

## SOLA SM II light engine®

NO BULBS. MORE POWER. AN EXCELLENT INVESTMENT.



- ▶ Brighter
- ▶ Quieter
- ▶ Cleaner optics
- ▶ New safety feature: LLG interlock
- ▶ Lower power consumption
- ▶ Reduced footprint
- ▶ More robust for harsh environments



### Solid State, White Light Excitation Subsystem

State of the Art Solid State Lighting for Microscopists and Instrument Manufacturers

The SOLA SM light engine has proven its value in the life science marketplace: it's the best performing, white light illuminator and the only really sensible alternative to a dated, mercury containing lamp.

Now the SOLA SM light engine is even better. The SOLA SM II light engine is as easy to operate as the original with as much as 3x the teal power and overall about 30% more visible light than the first generation. Expect on the order of 2.5 watts of visible light pumped through the light guide, giving ample intensity for even the most demanding microscope applications.

SOLA's solid state sources produce an intense spectrum of light from 380 to 680 nm, providing bright, visible wavelengths with no unwanted UV or near IR. The light is safer for you and for your samples.

Like all Lumencor light engines, the SOLA SM II light engine is extremely stable with less than 2% drift over 24 hours of continuous operation. Warmup time is essentially instantaneous, with stabilized output

achieved within 1s at the flip of a switch or the tap of a foot pedal.

Why would anyone use an arc lamp when SOLA SM II light engine produces more light, much less heat and requires no maintenance?

SOLA SM II is both cool and efficient. An updated optics and heat management design means the optics stay cleaner, the product is more efficient, the system is overall more robust and the footprint is smaller than the original.

SOLA SM II light engine requires no replaceable parts (no bulbs), demands very low power and has a working lifetime that far exceeds that of any lamp. All light engines are mercury free and RoHS compliant.

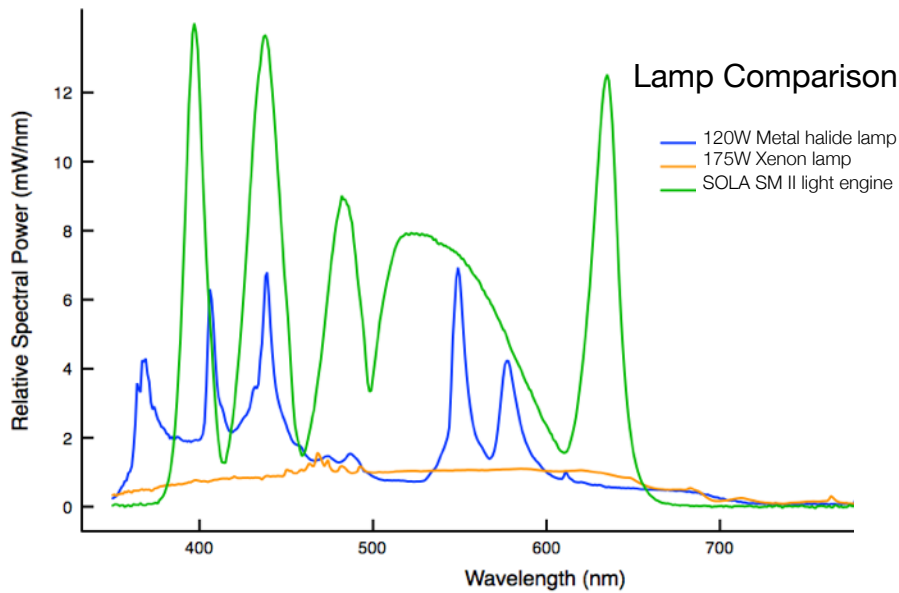
SOLA SM II LE ships with a light guide adapter, power supply and cord.

---

For more information on SOLA SM II light engine please contact us at Lumencor, Inc. at [info@lumencor.com](mailto:info@lumencor.com).



SOLA SM II light engine® > 20,000 Hours of Bright Visible, White Light



Low price, powerful, white light with no harmful wavelengths

High performance, stable, robust lighting with easy operation at an affordable price

Features	Details
Sources	Multiple solid state sources operating simultaneously to produce white light
Wavelength Range	380 - 680 nm, OEM customizations upon request for UV and NIR
Power and Intensity	~ 2.5 W power and ~ 30-40 W/cm <sup>2</sup> intensity with 3 mm dia liquid light guide (LLG)
Warmup Time	1 Second
Light Delivery	3 mm dia liquid light guide; LLG and microscope collimator sold separately
Easy to Install	Pre-aligned, simple to operate with hand switch or foot pedal, no maintenance
Lifetime	> 20,000 hours, 12 month warranty to end user
Control Interface	On/Off switch and optional foot pedal plug located on rear panel
Power Requirements	120 W, 24 VDC, 5 A
Dimensions (W x L x H)	12.5 x 16.3 x 26.3 cm <sup>3</sup>
Weight	3.6 kg
Package Contents	SOLA SM II light engine®, power supply and cord



GET IN TOUCH

Lumencor, Inc.

14964 NW Greenbrier Parkway, Beaverton, OR 97006 USA • T 503.213.4269 • www.lumencor.com

©2013 Lumencor, Inc. • Effective Date: 7/2013 • Document Number 54-10004