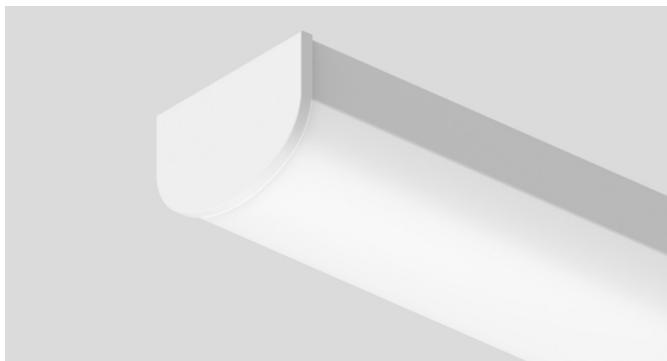
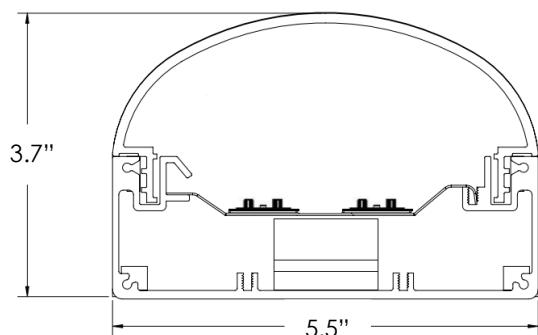


Type:	
Project:	
REP/Agent:	
Order #:	

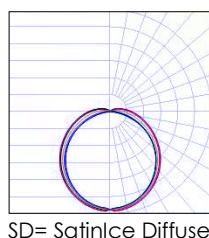
STARSHIELD



DIMENSIONS



DISTRIBUTION



SD= SatinIce Diffuse

LUMEN PACKAGES

Based on 3500K CCT. Other CCT available.

MODEL	LUMENS	INPUT WATTS	Lm/W
STS-4-750-SD-35K	3,000	29	103
STS-8-750-SD-35K	6,000	56	107

FEATURES

- ★ Vandal resistant (Polycarbonate lens- 10 year warranty)
- ★ 2', 3', 4', 5', 6', 7' and 8' individual units
- ★ Fixtures can be linked together for continuous rows
- ★ Soft diffused direct lighting
- ★ Premium finishes also available
- ★ 0-10V dimming is standard**
- ★ Dim to 10% of output current is standard
- ★ 90 CRI (R9 50min) available
- ★ Wet Location rated (IP64)

APPLICATIONS

- ★ Locker Rooms
- ★ Washrooms (Correctional)
- ★ Restrooms
- ★ Stairwells
- ★ Dorm Rooms
- ★ Schools and Universities
- ★ Foyers and Lobbies
- ★ Corridors
- ★ Natatoriums
- ★ Gymnasiums and Multipurpose Rooms





STARSHIELD

Type:	
Project:	
REP/Agent:	
Order #:	

STS					
SERIES	LENGTH	LUMENS PER FOOT	DISTRIBUTION	CCT	CRI
STS	2= 2FT	350= 350 LPF	SD= SatinIce Diffuse	30K= 3000K	80= 80
	3= 3FT	500= 500 LPF		35K= 3500K	90= 90 (R9 50 min)
	4= 4FT	750= 750 LPF		40K= 4000K	
	5= 5FT	1000= 1000 LPF		50K= 5000K	
	6= 6FT	xx= Custom LPF			
	7= 7FT				
	8= 8FT				
	xx= Run length				

