

Genesys 250W gHID System Data Sheet

Introduction

The Genesys 250W gHID lighting system is an excellent energy savings solution for indoor and outdoor HID lights from 400W to 600W. The solution consists of one high-efficiency gHID electronic ballast, one high performance 250W metal halide lamp, and hardware for installation.

The key component of the gHID system is the Genesys ballast. Its innovative, patented design and remarkable circuit efficiency extend the rated life of a standard HID lamp and provide a bright, white light. The high quality light produced by the gHID ballast allows for the use of a much lower wattage lamp, saving up to 63% in energy usage.

gHID ballasts are built to operate in temperatures ranging from -30°C to 105°C, and have an auto standby mode that conserves energy and ballast life when a lamp fails. gHID can be internally mounted in most 400W - 600W HID fixtures, or remote mounted up to 10 feet from the fixture itself. Installation is easy due to gHID's light weight and there is no need for an external capacitor or ignitor. gHID provides a true low cost retrofit with 31% to 63% energy savings.

Other energy saving lighting products require the entire fixture to be replaced and often need additional fixtures to provide adequate light quality. The Genesys system is a one for one retrofit that saves substantial energy and minimizes material waste.

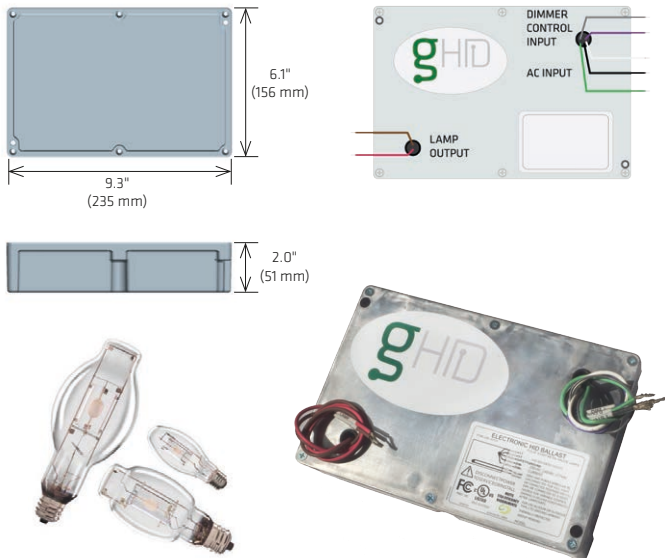


gHID Benefits & Comparison

Feature	250W gHID	Notes
Energy Savings	31% - 63%	Massive savings over standard 600W magnetic HID ballast
Environment (Operating Range)	-30°C to 105°C	Best in class performance; suitable for the harshest environments
Lamp Life	Extends life	High frequency and Smart Strike technology extend life by reducing wear on lamp components (Refer to manufacturer's spec for rated life)
Ballast Life	Extends life	Extended life over magnetic ballast
Lumen Maintenance	Minimum 80% of lumens at end of life	Lamps run by gHID maintain lumen levels better than with standard ballasts
Light Quality	4000K - 5000K	Clean, bright, white, high quality light
Ballast Efficiency	96% Minimum 98% Typical	Most efficient HID ballast available
Warmup Time Restrike Time	1 Minute 4 Minutes	Fastest times of any HID system on the market
Audible Hum	None - gHID is silent	Eliminates the annoying hum and buzz of typical HID systems
Dimming	Yes - Up to 50%	Available: additional energy savings proportional to dim %
Lamp Failure Standby	Auto standby mode (no power draw)	Magnetic ballasts often draw 80% of full power even when lamp is out which can lead to ballast failure
Weight	6 lbs.	Versus ~10 lbs. for a magnetic ballast; makes installation easier and safer while consuming far less raw material

* Any standard 250W HID lamp can be used with the gHID ballast. Some performance specs may vary.

Dimensions & Wiring



Ordering Information

gHID-250W	-	208	-	4K	-	HZ
Model gHID-250W		Voltage 208 - 208 - 277V AC		Lamp CCT 4K - 4000 K 5K - 5000 K - (no lamp)		Lamp Orientation HZ - Horizontal BU - Base Up BD - Base Down - (no lamp)

