

Photometric Test Report



ARCSPOTSVW

IP66 Spot featuring 1'600 lumen with
7 x 4W Variable White source,
10° native

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Color preset 3200K

Beam angle 10°	125
Beam angle 10°+20° Filter	130
Beam angle 10°+40° Filter	135
Beam angle 10°+60° Filter	140
Beam angle 10°+10°x60° Filter	145
Beam angle 10°+30°x60° Filter	150

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Beam angle 10°	155
Beam angle 10°+20° Filter	160
Beam angle 10°+40° Filter	165
Beam angle 10°+60° Filter	170
Beam angle 10°+10°x60° Filter	175
Beam angle 10°+30°x60° Filter	180

Color preset 5600K

Beam angle 10°	185
Beam angle 10°+20° Filter	190
Beam angle 10°+40° Filter	195
Beam angle 10°+60° Filter	200
Beam angle 10°+10°x60° Filter	205
Beam angle 10°+30°x60° Filter	210

Color preset 6500K

Beam angle 10°	215
Beam angle 10°+20° Filter	220
Beam angle 10°+40° Filter	225
Beam angle 10°+60° Filter	230
Beam angle 10°+10°x60° Filter	235
Beam angle 10°+30°x60° Filter	240

TESTING PROCESS

Prolights has its own optical testing laboratory in order to provide accurate photometric reports for its lighting products. The testing laboratory contains certain variety of precise lighting measurement systems that ensure an optimal reading of all the characteristic parameters of the lighting devices. All measurements are made at a controlled room temperature of 20°C without any external light sources. This photometric report is obtained through the data measured by a high precision measurement system and analyzed by a dedicate software.

Prolights measurement instrument

Prolights measurement instrument is a complete measurement system for any light source. It's equipped with two-axis goniometer, that enables to measure the full 3D distribution field of the light source. This instrument measures the light intensity, the beam angle and the most significative colors parameters, like color temperature, spectral distribution, CRI, CQS, TM-30 with a very high accuracy rate.

Please Note: All measurements are made with light source at operating temperature. Before starting the measurement, the instrument analyzes the process of the light source during the heating phase. The measuring process of all the parameters begins only when the light emission is stable, that is with a variation of less than 0.5% in a 15 minutes time frame.

Prolights measurement software

The software provides user friendly interface for the operator who does the measurements, and it also analyzes and processes all the collected data by the instrument. With this software it is possible to see the measured data in real-time and it is possible to examine all the measured data and graphics afterwards as well. All information is collected in a specific Prolights template, and the software creates also IES and LDT files, which are widely used to transfer the photometric data, and to develop lighting system.

Additionally, the fixtures are rechecked using various hand-held instruments like Sekonic C-700 and Gossen Mavospec Base, this is done to ensure, that the data in the photometric report are as accurate as possible.



Total lumen output:

1697 lm

Peak candela output:

33590 cd

Light quality:

CRI: 93,9

Color temperature:

4277 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

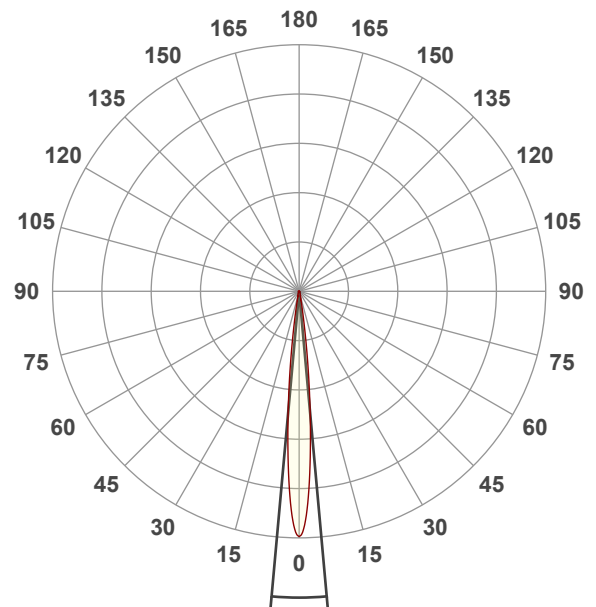
Full On

Operator:

Salvatore Giglio

Date and time:

19/02/2024 16:02:12

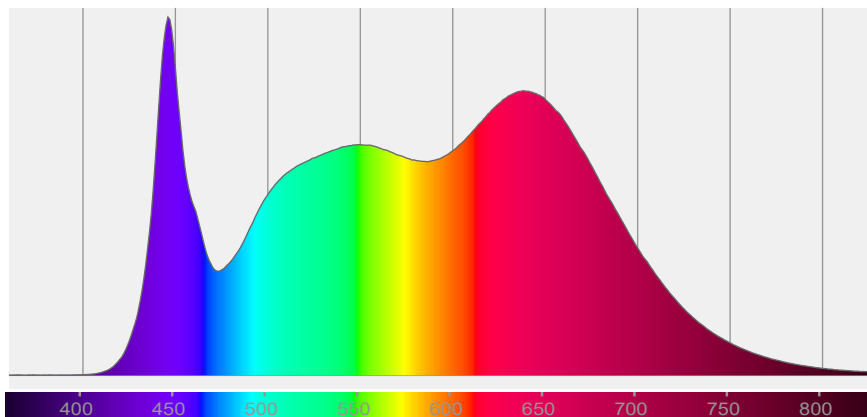


Beam angle 50%: 10,3°

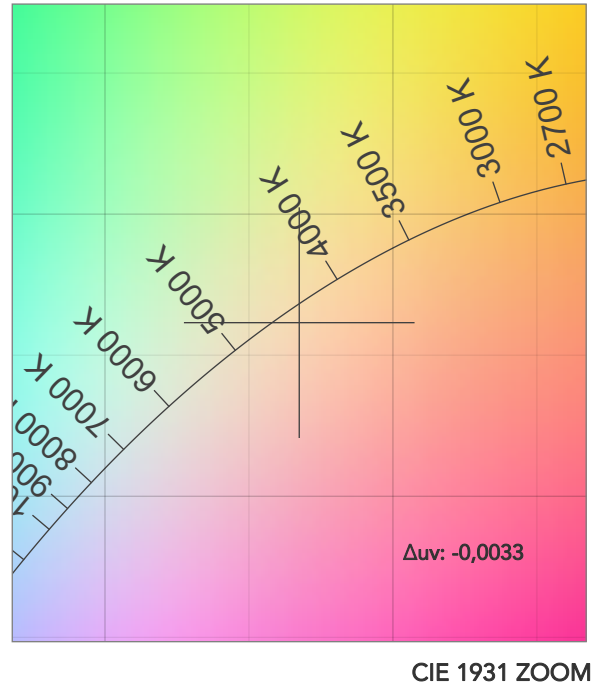
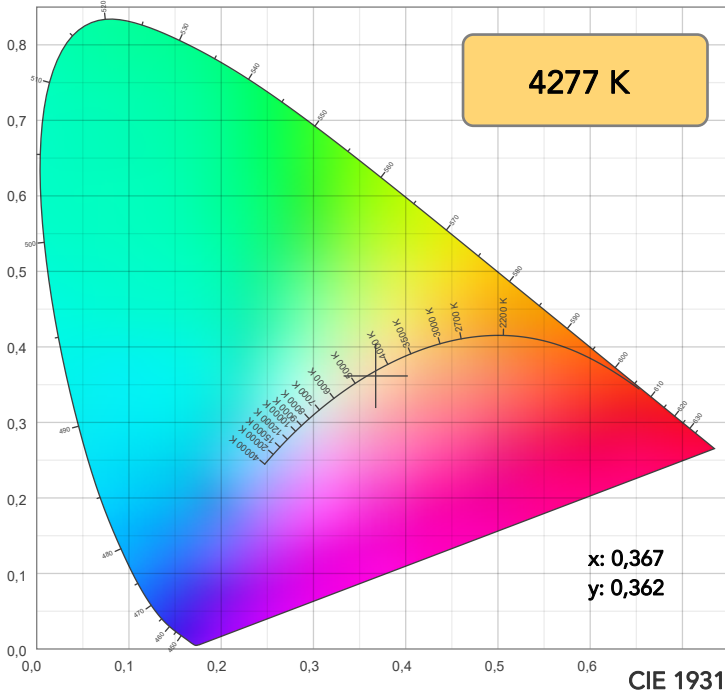
Field angle 10%: 18,7°

Cut off angle 2.5%: 27,6°

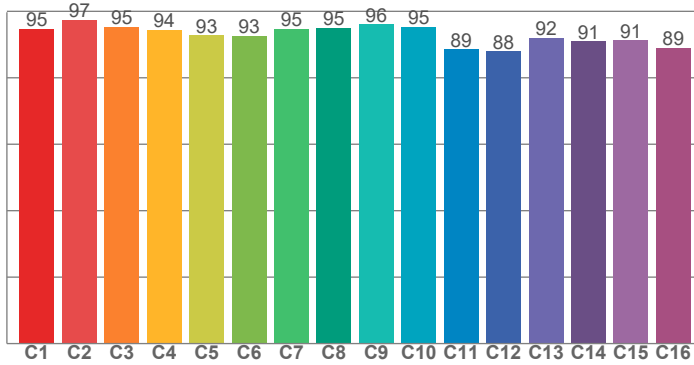
Spectra



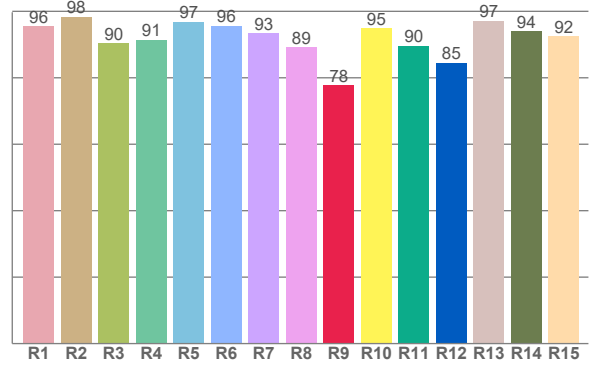
COLOR DETAILS



TM30: 93,2



CRI: 93,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,6	98,4	90,5	91,4	96,9	95,6	93,3	89,1	77,8	95,0	89,6	84,5	97,2	94,1	92,5

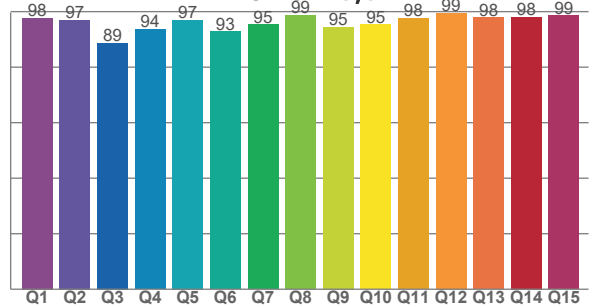
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,7	97,4	95,3	94,5	92,8	92,6	94,7	95,0	96,1	95,3	88,5	87,9	92,0	90,9	91,2	89,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,7	96,9	88,6	93,6	97,0	92,9	95,4	98,7	94,5	95,3	97,6	99,5	97,8	98,1	98,6

CQS: 95,3



COLOR PARAMETERS

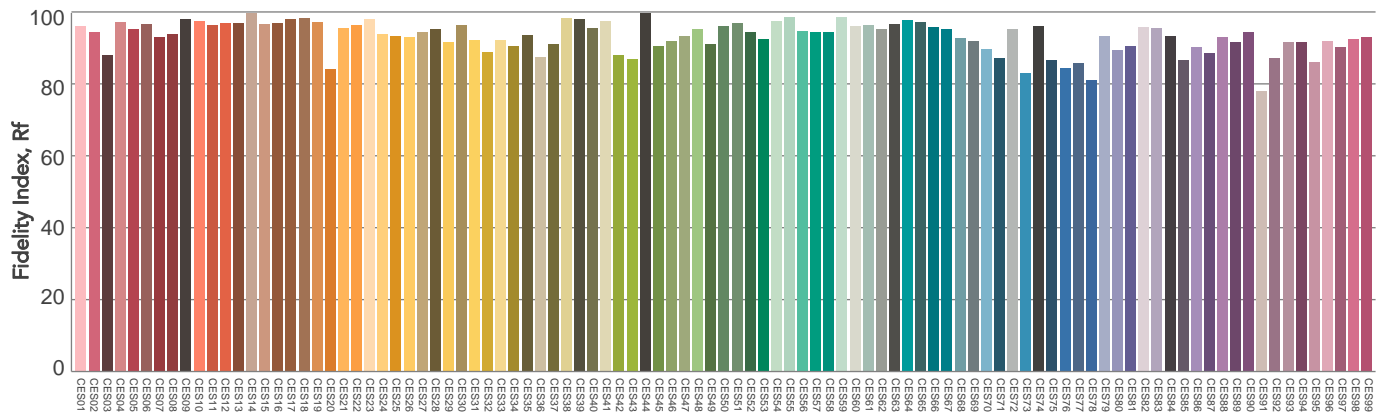
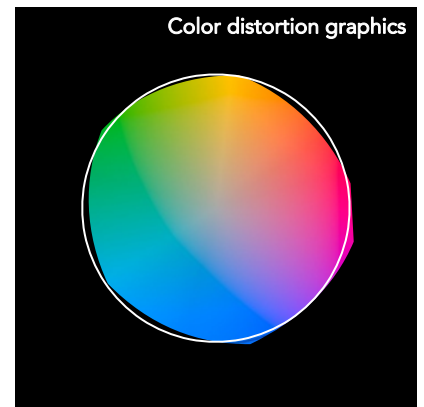
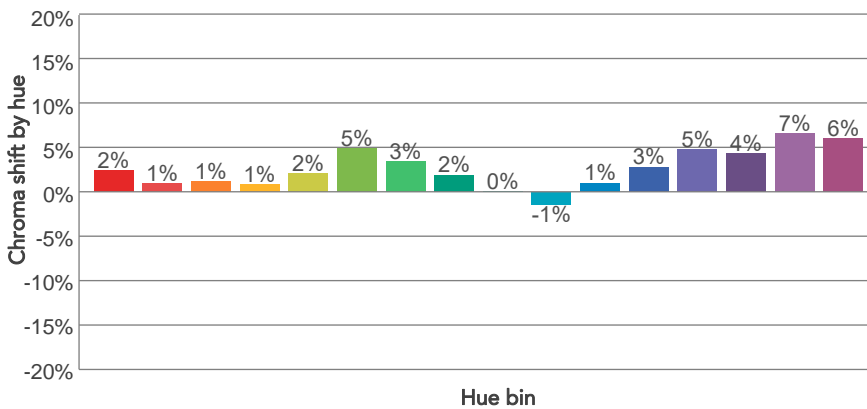
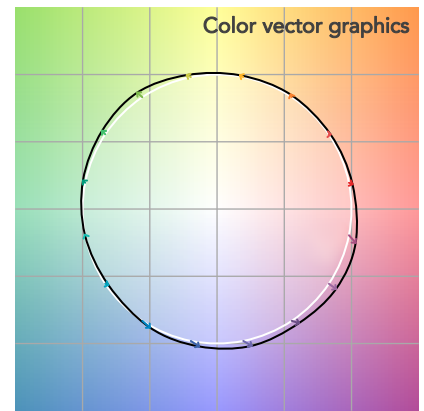
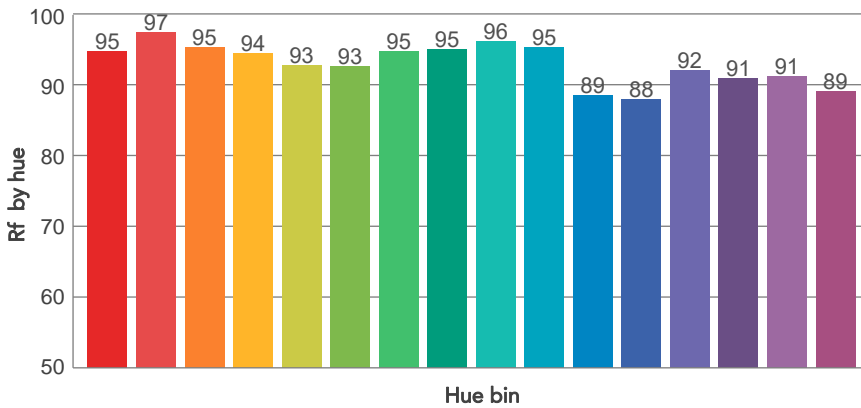
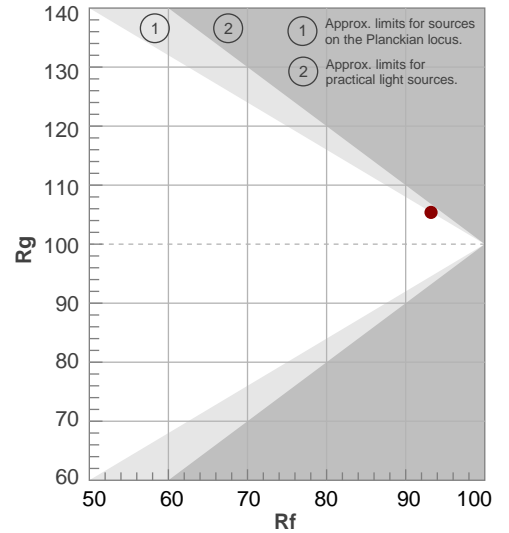
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4277 K	93,9	77,8	93,2	105,4	95,3	97	0,367	0,362	-0,0033

TM30 DETAILS

Rf 93,2
Fidelity index Rf

Rg 105,4
Gammut index

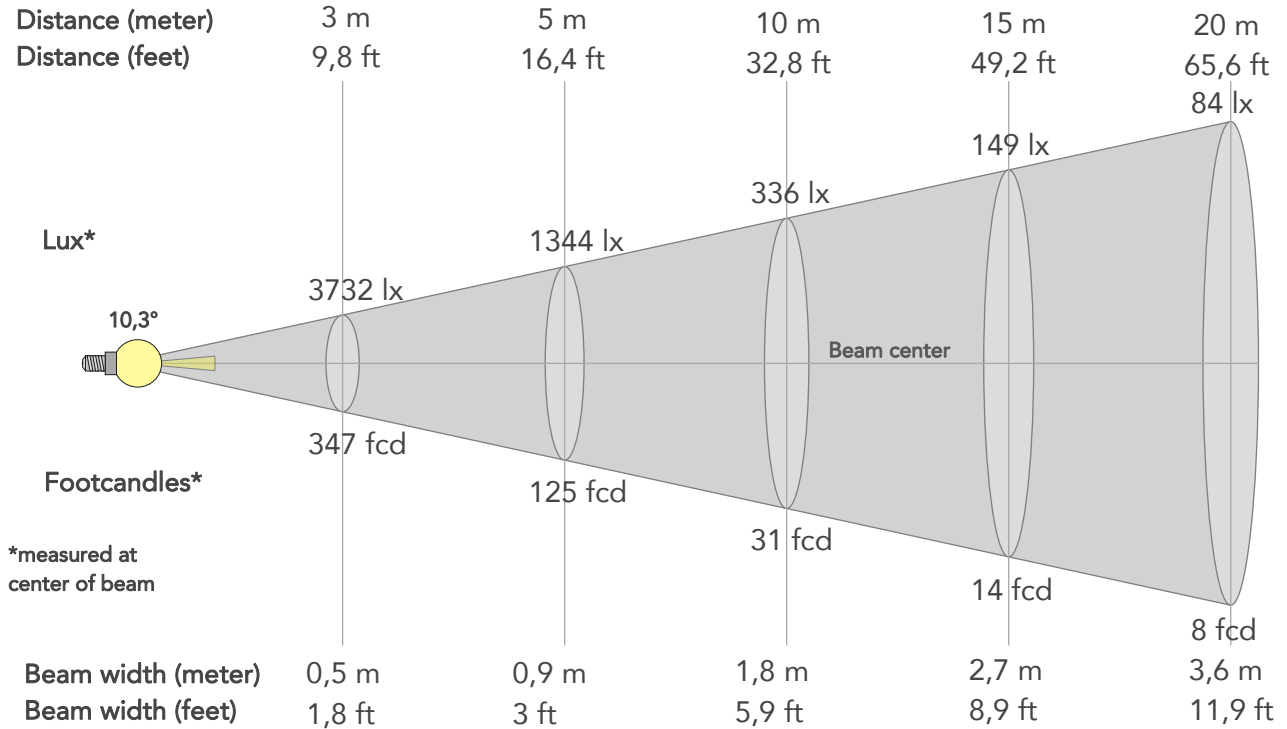
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-2%
2	97	1%	-1%
3	95	1%	2%
4	94	1%	3%
5	93	2%	3%
6	93	5%	1%
7	95	3%	-1%
8	95	2%	-1%
9	96	0%	0%
10	95	-1%	2%
11	89	1%	7%
12	88	3%	7%
13	92	5%	5%
14	91	4%	4%
15	91	7%	0%
16	89	6%	-5%



BEAM DETAILS



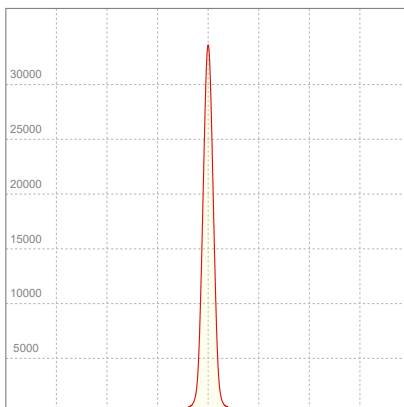
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,3°	18,7°	27,6°	97,4%	94,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	33590lx	8397lx	3732lx	2099lx	1344lx	597lx	336lx	149lx	84lx	54lx	37lx	21lx	13lx
Footcand.	3121fcd	780fcd	347fcd	195fcd	125fcd	55fcd	31fcd	14fcd	8fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,4m	1,8m	2,7m	3,6m	4,5m	5,4m	7,2m	9m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,4ft	5,9ft	8,9ft	11,9ft	14,8ft	17,8ft	23,7ft	29,6ft

LINEAR DISTRIBUTION DIAGRAM

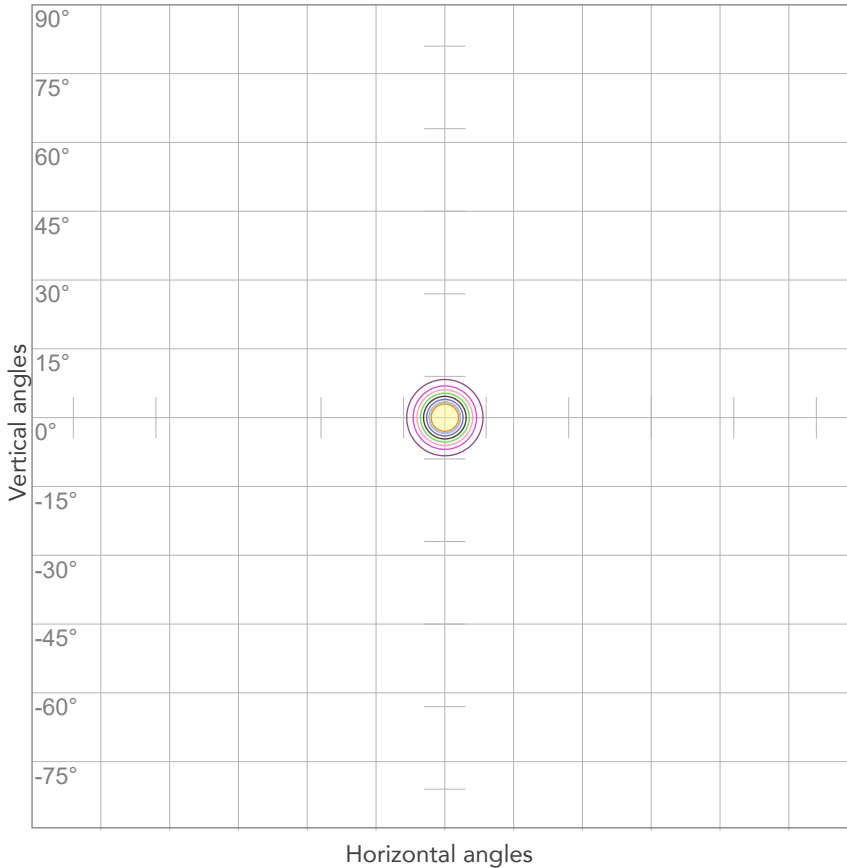


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,146A	31,8W	0,96	53lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



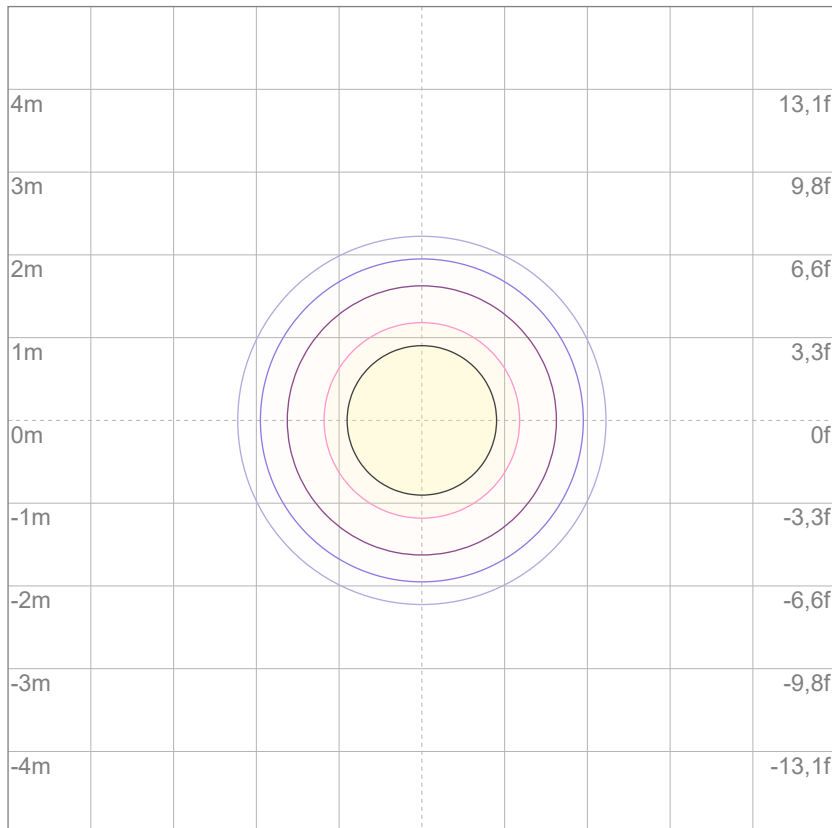
10%	3359 cd
20%	6718 cd
30%	10077 cd
40%	13436 cd
50%	16795 cd
60%	20154 cd
70%	23513 cd
80%	26872 cd

Conditions:

Number of c-planes: 2

Candela at center: 33590 cd

ISO LUX DIAGRAM



3%	10,1 lx
5%	16,8 lx
10%	33,6 lx
30%	101 lx
50%	168 lx

Conditions:

Number of c-planes: 2

Lux at center: 336 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1529 lm

Peak candela output:

6251 cd

Light quality:

CRI: 93,8

Color temperature:

4255 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

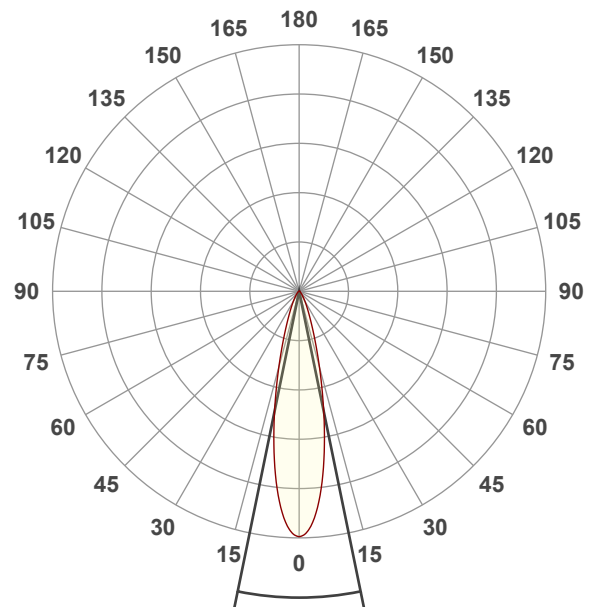
Full On

Operator:

Salvatore Giglio

Date and time:

19/02/2024 17:10:52

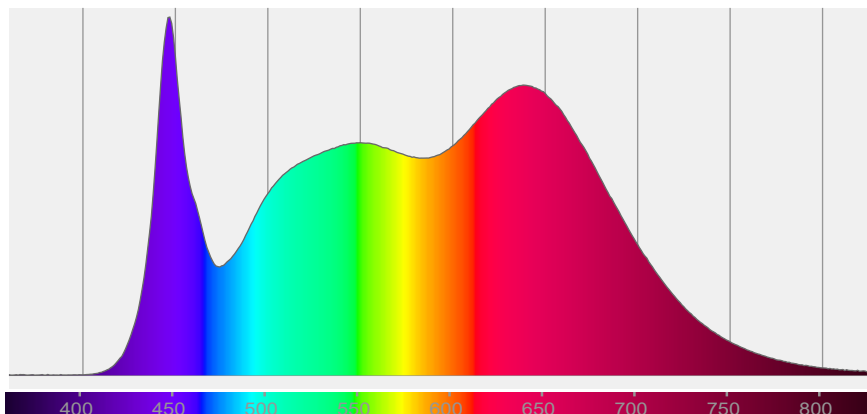


Beam angle 50%: 23,1°

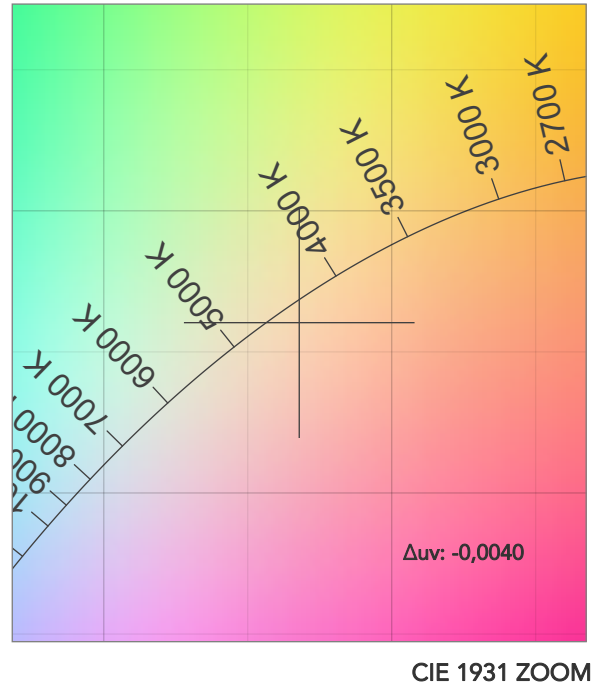
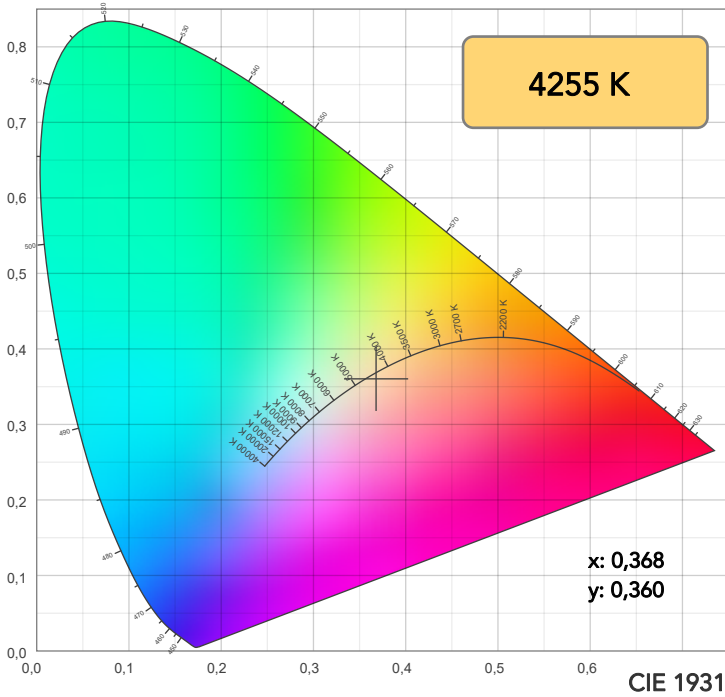
Field angle 10%: 46,9°

Cut off angle 2.5%: 72,6°

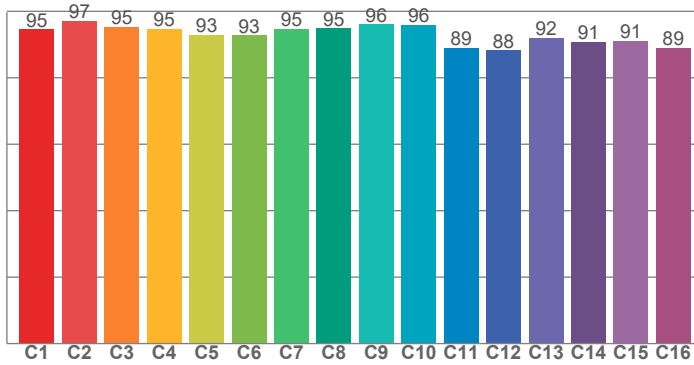
Spectra



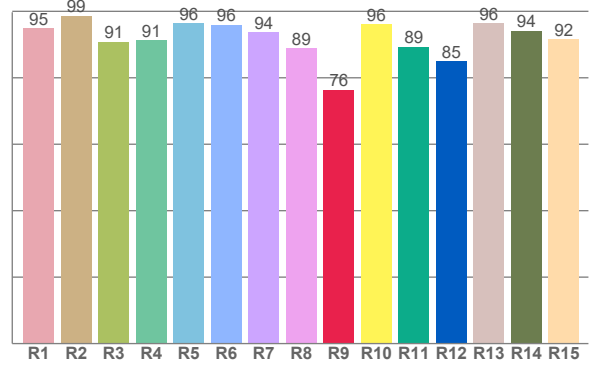
COLOR DETAILS



TM30: 93,2



CRI: 93,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,9	98,7	90,8	91,3	96,3	96,0	93,6	88,8	76,4	96,0	89,4	84,9	96,4	94,2	91,6

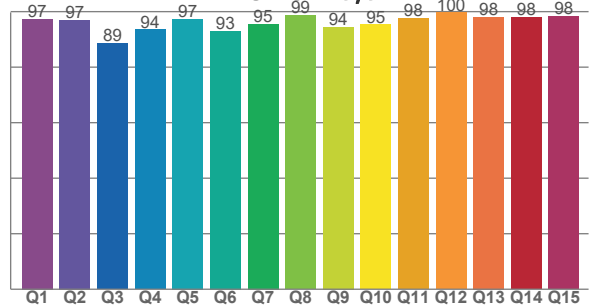
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,6	97,1	95,3	94,7	92,8	92,7	94,8	94,9	96,0	96,0	88,9	88,2	92,1	90,9	91,2	89,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,4	96,9	88,6	93,6	97,4	93,1	95,5	98,7	94,5	95,4	97,6	99,6	98,0	98,0	98,3

CQS: 95,3



COLOR PARAMETERS

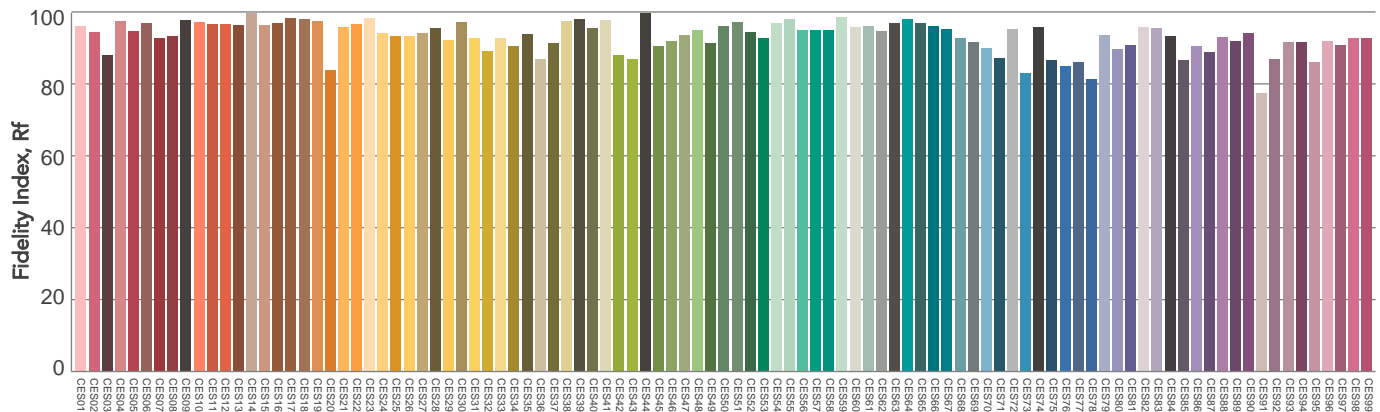
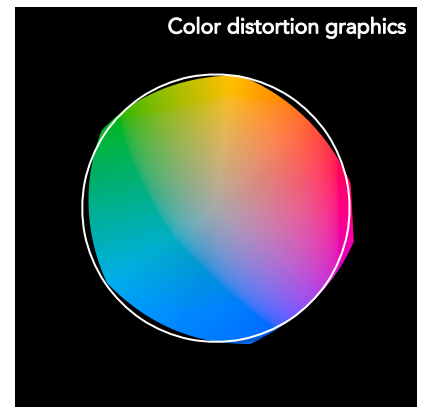
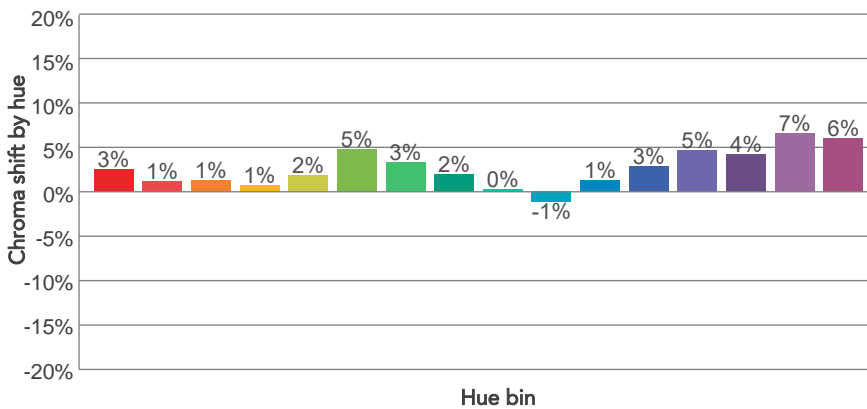
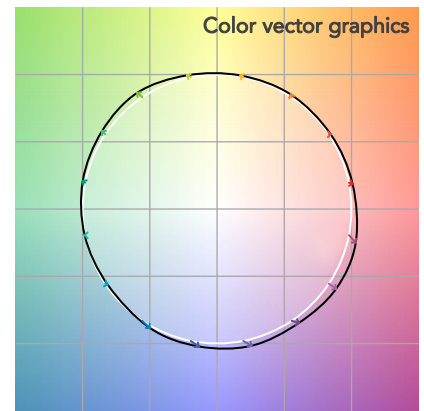
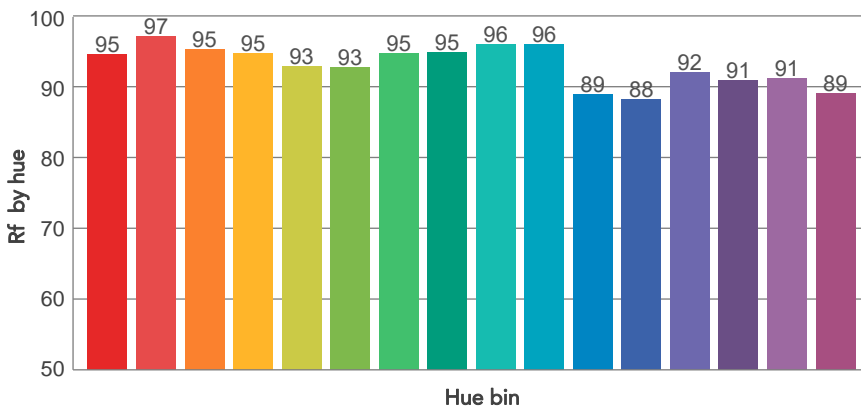
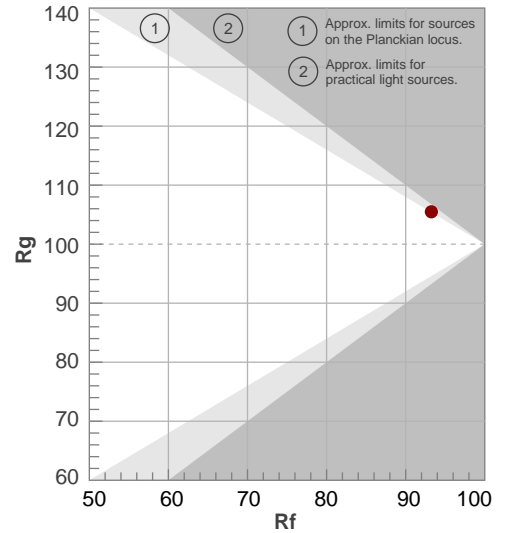
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4255 K	93,8	76,4	93,2	105,5	95,3	97	0,368	0,360	-0,0040

TM30 DETAILS

Rf 93,2
Fidelity index Rf

Rg 105,5
Gammut index

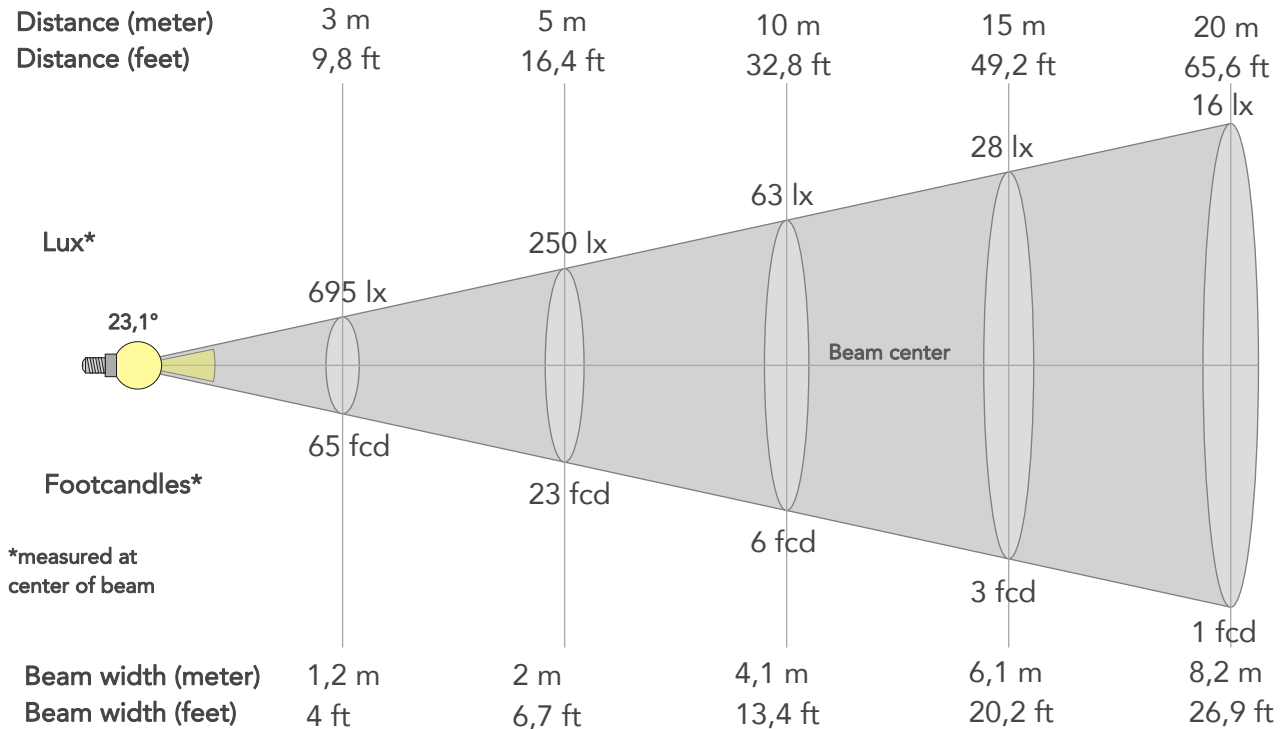
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	3%	-1%
2	97	1%	-1%
3	95	1%	2%
4	95	1%	2%
5	93	2%	3%
6	93	5%	1%
7	95	3%	-1%
8	95	2%	-1%
9	96	0%	0%
10	96	-1%	1%
11	89	1%	8%
12	88	3%	7%
13	92	5%	5%
14	91	4%	4%
15	91	7%	0%
16	89	6%	-4%



BEAM DETAILS



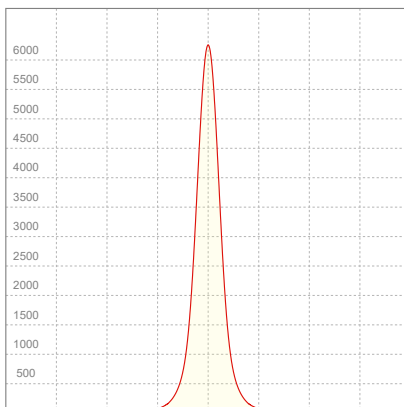
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,1°	46,9°	72,6°	97,3%	93,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6251lx	1563lx	695lx	391lx	250lx	111lx	63lx	28lx	16lx	10lx	7lx	4lx	3lx
Footcand.	581fcd	145fcd	65fcd	36fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3,1m	4,1m	6,1m	8,2m	10,2m	12,3m	16,4m	20,5m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,7ft	10,1ft	13,4ft	20,2ft	26,9ft	33,6ft	40,3ft	53,7ft	67,2ft

LINEAR DISTRIBUTION DIAGRAM

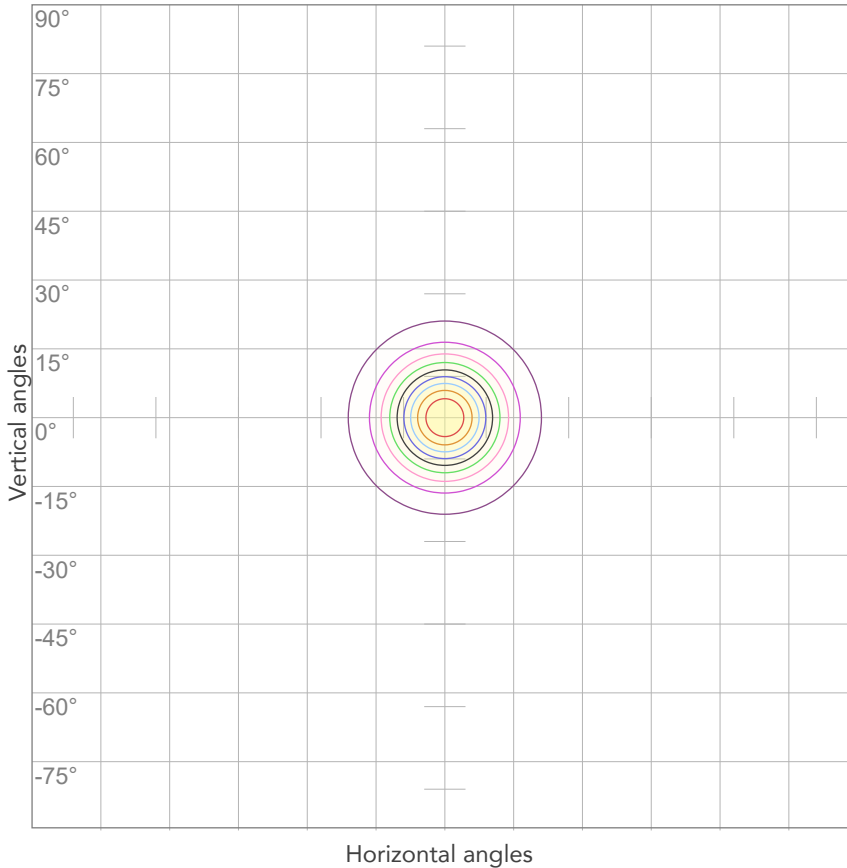


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,145A	31,5W	0,96	49lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



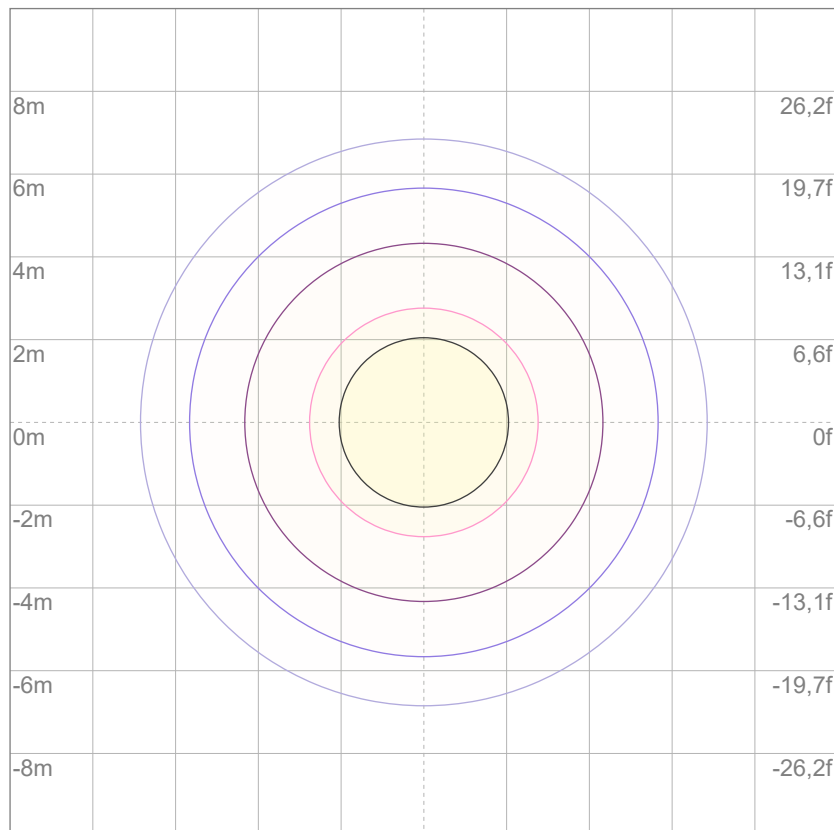
10%	625 cd
20%	1250 cd
30%	1875 cd
40%	2500 cd
50%	3125 cd
60%	3750 cd
70%	4375 cd
80%	5001 cd

Conditions:

Number of c-planes: 2

Candela at center: 6251 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,88 lx
5%	3,13 lx
10%	6,25 lx
30%	18,8 lx
50%	31,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 62,5 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.



Total lumen output:

1446 lm

Peak candela output:

1791 cd

Light quality:

CRI: 93,7

Color temperature:

4258 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

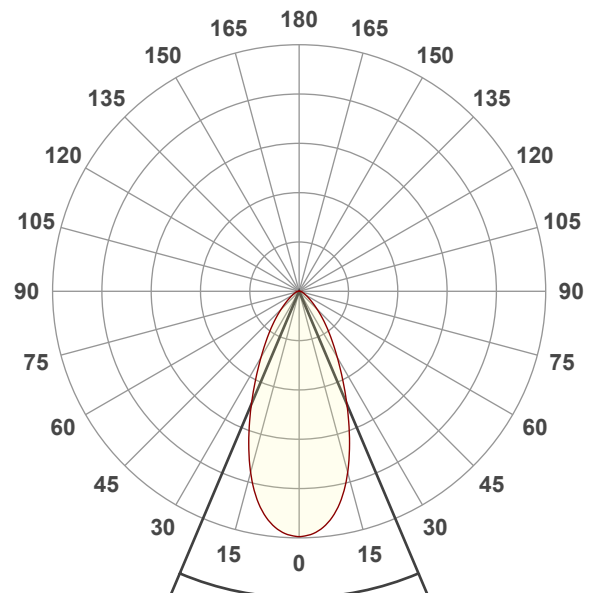
Full On

Operator:

Salvatore Giglio

Date and time:

19/02/2024 17:46:55

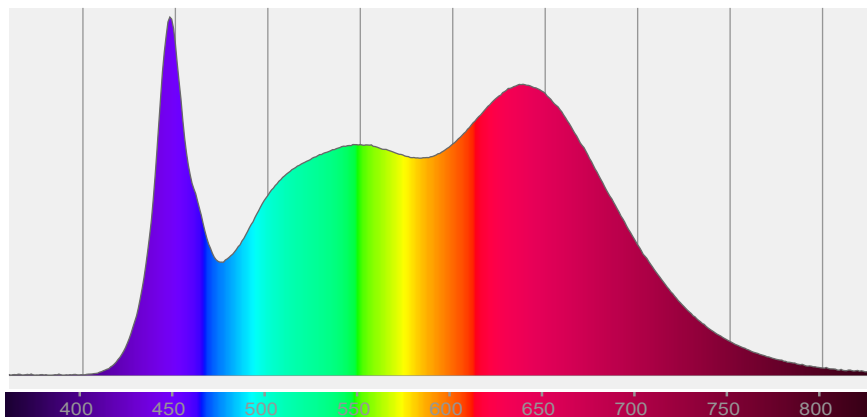


Beam angle 50%: 45,9°

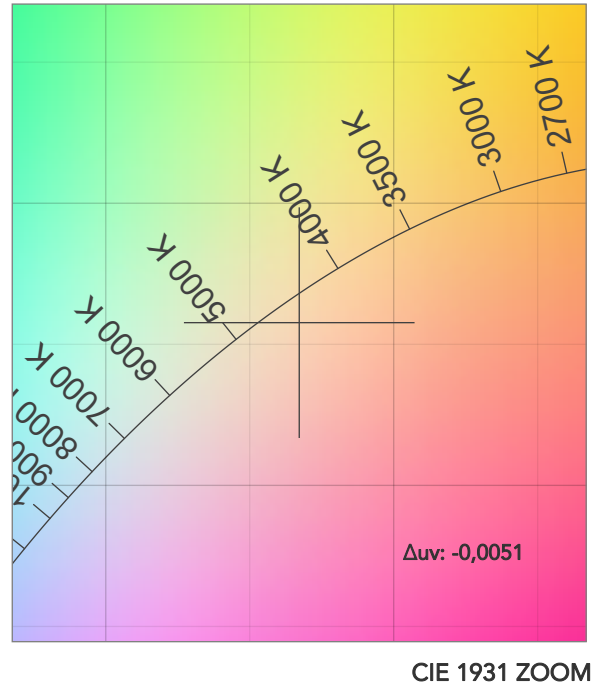
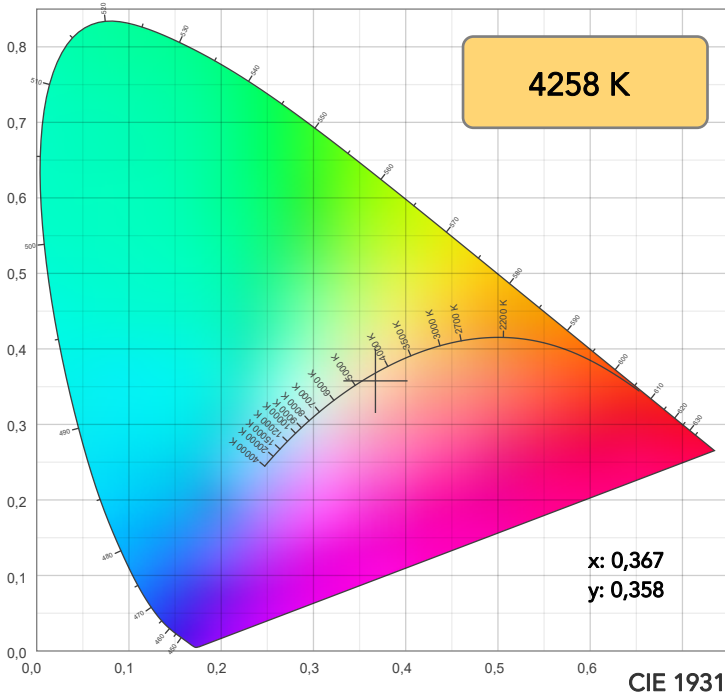
Field angle 10%: 91,1°

Cut off angle 2.5%: 128,2°

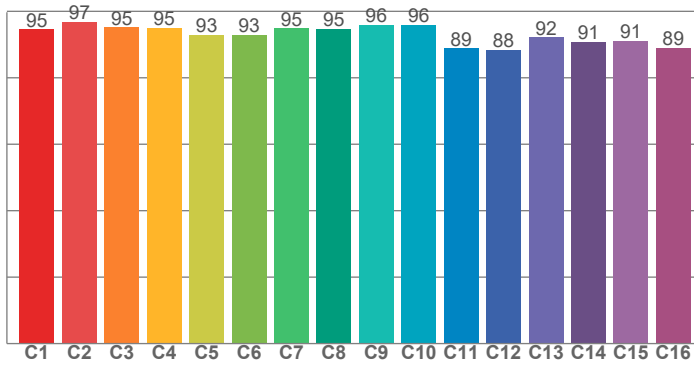
Spectra



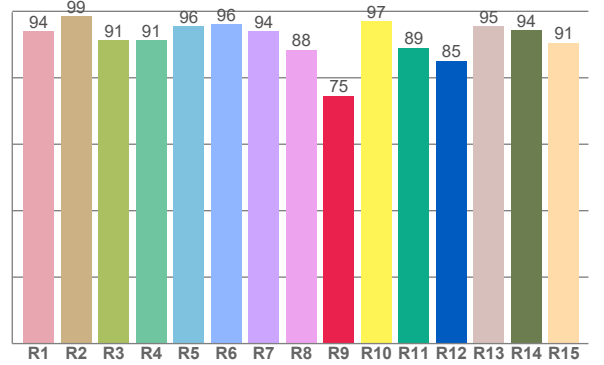
COLOR DETAILS



TM30: 93,2



CRI: 93,7 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,0	98,5	91,3	91,2	95,6	96,2	94,1	88,5	74,6	97,0	89,1	85,1	95,4	94,4	90,5

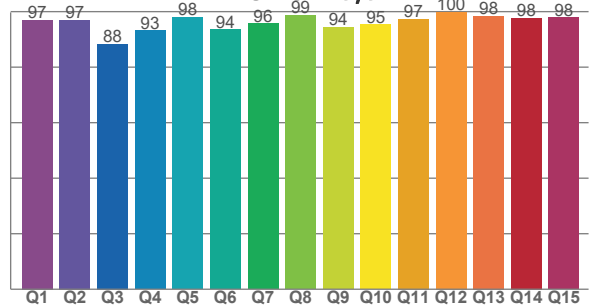
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,5	96,8	95,1	95,0	92,9	92,8	94,8	94,7	95,9	96,0	88,9	88,4	92,1	90,7	91,0	89,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,1	97,0	88,4	93,2	98,0	93,5	95,7	98,7	94,4	95,4	97,4	99,8	98,4	97,7	97,9

CQS: 95,3



COLOR PARAMETERS

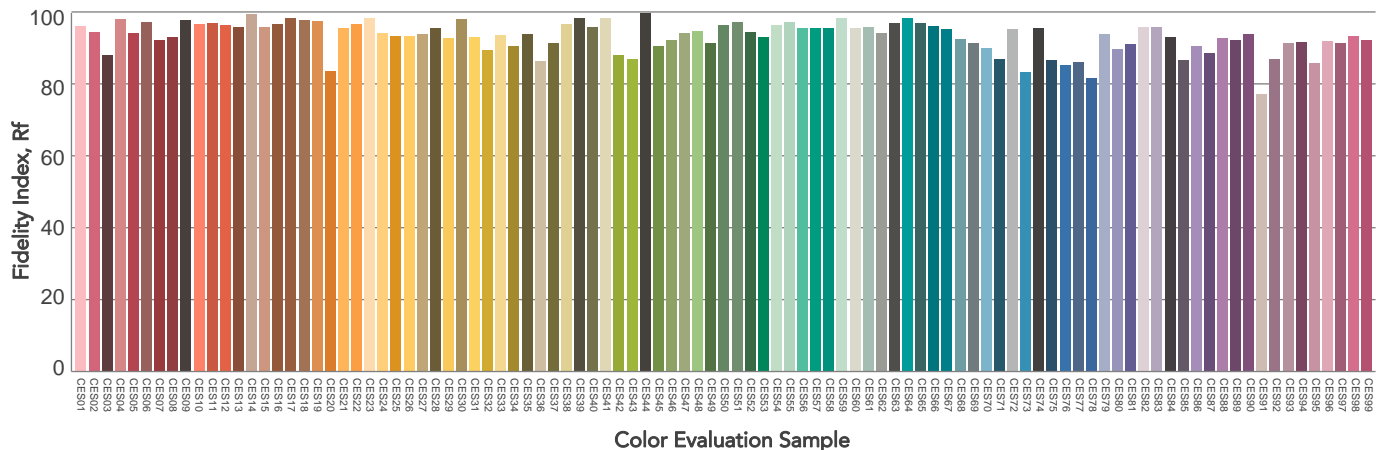
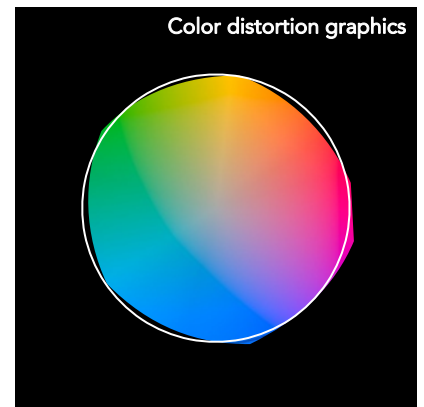
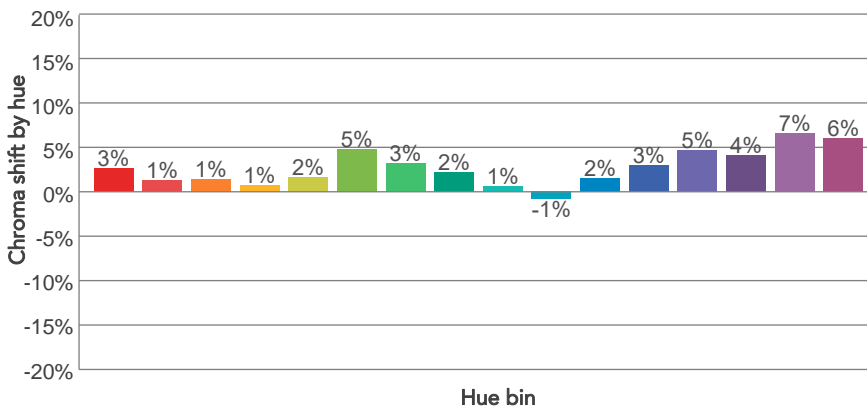
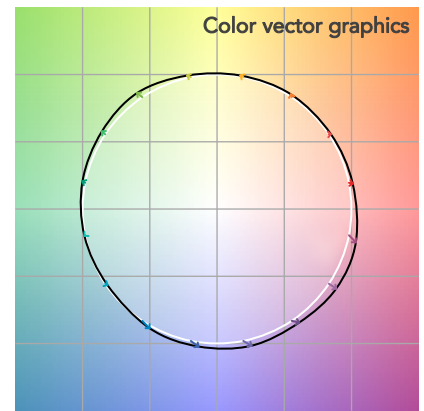
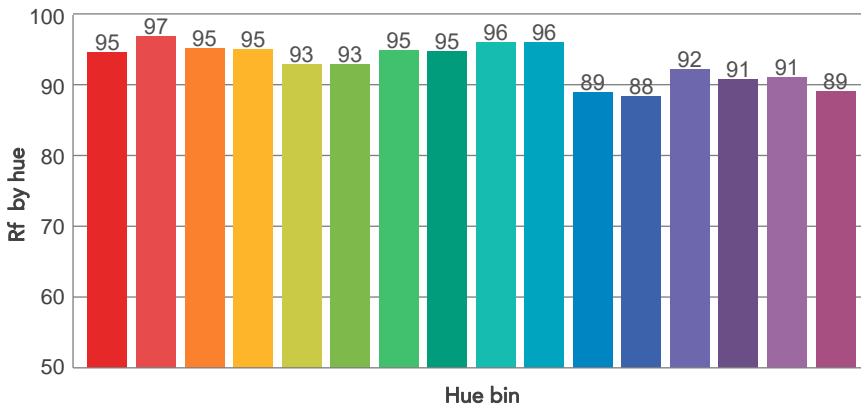
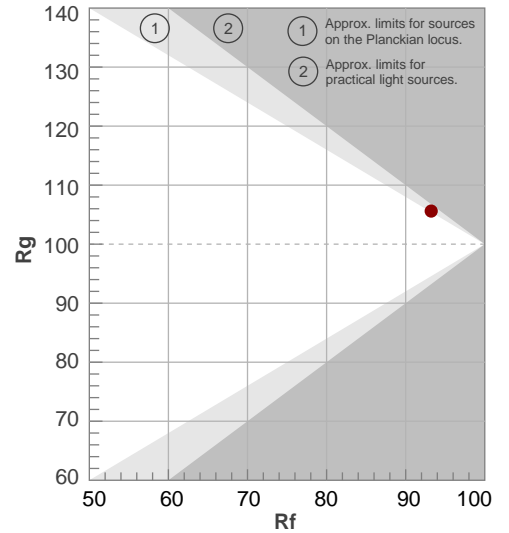
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4258 K	93,7	74,6	93,2	105,6	95,3	97	0,367	0,358	-0,0051

TM30 DETAILS

Rf 93,2
Fidelity index Rf

Rg 105,6
Gammut index

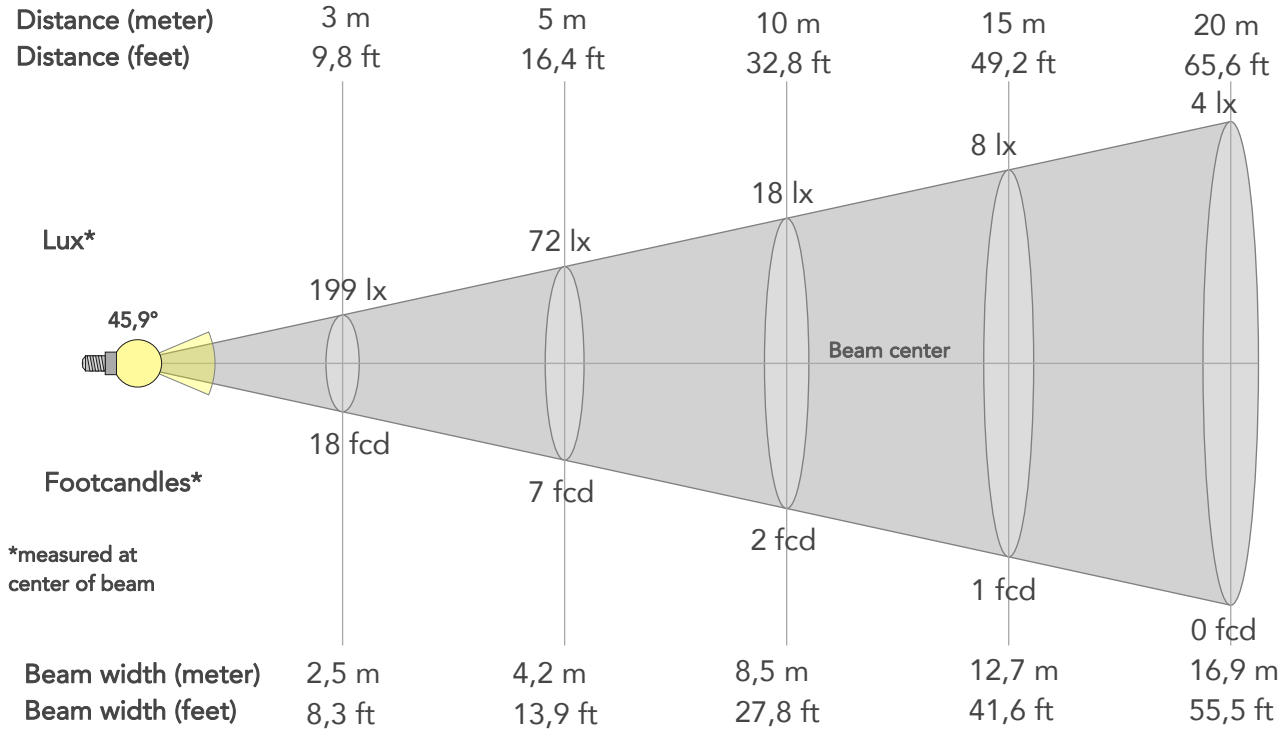
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	3%	-1%
2	97	1%	-1%
3	95	1%	2%
4	95	1%	2%
5	93	2%	2%
6	93	5%	1%
7	95	3%	0%
8	95	2%	-1%
9	96	1%	0%
10	96	-1%	2%
11	89	2%	8%
12	88	3%	6%
13	92	5%	5%
14	91	4%	4%
15	91	7%	0%
16	89	6%	-4%



BEAM DETAILS



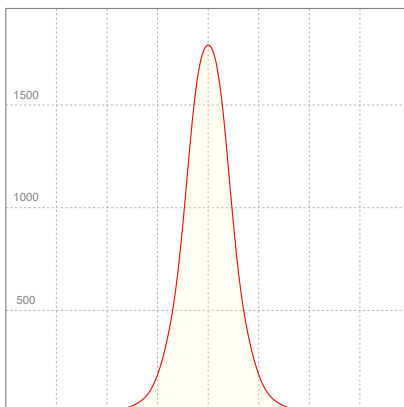
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,9°	91,1°	128,2°	94,9%	85,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1791lx	448lx	199lx	112lx	72lx	32lx	18lx	8lx	4lx	3lx	2lx	1lx	1lx
Footcand.	166fcd	42fcd	18fcd	10fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,4m	4,2m	6,3m	8,5m	12,7m	16,9m	21,2m	25,4m	33,8m	42,3m
Beam wid.	2,8ft	5,6ft	8,3ft	11,1ft	13,9ft	20,8ft	27,8ft	41,6ft	55,5ft	69,4ft	83,3ft	111ft	138,8ft

LINEAR DISTRIBUTION DIAGRAM

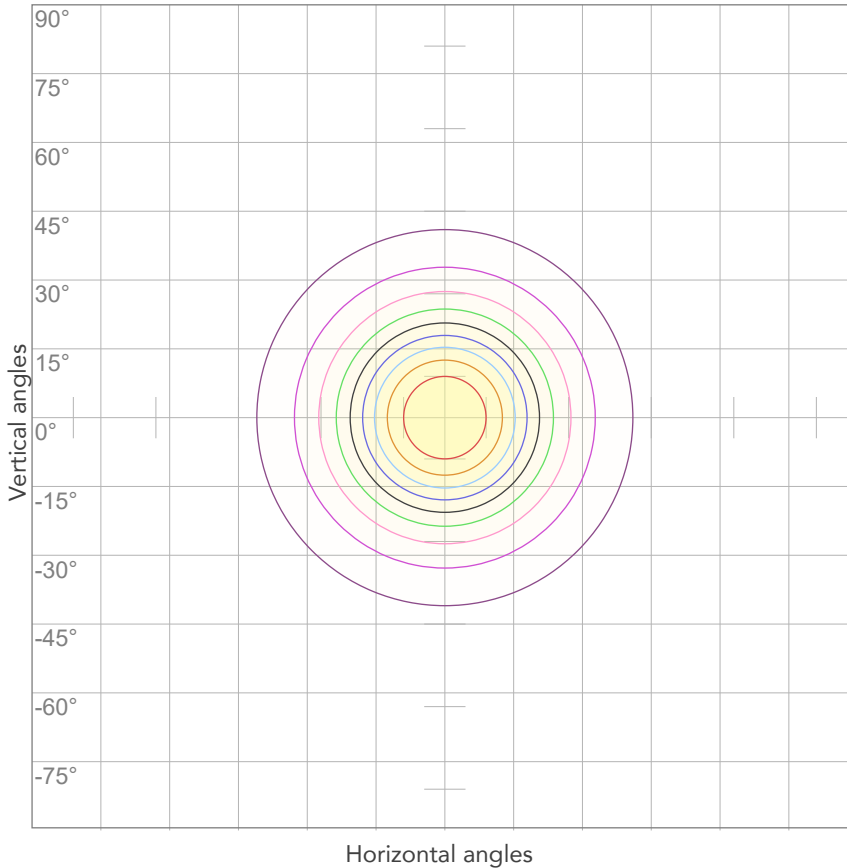


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,145A	31,1W	0,95	46lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



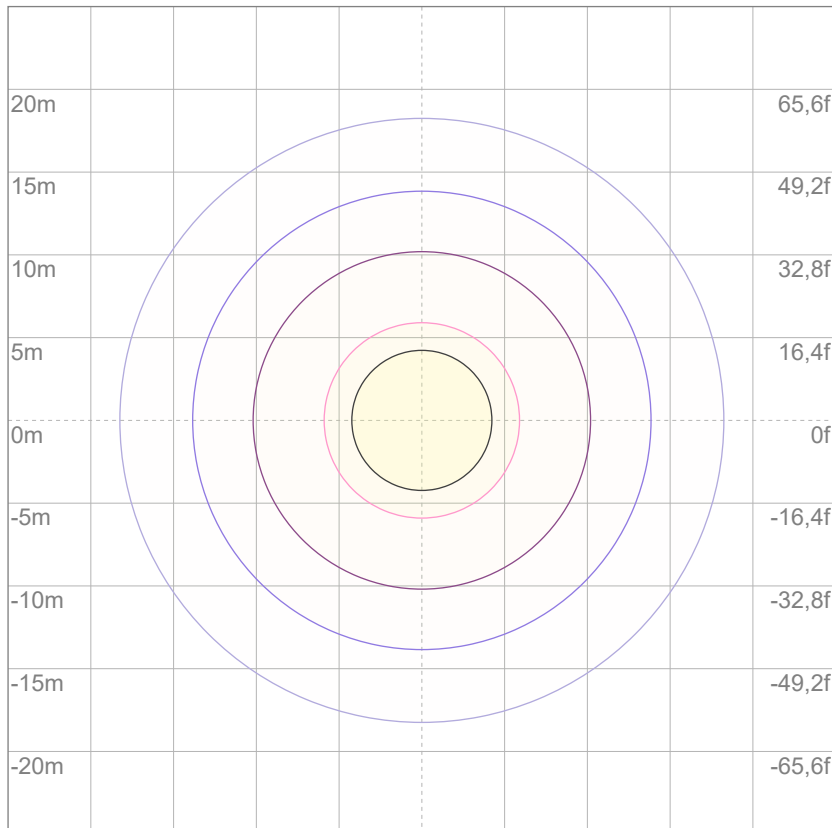
10%	179 cd
20%	358 cd
30%	537 cd
40%	716 cd
50%	895 cd
60%	1074 cd
70%	1253 cd
80%	1432 cd

Conditions:

Number of c-planes: 2

Candela at center: 1791 cd

ISO LUX DIAGRAM



3%	0,537 lx
5%	0,895 lx
10%	1,79 lx
30%	5,37 lx
50%	8,95 lx

Conditions:

Number of c-planes: 2

Lux at center: 17,9 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.



Total lumen output:

1483 lm

Peak candela output:

1353 cd

Light quality:

CRI: 93,9

Color temperature:

4296 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

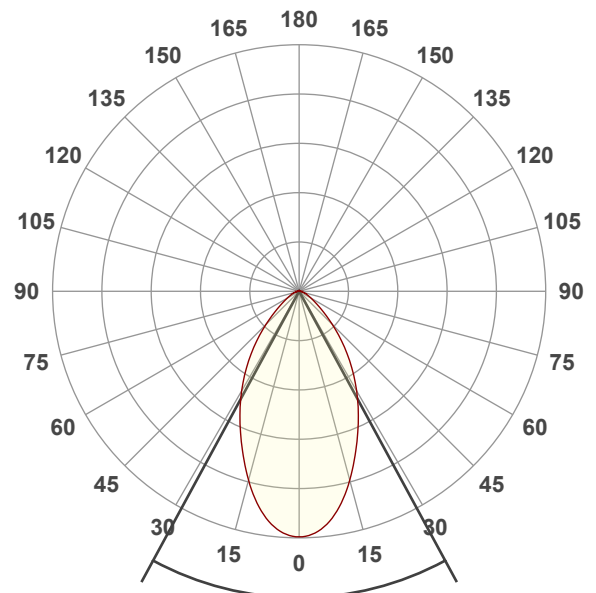
Full On

Operator:

Salvatore Giglio

Date and time:

20/02/2024 09:13:06

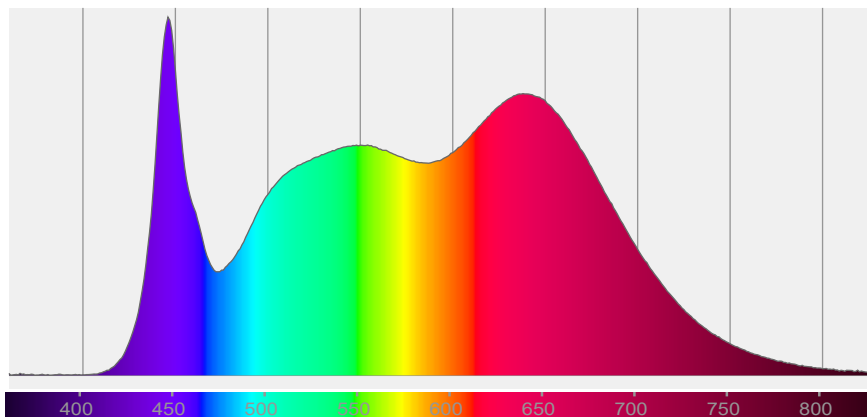


Beam angle 50%: 56,9°

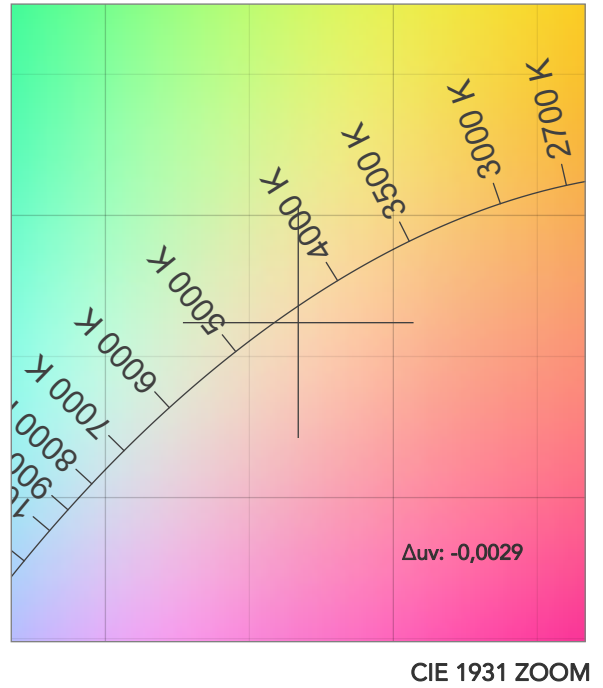
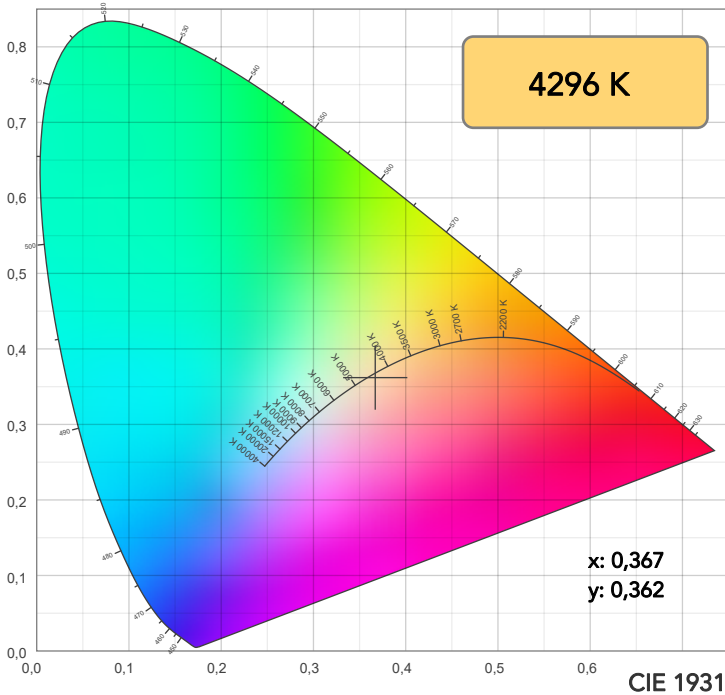
Field angle 10%: 105,4°

Cut off angle 2.5%: 142,6°

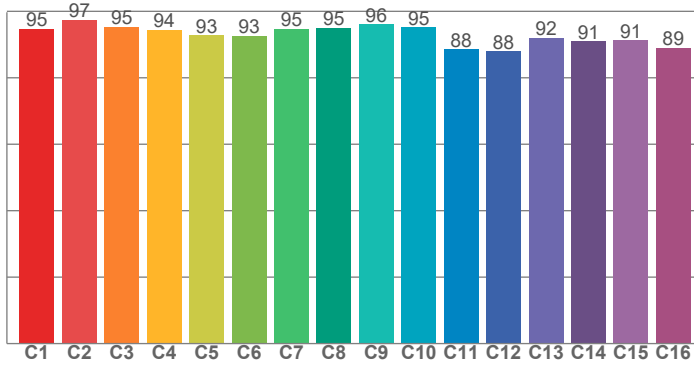
Spectra



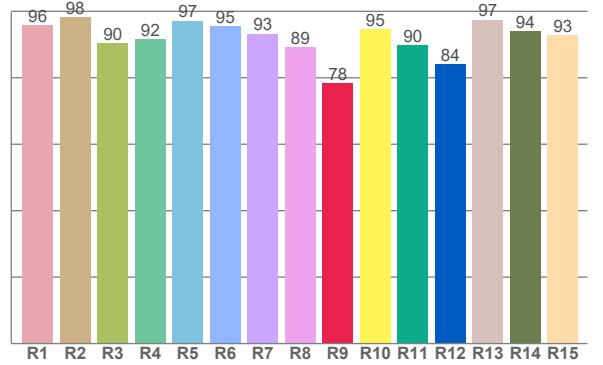
COLOR DETAILS



TM30: 93,2



CRI: 93,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,9	98,3	90,4	91,6	97,1	95,5	93,3	89,3	78,3	94,7	89,8	84,1	97,4	94,0	92,8

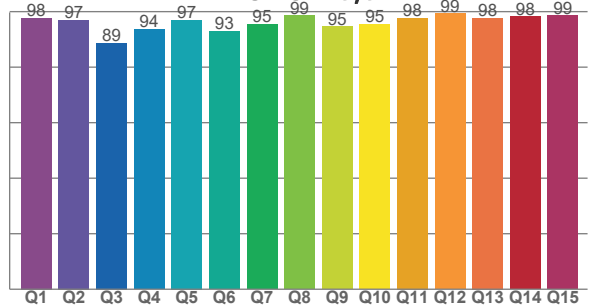
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,8	97,4	95,3	94,5	92,8	92,7	94,8	95,1	96,1	95,2	88,5	87,9	92,0	91,0	91,3	89,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,7	97,0	88,7	93,6	97,0	92,9	95,4	98,6	94,6	95,4	97,7	99,3	97,7	98,2	98,6

CQS: 95,3



COLOR PARAMETERS

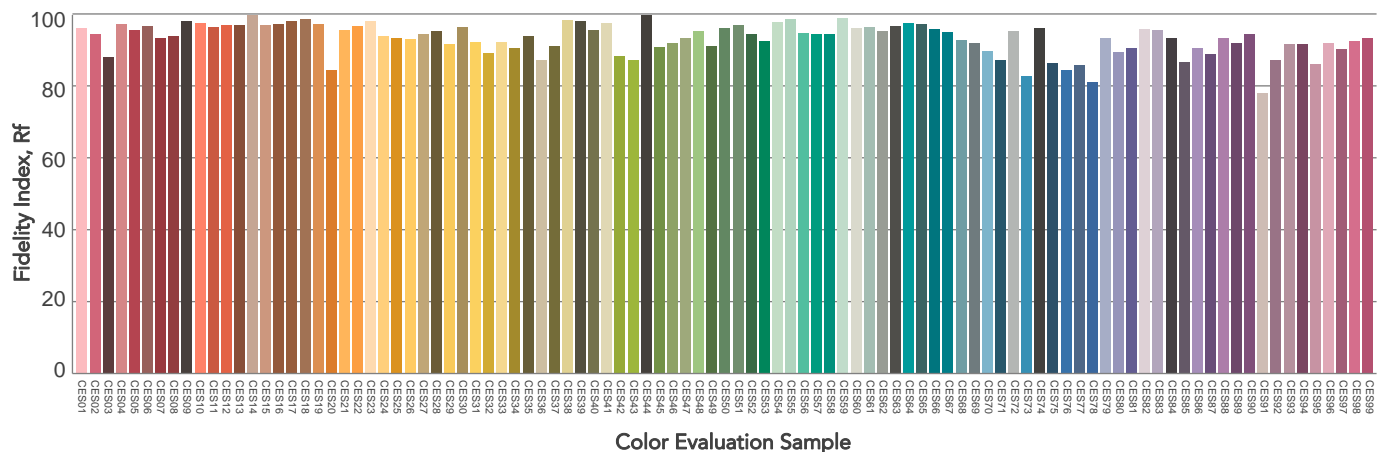
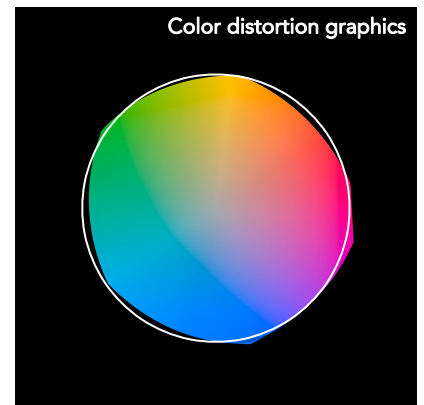
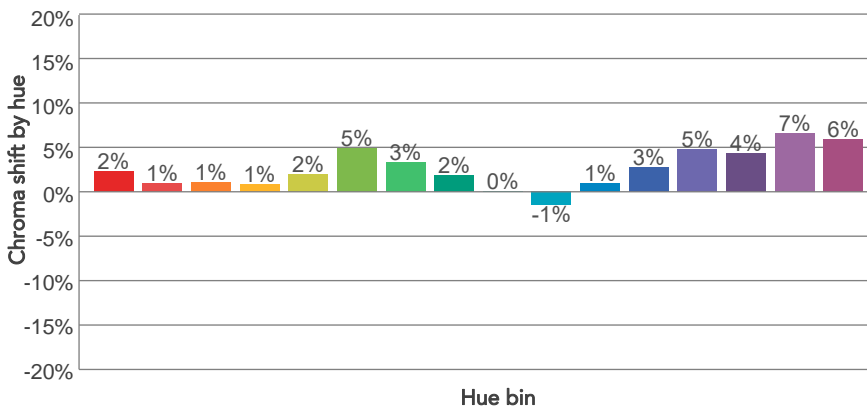
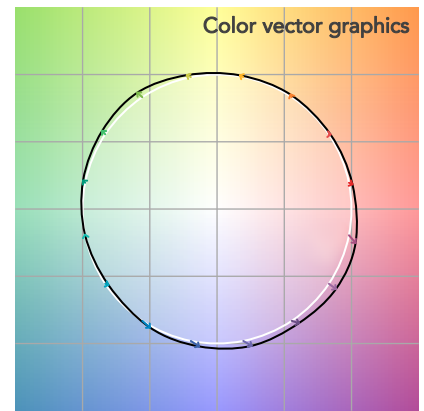
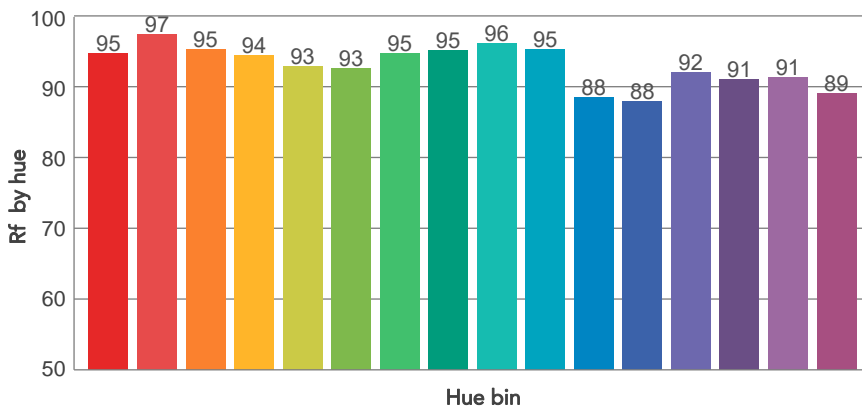
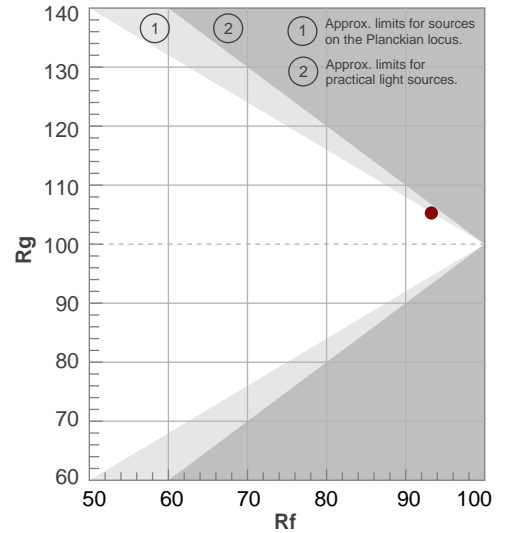
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4296 K	93,9	78,3	93,2	105,3	95,3	97	0,367	0,362	-0,0029

TM30 DETAILS

Rf 93,2
Fidelity index Rf

Rg 105,3
Gammut index

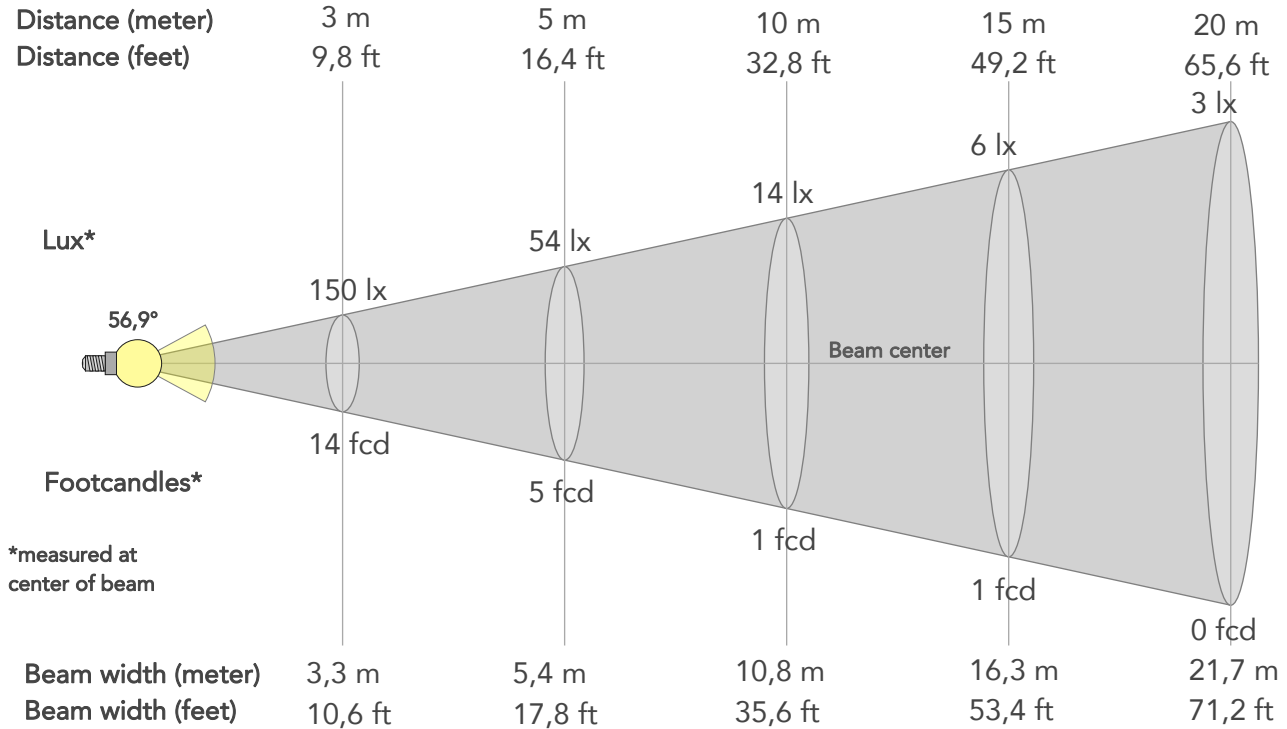
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-2%
2	97	1%	-1%
3	95	1%	2%
4	94	1%	3%
5	93	2%	3%
6	93	5%	1%
7	95	3%	-1%
8	95	2%	-1%
9	96	0%	0%
10	95	-1%	2%
11	88	1%	7%
12	88	3%	7%
13	92	5%	5%
14	91	4%	4%
15	91	7%	0%
16	89	6%	-5%



BEAM DETAILS



Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,9°	105,4°	142,6°	94,1%	81,4%

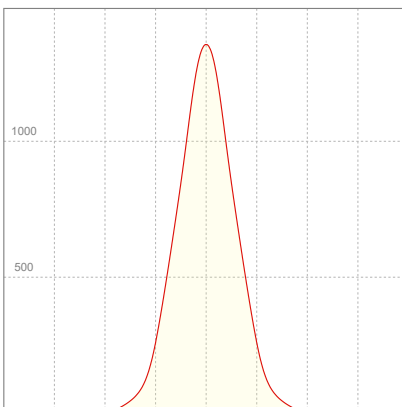


*measured at center of beam

BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1353lx	338lx	150lx	85lx	54lx	24lx	14lx	6lx	3lx	2lx	2lx	1lx	1lx
Footcand.	126fcd	31fcd	14fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,3m	5,4m	8,1m	10,8m	16,3m	21,7m	27,1m	32,5m	43,4m	54,2m
Beam wid.	3,6ft	7,2ft	10,6ft	14,2ft	17,8ft	26,7ft	35,6ft	53,4ft	71,2ft	88,9ft	106,7ft	142,3ft	177,9ft

LINEAR DISTRIBUTION DIAGRAM

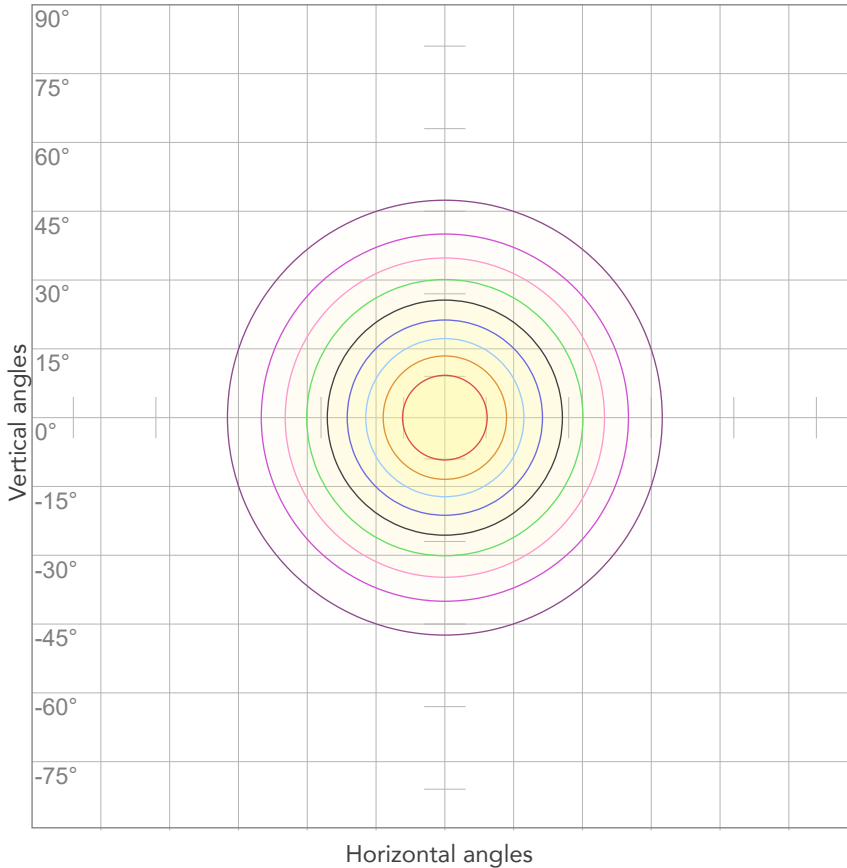


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,150A	32,0W	0,95	46lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



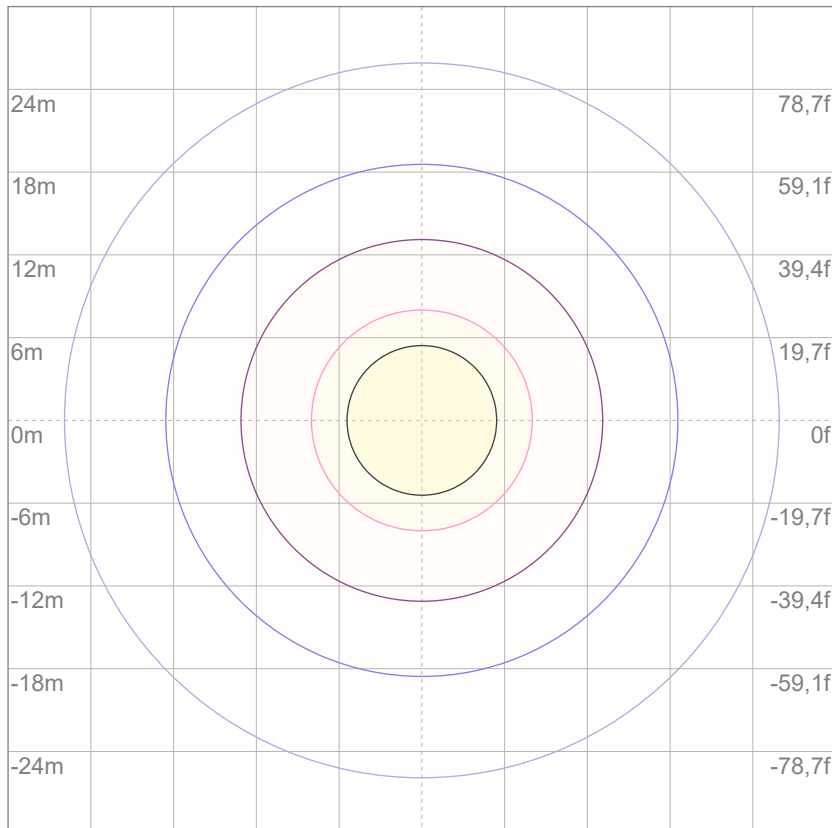
10%	135 cd
20%	271 cd
30%	406 cd
40%	541 cd
50%	677 cd
60%	812 cd
70%	947 cd
80%	1083 cd

Conditions:

Number of c-planes: 2

Candela at center: 1353 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,406 lx
5%	0,677 lx
10%	1,35 lx
30%	4,06 lx
50%	6,77 lx

Conditions:

Number of c-planes: 2

Lux at center: 13,5 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.



Total lumen output:

2245 lm

Peak candela output:

4576 cd

Light quality:

CRI: 93,8

Color temperature:

4230 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

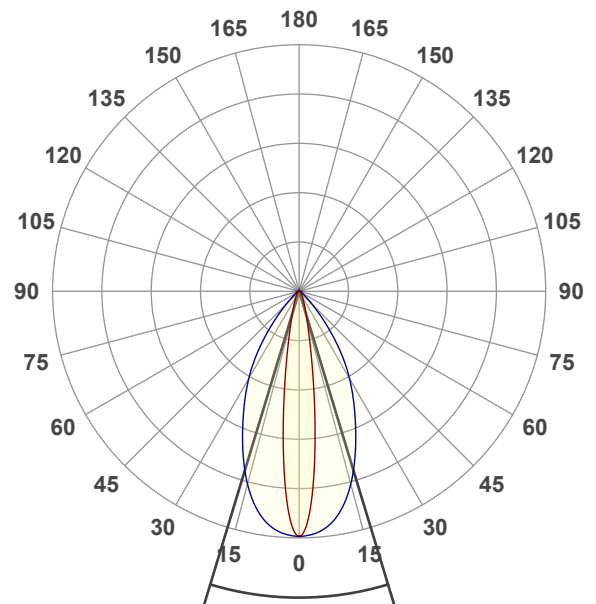
Full On

Operator:

Salvatore Giglio

Date and time:

20/02/2024 11:15:09

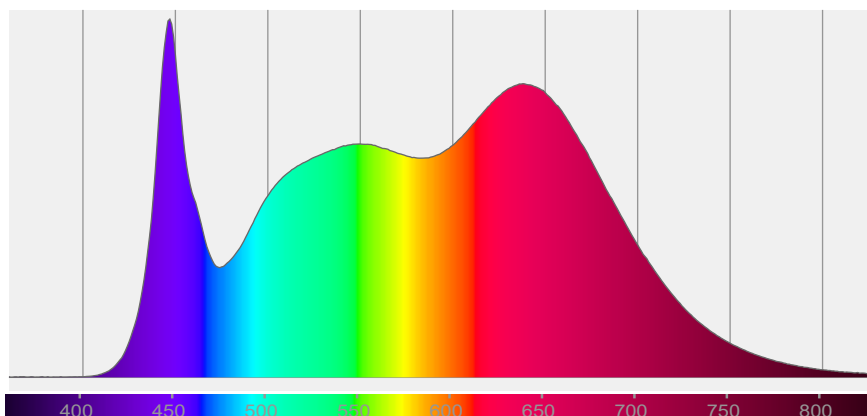


Beam angle 50%: 33,7°

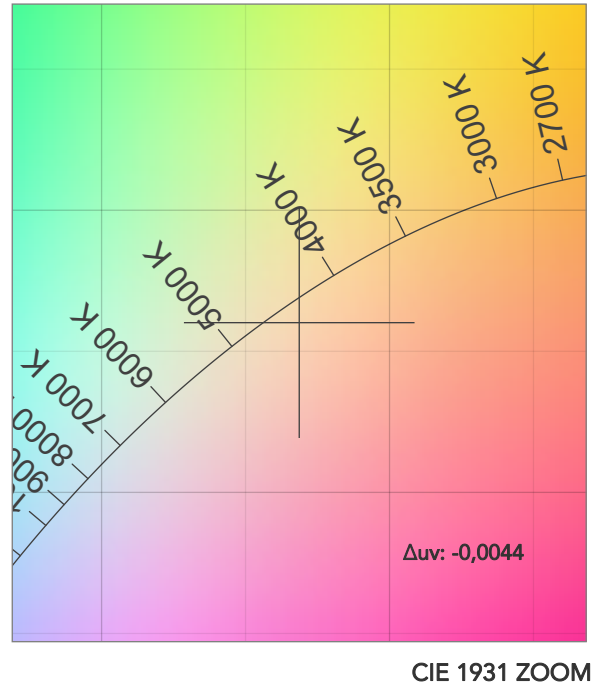
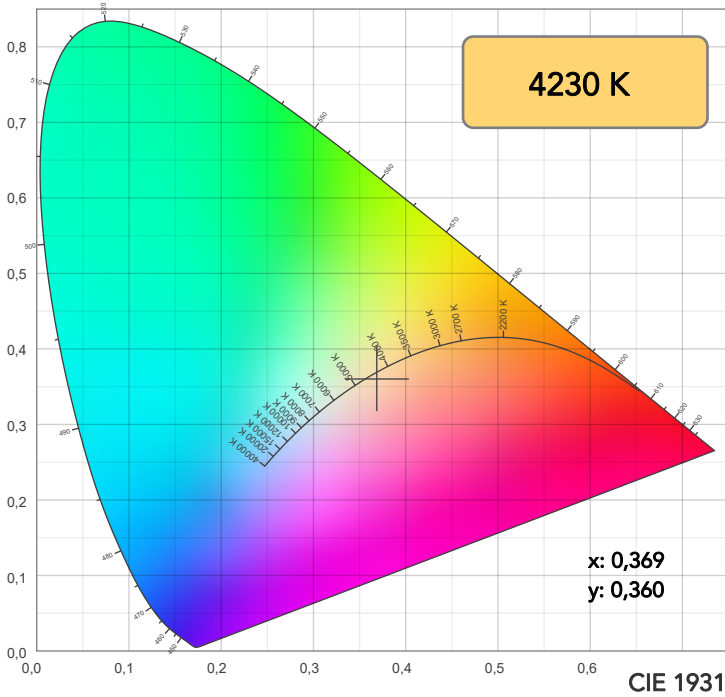
Field angle 10%: 59,8°

Cut off angle 2.5%: 84,2°

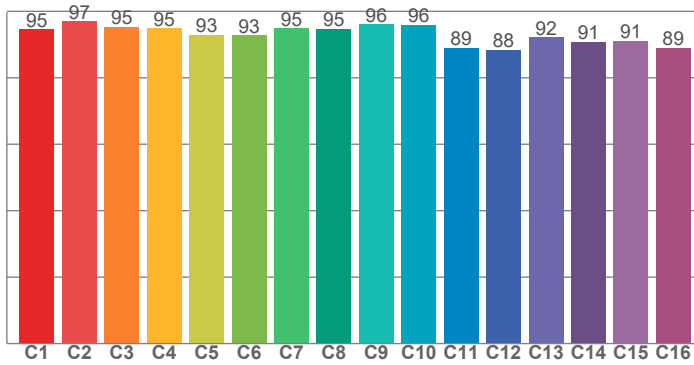
Spectra



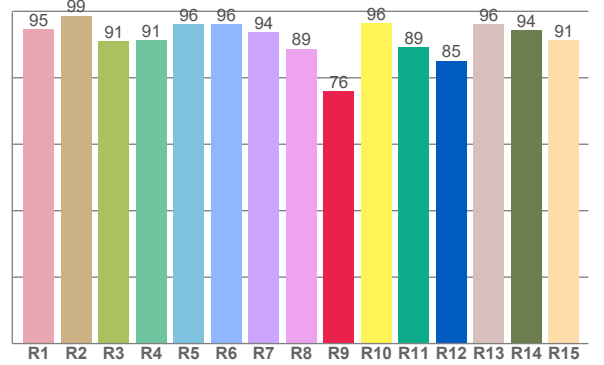
COLOR DETAILS



TM30: 93,3



CRI: 93,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,7	98,7	91,0	91,3	96,1	96,1	93,8	88,8	76,0	96,4	89,3	85,1	96,1	94,3	91,3

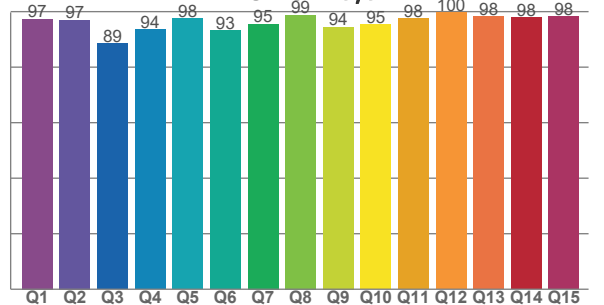
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,6	97,0	95,3	94,9	92,9	92,8	94,8	94,8	96,0	96,0	88,9	88,3	92,1	90,9	91,1	89,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,4	97,0	88,5	93,5	97,5	93,2	95,5	98,7	94,5	95,4	97,5	99,7	98,2	97,9	98,2

CQS: 95,3



COLOR PARAMETERS

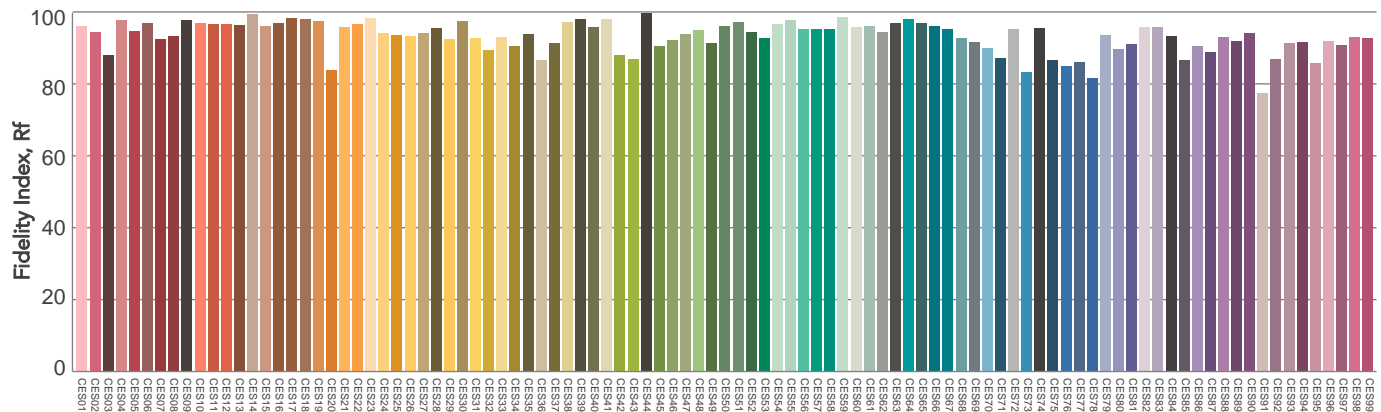
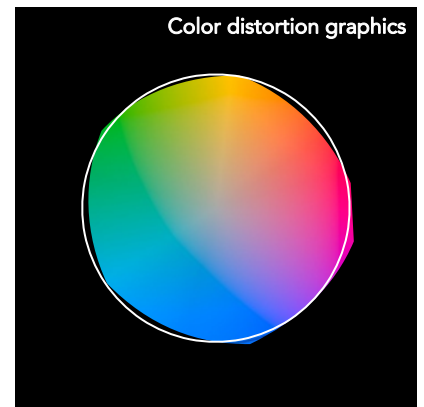
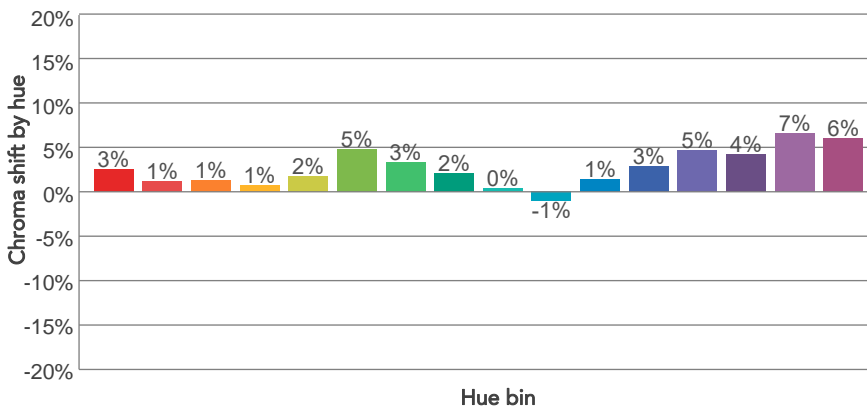
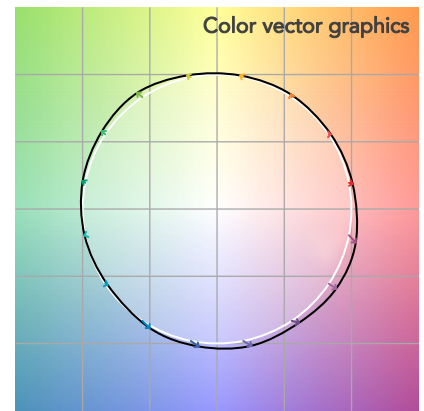
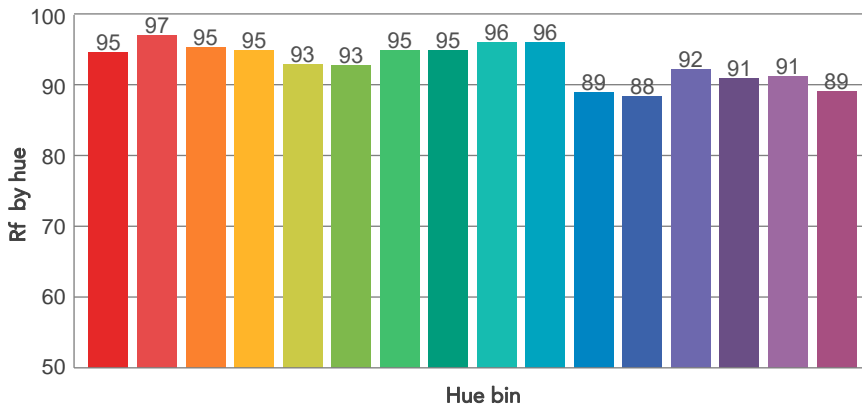
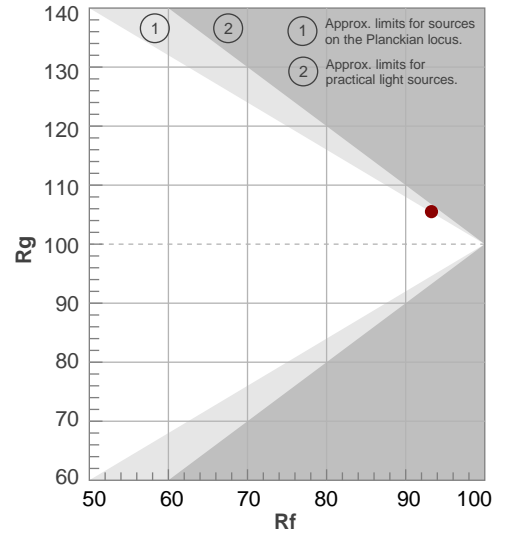
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4230 K	93,8	76,0	93,3	105,5	95,3	97	0,369	0,360	-0,0044

TM30 DETAILS

Rf 93,3
Fidelity index Rf

Rg 105,5
Gammut index

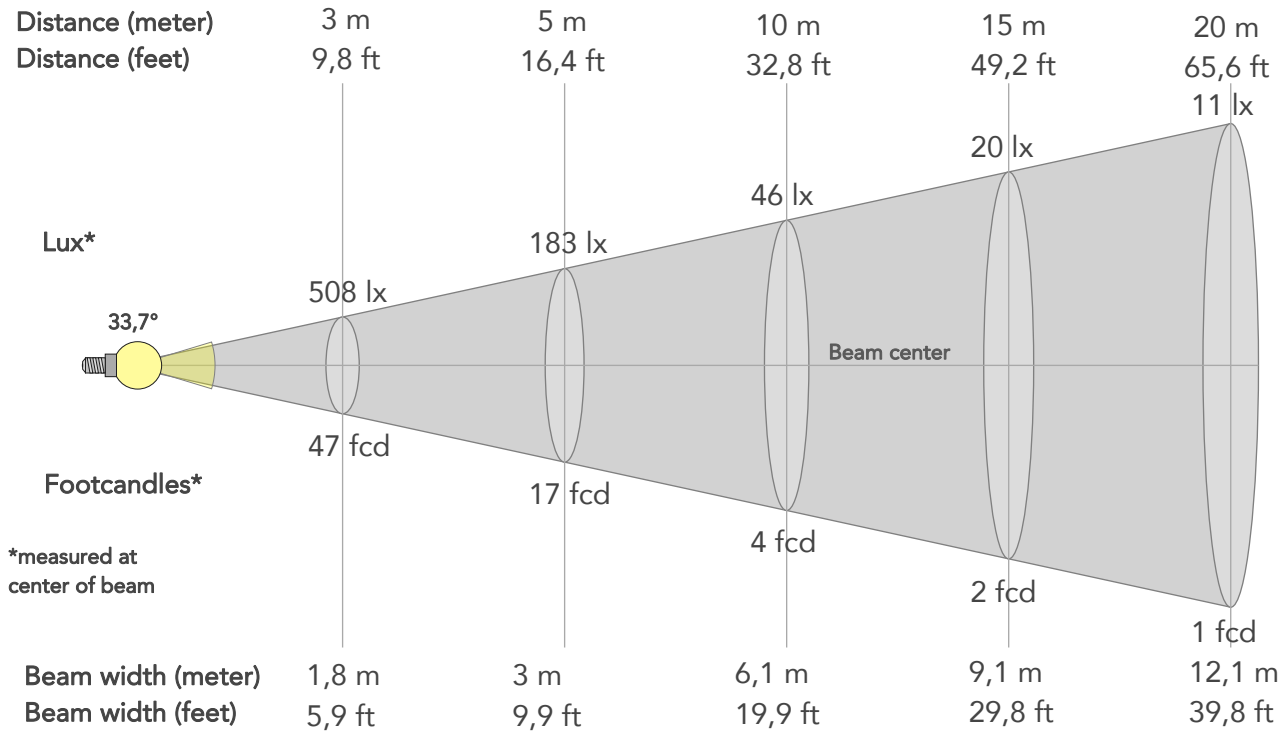
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	3%	-1%
2	97	1%	-1%
3	95	1%	2%
4	95	1%	2%
5	93	2%	2%
6	93	5%	1%
7	95	3%	-1%
8	95	2%	-1%
9	96	0%	0%
10	96	-1%	2%
11	89	1%	7%
12	88	3%	6%
13	92	5%	5%
14	91	4%	4%
15	91	7%	0%
16	89	6%	-4%



BEAM DETAILS



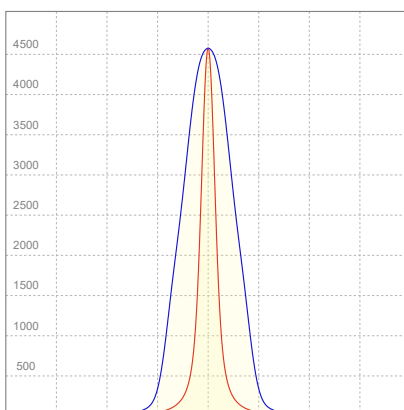
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,7°	59,8°	84,2°	97,4%	92,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	4569lx	1142lx	508lx	286lx	183lx	81lx	46lx	20lx	11lx	7lx	5lx	3lx	2lx
Footcand.	424fcd	106fcd	47fcd	27fcd	17fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6,1m	9,1m	12,1m	15,2m	18,2m	24,3m	30,3m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,9ft	19,9ft	29,8ft	39,8ft	49,7ft	59,7ft	79,6ft	99,4ft

LINEAR DISTRIBUTION DIAGRAM

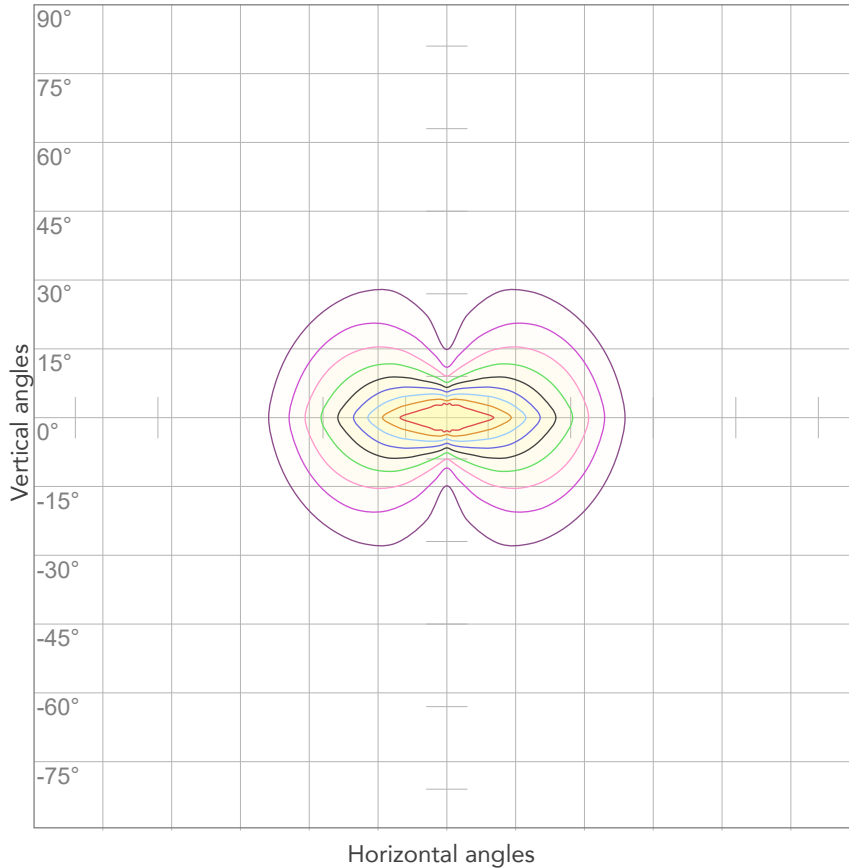


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,145A	31,4W	0,96	72lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



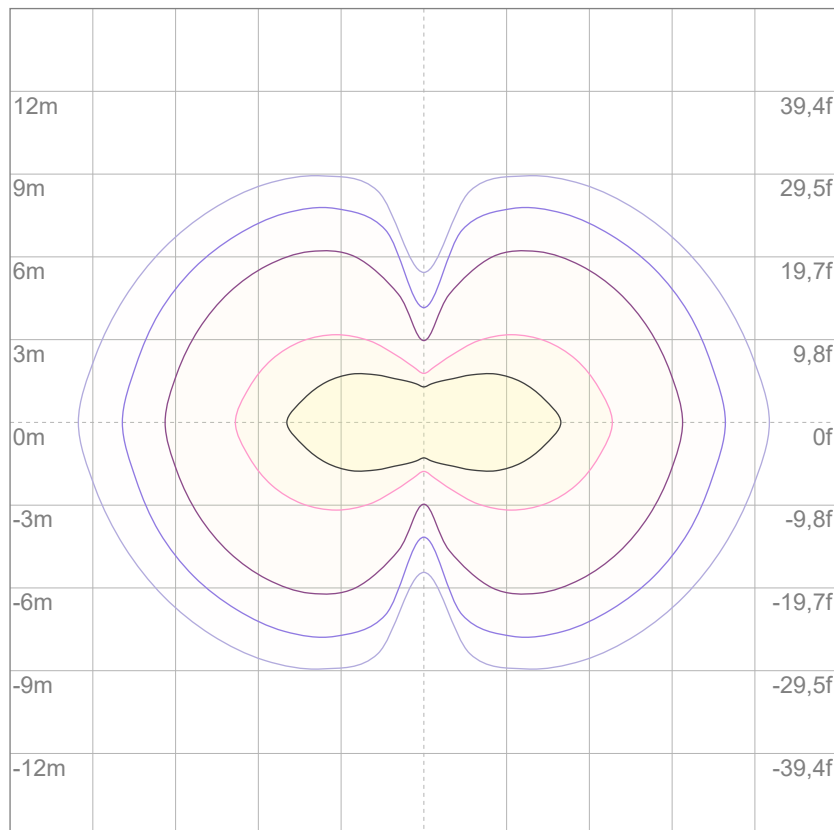
10%	457 cd
20%	914 cd
30%	1371 cd
40%	1828 cd
50%	2285 cd
60%	2741 cd
70%	3198 cd
80%	3655 cd

Conditions:

Number of c-planes: 4

Candela at center: 4569 cd

ISO LUX DIAGRAM



3%	1,37 lx
5%	2,28 lx
10%	4,57 lx
30%	13,7 lx
50%	22,8 lx

Conditions:

Number of c-planes: 4

Lux at center: 45,7 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.



