

### **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



Built-In 4G Connectivity



Year Round, Autonomous Lighting



Easy, Plug-and-Play Installation



(( ))
Smart City Device Capable



\$\ Low Total Cost of Ownership

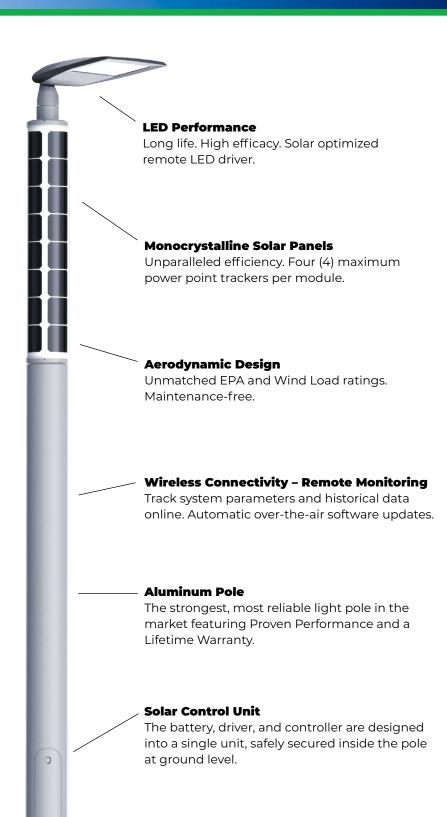


Optional Remote Monitoring



5-Year Warranty (No Pro-Rating)

A COMPLETELY ENGINEERED **SOLAR POLE SYSTEM** 





Customer Name:						
Ргојест:	Location:					
Notes:						

SLR1-FSA20

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#### **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

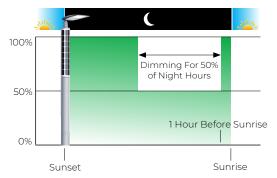
Remote Update: Yes Remote Monitoring: Yes

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)

#### **Options**

**Hybrid:** (HYB) Grid Powered Battery Backup **Motion Sensor:** (MOT) Occupancy Awareness

\*Add all that apply. Ex. HYB-MOT

Remote Monitoring: (M05) 5 Years (M10) 10 Years

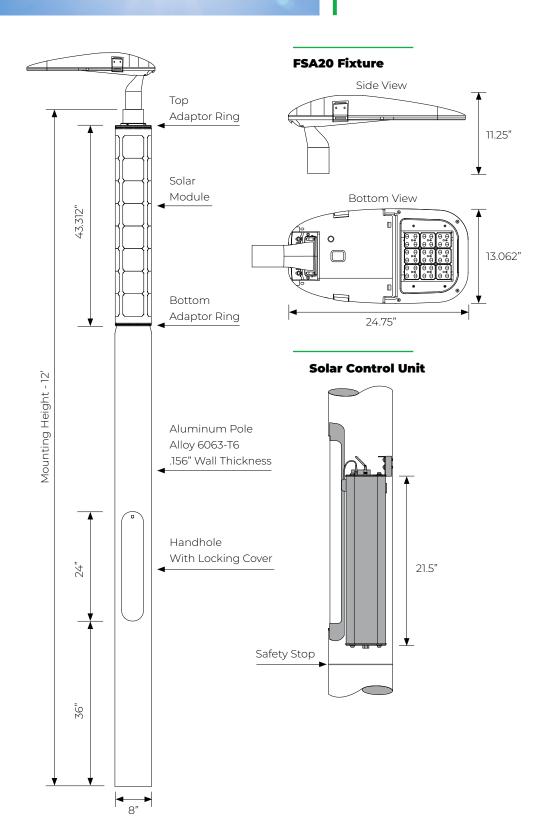
SLR1 -												
HAPCO SOLAR POLE	MODULE Color	BATTERY	MOUNTING HEIGHT	WALL THICKNESS	Anchorage	Pole Finish	FIXTURE	ССТ	DISTRIBUTION	DIMMING SCHEDULE	FIXTURE FINISH	Options
SLR1 = Single Module	<b>B</b> = Black <b>W</b> = White	<b>0850</b> = 0850WH	<b>12</b> = 12'		<b>4</b> = 4-Bolt Base <b>E</b> = Direct	<b>01</b> = Satin <b>BA</b> = Black		<b>4K</b> = 4000K		D1 = Default DX = Custom*	1	HYB = Hybrid Grid/Solar MOT = Motion Sensor
	W - Writte				Buried	Powder Coat		40001	T3 T4	*Specify Schedule	, í	MO5 = 5 Year Monitoring M10 = 10 Year Monitoring



### **SLR1-FSA20**

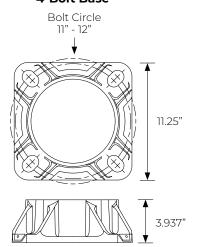
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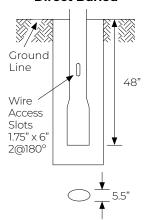
#### **Anchorage Options**

#### 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.



# **Solar Pole**SOLAR TODAY. BRIGHTER TOMORROW.<sup>™</sup>



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



## **National LED**

# **Solar Pole**SOLAR TODAY, BRIGHTER TOMORROW.<sup>™</sup>



# **FSA20**20W LED Luminaire

#### **Specifications**

**EPA:** 1.9 ft<sup>2</sup>

**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

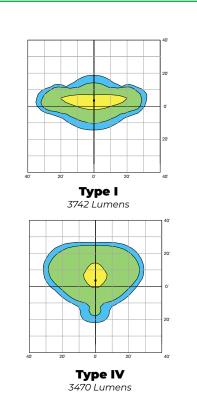
#### **Light Module**

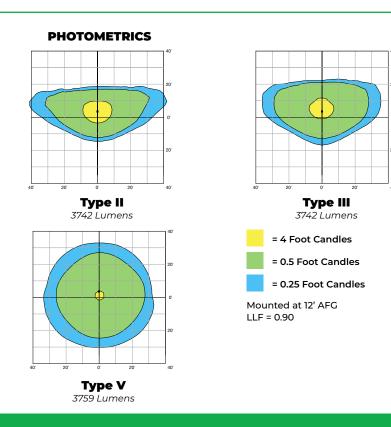
CCT: 4000K CRI: >70

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

#### Warranty

Warranty: 5-Year Limited Warranty





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