

Get the Slides

Plus discounts on gear and other freebies



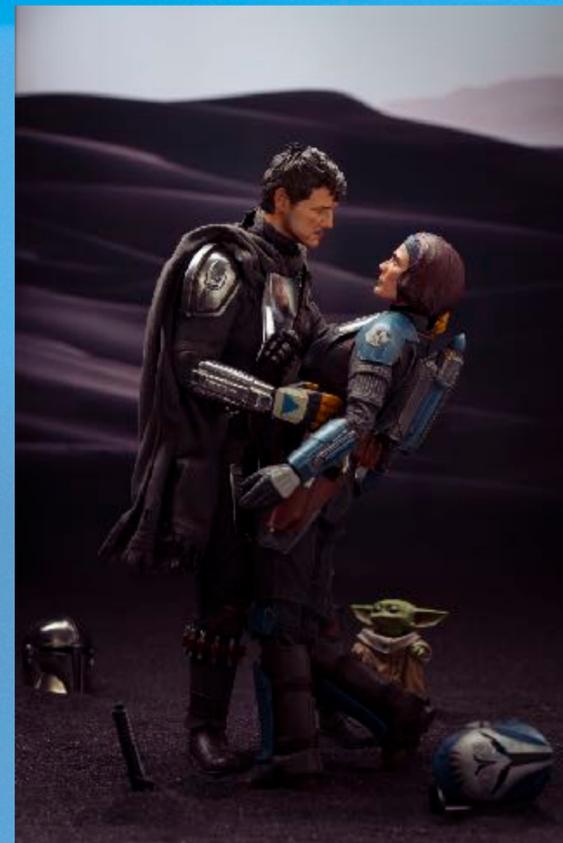
LumaUniversity.com/mini

Super Powers

What You Can Learn

- Set design
- Product Lighting
- Portrait Lighting
- Posing
- Storytelling
- Compositing
- Virtual Backgrounds

It allows you to build large scale scenes at small scales. Miniatures are a tale as old as time.



Kissing the Sailor
By Alfred Eisenstaedt

Super Powers

Connect with your kids!



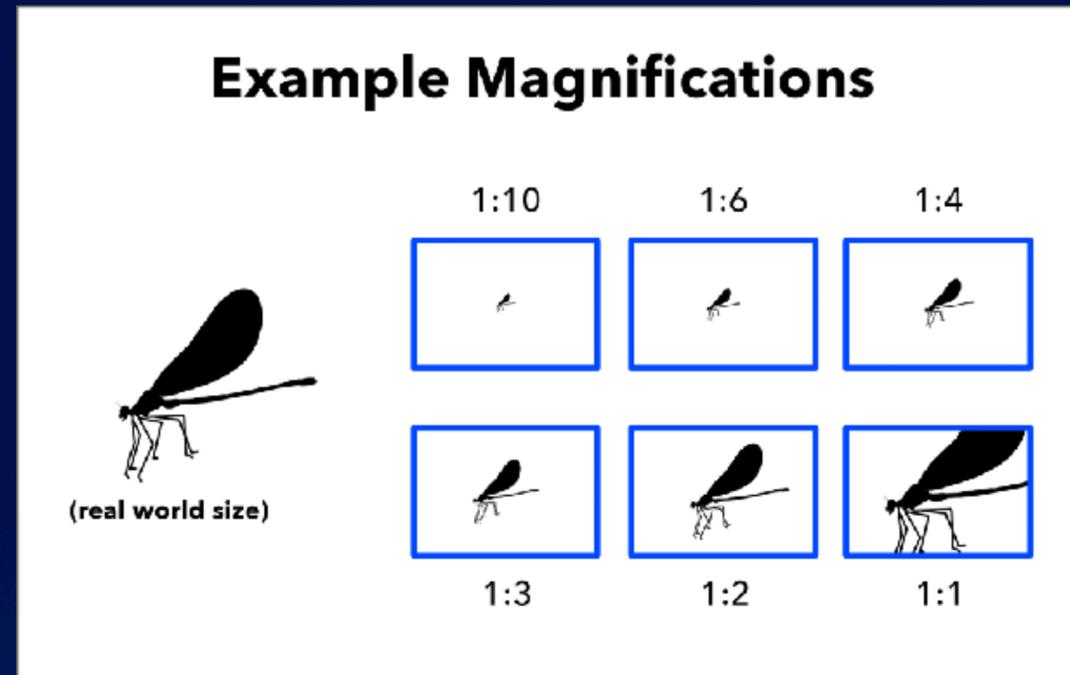
Gear Toys

- Action figures
- Collectibles
- LEGO
- HotWheels
- Craft Miniatures
- Custom Wardrobe on Etsy



Gear Lenses

- Reproduction Ratio
 - Minimum focusing distance
 - Focal length
 - Shadow interference
- Macro vs Extension tubes
 - Corner Focus
 - Aperture Sharpness/Diffraction
- Focus Breathing
- Technical Cameras
 - Reverse Tilt/Shift/Rise/Fall/Swing

