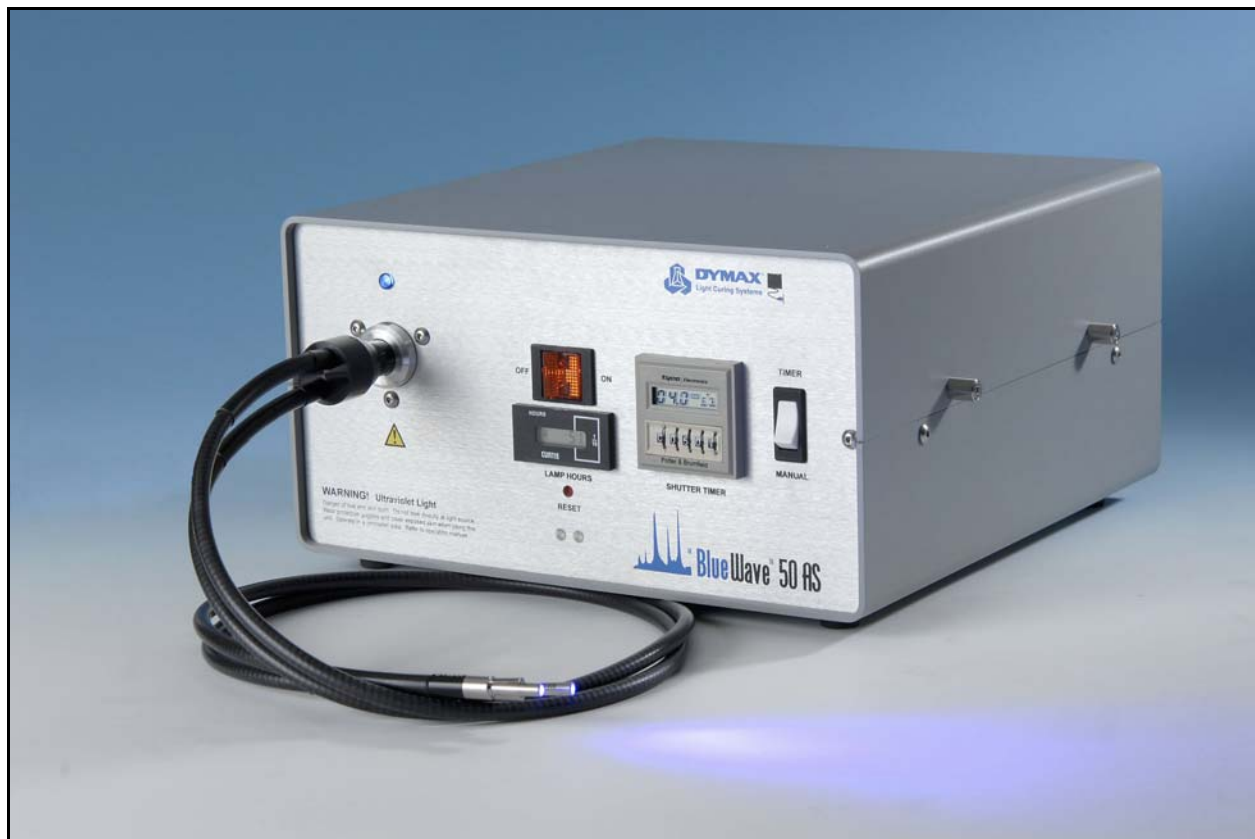




# BlueWave™ 50 AS UV Light Curing Spot Lamp

The BlueWave™ 50 AS UV light curing spot lamp is economical and simple to operate. It emits primarily UVA and blue visible light (300-450 nm) and is designed for curing UV adhesives, coatings and encapsulants. The *BlueWave 50 AS* contains an integral shutter which can be actuated by a foot pedal or PLC making it ideal for both manual and automated processes. A solid-state power supply provides consistent performance at any voltage (90-263V, 47-63 Hz). A proprietary “Cool Blue™ Filter” protects liquid-filled lightguides from degradation, virtually eliminating the need to replace lightguides. Low initial cost, long lasting liquid lightguides, and 2,000-4,000 hour bulb life make the *BlueWave 50 AS* one of the most economical UV light curing spot lamps on the market.



