SMART TRACK

Altman Smart Track™ is a revolutionary way to bring **DMX, DALI**, and **0-10 Volt** control* to LED track luminaires, both architectural and theatrical. Smart Track offers lighting professionals the simplicity of traditional 2-circuit track lighting systems, but also supports these modern control standards. The Smart Track system carries both power and data on the same track system, eliminating the need for data wiring to each fixture. Smart Track lighting system works with numerous Altman luminaires, including Gallery Wash and Profile, Siren Series Zoom Par, Pegasus 6" LED Fresnel, Spectra Cyc 50, and others.

Smart Track

Smart Track is an extruded aluminum track system that can be surface mounted, recessed, or suspended on a flat, level surface.** It can be integrated into existing designs to transform spaces into a more sleek, modern look. It is ideal for demanding applications where a low profile look is desired, and flexibility is required for changing fixture locations either regularly or occasionally. When used with digital controls like DMX and DALI, Smart Track allows high resolution **independent control of each fixture.** Luminaires can be assigned a unique DMX address at the fixture, or remotely via RDM (Remote Device Management). Altman Smart Track luminaires retain their address and configuration when moved between locations. The clean look and flexibility of the Altman Smart Track lighting system make it the ideal solution for many applications:

- Museums
- Houses of Worship
- Retail
- School Stages

- Art Galleries
- Lecture Halls
- Multipurpose Spaces

- Exhibits
- Small Scale Video Broadcast
- Restaurants

Product Features:

- Multiple mounting options including: surface, recessed, acoustic ceiling, and pendant
- Integral data distribution (DMX/RDM) that supports up to 32 DMX devices per data run and up to 20 DMX/RDM devices per data run
- Two-circuit track with separate neutrals for 120 Volt applications
- Three circuit track with single neutral for 230 Volt applications
- Can be cut to length on site
- Rugged design that can support up to 22 pounds per linear foot when properly supported
- Multiple track coupling options

- Multi-Adapters to support and supply power & data to Smart Track fixtures
- Complete line of accessories for design flexibility***
- Available in black, white, and silver
- cULus listed and CE marked for indoor use
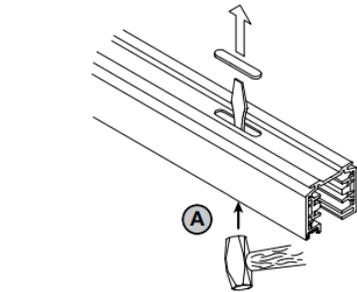- Two-year warranty
- Lifetime product support

* Refer to each luminaires data sheet for DMX/RDM/DALI/0-10V compatibility.
** Smart Track must be mounted flat and horizontal, facing down and is not compatible for walls, floors, sloped or curved ceilings.
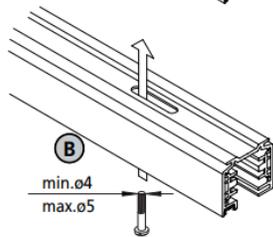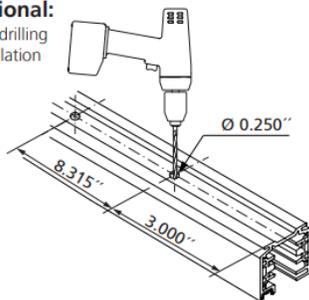*** Curved track is not available.

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Mounting - Surface & Suspended

Surface

(A)

optional:
field drilling
installation

Ø 0.250''

8.315''

3.000''

(B)

min.ø4
max.ø5

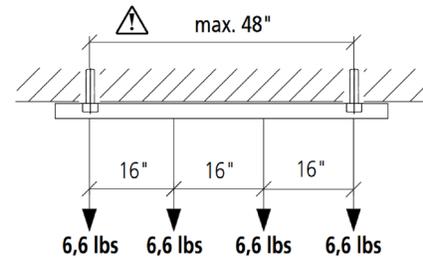Use Pan or Flat Headed screws only.

Suspended via Slotted Steel Channel

Threaded Rod - $\frac{5}{8}$ Typical

Slotted Steel Channel

Channel Nut $\frac{5}{8}$ Typical

Pan Head Screw - $\frac{5}{32}$

Use pan or flat
headed screws only

Load Distributions

| 8" | 8" | 8" |
| 22 lb | 22 lb | 22 lb |

24"	24"
16"	16"	16"
11 lb	11 lb	11 lb	11 lb

max. 48"
| 16" | 16" | 16" |
| 6,6 lbs | 6,6 lbs | 6,6 lbs | 6,6 lbs |

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LIGHTING
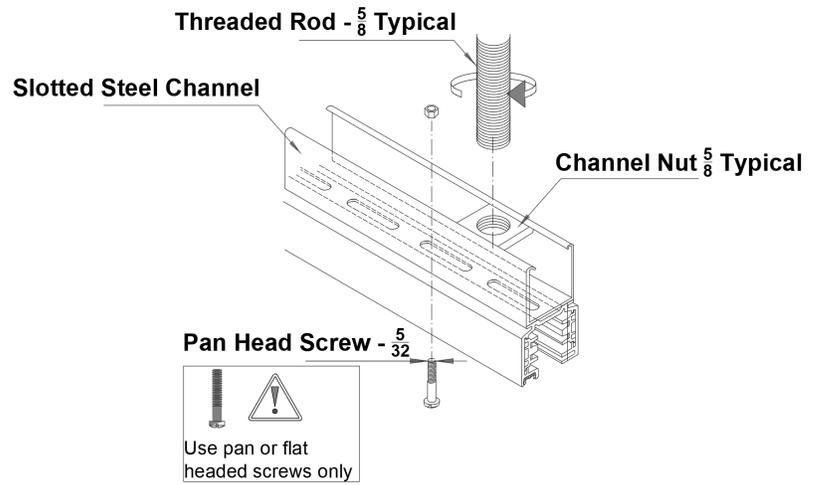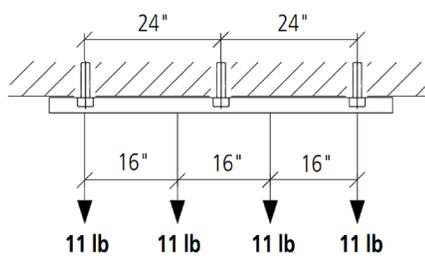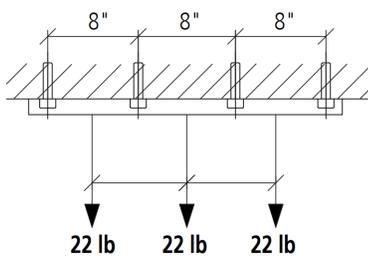
Mounting - Recessed (Spackle Flange Profile)
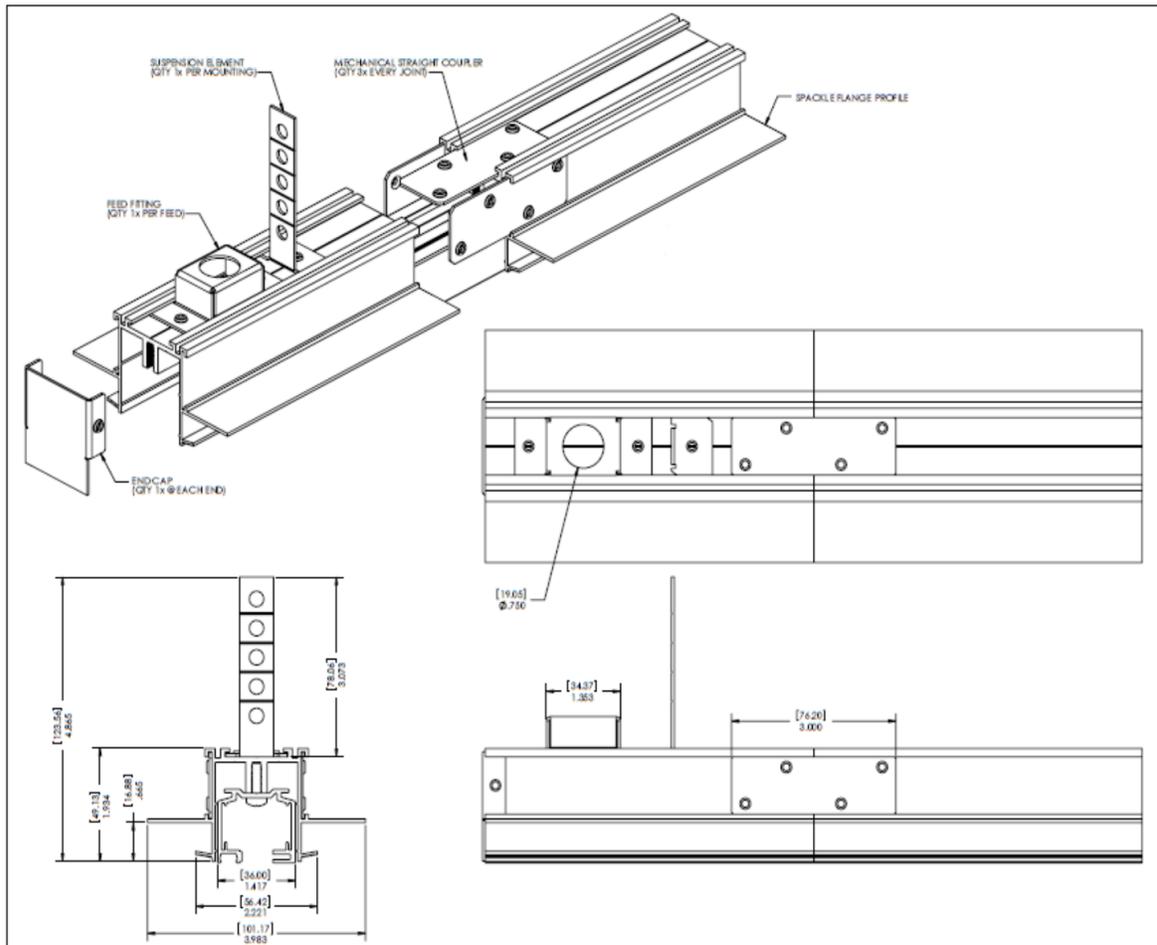
Application Notes

