



Hapco Solar Pole

SOLAR TODAY. BRIGHTER TOMORROW.™

SLR4-FSA80

Quad Module Solar Pole

30' MH • 440Wp • 1250Wh • 80W 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

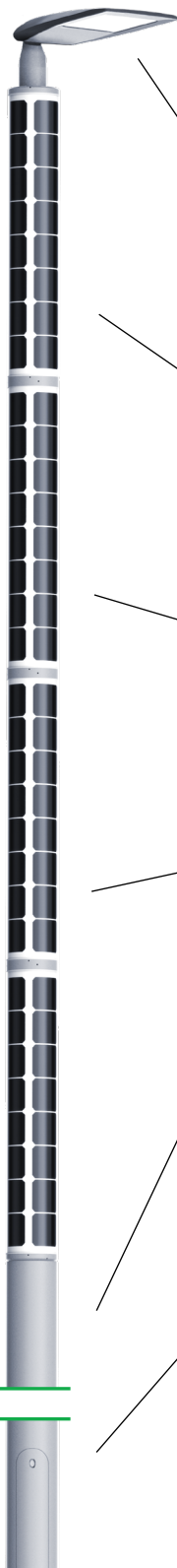


Optional Remote Monitoring



5-Year Warranty
(No Pro-Rating)

**A COMPLETELY ENGINEERED
SOLAR POLE SYSTEM**



LED Performance

Long life. High efficacy. Solar optimized remote LED 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:

SLR4-FSA80

Quad Module Solar Pole

30' MH · 440Wp · 1250Wh · 80W LED Fixture

Pole Specification

Material: 6063 Aluminum Alloy, Heat Treated After Weld

Mounting Height: 30'

Shaft/Top Dia.: 8"/4.5"

Wall Thickness: .250"

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: 4

Total Power: ~440 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

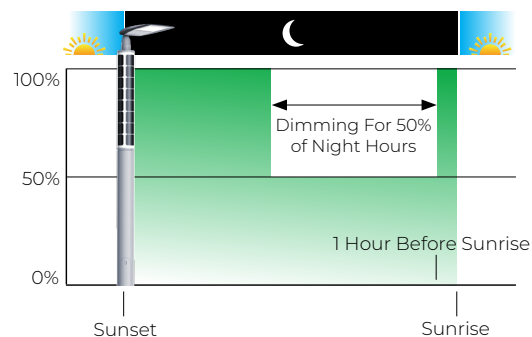
Time and Date: Astronomical Clock

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: FSA80

Wattage: 80W

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

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

SLR4 - ☐ - 1250 - 30 - F - ☐ - ☐ - FSA80 - 4K - ☐ - ☐ - ☐ - ☐

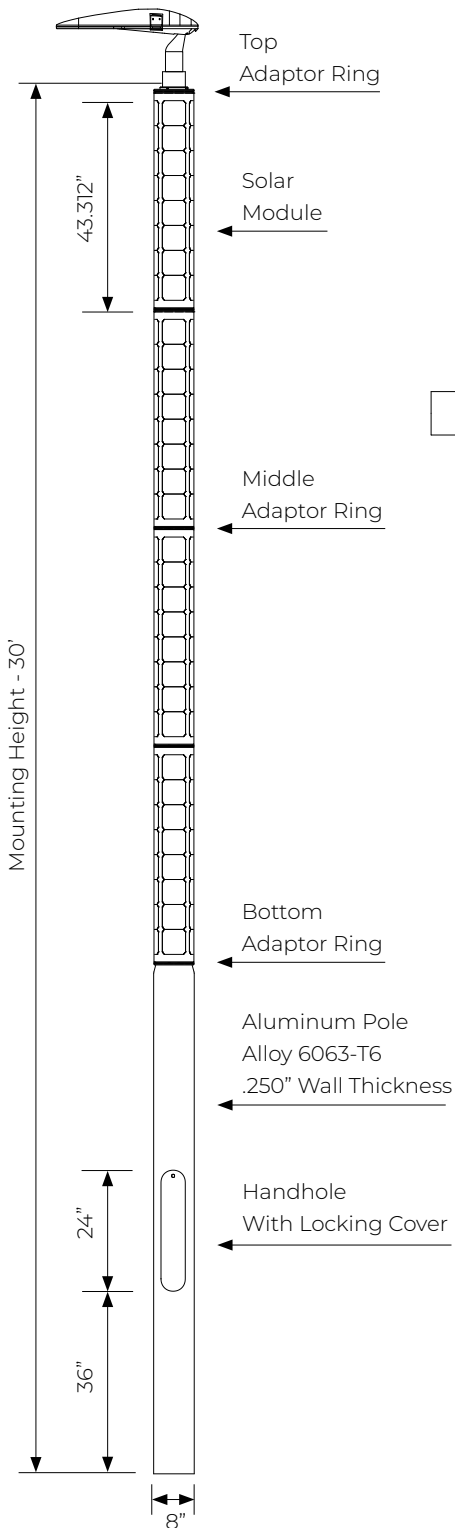
HAPCO SOLAR POLE	MODULE COLOR	BATTERY	MOUNTING HEIGHT	WALL THICKNESS	ANCHORAGE	POLE FINISH	FIXTURE	CCT	DISTRIBUTION	DIMMING SCHEDULE	FIXTURE FINISH	OPTIONS
SLR4 = Quad Module	B = Black W = White	1250 = 1250WH	30 = 30'	F = 0.250"	4 = 4-Bolt Base E = Direct Buried	O1 = Satin BA = Black Powder Coat	FSA80	4K = 4000K	T1 T2 T3 T4 T5	D1 = Default DX = Custom* *Specify Schedule	BK = Black GR = Gray	HYB = Hybrid Grid/Solar MOT = Motion Sensor M05 = 5 Year Monitoring M10 = 10 Year Monitoring *Add all that apply. Ex. HYB-MOT



