

# MORGANE - 1489C VW

LED COMPACT - LED 825W - VARIABLE WHITE

Followspot



- **Type:** Followspot
- **Source:** LED 825W - Variable White
- **Optics:** 13° to 24° zoom
- **Colour temperature:** 3000K --> 6300K
- **Standard:** 110 V North american

## Compact, powerful and versatile

With its 825W LED source, Morgane provides high output with a 13°-24° zoom range to rival the traditional Flo 1800W MSR followspots. The variable white source offers greater versatility and eliminates the need for physical color correction filters, simplifying setup and reducing consumable costs. The colour temperature can be controlled remotely from the console allowing real-time adjustments. With its compact dimension, silent operation, smooth electronic dimming and the benefits of no lamp change and powerful output, Morgane is the ideal truss spot for larger venues and full size theaters.

### Features

- **Motorised fully closing iris:** makes it possible to store presets for fast cues
- **Colour Temperature (CCT):** adjustable whites from 3000 to 6300K
- **Universal adjustable gobo holder:** "A" size glass and metal gobos
- **Ergonomic dimmer control:** one-handed dim, pan and tilt
- **Local control:** light intensity and beam size (iris) adjustment through built-in potentiometers
- **Frost filter:** on flip lever for quick soft-edge beam effect
- **Horizontal chopper (optional):** for masking control in TV studios and wide stages
- **Internal glass filter holder:** long term use of durable coloured, dichroic or textured glass
- **Individually removable colour frame:** gels replaced easily while colour cassette remains in place
- **Colour changer:** 6-way, 'push/pull' colour changer system for simultaneous use of multiple filters
- **Remote display:** an optional second display can be connected anywhere on the unit to have simultaneous view of the stage and iris / intensity values
- **Remote controllers:** optional controllers can be connected to operate the followspot from any position (back, side...)
- **Adjustable response time:** choice of fast or slow dimming for tungsten-like simulation - adjustment by DMX protocol
- **Ethernet-DMX node:** data IN through RJ45 connector; data OUT through DMX for daisy chaining
- **Universal data control:** compatible with DMX, RDM, Art-Net, sACN protocols
- **Remote setup:** all parameters can be adjusted by RDM protocol or by web interface
- **PWM adjustment:** choice of different PWM dimming frequencies - continuous mode available
- **Advanced Ethernet node functionalities:** compatible with RDM, LLRP, Zeroconf protocols
- **Local setup:** DMX address and mode, dimming curve and response time through 4-button display with automatic light switch-off
- **Dimming parameters:** choice of square or linear dimming curves
- **DMX:** 8 or 16 bit dimming, iris, CCT, response time and strobe function
- **Easy focus reference:** graduated scale on side of the unit; fast and easy refocusing

### Optical

- **Long life:** outstanding operational lifetime expectation, no need to replace lamps, low maintenance
- **Native high CRI LED source:** CRI > 90 - perfect for performer illumination - no need for correction filter
- **Powerful neutral whites:** maximum light output between 4500 and 5000 Kelvins
- **Gobo :** excellent gobo projection
- **Optical quality:** smooth flat beam, no hot spot
- **Variable zoom optics:** sharp focus at every beam angle. Independent control of image size and focus.
- **Electronic dimmer:** dimming without clipping or cut-out at low intensity levels; high quality smoothing
- **No colour shift:** colour temperature remains the same when dimming

### Construction

- **Made in France :** fully manufactured in Robert Juliat premises retaining complete control over all aspects of quality
- **PSU:** built-in electronic flicker-free power supply for easy, plug-and-play installation
- **Power connectors:** compatible powerCON® TRUE1 IN and OUT connectors for daisy chaining
- **Silent-running cooling fans:** ideal for TV studios and opera houses
- **Electronic thermal management system:** ensures maximum performance of the system without any risk of overheating
- **3 cooling modes available:** includes a silent mode for perfect integration in concert halls
- **Bodywork:** strong sheet metal construction for durability
- **Ergonomic wrap-around handle:** comfort, safety and practicality from all operating positions
- **Moving parts:** smooth at all times, even when hot
- **Captive knobs and handles:** additional security when working at height or in transit
- **Fine balance:** precision positioning and smooth operation even with the smallest movements
- **Easy access to all parts:** easy cleaning and maintenance

Picture: 1489

DSEN439\_1489C\_VW - 08/04/2026

Robert Juliat reserves the right to change or alter any of the items detailed on this page, to increase or improve manufacturing techniques without prior notice.

