

POWERTrack

Surface Mounted
120/277V



Lighting Services Inc



SURFACE POWERTrack • SPECIFICATIONS

GENERAL POWERTrack shall allow fixtures to be located anywhere along the track length. Fixtures shall be easily focused, switched, dimmed, accessorized and removed as desired. Track system shall have a twelve year warranty from date of shipment.

MECHANICAL LightingTrack shall be constructed of .070 (2mm) extruded aluminum with overall height of 1.42 (36mm) and overall width of 1.812 (46mm). Track shall have same overall dimensions and physical appearance for both one and two circuit models.

Track shall be available in nominal 4 foot (1.2m), 8 foot (2.4m), and 12 foot (3.7m) lengths, in Silver, Black, and White high temperature baked paint finish. Track shall be field cuttable to any length with a single flush cut.

Track system shall be available with End Feed, End Cap, Straight Mini-Joiner, Straight Joiner/Feeder, X Joiner/Feeder, L Joiner/Feeder, and T Joiner/Feeder as standard components.

Track shall have the ability to be directly surface mounted. Track shall have pre-punched mounting slots for direct mounting to any surface. Track shall have the ability to: be mounted 1/2 inch (13mm) from a surface by extruded aluminum mounting clips, be suspended from a surface by a field cuttable stainless steel cable system, be suspended from a surface by a field cuttable steel stem system, and be mounted into UniTrack/Gemini housing.

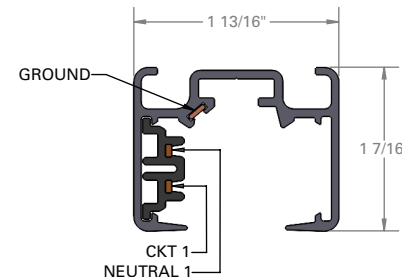
ELECTRICAL LightingTrack and components shall be ETL listed, CE Certified, and comply with the National Electric Code standards for LightingTrack. One and two circuit Lighting Track shall be rated for 120/250V or 277V at 50/60 Hz. 20 amp maximum each circuit. Each circuit shall be comprised of flat copper busbars and have a separate neutral busbar for each circuit. **Track shall have integral wiring channels for four (4) additional #12THHN wire. This shall allow the creation of two (2) additional 20 amp circuits, which can be dropped into any Joiner/Feeder, for a total track power capacity of 80 amps.** All busbars shall be insulated to prevent contact with aluminum extrusion.

Track shall have electric feed capability through all Joiner/Feeders (except Mini-Joiner) using either 1/2" or 3/4" U.S. trade size knock-outs (.875 diameter [22mm] or 1.125 diameter [29mm]). All Joiner/Feeder circuits can be easily field modified by changing connector locations. All Joiner/Feeders shall be available in Black, White, and Silver GE fiber reinforced Lexan

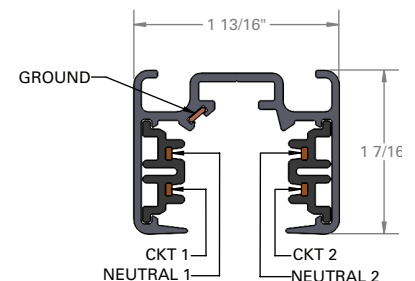
One and two circuit LightingTrack with separate neutral busbars shall have the ability to have each circuit separately dimmed as required when using standard voltage and low voltage fixtures with either magnetic or electronic transformers. Track shall have the ability to be dimmed or switched in selected sections in addition to dimming or switching an entire track configuration or track run.

FIXTURE FITTING INTERFACE Track shall accept GE fiber reinforced Lexan™ fixture fittings which positively lock into track and cannot be energized by the integral switch until safety interlock handle is in the closed position. Safety interlock shall also prevent fixture fitting removal from track unless the switch is in the "off" position. Upon insertion of fixture fitting into track, grounding connection from fixture fitting to track shall be automatically completed before any electrical contact is made with busbars. When removing fixture fitting from track, the grounding connection shall automatically be disconnected last. The fixture fitting shall recess into the track, creating a minimal profile below the track.

One Ckt 120/250V POWERTrack

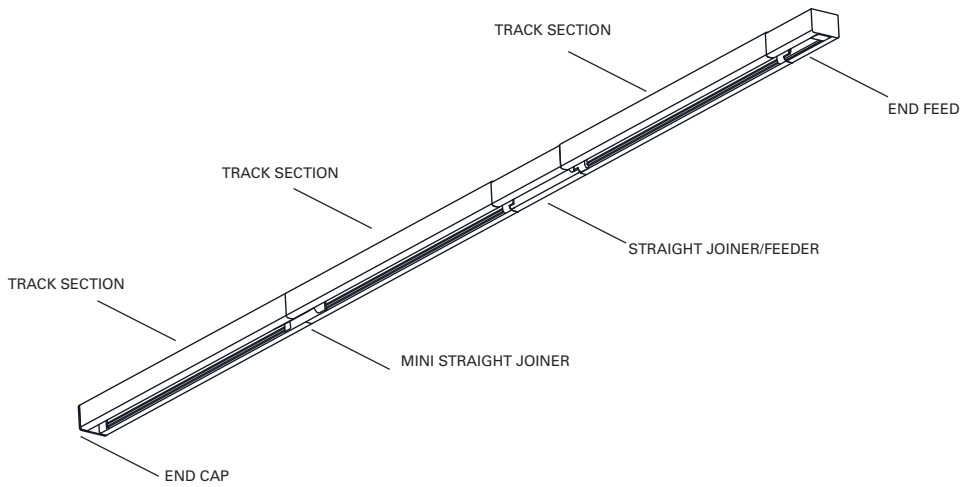


Two Ckt 120/250V POWERTrack

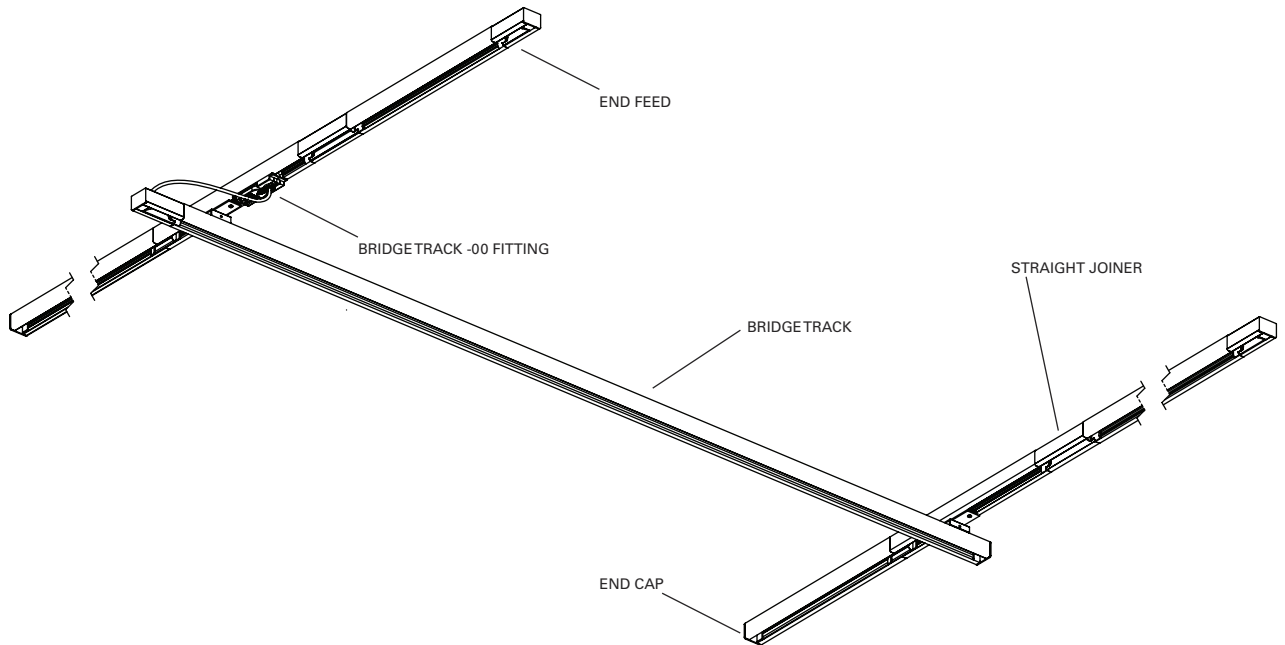


SURFACE POWERTrack • CONFIGURATIONS

Straight Run Application (One/Two Circuit)



Bridge Track Application (One Circuit)



