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A Light Booth for Macro-Pictures

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A Light Booth for Macro-Pictures

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Paper conservators often take pictures of their objects before and after treatment. Macro-pictures in particular are useful to monitor colour changes, removal of material, or ink diffusion possibly occurring on a millimetre scale. Their reliability however strongly depends on lighting reproducibility, which is not easy to achieve with conventional light booths. These are usually too large to appropriately monitor small-scale lighting. An alternative was found in a small light booth initially designed for machine vision lighting systems and capable to insure a good reproducibility of the light on a centimetre scale.

Description

The Lighttune modular Dome Pack consists of a ring, a dome, and connector cable. The dome lighting is insured by an LED Ring of colour temperature 6500 K (white). The white dome diffuses light, allowing a uniform illumination of the area. Pictures are taken from a small hole on the top of the dome, measuring 2 cm in diameter. Before purchasing such

a system, it is necessary to verify that the photo apparatus allows taking pictures through a 2 cm hole. It should additionally include a white balance option since LEDs provide discontinuous wavelength spectra.

Supplier

Lighttune Europe, 20 rue de saint philbert, 44118 La Chevrolière, France, Tel +44 3 30 0010 349, <http://www.lighttune.com>, contact@lighttune.com

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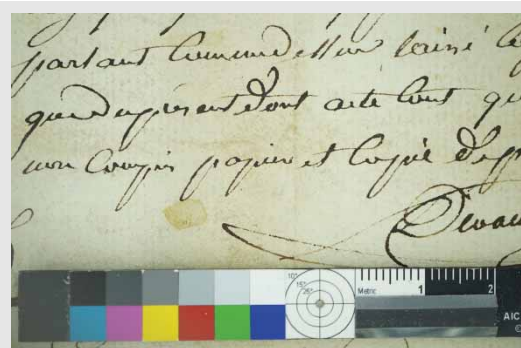
The dome, the ring, and the camera.



The dome can be directly placed on the object.



Align the camera with the aperture.



Example of a picture taken with the dome.