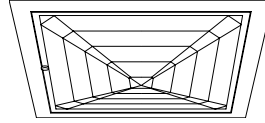


Recessed Lensed E-Lamp "Pulse Start" Concrete Pour Downlight: 50 to 100 Watt



11" 100W HRS-11182

Features

Lamp

- Designed for medium base metal halide ED-17 lamps. See chart for standard and optional 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

- GlasSurfaced™ multi-faceted specular aluminum.

Trim Assembly

- UV absorbing tempered prismatic shock resisting spread Kirlin lens.
- Rustfree polished nickel stainless door (304-L) and captive thumb screw. Concealed hinges.
- Fully gasketed.

- Optional trims and lenses available.

Ballast Assembly: Specify Voltage

- Core and coil 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.

Housing

- 16 GA. galvanized steel; red oxide rustproof primer coat; black enamel finish.

- Fully gasketed.
- Entire luminaire serviced through removable trim assembly.

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.
- Through-branch circuit conductors (6 #12).

Three Year Limited Warranty

- Complete standard fixture, including ballast.

Thermal Protection - Recessed Only

- 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
		Pulse MH	-24 (HPS)	Pulse MH	-24 (HPS)		
HRS-11182	ED-17/Med	100	100	50-70	35-70	100	12.25" Sq.

Options

Sources and Ballasts

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

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.
- 97 Other voltage ballast. 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

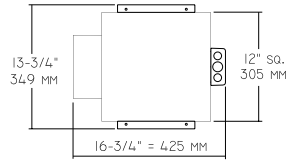
- 15 Prismatic C#73 flat glass lens instead.
- 26 Tamperproof trim. One key per ten fixtures. Also see Option -27.
- 27 Clear 1/4" tempered glass beneath tempered prismatic C#73 flat glass lens for vandal resistance. Also see Option -26.
- 45 Gasket between trim and ceiling.
- 46 Gasket between trim and lens.
- DG Drop Guard with tempered flat prismatic glass. Galvanized steel. White acrylic finish.
- DH Drop Holophane tempered lens instead.

Other Options

- 99 Special modification. Consult factory.

HRS-11182

Plan View

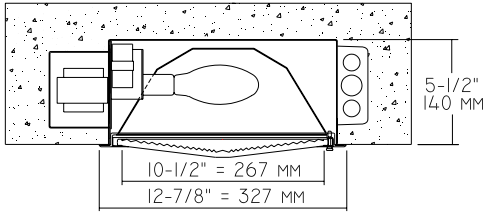


Cone of Light Key

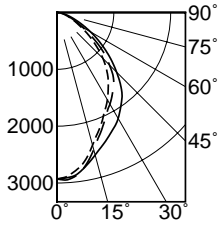
- Ft. Distance from fixture
- FC Footcandles (average)
- Dia. Circle of light at 50% of FC
- * Dia. (in ft.) shown is where FC value is half the FC at nadir.

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

HRS-11182 100W



HRS-11182 (Coated Lamp)



- 0° S/MH 0.9
- 90° S/MH 1.1
- 180° S/MH 1.0

Cone of Light*

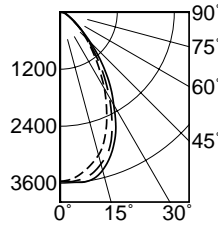
Ft.	FC	Dia.
6	81.4	5.9
8	45.8	7.9
10	29.3	9.8
12	20.3	11.8
14	14.9	13.8
16	11.4	15.7

EFFIC: 67.7%

ITL TEST #51616
*LER = 38.4 •AEC = \$6.25

	CANDLEPOWER DISTRIBUTION				
	0.0	45.0	90.0	135.0	180.0
0	2929	2929	2929	2929	2929
5	2850	2865	2901	2933	2928
15	2417	2474	2595	2572	2498
25	1958	1935	2295	2055	2032
35	1573	1457	2969	1578	1708
45	1144	1006	1483	1111	1306
55	659	608	931	686	758
65	317	329	467	365	348
75	138	143	192	154	138
85	35	37	43	38	34
90	12	9	10	8	9

HRS-11182-15 (Coated Lamp)



- 0° S/MH 0.9
- 90° S/MH 1.0
- 180° S/MH 1.0

Cone of Light*

Ft.	FC	Dia.
6	99.0	6.1
8	55.7	8.1
10	35.6	10.1
12	24.8	12.2
14	18.2	14.2
16	13.9	16.2

EFFIC: 65.5%

ITL TEST #51614
*LER = 37.1 •AEC = \$6.46

	CANDLEPOWER DISTRIBUTION				
	0.0	45.0	90.0	135.0	180.0
0	3564	3564	3564	3564	3564
5	3496	3528	3593	3599	3565
15	3113	3320	3443	3522	3308
25	2312	2662	2764	2883	2580
35	1411	1722	1793	1860	1576
45	762	903	896	929	821
55	371	414	410	421	373
65	173	199	210	205	173
75	111	129	122	127	110
85	38	48	36	47	35
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

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 such fixture or refund the purchase price of such fixture. This warranty is void if the fixture is used in an application not intended by the manufacturer. Buyer 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 to 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.