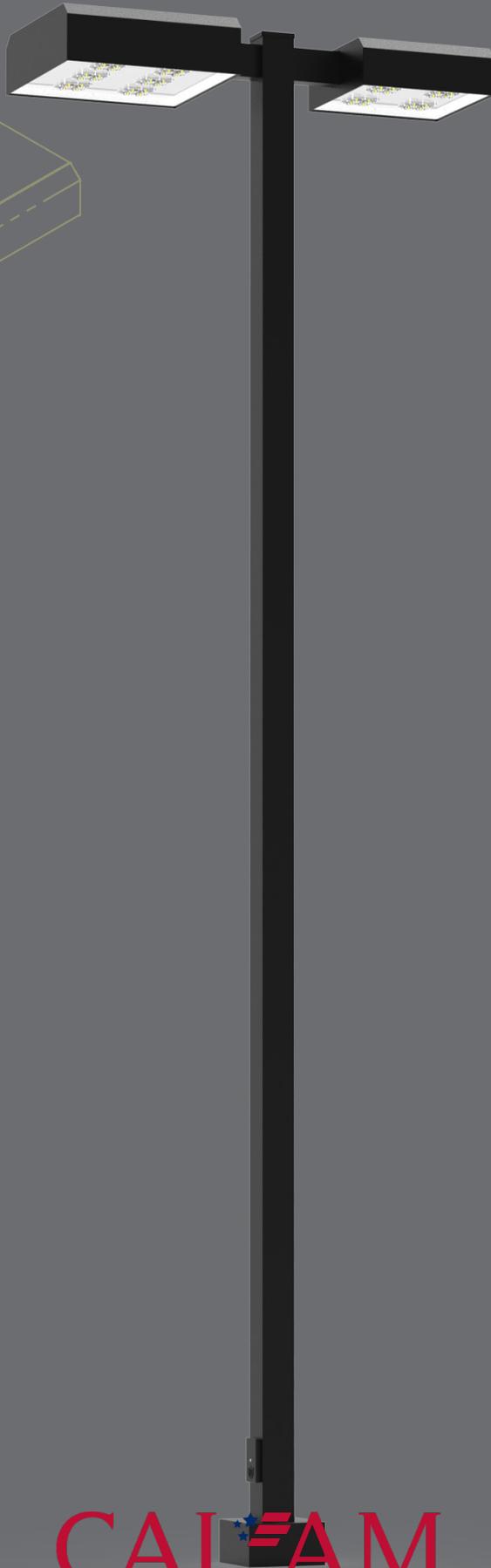
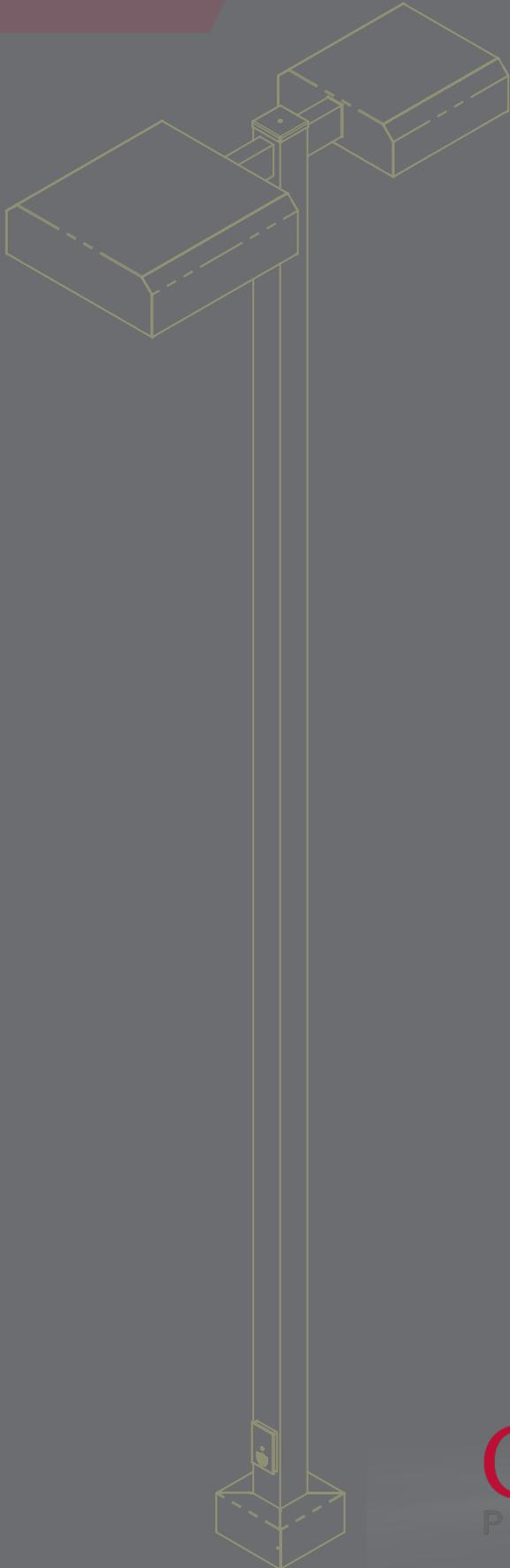


