

INNOVATIONS



OVERVIEW

The FA 17 is a high-end LED moving head light developed by FINE ART for the premium performance market. It integrates beam, dyeing(wash), patterning(gobo) and framing. Equipped with a newly customized 1600W LED white-light module, it delivers higher light output, fuller beams, and outstanding long-throw performance. The color system is optimized for the light source, ensuring pure, rich, and color transitions(pure color, more delicate and abundant color transitions). The fixture features an absolute positioning system, providing fast and accurate horizontal/vertical reset responses to meet the demanding placement requirements of complex stage designs. It includes 2 color wheels, 2 rotating pattern wheels, 1 effects wheel, and a full-range framing system that rotates $\pm 90^\circ$ with sharp, distortion-free edges. Compact in size with uniform light distribution, it is suitable for cultural tourism projects, outdoor live performances, large stadiums, TV studios, theatres, stages, concerts, galas, auto shows, and more.

TECHNICAL SPECIFICATION

OPTICAL SYSTEM

- Light Source: 1600W LED white-light module

- Lifetime: 20,000 h
- Color Rendering: $R_a \geq 95$, $R_9 \geq 95$, TLCI: 95
- Beam Angle: 4.6°-55°
- Color Temperature: 6250 K

COLOR SYSTEM

- CMY infinite color mixing
- CTO linear adjustment 2700K-6250 K
- 2 independent color wheels: 11 colors + white; supports stepped/linear color change and adjustable-speed rainbow effect

GOBO SYSTEM

- 2 rotating pattern wheels, each with 6 interchangeable pattern gobos + white; supports chase, shake, rotation, and indexable positioning; gobo diameter: 32 mm, pattern diameter: 25 mm, thickness: 1.1 mm
- 1 full-range framing system with $\pm 90^\circ$ rotation (optional continuous-rotation framing system)
- 1 animation wheel that can be inserted/withdrawn, rotated continuously, and simulate dynamic effects; effects can be layered with rotating pattern wheels

EFFECTS

- Dimming: 0–100% linear dimming
- Frost: 2 independent frost filters, overlayable, 0–100% frost effect
- Strobe: fast strobe with multiple modes (pulse, asynchronous, synchronous, random slow/medium/fast)
- Prism: 1 rotating 4-facet prism + 1 rotating 4-facet gradient prism, bidirectional rotation
- Fast motorized iris: 5–100% linear adjustment

MOVEMENT PARAMETER

- Pan: 540°, accuracy 2.11°/step, fine-adjust accuracy 0.008°
- Tilt: 270°, accuracy 1.05°/step, fine-adjust accuracy 0.004°
- Absolute positioning
- Magnetic encoder positioning system for both pan and tilt

CONTROL AND PROGRAMMING

- Control Channels: 35 (Standard) / 43 (16 bit) / 47 (Extended)
- Protocols: DMX512 / RDM, Art-Net, wireless DMX512 (optional)
- Display: 2.8-inch B&W TFT screen; 180° invertible text; contact-free scroll-wheel operation with quick-return button

ELECTRONIC CONTROL TECHNOLOGY

- Built-in rechargeable battery for menu operation when power is off
- Power-saving mode when shutter is closed
- Intelligent fan control
- Cooling: forced air(cooling); advanced thermal design keeps internal components within optimal temperature range, extending lifespan and improving reliability
- Electronic sensor monitoring
- DMX channel level monitoring
- Pan/tilt driven by three-phase motors for smooth low-speed movement and low noise
- On-screen display of fixture info, lamp usage time, and fault messages
- Electronic focusing
- RDM bidirectional communication
- Remote console control: DMX address change, lamp on/off, reset, mode switching
- Software upgrade via DMX port
- Input signal isolation protection
- Caiyi Cloud function (optional)

POWER SUPPLY

- Input Voltage Range: AC 200-240 V, 50/60 Hz
- Max. Power Consumption: 2000 W
- Power Factor: PF $\geq$ 0.98
- Power Connector: PowerCON TRUE1 input
- Signal In/Out: 3-pin XLR in/out, RJ45 port

