

# INTEGRID TRACK (120V) • SPECIFICATIONS

**GENERAL** IntegridTrack shall be a combination Track and main runner for mechanically supporting suspended ceiling systems. IntegridTrack shall allow fixtures to be easily focused, switched, dimmed, accessorized and removed as desired. IntegridTrack system shall have a twelve year warranty from date of shipment.

**MECHANICAL** IntegridTrack shall be constructed of .070 (2mm) extruded aluminum with overall height of 2.19 (56mm) and overall track width of 1.812 (46mm) with overall flange to flange width of 2.50 (64mm). IntegridTrack shall have the same overall dimensions and physical appearance for both one and two circuit models.

IntegridTrack shall be available in 12 foot (3.7m) length, in white high temperature baked paint finish. IntegridTrack shall be field cuttable to any length with a single cut.

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

IntegridTrack shall have pre-punched 0.25 diameter (6mm) mounting holes on 12 inch (305mm) centers for cable suspension mounting. Universal spring steel Cross Tee Clips (14) shall be supplied with each 12 foot (3.7m) track section. These clips shall accommodate the suspension ceiling system cross tees on any centers for any size ceiling tile.

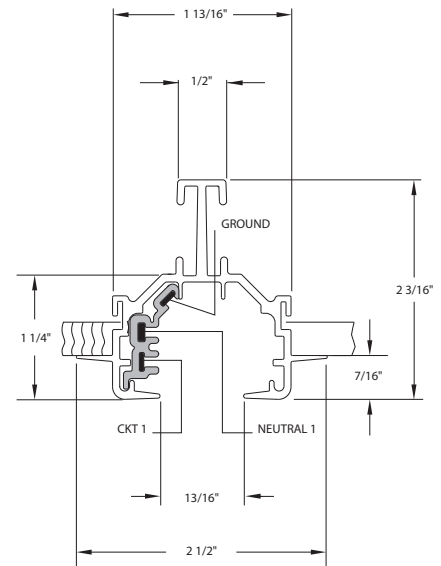
**ELECTRICAL** IntegridTrack and components shall be UL and CUL listed, CE Certified, and comply with the National Electric Code standards for Lighting Track. One and two circuit IntegridTrack shall be rated at 120/250 volt, 50/60 Hz, 2400 watts maximum each circuit. Each 20 amp/120 volt circuit shall be comprised of flat copper busbars and have a separate neutral busbar for each circuit busbar. The neutral busbar shall be oversized to be comparable to #10 gauge 30 amp wire to reduce the possibility of overheating due to non-linear loads and harmonics. A separate grounding busbar shall be integral in all track lengths. All busbars shall be insulated to prevent contact with aluminum extrusion.

IntegridTrack shall have electric feed capability through .75 diameter (19mm) 1/2-14NPS threaded hole in both cast alloy End Feed and cast alloy Straight Joiner/Feeder.

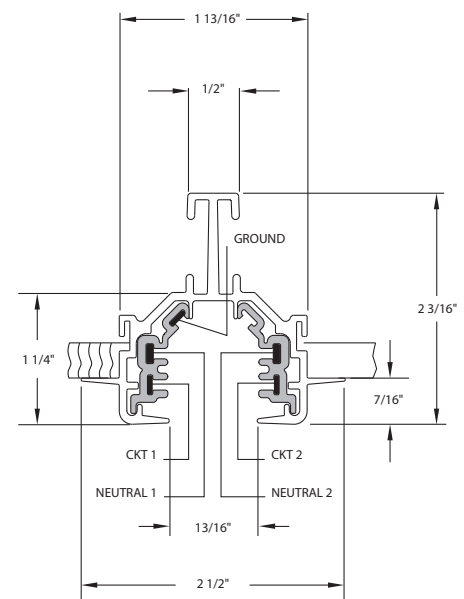
One and two circuit Integrid lighting track with separate neutral busbars shall have the ability to have each circuit separately dimmed as required when using standard voltage and low voltage fixtures with either magnetic or electronic transformers. Track shall have the ability to be dimmed or switched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

**FIXTURE FITTING INTERFACE** IntegridTrack shall accept only GE fiber reinforced Lexan™ fixture fittings which positively lock into track and cannot be energized by 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. Fixture fittings for magnetic low voltage fixtures shall be furnished with fuse of the correct ampere rating for integral transformer protection, and shall not be fused as a branch circuit.

