

Hapco Solar Pole SOLAR TODAY. BRIGHTER TOMORROW.™

SLR1-FSA20

Single Module Solar Pole

12' MH · 110Wp · 850Wh · 20W LED Fixture



Superior Aesthetics



- Advanced Solar Technology



Highest-Performing Lithium NMC Batteries



₹ 4G Connectivity



Year Round, Autonomous Lighting



Easy, Plug-and-Play Installation



Smart City Device Ready



S Low Total Cost of Ownership

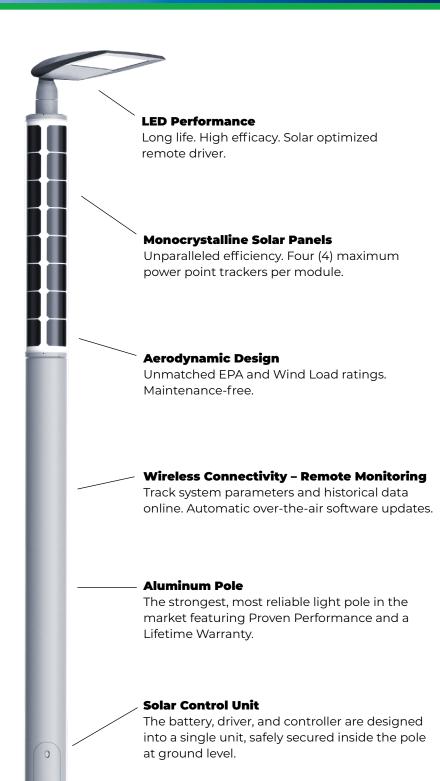


5-Year Remote Monitoring



Full 5-Year Warranty (No Pro-Rating)

A COMPLETELY ENGINEERED **SOLAR POLE SYSTEM**





LOCATION:

SLR1-FSA20

Single Module Solar Pole 12' MH · 110Wp · 850Wh · 20W LED Fixture



Pole Specification

Material: 6063 Aluminum Alloy, Heat Treated After Weld

Mounting Height: 12' Shaft/Top Dia.: 8"/4.5" Wall Thickness: .156"

Access Door: Flush, Locking Handhole with Key
Anchorage Options: Anchorage Base or Direct Buried

Fixture Mounting: Tenon Mount

Solar Module Specification

Technology: Monocrystalline Silicon Solar Cells

Cell Efficiency: >24%

Module Dimensions: 7.875" Dia. x 43.312" Tall

Service Life: >25 Years

Backsheet Color Options: White and Black

Number of Modules: 1 Total Power: ~110 Wp

Max. Power Point Tracking Channels: 4 / Module

Weight: ~15.5 lbs. / Module

Material: Borosilicate Glass — IK-07 Impact Rating

Battery Specifications

Technology: Lithium NMC

Capacity: 850 Wh Service Life: >10 Years

Location: Inside Pole Shaft Opposite Access Door

Charge Efficiency: 99.5%

Temperature Range: -4°F to 140°F

Control Electronics Specifications

Mobile Comm.: GSM/LTE-M

Encryption: TLS 1.2

GNSS: GPS, BeiDou, GALILEO, FLONASS, QZSS

Cable Update: USB Programmable

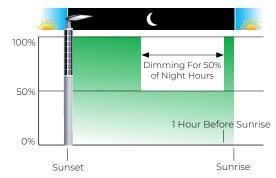
Remote Update: Yes Remote Monitoring: Yes

Time and Date: Astronomical Clock

Service Life: >10 Years

Dimming

Dynamic Dimming: Algorithmically Optimized Light Output **Default (D1):** 100%/50%/100%



Custom: Fully Customizable Profiles Can Be Specified To Meet Building Efficiency Codes

Fixture

Style: FSA20 Wattage: 20W LED Quantity: 36

Dimensions: 24.75" L x 13.06" W x 11.25" H **Material:** High Impact Diecast Aluminum (IK09)

CCT: 4000K

Finish: Black or Gray

Warranty

Warranties: All Warranties Are 100% (Not Pro-Rated)

Battery: 5 Years

Solar Components: 5 Years

Fixture: 5 Years

Pole: Lifetime Warranty (Excluding Finish)

Remote Monitoring

Monitoring: 5 Years

Options

Hybrid: (HYB) Grid Powered Battery Backup Motion Sensor: (MOT) Occupancy Awareness Extended Monitoring: (M10) 10 Years (From Std. 5)

