# G·7 BeaSt

## DualSource LED moving head

## Description

The G-7 BeaSt is a dual-purpose moving head specialized in aerial beams and high-power blind / strobe effects. Its glass parabolic reflector collimates multiple reflections into one coherent beam of light, while a rounded array of LEDs, inserted in the center of the reflector, delivers a high-power white strobe blinder. Due to its wide lens aperture, projection capabilities, and outstanding direct view effect, the G-7 BeaSt creates an innovative system specially interesting for long-throw applications, high-scale tours, and versatile installations.
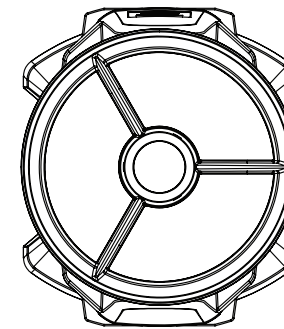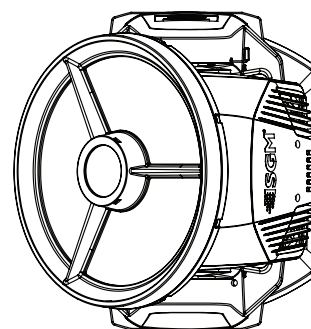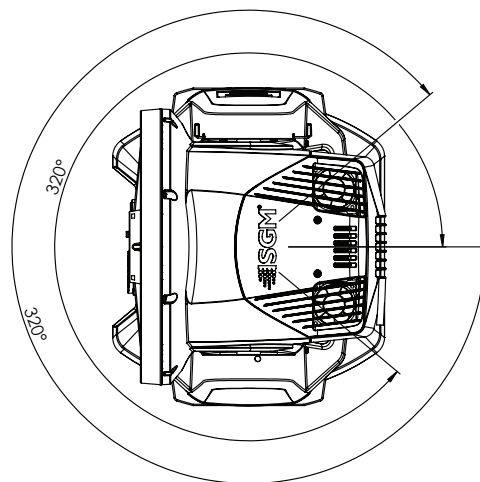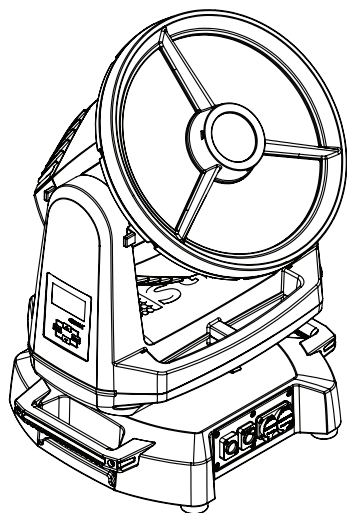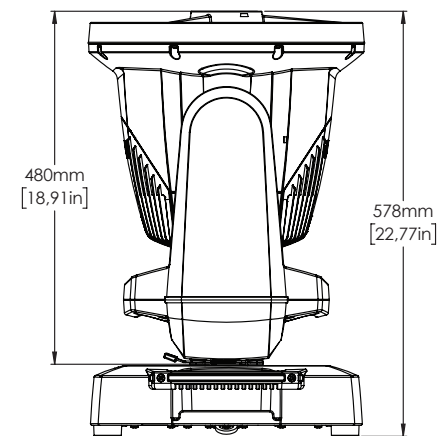
## Features and benefits

- ✓ IP66-rated moving head with a white LED beam and a white LED strobe / blinder

- ✓ 3 rotatable / indexable aerial gobos, 2 rotating split colors, Frost, and 18 colors with split function

- ✓ Compact, lightweight, silent / No internal cleaning needed

- ✓ 50000 lumen and 85,000 lux at 10 meters

- ✓ 2 color wheels, CTO filter, and 6000K color temperature

- ✓ Wireless DMX and RDM controllable

- ✓ Fast pan and tilt movement

- ✓ Superior thermal management for high reliability

## Certifications & classifications

IP66          RoHS          C E          ETL          ECO FRIENDLY

433mm
[17,04in]

R156mm
[6,14in]

⌀70mm
[2,75in]

349mm
[13,75in]

190°

480mm
[18,91in]

578mm
[22,77in]

604mm
[23,77in]

416mm
[16,37in]

249mm
[9,80in]

387mm
[15,25in]

432mm
[17,01in]

323mm
[12,72in]

370mm
[14,56in]

