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Data Sheet

August 14, 2026

EXFO

Exfo FLS-600-MM-SM LED Light Source

The Exfo FLS-600-MM-SM is a versatile LED light source designed for fiber optic testing. It supports both multimode (MM) and single-mode (SM) fiber, providing stable and accurate light output for testing and troubleshooting fiber optic networks. Ideal for field and lab use.

**MODEL****Exfo FLS-600-MM-SM****CALIBRATION****Available on request****CONDITION****Used****STATUS****In stock****RFQ / SKU****FLS-600-MM-SM****LISTING**<https://aumictechlabs.com/products/fls-600-mm-sm-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The EXFO FLS-600-MM-SM is a dual-fiber LED light source engineered for multimode and single-mode optical fiber characterization in field and laboratory environments. It delivers stable, calibrated output across multiple wavelengths with tone modulation capability, supporting FTTx and passive optical network testing per ITU-T G.983.3. The handheld design combines rugged construction with intelligent calibration referencing, enabling automated parameter synchronization with compatible EXFO power meters across extended distances. Technical Specifications Supported Fiber Types: Multimode (MM) and Single-mode (SM) Wavelength Options: Configurable across 850 nm, 1300 nm, 1310 nm, 1490 nm, 1550 nm, and 1625 nm. Supports up to three single-mode wavelengths on one port or four wavelengths distributed across two ports. Output Power: MM (LED 62.5/125 μ m): ≥ -20 dBm SM Laser (standard model): +5 dBm to -50 dBm SM Laser (high-power model): +17 dBm to -35 dBm Spectral Width: LED sources (850/1300 nm): 50/135 nm Laser sources (1310/1550 nm): ≤ 5 nm Tone Generation: 270 Hz, 1 kHz,

2 kHz Calibration: Three-year interval; specifications valid at $23\text{ }^{\circ}\text{C} \pm 1\text{ }^{\circ}\text{C}$ Key Features Encircled Flux compliance ready (EF Ready) for IEC 61280-4-1 multimode testing when paired with external launch mode conditioner. Built-in rechargeable lithium-ion battery providing up to 50 hours runtime. Compact form factor: 190 mm × 100 mm × 62 mm, weighing 0.48 kg. AC adapter included. Environmental Performance: Operating range $-10\text{ }^{\circ}\text{C}$ to $50\text{ }^{\circ}\text{C}$; storage range $-40\text{ }^{\circ}\text{C}$ to $70\text{ }^{\circ}\text{C}$; humidity rated to 95 % non-condensing. Compatibility & Integration Connector options include ST, SC, LC, and E2000 (APC/UPC variants available). Distant referencing via signal encryption enables automatic wavelength and calibration recognition by compatible EXFO FPM-600 or FOT-600 power meters. Backlit LCD and keypad interface.

FLS600MMSM Characteristics / Specifications

PARAMETER	VALUE
Multimode Wavelengths Model 12D	850 +/-25 nm and 1300 +50/-20 nm
Multimode Spectral Width Model 12D	50/135 nm
Multimode Output Power Model 12D	greater than or equal to -20 / greater than or equal to -20 dBm into 62.5/125 um
Singlemode Wavelengths Model 23BL	1310 +/-20 nm and 1550 +/-20 nm
Singlemode Spectral Width Model 23BL	less than or equal to 5 nm
Singlemode Output Power Model 23BL	greater than or equal to 1 / greater than or equal to 1 dBm
Power Stability 15 min Model 12D	+/-0.05 dB
Power Stability 15 min Model 23BL	+/-0.03 dB
Power Stability 8 h	+/-0.1 dB
Auto Switching	yes
Tone Generation	270 Hz 1 kHz 2 kHz
Battery Life Typical Auto Mode	50 hours
Series Platform	EXFO 600 handheld
Size Class	190 × 100 × 55 mm family handheld envelope
Operating Temperature Class	minus 10 C to 50 C family
Fiber Types	multimode LED and singlemode laser
Configuration Class	MM plus SM two-port quad
Warranty Years Class	3 on FLS-600 literature
Specification Ambient Class	laboratory ambient unless OEM table states otherwise
Calibration Traceability Class	per OEM calibration certificate
Connector Condition Class	clean inspected connectors required for optical specs
Documentation Source Class	OEM datasheet or instruction manual
Power stability	15 min Model 12D: +/-0.05 dB
Operating temperature	Class: minus 10 C to 50 C family

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: minus 10 C to 50 C family
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Operating Temperature Class	minus 10 C to 50 C family
Fiber Types	multimode LED and singlemode laser
Configuration Class	MM plus SM two-port quad
Warranty Years Class	3 on FLS-600 literature
Specification Ambient Class	laboratory ambient unless OEM table states otherwise
Calibration Traceability Class	per OEM calibration certificate
Connector Condition Class	clean inspected connectors required for optical specs
Documentation Source Class	OEM datasheet or instruction manual Notes Numeric rows from EXFO FLS-600 Light Source specification sheet tables for models 12D and 23BL combined as MM/SM quad configurations. Confirm exact faceplate wavelength codes and port mapping.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Multimode Wavelengths Model 12D	850 +/-25 nm and 1300 +50/-20 nm
Multimode Spectral Width Model 12D	50/135 nm
Multimode Output Power Model 12D	greater than or equal to -20 / greater than or equal to -20 dBm into 62.5/125 um
Singlemode Wavelengths Model 23BL	1310 +/-20 nm and 1550 +/-20 nm
Singlemode Spectral Width Model 23BL	less than or equal to 5 nm
Singlemode Output Power Model 23BL	greater than or equal to 1 / greater than or equal to 1 dBm
Power Stability 15 min Model 12D	+/-0.05 dB
Power Stability 15 min Model 23BL	+/-0.03 dB
Power Stability 8 h	+/-0.1 dB
Auto Switching	yes
Tone Generation	270 Hz 1 kHz 2 kHz
Battery Life Typical Auto Mode	50 hours
Series Platform	EXF0 600 handheld
Size Class	190 x 100 x 55 mm family handheld envelope
Operating Temperature Class	minus 10 C to 50 C family
Fiber Types	multimode LED and singlemode laser
Configuration Class	MM plus SM two-port quad
Warranty Years Class: 3 on FLS-600 literature	
Specifications	
PARAMETER	VALUE
Specification Ambient Class	laboratory ambient unless OEM table states otherwise
Calibration Traceability Class	per OEM calibration certificate
Connector Condition Class	clean inspected connectors required for optical specs
Documentation Source Class	OEM datasheet or instruction manual

Notes

Numeric rows from EXFO FLS-600 Light Source specification sheet tables for models 12D and 23BL combined as MM/SM quad configurations. Confirm exact faceplate wavelength codes and port mapping.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.