

**DESCRIPTION**

The SLS Series includes 2', 4' and 8' covered LED strip lights designed to replace fluorescent strip lighting. This updated strip series is color switchable between 3500K, 4000K and 5000K. In addition, the 4' is offered with a power switchable option allowing the unit to switch from 30W, 40W and 50W, providing up to 6500 lumens. The SLS Series is also offered with integral battery backup, an integral multi-level dimming sensor installed behind the lens and linkable accessories allowing the unit to be linked up to 140', suspended or surface mounted. This high-efficacy luminaire is a cost-effective solution that provides long-life, uniform illumination and simple installation with toolless direct access to the driver compartment. The SLS Series delivers general ambient lighting perfect for indoor settings including schools, hospitals and stores, and is ideal for both new construction and retrofits in surface or suspended mount applications.

**SPECIFICATIONS**

**Construction:**

- Steel housing in a white finish
- Toolless direct access to the driver compartment by pressing on the two buttons on each end
- Available in three lengths, several different lumen packages:
  - 2' Unit, 20W, 2600 lumens
  - 4' Unit, 40W, 5200 lumens
  - 4' Unit, Power Switchable (30W-40W-50W), 3900-5200-6500 lumens
  - 8' Unit, 64W, 8320 lumens
- Two knockouts on both ends and several beneath the unit for ease of installation

**Optics/LEDs:**

- Polycarbonate lens and end caps that provides uniform illumination along the entire length of the luminaire with no visible LED pixilation, lens is IK08 impact tested
- General 120° distribution
- Efficacies up to 130 LPW maximizes energy savings and utility rebates
- CCT switchable (3500K, 4000K and 5000K)
- 4' Unit offered in power switchable configuration (30W-40W-50W) offering up to 6500 lumens
- CRI of ≥80
- L70 >100,000 hours
- L90 rated at 54,000 hours

**Electrical:**

- 100-277VAC, 50/60Hz
- 1-10V Dimming driver

**Installation:**

- Toolless direct access to the driver compartment by pressing on the two buttons on each end
- Suspension or surface mount installation (suspension kit sold separately)
- Continuous row mounting (linkable adapter required) linkable up to 140'
- Several knockouts along the enclosure for flexibility in mounting
- Not suitable for installation in T-bar ceiling without field mounting modifications to be determined by installer

**Options**

- Integral battery backup (BB) provides 900 lumens and 90 minutes of emergency run time for path of egress (4' and 8' models only). Rated for ambient temperatures of 0°C to 40°C (32°F to 104°F)
- Multi-level dimming sensor with daylight harvesting capability available for additional energy savings (SC) and can be controlled via DIP switches or remote control (sold separately) Not available for SLS-4-40-C configuration

**Testing & Compliance:**

- cUL Listed for Damp Locations
- DesignLights Consortium® (DLC) PREMIUM Qualified
- IK08 Rated
- Operating temperatures: -20°C to 40°C (-4°F to 104°F)

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



**Specs at a Glance**

Model	SLS-2-20-C	SLS-4-40-C	SLS-4-50-CP	SLS-8-64-C
<b>Length*</b>	2'	4'		8'
<b>Wattage**</b>	20W	40W	Switchable 30W-40W-50W	64W
<b>Lumens (lm)</b>	2600	5200	3900-5200-6500	8320
<b>Efficacy (LPW)</b>	130LPW			
<b>Distribution</b>	General 120°			
<b>CCT (K)</b>	Switchable (3500K-4000K-5000K)			
<b>CRI</b>	>80			
<b>Input Voltage</b>	120-277VAC, 50/60Hz, 0-10V Dimming			
<b>Operating Temp</b>	-20°C to 40°C (-4°F to 104°F)			
<b>Certifications</b>	cULus Listed for Damp Locations, DLC PREMIUM			
<b>Warranty</b>	5 Years			
<b>Weight</b>	3.3lbs	4.9lbs		8.6lbs

\*Nominal length      \*\*Nominal wattage, tested at 5000K CCT  
**Note:** Environment and application will affect actual performance.  
 Typical values and 25°C used for testing.