FREEDOM Luminaire

Area LED Lighting

Illuminating Dreams, Lighting Futures



CALAM
POLES & LIGHTING

Area LED Lighting

FREEDOM Luminaire

Project Name: _____

Fixture Type: _____



FREEDOM LED are luminaire, available in 2 sizes with 4 Optic distribution. FREEDOM fixture perfect for lighting up Parking Lots, Entry Ways, School Campues, Residential Exterior, Recreations Parks, Commercial or Industrial Spaces

-FREEDOM Luminaire is proudly made and assembled in the USA.

-5 Year Limited Warranty.

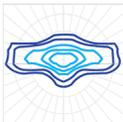
Features

- High efficient LED's.
- Operating temperatures: -40°C to 35° (-40°F to 95°F).
- Driver: Constant current, 120-277V, 50/60Hz or 480v (Optional).
- Suitable for Wet Locations.
- Options: 0-10 Dimming, Occupancy Sensors, Photocell.
- Operating Life: >60,000 hours.

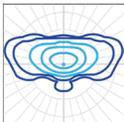
Construction

- Heavy Gauge Aluminum Housing.
- 3 Mill Powder Coat Finish, (Various colors available) (Custom).
- Types 2, 3, 4 and 5, Clear Optic.
- Silicone Gasket to prevent leakage and provide IP-66 Rated Product.
- Mounting: 6" Arm Mount, Spider Mount.

Optic Distribution



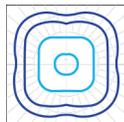
TYPE 2 (T2)



TYPE 3 (T3)



TYPE 4 (T4)



TYPE 5 (T5)

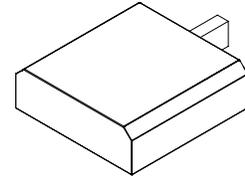
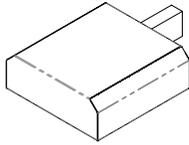
Example: FRDM1-80-T5-40K-UNV-BLK-AM



Cat #	Wattage	Light Dist.	Color Temp.	Voltage	Finish	Mounting	Options
Freedom-1 (FRDM1)	80W (80)	Type 2 (T2)	30K (30K)	120-277V (MV)	Black (BLK)	6" Arm Mount (AM)	Motion Sensor (MS)
	100w (100)	Type 3 (T3)	40K (40K)	480V (HV)	White (WHT)	Spider Mount (SM)	Button Photo Cell (BPC)
	120w (120)	Type 4 (T4)	5000K (50K)		Silver (SLR)		7PIN Receptacle & Shoring Cap (7P-RS)
Freedom-2 (FRDM2)	150w (150)	Type 5 (T5)			Bronze (BRZ)		7PIN Photo Cell (7P-PC)
	180w (180)				Dark Bronze (DBRZ)		House Side Shield (HSS)
	200w (200)				Custom (CST)		Marine Grade (MG)
	250w (250)						Buy American Act. Compliant. (BAA)¹
	280w (280)						Bult American, Buy America Act. Compliant.
	300w (300)						(BABA)¹

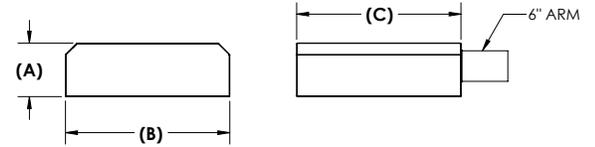
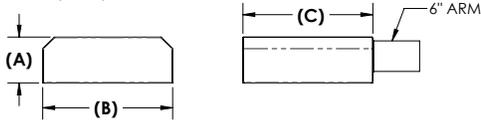
1. Contact our sales for detailed information on compliance with domestic manufacturing.
2. Lumen values are approximate and may vary based on factors such as distribution type and color temp.

