

24  
VDC

# We Brighten Your Brands



## SloanLED BrightLINE

LED illumination for shallow,  
single-sided sign boxes

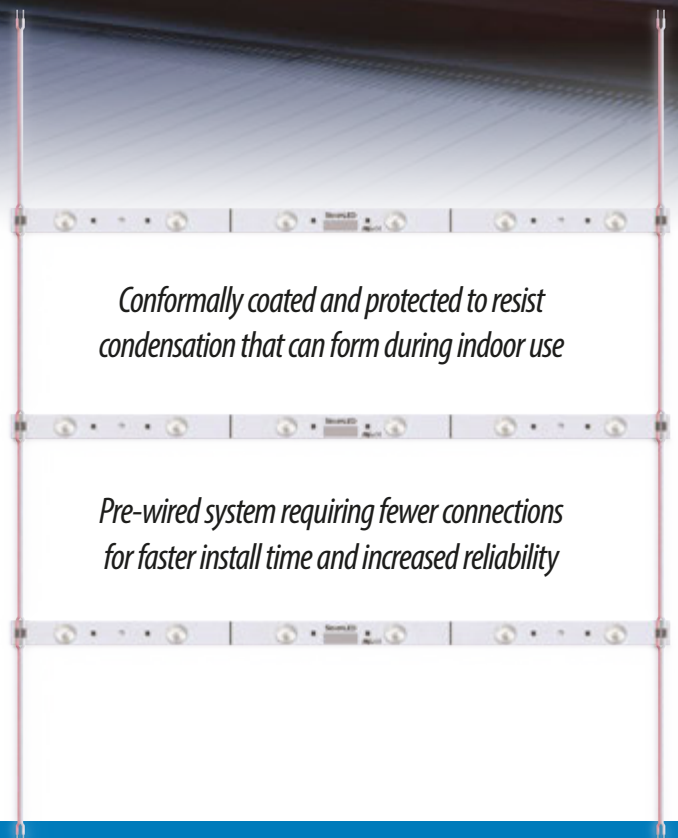
 **SloanLED**<sup>®</sup>  
Leaders in LED Technology

# A straight line to stunning retail displays.

SloanLED BrightLINE delivers bright, uniform illumination and fast, easy installation in shallow, single-sided, fabric-face light boxes — creating vibrant, eye-catching retail displays, and bringing backlit graphics to life.



- Ideal for single-sided, fabric-face light boxes 30 - 120 mm (1.2 - 4.7") deep
- Long and Short lengths available for ease of installation
- Features prism lens technology for bright, even illumination
- Can be cut in width and length for zero waste\*
- Fast, easy installation with no soldering or plugging individual boards together
- 5-year parts and labor assistance warranty



*Conformally coated and protected to resist condensation that can form during indoor use*

*Pre-wired system requiring fewer connections for faster install time and increased reliability*



*Micro prism lens producing a wide, even light spread*

SloanLED BrightLINE features prism lens technology which captures otherwise wasted light and redirects it toward the illuminated surface, delivering bright, even illumination and wider spacing, while providing a greater degree of protection against accidental damage to the LED system when the retailer is replacing the graphics.

\* SloanLED BrightLINE Short can be cut in length only.



# Consistency is key.

Binning is a method of sorting LED chips so that all the LEDs from one particular bin share a similar output and appearance. Many LED systems often demonstrate a temperature range variation of 1000 K, and extreme deviations like that can result in substantial differences in color. This is particularly evident in more challenging applications such as shallow light boxes where consistent color reproduction across the entire display is crucial. SloanLED maintains tight control over the binning process for chip color consistency so your brand is represented accurately every time.



## Brightening the bottom line.

SloanLED has been a key manufacturer and supplier to the sign industry for over 20 years. Our high-efficiency, long lasting solutions don't just light your signs; they represent significant energy cost reductions, maintenance cost savings, easy installation, and faster ROI. SloanLED BrightLINE's low-voltage 24 VDC system delivers exceptional efficiency and performance, and surpasses expectations using up to 20% less power than common LED ribbon tape solutions.



## Confidence down the line.

LED ribbon tape, commonly used in this type of application, is often manufactured using cheaper components—maximizing the potential brightness of the product at the expense of longevity and overdriving the LEDs for instant gratification, resulting in a color shift and a decrease in brightness over a short period of time. SloanLED BrightLINE utilizes the highest caliber components in order to maintain brightness and consistent color throughout the life of the product, even at temperatures up to 60° C.