Robert Juliat S.A.S., 32 rue de Beaumont, 60530 Fresnoy-en-Thelle - France  
Telephone : +33 (0)3 44 26 51 89 - info@robertjuliat.fr - www.robertjuliat.com



ROBERT JULIAT

- Lamp type: LED
- Power: 800 W

LED specifications	Power *	Lumen output*	Colour temperature*	Life*
TVW02	800 W		3000K --> 6300K	30 000 h

(\*) manufacturer's data

## Optics

### Characteristics

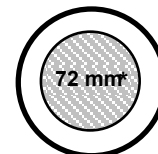
- Type: Zoom
- Range: 13° to 24° (Field angle)
- Focal length: - mm

### Gel filter

- Shape: Circle
- Standard size: 210 mm (8.3 in)

### Gobo

- Size: A
- Material: Metal  
Glass

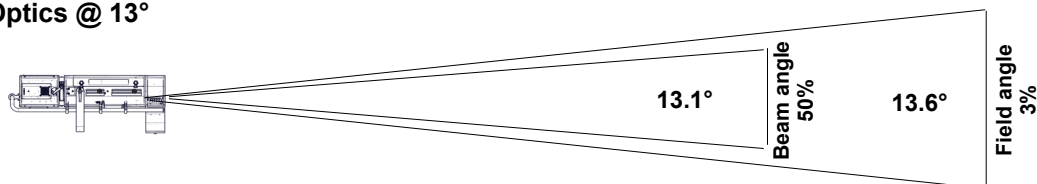


100 mm  
\*Maximum image size

## Photometrics (Photometrics report(s) available at the end of the document)

optics: 13°-24° / Standard / 5000 K

### • Optics @ 13°



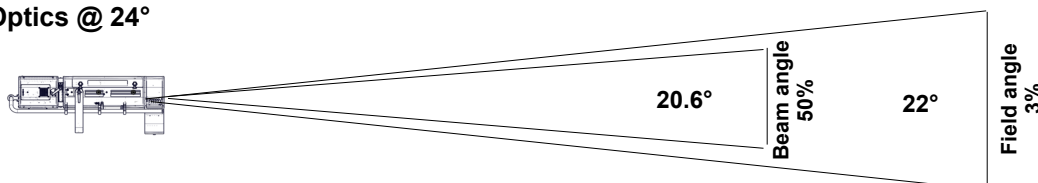
Beam intensity  
650 900 cd

Field lumens  
19 960 lm

Efficacy  
24 lm/W

Distance	5 m	10 m	15 m	20 m	25 m	30 m
Diameter	1.2 m	2.4 m	3.6 m	4.8 m	6 m	7.2 m
Illumination	26 500 lux	6 600 lux	2 900 lux	1 650 lux	1 050 lux	730 lux
Distance	15 ft	35 ft	50 ft	65 ft	80 ft	100 ft
Diameter	3.6 ft	8.3 ft	11.9 ft	15.5 ft	19.1 ft	23.8 ft
Illumination	2 900 fc	540 fc	270 fc	160 fc	110 fc	70 fc

### • Optics @ 24°



Beam intensity  
263 000 cd

Field lumens  
20 680 lm

Efficacy  
25 lm/W

Distance	5 m	10 m	15 m	20 m	25 m	30 m
Diameter	1.9 m	3.9 m	5.8 m	7.8 m	9.7 m	11.7 m
Illumination	11 000 lux	2 650 lux	1 200 lux	660 lux	430 lux	300 lux
Distance	15 ft	35 ft	50 ft	65 ft	80 ft	100 ft
Diameter	5.8 ft	13.6 ft	19.4 ft	25.3 ft	31.1 ft	38.9 ft
Illumination	1 200 fc	220 fc	110 fc	65 fc	42 fc	27 fc

## Remote control

- Data protocol: USITT DMX512-A  
RDM / Art-Net / sACN

- Data IN connector: 5 pins XLR male + etherCON RJ45
- Data OUT connector: 5 pins XLR female



### • DMX chart:

#### Mode 1 (1 channels)

Dimmer

#### Mode 2 (6 channels)

Dimmer  
Dimmer fine  
Strobe duration  
Strobe speed  
Response time  
Control mode

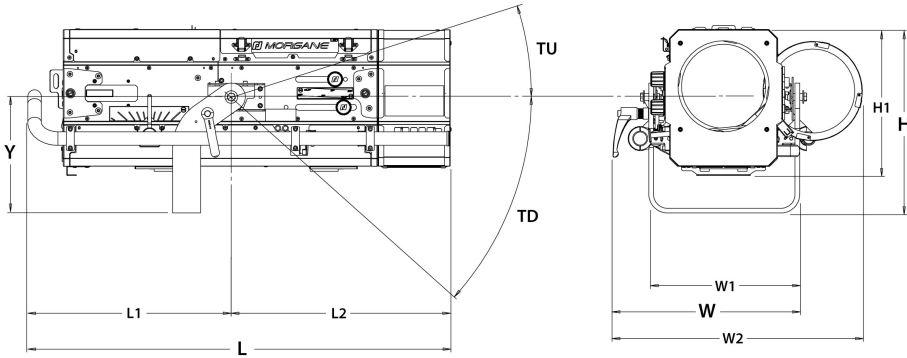
#### Mode 3 (8 channels)

Dimmer  
Dimmer fine  
Master dimmer  
Master dimmer fine  
Strobe duration  
Strobe speed  
Response time  
Control mode

#### Mode 4 (12 channels)

Dimmer @16  
Master dimmer @16  
Strobe: duration+speed  
Response time  
Control mode  
Iris  
iris mode  
CCT @16

