

Fenestra - proofing cabinet



Fenestra . . . Controlled and Consistent Proofing

We are told by those within the Printing industry that most of their complaints relate directly to non-standard lighting or inconsistent viewing conditions.

And that is something we fully understand as for decades we have been working with companies, in a wide range of industries around the world, helping them to make the right choices for their colour assessment lighting.

Our Light Cabinets or Viewing Booths or whichever term you wish to use, are specified by companies such as UK retailer M&S and global sportswear company, NIKE.

We work with brands such as Unilever, Procter & Gamble and Adidas, and within the printing industry, Taylor Bloxham, one of the largest independent lithographic printers in the UK.

As all this suggests, we are ideally placed to offer sound advice on all aspects of your assessment lighting requirements; how to introduce standardized lighting into your process or how you can reduce those expensive misunderstandings caused by inconsistent viewing conditions.

The Fenestra is a visual proofing cabinet designed to simulate the appearance of the proof on your monitor. Conforming to ISO3664, the Fenestra accommodates paper sizes up to SRA3+ with a totally unobstructed viewing area.

- Angled illumination gives consistent lighting over the whole print, eliminating light banding.
- High colour uniformity over the whole image.
- Minimal specular reflection - gloss paper appears as matte.
- Designed to minimise the amount of stray light giving an easy assessment of subtle tonal differences in shadow areas.
- A D50 simulation extremely close to the defined standard. Reliable comparisons of the 'real' print colour as it would appear under natural light.
- Reliable visual match for all colours between the monitor and the hard copy.
- High colour fidelity over the whole image area. No colour casts on the neutral tones.
- Suction deck for an uninterrupted view of your proof with no visual distractions giving an even, diffuse illumination.

WHY USE CONTROLLED LIGHTING FOR VISUAL ASSESSMENT?

As we're sure you will understand, print output is extremely vulnerable to a noticeable colour change when it is viewed under uncontrolled, ambient lighting conditions.

Obviously the visual assessment part of the process is just as critical in your workflow as on screen or on press reproduction. To view your hard copy in anything other than controlled and consistent lighting defeats the whole object of digital colour management. By assessing your printed hard-copy in the Fenestra Viewing Booth you can colour-correct your on-screen soft copy with confidence.



FENESTRA DESIGN

From initial concept we worked closely with industry recognized specialists, to produce a proofing cabinet, which not only conforms to ISO3664 but one which will reduce those problems caused by viewing proofs in lighting environments that are neither standard or consistent.

The Fenestra is designed to give clear, precise and unambiguous assessment of printed colour, accommodating paper sizes up to SRA3+ with a totally unobstructed viewing area. It effectively suppresses gloss over a wide viewing angle making the visual assessment of difficult substrates a relatively straight forward task, making your glossiest stock appear as matte.

It enables clear and considered assessments of the actual colour of your printed copy and ensures conformance with ISO3664:2009.

ILLUMINATION

The Fenestra is not directly illuminated by the light source but uses angled illumination to give you a more consistent light over your whole print, eliminating light banding.

The Fenestra is designed to minimise the amount of stray light coming directly out of the front of the cabinet, thereby reducing the overall emitted light intensity reaching your eyes. This allows you to more easily assess subtle tonal differences in shadow areas and because you are looking at the light from the lamps and not the lamp itself, eyestrain is reduced, allowing critical assessments to be carried out over longer time periods.

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COLOUR QUALITY



Conformance with ISO3664:2009 requires that the spectral power distribution is measured at the illuminated surface (that means where the printed copy is actually viewed) rather than to the source (that is the lamp). The Fenestra meets this requirement, giving a high colour uniformity over the whole image and, for example, does not suffer from poor colour quality at the print margins.

It has a Colour Rendering Index (CRI) of >95, this is at the higher end of performance for D50 light sources, indicating the simulation of D50 within the Fenestra is extremely close to the defined standard. This ensures the colour reproduction compares very well against the 'real' colour of the print as it would appear under a natural light source and gives you a good visual match for all colours between the monitor and the hard copy.



Similarly the actual colour variation of the light source as seen on the copy deck is extremely low, typically less than 0.05 chromaticity units. This means that a high colour fidelity is maintained over the whole image area and that no colour casts will be seen on neutral tones in different image regions.

DESIGNED TO MINIMISE DISTRACTION

When you are assessing a printed proof, it is recommended to have an uninterrupted view, to allow you to give your printed copy your full attention. This is why the Fenestra has a suction deck to hold the print on the viewing deck, allowing you to give your attention to the print and not unsightly clamps or bars or holding devices.

This is also why there are facets on the reflector, to give an even, diffuse illumination over the entire viewing deck, ensuring you see the effect of the lamps without the distraction of looking at the lamps themselves.

This is why the Fenestra has rounded corners in the copy deck to ensure there are no shadow lines or inconsistent light on your print and why the internal surfaces are of a matte finish, reducing light spillage from the cabinet and reducing flare, allowing you to make the critical decisions on subtle areas of colour variations with controlled consistency.

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DIMENSIONS (mm)

		Width	Height	Depth
FENESTRA	External Dimensions	716	655	476
	Viewing Area	650	420	

CE All VeriVide Light Cabinets and our other assessment equipment is made in the UK to BS EN ISO 9001 standard. Design and Specification subject to change without notice. Issued: May 2010. DL110510