

Otello 6 HD VariWhite +

Last update:
05/01/2024



Otello 6 HD + with 8 leaf barndoor

Introducing

● Developed to offer the best solution in the stage lighting field focussing on **theatre and TV studios applications**, Otello Led Fresnel incorporates all traditional characteristics of a Fresnel light such as the **distinctive soft-edged** and **very wide beam** and the **smooth and homogeneous light field**.

The improved **HD electronic** with an advanced LED controller guarantees a smooth 20 bit dimming and a superlative **color mixing**.

Next to the traditional manual or P.O. option, Otello offers an optional motorized zoom, which together with a modern design and Oled display with on-board selector for quick setting represents the state of the art in terms of LED Fresnel range.

The family consists of 2 fixtures with lenses of 150 mm (5,9 inch) and 200 mm (7,87 inch). All variants include COB, VariWhite, Studio and FullSpectrum 6 LEDs in 3 power steps.

● **FullSpectrum** : 2.700 – 20.000 K (CRI average> 95); Red, Green, Blue, Cyan, Lime, Amber color mixing with Green-Magenta adjustment

● **VariWhite | Tungsten | Daylight**: white engines with the Tungsten and Daylight COB LED calibrated respectively at 3.000 K and 5.600 K CCT and a tunable white source ranging from 2.800 to 6.500 K (CRI > 94) for the VariWhite version

Key Features



● VariWhite COB LED



● High CRI> 95



● CCT 2.700 K → 6.500 K



● Fresnel lens (diameter 150 mm / 5.90 in)
● Motorized zoom range from 12° to 48° (manual / PO zoom available) half peak angle
● Available with Manual or Motorized Zoom



● Extruded aluminum, flame-retardant technopolymer reinforced with fiberglass



● Custom color on request (optional)



● Manual Yoke, Pole Operated Pan-Tilt-Zoom (Accessory)

General	
● LED Source	VariWhite COB LED
● CCT Range	● ● ● ● 2.700 K → 6.500 K
● Color Rendition Average	CRI> 95, TLCI> 97
● Dimming	8 or 16 bit, 5 selectable curves: Exponential, Logarithmic, Linear, Halo and Standard
● Dimming Smooth Selection	Fast, Slow and Very Slow
● Strobe	Electronic strobe, synchronized, random, pulse effect
● Lens	Glass Fresnel lens (diameter 150 mm / 5.90 in)
● Optical	Zoom range from 12° to 48° half peak angle (motorized, manual or PO zoom available)
● Camera flicker control/Hz range	Yes: 20.000 Hz
● Calibrated Cob	Yes
● L80 Rating (hours to 80% output)	50.000 Hours
Electrical	
● Voltage Input	AC 80-264 V, 50-60 Hz
● Power Consumption	200 W Maximum - 0.93 A at 230 V, 1.77 A at 115V - cosφ: 0.94 (motorized zoom) 190 W Maximum - 0.88 A at 230 V, 1.69 A at 115V - cosφ: 0.94 (manual zoom/P.O.)
● Power Connection	In and Out PowerCON TRUE1 Top connectors
● Data Connection	In and Out DMX 5 pin locking XLR connectors
Thermal	
● Ambient Operating Temperature	-0°C / +40°C (-32°F - 104°F)
● Fan (controllable)	Yes, 4 different settings: Silent, Studio, Auto, DMX Regulated
Control	
● Protocols	DMX-512, RDM (Remote Device Management), Wireless (optional By LumenRadio)
● RDM configuration	Yes
● DMX Channels	Motorized Zoom: 6 / 4 / Sunrise / Raw / MK1 / 7 Channels Manual Zoom/P.O.: 5 / 2 / 1 / Sunrise / Raw / MK1 / 6 Channels
● Display	Graphic OLED with on-board selector for quick setting
● Firmware upgrade	Through DMX with RDM Upgrade USB interface (code AC10011A001)
Physical	
● Yoke	Manual Yoke, Pole Operated Pan-Tilt-Zoom
● Materials	Extruded aluminum, flame-retardant technopolymer reinforced with fiberglass
● Weight	9.5 kg / 20.94 lbs
● Length	425.5 mm / 16.76
● Height	267.3 mm / 10.52 in - With bracket: 384.2 mm / 15.13 in
● Width	277.7 mm / 10.93 in
● IP Rating	IP20
● Color options	Black (standard), custom color on request (optional)
Included accessories	
BC10044A001	8-Leaf Barndoor
GKIT17 (USA) / GKIT16 (EU)	1.5 m power cable with PowerCON TRUE1 Top and bare ends
BC10044A005	Color frame holder



Otello 6 HD + (manual zoom)
Rear Panel with the new OLED
display



Otello 6 HD + with
Pole Operated Yoke and Pole Operated
Zoom

Otello 6 HD+ PO version / Rear Panel

DMX Charts - Manual Zoom

5 Channels

01 → Master Dimmer
02 → Dimmer Fine
03 → White Tone
04 → Strobe Effect
05 → Special Functions

Raw Mode

01 → Warm White Led
02 → Warm White Led Fine
03 → Cold White Led
04 → Cold White Led Fine

2 Channel

01 → Master Dimmer
02 → White Tone

MK1 Mode

01 → Master Dimmer
02 → White Tone

1 Channel

01 → Master Dimmer - Color
Temperature Settable by Display

6 Channels Mode

01 → Master Dimmer
02 → Dimmer Fine
03 → White Tone
04 → White Temperature Fine
05 → Strobe Effect
06 → Special Function

Sunrise Mode

01 → Master Dimmer
02 → Dimmer Fine
03 → Proportional White Tone
04 → Step White Tone
05 → Special Functions

DMX Charts - Motorized Zoom

6 Channels

01 → Master Dimmer
02 → Dimmer Fine
03 → White Tone
04 → Strobe Effect
05 → Special Functions
06 → Zoom

MK1 Mode

01 → Master Dimmer
02 → White Tone
03 → Special Functions
04 → Zoom

4 Channel

01 → Master Dimmer
02 → White Tone
03 → Special Functions
04 → Zoom

7 Channels Mode

01 → Master Dimmer
02 → Dimmer Fine
03 → White Tone
04 → White Temperature Fine
05 → Strobe Effect
06 → Special Function
07 → Zoom

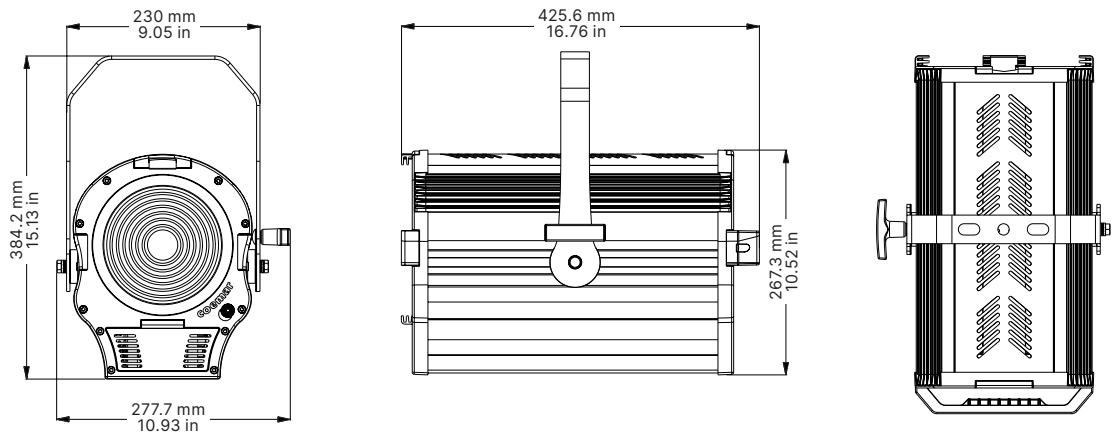
Sunrise Mode

01 → Master Dimmer
02 → Dimmer Fine
03 → Proportional White Tone
04 → Step White Tone
05 → Special Functions
06 → Zoom

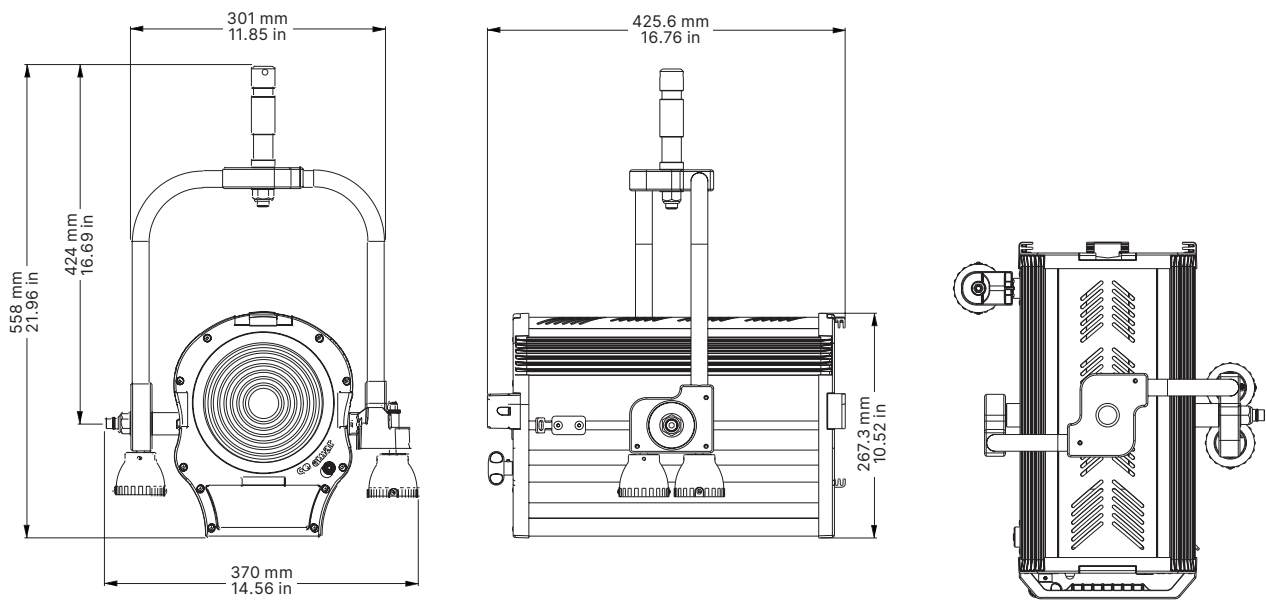
Raw Mode

01 → Warm White Led
02 → Warm White Led Fine
03 → Cold White Led
04 → Cold White Led Fine
05 → Special Functions
06 → Zoom

Drawing Size - Manual Yoke Version



Drawing Size - Pole operated Yoke Version



Models

Product	Code
Otello 6 HD VariWhite + Manual Yoke, Manual Zoom	F144G090M
Otello 6 HD VariWhite + Manual Yoke, Motorized Zoom	F144G000M
Otello 6 HD VariWhite + Pole Operated	F144G010M



Broadcast - CNBC Arabia, Dubai UAE

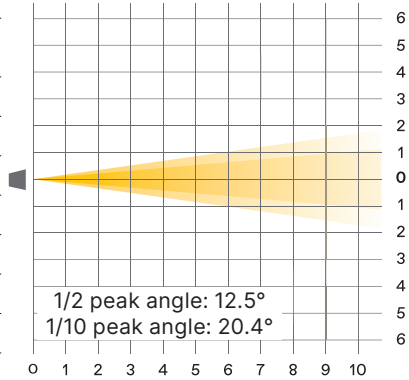
Product	Otello 6 VW HD
CCT	2.700 K → 6.500 K
CRI	>95
Optical	Manual Zoom

Otello 6 HD VariWhite +

Measurements taken at 4.3 meters

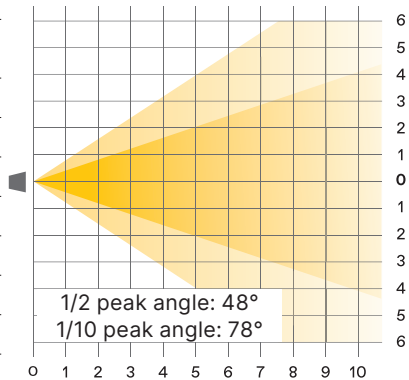
Minimum Zoom

Distance(m)		1	2	3	4	5	6	7	8	9	10
lux	2.700 K	61276	15319	6808	3830	2451	1702	1251	957	756	613
	3.200 K	71741	17935	7971	4484	2870	1993	1464	1121	886	717
	4.000 K	83002	20750	9222	5188	3320	2306	1694	1297	1025	830
	5.600 K	92191	23048	10243	5762	3688	2561	1881	1440	1138	922
	6.500 K	92857	23214	10317	584	3714	2579	1895	1451	1146	929
1/2 P.A. Ø (m)		0.22	0.44	0.66	0.88	1.10	1.31	1.53	1.75	1.97	2.19
1/10 P.A. Ø (m)		0.36	0.72	1.08	1.44	1.80	2.16	2.52	2.88	3.24	3.60
2.700 K		CRI 96.1	TLCI 95.3								
3.200 K		CRI 95.9	TLCI 97.3								
4.000 K		CRI 95.8	TLCI 97.8								
5.600 K		CRI 96.4	TLCI 98.2								
6.500 K		CRI 97.1	TLCI 98.1								



Maximum Zoom

Distance(m)		1	2	3	4	5	6	7	8	9	10
lux	2.700 K	10650	2663	1183	666	426	296	217	166	131	107
	3.200 K	12111	3028	1346	757	484	336	247	189	150	121
	4.000 K	13775	3444	1531	861	551	383	281	215	170	138
	5.600 K	15088	3772	1676	943	604	419	308	236	186	151
	6.500 K	15162	3790	1685	948	606	421	309	237	187	152
1/2 P.A. Ø (m)		0.89	1.78	2.67	3.56	4.45	5.34	6.23	7.12	8.01	8.90
1/10 P.A. Ø (m)		1.62	3.24	4.86	6.48	8.10	9.72	11.34	12.96	14.58	16.20
2.700 K		CRI 96.4	TLCI 95.8								
3.200 K		CRI 95.8	TLCI 97.1								
4.000 K		CRI 95.6	TLCI 97.7								
5.600 K		CRI 96.2	TLCI 98.2								
6.500 K		CRI 97.0	TLCI 98.1								



Otello 6 HD VariWhite +, Minimum Zoom, 2.700K

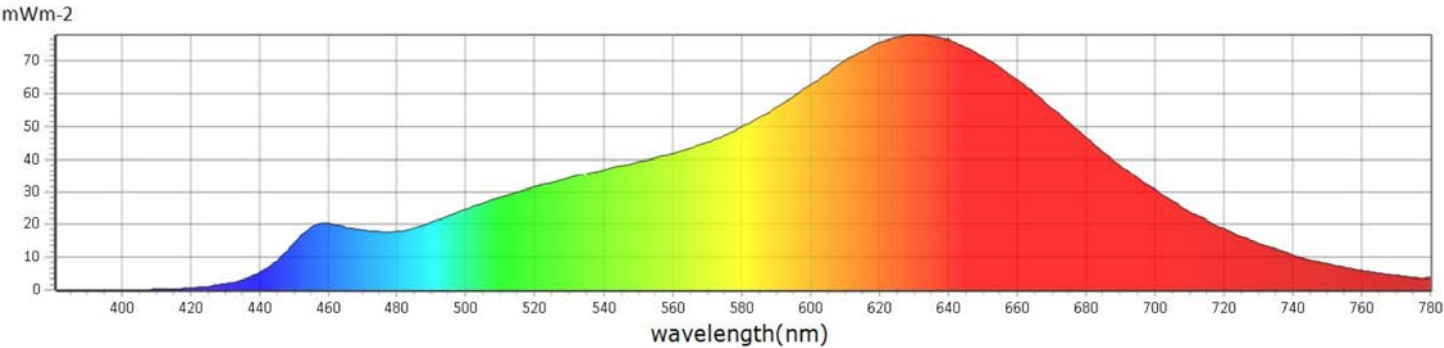
Measurements taken at 4.3 meters

General	
● CCT	2634 K
● x	0,4667
● y	0,4142
● LambdaD	584 nm
● LambdaP	628 nm

Measurements

CCT : 2634 K	x10 : 0,4718	delta-x : 0,0014	LambdaD : 584 nm	PPFD : 57,05 umolm-2s-1	S/P : 1,32	R3 : 98,0	R10 : 96,9
LUX : 3314 lx	y10 : 0,4143	delta-y : 0,0024	LambdaP : 628 nm	PFD : 63,13 umolm-2s-1	IRR : 12,46	R4 : 97,5	R11 : 96,3
I-Time : 3600 us	u'10 : 0,2686	delta-u' : -0,0002	Purity : 64,60%	PFD-B : 4,476 umolm-2s-1	CQS : 92,6	R5 : 98,0	R12 : 88,5
x : 0,4667	v'10 : 0,5305	delta-v' : 0,0011	fc : 308,0	PFD-G : 19,10 umolm-2s-1	CRI : 96,1	R6 : 94,2	R13 : 98,7
y : 0,4142	X : 3733,66	Duv : 0,0008	Rf : 91,8	PFD-R : 33,48 umolm-2s-1	TLCI : 95,3	R7 : 93,6	R14 : 98,9
u' : 0,2653	Y : 3313,56	MEL : 1667 lx	Rg : 96,8	PFD-UV : 0,0003 umolm-2s-1	R1 : 99,2	R8 : 90,2	R15 : 95,8
v' : 0,5297	Z : 952,54	LambdaPV : 77,99	GAI : 43,7	PFD-FR : 6,084 umolm-2s-1	R2 : 98,2	R9 : 80,9	

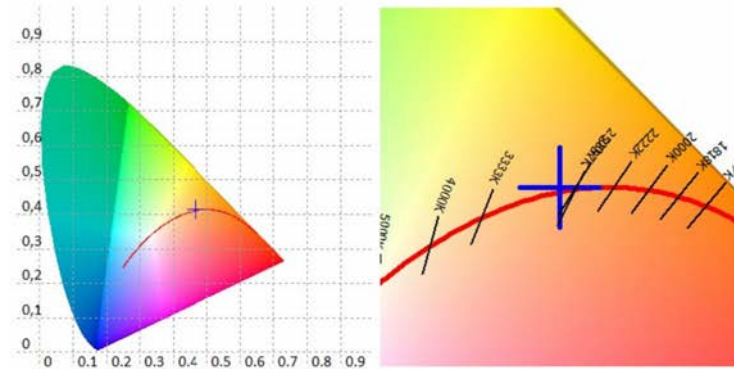
Spectrum



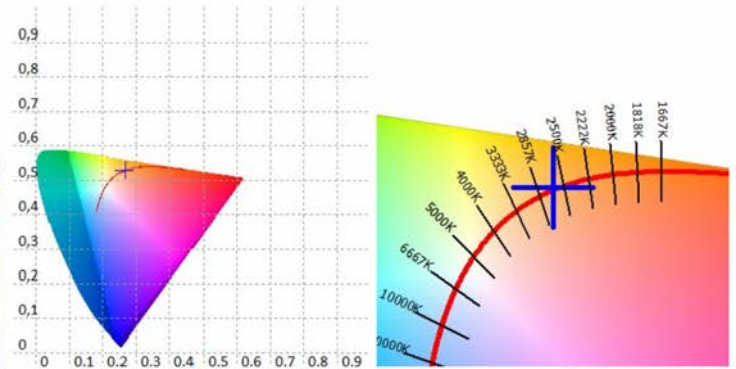
Otello 6 HD VariWhite +, Minimum Zoom, 2.700K

Measurements taken at 4.3 meters

CIE 1931



CIE 1976



CRI values, only R1-R8 are used to calculate final CRI

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,2	98,2	98,0	97,5	98,0	94,2	93,6	90,2	80,9	96,9	96,3	88,5	98,7	98,9	95,8

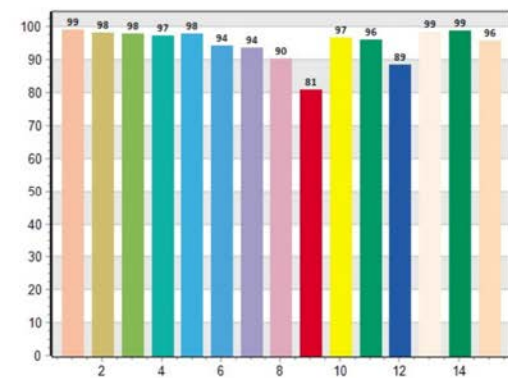
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91,9	96,2	94,5	87,2	92,2	91,9	88,8	91,3	88,8	90,4	92,7	88,7	88,5	89,4	89,3	88,2

