

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 200-480 VAC input voltage
- 10KA(@120-277V) and (@200-480V) surge protection
- 0-10V dimming driver standard for 10% to 100% dimming
- Dimming Capability - Continuous
- Dimming level : ≤10%
- Power adjustable. THD: ≤20% Power Factor: ≥90%

Sensor:

- Photocell sensor.

Ambient Temperature:

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

Installation:

- Suitable for mounting heights ranging from 40-80' 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.

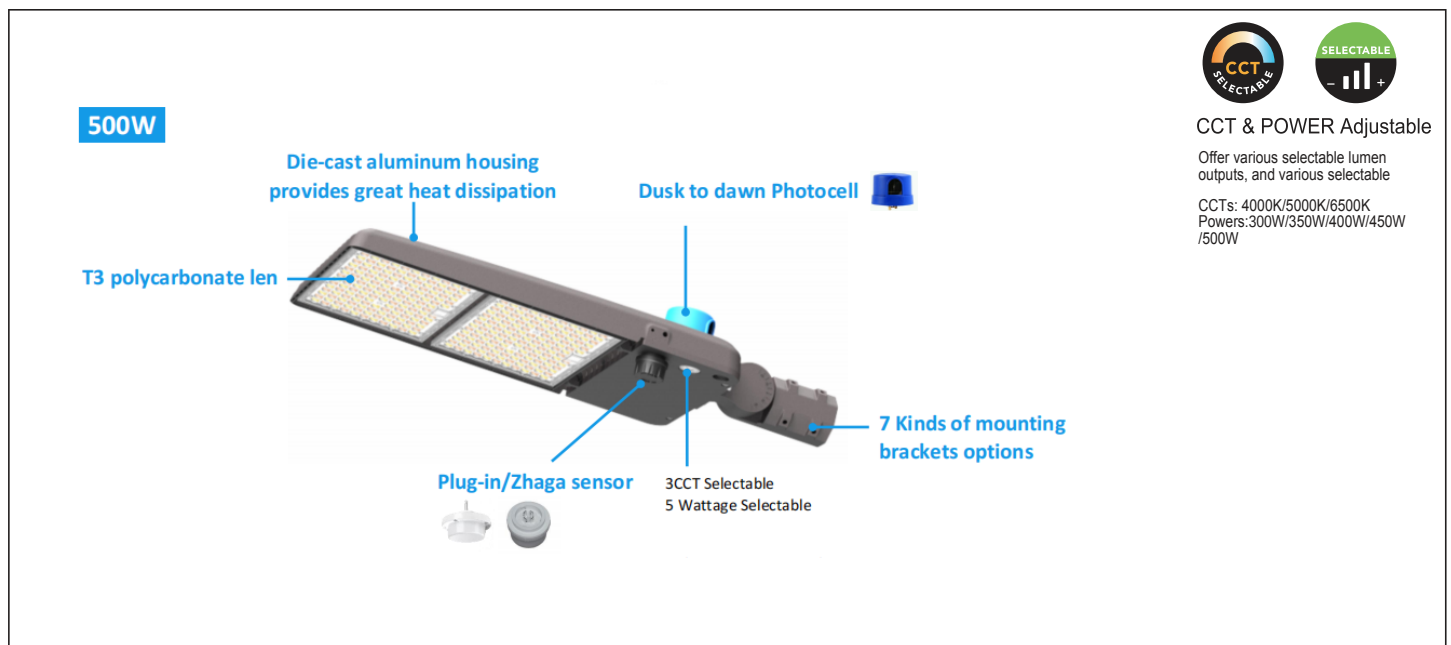
Note:

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

Model #	Size	Voltage	Wattage	CCT	Lumens(lm)	Efficiency (lm/W)
SZ-PK500W-ACP (02)	24"	120-277V	500W	4000K	70,120	144.6
				5000K	76,393	163.1
				6500K	76,001	154.8
			450W	4000K	65,058	148.0
				5000K	69,903	164.9
				6500K	67,933	154.3
			400W	4000K	59,347	151.9
				5000K	63,645	168.0
				6500K	64,210	161.4
			350W	4000K	53,297	155.3
				5000K	56,589	169.8
				6500K	55,640	161.8
			300W	4000K	47,033	158.7
				5000K	49,620	172.0
				6500K	49,063	165.4

