

Date:

Comments:

Project:



Gantom 7



Gantom 7 Beam Control Accessories



Gantom 7 with Hex Louver

Product Model

GC277B - Gantom 7 - RJ45 Connector

GP277B - Gantom 7 - Pro Cable Connector

Features

- Full spectrum output with 7 LED colors.
- Precision-tuned non-linear dimming curve and color balance algorithm
- Standalone mode allows set-and-forget operation without DMX signal
- DMX address and configuration stored in memory
- Low voltage and minimal heat for improved safety over incandescent sources
- Internal constant-current driver gives highly efficient and consistent output
- Class2, low-voltage 12-24V DC input
- IP rated for indoor and outdoor use.

Description

The Gantom 7 packs seven-color output into a tiny package. With a native 15-degree beam angle, this LED spotlight produces a punchy yet soft beam with homogeneous color mixing even at a close distance. Native DMX control and a balanced, non-linear dimming curve satisfy the most demanding theming tasks. This compact spotlight features lime, amber, and ultraviolet beyond the common RGBW to achieve colors unavailable in standard LED fixtures.

Applications

- Themed entertainment
- Theater and stage accent lighting
- Retail Spaces
- Architectural accent lighting
- Props and animatronics
- Special effect lighting

Optional Components

| | |
|---------|---|
| FA44 | 60mm aluminum snoot for indoor & outdoor applications |
| FA45 | 60mm aluminum half hat for indoor & outdoor applications |
| FA46 | 60mm aluminum angled cowling for indoor and outdoor applications |
| FA47 | 60mm ingress protection kit for outdoor applications |
| FA48/CF | 60mm accessory pack (snoot, half hat, angled cowling, and hex Louver) for indoor applications |
| PM70 | Ping swivel mount for 60mm fixtures |
| PM80 | Recessed Canopy Mount |
| RP16 | Gantom 7 & Gantom One Up yoke, washer, and thumbscrew replacement kit |
| RP34 | Diffusion lens kit for Gantom 60mm fixtures |
| TL300 | Pro Cable track adapter for Stucchi EVO Track |
| TL301 | RJ45 track adapter for Stucchi EVO Track |

Technical Specifications

Physical

| | |
|-----------|-----------------------------------|
| Material | Black Anodized Aluminum |
| IP rating | IP65 / IP67 - With FA47 Installed |
| Weight | 315 grams (11.1 oz) |

Electrical

| | |
|-------------|------------------|
| Voltage | 12-24V DC |
| Max wattage | 7.5W |
| Dimming | DMX |
| Connector | Gantom Pro Cable |

Thermal

| | |
|-------------------------------|---------------------|
| Ambient operating temperature | 0-50° C (32-122° F) |
| Cooling method | Passive |

Warranty

| | |
|---------|---------|
| Fixture | 2 Years |
|---------|---------|

Certifications

| | |
|--------------|----------|
| USA / Canada | UL |
| Europe | CE, RoHS |

DMX

| | |
|-------------------|--------------------|
| Channel footprint | 8 |
| Addressing | DarkBox Programmer |
| Lowest dimming | 0.05% |

DMX Mapping

| | |
|-------|----------------------------|
| CH. 1 | Master Intensity (0%-100%) |
| CH. 2 | Red Intensity (0%-100%) |
| CH. 3 | Green Intensity (0%-100%) |
| CH. 4 | Blue Intensity (0%-100%) |
| CH. 5 | Amber Intensity (0%-100%) |
| CH. 6 | White Intensity (0%-100%) |
| CH. 7 | Lime Intensity (0%-100%) |
| CH. 8 | UV Intensity (0%-100%) |