## Dimensions and weight



**Weight:** 36 kg (79.2 lbs)

Height	Length	Width	Yoke	Tilt
H= 393 mm (15.5 in)	L= 905 mm (35.6 in)	W= 434 mm (17.1 in)	Y= 249 mm (9.8 in)	TU= 9°
H1= 294 mm (11.6 in)	L1= 436 mm (17.2 in)	W1= 323 mm (12.7 in)		TD= 65°
	L2= 469 mm (18.5 in)	W2= 534 mm (21 in)		

## Shipping

- **Weight :** 50 kg (110 lbs)
- **Volume :** .41 m<sup>3</sup> (14.48 ft<sup>3</sup>)

## Installation

- **Minimum distance to illuminated surface:** 1.7 m ( 5.6 ft )
- **Operating position:**



## Construction

- **Housing:** Steel sheet - Aluminium
- **Colour:** Black
- **Cooling:** Variable fans
- **Maximum ambient temperature (Ta):** 40°C (104°F)
- **Maximum case temperature (Tc):** 70°C (158°F)
- **Total heat dissipation:** 3 331 BTU/h
- **Ingress Protection (IP) rating:** IP20

## Electrical compatibility

- 220/230 V - 50 Hz
- 245 V - 50 Hz
- 110/120 V - 60 Hz
- 208 V - 60 Hz
- 220/230 V - 60 Hz
- 100 V - 50 Hz
- 100 V - 60 Hz
- Selector: automatic detection

## Power input



- **Type:** removable power cord with compatible powerCON® TRUE1 connector (included)
- **Cable:** 14 AWG SJ type (UL/CSA)
- **Length:** 1.5 m (4.9 ft)
- **Power connector:** without connector

## Power consumption

Voltage	Frequency	Current	Power	Power factor
110 V	60 Hz	9.1 A	976 W	0.99
208 V	60 Hz	4.77 A	942 W	0.95
100 V	60 Hz	10.15 A	982 W	0.99

## Power Supply Unit

- **PSU:** Internal - Electronic PSU - Flicker free with PFC
- **Control:** Local / DMX
- **Protection:** Mains: 2x 16A 1P1D breaker - UL /

## Warranty

- **Fixture: 3 years**  
See General Sales Condition on website





## Approvals






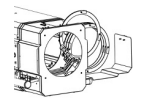







## Model


















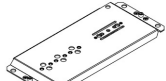
<b>1489C VW</b>	LED 825W - Variable White Followspot - 1489C VW Morgane - 13/24° - North american standard
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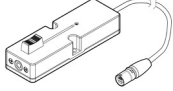
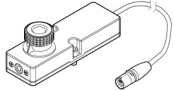



## Options

<b>FRO/SMG2PV</b>	Heavy duty adjustable yoke equipped with TILT SpotMe sensor (G2 type)	
<b>FD/CLPV</b>	Straight yoke for LED Compact followspots	
<b>FRO/CL2PV</b>	Heavy duty adjustable yoke for LED Compact followspots (long throw)	
<b>CAG/CL2</b>	Left side controls option for Tristan / Morgane (Iris/Dimmer/Frost/Colour changer)	
<b>FC1189-2</b>	Flight-case for Compact LED range / GT stand / accessories - Dim: 1325x600x925mm - Weight: 57,4 Kg	

## Accessories

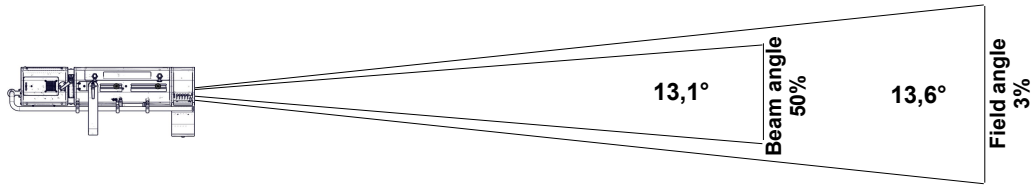
<b>PF1011</b>	Ø210 mm metal filter holder <b>6 included</b>	
<b>SGUP2</b>	Universal "A" size gobo-holder (metal, glass, frosted glass) <b>1 included</b>	
<b>FO100R-2</b>	ø100mm 2° frost optical filter with holder <b>1 included</b>	
<b>M210/2T</b>	6 ways "push/pull" colour changer with fan <b>1 included</b>	
<b>Fusion/RJ</b>	Madrix Radar (RDM monitoring): Fusion RJ licence - access to all RDM parameters of RJ fixtures <b>1 included</b>	
<b>GT4000</b>	Tripod stand with safety chain - SWL: 130 Kg - max. height: 1030 mm - Weight: 7.91 Kg	
<b>GT4000RSM</b>	Tripod stand with ball head rotation with security chain and SpotMe PAN sensor - SWL: 130 Kg - max. height: 1030 mm	
<b>GT4000S</b>	Tripod stand without safety chain - SWL: 130 Kg - max. height: 1030 mm - Weight: 8.65 Kg	
<b>JPP</b>	Monopod stand for overhead followspot - Weight: 3.6 Kg	
<b>T1000</b>	TV spigot with followspots swivel head - Weight: 1.82 Kg	
<b>T4000</b>	Followspot mount for Ø50mm pipe (suspension or overhead) - SWL= 100 Kg - Weight: 4.88 Kg	

