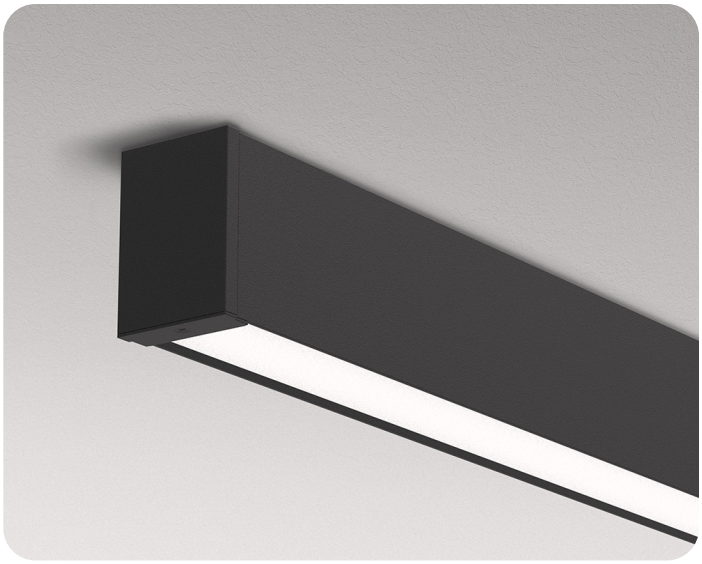
STARTEK
ARCHITECTURAL LIGHTING

Rep/Agent		Type	
Project			
Order No.		Date	

Aqua Slim Surface
Direct



Key Features

- Extruded aluminum single piece housing
- Soft diffuse direct lighting
- Fixtures can be linked together for continuous rows
- Lumen output can be factory set
- 0-10V dimming to 1% is standard
- Efficacy up to 130 lm/W
- Wet Location Rated

5 Year Warranty | BABA Compliant | BAA Compliant | Wet Location | Intertek | RoHS Compliant

Specifications

Construction

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

Dimensions

- Nominal dimensions: 2.0" x 3.0"

Finish

- Powder coated
- Colors: White, Black, Silver, Bronze 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 1/16" 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
- Soft diffuse direct lighting

Operating Temperature

- -40°C to 50°C (-40°F to 122°F)

Lithium Ion Battery

- Provides up to 720 lm (6W) or up to 1200 lm (10W) for 90 minutes.
- Certifications: UL924 listed, Class 2 compliant, and Title 20 CEC (California Energy Commission) compliant

Dimming 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

Certifications

- Build America Buy America compliant
- Buy American Act compliant
- Intertek cETLus Listed
- RoHS (Restriction of Hazardous Substances)
- JA8 compliant
- Suitable for wet locations

Packaging

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

Warranty

- 5-year limited warranty

Ordering Logic

SAQUAD-8-1000-SD-35K-80-PW-SM(T)-U-1C-1EMB10

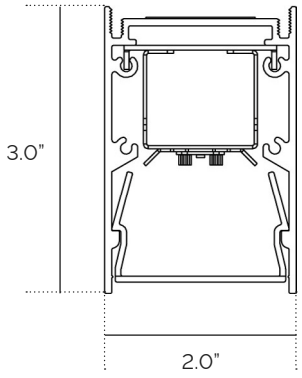
Series	Length	Direct Output[1]	Direct Distribution	CCT	CRI
SAQUAD					
	XX - Run Length	**250 -** 250 LPF	**SD -** SatinIce Diffuse	**27K -** 2700K	**80 -** 80 CRI
	SXX - Symmetrical Run Length	**500 -** 500 LPF	**WW -** Wall Wash	**30K -** 3000K	**90 -** 90 CRI (R9 50 min)
		750 - 750 LPF		**35K -** 3500K	
		1000 - 1000 LPF		**40K -** 4000K	
		XXX - Custom LPF		**50K -** 5000K	

Finish[2]	Mounting	Voltage	Circuiting	Emergency	Options
		U			
Standard Powder Coat	**SM(T) -** Top-Fed Power	**U -** 120-277V	**1C -** Single Circuit	**BLANK -** None	**SRG -** Surge Protector
PW - White	**SM(E) -** End-Fed Power		**MC -** Multiple Circuits[3, 4]	**EC -** Emergency Circuit[7]	**MLR -** Large Range Motion Sensor[12]
PB - Black	**SM(S) -** Side-Fed Power		**DL -** Daylight Control[4, 5]	**#EMB6 -** 6W EM Battery[8, 9, 10]	
PS - Silver			**NL -** Night Lights[4, 6]	**#EMB10 -** 10W EM Battery[8, 9, 10]	
PBR - Bronze				**#GTD -** Generator Transfer Device w/ ALCR[11]	
Premium					
RALXXXX - Powder Coat Gloss Finish					
PSFX - Premium Stock Finish					
Custom Powder Coat					
PO - Powder Other					

