

# Specifications

- 1. Overview / Scope:** Department of General Services (DGS) will be ordering darkroom items to be delivered to and installed at Lincoln University 1570 Baltimore Pike, Lincoln University PA, 19352. All shipping and installation charges must be factored into the unit cost of the item(s). Installation will be in the Photography Studio; there is elevator access to the studio. All Bid pricing should be a unit price for one unit.
- 2. Eligibility:** To be eligible for award, a bidder must comply with the following:
  - A.** bidder must be the manufacturer of the products being offered, or be an authorized representative reseller or distributor of the manufacturer's products
  - B.** Bids must be received on time and completed in their entirety
  - C.** Pursuant to Executive Order 2021-06, *Worker Protection and Investment* (October 21, 2021), the Commonwealth is responsible for ensuring that every Pennsylvania worker has a safe and healthy work environment, and the protections afforded them through labor laws. To that end, contractors and grantees of the Commonwealth must certify that they are in compliance with all applicable Pennsylvania state labor and workforce safety laws. Such certification shall be made through the Worker Protection and Investment Certification Form (BOP-2201) and submitted with the bid, proposal, or quote.
- 3. Method of Award:** An award will be given to the single lowest responsive and responsible bidder.
- 4. Documents to be returned with bid:**
  - A.** Cover letter with contact information of Representative with knowledge of this procurement
  - B.** Documentation of equipment being proposed with specifications such as owner's manual
  - C.** BOP-2201 Worker Protection Contractor Grantee Notice
  - D.** Lobbying Certification and Disclosure Form E. Reciprocal Limitations Form
- 5. Specification:**
  - A.** Products shall meet the minimum requirements for each product as described below, unless noted otherwise in product description.
  - B.** All camera/lighting gear must be compatible as necessary.
  - C.** Supplier shall honor all manufacturers warranties.
  - D.** All items provided resulting from this IFB shall be NEW, and not demonstrator, rebuilt, reconditioned, refurbished, remanufactured, or used in anyway.
  - E.** Quantities listed are estimated. Each piece of equipment must possess the features listed to follow the program curriculum at Lincoln University:

# **Darkroom and Lighting**

## **Enlarging easels**

### **11x14" Universal 4-Bladed Enlarging Easel, (Quantity 14)**

- (basis of design) Beseler 8501-01
- Heavy gauge, spring steel blades
- Detachable masking blades for individual arrangement
- Three-sided measuring scale

## **Film cameras and lighting**

### **Large Format, Entry level, Lightweight 4x5 film view Camera (Quantity 5)**

- (basis of design) Intrepid 4x5 Mk IV or V; Manfrotto aluminum tripod (details below); plus, accessories.
- Camera requirements: Lightweight, Front Rise, Shift, Swing & Base Tilt; accepts standard copal shutter lenses; includes ground glass and bellows
- Items listed below to be included with each camera:
  - 4x5 Film holders. Basis for Design: Toyo-View 4x5 Sheet Film Holders (2 Pack) **(Quantity 4)**
  - Lens boards (Appropriate copal size based on lenses purchased)
  - Lens 210mm, F5.6 Basis for Design: Rodenstock Apo-Sironar-S 210mm F5.6 Lens in Copal #1;
  - Lens 150mm F5.6 Basis for Design: Rodenstock Apo Sironar S 150mm F5.6 Lens in Copal #0;
  - Aluminum Tripod - Requirements: pan/ tilt head; minimum 25 lb load capacity; flip/ lever locks (not twist lock) Basis for Design: Manfrotto MT055XPRO3 Aluminum Tripod; Manfrotto 410 3-Way, Geared Pan-and-Tilt Head with 410PL Quick Release Plate
  - Small to Medium Dark cloth with one silver side. Basis for Design: Harrison Silver Classic Dark Cloth – Small
  - Metal or heavy-duty plastic case to hold camera, lens and accessories. Basis for Design: Pelican Vault 550 Case with Foam Insert (Black, 37L);
  - Shutter Cable release - ~10". Basis for Design: Gepe Metal Weave Covered Cable Release with Disc-Lock 10";

