

Certificate of Calibration

UPSTATE MEDICAL PHYSICS
BLOSSOM DRIVE 1290
14564 VICTOR
US

Product:	RaySafe X2
Model:	Light Sensor
Serial Number:	325287

Calibration Certificate:
Calibration Equipment List

Date: 2024-07-26

Your instrument has passed several strict tests and has been approved for delivery.
Enclosed you will find detailed documents for your instrument.

This certificate may not be reproduced other than in full, except with the prior written approval of Unfors RaySafe



Certificate of Calibration

RaySafe X2 Light

Date of Calibration:	2024-07-26	Product:	RaySafe X2
Serial Number:	325287	Model:	Light Sensor

Measurement details, as left:

Luminance

Measurements		
Ref. value (cd/m ²)	X2 Value (cd/m ²)	Deviation
500,0	499	-0,2%

Illuminance

Measurements		
Ref. value (Lux)	X2 Value (Lux)	Deviation
500,0	501	0,2%

The relevant manufacturer's specifications for the presented measurements are:
Luminance 3%
Illuminance 3%

Calibration Equipment

Date of Calibration(s):	2024-07-26	Product:	RaySafe X2
Serial Number:	325287	Model:	Light Sensor

The listed equipment below were used as main reference for the calibration

REFERENCE SYSTEM	Calibration Date:
Halogen FEL: QE 8.24.2338.48	2024-07-25

The expanded uncertainties for the presented deviations are:

Luminance: 1.5%
Illuminance: 1.1%

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k = 2$, which for a normal distribution provides a level of confidence of approximately 95%. (ISO/IEC Guide 98-3:2008, Guide to the Expression of Uncertainty in Measurement (GUM))

The reference instruments are traceable to PTB providing traceability to international standards

Calibration condition:

Ambient temperature: 15-30°C
Relative humidity: <80%

Tested by: Kai Hänel

Approved by: 

Örjan Arnström
Finalization operator

Unfors RaySafe AB
Björklundabacken 10
SE-436 57 Hovås, Sweden
Phone: +46 31 719 97 10
Fax: +46 31 910 950
E-mail:
customerservice.se@RaySafe.com