

SPECIFICATION FEATURES

Optical System: Patented field adjustable multi-focal optical system adapts to a broad range of lighting applications. Reflectors are high-purity aluminum alloy, chemically brightened, anodized and sealed. Tool-less adjusting mechanism includes adjustment scale to assist in accurate field-adjustment.

Housing: Heavy gauge, die-cast aluminum. Removable top splice-compartment with cast aluminum hook. 3/4" K.O.'s top and sides.

Ballast: Constant Wattage Autotransformer. Copper-wound with laminated steel core. High Power factor with 4K ignitor. 100% factory tested after assembly.

Source: Pulse Start Metal Halide, for Vertical, Open-Rated operation, with internal Quartz shroud around arc-tube, coated envelope. (Lamp ordered separately).

Socket: Mogul Exclusionary Base (EX39). Porcelain, with "pink" glaze. Nickel-plated brass screwshell. Open rated, requiring extended-pin open-rated lamp.

Finish: White polyester powder coat

Listing: UL Listed, suitable for damp locations, 40° C ambient



NOTE: Assembled and shipped by a U.L. certified supplier. Made in USA

ORDERING INFORMATION

Catalog number:

HBM	SFM22	1	2	3	4
Type	Family	Wattage	Source	Voltage	Options

Type: HBM = High Bay Magnetic
 Family: SFM22 = Standard Faceted Metal 22" Ø

- 1** Wattage: 150 = 150 Watts
 200 = 200 Watts
 250 = 250 Watts
 320 = 320 Watts
 400 = 400 Watts

- 2** Source: PSM = Pulse Start Metal Halide
 CMH = Ceramic Metal Halide

- 3** **Voltage:** MT = Multi-Tap (120, 208, 240, 277)
 TT = Tri-Tap (120, 277, 347)
 480 = 480 volt
 277 = 277 volt Lag/Reactor ballast

- 4** **Options: Cord:**
 CB3 = 3 ft. Black cord CW3 = 3 ft. White cord
 CB6 = 6 ft. Black cord CW6 = 6 ft. White cord
 CB8 = 8 ft. Black cord CW8 = 8 ft. White cord

- Plugs** (Twist-lok caps)
- | | |
|-------------------|-------------------|
| P51 (NEMA L5-15P) | P71 (NEMA L7-15P) |
| P52 (NEMA L5-20P) | P72 (NEMA L7-20P) |
| P53 (NEMA L5-30P) | P73 (NEMA L7-30P) |
| P61 (NEMA L6-15P) | P81 (NEMA L8-15P) |
| P62 (NEMA L6-20P) | P82 (NEMA L8-20P) |
| P63 (NEMA L6-30P) | P83 (NEMA L8-30P) |

- SF = Single Fuse (120, 277, 347 volt)
- DF = Double Fuse (208, 240, 480 volt)
- QRS = Quartz Restrike (wattage equal or less than HID)
- Bi-Level Dimming - Consult Factory

STINGRAY ENERGY SYSTEMS, LLC

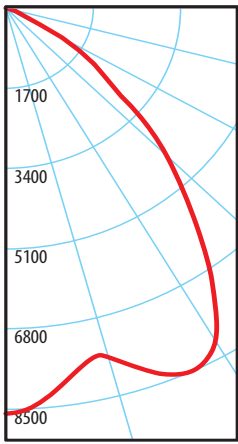
1550 Douglas Drive
 Charleston, IL 61920

Telephone: (847) 656-3557

Facsimile : (217) 348-5391

Web site : www.stingrayenergy.com

Accessories: all field-installed please order separately
 SCK = Safety Cable Kit



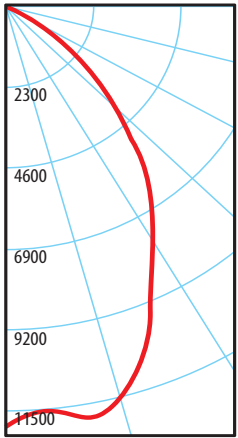
Angle	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
Candela Values	8616	8352	7825	7632	8223	8514	8160	6978	5740	4418	2938	2081	1274	366	86	0	0	0	0

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 90°	16948.1	75	100
90° - 180°	0	0	0
0° - 180°	16948.1	75	100

#ITL56955
Spacing Criteria= 1.3

Coefficients of Utilization

pf	10%												
	80%			50%			30%			10%			
pc	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
pw	0	82	82	82	79	79	79	77	77	77	76	76	76
1	76	74	72	73	72	71	72	71	70	70	69	69	69
2	69	66	64	67	65	63	66	64	62	64	63	61	61
3	63	59	56	61	58	55	60	57	55	59	56	54	54
4	58	53	50	56	52	49	55	51	49	54	51	48	48
5	53	48	44	51	47	44	50	46	44	49	46	43	43
6	48	43	40	47	43	39	46	42	39	45	42	39	39
7	44	39	36	43	39	35	42	38	35	42	38	35	35
8	41	36	32	40	35	32	39	35	32	38	35	32	32
9	38	33	29	37	32	29	36	32	29	36	32	29	29
10	35	30	27	34	30	27	34	30	27	33	29	27	27



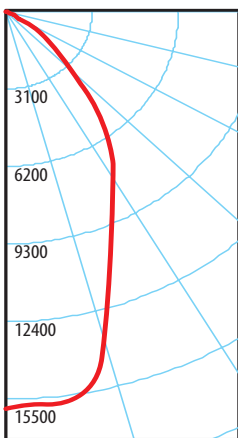
Angle	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
Candela Values	11948	11567	11880	11635	10495	9066	7691	6640	5365	3694	2578	1773	767	204	25	0	0	0	0

