SMARTrack System
Surface / Recessed 48V Track System

FEATURES

- 48V track system for intelligent track luminaires
- Low profile minimalistic track constructed of extruded aluminum in 4', 6' and 8' sections
- Recessed, surface, rigid or cable suspension mounting
- SMARTrack works with DALI, 0-10V or BLE (bluetooth) enabled track luminaires
- Field cuttable and drillable
- Mounting clips included with recessed track

LUMINAIRE COMPATIBILITY

The SMARTrack system is designed for use with SMARTrack compatible luminaires

CONSTRUCTION

- Low Profile extruded aluminium track

ELECTRICAL SYSTEM

- 48V, 25A max
- Heavy gauge copper power bus conductors
- Copper data bus conductors for 0-10V or DALI dimming systems
- Data information can be picked up anywhere along the track

FINISHES

- Available in either powder coat white or black

POWER SUPPLY
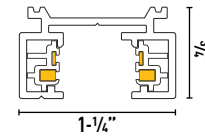
- UL Listed remote 48V power supply (See below options)

LISTING/WARRANTY

- UL Listed to US and Canadian Standards for Dry Locations.
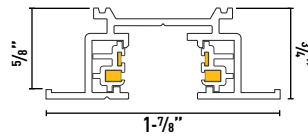- One (1) Year Limited Warranty

SMTS Track System

SMTR Recessed Track System

Note: Mounting clips included with (SMRT) recessed track

Remote Distance Guide For 48V Power Supply

Distance	Wire Gauge (Awg)
150ft	12AWG Feed
100ft	14AWG Feed
40ft	18AWG Feed

Example: SMTS048-2

Track Type	Length (Nominal)	Finish
SMTS (Surface Track)	**048** (4')	**-2** (Black)
SMTR (Recessed Track)	**072** (6')	**-3** (White)
	096 (8')	

48V Remote Power Supply:

RA48-75W (1x 75W, 70W max. per channel; RA48-75W Spec Sheet)

RA48-200W (2x 100W, 95W max. per channel; RA48-200W Spec Sheet)
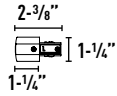
SMARTrack Diagram

Data (-)   Data (+)
48 Vdc (-)   48 Vdc (+)

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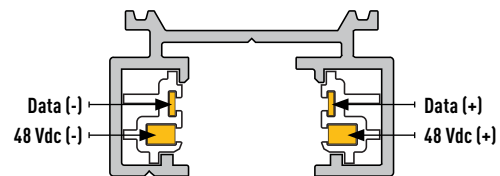
SMARTrack System
SMARTrack 48V Power Feeds

Live End Feed, Left

SMT210L-2	(Black)
SMT210L-3	(White)

2-3/8"
1-1/4"
1-1/4"

Live End Feed, Right

SMT210R-2	(Black)
SMT210R-3	(White)

Live End Conduit Feed, Left

SMT211L-2[1]	(Black)
SMT211L-3[1]	(White)

3-5/8"
1-1/4"
2-1/2"
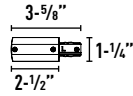
Live End Conduit Feed, Right

SMT211R-2[1]	(Black)
SMT211R-3[1]	(White)

Straight Connector
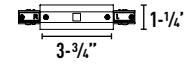
SMT241-2[1]	(Black)
SMT241-3[1]	(White)

1-1/4"
3-3/4"

L-Connector, Left

SMT242L-2[1]	(Black)
SMT242L-3[1]	(White)

L-Connector, Right

SMT242R-2[1]	(Black)
SMT242R-3[1]	(White)

2-1/2"
2-1/2"

T-Connector, Left 1

SMT243L1-2[1]	(Black)
SMT243L1-3[1]	(White)

T-Connector, Left 2

SMT243L2-2[1]	(Black)
SMT243L2-3[1]	(White)

2-1/2"
3-3/4"

T-Connector, Right 1

SMT243R1-2[1]	(Black)
SMT243R1-3[1]	(White)

T-Connector, Right 2

SMT243R2-2[1]	(Black)
SMT243R2-3[1]	(White)

