

REGRESSED LENS: OFFICE / SCHOOL

Features

Lamp

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

Socket

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

Reflector

- GlasSurfaced™ multi-faceted specular aluminum.

Trim Assembly

- Tapered black OptiGroove with white flange.
- UV absorbing tempered low brightness prismatic flat glass.
- Fresnel tempered lens with concentric prisms available (Option -FR).

Ballast Assembly

- WhisperPack™ fully encapsulated 180°C rated HPF ballast.
- Premium Class H; CWA with 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

- Tempered, rigid, rustproof aluminum: Exceeds 1000 hour ASTM 5% salt spray test.
- Cool: Dissipates heat across entire surface area.
- No visible housing hardware.

Installation

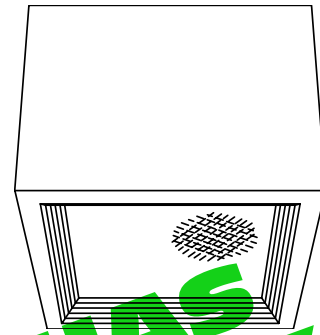
- Center point mounting with snug fit to ceiling.
- Indoor or outdoor for covered ceiling use (See Option -89).
- Mounting beneath surface outlet box available (Option -80).

UL Listing

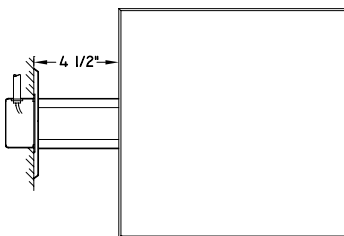
- Wet, damp or dry locations, covered ceilings (See Option -89).

Three Year Limited Warranty

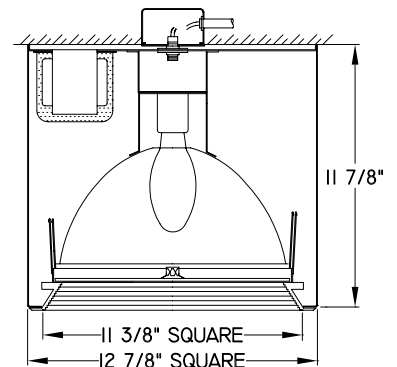
- Complete standard fixture.



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

SS51277

SS51277 SURFACE SQUARE: 175 WATT MEDIUM BASE METAL HALIDE

KIRLIN

Performance at a Glance - Installed Fixture

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 nadir.

SS51277

Ft.	FC	DIA.
6	207.0	5.3
8	116.4	7.1
10	74.5	8.8
12	51.7	10.6
14	38.0	12.4
16	29.1	14.1

SINGLE FIXTURE

Cones of Light

SS51277-FR

Ft.	FC	DIA.
6	221.8	4.7
8	124.8	6.3
10	79.8	7.8
12	55.5	9.4
14	40.7	11.0
16	31.2	12.5

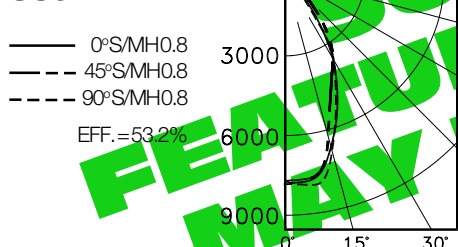
SINGLE FIXTURE

Photometric Data - Installed Fixture

SS51277



SS51277-FR



CANDLE POWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	7451	7451	7451	7451	7451
5	7318	7314	7331	7340	7318
10	6594	6621	6643	6616	6612
15	4617	4094	5345	4886	4511
20	2428	2798	3169	2798	2419
25	980	1192	1448	1161	927
30	388	494	521	450	397
35	194	221	212	212	212
40	97	88	79	93	97
45	0	0	0	0	0
50	0	0	0	0	0
55	0	0	0	0	0
60	0	0	0	0	0
65	0	0	0	0	0
70	0	0	0	0	0
75	0	0	0	0	0
80	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

EFFICIENTS OF UTILIZATION

	20	50	80	10	30	50	70
0	62	60	58	57	56	55	54
5	58	55	52	50	52	50	49
10	54	50	47	45	48	46	44
15	51	46	43	40	45	42	40
20	48	43	39	37	42	39	36
25	46	40	36	34	39	36	33
30	43	37	34	31	36	33	31
35	41	35	31	29	34	31	29
40	39	33	29	27	32	29	27
45	37	31	27	25	30	27	25

Options

- 23 Mercury ballast instead. 100ME standard or see Option -43. Specify voltage.
- 24 HPS ballast instead. 150ME standard or see Option -43. Specify voltage.
- 27 Clear 1/4" tempered glass beneath prismatic flat lens, for vandal resistance.
- 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 and frame finish.
- 36 Gold enameled housing and frame finish.
- 37 Bronze enameled housing and frame finish.
- 38 Black enameled housing and frame finish.
- 40 White grooveless flare trim assembly instead.
- 43 Lower wattage medium base - specify voltage and wattage for: Metal Halide: 150, 100, 70, 50; Mercury: 75, 50;

- 45 Gasket above trim flange (between trim and housing).
- 46 Gasket between trim and lens.
- 49 Extra circuit DCB socket. (100 watt max.) Must not be energized simultaneously with main source.
- 58 277 volt 60 Hz. ballast instead.
- 65 Relay and DCB socket. (100 watt max.) With fixture energized, provides immediate light during HID outage. Also see Option -66.
- 66 Time delay relay and DCB socket. (100 watt max.) When energized, provides light until HID reaches 70% output.
- 80 Extension collar with two-1/2" knockouts (180° apart) for mounting luminaire beneath surface outlet box.
- 87 Custom -PM length. Specify up to 5 feeter 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 installed without covered ceiling protection.
- 94 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.
- LP With lamp. Specify source, wattage, color temperature, and clear or coated (4000°K standard for MH). Consult factory for other color temperatures.
- LS With tungsten halogen standby lamp. (100 watt 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. 4-1/2" arm.

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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 office 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, express or implied, and the buyer does not have the right to demand 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.

SS51277

WATTAGE

175

LAMP

E/ED-17

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METAL HALIDE LIGHTING**