### Signify SDS21224L8CST-UNV-DIM

# Philips DayBrite CFI Linear SDS Selectable Strip LED Luminaire

Model: SDS21224L8CST-UNV-DIM

## 1. PRODUCT OVERVIEW

The Philips DayBrite CFI Linear SDS Selectable Strip is a versatile 2-foot LED luminaire designed for various indoor lighting applications. This fixture offers field-selectable color temperatures (3500K, 4000K, 5000K) and lumen outputs (1200, 1800, 2400 lumens), providing flexibility to meet specific lighting requirements. It features 0-10V dimming capability for precise light level control.



Figure 1: Philips DayBrite CFI Linear SDS Selectable LED Strip Luminaire. This image shows the full length of the white linear LED strip light, featuring a frosted diffuser for even light distribution and a sleek, minimalist design suitable for various indoor installations.

## 2. SAFETY INFORMATION

Please read all instructions carefully before installation and use. Failure to follow these instructions may result in electric shock, fire, or other hazards. Keep this manual for future reference.

- **WARNING:** Risk of electric shock. Disconnect power at the fuse or circuit breaker before installation or servicing.
- Installation must be performed by a qualified electrician in accordance with all applicable national and local electrical codes.
- Do not install in wet locations or near flammable materials.
- Ensure the supply voltage is compatible with the luminaire's requirements (120-277V AC).
- Do not modify the luminaire in any way.
- Handle with care to avoid damage to LED components.

## 3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package:

- 1 x Philips DayBrite CFI Linear SDS Selectable Strip LED Luminaire
- 1 x Installation Guide (this document)
- Mounting Hardware (e.g., screws, anchors - *may vary by package*)

## 4. SETUP AND INSTALLATION

This luminaire is designed for surface mounting. Professional installation is recommended.

1. **Prepare the Installation Area:** Ensure the mounting surface is structurally sound and can support the weight of the fixture. Turn off power at the circuit breaker before beginning installation.
2. **Mark Mounting Points:** Use the luminaire as a template to mark the desired mounting locations on the ceiling or wall. Ensure marks are level and spaced correctly for secure attachment.
3. **Install Mounting Hardware:** Drill pilot holes at the marked locations. Insert appropriate anchors if mounting into drywall or plaster. Secure the mounting brackets (if separate) or the luminaire directly using screws.
4. **Wiring Connections:**
   - Connect the AC power supply wires (Line, Neutral, Ground) from the junction box to the corresponding wires on the luminaire. Follow local electrical codes for proper wiring.
   - For 0-10V dimming, connect the purple (DIM+) and gray (DIM-) wires from the luminaire to the corresponding wires on your 0-10V dimming control system. Ensure polarity is correct.
   - Secure all wire connections with appropriate wire nuts or connectors.
5. **Secure the Luminaire:** Once wiring is complete and connections are secure, attach the luminaire firmly to the mounting surface. Ensure no wires are pinched.
6. **Restore Power:** Turn on power at the circuit breaker. Test the luminaire for proper operation and dimming functionality.

## 5. OPERATING INSTRUCTIONS

This luminaire features field-selectable color temperature and lumen output settings.

- **Color Temperature Selection:** Locate the CCT (Correlated Color Temperature) selector switch on the luminaire. This switch allows you to choose between 3500K (Warm White), 4000K (Cool White), and 5000K (Daylight) settings. *Ensure power is off before adjusting this switch.*

- **Lumen Output Selection:** Locate the Lumen selector switch on the luminaire. This switch allows you to choose between 1200, 1800, and 2400 lumens. *Ensure power is off before adjusting this switch.*

- **0-10V Dimming:** Once installed and wired to a compatible 0-10V dimmer, the light output can be adjusted smoothly from 100% down to 10% (or lower, depending on dimmer specifications) using the external dimming control.

## 6. MAINTENANCE

The Philips DayBrite CFI Linear SDS Selectable Strip LED Luminaire requires minimal maintenance.

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry, or slightly damp cloth to wipe the exterior surface of the luminaire. Do not use abrasive cleaners, solvents, or cleaners containing alcohol, as these may damage the finish or optical components.
- **LEDs:** The LEDs are integrated and do not require replacement.