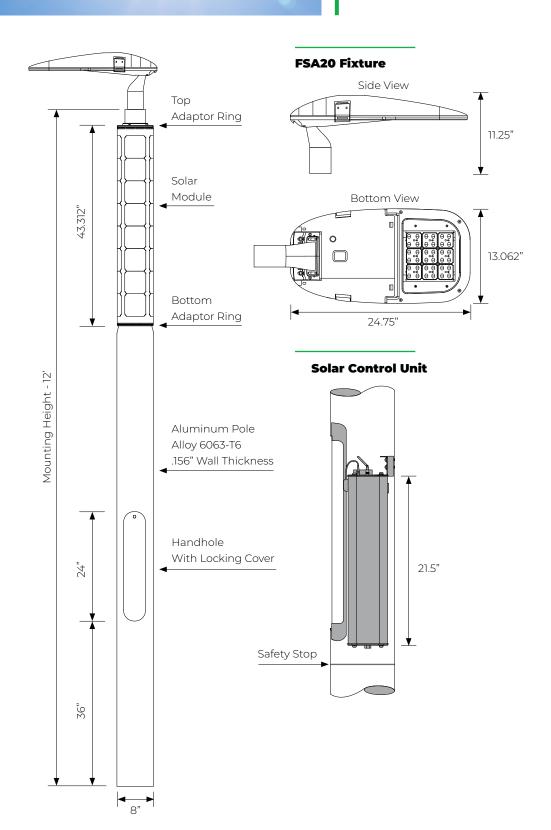
SLR1	-	- 0850	- 12 ·	- C ·	- 🗌 ·	-	- FSA20	- 4K		-	-	•
HAPCO SOLAR POLE	Module Color	BATTERY	MOUNTING HEIGHT	WALL THICKNESS	Anchorage	Pole Finish	FIXTURE	ССТ	DISTRIBUTION	DIMMING SCHEDULE	FIXTURE FINISH	OPTIONS
SLR1 = Single Module	B = Black	0850 = 0850WH	12 = 12'	C = 0.156"	4 = 4-Bolt Base	01 = Satin	FSA20	4K =	Τ1	D1 = Default	BK = Black	HYB = Hybrid Grid/Solar
	W = White				E = Direct	BA = Black		4000K	T2	DX = Custom*	GR = Gray	MOT = Motion Sensor
					Buried	Powder Coat			T3	*Specify Schedule		M10 = 10 Year Monitoring
									T4	opecity outleading		*Add all that apply.
									T5			Ex. HYB-MOT-M10



SLR1-FSA20

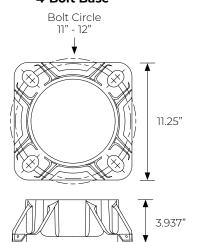
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12' MH · 110Wp · 850Wh · 20W LED Fixture



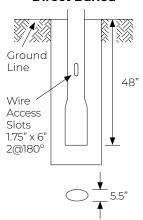
Anchorage Options

4-Bolt Base



4-Bolt Cast Aluminum Base Flange of Alloy 356-T6 with Aluminum Bolt Covers (Alloy 356-F), Stainless Steel Hex Head Attaching Screws, and Four (4) 1" x 36" x 4" Steel Anchor Bolts Conforming to AASHTO M314-90.

Direct Buried



Direct Buried Pole bottom section will be partially flattened into an anti-rotational, oval cross section.



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Applications: Streetscapes Walkways Pathways Parks & Rec Residential Streets Commercial Centers Campuses





Hapco Solar Pole

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FSA20

20W LED Luminaire

Specifications

EPA: 1.9 ft²

Dimensions: 24.75" L x 13.06" W x 11.25" H

Weight: 20 lbs

Material: High Impact Diecast Aluminum (IK09)
Mounting: Fits Standard 2-3/8" Diameter OD Tenons

Electrical

LED Quantity: 36
Power: 20W
Max THD: 20%
Power Factor: 0.90
RoHS: Compliant

Control Options

Lighting Scheme: Automatic Adaption to Sunrise/Sunset **Standard Dimming:** 100%/50%/100% (Sunset 100% - Dimming for 50% of Night Hours - 1 Hour Prior to Sunset 100%)

Custom Dimming: Match Any Project Specification

Motion Sensor: Optional

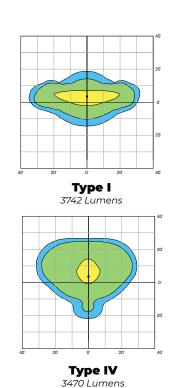
Light Module

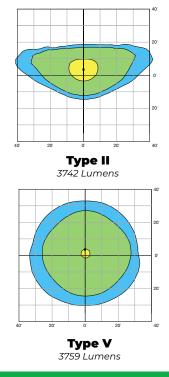
CCT: 4000K CRI: >70

Operating Temperature: -30°F - 122°F LED Lifetime: >70,000 Hours Protection Grade: IP66

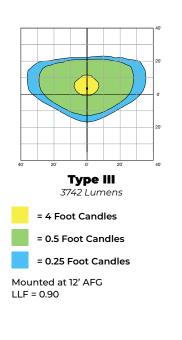
Warranty

Warranty: 5-Year Limited Warranty





PHOTOMETRICS



SOLAR TODAY. BRIGHTER TOMORROW.™









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