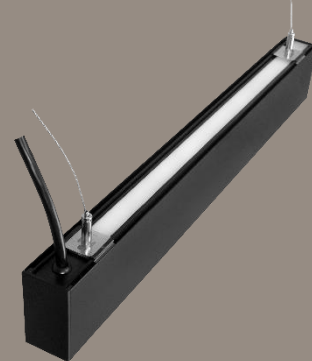




# SPINEL SLIM

## LINEAR FIXTURES

Linear architectural lighting



The SPINEL SLIM series is a revolutionary compact product with the ability to adjust lumen output and offers a variety of uplight and downlight options. It even offers the unique option of 100% uplight. Whether its pendant mount or wall mount, the installation process is simple and will result in an elegant lighting solution.

Project: \_\_\_\_\_

Qty: \_\_\_\_\_

Notes: \_\_\_\_\_

### OPERATING & ELECTRICAL

**Input voltage** 120-347V

**Power factor** 0.9

**Total harmonic distortion (THD)** <20%

**Dimming** 0-10V external dimming down to 10%

### PERFORMANCE

**Lumens per Watt** 88 LPW at 90CRI white

75 LPW at 90CRI black

**Power** 20 to 100W

**Distribution** Lambertian: STANDARD (30%

up, 70% down), 100U (100% up), 6040D (60% up, 40% down)

### MECHANICAL & HOUSING

**Housing** Extruded aluminum for increased rigidity and strength

**Lens** Highly durable polycarbonate lens ensures high efficiency light output for a clean, evenly illuminated surface with minimal glare. High transmittance lens allowing for a smooth, diffused light pattern.

**Finish** Aeralux nebula white, Aeralux

atomic black anti-glare finishes, Silver RAL7044

**Power Supply** Factory wired electronic LED driver

**LED Board** Discrete LED

### APPLICATION CONDITION

**Ambient temperature range** -10 to 40°C

### COMPATIBLE MOUNTING

**Mounting** Suspended (2x 6FT suspension cables standard with fixture purchase), wall mount

### WARRANTY

**System warranty** 5 years

**Lumen maintenance** Rated for 85% initial lumen output at 50,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES). (L85 at 50,000 hours)

### ORDERING GUIDE

EXAMPLE: AE-SF-SPS-A-CA-450-B-N30-010-PL-WH

| AE-SF-SPS   | -A              | -CA                                   | -2                  | 20                  | -B              | -P           | 30               | -010                                       | -PL                                   | -WH                                |  |
|---|-----------------|---------------------------------------|---------------------|---------------------|-----------------|--------------|------------------|--|---------------------------------------|------------------------------------|--|
| FIXTURE FAMILY  | GEN             | VOLTAGE                               | SIZE                | POWER               | ACCENT          | CRI          | CCT              | DIMMING                                    | LENS                                  | FINISH                             | BEAM   |
| AE-SF-SPS<br>Aeralux Spinel Slim linear architectural fixture | -A<br>First GEN | -CA<br>120-347Vac input voltage range | -2<br>2 feet length | 30<br>20/30W*       | -B<br>No Accent | -P<br>90 CRI | -30<br>3000K CCT | -010<br>0-10V external dimming down to 10% | -PL<br>Full length polycarbonate lens | -WH<br>Aeralux Nebula White finish | [LEAVE BLANK]<br>30% up light, 70% downlight |
|   |                 |                                       | -4<br>4 feet length | 50<br>30/40/50W**   |                 |              | -35<br>3500K CCT |  |                                       |                                    |  |
|   |                 |                                       | -6<br>6 feet length | 80<br>50/60/80W***  |                 |              | -40<br>4000K CCT |  |                                       |                                    | -BK<br>Aeralux Atomic Black finish           |
|   |                 |                                       | -8<br>8 feet length | 100<br>60/80/100W** |                 |              | -50<br>5000K CCT |  |                                       |                                    | -SV<br>Silver – RAL7044                      |
|   |                 |                                       |                     |                     |                 |              |                  |  |                                       |                                    | -60U40D<br>60% up light, 40% downlight       |

