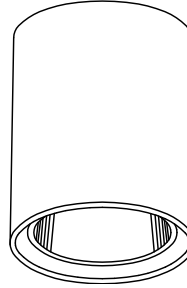


Surface Open E-Lamp "Pulse Start" Flare Downlights: 150 to 400 Watt



12" 250W HSR-12101
14" 400W HSR-14102

Features

Lamp

- Designed for open rated mogul base 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 and open rated.
- Glazed porcelain.
- Nickel-plated brass screw shell. Silicone leads.

Reflector

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

Ballast Assembly: Specify Voltage

- WhisperPack™ fully encapsulated 180°C rated HPF pulse start ballast.

- 150 watt: Class H, high reactance for 120 volt, linear reactor for 277 volt.
- 175-400 watt: Super CWA for 120 volt and Option -HL; 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 with interlocking flare trim ring.
- No visible seam or cylinder hardware.
- Cool: Dissipates heat across entire surface.

- 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	
		Pulse MH	-24 (HPS)	Pulse MH	-24 (HPS)
HSR-12101	ED-28/Mog	250	250	150-200	150
HSR-14102	ED-28/Mog	400	250	150-350	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, Lamps (see Chart)

- HL Hi-Lo wiring modification 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) Consult factory for other color temperatures.

Reflectors and Trims (Self-Flanged)

- 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 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 anodized Alzak reflector. (CP x .85)
- 94 Custom color reflector. Consult factory.
- OG OptiGroove black seamless tapered aluminum reflector. White trim. (CP x .80) Not available for HSR-14102.

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 provided. 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.

