# Simple Solutions

## for the Sign Industry

**SloanLED®**
Leaders in LED Technology

# 57 Years of Lighting Excellence

The Sloan Company was founded in 1957 to design and develop high-reliability lighting products for the aerospace and automotive industries. By the early 1970s, the Sloan Company became the pacesetter in LED technology and the transition to SloanLED® was realized.

Today, as our name implies, LEDs are what we do and we are committed to providing quality LED systems to the sign industry.

## The SloanLED Advantage

### Innovation
• Bright, vivid signs and perimeter/accent lighting
• Easy to install
• Reliable and dependable products
• Consistent color and intensity
• Reduced maintenance and service costs
• Lowest total cost of ownership

### Reliability
• Virtually maintenance free
• Proprietary weatherproof coating
• Extremely long life, up to 100,000 hours
• Third party testing on power supplies
• Extreme environmental and product-life testing

### Environmentally friendly
• Significant energy cost savings
• Standardized low-voltage systems
• RoHS compliant
• Recycled/recyclable packing materials
• Mercury free illumination
• Compatible with solar solutions

### Quality
• ISO 9001: 2008 certification for quality management
• LM79 product testing
• TUV, UL, cUL, CE, ETL, and CSA approved
• Experienced and proven industry leader

## Why SloanLED Uses Constant Current Technology

• Maintains consistent current levels
• Eliminates current change due to forward voltage variation
• Provides uniform light output throughout the entire installation
• Prevents damage from over-driving of LEDs
• Allows modules to be wired in parallel or series without complicated load balancing

Constant Current Driver IC

12 VDC
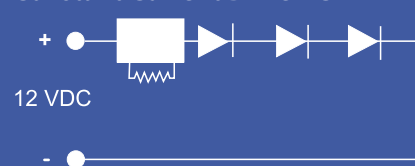
# Solutions-based Products

## White Channel Letter Products

The chart below breaks down the SloanLED white product line by can depth and Kelvin temperature.

| White | Temperature | Desired can depth | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 2 inch | 3 inch | 4 inch | 5 inch | 6 inch | 7 inch | 8 inch |
| **Strip** | | | | | | | | |
| BendLUX | 6500 K | Optimal | Acceptable | Testing required | | | | |
| **Modules** | | | | | | | | |
| V180 Large | 6500 K, 5000 K | | | Testing required | Optimal | Optimal | Optimal | Optimal |
| V180 Standard | 7200 K, 6500 K, 5000 K, 4000 K, 3000 K | | Optimal | Optimal | Optimal | Optimal | Acceptable | Testing required |
| V180 Mini | 6500 K | Optimal | Optimal | Acceptable | Testing required | | | |
| VL Plus Long | 6500 K | | Testing required | Testing required | Optimal | Optimal | Acceptable | Acceptable |
| VL Plus Short | 7200 K, 6500 K, 5000 K, 4000 K, 3000 K | | Testing required | Acceptable | Optimal | Optimal | Optimal | Testing required |
| VL Plus Mini | 6500 K | Testing required | Testing required | Optimal | Optimal | | | |
| Great White 4 | 6500 K | | | Testing required | Optimal | Optimal | Optimal | Optimal |

Legend: ■ Optimal ■ Acceptable ■ Testing required

## Cabinet/Box Lighting

| Product | Description |
|---|---|
| PosterBOX™ Slim | Perimeter lighting for slim or shallow cabinets 2 inches in depth (single-sided) or 4 inches in depth (double-sided) |
| PosterBOX™ | Perimeter lighting for shallow to standard cabinets 5 to 8 inches in depth |
| SignBOX™ II | Single-sided and double-sided solution for 4 to 11 inches in depth |

## Architectural Lighting

| Product | Description |
|---|---|
| **Fluorescent Alternative** | |
| SlimLINER | Interior and exterior illumination for awnings, vinyl canopies, and accents in narrow applications |
| HighLINER 2* | Interior and exterior illumination for soffits, awnings, and wall washes |
| **Border Tubing** | |
| LEDStripe* | Rigid tubing that is ultra bright, large profile and high impact with a daytime color when non-illuminated |
| FlexiBRITE | Flexible tubing that is pre-assembled/sealed, field cuttable, and field bendable without heating |
| ColorLINE | Neon inspired tubing with high brightness, low power consumption, and is field cuttable |

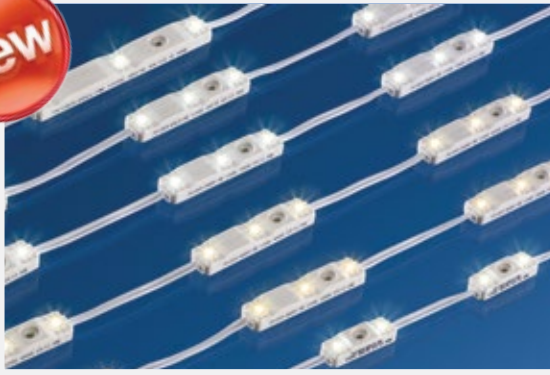* Uses 100 W 24 VDC power supply; all other products use 60 W 12 VDC power supplies

# Simple Solutions
## for brilliant color

# VL Plus family

# VL Plus Whites
## Everyday standard face-lit solutions



- Three white sizes:  Long, Short, and Mini
- Short available in 5 shades of white
- Constant Current Technology
- UL and cUL Recognized, CE, CSA Certified
- RoHS and WEEE compliant

