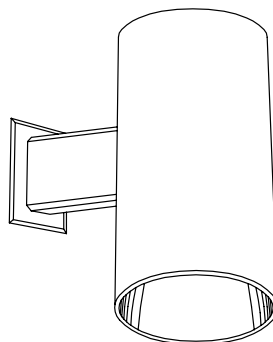


Wall Bracket Lensed E-Lamp "Pulse Start" Direct/Indirects: 50 to 400 Watt



9" 150/150W **HWR-09144**
12" 400/400W **HWR-12145**

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.

Sockets

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

Reflectors

- Self-flanged specular Alzak® aluminum.
- Ten optional finishes available for direct position. See Options.

Lenses

- UV absorbing clear tempered glass mounted to reflectors. Also see Options.

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.
- 200-400 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 hardware. See Options for other colors.
- Cool: Dissipates heat across entire surface area.
- 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-09144	ED-17/Med	150/150	150/150	50-125	35-100	100	Vert/Vert
HWR-12145	ED-28/Mog	400/400	250/250	150-350	150-250	150	Vert/Vert

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 200W 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 ballasts. 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.

Reflectors (Self-Flanged) (For Direct Position Only)

- 16 Champagne Gold Alzak reflector. (CP x .93)
- 31 White flange (only) on self-flanged reflector.
- 63 Dune specular Alzak reflector. (CP x .90)
- 69 Wheat specular Alzak reflector. (CP x .88)
- 70 SoTex Clear softly etched reflector. (CP x .90)
- 71 SoTex Dune softly etched reflector. (CP x .81)
- 77 SoTex Pewter softly etched reflector. (CP x .78)
- 90 SoTex Champagne Gold softly etched reflector. (CP x .84)
- 91 SoTex Wheat softly etched reflector. (CP x .80)
- 93 Pewter specular Alzak reflector. (CP x .85)
- 94 Custom color reflector. Consult factory.

Lenses

- 15 Prismatic flat C#73 glass lens instead.
- 86 Gasketed prismatic glass WeatherCap for indirect position of luminaire; for installation in areas exposed to weather. Required for "Wet" label.
- ML UV absorbing tempered Microlux glass instead.

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.

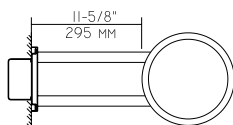
Mounting Options

- 87 Custom wall bracket length. Specify or consult factory for available lengths.

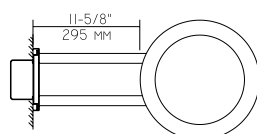
Other Options

- 99 Special modification. Consult factory.

HWR-09144
HWR-12145



Plan View A



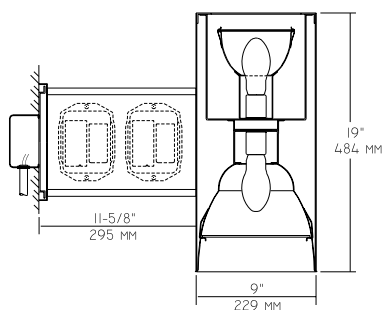
Plan View B

Cone of Light Key

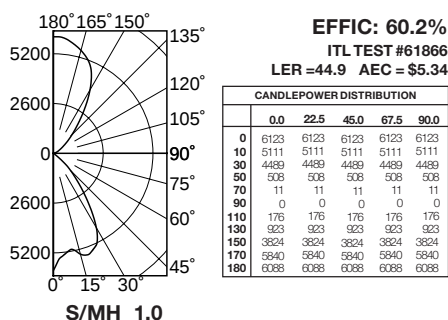
* Dia. (in ft.) shown is where FC value is half the FC at nadir.

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

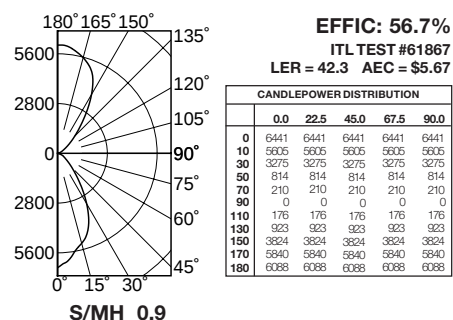
HWR-09144 150/150W (Plan View A)



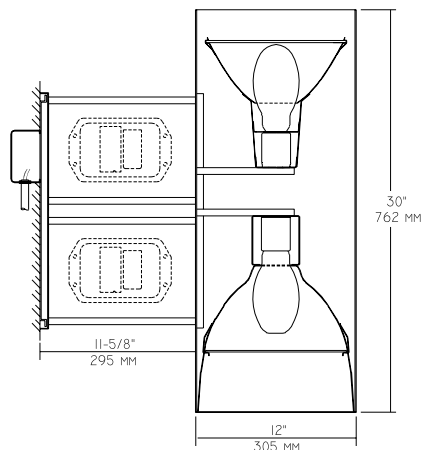
HWR-09144 (Coated Lamp)



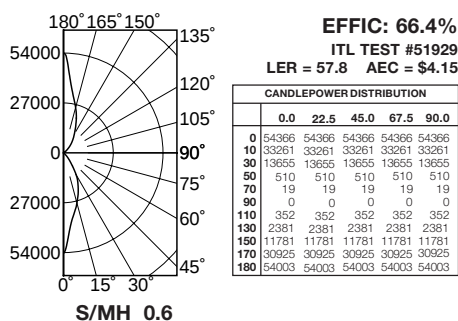
HWR-09144-15 (Clear Lamp)



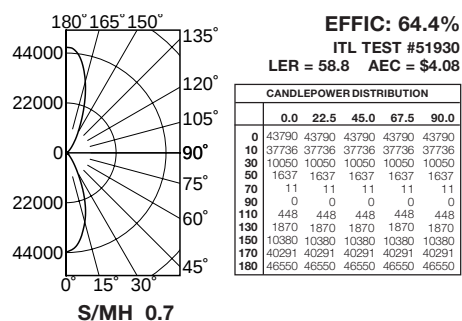
HWR-12145 400/400W (Plan View B)



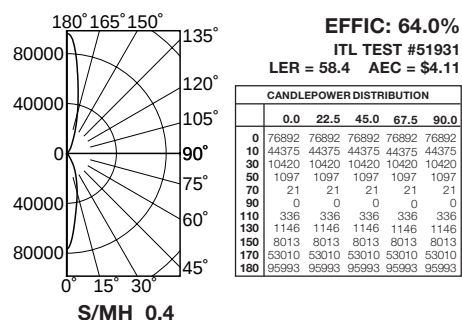
HWR-12145 (Coated Lamp)



HWR-12145-15 (Clear Lamp)



HWR-12145-ML (Clear Lamp)



* **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: CATALOGUE KILN/CLUSTERS ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP FOR THREE (3) YEARS FROM DATE OF PURCHASE, INSTALLED TO N.E., IN NORMAL USE. Manufacturer at his option will replace or repair such fixture or fixture (the purchase price on presentation of proof of purchase and defective fixture at the offices 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 buyer or any other person. This warranty is supplied to the buyer in addition to 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 modification of the fixture without prior written authorization from the manufacturer will render the warranty void.

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REV JAN 2010