320°

320°
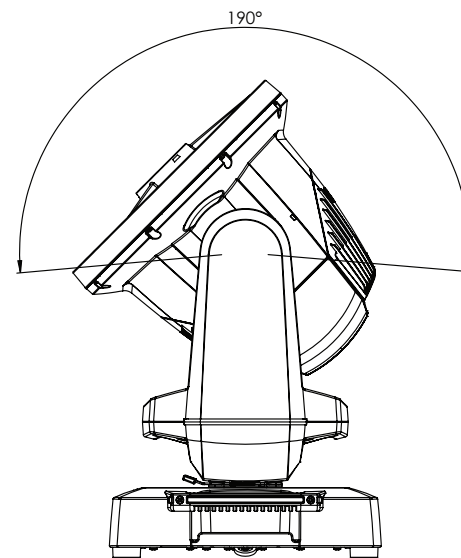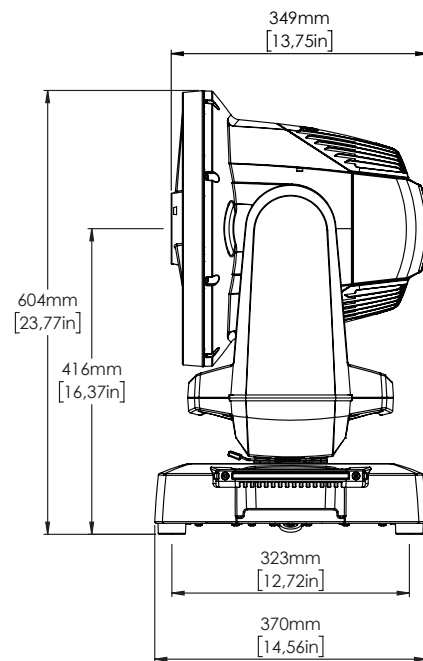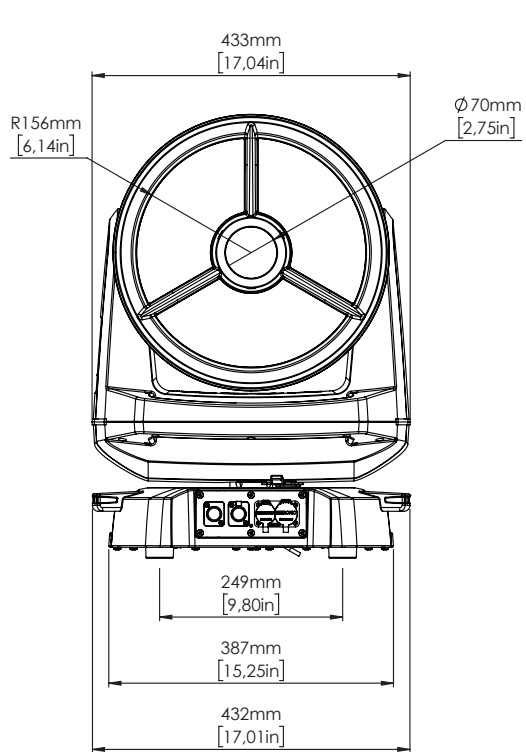
# Specification

**Optical Data**

| | |
|---|---|
| Beam aperture | Motorized |
| Beam aperture maximum | 30 degree |
| Beam aperture minimum | -1 degree |
| LED expected lifetime | 20,000 hours |
| Lens diameter | 320 mm |
| Lightsource | High-power white LED (6,000K)<br>52 x cool white LEDs (8,000K) |
| Native lens options | 110°<br>-1° to 30° (Beam aperture) |

**Photometric**

| | |
|---|---|
| Efficacy | 102 lm/W |
| Light output all LEDs on | 50000 lm |
| Lumen per kilogram | 1667 lm / Kg |
| Lux @ 10m | 85000 lux |

**Physical**

| | |
|---|---|
| Color options | Black - RAL 9004<br>Custom color - Any RAL<br>White - RAL 9010 |
| IK rating | IK07 |
| IP class | IP66 |
| Lens material | Glass parabolic reflector |
| Material | Aluminium<br>PC/ASA<br>Rubber<br>Steel |
| Net dimensions | 370 x 604 x 432 mm |
| Net dimensions inches | 14.6 x 23.8 x 17 inches |
| Net weight | 30 kg (66.2 lbs) |

**Features**

| | |
|---|---|
| Addressable pixels | 3 (Beam) + 4 (Strobe Blinder) |
| Color calibration | White calibration with SGM Color Match selection |
| Color wheel | Wheel 1: 9 colors + open<br>Wheel 2: 9 colors + open (including CTO) |
| Dehumidifier | Head |
| Dimming | Smooth fade in, gamma corrected curve |
| Gobo wheel (1) | 5 rotatable, indexable, and interchangeable gobos + open |
| LED panel | 4 individually controllable segments (strobe blinder)<br>3 individually controllable segments |