Ordering Notes

1. 200 LPF min. output / 1500 LPF max. output.
2. See page 3 for standard and premium options.
3. Customer to specify number of zones and locations through factory submittal drawings.
4. Multiple low and line control zones.
5. Multiple low voltage control zones for daylight control.
6. Multiple unswitched wires for night light control zones.
7. Separate power, transfer devices provided by others.
8. '#' indicates number per run.
9. Provided by Iota/Bodine.
10. Not available with 2' fixtures.
11. Iota EDS-DR Emergency Control Device
12. Motion sensor option removes the ability to dim.

Dimensions



Lumen Packages

Length	Lumens	Input Wattage	LPW
4'	3000	25	118
8'	6000	49	122

NOTE: Based on 3500K CCT. Other CCT available.

Finishes

Standard

PW: White

PB: Black

PS: Silver

PBR: Bronze

Premium Stock

PSF001: Wood 1

PSF002: Wood 2

PSF003: Wood 3

PSF004: Wood 4

PSF005: Wood 5

PSF006: Wood 6

PSF007: Stone 1

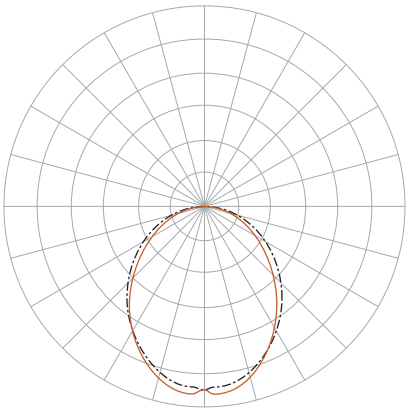
PSF008: Stone 2

PSF009: Stone 3

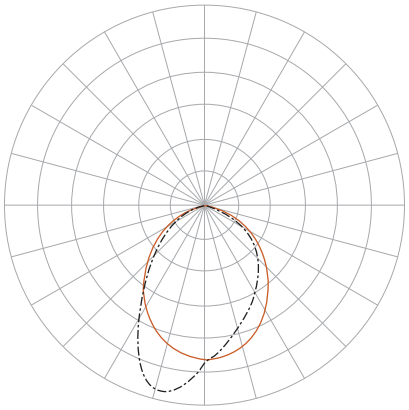
NOTE: A minimal impact to lead times will apply to products specified with Premium Stock Finishes (PSF). It is not to be assumed that these finishes are stocked in our warehouse, but rather, are readily available to us for your project.

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

Distribution



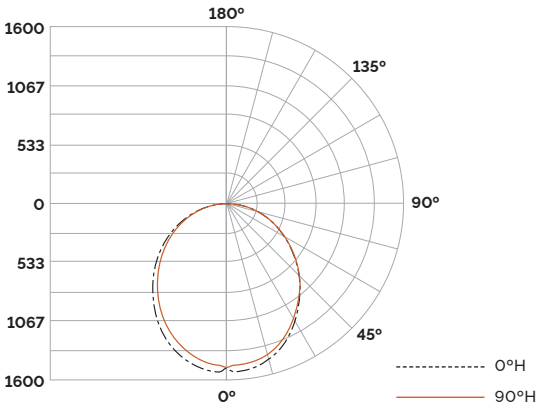
Direct: SatinIce Diffuse (SD)



Direct: Wall Wash (WW)

Performance

SAQUAD-X-1000-SD (80+ CRI)



CCT	Length	Lumens	Wattage	LPW
3000K	4'	4000	35	115
	8'	8000	67	119
3500K	4'	4000	34	118
	8'	8000	65	122
4000K	4'	4000	33	121
	8'	8000	64	125
5000K	4'	4000	32	126
	8'	8000	62	130

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 (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

