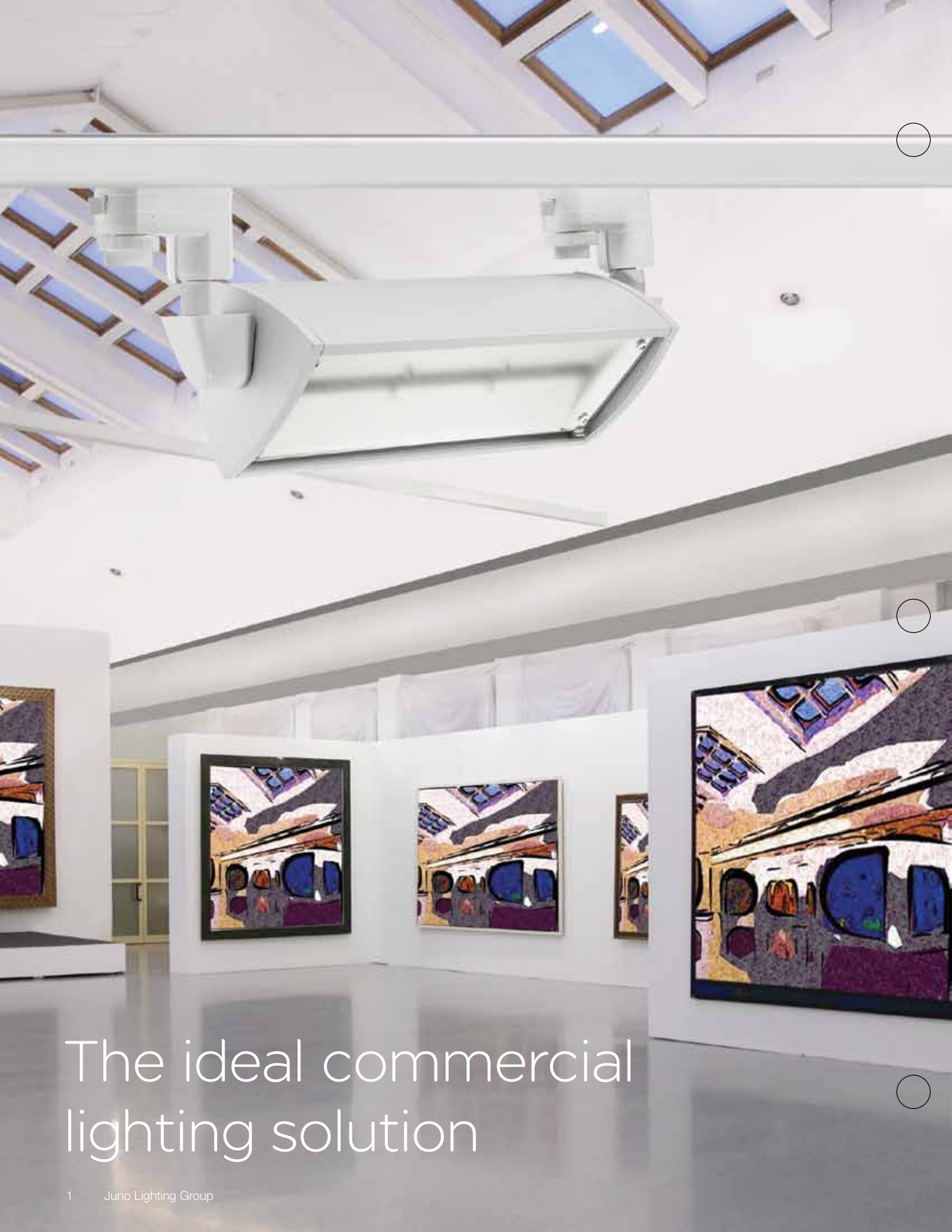


Juno® HD Commercial Trac Lighting System

2-Circuit/2-Neutral



JUNO LIGHTING GROUP
by Schneider Electric



The ideal commercial lighting solution

Juno® HD Commercial Trac Lighting System

2-Circuit/2-Neutral

Superior performance for dimmed lighting, low life-cycle cost, and high power handling capability make the Juno HD Commercial Trac System an excellent choice.

This 2-circuit/2-neutral trac system is ideal for dimming intensive applications. The independent neutrals guarantee that the two circuits are completely isolated. The potential for cross-circuit interference and neutral harmonics is completely eliminated, essential for trouble-free dimming. The lack of harmonics ensures superior fixture performance and longer equipment life.

Juno HD Commercial Trac is engineered to be durable, dependable, and simple-to-install. The trac's extruded aluminum construction and continuously crimped conductors ensure mechanical strength and electrical reliability. The integral suspension rail and pre-drilled mounting holes of the trac simplify installation.



