

S6HA19/21SPL

6" Horizontal A-Lamp Splay Lens Downlights

SPEX

SX2-11

REV. 06/04

CAT. NO:

TYPE:

PROJECT:



PRODUCT INFORMATION

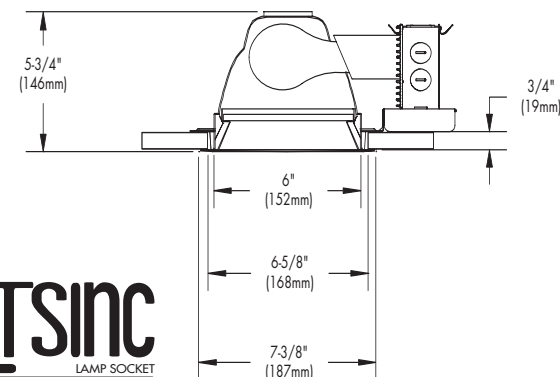
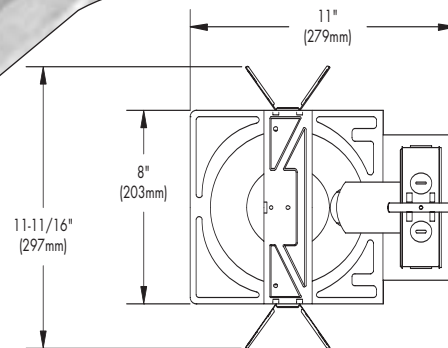
Applications

A soft edged, lensed downlight for use with economical A type incandescent lamps. Provides broad, uniform light distribution while concealing lamp image and maintaining good visual cutoff.

Specifications

- Mounting pan** - Precision die-formed 20 gauge galvanized steel mounting pan and yoke assembly. Accommodates ceiling materials up to 3/4" thick.
- Installation** - Mounting pan has pre-installed universal mounting brackets with vertical adjustment. Junction box and mounting brackets are accessible from below ceiling. For 30" C-channel hanger bars, specify Q1030 accessory, ordered separately. For 27" flat bar hangers, specify Q1031 accessory, ordered separately.
- Splay Trim** - Spun aluminum regressed splay trim with white powder paint finish. Torsion spring mounting for ease of installation. Flat fresnel and prismatic lens for smooth, even distribution of light. Flat clear lens for enclosed applications.
- Socket enclosure** - Die cast aluminum heat sink, medium base 250V porcelain socket with nickel-plated copper screw shell and 200°C wire positions lamp at optical focal plane of reflector for maximum performance.
- Junction box** - Large 32-cubic inch 16 gauge galvanized steel with snap-on covers. Approved for through wiring with up to 8 #12 AWG conductors.
- Thermal protection** - A thermal protection device which meets all U.L. and NEC requirements is standard.
- U.L. Listed** - For use in wet locations in covered ceiling applications only. Approved for Through Branch Circuit Wiring. I.B.E.W. union made.

☼ Canadian Specifications may vary from these shown, consult Canadian Division.



HeatSinc
LAMP SOCKET

CATALOG SYSTEM AND OPTIONS

EXAMPLE OF COMPLETE CATALOG NUMBER: **S6HA19/21-T6HSPCLCL**

Spex Aperture	Lamp (by others)	Reflector Series/Size	Lamp Configuration	Reflector Type	Lens (Required)
S6	HA19/21	- T6	H Horizontal		
				SPL Splay (white)	FL Fresnel Lens
				CSSPL Clear Specular	PL Prismatic Lens
				BBSPL Black Baffle Splay	CL Clear Glass Lens
				BKSPL Black (paint)	



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OMEGA
LIGHTING

6

S6H100A19SPL-FL

Photometric Data

Fresnel Lens with Regressed Splay

Report Number: 24620

Lamp: (1)100A19 SOFT WHITE

Total Lumens: 762

Fixture Efficiency: = 44.6%

IES File: F24620.IES

S/MH Ratio = 0.7, 0.7

Beam Angle: 44.41

LIGHTING PERFORMANCE DATA

CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	28.7	4 - 6
10	15.4	6 - 1
12	9.6	7 - 9
14	6.6	9 - 5
16	4.8	11 - 0

DISTRIBUTION CURVE



90°: -----
0°: -----
F24620

DEGREES	CANDELA		FOOT-LAMBERTS
	AT 0°	AT 90°	
90	1	1	
85	3	3	551
75	13	15	865
65	35	43	1477
55	61	76	1911
45	98	134	2625
35	171	218	
25	364	375	
15	631	606	
5	852	813	
0	869	869	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20								
RC	80		70		50		RW	
	50	30	50	30	50	30		
0	53	53	53	53	52	52		
1	50	47	46	46	48	46		
2	46	44	41	40	46	42		
3	44	40	36	34	42	39		
4	40	36	34	32	40	35		
5	38	34	30	28	38	34		
6	35	32	28	26	34	30		
7	34	28	26	23	34	28		
8	32	27	23	22	32	27		
9	30	26	23	20	29	26		
10	28	23	20	19	28	23		

S6H150A21SPL-FL Photometric Data

Fresnel Lens with Regressed Splay

Report Number: 24615

Lamp: (1)150A21 SOFT WHITE

Total Lumens: 1163

Fixture Efficiency: = 41.4%

IES File: F24615.IES

S/MH Ratio = 0.8, 0.9

Beam Angle: 55.91

LIGHTING PERFORMANCE DATA

CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	33.4	5 - 10
10	17.9	7 - 12
12	11.2	10 - 1
14	7.6	12 - 2
16	5.5	14 - 4

DISTRIBUTION CURVE



90°: -----
0°: -----
F24615

DEGREES	CANDELA		FOOT-LAMBERTS
	AT 0°	AT 90°	
90	2	2	
85	5	5	918
75	26	21	1453
65	58	69	2404
55	99	124	3110
45	170	216	4367
35	317	374	
25	568	597	
15	827	838	
5	991	980	
0	1009	1009	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20								
RC	80		70		50		RW	
	50	30	50	30	50	30		
0	48	48	48	48	47	47		
1	46	45	42	41	45	44		
2	42	40	38	36	41	40		
3	40	36	34	32	39	35		
4	38	34	30	28	36	33		
5	34	30	28	26	34	30		
6	33	28	26	23	32	28		
7	30	27	23	20	29	26		
8	28	25	22	20	28	23		
9	28	23	20	17	27	23		
10	26	22	19	17	26	20		

Additional photometric test files are available @ omegalighting.com