

Recessed Lensed E-Lamp
"Pulse Start" Dimmable
150 to 400 Watt

1" 400W

HRR-11068

THIS PRODUCT IS NO LONGER AVAILABLE

Please consult QUOTATIONS

for the best alternative.

Features

Lamp

- Designed for mogul base metal halide E-lamps. See chart below for standard and optional wattages.
- See Option -43 and chart below for lower wattage for HPS availability.

Socket

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

Reflector

- Specular Alzak® aluminum.

Trim Assembly

- Seamless tapered black OptiGroove with white flange. See flanged trim.
- UV absorbing tempered prismatic or flat glass lens.
- Optional films and lenses available.

Ballast Assembly: Electronic Voltage

- Alzak® Pass™ fully encapsulated 100°C ballast. Pulse start by last.
- 150 watt: Class H, high reactance for 120 volt and Options -65, -66; linear reactor for 277 volt.
- 175-400 watt: Super CWA for 120 volt and Options -65, -66, -HL; Class H, linear reactor for 277 volt.
- Capacitor and ignitor supplied.
- Dimming (-39) and electronic 95% ballast available. See Options.
- Cool, quiet, long-life. Silicone leads. Multiple energy sources in ceiling grid.
- UL, C-UL (Canada) listings.
- Fused primary. Renewable. Not for 480 volt.

Housing

- Clear 1/4" tempered glass beneath tempered prismatic flat glass lens for vandal resistance.
- Trim extender. Broadens trim flange O.D. by 1" to cover larger ceiling opening.
- White grooveless flare trim assembly instead.
- Gasket between trim and ceiling.
- Gasket between trim and lens.

- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Entire luminaire serviced through removable trim assembly.
- Built-in plaster frame.

Outlet Box

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

Installation

- 27" galvanized hanger bars 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
- Standard fixture, including ballast.
- UL, C-UL (Canada) listings.
- Per current NEC

Wattage Availability and Cut-Out Dimensions

Catalog No.	Lamp/Base	Standard Wattage		Option -43: Lower Wattage		Max. Standby Wattage (-49-65-66-LS)	Ceiling Cut-Out Diameter
		Pulse MH	-24 (HPS)	Pulse MH	-24 (HPS)		
HRR-11068	ED-28/Mog	400	250	150-320	150	150	12.25"

Options

Sources and Ballasts

- 24 HPS ballast instead. See wattage chart above for available wattages. Specify 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.

Wattage and Voltage

- 43 Lower wattage: See Option -43 chart above for available lower wattages. 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 (See Chart)

- 49 Extra circuit DCB socket. Do not energize simultaneously with main source. Also see -LS.

- 65 Electronic standby system and DCB socket. Following HID outage, provides immediate light until HID restrikes. Also see -66 and -LS.
- 66 Electronic time delay standby system and DCB socket. Following outage, provides light until HID reaches 70% output. Also see Option -LS.
- HL Hi-Lo wiring modification for use with external relay systems (by others). 175 watt or above. 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. Use only with Options -49, -65 or -66.

Lenses and Trims

- 27 Clear 1/4" tempered glass beneath tempered prismatic flat glass lens for vandal resistance.
- 32 Trim extender. Broadens trim flange O.D. by 1" to cover larger ceiling opening.
- 40 White grooveless flare trim assembly instead.
- 45 Gasket between trim and ceiling.
- 46 Gasket between trim and lens.

- 94 Custom color trim assembly. Consult factory.
- FR Fresnel tempered lens instead.
- FT Flat white trim instead. Standard with UV absorbing tempered prismatic glass or specify optional lens.
- HO Holophane concave lens instead.
- ML UV absorbing tempered Microlux glass instead.

Mounting Options

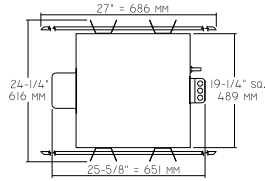
- 79 Extension collar for up to 2" thick ceilings.

Other Options

- 99 Special modification. Consult factory.
- TA Top access modification for servicing from above ceiling.

HRR-11068

Plan View



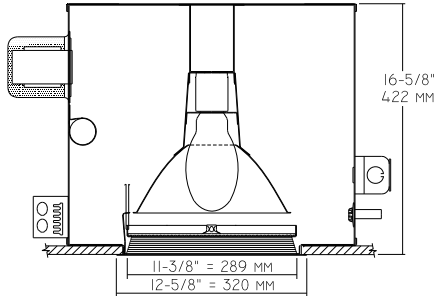
Cone of Light Key

- Ft.** Distance from fixture
- FC** Footcandles (average)
- Dia.** Circle of light at 50% of FC
- * Dia. (in ft.) shown is where FC value is half the FC at nadir.

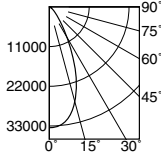
C.U. (Coefficients of Utilization)
Tables are available on request.
Please contact your Kirlin representative.

LIMITED WARRANTY: CATALOGUED 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, at no charge, any fixture or part thereof which is found to be defective in workmanship or material, provided that the purchaser or user (or their representative) has not purchased and installed the fixture at the office of manufacturer, three years from date of shipment. Liability of manufacturer is limited to the original purchaser of the fixture. This warranty is void where prohibited by law or where it conflicts with any other warranty, 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.

HRR-11068 400W



HRR-11068 (Clear Lamp)



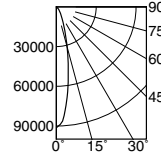
S/MH 0.7
EFFIC: 56.6%
ITL TEST #51672
***LER = 51.7 *AEC = \$4.65**

Cone of Light*

Ft.	FC	Dia.
10	334.8	7.7
15	148.8	11.5
20	83.7	15.4
25	53.6	19.2
30	37.2	23.1
35	27.3	26.9

	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	33477	33477	33477	33477	33477
5	33009	33009	33009	33009	33009
15	27177	27177	27177	27177	27177
25	15342	15342	15342	15342	15342
35	5852	5852	5852	5852	5852
45	2265	2265	2265	2265	2265
55	981	981	981	981	981
65	549	549	549	549	549
75	244	244	244	244	244
85	0	0	0	0	0
90	0	0	0	0	0

HRR-11068-ML (Clear Lamp)



S/MH 0.4
EFFIC: 59.7%
ITL TEST #51665
***LER = 54.5 *AEC = \$4.40**

Cone of Light*

Ft.	FC	Dia.
10	913.5	3.8
15	406.0	5.7
20	228.4	7.6
25	146.2	9.5
30	101.5	11.4
35	74.6	13.3

	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	91350	91350	91350	91350	91350
5	77643	77643	77643	77643	77643
15	31249	31249	31249	31249	31249
25	10830	10830	10830	10830	10830
35	4625	4625	4625	4625	4625
45	1960	1960	1960	1960	1960
55	761	761	761	761	761
65	395	395	395	395	395
75	183	183	183	183	183
85	0	0	0	0	0
90	0	0	0	0	0

* LER (Luminaire Efficacy Rating) = Luminaire Effic. x Total Lamp Lumens x Ballast Factor / Input Watts

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

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER