

Halogen Resistance: Natatorium / Gymnasium

Features

Lamp

- Designed for: 400 watt clear E/ED/BT-37 universal.
- RS52463: Pole relamp from floor.
- 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.

Reflector

- RS52062: GlasSurfaced™ multi-faceted specular aluminum.
- RS52463: Full-sized contoured specular aluminum reflector housing.

Trim Assembly

- UV absorbing tempered low brightness prismatic flat glass.
- RS52062: White rust-free nickel stainless door (304) with two captive screws. Concealed hinges. Beveled extruded aluminum frame tooled to ensure close fit with door. White acrylic finish.
- RS52463: 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.

Housing

- Halogen-resistant finish. Will not rust in heavily chlorinated atmosphere. Acrylic enameled aluminum.
- Cool. Dissipates heat across entire surface area.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- RS52062: Entire luminaire serviced through removable trim assembly.

Outlet Box (RS52062)

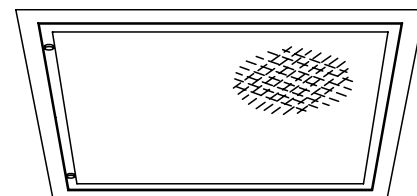
- Prewired 14 GA (NEC) galvanized steel, UL listed. 1/2" and 3/4" knockouts.
- Removable insulated cover.

Service Panel (RS52463)

- 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.

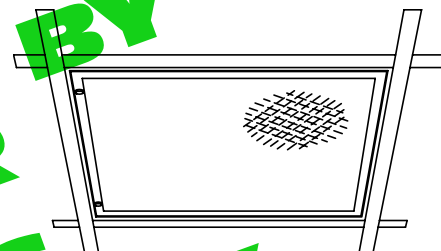
Installation

- In wet plaster, use plaster frame (Option -47).



RS52062

20-1/2"



RS52463

2 x 2

- RS52062: 27" galvanized bar hangers and fully adjustable universal mounting brackets supplied (2 each). Recesses indoor or outdoor in covered locations.
- RS52463: Drops into 2' x 2' inverted "T" or ceiling grid.

UL Listing

- Wet, damp or dry locations, covered ceilings.

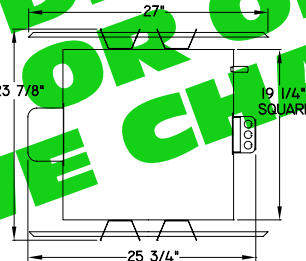
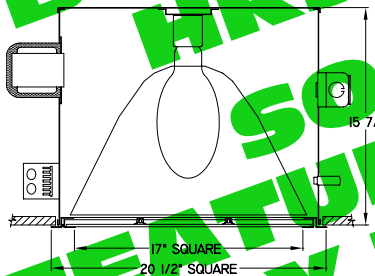
Three Year Limited Warranty

- Complete standard fixture.

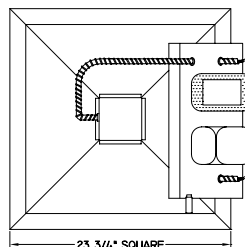
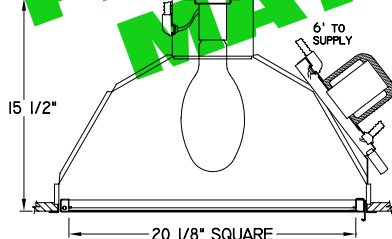
Thermal Protection

- Per current NEC

RS52062



RS52463



Cone of Light*

Ft.	FC	Dia.
6	269.1	7.5
8	151.3	10.0
10	96.9	12.4
12	67.3	14.9
14	49.4	17.4
16	37.8	19.9

RS52062

Cone of Light*

Ft.	FC	Dia.
6	451.2	5.5
8	253.8	7.4
10	162.4	9.2
12	112.8	11.0
14	82.9	12.9
16	63.4	14.7

RS52463

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

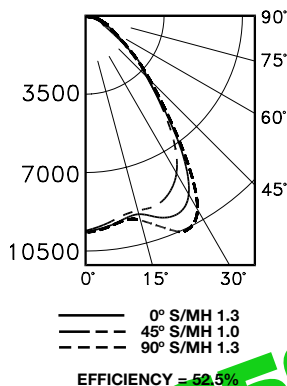
3401 EAST JEFFERSON AVENUE • DETROIT, MICHIGAN 48207-4232
(313) 259-6400 • Fax: (313) 259-9409 OR (313) 259-3121

Detailed Photometry - Installed Fixture

RS52062

CANDLEPOWER DISTRIBUTION

COEFFICIENTS OF UTILIZATION



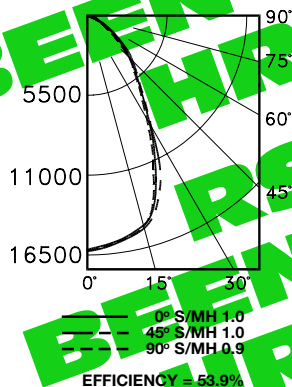
	0.0	22.5	45.0	67.5	90.0
0	9686	9686	9686	9686	9686
5	9553	9558	9529	9519	9515
15	9334	9191	9038	9243	9467
25	9924	9477	8896	9634	10600
35	7781	7410	6981	7576	7515
45	3848	3614	3772	3667	3772
55	1924	1924	1990	1795	1791
65	895	871	952	948	991
75	571	590	567	548	552
	219	205	210	219	210
	0	0	0	0	0

RF	20						
RC	80				50		
RW	70	50	30	10	50	30	10
1	58	56	54	53	53	52	50
2	54	51	48	45	48	46	44
3	50	48	42	39	43	40	38
4	47	41	37	34	39	36	34
5	43	38	34	31	36	33	30
6	41	34	30	27	33	30	27
7	38	32	28	25	30	27	25
8	35	29	25	22	28	25	22
9	33	27	23	21	26	23	20
10	31	25	21	19	24	21	19

RS52463

CANDLEPOWER DISTRIBUTION

COEFFICIENTS OF UTILIZATION



	0.0	22.5	45.0	67.5	90.0
0	16243	16243	16243	16243	16243
5	16065	16061	16057	16053	16049
15	14757	14694	14589	14648	14681
25	11284	11435	11788	11263	10998
35	6753	7047	7336	7022	6770
45	3490	3670	3834	3750	3666
55	1787	1846	1825	1913	1753
65	856	935	994	919	914
75	512	538	562	579	545
85	159	168	180	201	201
95	0	0	0	0	0

RF	20						
RC	80			50			
RW	70	50	30	50	30	10	
1	60	58	56	55	55	53	52
2	56	53	50	47	50	48	46
3	52	48	45	42	46	43	41
4	49	44	40	37	42	39	37
5	46	40	36	33	39	35	33
6	43	37	33	30	36	33	30
7	40	34	31	28	33	30	28
8	38	32	28	26	31	28	25
9	36	30	26	24	29	26	23
10	34	28	24	22	27	24	22

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 (RS52062). One key provided per ten fixtures.
- 35 Silver enameled frame finish instead (RS52062).
- 36 Gold enameled frame finish instead (RS52062).
- 37 Dark Bronze enameled frame finish instead (RS52062).
- 38 Black enameled frame finish instead (RS52062).
- 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 with UV absorbing tempered prismatic flat glass (RS52463).
- 45 Gasket between ceiling and trim or housing.
- 46 Gasket between trim and lens.
- 47 Plaster 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 (RS52463). 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.
- 94 Custom color frame (RS52062). 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.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME _____

TYPE _____

WATTAGE _____ VOLTAGE _____

CATALOG NUMBER _____