

S8HA21/23SPL

8" Horizontal A-Lamp Splay Lens Downlights

SPEX

SX2-18

REV. 06/04

CAT. NO:

TYPE:

PROJECT:



PRODUCT INFORMATION

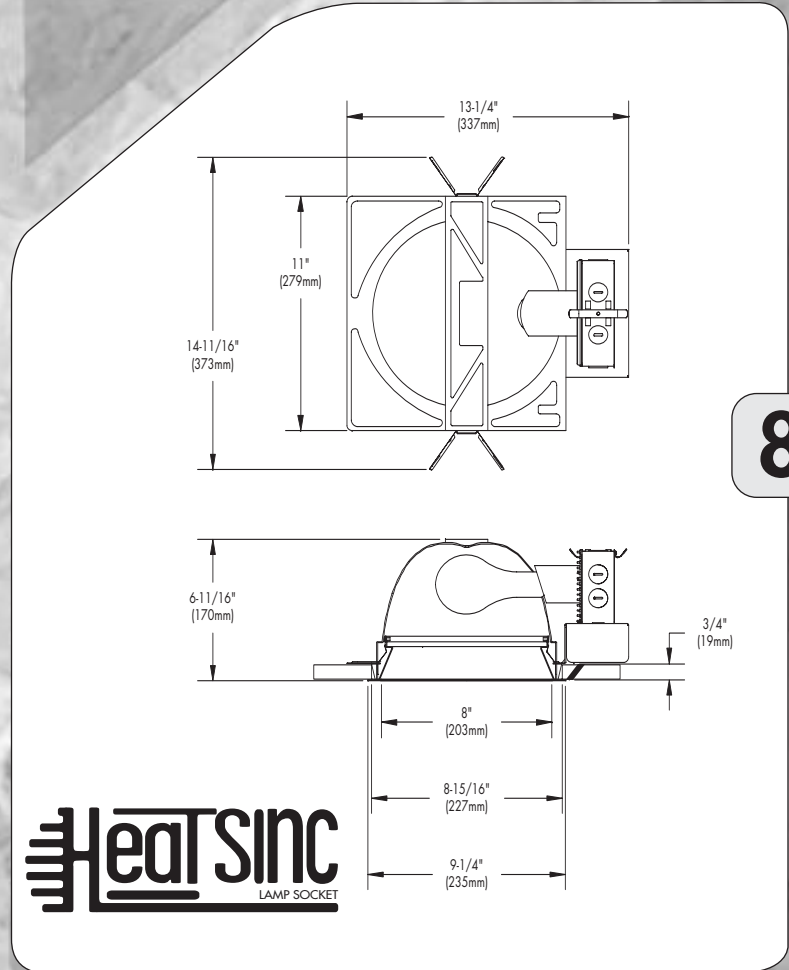
Applications

A special application fixture constructed of non ferrous metals for use in Magnetic Resonance Imaging hospital facilities. 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-stamped 20 gauge bonderized 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** - 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 14 gauge aluminum 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.



8

CATALOG SYSTEM AND OPTIONS

EXAMPLE OF COMPLETE CATALOG NUMBER: **S8HA21/23-T8HSPLFL**

Spex Aperture	Lamp (by others)	Reflector Series/Size	Lamp Configuration	Reflector Options	Lens (Required)
S8	HA21/23** -	T8	H Horizontal	SPL Splay (white) CSSPL Clear Specular BBSPL Black Baffle Splay BKSPL Black (paint)	FL Fresnel Lens PL Prismatic Lens CL Clear Glass Lens



**UL listed for A21 lamps up to 150watt max.
 **UL listed for A23 lamps up to 200watt 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

S8H150A21SPL-FL Photometric Data

Fresnel Lens with White Regressed Splay

Report Number: 24603

Lamp: (1)150A21

Total Lumens: 3800

Fixture Efficiency: = 58.8%

IES File: ITL50732.IES

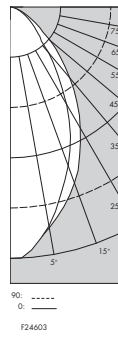
S/MH Ratio = 0.7, 0.5

Beam Angle: 39.03

LIGHTING PERFORMANCE DATA

CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	45.3	6 - 7
10	24.3	9 - 0
12	15.2	11 - 5
14	10.4	13 - 10
16	7.5	16 - 3

DISTRIBUTION CURVE



DEGREES	CANDELA		FOOT-LAMBERTS
	AT 0°	AT 90°	
90	3	2	
85	6	5	568
75	25	28	921
65	68	91	1693
55	130	198	2573
45	229	386	3914
35	451	632	
25	775	893	
15	1060	1126	
5	1329	1313	
0	1369	1369	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80			70			50		
	50	30	50	30	50	30	50	30	
0	73	73	73	73	71	71			
1	69	67	65	64	68	66			
2	65	60	57	55	63	59			
3	59	55	51	47	58	54			
4	56	50	46	42	55	50			
5	53	46	41	38	52	46			
6	48	42	38	34	47	41			
7	46	39	34	30	45	39			
8	44	35	32	28	42	35			
9	40	34	29	27	40	34			
10	39	32	27	25	38	30			

S8H200A23SPL-PL Photometric Data

Prismatic Lens with White Regressed Splay

Report Number: 24608

Lamp: (1)200A23

Total Lumens: 2426

Fixture Efficiency: = 61.7%

IES File: ITL50733.IES

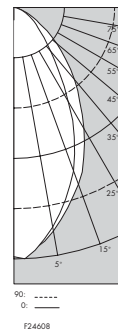
S/MH Ratio = 0.8, 0.9

Beam Angle: 61.97

LIGHTING PERFORMANCE DATA

CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	63.3	6 - 7
10	34.1	9 - 0
12	21.2	11 - 5
14	14.5	13 - 10
16	10.5	16 - 3

DISTRIBUTION CURVE



DEGREES	CANDELA		FOOT-LAMBERTS
	AT 0°	AT 90°	
90	3	2	
85	6	6	620
75	37	41	1356
65	99	135	2492
55	190	311	3931
45	328	563	5670
35	603	880	
25	1097	1269	
15	1529	1595	
5	1874	1860	
0	1916	1916	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80			70			50		
	50	30	50	30	50	30	50	30	
0	72	72	72	72	71	71			
1	68	67	65	63	67	65			
2	64	59	56	55	63	58			
3	59	55	51	47	58	54			
4	56	50	46	41	55	48			
5	52	46	40	38	51	45			
6	48	41	38	34	47	41			
7	46	39	34	30	45	39			
8	42	35	32	28	41	35			
9	40	34	28	26	40	33			
10	39	32	27	23	38	30			

8

Additional photometric test files are available @ omegalighting.com