

Learning Photography is not a spectator sport!

PROPERTIES OF LIGHT

Direction of light examples

Nature Photographers Online Magazine

<http://www.naturephotographers.net/np101/je0904-1.html>

Hard vs. Soft Light

Understanding Hard and **Soft Light**

ShortCourses.com

<http://www.shortcourses.com/tabletop/lighting2-8.html>

Inverse Square Law Chart and discussion

<http://photo.tutsplus.com/articles/lighting-articles/rules-for-perfect-lighting-understanding-the-inverse-square-law/>

<http://www.adorama.com/alc/article/Inverse-Square-Law-AdoramaTV>

FLASH CONTROLS

Flash Synch Speed

Mastering Your Flash 101 – **High Speed Synch**

Cameradojo.com

<http://cameradojo.com/2010/05/31/mastering-your-flash-101-high-speed-sync/>

High Speed Synch for Flash at any Shutter Speed

Naturescapes.net

<http://www.naturescapes.net/082006/rp0806.htm>

Also Adorama TV episode listed below under rear curtain synch

Fixed Synch Speed in Aperture Priority Mode

Digital Photography School

<http://digital-photography-school.com/forum/lighting/148444-help-me-my-flash-canon-430ex.html>

Discussion of **rear curtain Synch**

Adorama TV – Flash Synch Speed –this video is an excellent explanation of synch speed and 1st / 2nd curtain synch

<http://www.adorama.com/alc/article/Flash-Synch-Speed-AdoramaTV>

Rear Curtain Synch

DTown TV Episode 78

<http://kelbytv.com/dtowntv/2011/06/16/episode-78/>

TIPS AND TECHNIQUES

Using TTL

The TTL Flash System – Moose Peterson Wildlife Photography

<http://www.moosepeterson.com/techtips/flash.html>

Balancing Flash and Ambient

3 blog entries - Strobist.blogspot.com

<http://strobist.blogspot.com/2007/09/lighting-102-balancing-light-twilight.html>

Gelling the Flash

Lighting 101 – Using Gels to Correct Light – Strobist.com

<http://strobist.blogspot.com/2006/03/lighting-101-using-gels-to-correct.html>

Using CTO Color Correction Gels with Speedlight Flash

<http://www.p4pictures.com/2011/02/using-cto-colour-correction-gels-with-speedlite-flash>

Flash Gels for Correcting Color Temperature - Lighting Mods

<http://lightingmods.blogspot.com/2007/11/flash-gels-for-correcting-color.html>

Studio Style Lighting with Speedlights

Intro to **Creative Flash** Part 3: Using Speedlights as a Portable Studio –Pablo Conrad Photography

<http://pabloconradphotography.wordpress.com/2011/03/12/intro-to-creative-flash-part-3-using-speedlights-as-a-portable-studio/>

Studio-style flash lighting with Speedlites - Canon

http://cpn.canon-europe.com/content/education/infobank/flash/studio_style_flash_lighting_with_speedlites.do

Freezing Action with Flash

Flash Synch Speed – Adorama TV

<http://www.adorama.com/alc/article/Flash-Synch-Speed-AdoramaTV>

Note: studio strobes are used but the principles are the same regarding flash duration, shutter synch and the role of ambient light

How to Photograph Water Drops with One Speedlight – Strobist.com

Be sure to watch the imbedded video by Gavin Hoey

<http://strobist.blogspot.com/2009/05/how-to-photograph-water-drops-with-one.html>

EQUIPMENT

Grids and Snoots

Grid and Snoot – What They Do – Photo Tuts Plus

<http://photo.tutsplus.com/tutorials/hardware-tutorials/diy-grid-and-snoot-and-what-they-do/>

Flash vs. Studio Strobe

Studio Strobes vs. Small off-Camera Flash

Scott Kelby's Insider

<http://www.scottkelby.com/blog/2009/archives/4280>

Speedlights vs. Strobes - Adorama TV

<http://www.adorama.com/alc/article/Speedlights-vs-Studio-Strobes-AdoramaTV>

Ways to save money on equipment

Cheap shots – KelbyTV.com

<http://kelbytv.com/cheapshots/>

Also see “Outdoor Lighting for Senior Portraits below under On-line subscription training (below)

Canon vs. Nikon Debate

Canon vs. Nikon Flash Systems – Timothy Armes Blog

<http://www.timothyarmes.com/blog/2011/01/canon-vs-nikon-flash-systems-revisited/>

Canon’s TTL Flash vs. Nikon TTL Flash Neil van Niekerk

<http://neilvn.com/tangents/2009/03/25/ttl-flash-canon-and-nikon/>

ON-LINE COURSES

“Lighting 101” – Strobist.com

“Lighting 102” – Strobist.com

BOOKS, DVD’S AND ON-LINE PAID SUBSCRIPTION

Books

Hotshoe Diaries” -Joe McNally

“Digital Photography for Dummies” – Dirk Fletcher

“Light and Lighting – Michael Freeman

“Lighting in Layers” – DVD available from Strobist.com

<http://strobist.blogspot.com>

On-line Training – subscription

<http://www.KelbyTraining.com> – below are courses I have previewed. I am sure there are plenty more

“Using Small Flashes” – Joe McNally

“One Light Lighting” – Jack Redniki

“Outdoor Lighting for Senior Portraits” – James Schmelzer

This presentation focuses on the use of natural light and the use of reflectors

TECHNIQUE SLIDES TEXT

Overpower the Sun

- ▣ Meter for desired background exposure
- ▣ Using these settings, set camera in Manual mode
- ▣ Turn on Speed Light in TTL Mode
- ▣ Place your subject facing away from the sun and take your shot
- ▣ Adjust flash compensation, if needed, and re-shoot

Turn Grey Skies Blue

- ▣ Enhance the blues in the background without turning your subject into a Smurf
- ▣ Set your white balance to 3200 or Tungsten for a nice blue background
- ▣ Put a ¼ (or up to full cut) gel over your flash to keep skin tones normal looking
- ▣ In Manual mode, expose for the background and set flash to TTL

Balancing Flash with Ambient Light

- ▣ Flash exposure cares about aperture
- ▣ Ambient cares about shutter and aperture
- ▣ To adjust ambient only, adjust shutter speed
- ▣ To adjust Flash but not ambient, adjust aperture and compensate with shutter to maintain exposure of background

Selecting a New Speed Light...Features to Shop for

- ▣ TTL capability
- ▣ Tilting head – allows you to bounce light
- ▣ Rotating head – allows you to turn head so sensor can see the camera or bounce light off a wall
- ▣ Zoom capability – adjusts the spread of light based on distance to subject
- ▣ Slave capability
- ▣ Power