

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
- 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

	HIGH OUTPUT	STANDARD OUTPUT
DELIVERED LUMENS	Downlight: 650 lms/ft Uplight: 600 lms/ft	Downlight: 450 lms/ft Uplight: 350 lms/ft
WATTS	Downlight: 12 watts/ft Uplight: 7.5 watts/ft	Downlight: 7 watts/ft Uplight: 4.5 watts/ft
EFFICACY	Downlight: 54 l/w Uplight: 80 l/w	Downlight: 64 l/w Uplight: 80 l/w
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	Flanged (field paintable), with 4.8" width overlapping ceiling cutout	
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	
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	



MERGE
shown suspended

PERFORMANCE

HIGH OUTPUT UPLIGHT (600 LPF)

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

*REPRESENTS 3500K/80CRI

STANDARD OUTPUT UPLIGHT (350 LPF)

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

*REPRESENTS 3500K/80CRI

HIGH OUTPUT DOWNLIGHT (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 DOWNLIGHT (450 LPF)

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

*REPRESENTS 3500K/80CRI

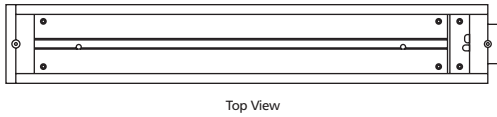
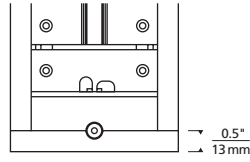
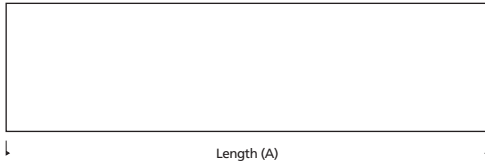
Optional

- **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)

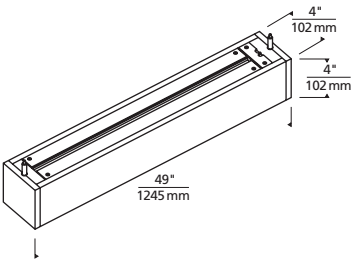
*Visit ELEMENT-lighting.com for specific warranty limitations and details.
**Consult Quotes Department for additional driver options.

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.

HOUSING



LINEAR
suspended top view

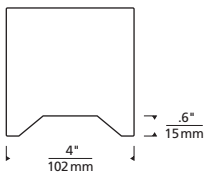


DIMENSIONS

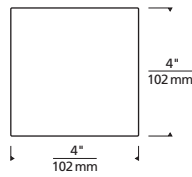
	LENGTH (A)
4' INDIVIDUAL	48"
6' INDIVIDUAL	72"
8' INDIVIDUAL	96"

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

END CAPS



OPEN



CLOSED

GRIDS

SYSTEM	NOMINAL LENGTH	MOUNTING	DOWNLIGHT OUTPUT	UPLIGHT OUTPUT	CRI/CCT	FINISH	CONTROLS	OPTIONAL
SLS1	4 4 FT	SR04 48" RIGID STEM	H HIGH OUTPUT, 650 LMS/FT	H HIGH OUTPUT, 600 LMS/FT	835 80 CRI, 3500K	W MATTE WHITE	ELV0 ELV / 0-10V DIMMING UNV†	EM 120V EMERGENCY BATTERY BACK-UP W/ REMOTE TEST SWITCH (NON-IC ONLY)‡
	6 6 FT	SR08 96" RIGID STEM	5 STANDARD OUTPUT, 450 LMS/FT	5 STANDARD OUTPUT, 350 LMS/FT	927 90 CRI, 2700K		ELD0 ELDOLED 0.1% 0-10V LINEAR UNV†	
	8 8 FT	SA04 48" ADJUSTABLE CABLE	0 NO DOWNLIGHT††	0 NO UPLIGHT††	930 90 CRI, 3000K 935 90 CRI, 3500K 9WD 90 CRI, WARM DIM, 3000-2000K		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 0.1% ECO-SYSTEM FADE-TO-BLACK UNV†	
		SA12 144" ADJUSTABLE CABLE						

SLS1

W

*HL2W – 2 WIRE LOW-VOLTAGE ELECTRONIC DIMMING, 120 VOLT ONLY.
†UNV = 120V/277V INPUT VOLTAGE.

††CANNOT SELECT '00' NO DOWNLIGHT/NO UPLIGHT. 0H, 0S NOT AVAILABLE WITH EM.

