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 17,000 Lumens
- Patented Integrated Fresnel Lens system and HaloGraphic Pixel Definition
- 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)
- HazeFree protected lenses for improved efficiency, longevity, and visual impact

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, 16 kHz, 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 (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 Certified CE 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.

PHOTOMETRIC DATA

GigaPix - All On, Auto Fan Mode

	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°

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°

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.
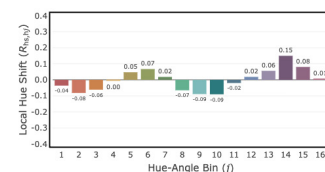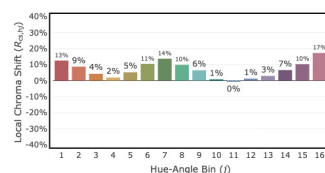
Metric conversions: For meters, multiply feet by 0.3048.
For lux, multiply footcandles by 10.76.
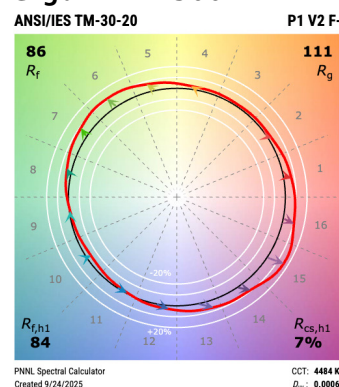
GigaPix - 3200 K

ANSI/IES TM-30-20   P1 V2 F-

R_f: 84 R_g: 114
$R_{f,h1}$: 75 $R_{cs,h1}$: 13%

PNNL Spectral Calculator
Created 9/24/2025
CCT: 3206 K
D_{uv}: -0.0003
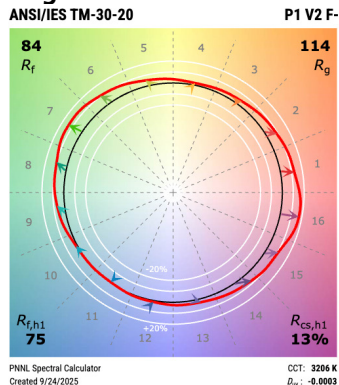
Additional Color Metrics

CRI R_a (R_9)	75 (-15)
TLCI	74

GigaPix - 4500 K

ANSI/IES TM-30-20   P1 V2 F-

R_f: 86 R_g: 111
$R_{f,h1}$: 84 $R_{cs,h1}$: 7%

PNNL Spectral Calculator
Created 9/24/2025
CCT: 4484 K
D_{uv}: 0.0006

Additional Color Metrics

CRI R_a (R_9)	84 (31)
TLCI	84

GigaPix - 5600 K

ANSI/IES TM-30-20   P1 V3 F3

R_f: 85 R_g: 107
$R_{f,h1}$: 90 $R_{cs,h1}$: 2%

PNNL Spectral Calculator
Created 9/24/2025
CCT: 5594 K
D_{uv}: 0.0029
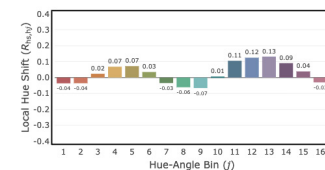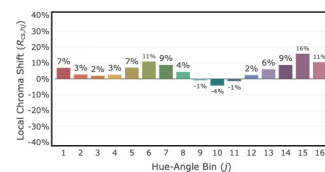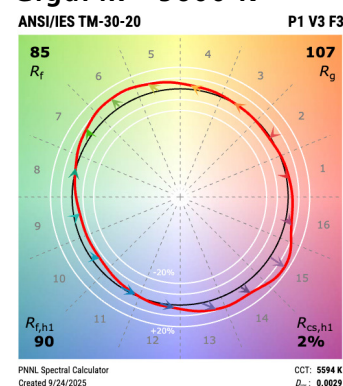
Additional Color Metrics

CRI R_a (R_9)	85 (74)
TLCI	86
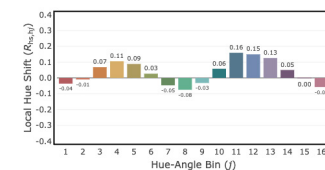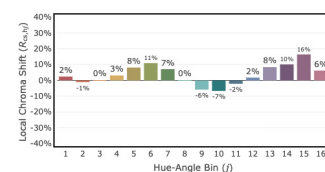
PHYSICAL

