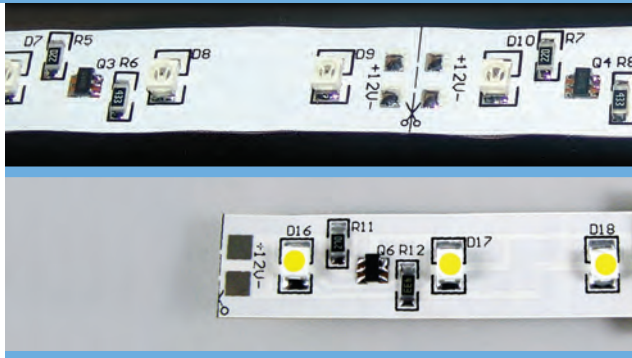
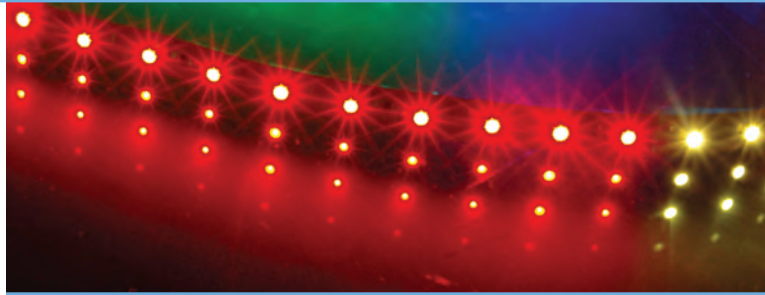
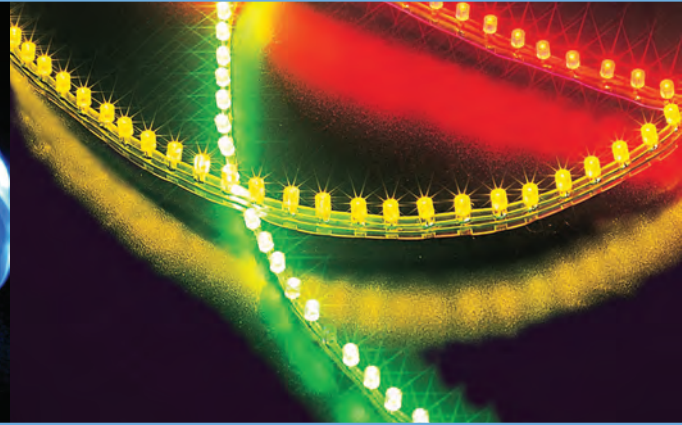
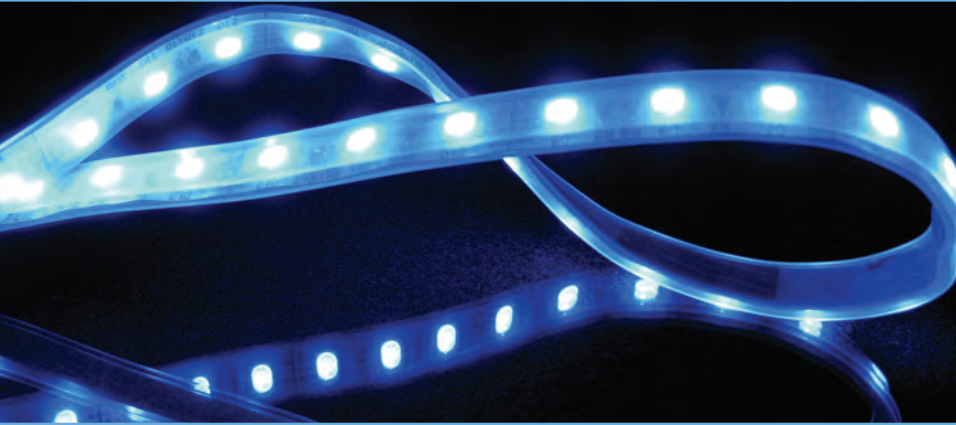


# Westflex™

## Family of Lighting Products



**Westflex:** a family of extremely flexible low voltage LED strip lights that are ETL listed, energy efficient, low heat and can be cut every 2." Ideal for Coves, Shelves, Stairs and Display Cases. These products are available in Non-Protected (NP), Indoor Protected (IP), and Weatherproof IP67 (IP).

