S6A19/A21

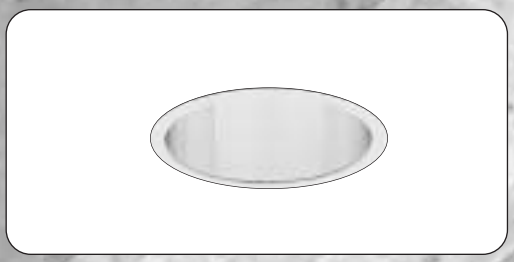
6" A-Lamp Reflector Downlights

SPEX **SX2-5**

REV. 06/04

CAT. NO:

TYPE: **PROJECT:**



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PRODUCT INFORMATION

Applications

A low brightness open reflector downlight for use with economical A type incandescent lamps. Provides broad, uniform light distribution with high efficiency for general illumination of areas such as lobbies, reception areas, schools, restaurants, hotels and offices.

Specifications

1. **Mounting pan** - Precision die-stamped 20 gauge galvanized steel mounting pan and yoke assembly. Accommodates ceiling materials up to 3/4" thick.

2. **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.

3. **Reflectors** - Precision spun .051 aluminum reflector, self flanged with clear specular Alzak finish. Reflector is screw mounted for positive attachment to socket assembly. Standard flat flange is painted white. Optional polished flange matching reflector finish available, add FF to catalog number.

4. **Baffle** - Precision machined .051 aluminum with deep grooves to eliminate aperture glare, anodized matte black or matte white finish. Standard flat flange is painted white. Optional black flange available, add FF to catalog number.

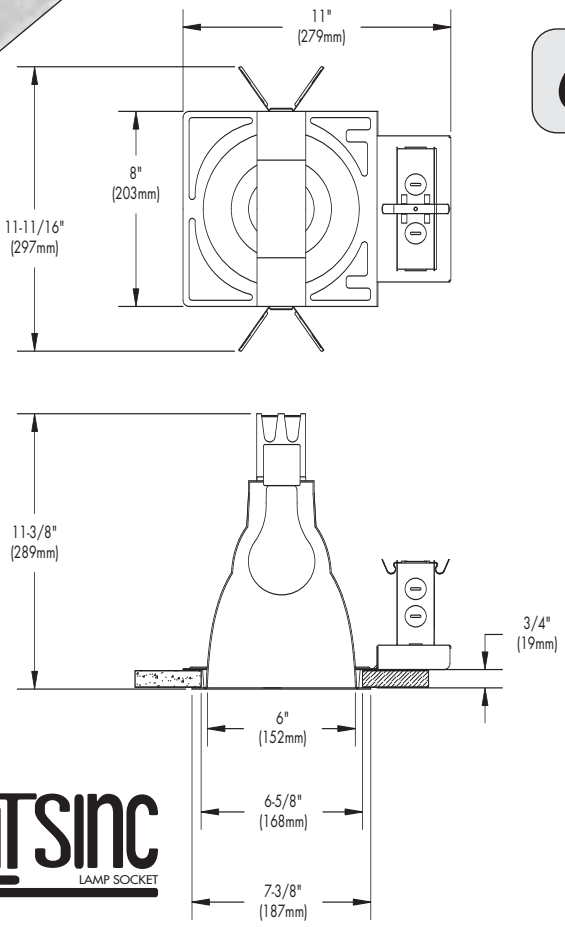
5. **Socket enclosure** - Die cast aluminum heat sink, medium base 250V porcelain socket with nickel-plated copper screw shell and 200°C wire positions lamp at optical focal plane of reflector for maximum performance.

6. **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.

7. **Thermal protection** - A thermal protection device which meets all U.L. and NEC requirements is standard.

8. **U.L. Listed** - For use in damp locations and approved for Through Branch Circuit Wiring. I.B.E.W. union made.

