

Date:

Comments:

Project:



Gantom DMX V2



Gantom DMX V2 Beam Control Accessories



Gantom DMX V2 with Hex Filter

Product Model

GC291 - Gantom DMX V2 Dynamic White - RJ45 Connection

GC292 - Gantom DMX V2 RGBW - RJ45 Connection

GP291 - Gantom DMX V2 Dynamic White - Pro Cable Connection

GP292 - Gantom DMX V2 RGBW - Pro Cable Connection

Features

- Homogenous narrow beam optics
- Available in RGBW or dynamic white options
- TM-30 P1/F2 rating on dynamic white fixture
- Non-linear dimming curve for smooth fading
- Dims to 0.05%
- Constant intensity algorithm for any color
- Minimized on-camera flicker
- Integrated DMX receiver
- Integrated quad channel constant current driver

Description

Our most popular 4W color controllable LED spotlight has been re-engineered to be the most versatile and high-fidelity color rendering source of its kind on the market. The Gantom DMX V2 features an accessory retainer ring that allows for easy beam shaping attachments such as diffusion lens, snoots, half hats and hex louvers.

Applications

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

Optional Components

Accessories

FA38	Gantom DMX V2 & Juni Accessory Pack (Snoot, Angled Cowling, Hex Louver) - Outdoor Applications
FA38/CF	Gantom DMX V2 & Juni Accessory Pack (Snoot, Half Hat, Angled Cowling, Hex Louver) - Indoor Applications
PM67	Ping Swivel Mount w/ Collar for 30mm and 40mm fixtures
PM80	Recessed Canopy Mount
TL300	Pro Cable Track Adapter for Stucchi EVO Track
TL301	RJ45 Track Adapter for Stucchi EVO Track
RP14	Replacement Gantom DMX V2 Yoke and Screw Kit
RP33	Diffuser Pack for Gantom DMX V2 and R4 fixtures

Fixture does not include power supply, extension cables, or any other system component.

Distributor:



Phone: 407-857-8770

Fax: 407-857-8771

Email: sales@techni-lux.comwww.techni-lux.com

Distributor:



Phone: 407-857-8770

Fax: 407-857-8771

Email: sales@techni-lux.com

www.techni-lux.com

Technical Specifications

Physical

Material	Black Anodized Aluminum
IP rating	IP67
Weight	138 grams (4.9 oz)

Electrical

Voltage	12-24V DC
Max wattage	0.356a ~ 0.195a @ 4.8W max
Dimming	DMX
Connector	GC291 / GC292 - RJ45 GP291 / GP292 - Pro Cable

Thermal

Ambient operating temperature	0-50° C
Cooling method	Passive

Warranty

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

Certifications

USA / Canada	UL
Europe	CE, RoHS

DMX

Channel footprint	DW: 2 RGBW: 4
Lowest dimming	0.05%

DMX Mapping

DW: CH. 1	CW Intensity (0%-100%)
DW: CH. 2	WW Intensity (0%-100%)
RGBW: CH. 1	Red Intensity (0%-100%)
RGBW: CH. 2	Green Intensity (0%-100%)
RGBW: CH. 3	Blue Intensity (0%-100%)
RGBW: CH. 4	White Intensity (0%-100%)