**Westflex SMD Covemax™**

**Westflex SMD Covemax X™**

**Westflex SMD™**

**Value Series™**

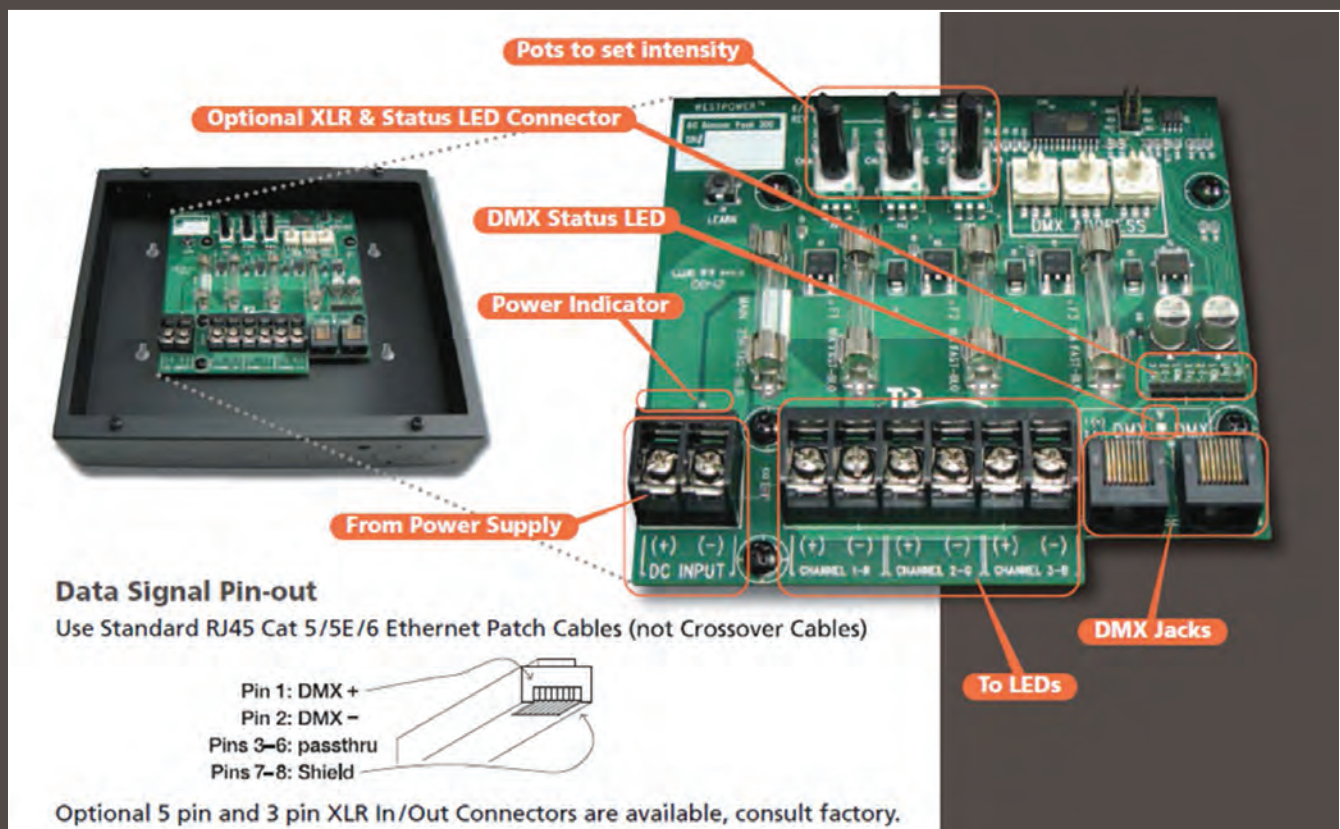
**Westflex SMD-RGB™**

**Westflex SMD Side Light™**



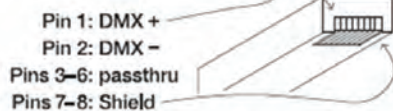
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TPR ENTERPRISES, LTD.