LED color

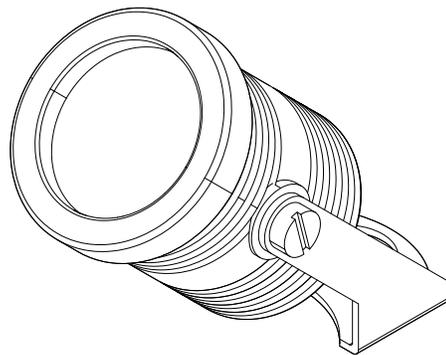
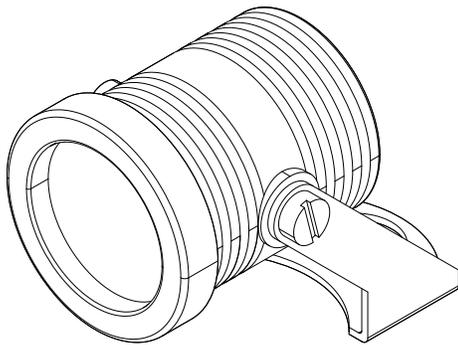
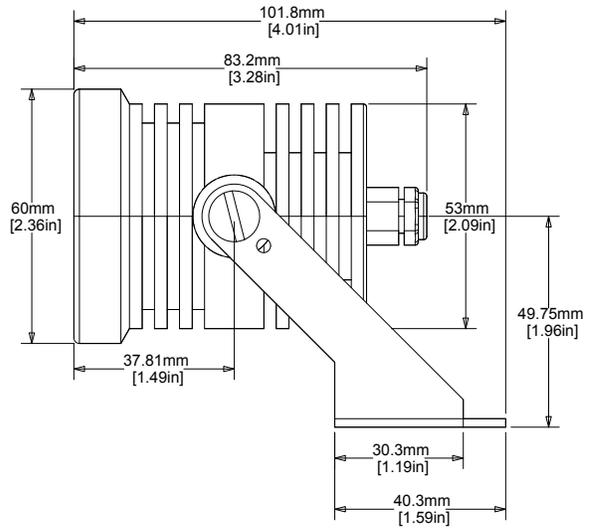
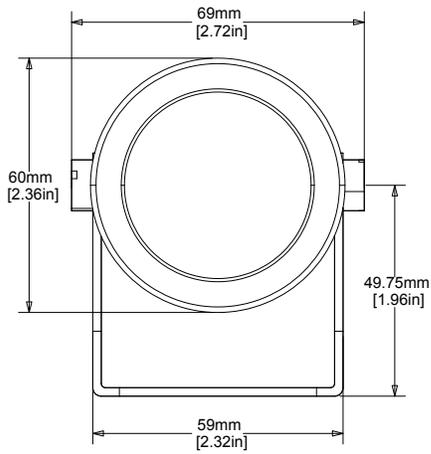
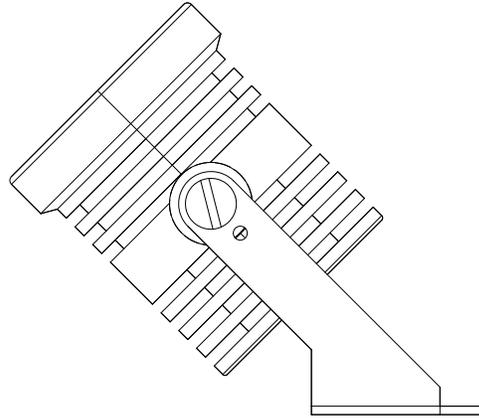
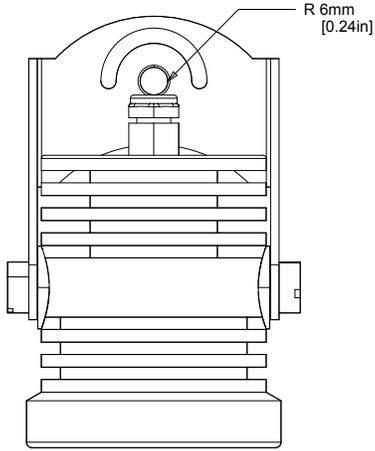
| | |
|------|--|
| RGBW | Red (635nm), Green (515nm), Blue (450nm), Amber (598nm), White (6500k), Lime (550nm), UV (395nm) |
|------|--|

Source

| | |
|-----------|------------------------------|
| LED model | Proprietary 7 color LED chip |
|-----------|------------------------------|