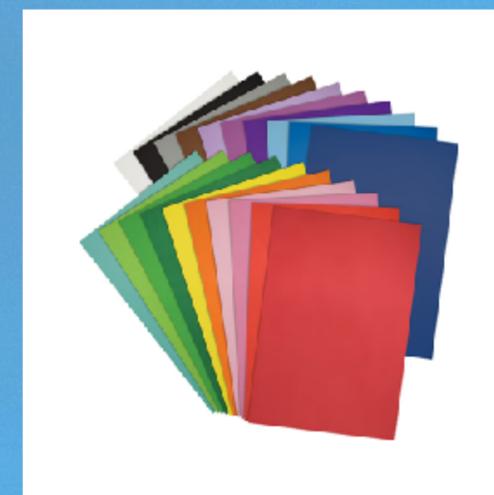
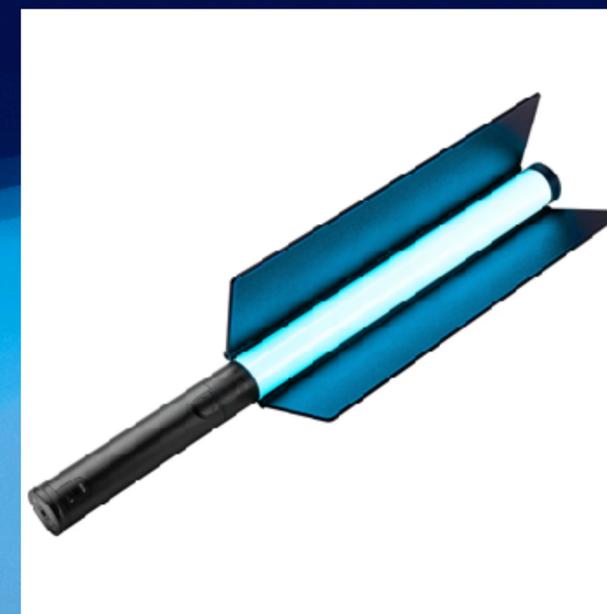


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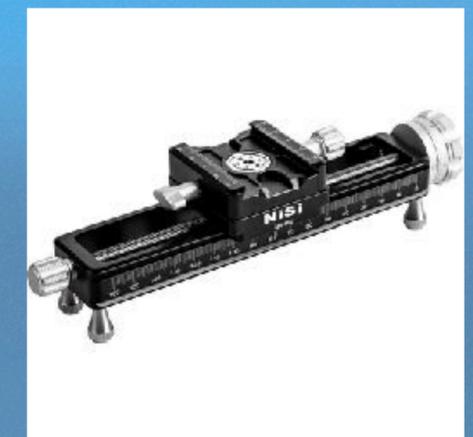
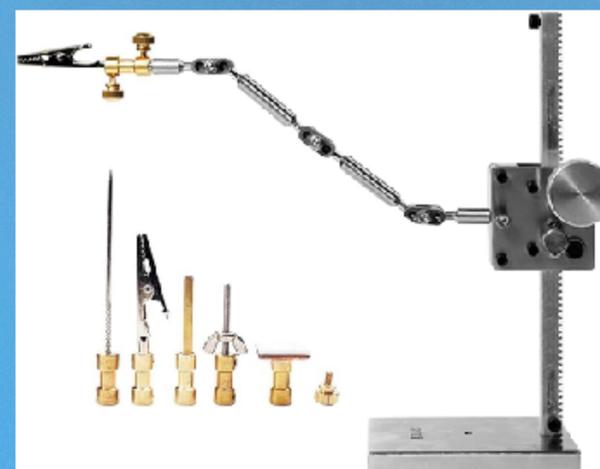
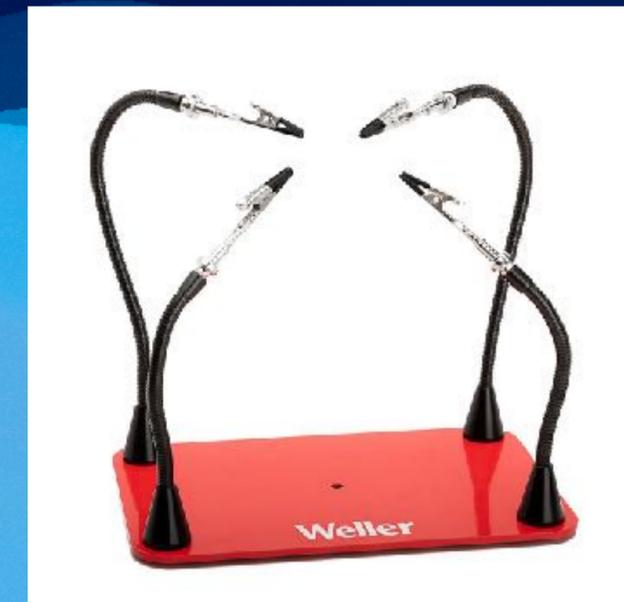
Gear Lights

- Flashlights
- Micro LEDs
- TVs and Displays
- Mirrors
- IceLight 3
- Optical Spot
- Scrim
- Foam Board