# TPR Westpower300™ Dimmer Pack



## Data Signal Pin-out

Use Standard RJ45 Cat 5/5E/6 Ethernet Patch Cables (not Crossover Cables)



Optional 5 pin and 3 pin XLR In/Out Connectors are available, consult factory.

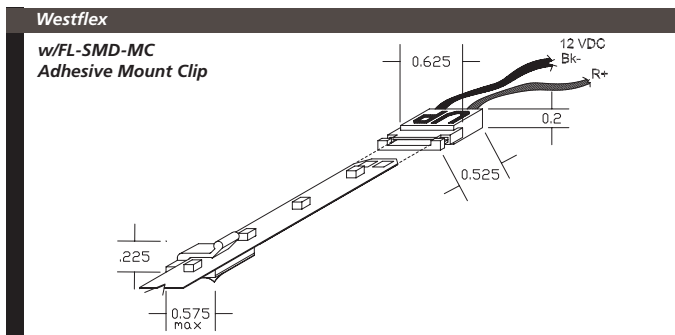
The **TPR Westpower 300 Dimmer Pack** is a DMX based device for controlling the Westflex Family of Tape Lights, and the Mirage Light Panels. Not only does it act as an RGB controller, but it also acts as a full linear dimming module. Using our patented Liquid Tungsten Dimming software it is second to none in the industry.

## Features:

- Universal 12–24VDC Self Powered Operation
- 100 Watts at 12V per channel (10A). 200 Watts at 24V per channel (10A).
- Total 300 Watts at 12V (25A). 600 Watts at 24V (25A).
- RJ45 or XLR connectors available.
- Power in and out are fused for protection.
- On Board Programs for testion.
- Address 000 allows the unit to be controlled by the potentioneters.
- 1/2" Knockouts for easy hard wiring.
- Many user/contractor friendly features.

