EZC2 SERIES MULTI-PURPOSE AREA LIGHT

Project:	
Type:	
Catalog#:	

c UL us LISTED E359489 | WET LOCATION | 5 YEAR LIMITED WARRANTY

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 13,900 to 42,000 Lumens replaces up to 1000W Metal Halide.
- Optics is precisely designed to shape the distribution, maximizing efficiency and application spacing.
- 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%

Ambient Temperature:

- Ambient operating temperature -40˚ C to 40˚ C (-40° F to 104° F).

Installation:

- Suitable for mounting heights ranging from 26-50’ in area lighting applications
- Round pole, Square pole, slipfitter, wall mount and yoke 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. (Dark bronze standard).
- Contact factory for custom colors.

Black | Dark Bronze | Silver Gray | White

Controls:

- Optional occupancy sensor
- Optional Photocell

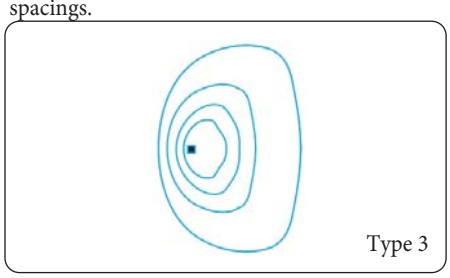
Certifications:

- UL wet location listed

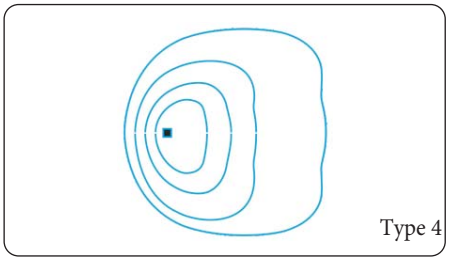
Photometrics

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.

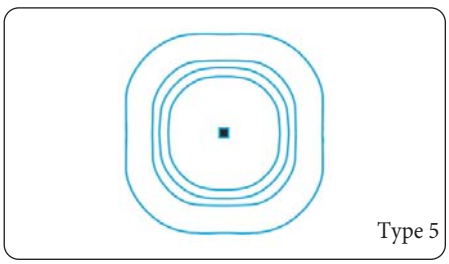
Type 3 optics produce an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire. In a back-to-back configuration, it creates a rectangular pattern which can extend pole spacings.



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



Specifications and dimensions subject to change without notice.

EZC2 SERIES MULTI-PURPOSE AREA LIGHT

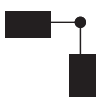
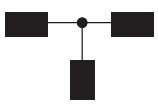
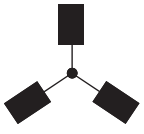
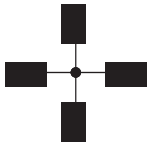
BUG

SYSTEM WATTS	VOLTAGE	DIST.TYPE	B	U	G
100W	120-277V/347-480V	3	2	0	2
		4	2	0	3
150W	120-277V/347-480V	3	3	0	3
		4	3	0	3
250W	120-277V/347-480V	3	4	0	4
		4	4	0	5
300W	120-277V/347-480V	3	4	0	5
		4	4	0	5

ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	850	100	120	0.83
		100	208	0.48
		100	240	0.42
		100	277	0.36
	2520	100	347	0.29
		100	480	0.21
1	1200	150	120	1.25
		150	208	0.72
		150	240	0.63
		150	277	0.54
	2600	150	347	0.43
		150	480	0.31
1	4300	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	5200	300	120	2.50
		300	208	1.44
		300	240	1.25
		300	277	1.08
		300	347	0.86
		300	480	0.63

EPA OF AREA LIGHT

Item	1	 2 @90°	2 @120°	2@180°	 3 @90°	 3 @120°	 4 @90°
100W	0.2751	0.5267	0.7321	0.6164	0.9577	0.9837	0.9577
150W	0.3111	0.6343	0.6464	0.6222	0.9335	0.9696	0.9335
250W/300W	0.4097	0.7227	0.9919	0.8856	1.1986	1.3049	1.1986

ADDITIONAL MOUNTING ACCESSORIES

POLE BRACKET • For mounting one fixture on an existing pole

4" Square Pole Mount with 2-3/8" O.D. Tenon

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

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

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

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.

