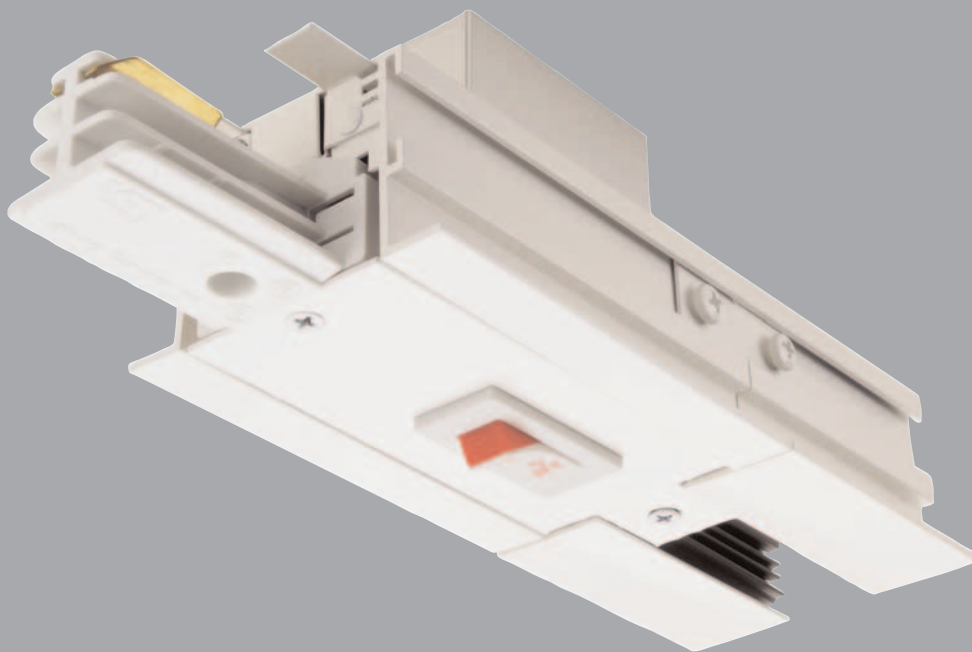




Track Current Limiter



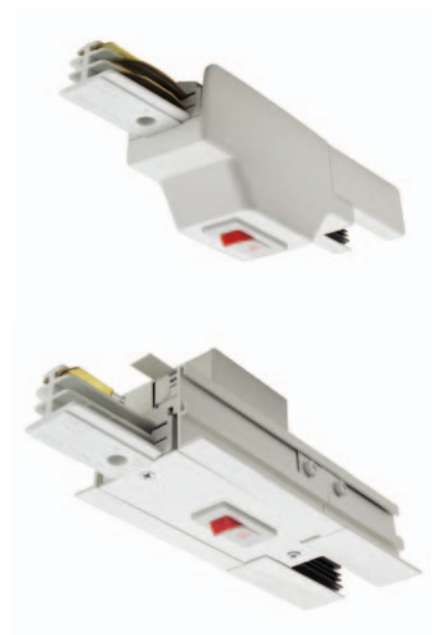
Lighting Services Inc

Track Current Limiter

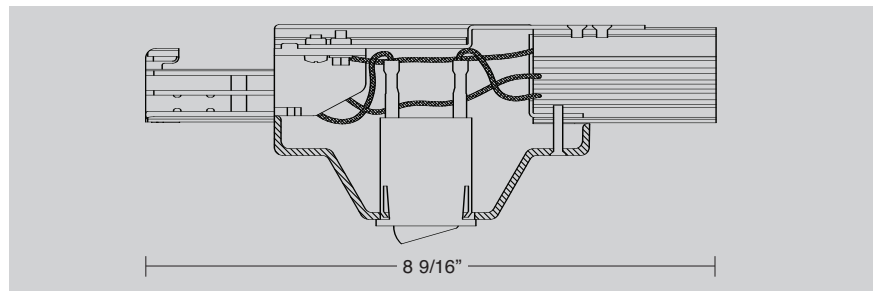
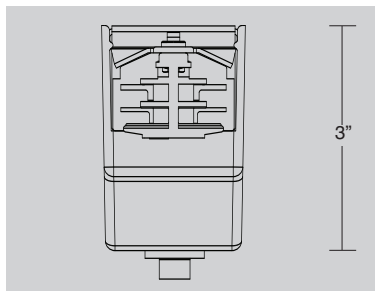
LSI Track Current Limiters are designed to address energy allowances on wattage per foot for line voltage track installations. Depending on the location of the installation, new energy codes impose an arbitrary charge of 30, 45, or even 70 watts per linear ft. of track, regardless of the actual wattage load that is intended for use on that track. That is, unless a current limiting device is permanently installed between the primary circuit and the track that is being energized. Lighting Services Inc Track Current Limiters allow flexibility in specifying the exact wattage needed for a specific job.

LSI Track Current Limiters integrate directly into single circuit Surface or Recessed track runs and are available in various amperages; 3Amp, 5Amp, 8Amp, and 12Amp, all with magnetic breakers rated full load.

