

Photometric Test Report



ARCSPOTMVW

IP66 Spot featuring 4'100 lumen with
19 x 4W Variable White source,
10° native

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Color preset Warm White	
Beam angle 10°	35
Beam angle 10°+20° Filter	40
Beam angle 10°+40° Filter	45
Beam angle 10°+60° Filter	50
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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
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Color preset 4000K

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Beam angle 10°+40° Filter	165
Beam angle 10°+60° Filter	170
Beam angle 10°+10°x60° Filter	175
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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:

4170 lm

Peak candela output:

80209 cd

Light quality:

CRI: 93,6

Color temperature:

4273 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

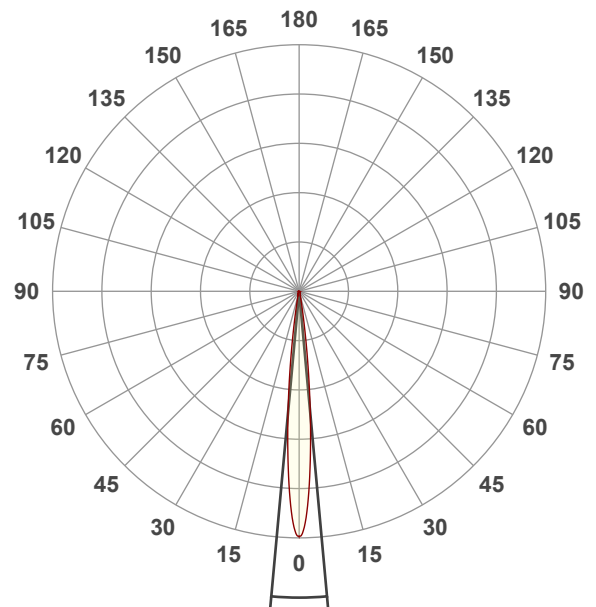
Full On

Operator:

Giacomo Matteo

Date and time:

21/02/2024 15:15:24

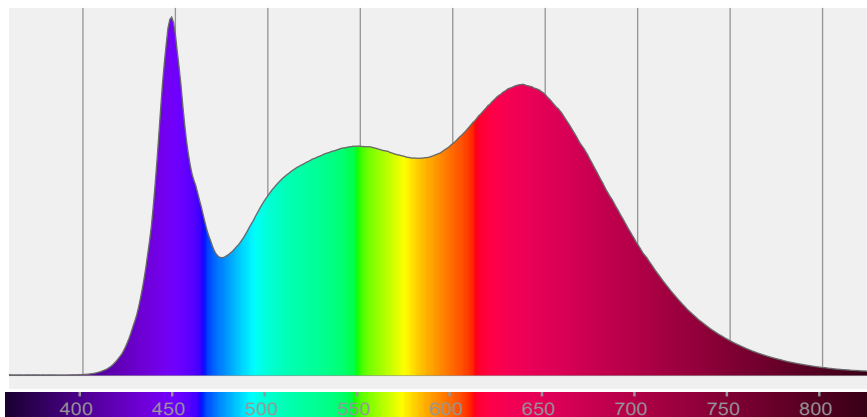


Beam angle 50%: 10,4°

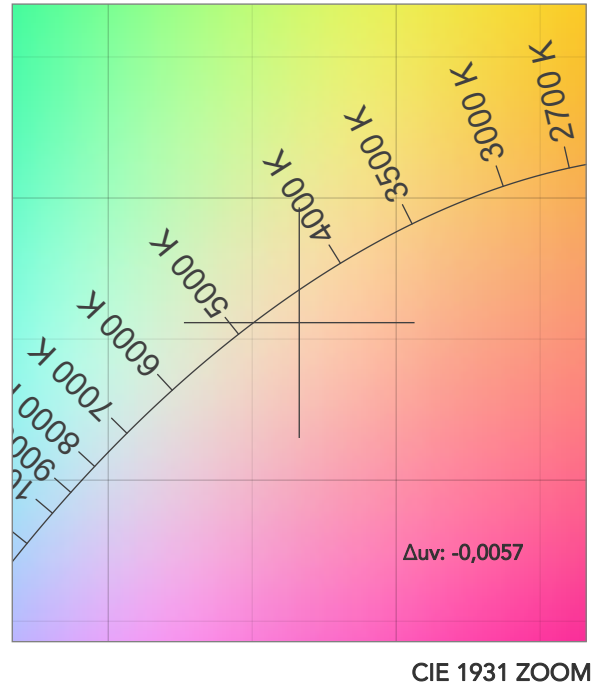
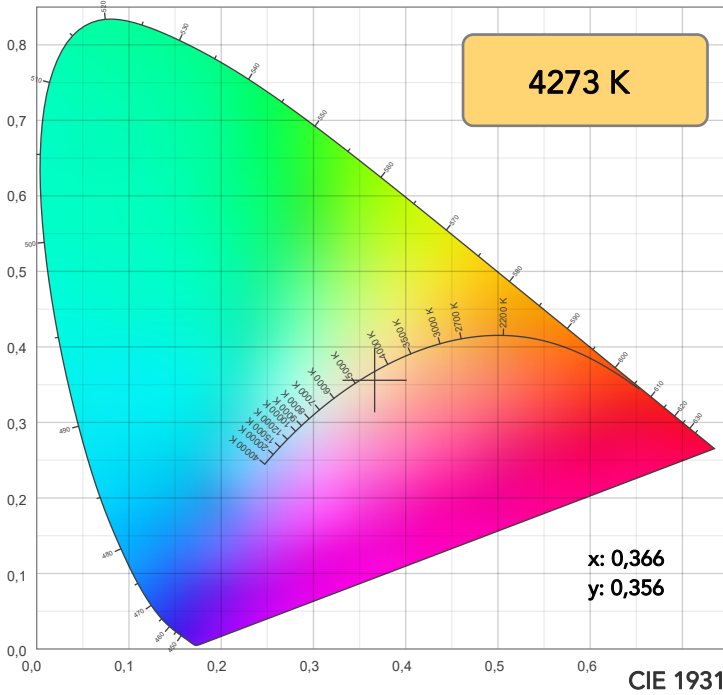
Field angle 10%: 18,7°

Cut off angle 2.5%: 27,2°

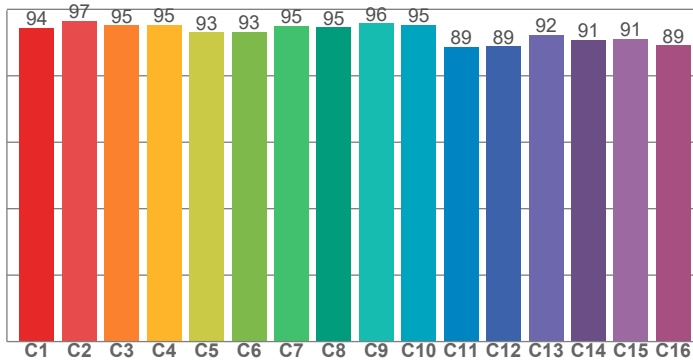
Spectra



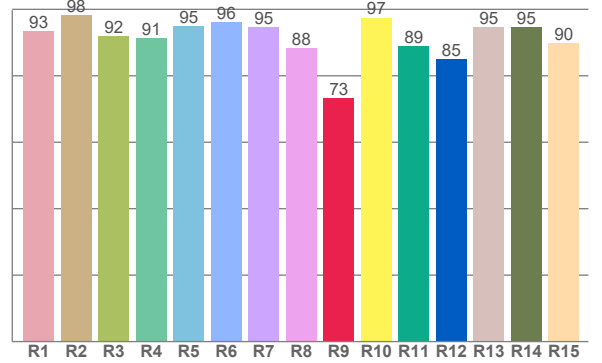
COLOR DETAILS



TM30: 93,3



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
93,4	98,2	91,9	91,3	95,0	96,1	94,6	88,2	73,2	97,4	89,0	85,0	94,7	94,7	89,7

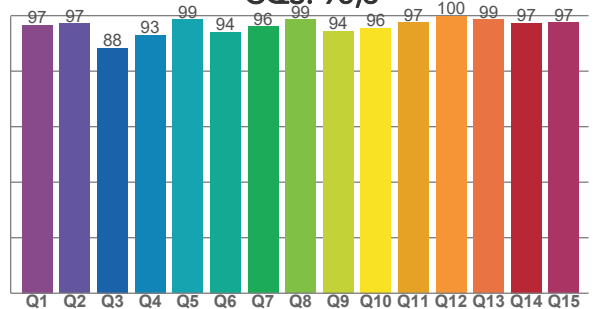
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,5	96,6	95,1	95,3	93,0	93,2	95,0	94,6	95,8	95,2	88,6	88,9	92,3	90,8	91,0	89,1

CQS Q values

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

CQS: 95,3



COLOR PARAMETERS

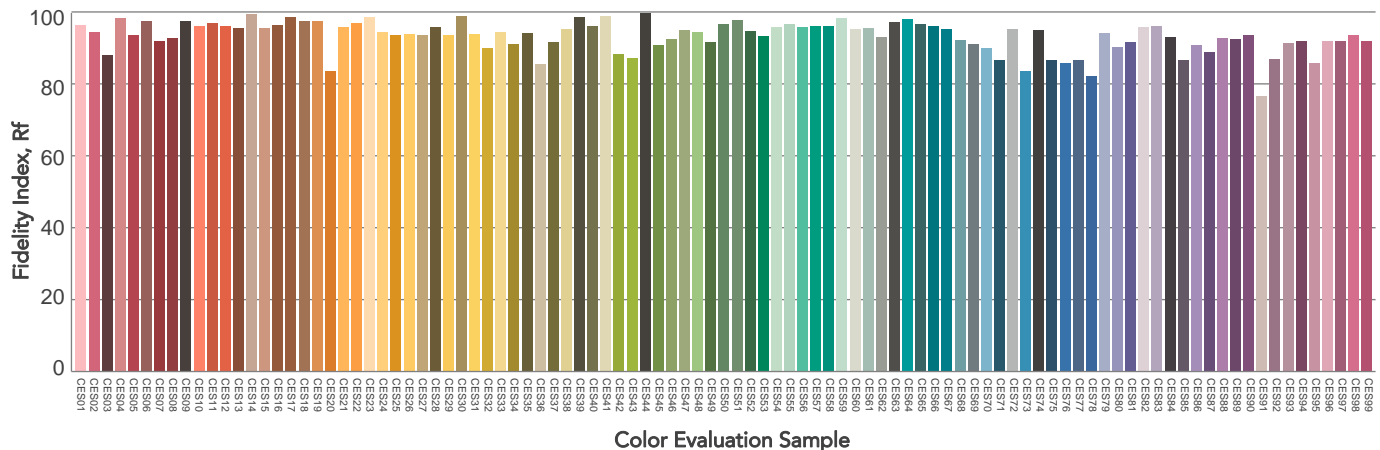
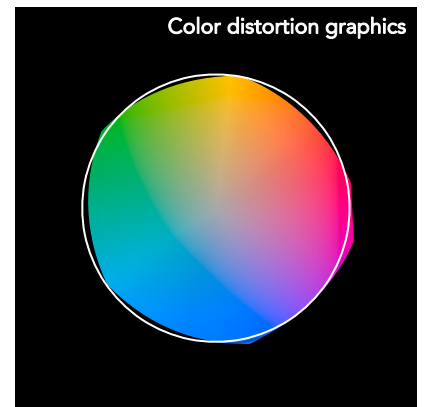
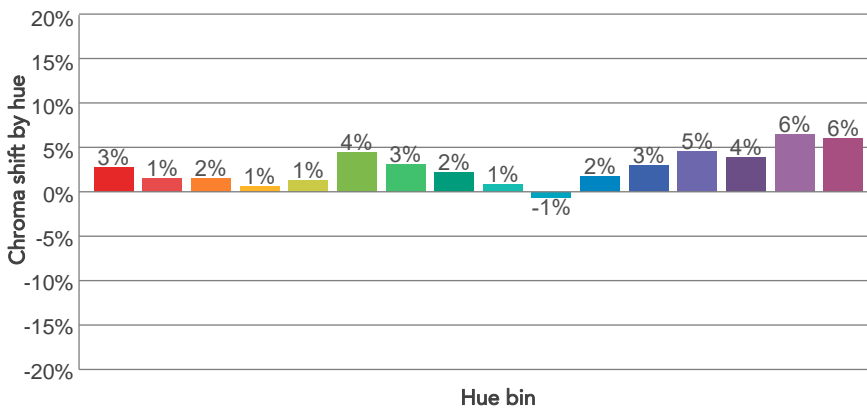
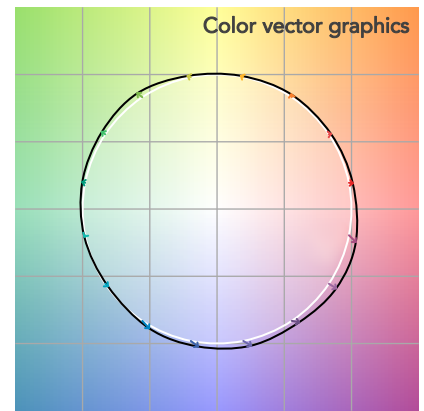
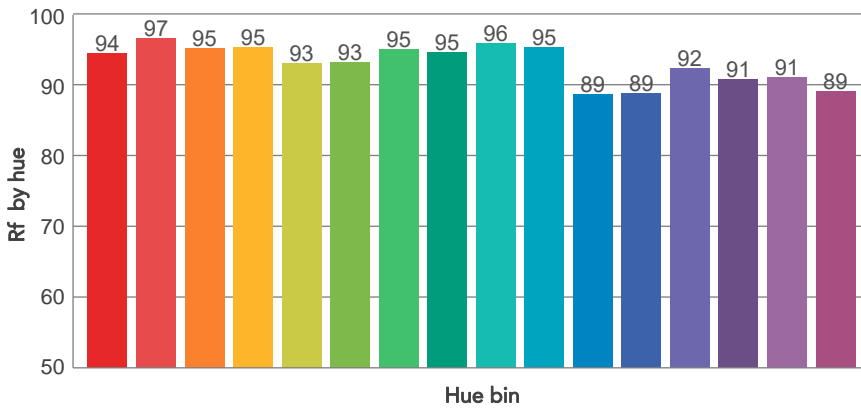
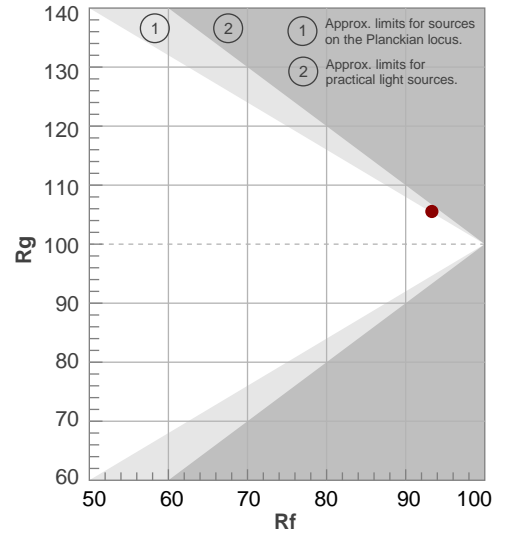
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4273 K	93,6	73,2	93,3	105,5	95,3	97	0,366	0,356	-0,0057

TM30 DETAILS

Rf 93,3
Fidelity index Rf

Rg 105,5
Gammut index

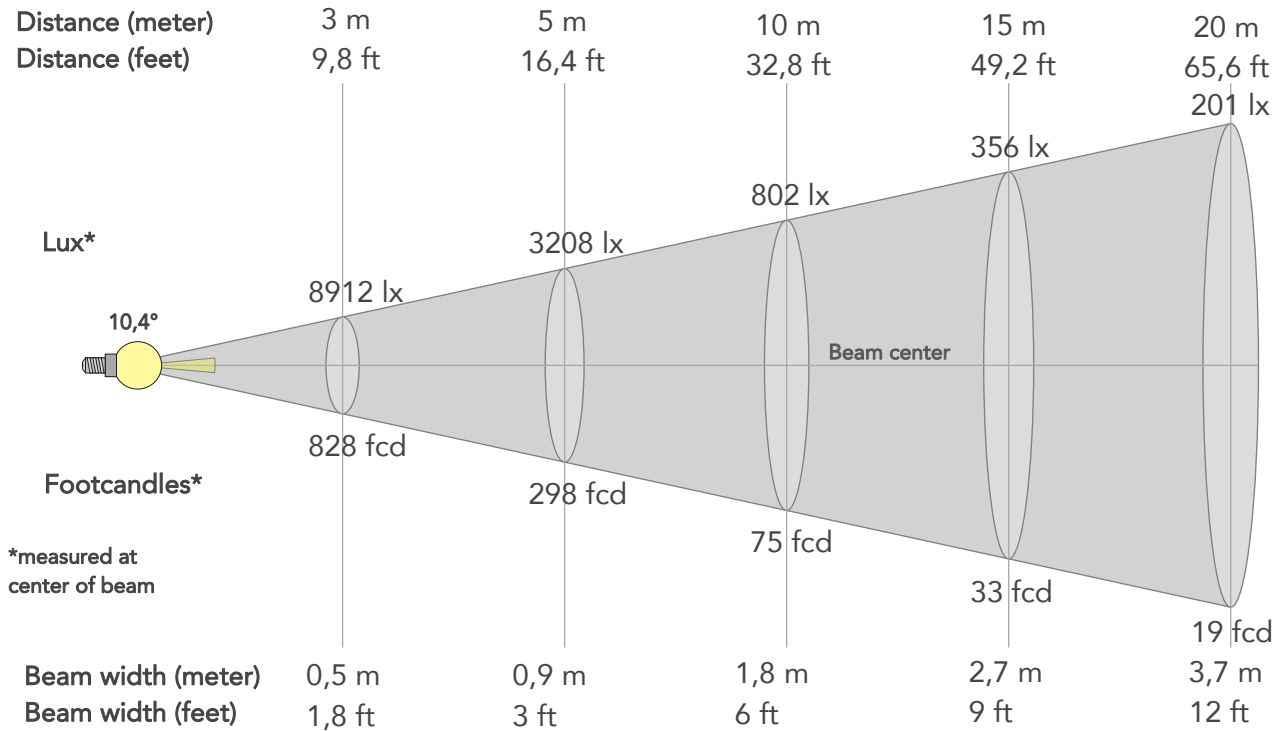
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	3%	-1%
2	97	1%	-1%
3	95	2%	1%
4	95	1%	2%
5	93	1%	2%
6	93	4%	1%
7	95	3%	0%
8	95	2%	0%
9	96	1%	1%
10	95	-1%	3%
11	89	2%	7%
12	89	3%	6%
13	92	5%	5%
14	91	4%	4%
15	91	6%	0%
16	89	6%	-4%



BEAM DETAILS



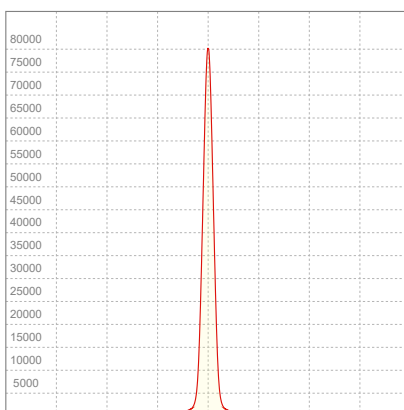
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,4°	18,7°	27,2°	97,2%	93,4%



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	80209lx	20052lx	8912lx	5013lx	3208lx	1426lx	802lx	356lx	201lx	128lx	89lx	50lx	32lx
Footcand.	7452fcd	1863fcd	828fcd	466fcd	298fcd	132fcd	75fcd	33fcd	19fcd	12fcd	8fcd	5fcd	3fcd
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	9,1m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	6ft	9ft	12ft	15ft	18ft	24ft	30ft

LINEAR DISTRIBUTION DIAGRAM

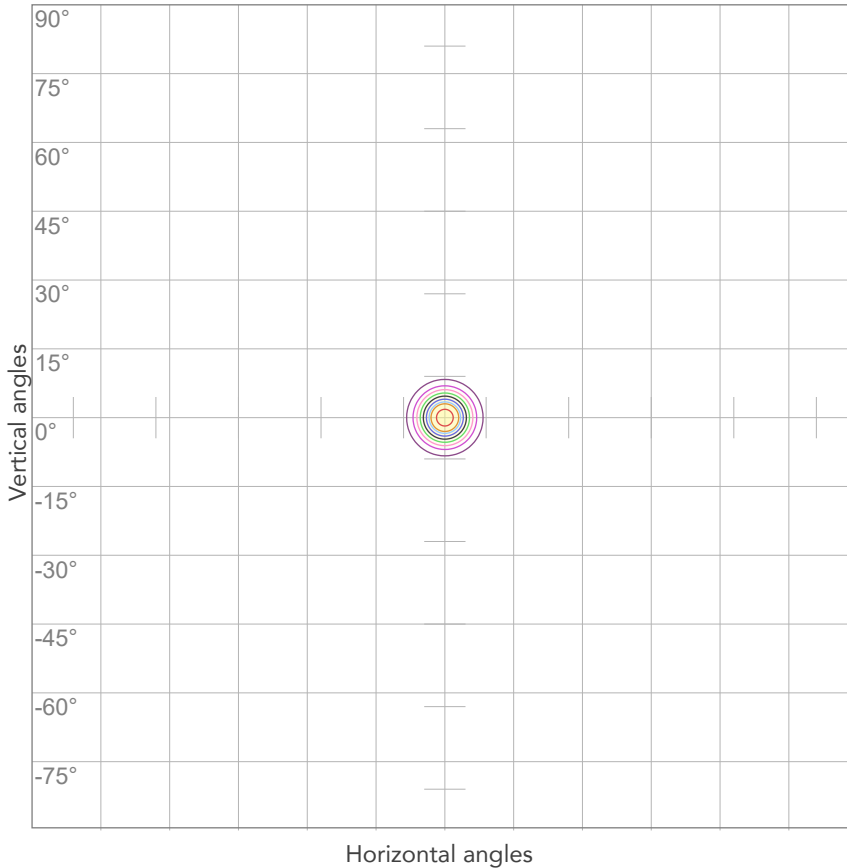


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,384A	79,9W	0,92	52lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



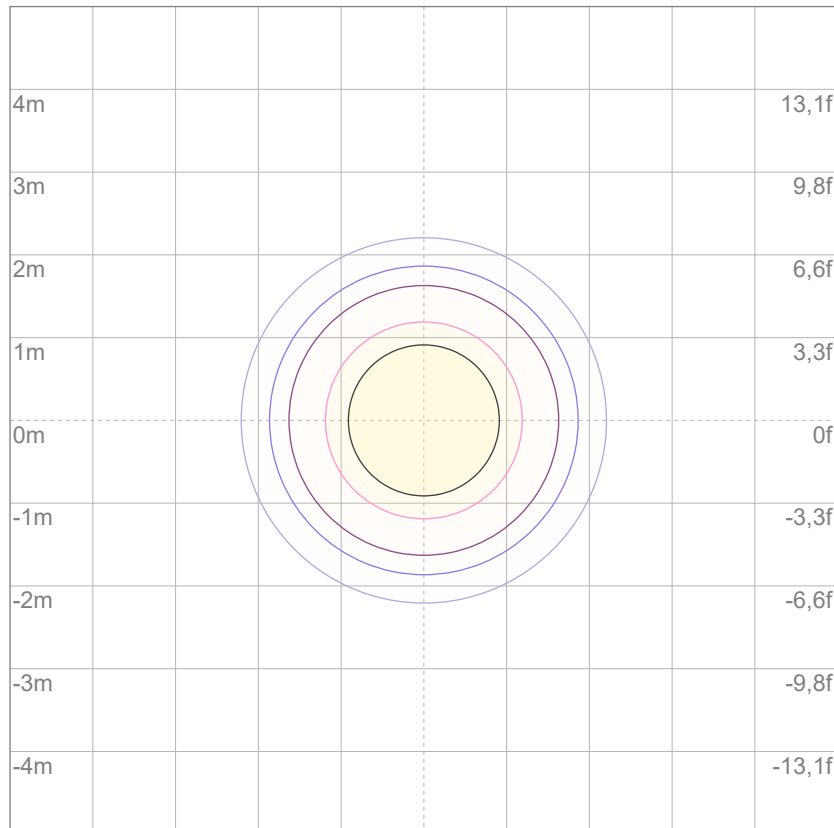
10%	8021 cd
20%	16042 cd
30%	24063 cd
40%	32084 cd
50%	40105 cd
60%	48126 cd
70%	56147 cd
80%	64168 cd

Conditions:

Number of c-planes: 2

Candela at center: 80209 cd

ISO LUX DIAGRAM



3%	24,1 lx
5%	40,1 lx
10%	80,2 lx
30%	241 lx
50%	401 lx

Conditions:

Number of c-planes: 2

Lux at center: 802 lx

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



Total lumen output:

4068 lm

Peak candela output:

15551 cd

Light quality:

CRI: 93,8

Color temperature:

4284 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

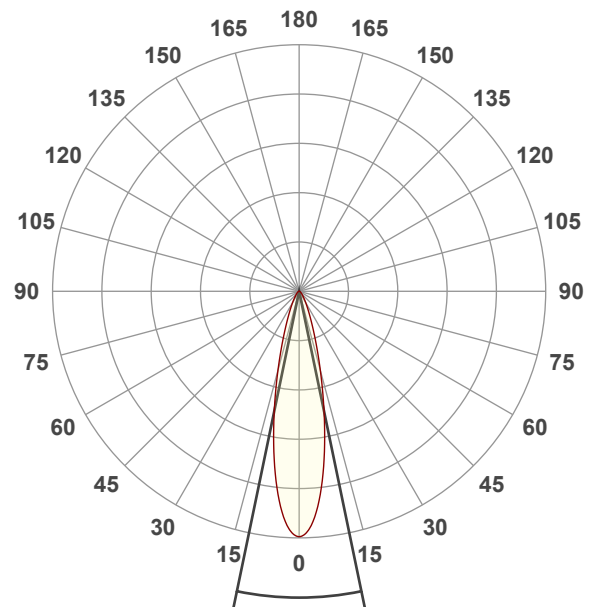
Full On

Operator:

Giacomo Matteo

Date and time:

21/02/2024 16:00:01

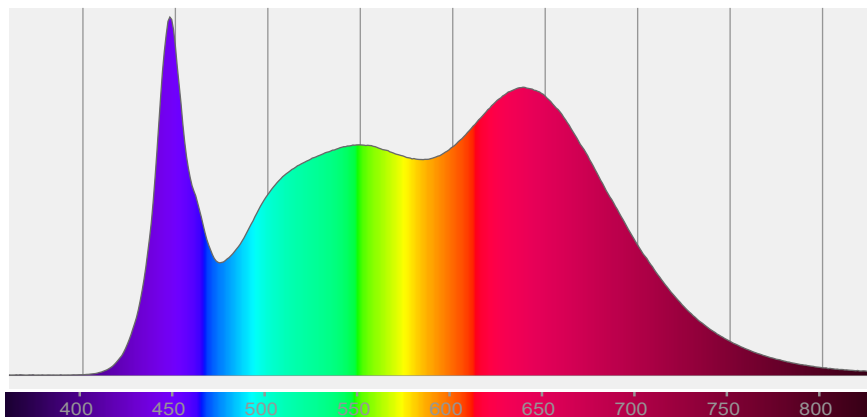


Beam angle 50%: 23,5°

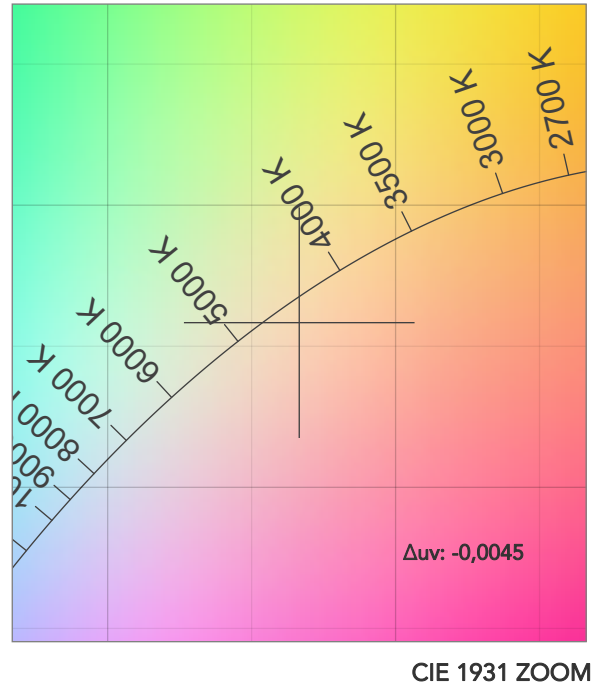
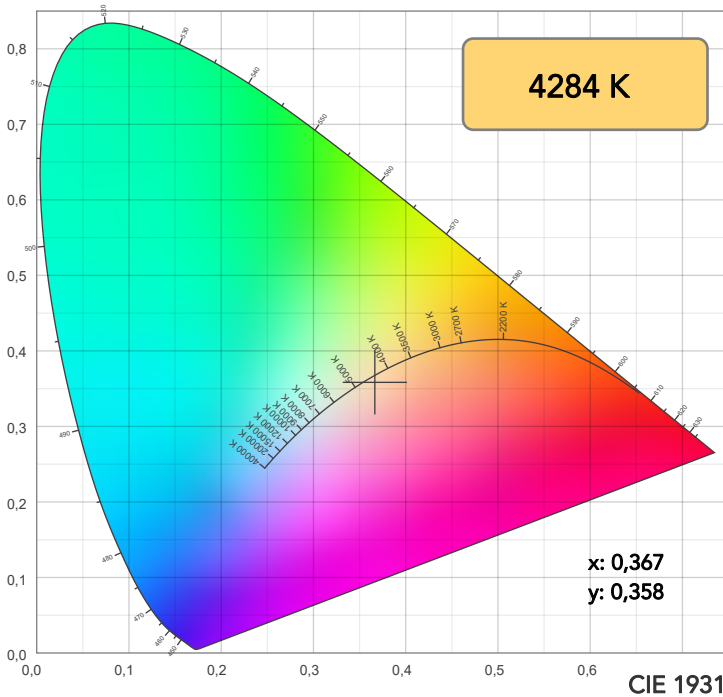
Field angle 10%: 48,5°

Cut off angle 2.5%: 76,5°

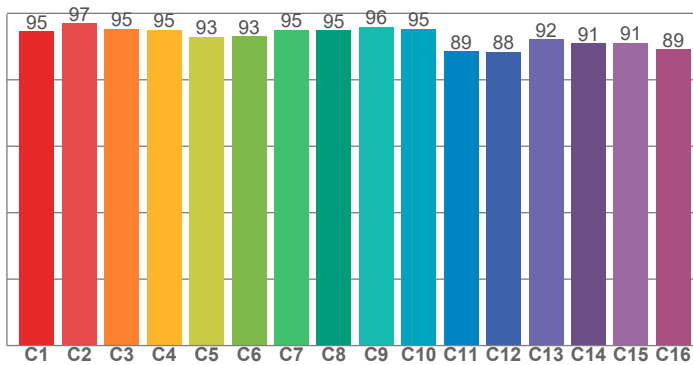
Spectra



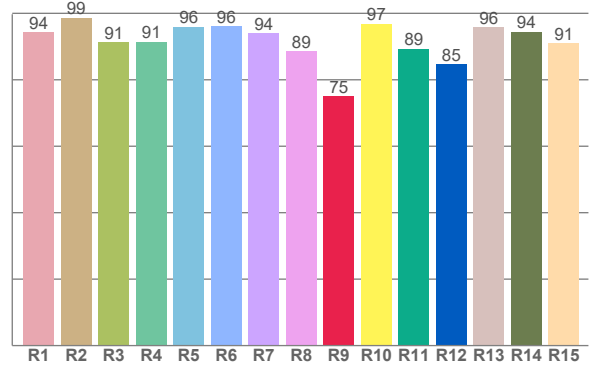
COLOR DETAILS



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
94,4	98,7	91,3	91,5	95,9	96,2	94,1	88,6	75,0	96,9	89,4	84,7	95,8	94,4	90,9

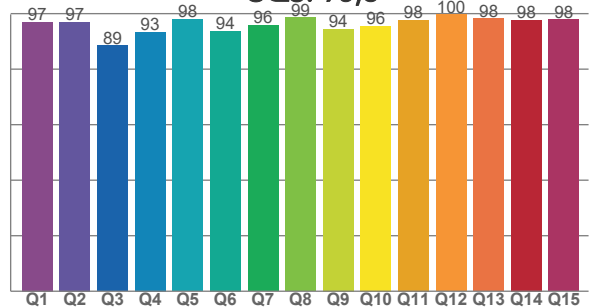
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,6	96,9	95,3	95,1	93,0	93,0	95,0	94,8	96,0	95,3	88,6	88,5	92,2	90,9	91,1	89,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,0	97,1	88,5	93,3	98,0	93,7	95,8	98,6	94,5	95,6	97,6	99,7	98,2	97,8	97,9

