

The ELEMENT Merge 1.5 Suspended LED linear system represents the marriage of indirect downlight, independent uplight, and a track system; all in one system with independent control and outputs for optimal illumination and power conservation. With varying length components, Merge 1.5 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. Drop Down Spots, or many Tech Lighting low-voltage heads or pendants (using the FreeJack adapter) 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 adapter 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 450 lms/ft Uplight: 600 lms/ft or 350 lms/ft
WATTS	Downlight: 12 watts/ft or 7 watts/ft Uplight: 7.5 watts/ft or 4.5 watts/ft
EFFICACY	Downlight: 58 or 64 l/w Uplight: 80 l/w
CRI	80+ or 90+
CCT OPTIONS	2700K, 3000K, 3500K or Warm Color Dimming (3000K-2000K)
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 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

*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 (600 LPF)

LINEAR CHANNEL	FIXTURE OUTPUT (LMS)*	WATTAGE
2 FT	1400	15
4 FT	2800	30
6 FT	4200	45
8 FT	5600	60

*REPRESENTS 3500K/80CRI

UPLIGHT (350 LPF)

LINEAR CHANNEL	FIXTURE OUTPUT (LMS)*	WATTAGE
2 FT	925	9
4 FT	1850	18
6 FT	2775	27
8 FT	3700	36

*REPRESENTS 3500K/80CRI

DOWNLIGHT (700 LPF)

LINEAR CHANNEL	FIXTURE OUTPUT (LMS)*	WATTAGE
2 FT	1400	24
4 FT	2800	48
6 FT	4200	72
8 FT	5600	96

*REPRESENTS 3500K/80CRI

DOWNLIGHT (450 LPF)

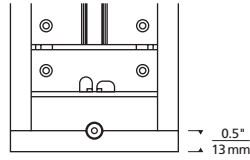
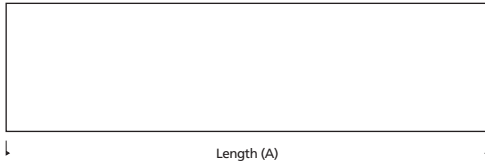
LINEAR CHANNEL	FIXTURE OUTPUT (LMS)*	WATTAGE
2 FT	900	14
4 FT	1800	28
6 FT	2700	42
8 FT	3600	56

*REPRESENTS 3500K/80CRI

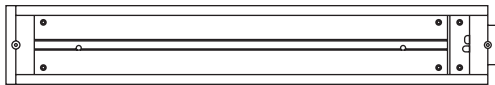
Optional

- **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 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)

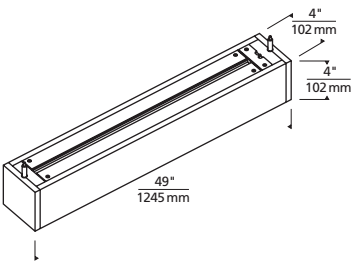
HOUSING



LINEAR
suspended top view



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	MOUNTING	CRI/COLOR TEMPERATURE	FINISH	CONTROLS	OPTIONAL
SLS1	2 2'	SR04 48" RIGID STEM	H0835 80 CRI, 3500K, HIGH DOWN ONLY	W MATTE WHITE	ELV0 ELV/0-10V DIMMING UNV*	LEAVE BLANK IF NO DESIRED OPTIONS -EM EMERGENCY BATTERY‡
	4 4'	SR08 96" RIGID STEM	H0927 90 CRI, 2700K, HIGH DOWN ONLY		ELDO ELDOLED 0.1% 0-10V LINEAR UNV*	
	6 6'	SA04 48" ADJUSTABLE CABLE	H0930 90 CRI, 3000K, HIGH DOWN ONLY		ELD0A ELDOLED 0.1% 0-10V LOGARITHMIC UNV*	
	8 8'	SA12 144" ADJUSTABLE CABLE	H0935 90 CRI, 3500K, HIGH DOWN ONLY		ELD1 ELDOLED 1% 0-10V LINEAR UNV*	
			H09WD 90 CRI, WARM DIM 3000-2000K, HIGH DOWN ONLY		ELD1A ELDOLED 1% 0-10V LOGARITHMIC UNV*	
			S0835 80 CRI, 3500K, STANDARD DOWN ONLY		HL2W LUTRON HI-LUME 1% 2 WIRE/PWM**	
			S0927 90 CRI, 2700K, STANDARD DOWN ONLY		HLECO LUTRON HI-LUME 1% ECOSYSTEM FADE-TO-BLACK UNV*	
			S0930 90 CRI, 3000K, STANDARD DOWN ONLY			
			S0935 90 CRI, 3500K, STANDARD DOWN ONLY			
			S09WD 90 CRI, WARM DIM 3000-2000K, STANDARD DOWN ONLY			
			0S835 80 CRI, 3500K, STANDARD UP ONLY			
			0S927 90 CRI, 2700K, STANDARD UP ONLY			
			0S930 90 CRI, 3000K, STANDARD UP ONLY			
			0S935 90 CRI, 3500K, STANDARD UP ONLY			
			0S9WD 90 CRI, WARM DIM 3000-2000K, STANDARD UP ONLY			
			0H835 80 CRI, 3500K, HIGH UP ONLY			
			0H927 90 CRI, 2700K, HIGH UP ONLY			
			0H930 90 CRI, 3000K, HIGH UP ONLY			
			0H935 90 CRI, 3500K, HIGH UP ONLY			
			0H9WD 90 CRI, WARM DIM 3000-2000K, HIGH UP ONLY			
			HS835 80 CRI, 3500K, HIGH DOWN/STANDARD UP			
			HS927 90 CRI, 2700K, HIGH DOWN/STANDARD UP			
			HS930 90 CRI, 3000K, HIGH DOWN/STANDARD UP			
			HS935 90 CRI, 3500K, HIGH DOWN/STANDARD UP			
			HS9WD 90 CRI, WARM DIM 3000-2000K, HIGH DOWN/STANDARD UP			
			SS835 80 CRI, 3500K, STANDARD DOWN/STANDARD UP			
			SS927 90 CRI, 2700K, STANDARD DOWN/STANDARD UP			
			SS930 90 CRI, 3000K, STANDARD DOWN/STANDARD UP			
			SS935 90 CRI, 3500K, STANDARD DOWN/STANDARD UP			
			SS9WD 90 CRI, WARM DIM 3000-2000K, STANDARD DOWN/STANDARD UP			
			HH835 80 CRI, 3500K, HIGH DOWN/HIGH UP			
			HH927 90 CRI, 2700K, HIGH DOWN/HIGH UP			
			HH930 90 CRI, 3000K, HIGH DOWN/HIGH UP			
			HH935 90 CRI, 3500K, HIGH DOWN/HIGH UP			
			HH9WD 90 CRI, WARM DIM 3000-2000K, HIGH DOWN/HIGH UP			
			SH835 80 CRI, 3500K, STANDARD DOWN/HIGH UP			
			SH927 90 CRI, 2700K, STANDARD DOWN/HIGH UP			
			SH930 90 CRI, 3000K, STANDARD DOWN/HIGH UP			
			SH935 90 CRI, 3500K, STANDARD DOWN/HIGH UP			
			SH9WD 90 CRI, WARM DIM 3000-2000K, STANDARD DOWN/HIGH UP			