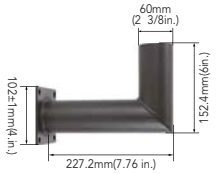
Pole Bracket Accessories –Angle-Adjustment Adapter

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.

Pole Bracket accessories-Tenon & Yoke Adaptor

Finish: Dark Bronze
USE: The 2-3/8" OD Tenon Mount Adaptor for Yoke Fixtures is designed to mount 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.

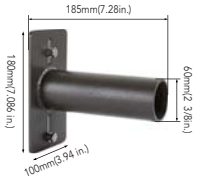
WALL BRACKET • Attaches to any flat surface • Provides wiring access



90° Wall Mount Bracket with 2-3/8" O.D. Tenon

Finish: Dark Bronze
USE: The 90° wall mount bracket with 2-3/8" tenon attaches a 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

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

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

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

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

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

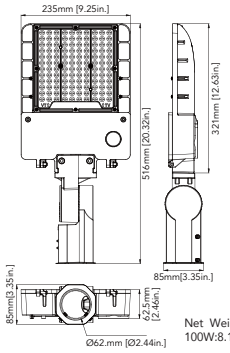
Triple 90' Horizontal Tenon Adaptor

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

DIMENSION

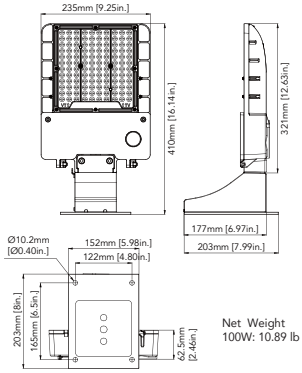
unit: inch/mm

100W (Slipfitter Mount)



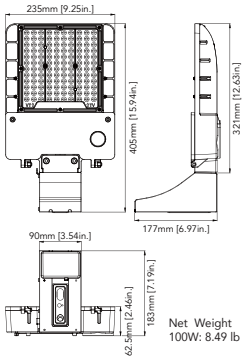
Net Weight
100W:8.18 lb

100W (Wall Mount)



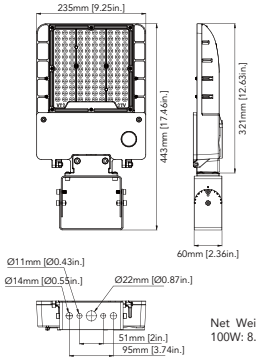
Net Weight
100W: 10.89 lb

100W (Pole Mount)



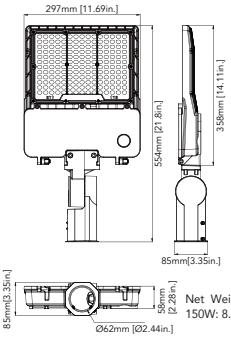
Net Weight
100W: 8.49 lb

100W (Yoke Mount)



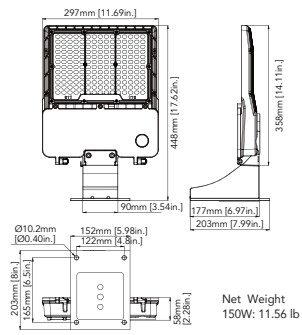
Net Weight
100W: 8.15 lb

150W (Slipfitter Mount)



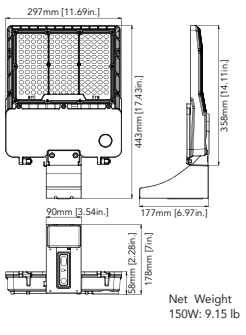
Net Weight
150W: 8.84 lb

150W (Wall Mount)



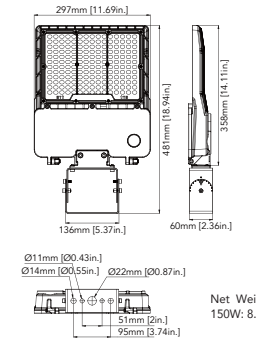
Net Weight
150W: 11.56 lb

150W (Pole Mount)