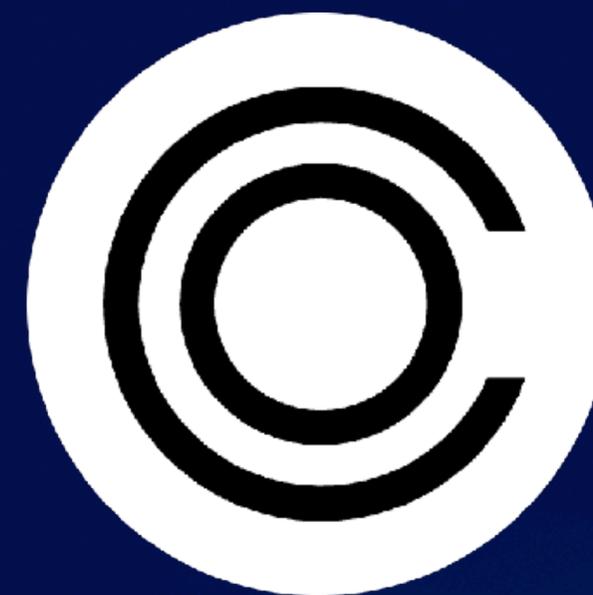
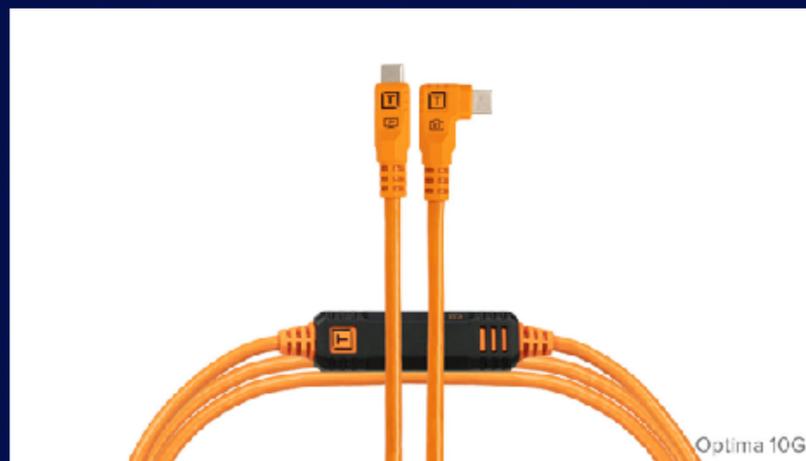
Gear Support

- Geared tripod heads
- Clear Acrylic Rods
 - Hot Glue
- Flat Clamps
- Sticky Tack
- Helping Hands
- Stop Motion Support Arm
- Fishing Line
- Macro sliders



Gear Tethering

- Tether Tools
 - Optima 10G
- Capture One
- Smart Shooter 5
- Lightroom
- Camera Native Software



SMART
SHOOTER



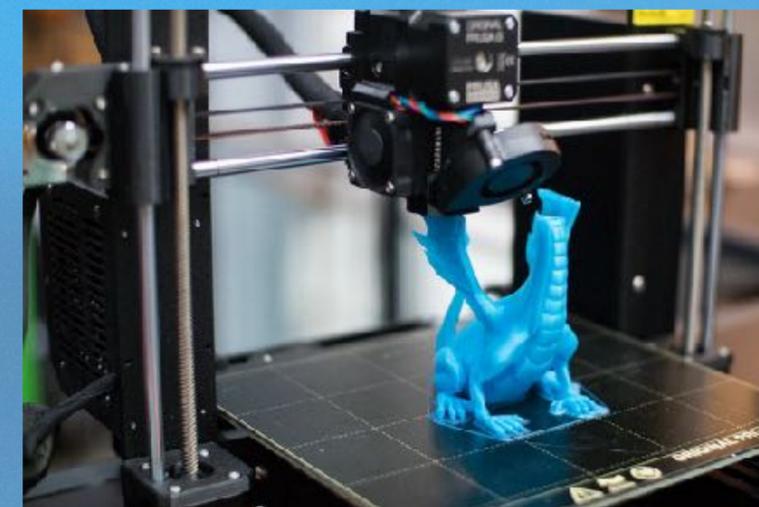
It allows you to get super precise with your composition and see the end results as you work, critical at small scales.



Gear

Special Effects

- Haze
 - Can or SmokeNinja
- Water droplets
 - 50/50 corn syrup/water
- Sand
- Explosions
- 3D Printing/Painting
- Custom Surfaces



