Dymax BlueWave® LED Flood Curing Lamp for UV and Visible Light Curing Materials

Description

The Dymax **BlueWave LED Flood Curing Lamp System** offers high-intensity curing energy over a 12.7 cm x 12.7 cm area. Cure times in the 5-30 second range are typical when using Dymax light-curable materials. This unit is simple to operate and can be used as a stand-alone system or easily integrated into automated assembly systems. Dymax offers the BlueWave Flood Curing System in three different irradiator wavelength array configurations (365, 385, and 405 nm) so users can fully optimise the curing process between their light-curable material and the curing system. The BlueWave LED Flood Curing System offers all the benefits of LED light-curing technology including more consistent intensity, less energy consumption, a shutter-free design, instant on/off, and cooler curing temperatures. Standard systems include one array, a power supply, and appropriate power and interface cords. Optional accessories such as shields and stands are available and sold separately.

Multi-Array Uniformity

The following graphs illustrate the Dymax BlueWave LED Flood Lamp's high uniformity when multiple arrays are positioned next to each other. This is especially important in conveyor applications to ensure a consistent cure across the entire substrate.

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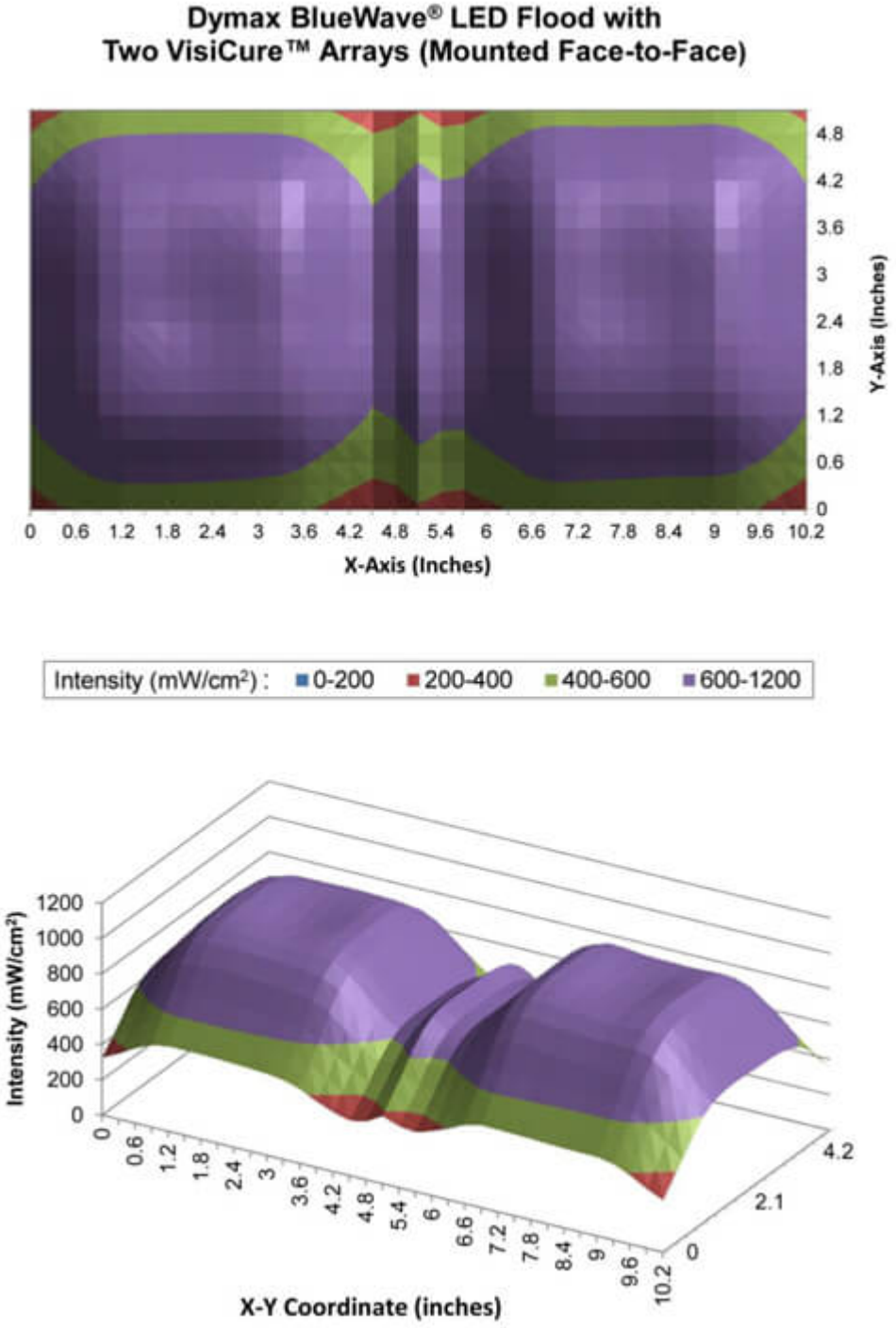