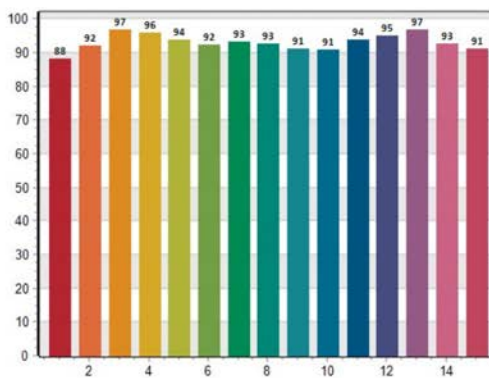
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88,3	92,2	96,9	95,9	94,0	92,4	93,4	92,8	91,4	90,9	93,9	95,1	96,8	92,6	91,2

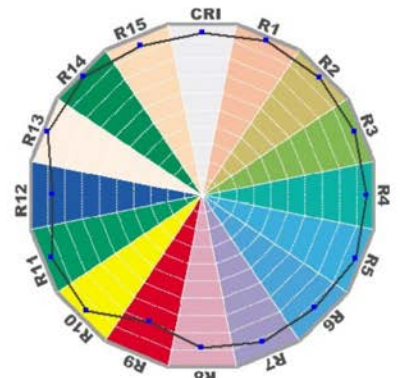
CRI: 96.12



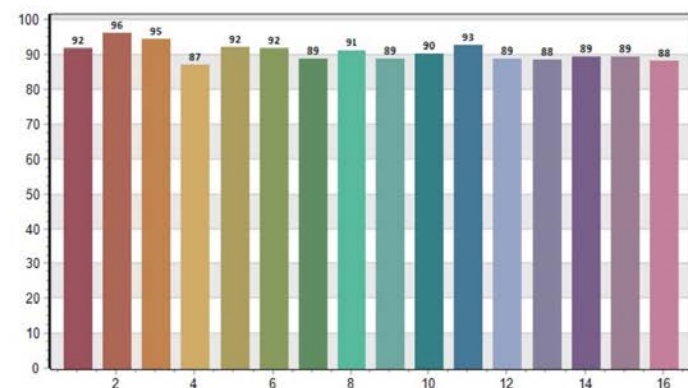
CQS: 92.58



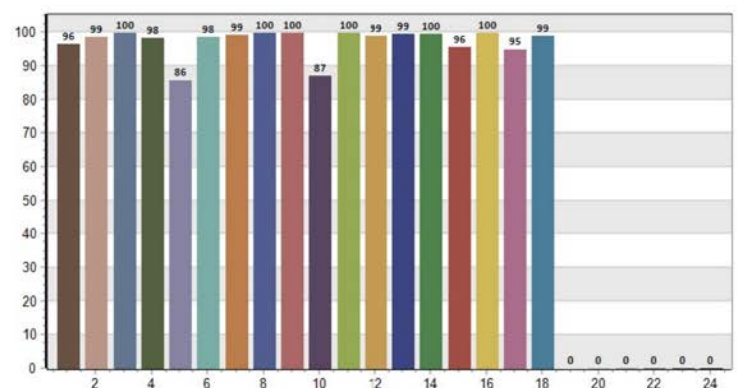
CRI-2



TM30: 91.77



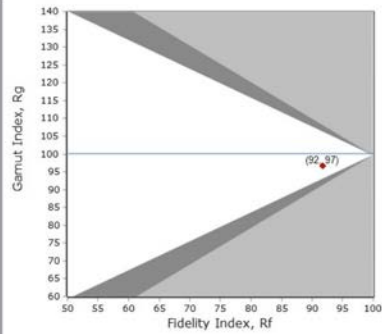
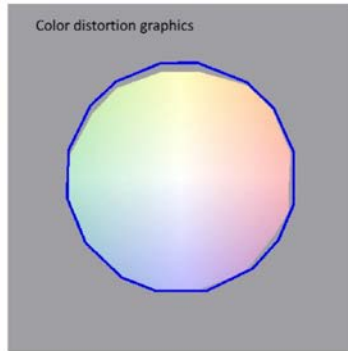
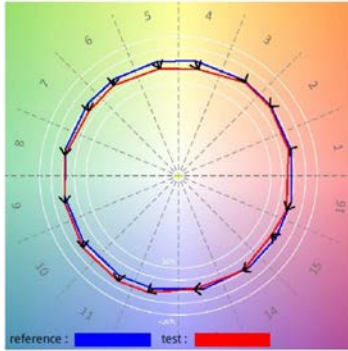
TLCI: 95.35



Otello 6 HD VariWhite +, Minimum Zoom, 2.700K

Measurements taken at 4.3 meters

General Color Rendition

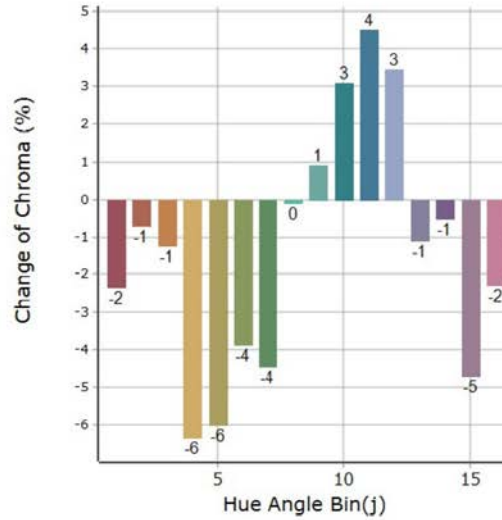
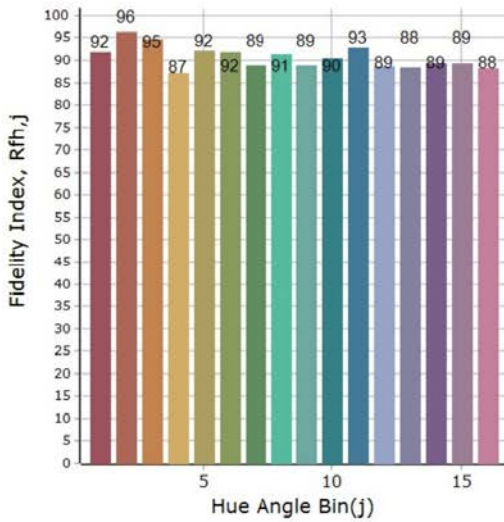
**Rf 91,8**

Fidelity index Rf

Rg 96,8

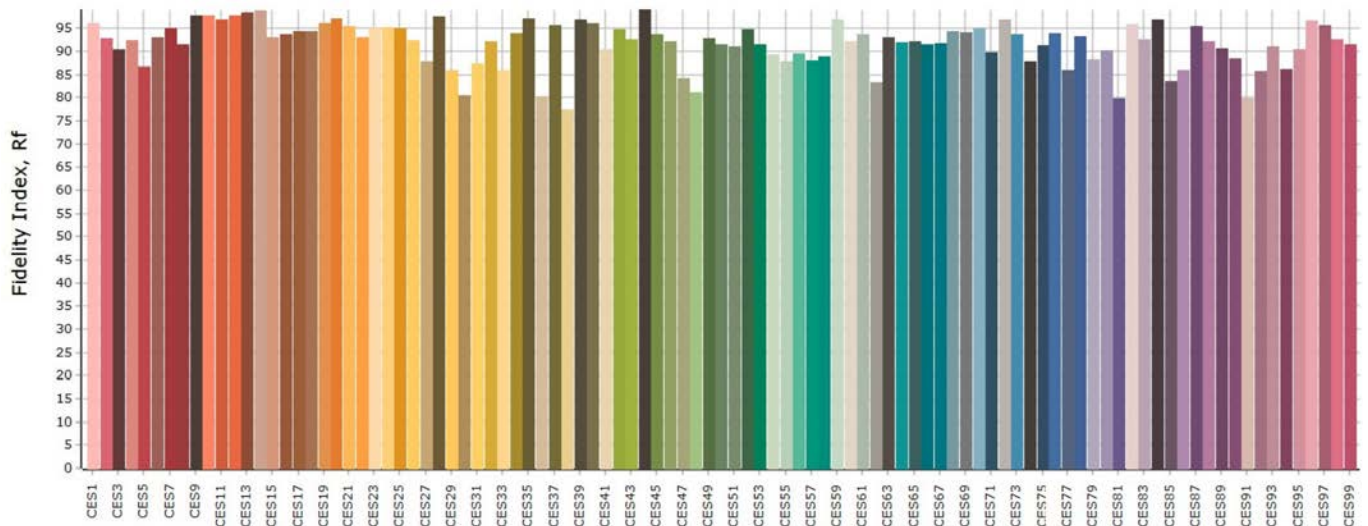
Gamut index Rg

Color Rendition by Hue



		Graphic shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	91,9	-2,3%	1,8%
2	96,2	-0,7%	-0,2%
3	94,5	-1,2%	-1,8%
4	87,2	-6,3%	-4,9%
5	92,2	-6,0%	-1,0%
6	91,9	-3,9%	3,2%
7	88,8	-4,5%	4,7%
8	91,3	-0,1%	5,8%
9	88,9	0,9%	5,8%
10	90,4	3,1%	5,0%
11	92,7	4,5%	2,2%
12	88,7	3,4%	-4,3%
13	88,4	-1,1%	-8,0%
14	89,4	-0,5%	-7,5%
15	89,3	-4,7%	0,8%
16	88,2	-2,3%	-7,2%

Color Fidelity by Sample



Otello 6 HD VariWhite +, Maximum Zoom, 2.700K

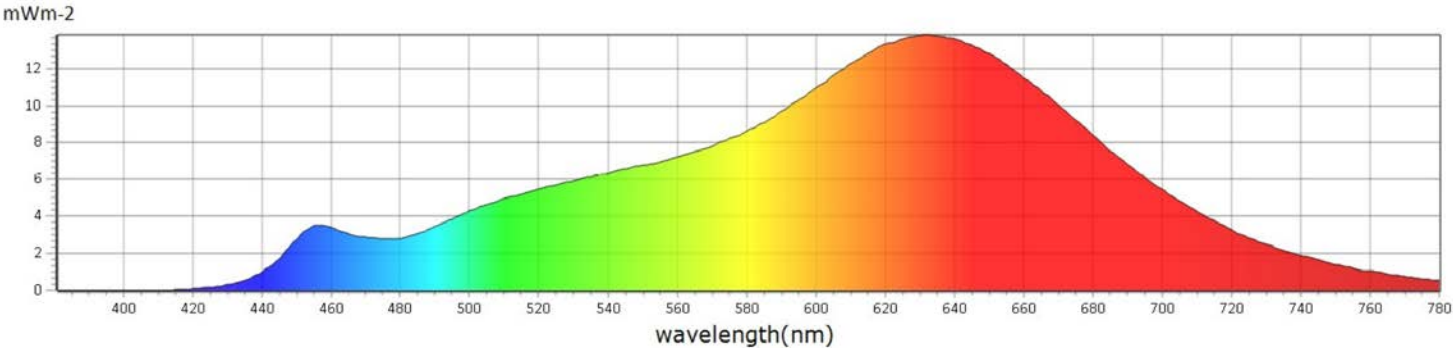
Measurements taken at 4.3 meters

General	
● CCT	2603 K
● x	0,4688
● y	0,4137
● LambdaD	585 nm
● LambdaP	631 nm

Measurements

CCT : 2603 K	x10 : 0,4737	delta-x : 0,0008	LambdaD : 585 nm	PPFD : 10,01 $\mu\text{molm}^{-2}\text{s}^{-1}$	S/P : 1,31	R3 : 98,5	R10 : 96,9
LUX : 576,2 lx	y10 : 0,4135	delta-y : 0,0015	LambdaP : 631 nm	PFD : 11,08 $\mu\text{molm}^{-2}\text{s}^{-1}$	IRR : 2,184	R4 : 98,0	R11 : 95,0
I-Time : 18000 us	u'10 : 0,2701	delta-u' : -0,0001	Purity : 64,64%	PFD-B : 0,7572 $\mu\text{molm}^{-2}\text{s}^{-1}$	CQS : 93,4	R5 : 97,9	R12 : 89,3
x : 0,4688	v'10 : 0,5305	delta-v' : 0,0007	fc : 53,55	PFD-G : 3,311 $\mu\text{molm}^{-2}\text{s}^{-1}$	CRI : 96,4	R6 : 94,1	R13 : 98,3
y : 0,4137	X : 652,93	Duv : 0,0005	Rf : 92,9	PFD-R : 5,946 $\mu\text{molm}^{-2}\text{s}^{-1}$	TLCI : 95,8	R7 : 94,4	R14 : 98,9
u' : 0,2669	Y : 576,22	MEL : 284,9 lx	Rg : 97,9	PFD-UV : 0,0000 $\mu\text{molm}^{-2}\text{s}^{-1}$	R1 : 99,0	R8 : 91,4	R15 : 96,5
v' : 0,5299	Z : 163,65	LambdaPV : 13,83	GAI : 43,7	PFD-FR : 1,069 $\mu\text{molm}^{-2}\text{s}^{-1}$	R2 : 98,2	R9 : 82,9	

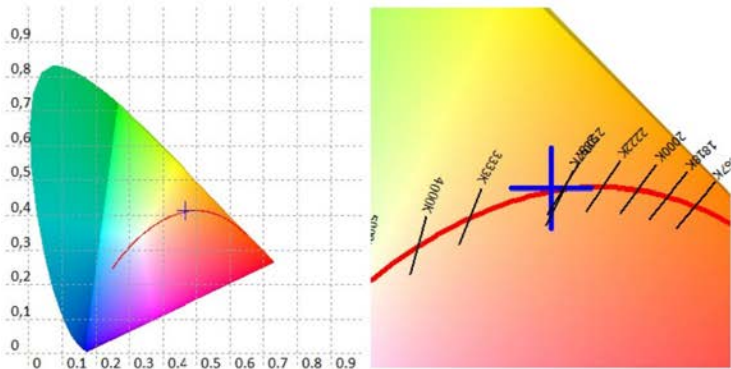
Spectrum



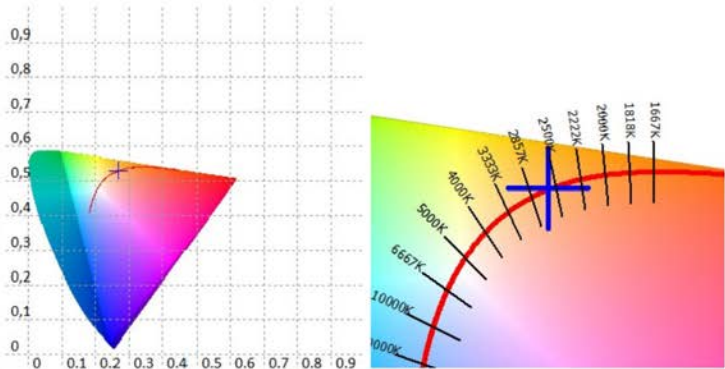
Otello 6 HD VariWhite +, Maximum Zoom, 2.700K

Measurements taken at 4.3 meters

CIE 1931



CIE 1976



CRI values, only R1-R8 are used to calculate final CRI

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,0	98,2	98,5	98,0	97,9	94,1	94,4	91,4	82,9	96,9	95,0	89,3	98,3	98,9	96,5

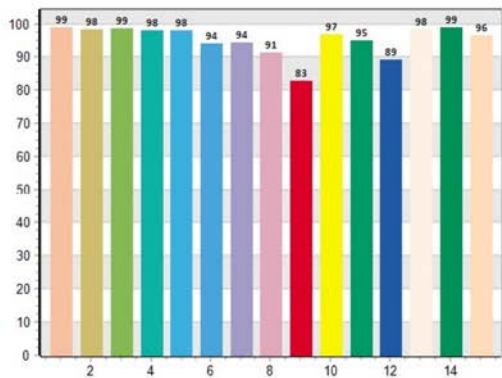
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,1	96,8	95,3	89,1	93,6	93,6	91,3	93,0	91,1	92,1	93,3	90,1	89,3	90,0	90,6	89,0

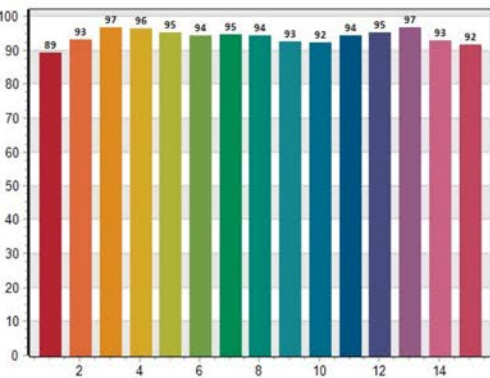
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
89,4	93,0	96,7	96,3	95,3	94,3	94,5	94,3	92,6	92,3	94,2	95,2	96,6	92,9	91,7

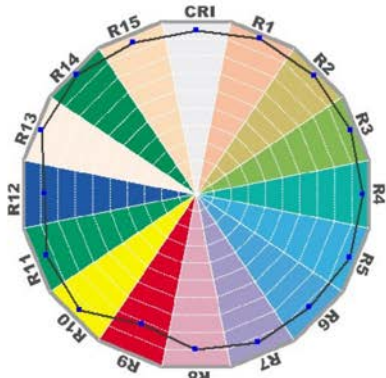
CRI: 96.44



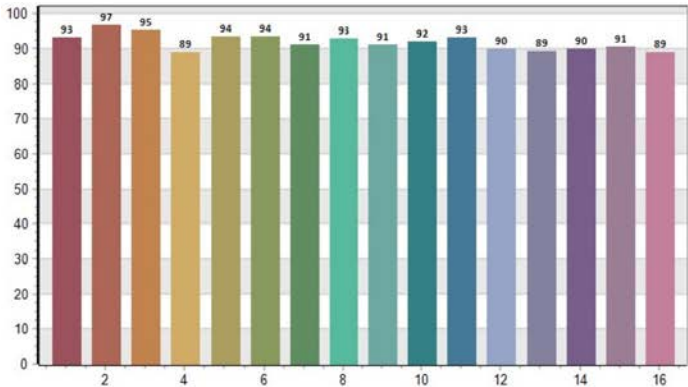
CQS: 93.41



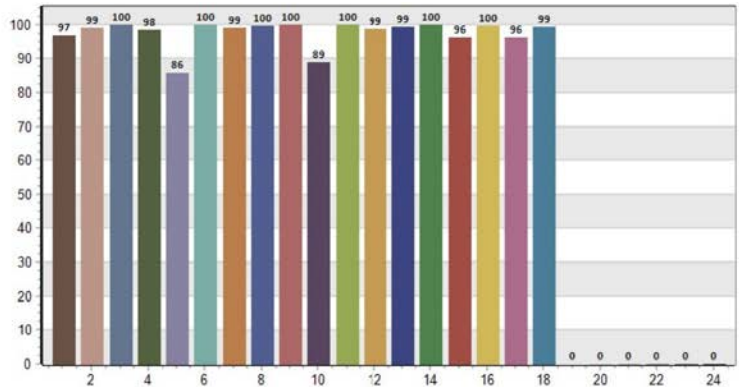
CRI-2



TM30: 92.91



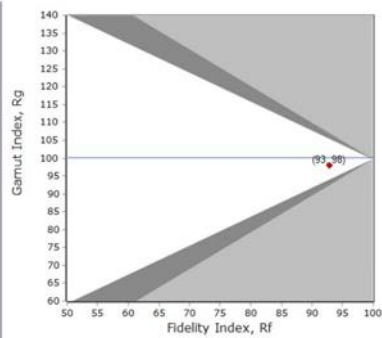
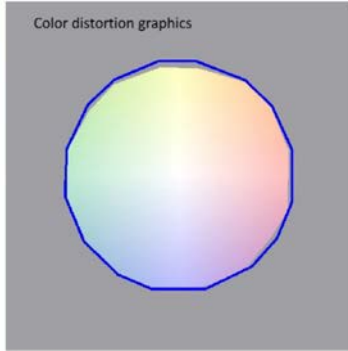
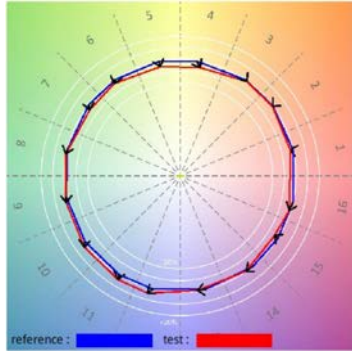
TLCI: 95.82



