ETC GigaPix

High End Systems



Type(s)
Project
Date

Notes

GENERAL INFORMATION

GigaPix brings next-level performance to the pixel wash fixture. With a patented Integrated Fresnel Lens (IFL) System, these fixtures deliver the classically beautiful output characteristics of a Fresnel lens. Create a wide range of elegant stage washes with advanced RGBL color mixing, smooth dimming, and a 2000–10000 K CT channel. On top of all that, a robust Pixel, Macro, and Flex Effects system provides unique face looks and plenty of splash. Weather-rated with an IP54 rating, GigaPix is protected from dust and rain, whether used inside the theatre or outside on a festival stage.

Applications

- Live concerts
- Tradeshows
- Festivals
- Industrial shows
- Award shows
- Studios
- Theatre
- · Corporate events

Product Features

- Additive LED, RGBL, color mixing system for powerful saturated colors and tunable white control
- Exceeds 16,700 Lumens
- Efficient and beautiful Integrated Fresnel Lens system
- Soft field with 4.5°–55° zoom
- CT Channel achieves the top tier TM30 color rendering Preference 1 (P1) guidelines from 2,000–10,000 K
- FleX Effects Generator for easily customizable macros
- Nine cell pixel mapping
- Modular control with Art-Net or sACN in addition to simultaneous DMX control
- Weather rated for temporary use outdoors against rain and dust (IP54)

ORDERING INFORMATION

| Model | Description |
|-------|---|
| GP-MI | GigaPix, Black, with Molded Insert, Boxed |
| RC-GP | Roadcase for GigaPix, (fits up to three (3) GigaPix) |

Color Options: Fixtures ship standard in black. White available by request. Included Accessories: Fixture includes two (2) 107 mm single-hole Omega brackets, one (1) fixture power cord bare ends to powerCON® TRUE1® compatible connector, and a safety cable.

Accessories

| Model | Description |
|-------------|---|
| GP-TH | Top Hat, Snoot for GigaPix |
| 2500B7029-A | Fixture Power Cord Upgrade, 5 ft TRUE1 TOP to Parallel Blade U-Ground (Edison) |
| 2560B7005 | Fixture Power Cord Upgrade, Stage Pin to powerCON TRUE1 TOP, 20 A |
| 2560B7006 | Fixture Power Cord Upgrade, L6-20 to powerCON TRUE1 TOP, 20 A |
| 2560B7007 | Fixture Power Cord Upgrade, L5-20 to powerCON TRUE1 TOP, 20 A |
| 67040007 | MegaClaw™ |
| 55040014 | Cheeseborough 2" Alloy 1/2 Coupler Truss Clamp |
| 67040010 | Mini-Claw [™] |



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PRODUCT SPECIFICATIONS

Source

| Engine | Custom RGBL LED |
|-------------------------------|----------------------------|
| LED Details | Nine (9) 60 W LED engines |
| Field Lumens | See photometrics on page 4 |
| Max Integrating Sphere Lumens | 16,700 |
| LPW | 31 |
| LED Life | 50,000 hours |

Color

| Color Mixing | Additive RGBL color mixing |
|-------------------|---|
| Color Temperature | 2000 K to 10000 K TM-30 Preference 1 |

Optical

| Angle Range | 4.5°–55° |
|--------------------------|--|
| Aperture Size | 217 mm |
| Diffusion | Soft and homogenized field of light throughout entire zoom range |
| Flicker Control/Hz Range | 2.4 kHz and 16 kHz |

Control

| Input Method | DMX (5-pin) or Ethernet |
|---------------------|---|
| Protocols | DMX via RS-485 Art-Net or sACN via Ethernet |
| Ethernet Pass-Thru | No |
| Modes (Footprint) | Wash (15) Base (25), Base+Flex (45), and separately addressable Pixel Control Module (36) |
| RDM Functions | Yes |
| UI Type | Full-color graphical UI 5-button navigational control NFC configuration |
| Local Control | Yes |
| Dimming Performance | 16-bit, DMX controlled |

