

# elcometer® 6300 Colour Assessment Cabinets

Can be used in accordance with:  
**AS 1580.6001.1**  
**ASTM D1729**  
**BS-950 Part 2**  
**SAE J361**  
**Tappi 7515**



## 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:

- D65 - Artificial Daylight
- TL84 / CWF - Euro / USA point of sale illumination
- Illuminant A - Filament bulbs found in domestic environments
- TL83 - Alternative point of sale light
- UV - ultraviolet

## 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

Model	Description	Number of Light Sources				
		D65	TL84	Illuminant A	UV	TL83
Elcometer 6300/2	Elcometer 6300 MM-1E	•	•	•		
Elcometer 6300/202	Elcometer 6300 MM-1EU65	•	•	•	•	
Elcometer 6300/1	Elcometer 6300 MM-2E	•	•	•		
Elcometer 6300/201	Elcometer 6300 MM-2EU65	•	•	•	•	
Elcometer 6300/3	Elcometer 6300 MM-4E	•	•	•	•	•
Elcometer 6300/4	Elcometer 6300 CMB-2028	•	•	•	•	•
Elcometer 6300/5	Elcometer 6300 CMB-2540	•	•	•	•	•
Elcometer 6300/6	Elcometer 6300 CMB-3052	•	•	•	•	•

Model	Description	Control Type	Lamp Timer	Dimensions
Elcometer 6300/2	Elcometer 6300 MM-1E	Manual	Optional	483 x 660 x 432mm
Elcometer 6300/202	Elcometer 6300 MM-1EU65	Manual	Optional	483 x 660 x 432mm
Elcometer 6300/1	Elcometer 6300 MM-2E	Manual	Optional	457 x 580 x 330mm
Elcometer 6300/201	Elcometer 6300 MM-2EU65	Manual	Optional	457 x 580 x 330mm
Elcometer 6300/3	Elcometer 6300 MM-4E	Digital	Standard	483 x 685 x 483mm
Elcometer 6300/4	Elcometer 6300 CMB-2028	Digital	Standard	635 x 762 x 559mm
Elcometer 6300/5	Elcometer 6300 CMB-2540	Digital	Standard	787 x 1067 x 686mm
Elcometer 6300/6	Elcometer 6300 CMB-3052	Digital	Standard	914 x 1372 x 787mm

## Part Numbers

Model	Description	Part Number
Elcometer 6300/1	Elcometer 6300 MM-2E Light Cabinet	K0006300M001
Elcometer 6300/2	Elcometer 6300 MM-1E Light Cabinet	K0006300M002
Elcometer 6300/3	Elcometer 6300 MM-4E Light Cabinet	K0006300M003
Elcometer 6300/4	Elcometer 6300 CMB-2028 Light Cabinet	K0006300M004
Elcometer 6300/5	Elcometer 6300 CMB-2540 Light Cabinet	K0006300M005
Elcometer 6300/6	Elcometer 6300 CMB-3052 Light Cabinet	K0006300M006
Elcometer 6300/201	Elcometer 6300 MM-2E UV/65 Light Cabinet	K0006300M201
Elcometer 6300/202	Elcometer 6300 MM-1E UV/65 Light Cabinet	K0006300M202
<b>Accessories</b>	Elcometer 6300 MM-2E Lamp Kit	KT006300P001
	Elcometer 6300 MM-1E Lamp Kit	KT006300P002
	Elcometer 6300 MM-4E Lamp Kit	KT006300P003
	Elcometer 6300 CMB-2028 Lamp Kit	KT006300P004
	Elcometer 6300 CMB-2540 Lamp Kit	KT006300P005
	Elcometer 6300 CMB-3052 Lamp Kit	KT006300P006
	Elcometer 6300 MM-2E UV/65 Lamp Kit	KT006300P201
	Elcometer 6300 MM-1E UV/65 Lamp Kit	KT006300P202