

S8HA21/23

8" Horizontal A-Lamp Reflector Downlights

SPeX

SX2-16

REV. 06/04

CAT. NO:

TYPE:

PROJECT:

PRODUCT INFORMATION

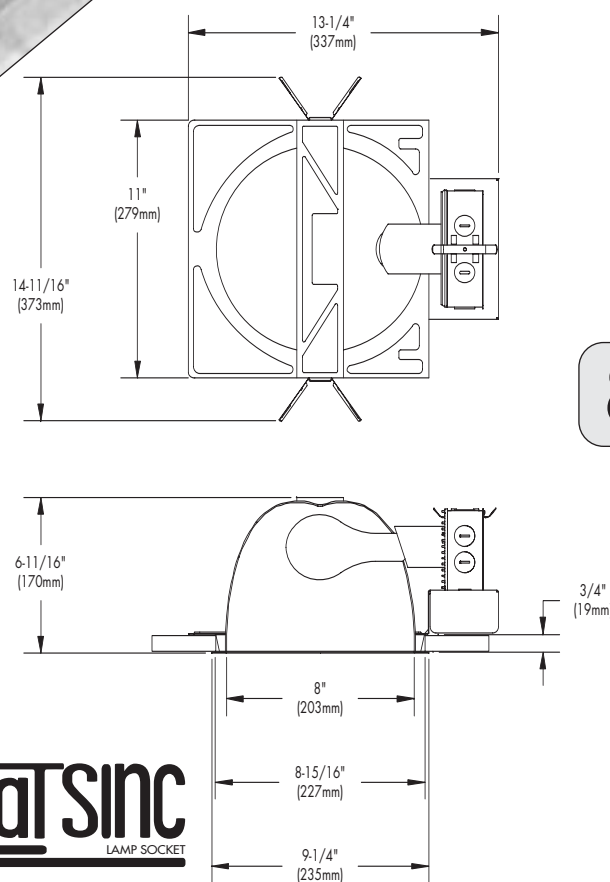
Applications

A shallow housing open reflector downlight for use with economical A type lamps. The lamp mounted horizontally provides a broad, uniform light distribution with high efficiency. Excellent for use in shallow plenum spaces and for areas such as lobbies, corridors, reception areas, restaurants 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** - 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.



HeatSinc

LAMP SOCKET

CATALOG SYSTEM AND OPTIONS

EXAMPLE OF COMPLETE CATALOG NUMBER: **S8HA21/23-T8HBBCS**

Spex Aperture	Lamp (by others)	Reflector Series/Size	Lamp Configuration	Reflector Type	Reflector Finish*
S8	HA21/23**	-	T8 H Horizontal	BB Black Baffle WB White Baffle	CS Clear Specular (low IR) CSS Clear Semi Specular HZ Haze PW Pewter WT Wheat FF Finish Flange (add as suffix to color)



*Consult Factory for other reflector finishes.
**UL listed for A21 lamps up to 150watt max.
** UL listed for A23 lamps up to 200watt max.

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Phone 662.842.7212 FAX 662.841.5501
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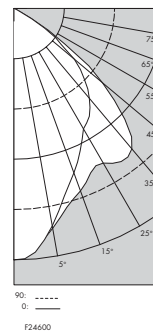
S8H150A21-CS Photometric Data

Clear Specular Reflector

Report Number: 24600
 Lamp: (1) 150A21 SOFT WHITE
 Total Lumens: 2280
 Fixture Efficiency: = 81.1%
 IES File: F24600.IES
 S/MH Ratio = 1.9, 1.0
 Beam Angle: 89.19

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	43.5	10 - 10
10	23.4	14 - 9
12	14.6	18 - 9
14	10.0	22 - 8
16	7.2	26 - 7

DISTRIBUTION CURVE



DEGREES	CANDELA		FOOT-LAMBERTS
	AT 0°	AT 90°	
90	0	0	
85	1	1	103
75	3	3	104
65	19	20	415
55	266	326	4645
45	520	821	8534
35	689	979	
25	822	951	
15	1018	1076	
5	1282	1264	
0	1317	1317	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20								
RC	80		70		50		RW	
	50	30	50	30	50	30		
0	96	96	96	96	93	93		
1	91	88	84	82	89	85		
2	84	79	75	71	82	78		
3	79	71	67	61	77	70		
4	72	65	58	55	70	64		
5	68	58	53	47	66	57		
6	63	54	46	42	61	53		
7	58	48	42	38	56	47		
8	55	45	39	34	54	44		
9	51	40	34	30	50	40		
10	47	38	33	28	46	38		

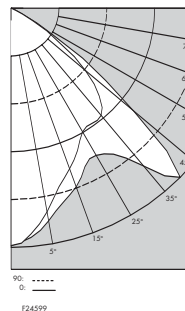
S8H200A23-CS Photometric Data

Clear Specular Reflector with Black Baffle

Report Number: 24599
 Lamp: (1) 200A23 SOFT WHITE
 Total Lumens: 3800
 Fixture Efficiency: = 72.0%
 IES File: F210221.IES
 S/MH Ratio = 1.4, 1.4
 Beam Angle: 80.20

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	52.0	13 - 3
10	28.0	18 - 1
12	17.4	22 - 11
14	11.9	27 - 9
16	8.6	32 - 7

DISTRIBUTION CURVE



DEGREES	CANDELA		FOOT-LAMBERTS
	AT 0°	AT 90°	
90	0	0	
85	1	0	52
75	5	3	139
65	33	25	618
55	358	579	7351
45	825	1586	15344
35	934	1183	
25	1041	1159	
15	1226	1334	
5	1503	1526	
0	1574	1574	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20								
RC	80		70		50		RW	
	50	30	50	30	50	30		
0	96	96	96	96	93	93		
1	91	88	84	82	89	85		
2	83	79	73	70	81	77		
3	78	70	65	60	76	68		
4	71	64	56	53	69	61		
5	66	56	51	46	65	56		
6	60	52	45	40	59	51		
7	56	46	40	35	56	46		
8	53	42	36	32	52	41		
9	50	39	33	28	47	39		
10	46	35	29	26	45	35		

Additional photometric test files are available @ omegalighting.com