STARTEK
ARCHITECTURAL LIGHTING

Rep/Agent		Type	
Project			
Order No.		Date	

Starshield Suspended
Direct



Key Features

- Extruded aluminum housing
- Vandal resistant polycarbonate lens
- Soft diffuse direct lighting
- Continuous rows available by linking fixtures together
- Lumen output can be factory set
- 0-10V dimming to 10% is standard

5 Year Warranty | BABA Compliant | BAA Compliant | Intertek | DLC LISTED | RoHS Compliant

Specifications

Construction

- Continuous extruded 6063 T5 aluminum
- Mechanically attached aluminum end caps

Dimensions

- Nominal dimensions: 3.7" x 5.5"
- Nominal thickness: 0.080"

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', 3', 4', 5', 6', 7' and 8'
- 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

- 0.080" thick impact resistant outdoor (F1) rated polycarbonate lens
- Soft diffuse direct lighting

Operating Temperature

- -40°C to 50°C (-40°F to 122°F)

Lithium Ion Battery

- Provides up to 780 lm (6W) or up to 1100 lm (10W) for 90 minutes.
- Certifications: UL924 listed, Class 2 compliant, and Title 20 CEC (California Energy Commission) compliant

Certifications

- Build America Buy America compliant
- Buy American Act compliant
- Intertek cETLus Listed
- RoHS (Restriction of Hazardous Substances)
- JA8 compliant
- Suitable for dry and damp locations
- IK10 Impact Protection Rating

Packaging

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

Warranty

- 5-year limited warranty.

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

Ordering Logic

STS-40-750-SD-35K-80-PW-STEMW12-T-U-1C-EMB10

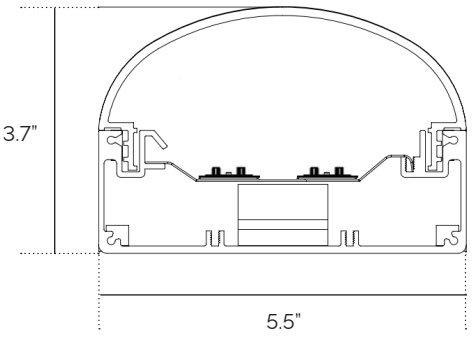
Series	Length	Direct Output[1]	Direct Distribution	CCT	CRI
STS			SD		
	XX - Run Length	**250 -** 250 LPF	**SD -** SatinIce Diffuse	**27K -** 2700K	**80 -** 80 CRI
	SXX - Symmetrical Run Length	**500 -** 500 LPF		**30K -** 3000K	**90 -** 90 CRI (R9 50 min)
		750 - 750 LPF		**35K -** 3500K	
		1000 - 1000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

Finish[2]	Mounting	Voltage	Circuiting	Emergency	Options
		U			
Standard Powder Coat	**STEMWXX -** XX" White Stem	**U -** 120-277V	**1C -** Single Circuit	**BLANK -** None	**SRG -** Surge Protector
PW - White	**STEMBXX -** XX" Black Stem		**MC -** Multiple Circuits[3, 4]	**EC -** Emergency Circuit[7]	**MLR -** Large Range Motion Sensor[11]
PB - Black			**DL -** Daylight Control[3, 5]	**#EMB6 -** 6W EM Battery[8, 9]	**NLA -** Acuity nLight Air[12]
PS - Silver			**NL -** Night Lights[3, 6]	**#EMB10 -** 10W EM Battery[8, 9]	**TP -** Tamperproof Screws
Premium				**#GTD -** Generator Transfer Device w/ ALCR[10]	**DL -** Damp Location
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. Iota EDS-DR Emergency Control Device
11. Motion sensor option removes the ability to dim.
12. Consult factory.

