

TECHINCAL DETAILS

OF

xenoLIGHT™

(For Color Fastness Against Sunlight)

1. INTRODUCTION

All dyed & printed material experience change in color when exposed to daylight for a sufficiently long period because of the action of sunlight on pigments or dye used in them. The severity of exposure in both time and intensity of daylight determines the extent of change in color. The color fastness is denoted by the number of the Light Fastness Standard Fabric that has changed color to the same extent as the test specimen. Paramount *xenoLIGHT™* is developed to test colorfastness to artificial sunlight using xenon lamp.

2. EQUIPMENT

Paramount *xenoLIGHT™* is specially designed equipment with air-cooling technology. A Special Potentiometer is provided for setting the radiance of light as per standard. A 1500W Xenon Lamp has been used as artificial day light source. Digital control panel with time setting option & mains ON/OFF switch. Specially designed Stainless steel exposing chamber with temperature control to conduct the test. A special feature of the equipment is auto power cut of the lamp while the chamber is over heated. The instrument is meticulously finished with cream paint to give a gorgeous look.

3. DETAILS OF THE MAIN UNIT OF *xenoLIGHT*™

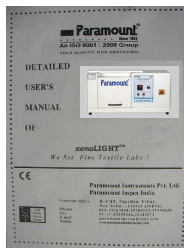


1. Door Handle.
2. Foot Rests.
3. Exposure Chamber Door
4. Xenon Lamp Holder Unit.
5. Control Panel Unit.
6. Power ON/OFF and Safety Switch.
7. Cooling air outlet filter.

4. DETAILS OF THE ACCESSORIES SUPPLIED WITH *xenoLIGHT*™



Main Unit



This User's Manual



Inspection & Conformance Certificate

xenoLIGHT™ is Supplied Complete with below Accessories:

- | | | |
|----|--|----------|
| 1. | Main Unit with Digital Controls | : 01 No. |
| 2. | Detailed User's Manual | : 01 No. |
| 3. | Inspection and Conformance Certificate | : 01 No. |

5. SALIENT FEATURES

- Specialized equipment to evaluate colorfastness to light.
- Latest design model with modern aesthetics.
- Temperature control with air-cool technology.
- Xenon lamp used to produce artificial daylight.
- With potentiometer to change the radiance of light as per requirement.
- Digital control panel with timer to set time of exposure.
- Complete with all accessories-specimen holders, blue wool scale etc.
- Supplied with inspection certificates.

6. TECHNICAL DETAILS OF *xenoLIGHT*™

Power Supply	:	230VAC, + 10%, 50 Hz,
Current Consumption	:	16 Amp. Max.
Hour Meter	:	0 – 9999 Hours, L/c : 1Hr.
Life of the lamp	:	1500 Hours.
Dimensions	:	700(L), 390(W), 400(H)mm 27.5(L), 15.5(W) (H) inch
Weight	:	29Kgs (63.80lbs)

7. RELATED STANDARDS

- Bs 1006 UK – TM
- IS 2454 – 1985