# US LED
## Always the Right Choice!

# LINEARSTAR®

## Outdoor LED Sign Lighting & Wall Washer



## Product Performance Summary

| Lumen Output | Up to 1,507 lumens (Per Section) |
| --- | --- |
| Efficacy | Up to 92 LPW (Per Section) |
| CRI | ≥ 80 CRI |
| Available CCT | 5000K |
| Warranty | Five-Year Warranty |

## Product Overview

Adding another chapter in US LED's history of engineering design, LinearStar® outdoor LED sign accent lighting is the embodiment of elegance and efficiency. More than just a light, its minimalist presence seamlessly integrates into the overall architecture and utilizes proprietary refractive optics to project the maximum amount of lighting possible in a close proximity. LinearStar is available in 1 ft. and 4 ft. sections to provide installation flexibility for any application.

LinearStar outdoor sign accent lighting will allow potential customers to find you more easily and create a dynamic first impression. Its durable construction is designed to withstand outdoor elements all while showing your brand in the best light possible. With your choice of lengths and adjustable swivel head, you can transform your exteriors with the perfect amount of illumination.

## Key Features

- Scaled to illuminate any length of flat or embossed surfaces with 1 ft. or 4 ft. sections.
- Individual units can be serviced or replaced without disturbing adjacent mounted sections.
- Optics allow close proximity placement to the targeted walls and signage.
- Adjustable swivel head for precise control.
- Full cutoff operation with 18°, 22°, and 27° preset angles.

## Construction

- Robust die-cast aluminum housing protects integral components from harsh environments and optimizes thermal management.
- Housing is protected by a corrosion-resistant, black or silver powder coat finish.
- Individual units available in 1 ft. or 4 ft. sections and can be combined for longer surfaces. Single 4 ft. section is available with end caps.
- Net Weight: 1 ft. (0.3 lbs.), 4 ft. (1.2 lbs.)

## Product Applications

- Exterior Signage
- Accent Lighting
- Wall Wash Lighting
- Retail/Mall Exteriors
- Hospitality Exteriors
- Restaurant Exteriors

## Electrical

- 120-277V input. 0-10V dimming standard.
- System power factor >90% and THD <20%.
- Operating temperature: -40°C to 45°C (-40°F to 113°F)
- External driver, enclosure box, and outdoor-rated cable accessories are required for operation (sold separately).

## Optics

- Proprietary refractive optics to project light evenly along the wall or signage.
- Industry-leading LEDs with 5000K CCT (minimum 80 CRI).
- Lumen Maintenance: 163,000 hours (L70) [1]

## Product Certifications

- UL Recognized (E324062)
- Suitable for Wet Locations
- RoHS Compliant

## Mounting

- Surface mounted with SMT1 mounting kit accessory (sold separately).
- *Mounts above targeted area facing down only (not uplight).*

## Warranty

- Backed by US LED's Five-Year Warranty.



## Ordering Information

*Note: Use The LinearStar Estimator for Assistance in Calculating All Required Project Materials: www.usled.com/linearstar-estimator*

*Example: SKT1-1-37-BK-4-50-80-S*

### LinearStar Accessories (Sold Separately)

| Part Number | Description |
| --- | --- |
| PSH1-1-A-O-W-4 [3] | 100W \| 24V \| Outdoor-Rated LED Driver With Enclosure Box |
| SMT1-1-XX-XX | Mounting Arm Kit \| Black or Silver \| 18°, 22°, or 27° Preset Angles |

**SKT1**

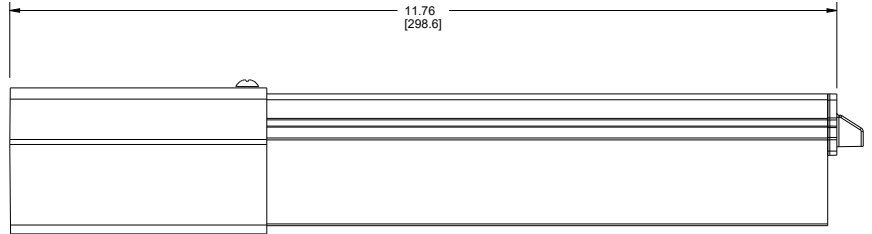| Series | Variant | Wattage | Finish | Length | CCT | CCT | Location |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 Standard | 37 3.7W (per ft.) | BK Black | 1 1 Foot | 50 5000K | 80 80 CRI Minimum | L Left | |
| | | SL Silver | 4 4 Feet | | | R Right | |
| | | | | | | C Center | |
| | | | | | | S [2] Single | |

1. US LED product 'Lifetimes' refer only to the LED light engine, not the power source, and are based on the Illuminating Engineering Society's TM21 Reported Lumen Maintenance methodology at a 25° C / 77° F ambient temperature. The lifetimes are solely meant to be a guide for expected LED degradation and not a warranty or predictive of their actual life, which can be affected by ambient temperatures and other factors.
2. Single location option **[S]** has end caps on both sides of the unit and is not available in the 1 ft. length option **[1]**.
3. Driver loading specifications: Maximum of 25 ft. per single 100W LED driver powered at one end. Maximum 50 ft. per two 100W LED drivers powered at both ends.