## Professional, 4x5 film field Camera (Quantity 3)

- Camera requirements: Front Rise, Shift, Swing, and Base Tilt; Rear Swing and Base Tilt; all metal construction; accepts standard copal shutter lenses; includes ground glass.
- Basis for design: Toyo-View 45AX 4 x 5" Field Camera with 210mm Rodenstock lens and 150mm Rodenstock lens; Manfrotto aluminum tripod (details below); plus accessories.
- Items listed below to be included with each camera:
  - 4x5 Film holders. Basis for Design: Toyo-View 4x5 Sheet Film Holders (2 Pack); **Quantity 8**
  - Lens board for each lens (Appropriate copal size based on lenses purchased)
  - Lens 210mm, F5.6 Basis for Design: Rodenstock Apo-Sironar-S 210mm F5.6 Lens in Copal #1
  - Lens 150mm F5.6. Basis for Design: Rodenstock Apo Sironar S 150mm F5.6 Lens in Copal #0 ;
  - Aluminum Tripod - Requirements: pan/ tilt head; minimum 25 lb load capacity; flip/ lever locks (not twist lock). Basis for Design: Manfrotto MT055XPRO3 Aluminum Tripod; Manfrotto 410 3-Way, Geared Pan-and-Tilt Head with 410PL Quick Release Plate
  - Small to Medium Dark cloth with one silver side. Basis for Design: Harrison Silver Classic Dark Cloth – Small
  - Metal or heavy-duty plastic case to hold camera, lens and accessories. Basis for Design: Pelican Vault 550 Case with Foam Insert (Black, 37L)
  - Shutter Cable release - ~10"; Basis for Design: Gepe Metal Weave Covered Cable Release with Disc-Lock 10"

## 35mm rangefinder film camera with M mount (Quantity 6)

- Basis for design: Leica MP 0.72 Rangefinder Camera
  - Items listed below are included with each camera:
    - 50mm 1.4 lens (Leica brand)
    - 35mm 1.4 lens (Leica brand)
    - Camera strap
    - Camera bag
    - Lens Cap

# Lighting

## Constant Lighting

### **Bi-color LED Monolight - 330W, bowens S mount (Quantity 6)**

- General Description: The high-performance, bi-color LED monolight is designed for studio and on-location photography and videography. This versatile lighting solution offers precise color temperature control, powerful output, and a robust construction, making it ideal for both still photography and video production.
- Basis for design: Godox SL300IIIBI Bi-Color LED Monolight;
- Key Features:
  - Light Source: Type: Bi-color LED moonlight
  - Output: 117,000 Lux at 3.3' (5600K)
  - Power: 330W, providing ample brightness for various lighting needs
  - Color Temperature Range: Adjustable from 2800K to 6500K, enabling flexibility and creativity in different shooting conditions

### **RGB LED monolight - 43,400 LUX (@3'), bowens S mount (Quantity 9)**

Basis for design: Godox SL300R RGB LED Light

- Key Features:
  - Light Source: Type: RGB LED monolight featuring full-color capabilities for diverse creative applications.
  - Maximum Output: 43,300 Lux @ 3.3' with Reflector
  - Power: 310W
  - Color Temperature Range: Adjustable color temperature from 2500K to 8500K, allowing for precise control over warmth and coolness.
  - RGB Range: Full RGB spectrum output for extensive color options, enabling users to create custom lighting effects.
  - Capable of producing vibrant colors and special effects for dynamic scenes.

### **Daylight LED focusing light kit (includes 3 led lights with barndoors, 3 power adapters, 3 light stands, 2 softboxes and other accessories), bowens S mount (Quantity 1)**

- General description: This kit should include three versatile LED lights that provide consistent illumination.
- Basis for design: Godox S30-D Focusing LED 3-Light Kit (Basis for design)
- Key Features:
  - Light Heads:

- Type: LED spotlight with a focusable lens design.
- 77w power consumption max
- Color Temperature: Adjustable color temperature ranges from 3000K to 6000K for warm to cool light settings.
- 6-to-55-degree beam angle
- Control Features:
  - Dimming Capability: Smooth dimming from 0% to 100%, giving users control over light intensity.
  - Mounting and Modifiers:
    - Mounting Options: Compatible with Bowens S mount modifiers, allowing for the addition of softboxes, grids, and other light-shaping tools.
    - Included Accessories: The kit includes barndoors and additional modifiers.

**Carrying bags capable of holding three led lights, three light stands. Must be on wheels (Quantity 5)**

- General Description: The Carrying Bag is for photographers and videographers looking for a reliable and practical solution for transporting and storing lighting equipment, including light stands and tripods. The bag's robust construction and smart design must ensure that gear is protected while remaining easy to carry.
- Basis of design: Godox CB-01 Wheeled Light Stand and Tripod Carrying Bag (Black, 44.9")

