



PRODUCT SPECIFICATION SHEET

INTEGRATED SOLAR LIGHT POLE ASSEMBLY

SF-SL-SH20/SF-SL-SH25/SF-SL-SH-30

MANUFACTURER PART NUMBER	REVISION	DATE	COUNTRY OF ORIGIN
SF-SL-SH20/SF-SL-SH25/SF-SL-SH-30	Rev. A	September 2026	UNITED STATES

1. PRODUCT DESCRIPTION

The SF Industries Integrated Solar Light Pole Assembly combines a hot-dip galvanized carbon-steel pole with an SFSL-180-50 integrated solar LED luminaire mounted at the top. The assembly is intended for outdoor area, site, walkway, parking, commercial, industrial, municipal, and pathway lighting. Available pole heights are 20 ft, 25 ft, and 30 ft. A pole-to-light mounting adapter is included; the adapter is selected as a 4 in. or 5 in. configuration to match the specified pole. The light fixture uses a 50 W integrated solar panel, 5,000 lm LED output, and an integrated LiFePO4 battery and control system.

2. PRODUCT IDENTIFICATION

SPECIFICATION	INFORMATION
Product Family	Integrated Solar Light Pole Assembly
Product Type	Top-mounted integrated solar LED light on galvanized steel pole
CSI MasterFormat	26 56 00 , 26 56 13, 26 56 19, 26 56, 23, 26 56 26, 26 56 33, o1 51 26
NAICS	332313 / 332312 (pole); 335132 (luminaire)
UNSPSC	3911609, 39111612, 39111500
Primary Applications	Parking lots, industrial yards, pathways, trails, commercial and municipal sites
Manufacturing Location	Brenham, Texas, USA

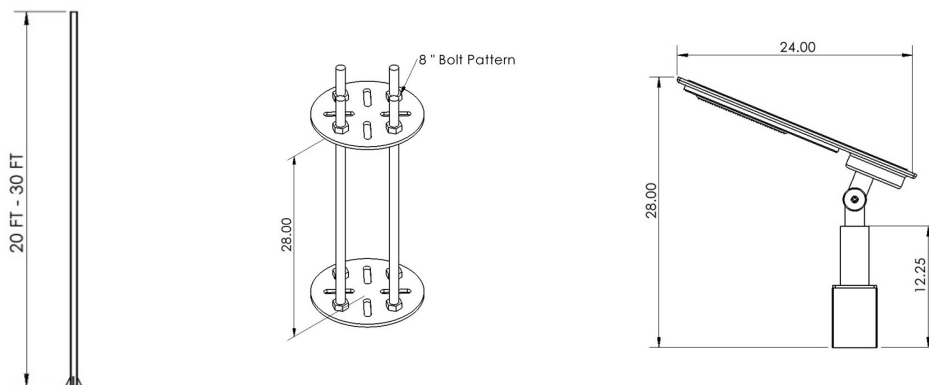
3. TECHNICAL SPECIFICATIONS

PARAMETER	REQUIREMENT / VALUE
Assembly Configuration	SF-SLP pole with SFSL-180-50 integrated solar light mounted at pole top
Pole Models / Heights	SF-SLP-20-G (20 ft), SF-SLP-25-G (25 ft), SF-SLP-30-G (30 ft)
Pole Cross-Section / Adapter	4 in. × 4 in. pole uses 4 in. adapter; 5 in. × 5 in. pole uses 5 in. adapter; confirm selected pole specification
Adapter	Pole-to-light mounting adapter included; selected to match pole specification
Pole Material	¼ in. carbon steel; hot-dip galvanized
Pole Finish	Galvanized coating; pole data sheet references ASTM A123



