

For current pricing, please see our website.

CHAPTERS

Tables/
Breadboards

Mechanics

Optomechanic
Devices

Kits

Lab Supplies

SECTIONS

Optics Supplies

Fiber Supplies

Electrical
Components

Lab Tools

Safety and Blackout

Screws, Nuts,
and Bolts

19" Rack Hardware

Storage

High-Power UV Curing LED System



NEW
products

CS2010

The CS2010 is an advanced UV Curing LED System designed to cure adhesives that need to be exposed to reproducible high-intensity (27 W/cm²) light at 365 nm. Five operation modes allow fine control of the duration and intensity of emission:

- **Continuous Mode:** The intensity of the emitted light can be continuously adjusted in mA, mW/cm², or as a percentage of the chosen current limit.
- **Timer Mode:** This mode allows the user to limit the exposure time for a selected intensity.
- **Configuration Mode:** 10 different user-defined configurations can be stored.
- **Slope Mode:** This mode allows the user to gradually increase or decrease the intensity over a chosen time interval. Simply choose the initial and final intensities and the intensity will vary in a linear fashion during the chosen time period.
- **Irradiance Mode:** Use this mode to recalibrate all settings or to measure the irradiance of the LED source.

An integrated intensity meter enables calibration of the emission time based on the current power density of the LED source. An acoustic signal can also be activated to generate beeps at determined time intervals. The output of the curing system is SM05-threaded (0.535"-40); optics can be easily interchanged to produce different beam spot sizes and shapes.

Compared to conventional arc-lamp UV systems, the CS2010 offers many advantages, like an intense, uniform UV radiation profile and a long lifetime of 10,000+ hours. It requires much less energy, needs no warm-up time, and exhibits low IR emission. The system is maintenance free. Additionally, the source contains no mercury and generates no ozone during the curing process.

Accessories

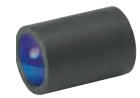
- **CS20A1:** Foot Switch to CS2010 Driver with 2.0 m Connection Cable
- **CS20A2:** Collimation Adapter for CS2010 (Included with Handset)
- **CS20A3:** Focusing Adapter for CS2010 (Optional)



CS20A1



CS20A2
Collimation Adapter



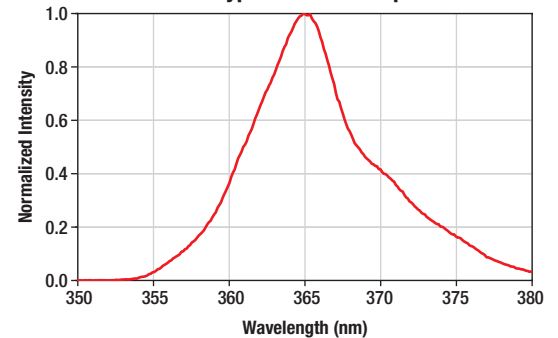
CS20A3
Focusing Adapter

Features

- 27 W/cm² LED Power Density at 365 nm*
- Replaceable Optics for Adjustable Beam Spots
- User Calibration with Included Power Density Detector
- 5 Operation Modes for Flexible Configuration
- 10 Configurable Profiles
- USB Port for PC Control
- Acoustic Time Signal
- Trigger Operation via Controller, Foot Switch, or Hand Trigger

* Calculated power density directly at the LED emitter. The calculation is done using the minimum LED power of 270 mW and a chip surface measuring 1 mm x 1 mm.

CS2010 Typical Emission Spectrum



ITEM #	CS2010
Wavelength	365 nm
UV LED Power	270 mW (Min); 360 mW (Typical)
Irradiance	
Focused Using CS20A3 ^a	10 W/cm ² (Min)
Collimated Using CS20A2	150 mW/cm ² (Min)
Divergent Without Optics ^b	25 mW/cm ² (Min)
Beam Size	
Focused Using CS20A3 ^a	Ø1 mm
Collimated Using CS20A2	Ø12 mm
Divergent Without Optics ^b	Ø30 mm
Operation Properties	
Continuous Mode	Power: 0 - 100%
Timer Mode	Power: 0 - 100% Time: 1 s - 2 h 46 min 39 s
Configuration Mode	10 Configurations in Timer Mode
Slope Mode	Time: 1 s - 2 h 46 min 39 s Start/Stop Power: 0 - 100%

^a Not Included within Base Package ^b 20 mm Distance

ITEM #	\$	£	€	RMB	DESCRIPTION
CS2010	\$ 1,950.00	£ 1,404.00	€ 1,696.50	¥ 15,541.50	High-Power UV Curing LED System, 365 nm
CS20A1	\$ 88.20	£ 63.50	€ 76.73	¥ 702.95	Foot Switch for the CS2010 UV Curing LED System
CS20A2	\$ 96.60	£ 69.55	€ 84.04	¥ 769.90	Collimation Adapter for the CS2010 UV Curing LED System
CS20A3	\$ 173.00	£ 124.56	€ 150.51	¥ 1,378.81	Focusing Adapter for the CS2010 UV Curing LED System