

PRODUCT SUPPORT TECHNICAL BULLETIN

January 24, 2024

Notice: UV Bulb Harness Change for Electronic Ballast

Affected Models: WL270/290, Ecostream IT units, WL3IT, Aramark IT units

Cause: WaterLogic has changed newly produced units to an electronic ballast to power the UV bulbs, to help alleviate premature fatigue of the bulbs. These new ballasts use a different wired connection than the previous glow-start bulbs. Replacement bulbs will ship with the new wire harness compatible with the Electronic Ballast, but the harness can easily be swapped with the glow-start harness on the bulb itself to make it compatible with the older magnetic ballast.

Shown below are the differences between the bulbs setup for the Electronic Ballast, or E-Ballast, and the older glow-start setup for Magnetic Ballasts. (An 8w bulb is used as an example, but the same applies to 4w bulbs as well).



Solution: If a Glow-start bulb needs to be replaced, and one of the E-Ballast bulbs is sent as the replacement, the harness from the old bulb can be simply transferred to the new bulb.

Process: Approximately 5-minute harness swap.

1. Take the glow-start bulb, and remove the wire leads from the connector posts on the bulb. Grasp the leads firmly and pull off the posts, one at a time. Be sure to touch the bulb glass as little as possible, or wear gloves. Oil from our skin can cause issues with the bulbs.



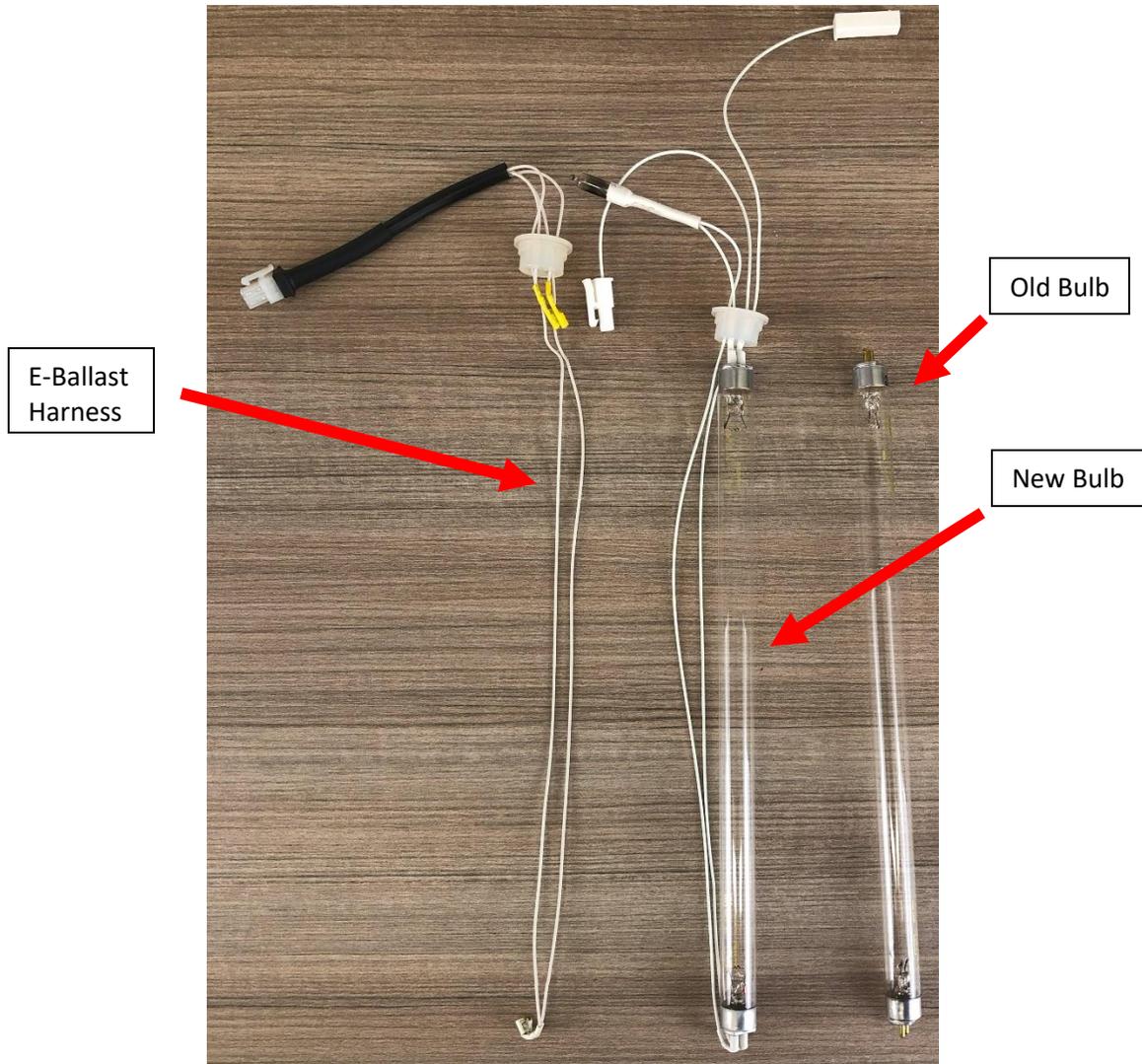
Old bulb to be replaced;
Remove the glow-start
wire harness.

2. Remove the harness of the E-Ballast bulb in the same fashion.



New bulb to be installed;
Remove the E-Ballast wire
harness.

3. Now, install the glow-start harness onto the new (replacement) bulb. Both long leads connect to one end, and both short leads connect to the other. There is no polarity on the harness, so there is no incorrect lead-to-post combination.



4. The new bulb with the glow-start harness can now be installed into the unit. Again, this process is the same regardless of the model or bulb size.
5. The old bulb and the E-Ballast Harness can be disposed of in compliance with local regulations.