## Specifications

| | | |
|---|---|---|
| **Dimensions L × W × H** | Long | 3.45 in × 0.49 in × 0.35 in |
| | Short | 2.35 in × 0.49 in × 0.35 in |
| | Mini | 1.33 in × 0.44 in × 0.35 in |
| **Viewing angle** | 120° | |
| **LEDs per module** | Long/Short | 3 |
| | Mini | 2 |
| **Modules per foot** | Long | 2 |
| | Short | 2.5 |
| | Mini | 4 |

| Maximum coverage per row | Can depth | Row coverage |
|---|---|---|
| 7200 K, 6500 K | 5 in | 6 in |
| 5000 K, 4000 K, 3000 K | 5 in | 5 in |

| | | |
|---|---|---|
| **Operating temperature** | -40° C to +70° C | |
| **Power per module** | Long/Short | 0.36 W |
| | Mini | 0.28 W |
| **Efficacy** | Long/Short | 111 lm/W |
| | Mini | 71 lm/W |
| **Power supply** | SloanLED 12 VDC | |
| **Fastening** | Peel-n-stick and mechanical | |
| **Packaging** | 5 trays per carton | |
| | Long | 50 modules per tray |
| | Short | 75 modules per tray |
| | Mini | 100 modules per tray |

| Item description | Part number | Lumens per module (nominal) |
|---|---|---|
| White Long (6500 K) | 701269-WVLL-MB | 40 |
| White Short (7200 K) | 701269-7WSA1-MB | 40 |
| White Short (6500 K) | 701269-WVLS-MB | 40 |
| White Short (5000 K) | 701269-5WSA1-MB | 40 |
| White Short (4000 K) | 701269-4WSA1-MB | 40 |
| White Short (3000 K) | 701269-3WSA1-MB | 40 |
| White Mini (6500 K) | 701269-WVLM-MB | 20 |

# VL Plus Colors
## Everyday standard face-lit solutions

- Two red sizes: Long and Short
- Short available in 4 additional colors
- Constant Current Technology
- UL and cUL Recognized, CE, CSA Certified
- RoHS and WEEE compliant



## Red



## Orange, Yellow, Green, and Blue



### Specifications

| | | |
|---|---|---|
| **Dimensions L × W × H** | Long | 3.45 in × 0.49 in × 0.37 in |
| | Short | 2.35 in × 0.49 in × 0.37 in |
| **Viewing angle** | 120° | |
| **LEDs per module** | 3 | |
| **Modules per foot** | Long | 2 |
| | Short | 2.5 |

| **Maximum coverage per row** | **Can depth** | **Row coverage** |
|---|---|---|
| | 5 in | 6 in |

| | | |
|---|---|---|
| **Operating temperature** | -40° C to +70° C | |
| **Power per module** | Long | 0.36 W |
| | Short | 0.29 W |
| **Power supply** | SloanLED 12 VDC | |
| **Efficacy** | Long/Short | 31 lm/W |
| **Fastening** | Peel-n-stick and mechanical | |
| **Packaging** | 5 trays per carton | |
| | Long | 50 modules per tray |
| | Short | 75 modules per tray |

### Specifications

| | | |
|---|---|---|
| **Dimensions L × W × H** | 2.35 in × 0.49 in × 0.37 in | |
| **Viewing angle** | 120° | |
| **LEDs per module** | 3 | |
| **Modules per foot** | 2.5 | |

| **Maximum coverage per row** | **Can depth** | **Row coverage** |
|---|---|---|
| Orange, Yellow | 5 in | 6 in |
| Green, Blue | 5 in | 5 in |

| | | |
|---|---|---|
| **Operating temperature** | -40° C to +70° C | |
| **Power per module** | Orange, Yellow | 0.29 W |
| | Green, Blue | 0.36 W |
| **Power supply** | SloanLED 12 VDC | |
| **Efficacy** | Orange | 45 lm/W |
| | Yellow | 28 lm/W |
| | Green | 86 lm/W |
| | Blue | 25 lm/W |
| **Fastening** | Peel-n-stick and mechanical | |
| **Packaging** | 5 trays per carton | |
| | 75 modules per tray | |

| Item description | Part number | Lumens per module (nominal) |
|---|---|---|
| Red Long (625 nm) | 701269-RVLL-MB | 11 |
| Red Short (625 nm) | 701269-RVLS-MB | 9 |

| Item description | Part number | Lumens per module (nominal) |
|---|---|---|
| Orange Short (610 nm) | 701269-ORSA1-MB | 13 |
| Yellow Short (590 nm) | 701269-YLSA1-MB | 8 |
| Green Short (528 nm) | 701269-GRSA1-MB | 31 |
| Blue Short (470 nm) | 701269-BLSA1-MB | 9 |

# ChanneLED 5 Red
## High output red



- SloanStretch expandable wire (+2 inch) feature for optimum module placement
- Run 45 feet per SloanLED 60 W 12 VDC power supply
- Constant Current Technology
- UL and cUL Recognized, CE, CSA Certified
- RoHS and WEEE compliant

