

# Styllus Linear® Series

Styllus Linear® LED Surface Architectural Grade Luminaire

Rev. Date: V14 10/01/2024

## Product Description

The Styllus Linear® Series is a full range linear architectural portfolio. Its sleek minimalistic design provides clean uniform lines of light for any application such as: offices, healthcare, education and interior design. Designed with Cree TrueWhite® Technology, the Styllus Linear® Series offers premium color quality with a CRI > 90 and R9 > 65 ideal for optimally displaying objects like produce, fabric, and artwork. With smooth full-range dimming down to 1%, the Styllus Linear® Series allows each space with the appropriate light level needed for any activity. Available in up to 72 feet of continuous rows of seamless light in two-foot increments. Being versatile for lighting design, it is configurable in straight linear rows or geometric patterns, and compatible with Cree Lighting's SmartCast Technology, Lutron Vive, and Lutron EcoSystem controls systems. Specifiable in three colors: white, black and graphite, the Styllus Linear® Series is perfect for any application.

**Applications:** Surface applications for new construction and upgrade

## Performance Summary

Utilizes Cree TrueWhite® Technology (90 CRI)

**Initial Delivered Lumens:** 400-1,150 lumens per foot

**Efficacy:** Up to 119 LPW

**CRI:** 90+ CRI Standard, Optional 80+ CRI

**R9:** > 65 (90 CRI)

**CCT:** 3000K, 3500K, 4000K

**Input Voltage:** 120-277 VAC or 347 VAC

**L<sub>70</sub> Lifetime:** > 100,000 hours at 35°C

**Limited Warranty\*:** 10 years for luminaire; 5 years for SmartCast® and Lutron controls; up to 5 years for SmartCast® accessories

**Limited Warranty Emergency Back Up (EB) Battery and Generator Transfer Device:** 1 Year. Test regularly in accordance with local codes. Contains Self-Diagnostic Emergency Battery Back-up

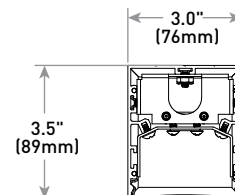
**Dimensions with End Caps:** H 3.5" (89mm) x W 3.0" (76mm) x L up to 72.25' (22.02m)

**Weight:** 2.6 LB/FT (1.2kg)

**Dimming:** 0-10V dimming to 1%, DALI dimming to 5%, SmartCast® Technology dimming to 5%, Lutron EcoSystem dimming to 1%, Lutron Vive dimming to 5%

Assembled in the USA from US and imported parts

\* See <https://www.creelighting.com/resources/warranties/> for warranty terms. For SmartCast accessories, consult SmartCast spec sheets for details on warranty terms.



## Accessories

| Field-Installed   |  |   |
|---|--|---|
| <b>SmartCast® Technology Configuration Tool</b><br><a href="#">CCT-CWC-1</a><br>- One required per project when SC5 control is selected<br><b>SmartCast® Technology Face Plates</b><br><a href="#">CFP-1-WH</a><br>- Matching face plate, 1-gang, white<br><a href="#">CFP-2-WH</a><br>- Matching face plate, 2-gang, white | <b>SmartCast® 5-Button Wireless Scene Controller</b><br><a href="#">CSC-SC-A-5B-UNVN-WH</a> (w/o text)<br><a href="#">CSC-SC-A-5S-UNVN-WH</a> (w/scene text)<br><a href="#">CSC-SC-A-5X-UNVN-WH</a> (w/custom text)<br><b>SmartCast® Technology Wireless Dimmer</b><br><a href="#">CSC-CWD-UNVN-WH</a> (neutral wire required)<br><a href="#">CSC-CWD-UNV-WH</a> (no neutral required)<br><b>SmartCast® Technology Wireless Switch</b><br><a href="#">CSC-CWS-UNVN-WH</a> (neutral wire required)<br><a href="#">CSC-CWS-UNV-WH</a> (no neutral required)<br><b>SmartCast® Technology Wireless Plug Load Controller</b><br><a href="#">CPLC-JB-CWC</a> | <b>SmartCast 10V Zone Controller</b><br><a href="#">CSC-ZC-10V-CWC</a><br>- Intelligent sensing and control of 0-10V luminaires |

## Ordering Information

Example: ST3-SF-02-L-30K-L-10V-WH

| ST3                          | SF                  |                                 |   |  |                                |  |   |  |  |   |  |  |
|------------------------------|---------------------|---------------------------------|---|--|--------------------------------|--|---|--|--|---|--|--|
| Family                       | Mounting            | Length                          | Plan*   | Downlight Output   | CRI                            | CCT  | Voltage                                 | Downlight Option   | Controls   |   | Finish                                       | Options  |
| ST3<br>Styllus Linear®<br>3" | SF<br>Surface Mount | 02<br>- 2' increments up to 72' | Blank<br>Linear<br>S<br>Square<br>R_X_<br>Rectangle<br>U_X_X_<br>U Shape<br>L_X_<br>L Shape<br>C_<br>Custom | L<br>Low<br>[90 CRI 400 Lumens/FT & 80 CRI 510 Lumens/FT]<br>M<br>Medium<br>[90 CRI 650 Lumens/FT & 80 CRI 830 Lumens/FT]<br>H<br>High<br>[90 CRI 900 Lumens/FT & 80 CRI 1150 Lumens/FT] | Blank<br>90 CRI<br>8<br>80 CRI | 30K<br>3000K<br>35K<br>3500K<br>40K<br>4000K | Blank<br>120-277 Volt<br>34<br>347 Volt | L<br>Lambertian<br>W<br>Wall Wash / Asymmetric Optic<br>- Not available with SmartCast or Lutron Vive<br>- Not available with EB or GT | 10V<br>0-10V dimming to 1%<br>DALI<br>DALI dimming to 5%<br>- Not available with 2' lengths or 347V<br>SC5<br>SmartCast Wireless control and integral sensors.<br>- Dimming to 5%<br>- Not available in 2' lengths<br>LDE1<br>Lutron EcoSystem (Lutron HiLume 1% EcoSystem LED Driver with Soft-on, Fade to Black Dimming Technology)<br>- Not available in 2' or 347V | VDO<br>Lutron Vive [5% Dimming]<br>- Not available in 2', section lengths<br>- Not available for corners<br>- Not available in 347V | WH<br>White<br>BK<br>Black<br>GR<br>Graphite | EB 10W Emergency Battery Backup**<br>- 120-277V only<br>- Standard 1EB/Run; for additional emergency units per run, consult sales<br>- Illuminates first 4' of fixture<br>- Not available in 2' fixtures<br>GT<br>Generator Transfer Device**<br>- 120/277V only<br>- Not available in 2' fixtures |

\* Refer to page 3 for Plan Diagram for Corners.

