

MERGE™ LINEAR SYSTEM

ELEMENT
by Tech Lighting®



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MERGE™

LINEAR SYSTEM

ELEMENT Merge represents the marriage of a general illumination LED system to a low-voltage track lighting system. Whether being used to highlight architectural elements or deliver well-controlled ambient illumination, ELEMENT Merge (offered with either 1.5-inch or 3-inch apertures) creates recessed, suspended, or flush mount lines of uniform, glare-free LED light while offering stunning design flexibility.

Enhancing the utility of this beautifully integrated linear lighting system, spot heads or pendants can be added directly into the channel at any point along its concealed low-voltage bus system for simultaneous accent or task illumination just as is possible with traditional track lighting. Spot heads or pendants are controlled separately from the linear channel for separate dimming and on/off control of either the channel or the heads.

ELEMENT Merge linear channels can also be designed to make same-plane 90° turns or, using recessed channels, make perpendicular transitions from ceiling to wall for enhanced architectural interest.



MERGE 3.0 Recessed Linear Channels with 90° "L" Connectors (Flangeless), featuring ISO Low-Voltage Head from Tech Lighting | techlighting.com
Architect and Interior Designer: Perkins+Will | Photography: Mark Herboth Photography LLC

SCENE SETTING, LIGHTING CONTROL AND FLEXIBILITY

With independent on/off and dimming control for both the ELEMENT Merge linear channel and low-voltage track system, Merge offers incredible flexibility and control for how and where light is used within a space. Room lighting is defined and layered with simple and common switch controls, e.g.:

- A. General illumination on with accent / task lighting turned off
- B. Accent / task lighting on with general illumination turned off
- C. Both general illumination and accent / task lighting on



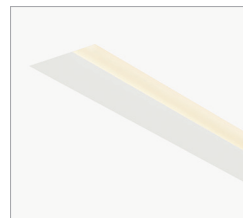
INTRODUCING

MERGE™ 1.5

The new ELEMENT Merge 1.5 offers an ultra-slim (1.5" aperture) general illumination linear LED system with the same low-voltage track capabilities as the original Merge 3.0 (3" aperture). Well-suited to architectural/commercial spaces, the Merge 1.5 (optimized for 2x4 construction) also fits the needs of more specialized environments with lower ceilings, narrow passageways, or residential environments. Using the same patented design as the Merge 3.0 linear system, Merge 1.5 delivers beautiful lines of uniform, glare-free LED light.

Dedicated Merge 1.5 spot heads and Merge 1.5 FreeJack connector (for use with any Tech Lighting low-voltage pendants or heads) can be placed directly into the channel at any point along its concealed low-voltage track system for simultaneous accent or task illumination. Spot heads or pendants are controlled completely separately from the linear channel for separate dimming and on/off control of either the channel or the heads.

Merge 1.5 recessed linear channels can also be designed to make same-plane 90° turns or, using recessed channels, make perpendicular transitions from ceiling-to-wall for enhanced architectural interest. ELEMENT Merge 1.5 is available as a recessed linear system (in drywall or grid ceilings); suspended with up light; and as a flush mount system.



RECESSED CHANNEL



SUSPENDED CHANNEL



FLUSH MOUNT CHANNEL



RECESSED TRACK



MERGE 1.5 Suspended Linear Channels with Uplight



MERGE 1.5 Flush Mount Linear Channels, featuring CAPTRA Pendants from Tech Lighting | techlighting.com



MERGE 1.5 Recessed Linear Channel with 90° "L" Turn Connector (Flangeless), featuring MERGE Capsule Spots and Modernrail Chandelier 1 from Tech Lighting | techlighting.com