Otello 6 HD VariWhite +, Maximum Zoom, 2.700K

Measurements taken at 4.3 meters

General Color Rendition

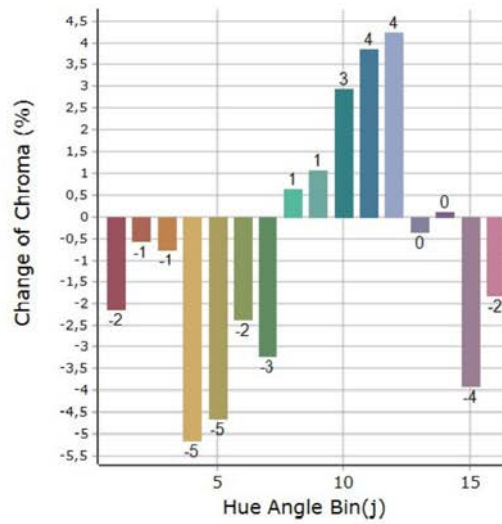
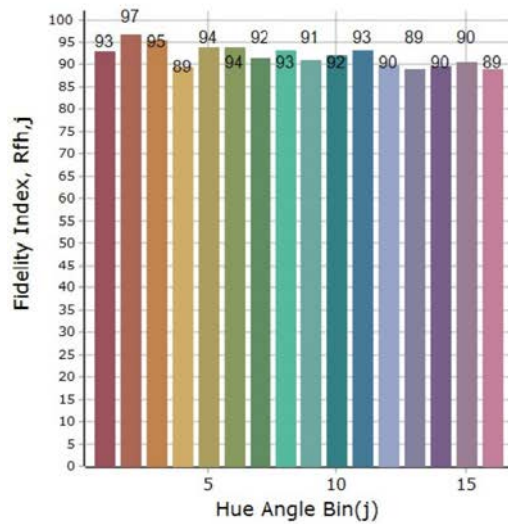
**Rf 92,9**

Fidelity index Rf

Rg 98,1

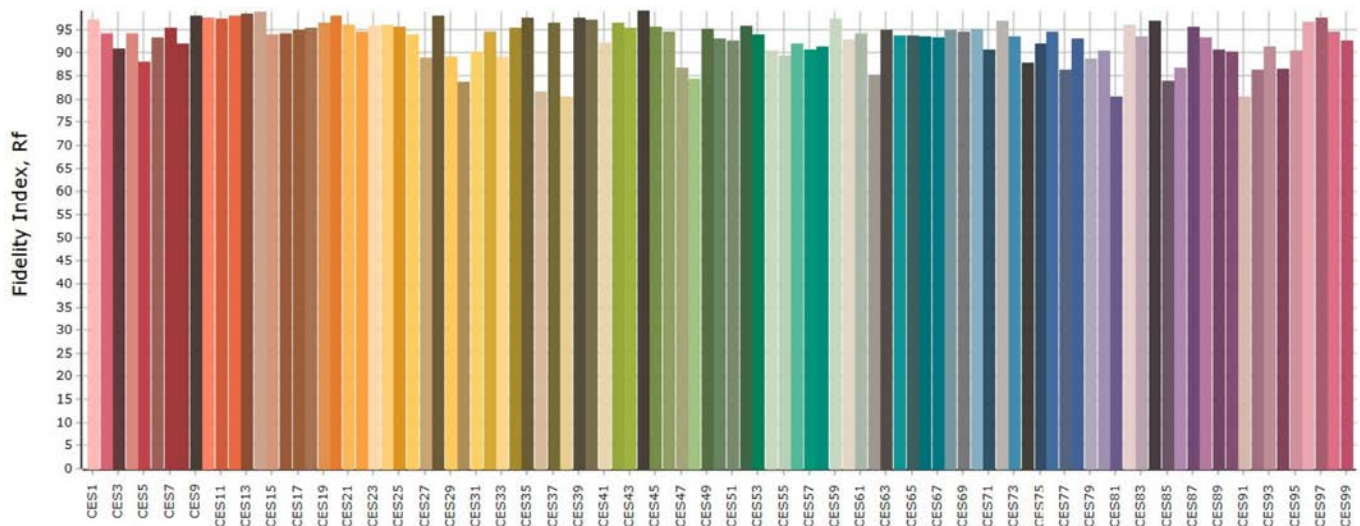
Gamut index Rg

Color Rendition by Hue



		Graphic shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	92,9	-2,1%	1,5%
2	96,6	-0,5%	0,0%
3	95,5	-0,8%	-1,2%
4	89,4	-5,1%	-4,1%
5	93,8	-4,6%	-0,6%
6	93,8	-2,4%	2,9%
7	91,6	-3,2%	3,6%
8	93,2	0,6%	4,4%
9	91,0	1,1%	4,6%
10	91,9	2,9%	4,0%
11	93,1	3,8%	1,5%
12	89,9	4,2%	-4,2%
13	89,0	-0,3%	-7,7%
14	89,7	0,1%	-7,4%
15	90,5	-3,9%	0,2%
16	88,8	-1,8%	-7,4%

Color Fidelity by Sample



Otello 6 HD VariWhite +, Minimum Zoom, 3.200K

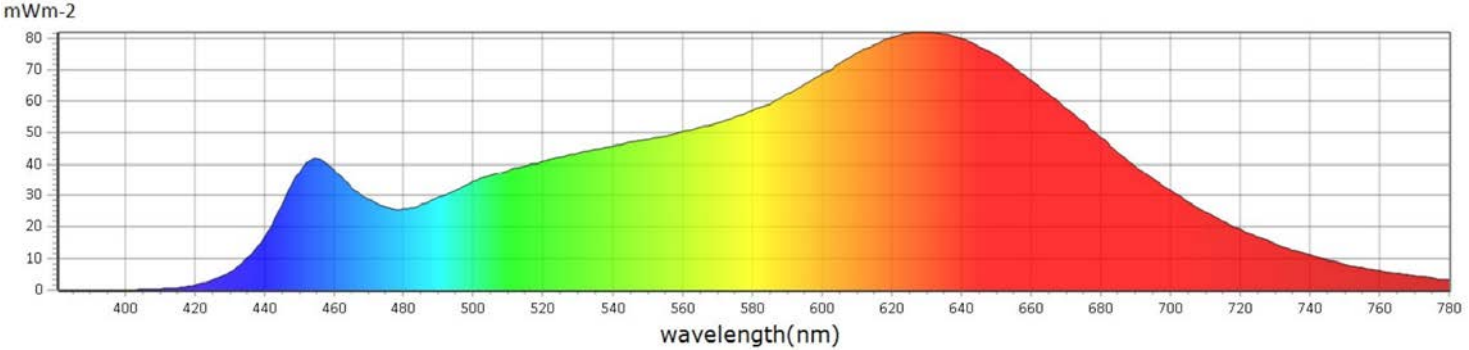
Measurements taken at 4.3 meters

General	
● CCT	3068 K
● x	0,4262
● y	0,3898
● LambdaD	584 nm
● LambdaP	627 nm

Measurements

CCT : 3068 K	x10 : 0,4298	delta-x : -0,0059	LambdaD : 584 nm	PPFD : 65,96 umolm-2s-1	S/P : 1,56	R3 : 97,7	R10 : 92,9
LUX : 3880 lx	y10 : 0,3904	delta-y : -0,0126	LambdaP : 627 nm	PFD : 72,22 umolm-2s-1	IRR : 14,53	R4 : 97,9	R11 : 94,5
I-Time : 3200 us	u'10 : 0,2519	delta-u' : 0,0016	Purity : 45,02%	PFD-B : 7,970 umolm-2s-1	CQS : 95,9	R5 : 96,1	R12 : 86,3
x : 0,4262	v'10 : 0,5148	delta-v' : -0,0060	fc : 360,6	PFD-G : 22,92 umolm-2s-1	CRI : 95,9	R6 : 92,3	R13 : 95,8
y : 0,3898	X : 4243,00	Duv : -0,0043	Rf : 94,7	PFD-R : 35,07 umolm-2s-1	TLCI : 97,3	R7 : 95,0	R14 : 99,1
u' : 0,2498	Y : 3879,97	MEL : 2437 lx	Rg : 101,4	PFD-UV : 0,0009 umolm-2s-1	R1 : 96,6	R8 : 95,2	R15 : 98,2
v' : 0,5140	Z : 1831,62	LambdaPV : 81,84	GAI : 66,5	PFD-FR : 6,253 umolm-2s-1	R2 : 96,2	R9 : 92,7	

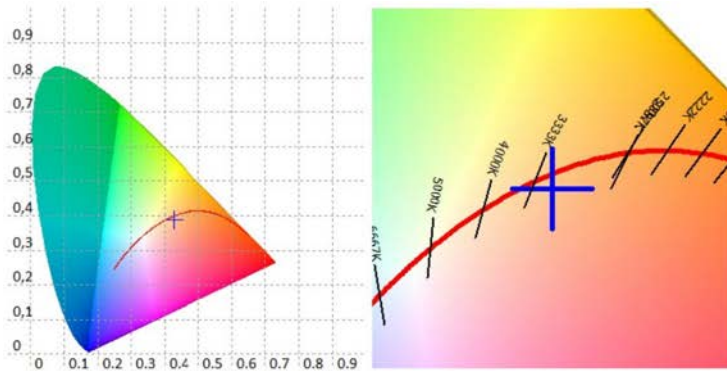
Spectrum



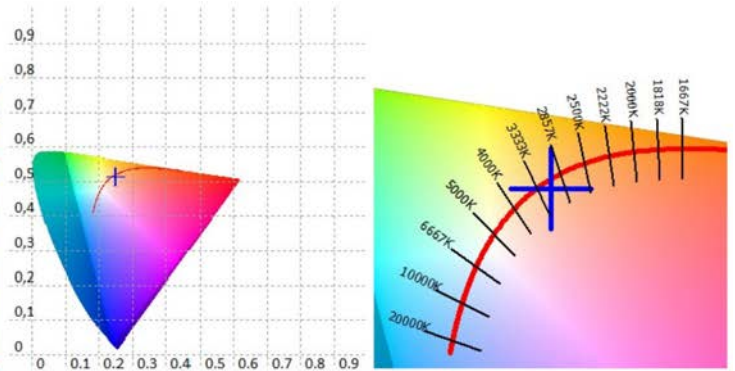
Otello 6 HD VariWhite +, Minimum Zoom, 3.200K

Measurements taken at 4.3 meters

CIE 1931



CIE 1976



CRI values, only R1-R8 are used to calculate final CRI

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,6	96,2	97,7	97,9	96,1	92,3	95,0	95,2	92,7	92,9	94,5	86,3	95,8	99,1	98,2

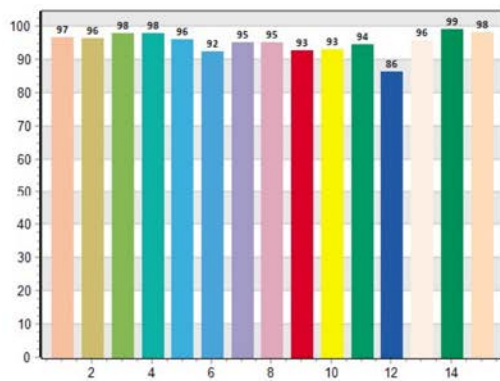
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,4	96,8	95,8	95,5	94,5	96,9	93,5	96,9	93,8	93,2	93,1	90,1	92,0	91,0	91,5	89,6

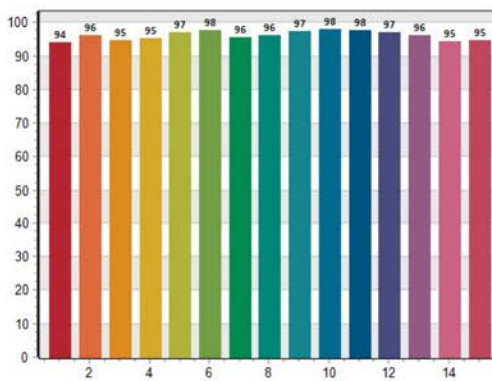
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,1	96,3	94,7	95,4	97,3	97,6	95,7	96,2	97,5	98,0	97,8	97,1	96,3	94,6	94,7

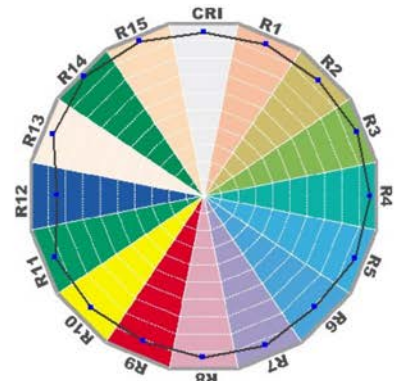
CRI: 95.87



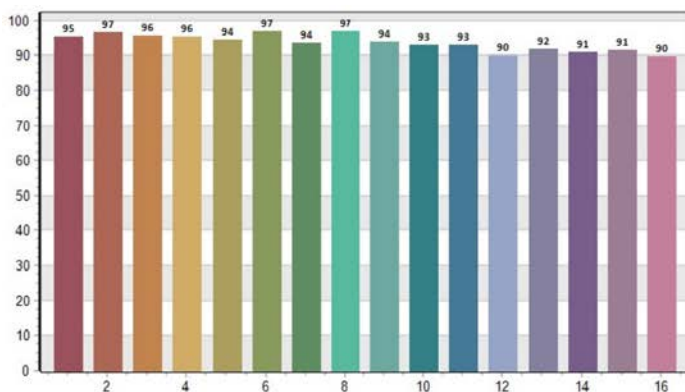
CQS: 95.89



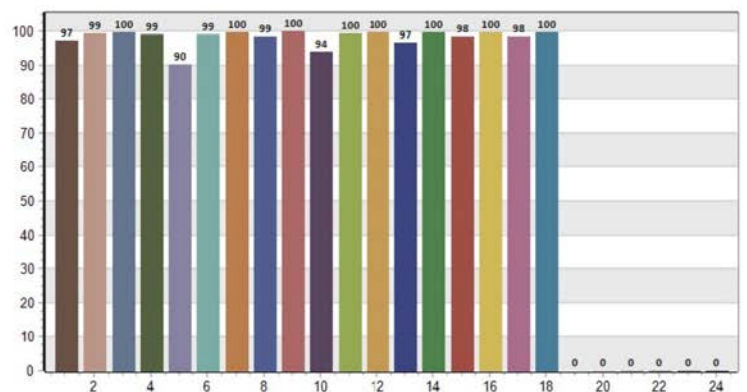
CRI-2



TM30: 94.71



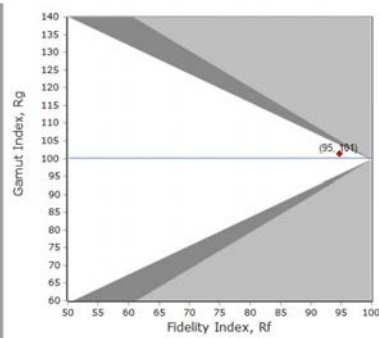
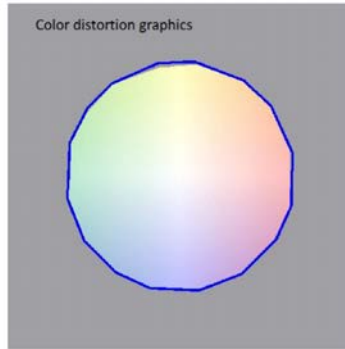
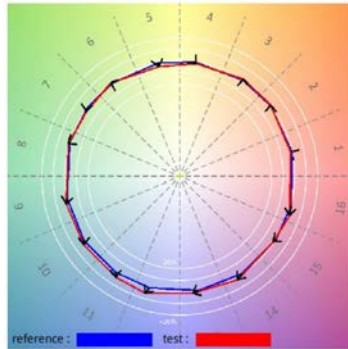
TLCI: 97.27



Otello 6 HD VariWhite +, Minimum Zoom, 3.200K

Measurements taken at 4.3 meters

General Color Rendition

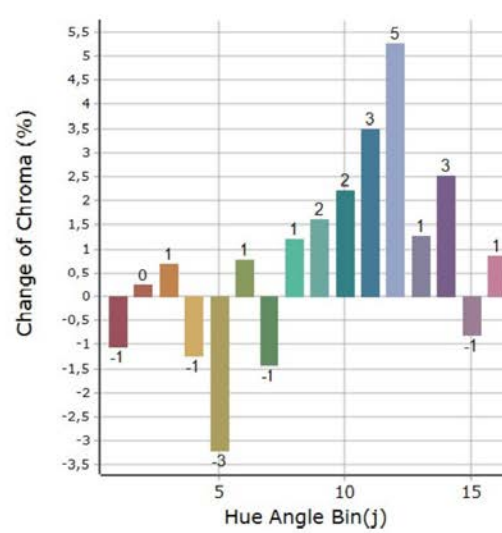
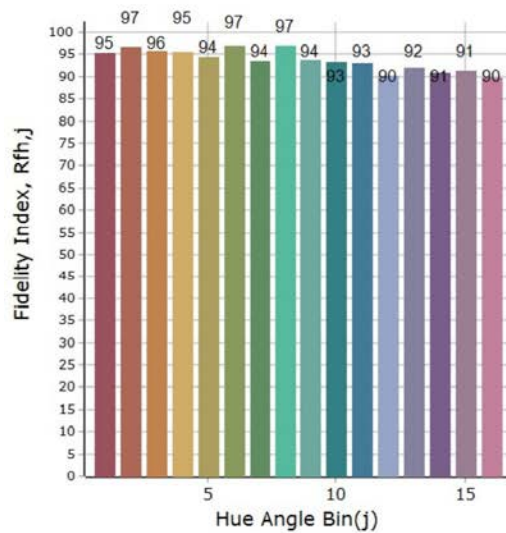
**Rf 94,7**

Fidelity index Rf

Rg 101,3

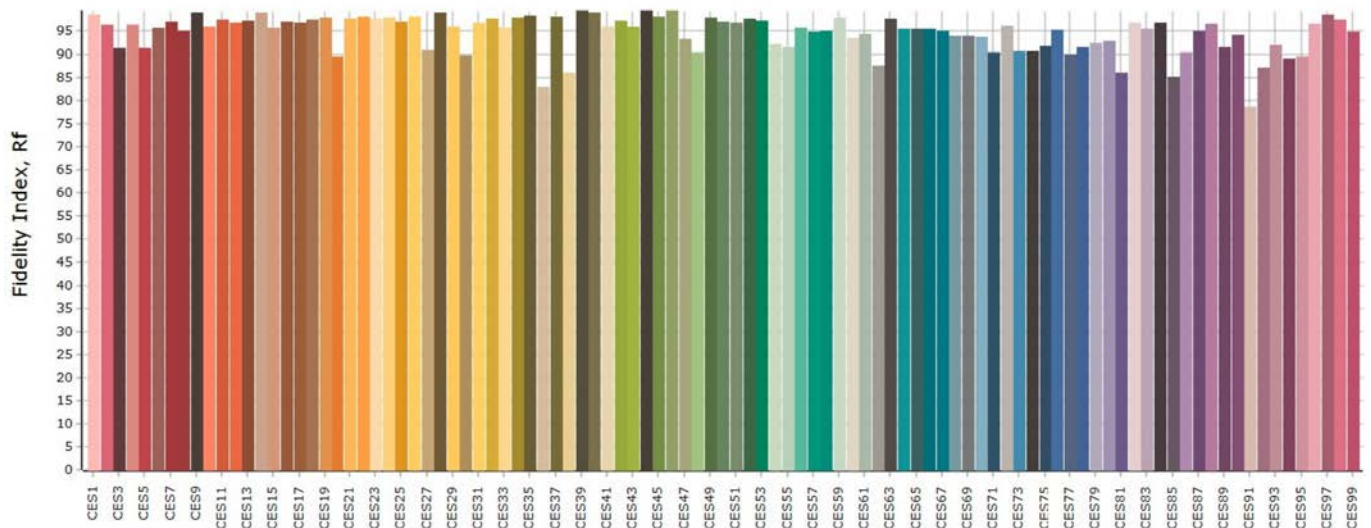
Gamut index Rg

Color Rendition by Hue



		Graphic shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	95,3	-1,0%	0,9%
2	96,8	0,2%	0,5%
3	95,8	0,7%	0,5%
4	95,4	-1,2%	-1,7%
5	94,4	-3,2%	-0,3%
6	96,9	0,8%	0,8%
7	93,5	-1,4%	2,3%
8	96,9	1,2%	1,1%
9	93,8	1,6%	4,1%
10	93,1	2,2%	3,1%
11	93,0	3,5%	2,6%
12	90,1	5,3%	-2,8%
13	92,0	1,3%	-5,4%
14	90,9	2,5%	-5,9%
15	91,4	-0,8%	-2,5%
16	89,6	0,9%	-8,3%

