

光源箱

Multi-source lighting booth for visual color assessment

用于颜色评估的多光源照明展台



Absolute confidence with metamerism detection

绝对可信的同色异谱分析





ACCURATE EVALUATION

LUXOR-X is the modern lighting booth for accurate visual appraisal of color and chromatic variation for any surface and opaque material. It complies with the technical specifications of AST D1729-96 (reapproved 2003) directives pertaining light sources and their spectral power distribution, illumination and viewing geometry, surrounding interference with the specimens, and apparatus maintenance.

MONITORING OF METAMERISM

Artificial daylight, Store, Home and UV light sources are available in the same apparatus to accurately estimate the metamerism effect, i.e. the visual color change when samples are illuminated under different light sources.

VERSATILE USAGE

A digital lamp timer is mounted to track lamp aging of each source type. A LCD interface promptly advises when to re-lamp in order to avoid that variation of spectral power distribution due to aging could negatively affect the visual color impression.

An optional 45 degree viewing table prevents from observing the light source specularly reflected by the surface when viewing a glossy and shiny material.



准确的评价

luxor-x是色彩和色彩变化的精确的视觉评价现代照明展台，适合任何表面不透明的材料。这符合AST d1729-96技术规范（改成2003）关于光源和光谱功率分布指示、照明和观看的几何形状，试样周围的干扰，和设备维护。

同色异谱监测

人工日光，商店照明，家庭照明和紫外光等光源被设计到同一装置，用于准确评估颜色的同色异谱效果，即视样品在不同光源照明时，视觉颜色也在变化。

灵活的使用

被安装的数字光度计用于测量每种光源老化程度，并有液晶显示器提示和建议换灯时间，以避免由于光源老化影响颜色评估。一个可选的45度观景台用于防止样品的镜面反射对对色的影响。

SOURCE Type	COLOR RENDERING INDEX (Ra)	BRIGHTNESS TEMPERATURE (K)	POWER (W)	APPLICATION AREA
D65 Fluorescent Noon Daylight	85	6500	2 x 18	North sky day light
TL84 - F11 Narrow Tri-Band Fluorescent Store Light	85	4000	2 x 18	Stores Supermarkets Exhibition halls
CWF - F2 (optional) Broad band Fluorescent Store Light	63	4200	2 x 18	Stores Supermarkets Exhibition halls
A Incandescent Home Light	100	2800	2 x105	Home Office Hotels
UV Ultraviolet Black blue light			1 x 18	Optical brighteners Whitening agents Fluorescent pigments
Dimensions (cm)	81 x 59 x 90 (Height)			
Viewing area (cm)	75 x 52 x 53 (Height)			
Mass (kg)	30			
Electrical power supply	300 W - 220 VAC - 50 Hz			



I.C.S. ITALIAN COLOR SOLUTIONS s.r.l.
Viale A. Guidoni, 139 - 50127 Firenze ITALY
Tel. +39 055 413617 - Fax +39 055 0763427
P.Iva, C.F., R.Imp.FI.: 06447450484
info@italiancolorsolutions.it
www.italiancolorsolutions.it