LINEAR CHANNEL DESIGN

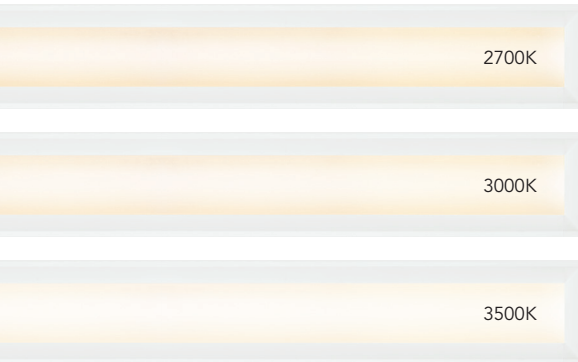
- Glare-free, continuous 1.5-inch or 3-inch wide channel of indirect LED illumination
- 2ft, 4ft, 6ft and 8ft gangable lengths with "L" and wall-to-ceiling connectors (recessed only), custom lengths also available
- Recessed, suspended, or flush mount
- Static White and Warm Color Dimming (Merge 1.5, 3000K-2000K)
- Merge 3.0 Programmable White or RGB (recessed only)
- Beveled aperture integrates seamlessly with architecture for sleek ceiling to fixture transition
- Available flanged, flangeless in drywall, or lay-in (T-Grid) installation, suspended or flush mount
- Merge 1.5 recessed linear channels are optimized for use in 2"x 4" construction
- Merge 3.0 recessed linear channels are optimized for use in 2"x 6" construction

Merge can make 90° turns in the same plane or transitions from ceiling to wall for enhanced visual interest.



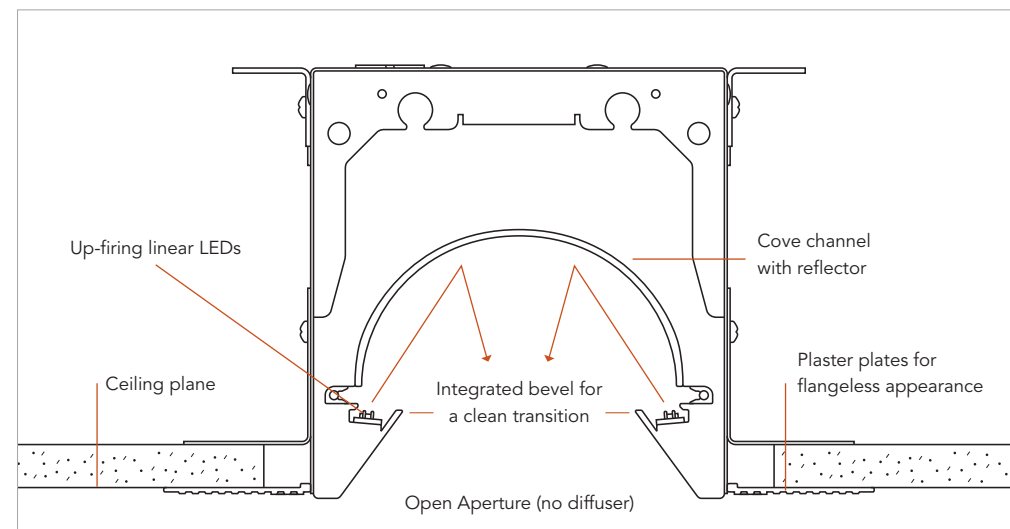
Wall-to-Ceiling Transition (Recessed only)

90° Turns



Several CCT/color options available to meet design needs:

- Static White (2700K, 3000K, 3500K)
- Warm Color Dimming (Merge 1.5, 3000K-2000K)
- Programmable White (Merge 3.0, 2700K-4000K)
- RGB Mixed Colors (Merge 3.0 recessed only)
- Additional CCTs available as custom



SPOT HEAD & PENDANT DESIGN

- Three dedicated Merge spot head options: Gimbal (3.0), Drop-Down (1.5 and 3.0), and Capsule (1.5)
- FreeJack connector allows the use of any Tech Lighting 12v low-voltage head or pendant
- Merge Spots have multiple CRI, color temperature, and beam spread options
- Twist-and-lock design allows LED adjustable spot heads to be placed anywhere along the patented low-voltage bus channel



MERGE Drop-Down



PIPER Low-Voltage Pendant from Tech Lighting with FreeJack Connector (over 80 pendant options), visit techlighting.com for complete offering



