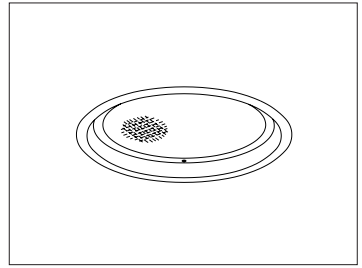


CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

7" 1 ED17 150 WATT MAXIMUM

VRR-07046

Vandal Resistant Small Aperture Pulse Start Metal Halide



Specifications

Lamp

- Designed for pulse start metal halide lamp: 150W medium base ED17.
- See Option -43 for lower wattages.

Socket

- Medium base. Pulse rated.
- Glazed porcelain. Silicone leads.

Reflector

- Specular ellipsoidal Alzak® aluminum.

Trim / Lens Assembly

- Vandal resistant smooth white seamless tapered aluminum self-flanged trim or see Option -CG.
- Flush center pin tamperproof hex screws and captive nuts secure trim to housing.
- Lens: UV absorbing tempered prismatic C#73 above 3/16" clear tempered glass.
- Continuous ring secures lens to trim.
- Tamperproof tool included.

Ballast Assembly: Specify Voltage

- WhisperPack™ fully encapsulated 180°C rated HPF pulse start ballast.
- Class H, high reactance for 120 volt and Options -65, -66; linear reactor for 277 volt.
- Capacitor and ignitor supplied.

- Dimming (-39) and electronic (-96) ballasts available. See Options.
- Cool, quiet, long-life. Silicone leads.
- Visible and easily serviced in all ceilings.

Fuse

- Fused primary. Renewable. Aids servicing.

Aluminum Housing

- Acrylic enameled. Rustproof. Exceeds 1000 hour ASTM 5% salt spray test.
- Lightweight. Minimizes ceiling load.
- Cool operation. Extends component life.
- Entire luminaire serviced through aperture.
- Built-in plaster frame.

Outlet Box

- Prewired 14 GA (NEC) galvanized steel, UL listed. 1/2" and 3/4" knockouts.

Installation

- 27" galvanized hanger bars with adjustable mounting brackets (2) supplied.
- Recesses indoor or outdoor in covered locations.

UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings.
- Through-branch conductors (6#12 AWG 90°C).

Three Year Limited Warranty

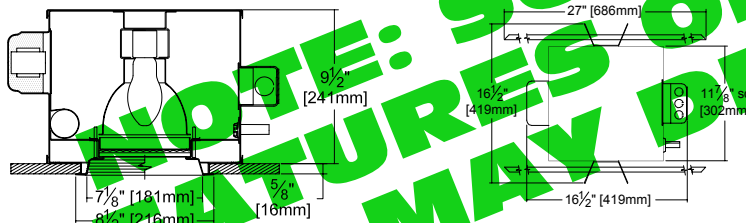
- Complete standard fixture and ballast.

Thermal Protection

- Per current NEC.

Performance at a Glance

VRR-07046



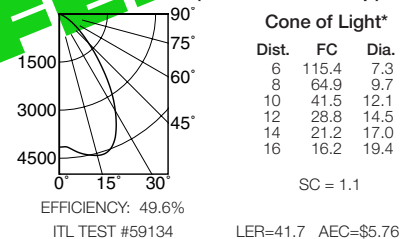
Ceiling Cut-out
8" Dia.

Cone of Light Key

- Ft. Distance from fixture
- FC Footcandles at nadir (0°)
- Dia. Circle of light at 50% of FC

* Dia. (in ft.) shown is where FC value is half the FC at nadir.

VRR-07046 (150W Clear Lamp)



THE KIRLIN COMPANY

3401 EAST JEFFERSON AVENUE • DETROIT, MICHIGAN 48207-4232
 (313) 259-6400 • Fax: (313) 259-9409 OR (313) 259-3121 • www.kirlinlighting.com

ENERGY EFFICIENT VANDAL RESISTANT
& MAXIMUM SECURITY LIGHTING

MAXIMUM WATTAGE

ED17 150

CATALOG NUMBER

VRR-07046

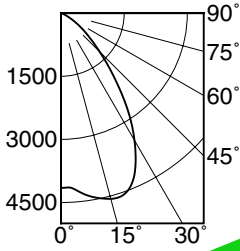
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

Photometry from I.T.L., Boulder, CO

VRR-07046 (ED17 150 Clear Lamp)



SC = 1.1

EFFICIENCY : 49.6%

CANDLEPOWER DISTRIBUTION table with columns for beam angles (0.0, 22.5, 45.0, 67.5, 90.0) and rows for beam diameters (0, 5, 15, 25, 35, 45, 55, 65, 75, 85, 90).

COEFFICIENTS OF UTILIZATION table with columns for mounting heights (70, 80, 90) and rows for beam diameters (1, 2, 3, 4, 5, 6, 7, 8, 9, 10).

ITL TEST #59184 *LER=41.7 •AEC=\$5.76

LER = Luminaire Efficacy (lm/Watt) = (lm/Watt) x Ballast Factor (Based on 3000 hours use @ \$0.08 KWH)

THIS FIXTURE IS NO LONGER AVAILABLE FOR AN ALTERNATE PLEASE SEE VRR-08047

Options

Sources and Ballasts

- 24 HPS ballast instead. Specify wattage and voltage.
-39 Electronic dimming ballast instead, for pulse start metal halide. Consult factory for wattage and voltage availability.
-96 Regulating electronic MH ballast instead.

Wattage and Voltage

- 43 Lower wattage: 50-125 pulses, 35-100 HPS. Specify voltage.
-120 120 volt, 60 Hz. ballast.
-277 277 volt, 60 Hz. ballast.
-347 347 volt, 60 Hz. ballast. Consult factory for dimming or electronic.
-97 Other voltage ballast instead. Consult factory.

Relays, Standbys, Lamps

- 49 Extra circuit DCB socket. 100W max. Do not energize simultaneously with main source. Also see Option -LS.
-65 Electronic standby system and DCB socket. 100W max. Provides immediate light until HID restrikes. Also see Options -66 and -LS.
-66 Electronic time delay standby system and DCB socket. 100W max. Provides light until HID reaches 70% output. Also see -LS.
-LP With lamp. Specify source, wattage, color temperature, and clear or coated. (3700°K standard for metal halide)
-LS With T-4 DCB tungsten halogen standby lamp. 100W max. Use only with -49, -65, -66.

Lenses and Trims

- 32 White oversize trim ring. Specify O.D.
-45 Gasket between trim and ceiling.
-46 Gasket between trim and lens.
-94 Custom color trim assembly. Consult factory.
-FR Fresnel tempered lens instead.
-OG Black OptiGroove flare trim instead. (CP x .95)

Other

- 79 Extension collar for up to 2" thick ceilings.
-99 Special modification. Consult factory.
-TA Top access for servicing from above.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME
TYPE
WATTAGE VOLTAGE
CATALOG NUMBER

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALL ED TO N.E.C. IN NORMAL USE. Manufacturer of the fixture 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 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.