

S8A21/23

8" A-Lamp Reflector Downlights

SPeX

SX2-12

REV. 06/04

CAT. NO:

TYPE:

PROJECT:

PRODUCT INFORMATION

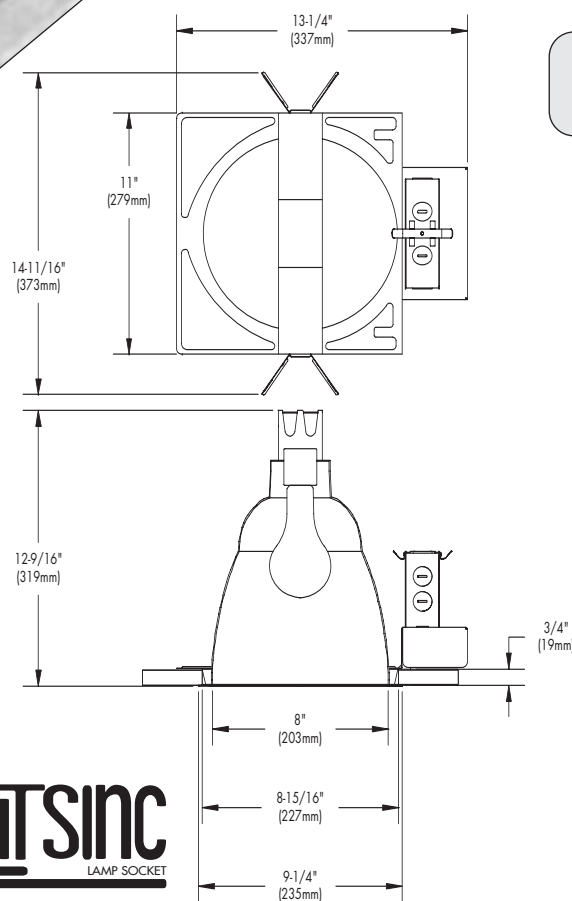
Applications

A low brightness open reflector downlight for use with economical A type lamps. Provides broad, uniform light distribution with high efficiency for general illumination of areas such as lobbies, reception areas, schools, restaurants, banks, stores, 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** - 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 location. 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: **S8A21/23-T8CS**

Spex Aperture	Lamp (by others)	Reflector Series/Size	Reflector Finish *
S8	A21/23**	T8	

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.

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

S8150A21CS

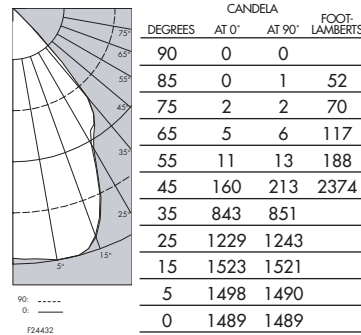
Photometric Data

Clear Specular Reflector

Report Number: 24432
 Lamp: (1) 150A21 SOFT WHITE
 Total Lumens: 2850
 Fixture Efficiency: = 65.7%
 IES File: F24432.IES
 S/MH Ratio = 1.0
 Beam Angle: 78.49

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	49.2	8 - 12
10	26.5	12 - 3
12	16.5	15 - 6
14	11.3	18 - 9
16	8.2	22 - 1

DISTRIBUTION CURVE



COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20								
RC	80		70		50			
RW	50	30	50	30	50	30		
0	78	78	78	78	76	76		
1	73	71	70	68	72	70		
2	69	67	64	61	68	66		
3	67	61	58	56	65	60		
4	63	57	54	51	61	56		
5	58	54	48	46	57	53		
6	56	50	46	42	55	48		
7	53	46	41	39	52	46		
8	50	42	39	35	48	42		
9	47	40	36	34	46	40		
10	45	38	34	32	44	38		

8

S8200A23-CS

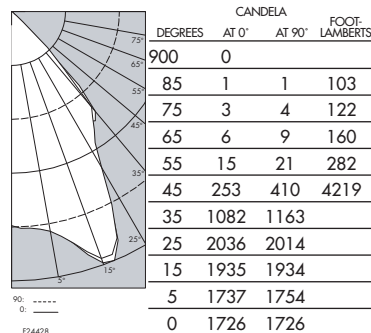
Photometric Data

Clear Specular Reflector

Report Number: 24428
 Lamp: (1) 200A23 SOFT WHITE
 Total Lumens: 3800
 Fixture Efficiency: = 68.6%
 IES File: F24428.IES
 S/MH Ratio = 1.2
 Beam Angle: 83.46

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	57.1	9 - 10
10	30.7	13 - 5
12	19.1	16 - 11
14	13.1	20 - 6
16	9.5	24 - 1

DISTRIBUTION CURVE



COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20								
RC	80		70		50			
RW	50	30	50	30	50	30		
0	81	81	81	81	80	80		
1	78	76	73	71	76	73		
2	72	69	67	64	71	68		
3	68	64	60	57	68	64		
4	65	59	56	52	64	58		
5	61	55	51	47	59	55		
6	57	51	46	44	56	51		
7	55	47	42	40	54	46		
8	52	45	40	36	51	44		
9	48	41	36	34	47	40		
10	46	39	34	32	45	39		

Additional photometric test files are available @ omegalighting.com