SKT1
010621
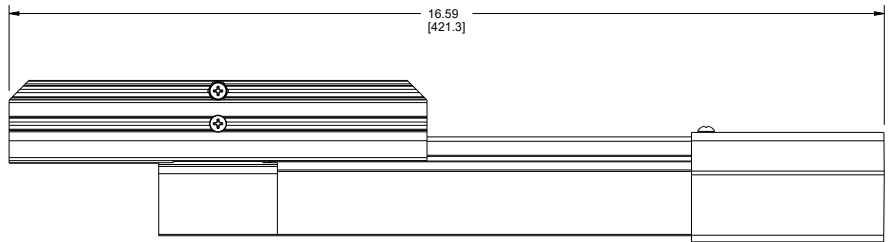
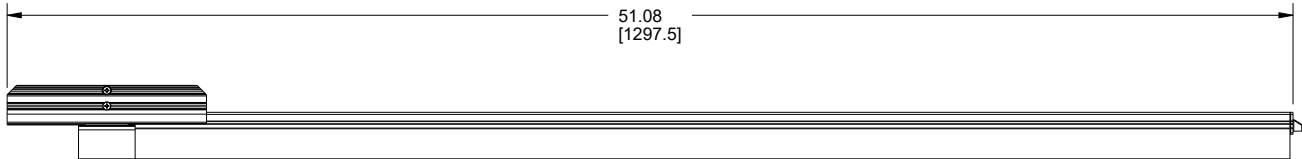www.usled.com | 866-972-9191 | customerservice@usled.com

Due to continued product improvements, product specifications are subject to change without notice. Please visit www.usled.com for the most updated product specifications.

1

## Dimensions

### Right End Unit (1 ft.)
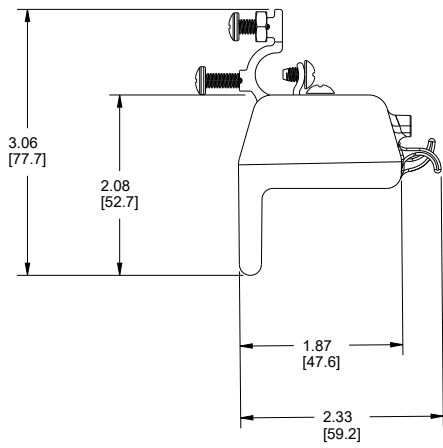
3.06
[77.7]

2.08
[52.7]

1.87
[47.6]

2.33
[59.2]

### Left End Unit (1 ft.)

11.76
[298.6]

### Right End Unit (1 ft.)

16.59
[421.3]

### Center Unit (4 ft.)

51.08
[1297.5]

### Left End Unit (4 ft.)

47.74
[1212.6]

### Right End Unit (4 ft.)

52.58
[1335.6]

41.00
[1041.4]

### Single Unit (4 ft.)

49.249
[1250.92]

34.000
[863.60]