Total lumen output:

1400 lm

Peak candela output:

2304 cd

Light quality:

CRI: 93,8

Color temperature:

4270 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

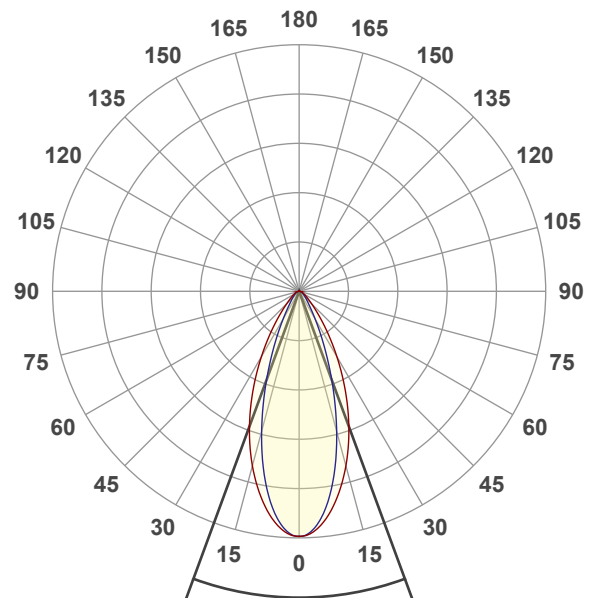
Full On

Operator:

Salvatore Giglio

Date and time:

20/02/2024 11:48:47

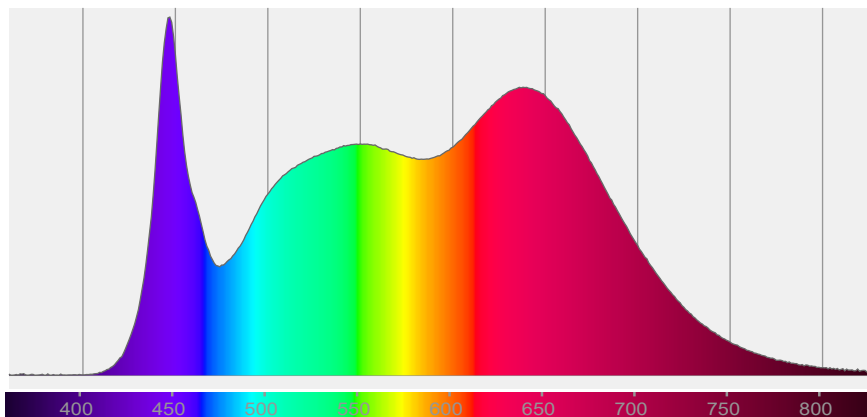


Beam angle 50%: 40,4°

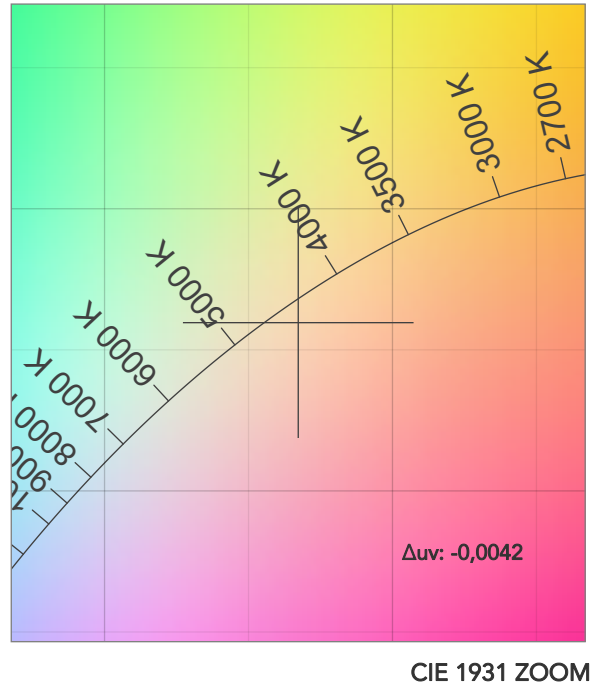
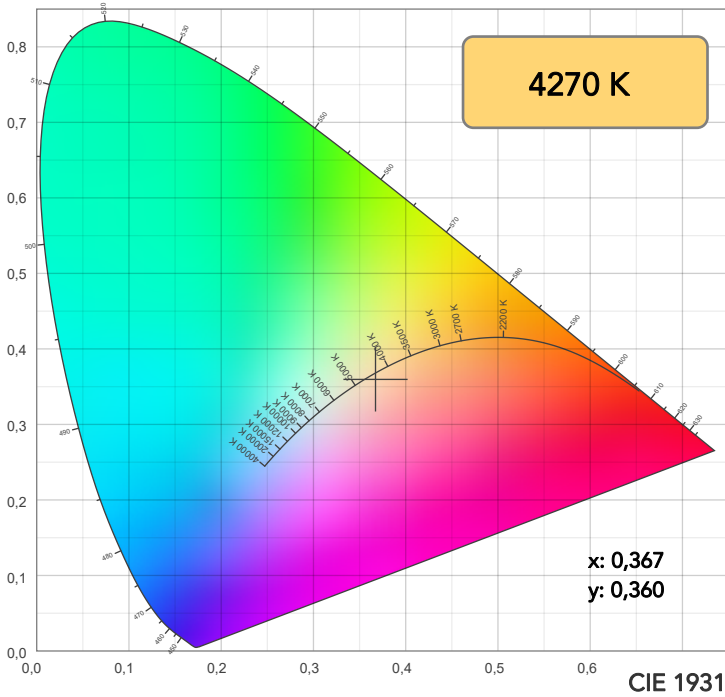
Field angle 10%: 74°

Cut off angle 2.5%: 111,6°

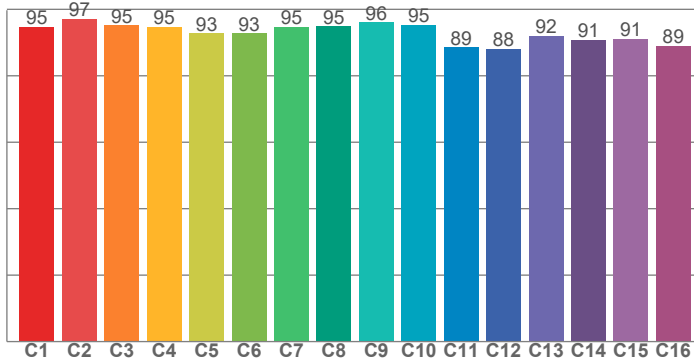
Spectra



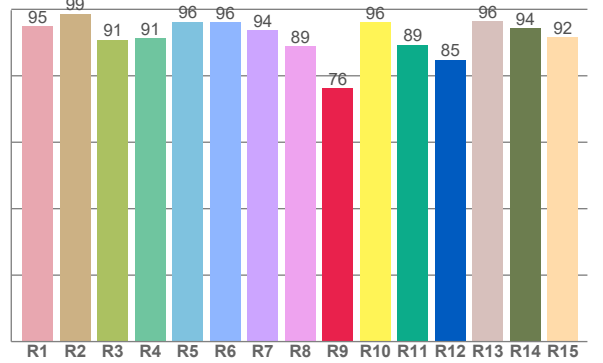
COLOR DETAILS



TM30: 93,2



CRI: 93,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,8	98,7	90,9	91,4	96,3	96,0	93,7	88,8	76,2	96,2	89,4	84,9	96,3	94,2	91,5

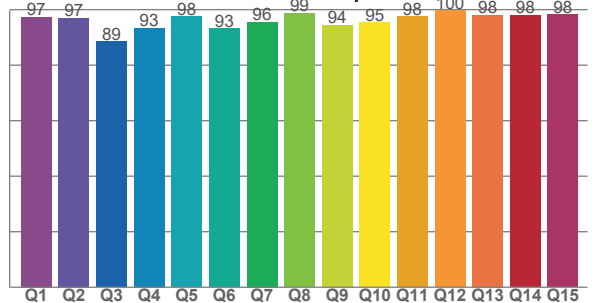
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,6	97,1	95,2	94,7	92,8	92,7	94,8	94,9	96,0	95,3	88,5	88,2	92,1	90,8	91,1	89,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,4	96,9	88,5	93,4	97,5	93,2	95,5	98,7	94,5	95,4	97,5	99,7	98,1	97,9	98,2

CQS: 95,3



COLOR PARAMETERS

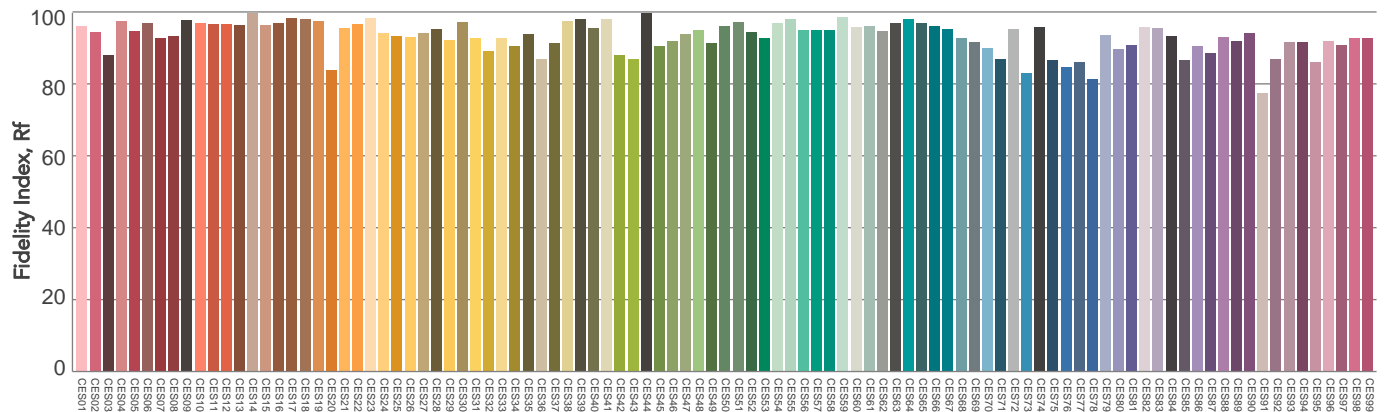
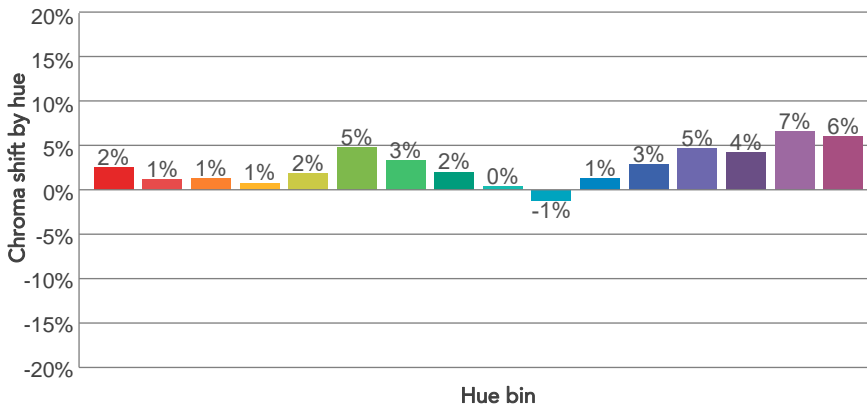
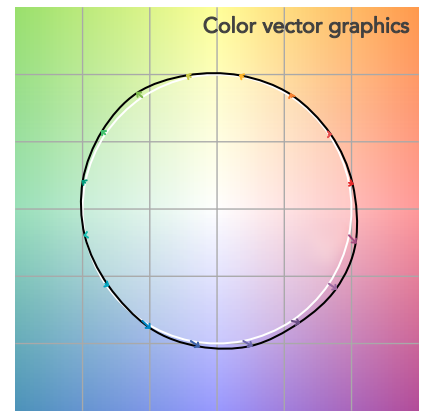
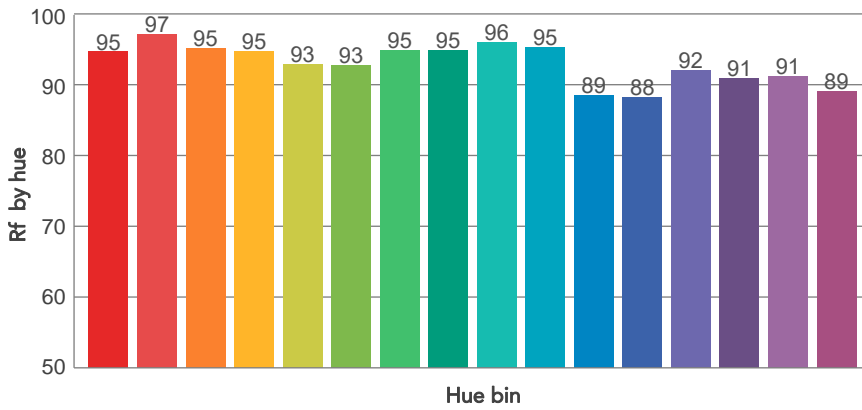
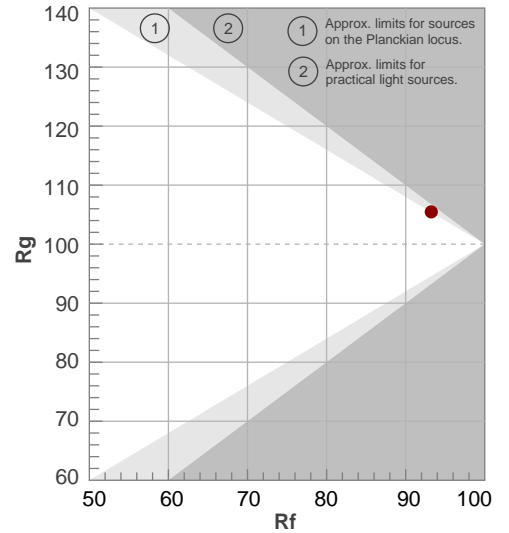
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4270 K	93,8	76,2	93,2	105,5	95,3	97	0,367	0,360	-0,0042

TM30 DETAILS

Rf 93,2
Fidelity index Rf

Rg 105,5
Gammut index

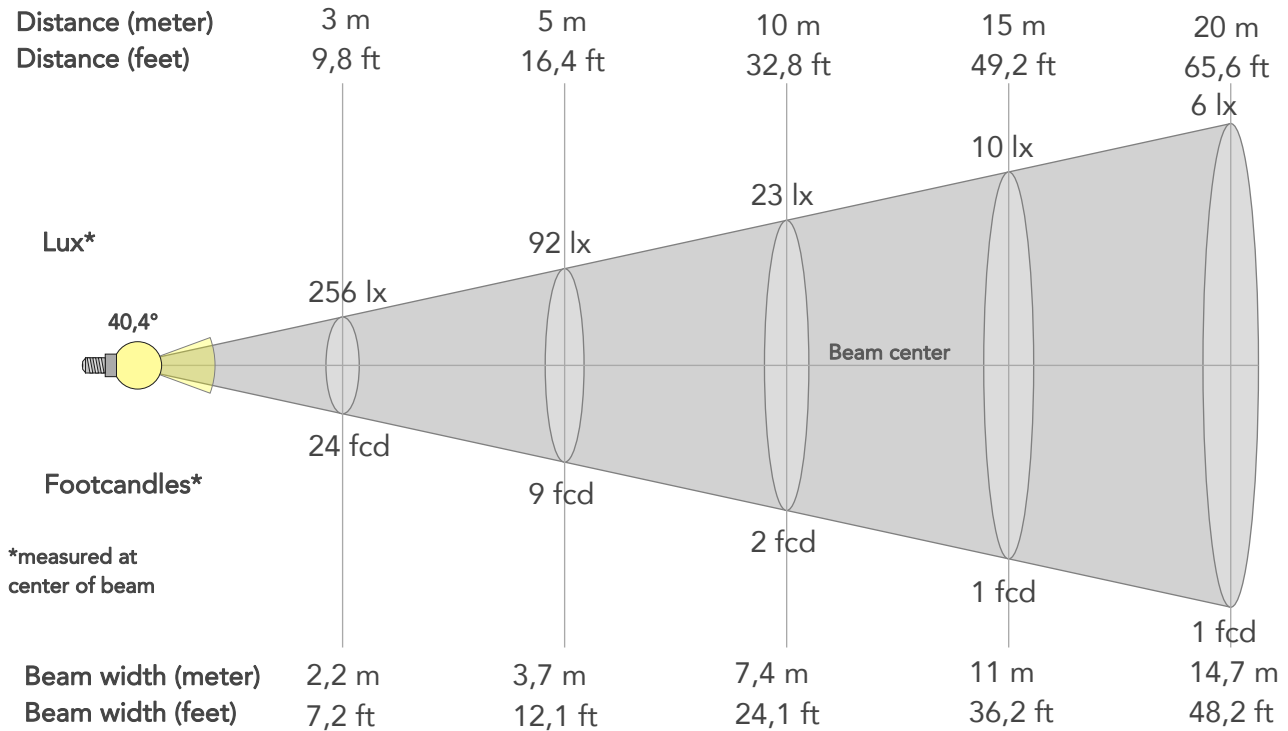
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	97	1%	-1%
3	95	1%	2%
4	95	1%	2%
5	93	2%	3%
6	93	5%	1%
7	95	3%	-1%
8	95	2%	-1%
9	96	0%	0%
10	95	-1%	2%
11	89	1%	7%
12	88	3%	7%
13	92	5%	5%
14	91	4%	4%
15	91	7%	0%
16	89	6%	-4%



BEAM DETAILS



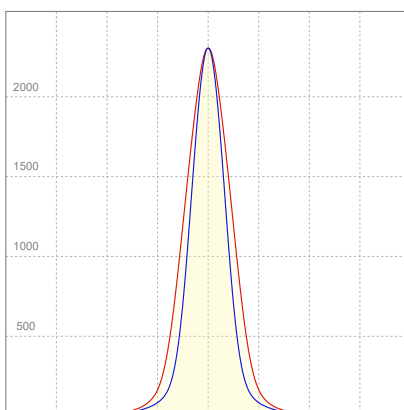
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40,4°	74°	111,6°	95,5%	88,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2302lx	575lx	256lx	144lx	92lx	41lx	23lx	10lx	6lx	4lx	3lx	1lx	1lx
Footcand.	214fcd	53fcd	24fcd	13fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	2,9m	3,7m	5,5m	7,4m	11m	14,7m	18,4m	22,1m	29,4m	36,8m
Beam wid.	2,4ft	4,9ft	7,2ft	9,6ft	12,1ft	18,1ft	24,1ft	36,2ft	48,2ft	60,3ft	72,4ft	96,5ft	120,6ft

LINEAR DISTRIBUTION DIAGRAM

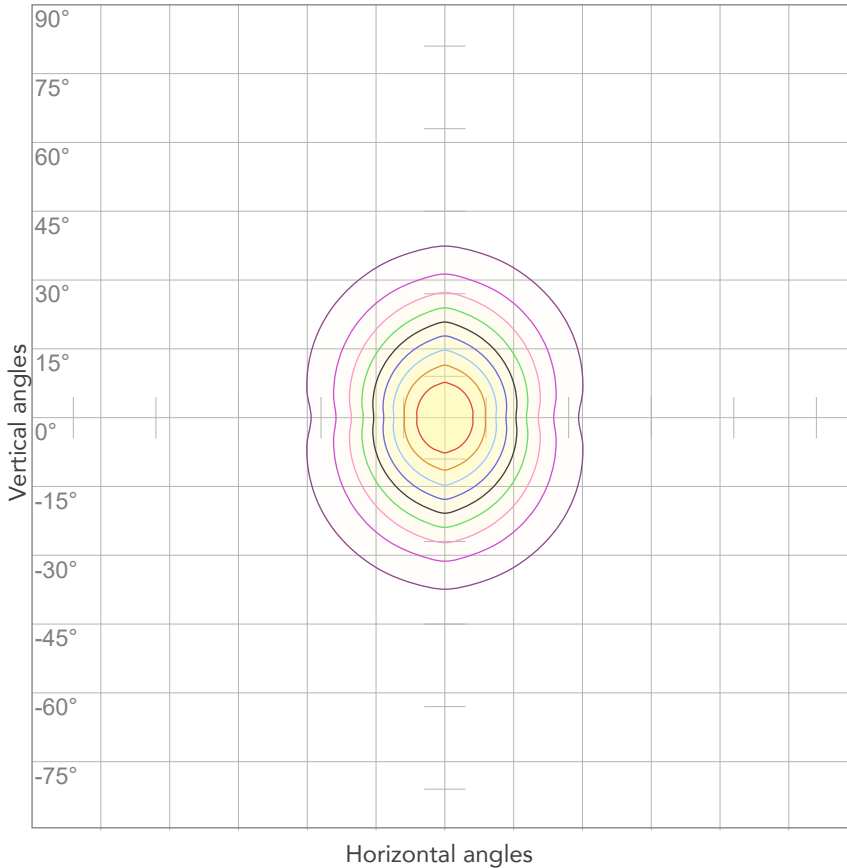


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,146A	31,4W	0,96	45lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



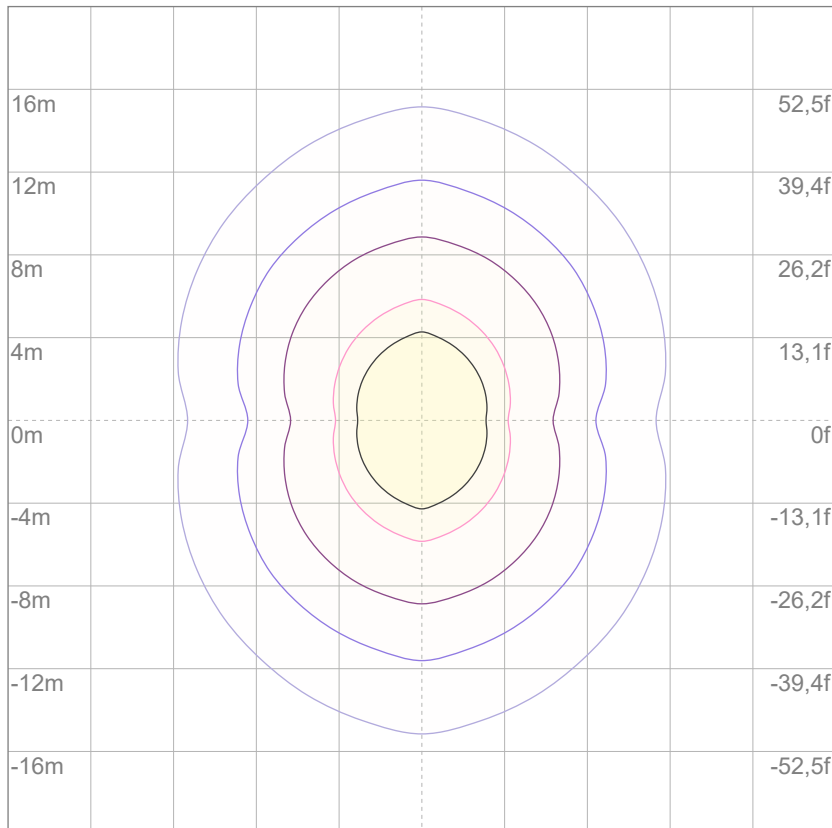
10%	230 cd
20%	460 cd
30%	691 cd
40%	921 cd
50%	1151 cd
60%	1381 cd
70%	1611 cd
80%	1841 cd

Conditions:

Number of c-planes: 4

Candela at center: 2302 cd

ISO LUX DIAGRAM



3%	0,691 lx
5%	1,15 lx
10%	2,30 lx
30%	6,91 lx
50%	11,5 lx

Conditions:

Number of c-planes: 4

Lux at center: 23,0 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1166 lm

Peak candela output:

22763 cd

Light quality:

CRI: 96,6

Color temperature:

2616 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

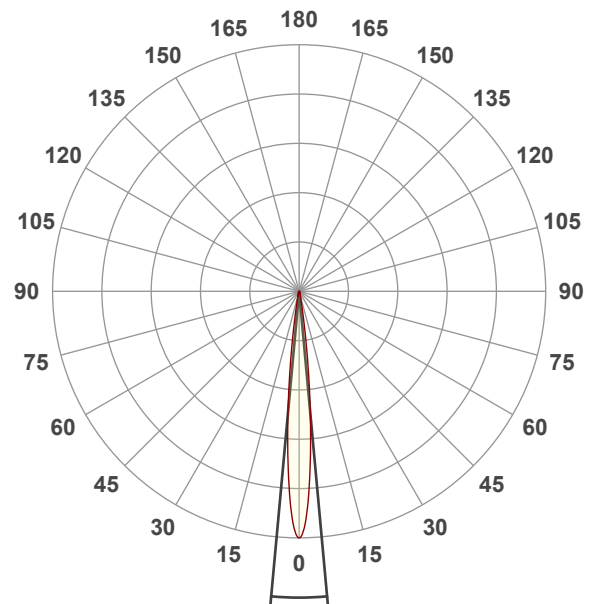
Warm White

Operator:

Salvatore Giglio

Date and time:

19/02/2024 16:13:45

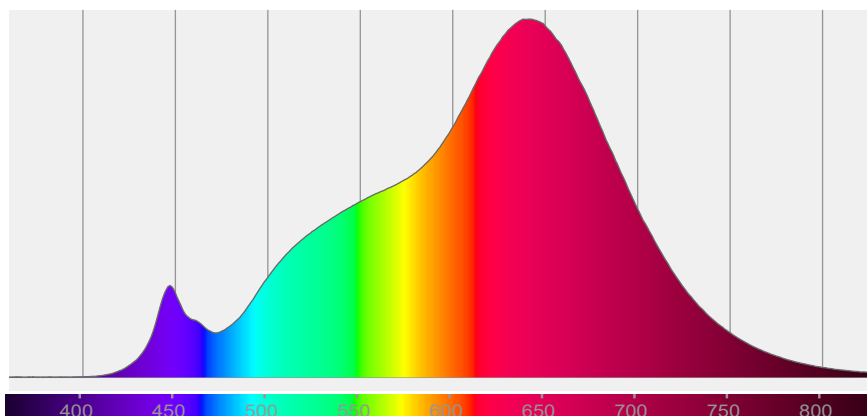


Beam angle 50%: 10,5°

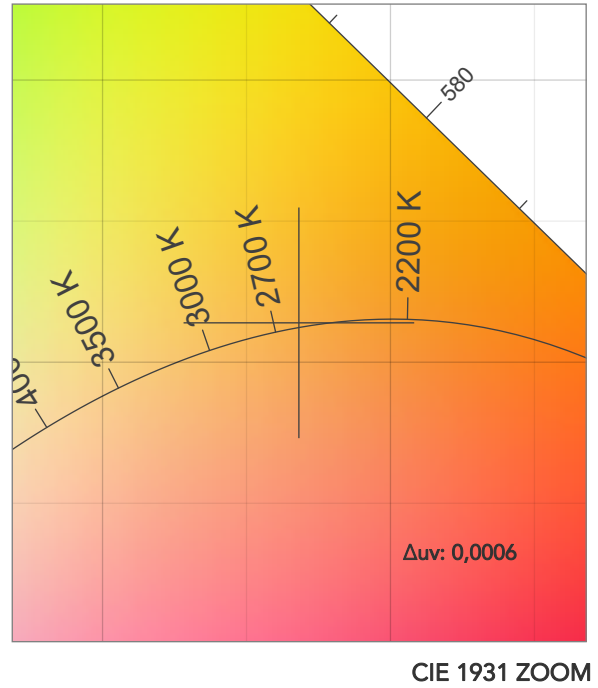
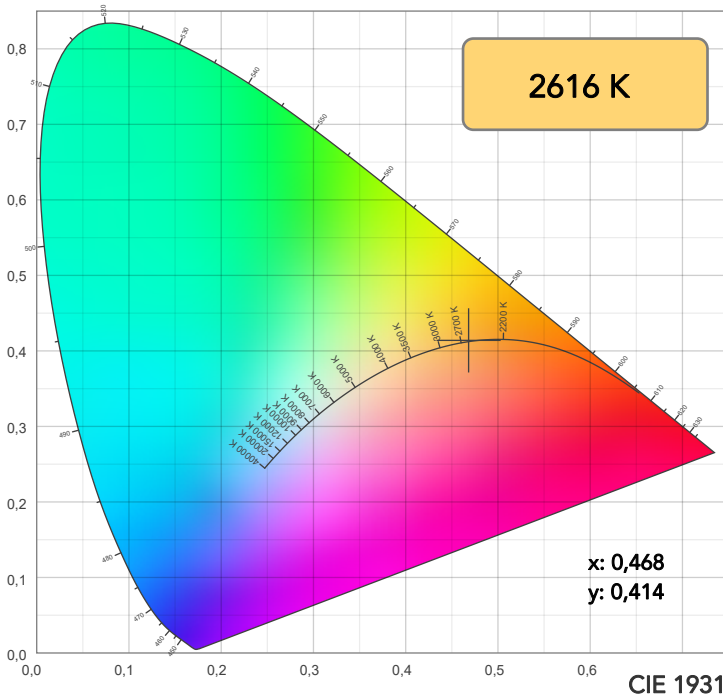
Field angle 10%: 18,8°

Cut off angle 2.5%: 27,6°

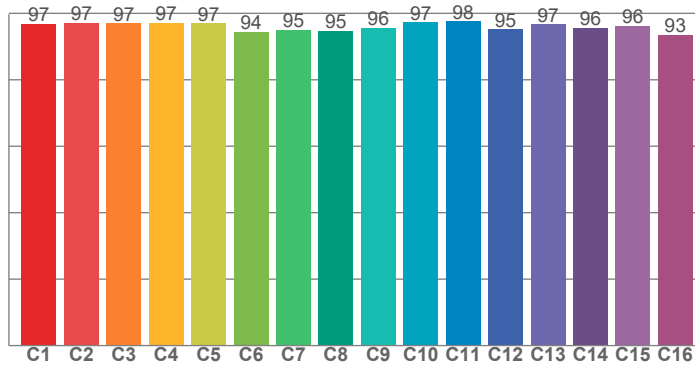
Spectra



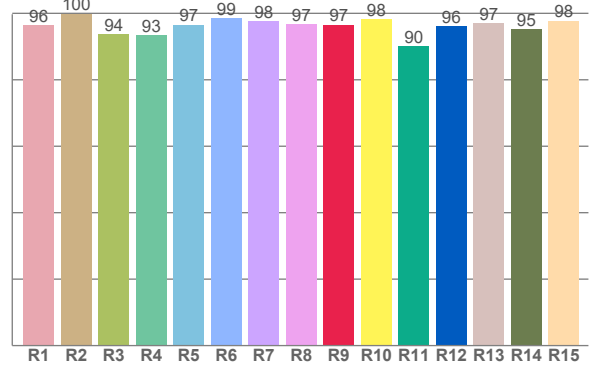
COLOR DETAILS



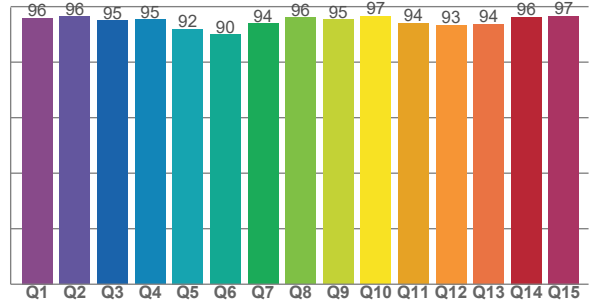
TM30: 96,2



CRI: 96,6 (R1-R8)



CQS: 94,1



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,4	99,8	93,7	93,3	96,6	98,6	97,5	96,6	96,6	98,3	90,0	96,1	97,1	95,3	97,7

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
96,9	97,2	97,0	97,2	97,0	94,4	95,1	94,7	95,5	97,2	97,5	95,1	96,6	95,6	96,2	93,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,9	96,4	94,9	95,3	92,0	90,0	93,9	96,0	95,3	96,5	94,0	93,4	93,7	96,3	96,6

COLOR PARAMETERS

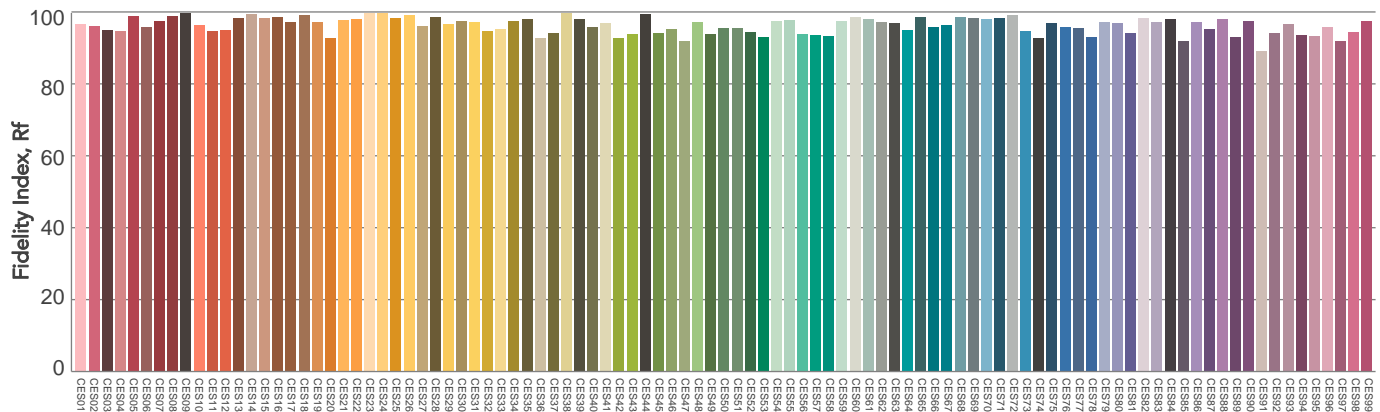
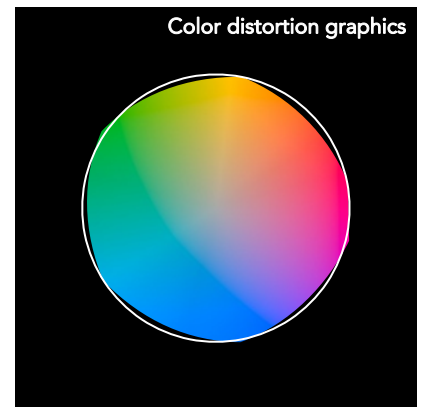
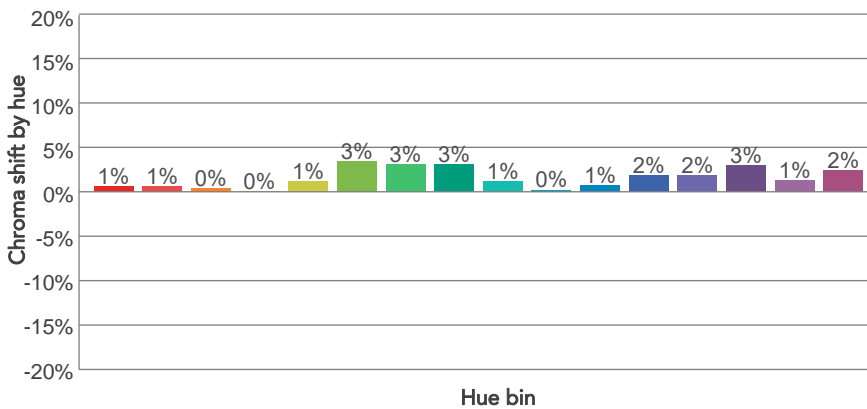
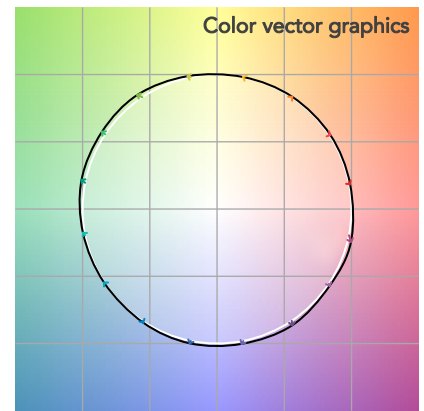
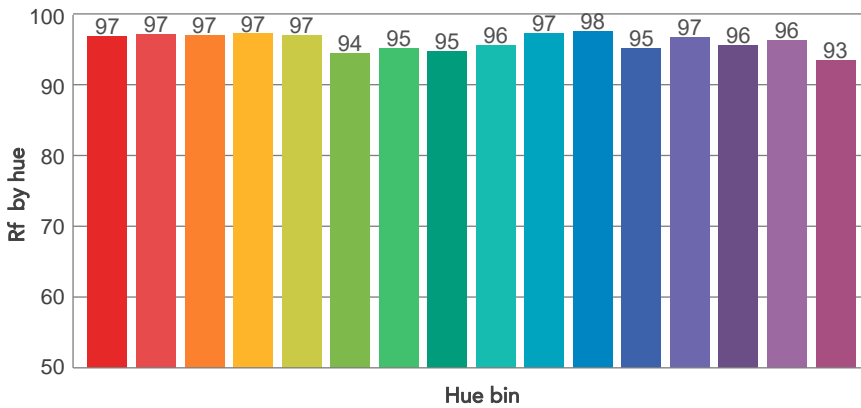
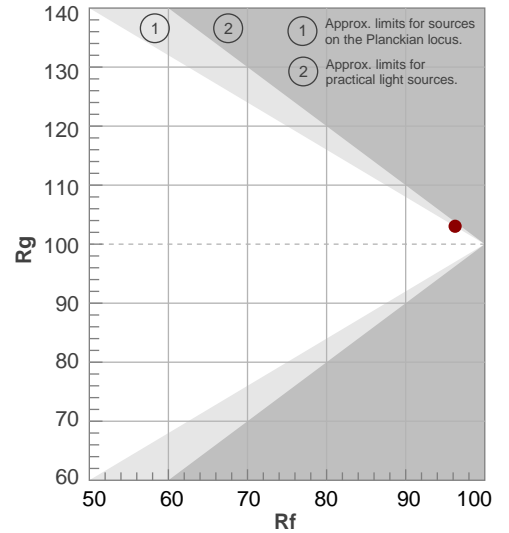
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2616 K	96,6	96,6	96,2	103,0	94,1	98	0,468	0,414	0,0006

TM30 DETAILS

Rf 96,2
Fidelity index Rf

Rg 103,0
Gammut index

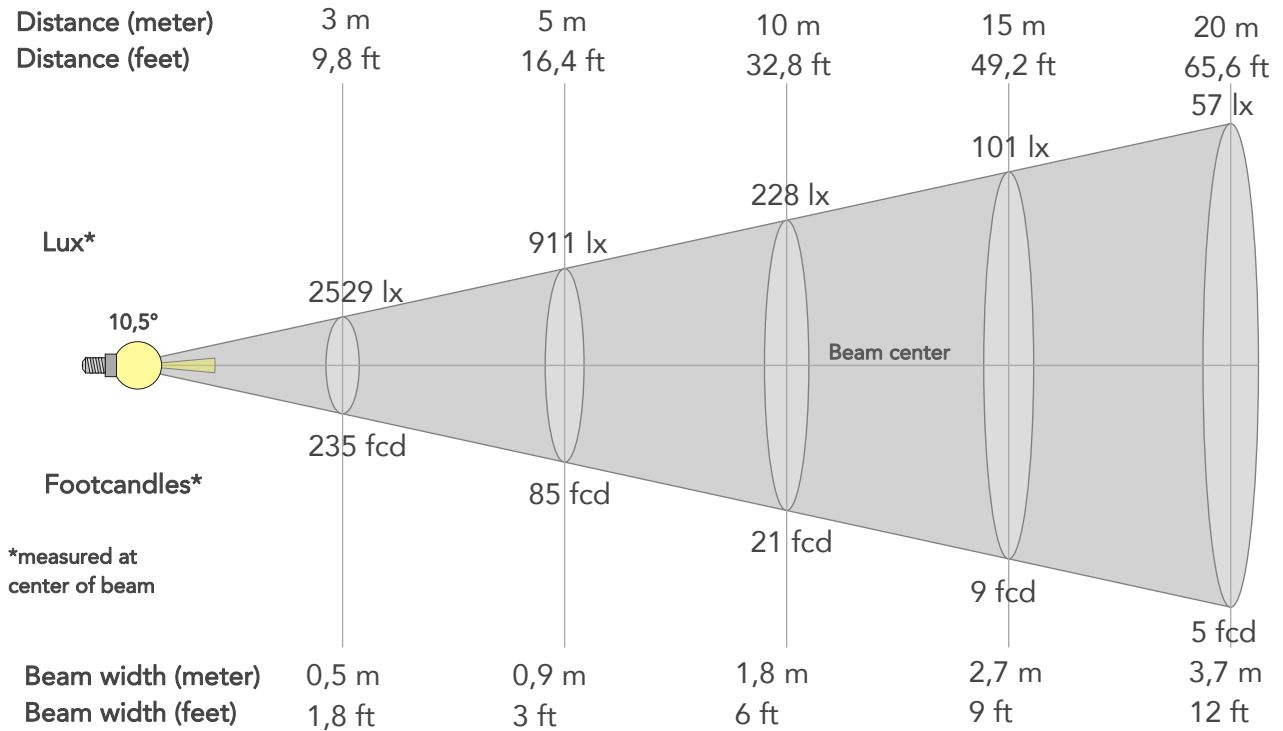
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	0%	0%
4	97	0%	0%
5	97	1%	2%
6	94	3%	2%
7	95	3%	0%
8	95	3%	-2%
9	96	1%	-2%
10	97	0%	-1%
11	98	1%	1%
12	95	2%	0%
13	97	2%	-2%
14	96	3%	-2%
15	96	1%	-1%
16	93	2%	-4%



BEAM DETAILS



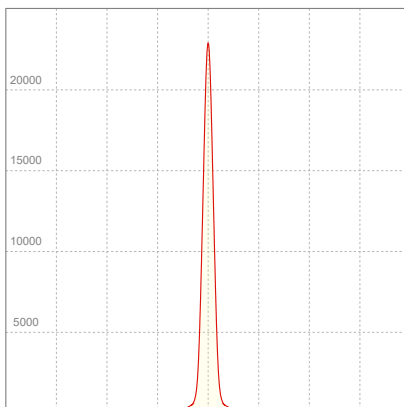
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,5°	18,8°	27,6°	97,6%	94,5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	22763lx	5691lx	2529lx	1423lx	911lx	405lx	228lx	101lx	57lx	36lx	25lx	14lx	9lx
Footcand.	2115fcd	529fcd	235fcd	132fcd	85fcd	38fcd	21fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,4m	1,8m	2,7m	3,7m	4,6m	5,5m	7,3m	9,2m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	6ft	9ft	12ft	15ft	18ft	24ft	30,1ft

LINEAR DISTRIBUTION DIAGRAM

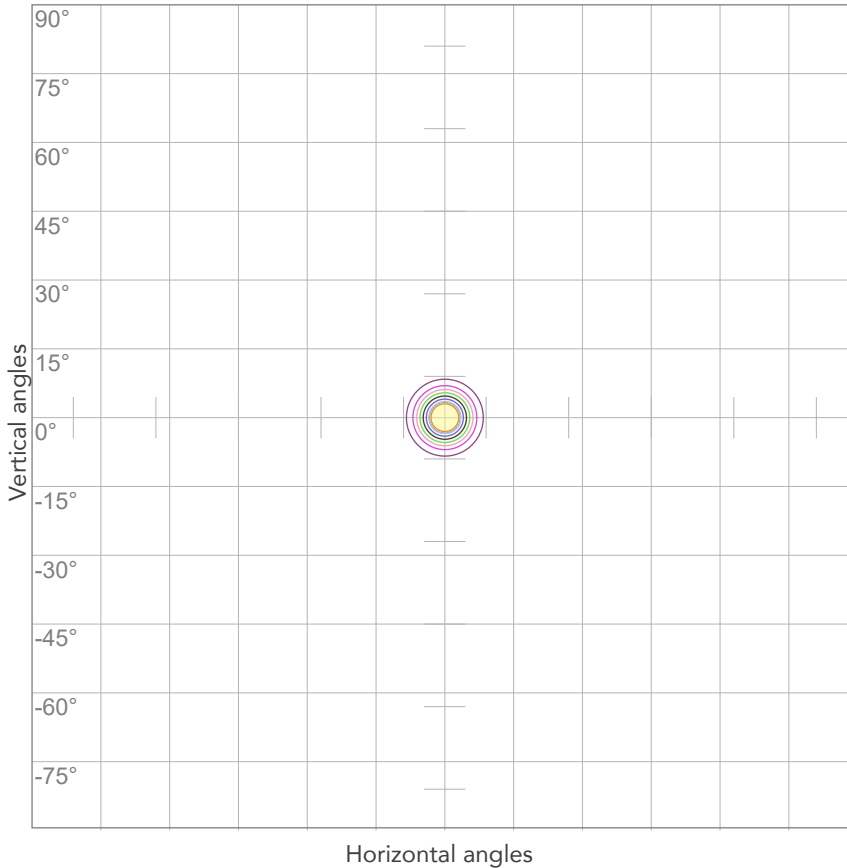


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,126A	26,5W	0,93	44lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



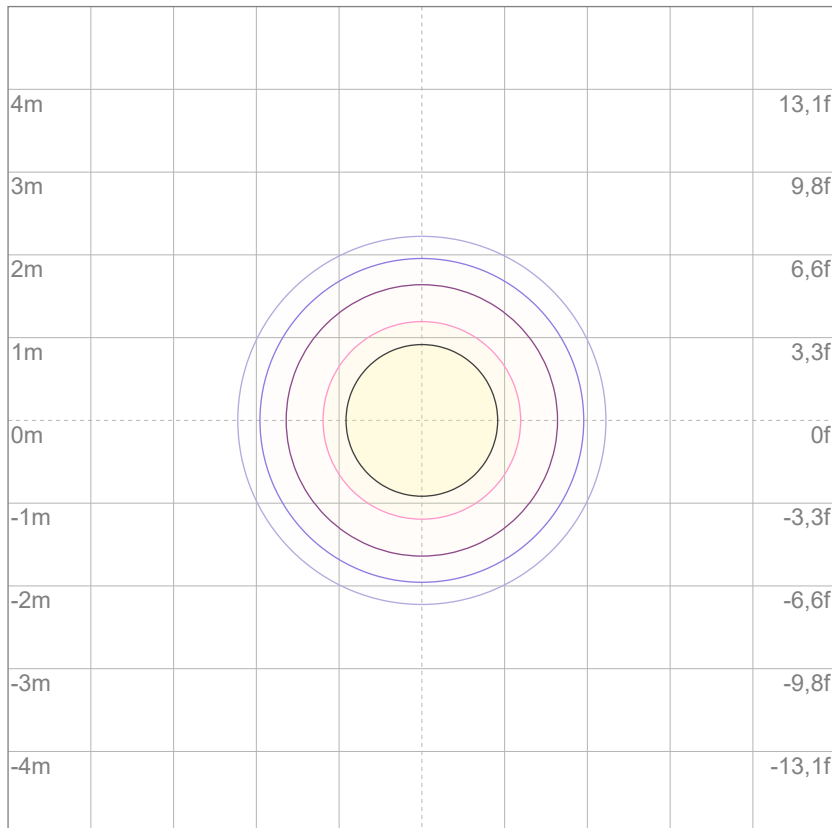
10%	2276 cd
20%	4553 cd
30%	6829 cd
40%	9105 cd
50%	11381 cd
60%	13658 cd
70%	15934 cd
80%	18210 cd

Conditions:

Number of c-planes: 2

Candela at center: 22763 cd

ISO LUX DIAGRAM



3%	6,83 lx
5%	11,4 lx
10%	22,8 lx
30%	68,3 lx
50%	114 lx

Conditions:

Number of c-planes: 2

Lux at center: 228 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1071 lm

Peak candela output:

4350 cd

Light quality:

CRI: 96,5

Color temperature:

2611 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

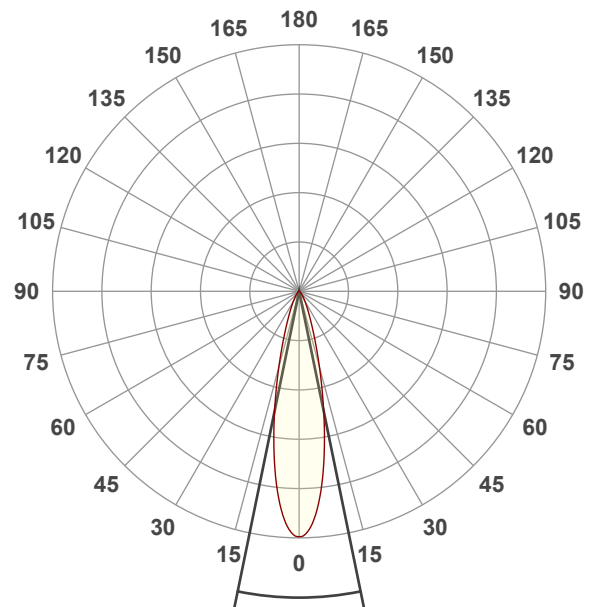
Warm White

Operator:

Salvatore Giglio

Date and time:

19/02/2024 17:12:35

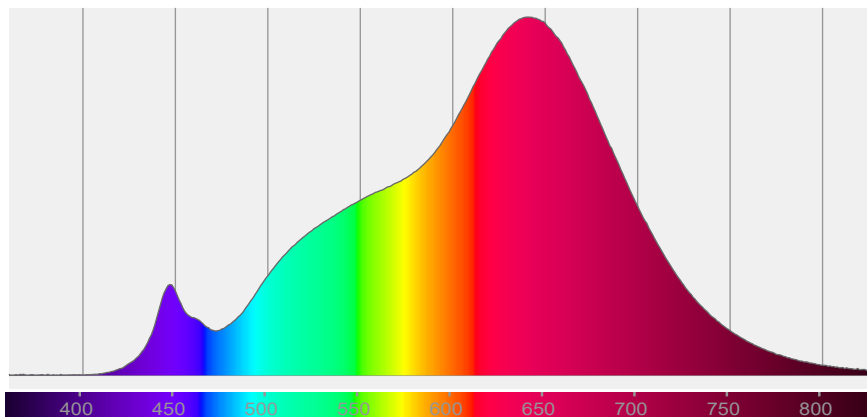


Beam angle 50%: 23,1°

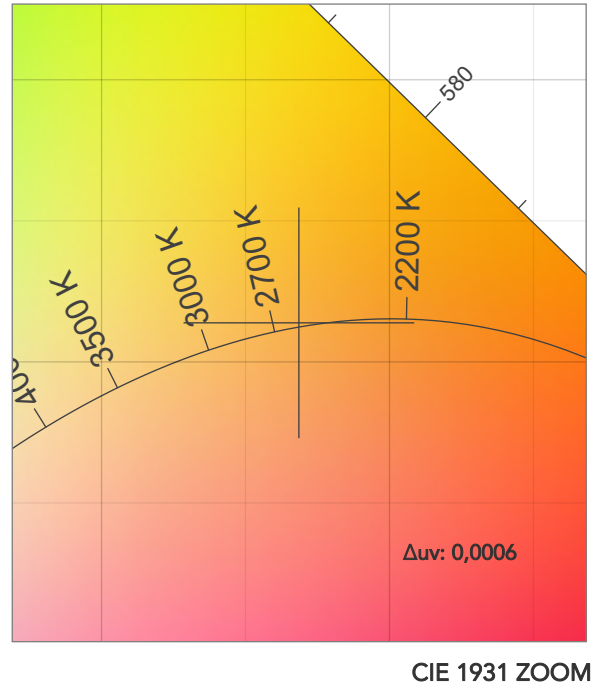
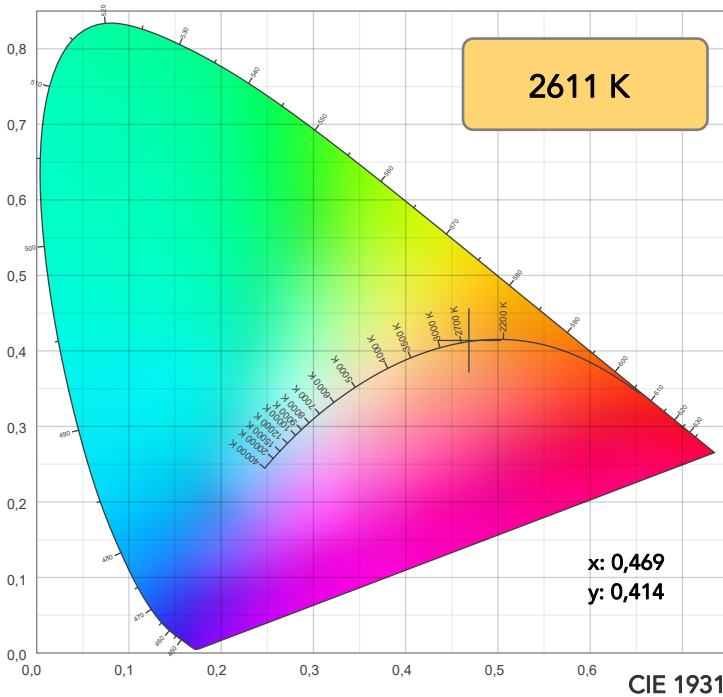
Field angle 10%: 46,9°

Cut off angle 2.5%: 72,8°

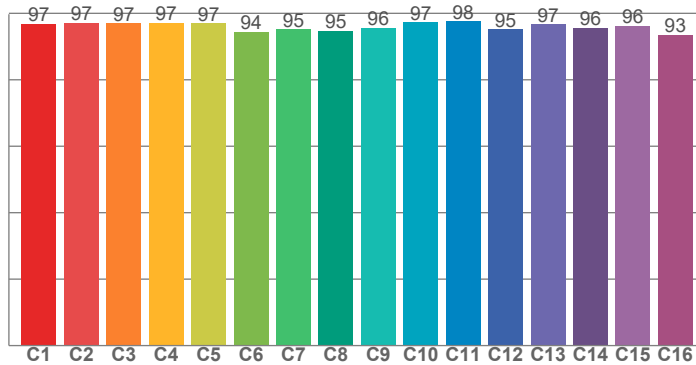
Spectra



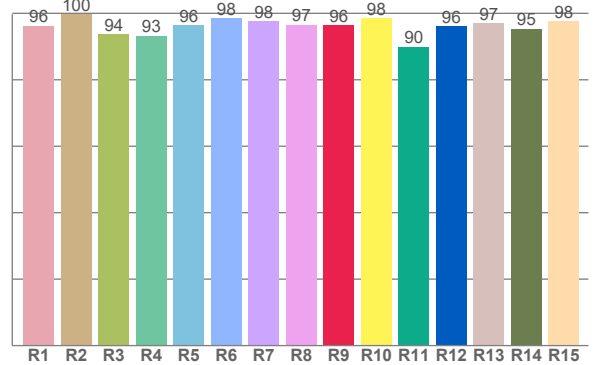
COLOR DETAILS



TM30: 96,3



CRI: 96,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,3	99,8	93,8	93,3	96,5	98,5	97,5	96,6	96,4	98,4	89,9	96,2	97,0	95,3	97,7

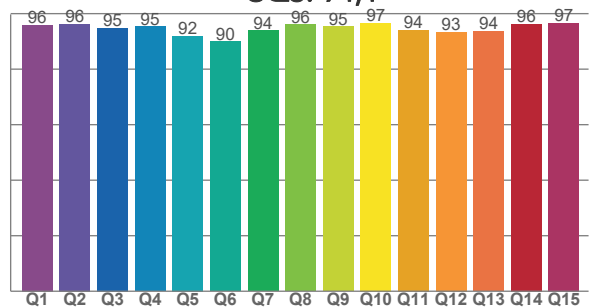
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,9	97,2	97,0	97,2	97,0	94,4	95,1	94,6	95,6	97,2	97,5	95,1	96,6	95,6	96,2	93,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,9	96,3	94,9	95,3	92,0	90,0	93,9	96,0	95,3	96,6	94,1	93,4	93,7	96,3	96,6

CQS: 94,1



COLOR PARAMETERS

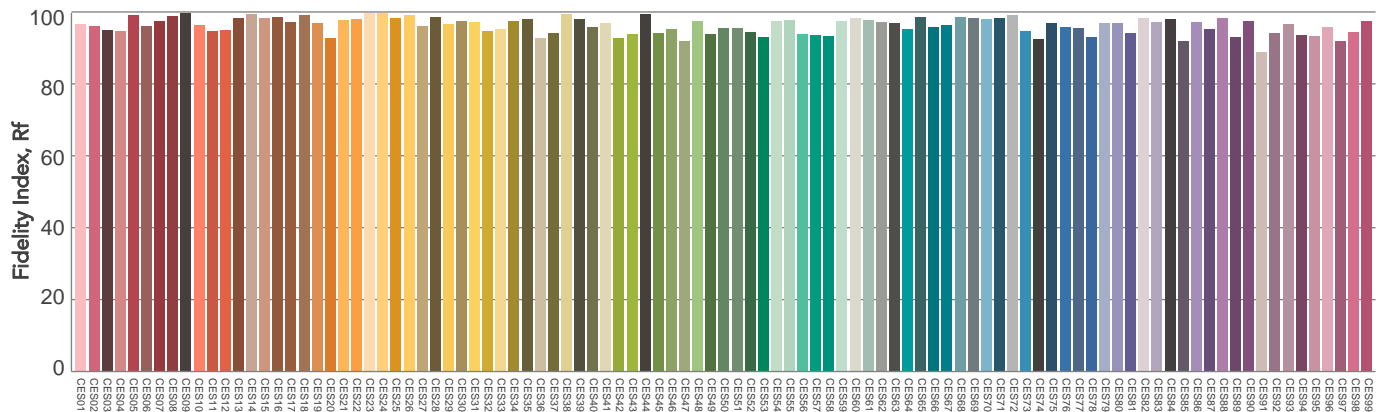
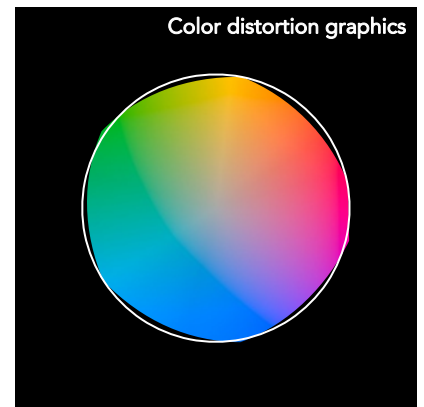
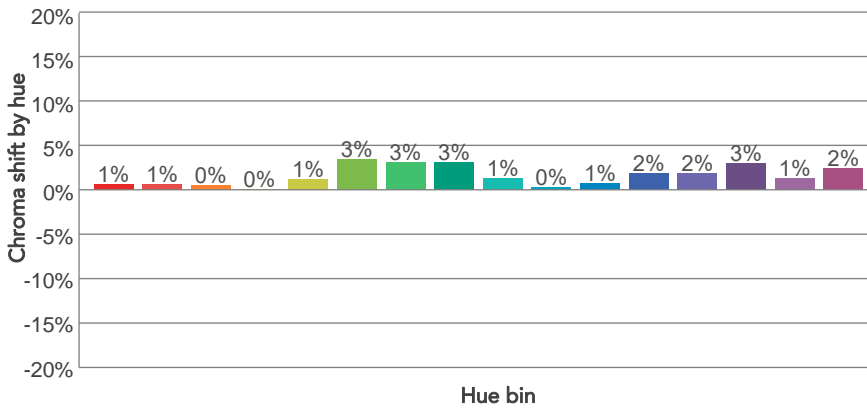
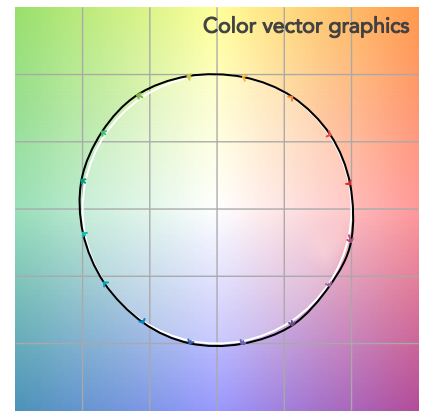
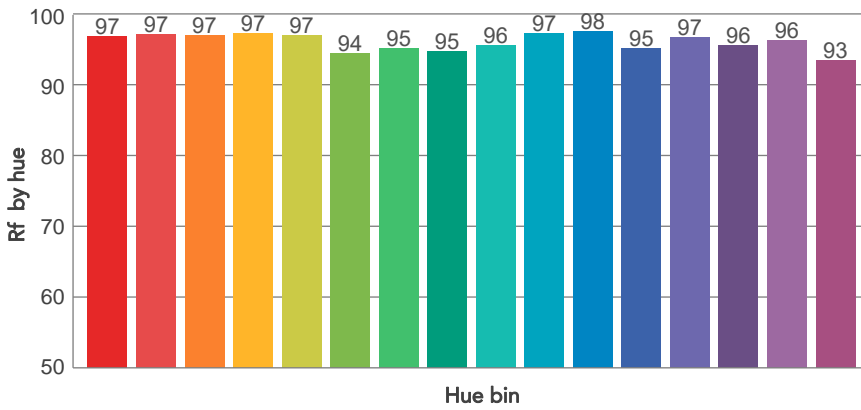
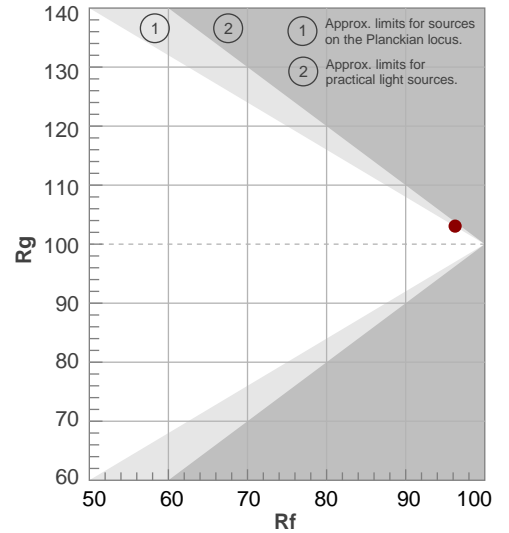
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2611 K	96,5	96,4	96,3	103,1	94,1	98	0,469	0,414	0,0006

TM30 DETAILS

Rf 96,3
Fidelity index Rf

Rg 103,1
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	0%	0%
4	97	0%	0%
5	97	1%	2%
6	94	3%	2%
7	95	3%	0%
8	95	3%	-2%
9	96	1%	-2%
10	97	0%	-1%
11	98	1%	1%
12	95	2%	-1%
13	97	2%	-2%
14	96	3%	-2%
15	96	1%	-1%
16	93	2%	-4%

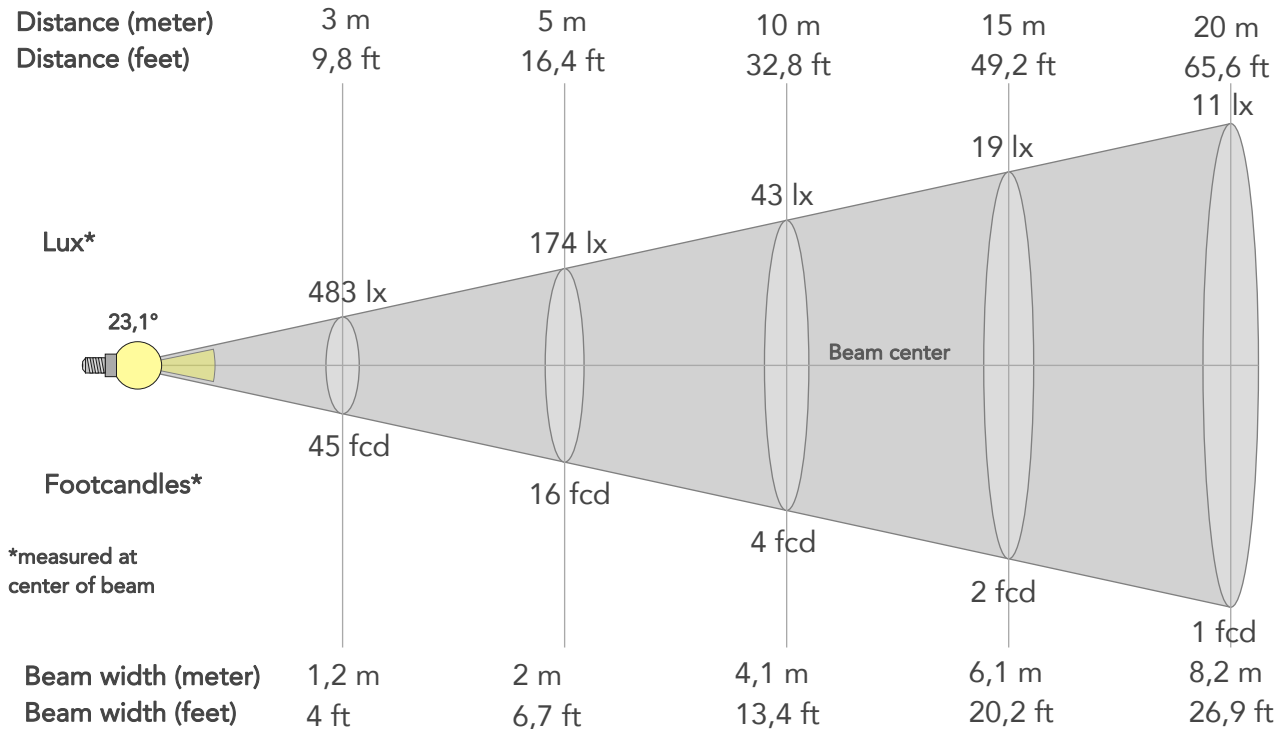


Color Evaluation Sample

BEAM DETAILS



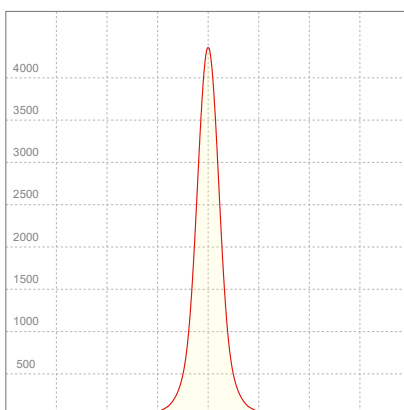
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,1°	46,9°	72,8°	96,8%	92,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	4350lx	1087lx	483lx	272lx	174lx	77lx	43lx	19lx	11lx	7lx	5lx	3lx	2lx
Footcand.	404fcd	101fcd	45fcd	25fcd	16fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3,1m	4,1m	6,1m	8,2m	10,2m	12,3m	16,4m	20,5m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,7ft	10,1ft	13,4ft	20,2ft	26,9ft	33,6ft	40,3ft	53,7ft	67,2ft

LINEAR DISTRIBUTION DIAGRAM

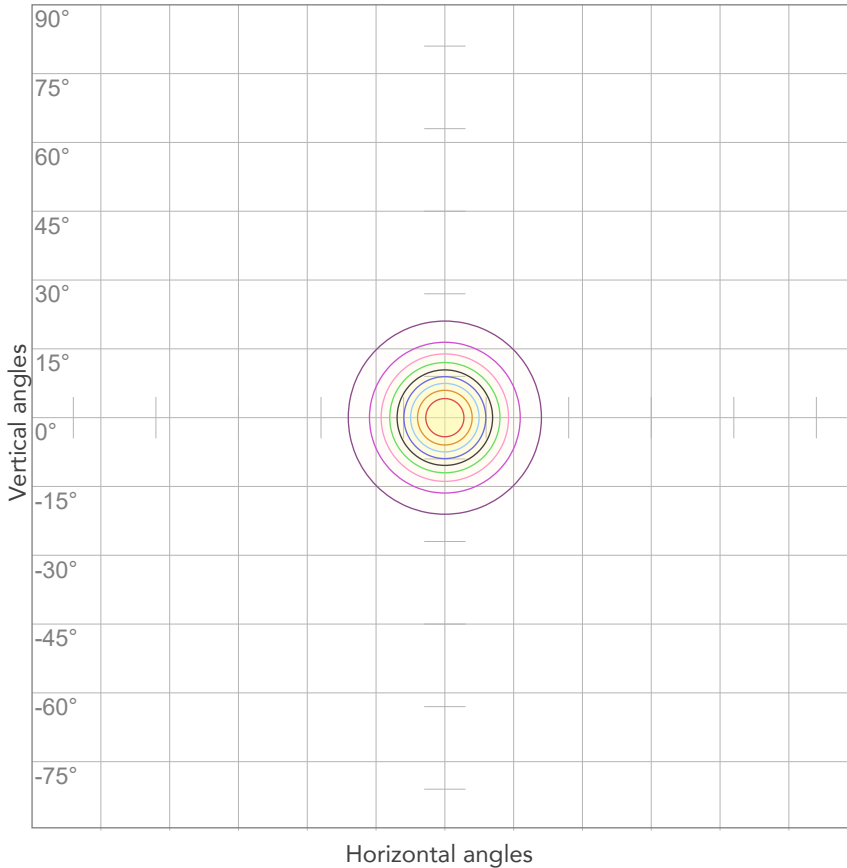


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,126A	26,5W	0,93	40lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



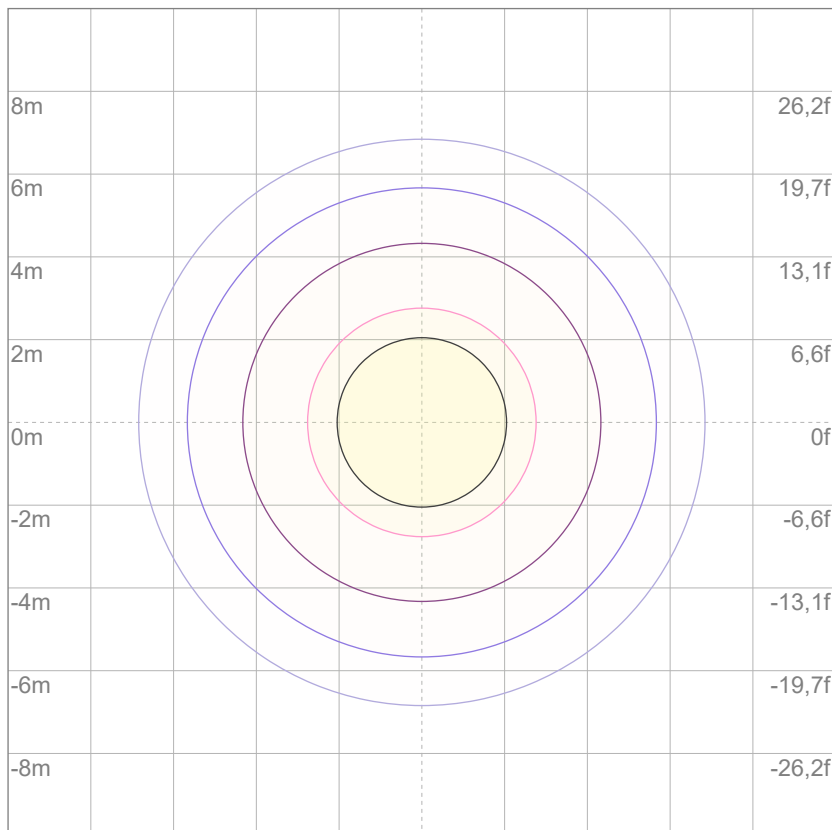
10%	435 cd
20%	870 cd
30%	1305 cd
40%	1740 cd
50%	2175 cd
60%	2610 cd
70%	3045 cd
80%	3480 cd

Conditions:

Number of c-planes: 2

Candela at center: 4350 cd

ISO LUX DIAGRAM



3%	1,30 lx
5%	2,17 lx
10%	4,35 lx
30%	13,0 lx
50%	21,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 43,5 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.



Total lumen output:

1006 lm

Peak candela output:

1246 cd

Light quality:

CRI: 96,5

Color temperature:

2599 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

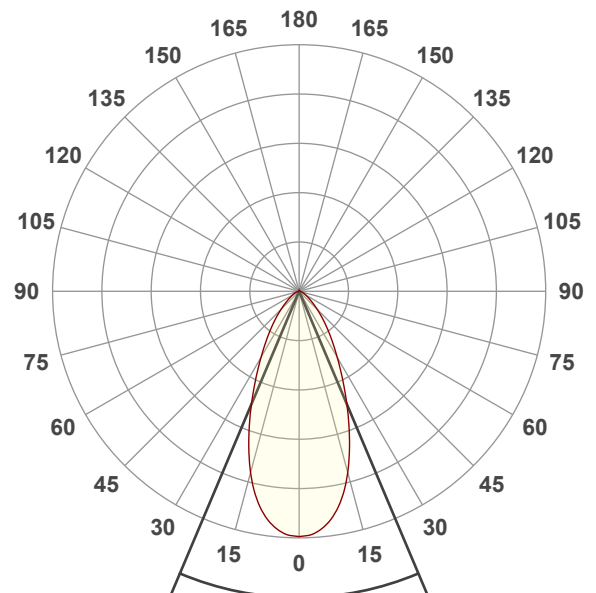
Warm White

Operator:

Salvatore Giglio

Date and time:

19/02/2024 17:52:26

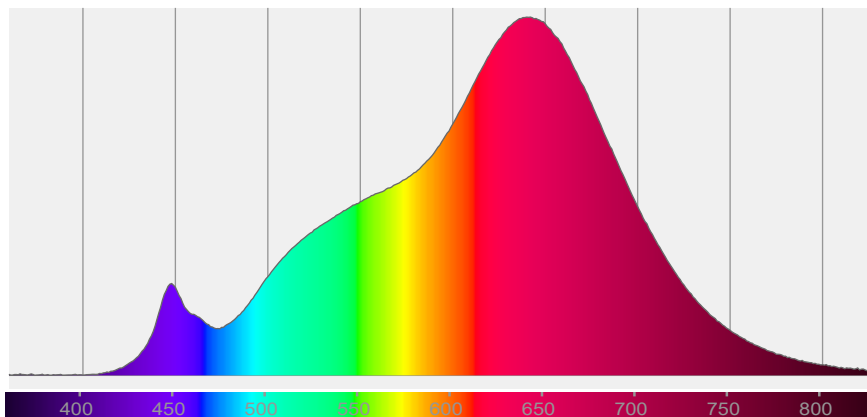


Beam angle 50%: 45,8°

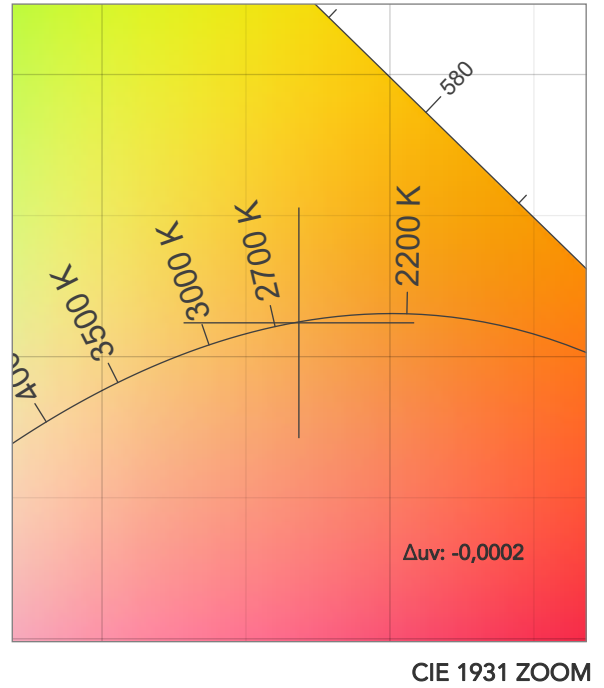
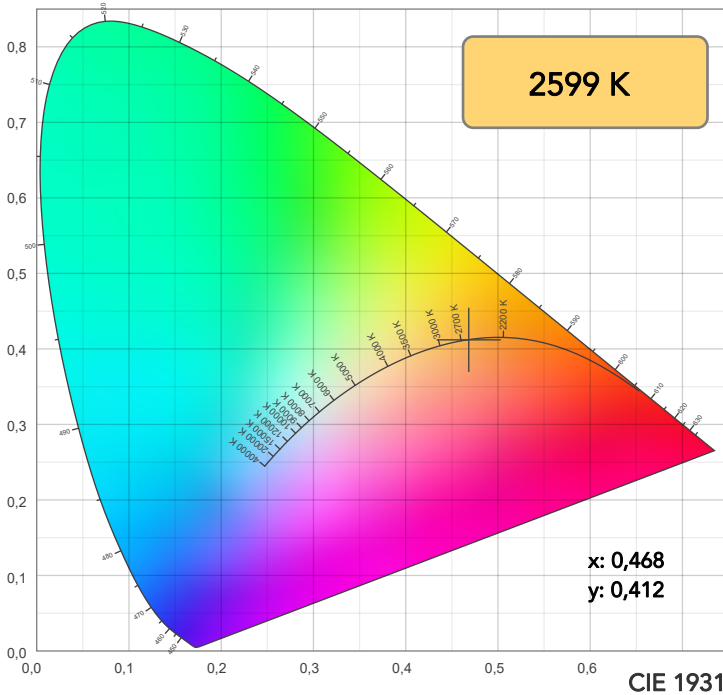
Field angle 10%: 91,1°

Cut off angle 2.5%: 127,9°

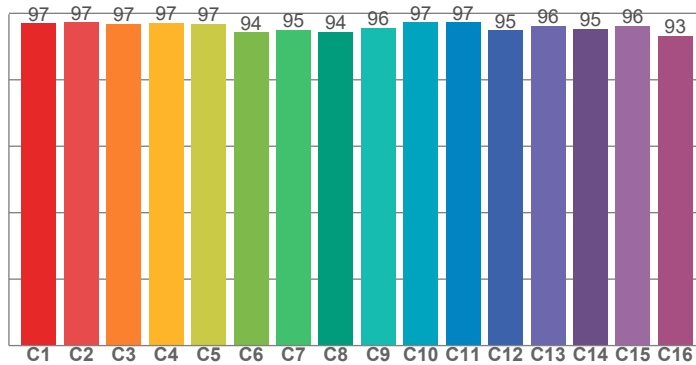
Spectra



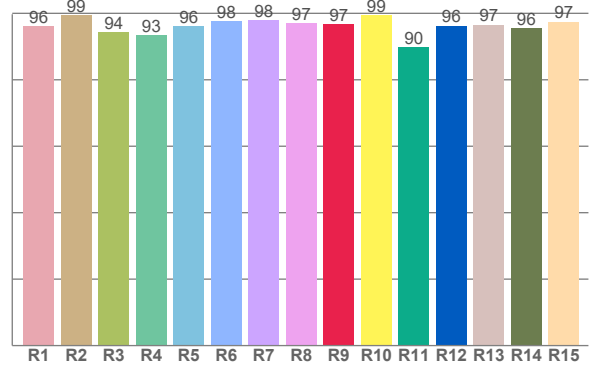
COLOR DETAILS



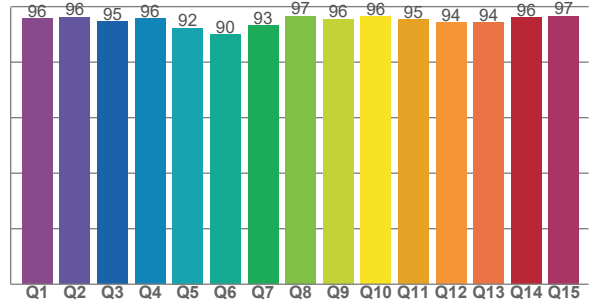
TM30: 96,2



CRI: 96,5 (R1-R8)



CQS: 94,2



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,0	99,4	94,4	93,3	96,1	97,6	98,0	97,0	96,6	99,4	89,8	96,2	96,6	95,6	97,4

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
97,0	97,3	96,9	97,1	96,9	94,2	95,0	94,4	95,6	97,3	97,3	94,9	96,2	95,3	96,2	93,3

CQS Q values

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

COLOR PARAMETERS

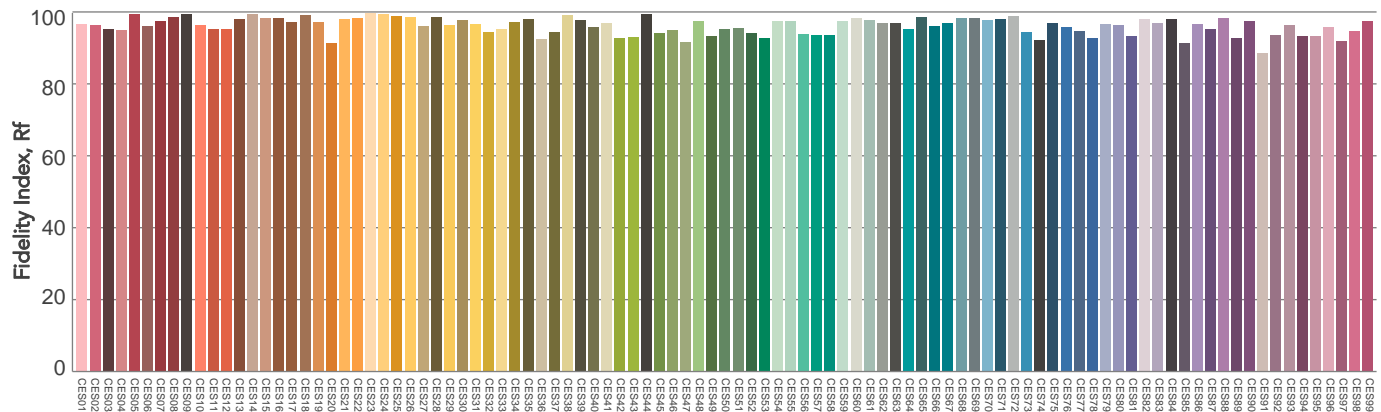
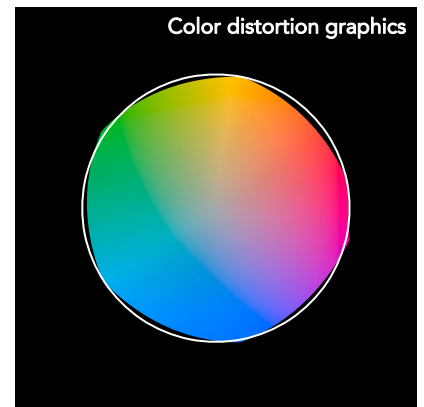
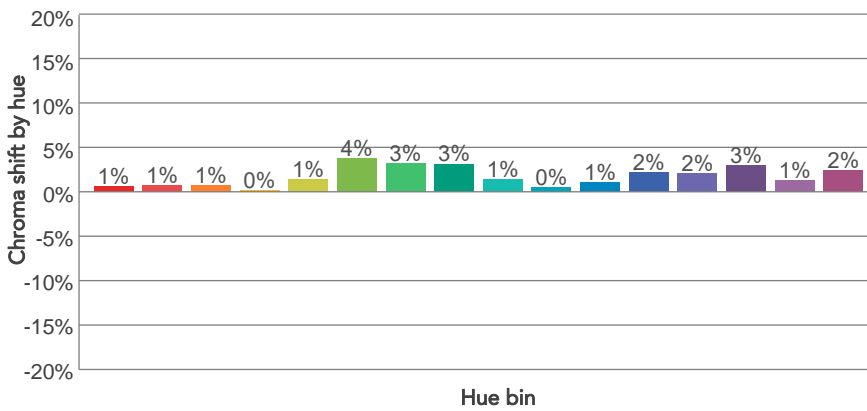
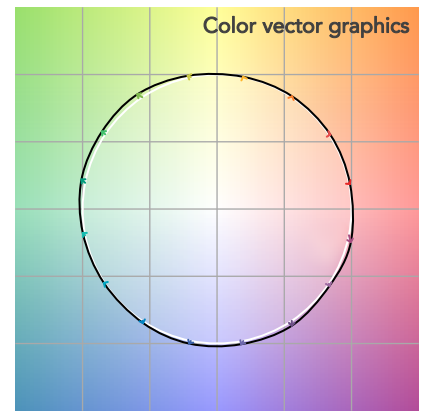
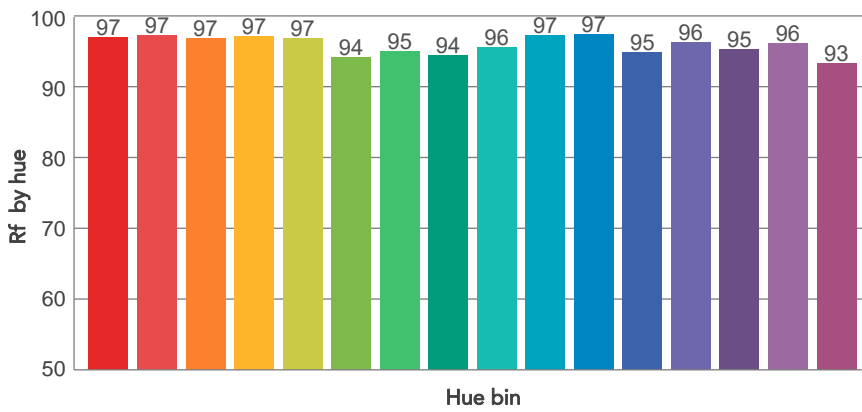
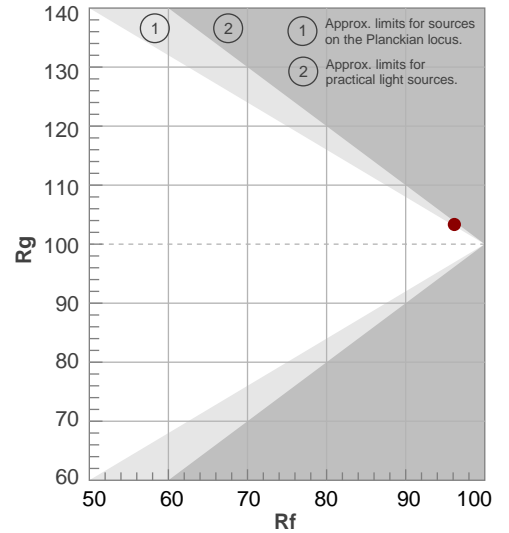
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2599 K	96,5	96,6	96,2	103,3	94,2	98	0,468	0,412	-0,0002

TM30 DETAILS

Rf 96,2
Fidelity index Rf

Rg 103,3
Gammut index

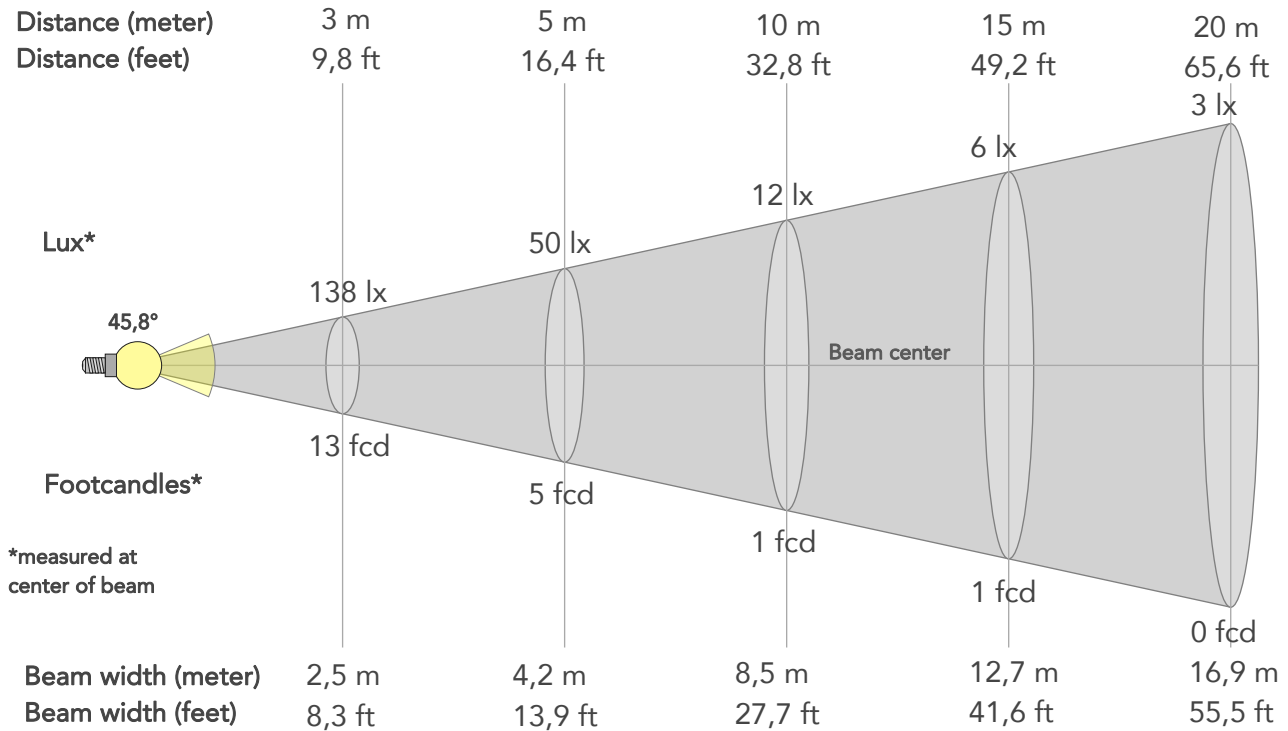
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	1%	0%
4	97	0%	0%
5	97	1%	2%
6	94	4%	2%
7	95	3%	0%
8	94	3%	-2%
9	96	1%	-2%
10	97	0%	-1%
11	97	1%	1%
12	95	2%	-1%
13	96	2%	-2%
14	95	3%	-2%
15	96	1%	-1%
16	93	2%	-5%



BEAM DETAILS



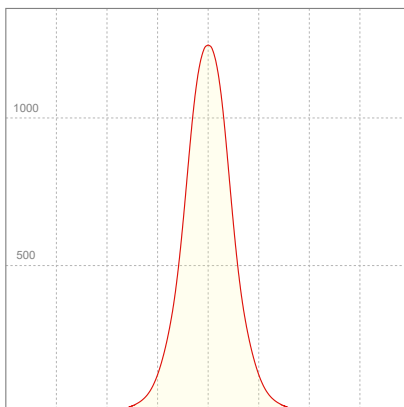
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,8°	91,1°	127,9°	94,9%	85,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1246lx	312lx	138lx	78lx	50lx	22lx	12lx	6lx	3lx	2lx	1lx	1lx	0lx
Footcand.	116fcd	29fcd	13fcd	7fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,4m	4,2m	6,3m	8,5m	12,7m	16,9m	21,1m	25,4m	33,8m	42,3m
Beam wid.	2,8ft	5,6ft	8,3ft	11,1ft	13,9ft	20,8ft	27,7ft	41,6ft	55,5ft	69,3ft	83,2ft	110,9ft	138,6ft

LINEAR DISTRIBUTION DIAGRAM

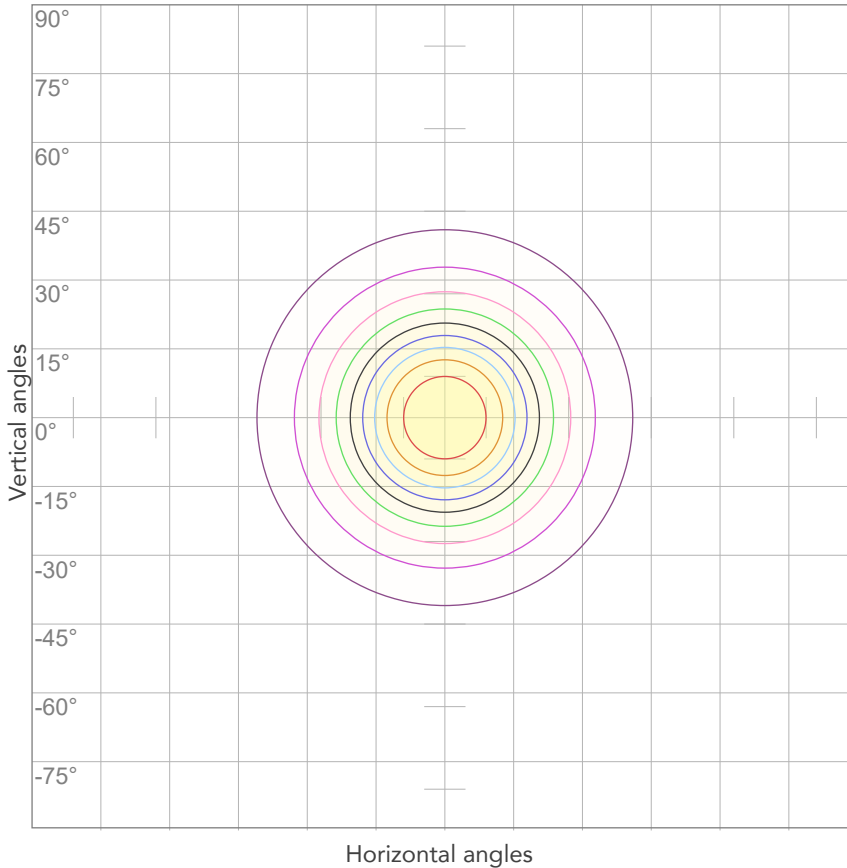


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,125A	26,1W	0,93	39lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



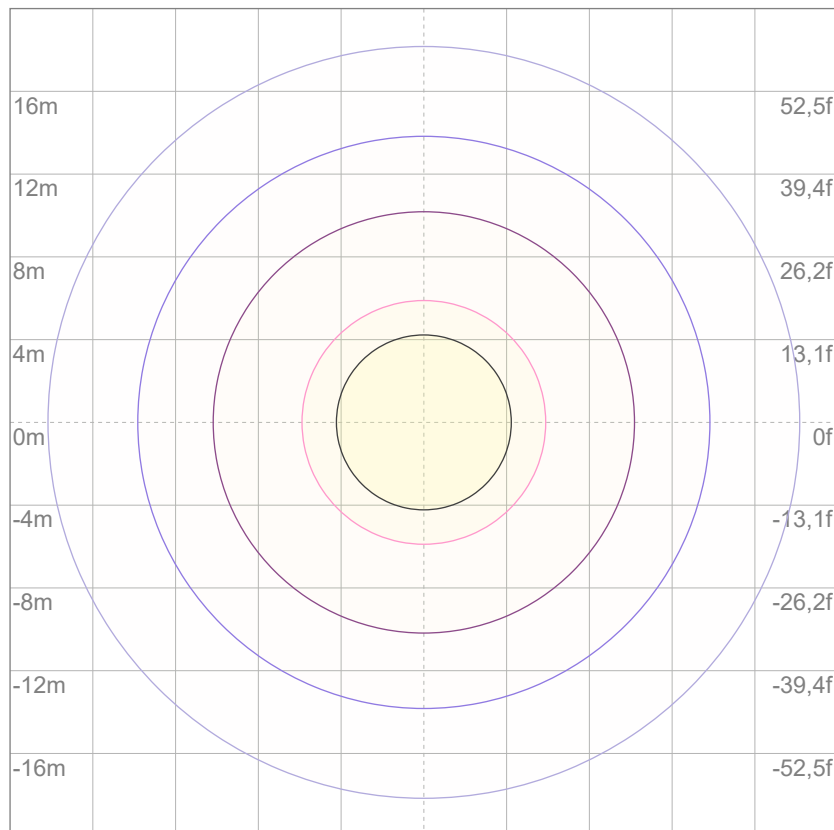
10%	125 cd
20%	249 cd
30%	374 cd
40%	499 cd
50%	623 cd
60%	748 cd
70%	872 cd
80%	997 cd

Conditions:

Number of c-planes: 2

Candela at center: 1246 cd

ISO LUX DIAGRAM



3%	0,374 lx
5%	0,623 lx
10%	1,25 lx
30%	3,74 lx
50%	6,23 lx

Conditions:

Number of c-planes: 2

Lux at center: 12,5 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.



Total lumen output:

1036 lm

Peak candela output:

943 cd

Light quality:

CRI: 96,5

Color temperature:

2636 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

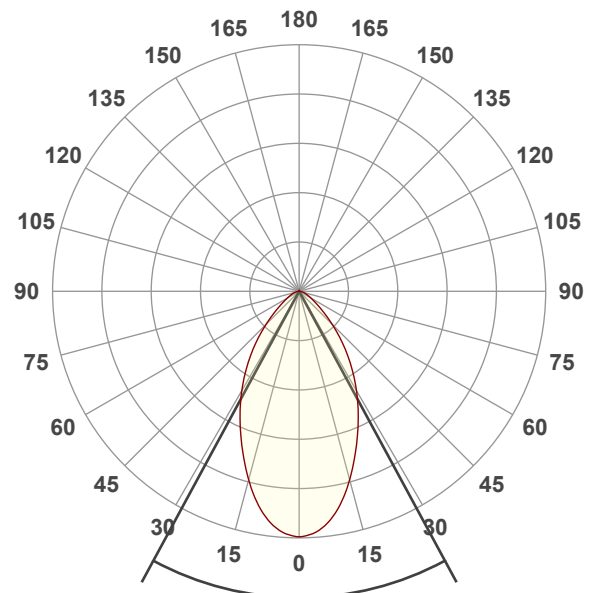
Warm White

Operator:

Salvatore Giglio

Date and time:

20/02/2024 09:14:55

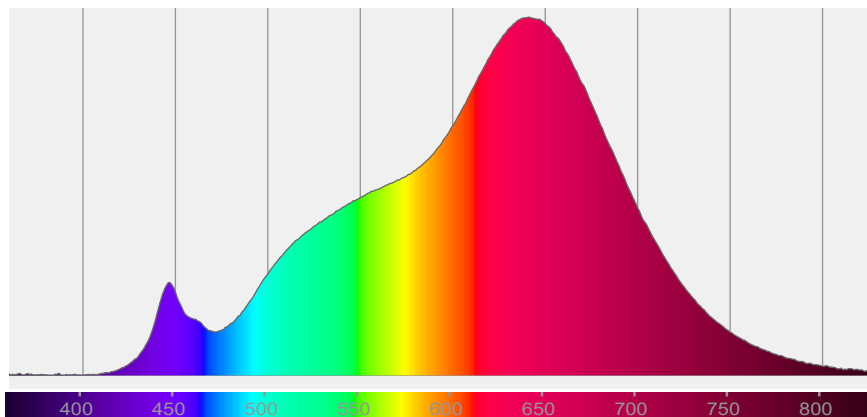


Beam angle 50%: 56,8°

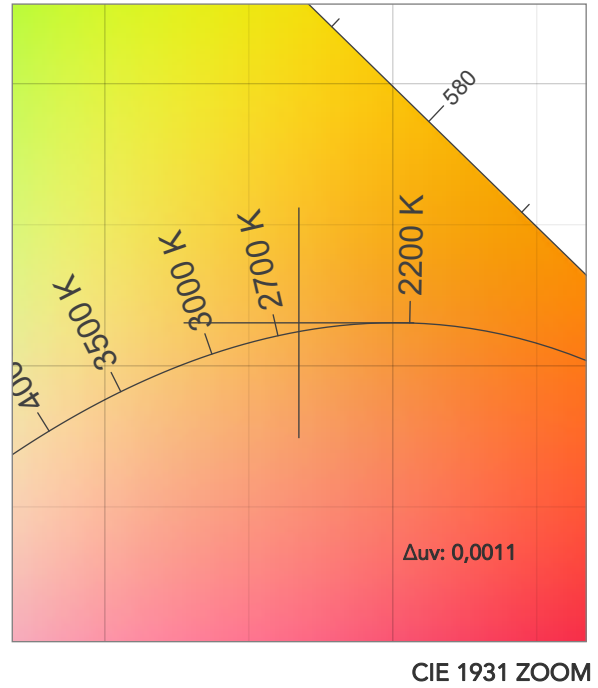
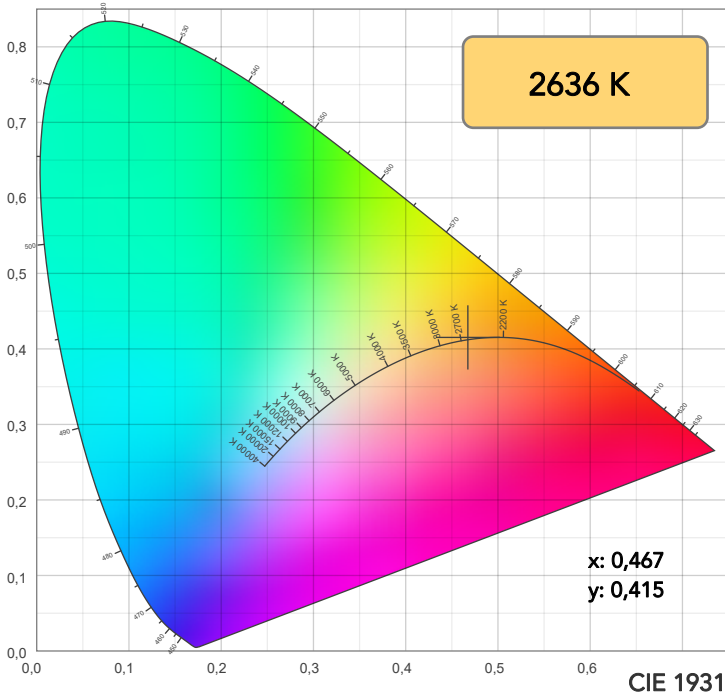
Field angle 10%: 105,5°

Cut off angle 2.5%: 142,7°

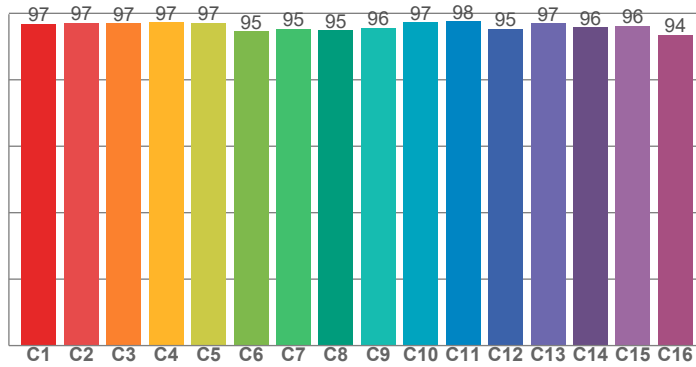
Spectra



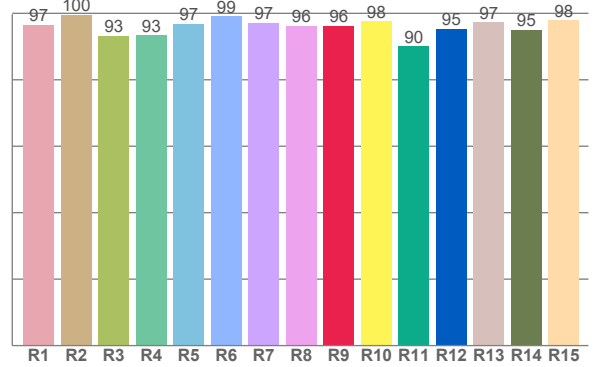
COLOR DETAILS



TM30: 96,3



CRI: 96,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,5	99,6	93,2	93,3	96,8	99,1	97,1	96,3	96,2	97,5	90,2	95,4	97,4	95,1	97,9

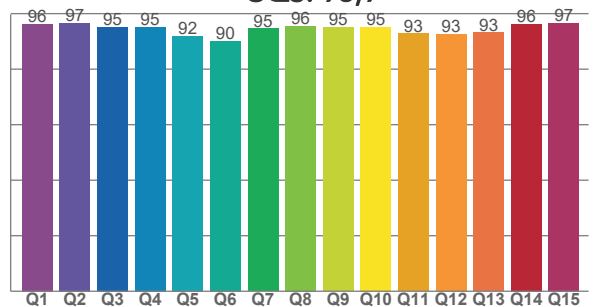
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,8	97,1	97,0	97,2	97,1	94,6	95,3	94,9	95,6	97,3	97,5	95,3	97,0	95,8	96,3	93,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,2	96,6	95,1	95,1	92,0	90,2	94,6	95,5	95,1	95,1	92,8	92,6	93,2	96,2	96,7

CQS: 93,9



COLOR PARAMETERS

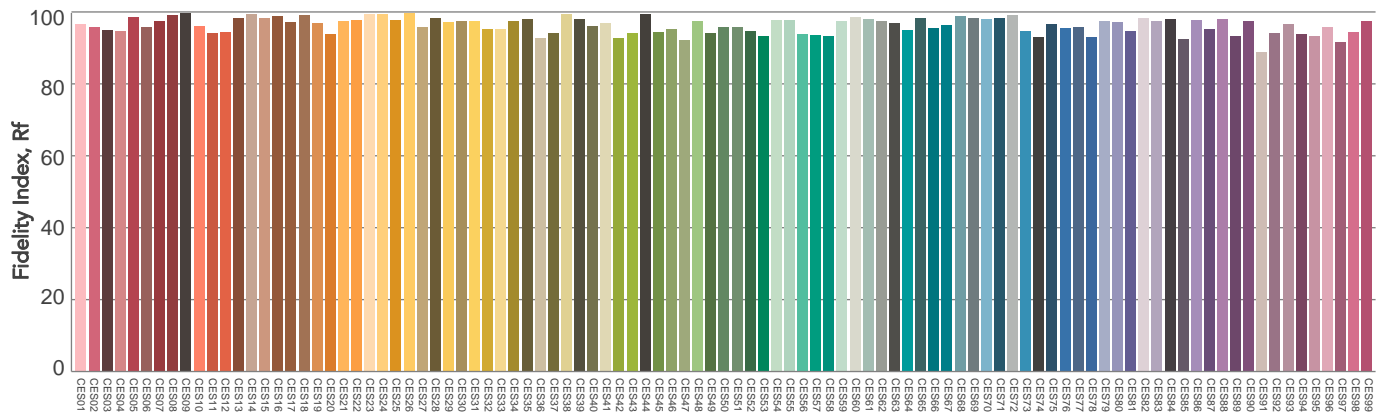
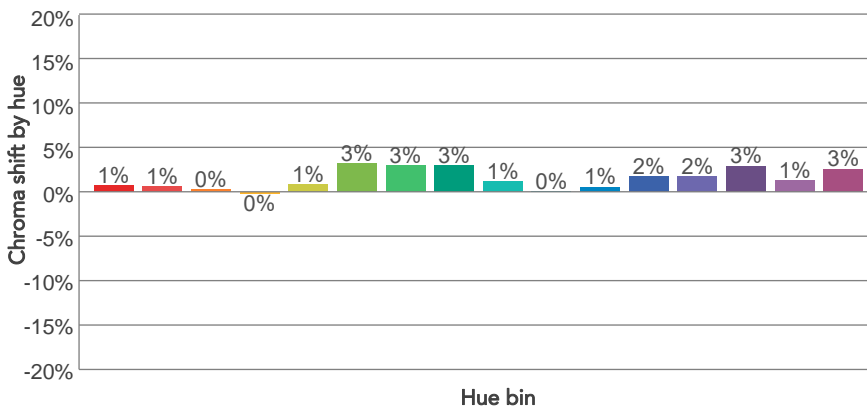
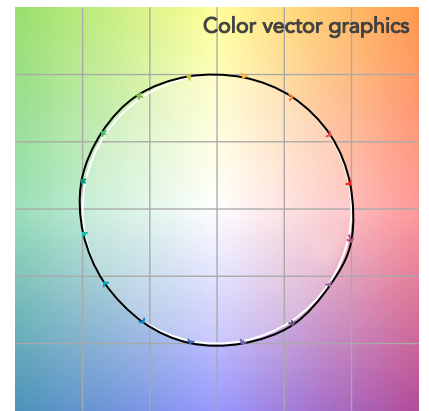
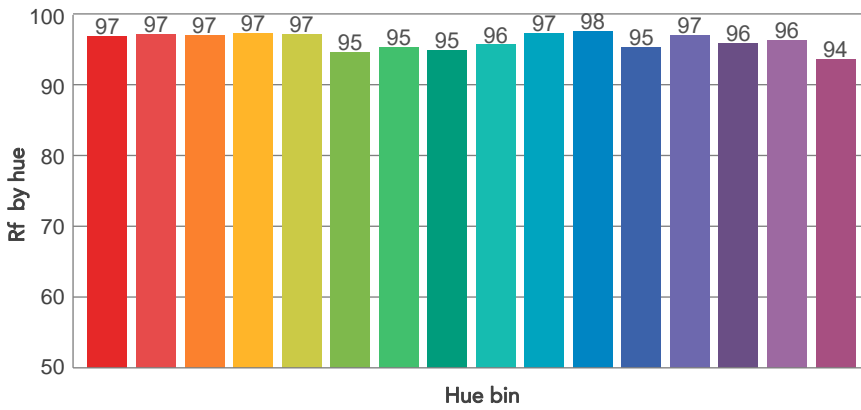
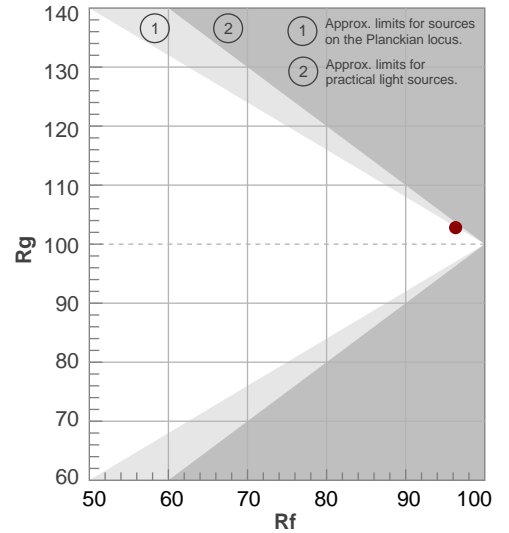
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2636 K	96,5	96,2	96,3	102,8	93,9	98	0,467	0,415	0,0011

TM30 DETAILS

Rf 96,3
Fidelity index Rf

Rg 102,8
Gammut index

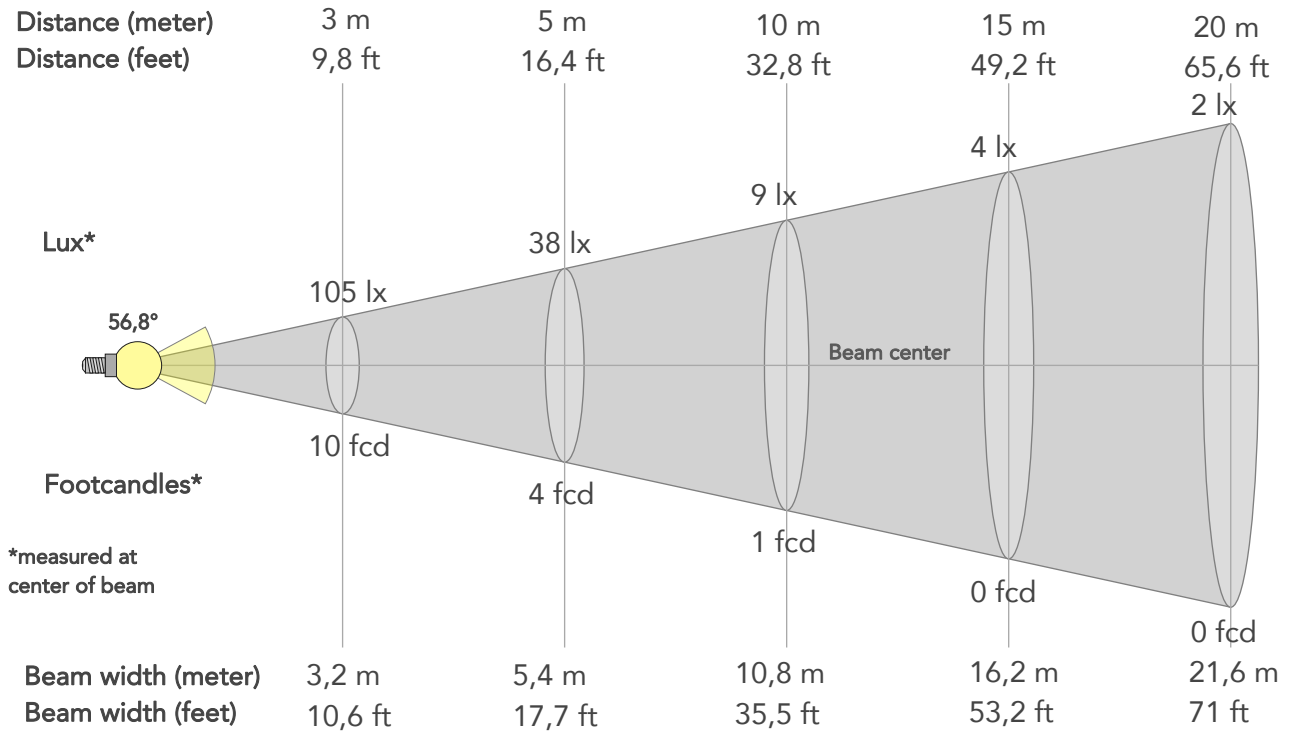
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	0%	0%
4	97	0%	0%
5	97	1%	2%
6	95	3%	2%
7	95	3%	0%
8	95	3%	-1%
9	96	1%	-2%
10	97	0%	-1%
11	98	1%	1%
12	95	2%	0%
13	97	2%	-1%
14	96	3%	-1%
15	96	1%	-1%
16	94	3%	-4%



BEAM DETAILS



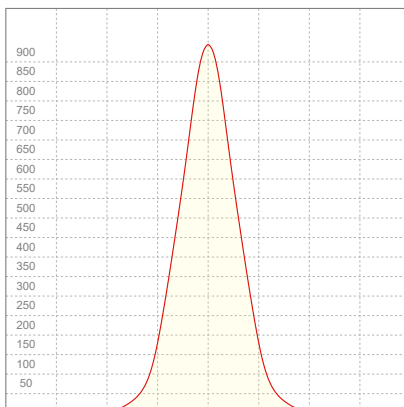
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,8°	105,5°	142,7°	93,6%	81,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	943lx	236lx	105lx	59lx	38lx	17lx	9lx	4lx	2lx	2lx	1lx	1lx	0lx
Footcand.	88fcd	22fcd	10fcd	5fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,2m	4,3m	5,4m	8,1m	10,8m	16,2m	21,6m	27,1m	32,5m	43,3m	54,1m
Beam wid.	3,6ft	7,1ft	10,6ft	14,2ft	17,7ft	26,6ft	35,5ft	53,2ft	71ft	88,7ft	106,5ft	142ft	177,5ft

LINEAR DISTRIBUTION DIAGRAM

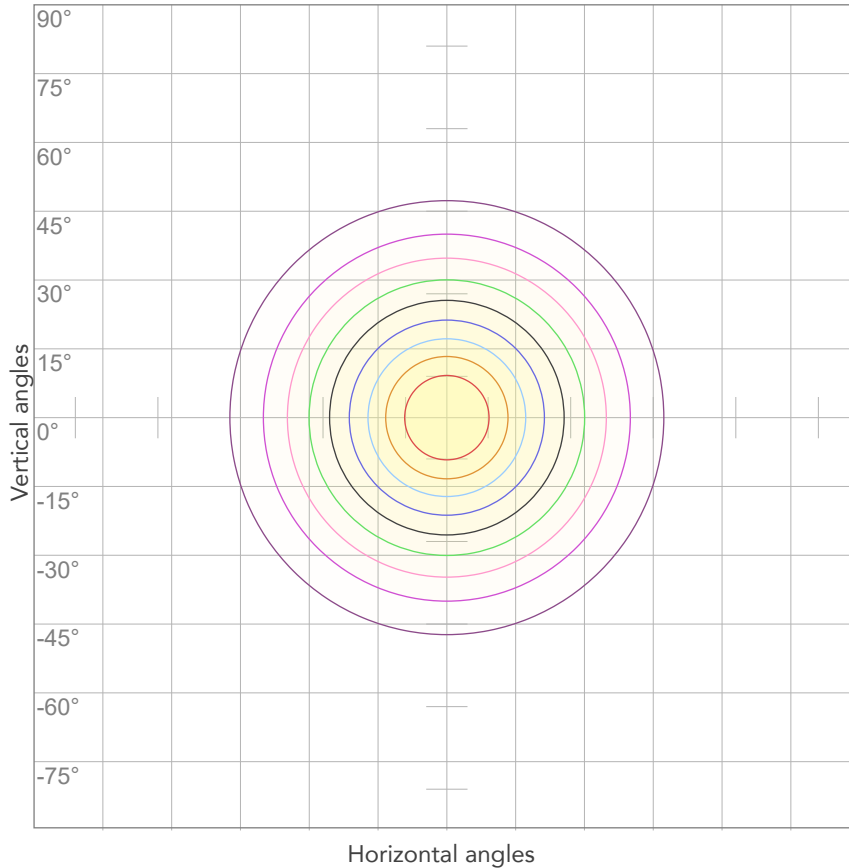


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
223V	0,131A	26,9W	0,92	39lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM

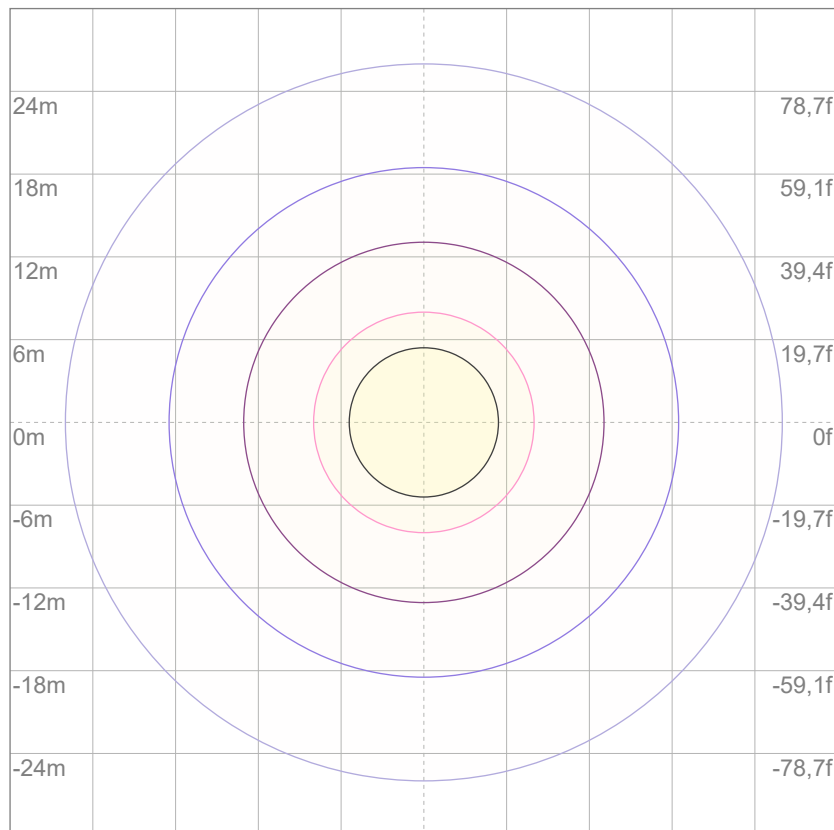


10%	94 cd
20%	189 cd
30%	283 cd
40%	377 cd
50%	471 cd
60%	566 cd
70%	660 cd
80%	754 cd

Conditions:

Number of c-planes: 2
Candela at center: 943 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,283 lx
5%	0,471 lx
10%	0,943 lx
30%	2,83 lx
50%	4,71 lx

Conditions:

Number of c-planes: 2
Lux at center: 9,43 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.



Total lumen output:

1559 lm

Peak candela output:

3184 cd

Light quality:

CRI: 96,6

Color temperature:

2598 K

PRODUCT NAME:

ARCSPOTS VW

MEASUREMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

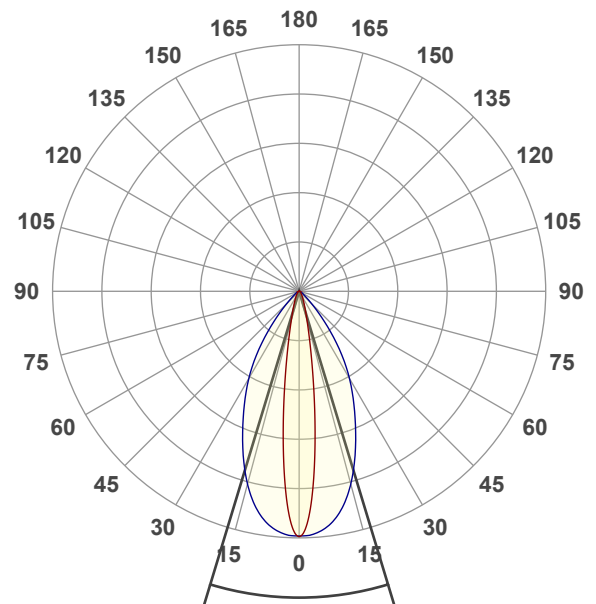
Warm White

Operator:

Salvatore Giglio

Date and time:

20/02/2024 11:18:26

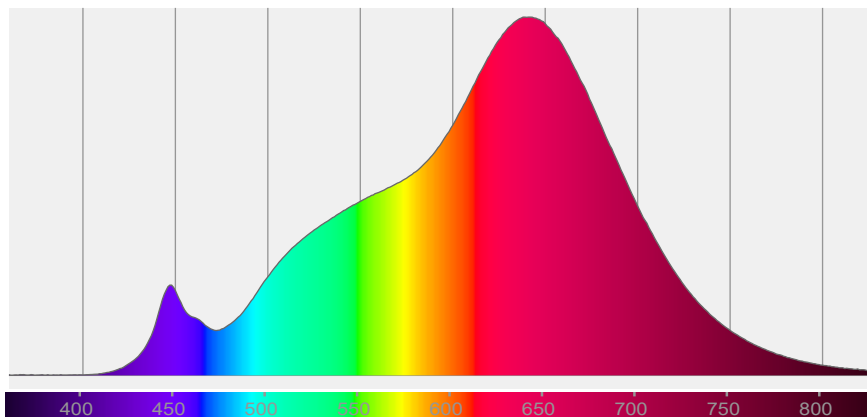


Beam angle 50%: 33,7°

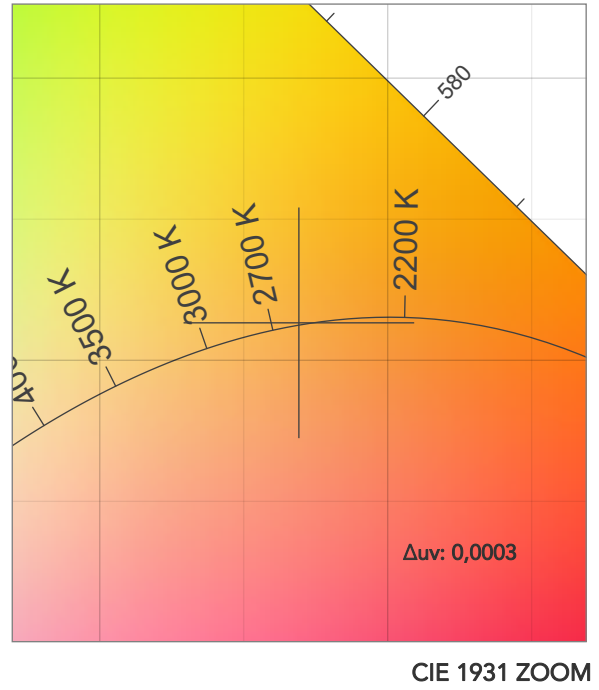
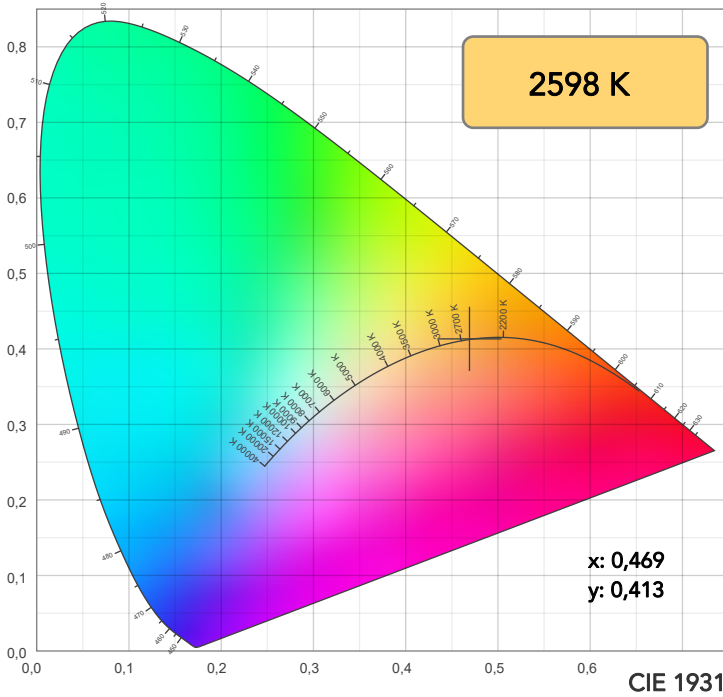
Field angle 10%: 59,7°

Cut off angle 2.5%: 84,1°

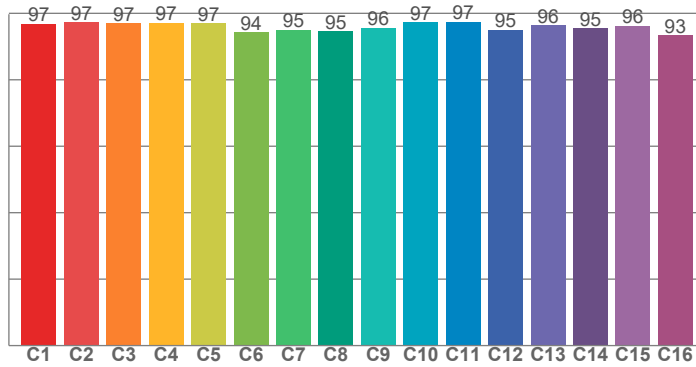
Spectra



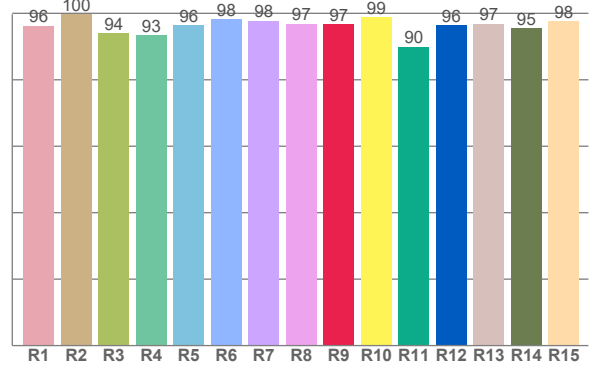
COLOR DETAILS



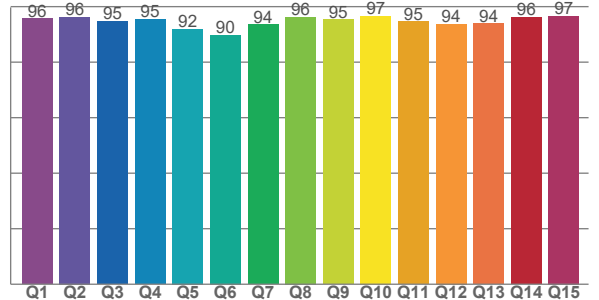
TM30: 96,2



CRI: 96,6 (R1-R8)



CQS: 94,1



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,2	99,7	94,0	93,4	96,4	98,2	97,8	96,9	96,8	98,8	89,9	96,3	96,9	95,4	97,7

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
96,9	97,2	97,0	97,2	97,0	94,3	95,0	94,5	95,5	97,2	97,5	95,0	96,4	95,5	96,2	93,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,7	96,2	94,7	95,4	92,0	89,8	93,5	96,3	95,3	96,6	94,6	93,8	93,9	96,2	96,5

COLOR PARAMETERS

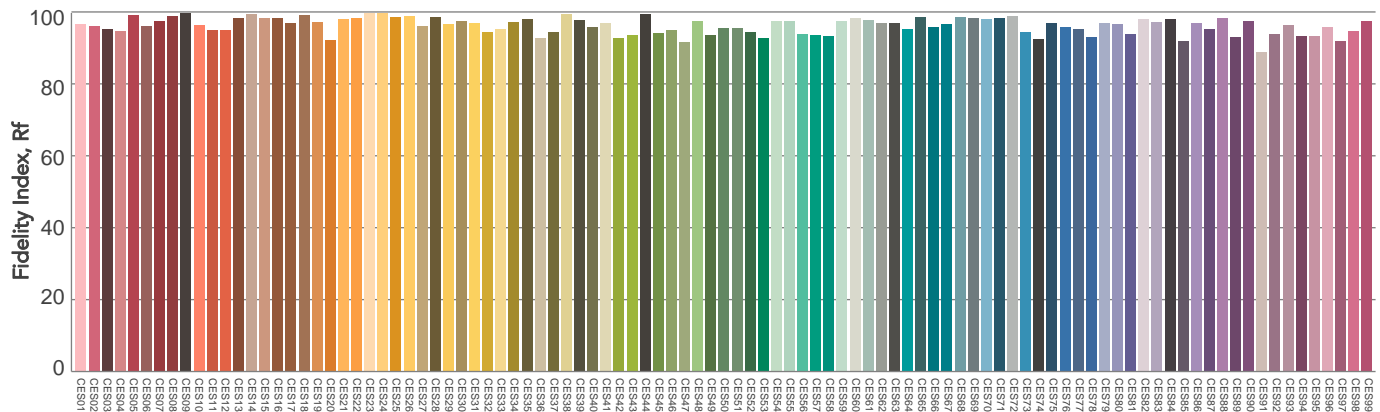
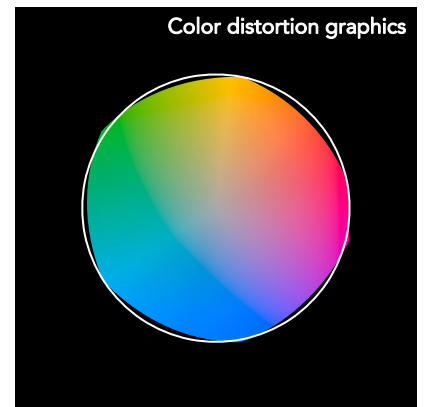
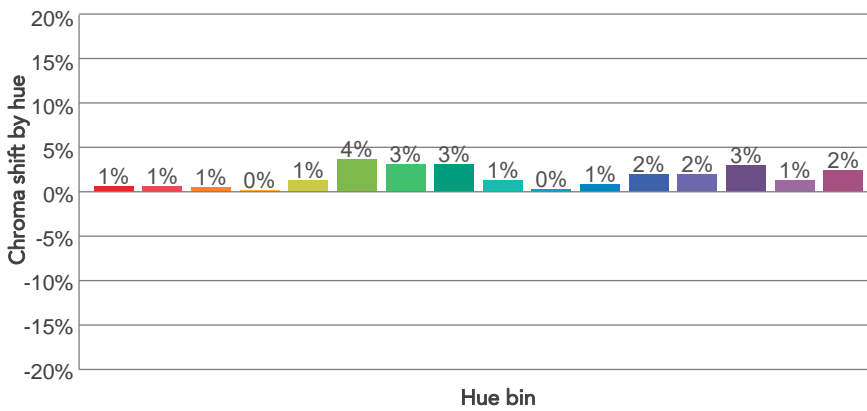
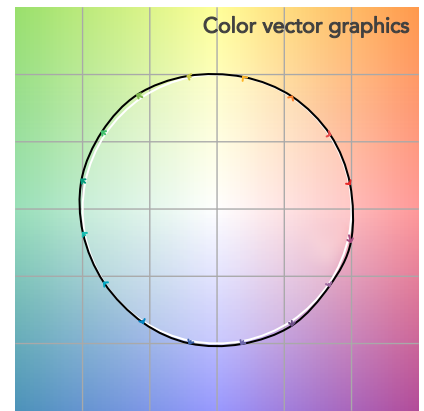
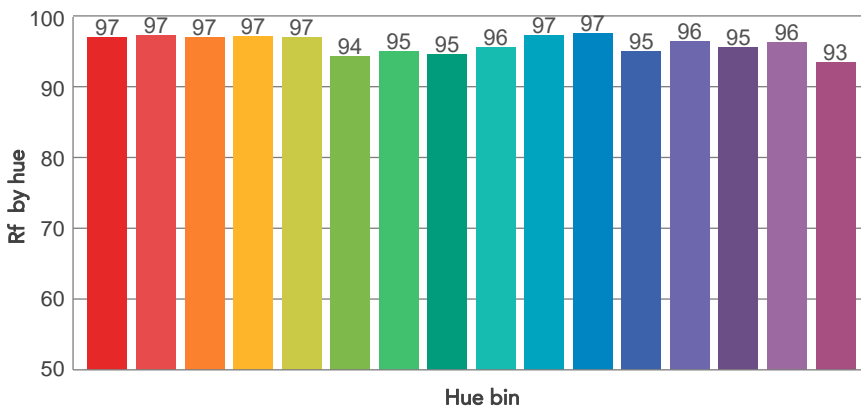
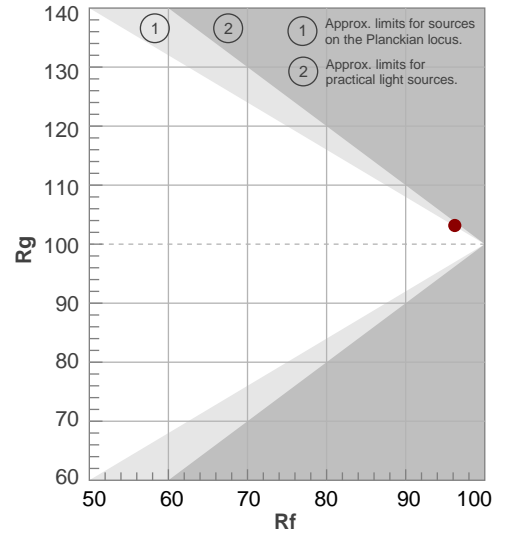
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2598 K	96,6	96,8	96,2	103,2	94,1	98	0,469	0,413	0,0003

TM30 DETAILS

Rf 96,2
Fidelity index Rf

Rg 103,2
Gammut index

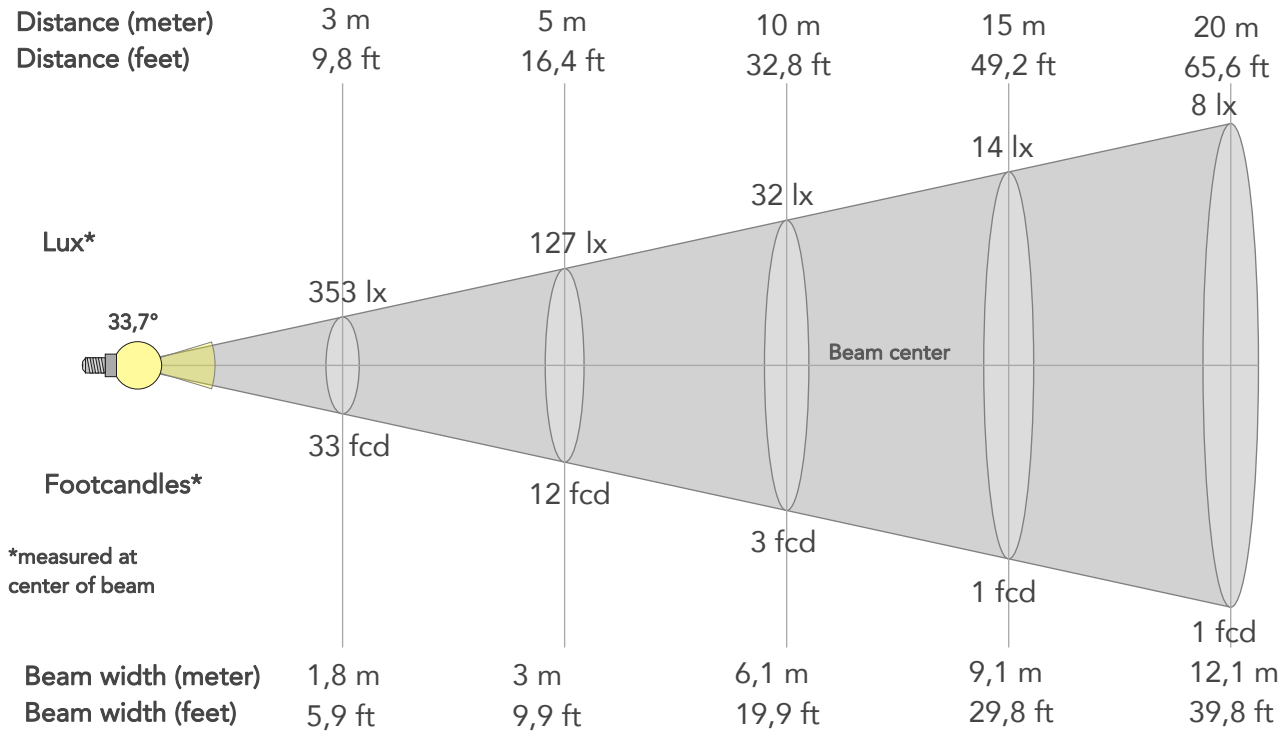
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	1%	0%
4	97	0%	0%
5	97	1%	2%
6	94	4%	2%
7	95	3%	0%
8	95	3%	-2%
9	96	1%	-2%
10	97	0%	-1%
11	97	1%	1%
12	95	2%	-1%
13	96	2%	-2%
14	95	3%	-2%
15	96	1%	-1%
16	93	2%	-5%



BEAM DETAILS



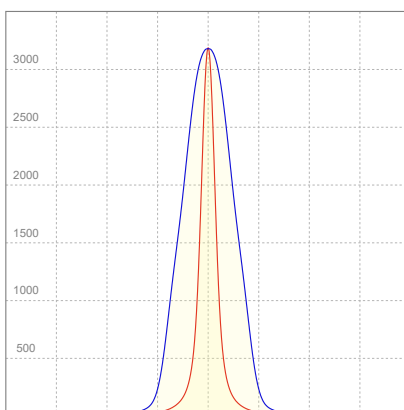
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,7°	59,7°	84,1°	97,4%	92,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3180lx	795lx	353lx	199lx	127lx	57lx	32lx	14lx	8lx	5lx	4lx	2lx	1lx
Footcand.	295fcd	74fcd	33fcd	18fcd	12fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6,1m	9,1m	12,1m	15,2m	18,2m	24,3m	30,3m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,9ft	19,9ft	29,8ft	39,8ft	49,7ft	59,7ft	79,5ft	99,4ft

LINEAR DISTRIBUTION DIAGRAM

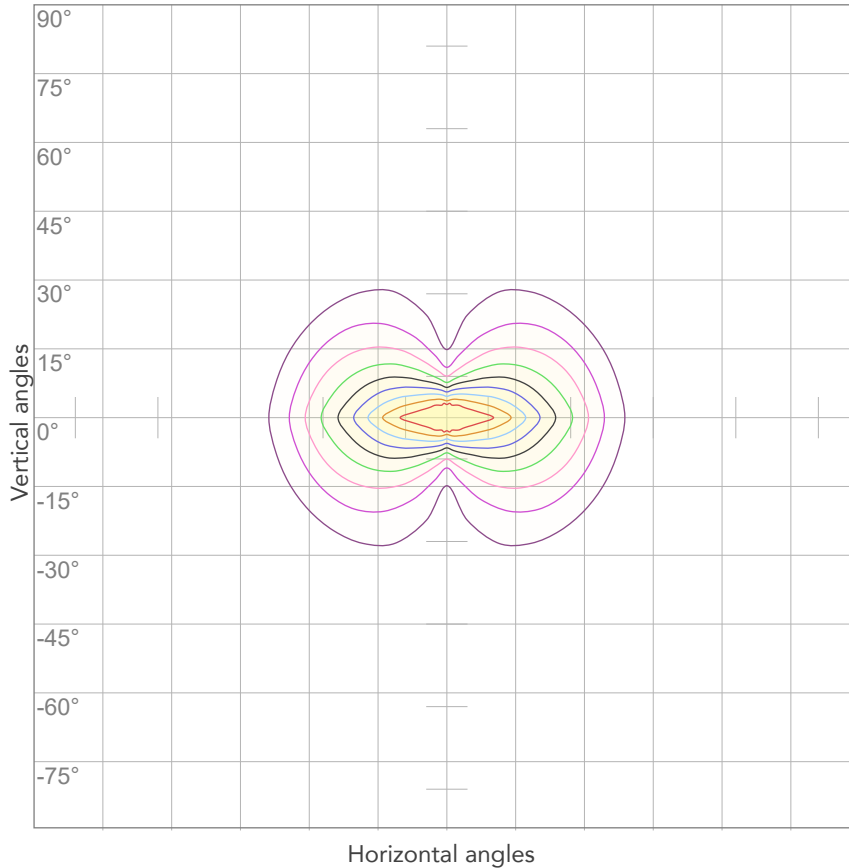


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,125A	26,3W	0,93	59lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



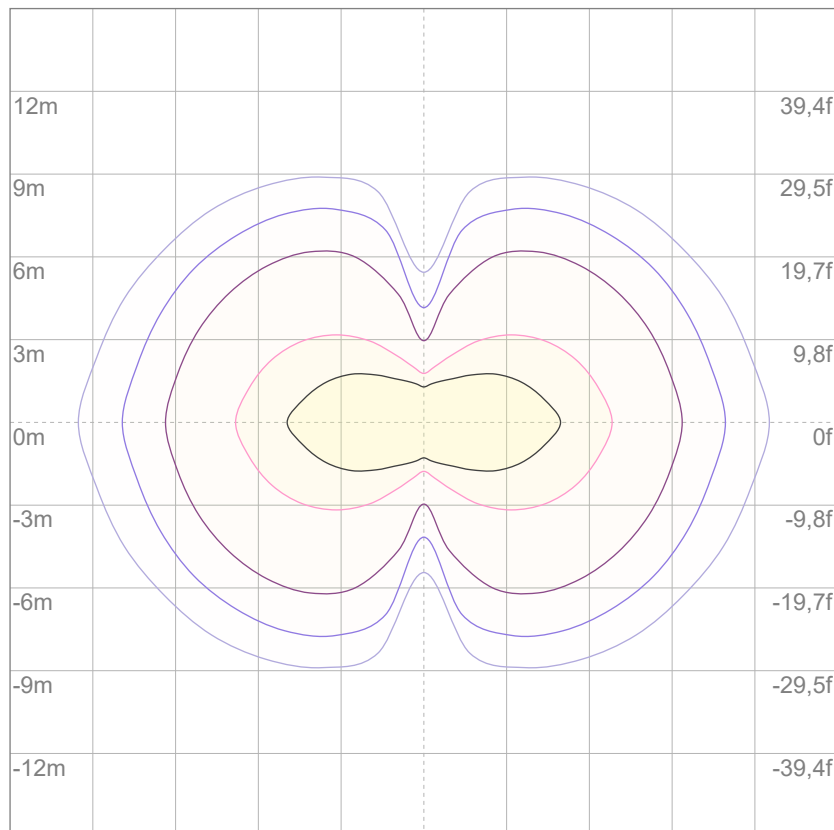
10%	318 cd
20%	636 cd
30%	954 cd
40%	1272 cd
50%	1590 cd
60%	1908 cd
70%	2226 cd
80%	2544 cd

Conditions:

Number of c-planes: 4

Candela at center: 3180 cd

ISO LUX DIAGRAM



3%	0,954 lx
5%	1,59 lx
10%	3,18 lx
30%	9,54 lx
50%	15,9 lx

Conditions:

Number of c-planes: 4

Lux at center: 31,8 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

975 lm

Peak candela output:

1605 cd

Light quality:

CRI: 96,6

Color temperature:

2615 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

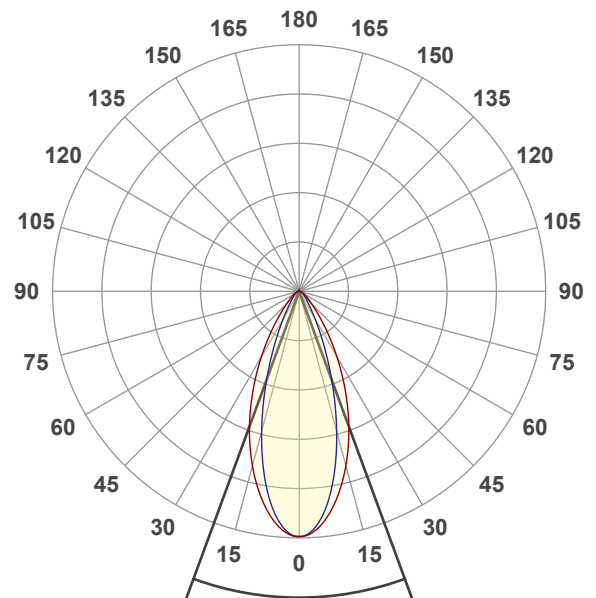
Warm White

Operator:

Salvatore Giglio

Date and time:

20/02/2024 11:40:54

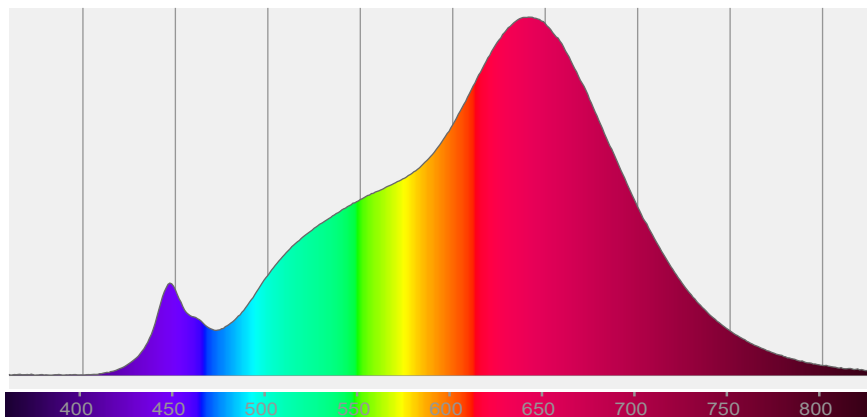


Beam angle 50%: 40,4°

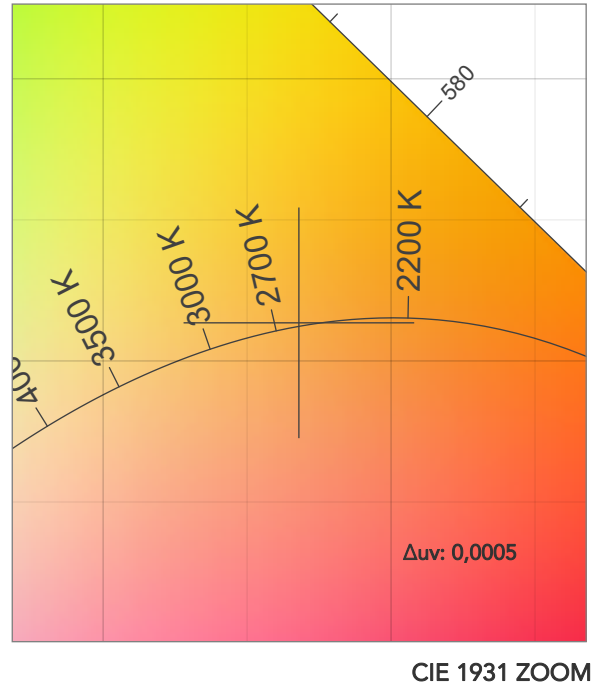
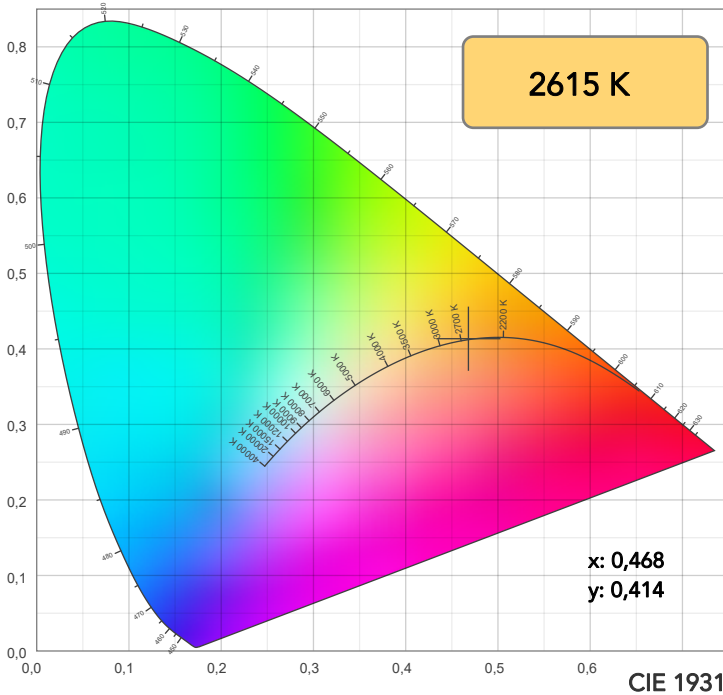
Field angle 10%: 73,9°

Cut off angle 2.5%: 111,8°

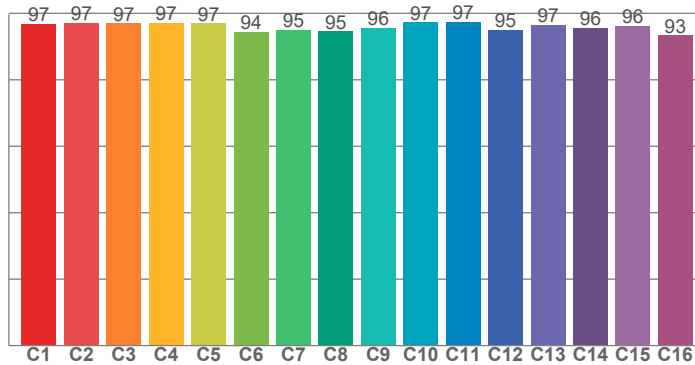
Spectra



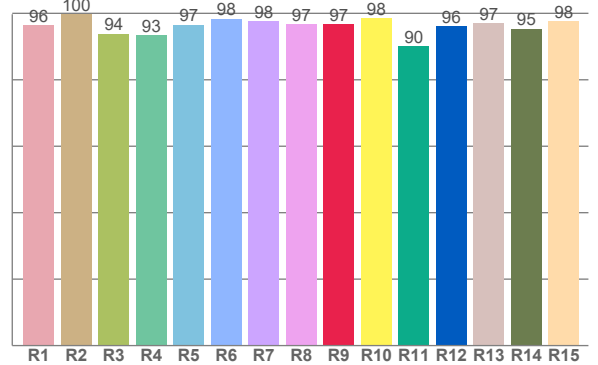
COLOR DETAILS



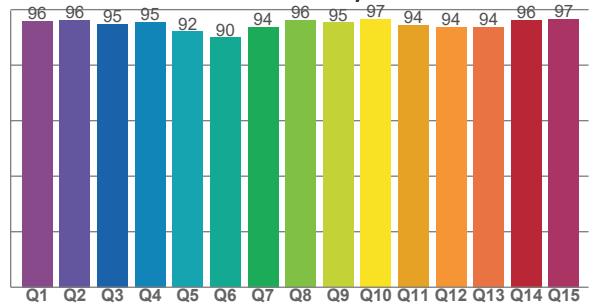
TM30: 96,2



CRI: 96,6 (R1-R8)



CQS: 94,2



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,3	99,8	93,8	93,4	96,5	98,4	97,6	96,7	96,6	98,5	90,0	96,1	97,0	95,4	97,7

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
96,9	97,2	97,0	97,2	97,0	94,4	95,1	94,6	95,6	97,3	97,5	95,1	96,6	95,6	96,2	93,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,8	96,3	94,8	95,5	92,1	90,0	93,8	96,2	95,4	96,7	94,4	93,7	93,8	96,3	96,6

COLOR PARAMETERS

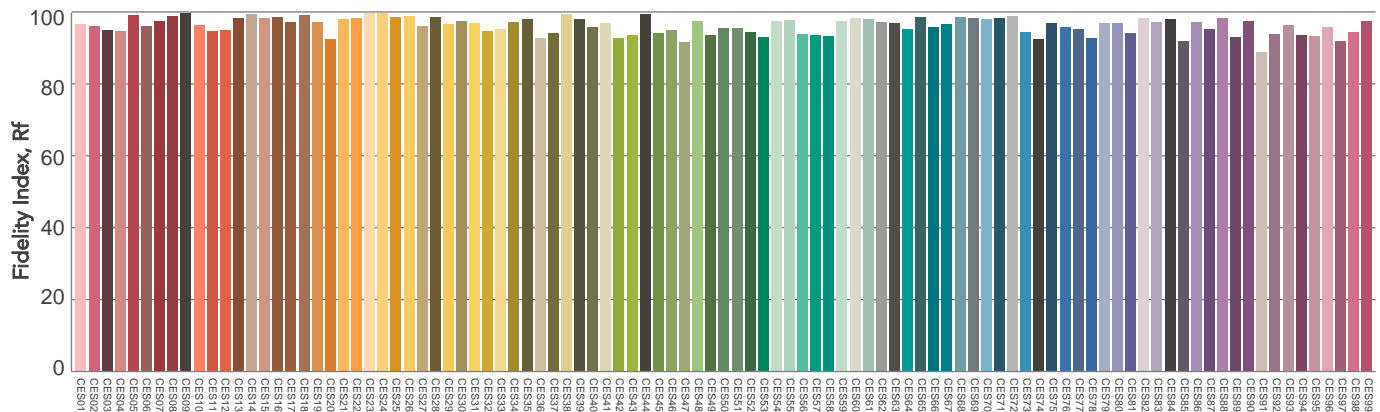
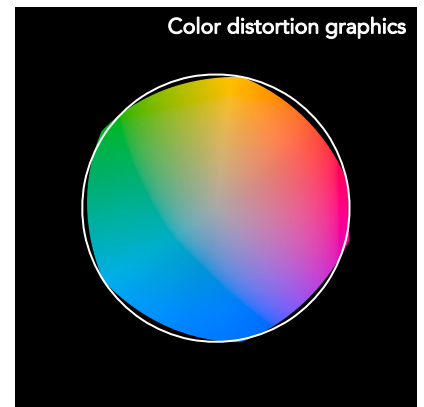
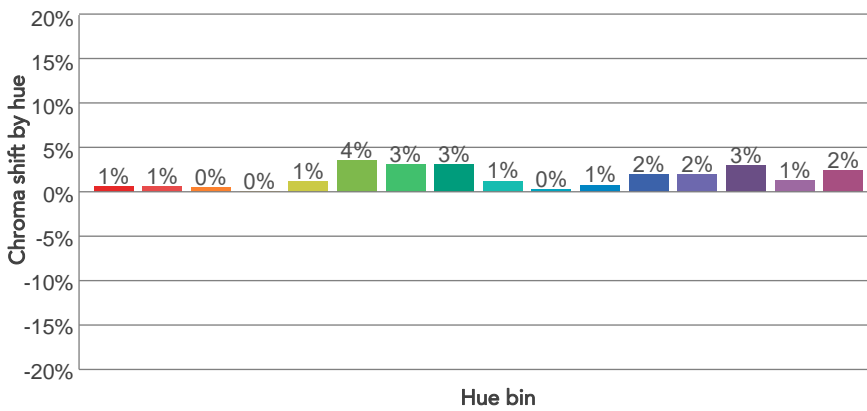
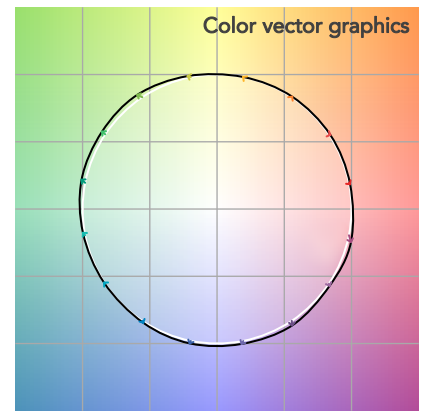
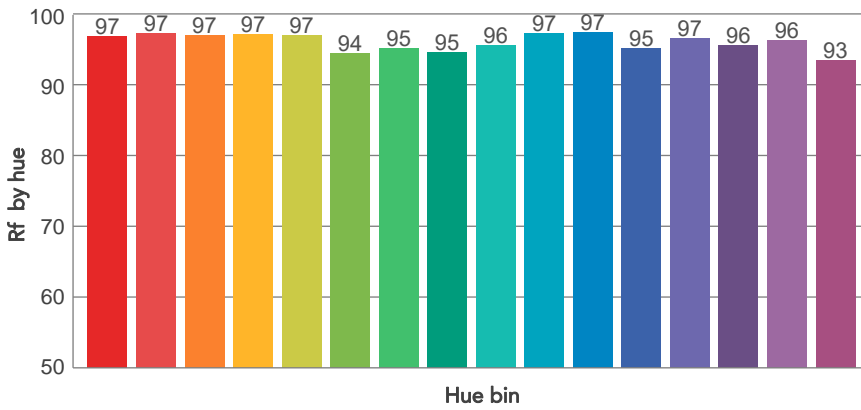
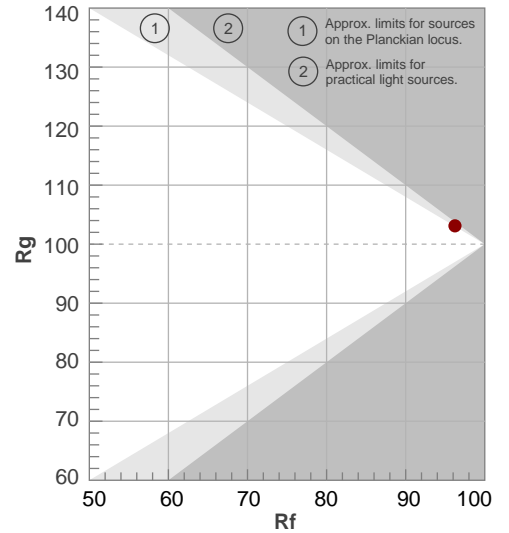
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2615 K	96,6	96,6	96,2	103,1	94,2	98	0,468	0,414	0,0005

TM30 DETAILS

Rf 96,2
Fidelity index Rf

Rg 103,1
Gammut index

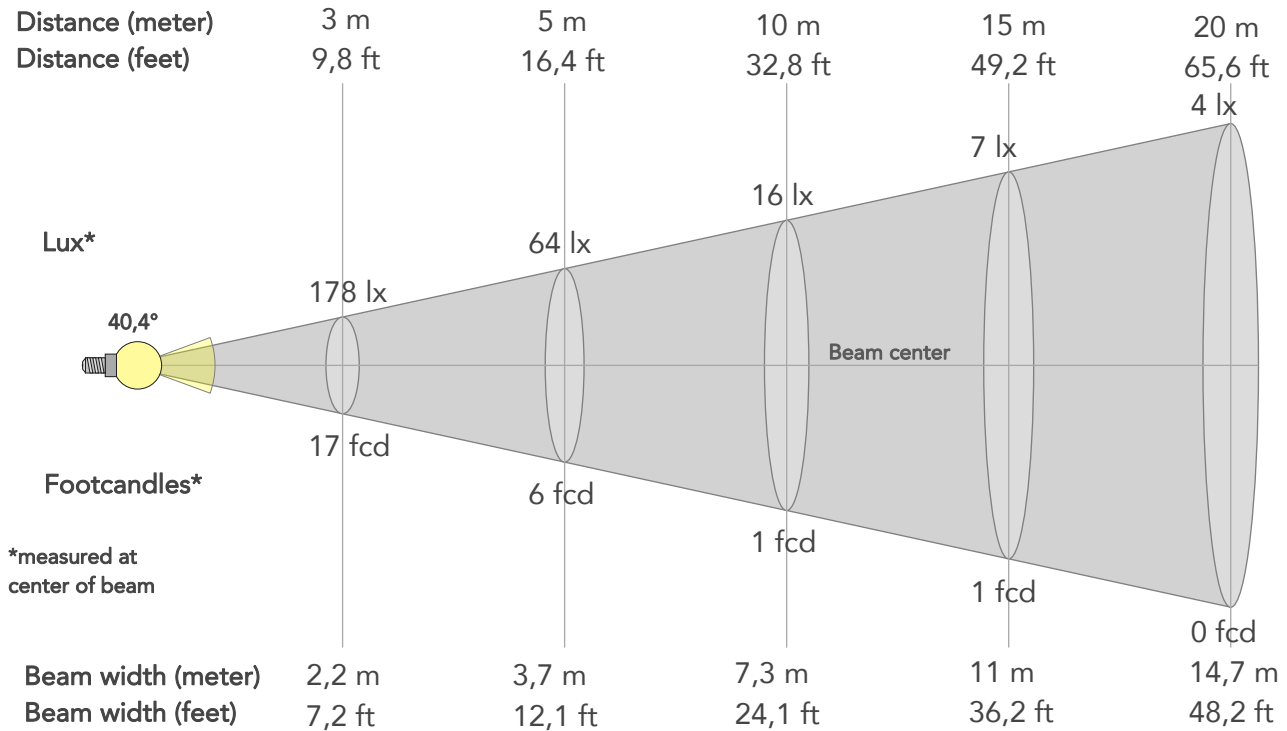
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	0%	0%
4	97	0%	0%
5	97	1%	2%
6	94	4%	2%
7	95	3%	0%
8	95	3%	-2%
9	96	1%	-2%
10	97	0%	-1%
11	97	1%	1%
12	95	2%	0%
13	97	2%	-2%
14	96	3%	-2%
15	96	1%	-1%
16	93	2%	-5%



BEAM DETAILS



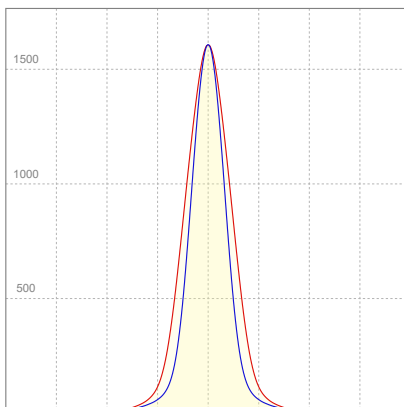
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40,4°	73,9°	111,8°	95,4%	88,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1604lx	401lx	178lx	100lx	64lx	29lx	16lx	7lx	4lx	3lx	2lx	1lx	1lx
Footcand.	149fcd	37fcd	17fcd	9fcd	6fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	2,9m	3,7m	5,5m	7,3m	11m	14,7m	18,4m	22m	29,4m	36,7m
Beam wid.	2,4ft	4,9ft	7,2ft	9,6ft	12,1ft	18,1ft	24,1ft	36,2ft	48,2ft	60,3ft	72,3ft	96,4ft	120,5ft

LINEAR DISTRIBUTION DIAGRAM

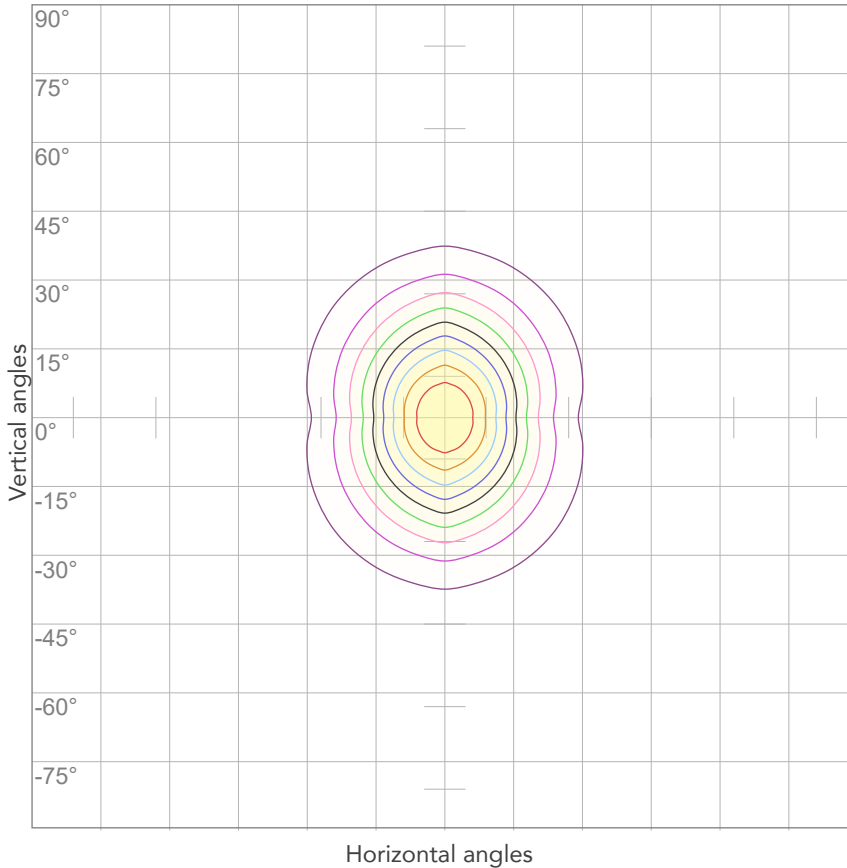


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,126A	26,5W	0,94	37lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



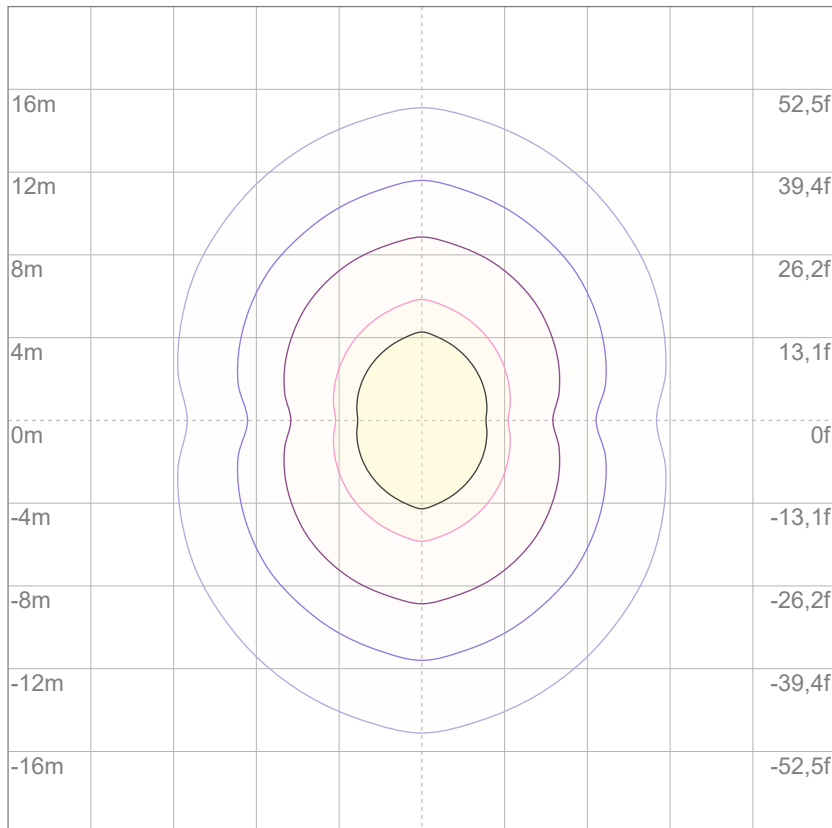
10%	160 cd
20%	321 cd
30%	481 cd
40%	642 cd
50%	802 cd
60%	962 cd
70%	1123 cd
80%	1283 cd

