

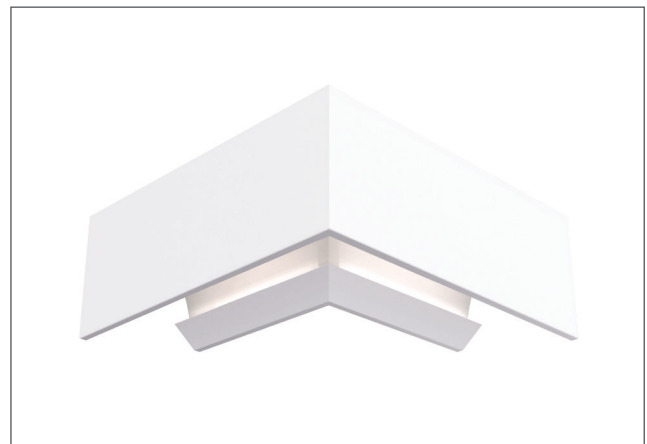
Creating a continuous uninterrupted line of beautiful, glare-free LED light, the ELEMENT Merge 1.5 Flush LED linear system inconspicuously puts light where it is needed. The continuous line aesthetic created by the ELEMENT Merge 1.5 system is enhanced using a specifically engineered 90° turn connector. Lines of LED light can be designed to seamlessly make 90° same-plane turns 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:

- 3-Step or better color binning
- Internal reflector finished with high-reflectance matte white paint for even light distribution & optimal efficiency

### SPECIFICATIONS

	HIGH OUTPUT	STANDARD OUTPUT
DELIVERED LUMENS	650 lms/ft	450 lms/ft
WATTS	12 watts/ft	7 watts/ft
EFFICACY	54 l/w (80CRI, 3500K)	64 l/w (80CRI, 3500K)
CRI	80+, 90+	
CCT OPTIONS	2700K, 3000K, 3500K or Warm Color Dimming (3000K-2000K)	
COLOR CONSISTENCY	3-Step	
VOLTAGE	120V or 277V (Concealed 10 gauge, low-voltage bus bar, order 12-volt remote transformer sold separately)	
DIMMING	ELV/0-10V (Down to 5%) Lutron Hi-Lume Ecosystem Fade-To-Black or PWM (Down to 1%) eldoLED 0-10V (Down to 0.1%)	
TRANSITIONS	Optional Illuminated 90° horizontal turns (same plane) or 90° ceiling-to-wall transitions	
CEILING APPEARANCE	Flush Mount	
CEILING APERTURE	1.5" beveled aperture	
HOUSING	IC Airtight available in 4', 6' and 8'. IC suitable up to R60 spray foam insulation (Consult factory for Chicago Plenum). EM units available Non-IC only.	
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, 0-10V 1%, 0-10V 0.1%)	
CONSTRUCTION	Aluminum	
FINISH	White Powder Coat	
GENERAL LISTING	ETL	
CALIFORNIA TITLE 24	Registered CEC Appliance Database. Can be used to comply with CEC 2016 Title 24 Part 6 (Static White, 90 CRI versions).	
LED LIFETIME	L70; 50,000 hours	
WARRANTY*	5 years	



MERGE  
shown flush mounted

### PERFORMANCE

#### HIGH OUTPUT (650 LPF)

LINEAR CHANNEL	FIXTURE OUTPUT (LMS)*	WATTAGE
4 FT	2600	48
6 FT	3900	72
8 FT	5200	96

\*REPRESENTS 3500K/80CRI

#### STANDARD OUTPUT (450 LPF)

LINEAR CHANNEL	FIXTURE OUTPUT (LMS)*	WATTAGE
4 FT	1800	28
6 FT	2700	42
8 FT	3600	56

\*REPRESENTS 3500K/80CRI

### Optional

- **EM:** integrated emergency battery back-up to provide illumination when main power is lost. EM battery is integrated in the Merge linear channel housing and provides 90 minutes of egress illumination. Each EM fixture ships with a test switch/indicator light.
  - 4', 6', & 8' EM linear channel: 1018 total lumens (illuminates 4' section of the 8' channel)

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

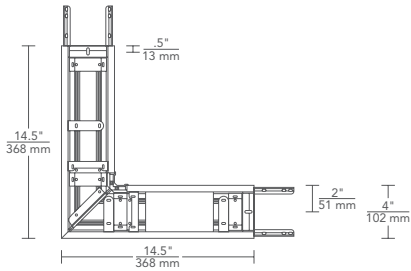
\*\*Consult Quotes Department for additional driver options.

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™ 1.5

FLUSH MOUNT 90° L CONNECTOR

## DIMENSIONS



Flush 90° L connector (top view)

## GRIDS

### LINEAR CHANNELS

SYSTEM	TYPE	OUTPUT	CRI/CCT	FINISH	CONTROLS
FLS1	L "L" CONNECTOR	<b>H</b> HIGH OUTPUT, 650 LMS/FT	<b>835</b> 80 CRI, 3500K	<b>W</b> MATTE WHITE	<b>ELV0</b> ELV/0-10V DIMMING UNV†
		<b>S</b> STANDARD OUTPUT, 450 LMS/FT	<b>927</b> 90 CRI, 2700K		<b>ELD0</b> ELDOLED 0.1% 0-10V LINEAR UNV†
			<b>930</b> 90 CRI, 3000K		<b>ELD0A</b> ELDOLED 0.1% 0-10V LOGARITHMIC UNV†
			<b>935</b> 90 CRI, 3500K		<b>ELD1</b> ELDOLED 1% 0-10V LINEAR UNV†
			<b>9WD</b> 90 CRI, WARM DIM, 3000-2000K		<b>ELD1A</b> ELDOLED 1% 0-10V LOGARITHMIC UNV†
				<b>HL2W</b> LUTRON HI-LUME 1% 2 WIRE/PWM*	
					<b>HLECO</b> LUTRON HI-LUME 1% ECO-SYSTEM FADE-TO-BLACK UNV†
FLS1	L			W	

\*HL2W – TWO WIRE LOW-VOLTAGE ELECTRONIC DIMMING, 120 VOLT ONLY.  
 †UNV = 120V/277V INPUT VOLTAGE.

## PROJECT INFO

FIXTURE TYPE & QUANTITY	JOB NAME & INFO	NOTES

