Bulb Installation for the Lumen 200 Series

How to Install the Bulb in the Lumen 200 Series.

Safety:

- These instructions should ONLY be used with a Prior LM375 bulb. Use of any other bulbs may cause damage to the unit and is not recommended by Prior Scientific.
- Do not touch the inside of the reflector of the bulb.
- The bulb is delicate and must be handled with care to avoid breakage.
- The bulb contains mercury. **PLEASE READ THE MERCURY SPILL PROCEDURE** (in theLumen 200 Manual, available to download from the Prior Website) **BEFORE INSTALLING THE BULB**.

You will need:

1) Lumen 200 (or variant)
2) Prior LM375 bulb
3) Hex Key

Instructions:

Ensure the unit is not connected to the mains power supply. If used; allow 30 minutes for the bulb and unit to cool before installing a new bulb.

1) Find a flat surface and place the Lumen 200 upside down on the surface.
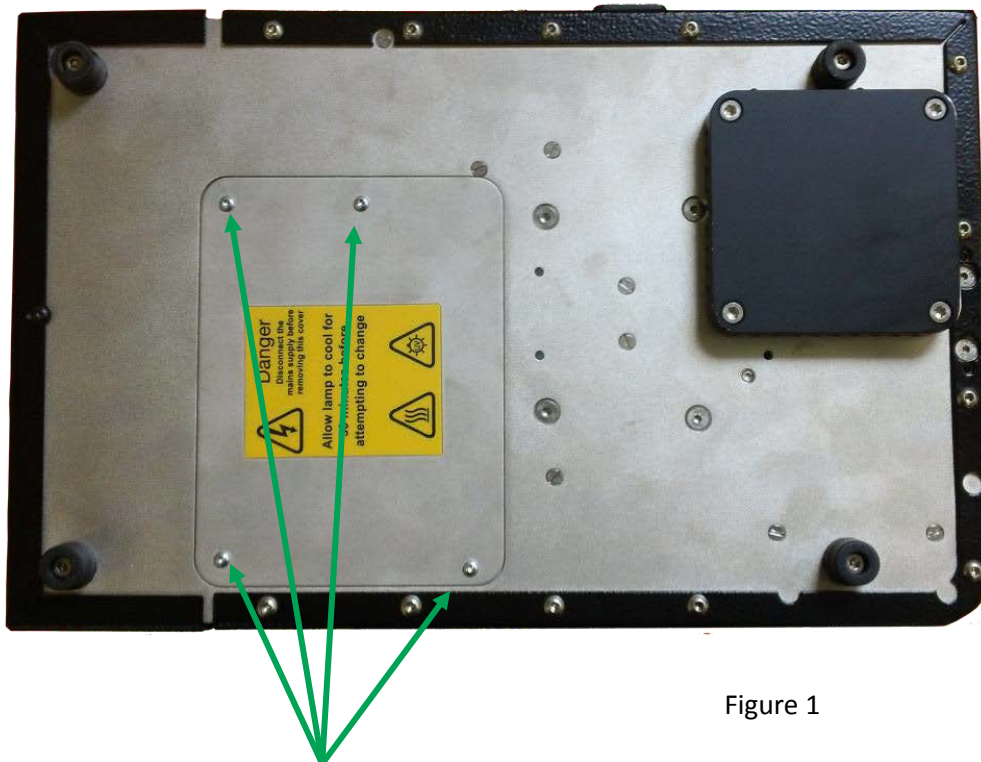2) Unscrew the four Hex screws and remove the panel as indicated in Figure 1 below.

Figure 1

Hex Screws

3) Remove the bulb from the carton by following the procedure detailed below.
   i)   Open top of carton
   ii)   Remove V shaped cardboard holder
   iii)   Push cardboard flaps back
   iv)   Lift bulb out of carton

4) Turn the bulb so that the cables and connector hang down into the bulb chamber. Plug the brown connector on the bulb into the power socket in he bulb housing, ensure it is pushed firmly into position.

5) This will orientate the bulb with the Printed Circuit Board and data socket facing upwards – see Figure 2.