CQS: 95,3



COLOR PARAMETERS

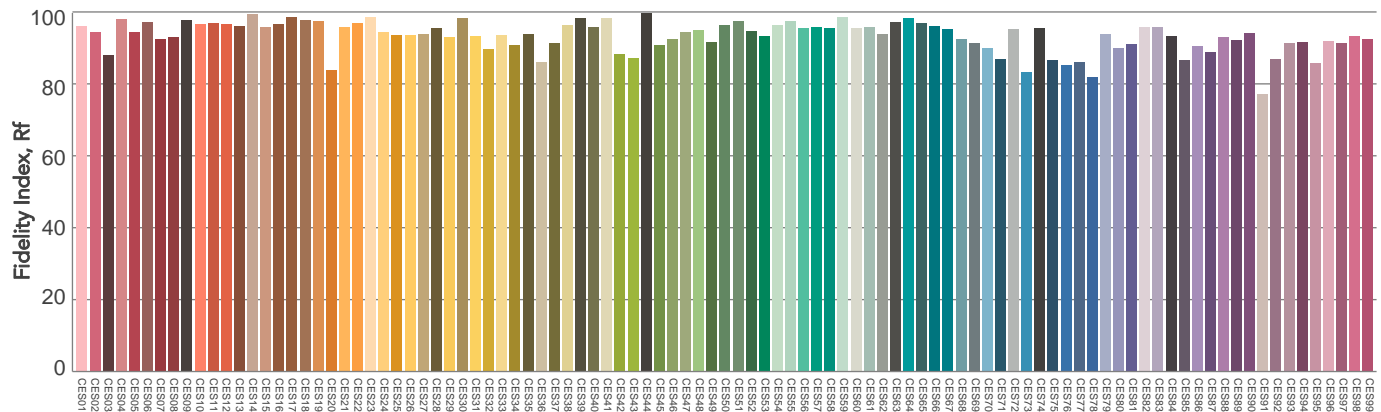
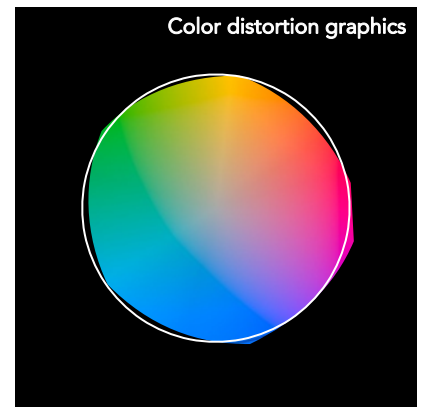
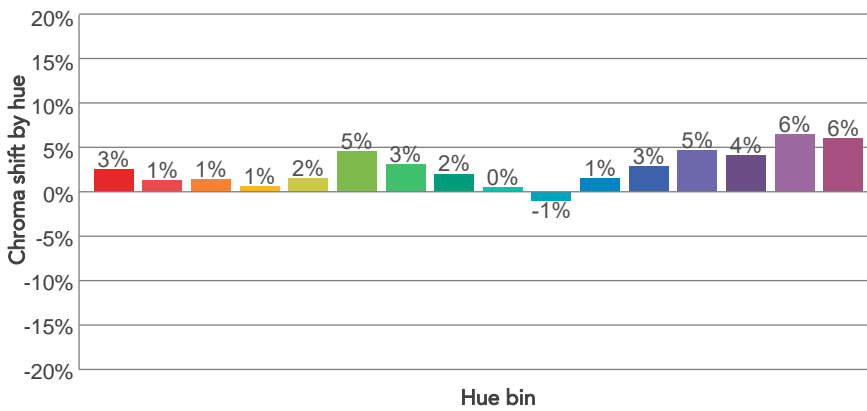
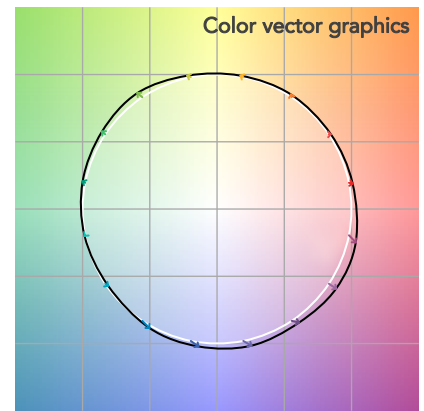
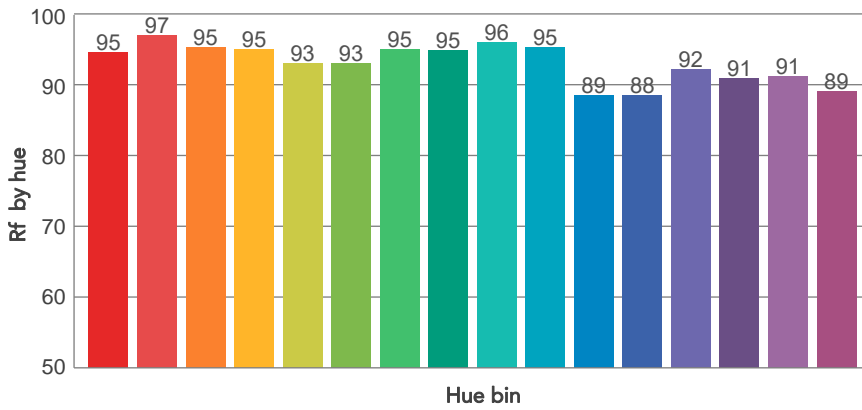
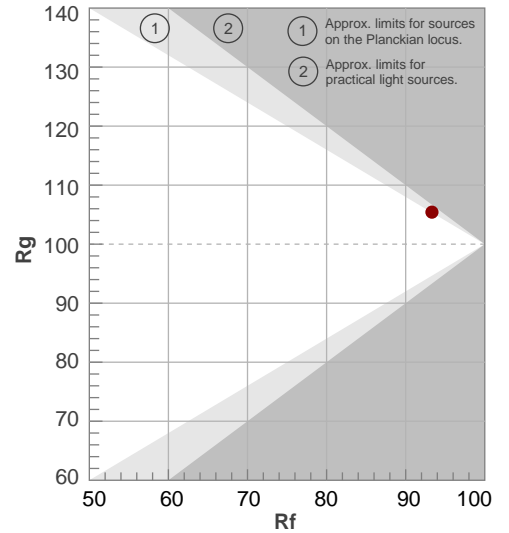
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4284 K	93,8	75,0	93,3	105,4	95,3	97	0,367	0,358	-0,0045

TM30 DETAILS

Rf 93,3
Fidelity index Rf

Rg 105,4
Gammut index

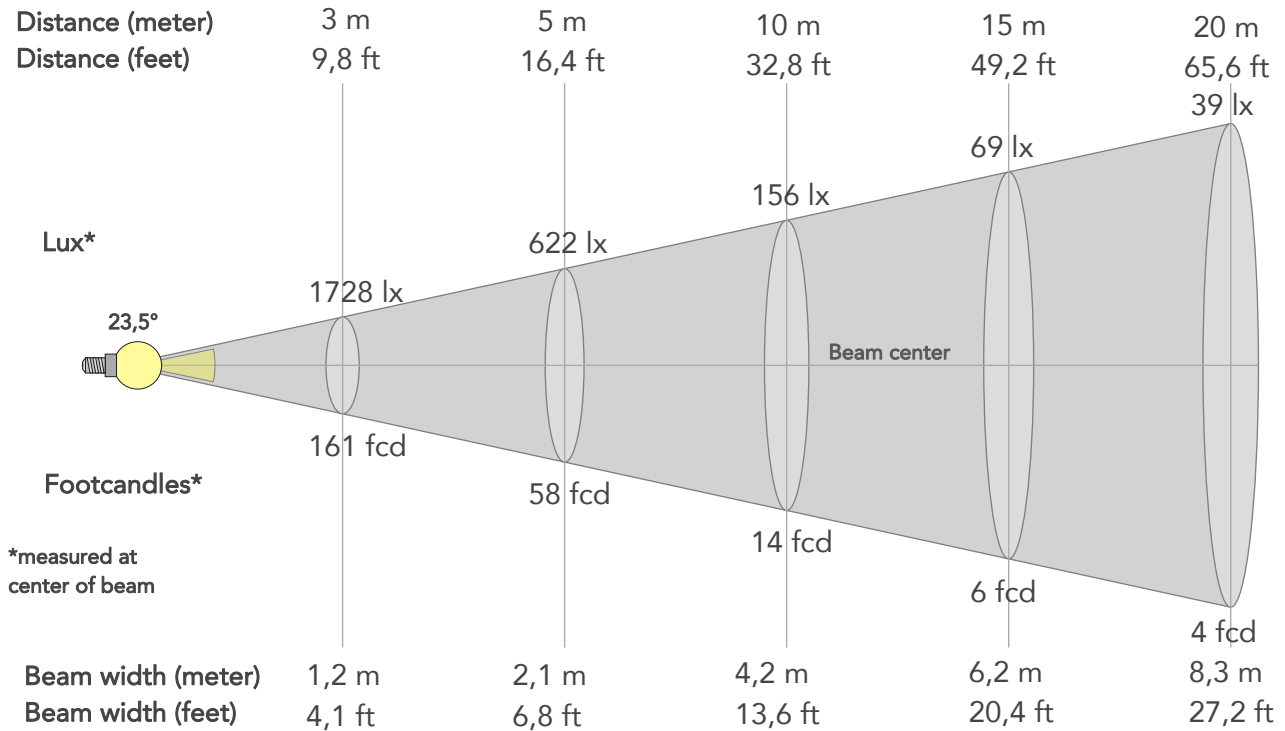
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	3%	-1%
2	97	1%	-1%
3	95	1%	2%
4	95	1%	2%
5	93	2%	2%
6	93	5%	1%
7	95	3%	0%
8	95	2%	-1%
9	96	0%	0%
10	95	-1%	2%
11	89	1%	7%
12	88	3%	6%
13	92	5%	5%
14	91	4%	4%
15	91	6%	0%
16	89	6%	-4%



BEAM DETAILS



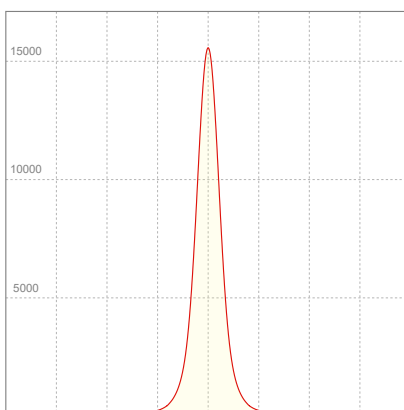
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,5°	48,5°	76,5°	96,8%	91,7%



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	15551lx	3888lx	1728lx	972lx	622lx	276lx	156lx	69lx	39lx	25lx	17lx	10lx	6lx
Footcand.	1445fcd	361fcd	161fcd	90fcd	58fcd	26fcd	14fcd	6fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,2m	6,2m	8,3m	10,4m	12,5m	16,6m	20,8m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34ft	40,8ft	54,5ft	68,1ft

LINEAR DISTRIBUTION DIAGRAM

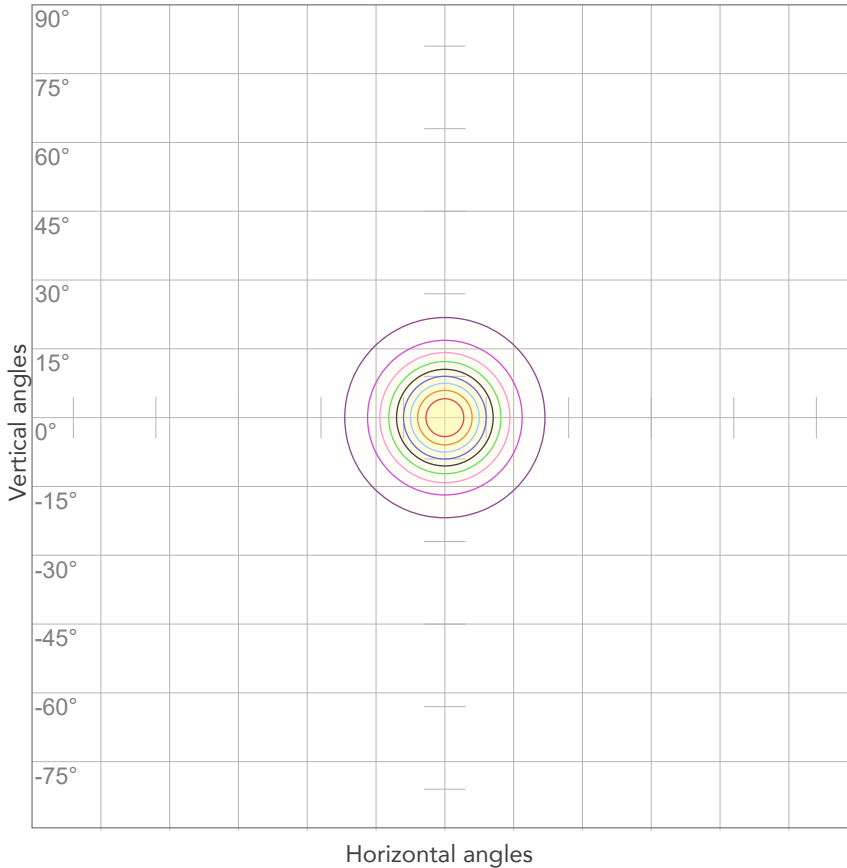


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,387A	80,8W	0,92	50lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



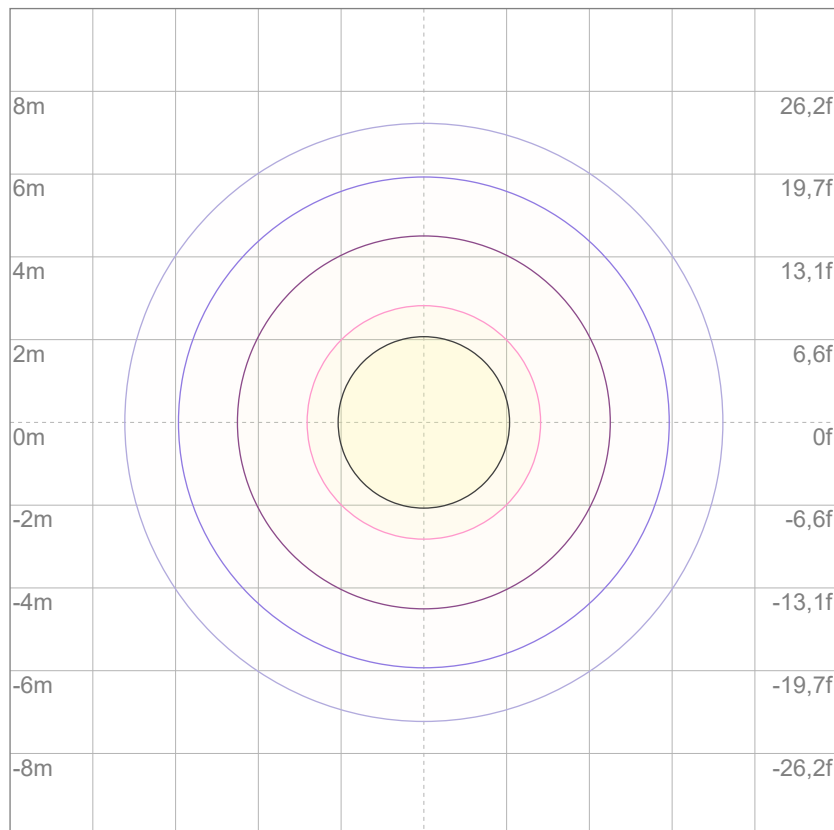
10%	1555 cd
20%	3110 cd
30%	4665 cd
40%	6221 cd
50%	7776 cd
60%	9331 cd
70%	10886 cd
80%	12441 cd

Conditions:

Number of c-planes: 2

Candela at center: 15551 cd

ISO LUX DIAGRAM



3%	4,67 lx
5%	7,78 lx
10%	15,6 lx
30%	46,7 lx
50%	77,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 156 lx

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



Total lumen output:

3817 lm

Peak candela output:

4992 cd

Light quality:

CRI: 93,8

Color temperature:

4298 K

PRODUCT NAME:

ARCSPOTM VW

MEASUREMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

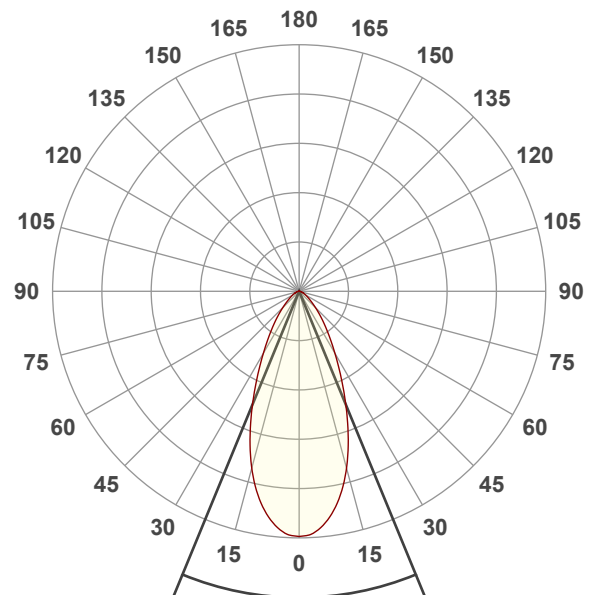
Full On

Operator:

Giacomo Matteo

Date and time:

21/02/2024 16:29:51

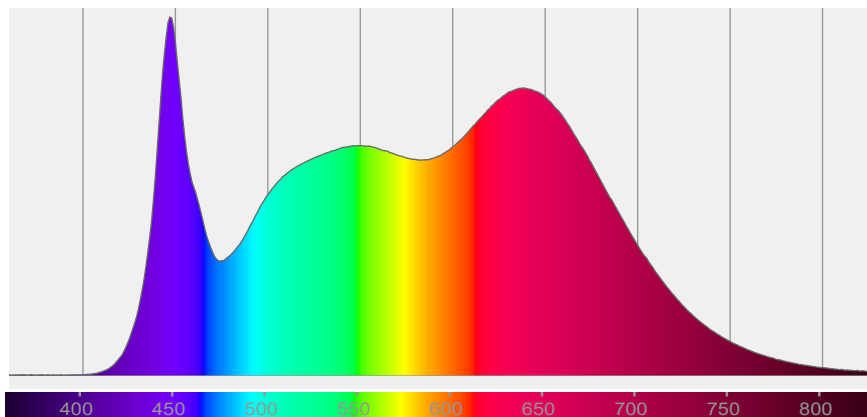


Beam angle 50%: 44,8°

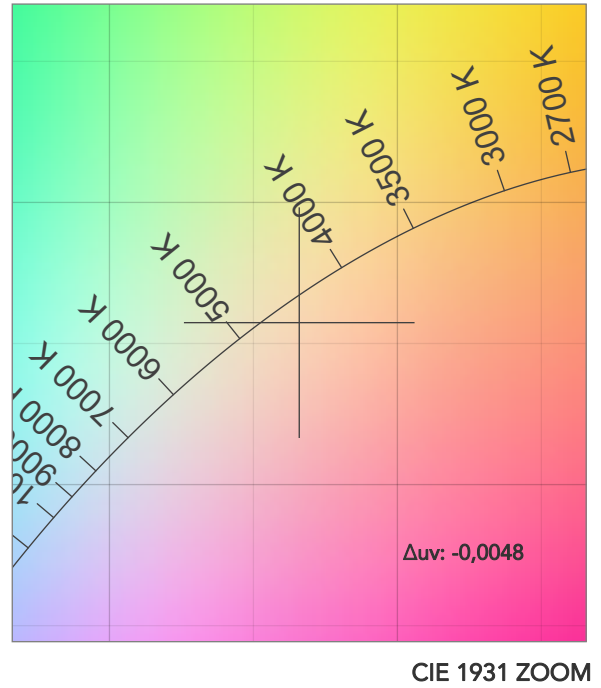
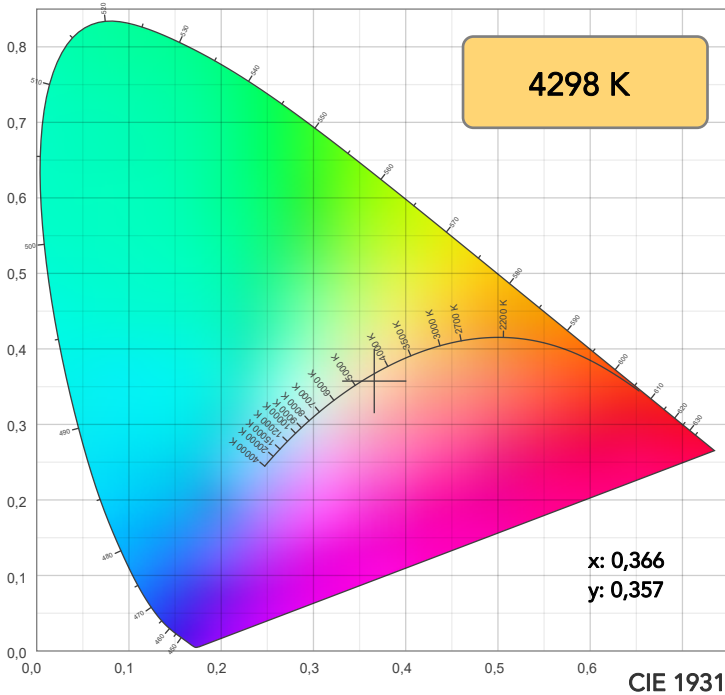
Field angle 10%: 88,7°

Cut off angle 2.5%: 126,7°

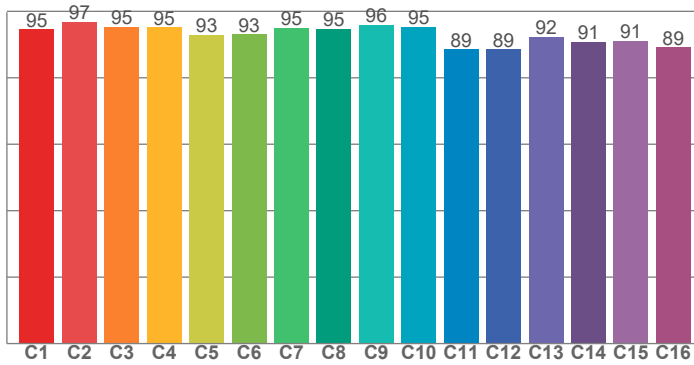
Spectra



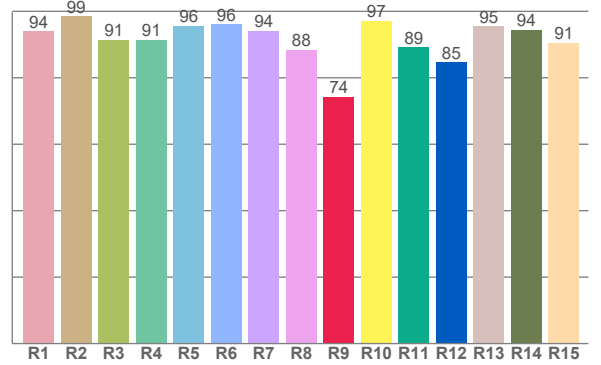
COLOR DETAILS



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
94,1	98,6	91,4	91,4	95,7	96,2	94,2	88,4	74,3	97,2	89,2	84,7	95,5	94,5	90,6

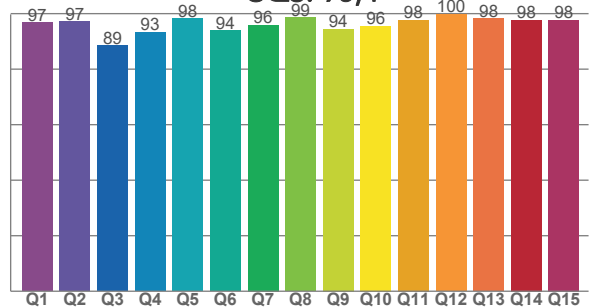
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,5	96,8	95,3	95,1	93,0	93,1	95,0	94,7	96,0	95,3	88,6	88,6	92,2	90,9	91,1	89,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,8	97,1	88,5	93,2	98,2	93,9	95,9	98,6	94,5	95,6	97,6	99,7	98,3	97,7	97,8

CQS: 95,4



COLOR PARAMETERS

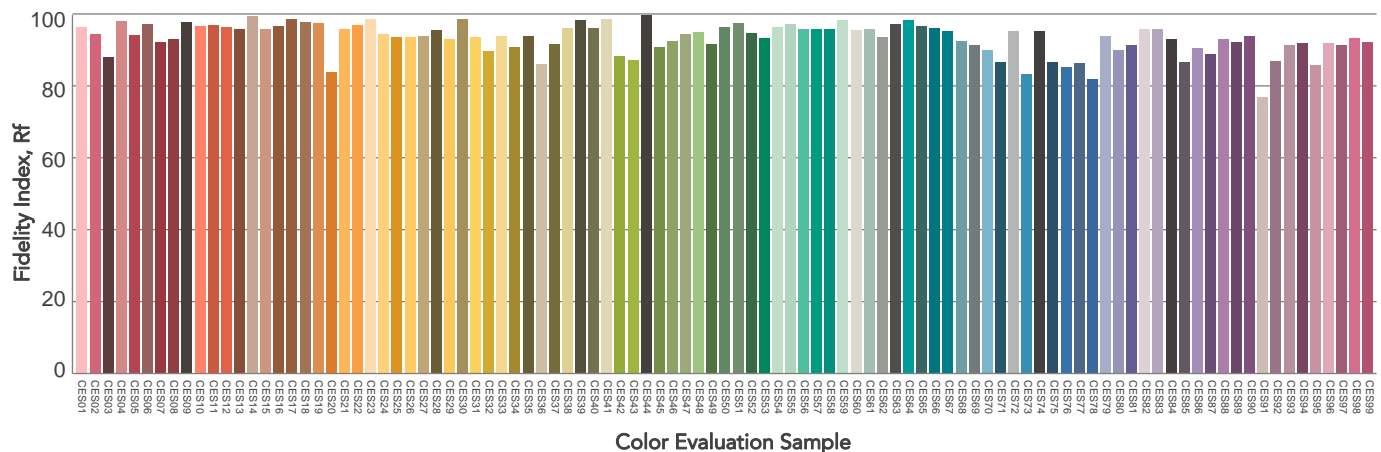
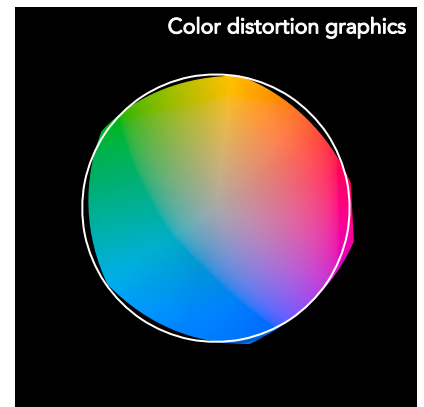
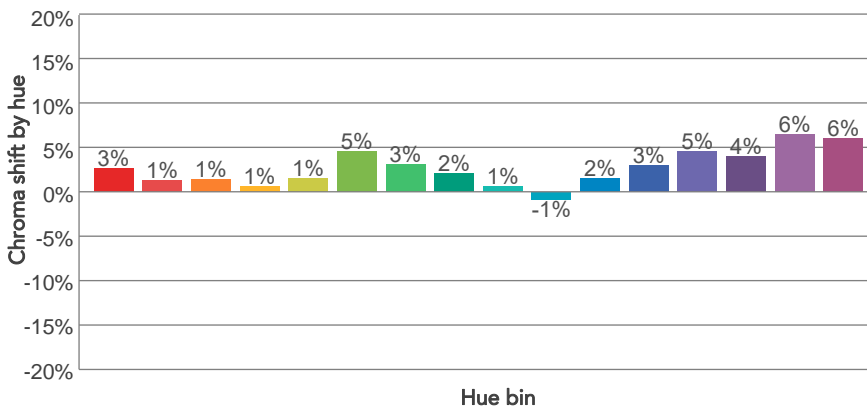
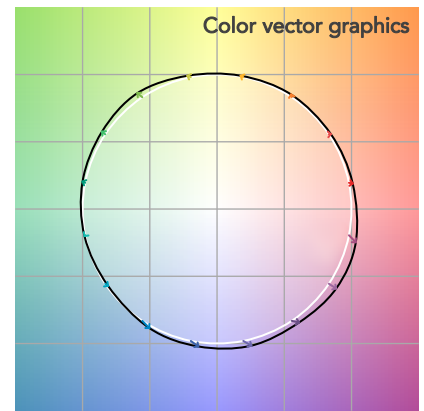
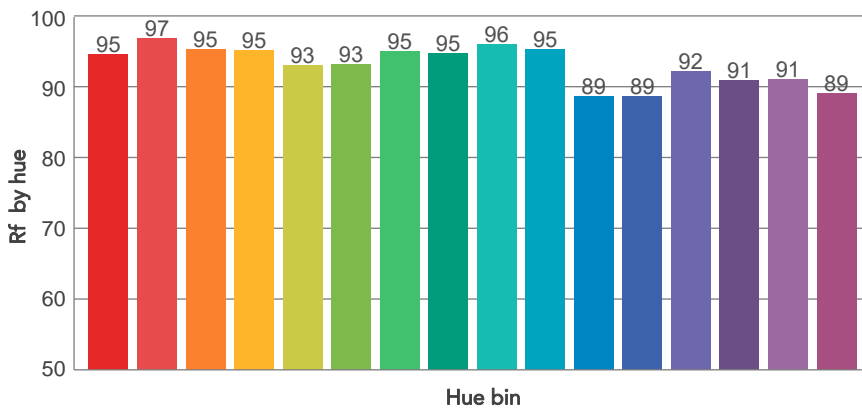
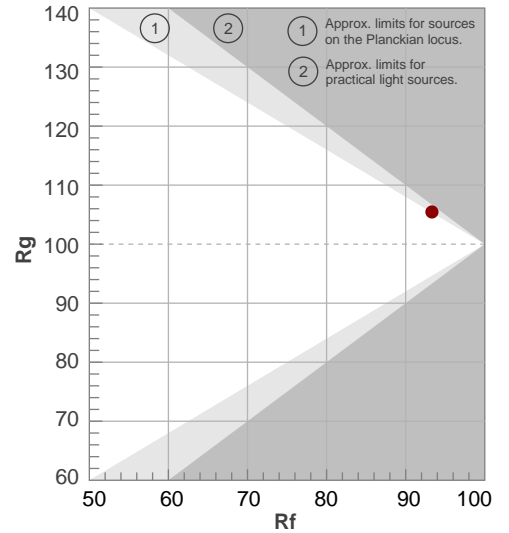
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4298 K	93,8	74,3	93,3	105,5	95,4	97	0,366	0,357	-0,0048

TM30 DETAILS

Rf 93,3
Fidelity index Rf

Rg 105,5
Gammut index

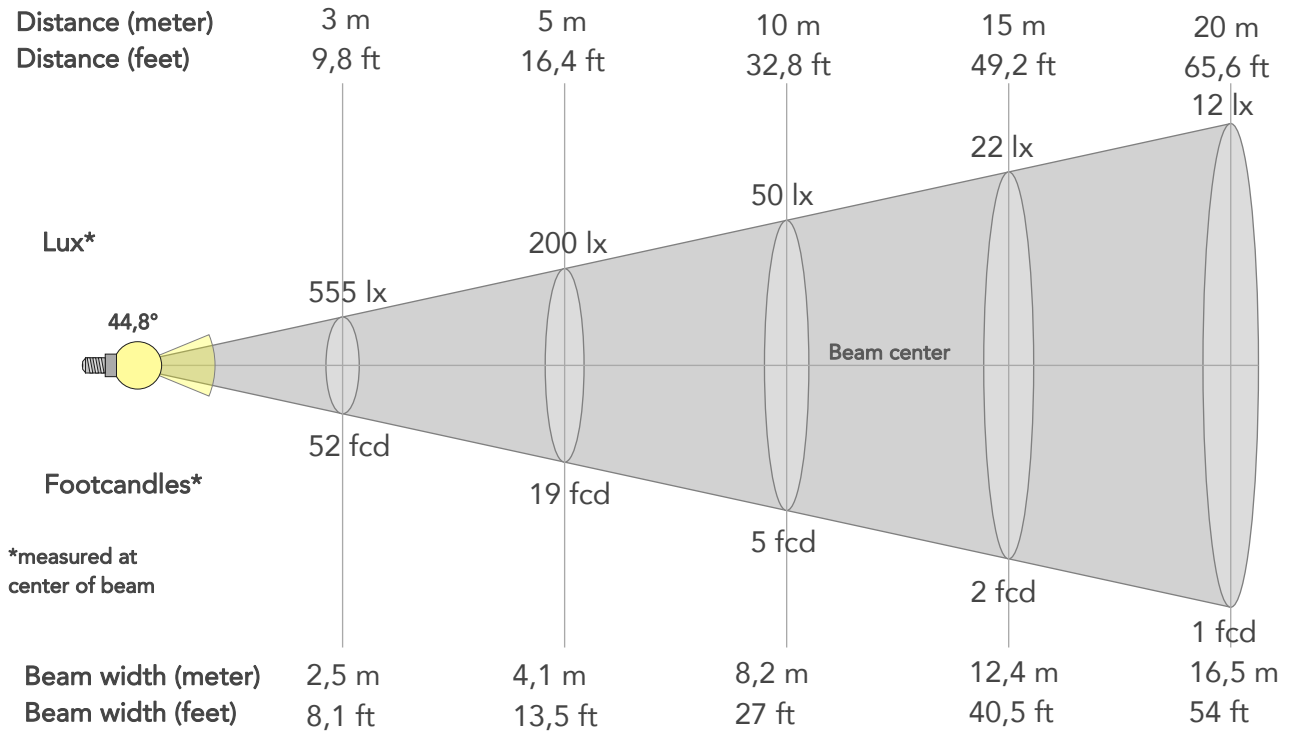
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	3%	-1%
2	97	1%	-1%
3	95	1%	2%
4	95	1%	2%
5	93	1%	2%
6	93	5%	1%
7	95	3%	0%
8	95	2%	0%
9	96	1%	1%
10	95	-1%	2%
11	89	2%	7%
12	89	3%	6%
13	92	5%	5%
14	91	4%	4%
15	91	6%	0%
16	89	6%	-4%



BEAM DETAILS



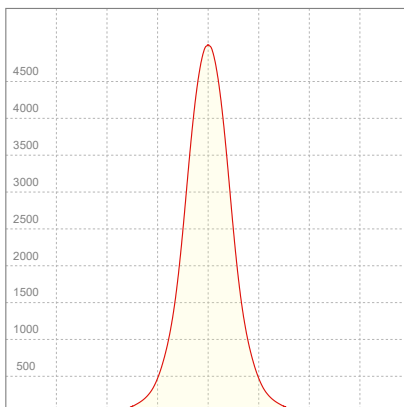
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,8°	88,7°	126,7°	95,6%	86,2%



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	4992lx	1248lx	555lx	312lx	200lx	89lx	50lx	22lx	12lx	8lx	6lx	3lx	2lx
Footcand.	464fcd	116fcd	52fcd	29fcd	19fcd	8fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,4m	16,5m	20,6m	24,7m	33m	41,2m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,3ft	27ft	40,5ft	54ft	67,5ft	81,1ft	108,1ft	135,1ft