Color Fidelity by Sample



Otello 6 HD VariWhite +, Maximum Zoom, 3.200K

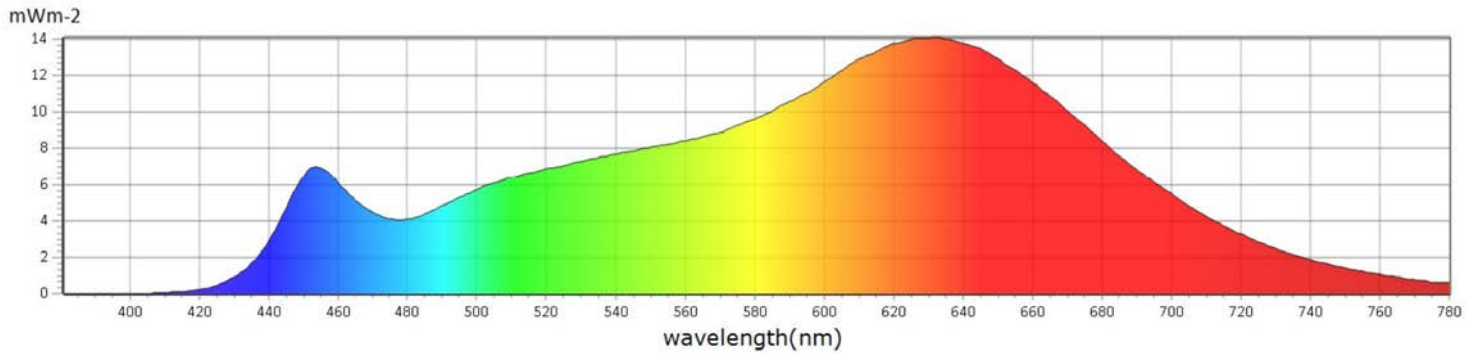
Measurements taken at 4.3 meters

General	
● CCT	3007 K
● x	0,4299
● y	0,3905
● LambdaD	585 nm
● LambdaP	631 nm

Measurements

CCT : 3007 K	x10 : 0,4334	delta-x : -0,0065	LambdaD : 585 nm	PPFD : 11,22 umolm-2s-1	S/P : 1,53	R3 : 97,9	R10 : 92,7
LUX : 655,4 lx	y10 : 0,3909	delta-y : -0,0134	LambdaP : 631 nm	PFD : 12,29 umolm-2s-1	IRR : 2,468	R4 : 97,1	R11 : 93,4
I-Time : 18000 us	u'10 : 0,2540	delta-u' : 0,0016	Purity : 46,06%	PFD-B : 1,304 umolm-2s-1	CQS : 95,8	R5 : 95,7	R12 : 86,8
x : 0,4299	v'10 : 0,5156	delta-v' : -0,0064	fc : 60,91	PFD-G : 3,858 umolm-2s-1	CRI : 95,8	R6 : 92,1	R13 : 95,5
y : 0,3905	X : 721,52	Duv : -0,0045	Rf : 95,0	PFD-R : 6,061 umolm-2s-1	TLCI : 97,1	R7 : 95,2	R14 : 99,1
u' : 0,2519	Y : 655,41	MEL : 402,8 lx	Rg : 102,0	PFD-UV : 0,0002 umolm-2s-1	R1 : 96,4	R8 : 95,6	R15 : 98,1
v' : 0,5149	Z : 301,36	LambdaPV : 14,11	GAI : 65,7	PFD-FR : 1,071 umolm-2s-1	R2 : 96,1	R9 : 93,3	

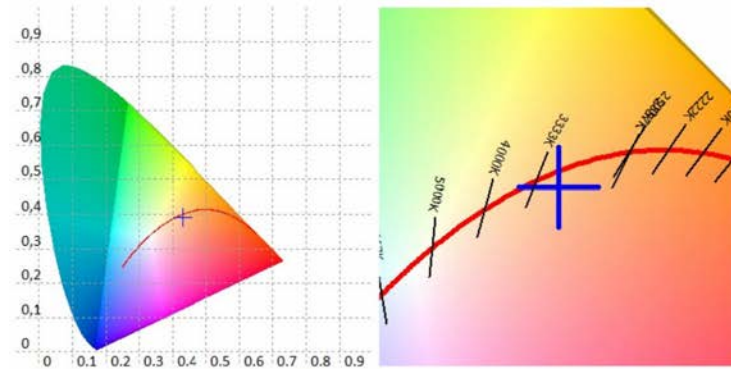
Spectrum



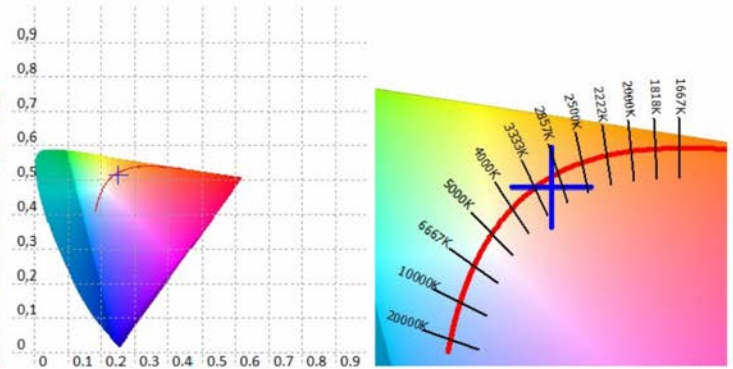
Otello 6 HD VariWhite +, Maximum Zoom, 3.200K

Measurements taken at 4.3 meters

CIE 1931



CIE 1976



CRI values, only R1-R8 are used to calculate final CRI

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,4	96,1	97,9	97,1	95,7	92,1	95,2	95,6	93,3	92,7	93,4	86,8	95,5	99,1	98,1

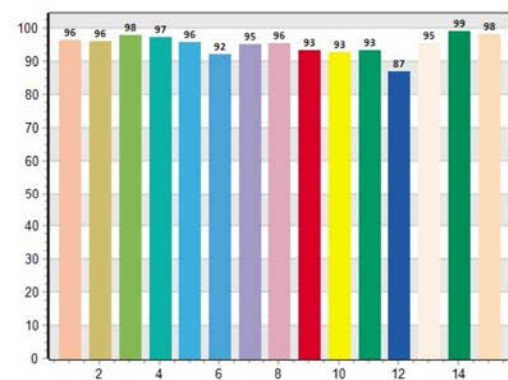
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,9	96,9	95,6	96,4	94,6	96,2	93,9	96,6	95,0	94,3	93,5	91,1	92,2	91,1	91,9	89,7

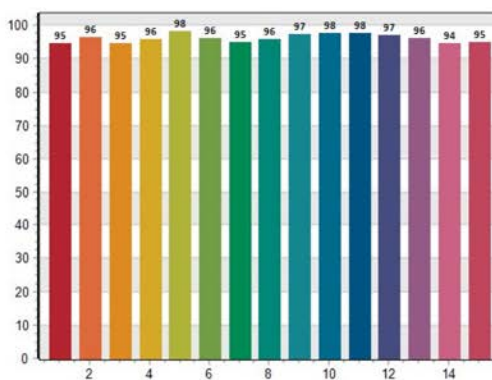
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,6	96,4	94,5	95,9	98,2	96,2	94,9	95,9	97,4	97,8	97,7	97,0	96,2	94,5	95,0

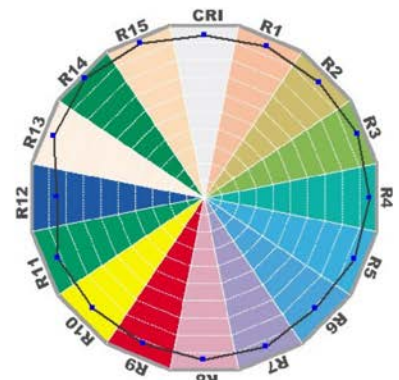
CRI: 95.76



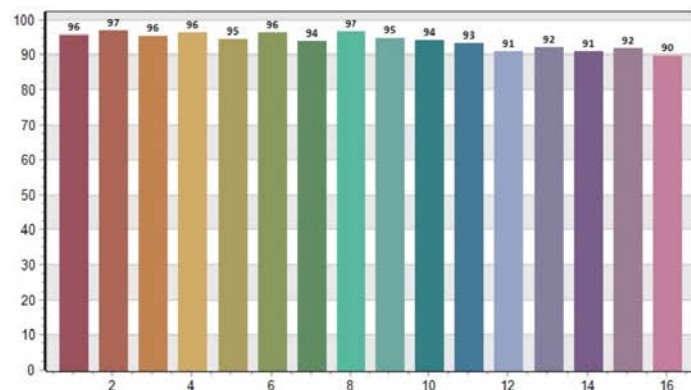
CQS: 95.85



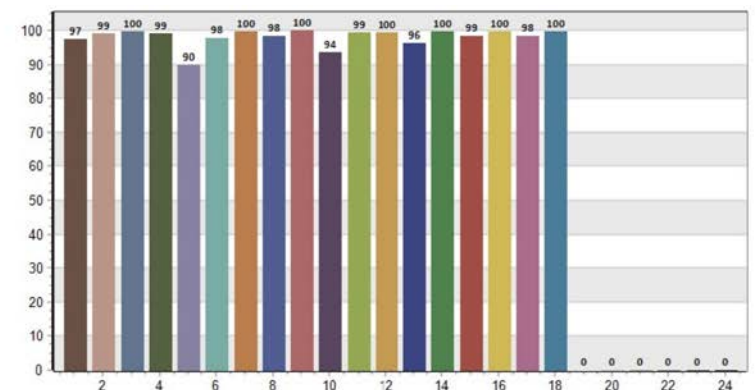
CRI-2



TM30: 95.02



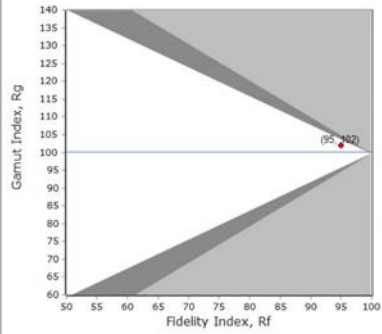
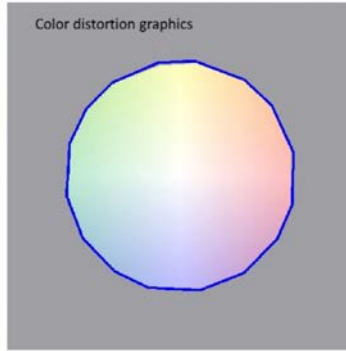
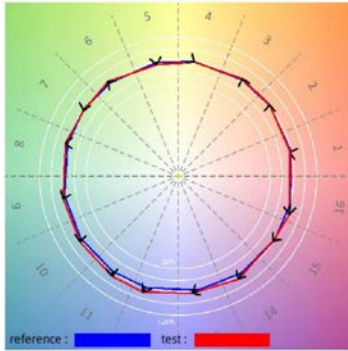
TLCI: 97.12



Otello 6 HD VariWhite +, Maximum Zoom, 3.200K

Measurements taken at 4.3 meters

General Color Rendition

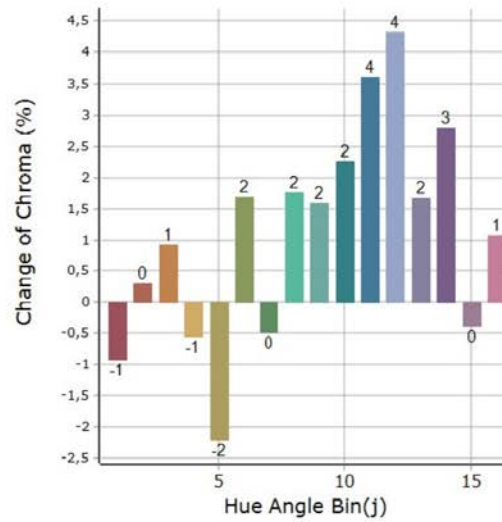
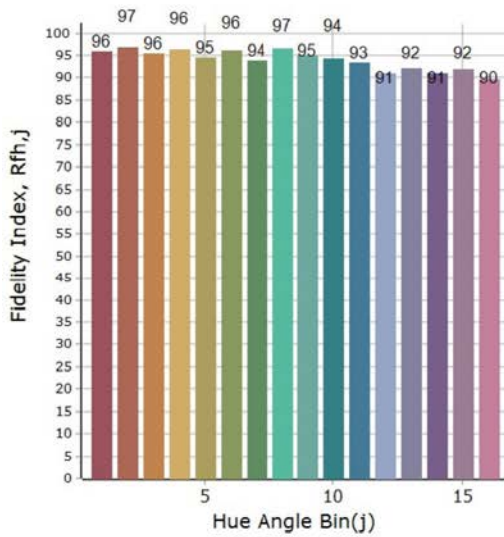
**Rf 95,0**

Fidelity index Rf

Rg 102,0

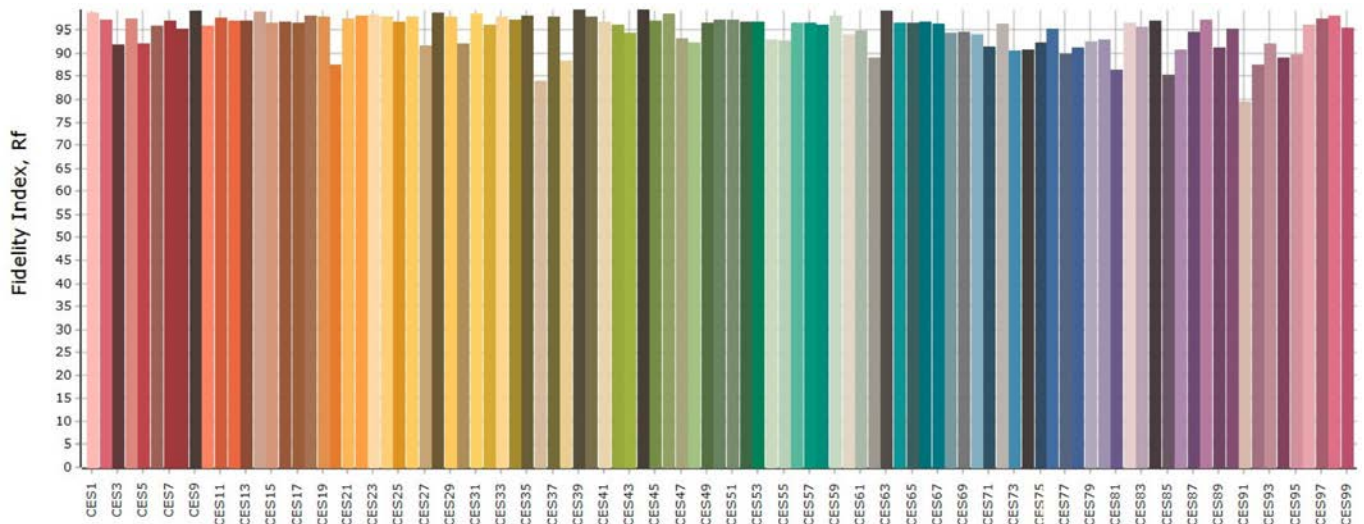
Gamut index Rg

Color Rendition by Hue



		Graphic shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	95,8	-0,9%	0,6%
2	96,9	0,3%	0,6%
3	95,5	0,9%	0,9%
4	96,5	-0,6%	-1,2%
5	94,6	-2,2%	0,2%
6	96,1	1,7%	0,7%
7	93,9	-0,5%	1,6%
8	96,7	1,8%	0,3%
9	95,0	1,6%	2,4%
10	94,3	2,3%	2,5%
11	93,4	3,6%	2,7%
12	91,0	4,3%	-1,9%
13	92,1	1,7%	-5,2%
14	91,0	2,8%	-5,8%
15	92,0	-0,4%	-2,7%
16	89,7	1,1%	-8,3%

Color Fidelity by Sample



Otello 6 HD VariWhite +, Minimum Zoom, 4.000K

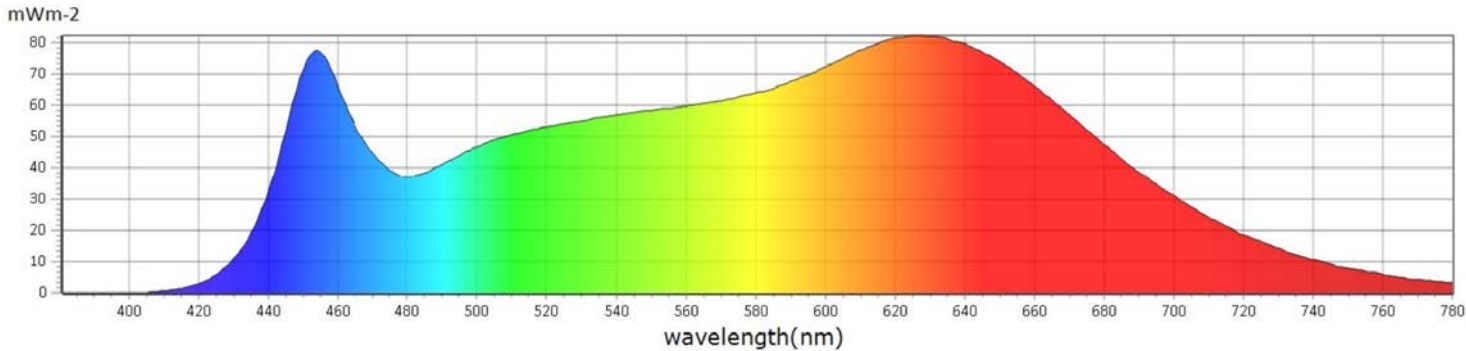
Measurements taken at 4.3 meters

General	
● CCT	3801 K
● x	0,3839
● y	0,3639
● LambdaD	584 nm
● LambdaP	625 nm

Measurements

CCT : 3801 K	x10 : 0,3866	delta-x : -0,0057	LambdaD : 584 nm	PPFD : 75,36 umolm-2s-1	S/P : 1,85	R3 : 98,4	R10 : 91,4
LUX : 4489 lx	y10 : 0,3658	delta-y : -0,0184	LambdaP : 625 nm	PFD : 81,43 umolm-2s-1	IRR : 16,78	R4 : 96,7	R11 : 93,7
I-Time : 2800 us	u'10 : 0,2337	delta-u' : 0,0038	Purity : 24,48%	PFD-B : 13,02 umolm-2s-1	CQS : 96,7	R5 : 94,6	R12 : 83,1
x : 0,3839	v'10 : 0,4976	delta-v' : -0,0090	fc : 417,2	PFD-G : 27,24 umolm-2s-1	CRI : 95,8	R6 : 92,1	R13 : 93,8
y : 0,3639	X : 4736,20	Duv : -0,0071	Rf : 94,1	PFD-R : 35,10 umolm-2s-1	TLCI : 97,8	R7 : 96,6	R14 : 98,8
u' : 0,2327	Y : 4489,43	MEL : 3505 lx	Rg : 102,1	PFD-UV : 0,0003 umolm-2s-1	R1 : 94,3	R8 : 98,3	R15 : 93,8
v' : 0,4963	Z : 3110,90	LambdaPV : 82,26	GAI : 85,1	PFD-FR : 6,070 umolm-2s-1	R2 : 95,1	R9 : 94,0	

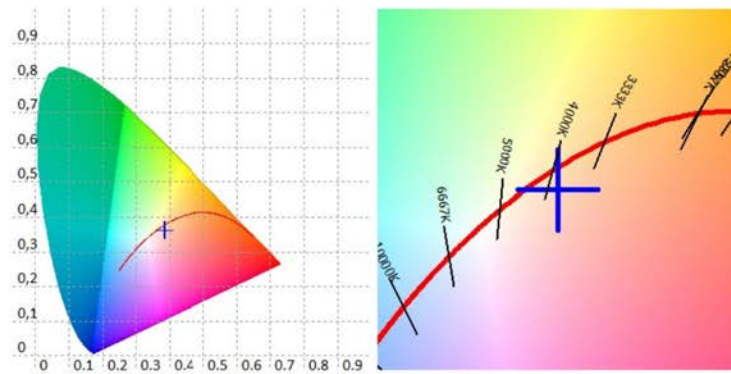
Spectrum



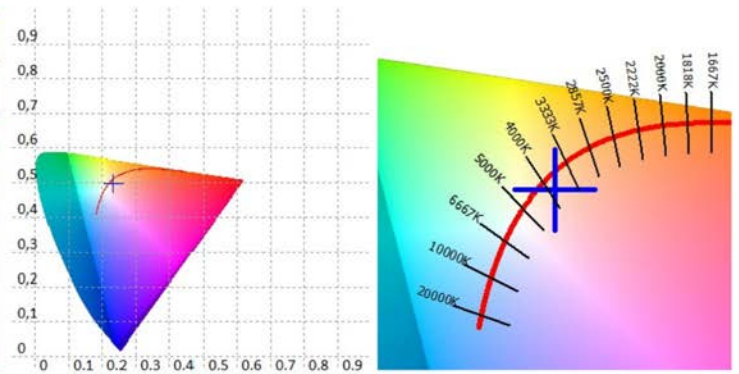
Otello 6 HD VariWhite +, Minimum Zoom, 4.000K

Measurements taken at 4.3 meters

CIE 1931



CIE 1976



CRI values, only R1-R8 are used to calculate final CRI

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,3	95,1	98,4	96,7	94,6	92,1	96,6	98,3	94,0	91,4	93,7	83,1	93,8	98,8	93,8

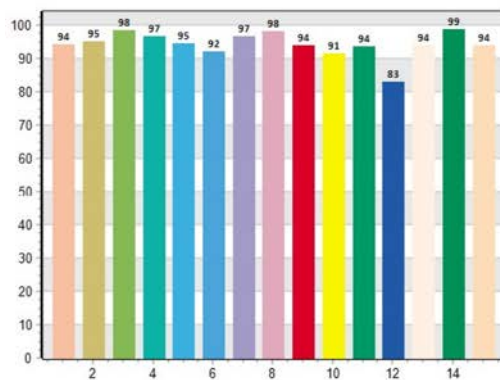
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,0	95,6	95,9	94,9	93,8	96,4	95,1	93,0	91,4	92,9	89,5	90,9	94,6	92,0	91,4	90,0