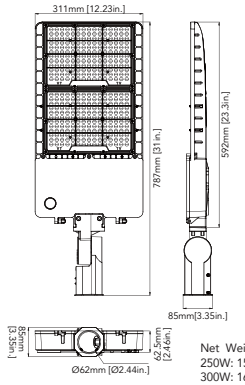
Net Weight
150W: 9.15 lb

150W (Yoke Mount)



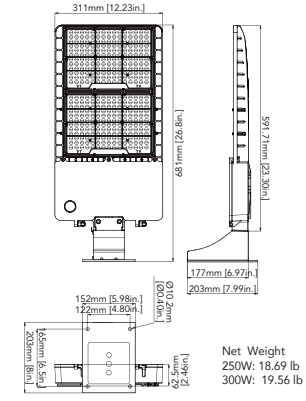
Net Weight
150W: 8.82 lb

250W/300W (Slipfitter Mount)



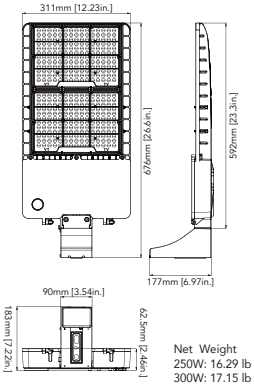
Net Weight
250W: 15.98 lb
300W: 16.84 lb

250W/300W (Wall Mount)



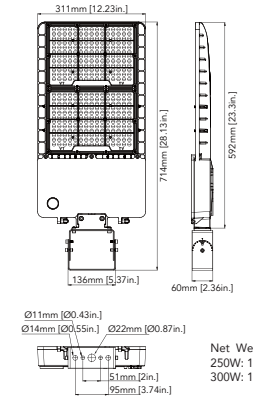
Net Weight
250W: 18.69 lb
300W: 19.56 lb

250W/300W (Pole Mount)



Net Weight
250W: 16.29 lb
300W: 17.15 lb

250W/300W (Yoke Mount)



Net Weight
250W: 15.96 lb
300W: 16.82 lb

EZC2 SERIES MULTI-PURPOSE AREA LIGHT

PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	DIST.TYPE	4000K(70CRI)		5000K(70CRI)	
			LUMENS	LPW	LUMENS	LPW
	120-277V/347-480V	3	14100lm	141 lm/W	14100lm	141 lm/W
100W	120-277V/347-480V	4	14000lm	140 lm/W	13900lm	139 lm/W
	120-277V/347-480V	5	14200lm	142 lm/W	14200lm	142 lm/W
150W	120-277V/347-480V	3	21000lm	140 lm/W	21000lm	140 lm/W
	120-277V/347-480V	4	20500lm	137 lm/W	20500lm	137 lm/W
	120-277V/347-480V	5	21000lm	140 lm/W	21000lm	140 lm/W
250W	120-277V/347-480V	3	35000lm	140 lm/W	35000lm	140 lm/W
	120-277V/347-480V	4	35000lm	140 lm/W	35000lm	140 lm/W
	120-277V/347-480V	5	36000lm	144 lm/W	35000lm	140 lm/W
300W	120-277V/347-480V	3	42000lm	140 lm/W	42000lm	140 lm/W
	120-277V/347-480V	4	41000lm	137 lm/W	41000lm	137 lm/W
	120-277V/347-480V	5	42000lm	140 lm/W	42000lm	140 lm/W

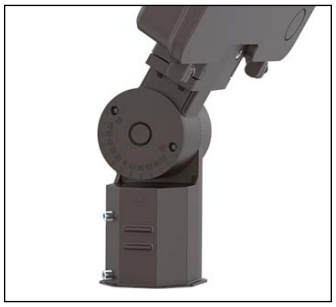
Mounting

- Standard versatile mounting arm accommodates multiple drilling patterns as well as square and round poles
- Optional for cast aluminum slipfitter mounting adapter（Compatible with more FME 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

