TECHNICAL DATA SHEET
evoSmart Performer Series

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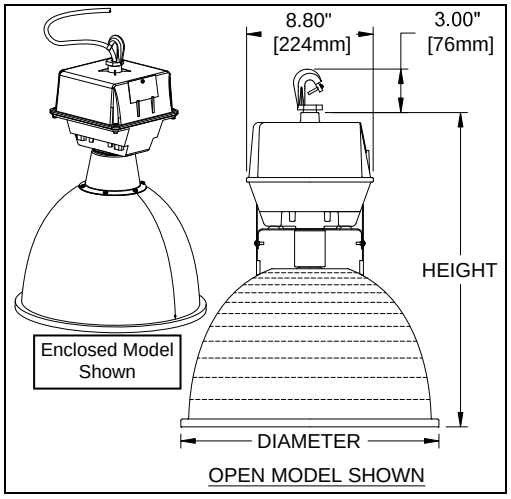
CSA Approved For Damp Locations

Available in 250 to 400W Pulse Start Metal Halide & High Pressure Sodium



SERIES	HEIGHT	DIAMETER
981 Narrow	22.5"–24.5" [572-622mm]	18.0" [457mm]
982 Medium	21.1"–23.1" [536-587mm]	18.0" [457mm]
983 Wide	20.6"–21.8" [523-554mm]	18.0" [457mm]
984 Very Wide	20.1"–21.0" [511-533mm]	18.0" [457mm]

SPECIFICATIONS:

- Microprocessor-controlled electronic HID ballast designed for up to 45° C ambient temperatures; -30°C starting temperature.
- Protections: ballast output short circuit, ballast output open circuit, ignition failure, thermal, end of lamp life. Built in thermal protection dims the lamp when ballast case temperature (Tc) reaches maximum and shuts down the lamp if Tc exceeds the factory pre-set maximum; ballast will automatically ignite the lamp when the ballast cools down.
- Line regulation better than +-0.5% for +-10% change in line voltage; maintains essentially constant output wattage throughout lamp life; lumen maintenance >90% at 30 000 hours of lamp operation.
- Electronic Dimming ballast has integral continuous 50-100% dimming with automatic start to Hi for 15 minutes. Continuous dimming can be implemented by connecting an analog 0 - 10VDC dimmer.
- Electronic Intelligent Dimming ballast utilizes electronic ballast technology to control the light output; dimming level is automatically controlled by the ballast.
- Total Harmonic Distortion <20%; Power factor >0.92
- Hot Restrike for HPS lamps; MH lamps effective life extended by more than 50%
- Ballast Housing is constructed of die-cast aluminum which features "Tilt 2" design for maximum heat dissipation, drip lip construction. Standard finish is Duraplex II™ White Electrostatic Powder coat.
- Four computer designed reflector shapes. Each reflector shape stamped with an "N"-narrow, "M"-medium, "W"-wide, or "V"-very wide detail, to identify light distribution pattern. Chemically brightened finish for high reflectivity and clear anodized coating for industrial durability.
- Reflector straps with "Strap Lock" design have stamped in position marking for precise positioning of reflector in relation to the lamp, to accommodate a variety of spacing criteria. Enclosed models (EG/EC/ET) are not field adjustable, and are wattage & source dependant.
- Clear tempered Glass, Teflon, or Corning 73 lens options. Sealed to reflector in a removable lens assembly with a gasket. Three tool less latches for easy lens installation and removal.
- Porcelain, 4 kV pulse rated, Mogul base socket lampholder with copper alloy nickel-plated screwshell. Open 250W, 320W and 350W EPS come with specific open fixture rated lamp socket.
- Standard mounting with hook and cord or threaded ¼ turn hub for ¾" NPT mount. Available with a Low Profile bracket where the ballast is mounted beside optical assembly for unusual applications; Wall Mount Arm available to allow mounting to virtually any vertical surface.
- Comes with 3 year limited warranty.
- HID luminaires should be operated on grounded systems only. Ungrounded power distribution systems may carry high transient voltages which can cause failure of any type electrical equipment. Use of Canlyte equipment on ungrounded systems will VOID THE WARRANTY.

Electrical ratings:

Lamp Wattage	120V		208V		240V		277V		347V	
	Input Power	Input Current	Input Power	Input Current	Input Power	Input Current	Input Power	Input Current	Input Power	Input Current
250W	269W	2.34A	269W	1.35A	269W	1.17A	269W	1.01A	276W	0.86A
320W	359W	3.05A	344W	1.72A	344W	1.49A	344W	1.29A	354W	1.09A
350W	390W	3.32A	375W	1.88A	375W	1.63A	375W	1.41A	385W	1.21A
400W	441W	3.75A	426W	2.13A	426W	1.85A	426W	1.62A	436W	1.37A

ORDERING GUIDE:

Example: ***ES983P400EDPSL3C-6G***

ES98							-	

Series	Reflector Type	Lamp Wattage [1]	Ballast Type	Light Source	Lamp Included	Options	Voltage	Finish [2]
ES98: evoSmart Performer	**1P** : Narrow **2P** : Medium **3P** : Wide **4P** : Very Wide	**250** : 250W **320** : 320W **350** : 350W **400** : 400W	**E** : Electronic Standard **ED** : Electronic Dimming **EQ** : Electronic Intelligent Dimming [6]	**PS** : Pulse Start Metal Halide **S** : High Pressure Sodium	**L** : Yes Blank : No	**3C** : 3' Pre-wired Cabtire w/ 715 Open Hook **3CP** : 3' Pre-wired Cabtire w/715 Open Hook & 20A Twist-lock plug **EM** : Auxiliary Quartz Socket Only [3] **FS** : Single Line Fusing **WM** : Wall Mount Arm **LP** : Low Profile Mounting **DG** : Duroglass Protective Lining on Reflector **EG** : Clear Tempered Glass Lens Assy. [4] **EC** : Corning 73 Diffused Glass Lens Assy. [4] **ET** : Teflon Lens Assy. [4, 5]	**1**: 120V **2**: 208V **3**: 240V **4**: 277V **6**: 347V	Blank : White **B** : Black **G** : Grey

[1] PS (250, 320, 350, 400W); S (250, 400W).
[2] For other housing finishes, consult factory for available colours & colour code.
[3] Socket is double contact bayonet base 150W max (Lamp not supplied).
[4] Enclosed models are wattage & source dependant, and are not field adjustable.
[5] Teflon lens is not a suitable lamp containment barrier, therefore open rated lamp must be used.
[6] Only available in 320W.

PROJECT: _____

TYPE: _____ CATALOGUE NUMBER: _____