



## PURO Pulsed-Xenon UV Dosimeter User Guide

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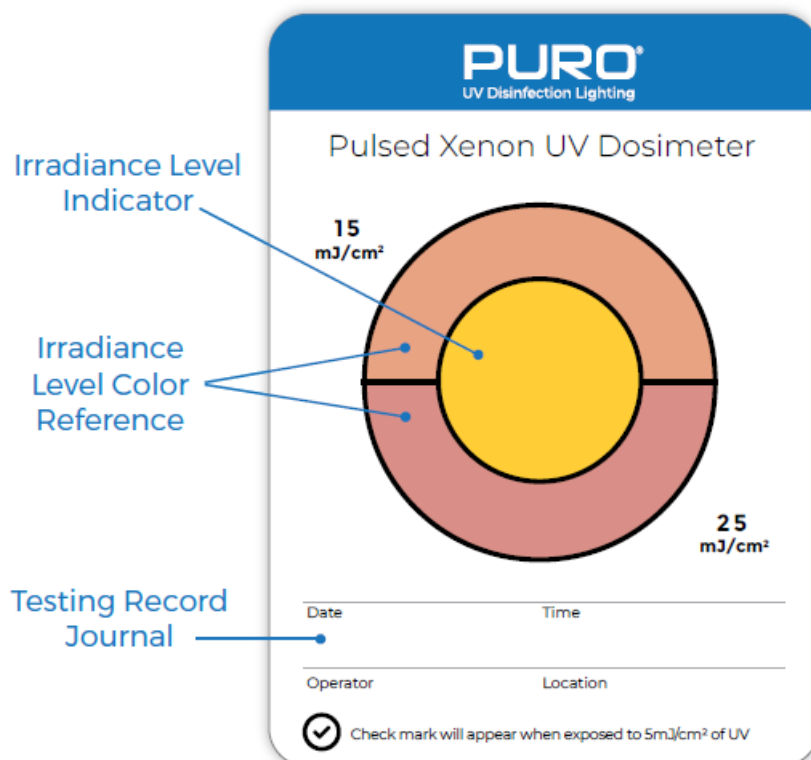
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**PURO Pulsed-Xenon UV Dosimeter**



## Anatomy



## PULSED XENON UV DOSIMETER INSTRUCTIONS

The UV dose indicators are designed to provide a visual indication of applied UV energy.

1. Place the unexposed card(s) at desired location in the area. Cards can be used in horizontal or vertical

positions. Always make sure the color changing area faces towards the UV source.

