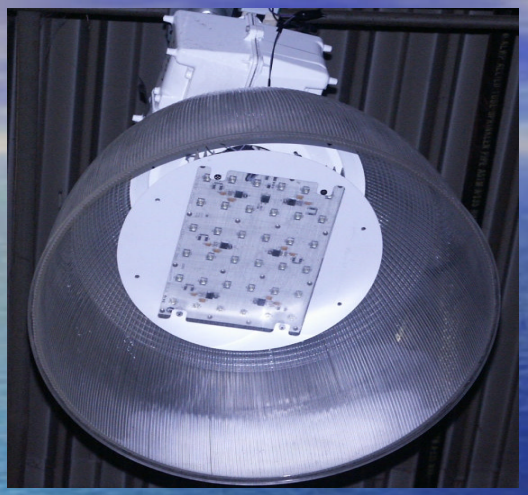
LED HID Retrofit for High and Low Bay Fixtures



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LED HID Retrofit for High and Low Bay Fixtures

Understanding what is a High Bay and Low Bay Fixture

- This type of fixture is used to illuminate a variety of areas such as: warehouses, shops, stores, schools, all types of industrial applications.

- Huge LED retrofit market and new applications are also available in your marketplace.

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LED HID Retrofit for High and Low Bay Fixtures

Understanding what is a High Bay Fixture

- High Bays are units that, as its name and description tells you, are installed in high ceiling light applications.
- The High Bay can be identified by the space seen between the fixture bell housing and the ballast box as seen in pictures on RH side.

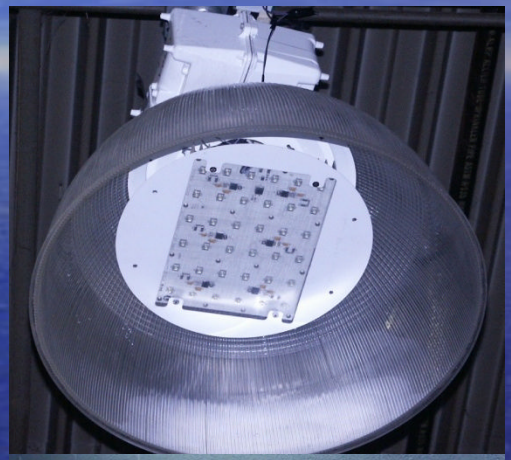
LED HID Retrofit for High and Low Bay Fixtures

Understanding what is a Low Bay Fixture

- As the name implies, they are used in lower ceiling applications. In these applications it's most common that the fixture will have some type of lens on the low bay fixture.
- Low Bay fixtures can be identified by the ballast box being installed at the base of the fixture bell, as seen on RH side picture.

LED HID Retrofit for High and Low Bay Fixtures

- For difficult architectural illumination applications consider LED HID retrofit kits.
- How the fixture looks after the installation of the LED HID retrofit plate into a High Bay or Low Bay fixture.
- It has now been converted from a high energy consuming HID system to an energy saving LED, providing a green solution and allowing you to recycle and retrofit your existing fixture. Provides savings in fixture, freight and environment versus replacement: we remove ballast and lamp, and we keep the rest and reuse.



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High Bays & Low Bays come in a variety of sizes and styles, a variety of Watt offerings, single and three phase, with and without lens. No matter the type and brand of fixture, you can retrofit with these LED HID retrofit kits.










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LED HID Retrofit for High and Low Bay Fixtures

Millions of installations waiting for LED HID retrofits

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LED HID Retrofit Lighting Dimensions

- HTS-9aa 70W to15W
  3” Round Diameter X 1-1/2” H
- HTS-9a 100W to 29W
  3-1/2” W X 7-1/4” L X 1-1/2” H
- HTS-9 250W to 59W
  7-1/4” W X 7-1/4” L X 1-1/2” H
- HTS-8 400W to 88W
  7-1/4” W X 10” L X 1-1/2” H
- Units can be doubled up for more light output (HTS-8-2, 2 x 88W = 800 to 1000W HID, for example).