Electrical

| Voltage Range | 100–240 V 50–60 Hz |
|---------------------------|---|
| Input Method | REAN® power X Series Connectors |
| Wattage | 750 W |
| Current (Max) | 7.5 A @ 100 V 3.0 A @ 240 V |
| Inrush (First Half Cycle) | 120 V: 25 A 230 V: 45 A |
| Fixtures per Circuit | 2 fixture (R20 module or similar) Note: REAN power X Series connector rated for 20 A (120 V/60 Hz) and 16 A (240 V/50 Hz) |

Thermal

| Ambient Operating Temp | -10°C to 40°C (14°F to 104°F) |
|------------------------|----------------------------------|
| Fan Mode | Auto, Studio, Linear fan control |

Physical

| Pan and Tilt Range | 540° pan, 264° tilt |
|----------------------|--|
| Max Pan/Tilt Speed | 360° in 1.3 s/180° in 0.65 s |
| Materials | Steel and aluminum frame with molded plastic covers and protected rubber bellows |
| Color Options | Black, white by request |
| Mounting Options | Any orientation |
| IP Rating | IP54 |
| Weight | 15 kg (33 lb) |
| Included Accessories | REAN power X Series Connector to bare end fixture tail Two (2) 107 mm single-hole Omega brackets Safety cable |

Warranty

| Fixture Warranty | Five (5) years for light engine Two (2) years for complete fixture |
|------------------|---|
| Warranty Details | etcconnect.com/Support/Warranty.aspx |

Regulatory & Compliance

| Approved regulatory standards | cETLus Listed Listed to UL 1573 Certified to CSA STD. C22.2 No: 166 CB Compliant UKCA Compliant |
|--------------------------------|---|
| Complies to the ROHS directive | Yes |

Safety

| Safety | Minimum distance to illuminated surface = 1.0 m (3.3 ft) Minimum distance from fixture head to |
|--------|--|
| | combustible materials = 0.1 m (4.0 in) |

Notes: All LED sources experience some lessening of light output and some color shift over time. LED output will vary with thermal conditions. Thermal conditions can be affected by ambient temperatures and orientation.

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PHOTOMETRIC DATA

GigaPix - All On, Auto Fan Mode

| J | Degree | Candela | Field Lumens | Power Usage | Lumens Per Watt |
|--------------|--------|-----------|-----------------|----------------|--------------------|
| Narrow Beam | 4.5° | 1,200,500 | 7,574 | 540 W | 14 |
| Medium Field | 26° | 183,100 | 12,269 | 540 W | 23 |
| Wide Field | 55° | 49,100 | 15,777 | 540 W | 29 |

Narrow Beam- 4.5°

| 10.7.0.1. = 00.11. 1.70 | | | | | | |
|-------------------------|------------------|------------------|------------------|------------------|-------------------|--|
| Throw Distance | 10 ft 3.0 m | 20 ft 6.1 m | 30 ft 9.1 m | 50 ft 15.2 m | 200 ft 61 m | |
| Field Diameter | 0.8 ft 0.25 m | 1.6 ft 0.49 m | 2.4 ft 0.74 m | 3.9 ft 1.19 m | 15.7 ft 4.79 m | |
| Illuminance (fc) | 12,005 | 3,002 | 1,334 | 481 | 31 | |
| Illuminance (lux) | 129,168 | 32,292 | 14,352 | 5,167 | 323 | |

Medium Field - 26°

| Throw Distance | 10 ft 3.0 m | 20 ft 6.1 m | 30 ft 9.1 m | 50 ft 15.2 m | 200 ft 61 m | |
|-------------------|------------------|------------------|-------------------|-------------------|--------------------|--|
| Field Diameter | 4.6 ft 1.41 m | 9.2 ft 2.81 m | 13.9 ft 4.24 m | 23.1 ft 7.05 m | 92.3 ft 28.14 m | |
| Illuminance (fc) | 1,831 | 458 | 204 | 74 | 5 | |
| Illuminance (lux) | 19,698 | 4,925 | 2,189 | 788 | 49 | |