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Features & Benefits

- 12.7 cm x 12.7 cm active cure area
- LED flood array available in 365, 385, and 405nm wavelength options, which allows the matching of adhesive and curing system for optimal cure
- Compatible with a variety of UV and visible light-curable materials
- Consistent frequency and intensity output for better process control. Intensity is adjustable for specific applications
- Instant on/off, no warm up time needed
- Longer life and lower energy consumption than conventional broad spectrum arc lamps
- Mercury-free, environmentally friendly LED has no hazardous waste disposal requirements and no ozone generation
- Cooler cure environment for thermally sensitive substrates
- No mechanical shutter needed
- Reliable operation with lower maintenance costs (no moving parts)
- Flexibility to use as a bench-top cure system or mount the LED flood array remotely from the power supply for automated process equipment or conveyor integration

Specifications

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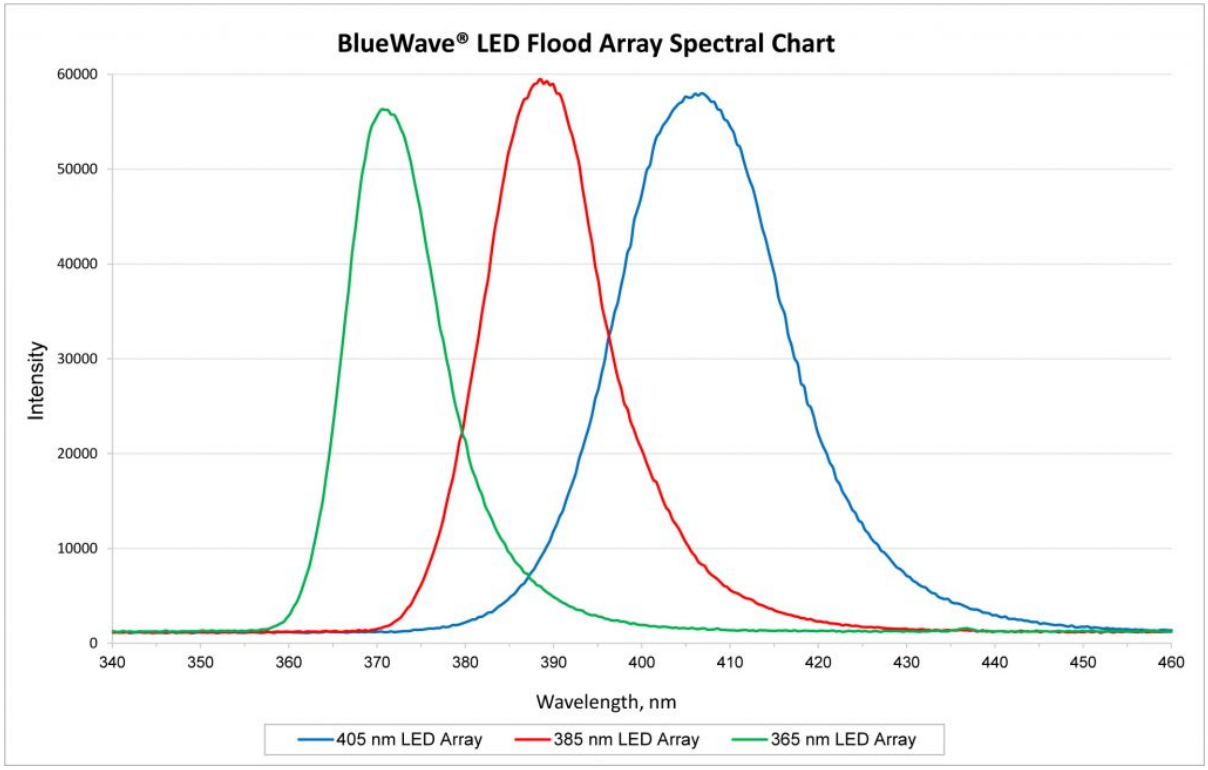