Technique

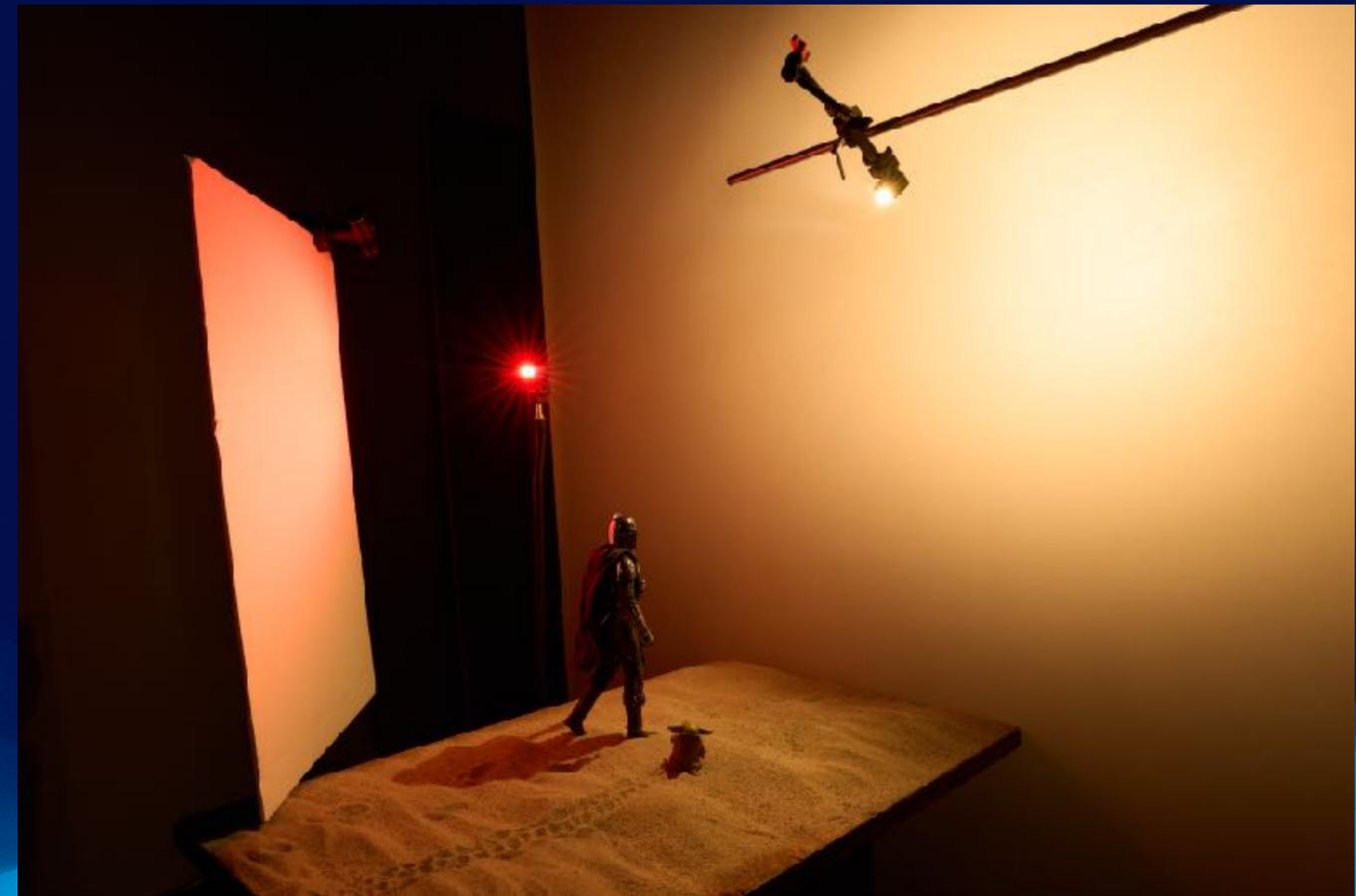
Composition

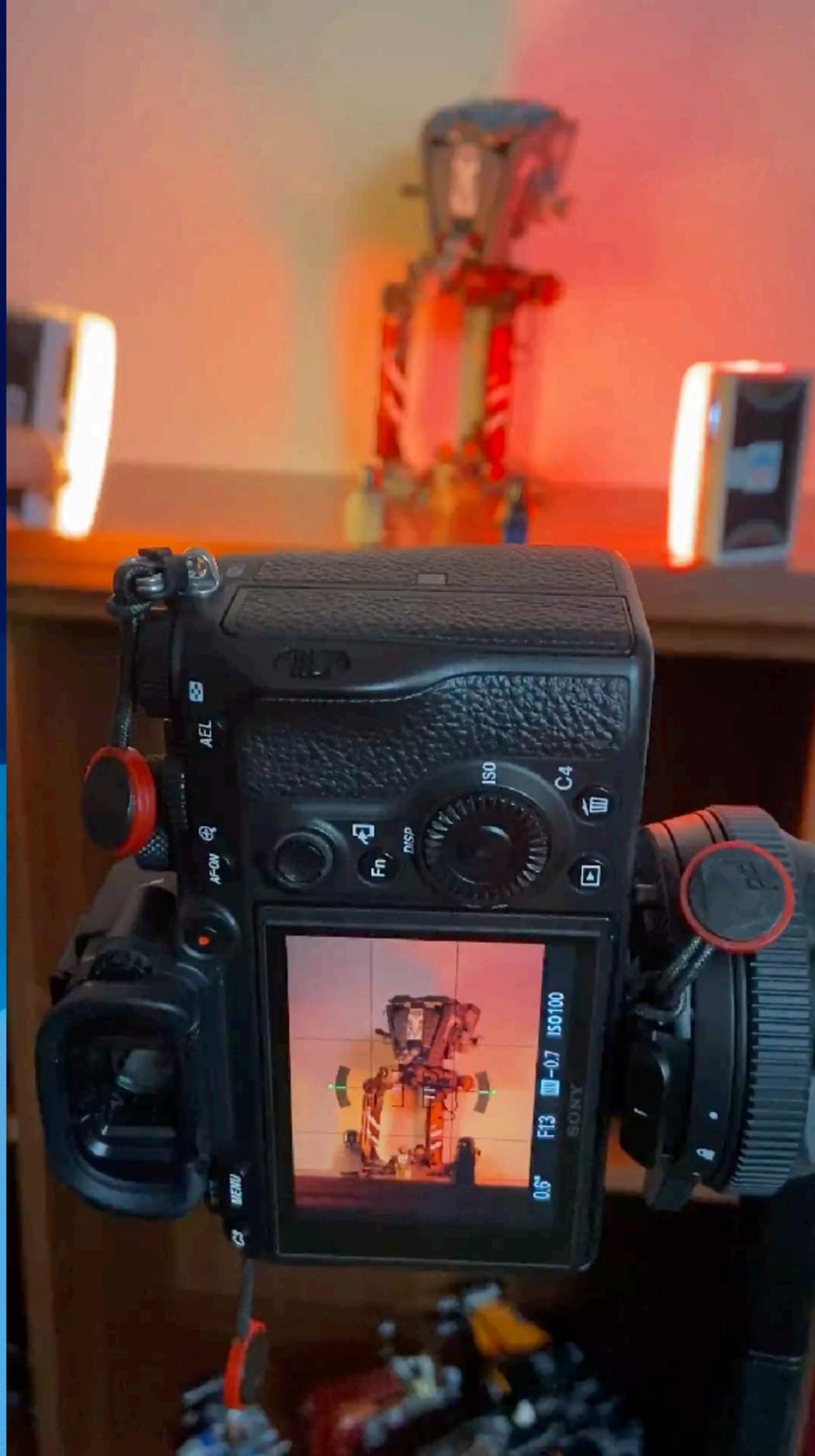
- Tiny Movements make a big difference
- Shoot at smaller apertures
 - Often f8 and up
- High magnification makes depth of field appear super shallow
- Beware of diffraction issues
 - Not a big problem with higher frequencies of light
- Manual Focusing Tip
 - Punch In - Open Up Aperture

Technique

Lighting

- Be sure composition is locked in before going too far with lighting
- The Inverse Square Law Scales!
- Light intensity controlled by distance
 - ND Gel
- Light painting/comping
- Put lights in the scene
- Good support is important!





