



HEILAND VISION
GERMANY GMBH

LED cold light source

Order no.: **LED-LEITZ V35 xxxx**

Replace the current light source of your enlarger with a long-term stable modern LED panel light. Individual adaptation to your enlarger is already included.

Using LEDs with the primary colours red, green, and blue allows controlling white light for focusing, as well as controlling any colour separately. Even mixed light consisting of green and blue is possible. The luminous colours are adjusted for multigrade and colour papers and deviate at most +/-2 nanometer from the specified wavelength.

Precise switching on and off is easily possible even without a shutter. Gradation and intensity can be adjusted reproducibly.

Version for Leitz V35

Both, the bulb and the filter module are replaced by a high intensity LED. The existing mixing box remains in the enlarger.

The module is installed by the user. Stabilised power is supplied via our LED control unit. Thus, the power supply is independent of the original transformer.



When ordering, please choose your preferred version of controlling the light source:

- **B&W Multigrade:** The exposure time is controlled by any timer or an analyser. All other settings like luminous colour, paper grade and intensity are controlled by rotary knobs on the control unit. Order code is LED_CTRL_CLASS.
- **B&W Splitgrade:** Control by a Heiland Splitgrade system via an interface. All adjustments are made at the Splitgrade control unit. This is the most convenient solution for your darkroom. Order code is LED_CTRL_SPLIT
- **Colour**
The exposure time is controlled by any timer. The colour of light output is controlled either in an additive or subtractive filter mode in a range from 0 to 400.
Order code is LED_CTRL_COLOR.

An overview of the benefits:

- Full contrast control of gradation 00 ... 5
- No light drift: stable light from 0.1 seconds on guarantees reproducible enlargement
- No fan: enlargement without vibration, noise, or dispersion of dust
- No heating of the negative, which prevents focus shift
- Easier positioning of paper and tools for dodging due to an integrated red light
- Extremely exposure- effective - allows significantly shorter exposure times than halogen light
- Variable exposure intensity for different magnification scales
- Replacing lamps is no longer necessary
- White light facilitates focusing
- Even illumination up to the corners
- Ideal solution for archives – no thermal strain of glass-plate negatives
- Long-living, solid metal construction