

## Elcometer 6300 Colour Assessment Cabinets

Colour assessment cabinets 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, knitwear, packaging, printing, etc.

The Elcometer 6300 range of colour assessment cabinets, also known as light cabinets or colour matching booths, ensures accurate visual colour assessment and colour comparison. Constructed from steel, Elcometer's lightweight colour assessment cabinets are supplied with different light sources used to simulate different conditions.

Light sources available:

- Artificial Daylight (D65)
- Point of Sale Illuminant (TL84 supplied with UK 240V/ EUR 220V models, CWF supplied with US 110V models)
- Home Illuminant (Illuminant A)
- Ultraviolet Illuminant (UV)
- Alternative Point of Sale Illuminant (TL83 emits a reddish, yellow energy)

The Elcometer 6300 Colour Assessment Cabinets also enable easy detection of metamerism. Metamerism is commonly discussed in the terms of illuminants, where two samples appear the same (spectrally matched) 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 as completely different colours.



**STANDARDS:**

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

There is a choice of 3, 4 or 5 light sources with the Elcometer 6300 range. Cabinets are either available with manual light source selection or digital light source selection. The digital cabinets are able to programme the sequence of lights and the duration of each illumination. The lamp timer function, which is standard on all digital cabinets and as an option on manual cabinets, measures the number of hours the D65 daylight bulb has been in operation.

### Colour Assessment Cabinet Overview

Model	Light Sources					Weight	Control
	D65	TL84/CWF	Illuminant A	UV	TL83		
Elcometer 6300 MM-1E	▪	▪	▪			14kg (30lb)	Manual
Elcometer 6300 MM-2E	▪	▪	▪			10kg (22lb)	Manual
Elcometer 6300 MM-4E	▪	▪	▪	▪	▪	17kg (38lb)	Digital
Elcometer 6300 MM-1E UV/65	▪	▪	▪	▪		14kg (30lb)	Manual
Elcometer 6300 MM-2E UV/65	▪	▪	▪	▪		10kg (22lb)	Manual

## Elcometer 6300 Colour Assessment Cabinets

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 Source
UK 240V	EUR 220V	US 110V			
<a href="#">K0UK6300M002</a>	<a href="#">K0006300M002</a>	<a href="#">K0US6300M002</a>	Elcometer 6300 MM-1E	483 x 660 x 432mm (19 x 26 x 17")	3
<a href="#">K0UK6300M001</a>	<a href="#">K0006300M001</a>	<a href="#">K0US6300M001</a>	Elcometer 6300 MM-2E	457 x 520 x 330mm (18 x 20 x 13")	3
<a href="#">K0UK6300M003</a>	<a href="#">K0006300M003</a>	<a href="#">K0US6300M003</a>	Elcometer 6300 MM-4E	483 x 685 x 483mm (19 x 27 x 19")	5
<a href="#">K0UK6300M202</a>	<a href="#">K0006300M202</a>	<a href="#">K0US6300M202</a>	Elcometer 6300 MM-1E UV/65	483 x 660 x 432mm (19 x 26 x 17")	4
<a href="#">K0UK6300M201</a>	<a href="#">K0006300M201</a>	<a href="#">K0US6300M201</a>	Elcometer 6300 MM-2E UV/65	457 x 520 x 330mm (18 x 20 x 13")	4
Packing List	Elcometer 6300 Light source, viewing surface, side walls, rear wall, power cable, assembly instructions, maintenance and operating instructions.				

### Accessories

Part Number			Description
UK 240V	EUR 220V	US 110V	
<a href="#">KTUK6300P002</a>	<a href="#">KT006300P002</a>	<a href="#">KTUS6300P002</a>	Elcometer 6300 MM-1E Lamp Kit D65, TL84 & Illuminant A
<a href="#">KTUK6300P001</a>	<a href="#">KT006300P001</a>	<a href="#">KTUS6300P001</a>	Elcometer 6300 MM-2E Lamp Kit D65, TL84 & Illuminant A
<a href="#">KTUK6300P003</a>	<a href="#">KT006300P003</a>	<a href="#">KTUS6300P003</a>	Elcometer 6300 MM-4E Lamp Kit D65, TL84, Illuminant A, UV & TL83
<a href="#">KTUK6300P202</a>	<a href="#">KT006300P202</a>	<a href="#">KTUS6300P202</a>	Elcometer 6300 MM-1E UV/65 Lamp Kit D65, TL84, Illuminant A & UV
<a href="#">KTUK6300P201</a>	<a href="#">KT006300P201</a>	<a href="#">KTUS6300P201</a>	Elcometer 6300 MM-2E UV/65 Lamp Kit D65, TL84, Illuminant A & UV

### Light Source Key

D65	Artificial Daylight
TL84	Point of Sale Illuminant (supplied with UK 240V & EUR 220V units)
CWF	Point of Sale Illuminant (supplied with US 110V units)
TL83	Alternative Point of Sale Illuminant
Illuminant A	Home Illuminant
UV	Ultraviolet Illuminant