Technique

Cleaning and Dust

- Compressed air
- Microfiber Gloves
- Tape
- Wash it
- Q-Tips
- Beware of chemicals



Editing

Focus Stacking (bracketing)

- Capture
 - Camera assisted
 - Tethering assisted
 - Manual (careful of shifts)
- Photoshop
 - Rasterized Layers
 - Edit > Auto-Align Layers > Auto
 - Edit > Auto-Blend Layers > Stack Images
- Helicon Focus



Editing Have Fun!

- Glows for lights
- Fire
- Jet packs
- Smoke/Dust
- Etc.



Inspiration

Toy Photographers

- **@plasticaction** – Dynamic action scenes and Stop Motion
- **@97_parsecs_photography** – Battle Scenes, Creative Sets
- **@blksrs** – Fantasy Scenes and Composites
- **@visual_approach_photo** – Action and Movement captured
- **@mandomugshots** – Gritty, dark aesthetic
- **@martinpalm** - Commercial Toy Car Set
- **Abandoned Miniatures** – Set building, painting, and cinematography
- **Kevin Perry** - Stop Motion and Special Effects for corporate viral content

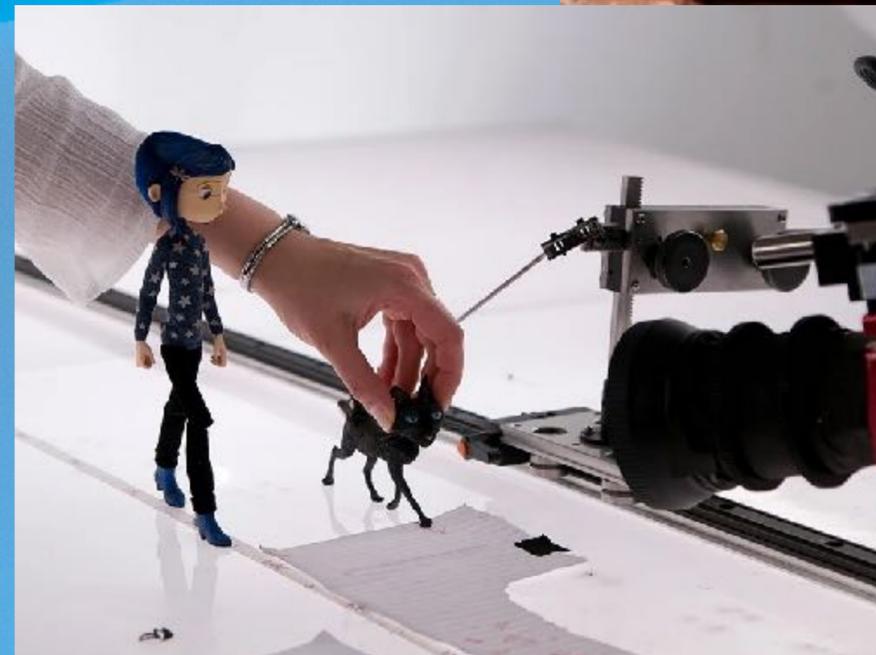
Inspiration Toys

- Custom Hot Wheels
 - Die Cast Resurrection
 - Marty's Matchbox Makeovers
 - baremetalHW
- The Craftsman Steady Craftin
 - Kit Bash and Custom Toys
- Toy Lines
 - Hot Toys Collectibles
 - Star Wars Black Series
 - LEGO



Inspiration Movies

- Toy Story
- Honey, I Shrunk the Kids
- A Bug's Life
- The Indian in the Cupboard
- Ratatouille
- The LEGO Movie
- Coraline/Nightmare Before Christmas/Flushed Away/



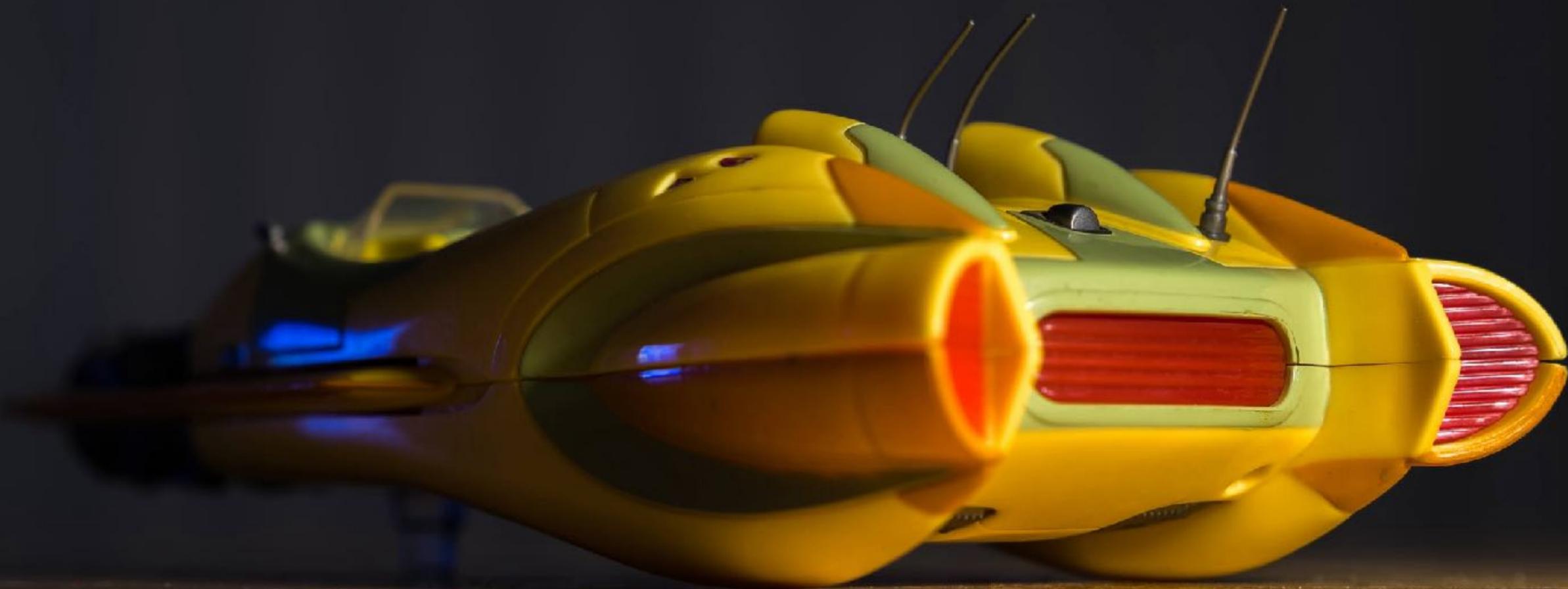
most of all...