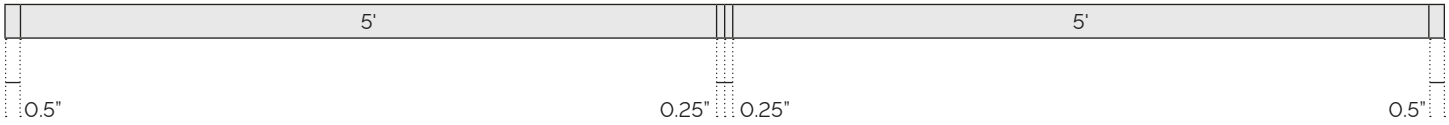
Row Configurations

SXX (Symmetric Run)

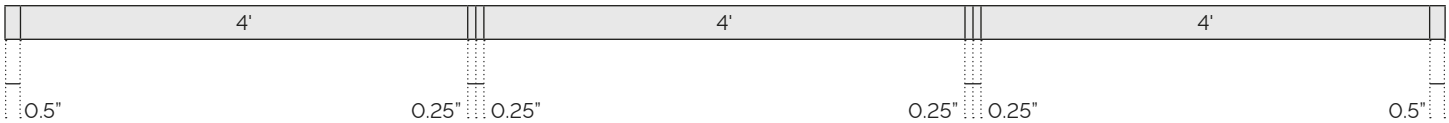
The construction of SXX (Y') is to build with equal length fixtures. The XX indicates the run length. The Y' indicates the fixture length used to create the run. Please indicate this on your P.O. when placing your order.

NOTE: Each fixture has two end caps; starting end cap is .5" and the joining endcap is .25" (the space between fixtures is .5" total) so the actual length differs from the ordered length. Please make note of the Total Length Formula (Run length = ordered length + 1" + (Fixture joint# (* .5)) and refer to examples below.

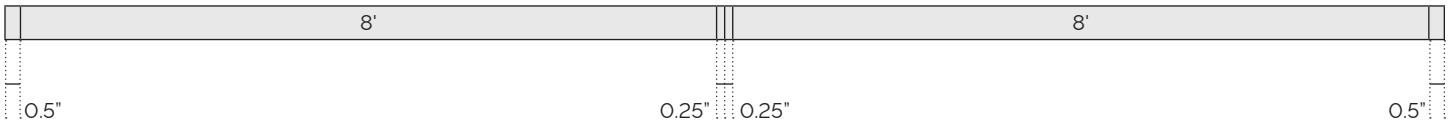
Example S10: 10 + 1" + (1 (*0.5)) = 10' 1.5" total run



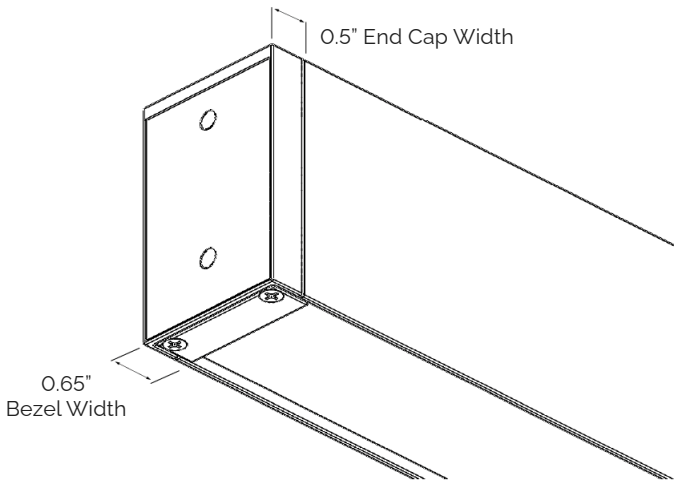
Example S12: 12 + 1" + (2 (*0.5)) = 12' 2" total run