2-1/2"
3-3/4"
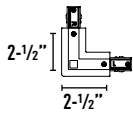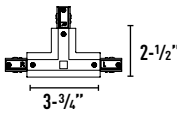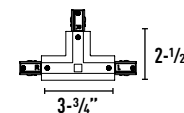
Note:
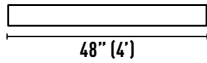1. 1/2˝ KO feedable and stem mount
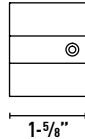

SMARTrack System
SMARTrack 48V Track Recessed Covers

Recessed Track Cover for SMTR Recessed Track
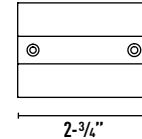Can be used with surface, pendant and recessed SMARTrack. Track cover are Field cut-able

5/8"
48" (4')

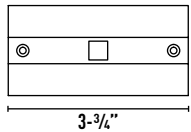|	
SMTC048-2	(Black)
SMTC048-3	(White)

Recessed End Feed Cover

SMTC210-2	(Black)
SMTC210-3	(White)

1-5/8"

Recessed Conduit End Feed Cover

SMTC211-2	(Black)
SMTC211-3	(White)

2-3/4"

Recessed Stright Cover

SMTC241-2	(Black)
SMTC241-3	(White)

3-3/4"
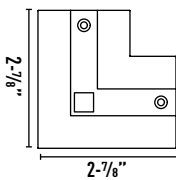
Recessed L Cover

SMTC242-2	(Black)
SMTC242-3	(White)

2-7/8"
2-7/8"
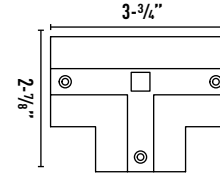
Recessed T Cover

SMTC243-2	(Black)
SMTC243-3	(White)

3-3/4"
2-7/8"
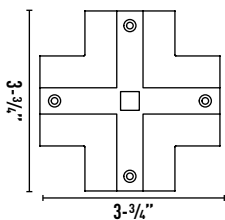
Recessed X Cover

SMTC244-2	(Black)
SMTC244-3	(White)

3-3/4"
3-3/4"

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SMARTrack System
SMARTrack 48V Track Connections

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

POLARITY GROOVE

Neutral is indicated on the track by a groove placed along the surface of the track. The track connectors show neutral polarity line on the connectors.
Polarity line on track must line up with polarity line on the connector. Note: For isolated connector simply pull conductors.

Track ←→ Polarity Grove
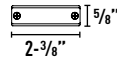
←— Polarity Grove

SMT211
Live End
Conduit Feed

Track ←→ Polarity Grove

←— Polarity Grove

SMT243
T-Connector

Track ←→ Polarity Grove

←— Polarity Grove

SMT244
X-Connector

- - - Circuit Path
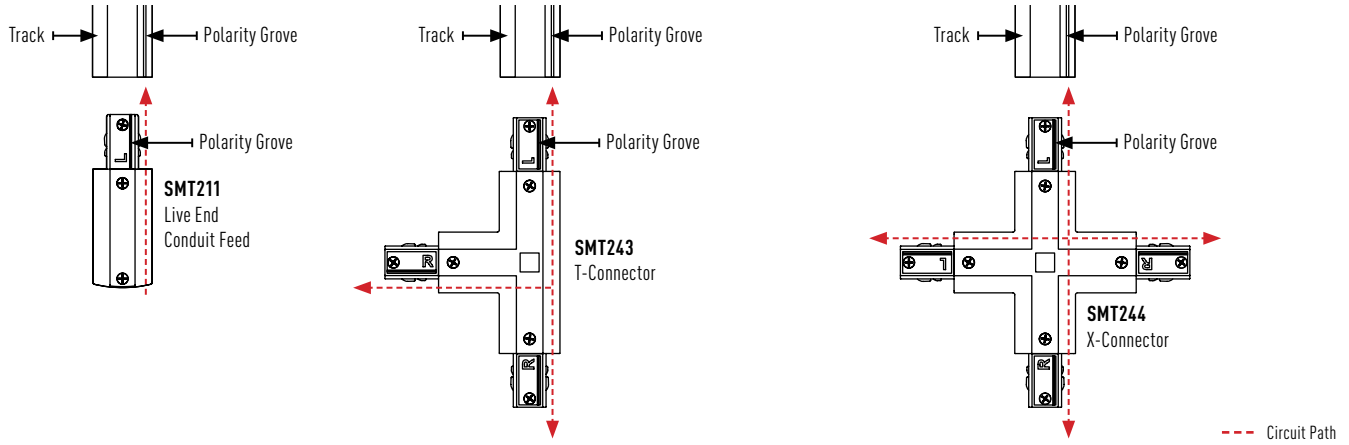
SMARTrack End Cap

SMT220-2	(Black)
SMT220-3	(White)

