

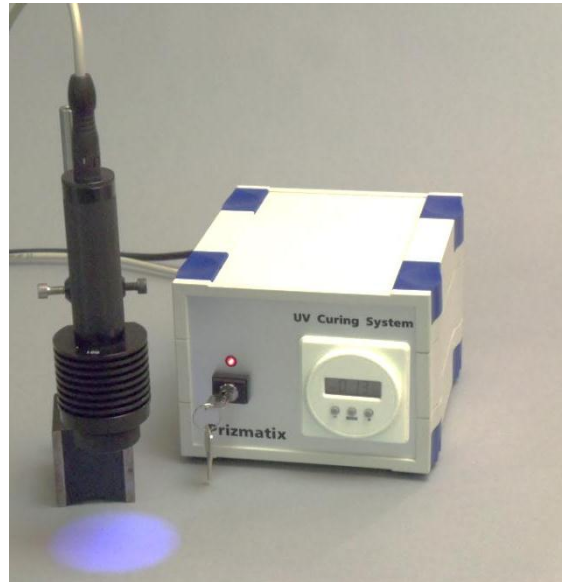
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Cure-LED

365nm / 385nm UV LED Curing System

Introduction

The Cure-LED curing system is a simple user-friendly system for flood curing UV adhesives, coatings and inks. The LED head features the most advanced UV LED technology providing a total of >330mW of useful UV power at 365nm and >370mW of UV power at 385nm. The curing process is initialized and easily operated by a comfortable foot switch or from the front panel of the Current Controller with a countdown timer.

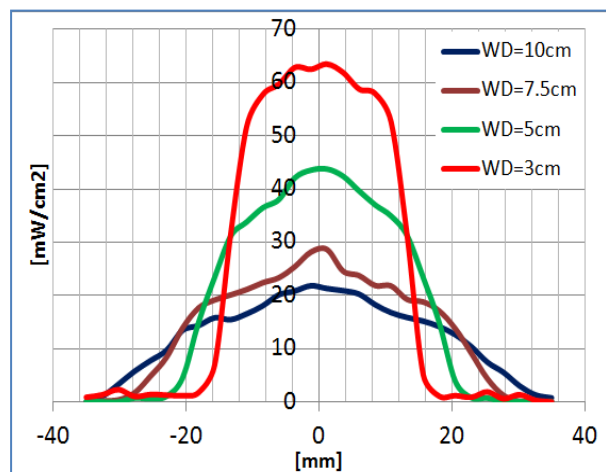


Key Features

- 365nm or 385nm LED heads
- Newest UV LED technology to provide high irradiance at different wavelengths
- Capacity for up to four UV LED heads powered simultaneously (optional)
- Long life (no lamp replacement required) of over 10,000 hours
- Click-in lens adaptor, enabling easy and quick lens changing, for various beam diameters

Applications

- Curing of UV adhesives
- Curing of UV coating
- Curing of UV inks
- Small scale production
- Inspection



- Beam distribution of Cure-LED-365

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Optical Specifications

| | | |
|----------------------|----|------------|
| Wavelength | nm | 365 or 385 |
| Wavelength range | nm | ±6 |
| Spectrum half width | nm | ~15 |
| Optical power output | mW | See graph |

Controller Specifications

Features

- Countdown clock with simple user interface
- Pedal for convenient foot operation
- USB interface with LabVIEW software to computer control (Optional)

| | | |
|---------------------|---|---------------------------|
| Input Voltage | V | 24 |
| Max Input current | A | 1 |
| Power Adaptor Input | | 100-240 VAC, 47-63 Hz, 1A |

General Specifications

| | | |
|---|----|-------------------|
| Operation temperature range | °C | 10-35 |
| Storage temperature range | °C | -10-55 |
| Operating relative humidity (Non condensing) | % | <90 |
| Head dimensions | | See drawing below |
| Head weight | g | 300 |
| Controller dimensions (W x H x D) without extrusions | mm | 174 x 130 x 197 |
| Controller weight | g | 600 |
| Power adaptor dimensions (W x H x L) | mm | 60 x 35 x 100 |
| Power adaptor weight | g | 200 |

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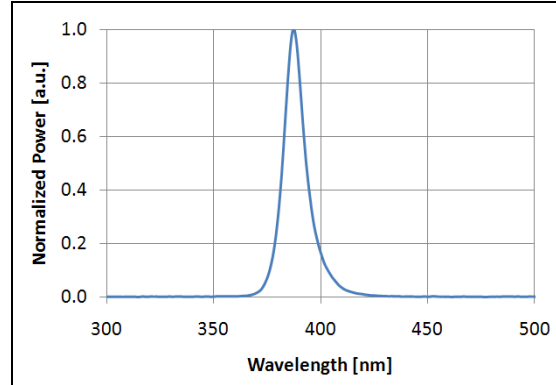
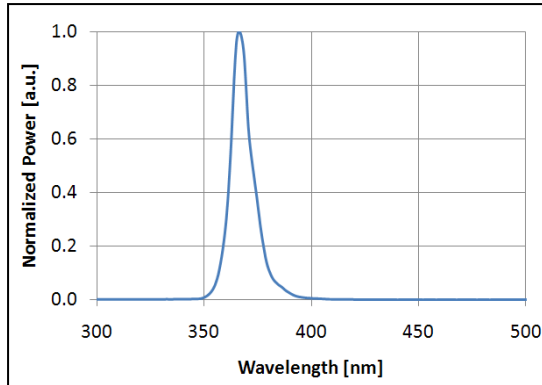
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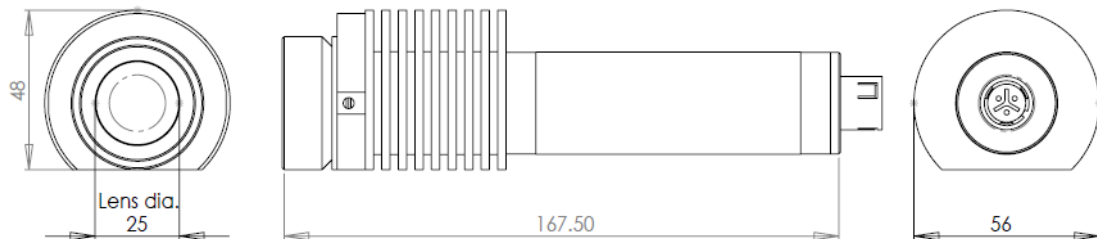
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Performance



- Cure-LED-365 spectrum
- Cure-LED-385 spectrum

Mechanical Drawings



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