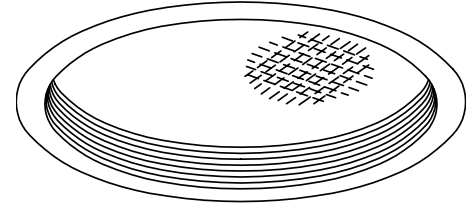


REGRESSED LENS: LOBBY / MALL



Features

Lamp

- 250 watt coated E/BT/ED-28.
- See Option -43 for optional lower wattage.
- Option -23 for Mercury, Option -24 for HPS.

Socket

- Vertical. Mogul base.
- Glazed porcelain.
- Nickel-plated brass screw shell. Silicone leads.

Reflector

- Specular Alzak® aluminum.

Trim Assembly

- Seamless tapered black OptiGroove with white flange.
- Self-flanged trim.
- UV absorbing tempered low brightness prismatic glass.
- Torsion springs retain snug fit to ceiling.

Ballast Assembly

- WhisperPack™ fully encapsulated 180°C rated HPF ballast.
- Premium Class H; CWA 10:9 regulation.
- Capacitor supplied.
- 120 volt standard or see optional voltages.
- Cool, quiet, long-life. Silicone leads.
- Visible and easily serviced in all ceilings including dry wall.

Fuse

- Fused primary. Renewable. Aids servicing.

Housing

- Acrylic enameled aluminum.
- Cool: Dissipates heat across entire surface area.
- Rustproof. Exceeds 1000 hour ASTM 5% salt spraytest.
- Entire luminaire serviced through removable trim assembly.
- Built-in plaster frame.

Outlet Box

- Prewired 14 GA (NEC) galvanized steel, UL listed.
- Removable insulated cover.
- 1/2" and 3/4" knockouts.

Installation

- 27" galvanized channel bar hanger supplied (2).
- Fully adjustable universal mounting brackets supplied (2).
- Recesses indoor or outdoor in covered locations.

UL Listing

- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12).

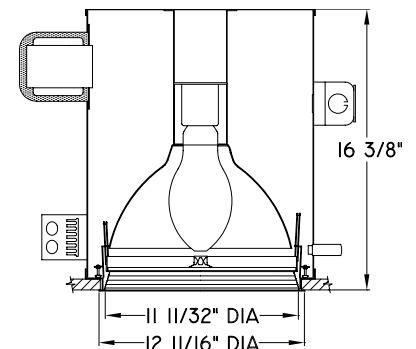
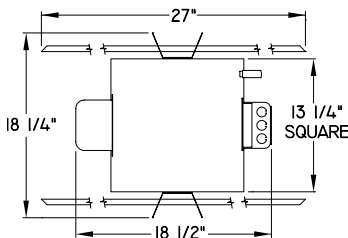
Three Year Limited Warranty

- Complete standard fixture.

Thermal Protection

- Per current NEC.

APPROVAL STAMP



THE KIRLIN COMPANY

3401 EAST JEFFERSON AVENUE ■ DETROIT, MICHIGAN 48207-4232
(313) 259-6400 ■ FAX: (313) 259-9409 OR (313) 259-3121

**HIGH EFFICIENCY
METAL HALIDE LIGHTING**

LAMP
E/BT/ED-28

WATTAGE
250

RR51223

RR51223 RECESSED ROUND: 250 WATT MOGUL BASE METAL HALIDE

Performance at a Glance - Installed Fixture

RR51223

Ft.	FC	DIA.
6	299.8	5.0
8	168.6	6.7
10	107.9	8.3
12	74.9	10.0
14	55.1	11.7
16	42.2	13.3

RR51223-FR

Ft.	FC	DIA.
6	409.9	4.6
8	230.6	6.2
10	147.6	7.7
12	102.5	9.2
14	75.3	10.8
16	57.6	12.3

RR51223-HO

Ft.	FC	DIA.
6	285.8	5.9
8	160.8	7.9
10	102.9	9.9
12	71.4	11.8
14	52.5	13.8
16	40.2	15.8

Cone of Light Key

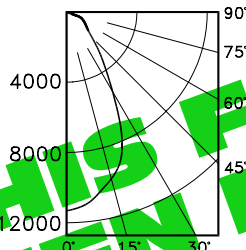
Ft. Distance to surface from fixture (mounting height)
FC. Footcandles
DIA. Diameter (in feet) of the circle of light when FC value is half the FC at center.

Photometric Data - Installed Fixture

RR51223

S/MH 0.9

EFF. = 56.8%



CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
10792	10792	10792	10792	10792	10792
10288	10288	10288	10288	10288	10288
8862	8862	8862	8862	8862	8862
6448	6448	6448	6448	6448	6448
3150	3150	3150	3150	3150	3150
1585	1585	1585	1585	1585	1585
1017	1017	1017	1017	1017	1017
672	672	672	672	672	672
365	365	365	365	365	365
6	6	6	6	6	6
0	0	0	0	0	0