THE WESTFLEX FAMILY – Side by Side							
Product and Color Codes	Westflex SMD Covamax WP	Westflex SMD Covamax X WP	Westflex SMD (-WP)	Value Series	Westflex SMD- RGB (-WP)	Westflex SMD Side WP	
	FL-SMD-CM <Color>-WP	FL-SMD-CMX- <Color>-WP	FL-SMD- <Color>-(-WP)	FL-12-<Color>	FL-SMD-RGB- 18 (-WP)	FL-SMD-S- <Color>-WP	
<b>COLOR CODES</b>							
<b>APPROXIMATE OUTPUT FOR 18" SEGMENT</b>							
<b>UWW</b> Ultra Warm White (2700K)	114 lm	118 lm	62 lm	62 lm	All on 75 lm	56 lm	
<b>WW</b> Warm White (3300K)	117 lm	168 lm	84 lm	84 lm		6 lm	
<b>W</b> White (4500K)	122 lm	192 lm	92 lm	92 lm		56 lm	
<b>R</b> Red			36 lm	36 lm	R: 28 lm	11 lm	
<b>G</b> Green			58 lm	28 lm	G: 55 lm	42 lm	
<b>B</b> Blue	47 lm			16 lm	16 lm	B: 17 lm	10 lm
<b>Y</b> Yellow			16 lm	16 lm			32 lm
<b>A</b> Amber					13 lm		
<b>O</b> Orange					13 lm		
Life to 70% Output	5,000 hrs	25,000 hrs	60,000 hrs	50,000 hrs	25,000 hrs	25,000 hrs	
<b>DETAILS</b>							
Cross Section	0.75" high x 0.5" wide w/conn	Standard, SMD & SMD-RGB: 0.09" high x 0.45" wide SMD-WP, Covamax & Covamax X: 0.175" high x 0.55" wide				0.36" high x 0.18" wide	
Bend Radius	1" Horiz.	1" Vertical				1" Horiz.	
Power Consumption	2 w/ft				4.3 w/ft	2 w/ft	
Beam Angle	120°						
LEDs/ft	18						
LED Type	Single Color Thru Hole Mount	Single Color Surface Mount	Single Color Nichia Surface Mount Superior Binning		Three Color Surface Mount	Single Color Surface Mount	
Mounting	3 Clips/ft supplied	Standard: self-adhesive	Covamax & -WP- Optional Clips or Mounting Track		Standard: self-adhesive	Clips	
Shortest Segment	2" (3 lamps)						
Max Length per Feed	10'						
Max Dist to End of Run (#18 awg)	35'	35'	35'	35'	20'	35'	
Shipping	16.4' Roll	20'-0" Roll or Cut to Order				Cut to Order	
Connection Method	(2) 4" Jumpers supplied w/ each section	*Connector *Factory Solder Tail *Field Solder Tail				Factory Solder Tail	
Listing & Standard	ETL Listed UL2108 (LV Lighting)						
IP67 (IEC-60529) Outdoor submersible to 1m	Not Available	Add Suffix WP for IP67	IP67		Add Suffix WP for IP67	IP67	
Operating Temp Range	-40° to 140° F						

For a Complete Ordering Code, please see White Sheet or Website.



## WESTFLEX FAMILY ACCESSORIES

### Non Protected (NP)

Westflex and Westflex SMD are ETL Listed for indoor installation. For damp or outdoor installations, use Westflex - WP.

	Value Series	Westflex SMD	Westflex SMD Covemax WP	Westflex SMD Covemax X WP	Westflex SMD - RGB WP
Self Adhesive	na	Standard			
Mounting Clip	FL-MC (3 supplied w/each section)	FL-SMD-MC			
Mounting Track (6' lengths)	na	FL-SMD-MT			
Power Cable	FL-PC (120")	FL-SMD-2PIN-C (20")			FL-SMD-4PIN-C (20")
Jumper Cable	FL-JC-(specify length 4, 8, 12, 24, 48") (2-FL-JC4 standard with each section)	FL-SMD-2PIN-J (2")			FL-SMD-4PIN-J (2")
Factory Solder Leads	Specify length				
Shipping Length	20' roll or cut to order				
Max Length per Feed	10' maximum length per feed				
Shortest field cut	2" (3 lamps)				

### Weatherproof (WP) IP67

Westflex - WP: all Westflex WP versions are ETL listed for IP67 outdoor installation (submersible up to 1 meter) The full IP67 outdoor and submersible rating is only available with factory leads and seals.

	Westflex SMD-WP	Westflex SMD Covemax WP	Westflex SMD Covemax X WP	Westflex SMD- RGB-WP	Westflex SMD Side Light WP
Mounting Clip 3/ft recommended	FL-SMD-WP-MC-IP (Screw Mount)				SL-SMD-S-WP-MC
Mounting Track (6' lengths)	FL-SMD-MT				na
Factory Solder Leads	Specify length - factory solder lead required for full IP67.				
Max Length per Feed	10' maximum length per feed				
Cut Length	Specify illuminated length in 2" increments. Must be cut and sealed in factory for full IP67.				