HAVE FUN!



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QnA Time!





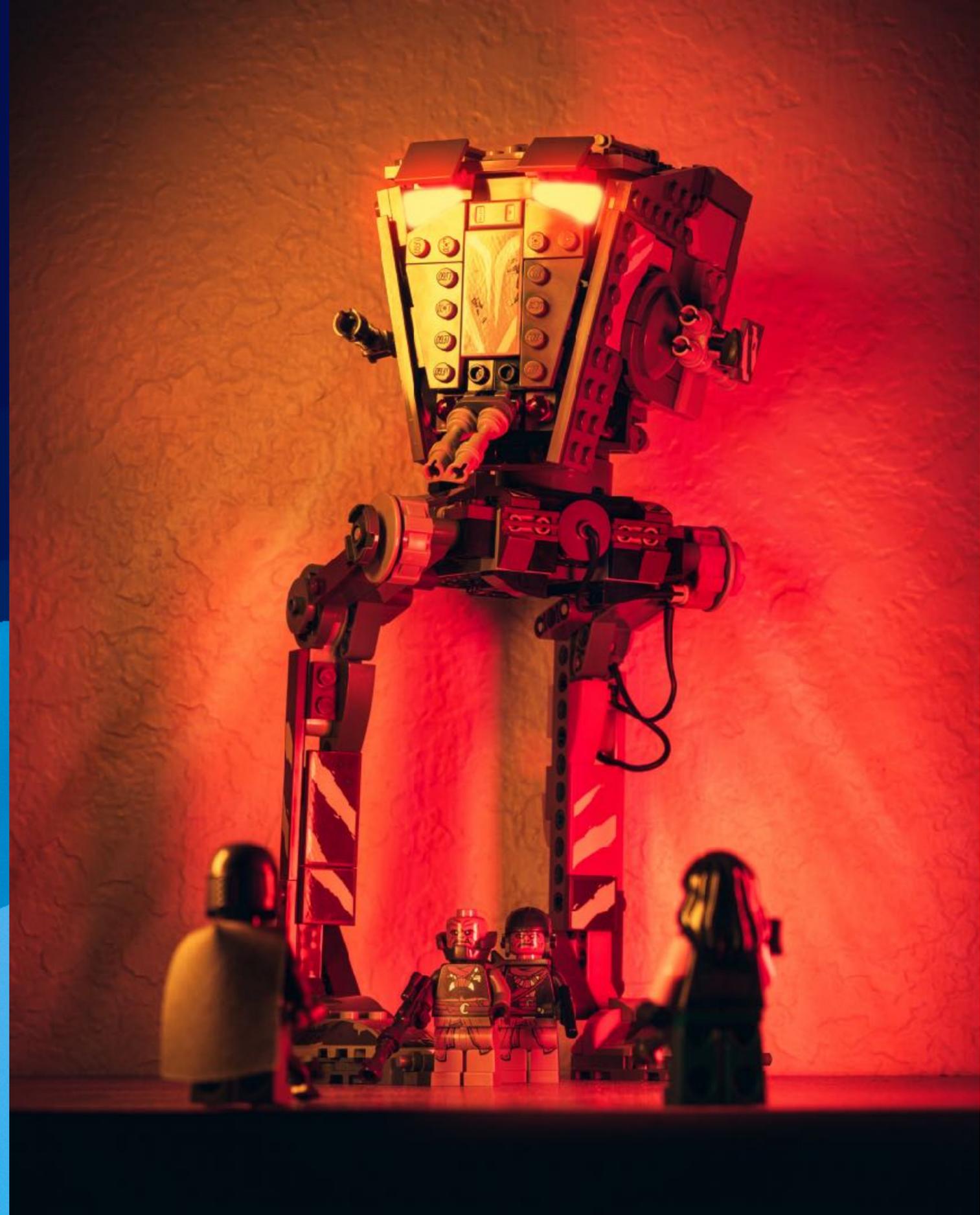






