## **Strobe Lighting**

**Outdoor flash with softbox & CStand (kit), bowens S mount (Quantity 6)**

- General Description: The Flash with Softbox and Turtle C-Stand Kit is a powerful, portable lighting solution designed for photographers. This kit combines a high-performance flash with a versatile softbox and a sturdy C-stand for optimal ease of use and professional lighting results.
- Basis of design: Godox AD600Pro II Flash with Softbox and Turtle C-Stand Kit
- Key Features:
  - Flash
    - Power Output: 600Ws adjustable power range from 1/512 to 1/1 for versatile shooting options
      - High-Speed Sync: Supports high-speed sync mode up to 1/8000 second, allowing for creative use in daylight or bright environments
    - Full-Power Flashes: Capable of delivering up to 360 full-power flashes on a single battery charge, ensuring reliability during shoots
    - Softbox

- Type: Octagonal softbox for creating vast, soft lighting effects
- Design: Quickly attaches to the flash, providing an easy way to modify the emitted light
- Turtle C-Stand
  - Construction: Heavy-duty construction for stability and support; designed for safe handling of the flash and softbox setup
  - Booming Capability: Adjustable boom arm allows for flexible positioning and height adjustment
  - Leg Design: Unique turtle base enables nesting and close placement to other equipment on set.
- Compatibility: Compatible with a wide range of modifiers and accessories designed for Bowens S mount equipment

## **Carrying bags capable of holding three flashes, three light stands. Must be on wheels (Quantity 2)**

- General Description: The Wheeled Light Stand and Tripod Carrying Bag is designed for photographers and videographers seeking a reliable solution for storing, transporting, and protecting light stands and tripods with a length of up to 44.9 inches. This durable and functional bag is equipped with various features that enhance portability and ease of use.
- Basis of design: Godox CB-01 Wheeled Light Stand and Tripod Carrying Bag (Black, 44.9")
- Key Features:
  - Capacity: Designed to accommodate stands and tripods up to 44.9 inches long.
  - Closure System: Zipper closure for secure and easy access to equipment.
  - Carrying Options: Dual, connecting top strap handles for convenient carrying. Top haul handle for an additional carrying option, providing flexibility during transport.
  - Mobility: Built-in wheels for effortless rolling and transportation, reducing the strain of carrying heavy gear over distances.
  - Stability: Rubber foot on the bottom of the bag allows it to stand upright, providing stability when loading or unloading equipment.
  - Material: Constructed of durable nylon, ensuring long-lasting protection against wear and tear, as well as water resistance. Reinforced stitching for increased durability in high-stress areas.
  - Protection Features: Corner guards designed to absorb impacts and prevent damage to the bag and its contents during transportation.

## **Additional Rechargeable Lithium-Ion Battery Pack (for flash) (Quantity 6)**

- Basis of Design: Godox WB26 Rechargeable Lithium-Ion Battery Pack for AD600Pro Flash (28.8V, 2600mAh)
- General Description: The Rechargeable Lithium-Ion Battery Pack is designed specifically for providing reliable power and extended usage for photographers and videographers on location. Its compact and lightweight design makes it an essential accessory for powering portable lighting equipment.

- Key Features:
  - Battery Type: Rechargeable Lithium-Ion
  - Voltage: 28.8V for stable and consistent power delivery
  - Capacity: 2600mAh, allowing for substantial usage before needing a recharge
  - Compatibility: Specifically designed for the Godox AD600Pro Flash, ensuring optimal performance and reliability
- Safety Features: Integrated safety mechanisms to prevent overheating, overcharging, and short-circuiting, ensuring safe and efficient operation

## Lighting Accessories

### **Heavy duty C-Stands (turtle base & grip arm) (Quantity 6)**

- Basis for Design: Matthews Century C+ Stand with Turtle Base and Grip Arm Kit (10.5')
- **General Description:** The C Stand with Turtle Base and Grip Arm Kit is designed for use in various film, photography, and studio setups. It provides robust support for lighting fixtures, gobos, and flags, while ensuring ease of transportation and setup. The kit includes a 40" three-section upright, a removable turtle base, a Hollywood Gobo Arm, and a grip head.
- Components:
  - Century C+ Stand
    - Type: C-Stand with Removable Turtle Base
    - Maximum Height: 10.5 feet (126 inches)
    - Main Riser Length: 40 inches
    - Sections: Three (3) sections with two (2) risers
    - Leg Design: Unique staggered leg design for nesting; allows for compact placement on set without occupying excessive space
  - Removable Turtle Base
    - Base Type: Heavy-duty turtle base
    - Ease of Transport: The removable design facilitates storage and transport
    - Weight Distribution: Provides stability for the stand and prevents tipping
  - Hollywood Gobo Arm
    - Length: 40 inches
    - Material Construction: Heavy-duty cast aluminum
    - Features:
      - Equipped with the strongest grip head in the industry
      - Plates with two-hole options (3/8" and 5/8") for versatile attachment
      - Designed to securely hold small light fixtures, gobos, or flags without slipping
  - Grip Head
    - Type: Hollywood Grip Head