<b>T4000RSM</b>	Followspot mount with ball head rotation and SpotMe PAN sensor - SWL = 100 Kg - Weight: 8.53 Kg	
<b>CAV700A</b>	Double slot front cassette for 215x215mm accessories - Weight: 0.52 Kg	
<b>FCM100R</b>	Ø97mm 1/2 CTO correction filter (Rosco #3408) with holder	
<b>FO100R-1</b>	ø100mm 1° frost optical filter with holder	
<b>FO100R-5</b>	ø100mm 5° frost optical filter with holder	
<b>FO120C-1</b>	120x120mm 1° frost optical filter	
<b>FO120C-10</b>	120x120mm 10° frost optical filter	
<b>FO120C-2</b>	120x120mm 2° frost optical filter	
<b>FO120C-5</b>	120x120mm 5° frost optical filter	
<b>VD120</b>	120x120mm frosted glass	
<b>FD/CLPD</b>	Straight yoke for LED Compact followspots	
<b>FRO/CLPD</b>	Heavy duty adjustable yoke for LED Compact followspots	
<b>FRO/SMGPD</b>	Heavy duty adjustable yoke equipped with TILT SpotMe sensor (G type)	
<b>G80/3</b>	Ø80mm horizontal chopper	
<b>BK/E1</b>	Extra weight kit for BK1 (0,5 Kg) - Weight: 0.5 Kg	
<b>BK1</b>	Followspot balancing kit (including 1 Kg counterweights) - Weight: 2.05 Kg	
<b>BM1</b>	Articulated magic arm with super clamp for P1FE accessories (1/4" connector)	
<b>Kit TELRAD</b>	Telrad followspot sight with raiser and universal mounting kit - Weight: 1.23 Kg	
<b>PSA2</b>	Support plate for 2x P1FE and 1/4" accessories	

<b>SDUP</b>	Followspot cue sheet holder with universal mounting kit	
<b>TCSM</b>	SpotMe calibration tool kit	
<b>Fusion/L</b>	Madrix Radar (RDM monitoring): Fusion Large licence - up to 4096 non-RJ RDM fixtures - USB dongle included	 <b>RADAR</b>
<b>Fusion/M</b>	Madrix Radar (RDM monitoring): Fusion Medium licence - up to 512 non-RJ RDM fixtures - USB dongle included	 <b>RADAR</b>
<b>Fusion/S</b>	Madrix Radar (RDM monitoring): Fusion Small licence - up to 64 non-RJ RDM fixtures - USB dongle included	 <b>RADAR</b>
<b>Maestro</b>	Maestro server for SpotMe - rackable unit: 1U - half 19" - Weight: 1.2 Kg	
<b>P1FE-L1</b>	One-function remote controller (with linear potentiometer) - Ethernet connector	
<b>P1FE-R1</b>	One-function remote controller (with rotary potentiometer) - Ethernet connector	
<b>R-DISPE1</b>	Remote display - Ethernet connector (1/4" connector included)	
<b>SMS</b>	SpotMe server + 2 sensor cables + flight case - Weight: 6.2 Kg	
<b>FC1189-2/S</b>	Flight-case for Compact LED range / GT stand / accessories - Weight: 57.4 Kg	

• Optics @ 13°

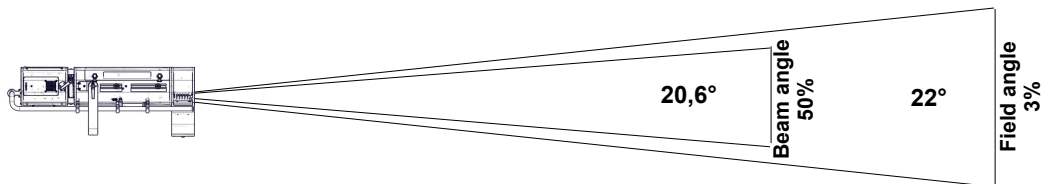
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
19 960 Lm	19 420 Lm	24 Lm/W	650 900 Cd	5 000 K	-0.005



Distance	5 m	10 m	15 m	20 m	25 m	30 m
Field diameter	1,2 m	2,4 m	3,6 m	4,8 m	6 m	7,2 m
Illumination	26 500 lux	6 600 lux	2 900 lux	1 650 lux	1 050 lux	730 lux
Distance	15 ft	35 ft	50 ft	65 ft	80 ft	100 ft
Field diameter	3,6 ft	8,3 ft	11,9 ft	15,5 ft	19,1 ft	23,8 ft
Illumination	2 900 fc	540 fc	270 fc	160 fc	110 fc	70 fc

