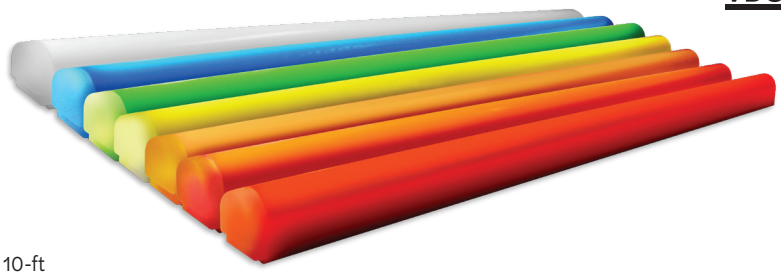
# LEDSTRIPE 24V

*Large-profile LED tubing*

24 VDC



## Specifications

**Dimensions** ..... Width .....1.00"
Height.....1.68"
Lengths.....1-ft*; 2-ft; 4-ft; 6-ft; 8-ft; 10-ft

**Factory bends** ..... 12" radius (radial and flat bend)

**In-field bends**..... Radial bend .....14 ft
Flat bend .....19 ft

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

**Protection class** ..... IP66

**Binning** ..... MacAdam Ellipse 3-Step†

**Power per foot**..... 1.5 W (except 1-ft piece at 3.0 W on average)

**Power capacity**..... 60 ft per 100 W 24 VDC power supply

**Colors**..... Red, Orange, Amber, True Yellow, Green, Blue, White (6500 K), Lemon Yellow

| Color | Lumens per ft |
|---|---|
| Red | 21.94 |
| Orange | 5.95 |
| Amber | 9.84 |
| True Yellow | 84.00 |
| Green | 19.92 |
| Blue | 9.60 |
| White (6500 K) | 118.08 |
| Lemon Yellow | 86.40 |

| Item description | Approx. cut increments | Actual length |
|---|---|---|
| 1-ft Tube* | 1" | 13.0" |
| 2-ft Tube | 3" | 25.0" |
| 4-ft Tube | | 49.0" |
| 6-ft Tube | | 73.5" |
| 8-ft Tube | | 97.5" |
| 10-ft Tube | | 121.5" |

## Unlit product color chart

| | | | |
|---|---|---|---|
| Red **PANTONE 1797 C** | Orange **PANTONE 1665 C** | Amber **PANTONE 2012 C** | True Yellow **PANTONE 7405 C** |
| Green **PANTONE 355 C** | Blue **PANTONE 2935 C** | Lemon Yellow **PANTONE 138 C** | |

* U.S. and Canada only.
† White (701189E-W-X), True Yellow (701189-YT-X), and Lemon Yellow (701189E-WY-X) only.

LEDStripe 24V 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

## Ordering information‡

| Color | Part number | Color | Part number |
|---|---|---|---|
| Red | 701189-**X**H | Green | 701189D-G-**X** |
| Orange | 701189-A-**X**D | Blue | 701189A-B-**X**D |
| Amber | 701189-Y-**X**D | White | 701189E-W-**X** |
| True Yellow | 701189-YT-**X** | Lemon Yellow§ | 701189E-WY-**X** |

‡ "**X**" in part number denotes length (1-ft*; 2-ft; 4-ft; 6-ft; 8-ft; or 10-ft).
§ Lemon Yellow illuminates lighter than its daytime color. Lemon Yellow daytime color is Amber.

## How to Order

1. Submit a layout request to **layouts@pindustries.com**.
2. Principal Sloan will generate a layout and bill of materials (BOM) for your project.
3. Contact your local distributor to quote the layout BOM.

## Power Supply Options

| 24 VDC power supply | LEDStripe 24V, all colors¶ |
|---|---|
| **60 W** | 36 ft |
| **96 W** | Two legs 30 ft each∆ |
| **3 x 96 W** | 3 x two legs 30 ft each∆ |
| **100 W** | Two legs 30 ft each∆ |
| Watts per assembly | 1.5 W per ft |

¶ 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.
∆ If more than two parallel legs are used, check output voltage and current of power supply: Current ≤ 4.0 A, Voltage ≥ 23.3 VDC.

**NOTE:** When mixing 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.

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*A Principal Industries Company*

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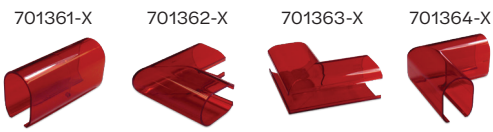
## Accessories

| Accessory | Part number | Description |
|---|---|---|
| **Joint and corner covers** | | |
|  701361-X 701362-X 701363-X 701364-X | | |
| Joint cover | 701361-X | "**X**" in part number denotes color |
| Outside corner | 701362-X | |
| Inside corner | 701363-X | |
| Step corner | 701364-X | |
| **Cables and connectors** | | |
|  701158-120 & 701158-180 701385 701160-3 701187-DC 701188-DC | | |
| Hook-up cable, 10-ft | 701158-120 | Connects LEDStripe 24V to power supply |
| Hook-up cable, 15-ft | 701158-180 | |
| Jumper kit | 701385 | For routing around field-cut sections |
| Y connector | 701160-3 | Three-way connector for joining two sections to one |
| Wiring pigtail, large connector | 701187-DC | Male, outdoor-rated connector |
| Wiring pigtail, small connector | 701188-DC | Female, outdoor-rated connector |
| **Mounting** | | |
|  400775 701156 400828-FC 701491 | | |
| Mounting button | 701156 | Circular button for standard installation |
| Mounting clip | 400775 | Square clip with flanged end |
| Acrylic end cap | 400828-FC | For adjusting product length |
| Field end cap installation kit | 701491 | Glue, PCB sealer, de-burr sandpaper, instructions |

5 YEAR Product & Labor WARRANTY

principalsloan.com
325.227.4577
3490 Venture Dr., San Angelo, TX 76905

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