

Slots & Dots - TSL Track

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



PROJECT:

TYPE:

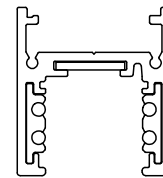
Features

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 Low Profile Pendant/Surface Track
Circuit(s)/Amps: 1 circuit + Data Bus: $\pm 15A/0-38V + D+/D-$
Voltage: 48V
Weight (lbs): 2.2 (4'), 4.4 (8')



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](#)

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Track Ordering Information

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

Component Ordering Information (ordered separately)

1	Model	2	Finish
	End Cap (1 required for each end of track run) SD-EC-TSL end cap SD-EC-F-TSL end cap with feed hole <u>Connectors</u> (required to make electrical connection between tracks) SD-CNS-POL middle connector, polarized, straight SD-CNS-M middle connector, mechanical, non-electrical SD-LF-I L connector, same plane, polarized, internal SD-LF-E L connector, same plane, polarized, external SD-XF-POL* flex connector, wall to ceiling, polarized SD-T-I-R T connector, polarized, internal right SD-T-I-L T connector, polarized, internal left SD-T-E-R T connector, polarized, external right SD-T-E-L T connector, polarized, external left SD-X X connector, polarized <i>* Can be used as in-plane with variable angle.</i> <u>Mechanical Joints</u> SD-90L-S L joint, mechanical SD-90L-CG-S L joint with cable gripper, mechanical SD-TL T joint, mechanical SD-TL-CG T joint with cable gripper, mechanical SD-XL X joint, mechanical SD-XL-CG X joint with cable gripper, mechanical <u>End Feed</u> (1 live feed required for feed end of track) SD-SF-L-POL end feed, polarized, left, straight SD-SF-R-POL end feed, polarized, right, straight	<u>Mounting Kits</u> <u>Pendant Mount:</u> Power Feed Canopy Kit (1 kit for feed end of track, includes 10' mounting cable w/gripper) SD-FCAN-S canopy/feed kit with bracket <u>Non-Power Feed Canopy Kits/Aircraft Cable</u> (1 kit for every 36" of track, 55 lbs max load) SD-CAN-L canopy kit with sliding suspension bracket 636-0264 canopy kit, black (when suspending to L, T, X Connector with cable gripper) 636-0268 canopy kit, white (when suspending to L, T, X Connector with cable gripper) SD-CABLE 10' mounting cable with gripper & sliding suspension bracket 614-0004 aircraft cable (with eyehook) only, 10' <i>See Mounting example on page 6.</i> <u>Surface Mount:</u> <u>T-Bar Clip Kit</u> SD-916TKIT 9/16 T-Bar clip kit SD-1516TKIT 15/16 T-Bar clip kit <u>Accessories</u> SD-4BLANK-L 48" blank to cover track without light module SD-8BLANK-L 96" blank to cover track without light module SD-TOOL* cutting tool for track conductors <i>* Finish not required</i> Note: All Blank sections are field cuttable.	B black W white

Transformer Ordering Information (ordered separately)

1	Model
	(Connect with 18AWG wire, plenum rated cable supplied, 30' max distance fixture to transformer, 120/277V input, 48V DC output) TR-48V100W 100W, 48V transformer with enclosure*, capable of providing 80W of power TR-48V260W 260W, 48V transformer with enclosure*, capable of providing 208W of power TR-48V320W 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 & max track length information.</i>

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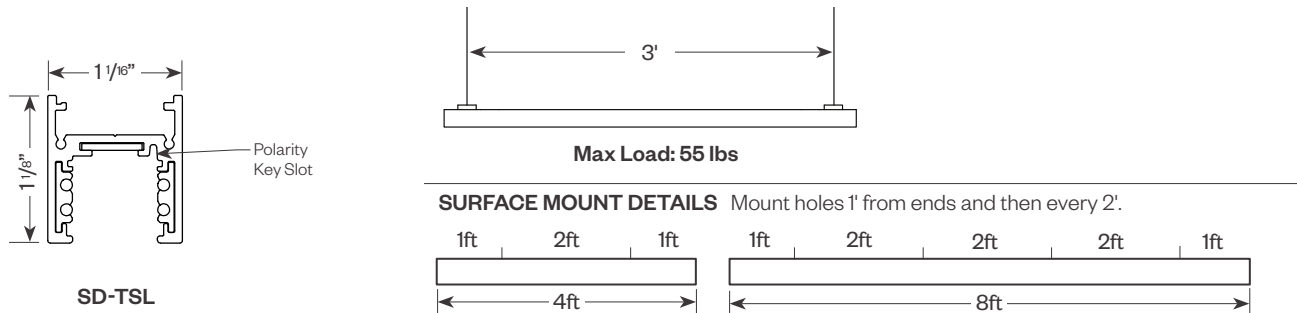
48V Low Voltage Track, Low Profile, Pendant/Surface



