

VeriVide

Colour assessment cabinets

VeriVide Colour Assessment Cabinets are an indispensable, industry-standard tool for the assessment, quality control and comparison of colour.

Different retailers and buyers/specifiers have widely varying requirements. When specifying a cabinet, the principal choices are as follows:

Cabinet Width:

Approximately 1500, 1200 or 600mm.

Colour of Internal Surfaces:

Grey 5574 (default colour), Munsell N5 or Munsell N7.

Optional Sample Viewing Tables:

Variable angle or fixed 45° angle.

Light Sources: Up to five independently switchable light sources in one cabinet [see Table for details].

Spare Lamps: We recommend that you purchase a complete set of spare lamps with each cabinet.

Colour Temperature - expressed in Kelvin (K) - describes the colour appearance of a lamp. Lamps with lower temperatures appear warmer (red or orange), eg A and 830; lamps with higher colour temperatures look bluer, eg D65 and D75.

Colour Rendering Index (CRI) - a measure of how well colours are rendered by a lamp in comparison with a reference light source. CRI is measured on a scale from 0-100, with 100 representing an exact match and with lower values indicating poor rendering.



Cabinet with Specimen Viewing Table

CIE Daylight Illuminants			
Light Source	Name	Lamp Description	C.R.I
D75	VeriVide D75 "Artificial Daylight"	Correlated colour temperature 7500K. Conforming to the USA ASTM (American Society for Testing and Materials) D1729-82 standard for D75 Illuminant. With high CIE specifications, for accurate colour matching.	96
D65	VeriVide D65 "Artificial Daylight"	VeriVide D65 "Artificial Daylight". Correlated colour temperature 6500K. Within the tolerances prescribed in BS 950: Part 1; and all international specifications for D65 illuminant. Specified for most applications where there is a need to maintain colour consistency and quality. Conforming highly to the CIE specifications, for accurate colour matching.	98
D50	VeriVide D50 "Artificial Daylight"	Correlated colour temperature of 5000K. For the Graphic Technology and Photographic industries. D50 lamps conform to BS 950: Part 2 and ISO 3664. Recommended for transmitted light source to view transparencies and for the reflected light source to view reproductions.	98

CIE Illuminant 'A'			
Light Source	Name	Lamp Description	C.R.I
'F'	Tungsten Filament	Tungsten Filament Lighting. Approximate colour temperature of 2800K. Required by BS 950: Part 1 as a test for metamerism (approximating CIE Illuminant 'A'). Typical light source used within domestic environments.	100
'A'	Tungsten Halogen	Tungsten Halogen Lighting (CIE Illuminant 'A'). This represents incandescent A (inc-A) with a colour temperature of 2856K. Typical light source used within domestic environments. Used to check for metamerism.	100

Alternative Point of Sale Lighting			
Light Source	Name	Lamp Description	C.R.I
840 P15	VeriVide 840P15	Narrow Band Triphosphor Fluorescent Lamps. Correlated colour temperature of 4000K. CIE Illuminant F11. Often chosen as a European "Point of Sale" light source, with good colour rendering and manufactured to a tighter tolerance specification as prescribed by Marks & Spencer. (Formerly TL84P15).	85
CWF	Cool White	Cool White Broad Band Fluorescent Lamps. Correlated colour temperature of 4000K. Used as an American "Point of Sale" light source, with good colour rendering.	62
U35	Ultralume 35	Ultralume Narrow Band Triphosphor Fluorescent Lamp. Correlated colour temperature of 3500K. An American "Point of Sale" light source, with good colour rendering.	86
830		Narrow Band Triphosphor Fluorescent Lamp. Correlated colour temperature of 3000K. Often chosen as a European "Point of Sale" light source, with good colour rendering. (Formerly TL83).	85

Horizon			
Light Source	Name	Lamp Description	C.R.I
'H'	Horizon Lighting	Colour temperature 2300K. Used for Automotive, Apparel and Metamerism Testing. As specified by the ASTM (American Society for Testing and Materials) D1729-74, Standard Practice for Visual Evaluation of Colour Differences of Opaque Materials.	98

Ultraviolet			
Light Source	Name	Lamp Description	C.R.I
UV	Ultraviolet	Ultraviolet Blacklight. Used to detect the presence of Optical Brightening Agents and/or Fluorescent dyes. Therefore it is useful when assessing white and fluorescent shades to check the level present and its evenness.	N/A