

2 x 2: Retail / Gymnasium / Pool

2 x 2

Features

Lamp

- Designed for:
400 watt coated E/ED/BT-37 horizontal.
- Pole relamp from floor.
- See Option -43 for optional lower wattage.
- Option -23 for Mercury, Option -24 for HPS.

Socket

- Horizontal. Mogul base.
- Automatically positions for pole relamping.
- Glazed porcelain.
- Nickel-plated brass screw shell. Silicone leads.

Reflector Housing

- Full-sized contoured specular aluminum.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Cool: Dissipates heat across entire surface area.

Trim Assembly

- UV absorbing tempered low brightness prismatic flat glass.
- All aluminum door with concealed hinges. Swings open for easy pole relamping and servicing.
- Black extruded aluminum OptiGroove regress available (Option -44).

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.
- Visible and easily serviced (via service panel).

Fuse

- Fused primary. Renewable. Aids servicing.

Service Panel

- Easily accessed through adjoining ceiling panels in inverted "T" ceiling.
- Hinges open for access to WhisperPack™ capacitor, silicone wiring, supply connection, and relay (Options -65 and -66).

- 6' flex and 7' lead wires attached.
- Can be serviced in wet plaster ceiling by lifting and shifting housing.

Installation

- Recesses indoor or outdoor in covered locations.
- Drops into 2' x 2' inverted "T" or ceiling grid.
- In wet plaster, use aluminum installation frame (Option -47).

UL Listing

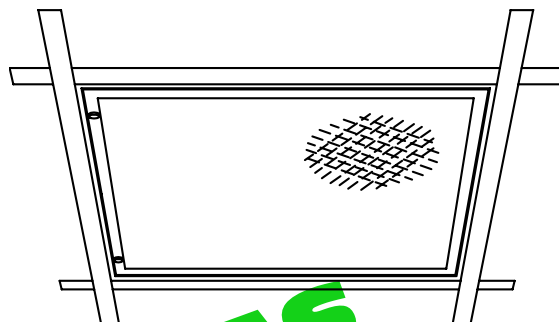
- Wet, damp or dry locations, covered ceilings.

Three Year Limited Warranty

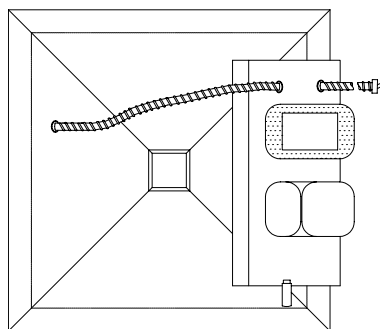
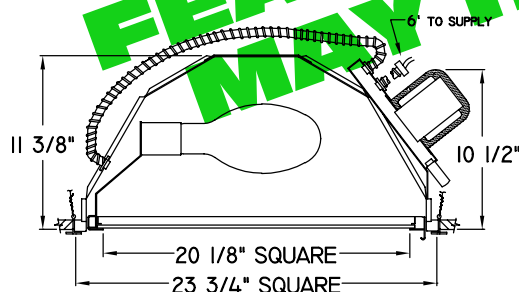
- Complete standard fixture.

Thermal Protection

- Per current NEC.



RS52459



Cone of Light*

Ft.	FC	Dia.
6	255.3	7.7
8	143.6	10.3
10	91.9	12.9
12	63.8	15.4
14	46.9	18.0
16	35.9	20.6

RS52459

Cone of Light Key

Ft. Distance from fixture
FC Footcandles (average)
Dia. Circle of light at 50% of FC

* Dia. (in ft.) shown is where FC value is half the FC at nadir.

THE KIRLIN COMPANY

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

LAMP

WATTAGE

CATALOG NUMBER

HIGH EFFICIENCY
METAL HALIDE LIGHTING

E/ED/BT-37

400

RS52459

THE KIRLIN COMPANY RESERVES THE RIGHT TO CHANGE, WITHOUT NOTICE, DETAILS OR SPECIFICATIONS IN PRODUCT DESIGN.

RS52459

RECESSED SQUARE: 400 WATT MOGUL BASE METAL HALIDE

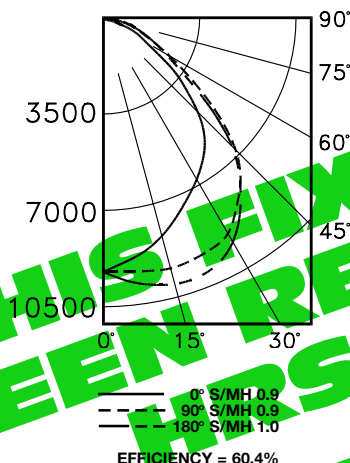
KIRLIN

Detailed Photometry - Installed Fixture

RS52459

CANDLEPOWER DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	9190	9190	9190	9190	9190
5	8918	8982	9210	9420	9520
15	8152	8699	9392	9948	9921
25	7186	8298	9228	10049	9812
35	6310	7213	8535	9082	8754
45	4979	5891	6812	7067	6657
55	2626	3383	3912	4030	3575
65	1441	1842	1906	2134	1970
75	711	894	994	1067	1040
85	109	246	365	356	401
90	0	0	0	0	0



COEFFICIENTS OF UTILIZATION

FC	20					
	80			50		
BC	10	50	30	10	30	10
1	66	64	62	59	60	57
2	61	56	53	50	53	48
3	56	50	46	42	48	41
4	52	45	40	36	43	35
5	48	40	35	32	38	31
6	44	37	31	28	36	27
7	41	33	28	25	32	24
8	38	30	25	22	29	22
9	36	28	23	20	27	20
10	34	26	21	18	25	18

Distribution curve and S/MH data shown above are 90° to lamp axis.

Options

- 23 Mercury ballast instead. 400MO standard or see Option -43. Specify voltage.
- 24 HPS ballast instead. 400MO standard or see Option -43. Specify voltage.
- 43 Lower wattage mogul base- specify voltage and wattage for: Metal Halide: 250, 175; Mercury: 250, 175; HPS: 250, 150.
- 44 Black OptiGroove regress trim.
- 45 Gasket between housing and ceiling.
- 46 Gasket between trim and lens.
- 47 Aluminum installation frame for wet plaster ceiling.
- 49 Extra circuit DCB socket. (250 watt max.) Must not be energized simultaneously with main source.
- 54 5' relamping pole. Opens door and replaces lamp. Also see Option -55.
- 55 4' extension(s) for standard relamp pole (Option -54). Indicate quantity.
- 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.
- 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. (250 watt max.) Use only with Options -49, -65 or -66.

SUBMITTAL DATA

JOB NAME _____

TYPE _____

WATTAGE _____ VOLTAGE _____

CATALOG NUMBER _____

APPROVAL STAMP