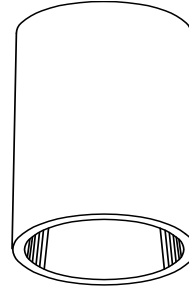


### Surface Open Appearance Lensed E-Lamp "Pulse Start" Downlights: 50 to 250 Watt



9"	100W	<b>HSR-09105</b>
9"	150W	<b>HSR-09106</b>
12"	250W	<b>HSR-12107</b>

### 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

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

#### Reflector

- Self-flanged clear specular Alzak® aluminum.
- Ten optional reflector finishes available.

#### Lens

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

#### Ballast Assembly: Specify Voltage

- WhisperPack™ fully encapsulated 180°C

rated HPF pulse start ballast, except core and coil ballast for HSR-09105 and HSR-09106.

- 50-150 watt: Class H, high reactance for 120 volt and Options -65, -66; linear reactor for 277 volt.
- 175-250 watt: Super CWA for 120 volt and Options -65, -66; Class H, linear reactor for 277 volt.
- Capacitor and ignitor supplied.
- Dimming (-39) and electronic (-96) ballasts available. See Options.
- Cool, quiet, long-life. Silicone leads.

#### Fuse

- Fused primary. Renewable. Not for 480 volt.

#### Housing

- White acrylic enameled aluminum.
- No visible seam or cylinder hardware.

- Cool: Dissipates heat across entire surface area.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.

#### Installation

- Center point mounting for snug fit to ceiling. Mounting hardware furnished.
- QuickConnect mounting system available (Option -QM).
- Surface J-box mount available. (Option -80)
- Pendant or wall bracket mount available. (See Options -PM, -WB)
- Indoor or outdoor for covered ceiling use. (See Options -QM, -89)

#### UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings. (See Options -QM, -89)

#### Three Year Limited Warranty

- Complete standard fixture, including ballast.

### Wattage Availability

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)	
HSR-09105	ED-17/Med	100	100	50-70	35-70	100
HSR-09106	ED-17/Med	150	150	50-125	35-100	100
HSR-12107	ED-28/Mog	250	250	150-200	150	150

### Options

#### Sources and Ballasts

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

- 39 Remote (10' max.) electronic dimming ballast instead, for pulse start metal halide. Consult factory for wattage and voltage availability.

- 96 Remote (15' max.) electronic MH ballast 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. 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 and 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.

- HL Hi-Lo wiring modification for HSR-12107 only. For use with external relay systems (by others). 175 watt or above. CWA ballast only. Specify system.

- 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 and Trims (Self-Flanged)

- 16 Champagne Gold specular 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 SofTex Clear softly etched reflector. (CP x .90)

- 71 SofTex Dune softly etched reflector. (CP x .81)

- 77 SofTex Pewter softly etched reflector. (CP x .78)

- 90 SofTex Champagne Gold softly etched reflector. (CP x .84)

- 91 SofTex 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 instead.

- 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

- 54 Safety cable through pendant stem. 12" longer than specified stem length. Anchored to fixture. Use with Option -PM.

- 80 2" concealment collar for mounting luminaire beneath surface outlet box. 1/2" T.S. KO's. Also see Option -89.

- 87 Custom -PM length. Specify up to 4 feet or consult factory for longer lengths with couplers.

- 88 Swivel canopy for sloped ceilings up to 45°. Earthquake rated. Use with Option -PM.

- 89 Sealed top feature prevents moisture and insect intrusion from above in outdoor or high humidity areas. Must add to Options -80, -PM or -WB for Wet Label listing.

- PM Pendant mount instead. 3/8" T.S. x 18" standard. Also see Options -54, -87, -88, -89.

- QM QuickConnect mount, for indoor (damp or dry) use only. Housing swings aside for easy wiring, then pivots and locks to matte black collar.

- WB Wall bracket mount instead. Also see Option -89.

#### Other Options

- 99 Special modification. Consult factory.