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



CATALOG SYSTEM AND OPTIONS

EXAMPLE OF COMPLETE CATALOG NUMBER: **S6A19/21-T6CS**

Spex Aperture	Lamp (by others)		Reflector Series/Size	Reflector Options	Reflector Finishes *
S6	A19/21**	-	T6		CS Clear Specular (low IR)
				BB Black Baffle	CSS Clear Semi Specular
				WB White Baffle	HZ Haze
					PW Pewter
					WT Wheat
					FF Finish Flange (add as suffix to color)

made with pride in the United States of America

*Consult Factory for other reflector finishes.
**UL listed for A19 lamps up to 100watt max.
**UL listed for A21 lamps up to 150watt max.

OMEGA LIGHTING:
776 South Green St., Tupelo, MS 38804
Phone 662.842.7212 FAX 662.841.5501
www.omegalighting.com

CANADIAN DIVISION:
189 Bullock Drive, Markham, Ontario, Canada L3P 1W4
Phone 905.294.9570 FAX 800.268.0003

OMEGA LIGHTING

S6100A19CS — Photometric Data

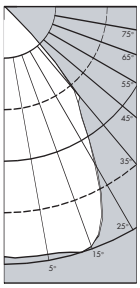
Clear Specular Reflector

Report Number: 24422
Lamp: 100A19 SOFT WHITE
Total Lumens: 1750
Fixture Efficiency: = 61.8%
IES File: F24422.IES
S/MH Ratio = 1.1
Beam Angle: 73.08

LIGHTING PERFORMANCE DATA

CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	26.9	8 - 2
10	14.5	11 - 1
12	9.0	14 - 1
14	6.1	17 - 1
16	4.5	20 - 0

DISTRIBUTION CURVE



DEGREES	CANDELA AT 0°	CANDELA AT 90°	FOOT-LAMBERTS
90	0	0	
85	0	0	0
75	1	1	62
65	3	4	133
55	8	9	237
45	111	125	2670
35	443	439	
25	759	750	
15	812	827	
5	812	817	
0	813	813	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80		70		50	
RW	50	30	50	30	50	30
0	73	73	73	73	71	71
1	69	68	66	65	68	67
2	66	63	59	57	65	61
3	63	57	55	52	60	56
4	58	54	50	47	57	53
5	56	50	46	42	55	50
6	53	46	42	40	52	46
7	50	44	40	36	48	42
8	46	40	36	34	46	40
9	44	38	34	32	44	38
10	41	35	32	28	40	34

6

S6150A21CS — Photometric Data

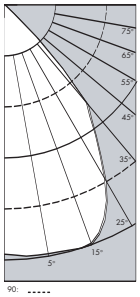
Clear Specular Reflector

Report Number: 24424
Lamp: (1)150A21 SOFT WHITE
Total Lumens: 2850
Fixture Efficiency: = 55.4%
IES File: F24424.IES
S/MH Ratio = 1.2
Beam Angle: 80.67

LIGHTING PERFORMANCE DATA

CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	36.8	9 - 4
10	19.8	12 - 9
12	12.3	16 - 2
14	8.4	19 - 6
16	6.1	22 - 11

DISTRIBUTION CURVE



DEGREES	CANDELA AT 0°	CANDELA AT 90°	FOOT-LAMBERTS
90	0	0	
85	0	1	92
75	2	2	124
65	4	5	170
55	11	14	349
45	201	217	4729
35	708	718	
25	1051	1063	
15	1134	1129	
5	1127	1120	
0	1114	1114	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80		70		50	
RW	50	30	50	30	50	30
0	66	66	66	66	64	64
1	63	60	59	57	60	59
2	58	56	54	52	57	55
3	56	52	48	46	55	51
4	53	47	45	41	52	46
5	50	45	40	39	48	44
6	46	40	38	34	46	40
7	44	39	34	32	42	38
8	41	35	32	29	40	35
9	39	34	29	28	39	33
10	36	30	28	26	36	30

Additional photometric test files are available @ omegalighting.com

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