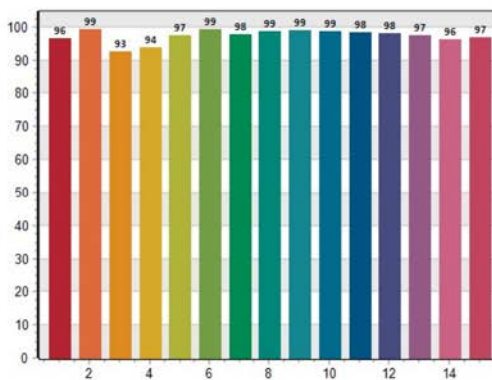
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,4	99,3	92,6	93,7	97,3	99,2	97,6	98,8	98,9	98,6	98,3	98,0	97,5	96,3	96,7

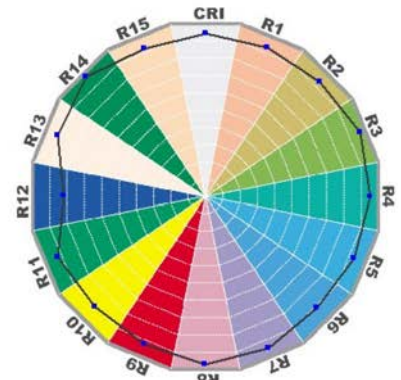
CRI: 95.77



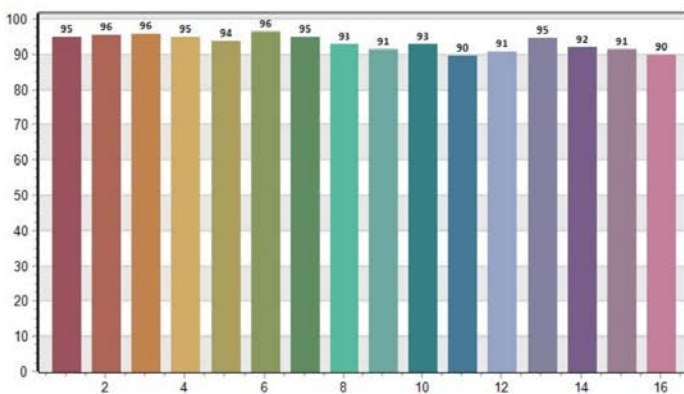
CQS: 96.70



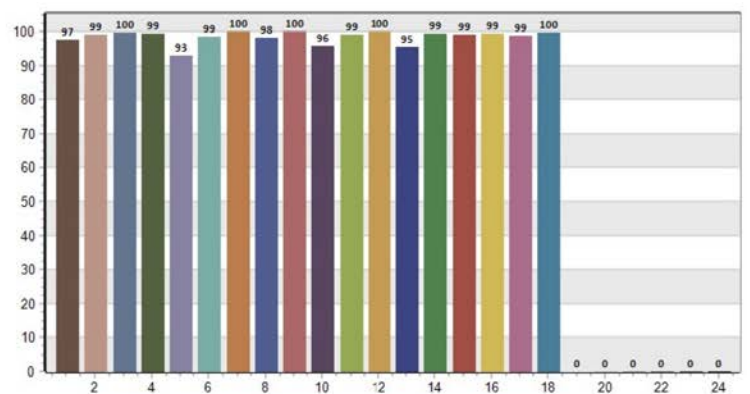
CRI-2



TM30: 94.08



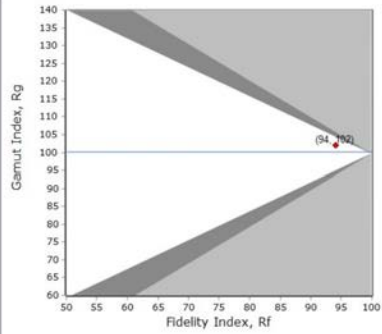
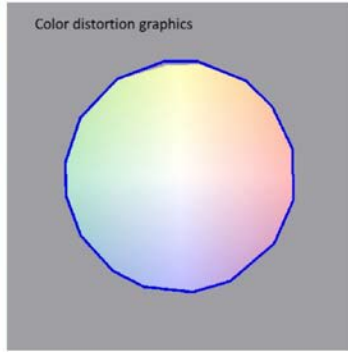
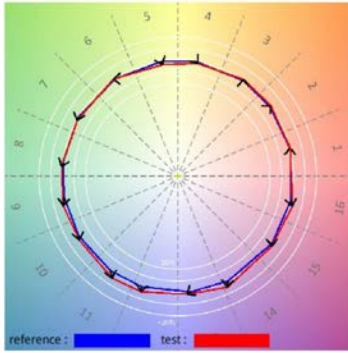
TLCI: 97.78



Otello 6 HD VariWhite +, Minimum Zoom, 4.000K

Measurements taken at 4.3 meters

General Color Rendition

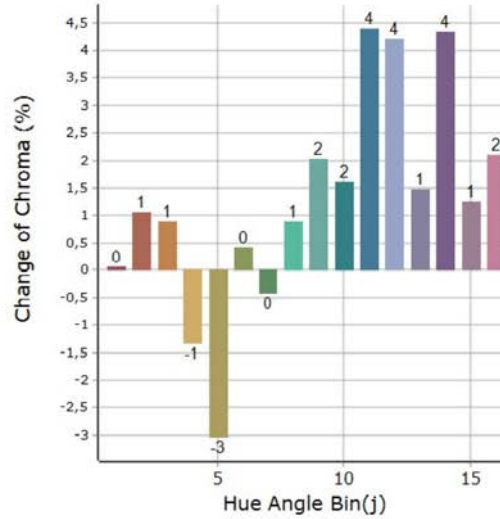
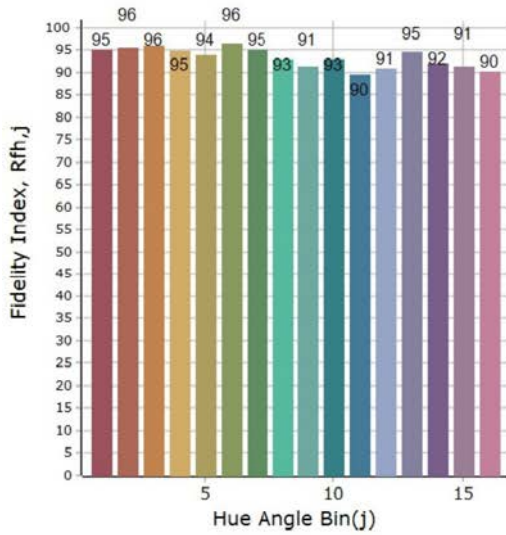
**Rf 94,1**

Fidelity index Rf

Rg 102,1

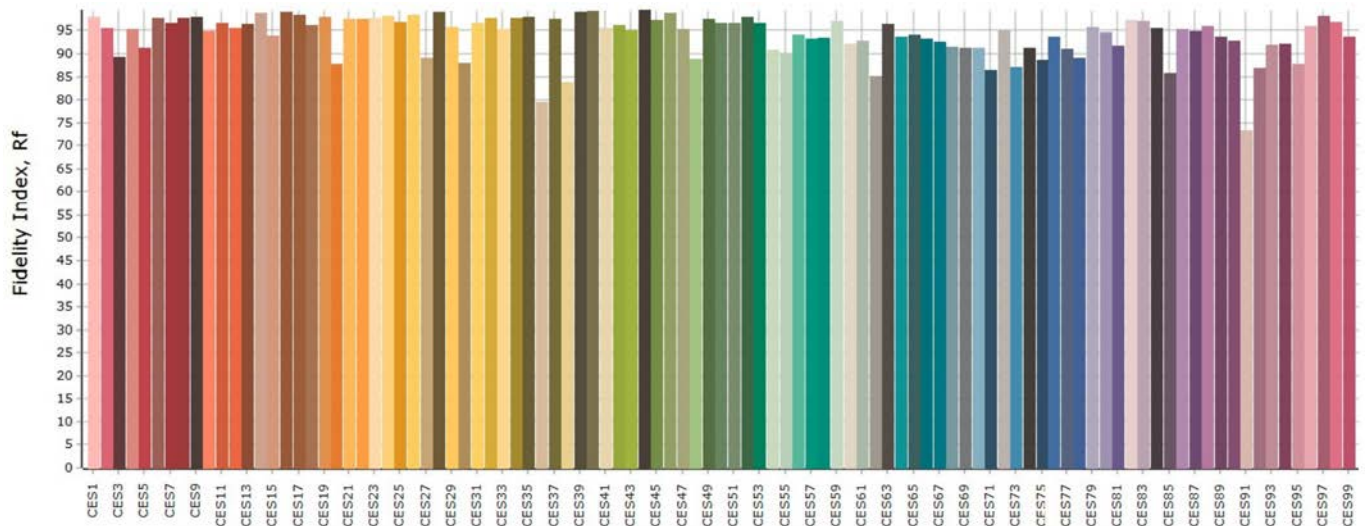
Gamut index Rg

Color Rendition by Hue



		Graphic shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	95,0	0,1%	0,7%
2	95,6	1,1%	0,3%
3	95,9	0,9%	0,4%
4	94,9	-1,3%	-1,5%
5	93,8	-3,0%	-0,8%
6	96,4	0,4%	1,0%
7	95,1	-0,4%	2,2%
8	93,0	0,9%	2,9%
9	91,4	2,0%	7,4%
10	92,9	1,6%	3,7%
11	89,5	4,4%	4,8%
12	90,9	4,2%	0,3%
13	94,6	1,5%	-3,1%
14	92,0	4,3%	-3,2%
15	91,4	1,2%	-1,9%
16	90,1	2,1%	-5,0%

Color Fidelity by Sample



Otello 6 HD VariWhite +, Maximum Zoom, 4.000K

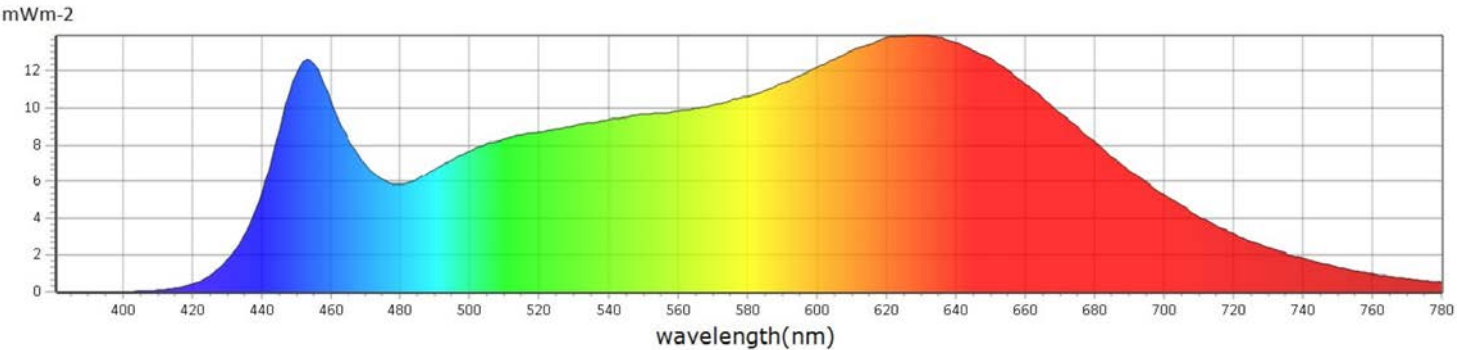
Measurements taken at 4.3 meters

General	
● CCT	3689 K
● x	0,3886
● y	0,3656
● LambdaD	585 nm
● LambdaP	626 nm

Measurements

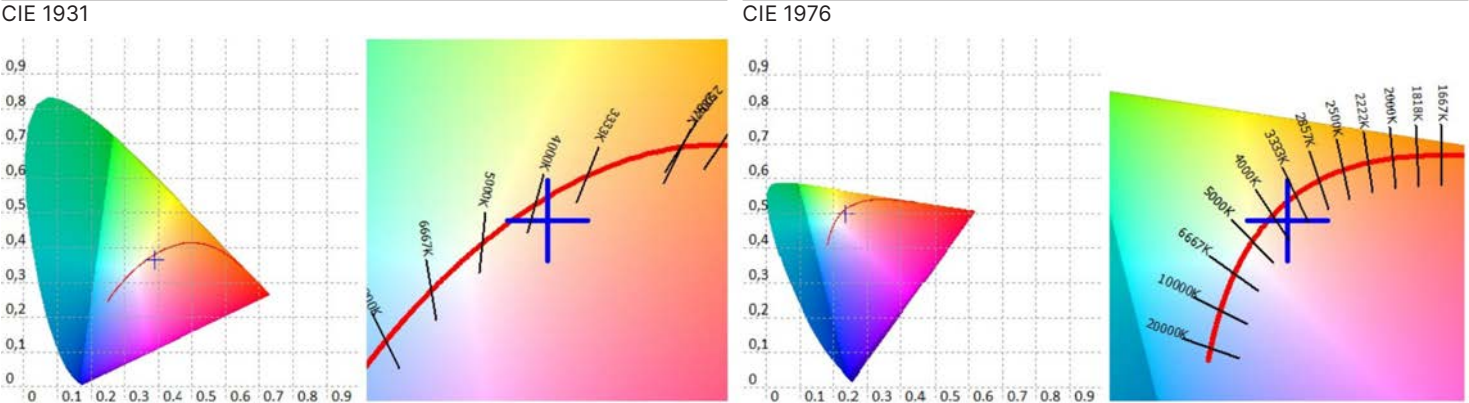
CCT : 3689 K	x10 : 0,3912	delta-x : -0,0066	LambdaD : 585 nm	PPFD : 12,57 $\mu\text{mol/m}^2\text{s}^{-1}$	S/P : 1,81	R3 : 98,3	R10 : 91,0
LUX : 745,2 lx	y10 : 0,3672	delta-y : -0,0198	LambdaP : 626 nm	PFD : 13,60 $\mu\text{mol/m}^2\text{s}^{-1}$	IRR : 2,794	R4 : 96,0	R11 : 92,7
I-Time : 16000 us	u'10 : 0,2362	delta-u' : 0,0038	Purity : 26,27%	PFD-B : 2,091 $\mu\text{mol/m}^2\text{s}^{-1}$	CQS : 96,8	R5 : 94,3	R12 : 83,9
x : 0,3886	v'10 : 0,4989	delta-v' : -0,0097	fc : 69,26	PFD-G : 4,507 $\mu\text{mol/m}^2\text{s}^{-1}$	CRI : 95,6	R6 : 91,7	R13 : 93,5
y : 0,3656	X : 792,01	Duv : -0,0075	Rf : 94,4	PFD-R : 5,976 $\mu\text{mol/m}^2\text{s}^{-1}$	TLCI : 97,7	R7 : 96,7	R14 : 98,8
u' : 0,2351	Y : 745,19	MEL : 567,5 lx	Rg : 102,6	PFD-UV : 0,0000 $\mu\text{mol/m}^2\text{s}^{-1}$	R1 : 94,1	R8 : 98,6	R15 : 93,8
v' : 0,4978	Z : 500,94	LambdaPV : 13,93	GAI : 84,2	PFD-FR : 1,029 $\mu\text{mol/m}^2\text{s}^{-1}$	R2 : 95,0	R9 : 94,0	

Spectrum



Otello 6 HD VariWhite +, Maximum Zoom, 4.000K

Measurements taken at 4.3 meters



CRI values, only R1-R8 are used to calculate final CRI

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,1	95,0	98,3	96,0	94,3	91,7	96,7	98,6	94,0	91,0	92,7	83,9	93,5	98,8	93,8

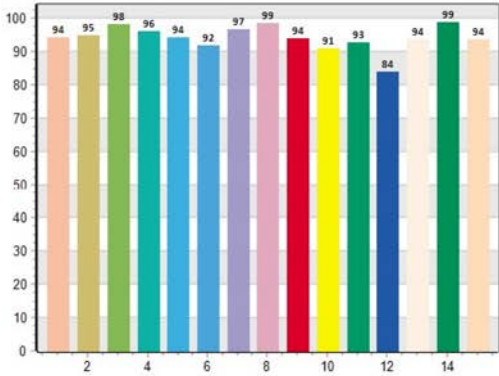
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,4	96,2	95,2	95,5	94,3	96,1	94,8	94,5	93,4	92,9	90,0	90,9	94,7	92,1	91,7	90,2

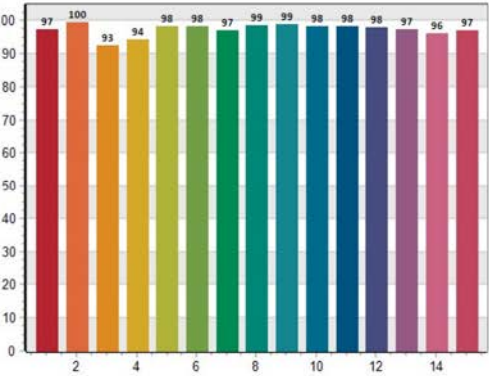
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,2	99,5	92,6	94,4	98,3	98,3	97,1	98,6	98,9	98,4	98,2	97,9	97,3	96,2	97,1

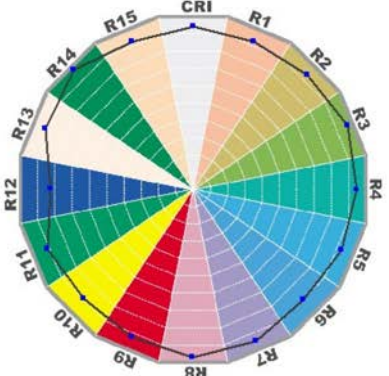
CRI: 95.59



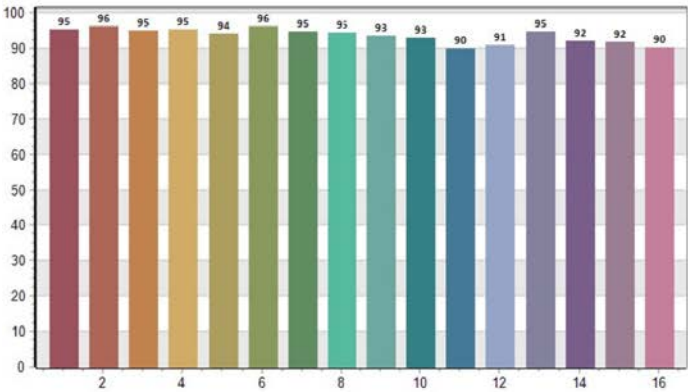
CQS: 96.82



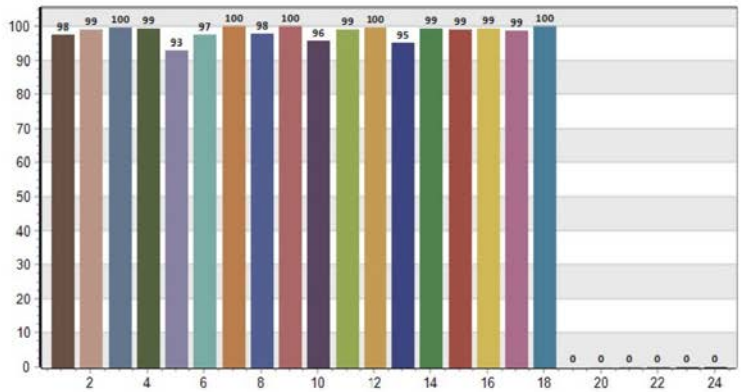
CRI-2



TM30: 94.40



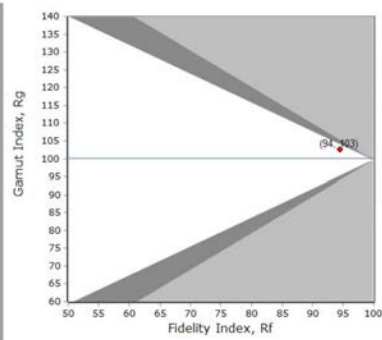
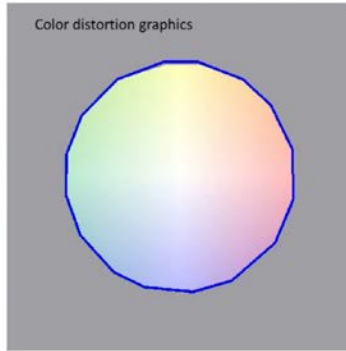
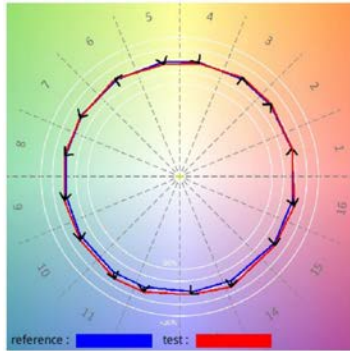
TLCI: 97.67