Next page for power switchable options



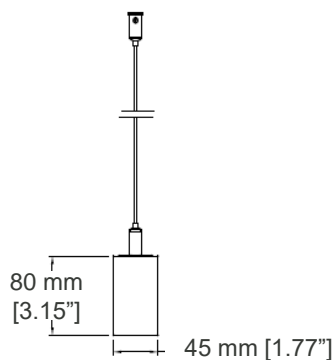
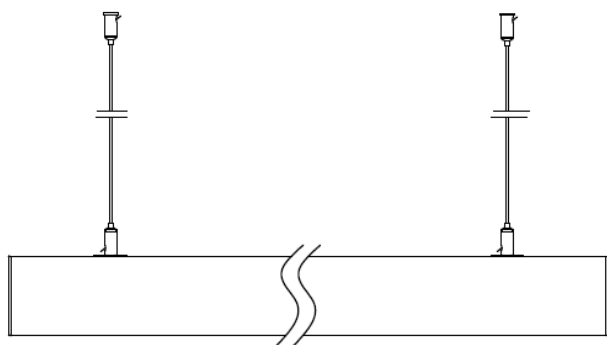
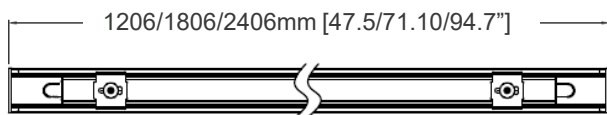
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### POWER SWITCHABLE OPTIONS

|     |               |  |                 |  |
|-----|---------------|--|-----------------|--|
| 2FT | Avg 82<br>LPW | 20/30 watts switchable*<br>Uplight 100% - 20W Only           | 20W – 1640 lms  | 6W up-light, 14Wdownlight/ 12W up-light, 8W downlight    |
|     |               |  | 30W - 2460 lms  | 9W up-light, 21W downlight/ 18W up-light, 12W downlight  |
| 4FT |               | 30/40/50 watts switchable**<br>Uplight 100% - 30/40W Only    | 30W – 2460 lms  | 9W up-light, 21W downlight/ 18W up-light, 12W downlight  |
|     |               |  | 40W - 3280 lms  | 12W up-light, 28W downlight/ 24W downlight, 16W up-light |
|     |               |  | 50W - 4100 lms  | 15W up-light, 35W downlight/ 30W up-light, 20W downlight |
| 6FT |               | 50/60/80 watts switchable***<br>Uplight 100% - 50/60W Only   | 50W - 4100 lms  | 15W up-light, 35W downlight/30W up-light, 20W downlight  |
|     |               |  | 60W - 4920 lms  | 18W up-light, 42W downlight/36W up-light, 24W downlight  |
|     |               |  | 80W - 6560 lms  | 24W up-light, 56W downlight/ 48W up-light, 32W downlight |
| 8FT |               | 60/80/100 watts switchable****<br>Uplight 100% - 60/80W Only | 60W - 4920 lms  | 18W up-light, 42W downlight/ 36W up-light, 24W downlight |
|     |               |  | 80W - 6560 lms  | 24W up-light, 56W downlight/ 48W up-light, 32W downlight |
|     |               |  | 100W - 8200 lms | 30W up-light, 70W downlight, 60W up-light, 40W downlight |

