

Slots & Dots - TRD Track

48V Low Voltage Track, Deep Profile, Recessed



PROJECT:

TYPE:

Features

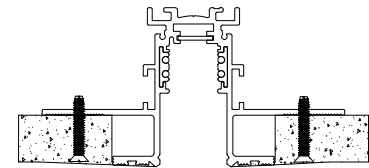
Slots & Dots, a 48V Track lighting system, connects all the dots for architects and lighting designers: color, comfort, controls and configurability. Slots & Dots is an easily configurable low voltage track lighting system that creates visual ambience for hospitality, residential, commercial and retail 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.



SD-TRD

Product Overview

Type: 48V Low Voltage Deep Profile Recessed Track
Circuit(s)/Amps: 1 circuit + Data Bus: $\pm 15A/0-38V + D+/D-$
Voltage: 48V
Weight (lbs): 3.8 (4'), 7.6 (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

Recessed mounted, 5/8" max ceiling thickness.

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-TRD-4 recessed deep profile track, 48" SD-TRD-8 recessed 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>	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-TD end cap SD-EC-F-TD 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-IVCJ-TRD internal vertical mechanical corner joint SD-HCJ-TRD horizontal mechanical corner joint SD-XF-POL* flex connector, wall to ceiling, polarized <i>* Can be used as in-plane with variable angle.</i> <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	B black W white <u>Mounting Kits</u> SD-BR-314* track joining bracket for SD-TRD/TRL to provide mechanical connection. Qty 3 for straight connection, Qty 4 for corner joint. SD-RODKIT-TRD* threaded rod kit, 8-32 rod (supplied by others), 1 required every 36" SD-CABLEKIT-TRD* aircraft cable kit, 1 required every 36" <i>* Finish not required</i> <i>See Mounting example on page 5.</i> <u>Accessories</u> SD-4BLANK 48" blank to cover track without light module  SD-8BLANK 96" blank to cover track without light module SD-TOOL* cutting tool for track conductors  <i>* Finish not required</i> <i>Note: All Blank sections are field cuttable.</i>

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 5 for voltage drop & max track length information.</i>	

Slots & Dots - TRD Track

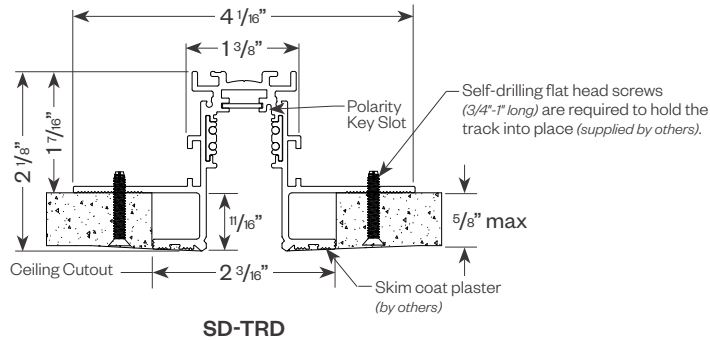
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PROJECT:

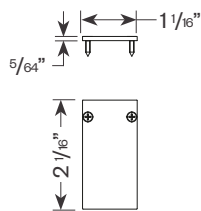
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Product Details - Track



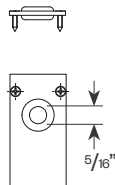
Component Details

End Caps



(Required on each end of a track run)

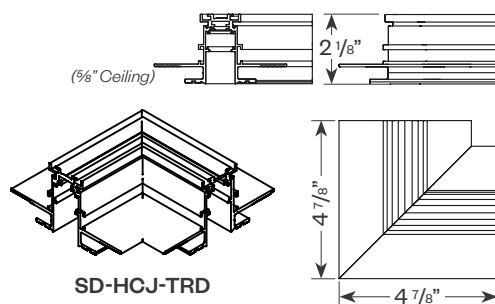
With Feed hole



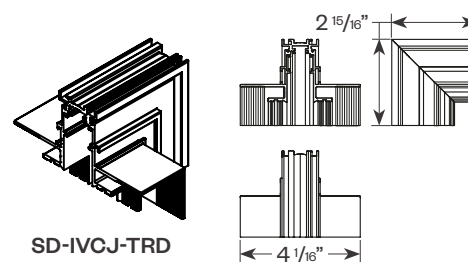
(Required when feeding track from the side)