FINISH	MOUNTING	VOLTAGE	ELECTRICAL
STANDARD	<u>SURFACE MOUNTS</u>		
PW = Powder Coat White	SMCT = Surface Mount Ceiling (Top-fed power)	U = 120-277	1C = Single Circuit
PB = Powder Coat Black	SMCE = Surface Mount Ceiling (End-fed power)		MC = Multiple Circuits
PS = Powder Coat Silver	SMWT = Surface Mount Horizontal Wall (Top-fed power) (Damp Only)		(multiple switch legs across run length)
PREMIUM	SMWE = Surface Mount Horizontal Wall (End-fed power) (Damp Only)		EC = Emergency Circuit
RALxxxx = Powder Coat RAL xxxx	CM = Corner Mount		(separate power drops for EC fixtures)
PSFx = Prem Stock Finish	(Must Be Ordered With DL Option)		
CUSTOM			
PO = Powder Other			
See pg. 7 for standard and premium options.	<u>STEMS WITH CANOPY KITS</u>		
	STEMWXX = Stem White, xx (Damp Only)		
	STEMBXX = Stem Black, xx (Damp Only)		

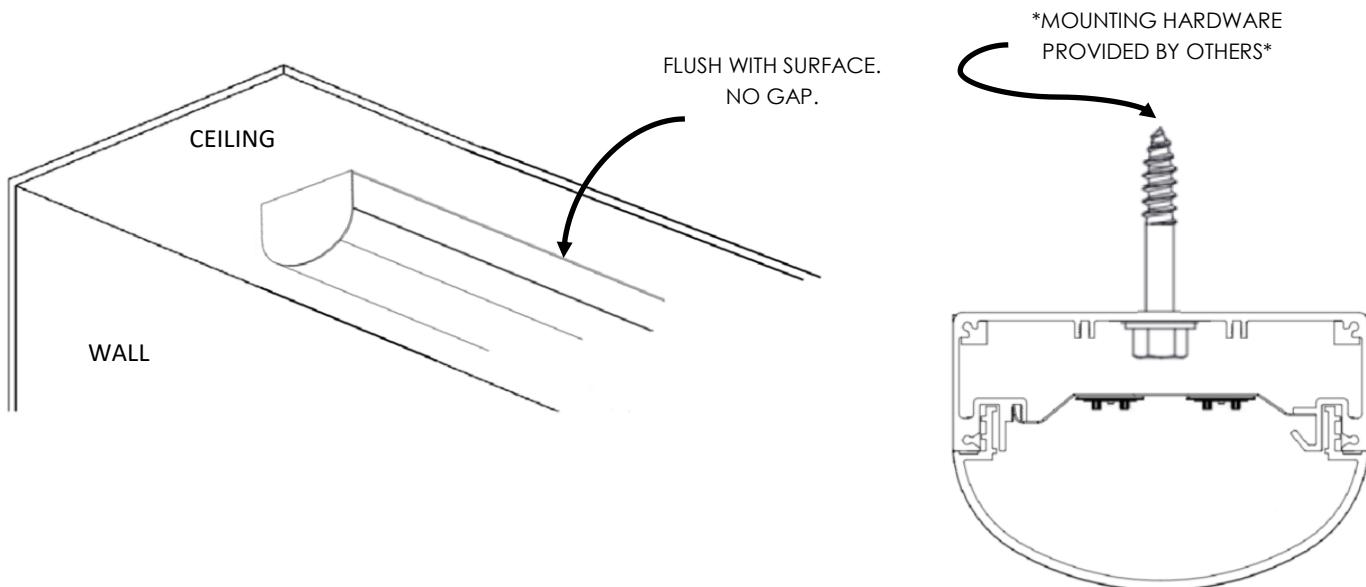
OPTIONS
BATTERIES (# indicates quantity)
EMB10 = 10W EM Battery (Iota/Bodine)
SURGE PROTECTOR
SRG = Surge Protector
SENSORS
MLR = Motion Sensor Large Range ¹
NLA = Acuity nLight Air ²
OTHER
TP = Tamperproof Screws
DL = Damp Location (Interior Use, No Gasketing)

