

# CRYSTALUX

AUTOMOTIVE LED LIGHTING

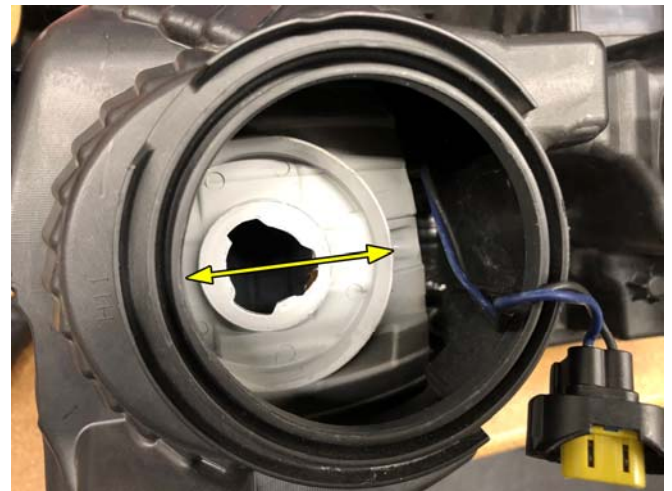
## G11 SERIES INSTALLATION TIPS

### 2015+ FORD F-150 OEM HOUSING

#### LOW BEAMS

The G11 Series bulbs utilize a large fan to cool the LED diodes. The size of the fan may cause an issue when installing the bulb in a 2015+ Ford F-150 OEM Housing. This guide will walk you through the steps to installing the G11 Series bulb in this housing.

The G11 Series fan may touch the side of the housing when installation is being attempted. This may result in the LED bulb not sitting flush with the bulb socket opening. This can be solved by turning the headlight adjustment screw at the top of the housing. Turning this screw will cause the bulb socket opening to move up/down. Turn the screw so that the bulb socket opening moves down, providing enough clearance to install the G11 Series bulb.



With the bulb socket opening moved down you can now insert the G11 Series bulb and twist it into place.

[OPTIONAL]: If you chose to install the CANBUS Anti-Flicker Adapters you'll want to connect the factory wires to the CANBUS Anti-Flicker Adapter. Then connect the LED Driver to the CANBUS Anti-Flicker Adapter and finally the LED Bulb to the LED Driver. If you have the slim CANBUS Anti-Flicker adapters you can push the CANBUS Anti-Flicker Adapter onto the side of the housing (otherwise you may need to make a hole in your rubber cap and feed the CANBUS Anti-Flicker wires through). The LED Driver can go inside the housing as well (if you have room).



Whether you chose to buy the optional CANBUS Anti-Flicker Adapters or not you'll need to cover the bulb. The factory cap can be used (so long as you have sufficient room). The drawback to using the factory rubber cap is that the factory cap sits in the space between the wall of the housing and the LED bulb's fan. This may limit your ability to align your low beams later on. As you turn the headlight adjustment screw the LED bulbs fan will move towards the side of the housing, eventually touching it (or the rubber cap). It is recommended to purchase the optional 83mm rubber caps as they cover the bulb but go around the opening, providing you additional room for alignment. They also provide more space should you decide to add-on the optional CANBUS Anti-Flicker Adapters.

## HIGH BEAMS

During installation of the high beams you may experience some resistance while attempting to lock the high beams into place. This normal. Do not force the bulb into place as you may strip the LED Bulbs set screw. The high beams have 3 torx screws that need to be loosened should you experience resistance while installing the bulbs. Using a T10 torx driver loosen the 3 screws surrounding the high beam opening (1 turn is all you need). Once they are loose you can install the high beam bulb. Once the high beam bulb is installed and locked into place it will feel loose. Simply tighten the 3 torx screws back up to secure the high beam bulb into place.

