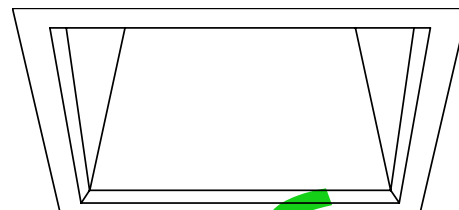


ELLIPSOIDAL DOWNLIGHT: OPEN FIXTURE APPEARANCE

9"



Features

Lamp

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

Socket

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

Reflectors

- Upper: Compound ellipsoidal specular Alzak® aluminum.
- Lower: Low brightness specular Alzak aluminum in cast aluminum white trim frame.

Lens

- UV absorbing tempered Industrix mounted to upper reflector.
- Optional UV absorbing tempered prismatic glass (Option -15).

Ballast Assembly

- WhisperPack™ fully encapsulated 180°C rated HPF ballast.
- Premium Class H high reactance with 5:12 regulation.
- Capacitor and ignitor 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 reflector.

Outlet Box

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

Installation

- 27" galvanized channel bar hangers supplied (2).
- Fully adjustable universal mounting brackets supplied (2).
- Recesses indoor or outdoor in covered locations.
- For wet plaster ceiling see Option -47.

UL Listing

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

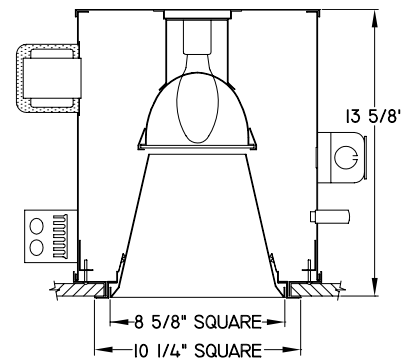
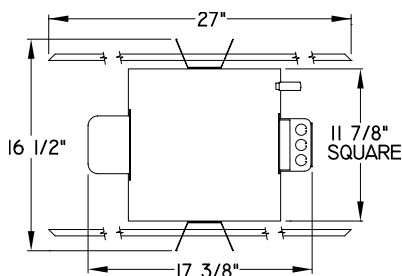
Three Year Limited Warranty

- 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/ED-17

WATTAGE
100

RS50947

RS50947 RECESSED SQUARE: 100 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.

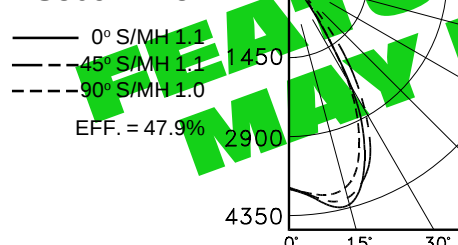
RS50947			Cones of Light			RS50947-15		
Ft.	FC	DIA.	Ft.	FC	DIA.	Ft.	FC	DIA.
6	100.8	6.4	6	107.2	6.2	6	107.2	6.2
8	56.7	8.6	8	60.3	8.3	8	60.3	8.3
10	36.3	10.7	10	38.6	10.4	10	38.6	10.4
12	25.2	12.9	12	26.8	12.4	12	26.8	12.4
14	18.5	15.0	14	19.7	14.5	14	19.7	14.5
16	14.2	17.1	16	15.1	16.6	16	15.1	16.6

Photometric Data - Installed Fixture

RS50947



RS50947-15



CANDELA WEIGHT DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0°	3630	3630	3630	3630	3630
5°	3801	3794	3818	3718	3666
10°	4401	4357	4173	3944	3867
15°	3283	3397	3588	3310	2983
20°	35	1139	1439	1873	1502
25°	45	91	95	201	89
30°	55	12	9	5	7
35°	0	0	0	0	0
40°	0	0	0	0	0
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

	0.0	22.5	45.0	67.5	90.0
0°	3860	3860	3860	3860	3860
5°	3948	3955	3931	3912	3909
10°	4344	4276	4087	3955	3950
15°	25	3247	3353	3502	3259
20°	35	1107	1423	1827	1428
25°	45	104	107	176	103
30°	55	12	11	7	10
35°	65	4	4	3	4
40°	75	1	2	2	1
45°	85	0	1	1	1
50°	90	0	0	0	0

EFFICIENTS OF UTILIZATION

RF	20			
RC	80	50	30	10
RW	70	50	30	10
1	55	53	52	51
2	52	50	48	46
3	50	46	44	43
4	47	44	41	39
5	45	41	38	36
6	43	38	35	33
7	40	36	33	31
8	38	34	31	29
9	37	32	29	27
10	35	30	28	26

RF	20			
RC	80	50	30	10
RW	70	50	30	10
1	54	53	52	51
2	52	50	48	46
3	49	46	44	42
4	47	43	41	39
5	45	41	38	36
6	42	38	35	33
7	40	36	33	31
8	38	34	31	29
9	36	32	29	27
10	35	30	27	26

Options

- 15 UV absorbing tempered prismatic flat glass. Spread distribution.
- 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 277V.
- 35 Silver enameled frame finish instead.
- 36 Gold enameled frame finish instead.
- 37 Bronze enameled frame finish instead.
- 38 Black enameled frame finish instead.

- 43 Lower wattage medium base - specify voltage and wattage for: Metal Halide: 70, 50, 32 ; Mercury: 75, 50; HPS: 70, 50, 35; White Son: 50.
- 45 Gasket above trim flange (between trim and ceiling).
- 47 Plaster frame for wet plaster ceiling.
- 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.
- 94 Custom color lower reflector. Consult factory.
- 97 Other voltage ballasts. Consult factory.
- 99 Special modification. Consult factory.
- 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. (100 watt max.) Use only with Options -49, -65 or -66.

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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. 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.

RS50947

WATTAGE

100

LAMP

E/ED-17

**HIGH EFFICIENCY
METAL HALIDE LIGHTING**