LED color

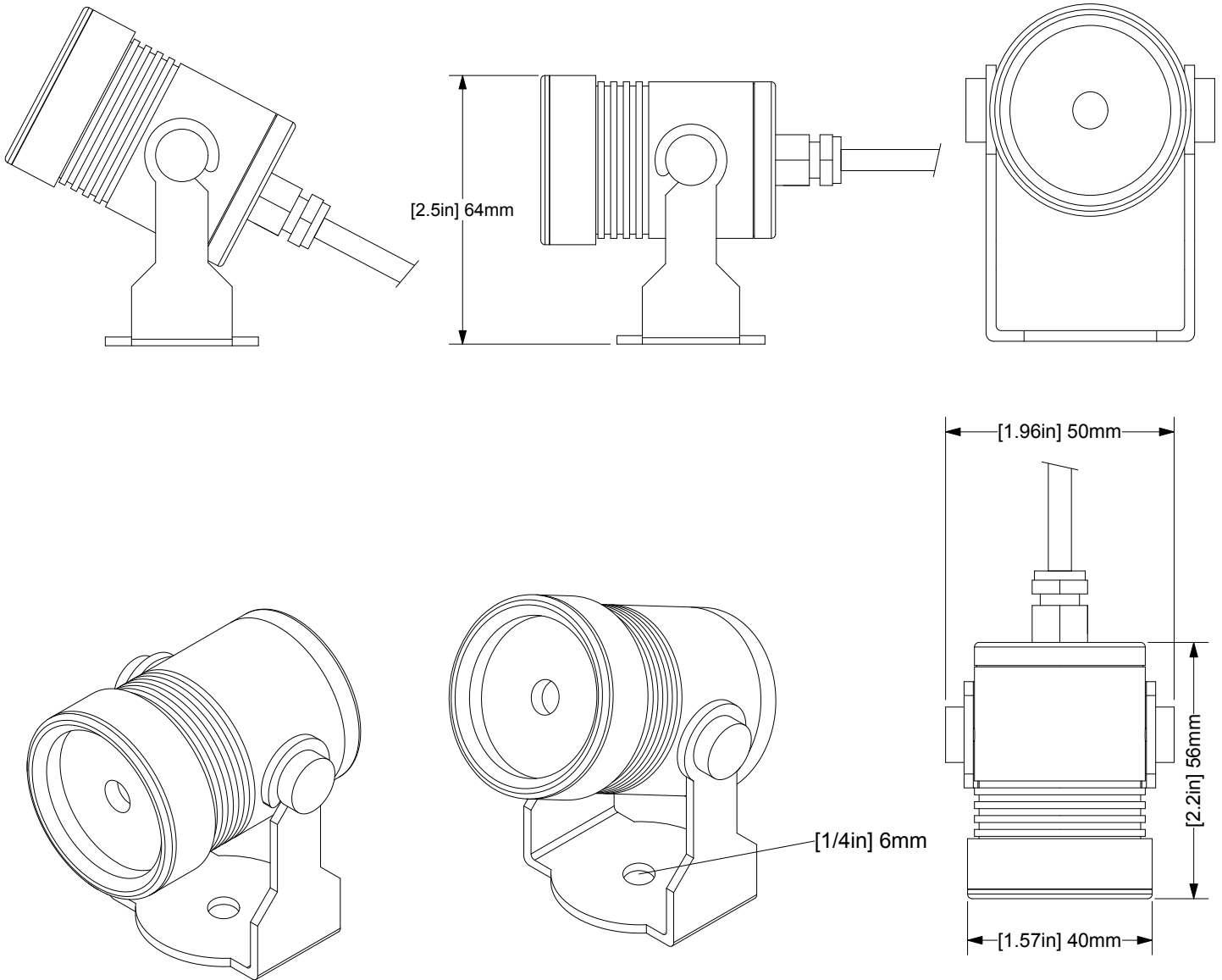
RGBW	Red 625nm, Green 530nm, Blue 460nm, White 6500K
DYNAMIC WHITE	2650K (95 CRI) / 6200K (93 CRI)

