

DROP BISYMMETRIC LENS: PARKING GARAGE / SOFFIT

Features

Lamp

- Designed for 175 watt coated ED/BT-28 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

- Drop bisymmetric prismatic Kamax® lens.
- Rust-free polished nickel stainless door (304-L) and captive thumb screw. Slender with concealed hinges for fast relamping.
- Attractively beveled cast aluminum frame tooled to ensure close fit with door.
- Drop asymmetric prismatic Kamax lens available (Option -41).
- UV absorbing tempered prismatic shock-resisting spread Kirlin lens available (Option -11).
- UV absorbing tempered low brightness prismatic flat glass available (Option -15).
- Tamper-proof vandal resistant door screw available (Option -26).
- Drop polycarbonate prismatic lens for use with HPS (Option -42).
- 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 with 10:10 regulation.
- Capacitor (and ignitor for 150 watt or lower) supplied.
- 120 volt standard or see optional voltages.
- Cool, quiet, long-life. Silicone leads.

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 trim assembly.

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

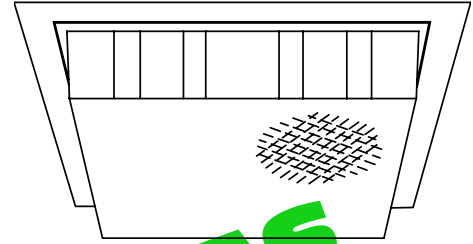
- Wet, damp or dry locations, covered ceilings.

Three Year Limited Warranty

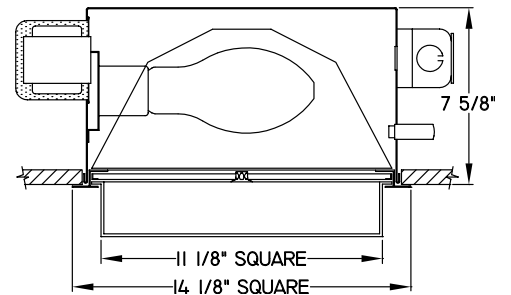
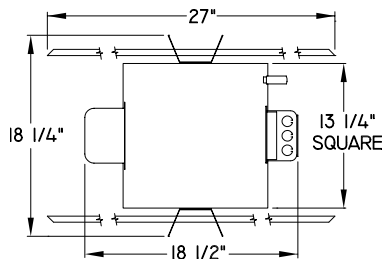
- Complete standard fixture.

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 WATTAGE
E/ED/BT-28 175

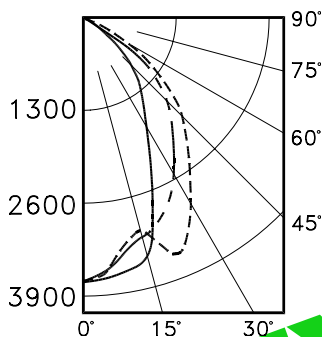
RS51456

RS51456 RECESSED SQUARE: 175 WATT MOGUL BASE METAL HALIDE

KIRLIN

Photometric Data - Installed Fixture

RS51456



CANDLEPOWER DISTRIBUTION

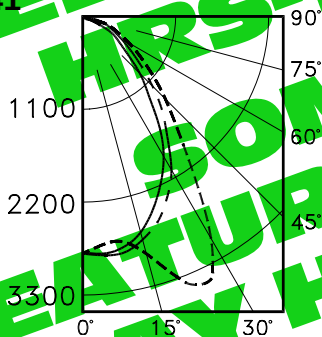
	0.0	22.5	45.0	67.5	90.0
0	3743	3743	3743	3743	3743
5	3728	3722	3600	3617	3597
15	3476	3424	3199	3126	3165
25	2534	2715	2884	3355	3498
35	1492	1748	2295	2803	2737
45	855	1064	1768	2121	2034
55	453	643	1021	1123	1136
65	244	354	464	546	597
75	143	183	217	272	303
85	68	91	106	110	98
90	51	70	82	86	79

COEFFICIENTS OF UTILIZATION

RF	20							
RC	80				50			
RW	70	50	30	10	50	30	10	
1	65	62	60	58	58	56	55	
2	60	56	52	49	52	49	47	
3	55	50	46	42	47	44	41	
4	51	45	40	37	42	39	36	
5	47	41	36	32	39	35	32	
6	44	37	32	29	35	31	28	
7	41	34	29	26	32	28	26	
8	39	31	27	23	30	26	23	
9	36	29	24	21	28	24	21	
10	34	27	22	20	26	22	19	

0° S/MH 0.9
45° S/MH 1.1
90° S/MH 1.2
EFFICIENCY = 59.0%

RS51456-41



	0.0	45.0	90.0	135.0	180.0
0	2847	2847	2847	2847	2847
5	2883	2754	2725	2740	2850
15	2685	2650	2922	2611	2731
25	2234	2742	3513	2727	2361
35	1656	2396	2306	2523	1736
45	992	1672	1360	1834	1126
55	548	915	794	1005	623
65	346	467	448	502	368
75	197	244	235	259	206
85	86	127	92	134	90
90	64	99	79	107	70

RF	8							
RC	50				30			
RW	50	30	10		50	30	10	
1	58	55	53	52	51	50	49	
2	53	49	46	43	46	43	41	
3	49	44	40	37	41	38	36	
4	45	40	35	32	37	34	31	
5	42	36	31	28	34	30	27	
6	39	33	28	25	31	27	24	
7	36	30	25	22	28	25	22	
8	34	27	23	20	26	22	20	
9	32	25	21	18	24	21	18	
10	30	23	19	17	22	19	17	

0° S/MH 1.1
90° S/MH 1.3
180° S/MH 1.1
EFFICIENCY = 53.0%

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

Options

- 11 UV absorbing shock-resisting tempered prismatic spread Kirlin lens instead.
- 15 UV absorbing tempered low brightness prismatic flat glass instead.
- 23 Mercury ballast instead. 175MO standard or see Option -43. Specify voltage.
- 24 HPS ballast instead. 150MO standard or see Option -43. Specify voltage. Also see Option -42.
- 26 Tamper-proof recessed hex, center pin, button door screw with key. One key provided per ten fixtures.
- 27 Clear 1/4" tempered glass beneath prismatic flat lens, for vandal resistance. Also see Option -26.
- 35 Silver enameled frame finish instead.

- 36 Gold enameled frame finish instead.
- 37 Bronze enameled frame finish instead.
- 38 Black enameled frame finish instead.
- 41 Drop asymmetric prismatic polycarbonate lens instead.
- 42 Drop polycarbonate bisymmetric prismatic lens instead for use with Option -24: HPS.
- 43 Lower wattage - specify voltage and wattage for: Metal Halide medium base: 175, 150, 100, 70, 50ME; Mercury mogul base: 100MO; HPS mogul base: 100, 70, 50MO.
- 45 Gasket above trim flange (between trim and ceiling).
- 46 Gasket between trim and lens.
- 47 Galvanized steel 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 frame. Consult factory.
- 97 Other voltage ballasts. Consult factory.
- 99 Special modification. Consult factory.
- DG Drop Guard with tempered prismatic flat glass; protects against thrown objects. Galvanized steel. White acrylic finish.
- 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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RS51456

WATTAGE

175

LAMP

E/ED/BT-28

**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.