Dual Output Picosecond Fiber Seed Laser

LIGHTWIRE DUO SERIES

FEATURES

- Two synchronized outputs
- 1025-1070 nm total output spectrum
- Pulse compressibility at 1030 nm: <200 fs
- Cost-effective design

APPLICATIONS

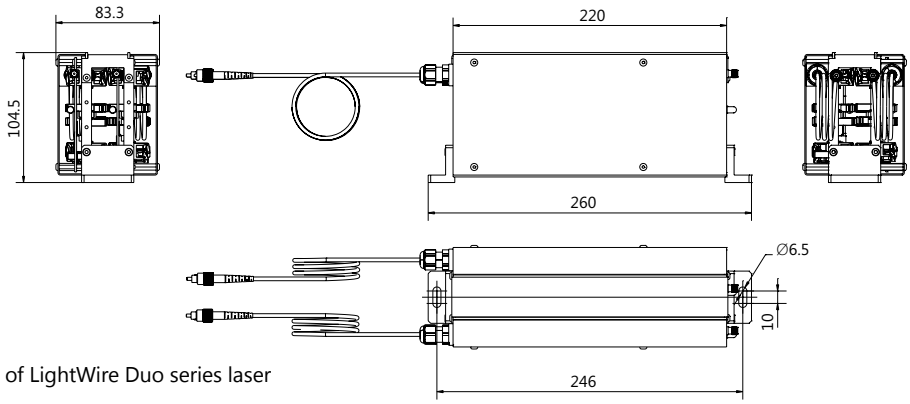
- Seeding for the complex OPCPA systems

LightWire Duo is designed with specific application in mind – synchronized seeding for the complex OPCPA system based on femtosecond Yb regenerative amplifier and Nd pump laser. Different spectral regions required to seed Yb and Nd lasers are usually covered with external nonlinear spectrum conversion. LightWire Duo provides seed for both laser systems directly from fiber, simplifying your setup.

SPECIFICATIONS

Model	LightWire Duo
Total output spectrum	1025-1070 nm
Pulse duration at 1030 nm	3 ps, compressible to <200 fs [1]
Pulse duration at 1064 nm	<6 ps; optional: 50-600 ps fixed, linearly chirped
Pulse energy	>100 pJ at 1030 nm, >50 pJ at 1064 nm [2]
Optical output	FC/APC connector or collimated beam
Pulse repetition rate	30 MHz
Beam quality	M^2<1.1
Dimensions (stand-alone unit) (D×W×H)	260×105×84 mm
Weight	<3 kg
Power supply	100-240 V, 50-60 Hz AC or 12 V DC
Operating conditions	10-40 °C, humidity – not condensing

[1] All parameters for 1030 nm CWL are given considering 10 nm bandwidth
[2] All parameters for 1064 nm CWL are given considering 0.3 nm bandwidth



Outline drawings of LightWire Duo series laser

EKSPLA • Tel.: +370 5 264 96 29 • Fax: +370 5 264 18 09 • sales@ekspla.com • www.ekspla.com