



# ATTRAX - TRACK RAIL - TRIMLESS RECESSED MOUNT



## 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-REC-TRIM01 MB is the track rail designated for trimless recessed mounting.

### FINISH

- Textured, matte black powder-coated

### CONSTRUCTION

- Anodized aluminum track rail
  - 1" (2.6mm) in width
  - 3.3ft (1000mm) in length
  - Easy lock/unlock mechanism
  - Direct optic
- Mechanical connector available for linear, continuous row mounting
- SPCC steel end caps
- Non-power, aluminum L-shaped horizontal track rail kit for L-shaped, square and rectangular configuration
- Recessed track rail comes with blank cover
- All constructional accessories sold separately
- Applicable to drywall 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 1.6 ft (500mm)
- 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



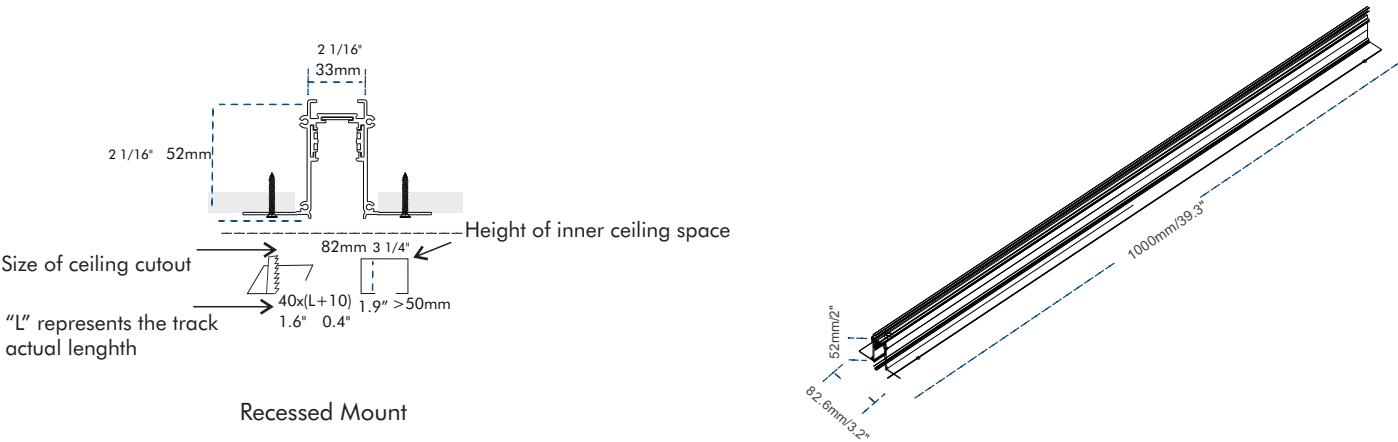
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## MOUNTING all mounting accessories sold separately

- trimless recessed mount

## DIMENSIONS



## ORDERING GUIDE

SERIES	MOUNTING	TRACK LENGTH	FINISH
LAA	REC Recessed	TR01 Track Rail- 3 ft (1000m)	MB Matte Black

## Pre-set Track Kits for Trimless Recessed Mount




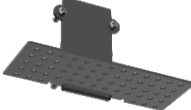


MODEL#	DESCRIPTION
LAA-REC WIRED TR 60 KIT	Recessed Track Rail 01 3.3 ft (1000mm) x1 Live-end Feed 01 1.6 ft (500mm) x1 60W LED Driver, 48V DC, 120-277V x1 + Driver Box x1
LAA-REC WIRED TR 100 KIT	Recessed Track Rail 01 3.3 ft (1000mm) x1 Live-end Feed 01 1.6 ft (500mm) x1 100W LED Driver, 48V DC, 120-277V x1 + Driver Box x1
LAA-REC WIRED TR 150 KIT	Recessed Track Rail 01 3.3 ft (1000mm) x1 Live-end Feed 01 1.6 ft (500mm) x1 150W LED Driver, 48V DC, 120-277V x1 + Driver Box x1
LAA-REC NON-WIRED TR KIT	Recessed Track Rail 01 3.3 ft (1000mm) x1 Recessed Linear Mechanical Connector 01 x1 Electrical Connector 01 x1



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## Components and Accessories Sold Separately

MODEL#	DESCRIPTION	QTY BEING USED	
<b>LAA-REC-LTRKIT01 MB</b>	L-shape Track Rail Kit 01 Matte Black for Recess-Mounted ATTRAX Series L-Shape Horizontal Track Rail Linear Mechanical Connector (CM01) Flexible Electrical Connector (CE02)	1 set per 90° connection	
<b>LAA-SURREC-LEF01</b>	Live-End Feed 01 for Surface-or Recess-Mounted ATTRAX Series -	1 pc per LED driver	
<b>LAA-U-CE01</b>	Electrical Connector 01 for Suspension -, Surface -, Recess-Mounted ATTRAX Series - Linear	1 pc per linear connection	
<b>LAA-REC-ECKIT01 MB</b>	End-cap Kit 01 for Recess-Mounted ATTRAX Series Track Rail	1 set per complete track	
<b>LAA-REC-CM01 MB</b>	Mechanical Connector 01 for Recess-Mounted ATTRAX Series-Linear	1 pc per linear connection	
<b>LAA-DB01 MB</b>	Driver Box / 48V Low Voltage Wiring Enclosure	1 pc per LED driver	

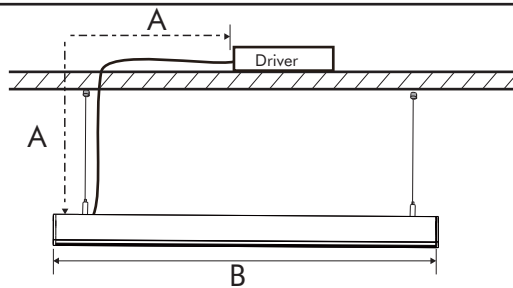
## LED Drivers Sold Separately

MODEL#	DESCRIPTION	RECOMMENDED MAXIMUM LOADING
<b>LAA-HLG-60H-48</b>	60W Constant Voltage Constant Current LED Driver, 48V DC, 120-277V (Required with LAA-DB01 MB)	50W
<b>LAA-HLG-100H-48</b>	100W Constant Voltage Constant Current LED Driver, 48V DC, 120-277V (Required with LAA-DB01 MB)	76W
<b>LAA-HLG-150H-48</b>	150W Constant Voltage Constant Current LED Driver, 48V DC, 120-277V (Required with LAA-DB01 MB)	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 trimless recessed track rails are applicable to drywall ceiling and not applicable to T-grid ceiling.
  - b. For L-shape, square and rectangular configuration, use the L-shaped recessed track rail kit.
  - c. Use a live-end feed to energize the track system.
  - d. Use an electrical connector to provide power from one track to another.
  - e. Use mechanical connectors to secure physical track connections. One per connection.
  - f. Put on recessed end caps on the two ends of the track/track system.
- g. Please note track length recommendation under certain levels of power supply:



Power Supply		A Distance power supply/feed unit (2*1.5mm <sup>2</sup> )			
		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 to 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 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.