3/4"
1-1/4"

Mini Connector

SMT230-2	(Black)
SMT230-3	(White)

5/8"
2-3/8"

Mini Connector With Stopper

SMT232-2	(Black)
SMT232-3	(White)

1-1/4"
2-3/8"
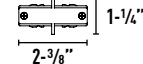
ISO Mini Connector With Stopper

SMT233-2	(Black)
SMT233-3	(White)

1-1/4"
2-3/8"
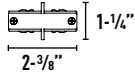
Flex Connector

SMT240-2[3]	(Black)
SMT240-3[3]	(White)
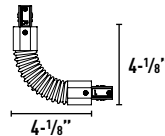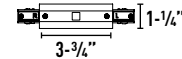
4-1/8"
4-1/8"

Straight Connector

SMT241-2[1]	(Black)
SMT241-3[1]	(White)

1-1/4"
3-3/4"

L-Connector, Left

SMT242L-2[1]	(Black)
SMT242L-3[1]	(White)

L-Connector, Right

SMT242R-2[1]	(Black)
SMT242R-3[1]	(White)

2-1/2"
2-1/2"

T-Connector, Left 1

SMT243L1-2[1]	(Black)
SMT243L1-3[1]	(White)

T-Connector, Left 2

SMT243L2-2[1]	(Black)
SMT243L2-3[1]	(White)

2-1/2"
3-3/4"

T-Connector, Right 1

SMT243R1-2[1]	(Black)
SMT243R1-3[1]	(White)

T-Connector, Right 2

SMT243R2-2[1]	(Black)
SMT243R2-3[1]	(White)

2-1/2"
3-3/4"
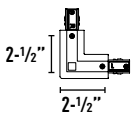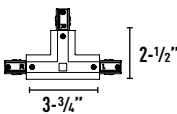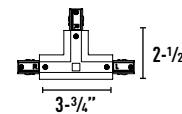
X-Connector

SMT244-2[2,3]	(Black)
SMT244-3[2,3]	(White)

3-3/4"
3-3/4"
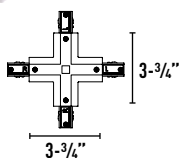
Angle Adjustable Connector, 60° - 300°

SMT245-2[3]	(Black)
SMT245-3[3]	(White)

2-1/2"
2-1/2"
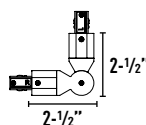
Note:
1. 1/2" KO feedable and stem mount
2. 1/2" KO for stem mount only (not feedable)
3. No Power Feed

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SMARTrack System
SMARTrack 48V Track Mounting

*Maximum 4ft Spacing Between Mounts

Clamp Mount, Ceiling Mount or ¼-20 Rod (includes 2x ¼-20 Nuts)

SMTM130-2 (Black)
SMTM130-3 (White)

½"
1-⁵/₈"
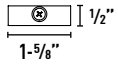
Clamp Mount, 15/16" T-Bar clip

SMTM140-2 (Black)
SMTM140-3 (White)
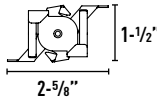
Clamp Mount, 9/16" T-Bar clip
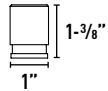
SMTM141-2 (Black)
SMTM141-3 (White)

1-½"
2-⁵/₈"

Clamp Mount, Threaded Coupler 3/8-18 Stem
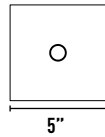
SMTM142-2 (Black)
SMTM142-3 (White)

1-¼"
1-⁵/₈"
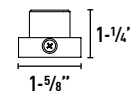
Threaded Coupler 3/8-18 Support Accessory (For L, T, X, Straight & Conduit End Feed)

SMTM150-2 (Black)
SMTM150-3 (White)

1-³/₈"
1"

Ceiling Mount J-Box Cover

SMTC300-2 (Black)
SMTC300-3 (White)

5"

Field Adjustable 48" Stem With Swivel Canopy, 3/8-18"; Slope Ceiling / CA Seismic

SMTM400-48-2 (Black)
SMTM400-48-3 (White)

1-³/₈"
5"
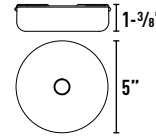
Low Profile 48" Fixed Stem & Canopy, 3/8-18"; Factory Adjustable.

