

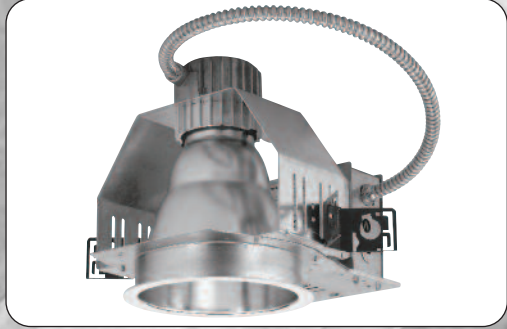
S8 150MHPAR38

8" Open Vertical Downlights

CAT. NO:

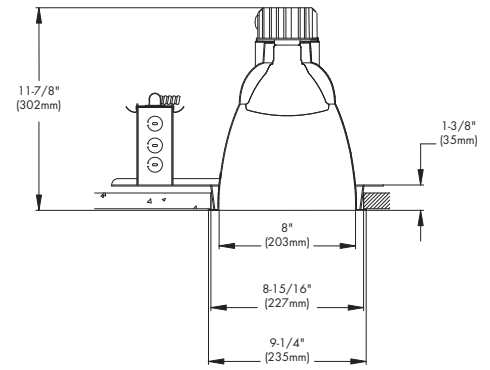
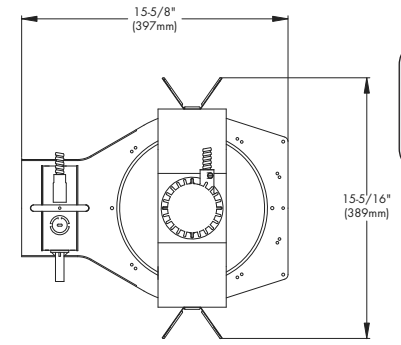
TYPE:

PROJECT:



APPLICATIONS
 A small aperture open 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.

- Ballast** - Enclosed, High Power Factor, with <1.5% 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.
- Mounting pan** - Precision die-stamped 16 guage galvanized steel mounting pan and yoke assembly. Accommodates ceiling materials up to 1-3/8" thick.
- 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.
- 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.
- 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.
- Socket** - Medium base 4 K.V. pulse rated porcelain socket with nickel plated cooper screw shell and 200° C wire.
- 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.
- Thermal protection** - A thermal protection device which meets all U.L. and NEC requirements is standard.
- U.L. Listed** - For use in damp locations and approved for Through Branch Circuit Wiring I.B.E.W union made.



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CATALOG SYSTEM AND OPTIONS

EXAMPLE OF COMPLETE CATALOG NUMBER: **S8150MHPAR38E120-T8CS**

Spex Aperture	Lamp (by others)	Supply Voltage	Reflector Series/Size	Reflector Options	Reflector Finishes
S8	150MHPAR38 100MHPAR38	EU Electronic Universal Voltage 120 through 277 50 & 60 Hz E120 Electronic 120V E277 Electronic 277V	T8	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)



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



S8150MHPAR38-CS

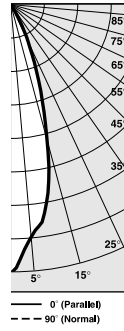
Photometric Data

Clear Specular Reflector

Report Number: 21683A
 Lamp: 150W MH Flood
 Total Lumens: 8800
 Fixture Efficiency: = 94.0%
 IES File: F21683A.IES
 S/MH Ratio = 0.5, 0.5
 Beam Angle: 31.53

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	835.0	3-1
10	449.1	4-3
12	279.9	5-4
14	191.0	6-6
16	138.6	7-7

DISTRIBUTION CURVE



DEGREES	CANDELA		FOOT-LAMBERTS
	AT 0°	AT 90°	
90	0	0	
85	0	0	0
75	0	0	0
65	2	2	43
55	4	5	71
45	87	116	1292
35	408	588	
25	3672	4255	
15	12853	13530	
5	21871	21896	
0	25260	25260	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	Effective Floor Cavity Reflectance 0.20		
	80	70	50
RW	50 30	50 30	50 30
0	112112	109109	104104
1	106104	104102	100 98
2	100 96	98 95	95 93
3	95 92	93 91	92 89
4	91 86	90 86	88 84
5	86 82	86 82	84 81
6	83 80	82 79	81 78
7	81 76	80 76	79 75
8	78 72	77 72	76 72
9	75 70	73 69	73 69
10	71 68	71 68	70 68

S8150MHPAR38BB-CS

Photometric Data

Clear Specular Reflector with Black Baffle

Report Number: 21682A
 Lamp: 150W MH Flood
 Total Lumens: 8800
 Fixture Efficiency: = 83.4%
 IES File: F21682A.IES
 S/MH Ratio = 0.5, 0.6
 Beam Angle: 32.70

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	689.8	3-3
10	371.0	4-5
12	231.2	5-7
14	157.8	6-9
16	114.5	7-11

DISTRIBUTION CURVE



DEGREES	CANDELA		FOOT-LAMBERTS
	AT 0°	AT 90°	
90	0	0	
85	0	0	0
75	0	0	0
65	5	5	106
55	18	13	243
45	113	101	1362
35	544	496	
25	3684	4042	
15	12098	12618	
5	20362	20815	
0	20866	20866	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	Effective Floor Cavity Reflectance 0.20		
	80	70	50
RW	50 30	50 30	50 30
0	98 98	96 96	93 93
1	93 92	92 90	89 86
2	89 85	88 84	84 82
3	84 81	83 81	81 79
4	81 77	80 77	78 76
5	78 73	77 72	75 71
6	73 70	73 69	72 69
7	71 68	70 67	69 67
8	68 65	68 65	68 64
9	66 63	66 63	65 61
10	64 60	64 59	63 59

S8100MHPAR38-CS

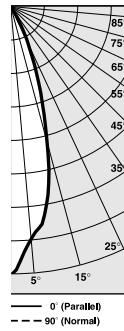
Photometric Data

Clear Specular Reflector

Report Number: 21683-1PA
 Lamp: 100W MH Flood
 Total Lumens: 6800
 Fixture Efficiency: = 94.0%
 IES File: F21683-1PA.IES
 S/MH Ratio = 0.5, 0.5
 Beam Angle: 31.53

LIGHTING PERFORMANCE DATA		
CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)
8	550.4	3-1
10	296.0	4-3
12	184.5	5-4
14	125.9	6-6
16	91.4	7-7

DISTRIBUTION CURVE



DEGREES	CANDELA		FOOT-LAMBERTS
	AT 0°	AT 90°	
90	0	0	
85	0	0	0
75	0	0	0
65	0	0	0
55	3	4	43
45	57	76	665
35	269	387	
25	2420	2805	
15	8472	8919	
5	14417	14433	
0	16651	16651	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	Effective Floor Cavity Reflectance 0.20		
	80	70	50
RW	50 30	50 30	50 30
0	112112	109109	104104
1	106104	104102	100 98
2	100 96	98 95	95 93
3	95 92	93 91	92 89
4	91 86	90 86	88 84
5	86 82	86 82	84 81
6	83 80	82 79	81 78
7	81 76	80 76	79 75
8	78 72	77 72	76 72
9	75 70	73 69	73 69
10	71 68	71 68	70 68