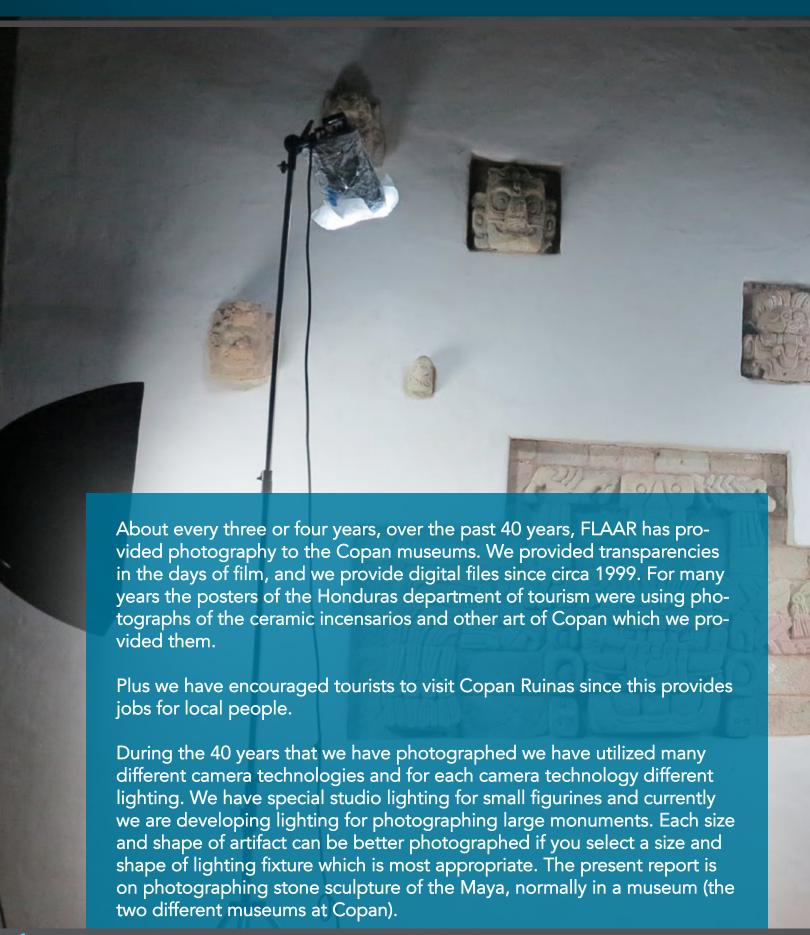


November 2014



Photography of Sculptures Inside a museum

Copan Museums as Good Example









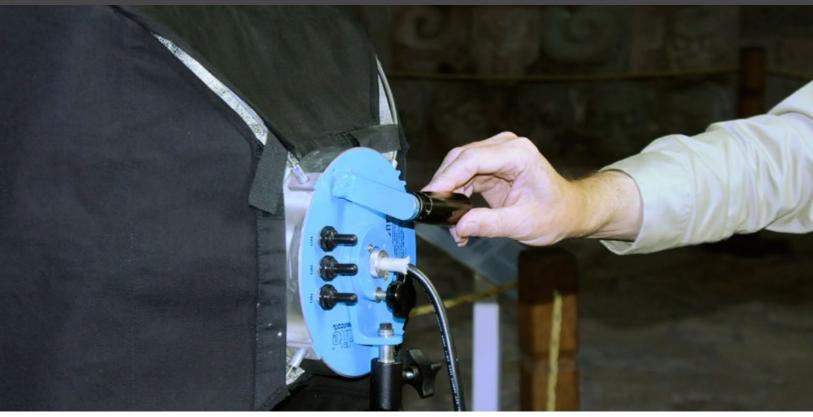








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Here are the results of our lighting style (over five years ago, with tungsten halogen lamps). By using "raking light" it is much easier to see the detail on this relief sculpture.