SMTM401-48-2[1] (Black)
SMTM401-48-3[1] (White)

1-¼"
5"

Note:

1. Shallow canopy with rigid stem connection shall be used in jurisdictions that DO NOT require light fixtures to freely swing in lateral directions, complying with local and national building codes.

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SMARTrack System
SMARTrack 48V Track Mounting

Track Mounting Options (Examples: SMTM100-2)
*Maximum 4ft Spacing Between Mounts

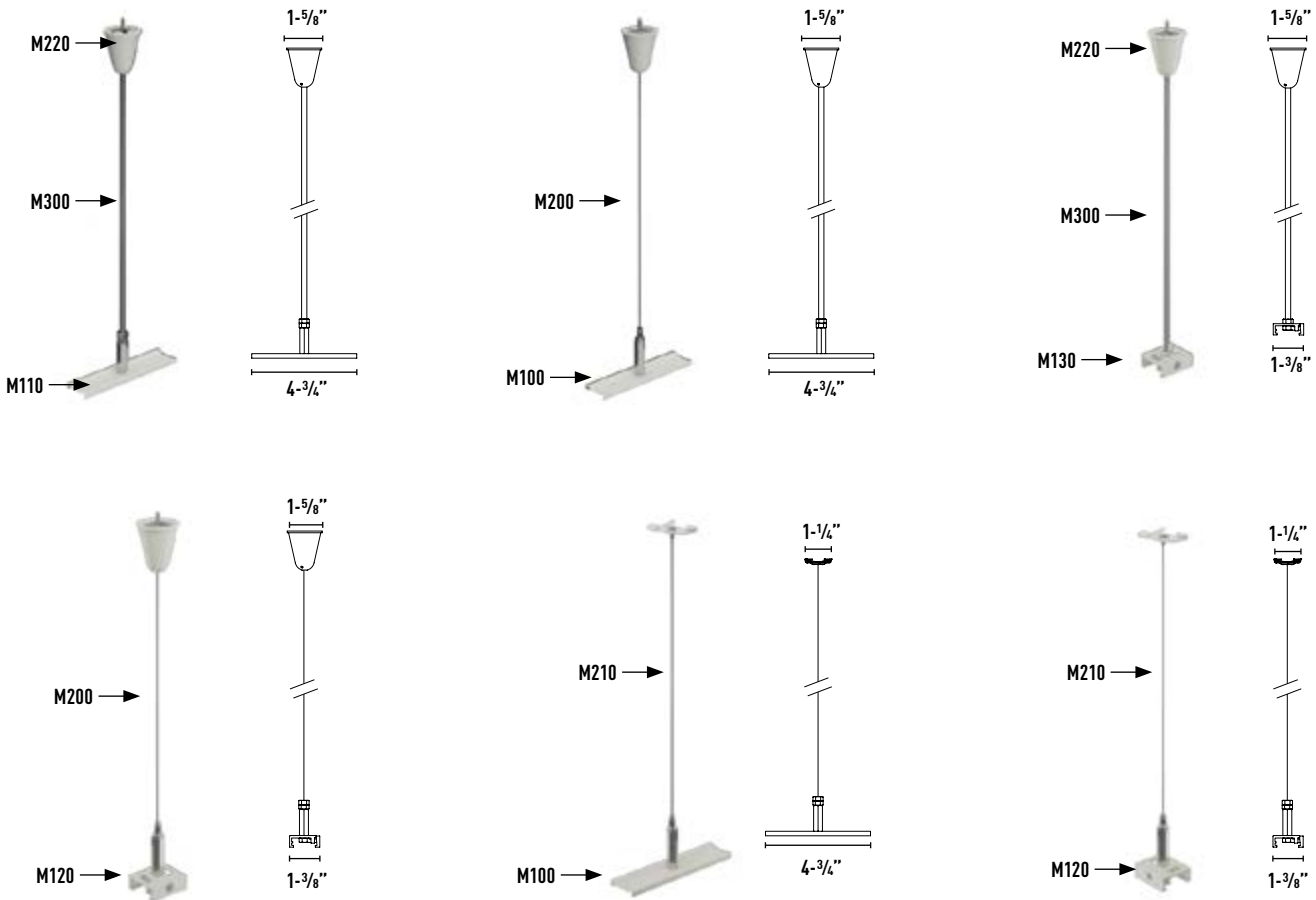| Base	Mounting Options		Finish
SMT SMARTrack	**M100**	Low Profile Slide-on mount, with Cable Gripper	**-2** (Black)
	M110	Low Profile Slide-on mount, with ¼-20 Coupler	**-3** (White)
	M120	Clamp mount, with Cable Gripper	
	M130	Clamp mount, Ceiling Mount or ¼-20 Rod	**Note:**
		(includes 2x ¼-20 Nuts)	**1.** No finish option for rigid rod
	M140	Clamp mount, $^{15}/_{16}$" T-Bar clip	
	M141	Clamp mount, $^{9}/_{16}$" T-Bar clip	
	M200	Ceiling Cup Aircraft Cable Kit (Includes 10' Aircraft Cable)	
		(includes 10ft aircraft cable)	
	M210	T-Bar aircraft cable kit	
		(includes 10ft aircraft cable, with $^{15}/_{16}$" and $^{9}/_{16}$" clips)	
	M220	Ceiling Cup (for ¼-20 Rod)	
	M300[1]	4ft ¼-20 threaded Rod (includes coupler)	

