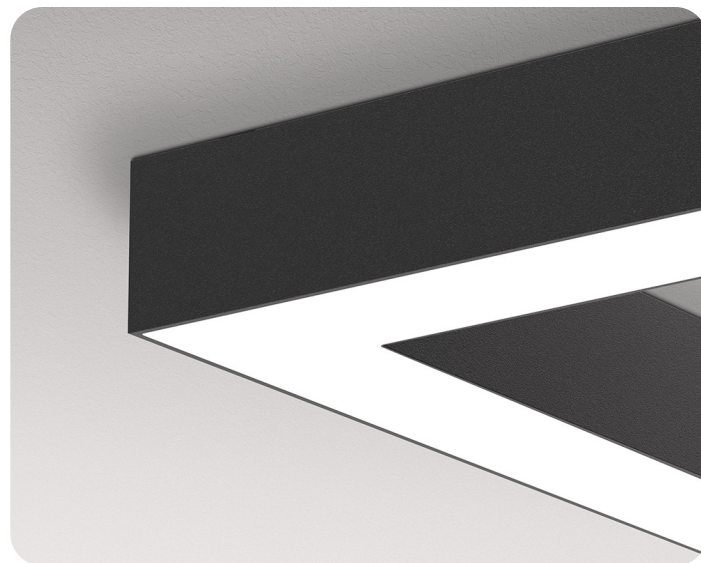


## Beam Shape Surface

### Key Features

- Extruded aluminum single piece housing
- Continuous lensing standard – runs up to 100'
- Soft diffuse direct lighting
- Light levels can be factory set
- 0-10V dimming to 1% is standard
- Efficacy up to 135 lm/W
- Consult factory for TM21, TM30, LM79 and LM80



## Specifications

### Construction

- Continuous extruded 6063 T5 aluminum
- Mechanically attached end caps with no exposed fasteners enhance architectural aesthetic and prevent light leak.

### Dimensions

- Nominal dimensions: 3.5" x 3.5"
- Nominal thickness: 0.075"

### Finish

- Powder coated
- Colors: White, Black, Silver or Premium Finishes
- End Caps: Color-matched to housing
- Custom colors available. Consult factory for more information.

### Luminaire Length

- Standard individual lengths: 2', 4', 6' or 8'
- Fixture and run lengths are available in 1/8" increments.
- Using internal joiners, sections can be joined to form longer, continuous rows.

### Source

- CCT options: 2700K, 3000K, 3500K, 4000K, or 5000K
- All within 3 MacAdam ellipses
- 90 CRI (R9 50 min) available

### Lensing

- 0.060" thick impact resistant acrylic lens
- Snap-in lens and reflector for easy install

### Operating Temperature

- -40°C to 50°C (-40°F to 122°F)

### Lithium Ion Battery

- Provides up to 780 lm (6W) or up to 1300 lm (10W) for 90 minutes.
- Certifications: UL924 listed, Class 2 compliant, and Title 20 CEC (California Energy Commission) compliant

### Dimming (Integral) Driver

- Constant current programmable LED driver
- Output current: 0-10V, dim to 1% (UL listed, Class P)
- Ring wave surge protection: 2.5KV ring
- Power factor: >0.90

### Generator Transfer Device

- Luminaires with GTD option provides a UL924 shunt relay to bypass normal power, switches, and 0-10V dimming.

### Certifications

- Build America Buy America compliant
- Buy American Act compliant
- Intertek cETLus Listed
- DLC listed
- RoHS (Restriction of Hazardous Substances)
- JA8 compliant
- Suitable for dry and damp locations

### Packaging

- Sustainably manufactured outside cardboard box and biodegradable, protective poly-foam luminaire inserts.

### Warranty

- 5-year limited warranty.



## Ordering Logic

BEAMD-4X6RECT-750-SD-35K-80-PW-SM-U-1C-1EMB10

| Series | Length <sup>1</sup>        | Direct Output <sup>2</sup> | Direct Distribution                      | CCT                                                     | CRI                            |
|--------|----------------------------|----------------------------|------------------------------------------|---------------------------------------------------------|--------------------------------|
| BEAMD  |                            |                            |                                          |                                                         |                                |
|        | <b>_X_RECT</b> - Rectangle | <b>250</b> - 250 LPF       | <b>SD</b> - SatinIce Diffuse             | <b>27K</b> - 2700K                                      | <b>80</b> - 80 CRI             |
|        | <b>_X_L</b> - L-Shape      | <b>500</b> - 500 LPF       | <b>WD</b> - Wide Diffuse                 | <b>30K</b> - 3000K                                      | <b>90</b> - 90 CRI (R9 50 min) |
|        | <b>_X_X_U</b> - U-Shape    | <b>750</b> - 750 LPF       | <b>WW</b> - Wall Wash                    | <b>35K</b> - 3500K                                      |                                |
|        | <b>_X_T</b> - T-Shape      | <b>1000</b> - 1000 LPF     | <b>GRZ</b> - Wall Graze                  | <b>40K</b> - 4000K                                      |                                |
|        | <b>_X_X_X_X</b> - X-Shape  | <b>XXX</b> - Custom LPF    | <b>Drop Lens w/ Lit Ends<sup>3</sup></b> | <b>50K</b> - 5000K                                      |                                |
|        |                            |                            | <b>DLE05</b> - 0.5"                      | <b>TW</b> - Tunable White <sup>4</sup><br>(2700K-6500K) |                                |
|        |                            |                            | <b>DLE10</b> - 1.0"                      |                                                         |                                |
|        |                            |                            | <b>DLE15</b> - 1.5"                      |                                                         |                                |

