



This Newsletter covers much critical information - so please read and pass along to all your sales and service people and customers! This April 2022 newsletter has various [EXCITING and NEW Overdrive products and also sheds much light on existing field issues](#). It gives a good understanding of how the lighting world has changed over the past 5 years and how these changes have affected lighting in the poultry industry. LED light bulbs are a completely different technology than past lighting sources such as fluorescent, cold-cathode technologies and this technology allows for controllers and dimmers to control light levels that are designed to understand and work with these updated technologies!

Over the past several years Overdrive has seen our lamp and dimmer business continue to grow. With that we have solved many field issues and we've been able to continually reduce our field failure percentages. [We understand that change is hard but there are multiple reasons why having Leading Edge dimmers driving your poultry LED's is creating shortened life, lumen loss, lamp flickering and dark spots with the globe of your LED's](#). During the last 2+ years, growers and distributors who followed our lead with Trailing Edge dimmers – along with Overdrive LED's have seen a decrease in their bulb returns. [Below is information on warranty updates back from Sept 2020](#). This warranty change was made not due to changes in our lamps but what multiple test and extension articles found with Leading Edge dimmers [driving multiple brands of LED bulbs](#). Kind of interesting, it was not just Overdrive facing this problem. As a matter of fact several manufacturers have stopped selling or stopped honoring warranty on their Omni directional LED's when sold into the poultry industry.

**From 2016 (not 2016 made lamps but 16<sup>th</sup> week of 2020 lamp production) if Overdrive Directional beam angled or Omni directional LED lamps are not driven by an approved trailing edge dimmer – there is no warranty.**

**When a Trailing Edge dimmer is used – Overdrive directional lamps have a 5 year warranty and our Omni directional bulbs have a 2 year warranty.**

**All directional beam lamps shipped prior to 2016 date codes will be honored under the full 5 year warranty.**

Overdrive has been fortunate in having several experienced university poultry field researchers team with us to study the unique lamp defective issues of the past 3 – 4 years. **Overdrive has tackled this alone, as other manufacturers did not want to be part of this testing and have simply stated Overdrive has changed our chip components and this is where the bulb problems are arising**. Our testing is complete and we are quite comfortable knowing and understanding what has transpired.

[www.aglights.com](http://www.aglights.com) has a header [– Lamp and Dimmer Compatibility documents](#) with several articles and research papers that describe the current day poultry lighting issues. Everybody associated with lighting should read and study this information! Here are a few major take-a-ways from our field testing:

- a.) **Use only Trailing Edge dimmers**. Do not use leading edge dimmers.  
Dimmers using both type circuits create other issues as many growers ultimately do not know what circuit is being used or when it was changed. We can't warranty our lamps under these conditions.
- b.) **Do not use TRIAC circuit dimmers**. These dimmers were never designed for LED dimming.
- c.) Don't overload the dimmer circuit. Our [Family of Products page](#) – we show the max number of lamps for the 0210 dimmer.
- d.) **Dedicated neutrals** and confirmed earth grounds are most essential. Non dedicated neutrals can introduce noise to the dimmer and lamp circuits and create many lamp issues.



(Continued from Page 1)

- e.) **Lighting sockets should be checked for broken wires, corrosion, age factors.** We have found these must be changed if there are any questions. Typically, if the sockets are more than several years old, they should be visually checked for above conditions. Unchecked lighting sockets can surely cause many lamp problems.
- f.) **Multiple types (wattages) or brands of LED's on the same line** – WILL NOT WORK!
- g.) **If you have a Overdrive dimmer issue** – first thing is to check the fuses to see if this solves the problem.

Overdrive will be introducing several new LED's over the next several months. These models are shown in the attachments. Here is a brief overview of **these new models**:

- a.) **8 watt LED 'reflector feeder lights' – dimmable.** These unique reflector designed LED lamps are specially designed to throw the light farther out so that when mounted on the feed lines or closer to the floor these lights allow more light to be cast across the floor toward the sidewalls. Field testing is ongoing. Overdrive has a 'patent pending' file on the lights! Our reflectors separates our feeder lights from others.
- b.) **16.5 watt A85 – dimmable broiler-breeder LED lamp.** The industry has been moving toward more floor lumens over the past several years. This new 16.5 watt model generates 2200 lumens and fully dimmable. The model uses specially coated silicone chips and improved heat sinks to keep the larger number and higher wattage chips operating temps lower. This allows for longer lamp life. The industry uses Overdrive 20 watt H80 as in both breeder houses in 3000K and broiler houses in 50K for brood lights. A lot of growers and distributors have asked about a dimmable model. This 16 watt model is a great dimmable model with similar light output.
- c.) **16 watt EH80 models.** This is an IP66 rated fixture with 2160 lumens. Not only do we sell the fixture – we also have a junction box as well. These fixtures are perfect for
  - **Outdoor security lighting**
  - **Damp or Wet location areas that require a Fully Enclosed fixture**

Today – there are multiple Jelly Jar type models on the market but when you look at **Overdrive's lumen output, warranty, price and dimmability – you will find we REALLY CAN'T BE BEAT! Our 16 watt model competes with other 25 watt models in the market. That's 9 watts saved at EVERY SOCKET and again – I think you'll find our price is far LOWER!!!** If you already have a junction box – we have an adapter kit to easily take your existing junction box and retrofit it with the threads to screw to the EH80. Overdrive has a full series of EH80 fixtures from a variety of wattages and Dim and Non dim options, along with Warm White and Day Light colors.