1/8 F13  -0.3 ISO 400











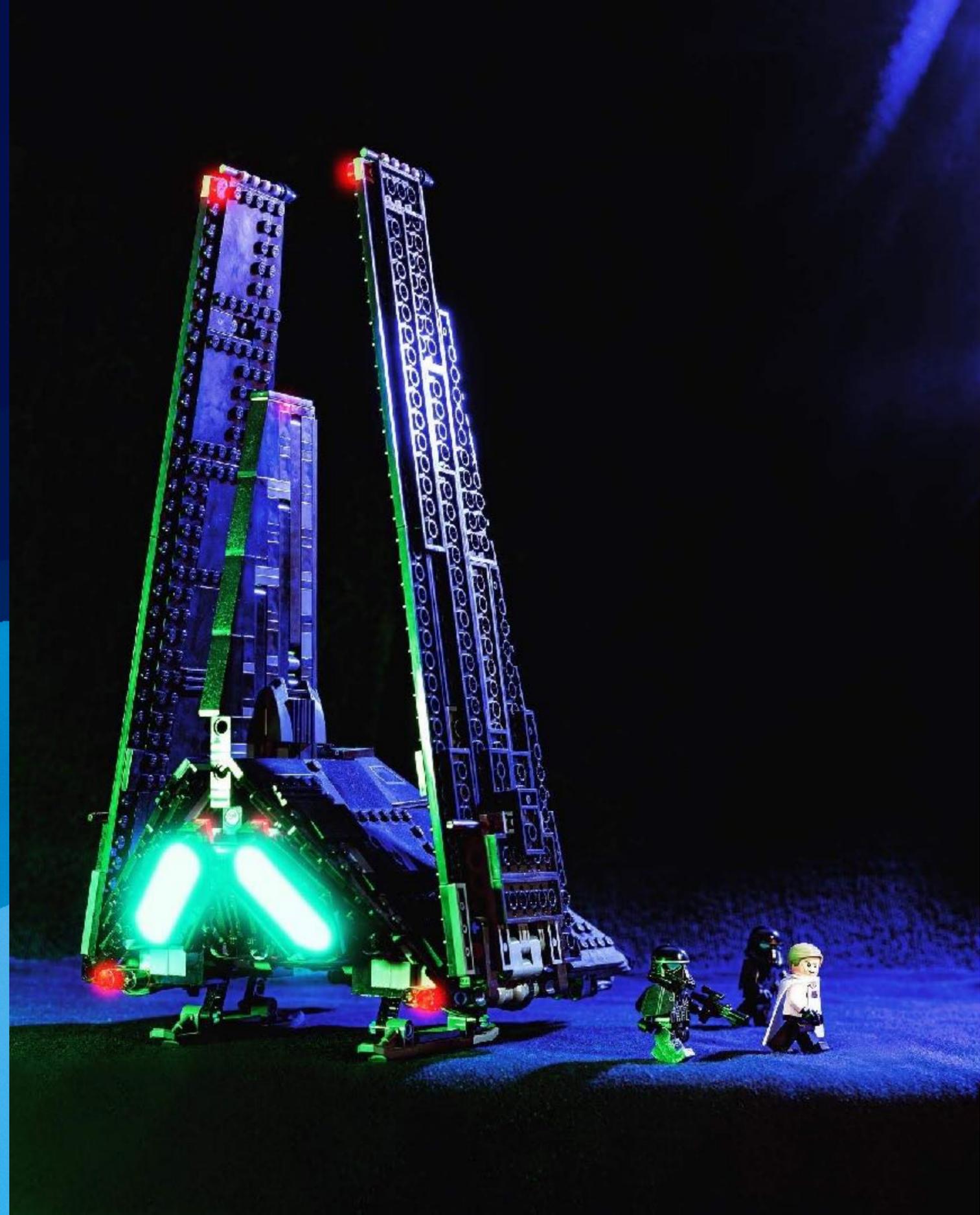






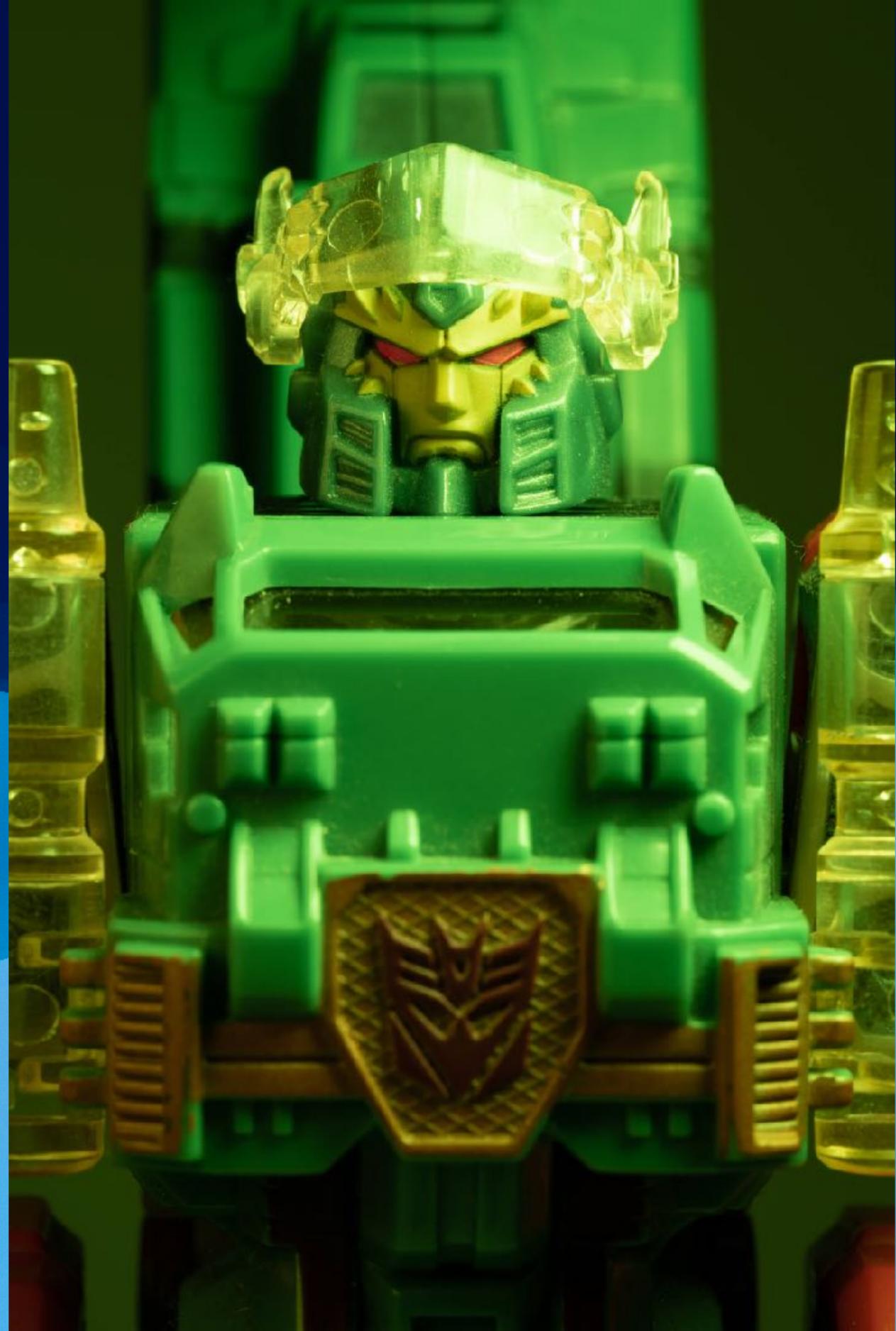
