



# Colour Assessment Cabinets



CAC60 Cabinet - 600mm



Portable cabinet - 600mm



CAC120 Cabinet - 1200mm

## CAC light cabinets ensure global standardised colour assessment

VeriVide's Colour Assessment Cabinets are an indispensable tool for colour assessment, colour quality control and comparisons of colour variation. The stability of our light sources give excellent viewing conditions for reliable colour critical decisions under standardised lighting. Ensuring agreement and consistency through global supply chains, helping to highlight product quality issues, such as Metamerism, at the earliest opportunity.



CAC60 and CAC120

Designed specifically for colour matching and evaluation of any material where precise control of colour is critical.

- ✦ Backlight LED control panel with various features: servicing indicator, auto sequence, warm-up, power save and data storage facility.
- ✦ Options of 4 or 5 light sources including D50, D65, D75, 840, 830, CWF, F, A and UV.
- ✦ Interior Colour options: Grey Munsell N5, N7, 5574.

VeriVide's range of colour assessment cabinets are designed to match the viewing conditions and spectral qualities of the standard illuminants as specified according to the ISO/CIE standards.

They also conform to all major international standards for visual evaluation, including ASTM, AS, BSI, DIN and ISO.

VeriVide's own specially designed daylight simulator is the only fluorescent light source to give accurate colour reproduction across the entire colour spectrum.

**The CAC range is available in 3 sizes plus a portable option.**



## CAC Range Dimensions (mm)

		WIDTH	HEIGHT	DEPTH
CAC150	External Dimensions	1560	755	620
	Viewing Area	1530	545	590
CAC120	External Dimensions	1290	755	620
	Viewing Area	1260	545	590
CAC60	External Dimensions	710	545	420
	Viewing Area	680	335	380
CAC60 -5	External Dimensions	710	545	540
	Viewing Area	680	335	500
PORTABLE	External Dimensions	710	545	540
	Viewing Area	680	335	500
	Closed (within carrying bag)	690	340	160
	Weight 12 kg			



## VeriVide Accessories

### Diffusers

Diffusers are recommended when assessing highly specular materials such as paint, glass, polished surfaces and ceramics. These can also be used to create a barrier between light source and viewing area to prevent contamination - for example of food product.

### Dimmable

If a variable intensity of light is required or specified, an electronically controlled Dimmable option is offered.

### Observation tables

Two types of observation table can be supplied; the Tilting Table which allows variable angles of observation. These are useful for observing surface coatings, metallic and pearlescent materials and the Fixed Angle Table (image above) with the angle of observation fixed at 45° in accordance with ISO105 for the assessment of Colour Fastness.

### Benches and planning tables

Benches are also available allowing you to position your cabinet at the optimal observation height when used in conjunction with a VeriVide cabinet. Benches with plan drawers can also be supplied. (Further details on our Accessories Datasheet).



## CAC range lamp options

All cabinets are fitted with lamps as standard, which can be configured to your own requirements. The range of lamps within the viewing cabinet can vary, dependant on the application, from a single light source to a combination of 4 or 5 different light sources.

A typical combination includes: D65, Artificial Daylight – 840, (formerly TL84) a Point of Sale lamp - F, Tungsten Filament (typical home lighting) and UV, Ultra Violet Blacklight. Other types of lamps can be included if requested.

For more detailed information regarding the lamp options please refer to our Lamp Options Datasheet or alternatively contact our sales team who will be happy to assist you.

For the Portable cabinet the fifth illuminant can be chosen from the following: D75, D50, D65, 830, 840, UV, F.

### Lamp usage

Lamps should be replaced after 2000 hours of use. The control panel includes a service indicator to signify the number of hours usage for each individual light source.

The standard electrical supply is 220 V / 240 V (50 - 60 Hz). It is important that the cabinet is correctly earthed. All other voltage supplies must be specified when ordering.

### Positioning recommendations

For optimum results minimize the amount of stray ambient light or glare interfering with your visual assessments. We recommend windows near the Light Cabinet should be covered with a grey curtain. Direct light entering the field of view must be kept to minimum.

The lighting environment around the cabinet should have a light level of 200-300 Lux and the walls near the cabinet should be painted with a neutral grey paint comparative with Munsell Grey N7.

We would be pleased to offer advice in regards to your own specific location.

## CAC Range interiors

All our CAC range of Light Cabinets are finished as standard, with a neutral matt grey interior - ref N5. Alternatively this colour can be changed upon request to Munsell Grey N7 or 5574.

VeriVide is committed to innovation in colour assessment and quality control. From constructing bespoke standardised viewing environments to developing new lighting products to meet industry standards, improving your quality and productivity is always our priority.



For further technical information visit: [www.verivide.com](http://www.verivide.com)



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