EXAMPLE: STS-40-750-SD-35K-80-PW-SMCT-T-U-1C-EMB10

¹Motion sensor option removes dimming ability

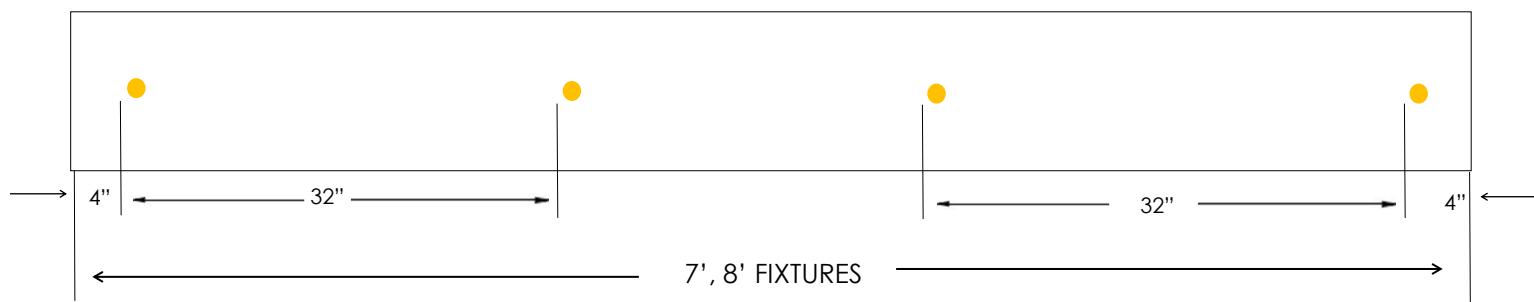
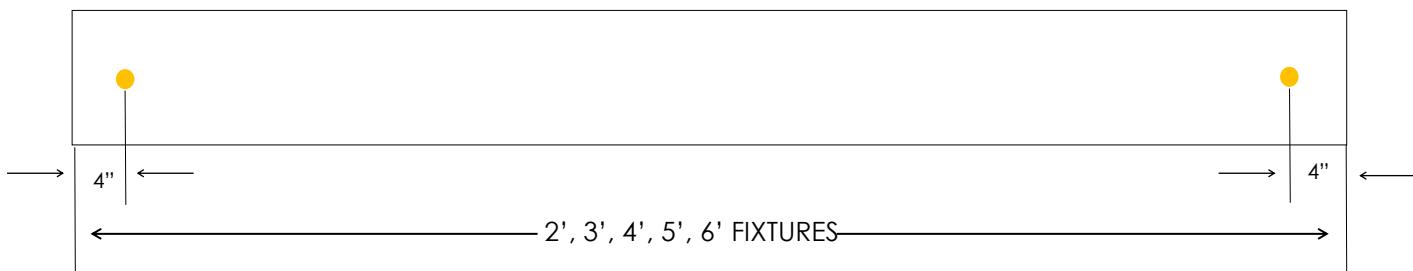
²Must be ordered with Damp Location

SMC & SMW—Surface Mount



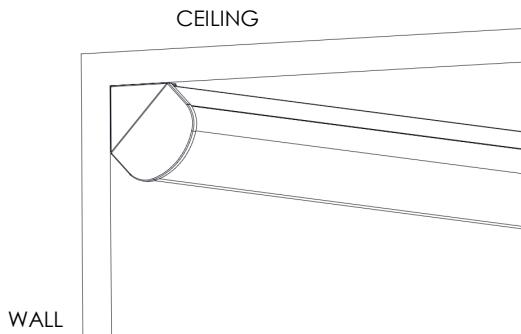
Mounting locations (●) vary between SM(T) option and others due to length and power location. Views below show top of fixtures.