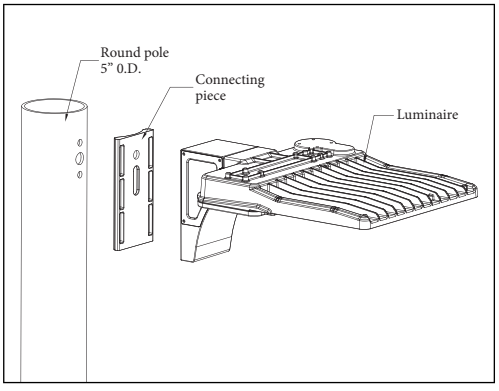
An optional cast aluminum mast arm adapter secures fixture head to nominal 2-3/8"O.D. horizontal steel tenon arm.

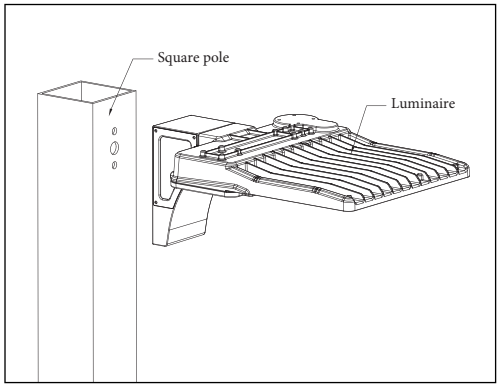
Wall Mount

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

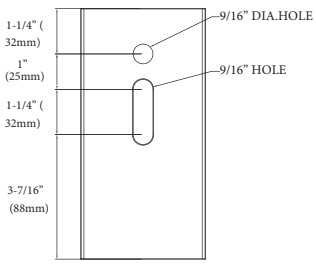
Yoke Mount

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





Drilling Template



Ordering Information

Fixture Type	Wattage	Voltage	CCT	Finish	Control / Accessory Options	Mounting	Photometry
EZC2 Area Light Series	**A** 100W **B** 150W **C** 250W **D** 300W	**LV** 120-277V **HV** 347-480V	**C4** 4000K **C5** 5000K	**DB** Dark Bronze **BLK** Black **WHT** White **SG** Silber Gray **CC** Custom Color	**BRI** Bi-Level Microwave Sensor **3120** 3-Pin 120-277V Photocell **3347** 3-Pin 347V Photocell **3480** 3-Pin 480V Photocell **7PIN** 7-Pin Photocell (contact factory) **SHK** Wireless Control (contact factory) **NC** No Controls	**SF** Slip Fitter **SM** Square Pole Mount **WM** Wall Mount **YK** Yoke Mount	**T3** Type III **T4** Type IV **T5** Type V

1. **Please visit the following link for steel and aluminum pole ordering information.** *https://www.fmelighting.com/ProductListing.php?subCat=42&theCat=LED%20Outdoor*

Mounting Accesoires and Adapters

Order Separately

4SQ-SP-D	4" Square Pole Mount with 2-3/8" O.D. Tenon
5SQ-SP-D	5" Square Pole Mount with 2-3/8" O.D. Tenon
SQA-ALDA	Pole Bracket Accessories –Angle-Adjustment Adapter
4SQR-SP-D	4" Round Pole Mount with 2-3/8" O.D. Tenon
5SQR-SP-D	5" Round Pole Mount with 2-3/8" O.D. Tenon
SP-TR-D	Pole Bracket accessories-Tenon & Yoke Adapter
WM-SP-D	90° Wall Mount Bracket with 2-3/8" O.D. Tenon
SQ-SP-D	2-3/8" OD Horizontal Tenon Mid-Pole Bracket
R60-SP2-90-D	Double 90° Horizontal Tenon Adapter
R60-SP2-180-D	Double 180° Horizontal Tenon Adapter
R60-SP3-90-D	Triple 90°Horizontal Tenon Adapter
R60-SP3-120-D	Triple 120° Horizontal Tenon Adapter
R60-SP4-90-D	Quad 90° Horizontal Tenon Adapter