

TECHINCAL DETAILS

OF

spectraLUX Junior[™] (2 in 1)

1. INTRODUCTION

Paramount *spectraLUX Junior*[™](2 in 1) is a latest colour matching cabinet with double cabinet, which strictly adheres to the American standards. The equipment can be used to evaluate the matching of fabrics, yarns or any coloured material under standard light sources in Garment, Home Furnishing Companies, Dye Houses or textile industries. It has five standard sources of light.

- Artificial Daylight (D-65)
- Cool White Light (CWF)
- U-30 Light (Store Light Matching)
- INC-A Light (Domestic Light Matching)
- Ultra Violet Black Light (For Whites & Fluorescent Dyes)

2. EQUIPMENT

Paramount *spectraLUX Junior*[™](2 in 1) is made of sheet Metal, with internal colour, matching to Munsell N/7, which strictly adheres to American standards. All standard tube lights & bulbs are supplied with the equipment for accurate Color Matching. The exclusive feature is its foldable type body & portable size that can be taken anywhere and assembled quickly. Double cabinet helps in comparative analysis of sample. To safeguard the expensive & sensitive tube lights & bulbs *spectraLUX Junior*[™](2 in 1) is fitted with Electronic/ballasts for Instant start & power saving. Specially designed digital control panel with auto sequencing option is provided for hands free operation. The equipment is meticulously finished in an elegant grey, as per American standards.



AATCC
CORPORATE MEMBER

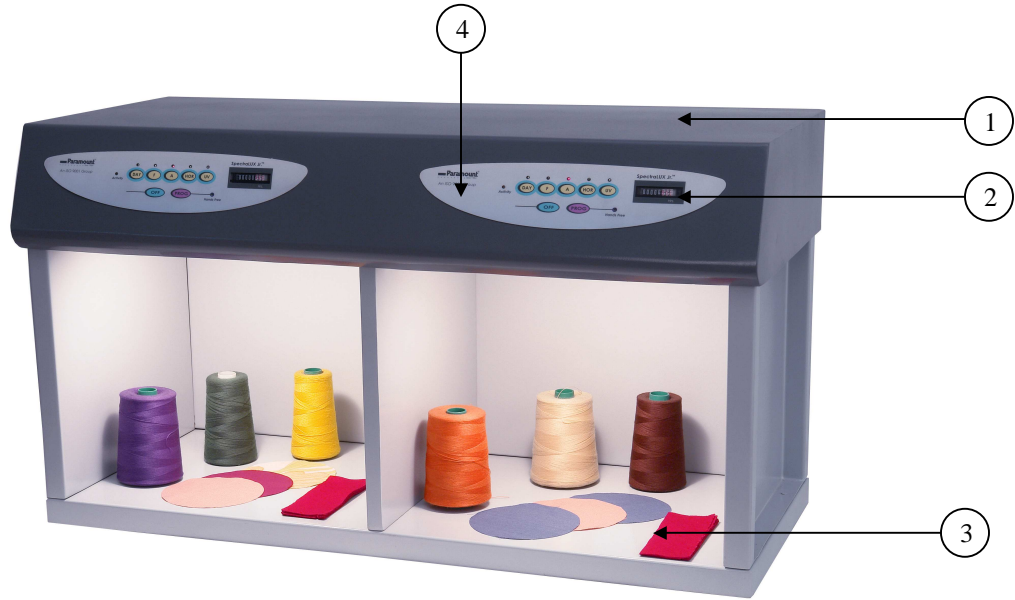


Patron Member



Member Bureau of
Indian Standards

3. Details of the Main Unit of *spectraLUX Junior™*(2 in 1)



1. Top Light Cover.
2. Hour Totaliser.
3. Viewing Cavity.
4. Feather touch, microprocessor based, programmable Control Panel.

4. Details of the Accessories Supplied with *spectraLUX Junior™*(2 in 1)



Main Unit



Tube Lights – 05 Nos.



Tube Lights – 05 Nos.



INC A Bulb – 02 Nos.