‡EM OPTION ONLY AVAILABLE ON STATIC WHITE (NO WARM DIM). 0H, 0S NOT AVAILABLE WITH EM.

FINISHING KIT

SYSTEM	TYPE	STYLE	MOUNTING	FINISH
SLS1	FK FINISHING KIT	1 CLOSED ENDCAP	SR04 48" RIGID STEM	W MATTE WHITE
		2 OPEN ENDCAP	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
SLS1	PFM POWER FEED W/MOUNTING POINT	W MATTE WHITE
	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*	
SLS1		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
SLS	9 9/16"	B BLACK
	15 15/16"	W WHITE

SLS

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

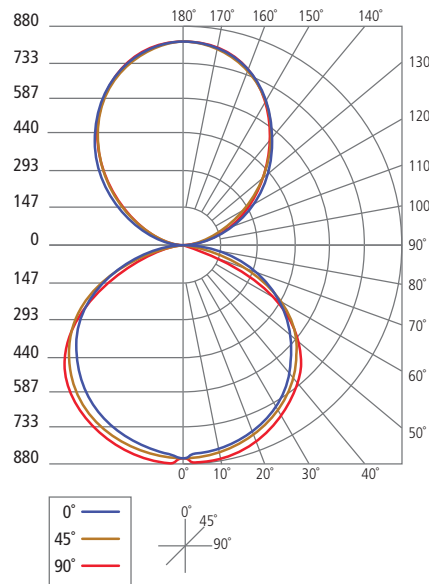
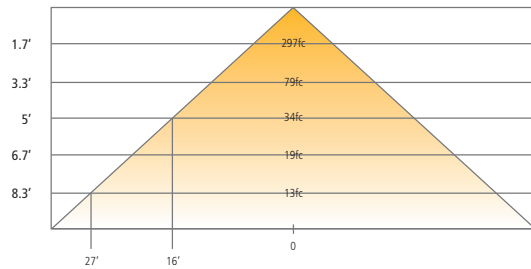
PHOTOMETRICS: MERGE SUSPENDED

DESCRIPTION: Merge Suspended Direct/Indirect LED High 4' Linear Channel, 90 CRI, 3000K

MODEL: SLS14SA04HH930W

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
95°	39	11	9
100°	102	54	34
105°	171	131	94
110°	246	216	175
115°	326	301	266
120°	406	387	358
125°	488	473	450
130°	570	558	542
135°	656	642	636
140°	737	724	725
145°	814	805	811
150°	886	879	892
155°	951	946	962
160°	1007	1003	1021
165°	1054	1048	1065
170°	1086	1081	1097
175°	1105	1102	1116
180°	1111	1111	1111

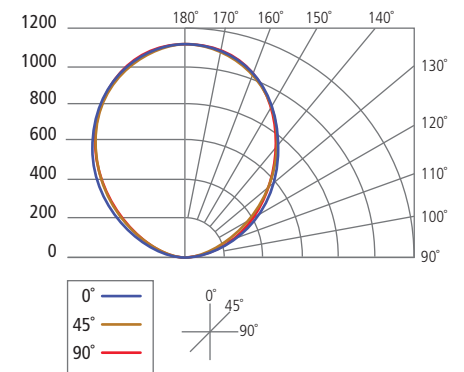
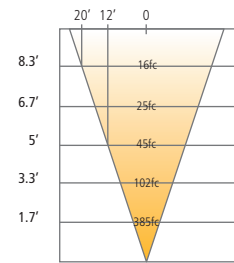


DESCRIPTION: Merge Suspended Indirect LED High 4' Linear Channel, 80 CRI, 3000K

MODEL: SLS14SA040H930WELV0

INPUT POWER (WATTS): 29.7
 INPUT POWER FACTOR: 0.99
 ABSOLUTE LUMINOUS FLUX (LUMENS): 2766
 LUMEN EFFICACY (LUMENS PER WATT): 93.1

ANGLE	0°	45°	90°
90°	0	0	0
95°	38	9	7
100°	99	51	32
105°	168	129	91
110°	244	214	173
115°	323	298	263
120°	405	383	356
125°	487	469	448
130°	570	555	540
135°	654	639	632
140°	736	724	723
145°	811	804	810
150°	885	879	890
155°	951	946	962
160°	1007	1002	1021
165°	1054	1048	1065
170°	1087	1081	1098
175°	1106	1102	1117
180°	1112	1112	1112



PHOTOMETRICS: MERGE SUSPENDED

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