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SMARTrack System
SMARTrack 48V Track Mounting

Track Mounting Options (Examples: SMTM100-2)
*Maximum 4ft Spacing Between Mounts

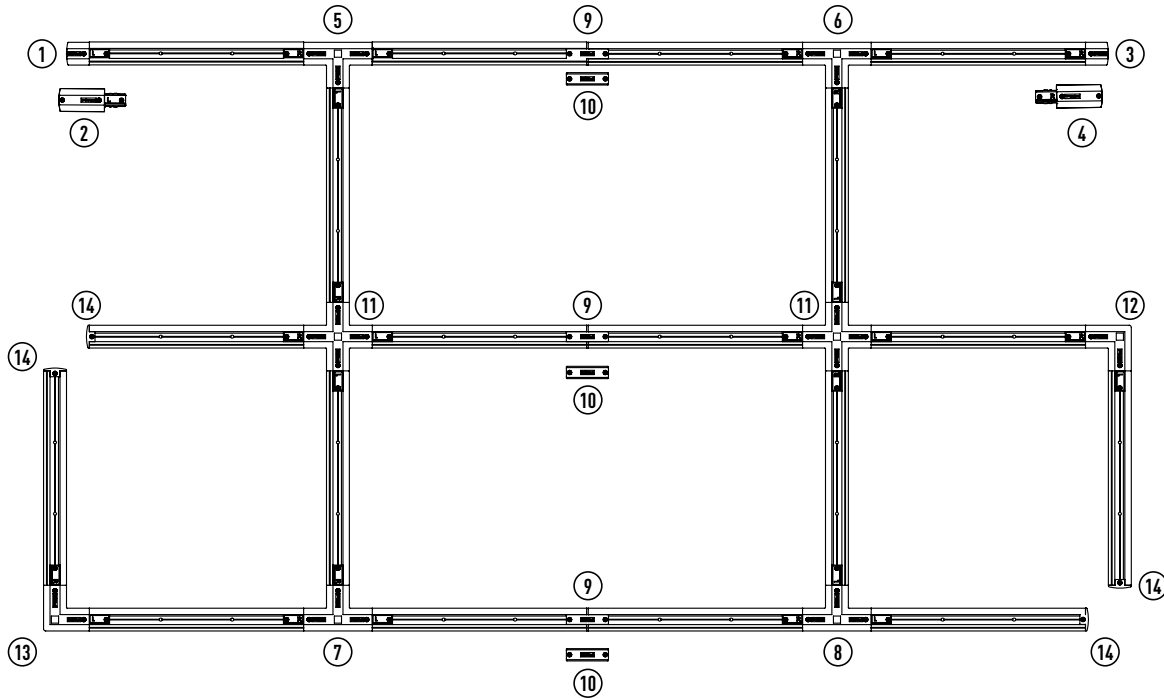| Base		Mounting Options		Finish
SMT	SMARTrack	**M140**	T-Bar EZclick Caddy To Track 15/16 T-Bar	**-2** (Black)
		M141	T-Bar EZclick Caddy To Track 9/16 T-Bar	**-3** (White)
		M142	Clamp Mount, Threaded Coupler 3/8-18 Stem	
		M150	Threaded Coupler 3/8-18 Support Accessory (For L, T, X, Straight And Conduit End Feed)	
		M400-48	Field Adjustable 48" Stem With Swivel Canopy, 3/8-18"; Slope Ceiling / CA Seismic.	
		M401-48[2]	Low Profile 48" Fixed Stem And Canopy, 3/8-18"; Factory Adjustable.	
		C300	Ceiling Mount J-Box Cover	