BUG @5000K

SYSTEM WATTS	VOLTAGE	DIST.TYPE	B	U	G
500W	100-277V/200-480V	2	5	4	5
		3	5	4	5
		4	5	4	5
		5	4	4	4

ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	2000	500	120	5.000
		500	208	2.885
		500	240	2.500
		500	277	2.166
		500	347	1.729
		500	480	1.250

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 (500W) (02)
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 (500W) (02)
(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 (500W) (02)
Can be converted into a floodlight

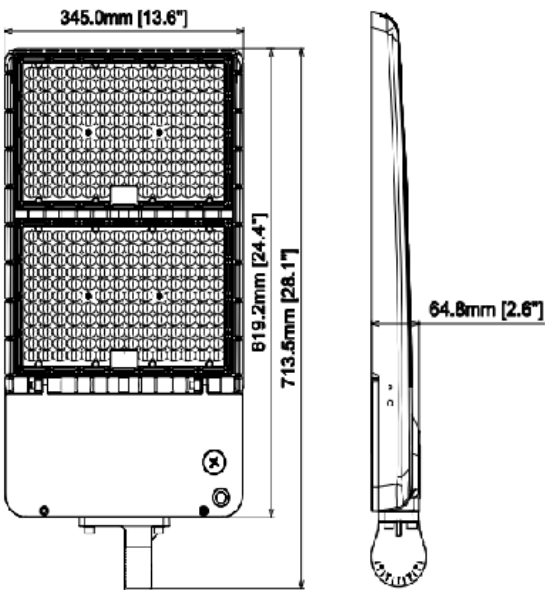


Yoke Mount: SZ-YM (500W) (02)
Die-cast aluminum trunnion is easily adapted to many surfaces and allows easy fixture aiming angles.

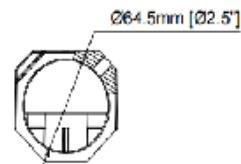
DIMENSION

unit: inch/mm

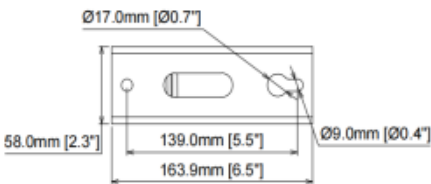
500W



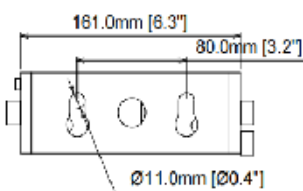
Dimension for Mounting Bracket



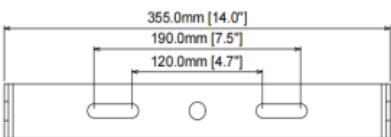
Slipfitter Mount



DM Mount



Yoke Mount



U Shaped Mount

Packing/Weight:

Model	Outer box (L*W*H)	Qty/CTN (pcs)	N.W./pcs (lbs/kg)	G.W./CTN (lbs/kg)	Remark
SZ-PK500W-ACP (02)	33.3"*13.98"*4.25" 846*355*108mm	1	15.84/7.2	18.04/8.2	

PHOTOMETRICS

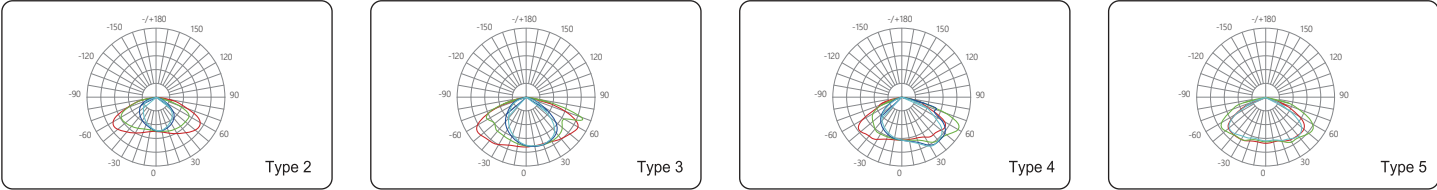
SZ offers a complete set of optical systems to meet every site lighting requirement. These systems provide remarkable flexibility in precisely matching light distribution patterns to specific site requirements.

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-PK500W-ACP (02)

Company Code SZ Company Name	Fixture Type PK Parking Lot	Wattage 500W	Voltage Blank: 100-277V H: 200-480V	ACP ACP Adjustable CCT and Power 500W:300/350/400/450/500W 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-PK500W-Cover (02)			
--------------------------	--	--	--

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 a 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 a 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 a adjustable slipfitter onto a 2-3/8" OD horizontal tenon, Mounting holes are spaced 3.18-5.63" apart.