## FEATURES

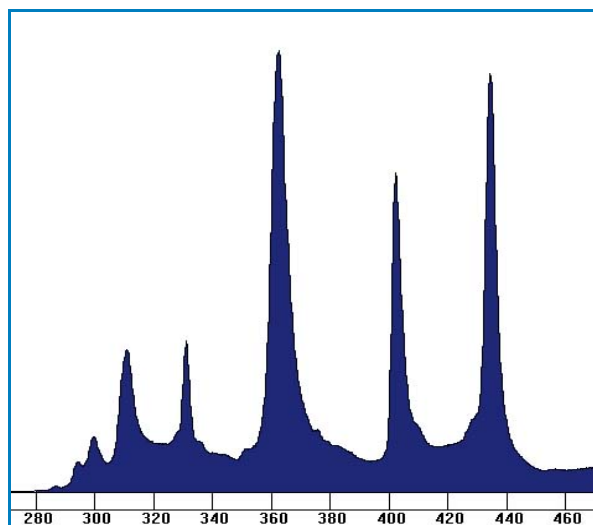
3,000 mW/cm <sup>2</sup> nominal <sup>1</sup>	2,000 hour bulb warranty (up to 4,000 hour life expectancy)
Solid state power supply (100-260V, 50-60 Hz)	Fast bulb replacement
Proprietary “Cool Blue™ Filter” virtually eliminates liquid lightguide degradation	Wide range of lightguides available (liquid/fiber, single/multi-pole, various lengths)
Digital shutter timer (manual and timed modes)	Foot switch or PLC controlled shutter

<sup>1</sup> As measured through a 5 mm liquid lightguide with an ACCU-CAL™ 50 Radiometer (320-395 nm)

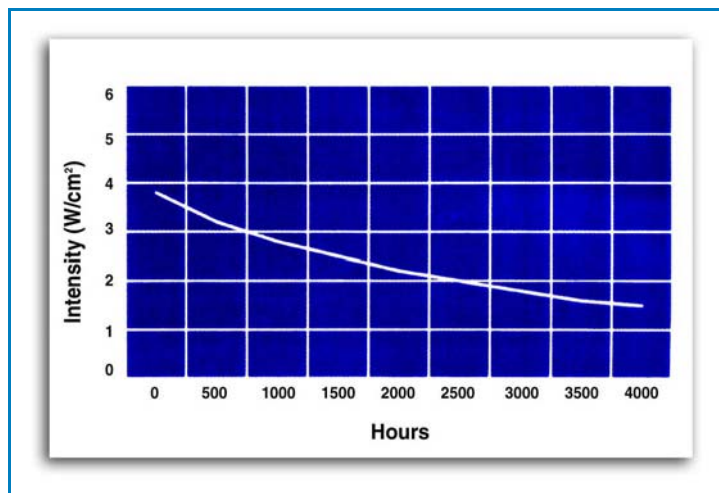
## SPECIFICATIONS

UV Output	3,000 mW/cm <sup>2</sup> nominal
Power Requirements	90-265, 47-63 Hz
Power Supply	Solid State, 50 Watt
Bulb	50 Watt short arc mercury; fast bulb replacement
Reflector	Elliptical; glass with dichroic coating to reflect UV and minimize IR
Shutter Timer	Digital LCD timer up to 99.99 seconds; manual or time shutter
Shutter Activation	Foot switch or user supplied switching mechanism
Cooling	Filtered, dual-fan arrangement; thermally controlled to maintain proper lamp temperature
Hour Meter	Digital LCD
Housing Dimensions	12" x 11.5" x 6.5" (30.6 cm x 29.2 cm x 16.5 cm)
Weight	12 lbs. (5.4 kg)
System Warranty	1 year from purchase
Bulb Warranty	2,000 hours (no intensity warranty during 2,000 hours, only lighting)
Part Number	<b>39370</b>
Replacement Bulb PN	<b>5120</b>
Recommended Lightguides <i>(sold separately)</i>	<b>5720</b> (5 mm x 1 M liquid-filled lightguide) 3,000 mW/cm <sup>2</sup> nominal <b>5721</b> (5 mm x 1.5 M liquid-filled lightguide) 2,600 mW/cm <sup>2</sup> nominal <b>5722</b> (8 mm x 1 M liquid-filled lightguide) 2,000 mW/cm <sup>2</sup> nominal

### SPECTRAL DISTRIBUTION



### TYPICAL INTENSITY VS. TIME *(using a 5 mm lightguide, sold separately)*



*For further assistance with adhesive and equipment selection, contact your DYMAX Applications Engineer.*

In the U.S. Call: 877.396.2988  
 In North and South America Call: 860.482.1010  
 In Europe Call: 0049.69.7165.3568  
 In Asia Call: 852.2460.7038

[www.dymax.com](http://www.dymax.com)

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