Note:
1. No finish option for ¼-20 rigid rod
2. Shallow canopy with rigid stem connection shall be used in jurisdictions that DO NOT require light fixtures to freely swing in lateral directions, complying with local and national building codes.

M400-48
M142
1-5/8" 1-5/8"

M400-48
M150
211L, 211R
1-1/4" 2-1/2"

M400-48
M150
241
3-3/4" 3-3/4"

M400-48
M150
242L, 242R
2-1/2" 2-1/2"

M400-48
M150
243L1, 243L2
243R1, 243R2
3-3/4" 3-3/4"

M400-48
M150
244
3-3/4" 3-3/4"

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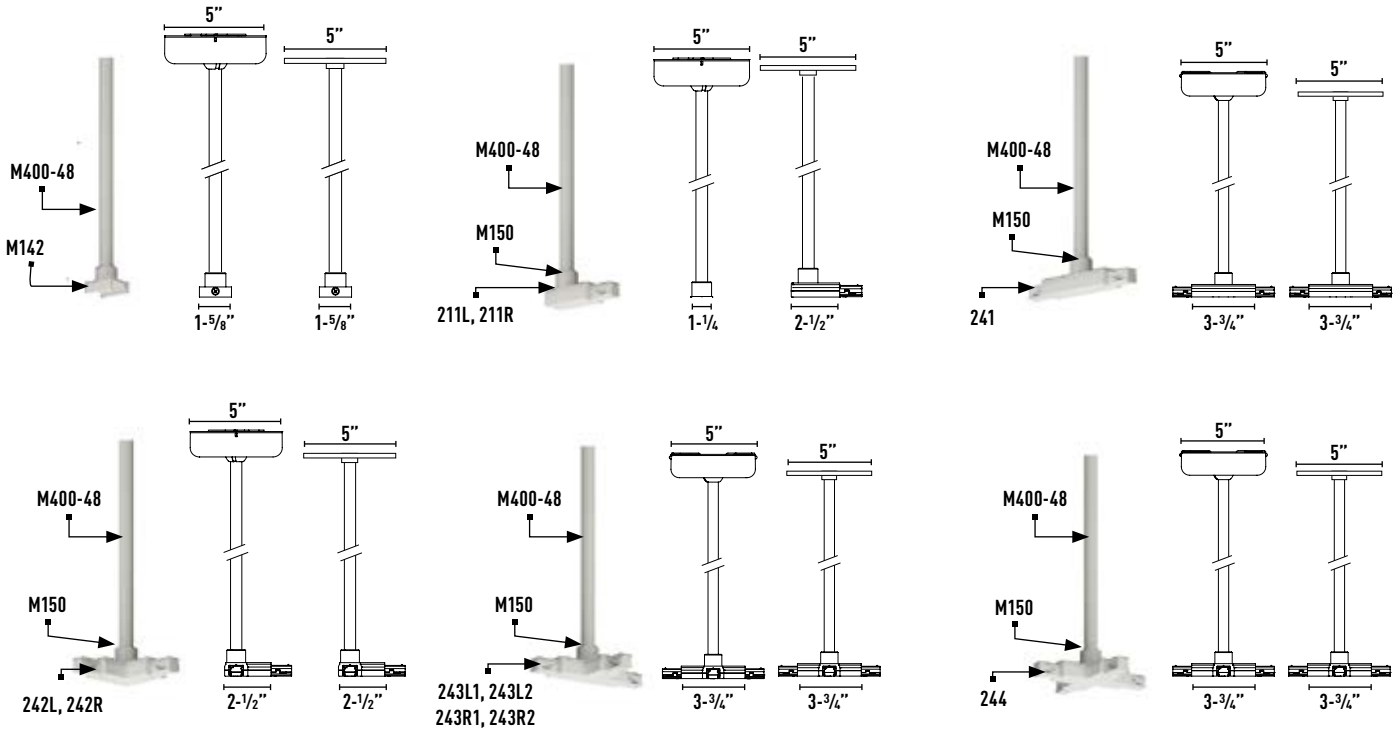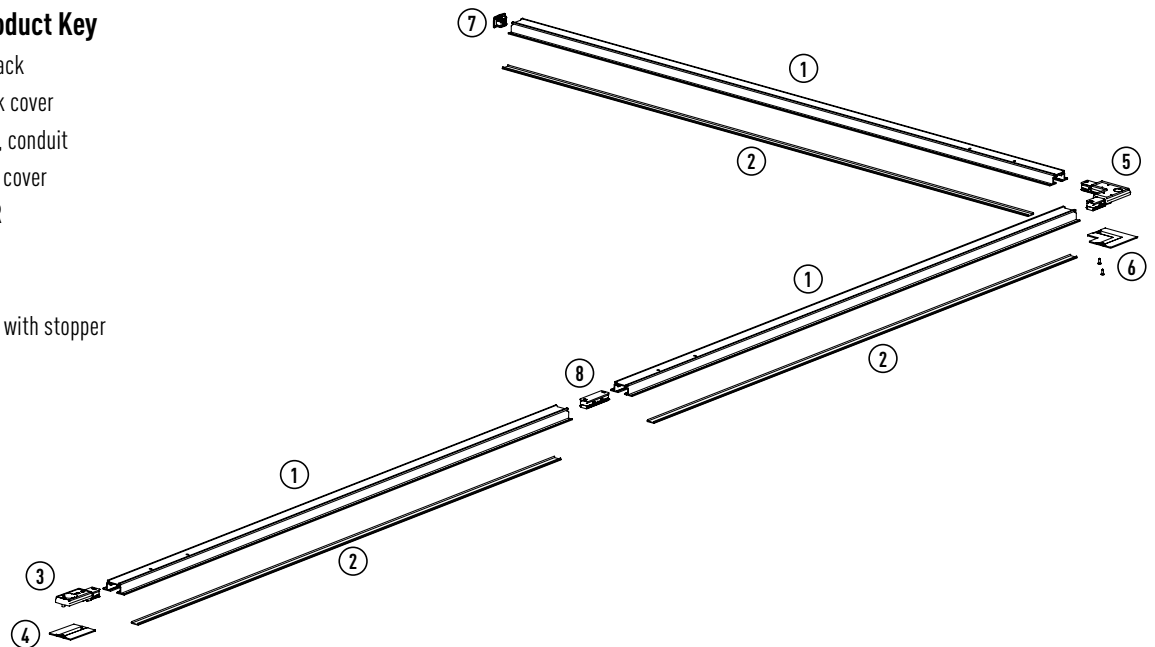
SMARTrack System
Design Guide: Surface & Recessed Track

Surface Mount - Product Key

1. 1 x SMT210L, live end feed
2. OPTIONAL: 1 x SMT211L, conduit feed
3. 1 x SMT-210R, live end feed
4. OPTIONAL: 1 x SMT211R, conduit feed
5. 1 x SMT243R2, T connector, R2
6. 1 x SMT243L2, T connector, L2
7. 1 x SMT243L1, T connector, L1

8. 1 x SMT243R1, T connector, R1
9. 3 x SMT232/233, mini connector with stopper
10. OPTIONAL: 3 x SMT-230, mini connector
11. 2 x SMT244, X connector
12. 1 x SMT242R, L connector, R
13. 1 x SMT242L, L connector, L
14. 4 x SMT220, end cap

Recessed Mount Track - Product Key

1. 3 x SMTR048, recessed SMARTrack
2. 7 x SMTC048, cut to length track cover
3. 1 x SMT211 L/R, power end feed, conduit
4. 1 x SMTC211, recessed end feed cover
5. 1 x SMT242L/R, L connector, L/R
6. 1 x SMTC242, recessed L cover
7. 1 x SMT220, end cap
8. 1 x SMT232/233, mini connector with stopper

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