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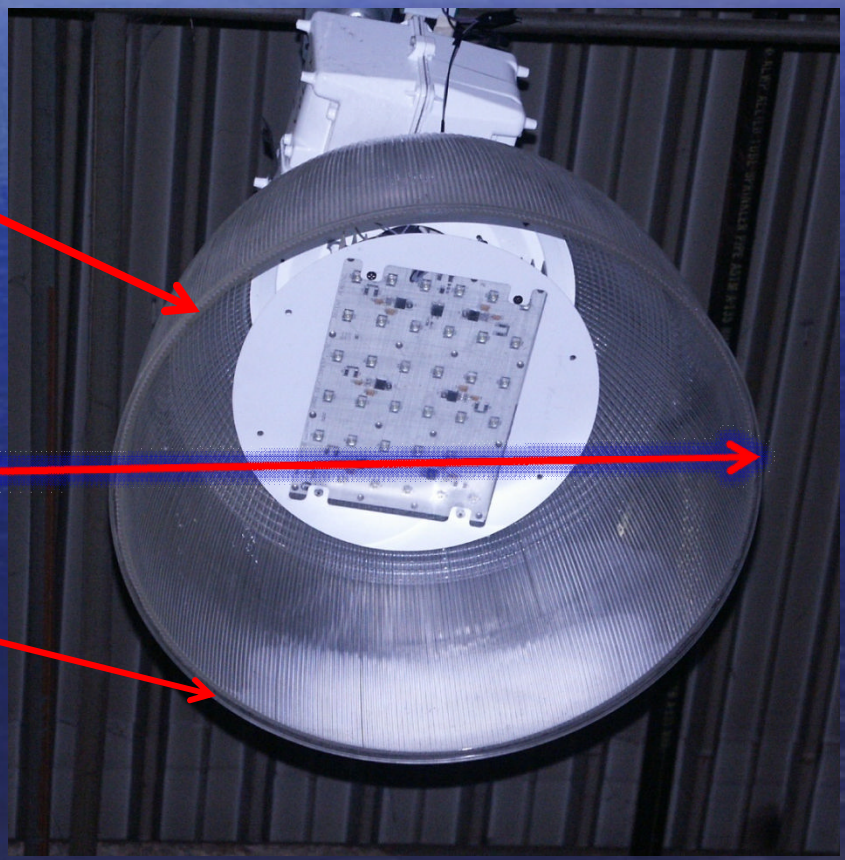
The measurement or diameter we talk about is across the opening at the bottom. Normally if you have the part number and brand of existing fixture you have the diameter. Standard units will normally be 16”, 18”, 22” and 24” diameter.



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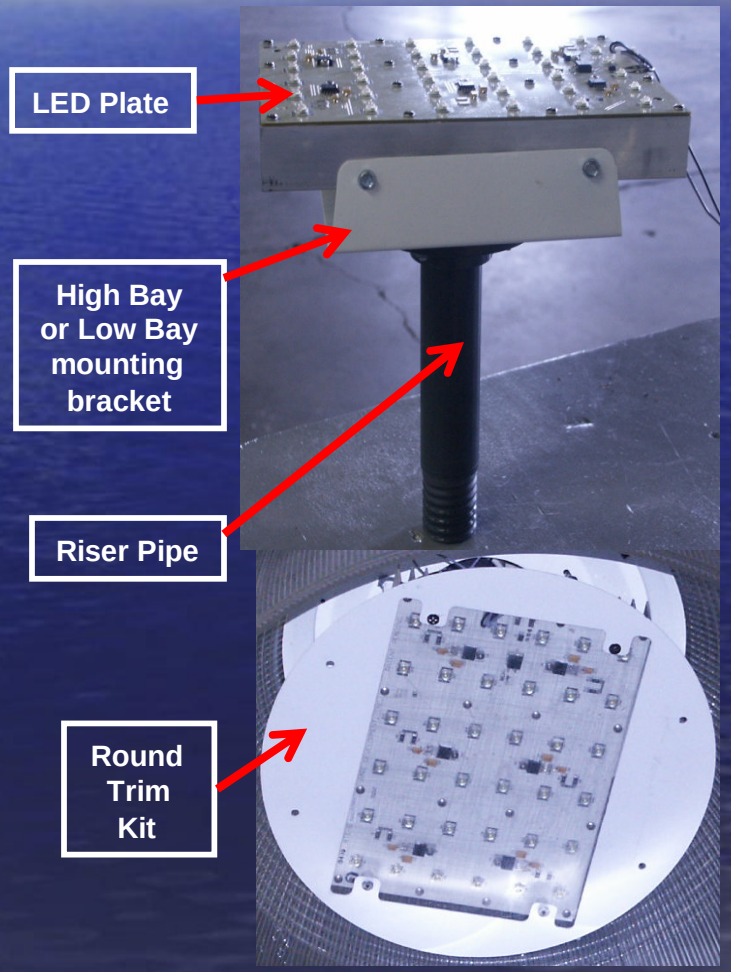
LED HID Retrofit for High and Low Bay Fixtures

- It's important that you have an understanding and general knowledge of lighting and light fixtures. Like any other product there are several manufacturers. Each has a brand and model number and most have industry standard sizes.

