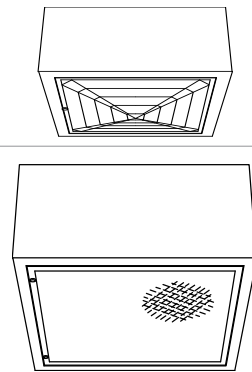


Surface Lensed E-Lamp Downlights & Forward Throw Downlight: 50 to 400 Watt



13" 100W **HSS-13221**

20" 400W **HSS-20222**

20" 400W **HSS-20223**

Features

Lamp

- Designed for metal halide E-lamps. See chart below for available wattages.
- See Option -43 and chart below for lower wattage or HPS availability.

Socket

- Pulse rated. Nickel-plated brass screw shell. Silicone leads. Glazed porcelain.
- Horizontal: HSS-13221.
- Vertical: HSS-20222.
- Forward throw horizontal: HSS-20223.

Reflector

- GlasSurfaced™ clear specular aluminum.

Trim Assembly

- HSS-13221: UV absorbing tempered prismatic shock resisting spread Kirlin lens.
- HSS-20222, HSS-20223: UV absorbing tempered low brightness prismatic flat glass.
- Rustfree die-formed door and captive thumb screw(s). Concealed hinges.

- Beveled cast aluminum frame tooled to ensure close fit with door. White acrylic finish.

Ballast Assembly: Specify Voltage

- WhisperPack™ fully encapsulated 180°C rated HPF pulse start ballast, except core and coil ballast for HSS-13221.
- 50-150 watt: Class H, high reactance for 120 volt, linear reactor for 277 volt.
- 175-400 watt: CWA for 120 volt and Options -65, -66, -HL; Class H, 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

- Tempered, rigid rustproof aluminum: Exceeds 1000 hour ASTM 5% salt spray test.
- Cool: Dissipates heat across entire surface.
- No visible housing hardware.

Installation

- Center point mounting with snug fit to ceiling. Mounting hardware furnished.
- Indoor or outdoor for covered ceiling use. (See Option -89)
- Collar for mounting beneath surface outlet box available. (Option -80)
- Pendant mount available. (Option -PM)
- Wall bracket mount available. (Option -WB)

UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings. (See Option -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)	Fixture Style
		Pulse MH	-24 (HPS)	Pulse MH	-24 (HPS)		
HSS-13221	ED-17/Med	100	100	50-70	35-70	100	Downlight
HSS-20222	ED-37/Mog	400	400	150-350	150-250	250	Downlight
HSS-20223	ED-37/Mog	400	400	150-350	150-250	250	Offset

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)**
- 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 use with external relay systems (by others). Specify system separately. Not available for HSS-13221.
- 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

- 15 Prismatic C#73 flat glass lens instead. Standard for HSS-20222, HSS-20223.
- 26 Tamperproof trim. One key / ten fixtures. See -27.
- 27 Clear 1/4" tempered glass beneath tempered prismatic C#73 flat glass lens for vandal resistance. Also see Option -26.
- 42 Drop polycarbonate prismatic lens for HSS-20222 or HSS-20223 only.
- 46 Gasket between trim and lens.
- DG Drop Guard with tempered flat prismatic glass. Galvanized steel. White acrylic finish.
- DH Drop Holophane tempered lens. Not available for HSS-20222, or HSS-20223.
- TC Teflon coated safety lens; retains glass particles in event of breakage.

Luminaire (Housing) Finishes

- 35 Natural Aluminum enameled luminaire finish.
- 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" white extension collar for surface outlet box. 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 use with 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.
- WB Wall bracket mount instead. Also see Option -89. Not available for HSS-20222, HSS-20223.

Other Options

- 99 Special modification. Consult factory.

