Supplementary Figure 1 – Schematic representation of the experimental sequence.

Phase 1: Exposure to simulated solar light

Irradiation took place for 0-4 h. Samples were retrieved every 30’. Every treated sample was further exposed in a Phase 2 light color.

Phase 2: Exposure to fluorescent lamps

The 9 solar treated samples were exposed to 0-8 h monochromatic and visible light. Every solar-treated sample, after exposure for 0, 2, 4 or 8 h was led to Phase 3.

Phase 3: Dark storage

The 216 photo-treated samples were kept for 24 or 48 h in the dark.

9 Phase-1 x 6 Phase-2 x 4 time points

216 samples

BL Blue
Actinic BL
Blue
Green
Yellow
Visible light

No dark storage
24-h dark storage
48-h dark storage
Supplementary Figure 2 – Results of the dark storage of samples after solar exposure and BL Blue or actinic BL light. a) without solar pre-treatment. b) after 1 h solar pre-treatment. c) after 2 h solar pre-treatment. d) PHR after 3 h solar pre-treatment. The experimental values acquired are connected by a line for better visualization of the results.
Supplementary Figure 3 – Results of the dark storage of samples after solar exposure and blue or green light. a) without solar pre-treatment. b) after 1 h solar pre-treatment. c) after 2 h solar pre-treatment. d) PHR after 3 h solar pre-treatment. The experimental values acquired are connected by a line for better visualization of the results.
Supplementary Figure 4 – Results of the dark storage of samples after solar exposure and yellow or indoor light. a) without solar pre-treatment. b) after 1 h solar pre-treatment. c) after 2 h solar pre-treatment. d) PHR after 3 h solar pre-treatment. The experimental values acquired are connected by a line for better visualization of the results.