# SloanLED BrightLINE

## Specifications

**Part number**.....Long.....701989-6W24SA1  
 Short.....701989-6W24CA1

**Dimensions L x W x H**.....Long.....479 mm x 18 mm x 8 mm  
 (18.875 in x 0.7 in x 0.3 in)  
 Short.....160 mm x 18 mm x 8 mm  
 (6.3 in x 0.7 in x 0.3 in)

**LEDs per strip**.....Long.....6  
 Short.....2

**Strips per meter / foot**.....6.7 / 2.0 (fully spaced)

### Coverage per row

| Depth         | Spacing     |
|---------------|-------------|
| 30 mm (1.2")  | 100 mm (4") |
| 50 mm (2")    | 120 mm (5") |
| 60 mm (2.4")+ | 150 mm (6") |

**Operating temperature**.....-40° C to +60° C

**Protection class**.....IP5X

**Location rating**.....Dry location indoor use only

**Life rating**.....>54,000 hours

**Power per strip**.....Long.....4.8 W  
 Short.....1.6 W

**Efficacy**.....104 lm/W

**Power capacity**.....**Per SloanLED 100 W 24 VDC power supply**  
 Long.....18 strips (2.7 m / 8.9 ft)  
 Short.....56 strips (8.4 m / 27.6 ft)

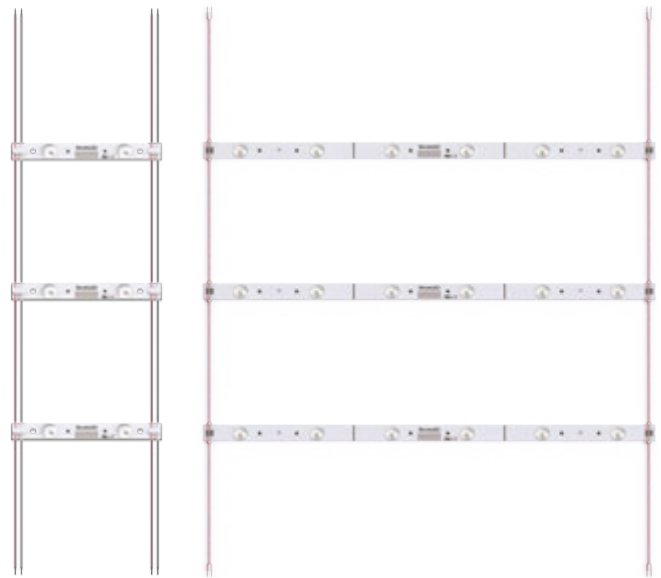
**Optional dimming**.....PWM (Pulse width modulation,  
 SloanLED Universal LED Wireless Dimmer 601115)

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

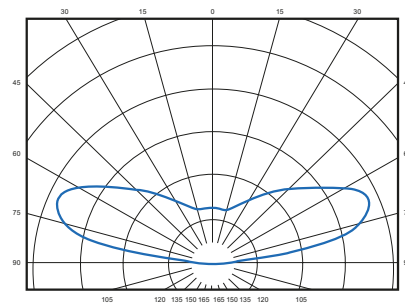
**Packaging**.....Long  
 Ten 0.5-m (1.6-ft), 18-piece, daisy-chains per carton  
 Short  
 Ten 160 mm (6.3"), 18-piece, daisy-chains per carton

**Color temperature**.....6500 K

**Lumens per strip**.....Long.....500  
 Short.....167



## Luminous Intensity Distribution



## Power Supply Capacity

| 24 VDC power supply                | Maximum meters (feet) / LED strips |                                 |
|------------------------------------|------------------------------------|---------------------------------|
|                                    | Long                               | Short                           |
| 100 W Power Supply                 | 2.7 m (8.9 ft) / 18 strips         | 8.4 m (27.6 ft) / 56 strips     |
| 300 W Power Supply                 | 3 x 2.7 m (8.9 ft) / 18 strips     | 3 x 8.4 m (27.6 ft) / 56 strips |
| Power used per meter/foot in Watts | 32 W / 9.7 W                       | 10.7 W / 3.3 W                  |



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Specifications subject to change without notice.

