

PARKING LOT LIGHT



Specifications

Construction:

- The rugged, one-piece die-cast aluminum housing features a complete heat sink that optimizes heat dissipation through convection cooling management.
- 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 II, III, IV, V distributions
- Light engines are available in adjustable color temperature (4000K&5000K&6500K) configurations.
- 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 277-480 VAC input voltage
- 6KA(@120-277V) and (@277-480V) surge protection
- 0-10V dimming driver standard for 10% to 100% dimming
- Power adjustable.
- THD: ≤20%
- Power Factor: ≥90%

Sensor:

- Optional Microwave sensor or Photocell sensor.

Ambient Temperature:

- Ambient operating temperature -40°C to 45°C (-40°F to 113°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



Certifications:

- UL wet location listed
- DesignLights Consortium™ Qualified for Outdoor Pole/Arm-Mounted Area and Roadway Luminaires, Architectural Flood and Spot Luminaires.

Note: DesignLights Consortium™ Qualified and classified for DLC Premium, refer to www.designlights.org for details.

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 25°C (±5°C) specifications subject to change without notice.

Finish:

- Standard: Dark Bronze
- Optional: Black, Silver Gray, White, Custom Color.

Structural Design



PERFORMANCE DATA

300W									
SETTING	SYSTEM WATTS	DIST.TYPE	CRI	4000K		5000K		6500K	
				LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	300W	2	70	40000lm	130 lm/W	45000lm	150 lm/W	41000lm	135lm/W
		3	70	40000lm	130 lm/W	45000lm	150 lm/W	41000lm	135lm/W
		4	70	40000lm	130 lm/W	45000lm	150 lm/W	41000lm	135lm/W
		5	70	40000lm	130 lm/W	45000lm	150 lm/W	41000lm	135lm/W
80%	240W	2	70	34000lm	140 lm/W	37000lm	154 lm/W	35000lm	145lm/W
		3	70	34000lm	140 lm/W	37000lm	154 lm/W	35000lm	145lm/W
		4	70	34000lm	140 lm/W	37000lm	154 lm/W	35000lm	145lm/W
		5	70	34000lm	140 lm/W	37000lm	154 lm/W	35000lm	145lm/W
67%	200W	2	70	28000lm	145lm/W	31000lm	160 lm/W	30000lm	150lm/W
		3	70	28000lm	145lm/W	31000lm	160 lm/W	30000lm	150lm/W
		4	70	28000lm	145lm/W	31000lm	160 lm/W	30000lm	150lm/W
		5	70	28000lm	145lm/W	31000lm	160 lm/W	30000lm	150lm/W

BUG @5000K

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

ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	1500	300	120	2.75
		300	208	1.58
		300	240	1.37
		300	277	1.19
		300	347	0.95
		300	480	0.68

MOUNTING

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

Mounting Options



Slipfitter Mount: SZ-AM (03)
An optional cast aluminum mast arm adapter secures fixture head to nominal 2-3/8"O.D. horizontal steel tenon arm.



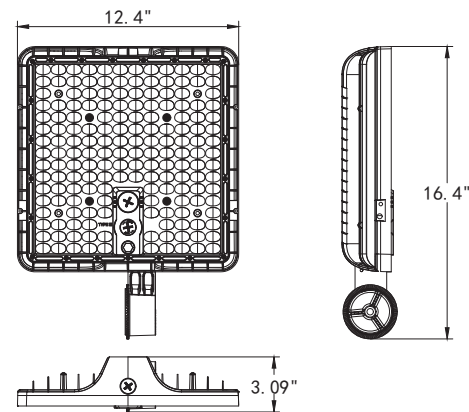
DM Mount: SZ-DM (03)
(4"and 5"Square and Round poles)
Standard versatile mounting arm is simple to install and can be used with existing poles for retrofit installations.



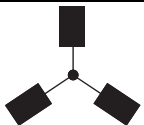
U Shaped Mount: SZ-UM (03)
Can be converted into a floodlight

DIMENSION
unit: inch

200W/240W/300W



EPA OF AREA LIGHT

Item							
	1	2 @90°	2 @120°	2@180°	3 @90°	3 @120°	4 @90°
200W/240W/300W	0.4758	0.8091	1.059	0.9516	1.2849	1.3923	1.2849

PHOTOMETRICS

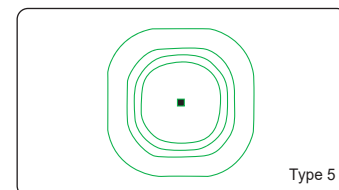
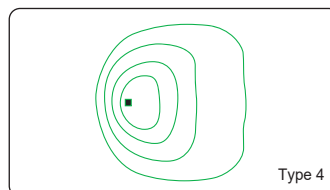
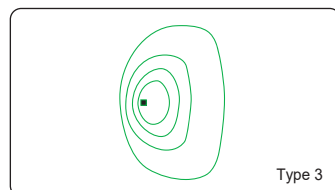
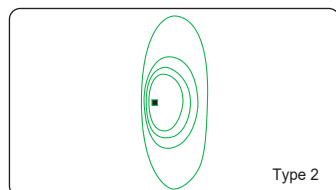
SZ offers a complete set of optical systems to meet every site lighting requirement. These systems provide remarkable flexibility in precisely matching light distribution patterns to specific site requirements.