Dymax BlueWave LED Flood Spectral Chart

Dymax BlueWave® LED Flood Curing Lamp for UV and Visible Light Curing Materials

Typical Initial Output Intensities*	**PrimeCure™ 385 nm:** 850 mW/cm^2 **VisiCure™ 405 nm:** 950 mW/cm^2 **RediCure™ 365 nm:** 450 mW/cm^2
Curing Area	127 mm x 127 mm
Irradiator Head Dimensions (W x H x D)	162 mm x 190 mm x 147 mm
Weight	3.63 kg irradiator, 6.80 kg controller
Power Supply Dimensions (W x H x D)	330 mm x 114 mm x 464 mm
Cooling/Temperature Management	Air cooled
Power Requirements	100-240 VAC 50/60Hz (auto-ranging)
*measured at 25mm with an ACCU-CAL 50-LED radiometer	

Other Information

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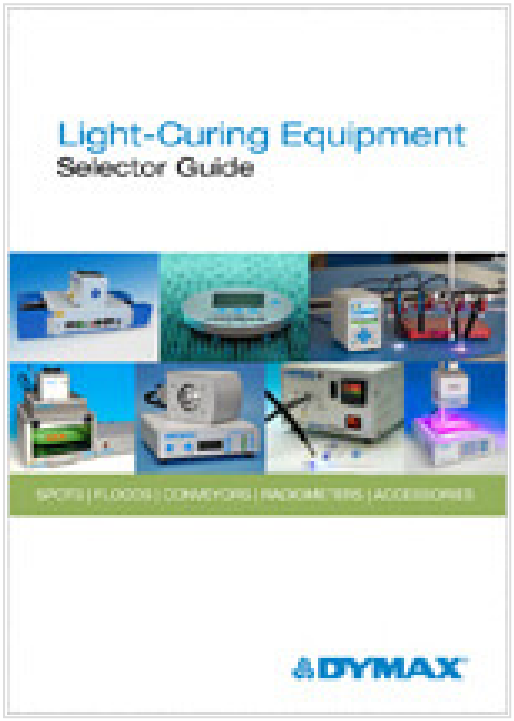
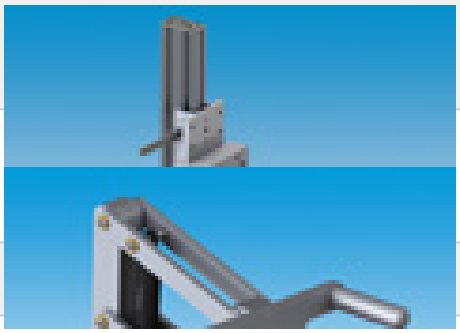


Download the Dymax Light Curing Equipment Selector Guide

Ordering Information

Dymax BlueWave® LED Flood Curing Lamp for UV and Visible Light Curing Materials

Part number	Description	
DYM41261	DYMAX BlueWave LED Flood System PrimeCure® 385 nm	
DYM41260	DYMAX BlueWave LED Flood System VisiCure® 405 nm	
DYM41262	DYMAX BlueWave LED Flood System RediCure® 365 nm	
Accessories		
DYM41268	Standard Mounting Stand Kit	
DYM41294	Premium Mounting Stand Kit	
DYM41395	Shield	
DYM41321	Light Shield	

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Part number	Description	
DYM40519	ACCU-CAL 50-LED Radiometer	

Supplied by:

INTERTRONICS
12a Station Field Industrial Estate, Banbury Road, Kidlington
Oxfordshire England OX5 1JD
t 01865 842842 e info@intertronics.co.uk

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Last updated: November 2016 Version: 2.1