LS-BB1 Safety Notice - read carefully before use -

The LS-BB1 is a high brightness point light source. The light emitted from it may reach **harmful intensity levels** in some conditions.

The LS-BB1 is **NOT A TOY** and must only be used by technically educated persons. If the LS-BB1 or its optical engine is built into devices or instruments or attached to these as a sub-system, appropriate safety precautions must be maintained. If the LS-BB1 is operated stand-alone, make sure that you switch off emission before you leave it unattended.

Risk of eye injury:

Avoid direct observation with the eye

- of the aperture without fiber
- or the fiber end
- or tightly collimated or focused spots.

Use safety glasses during installation, alignment or similar work to reduce the light intensity to comfortable and safe levels. For the LS-BB1, most of the power is emitted below 600nm, so many laser safety glasses for blue and green lasers will work (OD>2 for UV-Yellow).

Many applications include collimation or focusing of the beam. Depending on the optics employed, hazardous power levels may be present even in large distance from the source. In particular, coupling the light source to a microscope or other instruments with direct visual observation may cause dangerous irradiance levels for the eyes. Careful layout of the optical system avoiding dangerous exposure conditions is mandatory.

The LS-BB1 emits **infrared light**, invisible to the eye. The radiated power of the IR part of the spectrum is much lower than in the visible. However, one should be aware of this IR portion of light especially if focusing optics is being used.

Advice for neurologically photosensitive persons: the LS-BB1 may be operated in pulsed or stroboscopic operation modes. Avoid exposure to intense low frequency flickering light.

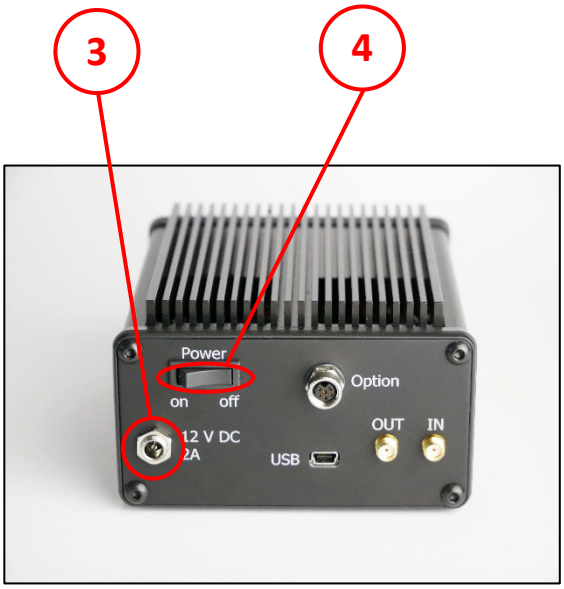
Risk of skin burn: avoid exposure of skin to focused or highly collimated light.

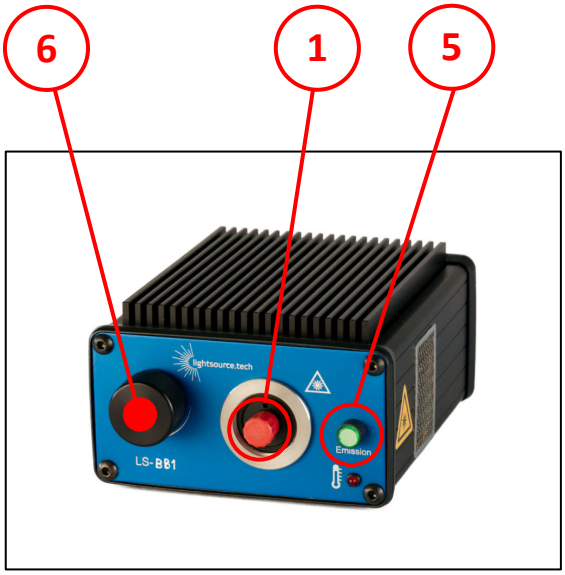
Risk of fire: do not place inflammable objects at the focus.

LS-BB1 quick start guide

1. **Connect a multimode fiber to the SMA fiber connector.**
2. **Point the end of the optical fiber away from direct vision.**
3. **Connect the 12V power supply to the light source.**
4. **Power-on the light source. You should hear the fans.**
5. **Press the green button on the front (“Emission” switch).**
6. **Turn the jog wheel clockwise to increase the output power.**

You should now observe first light from the light source!





Download the complete manual here: https://lightsource.tech/downloads/LS-BB1_manual.pdf

Download the software installer here: https://lightsource.tech/downloads/LightSource_Installer.zip

QR-Code for Manual

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Rev 2/2023

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