Conditions:

Number of c-planes: 4

Candela at center: 1604 cd

ISO LUX DIAGRAM



3%	0,481 lx
5%	0,802 lx
10%	1,60 lx
30%	4,81 lx
50%	8,02 lx

Conditions:

Number of c-planes: 4

Lux at center: 16,0 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1657 lm

Peak candela output:

33004 cd

Light quality:

CRI: 92,9

Color temperature:

6650 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

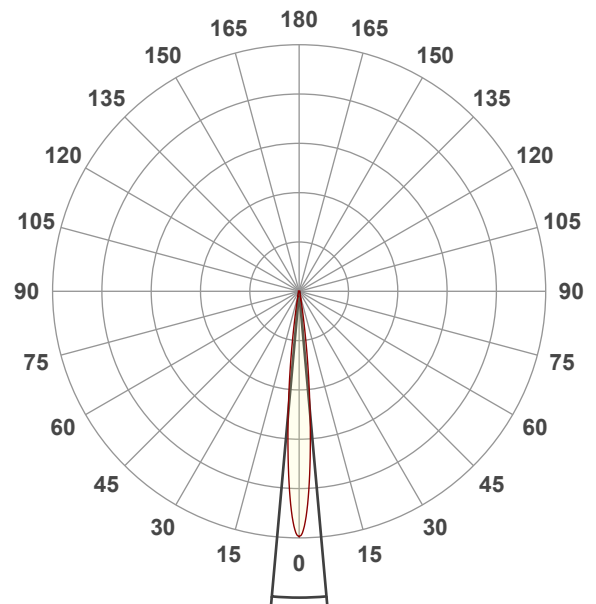
Cold White

Operator:

Salvatore Giglio

Date and time:

19/02/2024 16:15:20

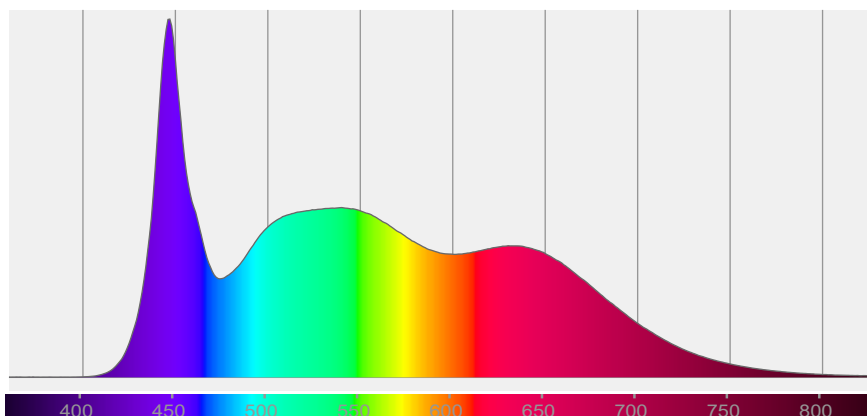


Beam angle 50%: 10,2°

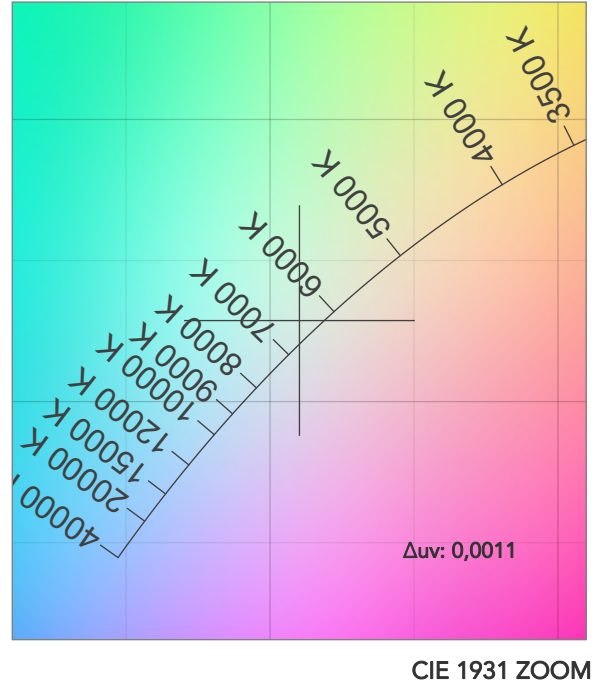
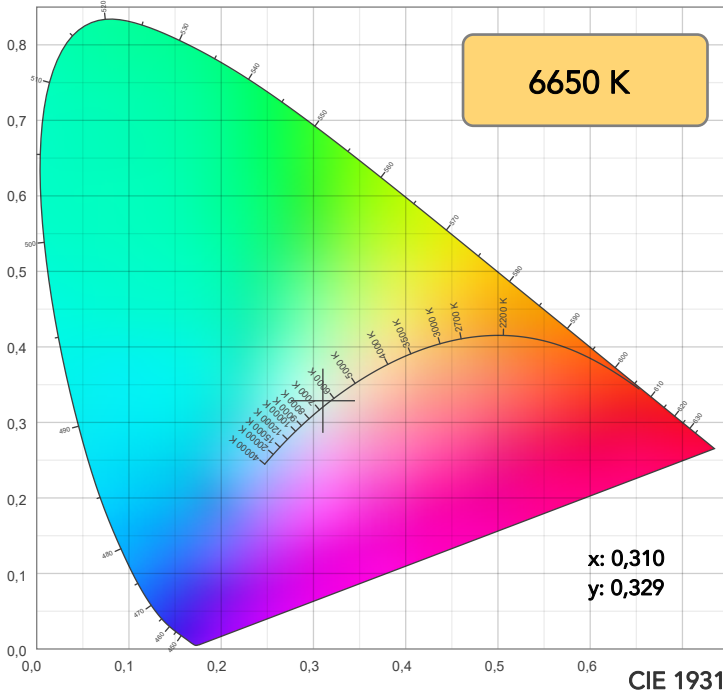
Field angle 10%: 18,6°

Cut off angle 2.5%: 27,6°

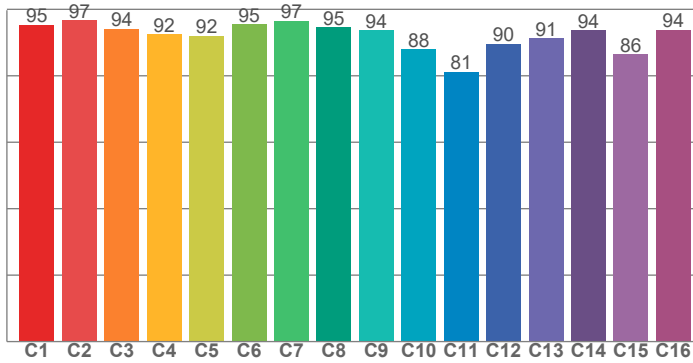
Spectra



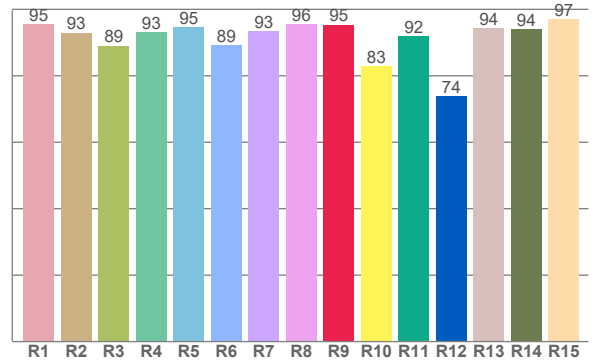
COLOR DETAILS



TM30: 92,1



CRI: 92,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,4	92,9	89,1	93,0	94,6	89,1	93,4	95,6	95,3	82,9	91,9	73,9	94,4	94,1	96,9

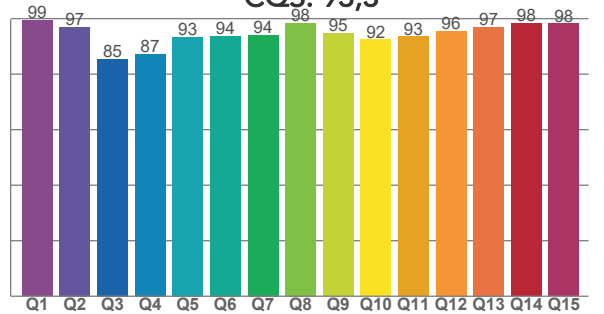
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,3	96,7	94,2	92,4	92,0	95,5	96,6	94,6	93,6	87,9	81,2	89,5	91,3	93,6	86,4	93,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,4	96,9	85,5	87,3	93,4	93,7	94,0	98,4	94,7	92,4	93,5	95,5	97,0	98,3	98,2

CQS: 93,3



COLOR PARAMETERS

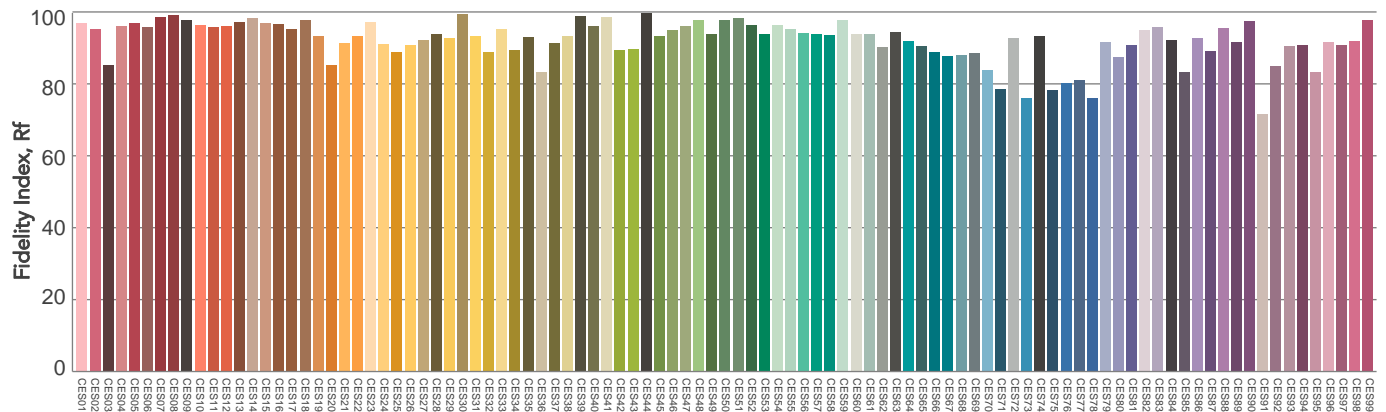
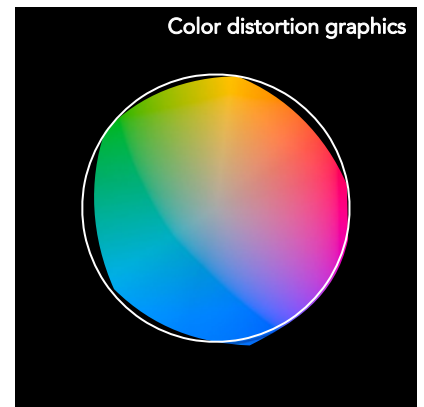
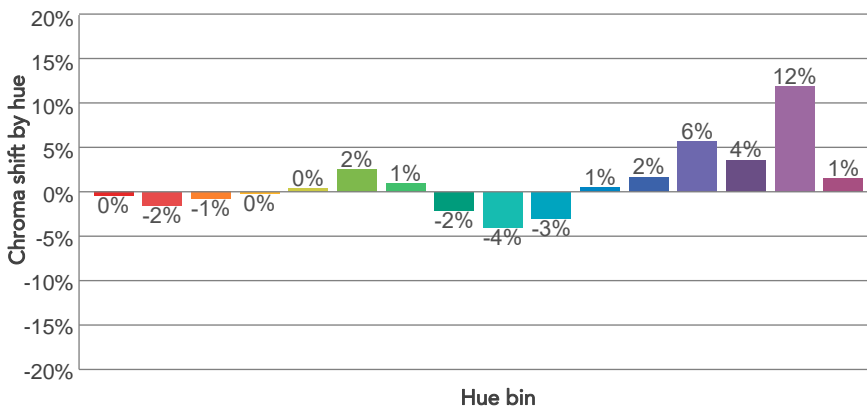
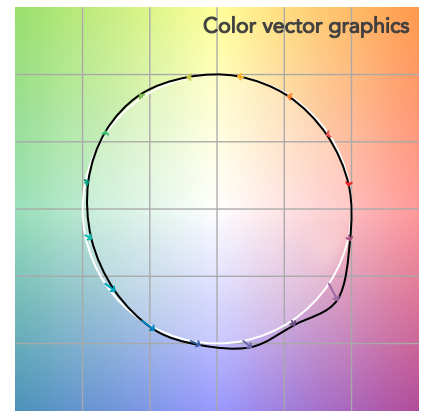
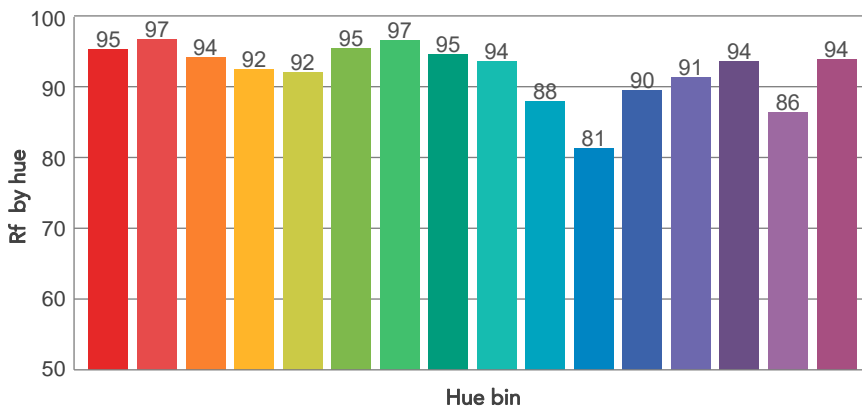
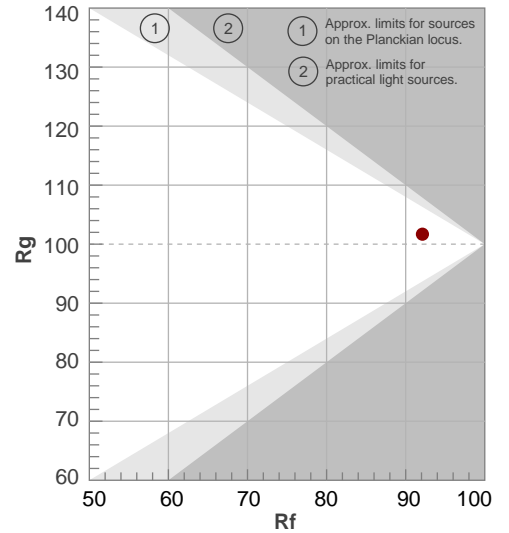
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6650 K	92,9	95,3	92,1	101,7	93,3	98	0,310	0,329	0,0011

TM30 DETAILS

Rf 92,1
Fidelity index Rf

Rg 101,7
Gammut index

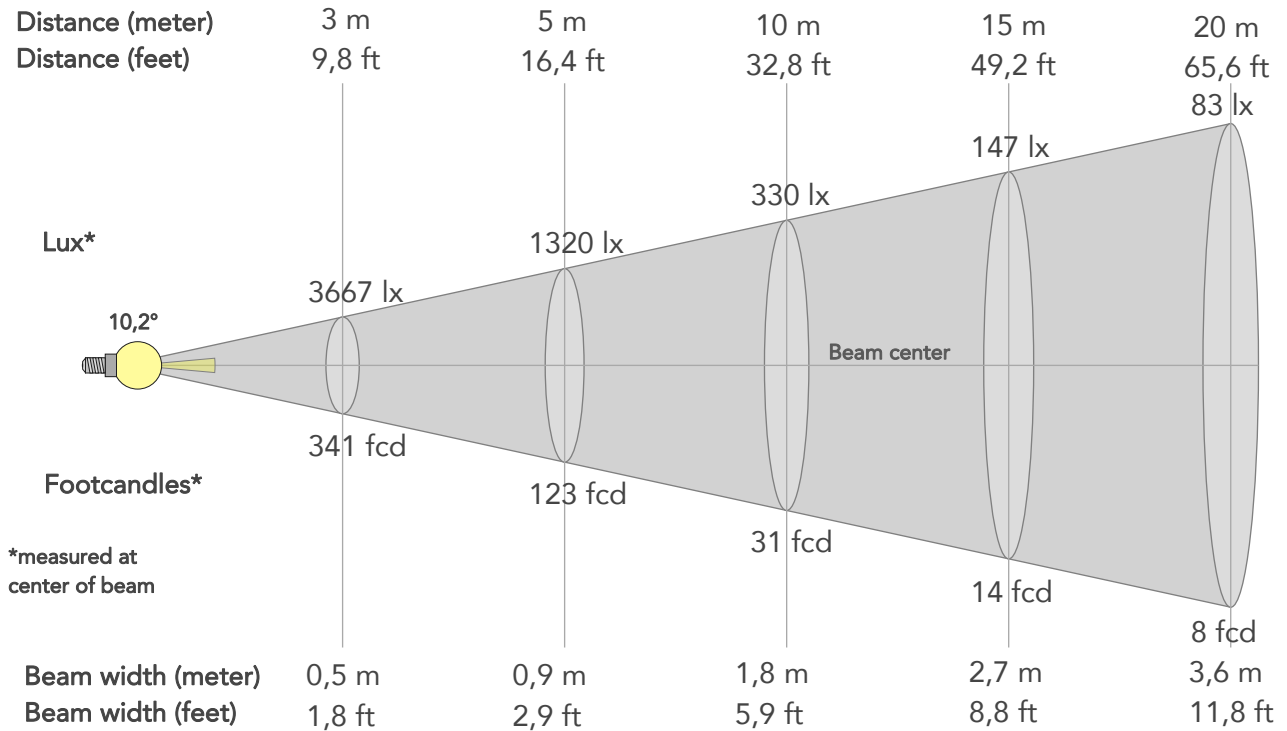
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	0%	-2%
2	97	-2%	0%
3	94	-1%	3%
4	92	0%	4%
5	92	0%	2%
6	95	2%	0%
7	97	1%	-2%
8	95	-2%	-1%
9	94	-4%	3%
10	88	-3%	8%
11	81	1%	11%
12	90	2%	7%
13	91	6%	5%
14	94	4%	0%
15	86	12%	-6%
16	94	1%	-3%



BEAM DETAILS



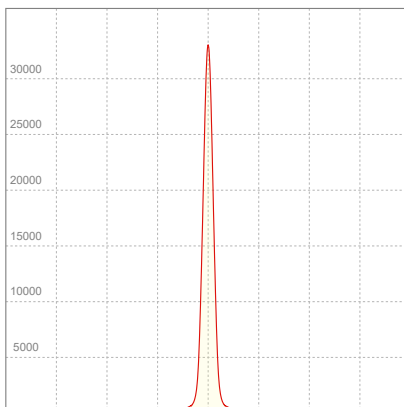
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,2°	18,6°	27,6°	97,2%	94,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	33004lx	8251lx	3667lx	2063lx	1320lx	587lx	330lx	147lx	83lx	53lx	37lx	21lx	13lx
Footcand.	3066fcd	767fcd	341fcd	192fcd	123fcd	55fcd	31fcd	14fcd	8fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,7m	3,6m	4,5m	5,4m	7,2m	9m
Beam wid.	0,6ft	1,2ft	1,8ft	2,3ft	2,9ft	4,4ft	5,9ft	8,8ft	11,8ft	14,7ft	17,6ft	23,5ft	29,4ft

LINEAR DISTRIBUTION DIAGRAM

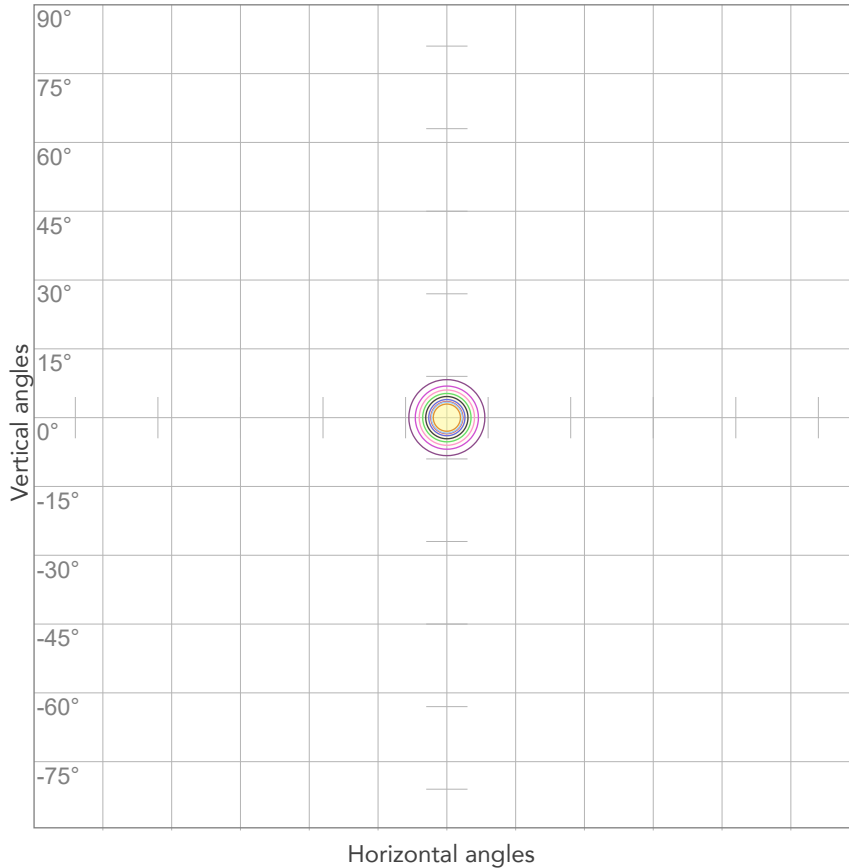


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,125A	26,2W	0,92	63lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



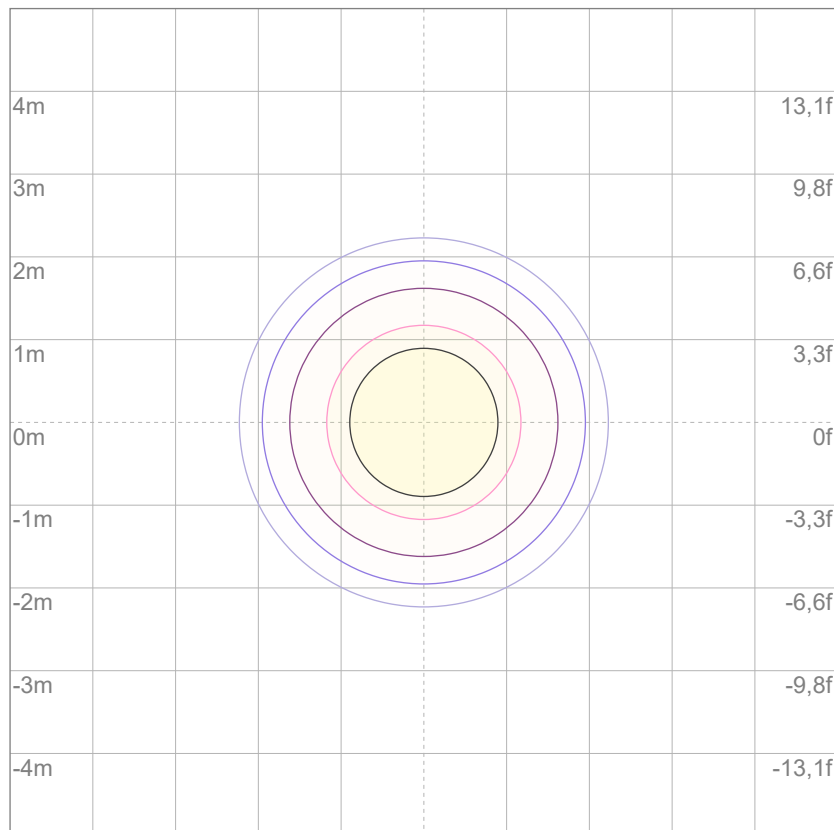
10%	3300 cd
20%	6601 cd
30%	9901 cd
40%	13202 cd
50%	16502 cd
60%	19802 cd
70%	23103 cd
80%	26403 cd

Conditions:

Number of c-planes: 2

Candela at center: 33004 cd

ISO LUX DIAGRAM



3%	9,90 lx
5%	16,5 lx
10%	33,0 lx
30%	99,0 lx
50%	165 lx

Conditions:

Number of c-planes: 2

Lux at center: 330 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1512 lm

Peak candela output:

6159 cd

Light quality:

CRI: 93,0

Color temperature:

6631 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

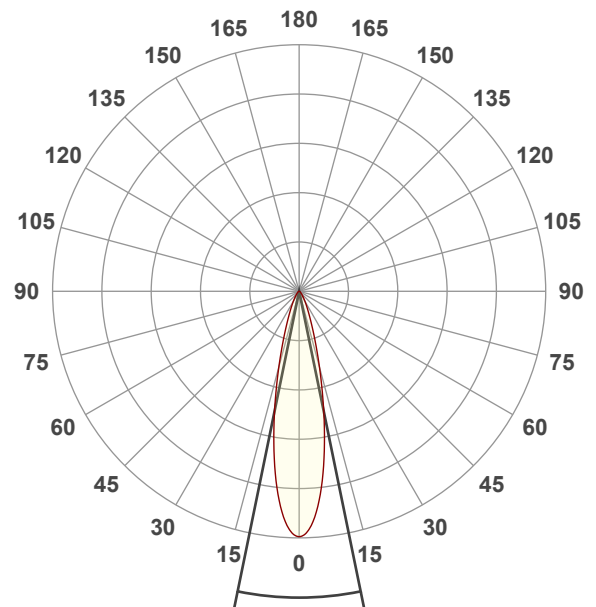
Cold White

Operator:

Salvatore Giglio

Date and time:

19/02/2024 17:14:12

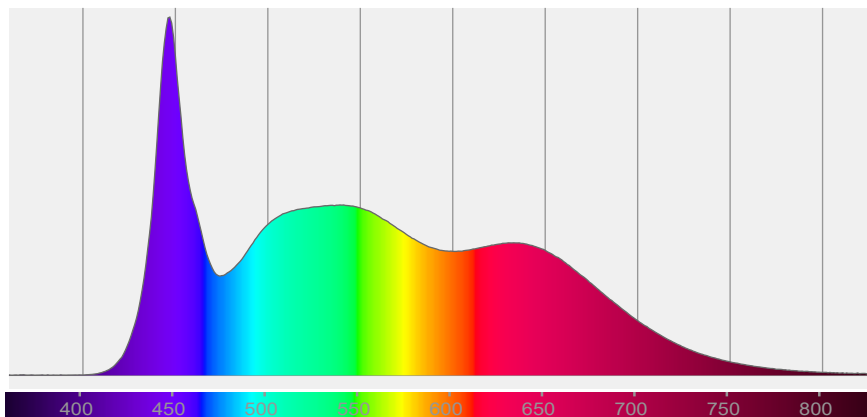


Beam angle 50%: 23,2°

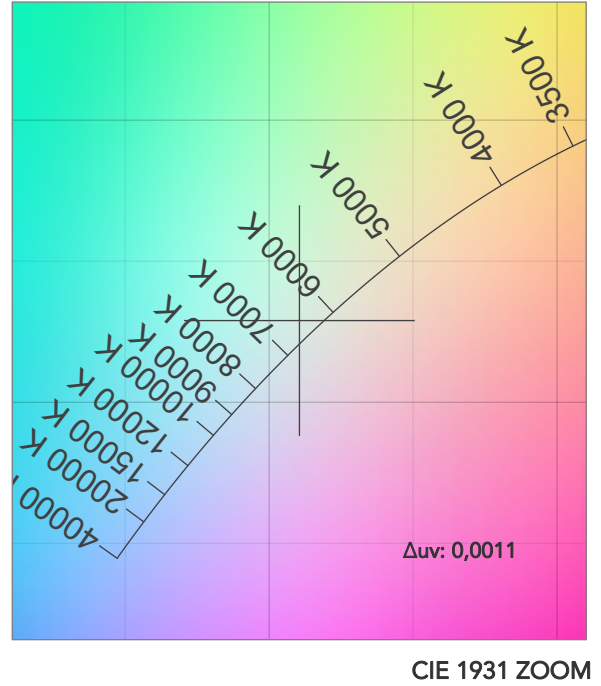
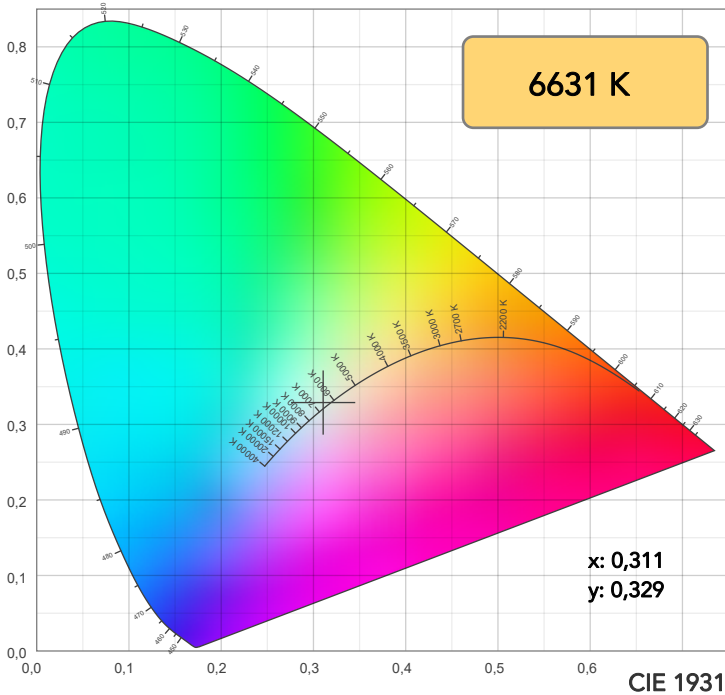
Field angle 10%: 46,9°

Cut off angle 2.5%: 72,6°

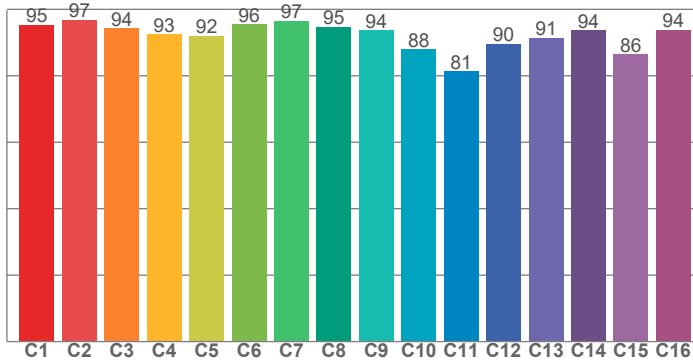
Spectra



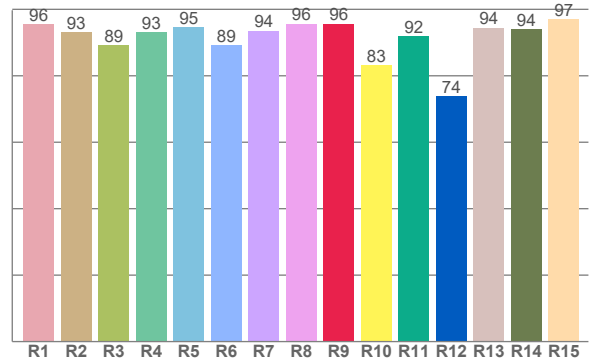
COLOR DETAILS



TM30: 92,2



CRI: 93,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,6	93,1	89,1	93,1	94,7	89,3	93,5	95,7	95,7	83,2	92,0	73,9	94,5	94,1	97,0

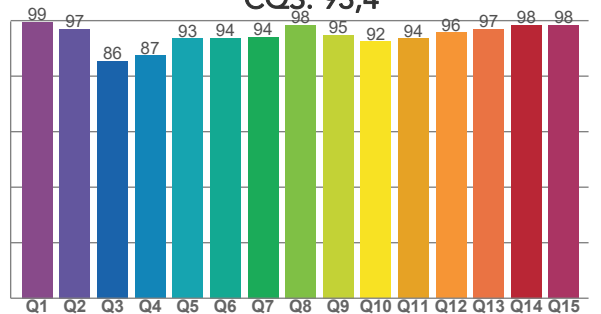
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,4	96,8	94,2	92,5	92,0	95,5	96,6	94,7	93,7	87,9	81,3	89,6	91,4	93,7	86,4	93,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,4	96,9	85,5	87,4	93,5	93,8	94,1	98,5	94,8	92,5	93,6	95,6	97,0	98,4	98,3

CQS: 93,4



COLOR PARAMETERS

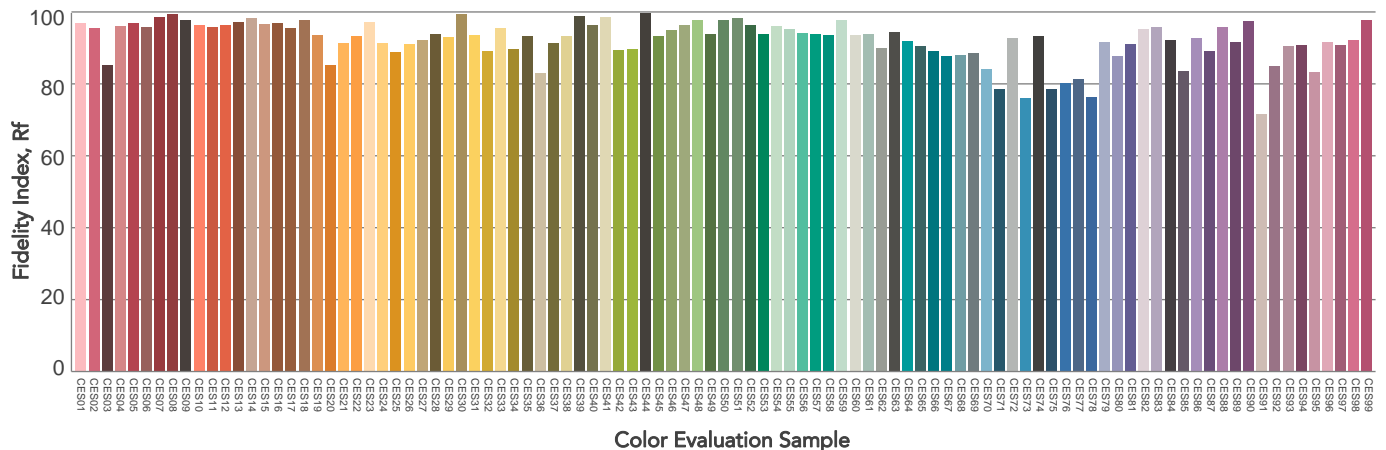
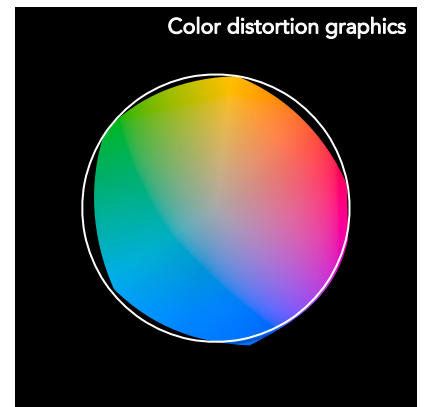
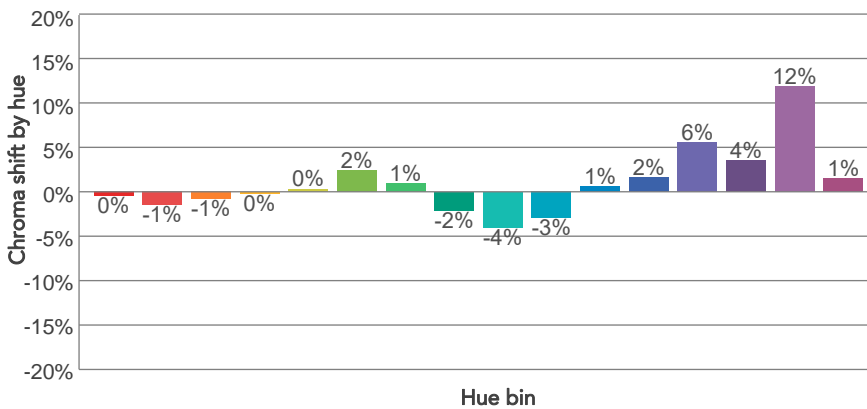
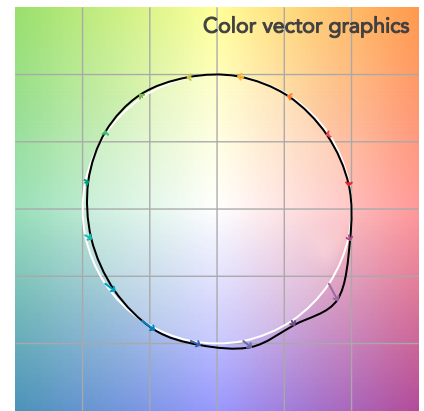
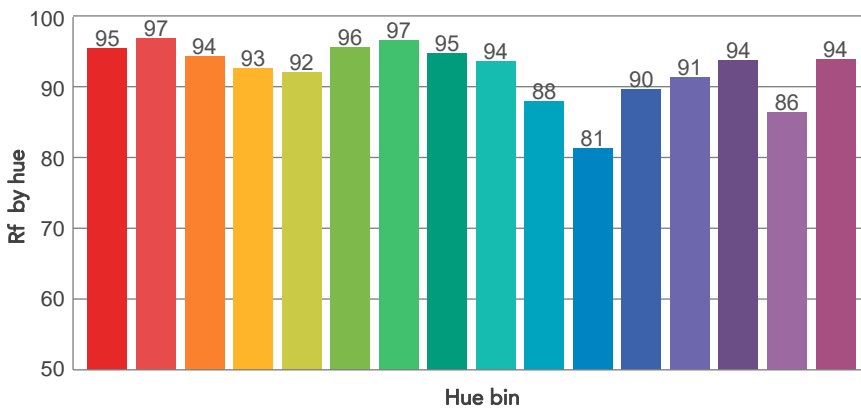
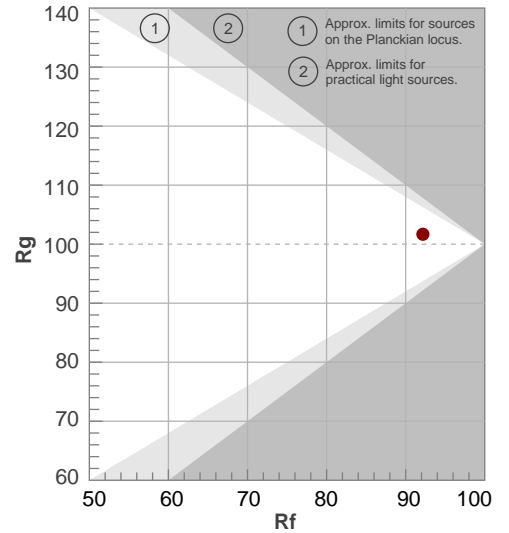
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6631 K	93,0	95,7	92,2	101,7	93,4	98	0,311	0,329	0,0011

TM30 DETAILS

Rf 92,2
Fidelity index Rf

Rg 101,7
Gammut index

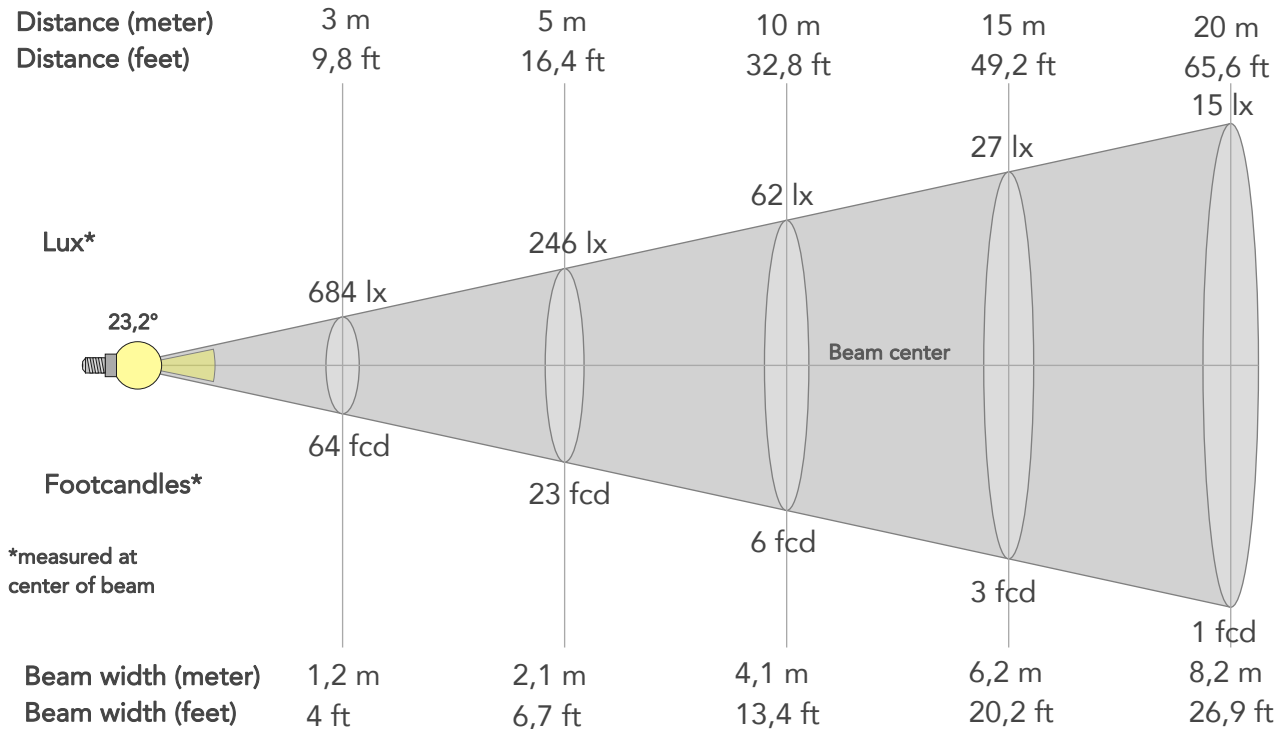
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	0%	-2%
2	97	-1%	0%
3	94	-1%	3%
4	93	0%	4%
5	92	0%	2%
6	96	2%	0%
7	97	1%	-2%
8	95	-2%	-1%
9	94	-4%	3%
10	88	-3%	8%
11	81	1%	11%
12	90	2%	7%
13	91	6%	5%
14	94	4%	0%
15	86	12%	-6%
16	94	1%	-3%



BEAM DETAILS



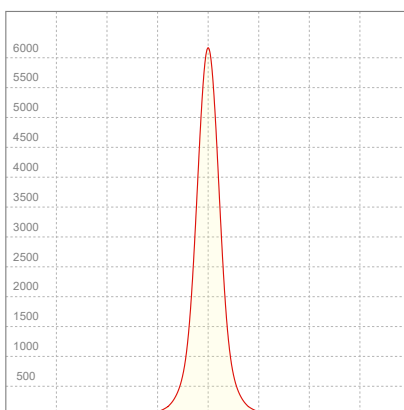
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,2°	46,9°	72,6°	97,0%	92,8%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6159lx	1540lx	684lx	385lx	246lx	109lx	62lx	27lx	15lx	10lx	7lx	4lx	2lx
Footcand.	572fcd	143fcd	64fcd	36fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2,1m	3,1m	4,1m	6,2m	8,2m	10,3m	12,3m	16,4m	20,5m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,7ft	10,1ft	13,4ft	20,2ft	26,9ft	33,6ft	40,3ft	53,8ft	67,2ft

LINEAR DISTRIBUTION DIAGRAM

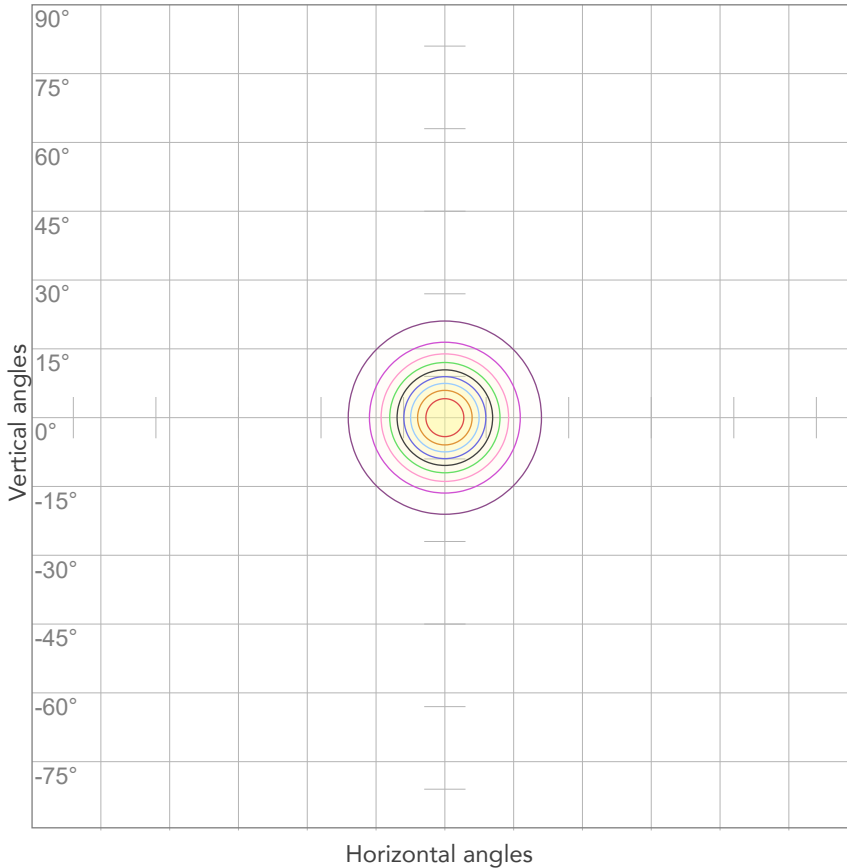


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,124A	26,2W	0,93	58lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



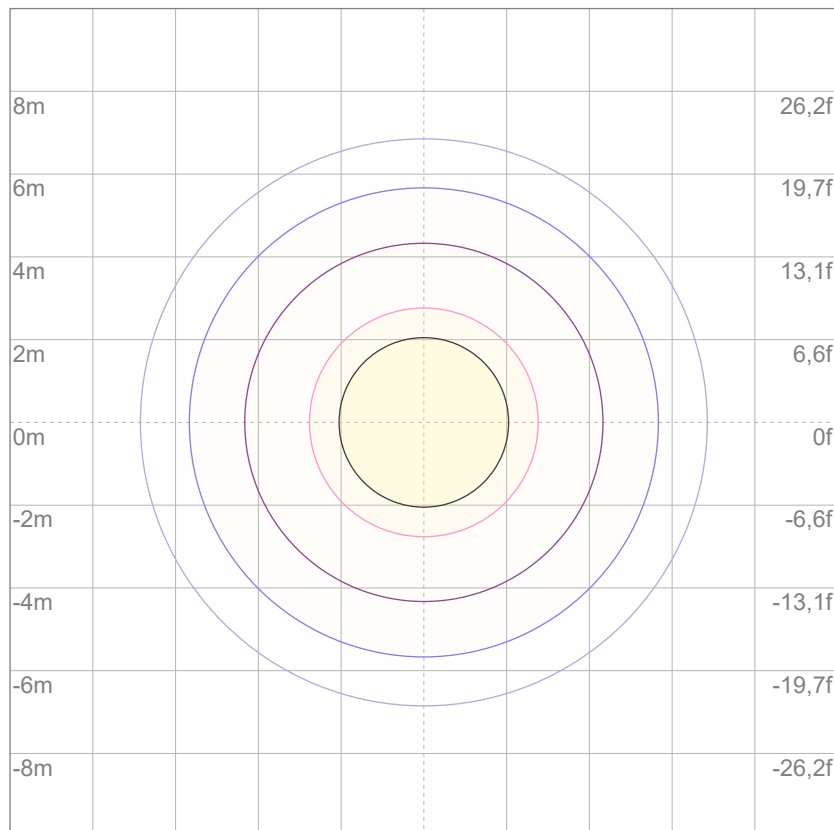
10%	616 cd
20%	1232 cd
30%	1848 cd
40%	2464 cd
50%	3080 cd
60%	3695 cd
70%	4311 cd
80%	4927 cd

Conditions:

Number of c-planes: 2

Candela at center: 6159 cd

ISO LUX DIAGRAM



3%	1,85 lx
5%	3,08 lx
10%	6,16 lx
30%	18,5 lx
50%	30,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 61,6 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.



Total lumen output:

1430 lm

Peak candela output:

1768 cd

Light quality:

CRI: 93,7

Color temperature:

6695 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 0° Filter

Target:

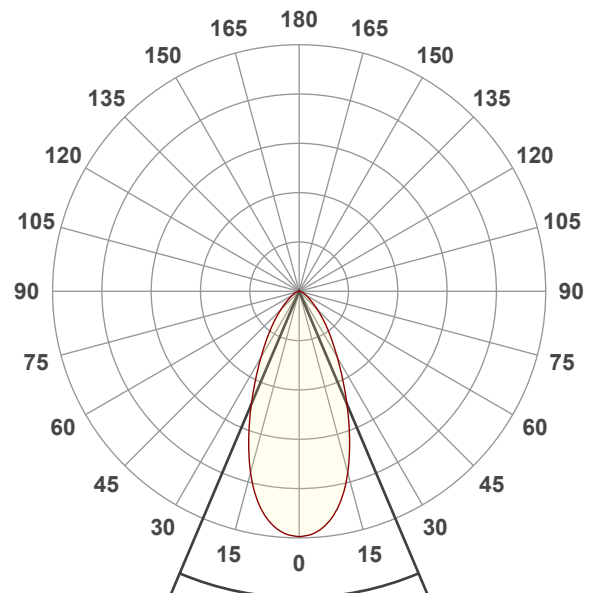
Cold White

Operator:

Salvatore Giglio

Date and time:

19/02/2024 17:50:11

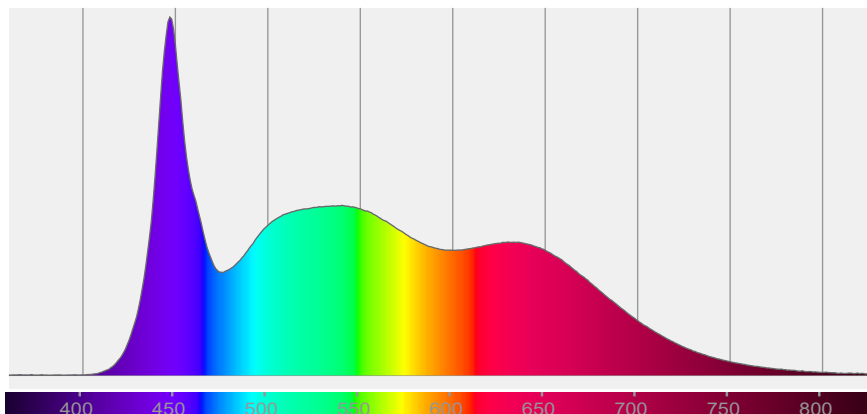


Beam angle 50%: 45,9°

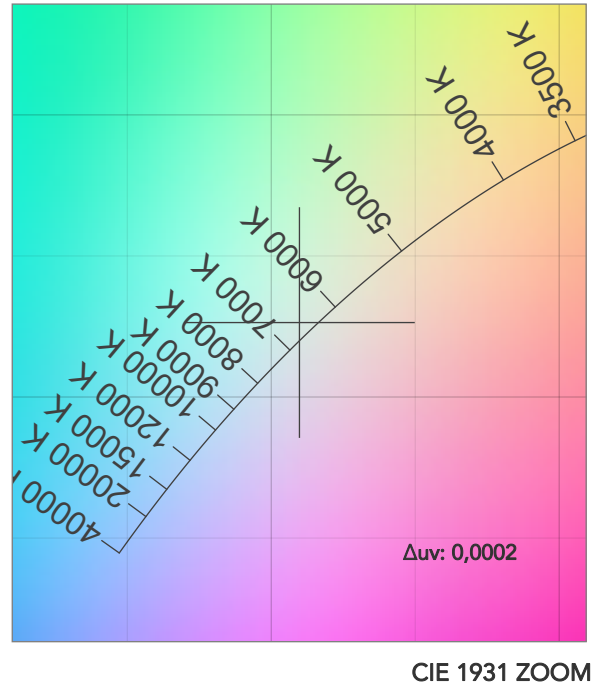
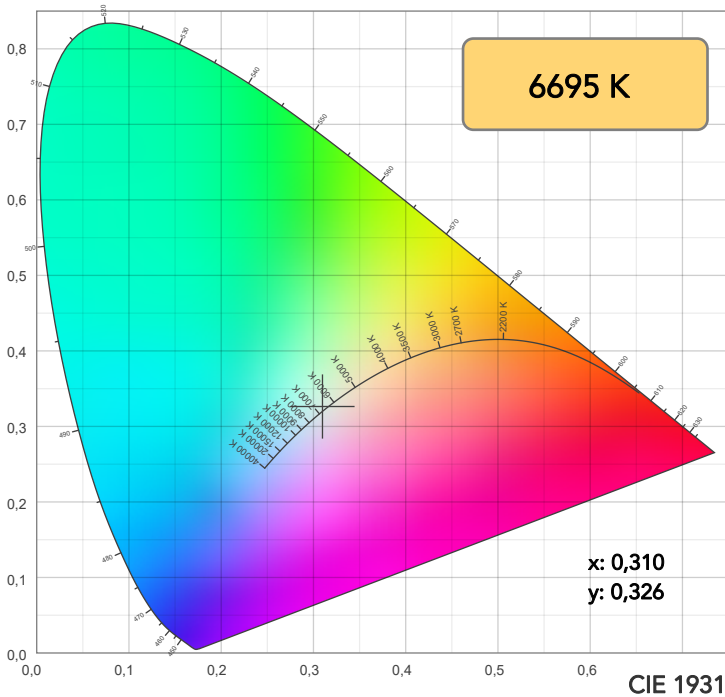
Field angle 10%: 91,2°

Cut off angle 2.5%: 128,2°

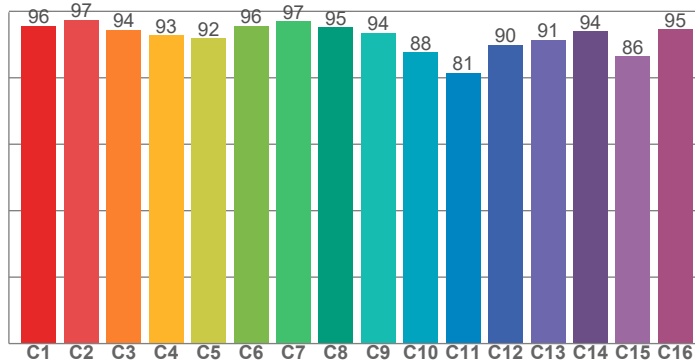
Spectra



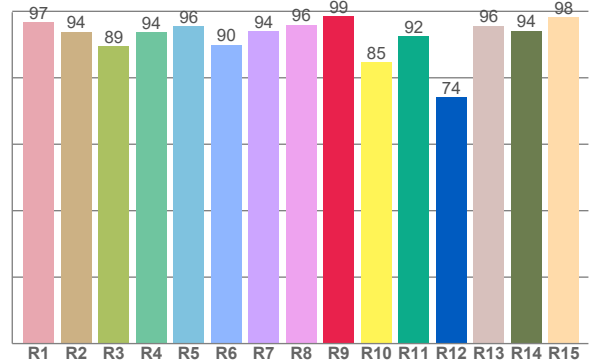
COLOR DETAILS



TM30: 92,3



CRI: 93,7 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,6	93,9	89,4	93,8	95,6	90,0	94,1	96,0	98,6	84,7	92,5	74,1	95,6	94,2	98,1

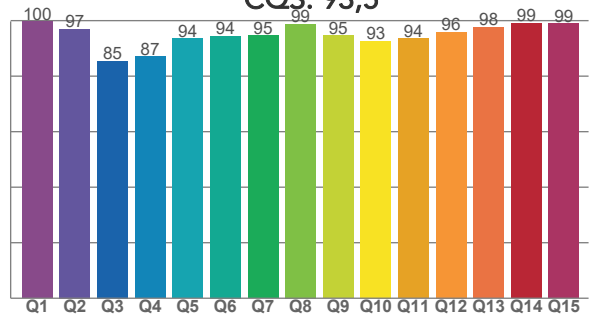
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,6	97,4	94,5	92,8	91,9	95,7	97,0	95,2	93,6	87,7	81,5	89,9	91,4	93,9	86,4	94,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,7	97,0	85,4	87,1	93,6	94,5	94,6	98,7	94,6	92,6	93,6	95,9	97,6	99,0	98,9

CQS: 93,5



COLOR PARAMETERS

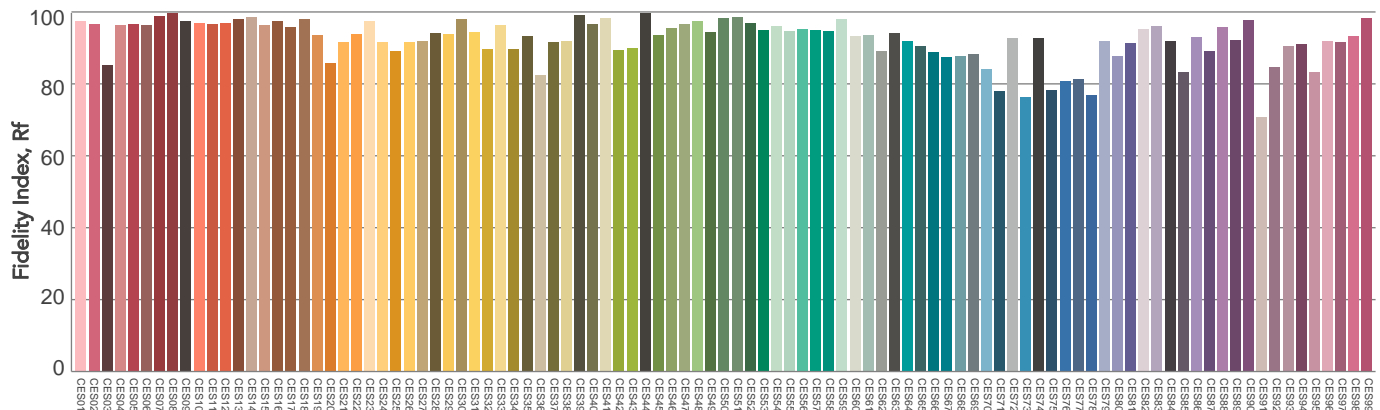
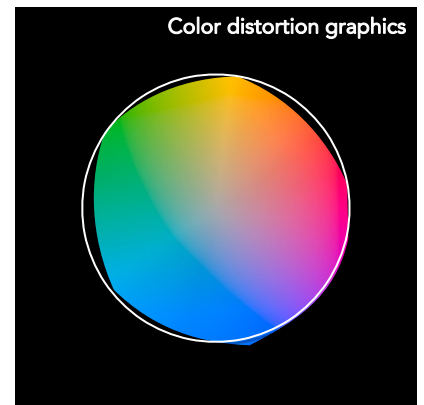
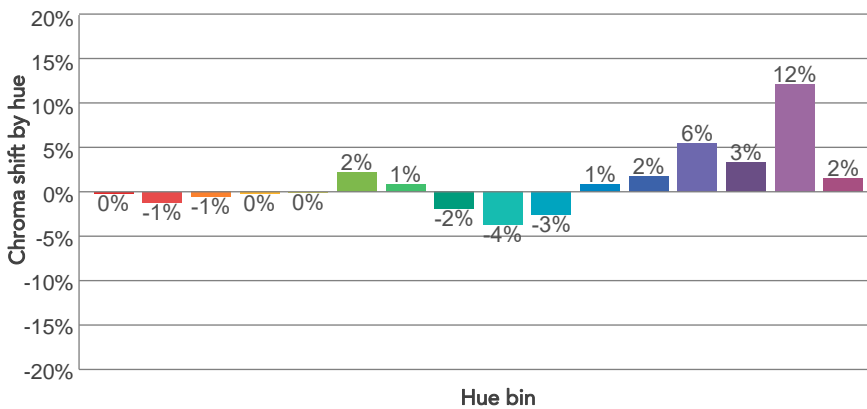
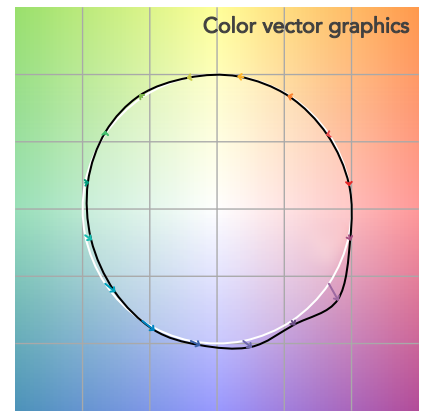
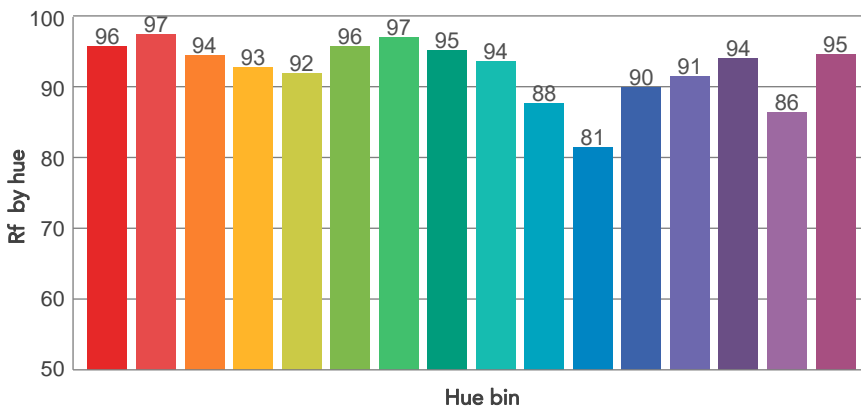
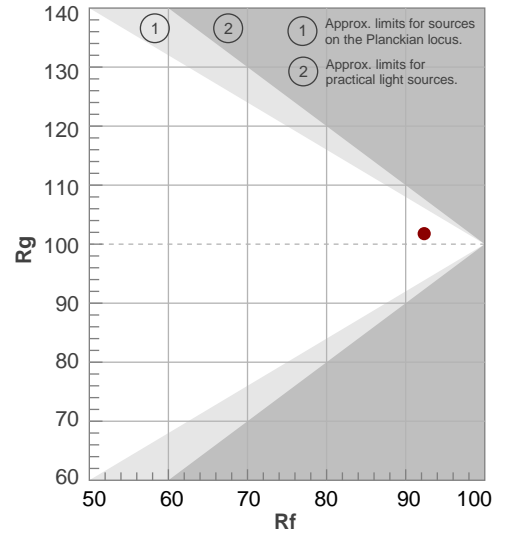
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6695 K	93,7	98,6	92,3	101,8	93,5	98	0,310	0,326	0,0002

TM30 DETAILS

Rf 92,3
Fidelity index Rf

Rg 101,8
Gammut index

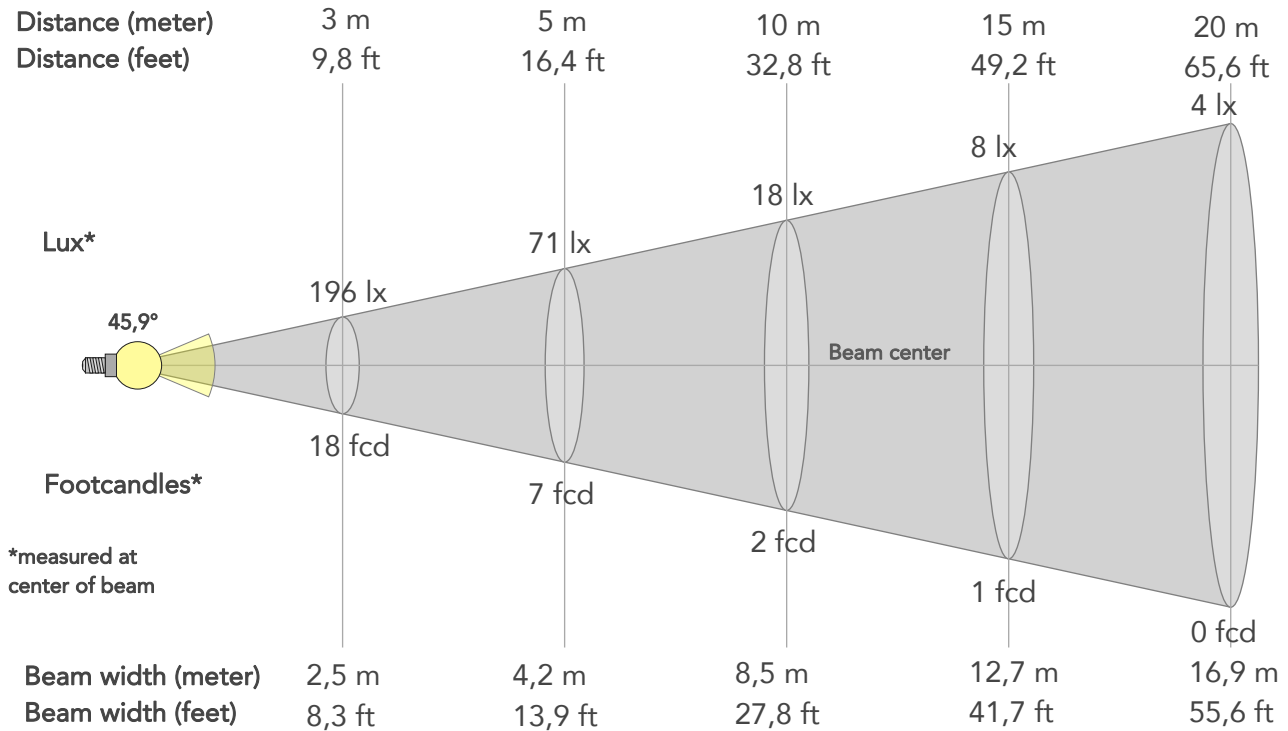
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-2%
2	97	-1%	0%
3	94	-1%	2%
4	93	0%	4%
5	92	0%	2%
6	96	2%	0%
7	97	1%	-1%
8	95	-2%	-1%
9	94	-4%	4%
10	88	-3%	8%
11	81	1%	11%
12	90	2%	7%
13	91	6%	5%
14	94	3%	0%
15	86	12%	-6%
16	95	2%	-3%



BEAM DETAILS



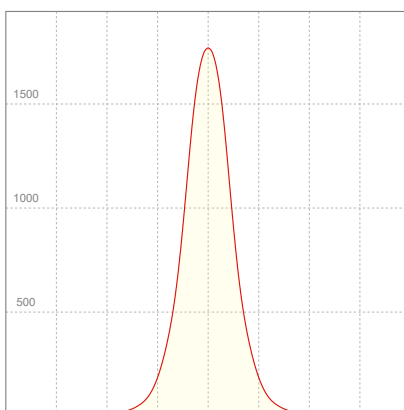
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,9°	91,2°	128,2°	94,9%	85,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1768lx	442lx	196lx	110lx	71lx	31lx	18lx	8lx	4lx	3lx	2lx	1lx	1lx
Footcand.	164fcd	41fcd	18fcd	10fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,4m	4,2m	6,4m	8,5m	12,7m	16,9m	21,2m	25,4m	33,9m	42,3m
Beam wid.	2,8ft	5,6ft	8,3ft	11,1ft	13,9ft	20,8ft	27,8ft	41,7ft	55,6ft	69,5ft	83,3ft	111,1ft	138,9ft

LINEAR DISTRIBUTION DIAGRAM

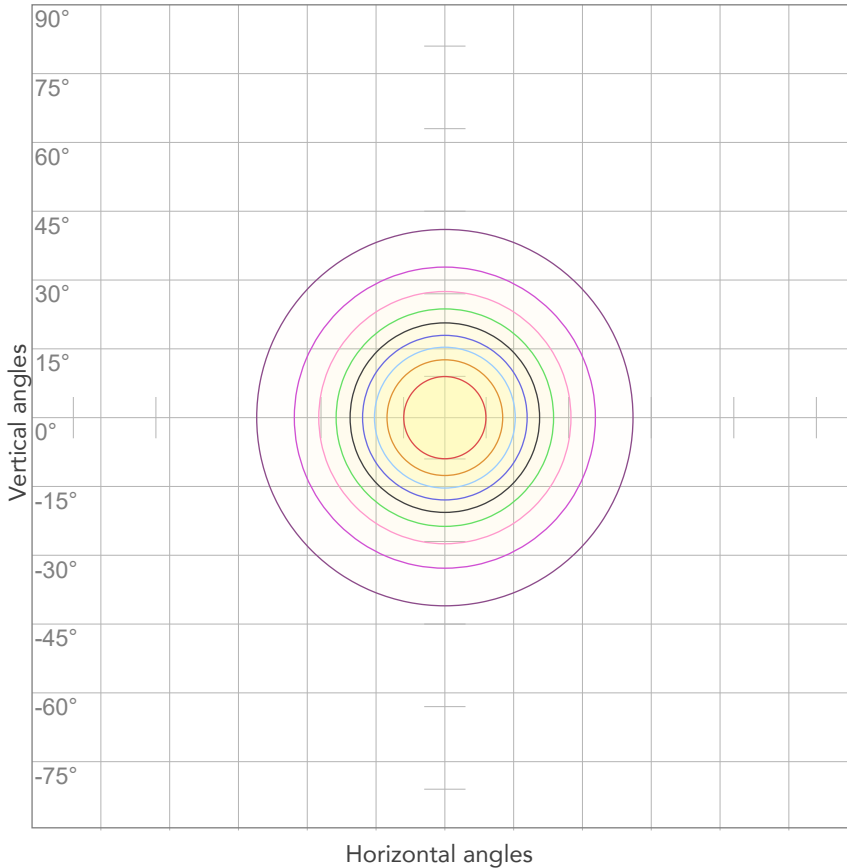


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,125A	25,9W	0,92	55lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



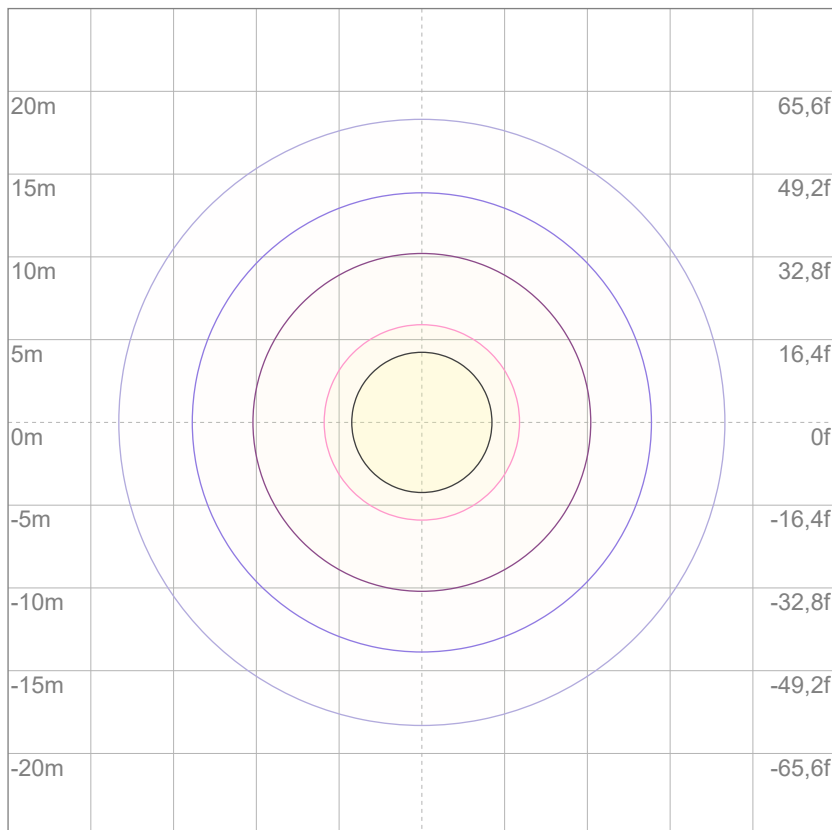
10%	177 cd
20%	354 cd
30%	530 cd
40%	707 cd
50%	884 cd
60%	1061 cd
70%	1238 cd
80%	1414 cd

Conditions:

Number of c-planes: 2

Candela at center: 1768 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,530 lx
5%	0,884 lx
10%	1,77 lx
30%	5,30 lx
50%	8,84 lx

Conditions:

Number of c-planes: 2

Lux at center: 17,7 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.



Total lumen output:

1465 lm

Peak candela output:

1330 cd

Light quality:

CRI: 92,4

Color temperature:

6646 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

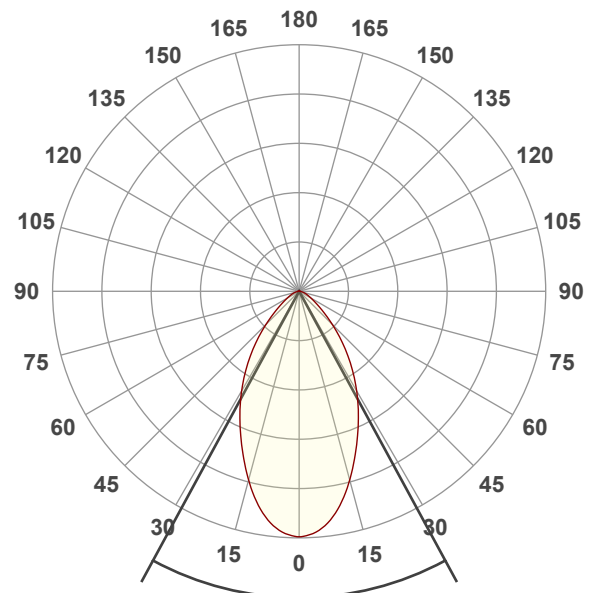
Cold White

Operator:

Salvatore Giglio

Date and time:

20/02/2024 09:16:47

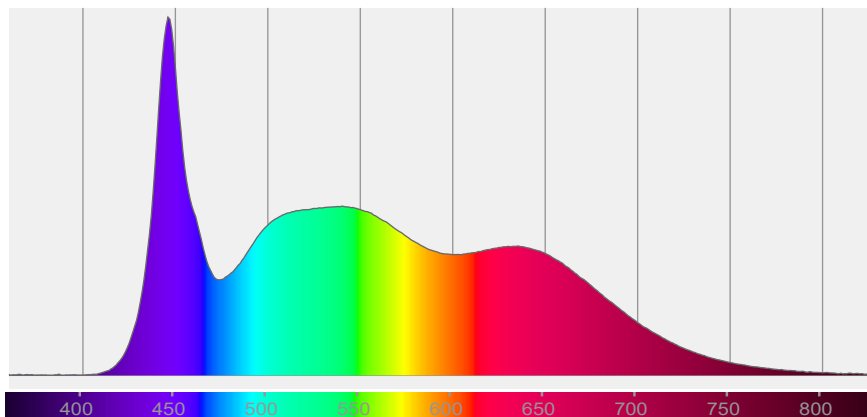


Beam angle 50%: 57°

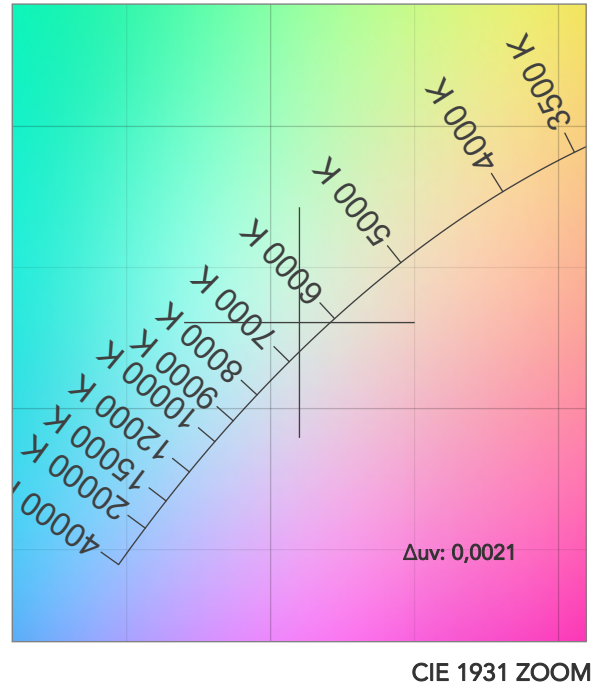
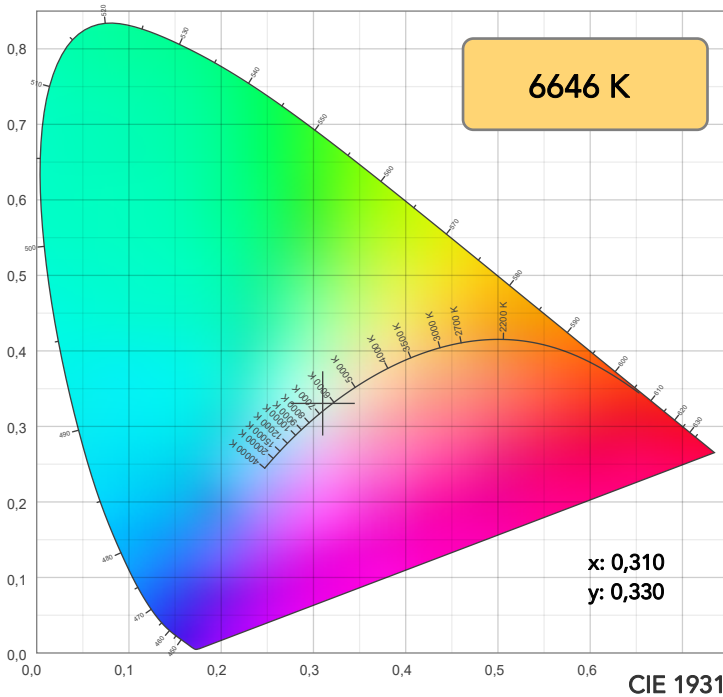
Field angle 10%: 105,7°

Cut off angle 2.5%: 143°

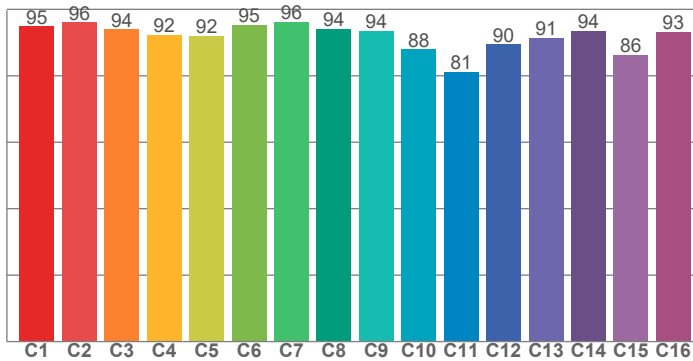
Spectra



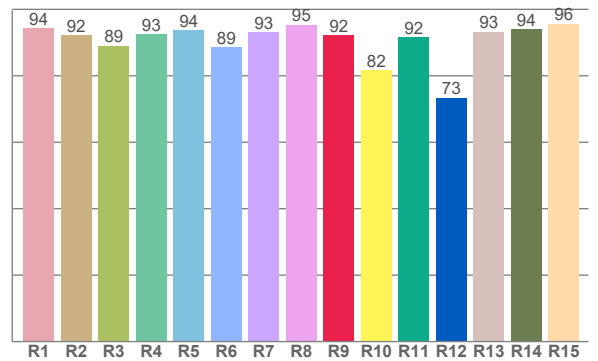
COLOR DETAILS



TM30: 91,9



CRI: 92,4 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,4	92,3	89,0	92,5	93,6	88,5	93,2	95,3	92,3	81,7	91,5	73,4	93,3	94,1	95,7

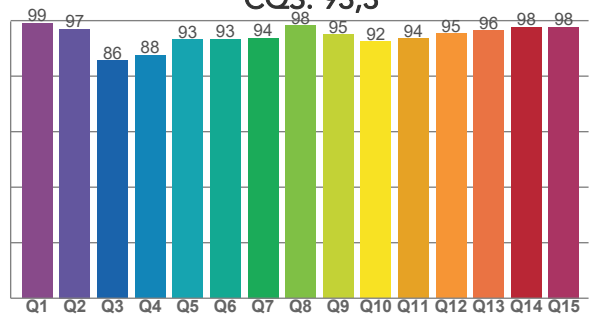
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,8	96,1	94,0	92,4	92,0	95,4	96,3	94,1	93,5	88,0	81,1	89,5	91,4	93,5	86,3	93,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,1	96,9	85,6	87,5	93,2	93,3	93,7	98,2	95,0	92,4	93,6	95,3	96,4	97,6	97,8

CQS: 93,3



COLOR PARAMETERS

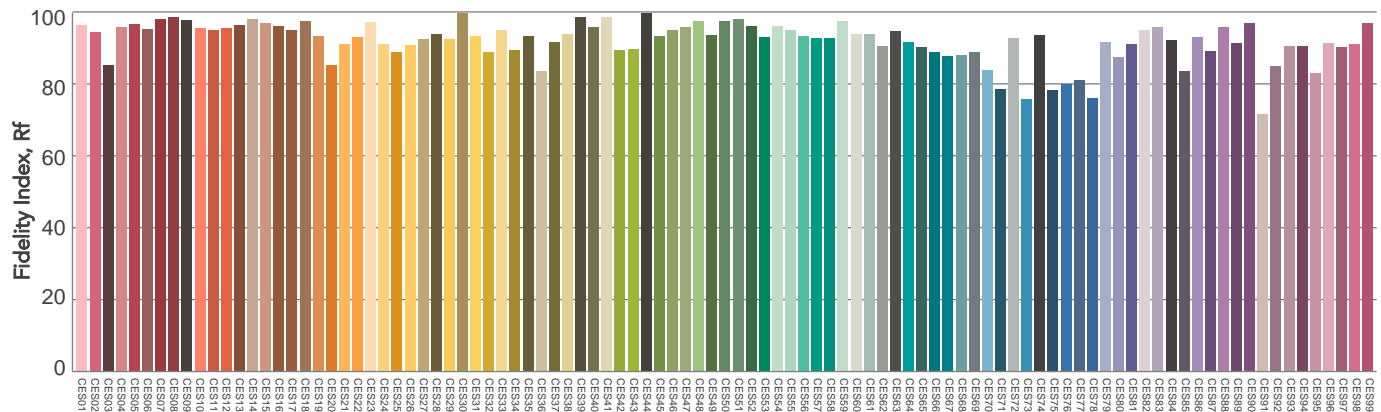
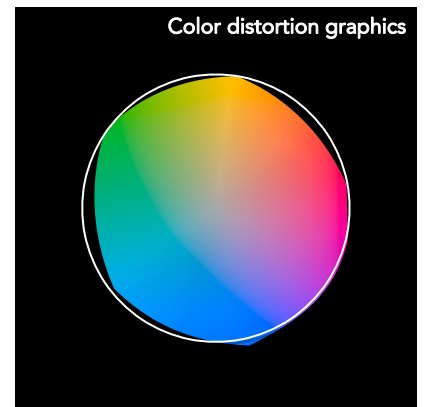
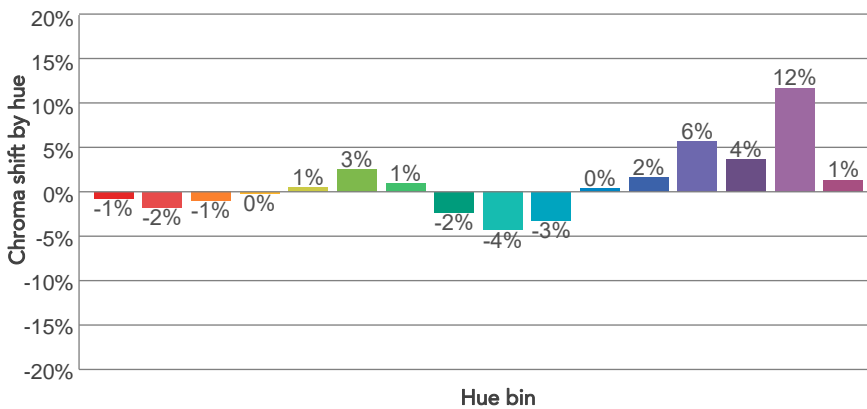
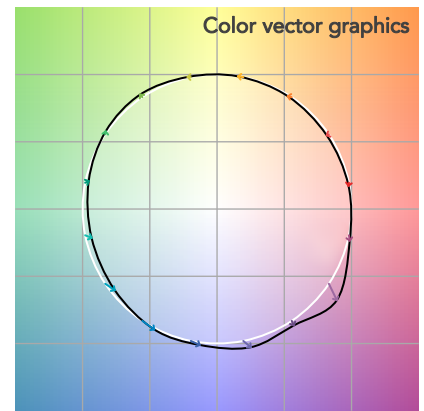
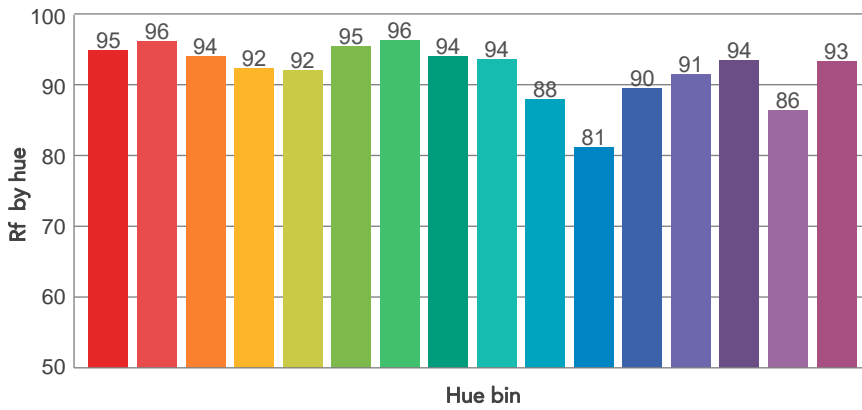
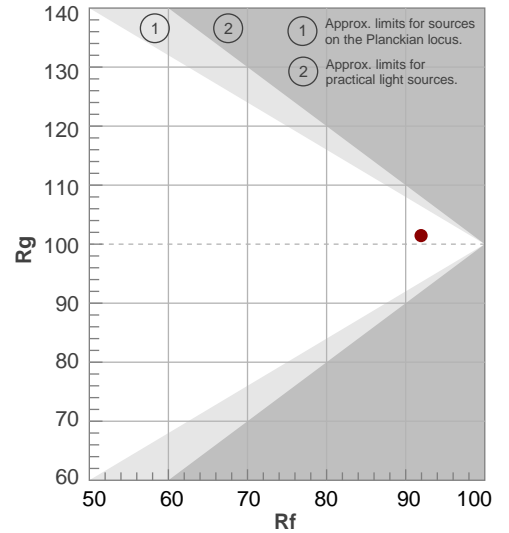
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6646 K	92,4	92,3	91,9	101,4	93,3	98	0,310	0,330	0,0021

TM30 DETAILS

Rf 91,9
Fidelity index Rf

Rg 101,4
Gammut index

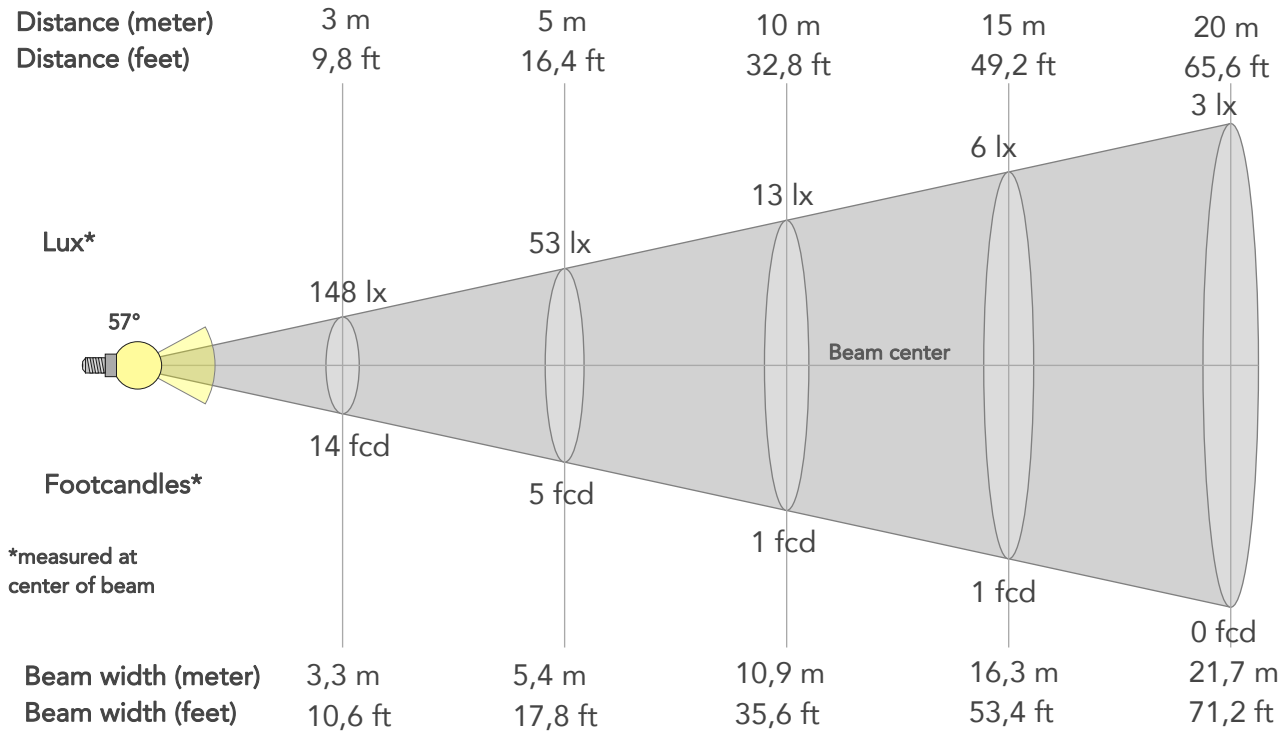
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-2%
2	96	-2%	0%
3	94	-1%	3%
4	92	0%	4%
5	92	1%	2%
6	95	3%	0%
7	96	1%	-2%
8	94	-2%	-2%
9	94	-4%	3%
10	88	-3%	8%
11	81	0%	11%
12	90	2%	7%
13	91	6%	5%
14	94	4%	-1%
15	86	12%	-7%
16	93	1%	-4%



BEAM DETAILS



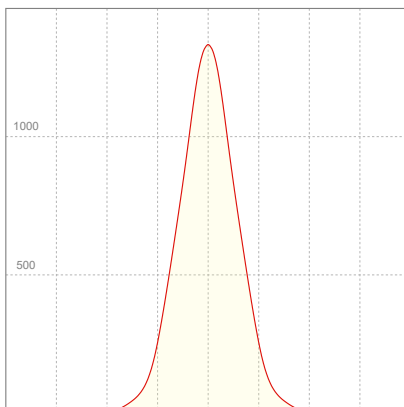
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57°	105,7°	143°	93,6%	80,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1330lx	333lx	148lx	83lx	53lx	24lx	13lx	6lx	3lx	2lx	1lx	1lx	1lx
Footcand.	124fcd	31fcd	14fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,3m	5,4m	8,1m	10,9m	16,3m	21,7m	27,1m	32,6m	43,4m	54,3m
Beam wid.	3,6ft	7,2ft	10,6ft	14,2ft	17,8ft	26,7ft	35,6ft	53,4ft	71,2ft	89ft	106,8ft	142,4ft	178ft

LINEAR DISTRIBUTION DIAGRAM

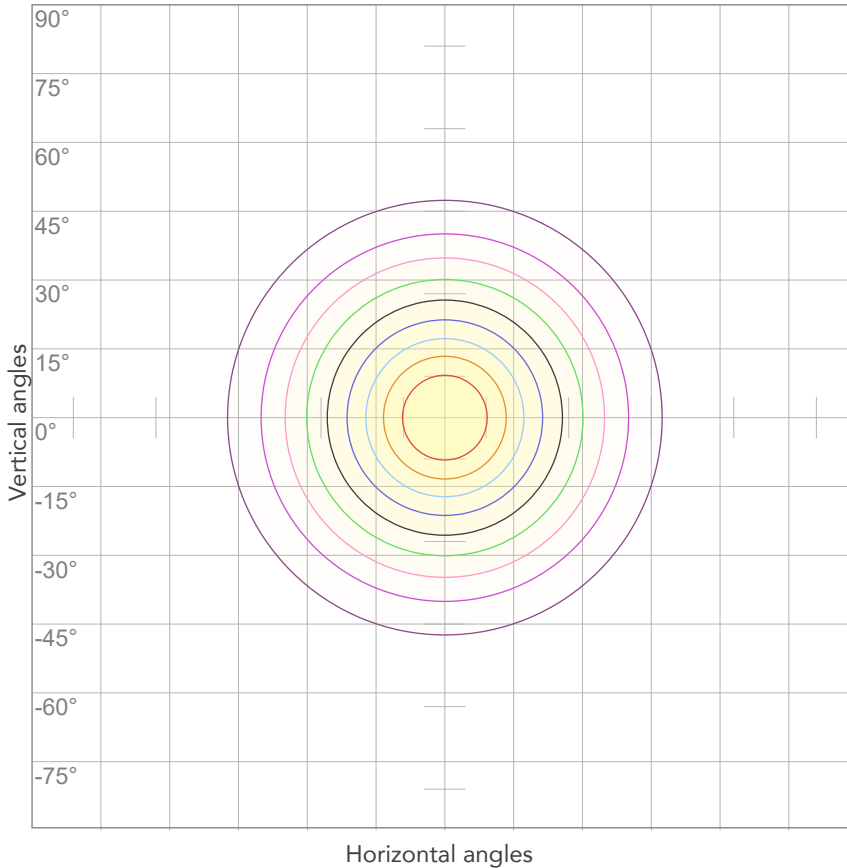


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
223V	0,128A	26,5W	0,93	55lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



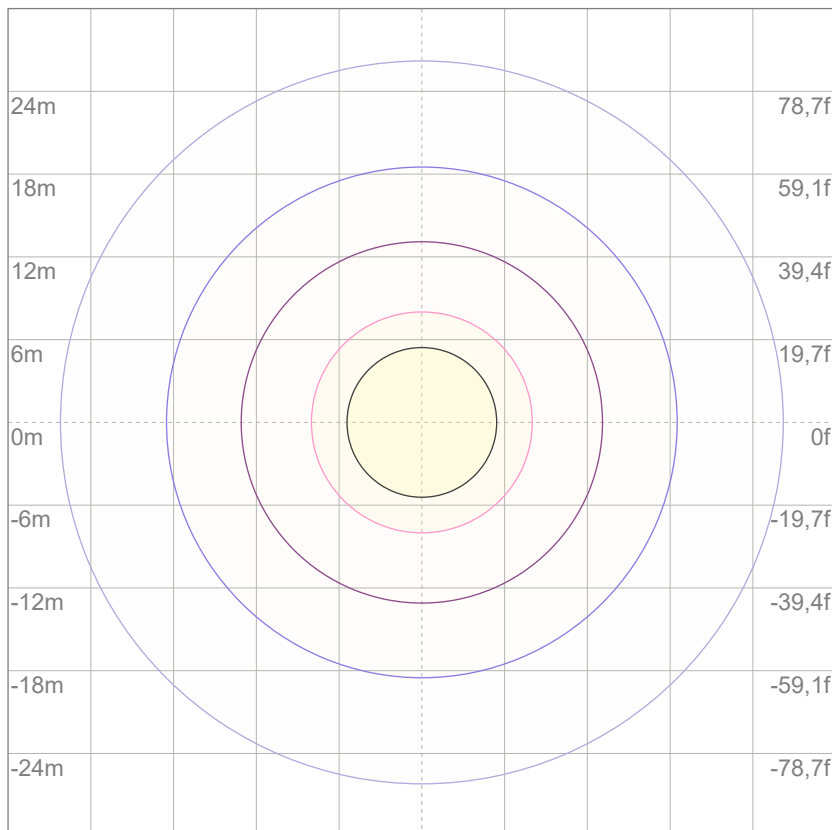
10%	133 cd
20%	266 cd
30%	399 cd
40%	532 cd
50%	665 cd
60%	798 cd
70%	931 cd
80%	1064 cd

Conditions:

Number of c-planes: 2

Candela at center: 1330 cd

ISO LUX DIAGRAM



3%	0,399 lx
5%	0,665 lx
10%	1,33 lx
30%	3,99 lx
50%	6,65 lx

Conditions:

Number of c-planes: 2

Lux at center: 13,3 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.



Total lumen output:

2207 lm

Peak candela output:

4504 cd

Light quality:

CRI: 93,4

Color temperature:

6589 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

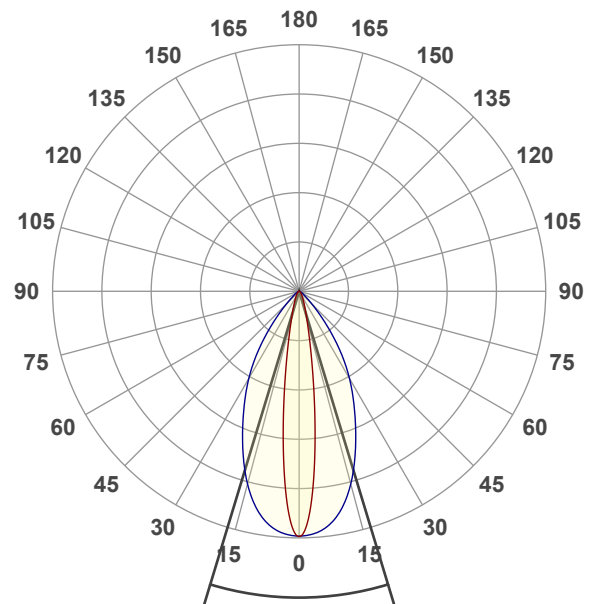
Cold White

Operator:

Salvatore Giglio

Date and time:

20/02/2024 11:21:39

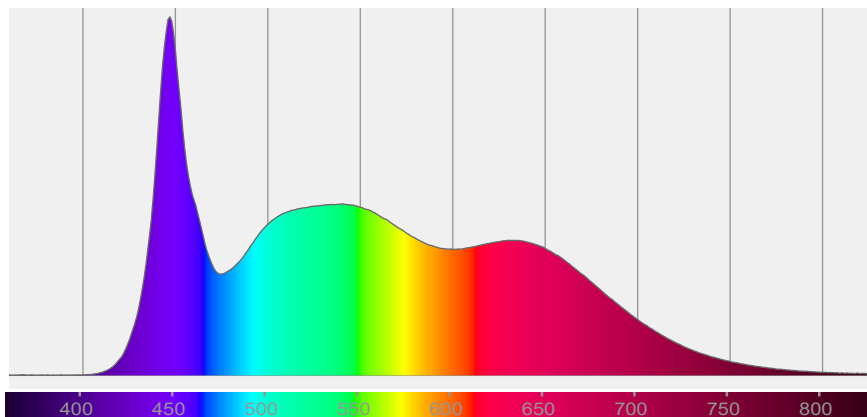


Beam angle 50%: 33,7°

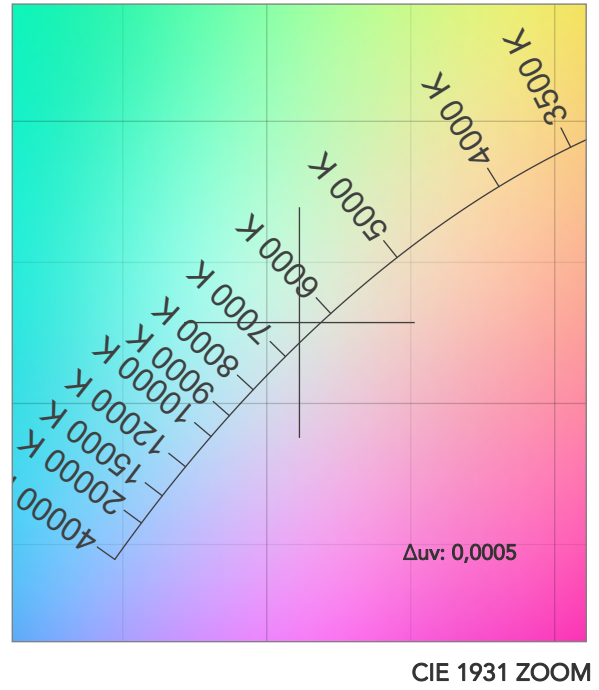
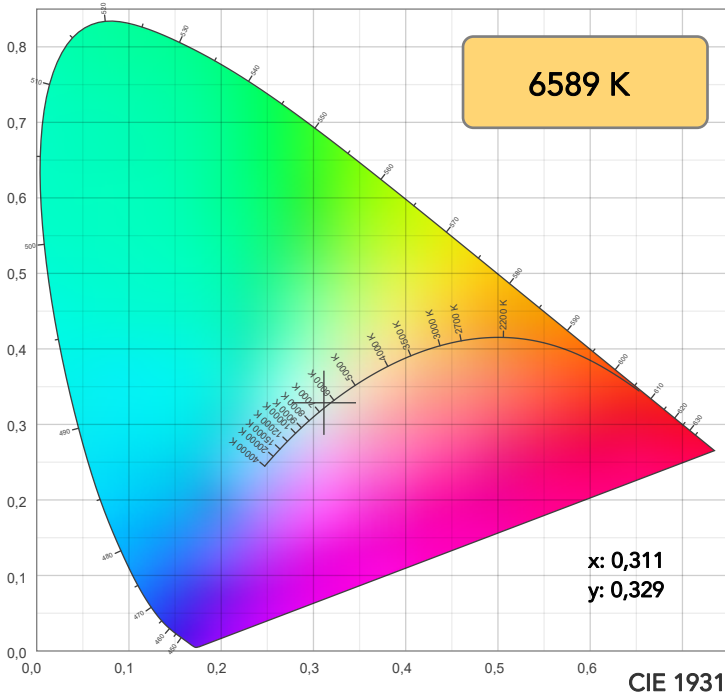
Field angle 10%: 59,8°

Cut off angle 2.5%: 84°

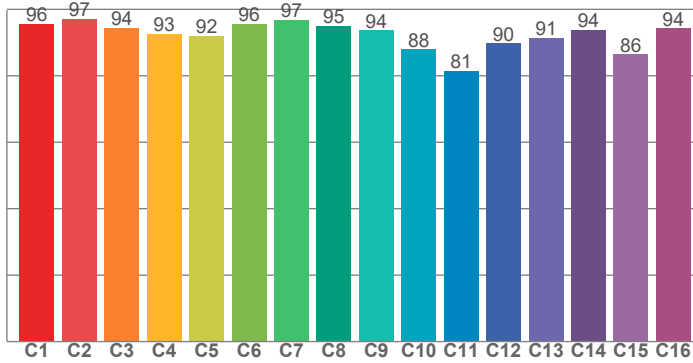
Spectra



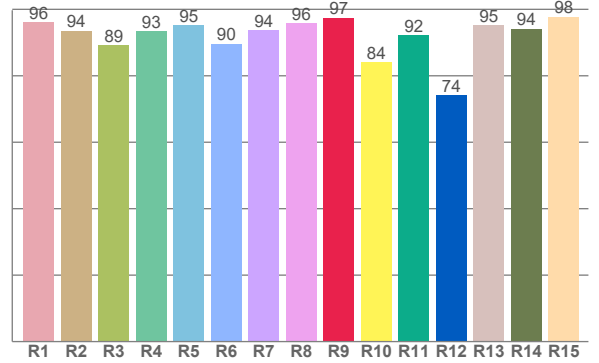
COLOR DETAILS



TM30: 92,3



CRI: 93,4 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,2	93,5	89,3	93,4	95,2	89,7	93,8	95,8	97,4	84,0	92,3	74,2	95,2	94,1	97,7

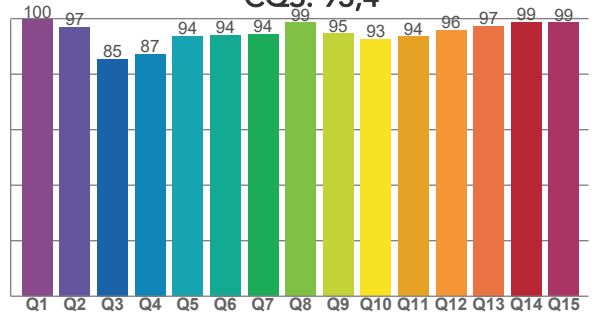
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,6	97,2	94,4	92,6	92,0	95,6	96,8	95,0	93,7	87,9	81,5	89,7	91,4	93,8	86,5	94,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,6	97,0	85,5	87,3	93,6	94,1	94,3	98,6	94,6	92,5	93,6	95,8	97,4	98,8	98,6

CQS: 93,4



COLOR PARAMETERS

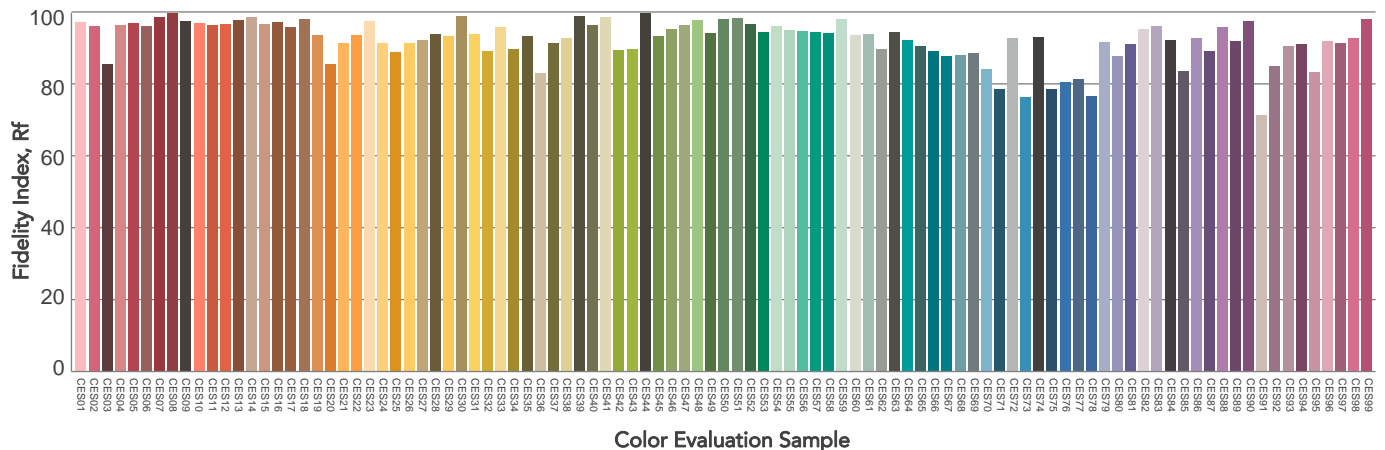
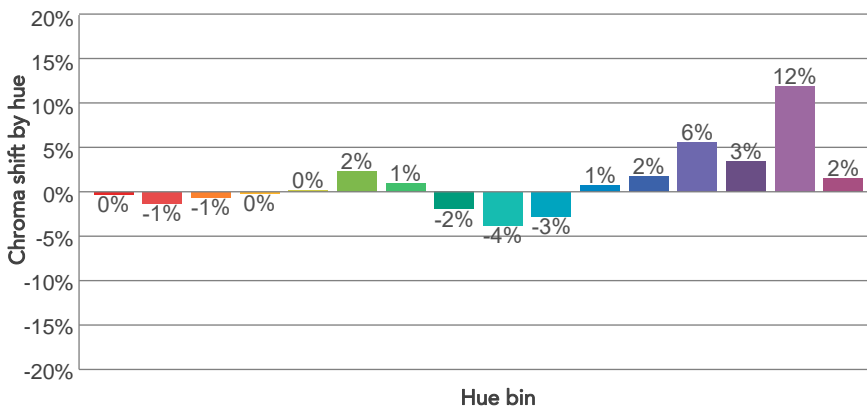
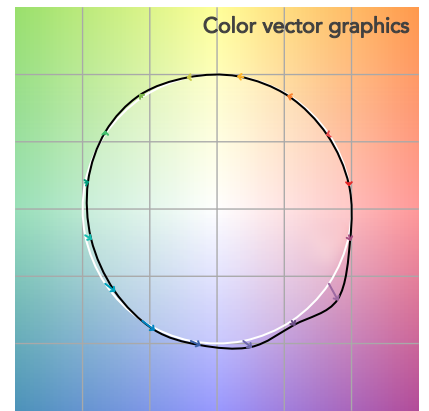
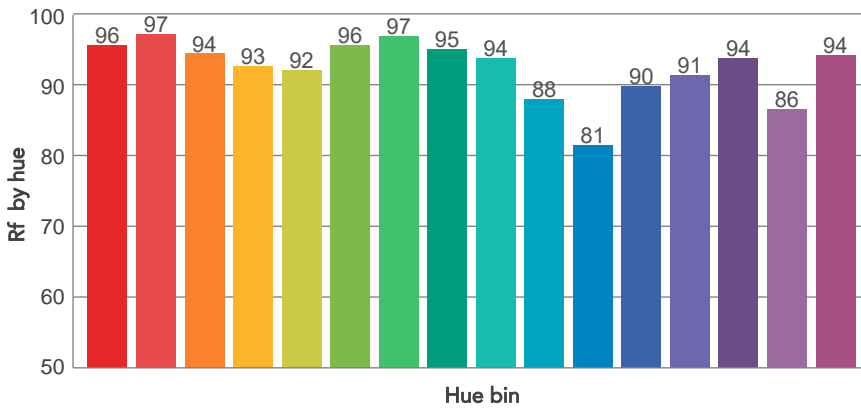
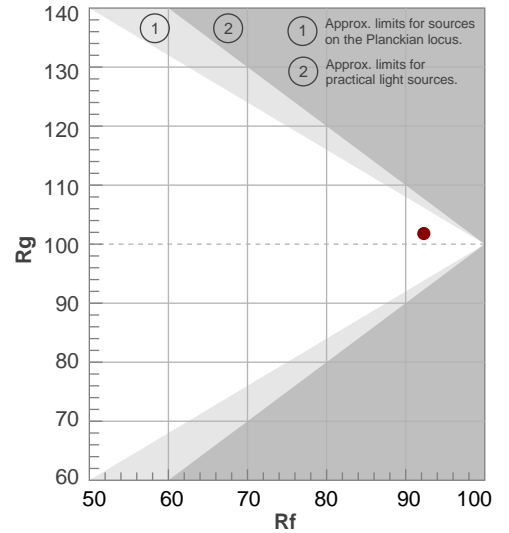
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6589 K	93,4	97,4	92,3	101,8	93,4	98	0,311	0,329	0,0005

TM30 DETAILS

Rf 92,3
Fidelity index Rf

Rg 101,8
Gammut index

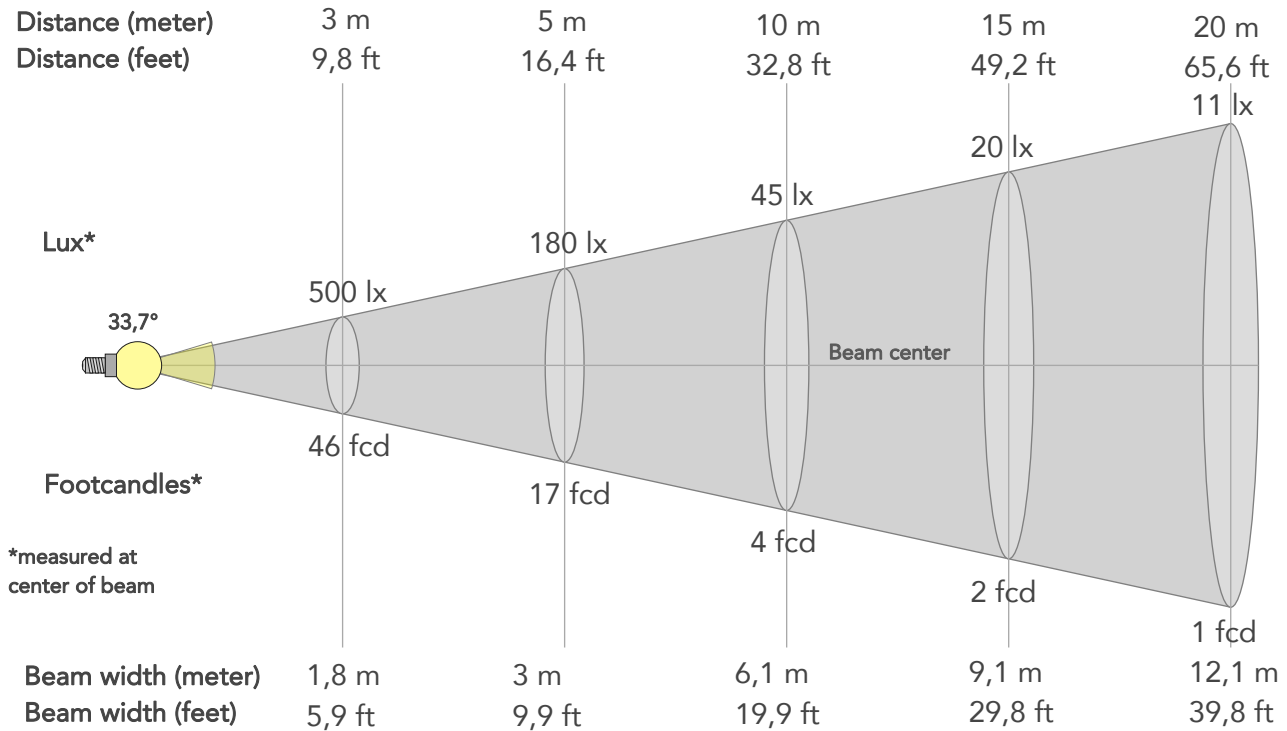
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-2%
2	97	-1%	0%
3	94	-1%	3%
4	93	0%	4%
5	92	0%	2%
6	96	2%	0%
7	97	1%	-2%
8	95	-2%	-1%
9	94	-4%	3%
10	88	-3%	8%
11	81	1%	11%
12	90	2%	7%
13	91	6%	5%
14	94	3%	0%
15	86	12%	-6%
16	94	2%	-3%



BEAM DETAILS



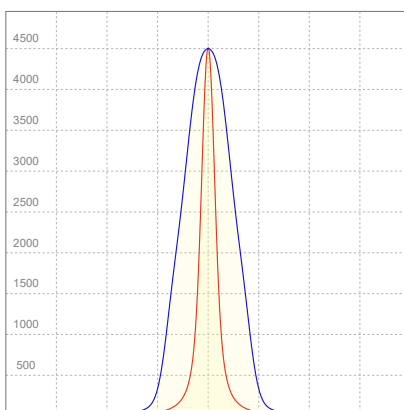
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,7°	59,8°	84°	97,4%	92,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	4501lx	1125lx	500lx	281lx	180lx	80lx	45lx	20lx	11lx	7lx	5lx	3lx	2lx
Footcand.	418fcd	105fcd	46fcd	26fcd	17fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6,1m	9,1m	12,1m	15,2m	18,2m	24,3m	30,3m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,9ft	19,9ft	29,8ft	39,8ft	49,7ft	59,7ft	79,6ft	99,5ft

LINEAR DISTRIBUTION DIAGRAM

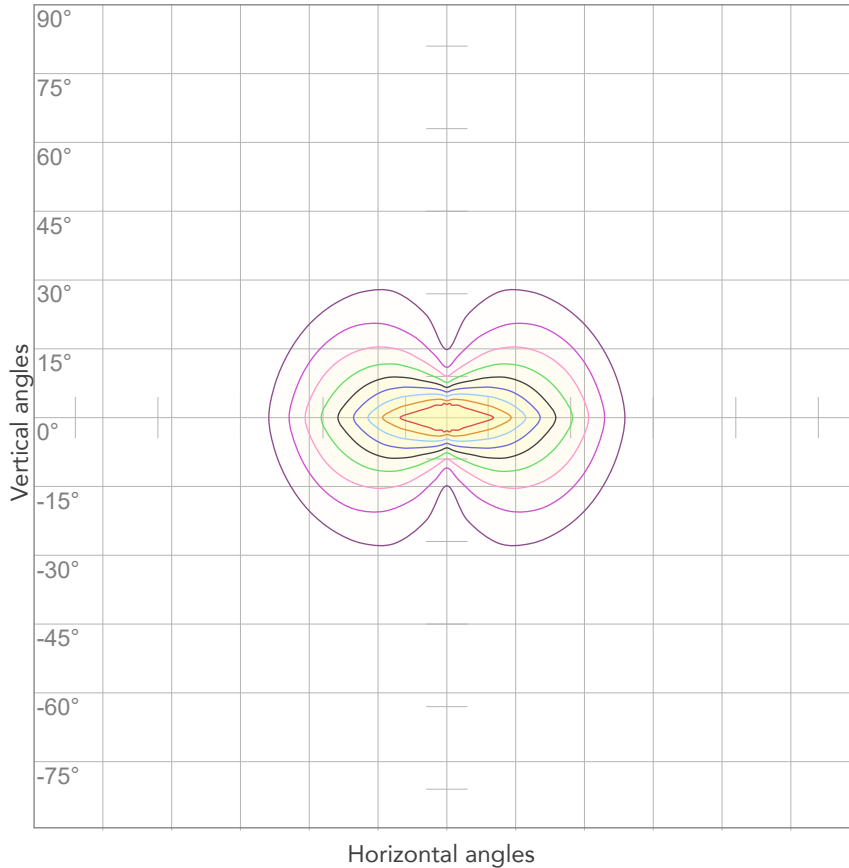


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,124A	26,0W	0,93	85lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



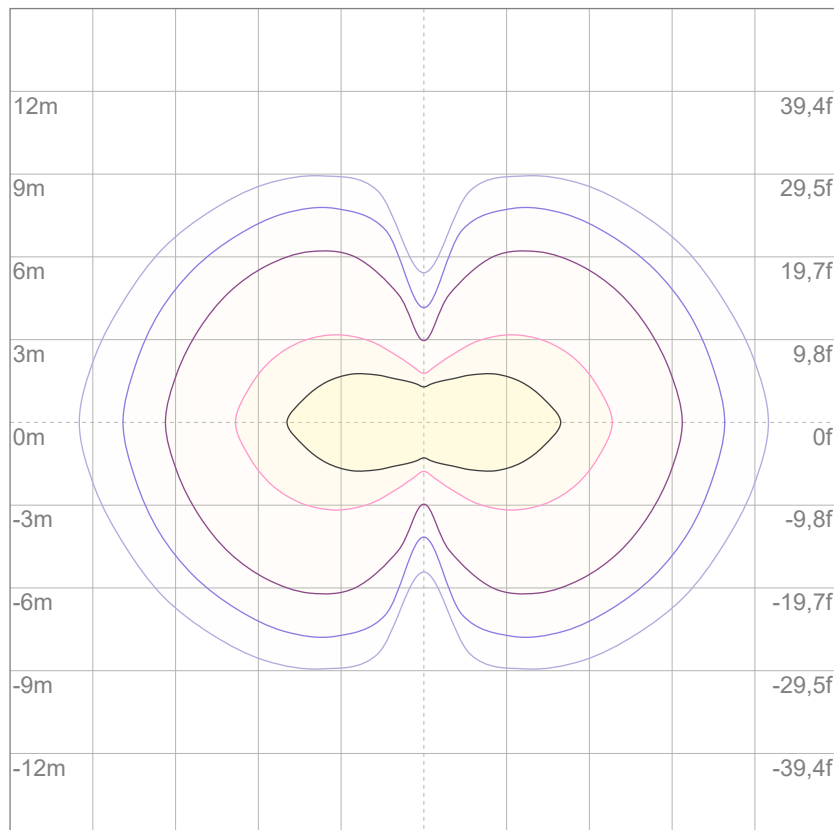
10%	450 cd
20%	900 cd
30%	1350 cd
40%	1800 cd
50%	2250 cd
60%	2701 cd
70%	3151 cd
80%	3601 cd

Conditions:

Number of c-planes: 4

Candela at center: 4501 cd

ISO LUX DIAGRAM



3%	1,35 lx
5%	2,25 lx
10%	4,50 lx
30%	13,5 lx
50%	22,5 lx

Conditions:

Number of c-planes: 4

Lux at center: 45,0 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1386 lm

Peak candela output:

2280 cd

Light quality:

CRI: 92,9

Color temperature:

6667 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

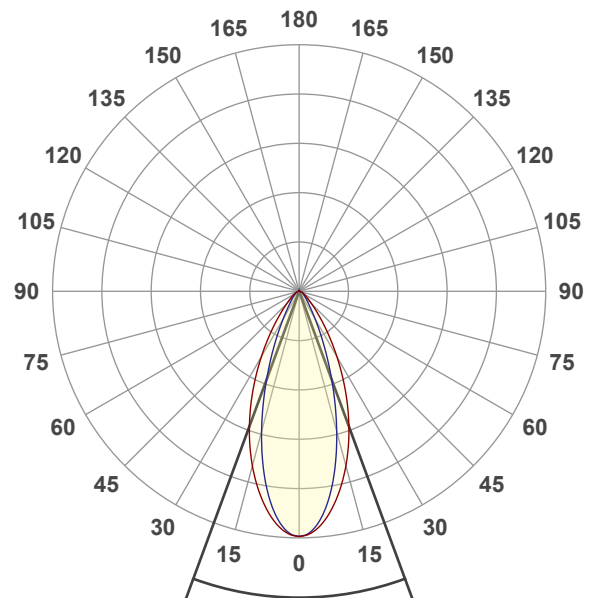
Cold White

Operator:

Salvatore Giglio

Date and time:

20/02/2024 11:38:19

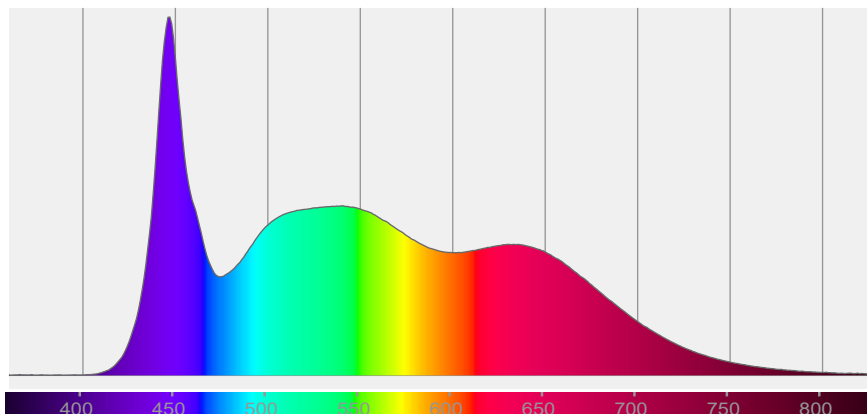


Beam angle 50%: 40,4°

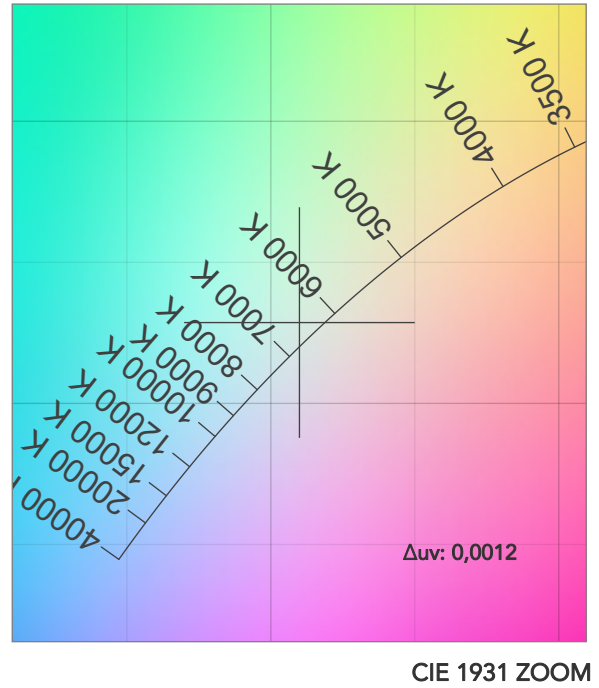
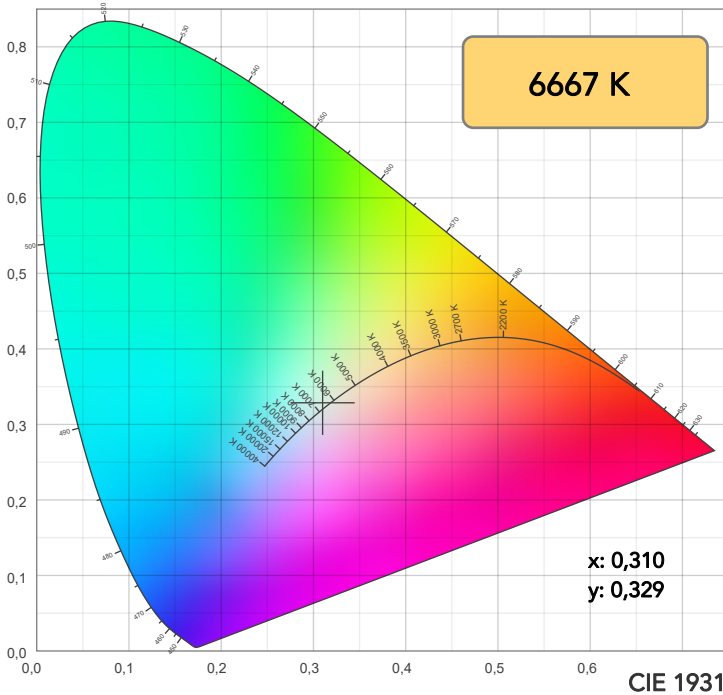
Field angle 10%: 74,1°

Cut off angle 2.5%: 111,7°

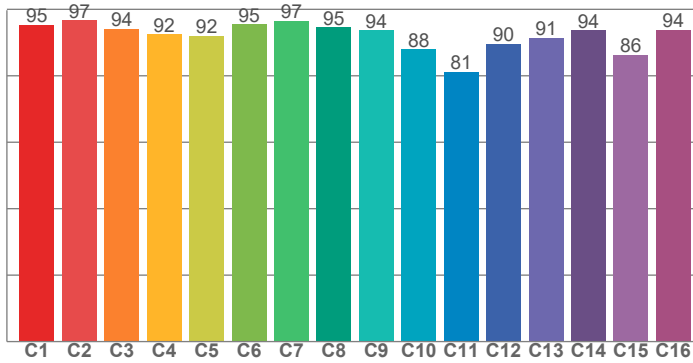
Spectra



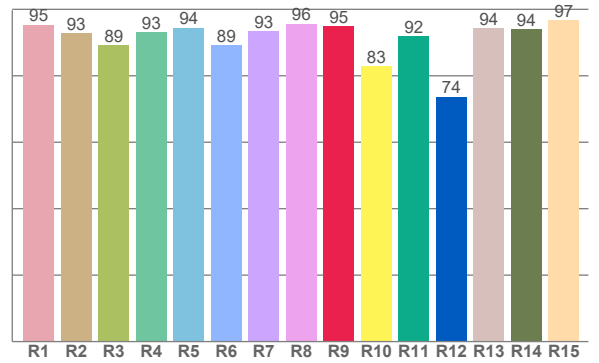
COLOR DETAILS



TM30: 92,1



CRI: 92,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,3	92,9	89,1	93,0	94,5	89,1	93,5	95,6	95,0	82,9	91,9	73,7	94,3	94,1	96,8

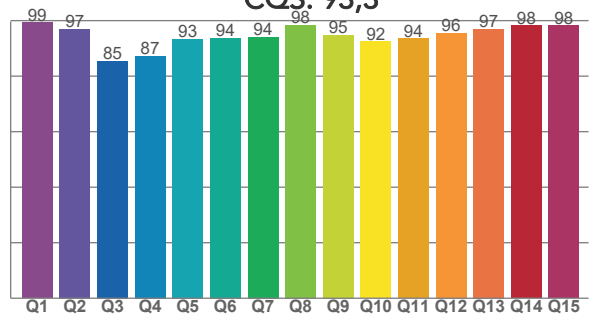
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,2	96,7	94,2	92,5	92,0	95,5	96,6	94,6	93,6	87,9	81,2	89,6	91,4	93,7	86,4	93,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,4	96,9	85,5	87,3	93,4	93,7	94,0	98,4	94,8	92,4	93,5	95,5	96,9	98,2	98,2

CQS: 93,3



COLOR PARAMETERS

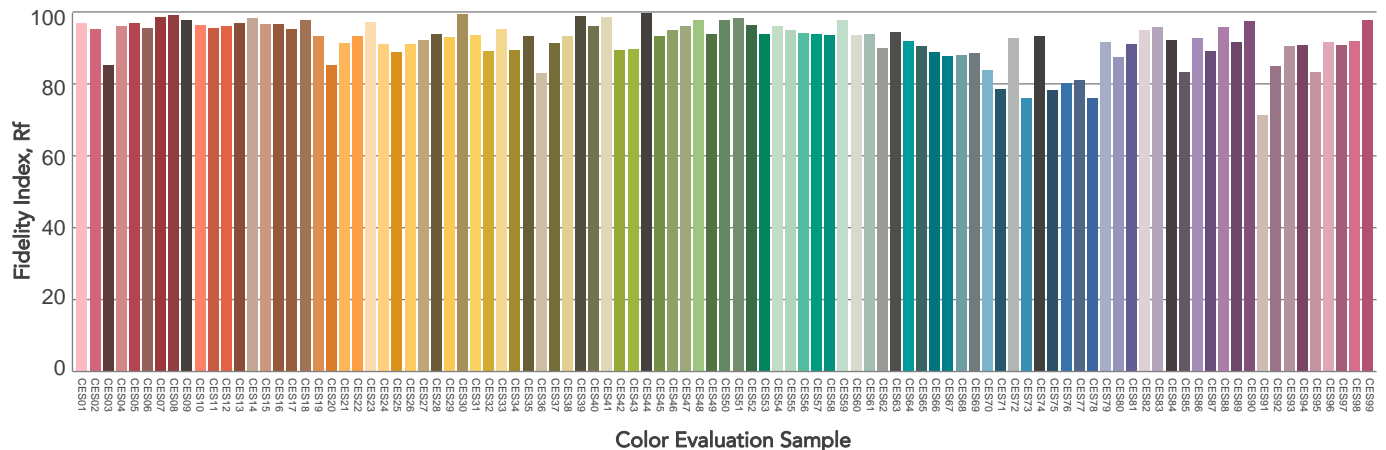
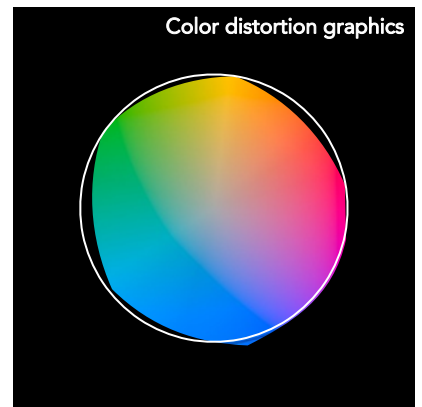
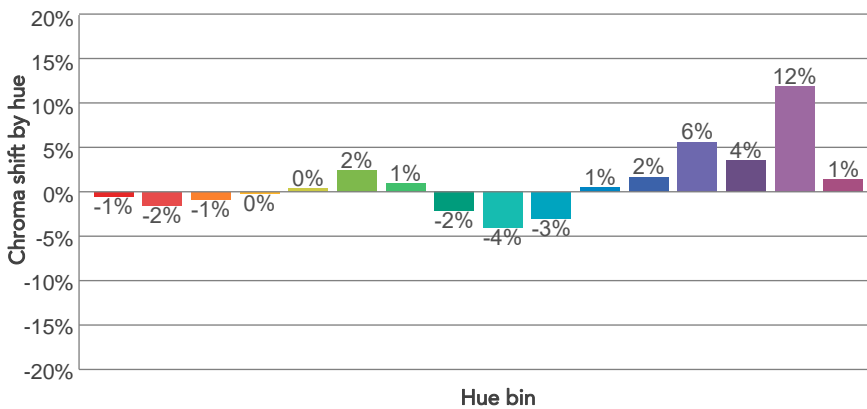
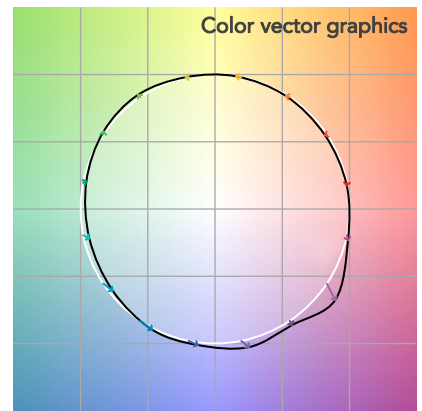
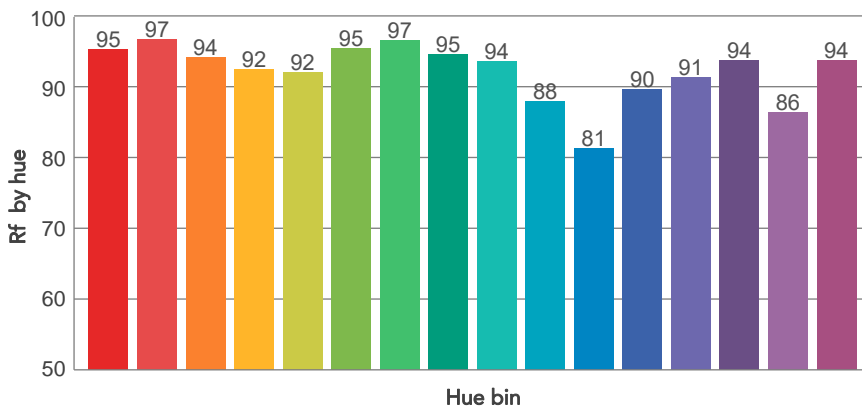
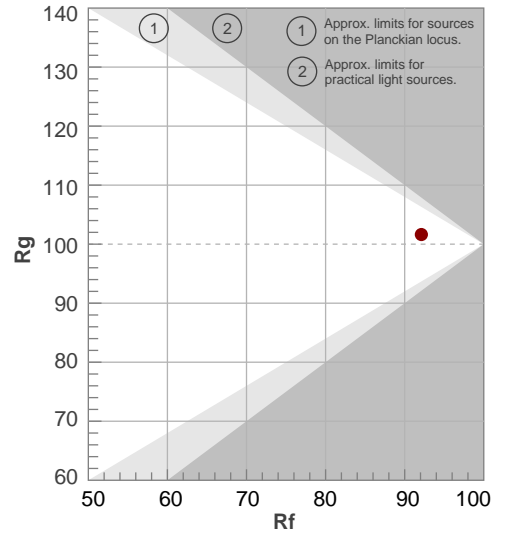
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6667 K	92,9	95,0	92,1	101,6	93,3	98	0,310	0,329	0,0012

TM30 DETAILS

Rf 92,1
Fidelity index Rf

Rg 101,6
Gammut index

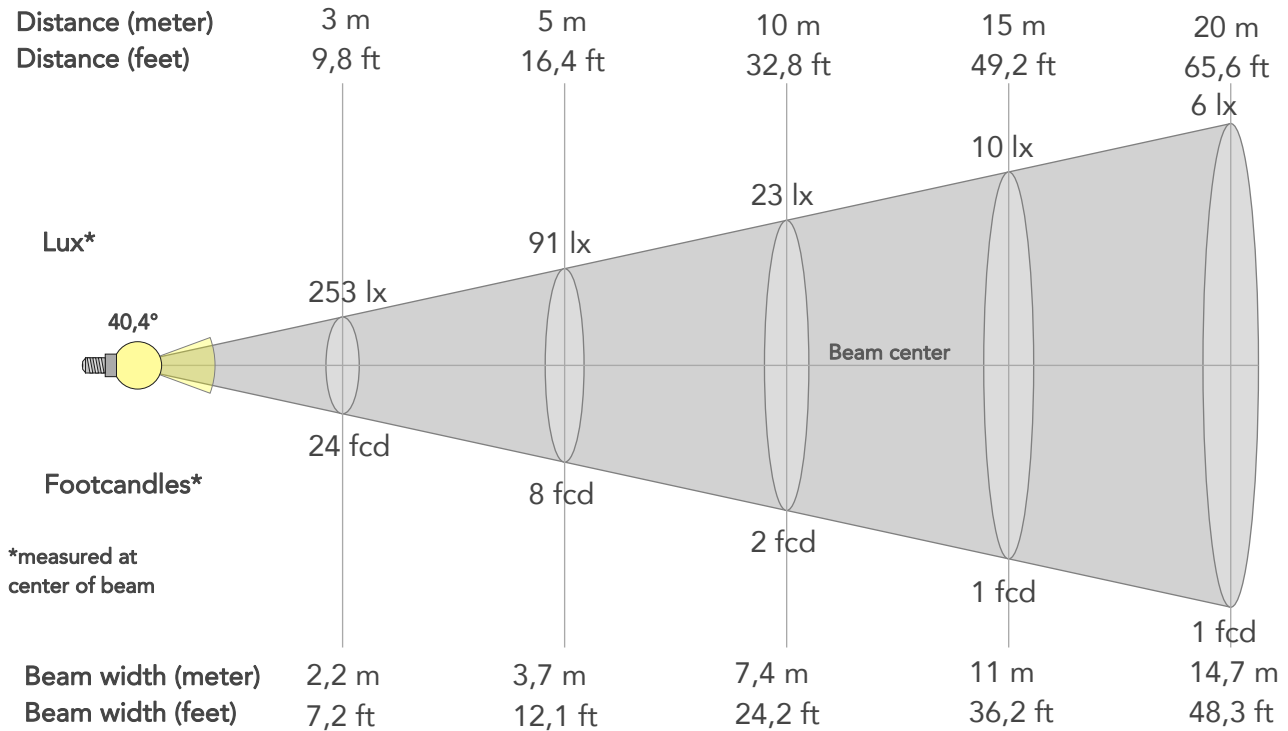
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-2%
2	97	-2%	0%
3	94	-1%	3%
4	92	0%	4%
5	92	0%	2%
6	95	2%	0%
7	97	1%	-2%
8	95	-2%	-1%
9	94	-4%	3%
10	88	-3%	8%
11	81	1%	11%
12	90	2%	7%
13	91	6%	5%
14	94	4%	0%
15	86	12%	-7%
16	94	1%	-3%



BEAM DETAILS



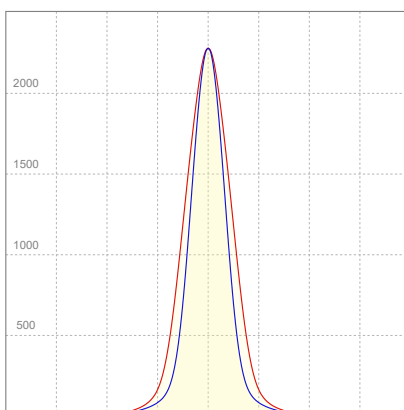
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40,4°	74,1°	111,7°	95,6%	88,5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2278lx	570lx	253lx	142lx	91lx	41lx	23lx	10lx	6lx	4lx	3lx	1lx	1lx
Footcand.	212fcd	53fcd	24fcd	13fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	2,9m	3,7m	5,5m	7,4m	11m	14,7m	18,4m	22,1m	29,5m	36,8m
Beam wid.	2,4ft	4,9ft	7,2ft	9,6ft	12,1ft	18,1ft	24,2ft	36,2ft	48,3ft	60,4ft	72,5ft	96,6ft	120,8ft

LINEAR DISTRIBUTION DIAGRAM

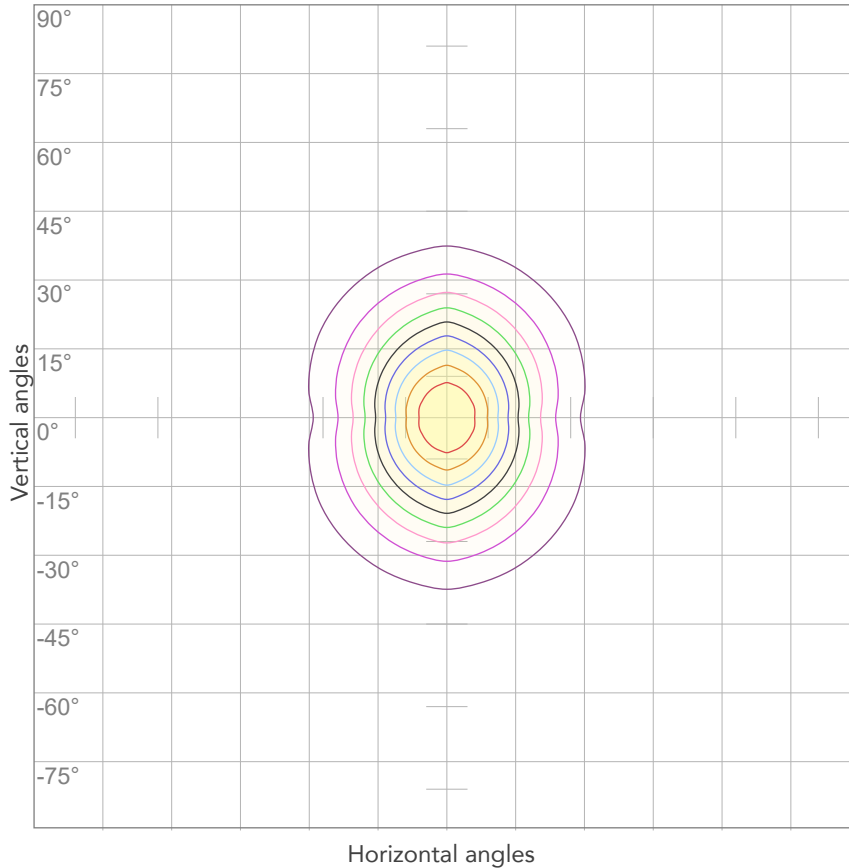


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,125A	26,2W	0,93	53lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



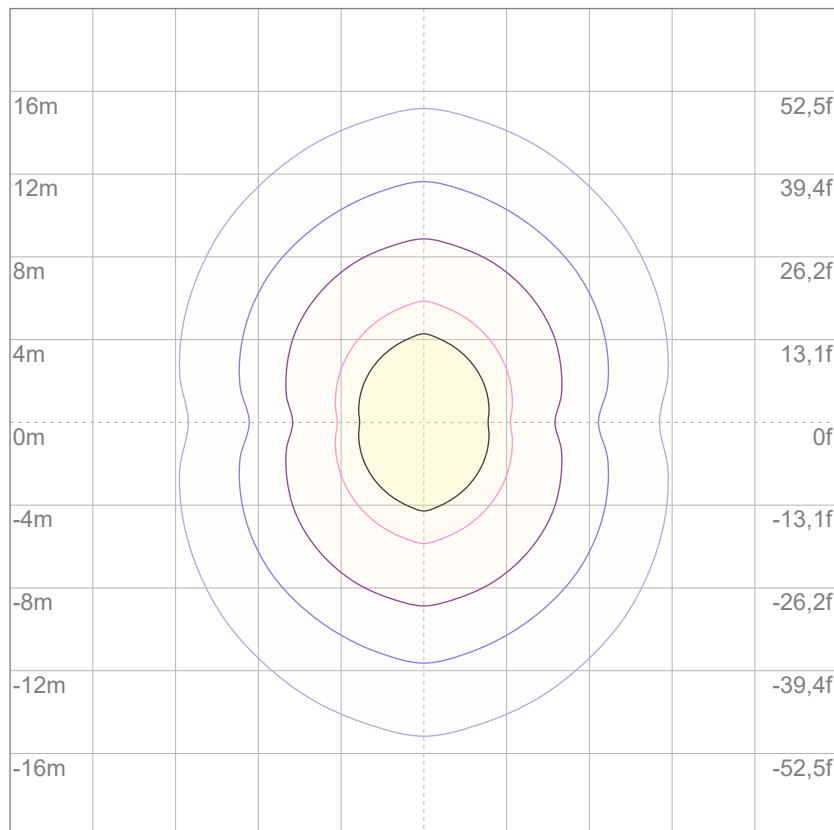
10%	228 cd
20%	456 cd
30%	684 cd
40%	911 cd
50%	1139 cd
60%	1367 cd
70%	1595 cd
80%	1823 cd

Conditions:

Number of c-planes: 4

Candela at center: 2278 cd

ISO LUX DIAGRAM



3%	0,684 lx
5%	1,14 lx
10%	2,28 lx
30%	6,84 lx
50%	11,4 lx

Conditions:

Number of c-planes: 4

Lux at center: 22,8 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1247 lm

Peak candela output:

24427 cd

Light quality:

CRI: 95,8

Color temperature:

