

Creating a continuous uninterrupted line of beautiful, glare-free LED light, the ELEMENT Merge recessed linear system inconspicuously puts light where it is needed without drawing attention to the fixture. The continuous line aesthetic created by the ELEMENT Merge system is enhanced using either a specifically engineered 90° turn connector or wall-to-ceiling connector. Lines of LED light (also available with an RGB option) can be designed to seamlessly make 90° same-plane turns or transition from ceiling to wall for enhanced design interest while also allowing the option to add spot heads for accent and task lighting, all without adding more light fixtures to the space.

**Key Features:**

- Optional illuminated 90° horizontal (same plane) transitions (not available in Lay-in)
- Low profile design for use in 2x6 construction
- Dual sided illumination for even light along the channel
- 3-Step or better color binning on all non-RGB options
- Internal reflector finished with high reflectance matte white paint for even light distribution & optimal efficiency

**SPECIFICATIONS**

DELIVERED LUMENS	700 lms/ft
WATTS	22.5
EFFICACY	78 l/w
CRI	80+, 90+ & RGB
CCT OPTIONS	2700K, 3000K, 3500K, or Programmable White (2700K-4000K), RGB
VOLTAGE	120V or 277V (Concealed 10 gauge, low-voltage bus bar, order 12-volt remote transformer sold separately)
DIMMING	ELV, 0-10, DMX, Hi-Lume
TRANSITIONS	Illuminated 90° horizontal turns (same plane) transitions (not available in Lay-in)
CEILING APPEARANCE	Flanged or Flangeless
CEILING APERTURE	3" beveled
HOUSING	IC Airtight available in 2', 4', 6' and 8'. IC suitable up to R60 spray foam insulation (Consult factory for Chicago Plenum).
POWER SUPPLY**	Constant Current (Each linear channel includes a self-contained ELV, 0-10V, Lutron Hi-Lume 2 Wire PWM (120V only) or Lutron Hi-Lume, Eco System Fade-to-Black Driver, DMX driver for RGB), 0-10V 1%, 0-10V 0.1%
CONSTRUCTION	Housing: 20 gauge sheet metal Extrusion: Aluminum
HARDWARE	Steel
FINISH	White Powder Coat
LED LIFETIME	L70; 50,000 hours
WARRANTY*	5 years

\*Visit ELEMENT-lighting.com for specific warranty limitations and details.

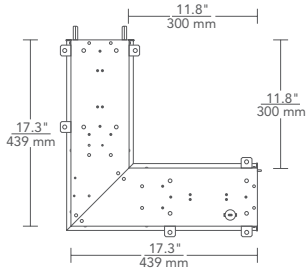
\*\*Consult Quotes Department for additional driver options.

Max run length is 80' for the channel; typical max run length is 40' for the low-voltage bus which can be powered from both sides for a total of 80'; system wattage will impact max run length

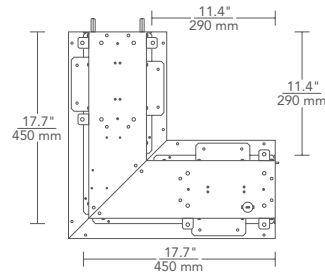


MERGE  
shown flanged

## DIMENSIONS



Flanged 90° L connector (top view)



Flangeless 90° L connector (top view)

## GRIDS

SYSTEM	TYPE	OUTPUT	CEILING APPEARANCE	CRI / COLOR TEMPERATURE	FINISH	CONTROLS	VOLTAGE
RLS3	L	7 700 LUMENS/FT	RF	827	W MATTE WHITE	ELV	1 120 VOLT
	LPF		RL	830		010	
				835		ELD0	2 277 VOLT
				927		ELD0A	
				930		ELD1	
				935		ELD1A	
				82740		HL2W	
				RGB		HLECO	
						DMX	
RSL3		7			W		

\*0-10 VOLT DIMMING ONLY. \*\*DMX CONTROL ONLY. †HL2W – TWO WIRE LOW-VOLTAGE ELECTRONIC DIMMING, 120 VOLT ONLY. ‡CLOSED CONFIGURATIONS REQUIRE CONNECTOR WITH POWER FEED.

## PROJECT INFO

FIXTURE TYPE & QUANTITY	JOB NAME & INFO	NOTES

**ELEMENT**  
by Tech Lighting®

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