

12"

PRISMATIC KIRLIN LENS: UL LISTED WET LOCATIONS

Features

Lamp

- 250 watt clear E/BT/ED-28 vertical.
- 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

- GlasSurfaced™ multi-faceted specular aluminum.

Trim Assembly

- UV absorbing tempered prismatic shock-resisting spread Kirlin lens.
- UV absorbing tempered low brightness prismatic flat glass available (Option -15).
- 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. White acrylic finish.
- Tamper-proof vandal resistant door screw available (Option -26).
- Drop Holophane tempered lens available (Option -DH).

Ballast Assembly

- WhisperPack™ fully encapsulated 180°C rated HPF ballast.
- Premium Class H, CWA 10:9 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 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

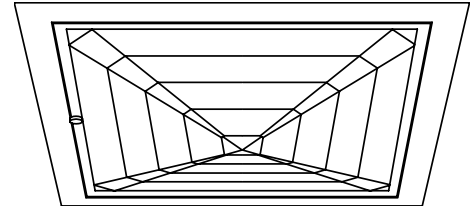
- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12).

Three Year Limited Warranty

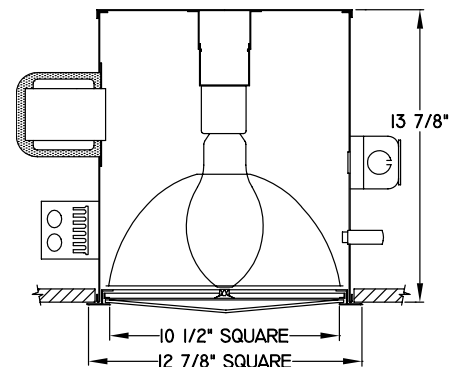
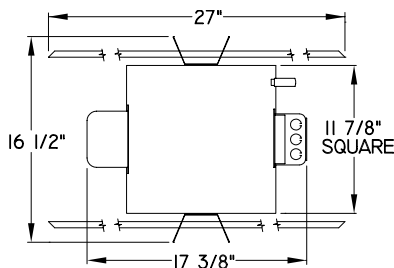
- Complete standard fixture.

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/ED-28

WATTAGE
250

RS51261

RS51261 RECESSED SQUARE: 250 WATT MOGUL BASE METAL HALIDE

KIRLIN

Performance at a Glance - Installed Fixture

RS51261

Ft.	FC	DIA.
6	247.0	4.7
8	139.0	6.2
10	88.9	7.8
12	61.8	9.4
14	45.4	10.9
16	34.7	12.5

RS51261-15

Ft.	FC	DIA.
6	229.3	5.9
8	129.0	7.8
10	82.5	9.8
12	57.3	11.7
14	42.1	13.7
16	32.2	15.6

RS51261-DH

Ft.	FC	DIA.
6	204.3	6.3
8	114.9	8.4
10	73.5	10.5
12	51.1	12.6
14	37.5	14.7
16	28.7	16.8

Cone of Light Key

Ft. Distance to surface from fixture (mounting height)
FC. Footcandles
DIA. Diameter (in feet) of the cone of light with FC value is half the diameter of the fixture

Photometric Data - Installed Fixture

RS51261

— 0° S/MH 0.9
--- 45° S/MH 0.6
--- 90° S/MH 0.8

EFF. = 66.1%

RS51261-15

— 0° S/MH 1.1
--- 45° S/MH 0.9
--- 90° S/MH 0.9

EFF. = 61.1%

RS51261-DH

— 0° S/MH 1.2
--- 45° S/MH 1.0
--- 90° S/MH 0.9

EFF. = 65.9%

CANDLE FOOT CANDLE DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	8893	8893	8893	8893	8893
15	8679	8658	8608	8574	8553
30	7284	7050	6749	6616	6562
45	6064	5463	4903	5204	5279
60	5003	4160	3517	4380	4377
75	3475	2848	2543	3291	2974
90	2138	1742	1842	1880	1863
105	1236	1052	1165	1098	1136
120	493	464	530	468	476
135	92	92	125	100	92
150	17	17	29	17	17