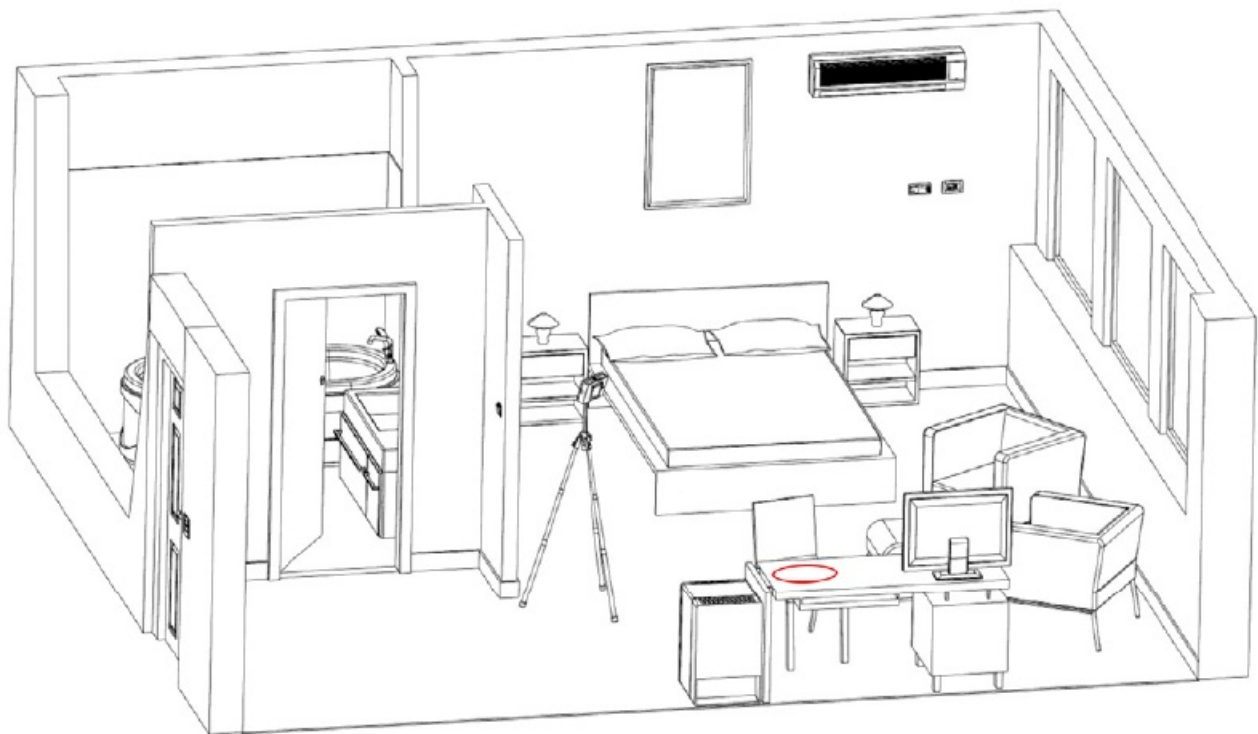
2. As the center yellow indicator is exposed to UV, it will gradually change colors based on exposure or UV dosage. For accurate results, record the exposure level immediately after treatment.
3. If your results don't match the target dosage shade exactly, for recording purposes use the lesser value.

Cards are not intended to reflect exact UV dosage measurements, but is designed as visual reference for UV treated areas confirming treatment has occurred with UV light. This dosimeter is intended as a visual reference of accumulated UV dose only, and does not determine level of cleanliness. A card that has been pre-exposed to light should be disposed of and not used.

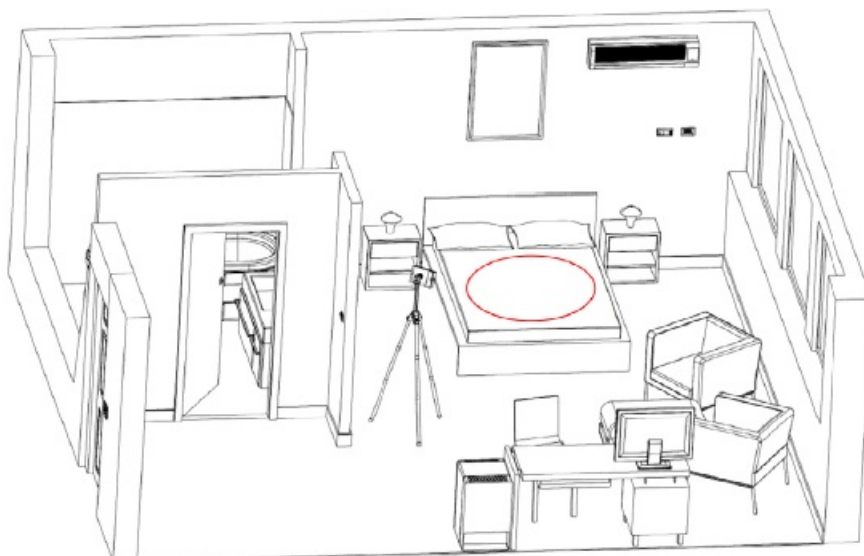
For more information, visit [purolighting.com/dosimeter](http://purolighting.com/dosimeter)

## INSTALLATION

First identify desired disinfection areas within your space. Once identified ensure that your pulsed-Xenon product has a direct light path to your chosen disinfection area. The examples below show a Sentry Mobile Tripod, powered by Violet Defense® technology, directed towards the desk and bed as disinfection targets within a room.