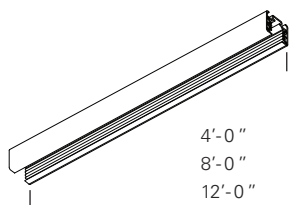
SURFACE

SURFACE POWERTrack • COMPONENTS

Key Features / Applications

ETL listed, Dry Location • IBEW union made at LSI plant in USA • Specification grade heavy duty .070 (2mm) extruded aluminum track • 4 foot (1.2m), 8 foot (2.4m) and 12 foot (3.7m) field cuttable lengths • One circuit 20 amp or two circuit 40 amp capacity/120/250 volt • 80 amp total capacity when using integral wireways • Copper busbars equivalent to #12 AWG wire used as circuit • Separate neutral track conductor used for each circuit • Black, White, and Silver finishes • All Joiner/Feeders, Mini-Joiners, End Feeds and End Caps are injection molded of GE fiber reinforced Lexan™ • All Joiner/Feeders are easily wired via plug-in connector system • All Joiner/Feeder circuits can be easily field modified by changing connector locations • Fixture fitting recesses into track for minimum profile • LSI surface track can be mounted directly to any surface at least 5'-0" above finished floor.

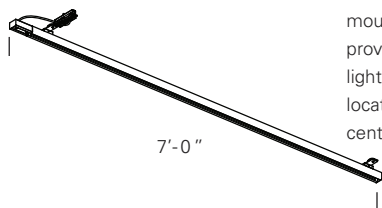
Surface Track Sections



Surface Track Sections are used in conjunction with an end feed, end cap and a variety of Joiner/Feeders to form track runs and configurations. Track section lengths are actual 4 foot (1.2m), 8 foot (2.4m), and 12 foot (3.7m) which are field cuttable.

| Part Number | | |
|--|--|-----------------------------------|
| One Circuit | TRK-SP-XX1-YYYY | |
| Two Circuit | TRK-SP-XX2-YYYY | |
| XX=Length | YYY=Voltage | Z=Paint Color |
| <input type="checkbox"/> 04=4ft Track | <input type="checkbox"/> 120=120V | <input type="checkbox"/> B=Black |
| <input type="checkbox"/> 08=8ft Track | <input type="checkbox"/> 230=220V-240V | <input type="checkbox"/> W=White |
| <input type="checkbox"/> 12=12ft Track | <input type="checkbox"/> 277=277V | <input type="checkbox"/> S=Silver |

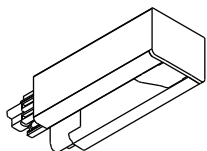
Bridge Track



Bridge Track (7 feet) is a complete, portable, field cuttable, surface track system that mechanically and electrically mounts to and spans parallel runs of LSI track. Bridge Track provides an additional range of striking angles for track lighting fixtures or for centering a fixture over a target located between parallel runs of track up to 6 foot (1.8m) on center.

| Part Number | | |
|--------------------|--|-----------------------------------|
| One Circuit | TRK-SP-BT1-YYYY | |
| | YYY=Voltage | Z=Paint Color |
| | <input type="checkbox"/> 120=120V | <input type="checkbox"/> B=Black |
| | <input type="checkbox"/> 230=220V-240V | <input type="checkbox"/> W=White |
| | <input type="checkbox"/> 277=277V | <input type="checkbox"/> S=Silver |

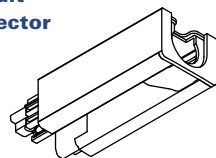
End Feed



End Feed is used in conjunction with a Canopy Kit for top feeding from a recessed outlet box and can also be top fed directly with cable.

| Part Number | | |
|---------------------------|--|-----------------------------------|
| One Circuit, Left | TRK-SP-EF1L-YYYY | |
| One Circuit, Right | TRK-SP-EF1R-YYYY | |
| Two Circuit | TRK-SP-EF2-YYYY | |
| | YYY=Voltage | Z=Paint Color |
| | <input type="checkbox"/> 120=120V | <input type="checkbox"/> B=Black |
| | <input type="checkbox"/> 230=220V-240V | <input type="checkbox"/> W=White |
| | <input type="checkbox"/> 277=277V | <input type="checkbox"/> S=Silver |

End Feed for Conduit Connector

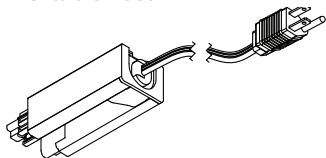


End Feed for Conduit Connector is used when feeding directly into the end of an End Feed. Connector supplied with 1/2" US trade size hole (.875 diameter [22mm]).