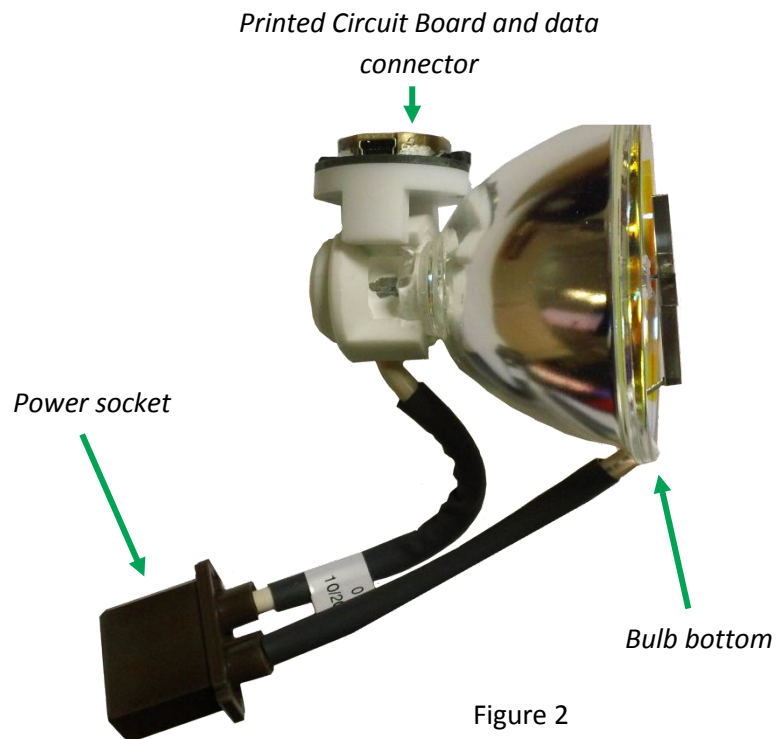*Printed Circuit Board and data connector*

Power socket

Bulb bottom

Figure 2

6) Locate the bottom of the bulb and ensure it is placed into the groove at the bottom of the lamp housing. See Figure 3 for an internal view of the bulb housing.
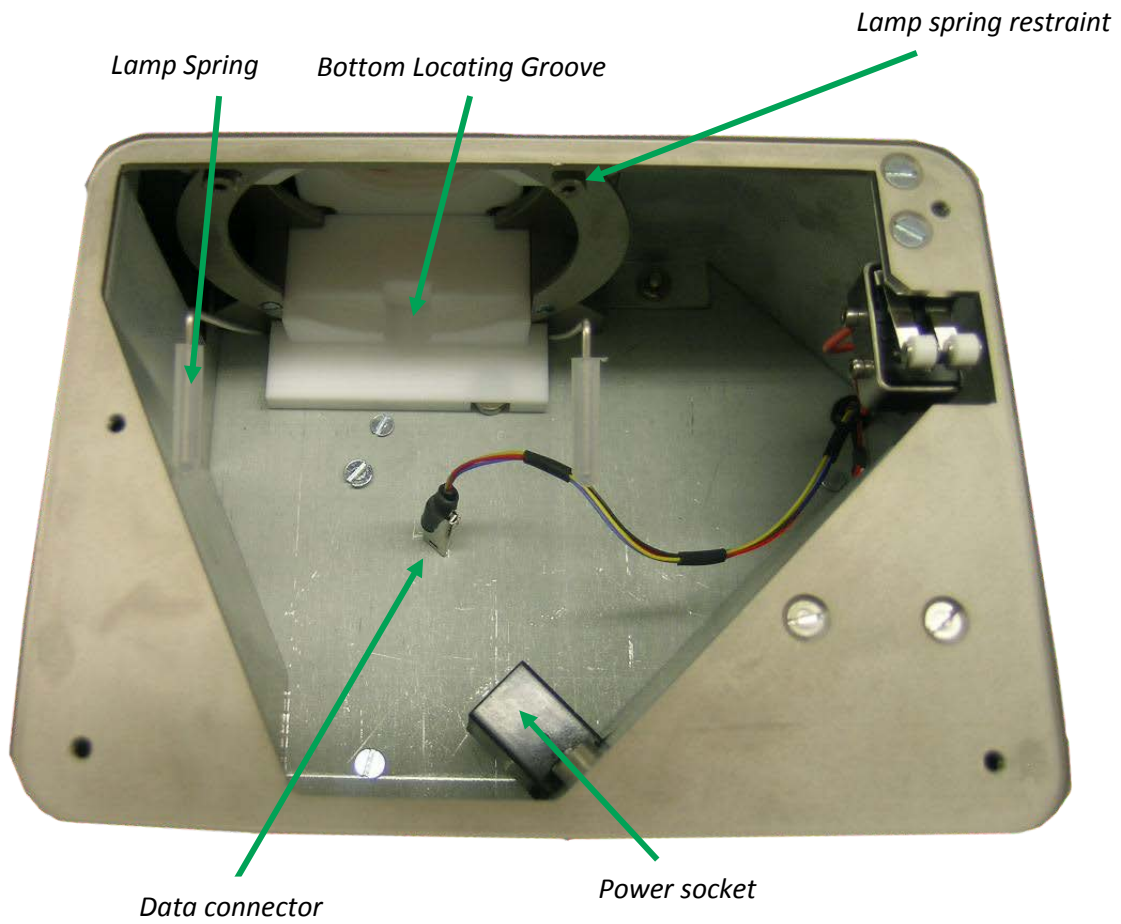
Lamp Spring   Bottom Locating Groove   Lamp spring restraint

