

Elcometer 6300 Colour Assessment Cabinets



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At a glance

- *Range of sizes & light sources available to meet your specific requirements.*
- *Manual operation or digital programmable sequencing.*
- *Available in UK 240V, EURO 230V and US 110V options*

Elcometer 6300 Colour Assessment Cabinets.

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.

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.

- 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.

Complies with the following standards:

ASTM D1729
SAE J361
Tappi 7515
BS-950 Part 2
AS 1580.6001.1

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

| Model | Number of Light Sources | | | | |
|--------------------------|-------------------------|-------------|--------------|----|------|
| | D65 | TL84 or CWF | Illuminant A | UV | TL83 |
| Elcometer 6300 MM-1E | • | • | • | | |
| Elcometer 6300 MM-1EUV65 | • | • | • | • | |
| Elcometer 6300 MM-2E | • | • | • | | |
| Elcometer 6300 MM-2EUV65 | • | • | • | • | |
| Elcometer 6300 MM-4E | • | • | • | • | • |
| Elcometer 6300 CMB-2028 | • | • | • | • | • |
| Elcometer 6300 CMB-2540 | • | • | • | • | • |
| Elcometer 6300 CMB-3052 | • | • | • | • | • |

| Model | Control Type | Lamp Timer | Dimensions (HxWxD) |
|--------------------------|--------------|------------|------------------------------------|
| Elcometer 6300 MM-1E | Manual | Optional | 483 x 660 x 432mm / 19 x 26 x 17" |
| Elcometer 6300 MM-1EUV65 | Manual | Optional | 483 x 660 x 432mm / 19 x 26 x 17" |
| Elcometer 6300 MM-2E | Manual | Optional | 457 x 580 x 330mm / 18 x 20 x 13" |
| Elcometer 6300 MM-2EUV65 | Manual | Optional | 457 x 580 x 330mm / 18 x 20 x 13" |
| Elcometer 6300 MM-4E | Digital | Standard | 483 x 685 x 483mm / 19 x 27 x 19" |
| Elcometer 6300 CMB-2028 | Digital | Standard | 635 x 762 x 559mm / 25 x 30 x 22" |
| Elcometer 6300 CMB-2540 | Digital | Standard | 787 x 1067 x 686mm / 31 x 42 x 27" |
| Elcometer 6300 CMB-3052 | Digital | Standard | 914 x 1372 x 787mm / 36 x 54 x 31" |

| Model | Description | Part Number | | |
|--------------------|--|--------------|--------------|--------------|
| | | UK 240V | EUR 220V | US 110V |
| Elcometer 6300/1 | Elcometer 6300 MM-2E Light Cabinet | K0UK6300M001 | K0006300M001 | K0US6300M001 |
| Elcometer 6300/2 | Elcometer 6300 MM-1E Light Cabinet | K0UK6300M002 | K0006300M002 | K0US6300M002 |
| Elcometer 6300/3 | Elcometer 6300 MM-4E Light Cabinet | K0UK6300M003 | K0006300M003 | K0US6300M003 |
| Elcometer 6300/4 | Elcometer 6300 CMB-2028 Light Cabinet | K0UK6300M004 | K0006300M004 | K0US6300M004 |
| Elcometer 6300/5 | Elcometer 6300 CMB-2540 Light Cabinet | K0UK6300M005 | K0006300M005 | K0US6300M005 |
| Elcometer 6300/6 | Elcometer 6300 CMB-3052 Light Cabinet | K0UK6300M006 | K0006300M006 | K0US6300M006 |
| Elcometer 6300/201 | Elcometer 6300 MM-2E UV/65 Light Cabinet | K0UK6300M201 | K0006300M201 | K0US6300M201 |
| Elcometer 6300/202 | Elcometer 6300 MM-1E UV/65 Light Cabinet | K0UK6300M202 | K0006300M202 | K0US6300M202 |
| Accessories | Elcometer 6300 MM-2E Lamp Kit | KTUK6300P001 | KT006300P001 | KTUS6300P001 |
| | Elcometer 6300 MM-1E Lamp Kit | KTUK6300P002 | KT006300P002 | KTUS6300P002 |
| | Elcometer 6300 MM-4E Lamp Kit | KTUK6300P003 | KT006300P003 | KTUS6300P003 |
| | Elcometer 6300 CMB-2028 Lamp Kit | KTUK6300P004 | KT006300P004 | KTUS6300P004 |
| | Elcometer 6300 CMB-2540 Lamp Kit | KTUK6300P005 | KT006300P005 | KTUS6300P005 |
| | Elcometer 6300 CMB-3052 Lamp Kit | KTUK6300P006 | KT006300P006 | KTUS6300P006 |
| | Elcometer 6300 MM-2E UV/65 Lamp Kit | KTUK6300P201 | KT006300P201 | KTUS6300P201 |
| | Elcometer 6300 MM-1E UV/65 Lamp Kit | KTUK6300P202 | KT006300P202 | KTUS6300P202 |

Related Products



Elcometer 6210

A system of reference colours, enabling many industrial products to be identified, compared and classified. Available either in the form of compact colour charts or in separate sheets of different sizes, with or without colourimetric identification.

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