

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.

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

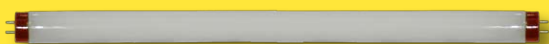
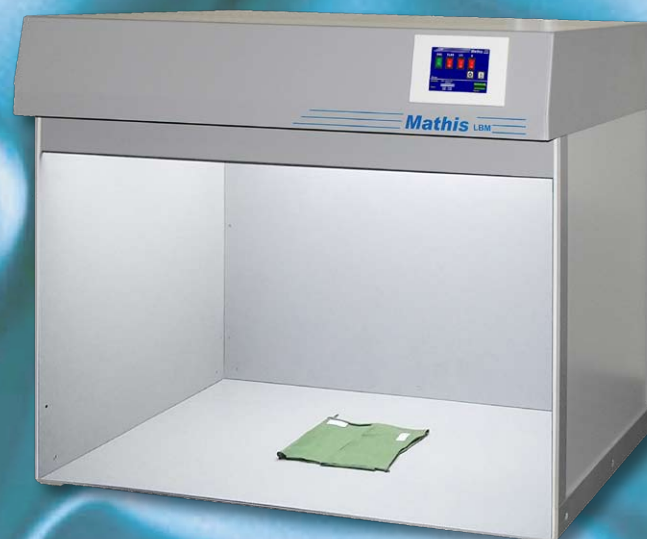
A - home light

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 60 cm
Dimensions (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

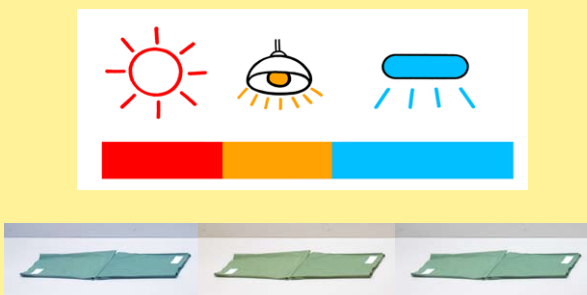
Lighting booth for visual assessment of colors under reproducible color matching conditions, using standard light sources to identify color variations and metamerism, according to ASTM D-1729-96 norm.

The light booth should be used for all visual evaluations, to guarantee standardized and constant illumination of the inspected samples.

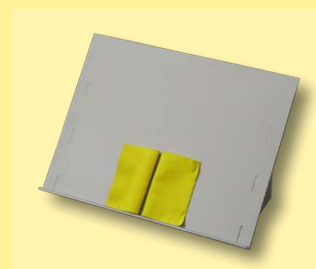
When switching over from one lamp to another, both stay on together for half a second, to avoid a harsh change of light incidence when evaluating the samples.



Example of textile samples visualized by three illuminants:



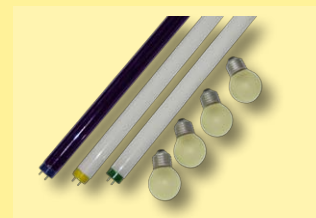
Accessories:



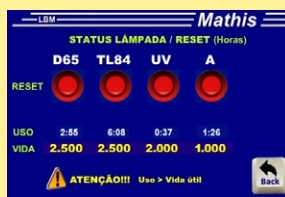
sample holder with 45° angle



optional 5th lamp



replacement kit of lamps



Digital touch screen controller on panel with individual hour counter for each lamp, to assure the quality of the spectral energy distribution. Number of hours the selected lamp has already been on can be seen.

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.

Werner Mathis AG
 Rütisbergstrasse 3
 CH-8156 Oberhasli/Zürich, Switzerland
 Telefon 41(0)44-852 5050
 Telefax 41(0)44-850 6707
 E-Mail info@mathisag.com
 Homepage www.mathisag.com

Aparelhos de Laboratório Mathis Ltda.
 Estrada dos Estudantes, 261
 06707-050 Cotia - SP, Brasil
 Tel: 55 (0)11 3883-6777
 Fax: 55 (0)11 3883-6750
 E-mail: mathis@mathis.com.br
 Site: www.mathis.com.br