| Part Number | | |
|---------------------------|--|-----------------------------------|
| One Circuit, Left | TRK-SP-EFC1L-YYYY | |
| One Circuit, Right | TRK-SP-EFC1R-YYYY | |
| Two Circuit | TRK-SP-EFC2-YYYY | |
| | YYY=Voltage | Z=Paint Color |
| | <input type="checkbox"/> 120=120V | <input type="checkbox"/> B=Black |
| | <input type="checkbox"/> 230=220V-240V | <input type="checkbox"/> W=White |
| | <input type="checkbox"/> 277=277V | <input type="checkbox"/> S=Silver |

SURFACE POWERTrack • COMPONENTS

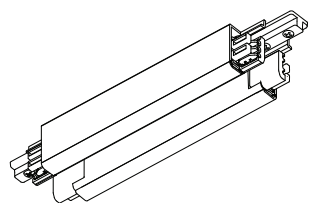
Portable Feed



Portable Feed is used when a portable or temporary track hookup is desired. Supplied with 15 foot #16 AWG-10 Amp/125 Volt 3 wire flexible cord with NEMA 5-15P grounding plug.

| Part Number | |
|-----------------------------------|---------------------------|
| One Circuit, Left | TRK- SP-EFP1L-120Z |
| One Circuit, Right | TRK- SP-EFP1R-120Z |
| Z=Paint Color | |
| <input type="checkbox"/> B=Black | |
| <input type="checkbox"/> W=White | |
| <input type="checkbox"/> S=Silver | |

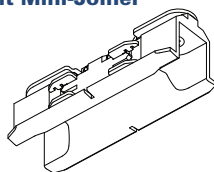
Straight Joiner/Feeder



Straight Joiner/Feeder is used to mechanically and electrically couple any two lengths of track in a straight line. Straight Joiner/Feeder can also be top fed to energize the track from a recessed junction box when used in conjunction with appropriate Canopy Kit or can be top fed directly with cable or conduit.

| Part Number | |
|--|-------------------------|
| One Circuit | TRK- SP-SJ1-YYYY |
| Two Circuit | TRK- SP-SJ2-YYYY |
| YYY=Voltage | |
| <input type="checkbox"/> 120=120V | |
| <input type="checkbox"/> 230=220V-240V | |
| <input type="checkbox"/> 277=277V | |
| Z=Paint Color | |
| <input type="checkbox"/> B=Black | |
| <input type="checkbox"/> W=White | |
| <input type="checkbox"/> S=Silver | |

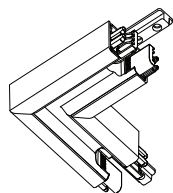
Straight Mini-Joiner



Straight Mini-Joiner is used to mechanically and electrically couple any two lengths of track in a straight line. Not for use as feeder.

| Part Number | |
|--|------------------------|
| One Circuit | TRK- SP-MJ1-YYY |
| Two Circuit | TRK- SP-MJ2-YYY |
| YYY=Voltage | |
| <input type="checkbox"/> 120=120V | |
| <input type="checkbox"/> 230=220V-240V | |
| <input type="checkbox"/> 277=277V | |

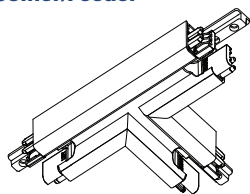
L Joiner/Feeder



L Joiner/Feeder is used to mechanically and electrically couple any two lengths of track in an L right angle configuration. This L Joiner/Feeder can also be top fed directly from electrical cable to energize the track. Internal joiner wiring can be modified in the field.

| Part Number | |
|--|-------------------------|
| One Circuit | TRK- SP-LJ1-YYYY |
| Two Circuit | TRK- SP-LJ2-YYYY |
| YYY=Voltage | |
| <input type="checkbox"/> 120=120V | |
| <input type="checkbox"/> 230=220V-240V | |
| <input type="checkbox"/> 277=277V | |
| Z=Paint Color | |
| <input type="checkbox"/> B=Black | |
| <input type="checkbox"/> W=White | |
| <input type="checkbox"/> S=Silver | |