- For a High bay or Low Bay retrofit we provide the following:

- LED plate, driver, High or Low Bay mounting bracket (same for both), riser pipe (riser pipe connector screws into the HID bulb socket).

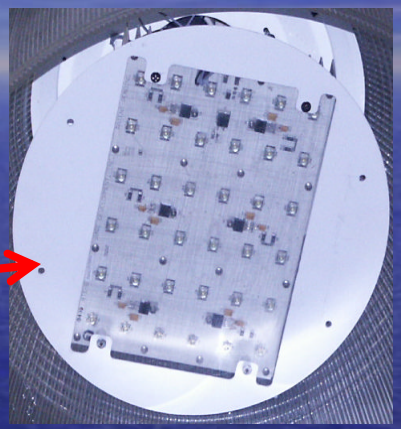
- For us to cut the correct trim plate you have to provide us the fixture diameter. This would be the widest part of the fixture. Looking up from the ground it would be the edge of the fixture.

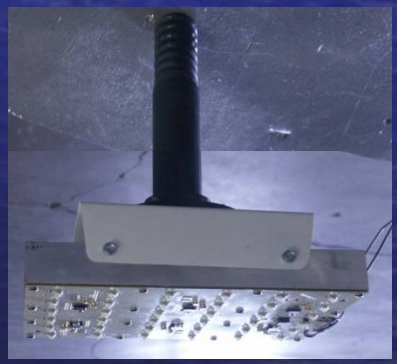


LED HID Retrofit for High and Low Bay Fixtures

The trim kit has multiple purposes. It is designed to prevent dirt or dust access, to prevent birds from forming nests on top of the heat sink, and to provide good aesthetics from below.

If you install a lens on the bottom of the High or Low Bay fixture, there is no need for the round trim kit.





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LED HID Retrofit for High and Low Bay Fixtures

Bill Moldenhauer, inventor, designer and patent holder of this technology, believes in the importance of saving the environment and our energy resources. This includes the environmental benefit of reusing existing fixtures.

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LED HID Retrofit for High and Low Bay Fixtures

Bill's idea was to lower the carbon foot print on the environment not only from the savings in electricity, but also from the reduction in freight - by reusing perfectly good existing fixtures. Both savings are reducing operating costs dramatically for the end user. This is truly a *GREEN* technology.

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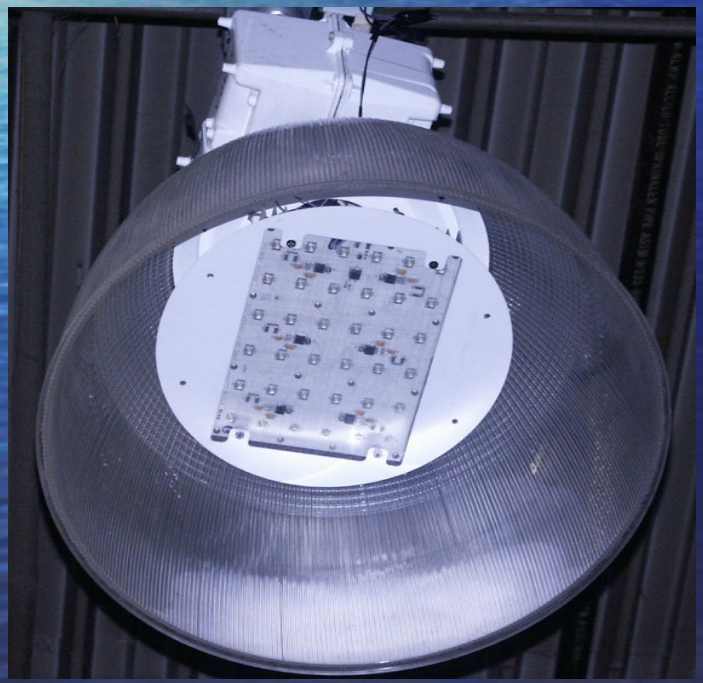
LED HID Retrofit for High and Low Bay Fixtures

Simple, easy steps for retrofitting new or existing High Bay or Low Bay fixtures - changing them from high electric consumption to low electric consumption in just a few minutes.



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LED HID Retrofit for High and Low Bay Fixtures

Installation Safety:

- Disconnect electrical current to fixture. Disconnect security chains and lower the High or Low Bay fixture to a safe working location to start the retrofitting process. (Units can also be retrofitted without taking down).

- Take appropriate precautions. Use all safety equipment required by local, state and federal agencies.