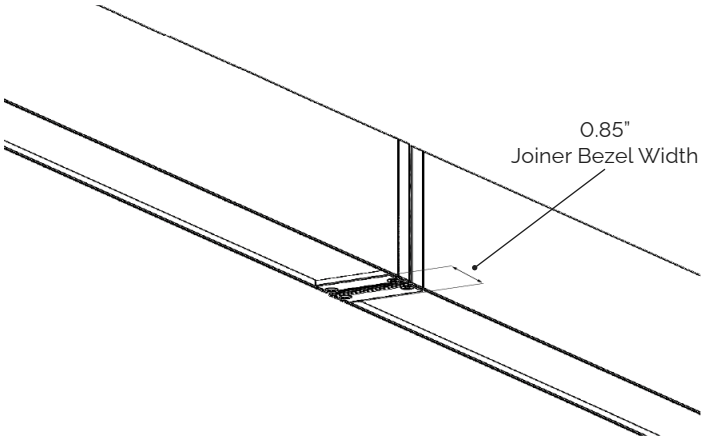


Example S16: 16 + 1" + (1 (*0.5)) = 16' 1.5" total run



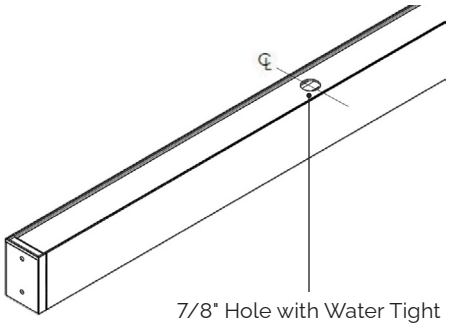
Linking



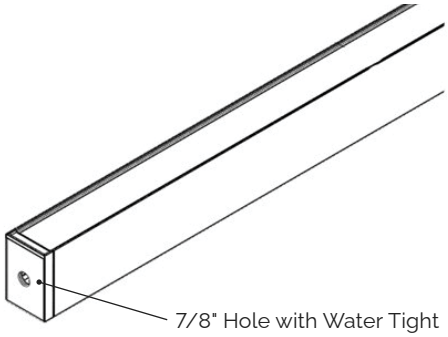


Mounting

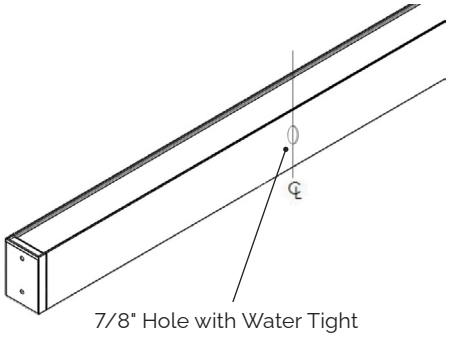
SM(T) (Top-Fed Power Stem Mount)