\*\* GT and EB cannot be used together.



SMARTCAST TECHNOLOGY



Website: [creelighting.com](https://www.creelighting.com)

US: (800) 236-6800 Canada: (800) 473-1234

**CREE** **LIGHTING®**

## Product Specifications

### SMARTCAST® TECHNOLOGY

SmartCast® Technology is the most intuitive and easiest to install intelligent light solution on the market. SmartCast® Technology delivers up to 70% energy savings at up to half the cost of other solutions. Luminaires combine best-in-class light with onboard sensors and intelligence to deliver a better light experience. Extreme energy productivity, code compliance and a better light experience without any extra design, installation or setup work.

### CREE TRUEWHITE® TECHNOLOGY

A revolutionary way to generate high-quality white light, Cree TrueWhite® Technology is a patented approach that delivers an exclusive combination of 90+ CRI, beautiful light characteristics, and lifelong color consistency, all while maintaining high luminous efficacy – a true no compromise solution.

### CONSTRUCTION & MATERIALS

- 6063 marine grade extruded aluminum housing
- Matte acrylic lens
- Bead suspended acrylic lens
- Textured powder coat paint with a matte white, black or graphite finish
- Includes one 5/8" mounting hole at each end of the luminaire, and a 1-1/2" plugged hole in the center for wiring
- End caps are extruded aluminum and come installed on individually mounted luminaires (2'-12')
- One set of end caps is included to accommodate runs from 14'-72'
- Continuous rows include quick connect wiring harnesses for ease of installation. Alignment pins between luminaires create seamless appearance and straighter rows
- **Weight:** 2.6 lbs./ft.; for GTD, add 0.50 lbs. each; for EB, add 2.8 lbs. each

### OPTICAL SYSTEM

- Multiple lumen intensities to provide the correct level of illumination within each space
- High efficiency diffuser designed to minimize glare and provide uniform light distribution

### ELECTRICAL SYSTEM

- **Power Factor:** > 0.9 at full load
- **Input Power:** Stays constant over life
- **Input Voltage:** 120-277V or 347V, 50/60Hz
- **Operating Temperature Range:** -20°C ~ +35°C (-4°F ~ +95°F); minimum operating temperature with EB14 option is 0°C (32°F)
- **Total Harmonic Distortion:** < 20% at full load

### 10V DIMMING AND CONTROL

- Continuous dimming to 1% with 0-10V DC control protocol
- **10V Source Current:** 0.60mA maximum up to 12'
- Use only lighting controls with neutral connection or controls intended for use with LED fixtures
- Reference <https://cree.widen.net/s/b6gdfqzrd9/0-10v-and-step-dimming-controls-spec-sheet-cr-flex-zr-troffers-ls-ur-styllus-ws-cdr-kbl> for recommended dimming controls and wiring diagrams
- Luminaires with DALI, SmartCast and Lutron Vive dim to 5%. Lutron EcoSystem dims to 1%

### REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus listed
- Suitable for damp locations
- Designed for indoor use only
- Suitable for continuous row mounting
- Not intended for use in environments containing airborne corrosive agents such as chemical solvents, cleaners, or cutting fluids
- UL924 (EB option). Maximum mounting height: 15.0' (4.6m)
- RoHS compliant. Consult factory for additional details
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Assembled in the USA from US and imported parts
- Meets the requirements for Buy American Act (BAA) because it qualifies as a commercially-available off-the-shelf (COTS) item. Please refer to [www.creelighting.com/BAA-BABA](http://www.creelighting.com/BAA-BABA)
- DLC Qualified when ordered in 6-12' lengths with 80 CRI and lambertian downlight distribution. Please refer to <https://qpl.designlights.org/solid-state-lighting> for most current information
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

## SmartCast® Technology

### INTEGRAL MOTION SENSOR

- Passive infrared (PIR)
- Coverage area: Please refer to the PIR motion sensor coverage table
- Not intended to be mounted higher than 20 ft.
- **Operation:**
  - Grouped with a wall control: Luminaire will operate in vacancy mode (manual-on/auto-off)
  - Not grouped with a wall control: Luminaire will operate in occupancy mode (auto-on/auto-off)
- Luminaires operate at full intensity until OneButton™ Setup is initiated by the Cree Lighting Configuration Tool

### AMBIENT LIGHT SENSOR

- Sensor response matches response of human eye
- Not intended to be mounted higher than 20 ft. (6.1m)
- Luminaires operate at full intensity until OneButton™ Setup is initiated by the Cree Lighting Configuration Tool
- Daylight harvesting calibration performed automatically during OneButton™ Setup

### INTEGRAL WIRELESS COMMUNICATION

- 2.4GHz wireless mesh technology with AES 128-bit encryption
- Self assigns to quietest channel during OneButton™ Setup
- **Range:**
  - 30 ft. (9.1m) in typical commercial applications
  - 300 ft. (91.4m) open air without obstructions
- **Network:** 250 devices max.
- **Space:** 100 devices max. per group
- FCC and IC certifications

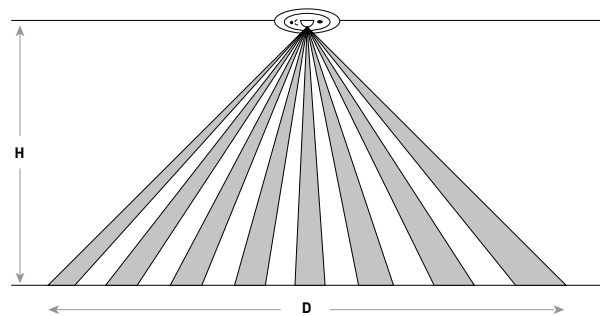
### LUMINAIRE

- Luminaires operate at full intensity until OneButton™ Setup is initiated by the Cree Lighting Configuration Tool
- Independent wireless control of direct and indirect lights through SmartCast wall dimmers and SmartCast Touchscreen
- 10-year power fail memory of settings
- **NOTE:** SmartCast luminaires must be installed on unswitched AC power. Constant power is required to maintain all luminaires on the SmartCast network. If wall control or manual dimming is required, a SmartCast wall control dimmer must be used for manual on, off, and dimming.

