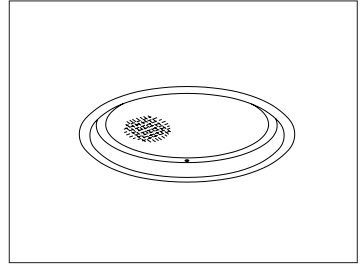


CATALOG #	TYPE
JOB NAME	WATTAGE VOLTAGE

8" 1 ED17 175 WATT MAXIMUM

VRR-08048

Vandal Resistant Efficient 8" Pulse Start Metal Halide



Specifications

Lamp

- Designed for pulse start metal halide lamp: 175W 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 -OG.
- Flush center pin tamperproof hex screws and captive nuts secure trim to housing.
- Lens: UV absorbing tempered prismatic C#73 above 1/4" clear tempered glass.
- Continuous ring secures lens to trim.
- Tamperproof tool included.

Ballast Assembly: Specify Voltage

- WhisperPack™ fully encapsulated 180°C rated HPP pulse start ballast.

- 50-150 watt: Class H, high reactance for 120 volt and Options -65, -66; linear reactor for 277 volt.
- 175 watt: Super CWA for 120 volt and Options -65, -66, -HL; Class H, linear reactor for 277 volt.
- See Option -PR for conventional probe start.
- 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

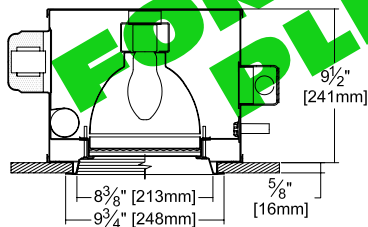
- Complete standard fixture and ballast.

Thermal Protection

- Per current NEC.

Performance at a Glance

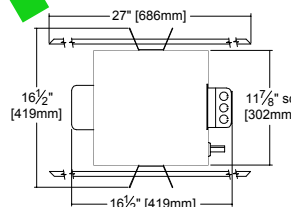
VRR-08048



Cone of Light Key

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

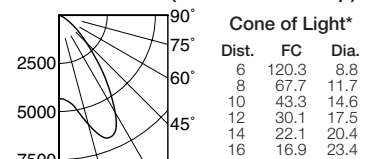
* Dia. (in ft.) shown is where FC value is half the FC at nadir.



Ceiling Cut-out
9" Dia.

Extraordinary
Energy
Efficiency

VRR-08048 (175W Clear Lamp)



SC = 1.3



EFFICIENCY: 60.3%

ITL TEST #59133

LER=54.3 AEC=\$4.42

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 175

CATALOG NUMBER

VRR-08048

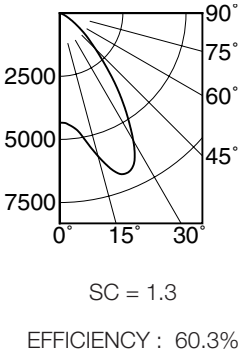
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

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

VRR-08048 (ED17 175 Clear Lamp)



CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	4332	4332	4332	4332	4332
5	4451	4451	4451	4451	4451
15	5863	5863	5863	5863	5863
25	6775	6775	6775	6775	6775
35	4408	4408	4408	4408	4408
45	1997	1997	1997	1997	1997
55	811	811	811	811	811
65	261	261	261	261	261
75	41	41	41	41	41
85	4	4	4	4	4
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION							
RF	20						
RC	80						
RW	70	50	30	10	50	30	10
1	68	66	64	62	62	61	59
2	63	60	57	54	57	54	53
3	59	55	51	48	52	49	47
4	55	50	46	43	48	44	42
5	52	46	41	38	44	40	36
6	48	42	37	34	40	37	34
7	45	39	34	31	37	34	31
8	43	36	31	28	35	31	28
9	40	33	29	26	32	28	26
10	38	31	27	24	30	26	24

ITL TEST #69133 • LER=54.3 • AEC=\$4.42

• Luminaire Efficiency Rating

LER = Luminaire Effic. x Total Lamp Interior Surface Area ÷ Input Power (watts)

• Annual Energy Cost per 1000 lumens (Based on 3000 hours use @ \$0.08 KWH).

Options

Sources and Ballasts

- 24 HPS ballast instead. Specify wattage, voltage.
- 39 Electronic dimming ballast instead, for pulse start metal halide. Consult factory for wattage and voltage availability.
- 96 Regulating electronic MH ballast instead. Consult factory for availability in 175W.
- PR Conventional probe start CWA 175W metal halide ballast instead. Specify voltage.

Wattage and Voltage

- 43 Lower wattage: 50-150 pulse, 35-150 HPS. Specify voltage.
- 120 120 volt, 60 Hz. ballast.
- 277 277 volt, 60 Hz. ballast.

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.
- HL Hi-Lo wiring modification. For use with external relay systems. 175 watt. CWA ballast only. Specify system.
- 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.
- 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 TO N.E.C. IN NORMAL USE. Manufacturer at the 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 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.