USE PROPER MOUNTING HARDWARE



CM—Corner Mount

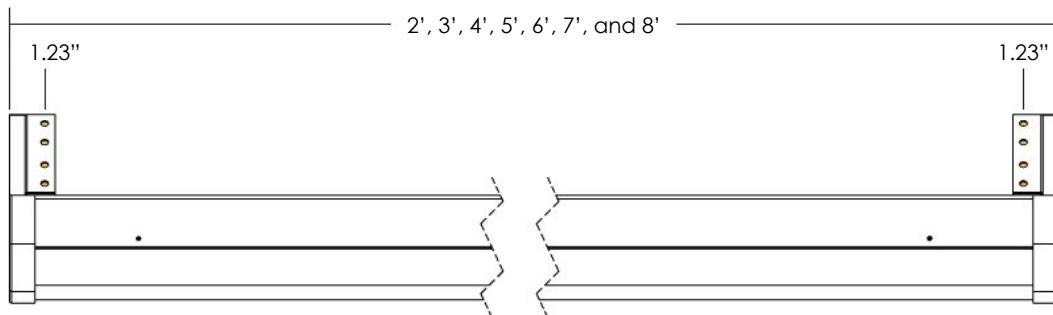
*MOUNTING HARDWARE TO STRUCTURE
PROVIDED BY OTHERS*



USE PROPER MOUNTING HARDWARE
TO MOUNT FIXTURE TO CEILING.

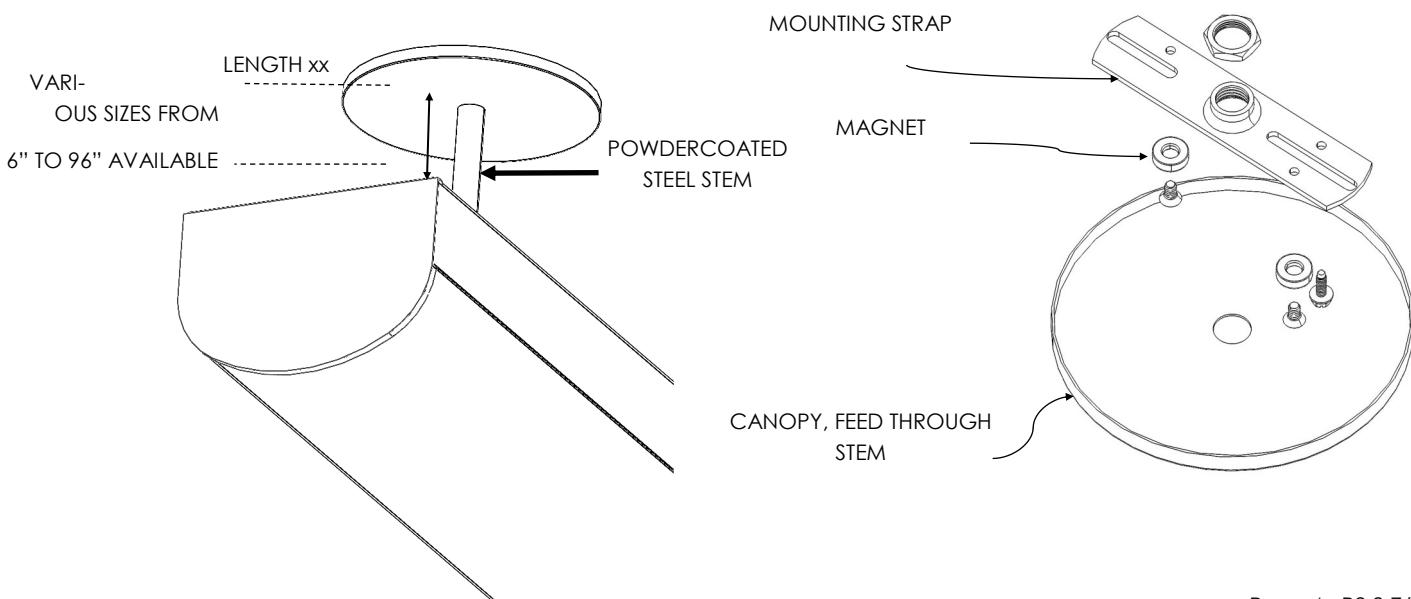
MOUNTING LOCATIONS

Mounting locations (🟡) vary due to length. Please see below for mounting locations measured from the end of the fixture,