| Finish <sup>5</sup>                          | Mounting                  | Voltage             | Circuiting                                   | Emergency                                                     |
|----------------------------------------------|---------------------------|---------------------|----------------------------------------------|---------------------------------------------------------------|
|                                              | SM                        |                     |                                              |                                                               |
| <b>Standard Powder Coat</b>                  | <b>SM</b> - Surface Mount | <b>U</b> - 120-277V | <b>1C</b> - Single Circuit                   | <b>BLANK</b> - None                                           |
| <b>PW</b> - White                            |                           | <b>C</b> - 347V     | <b>MC</b> - Multiple Circuits <sup>6,7</sup> | <b>EC</b> - Emergency Circuit <sup>10</sup>                   |
| <b>PB</b> - Black                            |                           |                     | <b>DL</b> - Daylight Control <sup>6,8</sup>  | <b>#EMB6</b> - 6W EM Battery <sup>11,12</sup>                 |
| <b>PS</b> - Silver                           |                           |                     | <b>NL</b> - Night Lights <sup>6,9</sup>      | <b>#EMB10</b> - 10W EM Battery <sup>11,12</sup>               |
| <b>Premium</b>                               |                           |                     |                                              | <b>#FCEMB10</b> - 10W EM Battery <sup>12,13</sup>             |
| <b>RALXXXX</b> - Powder Coat<br>Gloss Finish |                           |                     |                                              | <b>#FCEMB14</b> - 14W EM Battery <sup>12,13</sup>             |
| <b>PSFX</b> - Premium Stock Finish           |                           |                     |                                              | <b>#GTD</b> - Generator Transfer Device w/ ALCR <sup>14</sup> |
| <b>Custom Powder Coat</b>                    |                           |                     |                                              |                                                               |
| <b>PO</b> - Powder Other                     |                           |                     |                                              |                                                               |

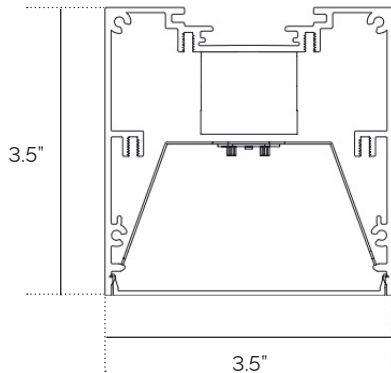
### Options

| Specialty Drivers <sup>15</sup>                                                     | Sensors                                                                          |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| <b>DT1</b> - eldoLED EcoDrive Dim to 1% (0-10V)                                     | <b>DMXX%</b> - Daylight/Motion Sensor (XX%-% Min. Dimming)                       |
| <b>DTZ</b> - eldoLED SoloDrive Dim to 0.1% (0-10V)                                  | <b>VDO</b> - Lutron Vive Integral Fixture Control (RF w/ Daylight and Occupancy) |
| <b>PSRD</b> - Philips Sensor Ready (DALI) Driver                                    | <b>AWNRR</b> - Lutron Athena Wireless Node (RF Only) <sup>19</sup>               |
| <b>LDE1</b> - Lutron Hi-Lume EcoSystem LED Driver w/ Soft-on, Fade-to-Black         | <b>AWNS</b> - Lutron Athena Wireless Node w/ Sensor <sup>19</sup>                |
| <b>TW-A</b> - Tunable White, 0-10V <sup>16</sup>                                    | <b>NLA</b> - Acuity nLight Air <sup>18</sup>                                     |
| <b>TW-EL</b> - eldoLED DUALdrive Tunable White (DALI) <sup>16</sup>                 | <b>NLW</b> - Acuity nLight Wired <sup>18</sup>                                   |
| <b>LD2</b> - Lutron DALI 2 Digital Tunable White Driver w/ 1% Dimming <sup>17</sup> | <b>WVL</b> - Cooper Wavelinx <sup>18</sup>                                       |
| <b>HD-XX</b> - HyperDrive Remote Driver <sup>18</sup>                               |                                                                                  |
|                                                                                     | <b>Other</b>                                                                     |
|                                                                                     | <b>OTD</b> - Outdoor                                                             |

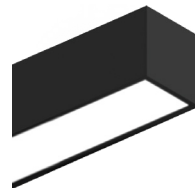
### Ordering Notes

1. Replace underscore ( \_ ) with fixture leg length. See page 8.
2. 200 LPF min. output / 1500 LPF max. output.
3. Seamless continuous lens unavailable for Drop Lens options.
4. Tunable White Driver must be specified in options.
5. See page 3 for standard and premium options.
6. Customer to specify number of zones and locations through factory submittal drawings.
7. Multiple low and line control zones.
8. Multiple low voltage control zones for daylight control.
9. Multiple unswitched wires for night light control zones.
10. '#' indicates number per run.
11. Provided by Iota/Bodine.
12. EM battery is factory choice.
13. Separate power, transfer devices provided by others.
14. Iota EDS-DR Emergency Control Device
15. Standard driver is 0-10V, dim to 1% output current.
16. 75 Watt Max. Dual driver required for higher fixture wattage.
17. 50 Watt Max. Dual driver required for higher fixture wattage.
18. Consult factory.
19. Athena sensor matches finish for white and black fixtures.

