

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)

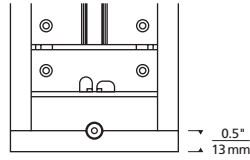
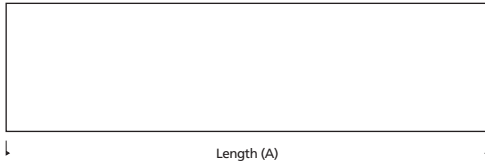
LINEAR CHANNEL	FIXTURE OUTPUT (LMS)*	WATTAGE
2 FT	900	14
4 FT	1800	28
6 FT	2700	42
8 FT	3600	56

\*REPRESENTS 3500K/80CRI

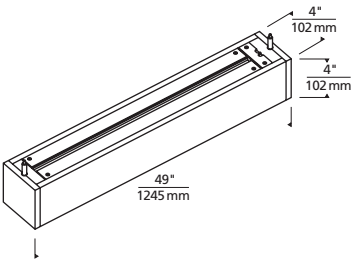
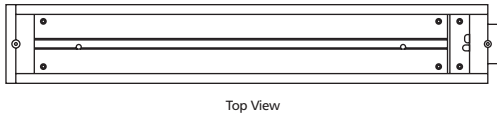
## Optional

- **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: 978 total lumens
  - 4', 6', & 8' EM linear channel: 1018 total lumens (illuminates 4' section of the 8' channel)

## HOUSING



LINEAR  
suspended top view

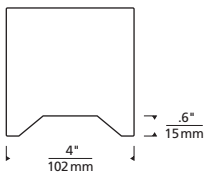


## DIMENSIONS

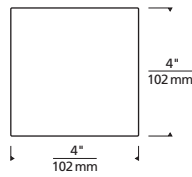
	LENGTH (A)
2' INDIVIDUAL	24"
4' INDIVIDUAL	48"
6' INDIVIDUAL	72"
8' INDIVIDUAL	96"

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

## END CAPS



OPEN



CLOSED

## 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*	EM LEAVE BLANK IF NO DESIRED OPTIONS EMERGENCY BATTERY‡		
	4 4'	SR08 96" RIGID STEM	H0927 90 CRI, 2700K, HIGH DOWN ONLY		ELDO ELD0 ELD0LED 0.1% 0-10V LINEAR UNV*			
	6 6'	SA04 48" ADJUSTABLE CABLE	H0930 90 CRI, 3000K, HIGH DOWN ONLY		ELD0A ELD0LED 0.1% 0-10V LOGARITHMIC UNV*			
	8 8'	SA12 144" ADJUSTABLE CABLE	H0935 90 CRI, 3500K, HIGH DOWN ONLY		ELD1 ELD0LED 1% 0-10V LINEAR UNV*			
			H09WD 90 CRI, WARM DIM 3000-2000K, HIGH DOWN ONLY		ELD1A ELD0LED 1% 0-10V LOGARITHMIC UNV*			
		S0835 80 CRI, 3500K, STANDARD DOWN ONLY	S0927 90 CRI, 2700K, STANDARD DOWN ONLY	S0930 90 CRI, 3000K, STANDARD DOWN ONLY	S0935 90 CRI, 3500K, STANDARD DOWN ONLY	S09WD 90 CRI, WARM DIM 3000-2000K, STANDARD DOWN ONLY	HL2W LUTRON HI-LUME 1% 2 WIRE/PWM**	HLECO LUTRON HI-LUME 1% ECOSYSTEM FADE-TO-BLACK UNV*
		O5835 80 CRI, 3500K, STANDARD UP ONLY	O5927 90 CRI, 2700K, STANDARD UP ONLY	O5930 90 CRI, 3000K, STANDARD UP ONLY	O5935 90 CRI, 3500K, STANDARD UP ONLY	O59WD 90 CRI, WARM DIM 3000-2000K, STANDARD UP ONLY		
		OH835 80 CRI, 3500K, HIGH UP ONLY	OH927 90 CRI, 2700K, HIGH UP ONLY	OH930 90 CRI, 3000K, HIGH UP ONLY	OH935 90 CRI, 3500K, HIGH UP ONLY	OH9WD 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
			2 OPEN ENDCAP	
			SR04 48" RIGID STEM	
			SR08 96" RIGID STEM	
			SA04 48" ADJUSTABLE CABLE	
			SA12 144" ADJUSTABLE CABLE	
SLS1	FK			W

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*	
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

### 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.

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®

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



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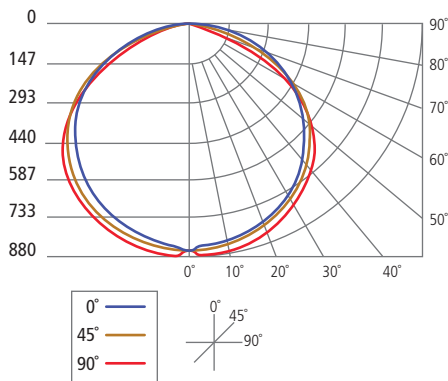
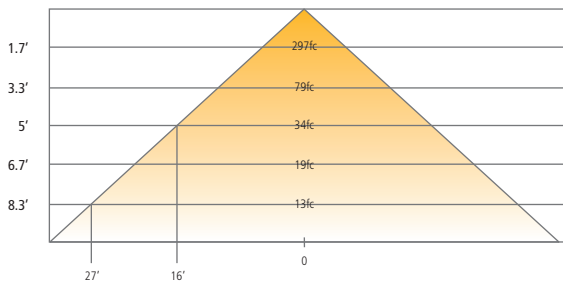
## PHOTOMETRICS: MERGE SUSPENDED

DESCRIPTION: Merge Suspended Direct LED High  
4' Linear Channel, 70 CRI, 3000K

MODEL: SLS14SA04H0930W

INPUT POWER (WATTS): 47.5  
 INPUT POWER FACTOR: 0.98  
 ABSOLUTE LUMINOUS FLUX (LUMENS): 2731  
 LUMEN EFFICACY (LUMENS PER WATT): 57.4

ANGLE	0°	45°	90°
0°	859	859	859
5°	842	854	878
10°	833	847	871
15°	820	834	859
20°	801	816	842
25°	775	793	820
30°	744	765	793
35°	706	731	757
40°	664	690	717
45°	617	644	668
50°	564	591	593
55°	506	531	508
60°	443	448	415
65°	373	357	290
70°	297	251	140
75°	217	112	37
80°	139	23	22
85°	66	10	10
90°	3	1	1



DESCRIPTION: Merge Suspended Direct LED Standard  
4' Linear Channel, 90 CRI, 3000K

MODEL: SLS14SA04S0930W

INPUT POWER (WATTS): 28.9  
 INPUT POWER FACTOR: 0.98  
 ABSOLUTE LUMINOUS FLUX (LUMENS): 1782  
 LUMEN EFFICACY (LUMENS PER WATT): 61.7

ANGLE	0°	45°	90°
0°	560	560	560
5°	550	556	572
10°	544	551	567
15°	535	543	559
20°	523	532	549
25°	507	517	534
30°	486	498	517
35°	462	476	494
40°	433	451	468
45°	402	420	436
50°	369	386	388
55°	331	348	333
60°	289	294	271
65°	245	235	189
70°	196	164	93
75°	144	75	27
80°	93	16	14
85°	45	6	6
90°	2	1	1

