

LED Colour Testing Device

Type	Article number	L x W x H (mm)	LED colours
LED colour tester	5 0009 998	290 x 60 x 60	○ ● ● ● ●

Description

The LEDtester is an electric device that generates coloured light within a light compartment using light emitting diodes (LEDs) as light source.

The LEDtester makes it easy to generate coloured LED light to test the luminous effect of backlighting different acrylic glass panes.

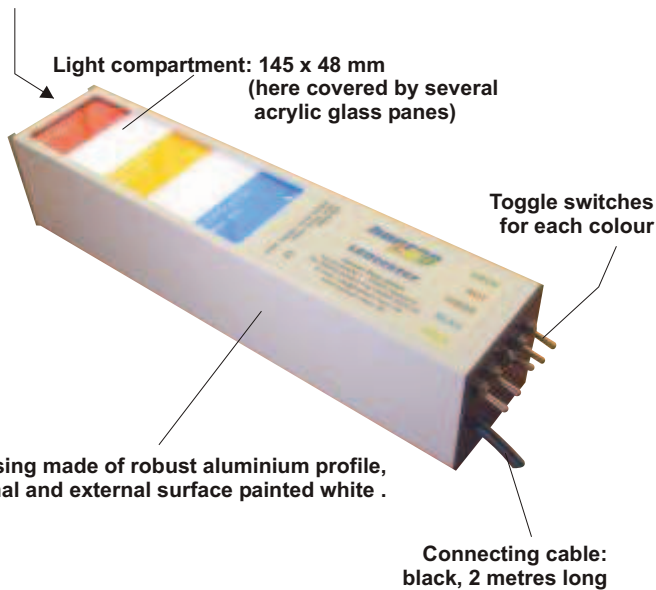
The included acrylic glass panes made by Degussa/Röhm (the so-called sample chain) can be backlit with different light colours for comparison. Of course, other acrylic glass panes can also be used.

By switching on two or more light colours, mixed colours can be generated that significantly increase the spectrum of available LED colours.

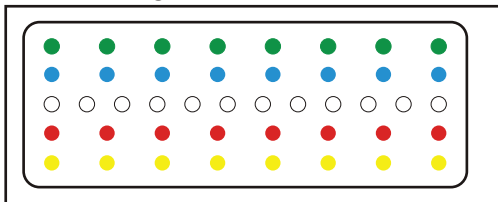
The LEDtester has an integrated power supply unit supplying the LEDs with the required voltage and rated current (galvanically separated from the mains).

The acrylic glass panes are inserted from the front

Dimensions: Length: 290mm
 Width: 60mm
 Height: 60mm



LED row arrangement



The light compartment contains 5 rows of LEDs with the colours
 WHITE, BLUE, GREEN, RED, and YELLOW.

The white LED row comprising 12 LEDs is located in the middle with two rows of 8 LEDs of the other colours arranged on either side.

The LEDs are operated at rated current, i.e. WHITE/BLUE/GREEN at 24mA and RED/YELLOW at 40mA.

Each group of LEDs can be switched on and off by means of a toggle switch located on the side of the housing. This allows several or all colours to be switched on at the same time.

The LEDs are arranged in such a way that a very uniform colour mixture is achieved.

Example:
 PURPLE light is generated by mixing BLUE + RED

