

Type No. _____

Catalog No. _____

Job. Name _____

Revealer Series

Recessed HID Lensed 2x2

APPLICATIONS

- Malls, Supermarkets, Shopping Centers, Hospitals, Hotels, Car Dealerships, Sports Courts, 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.
- Available with polycarbonate lens for gym use.

OPTICS

- Vertical lamp for uniform brightness.
- Truncated pyramidal reflector for uniformity.
- Acrylic pattern 12, .125 lens with 1/8" tempered clear glass overlay.

ELECTRICAL

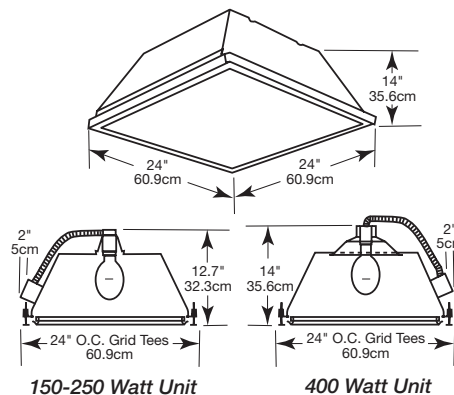
- Porcelain spring loaded 4KV pulse rated socket-mogul base.
- CWA, HPF encapsulated ballast for quiet operation.
- Starting temperature: LX(HPS)-40°F/-40°C, MA(MH)-20°F/-30°C.
- All metal halide fixtures are pulse start.

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: RHLAF175PMA-1

RHL	AF	175	PMA	VL	—	1
Prefix	Door Style	Wattage	Source	Options		Voltage
RHL	AF=Aluminum Flush	100 (E/BT28)	PMA	VL=Symmetric / Vandal Lens		1=120
	AR=Aluminum Regressed	175 (E/BT28)				4=277
	SF=Steel Flush	250 (E/BT28)		F = Fusing for 120/277V		
	SR=Steel Regressed	400 (E/BT28)		G = Fusing for 208/240/480V.		
		150 (E23.5)	LX	HOR ¹ = Horizontal Lamp		
		250 (E18)		Q ^{2,3} = Time delay quartz restrike		
		400 ¹ (E18)				

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

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PT#: EXSP0127A0812

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PHILIPS

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Recessed HID Lensed 2x2

Indoor Accessories - Order as separate part number.

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

PHOTOMETRIC DATA

150 WATT PULSE START

MEDIUM SPREAD S/MH = 1.4

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE												
20 PER (pfc=0.20)												
pcc												
pw70												
RCR												
0	84	84	84	84	84	82	82	82	82	82	82	82
1	78	75	72	70	70	76	73	71	69	69	69	69
2	72	67	63	60	60	70	66	62	59	59	59	59
3	67	60	55	51	51	65	59	55	51	51	51	51
4	62	54	49	45	45	60	53	48	44	44	44	44
5	57	49	43	39	39	55	48	43	39	39	39	39
6	52	44	38	34	34	51	43	38	34	34	34	34
7	48	40	34	30	30	47	39	34	30	30	30	30
8	45	36	30	26	26	43	35	30	26	26	26	26
9	41	32	26	23	23	40	31	26	22	22	22	22
10	38	29	23	20	20	37	29	23	20	20	20	20

AVERAGE BRIGHTNESS

ZONE	END	CROSS
45	3369	3124
55	2439	2286
65	1921	1847
75	1589	1508
85	1339	1339

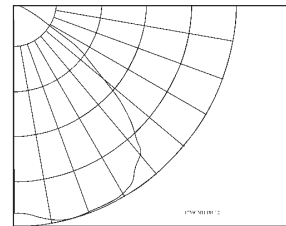
ZONAL SUMMARY

	Lumens	%LPLU	%Total Dist.
(0-30)	3269	23.3	33.1
(0-40)	5500	39.3	55.7
(0-60)	8668	61.9	87.7
(0-90)	9908	70.6	100.0

CANDLEPOWER

Zone	Average Candela	Zone	Average Candela
0	3908	45	2463
5	3917	55	1406
15	3936	65	744
25	3856	75	390
35	3528	85	134

DISTRIBUTION CURVE



250 WATT PULSE START

MEDIUM SPREAD S/MH = 1.3

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE												
20 PER (pfc=0.20)												
pcc												
pw70												
RCR												
0	84	84	84	84	84	82	82	82	82	82	82	82
1	78	75	72	70	70	76	73	71	69	69	69	69
2	72	67	63	60	60	70	66	62	59	59	59	59
3	67	60	55	51	51	65	59	55	51	51	51	51
4	62	54	49	45	45	60	53	48	44	44	44	44
5	57	49	43	39	39	55	48	43	39	39	39	39
6	52	44	38	34	34	51	43	38	34	34	34	34
7	48	40	34	30	30	47	39	34	30	30	30	30
8	45	36	30	26	26	43	35	30	26	26	26	26
9	41	32	26	23	23	40	31	26	22	22	22	22
10	38	29	23	20	20	37	29	23	20	20	20	20

AVERAGE BRIGHTNESS

ZONE	END	CROSS
45	4933	4574
55	3572	3348
65	2813	2705
75	2326	2209
85	1961	1961

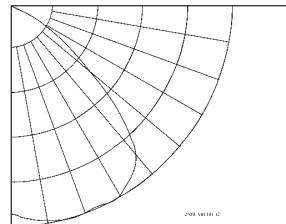
ZONAL SUMMARY

	Lumens	%LPLU	%Total Dist.
(0-30)	4786	23.3	33.1
(0-40)	8053	39.3	55.7
(0-60)	12692	61.9	87.7
(0-90)	14467	70.6	100.0

CANDLEPOWER

Zone	Average Candela	Zone	Average Candela
0	5723	45	3606
5	5735	55	2058
15	5741	65	1090
25	5647	75	572
35	5166	85	197

DISTRIBUTION CURVE



350 WATT PULSE START

MEDIUM SPREAD S/MH = 1.3

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE												
20 PER (pfc=0.20)												
pcc												
pw70												
RCR												
0	88	88	88	88	88	86	86	86	86	86	86	86
1	82	79	77	74	74	80	78	75	73	73	73	73
2	76	71	67	63	63	74	70	66	63	63	63	63
3	71	64	59	55	55	69	63	58	54	54	54	54
4	65	58	52	48	48	64	57	52	48	48	48	48
5	60	52	46	42	42	59	51	46	42	42	42	42
6	56	47	41	37	37	55	46	41	37	37	37	37
7	52	43	37	33	33	51	42	36	32	32	32	32
8	48	38	33	28	28	47	38	32	28	28	28	28
9	44	35	29	25	25	43	34	29	25	25	25	25
10	41	31	26	22	22	40	31	26	22	22	22	22

AVERAGE BRIGHTNESS

ZONE	END	CROSS
45	7833	7193
55	5942	5582
65	4689	4486
75	3803	3702
85	2749	3239

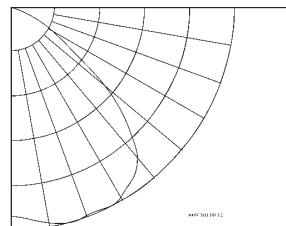
ZONAL SUMMARY

	Lumens	%LPLU	%Total Dist.
(0-30)	8901	26.2	35.1
(0-40)	14788	43.5	58.4
(0-60)	22382	65.8	88.3
(0-90)	25337	74.5	100.0

CANDLEPOWER

Zone	Average Candela	Zone	Average Candela
0	10611	45	5787
5	10624	55	3408
15	10667	65	1819
25	10518	75	957
35	9264	85	304

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