

CRD-1 COLOR RENDITION DEMONSTRATOR

A valuable educational and communication tool designed for demonstrating the dramatic visual color effects of different light qualities on identical color prints or samples

The Color/Light Relationship

All "color" begins with the light source. A colored print or object is not, of itself, "colored." The pigments or dyestuffs in colored materials selectively absorb or reflect certain wavelengths of the light source, thereby illuminating it.

A "red" apple, for example, has natural pigmentation which absorbs most of the green and blue wavelengths from a white light source, reflecting the red energy toward our eyes. Our eyes detect that energy and transmit a signal to our brain which identifies it as what we have learned to be "red." If the red energy of the light source is reduced, the red of the apple will also be reduced.



Three Spectrally Dissimilar Light Sources

- Commercial Fluorescent (store light)
- D5000 Daylight Fluorescent (noon sunlight)
- Incandescent (home light)

The Graphiclite® Color Rendition Demonstrator dramatizes such effects by presenting identical prints or other colored materials under three spectrally different light sources: cool white fluorescent store light, 5000K fluorescent noon sunlight and incandescent home light. With the CRD-1, for

example, package designers can evaluate the aesthetic appearance and color harmony of package materials as they might appear at the point of sale under store light, at the point of use under home light or under full-spectrum daylight conditions.

Specifications

Model	Physical Dimensions			Electrical Requirements	Shipping Weight
	Height	Width	Depth		
CRD-1	17"/43cm	30"/76cm	6.5"/17cm	90 watts	23 Lbs./10 Kgs.