

# Colour Assessment Cabinets

CAC & CAC LED P.O.S 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. This ensures agreement and consistency through global supply chains, helping to highlight product quality issues, such as metamerism, at the earliest opportunity.

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

- ▶ A number of LED options available to closely match your LED P.O.S lighting.
- ▶ Traditional light sources available include: D50, D65, D75, 840, U35, 830, CWF, UV, F
- ▶ Backlight LCD control panel with various features: servicing indicator, auto sequence, warm-up, power save and data storage facility.
- ▶ Interior Colour options: Grey Munsell N5, N7, VeriVide 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 industry leading daylight simulator gives accurate colour reproduction across the colour spectrum. Our unique LED Point of Sale technology eliminates distracting shadows (fringing) in the assessment area, whilst providing lighting to an internationally recognised standard for 3000/3500/4000K sources. Let us know what your requirements are and VeriVide will seek to closely match your current P.O.S lighting environment.

## CAC & CAC LED Range Dimensions (mm)

		WIDTH	HEIGHT	DEPTH
CAC60	External Dimensions	710	545	420
	Viewing Area	680	360	380
CAC60-5	External Dimensions	710	545	540
	Viewing Area	680	360	495
CAC 120	External Dimensions	1290	755	620
	Viewing Area	1260	570	585
CAC LED 60-5	External Dimensions	710	545	540
	Viewing Area	680	360	495
CAC LED 120-5	External Dimensions	1290	755	620
	Viewing Area	1260	570	585



CAC60 lamp deck



CAC LED 60-5 lamp deck

## CAC & CAC LED 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 for CAC LED includes;

- ▶ D65 Artificial Daylight
- ▶ F Tungsten
- ▶ LED
- ▶ 840
- ▶ UV

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 with any requirements.

### Point of Sale LED Lighting

Visualise and assess samples exactly as they appear in modern LED lit stores. Retail lighting is increasingly changing to LED's, replacing fluorescent lighting. VeriVide's new LED technology works to tighter tolerances than other aftermarket LED alternatives and avoids concerns with fringing effect and flickering, which will disrupt visual assessment and the operator's ability to make accurate colour decisions.

### Lamp usage

Fluorescent lamps should be replaced after 2000 hours of use or annually. LED modules can last up to 10x longer, however they should be assessed and measured annually by a trained technician to confirm conformance. 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). All other voltage supplies must be specified when ordering.

### Dimmable

If a variable intensity of light is required or specified, an electronically controlled Dimmable option is offered. This only applies to Fluorescent and Filament technology and does not apply to the LED P.O.S.

### 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 regarding your own specific location.

## 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, a food product.

### ▶ Observation tables

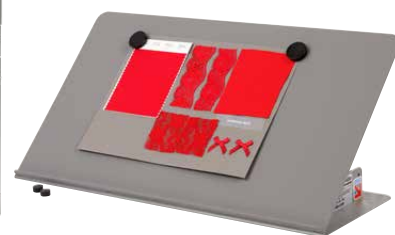
Two types of observation table can be supplied; the Tilting Table, which allows variable angles of observation and the Fixed Angle Table. The Tilting Table is useful for observing surface coatings, metallic and pearlescent materials at a variety of angles. The Fixed Angle Table offers a 45° observation angle in accordance with ISO 105 for the assessment of colour fastness, suitable for a variety of applications.

### ▶ 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).



CAC60 Cabinet fitted with Diffuser



Fixed Angle Table



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### Showroom and Offices

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### Manufacture and R&D

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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.

VeriVide is BS EN ISO 9001 : 2015 assessed and registered. All our colour assessment and measurement equipment is made in the UK. Design and specification subject to change without notice.

VeriVide Ltd is a company registered in England and Wales with company number 827815. Registered Office: VeriVide Ltd, Quartz Close, Warrens Business Park, Enderby, Leicester, LE19 4SG. United Kingdom.



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