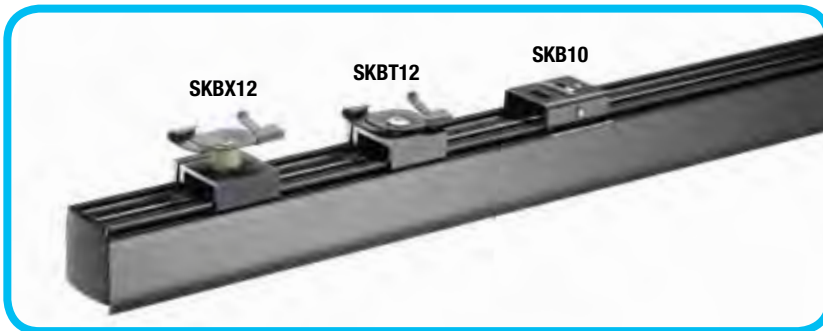
HD Commercial Trac Advantages

- 120V and 277V systems available
- Architectural grade, heavy duty construction
- Suitable for mounting in grid patterns
- Oversized conductors
- Polarized connectors and adapters
- May be cut-to-length during installation
- Broad selection of compatible fixtures
- Integral on/off switch simplifies maintenance
- Circuits may be switched without disconnecting fixture
- Current limiters available for energy code compliance
- Extensive variety of mounting methods

TEK Series 120V 2-Circuit/ 2-Neutral Trac Lighting System

The TEK Series 120-Volt 2-Circuit/2-Neutral Trac System offers the widest variety of compatible fixtures and light sources including line voltage halogen, low voltage halogen, fluorescent, ceramic metal halide (CMH) and light emitting diode (LED). This robust system is available in white or black finishes and, due to its broad selection of connectors and feeds, may be installed in practically any layout including linear, grid and irregular patterns. Trac sections may be cut in the field and a conductor bending tool is available to ensure consistent, precise conductor termination. A variety of mounting accessories are also available to simplify installation; mountings should be spaced no further than 4' apart and within 6" of any trac feed point, junction or end point. Other highlights of the TEK Series 120-Volt 2-Circuit/2-Neutral Trac System include:

- Independent neutrals
- Integral grounding channel
- Full 40A (4800W) power handling capacity
- Current limiting feeds offered to help meet energy codes
- UL and C-UL approved



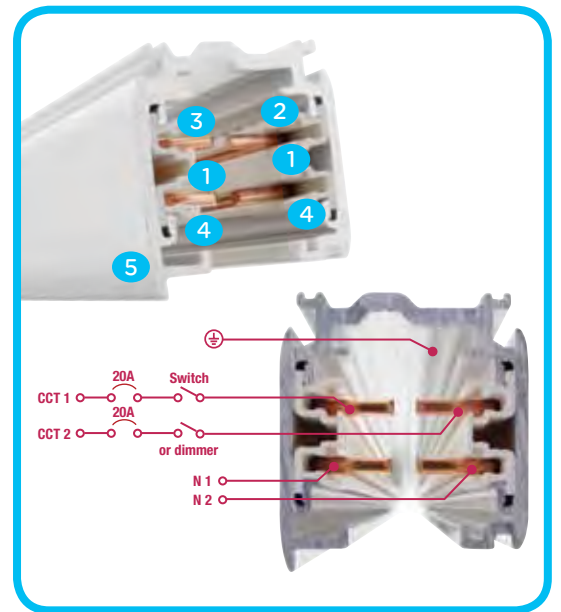
Trac Mounting Clips

SKB10 is designed for mounting to hard (GWB) ceilings. (-BL, -WH)
SKBT12 is designed for mounting to 15/16" flush tile T-bar ceilings. (-BL, -WH)
SKBX12 is designed for mounting to 15/16" drop tile T-bar ceilings. (-BL, -WH)