MERGE 1.5 Capsule



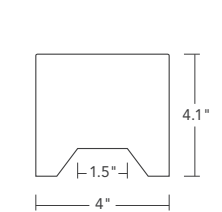
MERGE 3.0 Gimbal



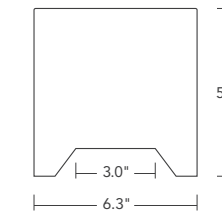
MERGE 1.5/3.0 Drop-Down



TECH LIGHTING ISO Low-Voltage Head with FreeJack Connector (over 25 head options)

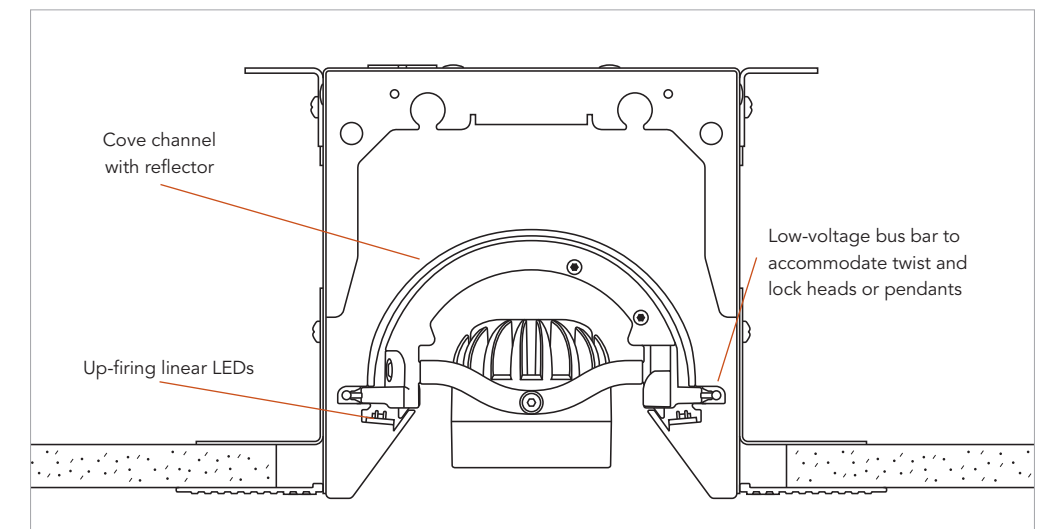


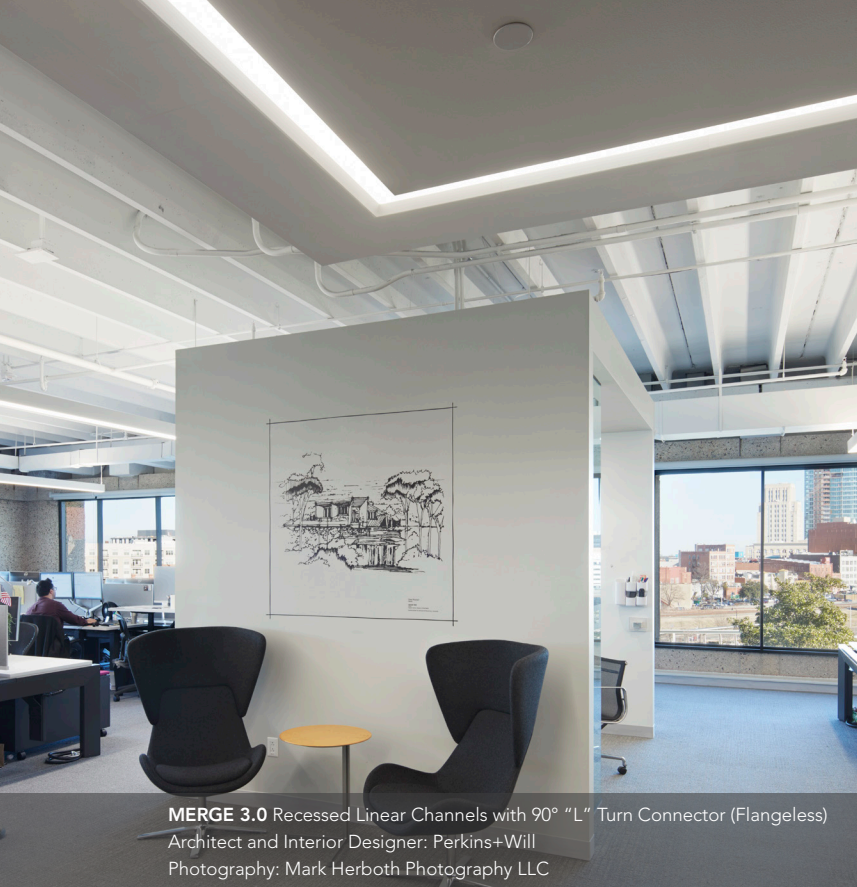
MERGE 1.5 Aperture



MERGE 3.0 Aperture

Utilizing the patented concealed low-voltage bus system enables users to: use Merge integrated spot heads or the