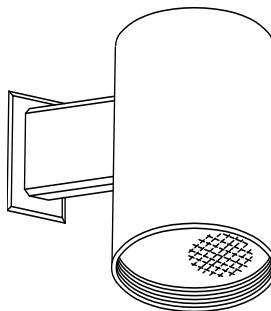


Wall Bracket Lensed E-Lamp "Pulse Start" Direct/Indirects: 50 to 400 Watt



12" 400/400W **HWR-12149**
12" 150/100W **HWR-12151**

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 HPS availability.

Sockets

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

Reflectors

- Specular parabolic or ellipsoidal Alzak® aluminum.

Trim Assemblies

- Direct: Seamless tapered black OptiGroove with white interlocking flange and UV absorbing tempered prismatic low brightness C#73 flat glass lens.
- Indirect: UV absorbing tempered prismatic C#73 flat glass on upper reflector.

- Optional lenses and trims available.

Ballast Assembly: Specify Voltage

- WhisperPack™ fully encapsulated 180°C rated HPF pulse start ballasts.
- 50-150 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; Class H, linear reactor for 277 volt.
- Capacitor and ignitor supplied.
- Wired for two circuits.
- Dimming (-39) and electronic (-96) ballasts available. See Options.
- Cool, quiet, long-life. Silicone leads.

Fuse

- Fused primary. Renewable. Aids servicing. One per ballast. Not for 480 volt.

Housing

- White acrylic enameled aluminum with wall bracket. No visible seam or cylinder hardware. See Options for other colors.
- Cool: Dissipates heat across entire surface.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.

Installation

- Wall bracket extrusion(s) assembled to housing. Wall plate included, for recessed outlet box.
- Mounting hardware included.
- Indoor or outdoor for covered ceiling use. (See Option -86)

UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings. (See Option -86)

Three Year Limited Warranty

- Complete standard fixture, including ballast

Wattage Availability

Catalog No.	Lamp/Base	Standard Wattage Direct/Indirect		Option -43: Lower Wattage		Max. Standby Wattage (-49-65-66-LS)	Lamp Position
		Pulse MH	-24 (HPS)	Pulse MH	-24 (HPS)		
HWR-12149	ED-28/Mog	400/400	250/250	150-350	50-150	150	Vert/Vert
HWR-12151	ED-17/Med	150/100*	150/100	50-125	35-100	100	Hor/Hor

*Maximum wattage reduced for Option -PM. See details below.

Options

Sources and Ballasts

- 24 HPS ballast(s) instead. See wattage chart above for available wattages. Specify voltage.
- 39 Remote (10' max.) electronic dimming ballasts instead, for pulse start metal halide. Consult factory for wattage and voltage availability.
- 96 Remote (15' max.) electronic MH ballasts instead. Consult factory for availability in 175W or above, or for internal mounting.

Wattage and Voltage

- 43 Lower wattage: See Option -43 chart above for available lower wattages. Specify voltage.
- 120 120 volt, 60 Hz. ballasts.
- 277 277 volt, 60 Hz. ballasts.
- 347 347 volt, 60 Hz. ballasts. Consult factory for dimming or electronic.
- 97 Other voltage ballast(s). 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 (Direct Position Only)

- 27 Clear 1/4" tempered glass beneath tempered prismatic C#73 flat glass lens for impact resistance.
- 40 White grooveless flare trim assembly instead.
- 45 Gasket between trim and housing (HWR-12149).
- 46 Gasket between trim and lens.
- FR Fresnel tempered lens instead.
- HO Holophane concave lens instead.
- ML UV absorbing tempered Microlux glass instead for HWR-12149 only.

Luminaire (Housing) Finishes

- 35 Natural Aluminum enameled luminaire finish instead.
- 36 Gold enameled luminaire finish instead.
- 37 Dark Bronze enameled luminaire finish instead.
- 38 Black enameled luminaire finish instead.
- 94 Custom color luminaire finish. Consult factory.

Mounting Options

- 87 Custom wall bracket length. Specify or consult factory for available lengths.
- 88 Swivel canopy for sloped ceilings up to 45° for HWR-12151 only. Earthquake rated. Use with Option -PM.
- PM Pendant mount instead for HWR-12151 only. 3/8" T.S. x 48" stem standard. Also see Options -87, -88. Reduces maximum wattage to 100/100W.

Other Options

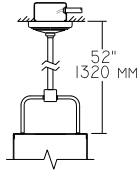
- 86 Gasketed prismatic glass WeatherCap for indirect position of luminaire; for installation in areas exposed to weather. Required for "Wet" label. Not available with Option -PM.
- 99 Special modification. Consult factory.