Product Dimensions

Model	Height		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
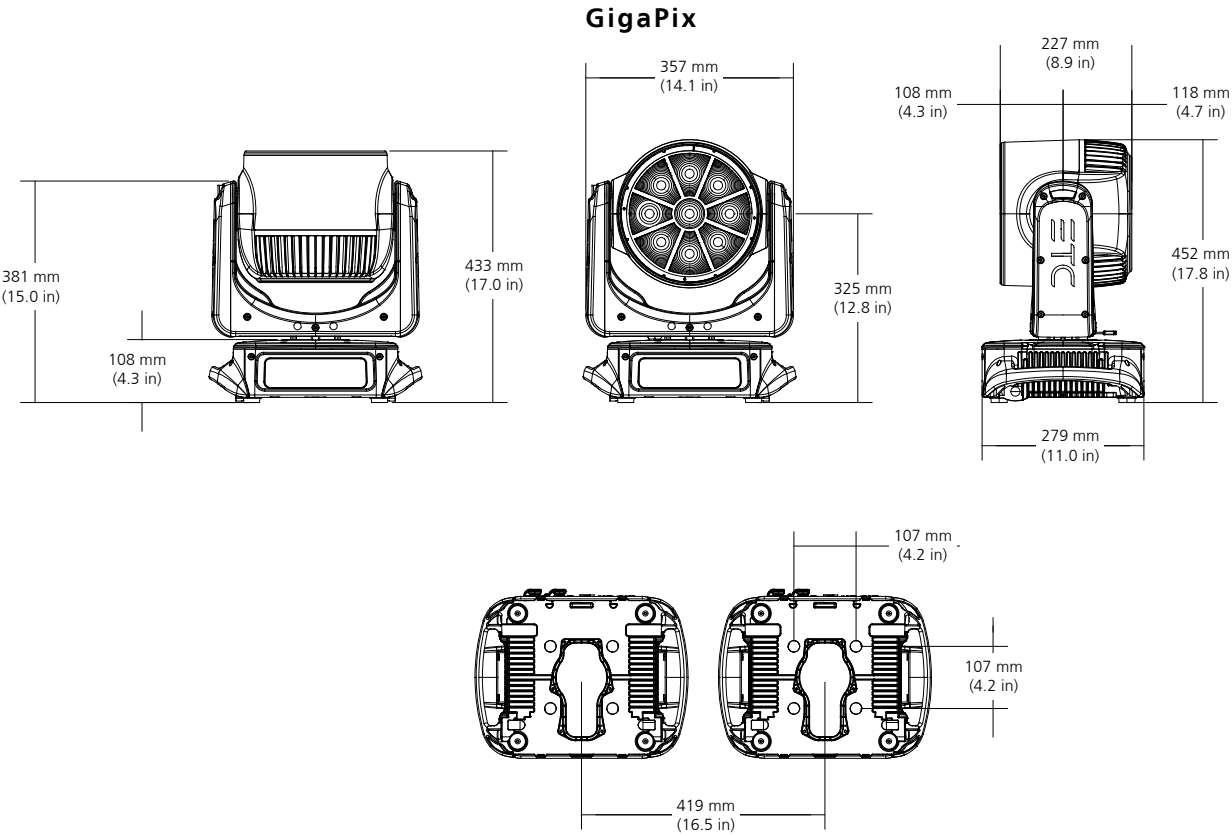
Power Table

VAC	Amps	Hz	Watts	VA	PF
100	7.0	50	702	703	0.99
120	5.7	60	677	677	0.99
200	3.3	50	648	658	0.98
208	3.2	60	654	658	0.98
220	3.0	50	655	661	0.98
230	2.9	50	650	655	0.98
240	2.7	60	640	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

Molded Case Insert Dimensions

470 mm
(18.5 in)

445 mm
(17.5 in)

528 mm
(20.75 in)

375 mm
(14.75 in)
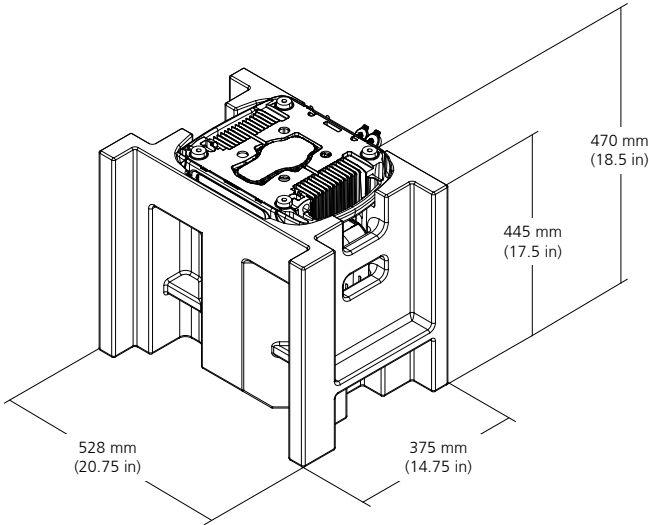
Optional Roadcase Dimensions

1,195 mm
(47.0 in)

595 mm
(23.4 in)

883 mm
(34.8 in)

1018 mm
(40.1 in)
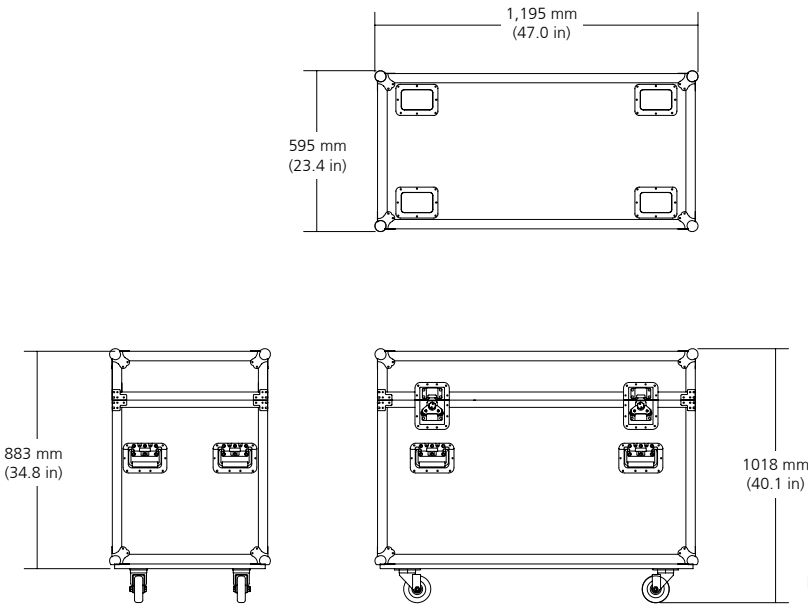
Case Weight:
68 kg (150 lb)
Does not include fixtures or molded inserts

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