PROJECT:

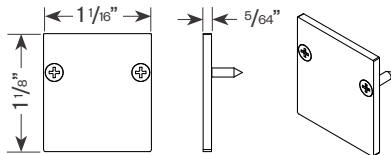
TYPE:

Product Details - Track



Component Details

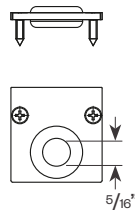
End Caps



SD-EC-TSL

(Required on each end of a track run)

with Feed Hole

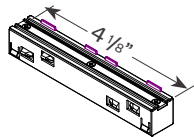


SD-EC-F-TSL

(Required when feeding track from the side)

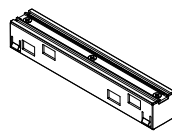
Connectors

Middle Straight Connector



SD-CNS-POL

Polarized

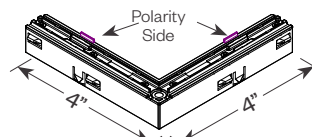


SD-CNS-M

Mechanical
(non-electrical)

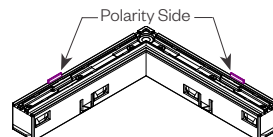
(Used to create dead ends in between two sections of track)

L Connector



SD-LF-I

Internal Polarity

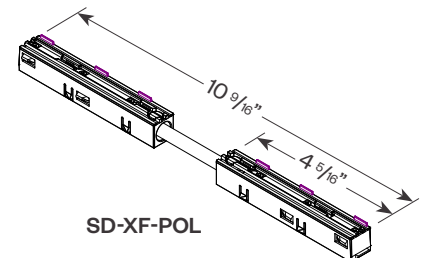


SD-LF-E

External Polarity

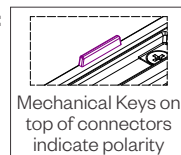
Flex Connector

(Used for electrical connections for all corners)

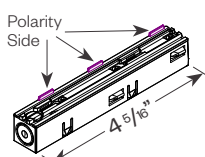


SD-XF-POL

Note:

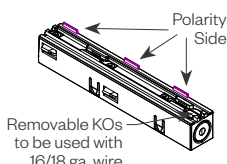


End Feed



SD-SF-L-POL

Left Polarity



SD-SF-R-POL

Right Polarity



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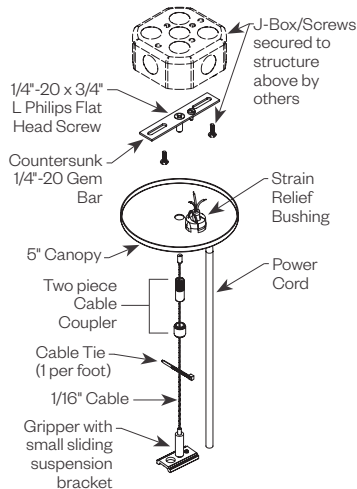


PROJECT:

TYPE:

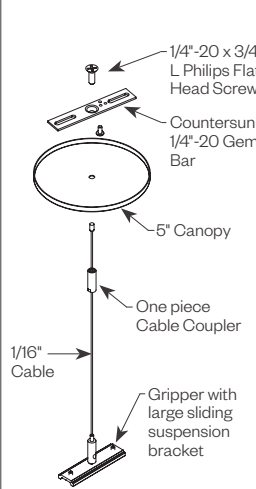
Component Details (continued)