### DEPLOYMENT

- Please refer to the SmartCast® Deployment Guide at <https://cree.widen.net/s/mvxtfd2pcz/smartcast-wireless-deployment-guide>

## PIR Motion Sensor Coverage



| Mounting Height - H (Feet) | Motion Sensor Coverage Diameter - D (Feet) |                      |                   |
|----------------------------|--|----------------------|-------------------|
|                            | Sensitivity - High (Default)               | Sensitivity - Medium | Sensitivity - Low |
| 10                         | 20   | 10                   | 8                 |
| 12                         | 26   | 14                   | 12                |
| 14                         | 28   | 15                   | 13                |
| 20                         | 38   | Not Recommended      | Not Recommended   |

| Initial Delivered Lumens (30K/35K/40K) |                                 |        |
|--|---------------------------------|--------|
| Lumen Package                          | Initial Delivered Lumens / Foot |        |
|  | 90 CRI                          | 80 CRI |
| L                                      | 400                             | 510    |
| M                                      | 650                             | 830    |
| H                                      | 900                             | 1150   |

| Styllus Linear® Series Ambient Adjusted Lumen Maintenance¹ |             |                      |                       |                       |                        |
|--|-------------|----------------------|-----------------------|-----------------------|------------------------|
| Ambient  | Initial LMF | 25K hr Reported² LMF | 50K hr Estimated³ LMF | 75K hr Estimated³ LMF | 100K hr Estimated³ LMF |
| 5°C (41°F)   | 1.03        | 1.00                 | 0.95                  | 0.91                  | 0.87                   |
| 15°C (59°F)  | 1.01        | 0.98                 | 0.93                  | 0.89                  | 0.85                   |
| 25°C (77°F)  | 1.00        | 0.97                 | 0.92                  | 0.88                  | 0.84                   |
| 30°C (86°F)  | 0.99        | 0.96                 | 0.91                  | 0.87                  | 0.83                   |
| 35°C (95°F)  | 0.99        | 0.96                 | 0.91                  | 0.87                  | 0.83                   |

¹Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors.

²In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

³Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED.

| Electrical Data* |               |              |                   |      |      |      |      |
|------------------|---------------|--------------|-------------------|------|------|------|------|
| Length           | Lumen Package | System Watts | Total Current (A) |      |      |      |      |
|                  |               | 120-347V     | 120V              | 208V | 240V | 277V | 347V |
| 2'               | L             | 11           | 0.09              | 0.05 | 0.05 | 0.04 | 0.03 |
|                  | M             | 16           | 0.13              | 0.08 | 0.07 | 0.06 | 0.05 |
|                  | H             | 22           | 0.18              | 0.10 | 0.09 | 0.08 | 0.06 |
| 4'               | L             | 19           | 0.16              | 0.09 | 0.08 | 0.07 | 0.05 |
|                  | M             | 30           | 0.25              | 0.14 | 0.12 | 0.11 | 0.09 |
|                  | H             | 41           | 0.35              | 0.20 | 0.17 | 0.15 | 0.12 |
| 6'               | L             | 27           | 0.23              | 0.13 | 0.11 | 0.10 | 0.08 |
|                  | M             | 44           | 0.36              | 0.21 | 0.18 | 0.16 | 0.13 |
|                  | H             | 60           | 0.51              | 0.29 | 0.25 | 0.22 | 0.17 |
| 8'               | L             | 35           | 0.30              | 0.17 | 0.15 | 0.13 | 0.10 |
|                  | M             | 57           | 0.48              | 0.27 | 0.24 | 0.21 | 0.16 |
|                  | H             | 80           | 0.68              | 0.38 | 0.33 | 0.29 | 0.23 |
| 10'              | L             | 44           | 0.36              | 0.21 | 0.18 | 0.16 | 0.13 |
|                  | M             | 70           | 0.59              | 0.34 | 0.29 | 0.25 | 0.20 |
|                  | H             | 102          | 0.86              | 0.49 | 0.42 | 0.37 | 0.29 |
| 12'              | L             | 52           | 0.44              | 0.25 | 0.22 | 0.19 | 0.15 |
|                  | M             | 87           | 0.72              | 0.42 | 0.36 | 0.31 | 0.25 |
|                  | H             | 121          | 1.02              | 0.58 | 0.50 | 0.44 | 0.34 |

\*Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347V +/- 10%. For electrical data for continuous runs to 72', please refer to the Initial Delivered Lumens & Electrical Data chart on pages 7-8.

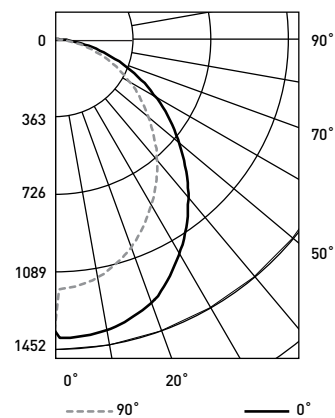
| Plan Diagram for Corners  |   |  |   |
|---|---|--|---|
| S_  | R_X_  | U_X_X_   | L_X_  |
| Square<br>Provide "A" dimension<br>Example: S8'<br>Part Number: ST3-SF-32-S8-L-30K-L-10V-WH | Rectangle<br>Provide "AxB" dimension<br>Example: R12'x8'<br>Part Number: ST3-SF-40-R12X8-L-30K-L-10V-WH | U-Shape<br>Provide "AxBxC" dimension<br>Example: U12'x8'x12'<br>Part Number: ST3-SF-32-U12X8X12-L-30K-L-10V-WH | L-Shape<br>Provide "AxB" dimension<br>Example: L16'x8'<br>Part Number: ST3-SF-24-L16X8-L-30K-L-10V-WH |
|   |   |  |   |

NOTE: Corner units are 4" in length, 2" for each leg.  
Actual dimensions for corner units are 24.75" for each leg.