### Specifications

| | |
|---|---|
| **Dimensions L × W × H** | 4 in × 0.46 in × 0.45 in |
| **Viewing angle** | 120° |
| **LEDs per module** | 3 |
| **Modules per foot** | 2 |

| **Maximum coverage per row** | **Can depth** | **Row coverage** |
|---|---|---|
| | ≥ 5 in | 7.5 in |

| | |
|---|---|
| **Operating temperature** | -40° C to +70° C |
| <mark>Special feature</mark> | SloanStretch expandable wire (+2 in) |
| **Power per module** | 0.60 W |
| **Efficacy** | 30 lm/W |
| **Power supply** | SloanLED 12 VDC |
| **Fastening** | Peel-n-stick and mechanical |
| **Packaging** | 5 trays per carton<br>50 modules per tray |

| Item description | Part number | Lumens per module (nominal) |
|---|---|---|
| Red (625 nm) | 701269-R5-MB | 18 |

# Great White 4
## High output white



- Advanced high output white LED system
- Run 25 feet per SloanLED 60 W 12 VDC power supply
- Constant Current Technology
- UL and cUL Recognized, CE, CSA Certified
- RoHS and WEEE compliant

### Specifications

| | |
|---|---|
| **Dimensions L × W × H** | 3.16 in × 0.50 in × 0.36 in |
| **Viewing angle** | 120° |
| **LEDs per module** | 6 |
| **Modules per foot** | 2 |

| **Maximum coverage per row** | **Can depth** | **Row coverage** |
|---|---|---|
| | 5 in to <8 in | 5 in |
| | ≥8 in | 8 in |

| | |
|---|---|
| **Operating temperature** | -40° C to +70° C |
| **Power per module** | 1.08 W |
| **Efficacy** | 90 lm/W |
| **Power supply** | SloanLED 12 VDC |
| **Fastening** | Peel-n-stick and mechanical |
| **Packaging** | 5 trays per carton<br>50 modules per tray |

| Item description | Part number | Lumens per module (nominal) |
|---|---|---|
| Great White 4 (6500 K) | 701269-WL4-MB | 98 |

# V180

## Revolutionary 180° LED modules

- Standard available in 5 shades of white
- Use less modules to illuminate more
- Versatile low-profile modules
- Constant Current Technology
- UL and cUL Recognized, CE, CSA Certified
- RoHS and WEEE compliant



## Large, Standard, and Mini



## Specifications

| | | |
|---|---|---|
| **Dimensions L × W × H** | Large | 1.76 in × 0.95 in × 0.38 in |
| | Standard | 1.63 in × 0.80 in × 0.31 in |
| | Mini | 1.24 in × 0.50 in × 0.34 in |

**Viewing angle**     180°

**LEDs per module**     3

**Modules per foot**

| Size | Natural | Stretched |
|---|---|---|
| Large | 2 | 1.2 |
| Standard | 2.5 | 2 |
| Mini | 2.5 | N/A |

**Maximum coverage per row**

| | Can depth | Row coverage |
|---|---|---|
| Large | 5 in | 10 in |
| Standard | 5 in | 8 in |
| Mini | 3 in | 4 in |

**Operating temperature**     -40° C to +70° C

**Special feature**     Wire stretch feature available on Large and Standard

**Power per module**

| | |
|---|---|
| Large | 1.20 W |
| Standard | 0.55 W |
| Mini | 0.31 W |

**Efficacy**

| | |
|---|---|
| Large | 108 lm/W |
| Standard | 90 lm/W |
| Mini | 103 lm/W |

**Power supply**     SloanLED 12 VDC

**Fastening**     Peel-n-stick and mechanical

**Packaging**     5 trays per carton

| | |
|---|---|
| Large | 42 modules per tray |
| Standard | 62 modules per tray |
| Mini | 75 modules per tray |

| Item description | Part number | Lumens per module (nominal) |
|---|---|---|
| Large (6500 K) | 701269-6WLG1-MB | 130 |
| Large (5000 K) | 701269-5WLG1-MB | 130 |
| Standard (7200 K) | 701269-7WSG1-MB | 50 |
| Standard (6500 K) | 701269-6WSG1-MB | 50 |
| Standard (5000 K) | 701269-5WSG1-MB | 50 |
| Standard (4000 K) | 701269-4WSG1-MB | 50 |
| Standard (3000 K) | 701269-3WSG1-MB | 50 |
| Mini (6500 K) | 701269-WLP2-MB | 32 |

# Simple Solutions
## to achieve more with less



# V180



5″ can depth

33 modules

36″

24″

6″
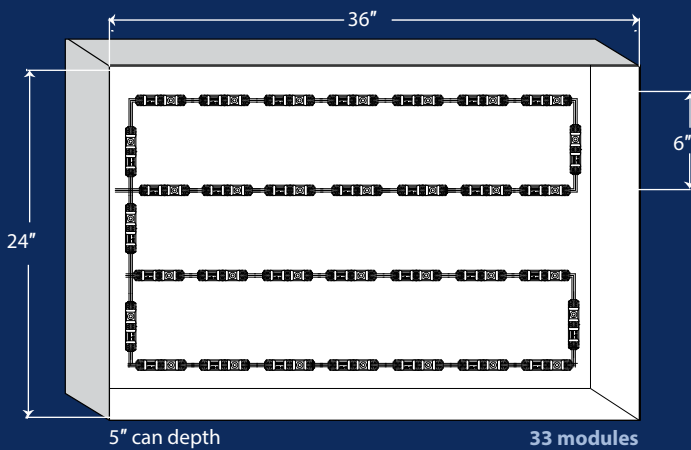
### V180 achieves even illumination with 33% less modules