### PRODUCT DIMENSIONS

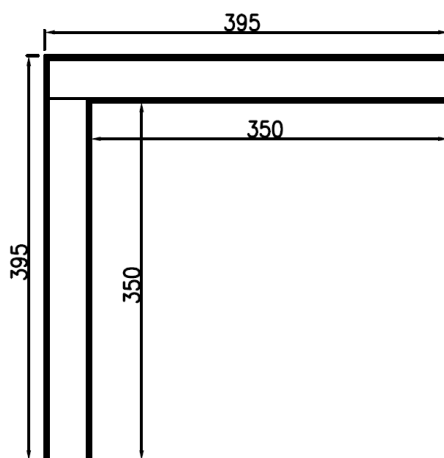
AE-SF-SPS-A-CA



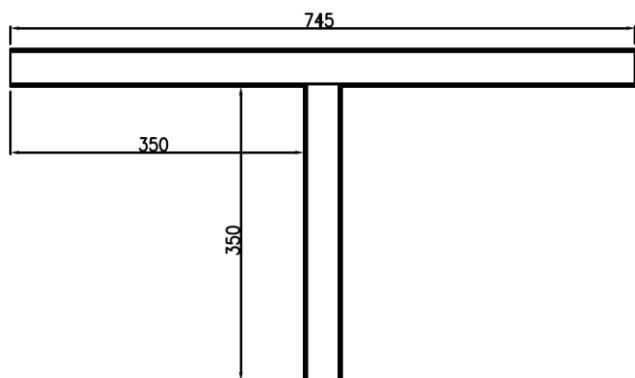
### DIMENSIONS

Connection Accessories ordered separately

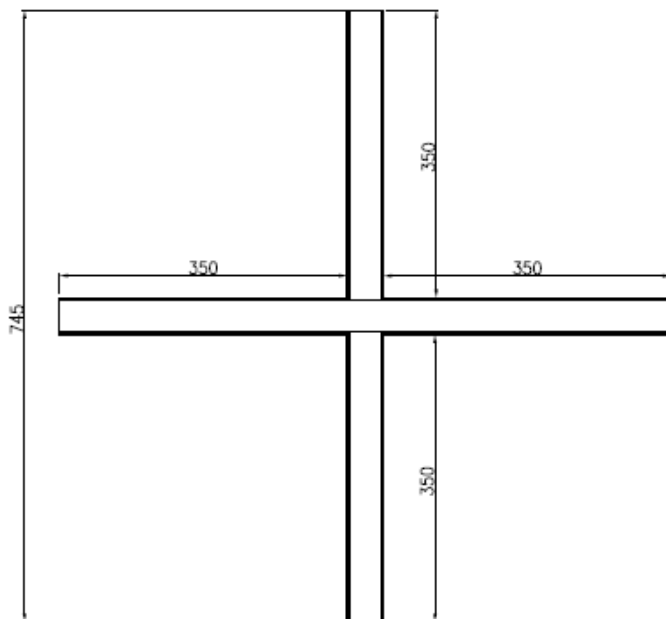
**AE-SF-SPS-A-CA-L-30-PXX-PL-XX**



**AE-SF-SPS-A-CA-T-40-PXX-PL-XX**



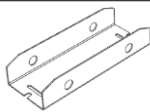





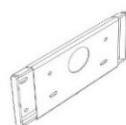


**AE-SF-SPS-A-CA-X-50-PXX-PL-XX**



### ACCESSORIES

Ordered separately, field installed

| Part Number  | Description   | Picture   |
|--|---|---|
| AE-SF-CANOPY-WH-4IN<br>AE-SF-CANOPY-BK-4IN                         | Canopy Cover kit: 4" diameter – 2 pieces<br>White or Black                        |    |
| AE-SF-CANOPY-WH-5IN<br>AE-SF-CANOPY-BK-5IN                         | Canopy Cover kit: 5" diameter - 2 pieces<br>White or Black                        |    |
| AE-SF-LINK-NR  | Linkable Metal Accessory – 1 piece<br>Fixture wired for continuous mounting       |    |
| AE-SF-PWRCORD-WH<br>AE-SF-PWRCORD-BK                               | 8FT power cord – 120-277V - White<br>8FT power cord – 120-277V - Black            |    |
| AE-SF-PWRCORD-HV-WH<br>AE-SF-PWRCORD-HV-BK                         | 8FT power cord – 120-347V - White<br>8FT power cord – 120-347V - Black            |    |
| AE-SF-A-SPS-A-CA-L-30-PXX-PL-WH<br>AE-SF-A-SPS-A-CA-L-30-PXX-PL-BK | L-shape link-White<br>L-shape link-Black<br>*NOT CURRENTLY AVAILABLE FOR RECESSED |   |
| AE-SF-A-SPS-A-CA-T-40-PXX-PL-WH<br>AE-SF-A-SPS-A-CA-T-40-PXX-PL-BK | T-shape link-White<br>T-shape link-Black<br>*NOT CURRENTLY AVAILABLE FOR RECESSED |  |
| AE-SF-A-SPS-A-CA-X-50-PXX-PL-WH<br>AE-SF-A-SPS-A-CA-X-50-PXX-PL-BK | +shape link-White<br>+shape link-Black<br>*NOT CURRENTLY AVAILABLE FOR RECESSED   |  |
| AE-SF-WMB-WH<br>AE-SF-WMB-BK                                       | Wall mount kit – 2 pieces   |  |

### LUMEN ESTIMATE

Lumen output varies based on CCT and CRI. An estimate of lumen output of the various CCT/CRI combinations, use correction factors as per table below:

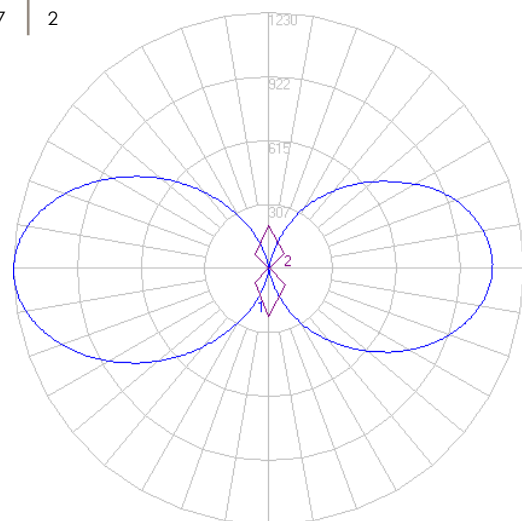
| Lumen estimate adjustment factors |       |       |       |       |
|-----------------------------------|-------|-------|-------|-------|
| CCT                               | 2700K | 3000K | 3500K | 4000K |
| NORMAL (80CRI)                    | 0.91  | 0.94  | 0.97  | 1     |

### PHOTOMETRIC DATA

AE-SF-SPS-A-CA-454-B-P50-010-PL-WH

| Coefficients of utilization |   |     |     |     |     |     |     |     |     |     |    |    |
|-----------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| Ceiling                     | 80%   |     |     |     | 70% |     | 50% |     | 30% |     | 0% |    |
| Wall                        | 70%   | 50% | 30% | 10% | 50% | 10% | 50% | 10% | 50% | 10% | 0  |    |
| RCR                         | Zonal Cavity Method – Effective floor reflectance = 20% |     |     |     |     |     |     |     |     |     |    |    |
| Room Cavity Ratio           | 0   | 107 | 107 | 107 | 107 | 99  | 99  | 83  | 83  | 69  | 69 | 50 |
|                             | 1   | 91  | 84  | 77  | 72  | 77  | 66  | 63  | 54  | 50  | 44 | 28 |
|                             | 2   | 80  | 70  | 61  | 53  | 63  | 49  | 51  | 40  | 41  | 32 | 18 |
|                             | 3   | 72  | 59  | 49  | 41  | 54  | 38  | 43  | 31  | 34  | 24 | 13 |
|                             | 4   | 65  | 51  | 41  | 33  | 46  | 30  | 37  | 24  | 29  | 19 | 9  |
|                             | 5   | 59  | 45  | 35  | 27  | 40  | 25  | 33  | 20  | 25  | 15 | 7  |
|                             | 6   | 54  | 39  | 30  | 23  | 36  | 21  | 29  | 17  | 22  | 13 | 5  |
|                             | 7   | 49  | 35  | 26  | 19  | 32  | 17  | 26  | 14  | 20  | 10 | 4  |
|                             | 8   | 46  | 31  | 23  | 17  | 29  | 15  | 23  | 12  | 18  | 9  | 3  |
|                             | 9   | 42  | 28  | 20  | 14  | 26  | 13  | 21  | 10  | 16  | 8  | 3  |
| 10                          | 39  | 26  | 18  | 12  | 24  | 11  | 19  | 9   | 15  | 7   | 2  |    |

| Zonal lumen |        |         |        |
|-------------|--------|---------|--------|
| Zone        | Lumens | Zone    | Lumens |
| 0-10        | 0.3    | 90-100  | 656.15 |
| 10-20       | 9.63   | 100-110 | 595.31 |
| 20-30       | 50.54  | 110-120 | 489.88 |
| 30-40       | 129.34 | 120-130 | 363.26 |
| 40-50       | 235.08 | 130-140 | 239.39 |
| 50-60       | 358.91 | 140-150 | 131.72 |
| 60-70       | 485.25 | 150-160 | 51.6   |
| 70-80       | 591.86 | 160-170 | 9.75   |
| 80-90       | 654.71 | 170-180 | 0.27   |





# SPINEL SLIM

## LINEAR FIXTURES

Linear architectural lighting



### DIRECT AND INDIRECT LIGHT

The Spinel Series provides both uplight and downlight enhancing your project space.

### FINISH

Aeralux anti-glare white and black colorways reduce object glare and provide an elegant finish. Both are standard finishes.



### CONTINUOUS MOUNTING

Seamless in both appearance and light when connected together for continuous runs.



### CCT SWITCHABLE

Using a DIP switch adjust between 3000/4000/5000K or 3000/3500/4000K.



### ACCESSORIES

4FT suspension cables come standard with fixture purchase. Multiple accessories such as canopy cover kits, and mounting bracket kits.

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1-514-447-7598 | 1-630-534-2589  
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