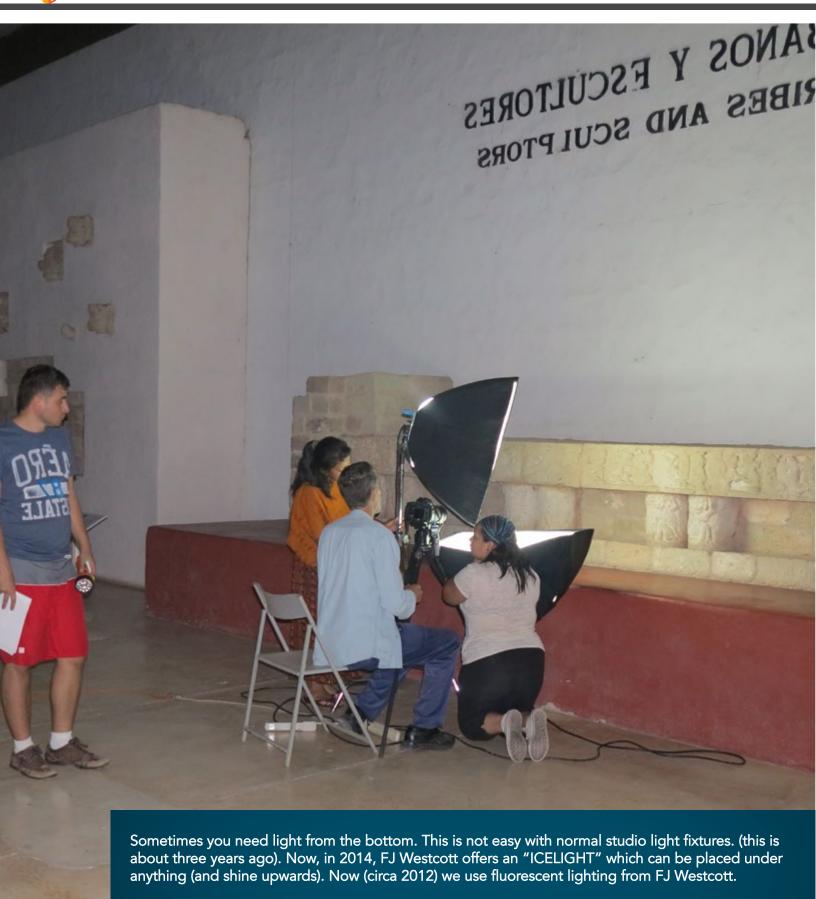


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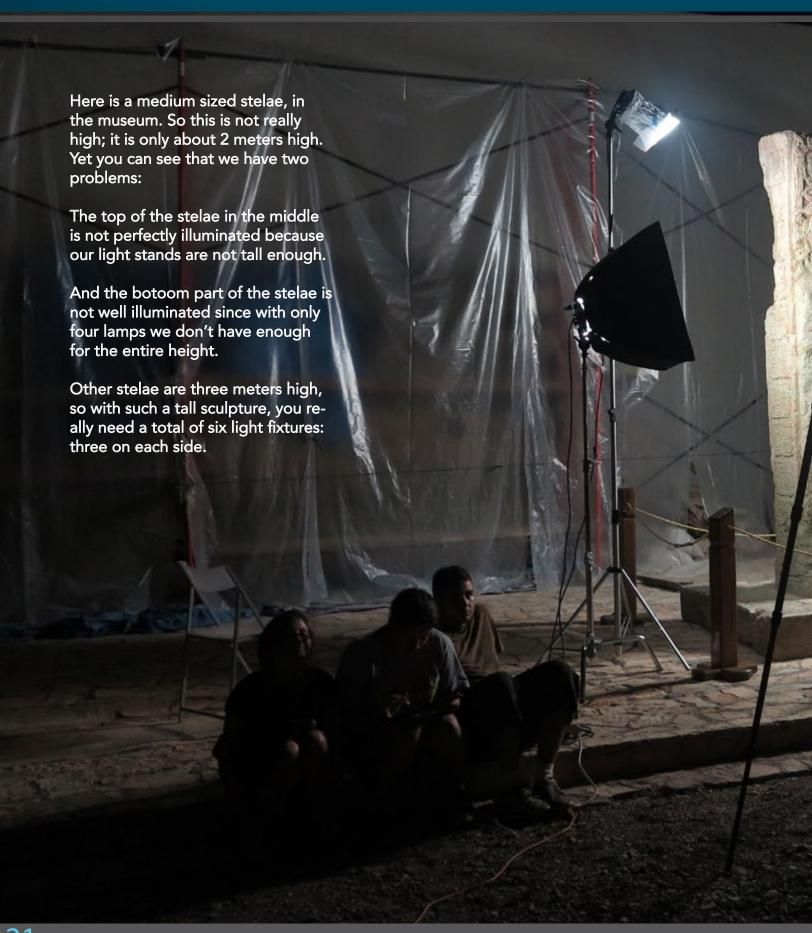


Some museums ask that people not use flash. Other museums ask that photographers not use tungsten halogen (these museums prefer flash). But since the stelae are not painted with dyes, the light will not affect any coloration on the stone monument (and ceramics are generally not painted with dye colorants either, but with pigments (minerals), and will unlikely be affected by normal photography).

