

# Slots & Dots - TSD Track

48V Low Voltage Track, Deep Profile, Pendant/Surface



PROJECT:

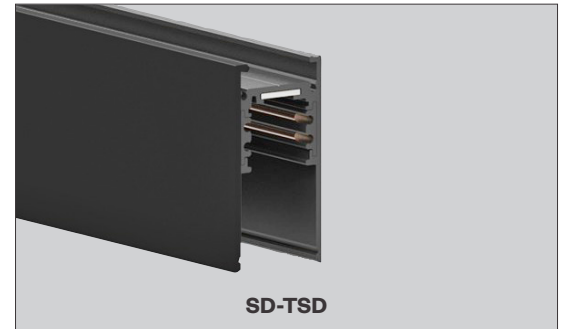
TYPE:

## Features

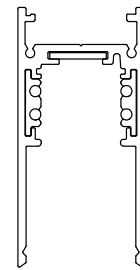
Slots & Dots, a 48V Track lighting system, connects all the dots for architects and lighting designers: color, comfort, controls and configurability. Slots & Dots is an easily configurable low voltage track lighting system that creates visual ambience for hospitality, residential, commercial and retail environments. Featuring surface, recessed or pendant mounting options, with easy light module in linear and accent that can be easily snapped in and out as needed. Slots are made up of linear modules to create visual interest, wall grazing and glare free accent. Dots deliver focused beams of light from either an accent pendant or surface mounted accent that bring items into focus.

## Product Overview

Type: 48V Low Voltage Deep Profile Pendant/Surface Track  
Circuit(s)/Amps: 1 circuit + Data Bus:  $\pm 15A/0-38V + D+/D-$   
Voltage: 48V  
Weight (lbs): 2.9 (4'), 5.8 (8')



SD-TSD



## Certifications



## Specifications

### Application

48V power supply for Amerlux® Slots & Dots track lighting modules, 18AWG, 15 Amp.

### Construction

Architectural grade, extruded aluminum housing.  
Milled grounding bar provides continuous ground contact.  
Continuously crimped conductor ensures mechanical strength and electrical reliability.

### Finish

Black or White.

### Mounting

Surface or pendant mounted.  
Max "on center" suspension points, see page 5.

### Certifications

cUL listed for dry locations only.

**NOTE: For use with Amerlux Slots & Dots Linear (SLOTS) and Accent (DOTS) light modules.**

**See separate spec sheets for ordering light modules: [SLOTS spec](#); [DOTS spec](#)**

# Slots & Dots - TSD Track

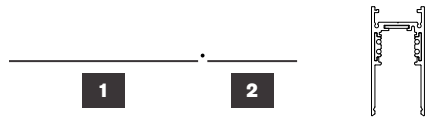
48V Low Voltage Track, Deep Profile, Pendant/Surface




PROJECT:

TYPE:


## Track Ordering Information

1	Model	2	Finish
			
1	<b>Model</b> <b>SD-TSD-4</b> pendant/surface deep profile track, 48" <b>SD-TSD-8</b> pendant/surface deep profile track, 96" <i>Note: All tracks are field cuttable. SD-TOOL is required for cutting track conductors (ordered separately, see Accessories below)</i>	2	<b>Finish</b> <b>B</b> black <b>W</b> white

