

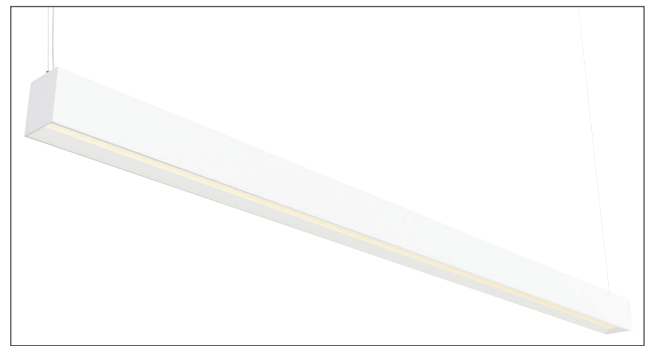
The ELEMENT Merge 1.5 Suspended LED linear system represents the marriage of indirect downlight, independent uplight, and a track system; all in one system with independent control and outputs for optimal illumination and power conservation. With varying length components, Merge 1.5 Suspended can be 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.

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 | | ELD0A ELDOLED 0.1% 0-10V LOGARITHMIC UNV† | |
| | | SA12 144" ADJUSTABLE CABLE | | | 935 90 CRI, 3500K | | ELD1 ELDOLED 1% 0-10V LINEAR UNV† | |
| | | | | | 9WD 90 CRI, WARM DIM, 3000-2000K | | 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† | |

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 |

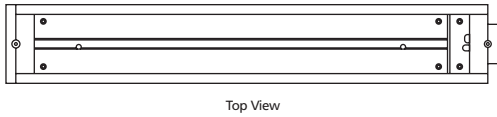
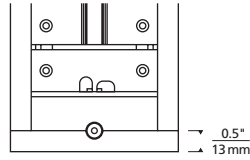
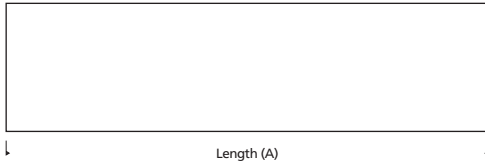
SLS

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.

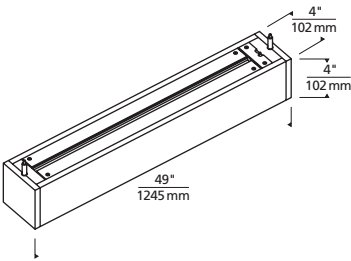
PROJECT INFO

| FIXTURE TYPE & QUANTITY | JOB NAME & INFO | NOTES |
|-------------------------|-----------------|-------|
| | | |
| | | |

HOUSING



LINEAR
suspended top view

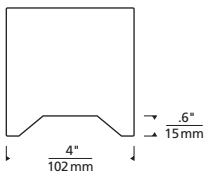


DIMENSIONS

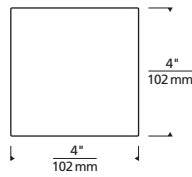
| | LENGTH (A) |
|---------------|------------|
| 4' INDIVIDUAL | 48" |
| 6' INDIVIDUAL | 72" |
| 8' INDIVIDUAL | 96" |

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

END CAPS



OPEN



CLOSED

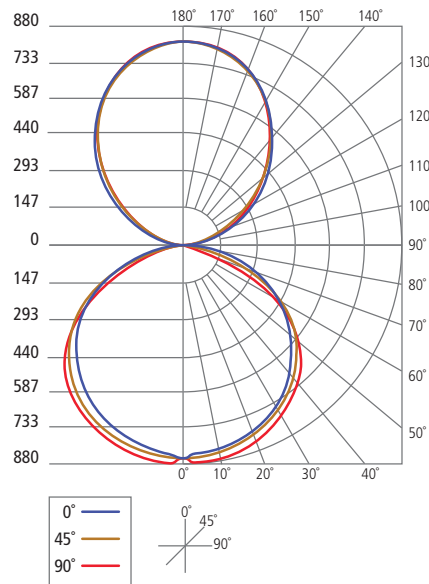
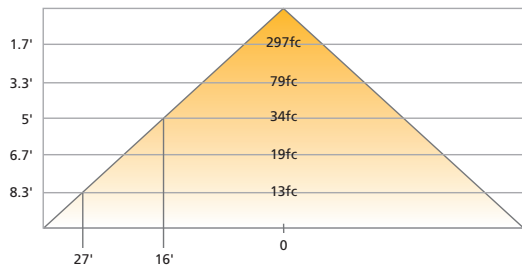
PHOTOMETRICS: MERGE SUSPENDED

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 |

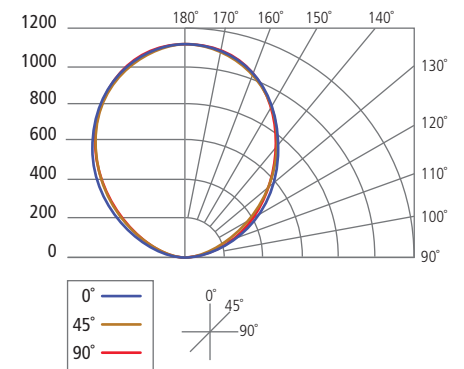
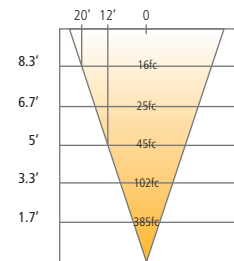


DESCRIPTION: Merge Suspended Indirect LED High 4' Linear Channel, 80 CRI, 3000K

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 |

