



PRODUCT SPECIFICATION SHEET

DUAL-HEAD INTEGRATED SOLAR LIGHT POLE ASSEMBLY

SF-SL-DH20 | SF-SL-DH25 | SF-SL-DH30

MANUFACTURER PART NUMBER	REVISION	DATE	COUNTRY OF ORIGIN
SF-SL-DH20 / SF-SL-DH25 / SF-SL-DH30	Rev. A	September 2026	United States

1. PRODUCT DESCRIPTION

The SF Industries Dual-Head Integrated Solar Light Pole Assembly combines a galvanized carbon-steel pole with two SFSL-180-50 integrated solar LED luminaires mounted on a shared dual-fixture mounting arrangement. Available pole heights are 20 ft, 25 ft, and 30 ft. A pole-to-fixture adapter is included and selected for the specified 4 in. × 4 in. or 5 in. × 5 in. pole. Each luminaire has an integrated solar panel, LED light source, LiFePO4 battery, and control system. The dual-head configuration provides two independently integrated solar lighting heads on one pole.

2. PRODUCT IDENTIFICATION

SPECIFICATION	INFORMATION
Product Family	Dual-Head Integrated Solar Light Pole Assembly
Product Type	Two top-mounted integrated solar LED luminaires on a galvanized steel pole
Manufacturer	SF Industries LLC
CSI MasterFormat	26 56 00 , 26 56 13, 26 56 19, 26 56, 23, 26 56 26, 26 56 33, 01 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

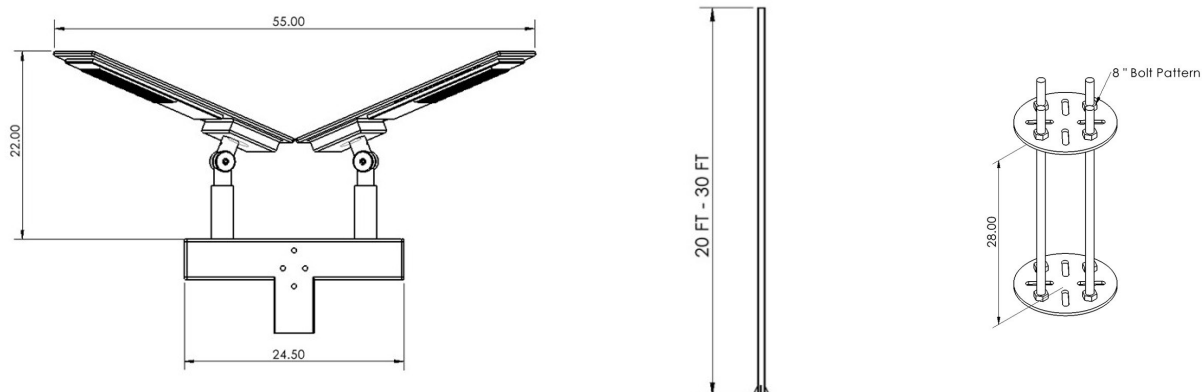
PARAMETER	REQUIREMENT / VALUE
Assembly Configuration	SF Industries pole with two SFSL-180-50 integrated solar luminaires on a dual-head mounting assembly
Manufacturer Part Numbers	SF-SL-DH20 (20 ft); SF-SL-DH25 (25 ft); SF-SL-DH30 (30 ft)
Pole Heights	20 ft / 25 ft / 30 ft
Pole Cross-Section / Adapter	4 in. × 4 in. pole: 4 in. adapter; 5 in. × 5 in. pole: 5 in. adapter. Confirm selected pole specification.
Adapter	Included; selected to match the 4 in. × 4 in. or 5 in. × 5 in. pole
Pole Material / Finish	¼ in. carbon steel; hot-dip galvanized ASTM A123.
Pole Base / Foundation	Solid welded base plate; custom cage bolt assembly included. Foundation design is project-specific.
Pole Weight	<245 lb; complete assembly weight depends on configuration.



