

Color Assessment Cabient



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.



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 illuminats 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 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 | 4000 | 85 |
| CWF | (Cool White Fluorescent) American Standard | 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 |



Light cabient 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 useage

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

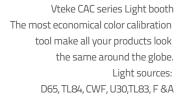
For optimum results minimize the amount of stray ambient light or glare interfering with your visual assessments. We recommend windows near the Light Cabinet should be covered with a grey curtain. Direct light entering the field of view must be kept to minimum.

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





For further technical information Website:www.vteke.com

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Scan the QR code on your mobile device to go directly to our website

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