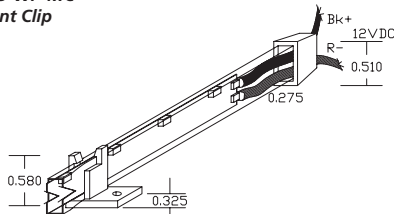
### Indoor Protected (IP)

Westflex - WP products retain ETL listing for indoor installation when cut and soldered in the field. This can offer significant splash protection in indoor areas like Backbars, Kitchen Cabinets and Baths. Please use only factory cut and sealed IP67 rated products outdoors and in damp, wet or submerged locations.

	Westflex SMD-WP	Westflex SMD Covemax WP	Westflex SMD Covemax X WP	Westflex SMD- RGB-WP	Westflex SMD Side Light WP
Mounting Clip 3/ft recommended	FL-SMD-WP-MC (Adhesive Mount) or FL-SMD-WP-MC-IP (Screw Mount)				FL-SMD-S-WP-MC
Mounting Track (6' lengths)	FL-SMD-MT				Mounting Track & Cables are not available for SMD-S
Power Cable	FL-SMD-2PIN-C (20")		FL-SMD-4PIN-C (20")		
Jumper Cable	FL-SMD-2PIN-J (2")		FL-SMD-4PIN-J (2")		
Factory Solder Leads	Specify length				
Shipping Length	20' roll or cut to order				
Max Length per Feed	10' maximum length per feed				
Shortest Field Cut	2" (3 lamps)				
End Cap	FL-SMD-WP-EC				FL-SMD-S-WP-EC
Sealant (1 oz.)	FL-SMD-WP-S				