## Dimensions



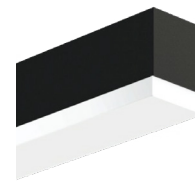
## Diffusing



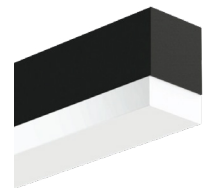
**Flush**  
3.5" Height



**DLE05**  
4.0" Height



**DLE10**  
4.5" Height



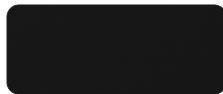
**DLE15**  
5.0" Height

## Finishes

### Standard



**PW:** White



**PB:** Black



**PS:** Silver

### Premium Stock



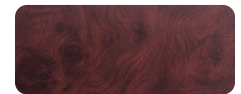
**PSF001:** Wood 1



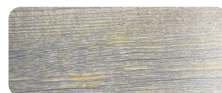
**PSF002:** Wood 2



**PSF003:** Wood 3



**PSF004:** Wood 4



**PSF005:** Wood 5



**PSF006:** Wood 6



**PSF007:** Stone 1



**PSF008:** Stone 2

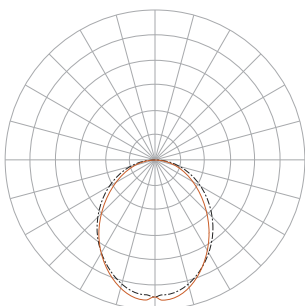


**PSF009:** Stone 3

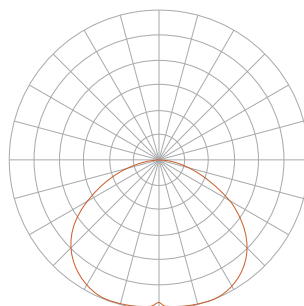
**NOTE:** A minimal impact to lead times will apply to products specified with Premium Stock Finishes (PSF). It is not to be assumed that these finishes are stocked in our warehouse, but rather, are readily available to us for your project.

All other custom finishes (PO) will incur a set up fee and will add an extended lead time to your project.

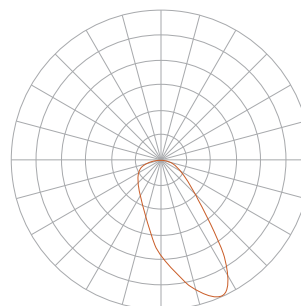
## Distribution



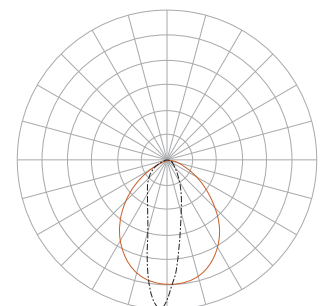
**Direct:** SatinIce Diffuse (SD)



**Direct:** Wide Diffuse (WD)



**Direct:** Wall Wash (WW)



**Direct:** Wall Graze (GRZ)



## Performance

### Power

| Direct<br>LPF | Total<br>Lumens | Satin Diffuse (SD) |       | Wide Diffuse (WD) |       | Wall Wash (WW) |       |
|---------------|-----------------|--------------------|-------|-------------------|-------|----------------|-------|
|               |                 | LPW                | W/ft. | LPW               | W/ft. | LPW            | W/ft. |
| 300           | 2800            | 130                | 3     | 124               | 3     | 125            | 3     |
| 500           | 4000            | 130                | 4     | 124               | 4     | 125            | 4     |
| 750           | 6000            | 130                | 6     | 124               | 6     | 125            | 6     |
| 1000          | 8000            | 130                | 8     | 124               | 8     | 125            | 8     |

**NOTE:** Based on 8' lengths at 35K CCT and 80 CRI modules. All wattage values are rounded up. Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%.

### Wattage Multiplier

| CRI    | CCT   | 4' Length | 8' Length |
|--------|-------|-----------|-----------|
| 80 CRI | 3000K | 1.11      | 1.05      |
|        | 3500K | 1.05      | 1.00      |
|        | 4000K | 1.03      | 0.98      |
|        | 5000K | 1.02      | 0.97      |
| 90 CRI | 3000K | 1.17      | 1.11      |
|        | 3500K | 1.11      | 1.05      |
|        | 4000K | 1.08      | 1.03      |
|        | 5000K | 1.07      | 1.02      |

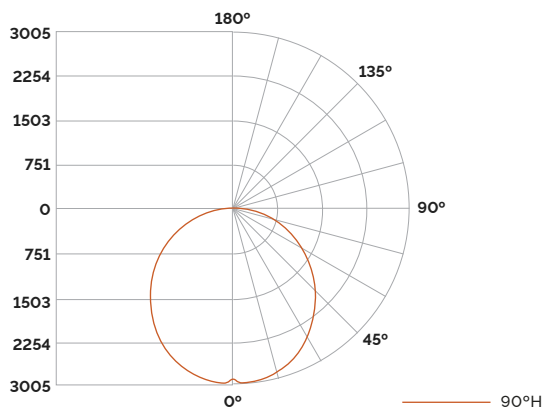
### Multiplier How-To

**To determine CRI/CCT configuration wattage:**

Choose wattage from Power matrix for desired optic and lumen output for 8' fixture length.