Photometrics at Full Power

	Beam / Field Angle	1m Illuminance (3.3ft)	2m Illuminance (6.6ft)	3m Illuminance (9.8ft)
DW Beam / Field Angle Bare optics	23° / 44°	1400 lx (130 fc)	360 lx (33 fc)	160 lx (15 fc)
DW Beam / Field Angle Narrow diffuser - 1 Notch - (C-HE10)	24° / 46°	900 lx (84 fc)	263 lx (24 fc)	115 lx (11 fc)
DW Beam / Field Angle Medium diffuser - 2 Notch - (C-HE30)	34° / 63°	460 lx (43 fc)	125 lx (12 fc)	55 lx (5 fc)
DW Beam / Field Angle Wide diffuser - 3 Notch - (C-HE80)	55° / 99°	114 lx (11 fc)	35 lx (3 fc)	16 lx (1 fc)
DW Beam / Field Angle Asymmetric diffuser - U Notch	30° / 50° short axis 46° / 77° long axis	315 lx (29 fc)	83 lx (8 fc)	36 lx (3 fc)
RGBW Beam / Field Angle Bare optics	16° / 32°	940 lx (87 fc)	260 lx (24 fc)	112 lx (10 fc)
RGBW Beam / Field Angle Narrow diffuser - 1 Notch - (C-HE10)	18° / 36°	771 lx (72 fc)	218 lx (20 fc)	98 lx (9 fc)
RGBW Beam / Field Angle Medium diffuser - 2 Notch - (C-HE30)	30° / 58°	330 lx (31 fc)	99 lx (9 fc)	44 lx (4 fc)
RGBW Beam / Field Angle Wide diffuser - 3 Notch - (C-HE80)	55° / 98°	100 lx (9 fc)	28 lx (3 fc)	13 lx (1 fc)
RGBW Beam / Field Angle Asymmetric diffuser - U Notch	16° / 46° short axis 39° / 67° long axis	230 lx (21 fc)	66 lx (6 fc)	30 lx (3 fc)

Gantom DMX V2

DMX Controlled Spotlight



Gantom takes light source color rendition very seriously and strives to be a leading manufacturer of LED lighting fixtures that presents the subject in the best light, literally. Using the TM-30-20 documentation and tools provided by the Illuminating Engineering Society (IES), we have generated the following report to help with your specification needs as it pertains to the Gantom DMX V2 Dynamic White and Gantom R4 Dynamic White fixtures. These fixtures feature a warm white chip at 2650K and a cool white chip at 6200K. Both chips exhibit high preference and fidelity priority levels per Table E-2 of the ANSI/IES TM-30-20 standard.

TM-30-20

Specification Criteria for

Gantom DMX V2 Dynamic White & Gantom R4 Dynamic White

CCT	Preference Fidelity Priority	R _f	R _g	R _{cs,hl}	R _{f,hl}	R _a (CRI)
2650K	P2/F2	91	97	-2%	93	95
4200K	P1/F2	91	100	+1%	93	92
6200K	P1/F2	90	99	+1%	92	93

Table E-2. Recommended Specification Criteria.

