

DATA

SUBMITTAL

VOLTAGE

WATTAGE

TYPE

MODEL

JOB NAME

LOCATION

REGRESSED LENS: MALL / SCHOOL / ATRIUM

Features

Lamp

- 175 watt coated E/ED-17 vertical.
- See Option -43 for optional lower wattage.
- Option -23 for Mercury, Option -24 for HPS.

Socket

- Vertical. Pulse rated medium 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 interlocks with housing.
- UV absorbing tempered low brightness prismatic glass.

Ballast Assembly

- Whisper Pack™ fully encapsulated 180°C rated HPF ballast.
- Premium Class H CWA; 10:10 regulation.
- Capacitor supplied.
- 120 volt standard or see optional voltages.
- Cool, quiet, long-life. Silicone leads.

Fuse

- Fused primary. Renewable. Aids servicing.

Housing

- Seamless, deep-drawn acrylic enameled aluminum.
- Cool: Dissipates heat across entire surface area.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- No visible cylinder hardware. White finish is standard.

Installation

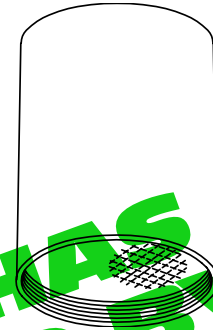
- Center point mounting with snug fit to ceiling.
- Indoor or outdoor for covered ceiling use.
- Mounting beneath surface outlet box available (Option -80).

UL Listing

- Wet, damp or dry locations, covered ceilings (See Option -89).

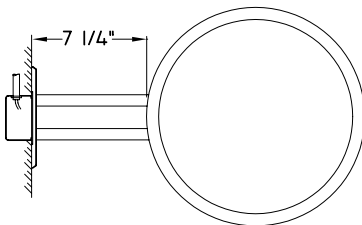
Three Year Limited Warranty

- Complete standard fixture.

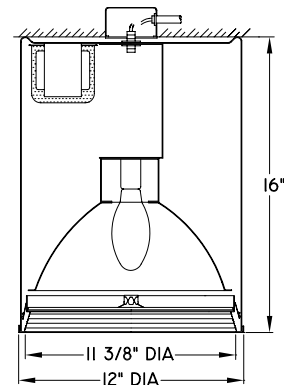


12"

APPROVAL STAMP



PLAN VIEW SHOWN WITH OPTIONAL
WALL-BRACKET (OPTION -WB)



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/ED-17

WATTAGE
175

SR51234

SR51234 SURFACE ROUND: 175 WATT MEDIUM BASE METAL HALIDE

KIRLIN

Performance at a Glance - Installed Fixture

SR51234

Ft.	FC	DIA.
6	457.5	3.7
8	257.3	5.0
10	164.7	6.2
12	114.4	7.5
14	84.0	8.7
16	64.3	10.0

SR51234-FR

Ft.	FC	DIA.
6	221.4	6.3
8	124.5	8.5
10	79.7	10.6
12	55.3	12.7
14	40.7	14.8
16	31.1	16.9

SR51234-HO

Ft.	FC	DIA.
6	314.6	5.3
8	177.0	7.1
10	113.3	8.8
12	78.7	10.6
14	57.8	12.4
16	44.2	14.1

Cone of Light Key

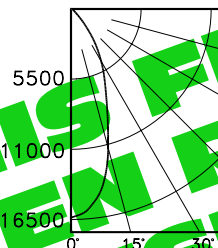
Ft. Distance to surface from fixture (mounting height)
FC. Footcandles
DIA. Diameter (in feet) of the cone of light when the foot candle value is half of that at nadir.
SINGLE END VIEW

Photometric Data - Installed Fixture

SR51234

S/MH 0.6

EFF. = 73.5%



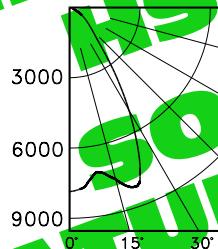
COEFFICIENTS OF UTILIZATION

	0.0	22.5	45.0	67.5	90.0
0	16489	16469	16469	16469	16469
5	16743	15743	15743	15743	15743
10	11167	11167	11167	11167	11167
15	5989	5989	5989	5989	5989
20	2788	2788	2788	2788	2788
25	1229	1229	1229	1229	1229
30	547	547	547	547	547
35	285	285	285	285	285
40	162	162	162	162	162
45	50	50	50	50	50
50	0	0	0	0	0