Otello 6 HD VariWhite +, Maximum Zoom, 4.000K

Measurements taken at 4.3 meters

General Color Rendition

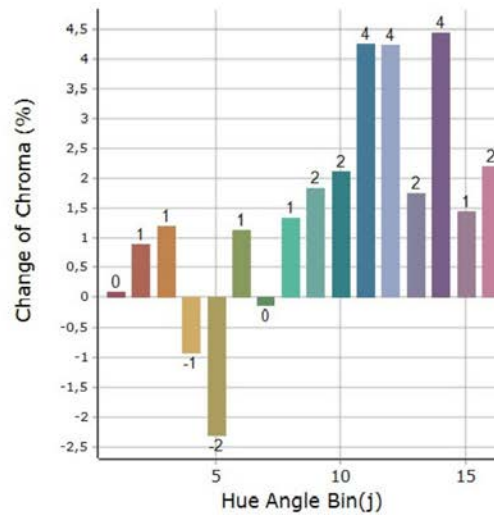
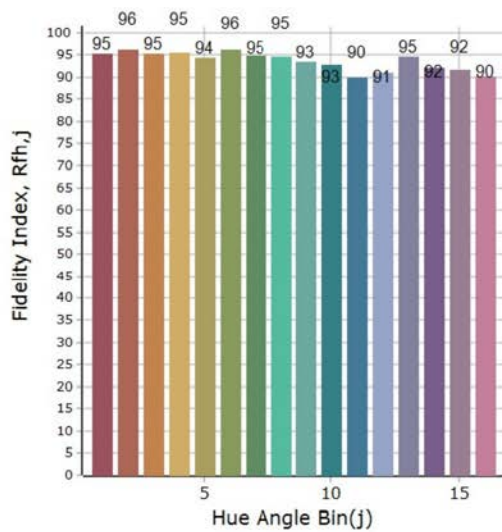
**Rf 94,4**

Fidelity index Rf

Rg 102,6

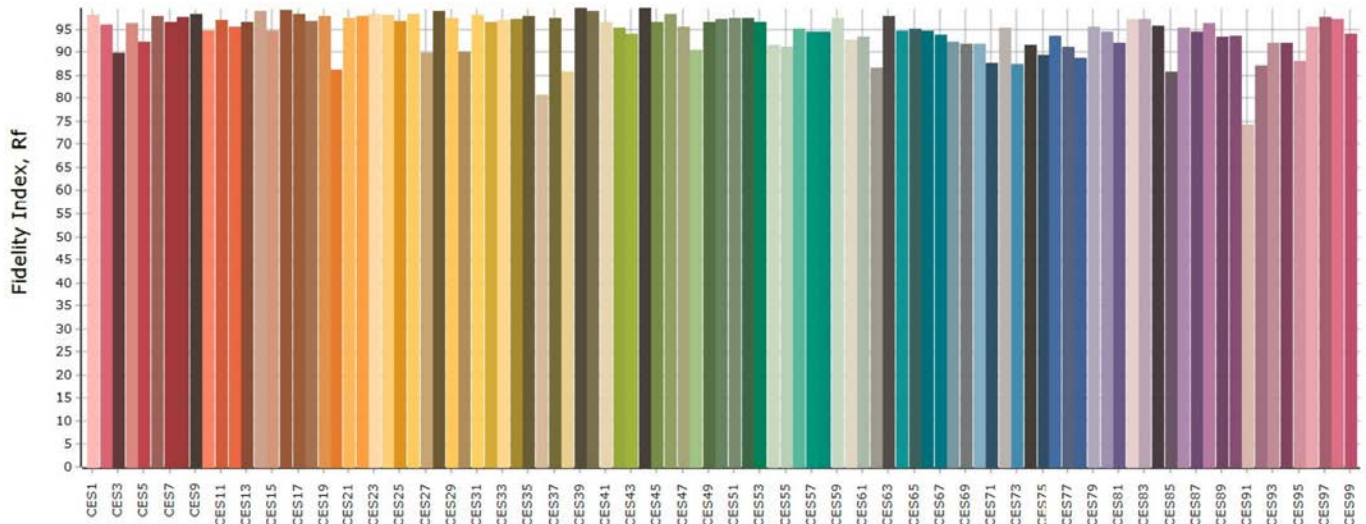
Gamut index Rg

Color Rendition by Hue



		Graphic shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	95,3	0,1%	0,6%
2	96,2	0,9%	0,3%
3	95,2	1,2%	0,7%
4	95,4	-0,9%	-1,2%
5	94,3	-2,3%	-0,4%
6	96,1	1,1%	1,0%
7	94,8	-0,1%	2,3%
8	94,5	1,4%	1,8%
9	93,4	1,9%	4,4%
10	92,8	2,1%	3,9%
11	90,0	4,2%	4,5%
12	90,9	4,2%	0,3%
13	94,7	1,8%	-2,9%
14	92,1	4,4%	-3,2%
15	91,7	1,4%	-2,0%
16	90,2	2,2%	-5,2%

Color Fidelity by Sample



Otello 6 HD VariWhite +, Minimum Zoom, 5.600K

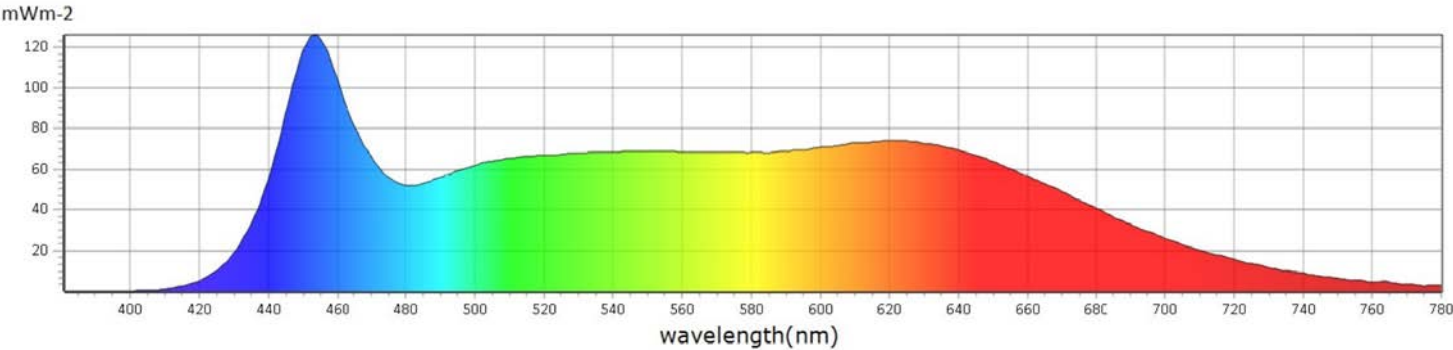
Measurements taken at 4.3 meters

General	
● CCT	5268 K
● x	0,3375
● y	0,3375
● LambdaD	585 nm
● LambdaP	452 nm

Measurements

CCT : 5268 K	x10 : 0,3399	delta-x : -0,0005	LambdaD : 585 nm	PPFD : 82,11 umolm-2s-1	S/P : 2,21	R3 : 97,9	R10 : 94,8
LUX : 4986 lx	y10 : 0,3391	delta-y : -0,0101	LambdaP : 452 nm	PFD : 87,17 umolm-2s-1	IRR : 18,54	R4 : 97,0	R11 : 94,5
I-Time : 1600 us	u'10 : 0,2128	delta-u' : 0,0036	Purity : 1,96%	PFD-B : 19,85 umolm-2s-1	CQS : 94,9	R5 : 95,7	R12 : 81,7
x : 0,3375	v'10 : 0,4777	delta-v' : -0,0052	fc : 463,4	PFD-G : 31,31 umolm-2s-1	CRI : 96,4	R6 : 93,3	R13 : 94,9
y : 0,3357	X : 5013,19	Duv : -0,0050	Rf : 93,6	PFD-R : 30,96 umolm-2s-1	TLCI : 98,2	R7 : 97,6	R14 : 98,3
u' : 0,2125	Y : 4986,14	MEL : 4850 lx	Rg : 102,1	PFD-UV : 0,0036 umolm-2s-1	R1 : 95,0	R8 : 98,6	R15 : 94,0
v' : 0,4755	Z : 4854,74	LambdaPV : 125,9	GAI : 97,4	PFD-FR : 5,055 umolm-2s-1	R2 : 96,4	R9 : 93,6	

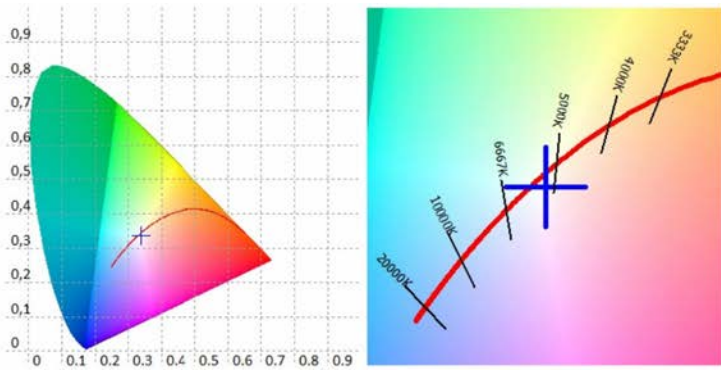
Spectrum



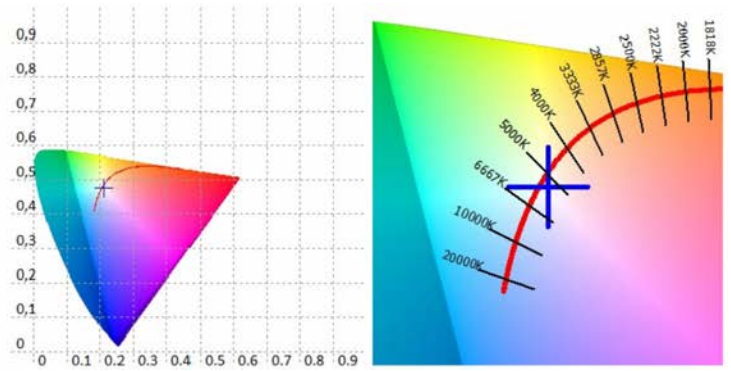
Otello 6 HD VariWhite +, Minimum Zoom, 5.600K

Measurements taken at 4.3 meters

CIE 1931



CIE 1976



CRI values, only R1-R8 are used to calculate final CRI

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,0	96,4	97,9	97,0	95,7	93,3	97,6	98,6	93,6	94,8	94,5	81,7	94,9	98,3	94,0

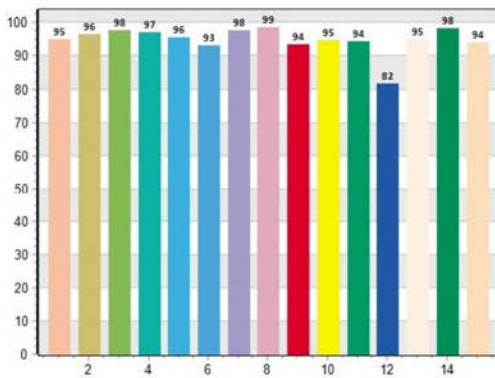
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,8	94,9	94,4	94,6	93,8	96,3	95,3	92,2	91,4	89,0	86,5	95,0	94,1	94,3	86,3	94,2

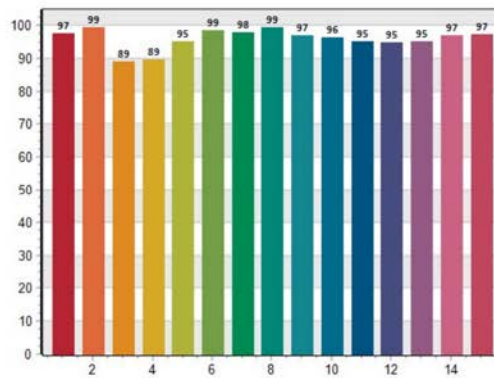
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,4	99,3	89,0	89,5	95,0	98,6	98,0	99,4	97,1	96,2	95,2	94,9	95,0	96,9	97,4

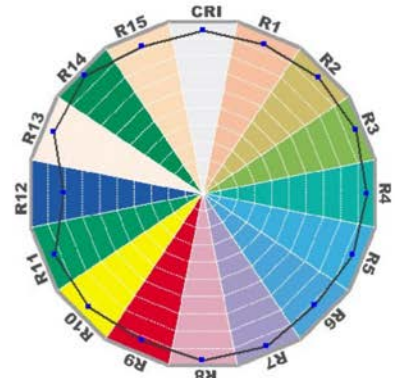
CRI: 96.43



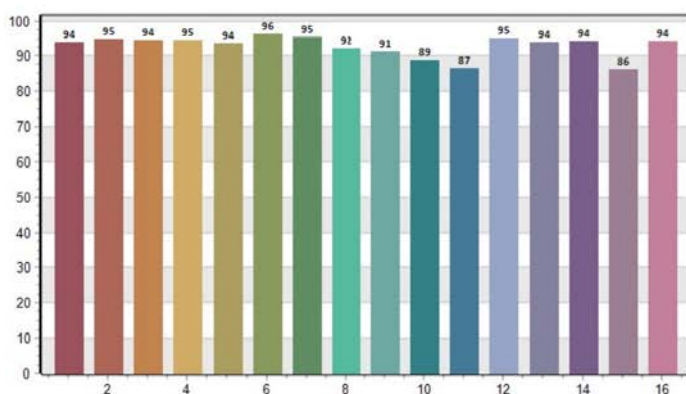
CQS: 94.94



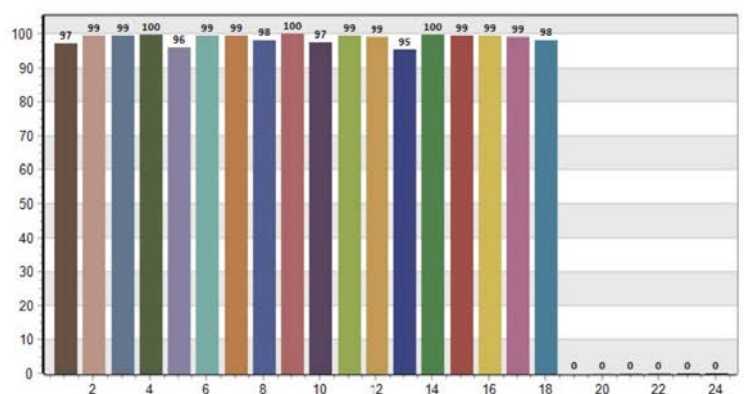
CRI-2



TM30: 93.56



TLCI: 98.23



Otello 6 HD VariWhite +, Maximum Zoom, 5.600K

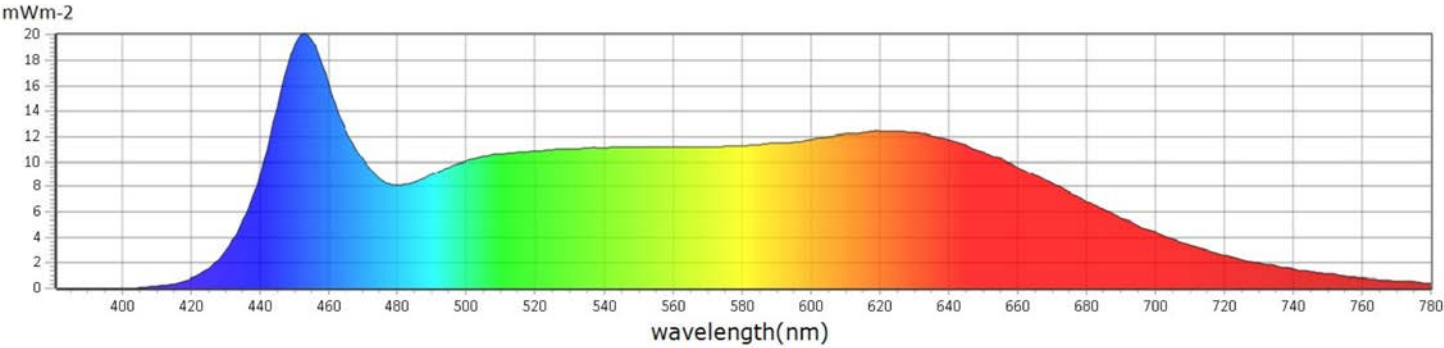
Measurements taken at 4.3 meters

General	
● CCT	5064 K
● x	0,3424
● y	0,3384
● LambdaD	585 nm
● LambdaP	452 nm

Measurements

CCT : 5064 K	x10 : 0,3448	delta-x : -0,0010	LambdaD : 585 nm	PPFD : 13,48 umolm-2s-1	S/P : 2,17	R3 : 97,8	R10 : 94,3
LUX : 816,9 lx	y10 : 0,3416	delta-y : -0,0118	LambdaP : 452 nm	PFD : 14,33 umolm-2s-1	IRR : 3,037	R4 : 96,3	R11 : 93,5
I-Time : 10800 us	u'10 : 0,2152	delta-u' : 0,0040	Purity : 4,26%	PFD-B : 3,145 umolm-2s-1	CQS : 95,0	R5 : 95,5	R12 : 83,0
x : 0,3424	v'10 : 0,4796	delta-v' : -0,0061	fc : 75,92	PFD-G : 5,115 umolm-2s-1	CRI : 96,2	R6 : 93,1	R13 : 94,6
y : 0,3384	X : 826,48	Duv : -0,0057	Rf : 93,8	PFD-R : 5,218 umolm-2s-1	TLCI : 98,2	R7 : 97,5	R14 : 98,3
u' : 0,2148	Y : 816,91	MEL : 775,5 lx	Rg : 102,7	PFD-UV : 0,0003 umolm-2s-1	R1 : 94,8	R8 : 98,7	R15 : 93,9
v' : 0,4777	Z : 770,51	LambdaPV : 20,10	GAI : 96,9	PFD-FR : 0,8518 umolm-2s-1	R2 : 96,2	R9 : 93,5	

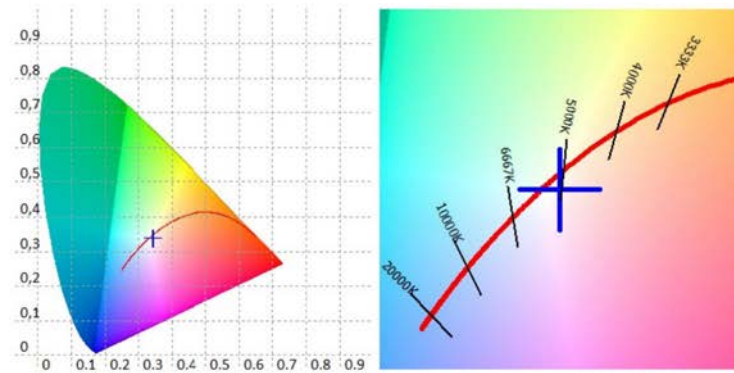
Spectrum



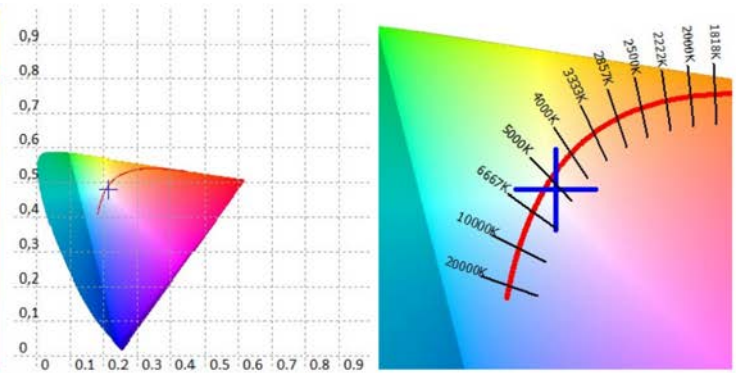
Otello 6 HD VariWhite +, Maximum Zoom, 5.600K

Measurements taken at 4.3 meters

CIE 1931



CIE 1976



CRI values, only R1-R8 are used to calculate final CRI

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,8	96,2	97,8	96,3	95,5	93,1	97,5	98,7	93,5	94,3	93,5	83,0	94,6	98,3	93,9

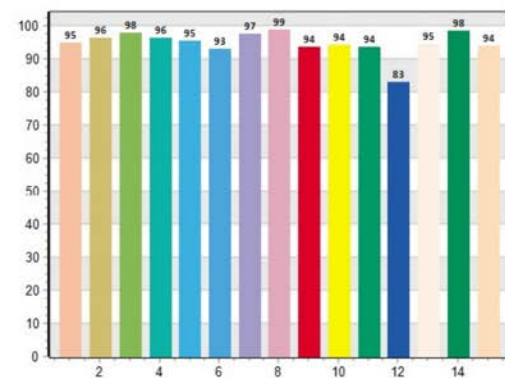
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,6	95,0	94,1	94,9	94,1	96,0	95,5	92,4	92,6	90,0	86,9	94,9	94,1	94,1	86,8	93,6