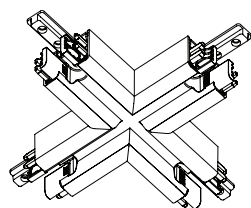
T Joiner/Feeder



T Joiner/Feeder is used to mechanically and electrically couple any three lengths of track in a T configuration. This T Joiner/Feeder can also be top fed directly from electrical cable to energize the track. Internal Joiner wiring can be field modified. Note: A right or a left T must be ordered and must be used directly opposite each other when used in a configuration so that busbar continuity is maintained.

| Part Number | |
|--|--------------------------|
| One Circuit, Left | TRK- SP-TJ1L-YYYY |
| One Circuit, Right | TRK- SP-TJ1R-YYYY |
| Two Circuit | TRK- SP-TJ2-YYYY |
| YYY=Voltage | |
| <input type="checkbox"/> 120=120V | |
| <input type="checkbox"/> 230=220V-240V | |
| <input type="checkbox"/> 277=277V | |
| Z=Paint Color | |
| <input type="checkbox"/> B=Black | |
| <input type="checkbox"/> W=White | |
| <input type="checkbox"/> S=Silver | |

X Joiner/Feeder

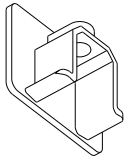


X Joiner/Feeder is used to mechanically and electrically couple any four lengths of track in an X configuration. This X Joiner/Feeder can also be top fed directly from electrical cable to energize the track. Internal joiner wiring can be modified in the field.

| Part Number | |
|--|-------------------------|
| One Circuit | TRK- SP-XJ1-YYYY |
| Two Circuit | TRK- SP-XJ2-YYYY |
| YYY=Voltage | |
| <input type="checkbox"/> 120=120V | |
| <input type="checkbox"/> 230=220V-240V | |
| <input type="checkbox"/> 277=277V | |
| Z=Paint Color | |
| <input type="checkbox"/> B=Black | |
| <input type="checkbox"/> W=White | |
| <input type="checkbox"/> S=Silver | |

SURFACE POWERTrack • COMPONENTS

End Cap



End Cap is used for mechanically ending any straight run, individual Track Section, or open configuration Track Section.

| Part Number | |
|---------------------|--|
| All Circuits | TRK-S-AC-EC-Z |
| | Z=Paint Color <input type="checkbox"/> B=Black <input type="checkbox"/> W=White <input type="checkbox"/> S=Silver |

Current Limiter

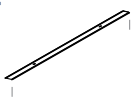


LSI Track Current Limiters integrate directly into one to two circuit runs. Available in the following amperages: 0.5 AMP (60 Watts), 1 AMP (120 Watts), 1.5 AMP (180 Watts), 2 AMP (240 Watts), 2.5 AMP (300 Watts), 3 AMP (360 Watts), 5 AMP (600 Watts), 8 AMP (960 Watts), 12 AMP (1440 Watts).

California Energy Commission (CEC) approved and Title 24 compliant.

| Part Number | |
|---|-----------------------------------|
| One Circuit | TRK-SP-TCL1-XXX-120Z |
| Two Circuit | TRK-SP-TCL2-XXX-XXX-120Z |
| XXX =Amps | Z=Paint Color |
| <input type="checkbox"/> 0.5=0.5 AMPS <input type="checkbox"/> 1.0=1.0 AMPS | <input type="checkbox"/> B=Black |
| <input type="checkbox"/> 1.5=1.5 AMPS <input type="checkbox"/> 2.0=2.0 AMPS | <input type="checkbox"/> W=White |
| <input type="checkbox"/> 2.5=2.5 AMPS <input type="checkbox"/> 3.0=3.0 AMPS | <input type="checkbox"/> S=Silver |
| <input type="checkbox"/> 5.0=5.0 AMPS <input type="checkbox"/> 8.0=8.0 AMPS | |
| <input type="checkbox"/> 12.0=12.0 AMPS | |

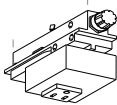
Raceway Cover



Field cuttable Raceway Covers are used to enclose additional lay-in circuit wiring in top section of track.

| Part Number | |
|---------------------|---|
| All Circuits | TRK-S-AC-RCZZ-S |
| | ZZ=Length <input type="checkbox"/> 04=4ft Track <input type="checkbox"/> 08=8ft Track <input type="checkbox"/> 12=12ft Track |

Power Receptacle Adapter



120/250V Power Receptacle Adapter provides a convenient switched and fused U-Ground receptacle for power and is rated at 5A-120V. ETL listed.