**Warranty:**

- Five Year Warranty (Terms and Conditions Apply)

**Accessories**

- Cable suspension mount kit (SLS-4-CMK & SLS-8-CMK)
- Linkable adapter bracket allows units to be linked end to end for continuous rows with seamless illumination (for both surface and flush mount configurations)
- Max units linkable:
  - SLS-2-20, 27 pcs @120VAC, 60 pcs @ 277VAC
  - SLS-4-40, 13 pcs @120VAC, 30 pcs @277VAC
  - SLS-4-50, 10 pcs @ 120VAC, 24 pcs @ 277VAC
  - SLS-8-64, 8 pcs @120VAC, 18 pcs @ 277VAC
- Remote control for sensor allows for field programming (TL-HA-REMOTE)

**Ordering Information** (Example: SLS-4-40-C)

Series	Length/Wattage/CCT	Options (Factory Installed)
SLS	2-20-C = 2', 20W, Color Switchable (3500K-4000K-5000K)	BB <sup>1</sup> = Battery Backup
	4-40-C = 4', 40W, Color Switchable (3500K-4000K-5000K)	SC <sup>2</sup> = Sensor Option
	4-50-CP = 4', 50W, Color Switchable (3500K-4000K-5000K) & Power Switchable (30W-40W-50W)	
	8-64-C = 8', 64W, Color Switchable (3500K-4000K-5000K)	

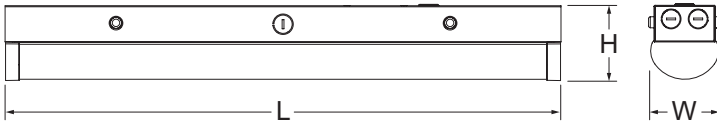
**Notes**

- <sup>1</sup> Not available on 2-20-C configurations
- <sup>2</sup> Not available on 4-40-C configuration
- <sup>3</sup> Order as a separate line item, shipped in a separate box for installation in the field
- <sup>4</sup> Remote control not required if sensor settings are acceptable

**Accessories<sup>3</sup> (Field Installed)**

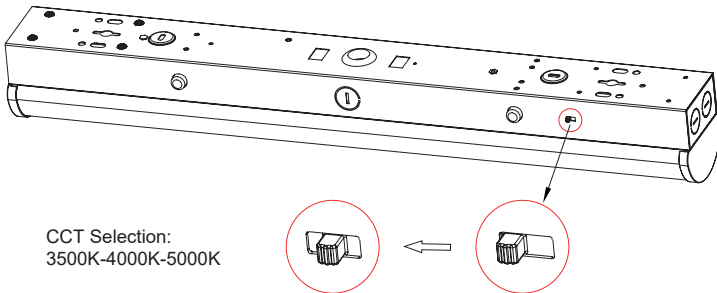
- SLS-4-CMK = Cable suspension mounting kit for 2' & 4' units
- SLS-8-CMK = Cable suspension mounting kit for 8' unit
- SLS-L4F = Surface/Flush Mount Linkable Bracket for 2' & 4' units
- SLS-L4S = Suspension Mount Linkable Bracket for 2' & 4' units
- SLS-L8F = Surface / Flush Mount Linkable Bracket for 8' units
- SLS-L8S = Suspension Mount Linkable Bracket for 8' units
- TL-HA-REMOTE<sup>4</sup> = Remote Control For Sensor

**Dimensions**



Model	L	W	H
SLS-2	24.0"	3.0"	3.2"
SLS-4	48.0"	3.0"	3.2"
SLS-8	96.0"	3.0"	3.2"