Wattage x Multiplier = New Configuration Wattage

### BEAMD-8-1000-SD-35K-80



### Luminance Data (cd/sq.m)

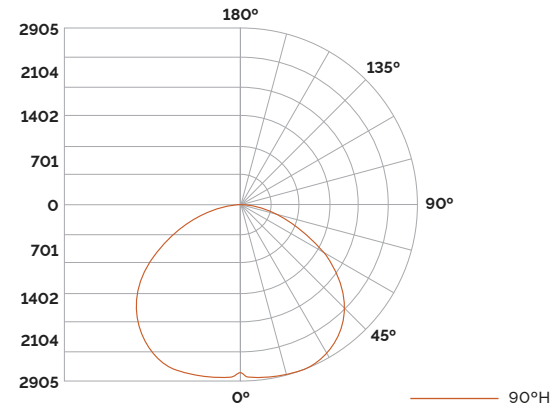
| Angles | Avg. 0° | Avg. 45° | Avg. 90° |
|--------|---------|----------|----------|
| 45°    | 10,586  | 10,610   | 10,819   |
| 55°    | 10,136  | 10,045   | 10,256   |
| 65°    | 9,464   | 9,278    | 9,548    |
| 75°    | 8,153   | 8,214    | 8,591    |
| 85°    | 6,139   | 6,705    | 7,191    |

### Candela Table

| Vertical<br>Angle | Horizontal Angle |      |      |      |      |
|-------------------|------------------|------|------|------|------|
|                   | 0                | 22.5 | 45   | 67.5 | 90   |
| 0                 | 2955             | 2955 | 2955 | 2955 | 2955 |
| 5                 | 2922             | 2910 | 2927 | 2961 | 2993 |
| 10                | 2877             | 2859 | 2878 | 2912 | 2945 |
| 15                | 2800             | 2778 | 2797 | 2831 | 2864 |
| 20                | 2692             | 2669 | 2690 | 2722 | 2753 |
| 25                | 2555             | 2533 | 2560 | 2587 | 2616 |
| 30                | 2396             | 2376 | 2404 | 2430 | 2457 |
| 35                | 2218             | 2202 | 2231 | 2253 | 2277 |
| 40                | 2032             | 2014 | 2042 | 2062 | 2085 |
| 45                | 1838             | 1818 | 1842 | 1858 | 1878 |
| 50                | 1640             | 1613 | 1633 | 1647 | 1644 |
| 55                | 1427             | 1400 | 1414 | 1430 | 1444 |
| 60                | 1210             | 1179 | 1190 | 1204 | 1218 |
| 65                | 982              | 954  | 963  | 978  | 991  |
| 70                | 746              | 727  | 738  | 753  | 765  |
| 75                | 518              | 504  | 522  | 537  | 546  |
| 80                | 307              | 300  | 321  | 336  | 341  |
| 85                | 131              | 126  | 143  | 149  | 154  |
| 90                | 0                | 0    | 0    | 0    | 0    |

## Performance

### BEAMD-8-1000-WD-35K-80



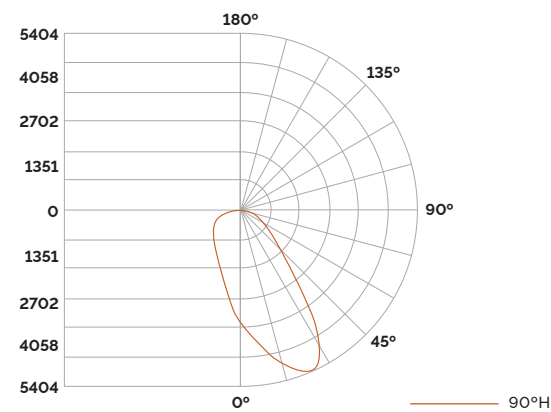
#### Luminance Data (cd/sq.m)

| Angles | Avg. 0° | Avg. 45° | Avg. 90° |
|--------|---------|----------|----------|
| 45°    | 10,149  | 13,009   | 14,522   |
| 55°    | 9,349   | 12,588   | 13,771   |
| 65°    | 8,460   | 11,631   | 12,333   |
| 75°    | 7,128   | 9,857    | 10,097   |
| 85°    | 4,894   | 6,673    | 6,869    |

### Candela Table

| Vertical Angle | Horizontal Angle |      |      |      |      |
|----------------|------------------|------|------|------|------|
|                | 0                | 22.5 | 45   | 67.5 | 90   |
| 0              | 2698             | 2698 | 2698 | 2698 | 2698 |
| 5              | 2668             | 2662 | 2682 | 2719 | 2757 |
| 10             | 2626             | 2625 | 2669 | 2730 | 2780 |
| 15             | 2541             | 2554 | 2649 | 2741 | 2802 |
| 20             | 2425             | 2461 | 2602 | 2729 | 2801 |
| 25             | 2281             | 2342 | 2535 | 2696 | 2769 |
| 30             | 2115             | 2204 | 2442 | 2615 | 2698 |
| 35             | 1933             | 2044 | 2317 | 2503 | 2587 |
| 40             | 1743             | 1867 | 2164 | 2350 | 2423 |
| 45             | 1548             | 1679 | 1984 | 2157 | 2215 |
| 50             | 1354             | 1477 | 1781 | 1931 | 1973 |
| 55             | 1157             | 1272 | 1558 | 1680 | 1704 |
| 60             | 966              | 1057 | 1313 | 1408 | 1416 |
| 65             | 771              | 841  | 1060 | 1130 | 1124 |
| 70             | 577              | 630  | 800  | 846  | 836  |
| 75             | 398              | 427  | 550  | 575  | 564  |
| 80             | 228              | 244  | 317  | 330  | 324  |
| 85             | 92               | 94   | 125  | 131  | 129  |
| 90             | 0                | 0    | 0    | 0    | 0    |