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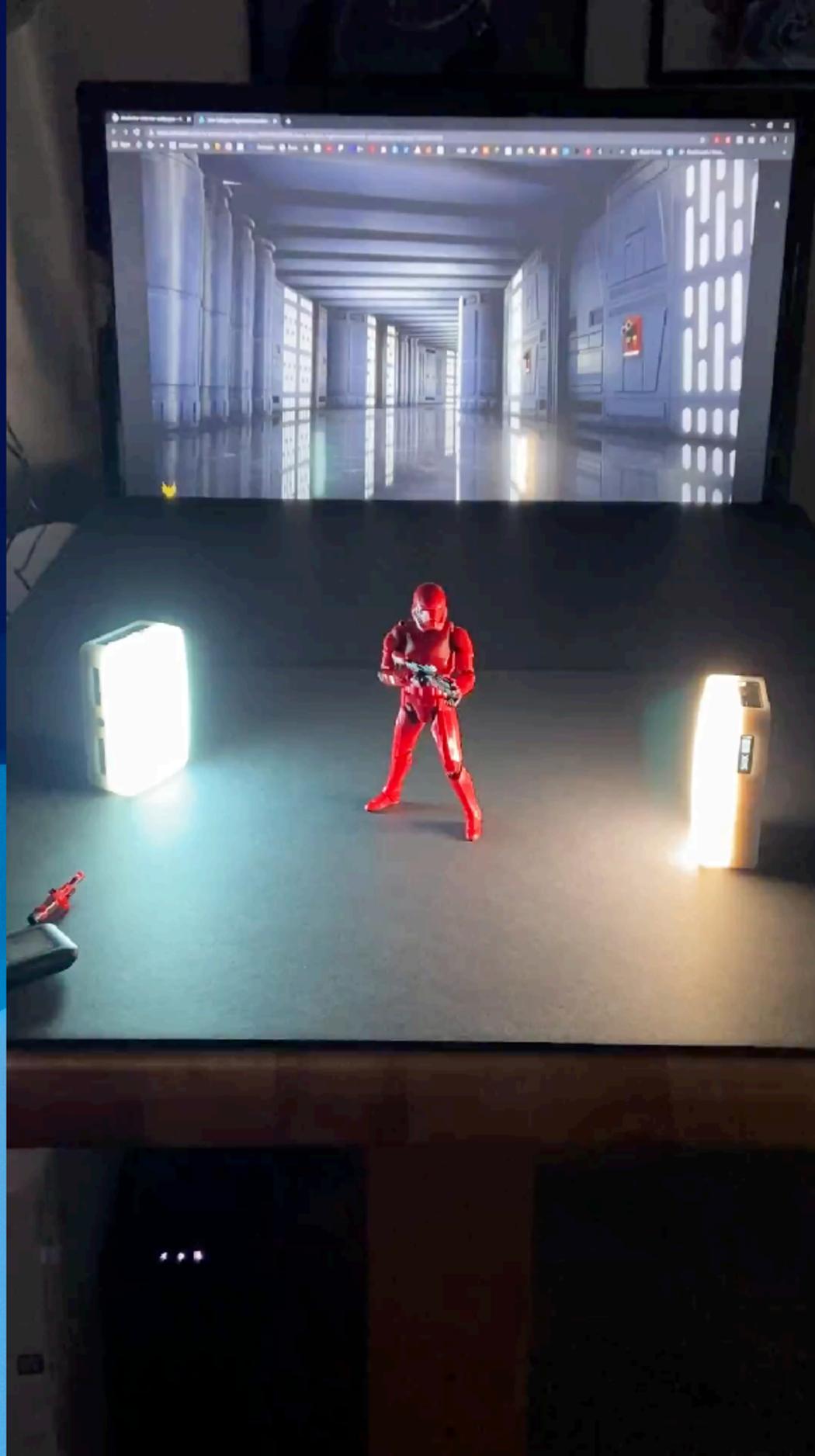






















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