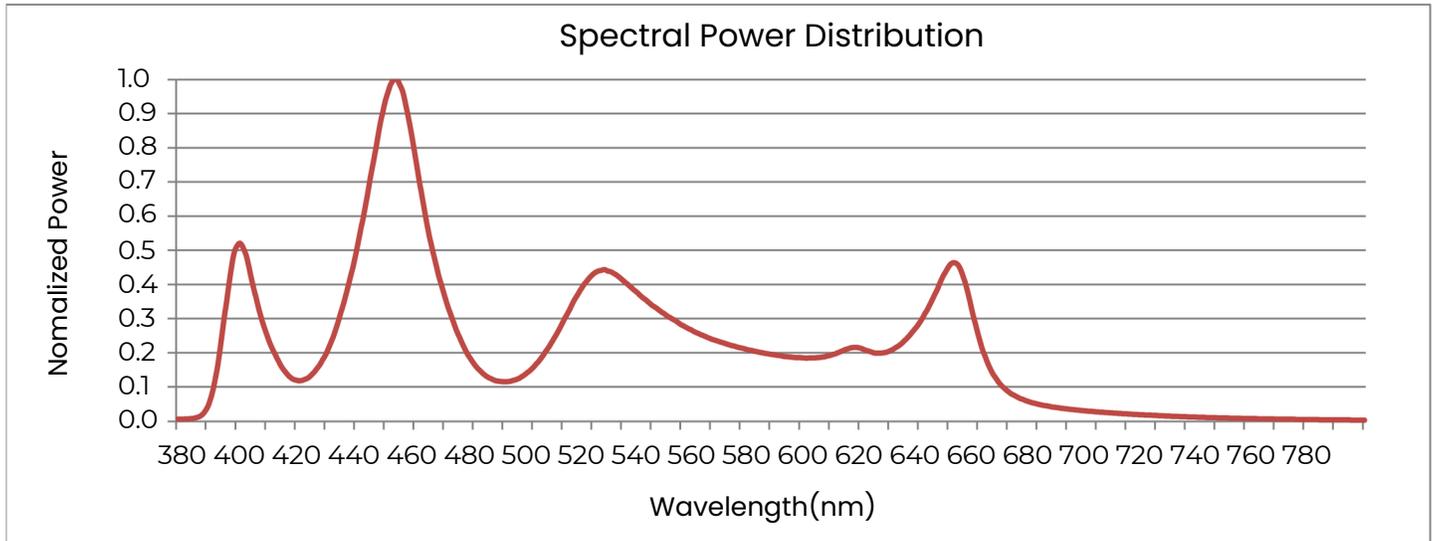
Photometrics at Full Power

| | Beam / Field Angle | 1m Illuminance (3.3ft) | 2m Illuminance (6.6ft) | 3m Illuminance (9.8ft) |
|--------------------------------|--------------------|------------------------|------------------------|------------------------|
| RGBWAL(UV) All LEDs On | 15° / 35° | 650 lx (60.4 fc) | 220 lx (20.4 fc) | 100 lx (9.3 fc) |
| Distance to Projection Surface | 1m (3.3 ft) | 2m (6.6 ft) | 3m (9.8 ft) | |
| Beam Diameter | 0.3m (0.9 ft) | 0.6m (1.8 ft) | 0.8m (2.7 ft) | |



