

DATA

SUBMITTAL

VOLTAGE

WATTAGE

TYPE

MODEL

JOB NAME

LOCATION

PRISMATIC KIRLIN LENS: SMALL SIZE - GREAT EFFICIENCY

Features

Lamp

- 175 watt clear E/ED-17 vertical.
- See Option -43 for optional lower wattage.
- Option -23 for Mercury, Option -24 for HPS.

Socket

- Vertical. Medium 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.
- Drop Holophane tempered lens available (Option -DH).
- 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, rigid, rustproof aluminum: Exceeds 1000 hour ASTM 5% salt spray test.
- Cool: Dissipates heat across entire surface area.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- No visible housing hardware.
- White acrylic enameled finish is standard.

Installation

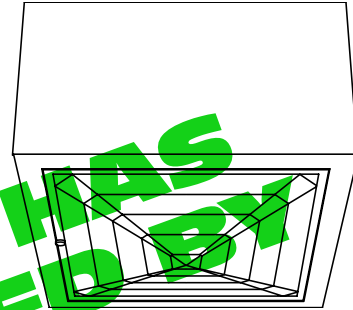
- Center point mounting with snug fit to ceiling.
- Indoor or outdoor for covered ceiling use (See Option -89)
- Mounting beneath surface outlet box available (Option -80).

UL Listing

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

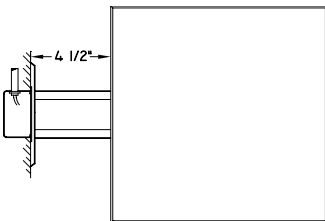
Three Year Limited Warranty

- Complete standard fixture.

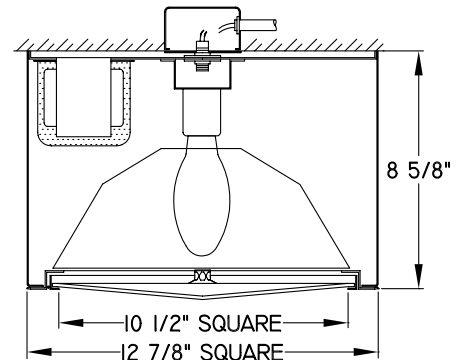


12"

APPROVAL STAMP



PLAN VIEW SHOWN WITH OPTIONAL
WALL-BRACKET (OPTION -WB)



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/ED-17

WATTAGE
175

SS51271

SS51271 SURFACE SQUARE: 175 WATT MEDIUM BASE METAL HALIDE

Performance at a Glance - Installed Fixture

SS51271

Ft.	FC	DIA.
6	153.8	6.0
8	86.5	7.9
10	55.3	9.9
12	38.4	11.9
14	28.2	13.9
16	21.6	15.9

SS51271-15

Ft.	FC	DIA.
6	187.4	6.1
8	105.4	8.1
10	67.5	10.2
12	46.9	12.2
14	34.4	14.2
16	26.4	16.2

SS51271-DH

Ft.	FC	DIA.
6	227.8	4.4
8	128.1	5.8
10	82.0	7.3
12	56.9	8.8
14	41.8	10.2
16	32.0	11.7

Cone of Light Key

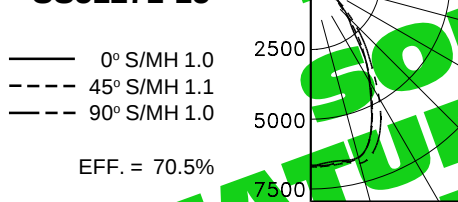
Ft. Distance to surface from fixture (finishing height)
FC Footcandles
DIA. Diameter (in feet) of circle of light when FC is half the surface area

Photometric Data - Installed Fixture

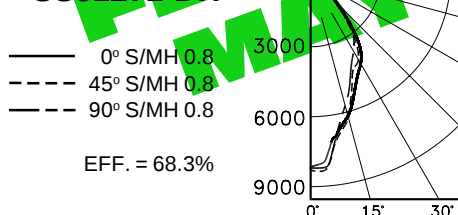
SS51271



SS51271-15



SS51271-DH



CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0° S/MH 1.0	5535	5535	5535	5535	5535
45° S/MH 1.0	5500	5531	5517	5522	5526
90° S/MH 1.1	5014	5080	5147	5204	5235
EFF. = 71.8%	4043	4189	4242	4392	4467
	3169	3249	3369	3297	3513
	2551	2503	2176	2370	2737
	1916	1655	1399	1523	1739
	1033	940	834	909	1024
	450	424	387	437	441
	88	97	102	102	88
	9	22	22	26	18