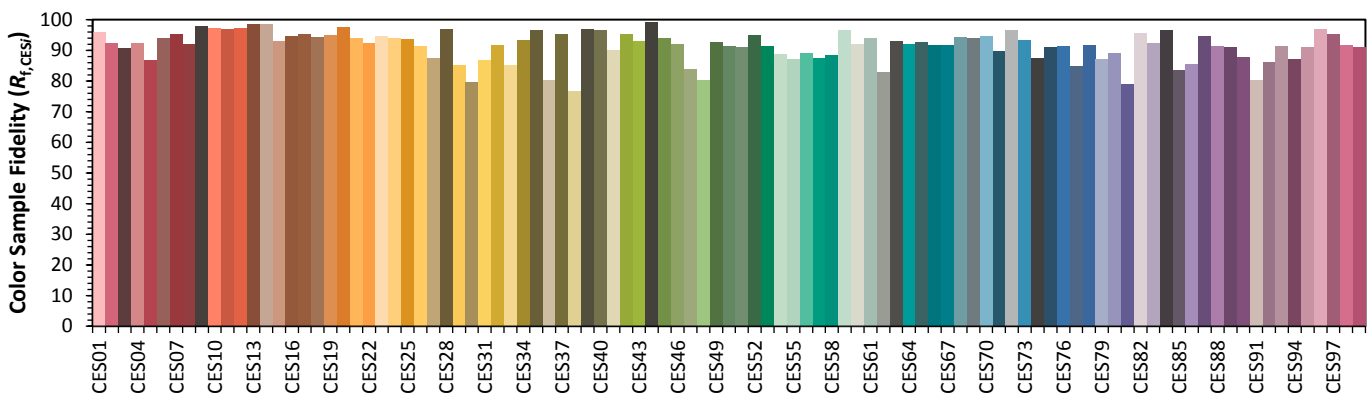
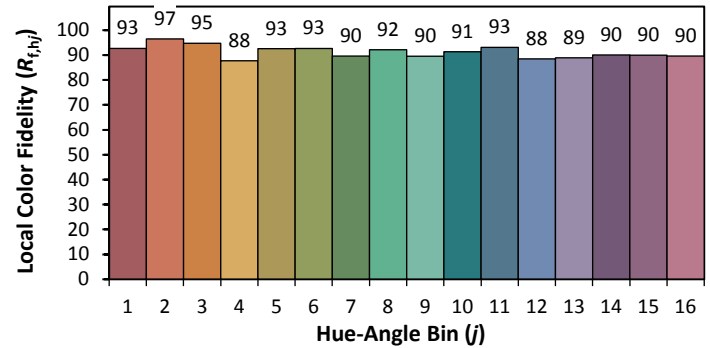
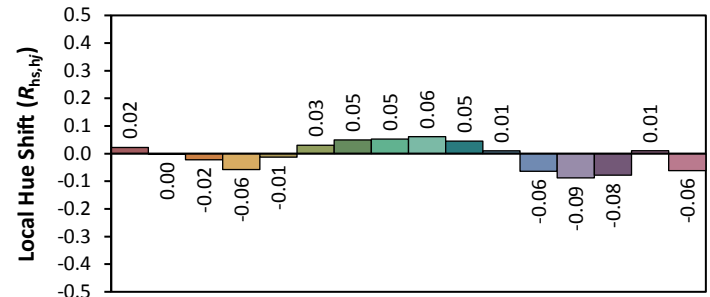
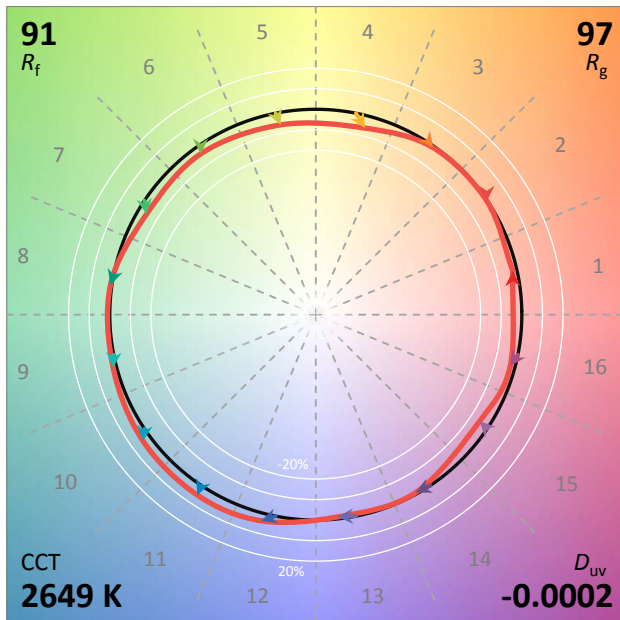
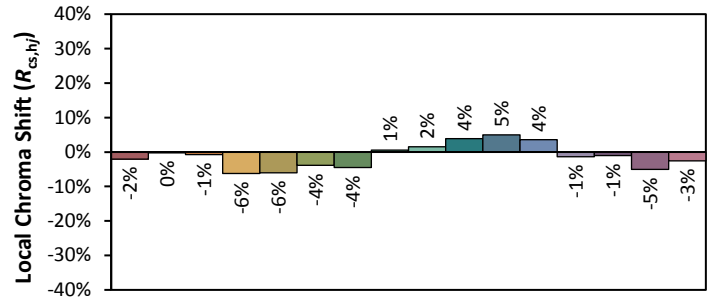
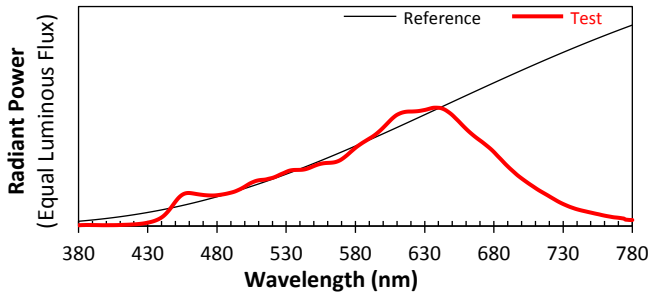
		Design Intent (The desired effect of color rendition on the illuminated environment)		
Priority Level (The balance between allowing for tradeoffs and increasing the likelihood of meeting the design intent)		Preference (P)	Vividness (V)	Fidelity (F)
		P1 $R_f \geq 78$ $R_g \geq 95$ $-1\% \leq R_{cs,hl} \leq 15\%$	V1 $R_g \geq 118$ $R_{cs,hl} \geq 15\%$	F1 $R_f \geq 95$
		P2 $R_f \geq 75$ $R_g \geq 92$ $-7\% \leq R_{cs,hl} \leq 19\%$	V2 $R_g \geq 110$ $R_{cs,hl} \geq 6\%$	F2 $R_f \geq 90$ $R_{f,hl} \geq 90$
		P3 $R_f \geq 70$ $R_g \geq 89$ $-12\% \leq R_{cs,hl} \leq 23\%$	V3 $R_g \geq 100$ $R_{cs,hl} \geq 0\%$	F3 $R_f \geq 85$ $R_{f,hl} \geq 85$