## Photometry

### ST3-SD-04-H-30K-L-10V-04-A-WH BASED ON RESTL REPORT TEST #: PL13873-001A

Luminaire photometry has been conducted in accordance with IES LM-79. IES LM-79 specifies the entire luminaire as the source resulting in a luminaire efficiency of 100%.



ST3-SD-04-H-30K-L-\*\*\*\*

Initial Delivered Lumens: 3,471

#### Coefficients Of Utilization – Zonal Cavity Method

|        |     |     |     |     |
|--------|-----|-----|-----|-----|
| RC %:  | 80  |     |     |     |
| RW %:  | 70  | 50  | 30  | 10  |
| RCR: 0 | 119 | 119 | 119 | 119 |
| 1      | 109 | 104 | 100 | 96  |
| 2      | 99  | 91  | 85  | 79  |
| 3      | 91  | 80  | 72  | 66  |
| 4      | 83  | 71  | 63  | 56  |
| 5      | 77  | 64  | 55  | 49  |
| 6      | 71  | 58  | 49  | 43  |
| 7      | 66  | 52  | 44  | 38  |
| 8      | 61  | 48  | 40  | 34  |
| 9      | 57  | 44  | 36  | 30  |
| 10     | 54  | 41  | 33  | 28  |

Effective Floor Cavity Reflectance: 20%

#### Average Luminance Table (cd/m²)

| Vertical Angle | Horizontal Angle |        |        |
|----------------|------------------|--------|--------|
|                | 0°               | 45°    | 90°    |
| 45°            | 13,310           | 12,787 | 10,077 |
| 55°            | 12,402           | 11,885 | 9,314  |
| 65°            | 11,384           | 10,848 | 8,445  |
| 75°            | 9,881            | 9,428  | 7,292  |
| 85°            | 8,477            | 7,638  | 5,540  |

#### Zonal Lumen Summary

| Zone  | Lumens  | % Lamp | Luminaire |
|-------|---------|--------|-----------|
| 0-30  | 1021.47 | N/A    | 29.40%    |
| 0-40  | 1638.56 | N/A    | 47.20%    |
| 0-60  | 2786.18 | N/A    | 80.30%    |
| 0-90  | 3468.05 | N/A    | 99.90%    |
| 0-180 | 3470.63 | N/A    | 100.00%   |

Reference <https://www.creelighting.com/styllus-series/> for detailed photometric data.

## Application Reference

Based on ST3-SF-04-H-30K-L-\*\*\*\* Luminaire

| Open Space |               |           |            |              |           |            |              |
|------------|---------------|-----------|------------|--------------|-----------|------------|--------------|
| Linear ft* | Lumen Package | 90 CRI    |            |              | 80 CRI    |            |              |
|            |               | Lumens/ft | Average FC | FC/Linear ft | Lumens/ft | Average FC | FC/Linear ft |
| 120        | Low           | 400       | 23         | 0.19         | 510       | 29         | 0.24         |
|            | Medium        | 650       | 37         | 0.31         | 830       | 47         | 0.39         |
|            | High          | 900       | 51         | 0.43         | 1150      | 65         | 0.54         |
| 100        | Low           | 400       | 19         | 0.19         | 510       | 24         | 0.24         |
|            | Medium        | 650       | 31         | 0.31         | 830       | 39         | 0.39         |
|            | High          | 900       | 43         | 0.43         | 1150      | 54         | 0.54         |
| 80         | Low           | 400       | 15         | 0.19         | 510       | 19         | 0.24         |
|            | Medium        | 650       | 25         | 0.31         | 830       | 31         | 0.39         |
|            | High          | 900       | 34         | 0.43         | 1150      | 44         | 0.54         |
| 64         | Low           | 400       | 12         | 0.19         | 510       | 15         | 0.24         |
|            | Medium        | 650       | 20         | 0.31         | 830       | 25         | 0.39         |
|            | High          | 900       | 27         | 0.43         | 1150      | 35         | 0.54         |

10' ceiling: 80/50/20 reflectances; 2.5' workplane, 10' mounting height. LLF: 1.0 Initial.

Open Space: 50' x 40' x 10'

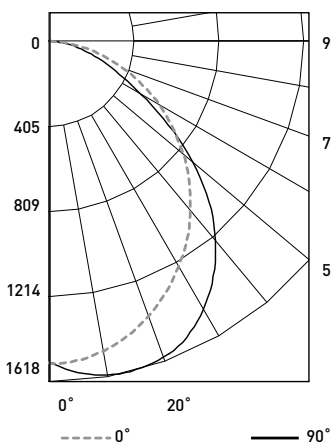
Fixture spacing should typically not exceed 1x the mounting height in an open space or .5x the mounting height from a wall when it's the sole source of light.

\* Maximum run length is 72'

## Photometry

### ST3-RC-04-H-30K-W-10V-A-WH BASED ON RESTL REPORT TEST #: PL15326-001B

Luminaire photometry has been conducted in accordance with IES LM-79. IES LM-79 specifies the entire luminaire as the source resulting in a luminaire efficiency of 100%.



