

**DESCRIPTION**

The SSF LED Linear Stairwell Series features a sleek yet robust construction with an IK08 impact-tested steel housing, vandal-proof hardware and UV-stabilized polycarbonate lens. The SSF Series is offered in both 2' and 4' configurations and comes standard with an integral microwave sensor centered behind the lens providing 2 or 3 step - level dimming as well as optional daylight harvesting capability. Internal switches allow the user to select the CCT (3000K-3500K-4000K) and the power output (between 10W to 40W, depending on fixture size), providing maximum project flexibility. The SSF is offered with a battery backup option providing 90 minutes of emergency egress lighting. The SSF is a DesignLights Consortium® PREMIUM qualified product in the stairwell and linear ambient category, maximizing energy-savings and utility rebates. Designed for stairwell applications, the SSF can be used in a wide variety of other indoor, general ambient lighting applications including schools, hospitals and stores and is the perfect choice for both new construction and retrofits.

**SPECIFICATIONS**

**Construction:**

- Durable 4-3/8" width, 22-gauge steel enclosure in a white powder coated finish, IK08 impact tested, 2' and 4' length
- Vandal-resistant Pin-In Torx hardware
- Flanged housing ends secure the lens in place
- Several knockouts across the bottom of the housing and the two ends
- All visible hardware in a white finish to match enclosure

**Optics/LEDs:**

- UV-stabilized frosted polycarbonate lens offering an even, diffused light
- Units provide a range of lumen packages by simply selecting the wattage desired for your application;
  - 2' unit – wattage selectable from 10W through 30W offering up to 3850 lumens
  - 4' unit – wattage selectable from 12W through 40W offering up to 5320 lumens
  - Switches are located inside fixture
- Significant energy savings compared to traditional light sources with up to 130 LPW
- Color switchable between 3000K, 3500K and 4000K CCT. Switch is located inside the fixture.
- L70 >100,000 hours
- CRI ≥80

**Electrical:**

- Class 2 power supply, 120 to 277VAC, 50/60Hz
- 0-10V dimming driver, 1-100% flicker-free dimming
- 12V auxiliary output from the driver
- 4KV driver protection
- All units are provided with an integral microwave sensor, centered behind the lens. Sensor allows for 2 or 3 step - level dimming and has optional daylight harvesting capabilities. Settings can be adjusted via optional remote control accessory. See sensor details for default sensor settings.
- Sensor can easily be disabled for on/off fixture operation

**Testing & Compliance:**

- cETLus Listed for Damp Locations
- Operating temperatures: -20°C to 40°C (-40°F to 104°F)
- DesignLights Consortium® (DLC) PREMIUM Qualified in the stairwell and linear ambient category (consult QPL for qualified models)

**Warranty:**

- Five Year Warranty (Terms and Conditions Apply)

**Options:**

- Integral battery Backup (BB option) offers 875 lumens and over 90 minutes of emergency powered illumination for path of egress. Rated for ambient temperatures of 0°C to 40°C (32°F to 104°F)

Model: \_\_\_\_\_ Date: \_\_\_\_\_  
 Accessories: \_\_\_\_\_  
 Job Name: \_\_\_\_\_ Type: \_\_\_\_\_



Specs at a Glance*								
Model	SSF-2				SSF-4			
<b>Wattage (W)*</b>	10W	15W	20W	30W	12W	18W	25W	40W
<b>Lumens (lm)</b>	1290	1980	2810	3850	1590	2320	3250	5320
<b>Efficacy (LPW)</b>	130LPW							
<b>CCT (K)</b>	Switchable (3000K-3500K-4000K)							
<b>CRI</b>	≥80							
<b>Input Voltage</b>	120-277VAC, 50/60Hz							
<b>Operating Temp</b>	-20°C to 40°C (-4°F to 104°F)							
<b>Certifications</b>	cETLus Listed for Damp Locations, DLC PREMIUM							
<b>Warranty</b>	5 Years							
<b>Weight**</b>	4.4 lbs				8.2 lbs			

\* Nominal wattage. Tested at 4000K CCT.  
 \*\* Net weight without battery backup (add 0.9 lbs for battery backup)  
 Note: Environment and application will affect performance. Typical values and 25°C used for testing. Specifications subject to change without notice.