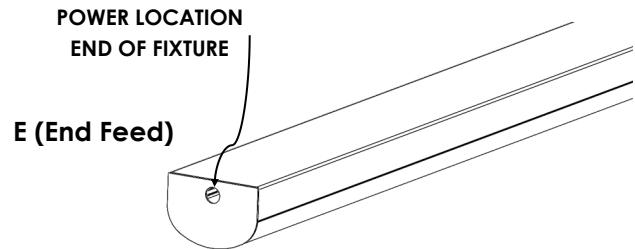
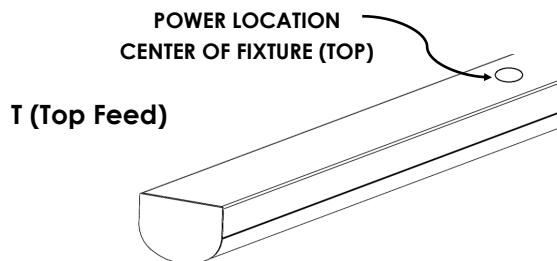


MOUNTING OPTIONS, CONTINUED

STEMWxx, STEMBxx (Stem Mount)



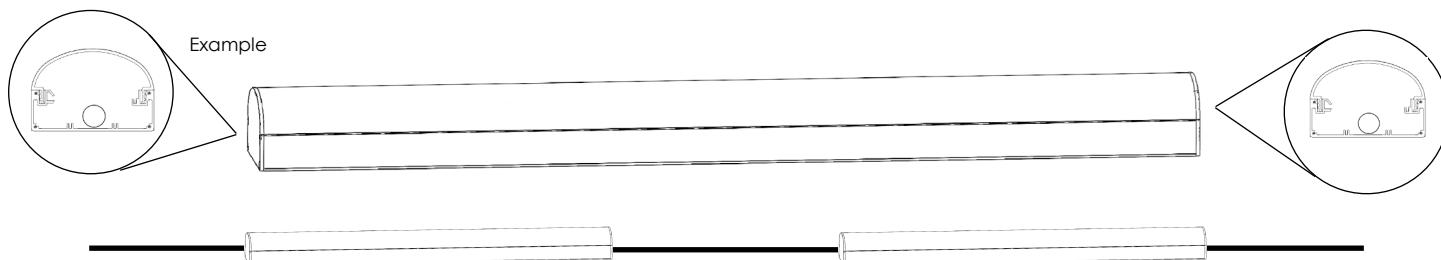
Power Locations



POWER ENTRY

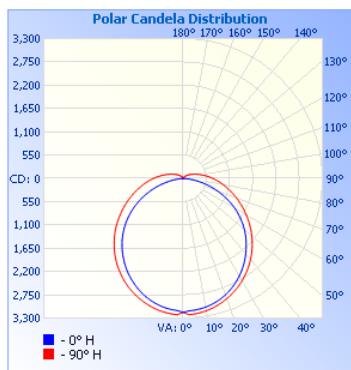
CFT—Conduit Feed Through

If the **CFT**=Conduit Feed (Through) is specified, the fixture will be manufactured with an additional end plate that has an opening for a 1/2" connector on the opposite end of the fixture. Thru wires will be provided from one end of the fixture to the other. Conduit can then be run to another fixture.



PERFORMANCE

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



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%

Model	Lumens	Watts	LPW
STS-4-2750-SD-30K-80	11000	112	98
STS-4-2750-SD-35K-80	11000	106	103
STS-4-2750-SD-40K-80	11000	104	105
STS-4-2750-SD-50K-80	11000	103	106

Model	Lumens	Watts	LPW
STS-8-2000-SD-30K-80	16000	156	102
STS-8-2000-SD-35K-80	16000	149	107
STS-8-2000-SD-40K-80	16000	146	109
STS-8-2000-SD-50K-80	16000	145	110

Luminance Data (cd/sg.m)			
Angle in Degrees	Average 0-DEG	Average 45-Deg	Average 90-Deg
45	16749	13957	13956
55	16009	12746	12872
65	14554	11329	11826
75	11661	9973	11061
85	5725	9125	10869

Candela Distribution					
	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.

