



Type(s)

Project

Date

Notes

GENERAL INFORMATION

MegaPix 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 2,000–10,000 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, MegaPix is protected from dust and rain, whether used inside the theatre or outside on a festival stage.

Applications

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

Product Features

- Additive LED, RGBL, color mixing system for powerful saturated colors and tunable white control
- Exceeds 10,000 Lumens
- Patented Integrated Fresnel Lens system and HaloGraphic Pixel Definition
- Soft field with 4.5°–50° zoom
- CT Channel achieves the top tier TM30 color rendering Preference 1 (P1) guidelines from 2,200–10,000 K and P2 from 2,000–2,200 K.
- Flex Effects Generator for easily customizable macros
- Six 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 (IP 54)
- HazeFree protected lenses for improved efficiency, longevity, and visual impact

ORDERING INFORMATION

| Model | Description |
|-------|---|
| MP-MI | MegaPix, Black, with Molded Insert, Boxed |
| RC-MP | Roadcase for MegaPix, (fits up to six (6) MegaPix) |

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 |
|-------------|--|
| MP-TH | Top Hat, Snoot for MegaPix |
| 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™ |



PRODUCT SPECIFICATIONS

Source

| | |
|-------------------------------|----------------------------|
| Engine | Custom RGBL LED |
| LED Details | Six (6) 60 W LED engines |
| Field Lumens | See photometrics on page 4 |
| Max Integrating Sphere Lumens | 10,000 |
| LPW | 28 |
| 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°–50° |
| Aperture Size | 146 mm |
| Diffusion | Soft and homogenized field of light throughout entire zoom range |
| Flicker Control/Hz Range | 2.4 kHz, 16 kHz, and 25 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 (24) |
| 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 Connector |
| Wattage | 450 W |
| Current (Max) | 4.5 A @ 100 V 1.8 A @ 240 V |
| Inrush (First Half Cycle) | 120 V: 47.6 A 230 V: 59.2 A |
| Fixtures per Circuit | 4 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 1.07 s/180° in 0.87 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 | 9.2 kg (20.3 lb) |
| Included Accessories | X Series IP65 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 Certified CE Compliant UKCA Compliant |
| Complies to the ROHS directive | Yes |

Safety

| | |
|--------|--|
| Safety | Minimum distance to illuminated surface = 0.5 m (1.6 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.

PHOTOMETRIC DATA

MegaPix - All On, Auto Fan Mode

| | Degree | Candela | Field Lumens | Power Usage | Lumens Per Watt |
|--------------|--------|---------|--------------|-------------|-----------------|
| Narrow Beam | 4.5° | 640,300 | 4,193 | 360 W | 12 |
| Medium Field | 26° | 105,100 | 7,706 | 360 W | 21 |
| Wide Field | 50° | 30,100 | 10,025 | 360 W | 28 |

Narrow Beam- 4.5°

| | | | | | |
|-------------------|------------------|------------------|------------------|------------------|-------------------|
| 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) | 6,403 | 1,601 | 712 | 257 | 17 |
| Illuminance (lux) | 68,890 | 17,222 | 7,654 | 2,756 | 172 |

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) | 1,051 | 263 | 117 | 43 | 3 |
| Illuminance (lux) | 11,302 | 2,826 | 1,256 | 452 | 28 |

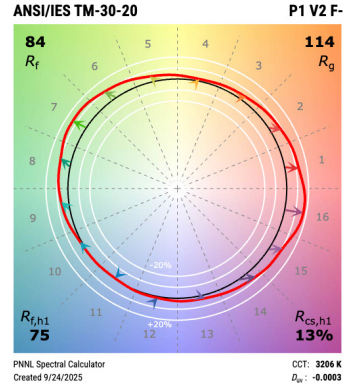
Wide Field- 50°

| | | | | | |
|-------------------|------------------|------------------|-----------------|--------------------|---------------------|
| 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 | 9.3 ft 2.84 m | 18.7 ft 5.7 m | 28 ft 8.54 m | 46.6 ft 14.21 m | 186.5 ft 56.85 m |
| Illuminance (fc) | 301 | 76 | 34 | 13 | 1 |
| Illuminance (lux) | 3,229 | 807 | 359 | 129 | 8 |

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

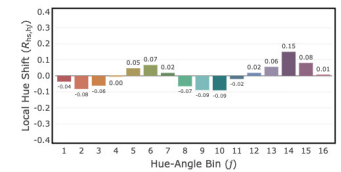
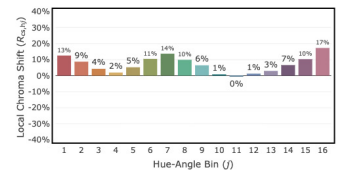
Metric conversions: For meters, multiply feet by 0.3048.
For lux, multiply footcandles by 10.76.