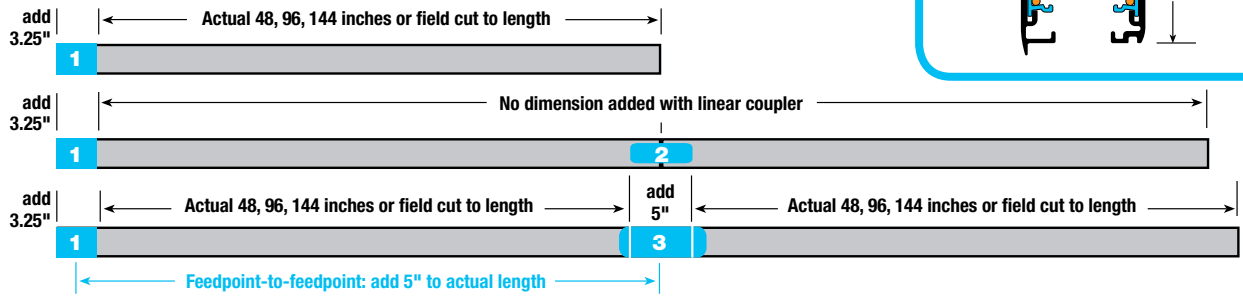
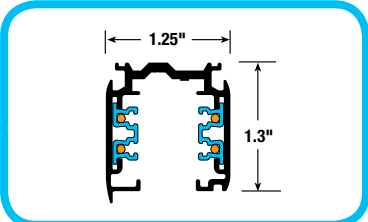
Finishes

Available in: White (WH)
or Black (BL) finishes



- 1 Independent Neutrals**
enable greater power capacity (2 x 20A); consistent dimming performance from two independent circuits without harmonics or interference on the neutral conductor.
- 2 Oversized Conductors**
for greater operating safety and reduced overload potential.
- 3 Secure Bus Bar Insulation**
firmly crimped insulation secures both conductors and insulation for the life of the product.
- 4 Separate Mechanical Suspension Points**
provides superior weight bearing capacity; ensures electrical contact integrity and reduces likelihood of arcing.
- 5 Polarity Ridge**
takes the guesswork out of connector and trac alignment during installation.

Trac Configurations, Components, Dimensions & Ordering Information



1

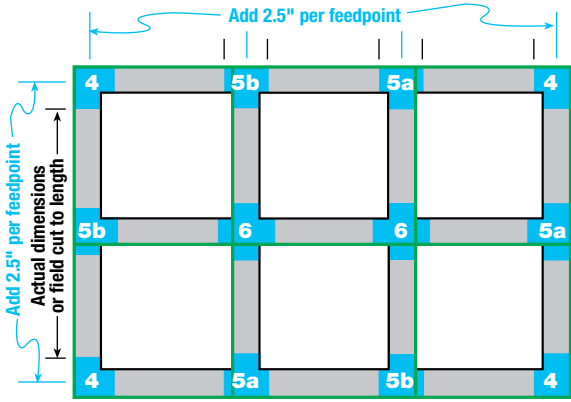
End Feed
Enables feeding of TEK Trac from top. Use as Conduit End Feed also.
TEK11 (-BL, -WH) Left Polarity.
TEK12 (-BL, -WH) Right Polarity.

2

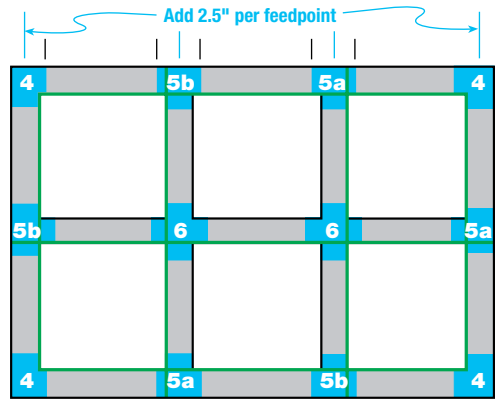
Miniature Straight Connector
Joins two trac sections in-line both electrically and mechanically.
TEK21 (-BL, -WH)

3

Center Feed
Joins two trac sections in-line both electrically and mechanically. Enables feeding of TEK Trac from top at intersection.
TEK14 (-BL, -WH)



Juno HD Commercial Trac is polarized and is manufactured with identifying ridge (green line on diagrams). Refer to these diagrams to ensure proper connector selection.



4

“L” Connector
Joins TEK Trac sections to make a 90° angle with continued electrical feed. May be used to feed TEK Trac from top.
TEK34 (-BL, -WH)

5

“T” Connector
Joins three TEK Trac sections to make a “T” intersection with continued electrical feed. May be used to feed TEK Trac from top.
5a – TEK39 (-BL, -WH) Adjustable right polarity.
5b – TEK40 (-BL, -WH) Adjustable left polarity.

6

“X” Connector
Joins four TEK Trac sections to make an “X” intersection with continued electrical feed. May be used to feed TEK Trac from top.
TEK38 (-BL, -WH)

Trac Ordering Information

Example: **TEK44-BL**

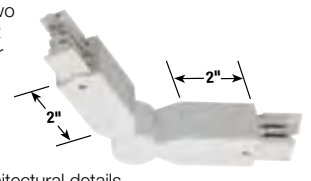
Catalog No.	Finish Color	Actual Length
TEK44	-BL	4-foot
TEK44	-BL, -WH	4-foot
TEK48	-BL, -WH	8-foot
TEK412	-BL, -WH	12-foot

Finish Colors: White (WH) or Black (BL)

Note: Trac may be factory-bent at a minimum 15 ft. radius – consult factory regarding pre-bent trac sections if desired.

