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JULY 2022 NEWSLETTER

Overdrive's latest newsletter is focused on Lamp and Dimmer compatibility issues. While we have discussed this many times in the past – it is just as critical today, as it was then. **You will also read about our NEWEST LED poultry Feeder Lights and our EH80 "Jelly Jar" fixtures.**

Our Overdrive engineering lab along with extensive university field testing and other outside research field project testing over the past several years clearly shows that leading edge dimmer design is harmful when applied to LED circuit dimming. LED researchers say that this applies to all LED lamp brands. We also have been told by many of our distributors that all lamp brands are affected! **This is NOT a lamp issue but entirely a dimmer design issue!**

Overdrive LED lamps with date codes of 2016 or newer are NOT covered under our warranty if not controlled by an approved trailing edge designed dimmer. Many dimmers used in the poultry industry have NOT kept up with changing LED lamp and chip technologies. Lamp technologies have continually been upgraded so that the efficacy (lumens per watt) is always moving upward. The biggest change is relative to the chip dynamics.

1. Omni LED's (LED's sold at the big box stores) use a less expensive chip and are of a lesser construction with smaller heat sink areas and their chips are not enclosed with protective coatings. These omni style lamps are designed to be used in residential applications, i.e. table and ceiling lamps. They are NOT designed to be used in a poultry house environment. This is another reason they are significantly less expensive and have a shorter warranty period! The damage to these lamps used in poultry houses happens even more dramatically and over a shorter time frame. ***Ask yourself why an Omni type LED has only a 2 -3 year warranty where the Overdrive directional beam models carry a 5 year warranty. It's all in the design of the lamp...***
2. Overdrive poultry equipment distributors that have switched to trailing edge dimmers have experienced dramatic reductions in field defectives. A large majority of these distributors have voiced that once their installers had a small bit of installation experience... it became a routine install!
3. The Overdrive dimmer model 0210 has several newly enhanced modifications. The field wiring has been simplified by allowing the input terminals to be easily removed and wired - then easily re-connected. This was a previous complaint.
4. Integrators in your areas should be informed of these non-compatibility issues. There are numerous university articles highlighting these lamp/dimmer non-compatibility issues. These should also be sent to your integrators to pass along to their production supervisors. These are listed on our website www.aglights.com.

NOW ON TO THE NEW PRODUCTS:

- If you have growers or integrators that have requested enclosed LED fixtures, please review the specifications on our Overdrive 16EH80. This is a dimmable 16 watt – constant current dimmable that delivers the output lumens of some 25 watt models for 9 watts less! Also available in a non-dimmable model. 5 year warranty if used with an approved trailing edge dimmer. Check out the full spec sheets and models/wattages available www.aglights.com – [poultry products – EH80](http://www.aglights.com).
- Overdrive is just beginning to field test our patent pending '[Feeder LED lights](#)' (spec sheets can also be found on www.aglights.com Watts New section) which are dimmable. These patented LED's have been designed to offer a unique light beam spread that other LED lamps are unable to match. They were designed to put light where animal welfare and integrators /growers want the light. These lights have a special patented internal reflector design but will offer NO warranty unless controlled by an **approved** trailing edge dimmer. We anticipate that once the industry sees the versatility this lamp offers mounting either close to the feeder lines or at a higher mounting height....this lamp will become a heavily demanded lamp. Your clients will surely want a warranty but again, not unless with using an approved dimmer!

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[**www.aglights.com**](http://www.aglights.com)

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