

Stryker Xenon Lamp Replacement Guide – X8000 & X7000

LuxteL is able to provide you with suitable Lamps for your Stryker X8000 and X7000 Lightsources. We offer Lamps and Lamp Assemblies which include Heatsinks with Lamps. We are not able to offer the entire Module or re-set your Timer.

If your Lamp has a threaded screw base (see figure 5) we are not able offer that Lamp, but we can supply you an Assembly which will work perfectly in its place.

LUXTEL OFFERS LAMP ASSEMBLIES AND LAMPS

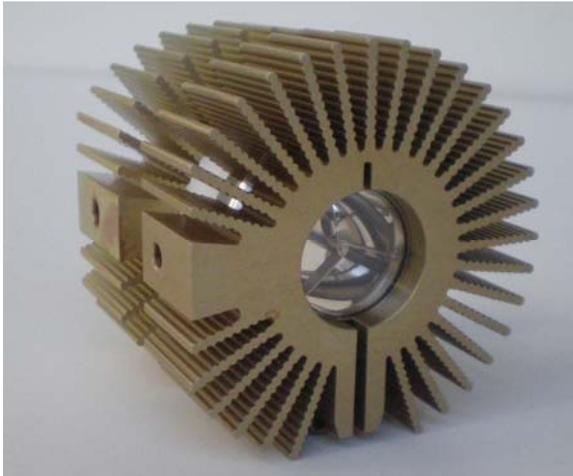


Figure 1
CL1567
Replacement Assembly for X8000



Figure 2
CL1495
Replacement Lamp for CL1567/X8000

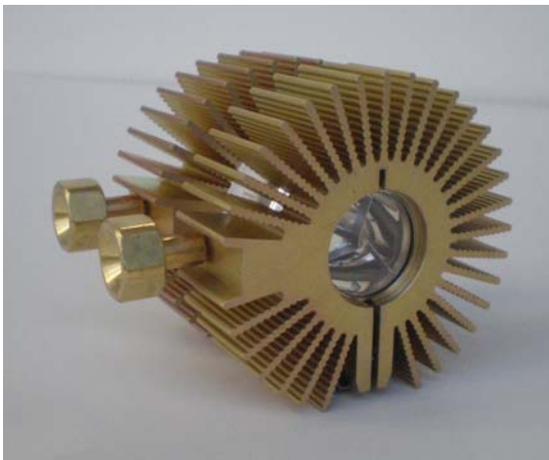


Figure 3
CL1571
Replacement Assembly for X7000



Figure 4
CL1492
Replacement Lamp for CL1571/X7000

OEM ROADBLOCKS FOR THE END USER

The small screw base style Lamp shown in Figure 5 is not available to the aftermarket, except when purchased in a complete OEM Module. The OEM forces you to overpay for the Module while disregarding the potential to re-use or recycle all the Module hardware, such as the housing, heatsinks and connectors.

Additionally, the use of password protected chips, RFID tags and non- resettable timers force end users back to the OEM.

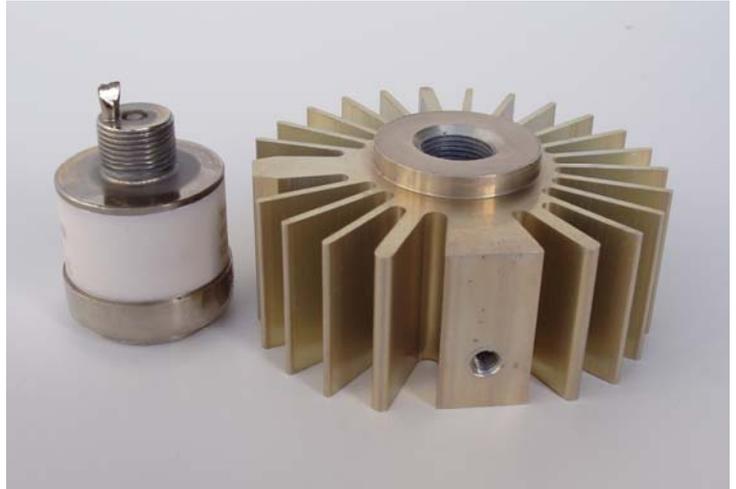


Figure 5

NOTE: If you use the Luxtel Lamp Assembly, you must re-use the Housing. This means the Lamp Timer will not be re-set. If you can live with saving up to \$1000 per Lamp replacement, you may also be able to live with ignoring the Lamp life indicator.

