

# SL Series

LED Surface Linear



SL24™

SL40™

## Exceptional — and Affordable — Illumination Performance.

### UNBEATABLE

#### Lighting Experience

Indirect-view LEDs combined with Cree MicroMixing™ technology deliver exceptional light and more precise optical control than outdated fluorescent wrap and strip style fixtures.

### MAXIMUM

#### Lighting Value

Potentially eliminate a decade of re-lamping maintenance expenses. Designed with a life rating of 55,000 hours and an industry-leading 10-year limited warranty.

### SIMPLE

#### Installation

Installation is a snap, literally. Fully assembled and constructed of durable, lightweight, robust polymer, a typical installation takes up to 50% less time vs. a fluorescent wrap fixture.

### BROAD RANGE OF

#### Applications

Ideal for both new construction and renovation, creating vibrant and visually comfortable spaces through improved color quality and optical performance.

# Maximum Value. Maximum Appeal.

The SL Series LED Surface Linear luminaire delivers up to 4000 lumens of high-quality, low-brightness light. The versatile, compact design of the SL Series uses indirect-view LEDs combined with the Cree proprietary MicroMixing™ technology to deliver exceptional illumination performance and cost-effective lighting. Easy installation saves time and labor expenses, with the SL Series providing more than a decade of virtually maintenance-free service — all backed by an industry-leading 10-year limited warranty.

## PERFORMANCE SUMMARY

Cree MicroMixing™ Technology

Room-side heat sink

**DELIVERED LIGHT OUTPUT:** 2000 or 4000 lumens

**INPUT POWER:** 25 or 55 watts

**CRI:** 80

**CCT:** 3500K

**INPUT VOLTAGE:** 120 VAC

**LIMITED WARRANTY:** 10 years

**LIFETIME:** Designed to last 55,000 hours

**MOUNTING:** Surface or suspended

All SL Series luminaires are designed to deliver an optimal amount of light.

Product specifications subject to change at any time. Visit [www.cree.com/lighting](http://www.cree.com/lighting) to find the most up-to-date information.

## ROOM-SIDE HEAT SINK

- Innovative thermal management system designed to maximize cooling effectiveness.
- Breakthrough design creates pleasing architectural aesthetic while conducting heat away from LEDs in a temperature-controlled environment.
- Enables LEDs to consistently run cooler, providing significant boosts to lifetime, efficacy and color consistency.

## CONSTRUCTION & MATERIALS

- High-strength, lightweight polymer forms the reflector and driver housing.
- Innovative mounting clips allow the luminaire to easily mount to a junction box.

## OPTICAL SYSTEM

- High-efficiency reflector with MicroMixing™ Optics integrating intense direct LED light and distributing optimally mixed indirect white light, resulting in a comfortable appearance while maintaining high-efficiency optics.
- Indirect LED strip eliminates direct view of highly-efficient, lighting-quality LEDs.
- Full Definition Color (80 CRI).

## ELECTRICAL SYSTEM

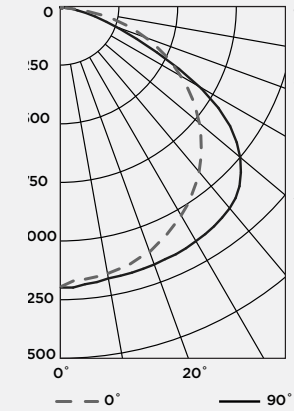
- Integral, high-efficiency driver and power supply
- Power Factor = 0.9 nominal
- Input Power: Stays constant over life
- Input Voltage: 120V, 60Hz
- Temperature rating: Designed to operate in temperatures -20°C to 25°C
- Total Harmonic Distortion: <20%
- Simple and quick access plate allows for easy wiring and fast installation.

## REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus listed
- Suitable for damp locations

## PHOTOMETRY

SL40-40L-35K / Based on DTC Report Test #: 13160-G



### Coefficients Of Utilization

RCC %:	80			
	70	50	30	0
RW %:	1.19	1.19	1.19	1.19
RCR: 0	1.09	1.04	1.00	.96
1	.99	.90	.83	.78
2	.90	.79	.70	.64
3	.82	.69	.60	.54
4	.75	.62	.52	.46
5	.69	.55	.46	.39
6	.64	.50	.41	.35
7	.59	.45	.37	.31
8	.55	.41	.33	.27
9	.52	.38	.30	.25
10				

Effective Floor Cavity Reflectance: 20%

### Average Luminance Table (cd/m2)

Vertical Angle	Horizontal Angle			Zonal Lumen Summary		
	0°	45°	90°	Zone	Lumens	Luminaire
0°	10,969	10,969	10,969	0-30	952	24.4%
45°	11,014	12,694	13,992	0-40	1,610	41.3%
55°	10,990	13,684	14,115	0-60	3,076	78.9%
65°	10,794	12,981	9,812	0-90	3,896	99.9%
75°	10,177	7,210	5,430	0-180	3,898	100%
85°	6,046	2,933	3,050			

Visit [www.cree.com/lighting](http://www.cree.com/lighting) for an explanation of calculations for these recommended SL Series Lumen Maintenance Factors. Reference [www.cree.com/lighting](http://www.cree.com/lighting) for detailed photometric data.

## SL24™

### SL24-20L-35K

- 2000 lumens, 25W
- 55,000 hours
- 10-year limited warranty

Dimensions: L 24" x W 5.65" x H 2.25"



## SL40™

### SL40-40L-35K

- 4000 lumens, 55W
- 55,000 hours
- 10-year limited warranty

Dimensions: L 40" x W 5.65" x H 2.25"

