

The ELEMENT Merge Suspended LED linear system represents the marriage of indirect downlight, independent up light, and a track system; all in one system with independent control and outputs for optimal illumination and power conservation. With varying length components, Merge Suspended can be configured up to a continuous 80' run from a single feed. A 90° connector is also available for illuminated same-plane turns. Merge Gimbal or Drop Down Spots, or many Tech Lighting low-voltage heads or pendants (using the FreeJack connector) can be placed anywhere along the concealed low-voltage bus system for added versatility.

Key features

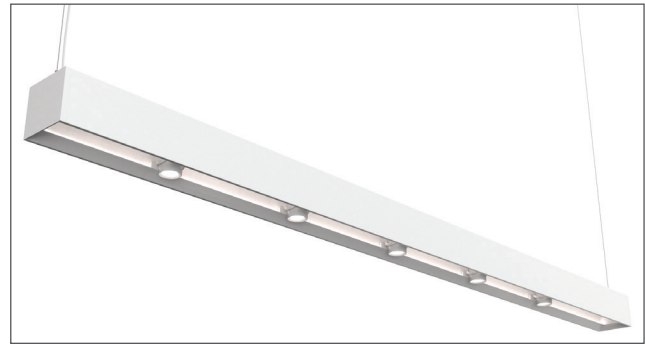
- Downlight, uplight, and low-voltage track in one linear fixture
- Illuminated same-plane turns with a 90° connector
- 2', 4', 6', 8' gangable lengths
- FreeJack connector allows the use of any low-voltage Tech Lighting heads or pendants
- Downlight, uplight, and track system controllable separately

SPECIFICATIONS

DELIVERED LUMENS	Downlight: 700 lms/ft or 350 lms/ft Uplight: 600 lms/ft or 350 lms/ft
WATTS	Downlight: 9 watts/ft or 4.5 watts/ft Uplight: 3.8 watts/ft or 2.25 watts/ft
EFFICACY	Downlight: 78 Uplight: 158 l/w
CRI	80+ or 90+
CCT OPTIONS	2700K, 3000K, 3500K, Programmable White (2700K-4000K)
VOLTAGE	120V or 277V
DIMMING	ELV, 0-10V, Lutron Hi-Lume 2 Wire PWM (120V only) or Lutron Hi-Lume Eco System, 0-10V 0.1%, 0-10V 1%
TRANSITIONS	90° "L" horizontal turns
CEILING APPEARANCE	Suspended aircraft cable or rigid stem
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)
CONSTRUCTION	Aluminum
HARDWARE	Steel
FINISH	White or Silver Powder Coat
LED LIFETIME	L70; 50,000 hours
GENERAL LISTING	ETL
WARRANTY*	5 years

*Visit ELEMENT-lighting.com for specific warranty limitations and details.
**Consult Quotes Department for additional driver options.

Concealed 10 gauge, low-voltage bus bar, order 12-volt remote transformer separately.
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 suspended

PERFORMANCE

UPLIGHT (350 LPF)

LINEAR CHANNEL	LOW OUTPUT (LMS)*	WATTAGE
2 FT	700	8
4 FT	1400	15
6 FT	2100	23
8 FT	2800	31

*REPRESENTS 3500K/80CRI

UPLIGHT (600 LPF)

LINEAR CHANNEL	HIGH OUTPUT (LMS)*	WATTAGE
2 FT	1200	13
4 FT	2400	26
6 FT	3600	40
8 FT	4800	53

*REPRESENTS 3500K/80CRI

DOWNLIGHT (350 LPF)

LINEAR CHANNEL	LOW OUTPUT (LMS)*	WATTAGE
2 FT	700	9
4 FT	1400	18
6 FT	2100	27
8 FT	2800	36

*REPRESENTS 3500K/80CRI

DOWNLIGHT (700 LPF)

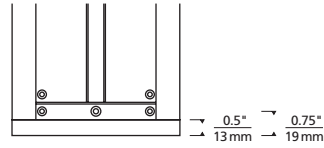
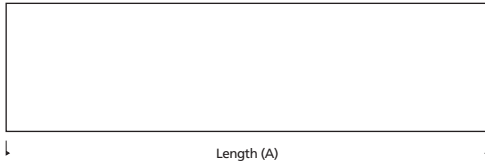
LINEAR CHANNEL	HIGH OUTPUT (LMS)*	WATTAGE
2 FT	1400	18
4 FT	2800	36
6 FT	4200	54
8 FT	5600	72

*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 mounted test switch/indicator light.
 - 2' EM linear channel: 1063 total lumens
 - 4', 6', & 8' EM linear channel: 1107 total lumens (illuminates 4' section of the 8' channel)

