



Color Assessment Cabinet



Light booth -600mm



Light booth -1200mm

CAC light cabinets ensure global standardised color assessment

Color Assessment Cabinets are an indispensable tool for colour assessment, color quality control and comparisons of colour variation.

The stability of our light sources give excellent viewing conditions for reliable color 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.



D65



TL84



UV



CWF



F/A



U30

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

LCD screen control panel with various features:

Easy to operate by using individual switches for each light source, display light source name, switching time and storage the hours of usage for tracking optimal lamp replacement.

Options of 4 or 5 light sources including D50, D65, D75, 840, 830, CWF, F, A and UV.

Interior Color options:

Grey Munsell N5, N6, N7

Vteke' s range of color 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 D1729, ISO3664, DIN, ANSI and BSI.

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, 5 or 6 different light source including D65, TL84, UV, U30, F/A, CWF, D50,U35 etc. 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.



Light cabinet accessories:

45° FIXED ANGLED TABLE

The 45 ° Fixed Angle Table is for use with our CAC range of Light Cabinets. It offers standardised viewing geometry at a 45 ° angle where the light strikes the table surface. Ideal for color fastness assessment.

Dimmable

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

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). 110V 50-60 Hz also available. 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

Light Sources	Description	Color Temperature (K)	CIR
D65	International standard Artificial Daylight, color temperature is 6500K. CIR is 98. Specified for most applications where color consistency and quality are required. High conformance to ISO 23603 - CIE S 012/E specifications for accurate colour matching.	6500	98
TL84	Applicable for stores in China, Japan and Europe (Cool White Fluorescent) American Standard	4000	85
CWF		4150	62
F/A	"Sun-setting Light Yellow" incandescent light source (imitation of sunset)	2700	100
UV	Viewing under ultraviolet light to detect and evaluate optical brighteners or fluorescent pigments	Wavelength: 365nm	-
U30	Warm White Fluorescent, American Standard	3000	85

The CAC range is available in 4 sizes.

Order Number	Configured light sources	Weight	Dimensions(mm) Width* Height *Depth
CAC-4 Light Booth	D65,TL84,F,UV	30Kg	Overall: 710x405x570 Viewing Cavity: 680x385x360
CAC-5 Light Booth	D65,TL84,CWF,F,UV	32Kg	Overall: 710x405x570 Viewing Cavity: 680x385x360
CAC-6 Light Booth	D65,TL84,CWF,F,UV,U30	38Kg	Overall: 710x530x570 Viewing Cavity: 680x510x360
CAC-6B (oversize) Light Booth	D65,TL84,CWF,F,UV,U30	70Kg	Overall: 1310x600x800 Viewing Cavity: 1280x590x590

Vteke CAC series Light booth
The most economical color calibration tool make all your products look the same around the globe.
Light sources:
D65, TL84, CWF, U30, TL83, F & A



For further technical information
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