DESCRIPTION
The TSL Series includes 2’, 4’ and 8’ linkable LED strip lights designed to replace fluorescent strip lighting. The TSL Series delivers general ambient lighting in a variety of indoor settings, including schools, hospitals, stores and is the perfect choice for both new construction and retrofits. This high-efficacy luminaire is a cost effective solution that provides long-life, uniform illumination and is incredibly easy to install with its mounting clips and access door behind the unit.

SPECIFICATIONS
Construction
• Steel housing in a white finish
• Available in three lengths and four different lumen packages
  • 2’ Unit, 20 Watts, 2918 lumens
  • 4’ Unit, 24 Watts, 3255 lumens
  • 4’ Unit, 32 Watts, 4181 lumens
  • 8’ Unit, 64 Watts, 7943 lumens
• Back access plate and snap-on mounting clips for easy installation

Optics/LEDs
• Polycarbonate lens that provides uniform illumination along the entire length of the luminaire with no visible LED pixilation
• General 120° distribution
• Efficacies up to 146 LPW maximize energy savings and utility rebates
• Available in 3500K, 4000K and 5000K CCT
• CRI of ≥80
• L90 rated at 50,000 hours

Electrical
• 120-277VAC, 50/60Hz
• 1-10V Dimming driver

Installation
• Back access plate for ease of wiring without disassembling unit
• Snap-on mounting clips allow for ease of surface mount or cable mount for suspension installation (suspension kit sold separately)
• Several knockouts along the enclosure for flexibility in mounting
• Not suitable for installation in T-bar ceilings without field mounting modifications to be determined by installer

Options (Factory Installed)
• Battery Backup
  • Integral UL924 Listed battery pack provides 800 lumens and 90 minutes of emergency run time for path of egress
  • Rated for ambient temperatures of 0°C to 40°C (32°F to 104°F)

Accessories (Field Installed)
• Dimming sensor with daylight harvesting capability available for additional energy savings (TL-MSC) can be controlled via DIP switches or remote control (sold separately)
• Remote control for sensor (TL-MSC-REMOTE) allows for field programming
• Cable and hook mount, 5’ (TSL-CHK); two kits required for 8’ units
• Linkable adaptor kit allows units to be linked end to end for continuous rows with seamless illumination, kit available for 4’ or 8’ units
  Max units linkable = TSL-4-24, 30 pcs @ 120VAC, 60 pcs @ 277VAC
  TSL-4-32, 22 pcs @ 120VAC, 44 pcs @ 277VAC
  TSL-8-64, 14 pcs @ 120VAC, 30 pcs @ 277VAC

TESTING & COMPLIANCE
• cULus Listed for Damp Locations (consult factory for UL Listed options)
• DesignLights Consortium® (DLC) PREMIUM Qualified
• Operating temperatures: -20°C to 40°C (-4°F to 104°F)

WARRANTY
• Five year warranty (Terms and Conditions apply)
Sensor Settings
By selecting the combination of the DIP switches, sensor data can be precisely set for each specific application.

Detection area
Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application. Default set at 100%.

Hold time
Refers to the time period the lamp remains at 100% illumination after no motion detected. Default set at 30 seconds.

Standby period
Refers to the time period the lamp remains at a low light level before it completely switches off in the long absence of people. When set to +∞ mode, the low light maintained until motion is detected. Default set to five minutes.

Daylight sensor
The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold. When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level. 50Lux, 30Lux: twilight operation, 10Lux, 5Lux: darkness operations only. Default set to disable.

Note - The daylight sensor is active only when lamp totally switches off.

Standby dimming level
The low light level you would like to have after the hold time in the long absence of people. Default set as 30%.
### Sensor Remote Settings (Remote Control TL-MSC-REMOTE)

<table>
<thead>
<tr>
<th>Button</th>
<th>Function</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON/OFF</td>
<td>Constant ON/OFF</td>
<td>Press the “ON/OFF” button, the light goes to a constant on or constant off mode, sensor is disabled. Press “Reset” or “Auto Mode” button to quit from this mode.</td>
</tr>
<tr>
<td>Reset</td>
<td>Reset</td>
<td>Press “Reset” button, all parameters can be set via DIP switch.</td>
</tr>
<tr>
<td>Auto Mode</td>
<td>Sensor Mode</td>
<td>Press “Auto Mode” button, the sensor will start to work and all parameter settings will remain the same as the previous status before the light was switched on/off.</td>
</tr>
<tr>
<td>DIM Test</td>
<td>DIM Test</td>
<td>Press “DIM Test” button, the 1-10Vdc dimming interface will be dimming automatically according to the dimming level you want, after 2s, the parameters of the sensor will be returned to the latest settings.</td>
</tr>
<tr>
<td>Test (2s)</td>
<td>Test Mode</td>
<td>The button “Test (2s)” is for testing purpose only. The sensor will go to test mode: Detection sensitivity: 100% Hold time: 2 seconds Stand-by period: 0s Daylight sensor: Disable *This mode can be exited by pressing “reset” or any button on the remote control. The sensor setting is changed accordingly.</td>
</tr>
</tbody>
</table>

#### Scene Mode

<table>
<thead>
<tr>
<th>Scene Options</th>
<th>Detection Area</th>
<th>Hold Time</th>
<th>Stand-by Period</th>
<th>Stand-by DIM level</th>
<th>Daylight Sensor</th>
</tr>
</thead>
<tbody>
<tr>
<td>QS1</td>
<td>100%</td>
<td>30s</td>
<td>1 min</td>
<td>10%</td>
<td>5lux</td>
</tr>
<tr>
<td>QS2</td>
<td>100%</td>
<td>1 min</td>
<td>3 min</td>
<td>10%</td>
<td>10Lux</td>
</tr>
<tr>
<td>QS3</td>
<td>100%</td>
<td>5 min</td>
<td>10 min</td>
<td>10%</td>
<td>30Lux</td>
</tr>
<tr>
<td>QS4</td>
<td>100%</td>
<td>10 Min</td>
<td>30 Min</td>
<td>10%</td>
<td>Disable</td>
</tr>
</tbody>
</table>

Note: Detection area/hold time/stand-by period/stand-by DIM level/daylight sensor can be adjusted by pressing corresponding button. The latest setting does not change until the end user changes it.

### Dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>L</th>
<th>W</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSL-2</td>
<td>24.0”</td>
<td>3.2”</td>
<td>3.5”</td>
</tr>
<tr>
<td>TSL-4</td>
<td>48.0”</td>
<td>3.2’</td>
<td>3.5”</td>
</tr>
<tr>
<td>TSL-8</td>
<td>96.0”</td>
<td>3.2”</td>
<td>3.5”</td>
</tr>
</tbody>
</table>

### Cable + Hook Assembly (Accessory TSL-CHK)

- Seamless illumination for continuous rows using linkable adapter kit. (TSL-L4 or TSL-L8)

### Linkable Accessories

- Kit includes translucent linkable adapter and wire harness. (TSL-L4 or TSL-L8)