



Hapco Solar Pole

SOLAR TODAY. BRIGHTER TOMORROW.™

SLR3-FSA60

Triple Module Solar Pole

24' MH · 330Wp · 1250Wh · 60W 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



Low Total Cost of Ownership

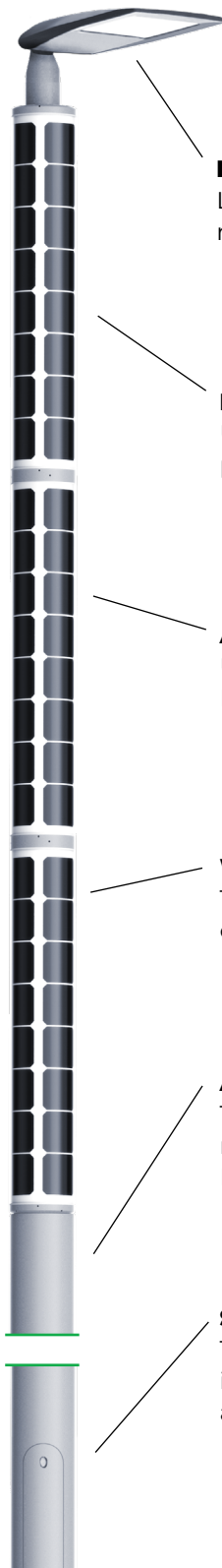


5-Year Remote Monitoring



Full 5-Year Warranty
(No Pro-Rating)

**A COMPLETELY ENGINEERED
SOLAR POLE SYSTEM**



LED Performance

Long life. High efficacy. Solar optimized remote driver.

Monocrystalline Solar Panels

Unparalleled efficiency. Four (4) maximum power point trackers per module.

Aerodynamic Design

Unmatched EPA and Wind Load ratings. Maintenance-free.

Wireless Connectivity – Remote Monitoring

Track system parameters and historical data online. Automatic over-the-air software updates.

Aluminum Pole

The strongest, most reliable light pole in the market featuring Proven Performance and a Lifetime Warranty.

Solar Control Unit

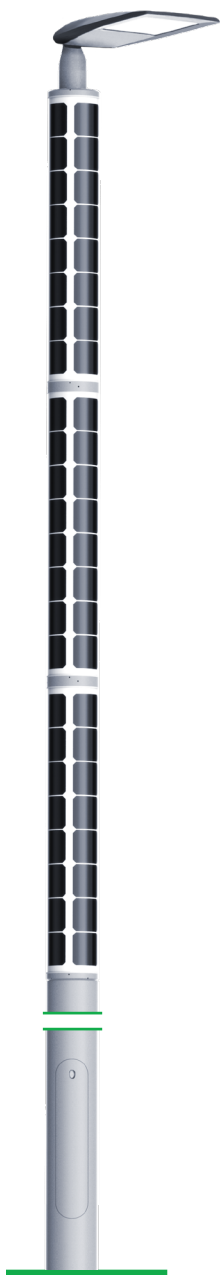
The battery, driver, and controller are designed into a single unit, safely secured inside the pole at ground level.



CUSTOMER NAME:	
PROJECT:	LOCATION:
NOTES:	

SLR3-FSA60 | Triple Module Solar Pole

24' MH · 330Wp · 1250Wh · 60W LED Fixture



Pole Specification

Material: 6063 Aluminum Alloy, Heat Treated After Weld
Mounting Height: 24'
Shaft/Top Dia.: 8"/4.5"
Wall Thickness: .188"
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: 3
Total Power: ~330 Wp
Max. Power Point Tracking Channels: 4 / Module
Weight: ~15.5 lbs. / Module
Material: Borosilicate Glass — IK-07 Impact Rating

Battery Specifications

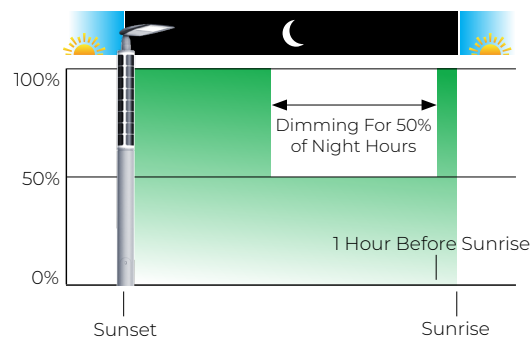
Technology: Lithium NMC
Capacity: 1250 Wh
Service Life: >10 Years
Location: Inside Pole Shaft Opposite Access Door
Charge Efficiency: 99.5%
Temperature Range: -4°F to 140°F

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: FSA60
Wattage: 60W
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)

SLR3 - [] - 1250 - 24 - D - [] - [] - FSA60 - 4K - [] - [] - [] - []