MegaPix - 3200 K

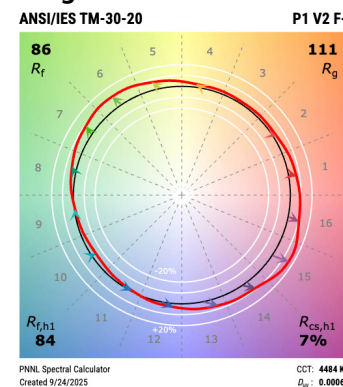


Additional Color Metrics

| | |
|---------------------|----------|
| CRI R_a (R_g) | 75 (-15) |
| TLCI | 74 |

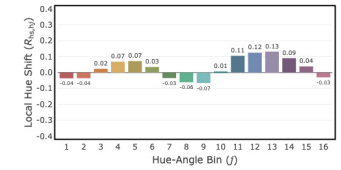
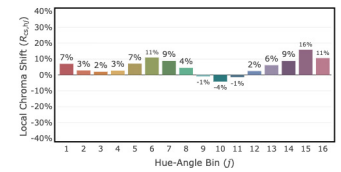


MegaPix - 4500 K

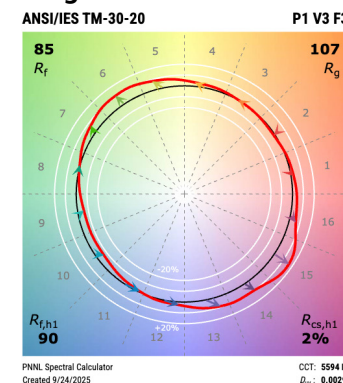


Additional Color Metrics

| | |
|---------------------|---------|
| CRI R_a (R_g) | 84 (31) |
| TLCI | 84 |

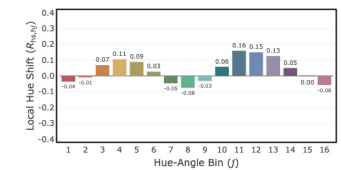
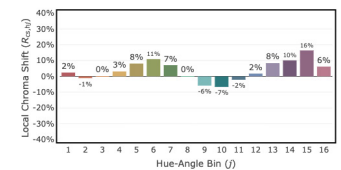


MegaPix - 5600 K



Additional Color Metrics

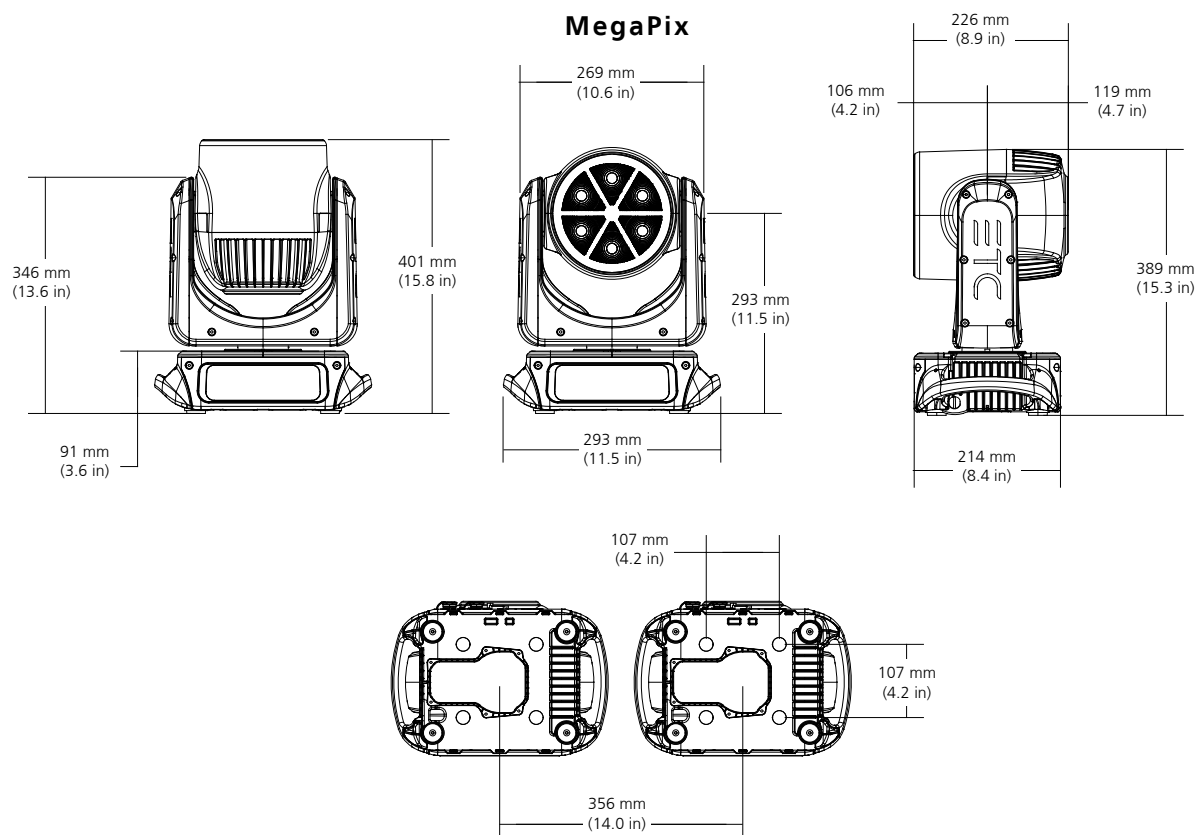
| | |
|---------------------|---------|
| CRI R_a (R_g) | 85 (74) |
| TLCI | 86 |