| Finish | | Part Number |
|--------|---------------|--------------|
| Black | One & Two Ckt | 31260 |
| White | One & Two Ckt | 31360 |
| Silver | One & Two Ckt | 31160 |

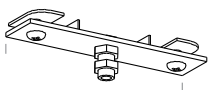
Display Hook



Display Hook is used to mechanically hang an item from the track without electrifying it. Do not exceed 20 lbs. at minimum spacing of two feet.

| Finish | | Part Number |
|--------|---------------|--------------|
| Silver | One & Two Ckt | 30761 |

Weight Support Bar



Weight Support Bar provides threaded nipple and nuts to mount an item to track without electrifying it. Do not exceed 20 lbs. at minimum spacing of two feet. Nipple size 1/8-27 NPS (.406 diameter).

| Finish | | Part Number |
|--------|---------------|--------------|
| Silver | One & Two Ckt | 30762 |

Track Closure Cover

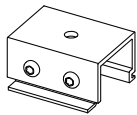


Field cuttable Noryl Track Closure Covers are used to enclose the open face of the track, and simply snap into place.

| Part Number | |
|---------------------|--|
| All Circuits | TRK-S-AC-TC12-Z |
| | Z=Paint Color <input type="checkbox"/> B=Black <input type="checkbox"/> W=White <input type="checkbox"/> S=Silver |

SURFACE POWERTrack • COMPONENTS

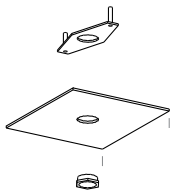
Surface Hanger Clip



Extruded Surface Hanger Clips space track .50" (13mm) from a surface to create a floating look or when mounting to an uneven surface. For normal usage, LSI recommends two hanger clips per 4 foot (1.2m) length, two hanger clips per 8 foot (2.4m) length, and three hanger clips per 12 foot (3.7m) length. Two clips per package. ¼" diameter hole.

| Finish | | Part Number |
|--------|---------------|-------------|
| Black | One & Two Ckt | 30225 |
| White | One & Two Ckt | 30325 |
| Silver | One & Two Ckt | 30025 |

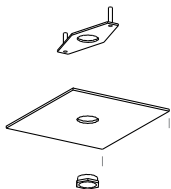
Flush Canopy Kit for End Feed



The canopy kit for End Feed is used when flush mounting track to a surface and feeding from a recessed outlet box.

| All Circuits | Part Number |
|--------------|-----------------------------------|
| | TRK-S-AC-CKE-Z |
| | Z=Paint Color |
| | <input type="checkbox"/> B=Black |
| | <input type="checkbox"/> W=White |
| | <input type="checkbox"/> S=Silver |

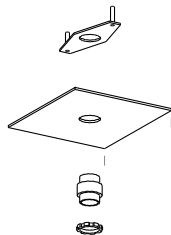
Flush Canopy Kit for Straight Joiner



The canopy kit for Straight Joiner/Feeder is used when flush mounting track to a surface and feeding from a recessed outlet box.

| All Circuits | Part Number |
|--------------|-----------------------------------|
| | TRK-S-AC-CKS-Z |
| | Z=Paint Color |
| | <input type="checkbox"/> B=Black |
| | <input type="checkbox"/> W=White |
| | <input type="checkbox"/> S=Silver |

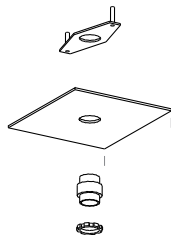
Canopy Kit for End Feed when using Surface Hanger Clips



The Canopy Kit for End Feed is required when using Surface Hanger Clips to enclose wiring to track End Feed which is spaced .50 (13mm) from recessed outlet box/recessed outlet box.

| Finish | | Part Number |
|--------|---------------|-------------|
| Black | One & Two Ckt | 30226 |
| White | One & Two Ckt | 30326 |
| Silver | One & Two Ckt | 30026 |

Canopy Kit for Straight Joiner/Feeder when using Surface Hanger Clips



The Canopy Kit for Straight, L, T and X Joiner/Feeder is required when using Surface Hanger Clips to enclose wiring to track joiners which are spaced .50 (13mm) from recessed outlet box.

| Finish | | Part Number |
|--------|---------------|-------------|
| Black | One & Two Ckt | 30227 |
| White | One & Two Ckt | 30327 |
| Silver | One & Two Ckt | 30027 |





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