



PRODUCT SPECIFICATION SHEET

INDUSTRIAL INTEGRATED SOLAR LIGHT

MANUFACTURER PART NUMBER	REVISION	DATE	COUNTRY OF ORIGIN
SFSL-180-50	Rev. 01	September 2026	United States

1. PRODUCT DESCRIPTION

The SFSL-180-50 Industrial Integrated Solar Light is an integrated solar-powered outdoor luminaire combining an LED light source, monocrystalline solar panel, LiFePO4 battery, optical and intelligent timing control, and adjustable fixture mounting.

2. PRODUCT IDENTIFICATION

SPECIFICATION	INFORMATION
Product Family	Industrial Integrated Solar Light
Product Type	Integrated Solar LED Luminaire
CSI MasterFormat	25 56 23, 25 56 23, 25 56 33, 25 56 26, 01 51 26
NAICS	335132
UNSPSC	39111600, 39111619
Primary Applications	Area Lighting, Site Lighting, Walkway Lighting, Temporary Lighting
Manufacturing Location	Texas, USA

3. TECHNICAL SPECIFICATIONS

PARAMETER	REQUIREMENT / VALUE
Model Number	SFSL-180-50
Solar Panel Power	50 W
LED Chips	Bridgelux SMD3030
CCT / CRI	CCT: 6500K; Ra >70
Beam Angle	145° × 70°
Lumen Flux	5,000 lm
LiFePO4 Li-ion Battery	DOD >2000; 35 Ah
Installation Height	10–15 ft
Interval Distance	30–40 ft
Work Mode (default)	1/3/6/1H; 100%/70%/30%/80%
Charging Time	6–7 hours
Working Time	12 hrs/day; 3–5 day backup
Control	Optical + intelligent timing control
Enclosure	NEMA 4X / IP65
Operating Temperature	13–150°F (-25 to +65°C)
Lifespan	50,000 hours
Mounting	1.5 in. NPT
Dimensions	26.5 × 12.75 × 7.5 in. (657 × 325 × 130 mm)



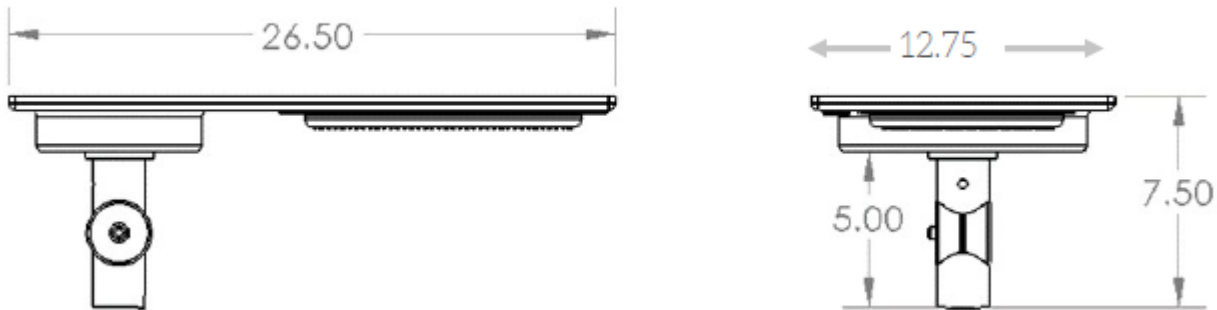
SF INDUSTRIES USA

PRECISION METAL FABRICATION • OEM MANUFACTURING

CAGE Code:23ZN0
UEI: TCN3M1MU18R7

Weight	15 lb (7.1 kg)
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4. ENGINEERING DRAWING / DIMENSIONS



Source drawing identifies overall dimensions of 26.5 in. × 12.75 in. × 7.5 in. and 1.5 in. NPT mounting.

5. STANDARDS, QUALITY & COMPLIANCE

- UL8801 Compliant
- NEMA 4X / IP65 enclosure
- 5-year manufacturer warranty
- ROHS Certified
- ISO9001:2015 compliant manufacturing standard

6. INSTALLATION & APPLICATION

Mounting: 1.5 in. NPT. The fixture has an adjustable mounting angle identified in the supplied data sheet as providing improved light distribution and improved solar capture. The stated installation height is 10–15 ft, with 30–40 ft spacing intervals depending on the application and actual mounting height. The supplied data sheet identifies Type 4 distribution as a 60-degree semicircular light pattern used for perimeters and mounting on the sides of buildings, beams, walls and walkways to provide forward lighting with minimal back lighting.



Integrated Solar
Light Installation M:



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TECHNICAL & PROCUREMENT INFORMATION

INDUSTRIAL INTEGRATED SOLAR LIGHT • SFSL-180-50

7. CONFIGURATIONS & OPTIONS

OPTION	STANDARD	CUSTOM / AVAILABLE
Solar / Light Source	50 W solar panel; Bridgelux SMD3030	No
CCT / CRI	6500K; Ra >70	No
Mounting	1.5 in. NPT	Custom Mounting Adapters Available
Fixture Angle	Adjustable	No
Control	Optical + intelligent timing control; proximity sensor; remote control	No
Work Mode	1/3/6/1H; 100%/70%/50%/30%	No

8. MANUFACTURING & QUALITY

- Product manufacturer: SF Industries USA.
- Manufacturing location: Texas, USA.
- ISO9001:2015 compliant manufacturing standards
- Product data sheet identifies a 5-year manufacturer warranty.

9. TECHNICAL DOCUMENTATION

DOCUMENT	AVAILABILITY
Product Data Sheet	Available separately
Engineering Drawing	Available separately
Installation Instructions	Available see section 6
Certificate of Conformance	Available separately
Material Certifications	NA
Warranty	5-year manufacturer warranty

10. ORDERING INFORMATION

Manufacturer	SF Industries USA
Manufacturer Part Number	SFSL-180-50
Unit of Measure	EA
Package Quantity	1
Standard Lead Time	Quantity dependent (4+ weeks)
Warranty	5 years, as stated in supplied data sheet
Country of Origin	United States