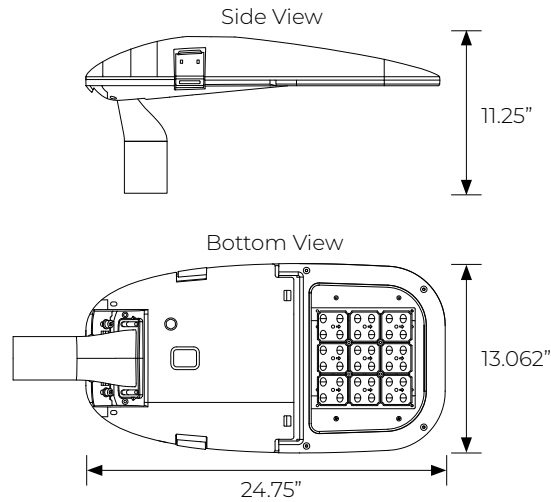
SLR4-FSA80

Quad Module Solar Pole

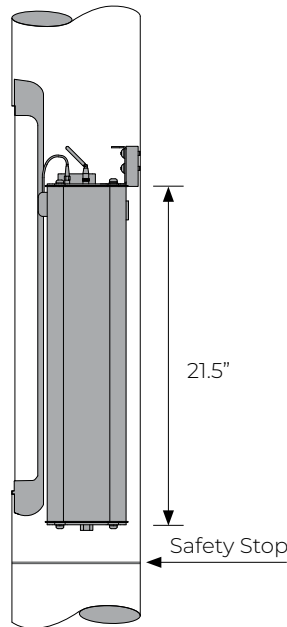
30' MH • 440Wp • 1250Wh • 80W LED Fixture



FSA60 Fixture

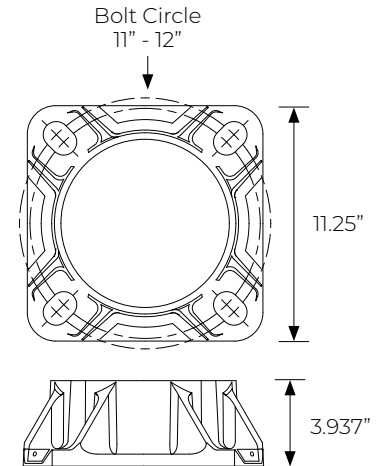


Solar Control Unit



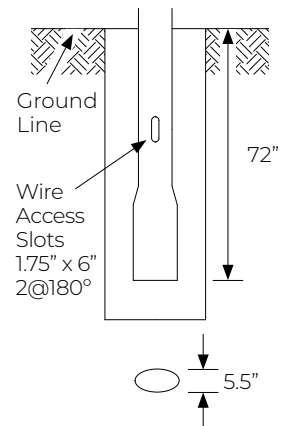
Anchorage Options

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.™



FSA80

80W LED Luminaire

HIGH EFFICIENCY. SUPERIOR PERFORMANCE. LONG LIFE.

Hapco's FSA80 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

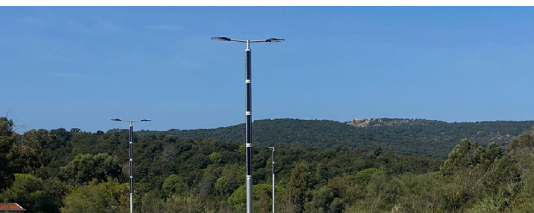
IK09

RoHS



Applications:

Streetscapes Walkways Pathways Parks & Rec
Residential Streets Commercial Centers Campuses





Hapco Solar Pole

SOLAR TODAY. BRIGHTER TOMORROW.™



FSA80

80W 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: 80W

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

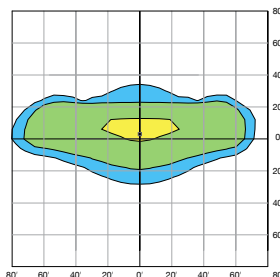
LED Lifetime: >70,000 Hours

Protection Grade: IP66

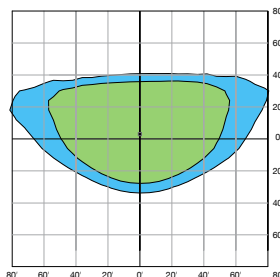
Warranty

Warranty: 5-Year Limited Warranty

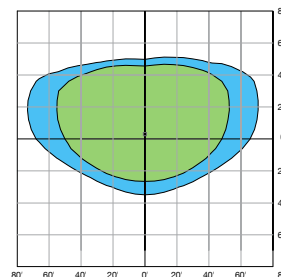
PHOTOMETRICS



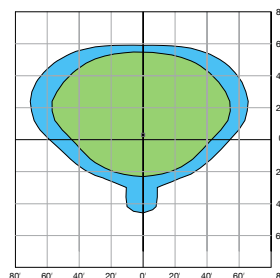
Type I
12201 Lumens



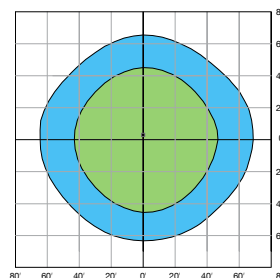
Type II
11952 Lumens






Type III
12201 Lumens



Type IV
12201 Lumens



Type V
11989 Lumens

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

Mounted at 30' AFG
LLF = 0.90

SOLAR TODAY. BRIGHTER TOMORROW.™



26252 Hillman Highway
Abingdon, VA 24210