Merge FreeJack connector and any Tech Lighting low-voltage head or pendant.





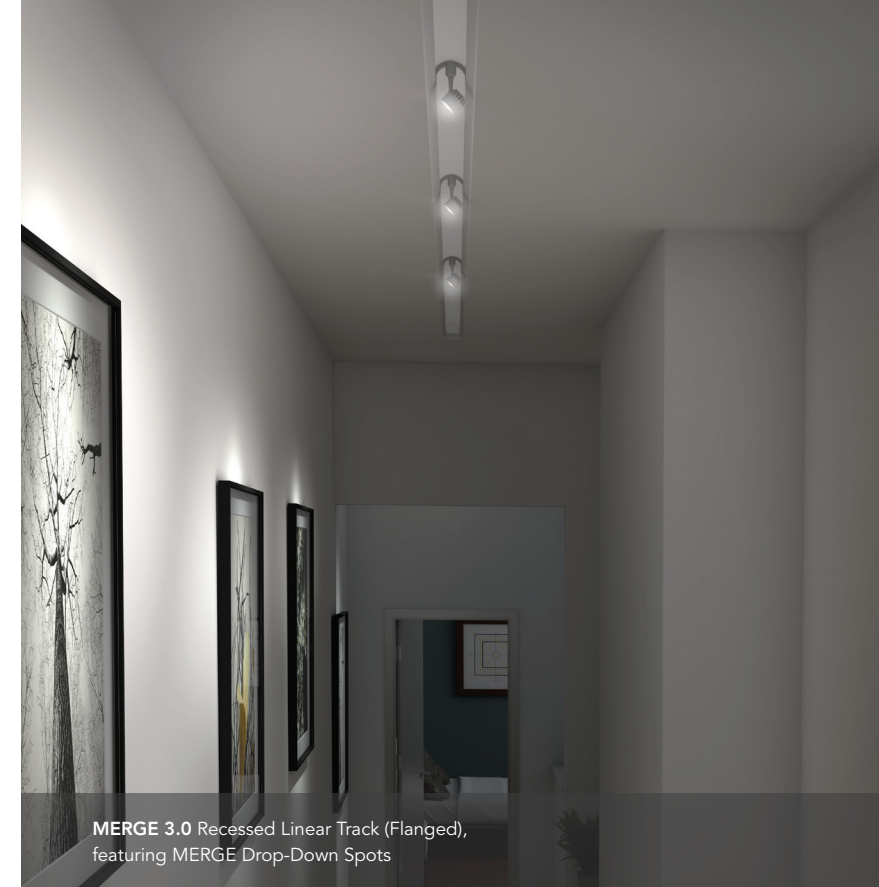
MERGE 3.0 Recessed Linear Channels with 90° "L" Turn Connector (Flangeless)
 Architect and Interior Designer: Perkins+Will
 Photography: Mark Herboth Photography LLC



MERGE 3.0 Suspended Linear Channels with Uplight



MERGE 1.5 Flush Mount Linear Channels, featuring MERGE Capsule Spots and CAPTRA Pendants from Tech Lighting | techlighting.com



