

spectraLUX Junior™

INTRODUCTION

Paramount SpectraLUX Junior™ is a latest economical colour matching cabinet with strict adherence to American standards. This portable equipment can be carried in the field to evaluate the colour matching of fabrics, yarns or any coloured material under standard light sources. It can be used in Garment, Home Furnishing Companies, Dye Houses or textile industries. The equipment has five standard light sources.

- Artificial Daylight (D-65)
- Cool White Light (CWF) / TL-84.
- TL-83 / U-30 Light (Store Light Matching)
- INC-A Light (Domestic Light Matching)
- Ultra Violet Black Light (For Whites & Fluorescent Dyes)

EQUIPMENT

Paramount SpectraLUX Junior™ is made of sheet Metal, with strict adherence to American standards. The equipment is supplied with all standard tube lights & bulbs as per standard for accurate Color Matching. The exclusive feature is its foldable type body & portable nature. Moreover it occupies less space. In order to safeguard the expensive & sensitive tube lights & bulbs SpectraLUX Junior™ is fitted with Electronic/ballasts for Instant start & power saving function. Specially designed feather touch control panel has control of all lights. The exclusive feature is the auto sequencing option for hands free operation. The equipment is meticulously finished in an elegant grey, as per American standards.

SPECIAL FEATURES

- Latest economical colour matching cabinet to evaluate colourmatching of dyed or printed fabrics, yarns or any coloured material.
- Occupy less space due to Compact Design.
- 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 standard light sources (Day, CWF, INCA, Warm white & UV).
- Easy foldable metal sheet body helps in easy transport & installation.
- Supplied with calibration & inspection certificates.

SpectraLUX Junior™ is supplied complete with below accessories.

Main Unit	: 01 No.
Tube Lights	: 05 Nos.
INC A Bulb	: 01 No.
Dust Cover	: 01 No.
Plastic Cap Units to fix the Panels	: 04 Nos.
Mains Lead With Plug	: 01 No.
Detailed User's Manual	: 01 No.
Calibration Certificate (Traceable to NPL)	: 01 No.
Inspection & Conformance Certificate	: 01 No.



TECHNICAL DETAILS

DIMENSIONS

Overall Dimensions of the Instrument : :406 (L) x 355 (W) x 482 (H) mm.
 16 (L) x 14 (W) x 19 (H) Inch.

Net Weight of the Instrument : 16 Kg. (35 lbs)

B. LIGHT SOURCES (ILLUMINANTS)

Artificial Daylight Fluorescent Lamps (D-65)	: 02 Nos. (20 W)
Tungsten Filament Lamps (Inc A Lamps)	: 01 No. (70 W)
Cool White Fluorescent Lamp (CWF)	: 01 No. (20 W)
TL-83 (Warm White)	: 01 No. (20 W)
Ultra-Violet Black Lamp	: 01 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
TL-83		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 Minutes.

RELATED STANDARDS

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



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 Indian Standards**