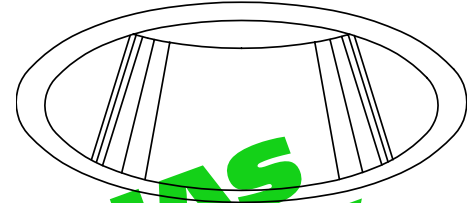


ELLIPSOIDAL DOWNLIGHT: HIGH EFFICIENCY



Features

Lamp

- 100 watt clear ED-17.
- See Option -43 for optional lower wattage.
- Option -23 for Mercury, Option -24 for HPS.

Socket

- Vertical. Medium base. Pulse rated.
- Glazed porcelain.
- Nickel-plated brass screw shell. Silicone leads.

Reflectors

- Upper: Compound ellipsoidal specular Alzak® aluminum.
- Lower: Low brightness parabolic specular Alzak aluminum, self-flanged.

Lens

- UV absorbing tempered Industrix mounted to upper reflector.
- Optional UV absorbing tempered prismatic glass (Option -15).

Ballast Assembly

- Whisper Pack™ fully encapsulated 180°C rated HPF ballast.
- Premium Class H high reactance with 5:12 regulation.
- Capacitor and ignitor 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 reflector.
- Built-in plaster frame.

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.

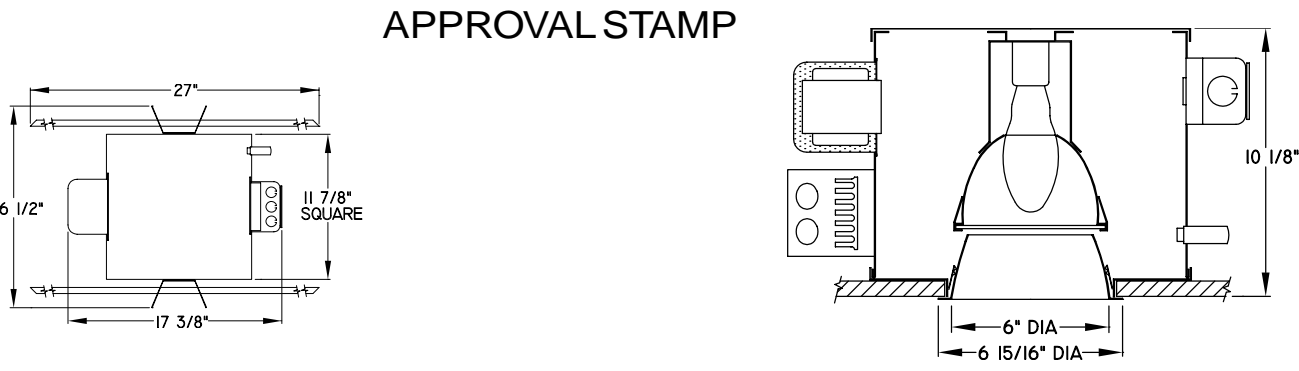
Thermal Protection

- Per current NEC.

VOLTAGE
WATTAGE
TYPE
MODEL

DATA

SUBMITTAL



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
100

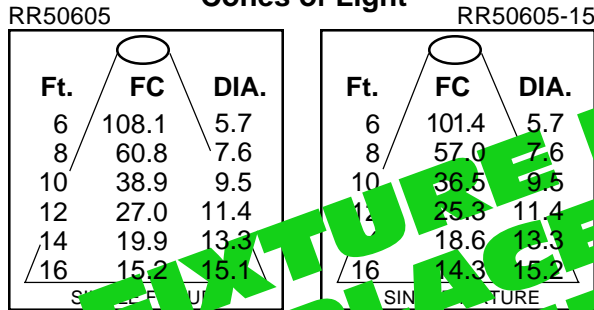
RR50605

JOB NAME
LOCATION

RR50605 RECESSED ROUND: 100 WATT MEDIUM BASE METAL HALIDE

Performance at a Glance - Installed Fixture

Cones of Light



Cone of Light Key
Ft. Distance to surface from fixture (mounting height)
FC. Footcandles
DIA. Diameter (in feet) of the circle of light when FC value is half the FC at nadir.

