

OPEN DOWNLIGHT: OFFICE/RETAIL

Features

Lamp

- 70 watt coated ED-17 open fixture.
- See Option -43 for optional lower wattage.
- Option -23 for Mercury, Option -24 for HPS.

Socket

- Vertical. Pulse rated extended body for open fixture medium base lamps.
- Glazed porcelain.
- Nickel-plated brass screw shell. Silicone leads.

Reflector

- Self-flanged specular Alzak® aluminum.
- Compound curved.

Ballast Assembly

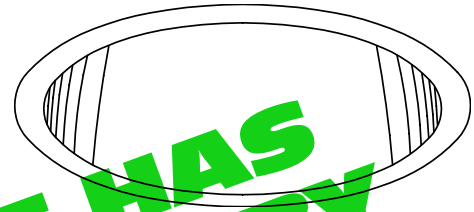
- Whisper Pack™ fully encapsulated 180°C rated HPF ballast.
- Premium Class H high reactance with 5:7 regulation.
- Capacitor and ignitor supplied.
- 120 volt standard or see optional voltages.
- Cool, quiet, long-life. Silicone leads.
- Visible and easily serviced in all ceilings including dry wall.

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, C-UL (Canada) Listings

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

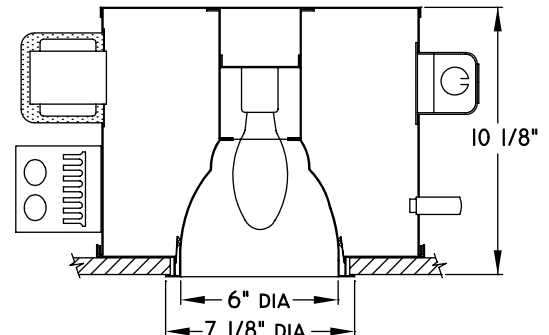
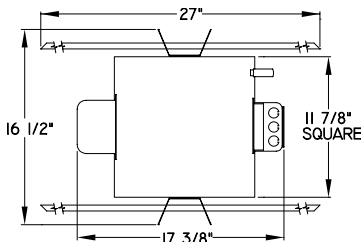
Three Year Limited Warranty

- 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
ED-17

WATTAGE
70

RR50601

RR50601 RECESSED ROUND: 70 WATT MEDIUM BASE METAL HALIDE

KIRLIN

Performance at a Glance - Installed Fixture

Cone of Light

Ft.	FC	Dia.
6	118.2	5.6
8	66.5	7.5
10	42.5	9.4
12	29.5	11.3
14	21.7	13.2
16	16.6	15.0

SINGLE FIXTURE

Cone of Light Key

- Ft. Mounting height
- FC. Footcandles (average)
- Dia. Circle of light at 50% of Ft.

Dia. (in ft.) shown where value is half of Ft. value

RR50601:

*LER = 31.6

*AEC = \$7.60

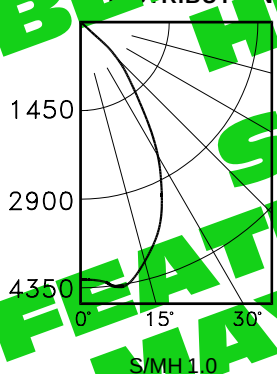
*LER = Luminaire Efficiency Rating

LER = $\frac{\text{Luminaire Effic.} \times \text{Total Lamp Lumens} \times \text{Ballast Factor}}{\text{Input Watts}}$

*AEC = Annual Energy Cost per 1000 lumens (based on 3000 hours use @ \$0.08 KWH).

Data and Photometric Details of Installed Fixture FROM I.T.L. (BOULDER, CO) TEST NUMBER 38184

Beam Distribution



EFFICIENCY = 61.6%

Candlepower Distribution

	0.0	45.0	90.0	135.0	180.0
0	4254	4254	4254	4254	4254
5	4270	4270	4270	4270	4270
10	3953	3953	3953	3953	3953
15	3080	3080	3080	3080	3080
20	1832	1832	1832	1832	1832
25	796	796	796	796	796
30	239	239	239	239	239
35	12	12	12	12	12
40	4	4	4	4	4
45	0	0	0	0	0
50	0	0	0	0	0

Efficiency Coefficients

RF	50	30	10	50	30	10
1	70	68	66	65	64	63
2	66	62	60	57	59	56
3	62	58	54	52	55	50
4	58	53	50	47	51	48
5	59	49	45	43	48	42
6	52	46	42	39	44	39
7	49	43	39	36	42	36
8	46	40	36	33	39	33
9	44	36	33	31	36	31
10	42	35	31	29	34	29

Estimated Multipliers

- 16 Champagne Gold Alzak®: CP x .90
- 92 Umber Alzak: CP x .75
- 93 Pewter Alzak: CP x .90

Options

- 16 Champagne Gold anodized Alzak reflector. (CP x .90)
- 23 Mercury ballast instead. 75 watt standard or see Option -43. Specify voltage.
- 24 HPS ballast instead. 70 watt standard or see Option -43. Specify voltage.
- 29 White Son ballast instead. For ED-17 medium base lamp. 50 watt standard in 120 volt only. Consult factory for 277 volt.
- 31 White reflector trim, self-flanged.
- 32 Trim extender. Broadens trim flange O.D. by 1" to cover larger ceiling opening.
- 43 Lower wattage medium base - specify voltage and wattage for: Metal Halide: 50,

- 35; Mercury: 50; HPS: 50, 35.
- 45 Gasket above reflector flange. Stops dust streaks on ceiling.
- 58 277 volt 60 Hz. ballast instead.
- 82 Sloped ceiling adapter. Specify slope up to 30° in 5° increments.
- 92 Umber anodized Alzak self-flanged reflector. (CP x .75)
- 93 Pewter anodized Alzak self-flanged reflector. (CP x .90)

- 94 Custom color self-flanged 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.

Note: If outer envelope (glass bulb) of lamp is broken or punctured, power to the lamp should be immediately turned off and people should vacate the area to avoid ultraviolet radiation exposure, according to the lamp manufacturers.

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RR50601

WATTAGE

70

LAMP

ED-17

**HIGH EFFICIENCY
METAL HALIDE LIGHTING**

Alzak® is a registered trademark of ALCOA.

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 office 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 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 modification of the fixture without prior written authorization from the manufacturer will void the warranty void.

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