- Size: 2.5 inches
- Locking Mechanism: Positive lock design ensures security in all directions
- Features: Plates feature dual holes (3/8" & 5/8") to eliminate confusion when attaching accessories
- Materials and Finishes:
  - Corrosion-resistant finish to enhance longevity and maintain appearance

### **3' lantern softbox (Quantity 6)**

- Basis of Design: Aputure Lantern 90 (3')
- General Description: The lighting softbox is a versatile lighting modifier designed for use with LED and strobe fixtures. It enhances lighting setups by providing a near 360° beam angle of soft light, making it ideal for creating ambient light levels, softening shadows, and allowing focused fixtures to perform optimally.
- Key Features:
  - Diameter: 3 feet (90 cm)
  - Mounting Style: Built-in Bowens S speed ring compatible with Aputure lights
  - Hanging Option: Suitable for overhead mounting and horizontal positioning
  - Skirt Included: Four-sided skirt for light control
- Materials and Construction:
  - Material: High-quality, lightweight fabric and durable support structure designed for ease of transport and assembly
  - Construction: Reinforced seams and fittings for increased durability under frequent use

### **2.2' lantern softbox (Quantity 4)**

- Basis for design: Aputure Lantern Softbox (2.2')
- Key Features:
  - 2.2-foot diameter, Bowens mount
  - Absorbs 1 stop, 270° beam spread
  - Comes w/ skirt to control light radius
  - Able to be used on led or strobe lights
  - Sets up in seconds, carry case

### **Beauty Dish, bowens S mount (Quantity 2)**

- Basis of design: Godox Pro Beauty Dish (Silver, 21.3")
- General Description: The Beauty Dish is a high-quality lighting modifier designed for professional photography. With its silver interior and 21.3" diameter, this beauty dish enhances light quality, producing a high-contrast effect while adding detail to the subject.

- Key Features:
  - Diameter: 21.3 inches (54 cm)
  - Finish: High-reflective silver interior for increased contrast and brighter light output
  - Mounting System: Bowens S mount for compatibility with a wide range of studio strobes and flash units
  - Additionally includes a beauty sock for enhanced diffusion
- Construction and Materials:
  - Material: Durable aluminum construction for lightweight portability and long-lasting performance
    - Reflector Coating: High-quality reflective silver coating designed to withstand heat generated by studio lighting without degradation

## **Snoot with honeycomb grid, bowens S mount (Quantity 4)**

- Basis of design: Godox Snoot with Honeycomb Grid (Bowens S)
- General Description: The Snoot with Honeycomb Grid is designed to provide precise control over your lighting setup by narrowing the light beam into a soft-edged circle. It is compatible with lights featuring a Bowens S mount, making it a versatile addition to any photographer's or videographer's toolkit.
- Key Features:
  - Mounting Compatibility:
    - Designed for use with lights that have a Bowens S type mount for easy attachment and operation
  - Beam Control:
    - Narrows the beam of light into a soft-edged circle, allowing for targeted illumination of subjects
  - Honeycomb Grid:
    - Included honeycomb grid further narrows the beam spread, providing an even more focused output
- Materials and Construction:
  - Construction Material: Durable and high-quality materials designed to withstand regular use in professional settings

## **Carbon fiber tripod with lever/ flip locks; 3-way pan/tilt head; minimum 10lb support weight (Quantity 16)**

- Basis of design: Manfrotto MT190CXPRO4 Carbon Fiber Tripod with MHXPRO-3W 3-Way Pan/Tilt Head Kit
- General Description: The tripod paired with a 3-Way Pan/Tilt Head is a versatile and robust solution ideal for both photography and videography. This kit delivers a lightweight, yet sturdy support system designed to accommodate various equipment while ensuring smooth operation and adaptability.
- Key Features of Tripod:
  - Material: Made from high-quality carbon fiber for lightweight durability without sacrificing stability
  - Load Capacity: Can support up to 15.4 lbs of gear
  - Maximum Height: Extends to a maximum height of 68.1 inches
  - Leg Locking System: Features a Quick Power Lock (QPL) system that allows for rapid deployment and adjustment of the tripod legs with one hand

- Key Features of Pan/Tilt Head:
  - Type: 3-way pan/tilt head for precise movement and adjustments
  - Quick Release Plate: Includes a quick-release plate for fast and secure attachment of the camera

### **Questions / Inquiries:**

All questions about this IFB must be submitted by email to Chasity Beward at [cbeward@pa.gov](mailto:cbeward@pa.gov). Questions must be submitted no later than seven (7) days prior to bid closing. Questions submitted by any other means will not be accepted.