INTRODUCTION

The Image Engineering LE6 USB-Interface is an hardware interface for the LE6 integration sphere. It allows to measure and control the illumination level automatically by using a PC.

INSTALLATION GUIDE

1. Installing Hardware drivers
   Run setup.exe in the Hardware Driver folder and follow the instructions.

2. Connecting Hardware
   Connect the USB-Interface to your PC, two more Hardware drivers will be installed automatically.

3. To run the software, Matlab Component Runtime is required
   Run MCRInstller.exe in the MCRInstller folder and follow the instructions.
   This will install the Matlab Component Runtime on your system, if necessary.

4. Copying program files
   Copy the folder USB-Interface Software on to your harddisk.

SETTING UP THE HARDWARE AND CONNECTING TO LE6

Plug the grey control cable into the 8-pole connector and the black measuring cable into the BNC connector.
Turn the rotary switch to the left stop position (position A or USB operation).
Switch on the power switch and the luxmeter switch.
RUNNING LE6 USB-INTERFACE SOFTWARE

Run the LE6_USB_Interface.exe you will find the file in the USB-Interface Software folder you already copied to your harddisk.

CALIBRATION PANEL

Push the button Start Calibration to figure out what the possible illumination is. It is recommended to run a calibration after you started the software the first time, whenever there is a change of ambient light or you change the testchart, you should do a calibration, too.

CONTROL PANEL

Type a value (in lx) and press the Go to button, to get to the defined illumination. The value must be within the possible range. The Slider is another option to control the illumination.

TEST SERIES PANEL

Create a list of illumination points and define the type of stopover you want to use. After you created a list, press the Start/Stop Test Series button to run your test series. The last testseries you used before closing the program, will be saved for the next session.