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 90°	17337	76.7	100
90° - 180°	0	0	0
0° - 180°	17337	76.7	100

#ITL56954
Spacing Criteria= 1.0

Coefficients of Utilization

pf	10%												
	80%			50%			30%			10%			
pc	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
pw	0	83	83	83	81	81	81	79	79	79	77	77	77
1	78	76	75	75	74	73	74	73	72	73	72	71	71
2	72	69	67	70	67	66	68	66	65	67	66	64	64
3	66	63	60	64	61	59	63	61	58	62	60	58	58
4	61	57	54	59	56	53	58	55	53	57	55	52	52
5	56	52	48	55	51	48	54	50	48	53	50	47	47
6	52	47	44	51	47	44	50	46	43	49	46	43	43
7	48	43	40	47	43	40	46	43	40	46	42	39	39
8	45	40	37	44	40	37	43	39	36	42	39	36	36
9	42	37	34	41	37	34	40	36	34	40	36	33	33
10	39	34	31	38	34	31	38	34	31	37	34	31	31



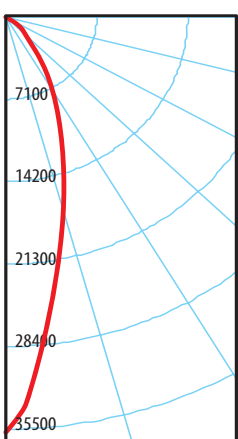
Angle	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
Candela Values	15854	15788	15587	13855	11053	9024	7748	6543	4924	3306	2398	1550	571	144	17	1	0	0	0

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 90°	17689.6	78.3	100
90° - 180°	0	0	0
0° - 180°	17689.6	78.3	100

#ITL56952
Spacing Criteria= 0.8

Coefficients of Utilization

pf	10%												
	80%			50%			30%			10%			
pc	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
pw	0	85	85	85	82	82	82	81	81	81	79	79	79
1	80	78	77	77	76	75	76	75	74	74	74	74	73
2	74	71	69	72	70	68	71	69	67	69	68	66	66
3	69	65	62	67	64	61	65	63	61	64	62	60	60
4	64	60	56	62	58	56	61	58	55	60	57	55	55
5	59	55	51	57	54	51	56	53	51	56	53	50	50
6	55	50	47	54	50	47	53	49	46	52	49	46	46
7	51	46	43	50	46	43	49	45	43	48	45	43	43
8	48	43	40	47	43	40	46	42	39	45	42	39	39
9	45	40	37	44	40	37	43	39	37	43	39	37	37
10	42	38	34	41	37	34	41	37	34	40	37	34	34



Angle	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
Candela Values	35753	29483	22817	17401	13285	9770	7415	5265	3401	2362	1656	784	254	46	17	6	0	0	0

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 90°	17988	79.6	100
90° - 180°	0	0	0
0° - 180°	17988	79.6	100

#ITL56953
Spacing Criteria= 0.5

Coefficients of Utilization

pf	10%												
	80%			50%			30%			10%			
pc	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
pw	0	87	87	87	84	84	84	82	82	82	80	80	80
1	82	80	79	79	78	77	78	77	76	76	76	76	75
2	77	74	72	75	73	71	73	72	70	72	71	70	70
3	72	69	67	70	68	66	69	67	65	68	66	65	65
4	68	64	61	66	63	61	65	63	60	64	62	60	60
5	64	60	57	62	59	57	61	59	56	61	58	56	56
6	60	56	53	59	55	53	58	55	53	57	55	52	52
7	57	53	50	56	52	49	55	52	49	54	51	49	49
8	54	50	47	53	49	46	52	49	46	52	49	46	46
9	51	47	44	50	46	44	50	46	44	49	46	44	44
10	48	44	42	48	44	41	47	44	41	47	44	41	41



Item : HBM SFM 150-400

Photometric Laboratory :
Independent Testing Laboratories, Inc.
Based upon one 250-Watt coated ED-28 PS MH VBU
(Open Rated)

150 Watt Electrical Data

Voltage	Circuit	Watts	Amps
120	CWA	190	1.7
208	CWA	190	1
240	CWA	190	0.85
277	CWA	190	0.75
347	CWA	190	0.55
480	CWA	190	0.4
277R	Reactor	170	1.5

200 Watt Electrical Data

Voltage	Circuit	Watts	Amps
120	CWA	232	2
208	CWA	232	1.15
240	CWA	232	1
277	CWA	232	0.85
347	CWA	232	0.7
480	CWA	232	0.5
277R	Reactor	219	1.25

250 Watt Electrical Data

Voltage	Circuit	Watts	Amps
120	CWA	288	2.5
208	CWA	288	1.45
240	CWA	288	1.25
277	CWA	288	1.1
347	CWA	288	0.9
480	CWA	288	0.6
277R	Reactor	275	1.35

320 Watt Electrical Data

Voltage	Circuit	Watts	Amps
120	CWA	368	3.2
208	CWA	368	1.8
240	CWA	368	1.6
277	CWA	368	1.4
347	CWA	368	1.15
480	CWA	368	0.8
277R	Reactor	349	1.7

400 Watt Electrical Data

Voltage	Circuit	Watts	Amps
120	CWA	450	4
208	CWA	450	2.3
240	CWA	450	2
277	CWA	450	1.75
347	CWA	451	1.4
480	CWA	455	1
277R	Reactor	435	2.1

