ROA Series

Roadway Area Light

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

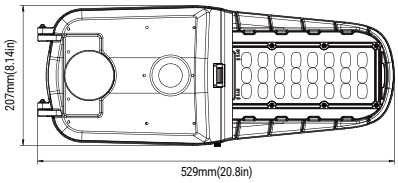
- UL cUL wet location
- Qualified by the DesignLights Consortium - *Contact Factory for Details*
- 5 year limited warranty

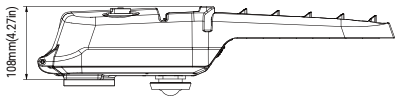
LUMENS & OPTICS

*See Page 2 for All Diagrams.

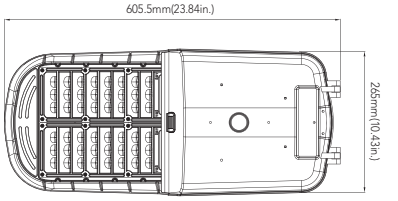
DIMENSIONS

70W & 105W





150W



ORDERING INFORMATION

ORDERING GUIDE

Series	Wattage	Voltage	CCT	Finish	Photocell (Option)	Motion Sensor (Option)	Photometry
ROA	**B** 70W **C** 105W **E** 150W	**LV** 120-277V **HV** 347-480V	**3K** 3000K **35K** 3500K **4K** 4000K **5K** 5000K	**G** Silver Gray CC Custom Color	**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: Only the 150W optional for TYPE II Photometry.

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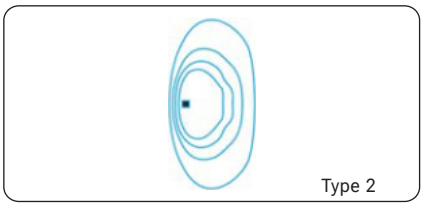
Roadway Area Light

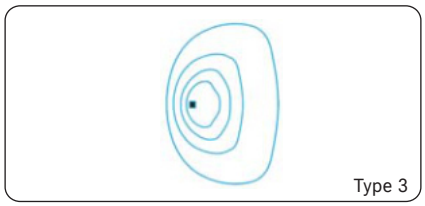
FME Lighting | ILLUMINATING INDUSTRIAL APPLICATIONS

PHOTOMETRICS

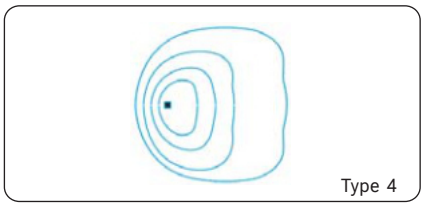
Type 2 optics creates an asymmetric distribution working well in walkway and roadway applications where more light is required "street side" than "house side".



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
70W	120-277V	3	70	9600lm	137 lm/W	9600lm	137 lm/W	9900lm	141 lm/W	9900lm	141 lm/W	0.4567
70W	347-480V	3	70	9200lm	131 lm/W	9200lm	131 lm/W	9400lm	134 lm/W	9400lm	134 lm/W	0.4567
105W	120-277V	3	70	14300lm	136 lm/W	14300lm	136 lm/W	14600lm	139 lm/W	14600lm	139 lm/W	0.4567
105W	347-480V	3	70	14000lm	133 lm/W	14000lm	133 lm/W	14200lm	135 lm/W	14200lm	135 lm/W	0.4567
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

ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	1110	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	850	105	120	0.88
		105	208	0.50
		105	240	0.44
		105	277	0.38
	2520	105	347	0.30
		105	480	0.22
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

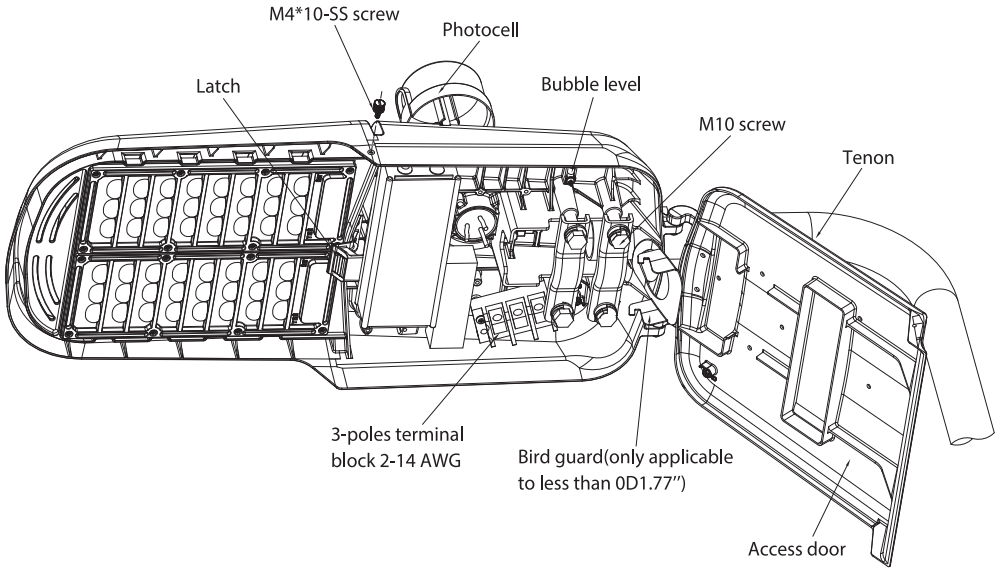
WARNING ⚠

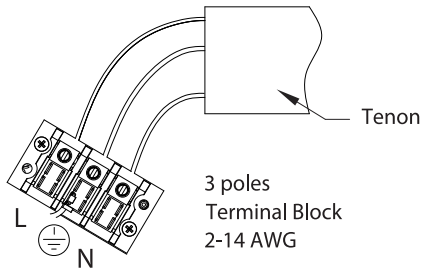
PLEASE READ ALL INSTRUCTIONS BEFORE ATTEMPTING INSTALLATION

— 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°