Lab Test Results

Colorimetry test results provided by Light Lab

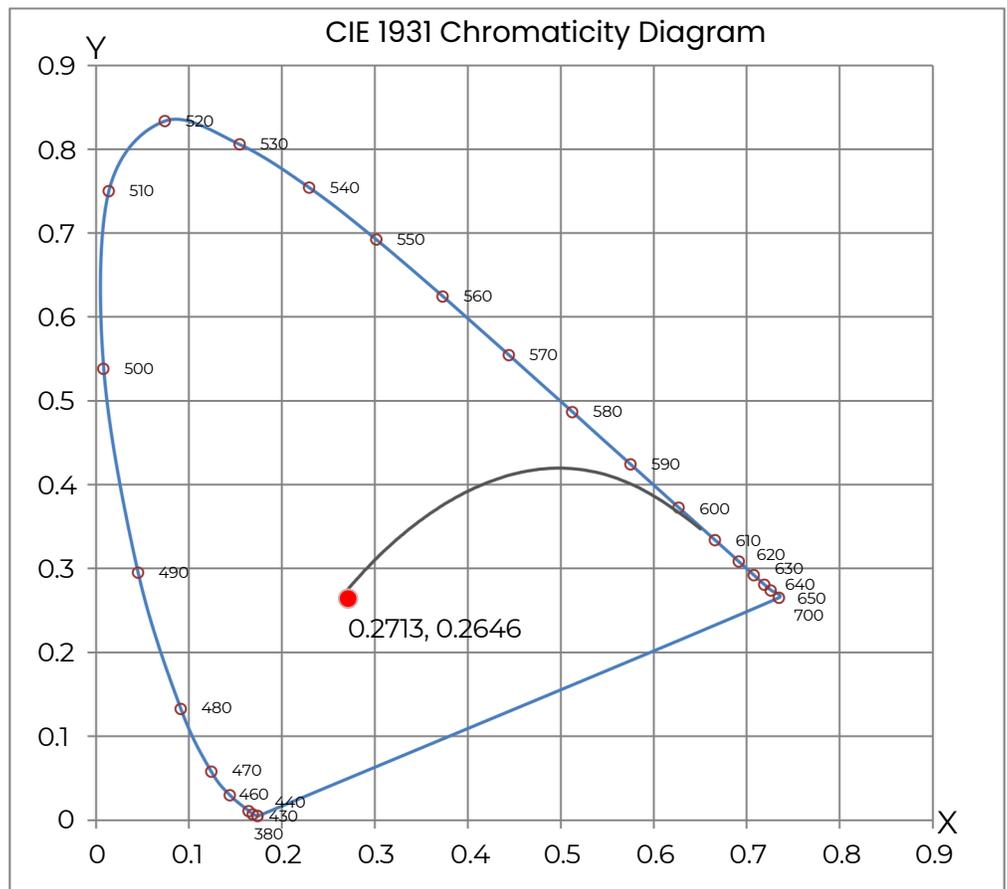


CRI & CCT

| | |
|-----|----------|
| x | 0.2713 |
| y | 0.2646 |
| u' | 0.1927 |
| v' | 0.4228 |
| CRI | 82.80 |
| CCT | 13780 |
| Duv | -0.00667 |