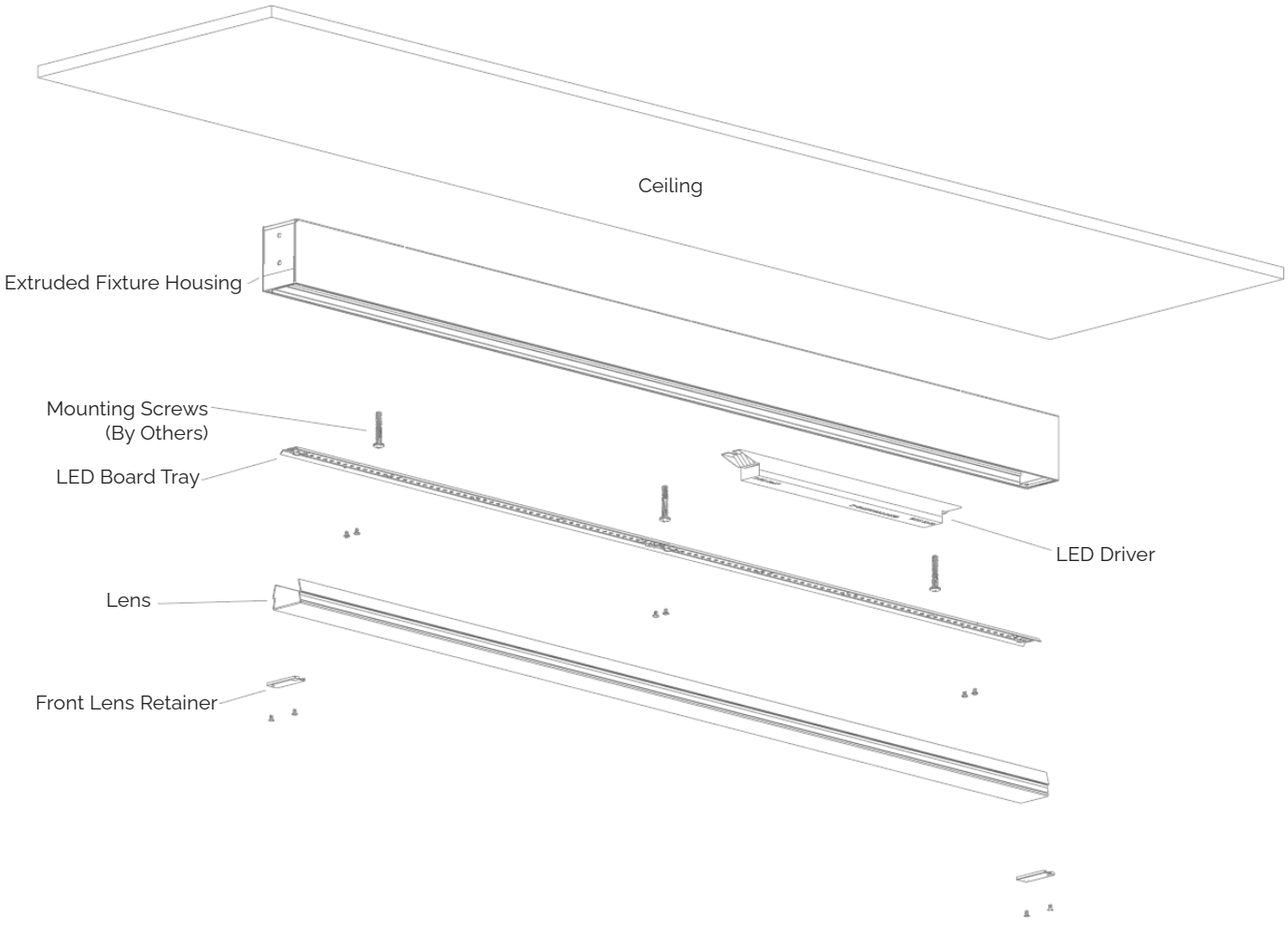


SM(E) (End-Fed Power Stem Mount)



SM(S) (Side-Fed Power Stem Mount)



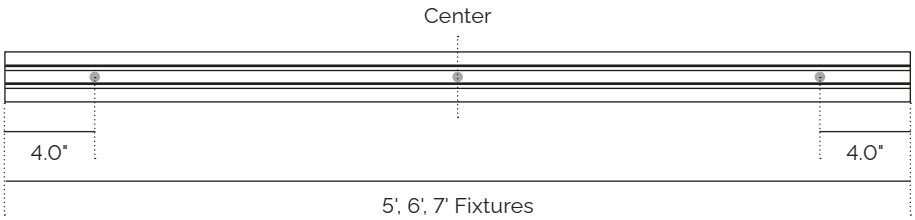


Mounting Locations

Individual Fixtures

Mounting locations (● - Ø 0.266") will vary dependent on fixture length. See below for individual fixtures and runs showing the top of fixtures.



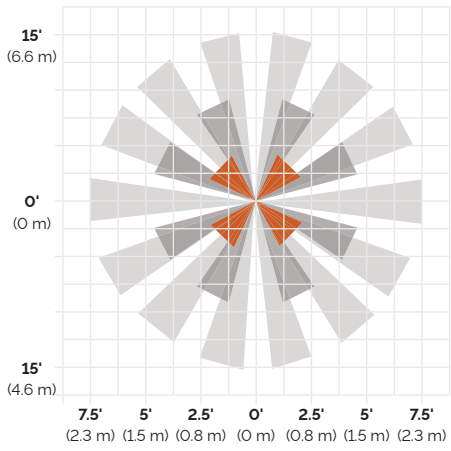


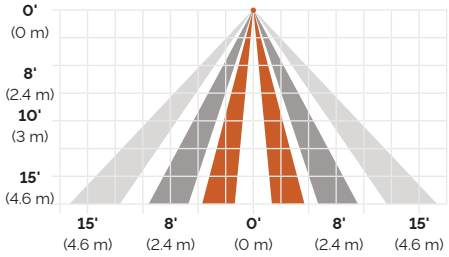


Controls

Sensor

VERTEX Fixture Integrated Occupancy Sensor with Dimming Photocell. Ideal for standalone or network lighting control applications. Its ultra-small footprint enables seamless integration into an indoor or outdoor luminaires without disrupting aesthetics or requiring additional mounting space. Its versatility allows for mounting at various heights up to 15ft detecting major and minor motion movement.







Motion Sensor Large Range

- Optimized full coverage from 8 ft - 15 ft mounting heights
- Reliable detection of large motion (e.g. pedestrian walking)
- 1.3x's mounting height equals approximate detection range

The information in this document is subject to change without notice.
Contact STARTEK for most up to date product details.