Pole Base / Foundation	Solid welded base plate; custom cage bolt assembly included
Pole Weight	<245 lb (pole data sheet); assembly weight based on configuration
Pole Wind Rating	Up to 150 mph; rating is fixture-dependent; engineering basis/site criteria to be verified
Luminaire Model	SFSL-180-50
Solar Panel	50 W monocrystalline solar panel
LED / Output	Bridgelux SMD3030; 5,000 lm; 6500 K; Ra >70
Beam Angle	145° × 70°
Battery	LiFePO4; 35 Ah; DOD >2000 (as stated in light data sheet)
Controls / Modes	Optical + intelligent timing control; proximity sensor and remote control; default mode = auto dusk to dawn with occupancy sensor
Operating Time / Charging	12 hrs/day; 3–5 day backup; 6–7 hour charging time
Enclosure / Environment	NEMA 4X / IP65; operating temperature 13–150°F (-25 to +65°C)
Luminaire Dimensions / Weight	26.5 × 12.75 × 7.5 in.; 15 lb
Light Fixture Mounting	Mounting Adapter Bracket
Recommended Light Mounting Height	Light data sheet states 20–30 ft; integrated assembly uses 20/25/30 ft pole options—confirm approved application/photometric suitability
Recommended Spacing	30–40 ft; actual spacing depends on layout, pole height, and site requirements
Rated Life / Warranty	50,000-hour stated lifespan; 5-year manufacturer warranty for luminaire

4. ENGINEERING DRAWING / DIMENSIONS



5. STANDARDS, QUALITY & COMPLIANCE

- Pole coating: ASTM A123 referenced in pole data sheet
- ISO 9001:2015 compliant manufacturing standards
- Pole wind rating stated up to 150 mph; fixture-dependent and subject to engineering/site verification



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- Luminaire: UL 8801 compliant; NEMA 4X / IP65 enclosure; RoHS stated in light data sheet

6. INSTALLATION & APPLICATION

The luminaire is mounted on top of the pole using the included pole-to-light adapter. Adapter size is selected as 4 in. or 5 in. according to the specified pole configuration. The pole includes a solid welded base plate and custom cage bolt assembly. Foundation design, anchor-bolt layout, concrete requirements, and installation torque must be established by approved project-specific engineering documents. Confirm that the 20 ft, 25 ft, or 30 ft pole and integrated fixture are suitable for the site wind conditions and intended lighting layout. 20-30 ft recommended installation height; verify application suitability for the selected pole height.



SP SF SH20-30
Installation Instructi



TECHNICAL & PROCUREMENT INFORMATION

INTEGRATED SOLAR LIGHT POLE ASSEMBLY • SF-SLP-20/25/30-G + SFSL-180-50

7. CONFIGURATIONS & OPTIONS

OPTION	STANDARD	CUSTOM / AVAILABLE
Pole Height	20 ft / 25 ft / 30 ft	Select model
Pole Size	4 in. × 4 in. or 5 in. × 5 in.	Confirm project/pole specification
Mounting Adapter	Included; 4 in. or 5 in. to match pole	Selected based on pole specification
Pole Material / Finish	¼ in. carbon steel; hot-dip galvanized	Per project basis
Luminaire	SFSL-180-50	No

8. MANUFACTURING & QUALITY

- Pole: hot-dip galvanized carbon steel; ASTM A123
- Manufacturing standards: ISO 9001:2015 compliant
- Pole structural welding: AWS D1.1

9. TECHNICAL DOCUMENTATION

DOCUMENT	AVAILABILITY
Product Data Sheets	Pole and SFSL-180-50 luminaire data sheets available
Assembly / Engineering Drawing	Available separately; confirm adapter and assembled dimensions
Installation Instructions	Pole and luminaire instructions apply; project-specific foundation design required
Certificate of Conformance	Available separately per project
Material Certifications	Available separately per project
Warranty	Luminaire: 5-year manufacturer warranty; pole per SF Industries terms available separately

10. ORDERING INFORMATION

FIELD	INFORMATION
Manufacturer	SF Industries USA
Manufacturer Part Number	SF-SL-SH20/SF-SL-SH25/SF-SL-SH-30
Unit of Measure	EA (complete assembly)
Package Quantity	1
Standard Lead Time	8-10 Weeks



SF INDUSTRIES USA

PRECISION METAL FABRICATION • OEM MANUFACTURING

CAGE Code:23ZN0
UEI: TCN3M1MU18R7

Warranty	Luminaire: 5 years; pole per SF Industries Terms and Conditions
Country of Origin	United States