**One Ckt 120V  
Integrid Track**

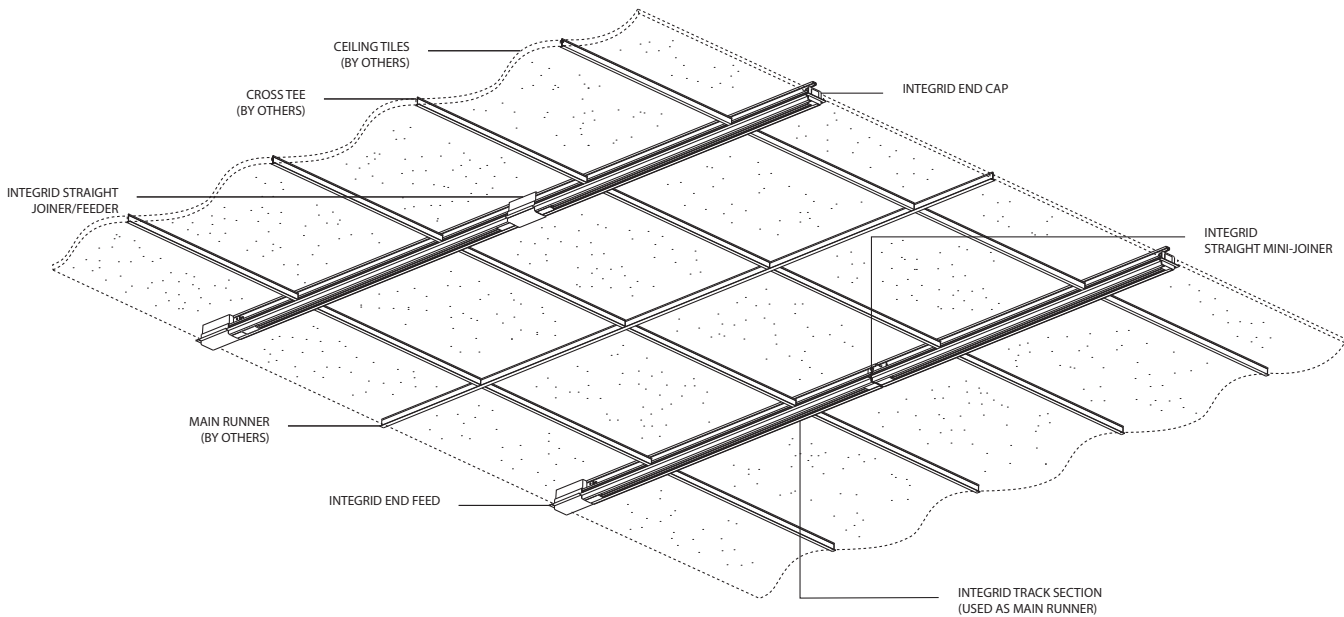


**Two Ckt 120V  
Integrid Track**



# INTEGRID TRACK (120V) • CONFIGURATION

## Straight Run Configuration

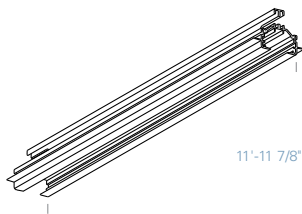


# INTEGRID TRACK (120V) • COMPONENTS

## Key Features / Applications

UL and CUL listed, CE Certified, Dry Location • IBEW union made at LSI plant in USA • Combination LSI Track and main runner for mechanically supporting suspended ceiling systems of major ceiling manufacturers • Specification grade heavy duty .070 (2mm) extruded aluminum track • 12 foot (3.7m) field cuttable lengths • One circuit 20 amp or two circuit 40 amp capacity/120/250 volt • Copper busbars equivalent to #12 AWG wire used as circuit and ground track conductors • Oversized copper busbars equivalent to #10 AWG wire used as neutral track conductors • Separate copper grounding busbar used throughout track system • White finish • Cast alloy End Feed for power input • Cast alloy Straight Joiner /Feeder for power input and mechanical joining of track lengths • Straight Mini-Joiner for electrically and mechanically coupling track lengths • Combination End Cap/Clip for electrically and mechanically ending the main runner which also aligns the track with the wall or ceiling system as needed • Universal spring steel Cross-Tee Clip allows suspension ceiling cross-tees to be connected anywhere along the track length.