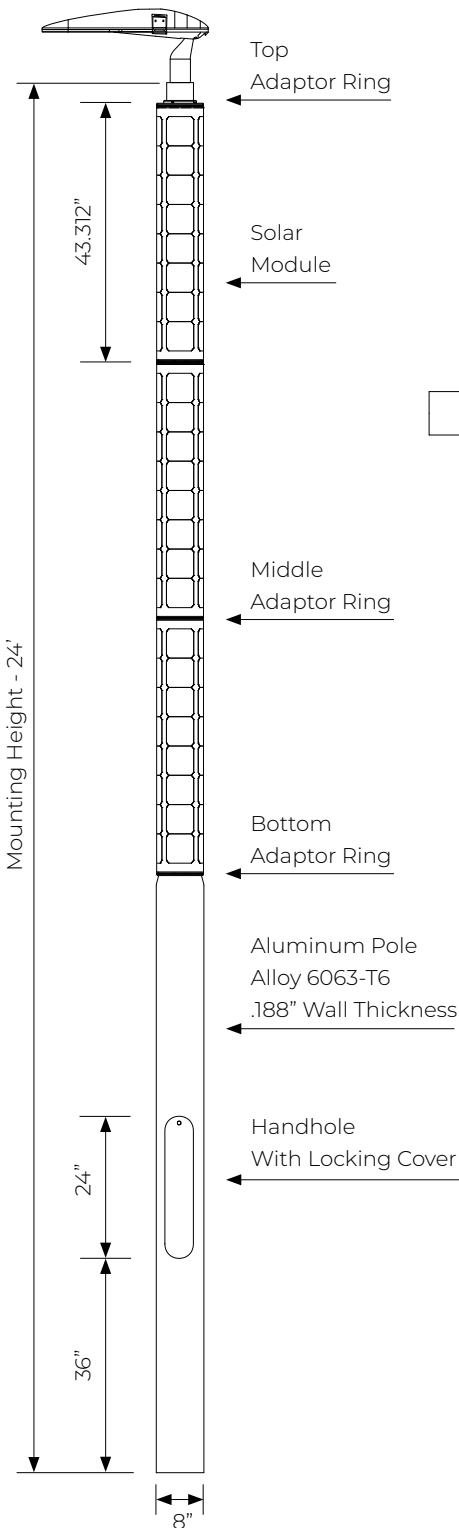
HAPCO SOLAR POLE	MODULE COLOR	BATTERY	MOUNTING HEIGHT	WALL THICKNESS	ANCHORAGE	POLE FINISH	FIXTURE	CCT	DISTRIBUTION	DIMMING SCHEDULE	FIXTURE FINISH	OPTIONS
SLR3 = Triple Module	B = Black W = White	1250 = 1250WH	24 = 24'	D = 0.188"	4 = 4-Bolt Base E = Direct Buried	O1 = Satin BA = Black Powder Coat	FSA60	4K = 4000K	T1 T2 T3 T4 T5	D1 = Default DX = Custom* *Specify Schedule	BK = Black GR = Gray	HYB = Hybrid Grid/Solar MOT = Motion Sensor M10 = 10 Year Monitoring *Add all that apply. Ex. HYB-MOT-M10



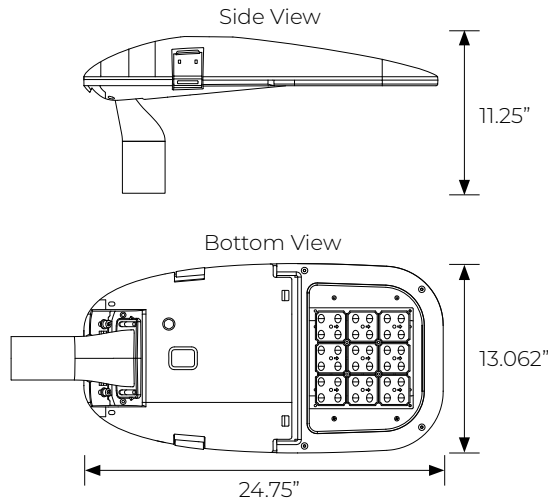
SLR3-FSA60

Triple Module Solar Pole

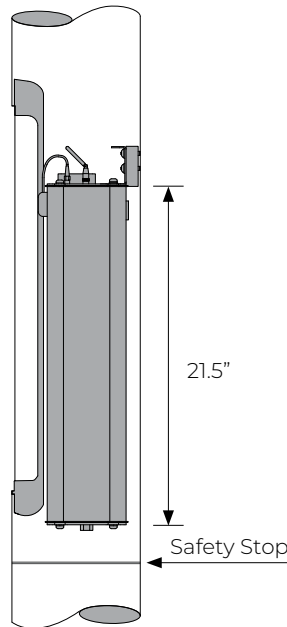
24' MH · 330Wp · 1250Wh · 60W LED Fixture