WORKING ENVIRONMENT

- Temperature: -10℃ ~40℃

DIMENSION AND WEIGHT

- Product Dimensions: 448 × 332 × 841 mm (17.6 × 13.1 × 33.1 in)
- Packaging Dimensions: 748 × 585 × 868 mm (29.4 × 23.0 × 34.2 in)
- Net Weight: 50.5 kg (111.3 lbs)
- Gross Weight: 91 kg (200.6 lbs)

PACKAGE

- 1 set / flight case

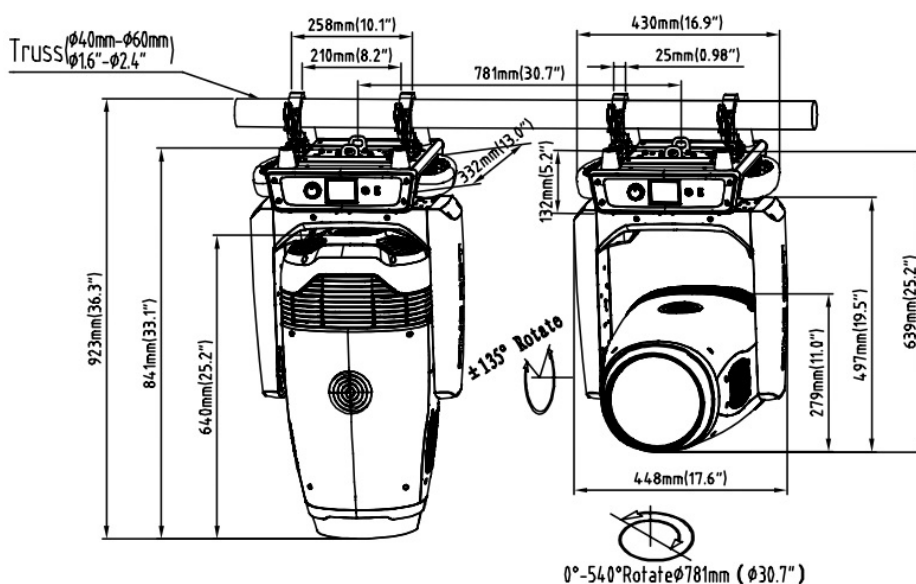
INSTALL

- Horizontal or vertical mounting
- 2 folding hook brackets for $\Phi 40$ – $\Phi 60$ mm truss (integrated)
- Safety cable eyelet

IP RATE

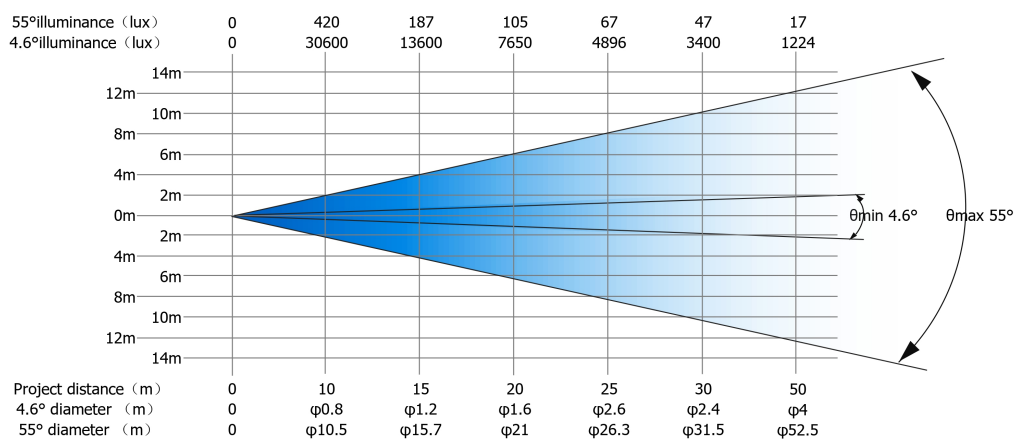
- IP 20

DIMENSIONS



PHOTOMETRICS

FA17 Photometric diagram



GOBOS & COLORS

Color Wheel 1



Color Wheel 2



Rotating Gobo Wheel 1



Rotating Gobo Wheel 2



Animation Wheel