CAT	A	B	C	D
FRDM1-AM	6"	17"	17"	-
FRDM1-SM	6"	17"	17"	18" 3/8
FRDM2-AM	7"	21" 1/2	21" 1/2	-
FRDM2-SM	7"	21" 1/2	21" 1/2	21"



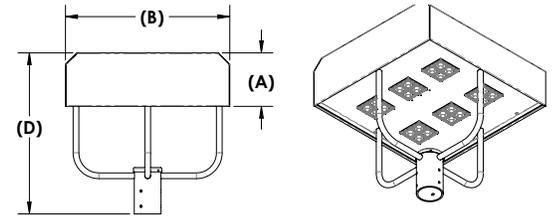
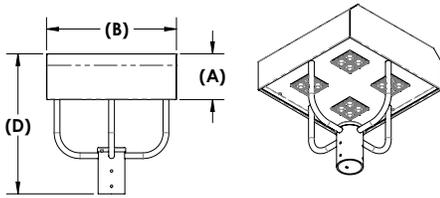
Arm Mount (AM)

Arm Mount (AM)



Spider Mount (SM)

Spider Mount (SM)

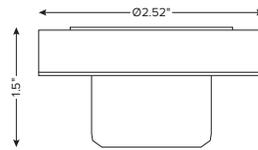


Cat #	Input Power	T5	T4	T3	T2	LED
FRDM1-80W-30K	85W	10236	10062	10205	10195	32L
FRDM1-80W-40K		10866	10681	10834	10823	
FRDM1-80W-50K		10866	10681	10834	10823	
FRDM1-100W-30K	105W	12209	12002	12173	12160	32L
FRDM1-100W-40K		12961	12741	12922	12909	
FRDM1-100W-50K		12961	12741	12922	12909	
FRDM1-120W-30K	125W	15354	15093	15308	15293	48L
FRDM1-120W-40K		16300	16023	16251	16234	
FRDM1-120W-50K		16300	16023	16251	16234	
FRDM1-150W-30K	155W	18314	18003	18259	18241	48L
FRDM1-150W-40K		19441	19111	19383	19364	
FRDM1-150W-50K		19441	19111	19383	19364	
FRDM1-180W-30K	185W	21069	20711	21006	20985	64L
FRDM1-180W-40K		22366	21986	22299	22277	
FRDM1-180W-50K		22366	21986	22299	22277	
FRDM1-200W-30K	200w	22934	22544	22865	22849	64L
FRDM1-200W-40K		24346	23932	24273	24249	
FRDM1-200W-50K		24346	23932	24273	24249	
FRDM2-250W-30K	255W	29051	28557	28963	28934	80L
FRDM2-250W-40K		30839	30315	30747	30716	
FRDM2-250W-50K		30839	30315	30747	30716	
FRDM2-280W-30K	285W	31721	31182	31626	21595	96L
FRDM2-280W-40K		33674	33101	33573	33539	
FRDM2-280W-50K		33674	33101	33573	33539	
FRDM2-300W-30K	305W	33520	32950	33419	33386	96L
FRDM2-300W-40K		35584	34979	35477	35441	
FRDM2-300W-50K		35584	34979	35477	35441	

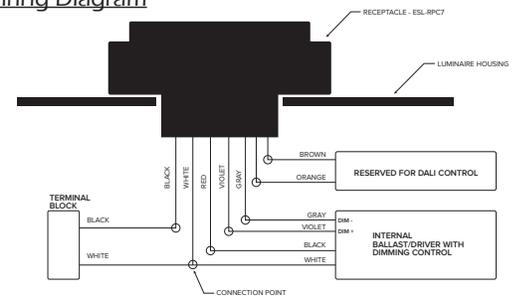
7-Pin receptacles:

7-Pin receptacles also offer on/o control, dimming via dusk to dawn, network control integration, and adds an extra set of pins to “future proof” your Area Light purchase.

