

DESCRIPTION

The SWL-EM 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 SWL-EM 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 SWL-EM 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 SWL-EM 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.

Model: _____ Date: _____
 Accessories: _____
 Job Name: _____ Type: _____



SPECIFICATIONS

Construction:

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

Optics/LEDs:

- Z UV-stabilized frosted polycarbonate lens offering an even, diffused light
- Z 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
- Z Switches are located inside fixture

- Z Significant energy savings compared to traditional light sources with up to 130 LPW
- Z Color switchable between 3000K, 3500K and 4000K CCT. Switch is located inside the fixture.
- Z L70 >100,000 hours
- Z CRI ≥80

Electrical:

- Z Class 2 power supply, 120 to 277VAC, 50/60Hz
- Z 0-10V dimming driver, 1-100% flicker-free dimming
- Z 12V auxiliary output from the driver
- Z 4KV driver protection
- Z 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.
- Z Sensor can easily be disabled for on/off fixture operation

Testing & Compliance:

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

Warranty:

- Z Five Year Warranty (Terms and Conditions Apply)

Options:

- Z 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)



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

- Z 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)
- Z 2' Long, T20 Torx Pin-In security (TRHT-T20-PIN), 1/4" drive bit hex shaft for standard drills

Installation:

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

Ordering Information (Example: SWL-EM)

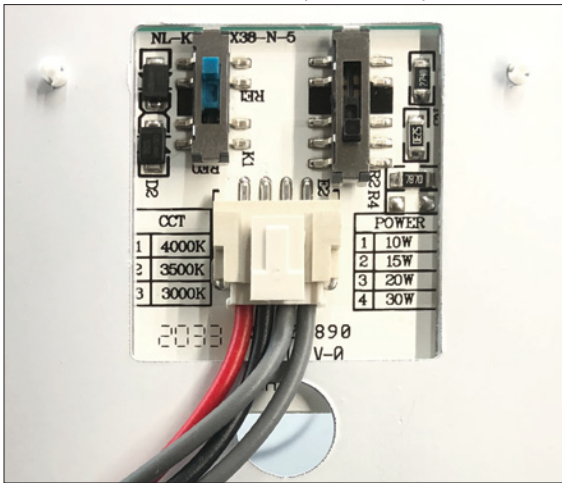
SKU Description

| | |
|-----------------|--|
| SWL-EM-CP-SC | 2' Linear Stairwell, Switchable 3000K-3500K-4000K CCT, Switchable 10W-15W-20W-30W, Integral Microwave Sensor, White Finish |
| SWL-EM-CP-BB-SC | 2' Linear Stairwell, Switchable 3000K-3500K-4000K CCT, Switchable 10W-15W-20W-30W, Integral Microwave Sensor, Battery Backup, White Finish |
| SWL-EM-CP-SC | 4' Linear Stairwell, Switchable 3000K-3500K-4000K CCT, Switchable 12W-18W-25W-40W, Integral Microwave Sensor, White Finish |
| SWL-EM-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 ¹ (Field Installed) |
|---|--|
| ¹ Order as a separate line item. | TL-RC-SCNS = Remote control required for sensor field programming |
| Shipped in a separate box for final installation in the field | TRHT-T20-PIN = 2" Long, T20 Torx Pin-In Security, 1/4" Drive Bit Hex Shaft for Standard Drills |

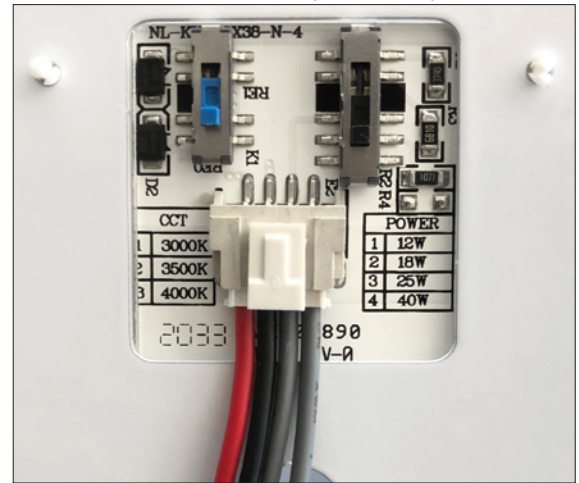
Color & Power Selectable Switch Details

SWL-EM-2 (2 Foot Unit)



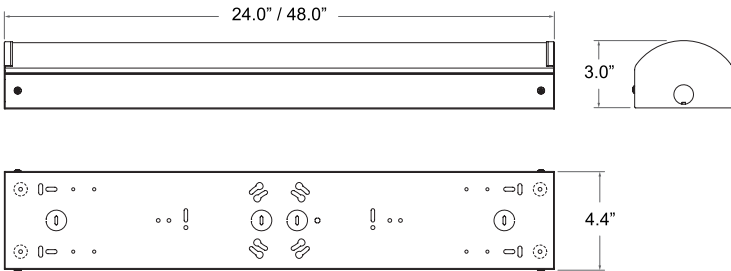
Power Switchable: 10W-15W-20W-30W (default)
 CCT Switchable: 3000K-3500K-4000K (default)

SWL-EM-4 (4 Foot Unit)



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

Dimensions

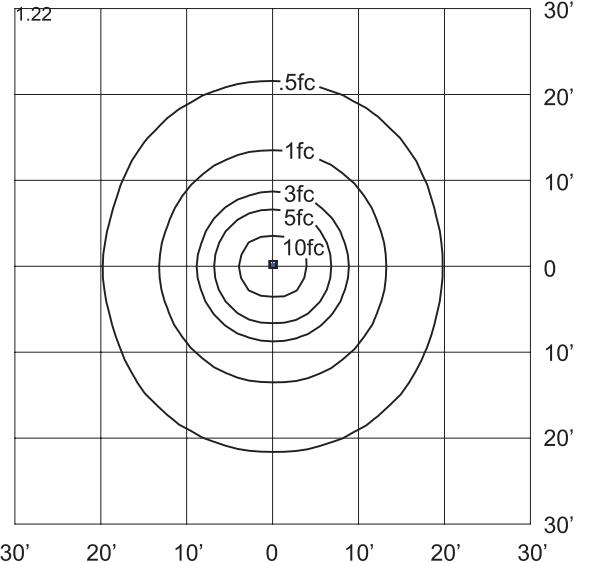


Sample Photometry

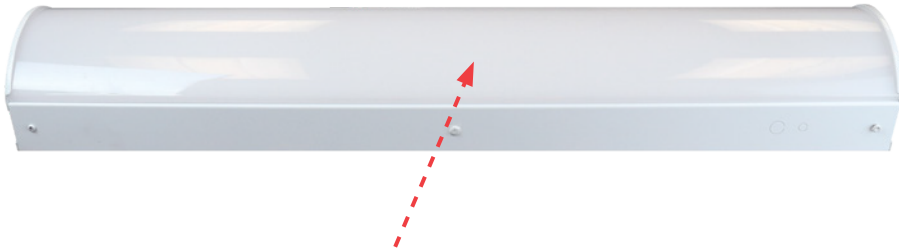
SWL-EM-4-CP: 40W, 4000K CCT

IES: TYPE VS Very Short
 MOUNTING HEIGHT: 8'
 TILT: ZERO

HORIZONTAL SPACING CRITERIA:



Sensor Details



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



Sensor Default Settings

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