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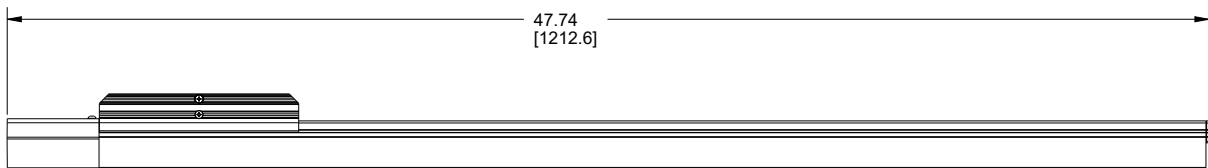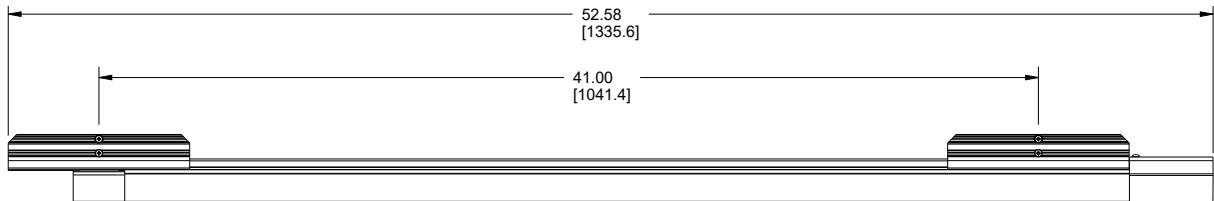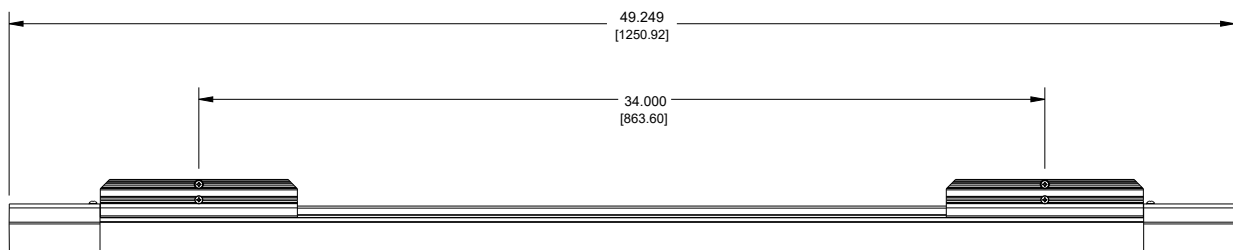
## Performance Data

| Length | CCT | System Level Power | Delivered Lumens | Efficacy | CRI | L70 Calculate Life | L85 Calculate Life |
|--------|-----|--------------------|------------------|----------|-----|--------------------|--------------------|
| **1 FT. Unit** | 5000K | 3.7W | 340 | 92 LPW | ≥ 80 CRI | 163,000 Hours | 82,000 Hours |
| **4 FT. Unit** | 5000K | 16.4W | 1,507 | 92 LPW | ≥ 80 CRI | 163,000 Hours | 82,000 Hours |

## Accessories

### SMT1-1-XX-XX  LinearStar Mounting Arm Kit

| SMT1 | | | |
|------|------|------|------|
| **Series** | **Variant** | **Finish** | **Preset Angle** |

| **1** | Standard | **BK** | Black | **18** | 18° |
|--------|----------|--------|-------|--------|-----|
| | | **SL** | Silver | **22** | 22° |
| | | | | **27** | 27° |
| | | | | **V** | Variable |
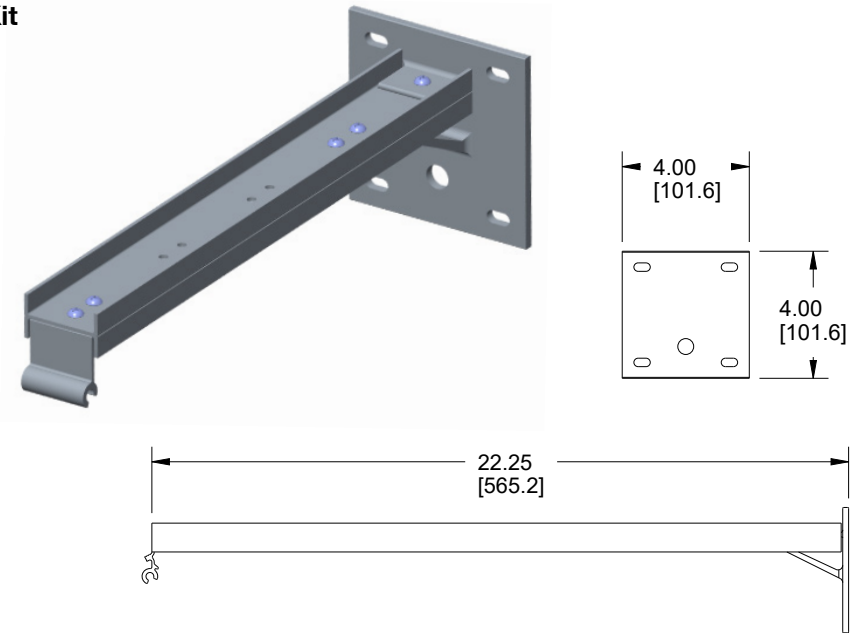
#### Key Features

- Available in black or silver finish to match LinearStar.
- 18°, 22°, 27° or variable preset angles.

4.00 [101.6]

4.00 [101.6]

22.25 [565.2]

### PSH1-1-A-O-W-4  24V/100W LED Driver With Enclosure Box

#### Key Features

- PSH1 houses Class 2 outdoor-rated LED driver.
- Suitable for wet locations.

#### Specifications

- Outdoor-rated aluminum cover.
- Dimensions: 15" x 3" x 3"
- Net Weight: 2.9 lbs.

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