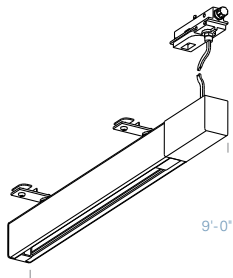
### Integrid Track Sections



Integrid Track Sections are used in conjunction with an End Feed, End Cap, Straight Joiners and Straight Mini-Joiners. Integrid Track Section lengths are nominal 12 foot (3.7m) which are field cuttable. Integrid Track Sections have integral extruded fins for supporting ceiling tiles. 14 Cross Tee Clips included with each section of track.

Finish		12 ft
White	One Ckt	41330
	Two Ckt	42330

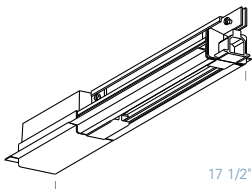
### Integrid Bridge Track



Integrid Bridge Track is a complete portable, field cuttable, surface UniTrack system that mechanically and electrically mounts to and spans parallel runs of Integrid Track. Integrid 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 Integrid Track up to 8 foot (2.4m) on center.

Finish		9 ft
White	One Ckt	31325

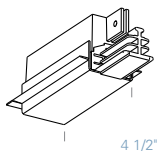
### Integrid Security Worklight Track



Integrid Security/Worklight Track is a separately fed one circuit Integrid Track Section, suitable for most LSI track fixtures, that integrates into any LSI Integrid Track run or configuration at any location. Consult fixture cutsheet. LSI fixtures (add suffix EF) mechanically lock into Integrid Security/Worklight Track by means of special hardware and do not have on/off switches.

Finish	All One Ckt		
	18" Joiner Section	18" End Feed Section	18" End Cap Section
White	41350	41351	41352

### Integrid End Feed



Integrid End Feed is a cast alloy End Feed with integral fin for supporting ceiling tile and aligning Integrid Track with wall or ceiling system.

Finish		
White	One Ckt	41300
	Two Ckt	42300

# INTEGRID TRACK (120V) • COMPONENTS

## Integrid End Cap

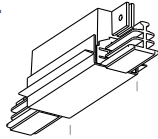


1/8"

Integrid End Cap is a combination End Cap/Clip and is used for mechanically ending any Integrid Track run, and for aligning the Integrid Track with wall or ceiling system.

Finish		
White	One & Two Ckt	40303

## Integrid Straight Joiner/Feeder

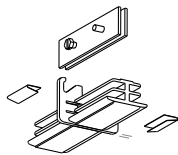


4 1/2"

Integrid Straight Joiner/Feeder is a cast alloy Straight Joiner for mechanically and electrically coupling any two lengths of Integrid Track.

Finish		
White	One Ckt	41304
	Two Ckt	42304

## Integrid Straight Mini-Joiner

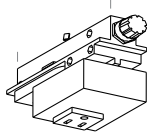


1/8"

Integrid Straight Mini-Joiner is used to mechanically and electrically couple any two lengths of track in a straight line. Add .125 (3mm) for Integrid Straight Mini-Joiner when calculating overall lengths of straight runs (overall lengths are not the same as when using Integrid Straight Joiner/Feeder). Not for use as feeder.

Finish		
White	One Ckt	41311
	Two Ckt	42311

## Integrid Track U-Ground Outlet



5"

Integrid Track U-Ground Outlet provides a convenient switched and fused U-Ground receptacle for power and is rated 5A-125V. Non-UL listed.

Finish		
Silver	One & Two Ckt	31160
Black	One & Two Ckt	31260
White	One & Two Ckt	31360

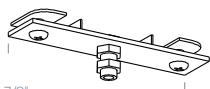
## Display Hook



Display Hook is used to mechanically hang an item from the Integrid Track without electrifying it. Do not exceed 20 lbs. at minimum spacing of two feet (609mm).

Finish		
Silver	One & Two Ckt	30761

## Weight Support Bar



4 7/8"

Weight Support Bar provides a threaded nipple and nuts to mount an item to Integrid Track without electrifying it. Do not exceed 20 lbs. at minimum spacing of two feet (609mm). Nipple size 1/8-27 NPS (.406 diameter).