Corner Joints

Horizontal Mechanical Corner Joint



Internal Vertical Mechanical Corner Joint



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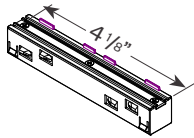
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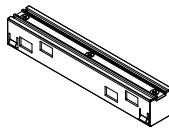
Component Details *(continued)*

Connectors

Middle Straight Connector



SD-CNS-POL
Polarized

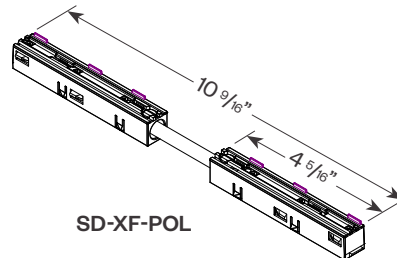


SD-CNS-M
Mechanical
(non-electrical)

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

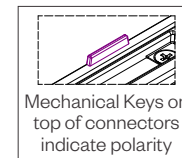
Flex Connector

(Used for electrical connections for all corners)



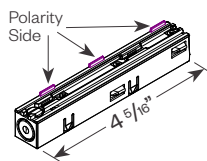
SD-XF-POL

Note:

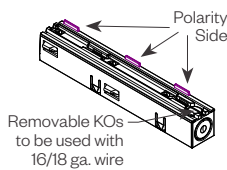


Mechanical Keys on top of connectors indicate polarity

End Feed



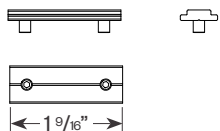
SD-SF-L-POL
Left Polarity



SD-SF-R-POL
Right Polarity

Mounting Brackets/Kits

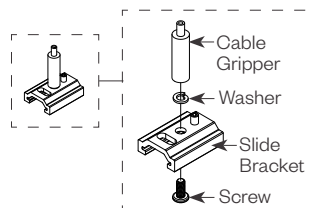
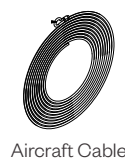
SD-BR-314



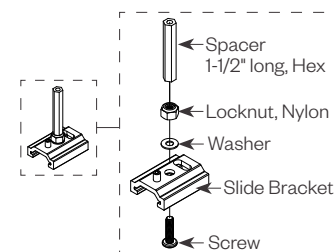
Reinforcement (Joining) Bracket to be used with straight connector and corners. This bracket will act as a mechanical connection for trimless track.

- (3) Required for straight connections.
- (4) Required for corner connections.

SD-CABLEKIT-TRD



SD-RODKIT-TRD



Notes:

- 1. Kit is to be used with 8-32 threaded rod.
- 2. Do not tighten nylon locknut completely. Hex standoff must rotate freely.



