

20-1/2"

HIGH EFFICIENCY: GYMNASIUM

Features

Lamp

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

Socket

- Horizontal. Mogul base.
- Glazed porcelain.
- Nickel-plated brass screw shell. Silicone leads.

Reflector

- GlasSurfaced™ multi-faceted specular aluminum.

Trim Assembly

- UV absorbing tempered low brightness prismatic flat glass.
- White rust-free nickel stainless door (304-L) with two captive screws. Slender with concealed hinges for fast relamping.
- Attractively beveled extruded aluminum frame tooled to ensure close fit with door.
- Drop guard with tempered prismatic flat glass available. Protects against thrown objects (Option -DG).

Ballast Assembly

- WhisperPack™ 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

- Tempered, rugged .080" thick aluminum, mig welded and polished.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Cool: Dissipates heat across entire surface area.
- White acrylic enameled finish is standard.

Installation

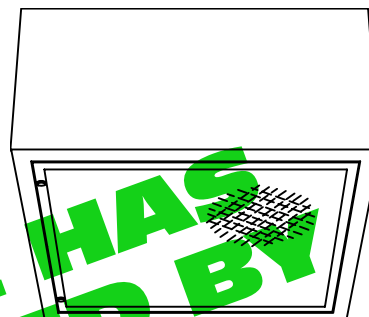
- Center point mounting with snug fit to ceiling or use four knock-outs provided.
- Indoor or outdoor for covered ceiling use (See Option -89).
- Mounting beneath surface outlet box available (Option -80).

UL Listing

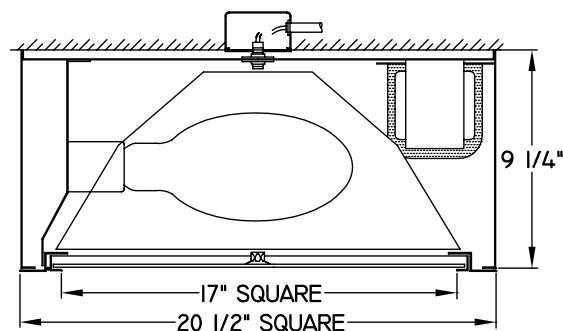
- Wet, damp or dry locations, covered ceilings (See Option -89).

Three Year Limited Warranty

- Complete standard fixture.



APPROVAL STAMP



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 WATTAGE
E/ED/BT-37 400

SS52073

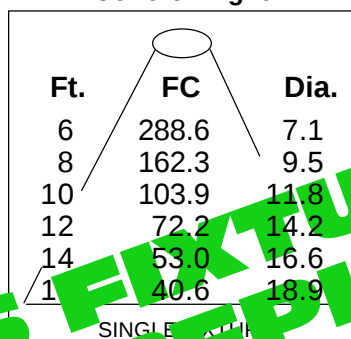
SS52073

SURFACE SQUARE: 400 WATT MOGUL BASE METAL HALIDE

KIRLIN

Performance at a Glance - Installed Fixture

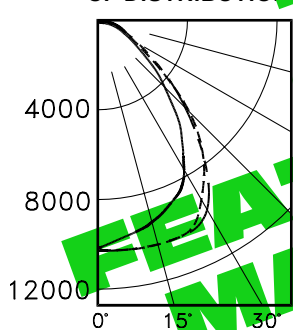
Cone of Light



Cone of Light
Distance to Surface
from fixture
FC, Footcandle
Dia. of beam
at 5' from FC
Dia. (in feet)
where beam
half the diameter.

Photometrics

CP DISTRIBUTION



— 0° S/MH 1.1
--- 90° S/MH 1.3
--- 180° S/MH 1.3

EFFICIENCY = 69.7%

COEFFICIENT OF UTILIZATION					
RW	20				
	70	50	30	10	50
1	77	74	72	69	70
2	71	66	62	59	63
3	66	60	55	51	56
4	61	54	48	44	51
5	57	49	43	39	47
6	53	44	39	35	43
7	49	41	35	31	39
8	46	37	32	28	36
9	43	35	29	26	33
10	41	32	27	24	31

COEFFICIENT OF UTILIZATION					
RW	20				
	70	50	30	10	50
1	77	74	72	69	70
2	71	66	62	59	63
3	66	60	55	51	56
4	61	54	48	44	51
5	57	49	43	39	47
6	53	44	39	35	43
7	49	41	35	31	39
8	46	37	32	28	36
9	43	35	29	26	33
10	41	32	27	24	31

Distribution curve and S/MH data shown 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.
- 26 Tamper-proof recessed hex, center pin, button door screws, with key. One key provided/ten fixtures.
- 35 Silver enameled finish instead.
- 36 Gold enameled finish instead.
- 37 Bronze enameled finish instead.
- 38 Black enameled finish instead.
- 43 Lower wattage mogul base - specify voltage and wattage for: Metal Halide: 250, 175; Mercury: 250, 175; HPS: 250, 150.
- 46 Gasket between trim and lens.

- 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.
- 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 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 installed without covered ceiling protection.
- 94 Custom color frame and housing. Consult factory.
- 97 Other voltage ballasts. Consult factory.
- 99 Special modification. Consult factory.
- DG Drop Guard with prismatic glass; protects against thrown objects. Galvanized steel. White acrylic finish with tempered prismatic flat glass.
- 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.
- PM Pendant mount instead. 3/8" T.S. x 18" standard or see Option -87.

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SS52073

WATTAGE

400

LAMP

E/ED/BT-37

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. 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.