Then came the digital era, and then came an improved lighting technology, fluorescent lighting. This new lighting style has only two disadvantages, that there are not as many brands available and no directional systems such as Dedolight for small artifacts. If you have to photograph figurines or small sculptures, Dedolight was an absolutely outstanding system. But they are tungsten and also they do not work with tri-linear sensors (for large format digital cameras such as Better Light). For any tri-linear scanning CCD sensor your lights can't fluctuate even an iota. Dedolights constantly fluctuate (they are not constant). You have to add an expensive constant voltage system. These systems are very heavy and thus not realistic to take on an airplane. We had to install a constant voltage system in every location where we used a tri-linear scanner with night lighting. During the day, with sunlight, obviously you don't need to regulate any electricity!







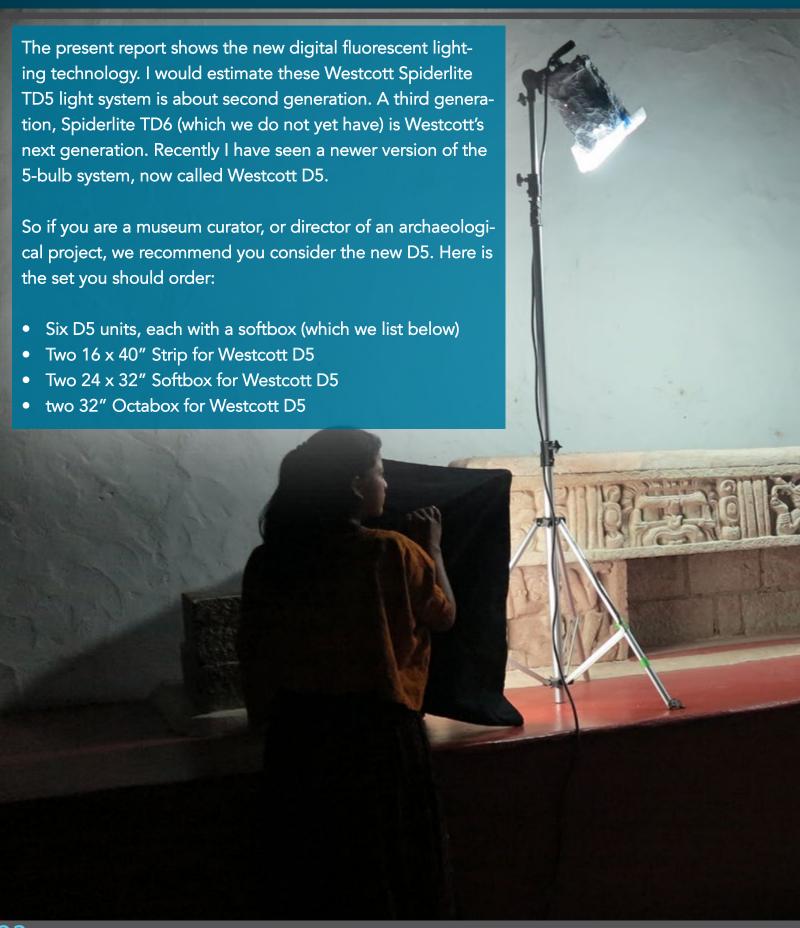
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The advantages of modern fluorescent lighting systems for digital photography are:

- No heat, almost no heat whatsoever.
- Bulbs last almost forever
- Bulbs don't break easily and if they do break are cheap to replace
- You can buy these bulbs at any grocery or hardware store (through we recommend you get the higher quality ones from the studio lighting brand, such as F.J. Westcott).

Since you are going to do a gray balance anyway, nowadays it does not really make as much difference what the color temperature of your lamps is. 40 years ago it was necessary to use color filters on the lamps and/or color filters on the lens. I have not used a color filter since circa 1996 when we "went digital" and threw away our Leica and Hasselblad and Linhof 35mm, medium format, and large format film systems (except that we returned the Hasselblad and Linhof to service since you can put a Phase One, Leaf, or Hasselblad digital back onto even a 40 year old Hasselblad camera body, and you can put a large format digital tri-linear scanning CCD onto a Linhof or Cambo or any good large format view camera).