36″

24″

8″

5″ can depth

**V180 Standard**
**22 modules**
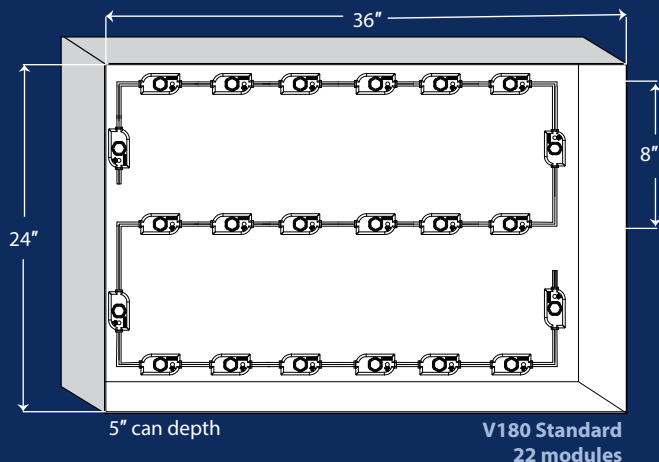
# BendLUX
## Low-profile, flexible strip lighting
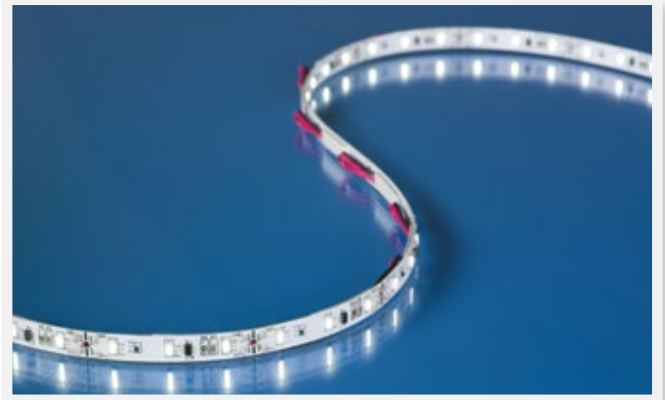


- Bendable in both flat and radial directions
- Low-profile illumination for solid acrylic block letters, narrow and shallow channel letters, and back-lit halo letters
- Snappable every 1.7 inches with jumpers in place for easy flat bends and connections
- Constant Current Technology
- UL and cUL Recognized, CE, CSA Certified
- RoHS and WEEE compliant

## Specifications

| | |
|---|---|
| **Dimensions L × W × H** | 24 in × 0.30 in × 0.10 in |
| **Viewing angle** | 120° |
| **LEDs per section** | 3 |
| **Nominal color temperature** | 6500 K |
| **Minimum radial bend radius** | 1 in |
| **Operating temperature** | -40° C to +70° C |
| **Special features** | Snappable every 1.7 inches, Jumpers between sections for easy flat bends and connections |
| **Power** | 0.3 W per section, 4.2 W per strip |
| **Efficacy** | 85 lm/W |
| **Power supply** | SloanLED 12 VDC |
| **Fastening** | Peel-n-stick |
| **Packaging** | 12 strips per box |
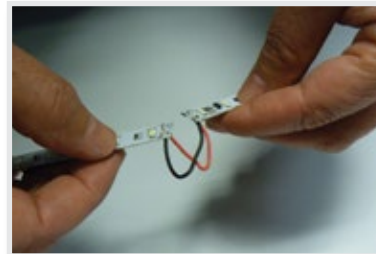


Snap modules and stretch wire for additional flexibility

| Item description | Part number | Lumens per strip (nominal) |
|---|---|---|
| BendLUX (6500 K) | 701960-6WS241 | 365 |

9

# Simple Solutions
## for illuminating sign cabinets

PosterBOX Slim

PosterBOX

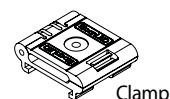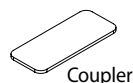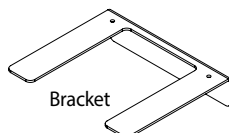SignBOX II

# Inside the BOX

# SignBOX II
## Single or double-sided boxes
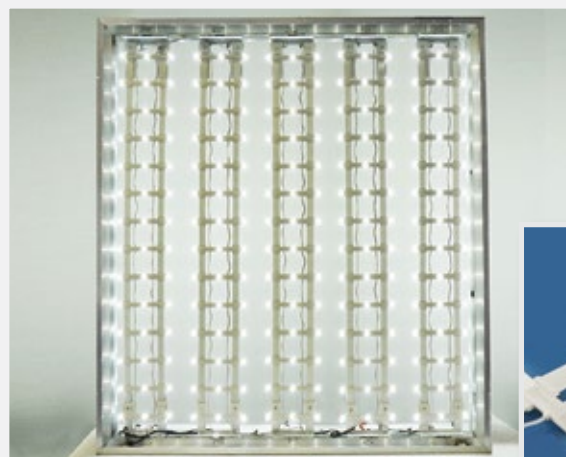
- Bright, even illumination for single or double-sided
- Illuminates 5 inches from face
- Mounted on flexible straps for easy installation
- UL and cUL Recognized, CE, CSA Certified
- RoHS and WEEE compliant