Adjustable Connector

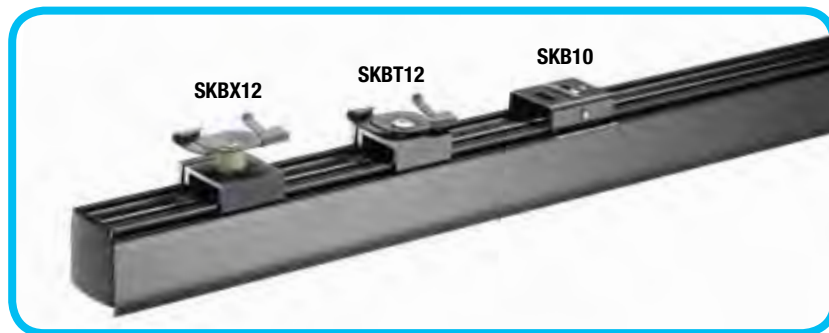
Capable of joining two TEK Trac sections at 90° to 180°. Ideal for applications where using an “L” connector is not practical; also useful for installing Trac around irregular architectural details.
TEK24 (-BL, -WH)



HTEK Series 277V 2-Circuit/ 2-Neutral Trac Lighting System

The HTEK Series 277-Volt 2-Circuit/2-Neutral Trac System is best suited for non-halogen sources and offers a wide variety of compatible fixtures and light sources including fluorescent, ceramic metal halide (CMH) and light emitting diode (LED). This robust system is available in white or black finishes and, due to its broad selection of connectors and feeds, may be installed in practically any layout including linear, grid and irregular patterns. Trac sections may be cut in the field and a conductor bending tool is available to ensure consistent, precise conductor termination. A variety of mounting accessories are also available to simplify installation; mountings should be spaced no further than 4' apart and within 6" of any trac feed point, junction or end point. Other highlights of the HTEK Series 277-Volt 2-Circuit/2-Neutral Trac System include:

- Independent neutrals
- Integral grounding channel
- Full 40A (11,080W) power handling capacity
- Current limiting feeds offered to help meet energy codes
- UL and C-UL approved



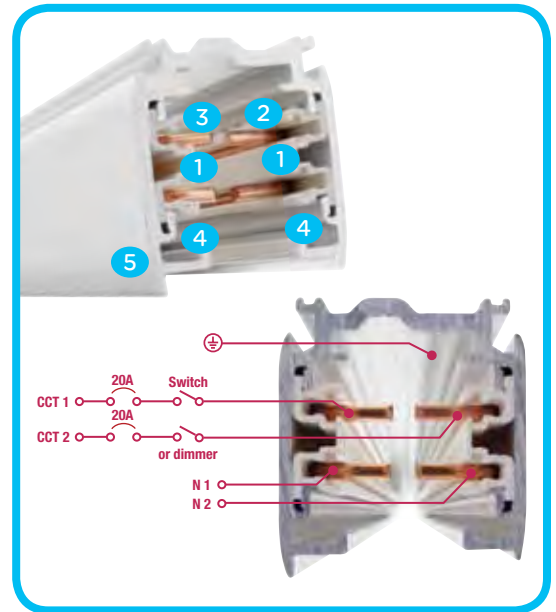
Trac Mounting Clips

SKB10 is designed for mounting to hard (GWB) ceilings. (-BL, -WH)
SKBT12 is designed for mounting to 15/16" flush tile T-bar ceilings. (-BL, -WH)
SKBX12 is designed for mounting to 15/16" drop tile T-bar ceilings. (-BL, -WH)