Product Dimensions

| Model | Height | | Width | | Depth | | Weight | |
|---------------------------------|--------|-----|-------|-----|-------|-----|--------|-------|
| | in | mm | in | mm | in | mm | lb | kg |
| MegaPix** | 15.8 | 401 | 11.5 | 293 | 8.9 | 226 | 20.3 | 9.2 |
| MegaPix in Box with Foam Insert | 21.0 | 533 | 16.0 | 406 | 11.0 | 280 | 32.3 | 14.65 |

**Does not include mounting hardware



Power Table

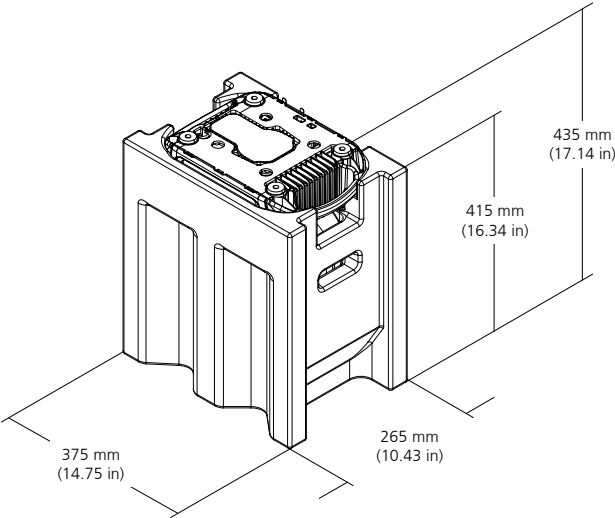
| VAC | Amps | Hz | Watts | VA | PF |
|-----|------|----|-------|-----|------|
| 100 | 4.5 | 50 | 448 | 454 | 0.98 |
| 120 | 3.8 | 60 | 447 | 453 | 0.98 |
| 200 | 2.2 | 50 | 426 | 433 | 0.97 |
| 208 | 2.1 | 60 | 422 | 433 | 0.97 |
| 220 | 2.0 | 50 | 418 | 432 | 0.96 |
| 230 | 1.9 | 50 | 417 | 433 | 0.96 |
| 240 | 1.8 | 60 | 416 | 436 | 0.95 |

ADDITIONAL ORDERING INFORMATION

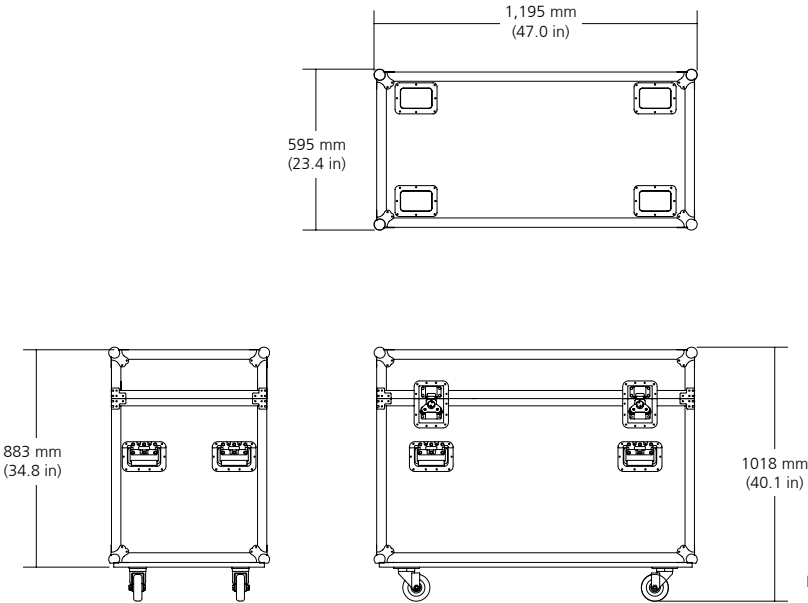
Additional Accessories

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

Molded Case Insert Dimensions



Optional Roadcase Dimensions



Case Weight:
68 kg (150 lb)
Does not include fixtures or molded inserts