FSA60 Fixture

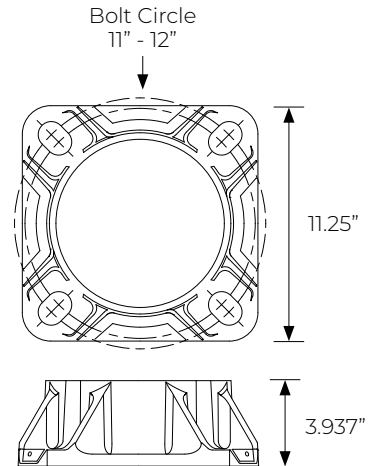


Solar Control Unit



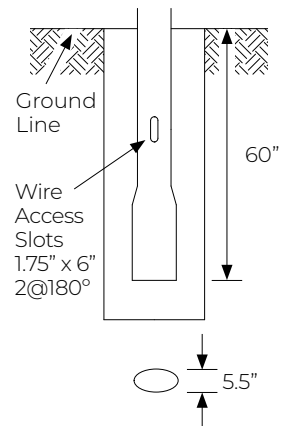
Anchorage Options

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.



Hapco Solar Pole

SOLAR TODAY. BRIGHTER TOMORROW.™



FSA60

60W LED Luminaire

HIGH EFFICIENCY. SUPERIOR PERFORMANCE. LONG LIFE.

Hapco's FSA60 features a streamlined, modern style with a sleek and aerodynamic form factor specifically designed as a component of the Hapco Solar Pole. Its performance and aesthetics are optimized for solar powered operation. A remote DC driver as part of the Hand Hole Power Pack helps to reduce operating temperature and extend operating life while improving efficiency. Multiple lens options provide the light distribution flexibility needed for a plethora of pedestrian scale applications. Built-in lighting control helps meet code requirements and solar performance.

- Modern styling blends aesthetically with the Hapco Solar Pole, making it an ideal choice for a myriad of project applications.
- Solar optimized performance.
- Modular optical lens designs.
- Clearly labeled plug and play cables for ease of installation.
- Temperature management for extended life.
- Integrated wireless controls with dynamic dimming.



IP66

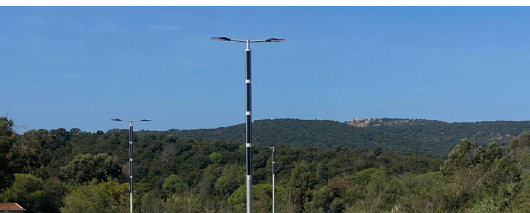
IK09

RoHS



Applications:

Streetscapes Walkways Pathways Parks & Rec
Residential Streets Commercial Centers Campuses





Hapco Solar Pole

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FSA60

60W 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: 60W
- 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

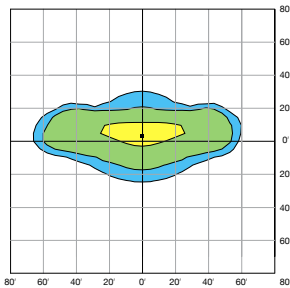
Light Module

- CCT: 4000K
- CRI: >70
- Operating Temperature: -30°F - 122°F
- LED Lifetime: >70,000 Hours
- Protection Grade: IP66

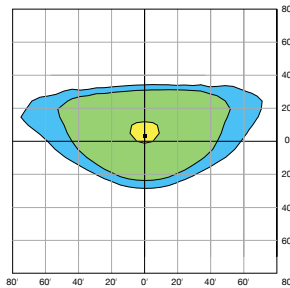
Warranty

- Warranty: 5-Year Limited Warranty

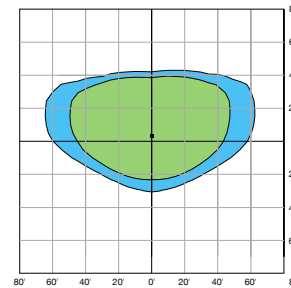
PHOTOMETRICS



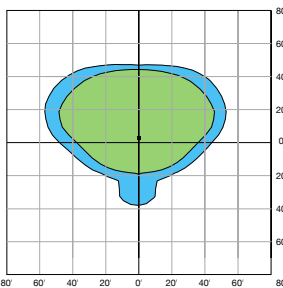
Type I
9583 Lumens



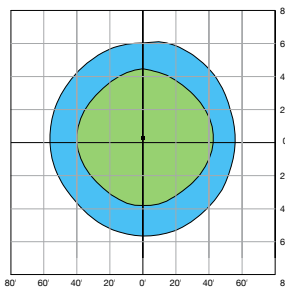
Type II
9583 Lumens



Type III
9583 Lumens



Type IV
9583 Lumens



Type V
9596 Lumens

- = 4 Foot Candles
- = 0.5 Foot Candles
- = 0.25 Foot Candles

Mounted at 24' AFG
LLF = 0.90

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26252 Hillman Highway
Abingdon, VA 24210