

# DYM41572



## Dymax BlueWave® QX4™ LED UV Spot Curing Lamp

### Description

The Dymax **BlueWave QX4 high intensity LED UV spot curing lamp** features all the benefits of LED curing technology in a small, versatile unit. This system comprises a controller with a foot switch and up to four LED heads. The LED heads are available in 365nm, 385nm, and 405nm and can be outfitted with 3mm, 5mm, or 8mm diameter focusing lenses. LED heads and focusing lenses can be used in any combination and can be controlled through the system's variable mode, a feature that allows each head to be operated independently and individually programmed for intensity and cycle times. Individual exposure times and intensity settings can be set to 1% increments for each LED head, giving users maximum curing flexibility.

Peak intensity is up to  $18,800 \text{ mW/cm}^2$  of curing energy. The **BlueWave QX4** is capable of curing compatible adhesives, coatings, sealants and other light-curable materials quickly – often in a few seconds. Full output specifications are detailed in the product data sheet.

In addition to the curing flexibility, the **BlueWave QX4** also features an easy-to-use control interface that allows flexibility in setup and use of the unit. The unit can be activated by foot pedal or by PLC interface, allowing it to be easily incorporated into automated systems.

### Features & Benefits

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Features	Benefits
One controller with up to four LED heads	· Provides maximum application flexibility
LED heads available in 365nm (RediCure), 385nm (PrimeCure), or 405nm (VisiCure) wavelengths	· Compatible with a variety of UV and visible light-curable materials · Wavelength flexibility allows co-optimization of adhesive and curing system for best cure · Units can be custom configured to your curing requirements
Variable mode allows each LED head to be programmed and operated independently	· Compatible with a variety of UV and visible light-curable materials · Wavelength flexibility allows co-optimization of adhesive and curing system for optimal cure · Units can be custom configured to your curing requirements
Interchangeable/Replaceable focusing lenses in 3mm, 5mm and 8mm diameters	· Allows tailoring of the unit to your curing requirements
Instant on-off	· No warm-up period · More energy efficient

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Features	Benefits
Efficient LED-head temperature management	<ul style="list-style-type: none"><li>· Maximized continuous operation without overheating</li><li>· Comfortable hand-held operating temperature</li><li>· Temperature monitoring assures maximum LED life</li></ul>
PLC interface	<ul style="list-style-type: none"><li>· Easily incorporated into automated systems</li></ul>

### System Components

Complete BlueWave QX4 systems feature:

- a controller/power supply with a foot switch
- up to four LED heads/wands
- three available lens diameters for each head/wand

The length of the head/wand with the direct wired cable is 1.0m (end to end). All components are available separately to enable upgrading and experimentation.

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### Specifications

Property	Specification		
LED Head	RediCure 365	PrimeCure 385	VisiCure 405
Output Frequency	365nm	385nm	405nm
Intensity Output*	13.9 W/cm <sup>2</sup>	18.8 W/cm <sup>2</sup>	14.9 W/cm <sup>2</sup>
Power Supply Input	100-240 V ~2A	50/60 Hz	
LED Timer	0.1 to 999 seconds		
LED Activation	Footswitch, front panel, or PLC		
Cooling	Natural convection		
Controller Dimensions	9.0cm x 14.1cm x 13.7cm (W x D x H)		
Weight	Controller: 1.03kg / Head: 0.08kg		
Unit Warranty	1 year from purchase date		

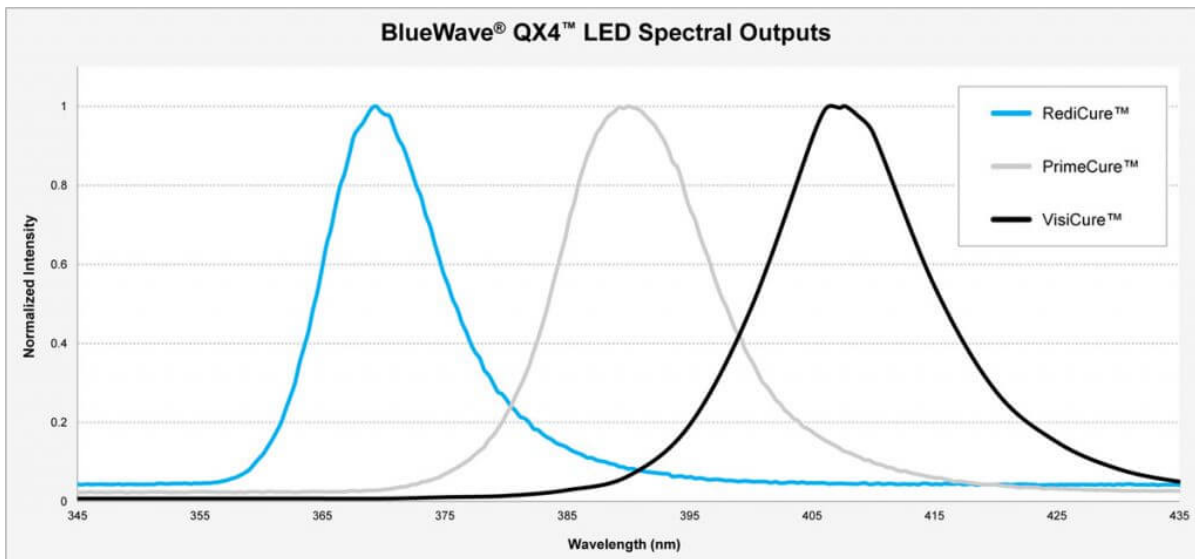
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Property	Specification
Operating Environment	5-40°C, non-condensing

\*Measured with a 3mm lens using a Dymax ACCU-CAL 50-LED Radiometer, in spot mode using the BlueWave QX4 Integrated Optic Adapter



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### Ordering Information

System Components	Description
DYM41572	Power Supply
DYM5028	Foot Switch
DYM43161	RediCure® 365nm LED Head/Wand
DYM43162	PrimeCure® 385nm LED Head/Wand
DYM43163	VisiCure® 405nm LED Head/Wand
DYM43164	3mm Lens
DYM43165	5mm Lens
DYM43166	8mm Lens
<b>Connection Cable Extensions</b>	
DYM41563	0.5m
DYM41564	1.0m

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## Dymax BlueWave® QX4™ LED UV Spot Curing Lamp

System Components	Description
DYM41565	1.5m
DYM41566	2.0m

Supplied by:



INTERTRONICS

12a Station Field Industrial Estate, Banbury Road, Kidlington

Oxfordshire England OX5 1JD

t 01865 842842 e [info@intertronics.co.uk](mailto:info@intertronics.co.uk)

Last updated: December 2018 Version: 2.0

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