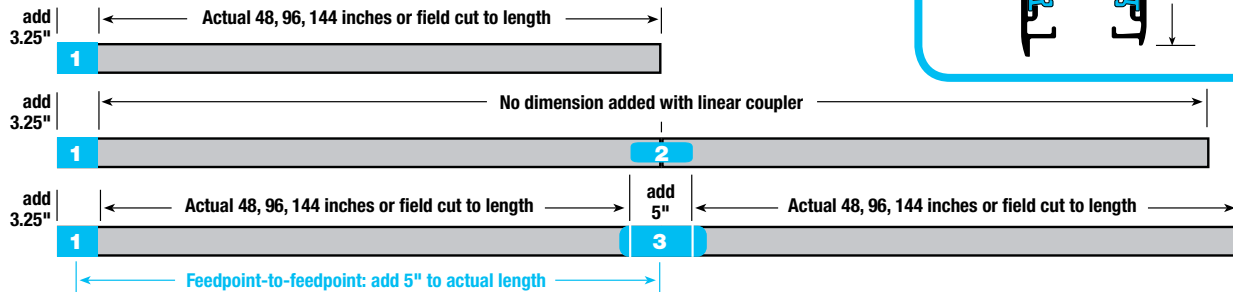
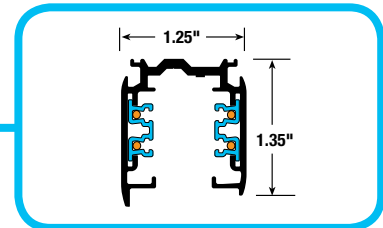
Finishes

Available in: White (WH)
or Black (BL) finishes



- 1 Independent Neutrals**
enable greater power capacity (2 x 20A); consistent dimming performance from two independent circuits without harmonics or interference on the neutral conductor.
- 2 Oversized Conductors**
for greater operating safety and reduced overload potential.
- 3 Secure Bus Bar Insulation**
firmly crimped insulation secures both conductors and insulation for the life of the product.
- 4 Separate Mechanical Suspension Points**
provides superior weight bearing capacity; ensures electrical contact integrity and reduces likelihood of arcing.
- 5 Polarity Ridge**
takes the guesswork out of connector and trac alignment during installation.

Trac Configurations, Components, Dimensions & Ordering Information



1

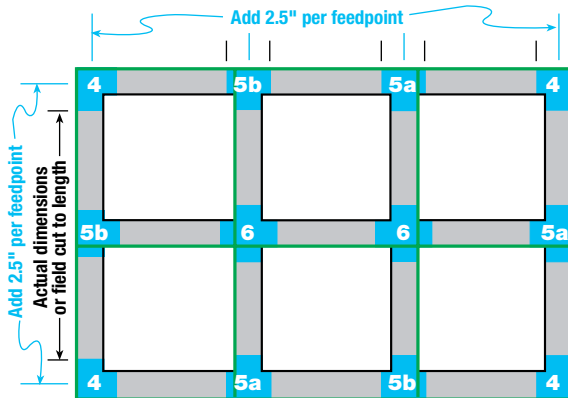
End Feed
Enables feeding of HTEK Trac from top. Use as Conduit End Feed also.
HTEK11 (-BL, -WH) Left Polarity.
HTEK12 (-BL, -WH) Right Polarity.

2

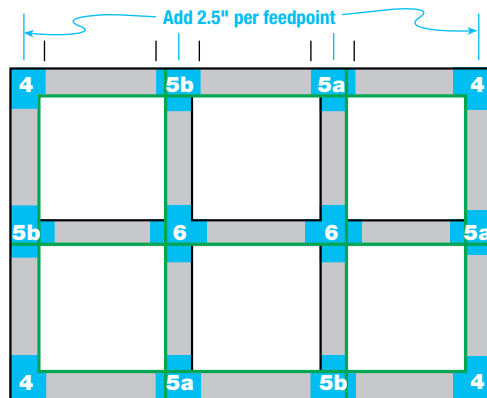
Miniature Straight Connector
Joins two trac sections in-line both electrically and mechanically.
HTEK21 (-BL, -WH)

3

Center Feed
Joins two trac sections in-line both electrically and mechanically. Enables feeding of HTEK Trac from top at intersection.
HTEK14 (-BL, -WH)



Juno HD Commercial Trac is polarized and is manufactured with identifying ridge (green line on diagrams). Refer to these diagrams to ensure proper connector selection.



4

"L" Connector
Joins HTEK Trac sections to make a 90° angle with continued electrical feed. May be used to feed HTEK Trac from top.
HTEK34 (-BL, -WH)

5

"T" Connector
Joins three HTEK Trac sections to make a "T" intersection with continued electrical feed. May be used to feed HTEK Trac from top.
5a – HTEK39 (-BL, -WH) Adjustable right polarity.
5b – HTEK40 (-BL, -WH) Adjustable left polarity.

6

"X" Connector
Joins four HTEK Trac sections to make an "X" intersection with continued electrical feed. May be used to feed HTEK Trac from top.
HTEK38 (-BL, -WH)

Trac Ordering Information

Example: **HTEK44-BL**

Catalog No.	Finish Color	Actual Length
HTEK44	-BL, -WH	4-foot
HTEK48	-BL, -WH	8-foot
HTEK412	-BL, -WH	12-foot

Finish Colors: White (WH) or Black (BL)

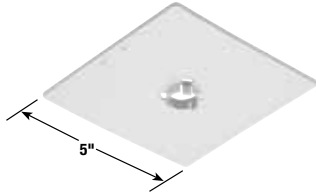
Note: Trac may be factory-bent at a minimum 15 ft. radius – consult factory regarding pre-bent trac sections if desired.