SR51234-FR

S/MH 1.0

EFF. = 72.2%

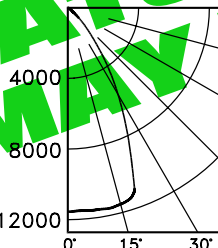


	0.0	22.5	45.0	67.5	90.0
0	7970	7970	7970	7970	7970
5	7809	7809	7809	7809	7809
10	7714	7714	7714	7714	7714
15	7224	7224	7224	7224	7224
20	3331	3331	3331	3331	3331
25	1377	1377	1377	1377	1377
30	759	759	759	759	759
35	448	448	448	448	448
40	230	230	230	230	230
45	49	49	49	49	49
50	0	0	0	0	0

SR51234-HO

S/MH 0.9

EFF. = 74.8%



	0.0	22.5	45.0	67.5	90.0
0	11327	11327	11327	11327	11327
5	11231	11231	11231	11231	11231
10	10910	10910	10910	10910	10910
15	7296	7296	7296	7296	7296
20	3416	3416	3416	3416	3416
25	1115	1115	1115	1115	1115
30	406	406	406	406	406
35	230	230	230	230	230
40	117	117	117	117	117
45	30	30	30	30	30
50	0	0	0	0	0

RF	70	50	30	10	50	30	10
1	83	81	79	77	76	74	73
2	78	74	70	68	71	68	66
3	74	69	65	62	66	63	60
4	70	64	60	56	62	58	55
5	66	60	55	52	58	54	51
6	63	56	52	48	54	51	48
7	60	53	48	45	51	47	45
8	57	50	45	42	49	45	41
9	54	47	43	40	46	42	39
10	52	45	40	38	44	40	37

RF	70	50	30	10	50	30	10
1	81	78	76	74	74	72	71
2	76	71	68	65	68	65	63
3	71	65	61	57	62	59	56
4	67	60	55	52	57	54	51
5	62	55	50	47	53	49	46
6	59	51	46	43	49	45	42
7	55	48	43	39	46	42	39
8	52	44	39	36	43	39	36
9	49	42	37	33	40	36	33
10	47	39	34	31	38	34	31

RF	70	50	30	10	50	30	10
1	84	82	80	78	77	76	75
2	80	76	73	70	72	70	67
3	75	70	66	63	67	64	61
4	71	65	61	57	63	59	56
5	68	61	56	53	59	55	52
6	64	57	52	48	55	51	48
7	61	53	49	45	52	48	45
8	58	50	45	42	49	45	42
9	55	47	43	39	46	42	39
10	52	45	40	37	44	40	37

Options

- 23 Mercury ballast instead. 100ME standard or see Option -43. Specify voltage.
- 24 HPS ballast instead. 100ME standard or see Option -43. Specify voltage.
- 29 White Son ballast instead. For ED-17 medium base lamp. 100 watt standard in 120 volt only. Consult factory for 277 volt.
- 35 Silver enameled housing finish instead.
- 36 Gold enameled housing finish instead.
- 37 Bronze enameled housing finish instead.
- 38 Black enameled housing finish instead.
- 40 White grooveless flare trim assembly instead.
- 43 Lower wattage medium base - specify voltage and wattage for: Metal Halide: 100, 70, 50; Mercury: 75, 50; HPS: 70, 50, 35; White Son: 50.
- 45 Gasket above trim flange (between trim

- 46 and housing).
- 46 Gasket between trim and lens.
- 49 Extra circuit DCB socket. (100W max.) Must not be energized simultaneously with main source.
- 58 277 volt 60 Hz. ballast instead.
- 65 Relay and DCB socket. (100W max.) With fixture energized, provides immediate light during HID outage. Also see Option -66.
- 66 Time delay relay and DCB socket. (100W max.) When energized, provides light until HID reaches 70% output.
- 80 Extension collar with two 1/2" knockouts for mounting luminaire beneath surface outlet box.
- 87 Custom -PM length. Specify up to 5 feet or consult factory. Use with Option -PM.
- 88 Swivel canopy for sloped ceilings up to 45°. Earthquake rated. Use with Option -PM.
- 89 Weather Cap - required when luminaire is

- 94 installed without covered ceiling protection. Custom color trim assembly or housing. Consult factory.
- 97 Other voltage ballasts. Consult factory.
- 99 Special modification. Consult factory.
- FR Fresnel tempered lens instead. Concentric prisms.
- FT Flat white trim with UV absorbing tempered prismatic glass or add Option -FR or -HO.
- HO Holophane concave prismatic tempered 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. (100W max.) Use only with Options -49, -65 or -66.
- PM Pendant mount instead. 3/8" T.S. x 18" standard or see Option -87.
- WB Wall bracket mount instead. 7" arm.

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SR51234

WATTAGE

175

LAMP

E/ED-17

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, INSTALLED TO N.E.C., IN NORMAL USE. Manufacturer at his 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.