

Recessed Lensed
E-Lamp Downlight:
50 to 100 Watt



8" 100W

HRS-08178

THIS PRODUCT IS NO LONGER AVAILABLE

Features

Lamp

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

Socket

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

Reflector

- GlasSurf™ multi-faceted reflector aluminum.

Trim Assembly

- Tapered black OptiGroove with serranged white trim.
- UV absorbing prismatic lens for brightness C#73 flat glass lens.
- Optional trims and lenses available.

Ballast Assembly - Special Voltage

- Unit includes fully integrated HPF pulse start ballast.
- 50-100 watt: Class H, high reactance for 120 volt and Options -65, -66; linear reactor for 277 volt.

- Capacitor and ignitor supplied.

- Dimming (-3%) and electronic ballasts available. See Options.

- Cool, quiet, long-life. Silicone leads.
- Visible and easily serviced in all ceilings.

- Free Fusurima® Fluorescent, Vapor, or LED ballast.

Housing

- Aluminum die-cast. Identical to standard housing.
- Wet, damp or dry locations, covered ceilings.
- 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

- Complete fixture, including ballast.

Thermal Protection

- Per current NEC

Please consult
QUOTATIONS
for the best alternative.

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-08178	ED-17/Med	100	100	50-70	35-70	100	9.5" Sq.

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.

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. 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.

Mounting Options

- 79 Extension collar for up to 2" thick ceilings.
- 85 Ceiling Panel; with recessed fixture hole. Lays-in 2' x 2' grid.

Other Options

- 99 Special modification. Consult factory.

KIRLIN

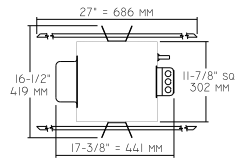
THE KIRLIN COMPANY

3401 EAST JEFFERSON AVENUE • DETROIT, MICHIGAN 48207-4232
(313) 259-6400 • Fax: (313) 259-9409 or (313) 259-3121 • www.kirlinlighting.com

THE KIRLIN COMPANY RESERVES THE RIGHT TO CHANGE, WITHOUT NOTICE, DETAILS OR SPECIFICATIONS IN PRODUCT DESIGN.

HRS-08178

Plan View



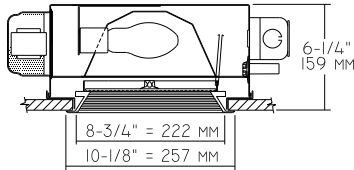
Cone of Light Key

- 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.

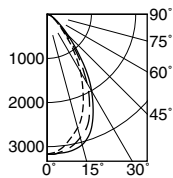
C.U. (Coefficients of Utilization) Tables are available on request. Please contact your Kirlin representative.

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 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 damages, direct or indirect, sustained or suffered by purchaser or any person. This warranty is applied to the 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 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.

HRS-08178 100W



HRS-08178 (Coated Lamp)



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

EFFIC: 53.6%

ITL TEST #51608
 *LER = 30.4
 •AEC = \$7.90

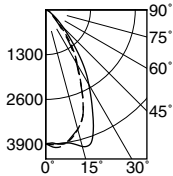
Cone of Light*

Ft.	FC	Dia.
6	88.0	6.1
8	49.5	8.1
10	31.7	10.2
12	22.0	12.2
14	16.2	14.2
16	12.4	16.3

CANDLEPOWER DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	3169	3169	3169	3169	3169
5	3088	3109	3161	3163	3142
15	2661	2845	3060	3030	2893
25	1915	2371	2458	2655	2266
35	1095	1546	1508	1770	1312
45	463	759	657	849	524
55	209	287	279	319	226
65	120	125	126	127	112
75	53	49	56	45	49
85	0	1	1	1	0
90	0	0	0	0	0

HRS-08178-FR (Coated Lamp)



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

EFFIC: 64.6%

ITL TEST #51639
 *LER = 36.6
 •AEC = \$6.55

Cone of Light*

Ft.	FC	Dia.
6	107.9	6.2
8	60.7	8.3
10	38.9	10.4
12	27.0	12.4
14	19.8	14.5
16	15.2	16.6

CANDLEPOWER DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	3886	3886	3886	3886	3886
5	3909	3927	3905	3934	4009
15	3596	3813	4107	3738	3587
25	2451	3516	3212	3448	2425
35	1363	2030	1840	2040	1236
45	505	929	714	900	399
55	211	319	251	308	180
65	125	120	115	117	94
75	56	48	53	42	38
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

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER

APPROVAL STAMP