

S8150MHED17

8" Lensed Vertical Downlight

SPeX

SX3-8

REV. 08/07

CAT. NO:

TYPE:

PROJECT:

APPLICATIONS

A small aperture lensed reflector downlight for use with efficient metal halide lamps. Provides uniform light distribution for general illumination of areas with lower ceilings in lobbies, reception areas, schools, transportation terminals, bands, malls and offices.

1. **Ballast** - Enclosed, High Power Factor, with <15% THD electronic ballast with internal ignitor, thermally protected. Ballast requires a minimum starting temperature of 5°F. Universal voltage for 50/60HZ with "A" sound rating.

2. **Mounting pan** - Precision die-stamped 16 gauge galvanized steel mounting pan and yoke assembly. Accommodates ceiling materials up to 1-3/8" thick.

3. **Installation** - Mounting pan has pre-installed universal mounting brackets with vertical adjustment. Junction box and mounting brackets are accessible from below ceiling. For 24" C-channel hanger bars, specify Q1032 accessory, ordered separately. For 27" flat bar hangers, specify Q1031 accessory, ordered separately.

4. **Reflector** - Precision spun .050 aluminum one piece reflector, self flanged with clear specular low iridescent 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.

5. **Lens** - Protective lamp shatter shield of tempered safety glass provided with reflector.

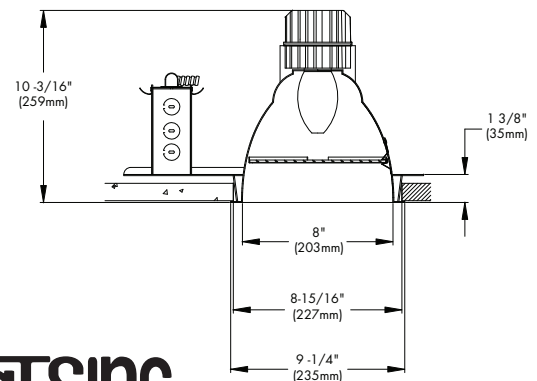
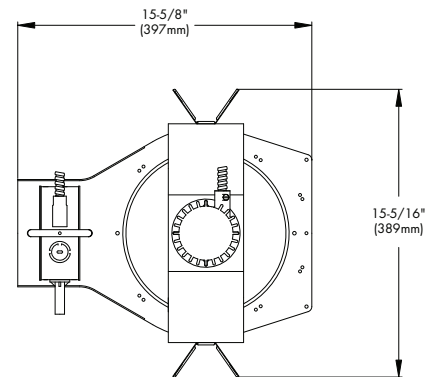
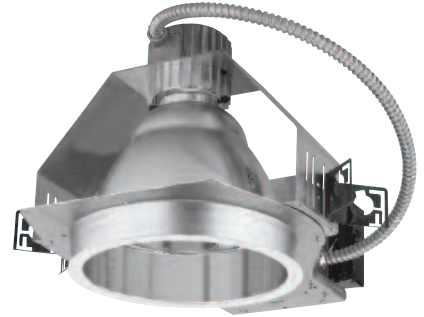
6. **Baffle** - Precision machined .051 aluminum with deep grooves to minimize aperture glare, matte black or matte white finish. Standard flat flange is painted white. Optional black flange available, add FF to catalog number.

7. **Socket** - Medium base 4 K.V. pulse rated porcelain socket with nickel plated copper screw shell and 200° C wire.

8. **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.

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

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



HeatSinc
LAMP SOCKET

CATALOG SYSTEM AND OPTIONS

EXAMPLE OF COMPLETE CATALOG NUMBER: **S8150MHED17EU120-T8MHCSFL**

Spex Aperture	Lamp (by others)	Frame Options	Supply Voltage	Reflector Series/Size	Type	Lens Options (required)	Reflector Options
S8	150MHED17 100MHED17 70MHED17 50MHED17	FZ120 Fuse120volt FZ277 Fuse277volt QEM Quartz QR Quartz Restrike	EU Electronic Universal Voltage 120 through 277 50 & 60 Hz E120 Electronic 120V E277 Electronic 277V	T8	MH	FL Fresnel Lens PL Prismatic Lens CL Clear Lens	CS -Clear Specular CSS- Clear Semi-Specular GS - Gold Specular HZ - Haze PW- Pewter WT - Wheat BZ - Bronze BK - Black WH- White, Paint FF-Finish Flange (Add suffix to color)



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

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

OMEGA
LIGHTING

S8100MHED17-CS

Photometric Data

Clear Specular Reflector

Report Number: 20579A

Lamp: (1) 100W MH

Total Lumens: 8000

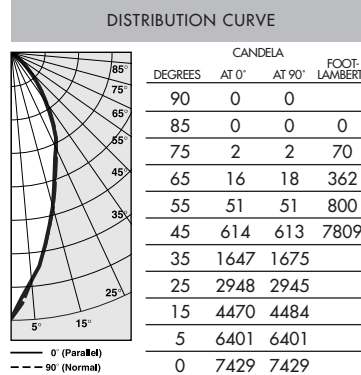
Fixture Efficiency: = 59.6%

IES File: F20579A.IES

S/MH Ratio = 0.6, 0.6

Beam Angle: 38.31

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	245.6	3-10
10	132.1	5-3
12	82.3	6-7
14	56.2	7-12
16	40.8	9-5



COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80			70			50		
	RW	50	30	50	30	50	30	50	30
0	70	70		68	68		66	66	
1	66	64		65	63		61	60	
2	60	58		59	57		57	56	
3	56	54		56	53		55	52	
4	53	50		53	48		51	48	
5	50	46		48	46		47	45	
6	46	42		46	42		45	41	
7	44	40		42	40		42	40	
8	40	38		40	36		40	36	
9	39	34		39	34		38	34	
10	36	33		36	33		35	33	

8

S870MHED17-CS

Photometric Data

Clear Specular Reflector

Report Number: 20954A

Lamp: (1) 70W MH

Total Lumens: 4800

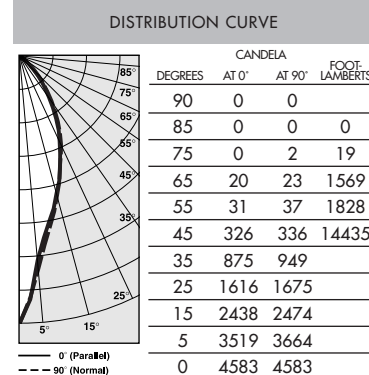
Fixture Efficiency: = 55.2%

IES File: F20954A.IES

S/MH Ratio = 0.5, 0.5

Beam Angle: 34.07

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	151.5	3-4
10	81.5	4-7
12	50.8	5-10
14	34.7	7-1
16	25.1	8-3



COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

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