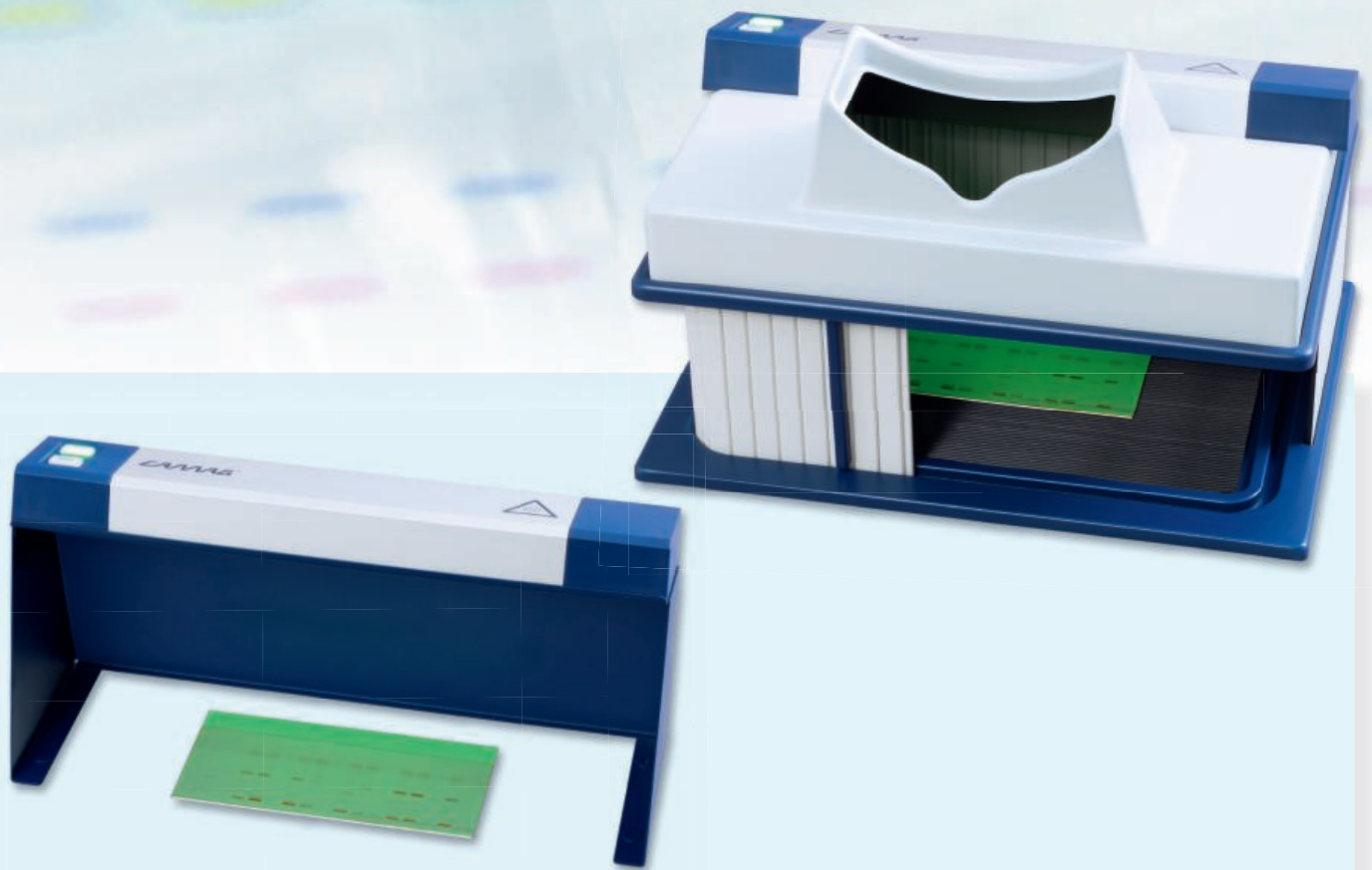


CAMAG UV LAMP 4

CAMAG UV CABINET 4



CAMAG UV Lamp 4

- Homogeneous illumination
- Improved user safety through tilt sensor and timer
- Two UV tubes for illumination (1 × UV 254 nm and 1 × UV 366 nm, each 8 W)
- Convenient handling through one button operation for each UV tube