LINEAR DISTRIBUTION DIAGRAM

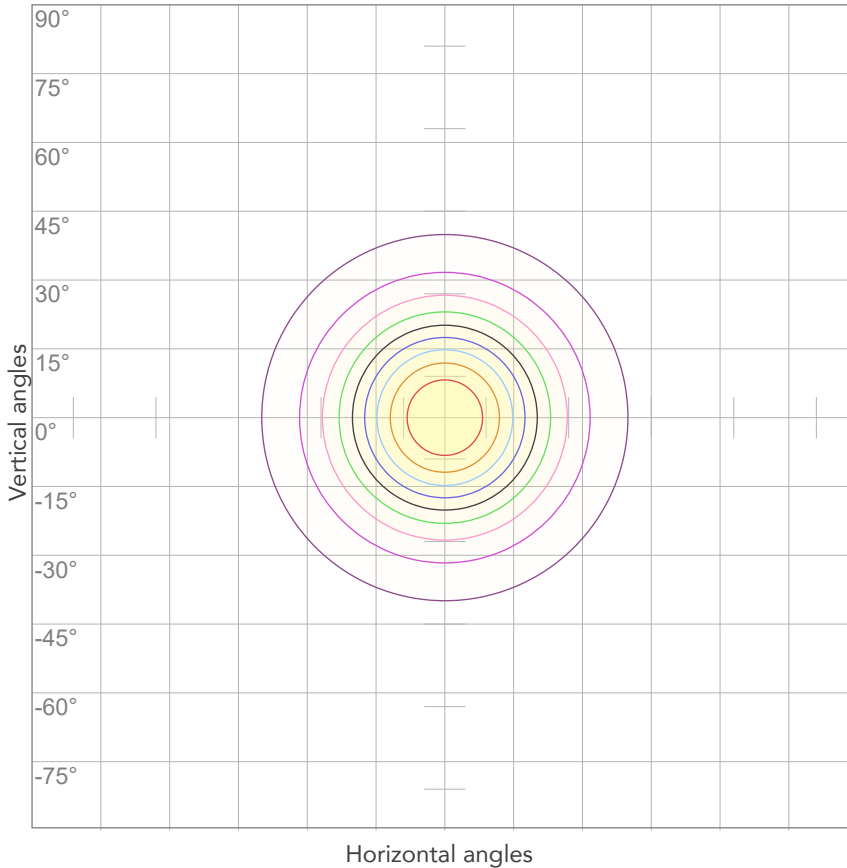


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,386A	80,6W	0,92	47lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



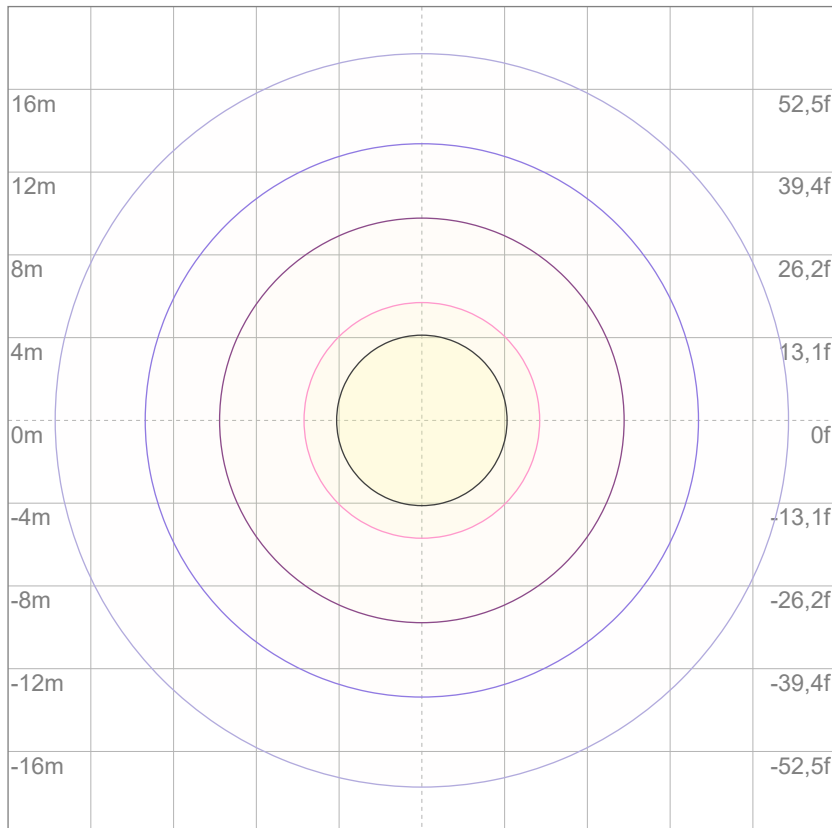
10%	499 cd
20%	998 cd
30%	1498 cd
40%	1997 cd
50%	2496 cd
60%	2995 cd
70%	3494 cd
80%	3994 cd

Conditions:

Number of c-planes: 2

Candela at center: 4992 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,50 lx
5%	2,50 lx
10%	4,99 lx
30%	15,0 lx
50%	25,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 49,9 lx

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



Total lumen output:

3868 lm

Peak candela output:

3420 cd

Light quality:

CRI: 93,9

Color temperature:

4309 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

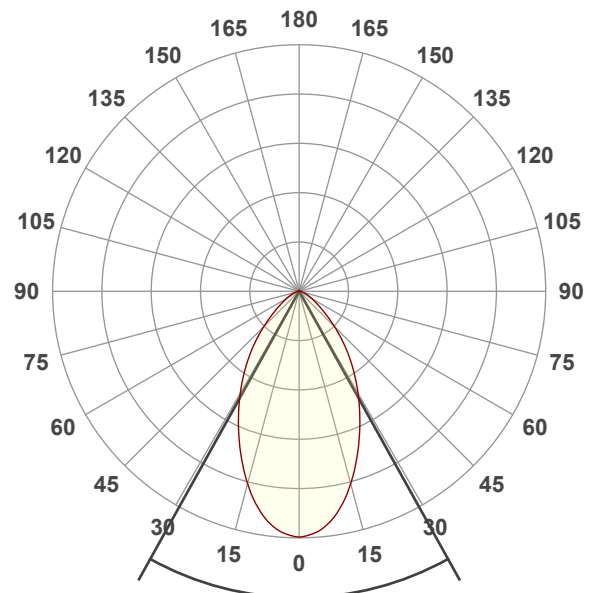
Full On

Operator:

Giacomo Matteo

Date and time:

21/02/2024 17:10:40

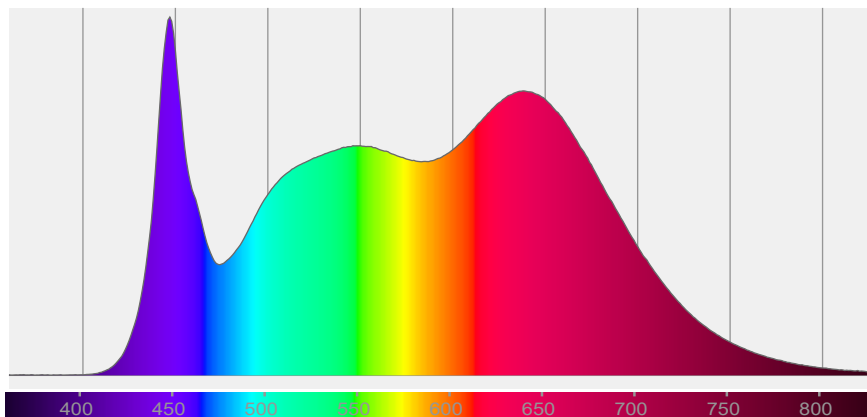


Beam angle 50%: 58,2°

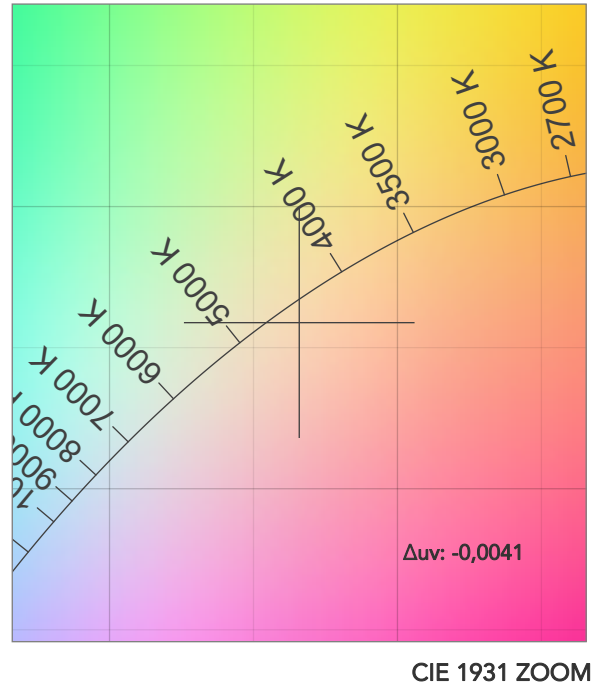
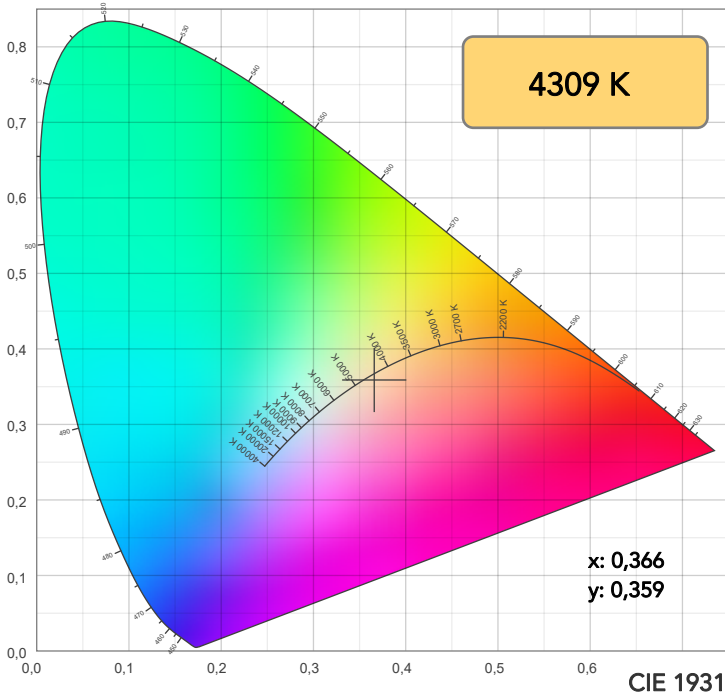
Field angle 10%: 107,3°

Cut off angle 2.5%: 141,6°

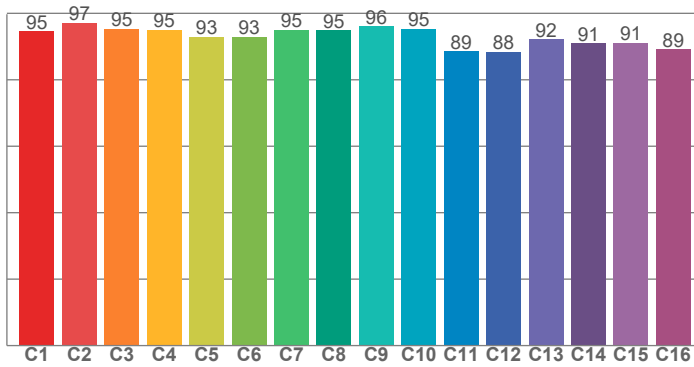
Spectra



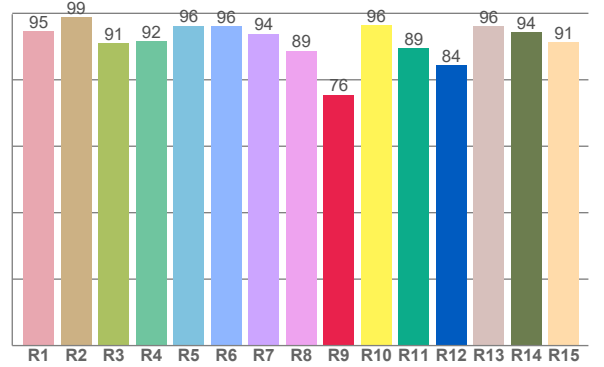
COLOR DETAILS



TM30: 93,3



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
94,7	98,8	91,1	91,5	96,2	96,1	93,9	88,7	75,5	96,5	89,5	84,4	96,2	94,3	91,3

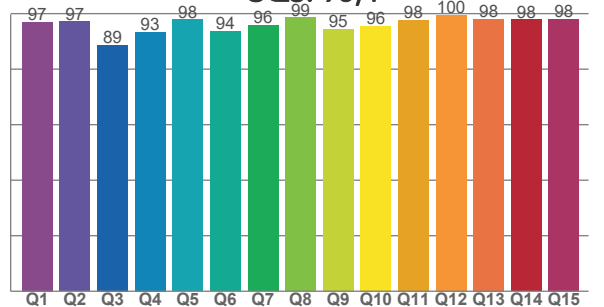
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,6	97,0	95,3	95,0	93,0	93,0	95,0	94,9	96,1	95,3	88,6	88,4	92,2	90,9	91,2	89,1

CQS Q values

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

CQS: 95,4



COLOR PARAMETERS

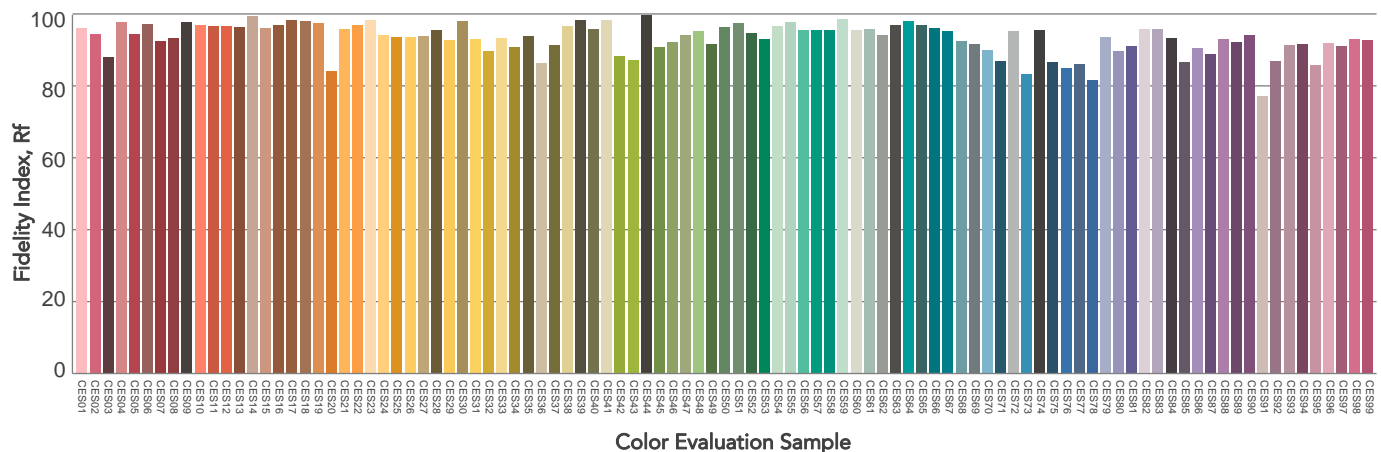
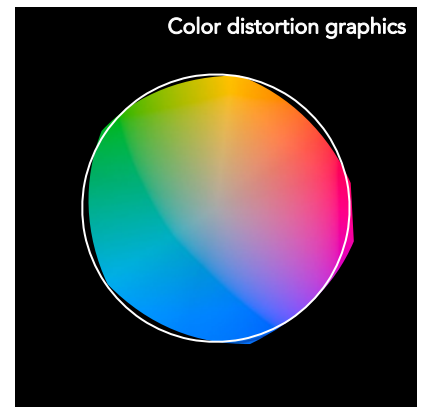
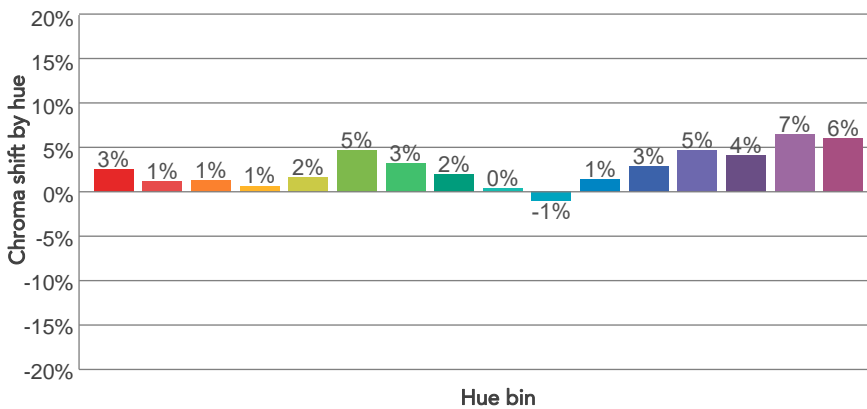
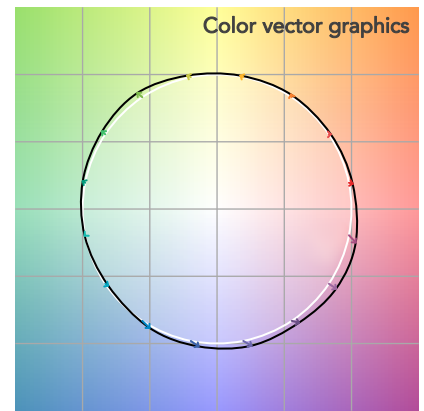
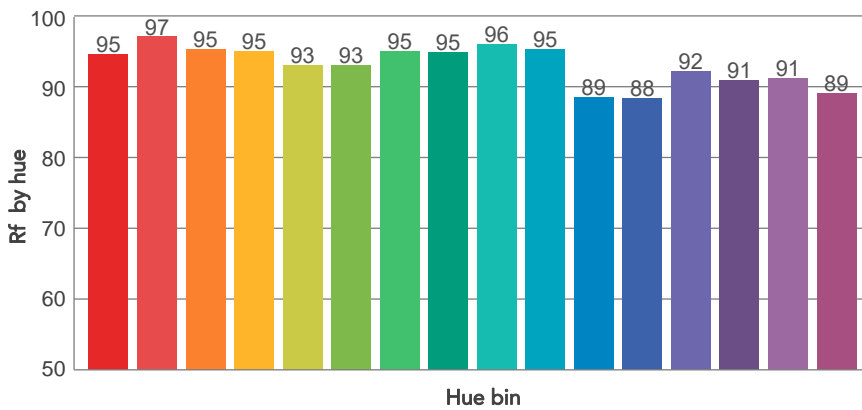
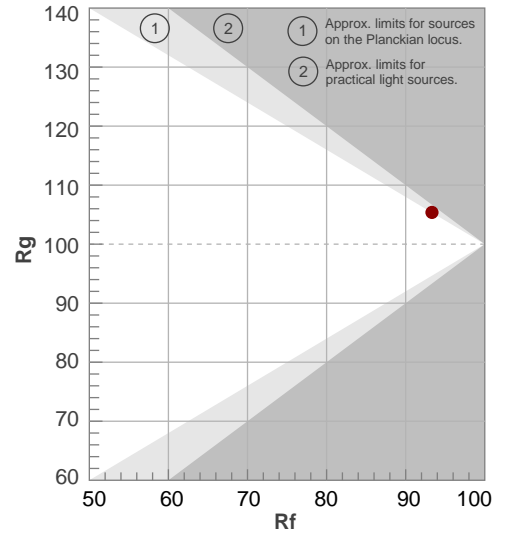
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4309 K	93,9	75,5	93,3	105,4	95,4	97	0,366	0,359	-0,0041

TM30 DETAILS

Rf 93,3
Fidelity index Rf

Rg 105,4
Gammut index

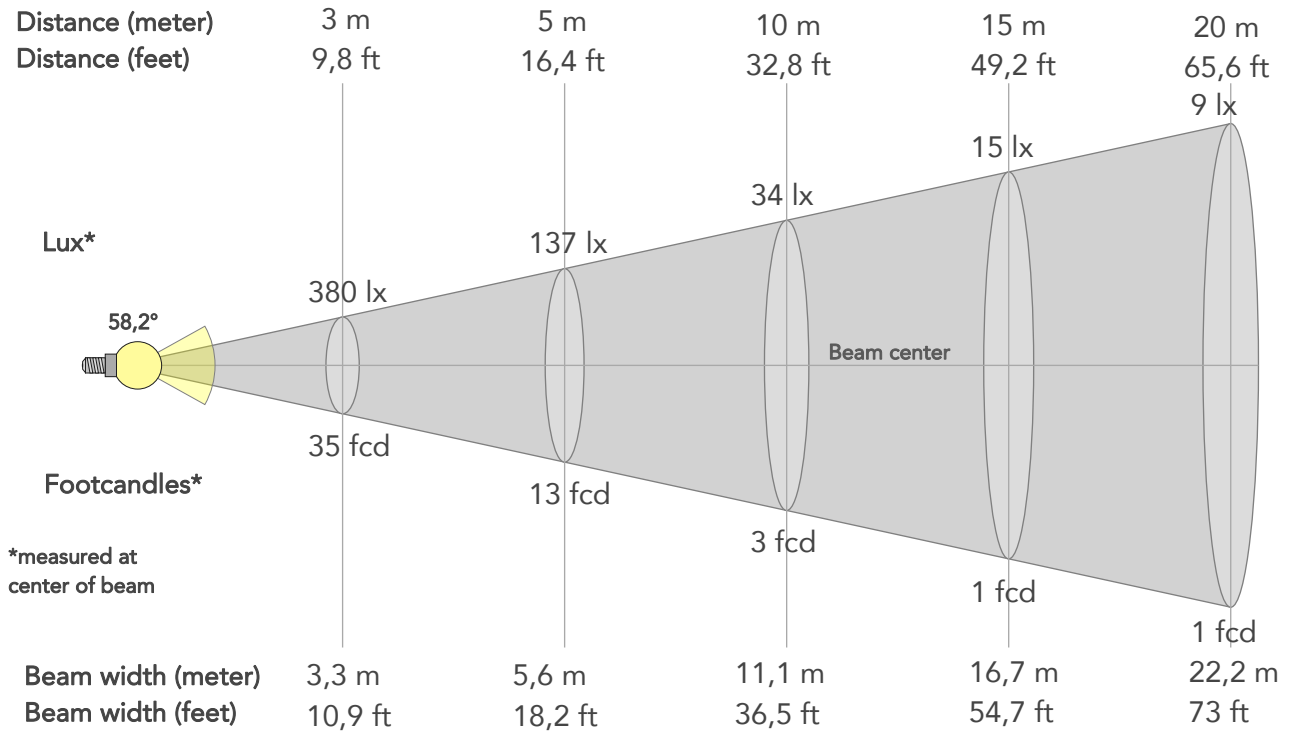
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	3%	-1%
2	97	1%	-1%
3	95	1%	2%
4	95	1%	2%
5	93	2%	2%
6	93	5%	1%
7	95	3%	0%
8	95	2%	-1%
9	96	0%	0%
10	95	-1%	2%
11	89	1%	7%
12	88	3%	6%
13	92	5%	5%
14	91	4%	4%
15	91	7%	0%
16	89	6%	-4%



BEAM DETAILS



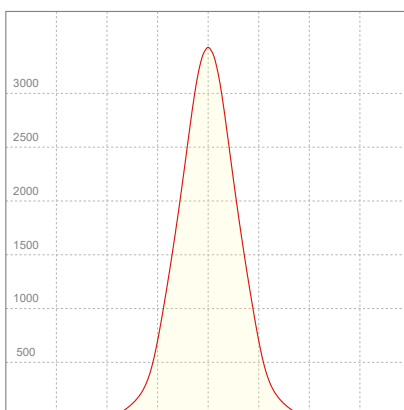
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,2°	107,3°	141,6°	94,3%	81,0%



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	3420lx	855lx	380lx	214lx	137lx	61lx	34lx	15lx	9lx	5lx	4lx	2lx	1lx
Footcand.	318fcd	79fcd	35fcd	20fcd	13fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,6m	8,3m	11,1m	16,7m	22,2m	27,8m	33,4m	44,5m	55,6m
Beam wid.	3,7ft	7,3ft	10,9ft	14,6ft	18,2ft	27,4ft	36,5ft	54,7ft	73ft	91,2ft	109,5ft	145,9ft	182,4ft

LINEAR DISTRIBUTION DIAGRAM

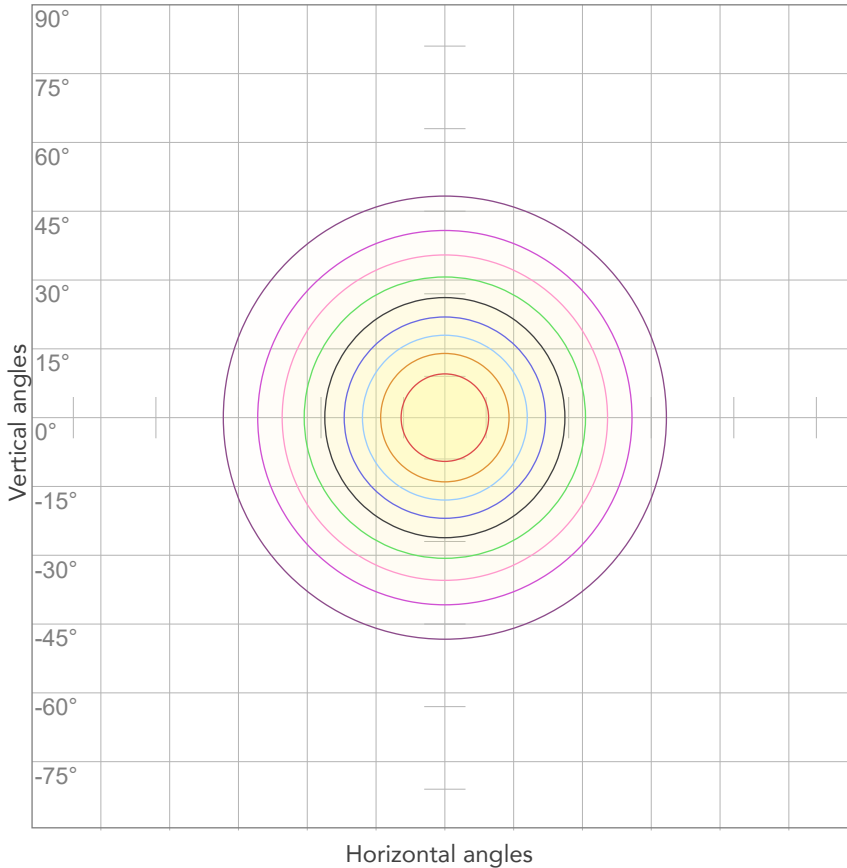


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,388A	80,9W	0,92	48lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



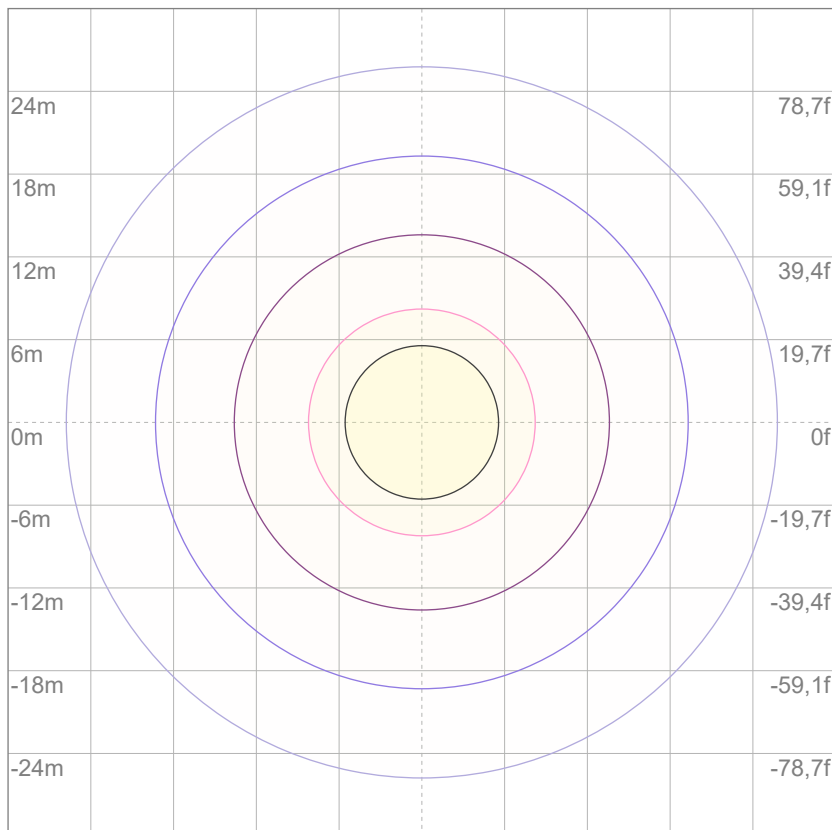
10%	342 cd
20%	684 cd
30%	1026 cd
40%	1368 cd
50%	1710 cd
60%	2052 cd
70%	2394 cd
80%	2736 cd

Conditions:

Number of c-planes: 2

Candela at center: 3420 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,03 lx
5%	1,71 lx
10%	3,42 lx
30%	10,3 lx
50%	17,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 34,2 lx

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



Total lumen output:

5867 lm

Peak candela output:

11834 cd

Light quality:

CRI: 94,0

Color temperature:

4269 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x60° Filter

Target:

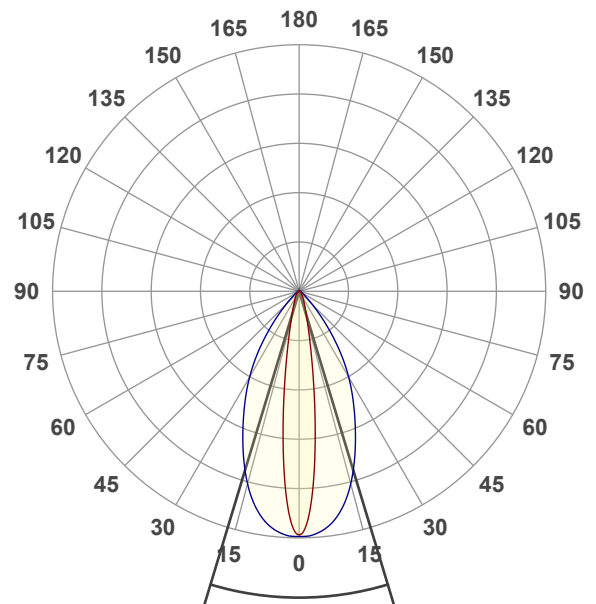
Full On

Operator:

Giacomo Matteo

Date and time:

22/02/2024 10:48:59

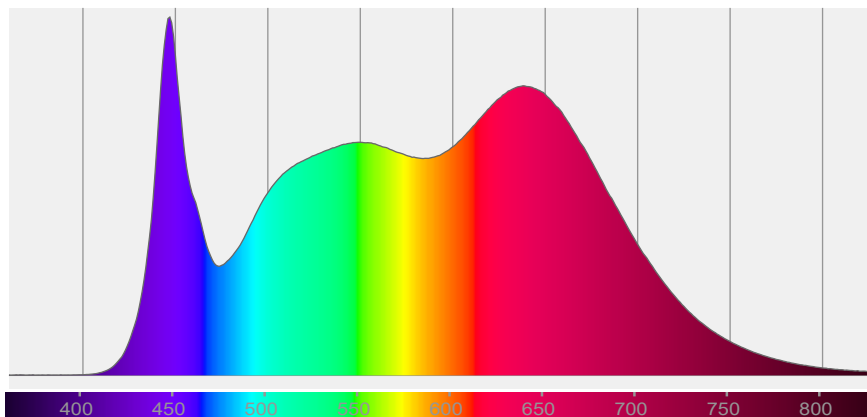


Beam angle 50%: 33,6°

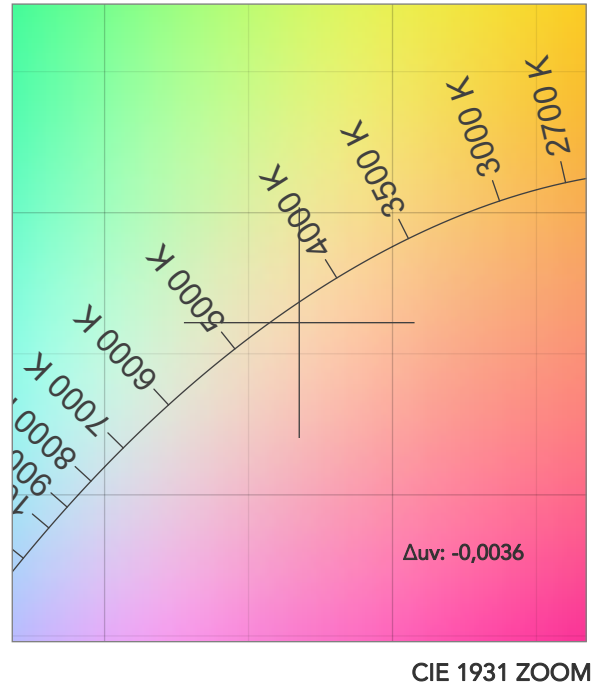
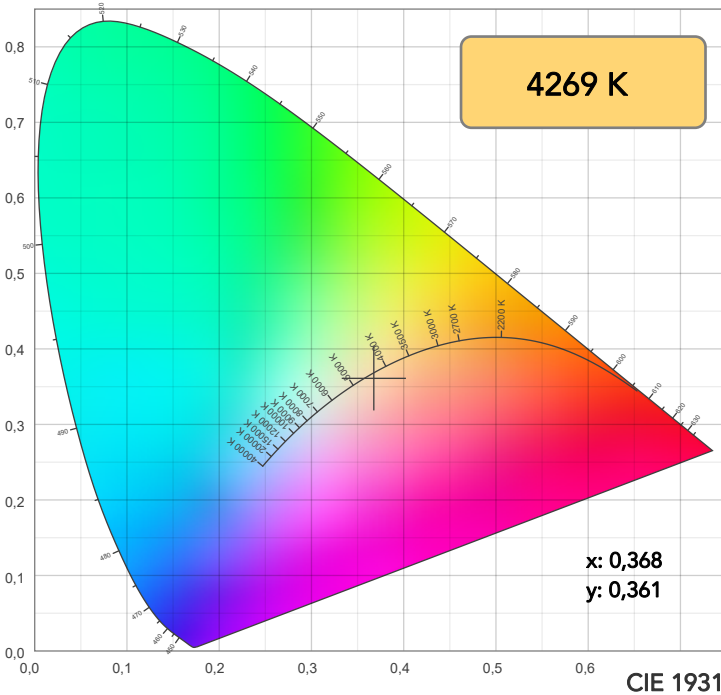
Field angle 10%: 60,2°

Cut off angle 2.5%: 88,1°

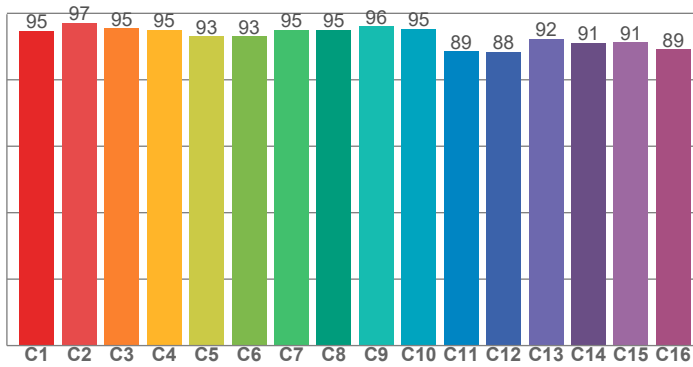
Spectra



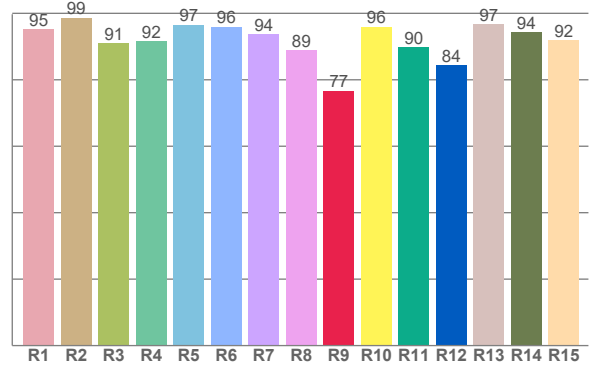
COLOR DETAILS



TM30: 93,4



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
95,1	98,7	90,9	91,7	96,6	96,0	93,7	89,0	76,7	96,0	89,7	84,4	96,6	94,3	91,9

