

Type No. _____

Catalog No. _____

Job. Name _____

Revealer Series

Recessed HID Parabolic 2x2

APPLICATIONS

- Malls, Supermarkets, Shopping Centers, Hospitals, Hotels, Car Dealerships, Office Complexes, Schools & Colleges, Fast Food Sites and Restaurants.

CONSTRUCTION

- Formed steel housing.
- Hinged and latched enclosures.
- White polyester powder coated finish.
- Formed steel top reflector easily removed for plenum access.
- Truncated-pyramidal sides.

OPTICS

- Vertical lamp for uniform louver brightness.
- 3" parabolic-shaped louver with semi-specular natural aluminum finish.
- White polyester powder coated interior. 90 to 92% reflectance.
- 1/8" clear C73 tempered glass overlay.
- Louver is available in 9-cell configuration.

ELECTRICAL

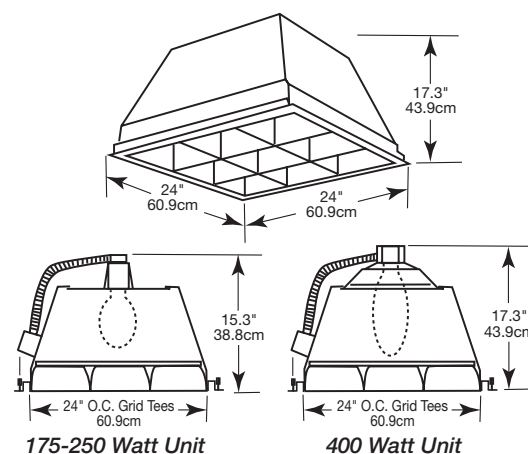
- Porcelain spring loaded 4KV pulse rated socket-mogul base.
- CWA, HPF encapsulated ballast for quiet operation.
- Starting temperature: LX(HPS)-40°F/-40°C, MA(MH)-20°F/-30°C.
- All metal halide fixtures are pulse start.

MOUNTING

- Door frame fits into inverted T-bar ceiling.
- Optional field installed flange kit. (FMK-22) for non-grid ceilings.

WARRANTY/LISTINGS

- UL 1598 listed for wet locations (covered ceilings only).
- Published one year limited warranty.



Ordering Guide Example: RHP9175PMA-1

RHP	9	175	PMA		—	1
Prefix	Cell Count	Wattage	Source	Options		Voltage
RHP	9	175 (E/BT28) 250 (E/BT28) 400 (E/BT28)	PMA	F = Fusing for 120/277V G = Fusing for 208/240/480V.		1=120 4=277
		150 (E23.5) 250 (E18) 400 (E18) ¹	LX	HOR ¹ = Horizontal Lamp Q ^{2,3} = Time delay quartz restrike		

Notes:

- ¹ Consult factory.
- ² Auxiliary lamp switches on during both hot and cold start conditions and remains on until the primary HID lamp reaches 70% of its design output.
- ³ 150W max. Socket rated for 250W quartz lamp. 75W catalog number Q75T4. (CEW#JD75W/BD) Restrike lamp cannot exceed the primary lamp wattage.

Exceline

1611 Clovis R. Barker Road • San Marcos, TX 78666
800.545.1326 • 512.392.5821 • Fax: 512.753.1122 • www.exceline.com

PT#: EXSP0129A0812

Product information is subject to change without notice

PHILIPS

Revealer Series

Recessed HID Parabolic 2x2

PHOTOMETRIC DATA

150 WATT PULSE START (9 CELL)

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (p/c=0.20)																		
CEIL	80				70				50				30				10	0
WALL	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	59	59	59	59	57	57	57	57	55	55	55	52	52	52	50	50	50	49
1	55	54	52	51	54	53	51	50	51	50	49	49	48	47	47	46	46	45
2	52	49	47	45	51	48	46	44	47	45	43	45	44	42	44	42	41	40
3	49	45	42	39	48	44	41	39	43	40	38	41	39	38	40	39	37	36
4	45	41	37	35	44	40	37	34	39	36	34	38	36	34	37	35	33	32
5	42	37	33	31	41	36	33	30	35	32	30	34	32	30	34	31	30	29
6	39	34	30	27	38	33	30	27	32	29	27	31	29	27	31	28	26	24
7	36	30	27	24	35	30	27	24	29	26	24	29	26	24	28	25	24	23
8	33	27	24	21	33	27	24	21	26	23	21	26	23	21	25	23	21	20
9	31	25	21	19	30	24	21	18	24	21	18	23	20	18	23	20	18	17
10	29	22	19	16	28	22	19	16	22	19	16	21	18	16	21	18	16	15

SPACING CRITERIA: NORMAL = 1.3 PARALLEL = 1.3

WIDE SPREAD S/MH = 1.5

ZONAL SUMMARY

	LUMENS	%LAMP	%FIXTURE
(0-30)	2815	20.1	40.4
(0-40)	4566	32.6	65.5
(0-60)	6725	48.0	96.5
(0-90)	6969	49.8	100.0
(90-180)	0	0	0
(0-180)	6969	49.8	100.0

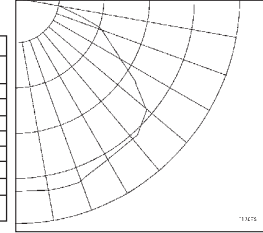
CANDLEPOWER

ZONE	PAR	45	NOR	LUMENS
0	3573	3573	3573	
5	3562	3549	3579	340.4
15	3466	3491	3475	985.7
25	3252	3162	3267	1488.8
35	2848	2732	2869	1750.8
45	1782	1750	1773	1377.7
55	877	836	889	782.1
65	201	238	193	220.5
75	25	22	18	22.9
85	0	0	0	0