**Accessories:**

- Remote control for sensor (TL-RC-SCNS) allows field programming of sensor settings. Default sensor settings provided in sensor detail section (this accessory is not required if default settings are acceptable)
- 2' Long, T20 Torx Pin-In security (TRHT-T20-PIN), 1/4" drive bit hex shaft for standard drills

**Installation:**

- For ceiling or wall surface mount installation
- Several knockouts behind the enclosure and on both ends for flexibility in mounting
- Remove one end cap to slide and snap out the lens for easy access to inside the fixture
- Clips inside the fixture provide simple access for wiring and installation as well as access to the CCT and power selectable switches
- Not suitable for installation in T-bar ceilings without field mounting modifications to be determined by installer
- Includes security cable to hold led tray in place during installation
- Includes quick connect on leads for easy easy wiring

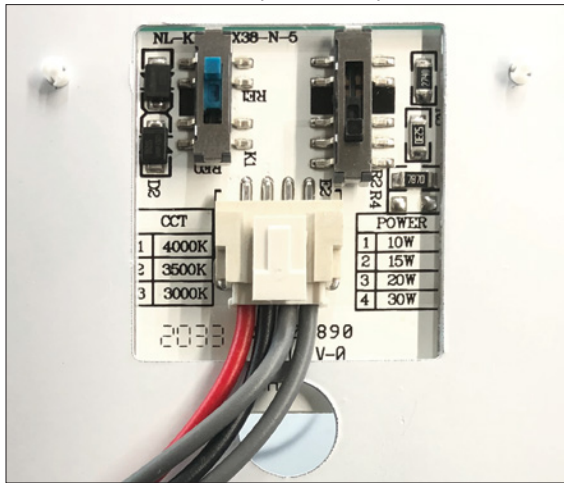
**Ordering Information** (Example: SSF-4-CP-SC)

SKU	Description
SSF-2-CP-SC	2' Linear Stairwell, Switchable 3000K-3500K-4000K CCT, Switchable 10W-15W-20W-30W, Integral Microwave Sensor, White Finish
SSF-2-CP-BB-SC	2' Linear Stairwell, Switchable 3000K-3500K-4000K CCT, Switchable 10W-15W-20W-30W, Integral Microwave Sensor, Battery Backup, White Finish
SSF-4-CP-SC	4' Linear Stairwell, Switchable 3000K-3500K-4000K CCT, Switchable 12W-18W-25W-40W, Integral Microwave Sensor, White Finish
SSF-4-CP-BB-SC	4' Linear Stairwell, Switchable 3000K-3500K-4000K CCT, Switchable 12W-18W-25W-40W, Integral Microwave Sensor, Battery Backup White Finish

Notes	Accessories* (Field Installed)
1 Order as a separate line item. Shipped in a separate box for final installation in the field	TL-RC-SCNS = Remote control required for sensor field programming TRHT-T20-PIN = 2" Long, T20 Torx Pin-In Security, 1/4" Drive Bit Hex Shaft for Standard Drills

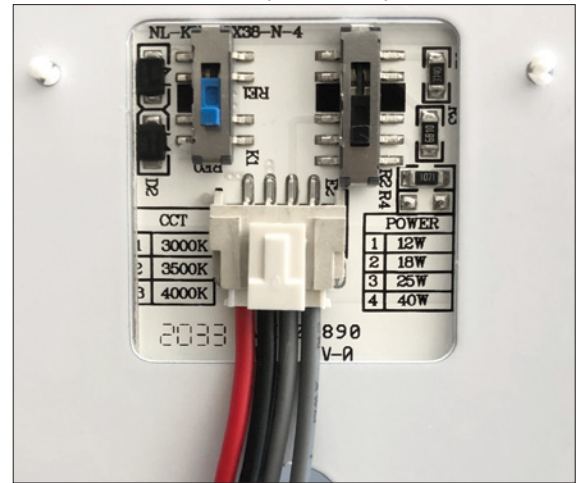
**Color & Power Selectable Switch Details**