#### Westflex SMD-S

w/FL-SMD-S-WP-MC  
Screw Mount Clip

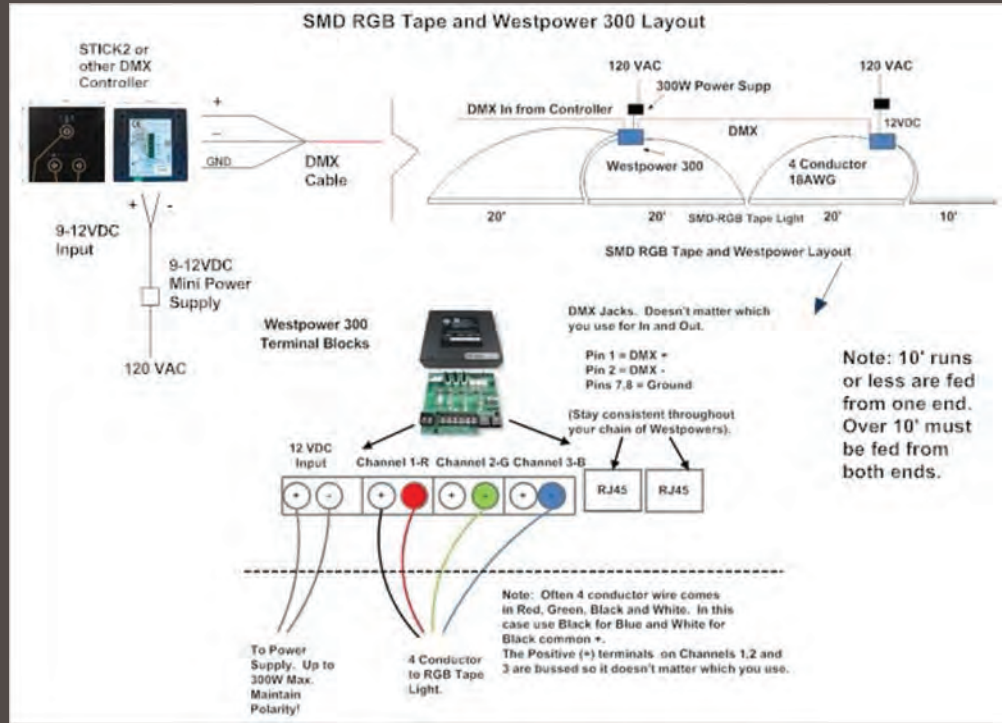




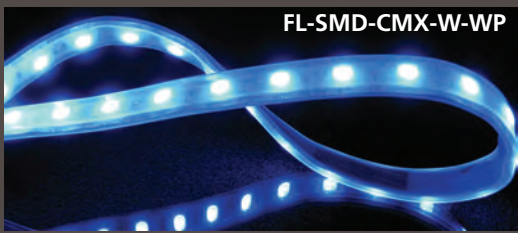
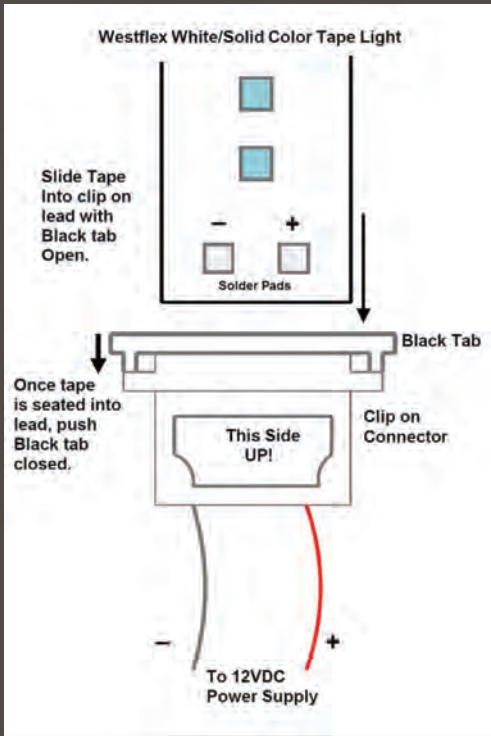
# Notes on Wiring Westflex Products



**Figure 1:** Westflex SMD-RGB with Controls and Power Supplies.



The **Westflex SMD RGB** is part of a fully programmable system. The main components are the Programmable Wall Pad, the Westpower300, the Power Supply, and the RGB Tape Light. This diagram illustrates how to wire the system. A DMX signal cable comes from the Controller to the Westpower300. The Westpower300 requires a 12VDC Power Supply that is located usually in close proximity to the Westpower300. The feeds from the RGB fixtures connect to their respective terminals. There are RJ45 receptacles for DMX in and out, allowing multiple Wespowers to be added for a Daisy Chain configuration.