ST3-\*\*-04-H-30K-W-\*\*\*\*  
Initial Delivered Lumens: 3,600

| Coefficients Of Utilization – Zonal Cavity Method |     |     |     |     |
|---|-----|-----|-----|-----|
| RC %:   | 80  |     |     |     |
| RW %:   | 70  | 50  | 30  | 10  |
| RCR: 0  | 119 | 119 | 119 | 119 |
| 1   | 110 | 105 | 101 | 98  |
| 2   | 100 | 93  | 86  | 81  |
| 3   | 92  | 82  | 74  | 68  |
| 4   | 85  | 73  | 65  | 58  |
| 5   | 78  | 66  | 57  | 51  |
| 6   | 72  | 59  | 51  | 45  |
| 7   | 67  | 54  | 46  | 40  |
| 8   | 63  | 50  | 41  | 36  |
| 9   | 59  | 46  | 38  | 32  |
| 10  | 55  | 42  | 34  | 29  |

Effective Floor Cavity Reflectance: 20%

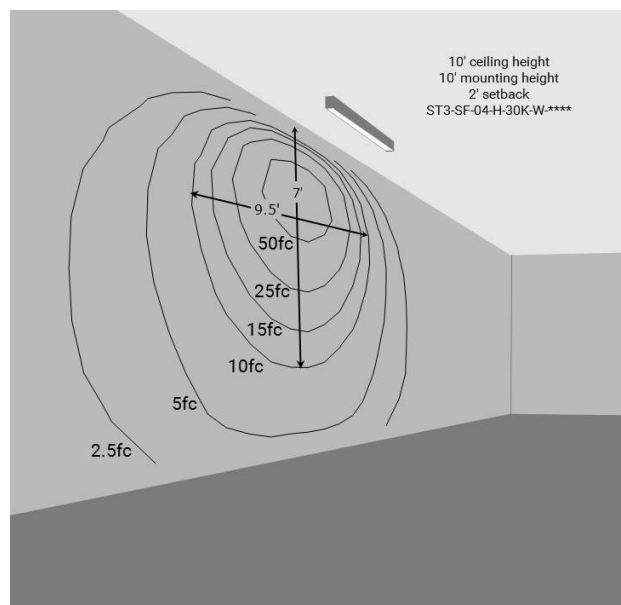
| Average Luminance Table (cd/m²) |                  |        |        |
|---------------------------------|------------------|--------|--------|
| Vertical Angle                  | Horizontal Angle |        |        |
|                                 | 0°               | 45°    | 90°    |
| 45°                             | 14,382           | 16,763 | 16,414 |
| 55°                             | 13,539           | 15,242 | 13,033 |
| 65°                             | 12,509           | 12,191 | 9,451  |
| 75°                             | 11,007           | 8,619  | 7,256  |
| 85°                             | 8,497            | 5,869  | 5,165  |

| Zonal Lumen Summary |         |        |           |
|---------------------|---------|--------|-----------|
| Zone                | Lumens  | % Lamp | Luminaire |
| 0-30                | 1141.97 | N/A    | 31.70%    |
| 0-40                | 1818.06 | N/A    | 50.50%    |
| 0-60                | 3001.82 | N/A    | 83.40%    |
| 0-90                | 3600.04 | N/A    | 100.00%   |
| 0-180               | 3600.04 | N/A    | 100.00%   |

Reference <https://www.creelighting.com/styllus-series/> for detailed photometric data.

## Application Reference

Based on ST3-SF-04-H-30K-W-\*\*\*\* Luminaire



| Styllus Linear® Surface Configuration Chart |       |    |    |    |     |     |                      |                                |                      |
|---|-------|----|----|----|-----|-----|----------------------|--------------------------------|----------------------|
| Length<br>(feet)                            | Units |    |    |    |     |     | Aperture<br>(inches) | End Cap to End Cap<br>(inches) | 1/8"<br>End Cap Kits |
|   | 2'    | 4' | 6' | 8' | 10' | 12' |                      |                                |                      |
| 2   | 1     |    |    |    |     |     | 24                   | 24.25                          |                      |
| 4   |       | 1  |    |    |     |     | 48                   | 48.25                          |                      |
| 6   |       |    | 1  |    |     |     | 72                   | 72.25                          |                      |
| 8   |       |    |    | 1  |     |     | 96                   | 96.25                          |                      |
| 10  |       |    |    |    | 1   |     | 120                  | 120.25                         | 1                    |
| 12  |       |    |    |    |     | 1   | 144                  | 144.25                         | 1                    |
| 14  |       |    | 1  | 1  |     |     | 168                  | 168.25                         | 1                    |
| 16  |       |    |    | 2  |     |     | 192                  | 192.25                         | 1                    |
| 18  |       | 1  | 1  | 1  |     |     | 216                  | 216.25                         | 1                    |
| 20  |       | 1  |    | 2  |     |     | 240                  | 240.25                         | 1                    |
| 22  |       |    | 1  | 2  |     |     | 264                  | 264.25                         | 1                    |
| 24  |       |    |    | 3  |     |     | 288                  | 288.25                         | 1                    |
| 26  |       | 1  | 1  | 2  |     |     | 312                  | 312.25                         | 1                    |
| 28  |       | 1  |    | 3  |     |     | 336                  | 336.25                         | 1                    |
| 30  |       |    | 1  | 3  |     |     | 360                  | 360.25                         | 1                    |
| 32  |       |    |    | 4  |     |     | 384                  | 384.25                         | 1                    |
| 34  |       | 1  | 1  | 3  |     |     | 408                  | 408.25                         | 1                    |
| 36  |       | 1  |    | 4  |     |     | 432                  | 432.25                         | 1                    |
| 38  |       |    | 1  | 4  |     |     | 456                  | 456.25                         | 1                    |
| 40  |       |    |    | 5  |     |     | 480                  | 480.25                         | 1                    |
| 42  |       | 1  | 1  | 4  |     |     | 504                  | 504.25                         | 1                    |
| 44  |       | 1  |    | 5  |     |     | 528                  | 528.25                         | 1                    |
| 46  |       |    | 1  | 5  |     |     | 552                  | 552.25                         | 1                    |
| 48  |       |    |    | 6  |     |     | 576                  | 576.25                         | 1                    |
| 50  |       | 1  | 1  | 5  |     |     | 600                  | 600.25                         | 1                    |
| 52  |       | 1  |    | 6  |     |     | 625                  | 625.25                         | 1                    |
| 54  |       |    | 1  | 6  |     |     | 648                  | 648.25                         | 1                    |
| 56  |       |    |    | 7  |     |     | 672                  | 672.25                         | 1                    |
| 58  |       | 1  | 1  | 6  |     |     | 696                  | 696.25                         | 1                    |
| 60  |       | 1  |    | 7  |     |     | 720                  | 720.25                         | 1                    |
| 62  |       |    | 1  | 7  |     |     | 744                  | 744.25                         | 1                    |
| 64  |       |    |    | 8  |     |     | 768                  | 768.25                         | 1                    |
| 66  |       | 1  | 1  | 7  |     |     | 792                  | 792.25                         | 1                    |
| 68  |       | 1  |    | 8  |     |     | 816                  | 816.25                         | 1                    |
| 70  |       |    | 1  | 8  |     |     | 840                  | 840.25                         | 1                    |
| 72  |       |    |    | 9  |     |     | 864                  | 864.25                         | 1                    |