• Optics @ 24°

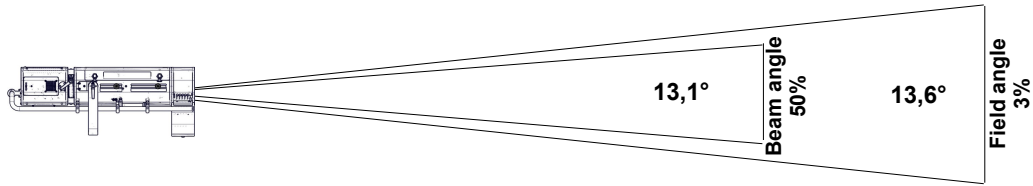
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
20 680 Lm	19 190 Lm	25 Lm/W	263 000 Cd	4 870 K	-0.0048



Distance	5 m	10 m	15 m	20 m	25 m	30 m
Field diameter	1,9 m	3,9 m	5,8 m	7,8 m	9,7 m	11,7 m
Illumination	11 000 lux	2 650 lux	1 200 lux	660 lux	430 lux	300 lux
Distance	15 ft	35 ft	50 ft	65 ft	80 ft	100 ft
Field diameter	5,8 ft	13,6 ft	19,4 ft	25,3 ft	31,1 ft	38,9 ft
Illumination	1 200 fc	220 fc	110 fc	65 fc	42 fc	27 fc

• Optics @ 13°

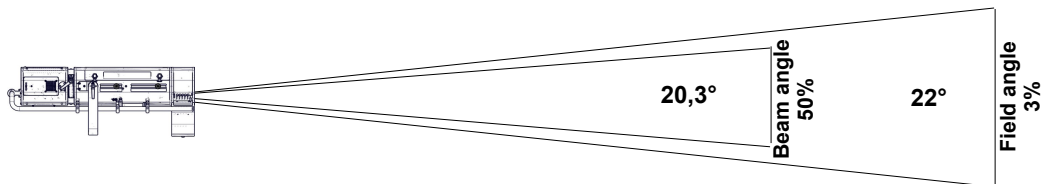
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
11 500 Lm	11 070 Lm	22 Lm/W	378 500 Cd	3 240 K	-0.0005



<b>Distance</b>	5 m	10 m	15 m	20 m	25 m	30 m
<b>Field diameter</b>	1,2 m	2,4 m	3,6 m	4,8 m	6 m	7,2 m
<b>Illumination</b>	15 500 lux	3 800 lux	1 700 lux	950 lux	610 lux	430 lux
<b>Distance</b>	15 ft	35 ft	50 ft	65 ft	80 ft	100 ft
<b>Field diameter</b>	3,6 ft	8,3 ft	11,9 ft	15,5 ft	19,1 ft	23,8 ft
<b>Illumination</b>	1 700 fc	310 fc	160 fc	90 fc	60 fc	38 fc

• Optics @ 24°

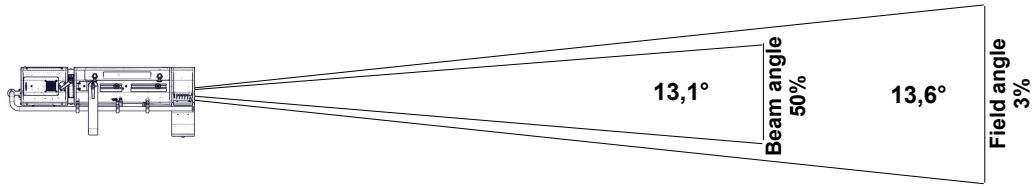
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
11 790 Lm	10 750 Lm	23 Lm/W	151 400 Cd	3 190 K	-0.0005



<b>Distance</b>	5 m	10 m	15 m	20 m	25 m	30 m
<b>Field diameter</b>	1,9 m	3,9 m	5,8 m	7,8 m	9,7 m	11,7 m
<b>Illumination</b>	6 100 lux	1 550 lux	680 lux	380 lux	250 lux	170 lux
<b>Distance</b>	15 ft	35 ft	50 ft	65 ft	80 ft	100 ft
<b>Field diameter</b>	5,8 ft	13,6 ft	19,4 ft	25,3 ft	31,1 ft	38,9 ft
<b>Illumination</b>	680 fc	130 fc	65 fc	36 fc	24 fc	16 fc

• Optics @ 13°

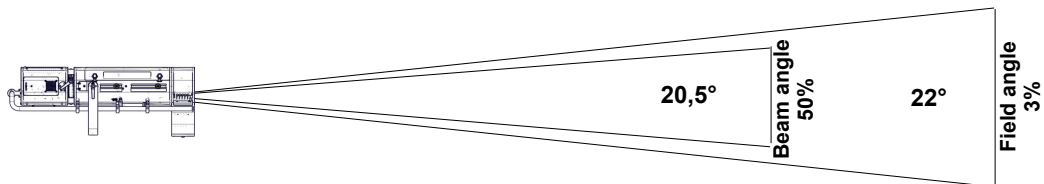
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
17 230 Lm	16 760 Lm	30 Lm/W	562 100 Cd	6 060 K	-0.0019