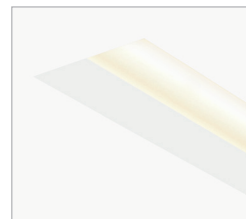
MERGE 3.0 Recessed Linear Track (Flanged), featuring MERGE Drop-Down Spots

RECESSED LINEAR CHANNELS

ELEMENT Merge 1.5 and Merge 3.0 recessed linear LED channels are available in 2', 4', 6' and 8' gangable lengths for flanged, flangeless, or lay-in installation. Flangeless versions include aluminum plaster plates for a mudded in look and all linear components feature a beveled aperture to integrate seamlessly with architecture for sleek ceiling to fixture transitions. Open aperture allows for optimized efficiency with an indirect light source. Custom lengths are available as special order.



FLANGED



FLANGELESS



LAY-IN (T-GRID)

SUSPENDED LINEAR CHANNELS

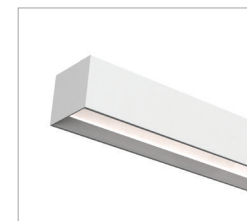
The ELEMENT Merge 1.5 and Merge 3.0 suspended linear system incorporates reflected indirect downlight, independent uplight, and a low-voltage track; all in one system with independent control and outputs for optimal illumination and power conservation. Merge Suspended can be configured in 2', 4', 6' and 8' gangable lengths. A 90° "L" connector is also available for illuminated same plane turns all from a single feed.



Uplight Shown

FLUSH MOUNT LINEAR CHANNELS

The ELEMENT Merge 1.5 and Merge 3.0 flush mount linear system incorporates reflected indirect downlight and a low-voltage track; all in one system with independent control of the linear channel and track system. Merge Flush Mount can be configured in 2', 4', 6' and 8' gangable lengths. A 90° "L" connector is also available for illuminated same plane turns all from a single feed.



RECESSED LINEAR TRACK

ELEMENT Merge 1.5 and Merge 3.0 recessed track channels (non-illuminated) are available in 2', 4', 6' and 8' gangable lengths with a number of connector options for flanged, flangeless, or lay-in installation. ELEMENT Merge spot heads or Tech Lighting pendants and heads are placed directly into the channel at any point along its concealed low-voltage bus system. Flangeless versions include aluminum plaster plates for a mudded in look that integrate seamlessly into a ceiling. Custom lengths are available as special order.



FLANGED



FLANGELESS



LAY-IN (T-GRID)



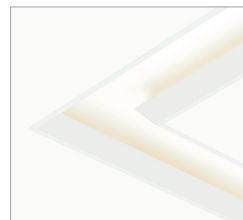
MERGE 3.0 Recessed Linear Channels with Wall-to-Ceiling Connectors (Flangeless)
Ceiling: 1x3 ELEMENT Multiples (Open, Flangeless, Black)



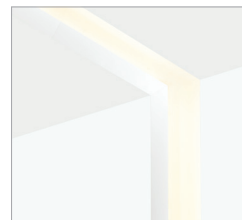
MERGE 3.0 Recessed Linear Channels with Wall-to-Ceiling Connectors (Flangeless), featuring MERGE Gimbal Spots
Sides: 1x3 ELEMENT Multiples (Open, Flangeless, Black)

CONNECTORS

The continuous line of light aesthetic created by the Merge 1.5 and Merge 3.0 recessed linear and recessed track system can be enhanced using either a same plane 90° turn connector or wall-to-ceiling connector (recessed only).



RECESSED
90° TURN



RECESSED
WALL-TO-CEILING



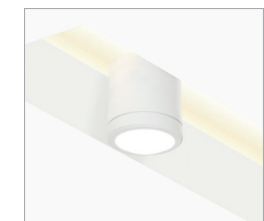
SUSPENDED
90° TURN



FLUSH MOUNT
90° TURN

SPOT HEADS & PENDANTS

The ELEMENT Merge low-voltage bus (track) system allows the user to simply twist-and-lock LED adjustable spot heads anywhere along the channel for stunning design flexibility. Options for beam spread, mounting, and color temperature allow designers to specify a system tailored to exacting demands. The Merge Gimbal Spot does not break the ceiling fixture plane for a smooth overall appearance. The Merge Drop-Down Spot allows maximum aimability. The Merge FreeJack (FJ) connector also allows any 12v Tech Lighting head or pendant to be mounted from the Merge system for further customization.



