

ASSEMBLY & INSTALLATION INSTRUCTIONS

FLAT PACK STAND + INTEGRATED SOLAR LIGHT + TELESCOPING POLE

SF INDUSTRIES USA | PART NUMBER: FPS-SFSL-TEL

PRODUCT	APPLICATION	ASSEMBLY TYPE	REVISION
FPS-SFSL-TEL	Portable solar lighting	Flat Pack Stand + adjustable telescoping pole + SFSL-180-50	Rev. 01

1. PRODUCT APPLICATION

These instructions cover assembly of the SF Industries FPS-SFSL-TEL portable solar lighting system. The system consists of the interlocking Flat Pack Stand base, a telescoping pole made from 1.5 in. Schedule 40 6061 structural aluminum pipe, and one SFSL-180-50 integrated solar light. The pole adjusts to a selected height between 10 ft and 15 ft. The telescoping sections are secured with a bolt, nut, and washers; the pole assembly is secured to the Flat Pack Stand base with nuts, bolts, and washers.

2. SAFETY & PRE-ASSEMBLY REQUIREMENTS

- Read all steps before assembly. Two adults are recommended, especially when extending, raising, or positioning the pole and light.
- Assemble on a level, stable surface. Keep the work area clear and keep children and bystanders away from small parts and pinch points.
- Do not use any component that is damaged, bent, cracked, deformed, or missing hardware.
- Keep hands clear of telescoping sections, bolt holes, and the stand's interlocking slots while assembling or adjusting.
- Support the pole while changing height or loosening the telescoping lock. Do not allow the upper section to slide or drop uncontrolled.
- Confirm all fasteners are properly installed before raising or using the light.
- Keep the product away from corrosive chemicals. Do not modify, drill, weld, or cut components unless approved by SF Industries.
- Use the system only in conditions suitable for the complete assembly. A complete-system wind or structural load rating is not established by these instructions.

3. COMPONENTS & REQUIRED ITEMS

ITEM	DESCRIPTION
Flat Pack Stand base	Four interlocking StandFast® pieces, assembled as shown in the supplied Flat Pack Stand guide.
Telescoping pole	1.5 in. Schedule 40 6061 structural aluminum pipe; adjustable 10–15 ft.
Telescoping lock hardware	Bolt, nut, and washers used to secure the selected pole height.
Stand attachment hardware	Nuts, bolts, and washers used to secure the pole assembly to the Flat Pack Stand base.
Integrated solar light	1 × SFSL-180-50 integrated solar luminaire.
Tools	Appropriate wrenches/sockets for supplied hardware; torque wrench capable of measuring 75 ft-lb.

4. RECOMMENDED FASTENER TORQUE

Recommended torque for the assembly's bolts and nuts is 75 ft-lb, as specified for this product by the customer. Apply this value only where it is compatible with the actual fastener size, grade, material, and joint design. Because torque requirements vary by fastener and can damage aluminum components or threads, verify 75 ft-lb against the supplied fastener specifications and approved engineering instructions before tightening. If the specified torque is not suitable for a particular fastener or connection, stop and obtain direction from SF Industries; do not guess or substitute a value.

5. FLAT PACK STAND BASE ASSEMBLY

- 1. Lay out components** — Place all four StandFast® pieces flat on the assembly surface and inspect each piece.
- 2. Orient pieces** — Orient the four pieces according to the supplied Flat Pack Stand Assembly Guide.
- 3. Interlock pieces** — Slide each piece into its corresponding slot.

- 4. Seat the base** — Press each piece fully into its slot. Check that the stand is assembled squarely and all interlocks are engaged.

For this telescoping-pole configuration, the pole assembly attaches to the Flat Pack Stand base using the supplied nuts, bolts, and washers. Do not install a separate 2×4 center support unless the specific kit's approved assembly drawing or supplied parts call for it.

