

elcometer® **6300 Colour Assessment Cabinets**

Can be used in accordance with:
 AS/NZS 1580.601.1, ASTM D1729, ASTM D 4086, BS-950-1,
 ISO 3668, JIS K 5600-4-3, SAE J361, TAPPI T 515



At a glance

- Range of sizes & light sources available to meet your specific requirements.
- Manual operation or digital programmable sequencing.

Features

The Elcometer 6300 range of Colour Assessment Cabinets provide a controlled environment for viewing colour samples and are suitable for any industry where there is a need to maintain colour consistency and quality. These include paint, textiles, automotive, ceramics, cosmetics, dyeing, food, footwear, inks, packaging, printing etc.

The Elcometer 6300 cabinets also allow the easy detection of metamerism. Metamerism is commonly discussed in the terms of illuminants, where two samples that are spectrally matched (exactly the same) match under one illuminant, but not another. For example two car door panels appear the same colour in daylight, but under a streetlight at night appear completely different colours.

The Elcometer 6300 range have a choice of 3, 4 or 5 light source cabinets in a range of sizes and functionality to suit your particular requirements.

- Light sources can be controlled, sequenced and programmed independently of each other.
- Accurate colour comparison as well as easy detection of metamerism.
- Constructed of fabricated steel, the Elcometer 6300 range significantly is lighter than MDF light cabinets available on the market.
- All Elcometer 6300 light cabinets are painted using Munsell N7 paint which has a matt, none reflective finish to minimize glare.

Light sources include:

- Artificial Daylight (D65)
- Point of Sale Illuminant (TL84 supplied with models)
- Home Illuminant (Illuminant A)
- Ultraviolet Illuminant (UV)
- Alternative Point of Sale Illuminant (TL83 emits a reddish, yellow energy)



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Colour

When assessing colour, industry standards require that viewing conditions meet strict specifications with regard to colour quality, light intensity, evenness of illumination, viewing / illumination geometry and surround conditions.

The Elcometer 6300 range of colour assessment cabinets assure accurate visual colour assessment and colour comparison as well as easy detection of metamerism.

Any industry that uses colour, can benefit from using Elcometer 6300 Light Cabinets to ensure their colour samples match under different lighting conditions.

Technical Specifications

Colour Assessment Cabinet Overview

Model	Light Sources					Weight	Control
	D65	TL84/CWF	Illuminant A	UV	TL83		
Elcometer 6300 MM-1E	•	•	•			14kg	Manual
Elcometer 6300 MM-2E	•	•	•			10kg	Manual
Elcometer 6300 MM-4E	•	•	•	•	•	17kg	Digital
Elcometer 6300 MM-1E UV/65	•	•	•	•		14kg	Manual
Elcometer 6300 MM-2E UV/65	•	•	•	•		10kg	Manual

The Elcometer 6300 range is available with a choice of 3, 4 or 5 light source cabinets, in a range of sizes and functionality to suit your particular requirements. Lamp Kits are available for each Colour Assessment Cabinet.

Colour Assessment Cabinet Dimensions

Part Number	Model	Dimensions	Light Sources
K0006300M002	Elcometer 6300 MM-1E	483 x 660 x 432mm	3
K0006300M001	Elcometer 6300 MM-2E	457 x 520 x 330mm	3
K0006300M003	Elcometer 6300 MM-4E	483 x 685 x 483mm	5
K0006300M202	Elcometer 6300 MM-1E UV/65	483 x 660 x 432mm	4
K0006300M201	Elcometer 6300 MM-2E UV/65	457 x 520 x 330mm	4

Packing List

Elcometer 6300 Light source including :

- viewing surface
- side walls
- rear wall
- power cable
- assembly instructions
- maintenance and operating instructions

Accessories

Part Number	Description
KT006300P002	Elcometer 6300 MM-1E Lamp Kit D65, TL84 & Illuminant A
KT006300P001	Elcometer 6300 MM-2E Lamp Kit D65, TL84 & Illuminant A
KT006300P003	Elcometer 6300 MM-4E Lamp Kit D65, TL84, Illuminant A, UV & TL83
KT006300P202	Elcometer 6300 MM-1E UV/65 Lamp Kit D65, TL84, Illuminant A & UV
KT006300P201	Elcometer 6300 MM-2E UV/65 Lamp Kit D65, TL84, Illuminant A & UV

Light Source Key

D65	Artificial Daylight
TL84	Point of Sale Illuminant
TL83	Alternative Point of Sale Illuminant
Illuminant A	Home Illuminant
UV	Ultraviolet Illuminant

