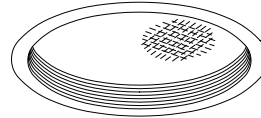


Recessed Lensed E-Lamp "Pulse Start" Concrete Pour Vandal Resistant Downlight: 50 to 150 Watt



8" 150W **HRV-08079**

Features

Lamp

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

Socket

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

Reflector

- Specular Alzak® aluminum.

Trim Assembly

- Tamper-resistant, seamless tapered black OptiGroove with self-flanged white trim.
- Flush, tamperproof hex screws with center pin secure trim to captive nuts in housing.
- Lens combines 1/4" clear tempered glass below C#73 for added tamper resistance

- Optional lenses and white trim available.
- Ballast Assembly: Specify Voltage**
- Core and coil 180°C rated HFP pulse start ballast.
- 50-150 watt: Glass H, high reactance for 120 volt and Options -65, -66; linear reactor for 277 volt.
- Capacitor and igniter supplied.
- Dimming (-39) and electronic (-96) ballasts available. See Options.
- Cool, quiet, long-life. Silicone leads.
- Visible and easily serviced.
- Fuse**
- Fused primary. Renewable. Not for 480 volt.
- Housing**
- 16 GA, galvalnealed steel; red oxide rustproof primer coat with black enamel finish.

- Fully gasketed.
- Entire luminaire serviced through removable trim assembly.
- 2" bottom flange promotes concrete flow.

Outlet Box

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

Installation

- Recesses indoor or outdoor in poured concrete ceilings.
- UL, C-UL (Canada) Listings**
- For use in poured concrete.
- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12).

Three Year Limited Warranty

- Complete 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)
		Pulse MH	-24 (HPS)	Pulse MH	-24 (HPS)	
HRV-08079	ED-17/Med	150	150	50-125	35-100	100

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 in 175W or above.

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.
- 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

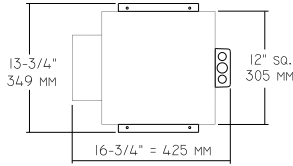
- 32 Trim extender. Broadens trim flange O.D. by 1" to cover larger ceiling opening.
- 40 White grooveless flare trim assembly instead.
- 45 Gasket between trim and ceiling
- 46 Gasket between trim and lens.
- 94 Custom color trim assembly. Consult factory.
- FR Fresnel tempered lens instead.
- HO Holophane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

Other Options

- 99 Special modification. Consult factory.

HRV-08079

Plan View



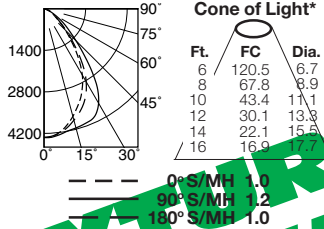
Cone of Light Key

- 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.

HRV-08079 150W

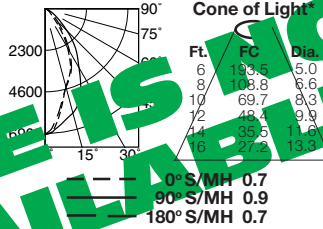
HRV-08079 (Coated Lamp)



EFFIC: 55.3%
ITL TEST #51631
LER = 34.3 AEC = \$7.04

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	4338	4338	4338	4338	4338
5	4278	4256	4313	4292	4271
15	3755	3906	4157	4025	3888
25	3027	3402	4014	3603	3294
35	2010	2475	3060	2606	2244
45	1007	1227	1531	1292	1080
55	458	594	728	614	488
65	251	257	261	269	264
75	66	77	89	74	57
85	0	0	0	0	0
90	0	0	0	0	0

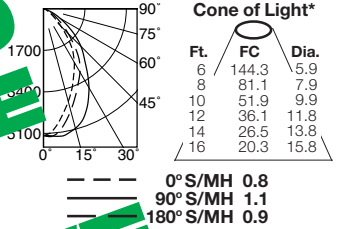
HRV-08079-FR (Coated Lamp)



EFFIC: 60.9%
ITL TEST #51632
LER = 37.5 AEC = \$6.40

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	6966	6966	6966	6966	6966
5	6521	6367	6680	6494	6278
15	4476	5147	5976	5271	4502
25	3318	4005	4685	4074	3468
35	1710	2307	3104	2576	1977
45	573	1342	1727	1346	971
55	303	573	762	623	447
65	144	240	306	287	186
75	50	72	81	72	57
85	0	0	0	0	0
90	0	0	0	0	0

HRV-08079-HO (Coated Lamp)



EFFIC: 63.8%
ITL TEST #51633
LER = 39.3 AEC = \$6.10

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	5193	5193	5193	5193	5193
5	4944	5016	5237	5265	5192
15	3927	4442	5063	4857	4314
25	2945	3552	4301	3893	3371
35	2087	2486	3119	2727	2555
45	1020	1488	2174	1784	1437
55	387	770	1200	956	677
65	161	330	492	401	267
75	54	69	81	72	54
85	0	0	0	0	0
90	0	0	0	0	0

THIS FIXTURE IS NO LONGER AVAILABLE FOR AN ALTERNATIVE PLEASE SEE VRR-10052

NOTE: SOME DESIGN FEATURES OR OPTIONS MAY DIFFER

* 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

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 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 or suffered by the purchaser or any other person. This warranty is applicable to the fixture only, and does not include the lamp, ballast, or other accessories. The manufacturer's warranty does not extend to the fixture, lamp, ballast, or other accessories if they are not installed, used, or maintained in accordance with the instructions provided in the manual furnished with the fixture. This warranty is void if the fixture is not installed, used, or maintained in accordance with the instructions provided in the manual furnished with the fixture. © Kirlin Lighting, Inc. 2005