



Single Color USB Module



Versalume’s USB Modules are available in three primary colors: red, green and blue. This compact module has an integrated laser and a microcontroller that operates in a variety of modes. Each Versalume USB Module comes with 1 meter of Fibrance® Light-Diffusing Fiber. The module has three modes of operation: continuous, blink and fade. The mode of operation can be configured by attaching it to your computer’s USB port and launching the downloadable App, compatible with both Windows and Mac operating systems. After choosing the operating mode that suits your needs, save the setting using the App and the Versalume USB Module can continue to run on your computer or is ready to go mobile. A battery source, such as a USB power pack, can then be used to power the module in your product integration and application design initiatives.

Product Attributes

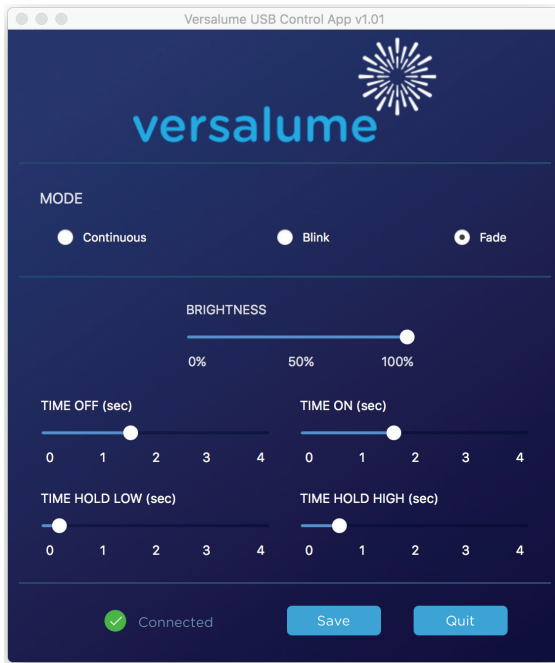
Optical and Electrical

Laser Color	Red	Green	Blue
Nominal Wavelength	639 nm	515 nm	450 nm
Operating Voltage Input	5.0 VDC		
Electrical Connector	USB Type-A Male		
Laser Mode	Continuous Wave		
Control Interface	Windows/MAC App		
Intensity Adjustment	Continuous (8 bits)		
Fiber Length	1 m		
Circuit Protection	Static, Surge, Reverse Polarity		

Environmental and Regulatory

Regulatory (pending)	CDRH Class IIIa (IEC Class 3R) Laser, ROHS Compatible
MTBF	8000 hrs at 25°C Nominal
Case Operating Temp Range	-10 to + 50°C
Storage Temperature Range	-20 to + 60°C

Control App and Functions



The Versalume Single Color USB Module Control App offers three distinct modes of operation to choose from and save:

Continuous Mode

Emits constant light at a brightness of your choosing

Blink Mode

On/off bursts of light with the ability to customize brightness and duration between cycles

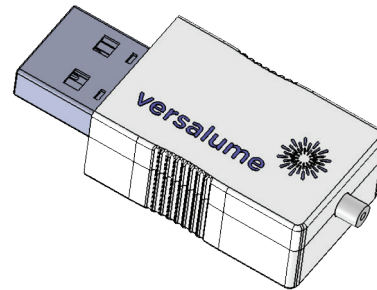
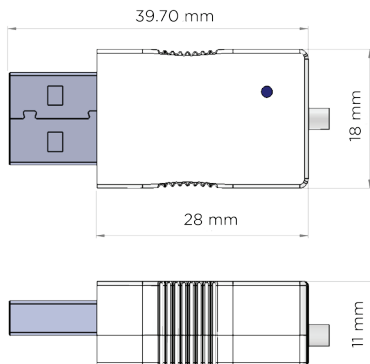
Fade Mode

Slow transitions from on to off with the ability to customize brightness and duration between cycles

Application is backwards compatible with Mac OS X 10.11 and higher and Windows 10 operating systems

Visit versalume.com/apps to download the app you need.

Mechanical Drawings



Note

Avoid intentional exposure to direct or reflected light from fiber tip. To avoid damage to fiber on module, do not pinch or bend fiber around sharp corners.


versalume
See the world in a different light

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