Mounting Kits - Pendant Mount



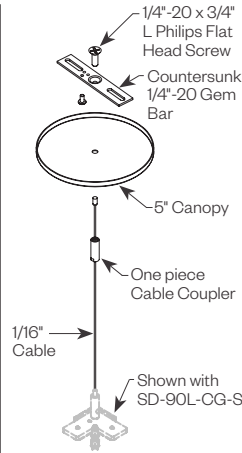
Power Feed
(with sliding suspension bracket)

SD-FCAN-S



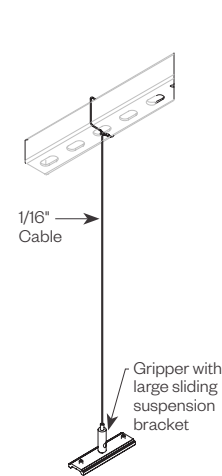
Non-Power Feed
(with sliding suspension bracket)

SD-CAN-L



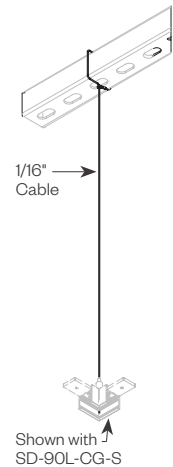
Non-Power Feed
(when suspending to L, T, X
Connector with cable gripper)

636-0264 (black)
636-0268 (white)



Wrap Around
(with sliding suspension
bracket)

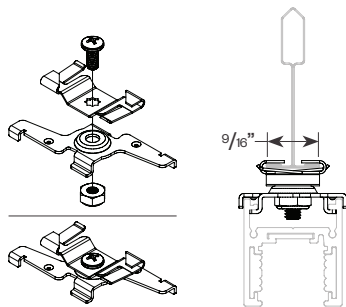
SD-CABLE



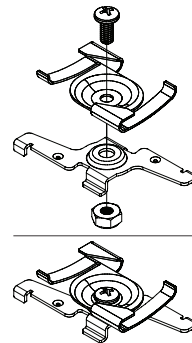
**Wrap Around
Aircraft Cable only**
(when suspending to L, T, X
Connector with cable gripper)

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:

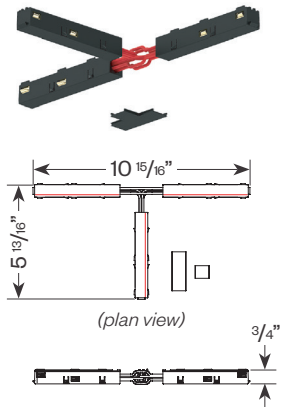
TYPE:

Component Details (continued)

Polarized Feeds

Polarized T Feed (Internal Right)

SD-T-I-R

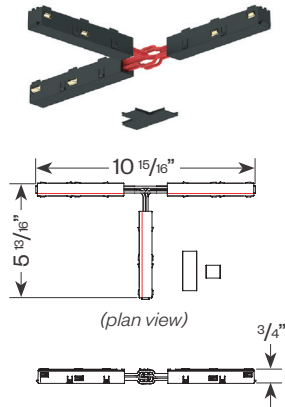


Covers (x2) included

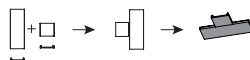


Polarized T Feed (Internal Left)

SD-T-I-L

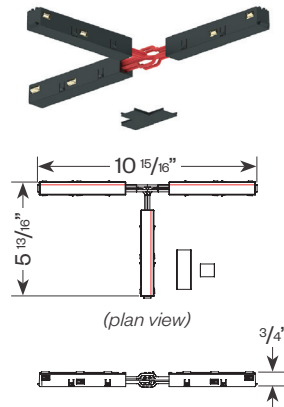


Covers (x2) included



Polarized T Feed (External Right)

SD-T-I-E

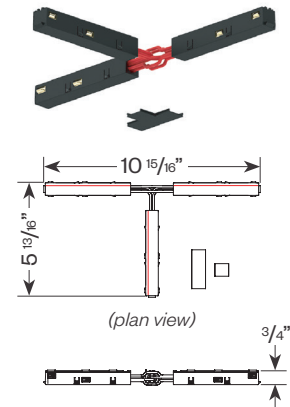


Covers (x2) included

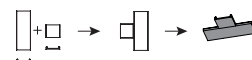


Polarized T Feed (External Left)