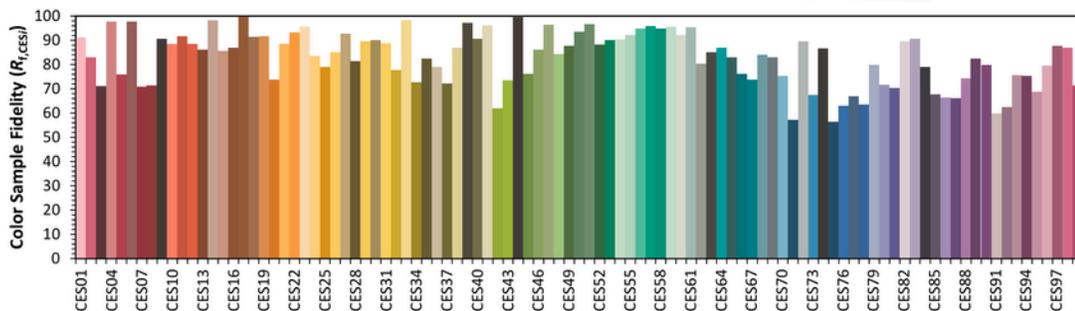
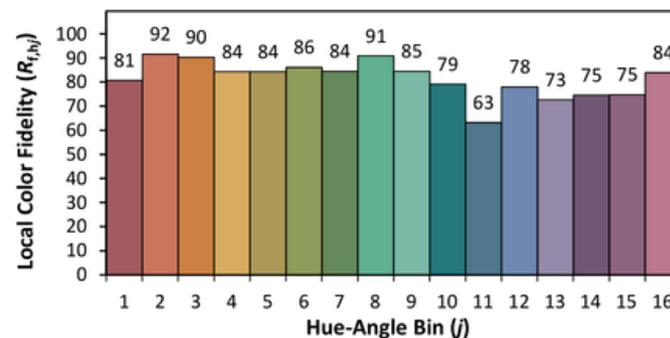
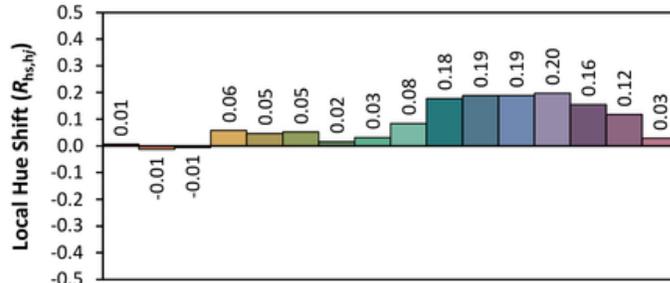
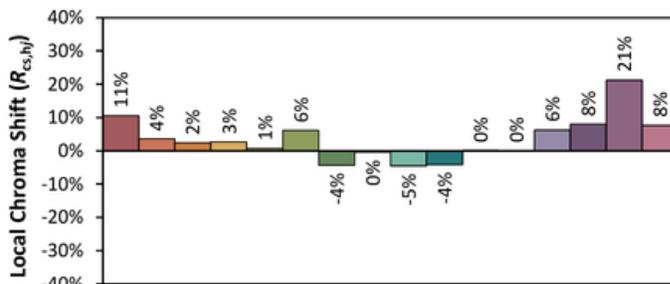
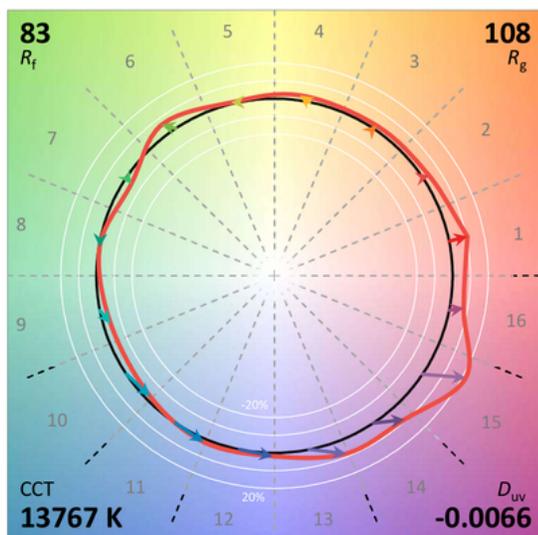
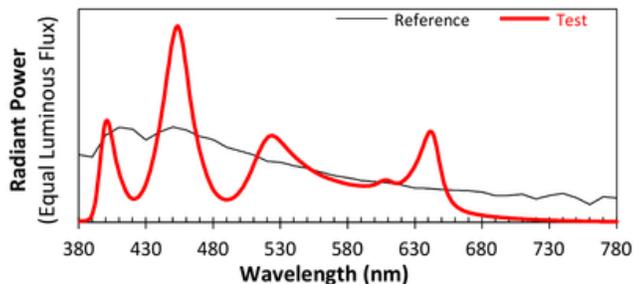
R Values

| | |
|-----|-------|
| R1 | 84.84 |
| R2 | 93.61 |
| R3 | 69.47 |
| R4 | 79.52 |
| R5 | 92.07 |
| R6 | 88.73 |
| R7 | 85.56 |
| R8 | 68.86 |
| R9 | 9.17 |
| R10 | 80.27 |
| R11 | 74.06 |
| R12 | 61.55 |
| R13 | 89.27 |
| R14 | 81.07 |
| R15 | 75.04 |



ANSI/IES TM-30-18 Color Rendition Report

TM-30-18 test results provided by Light Lab



x 0.2713
y 0.2646
u' 0.1926
v' 0.4228

CIE 13.3-1995
(CRI)
Ra 83
Rg 9