Finish		
Silver	One & Two Ckt	30762

## Track Closure Cover

11'-4"



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

Nominal Length	
Finish	12 Ft
Silver	30167
Black	30267
White	30367

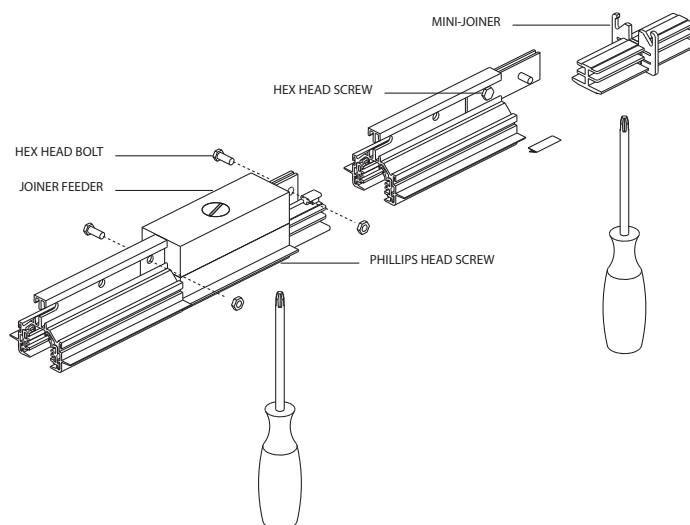
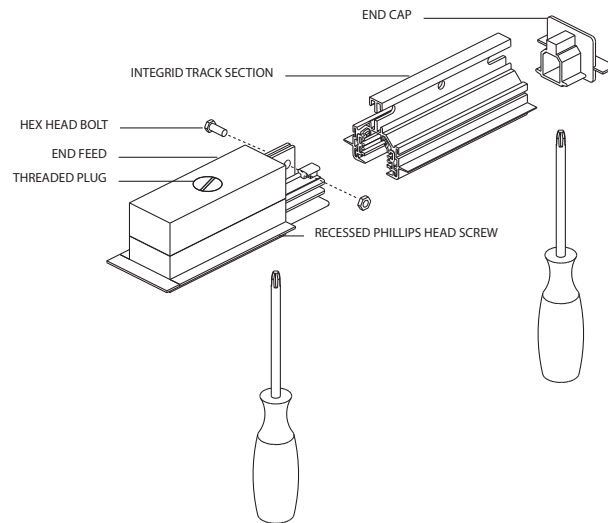
# INTEGRID TRACK (120V) • INSTALLATION

## General Notes

When installing or using this track system, basic safety precautions should always be followed, including the following: Read all instructions. Do not install this track in damp or wet locations. Do not install any part of the track system less than five feet from floor. Do not install any fixture assembly closer than six inches from any curtain or similar combustible material. Disconnect electrical power before adding to or changing the configuration of the track. Check with a qualified electrician. Do not attempt to energize anything other than lighting track fixtures on the track. To reduce the risk of fire and electric shock, do not attempt to connect power tools, extension cords, appliances and the like to the track. Install per NEC and local codes. Save these instructions.

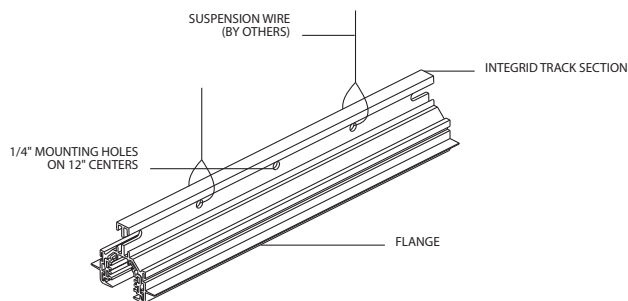
## Assembling

Insert End Feed, Joiner/Feeder or End Cap completely into Integrid Track Section and tighten the recessed Phillips head screw. Do not use excessive force when inserting components into Integrid Track Section. Tighten hex head nut and bolt to structurally couple component to Integrid Track Section. Flanges align Integrid Track to ceiling system structure. Mini-Joiner, complete with splice bars, is used for coupling two Integrid Track Sections when feeding is not necessary.



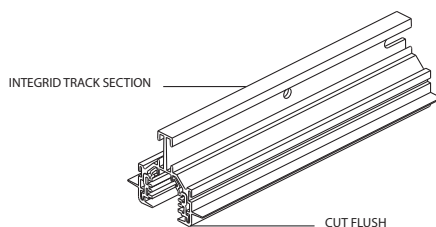
# INTEGRID TRACK (120V) • INSTALLATION

## General Notes



## Mounting

Hang Integrid Track System with suspension wire (by others) from pre-punched 1/4 inch (6mm) mounting holes every 24 inches (610mm). Each wire must be capable of withstanding a 50 lb. pull. Be sure to mount Integrid Track in compliance with NEC Lighting Track Article #410-101 (Installation) and #410-104 (Fastening) and any other applicable codes. LSI recommends a minimum of two mounting points per section of track. LSI track can be mounted on centers up to 6'-0".