### BEAMD-8-1000-WW-35K-80



#### Luminance Data (cd/sq.m)

| Angles | Avg. 0° | Avg. 45° | Avg. 90° |
|--------|---------|----------|----------|
| 45°    | 5,250   | 10,930   | 11,206   |
| 55°    | 3,258   | 6,363    | 9,613    |
| 65°    | 2,098   | 3,674    | 7,896    |
| 75°    | 1,078   | 1,854    | 5,864    |
| 85°    | 235     | 387      | 2,659    |

### Candela Table

| Vertical Angle | Horizontal Angle |      |      |      |      |
|----------------|------------------|------|------|------|------|
|                | 0                | 22.5 | 45   | 67.5 | 90   |
| 0              | 3379             | 3379 | 3379 | 3379 | 3379 |
| 5              | 3913             | 3894 | 3703 | 3487 | 3278 |
| 10             | 4475             | 4392 | 4035 | 3615 | 3211 |
| 15             | 4991             | 4840 | 4383 | 3731 | 3100 |
| 20             | 5306             | 5105 | 4614 | 3826 | 2939 |
| 25             | 5392             | 5177 | 4708 | 3849 | 2742 |
| 30             | 4632             | 4647 | 4675 | 3767 | 2518 |
| 35             | 3262             | 3510 | 4350 | 3597 | 2277 |
| 40             | 2192             | 2449 | 3696 | 3361 | 2034 |
| 45             | 1602             | 1748 | 2889 | 3042 | 1771 |
| 50             | 1232             | 1317 | 2169 | 2651 | 1511 |
| 55             | 979              | 1021 | 1612 | 2209 | 1251 |
| 60             | 784              | 797  | 1183 | 1763 | 1004 |
| 65             | 602              | 606  | 861  | 1326 | 776  |
| 70             | 438              | 434  | 605  | 933  | 563  |
| 75             | 285              | 277  | 387  | 599  | 372  |
| 80             | 150              | 145  | 208  | 319  | 205  |
| 85             | 55               | 45   | 68   | 108  | 71   |
| 90             | 0                | 0    | 0    | 0    | 0    |

## Row Configurations

### XX (Run Length)

The standard construction of run lengths follows the logic of the table below. Consult factory for additional information. Run lengths always start with the longest fixture and receives the power feed.

**NOTE:** Fixtures in continuous runs are available in 6" increments. Consult factory for smaller increments.

| Total Length<br>(Feet) | # of Sections |   |   |   |   |   |   |
|------------------------|---------------|---|---|---|---|---|---|
|                        | 2             | 3 | 4 | 5 | 6 | 7 | 8 |
| 2                      | 1             |   |   |   |   |   |   |
| 3                      |               | 1 |   |   |   |   |   |
| 4                      |               |   | 1 |   |   |   |   |
| 5                      |               |   |   | 1 |   |   |   |
| 6                      |               |   |   |   | 1 |   |   |
| 7                      |               |   |   |   |   | 1 |   |
| 8                      |               |   |   |   |   |   | 1 |
| 9                      |               |   | 1 | 1 |   |   |   |
| 10                     |               |   | 1 |   | 1 |   |   |
| 11                     |               | 1 |   |   |   |   | 1 |
| 12                     |               |   | 1 |   |   |   | 1 |
| 13                     |               |   |   | 1 |   |   | 1 |
| 14                     |               |   |   |   | 1 |   | 1 |
| 15                     |               |   |   |   |   | 1 | 1 |
| 16                     |               |   |   |   |   |   | 2 |
| 17                     |               |   | 1 | 1 |   |   | 1 |
| 18                     |               |   | 1 |   | 1 |   | 1 |
| 19                     |               | 1 |   |   |   |   | 2 |
| 20                     |               |   | 1 |   |   |   | 2 |
| 21                     |               |   |   | 1 |   |   | 2 |
| 22                     |               |   |   |   | 1 |   | 2 |
| 23                     |               |   |   |   |   | 1 | 2 |
| 24                     |               |   |   |   |   |   | 3 |
| 25                     |               |   | 1 | 1 |   |   | 2 |
| 26                     |               |   | 1 |   | 1 |   | 2 |
| 27                     |               | 1 |   |   |   |   | 3 |
| 28                     |               |   | 1 |   |   |   | 3 |
| 29                     |               |   |   | 1 |   |   | 3 |
| 30                     |               |   |   |   | 1 |   | 3 |
| 31                     |               |   |   |   |   | 1 | 3 |
| 32                     |               |   |   |   |   |   | 4 |
| 33                     |               |   | 1 | 1 |   |   | 3 |
| 34                     |               |   | 1 |   | 1 |   | 3 |
| 35                     |               | 1 |   |   |   |   | 4 |
| 36                     |               |   | 1 |   |   |   | 4 |
| 37                     |               |   |   | 1 |   |   | 4 |
| 38                     |               |   |   |   | 1 |   | 4 |
| 39                     |               |   |   |   |   | 1 | 4 |
| 40                     |               |   |   |   |   |   | 5 |

