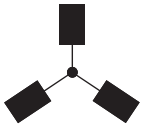
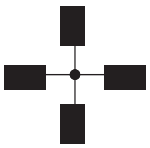
Quad 90' Horizontal Tenon Adaptor
NO. R60-F4-90-Z
Finish:Dark Bronze
USE:The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Four fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally

Triple 90' Horizontal Tenon Adaptor
NO. R60-F3-90-Z
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

Pole Bracket Accessories –Angle-Adjustment Adapter
NO. SQA-ALDA
Finish: Dark Bronze
USE: Durable brackets are engineered to provide versatile mounting options. These arms are made from rugged die-cast aluminum. They allow optimal positioning of the light fixture to maximize the lighting effectiveness vertically and horizontally.

EZC SERIES

EPA OF AREA LIGHT

Item	1	2 @90°	2 @120°	2@180°	 3 @90°	 3 @120°	 4 @90°
40W/70W/100W	0.3413	0.5929	0.7983	0.6826	1.0239	1.0499	1.0239
150W/200W	0.423	0.735	0.873	0.846	1.158	1.185	1.158
250W/300W	0.4759	0.7889	1.0581	0.9518	1.2648	1.3711	1.2648

BUG

SYSTEM WATTS	VOLTAGE	DIST.TYPE	B	U	G
40W	120-277V	3	1	0	1
45W	347-480V	3	1	0	1
70W	120-277V	3	2	0	2
75W	347-480V	3	2	0	2
100W	120-277V	3	2	0	2
150W	120-277V/347-480V	3	3	0	3
200W	120-277V/347-480V	3	3	0	3
250W	120-277V/347-480V	3	4	0	4
300W	120-277V/347-480V	3	4	0	4