Table note: All criteria assume a polychromatic environment with average horizontal illuminance between 200 and 700 lux and uniform chromaticity.

ANSI/IES TM-30-18 Color Rendition Report

Source: Dynamic White LED - 100% WW 0% CW

Model: Gantom DMX V2



x 0.4637
 y 0.4108
 u' 0.2649
 v' 0.5280

CIE 13.3-1995
(CRI)

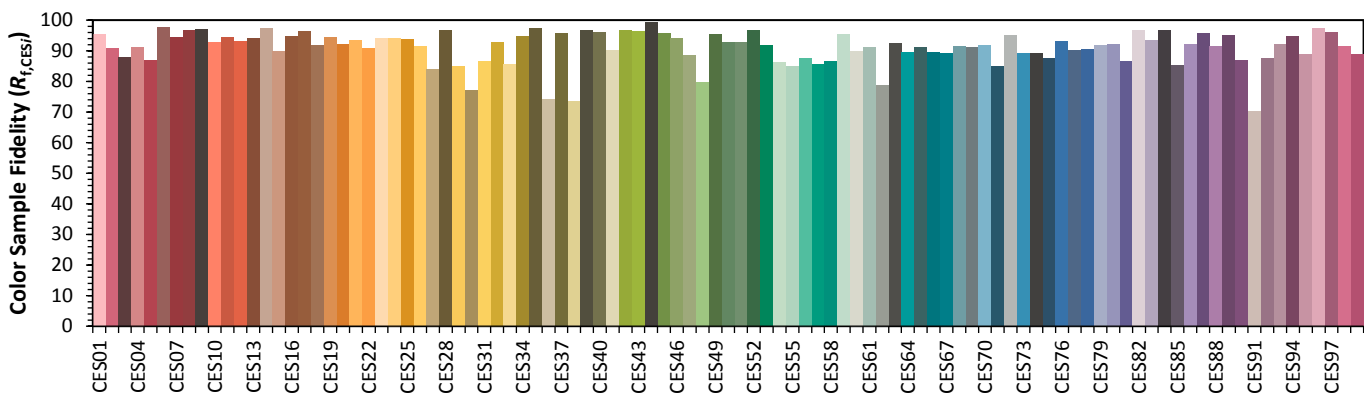
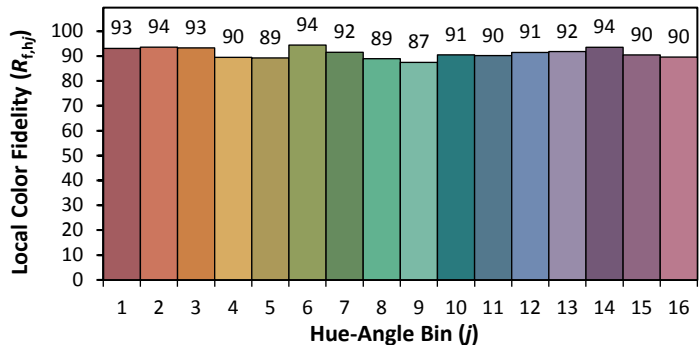
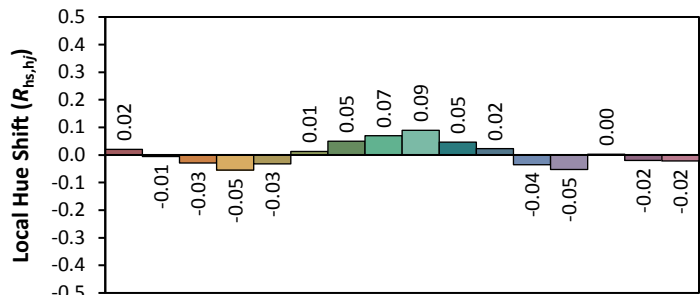
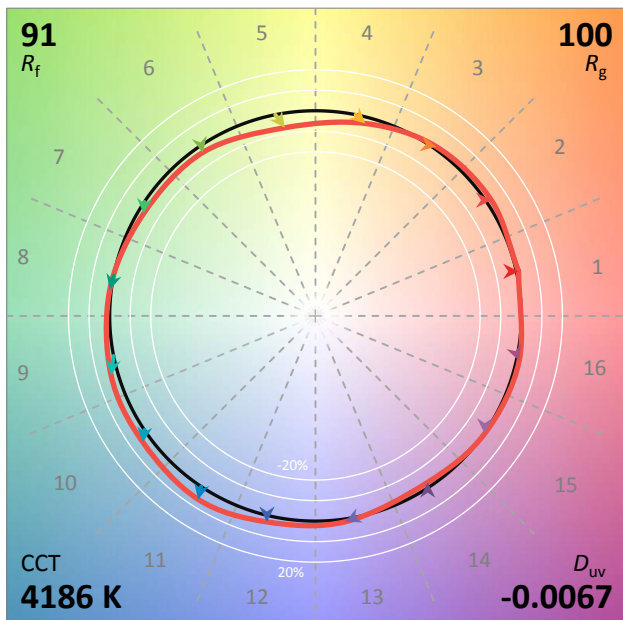
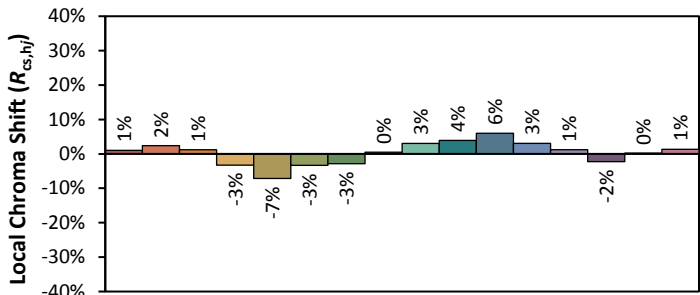
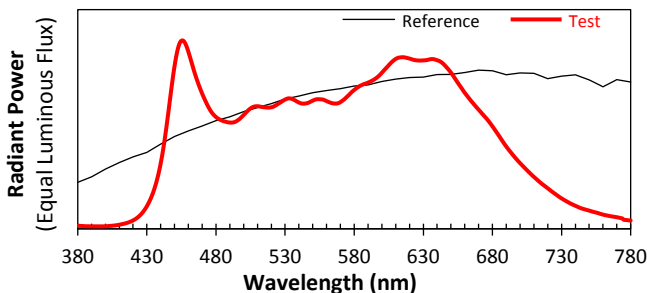
R_a 95
 R_9 83