## Component Ordering Information (ordered separately)

1	Model	2	Finish
			
1	<b>Model</b> <b>End Cap</b> (1 required for each end of track run) <b>SD-EC-TD</b> end cap <b>SD-EC-F-TD</b> end cap with feed hole  <b>Connectors</b> (required to make electrical connection between tracks) <b>SD-CNS-POL</b> middle connector, polarized, straight <b>SD-CNS-M</b> middle connector, mechanical, non-electrical <b>SD-LF-I</b> L connector, same plane, polarized, internal <b>SD-LF-E</b> L connector, same plane, polarized, external <b>SD-XF-POL*</b> flex connector, wall to ceiling, polarized <b>SD-T-I-R</b> T connector, polarized, internal right <b>SD-T-I-L</b> T connector, polarized, internal left <b>SD-T-E-R</b> T connector, polarized, external right <b>SD-T-E-L</b> T connector, polarized, external left <b>SD-X</b> X connector, polarized <i>* Can be used as in-plane with variable angle.</i>  <b>Mechanical Joints</b> <b>SD-90D-S</b> L joint, mechanical <b>SD-90D-CG-S</b> L joint with cable gripper, mechanical <b>SD-TD</b> T joint, mechanical <b>SD-TD-CG</b> T joint with cable gripper, mechanical <b>SD-XD</b> X joint, mechanical <b>SD-XD-CG</b> X joint with cable gripper, mechanical  <b>End Feed</b> (1 live feed required for feed end of track) <b>SD-SF-L-POL</b> end feed, polarized, left, straight <b>SD-SF-R-POL</b> end feed, polarized, right, straight	<b>Mounting Kits</b> <b>Pendant Mount:</b> <b>Power Feed Canopy Kit</b> (1 kit for feed end of track, includes 10' mounting cable w/gripper) <b>SD-FCAN-S</b> canopy/feed kit with bracket  <b>Non-Power Feed Canopy Kits/Aircraft Cable</b> (1 kit for every 36" of track, 55 lbs max load) <b>SD-CAN-L</b> canopy kit with sliding suspension bracket <b>636-0264</b> canopy kit, black (when suspending to L, T, X Connector with cable gripper) <b>636-0268</b> canopy kit, white (when suspending to L, T, X Connector with cable gripper) <b>SD-CABLE</b> 10' mounting cable with gripper & sliding suspension bracket <b>614-0004</b> aircraft cable (with eyehook) only, 10' <i>See Mounting example on page 13.</i>  <b>Surface Mount:</b> <b>T-Bar Clip Kit</b> <b>SD-916TKIT</b> 9/16 T-Bar clip kit <b>SD-1516TKIT</b> 15/16 T-Bar clip kit  <b>Accessories</b> <b>SD-4BLANK</b> 48" blank to cover track without light module <b>SD-8BLANK</b> 96" blank to cover track without light module <b>SD-TOOL*</b> cutting tool for track conductors <i>* Finish not required</i> <b>Note: All Blank sections are field cuttable.</b>	<b>Finish</b> <b>B</b> black <b>W</b> white

## Transformer Ordering Information (ordered separately)

1	Model
	
1	<b>Model</b> (Connect with 18AWG wire, plenum rated cable supplied, 30' max distance fixture to transformer, 120/277V input, 48V DC output) <b>TR-48V100W</b> 100W, 48V transformer with enclosure*, capable of providing 80W of power <b>TR-48V260W</b> 260W, 48V transformer with enclosure*, capable of providing 208W of power <b>TR-48V320W</b> 320W, 48V transformer with enclosure*, capable of providing 256W of power <i>* Enclosure size: 15 1/16" x 4 5/16" x 2 3/16"</i> <i>Note: Ensure that the transformer does not exceed 80% of the total wattage in order to maintain its optimal performance.</i> <i>See pg 6 for voltage drop &amp; max track length information.</i>

# Slots & Dots - TSD Track

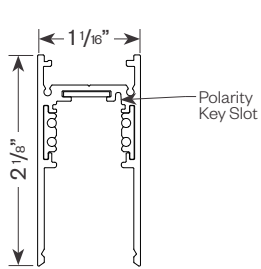
48V Low Voltage Track, Deep Profile, Pendant/Surface



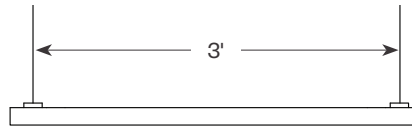
PROJECT:

TYPE:

## Product Details - Track

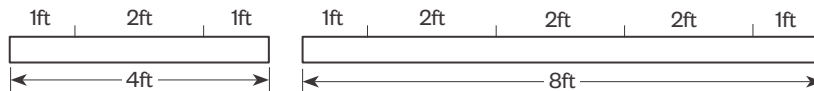


SD-TSD



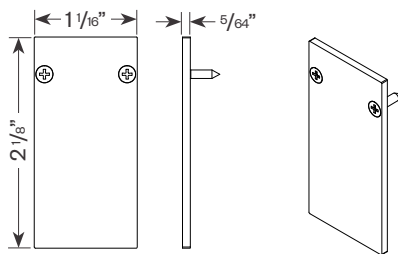
Max Load: 55 lbs

**SURFACE MOUNT DETAILS** Mount holes 1' from ends and then every 2'.



## Component Details

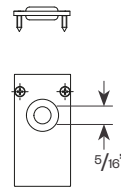
### End Caps



SD-EC-TD

*(Required on each end of a track run)*

### with Feed Hole

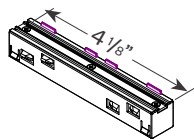


SD-EC-F-TD

*(Required when feeding track from the side)*

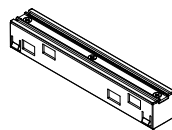
### Connectors

#### Middle Straight Connector



SD-CNS-POL

Polarized

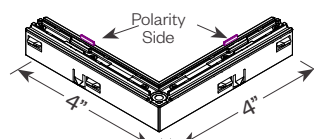


SD-CNS-M

Mechanical  
(non-electrical)

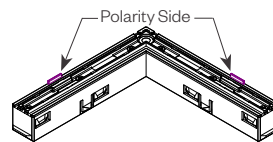
*(Used to create dead ends in  
between two sections of track)*

#### L Connector



SD-LF-I

Internal Polarity

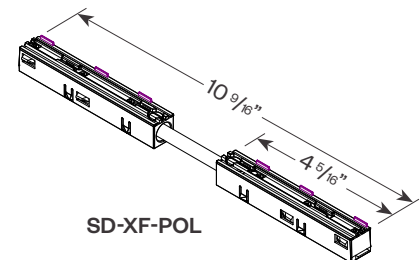


SD-LF-E

External Polarity

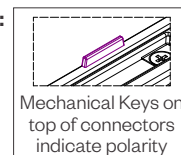
#### Flex Connector

*(Used for electrical connections for all corners)*



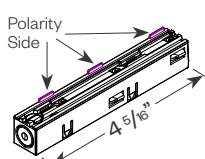
SD-XF-POL

Note:



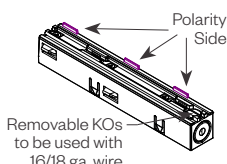
Mechanical Keys on  
top of connectors  
indicate polarity

### End Feed



SD-SF-L-POL

Left Polarity



SD-SF-R-POL

Right Polarity



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Amerlux reserves the right to change details that do not affect overall function and performance.  
LIT-2403 • 07/14/25 • Page 3 of 6

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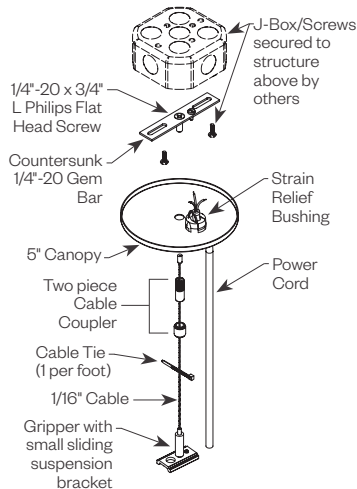


PROJECT:

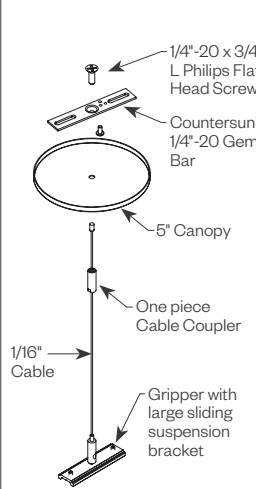
TYPE:

## Component Details *(continued)*

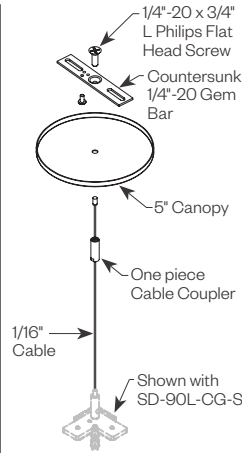
### Mounting Kits - Pendant Mount



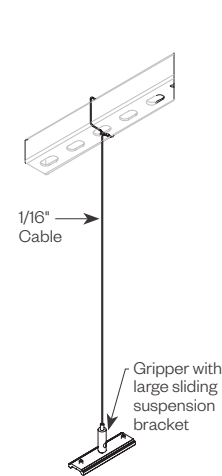
**Power Feed**  
*(with sliding suspension bracket)*  
**SD-FCAN-S**