Dimensions



Wiring Diagram



Features:

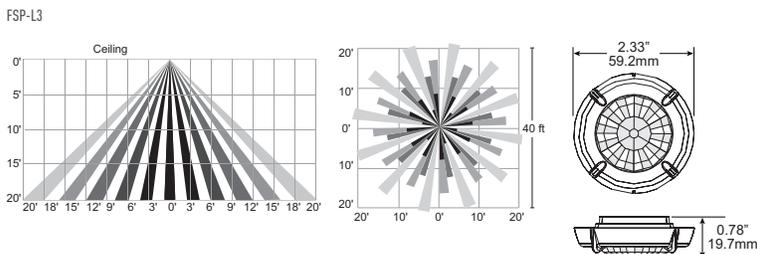
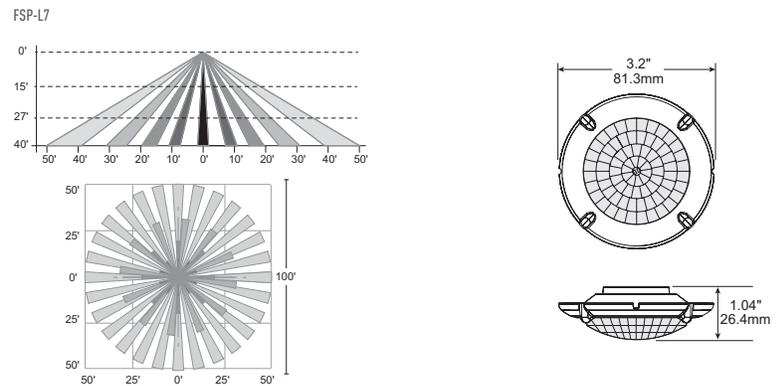
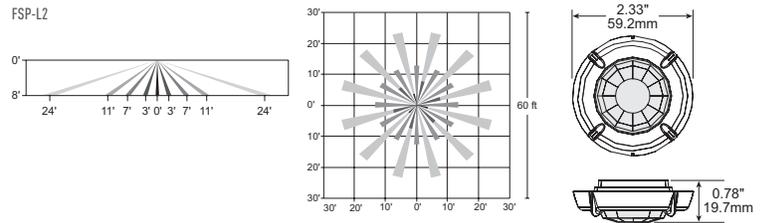
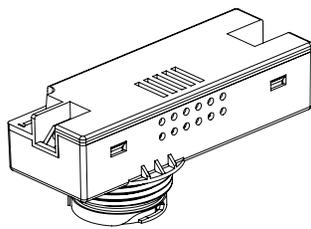
- Standard On/O Control
- Two Leads for 0-10V Dimming
- Two Leads for Future Proofing
- IP 65 Weather Resistant - Silicon Rubber Gasket

Specifications:

- Working Voltage: 480 VAC Max
- Load Capacity: 15 Amp Max
- Rated Frequency: 50/60Hz
- Ambient Temperature: -40 ~ 158°F(-40 ~ 70°C)
- Lead Gauge: AWG#14
- Lead Length: 12"
- Dimensions (ØxH): 2.52" x 1.5"

FSP-211 Motion Sensor

The **FSP-211** is a motion sensor that dims lighting from high to low based on movement. This slim, low-profile sensor is designed for installation inside the bottom of a light fixture body. The PIR lens module connects to the FSP-211 through a 1.30" diameter hole in the bottom of the fixture. The sensors use passive infrared (PIR) sensing technology that reacts to changes in infrared energy (moving body heat) within the coverage area. Once the sensor stops detecting movement and the time delay elapses lights will go from high to low mode and eventually to an OFF position if it is desired. Sensors must directly “see” motion of a person or moving object to detect them, so careful consideration must be given to sensor luminaire placement and lens selection. Avoid placing the sensor where obstructions may block the sensor’s line of sight. The FSP-211 operates at 120V/277V, and 230V–240V Single Phase. No power pack is required. It is designed to be installed in both indoor and outdoor environments.





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www.calampoles.com

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