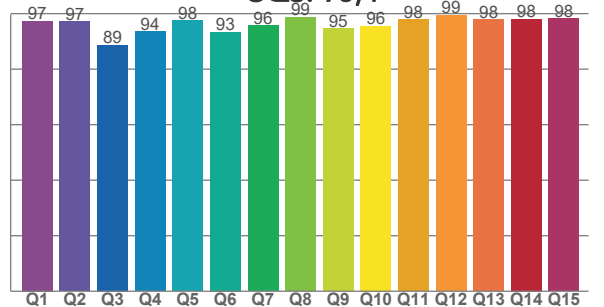
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 95,4



COLOR PARAMETERS

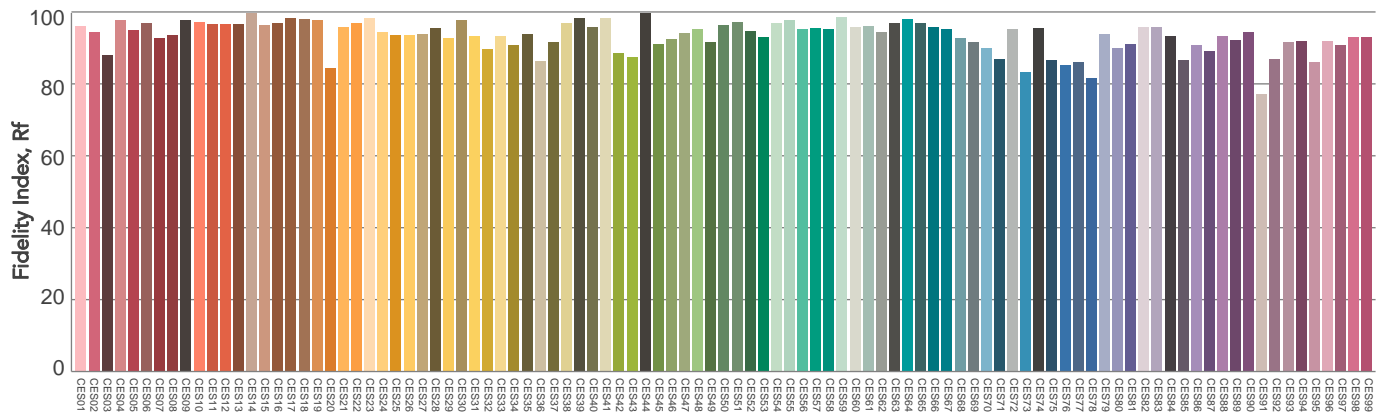
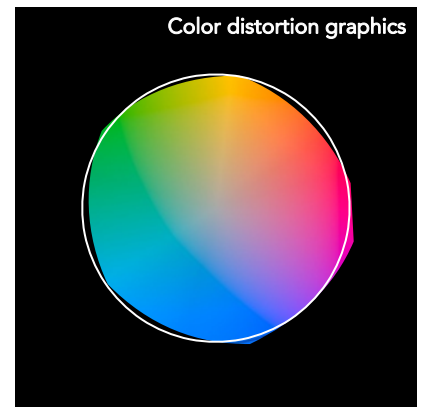
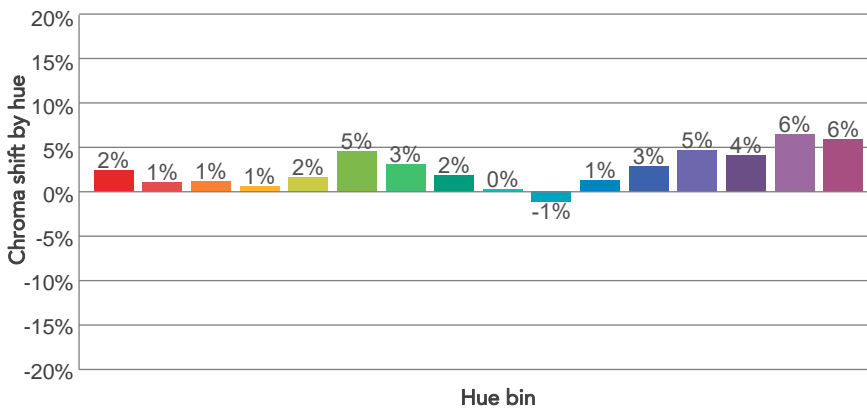
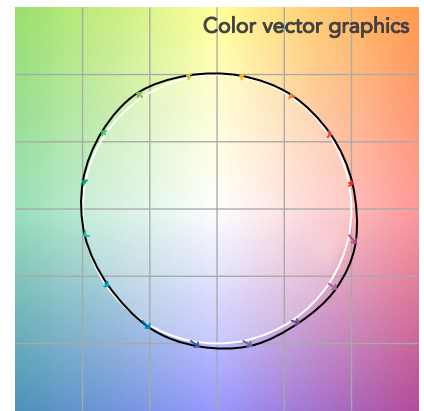
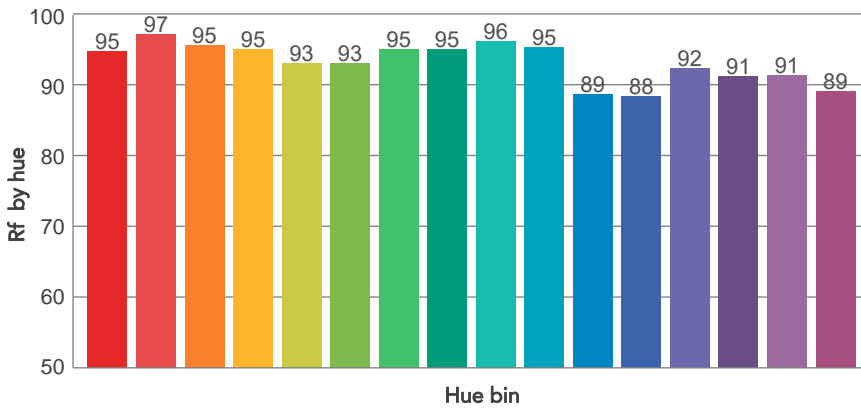
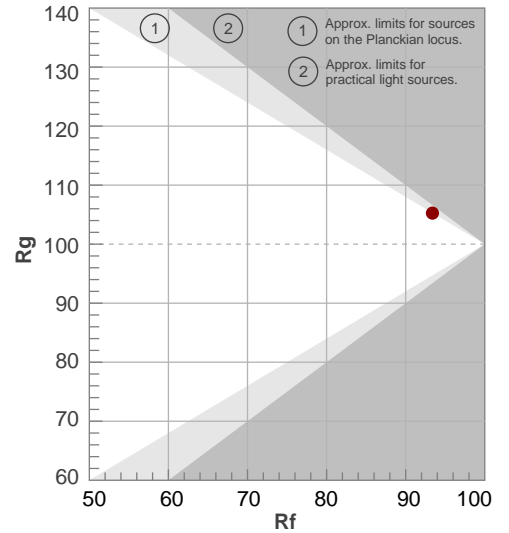
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4269 K	94,0	76,7	93,4	105,3	95,4	97	0,368	0,361	-0,0036

TM30 DETAILS

Rf 93,4
Fidelity index Rf

Rg 105,3
Gammut index

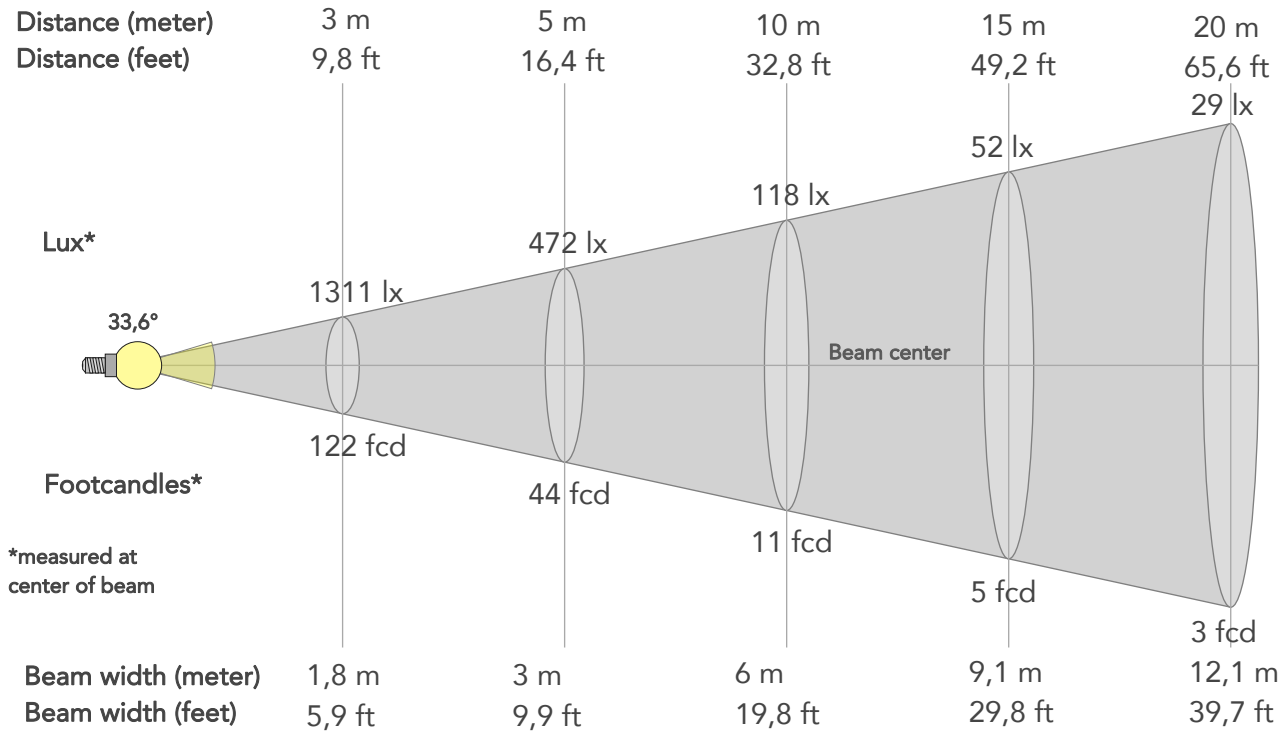
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	97	1%	-1%
3	95	1%	2%
4	95	1%	2%
5	93	2%	2%
6	93	5%	1%
7	95	3%	-1%
8	95	2%	-1%
9	96	0%	0%
10	95	-1%	2%
11	89	1%	7%
12	88	3%	6%
13	92	5%	5%
14	91	4%	4%
15	91	6%	0%
16	89	6%	-4%



BEAM DETAILS



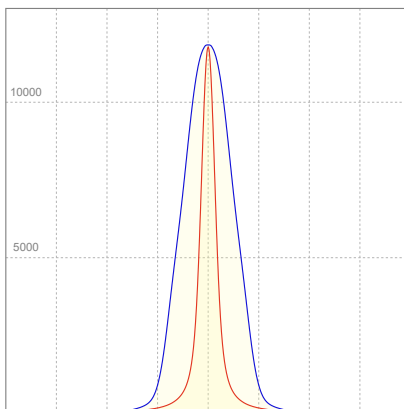
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,6°	60,2°	88,1°	97,2%	91,5%



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	11795lx	2949lx	1311lx	737lx	472lx	210lx	118lx	52lx	29lx	19lx	13lx	7lx	5lx
Footcand.	1096fcd	274fcd	122fcd	68fcd	44fcd	19fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9,1m	12,1m	15,1m	18,1m	24,2m	30,2m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,9ft	19,8ft	29,8ft	39,7ft	49,6ft	59,5ft	79,3ft	99,2ft

LINEAR DISTRIBUTION DIAGRAM

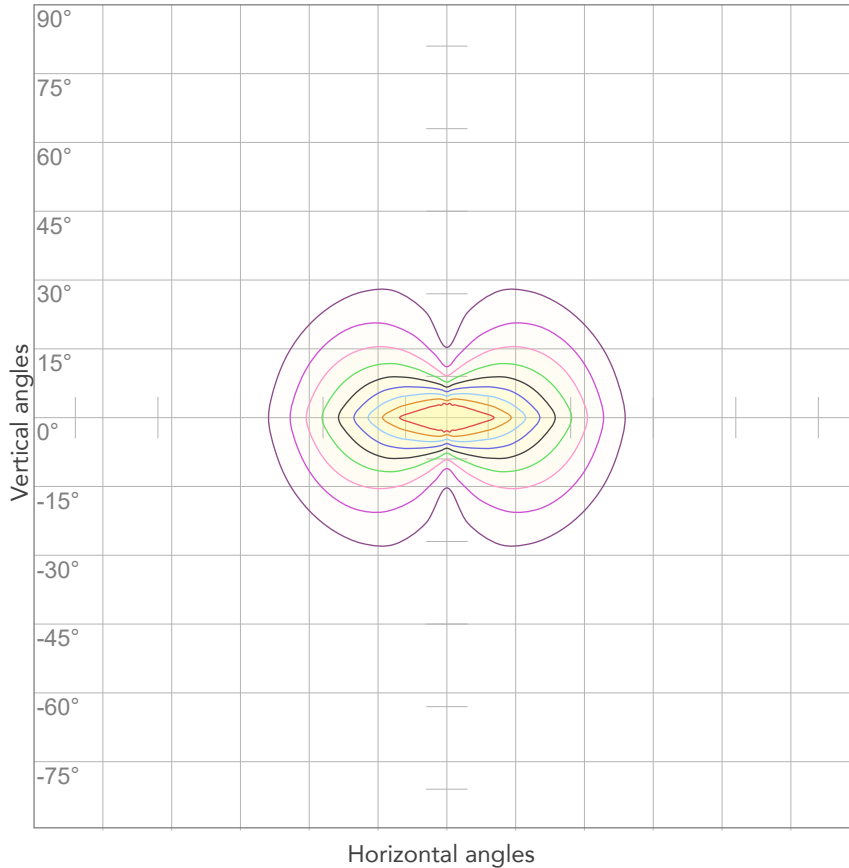


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,391A	81,2W	0,92	72lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



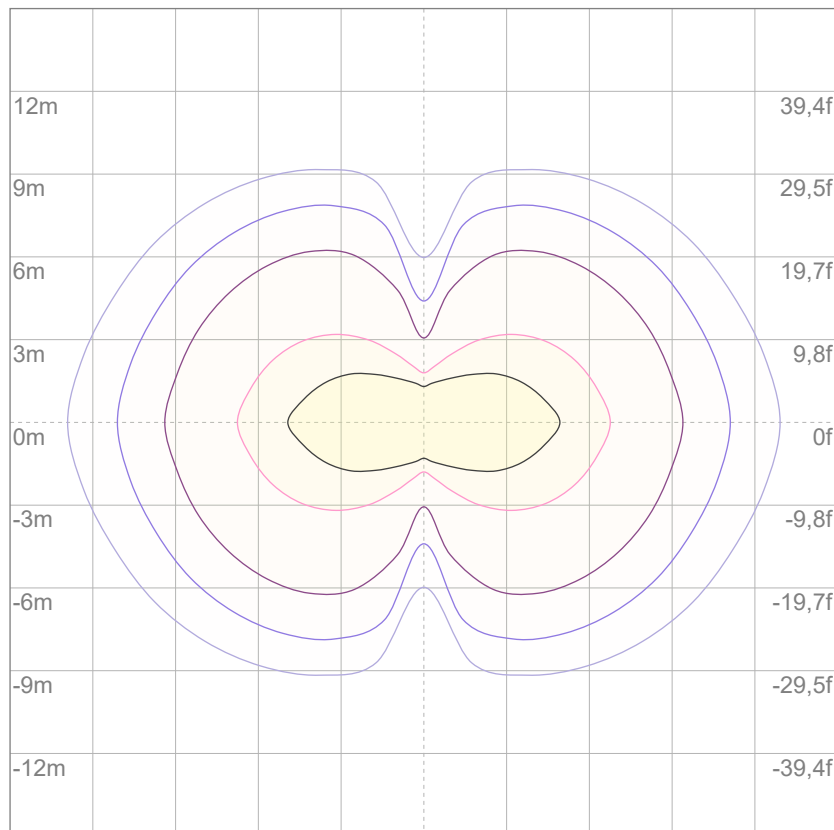
10%	1179 cd
20%	2359 cd
30%	3538 cd
40%	4718 cd
50%	5897 cd
60%	7077 cd
70%	8256 cd
80%	9436 cd

Conditions:

Number of c-planes: 4

Candela at center: 11795 cd

ISO LUX DIAGRAM



3%	3,54 lx
5%	5,90 lx
10%	11,8 lx
30%	35,4 lx
50%	59,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 118 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:

4291 lm

Peak candela output:

5925 cd

Light quality:

CRI: 93,7

Color temperature:

4284 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x60° Filter

Target:

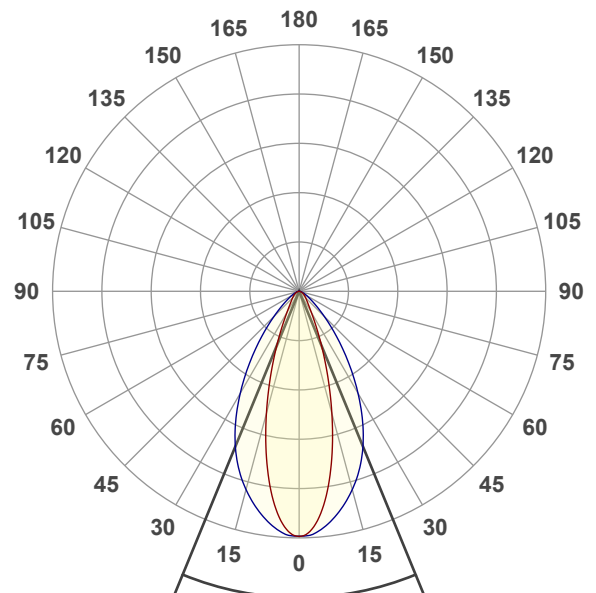
Full On

Operator:

Giacomo Matteo

Date and time:

22/02/2024 11:43:05

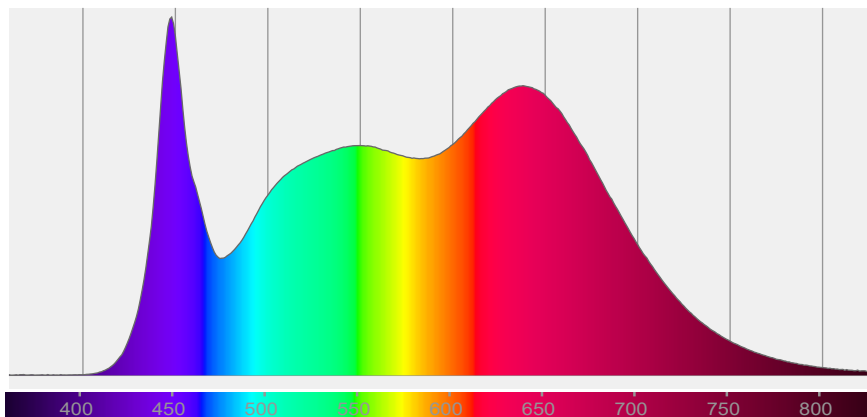


Beam angle 50%: 44,7°

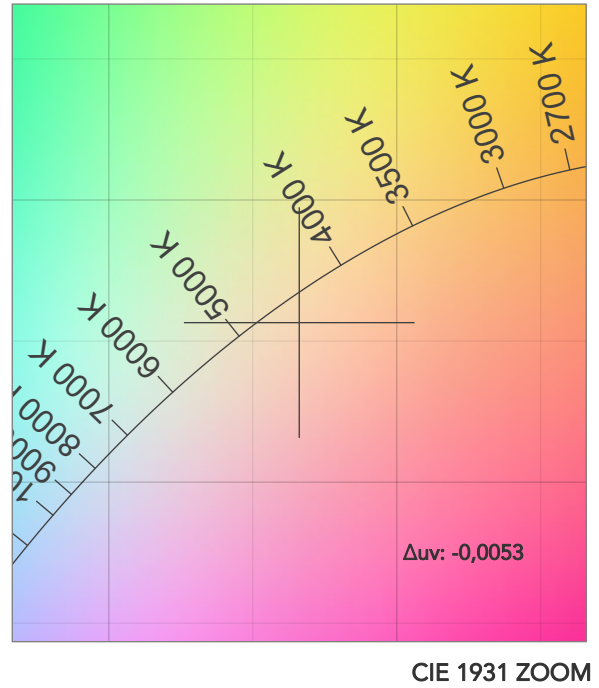
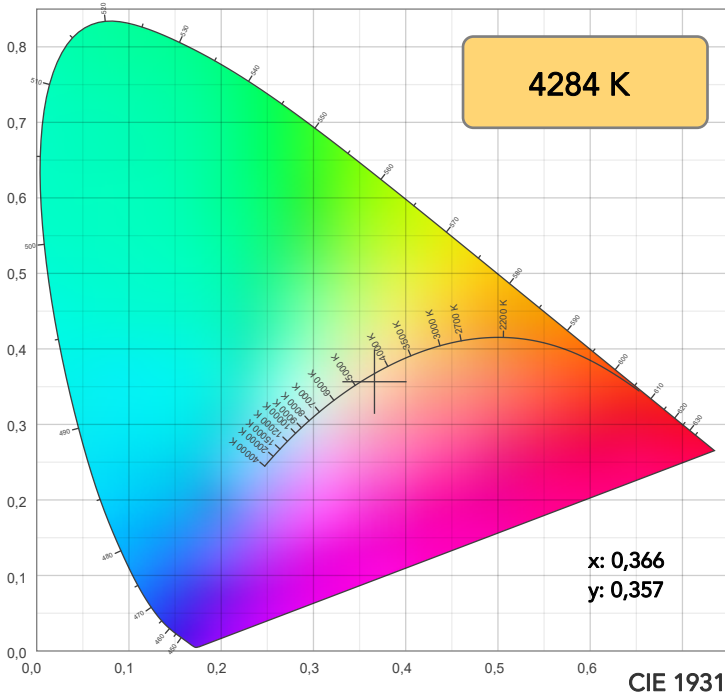
Field angle 10%: 78,9°

Cut off angle 2.5%: 118,5°

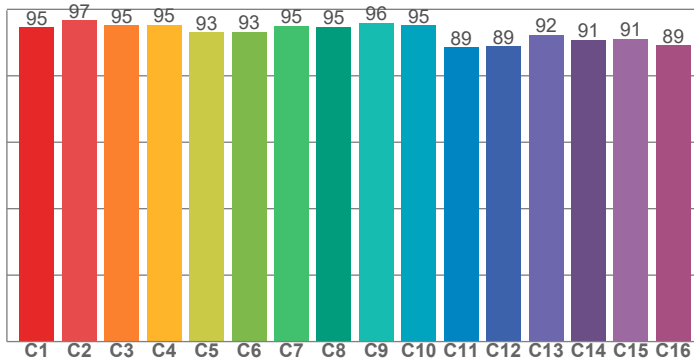
Spectra



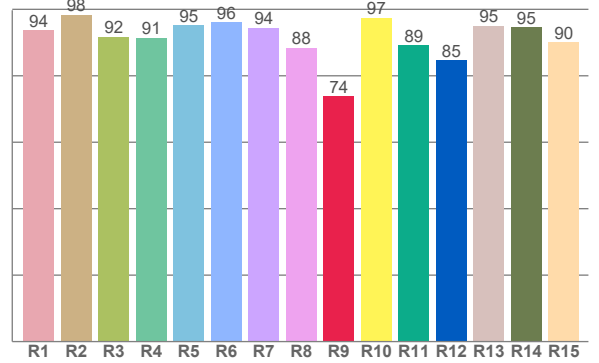
COLOR DETAILS



TM30: 93,3



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
93,7	98,4	91,7	91,5	95,3	96,2	94,5	88,4	73,8	97,4	89,2	84,7	95,0	94,6	90,1

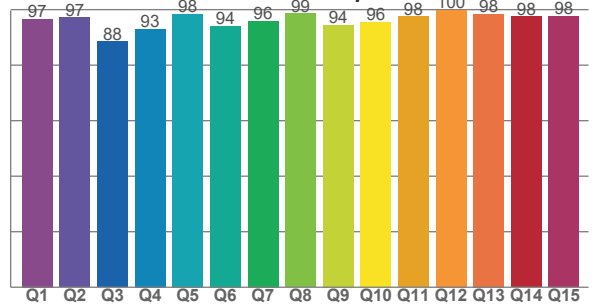
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,5	96,7	95,2	95,3	93,0	93,3	95,1	94,7	95,9	95,2	88,6	88,8	92,4	90,9	91,1	89,1

CQS Q values

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

CQS: 95,4



COLOR PARAMETERS

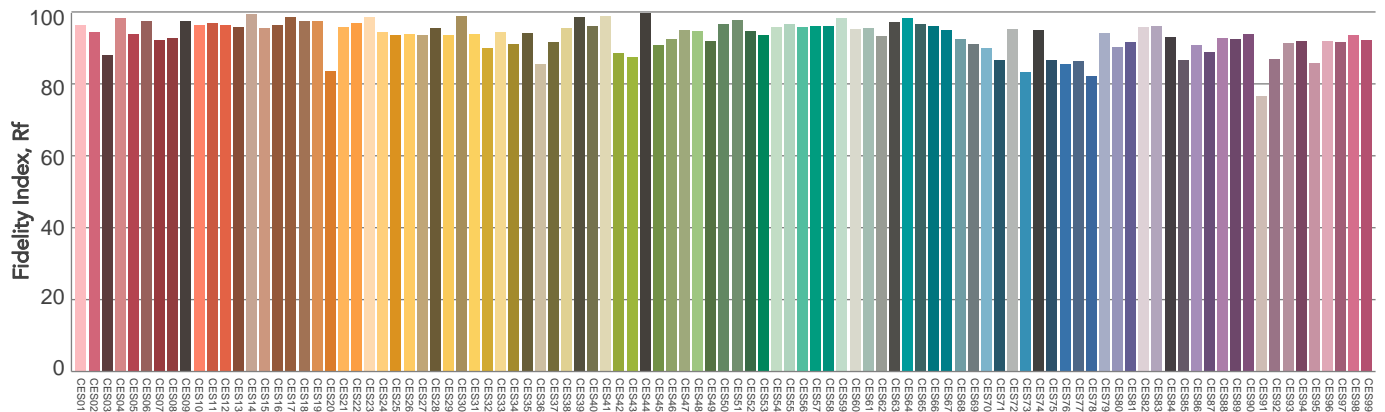
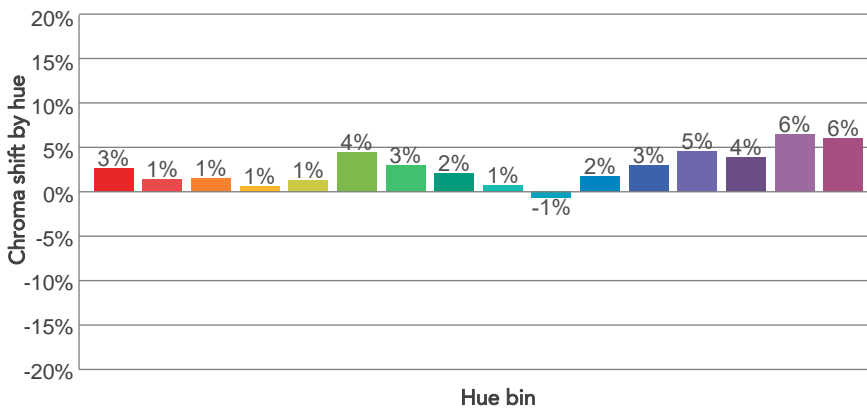
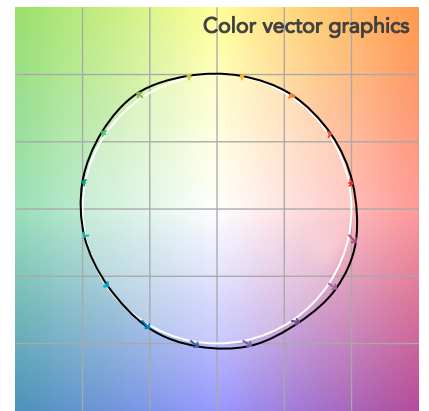
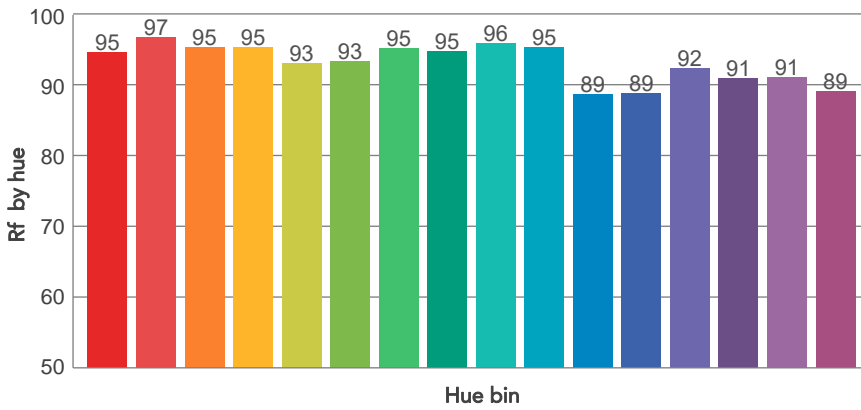
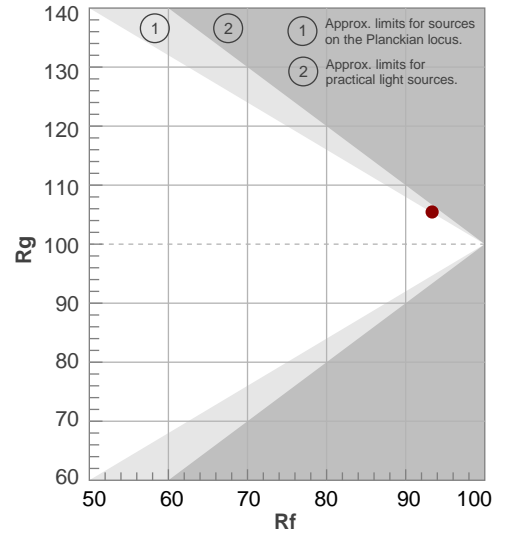
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4284 K	93,7	73,8	93,3	105,5	95,4	97	0,366	0,357	-0,0053

TM30 DETAILS

Rf 93,3
Fidelity index Rf

Rg 105,5
Gammut index

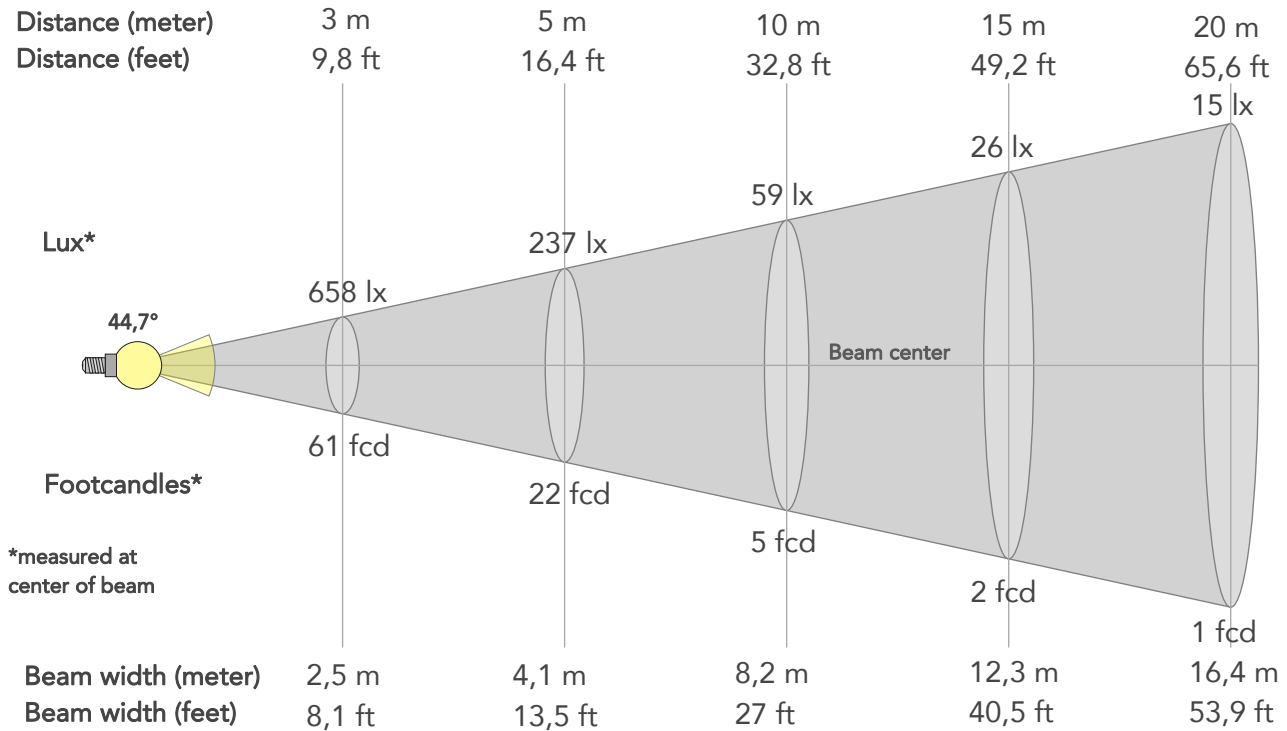
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	3%	-1%
2	97	1%	-1%
3	95	1%	1%
4	95	1%	2%
5	93	1%	2%
6	93	4%	1%
7	95	3%	0%
8	95	2%	0%
9	96	1%	1%
10	95	-1%	3%
11	89	2%	7%
12	89	3%	6%
13	92	5%	5%
14	91	4%	4%
15	91	6%	0%
16	89	6%	-4%