Adjustable Connector

Capable of joining two HTEK Trac sections at 90° to 180°. Ideal for applications where using an "L" connector is not practical; also useful for installing Trac around irregular architectural details.
HTEK24 (-BL, -WH)



Trac Accessories



Outlet Box Cover

Thermoplastic outlet box cover for use when feeding TEK or HTEK Trac directly over outlet box using feeds or feedable connectors. GES15 (-BL, -WH)



Trac Conductor Bending Tool

All-in-one hand tool bends conductors to manufacturer specifications when trac sections are cut in the field. XTSV12



Dead Ends

Compatible with both TEK (120V) and HTEK (277V) trac. Covers end of trac section to insulate live conductors and to provide a professionally finished aesthetic. TEK41 (-BL, -WH)

Mountings

Stem Mounting



Stem Kits

Includes stem & canopy. Available in 12", 18", 24" and 48" lengths. SPUS12 (-BL, -WH) SPUS18 (-BL, -WH) SPUS24 (-BL, -WH) SPUS48 (-BL, -WH)



End Feed Stem Coupler

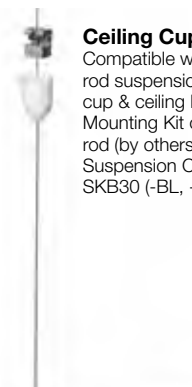
Combine with End Feed and Stem Kit to provide means for electrical feed and mechanical support of trac. Also compatible with cable or 1/4"-20 threaded rod suspension for mechanical support only. Includes universal mounting bracket & cover. (Stem not included) SP4E (-BL, -WH)



Universal Suspension Coupler

Combine with Stem Kit to provide means for mechanical support of trac. Also compatible with Cable Mounting Kit or 1/4"-20 threaded rod (by others) suspension. Includes universal mounting bracket & cover. (Stem not included) SP4P (-BL, -WH)

Cable Mounting



Ceiling Cup

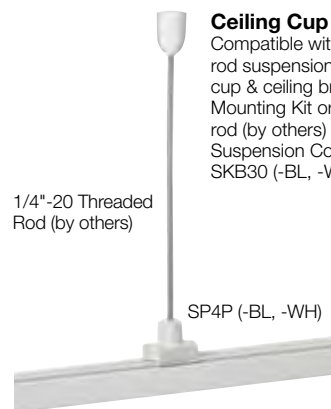
Compatible with cable or threaded rod suspension of trac. Includes cup & ceiling bracket. Order Cable Mounting Kit or 1/4"-20 threaded rod (by others) & Universal Suspension Coupler separately. SKB30 (-BL, -WH)

Cable Suspension Kit

Provides mechanical support of trac. Available in standard 5' and 9' cable length versions. Includes cable & ceiling bracket. Order Ceiling Cup & Universal Suspension Coupler separately. SKB34-5 SKB34-9

SP4P (-BL, -WH)

1/4"-20 Threaded Rod Mounting



Ceiling Cup

Compatible with cable or threaded rod suspension of trac. Includes cup & ceiling bracket. Order Cable Mounting Kit or 1/4"-20 threaded rod (by others) & Universal Suspension Coupler separately. SKB30 (-BL, -WH)

1/4"-20 Threaded Rod (by others)

SP4P (-BL, -WH)



Compatible Juno Trac Fixtures

A variety of Juno trac fixture designs can be adapted to operate with the Juno HD Commercial Trac System. Each fixture has a factory-assembled 2-circuit trac adapter that is uniquely keyed to either the TEK (120V) or HTEK (277V) HD Commercial Trac System. To order, simply replace the “T” prefix in the standard fixture catalog number with either the “TEK” or “HTEK” prefix and eliminate all dashes to indicate fixtures for use with the HD Commercial Trac System.



