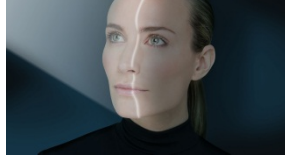


## Product News



### Marketing Contact

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## OXYGEN DETECTION

Your compact laser source.

**Berlin/Germany, 11<sup>th</sup> February 2016: eagleyard Photonics GmbH offers a single frequency laser diode – the cost effective and compact alternative for oxygen detection**

Gas spectroscopy is a powerful tool for oxygen detection. eagleyard's single frequency laser diode hits the strongest absorption lines of oxygen which is essential for this kind of application.

Due to its significantly higher output power compared with other technological solutions (e.g. VCSEL) our RWS-760 is perfectly suited for smoky combustion applications and very dusty and harsh environments.

- available wavelengths 760 nm or 764 nm
- high output power up to 40 mW
- extremely small linewidth  $< 0.1$  pm
- high side mode suppression ratio SMSR  $>30$  dB
- long term stability
- available in a small 5.6 mm and 9 mm TO-housing

Due to its superior spectral characteristics this laser diode is well suited for all kind of oxygen detection. In particular for the life science market serving application fields such as medical, pharmaceutical, chemical and food industry. The aviation industry and the power generation market also benefit from this compact laser diode.

If you would like to learn more about this laser diode and how we can support your application please come and visit us at Photonics West in San Francisco from 16 – 18 February at booth #932 in Hall A.

You will find the relevant datasheets at our website:

[http://www.eagleyard.com/fileadmin/downloads/data\\_sheets/EYP-RWS-0760-00040-1500-SOT02-0000.pdf](http://www.eagleyard.com/fileadmin/downloads/data_sheets/EYP-RWS-0760-00040-1500-SOT02-0000.pdf)  
[http://www.eagleyard.com/fileadmin/downloads/data\\_sheets/EYP-RWS-0760-00040-1500-TOS52-0000.pdf](http://www.eagleyard.com/fileadmin/downloads/data_sheets/EYP-RWS-0760-00040-1500-TOS52-0000.pdf)

**About eagleyard:**

**eagleyard Photonics'** core competence is the development, production and sale of innovative high-power laser diodes based on GaAs (Gallium Arsenide). Its portfolio contains laser diodes with wavelengths ranging from 633 nm to 1120 nm. These laser diodes are addressing a variety of applications such as aerospace and defense, spectroscopy, medical instrumentation, test & measurement and material analysis. The Portfolio is split in five product families: Single Mode Laser Diodes, Single Frequency Laser Diodes, Multimode Laser Diodes, Tapered Amplifiers and Gain Chips. *eagleyard* is represented worldwide, in particular in Europe, Asia and the United States of America. *eagleyard Photonics* started as a spin-off from the *Ferdinand-Braun Institut (FBH)* in 2002. In 2013 *Toptica Photonics AG* has acquired the majority ownership of Berlin-based *eagleyard Photonics GmbH*. For more information, please visit our website at [www.eagleyard.com](http://www.eagleyard.com)