



BlueWave[™] 50

UV Spot Light System

The DYMAX BlueWave[™] 50 UV Spot Light is a state of the art curing lamp. Its combination of curing capability and bulb longevity makes it the economical workhorse of the industry. The BlueWave 50 maximises UV light output for quick and complete surface cure, whilst minimising IR, reducing the risk of component overheating. It can be used in manual applications or mounted for automated processes. The efficient performance of the BlueWave 50 makes it an ideal lamp for curing applications in disposable medical device manufacture, electronics assembly, optics and other industrial spot curing applications.



BlueWave 50 Spot Light shown with liquid lightguide

Efficient cure with more features for low running costs and user safety:

- Pre-focused, highest quality, 100% tested bulb producing over 3000 mW/cm² at 365 nm
- 2000 hour bulb warranty; up to 4000 hour life expectancy
- Choice of lightguides available
- Visual bulb lit indicator
- Lightguide locking mechanism
- Durable & attractive casing, cleanroom ready
- Isolated bulb chamber
- Digital LCD timer

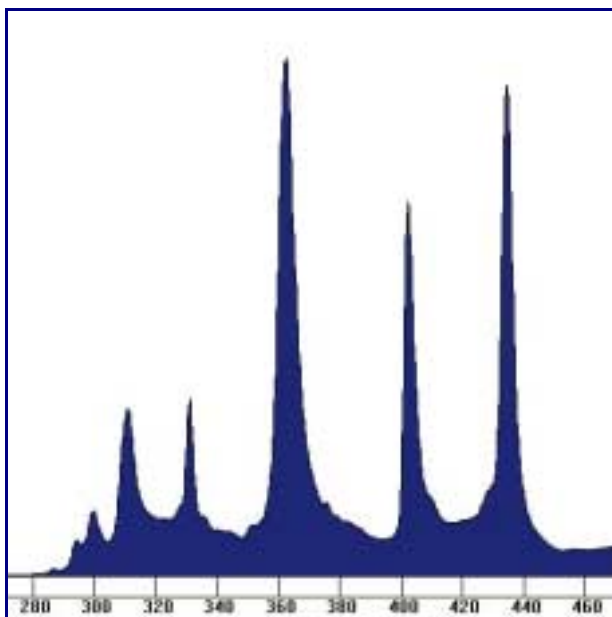
Features and Benefits

- Digital shutter timer can be activated manually by footswitch or by PLC for greater process flexibility.
- Pre-focused bulb reflector assembly ensures maximum output every bulb change. The bulb can be replaced in approximately one minute.
- Low maintenance and up to 4000 hour bulb life results in minimal downtime and higher throughput, with low cost of ownership.
- Thermally controlled, dual fan cooling/filtering system ensures optimal operating temperature for long bulb life. Dust filters prevent internal contamination.
- Proprietary dichroic reflector coating, with additional optical filter, provides maximum UV output with minimum heat for greater flexibility in processing and reduced risk of damaging adhesives or parts.
- The BlueWave 50 has a two year warranty (except bulb and lightguide).

BlueWave 50 Specifications

UV Output	3000+ mW/cm ² at 365 nm as measured with an ACCU-CAL™ 30 Radiometer or EIT® Spot Cure Light Meter
Power Requirements	P/N: 38920 (230V, 50 Hz) P/N: 38925 (115V, 60 Hz)
Power Supply	50 Watt linear
Bulb	50 Watt short arc Mercury pre-focused in reflector; allows changes in approximately one minute
Reflector	Elliptical, glass dichroic coating to reflect UV eliminates IR
Shutter Timer	Digital LCD, standard single-shot count down; other timer programs are available
Shutter Activation	Remote foot switch or user-supplied switch
Cooling	Filtered, dual-fan arrangement, thermally controlled to maintain optimal operating temperature
Hour Meter	Digital LCD
Housing Dimensions	30.6 cm x 29.2 cm x 16.5 cm
Weight	9.5 kg

Spectral Distribution

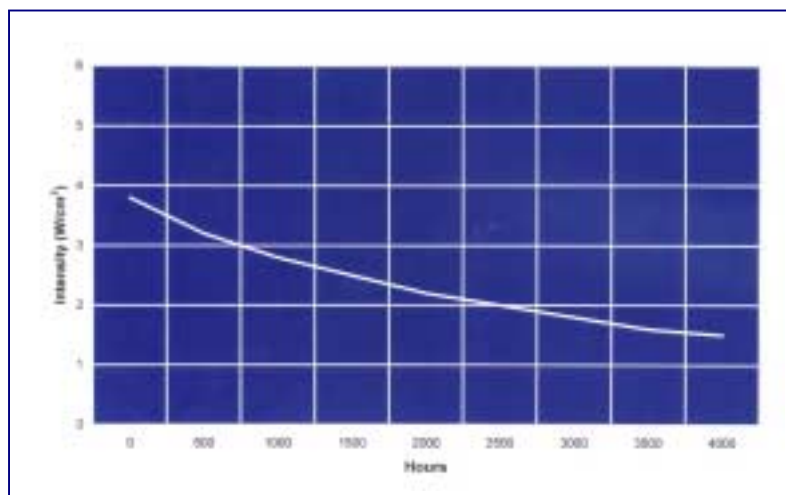


If you are looking for a solution to your application problem, please call the DYMAX Technical Center:

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Intensity vs. Time



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Please note that most dispensing and curing system applications are unique. DYMAX does not warrant the fitness of the product for the intended application. Any warranty applicable to the product, its application and use is strictly limited to that contained in DYMAX's standard Conditions of Sale. DYMAX recommends that any intended application be evaluated and tested by the user to insure that desired performance criteria are satisfied. DYMAX is willing to assist users in their performance testing and evaluation by offering equipment trial rental and leasing programs to assist in such testing and evaluations. Data sheets are available for valve controllers or pressure pots upon request.

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