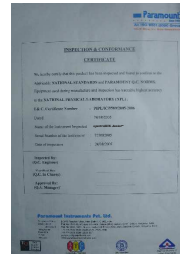
Main Lead



Plastic Cap Units to fix the Panels 08 Nos.



This User's Manual



Inspection & Conformance Certificates

Unpack your *spectraLUX Junior™*(2 in 1) and ensure that you have the Following units :

- | | |
|---|-----------|
| 1. Main Unit | : 01 No. |
| 2. Tube Lights | : 10 Nos. |
| 3. INC A Bulb | : 02 No. |
| 4. Dust Cover | : 01 No. |
| 5. Plastic Cap Units to fix the Panels | : 04 Nos. |
| 6. Mains Lead With Plug | : 01 No. |
| 7. Detailed User's Manual | : 01 No. |
| 8. Calibration Certificate (Traceable to NPL) | : 01 No. |
| 10. Inspection & Conformance Certificate | : 01 No. |

5. SALIENT FEATURES

- Latest economical colour matching with double cabinet to evaluate colour matching of dyed or printed fabrics or yarns.
- Convenient to use due to two cabinets together to compare two different samples in two different lights.
- Latest microprocessor based controller for lights, with hour meter.
- Auto sequencing for hands free operations.
- Interior colour matching with Munsell N/7 strongly meets the specification of Americans buyers.
- Latest design to eliminate external light interference.
- Having five different light sources (CWF, U30, UVB, D 65, INCA) for individual cabinet.
- Easy foldable metal sheet body helps in easy transport & installation.
- Supplied with calibration & inspection certificates.

6. TECHNICAL DETAILS OF *spectraLUX Junior™*(2 in 1)

DIMENSIONS

Overall Dimensions of the Instrument	:	715 ^{±10} (W) x 425 ^{±10} (D) x 570 ^{±10} (H) mm. 28 ^{1/4} ” (W) x 17 ^{3/4} ” (D) x 22 ^{1/2} ” (H) Inch.
Overall Dimensions Viewing Cavity	:	680 ^{±10} (W) x 380 ^{±10} (D) x 360 ^{±10} (H) mm. 26 ^{3/4} ” (W) x 15” (D) x 14 ^{1/4} ” (H) Inch.
Net Weight of the Instrument	:	27 Kg. (59.4 lbs)
Size of viewing table	:	(610 x 310 ± 5) mm
Angle of Viewing table	:	45°
Hour totaliser	:	0 – 10,000 Hour, L/C : 1 Min.

DIMENSIONS

Overall Dimensions of the Instrument	:	781 (L) x 355 (W) x 482 (H) mm. 30.75 (L) x 14 (W) x 19 (H) Inch.
Net Weight of the Instrument	:	23 Kg. (50.6 lbs)

B. LIGHT SOURCES (ILLUMINANTS)

Artificial Daylight Fluorescent Lamps (D-65)	:	04 Nos. (20 W)
Tungsten Filament Lamps (Inc A Lamps)	:	02 No. (70 W)
Cool White Fluorescent Lamp (CWF)	:	02 No. (20 W)
Ultra LUME – 3000 (U-30)	:	02 No. (20 W)
Ultra-Violet Black Lamp	:	02 No. (18 W)

C. COLOR TEMPERATURE (ILLUMINANTS)

D-65	LIGHT	6500 K (Average North Sky Day Light)
CWF	LIGHT	4150 K (Typical Store/Office Lighting) (Wide Band Fluorescent) USA
U-30		3000 K (Commercial Fluorescent) USA
INCA		2856 K (Typical Home / Accent Lighting) UK/France
U.V.B.	LIGHT	Filtered Near UV
HOUR METER (Analog)		0 – 10000 Hrs; L/C : 1 Min.

7. RELATED STANDARD

ISO 3664, BS 950, DIN 6173, ASTM D 1729, JIS Z 8723.

NOTE : With our constant endeavour to improve & excel, we reserve the right to alter the specification or modify the appearance without notice.

