

ATTRAX



PROJECT _____	QTY _____
TYPE _____	DATE _____
CATEGORY # _____	EELIGHTING REP _____

ATTRAX is a low voltage magnetic track lighting system for suspension, surface and, trimless recessed mounting. The flexible 48V DC magnetic tracks and LED light module inserts in the ATTRAX series create multiple patterns and lighting combinations for architectural applications.

The track rails are powered by a remote 48V DC, constant voltage, constant current LED power supply with 120-277V input. 60W, 100W, and 150W LED drivers are available for the ATTRAX series.

LAA-SUSSUR-TR01 MB is the track rail designated for suspension and surface mounting.

FINISH

- Textured, matte black powder-coated

CONSTRUCTION

- Anodized aluminum track rail
 - 1" (2.6mm) in width
 - 3.3 ft (1000mm) in length
 - Easy lock/unlock mechanism
 - Direct optic
- Mechanical connector available for linear, continuous row mounting
- Polycarbonate end caps
- Non-power, aluminum L-shaped horizontal track rail kit for L-shaped, square and rectangular configuration
- All constructional accessories sold separately
- Applicable to drywall or exposed concrete ceiling (T-grid ceiling not applicable)

WARRANTY

- 5-Year Warranty (Standard)
- 10-Year Limited Warranty (Optional)
- Field cut tracks excluded

CERTIFICATION & COMPLIANCE

- ETL

ELECTRICAL

- Input Voltage: 120-277V
- Wattage: 60W, 100W, 150W (LED Drivers sold separately)
- Output Voltage: 48V DC
- 1-10V Dimmable
- L-N 2kV Surge Protection
- Live-end feed with power cable 6.6 ft (2000mm) and 1.6 ft (500mm) options
- Electrical connector for providing power from one track to another
- Driver box is mandatory for LED driver and wiring - can be mounted on ceiling or wall
- All electrical components sold separately

COMPATIBLE LIGHT MODULE INSERTS

sold separately

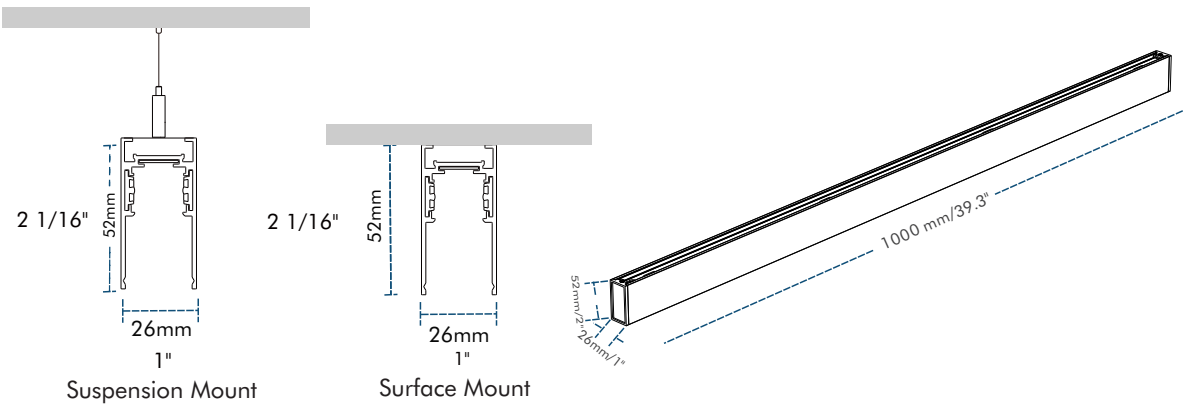
- ATTRAX Accent Light
- ATTRAX Comfort Strip Light
- ATTRAX Double Spot Light
- ATTRAX Zoomable Spot Light



MOUNTING *all mounting accessories sold separately*

- Suspension Mount
 - Canopy Plate Kits including Ø4.5" or Ø2.5" textured, matte black, canopy plate and 6.6 ft (2000m) air craft cable
 - Standoff Kit including standoff and 6.6 ft (2000mm) air craft cable
- Surface Mount
 - Surface Mounting Kit

DIMENSIONS



ORDERING GUIDE

SERIES	MOUNTING	TRACK LENGTH	FINISH
LAA	SUSSUR Suspension and Surface Mounted	TR01 Track Rail- 3 ft (1000m)	MB Matte Black

