

### 2x2 HID APPLICATIONS:

- UL/CUL Listed Wet Location
- Cleanroom (Classes 100-100,000; ISO Classes 5-9)
- UL/CUL Hazardous Location (Class I, Division 2; Groups A, B, C & D; Class II, Division 2; Groups F & G)
- NSF Certified Food Processing (Splash Zone, Food Zone)
- Industrial & Commercial
- Transit

### BENEFITS:

- Luminaires adaptable to your specific needs

### FEATURES:

- Available with **IP 65 rating**, add -IP65 suffix (requires stainless steel lens frame)
- Available in stainless steel construction
- Every luminaire tested with lamps to assure customer satisfaction
- 5 year limited warranty
- Proudly made in **USA**

## SPECIFICATIONS:

### HOUSING:

Constructed of nominal 20GA (.036) zinc coated steel for unmatched corrosion protection. One welded, tapered, threaded flange on the top provides a sealed wireway access. All seams are sealed with a long life acrylic sealant.

**Food Zone:** All external metal components of stainless steel (S3 option std).

### REFLECTOR:

Fabricated of diffuse aluminum.

### LENS FRAME:

Exclusively designed, heavy duty, extruded, anodized aluminum with stainless steel captive screws used to hold the lens frame tight to the housing. The frame is hinged for support while servicing.

**Food Zone:** All external metal components of stainless steel (S3 option std).

### GASKETING:

Silicone sealant is used to seal the lens into the frame; with our exclusive, mechanically held, extruded, silicone gasket used to seal the frame to the housing.

**Food Zone:** Adhesive sealant is used to seal the lens into the stainless steel frame, with EPDM sealing the frame to the housing.

### FINISH:

Painted surfaces are two mil of white polyester enamel.

### LENS:

.187 pattern 62 tempered glass.

### Splash and Food Zones:

.187 pattern 62 tempered glass with .080 clear polycarbonate overlay.

### ELECTRICAL:

Core and coil ballast standard. Porcelain mogul base lampholder has a nickel plated screw shell.

### MOUNTING:

Surface or custom detail available, for covered ceiling installations.

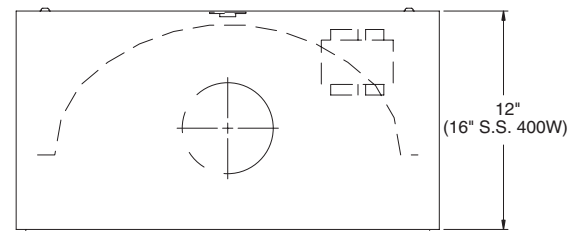
### TEMPERATURE CODE:

Class I, Div. 2 - T2A (295°C); Class II, Div. 2 - T3B (165°C).

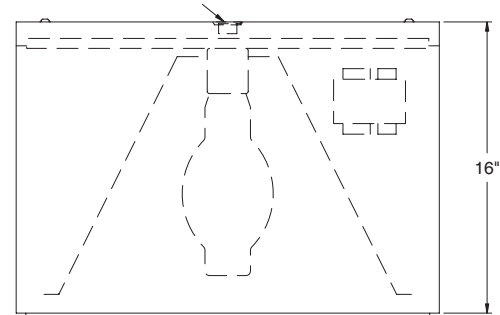
**(No fixture surface exposed to the hazardous atmosphere will exceed this temperature. Based on 40°C (104°F) ambient.)**

### S8: Horizontal Lamp Position

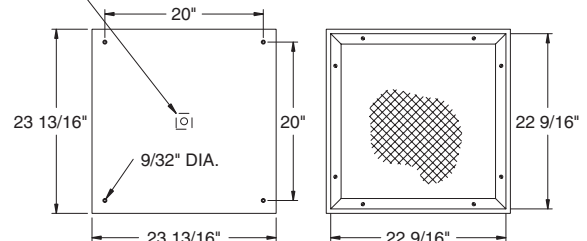
HAZ. LOCATION: 1/2" THREADED HUB (WIRE ENTRY)



### V7: Vertical Lamp Position



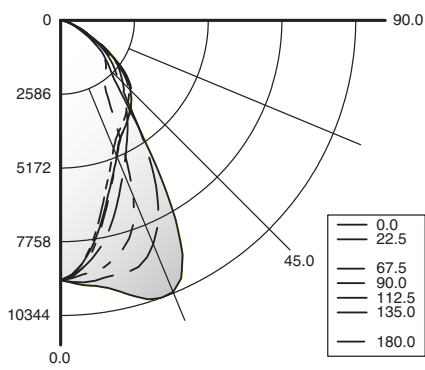
STD: 1/2" THREADED FLANGE (WIRE ENTRY)



### LENS FRAME DETAILS:



**PHOTOMETRICS:** For additional photometry, go to [paramountlighting.com](http://paramountlighting.com)  
 Model S8250M9, Semi-specular Reflector and Tempered Glass Lens, 1 250W MH Lamp, Lamp Lumen Rating = 19500



