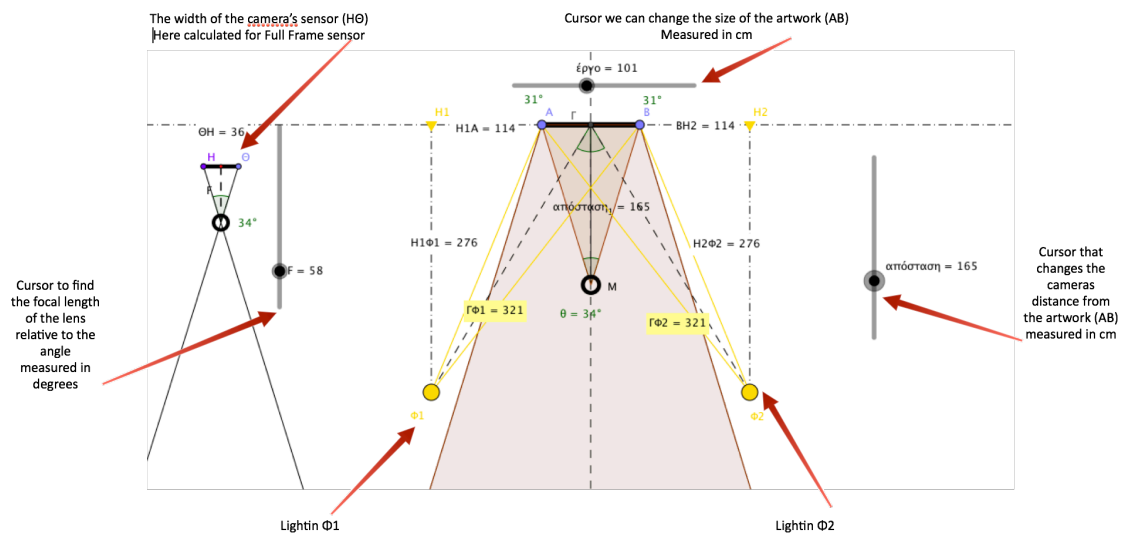


Photographing an art work

In the book "Light Science and Magic", Fil Hunter, Steven Iver and Paul Fuqua (2012) analyze in the best way how we can arrange our equipment, so that we can photograph subjects with intense reflectivity without being visible in to the photo.

With this "project" someone who wants to photograph an artwork has the ability to:

1. Arrange his/her equipment so as to avoid reflections from it
2. Find distances and degrees of angles
3. Find the focal length of the lens, in order to have full visual coverage of the cameras distance.



The steps to be followed are the following

1. Moving the cursor (called $\epsilon\rho\gamma\omicron$) that changes the size of the artwork, we define its size in cm
2. Moving the cursor (called $\mu\eta\chi\alpha\nu\acute{\eta}$) that changes the distance of the camera from the artwork, we define its distance in cm
3. Moving the luminaire ($\Phi1$, $\Phi2$), outside the angle family we can find the distances of the lights in cm in order to be placed so that the reflections are not visible in the photograph. At the same time we find the angle that the lights form, with the work of art to be photograph.
4. We move the cursor (called F), and we measure the angle that is formed (here, 34°). We reproduce the same angle in the object that our lens see.