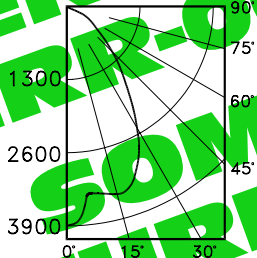
Color Multiplier Guide for Optional Reflectors

- 91 White: CP x .95
- 92 Black: CP x .67
- 92 Umber: CP x .75
- 93 Pewter: CP x .90
- OG OptiGroove: CP x .72

Photometric Data

RR50605

S/MH 1.0
EFF. = 67.8%



CANDLER DISTRIBUTION

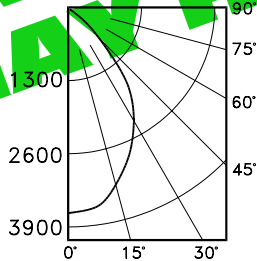
	0.0	22.5	45.0	67.5	90.0
0	3891	3891	3891	3891	3891
5	3601	3601	3601	3601	3601
15	3257	3257	3257	3257	3257
25	2835	2835	2835	2835	2835
35	2090	2090	2090	2090	2090
45	1022	1022	1022	1022	1022
55	243	243	243	243	243
65	2	2	2	2	2
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

RW	80						50		
	70	50	30	10	50	30	10		
1	77	75	73	72	71	70	68		
2	73	70	67	65	67	65	63		
3	69	65	62	59	62	60	58		
4	66	61	57	54	58	56	53		
5	62	56	52	49	55	51	49		
6	59	53	48	45	51	48	45		
7	55	49	44	41	47	44	41		
8	52	45	41	38	44	40	38		
9	49	42	37	34	41	37	34		
10	46	39	34	31	38	34	31		

RR50605-15

S/MH 1.0
EFF. = 58.8%



	0.0	22.5	45.0	67.5	90.0
0	3650	3650	3650	3650	3650
5	3573	3573	3573	3573	3573
15	3237	3237	3237	3237	3237
25	2675	2675	2675	2675	2675
35	1769	1769	1769	1769	1769
45	682	682	682	682	682
55	124	124	124	124	124
65	4	4	4	4	4
75	2	2	2	2	2
85	2	2	2	2	2
90	0	0	0	0	0

RW	80						50		
	70	50	30	10	50	30	10		
1	67	65	64	63	62	61	60		
2	64	61	59	57	58	57	55		
3	61	57	55	52	55	53	51		
4	58	54	51	48	52	49	48		
5	55	50	47	45	49	46	44		
6	52	47	44	41	46	43	41		
7	49	44	41	38	43	40	38		
8	47	41	38	35	40	37	35		
9	44	38	35	32	38	34	32		
10	42	36	32	30	35	32	30		

Options

- 15 UV absorbing tempered prismatic flat glass. Spread distribution.
- 16 Champagne Gold anodized Alzak® lower reflector, self-flanged. (CP x .95)
- 23 Mercury ballast instead. 100ME standard or see Option -43. Specify voltage.
- 24 HPS ballast instead. 100ME standard or see Option -43. Specify voltage.
- 29 White Son ballast instead. For ED-17 medium base lamp. 100 watt standard in 120 volt only. Consult factory for 277 volt.
- 31 White reflector flange.
- 43 Lower wattage medium base - specify voltage and wattage for: Metal Halide: 70, 50, 32 (GE Halarc™ electronic ballast); Mercury: 75, 50; HPS: 70, 50, 35; White Son: 50.
- 45 Gasket above reflector flange. Stops dust streaks on 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.
- 72 Black anodized Alzak lower reflector, self-flanged. (CP x .67)
- 82 Sloped ceiling adapter, white. Specify 5°, 10°, 15°, 20°, 25°, 30° slope. Mounting hardware included.
- 92 Umber anodized Alzak lower reflector, self-flanged. (CP x .75)
- 93 Pewter anodized Alzak lower reflector, self-flanged. (CP x .90)
- 94 Custom color lower reflector. 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 (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.
- OG OptiGroove black seamless tapered aluminum. White trim, self-flanged. (CP x .72)

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RR50605

WATTAGE

100

LAMP

E/ED-17

HIGH EFFICIENCY METAL HALIDE LIGHTING

LIMITED WARRANTY: CATALOGUED KIRLIN FIXTURES ARE WARRANTIED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLLED 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 authorization from the manufacturer will render the warranty void.