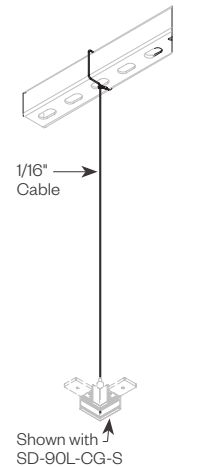
**Non-Power Feed**  
*(with sliding suspension bracket)*  
**SD-CAN-L**



**Non-Power Feed**  
*(when suspending to L, T, X Connector with cable gripper)*  
**636-0264 (black)**  
**636-0268 (white)**

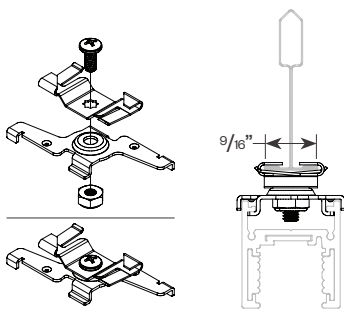


**Wrap Around**  
*(with sliding suspension bracket)*  
**SD-CABLE**

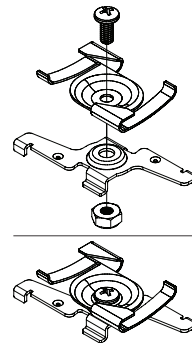


**Wrap Around Aircraft Cable only**  
*(when suspending to L, T, X Connector with cable gripper)*  
**614-0004**

### Mounting Kits - Surface Mount



**9/16 T-Bar Clip**  
**SD-916TKIT-B (black)**  
**SD-916TKIT-W (white)**



**15/16 T-Bar Clip**  
**SD-1516TKIT-B (black)**  
**SD-1516TKIT-W (white)**



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PROJECT:

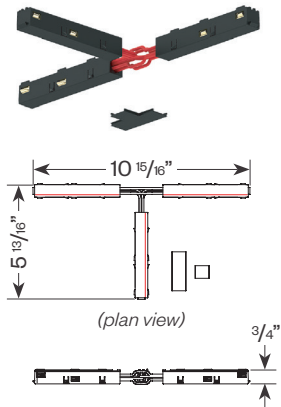
TYPE:

## Component Details *(continued)*

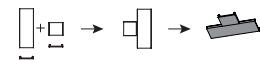
### Polarized Feeds

#### Polarized T Feed (Internal Right)

SD-T-I-R

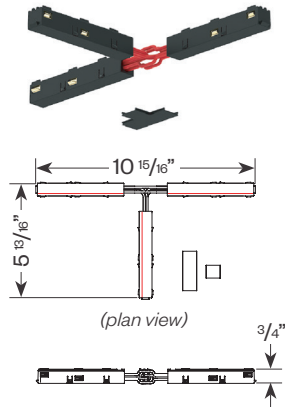


Covers (x2) included

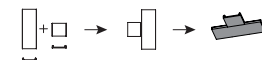


#### Polarized T Feed (Internal Left)

SD-T-I-L

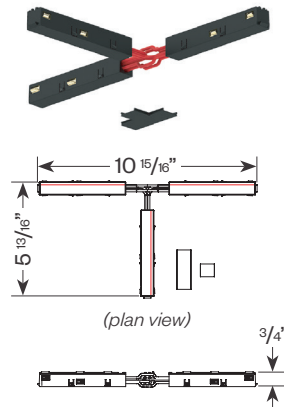


Covers (x2) included



#### Polarized T Feed (External Right)

SD-T-I-E

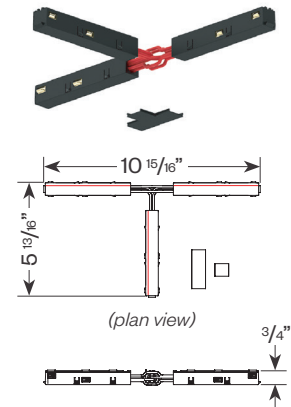


Covers (x2) included

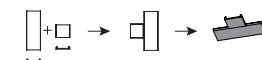


#### Polarized T Feed (External Left)

SD-T-E-L

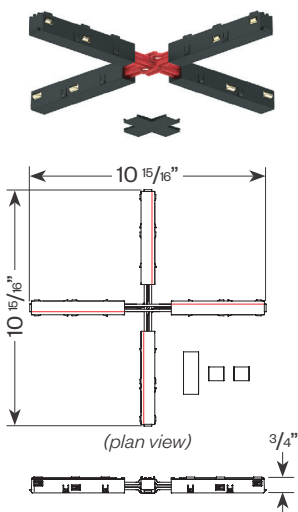


Covers (x2) included

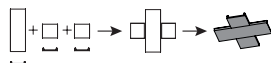


#### Polarized X Feed

SD-X



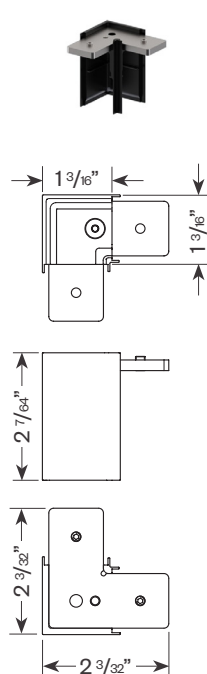
Covers (x3) included



### Mechanical Joints

#### L - Joint

SD-90D-S

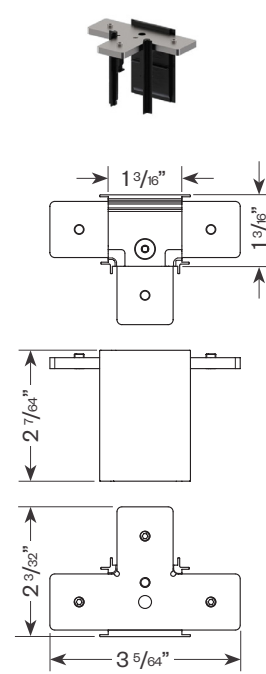


With Aircraft Cable Gripper attached:

SD-90D-CG-S

#### T - Joint

SD-TD

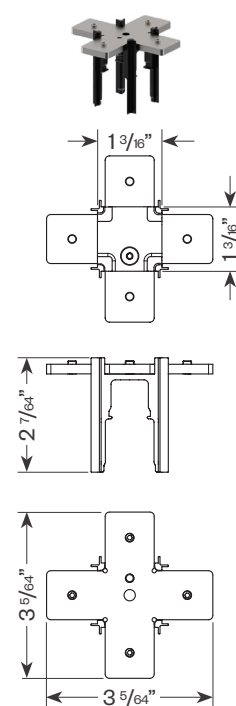


With Aircraft Cable Gripper attached:

SD-TD-CG-S

#### X - Joint

SD-XD



With Aircraft Cable Gripper attached:

SD-XD-CG-S



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# Slots & Dots - TSD Track

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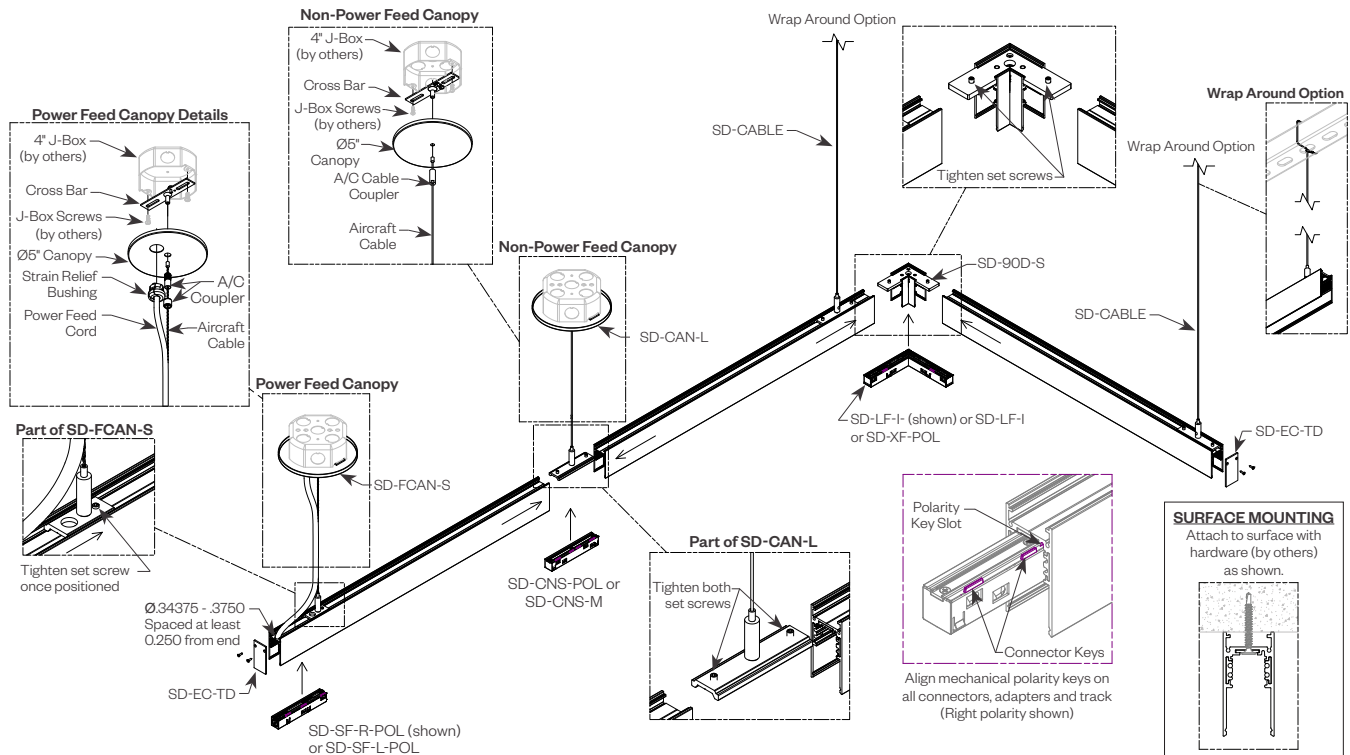


