Press Release

SLD Laser Demonstrates 1000 Lumen, Laser Based White Light Source for automotive, portable and specialty lighting;

Company to showcase its products at LightFair in Chicago May 8-10, 2018

May 3, 2018 – Goleta, California – SLD Laser, a world leader in commercialization of visible laser light sources, today announced it has demonstrated a laser based white light source with 1000 lumens CW output from its miniature 7mm surface mount device (SMD) package.

Built on its award winning LaserLight SMD platform, this lumen output is more than two times higher than SLD Laser's current generation of commercialized light sources and modules. The light emitting surface is 350 microns in diameter, corresponding to a luminance level of approximately 1530 million candela per square meter (Mcd/m^2), an industry first for any solid state light source, and about 10 times higher than the highest luminance LEDs.

"SLD Laser continues to push the boundaries of performance and this result shows the strength of our development roadmap in increasing levels of lumen output and density," said Dr. Paul Rudy, CMO of SLD Laser. "The LaserLight platform offers great opportunities for automotive and specialty lighting such as portable, architectural, outdoor, entertainment and fiber optic lighting systems."

SLD Laser has recently won important awards in the fields of lighting and photonics including:

- Sapphire Award for Innovation at the Strategies in Light trade show for the LaserLight Fiber Module Product
- Design Plus Award at the 2018 Light + Building Trade Fair for the LaserLight MicroSpot Module that implements the LaserLight SMD with a collimating optic

In addition, with very high luminance levels and high speed laser modulation, LaserLight technology improves the performance of dynamic beam shaping in automotive lighting, LiFi communication and increases signal to noise for sensing applications.

The light source tested utilizes the company's proprietary and patented semi-polar GaN laser diodes combined with advanced phosphor chip technology and novel high luminance packaging. SLD Laser will be exhibiting products and applications at LightFair International May 8-10 in Chicago, IL at booth #5640.

About SLD Laser

SLD Laser is commercializing a new generation of visible laser light sources for automotive, specialty lighting, and display applications. The company is ISO 9001 certified and automotive compliant to IATF 16949, and operates facilities in Santa Barbara, CA and in Fremont, CA. SLD Laser's high luminance LaserLight sources are being adopted in a myriad of applications including automotive headlights, specialty lighting in entertainment and architecture, projection displays, biomedical instrumentation & therapeutics, and industrial imaging & material processing. SLD Laser is an independent spin-off from Soraa Inc. (LED lighting) and was founded by several leading global pioneers in solid-state lighting, including Dr. Shuji Nakamura, 2014 Nobel Laureate in Physics, Dr. Steve Denbaars, Dr. James Raring, and Dr. Paul Rudy. To learn more about SLD Laser, visit http://www.SLDLaser.com, or contact the company at info@SLDLaser.com or 805-696-6999.

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