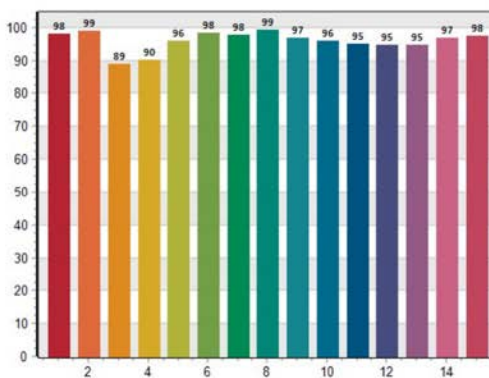
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,2	99,0	88,9	90,1	95,9	98,4	97,7	99,3	97,0	96,0	95,1	94,7	94,8	96,8	97,6

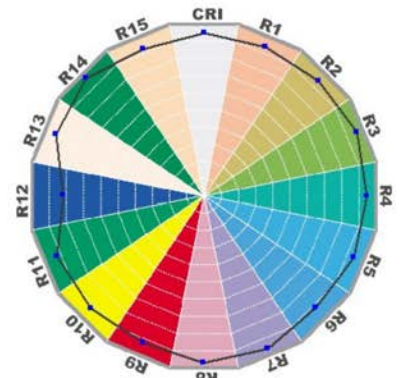
CRI: 96.24



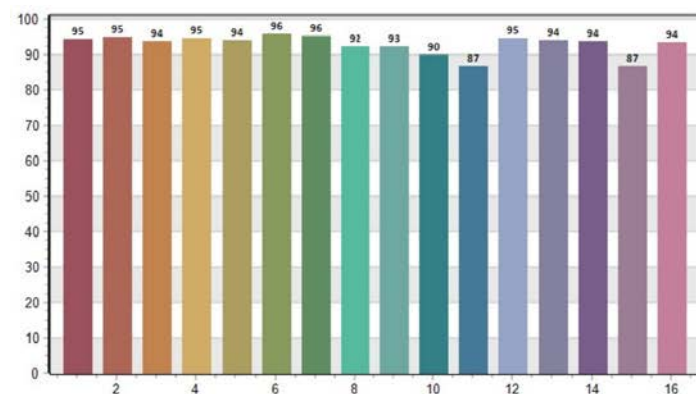
CQS: 95.03



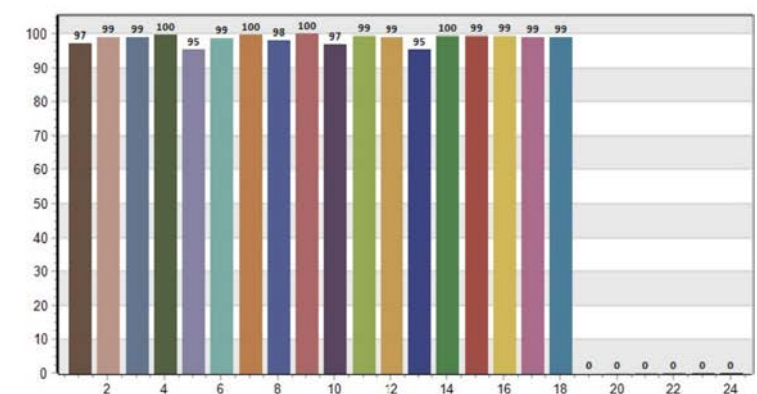
CRI-2



TM30: 93.80



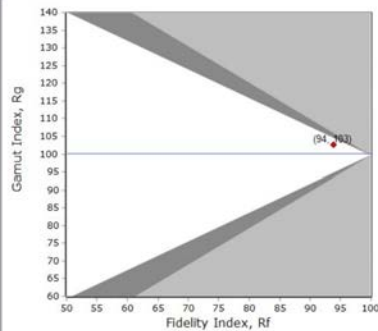
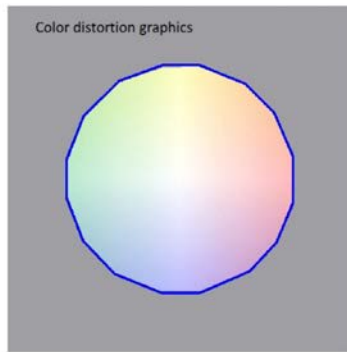
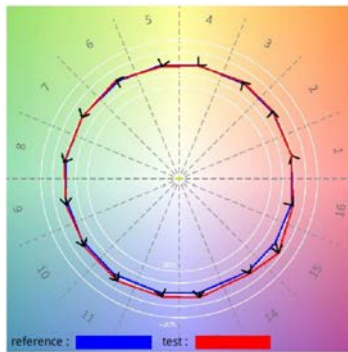
TLCI: 98.15



Otello 6 HD VariWhite +, Maximum Zoom, 5.600K

Measurements taken at 4.3 meters

General Color Rendition

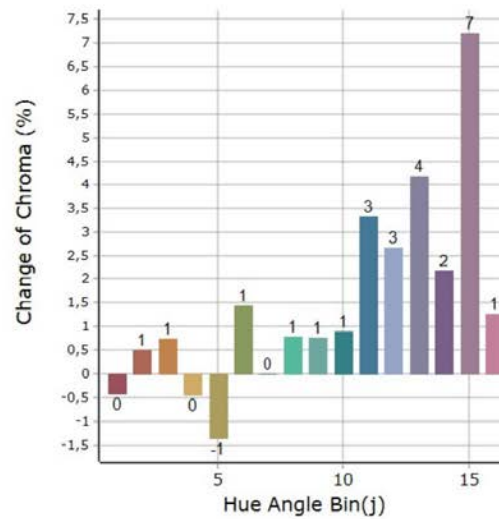
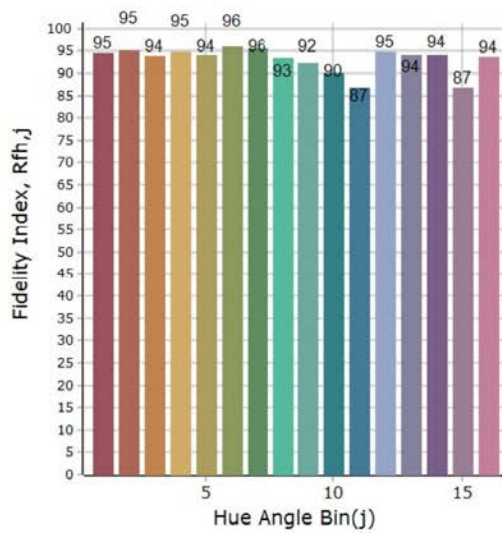
**Rf 93,8**

Fidelity index Rf

Rg 102,7

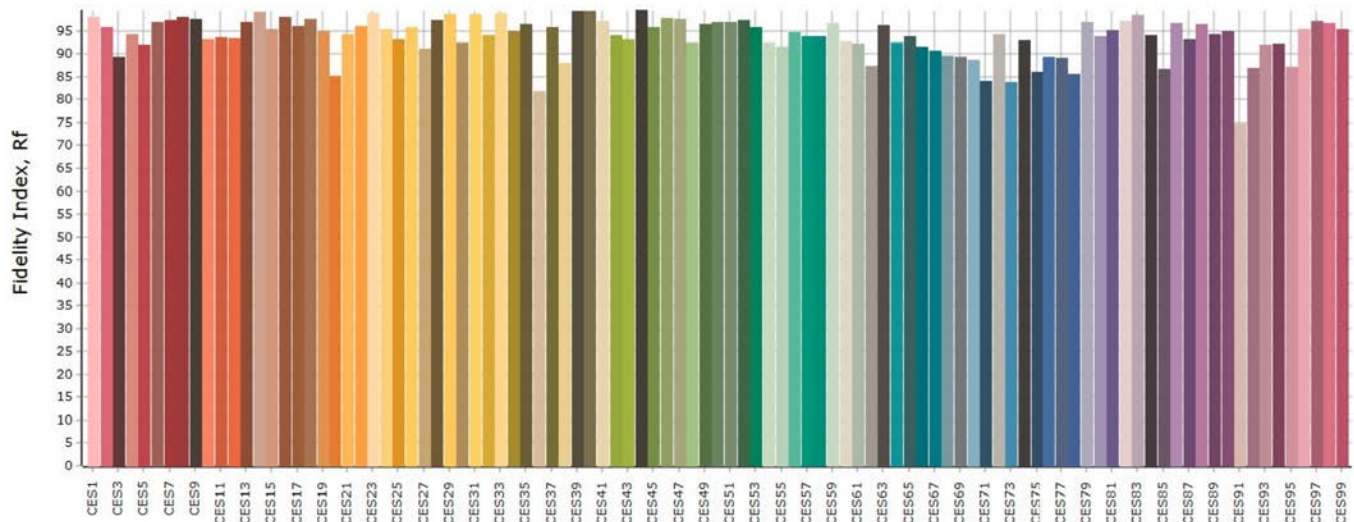
Gammut index Rg

Color Rendition by Hue



		Graphic shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	94,6	-0,4%	0,7%
2	95,0	0,5%	1,0%
3	94,0	0,7%	2,2%
4	94,9	-0,4%	0,4%
5	94,1	-1,4%	0,7%
6	96,0	1,4%	1,0%
7	95,6	0,0%	1,6%
8	93,5	0,8%	2,6%
9	92,4	0,7%	6,0%
10	90,0	0,9%	5,6%
11	86,8	3,3%	6,5%
12	94,8	2,7%	1,4%
13	94,1	4,2%	-0,4%
14	94,0	2,2%	0,1%
15	86,8	7,2%	-6,3%
16	93,7	1,3%	-1,5%

Color Fidelity by Sample



Otello 6 HD VariWhite +, Minimum Zoom, 6.500K

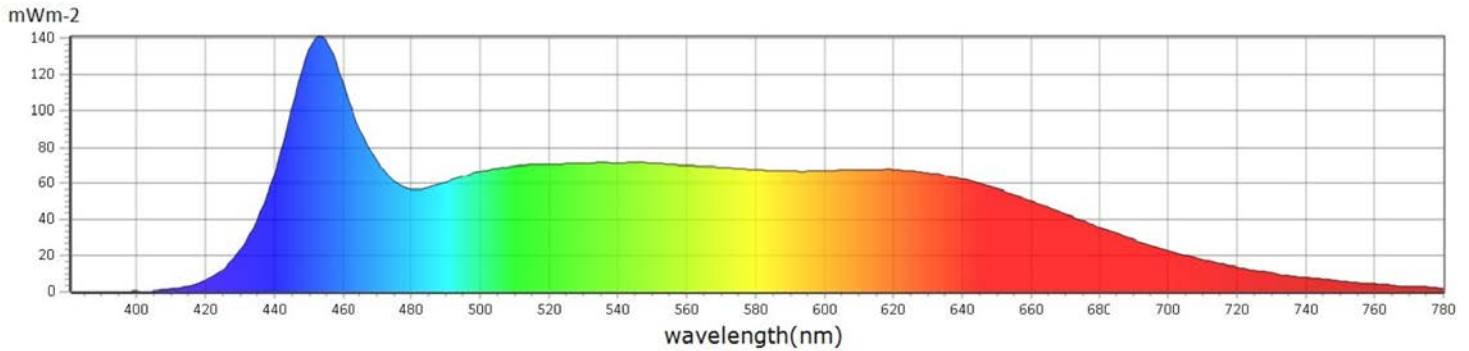
Measurements taken at 4.3 meters

General	
● CCT	6088 K
● x	0,3208
● y	0,3256
● LambdaD	483 nm
● LambdaP	452 nm

Measurements

CCT : 6088 K	x10 : 0,3233	delta-x : 0,0003	LambdaD : 483 nm	PPFD : 82,01 umolm-2s-1	S/P : 2,36	R3 : 97,3	R10 : 97,2
LUX : 5022 lx	y10 : 0,3297	delta-y : -0,0047	LambdaP : 452 nm	PFD : 86,44 umolm-2s-1	IRR : 18,63	R4 : 98,7	R11 : 96,7
I-Time : 1400 us	u'10 : 0,2050	delta-u' : 0,0020	Purity : 4,86%	PFD-B : 22,17 umolm-2s-1	CQS : 94,5	R5 : 96,7	R12 : 78,3
x : 0,3208	v'10 : 0,4703	delta-v' : -0,0025	fc : 466,7	PFD-G : 31,96 umolm-2s-1	CRI : 97,1	R6 : 93,8	R13 : 96,9
y : 0,3256	X : 4947,48	Duv : -0,0026	Rf : 93,0	PFD-R : 27,88 umolm-2s-1	TLCI : 98,1	R7 : 97,7	R14 : 98,2
u' : 0,2048	Y : 5021,51	MEL : 5267 lx	Rg : 101,0	PFD-UV : 0,0039 umolm-2s-1	R1 : 96,6	R8 : 98,5	R15 : 95,9
v' : 0,4677	Z : 5453,24	LambdaPV : 141,3	GAI : 99,3	PFD-FR : 4,428 umolm-2s-1	R2 : 97,9	R9 : 96,7	

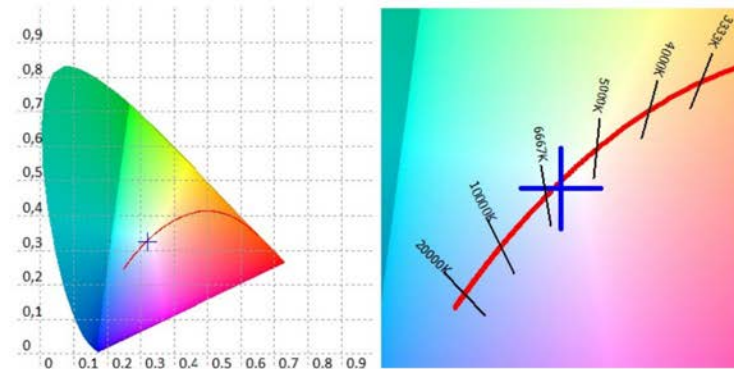
Spectrum



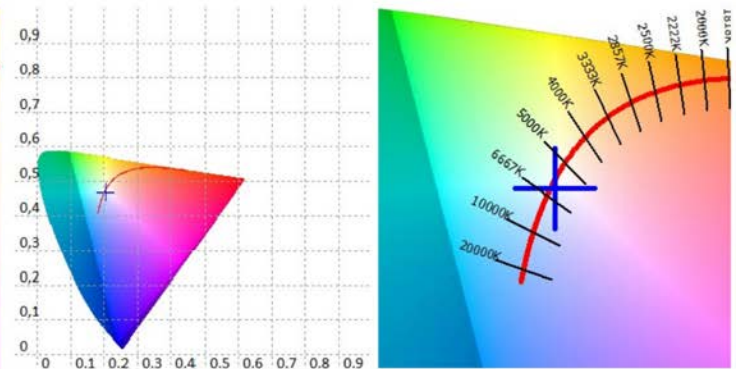
Otello 6 HD VariWhite +, Minimum Zoom, 6.500K

Measurements taken at 4.3 meters

CIE 1931



CIE 1976



CRI values, only R1-R8 are used to calculate final CRI

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,6	97,9	97,3	98,7	96,7	93,8	97,7	98,5	96,7	97,2	96,7	78,3	96,9	98,2	95,9

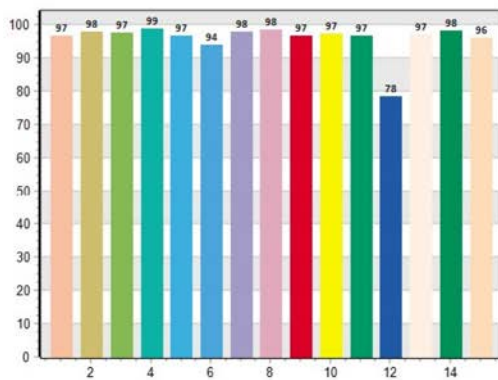
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,3	95,5	94,5	94,8	90,9	96,2	96,7	91,5	90,0	86,8	84,9	95,0	93,5	94,5	84,6	96,3

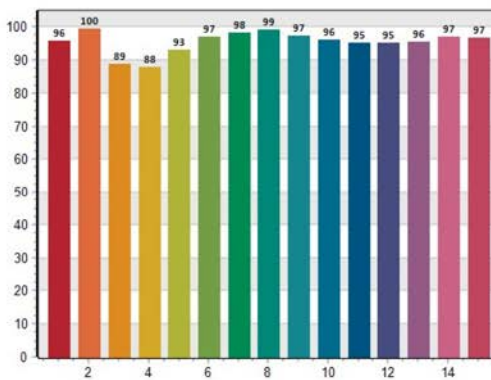
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,0	99,5	88,8	88,0	93,2	97,2	98,2	99,2	97,3	96,3	95,2	95,2	95,5	97,1	96,9

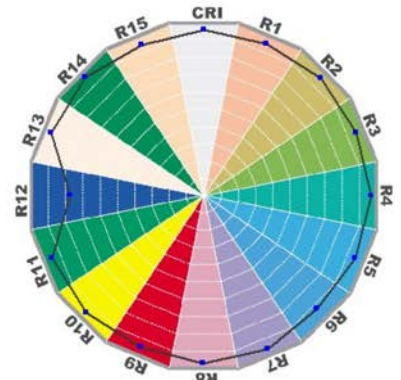
CRI: 97.15



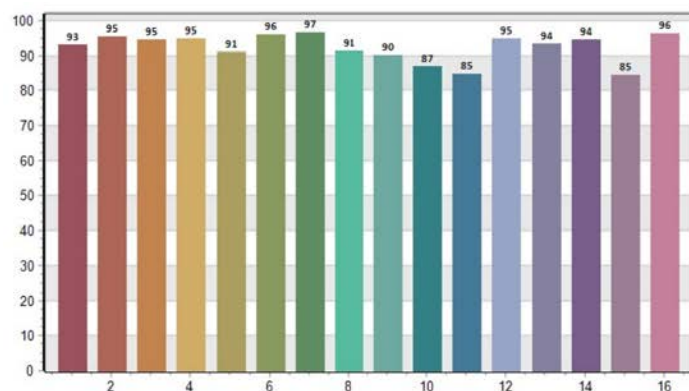
CQS: 94.52



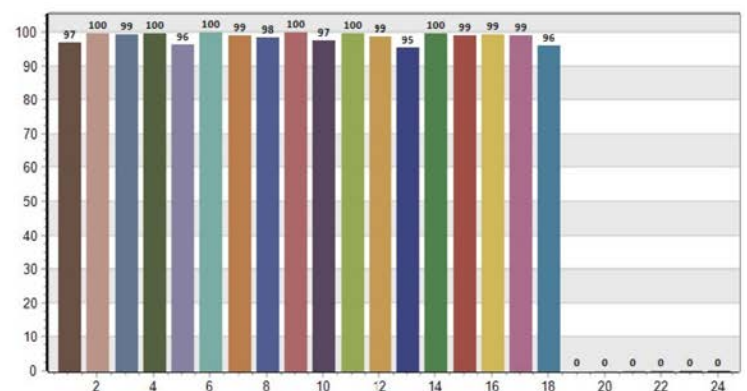
CRI-2



TM30: 92.98



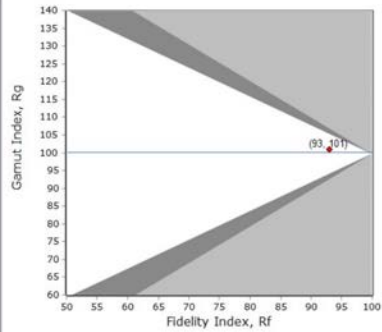
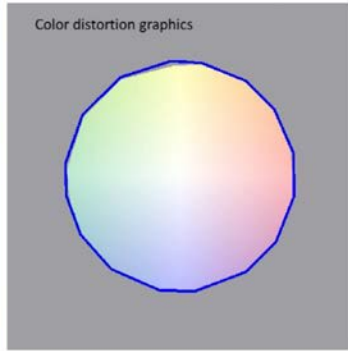
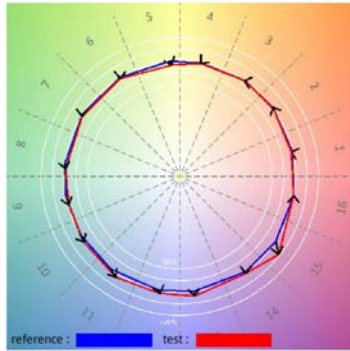
TLCI: 98.06



