

## GloGreen Series Digital HID (DHID) Ballast Retrofit and New Installation Guide

### How to Install DHID Retrofit Ballasts

For typical existing Low-bay/High-bay and Street/Parking Lot HID light fixture applications, a core and coil (magnetic) ballast of 70W to 450W power will be upgraded. For a magnetic 250W fixture upgrade, for example, a GloGreen DHID 100W or 150W retrofit ballast is installed; for an existing magnetic 400W fixture, the GloGreen DHID 200/250W retrofit ballast is installed.

### DHID Ballast Retrofits/Replaces 70W to 450W Magnetic Ballasts in Existing Fixtures:

Install GloGreen Series 70W, 100W, 150W or 200/250W DHID retrofit ballast to upgrade magnetic 100W – 450W fixture ballasts.

#### Internal Retrofit

- Install the DHID ballast inside the existing magnetic ballast HID fixture housing as shown in image to the right.
- Provide a mounting plate for secure installation in base of housing.
- For 250W/200W ballast, determine the optimum light levels at 200W or 250W setting (select via switch).
- Install new 250W MH or HPS bulb.



#### External Retrofit

- Accendo recommends this retrofit method
- Install DHID ballast within 2 feet of fixture as shown in image to the left.
- Use existing Junction Box if possible
- For 250W/200W ballast, determine the optimum light levels at 200W or 250W setting (select switch).
- Install new 250W MH or HPS bulb.

### DHID Ballast Retrofits/Replaces 1000W to 2000W Magnetic Ballasts:

Install GloGreen 575W, 600W, 750W and 1000W DHID retrofit ballasts to upgrade old magnetic 1000W to 2000W ballast fixtures.

#### High-Wattage Ballast Retrofit Options

- Install the DHID ballast in place of the existing magnetic ballast in its existing junction box or environment proof enclosure.
- Provide a mounting plate for secure installation in base of housing.
- Install new matching Wattage MH or HPS bulb.



## Where Are GloGreen Series DHID Lighting Retrofit Ballasts Applied?

- ✓ GloGreen 70W DHID ballast replaces core and coil (magnetic) 150W ballast – application examples include underground parking, lowbay factory/warehouse (<25ft), street lighting, outdoor parking lot lighting, wallpack/building perimeter lighting, canopy lighting.
- ✓ GloGreen 100W or 150W replaces magnetic 200W-320W – application examples include highbay factory/warehouse/retail (<30ft), street/parking lot lighting, general outdoor/indoor applications.
- ✓ GloGreen 200W or 250W replaces magnetic 320W to 450W – applications include highbay factory/warehouse/retail (<50ft) , street lighting, arena, event, airport, hydroponics, aquarium, general outdoor/indoor applications.
- ✓ GloGreen 575W or 600W or 750W replaces magnetic 1000W to 1500W – applications include highbay factory/warehouse/retail (50ft+), street/highway/parking lot lighting, arena/stadium, sports field, event, airport, hydroponics, greenhouse, aquarium, any general outdoor/indoor lighting applications requiring really long light throw/penetration.
- ✓ GloGreen 1000W replaces magnetic 2000W – applications include highbay factory/warehouse/retail (100ft+), street/highway/parking lot lighting, arena/stadium, sports field, event, airport, hydroponics, greenhouse, aquarium, any general outdoor/indoor lighting applications requiring extremely long light throw/penetration.
- ✓ GloGreen DHID products are designed to work most efficiently with solar/wind power sources.

## GloGreen Series DHID Ballast Powered Fixtures for Replacement and New Green Project Installations:

### Plug-and-Play DHID 250W/200W and 575W Fixtures

- "Plug-and-Play" for replacement and new installations
- Available in 250W/200W and 575W configurations
- GloGreen F575 Fixture example shown in image to right.
- MH or CMH bulb options are available for F200/250W.
- Fully silicon potted/sealed for harsh environments.
- F250W/200W ballast fixture allows power selection; determine the optimum light levels at 200W or 250W setting (select via switch).
- Uses 50% less electricity than magnetic ballast fixtures.

The GloGreen Series Digital HID (DHID) retrofit ballasts and fixtures for High-Intensity Discharge (HID) lamps represent the most environmentally and economically responsible lighting upgrade solution for Municipality, Commercial and Industrial applications.

For new Green building or outside lighting projects, Accendo DHID lighting solutions outperform with the perfect balance of low initial buying cost, energy efficiency, light quality/penetration performance over the long term, and really low maintenance/ consumable costs for Industry's best return on lighting investment.

Please do not hesitate to contact us with any questions.

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