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

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

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'	
S12 (4')		4'		4'		4'
S12 (6')			6'			6'

MOUNTING LOCATIONS

Each starter or individual fixture will be provided with (2) mounting supports (●). Each additional fixture will be provided with (1) support which can be located anywhere along the 2nd half of the fixture (highlighted below):

Examples of continuous run mounting locations are as follows:

12' RUN	●	8'	●	4'		
16' RUN	●	8'	●	8'		
20' RUN	●	8'	●	8'	4'	
24' RUN	●	8'	●	8'		8'
28' RUN	●	8'	●	8'		8'
						4'

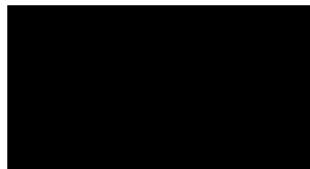
STARSHIELD

FINISHES

STANDARD FINISHES



WHITE MINI TEXTURE



BLACK MINI TEXTURE



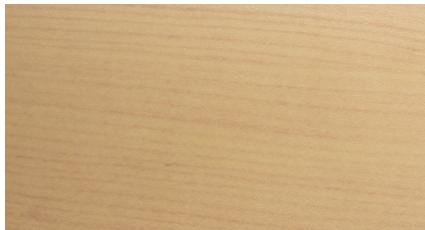
SILVER

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

PREMIUM STOCK FINISHES



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 (METAL #1)

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.

Housing

Nominal 3.7" x 5.5" x 0.080 thick aluminum housing

Color

Colors for the housing are available in a powder coated white, black and silver. Consult factory for custom colors.

Luminaire Length

2', 3', 4', 5', 6', 7' or 8' lengths are available for a single stand-alone section. Using contractor provided conduit, individual sections can be joined to form longer rows.

Lensing

0.125" Thick Impact resistant outdoor (F1) rated polycarbonate lensing.

Source

Variable lumen packages are available in four color temperature options (3000K, 3500K, 4000K and 5000K) — all within 3 MacAdam ellipses.

Certification

Intertek cETLus Wet Location Listed. RoHS (Restriction of Hazardous Substances) and Buy American Act Compliant. Surface mt corner brkt, surface mt. wall, and stem installations (Damp Location Only)

Battery

Lithium ion battery providing up to 1200lm(10W) for 90 minutes. UL924 listed. Class 2 compliant. Meets Title 20 CEC (California Energy Commission) efficiency standards.

Environment

Suitable for dry, damp, and wet locations.

Operating temp.: -40°C to +50°C

-40°F to +122°F

Packaging

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

CONTROL

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.

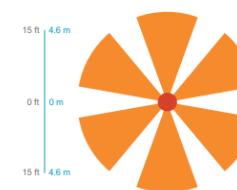
COVERAGE PATTERNS

Motion Sensor Large Range

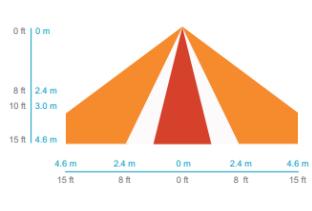
- Optimized full coverage from 8 ft - 15 ft (2.4 m - 4.5 m) mounting heights
- Reliable detection of large motion (e.g. pedestrian walking traffic)
- 1.3 x's mounting height equals approximate detection range



TOP VIEW



SIDE VIEW



WARRANTY

5-year limited warranty. Complete warranty terms can be located at:

https://starteklightingamerica.com/wp-content/uploads/2019/08/Star_Series_Warranty.pdf

Note: Actual performance may differ as a result of installation environment and final application.
All values are design or typical values, measured under laboratory conditions, at 25°C (77°F).