Pole Wind Rating	Up to 150 mph; fixture-dependent. Engineering basis and site criteria must be verified.
Luminaire Model / Quantity	2 × SFSL-180-50
Solar Panel	50 W monocrystalline panel per luminaire; 2 luminaires per assembly
LED Output	5,000 lm per luminaire; 10,000 lm nominal combined output
LED / Color	Bridgelux SMD3030; 6500 K; Ra >70
Beam Angle	145° × 70° per luminaire
Battery	LiFePO4; 35 Ah per luminaire (per 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, and 6–7 hour charging time; actual performance depends on conditions and configuration.
Enclosure / Environment	NEMA 4X / IP65; operating temperature 13–150°F (-25 to +65°C), per light data sheet
Luminaire Dimensions / Weight	26.5 × 12.75 × 7.5 in.; 15 lb per luminaire
Mounting Configuration	Two fixtures mounted to a shared dual-head bracket/cross-arm arrangement; see reference drawing.
Recommended Mounting Height	Light data sheet states 20–30 ft; verify suitability for selected pole height and application.
Recommended Spacing	20-30ft luminaire; actual dual-head layout and spacing require project-specific information
Rated Life / Warranty	50,000-hour stated luminaire lifespan; 5-year luminaire manufacturer warranty. Pole warranty per SF Industries terms.

4. ENGINEERING DRAWING / MOUNTING REFERENCE

The reference image below illustrates the dual-head mounting concept: two fixtures extend outward from a central mounting assembly above the pole. Dimensions shown in the reference image are for visual reference only; verify final approved drawing and assembly dimensions before fabrication or installation.





Reference: dual-head fixture mounting arrangement (not a controlled dimensioned drawing)

5. STANDARDS, QUALITY & COMPLIANCE

- Pole coating: ASTM A123
- Manufacturing: ISO 9001:2015 compliant manufacturing standards.
- Pole structural welding: AWS D1.1
- Luminaire: UL 8801 compliant; NEMA 4X / IP65 enclosure; RoHS.
- Wind rating: up to 150 mph stated for pole; dual-fixture assembly and site-specific engineering must be verified.

6. INSTALLATION & APPLICATION

Mount both integrated solar luminaires using the approved dual-head mounting assembly and the included adapter sized to match the selected 4 in. × 4 in. or 5 in. × 5 in. pole. The pole includes a solid welded base plate and custom cage bolt assembly. Foundation design, anchor-bolt layout, concrete requirements, fasteners, and installation torque must be established by approved project-specific engineering documents. Confirm that the selected 20 ft, 25 ft, or 30 ft pole and the complete dual-head fixture assembly are suitable for site wind conditions, solar exposure, and intended lighting layout. Do not infer connection details or torque values from the illustrative mounting image.



SP-SF-DH20-30
Installation Instructi

7. CONFIGURATIONS & OPTIONS

OPTION	STANDARD	SELECTION / NOTES
Pole Height / Part Number	20 ft / SF-SL-DH20; 25 ft / SF-SL-DH25; 30 ft / SF-SL-DH30	Select model
Pole Size	4 in. × 4 in. or 5 in. × 5 in.	Confirm pole specification
Mounting Adapter	Included; 4 in. or 5 in.	Selected to match pole
Luminaire Quantity	Two SFSL-180-50 fixtures	Dual-head configuration
Pole Material / Finish	¼ in. carbon steel; hot-dip galvanized	Per project specification

8. MANUFACTURING & QUALITY

Pole: hot-dip galvanized carbon steel; ASTM A123 referenced in the pole data sheet. Manufacturing standards: ISO 9001:2015 compliant. Pole structural welding: AWS D1.1 as stated in the source specification sheet.



9. TECHNICAL DOCUMENTATION

DOCUMENT	AVAILABILITY
Product Data Sheets	Pole and SFSL-180-50 luminaire data sheets available
Assembly / Engineering Drawing	Dual-head mounting reference provided; approved controlled drawing and final assembled dimensions to be confirmed
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 and conditions

10. ORDERING INFORMATION

FIELD	INFORMATION
Manufacturer	SF Industries USA
Manufacturer Part Numbers	SF-SL-DH20 / SF-SL-DH25 / SF-SL-DH30
Unit of Measure	EA (complete assembly)
Package Quantity	1
Standard Lead Time	8–10 weeks (per source specification sheet; confirm at order)
Country of Origin	United States