Dimensions



Lumen Packages

Length	Lumens	Input Wattage	LPW
4'	3000	29	103
8'	6000	56	107

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

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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

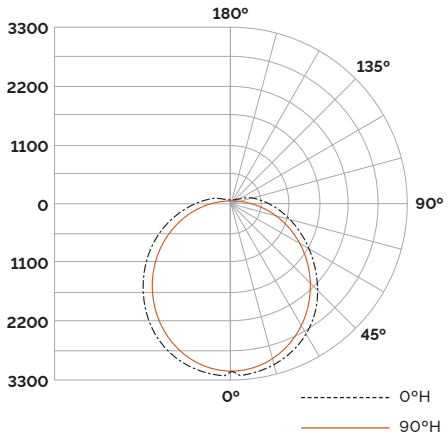
PSF009: Stone 3

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.

Performance

STS-X-2750-SD (80+ CRI)



Luminance Data (cd/sq.m)

Angles	Avg. 0°	Avg. 45°	Avg. 90°
45	16749	13957	13956
55	16009	12746	12872
65	14554	11329	11826
75	11661	9973	11061
85	5725	9125	10869

CCT	Lumens	Wattage	LPW
3000K	11000	112	98
	16000	156	102
3500K	11000	106	103
	16000	149	107
4000K	11000	104	105
	16000	146	109
5000K	11000	103	106
	16000	145	110

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	2462.9	22.5%
0-40	4055.6	37%
0-60	7326.8	66.9%
60-90	2860.7	26.1%
70-100	1896.5	17.3%
90-120	666.5	6.1%
0-90	10187.4	93%
90-180	769.3	7%
0-180	10956.8	100%

Candela Table

Vertical Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	3161	3161	3161	3161	3161
5	3122	3115	3140	3171	3210
10	3084	3072	3099	3132	3172
15	3019	3001	3030	3068	3108
20	2926	2906	2940	2981	3021
25	2805	2787	2829	2876	2916
30	2661	2645	2696	2750	2792
35	2495	2482	2542	2604	2646
40	2310	2300	2369	2441	2487
45	2113	2102	2181	2265	2312
50	1900	1888	1982	2076	2126
55	1666	1662	1771	1879	1930
60	1417	1424	1552	1678	1729
65	1148	1176	1331	1476	1533
70	868	929	1117	1283	1343
75	598	697	922	1103	1165
80	340	484	748	933	999
85	127	315	589	784	847
90	7	193	453	641	709

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

SXX (Symmetric Run)

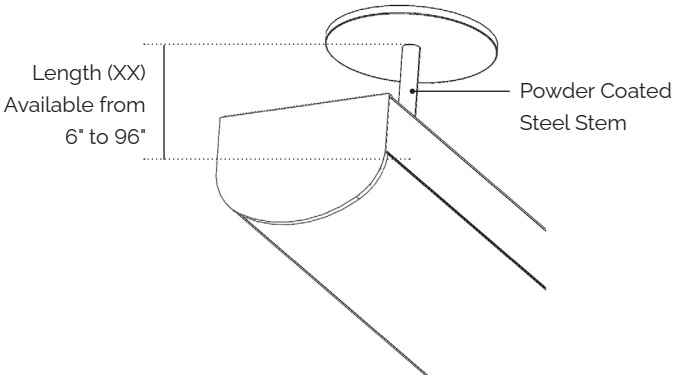
The construction of SXX (y') is to build with equal length fixtures. The xx indicates the run length. The y' indicates the fixture length used to create the run. Please indicate this on your P.O. when placing your order.