2731 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

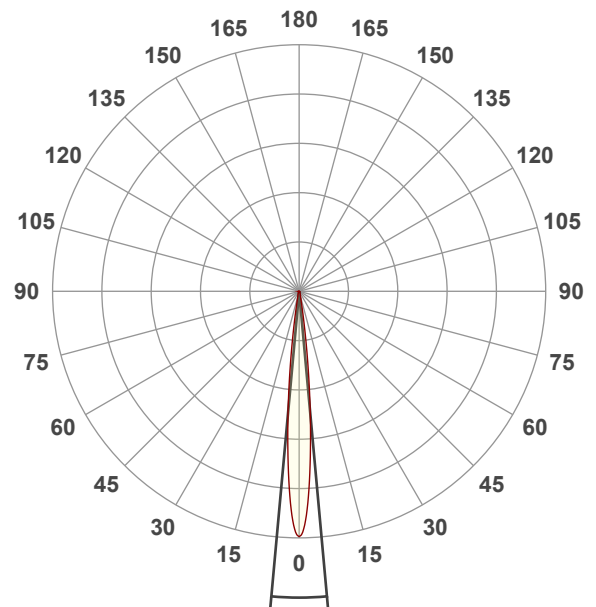
2700K

Operator:

Salvatore Giglio

Date and time:

19/02/2024 16:17:45

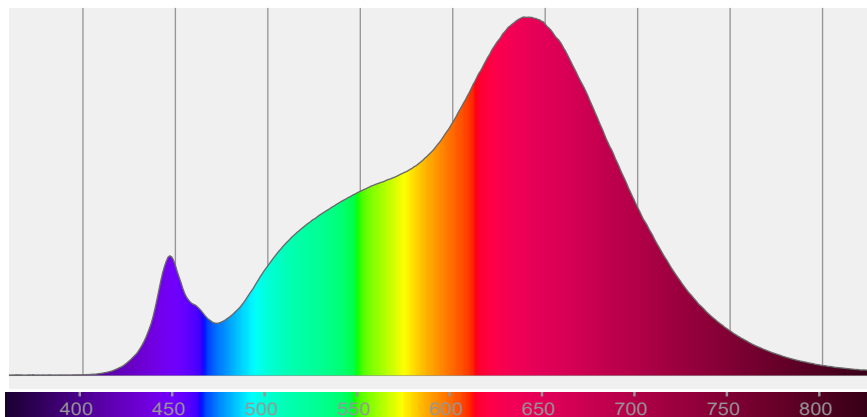


Beam angle 50%: 10,4°

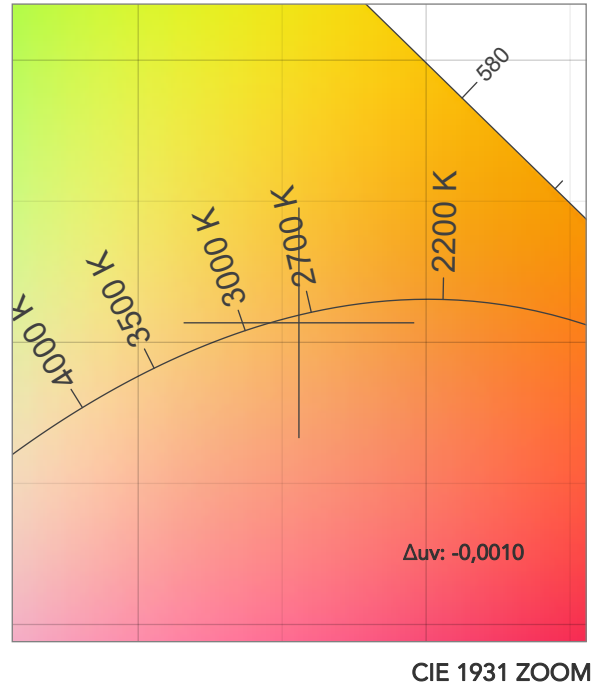
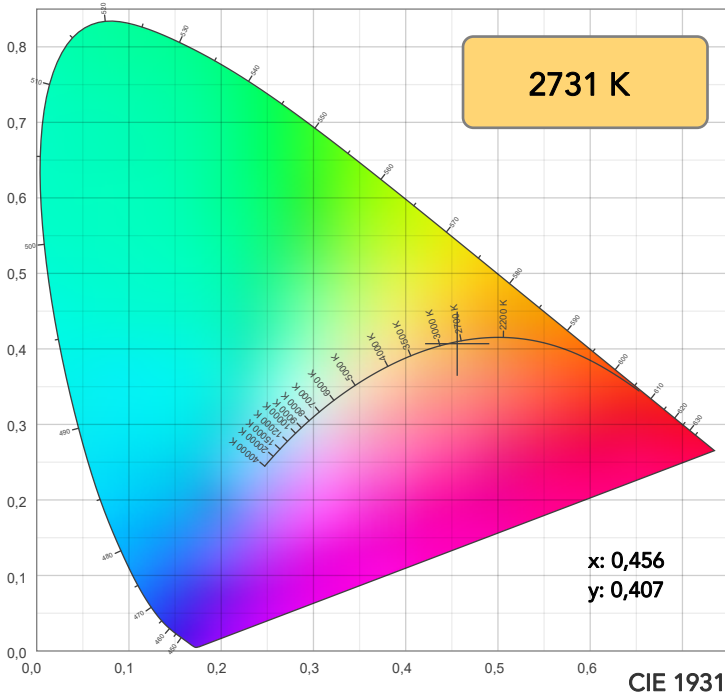
Field angle 10%: 18,7°

Cut off angle 2.5%: 27,6°

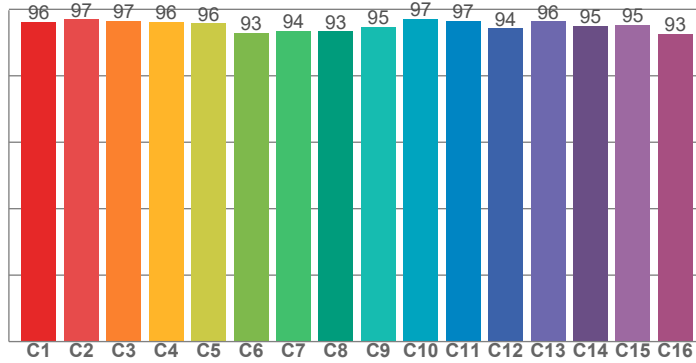
Spectra



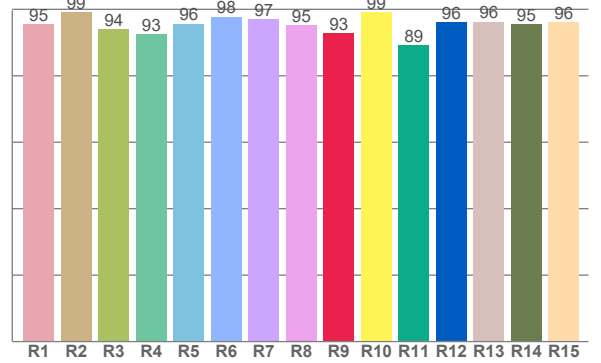
COLOR DETAILS



TM30: 95,5



CRI: 95,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,5	99,2	93,9	92,5	95,7	97,7	96,9	95,2	92,9	99,1	89,2	96,0	96,2	95,5	96,1

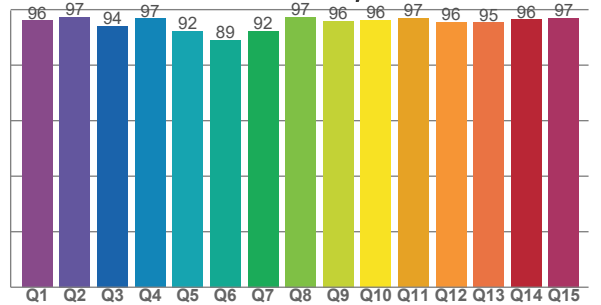
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,2	97,0	96,5	96,2	95,7	92,9	93,5	93,4	94,7	97,1	96,6	94,3	96,4	95,0	95,4	92,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,1	97,3	94,1	96,7	92,3	89,1	92,3	97,3	96,0	96,3	96,9	95,5	95,3	96,4	96,9

CQS: 94,4



COLOR PARAMETERS

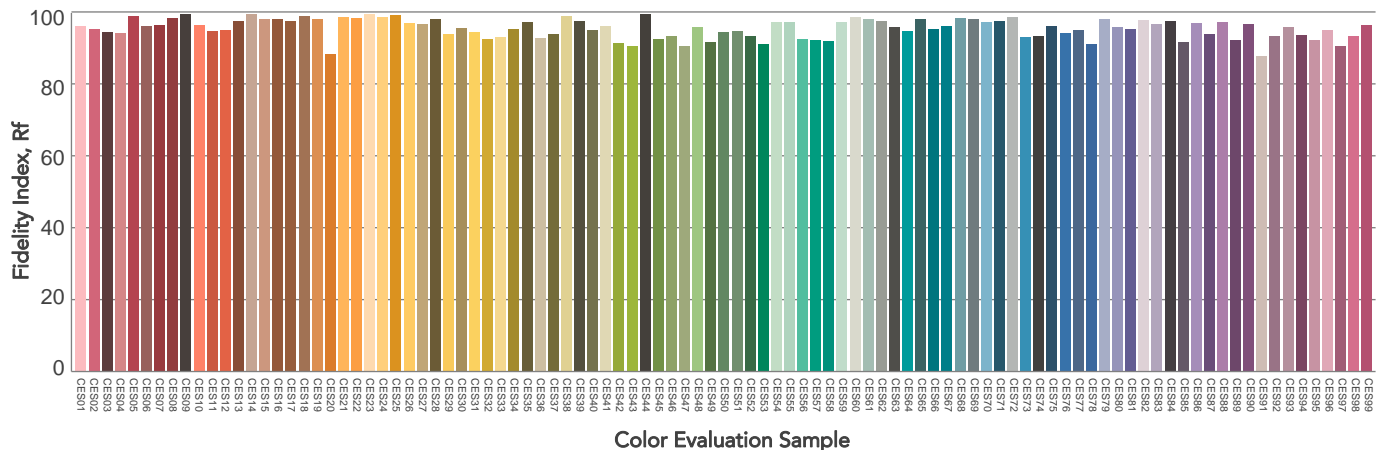
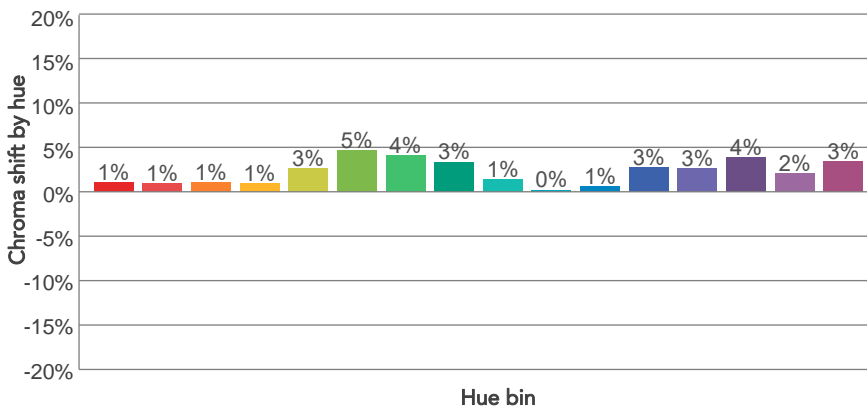
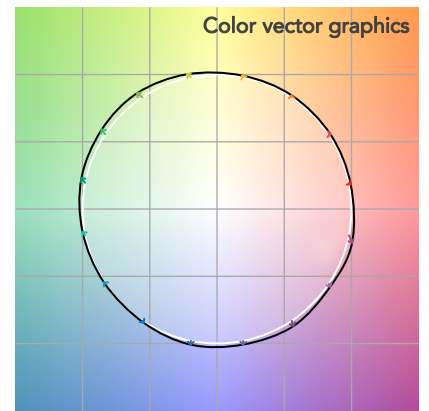
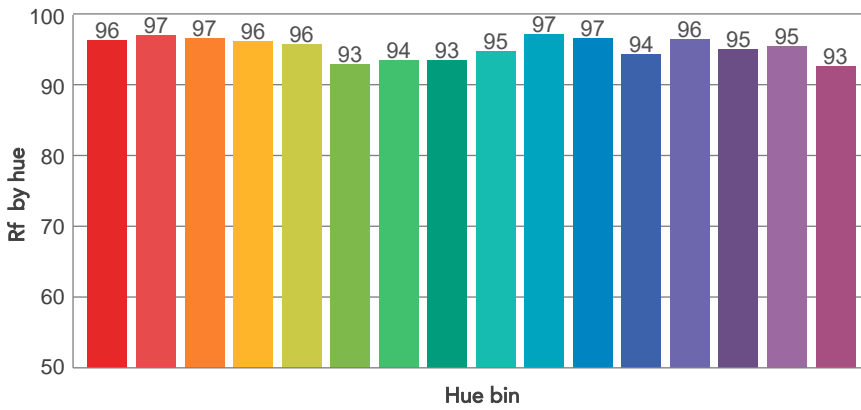
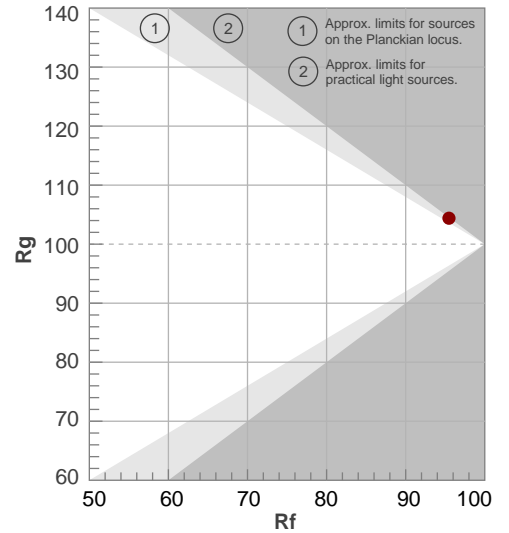
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2731 K	95,8	92,9	95,5	104,4	94,4	97	0,456	0,407	-0,0010

TM30 DETAILS

Rf 95,5
Fidelity index Rf

Rg 104,4
Gammut index

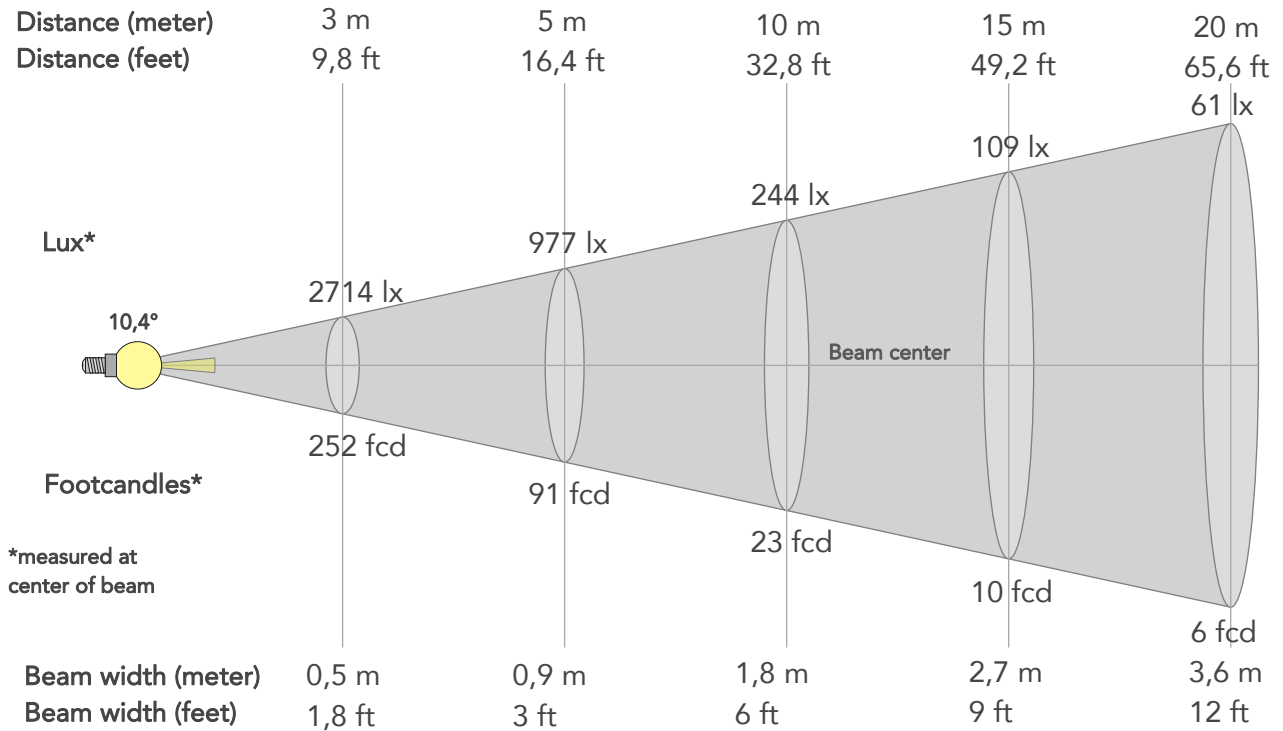
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-1%
2	97	1%	-1%
3	97	1%	1%
4	96	1%	1%
5	96	3%	2%
6	93	5%	2%
7	94	4%	-1%
8	93	3%	-3%
9	95	1%	-3%
10	97	0%	-1%
11	97	1%	2%
12	94	3%	1%
13	96	3%	-1%
14	95	4%	-1%
15	95	2%	-1%
16	93	3%	-5%



BEAM DETAILS



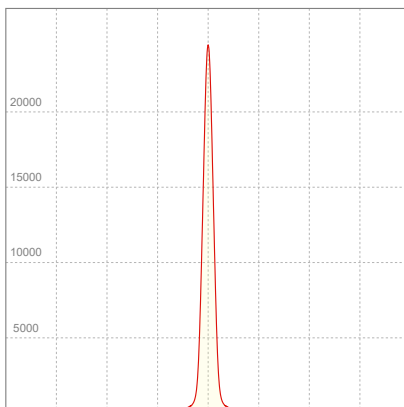
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,4°	18,7°	27,6°	97,0%	93,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	24427lx	6107lx	2714lx	1527lx	977lx	434lx	244lx	109lx	61lx	39lx	27lx	15lx	10lx
Footcand.	2269fcd	567fcd	252fcd	142fcd	91fcd	40fcd	23fcd	10fcd	6fcd	4fcd	3fcd	1fcd	1fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,4m	1,8m	2,7m	3,6m	4,6m	5,5m	7,3m	9,1m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	6ft	9ft	12ft	14,9ft	17,9ft	23,9ft	29,9ft

LINEAR DISTRIBUTION DIAGRAM

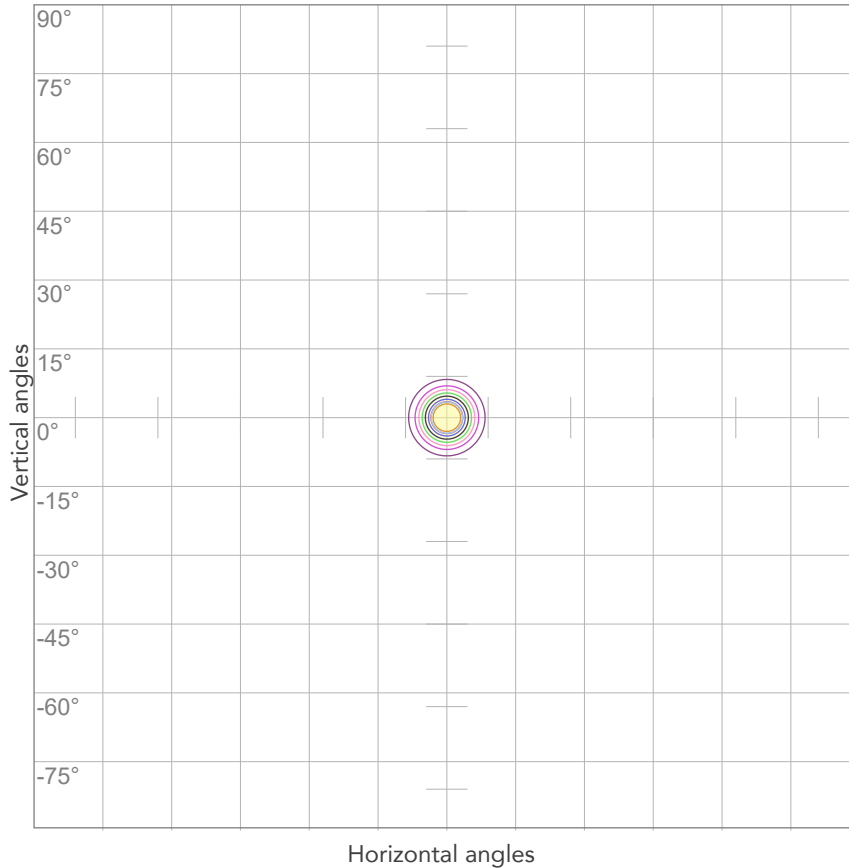


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,131A	27,9W	0,94	45lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



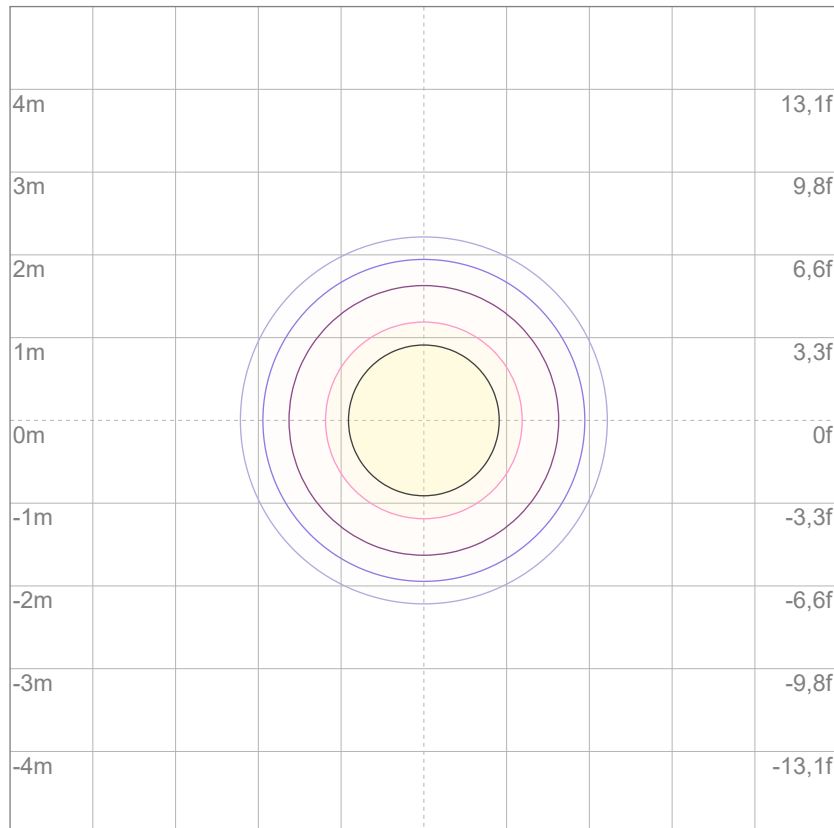
10%	2443 cd
20%	4885 cd
30%	7328 cd
40%	9771 cd
50%	12213 cd
60%	14656 cd
70%	17099 cd
80%	19541 cd

Conditions:

Number of c-planes: 2

Candela at center: 24427 cd

ISO LUX DIAGRAM



3%	7,33 lx
5%	12,2 lx
10%	24,4 lx
30%	73,3 lx
50%	122 lx

Conditions:

Number of c-planes: 2

Lux at center: 244 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1134 lm

Peak candela output:

4644 cd

Light quality:

CRI: 95,8

Color temperature:

2726 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

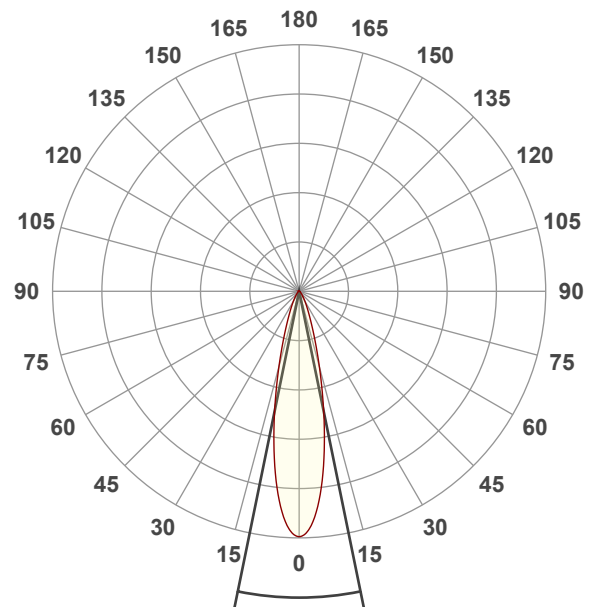
2700K

Operator:

Salvatore Giglio

Date and time:

19/02/2024 17:15:46

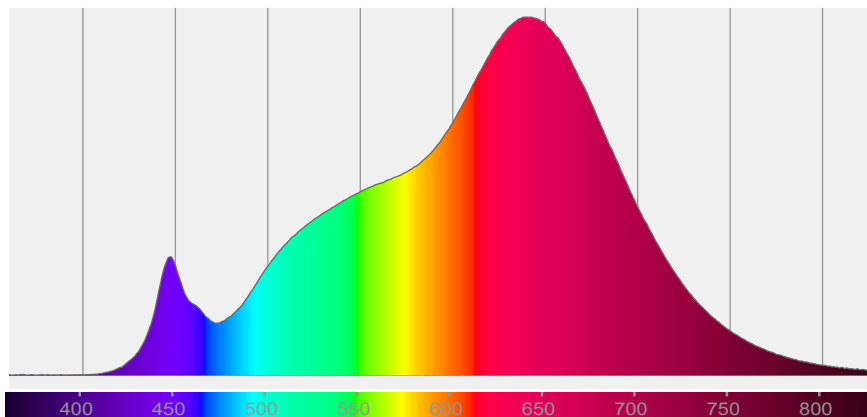


Beam angle 50%: 23,1°

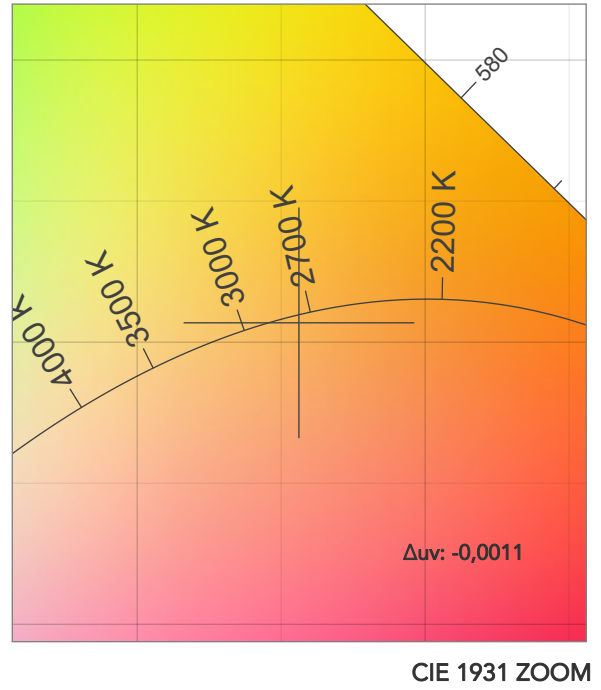
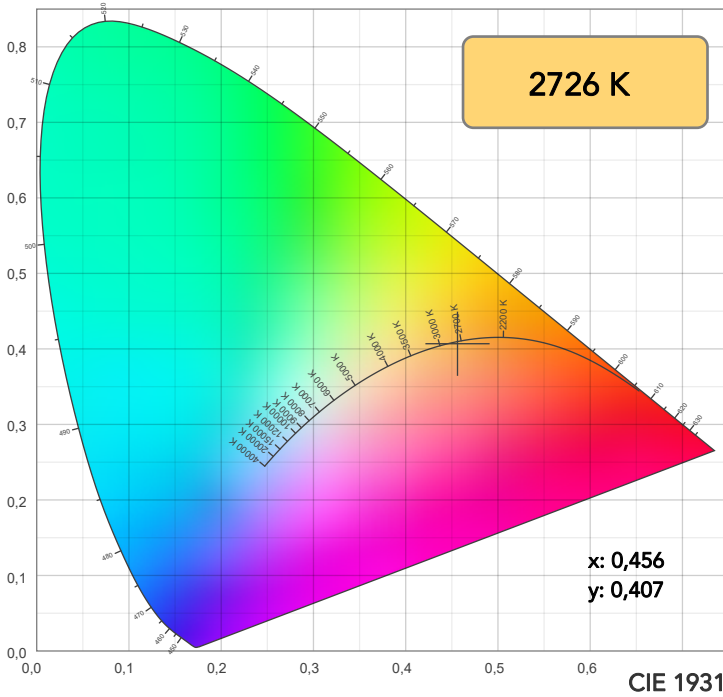
Field angle 10%: 46,8°

Cut off angle 2.5%: 72,5°

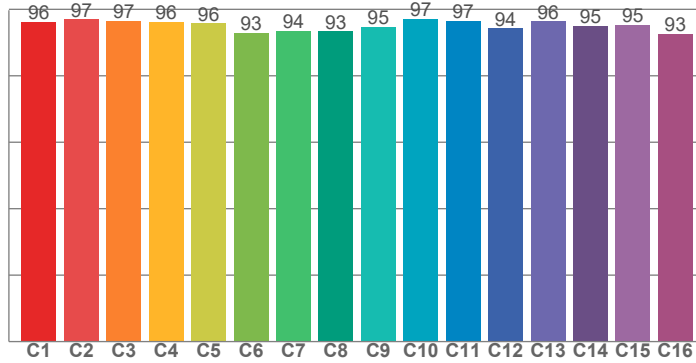
Spectra



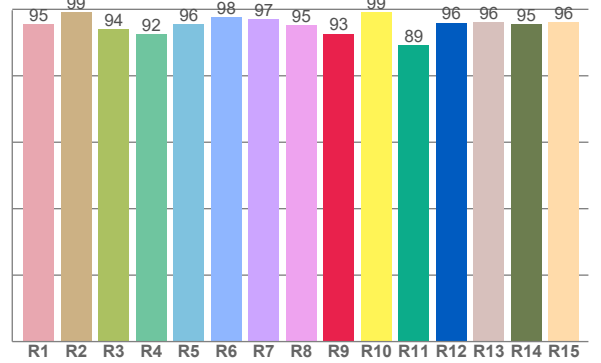
COLOR DETAILS



TM30: 95,5



CRI: 95,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,4	99,1	94,0	92,5	95,6	97,6	97,0	95,1	92,7	99,2	89,2	96,0	96,1	95,5	96,1

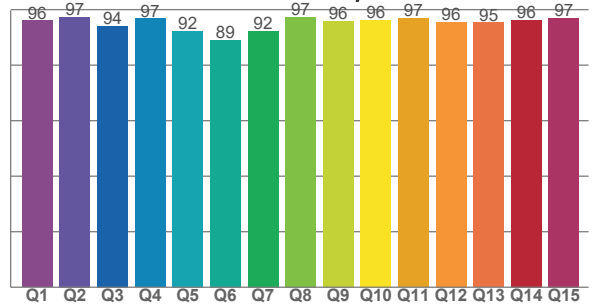
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,2	97,0	96,5	96,2	95,8	92,9	93,5	93,4	94,7	97,1	96,6	94,3	96,4	95,0	95,4	92,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,1	97,3	94,1	96,8	92,3	89,1	92,3	97,3	96,0	96,3	96,9	95,5	95,3	96,3	96,9

CQS: 94,4



COLOR PARAMETERS

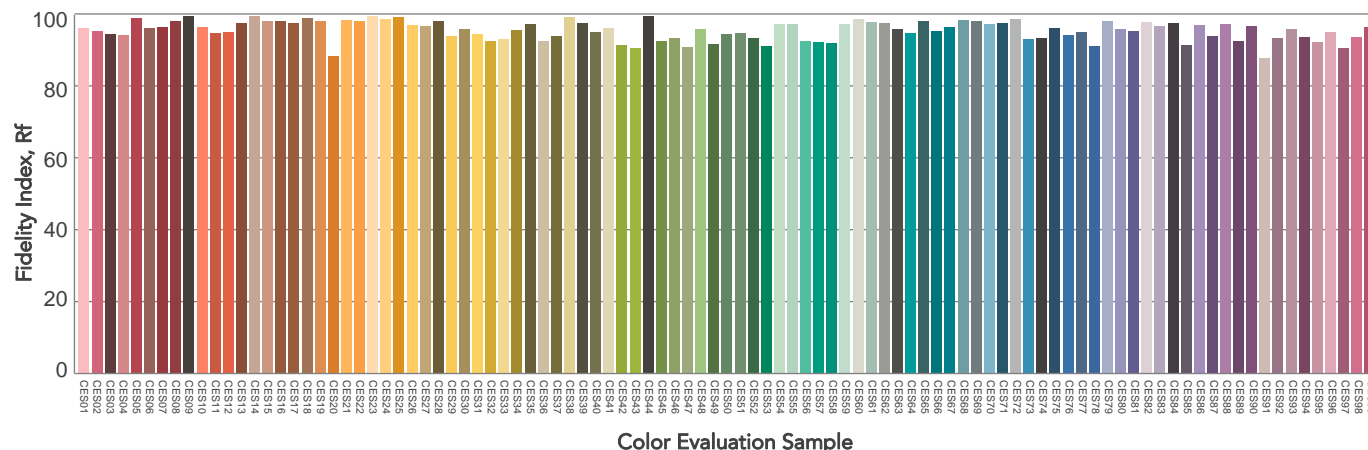
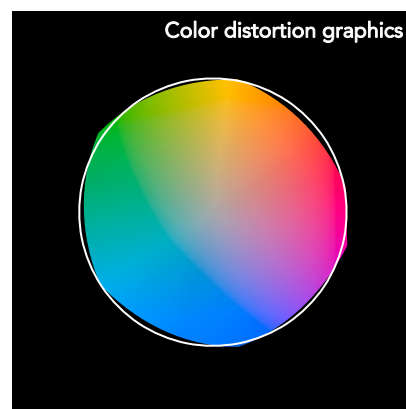
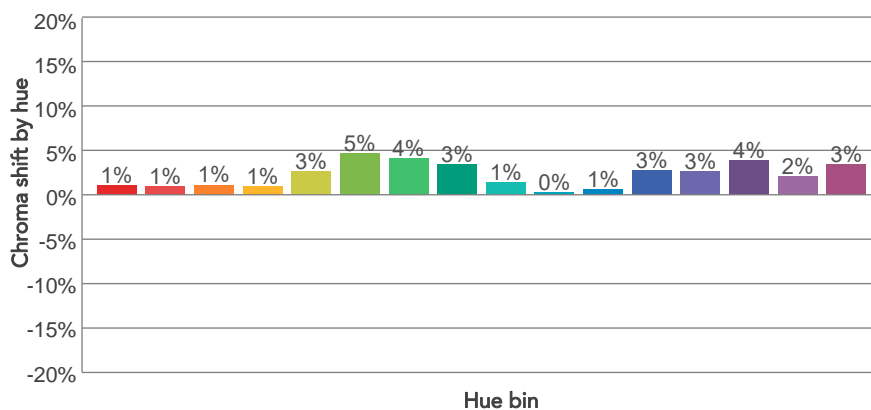
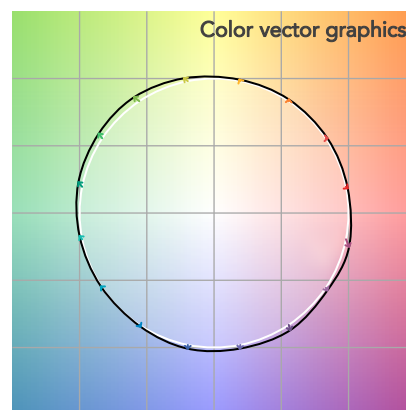
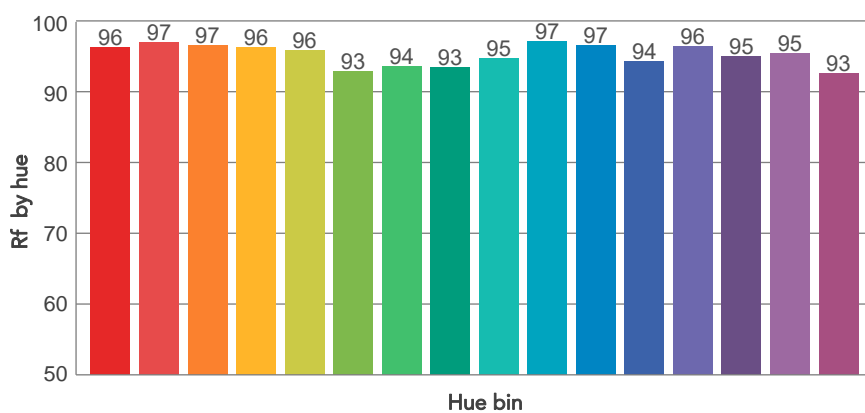
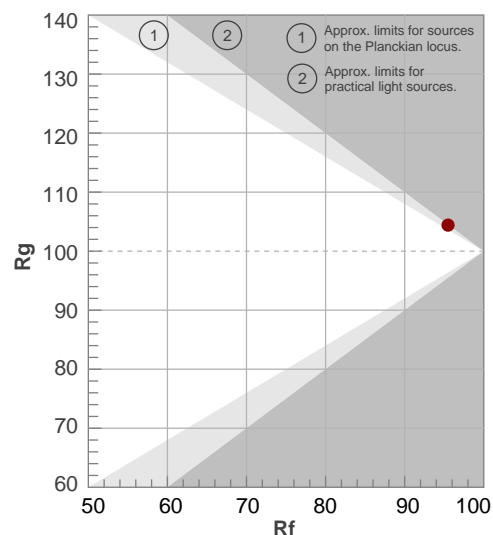
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2726 K	95,8	92,7	95,5	104,4	94,4	97	0,456	0,407	-0,0011

TM30 DETAILS

Rf 95,5
Fidelity index Rf

Rg 104,4
Gammut index

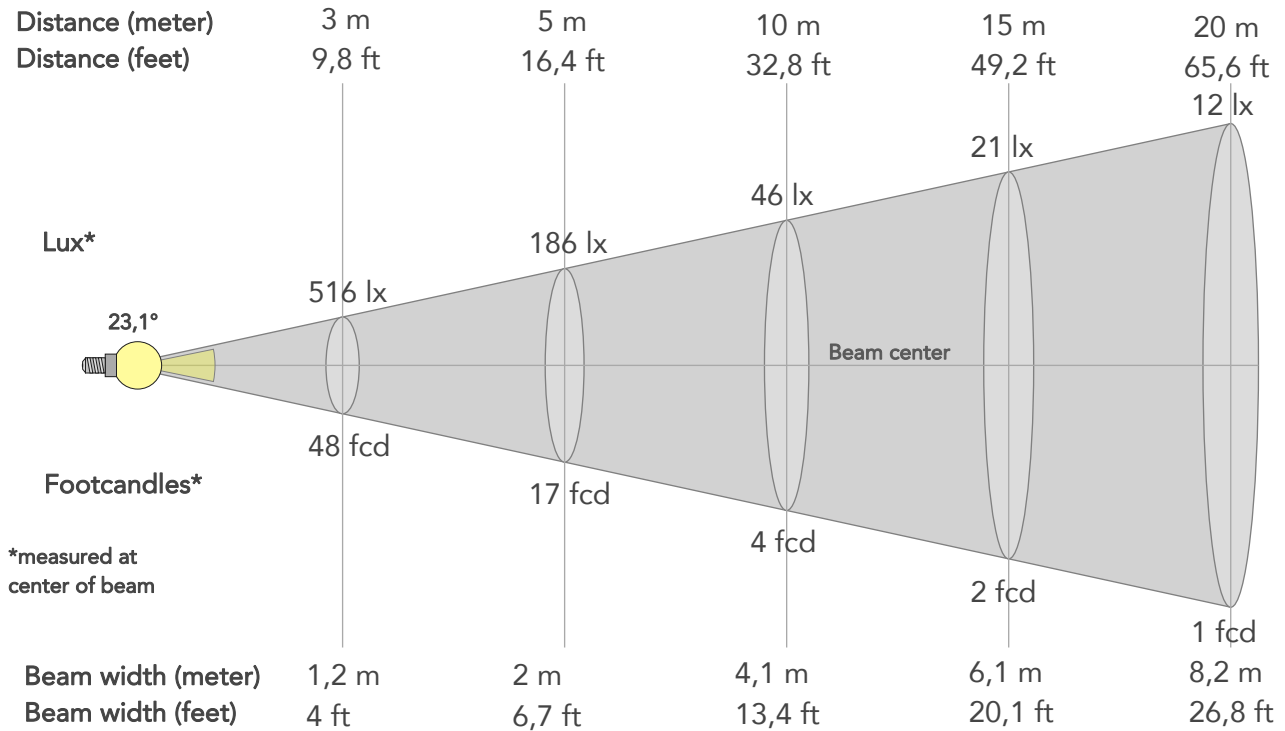
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-1%
2	97	1%	-1%
3	97	1%	1%
4	96	1%	1%
5	96	3%	2%
6	93	5%	2%
7	94	4%	-1%
8	93	3%	-3%
9	95	1%	-3%
10	97	0%	-1%
11	97	1%	2%
12	94	3%	1%
13	96	3%	-1%
14	95	4%	-1%
15	95	2%	-1%
16	93	3%	-5%



BEAM DETAILS



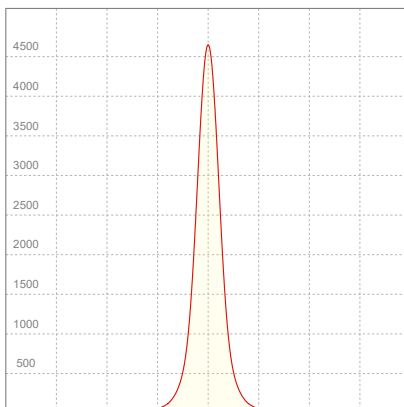
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,1°	46,8°	72,5°	97,2%	93,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	4644lx	1161lx	516lx	290lx	186lx	83lx	46lx	21lx	12lx	7lx	5lx	3lx	2lx
Footcand.	431fcd	108fcd	48fcd	27fcd	17fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3,1m	4,1m	6,1m	8,2m	10,2m	12,3m	16,4m	20,4m
Beam wid.	1,3ft	2,7ft	4ft	5,4ft	6,7ft	10,1ft	13,4ft	20,1ft	26,8ft	33,5ft	40,2ft	53,6ft	67,1ft

LINEAR DISTRIBUTION DIAGRAM

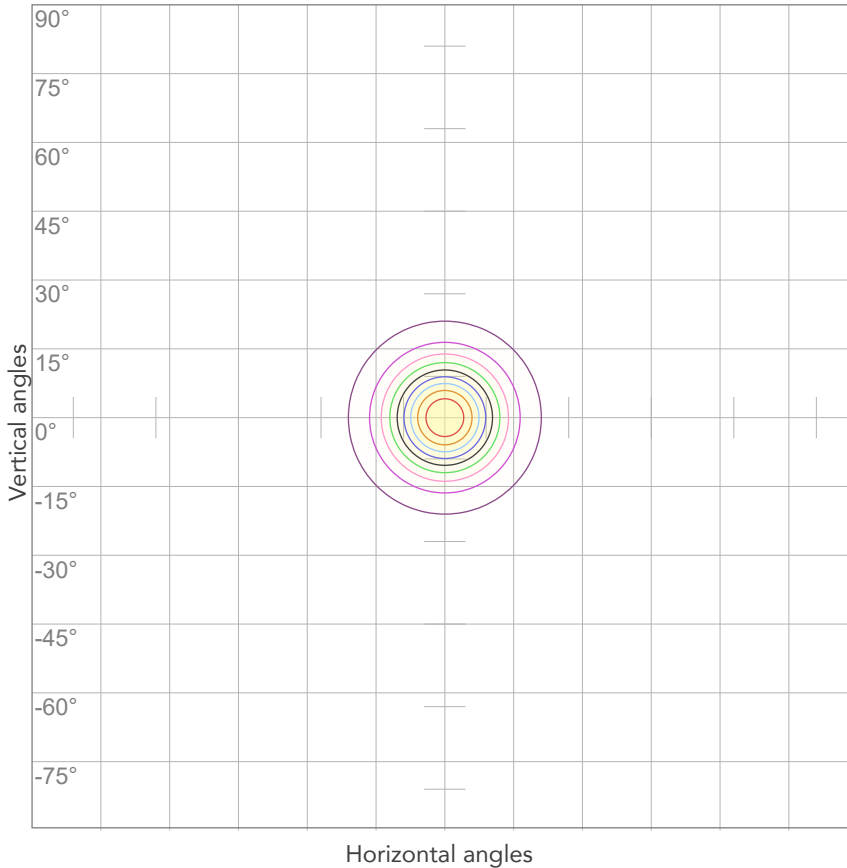


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,131A	27,9W	0,94	41lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



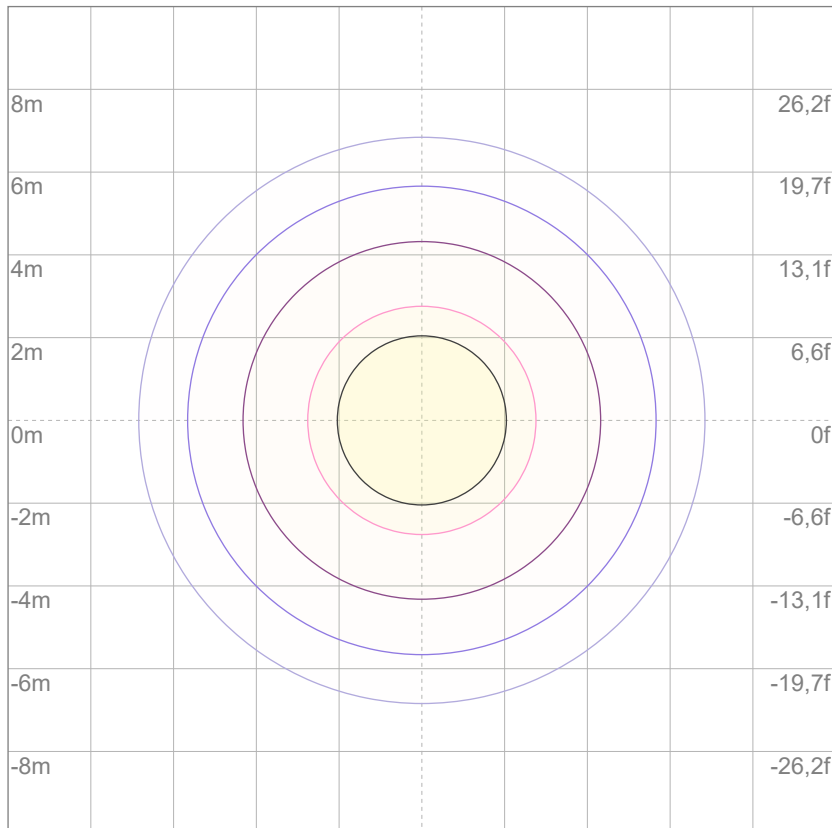
10%	464 cd
20%	929 cd
30%	1393 cd
40%	1857 cd
50%	2322 cd
60%	2786 cd
70%	3251 cd
80%	3715 cd

Conditions:

Number of c-planes: 2

Candela at center: 4644 cd

ISO LUX DIAGRAM



3%	1,39 lx
5%	2,32 lx
10%	4,64 lx
30%	13,9 lx
50%	23,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 46,4 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1082 lm

Peak candela output:

1338 cd

Light quality:

CRI: 95,7

Color temperature:

2720 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

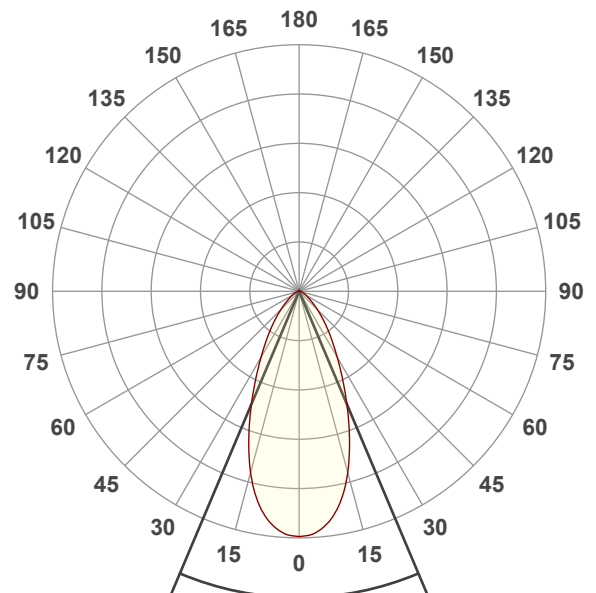
2700K

Operator:

Salvatore Giglio

Date and time:

19/02/2024 17:44:43

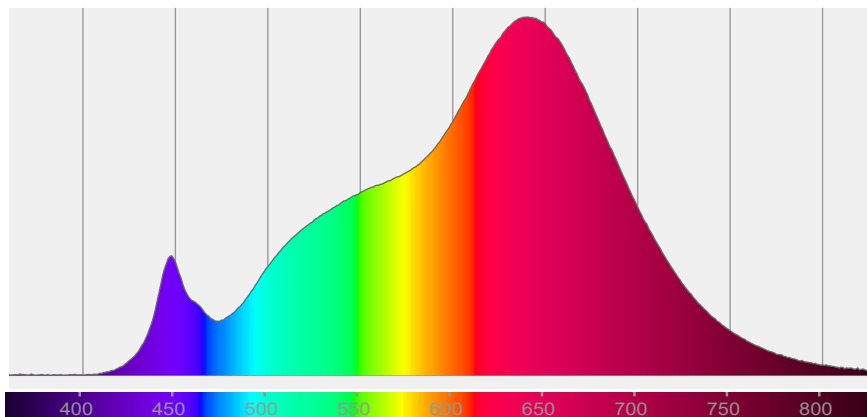


Beam angle 50%: 45,8°

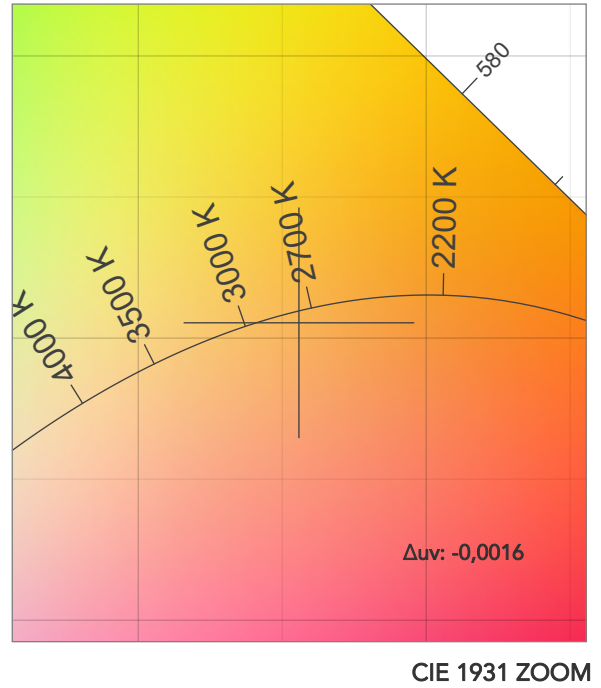
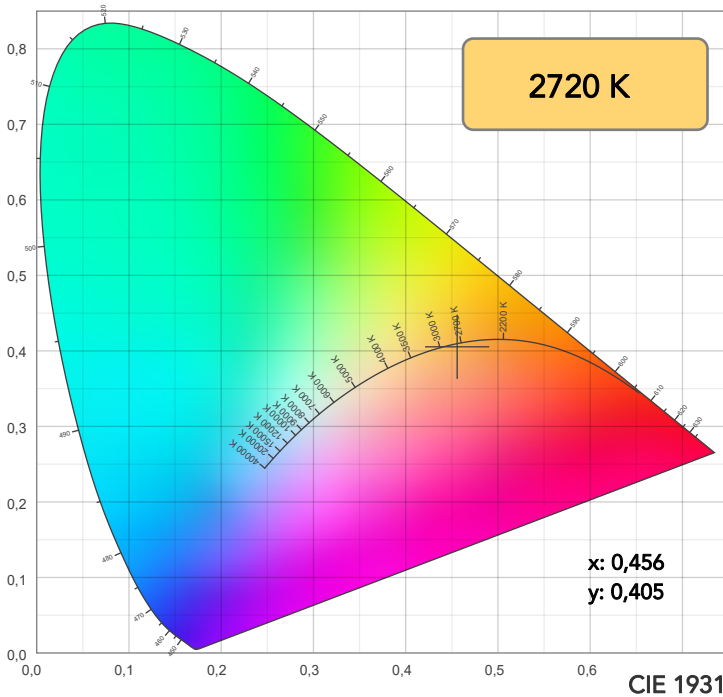
Field angle 10%: 91,1°

Cut off angle 2.5%: 128,1°

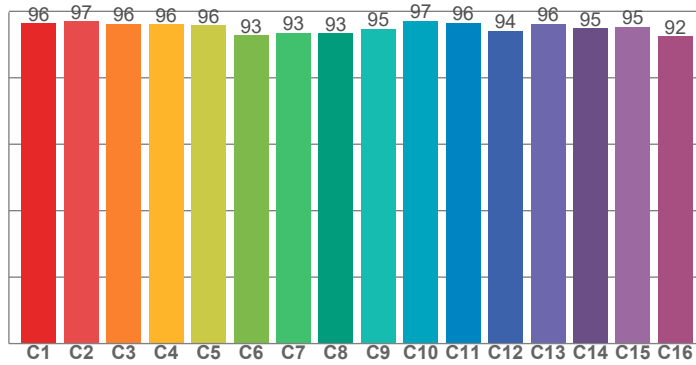
Spectra



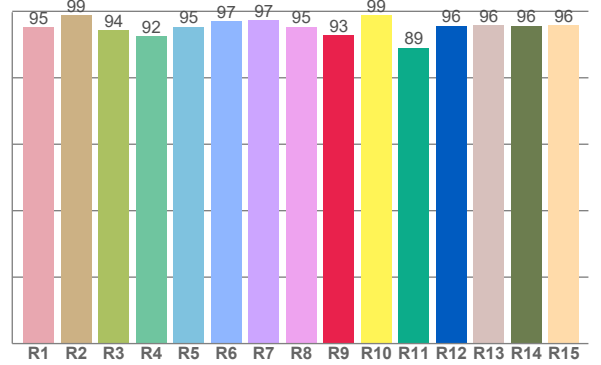
COLOR DETAILS



TM30: 95,4



CRI: 95,7 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,2	98,7	94,4	92,5	95,3	97,1	97,3	95,3	92,8	98,9	89,1	95,7	95,8	95,7	95,8

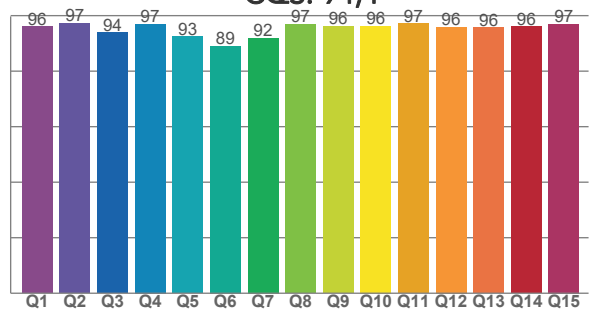
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,3	97,0	96,3	96,1	95,7	92,8	93,5	93,3	94,8	97,1	96,5	94,2	96,2	94,8	95,4	92,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,1	97,2	93,9	97,0	92,5	89,1	91,9	96,9	96,2	96,2	97,1	95,9	95,7	96,0	96,9

CQS: 94,4



COLOR PARAMETERS

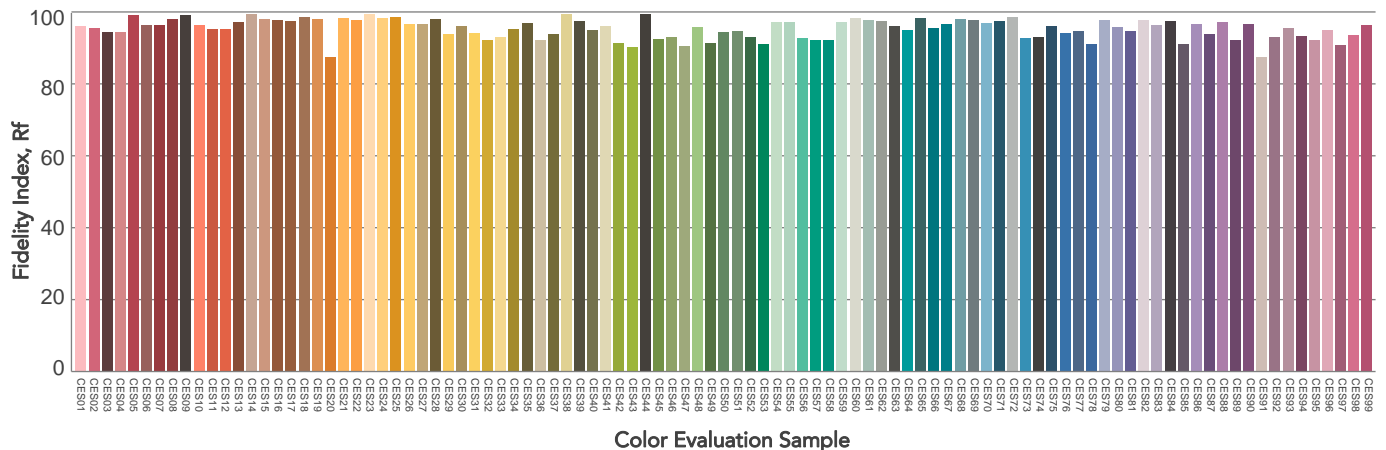
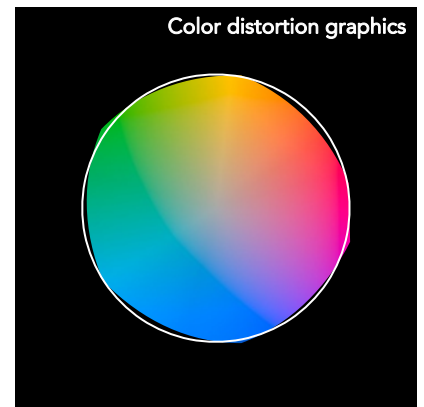
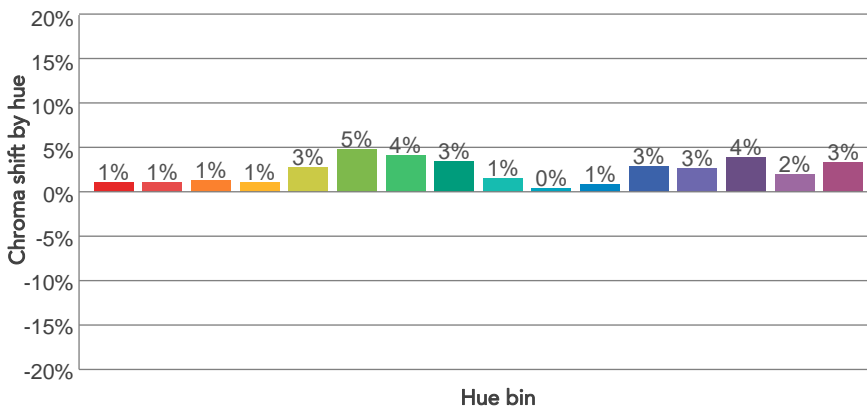
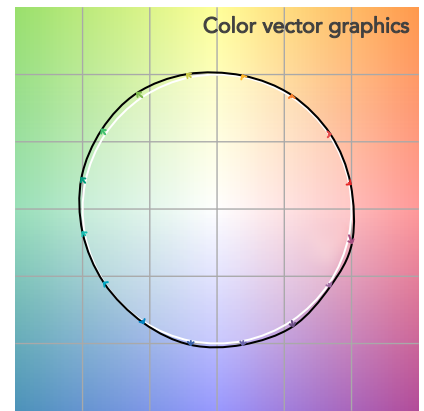
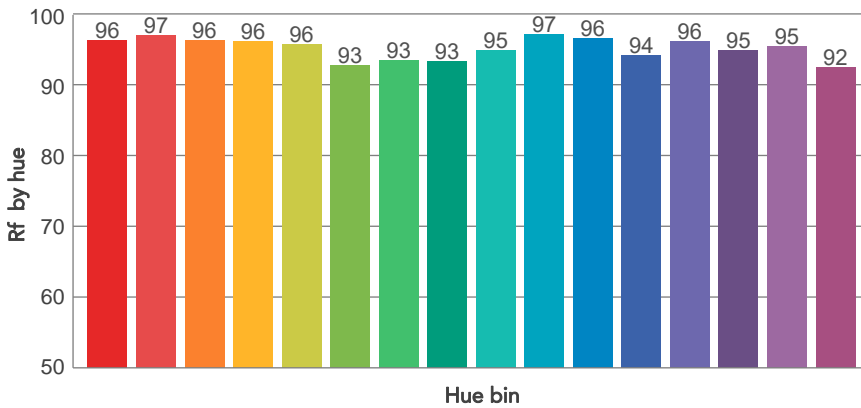
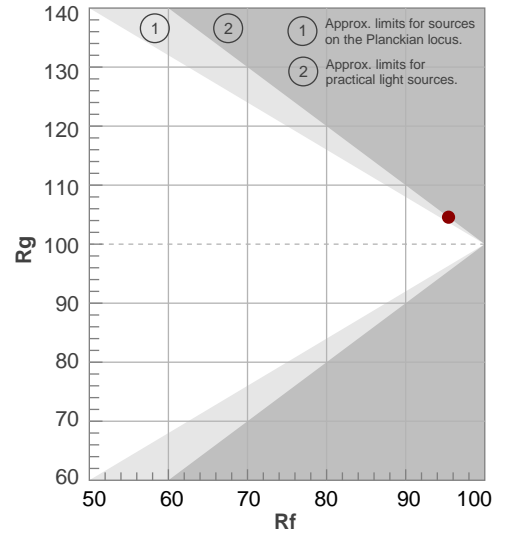
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2720 K	95,7	92,8	95,4	104,6	94,4	97	0,456	0,405	-0,0016

TM30 DETAILS

Rf 95,4
Fidelity index Rf

Rg 104,6
Gammut index

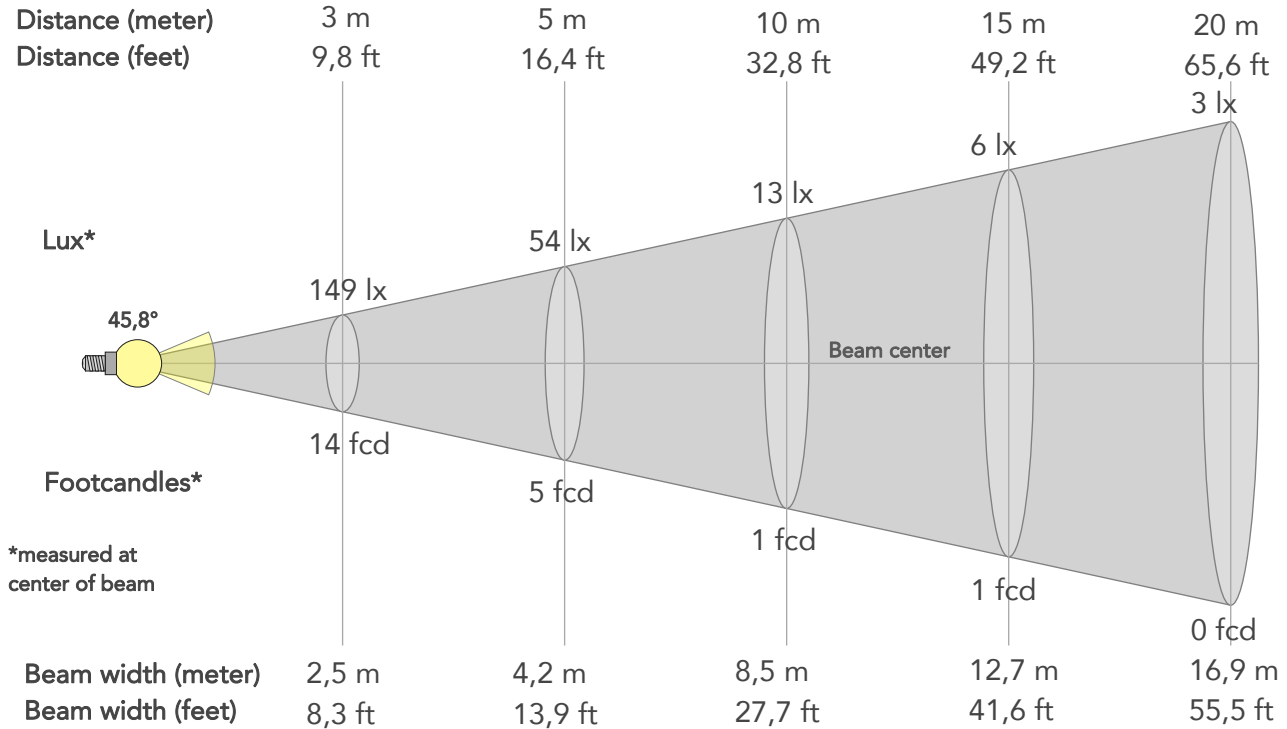
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-1%
2	97	1%	-1%
3	96	1%	1%
4	96	1%	1%
5	96	3%	2%
6	93	5%	1%
7	93	4%	-1%
8	93	3%	-3%
9	95	1%	-3%
10	97	0%	-1%
11	96	1%	2%
12	94	3%	0%
13	96	3%	-1%
14	95	4%	-1%
15	95	2%	-1%
16	92	3%	-5%



BEAM DETAILS



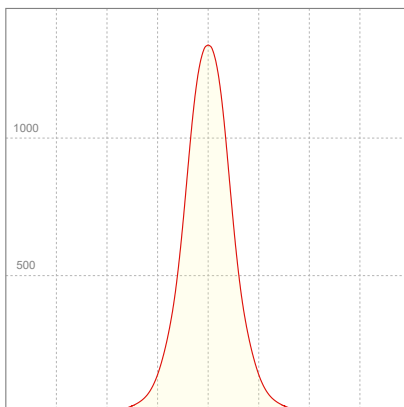
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,8°	91,1°	128,1°	94,8%	85,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1338lx	334lx	149lx	84lx	54lx	24lx	13lx	6lx	3lx	2lx	1lx	1lx	1lx
Footcand.	124fcd	31fcd	14fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,4m	4,2m	6,3m	8,5m	12,7m	16,9m	21,1m	25,4m	33,8m	42,3m
Beam wid.	2,8ft	5,6ft	8,3ft	11,1ft	13,9ft	20,8ft	27,7ft	41,6ft	55,5ft	69,3ft	83,2ft	110,9ft	138,6ft

LINEAR DISTRIBUTION DIAGRAM

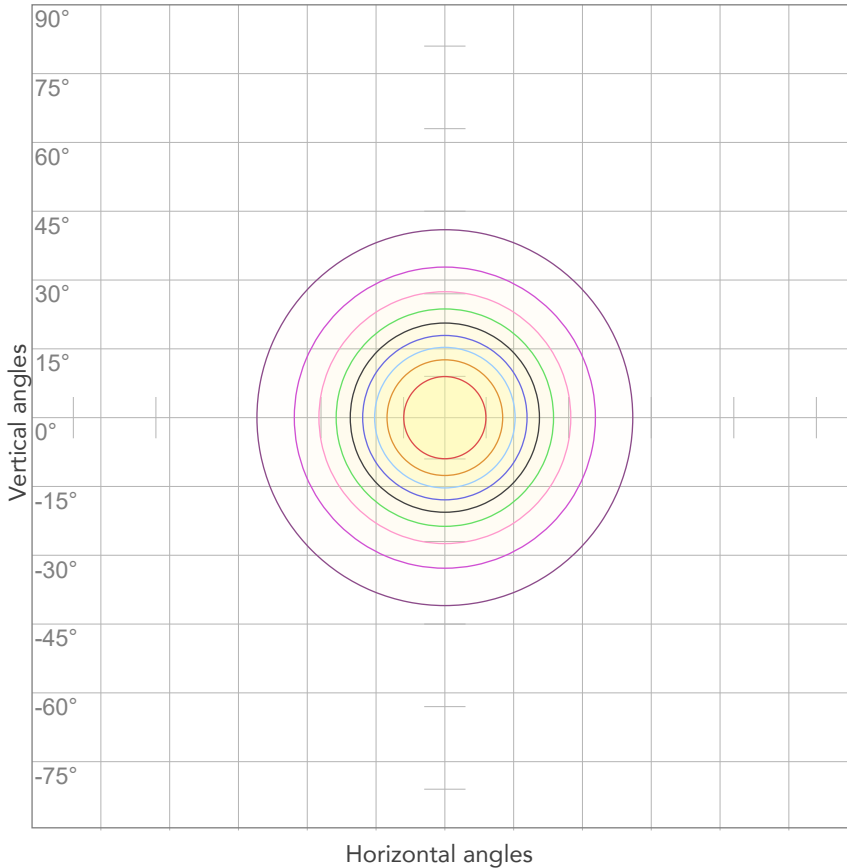


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,131A	27,7W	0,94	39lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



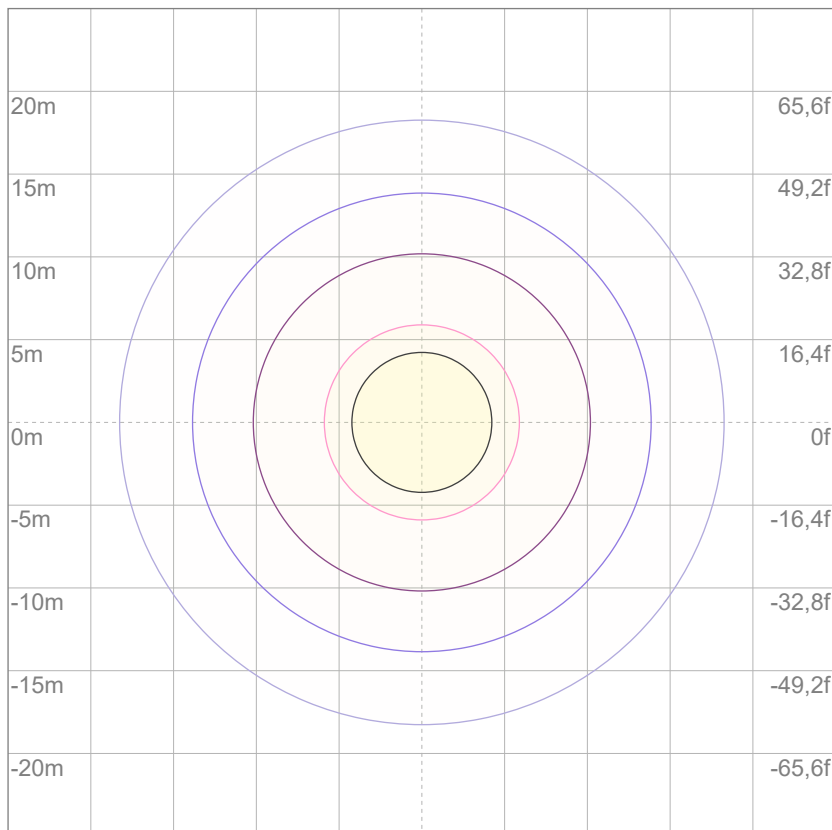
10%	134 cd
20%	268 cd
30%	401 cd
40%	535 cd
50%	669 cd
60%	803 cd
70%	936 cd
80%	1070 cd

Conditions:

Number of c-planes: 2

Candela at center: 1338 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,401 lx
5%	0,669 lx
10%	1,34 lx
30%	4,01 lx
50%	6,69 lx

Conditions:

Number of c-planes: 2

Lux at center: 13,4 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.



Total lumen output:

1095 lm

Peak candela output:

1000 cd

Light quality:

CRI: 95,9

Color temperature:

2750 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

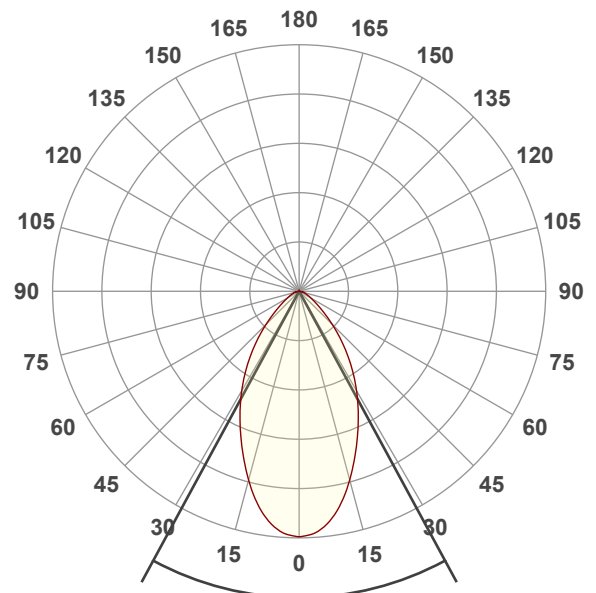
2700K

Operator:

Salvatore Giglio

Date and time:

20/02/2024 09:19:01

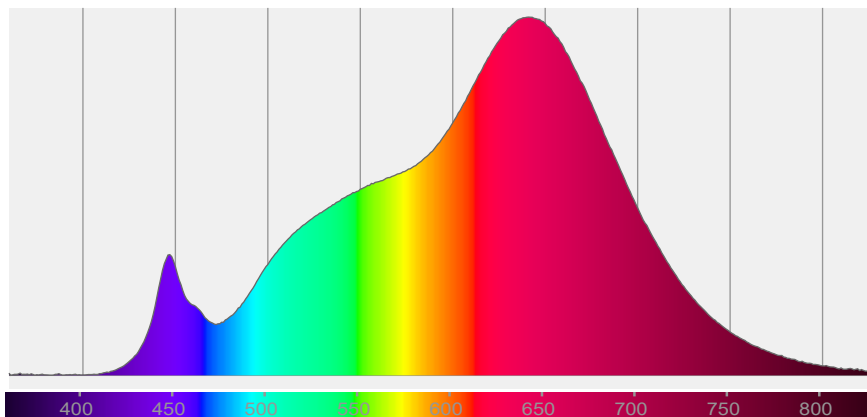


Beam angle 50%: 56,9°

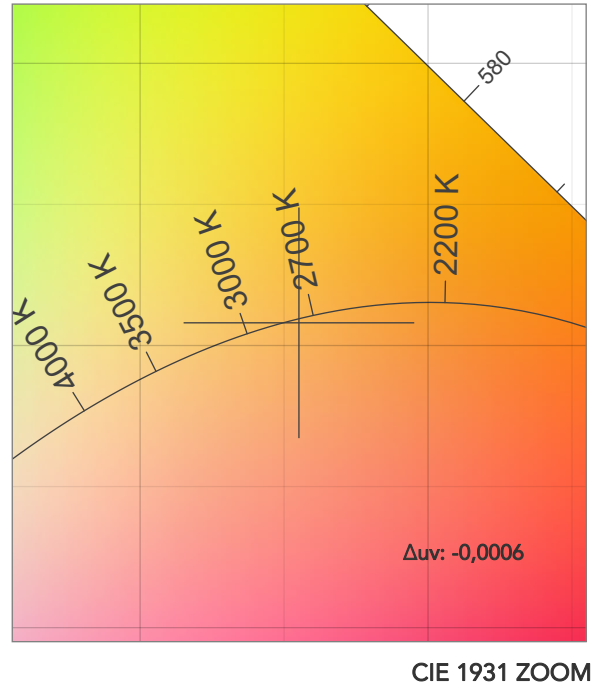
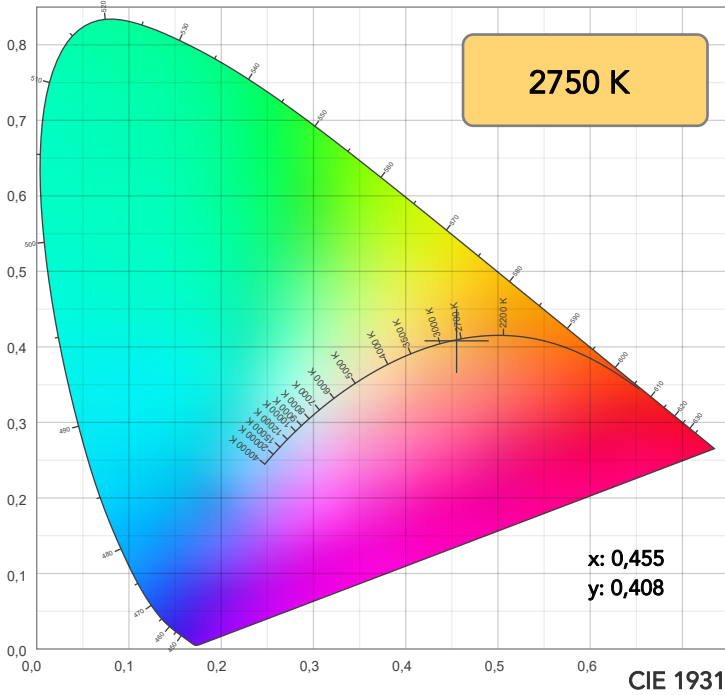
Field angle 10%: 105,5°

Cut off angle 2.5%: 142,9°

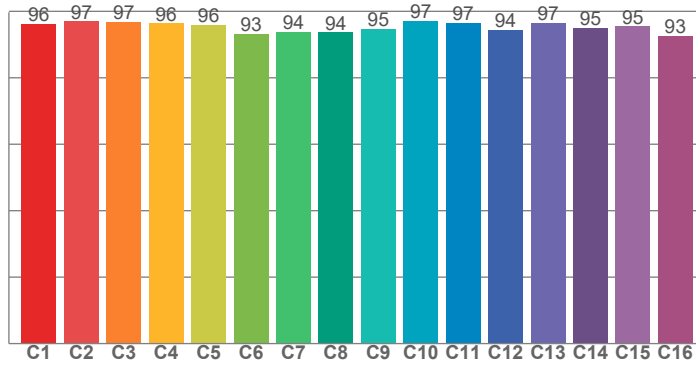
Spectra



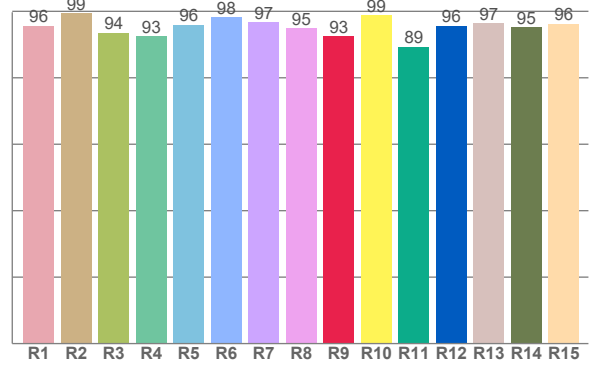
COLOR DETAILS



TM30: 95,6



CRI: 95,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,7	99,5	93,5	92,5	95,9	98,3	96,6	94,8	92,5	98,8	89,4	95,7	96,5	95,3	96,3

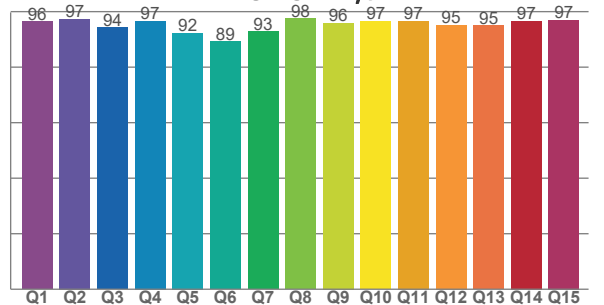
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,2	97,0	96,8	96,3	95,9	93,2	93,9	93,7	94,8	97,1	96,6	94,4	96,6	95,0	95,4	92,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,4	97,4	94,2	96,6	92,2	89,3	92,9	97,5	95,8	96,5	96,7	95,2	94,9	96,6	97,0

CQS: 94,5



COLOR PARAMETERS

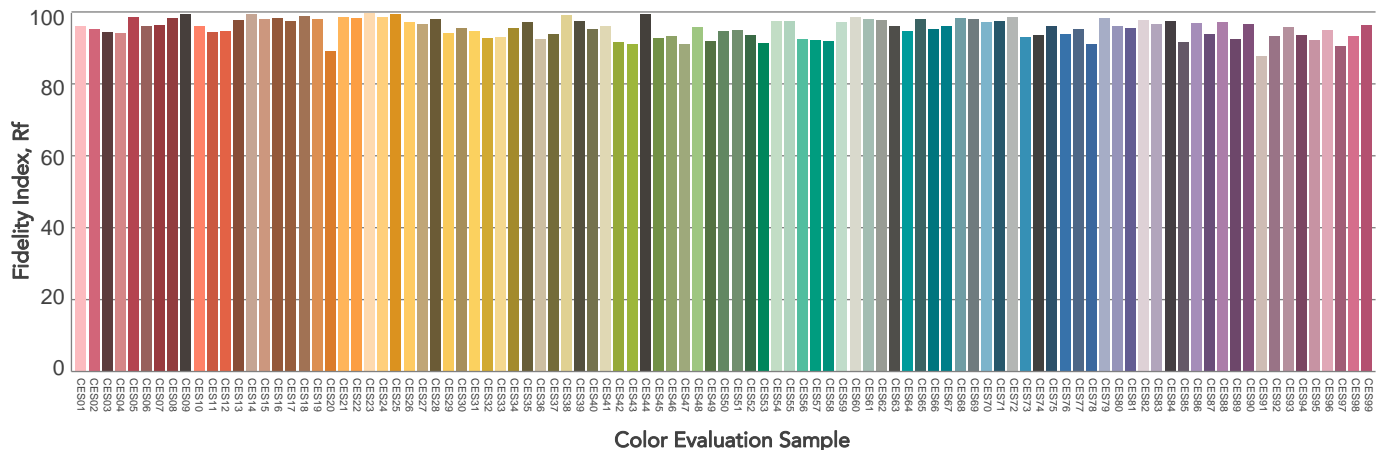
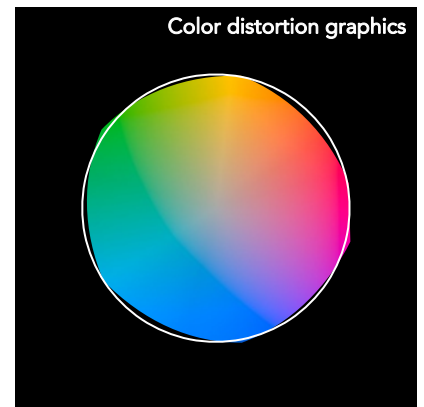
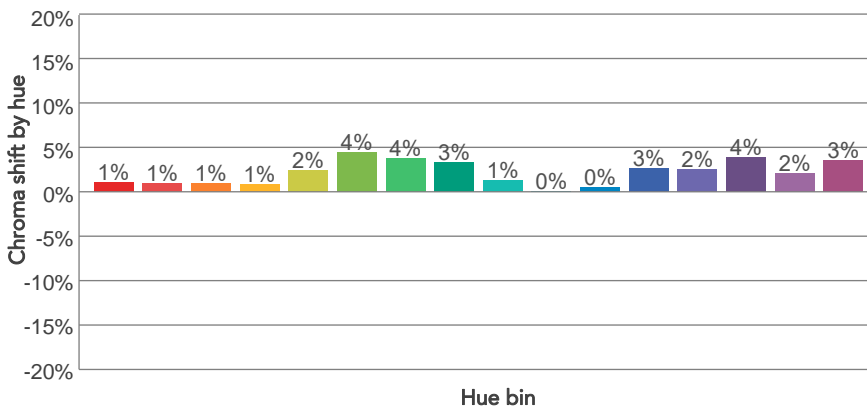
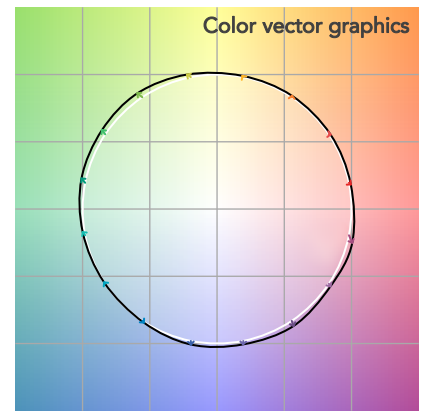
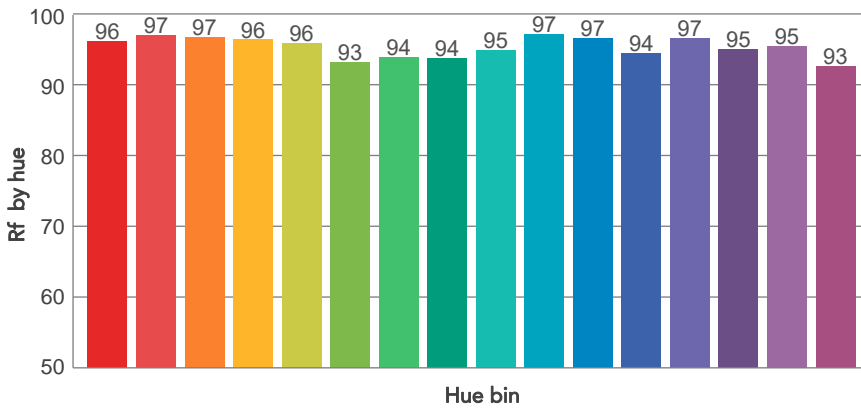
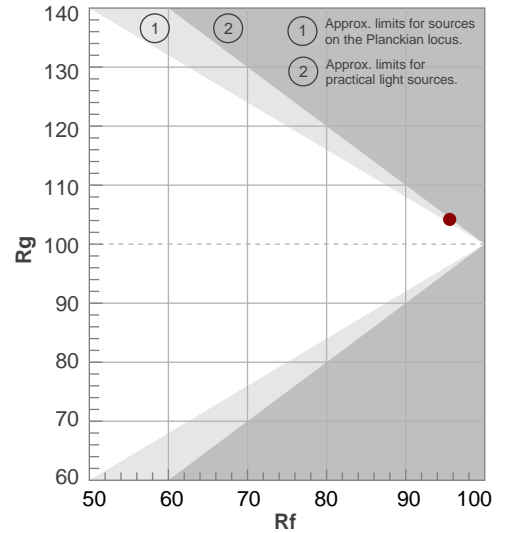
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2750 K	95,9	92,5	95,6	104,2	94,5	97	0,455	0,408	-0,0006

TM30 DETAILS

Rf 95,6
Fidelity index Rf

Rg 104,2
Gammut index

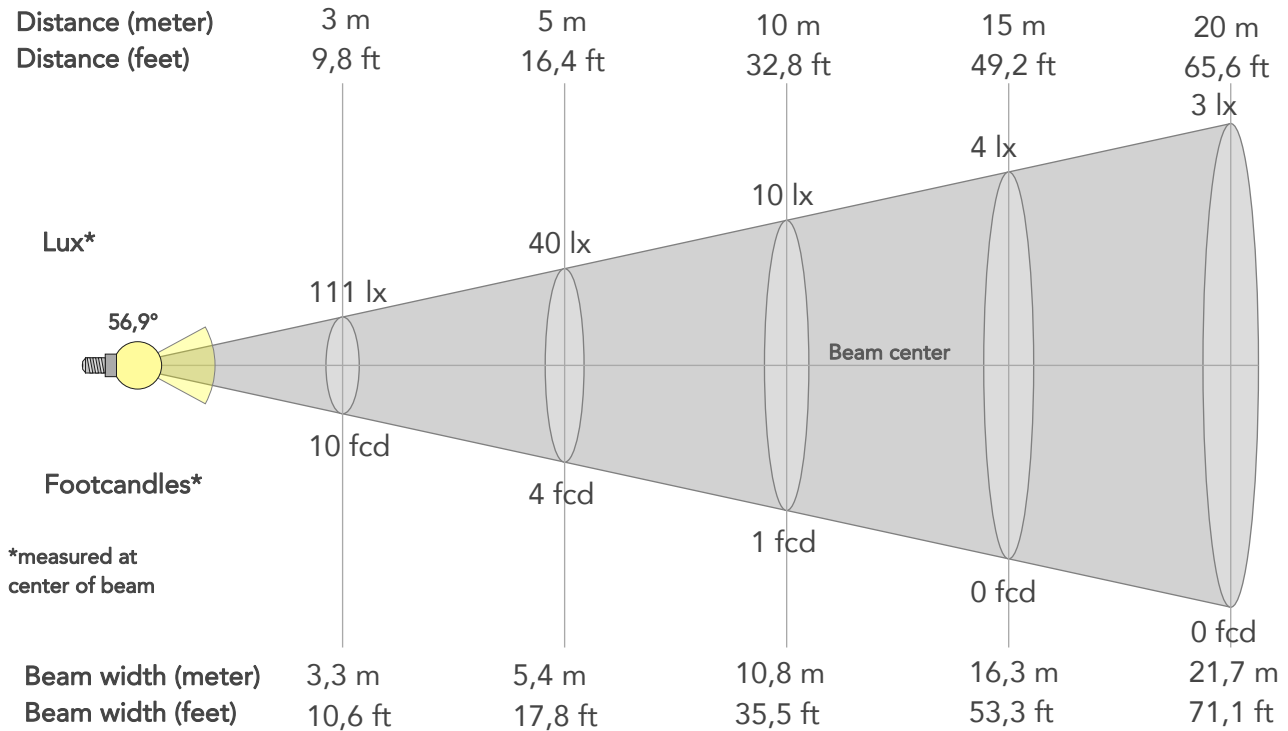
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-1%
2	97	1%	-1%
3	97	1%	0%
4	96	1%	1%
5	96	2%	2%
6	93	4%	1%
7	94	4%	-1%
8	94	3%	-3%
9	95	1%	-3%
10	97	0%	-1%
11	97	0%	2%
12	94	3%	1%
13	97	2%	-1%
14	95	4%	-1%
15	95	2%	-1%
16	93	3%	-5%



BEAM DETAILS



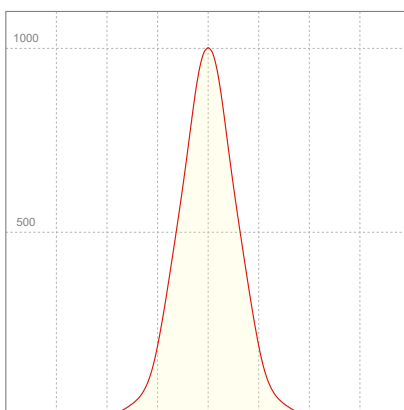
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,9°	105,5°	142,9°	94,0%	81,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1000lx	250lx	111lx	63lx	40lx	18lx	10lx	4lx	3lx	2lx	1lx	1lx	0lx
Footcand.	93fcd	23fcd	10fcd	6fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,3m	5,4m	8,1m	10,8m	16,3m	21,7m	27,1m	32,5m	43,3m	54,2m
Beam wid.	3,6ft	7,2ft	10,6ft	14,2ft	17,8ft	26,7ft	35,5ft	53,3ft	71,1ft	88,8ft	106,6ft	142,2ft	177,7ft

LINEAR DISTRIBUTION DIAGRAM

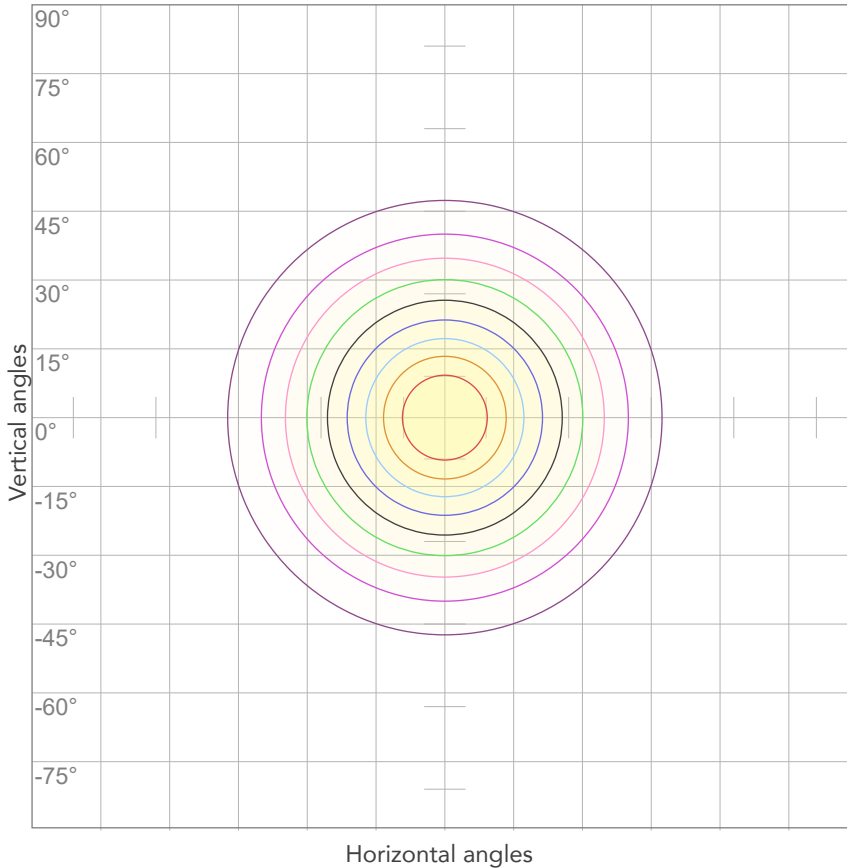


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
223V	0,135A	28,2W	0,94	39lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



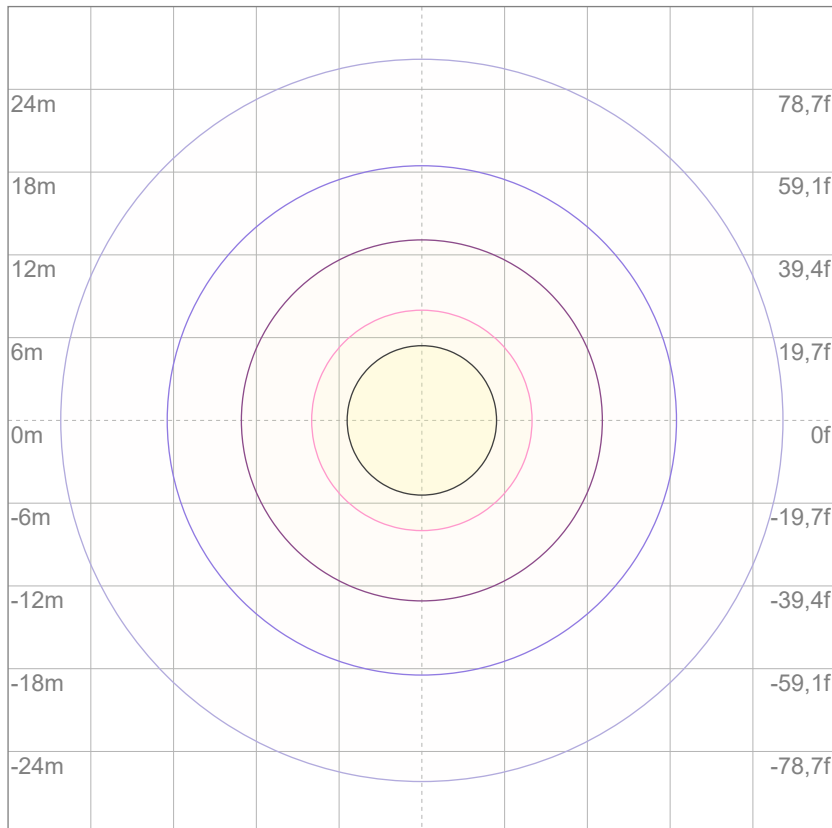
10%	100 cd
20%	200 cd
30%	300 cd
40%	400 cd
50%	500 cd
60%	600 cd
70%	700 cd
80%	800 cd

Conditions:

Number of c-planes: 2

Candela at center: 1000 cd

ISO LUX DIAGRAM



3%	0,300 lx
5%	0,500 lx
10%	1,00 lx
30%	3,00 lx
50%	5,00 lx

Conditions:

Number of c-planes: 2

Lux at center: 10,0 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1682 lm

Peak candela output:

3438 cd

Light quality:

CRI: 95,8

Color temperature:

2723 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

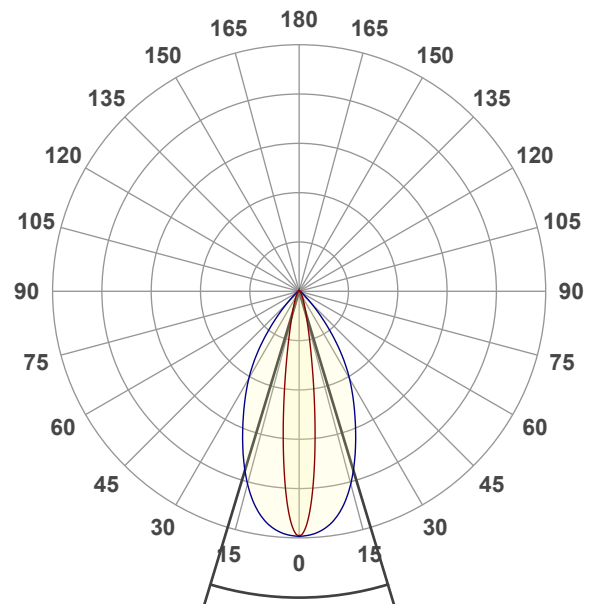
2700K

Operator:

Salvatore Giglio

Date and time:

20/02/2024 11:11:18

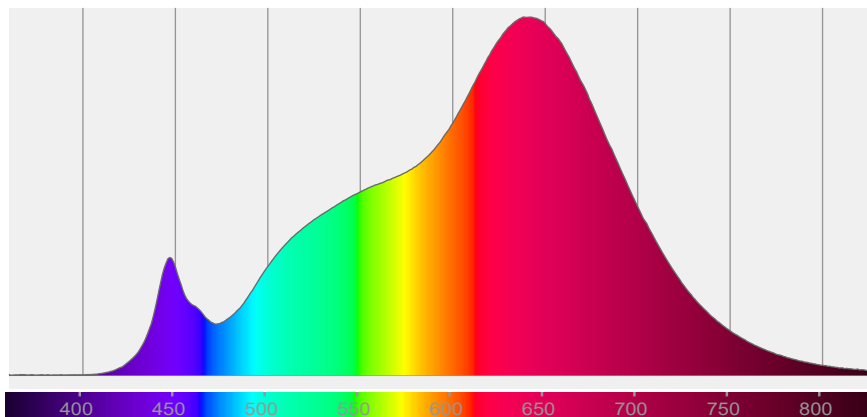


Beam angle 50%: 33,7°

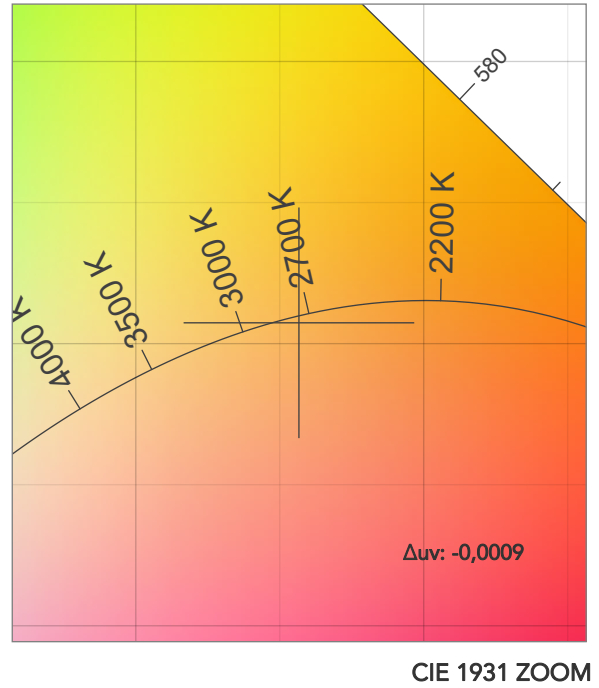
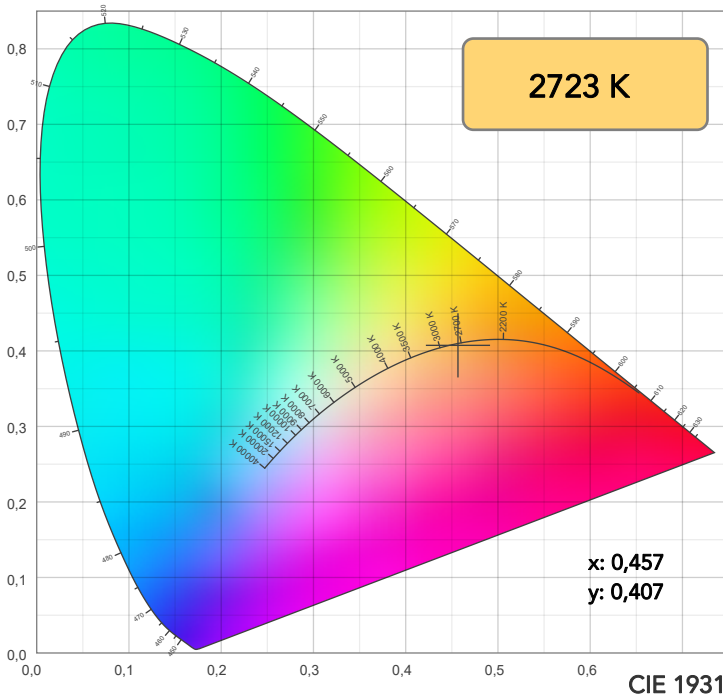
Field angle 10%: 59,8°

Cut off angle 2.5%: 84,1°

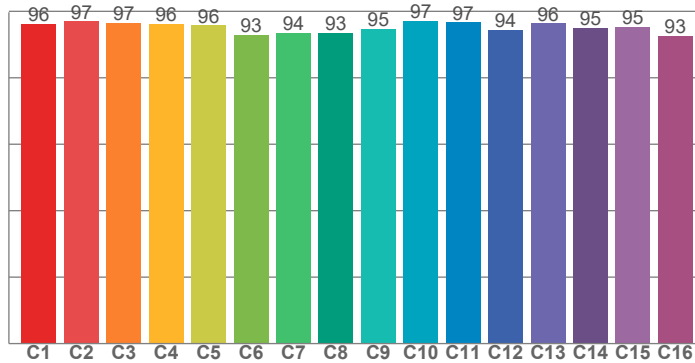
Spectra



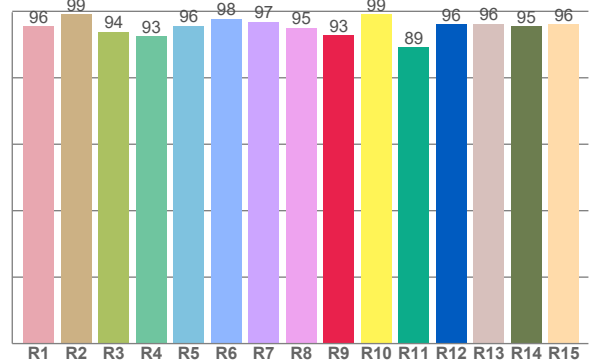
COLOR DETAILS



TM30: 95,5



CRI: 95,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,5	99,2	93,9	92,5	95,7	97,8	96,9	95,1	92,8	99,1	89,3	96,0	96,3	95,4	96,2

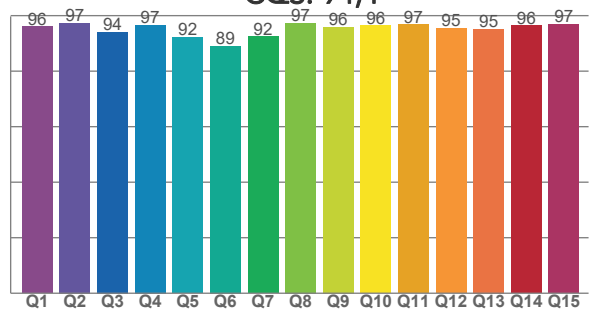
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,2	97,0	96,6	96,2	95,8	93,0	93,5	93,4	94,7	97,1	96,6	94,3	96,4	95,0	95,4	92,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,1	97,3	94,1	96,6	92,2	89,1	92,4	97,4	95,9	96,4	96,8	95,4	95,2	96,4	96,9

CQS: 94,4



COLOR PARAMETERS

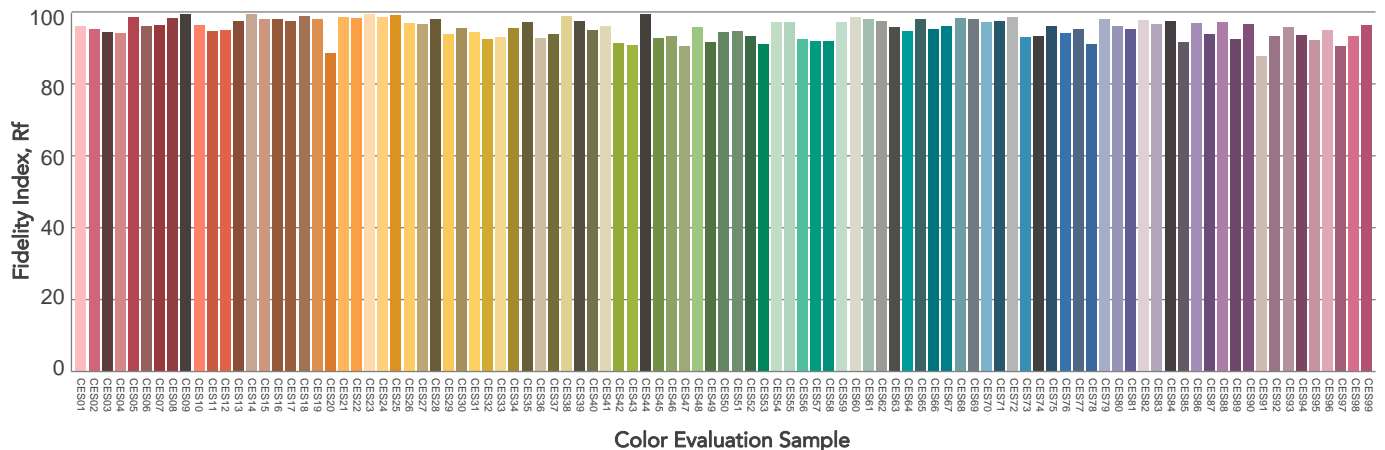
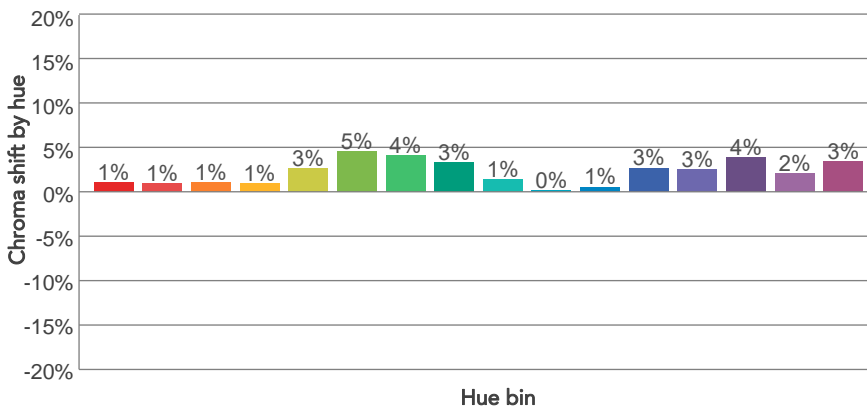
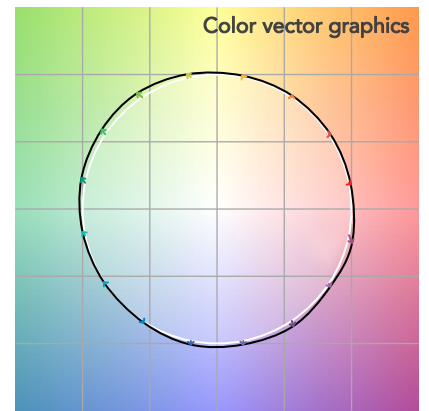
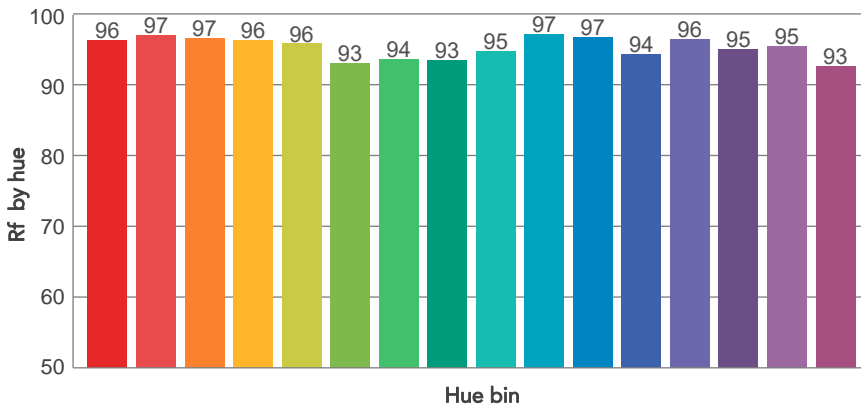
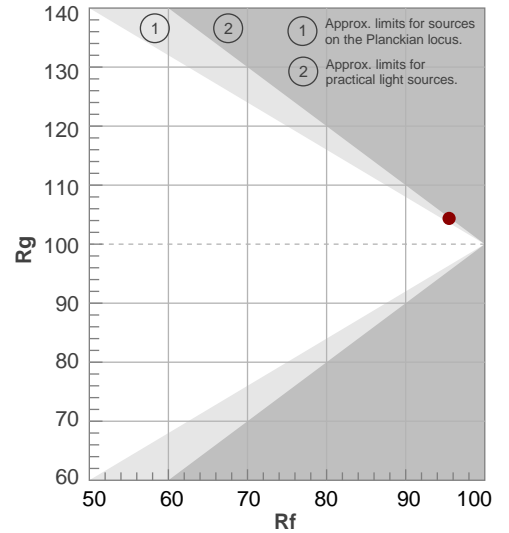
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2723 K	95,8	92,8	95,5	104,4	94,4	97	0,457	0,407	-0,0009

TM30 DETAILS

Rf 95,5
Fidelity index Rf

Rg 104,4
Gammut index

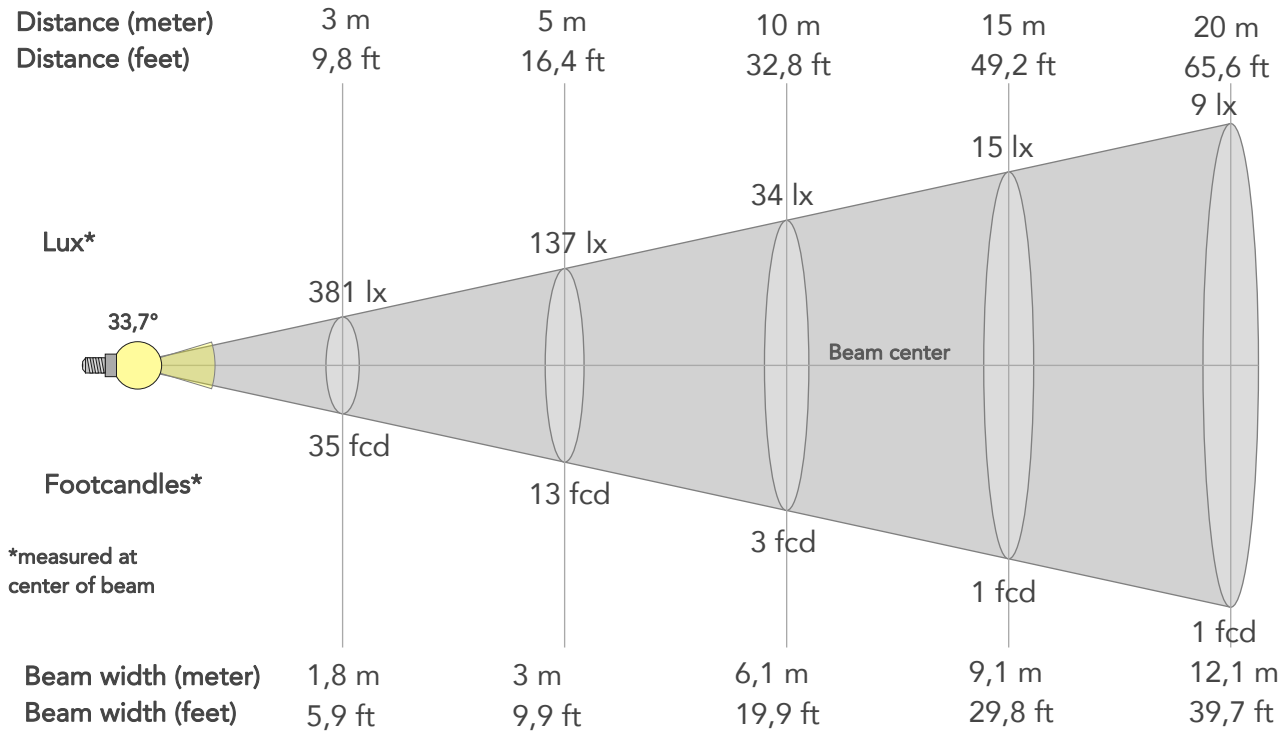
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-1%
2	97	1%	-1%
3	97	1%	1%
4	96	1%	1%
5	96	3%	2%
6	93	5%	2%
7	94	4%	-1%
8	93	3%	-3%
9	95	1%	-3%
10	97	0%	-1%
11	97	1%	2%
12	94	3%	1%
13	96	3%	-1%
14	95	4%	-1%
15	95	2%	-1%
16	93	3%	-5%



BEAM DETAILS



Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,7°	59,8°	84,1°	97,4%	92,3%

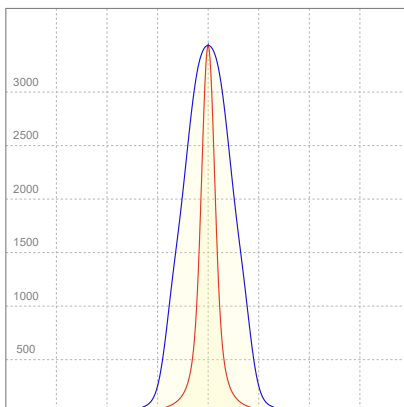


*measured at center of beam

BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3432lx	858lx	381lx	214lx	137lx	61lx	34lx	15lx	9lx	5lx	4lx	2lx	1lx
Footcand.	319fcd	80fcd	35fcd	20fcd	13fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6,1m	9,1m	12,1m	15,1m	18,2m	24,2m	30,3m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,9ft	19,9ft	29,8ft	39,7ft	49,6ft	59,6ft	79,4ft	99,3ft

LINEAR DISTRIBUTION DIAGRAM

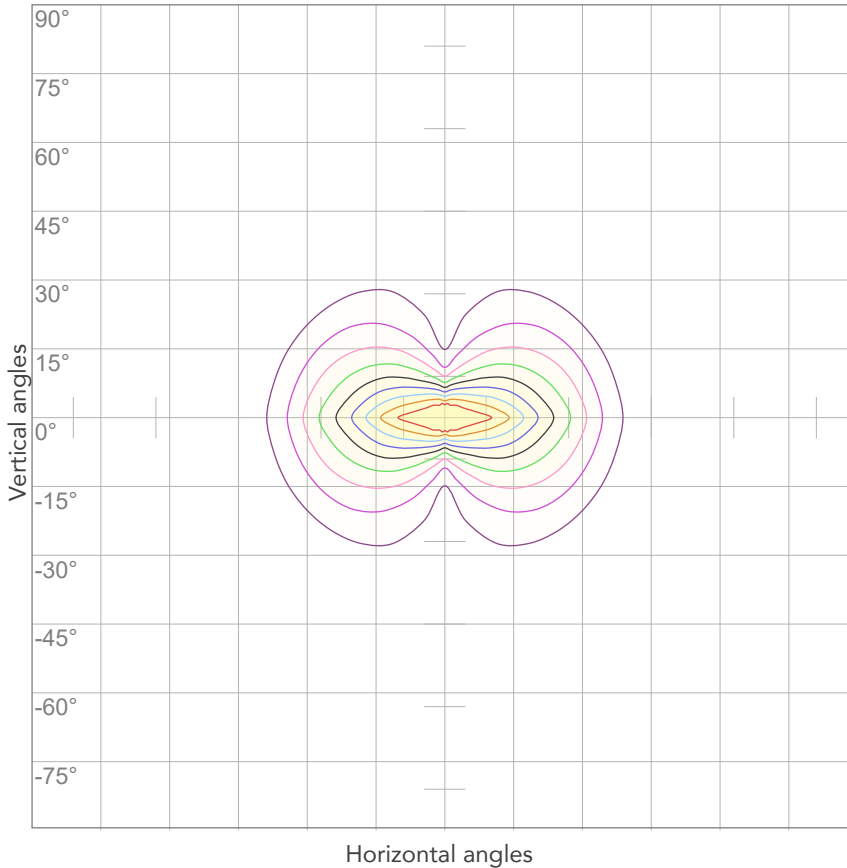


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,132A	28,0W	0,94	60lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



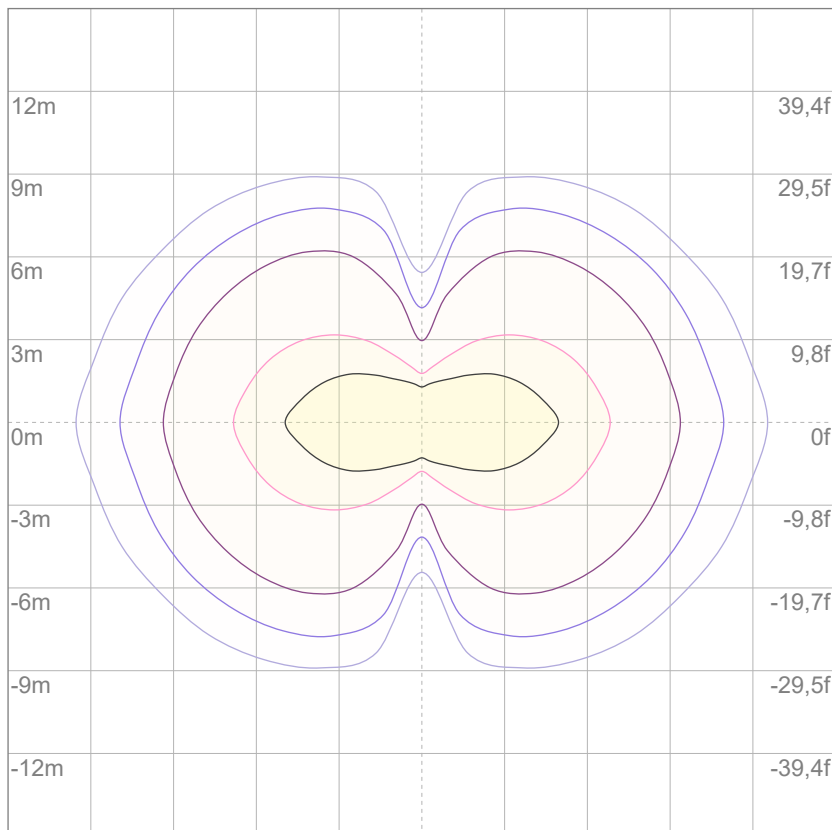
10%	343 cd
20%	686 cd
30%	1030 cd
40%	1373 cd
50%	1716 cd
60%	2059 cd
70%	2402 cd
80%	2745 cd

Conditions:

Number of c-planes: 4

Candela at center: 3432 cd

ISO LUX DIAGRAM



3%	1,03 lx
5%	1,72 lx
10%	3,43 lx
30%	10,3 lx
50%	17,2 lx

Conditions:

Number of c-planes: 4

Lux at center: 34,3 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1040 lm

Peak candela output:

1711 cd

Light quality:

CRI: 95,8

Color temperature:

2733 K

PRODUCT NAME:

ARCSPOTS VW

MEASUREMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

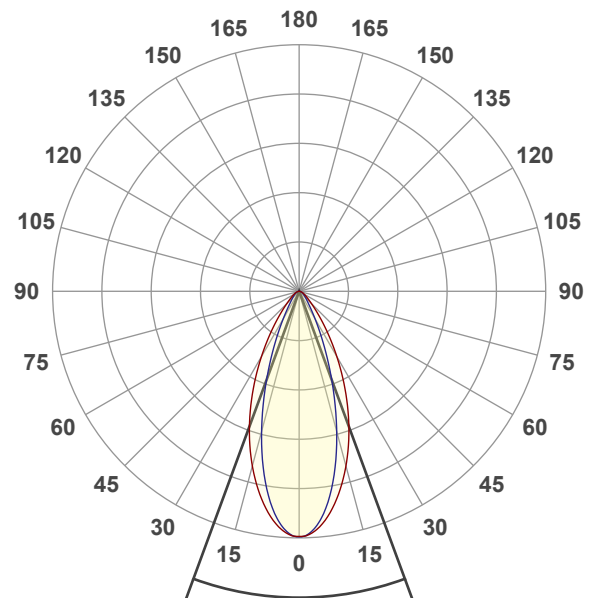
2700K

Operator:

Salvatore Giglio

Date and time:

20/02/2024 11:51:16

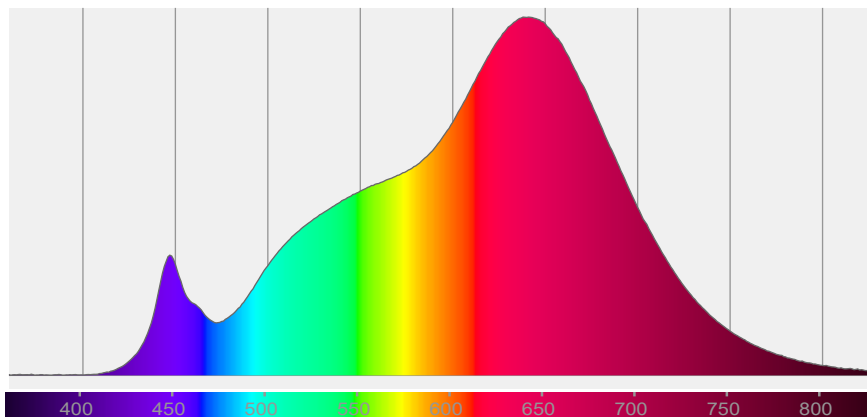


Beam angle 50%: 40,4°

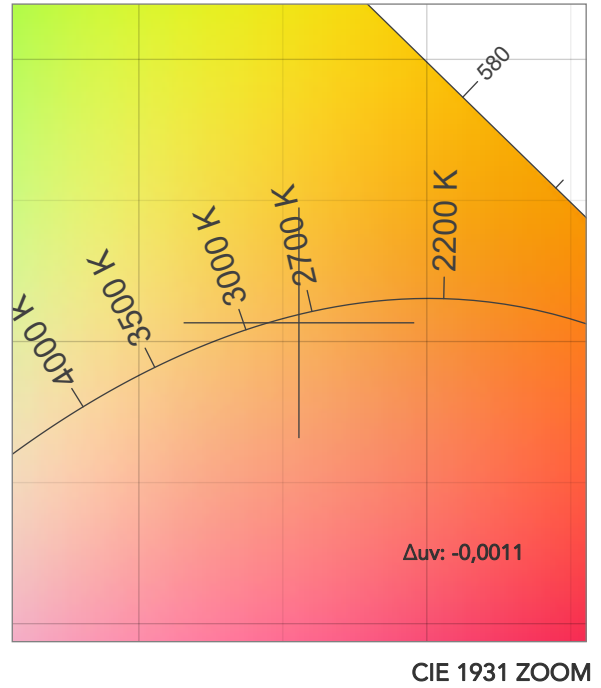
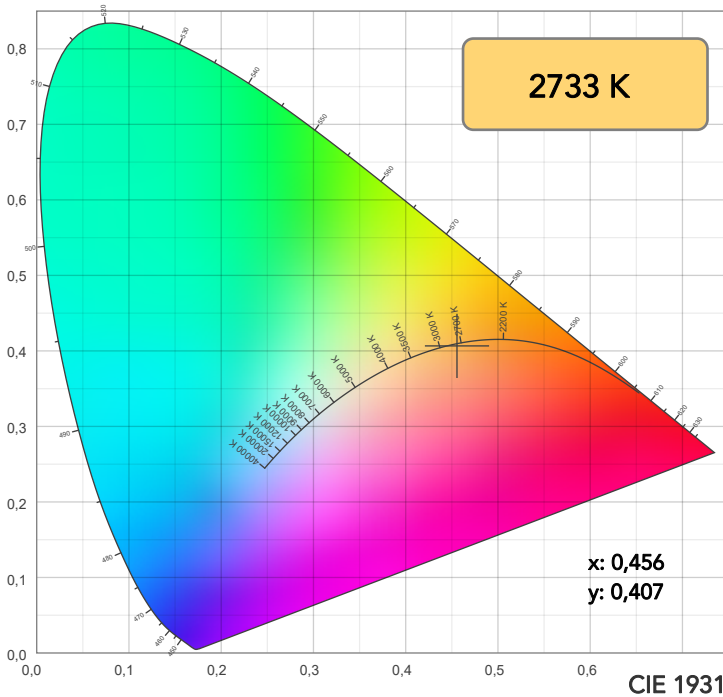
Field angle 10%: 73,9°

Cut off angle 2.5%: 111,8°

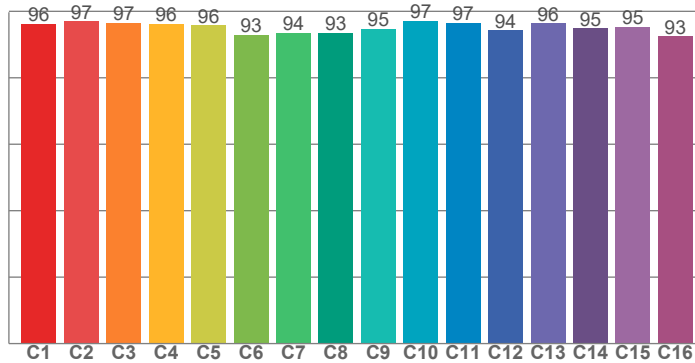
Spectra



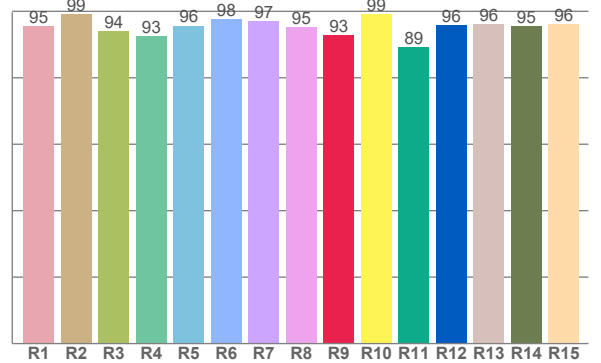
COLOR DETAILS



TM30: 95,5



CRI: 95,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,5	99,1	94,0	92,5	95,6	97,7	97,0	95,2	92,8	99,1	89,3	95,9	96,2	95,5	96,1

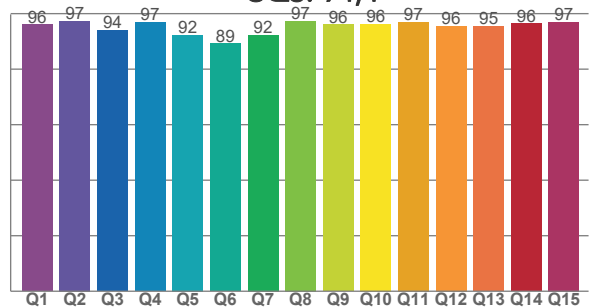
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,3	97,0	96,5	96,2	95,8	92,9	93,5	93,4	94,8	97,1	96,5	94,3	96,3	94,9	95,4	92,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,1	97,3	94,0	96,9	92,4	89,2	92,3	97,3	96,0	96,3	97,0	95,6	95,4	96,4	96,9

CQS: 94,4



COLOR PARAMETERS

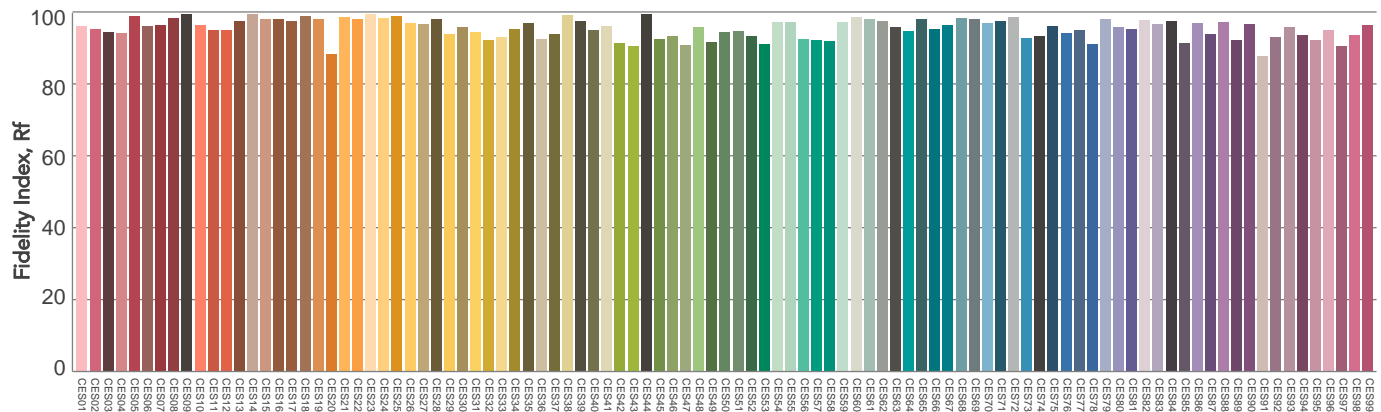
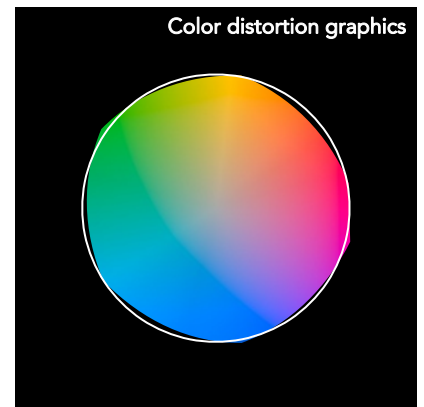
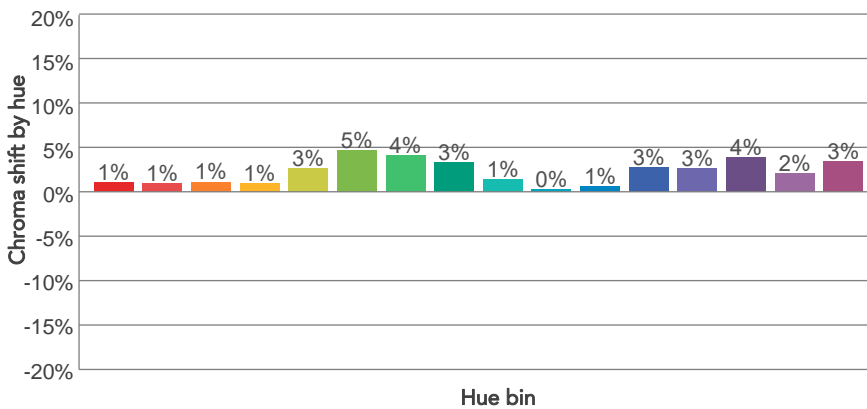
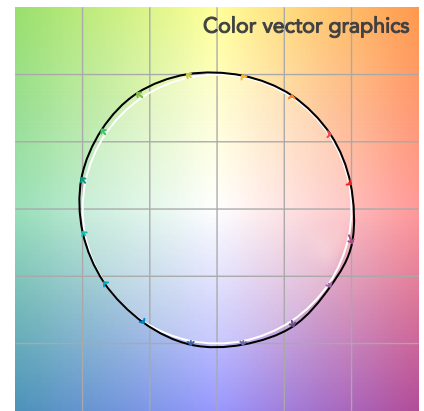
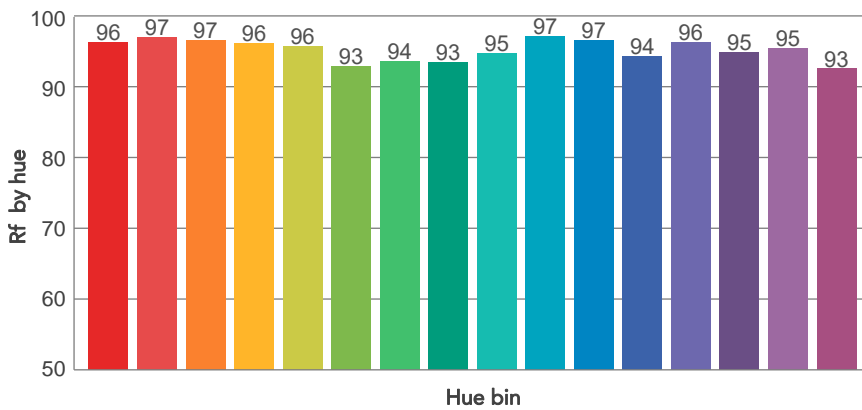
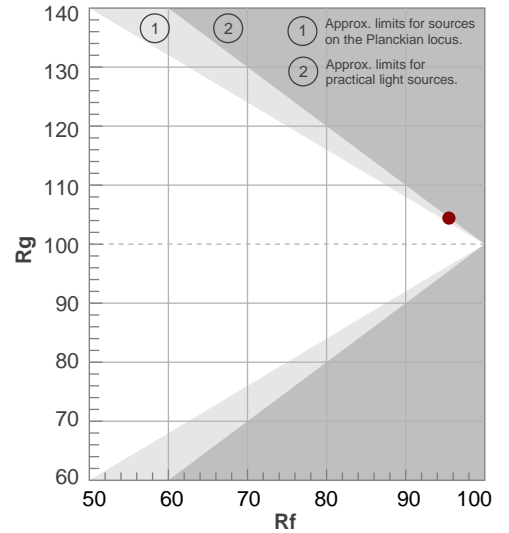
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2733 K	95,8	92,8	95,5	104,4	94,4	97	0,456	0,407	-0,0011

TM30 DETAILS

Rf 95,5
Fidelity index Rf

Rg 104,4
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-1%
2	97	1%	-1%
3	97	1%	1%
4	96	1%	1%
5	96	3%	2%
6	93	5%	2%
7	94	4%	-1%
8	93	3%	-3%
9	95	1%	-3%
10	97	0%	-1%
11	97	1%	2%
12	94	3%	1%
13	96	3%	-1%
14	95	4%	-1%
15	95	2%	-1%
16	93	3%	-5%

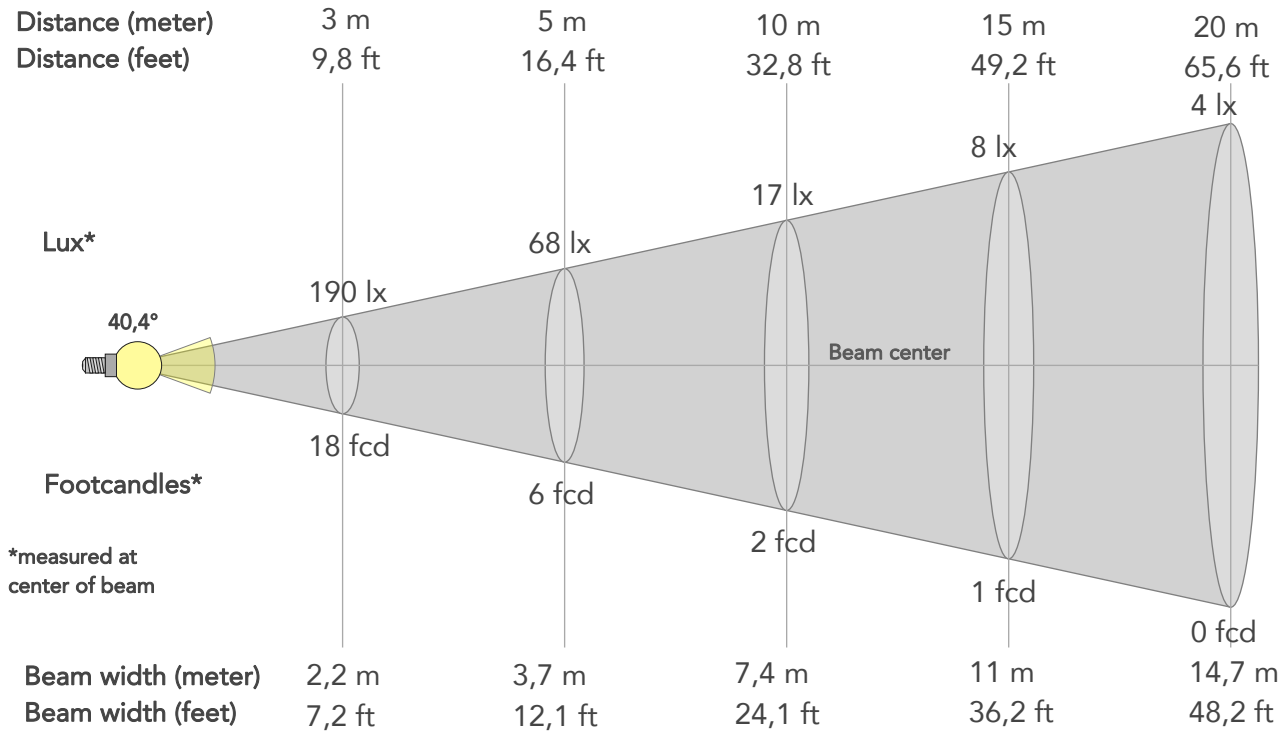


Color Evaluation Sample

BEAM DETAILS



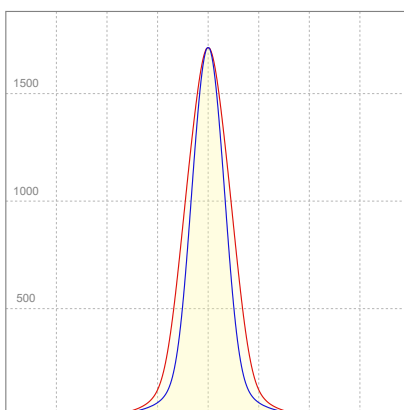
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40,4°	73,9°	111,8°	95,4%	88,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1711lx	428lx	190lx	107lx	68lx	30lx	17lx	8lx	4lx	3lx	2lx	1lx	1lx
Footcand.	159fcd	40fcd	18fcd	10fcd	6fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	2,9m	3,7m	5,5m	7,4m	11m	14,7m	18,4m	22,1m	29,4m	36,8m
Beam wid.	2,4ft	4,9ft	7,2ft	9,6ft	12,1ft	18,1ft	24,1ft	36,2ft	48,2ft	60,3ft	72,4ft	96,5ft	120,6ft

LINEAR DISTRIBUTION DIAGRAM

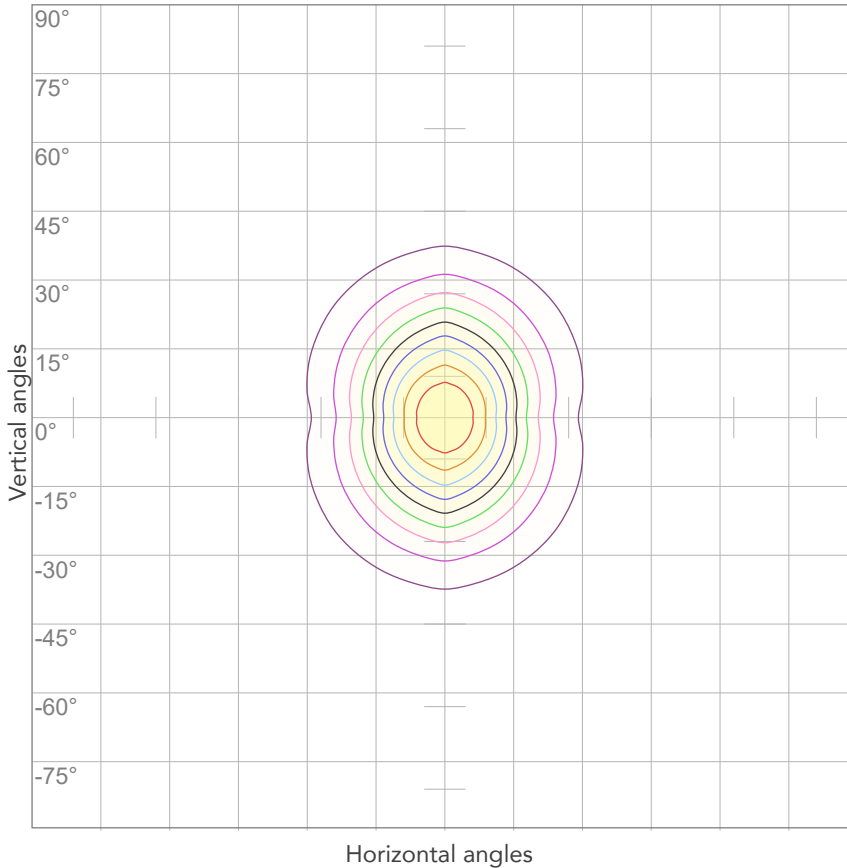


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,131A	28,0W	0,94	37lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



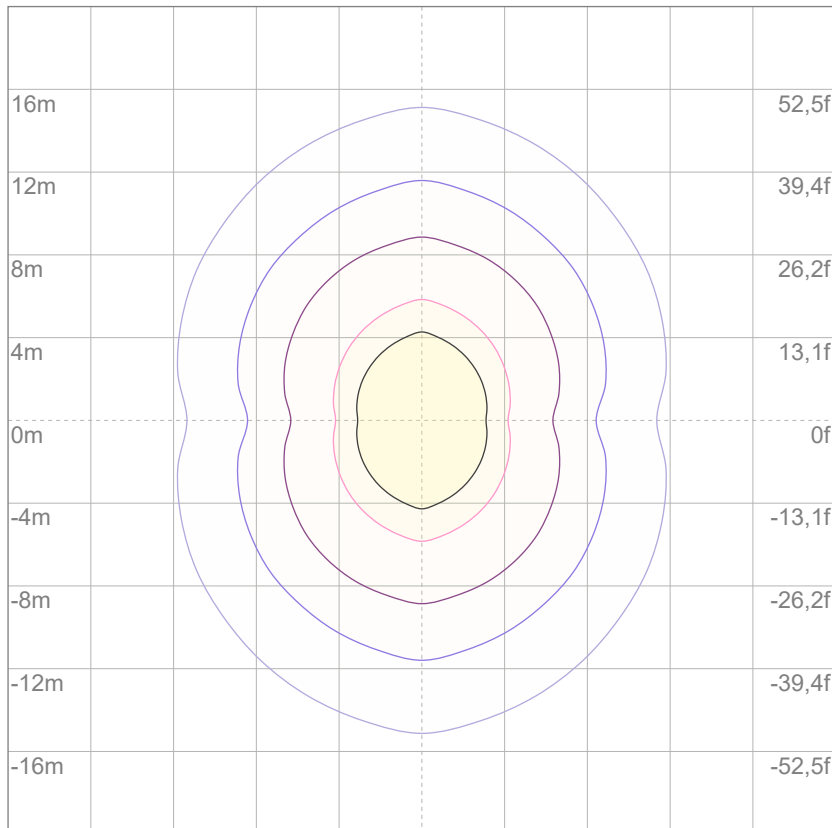
10%	171 cd
20%	342 cd
30%	513 cd
40%	684 cd
50%	855 cd
60%	1026 cd
70%	1197 cd
80%	1368 cd

Conditions:

Number of c-planes: 4

Candela at center: 1711 cd

ISO LUX DIAGRAM



3%	0,513 lx
5%	0,855 lx
10%	1,71 lx
30%	5,13 lx
50%	8,55 lx

Conditions:

Number of c-planes: 4

Lux at center: 17,1 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1515 lm

Peak candela output:

29776 cd

Light quality:

CRI: 94,1

Color temperature:

3217 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

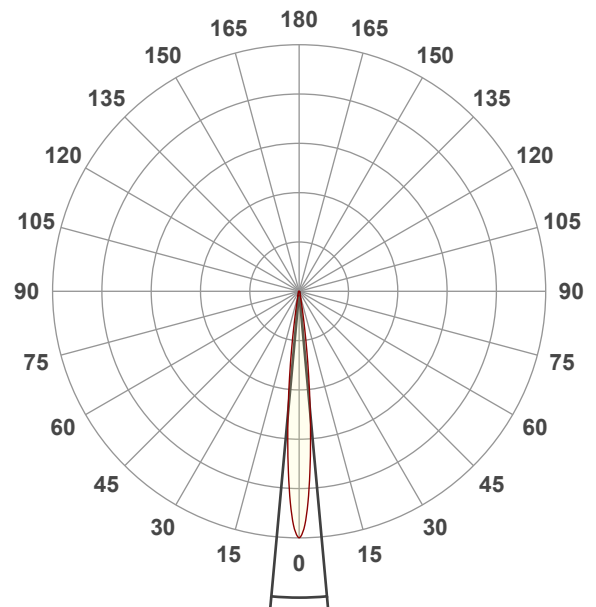
3200K

Operator:

Salvatore Giglio

Date and time:

19/02/2024 16:30:04

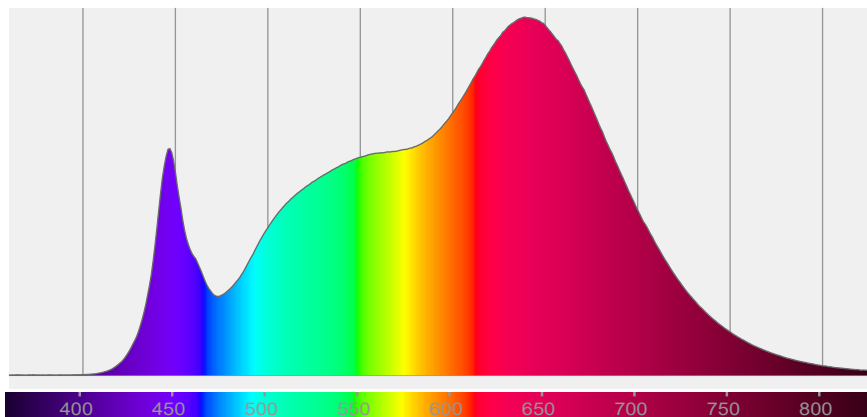


Beam angle 50%: 10,4°

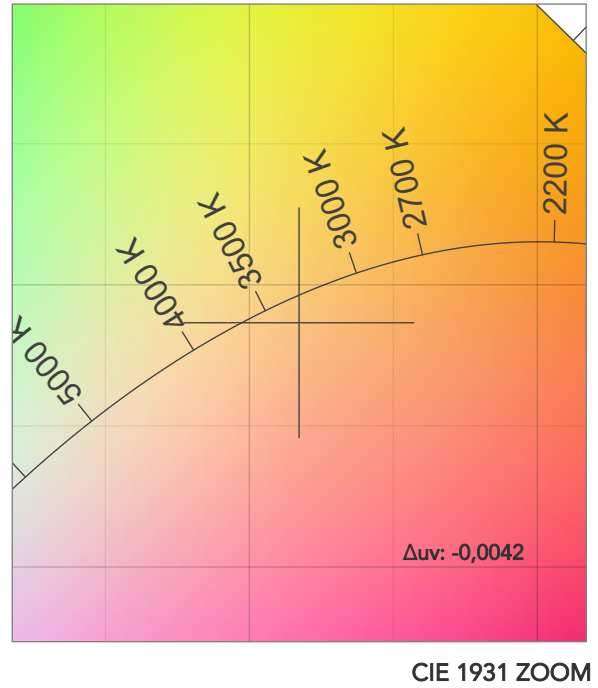
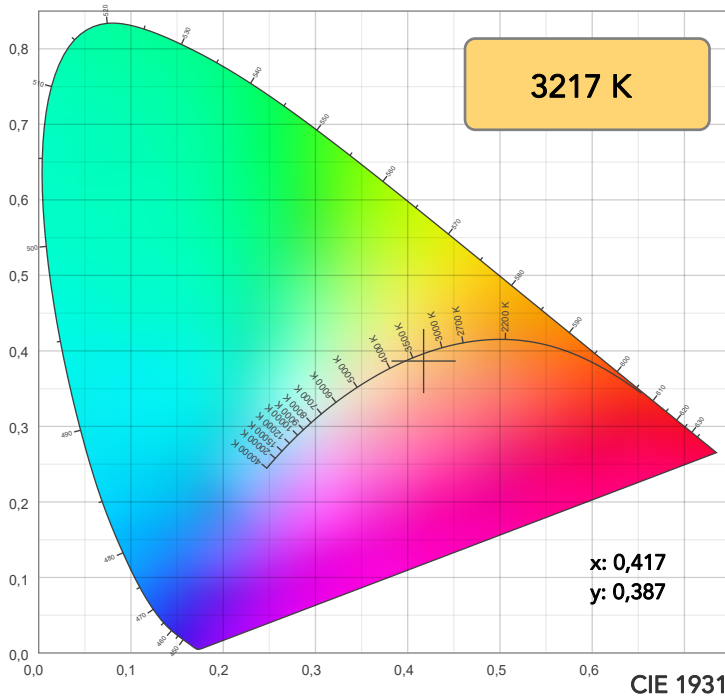
Field angle 10%: 18,7°

Cut off angle 2.5%: 27,6°

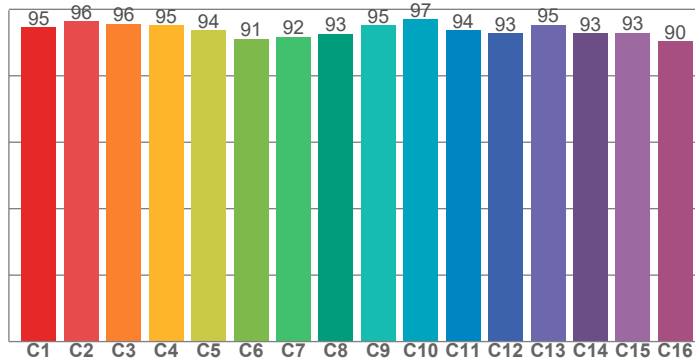
Spectra



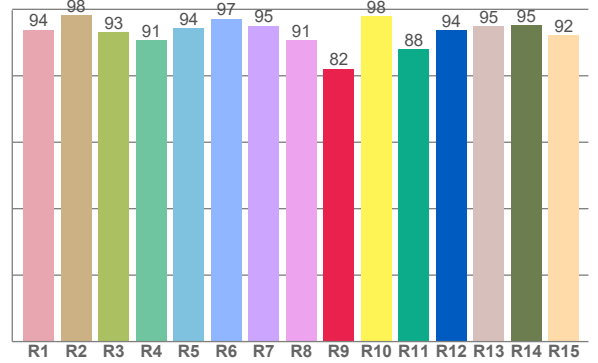
COLOR DETAILS



TM30: 94,1



CRI: 94,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,8	98,3	93,1	90,7	94,3	97,1	95,0	90,8	82,1	97,9	87,9	93,7	94,9	95,2	92,3

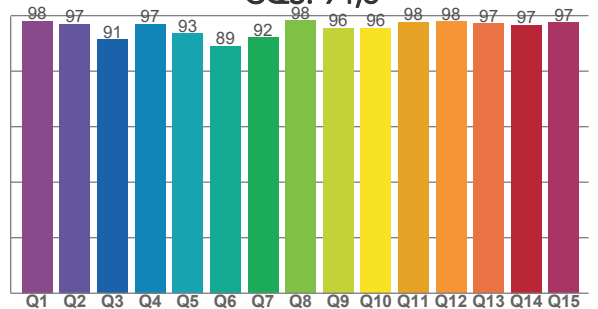
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,5	96,4	95,5	95,2	93,7	91,1	91,7	92,7	95,2	97,0	93,6	92,8	95,2	92,7	93,0	90,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,1	97,0	91,4	96,9	93,5	89,0	92,1	98,2	95,5	95,5	97,6	97,9	97,1	96,6	97,5

CQS: 94,6



COLOR PARAMETERS

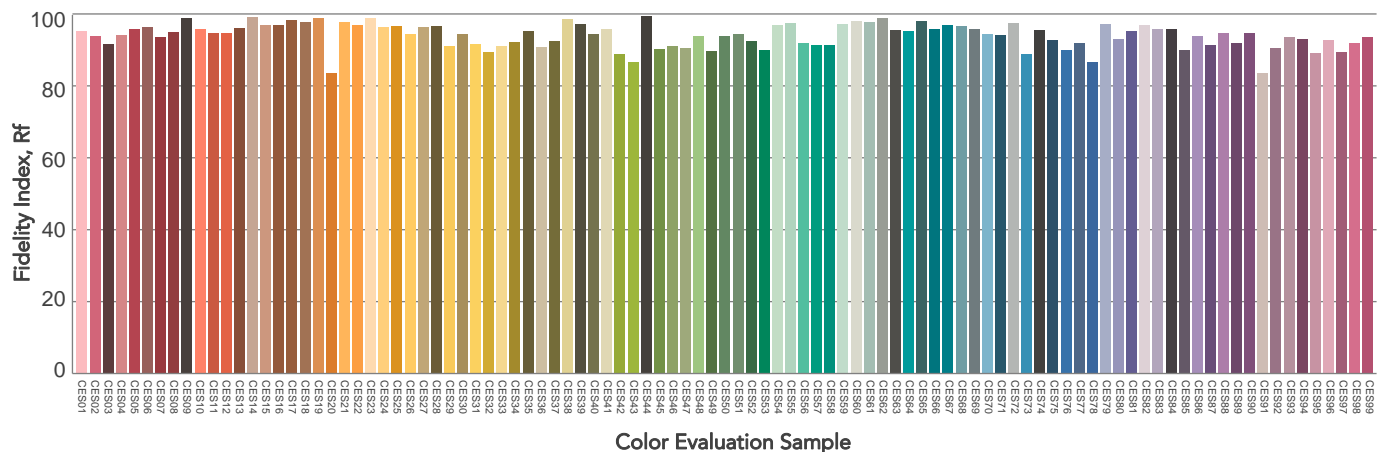
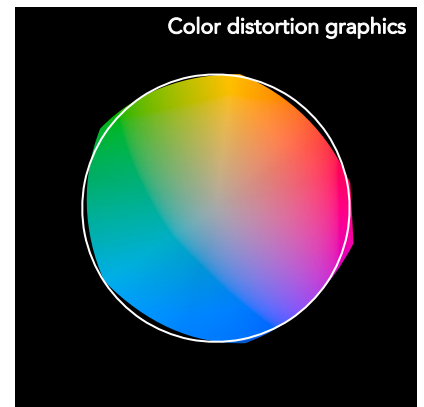
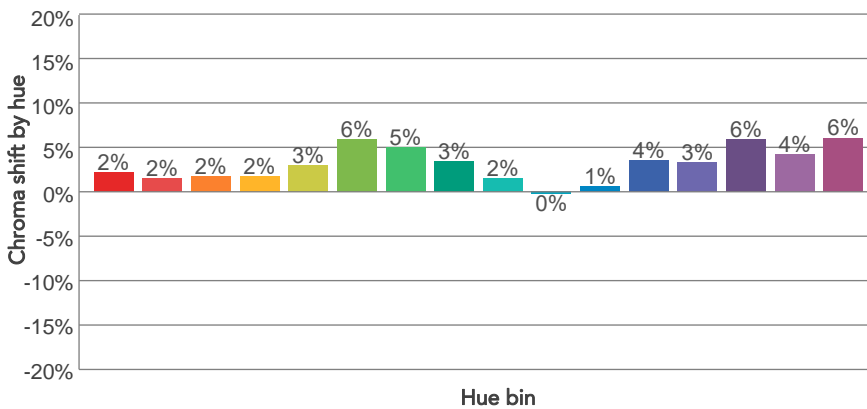
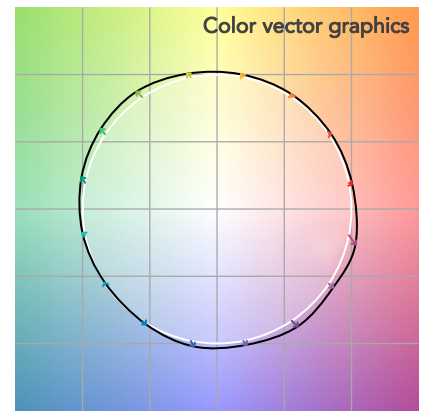
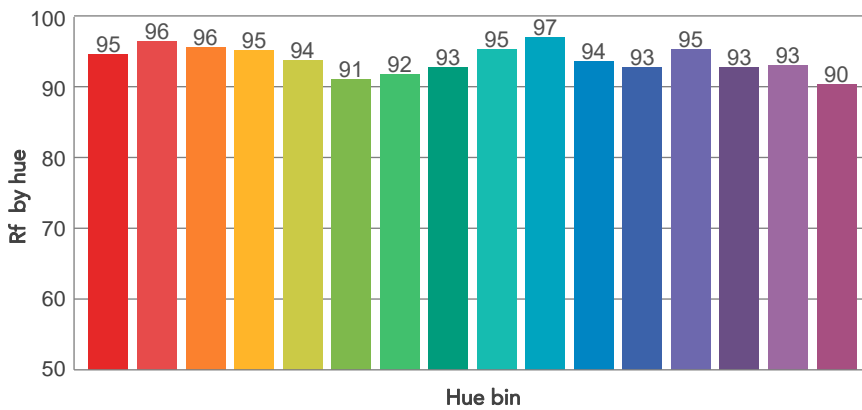
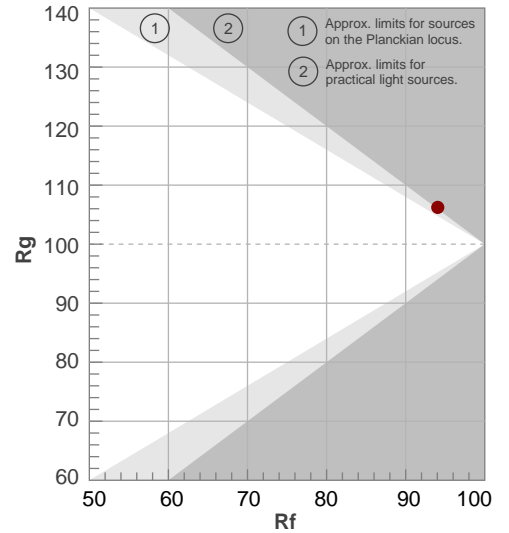
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3217 K	94,1	82,1	94,1	106,2	94,6	96	0,417	0,387	-0,0042

TM30 DETAILS

Rf 94,1
Fidelity index Rf

Rg 106,2
Gammut index

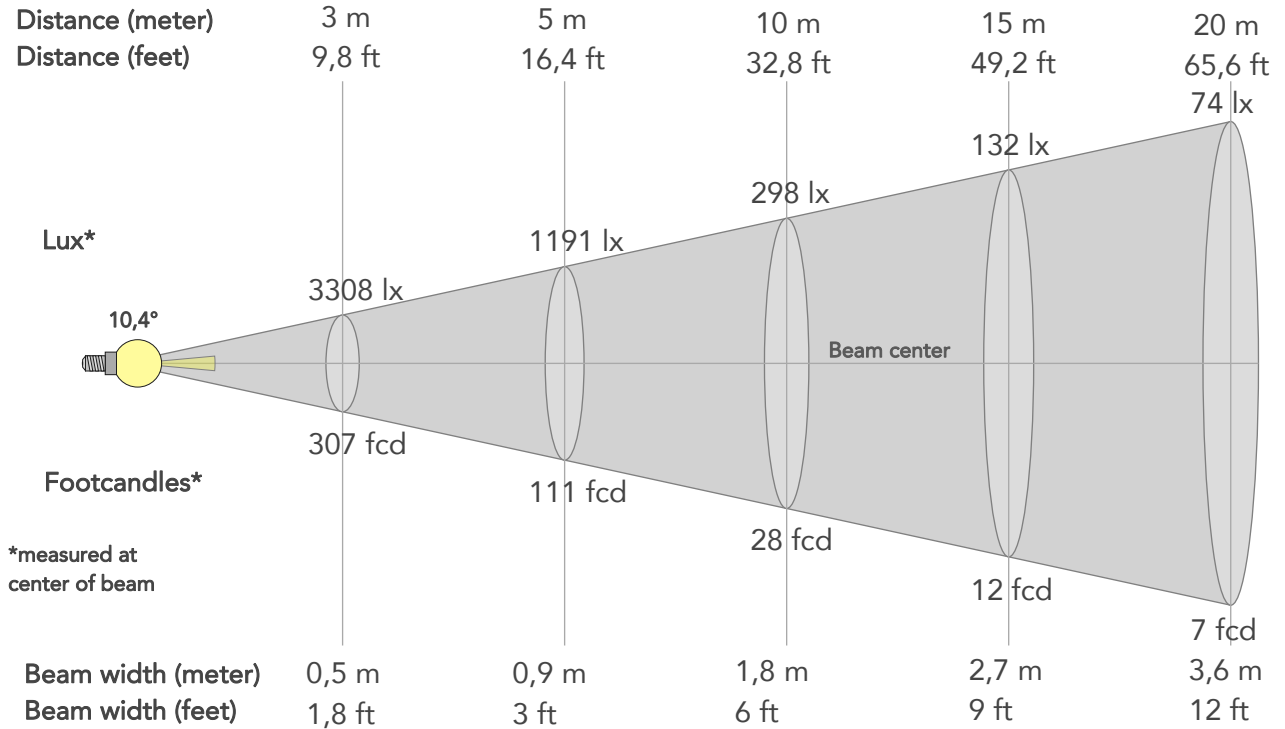
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-2%
2	96	2%	-1%
3	96	2%	1%
4	95	2%	2%
5	94	3%	2%
6	91	6%	1%
7	92	5%	-1%
8	93	3%	-3%
9	95	2%	-2%
10	97	0%	-1%
11	94	1%	4%
12	93	4%	3%
13	95	3%	2%
14	93	6%	1%
15	93	4%	0%
16	90	6%	-6%



BEAM DETAILS



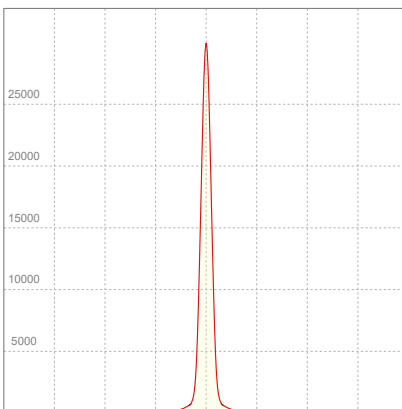
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,4°	18,7°	27,6°	97,7%	94,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	29776lx	7444lx	3308lx	1861lx	1191lx	529lx	298lx	132lx	74lx	48lx	33lx	19lx	12lx
Footcand.	2766fcd	692fcd	307fcd	173fcd	111fcd	49fcd	28fcd	12fcd	7fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,4m	1,8m	2,7m	3,6m	4,6m	5,5m	7,3m	9,1m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	6ft	9ft	12ft	15ft	17,9ft	23,9ft	29,9ft

LINEAR DISTRIBUTION DIAGRAM

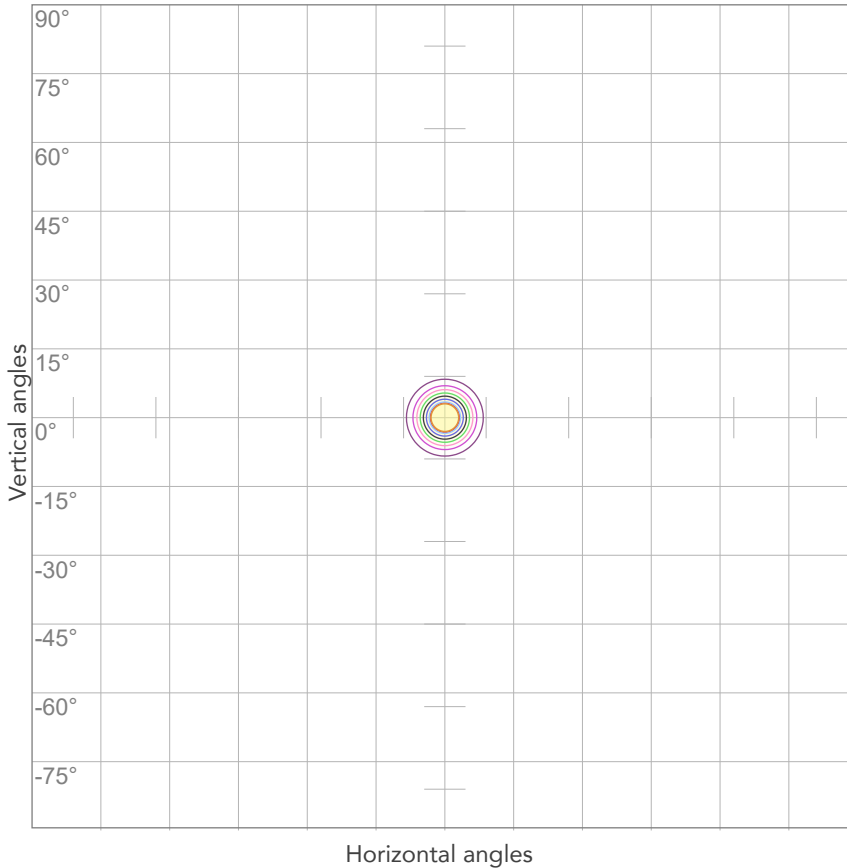


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,146A	31,7W	0,96	48lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



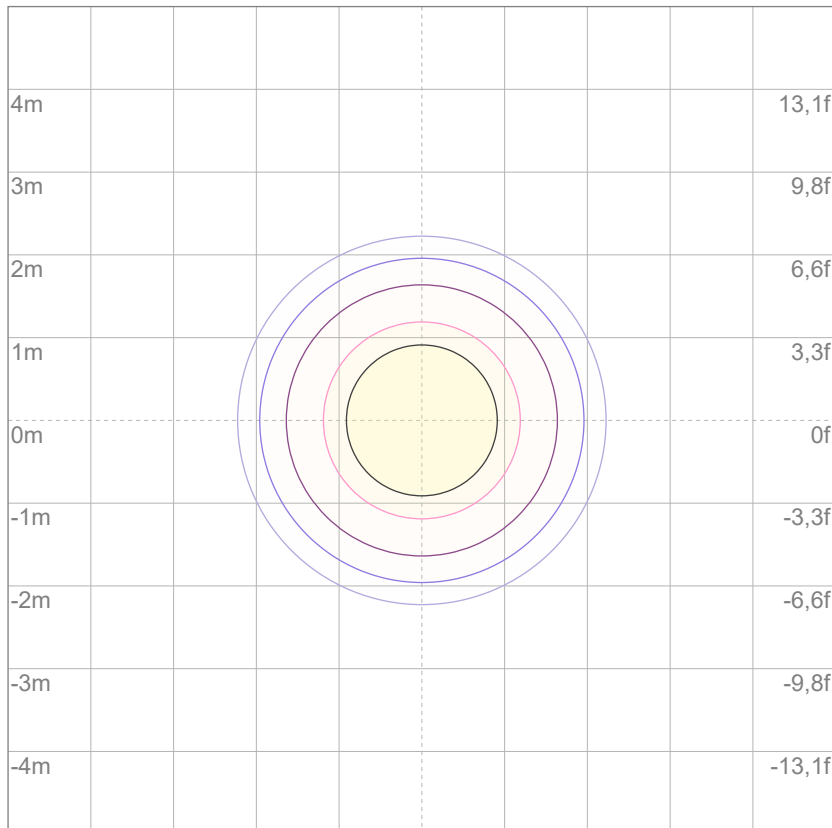
10%	2978 cd
20%	5955 cd
30%	8933 cd
40%	11911 cd
50%	14888 cd
60%	17866 cd
70%	20843 cd
80%	23821 cd

Conditions:

Number of c-planes: 2

Candela at center: 29776 cd

ISO LUX DIAGRAM



3%	8,93 lx
5%	14,9 lx
10%	29,8 lx
30%	89,3 lx
50%	149 lx

Conditions:

Number of c-planes: 2

Lux at center: 298 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1376 lm

Peak candela output:

5603 cd

Light quality:

CRI: 94,0

Color temperature:

3230 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

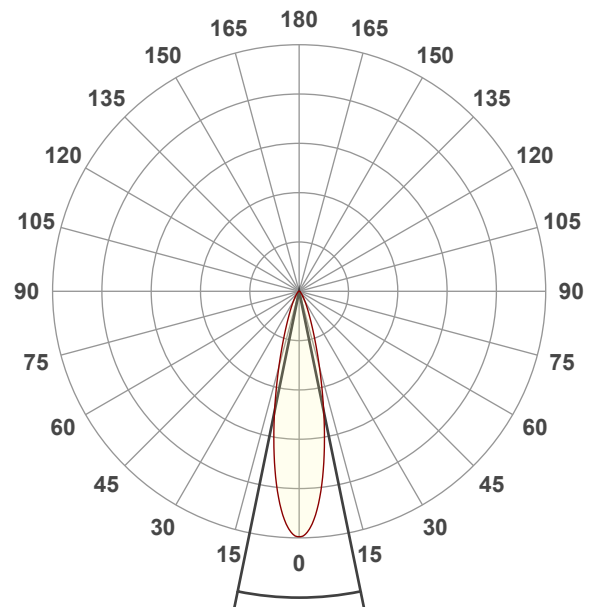
3200K

Operator:

Salvatore Giglio

Date and time:

19/02/2024 17:19:30

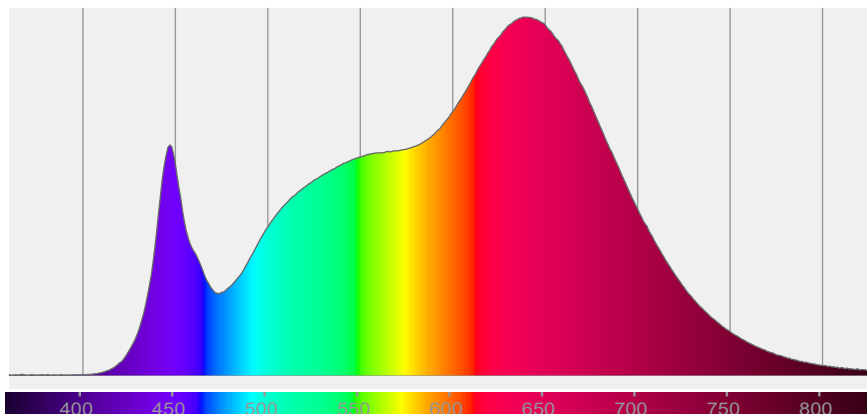


Beam angle 50%: 23,2°

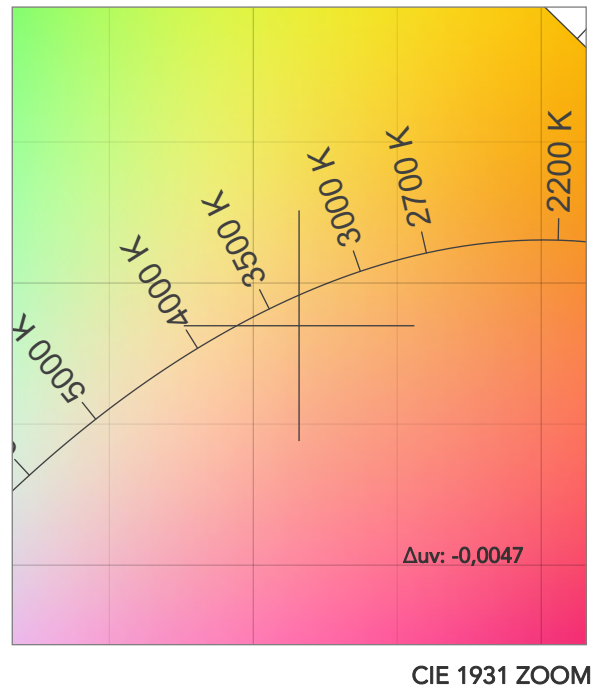
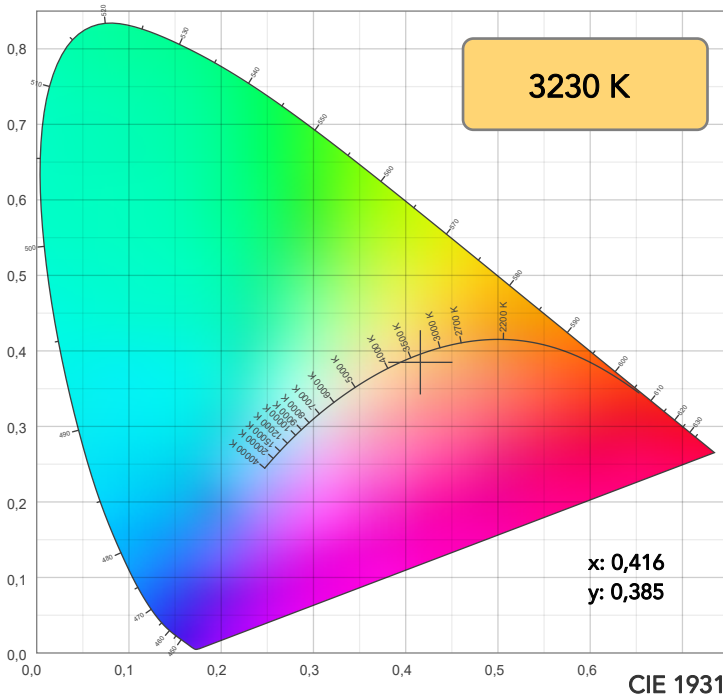
Field angle 10%: 46,9°

Cut off angle 2.5%: 72,9°

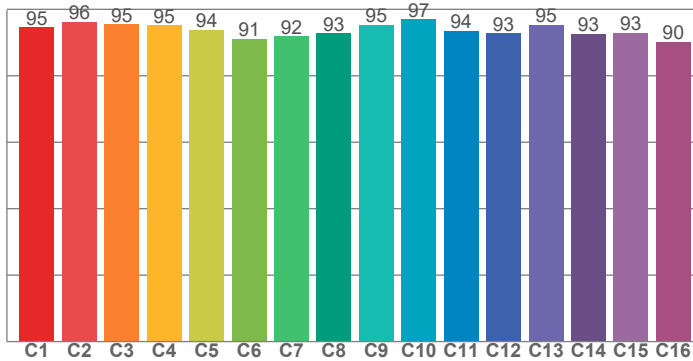
Spectra



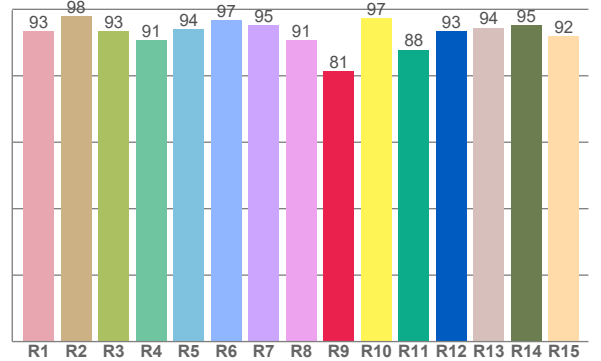
COLOR DETAILS



TM30: 94,0



CRI: 94,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,5	97,9	93,4	90,6	94,0	96,7	95,2	90,6	81,3	97,4	87,8	93,3	94,5	95,3	91,8

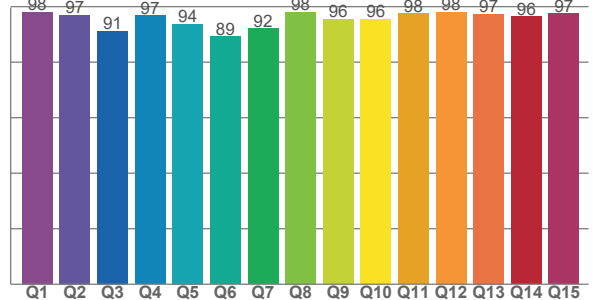
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,5	96,3	95,4	95,2	93,8	91,1	91,8	92,7	95,3	97,0	93,5	92,7	95,3	92,7	93,0	90,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,1	97,1	91,2	96,8	93,8	89,2	92,1	98,1	95,5	95,5	97,6	98,1	97,3	96,5	97,4

CQS: 94,6



COLOR PARAMETERS

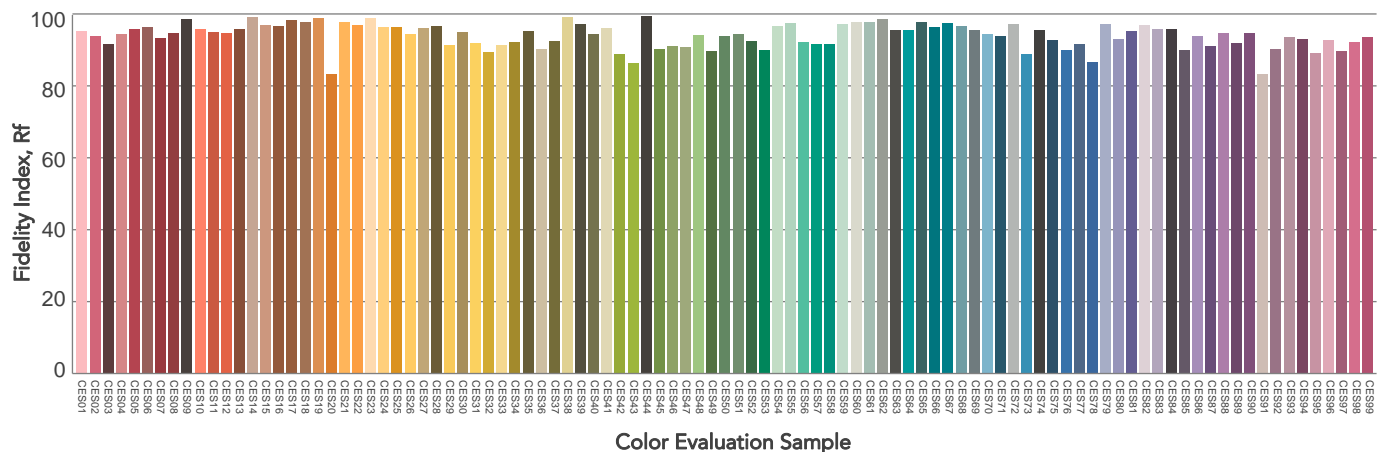
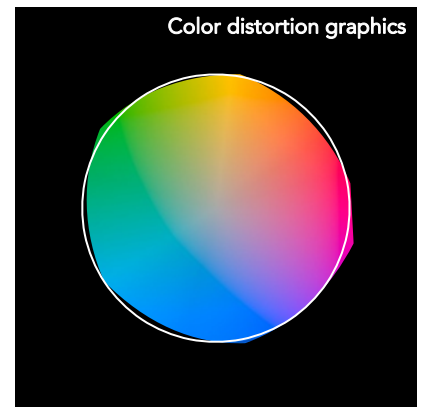
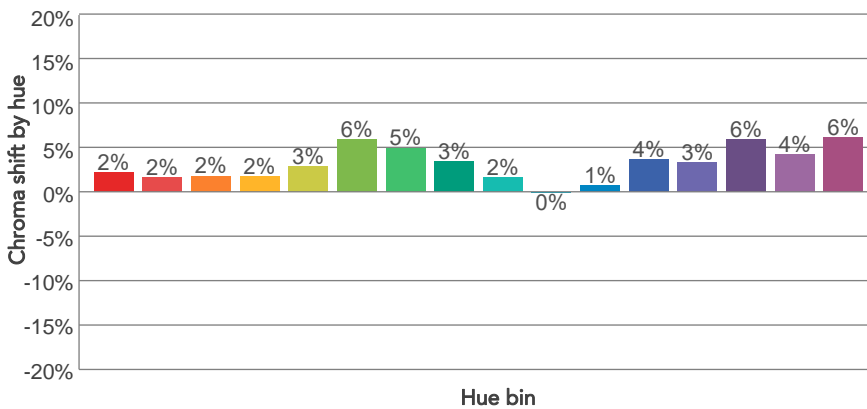
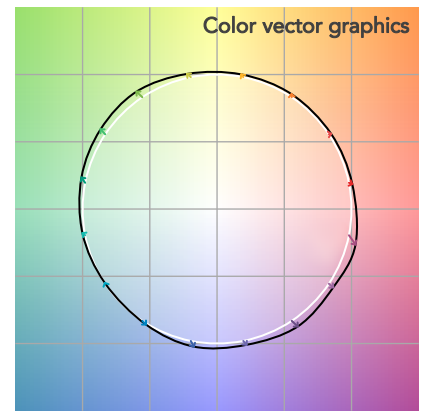
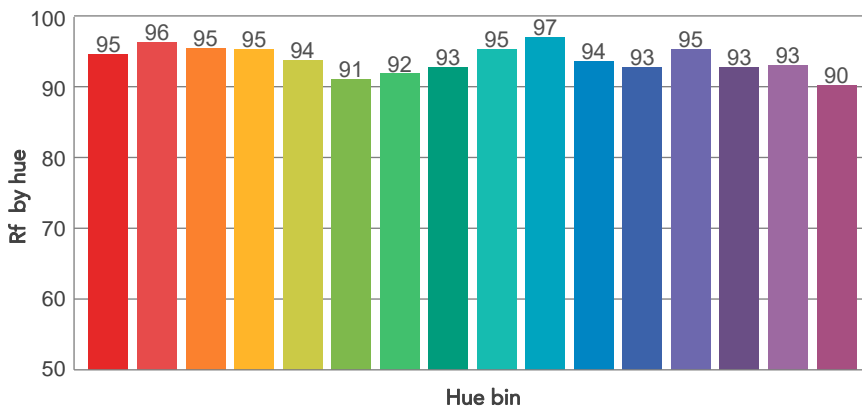
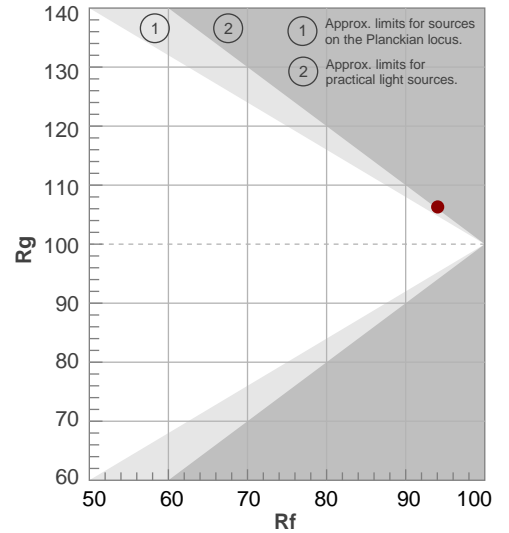
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3230 K	94,0	81,3	94,0	106,3	94,6	96	0,416	0,385	-0,0047

TM30 DETAILS

Rf 94,0
Fidelity index Rf

Rg 106,3
Gammut index

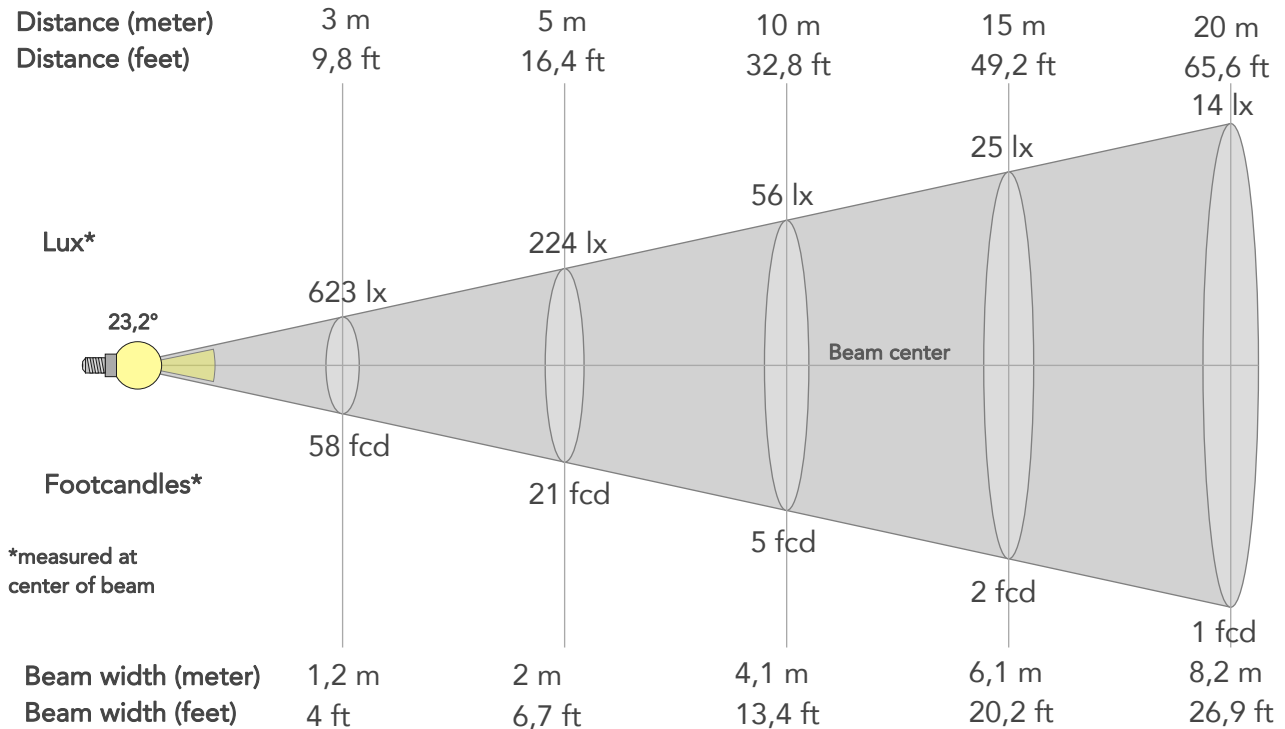
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	96	2%	-1%
3	95	2%	1%
4	95	2%	2%
5	94	3%	2%
6	91	6%	1%
7	92	5%	-1%
8	93	3%	-3%
9	95	2%	-2%
10	97	0%	-1%
11	94	1%	4%
12	93	4%	3%
13	95	3%	2%
14	93	6%	1%
15	93	4%	0%
16	90	6%	-6%



BEAM DETAILS



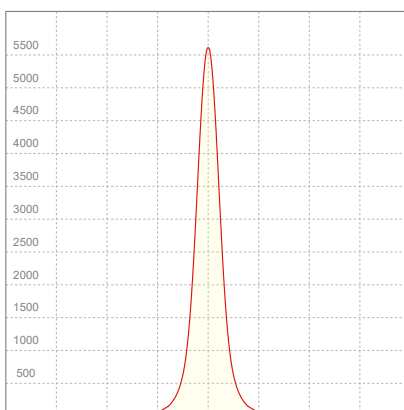
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,2°	46,9°	72,9°	97,0%	92,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5603lx	1401lx	623lx	350lx	224lx	100lx	56lx	25lx	14lx	9lx	6lx	4lx	2lx
Footcand.	520fcd	130fcd	58fcd	33fcd	21fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3,1m	4,1m	6,1m	8,2m	10,2m	12,3m	16,4m	20,5m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,7ft	10,1ft	13,4ft	20,2ft	26,9ft	33,6ft	40,3ft	53,7ft	67,2ft

LINEAR DISTRIBUTION DIAGRAM

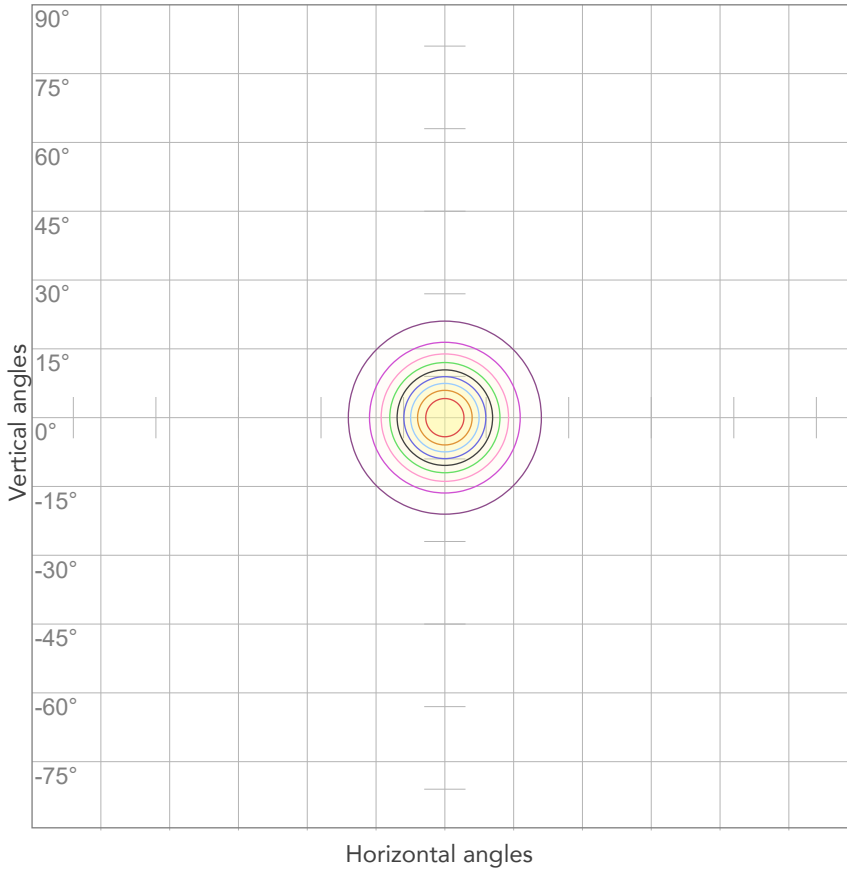


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,145A	31,4W	0,96	44lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



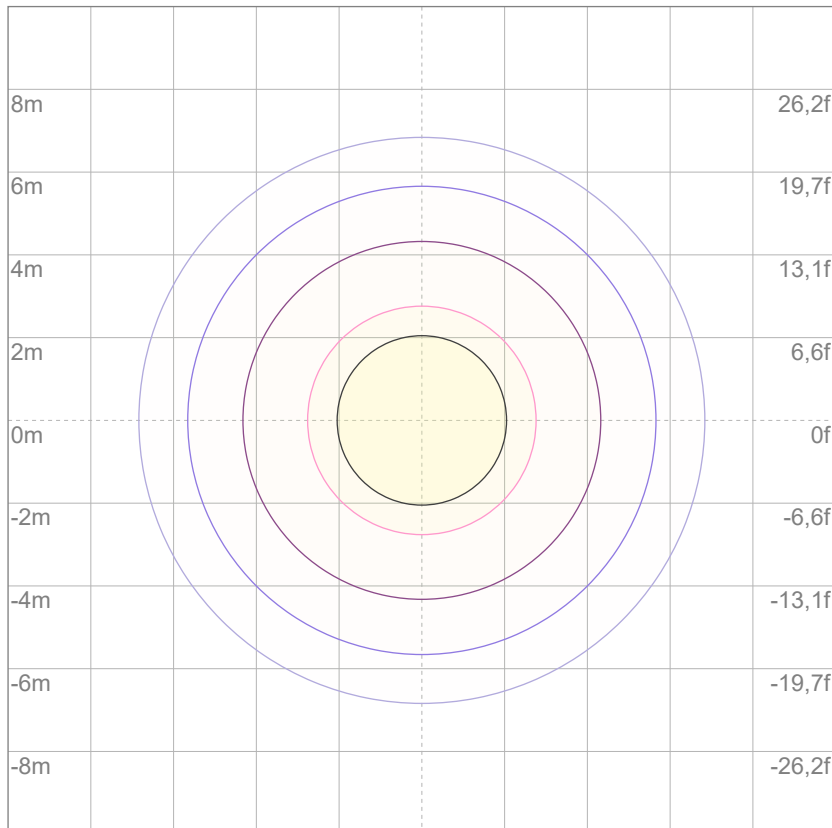
10%	560 cd
20%	1121 cd
30%	1681 cd
40%	2241 cd
50%	2801 cd
60%	3362 cd
70%	3922 cd
80%	4482 cd

Conditions:

Number of c-planes: 2

Candela at center: 5603 cd

ISO LUX DIAGRAM



3%	1,68 lx
5%	2,80 lx
10%	5,60 lx
30%	16,8 lx
50%	28,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 56,0 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.



Total lumen output:

1317 lm

Peak candela output:

1631 cd

Light quality:

CRI: 93,9

Color temperature:

3233 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

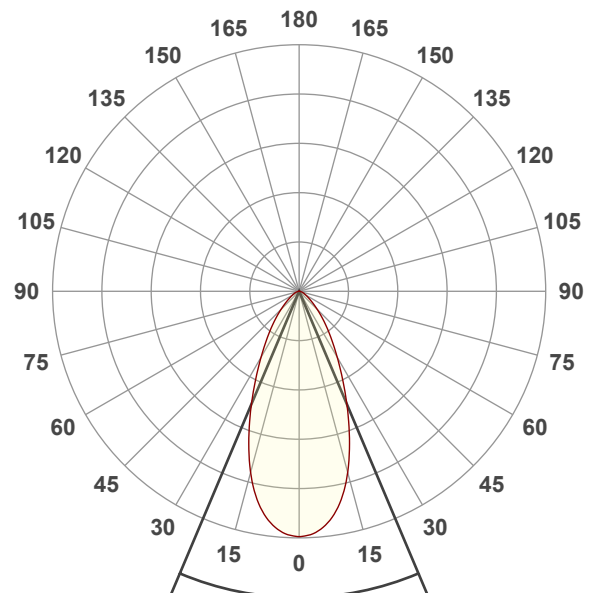
3200K

Operator:

Salvatore Giglio

Date and time:

19/02/2024 17:41:55

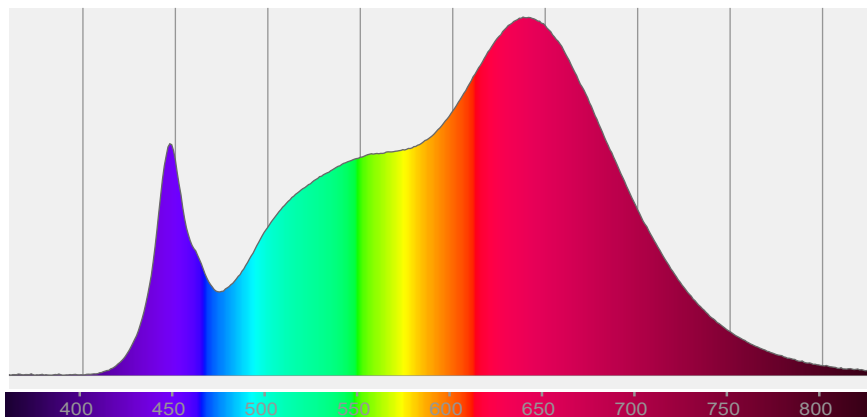


Beam angle 50%: 45,8°

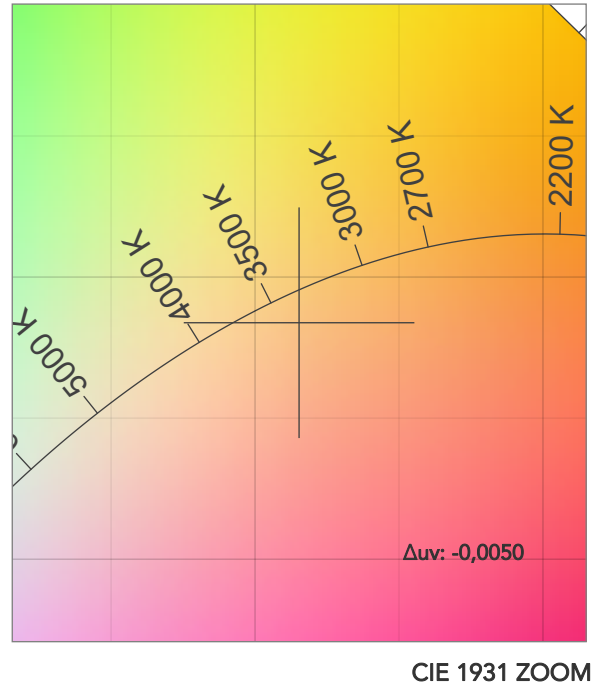
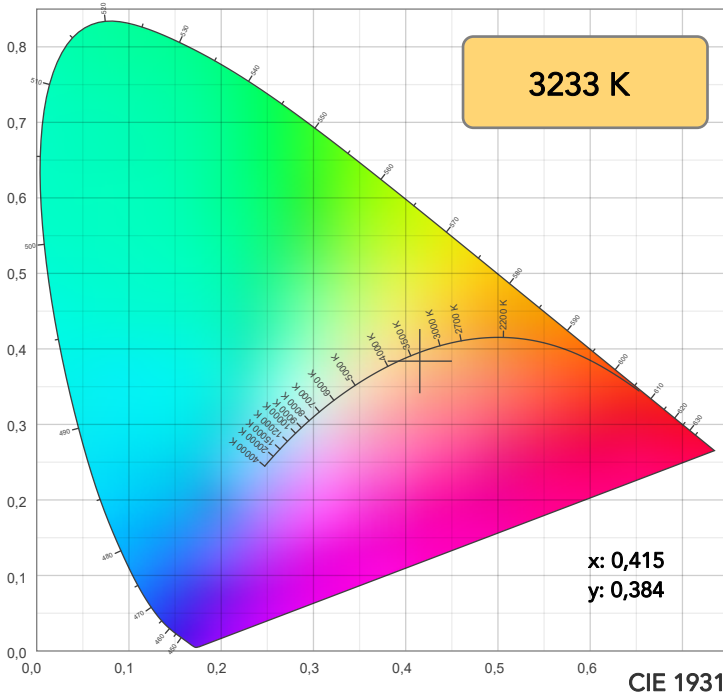
Field angle 10%: 91,1°

Cut off angle 2.5%: 128°

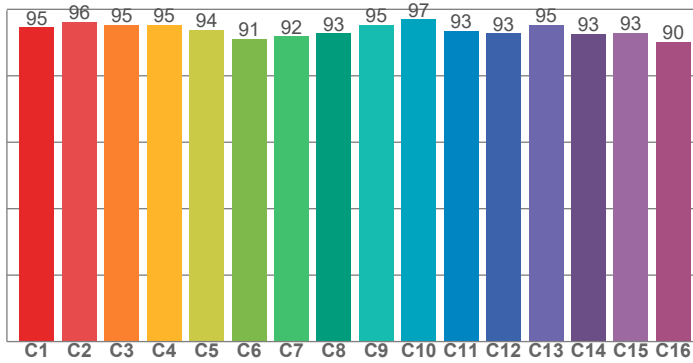
Spectra



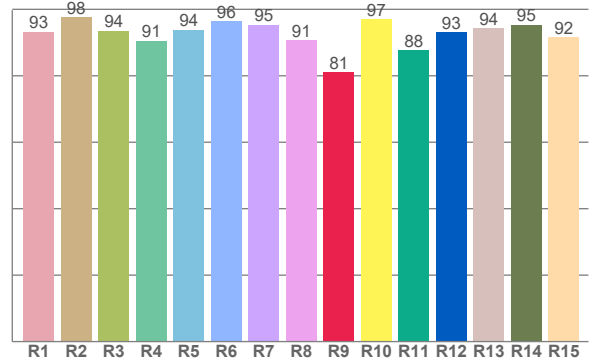
COLOR DETAILS



TM30: 94,0



CRI: 93,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,3	97,7	93,5	90,6	93,8	96,5	95,4	90,6	81,1	97,0	87,7	93,1	94,2	95,4	91,6

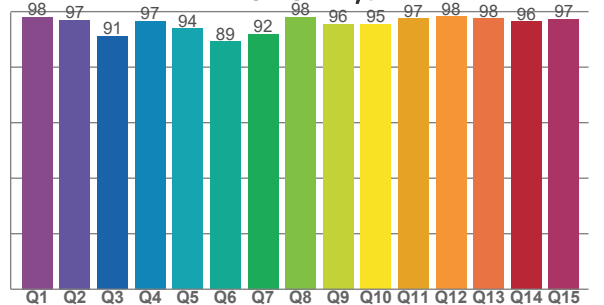
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,5	96,3	95,3	95,2	93,8	91,1	91,8	92,8	95,3	97,0	93,5	92,7	95,3	92,7	92,9	90,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,1	97,1	91,1	96,7	93,9	89,3	92,0	98,1	95,5	95,5	97,4	98,3	97,5	96,4	97,4

CQS: 94,6



COLOR PARAMETERS

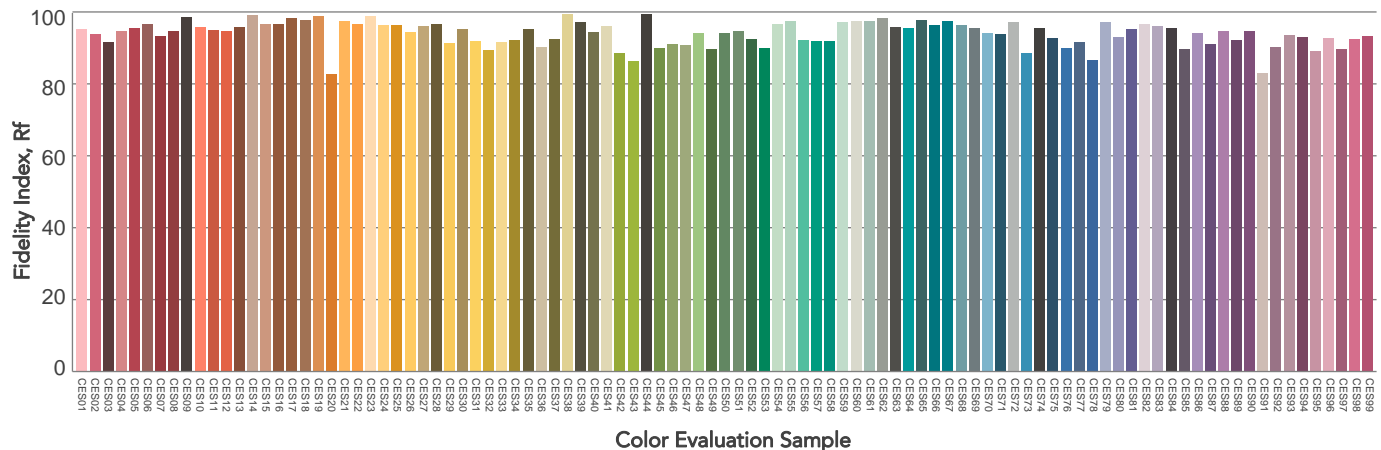
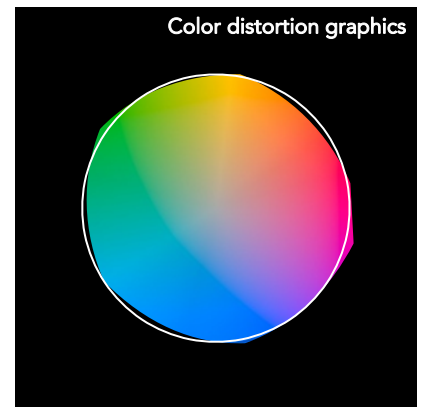
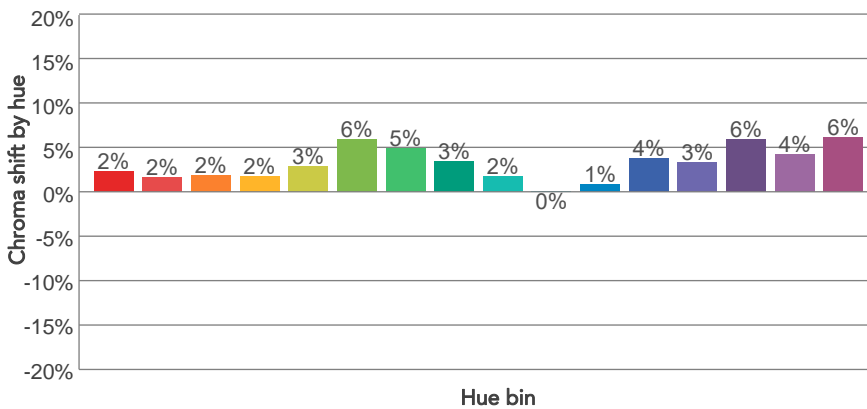
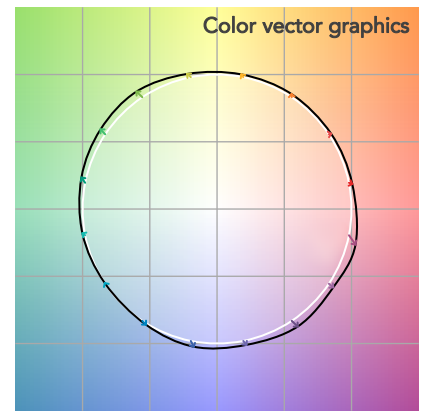
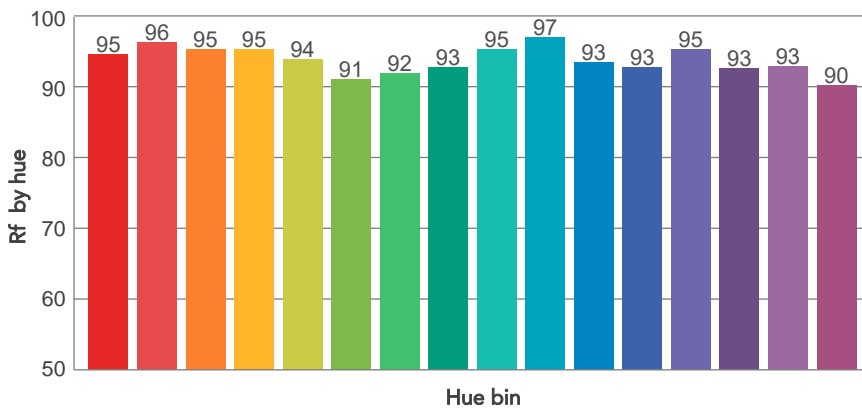
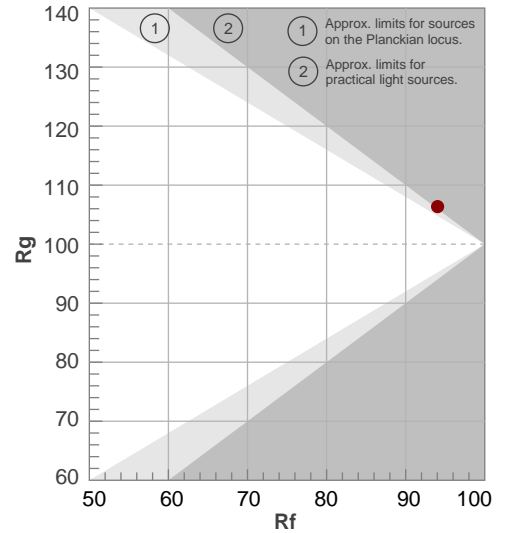
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3233 K	93,9	81,1	94,0	106,4	94,6	96	0,415	0,384	-0,0050

TM30 DETAILS

Rf 94,0
Fidelity index Rf

Rg 106,4
Gammut index

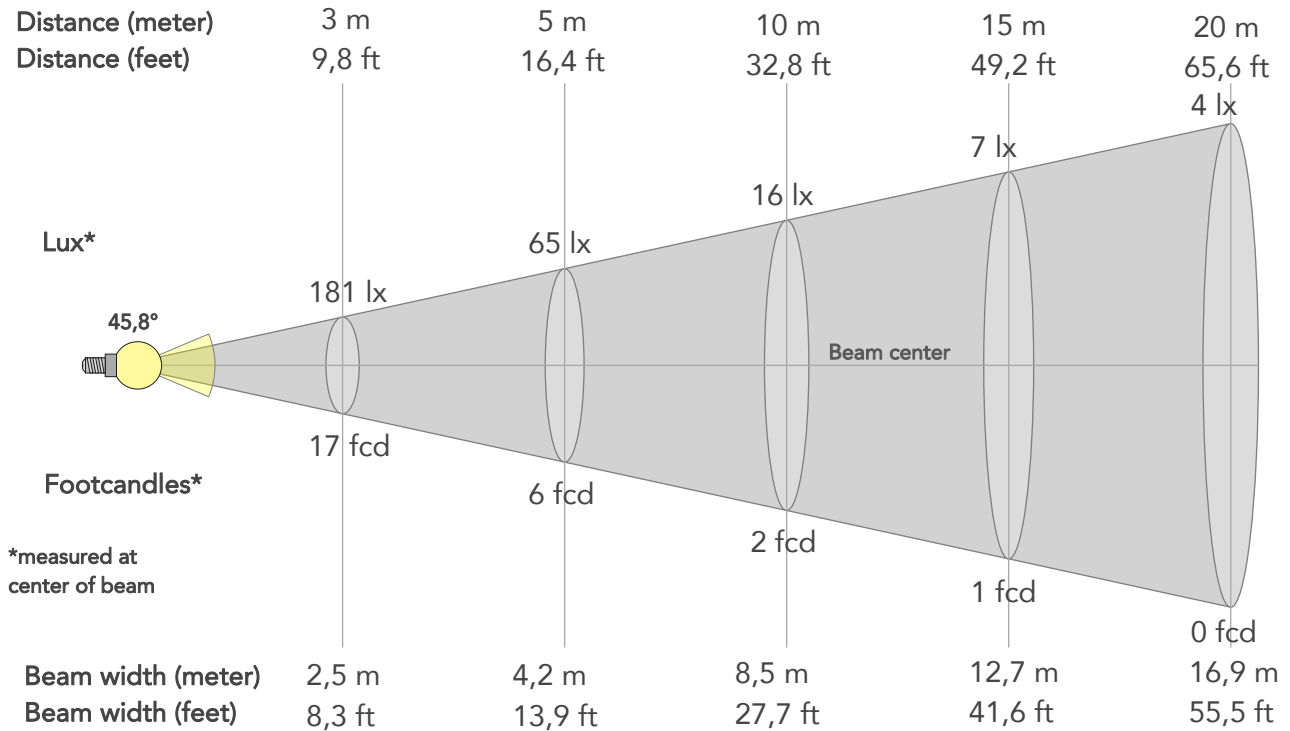
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	96	2%	-1%
3	95	2%	1%
4	95	2%	2%
5	94	3%	2%
6	91	6%	1%
7	92	5%	-1%
8	93	3%	-3%
9	95	2%	-2%
10	97	0%	-1%
11	93	1%	4%
12	93	4%	3%
13	95	3%	2%
14	93	6%	1%
15	93	4%	0%
16	90	6%	-6%



BEAM DETAILS



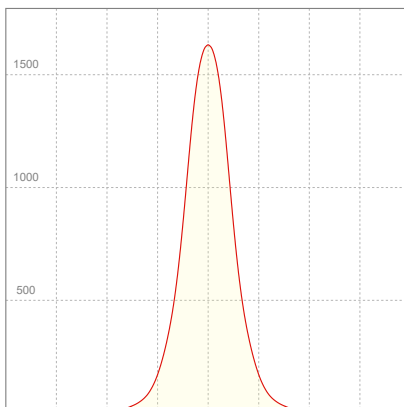
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,8°	91,1°	128°	94,9%	85,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1631lx	408lx	181lx	102lx	65lx	29lx	16lx	7lx	4lx	3lx	2lx	1lx	1lx
Footcand.	151fcd	38fcd	17fcd	9fcd	6fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,4m	4,2m	6,3m	8,5m	12,7m	16,9m	21,1m	25,4m	33,8m	42,3m
Beam wid.	2,8ft	5,6ft	8,3ft	11,1ft	13,9ft	20,8ft	27,7ft	41,6ft	55,5ft	69,4ft	83,2ft	111ft	138,7ft

LINEAR DISTRIBUTION DIAGRAM

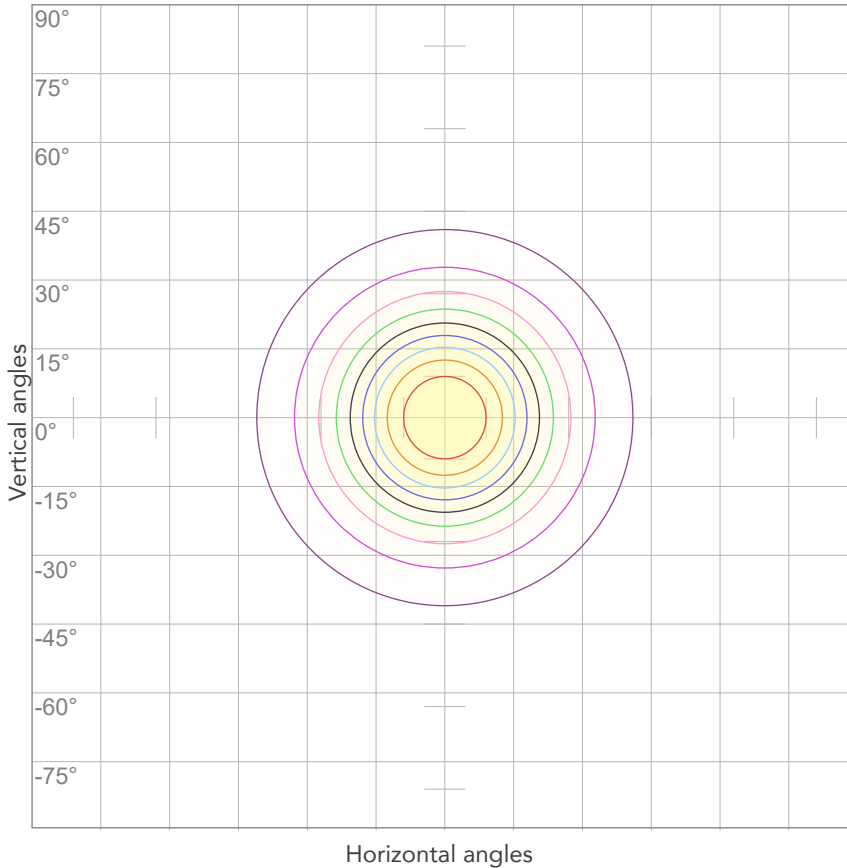


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,145A	31,2W	0,95	42lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



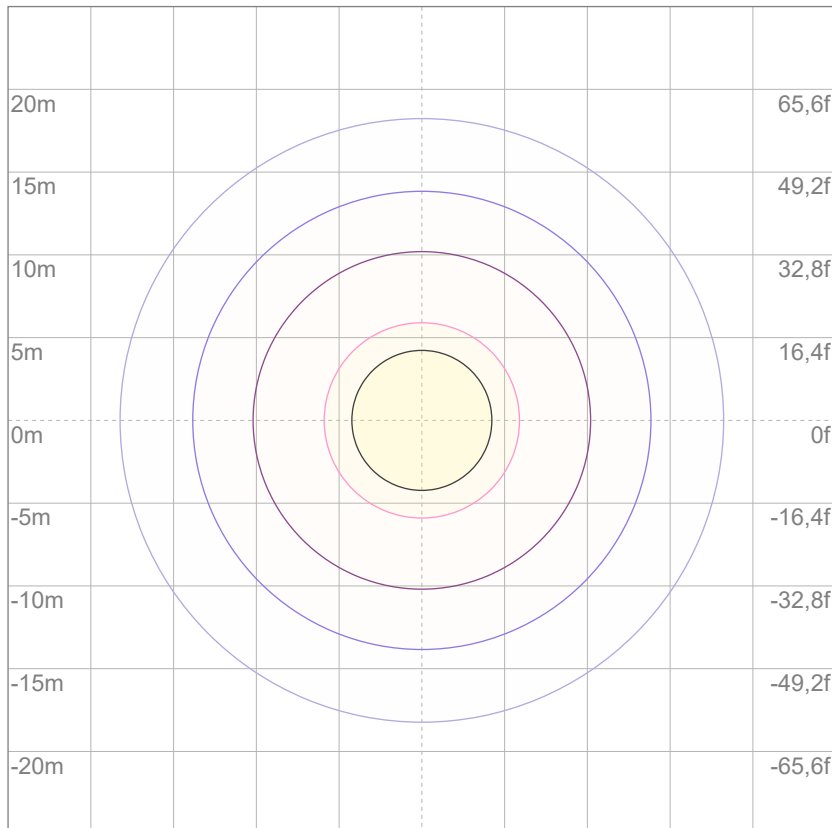
10%	163 cd
20%	326 cd
30%	489 cd
40%	652 cd
50%	815 cd
60%	978 cd
70%	1141 cd
80%	1304 cd

Conditions:

Number of c-planes: 2

Candela at center: 1631 cd

ISO LUX DIAGRAM



3%	0,489 lx
5%	0,815 lx
10%	1,63 lx
30%	4,89 lx
50%	8,15 lx

Conditions:

Number of c-planes: 2

Lux at center: 16,3 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1329 lm

Peak candela output:

1213 cd

Light quality:

CRI: 94,2

Color temperature:

3256 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

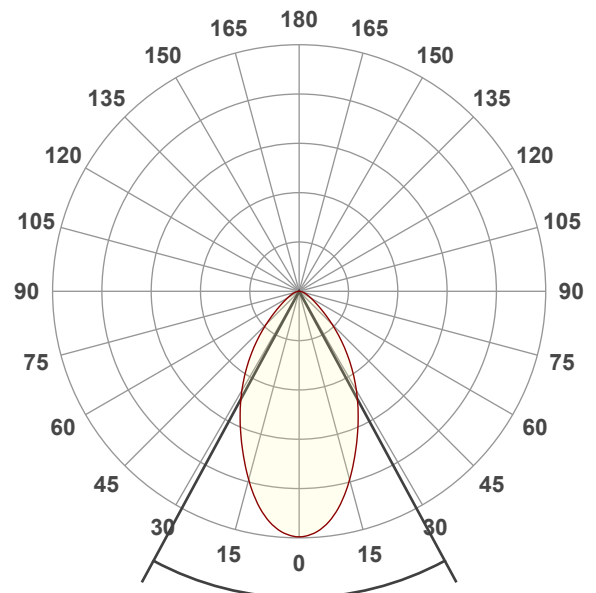
3200K

Operator:

Salvatore Giglio

Date and time:

20/02/2024 09:21:45

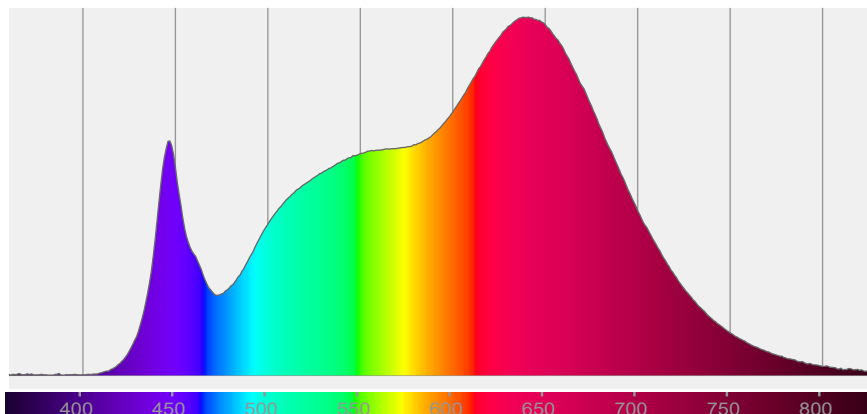


Beam angle 50%: 56,8°

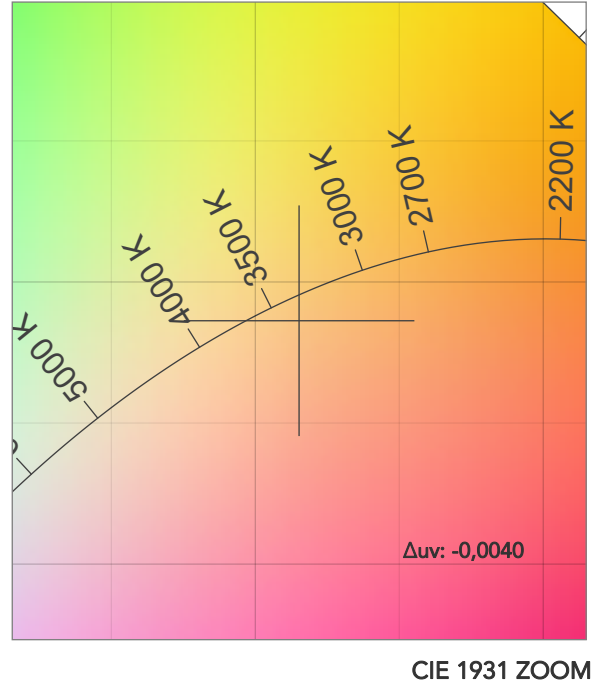
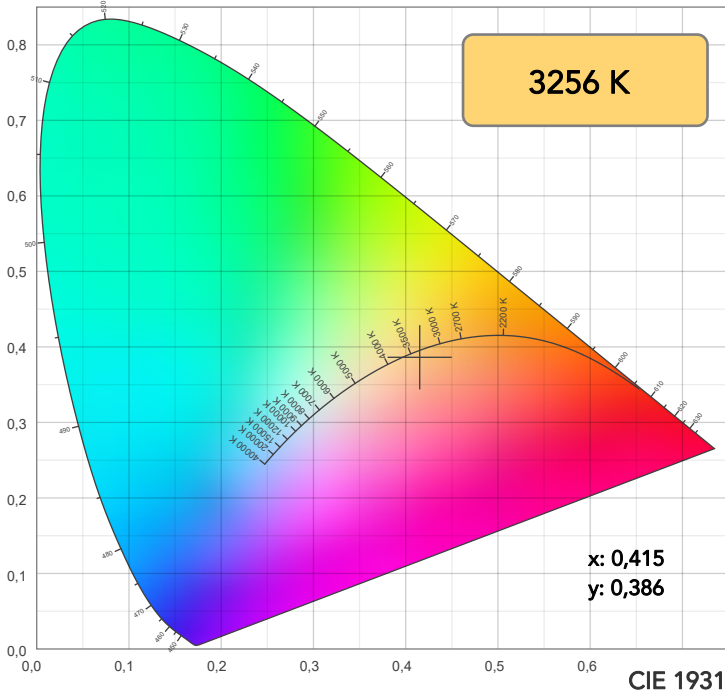
Field angle 10%: 105,2°

Cut off angle 2.5%: 142,8°

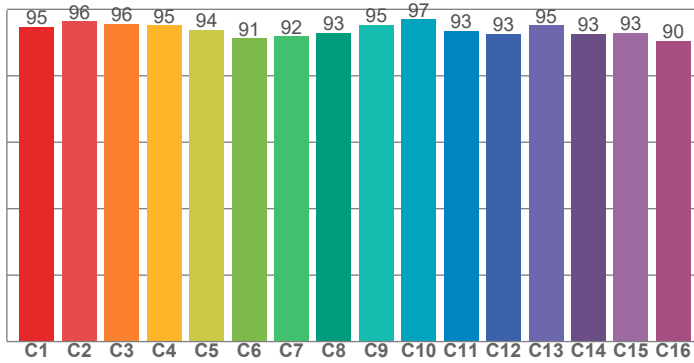
Spectra



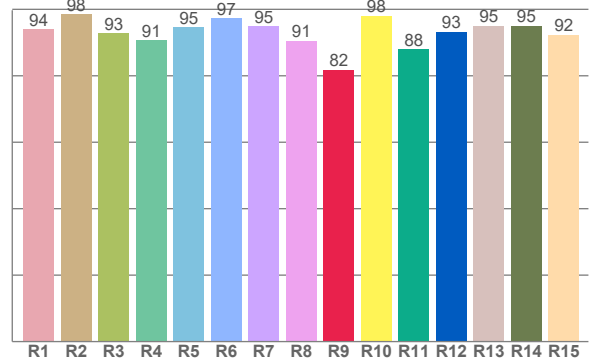
COLOR DETAILS



TM30: 94,1



CRI: 94,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,0	98,4	92,9	90,7	94,5	97,4	94,8	90,6	81,8	98,1	88,1	93,3	95,1	95,1	92,3

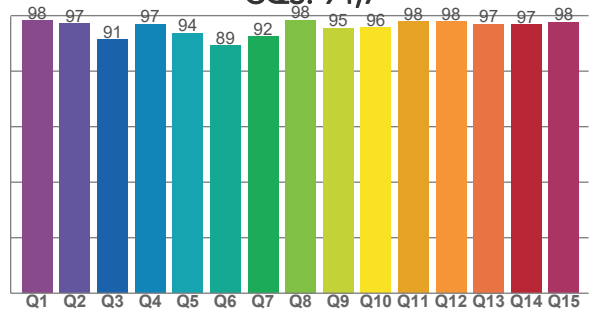
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,7	96,4	95,7	95,2	93,8	91,2	91,9	92,9	95,3	97,0	93,4	92,7	95,2	92,6	93,0	90,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,2	97,1	91,4	96,9	93,7	89,2	92,4	98,4	95,5	95,6	97,8	97,9	97,0	96,8	97,6

CQS: 94,7



COLOR PARAMETERS

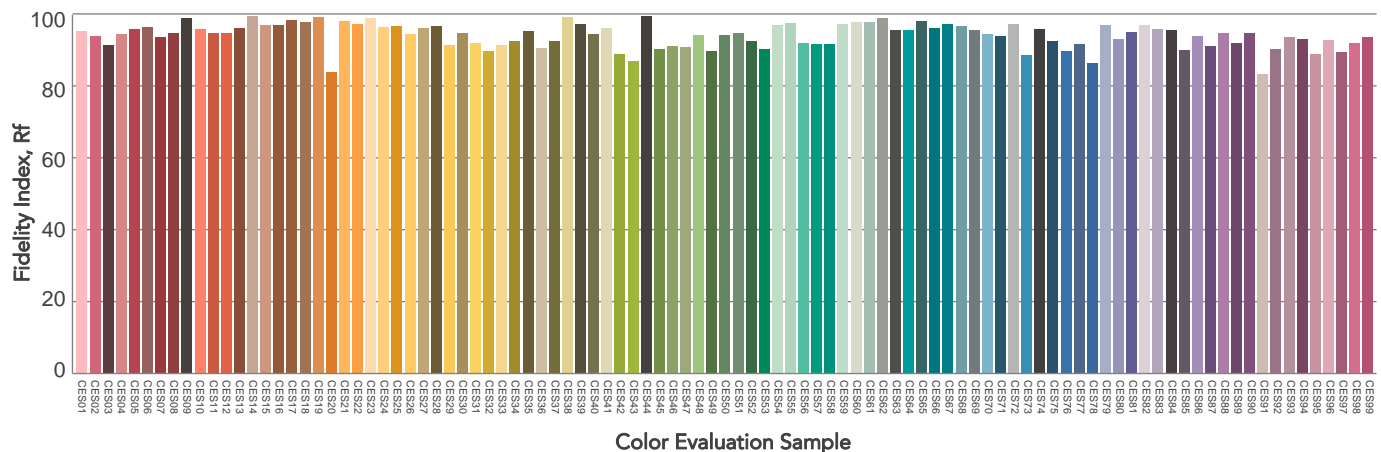
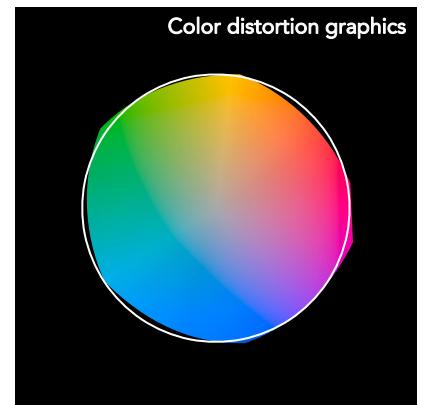
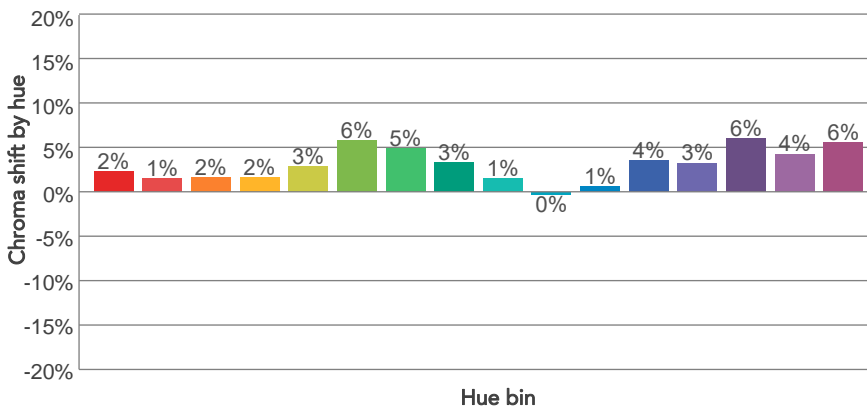
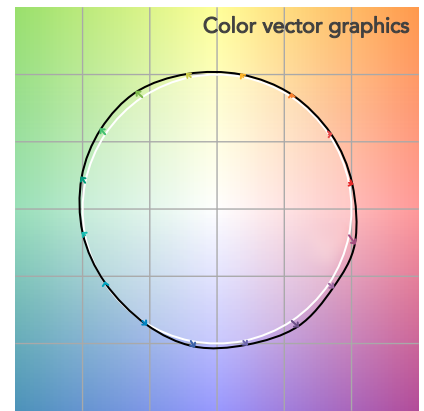
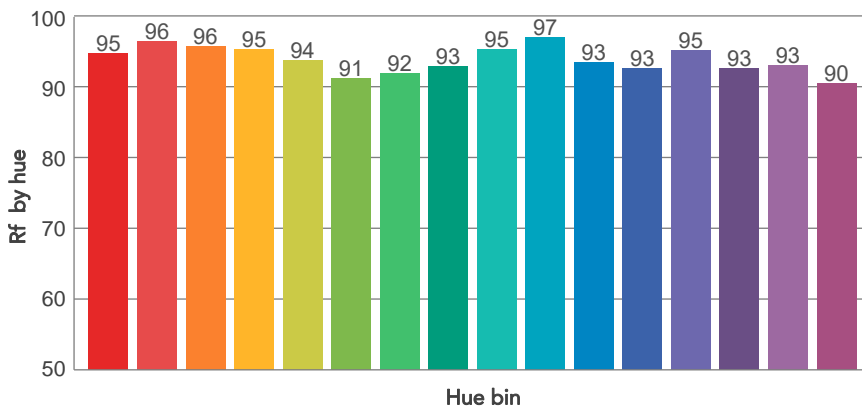
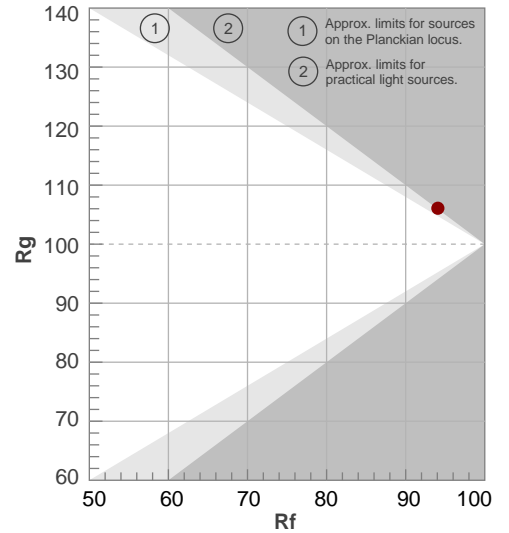
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3256 K	94,2	81,8	94,1	106,1	94,7	97	0,415	0,386	-0,0040

TM30 DETAILS

Rf 94,1
Fidelity index Rf

Rg 106,1
Gammut index

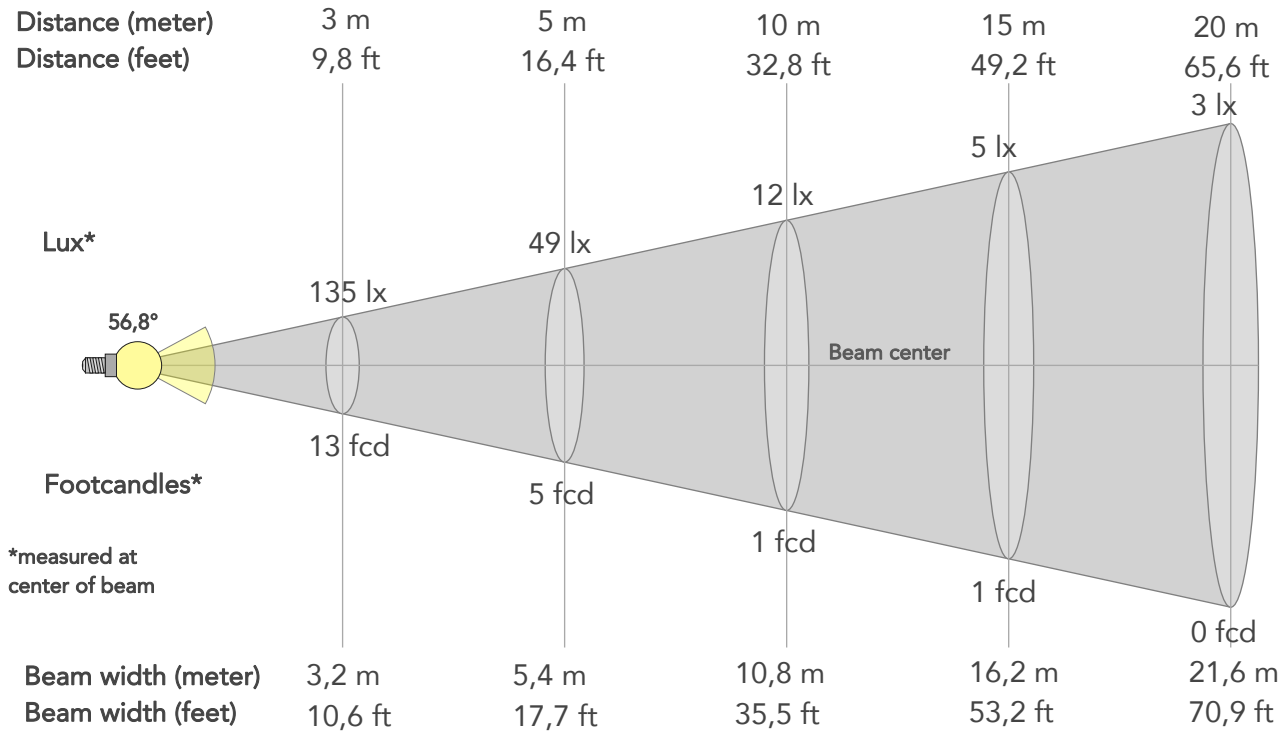
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	96	1%	-1%
3	96	2%	1%
4	95	2%	2%
5	94	3%	2%
6	91	6%	1%
7	92	5%	-1%
8	93	3%	-3%
9	95	1%	-2%
10	97	0%	-1%
11	93	1%	4%
12	93	4%	3%
13	95	3%	2%
14	93	6%	1%
15	93	4%	0%
16	90	6%	-5%



BEAM DETAILS



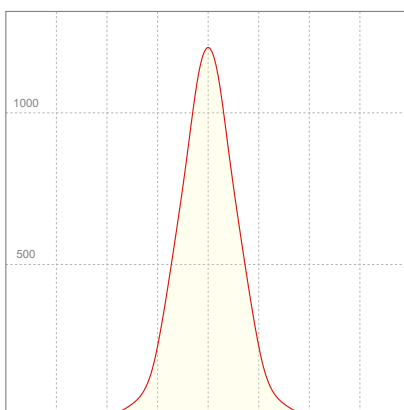
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,8°	105,2°	142,8°	93,7%	81,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1213lx	303lx	135lx	76lx	49lx	22lx	12lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	113fcd	28fcd	13fcd	7fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,2m	4,3m	5,4m	8,1m	10,8m	16,2m	21,6m	27m	32,4m	43,2m	54,1m
Beam wid.	3,6ft	7,1ft	10,6ft	14,2ft	17,7ft	26,6ft	35,5ft	53,2ft	70,9ft	88,7ft	106,4ft	141,8ft	177,3ft

LINEAR DISTRIBUTION DIAGRAM

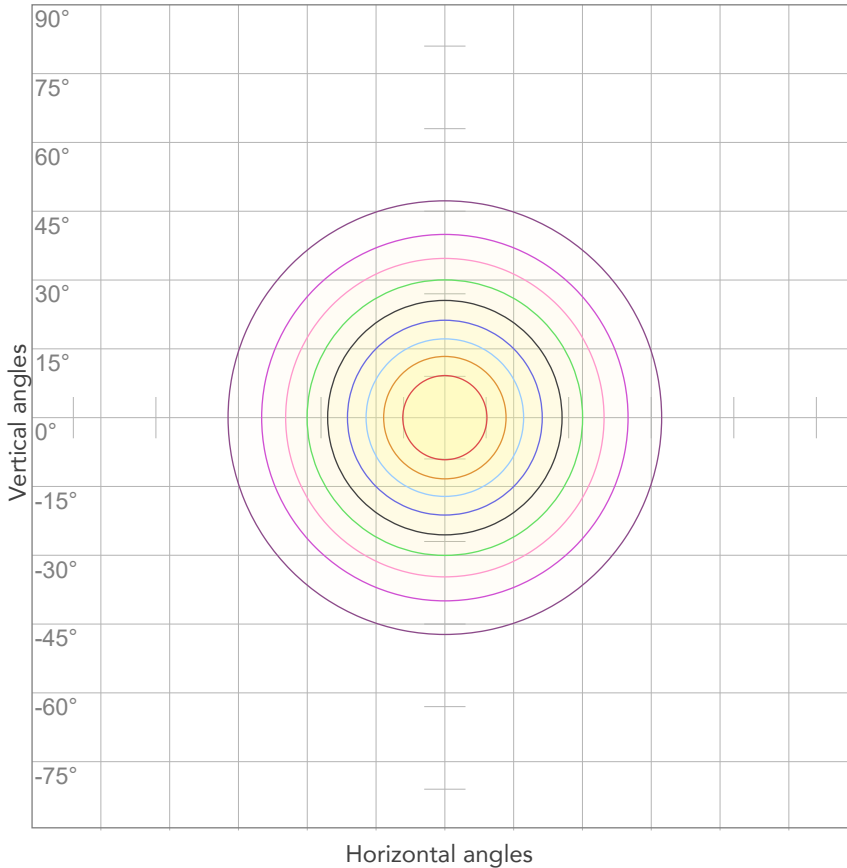


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
223V	0,148A	31,7W	0,96	42lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



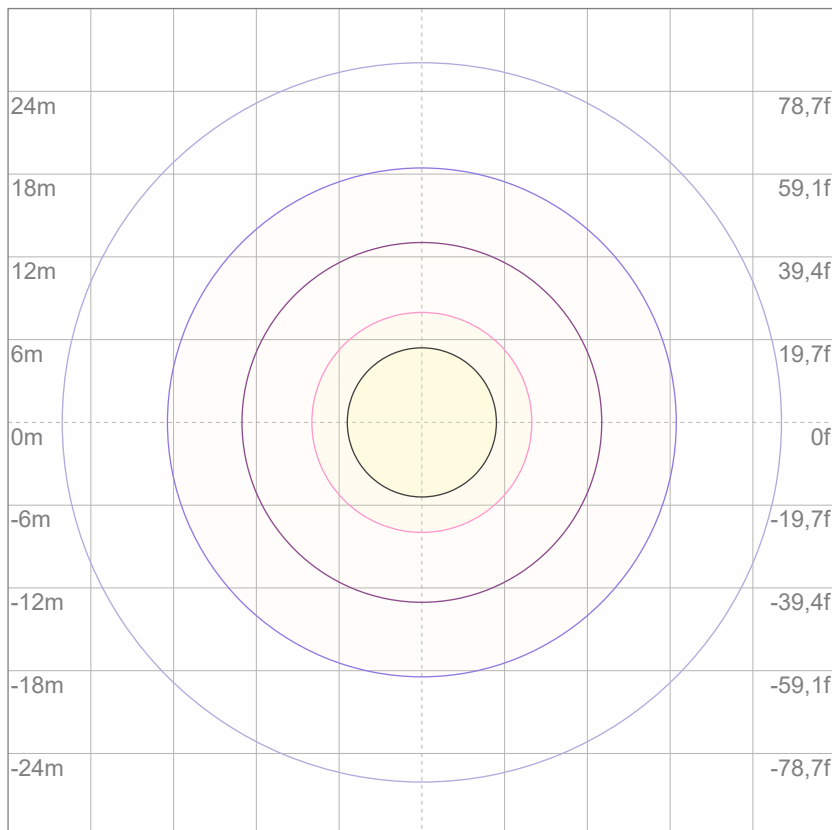
10%	121 cd
20%	243 cd
30%	364 cd
40%	485 cd
50%	606 cd
60%	728 cd
70%	849 cd
80%	970 cd

Conditions:

Number of c-planes: 2

Candela at center: 1213 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,364 lx
5%	0,606 lx
10%	1,21 lx
30%	3,64 lx
50%	6,06 lx

Conditions:

Number of c-planes: 2

Lux at center: 12,1 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.



Total lumen output:

2056 lm

Peak candela output:

4188 cd

Light quality:

CRI: 94,1

Color temperature:

3231 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

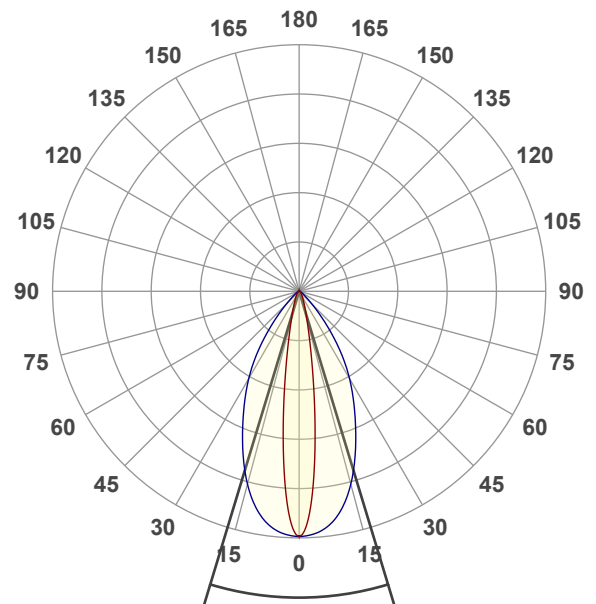
3200K

Operator:

Salvatore Giglio

Date and time:

20/02/2024 10:57:43

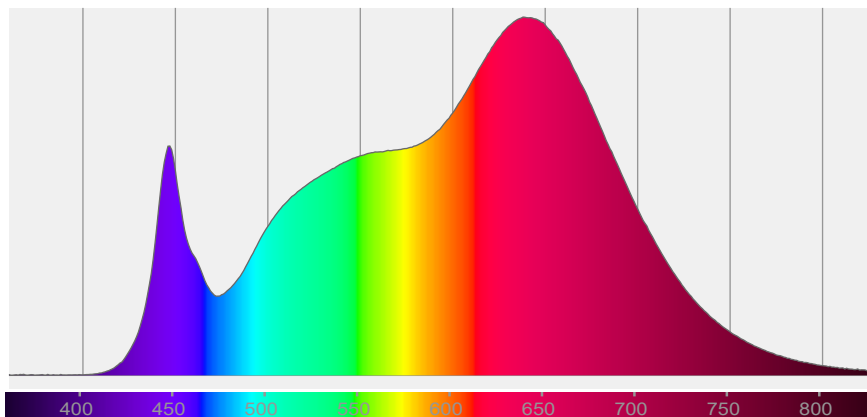


Beam angle 50%: 33,7°

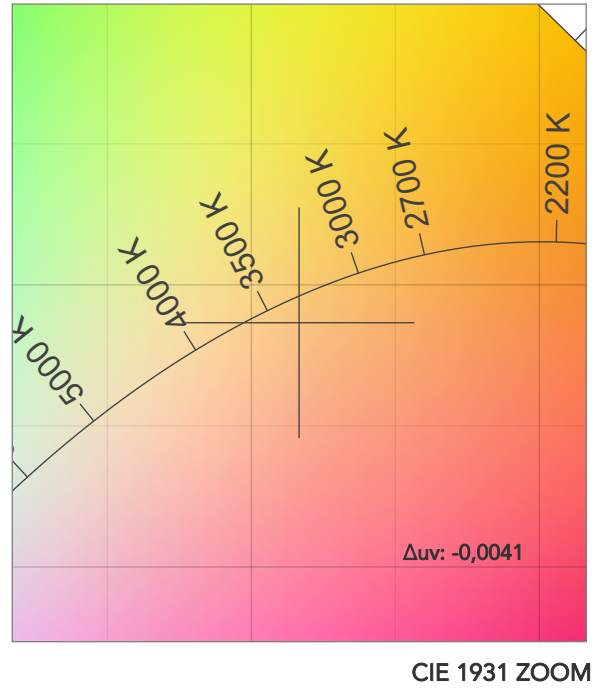
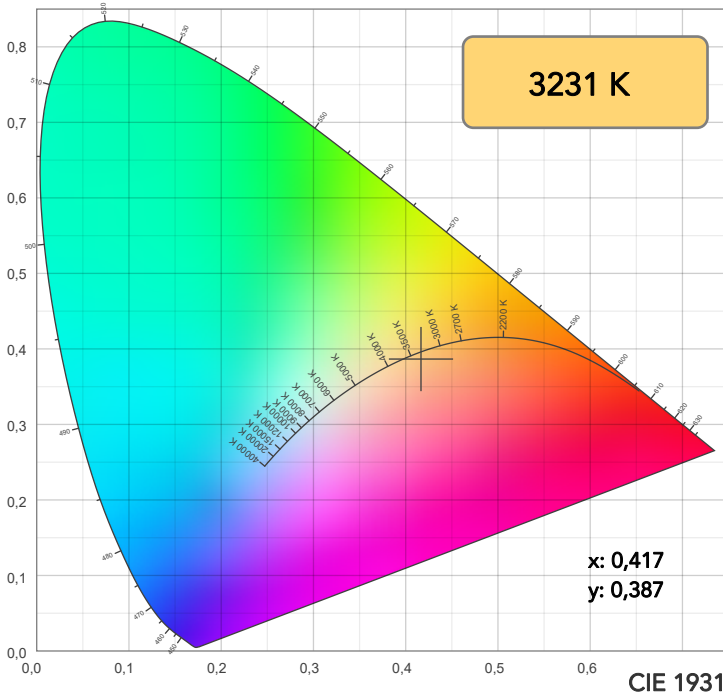
Field angle 10%: 59,8°

Cut off angle 2.5%: 84,3°

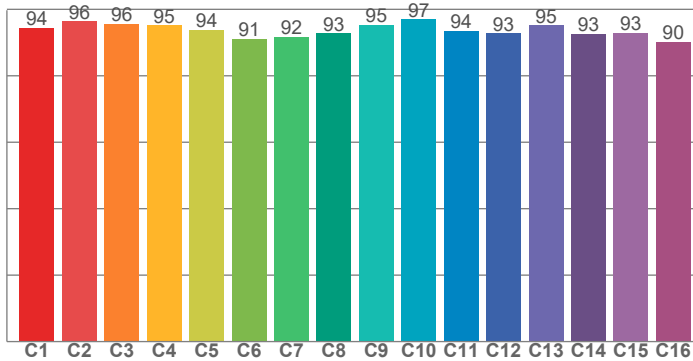
Spectra



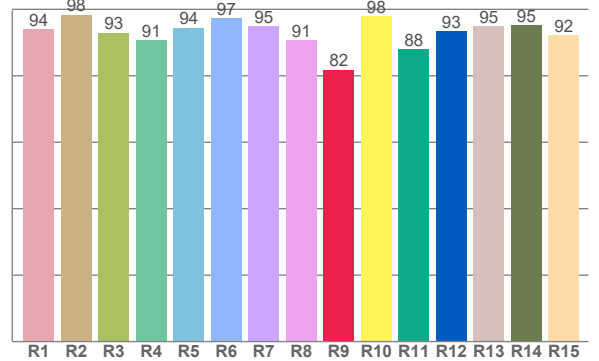
COLOR DETAILS



TM30: 94,1



CRI: 94,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,9	98,4	93,0	90,7	94,4	97,3	94,9	90,6	81,9	98,0	88,0	93,5	95,0	95,1	92,3

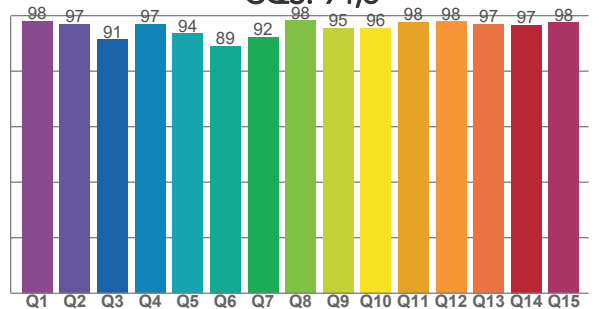
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,5	96,4	95,6	95,2	93,7	91,1	91,8	92,8	95,3	97,0	93,5	92,7	95,2	92,7	93,0	90,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,2	97,0	91,4	96,9	93,5	89,1	92,2	98,3	95,5	95,6	97,7	97,9	97,0	96,7	97,5

CQS: 94,6



COLOR PARAMETERS

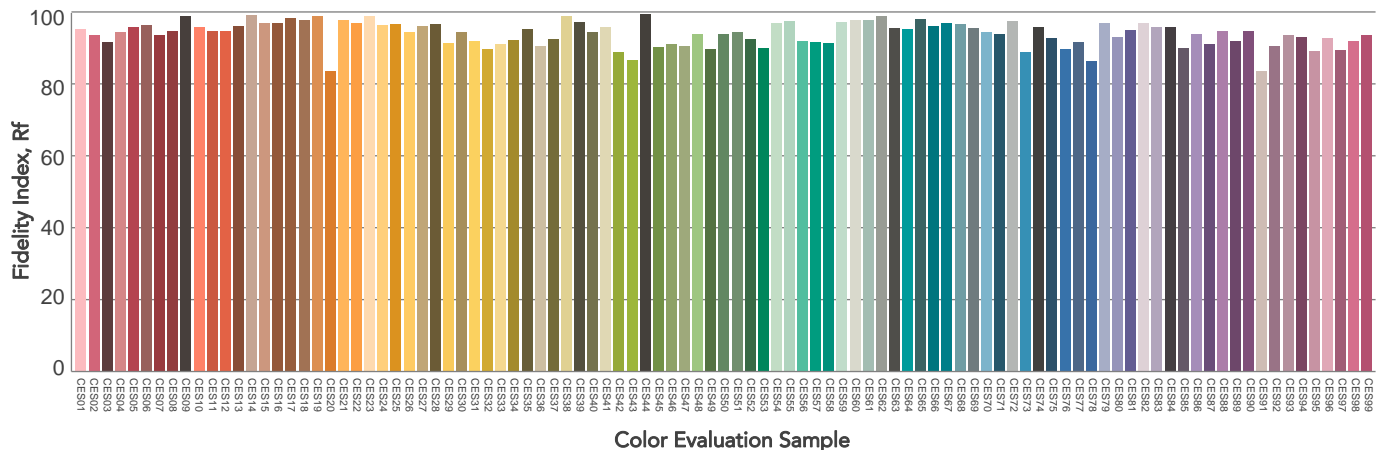
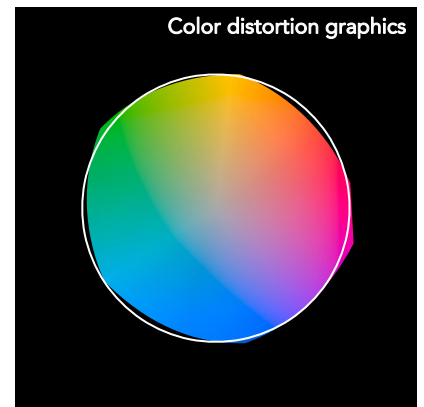
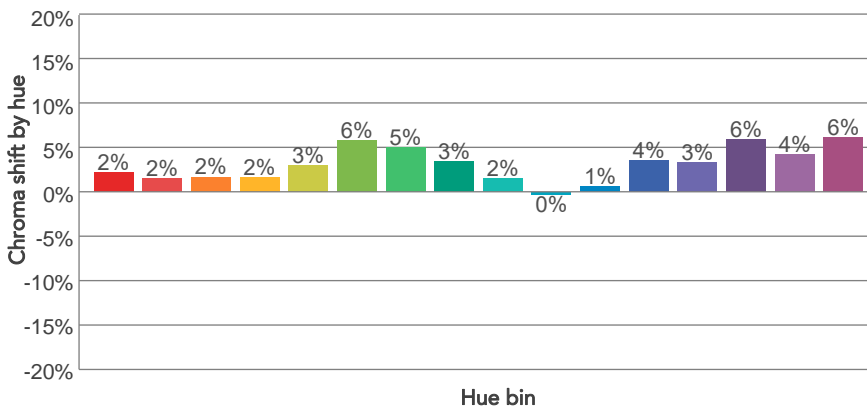
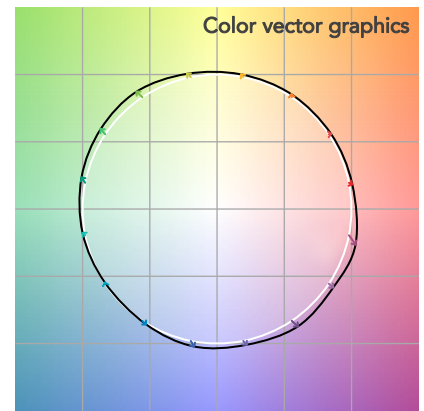
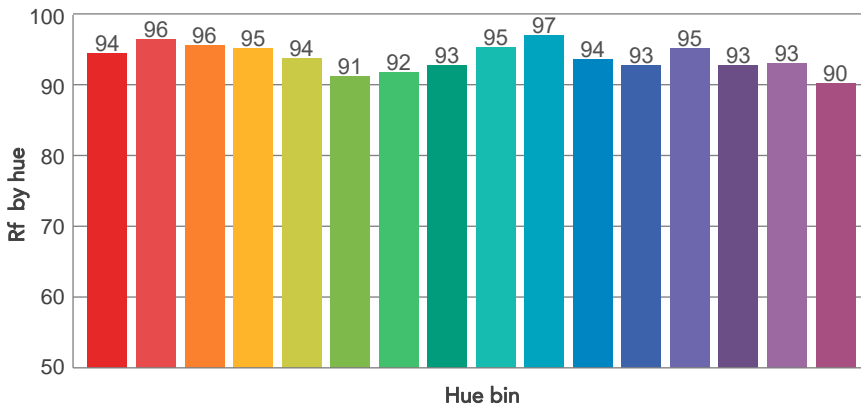
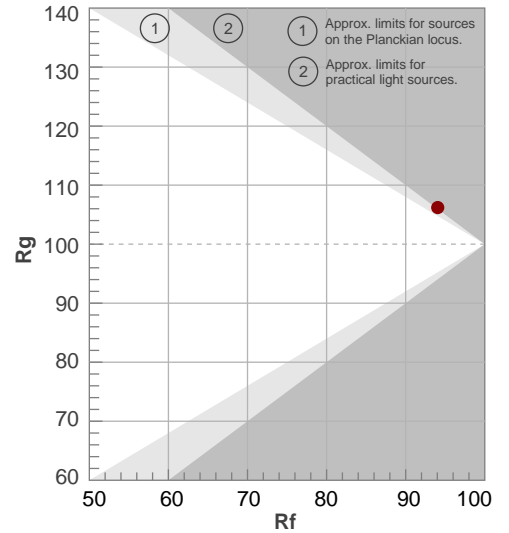
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3231 K	94,1	81,9	94,1	106,2	94,6	96	0,417	0,387	-0,0041

TM30 DETAILS

Rf 94,1
Fidelity index Rf

Rg 106,2
Gammut index

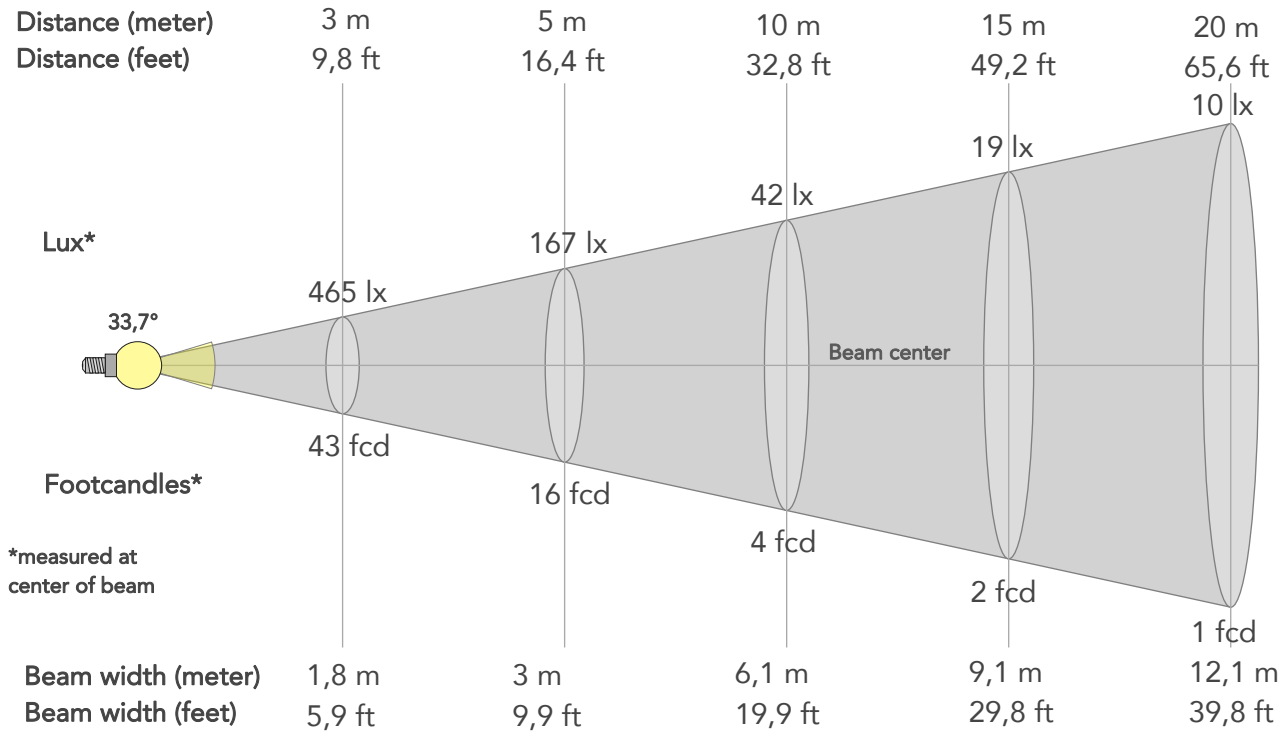
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	2%	-2%
2	96	2%	-1%
3	96	2%	1%
4	95	2%	2%
5	94	3%	2%
6	91	6%	1%
7	92	5%	-1%
8	93	3%	-3%
9	95	2%	-2%
10	97	0%	-1%
11	94	1%	4%
12	93	4%	3%
13	95	3%	2%
14	93	6%	1%
15	93	4%	0%
16	90	6%	-6%



BEAM DETAILS



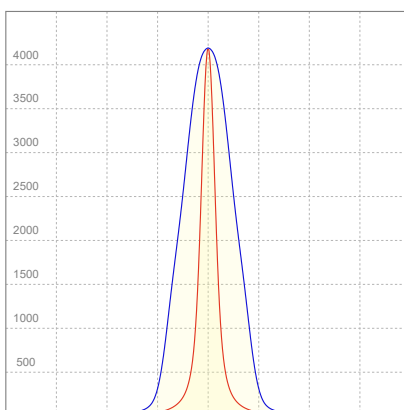
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,7°	59,8°	84,3°	97,4%	92,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	4183lx	1046lx	465lx	261lx	167lx	74lx	42lx	19lx	10lx	7lx	5lx	3lx	2lx
Footcand.	389fcd	97fcd	43fcd	24fcd	16fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6,1m	9,1m	12,1m	15,2m	18,2m	24,3m	30,3m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,9ft	19,9ft	29,8ft	39,8ft	49,7ft	59,7ft	79,6ft	99,5ft

LINEAR DISTRIBUTION DIAGRAM

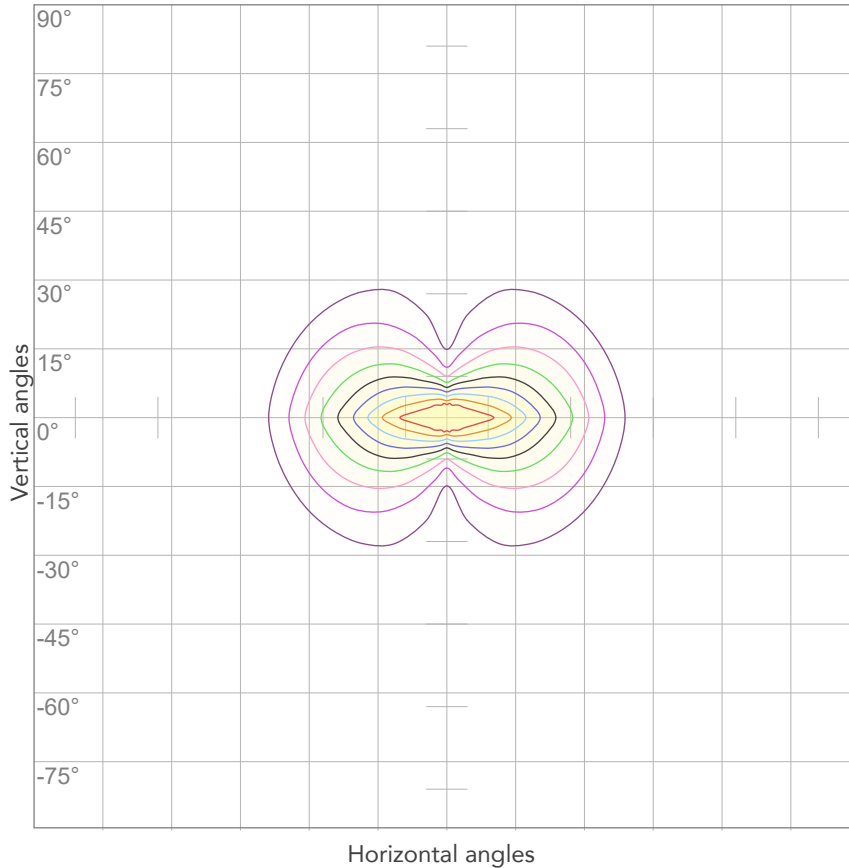


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,147A	31,6W	0,96	65lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



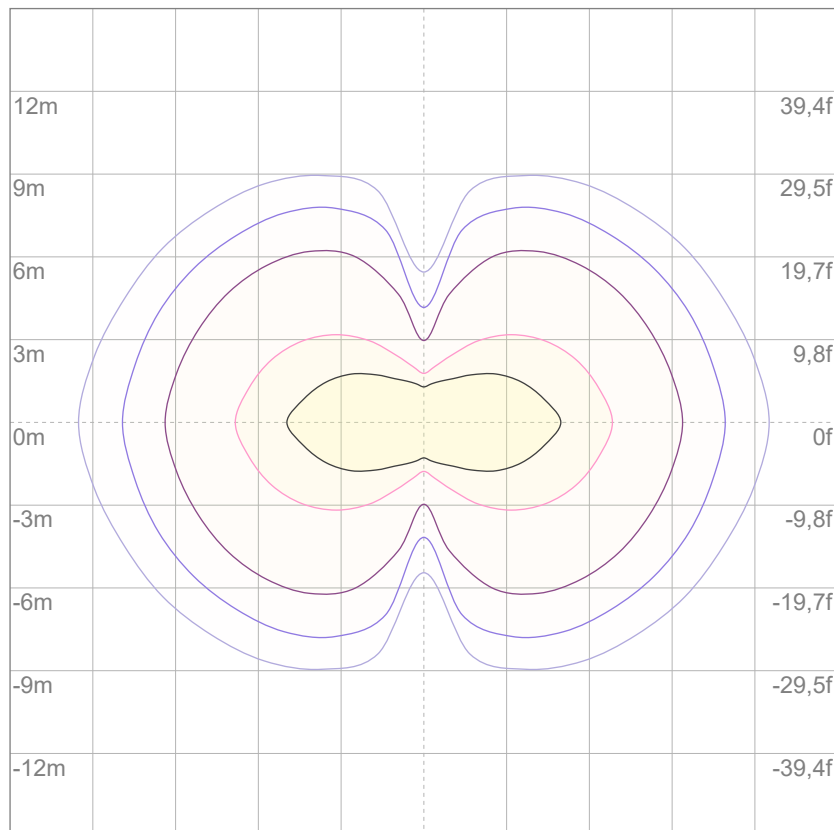
10%	418 cd
20%	837 cd
30%	1255 cd
40%	1673 cd
50%	2091 cd
60%	2510 cd
70%	2928 cd
80%	3346 cd

Conditions:

Number of c-planes: 4

Candela at center: 4183 cd

ISO LUX DIAGRAM



3%	1,25 lx
5%	2,09 lx
10%	4,18 lx
30%	12,5 lx
50%	20,9 lx

Conditions:

Number of c-planes: 4

Lux at center: 41,8 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.



Total lumen output:

1259 lm

Peak candela output:

2076 cd

Light quality:

CRI: 94,1

Color temperature:

3241 K

PRODUCT NAME:

ARCSPOTS VW

MEASUREMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

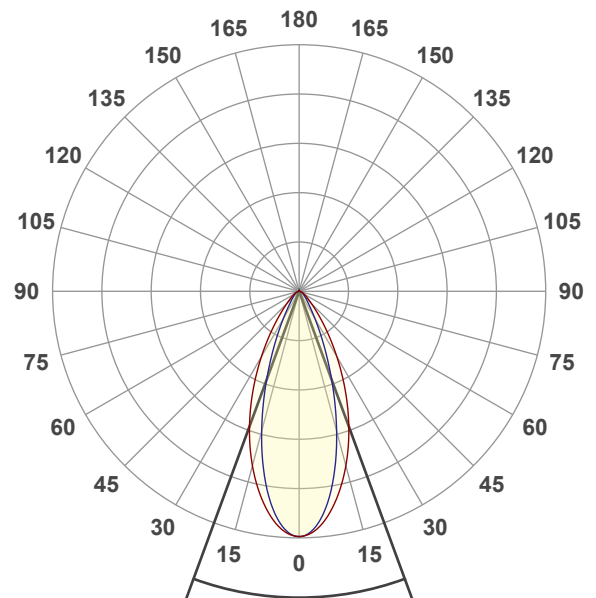
3200K

Operator:

Salvatore Giglio

Date and time:

20/02/2024 11:53:26

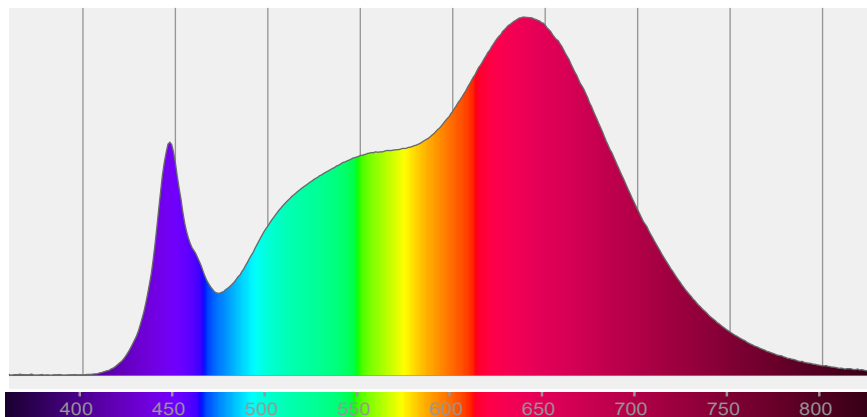


Beam angle 50%: 40,3°

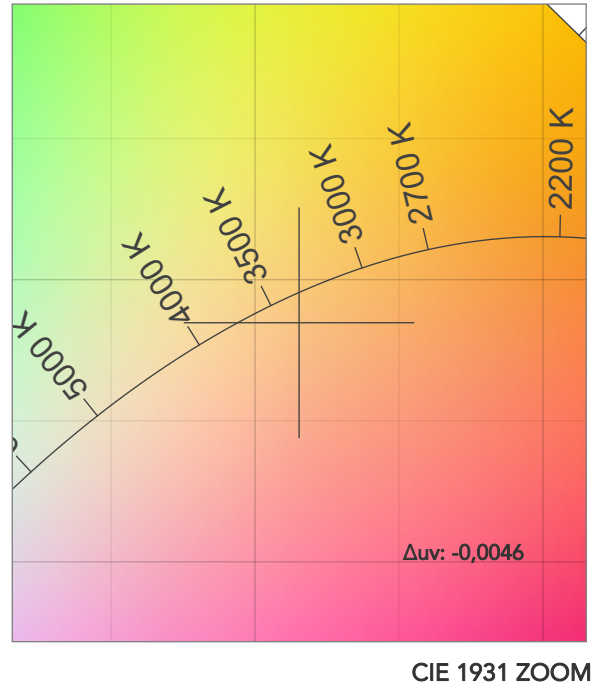
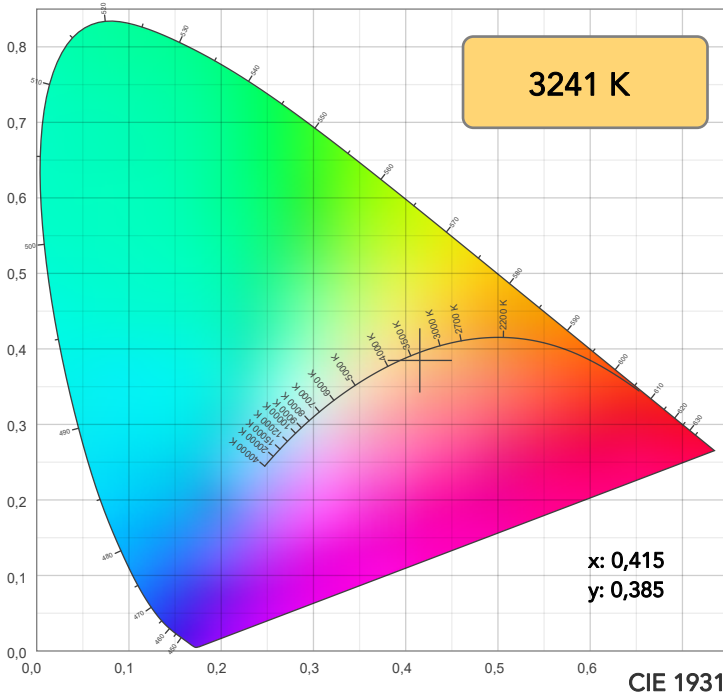
Field angle 10%: 73,9°

Cut off angle 2.5%: 111,6°

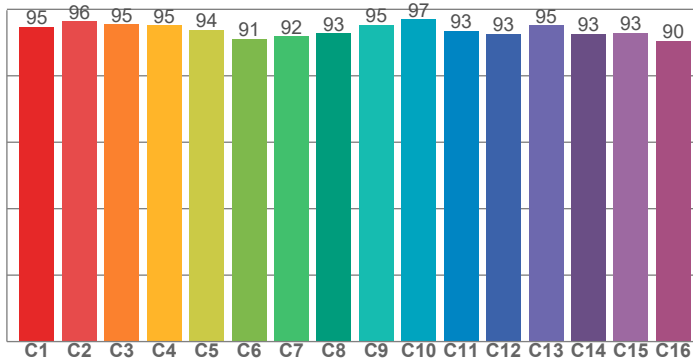
Spectra



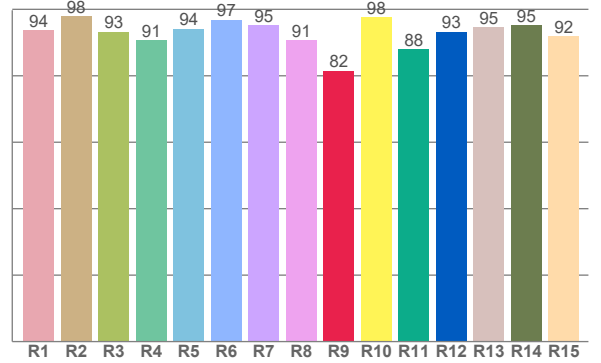
COLOR DETAILS



TM30: 94,0



CRI: 94,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,6	98,0	93,3	90,7	94,1	96,8	95,2	90,7	81,5	97,5	87,9	93,3	94,6	95,3	91,9

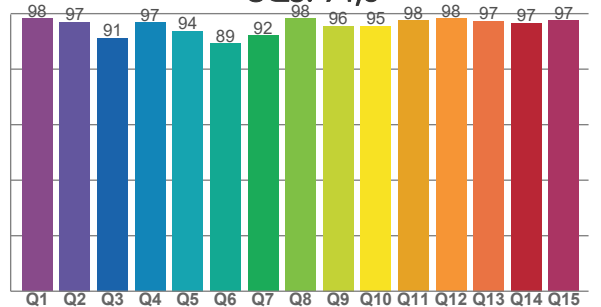
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,8	96,3	95,4	95,2	93,8	91,1	91,8	92,8	95,3	97,0	93,4	92,7	95,2	92,6	92,9	90,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,2	97,1	91,2	96,7	93,8	89,2	92,1	98,2	95,5	95,5	97,5	98,2	97,4	96,5	97,5

CQS: 94,6



COLOR PARAMETERS

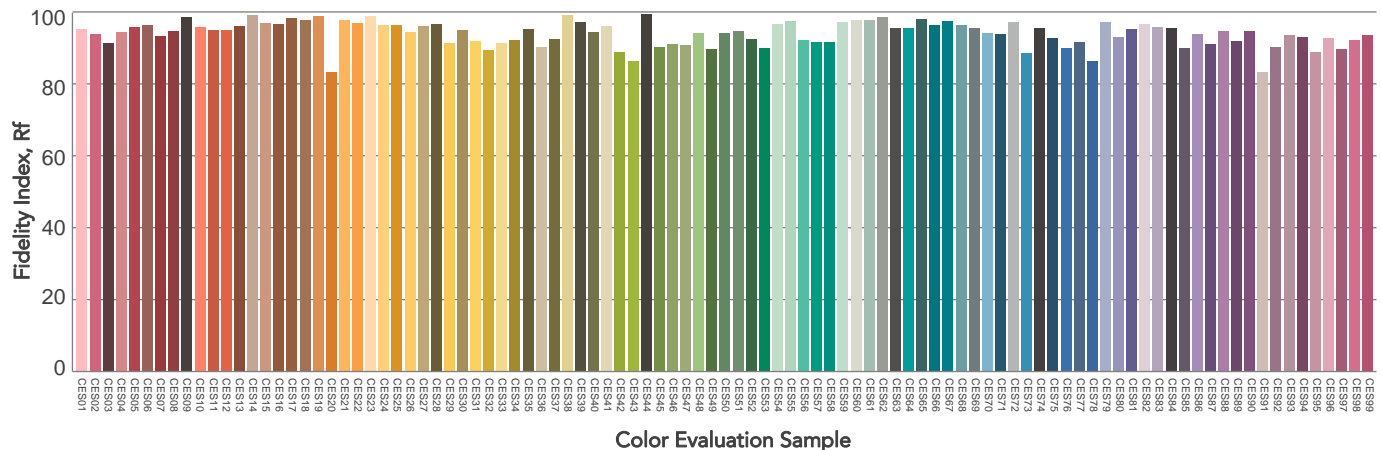
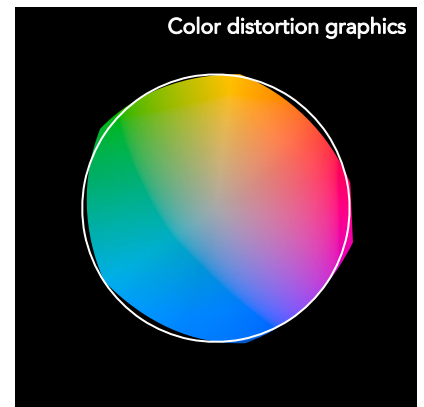
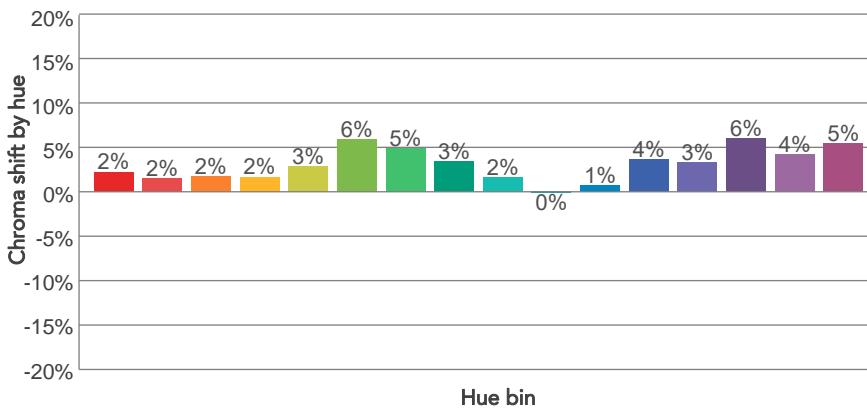
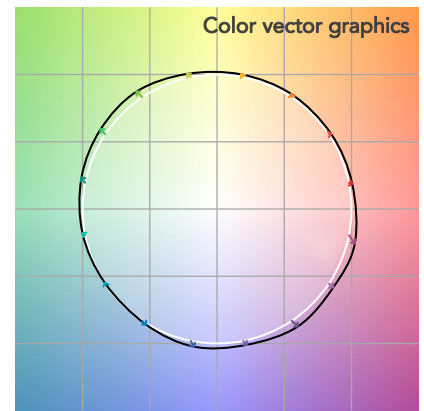
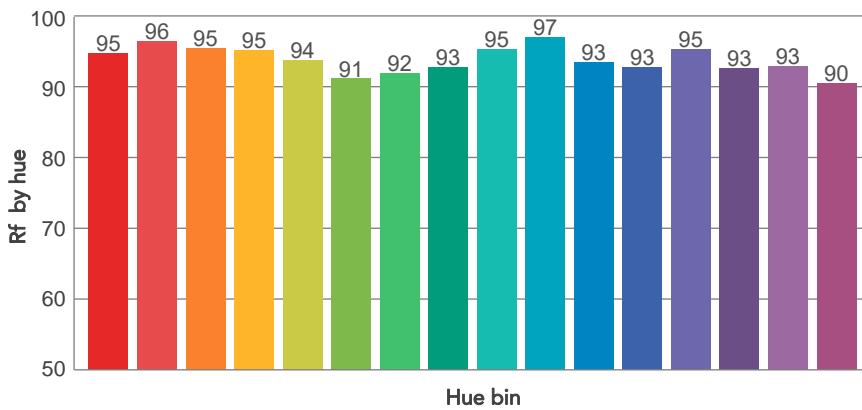
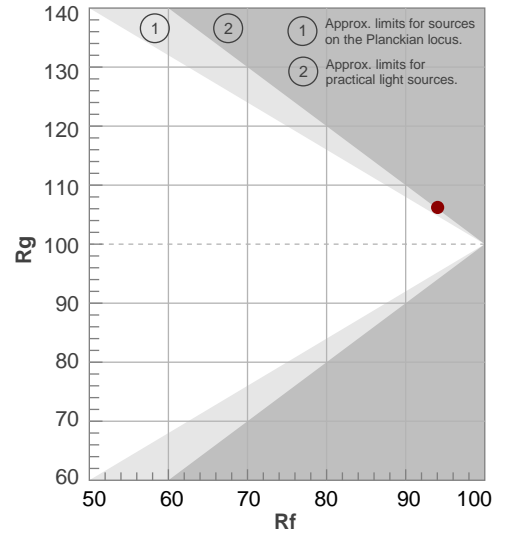
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3241 K	94,1	81,5	94,0	106,2	94,6	96	0,415	0,385	-0,0046

TM30 DETAILS

Rf 94,0
Fidelity index Rf

Rg 106,2
Gammut index

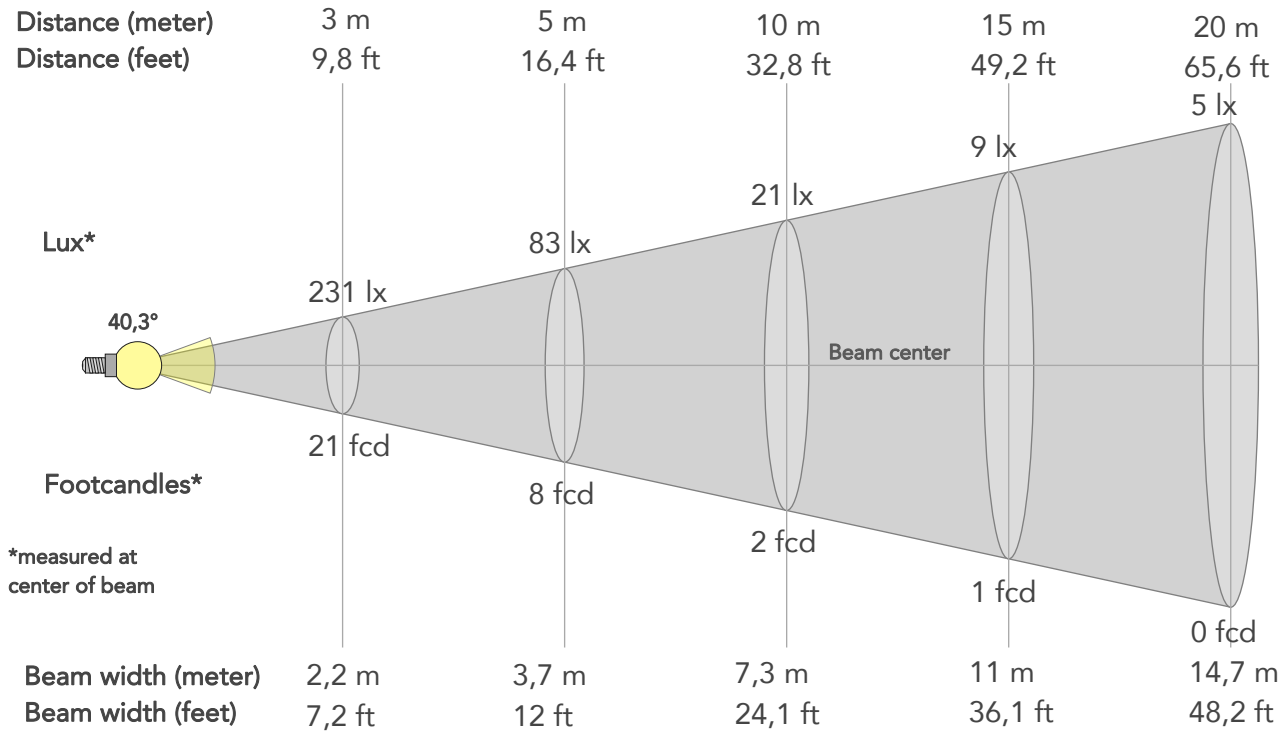
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	96	2%	-1%
3	95	2%	1%
4	95	2%	2%
5	94	3%	2%
6	91	6%	1%
7	92	5%	-1%
8	93	3%	-3%
9	95	2%	-2%
10	97	0%	-1%
11	93	1%	4%
12	93	4%	3%
13	95	3%	2%
14	93	6%	1%
15	93	4%	0%
16	90	5%	-5%



BEAM DETAILS



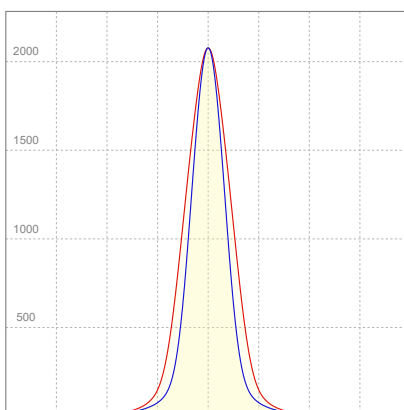
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40,3°	73,9°	111,6°	95,5%	88,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2075lx	519lx	231lx	130lx	83lx	37lx	21lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	193fcd	48fcd	21fcd	12fcd	8fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	2,9m	3,7m	5,5m	7,3m	11m	14,7m	18,4m	22m	29,4m	36,7m
Beam wid.	2,4ft	4,8ft	7,2ft	9,6ft	12ft	18,1ft	24,1ft	36,1ft	48,2ft	60,2ft	72,3ft	96,4ft	120,5ft

LINEAR DISTRIBUTION DIAGRAM

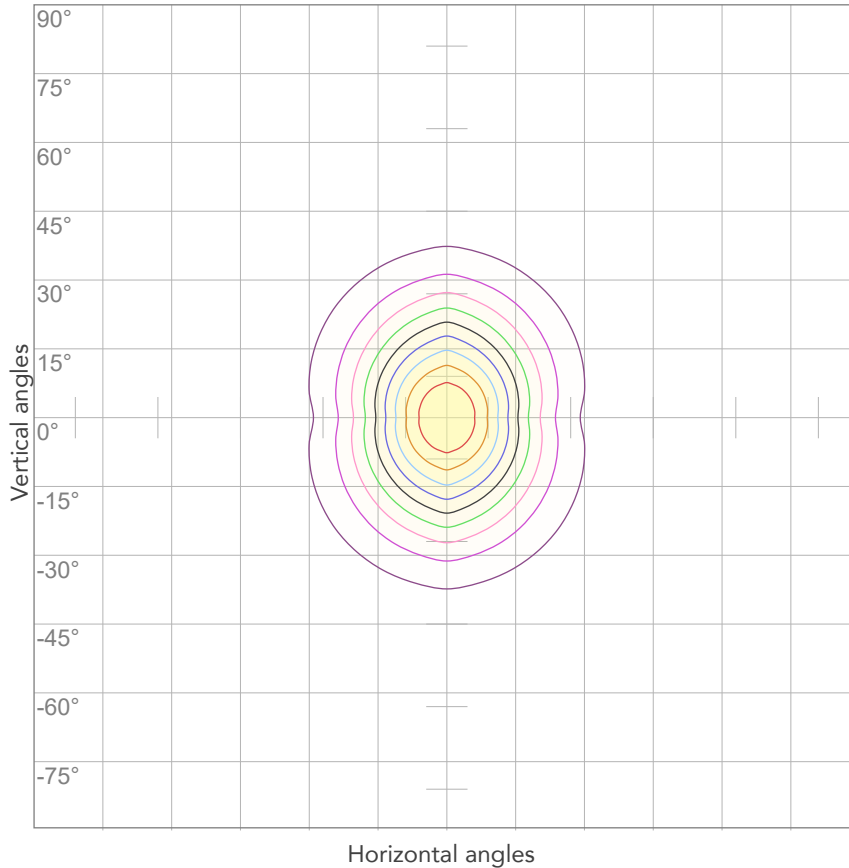


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,145A	31,4W	0,96	40lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



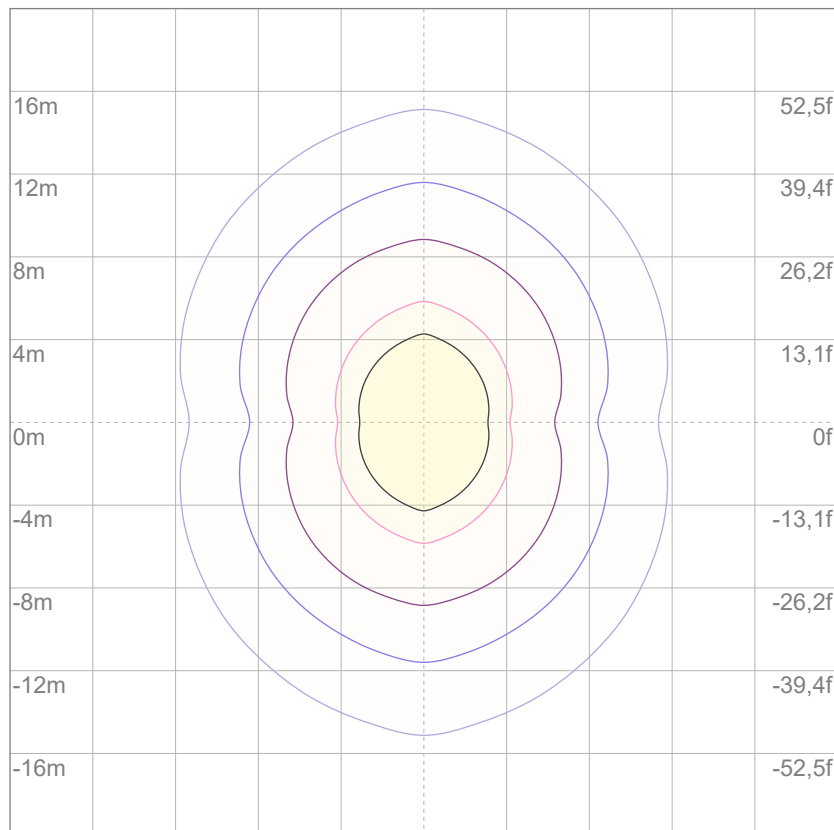
10%	207 cd
20%	415 cd
30%	622 cd
40%	830 cd
50%	1037 cd
60%	1245 cd
70%	1452 cd
80%	1660 cd

Conditions:

Number of c-planes: 4

Candela at center: 2075 cd

ISO LUX DIAGRAM



3%	0,622 lx
5%	1,04 lx
10%	2,07 lx
30%	6,22 lx
50%	10,4 lx

Conditions:

Number of c-planes: 4

Lux at center: 20,7 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1638 lm

Peak candela output:

32502 cd

Light quality:

CRI: 93,7

Color temperature:

4041 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

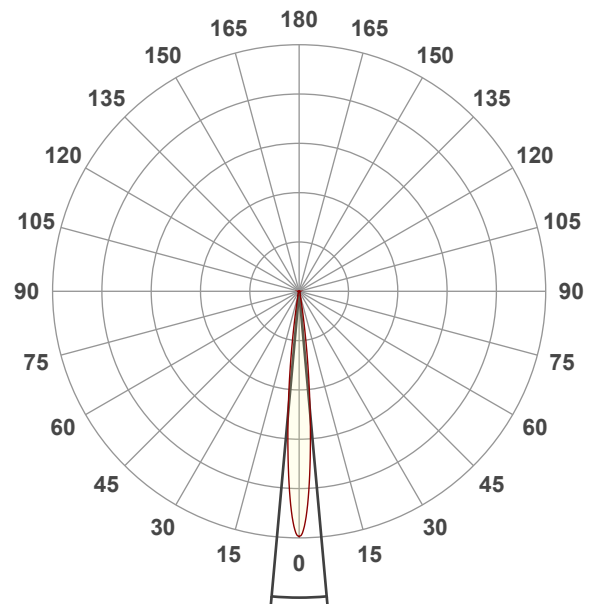
4000K

Operator:

Salvatore Giglio

Date and time:

19/02/2024 16:36:39

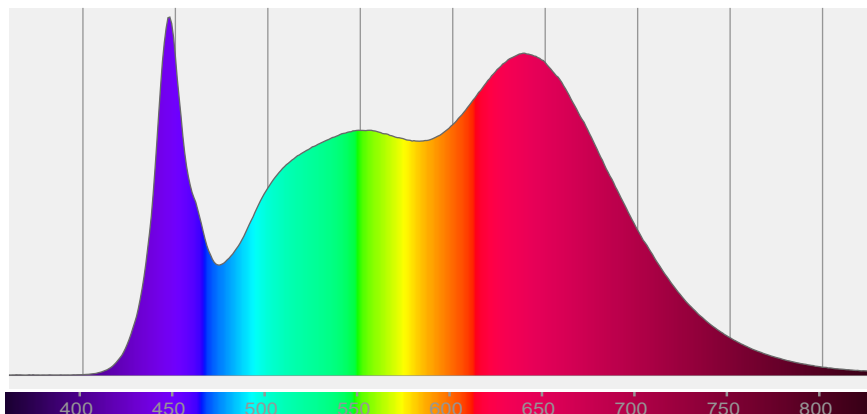


Beam angle 50%: 10,3°

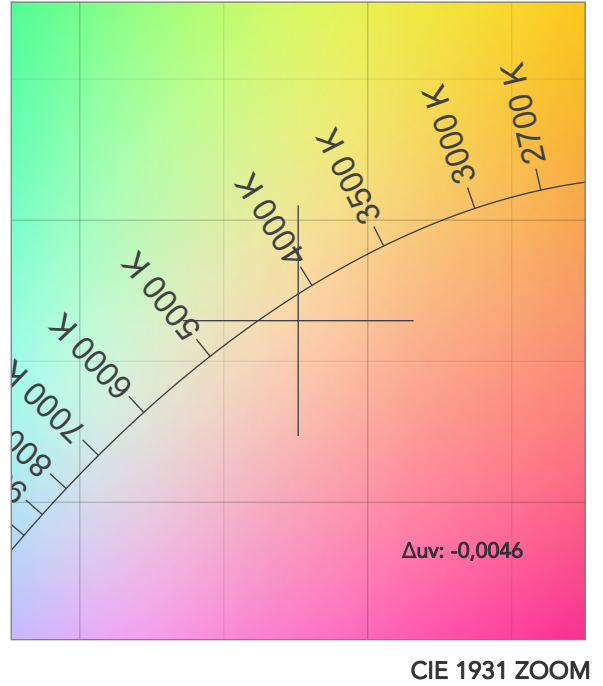
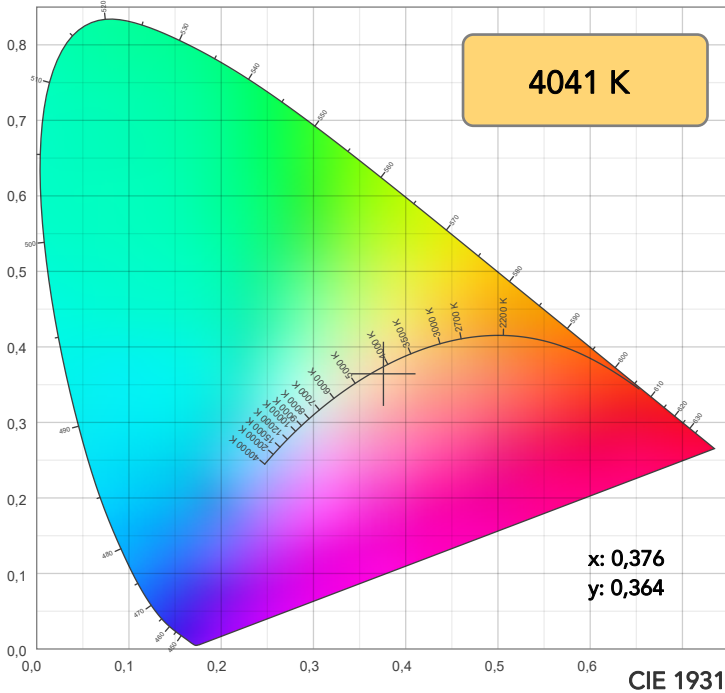
Field angle 10%: 18,6°

Cut off angle 2.5%: 27,5°

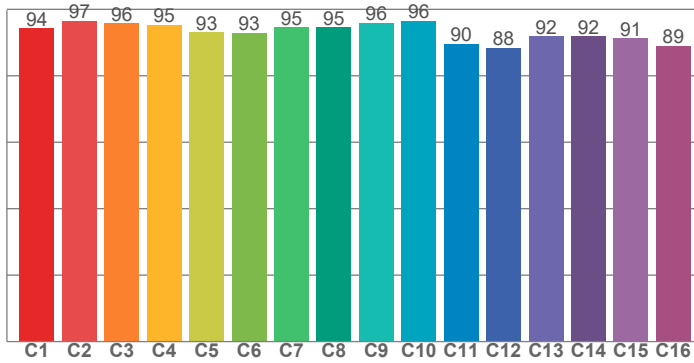
Spectra



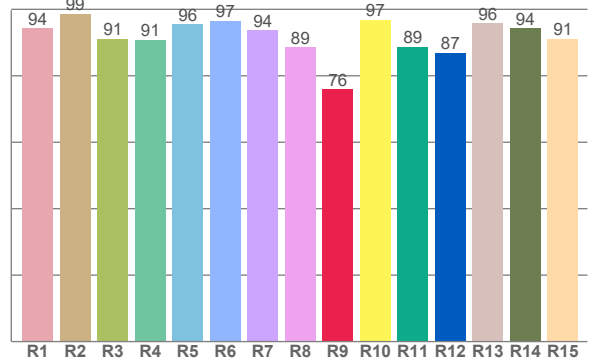
COLOR DETAILS



TM30: 93,4



CRI: 93,7 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,3	98,7	91,2	90,8	95,6	96,5	93,7	88,6	76,0	96,9	88,8	86,9	95,8	94,3	91,1

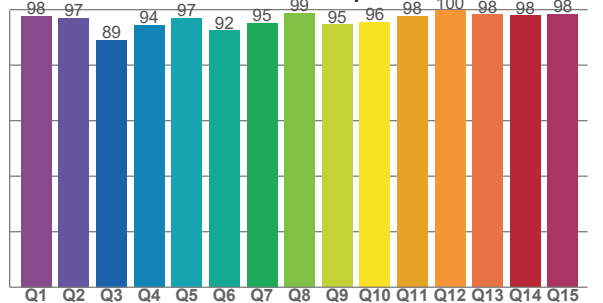
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,3	96,5	95,7	95,3	93,1	92,9	94,6	94,5	95,9	96,5	89,6	88,3	91,9	91,9	91,2	88,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,7	97,0	89,1	94,4	96,9	92,4	95,1	98,9	94,7	95,5	97,7	99,6	98,2	97,8	98,3

CQS: 95,4



COLOR PARAMETERS

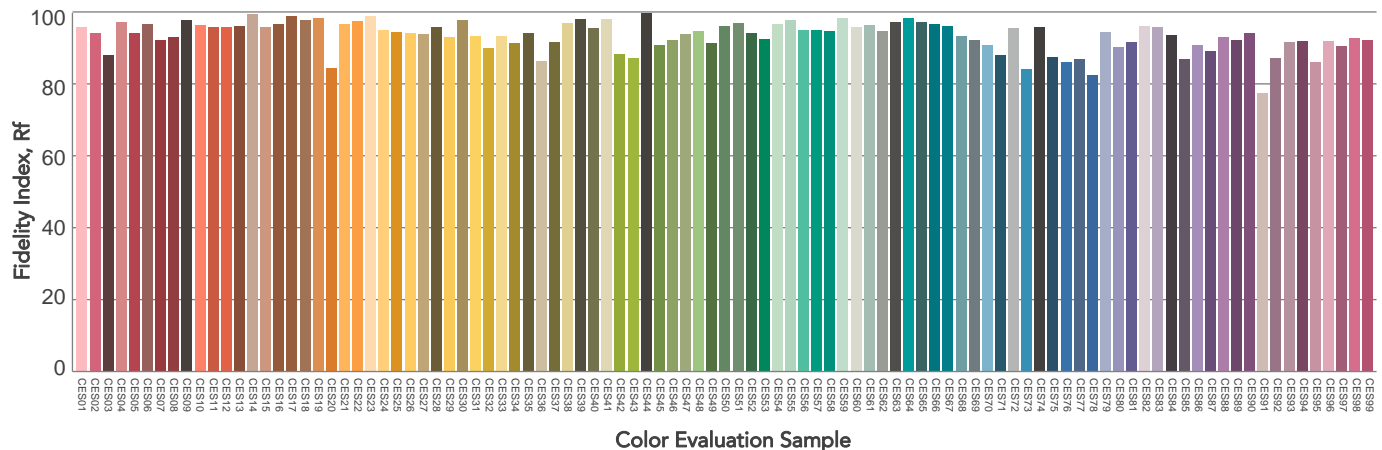
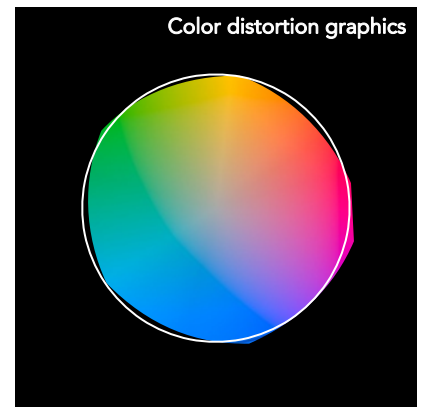
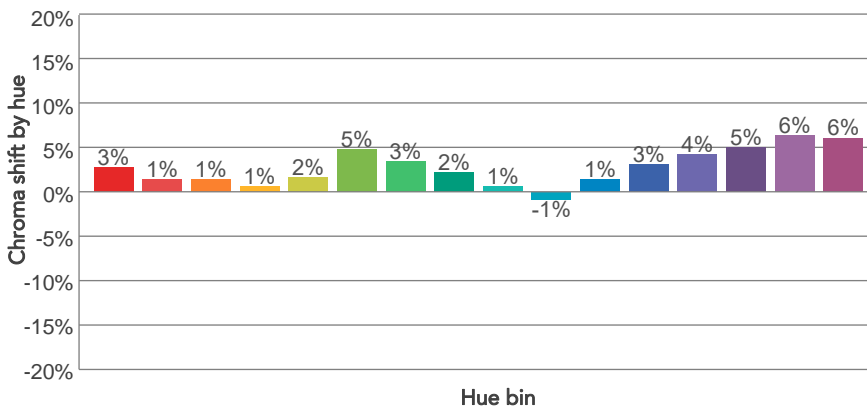
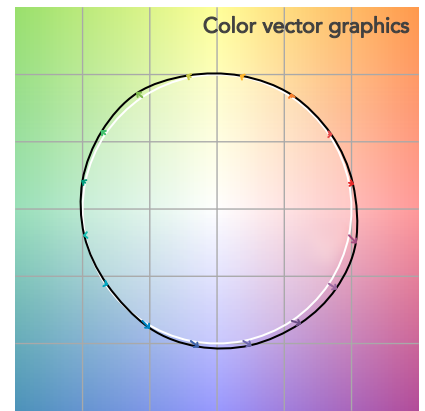
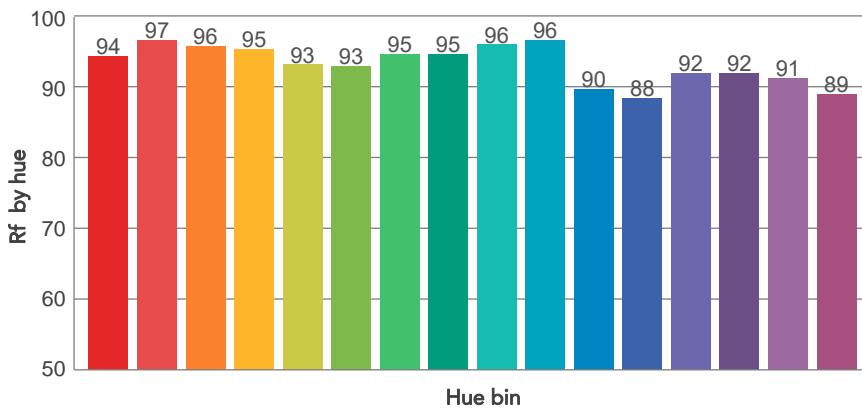
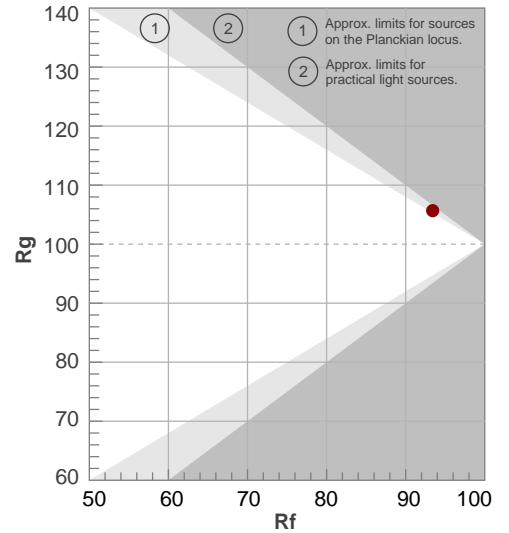
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4041 K	93,7	76,0	93,4	105,7	95,4	97	0,376	0,364	-0,0046

TM30 DETAILS

Rf 93,4
Fidelity index Rf

Rg 105,7
Gammut index

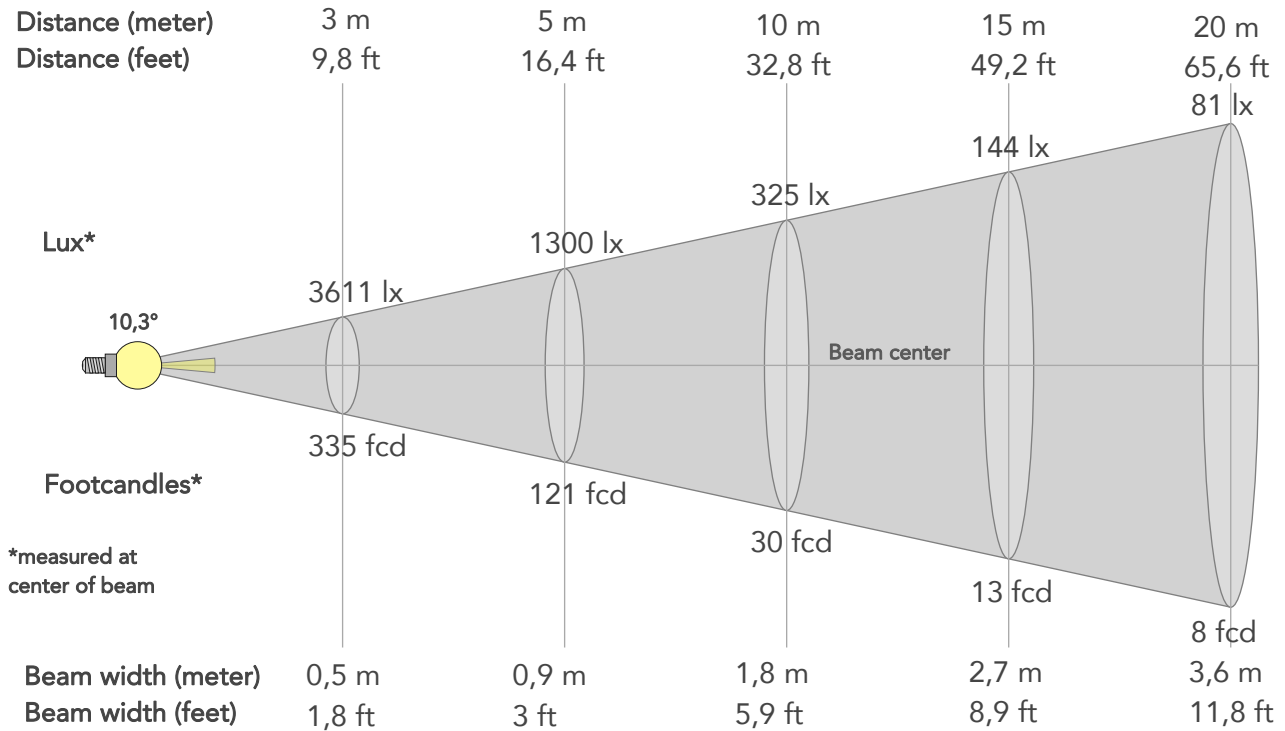
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	3%	-1%
2	97	1%	-1%
3	96	1%	1%
4	95	1%	2%
5	93	2%	2%
6	93	5%	1%
7	95	3%	-1%
8	95	2%	-1%
9	96	1%	0%
10	96	-1%	1%
11	90	1%	7%
12	88	3%	6%
13	92	4%	5%
14	92	5%	4%
15	91	6%	0%
16	89	6%	-4%



BEAM DETAILS



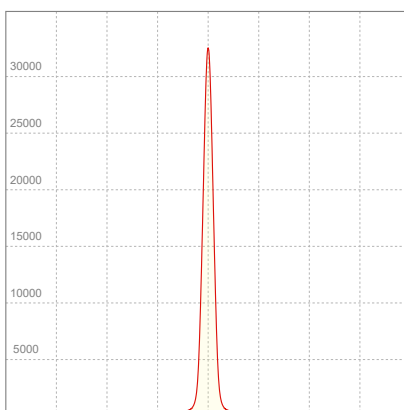
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,3°	18,6°	27,5°	97,3%	94,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	32502lx	8125lx	3611lx	2031lx	1300lx	578lx	325lx	144lx	81lx	52lx	36lx	20lx	13lx
Footcand.	3019fcd	755fcd	335fcd	189fcd	121fcd	54fcd	30fcd	13fcd	8fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,4m	1,8m	2,7m	3,6m	4,5m	5,4m	7,2m	9m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,4ft	5,9ft	8,9ft	11,8ft	14,8ft	17,8ft	23,7ft	29,6ft

LINEAR DISTRIBUTION DIAGRAM

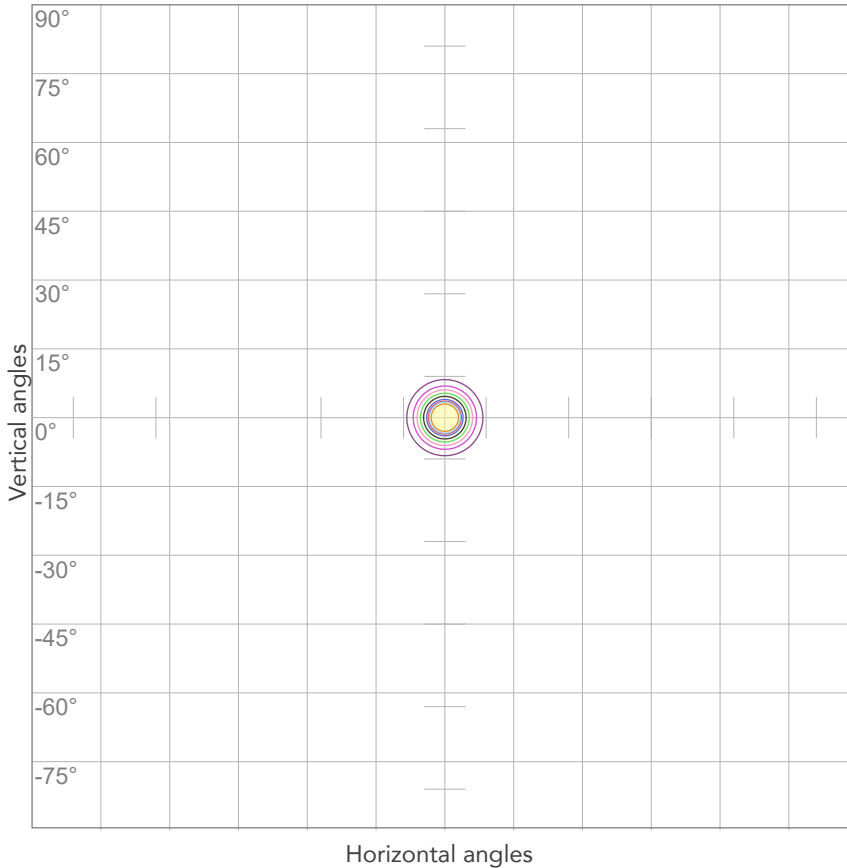


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,146A	31,5W	0,96	52lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



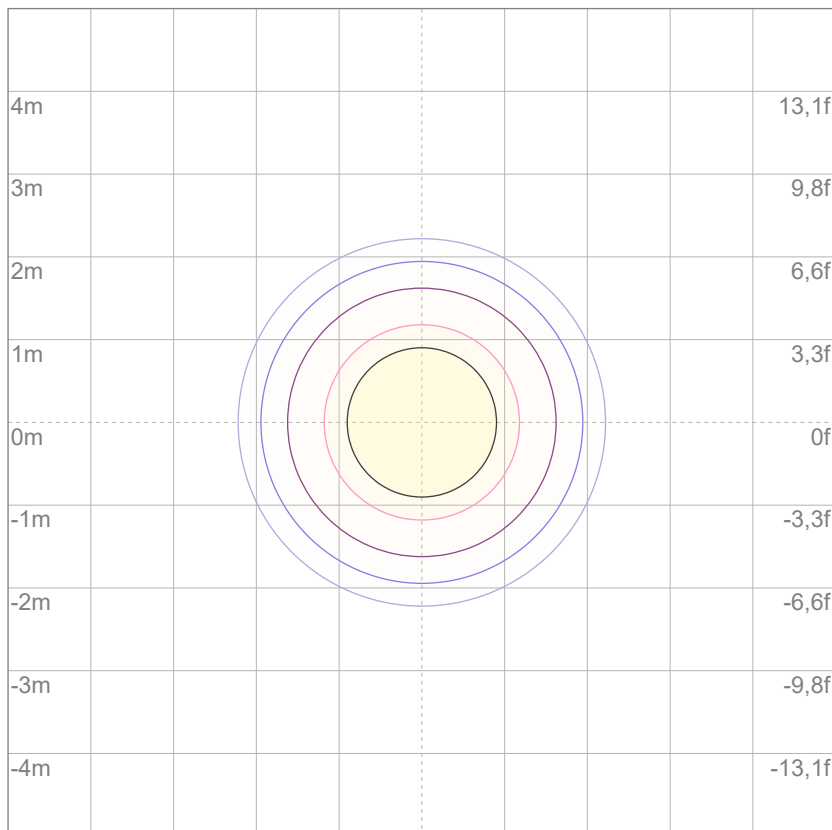
10%	3250 cd
20%	6500 cd
30%	9750 cd
40%	13001 cd
50%	16251 cd
60%	19501 cd
70%	22751 cd
80%	26001 cd

Conditions:

Number of c-planes: 2

Candela at center: 32502 cd

ISO LUX DIAGRAM



3%	9,75 lx
5%	16,3 lx
10%	32,5 lx
30%	97,5 lx
50%	163 lx

Conditions:

Number of c-planes: 2

Lux at center: 325 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1474 lm

Peak candela output:

6040 cd

Light quality:

CRI: 93,6

Color temperature:

4041 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

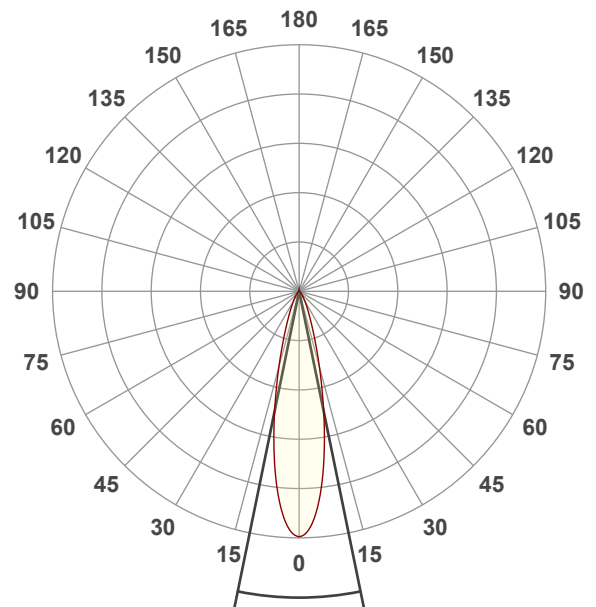
4000K

Operator:

Salvatore Giglio

Date and time:

19/02/2024 17:23:10

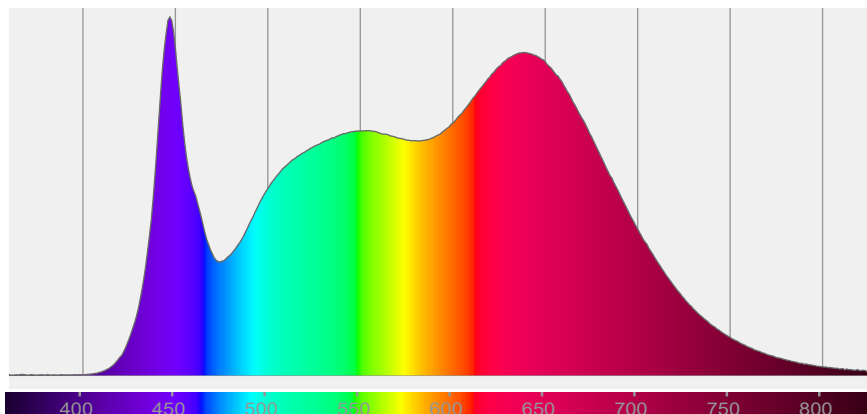


Beam angle 50%: 23,1°

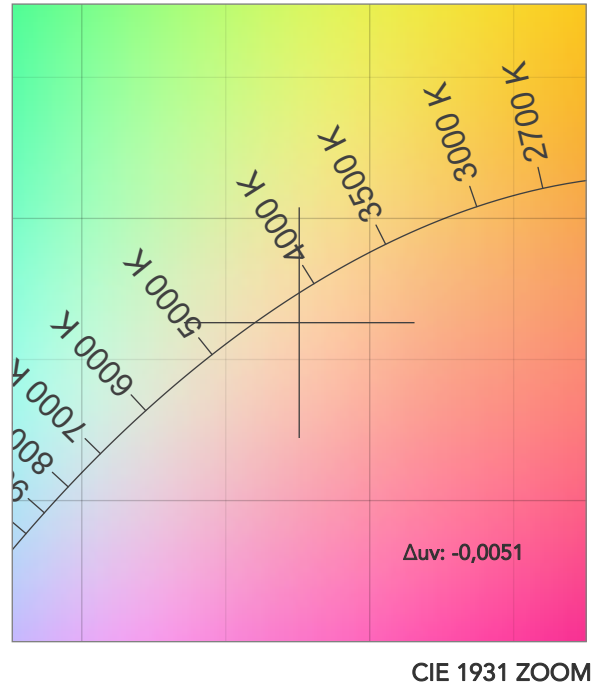
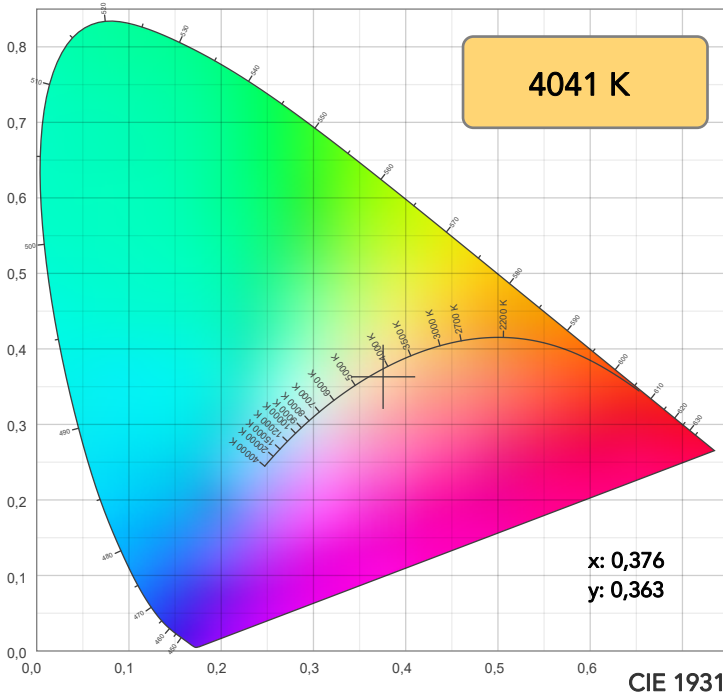
Field angle 10%: 46,8°

Cut off angle 2.5%: 72,5°

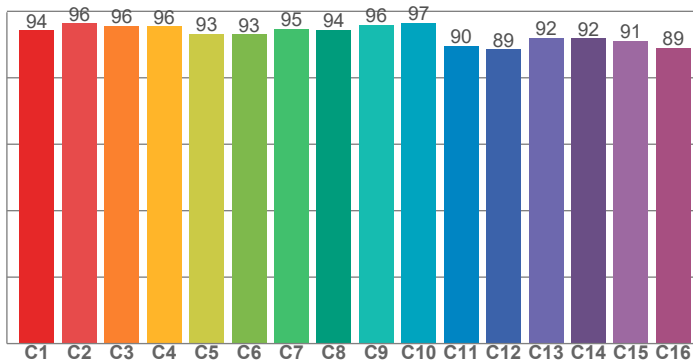
Spectra



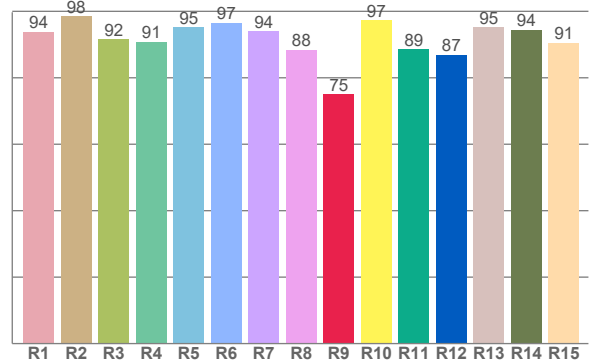
COLOR DETAILS



TM30: 93,4



CRI: 93,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,8	98,5	91,5	90,8	95,2	96,5	94,0	88,4	75,1	97,3	88,6	86,9	95,2	94,5	90,6

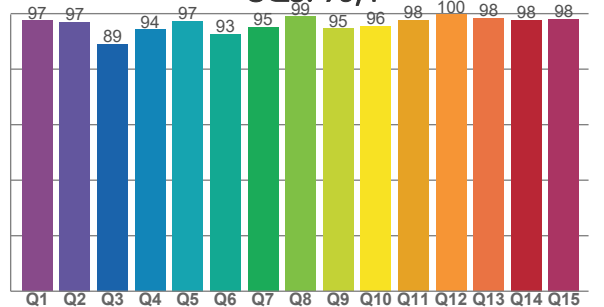
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,3	96,4	95,7	95,5	93,1	93,0	94,7	94,4	95,9	96,5	89,6	88,5	92,0	91,9	91,1	88,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,4	97,0	89,0	94,2	97,3	92,7	95,2	98,9	94,7	95,6	97,7	99,7	98,3	97,7	98,1

CQS: 95,4



COLOR PARAMETERS

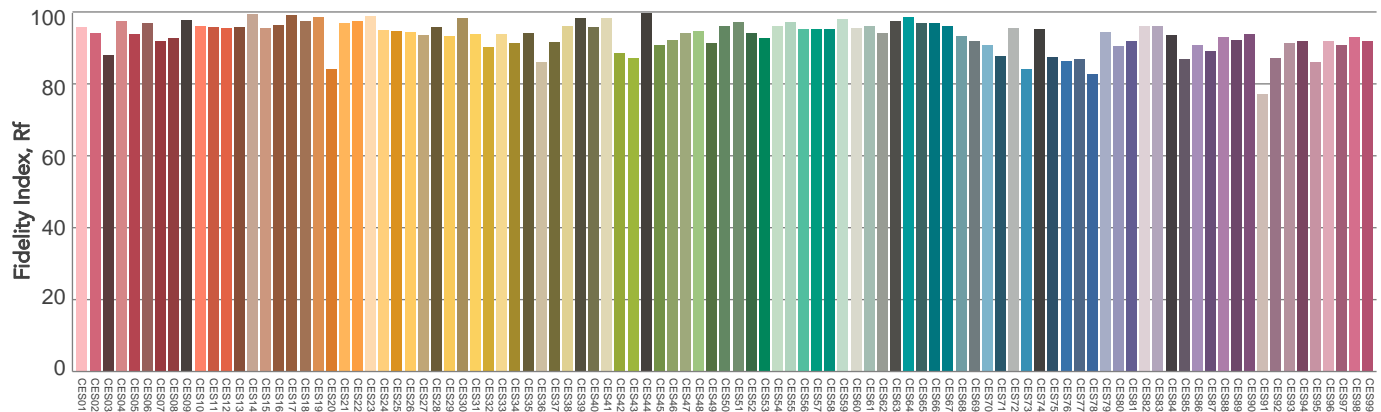
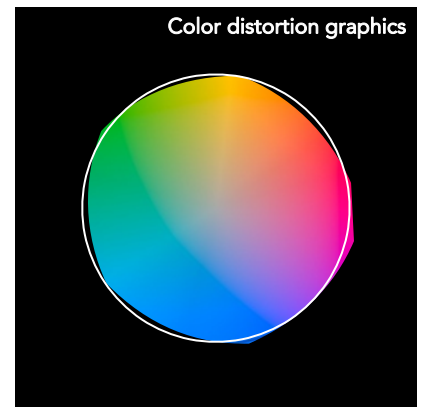
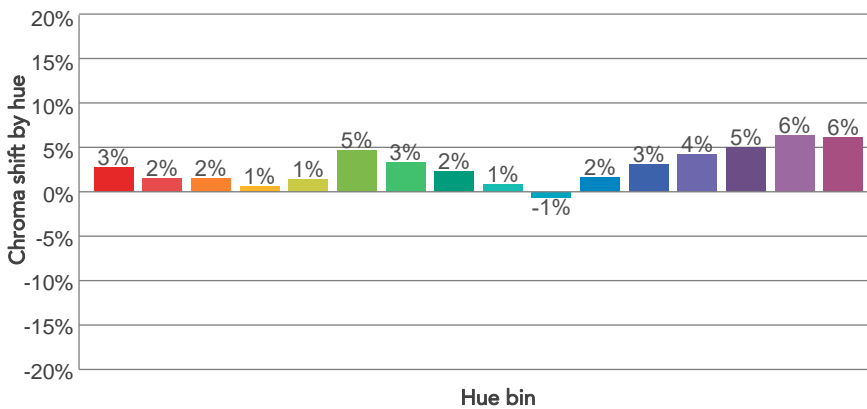
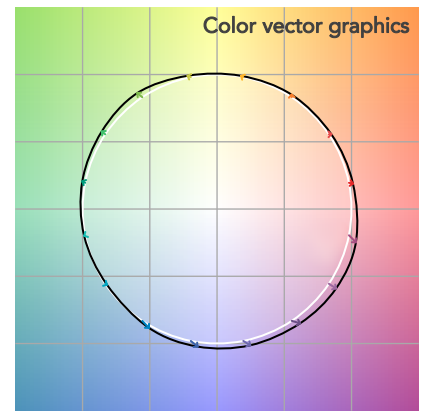
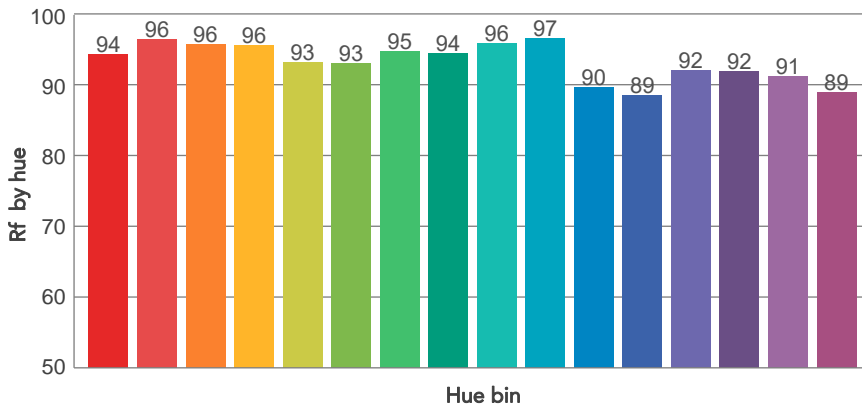
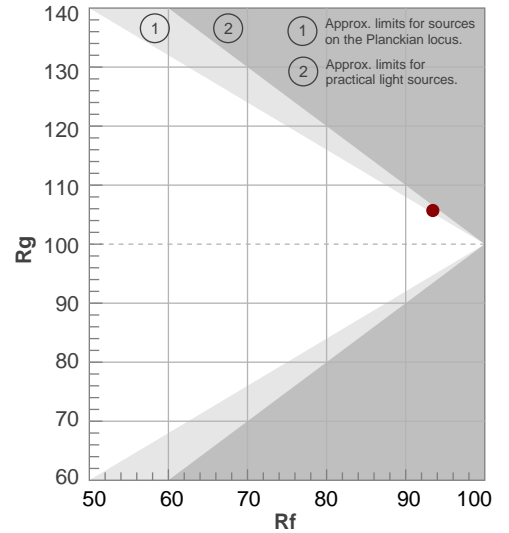
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4041 K	93,6	75,1	93,4	105,7	95,4	97	0,376	0,363	-0,0051

TM30 DETAILS

Rf 93,4
Fidelity index Rf

Rg 105,7
Gammut index

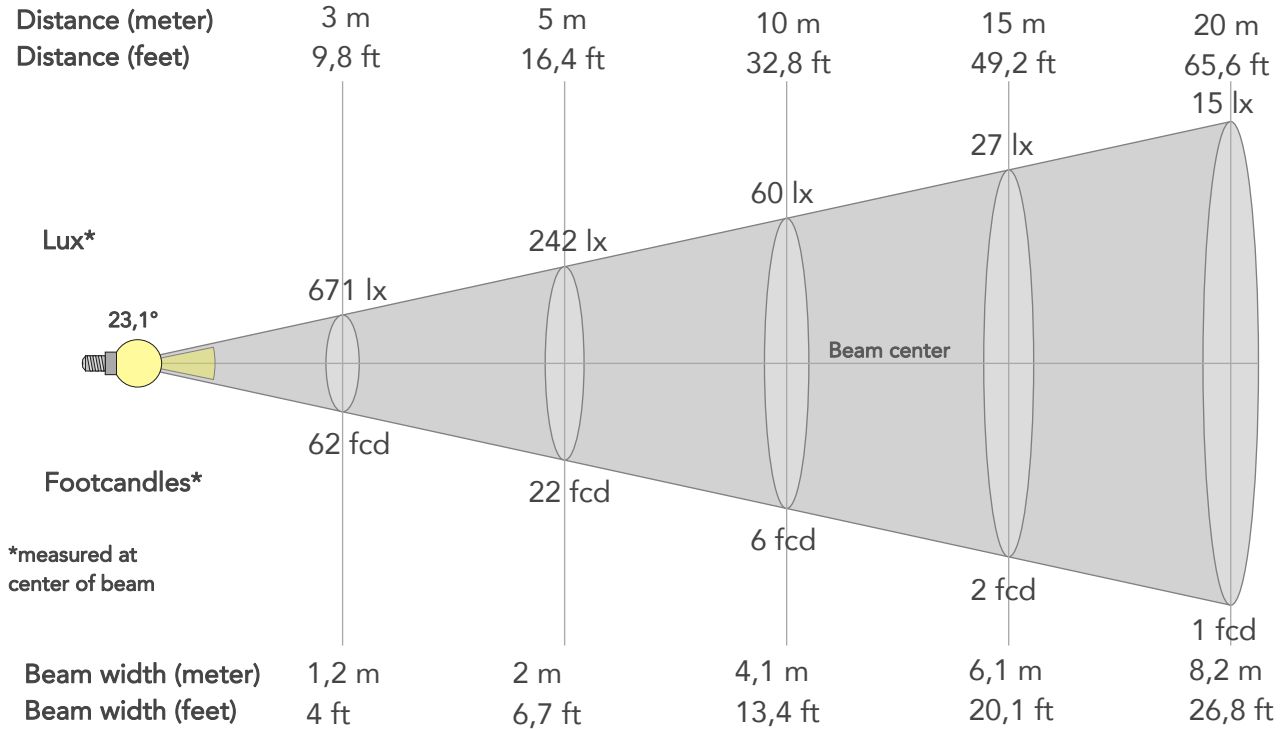
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	3%	-1%
2	96	2%	-1%
3	96	2%	1%
4	96	1%	2%
5	93	1%	2%
6	93	5%	1%
7	95	3%	0%
8	94	2%	-1%
9	96	1%	0%
10	97	-1%	1%
11	90	2%	7%
12	89	3%	6%
13	92	4%	4%
14	92	5%	4%
15	91	6%	0%
16	89	6%	-4%



BEAM DETAILS



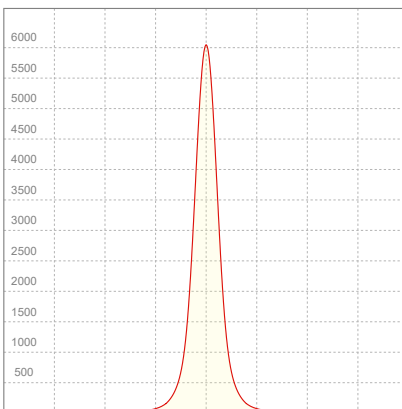
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,1°	46,8°	72,5°	97,2%	93,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6040lx	1510lx	671lx	377lx	242lx	107lx	60lx	27lx	15lx	10lx	7lx	4lx	2lx
Footcand.	561fcd	140fcd	62fcd	35fcd	22fcd	10fcd	6fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3,1m	4,1m	6,1m	8,2m	10,2m	12,3m	16,4m	20,5m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,7ft	10,1ft	13,4ft	20,1ft	26,8ft	33,6ft	40,3ft	53,7ft	67,1ft

LINEAR DISTRIBUTION DIAGRAM

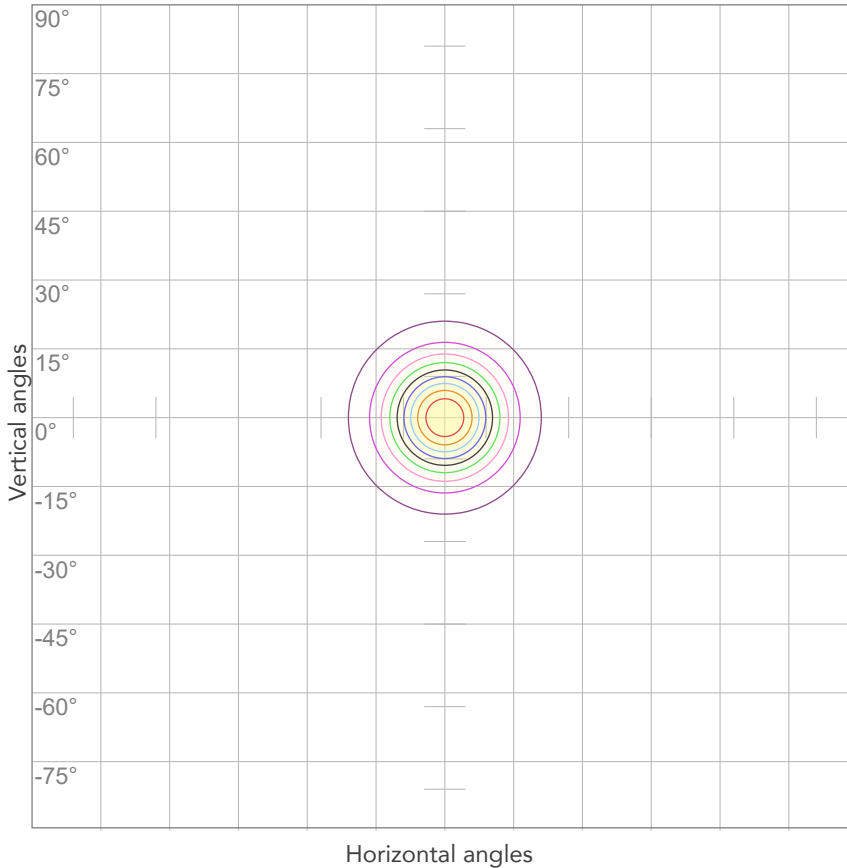


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,144A	31,1W	0,95	47lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



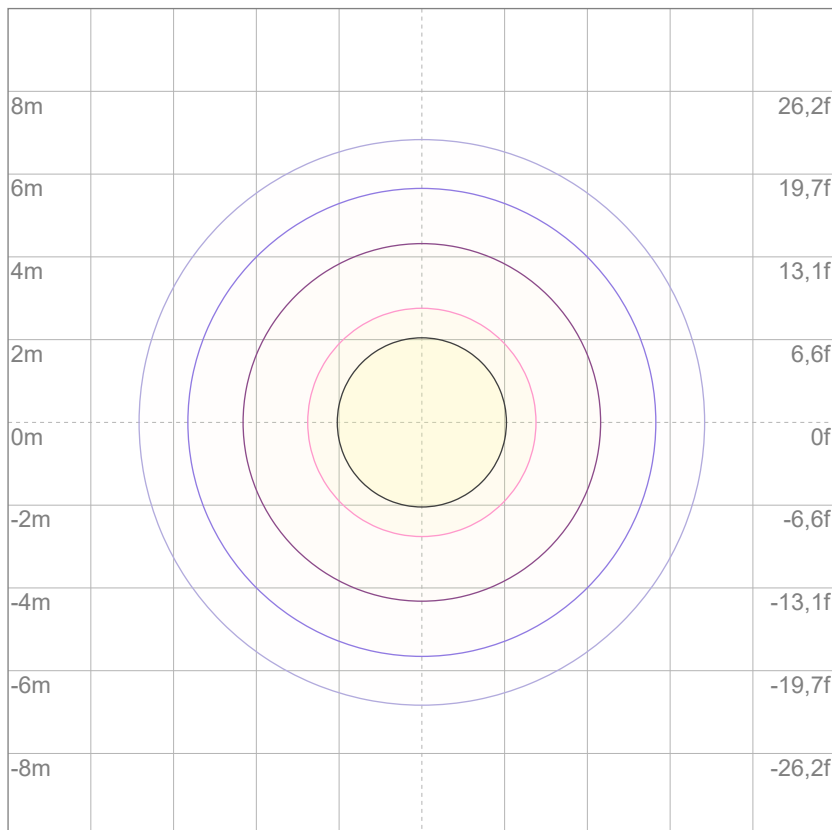
10%	604 cd
20%	1208 cd
30%	1812 cd
40%	2416 cd
50%	3020 cd
60%	3624 cd
70%	4228 cd
80%	4832 cd

Conditions:

Number of c-planes: 2

Candela at center: 6040 cd

ISO LUX DIAGRAM



3%	1,81 lx
5%	3,02 lx
10%	6,04 lx
30%	18,1 lx
50%	30,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 60,4 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1425 lm

Peak candela output:

1761 cd

Light quality:

CRI: 93,6

Color temperature:

4052 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

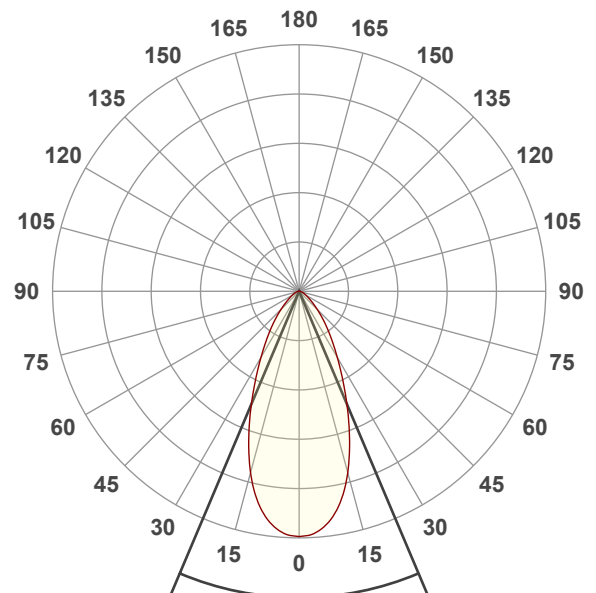
4000K

Operator:

Salvatore Giglio

Date and time:

19/02/2024 17:39:39

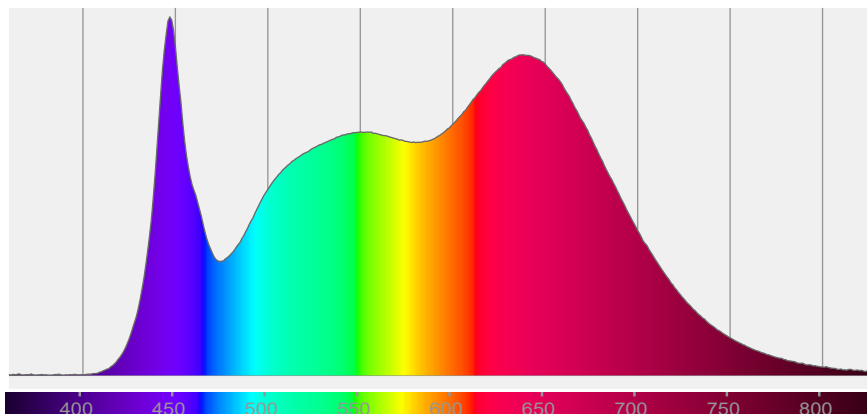


Beam angle 50%: 45,9°

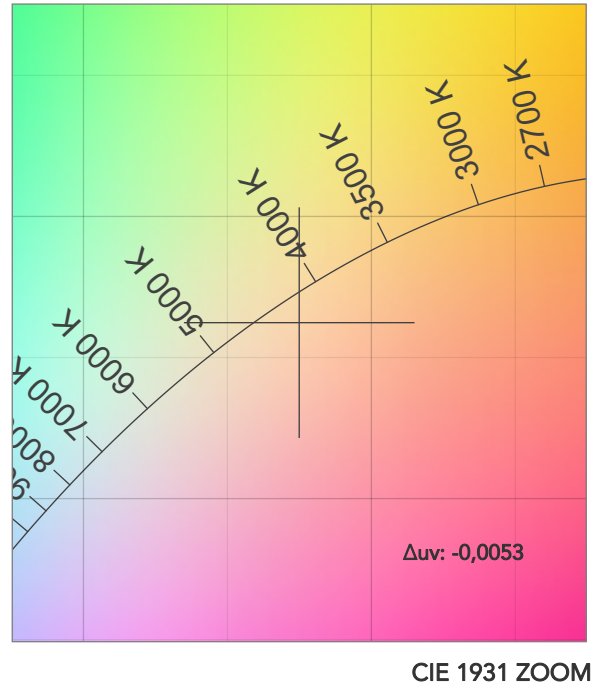
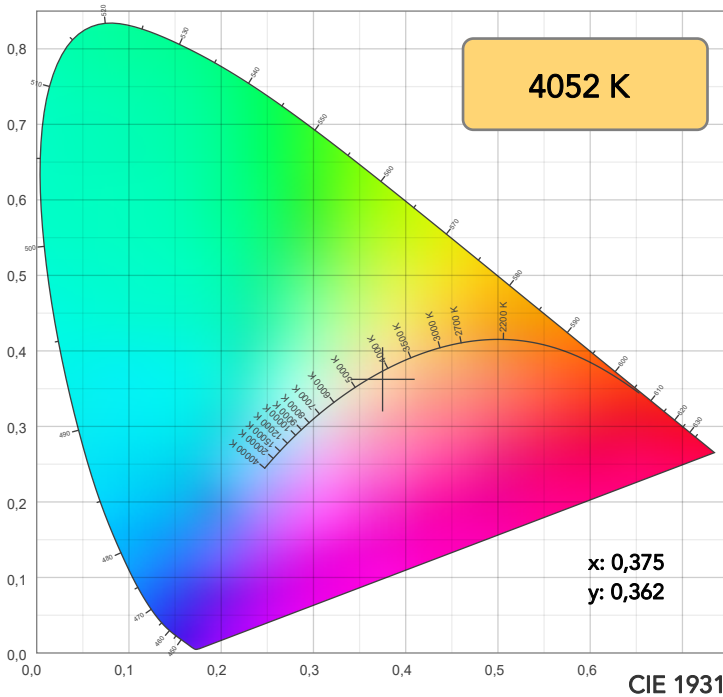
Field angle 10%: 91,2°

Cut off angle 2.5%: 128,3°

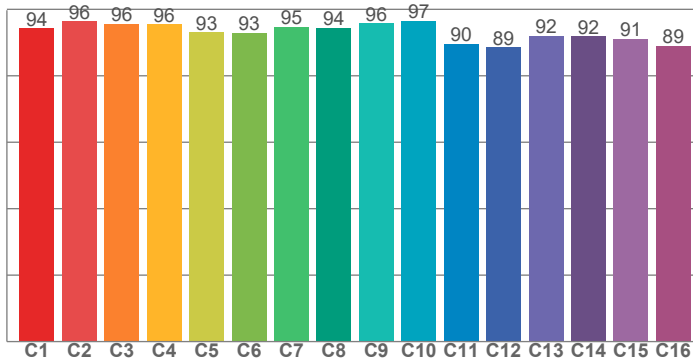
Spectra



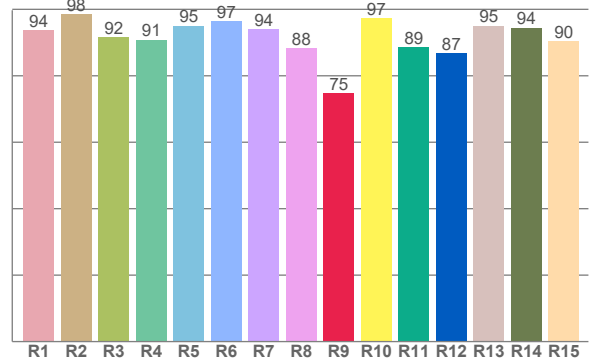
COLOR DETAILS



TM30: 93,4



CRI: 93,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,7	98,4	91,6	90,8	95,1	96,5	94,1	88,4	74,8	97,4	88,6	86,9	95,1	94,5	90,4

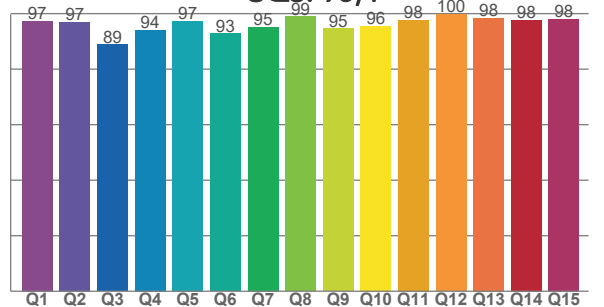
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,3	96,4	95,6	95,5	93,1	93,0	94,7	94,4	95,8	96,5	89,5	88,5	92,0	91,8	91,1	88,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,4	97,0	88,9	94,1	97,4	92,8	95,3	98,9	94,6	95,5	97,6	99,8	98,4	97,6	98,0

CQS: 95,4



COLOR PARAMETERS

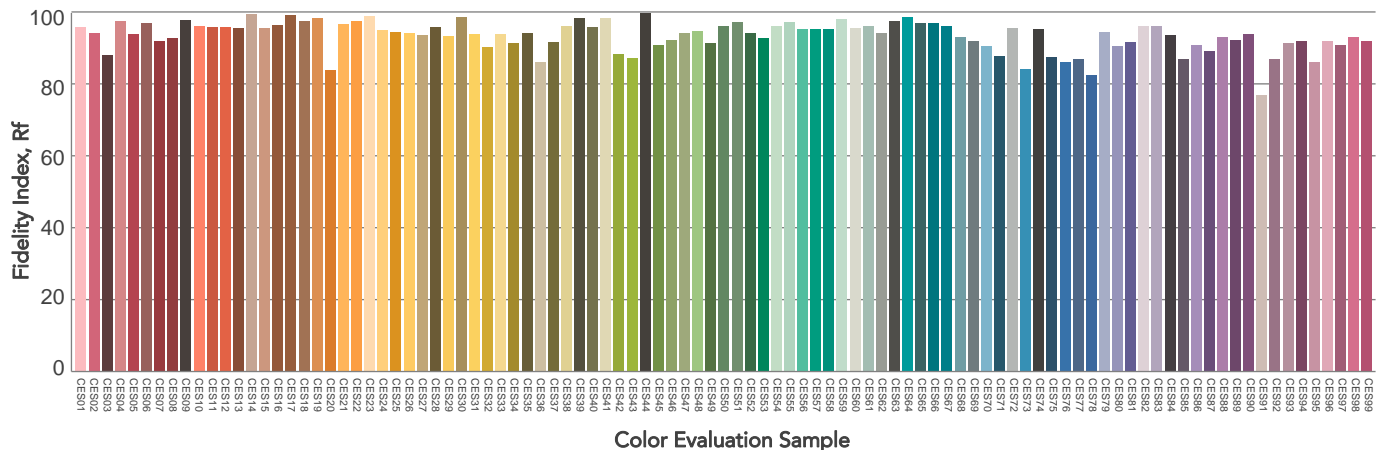
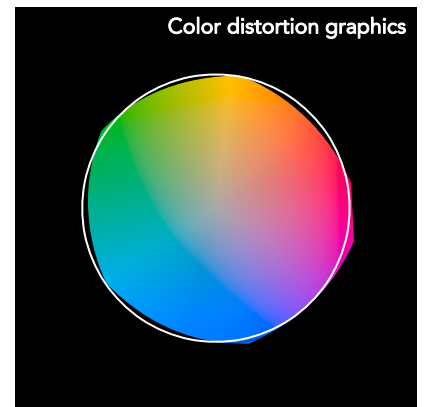
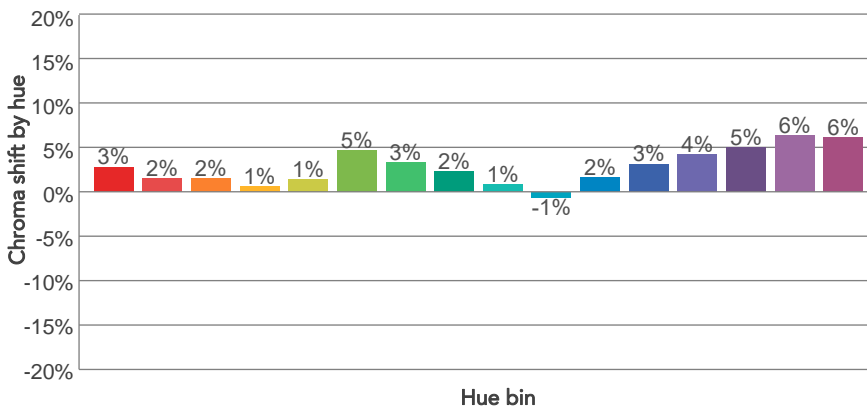
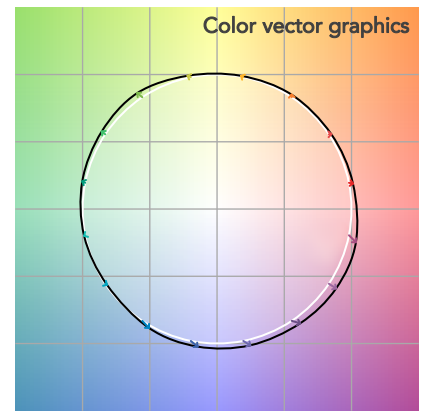
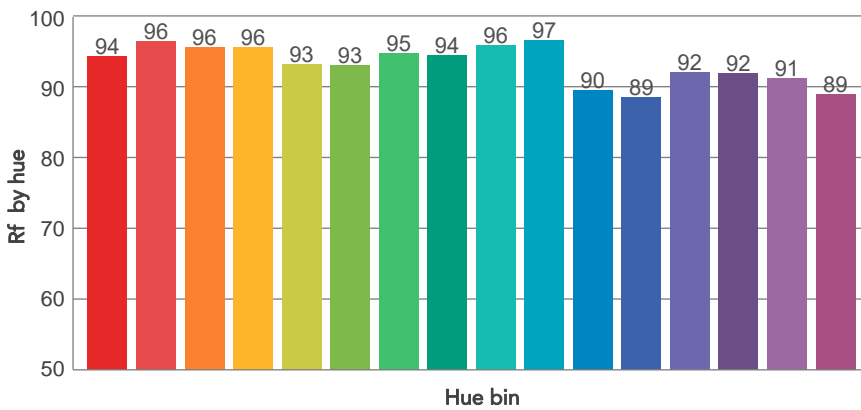
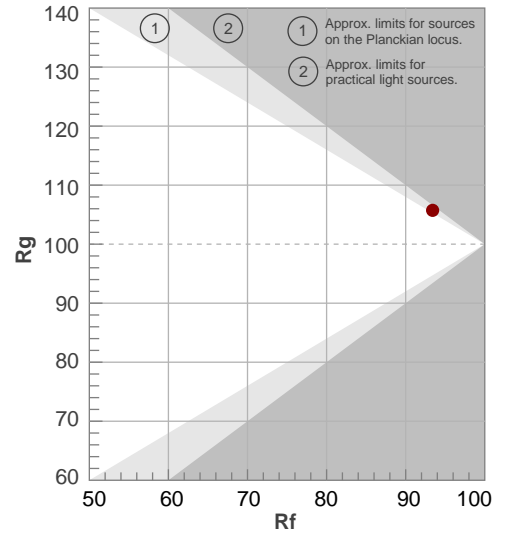
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4052 K	93,6	74,8	93,4	105,7	95,4	97	0,375	0,362	-0,0053

TM30 DETAILS

Rf 93,4
Fidelity index Rf

Rg 105,7
Gammut index

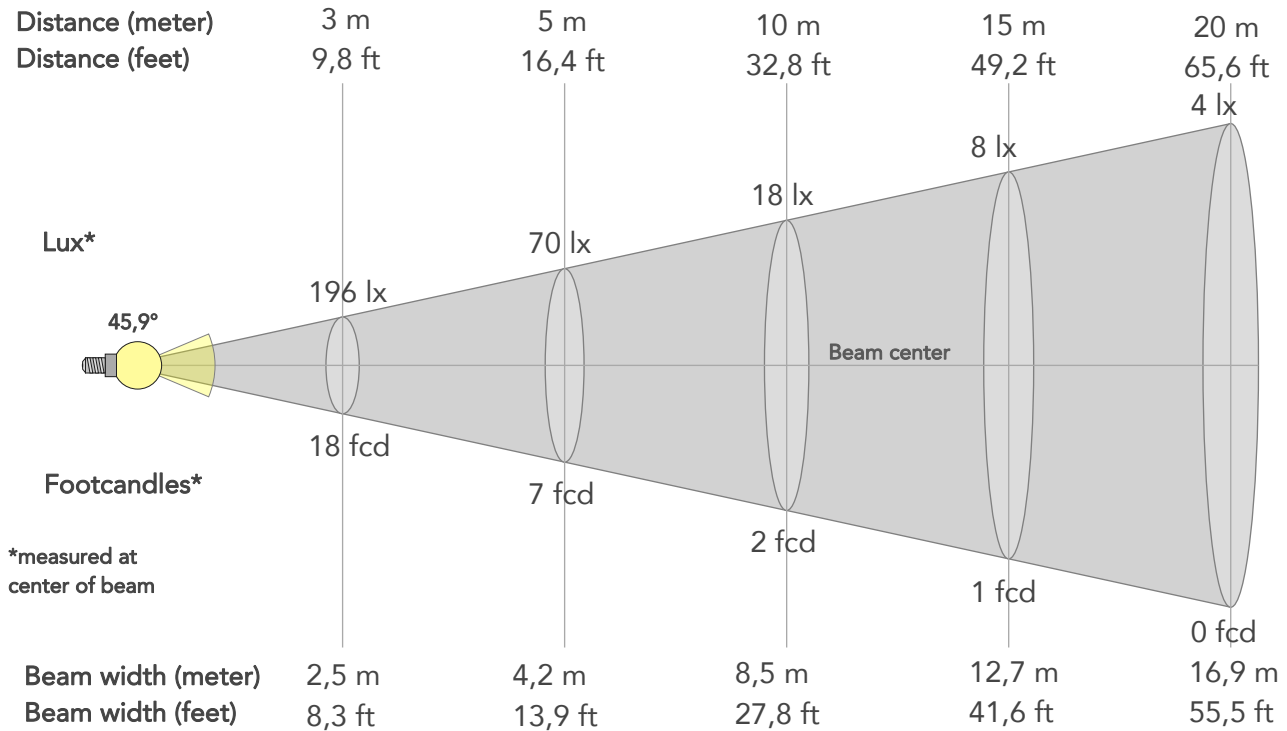
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	3%	-1%
2	96	2%	-1%
3	96	2%	1%
4	96	1%	2%
5	93	1%	2%
6	93	5%	1%
7	95	3%	0%
8	94	2%	-1%
9	96	1%	0%
10	97	-1%	1%
11	90	2%	7%
12	89	3%	6%
13	92	4%	4%
14	92	5%	4%
15	91	6%	0%
16	89	6%	-4%



BEAM DETAILS



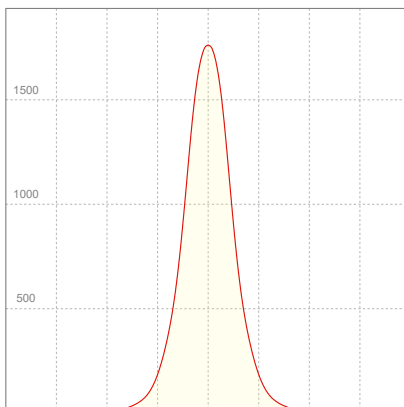
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,9°	91,2°	128,3°	94,8%	85,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1761lx	440lx	196lx	110lx	70lx	31lx	18lx	8lx	4lx	3lx	2lx	1lx	1lx
Footcand.	164fcd	41fcd	18fcd	10fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,4m	4,2m	6,3m	8,5m	12,7m	16,9m	21,2m	25,4m	33,9m	42,3m
Beam wid.	2,8ft	5,6ft	8,3ft	11,1ft	13,9ft	20,8ft	27,8ft	41,6ft	55,5ft	69,4ft	83,3ft	111,1ft	138,8ft

LINEAR DISTRIBUTION DIAGRAM

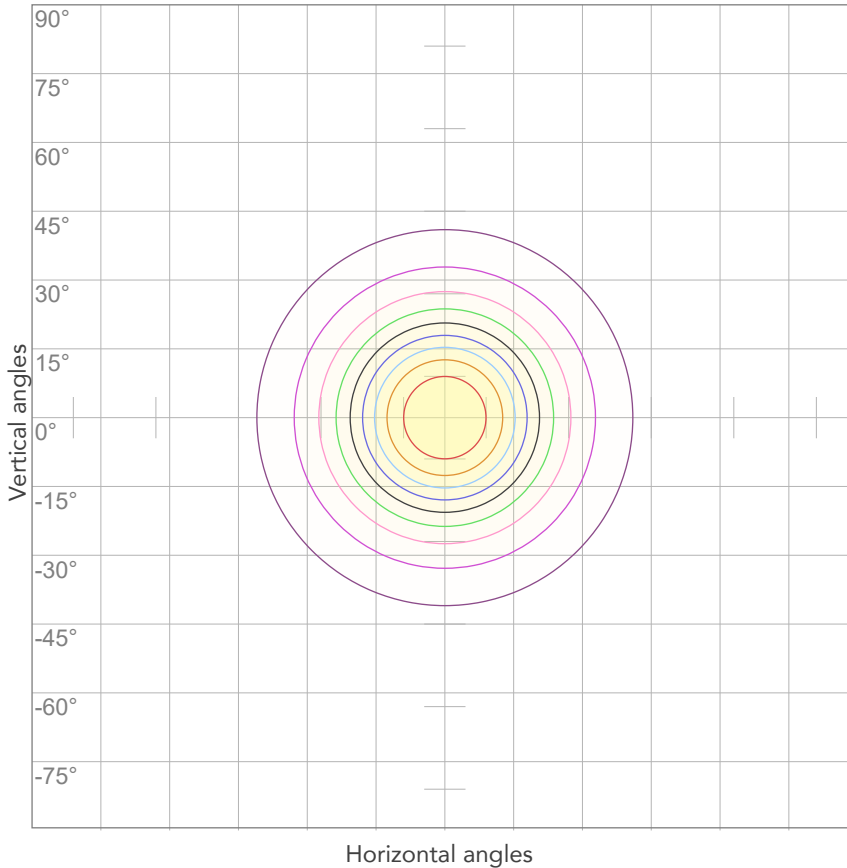


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,144A	31,1W	0,95	46lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



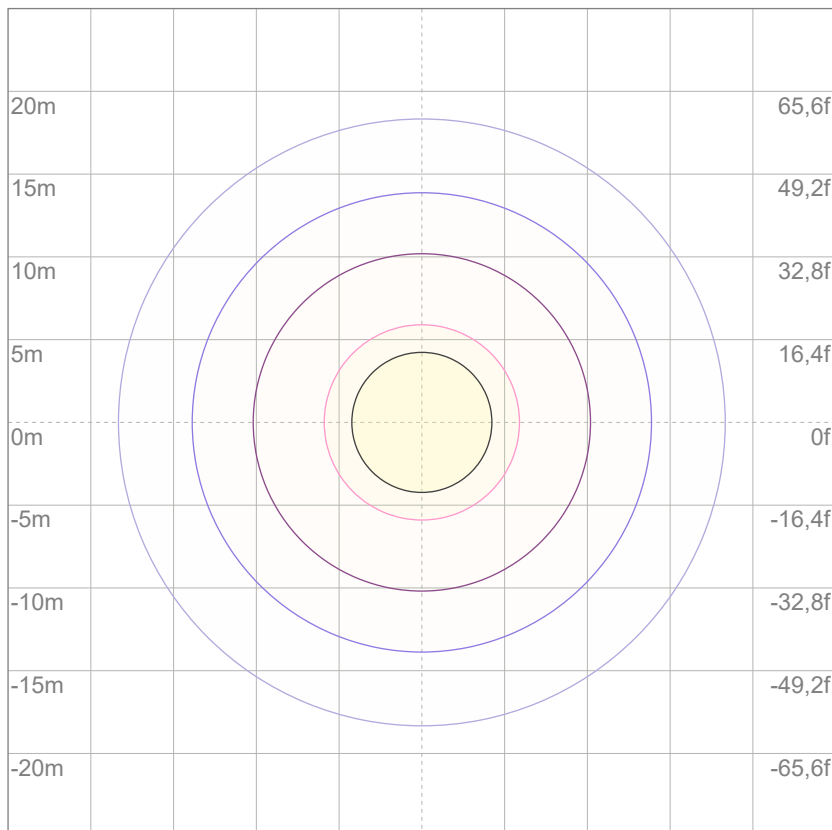
10%	176 cd
20%	352 cd
30%	528 cd
40%	704 cd
50%	881 cd
60%	1057 cd
70%	1233 cd
80%	1409 cd

Conditions:

Number of c-planes: 2

Candela at center: 1761 cd

ISO LUX DIAGRAM



3%	0,528 lx
5%	0,881 lx
10%	1,76 lx
30%	5,28 lx
50%	8,81 lx

Conditions:

Number of c-planes: 2

Lux at center: 17,6 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1431 lm

Peak candela output:

1306 cd

Light quality:

CRI: 93,8

Color temperature:

4071 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

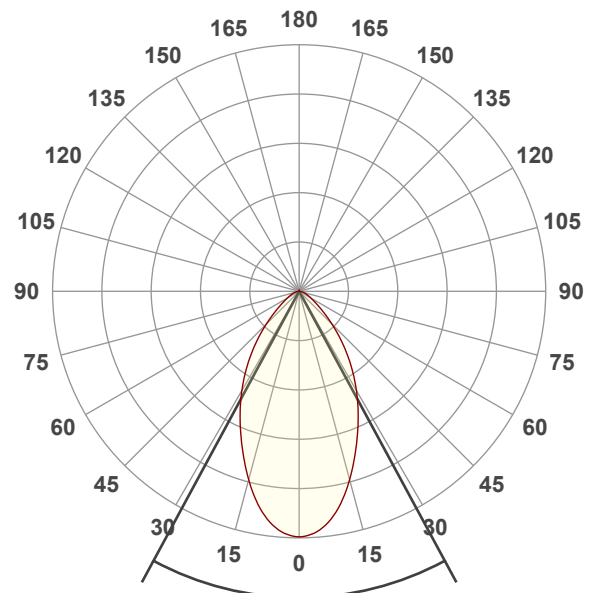
4000K

Operator:

Salvatore Giglio

Date and time:

20/02/2024 09:23:47

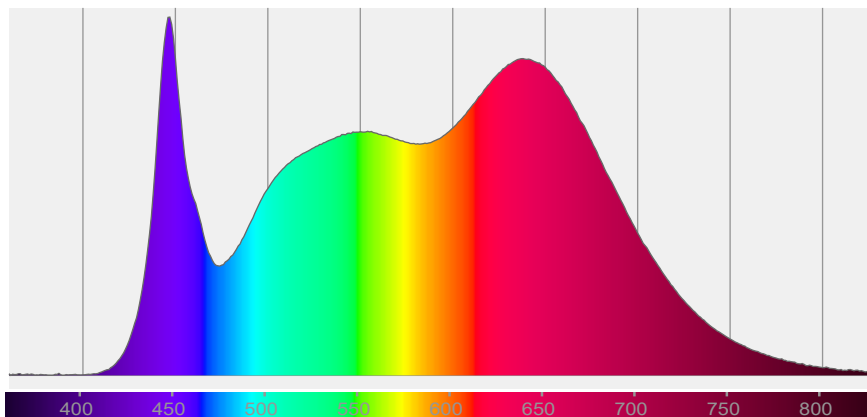


Beam angle 50%: 56,8°

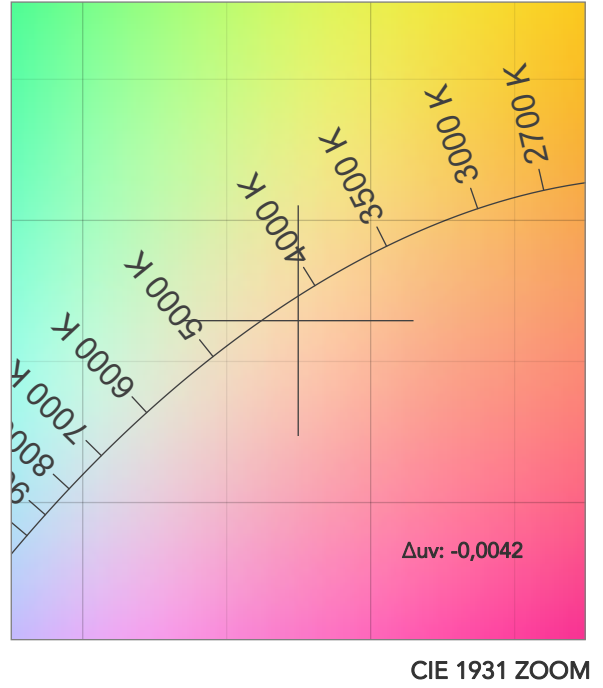
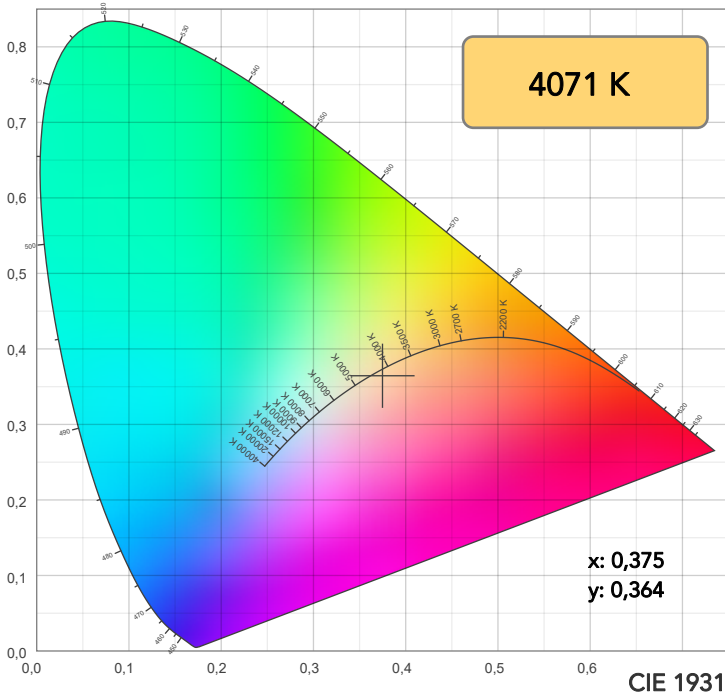
Field angle 10%: 105,2°

Cut off angle 2.5%: 142,9°

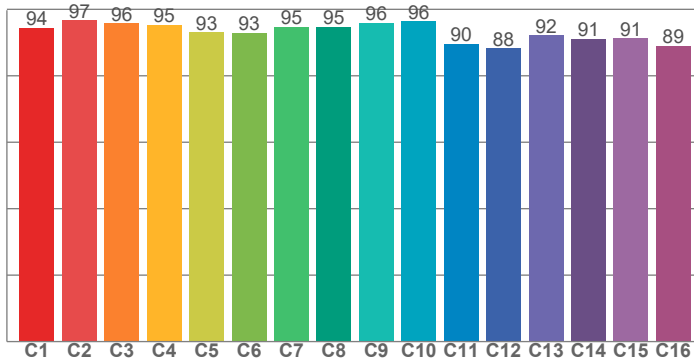
Spectra



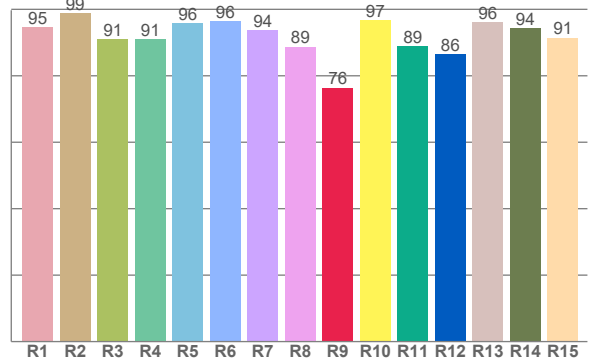
COLOR DETAILS



TM30: 93,4



CRI: 93,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,6	98,7	91,1	91,0	95,9	96,4	93,7	88,7	76,4	96,7	89,0	86,5	96,0	94,3	91,4

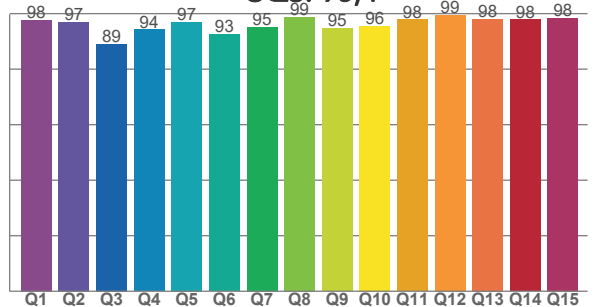
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,4	96,6	95,8	95,3	93,1	92,9	94,7	94,6	96,0	96,4	89,5	88,2	92,1	91,2	91,2	88,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,7	97,0	89,1	94,3	97,0	92,6	95,2	98,8	94,7	95,6	97,8	99,5	98,0	97,9	98,4

CQS: 95,4



COLOR PARAMETERS

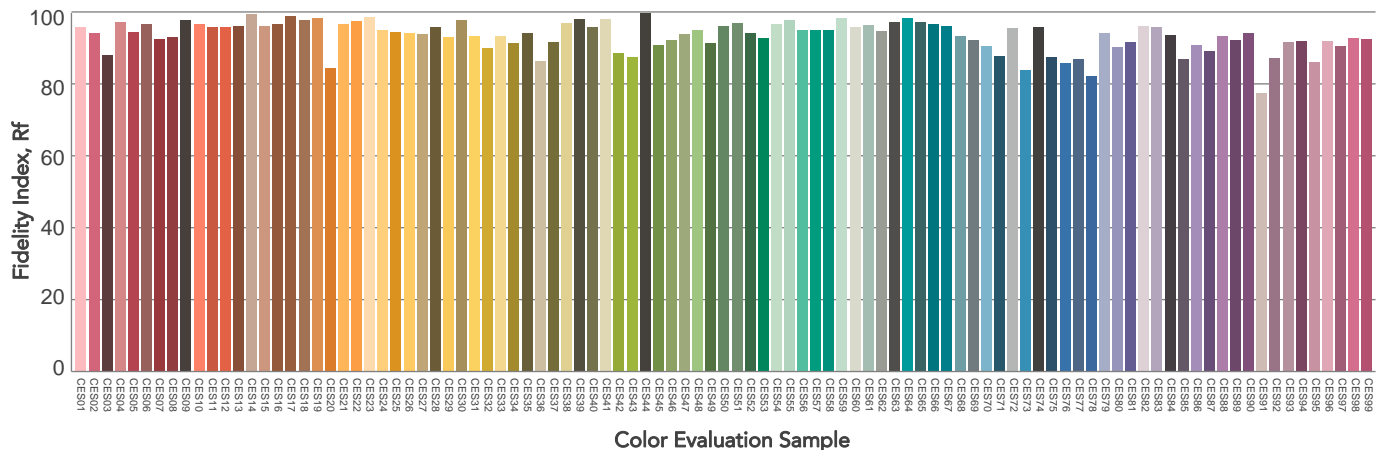
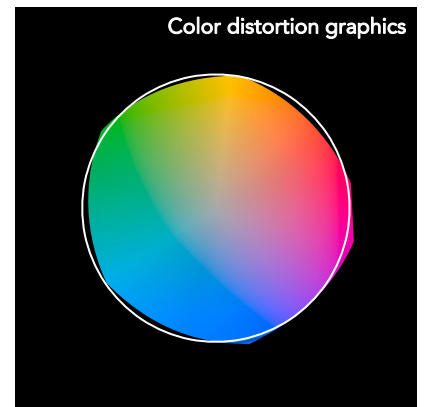
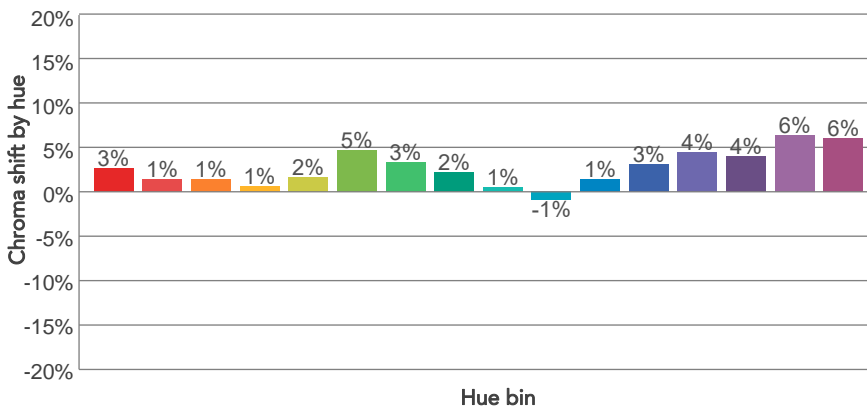
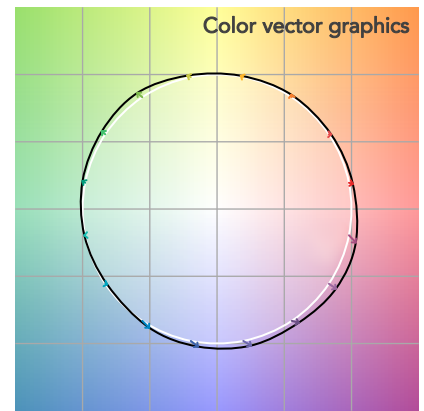
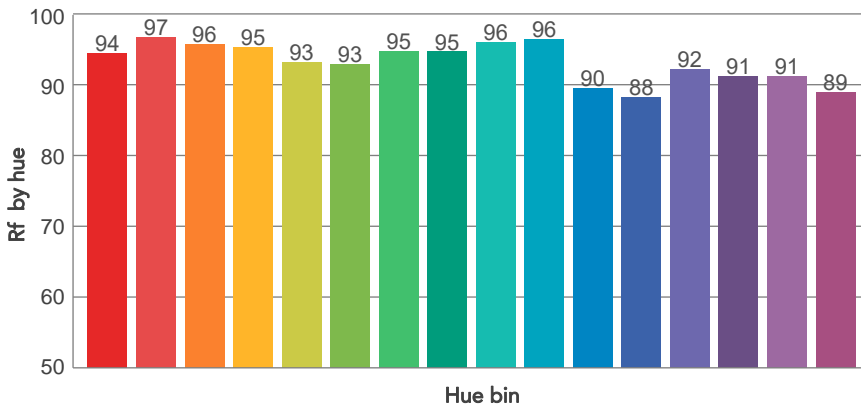
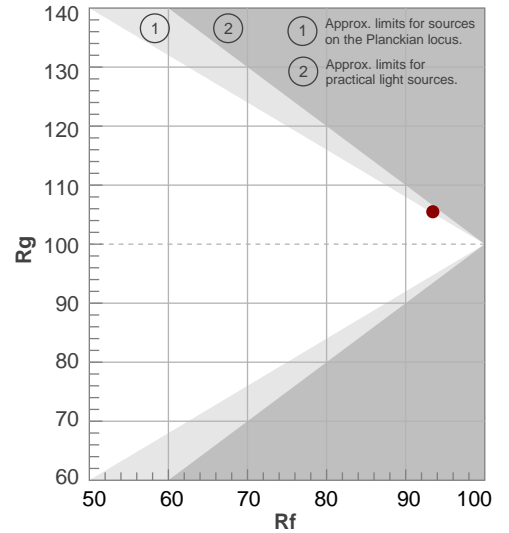
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4071 K	93,8	76,4	93,4	105,5	95,4	97	0,375	0,364	-0,0042

TM30 DETAILS

Rf 93,4
Fidelity index Rf

Rg 105,5
Gammut index

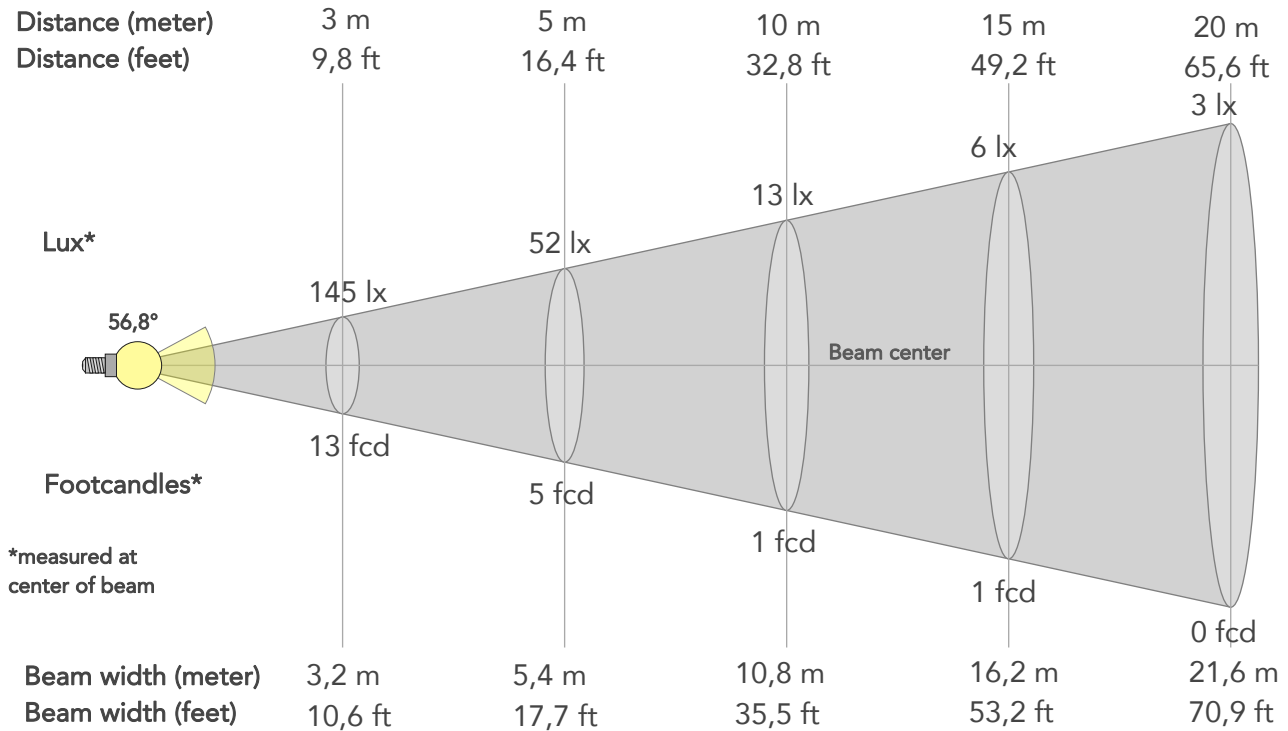
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	3%	-1%
2	97	1%	-1%
3	96	1%	1%
4	95	1%	2%
5	93	2%	2%
6	93	5%	1%
7	95	3%	-1%
8	95	2%	-1%
9	96	1%	0%
10	96	-1%	1%
11	90	1%	7%
12	88	3%	6%
13	92	4%	5%
14	91	4%	4%
15	91	6%	0%
16	89	6%	-4%



BEAM DETAILS



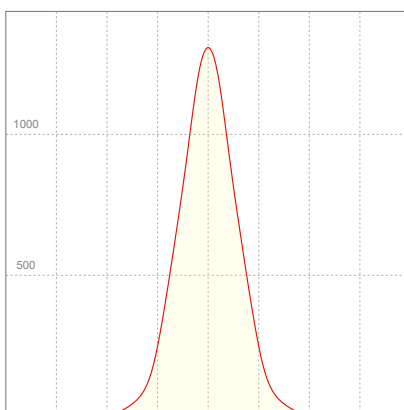
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,8°	105,2°	142,9°	93,7%	81,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1306lx	326lx	145lx	82lx	52lx	23lx	13lx	6lx	3lx	2lx	1lx	1lx	1lx
Footcand.	121fcd	30fcd	13fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,2m	4,3m	5,4m	8,1m	10,8m	16,2m	21,6m	27m	32,4m	43,2m	54,1m
Beam wid.	3,6ft	7,1ft	10,6ft	14,2ft	17,7ft	26,6ft	35,5ft	53,2ft	70,9ft	88,6ft	106,4ft	141,8ft	177,3ft

LINEAR DISTRIBUTION DIAGRAM

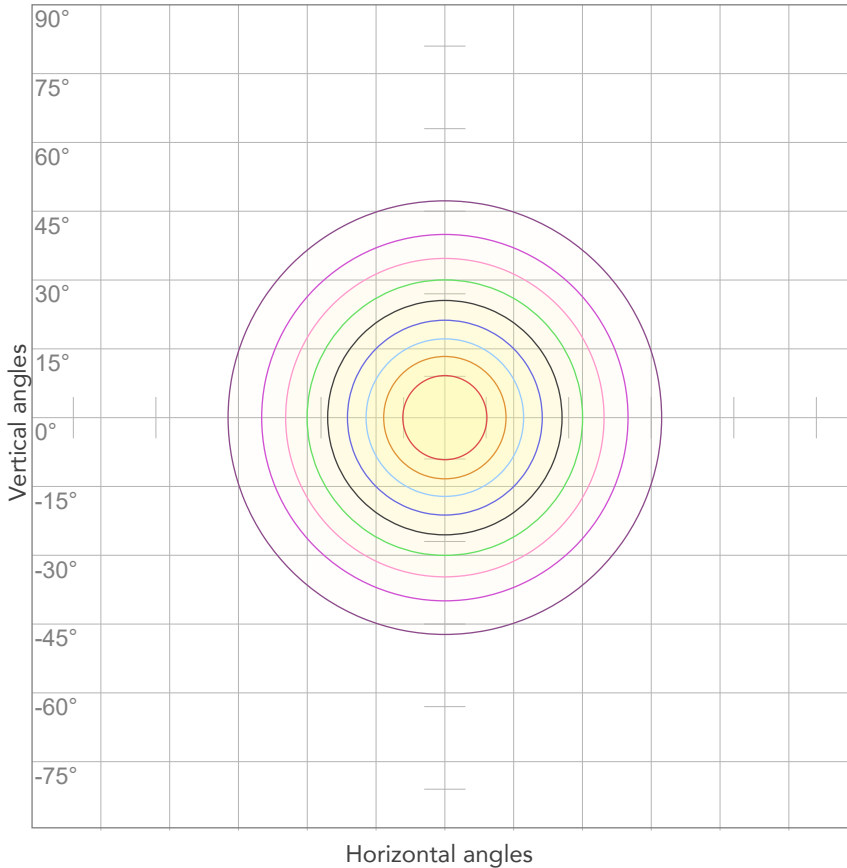


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
223V	0,149A	31,5W	0,95	45lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



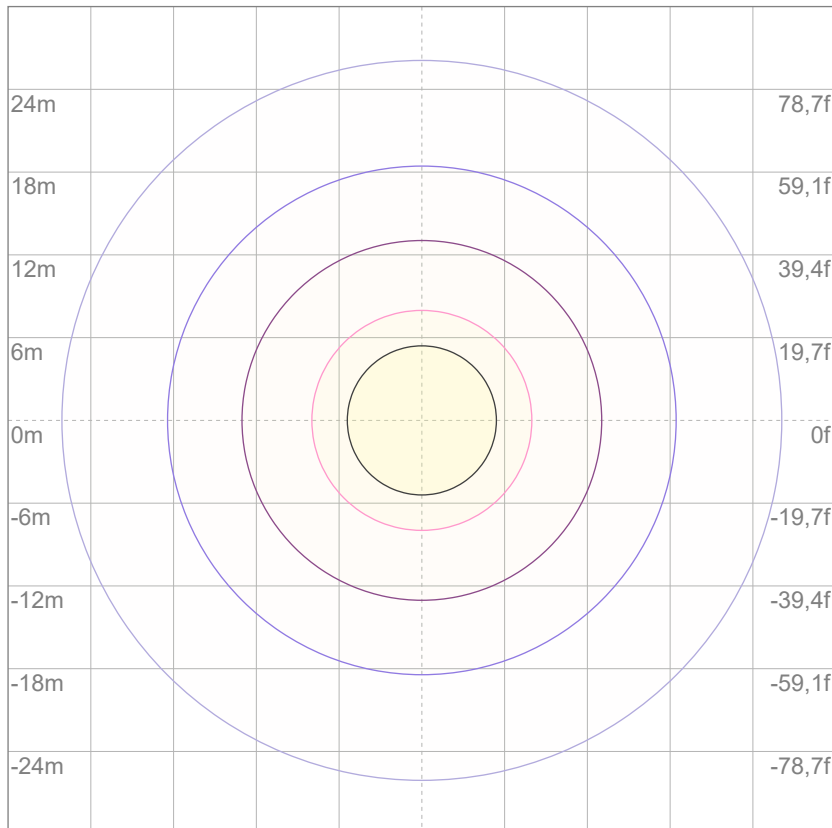
10%	131 cd
20%	261 cd
30%	392 cd
40%	522 cd
50%	653 cd
60%	784 cd
70%	914 cd
80%	1045 cd

Conditions:

Number of c-planes: 2

Candela at center: 1306 cd

ISO LUX DIAGRAM



3%	0,392 lx
5%	0,653 lx
10%	1,31 lx
30%	3,92 lx
50%	6,53 lx

Conditions:

Number of c-planes: 2

Lux at center: 13,1 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

2243 lm

Peak candela output:

4565 cd

Light quality:

CRI: 93,8

Color temperature:

4053 K

PRODUCT NAME:

ARCSPOTS VW

MEASUREMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

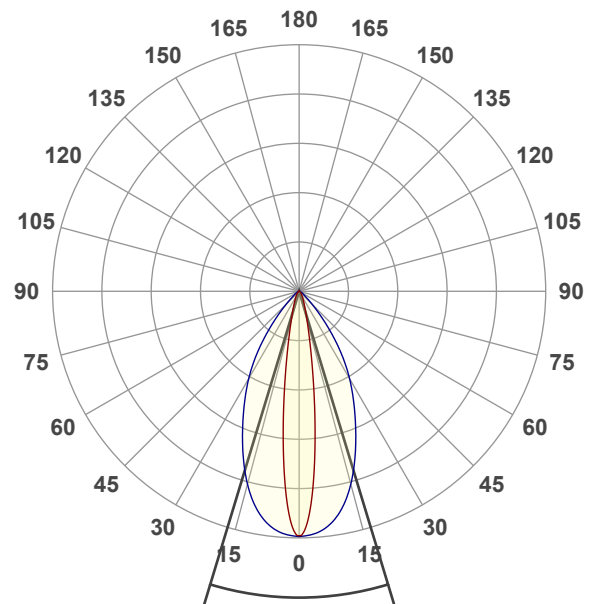
4000K

Operator:

Salvatore Giglio

Date and time:

20/02/2024 10:53:47

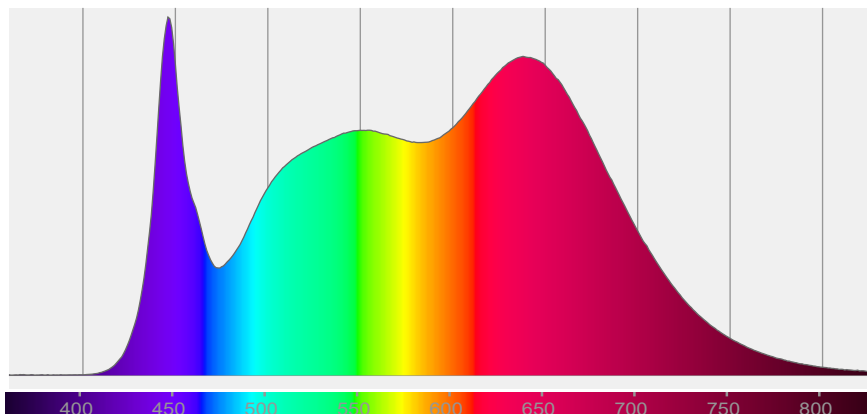


Beam angle 50%: 33,7°

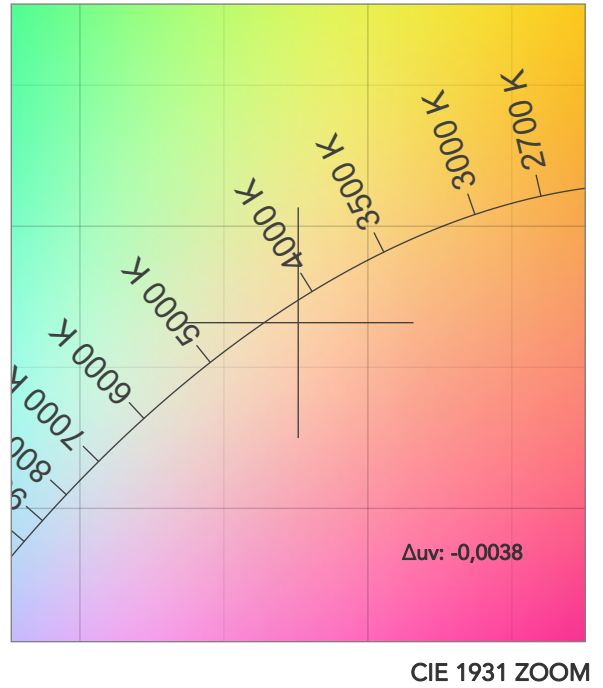
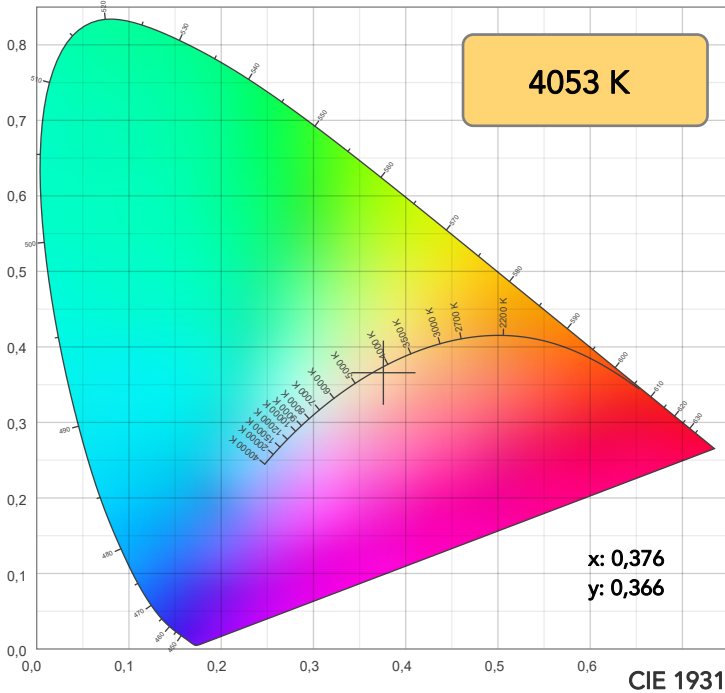
Field angle 10%: 59,9°

Cut off angle 2.5%: 84,4°

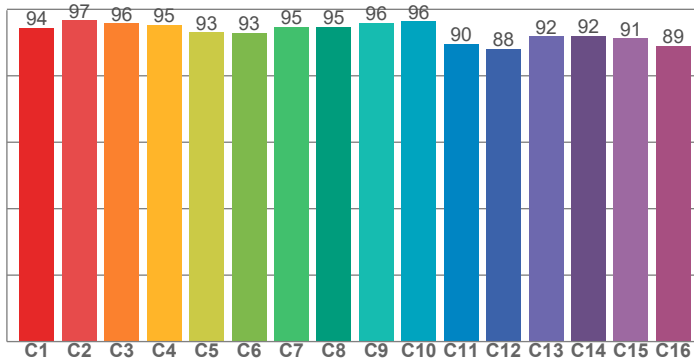
Spectra



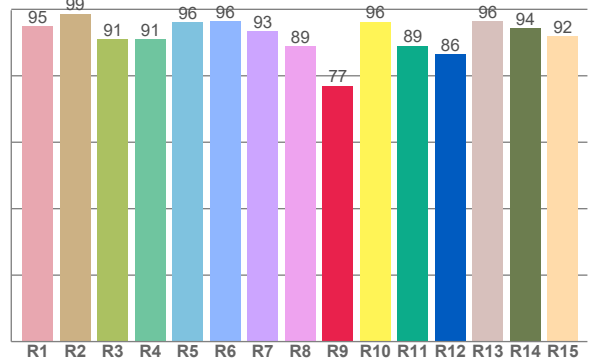
COLOR DETAILS



TM30: 93,4



CRI: 93,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,9	98,7	90,9	91,0	96,1	96,4	93,5	88,8	77,0	96,2	89,1	86,5	96,4	94,2	91,8

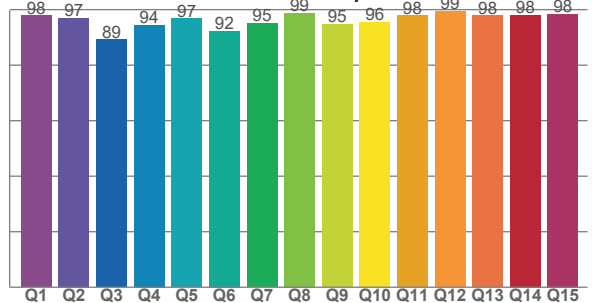
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,4	96,7	95,8	95,2	93,1	92,9	94,7	94,7	96,0	96,4	89,6	88,2	91,9	92,0	91,3	88,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,8	97,0	89,2	94,4	96,7	92,3	95,1	98,8	94,7	95,5	97,8	99,4	97,9	98,0	98,5

CQS: 95,4



COLOR PARAMETERS

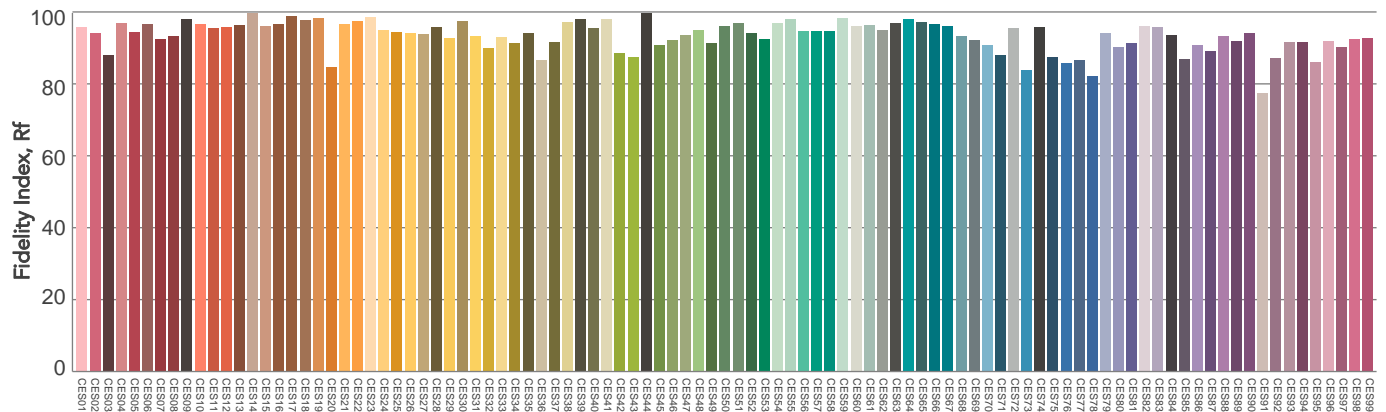
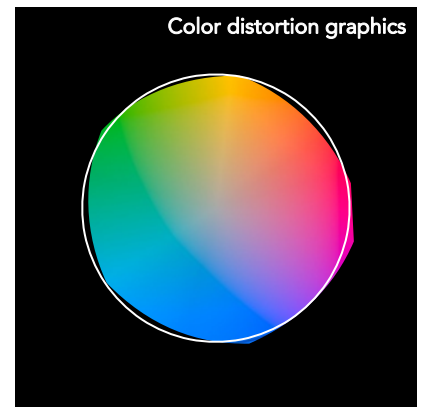
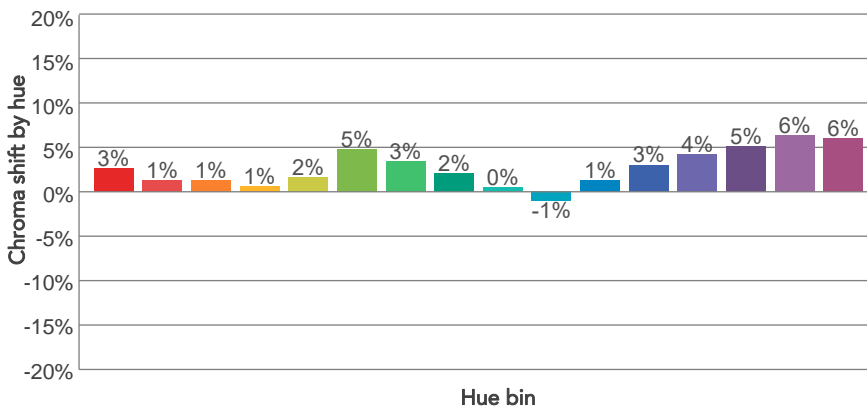
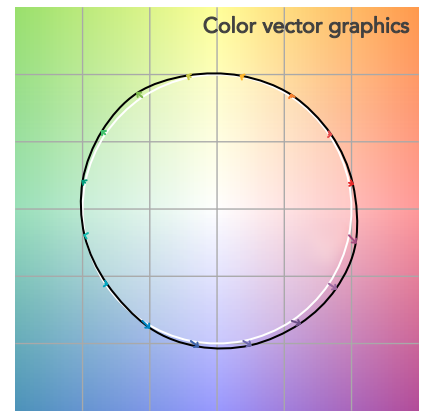
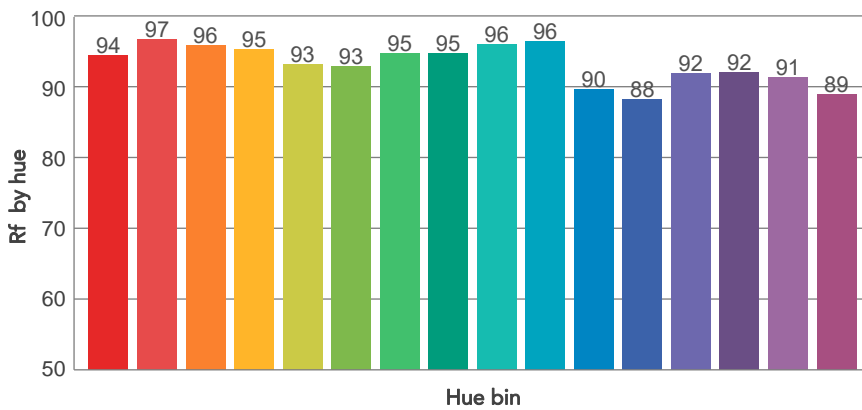
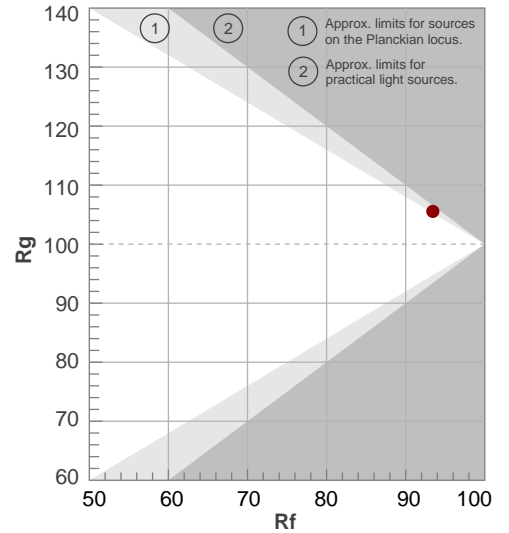
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4053 K	93,8	77,0	93,4	105,5	95,4	97	0,376	0,366	-0,0038

TM30 DETAILS

Rf 93,4
Fidelity index Rf

Rg 105,5
Gammut index

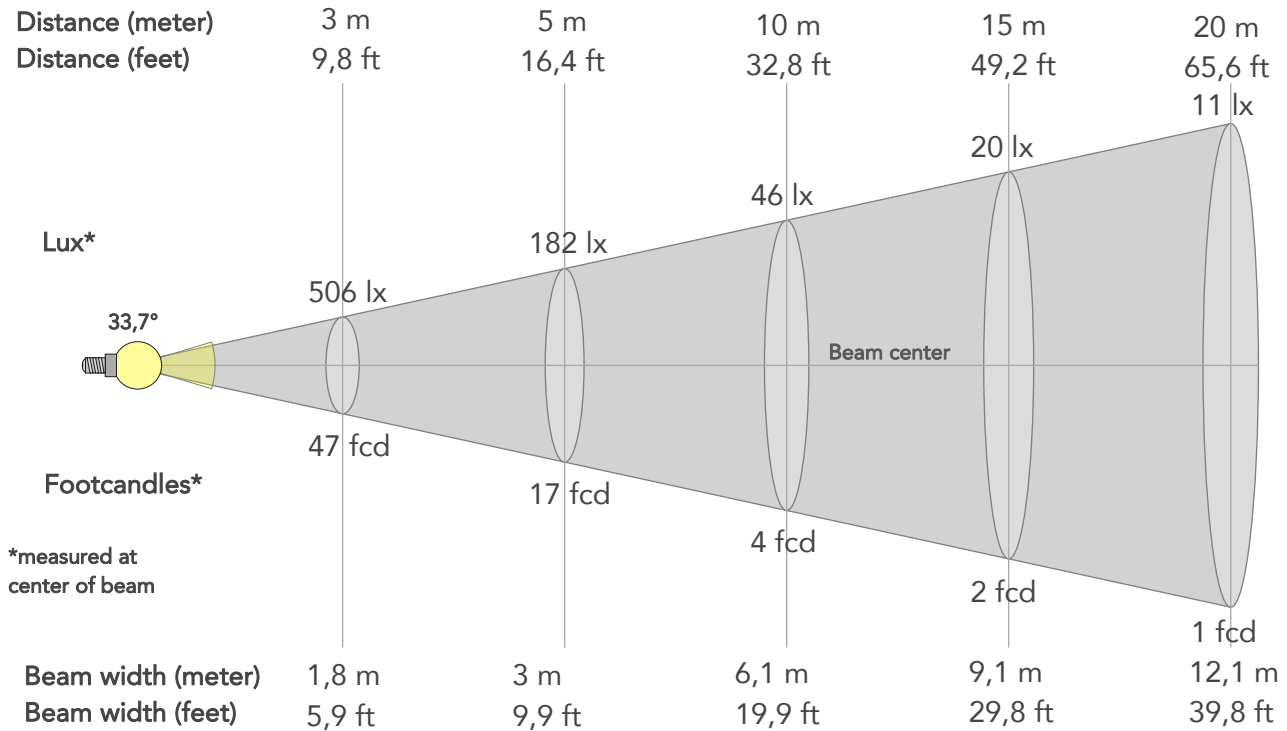
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	3%	-1%
2	97	1%	-1%
3	96	1%	1%
4	95	1%	2%
5	93	2%	2%
6	93	5%	1%
7	95	3%	-1%
8	95	2%	-1%
9	96	0%	0%
10	96	-1%	1%
11	90	1%	7%
12	88	3%	6%
13	92	4%	5%
14	92	5%	4%
15	91	6%	0%
16	89	6%	-4%



BEAM DETAILS



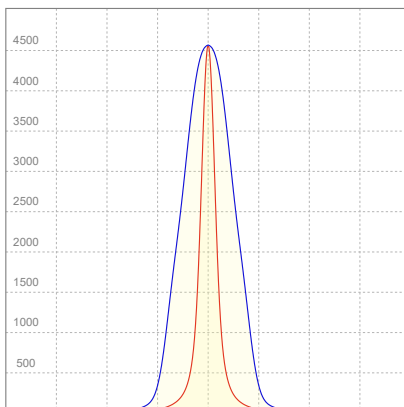
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,7°	59,9°	84,4°	97,4%	92,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	4557lx	1139lx	506lx	285lx	182lx	81lx	46lx	20lx	11lx	7lx	5lx	3lx	2lx
Footcand.	423fcd	106fcd	47fcd	26fcd	17fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6,1m	9,1m	12,1m	15,2m	18,2m	24,3m	30,3m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,9ft	19,9ft	29,8ft	39,8ft	49,7ft	59,7ft	79,6ft	99,5ft

LINEAR DISTRIBUTION DIAGRAM

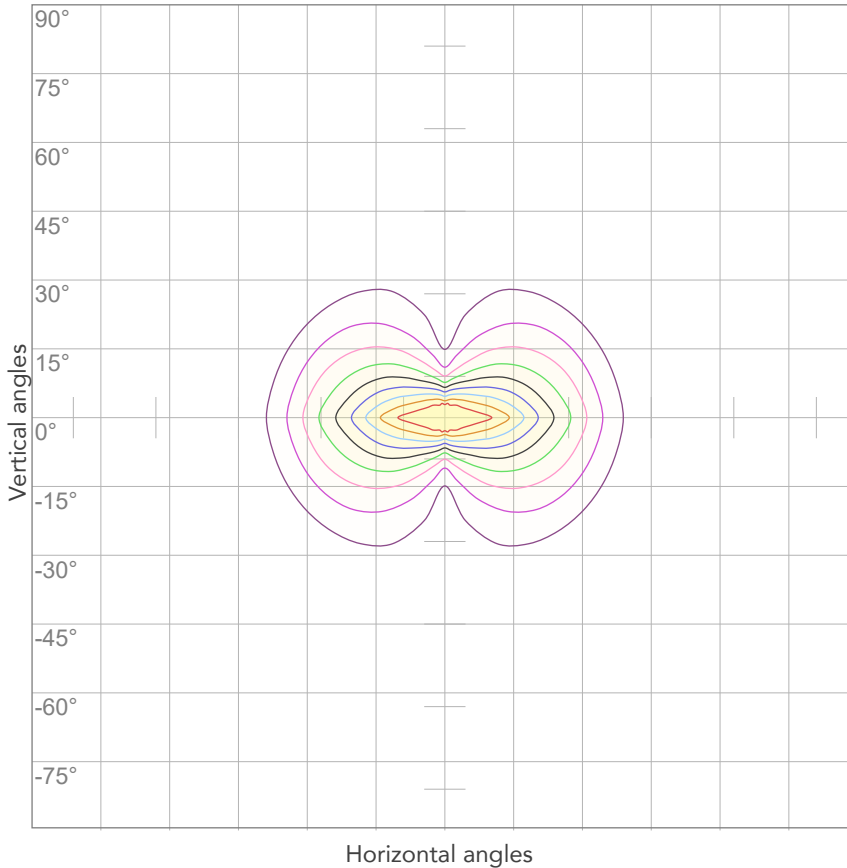


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,146A	31,6W	0,96	71lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



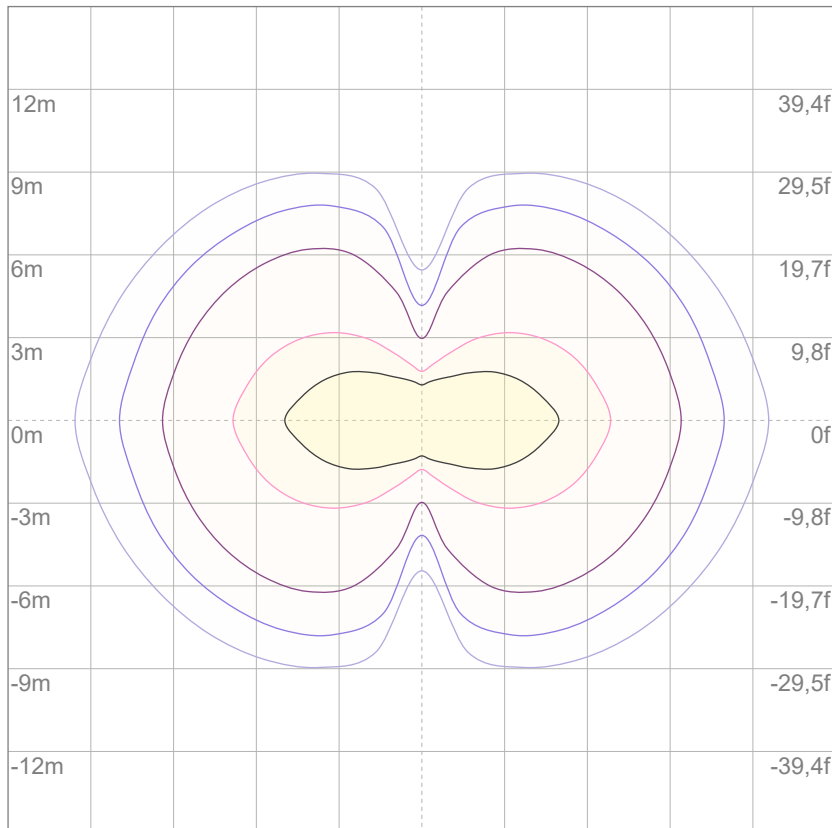
10%	456 cd
20%	911 cd
30%	1367 cd
40%	1823 cd
50%	2278 cd
60%	2734 cd
70%	3190 cd
80%	3646 cd

Conditions:

Number of c-planes: 4

Candela at center: 4557 cd

ISO LUX DIAGRAM



3%	1,37 lx
5%	2,28 lx
10%	4,56 lx
30%	13,7 lx
50%	22,8 lx

Conditions:

Number of c-planes: 4

Lux at center: 45,6 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.



Total lumen output:

1355 lm

Peak candela output:

2231 cd

Light quality:

CRI: 93,6

Color temperature:

4056 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

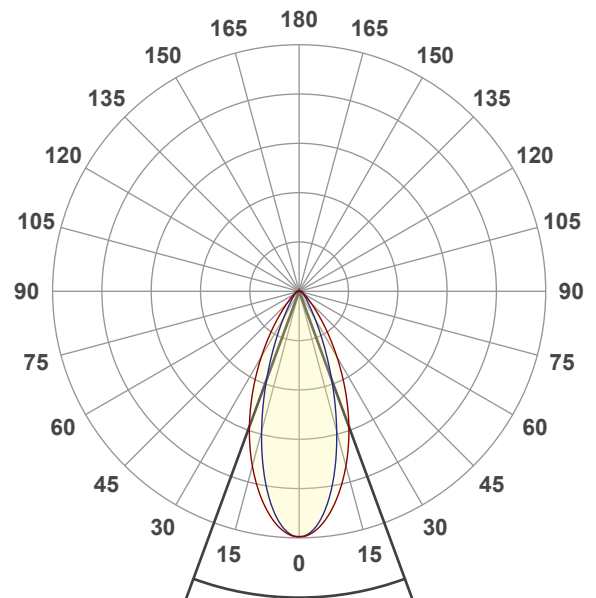
4000K

Operator:

Salvatore Giglio

Date and time:

20/02/2024 11:56:05

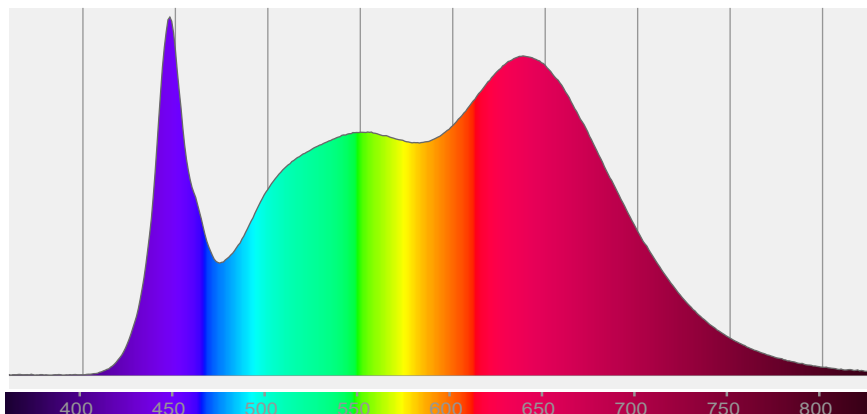


Beam angle 50%: 40,4°

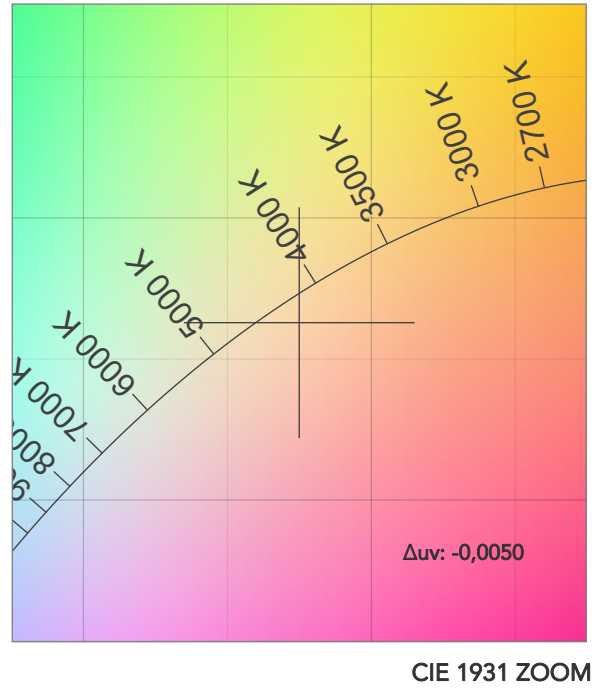
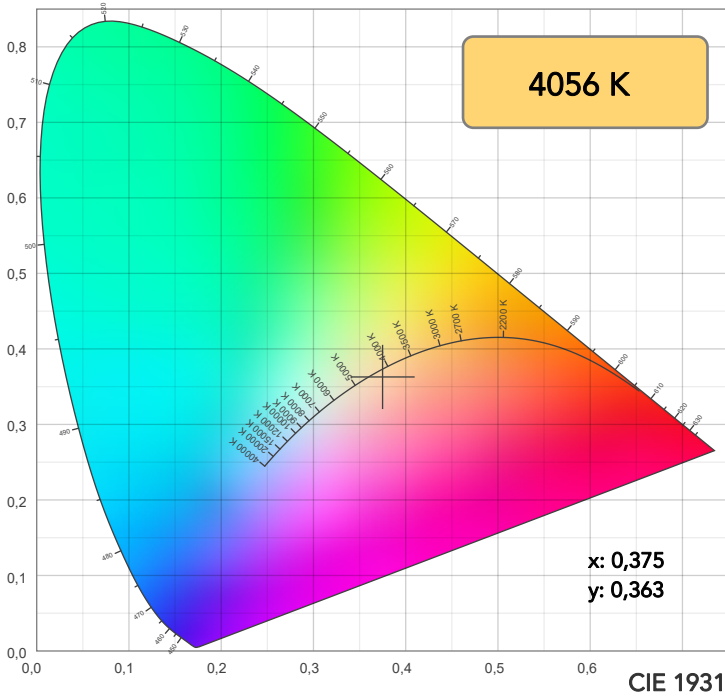
Field angle 10%: 73,9°

Cut off angle 2.5%: 111,6°

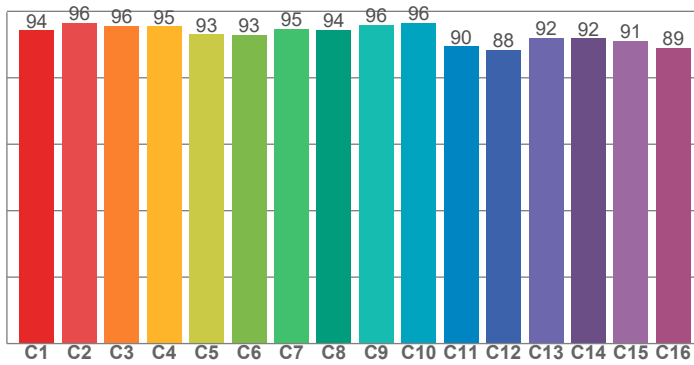
Spectra



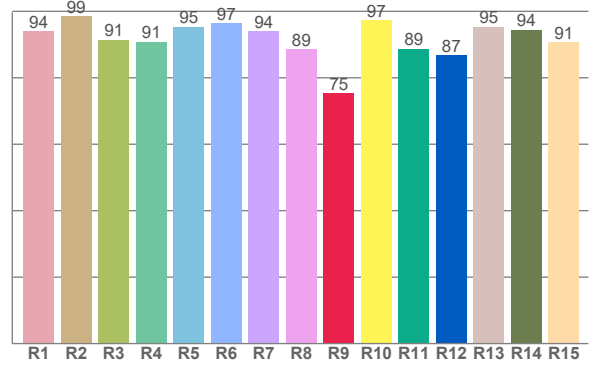
COLOR DETAILS



TM30: 93,4



CRI: 93,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,0	98,5	91,4	90,9	95,3	96,5	94,0	88,5	75,4	97,2	88,7	86,8	95,4	94,4	90,7

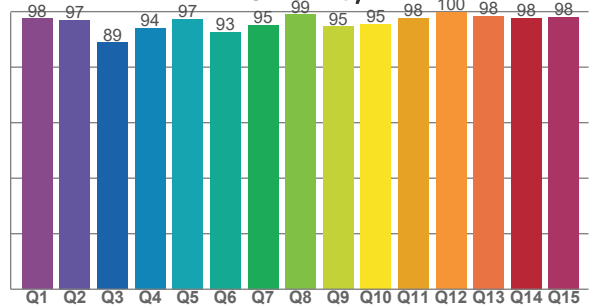
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,3	96,5	95,6	95,4	93,1	93,0	94,7	94,5	95,9	96,5	89,5	88,4	92,0	91,9	91,2	88,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,5	97,0	88,9	94,2	97,3	92,7	95,2	98,9	94,6	95,5	97,6	99,7	98,3	97,7	98,1

CQS: 95,4



COLOR PARAMETERS

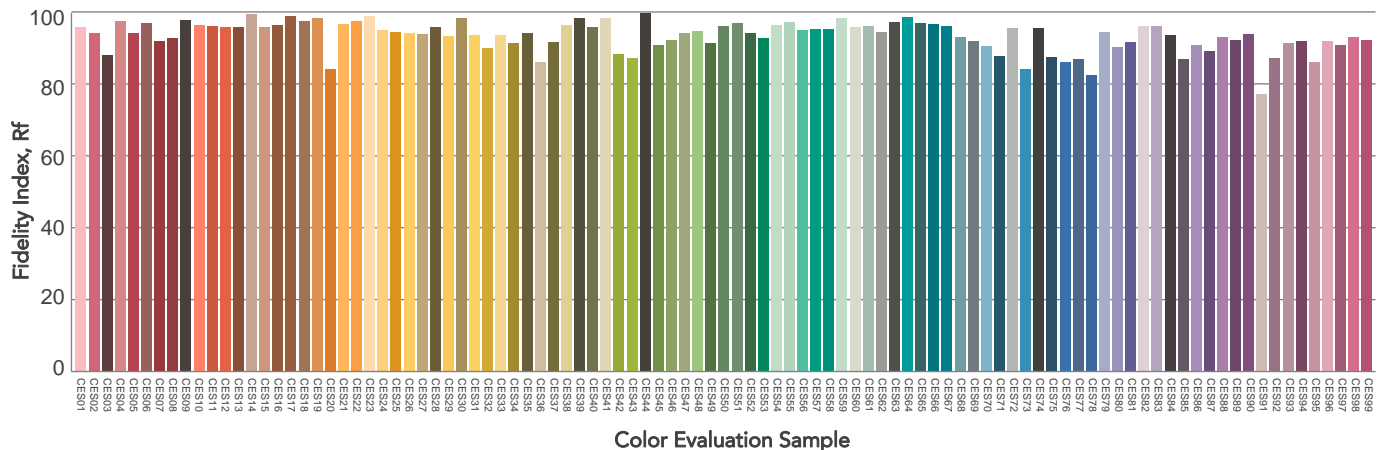
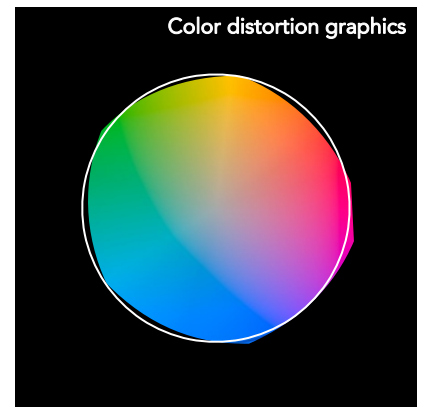
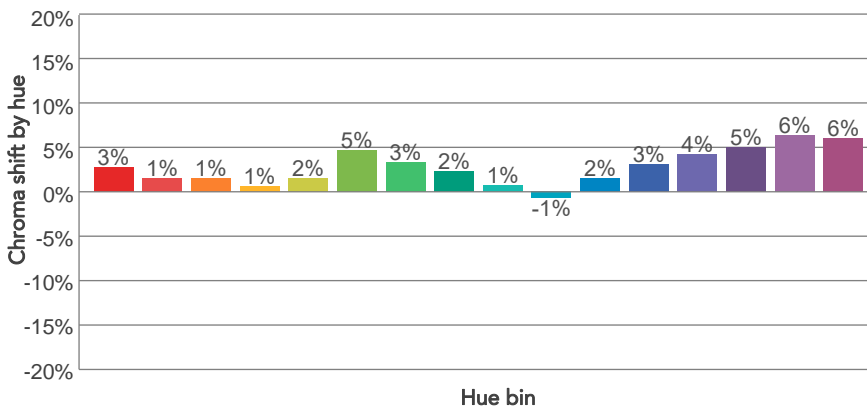
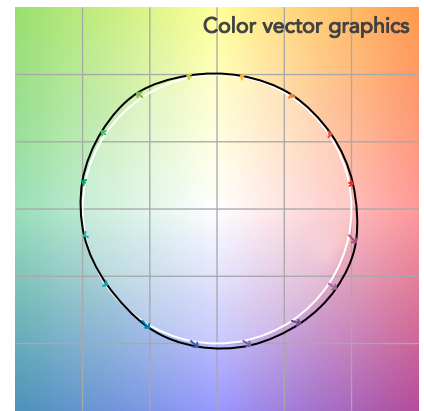
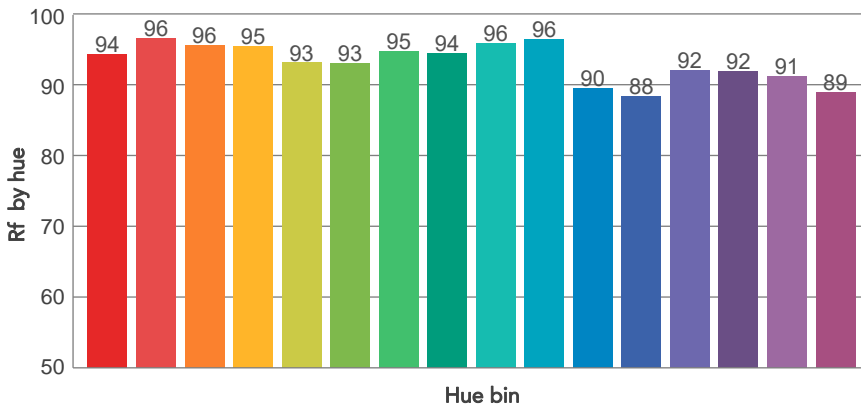
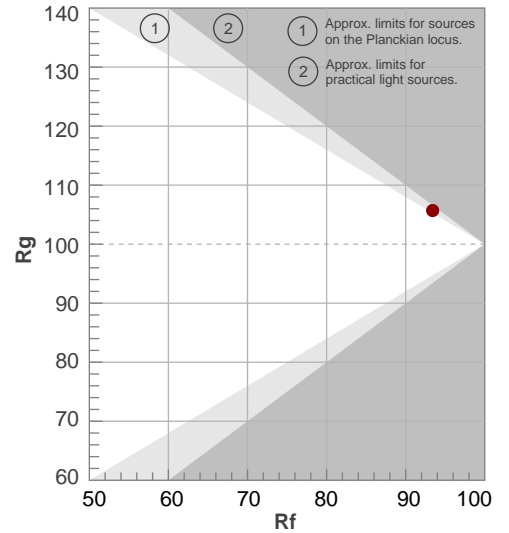
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4056 K	93,6	75,4	93,4	105,7	95,4	97	0,375	0,363	-0,0050

TM30 DETAILS

Rf 93,4
Fidelity index Rf

Rg 105,7
Gammut index

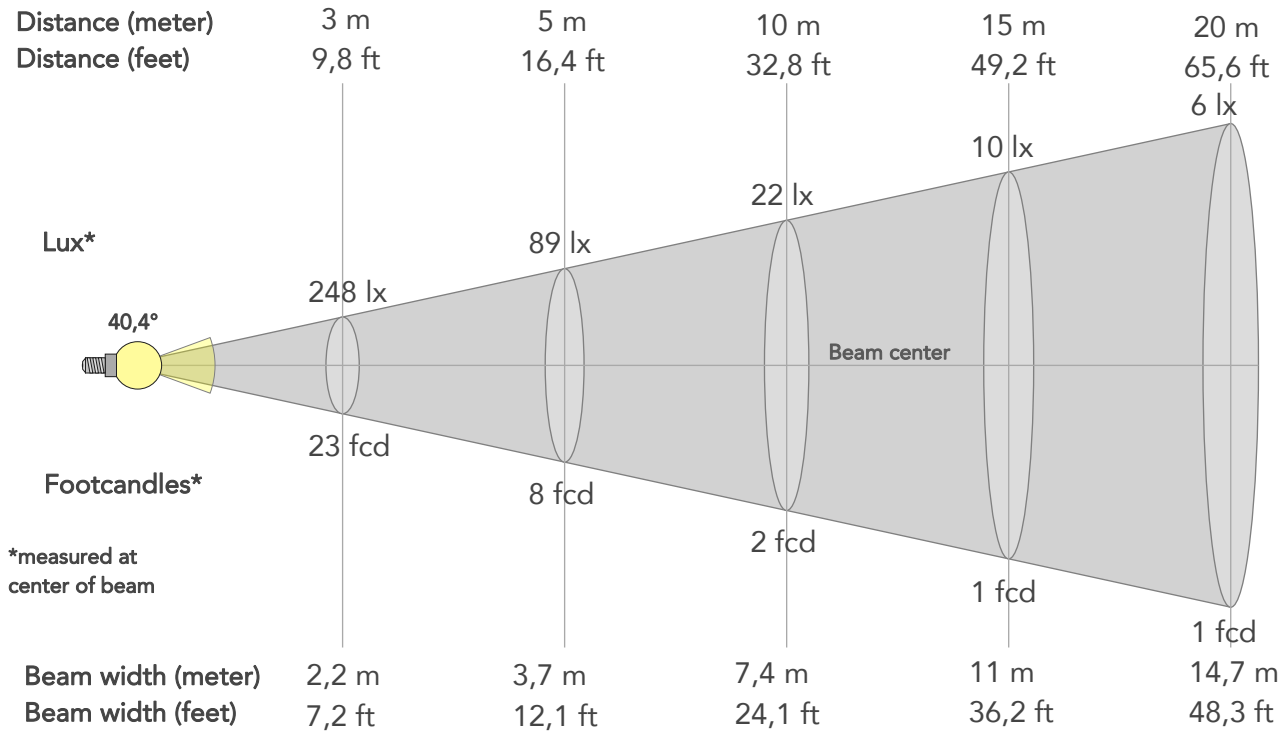
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	3%	-1%
2	96	1%	-1%
3	96	1%	1%
4	95	1%	2%
5	93	2%	2%
6	93	5%	1%
7	95	3%	0%
8	94	2%	-1%
9	96	1%	0%
10	96	-1%	1%
11	90	2%	7%
12	88	3%	6%
13	92	4%	5%
14	92	5%	4%
15	91	6%	0%
16	89	6%	-4%



BEAM DETAILS



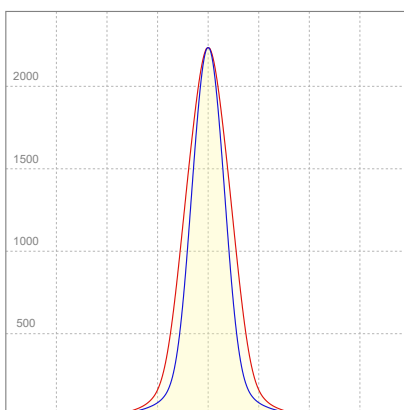
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40,4°	73,9°	111,6°	95,5%	88,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2231lx	558lx	248lx	139lx	89lx	40lx	22lx	10lx	6lx	4lx	2lx	1lx	1lx
Footcand.	207fcd	52fcd	23fcd	13fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	2,9m	3,7m	5,5m	7,4m	11m	14,7m	18,4m	22,1m	29,4m	36,8m
Beam wid.	2,4ft	4,9ft	7,2ft	9,6ft	12,1ft	18,1ft	24,1ft	36,2ft	48,3ft	60,3ft	72,4ft	96,5ft	120,6ft

LINEAR DISTRIBUTION DIAGRAM

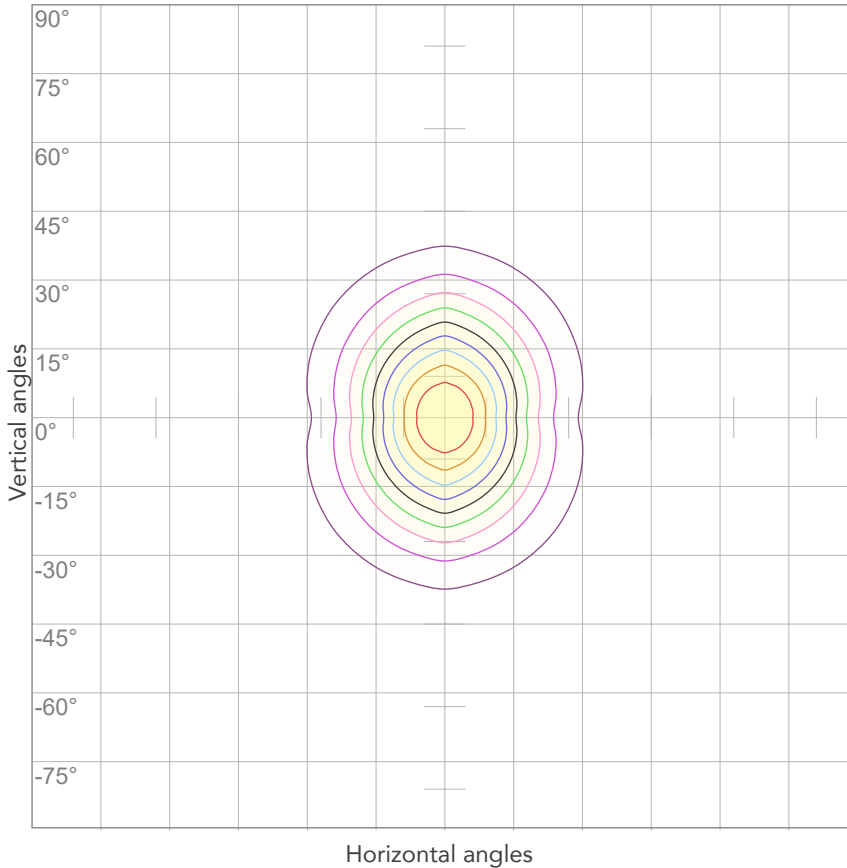


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,144A	31,2W	0,96	44lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



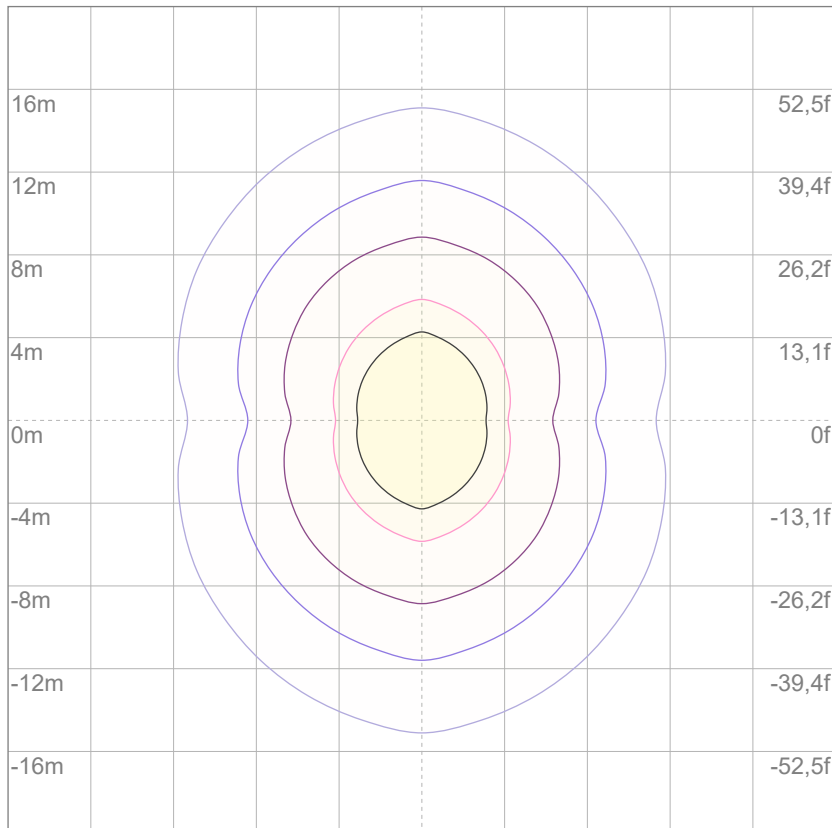
10%	223 cd
20%	446 cd
30%	669 cd
40%	892 cd
50%	1115 cd
60%	1338 cd
70%	1562 cd
80%	1785 cd

Conditions:

Number of c-planes: 4

Candela at center: 2231 cd

ISO LUX DIAGRAM



3%	0,669 lx
5%	1,12 lx
10%	2,23 lx
30%	6,69 lx
50%	11,2 lx

Conditions:

Number of c-planes: 4

Lux at center: 22,3 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1846 lm

Peak candela output:

36880 cd

Light quality:

CRI: 94,1

Color temperature:

5606 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

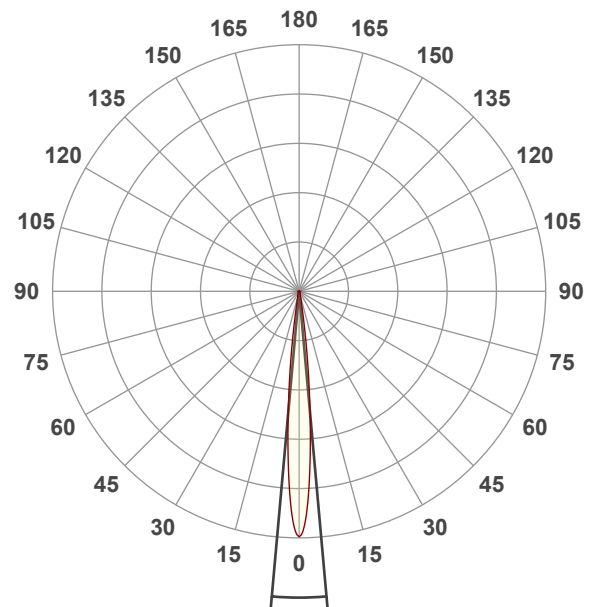
5600K

Operator:

Salvatore Giglio

Date and time:

19/02/2024 16:48:21

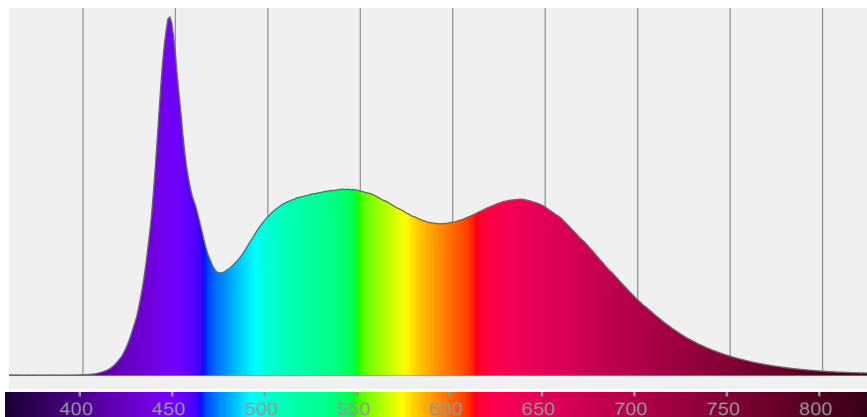


Beam angle 50%: 10,2°

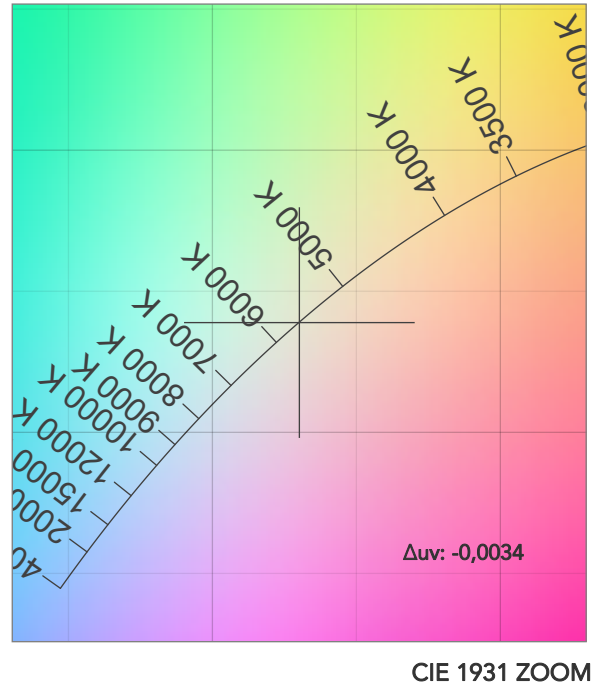
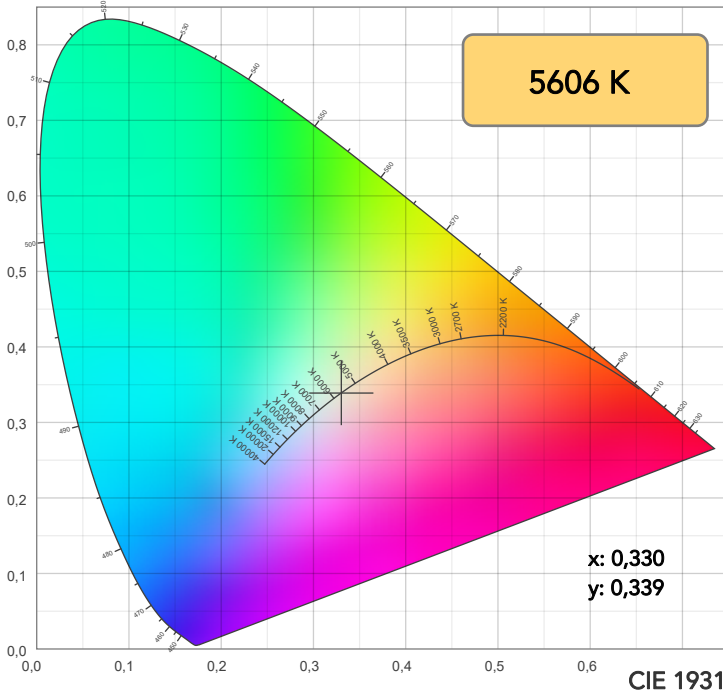
Field angle 10%: 18,6°

Cut off angle 2.5%: 27,5°

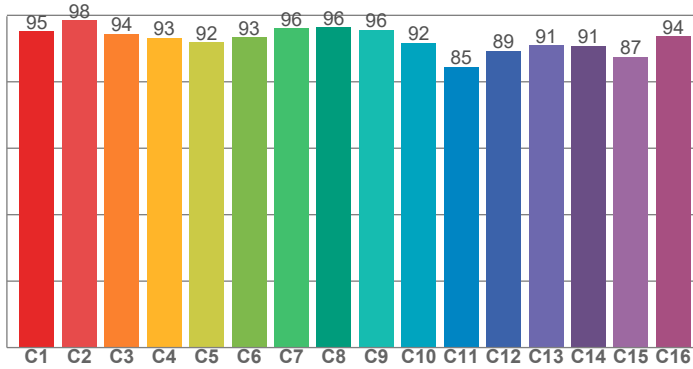
Spectra



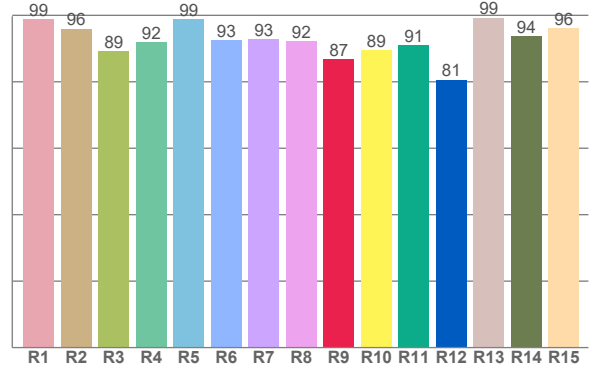
COLOR DETAILS



TM30: 92,7



CRI: 94,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,9	96,0	89,2	92,0	98,8	92,6	92,9	92,2	86,8	89,5	90,9	80,6	99,3	93,7	96,1

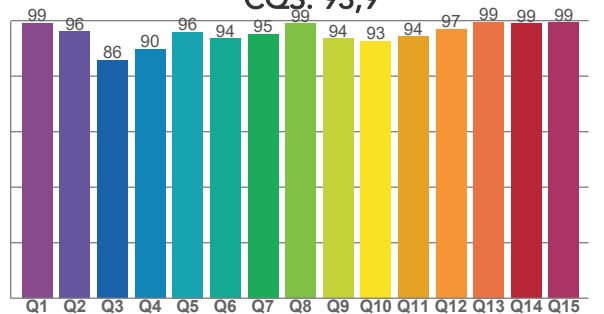
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,2	98,5	94,5	93,3	91,8	93,4	96,0	96,3	95,7	91,7	84,6	89,4	90,9	90,9	87,5	93,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,0	96,1	85,7	89,7	95,9	93,6	95,2	98,9	93,6	92,7	94,2	96,9	99,5	99,0	99,4

CQS: 93,9



COLOR PARAMETERS

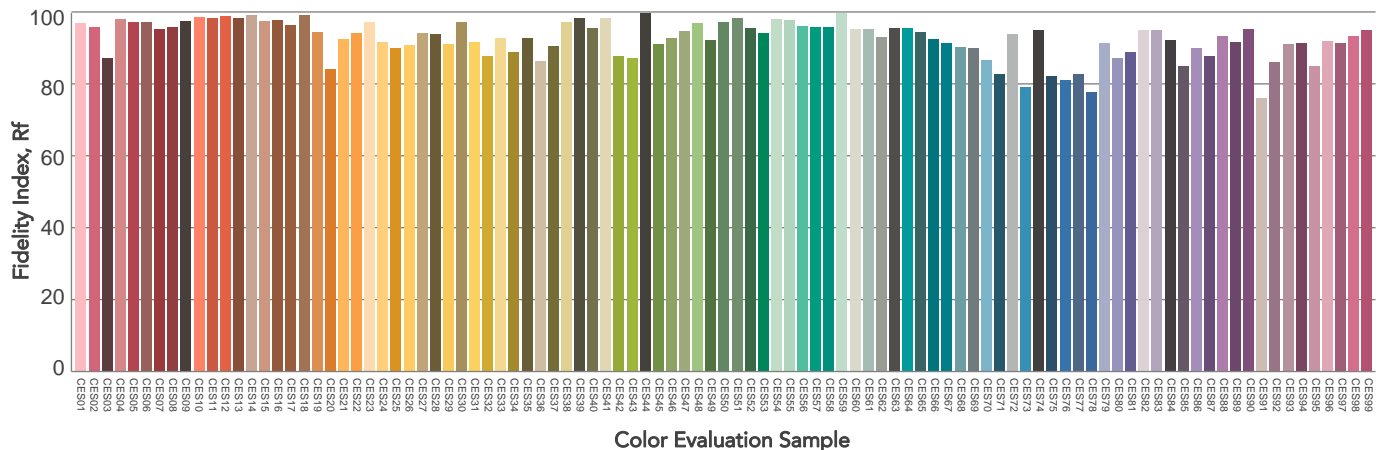
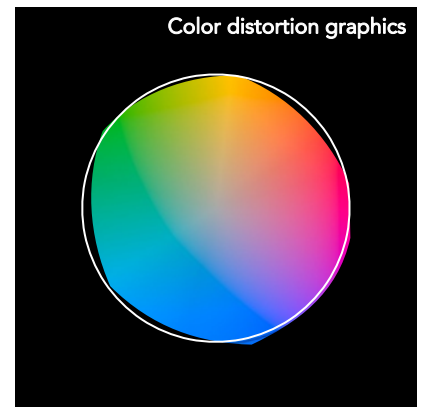
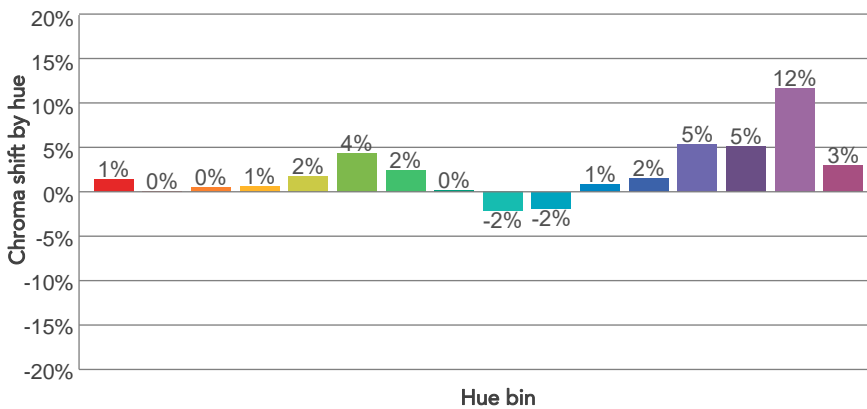
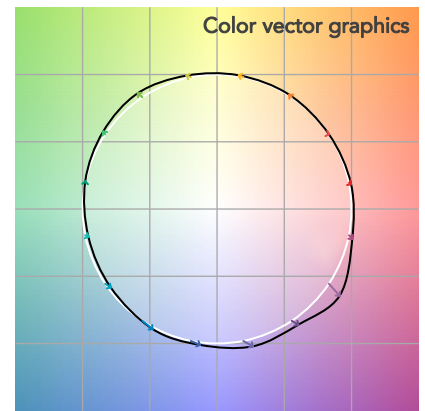
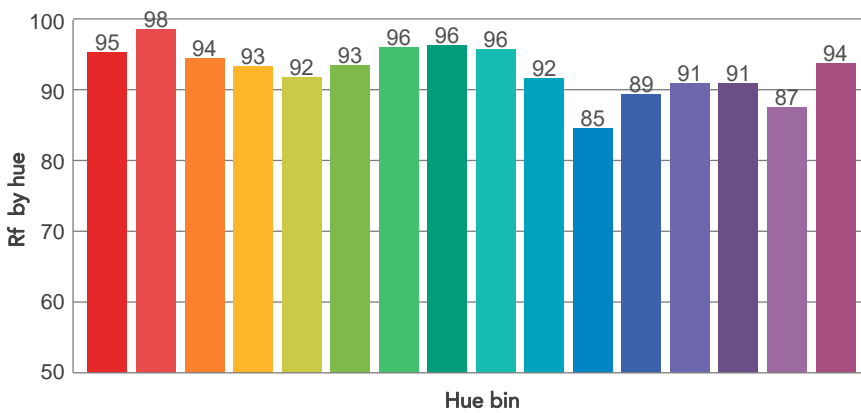
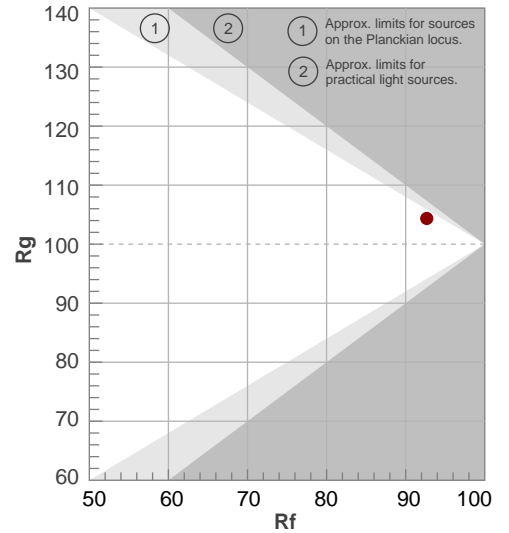
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5606 K	94,1	86,8	92,7	104,4	93,9	98	0,330	0,339	-0,0034

TM30 DETAILS

Rf 92,7
Fidelity index Rf

Rg 104,4
Gammut index

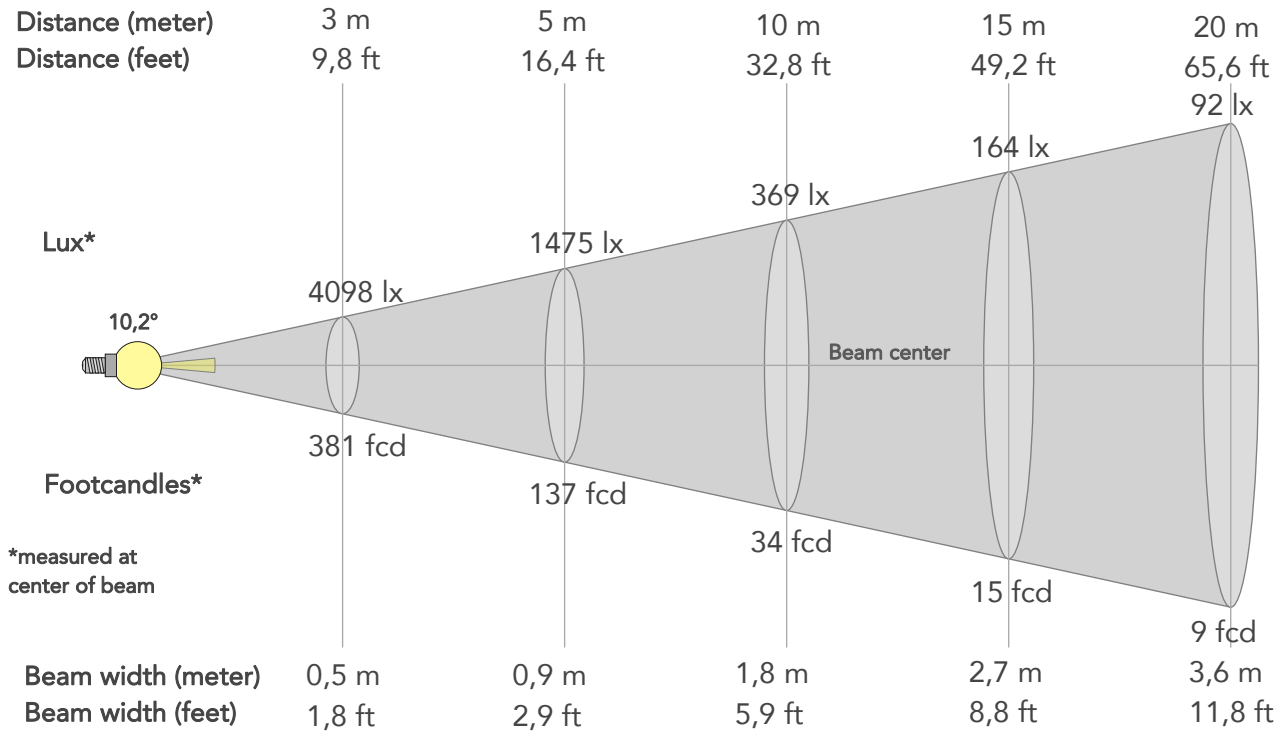
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	1%	-1%
2	98	0%	0%
3	94	0%	3%
4	93	1%	4%
5	92	2%	3%
6	93	4%	1%
7	96	2%	-1%
8	96	0%	-1%
9	96	-2%	2%
10	92	-2%	5%
11	85	1%	10%
12	89	2%	7%
13	91	5%	6%
14	91	5%	3%
15	87	12%	-3%
16	94	3%	-2%



BEAM DETAILS



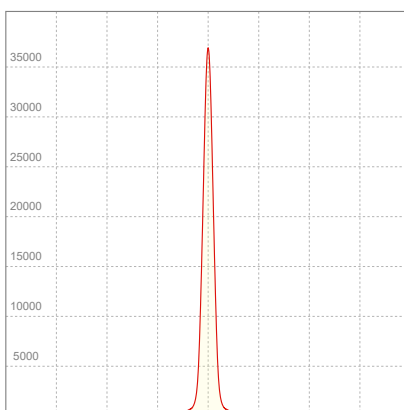
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,2°	18,6°	27,5°	97,3%	94,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	36880lx	9220lx	4098lx	2305lx	1475lx	656lx	369lx	164lx	92lx	59lx	41lx	23lx	15lx
Footcand.	3426fcd	857fcd	381fcd	214fcd	137fcd	61fcd	34fcd	15fcd	9fcd	5fcd	4fcd	2fcd	1fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,7m	3,6m	4,5m	5,4m	7,2m	9m
Beam wid.	0,6ft	1,2ft	1,8ft	2,3ft	2,9ft	4,4ft	5,9ft	8,8ft	11,8ft	14,7ft	17,6ft	23,5ft	29,4ft

LINEAR DISTRIBUTION DIAGRAM

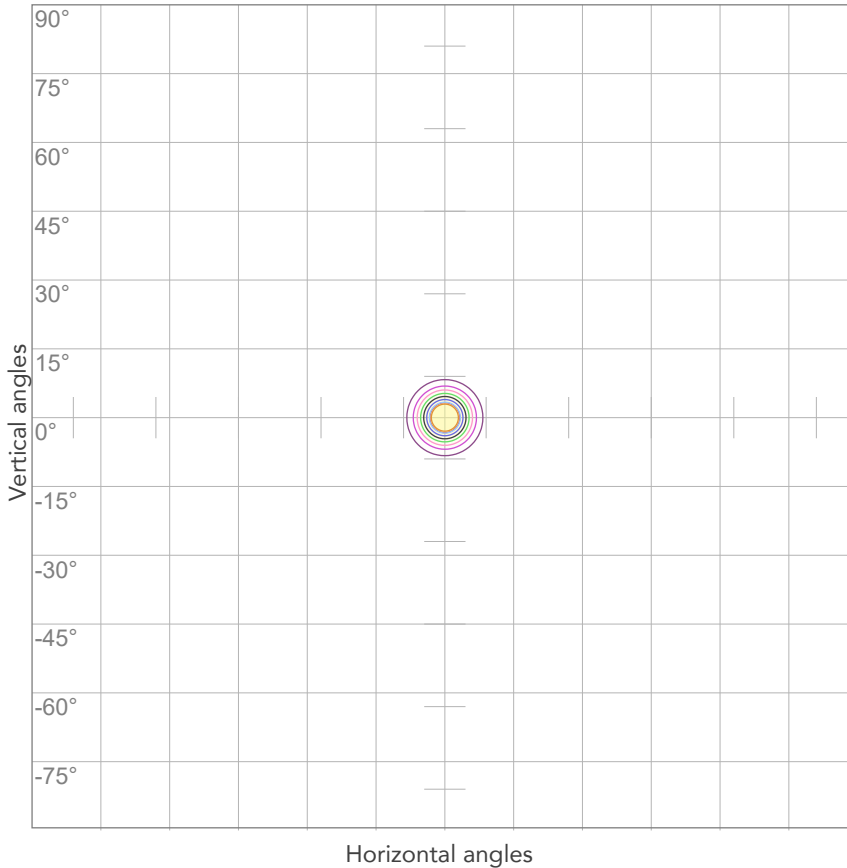


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,146A	31,5W	0,96	59lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



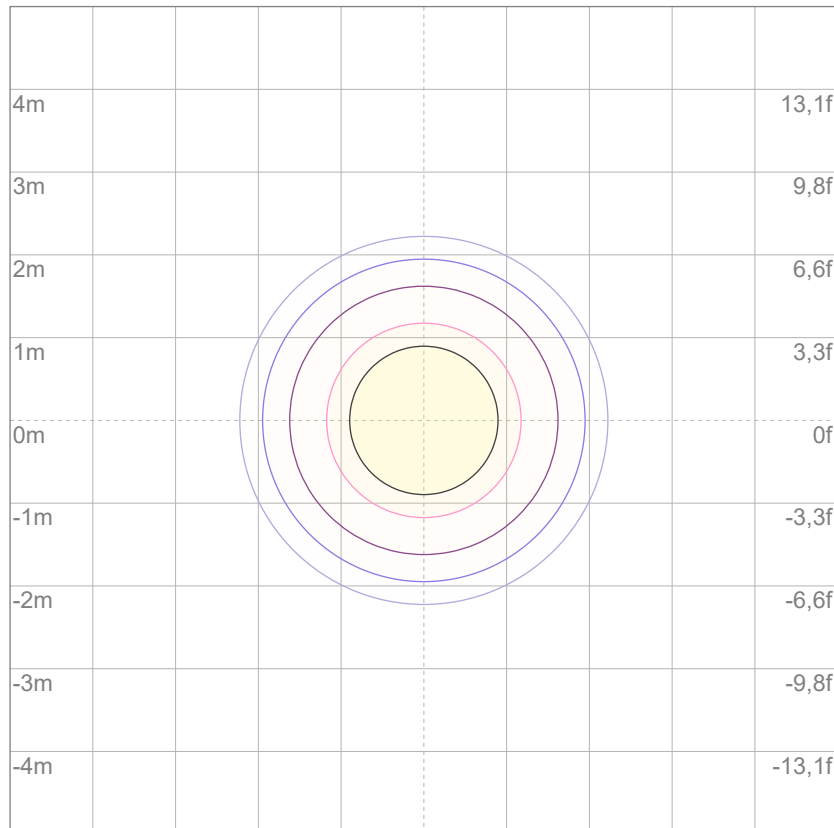
10%	3688 cd
20%	7376 cd
30%	11064 cd
40%	14752 cd
50%	18440 cd
60%	22128 cd
70%	25816 cd
80%	29504 cd

Conditions:

Number of c-planes: 2

Candela at center: 36880 cd

ISO LUX DIAGRAM



3%	11,1 lx
5%	18,4 lx
10%	36,9 lx
30%	111 lx
50%	184 lx

Conditions:

Number of c-planes: 2

Lux at center: 369 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1667 lm

Peak candela output:

6827 cd

Light quality:

CRI: 94,2

Color temperature:

5607 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

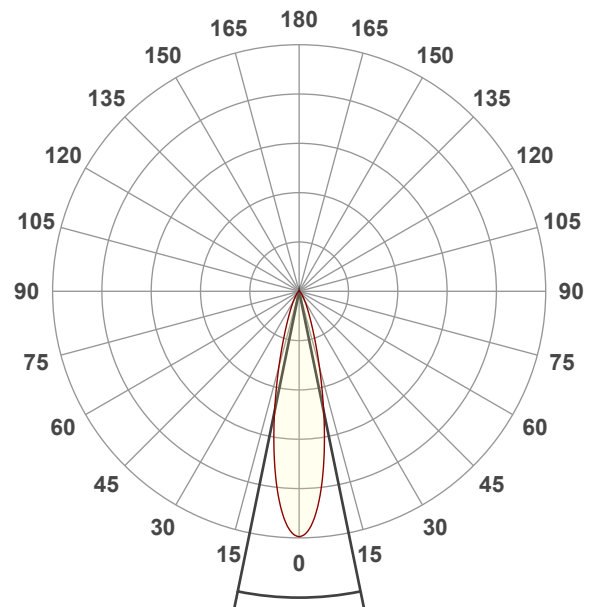
5600K

Operator:

Salvatore Giglio

Date and time:

19/02/2024 17:25:43

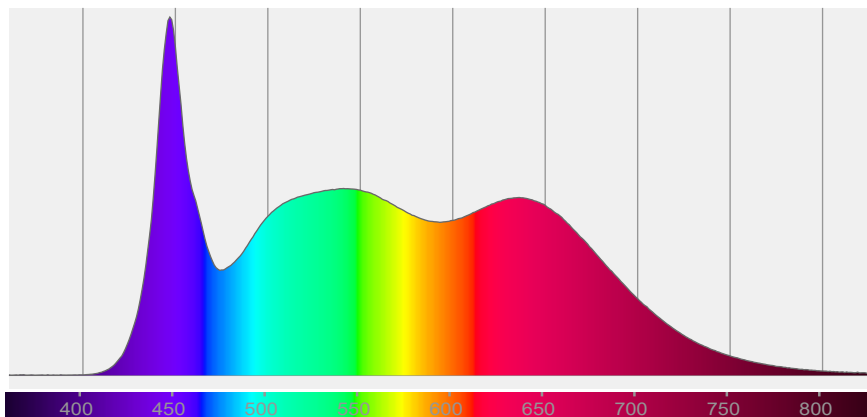


Beam angle 50%: 23,1°

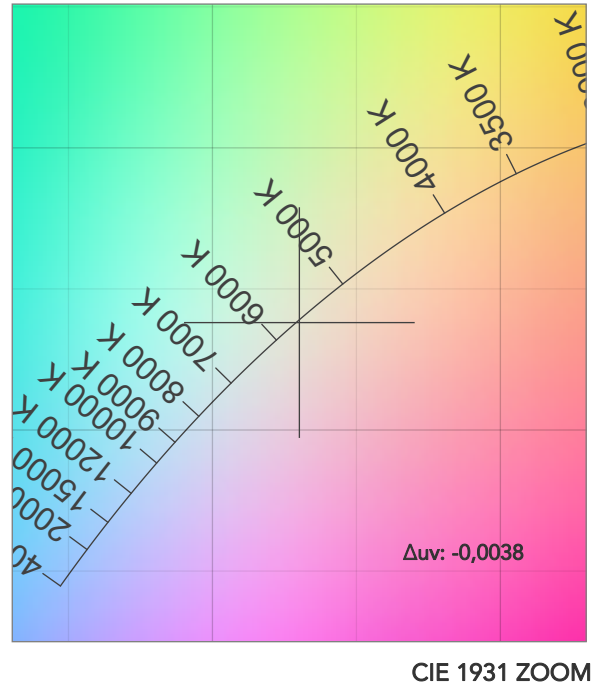
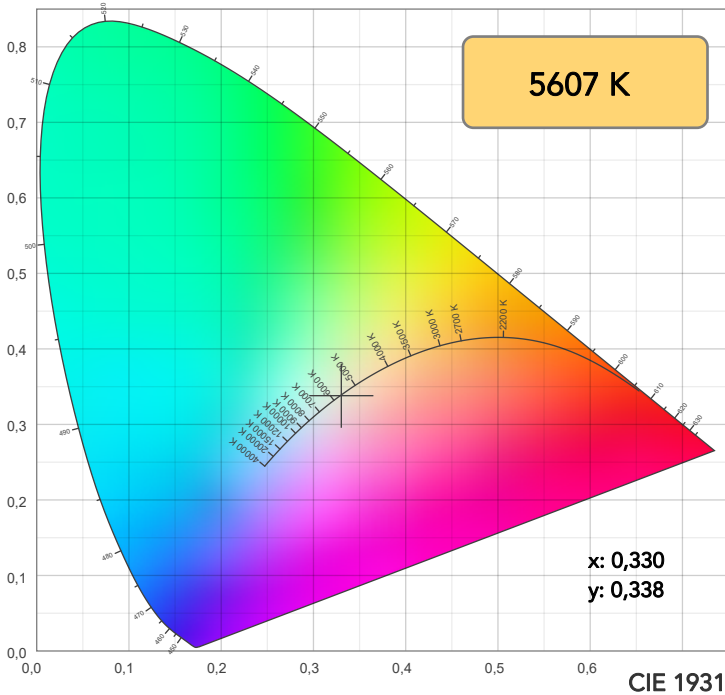
Field angle 10%: 46,8°

Cut off angle 2.5%: 72,5°

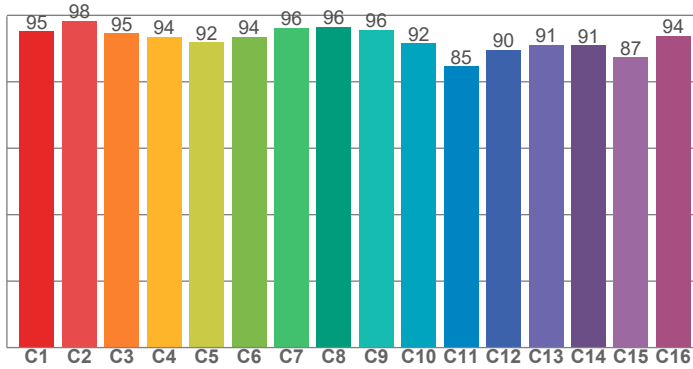
Spectra



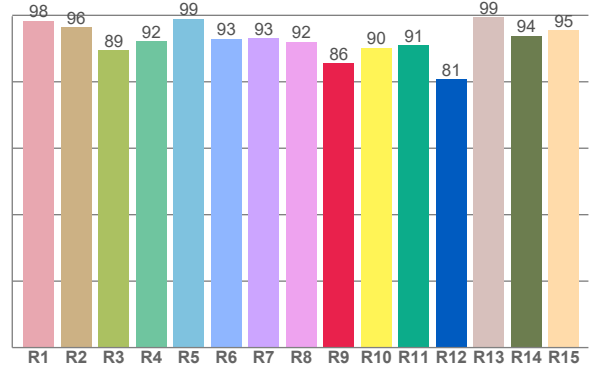
COLOR DETAILS



TM30: 92,7



CRI: 94,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,3	96,4	89,5	92,2	99,0	92,9	93,2	92,1	85,6	90,3	90,9	80,7	99,4	93,8	95,5

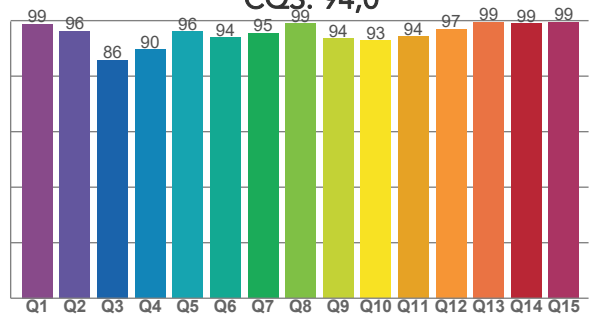
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,1	98,4	94,6	93,5	91,9	93,6	96,2	96,5	95,6	91,6	84,6	89,6	91,0	90,9	87,4	93,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,8	96,1	85,7	89,6	96,1	93,9	95,4	98,9	93,5	92,8	94,3	96,9	99,5	98,9	99,4

CQS: 94,0



COLOR PARAMETERS

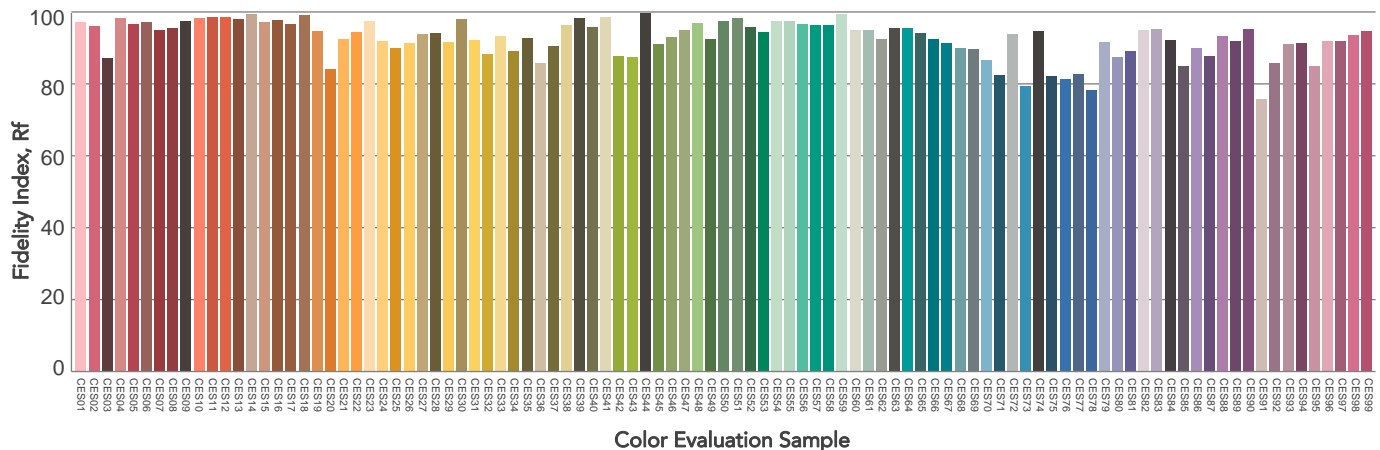
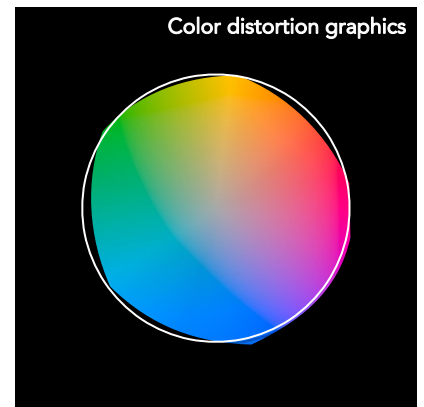
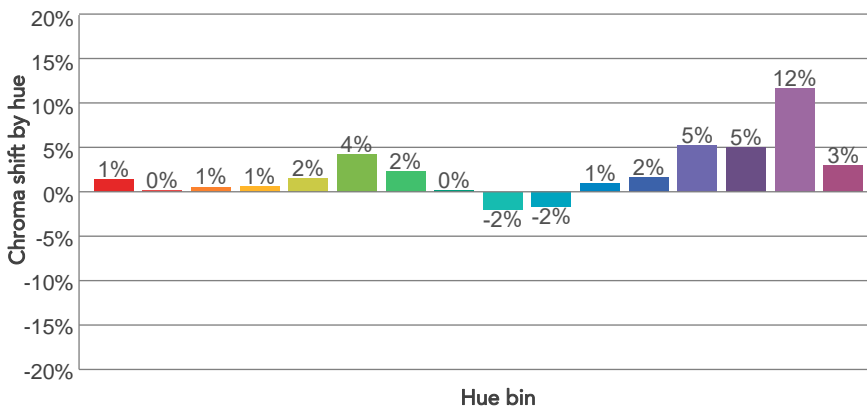
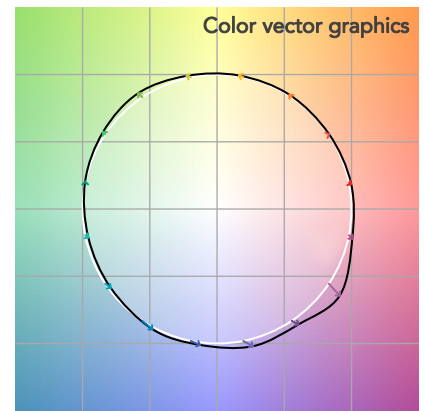
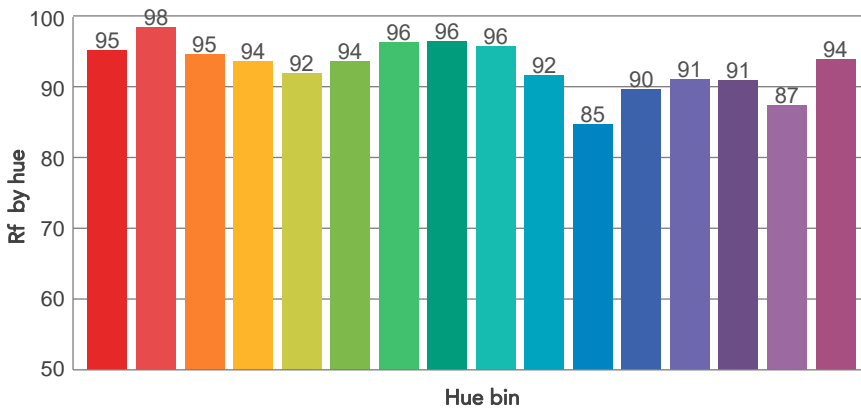
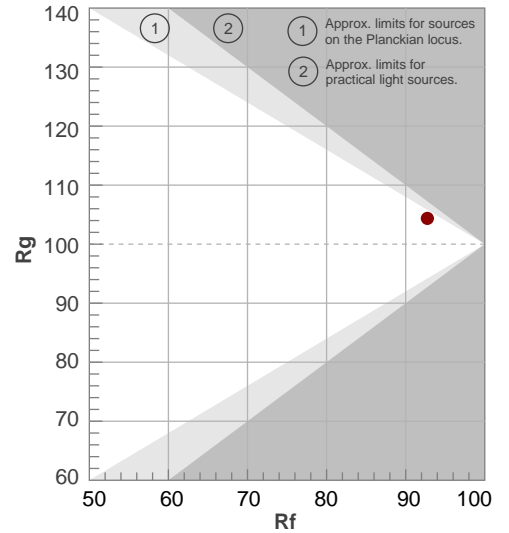
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5607 K	94,2	85,6	92,7	104,4	94,0	98	0,330	0,338	-0,0038

TM30 DETAILS

Rf 92,7
Fidelity index Rf

Rg 104,4
Gammut index

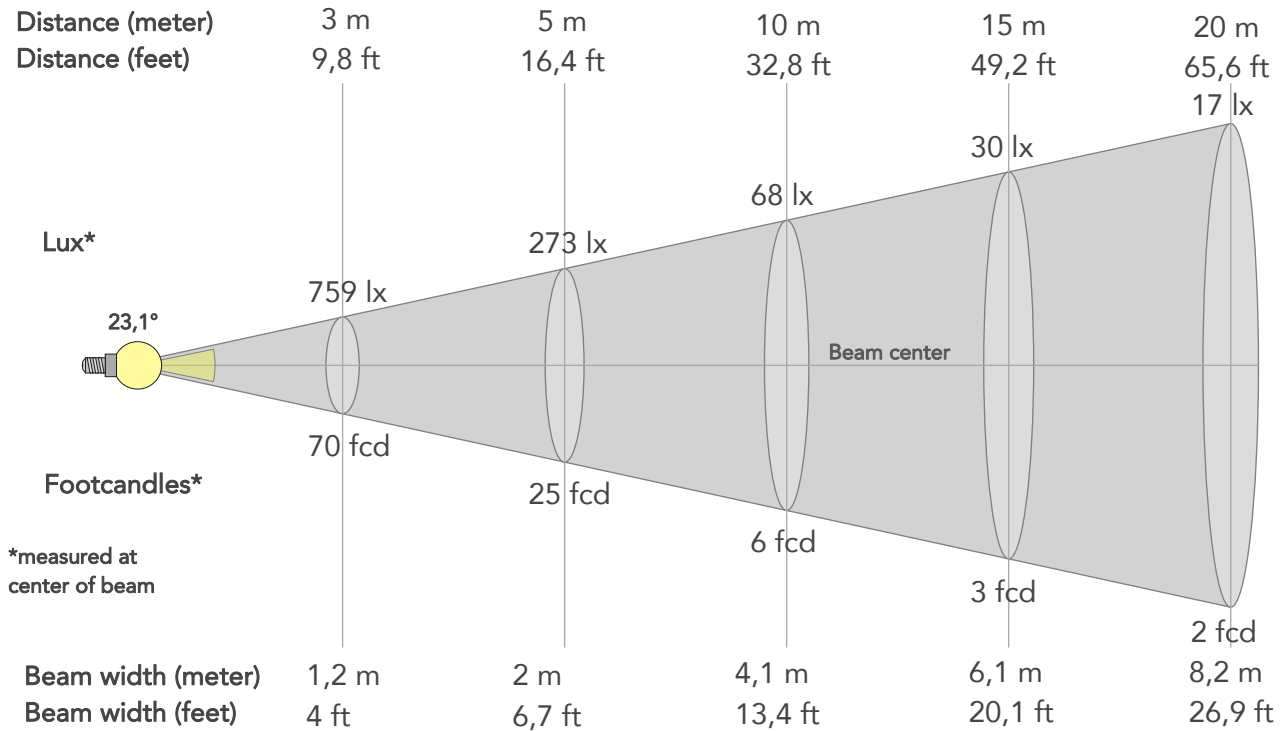
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	1%	-1%
2	98	0%	0%
3	95	1%	2%
4	94	1%	3%
5	92	2%	3%
6	94	4%	1%
7	96	2%	-1%
8	96	0%	-1%
9	96	-2%	2%
10	92	-2%	5%
11	85	1%	10%
12	90	2%	7%
13	91	5%	6%
14	91	5%	3%
15	87	12%	-3%
16	94	3%	-2%



BEAM DETAILS



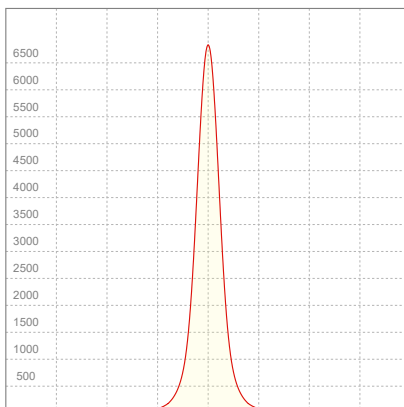
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,1°	46,8°	72,5°	97,3%	93,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6827lx	1707lx	759lx	427lx	273lx	121lx	68lx	30lx	17lx	11lx	8lx	4lx	3lx
Footcand.	634fcd	159fcd	70fcd	40fcd	25fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3,1m	4,1m	6,1m	8,2m	10,2m	12,3m	16,4m	20,5m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,7ft	10,1ft	13,4ft	20,1ft	26,9ft	33,6ft	40,3ft	53,7ft	67,1ft

LINEAR DISTRIBUTION DIAGRAM

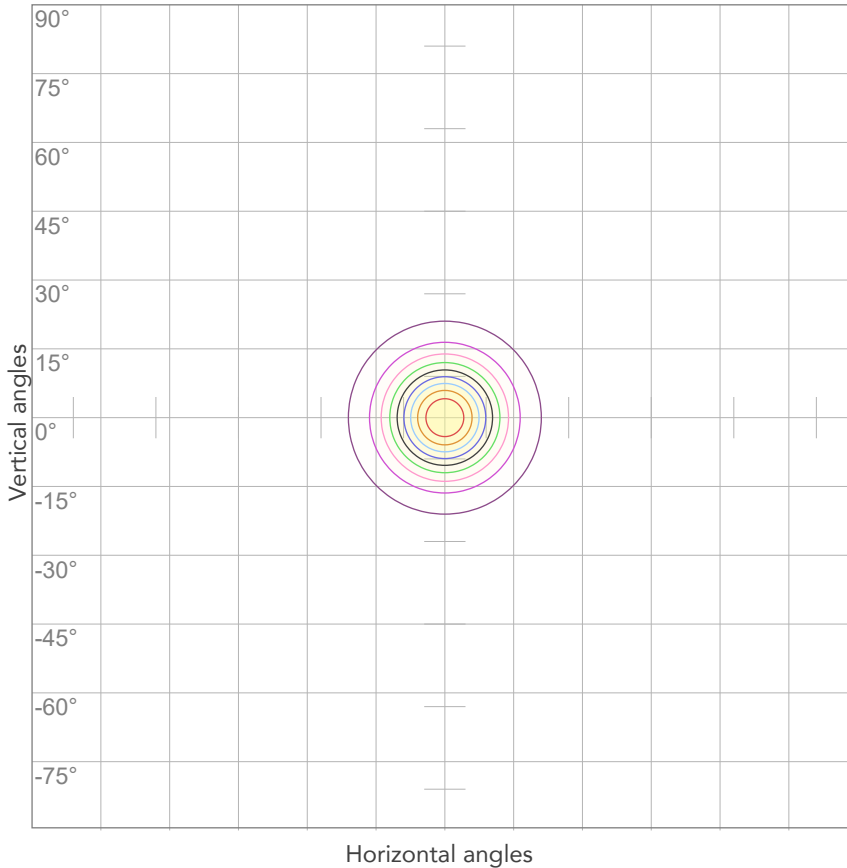


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,145A	31,2W	0,95	53lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



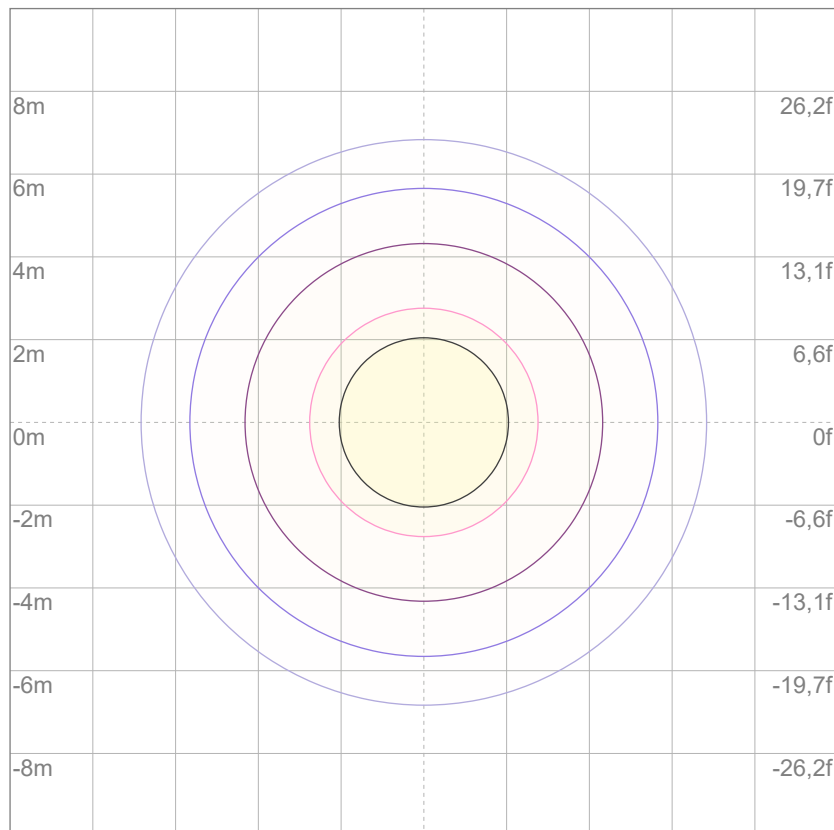
10%	683 cd
20%	1365 cd
30%	2048 cd
40%	2731 cd
50%	3413 cd
60%	4096 cd
70%	4779 cd
80%	5461 cd

Conditions:

Number of c-planes: 2

Candela at center: 6827 cd

ISO LUX DIAGRAM



3%	2,05 lx
5%	3,41 lx
10%	6,83 lx
30%	20,5 lx
50%	34,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 68,3 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1620 lm

Peak candela output:

2004 cd

Light quality:

CRI: 94,2

Color temperature:

5631 K

PRODUCT NAME:

ARCSPOTS VW

MEASUREMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

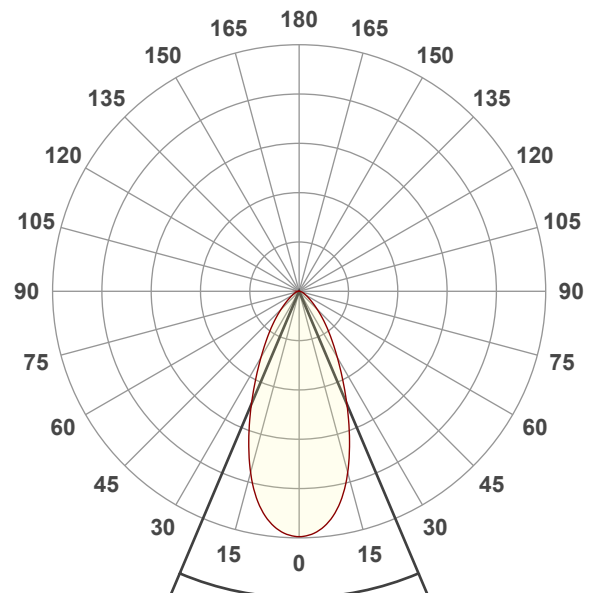
5600K

Operator:

Salvatore Giglio

Date and time:

19/02/2024 17:37:23

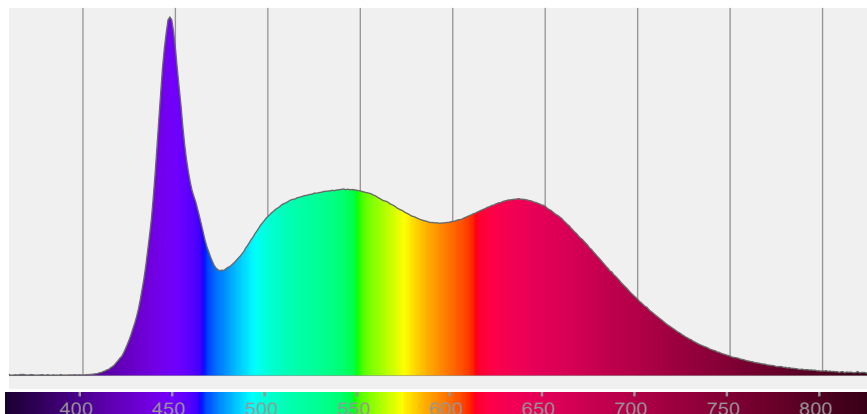


Beam angle 50%: 45,9°

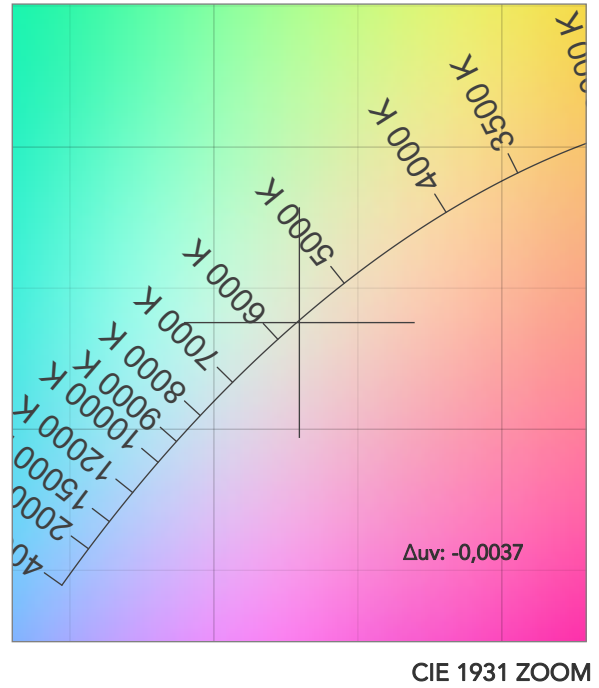
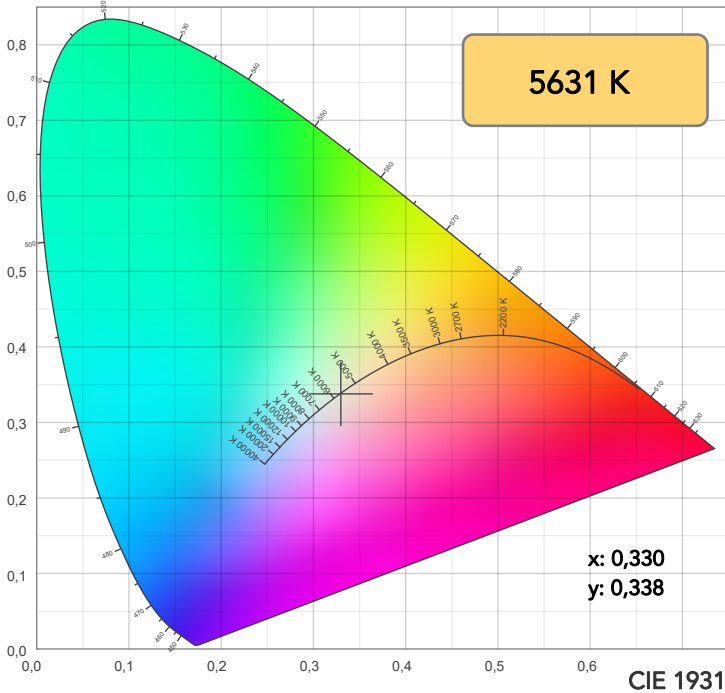
Field angle 10%: 91,3°

Cut off angle 2.5%: 128,2°

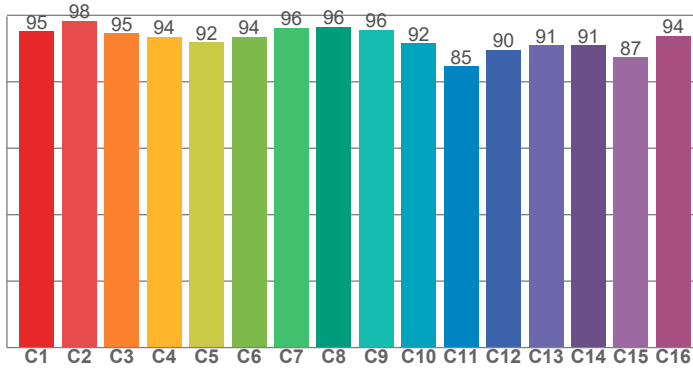
Spectra



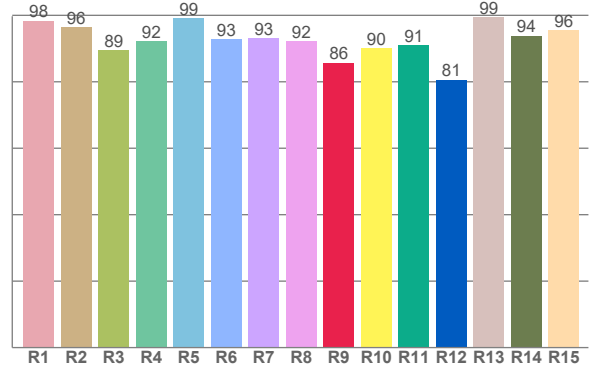
COLOR DETAILS



TM30: 92,7



CRI: 94,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,4	96,3	89,4	92,2	99,0	92,8	93,1	92,1	85,7	90,2	90,9	80,6	99,4	93,8	95,6

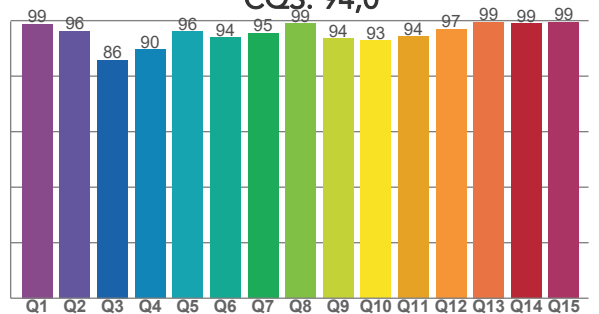
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,1	98,4	94,6	93,5	91,9	93,6	96,2	96,5	95,6	91,6	84,6	89,6	91,0	90,9	87,4	93,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,8	96,1	85,8	89,6	96,1	93,9	95,4	98,9	93,5	92,8	94,3	96,9	99,5	98,9	99,4

CQS: 94,0



COLOR PARAMETERS

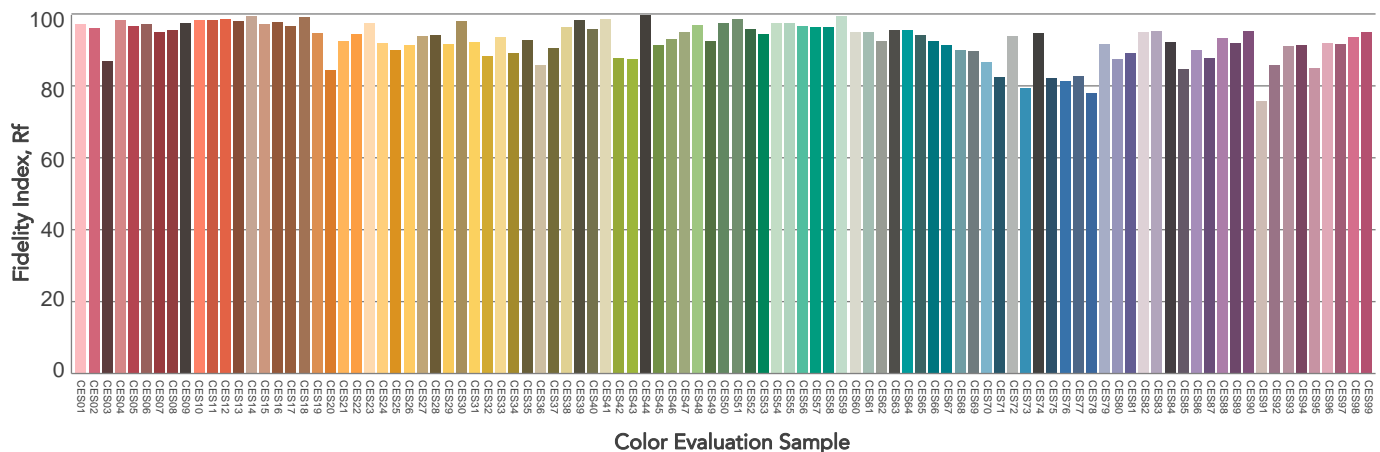
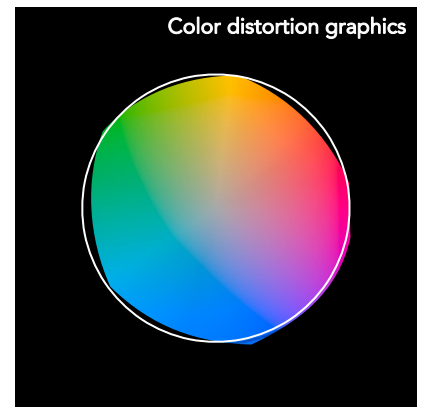
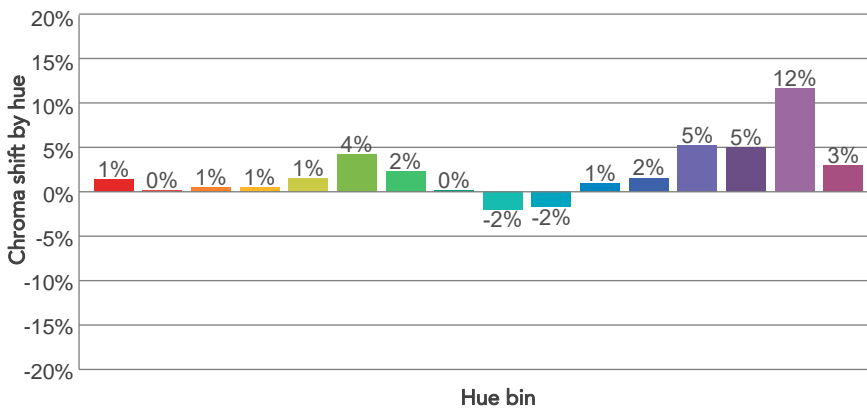
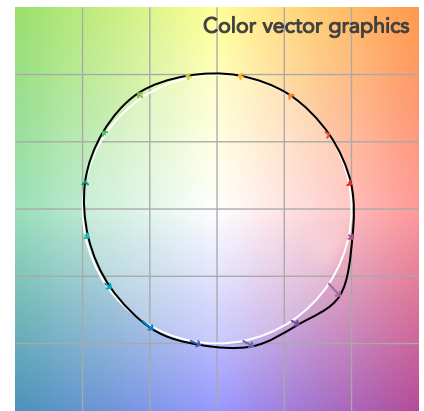
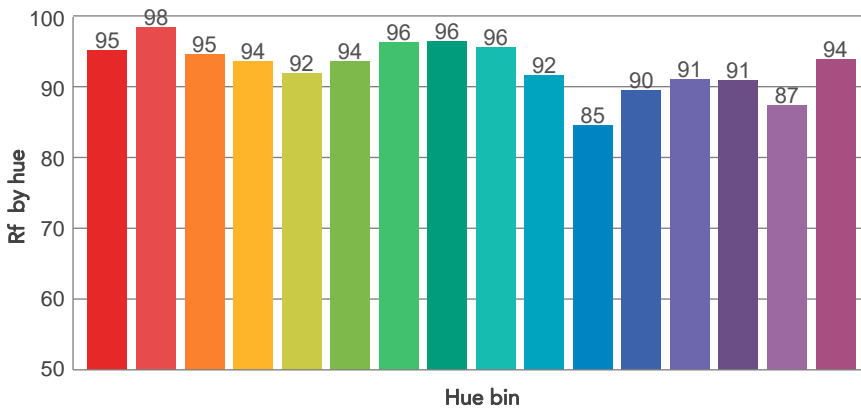
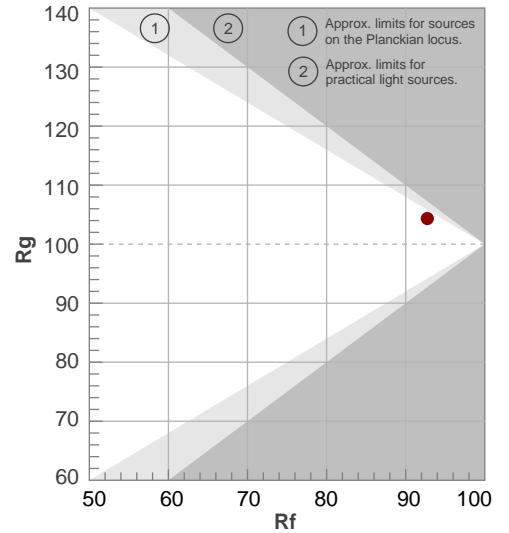
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5631 K	94,2	85,7	92,7	104,3	94,0	98	0,330	0,338	-0,0037

TM30 DETAILS

Rf 92,7
Fidelity index Rf

Rg 104,3
Gammut index

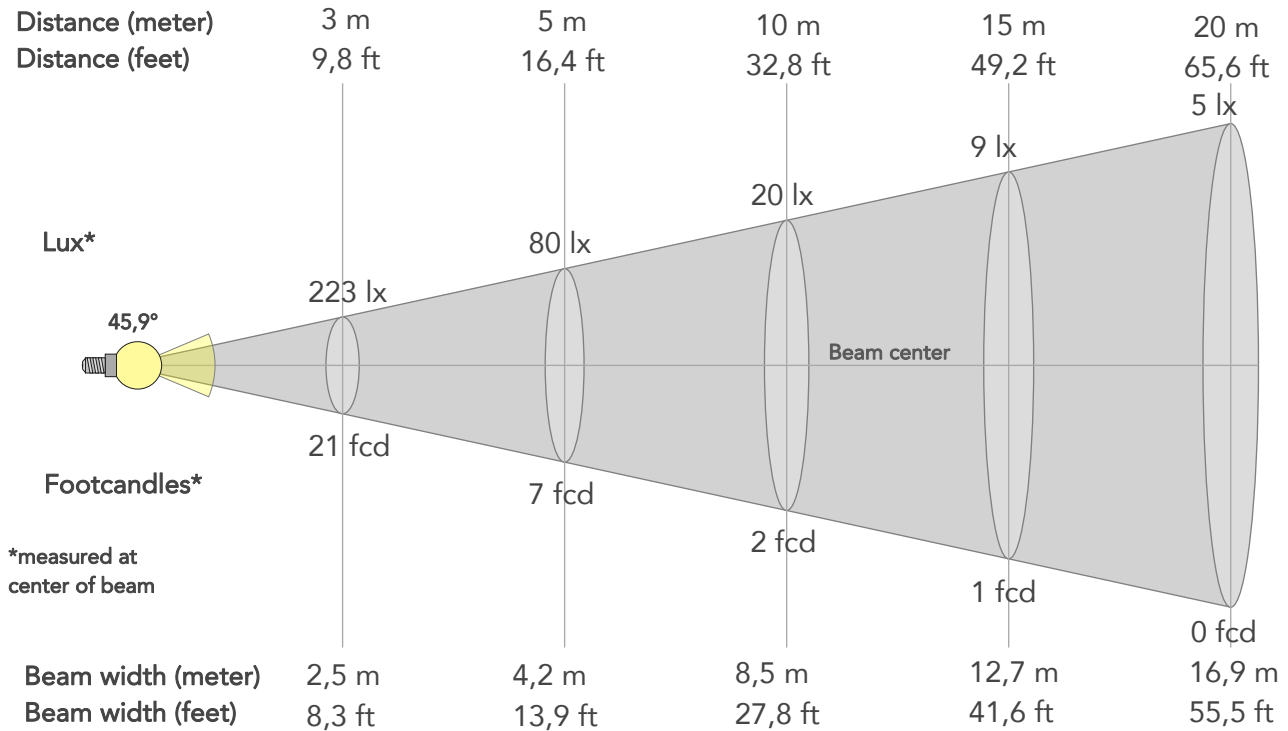
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	1%	-1%
2	98	0%	0%
3	95	1%	2%
4	94	1%	3%
5	92	1%	3%
6	94	4%	1%
7	96	2%	-1%
8	96	0%	-1%
9	96	-2%	2%
10	92	-2%	5%
11	85	1%	10%
12	90	2%	7%
13	91	5%	6%
14	91	5%	3%
15	87	12%	-3%
16	94	3%	-2%



BEAM DETAILS



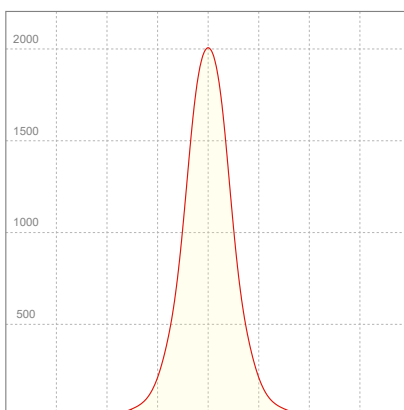
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,9°	91,3°	128,2°	94,9%	85,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2004lx	501lx	223lx	125lx	80lx	36lx	20lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	186fcd	47fcd	21fcd	12fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,4m	4,2m	6,3m	8,5m	12,7m	16,9m	21,2m	25,4m	33,9m	42,3m
Beam wid.	2,8ft	5,6ft	8,3ft	11,1ft	13,9ft	20,8ft	27,8ft	41,6ft	55,5ft	69,4ft	83,3ft	111,1ft	138,8ft

LINEAR DISTRIBUTION DIAGRAM

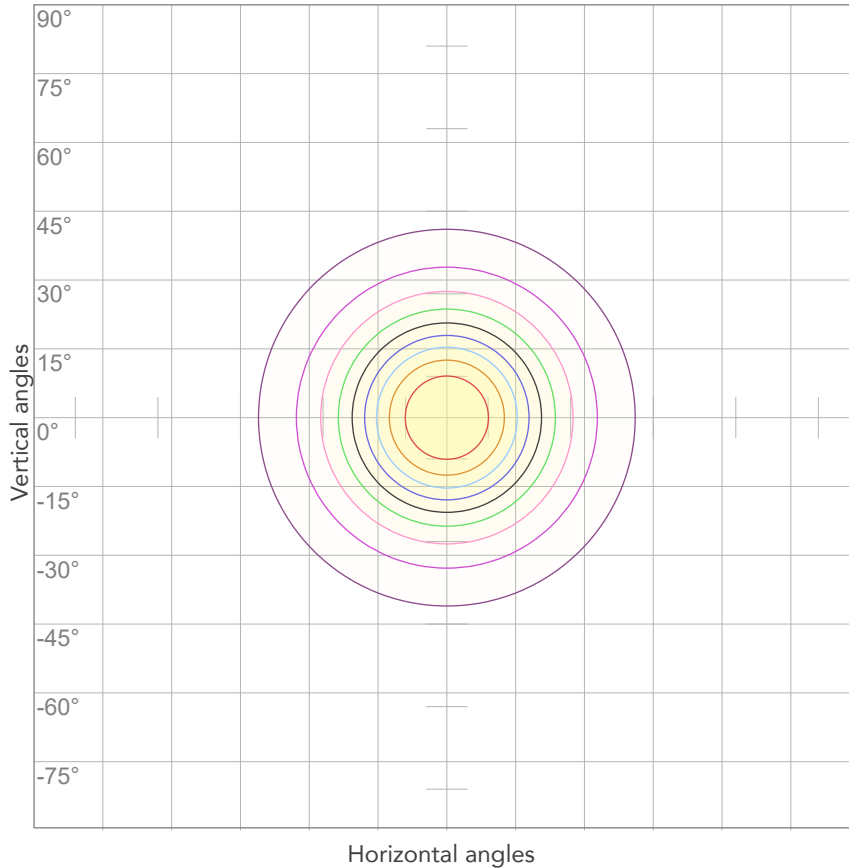


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,145A	31,3W	0,95	52lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



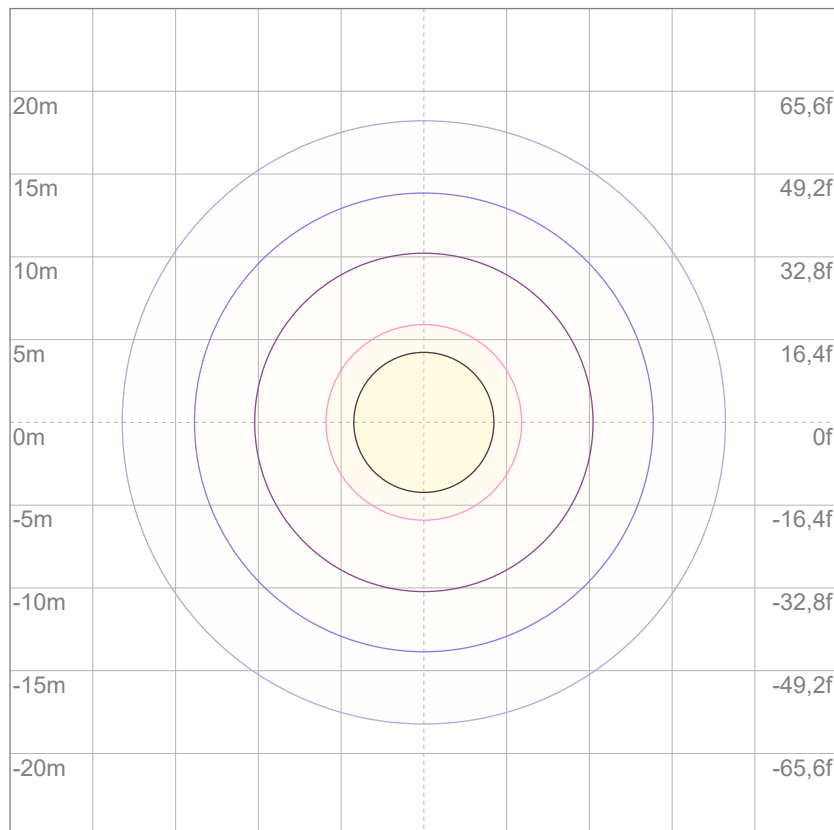
10%	200 cd
20%	401 cd
30%	601 cd
40%	802 cd
50%	1002 cd
60%	1202 cd
70%	1403 cd
80%	1603 cd

Conditions:

Number of c-planes: 2

Candela at center: 2004 cd

ISO LUX DIAGRAM



3%	0,601 lx
5%	1,00 lx
10%	2,00 lx
30%	6,01 lx
50%	10,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 20,0 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.



Total lumen output:

1608 lm

Peak candela output:

1474 cd

Light quality:

CRI: 94,1

Color temperature:

5634 K

PRODUCT NAME:

ARCSPOTS VW

MEASUREMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

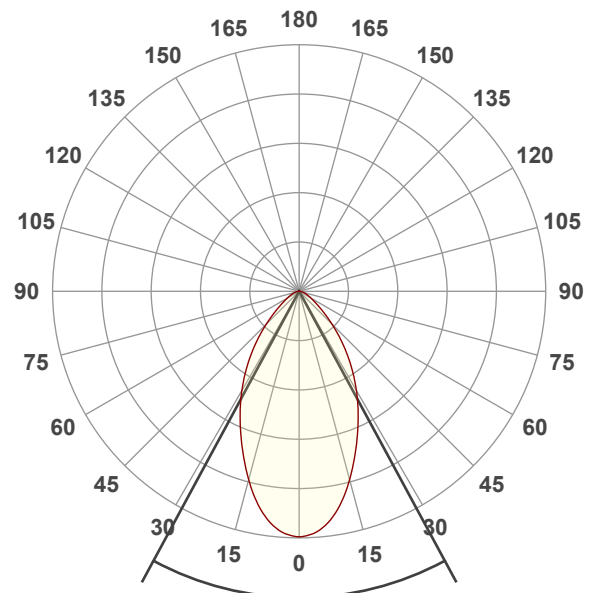
5600K

Operator:

Salvatore Giglio

Date and time:

20/02/2024 09:27:37

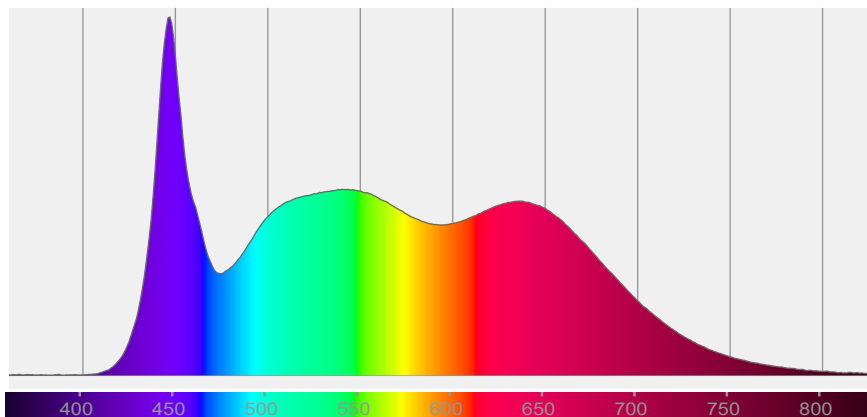


Beam angle 50%: 56,8°

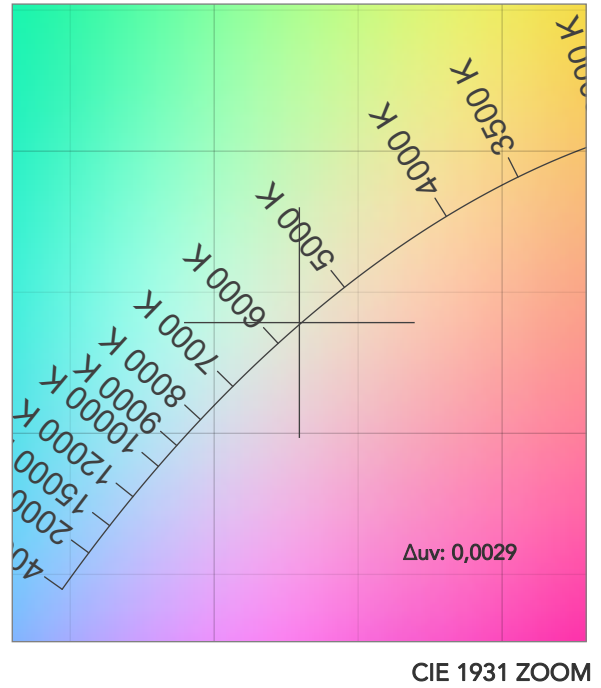
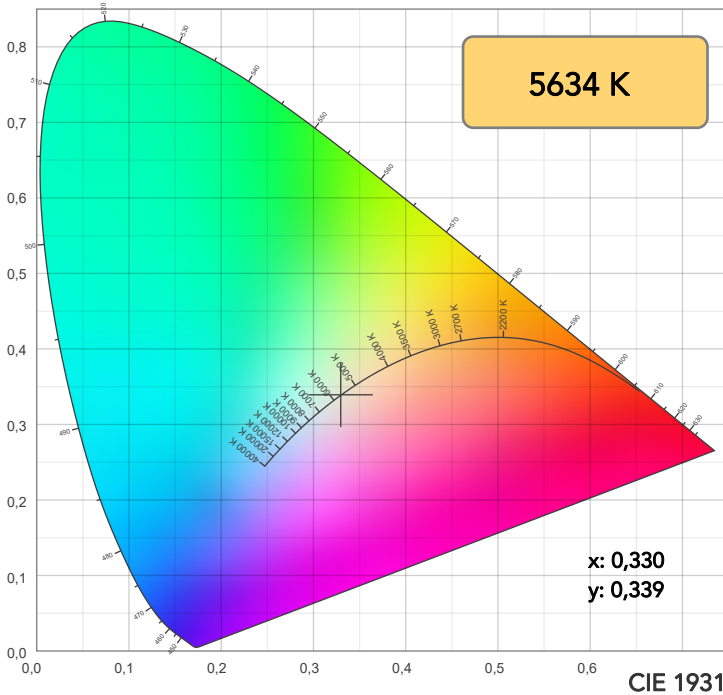
Field angle 10%: 105,3°

Cut off angle 2.5%: 142,7°

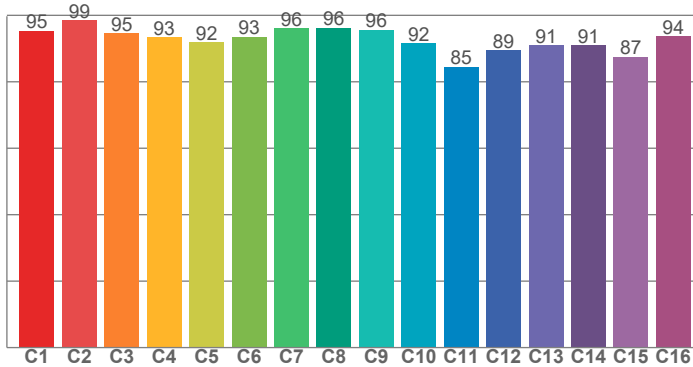
Spectra



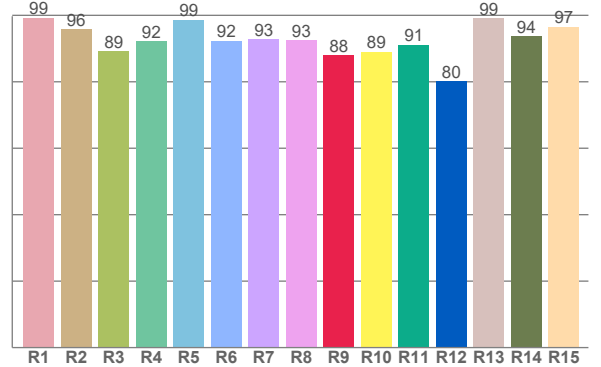
COLOR DETAILS



TM30: 92,7



CRI: 94,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,3	95,8	89,2	92,1	98,7	92,3	92,9	92,5	87,9	89,0	91,1	80,2	99,1	93,8	96,6

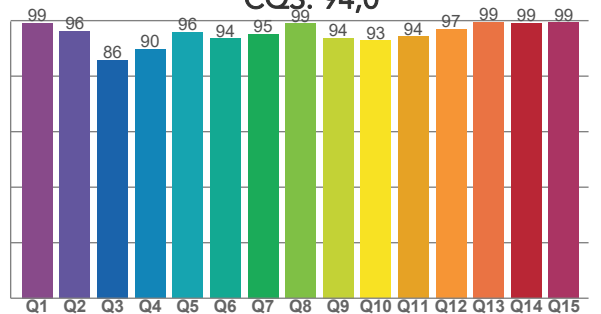
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,3	98,5	94,6	93,3	91,9	93,5	96,1	96,3	95,6	91,6	84,5	89,4	91,0	91,0	87,5	93,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,1	96,1	85,8	89,7	95,8	93,6	95,1	99,0	93,7	92,8	94,3	97,0	99,5	99,0	99,4

CQS: 94,0



COLOR PARAMETERS

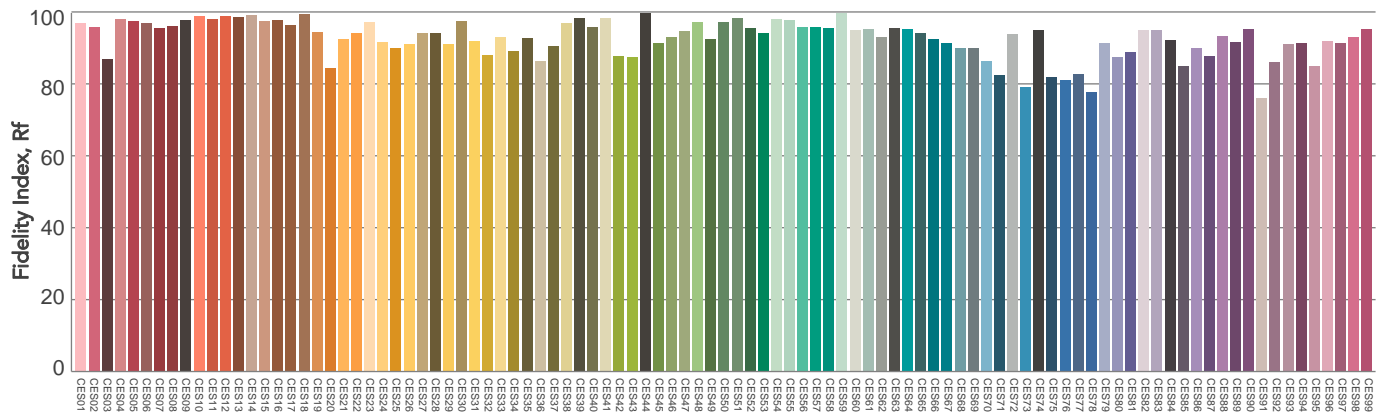
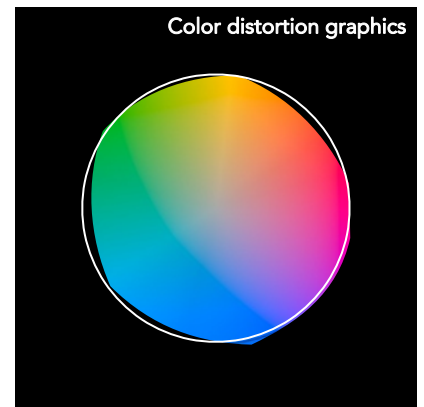
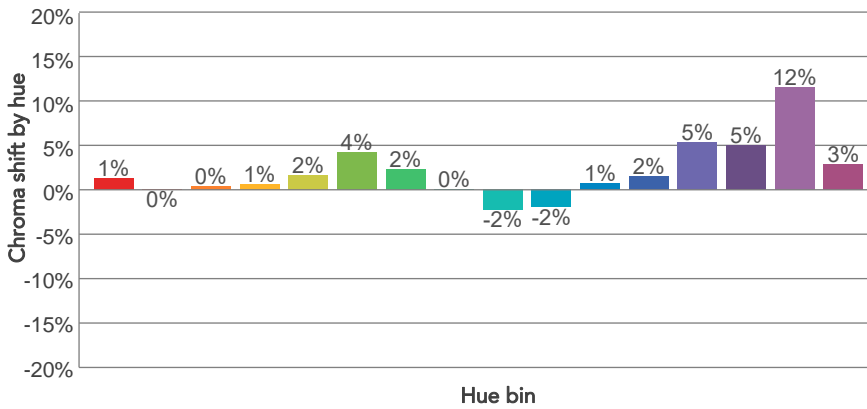
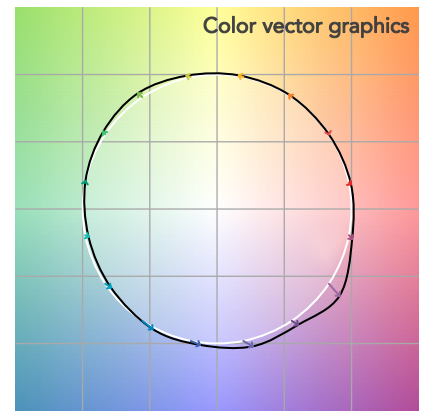
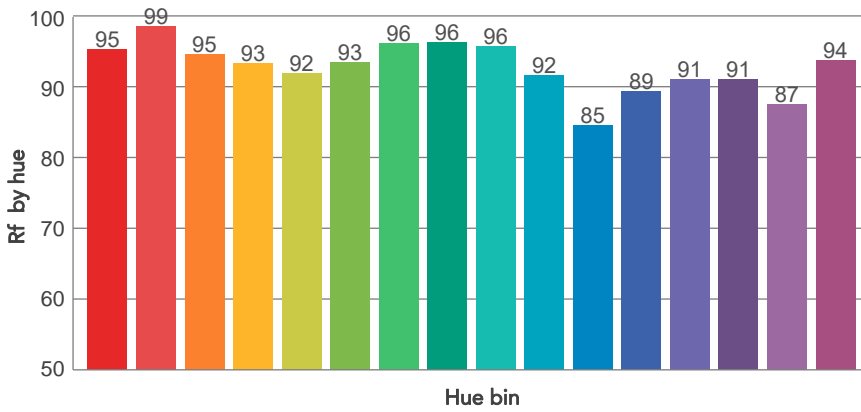
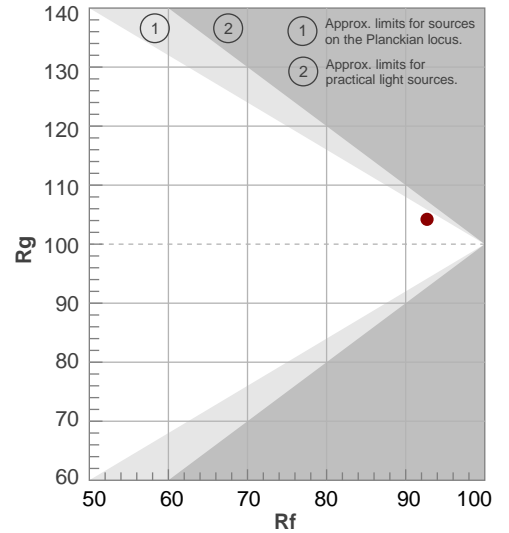
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5634 K	94,1	87,9	92,7	104,2	94,0	98	0,330	0,339	0,0029

TM30 DETAILS

Rf 92,7
Fidelity index Rf

Rg 104,2
Gammut index

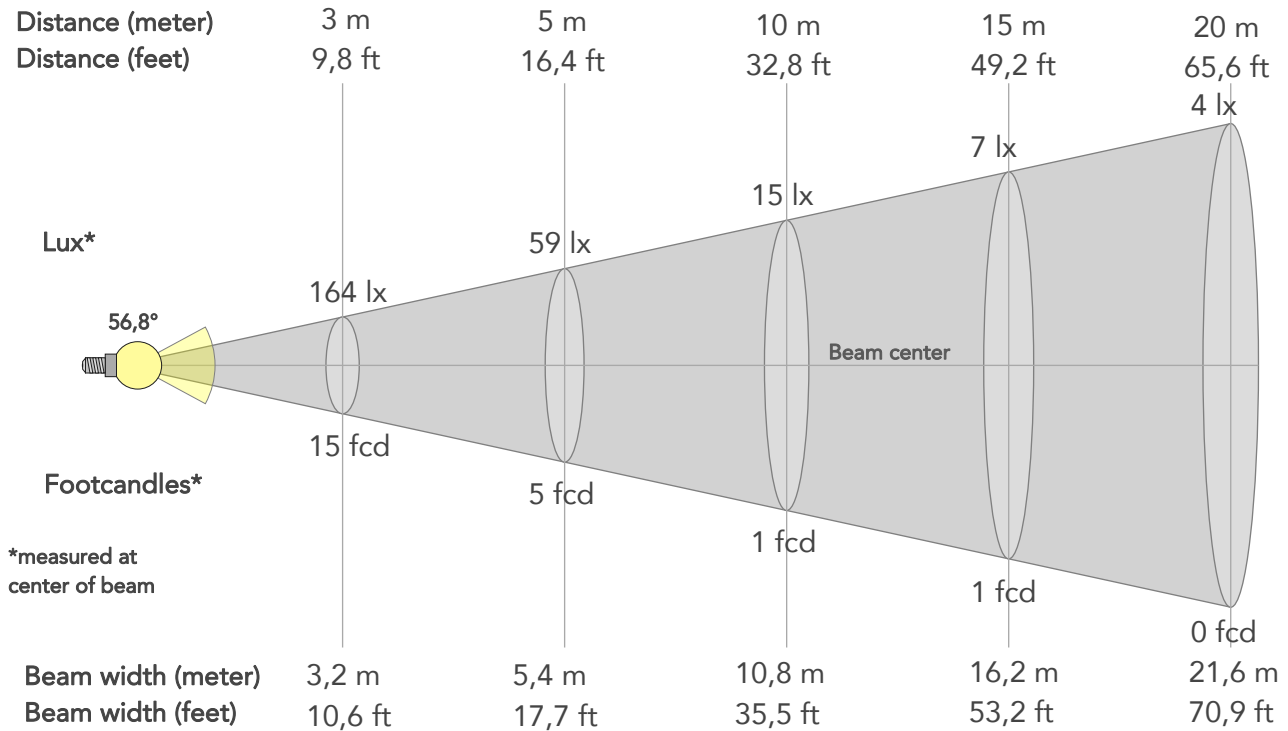
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	1%	-1%
2	99	0%	0%
3	95	0%	3%
4	93	1%	4%
5	92	2%	3%
6	93	4%	1%
7	96	2%	-1%
8	96	0%	-1%
9	96	-2%	2%
10	92	-2%	5%
11	85	1%	10%
12	89	2%	7%
13	91	5%	6%
14	91	5%	2%
15	87	12%	-3%
16	94	3%	-2%



BEAM DETAILS



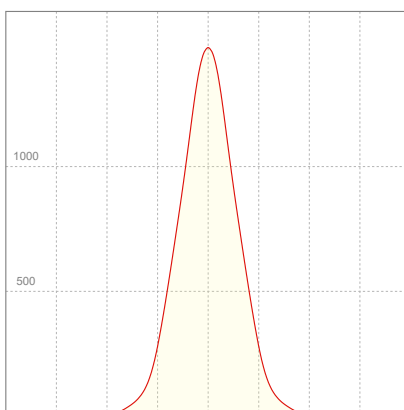
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,8°	105,3°	142,7°	94,1%	81,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1474lx	369lx	164lx	92lx	59lx	26lx	15lx	7lx	4lx	2lx	2lx	1lx	1lx
Footcand.	137fcd	34fcd	15fcd	9fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,2m	4,3m	5,4m	8,1m	10,8m	16,2m	21,6m	27m	32,4m	43,2m	54,1m
Beam wid.	3,6ft	7,1ft	10,6ft	14,2ft	17,7ft	26,6ft	35,5ft	53,2ft	70,9ft	88,7ft	106,4ft	141,8ft	177,3ft

LINEAR DISTRIBUTION DIAGRAM

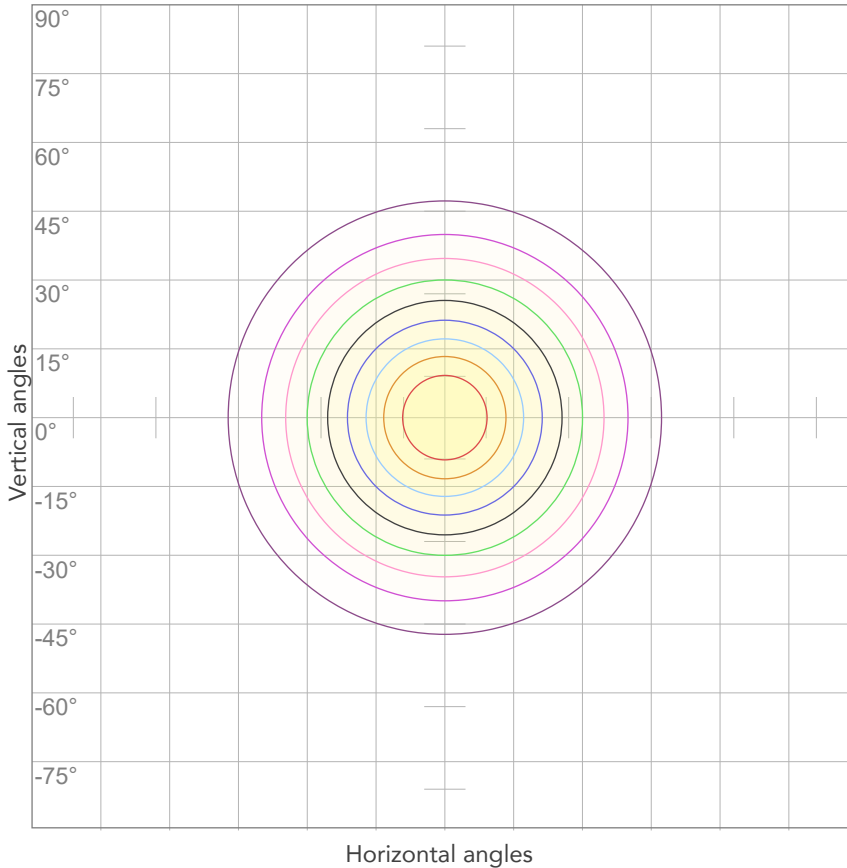


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
223V	0,148A	31,5W	0,95	51lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



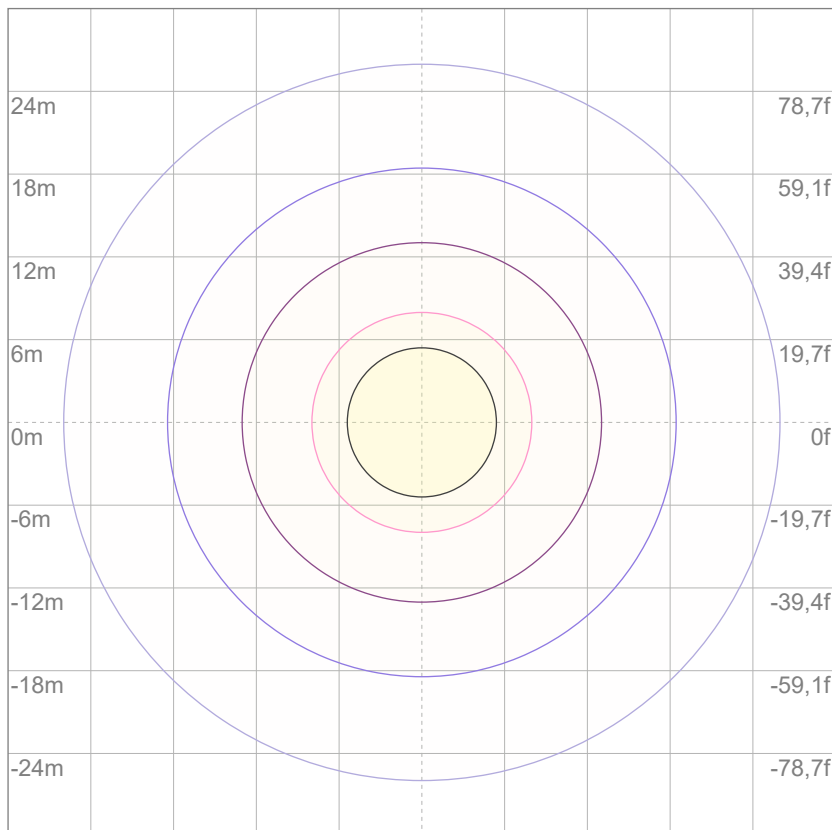
10%	147 cd
20%	295 cd
30%	442 cd
40%	590 cd
50%	737 cd
60%	884 cd
70%	1032 cd
80%	1179 cd

Conditions:

Number of c-planes: 2

Candela at center: 1474 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,442 lx
5%	0,737 lx
10%	1,47 lx
30%	4,42 lx
50%	7,37 lx

Conditions:

Number of c-planes: 2

Lux at center: 14,7 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.



Total lumen output:

2339 lm

Peak candela output:

5126 cd

Light quality:

CRI: 94,0

Color temperature:

5572 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

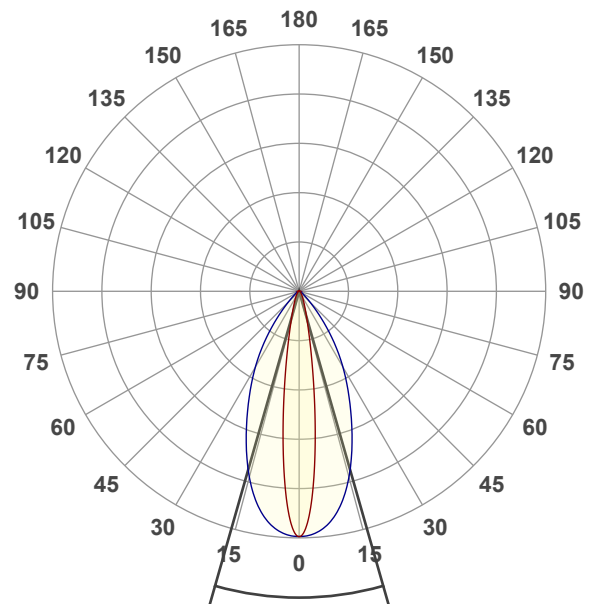
5600K

Operator:

Salvatore Giglio

Date and time:

20/02/2024 10:25:28

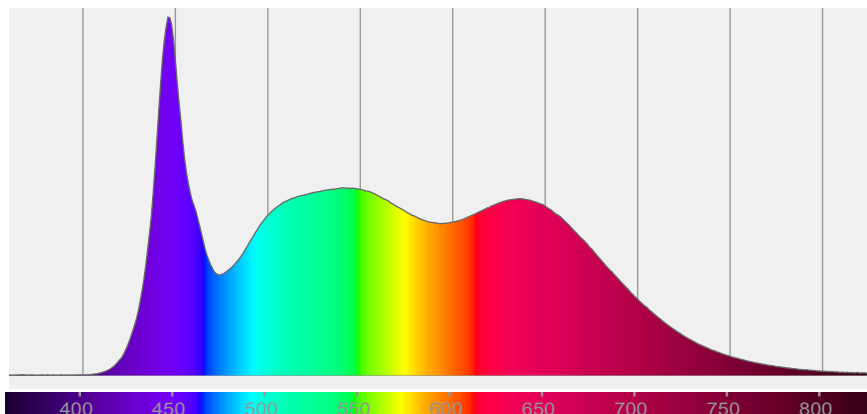


Beam angle 50%: 31,9°

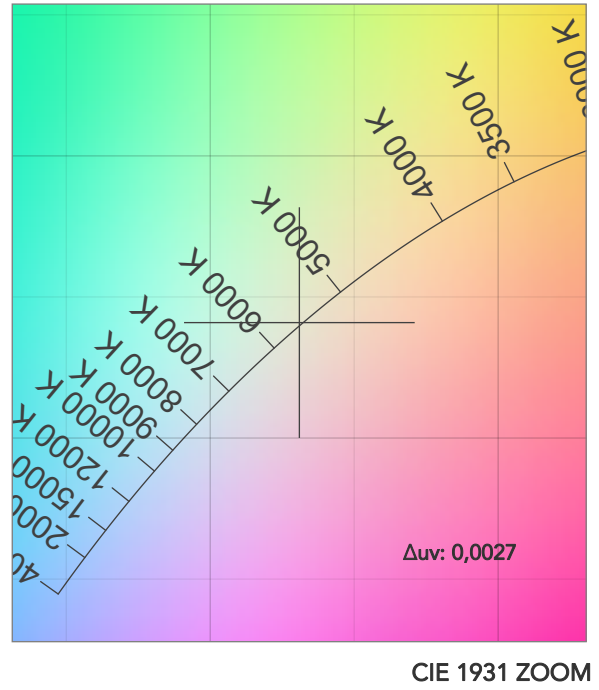
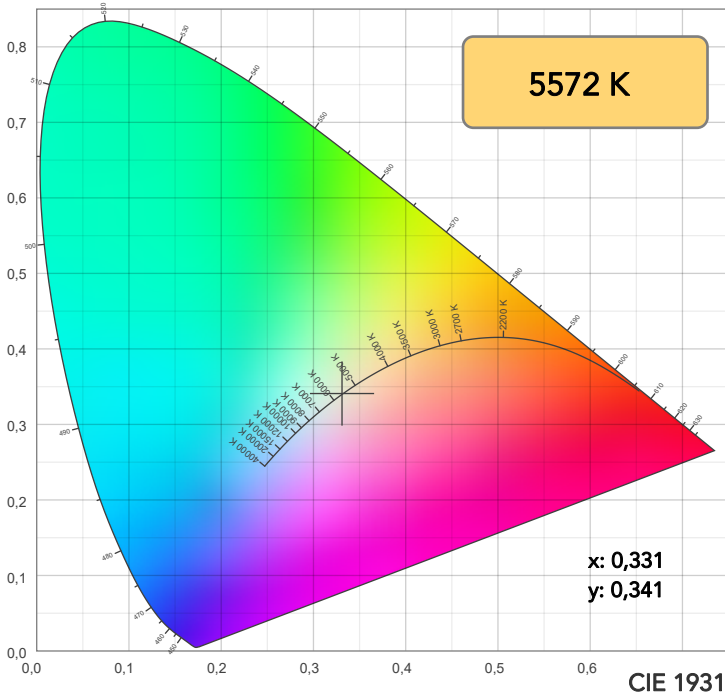
Field angle 10%: 58,7°

Cut off angle 2.5%: 83,8°

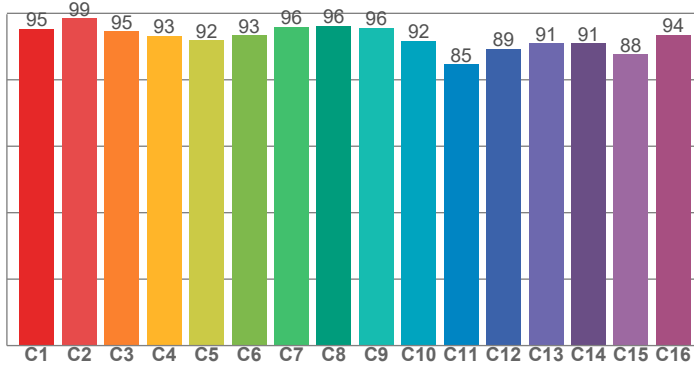
Spectra



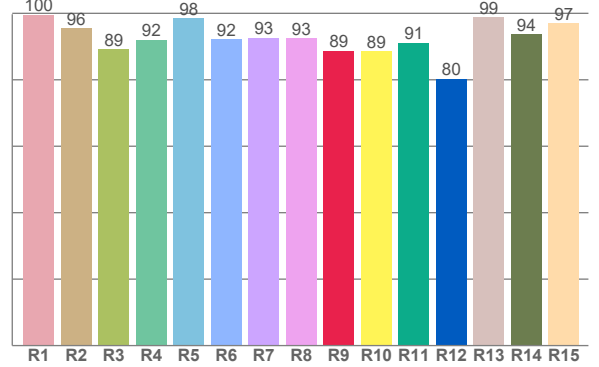
COLOR DETAILS



TM30: 92,7



CRI: 94,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,5	95,6	89,1	92,0	98,4	92,2	92,7	92,6	88,7	88,6	91,1	80,3	98,8	93,7	97,0

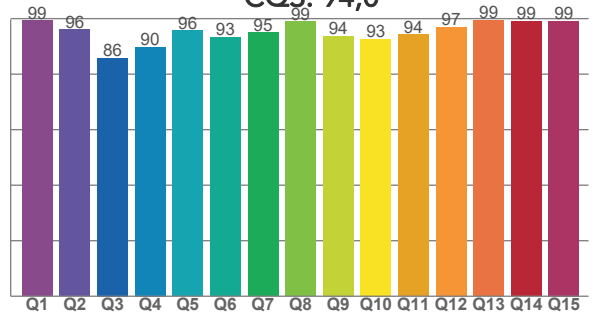
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,4	98,5	94,5	93,1	91,8	93,3	96,0	96,2	95,7	91,7	84,6	89,3	91,0	91,0	87,6	93,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,3	96,1	85,9	89,8	95,7	93,3	94,9	99,0	93,7	92,7	94,3	96,9	99,4	99,0	99,2

CQS: 94,0



COLOR PARAMETERS

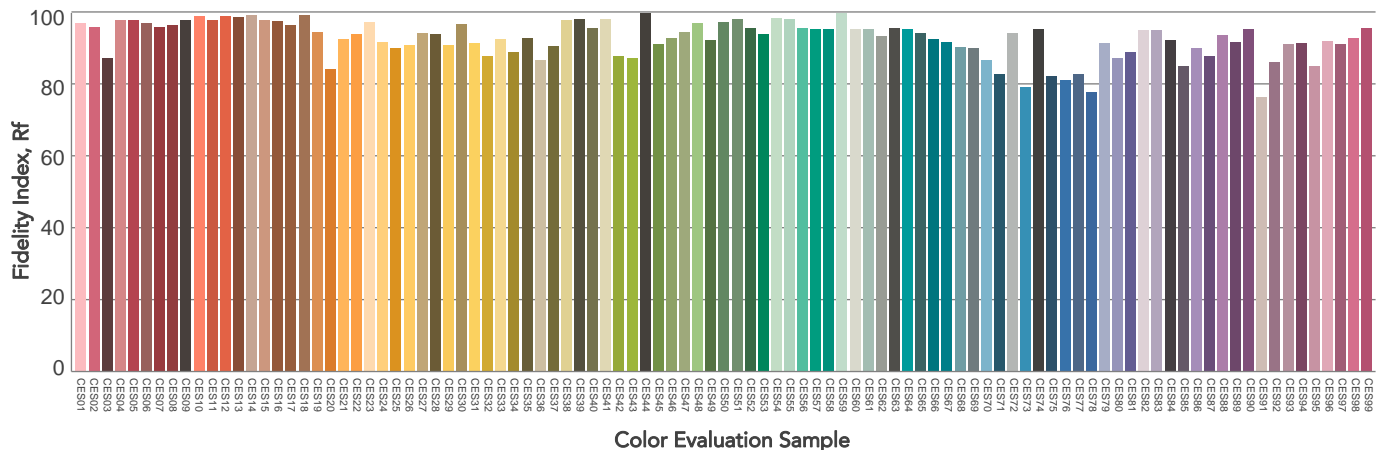
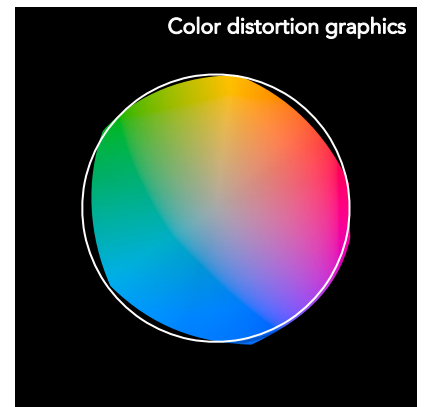
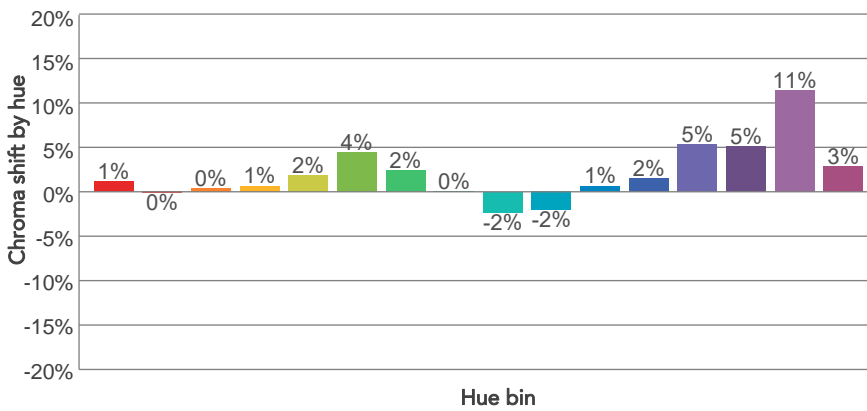
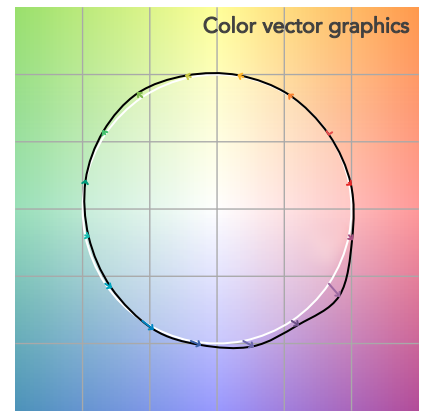
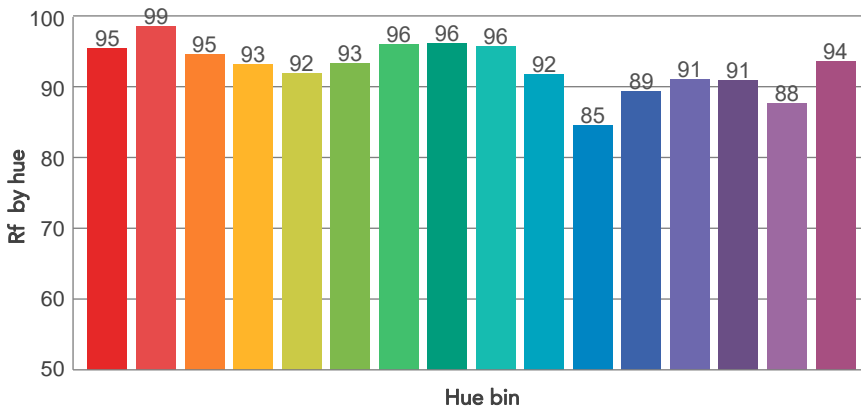
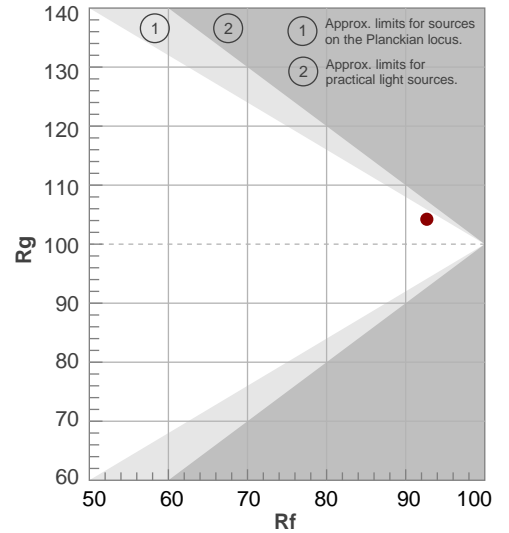
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5572 K	94,0	88,7	92,7	104,2	94,0	98	0,331	0,341	0,0027

TM30 DETAILS

Rf 92,7
Fidelity index Rf

Rg 104,2
Gammut index

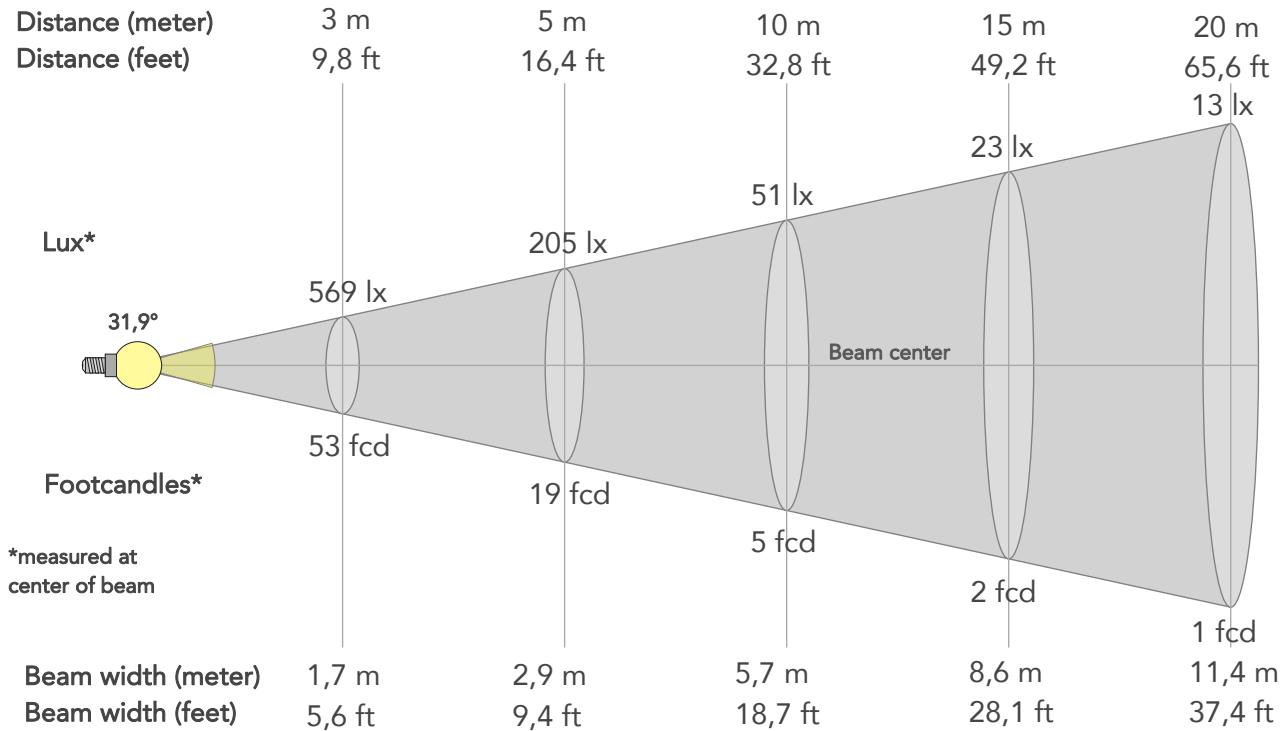
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	1%	-2%
2	99	0%	0%
3	95	0%	3%
4	93	1%	4%
5	92	2%	3%
6	93	4%	1%
7	96	2%	-1%
8	96	0%	-1%
9	96	-2%	1%
10	92	-2%	5%
11	85	1%	10%
12	89	2%	7%
13	91	5%	6%
14	91	5%	2%
15	88	11%	-3%
16	94	3%	-2%



BEAM DETAILS



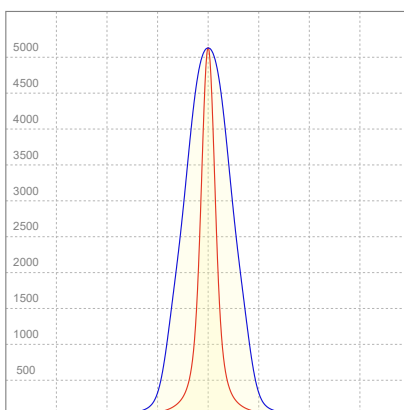
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
31,9°	58,7°	83,8°	97,2%	92,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5125lx	1281lx	569lx	320lx	205lx	91lx	51lx	23lx	13lx	8lx	6lx	3lx	2lx
Footcand.	476fcd	119fcd	53fcd	30fcd	19fcd	8fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,6m	1,1m	1,7m	2,3m	2,9m	4,3m	5,7m	8,6m	11,4m	14,3m	17,1m	22,8m	28,5m
Beam wid.	1,9ft	3,8ft	5,6ft	7,5ft	9,4ft	14ft	18,7ft	28,1ft	37,4ft	46,8ft	56,2ft	74,9ft	93,6ft

LINEAR DISTRIBUTION DIAGRAM

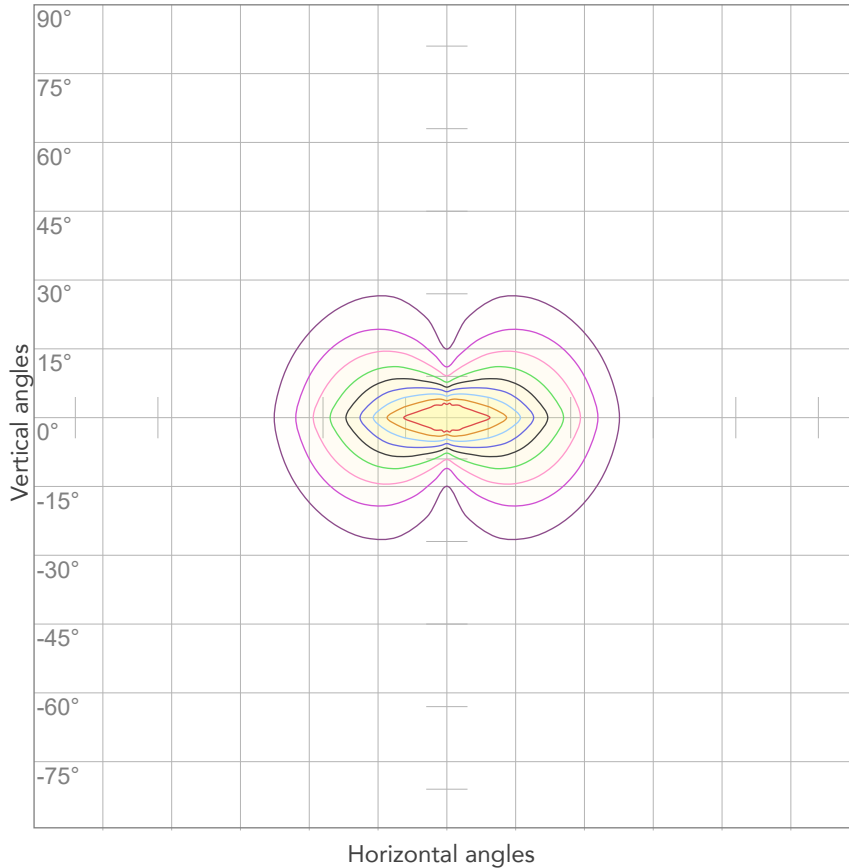


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,147A	31,6W	0,96	74lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



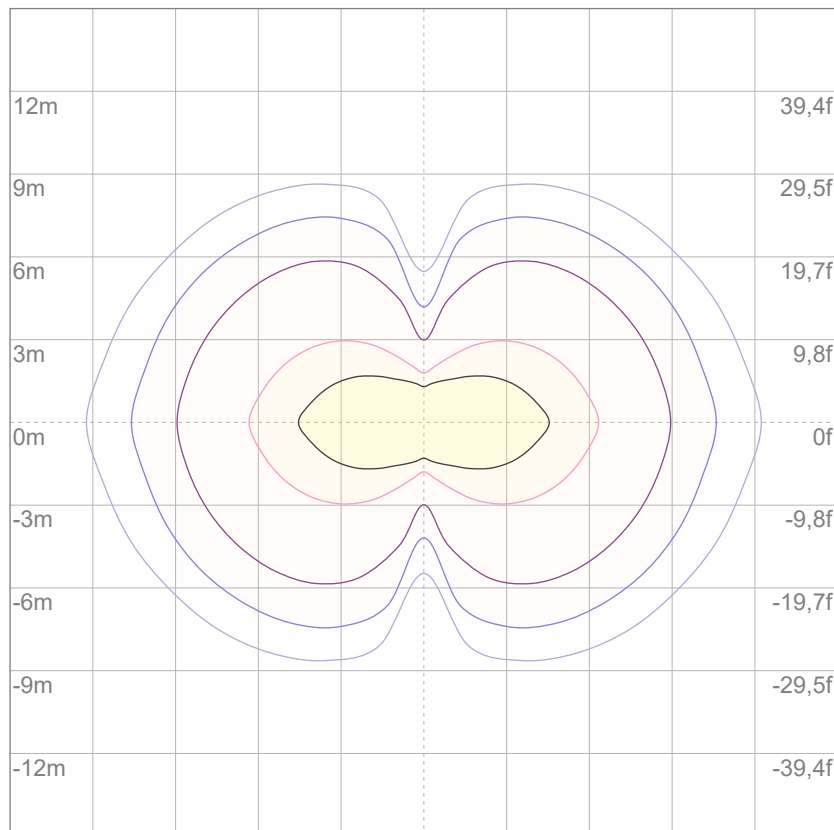
10%	512 cd
20%	1025 cd
30%	1537 cd
40%	2050 cd
50%	2562 cd
60%	3075 cd
70%	3587 cd
80%	4100 cd

Conditions:

Number of c-planes: 4

Candela at center: 5125 cd

ISO LUX DIAGRAM



3%	1,54 lx
5%	2,56 lx
10%	5,12 lx
30%	15,4 lx
50%	25,6 lx

Conditions:

Number of c-planes: 4

Lux at center: 51,2 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1534 lm

Peak candela output:

2528 cd

Light quality:

CRI: 94,2

Color temperature:

5635 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

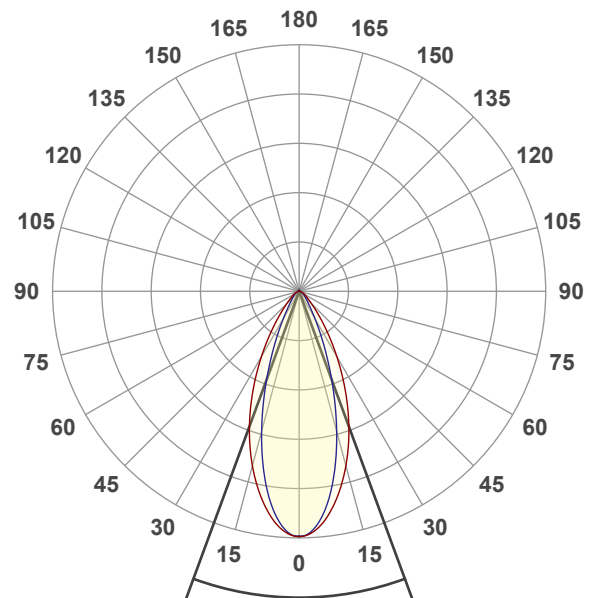
5600K

Operator:

Salvatore Giglio

Date and time:

20/02/2024 11:58:24

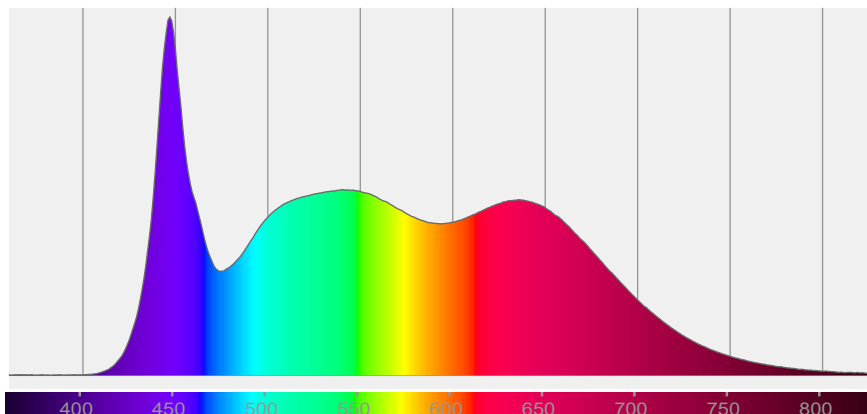


Beam angle 50%: 40,4°

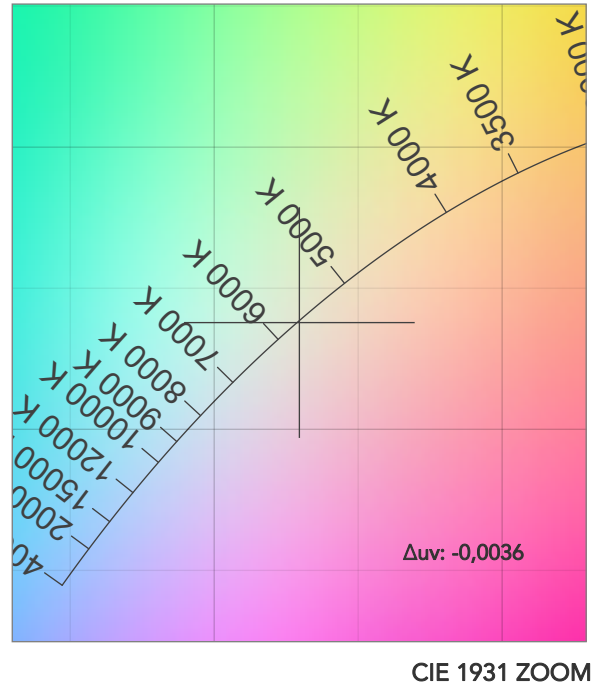
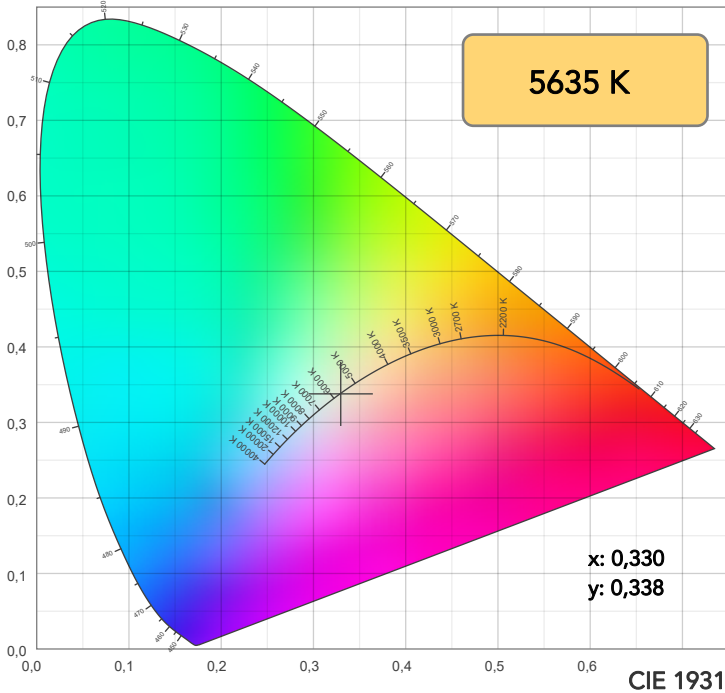
Field angle 10%: 73,9°

Cut off angle 2.5%: 111,7°

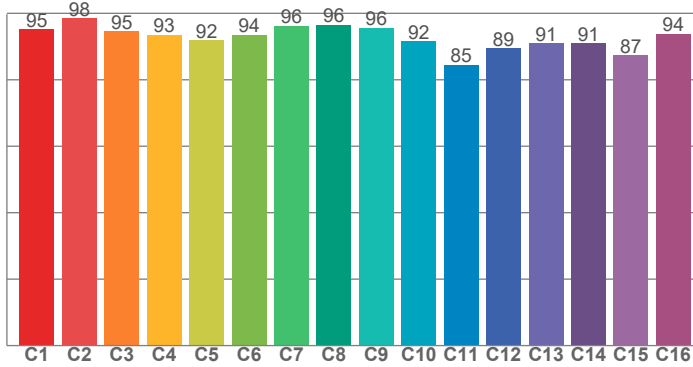
Spectra



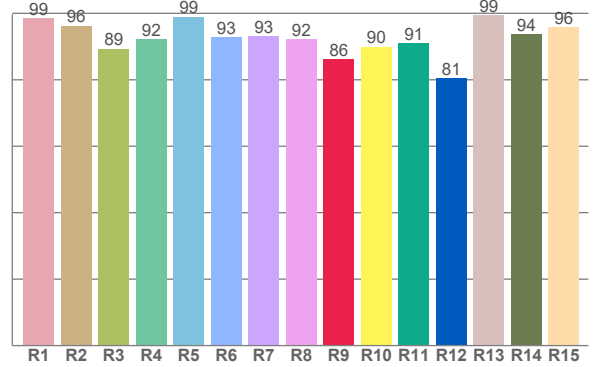
COLOR DETAILS



TM30: 92,7



CRI: 94,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,5	96,2	89,4	92,2	99,0	92,8	93,1	92,2	86,2	89,9	91,0	80,6	99,4	93,8	95,7

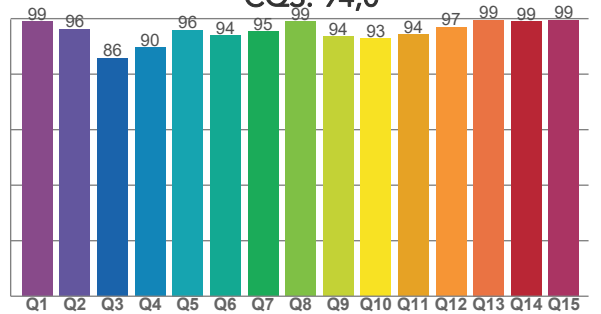
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,2	98,4	94,5	93,4	91,9	93,6	96,2	96,4	95,6	91,5	84,5	89,5	91,0	90,9	87,4	93,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,9	96,1	85,7	89,5	96,0	93,9	95,4	98,9	93,5	92,8	94,2	96,9	99,4	99,0	99,4

CQS: 94,0



COLOR PARAMETERS

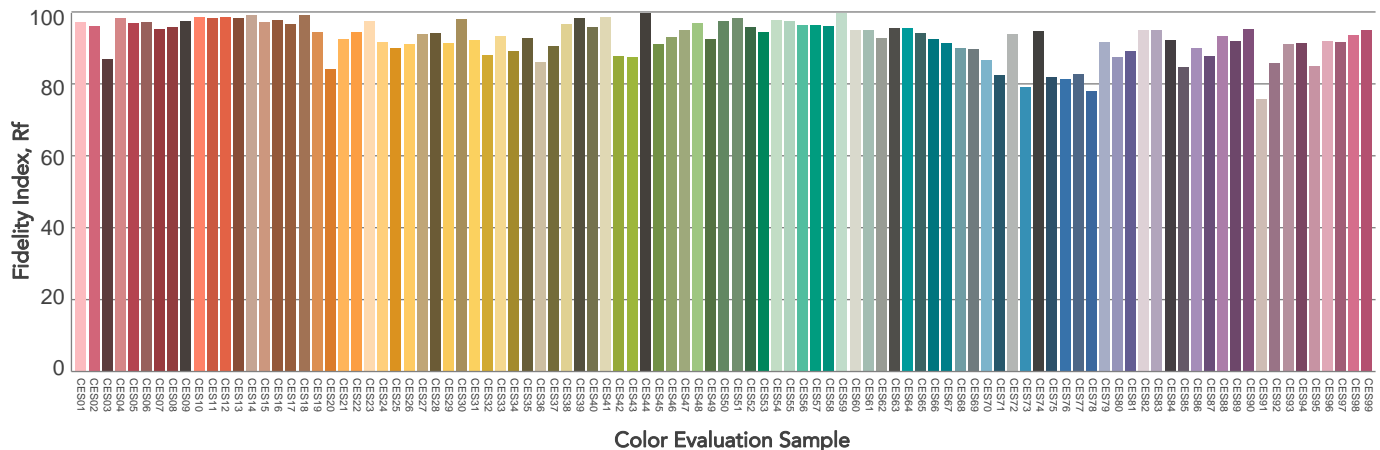
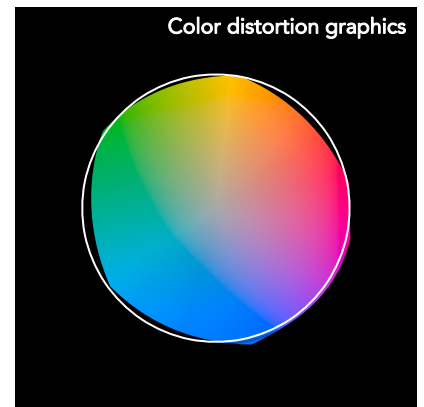
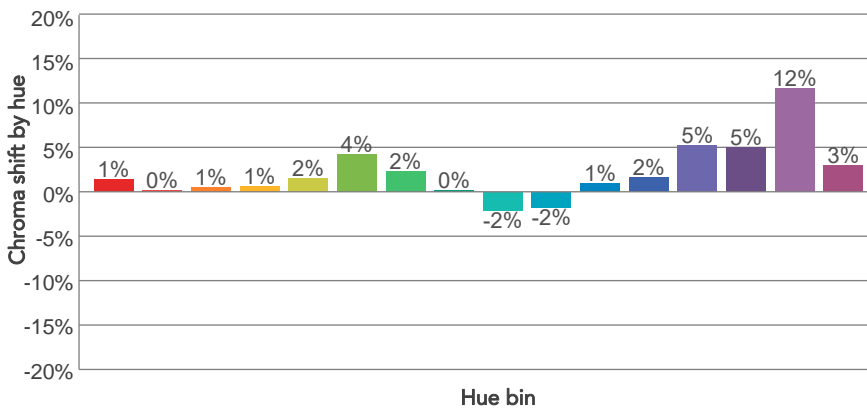
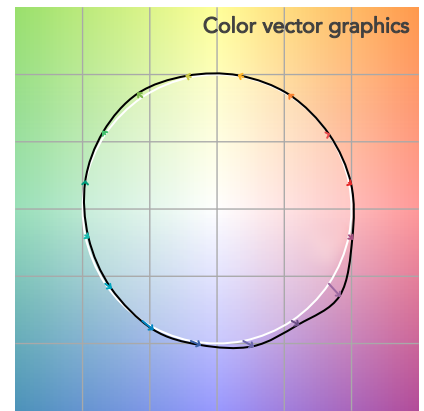
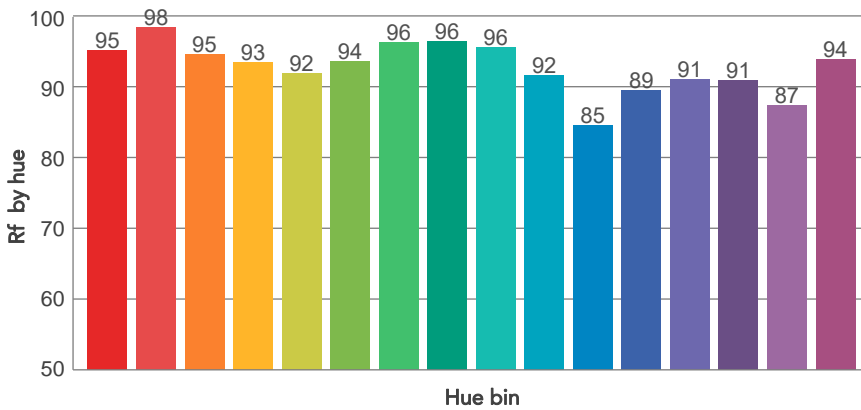
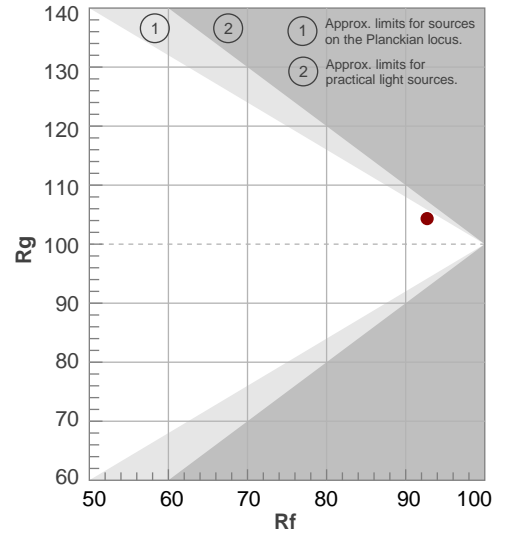
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5635 K	94,2	86,2	92,7	104,3	94,0	98	0,330	0,338	-0,0036

TM30 DETAILS

Rf 92,7
Fidelity index Rf

Rg 104,3
Gammut index

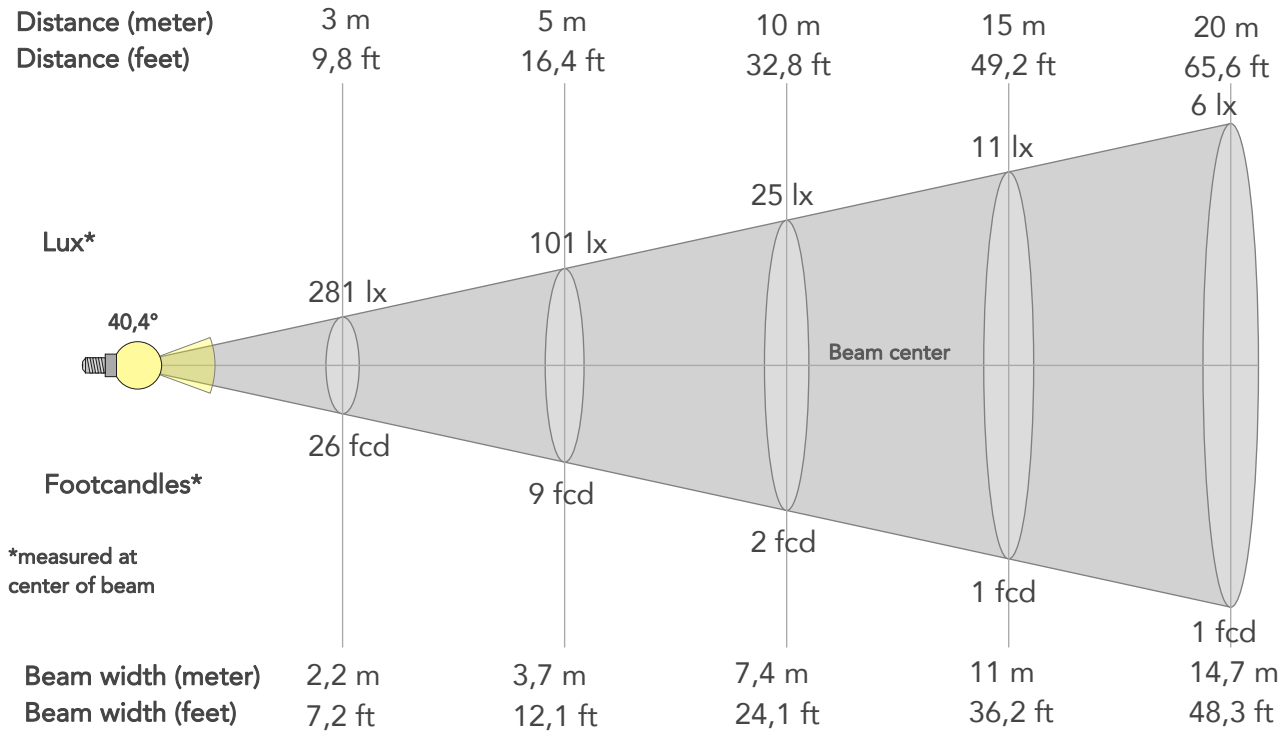
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	1%	-1%
2	98	0%	0%
3	95	1%	2%
4	93	1%	3%
5	92	2%	3%
6	94	4%	1%
7	96	2%	-1%
8	96	0%	-1%
9	96	-2%	2%
10	92	-2%	5%
11	85	1%	10%
12	89	2%	7%
13	91	5%	6%
14	91	5%	3%
15	87	12%	-3%
16	94	3%	-2%



BEAM DETAILS



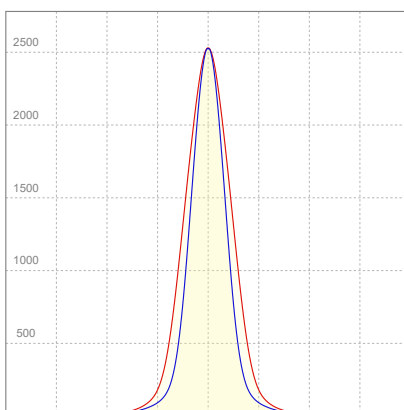
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40,4°	73,9°	111,7°	95,5%	88,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2526lx	632lx	281lx	158lx	101lx	45lx	25lx	11lx	6lx	4lx	3lx	2lx	1lx
Footcand.	235fcd	59fcd	26fcd	15fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	2,9m	3,7m	5,5m	7,4m	11m	14,7m	18,4m	22,1m	29,4m	36,8m
Beam wid.	2,4ft	4,9ft	7,2ft	9,6ft	12,1ft	18,1ft	24,1ft	36,2ft	48,3ft	60,3ft	72,4ft	96,5ft	120,6ft

LINEAR DISTRIBUTION DIAGRAM

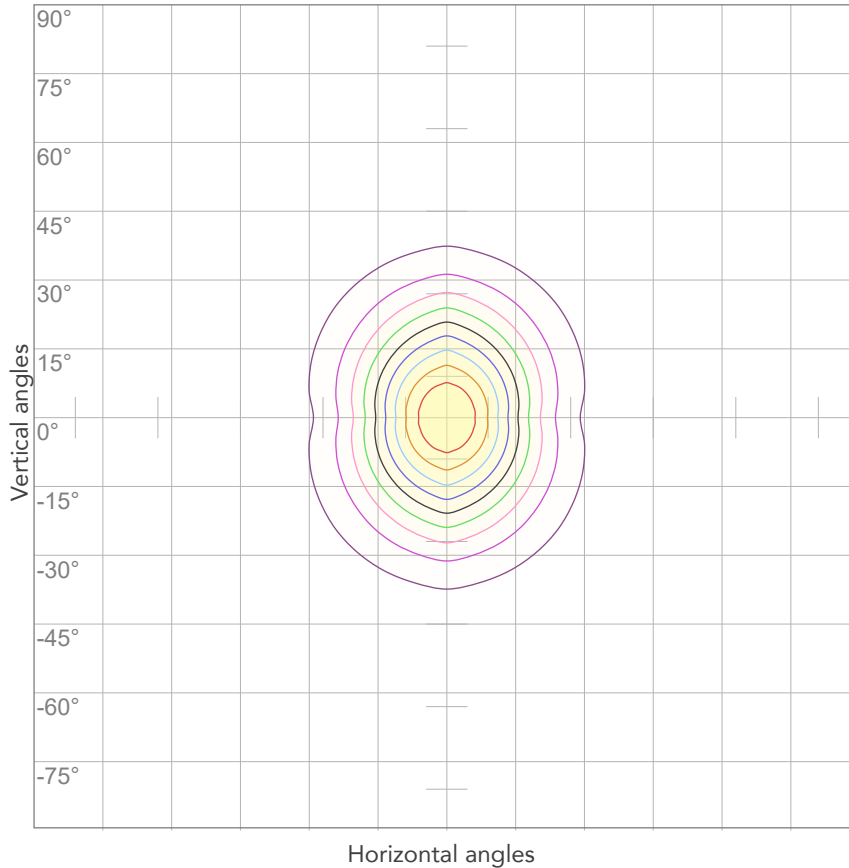


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,144A	31,3W	0,96	49lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



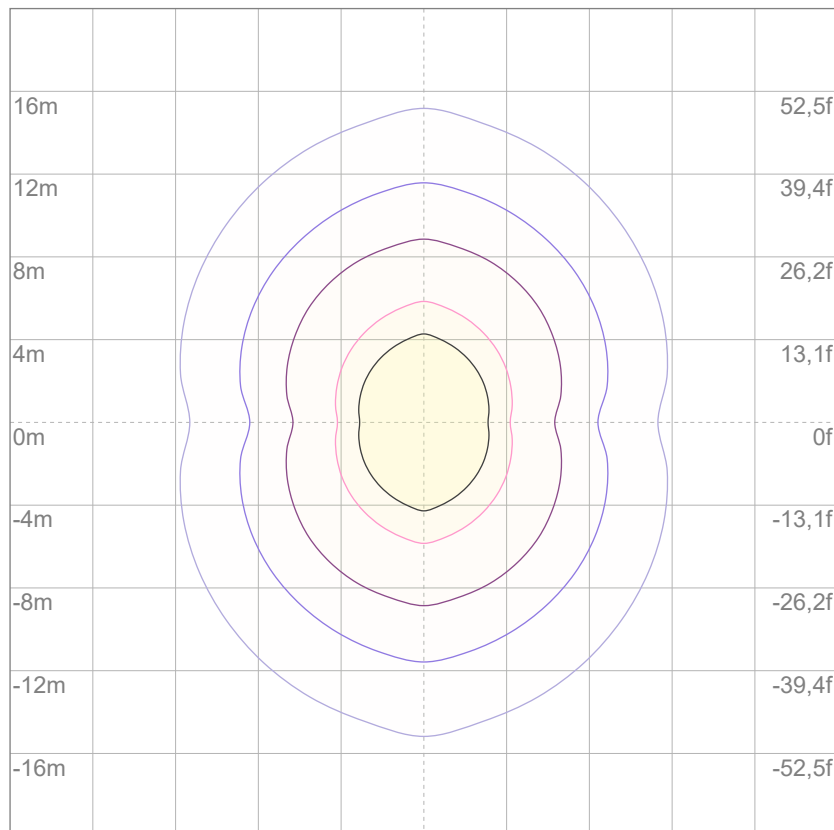
10%	253 cd
20%	505 cd
30%	758 cd
40%	1011 cd
50%	1263 cd
60%	1516 cd
70%	1769 cd
80%	2021 cd