<b>Distance</b>	5 m	10 m	15 m	20 m	25 m	30 m
<b>Field diameter</b>	1,2 m	2,4 m	3,6 m	4,8 m	6 m	7,2 m
<b>Illumination</b>	22 500 lux	5 700 lux	2 500 lux	1 450 lux	900 lux	630 lux
<b>Distance</b>	15 ft	35 ft	50 ft	65 ft	80 ft	100 ft
<b>Field diameter</b>	3,6 ft	8,3 ft	11,9 ft	15,5 ft	19,1 ft	23,8 ft
<b>Illumination</b>	2 500 fc	460 fc	230 fc	140 fc	90 fc	60 fc

• Optics @ 24°

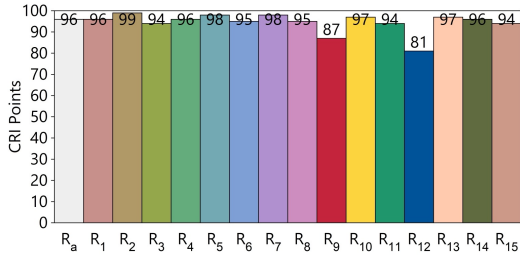
Field lumens	Beam lumens	Efficacy	Beam intensity	CCT	Delta uv
17 520 Lm	16 200 Lm	31 Lm/W	222 900 Cd	5 860 K	-0.0017



<b>Distance</b>	5 m	10 m	15 m	20 m	25 m	30 m
<b>Field diameter</b>	1,9 m	3,9 m	5,8 m	7,8 m	9,7 m	11,7 m
<b>Illumination</b>	9 000 lux	2 250 lux	1 000 lux	560 lux	360 lux	250 lux
<b>Distance</b>	15 ft	35 ft	50 ft	65 ft	80 ft	100 ft
<b>Field diameter</b>	5,8 ft	13,6 ft	19,4 ft	25,3 ft	31,1 ft	38,9 ft
<b>Illumination</b>	1 000 fc	190 fc	90 fc	55 fc	35 fc	23 fc

CCT	DeltaUV	CRI Ra	CRI R9	CQS Qa	TM30-18 Rf	TM30-18 Rg	TLCI	SSI [4931]
4 930K	-0.0049	96	87	95	94	104	98	78

CRI - CIE Colour Rendering Index

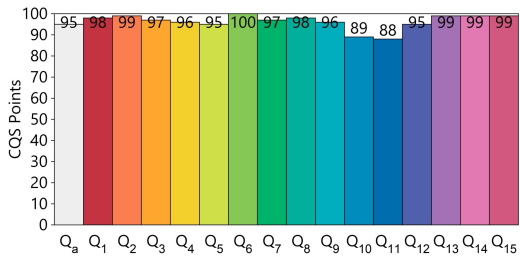


TLCI - Television Lighting Consistency Index

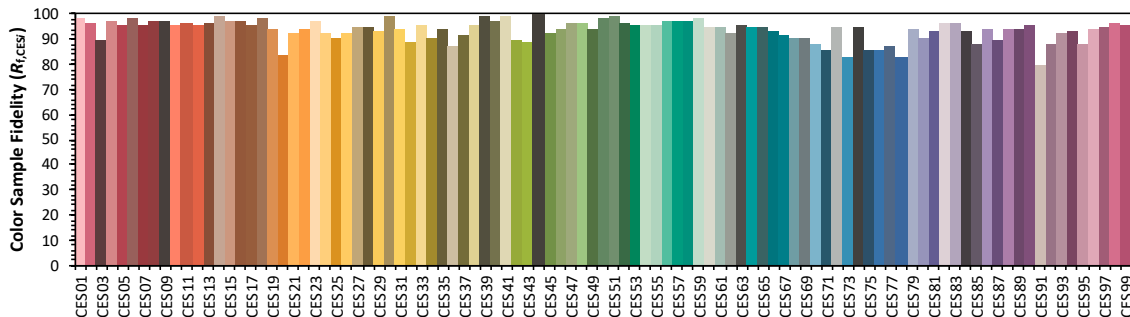
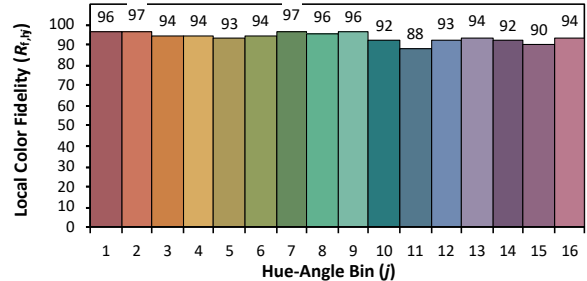
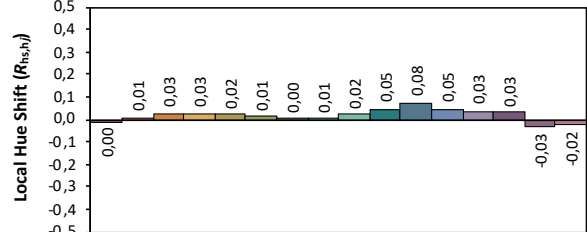
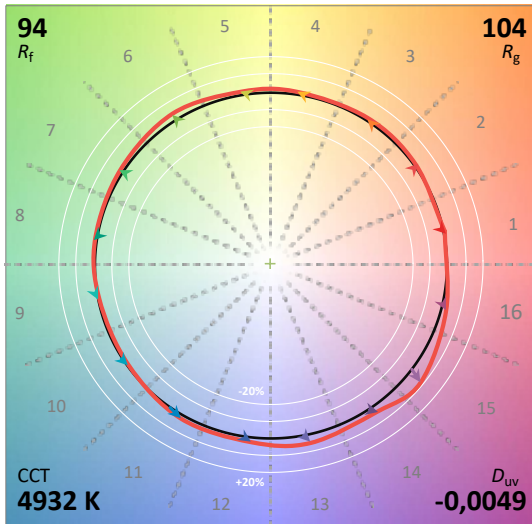
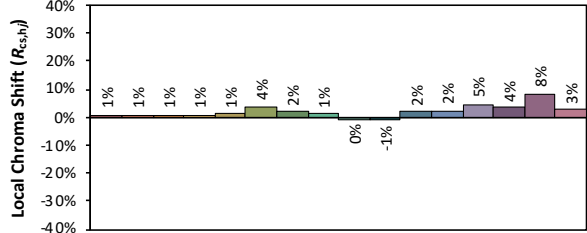
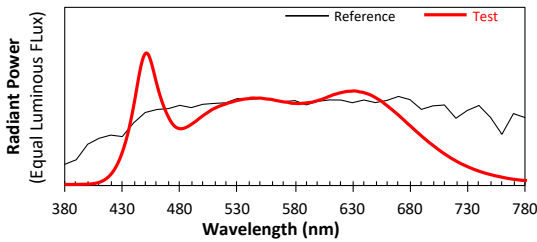
Test : CCT = M4931 (-1.7)  
 TLCI-2012 : 98 (M4931)



