

ELLIPSOIDAL DOWNLIGHT: CHURCH / AUDITORIUM

Features

Lamp

- 400 watt clear E/BT/-37.
- 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.

Reflectors

- Upper: Compound ellipsoidal specular Alzak® aluminum.
- Lower: Low brightness parabolic specular Alzak aluminum, self-flanged.

Lens

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

Ballast Assembly

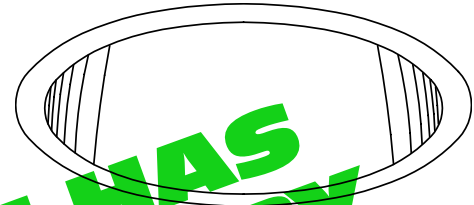
- Whisper Pack™ fully encapsulated 180°C rated HPF ballast.
- Premium Class H CWA; 10:10 regulation.
- Capacitor supplied.
- 120 volt standard or see optional voltages.
- Cool, quiet, long-life. Silicone leads.
- Visible and easily serviced in all ceilings including dry wall.

Fuse

- Fused primary. Renewable. Aids servicing.

Housing

- Acrylic enameled aluminum.



- Cool: Dissipates heat across entire surface area.

- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.

- Entire luminaire serviced through removable reflector.

- 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 hangers 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).

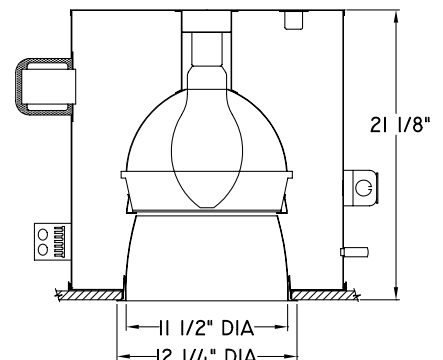
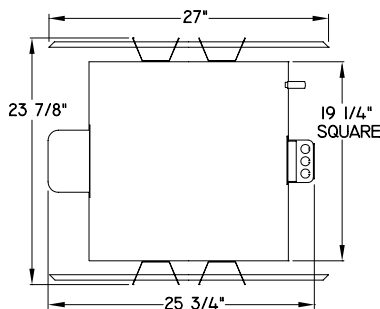
Three Year Limited Warranty

- 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-37

WATTAGE
400

RR51209

RR51209

RECESSED ROUND: 400 WATT MOGUL BASE METAL HALIDE

KIRLIN

Performance at a Glance - Installed Fixture

Cones of Light

RR51209			RR51209-15		
Ft.	FC	DIA.	Ft.	FC	DIA.
6	344.8	7.4	6	366.2	6.5
8	193.9	9.8	8	206.0	8.6
10	124.1	12.3	10	131.8	10.8
12	86.2	14.7	12	91.5	12.9
14	63.3	17.2	14	67.3	15.1
16	48.5	19.7	16	51.5	17.2

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.

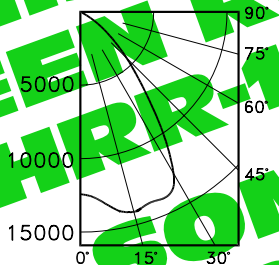
Color Multiplier Guide for Additional Reflectors

- 16 Champagne Gold: CP x .95
 -72 Black anodized Alzak: CP x .67
 -93 Pewter anodized Alzak: CP x .75
 -94 Custom color: CP x .90
 -OG OptiGroove: CP x .72

Photometric Data - Installed Fixture

RR51209

S/MH 1.2
EFF. = 64.9%

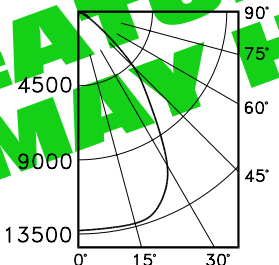


COEFFICIENTS OF UTILIZATION

0.0 22.5 45.0 67.5 90.0						20					
RF	RC	80	50	30	10	RF	RC	80	50	30	10
0	12412	12412	12412	12412	12412	1	74	72	70	69	68
1	13108	13108	13108	13108	13108	2	70	67	64	62	63
2	13935	13935	13935	13935	13935	3	66	62	59	56	57
3	13759	13759	13759	13759	13759	4	63	58	54	51	56
4	9074	9074	9074	9074	9074	5	59	54	50	47	52
5	4348	4348	4348	4348	4348	6	56	50	46	43	48
6	234	234	234	234	234	7	52	46	42	39	45
7	5	5	5	5	5	8	49	43	38	36	41
8	0	0	0	0	0	9	46	39	35	32	38
9	0	0	0	0	0	10	43	36	32	30	36
10	0	0	0	0	0						

RR51209-15

S/MH 1.1
EFF. = 59.0%



Options

- 15 UV absorbing tempered prismatic flat glass. Spread distribution.
- 16 Champagne Gold anodized Alzak® lower reflector, self-flanged. (CP x .95)
- 23 Mercury ballast instead. 400 watt standard or see Option -43. Specify voltage.
- 24 HPS ballast instead. 400 watt standard or see Option -43. Specify voltage.
- 31 White reflector flange.
- 43 Lower wattage mogul base - specify voltage and wattage for: Metal Halide: 250,175; Mercury: 250,175; HPS: 250,150.
- 45 Gasket above reflector flange. Stops dust streaks on ceiling.
- 49 Extra circuit DCB socket. (250 watt max.) Must not be energized simultaneously with main source.
- 58 277 volt 60 Hz. ballast instead.
- 65 Relay and DCB socket. (250 watt max.) With fixture energized, provides immediate light during HID outage. Also see Option -66.
- 66 Time delay relay and DCB socket. (250 watt max.) When energized, provides light until HID reaches 70% output.
- 72 Black anodized Alzak lower reflector, self-flanged. (CP x .67)
- 92 Umber anodized Alzak lower reflector, self-flanged. (CP x .75)
- 93 Pewter anodized Alzak lower reflector, self-flanged. (CP x .90)
- 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 (3700°K standard for MH). Consult factory for other color temperatures.
- LS With tungsten halogen standby lamp. (250 watt max.) Use only with Options -49, -65 or -66.
- OG OptiGroove black seamless tapered aluminum. White trim, self-flanged. (CP x .72)

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RR51209

WATTAGE

400

LAMP

E/BT-37

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