SLS1

W

*UNV = 120V/277V INPUT VOLTAGE. ***HL2W - TWO WIRE LOW-VOLTAGE ELECTRONIC DIMMING, 120 VOLT ONLY. †EM OPTION ONLY AVAILABLE ON STATIC WHITE LINEAR CHANNELS (NO 9WD).

GRIDS

FINISHING KIT

SYSTEM	TYPE	STYLE	MOUNTING	FINISH
SLS1	FK	FINISHING KIT	1 CLOSED ENDCAP	W MATTE WHITE
			SR04 48" RIGID STEM	
			SR08 96" RIGID STEM	
			SA04 48" ADJUSTABLE CABLE	
			SA12 144" ADJUSTABLE CABLE	
SLS1	FK	1		W

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

POWER FEED CANOPY

SYSTEM	TYPE	FINISH
SLS3	PF POWER FEED ONLY	W MATTE WHITE
	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*	
SLS3		W

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

TRANSFORMERS*

(ORDERED SEPARATELY, WHEN POWERING LOW-VOLTAGE TRACK)

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.

T-BAR CLIPS

SYSTEM	SIZE	FINISH
GTB	09 9/16"	B BLACK
	15 15/16"	W WHITE

GTB

USED WHEN INSTALLING A SUSPENDED MERGE SYSTEM RUN ON A LAY-IN T-GRID CEILING, EACH SUSPENSION POINT REQUIRES ONE T-BAR CLIP. SHOWN WITH COUPLING INCLUDED WITH FIXTURE MOUNTING HARDWARE.

PROJECT INFO

FIXTURE TYPE & QUANTITY	JOB NAME & INFO	NOTES

ELEMENT
by Tech Lighting®

GENERATION BRANDS
7400 Linder Avenue, Skokie, Illinois 60077
T 847.410.4400 F 847.410.4500



© 2018 Tech Lighting, L.L.C. All rights reserved. The "Tech Lighting" graphic is a registered trademark of Tech Lighting, L.L.C. Tech Lighting reserves the right to change specifications for product improvements without notification.

PHOTOMETRICS: MERGE SUSPENDED

DESCRIPTION: Merge Suspended Direct LED
4' Linear Channel, 80 CRI, 3500K

MODEL: SLS145A04S0930W

INPUT POWER (WATTS): 37.5

INPUT POWER FACTOR: 0.99

ABSOLUTE LUMINOUS FLUX (LUMENS): 1929

LUMEN EFFICACY (LUMENS PER WATT): 51.4

ANGLE	0°	45°	90°
0°	612	612	612
5°	598	609	626
10°	593	604	621
15°	584	595	612
20°	571	582	600
25°	554	566	583
30°	532	546	562
35°	506	522	537
40°	475	492	506
45°	442	458	469
50°	406	419	415
55°	364	375	352
60°	319	315	286
65°	269	249	196
70°	215	174	89
75°	159	78	29
80°	102	18	16
85°	50	8	8
90°	4	2	1

