SPECTRALUX 6000 ‑ 40
LED Light source

The Spectralux 6000-40 is a 30W, CRI Ra97+ LED lightsource delivering a maximum output comparable to a 40W Metal Halide equivalent Fibre Optic Projector.

We constantly update our components in line with improving technologies within the industry to ensure the utilisation at all times of the latest and best LED chipsets and drivers.
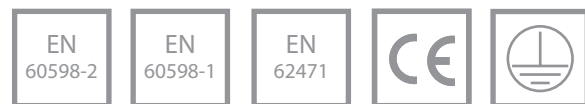
- **Product Description**

The Spectralux 6000-40 LED is a new addition to the High-performance, high CRI, range of Fibre Optic Projectors Designed and manufactured in the UK by Absolute Action.

The LED is maintained at optimum operating conditions through the use of NTC reader control within the driver, which is custom-tuned to manage current throughput to deliver conservation-standard lighting at output. This, together with the provision of assisted cooling via a near-silent Maglev fan, ensures maximum lumens per watt and assured LED longevity.

Smooth dimming is enabled under 0-10V or Dali protocols within the compatible driver, or manually for localised control via the integral potentiometer.

Light output and quality are ideal for all conservation applications, most specifically for the illumination of light-sensitive exhibits in museums, libraries and archives. The Spectralux 6000-40 is compatible with all existing industry-standard Glass and PMMA fibre systems.
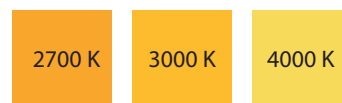
- **Standards**

| EN 60598-2 | EN 60598-1 | EN 62471 | CE | ⏚ |

- **Control**

| Manual | 0-10v | DALI | 📶 |

- **Colour Temperature**

| 2700 K | 3000 K | 4000 K |

- **Finishes**

| NVY |

General Information

Driver Unit	SELV (remote)
Driver Included	Yes (remote upto 100m)
Connection Type	IEC lead to driver, XLR lead from driver to Lightsource
Material	Steel
Applied Finish	Epoxy Powder Coating
Infrared	No
Infrared	No
UV	No

Operating & Electrical

Power Consumption	30W
Input Voltage	95V - 305V
Input Frequency	47Hz - 63Hz
Operating Temperature	-20°C to +55°C
Thermal Management	Dynamic Temperature Responsive Cooling Thermal overload protection

Control & Dimming

Dimmable	Yes
Dimming Protocols	Manual: 0-10V: Dali: WiFi
WiFi Enabled	Yes*
Colour Control	Yes*

Lighting & Optical Data

Lamp	High Density COB
Lamp Output	4,153 Lm
Colour Rendering Index	Ra 97+ as standard Ra90 available*
Lamp Life	L90 51,326 hours (A/C M/F)
Correlated Colour Temperature (K)	2700K 3000K 4000K *other CCTs available
Optic Cover / Lens	Coupling AR Optics
UV Filter	N/A

Mechanical Data

Lightsource (mm)	165 L x 117 W x 102 H
Weight	2.3Kg
Driver Unit (mm)	141 mm
Weight	1.45 kg

Certification & Guarantee

Standards	CE, BS EN 60598, BS EN 62471
IP Rating	IP35 to IP54
Warrantee	3 Years
Protection Class IEC	IEC - Class 1
* on Request	

• Dimensional Data