Ordering Examples: “T219BL” becomes “TEK219BL” or “TM208-70EMH-WH” becomes “HTEKM20870EMHWH”

TEK-Compatible Fixtures (120V)



TEK845WH



TEK868WH

Fixture Catalog Numbers

T218, T219
T253LED, T255LED
T256LED, T257LED
T292, T293, T294, T296
T295
T308, T620
T338, T340, T350
T362, T363, T368
T366, T367
T403, T404
T431, T433, T435, T437
T5T
T635-9, T635-16
T687, T689, T690
T691
T811, T812, T814, T816, T817, T819
T831, T832, T834
T844, T845, T846
T852, T853, T858
T863, T868
T872, T873, T878
TBX18, TBX39, TBX40
TM201
TM202
TM203, TM204
TM207, TM208, TM209
TM210, TM211, TM212
TM213, TM214, TM215
TM216, TM217, TM218
TM232
TM233
TM241
TM244, TM245, TM246
TM250
TM251
TM252
TM254
TM255
TM256
TM257
TMBX26

Description

Delta 200 Series
 LED Cylindra
 LED Flood/Wall Washers
 Studio II Series
 Theatrical Light
 Universals
 Integral Transformer Low Voltage Spotlights
 Open Back Gimbals (Rear Loading)
 Quartz Floods
 Pro-Gimbals
 Wireform Series
 T5HO Wall Washers
 Trapezia Series
 Open Back Gimbals (Front Loading)
 Mini Swivel
 Uno/Duo Series MR16
 Uno/Duo Series PAR30
 Cylindra Series
 Facet Series
 Mamba Series
 Xanadu Series
 Biax Wall Washers
 CMH Vertical Ballast Universal
 CMH Vertical Ballast R-111 Swivel
 CMH Vertical Ballast Pro-Gimbal
 CMH Vertical Ballast Conix PAR
 CMH Vertical Ballast Conix ED17
 CMH Vertical Ballast Conix T6, G12
 CMH Vertical Ballast Conix T4, G8.5
 CMH Vertical Ballast Concentric Cylinder T4, G8.5
 CMH Vertical Ballast Concentric Cylinder BT-5, PGJ5
 CMH Vertical Ballast Cylindra MR16
 CMH Vertical Ballast Cylindra PAR
 CMH Vertical Ballast Cylindra ED17
 CMH Vertical Ballast Cylindra T6, G12
 CMH Vertical Ballast Cylindra T4, G8.5
 CMH Vertical Ballast Cylindra T4, GU6.5
 CMH Vertical Ballast Cylindra BT-5, PGJ5
 CMH Vertical Ballast Flood/Wall Wash T6, G12
 CMH Vertical Ballast Flood/Wall Wash T4, G8.5
 Mini-Biax Wall Washer

Consult factory for additional fixture compatibility.

HTEK-Compatible Fixtures (277V)



HTEK25627KWH

Consult factory for additional fixture compatibility.

Fixture Catalog Numbers

**T253LED, T255LED
T256LED, T257LED
T5T
TBX18
TM201
TM202
TM203
TM204
TM207
TM208
TM209
TM210, TM211, TM212
TM213, TM214, TM215
TM216, TM217, TM218
TM232
TM241
TM244, TM245, TM246
TM250
TM251
TM252
TM254
TM256
TM257**

Description

LED Cylindra
LED Flood/Wall Washers
T5HO Wall Washers
Biax Wall Washer
CMH Vertical Ballast Universal (39W & 70W only)
CMH Vertical Ballast R-111 Swivel (39W & 70W only)
CMH Vertical Ballast Pro-Gimbal
CMH Vertical Ballast Pro-Gimbal (70W only)
CMH Vertical Ballast Conix PAR (39W only)
CMH Vertical Ballast Conix PAR
CMH Vertical Ballast Conix PAR (70W only)
CMH Vertical Ballast Conix ED17 (70W only)
CMH Vertical Ballast Conix T6, G12
CMH Vertical Ballast Conix T4, G8.5
CMH Vertical Ballast Concentric Cylinder T4, G8.5 (20W & 39W only)
CMH Vertical Ballast Cylindra MR16 (39W only)
CMH Vertical Ballast Cylindra PAR
CMH Vertical Ballast Cylindra ED17
CMH Vertical Ballast Cylindra T6, G12
CMH Vertical Ballast Cylindra T4, G8.5
CMH Vertical Ballast Cylindra T4, GU6.5 (39W only)
CMH Vertical Ballast Flood/Wall Wash T6, G12
CMH Vertical Ballast Flood/Wall Wash T4, G8.5

Current Limiting Feeds

Juno HD Commercial Trac Current Limiting End Feeds are the perfect solution for bringing line voltage trac lighting installations into conformance with today's stringent energy codes. They enable you to take full advantage of energy-efficient, high-performance trac fixtures without being penalized by watts-per-linear-foot code requirements, reducing calculated watts by as much as 75% or more.