### SXX (Symmetric Run)

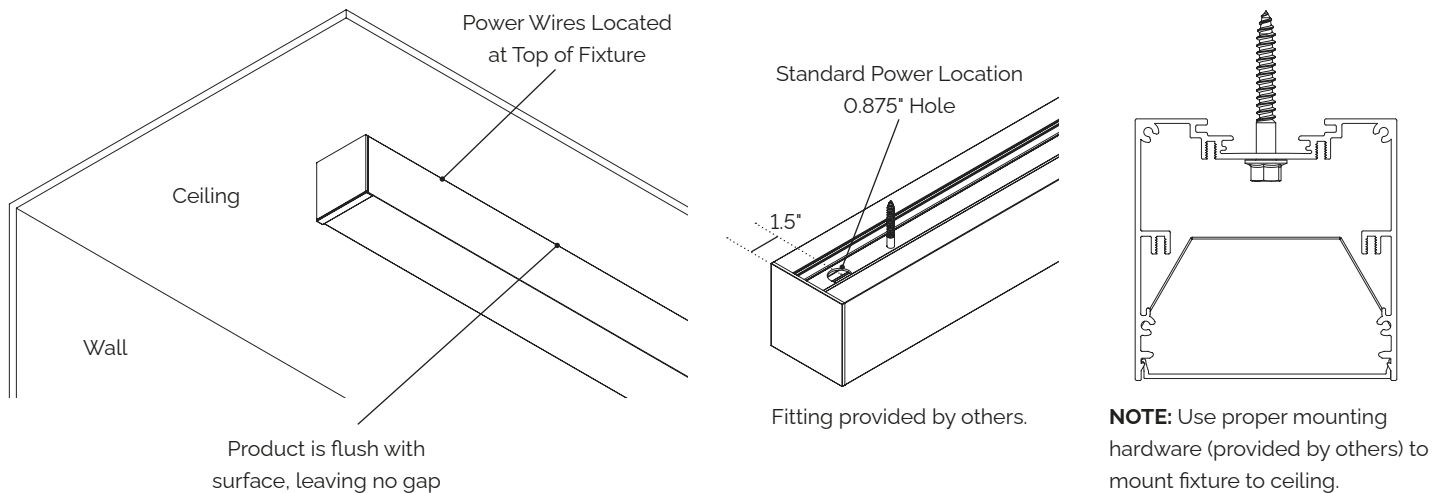
The construction of SXX (y') is to build with equal length fixtures. The xx indicates the run length. The y' indicates the fixture length used to create the run. Please indicate this on your P.O. when placing your order.

|           |    |    |    |    |    |    |
|-----------|----|----|----|----|----|----|
| S12' (2') | 2' | 2' | 2' | 2' | 2' | 2' |
| S12' (3') | 3' | 3' | 3' | 3' |    |    |
| S12' (4') | 4' | 4' | 4' |    |    |    |
| S12' (6') | 6' | 6' |    |    |    |    |

## Mounting

### SM (Surface Mount)

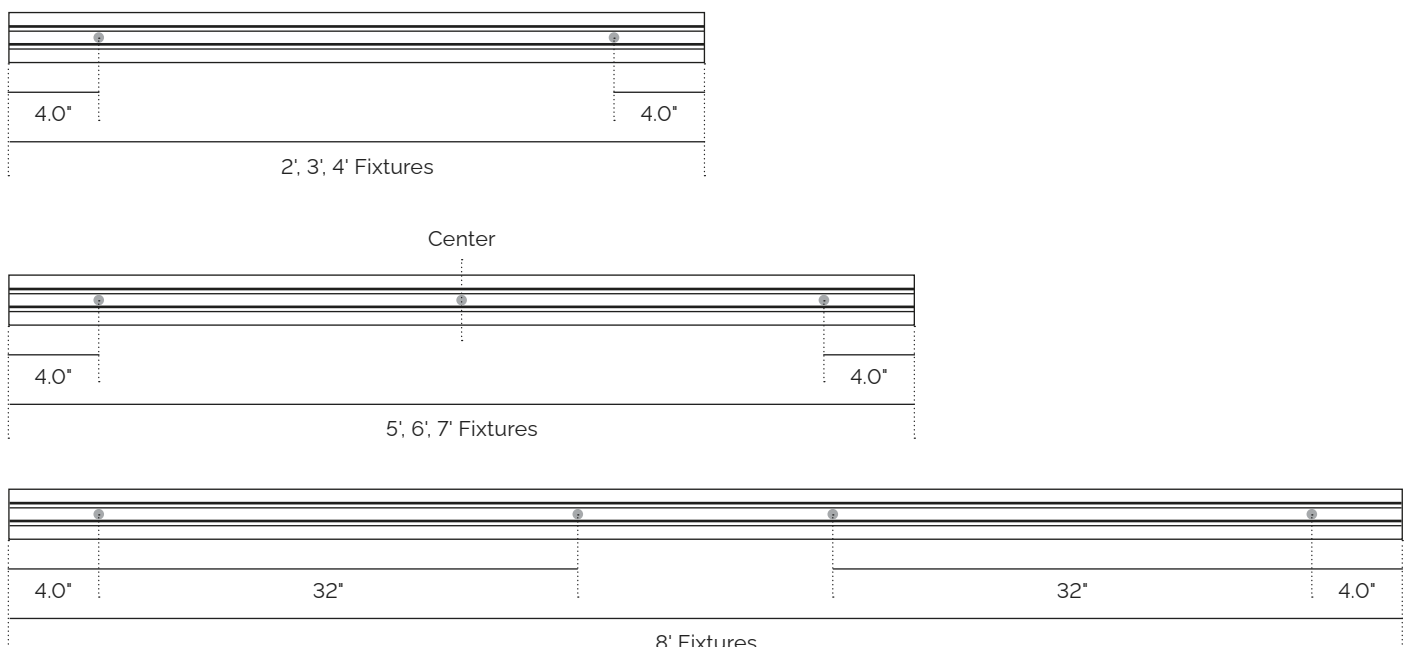
**NOTE:** If a different configuration or power location is needed to meet an aesthetic requirement, please indicate this when placing your order and contact the factory.