Spackle Flange Profile is a separate channel housing that allows Smart Track to be recessed, providing a flush mounting op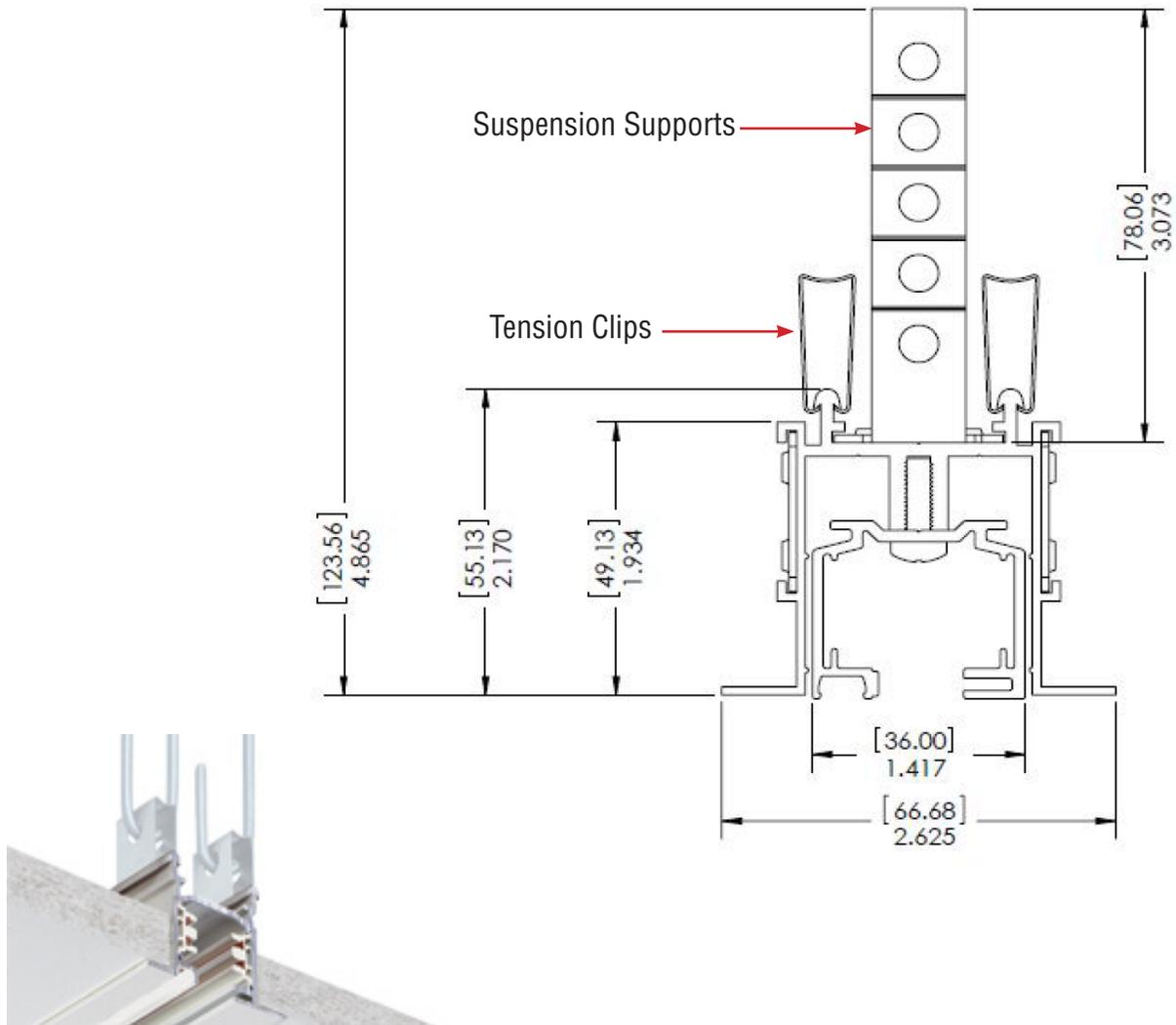tion for a clean look on finished drywall ceilings. Spackle Flange Profile is installed with independent support, prior to 1/2" drywall being installed, and the track is installed inside it. It provides a trim edge for the drywall spackling to be applied neatly up to the edge of the track.

