



NEWS RELEASE

Lumentum Unveils New Transceivers to Double Fiber Capacity Across Wide Range of Transmission Distances

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- *New 400/800G ZR+ L-band pluggable modules now sampling, enabling expanded fiber capacity for data center interconnect, metro, and long-haul networks*
- *Previously announced 800G ZR+ C-band pluggable module now generally available*

SAN JOSE, Calif.--(BUSINESS WIRE)-- Lumentum Holdings Inc. ("[Lumentum](#)"), a global leader in optical and photonic solutions for the cloud and networking markets, announced today limited sampling of its new 400/800G ZR+ L-band pluggable transceivers, along with general availability of its 800G ZR+ C-band module. Both products will be showcased in live demonstrations at the 2025 [Optical Fiber Communications Conference and Exhibition](#) (OFC) at Lumentum Booth #2119 in San Francisco, California, April 1-3.

The new L-band module extends transceiver operation into the L-band spectrum, effectively doubling the usable wavelength range and available fiber capacity. It delivers 800G data rates for data center interconnect (DCI) and metro applications, while supporting 400G data rates in long-haul deployments using quadrature phase shift keying (QPSK) for optimized reach and performance.

The 400G ZR++ L-band module will be demonstrated alongside the TrueFlex® Micro Twin 2x34 integrated C and L Wavelength Selective Switch (WSS), highlighting a comprehensive and cost-effective system-level solution.

"Lumentum brings its proven high-performance optics and integration expertise to the L-band to help customers scale their networks more efficiently," said Marc Stiller, Lumentum vice president of Product Line Management. "By enabling both 800G and 400G data rates across a broader spectrum, we're helping to unlock greater capacity on existing fiber infrastructure, supporting the surging demands of AI and cloud-based applications."

Lumentum's pluggable modules are designed for direct router-to-router connectivity, reducing overall system complexity and cost. Expanding access to fiber capacity is essential as data traffic driven by artificial intelligence (AI) and machine learning (ML) continues to grow at an unprecedented pace. Both the L-band and C-band modules help address global fiber shortages while enabling the rapid scaling of

network transmission capacity.

About Lumentum

Lumentum (NASDAQ: LITE) is a market-leading designer and manufacturer of innovative optical and photonic products enabling optical networking and laser applications worldwide. Lumentum optical components and subsystems are part of virtually every type of telecom, enterprise, and data center network. Lumentum lasers enable advanced manufacturing techniques and diverse applications, including next-generation 3D sensing capabilities. Lumentum is headquartered in San Jose, California, with R&D, manufacturing, and sales offices worldwide. For more information, visit www.lumentum.com and follow Lumentum on [Bluesky](#), [Facebook](#), [Instagram](#), [LinkedIn](#), [X](#), and [YouTube](#).

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