

Project:	
Type:	
Catalog # :	

FME Lighting | 877 - 234 - 8460 | info@fmelighting.com



### SPECIFICATIONS

The ROA provides superior optical performance and versatility for area and roadway lighting. It features tool-free access, advanced surge protection, and efficient lumen maintenance, making it ideal for walkways, parking lots, and roadways.

#### Construction

- Constructed from heavy-duty cast aluminum with a removable door
- Rated for 3G vibration, this luminary is built to last.
- The fully sealed housing protects against moisture and environmental elements.

#### Optics

- Available in IES Type II, III, and IV light distributions.
- Comes in a standard color temperatures of 3000K, 3500K, 4000K, and 5000K.
  - With a minimum color rendering index of 70.
- The luminary offers scalable lumen output options ranging from 6,100 to 20,000 lumens.
  - Capable of replacing up to 400W Metal Halide fixtures.
- Designed to optimize light distribution, enhancing both efficiency and the spacing of applications.

#### Electrical

- Includes standard electronic drivers that accept universal voltage inputs
  - (120-277V 50/60Hz, 347-480V 60Hz).
- Features 1-10V dimming
- Advanced 10kV/10kA surge protection.
- Operates with greater than 0.9 power factor, and minimal harmonic distortion.
- Effective in temperatures from -40°C to 45°C.
- LED drivers are mounted on a die-cast aluminum backplate.
  - For optimal heat dissipation and extended operational efficiency.

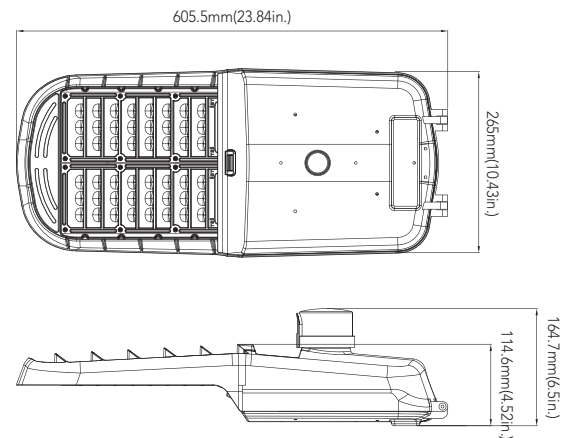
#### Lifespan

- The LEDs have an estimated lifespan of 100,000 hours.
  - Based on IES LM-80 testing and TM-21 projections.

### RATING & CERTIFICATIONS

- UL cUL wet location
- Qualified by the DesignLights Consortium -  
*Contact Factory for Details*
- 5 year limited warranty

### DIMENSIONS



Net Weight	
45W: 8.353lb	100W: 9.46lb
70W: 8.664lb	150W: 10.018lb

### LUMENS & OPTICS

\*See Page 2 for All Diagrams.

## ORDERING INFORMATION

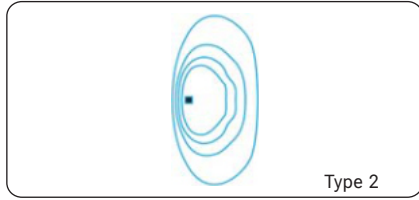
### ORDERING GUIDE

Series	Wattage	Voltage	CCT	Finish	Photocell (Option)	Motion Sensor (Option)	Photometry
ROA	A 45W B 70W C 100W D 110W E 150W	LV 120-277V HV 347-480V	3K 3000K 35K 3500K 4K 4000K 5K 5000K	G Silver Gray Z Dark Bronze B Black W White	L 120-277V Photocell M 347V Photocell H 480V Photocell Blank Without Photocell	S With Sensor Blank Without Sensor	2 TYPE 2 Photometry 3 TYPE 3 Photometry 4 TYPE 4 Photometry

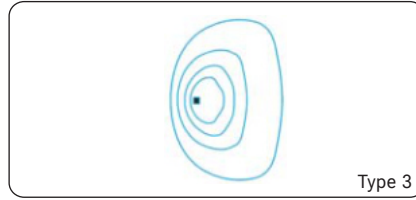
Note: When the voltage is 120-277V, the light is 100W, and the voltage is 110W at 347/480V.