- Spackle Flange Profile components are ordered separately, and do not include track. All track components need to be ordered separately.
- Spackle Flange Profile is designed to be field cut, and needs to allow extra length to house Live End Feeds.
- A Feed Fitting needs to be provided for each Live End location.
- Three (3) Mechanical Straight Couplers must be ordered for each coupling; they do not come as sets.
- Spackle Flange Profile must be supported every 16" minimum with Suspension Hangers as shown.
- Spackle Flange Profile is designed for use with 1/2" drywall/sheetrock.
- Track is to be installed and wired before drywall is installed; the track must be well-masked prior to spackling.
- Screw fastener hardware is provided with Spackle Flange Profile components
    - Spackle Flange Profile sections include M5-16 Pan Head Screws to secure Smart Track inside the Profile channel.
    - Spackle Flange Profile End Caps, Mechanical Couplers, Feed Fittings, and Suspension Hangers all include M4x4 set screws

Mounting - Acoustic "Drop" Ceiling (T-Bar)

Suspension Supports

Tension Clips

[78.06]
3.073

[123.56]
4.865

[55.13]
2.170

[49.13]
1.934

[36.00]
1.417

[66.68]
2.625

Application Notes

T-Bar Profile is a separate channel housing that allows Smart Track to be recessed, providing an integrated mounting option for installation in acoustical ceiling grids. The profile is fabricated of extruded aluminum with white powder coat with visible flange. T-Bar Profile is installed at the same time as acoustical drop ceiling grids and provides an edge for the ceiling tiles to lay against.

- T Bar Profile components are ordered separately, and do not include track. All track components need to be ordered separately.
- T-Bar Profile is designed to be field cut, and needs to allow extra length to house Live End Feeds.
- A Feed-in Cap needs to be provided for each Live End location.
- Three (3) Mechanical Straight Couplers must be ordered for each coupling; they do not come as sets.
- T-Bar can be suspended with suspension supports or with tension clips, only one method is needed.
- Screw fastener hardware is provided with T-Bar Profile components:
    - Profile sections include M5-16 Pan Head Screws to secure Smart Track inside the Profile channel.
    - T-Bar Profile End Caps, Mechanical Couplers, Feed Fittings, and Suspension Hangers all include M4x4 set screws

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L I G H T I N G

DMX Signal Termination

Live End with
Terminator

DMX and especially DMX with RDM requires signal termination. The preferred method is to use a Live End with a terminator (120 ohm resister) installed across the data terminals.

- 61-CF14JT120R   Resistor 120 Ohm 5% 1/4 Watt
- **ASL-99802** Live End with Ground Contact Right
                     OR
- **ASL-99803** Live End with Ground Contact Left

This Live end termination is the recommended option.

The second option is with the Smart Track Multi Adapter with terminator. - **ASL-99780**

Specifications

Materials: Extruded aluminum, steel busway.
Power: 20 Amps per circuit
Voltage: 120-277VAC*
Environment: IP20
Color: Black, White, Silver
Compliance: cULus listed, CE marked
Warranty: Two (2) years
Support: Supported Forever - free phone and online tech support for the life of your product.

Note: contact Altman for more information on 230V and 277V Smart Track options.

