

Sirius Lighting



sirius® lighting Installation Hardware and Accessories

Catalog No. _____

Type _____

Project _____

Specifications/Features

Interchangeable parts plug into one another easily and quickly while insuring firm, solid connections.

All hardware is available in hand-polished chrome, matte platinum or 24K hand-polished gold plate except where noted.

All electrical connections are rated for 12 or 24 Volt operation.

CSA/us Listed for dry location only.



Surface Mount Transformer

For remote transformer applications. Mounts to standard ceiling outlet box, allows for 35° slope (8/12 pitch). Use with SA1089 + SA50 or SAV111 for rail suspension. Center grommet is always black.

Diameter: 4-1/2"
Height: 2-1/2"

SA54T-(C, G, PL)



Surface Feed Cover Canopy

For remote transformer applications. Will allow a maximum of 35° slope (8/12 pitch) and will accept two (2) SA feed wires. Center grommet is always black.

Diameter: 3"
Depth: 1"

SA54-(C, G, PL)



Surface Adapter Plate

Use when mounting Surface Feed Cover Canopy (SA54) to a 4" outlet box. Also available in Black (-B) and White (-P).

Diameter: 4-3/4"

SA54A-(B, C, G, P, PL)



Power Stem Hub: 2 x 180°

SA5305/180 - 2"
SA5325/180 - 9-3/4"*
SA5350/180 - 19-3/4"*
SA5310/180 - 39"*
SA5320/180 - 78-3/4"*

*May be field cut to shorter length.



Power Feed Hub: 2 x 180°

For **stem and cable rail suspensions** with an alternative source power feed. Includes length of 10-2 power cable with clear insulator.

SA5360 - 23-1/2"
SA53200 - 78-1/2"



Flat-top Power Feed Hub: 2 x 180°

For **wall mounting** rail with an alternative source power feed applications. Includes length of 10-2 power cable with clear insulator.

SA5360FT - 23-1/2"



SA Feed Wire

10 gauge, 2 conductor, tin plated, clear insulation, rated for 25A circuits. Sold by the meter or an economical 75M reel.

SA Feed Wire-1M - 39-1/4"



Power End Feed with Plug-In Termination

Includes length of 10-2 power cable with clear insulator

SA560 - 23-1/2"
SA5200 - 78-1/2"
SA5400 - 157"



Contact Connectors (PAIR)

SA04 - Conductive Connectors
For power stem, power feed hubs or connecting power hubs.

SA04N - Non Conductive Connectors
For power stem, power feed hubs or connecting power hubs.

Straight Connectors (PAIR)



SA02 - Conductive Connectors
For connecting rail sections.

SA02N - Non Conductive Connectors
For interruption of current with more than one power feed. Includes non-conductive insulator.



Universal Connector (PAIR)

Horizontal and vertical connector, adjustable 90° - 180°.

SA12 - Universal Connectors



Decorative Termination

One (1) piece. For an ornamental end to the rail section.

SA11 - Decorative Termination



Termination Of Rail Section (PAIR)

Conforms to shape of rail, black only.

SA10-B - Rail Stops

Mounts are supplied with mounting screw and plastic anchor. For T-Bar mounting, add suffix "T". For drywall mounting with toggle bolt, add suffix "D". Available in hand-polished chrome (-C), 24K hand-polished gold plate (-G) or matte platinum (-PL).



Stem Mounts

Use with suspension tab (SA50) to hold rail. May be field cut to specific lengths.

- SA1050** - 2"
- SA1089** - 3-1/2"
- SA1250** - 9-3/4"
- SA1500** - 19-3/4"
- SA1000** - 39-1/4"



Cable Suspension

Use with suspension tab (SA50) to hold rail. May be field cut to specific lengths.

- SAC2000** - 78-1/2"
- SAC4000** - 157"



Suspension Tab

For stem and cable suspensions, supplied with non-conductive insulator for cap.

SA50 - 1-3/16"



Connecting Hub: 8 x 45°

For stem and cable suspensions.

SA5045



Multiple Attitude Tab Mounting

For wall or ceiling mounting of rail. May be field cut to specific lengths except for SAV50.

Stem Mount:

- SAV50** - 2"
- SAV111** - 4-1/3"
- SAV250** - 9-3/4"
- SAV500** - 19-3/4"
- SAV100** - 39-1/4"

Wall Mount Only:

- SAV wall mount bracket with aircraft cable support.
- SAVC500** - 19-3/4"
- SAVC1000** - 39-1/4"



Wall/Floor Passage Connector

Allows single rail to be suspended from wall, or used vertically, by single end support.

- Max hole size: 1"
- Max. surface thickness: 3/4"
- Max. support length: 39-1/4"

SA55

Specifications/Features

Both magnetic and electronic transformers can be used with the Sirius Flexible Track System. These transformers are available for surface mount and remote mount applications to suit your design and installation needs.

When voltage and lamp brightness at the beginning of an illuminated section (close to the transformer) are higher than the voltage and lamp brightness at the end, the difference is known as "Voltage Drop."

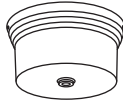
For a proper low voltage lighting system, circuit runs must be of sufficient size wire to maintain a proper operating voltage to all lamps. Maximum allowable voltage drop should not exceed 5%.