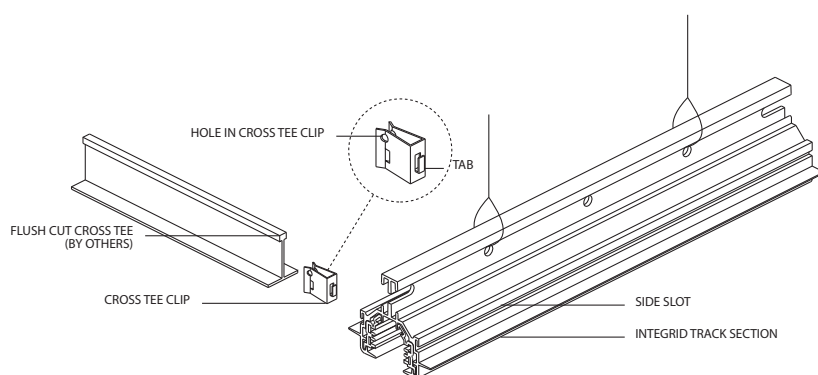


## Field Cutting

LSI track can be easily field cut using a sharp hacksaw or a chop saw with a blade for non-ferrous metals, such as Oldham commercial carbide series metal blade. Together, cut the aluminum track, Noryl™ insulation and copper with one straight cut. All pieces must be exactly the same length. Be sure to remove any burrs on the aluminum or the copper as this may affect the electrical and mechanical interconnection of components to track. Do not cut track to less than one foot in length.

## Ceiling Integration

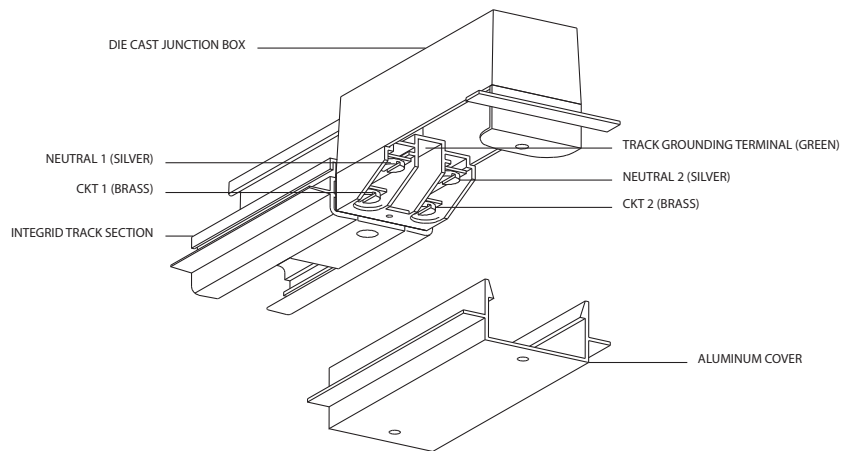
Prepare cross tee by flush cutting the end of the cross tee that will be attached to the Integrid Track. Cut the cross tee approximately 5/8 inch (16mm) from the end. Insert tab of the Cross Tee Clip into side slot of the main runner of the Integrid Track and rotate 90°. Clip can accept the flush cut ceiling cross tee and can be located to accommodate any spacing of ceiling cross tees. Insert ceiling cross tee into Cross Tee Clip so that it sits firmly in the clip and rests on the Integrid Track flange. Install #6 self tapping screw (by others) through Cross Tee Clip using the clip hole as a guide. Each connection must be capable of withstanding a 180 lb. pull. Mount ceiling cross tees in compliance with Uniform Building Code Section 25.211.2 (Grid Members, Connectors and Expansion Devices).



# INTEGRID TRACK (120V) • INSTALLATION

## Electrical

Remove threaded plug from the top of die cast junction box. Remove the cover from the End Feed or the Joiner/Feeder, bring conductors through .75 diameter (19mm) 1/2-14 NPS threaded hole, and attach wires to identified terminals. Joiner/Feeders can be electrically field modified after removal of aluminum cover by rerouting internal pre-wired jumpers.



## Installing LSI Fixtures

To insert a fixture fitting into the track, the switch must be in the "off" position, with the handle open. Insert the fixture fitting straight up into the track until it seats evenly, close handle completely, switch on. If using one circuit track, make sure that the brass contacts which protrude from the side of the fittings are inserted facing the copper busbars. If using two circuit track, inserting the fixture fitting in one direction will connect to circuit one. Removing and reversing the direction of the fixture fitting will connect to circuit two.