Otello 6 HD VariWhite +, Minimum Zoom, 6.500K

Measurements taken at 4.3 meters

General Color Rendition

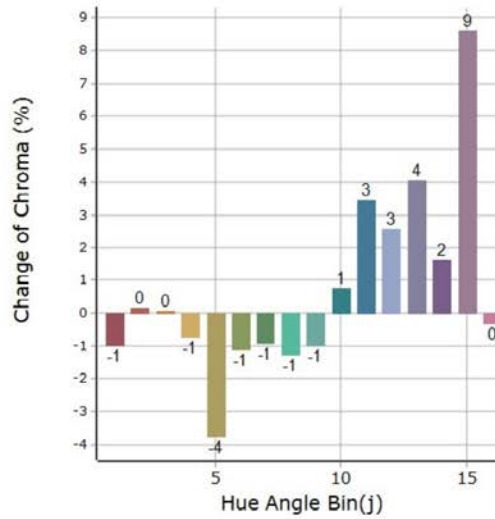
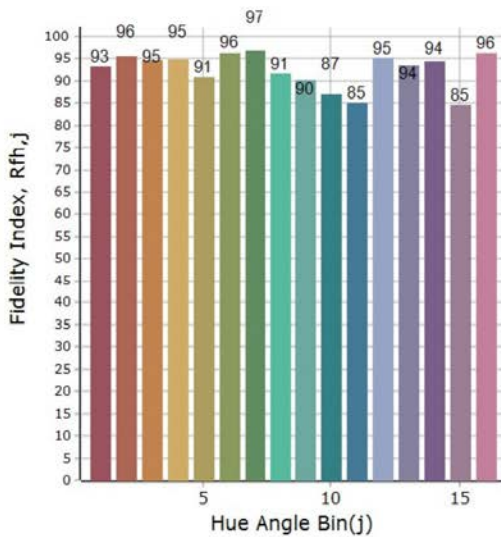
**Rf 93,0**

Fidelity index Rf

Rg 101,0

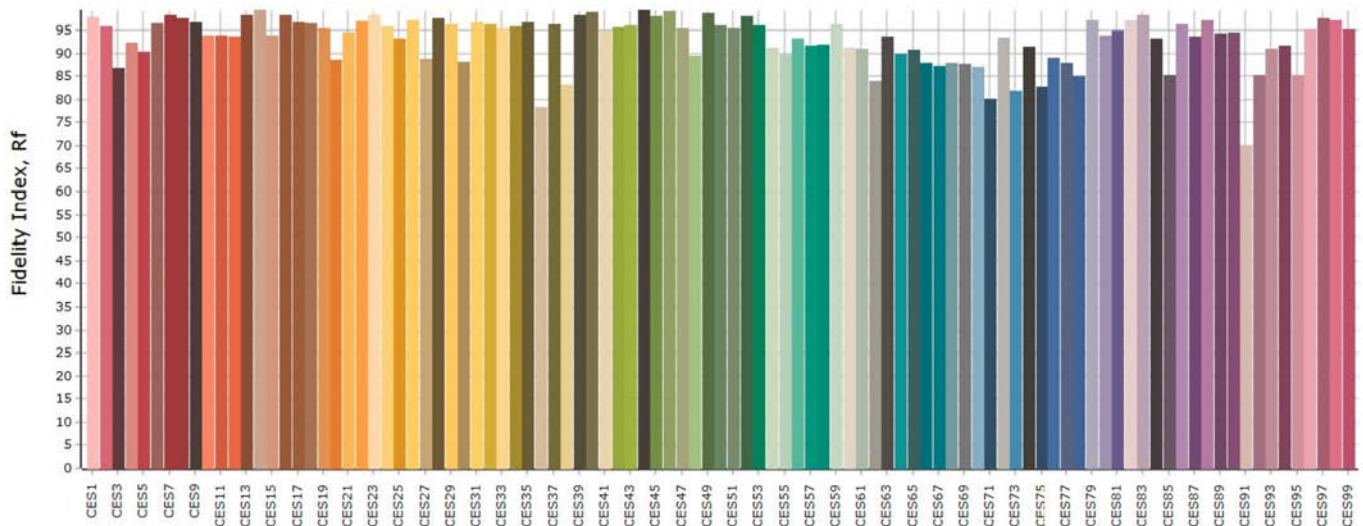
Gamut index Rg

Color Rendition by Hue



		Graphic shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	93,3	-1,0%	0,8%
2	95,5	0,2%	1,5%
3	94,5	0,1%	1,0%
4	94,8	-0,7%	0,4%
5	90,9	-3,8%	-0,6%
6	96,2	-1,1%	0,7%
7	96,7	-0,9%	1,2%
8	91,5	-1,3%	4,0%
9	90,1	-1,0%	7,7%
10	86,9	0,7%	7,5%
11	84,9	3,5%	7,7%
12	95,0	2,6%	1,3%
13	93,5	4,1%	-0,7%
14	94,5	1,6%	-0,7%
15	84,7	8,6%	-8,0%
16	96,3	-0,3%	0,3%

Color Fidelity by Sample



Otello 6 HD VariWhite +, Maximum Zoom, 6.500K

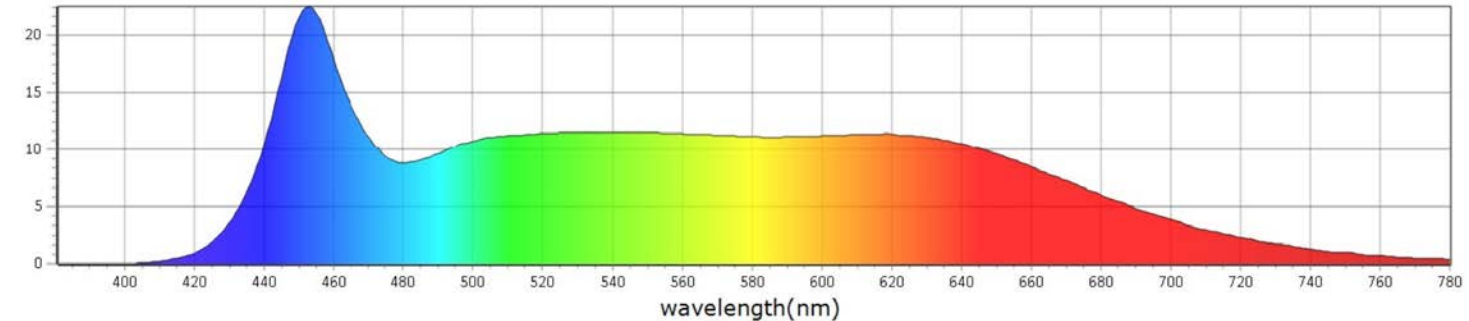
Measurements taken at 4.3 meters

General	
● CCT	5824 K
● x	0,3257
● y	0,3286
● LambdaD	483 nm
● LambdaP	452 nm

Measurements

CCT : 5824 K	x10 : 0,3282	delta-x : 0,0002	LambdaD : 483 nm	PPFD : 13,41 umolm-2s-1	S/P : 2,31	R3 : 97,2	R10 : 96,8
LUX : 820,9 lx	y10 : 0,3323	delta-y : -0,0063	LambdaP : 452 nm	PFD : 14,15 umolm-2s-1	IRR : 3,039	R4 : 98,0	R11 : 95,7
I-Time : 9600 us	u'10 : 0,2073	delta-u' : 0,0026	Purity : 2,96%	PFD-B : 3,505 umolm-2s-1	CQS : 94,6	R5 : 96,7	R12 : 79,6
x : 0,3257	v'10 : 0,4724	delta-v' : -0,0033	fc : 76,29	PFD-G : 5,212 umolm-2s-1	CRI : 97,0	R6 : 93,8	R13 : 96,5
y : 0,3286	X : 813,67	Duv : -0,0034	Rf : 93,3	PFD-R : 4,694 umolm-2s-1	TLCI : 98,1	R7 : 97,8	R14 : 98,1
u' : 0,2071	Y : 820,87	MEL : 839,2 lx	Rg : 101,5	PFD-UV : 0,0002 umolm-2s-1	R1 : 96,3	R8 : 98,9	R15 : 95,8
v' : 0,4701	Z : 863,44	LambdaPV : 22,54	GAI : 98,9	PFD-FR : 0,7395 umolm-2s-1	R2 : 97,6	R9 : 96,5	

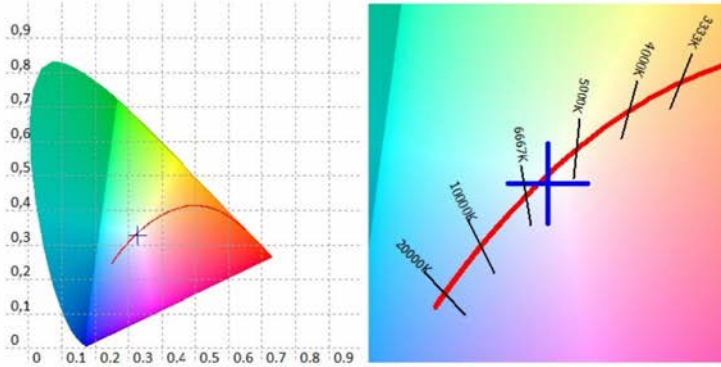
Spectrum
mWm-2



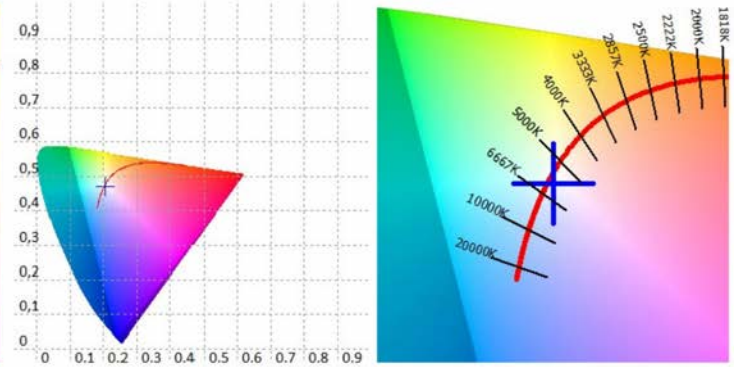
Otello 6 HD VariWhite +, Maximum Zoom, 6.500K

Measurements taken at 4.3 meters

CIE 1931



CIE 1976



CRI values, only R1-R8 are used to calculate final CRI

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,3	97,6	97,2	98,0	96,7	93,8	97,8	98,9	96,5	96,8	95,7	79,6	96,5	98,1	95,8

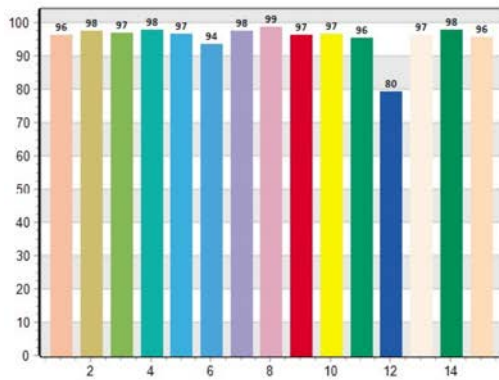
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,6	95,4	94,3	94,1	92,0	96,4	96,8	92,3	90,9	87,8	85,2	94,8	93,7	94,3	85,2	96,4

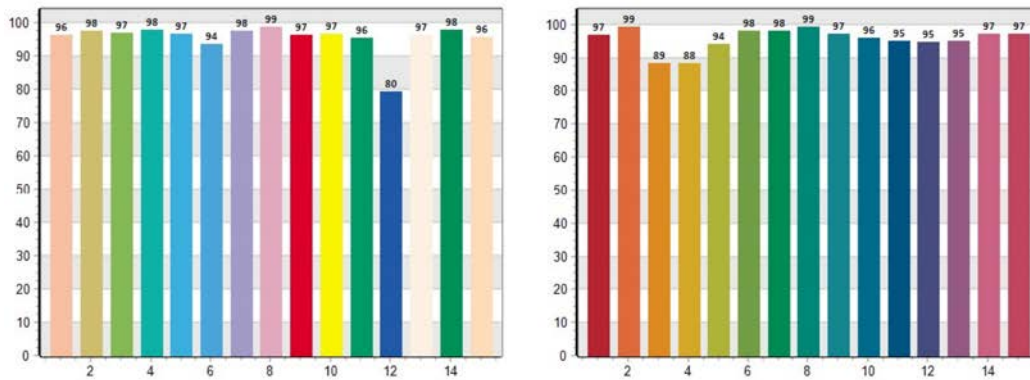
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,8	99,2	88,5	88,4	94,1	98,1	98,0	99,3	97,1	95,9	95,0	94,8	95,2	97,1	97,2

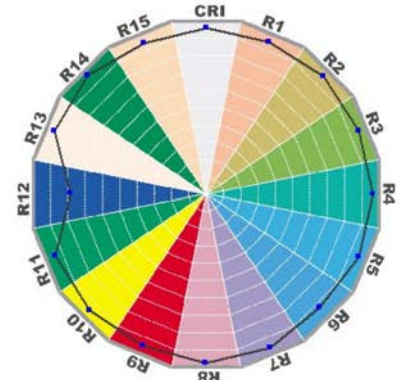
CRI: 97.04



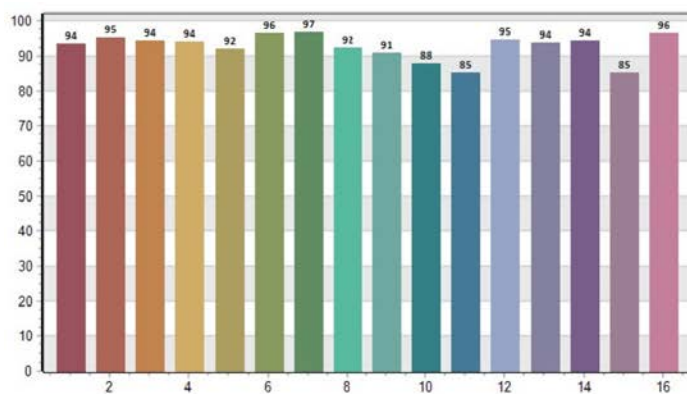
CQS: 94.60



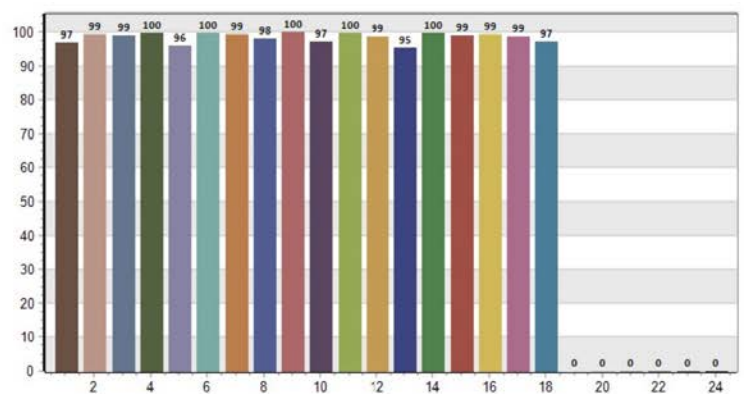
CRI-2



TM30: 93.26



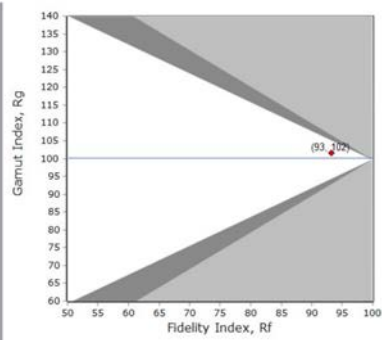
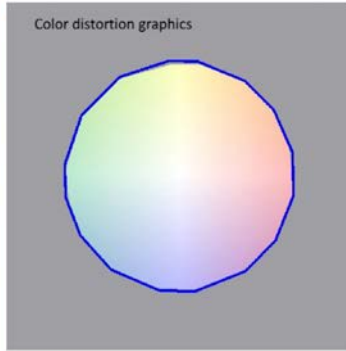
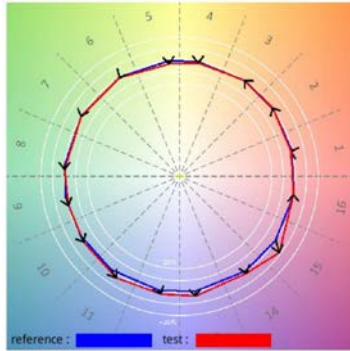
TLCI: 98.12



Otello 6 HD VariWhite +, Maximum Zoom, 6.500K

Measurements taken at 4.3 meters

General Color Rendition

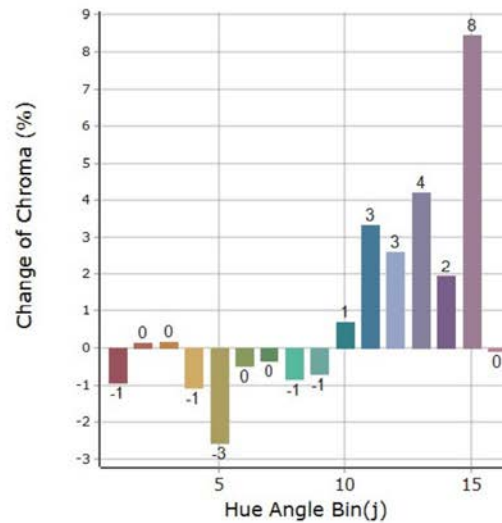
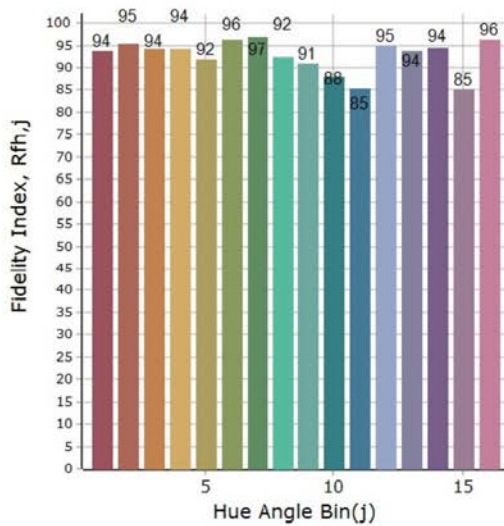
**Rf 93,3**

Fidelity index Rf

Rg 101,5

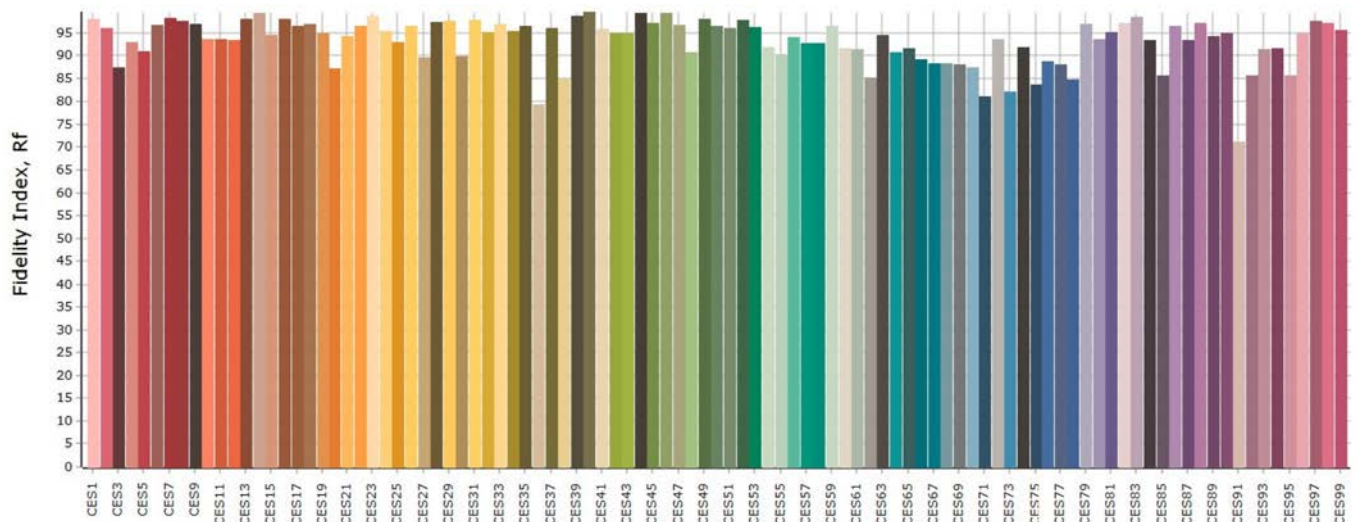
Gamut index Rg

Color Rendition by Hue



		Graphic shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	93,6	-0,9%	0,7%
2	95,3	0,2%	1,6%
3	94,3	0,2%	1,4%
4	94,1	-1,0%	0,1%
5	92,0	-2,5%	0,2%
6	96,4	-0,5%	0,9%
7	96,8	-0,3%	1,1%
8	92,2	-0,8%	3,6%
9	90,9	-0,7%	7,1%
10	87,8	0,7%	7,0%
11	85,2	3,3%	7,6%
12	94,8	2,6%	1,6%
13	93,7	4,2%	-0,4%
14	94,3	1,9%	-0,4%
15	85,1	8,4%	-7,6%
16	96,3	-0,1%	0,2%

Color Fidelity by Sample



● Coemar Lighting S.r.l.

Via Carpenedolo, 90
46043, Castiglione delle Stiviere (MN) – Italy

P. +39 0376 1514412
M1. info@coemar.com
M2. service@coemar.com
W. coemar.com

P.iva – C.f. 02415330204