### PHOTOMETRICS

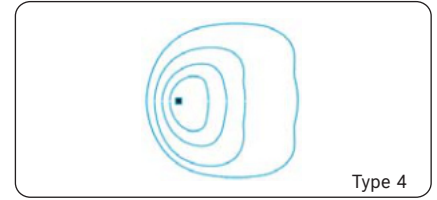
Type 2 optics creates an asymmetric distribution working well in walkway and roadway applications where more light is required "street side" than "house side".



Type 3 optics produces 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.



### PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	DIST.TYPE	CRI	LUMENS (3000K)	LPW (3000K)	LUMENS (3500K)	LPW (3500K)	LUMENS (4000K)	LPW (4000K)	LUMENS (5000K)	LPW (5000K)	EPA
45W	120-277V/347-480V	2	70	6100lm	136 lm/W	6200lm	138 lm/W	6300lm	140 lm/W	6350lm	141 lm/W	0.4711
45W	120-277V/347-480V	3	70	6100lm	136 lm/W	6200lm	138 lm/W	6300lm	140 lm/W	6350lm	141 lm/W	0.4711
45W	120-277V/347-480V	4	70	6100lm	136 lm/W	6200lm	138 lm/W	6300lm	140 lm/W	6350lm	141 lm/W	0.4711
70W	120-277V/347-480V	2	70	9200lm	131 lm/W	9200lm	131 lm/W	9300lm	133 lm/W	9400lm	134 lm/W	0.4711
70W	120-277V/347-480V	3	70	9200lm	131 lm/W	9200lm	131 lm/W	9300lm	133 lm/W	9400lm	134 lm/W	0.4711
70W	120-277V/347-480V	4	70	9200lm	131 lm/W	9200lm	131 lm/W	9300lm	133 lm/W	9400lm	134 lm/W	0.4711
100W	120-277V/347-480V	2	70	13000lm	130 lm/W	13200lm	132 lm/W	13600lm	136 lm/W	13800lm	138 lm/W	0.4711
100W	120-277V/347-480V	3	70	13000lm	130 lm/W	13200lm	132 lm/W	13600lm	136 lm/W	13800lm	138 lm/W	0.4711
100W	120-277V/347-480V	4	70	13000lm	130 lm/W	13200lm	132 lm/W	13600lm	136 lm/W	13800lm	138 lm/W	0.4711
150W	120-277V/347-480V	2	70	19500lm	130 lm/W	19600lm	131 lm/W	19800lm	132 lm/W	20000lm	133 lm/W	0.4711
150W	120-277V/347-480V	3	70	19500lm	130 lm/W	19600lm	131 lm/W	19800lm	132 lm/W	20000lm	133 lm/W	0.4711
150W	120-277V/347-480V	4	70	19500lm	130 lm/W	19600lm	131 lm/W	19800lm	132 lm/W	20000lm	133 lm/W	0.4711

### ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	1120	45	120	0.38
		45	208	0.22
		45	240	0.19
		45	277	0.16
1	1200	45	347	0.13
		45	480	0.09
1	1750	70	120	0.58
		70	208	0.34
		70	240	0.29
		70	277	0.25
1	1850	70	347	0.20
		70	480	0.15
1	2600	100	120	0.83
		100	208	0.48
		100	240	0.42
		100	277	0.36
		100	347	0.29
		100	480	0.21
1	5600	150	120	1.25
		150	208	0.72
		150	240	0.63
		150	277	0.54
		150	347	0.43
		150	480	0.31