## Mounting Locations

### Individual Fixtures

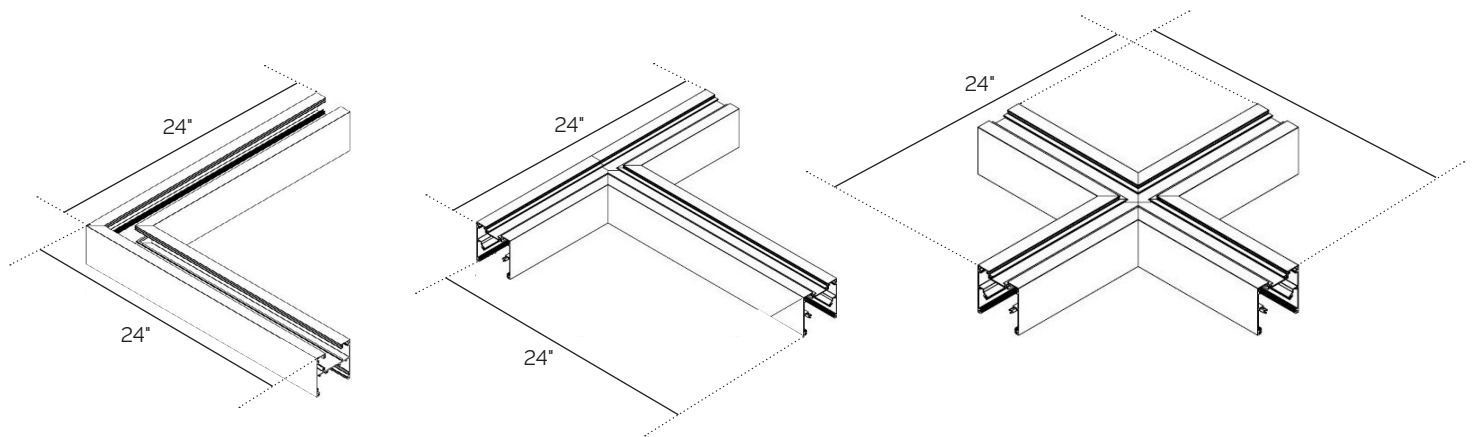
Mounting locations (●) will vary dependent on fixture length. See below for individual fixtures and runs showing the top of fixtures.



## Shape Configuration

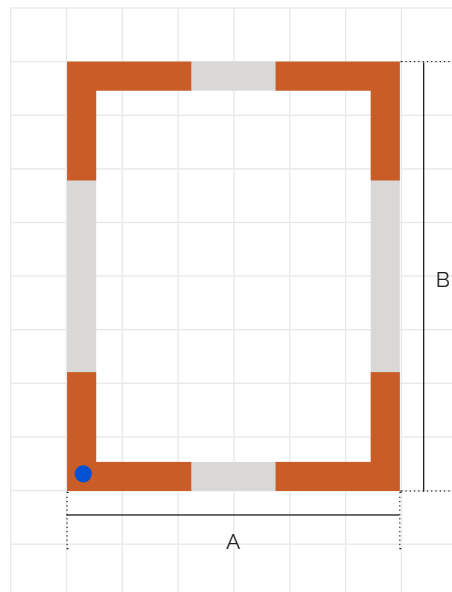
### Joint Shape Configuration with Miter Cuts

Example: Standard stock 24" x 24" joint configurations are provided as shown below.



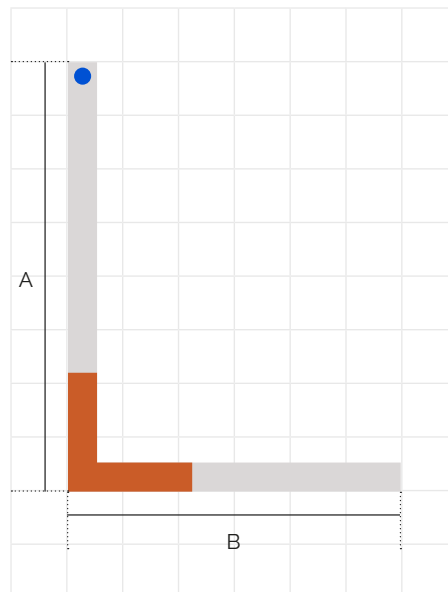
#### Rectangle (\_X\_RECT)

