

Colour Assessment Cabinet

Ref: CACC



INTRODUCTION

Suitable for all industries and applications where there is a need to maintain colour consistency and quality e.g. Automotive, Ceramics, Cosmetics, Foodstuffs, Footwear, Furniture, Inks, Knitwear, Leather, Ophthalmic, Packaging, Printing and Textile.

The CAC range incorporates membrane switching with electronic ballast control of the illuminants. These features ensure optimum consistency of viewing conditions and permit the combined use of 26mm and 38mm lamps. All cabinets are CE approved to EN55015.

All cabinets are normally supplied with the coloured grey, Ref. 14.40D but they can be supplied with an alternative, Munsell grey N5, if this preference is specified on the order.

Diffusers are available for the CAC 60,120 and 150 cabinets, but should only be used when highly specular materials are to be assessed - add /D to product order code.

Tilting Table, to fit to the CAC 60, used in testing for metallic metamerism i.e. vehicle finishing, surface coating, metallic foil manufacture – add /TT to product order code.

45° Fixed Angle Table to fit the CAC 60 cabinet – add T/45 to product order code.

All cabinets are supplied complete with lamps. It is important that the cabinet is earthed. Electronic ballast control is suitable for 220v or 240v (50 – 60Hz). Any other voltage requirements must be specified on the order. Lamps should be changed every 2000 hours as indicated on the time elapsed meter which will zero after 10,000 hours.

For best results, glare, extraneous lights and anything which will affect the visual response must be avoided. Any windows near the cabinet should be fitted with grey blinds. No direct light should be in the field of view and the general lighting in the vicinity should be @ Artificial Daylight ` to a level of 200 – 300 lux. The wall area behind the cabinet should be finished in light grey emulsion BS00A01. These measures will ensure comfortable and accurate colour appraisal.

FEATURES

Switch Identification

- 01** Mains On / Off.
- D65** 'Artificial Daylight' fluorescent lamps conforming to International Standard Illuminant D 6500 within the tolerances prescribed in BS950: Part 1.
- D65₂** Additional level of 'Artificial Daylight' for colours of low reflectance factor. Switches D65 and D65₂ must be depressed together.
- TL83**
TL84 Phillips Triphosphor fluorescent lamps often chosen as a 'Point of Sale' illuminant.
- F** Tungsten Filament lighting required by BS950 Part 1 as a test for metamerism.
- UV** Ultra Violet Backlight to reveal the presence of fluorescent dyes and bleaches

Alternative fluorescent lamps can be incorporated if required but three fluorescent light sources plus one filament is the maximum for the CAC150, CAC120 and CAC60. The CAC Portable can be supplied with the addition of one extra fluorescent source selected from the following:

D75, D50, TL83, TL84, Cool White, Natural, Warm White.
When ordering please state which lamps are required.

DIMENSIONS (mm)

		Width	Height	Depth
CAC150	Overall	1560	780	620
	Viewing Capacity	1520	570	590
CAC120	Overall	1300	780	620
	Viewing Capacity	1260	570	590
CAC60	Overall	710	570	420
	Viewing Capacity	680	360	380
Portable	Overall	670	415	310
	Viewing Capacity	630	275	280
	Closed	670	315	140

ORDERING INFORMATION (Model Type and Lamp Configuration)

CAC150	CAC120	CAC60	Portable (also see above)
D65 ₂ FUV	D65 ₂ FUV	D65 ₂ FUV	
D65TL84FUV	D65TL84FUV	D65TL84FUV	D65TL84FUV
D65TL83FTL84	D65TL83FTL84	D65TL83FTL84	D65TL83FTL84
D65TL84FTL83	D65TL84FTL83	D65TL84FTL83	
D65TL83FUV	D65TL83FUV	D65TL83FUV	D65TL83FUV
	D65UVFUV	D65UVFUV	

Owing to continuous development, we reserve the right to introduce improvements and modify specifications without prior notice.

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