Conditions:

Number of c-planes: 4

Candela at center: 2526 cd

ISO LUX DIAGRAM



3%	0,758 lx
5%	1,26 lx
10%	2,53 lx
30%	7,58 lx
50%	12,6 lx

Conditions:

Number of c-planes: 4

Lux at center: 25,3 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1646 lm

Peak candela output:

32993 cd

Light quality:

CRI: 93,4

Color temperature:

6584 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

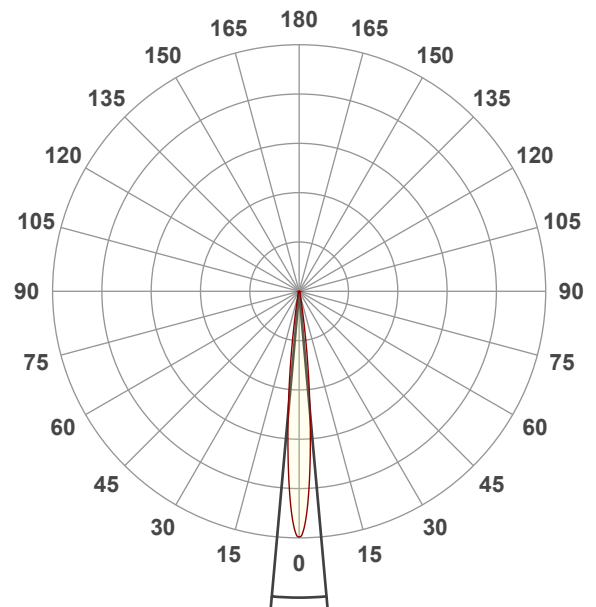
6500K

Operator:

Salvatore Giglio

Date and time:

19/02/2024 16:54:01

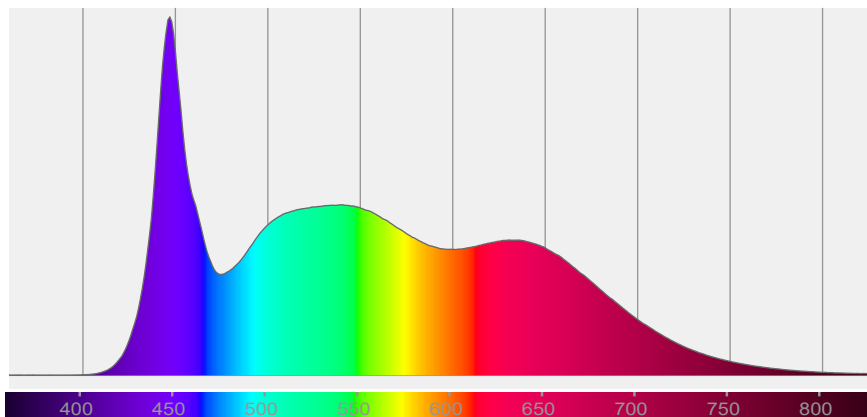


Beam angle 50%: 10,2°

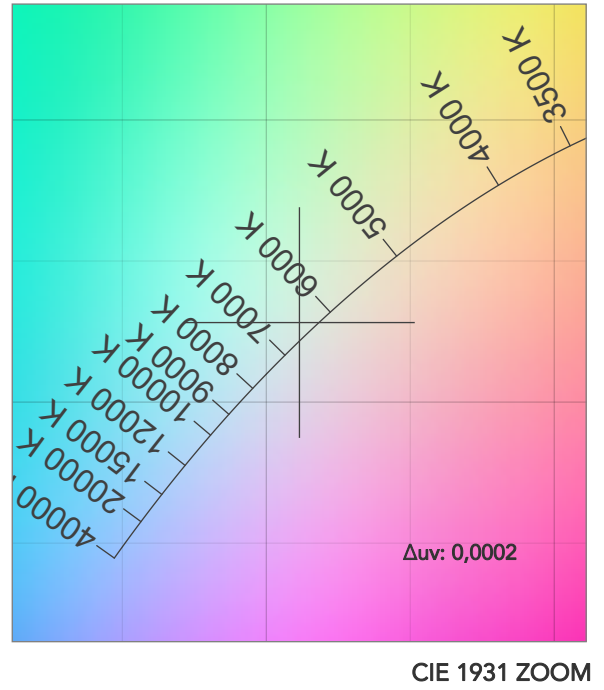
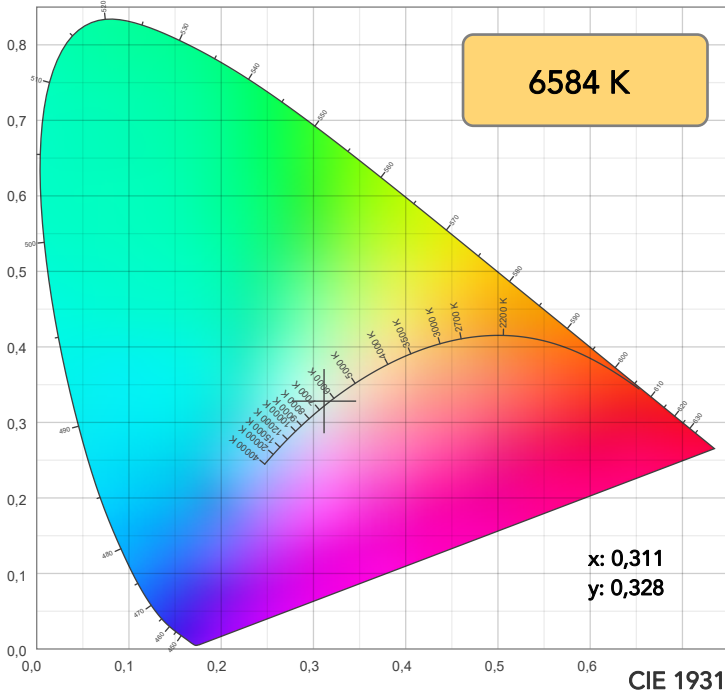
Field angle 10%: 18,6°

Cut off angle 2.5%: 27,5°

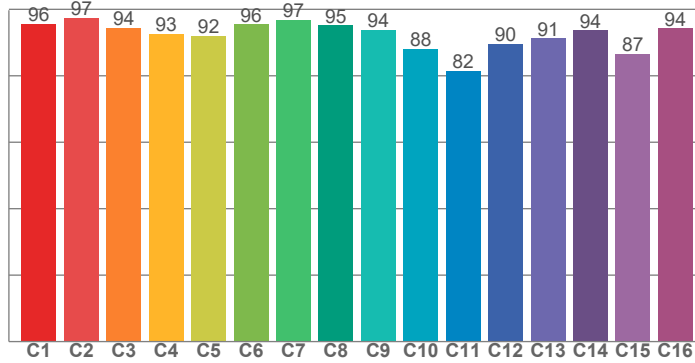
Spectra



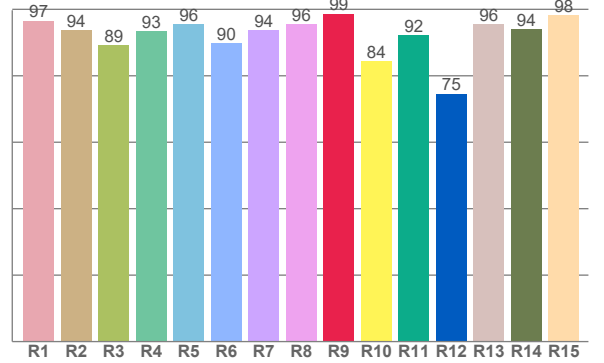
COLOR DETAILS



TM30: 92,3



CRI: 93,4 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,6	93,7	89,2	93,4	95,6	89,8	93,7	95,6	98,7	84,4	92,2	74,6	95,5	94,0	98,3

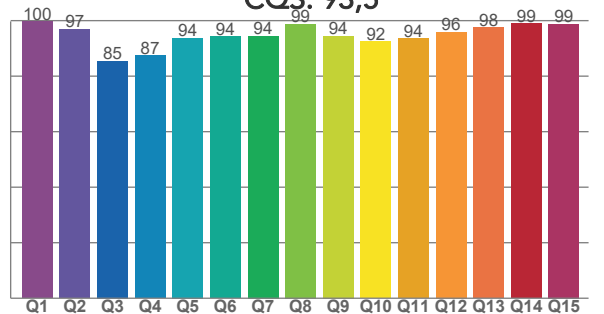
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,7	97,4	94,4	92,6	92,0	95,5	96,8	95,2	93,9	88,1	81,5	89,6	91,2	93,7	86,5	94,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,7	96,9	85,4	87,4	93,8	94,2	94,5	98,7	94,5	92,5	93,6	95,9	97,6	98,9	98,8

CQS: 93,5



COLOR PARAMETERS

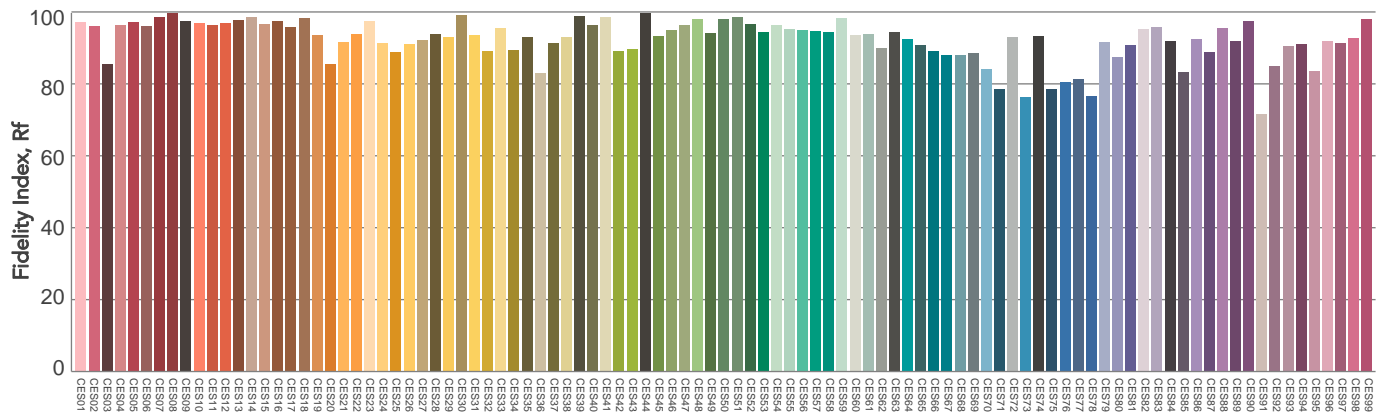
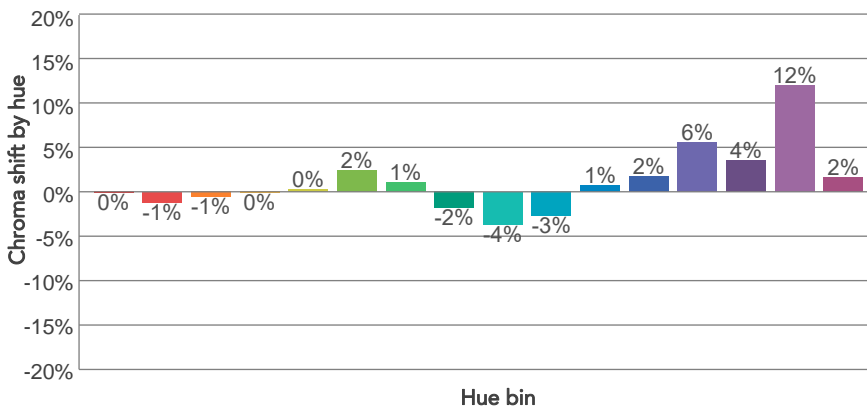
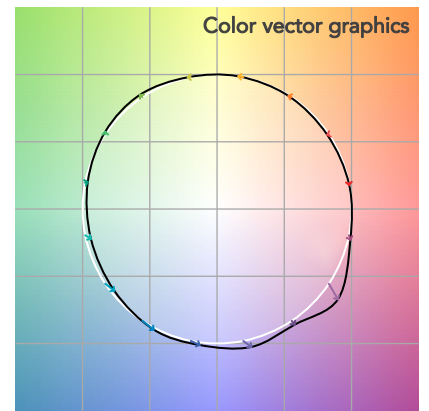
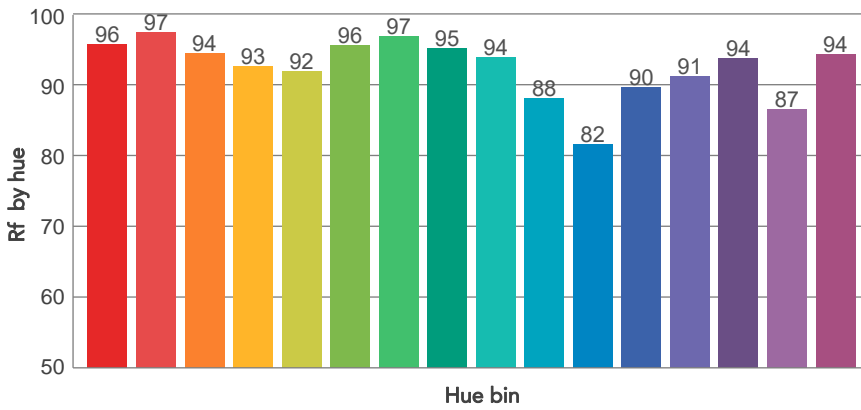
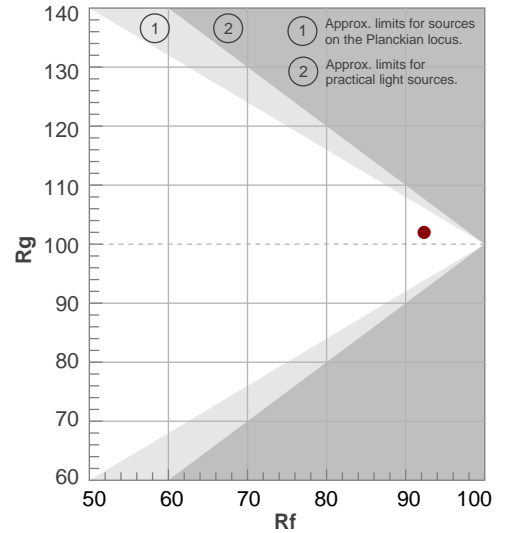
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6584 K	93,4	98,7	92,3	102,0	93,5	98	0,311	0,328	0,0002

TM30 DETAILS

Rf 92,3
Fidelity index Rf

Rg 102,0
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-2%
2	97	-1%	0%
3	94	-1%	3%
4	93	0%	4%
5	92	0%	2%
6	96	2%	1%
7	97	1%	-2%
8	95	-2%	-1%
9	94	-4%	3%
10	88	-3%	8%
11	82	1%	11%
12	90	2%	7%
13	91	6%	5%
14	94	4%	0%
15	87	12%	-6%
16	94	2%	-3%

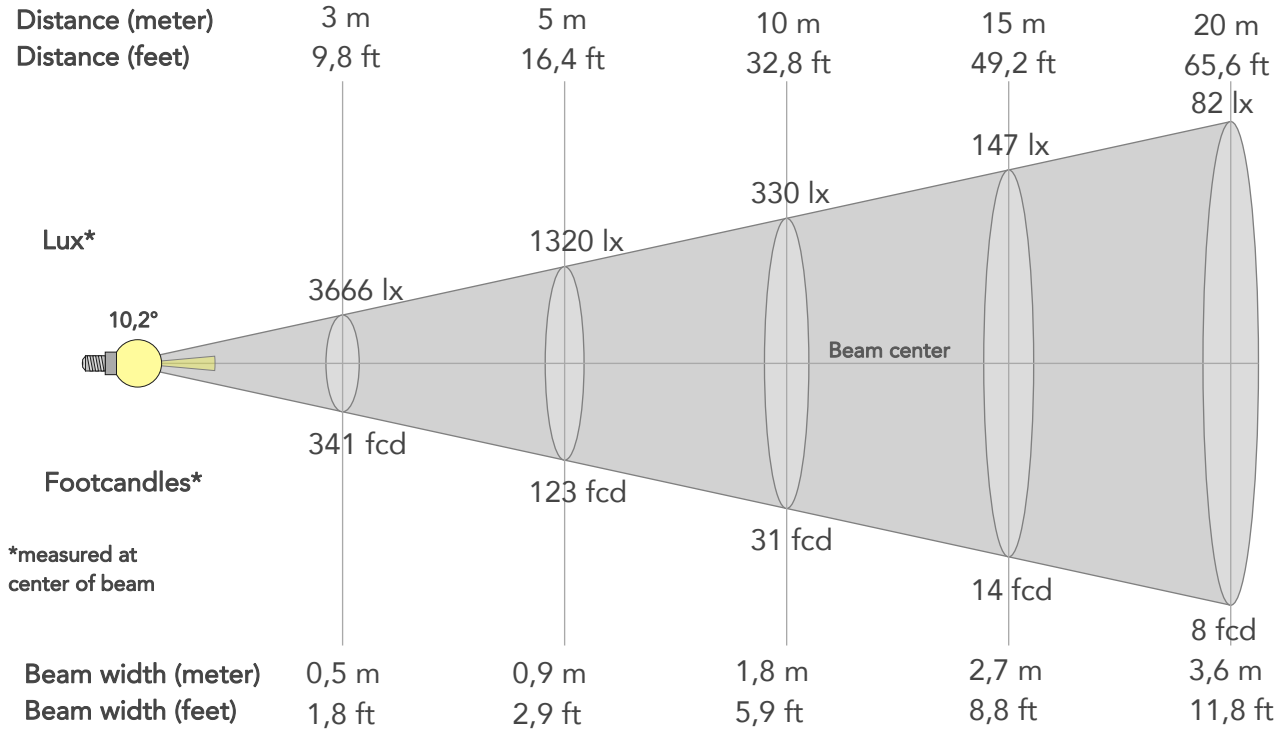


Color Evaluation Sample

BEAM DETAILS



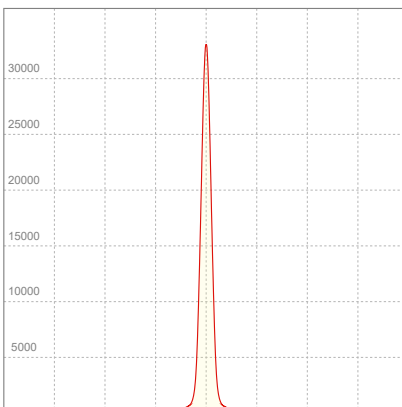
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,2°	18,6°	27,5°	97,6%	94,5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	32993lx	8248lx	3666lx	2062lx	1320lx	587lx	330lx	147lx	82lx	53lx	37lx	21lx	13lx
Footcand.	3065fcd	766fcd	341fcd	192fcd	123fcd	54fcd	31fcd	14fcd	8fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,7m	3,6m	4,5m	5,4m	7,2m	9m
Beam wid.	0,6ft	1,2ft	1,8ft	2,3ft	2,9ft	4,4ft	5,9ft	8,8ft	11,8ft	14,7ft	17,7ft	23,5ft	29,4ft

LINEAR DISTRIBUTION DIAGRAM

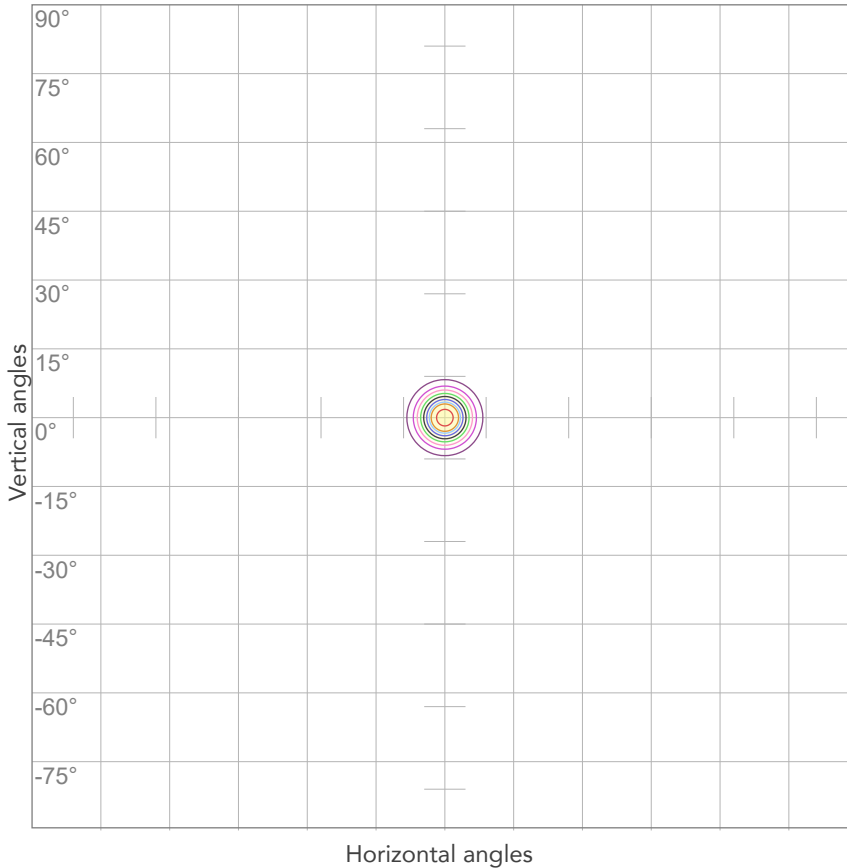


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,127A	26,7W	0,93	62lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



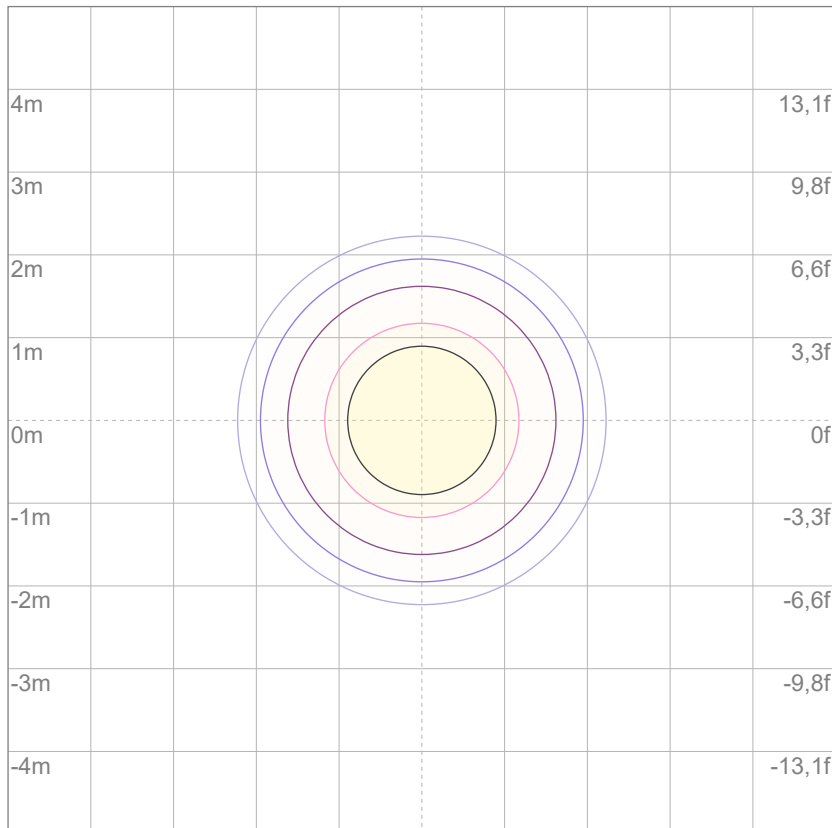
10%	3299 cd
20%	6599 cd
30%	9898 cd
40%	13197 cd
50%	16497 cd
60%	19796 cd
70%	23095 cd
80%	26395 cd

Conditions:

Number of c-planes: 2

Candela at center: 32993 cd

ISO LUX DIAGRAM



3%	9,90 lx
5%	16,5 lx
10%	33,0 lx
30%	99,0 lx
50%	165 lx

Conditions:

Number of c-planes: 2

Lux at center: 330 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1500 lm

Peak candela output:

6142 cd

Light quality:

CRI: 93,6

Color temperature:

6569 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

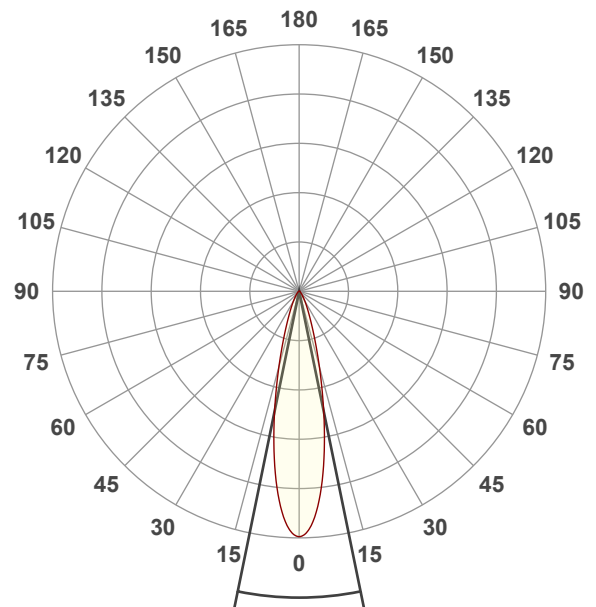
6500K

Operator:

Salvatore Giglio

Date and time:

19/02/2024 17:28:01

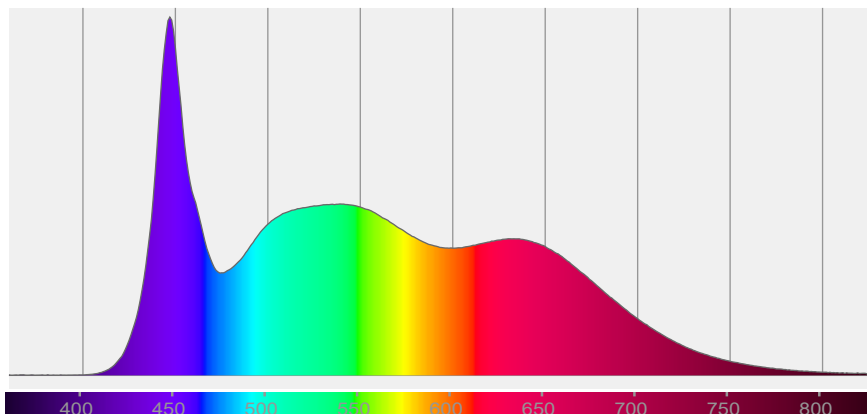


Beam angle 50%: 23,1°

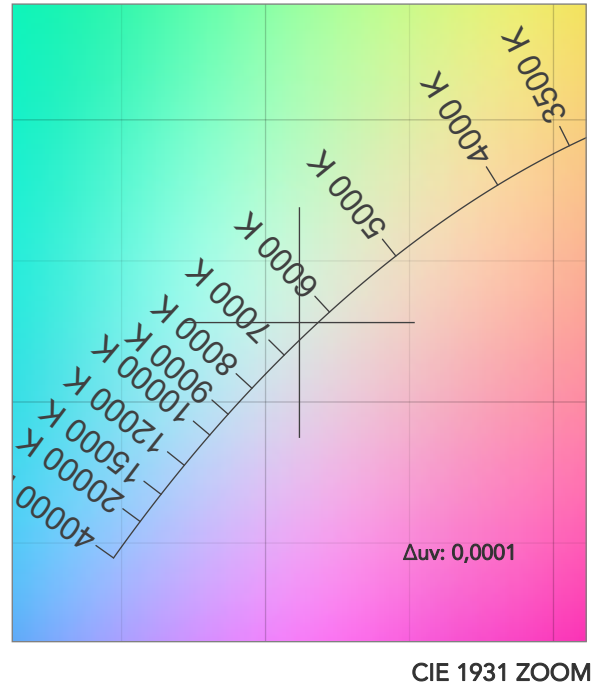
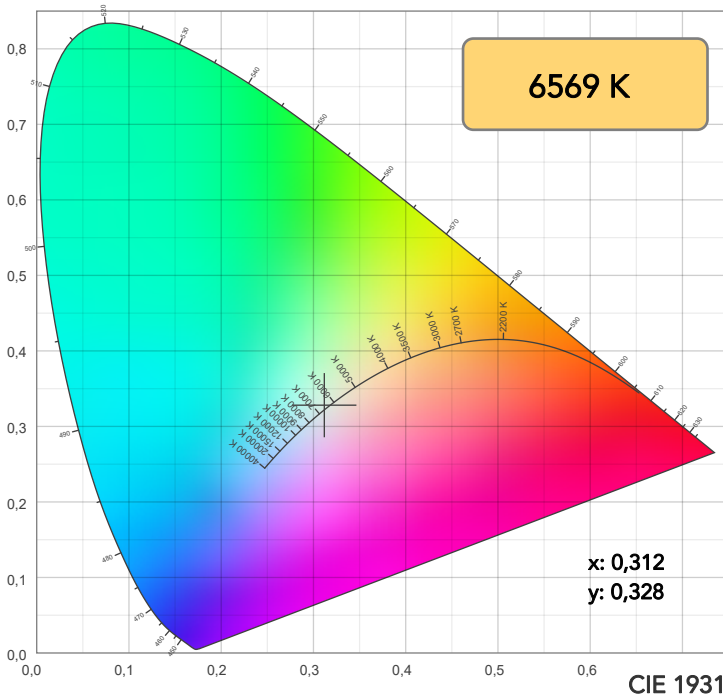
Field angle 10%: 46,8°

Cut off angle 2.5%: 72,5°

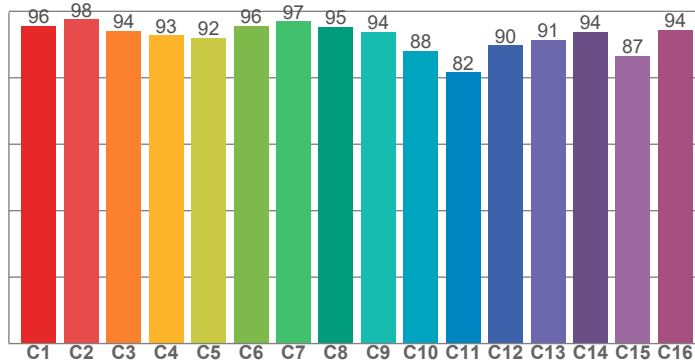
Spectra



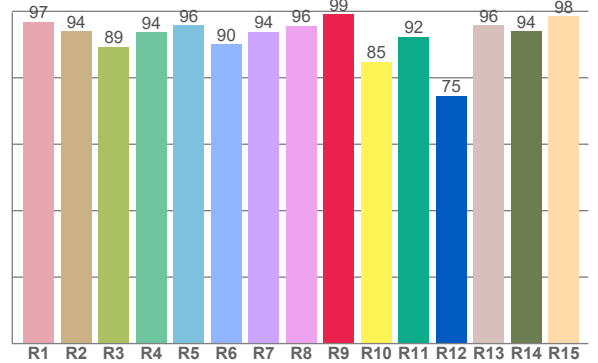
COLOR DETAILS



TM30: 92,4



CRI: 93,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,9	93,9	89,3	93,6	95,8	90,1	93,9	95,7	99,1	84,9	92,4	74,6	95,8	94,1	98,4

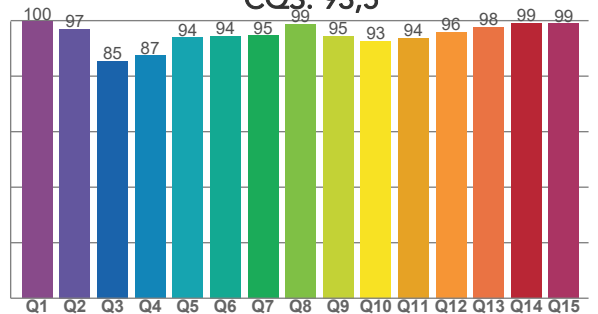
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,7	97,5	94,2	92,7	92,0	95,6	96,9	95,3	93,8	88,0	81,6	89,8	91,3	93,8	86,5	94,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,7	96,9	85,5	87,4	93,9	94,4	94,6	98,8	94,5	92,6	93,7	96,0	97,7	99,0	98,9

CQS: 93,5



COLOR PARAMETERS

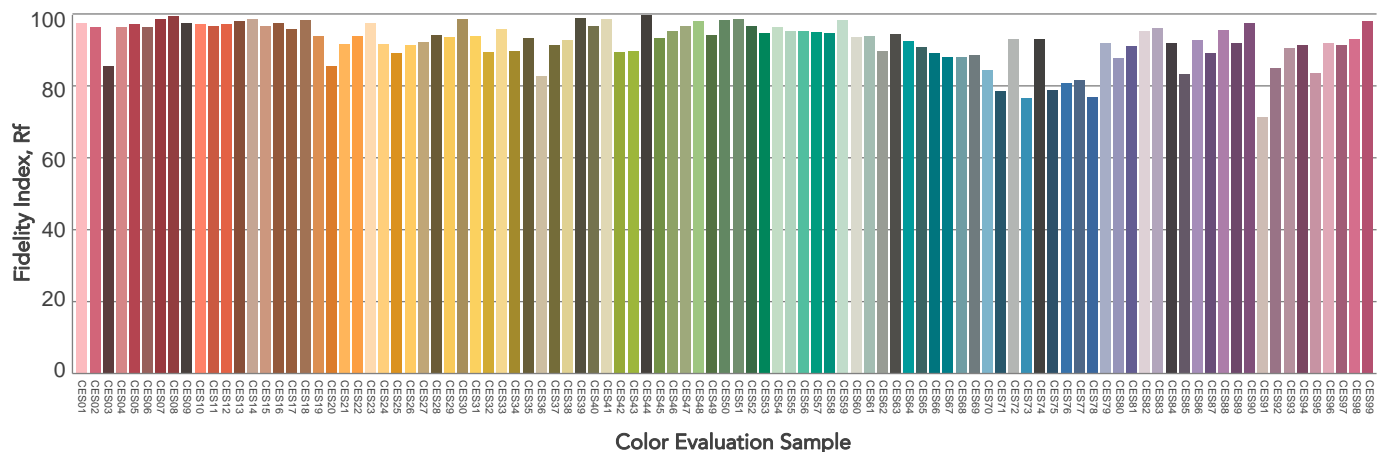
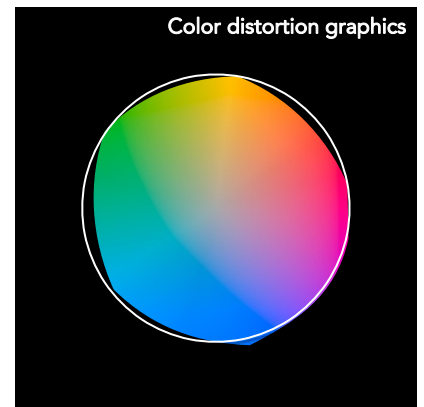
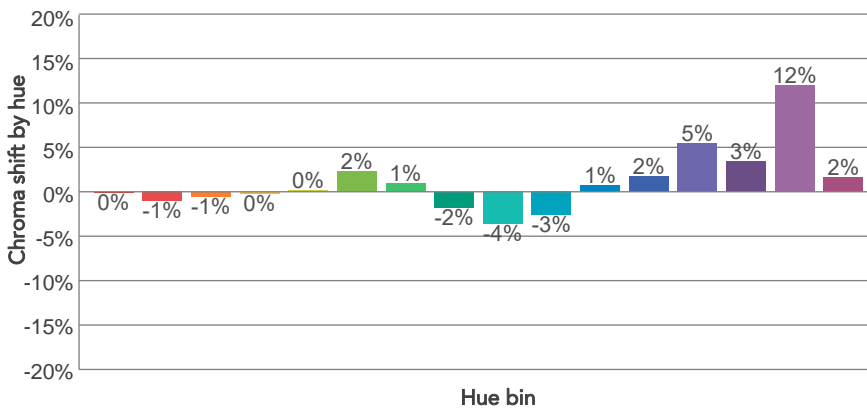
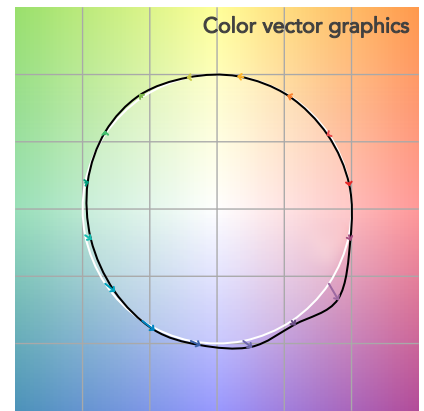
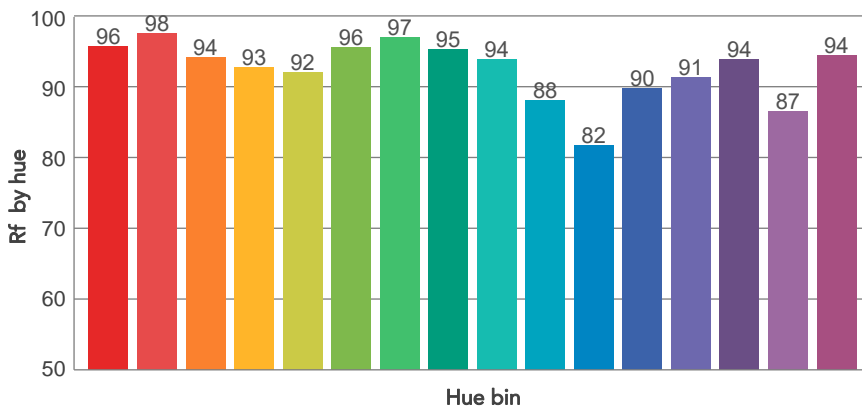
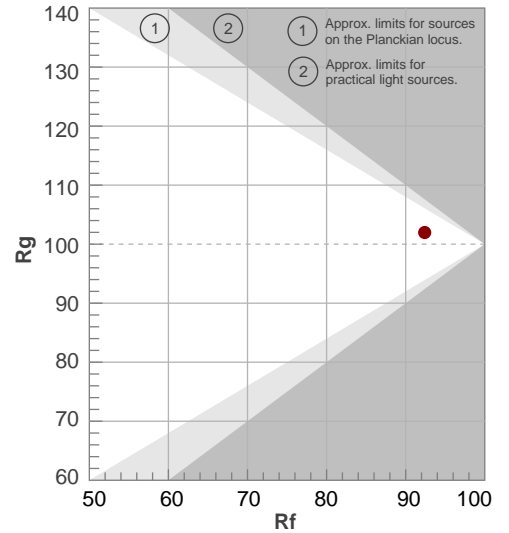
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6569 K	93,6	99,1	92,4	102,0	93,5	98	0,312	0,328	0,0001

TM30 DETAILS

Rf 92,4
Fidelity index Rf

Rg 102,0
Gammut index

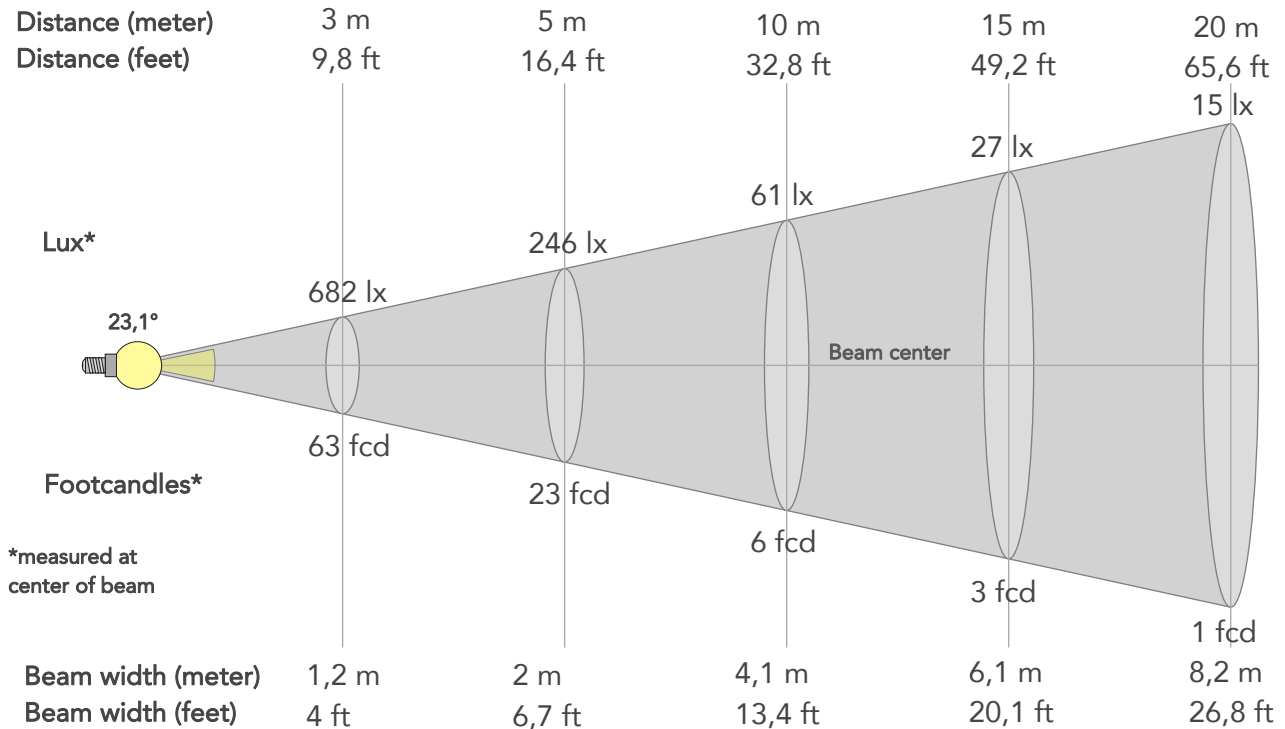
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-2%
2	98	-1%	0%
3	94	-1%	3%
4	93	0%	4%
5	92	0%	2%
6	96	2%	1%
7	97	1%	-1%
8	95	-2%	-1%
9	94	-4%	4%
10	88	-3%	8%
11	82	1%	11%
12	90	2%	7%
13	91	5%	5%
14	94	3%	0%
15	87	12%	-6%
16	94	2%	-3%



BEAM DETAILS



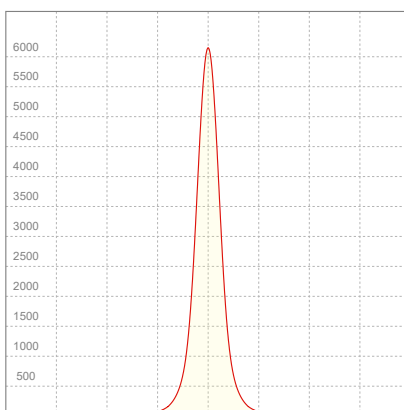
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,1°	46,8°	72,5°	97,3%	93,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6142lx	1535lx	682lx	384lx	246lx	109lx	61lx	27lx	15lx	10lx	7lx	4lx	2lx
Footcand.	571fcd	143fcd	63fcd	36fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3,1m	4,1m	6,1m	8,2m	10,2m	12,3m	16,4m	20,5m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,7ft	10,1ft	13,4ft	20,1ft	26,8ft	33,6ft	40,3ft	53,7ft	67,1ft

LINEAR DISTRIBUTION DIAGRAM

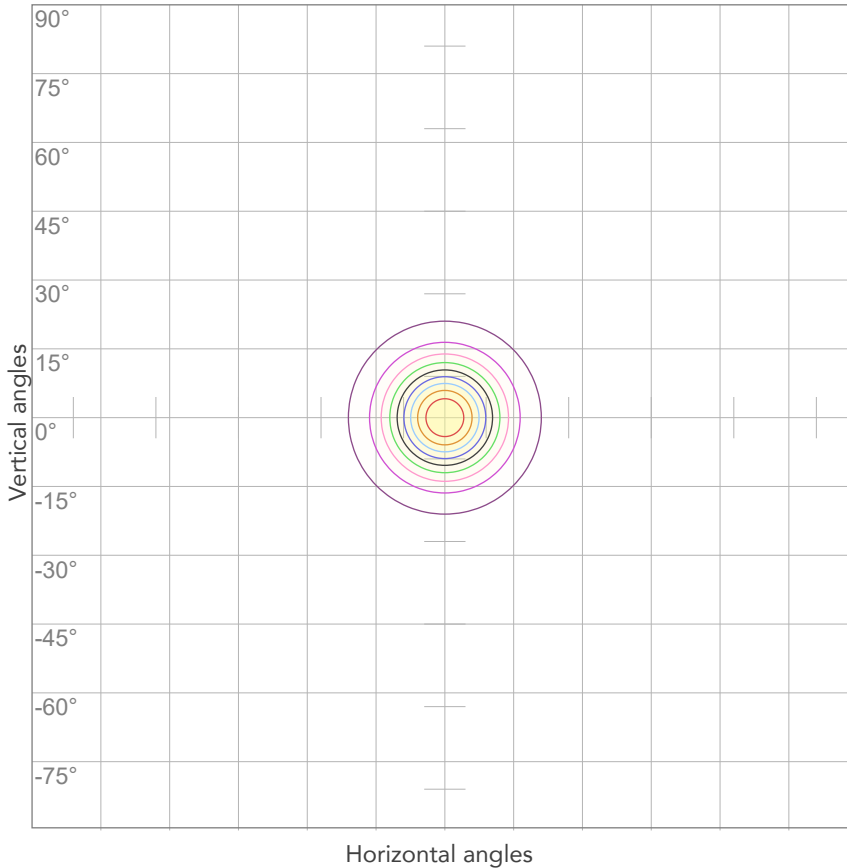


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,126A	26,6W	0,93	56lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



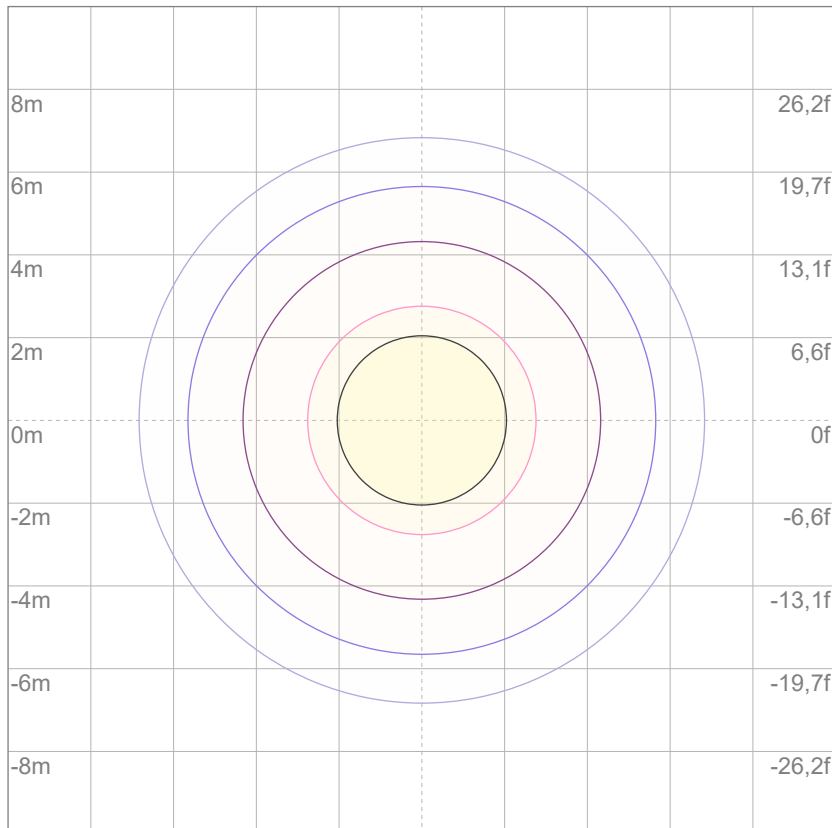
10%	614 cd
20%	1228 cd
30%	1843 cd
40%	2457 cd
50%	3071 cd
60%	3685 cd
70%	4299 cd
80%	4913 cd

Conditions:

Number of c-planes: 2

Candela at center: 6142 cd

ISO LUX DIAGRAM



3%	1,84 lx
5%	3,07 lx
10%	6,14 lx
30%	18,4 lx
50%	30,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 61,4 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.



Total lumen output:

1464 lm

Peak candela output:

1807 cd

Light quality:

CRI: 93,5

Color temperature:

6594 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

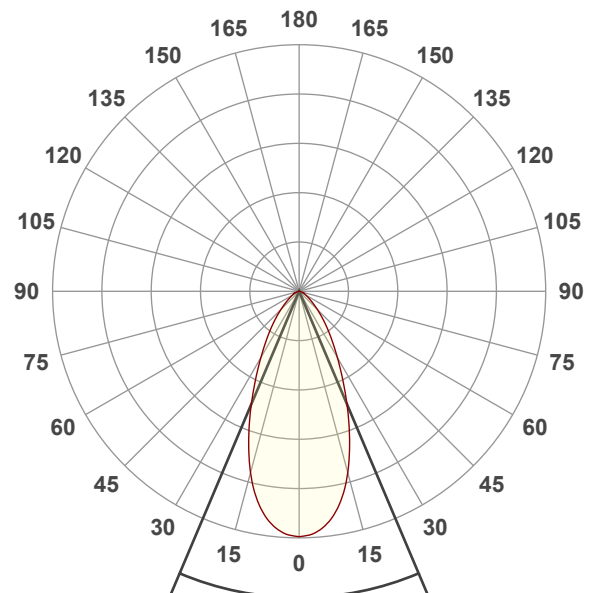
6500K

Operator:

Salvatore Giglio

Date and time:

19/02/2024 17:34:57

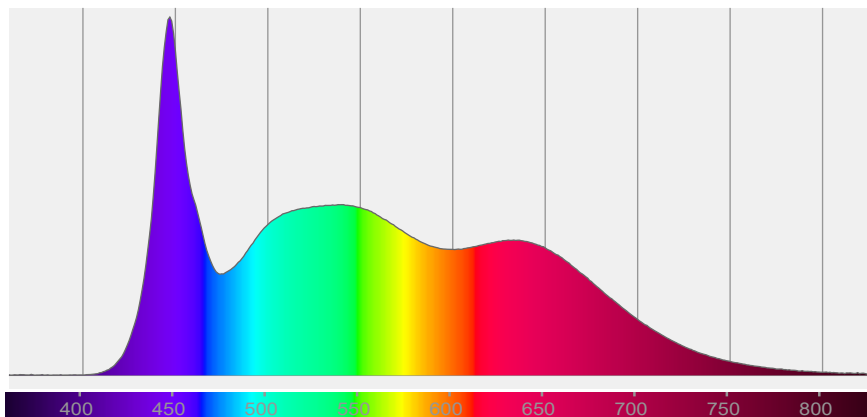


Beam angle 50%: 45,9°

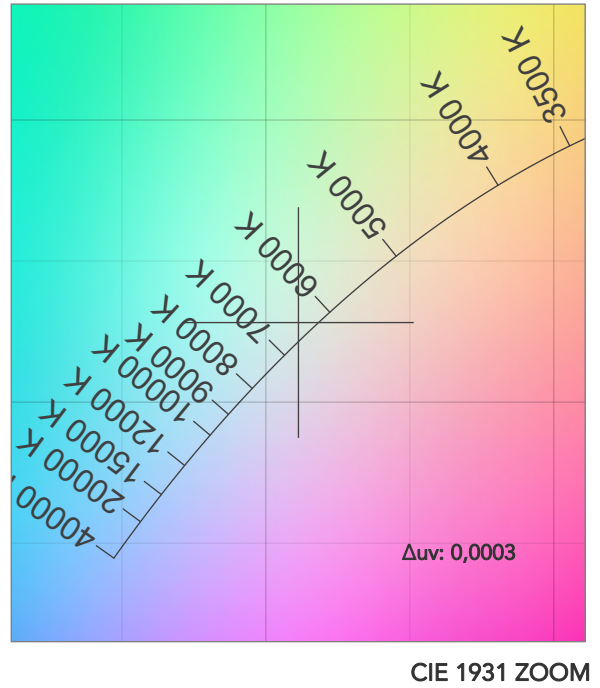
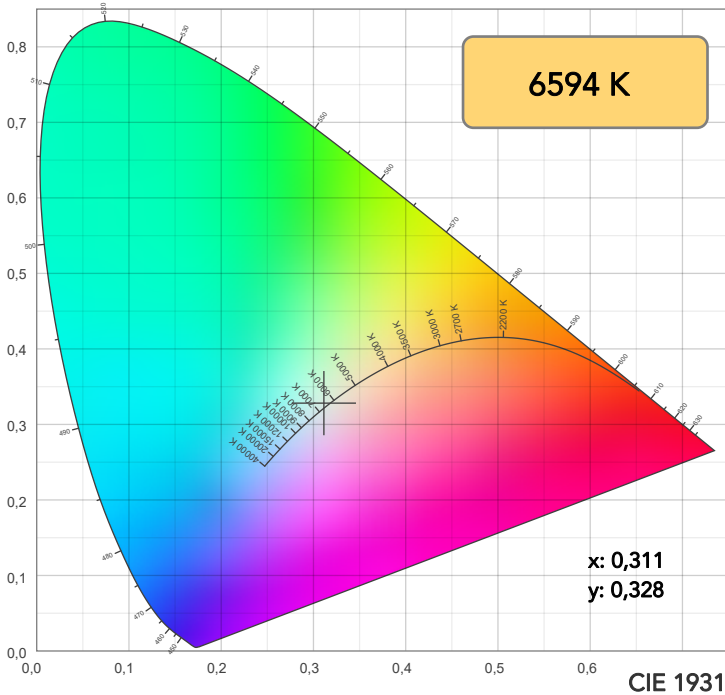
Field angle 10%: 91,2°

Cut off angle 2.5%: 128,3°

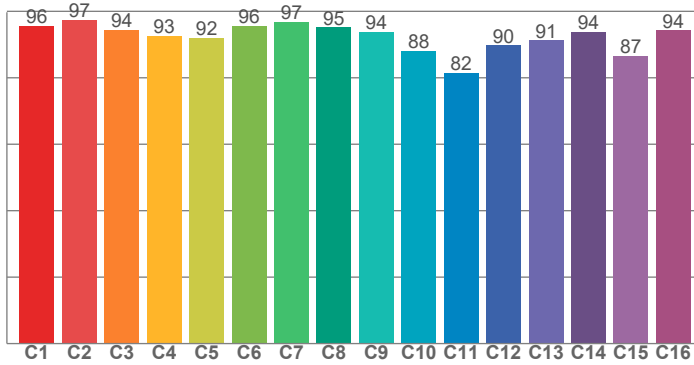
Spectra



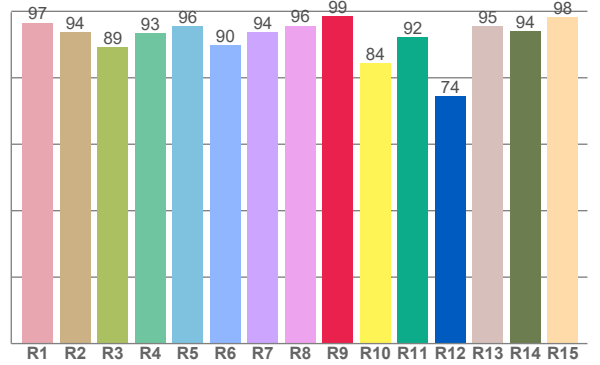
COLOR DETAILS



TM30: 92,3



CRI: 93,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,6	93,7	89,2	93,5	95,5	89,8	93,7	95,7	98,6	84,4	92,3	74,5	95,5	94,1	98,2

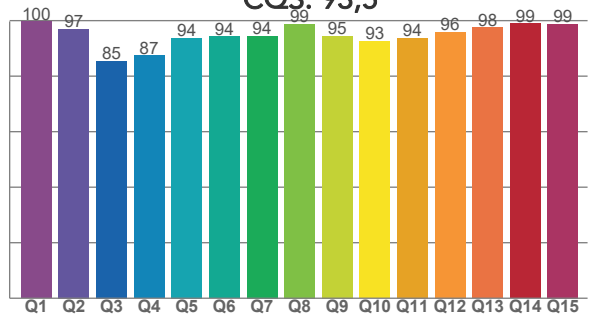
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,7	97,4	94,5	92,7	92,0	95,6	96,8	95,2	93,8	88,0	81,5	89,7	91,3	93,8	86,5	94,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,7	96,9	85,5	87,4	93,8	94,2	94,5	98,7	94,5	92,6	93,7	95,9	97,6	98,9	98,8

CQS: 93,5



COLOR PARAMETERS

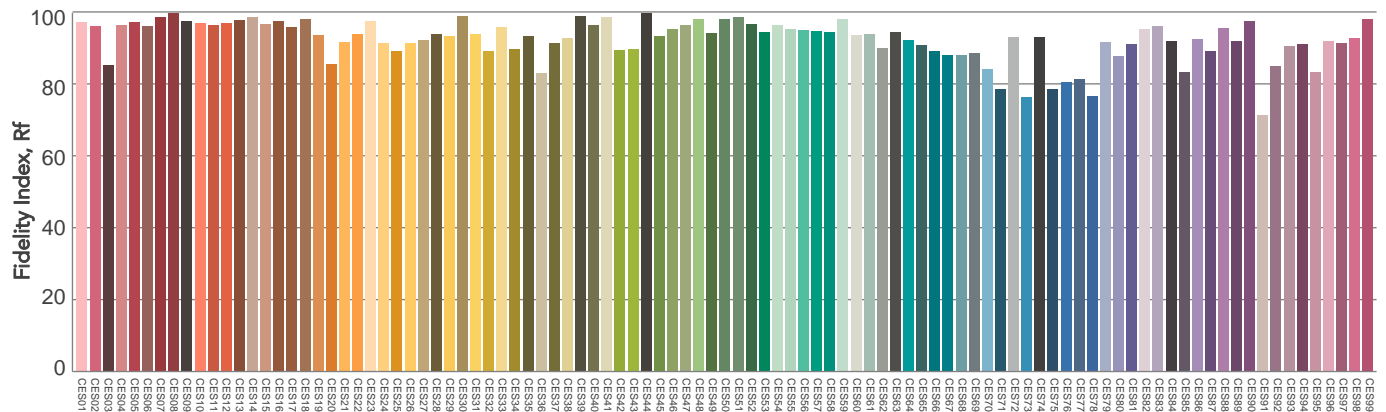
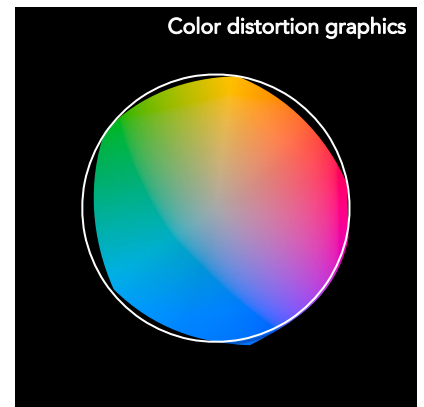
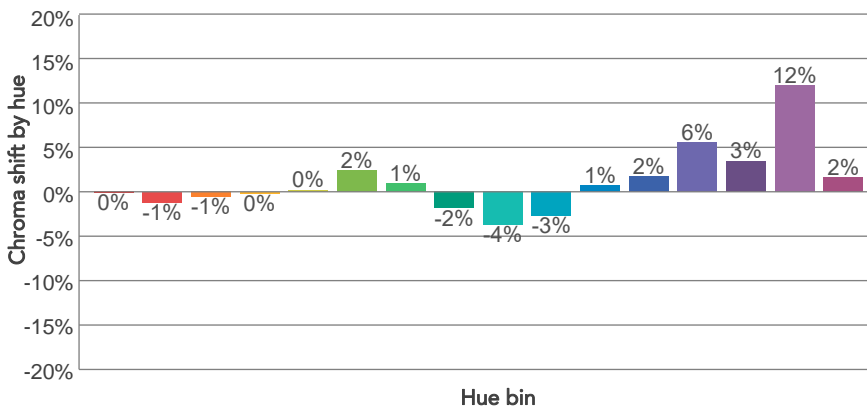
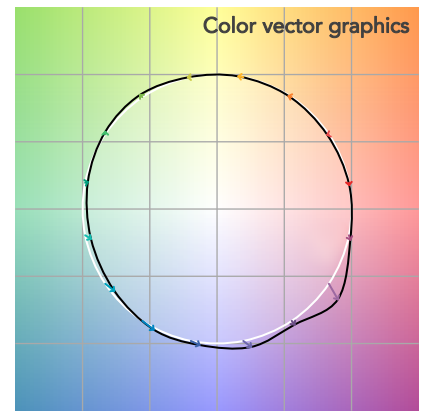
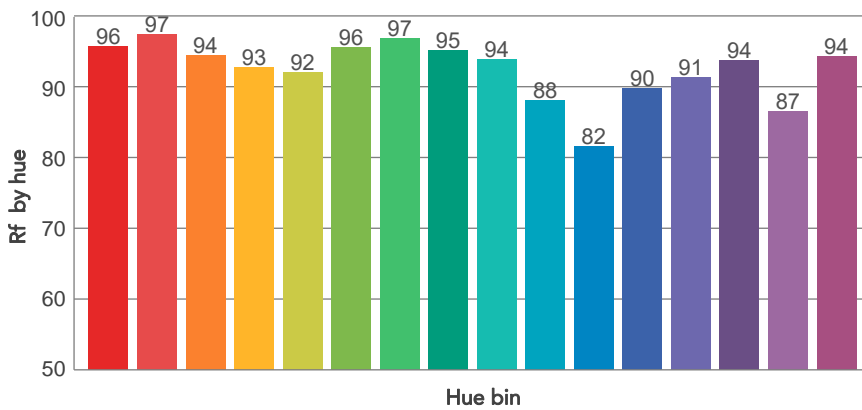
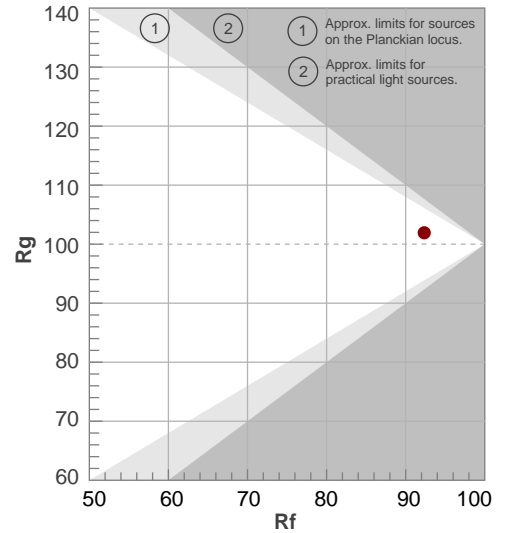
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6594 K	93,5	98,6	92,3	101,9	93,5	98	0,311	0,328	0,0003

TM30 DETAILS

Rf 92,3
Fidelity index Rf

Rg 101,9
Gammut index

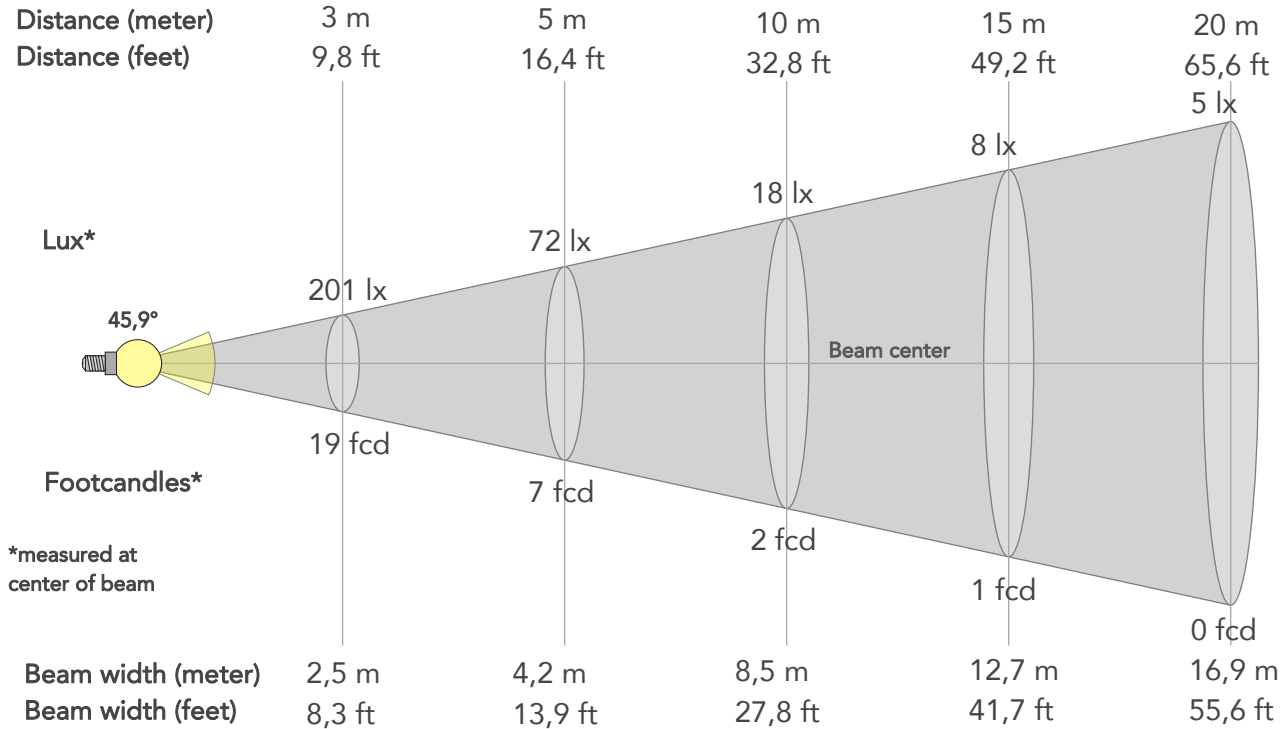
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-2%
2	97	-1%	0%
3	94	-1%	2%
4	93	0%	4%
5	92	0%	2%
6	96	2%	1%
7	97	1%	-2%
8	95	-2%	-1%
9	94	-4%	3%
10	88	-3%	8%
11	82	1%	11%
12	90	2%	7%
13	91	6%	5%
14	94	3%	0%
15	87	12%	-6%
16	94	2%	-3%



BEAM DETAILS



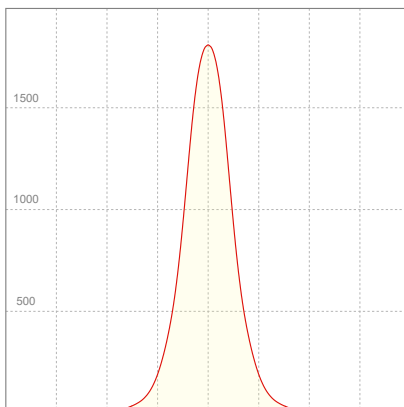
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,9°	91,2°	128,3°	94,9%	85,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1807lx	452lx	201lx	113lx	72lx	32lx	18lx	8lx	5lx	3lx	2lx	1lx	1lx
Footcand.	168fcd	42fcd	19fcd	10fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,4m	4,2m	6,4m	8,5m	12,7m	16,9m	21,2m	25,4m	33,9m	42,4m
Beam wid.	2,8ft	5,6ft	8,3ft	11,1ft	13,9ft	20,8ft	27,8ft	41,7ft	55,6ft	69,5ft	83,4ft	111,2ft	139ft

LINEAR DISTRIBUTION DIAGRAM

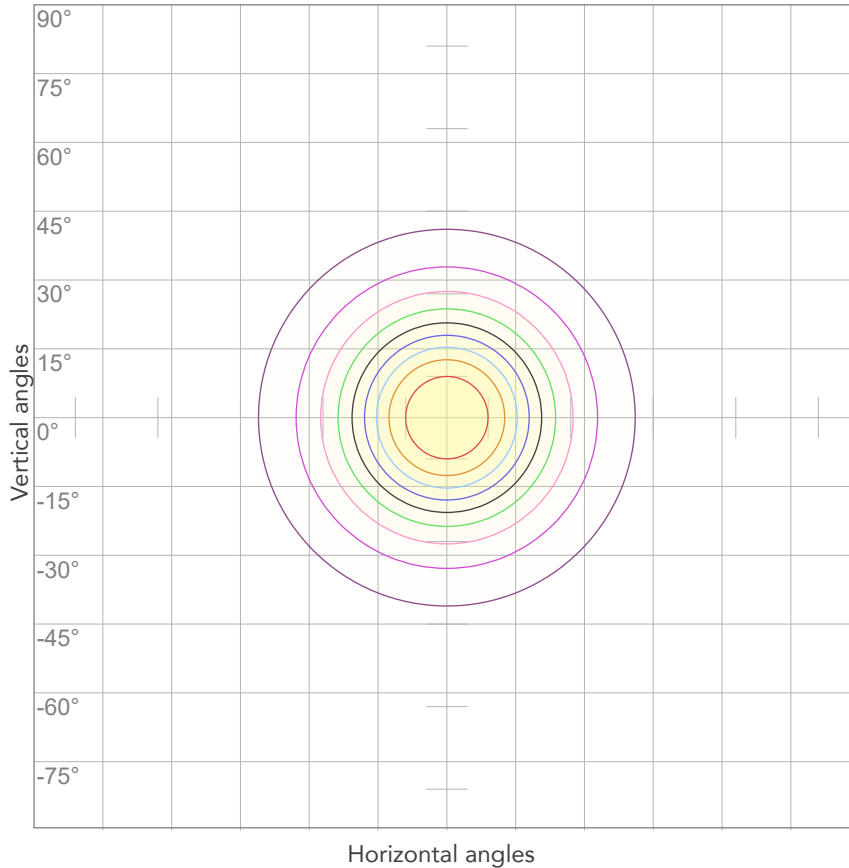


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,126A	26,7W	0,93	55lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



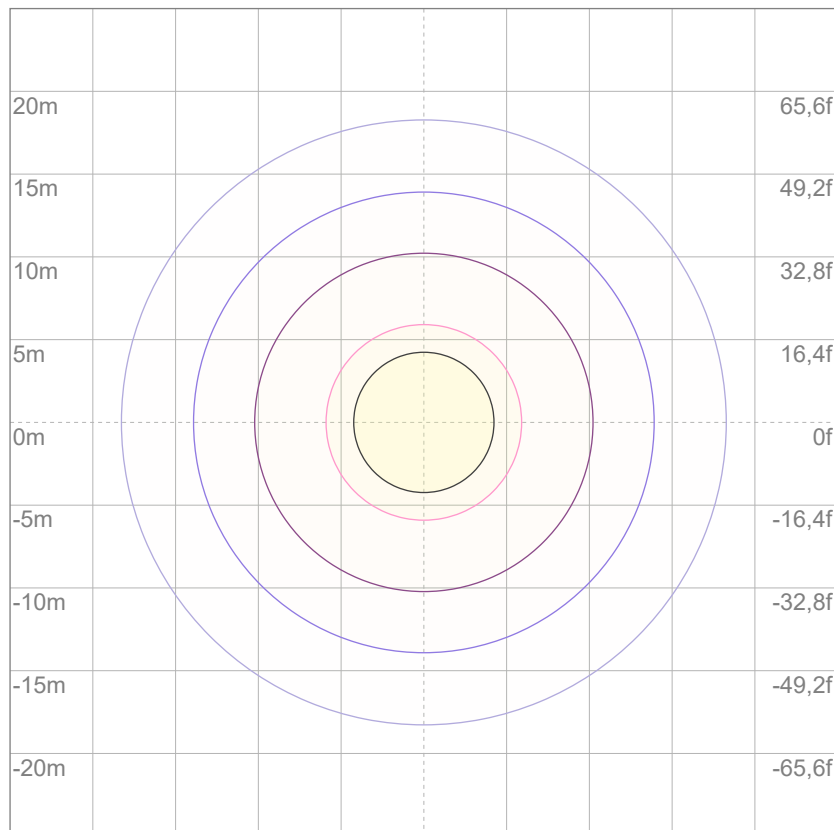
10%	181 cd
20%	361 cd
30%	542 cd
40%	723 cd
50%	903 cd
60%	1084 cd
70%	1265 cd
80%	1446 cd

Conditions:

Number of c-planes: 2

Candela at center: 1807 cd

ISO LUX DIAGRAM



3%	0,542 lx
5%	0,903 lx
10%	1,81 lx
30%	5,42 lx
50%	9,03 lx

Conditions:

Number of c-planes: 2

Lux at center: 18,1 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.



Total lumen output:

1479 lm

Peak candela output:

1348 cd

Light quality:

CRI: 92,5

Color temperature:

6564 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

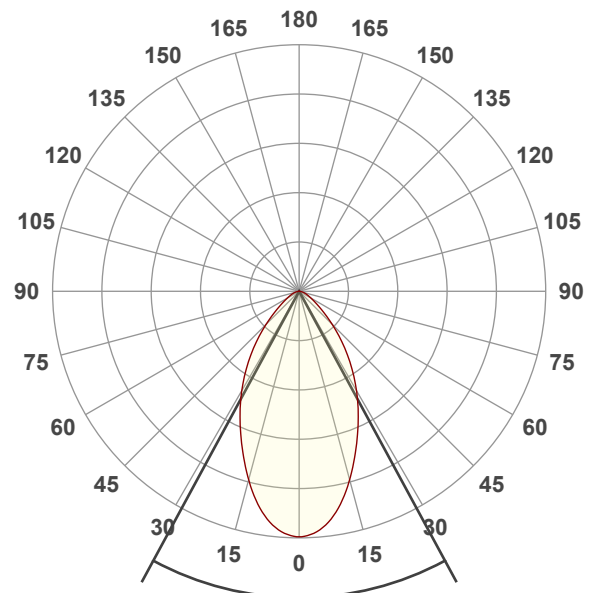
6500K

Operator:

Salvatore Giglio

Date and time:

20/02/2024 10:16:55

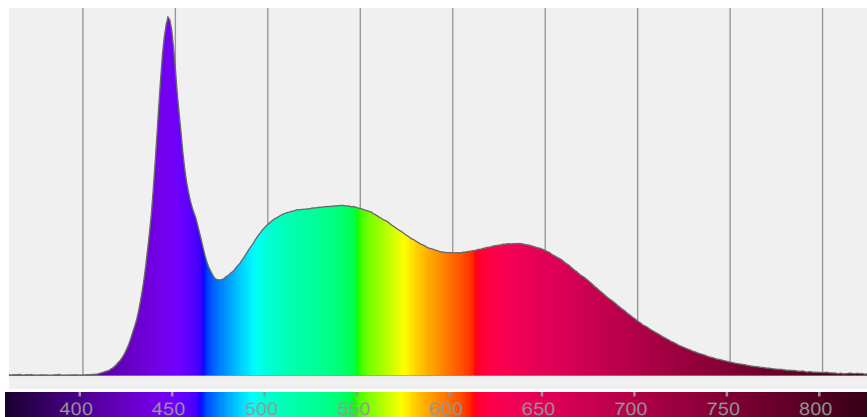


Beam angle 50%: 56,9°

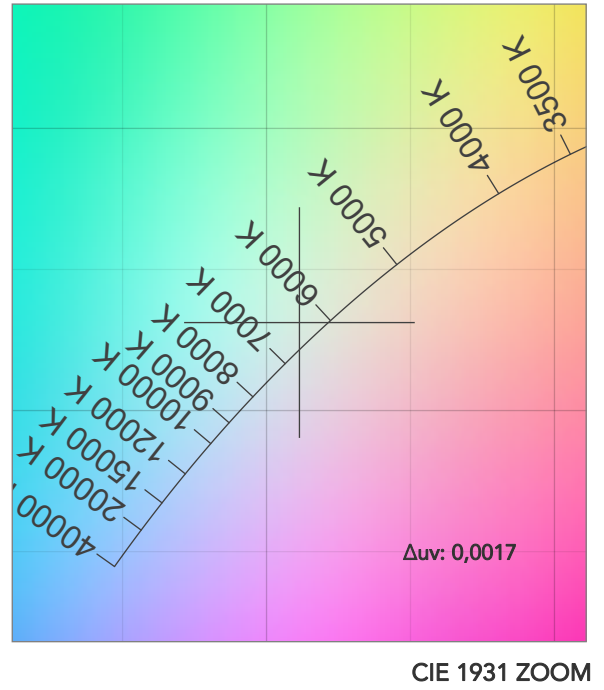
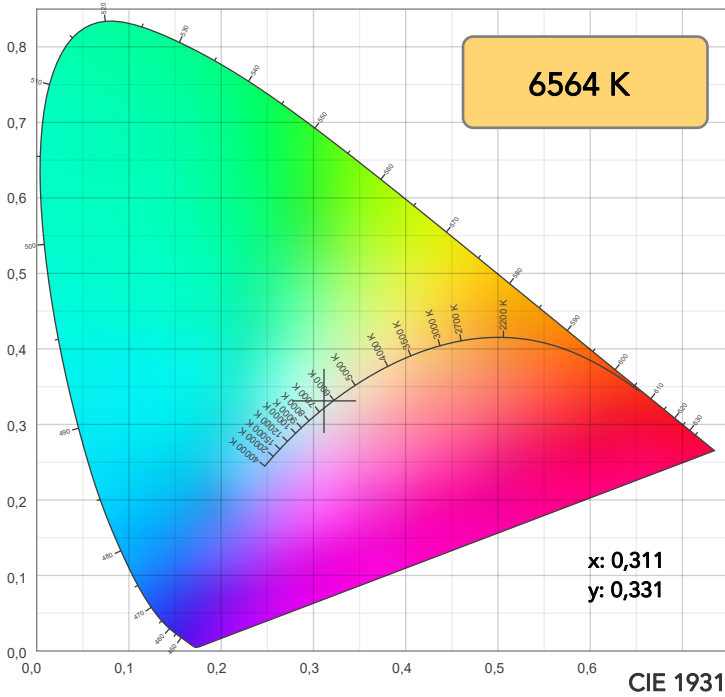
Field angle 10%: 105,4°

Cut off angle 2.5%: 142,8°

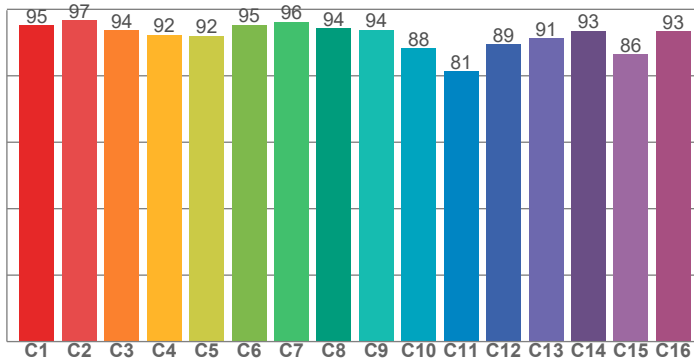
Spectra



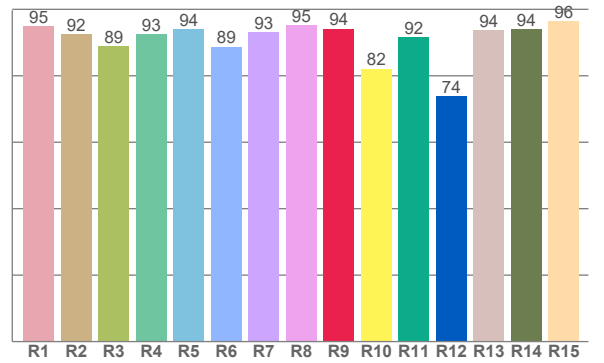
COLOR DETAILS



TM30: 92,1



CRI: 92,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,9	92,5	88,9	92,6	94,1	88,8	93,1	95,3	94,2	82,2	91,6	73,9	93,7	94,0	96,3

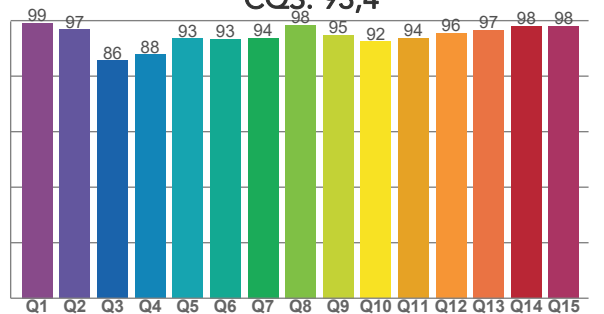
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,1	96,7	93,7	92,4	92,0	95,3	96,3	94,3	93,8	88,3	81,3	89,4	91,3	93,5	86,5	93,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,2	96,8	85,7	87,7	93,5	93,4	93,8	98,3	94,9	92,4	93,6	95,5	96,7	98,0	97,9

CQS: 93,4



COLOR PARAMETERS

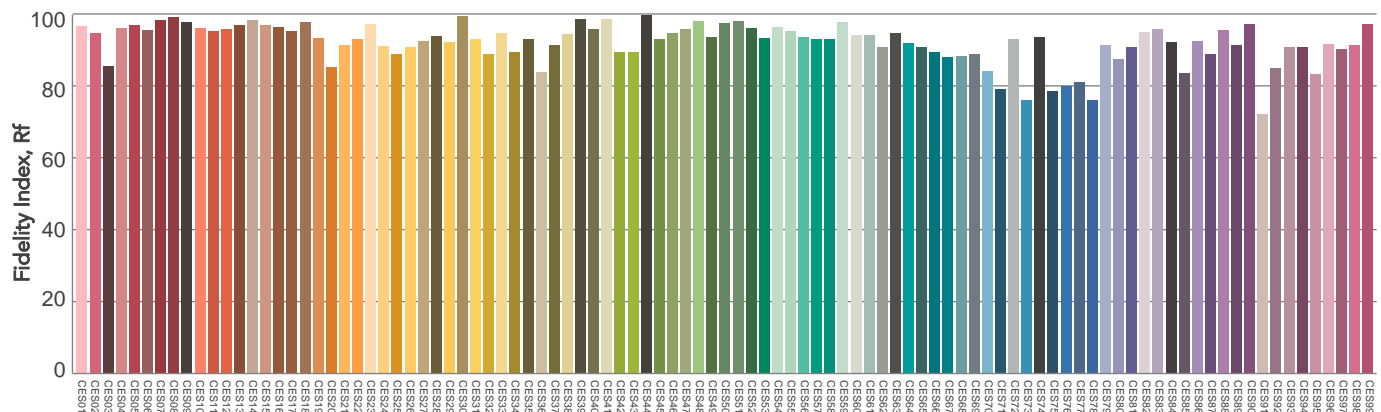
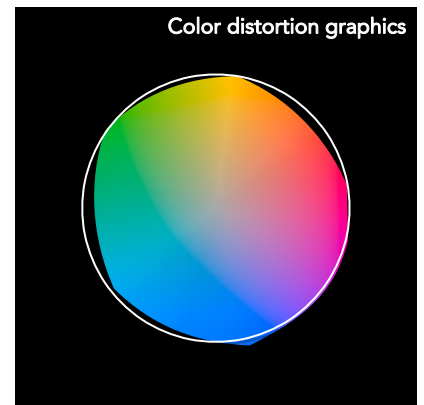
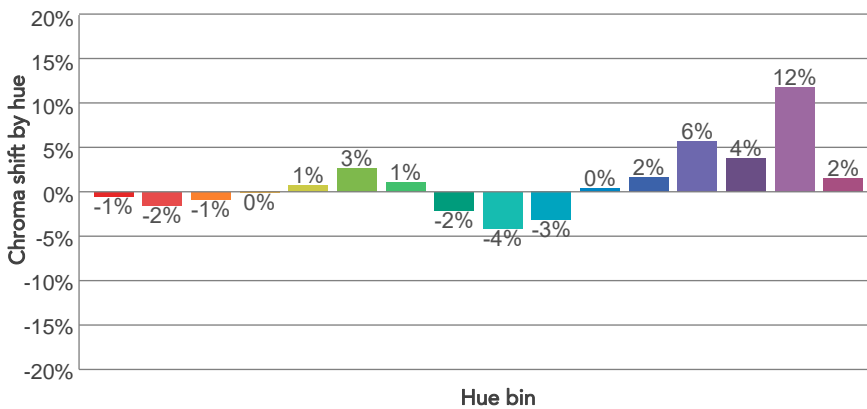
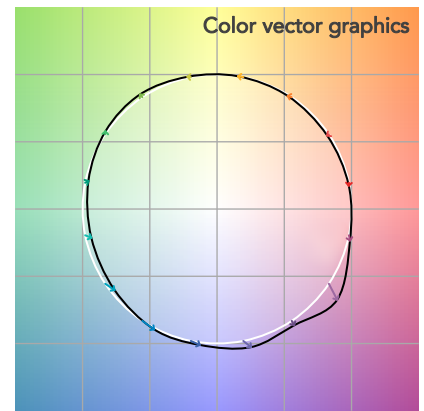
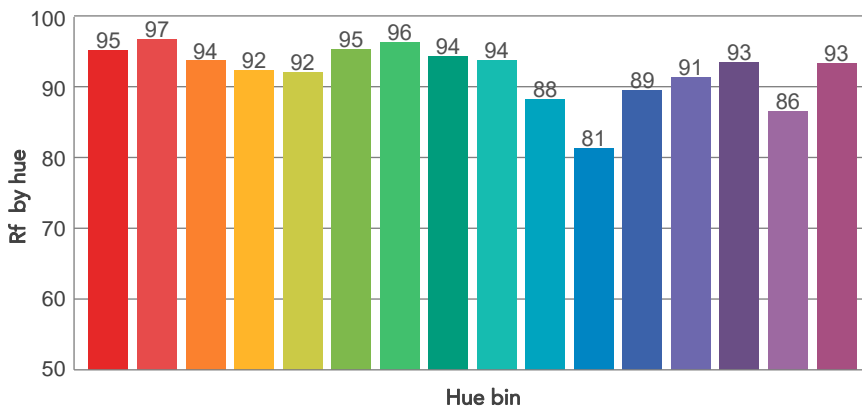
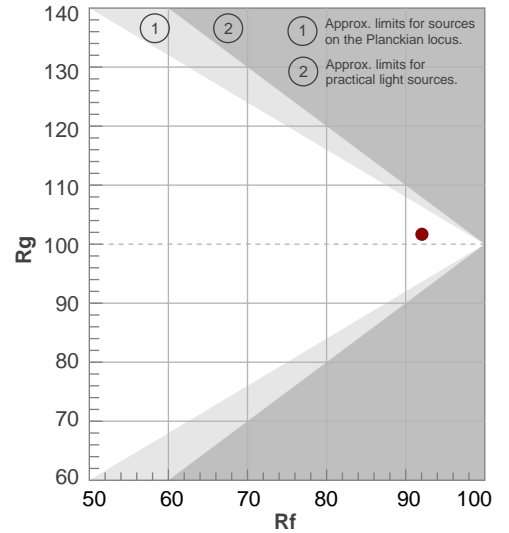
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6564 K	92,5	94,2	92,1	101,7	93,4	98	0,311	0,331	0,0017

TM30 DETAILS

Rf 92,1
Fidelity index Rf

Rg 101,7
Gammut index

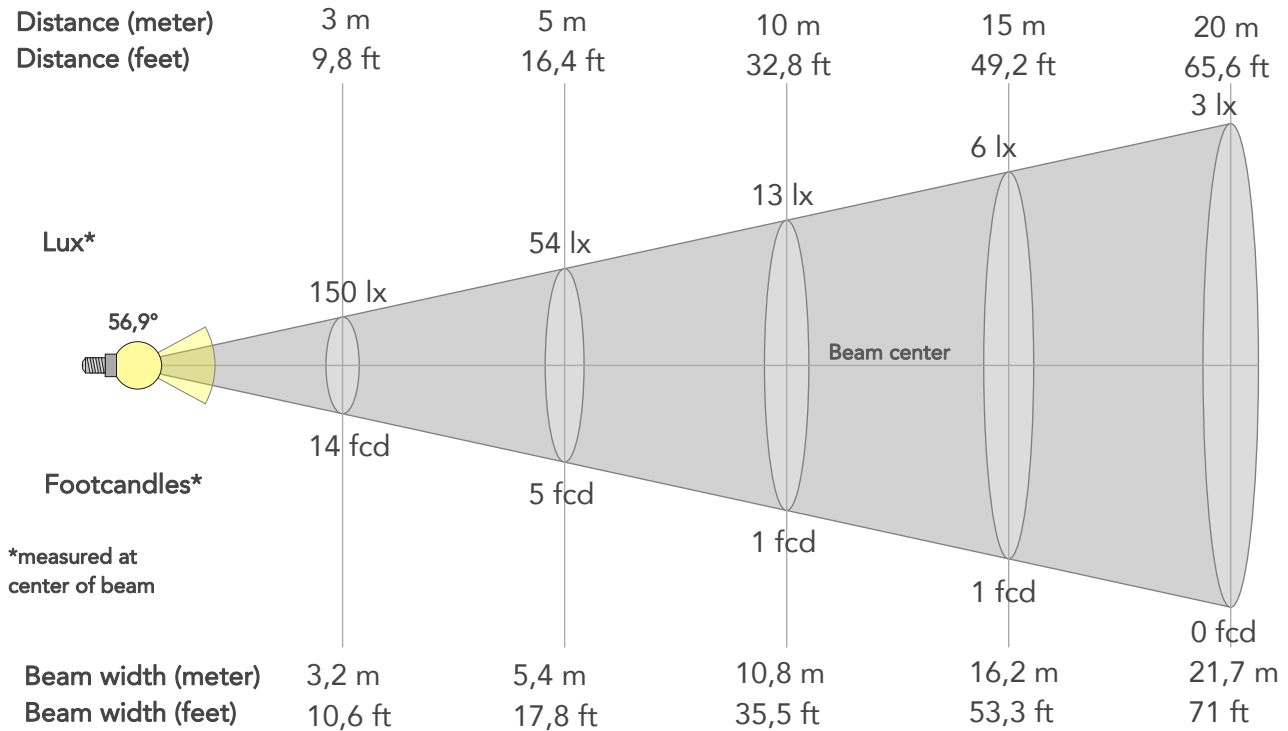
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-2%
2	97	-2%	0%
3	94	-1%	3%
4	92	0%	4%
5	92	1%	2%
6	95	3%	0%
7	96	1%	-2%
8	94	-2%	-2%
9	94	-4%	3%
10	88	-3%	8%
11	81	0%	11%
12	89	2%	7%
13	91	6%	5%
14	93	4%	0%
15	86	12%	-6%
16	93	2%	-4%



BEAM DETAILS



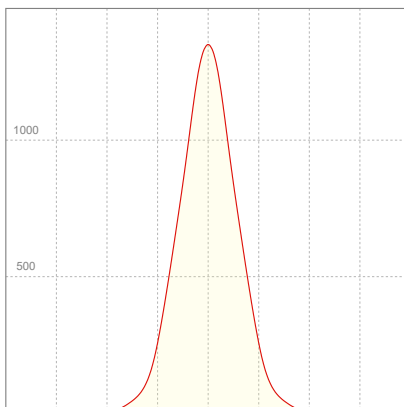
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,9°	105,4°	142,8°	93,7%	81,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1348lx	337lx	150lx	84lx	54lx	24lx	13lx	6lx	3lx	2lx	1lx	1lx	1lx
Footcand.	125fcd	31fcd	14fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,2m	4,3m	5,4m	8,1m	10,8m	16,2m	21,7m	27,1m	32,5m	43,3m	54,1m
Beam wid.	3,6ft	7,1ft	10,6ft	14,2ft	17,8ft	26,6ft	35,5ft	53,3ft	71ft	88,8ft	106,5ft	142,1ft	177,6ft

LINEAR DISTRIBUTION DIAGRAM

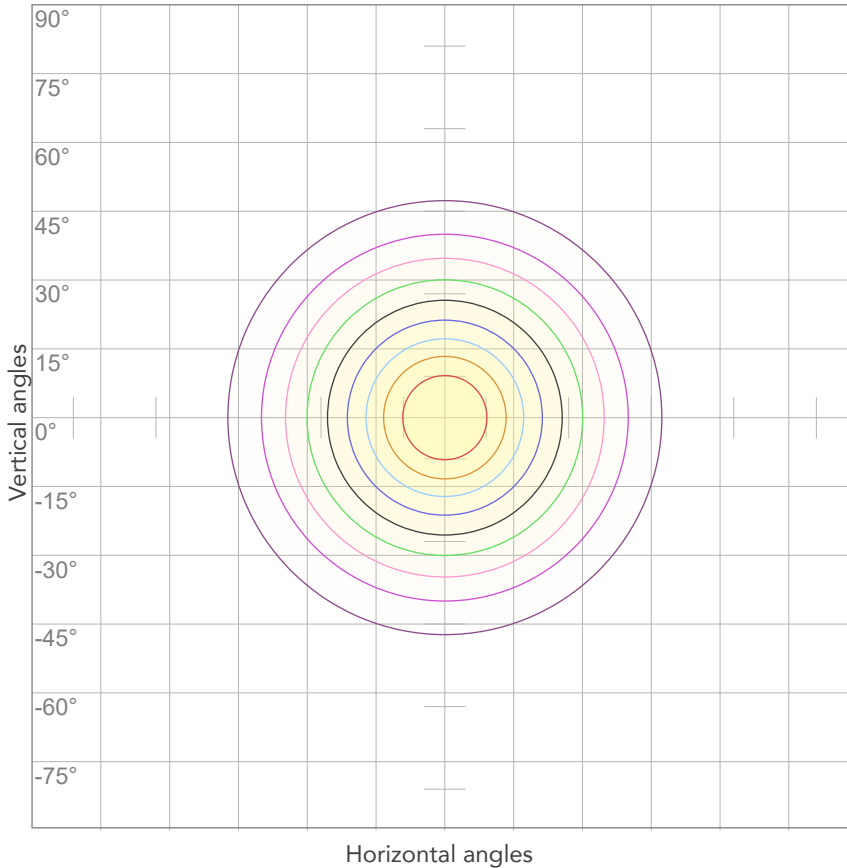


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,128A	27,1W	0,94	54lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



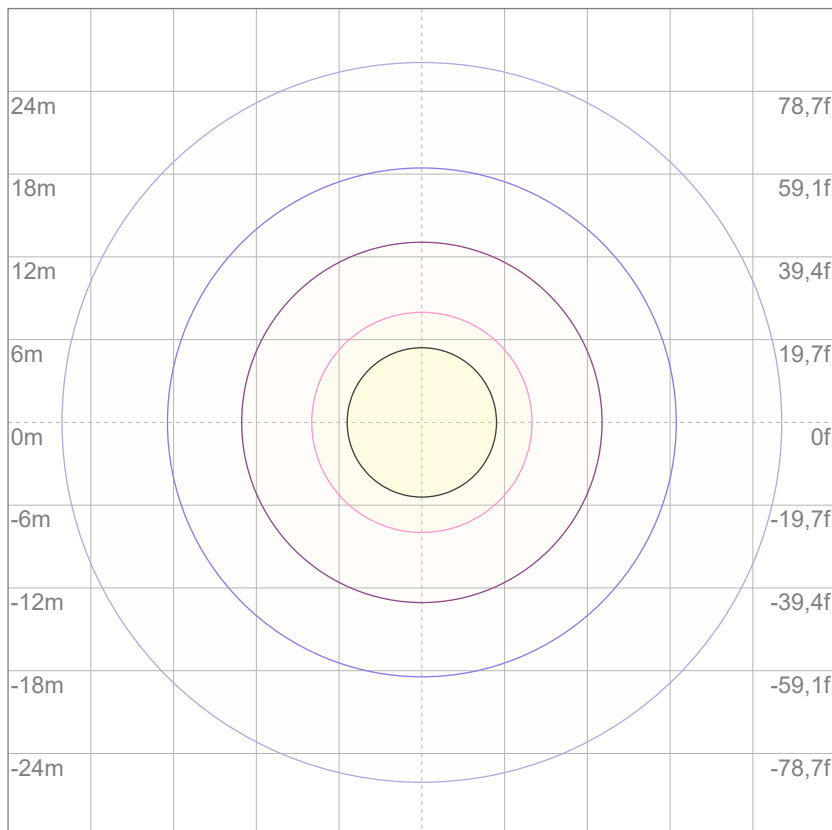
10%	135 cd
20%	270 cd
30%	404 cd
40%	539 cd
50%	674 cd
60%	809 cd
70%	943 cd
80%	1078 cd

Conditions:

Number of c-planes: 2

Candela at center: 1348 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,404 lx
5%	0,674 lx
10%	1,35 lx
30%	4,04 lx
50%	6,74 lx

Conditions:

Number of c-planes: 2

Lux at center: 13,5 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.



Total lumen output:

2117 lm

Peak candela output:

4633 cd

Light quality:

CRI: 92,7

Color temperature:

6491 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

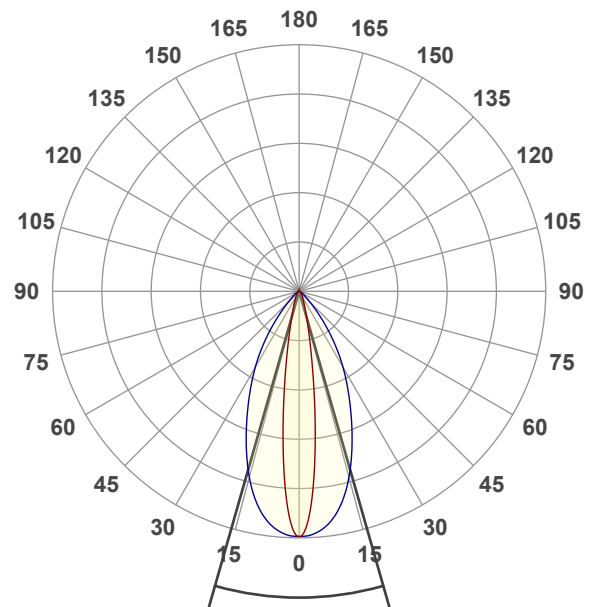
6500K

Operator:

Salvatore Giglio

Date and time:

20/02/2024 10:21:59

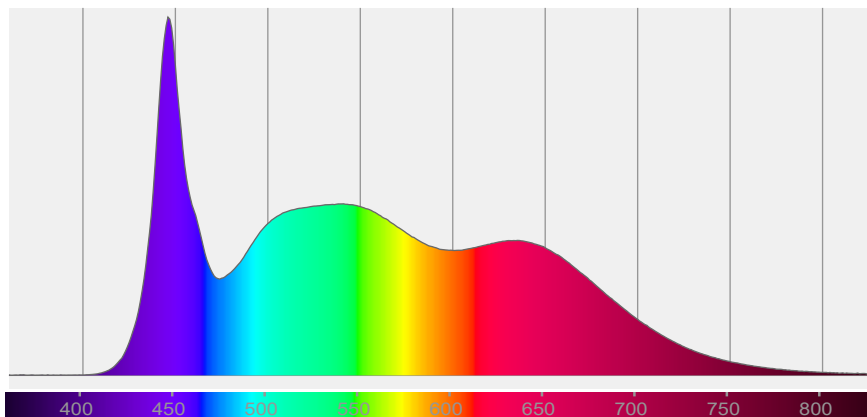


Beam angle 50%: 31,9°

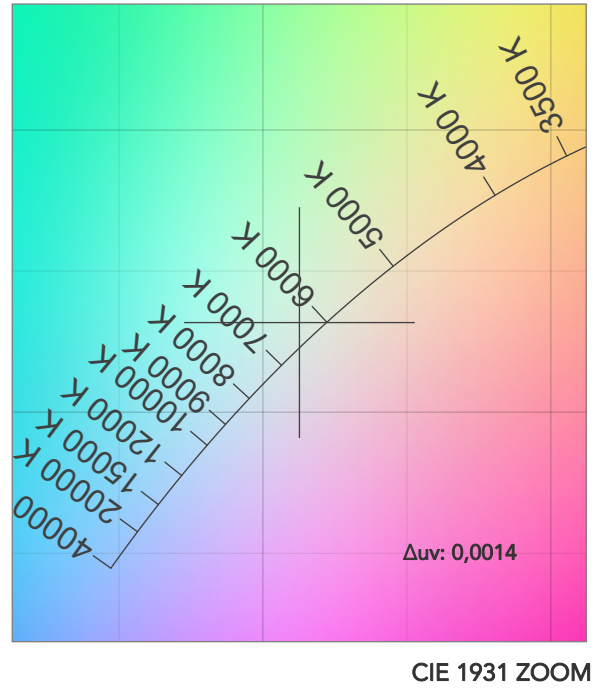
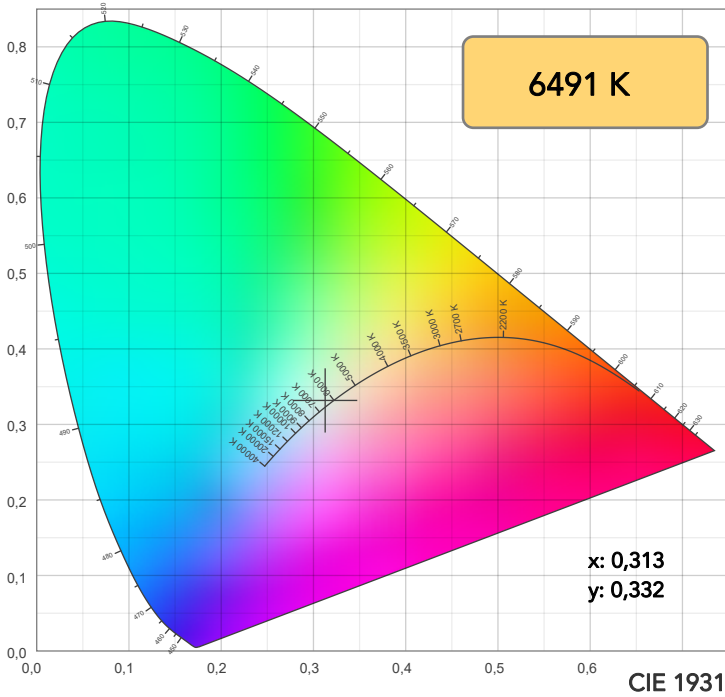
Field angle 10%: 58,8°

Cut off angle 2.5%: 83,9°

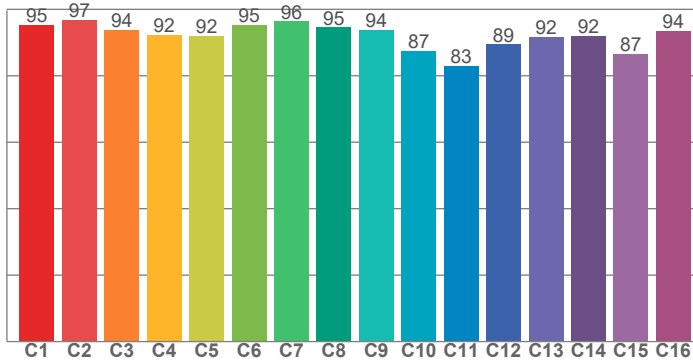
Spectra



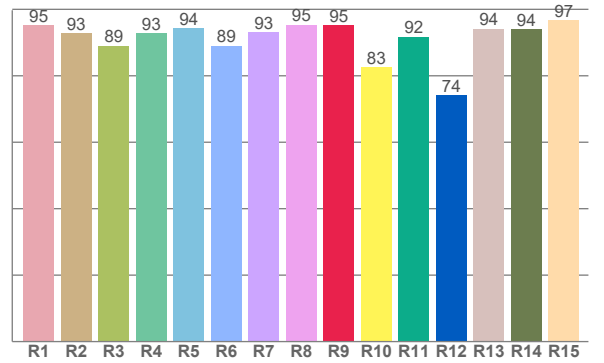
COLOR DETAILS



TM30: 92,1



CRI: 92,7 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,3	92,8	89,0	92,8	94,4	89,0	93,1	95,4	95,2	82,7	91,8	74,2	94,1	94,0	96,8

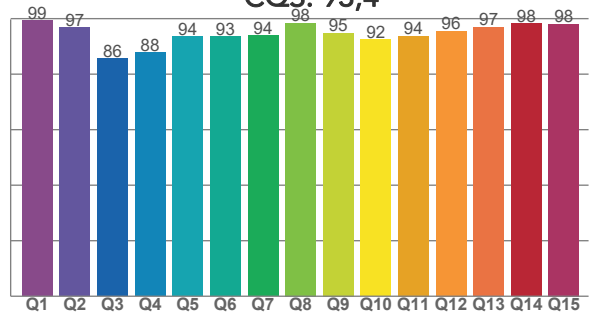
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,3	96,8	93,7	92,4	92,0	95,3	96,3	94,5	93,9	87,5	83,0	89,5	91,7	92,0	86,6	93,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,3	96,8	85,6	87,8	93,6	93,5	93,9	98,4	94,8	92,4	93,7	95,6	96,9	98,2	98,1

CQS: 93,4



COLOR PARAMETERS

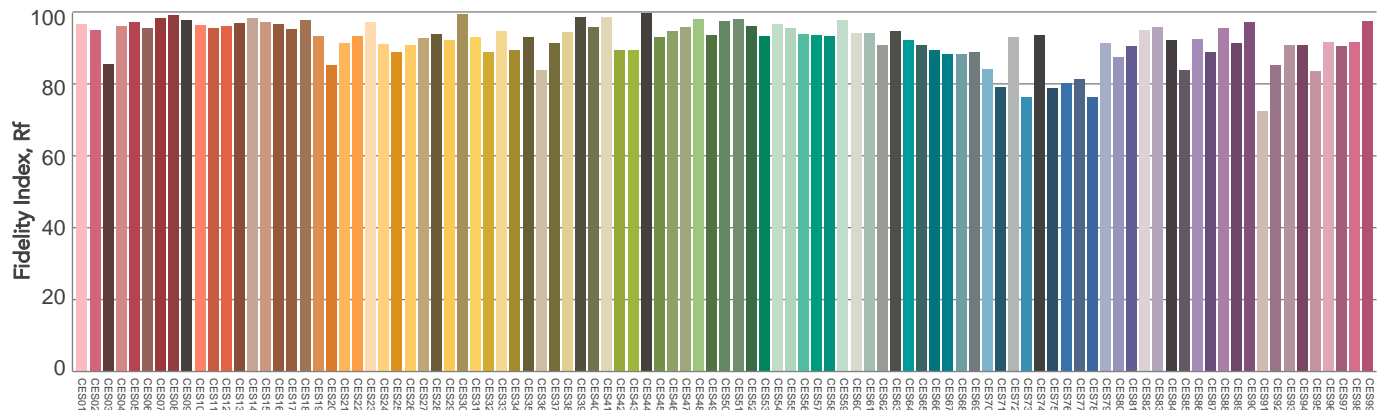
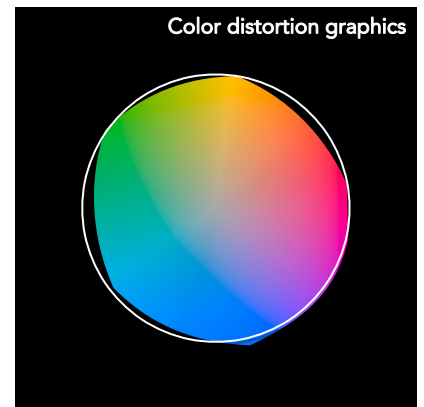
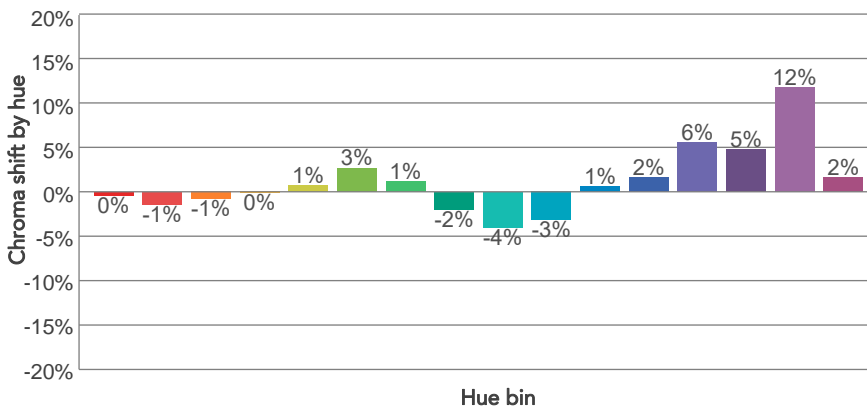
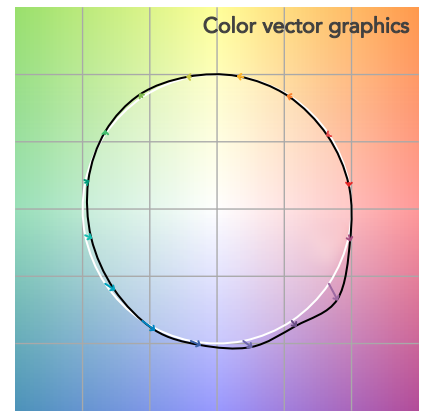
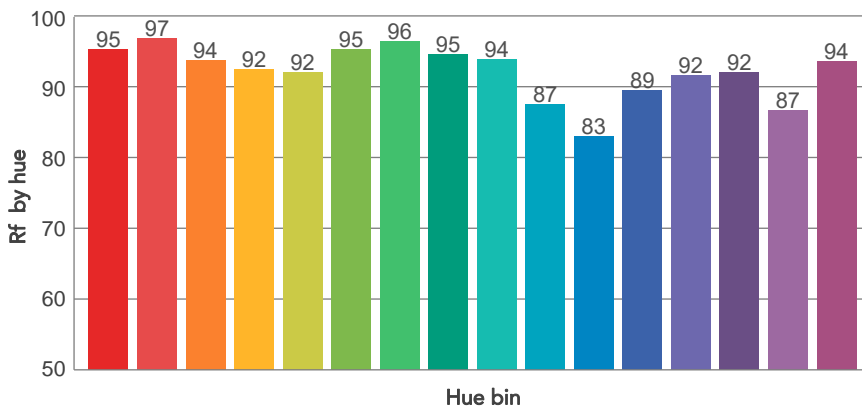
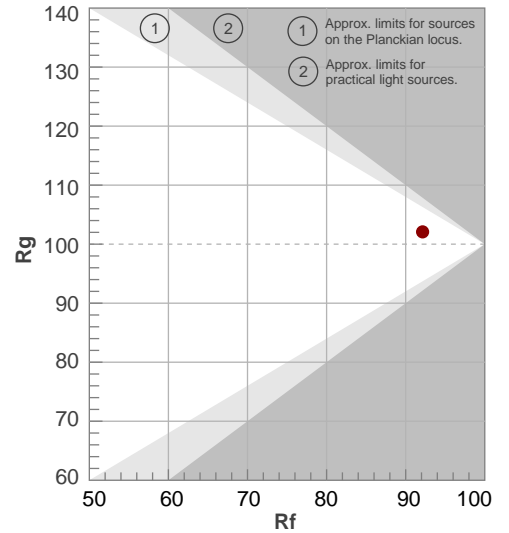
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6491 K	92,7	95,2	92,1	102,1	93,4	98	0,313	0,332	0,0014

TM30 DETAILS

Rf 92,1
Fidelity index Rf

Rg 102,1
Gammut index

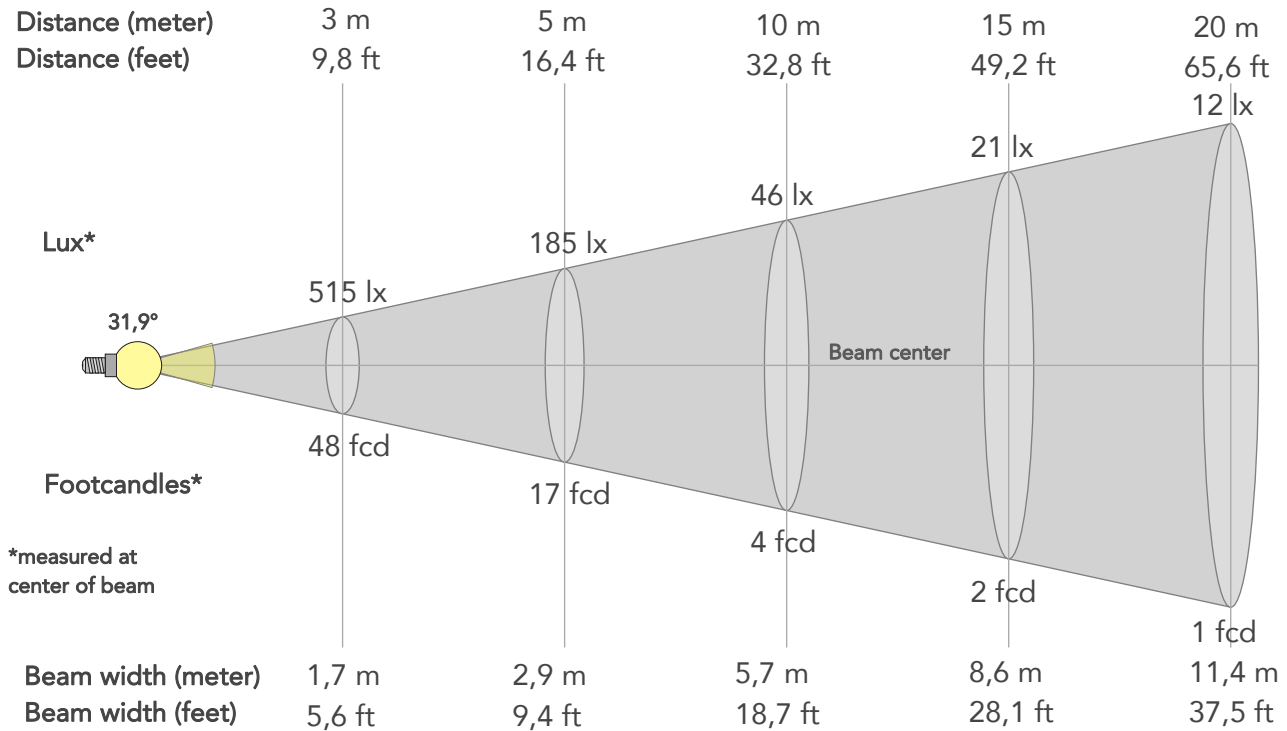
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	0%	-2%
2	97	-1%	0%
3	94	-1%	3%
4	92	0%	4%
5	92	1%	2%
6	95	3%	0%
7	96	1%	-2%
8	95	-2%	-2%
9	94	-4%	3%
10	87	-3%	7%
11	83	1%	11%
12	89	2%	7%
13	92	6%	5%
14	92	5%	0%
15	87	12%	-6%
16	94	2%	-4%



BEAM DETAILS



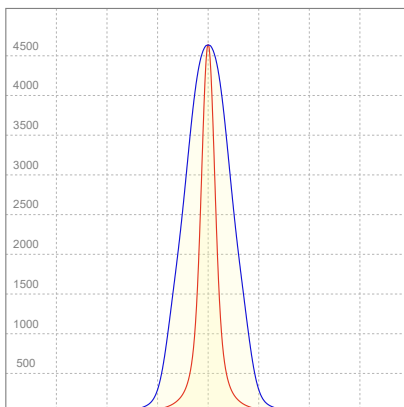
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
31,9°	58,8°	83,9°	97,3%	92,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	4631lx	1158lx	515lx	289lx	185lx	82lx	46lx	21lx	12lx	7lx	5lx	3lx	2lx
Footcand.	430fcd	108fcd	48fcd	27fcd	17fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,1m	1,7m	2,3m	2,9m	4,3m	5,7m	8,6m	11,4m	14,3m	17,1m	22,9m	28,6m
Beam wid.	1,9ft	3,8ft	5,6ft	7,5ft	9,4ft	14,1ft	18,7ft	28,1ft	37,5ft	46,9ft	56,2ft	75ft	93,7ft

LINEAR DISTRIBUTION DIAGRAM

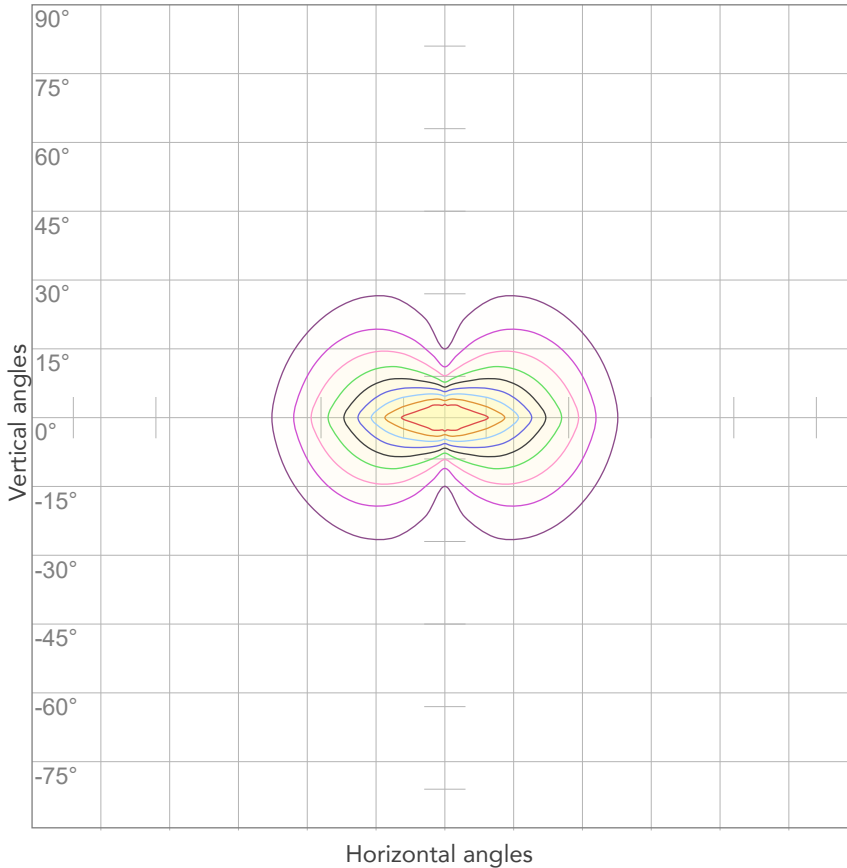


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,128A	27,0W	0,94	78lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



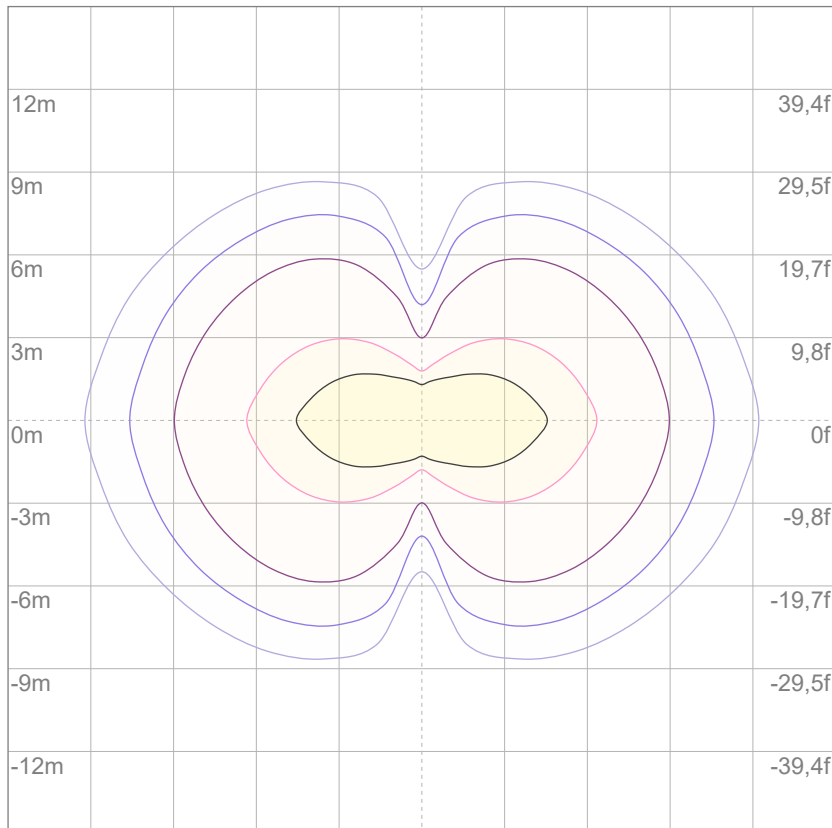
10%	463 cd
20%	926 cd
30%	1389 cd
40%	1852 cd
50%	2316 cd
60%	2779 cd
70%	3242 cd
80%	3705 cd

Conditions:

Number of c-planes: 4

Candela at center: 4631 cd

ISO LUX DIAGRAM



3%	1,39 lx
5%	2,32 lx
10%	4,63 lx
30%	13,9 lx
50%	23,2 lx

Conditions:

Number of c-planes: 4

Lux at center: 46,3 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

1377 lm

Peak candela output:

2273 cd

Light quality:

CRI: 93,5

Color temperature:

6602 K

PRODUCT NAME:

ARCSPOTS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

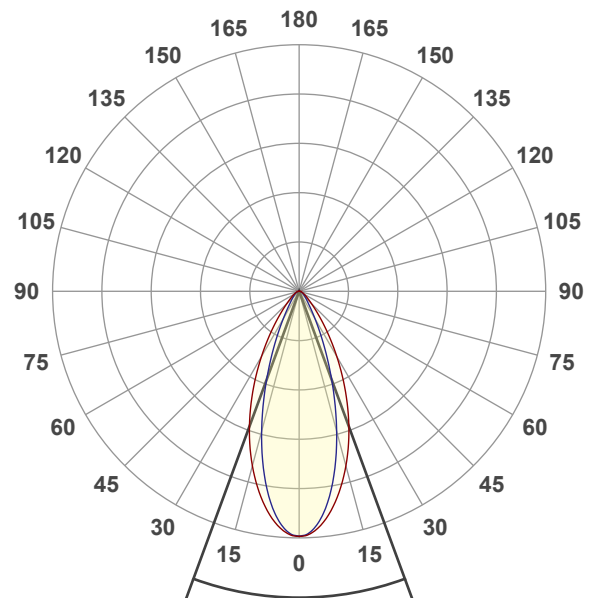
6500K

Operator:

Salvatore Giglio

Date and time:

20/02/2024 12:00:33

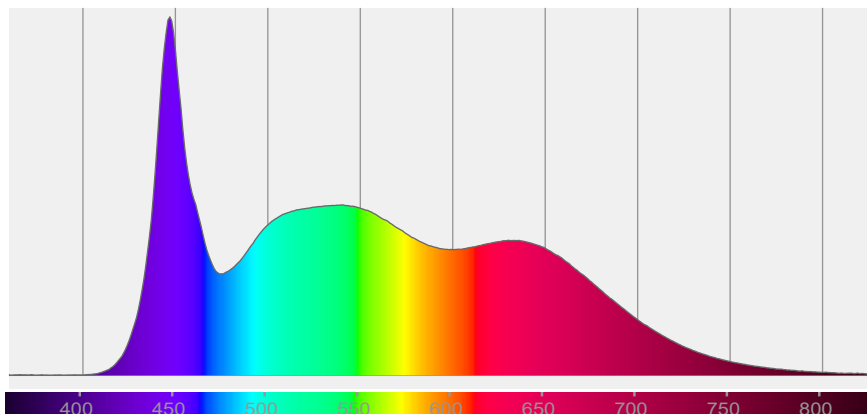


Beam angle 50%: 40,4°

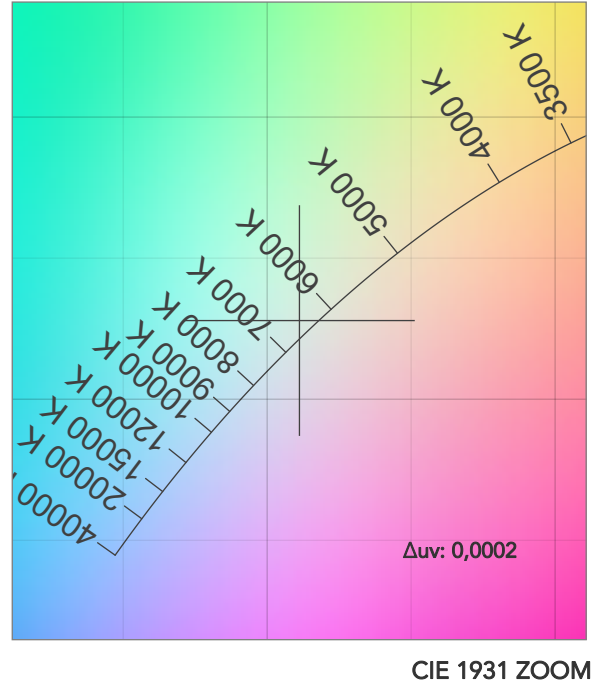
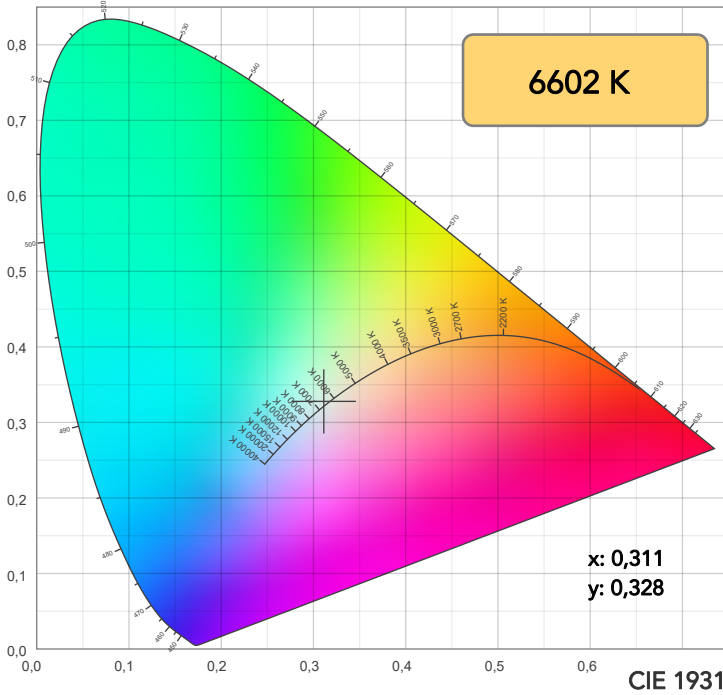
Field angle 10%: 73,9°

Cut off angle 2.5%: 111,6°

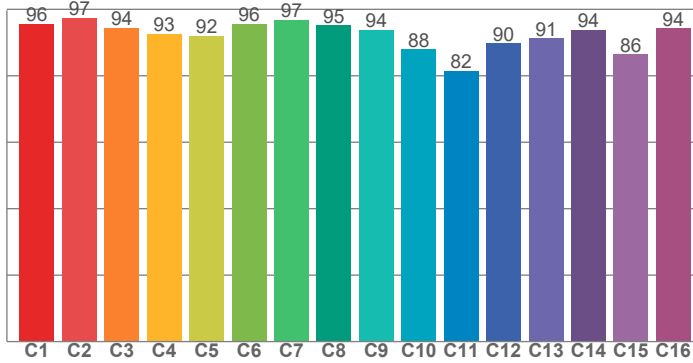
Spectra



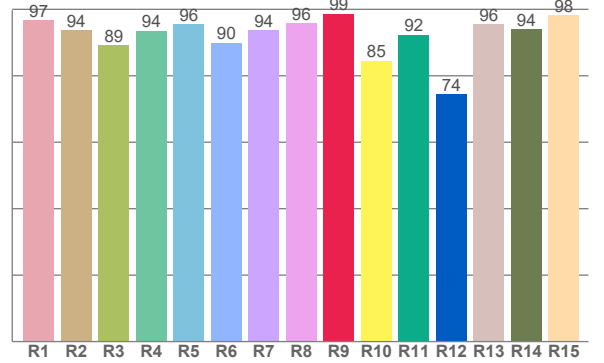
COLOR DETAILS



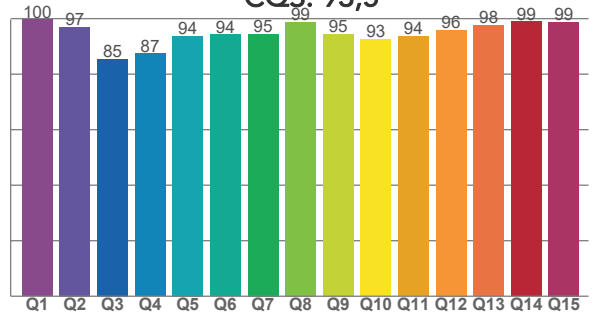
TM30: 92,3



CRI: 93,5 (R1-R8)



CQS: 93,5



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,6	93,8	89,3	93,5	95,6	89,9	93,8	95,7	98,7	84,5	92,3	74,5	95,6	94,1	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
95,7	97,4	94,5	92,7	92,0	95,6	96,9	95,2	93,8	88,0	81,5	89,7	91,3	93,8	86,5	94,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,7	96,9	85,5	87,3	93,8	94,3	94,5	98,7	94,5	92,6	93,6	95,9	97,6	99,0	98,8

COLOR PARAMETERS

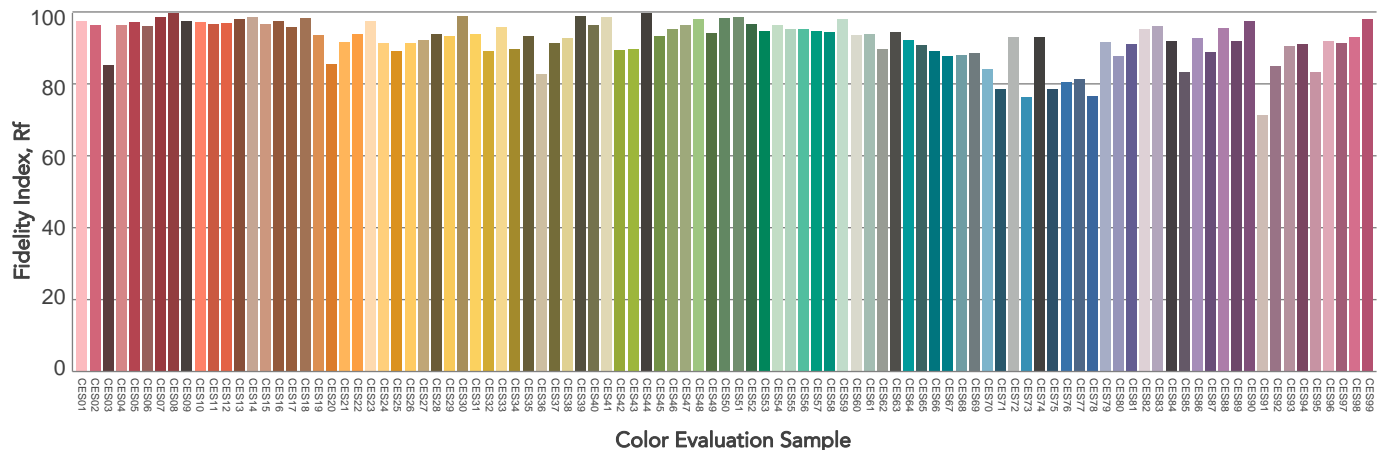
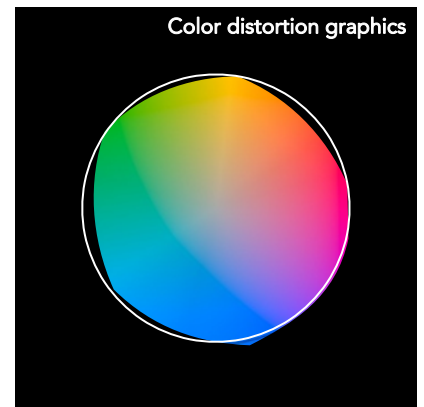
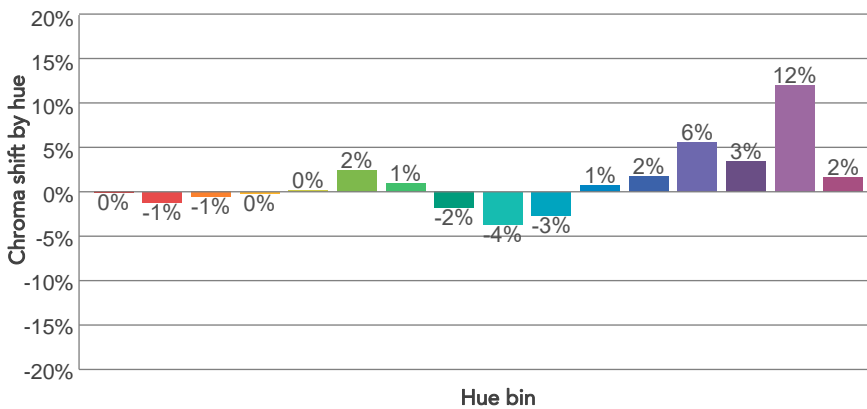
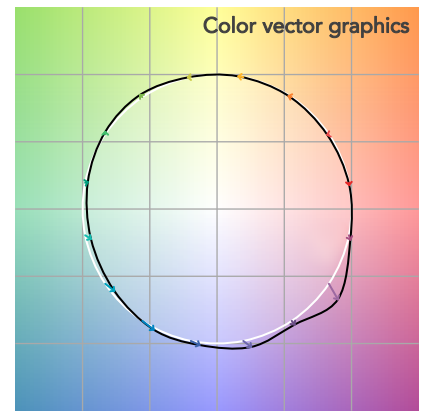
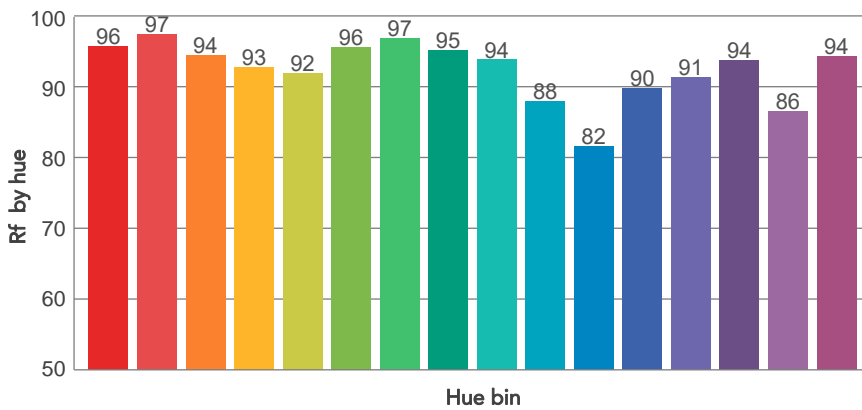
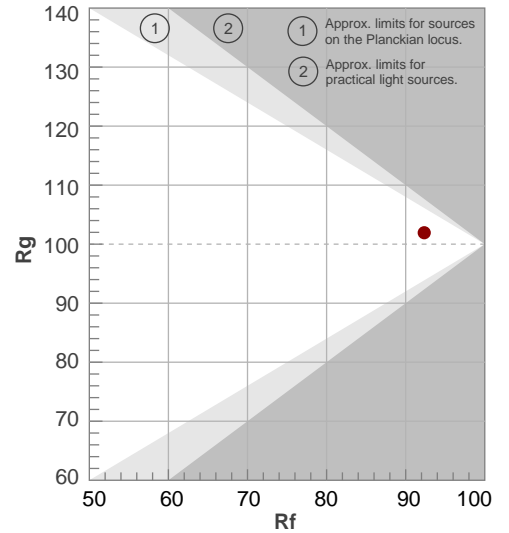
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6602 K	93,5	98,7	92,3	101,9	93,5	98	0,311	0,328	0,0002

TM30 DETAILS

Rf 92,3
Fidelity index Rf

Rg 101,9
Gammut index

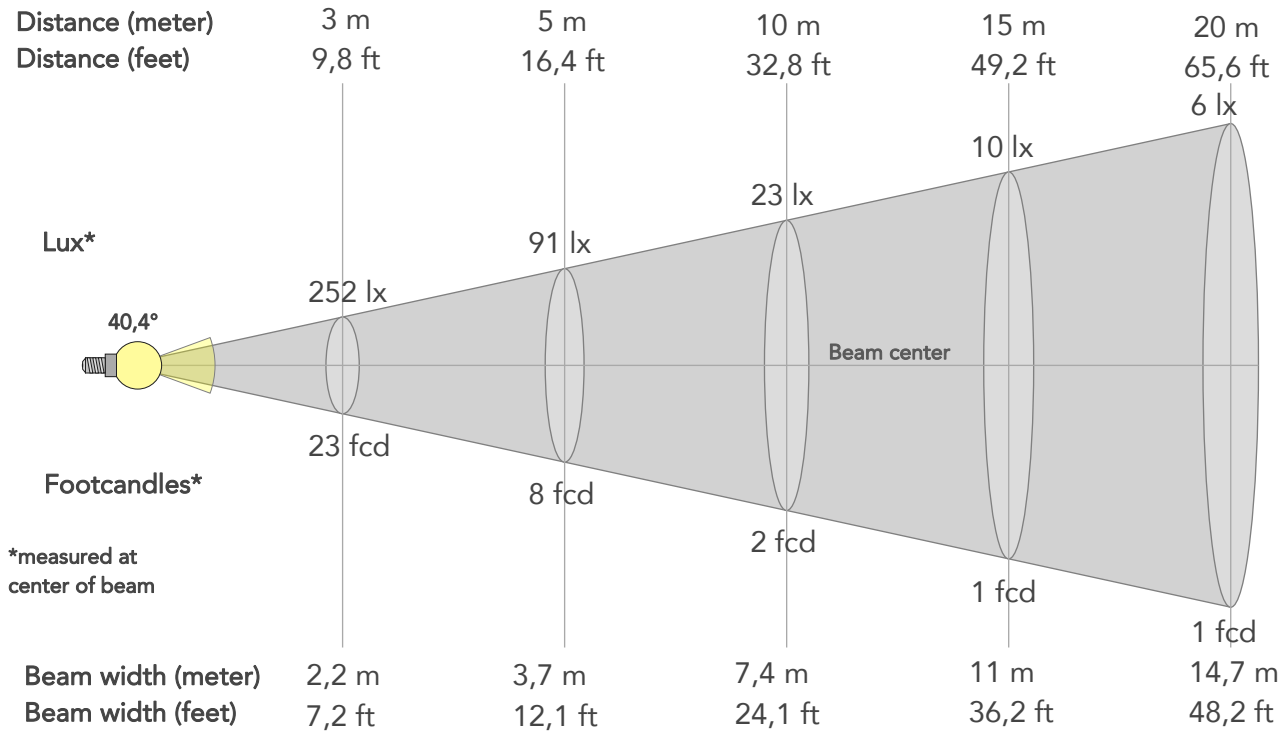
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-2%
2	97	-1%	0%
3	94	-1%	2%
4	93	0%	4%
5	92	0%	2%
6	96	2%	1%
7	97	1%	-2%
8	95	-2%	-1%
9	94	-4%	3%
10	88	-3%	8%
11	82	1%	11%
12	90	2%	7%
13	91	6%	5%
14	94	3%	0%
15	86	12%	-6%
16	94	2%	-3%



BEAM DETAILS



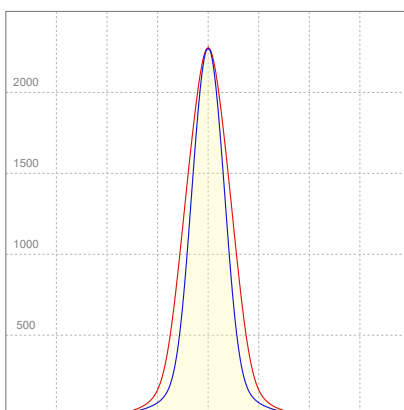
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40,4°	73,9°	111,6°	95,7%	88,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2271lx	568lx	252lx	142lx	91lx	40lx	23lx	10lx	6lx	4lx	3lx	1lx	1lx
Footcand.	211fcd	53fcd	23fcd	13fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	2,9m	3,7m	5,5m	7,4m	11m	14,7m	18,4m	22,1m	29,4m	36,8m
Beam wid.	2,4ft	4,9ft	7,2ft	9,6ft	12,1ft	18,1ft	24,1ft	36,2ft	48,2ft	60,3ft	72,4ft	96,5ft	120,6ft

LINEAR DISTRIBUTION DIAGRAM

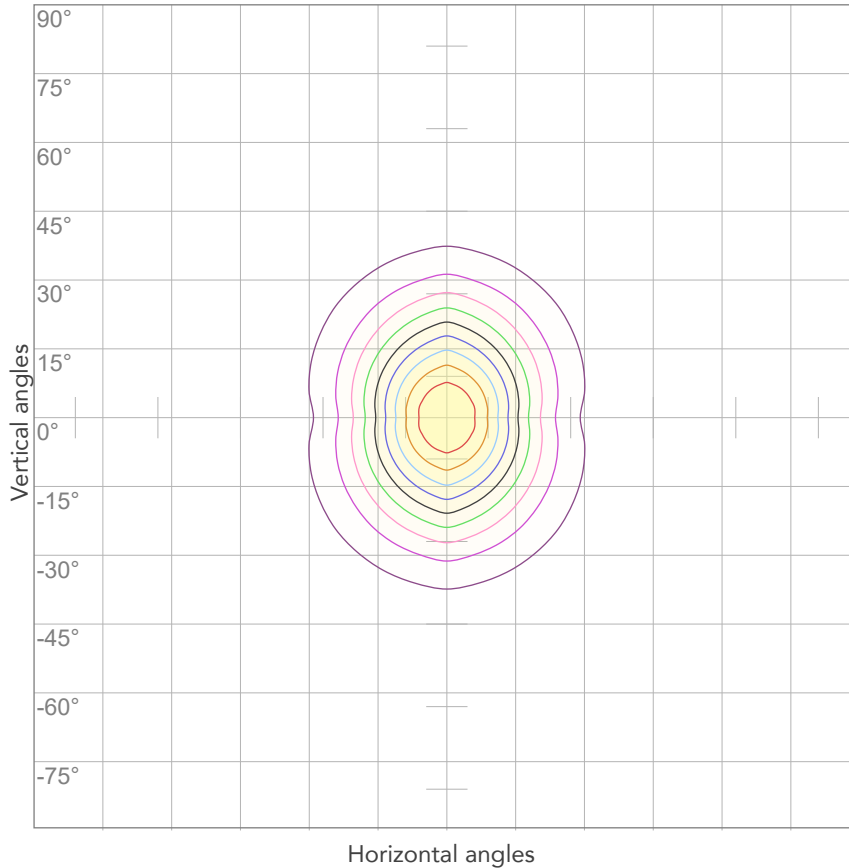


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,126A	26,6W	0,94	52lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



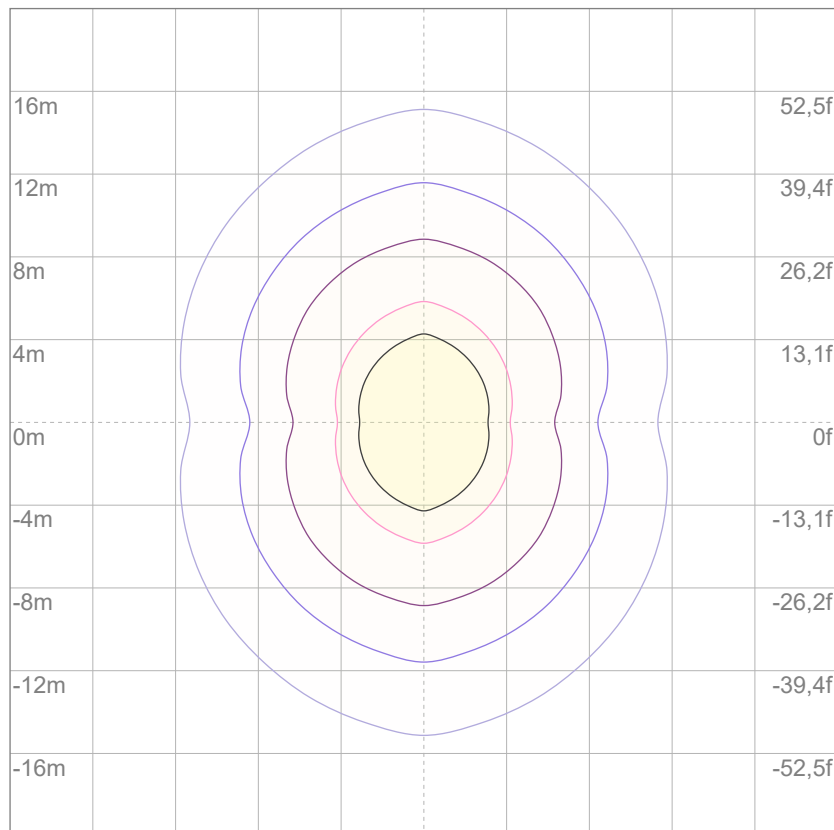
10%	227 cd
20%	454 cd
30%	681 cd
40%	908 cd
50%	1136 cd
60%	1363 cd
70%	1590 cd
80%	1817 cd

Conditions:

Number of c-planes: 4

Candela at center: 2271 cd

ISO LUX DIAGRAM



3%	0,681 lx
5%	1,14 lx
10%	2,27 lx
30%	6,81 lx
50%	11,4 lx

Conditions:

Number of c-planes: 4

Lux at center: 22,7 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)