CAMAG UV Cabinet 4

- Chromatogram inspection with minimal influence of ambient light
- Eye protection through UV filter in the viewing window
- Minimum space requirements through compact footprint



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PLANAR CHROMATOGRAPHY

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CHROMATOGRAM INSPECTION UNDER UV LIGHT WITH CAMAG UV LAMP 4 AND CAMAG UV CABINET 4

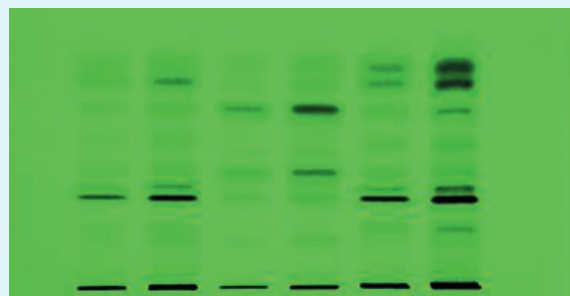
The **CAMAG UV Lamp 4** is designed primarily for use in a TLC laboratory, but it is likewise suitable for various other applications. Users benefit from a user-friendly and more convenient one-button operation for each UV tube. In order to reduce the user's risk of UV radiation exposure, the CAMAG UV Lamp 4 is equipped with two safety features: in addition to the built-in timer (which automatically switches off the lamp after 10 minutes) a tilt sensor automatically turns off the lamp in case the lamp is tilted more than 30 degrees. Beyond optimized handling and improved safety features, the CAMAG UV Lamp 4 comes with a more homogeneous illumination and higher UV light intensity.

The **CAMAG UV Cabinet 4**, a combination of the CAMAG UV Lamp 4 and the Viewing Box 4, is specially designed for UV observation with minimal influence of ambient light. Thanks to a reduced footprint, the CAMAG UV Cabinet 4 requires only minimum space. The observation port has a built-in UV filter in the viewing window ensuring effective eye protection. The interior is accessible via a roller shutter on the front.

Two types of UV light are required for inspecting thin-layer chromatograms:

Short-wave UV light 254 nm

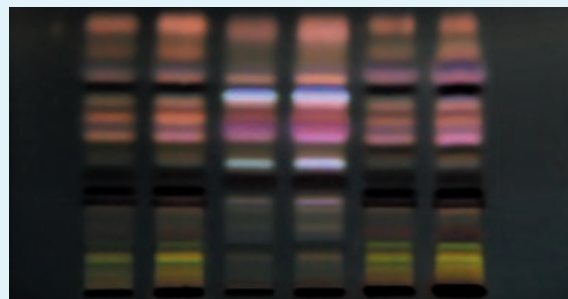
Under UV 254 substances absorbing at that wavelength become visible by fluorescence quenching (TLC plates with fluorescent indicator). These substances appear as dark spots on a bright background.



Chromatogram under UV 254 nm

Long-wave UV light 366 nm

Under long-wave UV light substances that can be excited to fluoresce appear as bright spots, often differently colored, on a dark background. The sensitivity of this detection method increases with the intensity of the UV light and also as more visible light is eliminated.



Chromatogram under UV 366 nm

Ordering Information

- 022.9160 **CAMAG® UV Lamp 4, 254/366 nm, 2 x 8 W**
- 022.9165 Stand, for CAMAG UV lamps of the 022.91XX series
- 022.9060 **CAMAG® Viewing Box 4**, for CAMAG UV lamps of the 022.91XX series
- 040.2000 **CAMAG® UV Cabinet 4**, incl. CAMAG® UV Lamp 4 and CAMAG® Viewing Box 4
- 022.9146 12 V DC adapter cord

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