- Only certified electrical contractors should conduct this type of work.

- Follow all manufacturer installation and safety procedures without exception.

LED HID Retrofit for High and Low Bay Fixtures

Installation Procedure:

Properly protect fixture housing as not to damage. Remove HID lamp and discard in an approved container at environmentally approved locations by your state or federal regulators.

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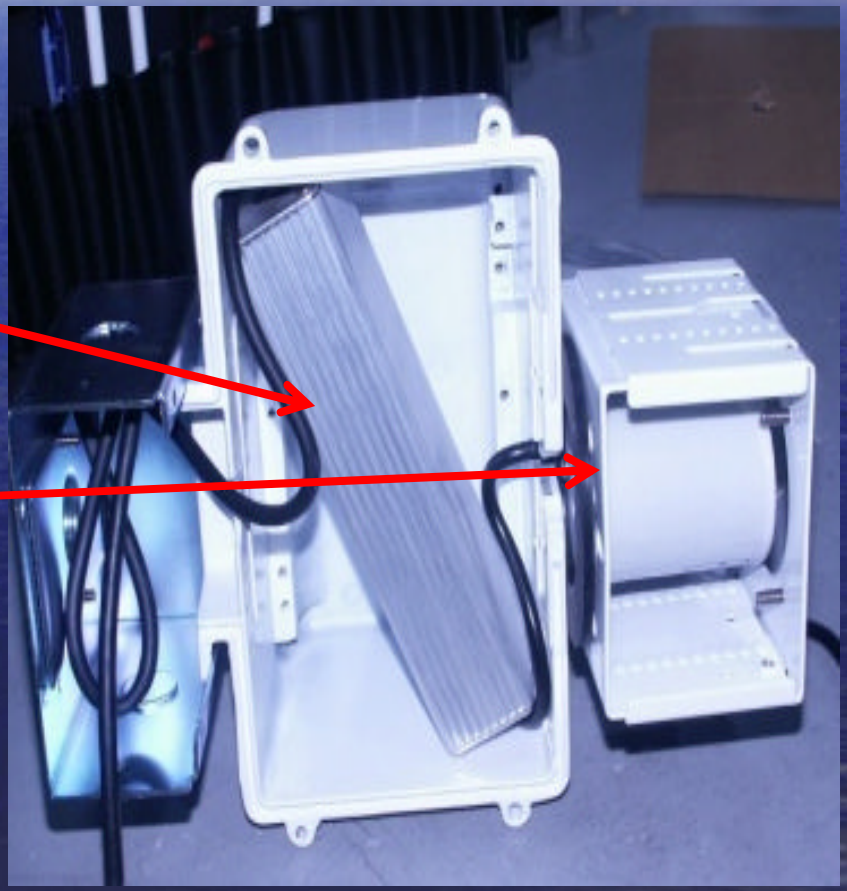
LED HID Retrofit for High and Low Bay Fixtures

Installation Procedure:

Remove screws from ballast electrical box. Remove existing ballast and transformer.
In the same area that old ballast was located, install the LED driver, pass wires to connect with electrical incoming current and pass the LED cables via the removed lamp housing to connect with the LED plate.



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LED HID Retrofit for High and Low Bay Fixtures

Installation Procedure:

Installing this retro fit kit is basically like changing a conventional lamp and ballast. All we do is use the existing fixture and upgrade to LED. IT'S THAT SIMPLE.

Before you screw in the riser pipe and LED plate to the High or Low Bay housing, install the bell housing, then connect the wires and screw on the LED plate via the riser pipe.

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LED HID Retrofit for High and Low Bay Fixtures

It’s as simple as 1, 2, 3. Ready to go……


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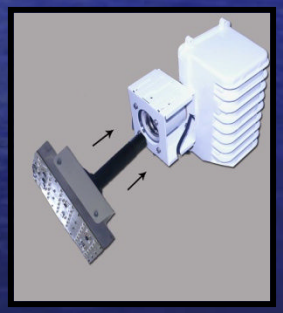
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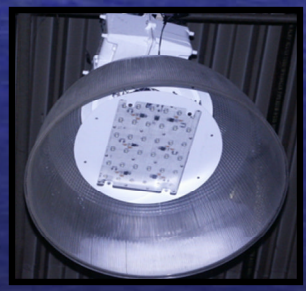

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Sample Display Program

- Demonstration display unit is available with 1 – 29W and 1 – 59W with cords and Watt-meter.
- Can show 29W, 59W and 88W light output and energy use.
- Contact Eco-$mart for details at (888)329-2705