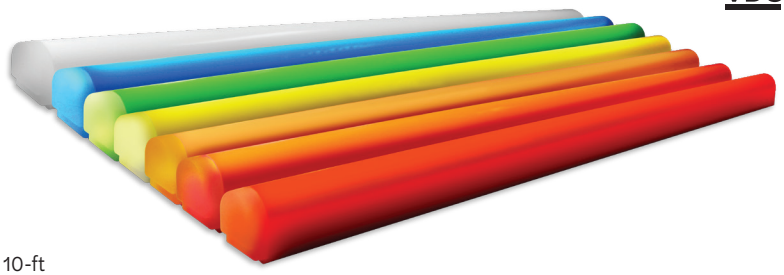
LEDSTRIPE 24V

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"

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

RoHS Compliant

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.

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**	

PRINCIPAL SLOAN
A Principal Industries Company

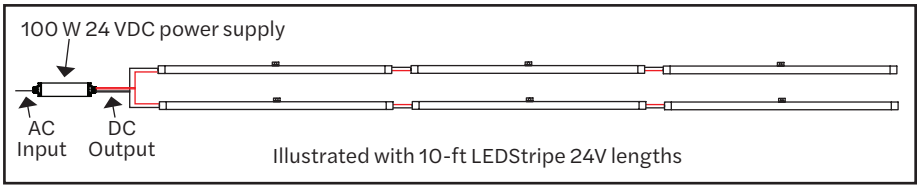
LEDSTRIPE 24V

24 VDC

Large-profile LED tubing

Power Supply Options

24 VDC power supply	LEDStripe 24V, all colors¶
60 W	36 ft
96 W	Two legs 30 ft each$^{\Delta}$
3 x 96 W	3 x two legs 30 ft each$^{\Delta}$
100 W	Two legs 30 ft each$^{\Delta}$
Watts per assembly	1.5 W per ft



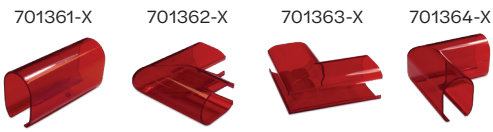
NOTE: Do not combine power supply outputs. Each 24 V circuit must be limited to power supply output rating. For North American installations, a power supply that meets NEC Class 2 specifications is required. **In addition, the LEDStripe 24V load must not exceed 60 ft on a 100 W power supply with no more than 30 ft in each of two or more parallel legs (refer to diagram).**

¶ 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.

Δ 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.

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

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

5 YEAR Product & Labor WARRANTY

PRINCIPAL SLOAN
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Specifications subject to change without notice.