SD-T-E-L

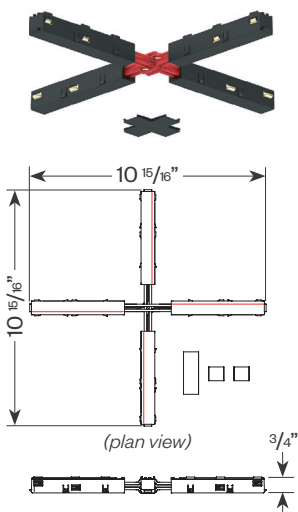


Covers (x2) included

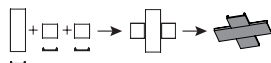


Polarized X Feed

SD-X



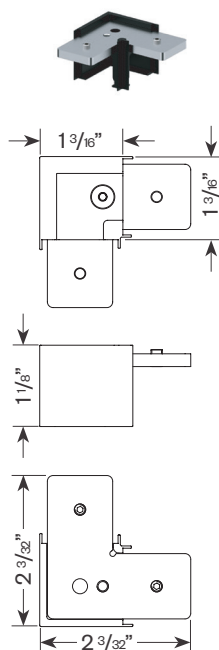
Covers (x3) included



Mechanical Joints

L - Joint

SD-90L-S

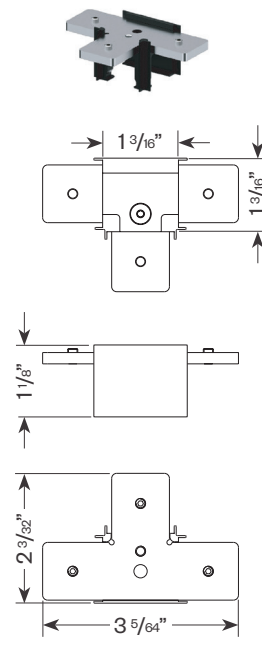


With Aircraft Cable Gripper attached:

SD-90L-CG-S

T - Joint

SD-TL

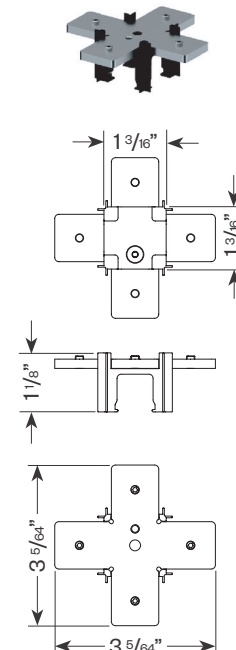


With Aircraft Cable Gripper attached:

SD-TL-CG-S

X - Joint

SD-XL



With Aircraft Cable Gripper attached:

SD-XL-CG-S

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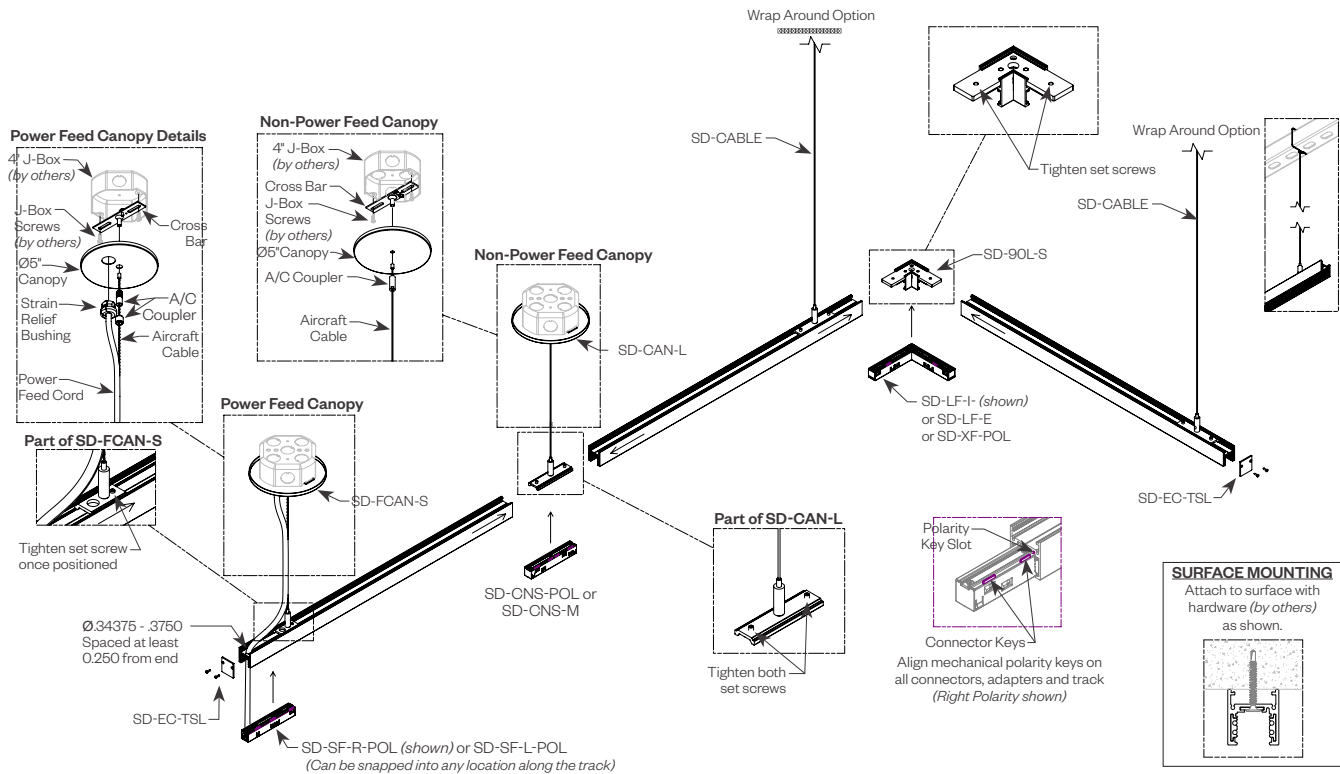
PROJECT:

TYPE:

SD-TSD Track Breakdown

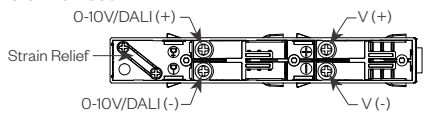
NOTES: 1. Junction Box not included for canopy mounting

2. 48V Transformer is remote mounted no further than 30'. Wires from transformer to J-Box are to be 16 ga.

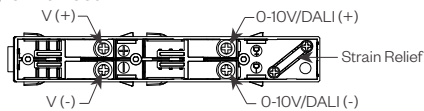


End Feed Wiring

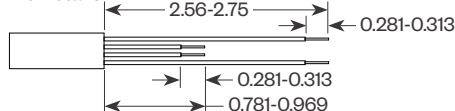
Left End Feed



Right End Feed

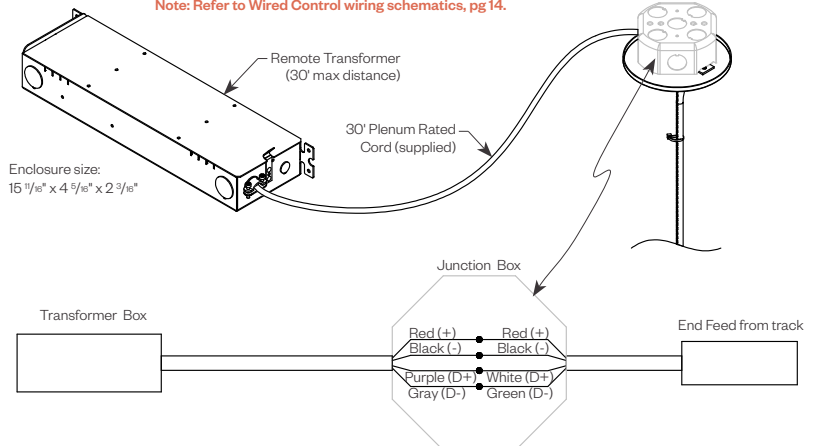


Wire Details



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.



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178 Bauer Drive, Oakland, NJ 07436 • P: 973-882-5010 F: 973-882-2605 • amerlux.com
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