

Recessed Lensed E-Lamp
Horizontal Downlight
150 to 400 Watt



13" 400W

HRR-13074

THIS PRODUCT IS NO LONGER AVAILABLE

Features

Lamp

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

Socket

- Horizontal. Pulse rated. Glazed porcelain.
- Nickel-plated brass screw shell. Silicone leads.

Reflector

- Specular Alzak® aluminum.

Trim Assembly

- Seamless tapered black OptiGroove® trim flange and white trim.
- UV absorbing tempered prism for brightness C#73 flat glass lens.
- Optical trims and lenses available.

Ballast Assembly

- WhisperPack™ fully encapsulated 130°C rated HPF pulse start ballast.

PLEASE CONSULT

OUR LISTING

FOR THE BEST ALTERNATIVE.

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- 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**
- Meets all applicable standard fixture, including ballast.
- **Thermal Protection**
- 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-13074	ED-37/Mog	400	400	150-320	150-250	250	15.0"

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). 175W 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

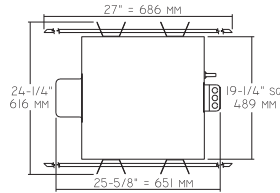
- 32 Trim extender. Broadens trim flange O.D. by 1" to cover larger ceiling opening.
- 40 White grooveless flare trim assembly instead.
- 45 Gasket between trim and ceiling.
- 46 Gasket between trim and lens.
- 94 Custom color trim assembly. Consult factory.

Other Options

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

HRR-13074

Plan View



Cone of Light Key

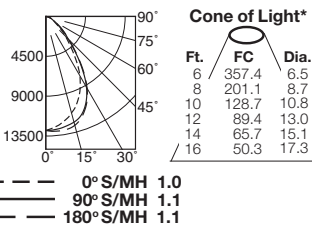
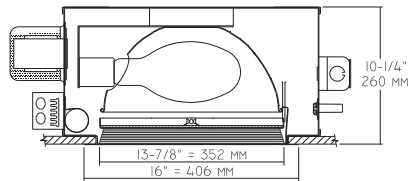
- Ft.** Distance from fixture
- FC** Footcandles (average)
- Dia.** Circle of light at 50% of FC
- * Dia. (in ft.) shown is where FC value is half the FC at nadir.

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

LIMITED WARRANTY: CATALOGED 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 that is found to be defective in workmanship or material. This warranty is void if the fixture is found to be defective in workmanship or material after three years from date of purchase. This warranty is void if the fixture is found to be defective in workmanship or material after three years from date of purchase. This warranty is void if the fixture is found to be defective in workmanship or material after three years from date of purchase. This warranty is void if the fixture is found to be defective in workmanship or material after three years from date of purchase.

HRR-13074 400W

HRR-13074 (Coated Lamp)



EFFIC: 51.2%

ITL TEST #51651

***LER = 40.1 *AEC = \$5.98**

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	12868	12868	12868	12868	12868
5	12502	12610	12802	12977	13001
15	11270	11620	12352	12802	12719
25	9189	9780	10763	11112	10920
35	5960	6509	7183	7358	7358
45	3146	3329	3596	3746	3795
55	1449	1615	1865	1764	1698
65	800	800	807	874	932
75	350	383	424	416	400
85	0	9	0	9	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

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER

APPROVAL STAMP