## Specifications

| | | |
|---|---|---|
| **Dimensions L × W × H** | 8.5 in × 1.0 in × 0.3 in | |
| | 60 modules per 20 ft chain | |
| **Viewing angle** | 120° | |
| **LEDs per module** | Single-sided | 3 |
| | Double-sided | 6 |
| **Modules per foot** | 3 | |
| **Operating temperature** | -40° C to +70° C | |
| **Special feature** | Cuttable in 4 inch increments | |
| **Power per module** | Single-sided | 0.90 W |
| | Double-sided | 1.80 W |
| **Efficacy** | 100 lm/W | |
| **Power supply** | SloanLED 12 VDC | |
| **Fastening** | Clamps with mechanical fasteners | |
| **Packaging** | 60 modules per carton, 16 clamps included | |
| **Accessories** | Bracket (401309), Clamp (410155), Coupler (401330) | |

Bracket          Coupler          Clamp

| Item description | Part number | Lumens per module (nominal) |
|---|---|---|
| Single-sided (6500 K) | 701946-6WS201 | 90 |
| Single-sided (5000 K) | 701946-5WS201 | 90 |
| Double-sided (6500 K) | 701946-6WD201 | 180 |
| Double-sided (5000 K) | 701946-5WD201 | 180 |

SignBOX II is covered by US and foreign patents pending.

# PosterBOX
## Shallow or narrow cabinets



- Easily illuminates double-sided cabinets with 4-6 inch can depths
- Side mounted module
- FanFlare™ lens technology projects light in a fan pattern to evenly illuminate the sign face
- UL and cUL Recognized, CE, CSA Certified
- RoHS and WEEE compliant

### Specifications (full module):

| | |
|---|---|
| **Dimensions L × W × H** | 8.67 in × 1.74 in × 0.92 in |
| **LEDs per module** | 3 |
| **Light throw** | 4 ft |
| **Operating temperature** | -40° C to +70° C |
| **Special feature** | FanFlare™ lens technology |
| **Power per module** | 6.7 W |
| **Efficacy** | 82 lm/W |
| **Power supply** | SloanLED 12 VDC |
| **Fastening** | Peel-n-stick and mechanical |
| **Packaging** | 10 modules and FlareShields™ per carton |
| **Accessories** | FlareShield (401059) for shallower applications to eliminate hot spots |



FlareShield on module

| Item description | Part number | Lumens per module (nominal) |
|---|---|---|
| PosterBOX (6500 K) | 701946-CWPBM | 550 |
| PosterBOX (5000 K) | 701946-NWPBM | 550 |

# PosterBOX Slim
## Shallow cabinets



- FanFlare™ lens technology projects light in a fan pattern to evenly illuminate the sign face
- Excellent white light intensity and uniformity
- Optimal for box signs as shallow as:
  - 2 inches for single-sided
  - 4 inches for double-sided
- UL and cUL Recognized, CE, CSA Certified
- RoHS and WEEE compliant

### Specifications

| | |
|---|---|
| **Dimensions L × W × H** | 4.87 in × 1.00 in × 0.61 in |
| **Viewing angle** | 15° × 43° |
| **LEDs per module** | 3 |
| **Modules per foot** | 2 |
| **Light throw** | 1.5 ft maximum to center of box |
| **Operating temperature** | -40° C to +70° C |
| **Special features** | FanFlare™ lens technology, Wire stretch feature for electrical connections |
| **Power per module** | 1.38 W |
| **Efficacy** | 87 lm/W |
| **Power supply** | SloanLED 12 VDC |
| **Fastening** | Peel-n-stick and mechanical |
| **Packaging** | 38 modules per tray 3 trays per carton |

| Item description | Part number | Lumens per module (nominal) |
|---|---|---|
| PosterBOX Slim (6500 K) | 701946-6WXLP | 120 |
| PosterBOX Slim (5000 K) | 701946-5WXLP1 | 120 |

*Green Signage* ♥

# Simple Solutions
## for shallow cabinets

Cabinet/Box Lighting

# PosterBOX
## Graphics easily illuminated

# Simple Solutions
## for architectural details

HighLINER 2

## Fluorescent Alternatives

- Add attention and definition to architectural details
- Highlight non-illuminated signs
- Illuminate canopies and awnings

LEDStripe

## Border Tubing and Accents

- Add architectural detail and enhanced visibility to buildings
- Create neon-like looks with eco-friendly LED-based tubing
- Choose from an array of colors

# SlimLINER
## Awnings, vinyl canopies, and accents



- Can be cut in the field
- Easy and quick to install
- Slim, lightweight, and low profile fixture
- Illuminate awnings evenly
- UL and cUL Recognized, CE, ETL Certified
- RoHS and WEEE compliant

### Specifications

| | |
|---|---|
| **Dimensions L × W × H** | 46 in × 0.875 in × 0.375 in |
| **Lumens per fixture** | 725 |
| **Nominal color temperature** | 5000 K |
| **Color Rendering Index (CRI)** | 70 (nominal) |
| **Estimated product lifetime** | 50,000 hours ($L_{70}$) |
| **Operating temperature** | -40° C to +70° C |
| **Special feature** | Each fixture can be cut for two usable sides in 6 inch increments |
| **Power** | 2.25 W per foot, 9 W per stick |
| **Efficacy** | 81 lm/W |
| **Power supply** | SloanLED 12 VDC |
| **Fastening** | Peel-n-stick or mounting clips (401203), 4 clips included with each unit |

| Item description | Part number | Lumens per fixture (nominal) |
|---|---|---|
| SlimLINER (5000 K) | 701956-5WL461 | 725 |

# HighLINER 2
## Soffits, awnings, and wall washes



- Easy to install
- Lightweight fixture
- Illuminate soffits evenly
- UL and cUL Recognized, CE, ETL Certified
- RoHS and WEEE compliant

### Specifications

| | | |
|---|---|---|
| **Dimensions L × W × H** | 4 ft | 45.69 in × 2.38 in × 1.12 in |
| | 1 ft | 11.98 in × 2.38 in × 1.12 in |
| **Lumens per fixture** | 4 ft | 1450 |
| | 1 ft | 362 |
| **Nominal color temperature** | 5000 K | |
| **Color Rendering Index (CRI)** | 75 (nominal) | |
| **Estimated product lifetime** | 100,000 hours ($L_{70}$) | |
| **Operating temperature** | -25° C to +50° C | |
| **Power** | 4 ft | 14.4 W |
| | 1 ft | 3.6 W |
| **Power supply** | SloanLED 24 VDC | |
| **Efficacy** | 100 lm/W (at LED) | |
| **Fastening** | 4 ft | 3 mounting clips (400686) and 2 wire nut housings (400860) included |
| | 1 ft | 2 mounting clips (400686) and 2 wire nut housings (400860) included |

| Item description | Part number | Lumens per fixture (nominal) |
|---|---|---|
| HighLINER 2  4 ft (5000 K) | 701912-C1I75 | 1450 |
| HighLINER 2  1 ft (5000 K) | 701912-L1C1I75 | 362 |

Fluorescent Alternative – Architectural Lighting

# ColorLINE
## Neon-inspired tubing



- Slim profile similar to standard neon
- Neutral frosted white color when non-illuminated
- High impact acrylic: UV stable, hydrocarbon insensitive, and non-fading
- Three lit mitered corner configurations
- Convenient, weatherproof connectors between sections
- Can be cut in the field
- UL and cUL Recognized, CE Certified, ETL Listed
- RoHS and WEEE compliant

## Specifications

| | |
|---|---|
| **Factory bends** | 9.75 in radius |
| **In-field bends** | Radial bend    19 ft<br>Flat bend      6 ft |
| **Operating temperature** | -40° C to +70° C |
| **Power per foot** | 2.28 W |
| **Power supply** | SloanLED 12 VDC |
| **Colors** | Red, Orange, Yellow, Green, Blue, White (6500 K), Warm White (not shown) |



400381-25

Mounting Clip
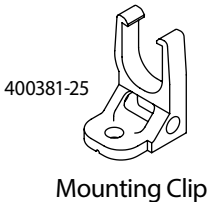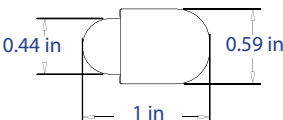
| Item description | Part number | Approx. cut increments |
|---|---|---|
| 2 ft Tube | 701800-color-2 | 2.4 in |
| 4 ft Tube | 701800-color-4 | 2.4 in |
| 6 ft Tube | 701800-color-6 | 2.4 in |
| 8 ft Tube | 701800-color-8 | 2.4 in |

ColorLINE is covered by US and foreign patents pending and covered by the following US patents issued: 6,776,504, 6,969,179, 7,192,157

# FlexiBRITE
## Flexible LED tubing



- Extremely flexible LED tubing
- Daytime color for red and neutral for other colors
- Optically modified silicone extrusion: UV stable, hydrocarbon insensitive, and non-fading
- Convenient mounting clips and mounting tracks
- Can be cut in the field
- UL and cUL Recognized, CE Certified
- RoHS and WEEE compliant

## Specifications

| | |
|---|---|
| **In-field bends** | Radial bend    12 in<br>Flat bend      1 in |
| **Operating temperature** | -40° C to +70° C |
| **Power per foot** | 2.8 W |
| **Power supply** | SloanLED 12 VDC |
| **Packaging** | 2-foot or 10-foot kit with end caps, glue, and mounting clips |



701456-10

701572-25

Mounting Track and Clip
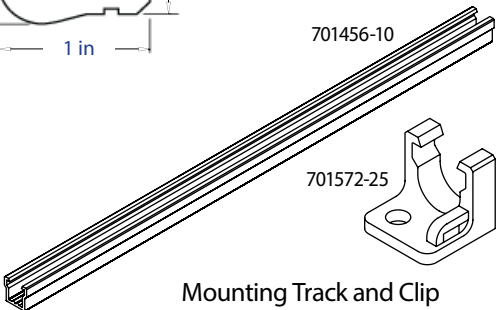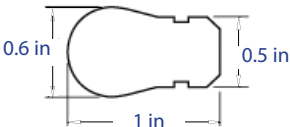
| Item description | Part number | Cut increments |
|---|---|---|
| Red | 701499-R-Size | 2 in |
| Orange | 701499-O-Size | 2 in |
| Yellow | 701499-Y-Size | 2 in |
| Green | 701499-G-Size | 1 in |
| Blue | 701499-B-Size | 1 in |

FlexiBRITE is covered by US and foreign patents pending and covered by the following US patents issued: 6,776,504 and 7,213,941 and European Patent No. 1756471

# LEDStripe
## Large-profile LED tubing

**NOW BRIGHTER**



- Daytime color when non-illuminated
- High impact acrylic: UV stable, hydrocarbon insensitive, and non-fading
- Can be cut in the field
- Conforms to UL 48 Standard, CE Certified, and ETL Listed
- RoHS and WEEE compliant