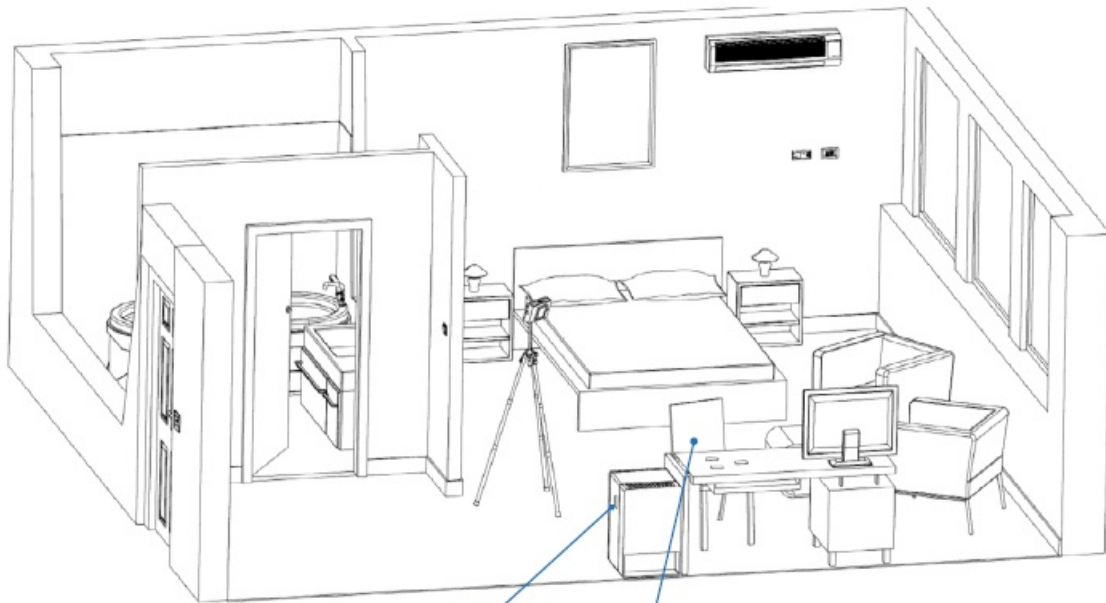


Sentry Mobile Tripod angled towards desk. Ideal placement for dosimeter is circled.



Sentry Mobile Tripod angled towards bed. Ideal placement for dosimeter is circled.

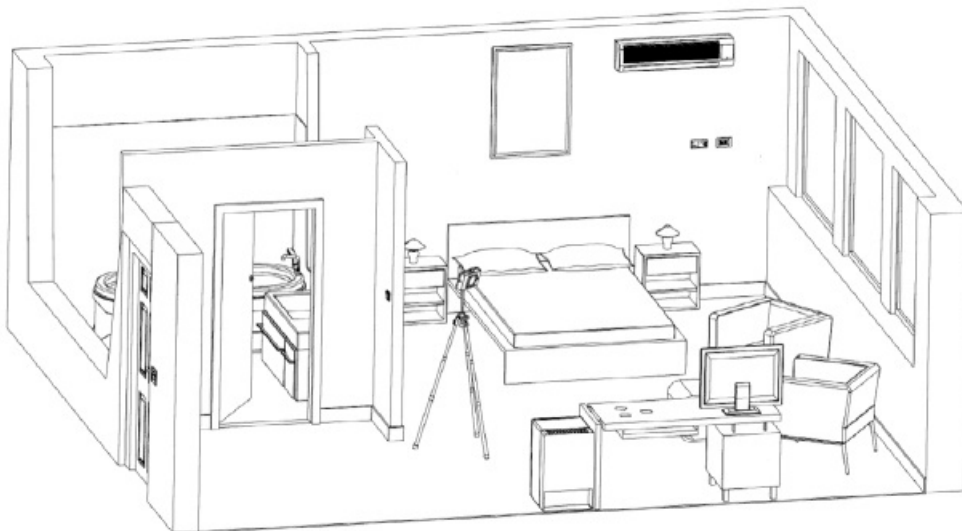
Prepare selected surfaces in step one for testing. Remove anything that may obstruct the light pathway to the target surface. Avoid shadowing and indirect exposure to dosimeter card surface.



Dosimeter on side of filing cabinet will receive indirect light and provide low readings.