Data connector   Power socket

Figure 3

7) Lift the spring into the bulb, as you do so the bulb will be pushed into the correct position. Click the springs all the way into the Lamp Spring restraints. See Figure 4.
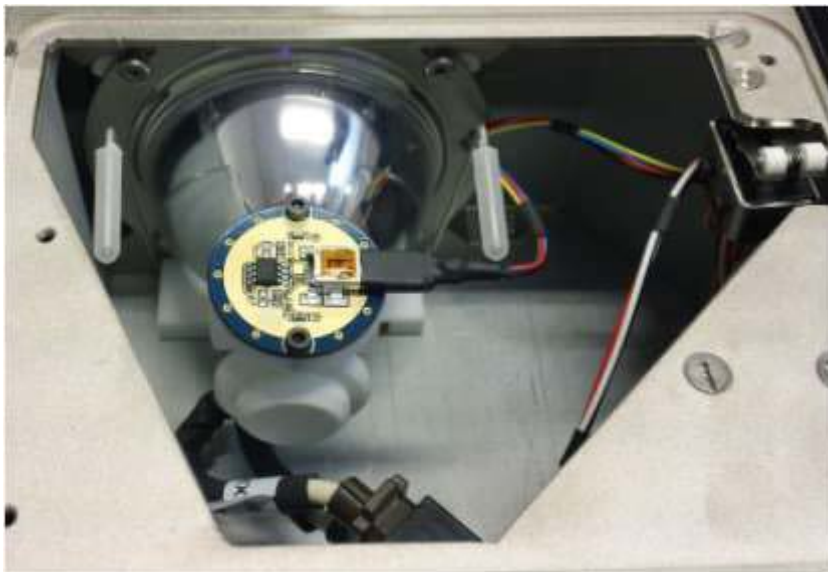

Figure 4

8) The bulb is now vertically held in place. Plug the data connector into its socket on the Printed Circuit Board (Figure 5).
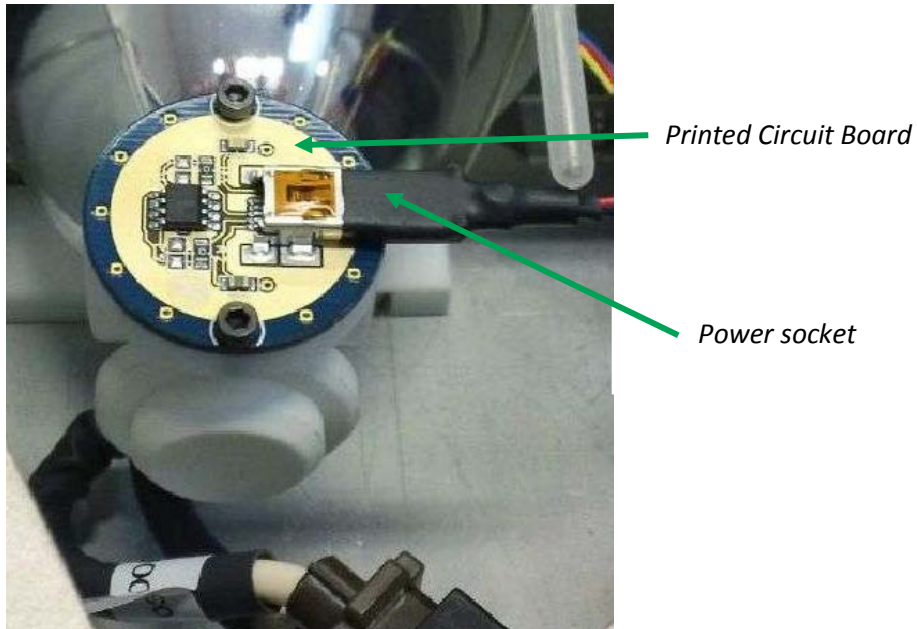

Figure 5

9) Replace the bulb housing cover and replace the four hex screws.