## 7. TROUBLESHOOTING

If you experience issues with your luminaire, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|---|---|---|
| Luminaire does not light up. | No power supply; Loose wiring; Faulty switch/breaker. | Check power connection, circuit breaker, and wall switch. Verify all wiring connections are secure. |
| Light flickers or dims erratically. | Incompatible dimmer; Loose dimming wires; Power fluctuations. | Ensure 0-10V dimmer is compatible. Check dimming wire connections (purple/gray). Consult an electrician for power supply issues. |
| Incorrect color temperature or brightness. | Selector switches set incorrectly. | Turn off power, then adjust the CCT and Lumen selector switches to the desired setting. |

If the problem persists after attempting these solutions, please contact customer support.

## 8. SPECIFICATIONS

| Feature | Detail |
|---|---|

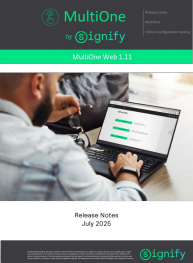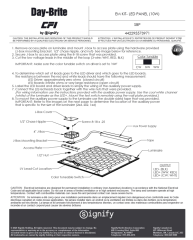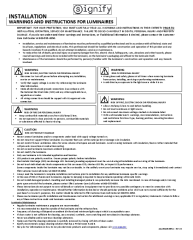| Feature | Detail |
| --- | --- |
| Brand | Signify (Philips DayBrite) |
| Model Number | SDS21224L8CST-UNV-DIM |
| Light Source | Integrated LED |
| Length | 24 inches (2 feet) |
| Color Temperature | 3500K / 4000K / 5000K (Selectable) |
| Lumen Output | 1200 / 1800 / 2400 Lumens (Selectable) |
| Dimming | 0-10V Dimming |
| Input Voltage | Universal (UNV) |
| Item Weight | 2 Pounds |
| UPC | 190096131563 |
| Special Feature | Frosted Diffuser |

## 9. WARRANTY INFORMATION
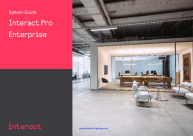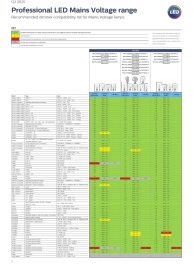
This Philips DayBrite product is covered by a manufacturer's limited warranty. Please refer to the warranty card included with your purchase or visit the official Signify website for detailed warranty terms and conditions. Keep your proof of purchase for warranty claims.

## 10. CUSTOMER SUPPORT

For technical assistance, product inquiries, or warranty claims, please contact Signify customer support:

- **Website:** Visit the official Signify or Philips Lighting website for support resources, FAQs, and contact information.
- **Phone:** Refer to the contact details provided on the product packaging or the manufacturer's website.

When contacting support, please have your product model number (SDS21224L8CST-UNV-DIM) and proof of purchase readily available.

**Related Documents - SDS21224L8CST-UNV-DIM**

| | [Interact Pro Enterprise System Guide](#)<br>A comprehensive system guide for the Interact Pro Enterprise connected lighting solution. This document details the system architecture, cloud applications, features, components, and integration capabilities, aimed at professionals involved in lighting system design and implementation. |
|---|---|
| | [Professional LED Mains Voltage Range: Recommended Dimmer Compatibility List](#)<br>A comprehensive guide detailing the dimmer compatibility of various LED mains voltage lamps, including compatibility ratings, dimming ranges, and performance notes for numerous dimmer brands and models. |
| | [MultiOne Web 1.11 Release Notes - Signify](#)<br>Discover the latest updates and features in MultiOne Web 1.11, including bug fixes and enhancements to the ZTV (0-10V/1-10V) functionality. Learn about supported features and configuration options for Signify lighting systems. |
| | [Day-Brite CFI EM Kit - LED Panel (10W) SBP Installation Guide](#)<br>Installation instructions for the Day-Brite CFI SBP LED Panel Emergency Kit (10W), model 442295573971, detailing mounting, wiring, and safety precautions. Features include color tuning and auxiliary power supply placement. |
| | [Signify SolarForm Gen2 Solar Street Lighting Installation Guide](#)<br>Detailed installation instructions for the Signify SolarForm Gen2 off-grid solar street lighting luminaire. Includes safety warnings, required tools, hardware, step-by-step mounting procedures, dimensions, and maintenance recommendations. |
| | [Signify MultiOne Mobile User Manual v1.7: Driver Configuration and NFC Scanner Guide](#)<br>Comprehensive user manual for the Signify MultiOne Mobile app. Learn to configure Philips and Advance lighting drivers using NFC and Bluetooth, manage features like ALO, AOC, DynaDimmer, and DALI, and utilize the external NFC scanner for efficient driver management and cloning. |