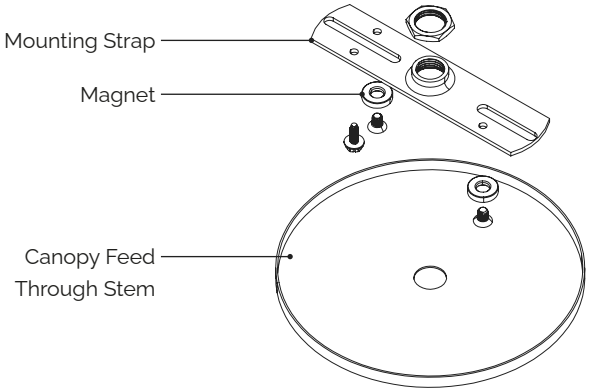
S12' (2')	2'	2'	2'	2'	2'	2'
S12' (3')	3'	3'	3'	3'		
S12' (4')	4'	4'	4'			
S12' (6')	6'	6'				

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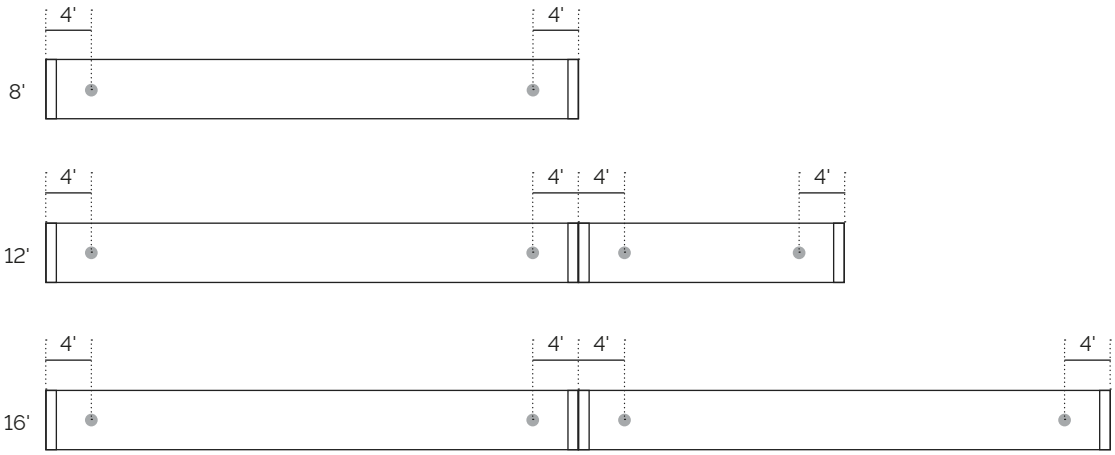
Mounting

STEMWXX, STEMBXX (Stem Mount)





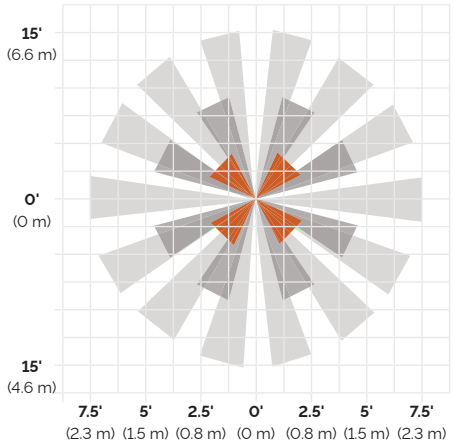
Power Locations

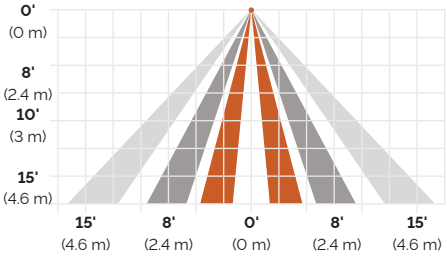


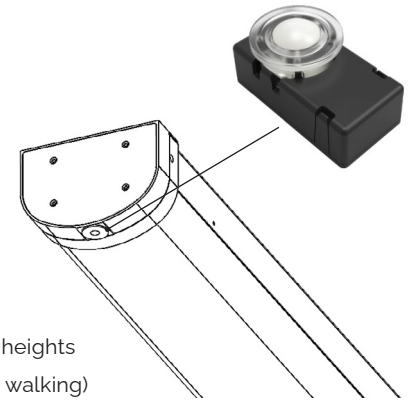
Controls

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

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