CQS - NIST Colour Quality Scale



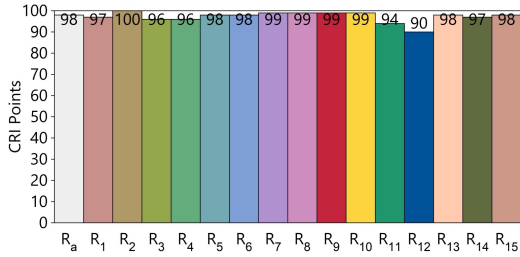
ANSI/IES TM-30-18 Colour Rendition Report



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

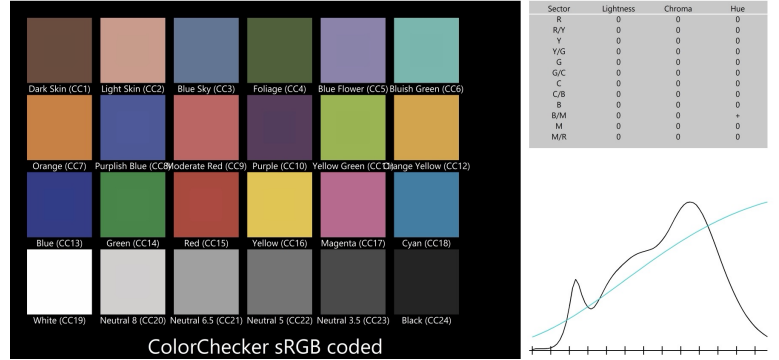
CCT	DeltaUV	CRI Ra	CRI R9	CQS Qa	TM30-18 Rf	TM30-18 Rg	TLCI	SSI [3216]
3 220K	-0.0005	98	99	98	96	102	99	86