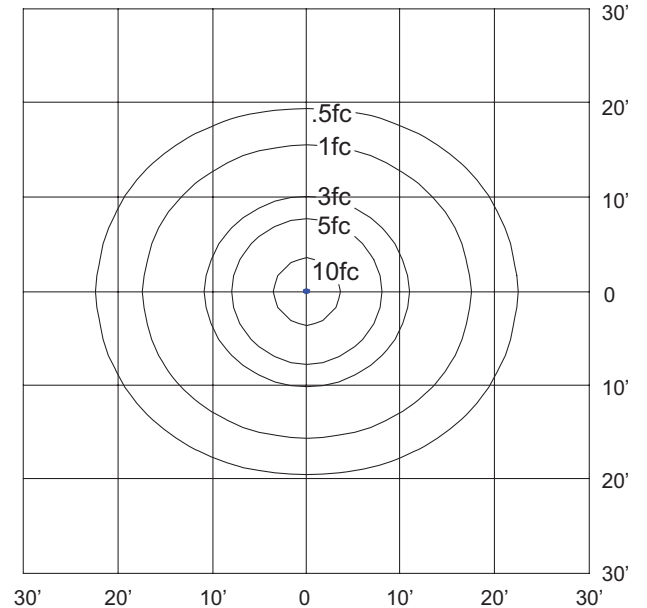
**Switch Location**



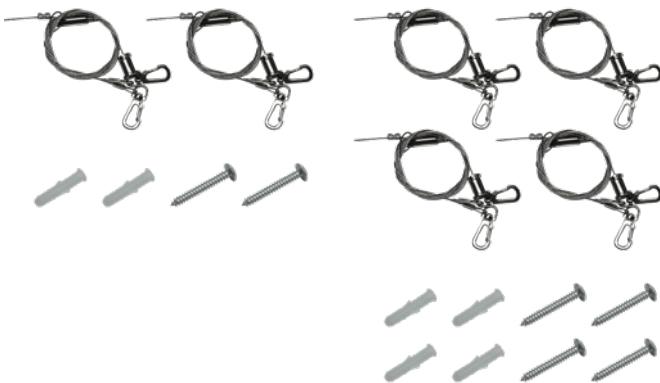
**Sample Photometry**

**SLS-4-40-C; 4000K CCT**

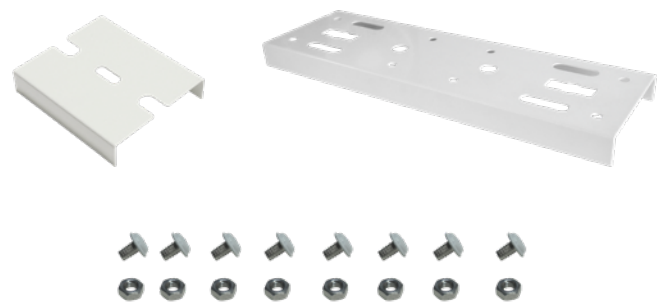
IES: TYPE VS Very Short  
 MOUNTING HEIGHT: 10'  
 TILT: ZERO  
 HORIZONTAL SPACING CRITERIA: 1.26



**Cable Suspension Mounting Kit Detail (SLS-4-CMK, SLS-8-CMK)**



**Linkable Bracket Detail (SLS-LxF, SLS-LxS)**



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

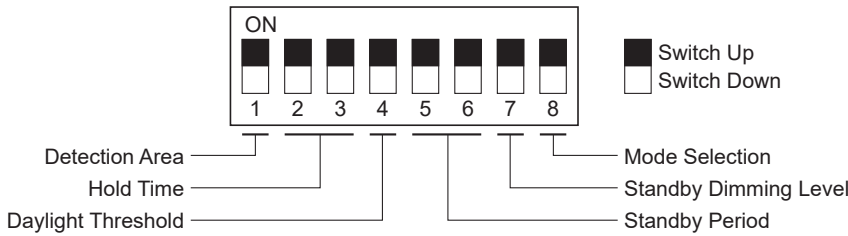
## Sensor Settings

IR remote control programming/commissioning (sold separately) allows user to program:

- Sensitivity (100%, 75%, 50% or 25%)
- Daylight harvesting (2Lux/10Lux/30Lux/50Lux/80Lux/120Lux, Disabled)
- Standby/Hold time before dimming (5sec, 30sec, 1min, 2min, 5min, 10min, 20min, 30min)
- Dim/Twilight level (10%, 20%, 30%, 50%)
- Standby/Twilight time before unit turns off (+∞/does not turn off, 0sec (no twilight), 30sec, 1min, 5min, 10min, 30min)
- Sensor Mode Selection (ON, OFF)-->Dipswitch only
- This sensor is equipped with dip switches that allow the user to adjust some settings (More settings available via the remote control)
- Detection range up to 40'. Mounting height between 6.5' – 15'
- The sensor can easily be disabled for the fixture on/off operation (via dipswitch)

