



160 Gibson Drive Unit 9  
Markham, ON. L3R 3K1 Canada  
Tel: 905-475-2067  
Fax: 905-470-0168

## Introducing the New GloGreen Series Digital HID (DHID) Ballasts



Introducing the new GloGreen Series Digital HID (DHID) ballasts from Accendo, the only in the World to offer many innovative cost-saving features including Multiple Bulb Capability; now one ballast can operate either HPS or MH bulbs with equal efficiency for reduced inventory and choice (for Municipality/Industrial applications) and for functionality (Greenhouse/Hydroponics industry). The

DHID ballast operates at 97% efficiency and therefore converts virtually all input power into lumen output (118lm/W luminous efficacy). With very little heat produced, end-users equally benefit with reduced Heating, Ventilating, and Air Conditioning electricity expenses, which is ideally suited to the refrigeration/cold storage industry and greenhouse/hydroponics industry.

The new GloGreen Series operates High-Pressure Sodium (HPS), Metal Halide (MH), and Ceramic Metal Halide (CMH) High-Intensity Discharge (HID) light bulbs. Applications include retrofit upgrade and new Green lighting projects for street lighting, parking lot, factory/warehouse, retail, airport, sports field/stadium, greenhouse/hydroponics, aquarium, and solar/wind renewable energy lighting.

Accendo *Direct Digital Ignition* (DDI) micro-processor technology allows for the optimal operation of the HID bulb in two stages; it controls the ignition process, providing a precise soft-strike of Voltage to ignite the bulb to 100% power in 60 seconds (as opposed to 10-15 minutes with traditional magnetic HID systems); it controls and monitors (in a closed loop) the operation of the bulb after it is ignited, ensuring the most efficient consumption of bulb gases. DDI extends the life of the bulb by 100%, and guarantees the light brightness and lumen penetration/throw output will never degrade more than 5% over the entire life of the HID bulb (95% lumen maintenance). With HID bulbs now lasting 50,000 hours or more, costly relamping is no longer required since originally specified lumen levels will never decrease; meaning lamp changes are truly at the end of the lamp's lifespan.

Fully silicon potted for manufacturing and outdoor/wet environments, the GloGreen Series represents the most robust digital ballast solution on the market today. The GloGreen Series is available in 50W, 70W, 100W, 150W, 200W, 250W, 400W, 575W, 600W, 750W, and 1000W configurations for HID upgrade/retrofit applications. The GloGreen Series is available in 120V, 208V, 240V, 277V and 347V Voltages and meets CSA (Canadian and US) and CE (European) electrical certification standards.

In a retrofit application, typically we recommend the substitution of an inefficient magnetic ballast with a DHID ballast which is half of the power rating (for example, a 400W MH bulb system would be substituted with a 200W DHID ballast operating a 250W bulb). Alternatively, Accendo offers GloGreen Series Digital HID ballast powered cobra head street lighting fixtures for new/replacement street, highway and parking lot upgrade applications and DHID powered Highbay fixtures for factory/warehouse, retail, and public space applications.

This simple and immediate cost-effective upgrade yields 50%+ electricity money savings. Introduce smart dimming and costs can be further reduced an additional 50% (utilizing a motion/heat sensor – ideal for parking lot applications, warehouses, stadiums, etc.). Dimming by sensor is one-step and by default, when triggered, dims to 50% of incoming power. For example: The DHID 200W would ignite to 200W from the 100W setting instantly when triggered by sensor. After a pre-set time of no motion, the DHID light will then dim back instantly to its 100W state.



Accendo GloGreen Series Digital HID ballasts offer unparalleled electrical efficiency and performance compared to conventional core and coil (magnetic) ballasts. DHID offers the most cost-effective, value-added alternative to LED, fluorescent and induction based technologies for new and retrofit industrial and commercial Green lighting projects. The perfect balance of initial buying cost, energy efficiency, light performance and low /maintenance consumable costs over the long term for the most realistic and environmentally responsible short term return on investment. Please do not hesitate to [Contact Us](#) for additional details.

## Accendo Electronics Ltd.

[info@AccendoElectronics.com](mailto:info@AccendoElectronics.com)

[www.AccendoElectronics.com](http://www.AccendoElectronics.com)

[www.AccendoElectronics.WordPress.com](http://www.AccendoElectronics.WordPress.com)