| | | (beam) |
|---|---|---|
| | Other | CTO filter<br>Independent control of Beam and Strobe Blinder |
| | Pan | 620° |
| | Physical head straight up height | 578 mm |
| | Strobe | Ultra-high-speed strobe effects<br>3" Rounded Strobe Blinder<br>Dualsource Strobe Blinder<br>Intensity, Duration, Rate and FX control channels per lightsource (2)<br>Pixel strobe feature (up to 7 segments) |
| | Tilt | 185° |
| | Tilt locking system | Yes |
| | View angle | 110° |
| **Electrical** | Electrical protection | Overload protection with automatic recover |
| | Input voltage, absolute max. rating | 100 - 264 VAC; 50 / 60 Hz |
| | Input voltage, nominal | 100 - 240 VAC; 50 / 60 Hz |
| | Max inrush current 230VAC | 70 A |
| | Max power consumption | 650 W |
| | Max power thru @ 100 V | 9 A |
| | Max power thru @ 230 V | 13 A |
| | Power factor | 0.96 PF (230 V) |
| | Power Supply Unit | Inbuilt IP 67 Auto-ranging electronic switch-mode |
| | Standby power consumption | 40 W |
| **Programming and Control** | 16-bit control | Dimmer, pan/tilt, gobo rotation/index, collimation, pixel |
| | Cabled DMX | 5 pin XLR input/output |
| | DMX channels | 18, 22, 29 or 35 |
| | DMX modes | 4 |
| | Protocol | CRMX, W-DMX™ G2, W-DMX™ G3, W-DMX™ G4, W-DMX™ G4S<br>USITT DMX512A<br>RDM ANSI E1.20 |
| | Setting and addressing | OLED graphical display / 4 buttons<br>RDM ANSI E1.20<br>Standalone mode |
| | Wireless DMX | Lumen Radio with RDM |
| **Connections** | DMX data in/out | IP67 XLR 5-pin connector, Female<br>IP67 XLR 5-pin connector, Male |
| | Power | Power input connector & link-thru |

| | | |
|---|---|---|
| **Installation** | Mounting point | 4 x 2 quarter-turn locking points |
| | Orientation | Any |
| | Rigging possibilities | Hanging (Omega Brackets included) |
| | Safety features | Bottom mount for safety wire<br>Minimum distance to combustible materials: 0.3 meter (11 in). |
| | | |
| **Thermal** | Cooling | Active, Forced Air, Temperature-regulated |
| | Humidity (max.) | 98 % |
| | Temperature range, operating | -40°C to 50°C |
| | Temperature range, start-up | -20°C to 50°C |
| | Temperature range, storage | -40°C to 80°C |
| | Thermal protection | Automatic overtemperature protection |
| | Total heat dissipation, max power | 2217.8 BTU per hour |
| | Total heat dissipation, standby | 136.5 BTU per hour |
| | | |
| **Included items** | Included items | 1 Omega bracket with quarter-turn fasteners<br>Safety instructions and installation quick guide |
| | | |
| **Gobos** | Glass | Borosilicate high-temperature glass |
| | Image diameter | 23 mm |
| | Maximum thickness glass | 1.1 mm |
| | Outside diameter | 28 mm |
| | | |
| **Conforms To** | CE - 2014/30/EU: EMC Directive | EN 55103-2<br>EN 55015<br>EN 61547<br>EN 61000-3-2<br>EN 61000-3-3<br>EN 55032 |
| | CE - 2014/35/EU: Low Voltage Directive | EN 60598-1<br>EN 60598-2-17<br>EN 62471<br>EN 60529 |
| | RoHS2 Directive | 2011/65/EU |
| | UL | UL Std. 1573 |
| | | |
| **Certified To** | CSA | CSA Std. C22.2 No. 166 |

**NOTES:**

Due to continuous improvements and innovations, specifications may change without notice.

LEDs' expected lifetime provided by manufacturer and obtained under manufacturer's test conditions.

Zoom range defined as a minimum beam angle to a maximum field angle.

Photometric measurements obtained with Goniometer Scan / SGM Illumination Lab 1.6.0.0.

Lumen output in pixel products is calculated.

# Ordering information

| Qty | Product name | Item number |
|---|---|---|
| ☐ | G-7 BeaSt, Std, BL | 80103000 |
| ☐ | G-7 BeaSt, Std, CU | 80103002 |
| ☐ | G-7 BeaSt, Std, WH | 80103001 |
| ☐ | | |

| Qty | Accessories | Item number |
|---|---|---|
| ☐ | Omega Bracket with 1/4-turn fasteners | 83060602 |
| ☐ | Power cable with IP connector | 07860275 |
| ☐ | SGM USB uploader cable | 83062011 |
| ☐ | Vacuum Test Kit | 83061136 |
| ☐ | A·4 | 80070217 |
| ☐ | RDM Addressing Tool | |
| ☐ | Flight Case for 2 pcs G-7 Series | 82051020 |
| ☐ | | |

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