### Specifications

| | |
|---|---|
| **Factory bends** | 12 in radius |
| **In-field bends** | Radial bend      14 ft<br>Flat bend        19 ft |
| **Operating temperature** | -40° C to +70° C |
| **Power per foot** | 1.5 W |
| **Colors** | Warm:   Red (R), Orange (A), Amber (Y)<br>Cool:     Green (G), Blue (B), White (W)<br>Misc.:    Lemon Yellow (WY) with<br>              Amber daytime color |
| **Power supply** | SloanLED 24 VDC |

1 in

1.68 in

701156       400775
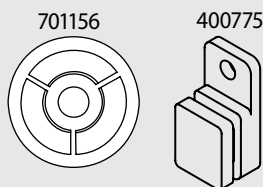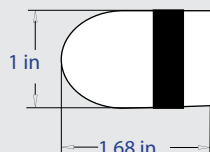
**Mounting Buttons**

**Corner and Joint Covers**
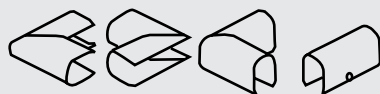
| | |
|---|---|
| Outside Corner | 701362-X |
| Inside Corner | 701363-X |
| Step Corner | 701364-X |
| Joint | 701361-X |

| Item description | Part number | Approx. cut increments |
|---|---|---|
| 1 ft Tube | 701189-color-1 | 1 in |
| 2 ft Tube | 701189-color-2 | 3 in |
| 4 ft Tube | 701189-color-4 | 3 in |
| 6 ft Tube | 701189-color-6 | 3 in |
| 8 ft Tube | 701189-color-8 | 3 in |
| 10 ft Tube | 701189-color-10 | 3 in |

LEDStripe is covered by US and foreign patents pending and covered by the following US patents issued: 6,776,504, 6,969,179, and 7,192,157

# 24 VDC Power Supply
## HighLINER 2 and LEDStripe



- IP68 (Ingress Protection) rating
- Auto-resetting
- Simple secondary hook-ups: No minimum load, dip-switches, or load balancing required
- Modular, rugged, and compact design
- CE and UL Recognized for dry, damp, and wet locations
- Backward compatible with legacy SloanLED LEDStripe
- RoHS and WEEE compliant

| Part number | Nominal input voltage | Max input current | Power output | Overall dimensions L × W × H |
|---|---|---|---|---|
| 701895-24C | 100-240 V | 2.0 A | 100 W | 10.25 in × 1.73 in × 1.19 in |

### Power Supply Capacity

| Item description | Power output | Maximum | Power per foot |
|---|---|---|---|
| HighLINER 2 | 100 W DC | 24 feet | 3.6 W |
| LEDStripe 24 VDC (all colors) | 100 W (2 legs) DC* | 60 feet | 1.5 W |

**\***Footages expressed are total (maximum 30 ft per leg).
Power Output is based on Power Supply loading of two parallel 30 ft legs.
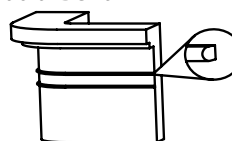Actual power draw may depend on loading configuration.

Illustrated above are two parallel 30 ft legs of LEDStripe.

## Bends
## LEDStripe and ColorLINE

- Radial or flat bend
- Factory bend:

| LEDStripe | 12 in minimum radius |
|---|---|
| ColorLINE | 9.75 in minimum radius |

**Radial Bend**

In-field radial bend:
| LEDStripe | 14 ft minimum |
|---|---|
| ColorLINE | 19 ft minimum |

**Flat Bend**

In-field flat bend:
| LEDStripe | 19 ft minimum |
|---|---|
| ColorLINE | 6 ft minimum |

Fluorescent Alternative – Architectural Lighting
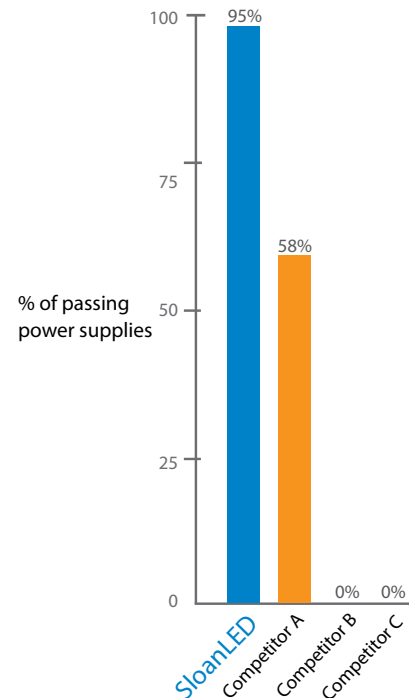
# 12 VDC Power Supplies

## MODW 60 Watt
### IP68 Rated



- Auto-resetting
  - No fuses to replace or circuit breaker to reset
  - Short circuit protection automatically resets when short condition is corrected
- Operating temperature -40° C to +60° C

- IP68 rating
- Modular design
  - Cluster with standard J-boxes to create multiple 60 W legs
- UL, cUL, CSA, TUV, CE certification
  - UL Classified for field retrofits
- RoHS and WEEE compliant

## 3$^{rd}$ Party Independent Test Results

Thermal shock cycle comparison test based on 100 cycles = 7.6 years



% of passing power supplies

"MODW units meet SloanLED's stringent design criteria and outperformed the competition, making them best-in-class."