Colors are for visual orientation purposes only.
Created with the ANSI/IES TM-30-18 Calculator Version 2.00.

ANSI/IES TM-30-18 Color Rendition Report

Source: Dynamic White LED - 50% WW 50% CW

Model: Gantom DMX V2



x 0.3688
 y 0.3555
 u' 0.2260
 v' 0.4901

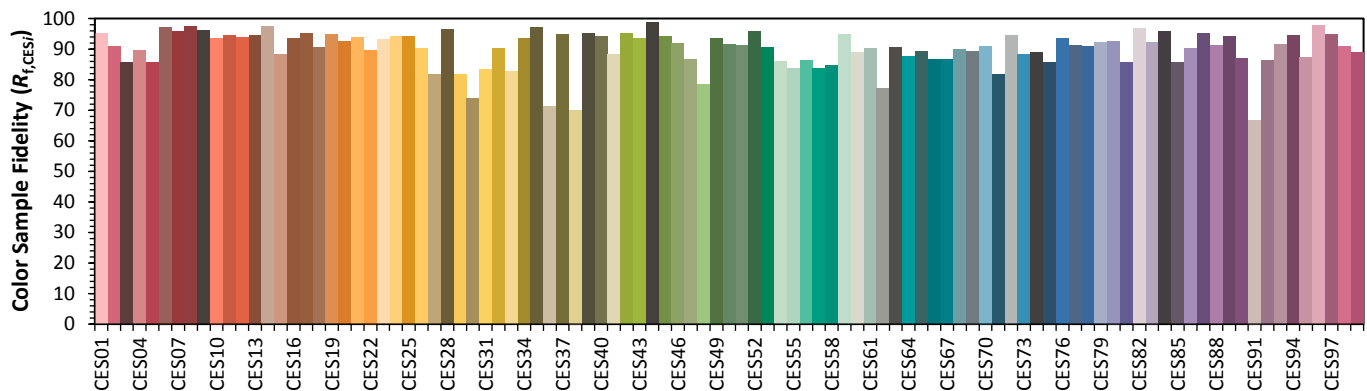
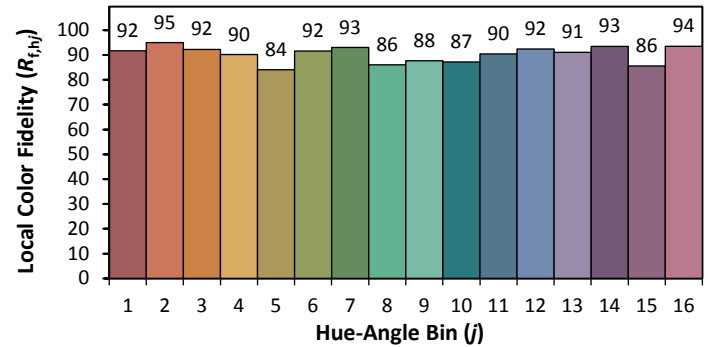
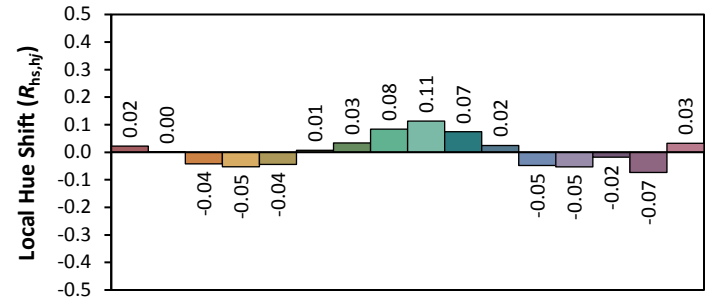
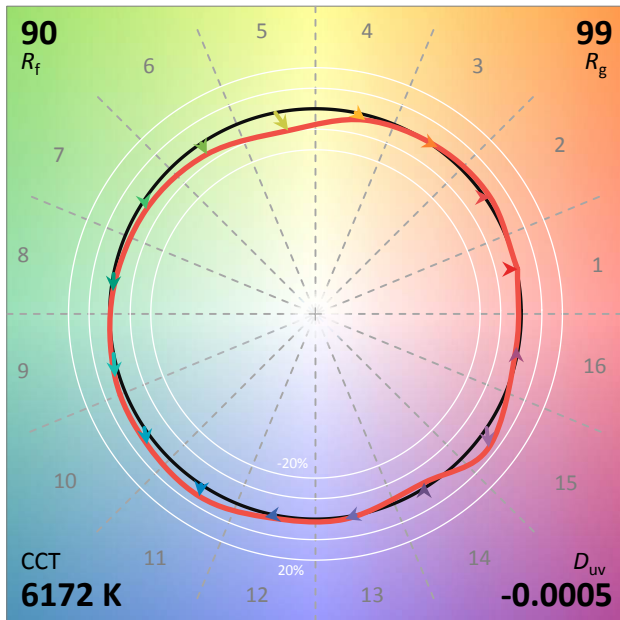
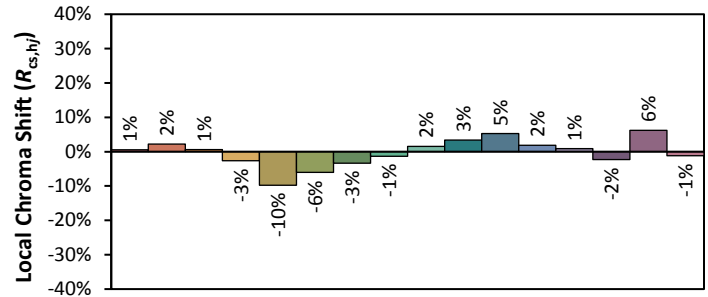
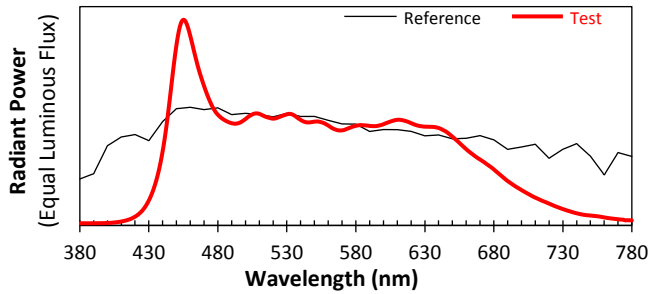
CIE 13.3-1995
(CRI)
 R_a 92
 R_g 84

Colors are for visual orientation purposes only.
Created with the ANSI/IES TM-30-18 Calculator Version 2.00.

ANSI/IES TM-30-18 Color Rendition Report

Source: Dynamic White LED - 0% WW 100% CW

Model: Gantom DMX V2



x 0.3191
y 0.3279
u' 0.2027
v' 0.4687

CIE 13.3-1995
(CRI)

R_a 93
 R_g 87

Colors are for visual orientation purposes only.
Created with the ANSI/IES TM-30-18 Calculator Version 2.00.