Electronic Transformers

- Maximum wiring distance (from remote transformer to start of track):
12' (max.*) with AC Electronic Transformer (use minimum 10ga. wire)
40' (max.*) with DC Electronic Transformer (use minimum 10ga. wire)
**Distances may be extended with thicker guage wire.*
- These transformers may be dimmed with dimmers specifically designed for use with Low Voltage Electronic Transformers.
- All electronic transformers offer auto-reset short circuit protection, overload protection, and thermal cut-off at 257°F.
- These electronic transformers will not operate without a minimum 30% load.
- UL Listed (UL 2108 compliant)

Magnetic Transformers

- Maximum distance with Magnetic Transformer should not exceed 40'.
- These transformers may be dimmed with dimmers specifically designed for use with Low Voltage Magnetic Transformers.
- High reliability with magnetic circuit breakers.
- Primary 5% boost tap provided to compensate for voltage drop on long runs of 20' or more.
- These UL Listed (UL 2108 compliant) transformers will operate with any load.



Surface Mount Canopy

For remote transformer applications. Use with power feeds. Covers standard octagon ceiling box. 2-1/2" H x 4-1/2" Dia. Platinum finish.

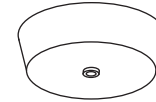
SA54T-PL

:: Note :: The Use of compatible LED lamps is acceptable.

Remote Electronic Transformers

All Remote Transformers have black finish

- LVT-151** - 150W 120/12V Transformer must be within 12' of power stem.
6-1/2" L x 1-1/2" W x 1-3/8" H
- LVT-151 24V** - 150W 120/24V Transformer must be within 12' of power stem.
6-1/2" L x 1-1/2" W x 1-3/8" H
- LVT-151-DC** - 150W DC 120/12V
6-1/2" L x 1-1/2" W x 1-3/8" H
- LRT-181** - 180W 120/12V Must use a min. of 10 X 3W when using dimmers.
5-1/8" L x 4-11/16" W x 1-5/8" H



Surface Mount Canopy

For remote transformer applications. Will allow a maximum of 35° slope (8/12 pitch) and will accept two (2) SA feed wires. Center grommet is always black. Transformer not included. 1" H x 3" Dia. Available in hand-polished chrome (-C), 24K hand-polished gold plate (-G) or matte platinum (-PL).

SA54

Remote Magnetic Transformers

All Remote Transformers have black finish

- LVT-150** - 150VA 120/12V with Magnetic circuit breaker.
3-1/2" L x 3-1/2" W x 13" H
- LVT-300** - 300VA 120/12V with Magnetic circuit breaker.
4-3/8" L x 4" W x 13-3/8" H
- LVT-300 277V** - 300W 277/12V with Magnetic circuit breaker.
4-3/8" L x 4" W x 13-3/8" H
- LVT-300-24** - 300W 120/24V with Magnetic circuit breaker.
4-3/8" L x 4" W x 13-3/8" H
- LVT-500-C** - (2) 250W 120/12V Transformers; (2) magnetic circuit breakers, (1) primary.
4-3/8" L x 4-1/2" W x 12-3/8" H
- LVT-600-24** - 600W 120/24V with Magnetic circuit breaker.
5-3/8" L x 4-3/4" W x 9-1/2" H
- LVT-600-277V-24** - 600W 277/24V with Magnetic circuit breaker.
5-3/8" L x 4-3/4" W x 9-1/2" H
- LVT-600-C** - (2) 300W 120/12V Transformers; (2) magnetic circuit breakers, (1) primary.
5-1/4" L x 4-3/4" W x 14-1/4" H
- LVT-1200-C-24** - (2) 600W Circuits, 120/24V magnetic transformers, (2) magnetic circuit breakers, (1) primary.
6" L x 5-1/2" W x 10-1/2" H

**WIRING DISTANCE IN FEET
(REMOTE TRANSFORMER TO START OF TRACK)**

Low Voltage Output	Transformer Wattage	#10 GA Wire	#8 GA Wire	#6 GA Wire	#4 GA Wire
12 Volt	150 Watt	23'	36'	57'	91'
12 Volt	250 Watt	14'	21'	34'	55'
12 Volt	300 Watt	11'	18'	28'	45'

Ampere Capacity	Wire Gauge
25	10
35	8
50	6
70	4

Finish Codes: **-C** (Hand-polished chrome)
-G (24K Hand-polished gold plate)
-PL (Matte platinum)

SA Feed Wire

10 gauge, 2 conductor, tin plated, clear insulation, rated for 25A circuits. Sold by the meter (39-1/4") or an economical 75M reel. Finish: C, G, PL

SA FEED WIRE-1M

Dimming Controls for Electronic Transformers

Wall plate not supplied.

- LVD-300E** - 300W Max, white finish.
- LVD-300E/3** - 3-Way dimming control, 300W Max. Use with switching from two locations. White finish.

Power End Feed, Plug-In Termination

Includes length of 10-2 power cable with clear insulator. Finish: C, G, PL

- SA560** - 23-1/2"
- SA5200** - 78-1/2"
- SA5400** - 157"

Dimming Controls for Magnetic Transformers

Wall plate not supplied.

- LVD-600M** - 600VA, 450W Max. White finish.
- LVD-600M/3** - 3-Way Dimming control. 600VA, 450W Max. White finish.