BEAM DETAILS



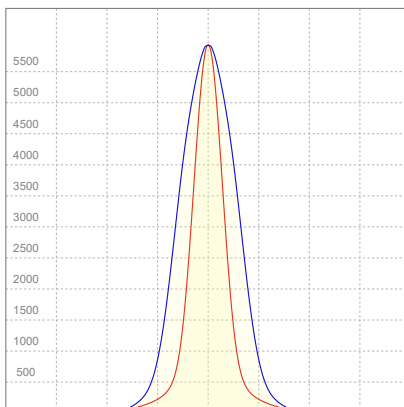
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,7°	78,9°	118,5°	95,8%	86,7%



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	5918lx	1480lx	658lx	370lx	237lx	105lx	59lx	26lx	15lx	9lx	7lx	4lx	2lx
Footcand.	550fcd	137fcd	61fcd	34fcd	22fcd	10fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,3m	16,4m	20,6m	24,7m	32,9m	41,1m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,2ft	27ft	40,5ft	53,9ft	67,4ft	80,9ft	107,9ft	134,8ft

LINEAR DISTRIBUTION DIAGRAM

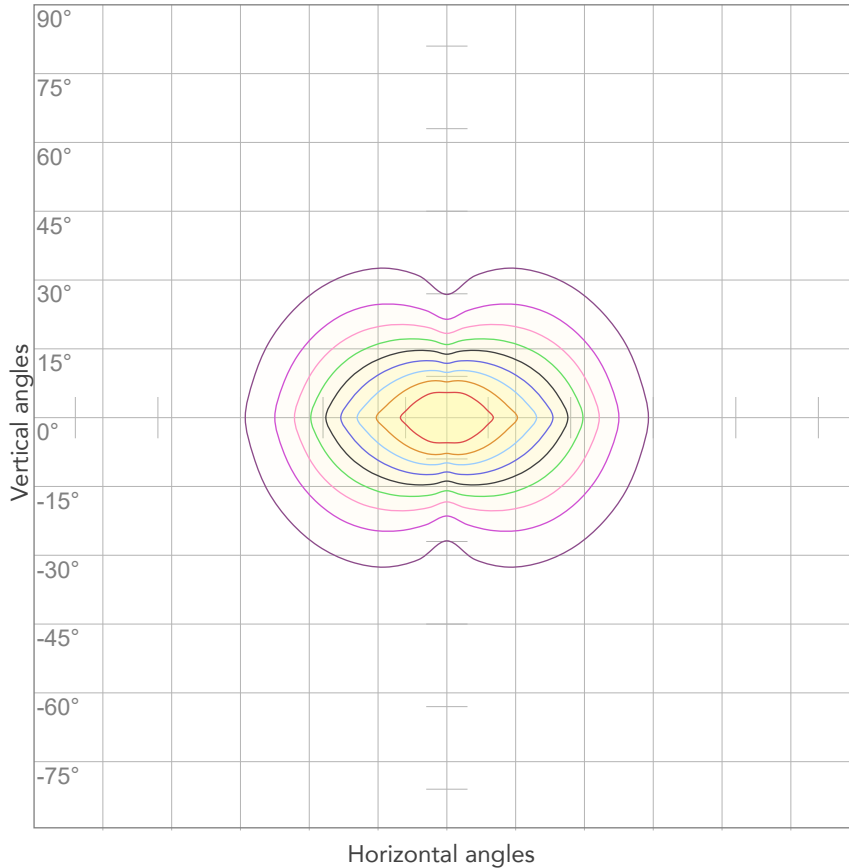


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,385A	80,1W	0,92	54lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



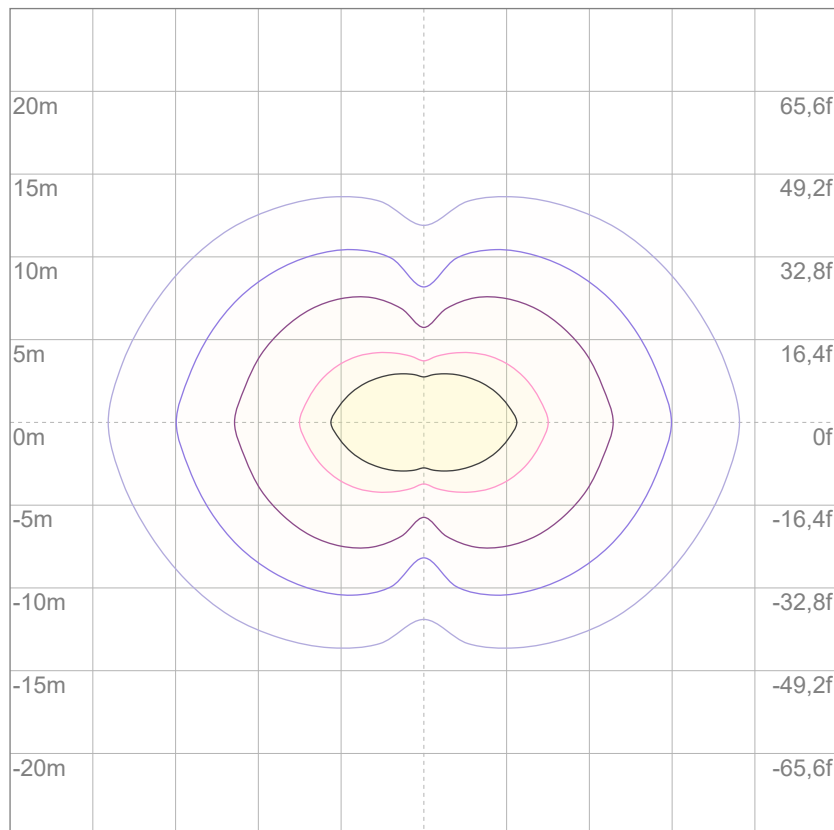
10%	592 cd
20%	1184 cd
30%	1776 cd
40%	2367 cd
50%	2959 cd
60%	3551 cd
70%	4143 cd
80%	4735 cd

Conditions:

Number of c-planes: 4

Candela at center: 5918 cd

ISO LUX DIAGRAM



3%	1,78 lx
5%	2,96 lx
10%	5,92 lx
30%	17,8 lx
50%	29,6 lx

Conditions:

Number of c-planes: 4

Lux at center: 59,2 lx

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



Total lumen output:

3004 lm

Peak candela output:

56995 cd

Light quality:

CRI: 96,4

Color temperature:

2592 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

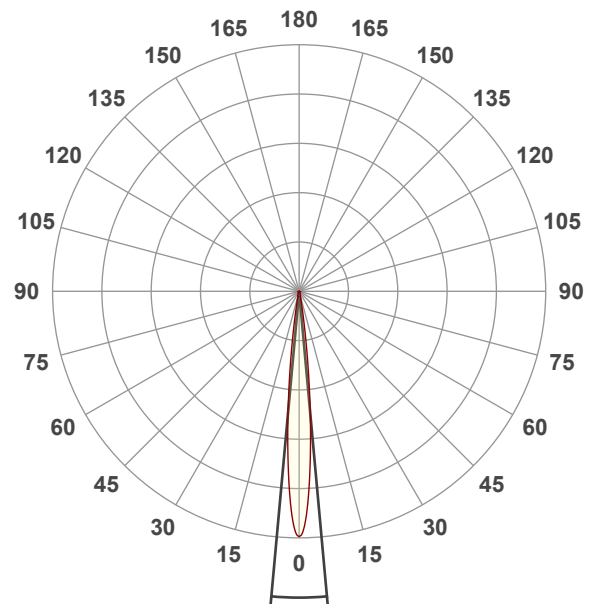
Warm White

Operator:

Giacomo Matteo

Date and time:

21/02/2024 15:32:37

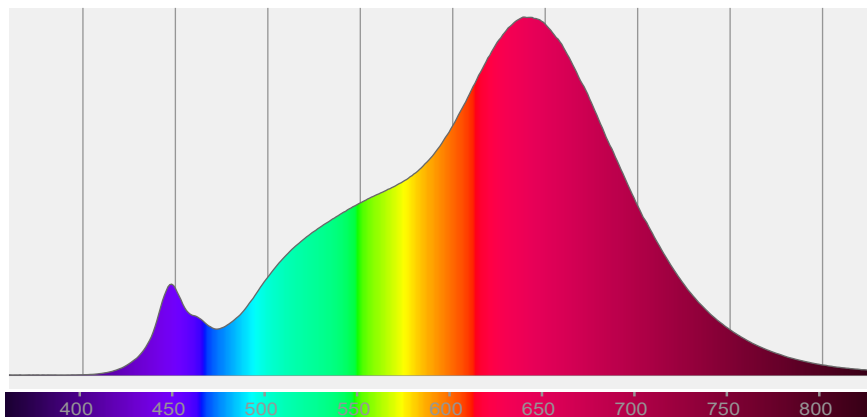


Beam angle 50%: 10,4°

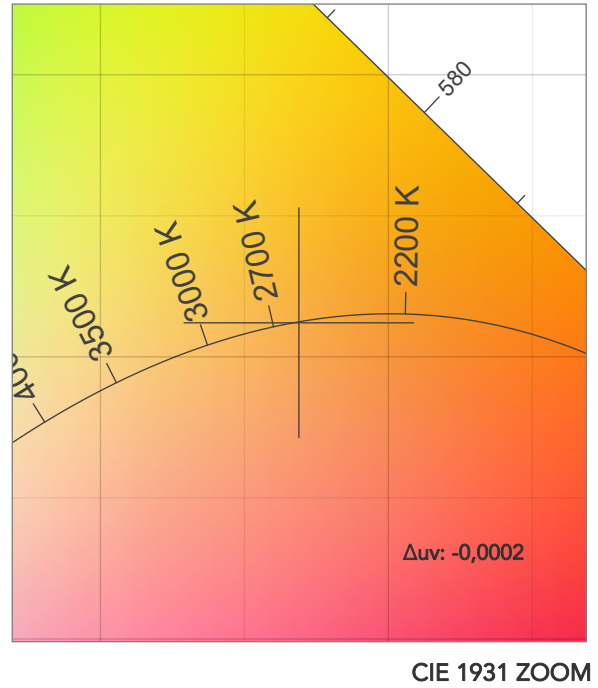
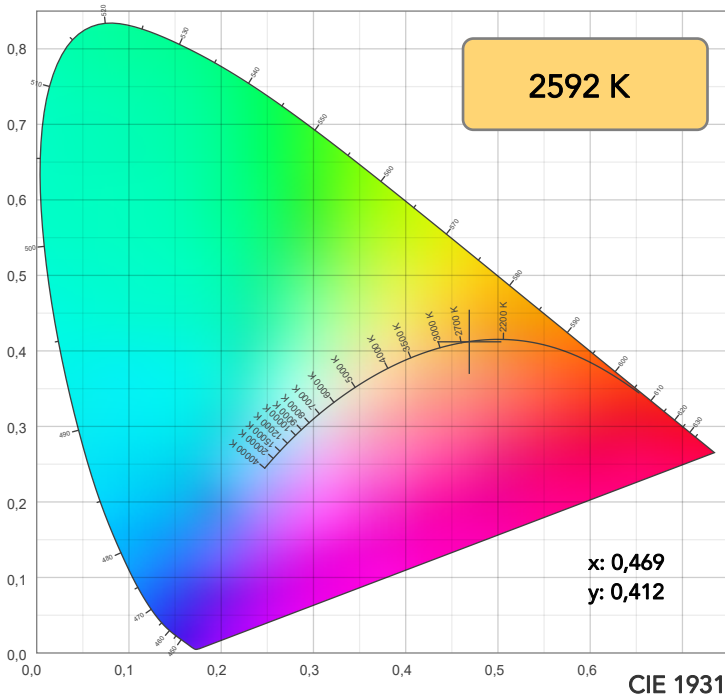
Field angle 10%: 18,8°

Cut off angle 2.5%: 27,2°

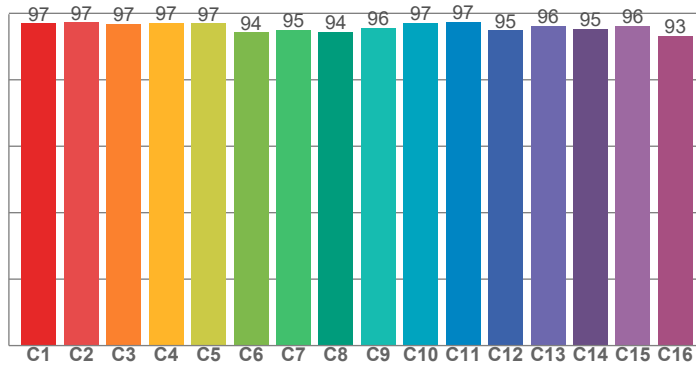
Spectra



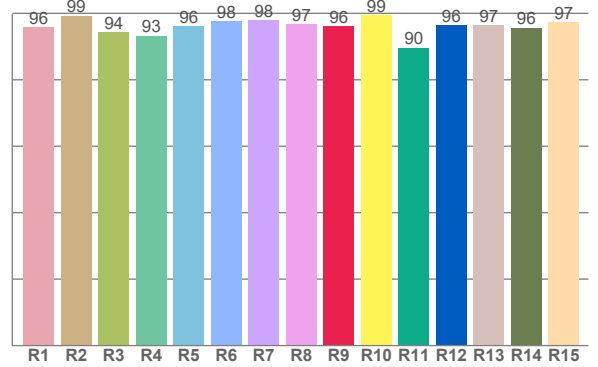
COLOR DETAILS



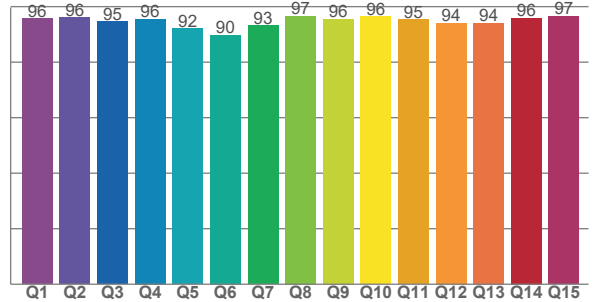
TM30: 96,2



CRI: 96,4 (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
95,9	99,3	94,4	93,2	96,0	97,5	98,0	96,8	96,2	99,5	89,7	96,3	96,5	95,6	97,3

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
96,9	97,2	96,8	97,1	96,9	94,2	95,0	94,4	95,5	97,2	97,4	94,9	96,2	95,4	96,2	93,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,7	96,1	94,7	95,6	92,1	89,8	93,2	96,6	95,5	96,5	95,3	94,1	94,2	95,9	96,5

COLOR PARAMETERS

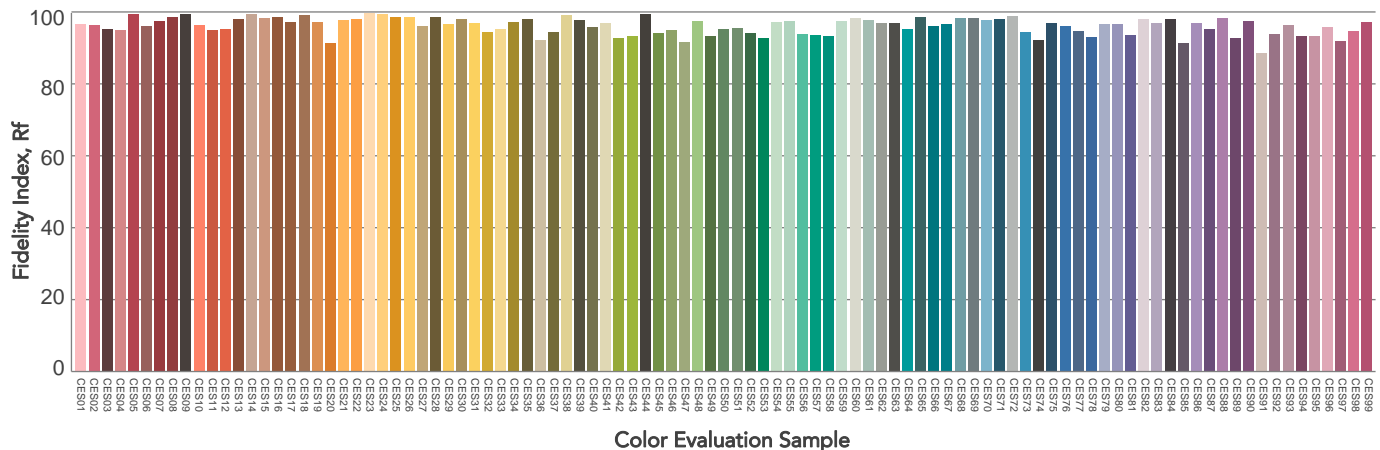
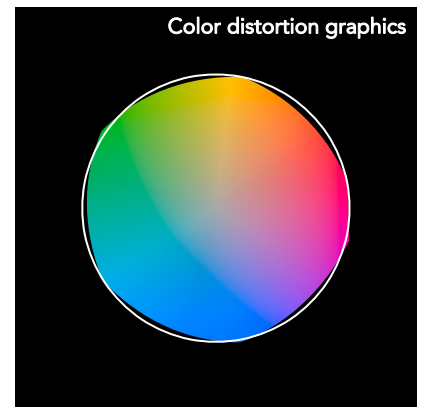
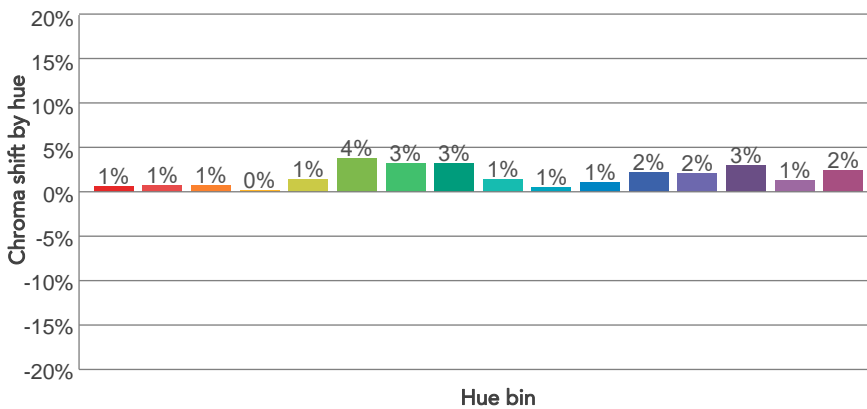
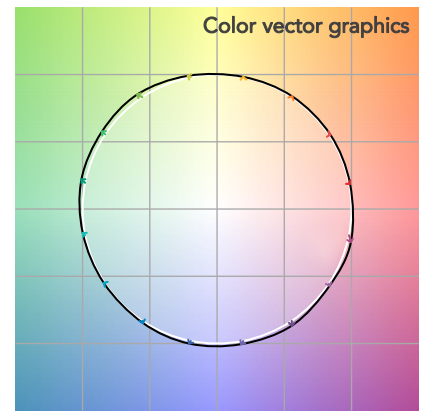
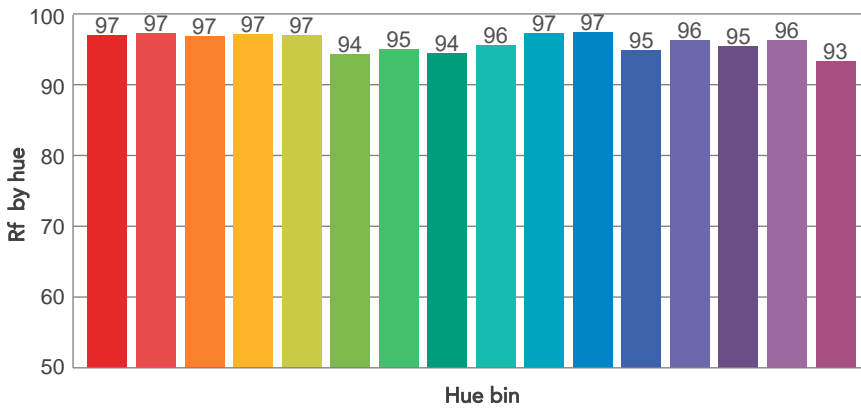
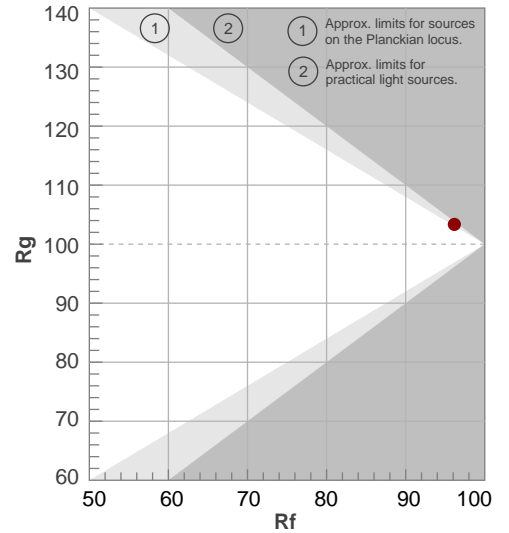
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2592 K	96,4	96,2	96,2	103,3	94,2	98	0,469	0,412	-0,0002

TM30 DETAILS

Rf 96,2
Fidelity index Rf

Rg 103,3
Gammut index

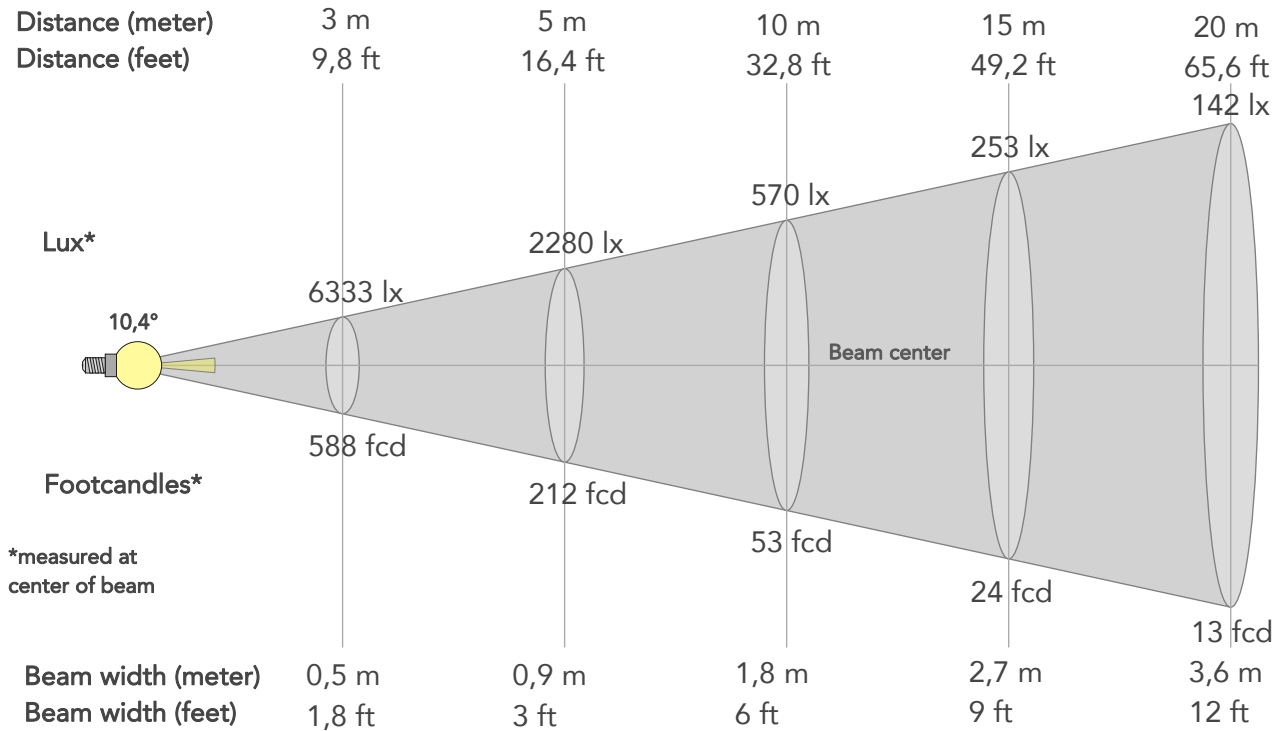
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	1%	0%
4	97	0%	0%
5	97	1%	2%
6	94	4%	2%
7	95	3%	0%
8	94	3%	-2%
9	96	1%	-2%
10	97	1%	-1%
11	97	1%	1%
12	95	2%	-1%
13	96	2%	-2%
14	95	3%	-2%
15	96	1%	-1%
16	93	2%	-5%



BEAM DETAILS



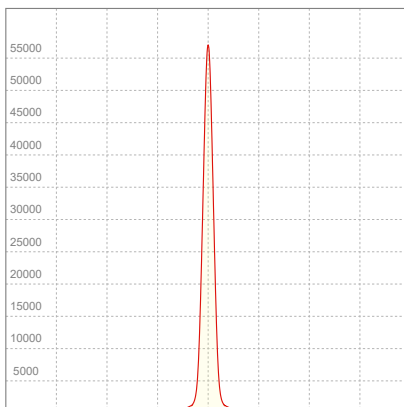
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,4°	18,8°	27,2°	96,3%	92,3%



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	56995lx	14249lx	6333lx	3562lx	2280lx	1013lx	570lx	253lx	142lx	91lx	63lx	36lx	23lx
Footcand.	5295fcd	1324fcd	588fcd	331fcd	212fcd	94fcd	53fcd	24fcd	13fcd	8fcd	6fcd	3fcd	2fcd
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

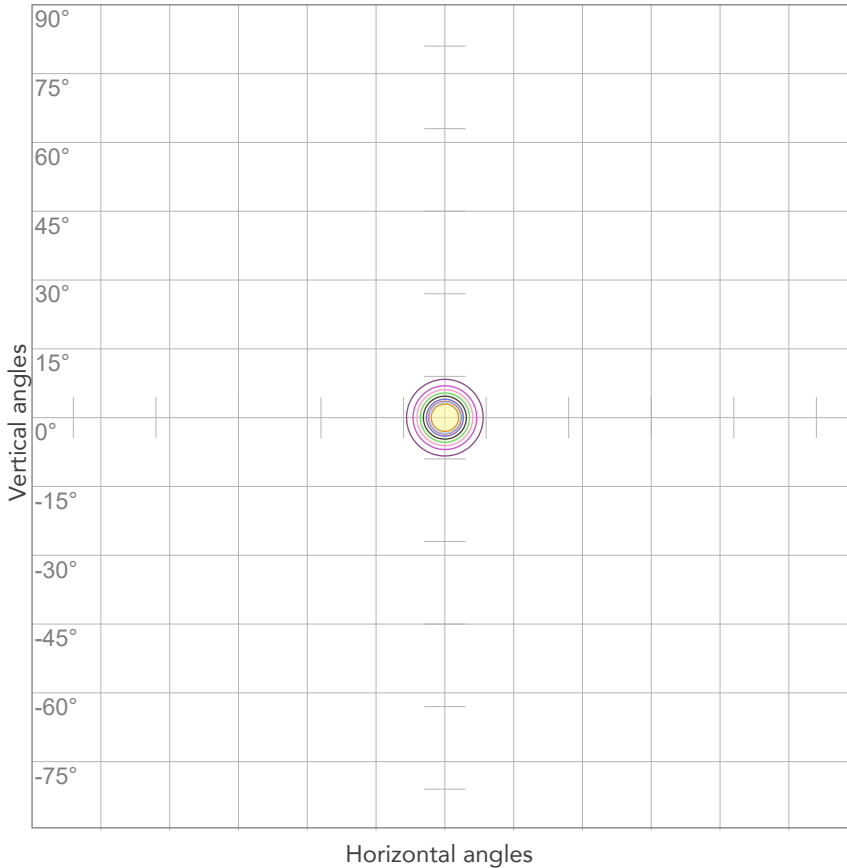


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,328A	67,7W	0,92	44lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



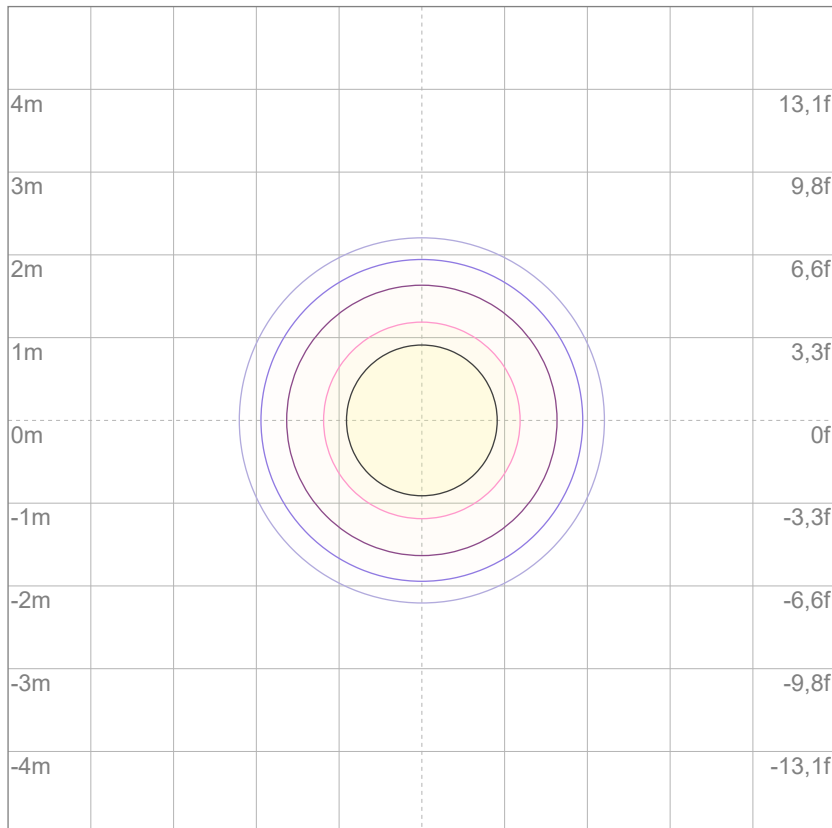
10%	5699 cd
20%	11399 cd
30%	17098 cd
40%	22798 cd
50%	28497 cd
60%	34197 cd
70%	39896 cd
80%	45596 cd

Conditions:

Number of c-planes: 2

Candela at center: 56995 cd

ISO LUX DIAGRAM



3%	17,1 lx
5%	28,5 lx
10%	57,0 lx
30%	171 lx
50%	285 lx

Conditions:

Number of c-planes: 2

Lux at center: 570 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:

2801 lm

Peak candela output:

10723 cd

Light quality:

CRI: 96,4

Color temperature:

2589 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

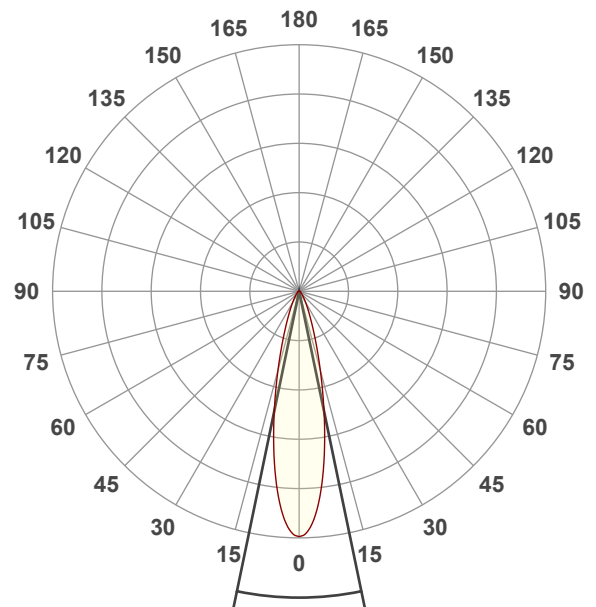
Warm White

Operator:

Giacomo Matteo

Date and time:

21/02/2024 16:02:40

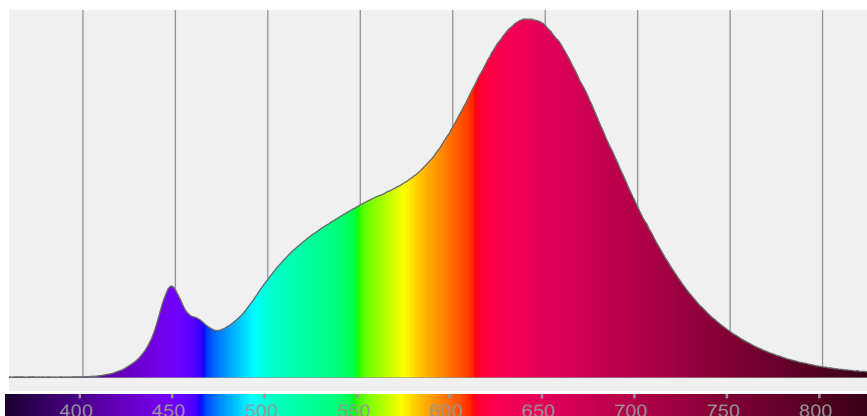


Beam angle 50%: 23,4°

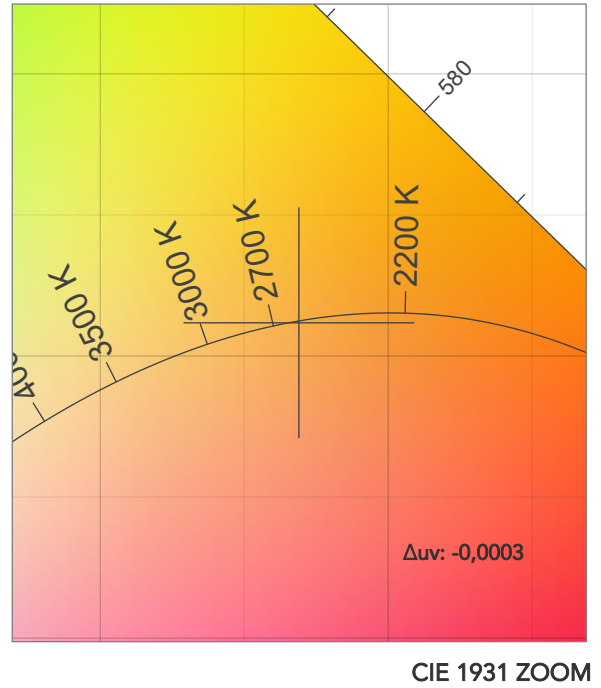
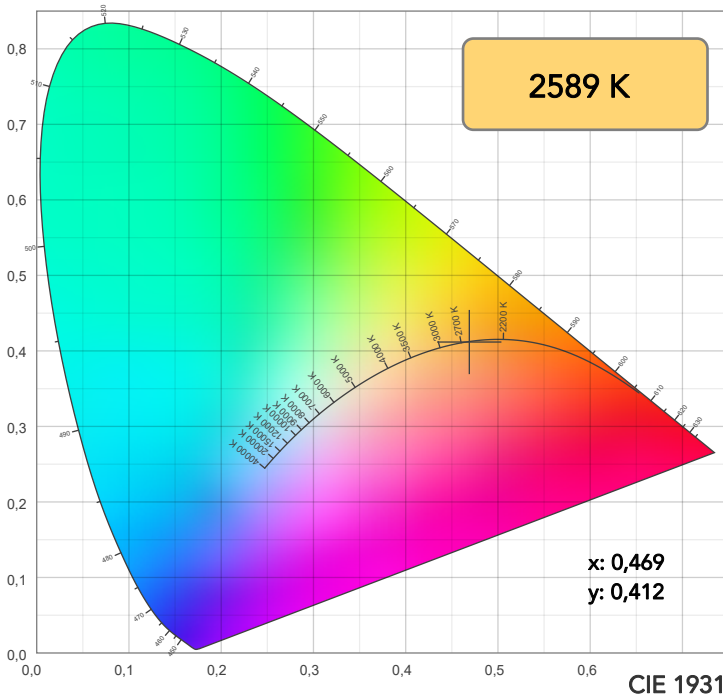
Field angle 10%: 48,5°