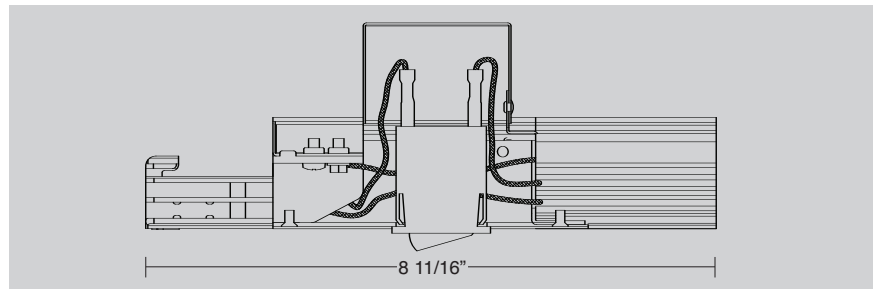
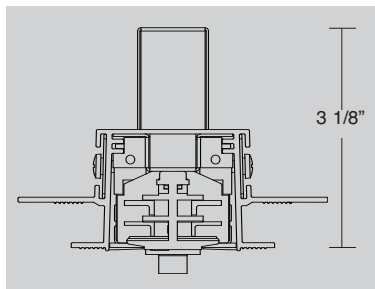
The California Energy Commission (CEC) has reviewed LSI's track current limiter and has approved it to comply with the requirements for an integral track lighting current limiter as defined in the Title 24 2005 Nonresidential Compliance manual.



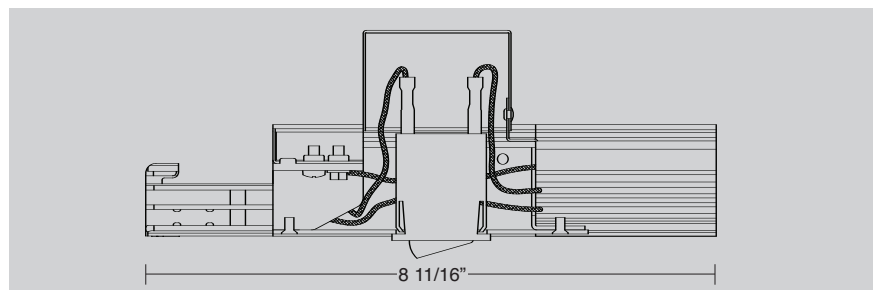
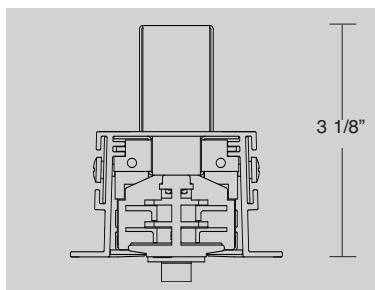
Track Current Limiter: Surface Track



Track Current Limiter: Recessed Track (Flangeless)



Track Current Limiter: Recessed Track (Flanged)



Energy Codes and their impact on Track Lighting

IECC2006

- Track lighting and busway systems are treated the same
- Charges the greater of either:
 - o The maximum rated wattage of the specified luminaires OR
 - o 30 watts per linear ft. of track

ASHRAE/IESNA 90.1 – 2001 and 2004

- Track lighting and busway systems are treated the same
- Charges the greater of either:
 - o The maximum rated wattage of the specified luminaires OR
 - o 30 watts per linear ft of track

California's Title 24 – 2005 (Line Voltage Track Lighting Worksheet LTG-9-C)

- Track lighting and busway systems are treated the same
- Charges the greater of either:
 - o The maximum rated wattage of the specified luminaires OR
 - o 45 watts per linear ft of track OR
 - o 15 watts per linear ft of track if a current limiting device is used

Example Installation

(Based on Title 24 Line Voltage Track Lighting Worksheet LTG-9-C)

20' run of track in a retail environment with (10) 50 watt low voltage fixtures.

No current limiter You will be charged the following amount of power;

20 ft of track x 45 w/ft = 900 watts

10 fixtures rated at 50 watts each = 500 watts

900 watts is the greater amount, so you will be charged 900 watts.

With a 5 amp current limiter in place, you will be charged the following amount of power;

20 ft of track x 15 w/ft = 300 watts if you are using any current limiting device

10 luminaires rated at 50 watts each = 500 watts

5AMPS x 120Volts = 600 Watts

600 watts is the greater amount, so you will be charged 600 watts by using the properly sized current limiting device.



William Sonoma Flagship Store- San Francisco, CA
Lighting Design- Auerbach - Glasow

Ordering Information

Surface Track Current Limiter

3 AMP (360 Watts)

5 AMP (600 Watts)

8 AMP (960 Watts)

12 AMP (1440 Watts)

Silver

TCL3S

TCL5S

TCL8S

TCL12S

Black

TCL3B

TCL5B

TCL8B

TCL12B

White

TCL3W

TCL5W

TCL8W

TCL12W

Graphite

TCL3G

TCL5G

TCL8G

TCL12G

Recessed Track Current Limiter (Flangeless)

3 AMP (360 Watts)

5 AMP (600 Watts)

8 AMP (960 Watts)

12 AMP (1440 Watts)

White

TCLR3W

TCLR5W

TCLR8W

TCLR12W

Recessed Track Current Limiter (Flanged)

3 AMP (360 Watts)

5 AMP (600 Watts)

8 AMP (960 Watts)

12 AMP (1440 Watts)

White

TCLRF3W

TCLRF5W

TCLRF8W

TCLRF12W



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