Type 2 optics are ideal for applications where there is a need to space the luminaires farther apart along a road or pathway. The light distribution pattern is optimized for elongated areas, allowing for greater pole spacing without sacrificing lighting quality.

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



ORDERING GUIDE

Example: SZ-PK300W-H1-ACP (03)

Company Code	Fixture Type	Wattage	High Efficiency	Voltage	Sensor (optional)	ACP
SZ Company Name	PK Parking Lot	300W	H1 High Efficiency	Blank 120-277V H 277-480V	Blank Photocell MS Motion Sensor (option)	ACP Adjustable CCT and Power 300W: 200/240/300W 4000K/5000K/6500K

ACCESSORIES(Optional)

PK series features a backlight control which provides reduced pixilation and increased visual comfort without compromising performance. External Glare Shield: sold separately or as an accessory.



SZ-PK300W-Cover (03)

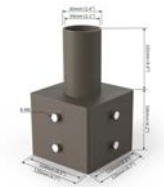
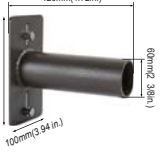
Sensor (Optional)

			
SZ-MS-MH1 Plug-and-Play Microwave and Photocell Sensor	SZ-PS-A Plug-and-Play Photocell Sensor	SZ-MS-MH1K5 Plug-and-Play Microwave and Photocell Sensor, 5 Manual Switches, easy programming	SZ-MS-RC1 Sensor Remote

Packing/Weight :

power	Outer box (L*W*H)	Qty/CTN (pcs)	N.W./pcs (lbs/kg)	G.W./CTN (lbs/kg)	Remark
200W/240W/300W	16.85*12.72*4.29" 428*323*109mm	1	9.02/4.1	10.56/4.8	

ADDITIONAL MOUNTING ACCESSORIES

POLE BRACKET - For mounting one fixture on an existing pole - Pole adaptor for tenon mounts			
	4" Square Pole Mount with 2-3/8" O.D. Tenon No. SZ-4S1 Finish: Dark Bronze USE: For use with square, non-tapered steel and aluminum poles. Furnished with eight M8 hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., Fixtures mounted to this bracket can be adjusted both vertically and horizontally.		4" Round Pole Mount with 2-3/8" O.D. Tenon No. SZ-4R-1R Finish: Dark Bronze USE: For use with Round, non-tapered steel and aluminum poles. Furnished with Six 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., Fixtures mounted to this bracket can be adjusted both vertically and horizontally.
	5" Square Pole Mount with 2-3/8" O.D. Tenon No. SZ-5S1 Finish: Dark Bronze USE: For use with square, non-tapered steel and aluminum poles. Furnished with eight M8 hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., Fixtures mounted to this bracket can be adjusted both vertically and horizontally.		5" Round Pole Mount with 2-3/8" O.D. Tenon No. SZ-5R-1R Finish: Dark Bronze USE: For use with Round, non-tapered steel and aluminum poles. Furnished with eight 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., Fixtures mounted to this bracket can be adjusted both vertically and horizontally.
WALL BRACKET - Attaches to any flat surface - Provides wiring access		Mid-Pole tenon Bracket	
	90° Wall Mount Bracket with 2-3/8" O.D. Tenon No. SZ-P3 Finish: Dark Bronze USE: The 90° wall mount bracket with 2-3/8" tenon attaches an SZ Parking lot light to almost any surface: wall, roof, or wood pole. Provides wiring access and a built-in 2-3/8" O.D. Mounting holes are spaced 5.9" apart.		2-3/8" OD Horizontal Tenon Mid-Pole Bracket No. SZ-P1 Finish: Dark Bronze USE: 2-3/8" OD Horizontal Tenon Mid-Pole Bracket is designed to mount light fixture that is equipped with an adjustable slipfitter onto a 2-3/8" OD horizontal tenon, Mounting holes are spaced 5.63" apart.
	90° Wall Mount Bracket with 2-3/8" O.D. Tenon No. SZ-P4 Finish: Dark Bronze USE: The 90° wall mount bracket with 2-3/8" tenon attaches an SZ Parking lot to almost any surface: wall, roof, or wood pole. Provides wiring access and built-in 2-3/8" O.D. Mounting holes are spaced 4" apart.		2-3/8" OD Horizontal Tenon Mid-Pole Bracket No. SZ-P2 Finish: Dark Bronze USE: 2-3/8" OD Horizontal Tenon Mid-Pole Bracket is designed to mount light fixture that is equipped with an adjustable slipfitter onto a 2-3/8" OD horizontal tenon, Mounting holes are spaced 3.18-5.63" apart.