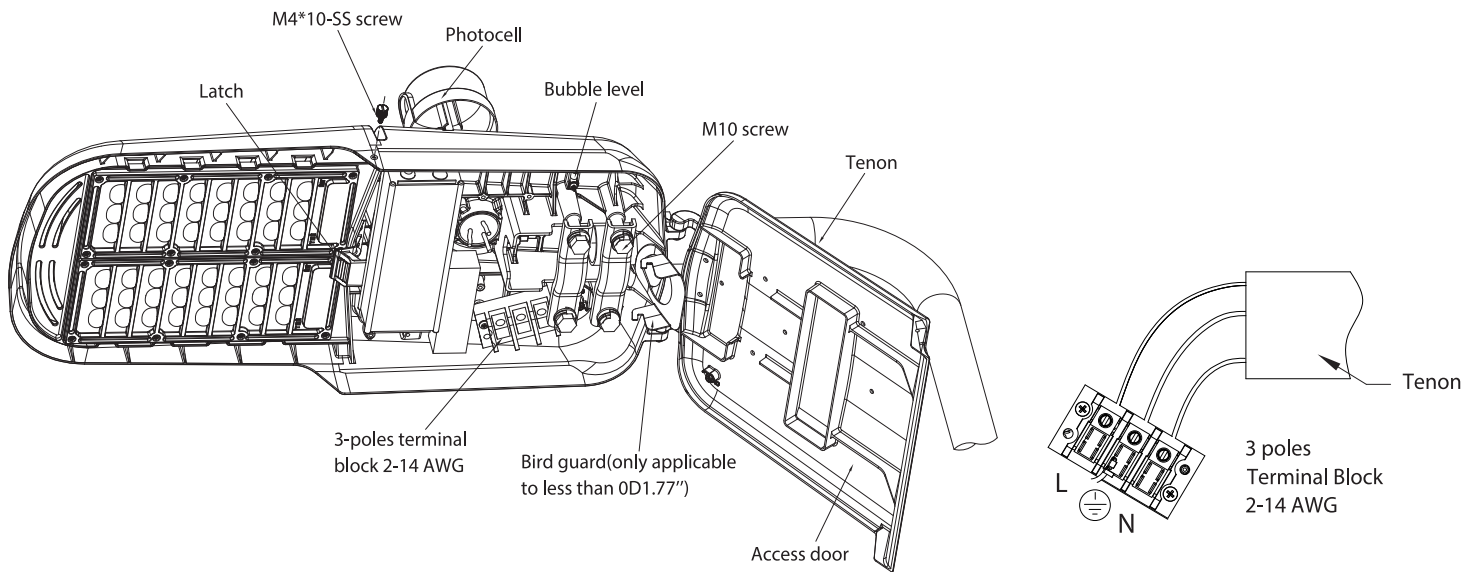
### WARNING

#### PLEASE READ ALL INSTRUCTIONS BEFORE ATTEMPTING INSTALLATION

- To prevent personal injury or product damage only licensed electricians should install.
- To avoid electric shock or component damage disconnect power before attempting installation or servicing.
- This product must be installed in accordance with the national electric code (NEC) and all applicable federal, state and local electric codes and safety standards.
- Disconnect product and allow cooling prior to servicing.
- Any alteration or modification of this product is expressly forbidden as it may cause serious personal injury, death, property damage and/or product malfunction.
- To prevent product malfunction and/or electrical shock this product must be properly grounded.
- This luminaire is designed to operate in ambient temperatures ranging from -40°C to 45°C and to be horizontally mounted with the LEDs facing down.
- This product must be installed in accordance with the applicable installation code by a Person familiar with the construction and operation of the product and the hazards involved.
- MIN 75°C SUPPLY CONDUCTORS
- CONSULT A QUALIFIED ELECTRICIAN TO ENSURE CORRECT BRANCH CIRCUIT CONDUCTOR
- CAUTION - RISK OF FIRE
- This product is not available for several special environments, such as places with corrosive gas liquids or high pressure water vapor.

## INSTRUCTION GUIDE

1. Loosen the side screws(M4\*10), push the latch to release the access door.
2. Loosen the M10 screws before sliding the fixture onto the tenon.
3. Slip the fixture onto the tenon, search for approximate penetration, adjust horizontal angle properly and tighten M10 screws.
4. Connect the service leads to the terminal block.
5. Turn latch to reinstall the access door and the fixture is ready to be energized, tighten the side screws(M4\*10)



Horizontal angle can be adjusted in 2.5° steps, ±5°