	0.0	22.5	45.0	67.5	90.0
0° S/MH 1.0	6748	6748	6748	6748	6748
45° S/MH 1.1	6683	6709	6674	6678	6665
90° S/MH 1.0	6709	6700	6594	6559	6568
EFF. = 70.5%	5076	5526	5937	5447	5147
	3452	3633	3809	3597	3363
	1916	2114	2105	2017	1836
	903	975	962	1055	847
	468	481	481	512	397
	256	252	274	243	238
	71	93	97	97	71
	0	0	0	0	0

	0.0	22.5	45.0	67.5	90.0
0° S/MH 0.8	8199	8199	8199	8199	8199
45° S/MH 0.8	7759	7861	8130	8219	8174
90° S/MH 0.8	6179	6069	5760	6219	6329
EFF. = 68.3%	4555	4370	4259	4379	4440
	3681	3518	3377	3416	3513
	1580	1615	1607	1739	1774
	821	861	883	887	883
	574	614	627	605	574
	371	424	433	419	371
	238	256	274	260	230
	150	177	190	177	150

COEFFICIENTS OF UTILIZATION

RF	RC	80	50	30	10	50	30	10
1	78	76	73	71	71	69	66	66
2	73	67	63	59	64	60	57	57
3	67	60	55	51	57	53	49	49
4	62	54	48	44	51	47	43	43
5	57	49	43	39	47	42	38	38
6	53	44	39	34	43	38	34	34
7	50	41	35	31	39	34	30	30
8	47	37	32	28	36	31	28	28
9	44	35	29	25	33	29	25	25
10	41	32	27	23	31	26	23	23

RF	RC	80	50	30	10	50	30	10
1	78	76	74	71	71	70	68	68
2	73	69	65	62	65	62	60	60
3	68	62	58	54	59	56	53	53
4	64	57	52	48	54	50	47	47
5	59	52	47	43	50	46	42	42
6	56	48	43	39	46	42	38	38
7	52	44	39	35	43	38	35	35
8	49	41	36	32	40	35	32	32
9	46	38	33	30	37	33	29	29
10	44	36	31	27	35	30	27	27

RF	RC	80	50	30	10	50	30	10
1	75	72	70	67	67	65	64	64
2	70	65	61	57	61	58	55	55
3	65	59	54	50	55	52	49	49
4	60	53	48	44	50	46	43	43
5	56	49	44	40	46	42	39	39
6	53	45	40	36	43	38	35	35
7	49	41	36	33	40	35	32	32
8	47	38	33	30	37	33	30	30
9	44	36	31	28	35	30	27	27
10	42	34	29	26	32	28	25	25

Options

- 15 UV absorbing tempered low brightness prismatic flat glass instead.
- 23 Mercury ballast instead. 100ME standard or see Option -43. Specify voltage.
- 24 HPS ballast instead. 150ME 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.
- 29 White Son ballast instead. For ED-17 medium base lamp. 100 watt standard in 120 volt only. Consult factory for 277 volt.
- 35 Silver enameled housing and frame finish.
- 36 Gold enameled housing and frame finish.
- 37 Bronze enameled housing and frame finish.

- 38 Black enameled housing and frame finish.
- 43 Lower wattage medium base - specify voltage and wattage for: Metal Halide: 150, 100, 70, 50; Mercury: 75, 50; HPS: 100, 70, 50, 35; White Son: 50.
- 46 Gasket between trim and lens.
- 49 Extra circuit DCB socket. (100W max.) Must not be energized simultaneously with main source.
- 58 277 volt 60 Hz. ballast instead.
- 65 Relay and DCB socket. (100W max.) With fixture energized, provides immediate light during HID outage. Also see Option -66.
- 66 Time delay relay and DCB socket. (100W 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 flat prismatic glass.
- DH Drop Holophane tempered lens instead.
- LP With lamp. Specify source, wattage, color temperature, and clear or coated (4000°K standard for 175MH). Consult factory for other color temperatures.
- LS With tungsten halogen standby lamp. (100W max.) Use only with Options -49, -65 or -66.
- PM Pendant mount instead. 3/8" T.S. x 18" standard or see Option -87.
- WB Wall bracket mount instead. 4-1/2" arm.

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SS51271

WATTAGE

175

LAMP

E/ED-17

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, 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.