Elmer Tolentino Jr., CRE
Principal Reliability Engineer
Reliant Labs

## Self-Contained 20 Watt



- Small compact size
- Operating temperature -30° C to +60° C
- UL-rated for dry and damp locations
- RoHS and WEEE compliant

### Specifications for all SloanLED 12 VDC Power Supplies

| Item description | Part number | Nominal input voltage | Max. input current | Power output | Enclosure spec | | | Overall dimensions L × W × H |
|---|---|---|---|---|---|---|---|---|
| | | | | | Dry | Damp | Wet | |
| Self-Contained 20 W | 701680 | 100-240 V | 0.55 A | 20 W | X | X | | 4.65 in × 1.38 in × 1.03 in |
| MODW 60 W | 701507-MODW | 100-240 V | 1.0 A | 60 W | X | X | X | 9 in × 2.5 in × 1.5 in |
| MOD277 60 W | 701507-MOD277 | 277-347 V | 0.5 A | 60 W | X | X | X | 10.5 in × 2.5 in × 1.5 in |

SloanLED power supplies carry required UL, cUL, and CSA certification
Self-Contained 20, MODW, and MOD277 also carry CE certification

## Dimmer Solutions

All SloanLED 12 VDC products can be dimmed using our dimming module (701817) and either our manual Dim Control Box (701843) or approved automatic controller.

## Installation Cables

SloanLED offers 18 gauge (400299-1200) and 14 gauge (400301-100) cable to make your installation easier.

# 12 VDC Power Supply Capacity

Maximum number of modules – based on 90% of rated capacity

## SloanLED Channel Letter Products

| Item description (Part number) | Power output | V180 Large | V180 Standard | V180 Mini | ChanneLED 5 Red | BendLUX |
|---|---|---|---|---|---|---|
| **Modules per foot** | | 2 | 2.5 | 2.5 | 2 | 2 ft strips |
| Self-Contained 20 W (701680) | 20 W | 7.5 ft / 15 Mods | 12.8 ft / 32 Mods | 22.8 ft / 57 Mods | 15 ft / 30 Mods | 8 ft / 4 Strips |
| MODW 60 W (701507-MODW) MOD277 60 W (701507-MOD277) | 60 W | 22.5 ft / 45 Mods | 39.2 ft / 98 Mods | 69.2 ft / 173 Mods | 45 ft / 90 Mods | 25 ft / 12.5 Strips |
| Watts per module | | 1.20 | 0.55 | 0.31 | 0.60 | 4.2 W per strip |

| Item description (Part number) | Power output | VL Plus Long White, Red | VL Plus Short Red, Yellow, Orange | VL Plus Short Whites, Blue, Green | VL Plus Mini White | Great White 4 |
|---|---|---|---|---|---|---|
| **Modules per foot** | | 2 | 2.5 | 2.5 | 4 | 2 |
| Self-Contained 20 W (701680) | 20 W | 25 ft / 50 Mods | 24.8 ft / 62 Mods | 20 ft / 50 Mods | 16.25 ft / 65 Mods | 8 ft / 16 Mods |
| MODW 60 W (701507-MODW) MOD277 60 W (701507-MOD277) | 60 W | 75 ft / 150 Mods | 74.8 ft / 187 Mods | 60 ft / 150 Mods | 49 ft / 196 Mods | 25 ft / 50 Mods |
| Watts per module | | 0.36 | 0.29 | 0.36 | 0.28 | 1.08 |

## SloanLED Cabinet/Box Products

| Item description (Part number) | Power output | PosterBOX Slim | PosterBOX | SignBOX II Single-sided | SignBOX II Double-sided |
|---|---|---|---|---|---|
| **Modules per foot** | | 2 | N/A* | 3 | 3 |
| Self-Contained 20 W (701680) | 20 W | 6 ft / 12 Mods | 2 Mods | 6.6 ft / 20 Mods | 3.3 ft / 10 Mods |
| MODW 60 W (701507-MODW) MOD277 60 W (701507-MOD277) | 60 W | 19 ft / 38 Mods | 8 Mods | 20 ft / 60 Mods | 10 ft / 30 Mods |
| Watts per module | | 1.38 | 6.70 | 0.90 | 1.80 |

* Contact customer service for additional details.

## SlimLINER, ColorLINE, and FlexiBRITE

| Item description (Part number) | Power output | SlimLINER | FlexiBRITE all colors | ColorLINE all colors |
|---|---|---|---|---|
| | | | **Maximum feet** | |
| Self-Contained 20 W (701680) | 20 W | 8 | 6 | 8 |
| MODW 60 W (701507-MODW) MOD277 60 W (701507-MOD277) | 60 W | 24 | 20 | 24 |
| Power used per foot in Watts | | 2.25 | 2.80 | 2.30 |

NOTE: When mixing modules of different sizes/colors or various products on the same power supply, simply add all the power requirements for the respective footages of each product. Then choose appropriate power supplies to provide adequate power output. The actual number of power supplies needed may vary based on how the materials are distributed across the project.

# Product Warranty

SloanLED lighting products carry a limited product warranty when used with SloanLED power supplies.
Please see SloanLED warranty details on our website.

- Channel letter products: All colors are 5 years
- Box lighting products, HighLINER 2, and SlimLINER are 5 years
- Border tubing in red, orange, amber, and yellow are 5 years
- Border tubing in green, blue , whites, and lemon yellow are 3 years
- Power supplies are 5 years

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