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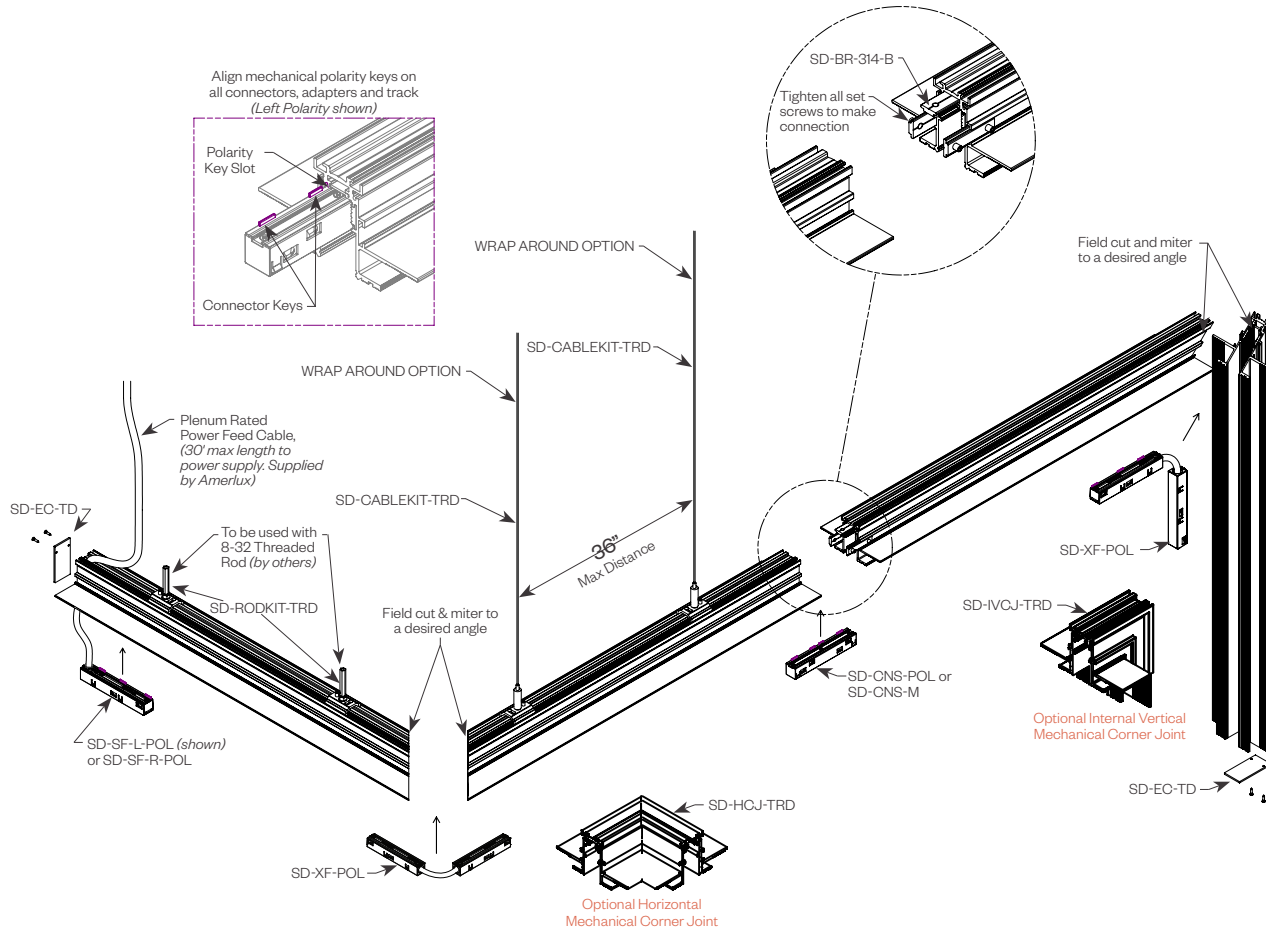


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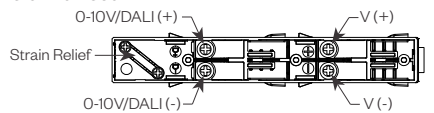
SD-TRD Track Breakdown

NOTES: 48V Transformer is remote mounted no further than 30'. Wires from transformer to J-Box are to be 18 ga.

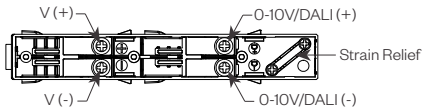


End Feed Wiring

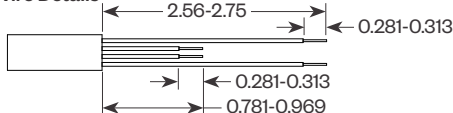
Left End Feed



Right End Feed



Wire Details



Remote Wiring

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



Voltage Drop

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

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

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.