

LVK Analysis Kit

For luminous intensity distribution curve measurement with LumiCam series

Key features at a glance

- ▲ Quick and easy setup
- ▲ Wide measurement range
- ▲ Solid and stable construction
- ▲ Compatible with LumiCam series and Instrument Systems test sockets
- ▲ Fully integrated with LumiCam software

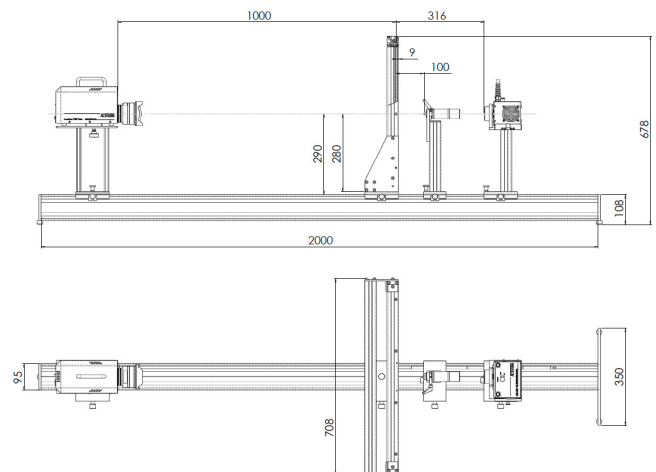


The LVK analysis kit is the perfect add-on for a quick and precise determination of luminous intensity distribution curves with the LumiCam imaging colorimeter. It consists of an optical bench (length 2 m), an opaque screen (effective width 610 mm, effective height 480 mm) and riders to accommodate LumiCam and light source.

\\ QUICK & PRECISE MEASUREMENT

Just take a single measurement of the opaque screen back lit by the light source with the LumiCam and let the software calculate as many luminous intensity distribution curves as you want to. Typical measurement times are around one minute – no matter how many curves are to be calculated. The distance between camera and screen and the distance between screen and light source can be easily adapted in a wide range according to your needs. This way the setup can be adjusted individually to the emission pattern of the light source under test and to the solid angle of interest.

With a measurement angle up to 65° a wide range of the emission pattern can be analyzed quickly. The system already includes a laser for exact indication of the intensity center. After a quick disassembly the components can be stored in a space saving manner. An optional cover is available to protect the screen from dust and staining.



- ▲ *The LVK analysis kit for the measurement of luminous intensity distribution curves, complete with a bench, an opaque screen, a carrier for a LumiCam, a carrier for a light source, a light source and a laser with a carrier.*

\\ TECHNICAL SPECIFICATIONS

LVK analysis kit	
Compatibility	LumiCam Series, test sockets LED- 81x, LED-85x, LED-5xx and LED-6xx
Angular range	-65° to 65°
Angular accuracy	±1°
Color coordinate uncertainty x, y	0.01
Measurement time	~1 min
Accuracy of luminous intensity measurement	< 5%
Overall size (L x W x H)	2,000 mm x 708 mm x 678 mm
Measurement area screen (W x H)	610 mm x 480 mm

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\\ ORDERING INFORMATION

Order number	Description
LC-LVK-100	Optical bench and screen for measurement of intensity distribution curves with LumiCam
LC-LVK-110	Carrier for LumiCam for setup for measurement of intensity distribution curves
LC-LVK-120	Carrier for LED test sockets for light distribution curve test setup
Options	
On request	Carrier for other test sockets