Provide AxB dimensions



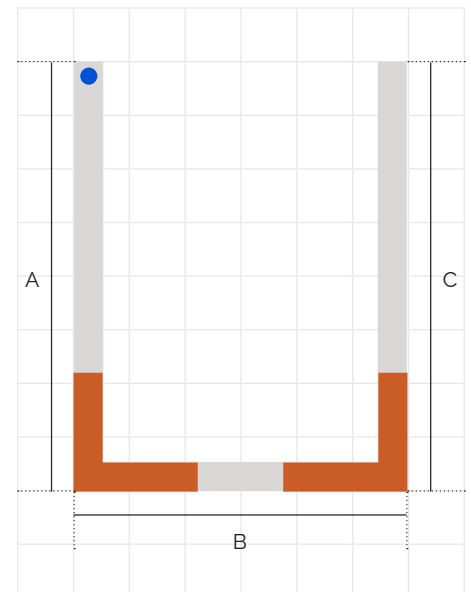
#### L-Shape (\_X\_L)

Provide AxB dimensions



#### U-Shape (\_X\_X\_U)

Provide AxBxC dimensions

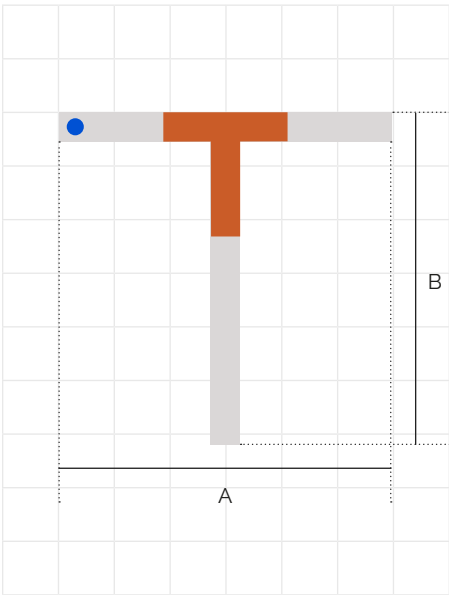


● Power Location

Shape Configuration

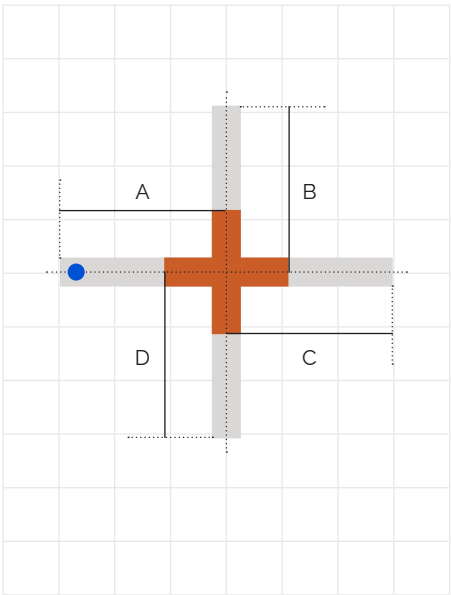
T-Shape (\_X\_T)

Provide AxB dimensions



X-Shape (\_X\_X\_X\_X)

Provide AxBxCxD dimensions



Power Location

Mounting Locations

Continuous Runs

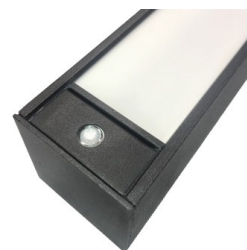
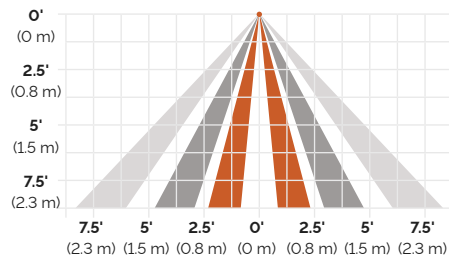
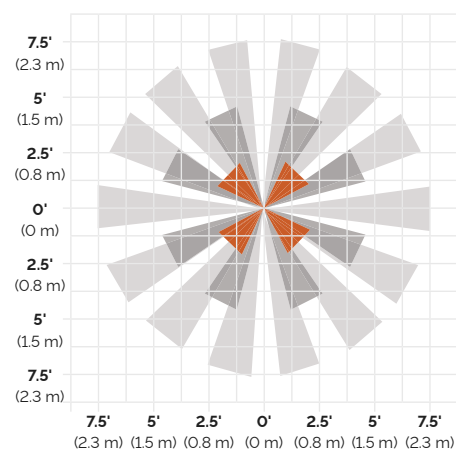
Mounting locations (●) will vary dependent on fixture length. See below for individual fixtures and runs views show top of fixtures.

|         |   |   |    |   |   |    |    |   |   |   |    |    |   |   |   |    |   |
|---------|---|---|----|---|---|----|----|---|---|---|----|----|---|---|---|----|---|
| 12' Run | ● | ● | 8' | ● | ● | 4' | ●  |   |   |   |    |    |   |   |   |    |   |
| 16' Run | ● | ● | 8' | ● | ● | ●  | 8' | ● | ● |   |    |    |   |   |   |    |   |
| 20' Run | ● | ● | 8' | ● | ● | ●  | 8' | ● | ● | ● | 4' | ●  |   |   |   |    |   |
| 24' Run | ● | ● | 8' | ● | ● | ●  | 8' | ● | ● | ● | ●  | 8' | ● | ● |   |    |   |
| 28' Run | ● | ● | 8' | ● | ● | ●  | 8' | ● | ● | ● | ●  | 8' | ● | ● | ● | 4' | ● |

## Controls

### Sensor

Wattstopper FS-205 v2 Low Voltage PIR. Integrated photosensor for hold-off daylighting control. 24VDC operating voltage. Adjustable time delay (30 seconds to 30 minutes).



### Wireless Node

