

How to use LightCheck®

A strip of LightCheck® is placed close to the artefact in order to get the same light exposure conditions. Every day, week or month depending on light levels, evaluate the Lightcheck by comparison of the colour to the calibration card. Choose the most similar colour, which will give a code i.e. 1S, 2S, 3S, 4S or 1U, 2U, 3U, 4U. Use this code to obtain an equivalent luminous exposure (ELE) from the tables below.

Recommended annual exposures for various categories of artefact are given in the Lightcheck® Technical Data sheet.

If a LightCheck® becomes white, it has been overexposed. In such a case, the ELE can no longer be estimated as it is out of the calibration range.

LightCheck® Ultra Maximum 120 000 lux.hours (Whitish, ELE above which no appreciable colour change occurs)

LCU	Equivalent luminous exposure (lux.hours)
4U	75 000 - 100 000
3U	45 000 - 75 000
2U	30 000 - 45 000
1U	5 000 - 30 000
0U	Below 5 000

LightCheck® Sensitive Maximum 400 000 lux.hours (Complete bleaching)

LCS	Equivalent luminous exposure (lux.hours)
4S	Above 340 000
3S	200 000-340 000
2S	80 000-240 000
1S	60 000-100 000
0S	Below 60 000

LightCheck® is a product of a European Commission funded project “A light dosimeter for monitoring cultural heritage – development, testing and transfer to market” (LiDo, EVK4-CT2000_00016).

WARNING LightCheck®

- contains dyes that might migrate and produce stains or spots. Do not place in direct contact with an artefact and be aware of volatile organic compounds that may be emitted. Do not touch the surface of the strip.
- is not intended for monitoring high illuminance level such as camera flashes, nor has it been tested for long-term use over years of exposure.
- is not intended for use in an oxygen free environment