# Styllus Linear® LED Surface Architectural Grade Luminaire

| Delivered Lumens & Electrical Data* |               |              |  |        |                   |      |      |      |      |
|-------------------------------------|---------------|--------------|--|--------|-------------------|------|------|------|------|
| Length                              | Lumen Package | System Watts | Initial Delivered Lumens**<br>Lambertian/<br>Wall Wash Distributions |        | Total Current (A) |      |      |      |      |
|                                     |               | 120-347V     |  |        | 120V              | 208V | 240V | 277V | 347V |
|                                     |               | 90 CRI       | 80 CRI   |        |                   |      |      |      |      |
| 2'                                  | L             | 11           | 800  | 1,020  | 0.09              | 0.05 | 0.05 | 0.04 | 0.03 |
|                                     | M             | 16           | 1,300  | 1,660  | 0.13              | 0.08 | 0.07 | 0.06 | 0.05 |
|                                     | H             | 22           | 1,800  | 2,300  | 0.18              | 0.10 | 0.09 | 0.08 | 0.06 |
| 4'                                  | L             | 19           | 1,600  | 2,050  | 0.16              | 0.09 | 0.08 | 0.07 | 0.05 |
|                                     | M             | 30           | 2,600  | 3,330  | 0.25              | 0.14 | 0.12 | 0.11 | 0.09 |
|                                     | H             | 41           | 3,600  | 4,610  | 0.35              | 0.20 | 0.17 | 0.15 | 0.12 |
| 6'                                  | L             | 27           | 2,400  | 3,070  | 0.23              | 0.13 | 0.11 | 0.10 | 0.08 |
|                                     | M             | 44           | 3,900  | 4,990  | 0.36              | 0.21 | 0.18 | 0.16 | 0.13 |
|                                     | H             | 60           | 5,400  | 6,900  | 0.51              | 0.29 | 0.25 | 0.22 | 0.17 |
| 8'                                  | L             | 35           | 3,200  | 4,100  | 0.30              | 0.17 | 0.15 | 0.13 | 0.10 |
|                                     | M             | 57           | 5,200  | 6,650  | 0.48              | 0.27 | 0.24 | 0.21 | 0.16 |
|                                     | H             | 80           | 7,200  | 9,225  | 0.68              | 0.38 | 0.33 | 0.29 | 0.23 |
| 10'                                 | L             | 44           | 4,000  | 5,125  | 0.36              | 0.21 | 0.18 | 0.16 | 0.13 |
|                                     | M             | 70           | 6,500  | 8,325  | 0.59              | 0.34 | 0.29 | 0.25 | 0.20 |
|                                     | H             | 102          | 9,000  | 11,525 | 0.86              | 0.49 | 0.42 | 0.37 | 0.29 |
| 12'                                 | L             | 52           | 4,800  | 6,150  | 0.44              | 0.25 | 0.22 | 0.19 | 0.15 |
|                                     | M             | 87           | 7,800  | 9,975  | 0.72              | 0.42 | 0.36 | 0.31 | 0.25 |
|                                     | H             | 121          | 10,800   | 13,825 | 1.02              | 0.58 | 0.50 | 0.44 | 0.34 |
| 14'                                 | L             | 62           | 5,600  | 7,170  | 0.52              | 0.30 | 0.26 | 0.23 | 0.18 |
|                                     | M             | 101          | 9,100  | 11,640 | 0.84              | 0.48 | 0.42 | 0.36 | 0.29 |
|                                     | H             | 140          | 12,600   | 16,125 | 1.18              | 0.67 | 0.58 | 0.51 | 0.40 |
| 16'                                 | L             | 70           | 6,400  | 8,200  | 0.59              | 0.34 | 0.29 | 0.25 | 0.20 |
|                                     | M             | 114          | 10,400   | 13,300 | 0.95              | 0.55 | 0.47 | 0.41 | 0.32 |
|                                     | H             | 160          | 14,400   | 18,450 | 1.35              | 0.77 | 0.66 | 0.57 | 0.46 |
| 18'                                 | L             | 81           | 7,200  | 9,220  | 0.68              | 0.39 | 0.34 | 0.29 | 0.23 |
|                                     | M             | 131          | 11,700   | 14,970 | 1.09              | 0.63 | 0.54 | 0.47 | 0.38 |
|                                     | H             | 181          | 16,200   | 20,735 | 1.53              | 0.87 | 0.76 | 0.65 | 0.52 |
| 20'                                 | L             | 89           | 8,000  | 10,250 | 0.75              | 0.43 | 0.37 | 0.32 | 0.25 |
|                                     | M             | 144          | 13,000   | 16,630 | 1.20              | 0.69 | 0.60 | 0.52 | 0.41 |
|                                     | H             | 201          | 18,000   | 23,060 | 1.70              | 0.96 | 0.84 | 0.72 | 0.58 |
| 22'                                 | L             | 97           | 8,800  | 11,270 | 0.82              | 0.47 | 0.41 | 0.35 | 0.28 |
|                                     | M             | 158          | 14,300   | 18,290 | 1.31              | 0.76 | 0.65 | 0.57 | 0.45 |
|                                     | H             | 220          | 19,800   | 25,350 | 1.86              | 1.06 | 0.92 | 0.79 | 0.63 |
| 24'                                 | L             | 105          | 9,600  | 12,300 | 0.89              | 0.51 | 0.44 | 0.38 | 0.30 |
|                                     | M             | 171          | 15,600   | 19,950 | 1.43              | 0.82 | 0.71 | 0.62 | 0.48 |
|                                     | H             | 240          | 21,600   | 27,675 | 2.03              | 1.15 | 1.00 | 0.86 | 0.69 |
| 26'                                 | L             | 116          | 10,400   | 13,320 | 0.97              | 0.56 | 0.49 | 0.42 | 0.33 |
|                                     | M             | 188          | 16,900   | 21,620 | 1.56              | 0.90 | 0.78 | 0.68 | 0.54 |
|                                     | H             | 261          | 23,400   | 29,960 | 2.20              | 1.25 | 1.09 | 0.94 | 0.75 |
| 28'                                 | L             | 124          | 11,200   | 14,350 | 1.05              | 0.60 | 0.52 | 0.45 | 0.35 |
|                                     | M             | 201          | 18,200   | 23,280 | 1.67              | 0.96 | 0.83 | 0.72 | 0.57 |
|                                     | H             | 281          | 25,200   | 32,285 | 2.37              | 1.35 | 1.17 | 1.01 | 0.81 |

\* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347V +/- 10%.

\*\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens.

| Delivered Lumens & Electrical Data* |               |              |  |        |                   |      |      |      |      |
|-------------------------------------|---------------|--------------|--|--------|-------------------|------|------|------|------|
| Length                              | Lumen Package | System Watts | Initial Delivered Lumens**<br>Lambertian/<br>Wall Wash Distributions |        | Total Current (A) |      |      |      |      |
|                                     |               | 120-347V     |  |        | 120V              | 208V | 240V | 277V | 347V |
|                                     |               | 90 CRI       | 80 CRI   |        |                   |      |      |      |      |
| 30'                                 | L             | 132          | 12,000   | 15,370 | 1.12              | 0.64 | 0.56 | 0.48 | 0.38 |
|                                     | M             | 215          | 19,500   | 24,940 | 1.79              | 1.03 | 0.89 | 0.77 | 0.61 |
|                                     | H             | 300          | 27,000   | 34,575 | 2.53              | 1.44 | 1.25 | 1.08 | 0.86 |
| 32'                                 | L             | 140          | 12,800   | 16,400 | 1.19              | 0.68 | 0.59 | 0.51 | 0.40 |
|                                     | M             | 228          | 20,800   | 26,600 | 1.90              | 1.09 | 0.95 | 0.82 | 0.64 |
|                                     | H             | 320          | 28,800   | 36,900 | 2.70              | 1.53 | 1.33 | 1.15 | 0.92 |
| 34'                                 | L             | 151          | 13,600   | 17,420 | 1.27              | 0.73 | 0.63 | 0.55 | 0.43 |
|                                     | M             | 245          | 22,100   | 28,270 | 2.04              | 1.17 | 1.02 | 0.88 | 0.70 |
|                                     | H             | 341          | 30,600   | 39,185 | 2.88              | 1.64 | 1.42 | 1.23 | 0.98 |
| 36'                                 | L             | 159          | 14,400   | 18,450 | 1.34              | 0.77 | 0.67 | 0.58 | 0.45 |
|                                     | M             | 258          | 23,400   | 29,930 | 2.15              | 1.24 | 1.07 | 0.93 | 0.73 |
|                                     | H             | 361          | 32,400   | 41,510 | 3.05              | 1.73 | 1.50 | 1.30 | 1.04 |
| 38'                                 | L             | 167          | 15,200   | 19,470 | 1.41              | 0.81 | 0.70 | 0.61 | 0.48 |
|                                     | M             | 272          | 24,700   | 31,590 | 2.26              | 1.30 | 1.13 | 0.98 | 0.77 |
|                                     | H             | 380          | 34,200   | 43,800 | 3.21              | 1.82 | 1.58 | 1.37 | 1.09 |
| 40'                                 | L             | 175          | 16,000   | 20,500 | 1.48              | 0.85 | 0.74 | 0.64 | 0.50 |
|                                     | M             | 285          | 26,000   | 33,250 | 2.38              | 1.37 | 1.18 | 1.03 | 0.80 |
|                                     | H             | 400          | 36,000   | 46,125 | 3.38              | 1.91 | 1.66 | 1.44 | 1.15 |
| 42'                                 | L             | 186          | 16,800   | 21,520 | 1.57              | 0.90 | 0.78 | 0.68 | 0.53 |
|                                     | M             | 302          | 27,300   | 34,920 | 2.51              | 1.45 | 1.25 | 1.09 | 0.86 |
|                                     | H             | 421          | 37,800   | 48,410 | 3.55              | 2.02 | 1.75 | 1.52 | 1.21 |
| 44'                                 | L             | 194          | 17,600   | 22,550 | 1.64              | 0.94 | 0.81 | 0.70 | 0.55 |
|                                     | M             | 315          | 28,600   | 36,580 | 2.62              | 1.51 | 1.31 | 1.13 | 0.89 |
|                                     | H             | 441          | 39,600   | 50,735 | 3.72              | 2.11 | 1.83 | 1.59 | 1.27 |
| 46'                                 | L             | 202          | 18,400   | 23,570 | 1.71              | 0.98 | 0.85 | 0.74 | 0.58 |
|                                     | M             | 329          | 29,900   | 38,240 | 2.74              | 1.57 | 1.36 | 1.18 | 0.93 |
|                                     | H             | 460          | 41,400   | 53,025 | 3.88              | 2.20 | 1.91 | 1.65 | 1.32 |
| 48'                                 | L             | 210          | 19,200   | 24,600 | 1.78              | 1.02 | 0.88 | 0.76 | 0.60 |
|                                     | M             | 342          | 31,200   | 39,900 | 2.85              | 1.64 | 1.42 | 1.23 | 0.96 |
|                                     | H             | 480          | 43,200   | 55,350 | 4.05              | 2.30 | 1.99 | 1.72 | 1.38 |
| 50'                                 | L             | 221          | 20,000   | 25,620 | 1.86              | 1.07 | 0.93 | 0.80 | 0.63 |
|                                     | M             | 359          | 32,500   | 41,570 | 2.99              | 1.72 | 1.49 | 1.29 | 1.02 |
|                                     | H             | 501          | 45,000   | 57,635 | 4.23              | 2.40 | 2.08 | 1.80 | 1.44 |
| 52'                                 | L             | 229          | 20,800   | 26,650 | 1.94              | 1.11 | 0.96 | 0.83 | 0.65 |
|                                     | M             | 372          | 33,800   | 43,230 | 3.10              | 1.78 | 1.54 | 1.34 | 1.05 |
|                                     | H             | 521          | 46,800   | 59,960 | 4.40              | 2.49 | 2.16 | 1.87 | 1.50 |
| 54'                                 | L             | 237          | 21,600   | 27,670 | 2.01              | 1.15 | 1.00 | 0.86 | 0.68 |
|                                     | M             | 386          | 35,100   | 44,890 | 3.21              | 1.85 | 1.60 | 1.39 | 1.09 |
|                                     | H             | 540          | 48,600   | 62,250 | 4.56              | 2.59 | 2.24 | 1.94 | 1.55 |
| 56'                                 | L             | 245          | 22,400   | 28,700 | 2.08              | 1.19 | 1.03 | 0.89 | 0.70 |
|                                     | M             | 399          | 36,400   | 46,550 | 3.33              | 1.91 | 1.66 | 1.44 | 1.12 |
|                                     | H             | 560          | 50,400   | 64,575 | 4.73              | 2.68 | 2.32 | 2.01 | 1.61 |