HOUSING

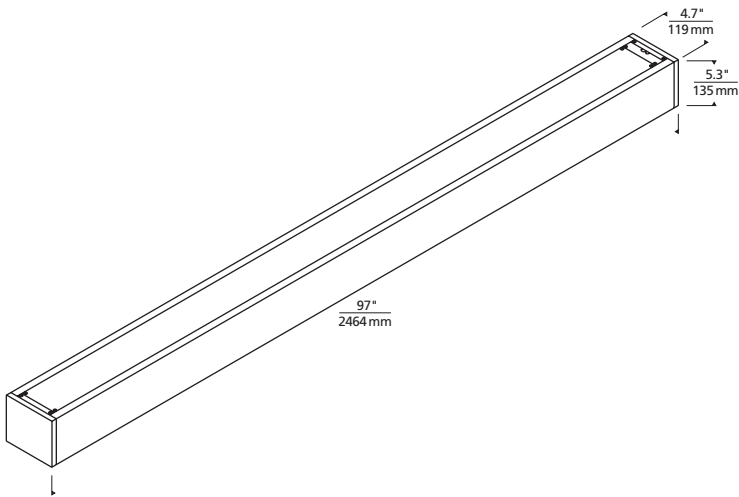


LINEAR
suspended top view

DIMENSIONS

	LENGTH (A)
2' INDIVIDUAL	24"
4' INDIVIDUAL	48"
6' INDIVIDUAL	72"
8' INDIVIDUAL	96"

Please note that end caps will add 1" to overall length of the fixture



GRIDS

LINEAR CHANNELS

SYSTEM	NOMINAL LENGTH	OUTPUT	MOUNTING	CRI/COLOR TEMPERATURE	FINISH	CONTROLS	OPTIONAL
SLS3	2 2'	70 700 LPF DOWNLIGHT ONLY	SR04 48" RIGID STEM	827 80CRI, 2700K	W MATTE WHITE S SILVER	ELV/0-10V DIMMING UNV† (LEAVE BLANK) ELD0 ELDOLED 0.1% 0-10V LINEAR UNV† ELD0A ELDOLED 0.1% 0-10V LOGARITHMIC UNV† ELD1 ELDOLED 1% 0-10V LINEAR UNV† ELD1A ELDOLED 1% 0-10V LOGARITHMIC UNV† HL2W LUTRON HI-LUME 1% 2 WIRE/PWM** HLECO LUTRON HI-LUME 1% ECOSYSTEM FADE-TO-BLACK UNV†	LEAVE BLANK IF NO DESIRED OPTIONS -EM EMERGENCY BATTERY
	4 4'	30 350 LPF DOWNLIGHT ONLY	SR08 96" RIGID STEM	830 80CRI, 3000K			
	6 6'	73 700 DOWN/350 UPLIGHT	SA04 48" ADJUSTABLE CABLE	835 80CRI, 3500K			
	8 8'	76 700 DOWN/600 UPLIGHT	SA12 144" ADJUSTABLE CABLE	927 90CRI, 2700K			
		33 350 DOWN/350 UPLIGHT		930 90CRI, 3000K			
		36 350 DOWN/600 UPLIGHT		935 90CRI, 3500K			
		03 350 LPF UPLIGHT ONLY		82740 80CRI, PROGRAMMABLE WHITE*			
		06 600 LPF UPLIGHT ONLY					

SLS3

*0-10 VOLT DIMMING ONLY. WHEN ORDERING 82740, LEAVE CONTROLS COLUMN BLANK. NOT AVAILABLE WITH EM. **HL2W - TWO WIRE LOW-VOLTAGE ELECTRONIC DIMMING, 120 VOLT ONLY.
†UNV - 120V/277V INPUT VOLTAGE.

FINISHING KIT

SYSTEM	TYPE	STYLE	MOUNTING	FINISH
SLS3	FK FINISHING KIT	1 CLOSED ENDCAP	SR04 48" RIGID STEM SR08 96" RIGID STEM SA04 48" ADJUSTABLE CABLE SA12 144" ADJUSTABLE CABLE	W MATTE WHITE S SILVER
SLS3	FK	1		

INCLUDES 2 ENDCAPS, 1 ADDITIONAL SUSPENSION MOUNT & ALL NECESSARY MOUNTING HARDWARE

POWER FEED CANOPY

SYSTEM	TYPE	FINISH
SLS3	PF POWER FEED ONLY MPF MID-RUN POWER FEED ONLY* PFM POWER FEED W/MOUNTING POINT MPFM MID-RUN POWER FEED W/MOUNTING POINT* PFM12 POWER FEED W/MOUNTING POINT & 12V FEED MPFM12 MID-RUN POWER FEED W/MOUNTING POINT & 12V FEED*	W MATTE WHITE S SILVER
SLS3		

SLS3

INCLUDES MOUNTING HARDWARE AND NECESSARY CORD/WIRE TO COMPLETE ELECTRICAL CONNECTIONS. *USE WHEN POWERING MULTIPLE FIXTURES NOT FROM END OF RUN.

TRANSFORMERS* (ORDERED SEPARATELY)

ITEM	DESCRIPTION	DIMMING
700AT060EL	ELECTRONIC, 60W, 120V	ELV
700AT152EL	ELECTRONIC, 150W, 120V	ELV
700AT152ELD010	ELECTRONIC, 150W, 120V	0-10V
700AT150T	MAGNETIC, 150W, 120V	MAGNETIC
700AT150T277	MAGNETIC, 150W, 277V	MAGNETIC
700AT302EL	ELECTRONIC, 300W, 120V	ELV
700AT300T	MAGNETIC, 300W, 120V	MAGNETIC
700AT300T277	MAGNETIC, 300W, 277V	MAGNETIC

DO NOT LOAD TRANSFORMER ABOVE 70% OF RATED LOAD DUE TO IN-RUSH CURRENT. *CONSULT SPEC SHEETS FOR DIMENSIONS.

PROJECT INFO

FIXTURE TYPE & QUANTITY	JOB NAME & INFO	NOTES

ELEMENT
by Tech Lighting®

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