Cut off angle 2.5%: 76,5°

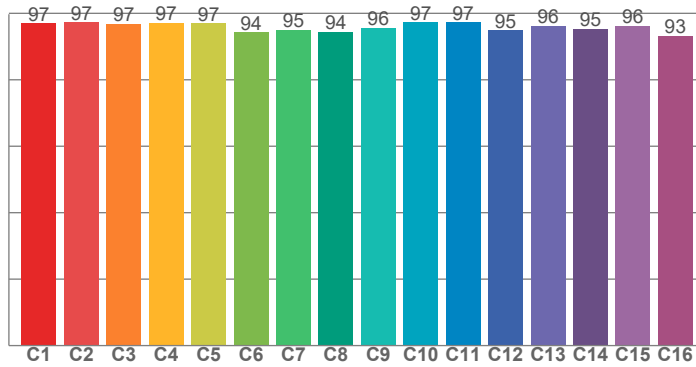
Spectra



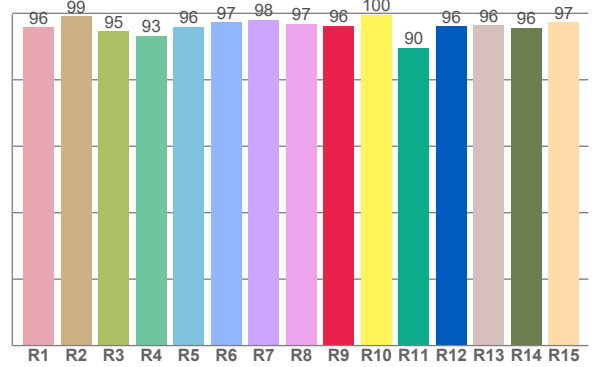
COLOR DETAILS



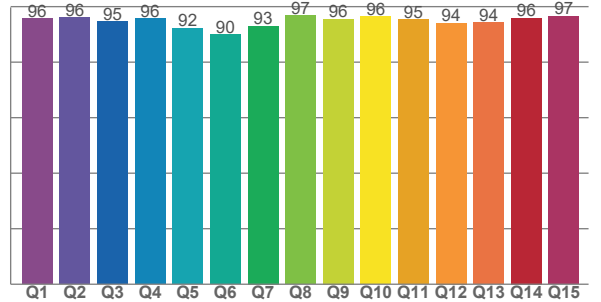
TM30: 96,1



CRI: 96,4 (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
95,9	99,2	94,5	93,2	96,0	97,4	98,0	96,8	96,2	99,6	89,7	96,2	96,4	95,7	97,3

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
97,0	97,2	96,8	97,1	96,9	94,2	95,0	94,4	95,6	97,3	97,2	94,9	96,2	95,3	96,2	93,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,7	96,1	94,6	95,7	92,2	89,9	93,0	96,7	95,6	96,4	95,4	94,2	94,3	95,9	96,5

COLOR PARAMETERS

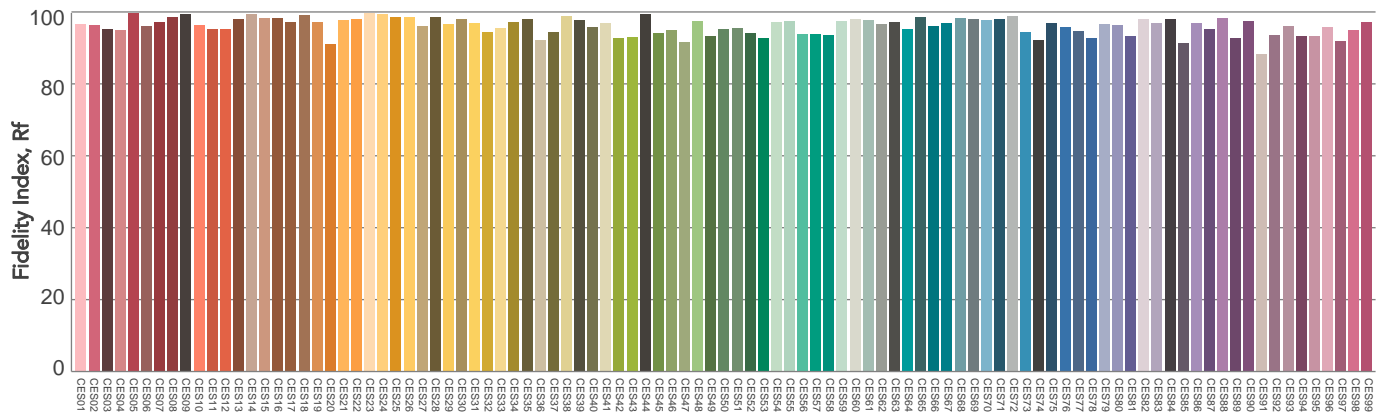
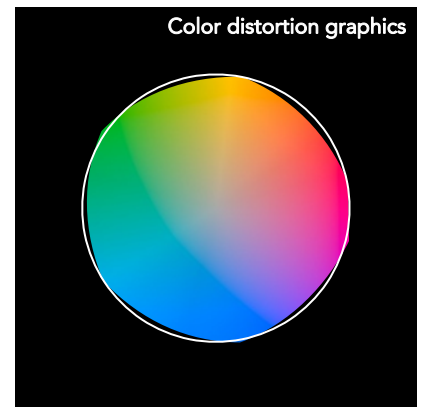
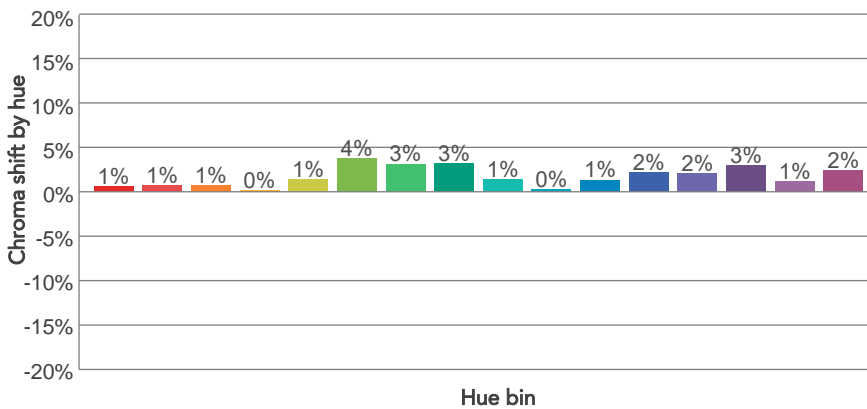
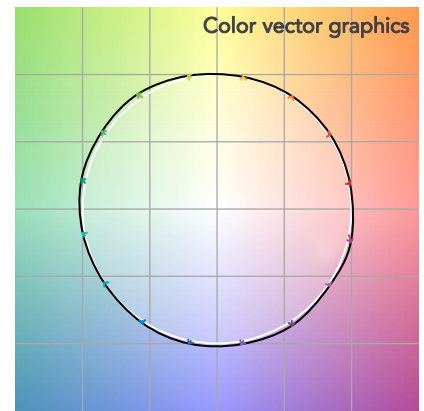
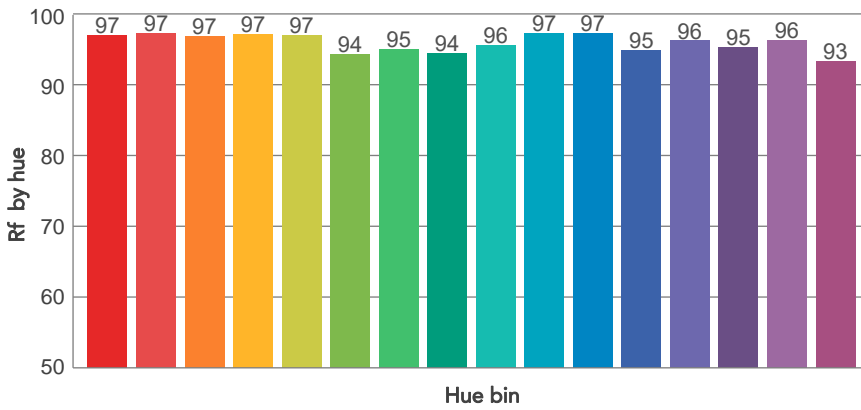
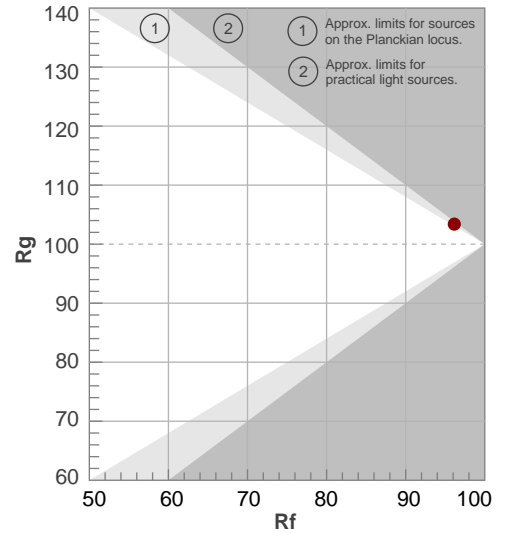
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2589 K	96,4	96,2	96,1	103,4	94,2	98	0,469	0,412	-0,0003

TM30 DETAILS

Rf 96,1
Fidelity index Rf

Rg 103,4
Gammut index

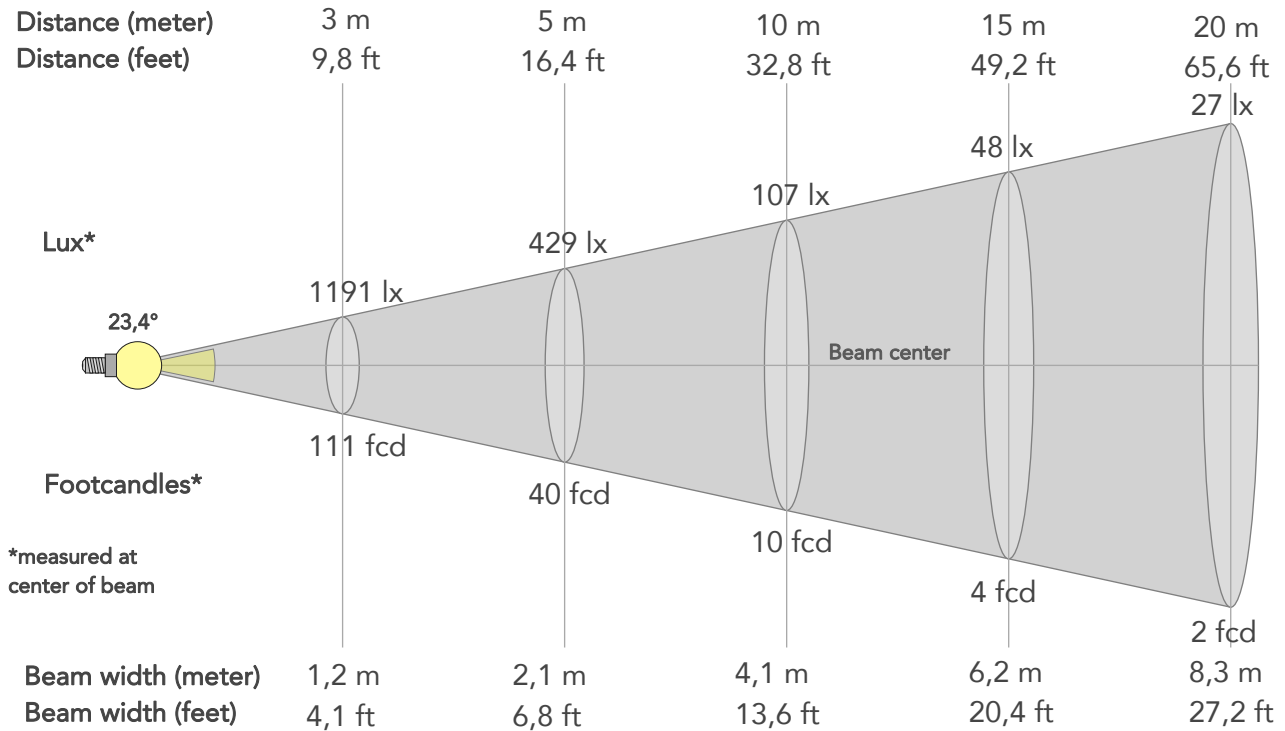
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	1%	0%
4	97	0%	0%
5	97	1%	2%
6	94	4%	2%
7	95	3%	0%
8	94	3%	-2%
9	96	1%	-2%
10	97	0%	-1%
11	97	1%	1%
12	95	2%	-1%
13	96	2%	-2%
14	95	3%	-2%
15	96	1%	-1%
16	93	2%	-5%



BEAM DETAILS



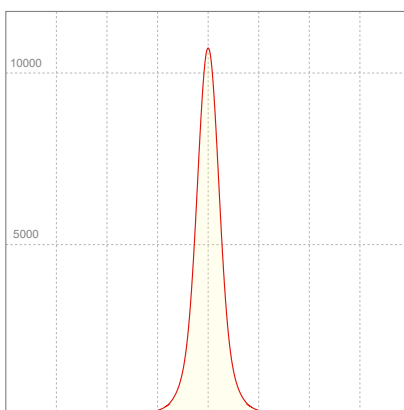
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	48,5°	76,5°	97,0%	91,8%



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	10723lx	2681lx	1191lx	670lx	429lx	191lx	107lx	48lx	27lx	17lx	12lx	7lx	4lx
Footcand.	996fcd	249fcd	111fcd	62fcd	40fcd	18fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,4m	12,4m	16,6m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34ft	40,8ft	54,4ft	68,1ft

LINEAR DISTRIBUTION DIAGRAM

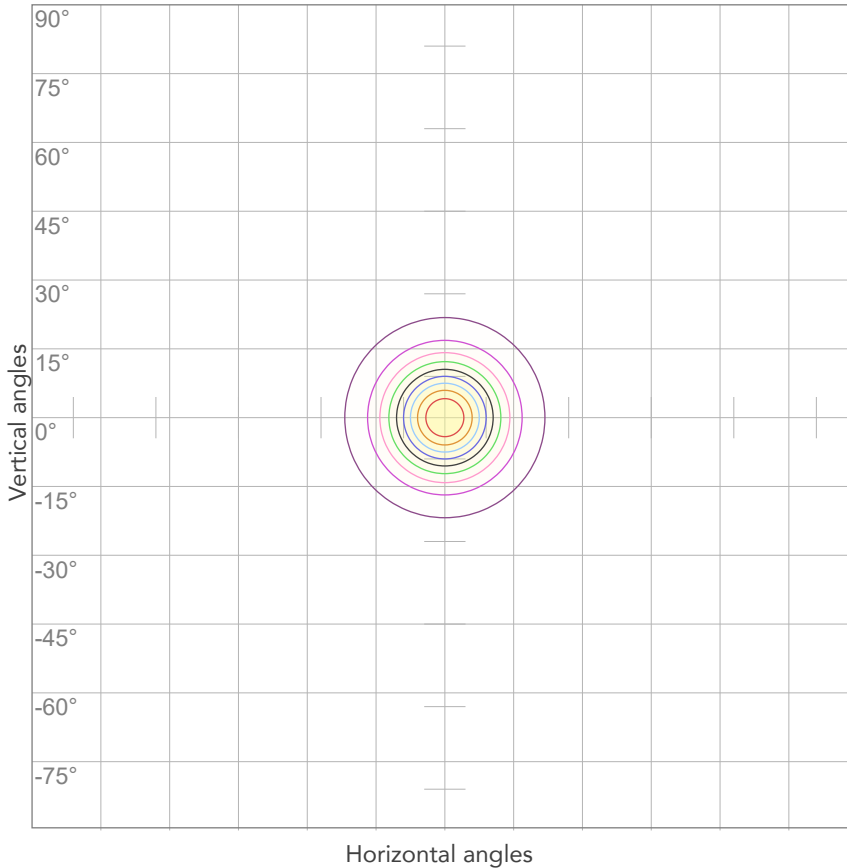


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,328A	67,7W	0,91	41lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



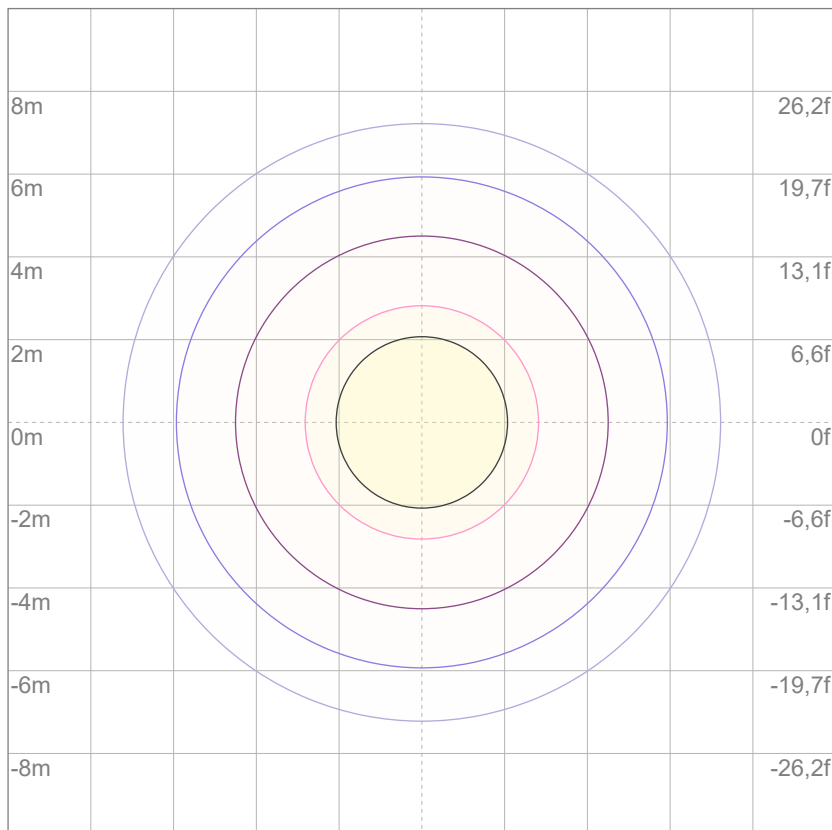
10%	1072 cd
20%	2145 cd
30%	3217 cd
40%	4289 cd
50%	5361 cd
60%	6434 cd
70%	7506 cd
80%	8578 cd

Conditions:

Number of c-planes: 2

Candela at center: 10723 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	3,22 lx
5%	5,36 lx
10%	10,7 lx
30%	32,2 lx
50%	53,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 107 lx

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



Total lumen output:

2641 lm

Peak candela output:

3449 cd

Light quality:

CRI: 96,3

Color temperature:

2591 K

PRODUCT NAME:

ARCSPOTM VW

MEASUREMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

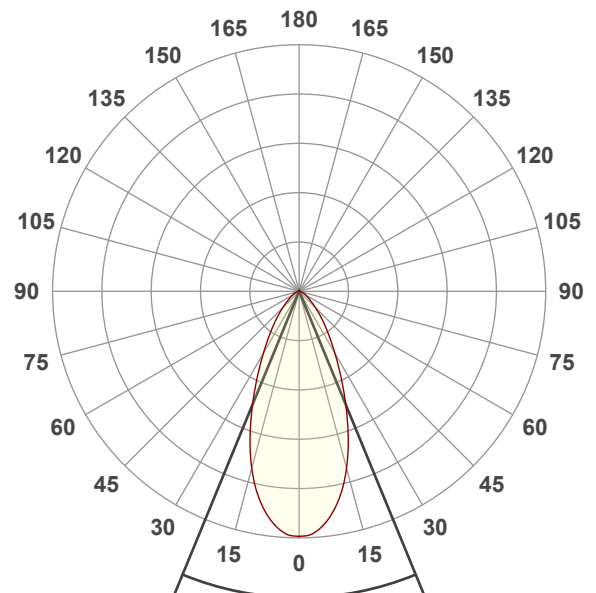
Warm White

Operator:

Giacomo Matteo

Date and time:

21/02/2024 16:33:35

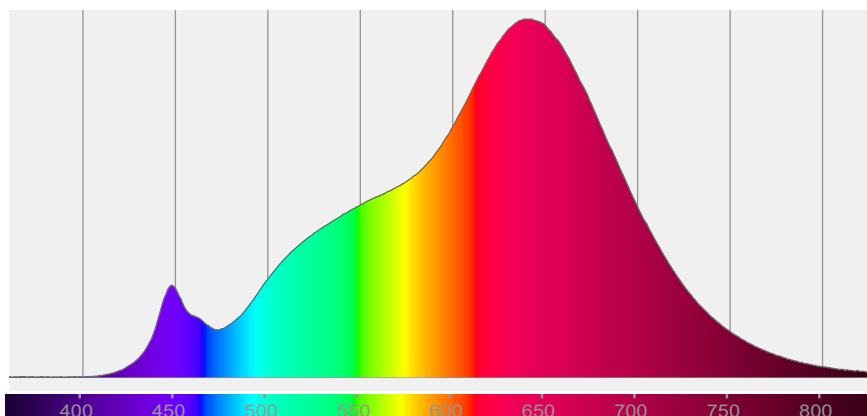


Beam angle 50%: 44,7°

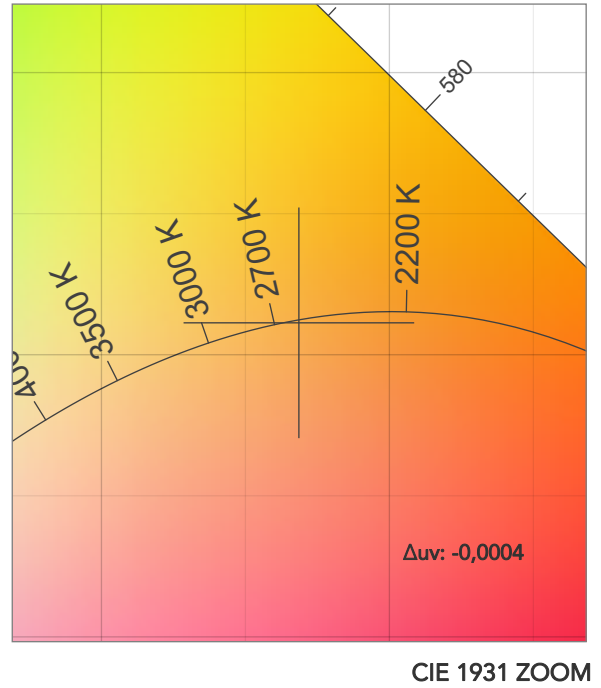
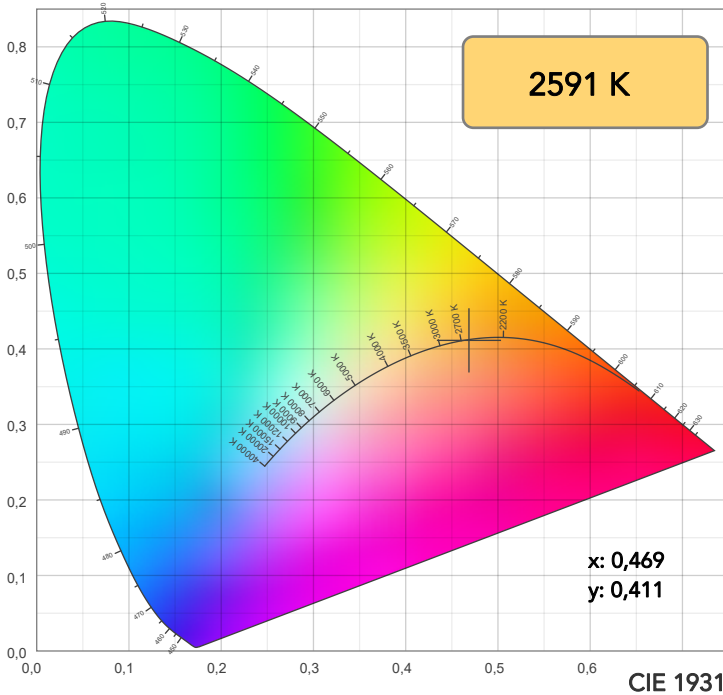
Field angle 10%: 88,6°

Cut off angle 2.5%: 126,7°

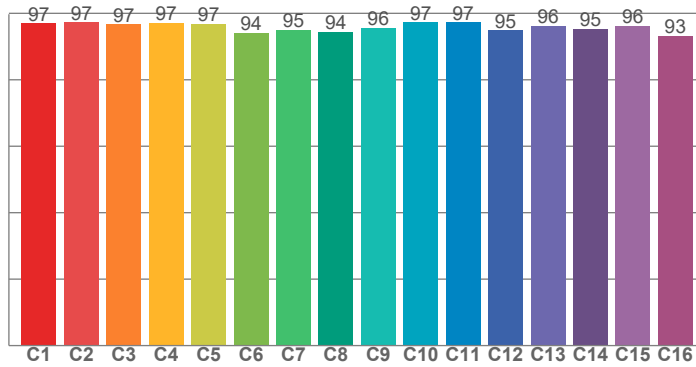
Spectra



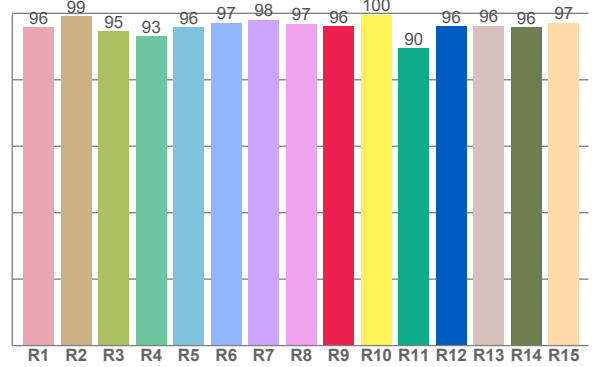
COLOR DETAILS



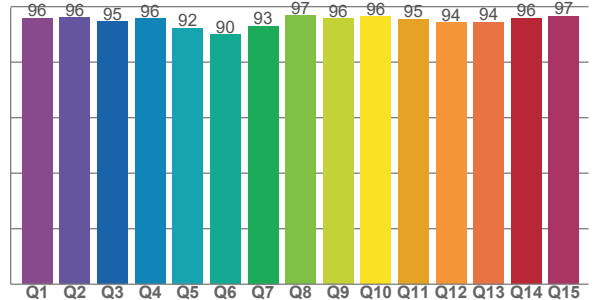
TM30: 96,1



CRI: 96,3 (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
95,8	99,1	94,6	93,2	95,9	97,2	98,1	96,8	96,1	99,5	89,6	96,0	96,3	95,8	97,2

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
97,0	97,2	96,7	97,1	96,9	94,2	94,9	94,4	95,6	97,2	97,2	94,9	96,1	95,3	96,2	93,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,8	96,1	94,6	95,7	92,3	89,9	93,0	96,8	95,6	96,4	95,5	94,3	94,4	95,8	96,5

COLOR PARAMETERS

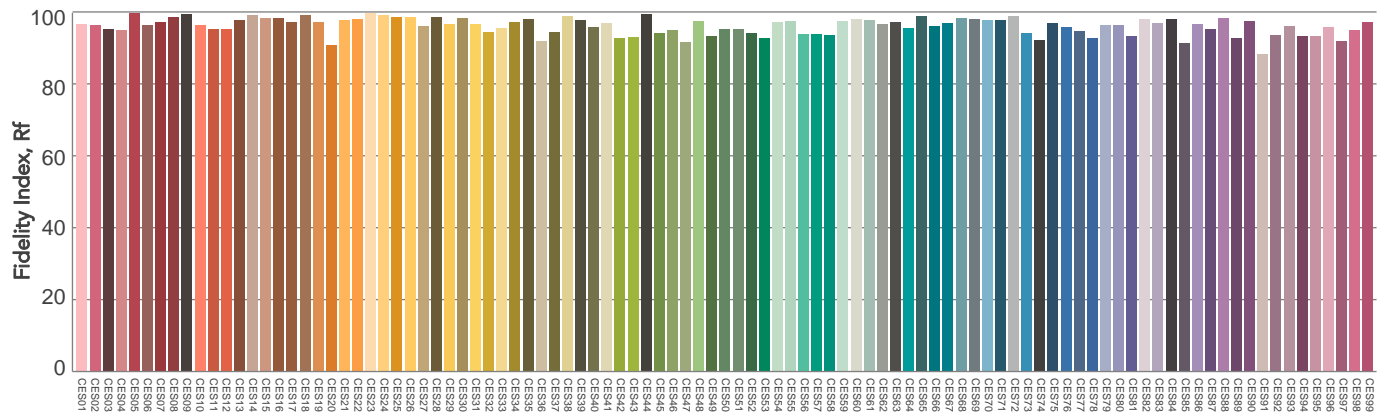
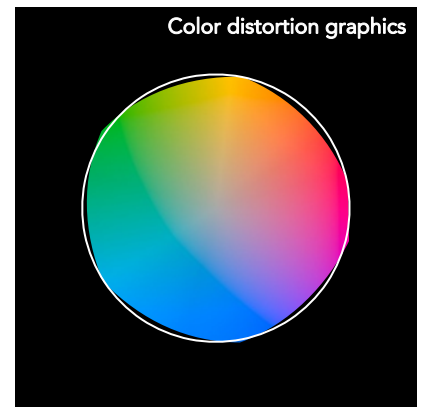
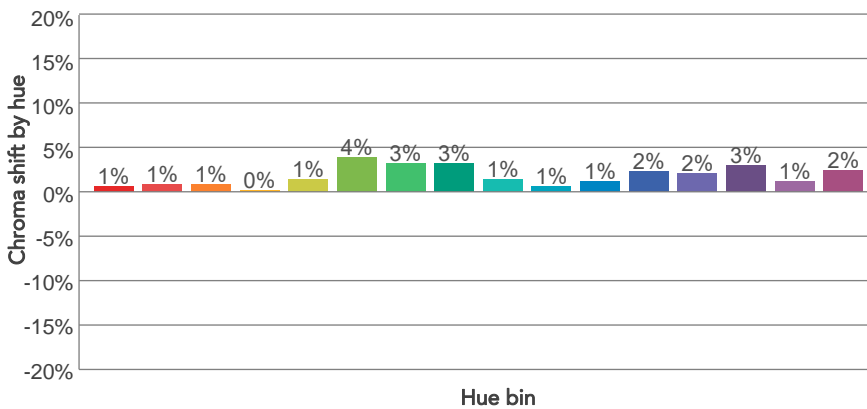
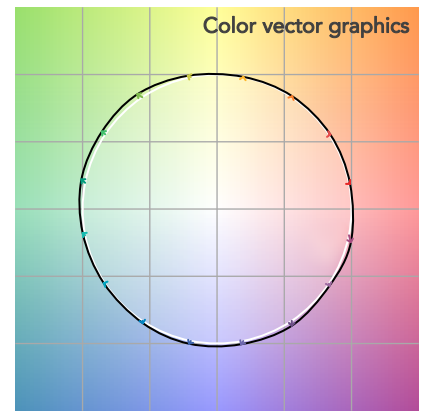
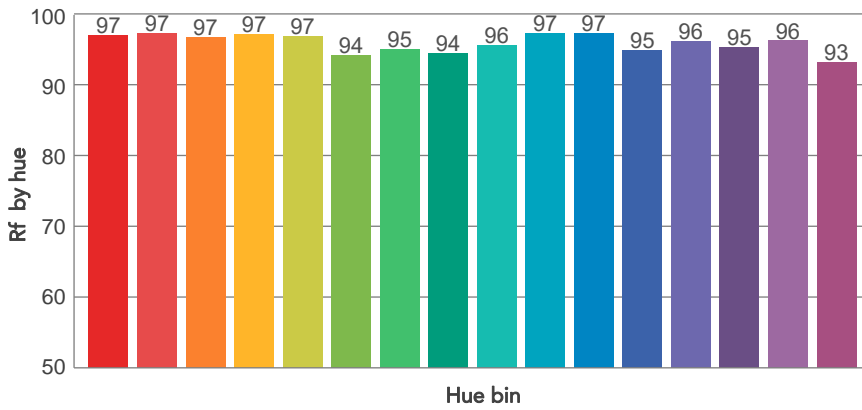
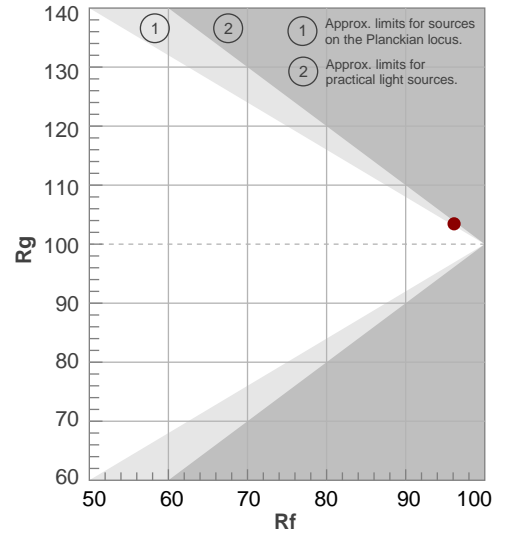
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2591 K	96,3	96,1	96,1	103,4	94,2	98	0,469	0,411	-0,0004