6. SET THE TELESCOPING POLE HEIGHT

- 5. Support the pole** — Lay the pole assembly in a controlled position and support it so the upper section cannot slide unexpectedly.
- 6. Select height** — Adjust the telescoping sections to the desired height within the 10 ft to 15 ft adjustment range. Align the designated locking holes.
- 7. Install locking hardware** — Install the specified bolt through the aligned locking holes, then fit the nut and washers in the supplied arrangement.
- 8. Tighten and verify** — Tighten the fastener to the approved torque for that fastener. Confirm the bolt passes through the intended holes, the nut is secure, and the pole cannot telescope or rotate unintentionally.

7. ATTACH POLE TO THE FLAT PACK STAND

- 9. Position pole** — Place the pole's base/interface into the designated mounting location on the assembled Flat Pack Stand base.
- 10. Install hardware** — Align the mounting holes. Install the supplied bolts with washers and nuts in the specified arrangement.
- 11. Tighten connections** — Tighten the stand attachment fasteners to the approved torque for the supplied hardware. Use 75 ft-lb only after confirming it is appropriate for those fasteners and the joint.
- 12. Check stability** — Verify that the pole is seated correctly, the hardware is fully engaged, and the pole is secure to the stand before mounting or raising the light.

8. INSTALL THE INTEGRATED SOLAR LIGHT

- 13. Prepare the light** — Inspect the SFSL-180-50 luminaire, solar panel, and mounting interface for damage.
- 14. Attach luminaire** — Mount the light to the top of the telescoping pole using the specified interface and supplied/approved hardware. Do not force or cross-thread the connection.
- 15. Orient the light** — Aim the luminaire toward the intended area. Position the solar panel for unobstructed sunlight, following the current SFSL-180-50 product instructions.
- 16. Final tightening** — Secure all light-mounting hardware according to the applicable hardware specifications. Do not apply the 75 ft-lb recommendation to a connection unless it is suitable for that fastener and interface.

9. FINAL ASSEMBLY CHECK

- All four StandFast® pieces are fully seated in their corresponding slots.
- The telescoping pole is set to the desired height between 10 ft and 15 ft.
- The telescoping lock bolt, nut, and washers are installed and secure.
- The pole is attached to the Flat Pack Stand base with the specified nuts, bolts, and washers.
- All fasteners are tightened to the applicable approved torque.
- The integrated solar light is securely mounted and correctly oriented.
- The solar panel is clear of obstructions and positioned for sunlight.
- The complete assembly is stable on the intended surface, with no visible damage, loose hardware, or unintended movement.

10. USE, HEIGHT ADJUSTMENT & DISASSEMBLY

Before changing the pole height, support the pole and light assembly, loosen and remove the telescoping lock hardware as required, adjust to the desired height, realign the locking holes, and reinstall the bolt, nut, and washers. Never adjust the pole while it is unsupported. To disassemble, remove the light as directed by its instructions, support the pole, remove the stand attachment hardware, and separate the stand components. Keep all hardware together for reassembly.

11. CARE & INSPECTION

- Before each use, inspect stand interlocks, pole sections, telescoping holes, locking hardware, stand attachment points, and light mounting.
- Check for loose fasteners, damaged threads, cracks, bending, corrosion, or wear. Remove the product from service if any issue is found.
- After transport, impact, or severe weather, inspect the complete assembly before reuse.
- If disassembled, repeat the full assembly sequence and verify all locks and fasteners before use.

12. TECHNICAL REFERENCE

PARAMETER	SPECIFICATION
Product	Flat Pack Stand + Integrated Solar Light + Telescoping Pole
Part Number	FPS-SFSL-TEL
Integrated Light	SFSL-180-50
Telescoping Pole Material	1.5 in. Schedule 40 6061 structural aluminum pipe
Adjustable Height	10 ft–15 ft
Telescoping Lock	Bolt, nut, and washers
Pole-to-Stand Attachment	Nuts, bolts, and washers
Recommended Torque	75 ft-lb, subject to verification against actual fastener specifications and approved joint requirements
Flat Pack Stand Assembly	Four interlocking StandFast® pieces; follow supplied Flat Pack Stand Assembly Guide
Manufacturer	SF Industries USA

Use these instructions with the supplied Flat Pack Stand Assembly Guide, current SFSL-180-50 product instructions, and any approved assembly drawing or fastener documentation. Where a required connection detail, fastener specification, or torque value is unclear, contact SF Industries before proceeding.