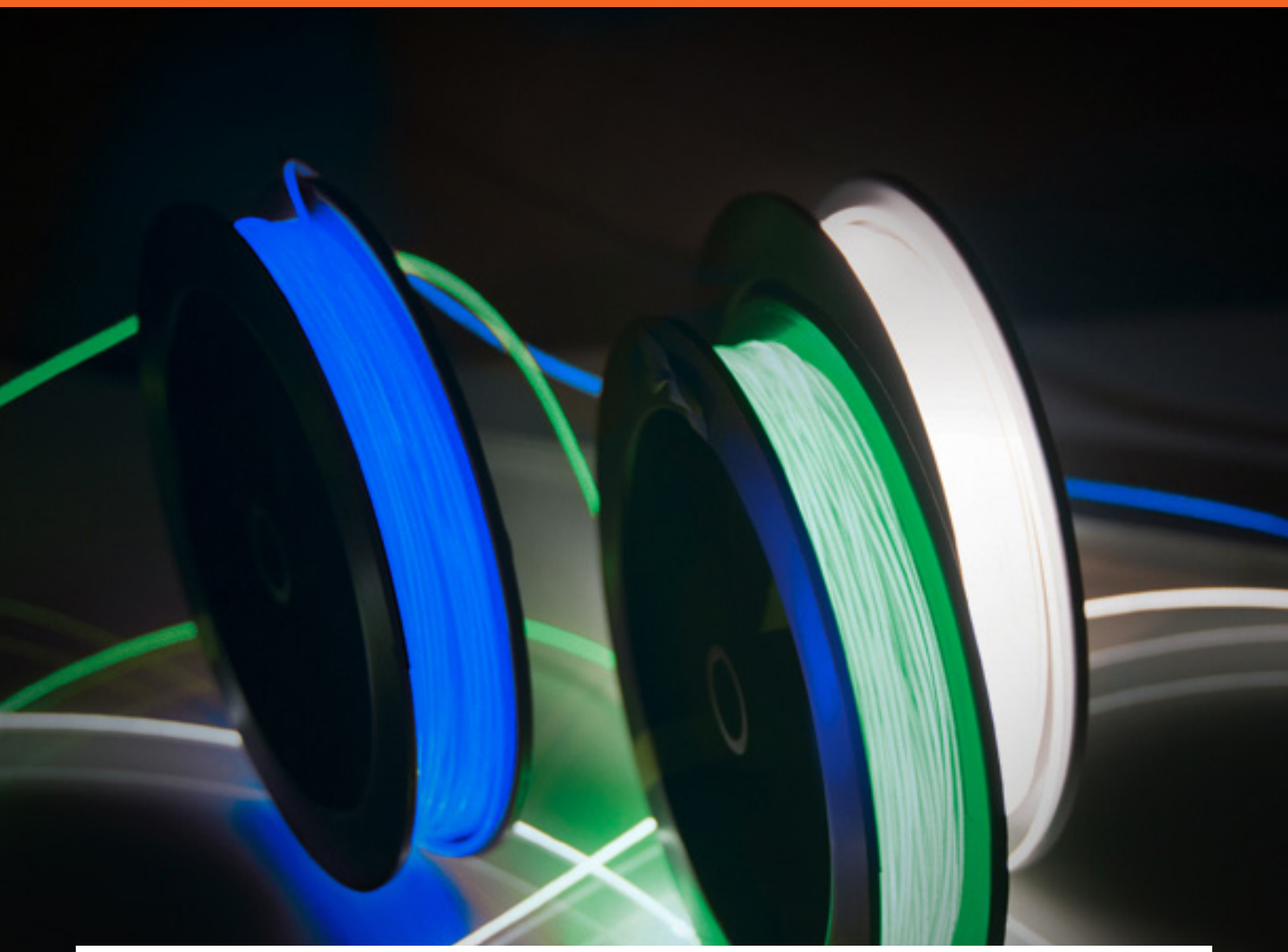
www.osram-os.com



Light is experience

OSRAM Laser Diodes and Corning® Fibrance™ Light-Diffusing Fiber, the perfect match

Light is OSRAM

CORNING

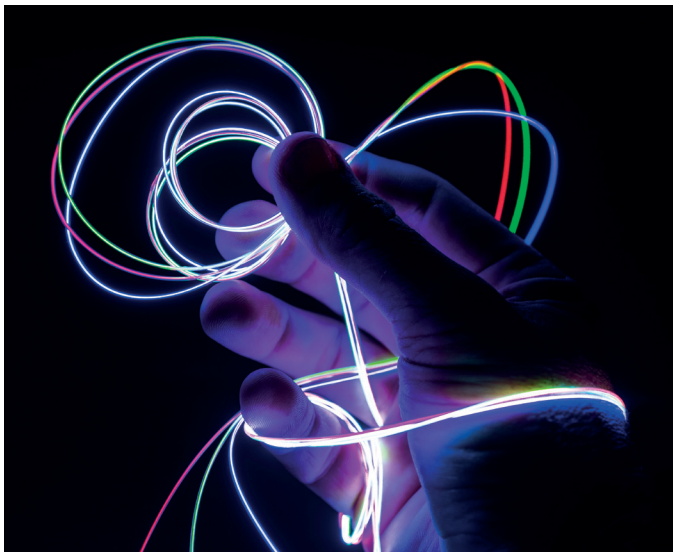
OSRAM
Opto Semiconductors

Unleash your creativity with our laser diodes and the new Corning® Fibrance™ Light-Diffusing Fiber

Enhance the appeal of your products with an exciting new lighting experience, never before possible with other light sources. With OSRAM Opto Semiconductors laser diodes illuminated with Corning's Light-Diffusing, flexible optical fiber you can create unique lighting designs with thin, colorful, uniform aesthetic lighting.







Illuminate electronic devices, environments or white goods in new, exciting ways. Embed light into the fabric of automotive interiors or apparel. Offer surfboards, skis or helmets that literally shine. And do it all with the highest quality laser diodes, coupled with the most advanced fiber available.

Technology that conforms to your purpose

With our laser diodes and Corning fiber, you can:

- Curve, wrap or contour around objects while maintaining bright, uniform light with this flexible fiber. Laser diodes enable dynamic color control, as well as infinite form, fit and color possibilities.
- Seamlessly embed light into product structures and fabrics. So small and thin it's nearly invisible when the light is off and can enhance the overall aesthetic of your product.
- Provide real illumination. Fibrance fibers disperse the light from laser diodes, allowing vibrant and clear colors with illumination up to 10 meters.
- The possibility to locate the laser remotely from the fiber enables new, exciting applications. For instance, remote lighting is easy when you use transmission fiber to carry light.

Unlimited possibilities

- Automotive interior ambient lighting
- Consumer electronics
- Architectural/retail lighting
- Swimming pool and spa illumination
- White goods
- Apparel
- Sporting equipment
- Outdoor displays and signage

Products

PL 520

- Optical output power (continuous wave): 50mW(T_{Case}= 25°C)
- Typ. emission wavelength: 520nm
- Efficient radiation source for cw and pulsed operation
- Single transverse mode semiconductor laser
- High modulation bandwidth
- Miniaturized TO38 ICut package
- Laser diode isolated against package

PL 450B

- Typ. emission wavelength 450nm
- Efficient radiation source for cw and pulsed operation
- Single transverse mode semiconductor laser
- High modulation bandwidth
- Miniaturized TO38 ICut package
- Laser diode isolated against package

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