



Datacolor® ColorMatcher Light Booths

Accurate and Flexible Visual Color Evaluation

Datacolor light booths simulate a variety of lighting conditions enabling visual color assessors to conveniently evaluate product colors with confidence and consistency. Datacolor ColorMatcher light booths are state of the art color inspection systems for global supply chains where color must be managed accurately from design through production.

Confidence in visual sample evaluation

Ensures accuracy in visual color evaluation

- Five light sources are available, including LED, enabling replication of any lighting environment, for accurate visual color assessment and determination of metamerism.
- The optically neutral diffuser ensures even illumination throughout the viewing area, eliminating bright or dim areas that result without a diffuser.
- Lamps achieve instant stability when switching between sources, so there is no need to wait for lights to stabilize before making decisions.
- Usage tracking system alerts operators that aging light sources may need to be replaced before they negatively impact sample evaluation.



Conformance to industry standards for global supply chains

- Compliance with a broad variety of international standards, including ASTM D1729, SAE J361, Tappi 7515, BS-950 Part 2, and AS 1580.6001.1. to ensure repeatability in your visual assessment process and across your global supply chain.
- The NIST-traceable certificate of product conformance gives any member of the supply chain the assurance needed for confident visual color inspection.
- Multiple calibration options are available to keep your lighting working at peak performance.

Flexibility to fit your needs

Multiple light source and sample viewing options

- Available with a selection of five of the following light sources to replicate any lighting environment:
 - LED (3000K/3500K/4000K)
 - Artificial Daylight (D50/D65/D75)
 - Store Light (CWF/TL83/TL84/U35)
 - Home Light (A/Horizon)
 - Ultraviolet Light (UV)
- Configurable one-touch light source sequencing ensures viewing consistency when switching between light sources to evaluate metamerism.
- Optional 45° viewing table is available to ensure consistent sample positioning.



Adapts easily to a variety of workspaces

- Three standard sizes – 28", 40" and 52" in width – are available to suit any office or laboratory environment.
- Multiple units can be coupled together to further increase width for evaluation of larger samples.
- An optional height-adjustable floor stand is available to ensure Light Booth accessibility where it is needed most.



FEATURES COMPARISON

| | DCMB 2028 | DCMB 2540 | DCMB 3052 |
|---|----------------------------|-----------|-----------|
| Light sources | Selection of 5 | | |
| Light source activation | Push-button control | | |
| Auto light source sequencing | ✓ | | |
| Lamp timer for all sources | ✓ | | |
| Light filtration | Optically neutral diffuser | | |
| Compliance with ASTM d1 729, SAE J361, Tappi 7513, BS-950/2, AS 1580.6001.1 | ✓ | | |
| Units can be coupled for larger width | ✓ | | |

OPTIONS

| | DCMB 2028 | DCMB 2540 | DCMB 3052 |
|--|-----------------------|-----------|-----------|
| Dimming for Daylight, Store & Home Light | ✓ | | |
| Color of surround | Munsell N5 or N7 grey | | |
| 45° viewing table | ✓ | | |
| Height-adjustable floor stand | ✓ | | |

PHYSICAL SPECIFICATIONS

| | DCMB 2028 | DCMB 2540 | DCMB 3052 |
|----------------------------------|-------------------------------|------------------------------|-----------------------------|
| Viewing area (h x w x d): | 48x71x51 cm 19x28x20" | 64x102x64 cm 25x40x25" | 76x132x76 cm 30x52x30" |
| Physical dimensions (h x w x d): | 63x76x55 cm 24.75x30x21.5" | 79x107x68 cm 31x42x26.75" | 91x137x80 cm 36x54x31.5" |
| Shipping Weight: | 32 kg / 70 lbs | 64 kg / 140 lbs | 93 kg / 205 lbs |

For more information, please visit www.datacolor.com/colormatcher-booth