



**HAL**  
open science

## A Light Booth for Macro-Pictures

Oulfa Belhadj, Véronique Rouchon

► **To cite this version:**

Oulfa Belhadj, Véronique Rouchon. A Light Booth for Macro-Pictures. *Journal of Paper Conservation*, 2015, pp.42 - 42. 10.1179/1868086015Z.00000000010 . hal-01447224

**HAL Id: hal-01447224**

**<https://hal.science/hal-01447224>**

Submitted on 26 Jan 2017

**HAL** is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

# A Light Booth for Macro-Pictures

Oulfa Belhadj, Véronique Rouchon

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](mailto:contact@lighttune.com)

## Authors

Oulfa Belhadj and Véronique Rouchon  
 CRC, 36 rue Geoffroy saint Hilaire, 75005 Paris, France, Tel +33 1 40 79 53 00,  
[belhadj@mnhn.fr](mailto:belhadj@mnhn.fr), [rouchon@mnhn.fr](mailto:rouchon@mnhn.fr)

If you want to share information on new 'Materials & Equipment' in the field of book and paper conservation, please contact Claire Phan Tan Luu or Dionysia Christoforou  
[claire.phantanluu@gmail.com](mailto:claire.phantanluu@gmail.com),  
[d.christoforou@rijksmuseum.nl](mailto:d.christoforou@rijksmuseum.nl)



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.