PROJECT:

TYPE:

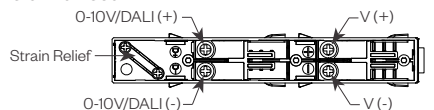
### SD-TSD Track Breakdown

- NOTES:** 1. Junction Box not included for canopy mounting  
2. 48V Transformer is remote mounted no further than 30'. Wires from transformer to J-Box are to be 16 ga.

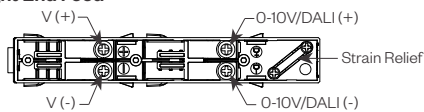


### End Feed Wiring

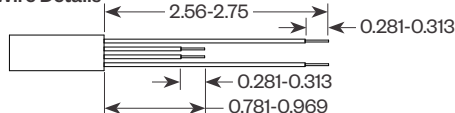
#### Left End Feed



#### Right End Feed

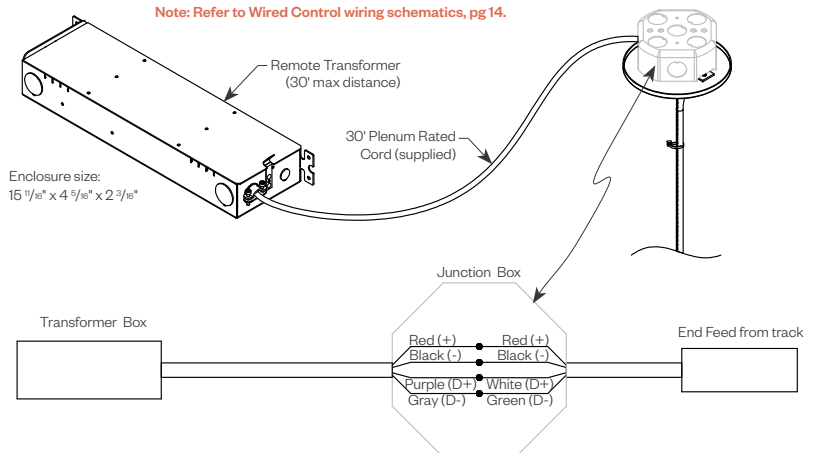


#### Wire Details



### Pendant Wiring

Note: Refer to Wired Control wiring schematics, pg 14.



### Voltage Drop

Power Supply (W)	Max. Track Length (ft)
100W	750
260W	200
320W	150

Maximum allowed track length for a 30' plenum rated cable supplied by Amerlux according to the selected wattages.

Voltage drop approximately 12.5%, 6V

**Note: Ensure that the transformer does not exceed 80% of the total wattage in order to maintain its optimal performance.**