Pre-set Track Kits for Suspension Mount

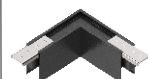



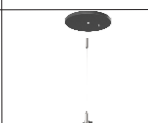

MODEL#	DESCRIPTION
LAA-SUS WIRED TR 60 KIT	SUSSUR Track Rail 01 3.3 ft (1000mm) x1 Canopy Plate Kit 01 4.5" x1 Live-end Feed 01 6.6 ft (2000mm) x1 60W LED Driver, 48V DC, 120-277V x1 + Driver Box x1
LAA-SUS WIRED TR 100 KIT	SUSSUR Track Rail 01 3.3 ft (1000mm) x1 Canopy Plate Kit 01 4.5" x1 Live-end Feed 01 6.6 ft (2000mm) x1 100W LED Driver, 48V DC, 120-277V x1 + Driver Box x1
LAA-SUS WIRED TR 150 KIT	SUSSUR Track Rail 01 3.3 ft (1000mm) x1 Canopy Plate Kit 01 4.5" x1 Live-end Feed 01 6.6 ft (2000mm) x1 150W LED Driver, 48V DC, 120-277V x1 + Driver Box x1
LAA-SUS NON-WIRED TR KIT	SUSSUR Track Rail 01 3.3 ft (1000mm) x1 SUSSUR Mechanical Connector 01 x1 Electrical Connector 01 x1








Pre-set Track Kits for Surface Mount

MODEL#	DESCRIPTION
LAA-SUR WIRED TR 60 KIT	SUSSUR Track Rail 01 3.3 ft (1000mm) x1 Surface Mounting Kit 01 x2 Live-end Feed 01 1.6 ft (500mm) x1 60W LED Driver, 48V DC, 120-277V x 1 + Driver Box x1
LAA-SUR WIRED TR 100 KIT	SUSSUR Track Rail 01 3.3 ft (1000mm) x1 Surface Mounting Kit 01 x2 Live-end Feed 01 1.6 ft (500mm) x1 100W LED Driver, 48V DC, 120-277V x1 + Driver Box x1
LAA-SUR WIRED TR 150 KIT	SUSSUR Track Rail 01 3.3 ft (1000mm) x1 Surface Mounting Kit 01 x2 Live-end Feed 01 1.6 ft (500mm) x1 150W LED Driver, 48V DC, 120-277V x1 + Driver Box x1
LAA-SUR NON-WIRED TR KIT	SUSSUR Track Rail 01 3.3 ft (1000mm) x1 Surface Mounting Kit 01 x2 SUSSUR Mechanical Connector 01 x1 Electrical Connector 01 x1

Components and Accessories Sold Separately

MODEL#	DESCRIPTION	QTY BEING USED	
LAA-SUSSUR-LTRKIT01 MB	L-shape Track Rail Kit 01 for Suspension-or Surface Mounted ATTRAX Series - L-Shape Horizontal Track Rail (100mm)+ Linear Mechanical Connector (CM01) + Flexible Electrical Connector (CE02)	1 set per 90° connection	
LAA-SUS-LEF01	Live-End Feed 01 Suspension-Mounted ATTRAX Series - 6.6 ft (2000mm)	1 pc per LED driver	
LAA-SURREC-LEF01	Live-end feed 01 for Surface -or Recess-Mounted ATTRAX Series - 1.6 ft (500mm)	1 pc per LED driver	
LAA-U-CE01	Electrical Connector 01 for Suspension-, Surface-,or Recessed Mounted ATTRAX Series- Linear	1 pc per linear connection	
LAA-SUS-CANOPYKIT01 MB	Canopy Plate Kit 01 for Suspension-Mounted ATTRAX series - Kit includes: 4.5" Matte Black Canopy Plate + 6.6 ft (2000mm) Aircraft Cable	1 set per LED driver	
LAA-SUS-CANOPYKIT02 MB	Canopy Plate Kit 02 for Suspension-Mounted ATTRAX series - Kit includes: 2.5" Matte Black Canopy Plate + 6.6 ft (2000mm) Aircraft Cable	1 set per mounting point	