Chair will obstruct light from Sentry Mobile Tripod, casting shadow over cards and lower readings.

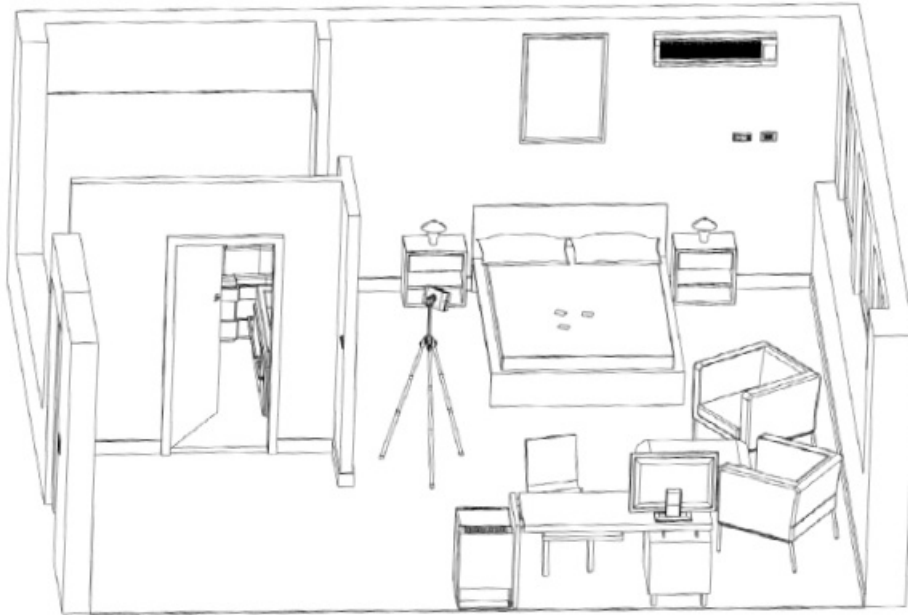
Incorrect – Objects obstructing light and improper placement of dosimeter card.



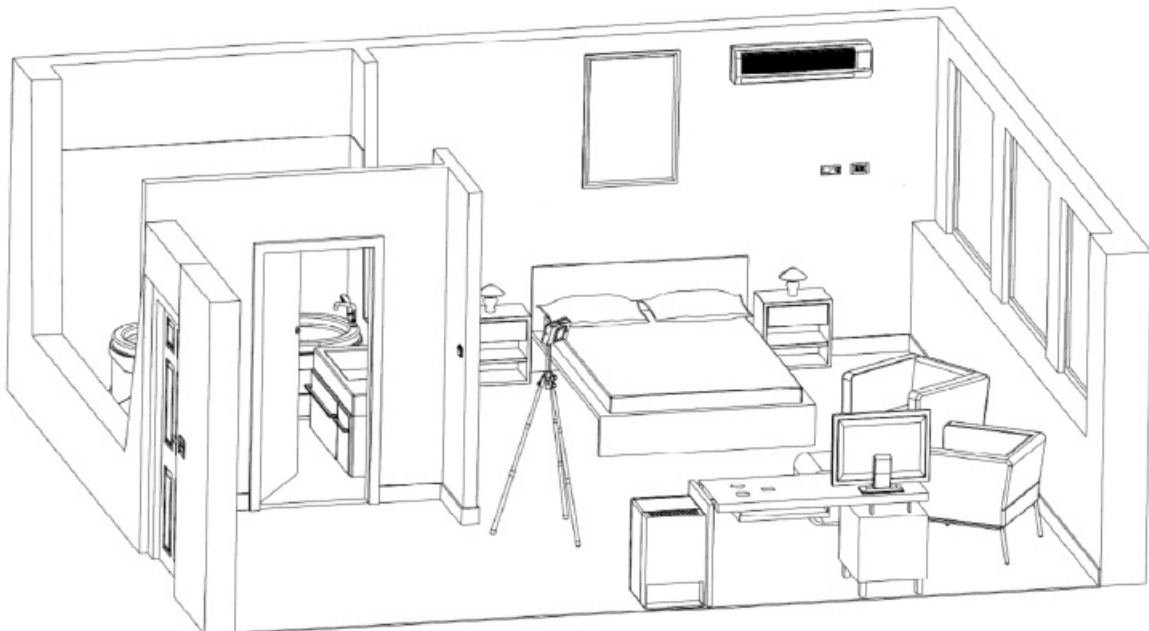
Correct – Chair has been moved no longer obstructing light. Dosimeter on side of filing cabinet has been removed as well.

