

Genesys 200W gHID System Data Sheet



gHID Introduction

The Genesys 200W lighting solution is an excellent energy savings solution for indoor/outdoor 200W to 400W-HID lights. The solution consists of: one high-efficiency gHID electronic ballast, one high performance 200W Metal Halide Lamp, and hardware for installation.

The ballast can be internally mounted in most types of fixtures running 200W to 400W-HID lamps. For applications where the fixture ballast compartment is too small, the gHID solution can easily be remotely mounted up to 10 feet from the fixture itself. In either case the gHID system provides a true low cost retrofit with 50% to 75% energy savings.

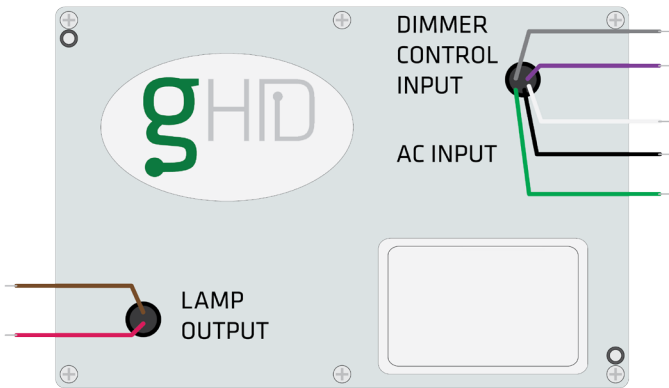
The innovative design of the Genesys ballast allows it to operate many brands and types of HID lamps, extend the rated life of the lamp by over 2 times its rated life, and provide a whiter, brighter light than a standard 400W mechanical ballast system. This high quality of light produced by the gHID ballast allows the use of a much lower wattage lamp which in turns saves the user 55% + in energy usage.

Other popular energy savings lighting solutions require the entire fixture to be replaced and in many cases additional light fixtures are required to provide adequate light quality.

gHID Benefits/Comparison

Features	200W gHID w/ Venture #95200 Natural White or Equivalent (Base Up)	400W Typical Lamp w/ Mechanical Ballasts
Energy Savings	55% savings over 400W system (better scotopic light)*	N/A
Ballast Efficiency	96% Typical	80% to 85%
Light Quality	Clearer, brighter, whiter; 90+ CRI, (5000K) CT	65 CRI, (3700K to 4000K) CT
Environment	IP rated for outdoor/indoor -30°C to 105°C case	Similar
Dimming	Up to 50% (additional energy savings proportional to dim %)	Available (negligible increase in energy savings)
Lamp Life	Extends lamp life up to 2X + rated life (30,000 hrs)	8,000 to 15,000 hrs
Restrike Time	< 4 minutes	15 minutes
Lamp Fail Standby	Auto standby mode (no power draw)	Uses up to 80% of power with lamp failed or removed
Audible Hum	No audible hum	Noticeable audible hum
System Weight	~ 7 lb.	~ 12 lb.

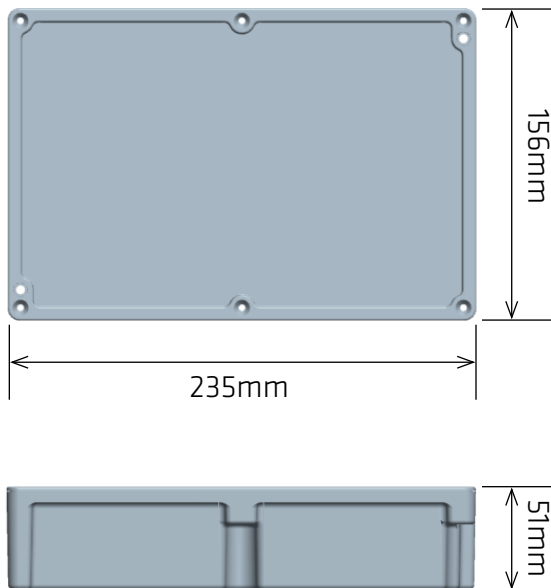
* 50% dimming available - will save 65% with slightly less light output



gHID 200W System Performance (Ballast and Lamp Type)

Performance	200W gHID w/ Venture #95200 Natural White or Equivalent (Base Up)	200W gHID w/ Venture #70764 Pulse Start Metal Halide (Horizontal)
Light Quality	Same or better light quality as 400W w/ mechanical ballast	Similar light quality as 400W w/ mechanical ballast
Lumen Maintenance (30K hrs)	>75%	>75%
Color Temperature	5000K	4000K
Color Rendering (CRI)	92 (Typical w/ ballast) 90+ (Lamp rating)	71 (Typical w/ ballast) 68+ (Lamp rating)
System Input Power	208W to 210W	208W to 210W
Lamp Power	200W	200W
Temperature Range	-30°C to 105°C	-30°C to 105°C

Mechanical Dimensions:



Ordering Information

200W gHID w/ PowerBall Lamp	Ordering P/N	Ballast Watts	Ballast Input Voltage	Lamp Product Number	Accessories
Ballast Only	GHD200-208-277	200W	208V to 277V AC	N/A	Insulating sheet, adhesive
Ballast and Base Up Lamp	GHD200-208-277-BU	200W	208V to 277V AC	Venture #95200	Insulating sheet, adhesive
Ballast and Horizontal Lamp	GHD200-208-277-H	200W	208V to 277V AC	Venture #70764	Insulating sheet, adhesive