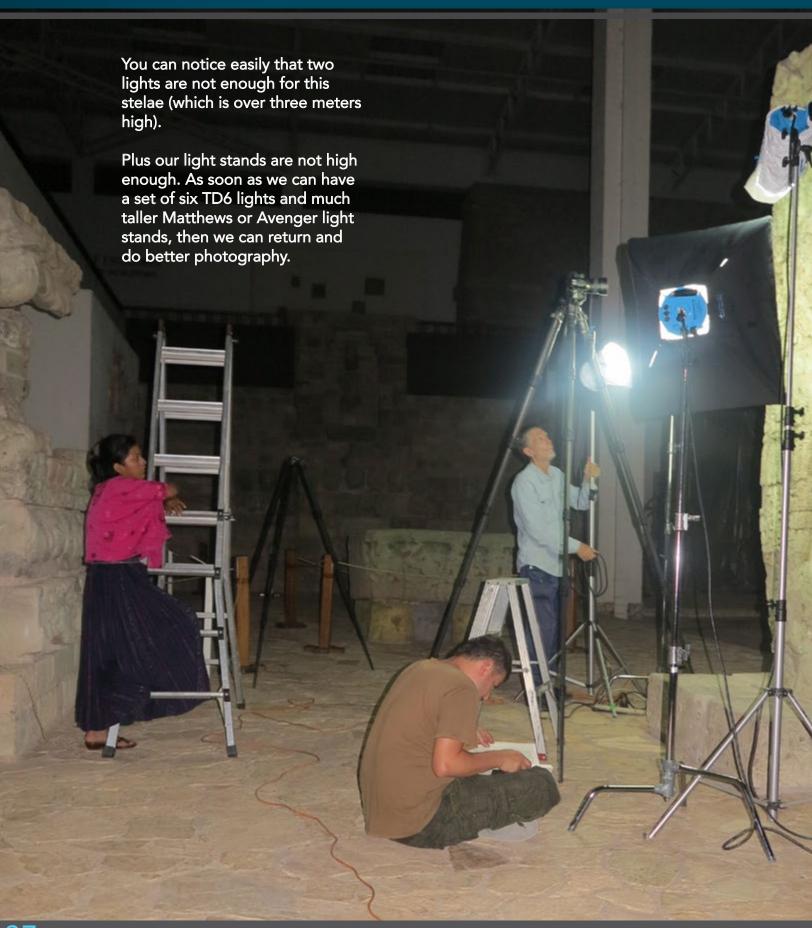






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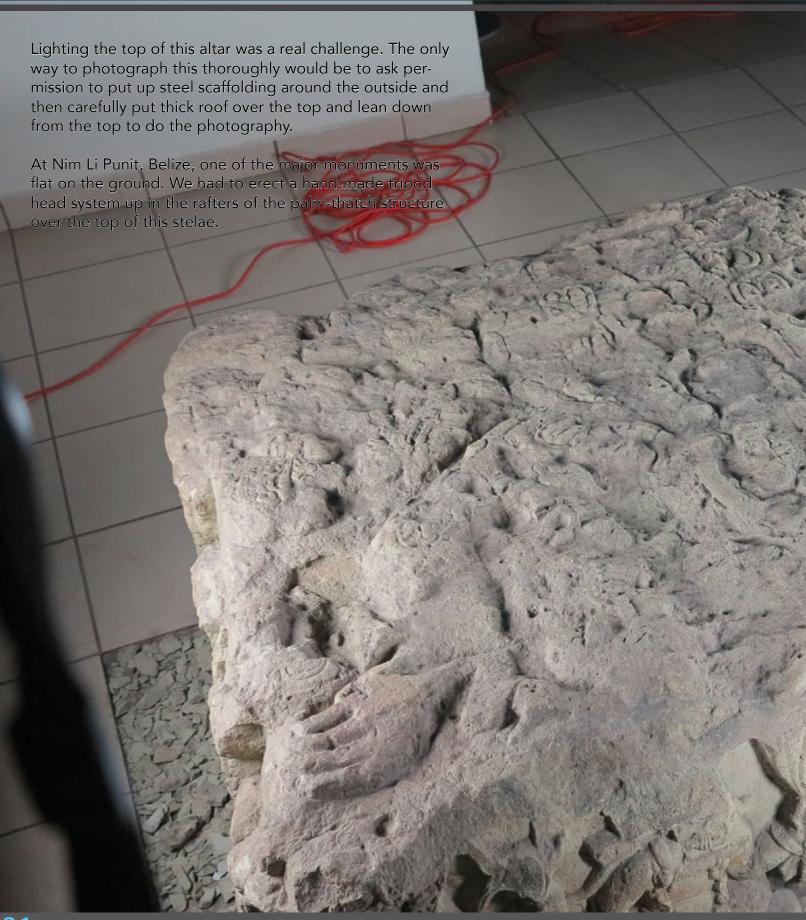






















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The lack of heat is an important feature of Westcott lamps

I have adapted a spider who lives behind the fluorescent light bulb over my desk. Yes, his nest is directly above me as I write this. The spider is about 3 or 4 years old. His or her babies now have nests throughout the office (they help capture mosquitoes and flies, so we do not tear down their spider webs). But several of these spiders live directly behind the fluorescent bulb (where the socket is connected to the ceiling, there often is a tiny space; this is where the spider crawls in to rest during the day. When I turn off my lamp at night, he or she comes out.