### Coefficients of Utilization, Zonal Cavity Method

Floor Cavity Reflectance: 20%

RC	.8				.7				.5				.3				.1				0
RW	.7	.5	.3	.1	.7	.5	.3	.1	.5	.3	.1	.5	.3	.1	.5	.3	.1	.5	.3	.1	0
R 0	83	83	83	83	81	81	81	81	78	78	78	74	74	74	71	71	71	70	70	70	70
C 1	78	75	73	71	76	73	71	69	71	69	67	68	66	65	65	64	63	62	62	62	62
R 2	72	67	63	60	70	66	62	59	64	61	58	61	59	57	59	57	55	54	54	54	
3	67	60	56	52	65	59	55	51	57	54	50	56	52	50	54	51	49	47	47	47	
4	62	55	49	45	60	54	49	45	52	48	44	50	47	44	49	46	43	42	42	42	
5	57	50	44	40	56	49	44	40	47	43	39	46	42	39	45	41	39	37	37	37	
6	53	45	40	36	52	45	39	36	43	39	35	42	38	35	41	38	35	33	33	33	
7	50	41	36	32	49	41	36	32	40	35	32	39	35	32	38	34	31	30	30	30	
8	47	38	33	29	46	38	33	29	37	32	29	36	32	29	35	32	29	27	27	27	
9	44	35	30	27	43	35	30	27	34	30	27	34	29	26	33	29	26	25	25	25	
10	41	33	28	25	41	33	28	25	32	28	24	31	27	24	31	27	24	23	23	23	

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	5605	28.7	41
0-40	8185	42	59.8
0-60	12387	63.5	90.5
0-90	13680	70.2	100
90-120	1	0	0
90-130	1	0	0
90-150	1	0	0
90-180	1	0	0
0-180	13682	70.2	100

Total Luminaire Optical Efficiency = 70.2%  
 Spacing Criterion: 0° = 1.21, 90° = 0.69

## 2x2 HID SURFACE LUMINAIRE ORDERING INFORMATION:

<b>SERIES</b>	<b>LAMP WATTS</b>	<b>LAMP TYPE</b>	<b>9</b>	<b>OPT MAT</b>	<b>OPTIONS</b>	<b>VOLTAGE</b>
<b>Horizontal Lamp</b> S8 Wet Location HS8 Hazardous SS8 Splash Zone FS8 Food Zone <b>Vertical Lamp</b> V7 Wet Location SV7 Splash Zone FV7 Food Zone	150* 175* MH only 200 MH only 250* 320 MH only 350* MH only 400*	M MH Mogul Base S HPS Mogul Base	9 .187 Tempered Glass (P62) <b>SPLASH/FOOD ZONE ONLY</b> 9 .187 Tempered Glass (P62) with .080 Clear Polycarbonate Overlay	*S2 Stainless Steel Housing *S3 Stainless Steel Exterior *S5 Stainless Steel Lens Frame Only * Note: If Stainless Steel is ordered, 304 SS Standard, 316 SS and other materials available, consult agent.	<b>FUSING</b> F2 GMF/HLR Fusing (Slow) <b>LENSING</b> H5 .156 C73 Tempered Glass H6 .187 Clear Tempered Glass H7 Acrylic Drop Lens (N/A Splash Zone/Food Zone) J2 .060 Clear Acrylic Overlay (N/A Food Zone) J6 .080 Clear Polycarbonate Overlay (Std, Food Zone) J8 Wire Guard (N/A Splash Zone/Food Zone) K0 .200 V825 Acrylic (N/A Food Zone) K6 External Prisms (N/A Splash Zone/Food Zone) <b>MOUNTING</b> M1 Pendant Mount (S8 Only, 16" deep) (Pendants By Others, Consult Factory for Details) M2 Mounting Bracket Kit (Surface) M6 Angled Mounting Bracket (Consult Agent) <b>MISC</b> IP65 IP rated (-S5 option required) P9 Special Paint Color (Provide Paint Code & Chip) R4 Asymmetric Reflector (N/A Vertical Lamp) S1 Special Material (Consult Agent) T3 Tamper Resistant (Hex w/pin STD, Others Avail) Y3 Quartz Restrike (N/A Hazardous Location)	120V/60Hz STD 208V/60Hz 240V/60Hz 277V/60Hz 347V/60Hz 480V/60Hz 50Hz Available

Add hyphens between options

**S8 Series requires 16" deep housing when Stainless Steel.**  
**All Vertical Lamp models require 16" deep housing.**  
**Other Wattages Available, Consult Factory.**

**NSF Food Processing Note:**  
 Food Zone (F prefix) luminaires come in DIRECT CONTACT with food.  
 Splash Zone (S prefix) units may become soiled, but are outside the danger of recontamination.

Hazardous Location: Food Processing:

**Project Information:**