CRI - CIE Colour Rendering Index

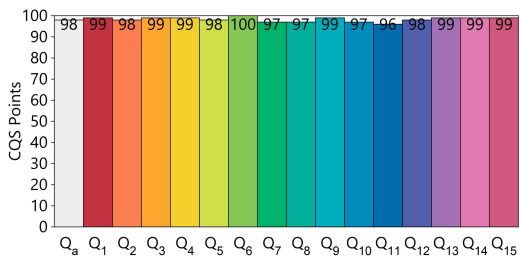


TLCI - Television Lighting Consistency Index

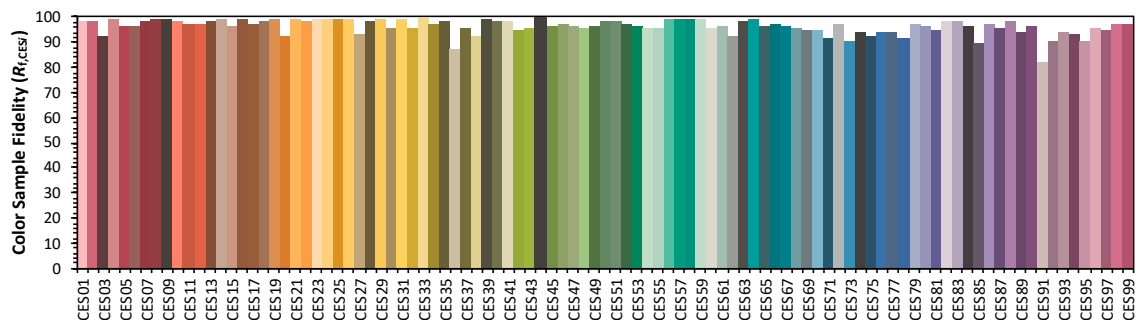
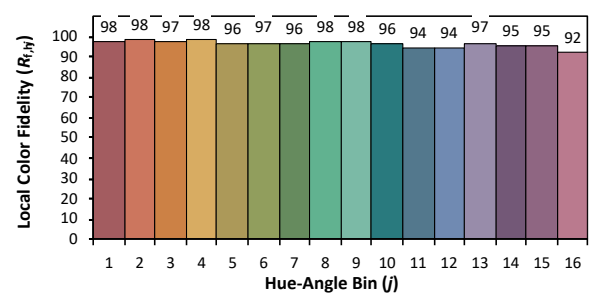
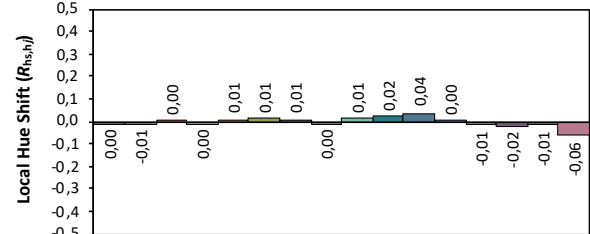
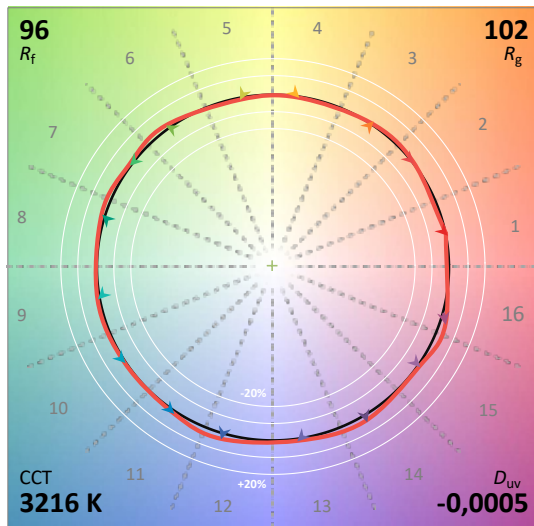
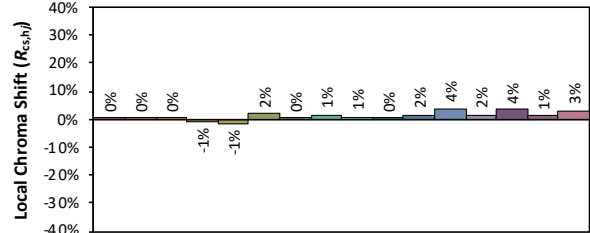
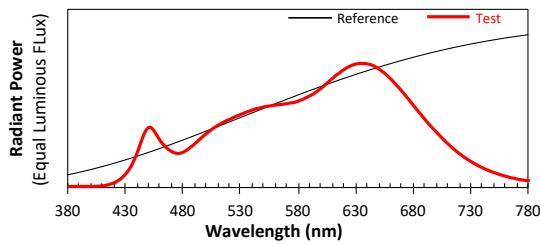
Test : CCT = P3216 (-0.1)  
 TLCI-2012 : 99 (P3216)



CQS - NIST Colour Quality Scale



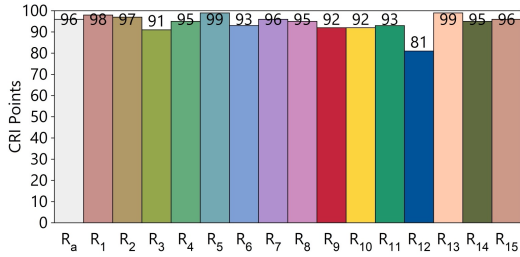
ANSI/IES TM-30-18 Colour Rendition Report



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

CCT	DeltaUV	CRI Ra	CRI R9	CQS Qa	TM30-18 Rf	TM30-18 Rg	TLCI	SSI [5950]
5 950K	-0.0018	96	92	94	93	103	98	75

CRI - CIE Colour Rendering Index

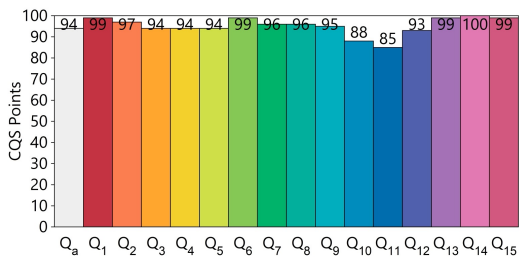


TLCI - Television Lighting Consistency Index

Test : CCT = D5950 (-0.9)  
 TLCI-2012 : 98 (D5950)



CQS - NIST Colour Quality Scale



ANSI/IES TM-30-18 Colour Rendition Report