AVERAGE BRIGHTNESS

ZONE	PAR	NOR
45	2507	2495
50	1973	1975
55	1521	1542
60	1132	1142
65	473	454
70	148	125
75	96	69
80	40	40
85	0	0

DISTRIBUTION CURVE



250 WATT PULSE START (9 CELL)

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (p/c=0.20)																		
CEIL	80			70			50			30			10			0		
WALL	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	57	57	57	57	56	56	56	56	53	53	53	51	51	51	49	49	49	48
1	54	52	51	50	53	51	50	49	49	48	47	47	46	46	45	45	44	
2	51	48	46	44	49	47	45	43	45	44	42	44	43	41	43	41	40	
3	47	44	41	39	46	43	40	38	42	40	38	41	39	37	39	38	37	
4	44	40	37	34	43	39	36	34	38	36	34	37	35	33	36	34	33	
5	41	36	33	30	40	36	33	30	35	32	30	34	32	30	33	31	29	
6	38	33	30	27	38	33	30	27	32	29	27	31	29	27	31	28	27	
7	36	30	27	24	35	30	26	24	29	26	24	28	26	24	28	26	24	
8	33	27	24	21	32	27	24	21	26	23	21	26	23	21	25	23	21	
9	30	25	21	19	30	24	21	19	24	21	19	23	20	18	23	20	18	
10	28	22	19	17	28	22	19	17	22	19	17	21	18	16	21	18	16	

SPACING CRITERIA: NORMAL = 1.3 PARALLEL = 1.2

WIDE SPREAD S/MH = 1.5

ZONAL SUMMARY

	LUMENS	%LAMP	%FIXTURE
(0-30)	4231	20.6	42.8
(0-40)	6797	33.2	68.7
(0-60)	9728	47.5	98.4
(0-90)	9888	48.2	100.0
(90-180)	0	0	0
(0-180)	9888	48.2	100.0

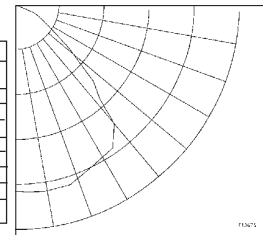
CANDLEPOWER

ZONE	PAR	45	NOR	LUMENS
0	5119	5119	5119	
5	5127	5151	5128	490.6
15	5176	5203	5221	1473.3
25	4668	5068	4841	2266.7
35	4098	4008	4145	2565.9
45	2355	2598	2453	1919.7
55	1163	1098	1171	1011.4
65	134	126	123	127.9
75	34	31	31	32.7
85	0	0	0	0

AVERAGE BRIGHTNESS

ZONE	PAR	NOR
45	3314	3451
50	2575	2653
55	2017	2031
60	1009	933
65	315	289
70	201	189
75	131	119
80	57	34
85	0	0

DISTRIBUTION CURVE



350 WATT PULSE START (9 CELL)

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (p/c=0.20)																		
CEIL	80			70			50			30			10			0		
WALL	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0			
RCR																		
0	70	70	70	70	68	68	68	68	65	65	65	62	62	62	60	60	59	
1	66	64	62	61	64	63	61	60	60	59	58	58	57	56	56	55	54	53
2	62	58	56	53	60	57	55	53	55	53	51	54	52	50	52	51	49	48
3	58	53	50	47	57	52	49	46	51	48	46	49	47	45	48	46	44	43
4	54	48	44	41	53	48	44	41	46	43	41	45	42	40	44	42	40	39
5	50	44	40	37	49	43	39	36	42	39	36	41	38	36	40	37	35	34
6	47	40	36	33	46	40	36	33	39	35	32	38	34	32	37	34	32	31
7	43	36	32	29	42	36	32	29	35	31	29	34	31	29	34	31	28	27
8	40	33	29	26	39	33	28	26	32	28	25	31	28	25	31	27	25	24
9	37	30	25	22	36	29	25	22	29	25	22	28	25	22	28	24	22	21
10	34	27	23	20	34	27	23	20	26	22	20	26	22	20	25	22	20	19

SPACING CRITERIA: NORMAL = 1.3 PARALLEL = 1.3

WIDE SPREAD S/MH = 1.3

ZONAL SUMMARY

	LUMENS	%LAMP	%FIXTURE
(0-30)	10567	26.4	44.8
(0-40)	16348	40.9	69.4
(0-60)	22778	56.9	96.7
(0-90)	23562	58.9	100.0
(90-180)	0	0	0
(0-180)	23562	58.9	100.0

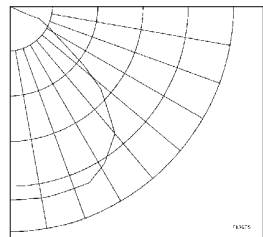
CANDLEPOWER

ZONE	CANDELA	LUMENS
0	12361	
5	12446	464.3
15	11945	1565.8
25	11407	2538.6
35	9533	3019.2
45	5622	2292.2
55	2797	1357.7
65	883	560.3
75	58	44.3
85	2	7.5

AVERAGE BRIGHTNESS

ZONE	CD/SQ.M.
45	34323
50	26929
55	21048
60	16116
65	9017
70	2734
75	962
80	50
85	0

DISTRIBUTION CURVE



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PHILIPS

Revealer Series

Recessed HID Parabolic 2x2

Indoor Accessories - Order as separate part number.

FMK22 = Flange Kit For Field Installation
For non-grid type ceilings

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