### Sensor Default Settings

- Sensitivity: 100%
- Hold-time: 5 mins
- Standby period: 0s
- Standby dimming level: 10%
- Sensor mode selection: ON



By selecting the combination of the DIP switches, sensor data can be precisely set for each specific application.

<input checked="" type="checkbox"/>	100%
<input type="checkbox"/>	50%

#### Detection area

In this area, movement will be detected and able to trigger the sensor. 100% detection area is also known as the strong sensitivity.

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	30sec
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1min
<input type="checkbox"/>	<input checked="" type="checkbox"/>	2min
<input type="checkbox"/>	<input type="checkbox"/>	5min

#### Hold time

The period of light keeping 100% brightness after moving objects leave the detection area.

<input checked="" type="checkbox"/>	Disable
<input type="checkbox"/>	50lux

#### Daylight Threshold

Definition of the ambient brightness; only when the ambient brightness is lower than the preset specific lux amount, the sensor will work; when it's preset as "disable", the sensor works everytime it detects motion regardless the ambient brightness.

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0sec
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1min
<input type="checkbox"/>	<input checked="" type="checkbox"/>	5min
<input type="checkbox"/>	<input type="checkbox"/>	+∞

#### Standby Period

The period of light keeping low output before it's completely switched off. When it's preset as "∞", the light always kept at low output if no movement in the detection area and doesn't turn off.

<input checked="" type="checkbox"/>	10%
<input type="checkbox"/>	30%

#### Standby Dimming Level

The definition of low output in the standby period.

<input checked="" type="checkbox"/>	ON
<input type="checkbox"/>	OFF

#### Mode Selection

Sensor mode on when the DIP switch is up; sensor mode off when the DIP switch is down.

**Sensor Remote Settings** (Remote Control TL-HA-REMOTE)

**ON/OFF**

1. "ON/OFF" key only functions as a switch of the light.
2. If this button is pressed to turn off the lamp before it's short-circuited, the lamp will remain off after power-on again.

**Auto Mode**

If the "Auto Mode" button is pressed, the sensor starts to work and all settings remain the same before the light gets switched on/off.

**Reset**

1. Press "Reset" button to change brightness to max level.
2. Press "Reset" button, products with DIP switch will be controlled by DIP switches; otherwise initial settings will be; 100% detection range, hold time 5S, no standby time and daylight threshold disabled.

Flashes after pressing any button

Flashes only after pressing "Apply" button

**+/-**

1. To adjust brightness 10-100% in on/off mode.
2. To adjust highest brightness 60-100% in sensor mode.

**Start**






Press "Start" to customize scene; users can change detection range, daylight threshold, hold time, standby dimming level and standby period.

**Memory**

1. Press "Memory" to save all the settings.
2. The settings remain the same as the last time if the values are not reset.

**Apply**

1. Press "Apply" to deliver the saved setting.
2. Press "Apply" without "Memory" will make all the setting one-time operation.
3. Settings should be done within 30s, otherwise it exits memory mode.

-  Detection area (Press to define detection area 100%/75%/50%/25%.)
-  Hold time (Press to define hold time 5s/30s/1min/3min/5min/10min/20min/30min).
-  Standby dimming level (Press to define standby dimming level 10%/20%/30%/50%).
-  Standby period (Press to define standby period 0s/10s/30s/1min/5min/10min/30min/+∞). Note: "0s" means no standby period; "+∞" means unlimited standby period.
-  Daylight threshold (Press to define daylight level 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable). Note: Disable means light will be turned on once sensor detects movement, regardless of the ambient lux.

**Test (2s)**

The button "Test (2s)" is for testing purpose after commissioning. By pressing this button, the sensor goes to test mode (hold time is only 2s).

