

LIGHT BOOTH

TYPE LBM-B

GENERAL DESCRIPTION

Lighting booth for visual assessment and comparison of colors. Used to compare color variations and metamerism on samples.

Four (or five) standard light sources (daylight, fluorescent, incandescent and ultraviolet light), with hour-counter to control service life of each lamp.

Automatic sequences to switch on several lamps one after the other (programmable).

Four standard illuminants:

D65 - artificial daylight

lamp with color temperature of 6500 K

TL84 - cool fluorescent store light

lamp with color temperature of 4000 K

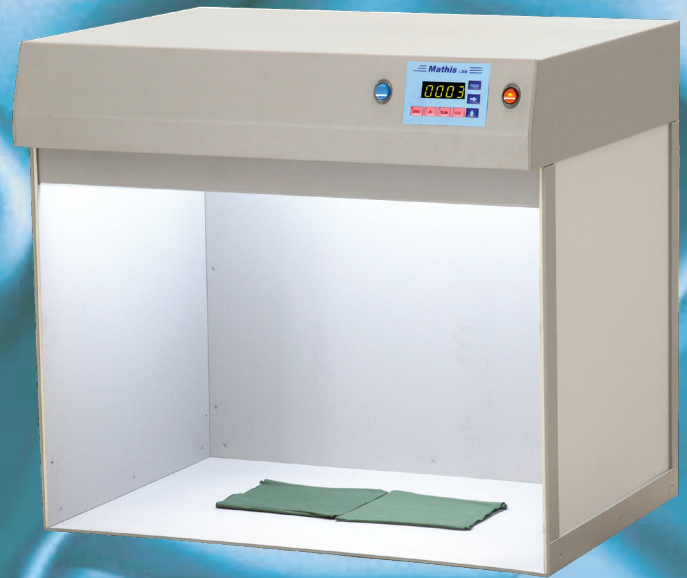
A - home light

incandescent lamp with color temperature of 2856

UV - ultraviolet lamp

to evaluate optical brightener and fluorescent dyes

The ultraviolet light can be switch on alone or simultaneously with the daylight lamp.



5th optional lamp

Optional: a fifth illumination lamp can be installed on the light booth
D50 - artificial daylight, lamp with color temperature of 5000 K, or
D75 - artificial daylight, lamp with color temperature of 7500 K, or
H - horizon light, lamp with color temperature of 2300 K, or
CWF - store light, cool fluorescent lamp with color temperature of 4150 K.

TECHNICAL DATA - TYPE LBM-B

booth interior	Munsell N7 grey color (low gloss)
Power	0,2 kW
Electric feeding	1 x 220 V , 50/60 Hz
Dimensions (external)	W 65,5 x L 49 x H 58 cm
Dimension (internal)	W 63 x L 42,5 x H 40,5 cm
Weight	12 kg

* Light booth is delivered in parts, and must be assembled by customer.

ADDITIONAL INFORMATION

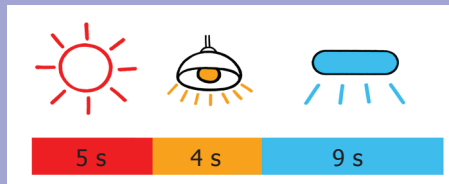
Lighting booth for visual assessment of colors under reproducible color matching conditions, using standard light sources to identify color variations and metamerism, according to ASTM D-1729-96 norm.

When switching over from one lamp to another, both stay on together for half a second, to avoid a harsh change of light incidence when evaluating the samples.

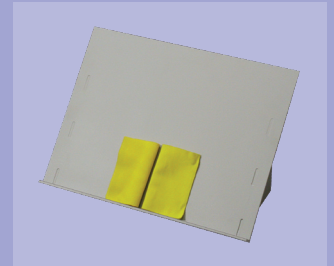
Three automatic sequences to switch on up to 5 lamps one after the other can be programmed. The time each lamp will stay on is programmable as well. Any sequence can be set in looping. Main sequence can be switched on / off by rapid button.

Digital microprocessor on panel with individual hour counter for each lamp, to assure the quality of the spectral energy distribution. When switching on any lamp the digital display automatically shows the number of hours it has already been on. When coming to its end of life-time the lamp exchange is required on digital panel. In case of no power supply the number of hours of the elapsed lifetime of lamps is kept in memory through internal battery.

Example of sequence to switch on 3 lights, one after the other, each during a determined time:



Accessories:

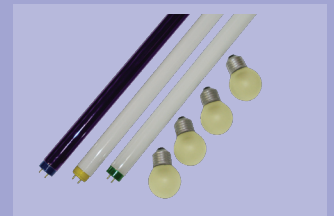
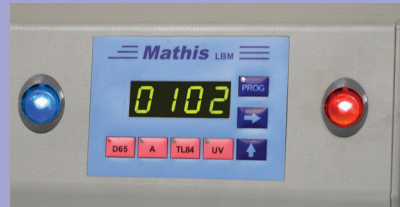


sample holder with 45° angle



optional 5th lamp

Example of display daylight lamp with 102 hours of use.



replacement kit of lamps

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