Smart Track Compatible Fixtures

Spectra Series LED

Product
- Spectra Star Par
- Spectra Cube
- Spectra Cyc 50
- Spectra Cyc UV 50
- Spectra Cube UV

Siren Series

Product
- AP150 RGBW Zoom Par (Requires ST-PDTO)

Gallery Series

Product
- Gallery 15-35 degree Zoom Profile
- Gallery 25-50 degree Zoom Profile
- Gallery Beam Wash
- Gallery Flood
- Gallery Wall Wash

Pegasus

Product
- Pegasus 6-inch LED Fresnel (Requires ST-PDTO)

Accessories

Product	Part Number
Power & Data Take-Off	ST-PDTO
	Smart Track (120V, two circuit) to PowerCON / 5-Pin XLR - Power and DMX Adapter with Luminaire Track Mounting Hardware (Only in Black)
Power Take-Off	ST-PTO
	Eutrac (120V, two circuit) to PowerCON - Power Only Adapter with Luminaire Track Mounting Hardware (Available only in Black).
CAT5 Data port	TLA-CAT5DMX
	CAT5 Data port for input or output of DMX. (Not required for data input)

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Smart Track Part Numbers

Tracks

ASL-23310*	4-feet, 2-circuit Smart Track, 120 VAC
ASL-23320*	8-feet, 2-circuit Smart Track, 120 VAC
ASL-23330*	12-feet, 2-circuit Smart Track, 120 VAC

230V and 277V Smart Track options are available. Contact Altman for more information.

Accessories

ASL-99802*	Live End with Ground Contact Right
ASL-99803*	Live End with Ground Contact Left
ASL-99874*	Straight Coupler (with Data)
ASL-99806*	I-Coupler (for Data and Power Input)
ASL-99809*	L-Coupler with Ground Contact Inside
ASL-99810*	L-Coupler with Ground Contact Outside
ASL-99813*	T-Coupler with Ground Contact Right
ASL-99814*	T-Coupler with Ground Contact Left
ASL-985812*	2 Circuit Flexible Straight Coupler
ASL-99816*	X-Coupler
ASL-1986000060*	J-Box Cover
61-CF14JT120R	DMX Terminating Resistor 120 Ohm 1/4 Watt
ASL-99780*	Multi Adapter with DMX Terminator
ASL-99900*	End Cap
ASL-99507*	Mechanical Universal Adapter (1/2-inch) for loads up to 22 lbs. (10 kg)
61-0265	RAD (Remote Authorization Device) for Addressing Fixtures via RDM
TLA-CAT5DMX-*	CAT5 Data port for feeding DMX512 in or out of Smart Track
ST-PTO	Eutrac to PowerCON - Power Only Adapter (Black Only)
ST-PDTO	Smart Track to PowerCON / 5-Pin XLR - Power and DMX Adapter (Black Only)

Spackle Flange Recessed Mount

ASL-19850001000	Spackle Flange Profile for Recessed Track - 12.5 Feet (Field Cut to Length)
ASL-19800003600	End Cap for Spackle Flange Profile
ASL-19800003300**	Mechanical Straight Coupler for Spackle Flange Profile (3 required at each coupling)
ASL-19800003700***	Suspension Hanger
ASL-19800003400	Feed Fitting for Spackle Flange Profile
ASL-19850001600	L-Coupler for Spackle Flange Profile
ASL-19850001700	T-Coupler for Spackle Flange Profile
ASL-19850001800	X-Coupler for Spackle Flange Profile
ASL-19813000700	M4x4, Set Screw - Knurled Cup PT, Stainless Steel (spares)
ASL-19813000800	M5x16, Screw Pan Head, Stainless Steel (spares)

Note: All Spackle Flange Profile parts and accessories are provided in natural finish.

T-Bar Mount (Acoustic Ceiling)

ASL-198-50-0012-01	T-Bar Profile (track ordered separately)
ASL-198-00-0033-00	Mechanical Coupler (3 required per splice)
ASL-198-00-0034-00	Feed In Cap (1 required for each feed)
ASL-198-00-0035-01	End Cap (white)
ASL-198-00-0037-00	Suspension Hanger. (support cable supplied by others)
ASL-557-0-5321-0	Profile Snap Hanger (Six (6) per pack)

Notes:
* Add one of the following codes for track finish: 3-1 Silver, 2-2 Black, or 1-3 White. Some items are only available in color noted in their description. For colors other than white, consult factory before ordering.
** (3) couplers required at each coupling
*** (1) hanger recommended every 16 inches - (2) hangers required at each coupling.