Module Timers (RFID chips and iButton data loggers)

The purpose of these devices is to measure time elapsed during the Lamp lifecycle and to encourage you to replace the Module after a set time period. They also record the serial # of the module so that the light source will “reject” the same module being used twice in succession, just as a simple Lamp replacement would require!

Successful countermeasures for the Stryker X7000 RFID chips include:

- swapping housings amongst different units, the light source sees a new unique serial number and re-sets the time accordingly
- degaussing the RFID chips; some field reports indicate success just leaving the housings out of the units for extended periods of time
- recording the time when Lamp replacement occurs, thus ignoring the actual time shown on the light source, and subtract the start time from current display time to discover elapsed time. You need to make the decision about when to replace the lamp.

NOTE: The Heatsink Assemblies for the X7000 and X8000 are unique and different from each other in the location of where the Lamp sits within the Housing and mechanical fit. Therefore, do not intermix the Heatsinks from either system, this will cause alignment issues with the focused output of the Lamps.

First Time Replacement Procedure

Remove the Brass Connectors. For the X8000, save the Connectors and re-use. The CL1492 for the X7000 comes with new Connectors. Slide the Lamp and Heatsinks out of the Housing. The Lamp Housing will be re-used. Slide the LuxteL Lamp Assembly into the Housing while lining up the Heatsink Assembly such that the tapped holes align with the openings in the Housing. Re-insert the Connectors and tighten (max. torque of 16 in-lbs).

The LuxteL Lamp Assembly will focus the Lamp's output at the correct spot thus creating a more affordable and eco-friendly solution for lamp replacement vs. entire Module replacement.

For future Lamp replacements order the appropriate Lamp, CL1495 for the X8000 or CL1492 for the X7000 and follow the Lamp replacement instructions below.

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Lamp Replacement

When performing Lamp replacement, it is important to properly apply thermal grease or compound to those areas of the Lamp that mate with Heatsinks. This compound is designed to lower the thermal impedance of air gaps between these surfaces. A thin layer is all that is needed between mating metal parts. A thicker layer should be applied to the ceramic area that mates with the rear Heatsink. Reference Figure 6.

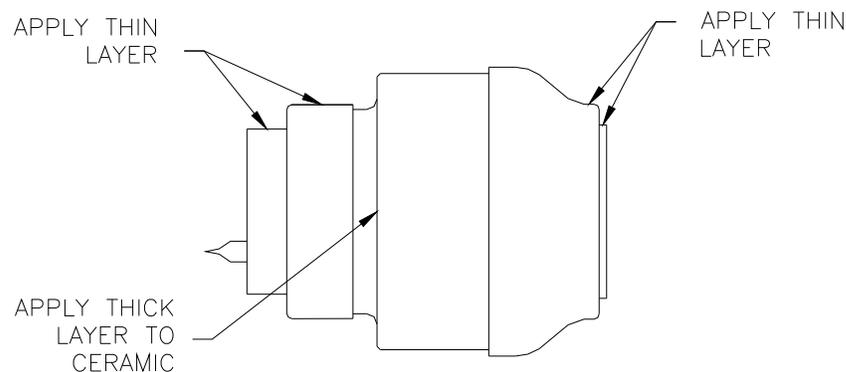


Figure 6.
Thermal Compound Application

Do not apply the compound to the Lamp window. Any compound on the window should be removed with a lint free tissue paper. If needed moisten the tissue with isopropyl alcohol or xylol/xylene if available.

Warranty

LuxteL has been making replacement Lamps since 2001, we are confident that our replacement Lamps are fit for the purpose for which we recommend them when installed as instructed. We are pleased to field questions from customers to enable them to retrofit our eco-friendly, cost effective products. Lamp life will match the OEM products when installed as instructed.