**Components and Accessories** *Sold Separately - Continued*

MODEL#	DESCRIPTION	QTY BEING USED	
LAA-SUS-SOKIT01	Standoff Kit 01 for Suspension-Mounted ATTRAX Series- Kit includes: standoff + 6.6 ft (2000mm)	1 set per mounting point	
LAA-SUR-MKIT01	Mounting Kit 01 for Surface-Mounted ATTRAX series (1 pc)	2 sets per track	
LAA-SUSSUR-ECKIT01 MB	End-Cap Kit 01 for Suspension or Surface-Mounted ATTRAX Series Track Rail	1 set per complete track	
LAA-SUSSUR-CM01 MB	Mechanical Connector 01 for Suspension-or-Surface-Mounted ATTRAX Series - Linear	1 pc per linear connection	
LAA-DB01 MB	Driver Box / 48V Low Voltage Wiring Enclosure	1 pc per LED driver	

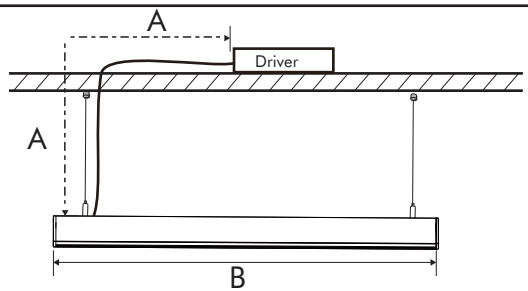
LED Drivers *Sold Separately*

MODEL#	DESCRIPTION	RECOMMENDED MAXIMUM LOADING
LAA-HLG-60H-48	60W Constant Voltage Constant Current LED Driver, 48V DC, 120-277V	50W
LAA-HLG-100H-48	100W Constant Voltage Constant Current LED Driver, 48V DC, 120-277V	76W
LAA-HLG-150H-48	150W Constant Voltage Constant Current LED Driver, 48V DC, 120-277V	122W



BUILD YOUR ATTRAX TRACK LIGHTING SYSTEM:

- A. Understand the physical area being installed with ATTRAX and do the layout with linear, L-shaped, rectangular, and/or square configurations.
- B. Measure the length and quantity of track rails needed.
- C. Choose your track rails and connectors that are suitable for the way you mount.
 - a. ATTRAX suspension and surface mount track rails are applicable to drywall or exposed concrete ceiling and is not applicable to T-grid ceiling.
 - b. For suspension mount, 2 mounting points are needed for each 3.3 ft (1000mm) section. Minimum 3 mounting points per 6.6ft (2000mm). Minimum 4 mounting points per 9.9 ft (3000mm) and so forth.
 - c. Use a canopy plate kit with 4.5" canopy plate for mounting point where wiring is going through.
 - d. Use the small canopy kit with 2.5" canopy plate or standoff kit for other mounting points.
 - e. For L-shape, square, and rectangular configuration, use the L-shaped track rail kit for each 90° turn.
 - f. Use a live-end feed to energize the track system. Two cord length options available: 6.6 ft (2000mm) for suspension mount and 1.6 ft (500mm) for surface mount.
 - g. Use an electrical connector to provide power from one track to another.
 - h. Use mechanical connectors to secure physical track connections. One per connection.
 - i. Put on end caps on the two ends of the track/track system.
 - j. Please note the track length recommendation under certain levels of power supply:



Power Supply		A Distance power supply/feed unit (2*1.5mm ²)			
		16.4 ft/5m	32.8 ft/10m	65.6 ft/20m	98.4 ft/30m
		B Track Length with tolerance 5%			
Wattage	Current	(ft/m)	(ft/m)	(ft/m)	(ft/m)
60W	1.25A	164/50	164/50	164/50	164/50
100W	2.08A	164/50	164/50	164/50	131/40
150W	3.13A	164/50	164/50	131/40	49.2/15
200W	4.17A	164/50	131/40	65.6/20	32.8/10
250W	5.21A	131.2/40	82/25	32.8/10	16.4/5



- D. Choose the light module inserts according to your project requirement and check if they physically fit in each track rail.
 - a. Refer to light module insert spec sheet for specification data and details.
 - b. Add up the total wattage of the ATTRAX system.
- E. Choose ATTRAX LED driver(s)
 - a. Select the LED driver(s) based on total system wattage and the placement of module inserts. Size up or increase number of LED drivers as you need.
 - b. Each LED driver has its maximum loading limit. The system wattage added up should not exceed the maximum loading of LED driver used for the track intermediate section(s).
 - c. Multiple LED drivers could be used in a continuous lighting system to fulfill the total lighting requirement. One LED driver per intermediate section(s).
 - d. To comply with ESA requirement, it is mandatory to use a driver box for each LED driver for wiring and installation. If not, field certification is required by a third-party authorization.