The fluorescent bulb lighting my desk as I write this report is identical to the one in my Westcott studio kit.

This spider would not survive if this were a tungsten halogen lamp, and I am not even sure it would survive if the bulb were the normal kind that everyone used 10 years ago in their homes.

Here is a PDF on the spiders which we facilitate in our office, as there is no need to destroy insects when they are providing a helpful service.





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The advantage of the Spiderlite TD6 is that you can use either daylight fluorescent or tungsten halogen lamps.

Spiderlite TD6 come with a 36 x 48" Pro Shallow Softbox.

Decades ago I decided that I prefer softbox style to an umbrella reflector.

What we would like to evaluate next?

During our last trip to Copan (about two years ago), we had four Westcott TD5 units, but only two softboxes. We appreciate these units kindly provided by FJ Westcott for our annual reports every year.

What we found at Copan was that for the tall stone stelae, it takes three units on each side, so a total of six units would be essential. Since the TD6 is newer technology, this is what we would like to evaluate, since our 100,000+ readers.

So if you are an archaeological project, or a museum, you should consider either the D5 or the Spiderlite TD6, each with softboxes.

On our next trip to Copan Ruinas, Honduras, the ideal system would be six TD6's, each with their own softbox.

Museum at the Copan archaeological park. This basrelief stone architectural façade is nicely illuminated with four Westcott TD5 units. The two lower ones have a softbox, but somehow we do not have a softbox for the upper units.

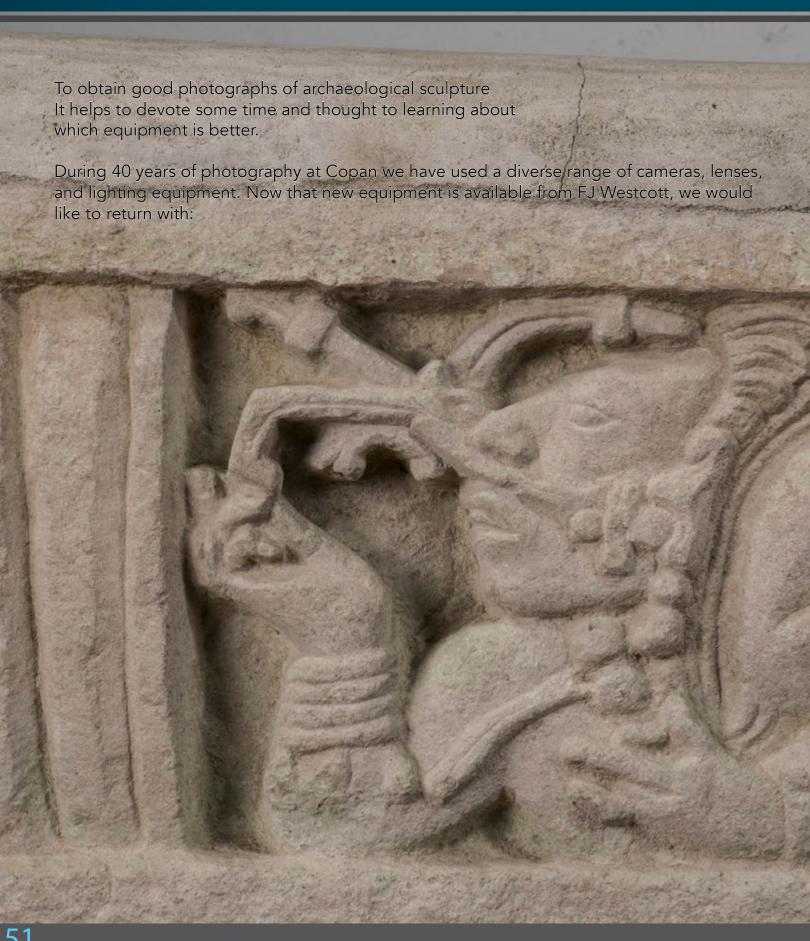






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