

# DYM 40960



## Dymax BlueWave® LED Spot Curing System, LED Curing Lamp

### Description

The **Dymax BlueWave LED Spot Curing System** offers many advantages over conventional spot curing systems, including no bulbs to change, cool cures, no warm up and constant intensity for thousands of hours. It generates curing energy using high intensity LEDs. This LED curing lamp system emits maximum light intensity output through a 5mm diameter lightguide, and allows users to adjust intensity output from 0% to 100%. The relatively narrow frequency band produced by LEDs generates cooler curing temperatures.

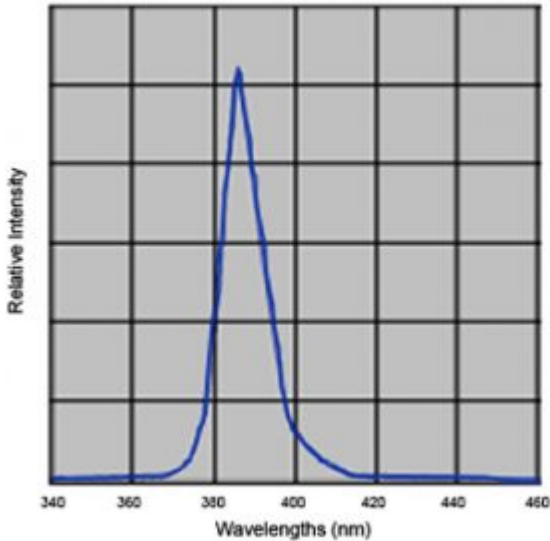
The BlueWave LED system is available with an output peak 385nm ("Prime") or 405nm ("Visicure"). [Contact us for assistance](#) in determining which wavelength is preferable for your application.

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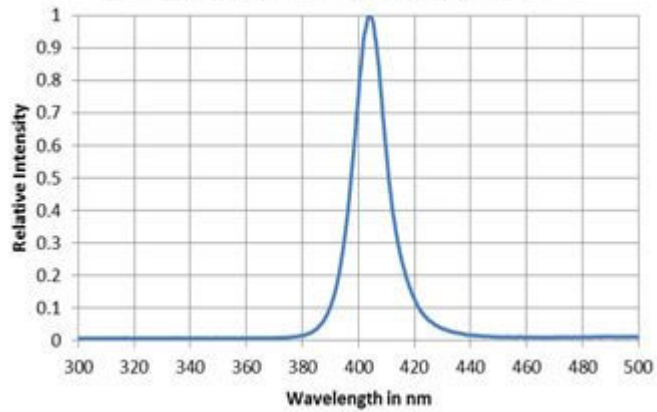


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BlueWave LED Prime UVA Spectral Distribution



BlueWave LED VisiCure Spectral Output



### Features & Benefits

- Optimised design for curing a wide range of formulations
- Constant intensity
- Low cost to purchase and maintain (high ROI)
- Cool cures – ideal for thermally sensitive substrates
- Variety of compatible lightguide configurations
- Useful LED life of over 50,000 hours
- Intensity adjustment feature from 0% to 100%
- Instant on/off (no warm up)

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Small form factor

- Foot switch or PLC controlled exposure time

### Applications

The Dymax BlueWave LED system is excellent for spot curing of various coatings, as well as adhesive bonding of polycarbonate, PVC, PET, metal, glass and many other substrates.

Recommended Lightguides	
Part number	Description (liquid filled, quartz fibre also available)
DYM5720	Single pole 5mm x 1m
DYM5721	Single pole 5mm x 1.5m
DYM5722	Single pole 8mm x 1m
DYM38476	Two pole 3mm x 1m

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### Recommended Lightguides

DYM38477	Three pole 3mm x 1m
DYM38478	Four pole 3mm x 1m

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Dymax lightguide single pole



Dymax lightguide two pole



Dymax lightguide three pole



Dymax lightguide four pole

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### Specifications

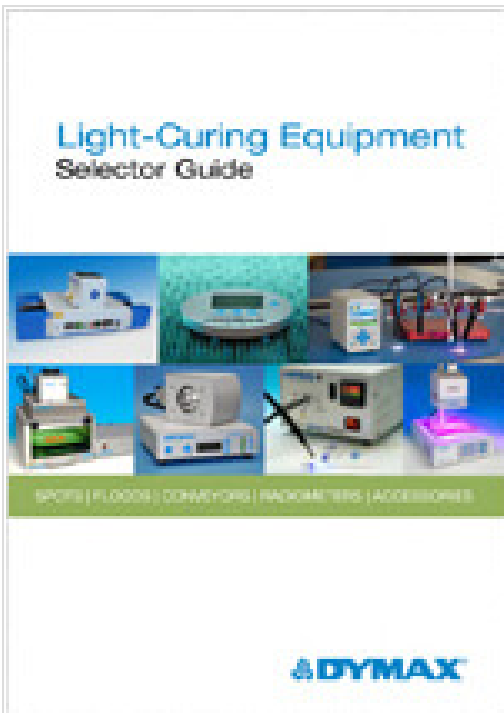
Output	>15 W/cm <sup>2</sup> adjustable from 0% to 100%
Power requirements	100-240V, 47-63 Hz (auto ranging)
LED timer	Digital LCD timer up to 99.99 seconds: manual and timed exposure
LED activation	Foot switch or PLC
Cooling	Single filtered fan: thermally controlled to maintain proper LED temperature
Hour meter	Digital LCD
Housing dimension	21.3cm x 22.2cm x 14.0cm
Weight	2.45 kg

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### Other Information



[Download the Dymax Light Curing Equipment Selector Guide](#)

See our [Technical Bulletins & Articles](#) page for: [LED Curing of Light-Curable Materials – Unraveling the Myths and Realities](#) – by Gary Zubricky and Kirk Middlemass, DYNAMAX Corp, a white paper about LED

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curing.

### Ordering Information

Part number	Description
DYM40960	DYMAX BlueWave LED Prime UVA Spot Curing System
DYM41064	DYMAX BlueWave LED Visicure Spot Curing System
DYM5720	Lightguide 5mm x 1m liquid filled

Supplied by:

**intertronics**

INTERTRONICS

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Last updated: March 2018 Version: 5.0

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