Current Limiting End Feeds are designed to take the place of standard end feeds and are installed at every trac feed location. The feeds are compact and mount close to the ceiling for an unobtrusive appearance. Feeds are supplied with tamper-resistant cover screws and screwdriver bits for installation convenience and security. Versions are available for both TEK and HTEK systems and with either left polarity or right polarity configurations.

Current Limiting Circuit Breakers (ordered separately) are available in increments from 0.25A up to 15A to accommodate planned wattage use. TEK Series (120V) Current Limiting End Feeds require two TCL Series Current Limiting Circuit Breakers, one for each circuit being limited. HTEK Series (277V) Current Limiting End Feeds require two HTCL Series Current Limiting Circuit Breakers, one for each circuit being limited. Breakers are easily resettable in the event of an overload situation.

Current Limiting End Feeds

Cat. No.	Finish	Description
TEK11CL-BL	Black	Current Limiting End Feed, Left Pol. 120V
TEK11CL-WH	White	Current Limiting End Feed, Left Pol. 120V
TEK12CL-BL	Black	Current Limiting End Feed, Rt. Pol. 120V
TEK12CL-WH	White	Current Limiting End Feed, Rt. Pol. 120V
HTEK11CL-BL	Black	Current Limiting End Feed, Left Pol. 277V
HTEK11CL-WH	White	Current Limiting End Feed, Left Pol. 277V
HTEK12CL-BL	Black	Current Limiting End Feed, Rt. Pol. 277V
HTEK12CL-WH	White	Current Limiting End Feed, Rt. Pol. 277V

Current Limiting Circuit Breakers – Order Separately

Cat. No.	Finish	Description	Wattage
TCL1	BL, WH	1A, 120V Current Limiting Circuit Breaker	120W
TCL2	BL, WH	2A, 120V Current Limiting Circuit Breaker	240W
TCL3	BL, WH	3A, 120V Current Limiting Circuit Breaker	360W
TCL4	BL, WH	4A, 120V Current Limiting Circuit Breaker	480W
TCL5	BL, WH	5A, 120V Current Limiting Circuit Breaker	600W
TCL6	BL, WH	6A, 120V Current Limiting Circuit Breaker	720W
TCL7	BL, WH	7A, 120V Current Limiting Circuit Breaker	840W
TCL8	BL, WH	8A, 120V Current Limiting Circuit Breaker	960W
TCL9	BL, WH	9A, 120V Current Limiting Circuit Breaker	1080W
TCL10	BL, WH	10A, 120V Current Limiting Circuit Breaker	1200W
TCL12	BL, WH	12A, 120V Current Limiting Circuit Breaker	1440W
TCL14	BL, WH	14A, 120V Current Limiting Circuit Breaker	1680W
HTCLO.25	BL, WH	0.25A, 277V Current Limiting Circuit Breaker	69W
HTCLO.50	BL, WH	0.50A, 277V Current Limiting Circuit Breaker	138W
HTCLO.75	BL, WH	0.75A, 277V Current Limiting Circuit Breaker	207W
HTCL1.00	BL, WH	1.00A, 277V Current Limiting Circuit Breaker	277W
HTCL2.50	BL, WH	2.50A, 277V Current Limiting Circuit Breaker	692W
HTCL5.00	BL, WH	5.00A, 277V Current Limiting Circuit Breaker	1385W
HTCL7.50	BL, WH	7.50A, 277V Current Limiting Circuit Breaker	2077W
HTCL10.0	BL, WH	10.0A, 277V Current Limiting Circuit Breaker	2770W
HTCL15.0	BL, WH	15.0A, 277V Current Limiting Circuit Breaker	4155W

Ordering Example: **TEK11CL-BL** and **TCL5BL**, **HTEK12CL-WH** and **HTCL7.50WH**

Additional Juno® Trac literature available



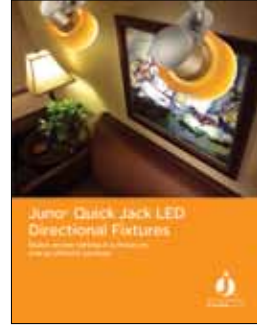
Juno® Trac Lighting



Juno® Cylindra LED Trac Lighting



Juno® Trac-Lites™



Juno® Quick Jack LED Directional Fixtures



Juno® LED Mini-Pendants



Juno® LED Decorative Pendants



Juno® LED Wall Wash/Flood Fixtures



Juno® Trac 12 Linear LED Lighting

For additional information on Juno® HD Commercial Trac Lighting visit:

www.junolightinggroup.com

Juno Lighting Group, LLC.

1300 South Wolf Road
Des Plaines, IL 60018
Tel: 847-827-9880
Fax: 847-827-2457
www.junolightinggroup.com

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