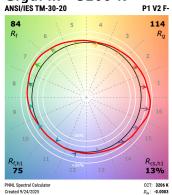
Wide Field- 55°

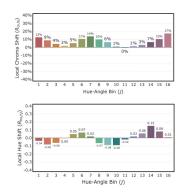
| Wide lield 33 | | | | | | |
|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|--|
| Throw Distance | 10 ft 3.0 m | 20 ft 6.1 m | 30 ft 9.1 m | 50 ft 15.2 m | 200 ft 61 m | |
| Field Diameter | 10.4 ft 3.17 m | 20.8 ft 6.34 m | 31.2 ft 9.51 m | 52.1 ft 15.89 m | 208.2 ft 63.46 m | |
| Illuminance (fc) | 491 | 123 | 55 | 20 | 2 | |
| Illuminance (lux) | 5,274 | 1,319 | 586 | 211 | 13 | |

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

Metric conversions: For meters, multiply feet by 0.3048. For lux, multiply footcandles by 10.76.

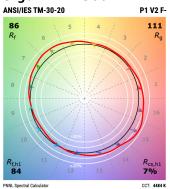
GigaPix - 3200 K

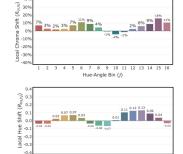




| Additional Color Metrics | | |
|--------------------------------------|----------|--|
| CRI R _a (R ₉) | 75 (-15) | |
| TLCI | 74 | |

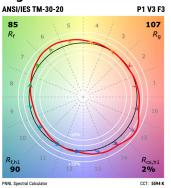
GigaPix - 4500 K

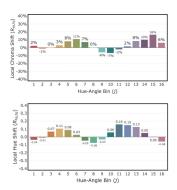




| Additional Colo | r Metrics |
|--------------------------------------|-----------|
| CRI R _a (R ₉) | 84 (31) |
| TLCI | 84 |

GigaPix - 5600 K





| Additional Color Metrics | | |
|--------------------------------------|---------|--|
| CRI R _a (R ₉) | 85 (74) | |
| TLCI | 86 | |

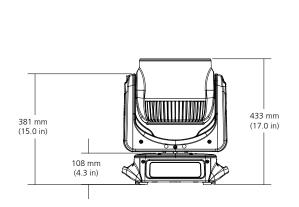
ETC GigaPix*

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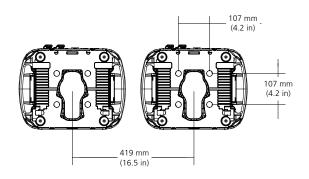
Product Dimensions

| Model | Hei | ght | Width | | Depth | | Weight | |
|-----------------------------------|------|-----|-------|-----|-------|-----|--------|------|
| | in | mm | in | mm | in | mm | lb | kg |
| GigaPix** | 17.8 | 452 | 14.1 | 357 | 11.0 | 279 | 33.0 | 15.0 |
| GigaPix in Box with Molded Insert | 22.1 | 562 | 21.2 | 540 | 15.3 | 388 | 50.0 | 22.7 |

^{**}Does not include mounting hardware



GigaPix 227 mm (8.9 in) 118 mm (4.7 in) 452 mm (17.8 in) 279 mm (11.0 in)



Power Table

| VAC | Amps | Hz | Watts | VA | PF |
|-----|------|----|-------|-----|------|
| 100 | 7.0 | 50 | 702 | 403 | 0.99 |
| 120 | 5.7 | 60 | 677 | 677 | 0.99 |
| 200 | 3.3 | 50 | 658 | 658 | 0.98 |
| 208 | 3.2 | 60 | 658 | 658 | 0.98 |
| 220 | 3.0 | 50 | 661 | 661 | 0.98 |
| 230 | 2.9 | 50 | 655 | 655 | 0.98 |
| 240 | 2.7 | 60 | 657 | 657 | 0.97 |

ADDITIONAL ORDERING INFORMATION

Additional Accessories

| Model Number Description | |
|--------------------------|--|
| H7180023 | Omega bracket, 107 mm single-hole (included) |
| 2599A2000 | Omega bracket, 107 mm three-hole |



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