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

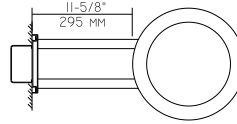
HWR-12149 HWR-12151



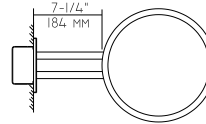
Representative
View:

(Left)
Optional
pendant
mount

(Option -PM)



Plan View A



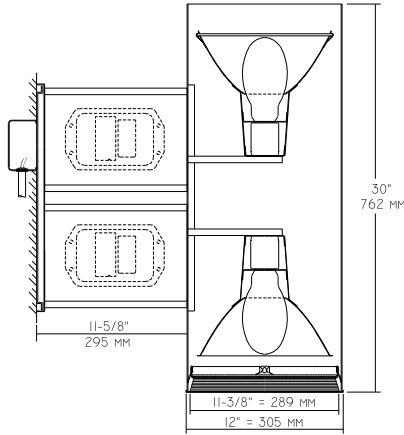
Plan View B

Cone of Light Key

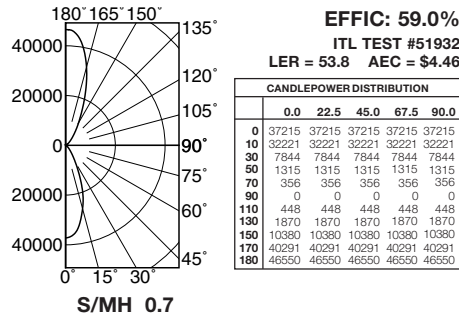
- Ft.** Distance from fixture
- FC** Footcandles (average)
- Dia.** Circle of light at 50% of FC
- * Dia. (in ft.) shown is where FC value is half the FC at nadir.

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

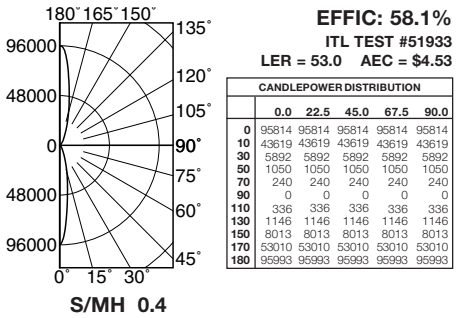
HWR-12149 400/400W (Plan View A)



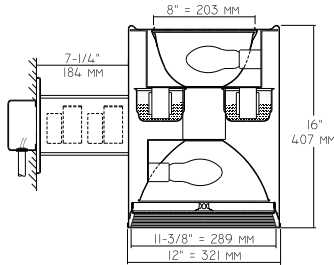
HWR-12149 (Clear Lamps)



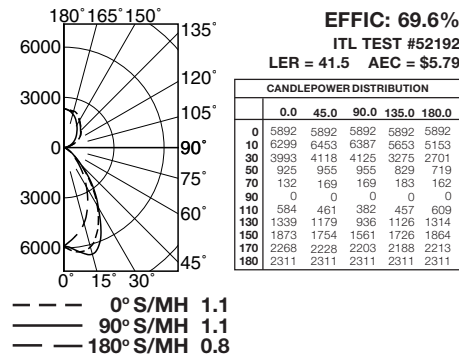
HWR-12149-ML (Clear Lamps)



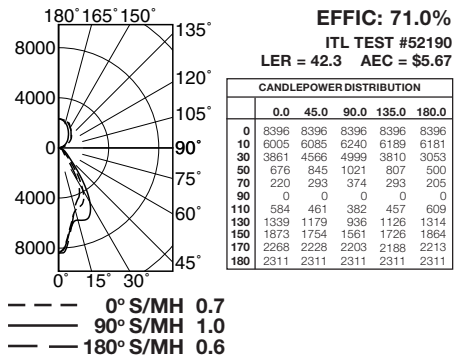
HWR-12151 150/100W (Plan View B)



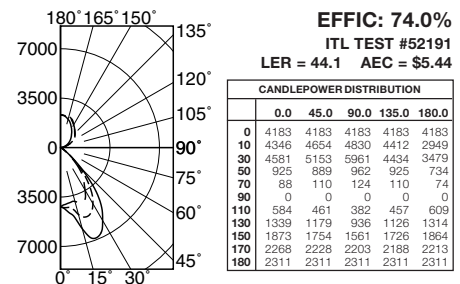
HWR-12151 (Coated Lamps)



HWR-12151-FR (Coated Lamps)



HWR-12151-HO (Coated Lamps)



* **LER (Luminaire Efficacy Rating)** = $\frac{\text{Luminaire Effic.} \times \text{Total Lamp Lumens} \times \text{Ballast Factor}}{\text{Input Watts}}$

* **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: 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 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 purchaser or others. This warranty is given by Kirlin Lighting Company, Inc. and is not valid without the signature of the manufacturer. This warranty is void if the fixture is not installed in accordance with the manufacturer's instructions. This warranty is void if the fixture is not installed in accordance with the manufacturer's instructions. This warranty is void if the fixture is not installed in accordance with the manufacturer's instructions.