	0.0	22.5	45.0	67.5	90.0
0	8253	8253	8253	8253	8253
15	8386	8361	8236	8127	8069
30	8495	8353	7894	7259	6908
45	6716	6791	6620	5843	5487
60	4060	4356	4690	4184	3617
75	2138	2347	2660	2461	2055
90	1044	140	1291	1236	1094
105	588	586	643	622	610
120	308	317	338	342	342
135	75	96	104	109	100
150	0	0	0	0	0

	0.0	22.5	45.0	67.5	90.0
0	7354	7354	7354	7354	7354
15	7860	7981	8031	8094	8086
30	8913	9639	10683	9564	8879
45	7008	7037	6841	5626	4661
60	4310	4364	3968	3462	3174
75	2239	2055	1976	1930	2172
90	1270	1078	1128	1220	1737
105	777	714	789	823	1061
120	476	522	551	555	551
135	284	317	338	330	276
150	175	209	221	217	192

COEFFICIENTS OF UTILIZATION

RF	RC	80	50	30	10	50	30	10
RW	70	50	30	10	50	30	10	
1	73	70	68	66	66	64	63	
2	67	63	59	55	59	56	54	
3	62	56	51	48	53	49	46	
4	58	50	45	41	48	44	41	
5	53	46	40	37	44	39	36	
6	50	42	36	33	40	36	32	
7	46	38	33	29	37	32	29	
8	44	35	30	27	34	30	26	
9	41	33	28	24	32	27	24	
10	39	30	26	22	29	25	22	

RF	RC	80	50	30	10	50	30	10
RW	70	50	30	10	50	30	10	
1	68	66	64	62	62	60	59	
2	63	59	56	53	56	54	51	
3	59	54	50	47	51	48	45	
4	55	49	45	41	47	43	41	
5	51	45	40	37	43	39	36	
6	48	41	37	33	40	36	33	
7	45	38	34	30	37	33	30	
8	42	35	31	28	34	30	28	
9	40	33	28	26	32	28	25	
10	38	31	26	24	30	26	23	

RF	RC	80	50	30	10	50	30	10
RW	70	50	30	10	50	30	10	
1	72	70	67	65	65	63	62	
2	67	63	59	56	59	56	53	
3	62	57	52	49	53	50	47	
4	58	52	47	43	49	45	42	
5	54	47	42	39	45	41	38	
6	51	44	39	35	42	38	34	
7	48	40	35	32	39	35	32	
8	45	38	33	29	36	32	29	
9	43	35	30	27	34	30	27	
10	40	33	28	25	32	28	25	

Options

- 15 UV absorbing tempered low brightness prismatic flat glass instead.
- 23 Mercury ballast instead. 250MO standard or see Option -43. Specify voltage.
- 24 HPS ballast instead. 250MO/E-28 standard or see Option -43. Specify voltage.
- 26 Tamper-proof recessed hex, center pin, button door screw with key. One key provided per ten fixtures. See also -27.
- 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.
- 43 Lower wattage - specify voltage and wattage for: Metal Halide: 175MO and medium base 175, 150, 100, 70, 50ME; Mercury: 175, 100MO; HPS: 150 (ED-28) MO.
- 45 Gasket above trim flange (between trim and ceiling).
- 46 Gasket between trim and lens.
- 47 Aluminum installation frame for wet plaster ceiling.
- 49 Extra circuit DCB socket. (150W max.) Must not be energized simultaneously with main source.
- 58 277 volt 60 Hz. ballast instead.
- 65 Relay and DCB socket. (150W max.) With fixture energized, provides immediate light during HID outage. Also see Option -66.

- 66 Time delay relay and DCB socket. (150W 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 prismatic glass; protects against thrown objects. Galvanized steel. White acrylic finish with tempered flat prismatic glass.
- DH Drop Holophane tempered lens instead.
- LP With lamp. Specify source, wattage, color temperature, and clear or coated (3700°K standard for 250MH). Consult factory for other color temperatures.
- LS With tungsten halogen standby lamp. (150W max.) Use only with Options -49, -65 or -66.

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RS51261

WATTAGE

250

LAMP

E/BT/ED-28

HIGH EFFICIENCY
METAL HALIDE LIGHTING

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTIED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLED TO N.E.C. IN NORMAL USE. Manufacturer at his 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.