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**CREE**  **LIGHTING®**

Styllus Linear® LED Surface Architectural Grade Luminaire

| Delivered Lumens & Electrical Data* |               |              |  |        |                   |      |      |      |      |
|-------------------------------------|---------------|--------------|--|--------|-------------------|------|------|------|------|
| Length                              | Lumen Package | System Watts | Initial Delivered Lumens**<br>Lambertian/Wall Wash Distributions |        | Total Current (A) |      |      |      |      |
|                                     |               | 120-347V     |  |        | 120V              | 208V | 240V | 277V | 347V |
|                                     |               |              | 90 CRI   | 80 CRI |                   |      |      |      |      |
| 58'                                 | L             | 256          | 23,200   | 29,720 | 2.16              | 1.24 | 1.07 | 0.93 | 0.73 |
|                                     | M             | 416          | 37,700   | 48,220 | 3.46              | 1.99 | 1.73 | 1.50 | 1.18 |
|                                     | H             | 581          | 52,200   | 66,860 | 4.90              | 2.78 | 2.41 | 2.09 | 1.67 |
| 60'                                 | L             | 264          | 24,000   | 30,750 | 2.23              | 1.28 | 1.11 | 0.96 | 0.75 |
|                                     | M             | 429          | 39,000   | 49,880 | 3.57              | 2.06 | 1.78 | 1.54 | 1.21 |
|                                     | H             | 601          | 54,000   | 69,185 | 5.07              | 2.88 | 2.49 | 2.16 | 1.73 |
| 62'                                 | L             | 272          | 24,800   | 31,770 | 2.30              | 1.32 | 1.14 | 0.99 | 0.78 |
|                                     | M             | 443          | 40,300   | 51,540 | 3.69              | 2.12 | 1.84 | 1.59 | 1.25 |
|                                     | H             | 620          | 55,800   | 71,475 | 5.23              | 2.97 | 2.57 | 2.23 | 1.78 |
| 64'                                 | L             | 280          | 25,600   | 32,800 | 2.37              | 1.36 | 1.18 | 1.02 | 0.80 |
|                                     | M             | 456          | 41,600   | 53,200 | 3.80              | 2.18 | 1.89 | 1.64 | 1.28 |
|                                     | H             | 640          | 57,600   | 73,800 | 5.40              | 3.06 | 2.65 | 2.30 | 1.84 |
| 66'                                 | L             | 291          | 26,400   | 33,820 | 2.46              | 1.41 | 1.22 | 1.06 | 0.83 |
|                                     | M             | 473          | 42,900   | 54,870 | 3.94              | 2.26 | 1.96 | 1.70 | 1.34 |
|                                     | H             | 661          | 59,400   | 76,085 | 5.58              | 3.17 | 2.75 | 2.38 | 1.90 |
| 68'                                 | L             | 299          | 27,200   | 34,850 | 2.53              | 1.45 | 1.25 | 1.09 | 0.85 |
|                                     | M             | 486          | 44,200   | 56,530 | 4.05              | 2.33 | 2.02 | 1.75 | 1.37 |
|                                     | H             | 681          | 61,200   | 78,410 | 5.75              | 3.26 | 2.83 | 2.45 | 1.96 |
| 70'                                 | L             | 307          | 28,000   | 35,870 | 2.60              | 1.49 | 1.29 | 1.12 | 0.88 |
|                                     | M             | 500          | 45,500   | 58,190 | 4.16              | 2.39 | 2.07 | 1.80 | 1.41 |
|                                     | H             | 700          | 63,000   | 80,700 | 5.91              | 3.35 | 2.91 | 2.52 | 2.01 |
| 72'                                 | L             | 315          | 28,800   | 36,900 | 2.67              | 1.53 | 1.32 | 1.15 | 0.90 |
|                                     | M             | 513          | 46,800   | 59,850 | 4.28              | 2.46 | 2.13 | 1.85 | 1.44 |
|                                     | H             | 720          | 64,800   | 83,025 | 6.08              | 3.44 | 2.99 | 2.59 | 2.07 |

\* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347V +/- 10%.  
\*\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens.