Remove the 3M protective strip from the top of the back of the cards to expose adhesive. Place cards adhesive side down on target surfaces selected in step one.

- At minimum place one card per target surface.
- To understand irradiance over time we recommend three cards per target surface.



Three dosimeter cards prepared for testing on bed.



Three dosimeter cards prepared for testing on desk.

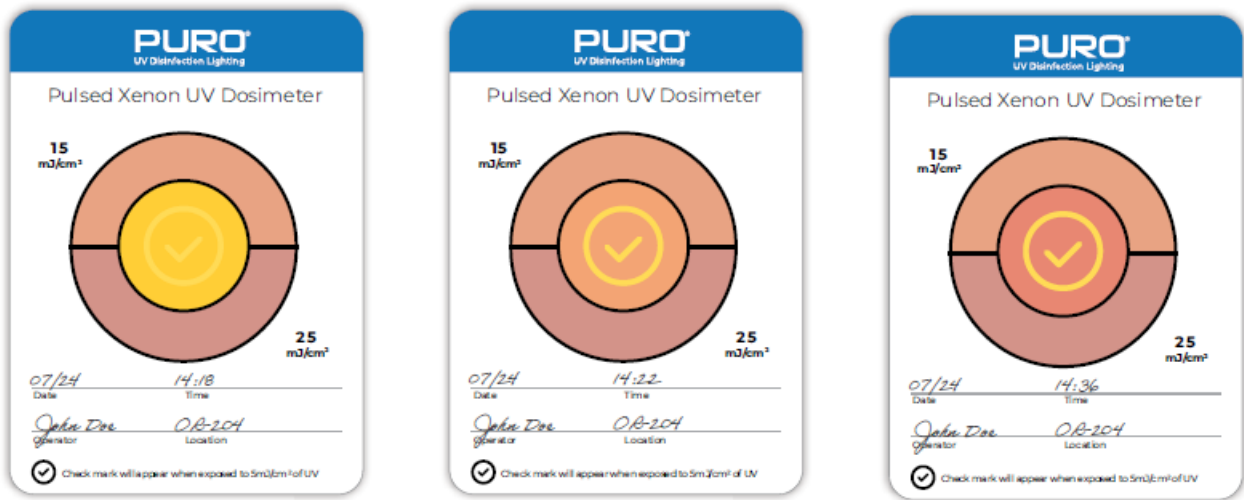
With cards adhered to target surfaces, power on Sentry Mobile Tripod and step out of the room.

- If testing one card, re-enter room after disinfection cycle has completed and retrieve card.
- If testing multiple cards re-enter room after disinfection cycle has completed and retrieve one card. Leave the other cards and recommence the disinfection cycle. Repeat until all cards/disinfection cycles are complete.

Once testing is complete, and cards are retrieved, mark the following: Date, Test Time Elapsed, Operator, and Location on irradiated cards. Take pictures of the cards for records as chemical reaction will reverse over time changing results.

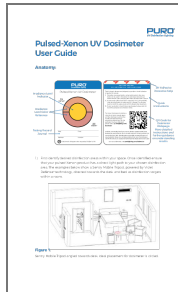
Do not reuse cards.

- If multiple dosimeter cards are tested, it is recommended to take a photo of all tested cards for easy reference of irradiance over time.



Example photo of multiple cards tested at one location for easy reference of irradiance over time.

## Documents / Resources



[PURO Pulsed-Xenon UV Dosimeter \[pdf\] User Guide](#)

Pulsed-Xenon, Pulsed-Xenon UV Dosimetr, Xenon UV Dosimeter, UV Dosimeter, Dosimeter

## References

- [UV Disinfection Lighting - Puro Lighting](#)
- [Pulsed Xenon Dosimeter - Puro Lighting](#)

Manuals+