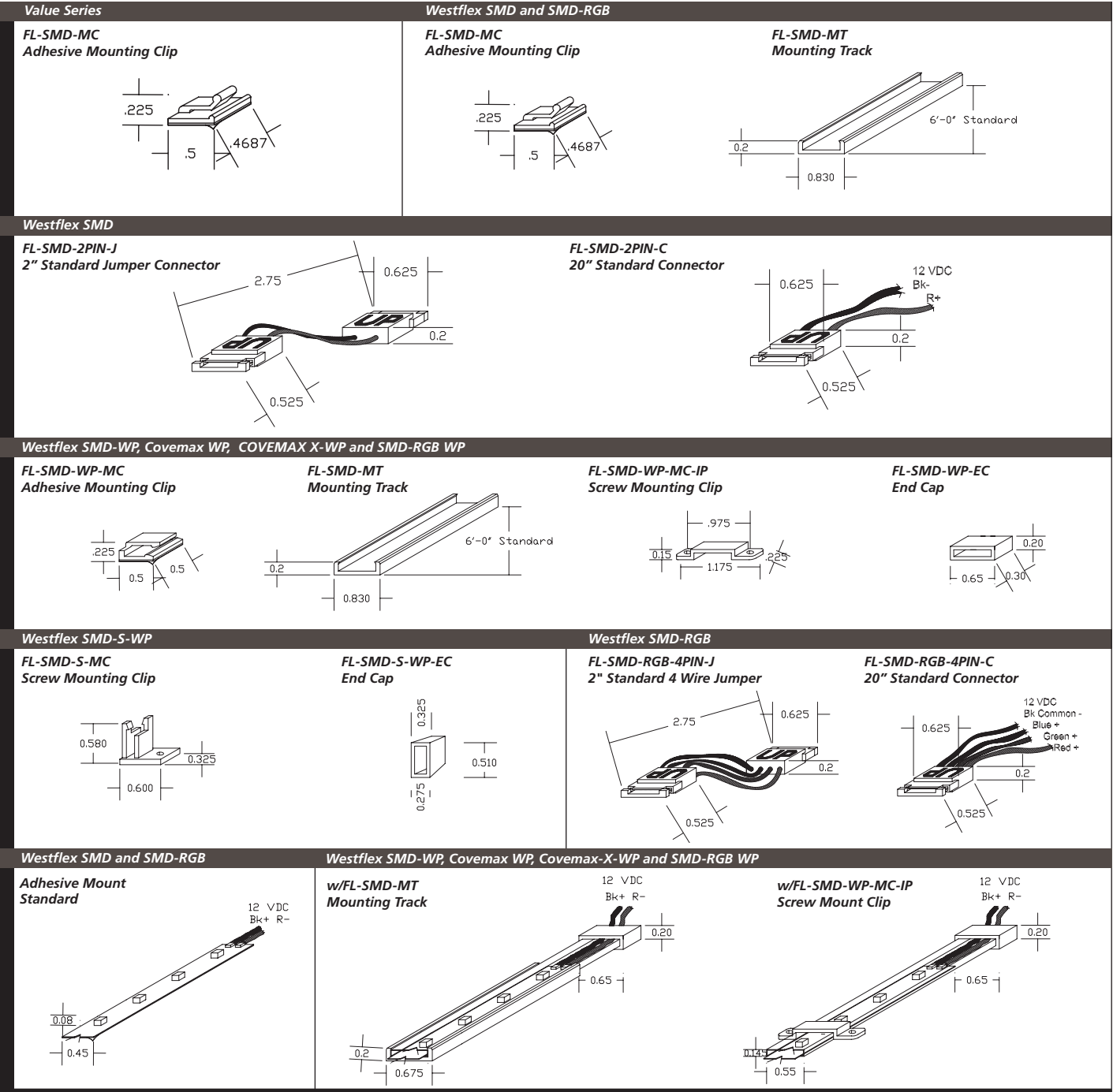


The Westflex SMD, Covemax and Covemax X are 12VDC products. They can be cut to length and provided power via either a pre-soldered lead or a clip-on connector (shown in Fig. 2). **It is imperative that you maintain polarity with this product.** The solder pads have + and - on the board for reference. This group of product consumes 2W/ft so all you have to do is pick the appropriate Power Supply.

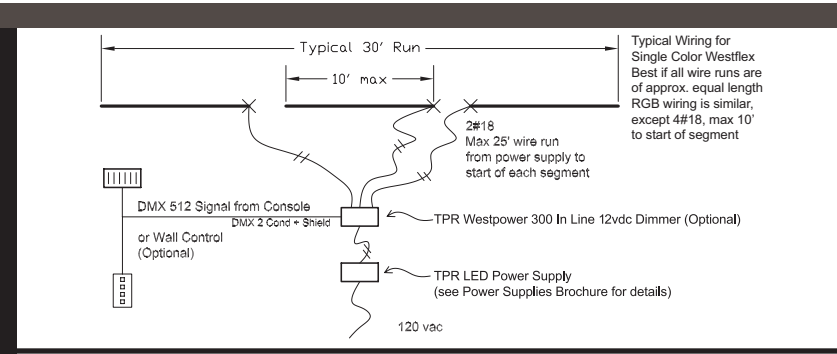
**Figure 2:** The Westflex SMD, and Covemax X typical clip-on lead showing Polarity.

**WESTFLEX FAMILY ACCESSORIES DIAGRAMS**

**Westflex™ Family of Lighting Products**



**TYPICAL WIRING DETAILS**



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