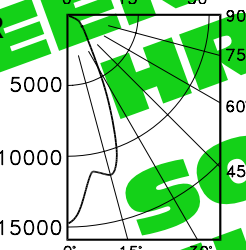
EFFICIENCY OF UTILIZATION

	80	20	50	30	10	50	30	10
RC	70	50	30	10	50	30	10	
1	63	61	59	58	58	56	55	
2	59	56	53	50	53	50	48	
3	55	51	47	44	48	45	43	
4	52	46	43	40	44	41	39	
5	49	43	39	36	41	38	35	
6	46	40	36	33	38	35	32	
7	43	37	33	30	36	32	30	
8	41	34	31	28	33	30	28	
9	39	32	28	26	31	28	26	
10	37	30	27	24	30	26	24	

RR51223-FR

S/MH 0.7

EFF. = 62.6%



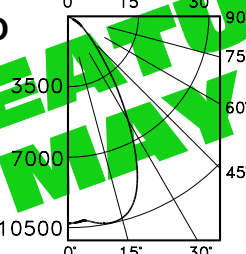
	0.0	22.5	45.0	67.5	90.0
14757	14757	14757	14757	14757	14757
13101	13101	13101	13101	13101	13101
11855	11855	11855	11855	11855	11855
6985	6985	6985	6985	6985	6985
2751	2751	2751	2751	2751	2751
1542	1542	1542	1542	1542	1542
1173	1173	1173	1173	1173	1173
760	760	760	760	760	760
330	330	330	330	330	330
14	14	14	14	14	14
0	0	0	0	0	0

	80	20	50	30	10	50	30	10
RC	70	50	30	10	50	30	10	
1	70	68	66	64	64	62	61	
2	66	62	59	56	58	56	54	
3	61	56	53	50	54	51	48	
4	58	52	48	45	50	46	44	
5	54	48	44	41	46	43	40	
6	51	45	40	37	43	40	37	
7	48	42	38	34	41	37	34	
8	46	39	35	32	38	34	32	
9	44	37	33	30	36	32	30	
10	42	35	31	28	34	30	28	

RR51223-HO

S/MH 0.9

EFF. = 62.2%



	0.0	22.5	45.0	67.5	90.0
10288	10288	10288	10288	10288	10288
10285	10285	10285	10285	10285	10285
10444	10444	10444	10444	10444	10444
8169	8169	8169	8169	8169	8169
4063	4063	4063	4063	4063	4063
1747	1747	1747	1747	1747	1747
785	785	785	785	785	785
336	336	336	336	336	336
110	110	110	110	110	110
0	0	0	0	0	0

	80	20	50	30	10	50	30	10
RC	70	50	30	10	50	30	10	
1	70	68	66	65	64	63	62	
2	66	62	59	57	59	57	55	
3	62	57	54	51	55	52	50	
4	58	53	49	46	51	48	45	
5	55	49	45	42	47	44	41	
6	52	46	41	38	44	41	38	
7	49	42	38	35	41	38	35	
8	46	40	35	33	39	35	32	
9	44	37	33	30	36	33	30	
10	42	35	31	28	34	31	28	

Options

- 23 Mercury ballast instead. 250MO standard or see Option -43. Specify voltage.
- 24 HPS ballast instead. 250MO-E28 only standard or see Option -43. Specify voltage.
- 26 Tamper-proof trim. Flush recessed hex screws with center pin secure trim to housing. Continuous ring and four screws secure lens. One key provided per ten fixtures. Also see Option -27.
- 27 Clear 1/4" tempered glass beneath prismatic flat lens, for vandal resistance. Also see Option -26.
- 40 White grooveless flare trim assembly instead.

- 43 Lower wattage - specify voltage and wattage for: Metal Halide: 175MO; Mercury: 175MO; HPS: 150MO.
- 45 Gasket above trim flange (between trim and ceiling).
- 46 Gasket between trim and lens.
- 49 Extra circuit DCB socket. (150 watt max.) Must not be energized simultaneously with main source.
- 58 277 volt 60 Hz. ballast instead.
- 65 Relay and DCB socket. (150 watt max.) With fixture energized, provides immediate light during HID outage. Also see Option -66.
- 66 Time delay relay and DCB socket. (150 watt max.) When energized, provides light until HID reaches 70% output.

- 94 Custom color trim assembly. Consult factory.
- 97 Other voltage ballasts. Consult factory.
- 99 Special modification. Consult factory.
- FR Fresnel tempered lens instead. Concentric prisms.
- FT Flat white trim instead. Standard with UV absorbing tempered prismatic glass or add Option -FR or -HO.
- HO Holophane tempered concave prismatic lens instead.
- LP With lamp. Specify source, wattage, color temperature, and clear or coated (3200°K standard for MH). Consult factory for other color temperatures.
- LS With tungsten halogen standby lamp (150 watt max.) Use only with Options -49, -65 or -66.

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RR51223

WATTAGE

250

LAMP

E/BT/ED-28

HIGH EFFICIENCY METAL HALIDE LIGHTING

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLATION TO N.E.C. IN NORMAL USE. Manufacturer at this option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the offices of manufacturer within three years of original shipment. Liability of manufacturer is limited to the foregoing, and manufacturer shall not be liable for any other damages, direct or indirect, sustained or suffered by purchaser or any person. This warranty is supplied to the buyer in place of all other warranties, expressed or implied. Seller does not warrant as to merchantability or fitness for a particular use, nor will any oral statement constitute a warranty or amend this specific warranty. Abnormal use, abuse of the fixture, improper installation, or repair, or modification of the fixture without prior written authorization from the manufacturer will render the warranty void.