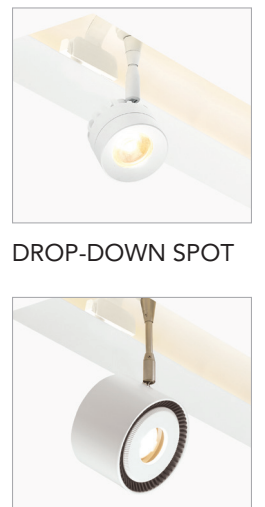
1.5 CAPSULE



3.0 GIMBAL SPOT



FJ PENDANT



FJ HEAD



MERGE 1.5 Suspended Linear Channel with Uplight



MERGE 1.5 Recessed Linear Channel (Flanged), featuring MERGE Capsule Drop-Down Spots



MERGE 3.0 Recessed Linear Channel (Flangeless), featuring MERGE Drop-Down Spot
Architect and Interior Designer: Perkins+Will | Photography: Mark Herboth Photography LLC



MERGE 3.0 Recessed Linear Channels (Flangeless)
Architect and Interior Designer: Perkins+Will | Photography: Mark Herboth Photography LLC



MERGE 3.0 Recessed Linear Channels (Flanged)



MERGE 3.0 Recessed Linear Channel (Flangeless), featuring Merge Gimbal Spots
Private Residence by: dSpace Studio | Chicago, IL | Architects: Kevin Toukouridis and Kathryn McRay | Lighting Designer: Anne Kustner



Left: **MERGE 1.5** Recessed Linear Channels with Wall-to-Ceiling Connector and 90° "L" Turn Connector (Flangeless), featuring MERGE Capsule Drop-Down Spots and DOBSON II Pendant from Tech Lighting | techlighting.com



Right: **MERGE 3.0** Recessed Linear Channels (Flangeless), featuring MERGE Gimbal Spots
Right: **MERGE 3.0** Suspended Linear Channels with up light



3" LED Dual Adjustable Downlights (Square / Flangeless / Bevel / White) | 3" LED Adjustable Downlights (Square / Flangeless / Bevel / White)
Private Residence by: dSpace Studio | Chicago, IL | Architects: Kevin Toukourmidis and Kathryn McRay | Lighting Designer: Anne Kustner



ELEMENT

by Tech Lighting®

ARCHITECTURAL DOWNLIGHTS

Tech Lighting also offers its ELEMENT product line of specifier-grade recessed downlights, which are backed by the best service levels in the industry.

What matters to you, matters to us:

ABOVE THE CEILING MATTERS

With all of our recessed products, we take great care to ensure the highest quality housing components and assembly methods are employed so you can rest assured that all the things you can't see—aiming mechanisms, heat sinks, drivers and wiring systems—deliver exceptional performance and safety.

AT THE CEILING MATTERS

A highly engineered recessed lighting system deserves a premium ceiling appearance. Every ELEMENT trim is made of either die-cast aluminum or a single sheet of cold rolled steel for durability without sagging or warping. Trims are then powder coated for a superior finish and reduced glare. Further, die-cast or steel mesh mud plates help create a smooth, flangeless appearance between trim and ceiling: No seams. No flexing. No cracks.

BELOW THE CEILING MATTERS

Beautiful aesthetics and precision engineering cannot come at the expense of light performance. Every ELEMENT fixture delivers pristine, consistent light. Our engineers stay at the cutting edge of technology to deliver illumination with greater light output, longer life, less energy consumption, and a wide selection of LED and control options.

Visit ELEMENT-lighting.com to see the expansive breadth of our offering.

ELEMENT
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921MGBK18

Cover:

MERGE 3.0 Recessed Linear Channels with 90° "L" Connectors (Flangeless),
featuring ISO Low-Voltage Head from Tech Lighting | techlighting.com

Architect and Interior Designer: Perkins+Will | Photography: Mark Herboth Photography LLC