Effective immediately, laser sources manufactured by Redfern Integrated Optics (RIO) are available at LASER COMPONENTS. The single-frequency external cavity lasers (ECLs), which are based on RIO’s PLANEX™ proprietary planar technology are well suited for applications that place high demands on absolute precision, lifetime (even under harsh environmental conditions in the field during application), or a high attainable resolution.

PLANEX™ lasers consist of an amplification chip and a planar waveguide structure (PLC) with an integrated Bragg grating. The combination of these elements results in a laser with a large laser cavity and optical output power of up to 20 mW. Further advantages are the low relative intensity noise (RIN), ultra-low phase noise, small line width, and a low wavelength sensitivity regarding bias current and temperature.