



## Copper/Zinc Hollow Cathode Lamps

### NOTE

NOTICE: This document contains references to Varian. Please note that Varian, Inc. is now part of Agilent Technologies. For more information, go to [www.agilent.com/chem](http://www.agilent.com/chem).

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### Information

These lamps are of a new improved design offering increased intensity:

- Coded – part number 56-101192-00
- Uncoded – part number 56-101293-00

The recommended lamp current is **4 mA**, this is reduced from the previous recommendation of 7 mA. The lamp may, however, be used with Agilent/Varian instruments with current settings ranging from 2 to 5 mA depending on your analytical requirements. The maximum operating current is **10 mA**.

A small loss in sensitivity, (compared to earlier designs), will be experienced if the lamp is operated at the previously recommended 7 mA current setting.

Equivalent or better sensitivities will be obtained by operating at the lower current settings. Lower current settings will also help extend lamp life.

Reducing the lamp current will cause an increase in photomultiplier voltage. For a given current setting this new design will result in a lower photomultiplier voltage than those observed with earlier designs.

To determine the optimum lamp current for your particular analysis vary the lamp current in 1 mA steps. Determine the sensitivity and % RSD at each setting. Use the setting that best meets your analytical needs.



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This information is subject to change without notice.



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