**SSF-2 (2 Foot Unit)**



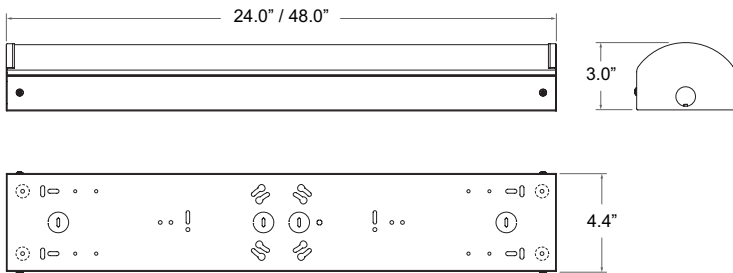
Power Switchable: 10W-15W-20W-30W (default)  
 CCT Switchable: 3000K-3500K-4000K (default)

**SSF-4 (4 Foot Unit)**



Power Switchable: 12W-18W-25W-40W (default)  
 CCT Switchable: 3000K-3500K-4000K (default)

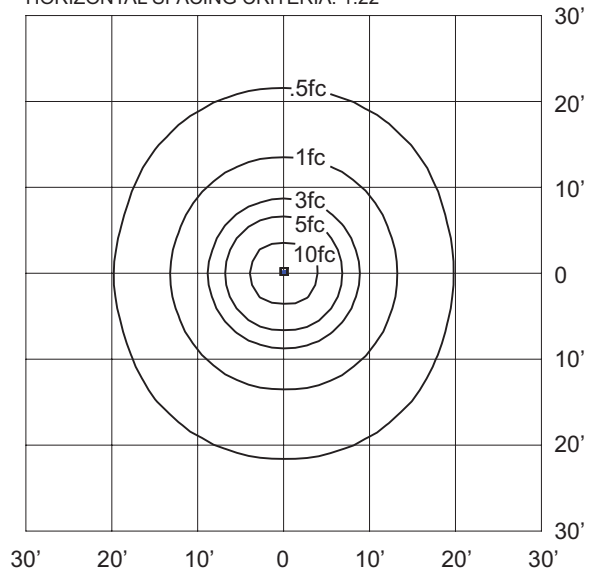
**Dimensions**



**Sample Photometry**

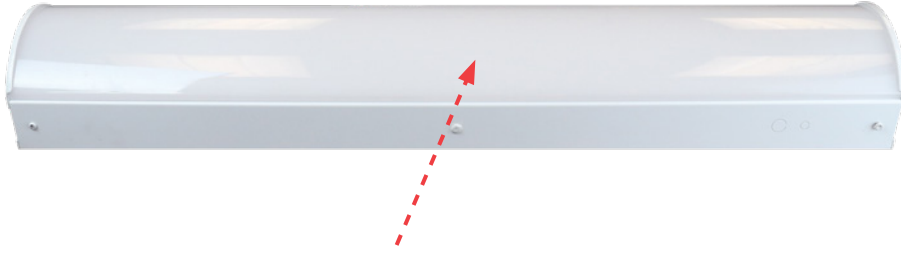
**SSF-4-CP: 40W, 4000K CCT**

IES: TYPE VS Very Short  
 MOUNTING HEIGHT: 8'  
 TILT: ZERO  
 HORIZONTAL SPACING CRITERIA: 1.22



Specifications are subject to change without notice.  
 Installation must be performed in accordance with  
 Barron Lighting Group installation instructions.

## Sensor Details



- 5.8Ghz C-band microwave sensor located in the center of the unit behind the lens
- 12V/24V DC input
- 0-10V DC output signal
- Can provide two or three step occupancy settings with optional daylight harvesting capabilities
- IR remote control programing/commissioning (sold separately) allows user to program:
  - Sensitivity (100%, 75%, 50% or 25%)
  - Daylight harvesting (400lux, 5000lux, 1000lux, disabled)
  - Standby/Hold time before dimming (30sec, 90sec, 5min, 10min, 30min)
  - Dim/Twilight level (0%, 10%, 30%, 50%)
  - Standby/Twilight time before unit turns off (+∞/does not turn off, 10min, 30min, 1hr)
- Detection range up to 40'. Mounting height between 8' – 20'
- Sensor can easily be disabled for fixture on/off operation



### Sensor Default Settings

- Sensitivity: 100%
- Daylight: Disabled
- Hold time--5min
- Standby time-- +∞
- Standby dimming--50%