TM30 DETAILS

Rf 96,1
Fidelity index Rf

Rg 103,4
Gammut index

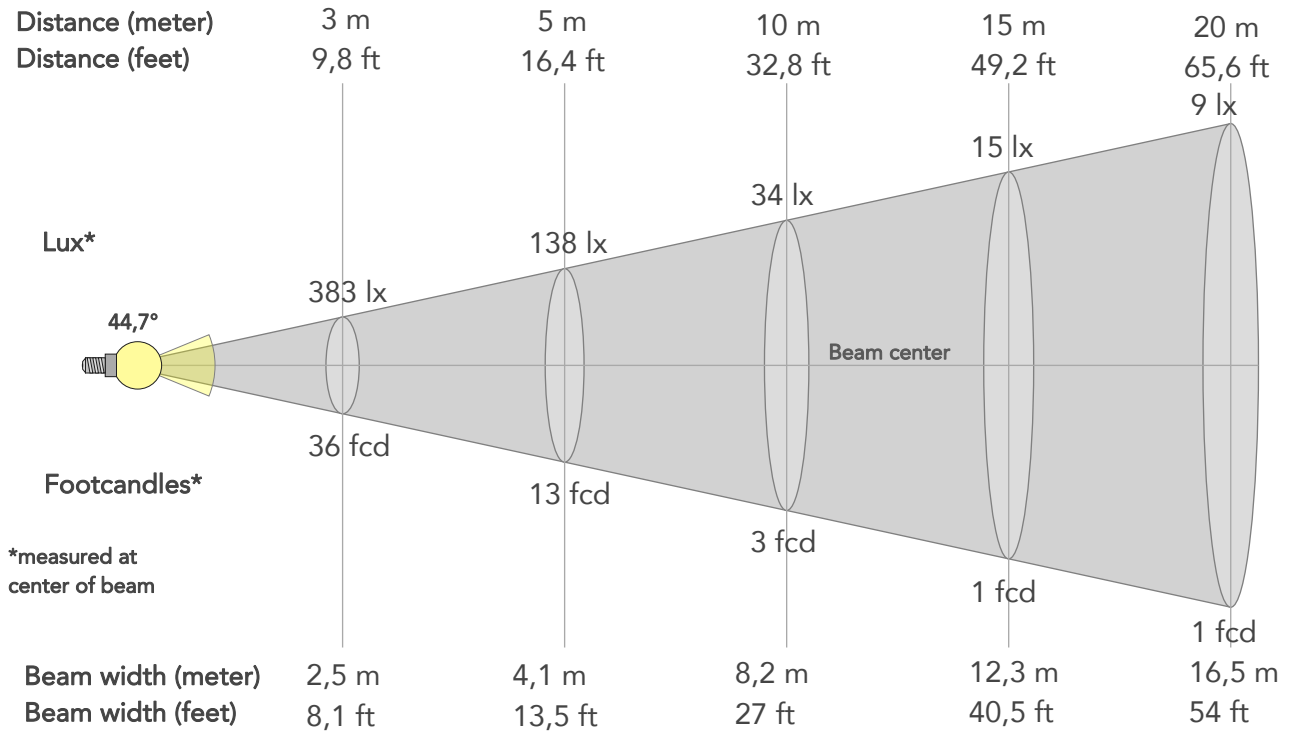
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	1%	0%
4	97	0%	0%
5	97	1%	2%
6	94	4%	2%
7	95	3%	0%
8	94	3%	-2%
9	96	1%	-2%
10	97	1%	-1%
11	97	1%	1%
12	95	2%	-1%
13	96	2%	-2%
14	95	3%	-2%
15	96	1%	-1%
16	93	2%	-5%



BEAM DETAILS



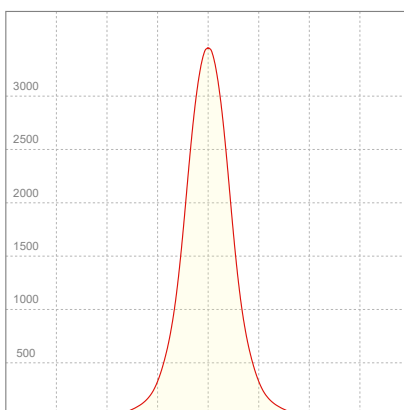
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,7°	88,6°	126,7°	95,3%	86,0%



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	3449lx	862lx	383lx	216lx	138lx	61lx	34lx	15lx	9lx	6lx	4lx	2lx	1lx
Footcand.	320fcd	80fcd	36fcd	20fcd	13fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,3m	16,5m	20,6m	24,7m	32,9m	41,2m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,2ft	27ft	40,5ft	54ft	67,5ft	81ft	108ft	135ft

LINEAR DISTRIBUTION DIAGRAM

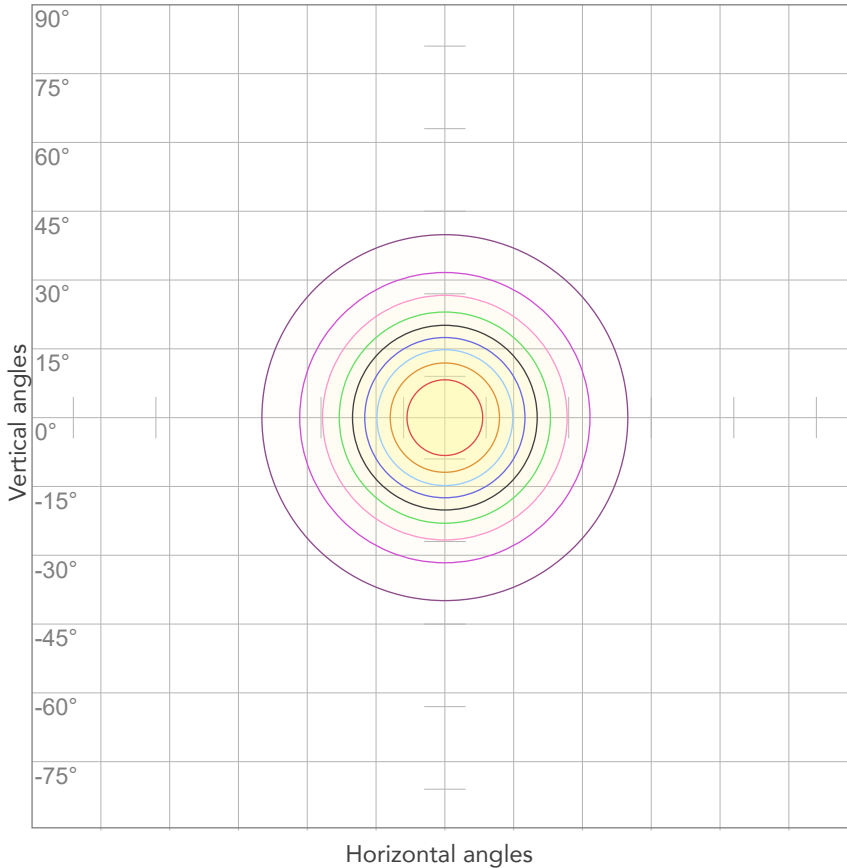


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,327A	67,9W	0,91	39lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



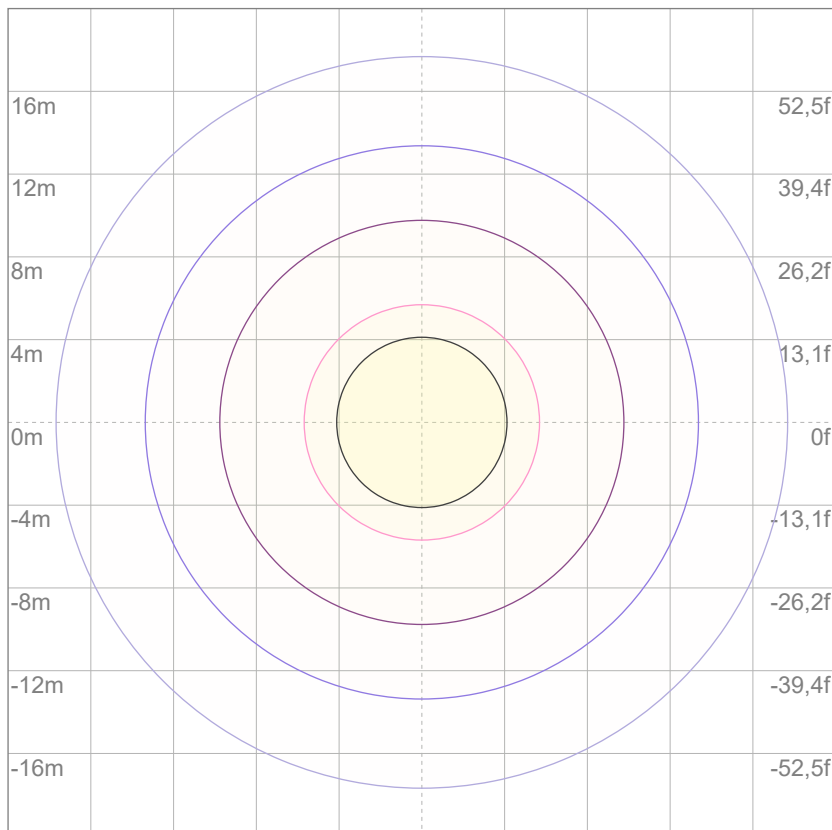
10%	345 cd
20%	690 cd
30%	1035 cd
40%	1380 cd
50%	1725 cd
60%	2069 cd
70%	2414 cd
80%	2759 cd

Conditions:

Number of c-planes: 2

Candela at center: 3449 cd

ISO LUX DIAGRAM



3%	1,03 lx
5%	1,72 lx
10%	3,45 lx
30%	10,3 lx
50%	17,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 34,5 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:

2667 lm

Peak candela output:

2364 cd

Light quality:

CRI: 96,4

Color temperature:

2604 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

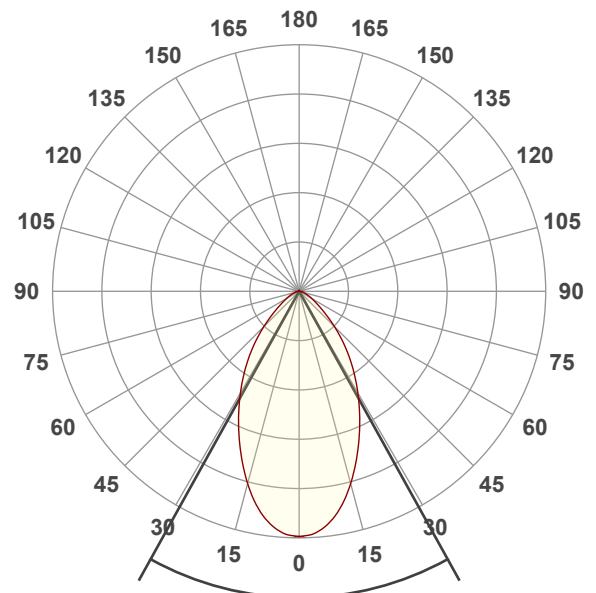
Warm White

Operator:

Giacomo Matteo

Date and time:

21/02/2024 17:12:36

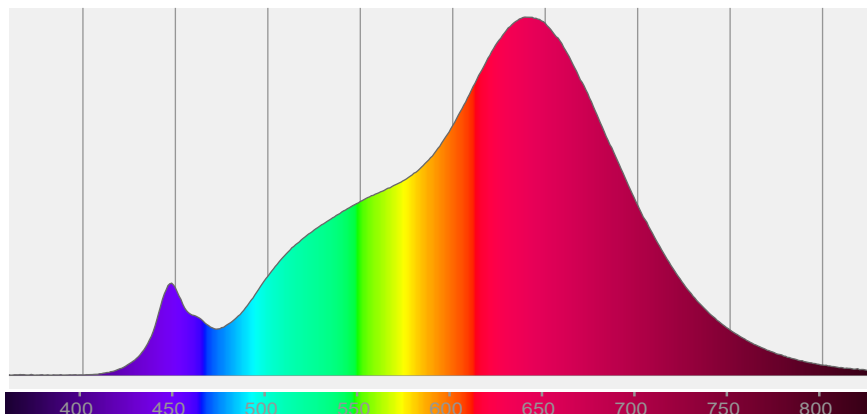


Beam angle 50%: 58°

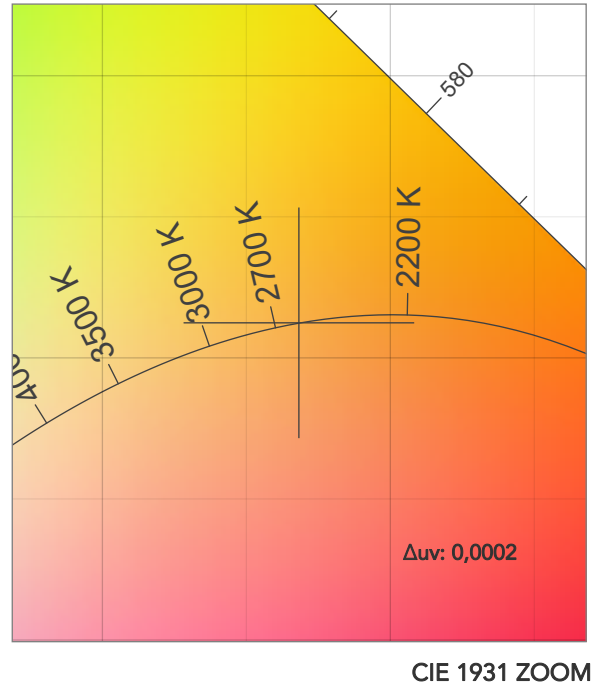
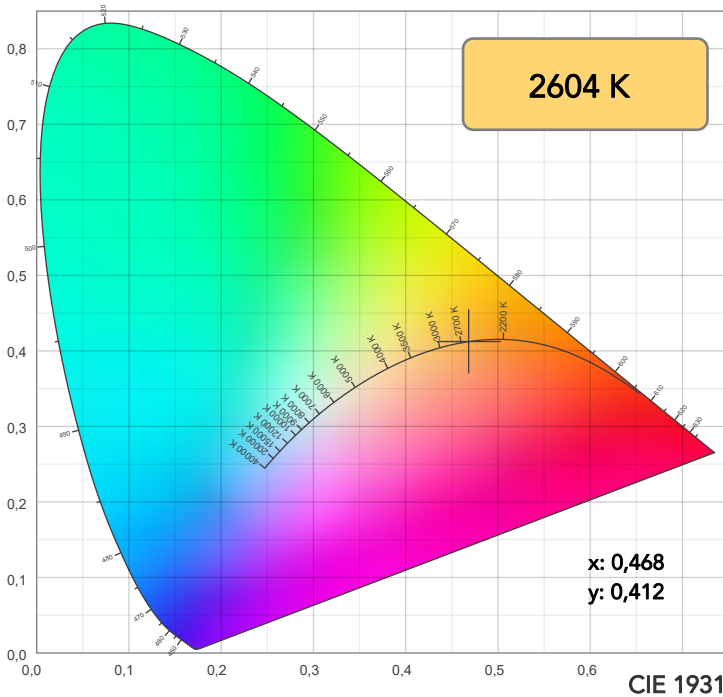
Field angle 10%: 107,2°

Cut off angle 2.5%: 141,7°

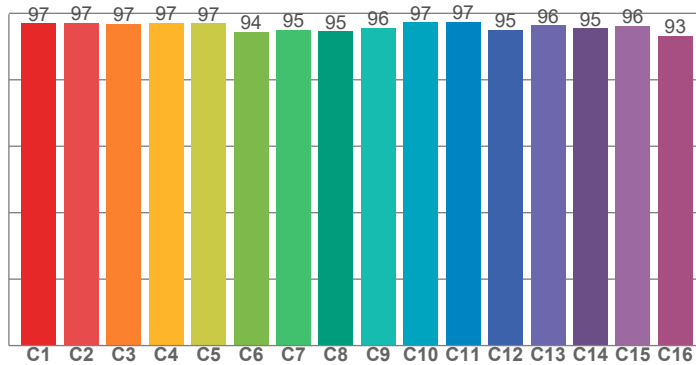
Spectra



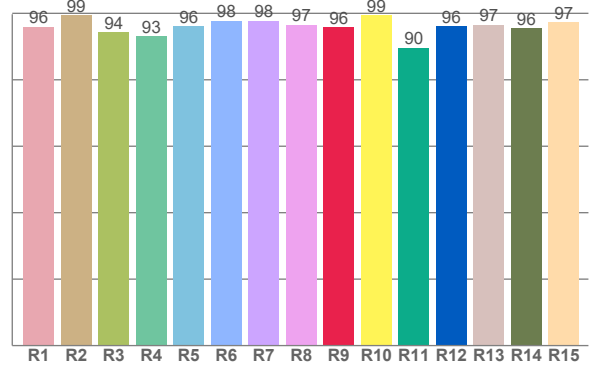
COLOR DETAILS



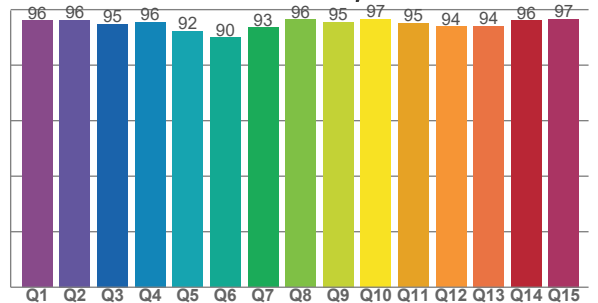
TM30: 96,2



CRI: 96,4 (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
95,9	99,4	94,2	93,2	96,1	97,8	97,8	96,5	95,8	99,3	89,7	96,2	96,6	95,5	97,3

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
96,9	97,2	96,8	97,2	97,0	94,4	95,1	94,5	95,6	97,3	97,4	95,0	96,4	95,5	96,2	93,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,0	96,2	94,8	95,6	92,2	90,0	93,5	96,4	95,5	96,6	95,1	93,9	94,0	96,1	96,6

COLOR PARAMETERS

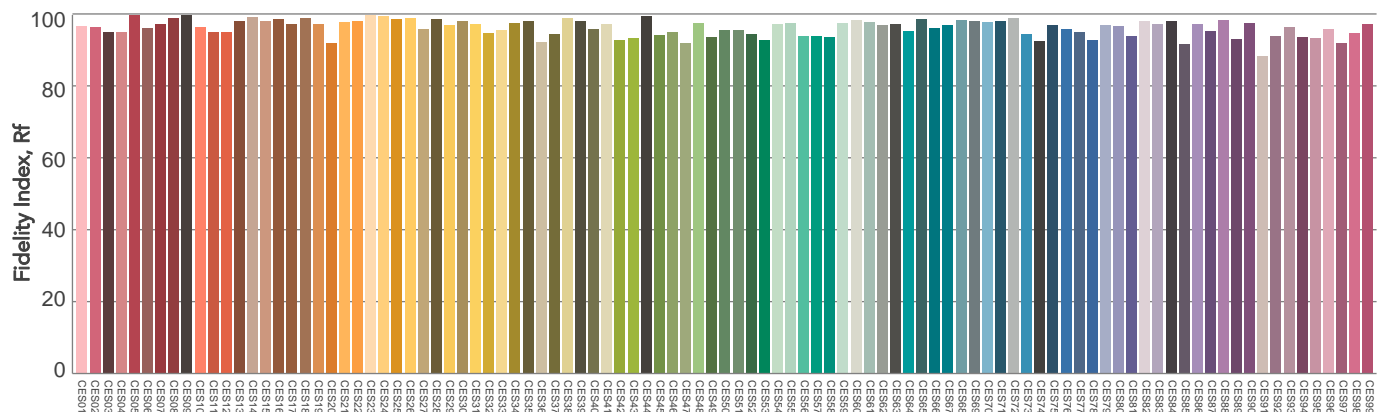
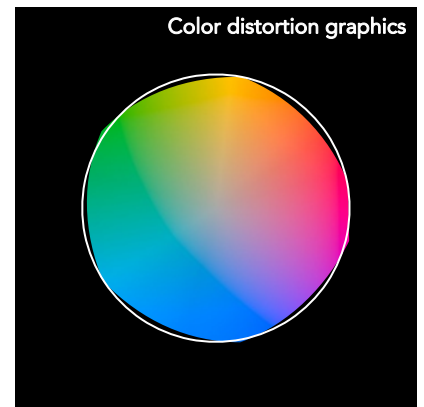
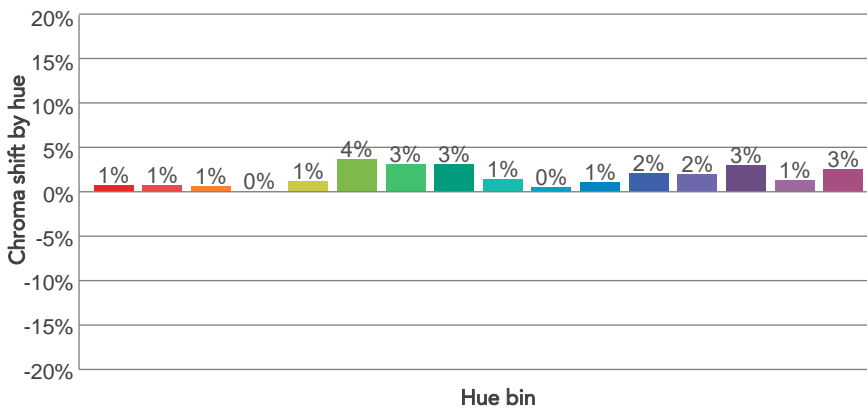
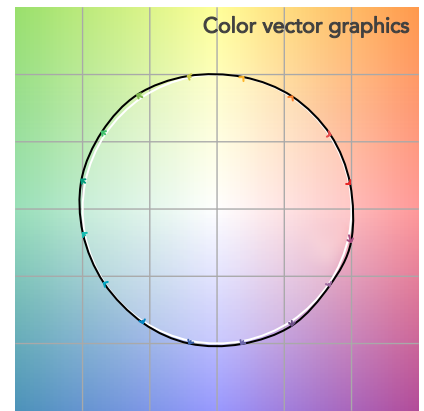
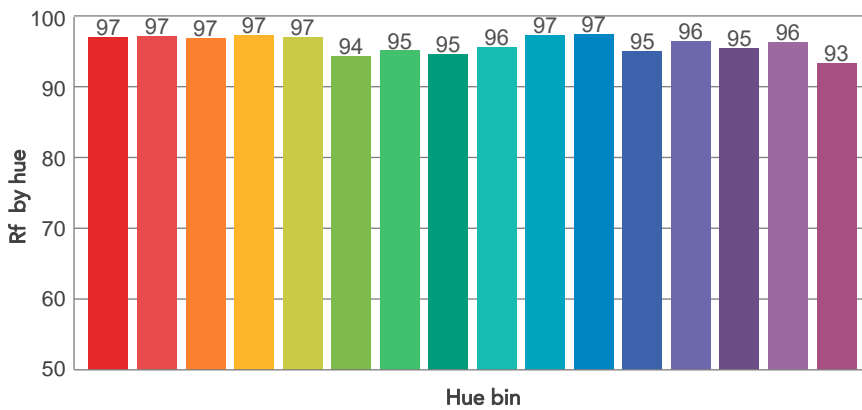
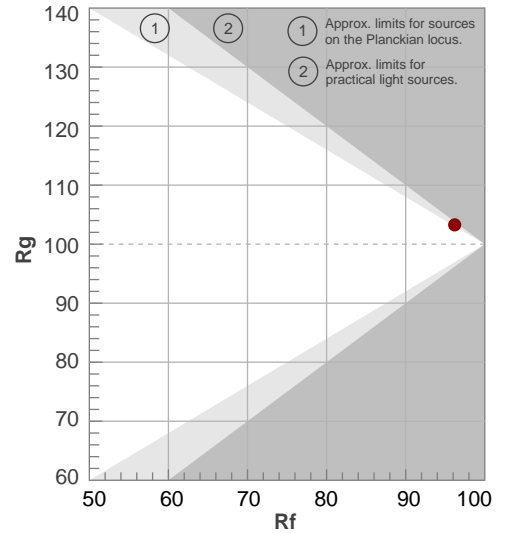
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2604 K	96,4	95,8	96,2	103,3	94,2	98	0,468	0,412	0,0002

TM30 DETAILS

Rf 96,2
Fidelity index Rf

Rg 103,3
Gammut index

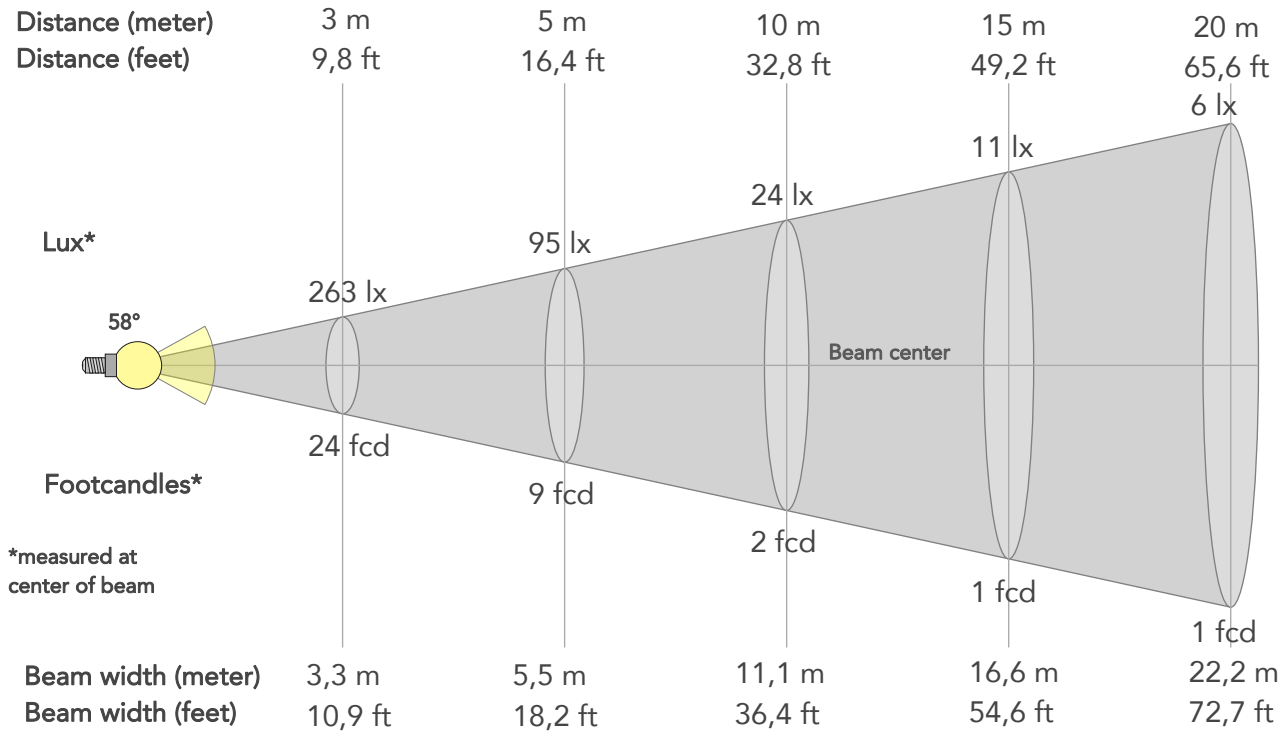
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	1%	0%
4	97	0%	0%
5	97	1%	2%
6	94	4%	2%
7	95	3%	0%
8	95	3%	-2%
9	96	1%	-2%
10	97	0%	-1%
11	97	1%	1%
12	95	2%	-1%
13	96	2%	-2%
14	95	3%	-2%
15	96	1%	-1%
16	93	3%	-5%



BEAM DETAILS



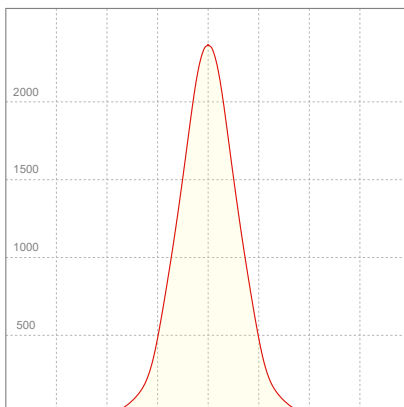
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58°	107,2°	141,7°	94,2%	80,9%



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	2364lx	591lx	263lx	148lx	95lx	42lx	24lx	11lx	6lx	4lx	3lx	1lx	1lx
Footcand.	220fcd	55fcd	24fcd	14fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,3m	11,1m	16,6m	22,2m	27,7m	33,3m	44,4m	55,4m
Beam wid.	3,7ft	7,3ft	10,9ft	14,5ft	18,2ft	27,3ft	36,4ft	54,6ft	72,7ft	90,9ft	109,1ft	145,5ft	181,9ft

LINEAR DISTRIBUTION DIAGRAM

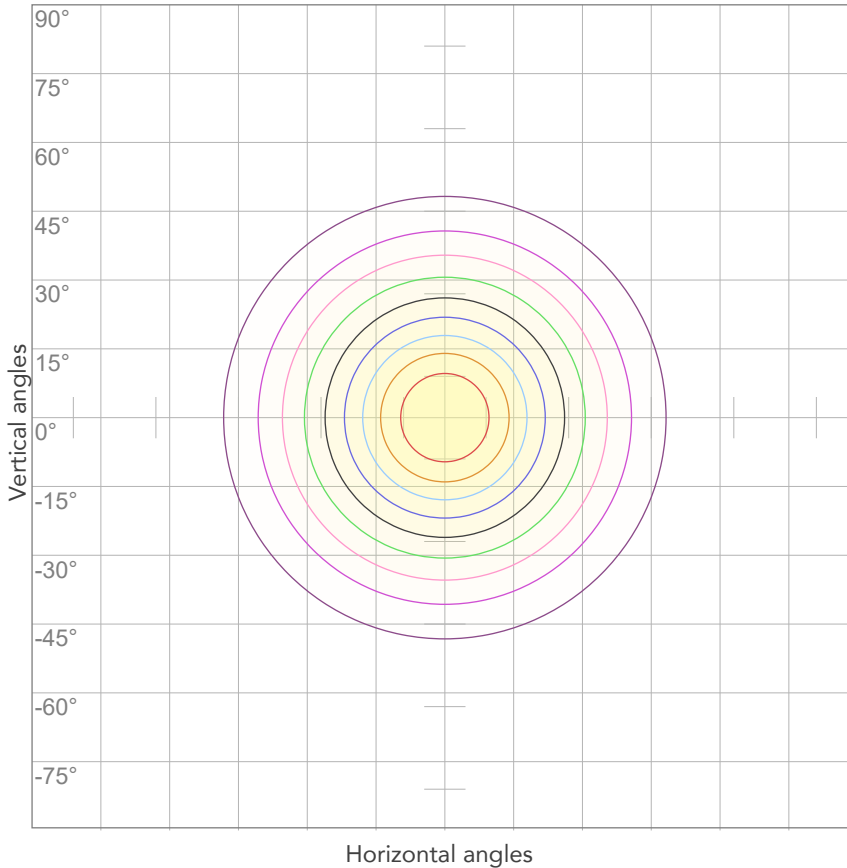


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,329A	67,9W	0,91	39lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



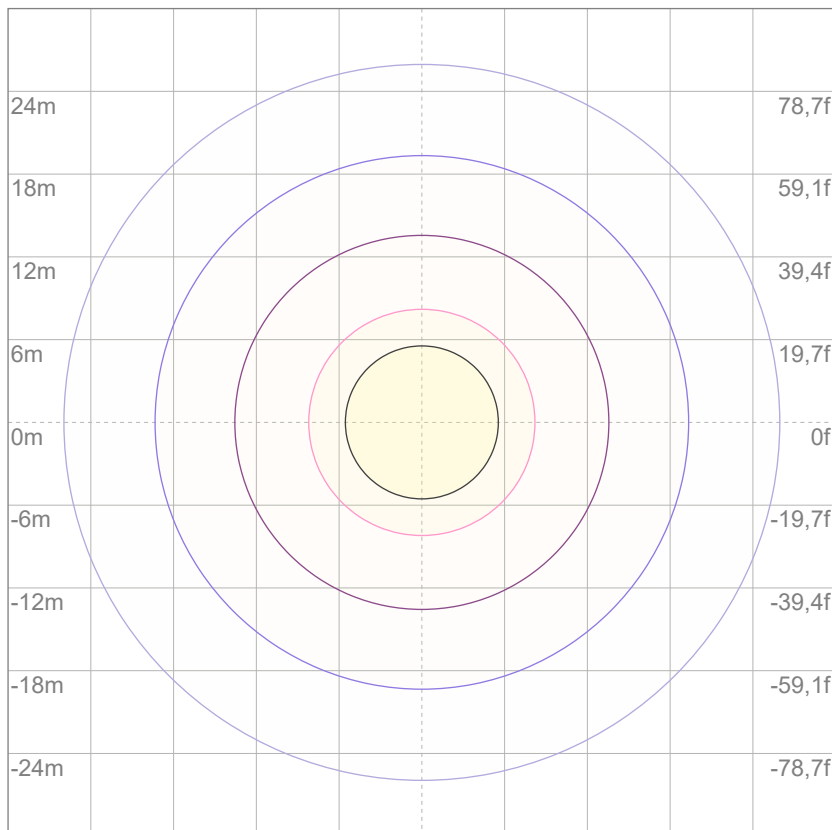
10%	236 cd
20%	473 cd
30%	709 cd
40%	946 cd
50%	1182 cd
60%	1418 cd
70%	1655 cd
80%	1891 cd

Conditions:

Number of c-planes: 2

Candela at center: 2364 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,709 lx
5%	1,18 lx
10%	2,36 lx
30%	7,09 lx
50%	11,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 23,6 lx

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



Total lumen output:

4044 lm

Peak candela output:

8168 cd

Light quality:

CRI: 96,4

Color temperature:

2596 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x60° Filter

Target:

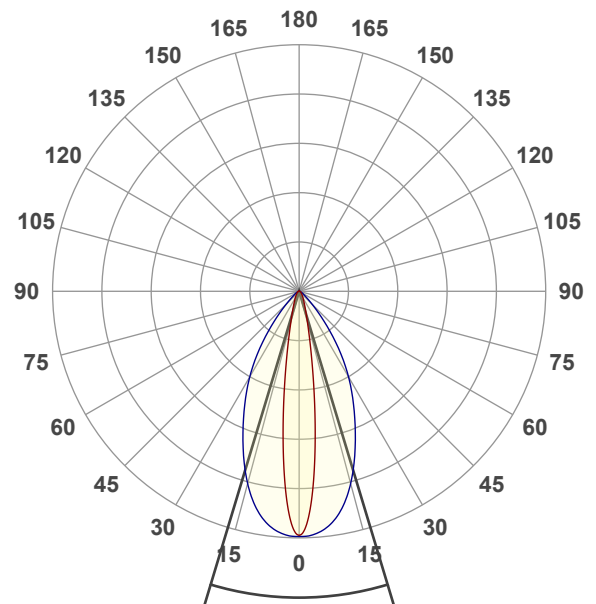
Warm White

Operator:

Giacomo Matteo

Date and time:

22/02/2024 10:52:34

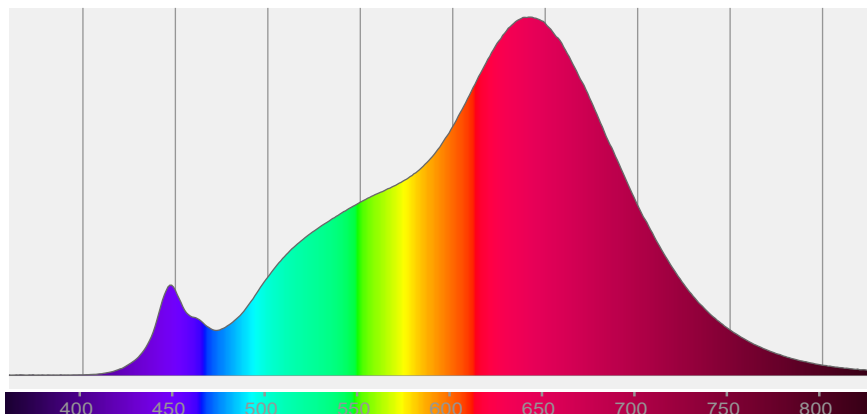


Beam angle 50%: 33,6°

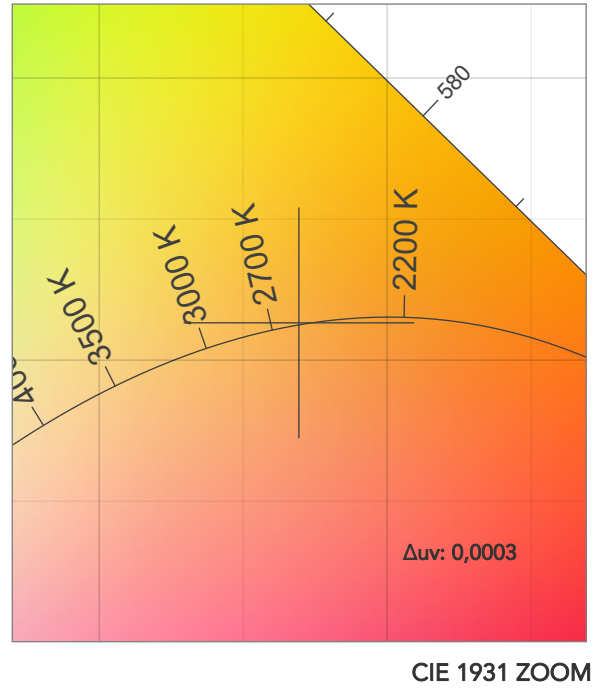
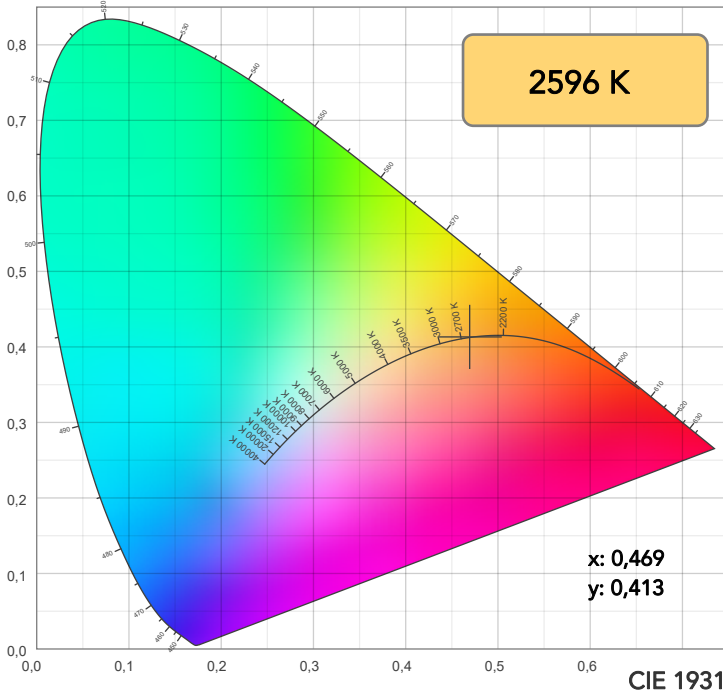
Field angle 10%: 60,1°

Cut off angle 2.5%: 88,1°

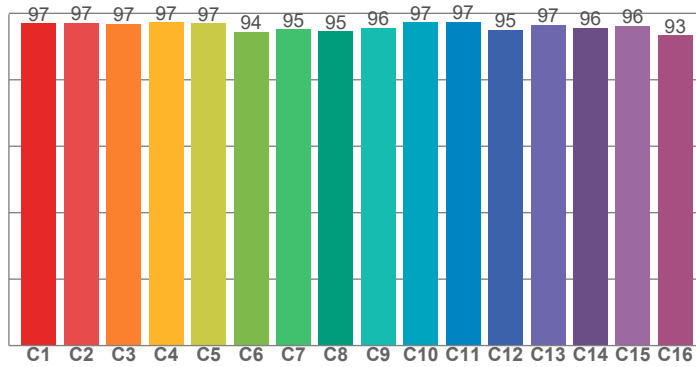
Spectra



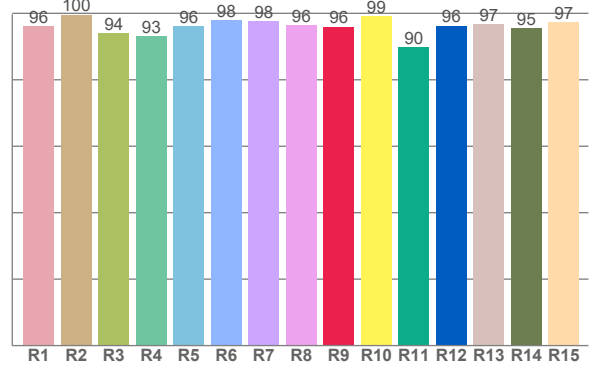
COLOR DETAILS



TM30: 96,2



CRI: 96,4 (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
96,0	99,6	94,0	93,2	96,2	98,0	97,7	96,5	96,0	99,0	89,7	96,2	96,7	95,4	97,4

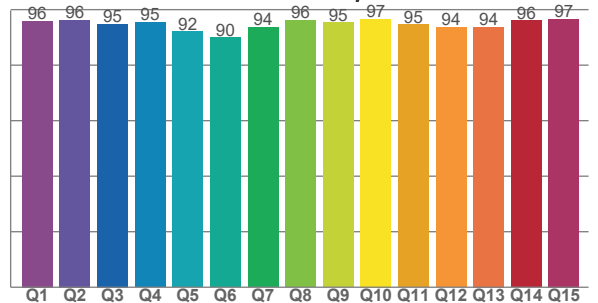
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 94,1



COLOR PARAMETERS

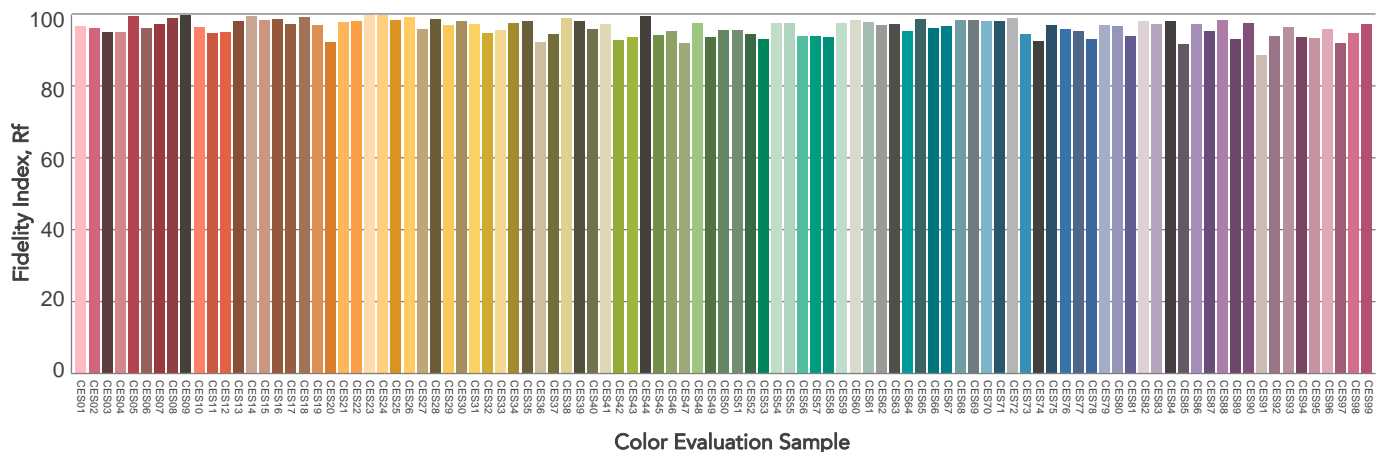
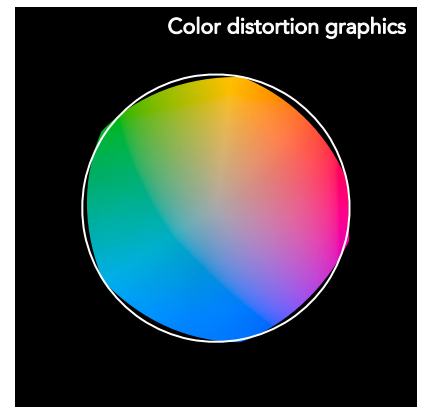
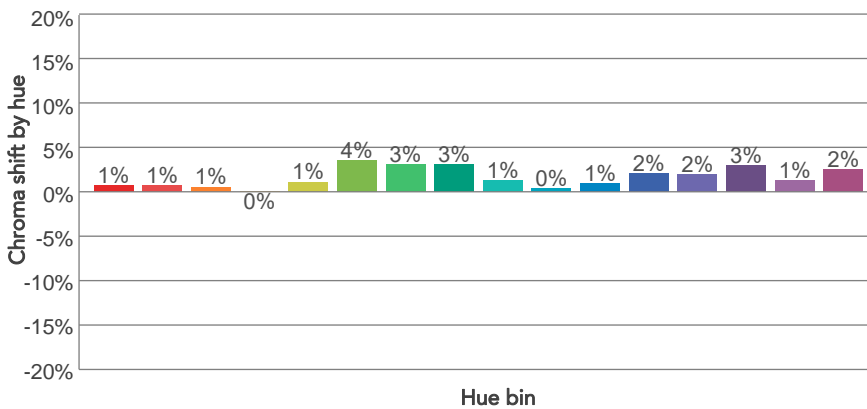
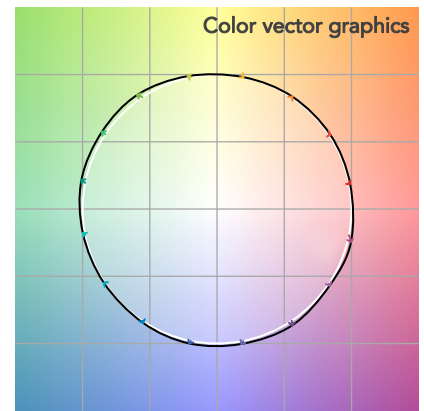
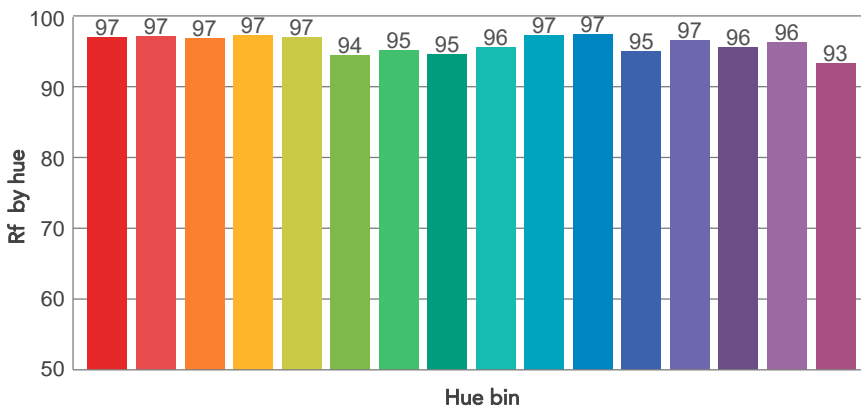
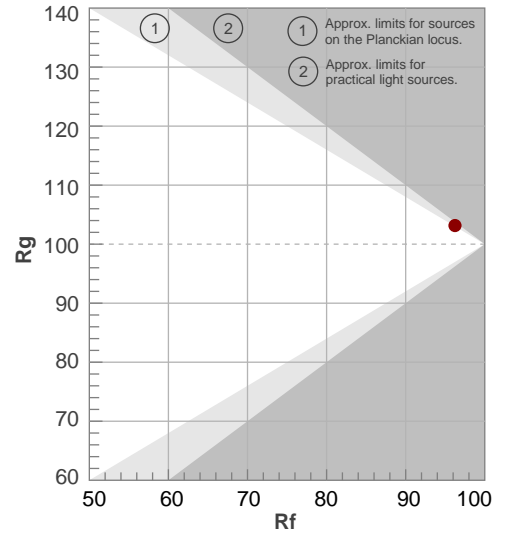
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2596 K	96,4	96,0	96,2	103,2	94,1	98	0,469	0,413	0,0003

TM30 DETAILS

Rf 96,2
Fidelity index Rf

Rg 103,2
Gammut index

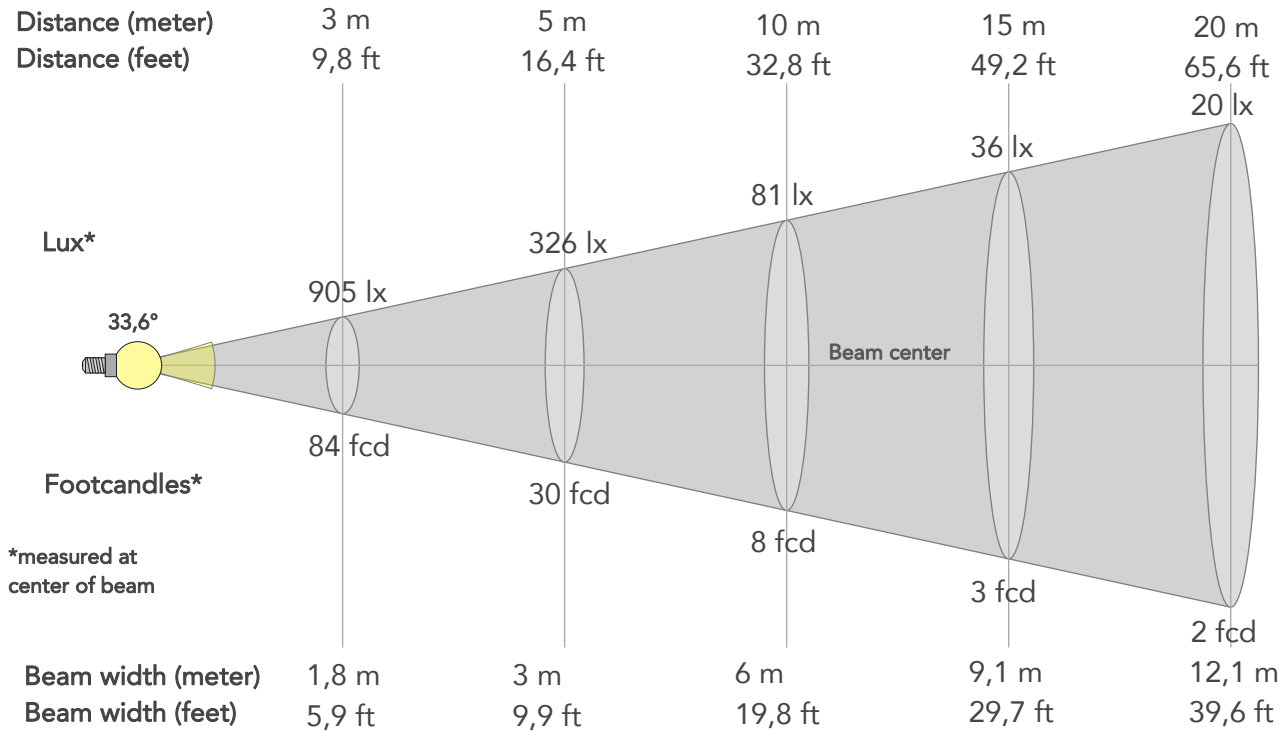
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	1%	0%
4	97	0%	0%
5	97	1%	2%
6	94	4%	2%
7	95	3%	0%
8	95	3%	-2%
9	96	1%	-2%
10	97	0%	-1%
11	97	1%	1%
12	95	2%	-1%
13	97	2%	-2%
14	96	3%	-2%
15	96	1%	-1%
16	93	2%	-5%



BEAM DETAILS



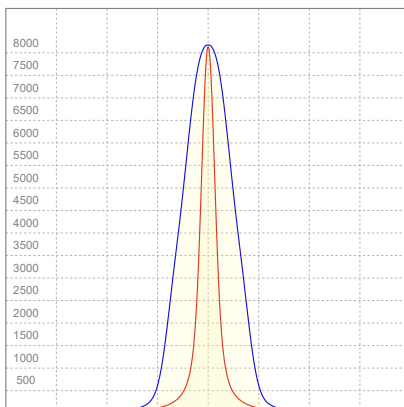
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,6°	60,1°	88,1°	97,1%	91,3%



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	8148lx	2037lx	905lx	509lx	326lx	145lx	81lx	36lx	20lx	13lx	9lx	5lx	3lx
Footcand.	757fcd	189fcd	84fcd	47fcd	30fcd	13fcd	8fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9,1m	12,1m	15,1m	18,1m	24,1m	30,2m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,8ft	19,8ft	29,7ft	39,6ft	49,5ft	59,4ft	79,2ft	99ft

LINEAR DISTRIBUTION DIAGRAM

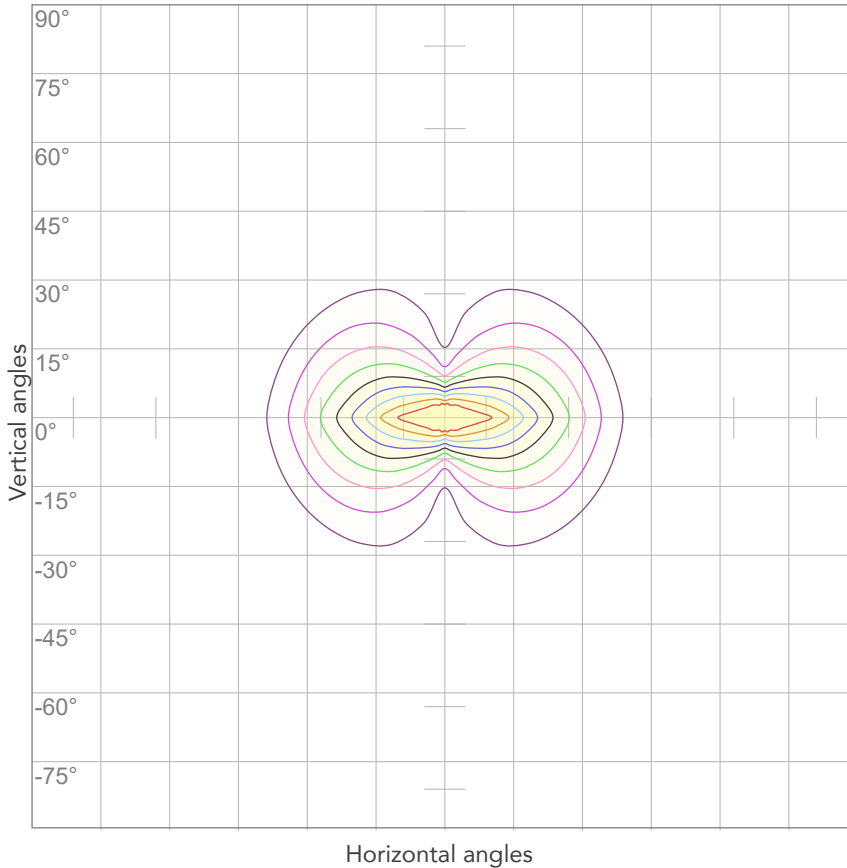


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,332A	68,1W	0,91	59lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



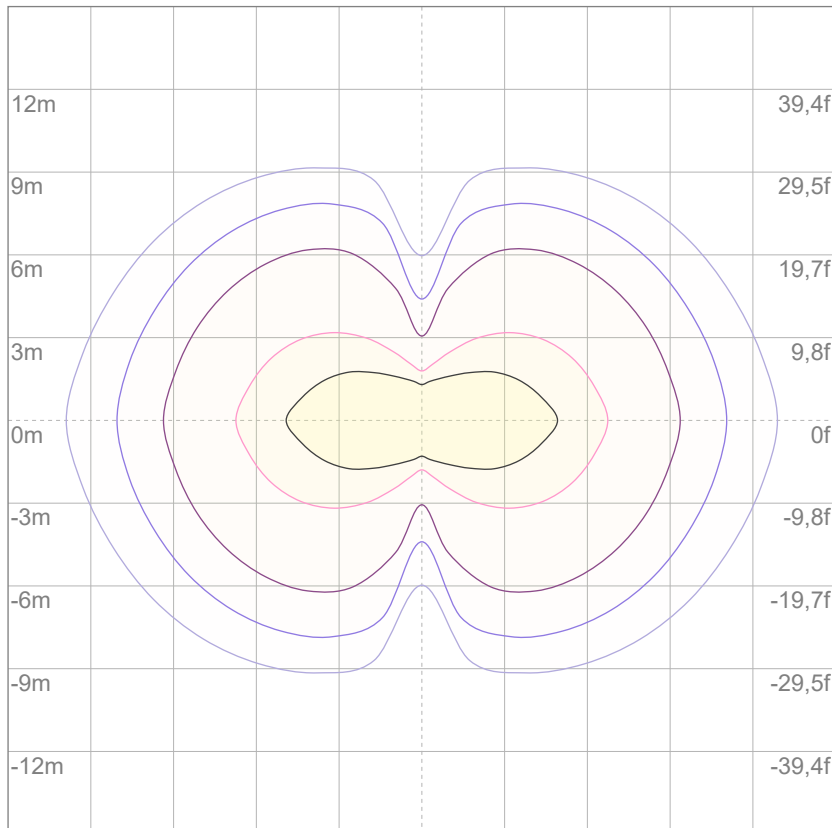
10%	815 cd
20%	1630 cd
30%	2444 cd
40%	3259 cd
50%	4074 cd
60%	4889 cd
70%	5704 cd
80%	6518 cd

Conditions:

Number of c-planes: 4

Candela at center: 8148 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	2,44 lx
5%	4,07 lx
10%	8,15 lx
30%	24,4 lx
50%	40,7 lx

Conditions:

Number of c-planes: 4

Lux at center: 81,5 lx

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



Total lumen output:

2972 lm

Peak candela output:

4114 cd

Light quality:

CRI: 96,4

Color temperature:

2581 K

PRODUCT NAME:

ARCSPOTM VW

MEASUREMENT CONDITIONS:

Beam angle:

10° + 30°x60° Filter

Target:

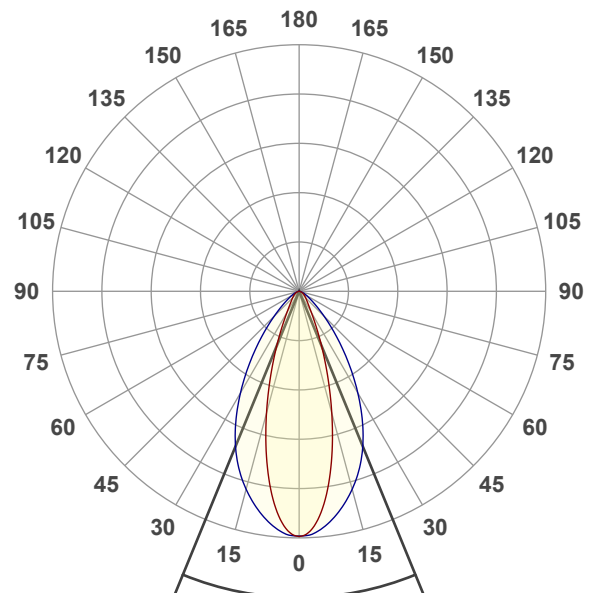
Warm White

Operator:

Giacomo Matteo

Date and time:

22/02/2024 11:48:31

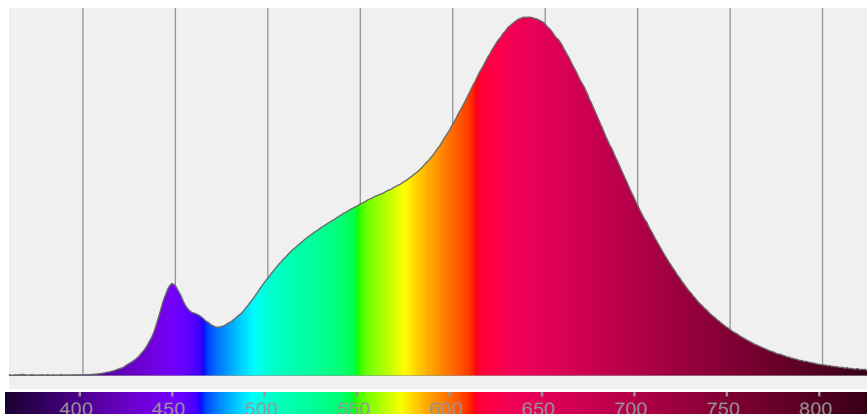


Beam angle 50%: 44,6°

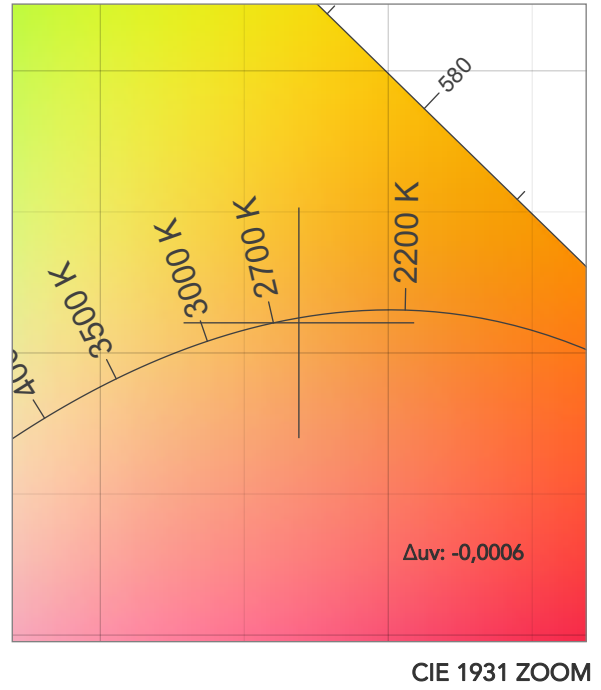
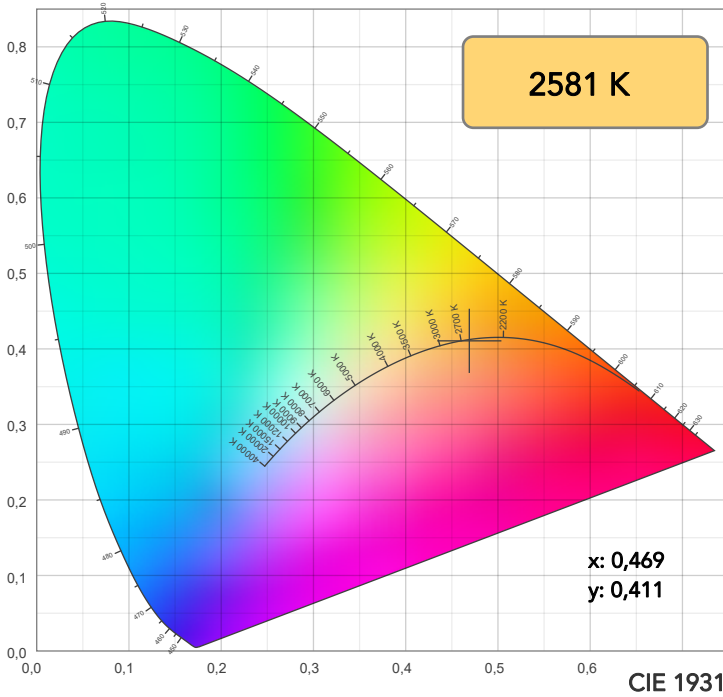
Field angle 10%: 78,8°

Cut off angle 2.5%: 118,4°

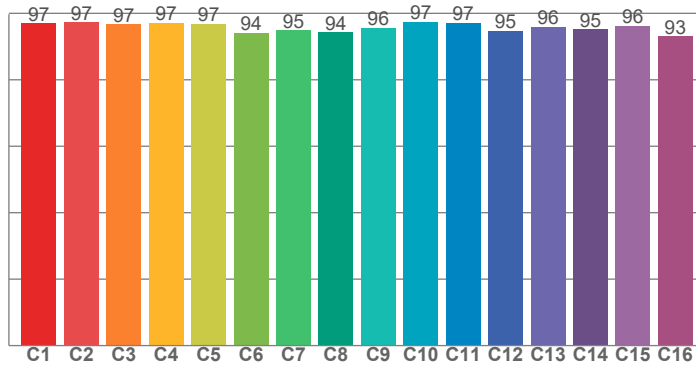
Spectra



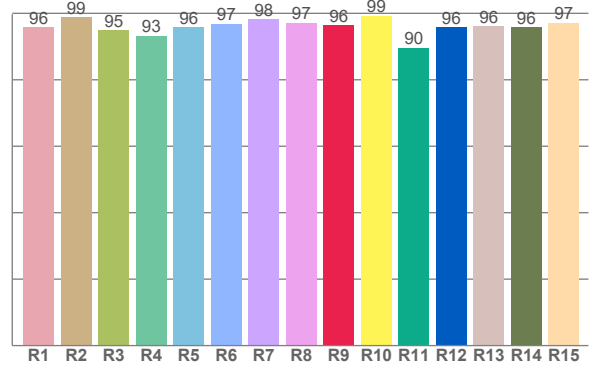
COLOR DETAILS



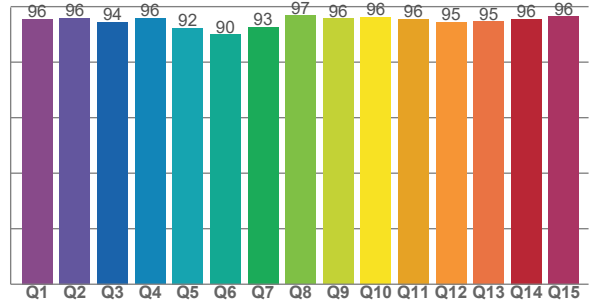
TM30: 96,1



CRI: 96,4 (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
95,7	98,9	94,9	93,3	95,8	96,9	98,3	97,1	96,5	99,3	89,6	95,8	96,2	95,9	97,2

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
97,0	97,3	96,7	97,1	96,8	94,1	94,9	94,3	95,6	97,4	97,0	94,7	95,9	95,1	96,2	93,1

CQS Q values

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

COLOR PARAMETERS

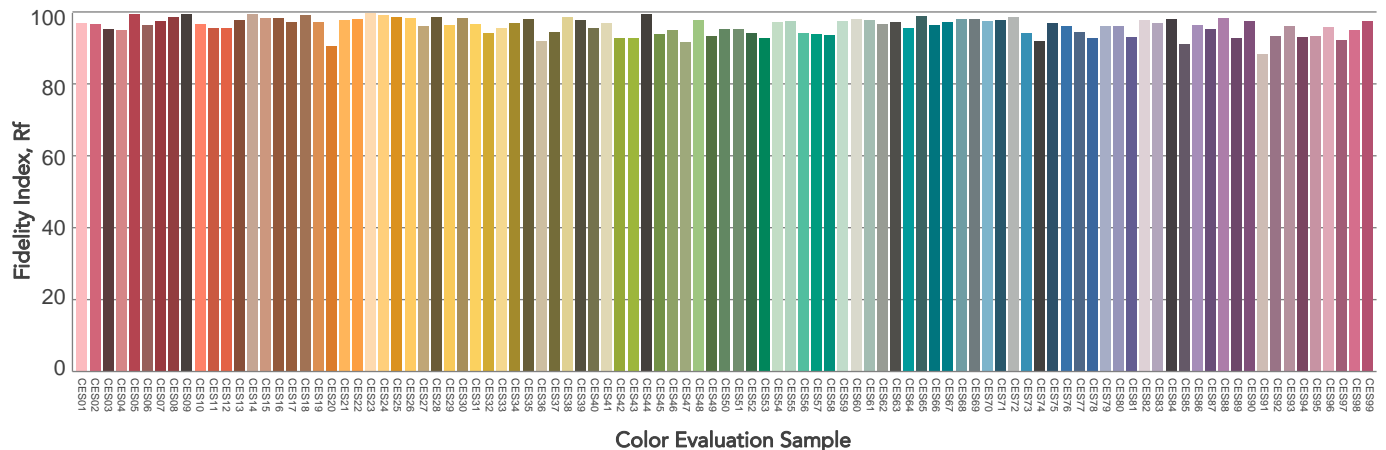
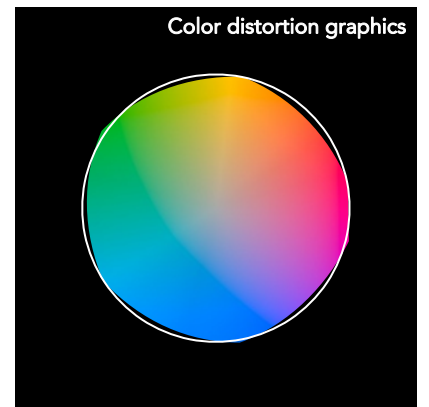
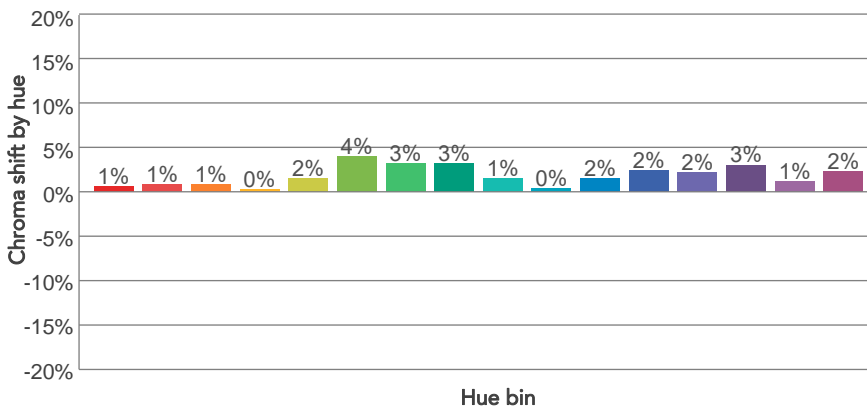
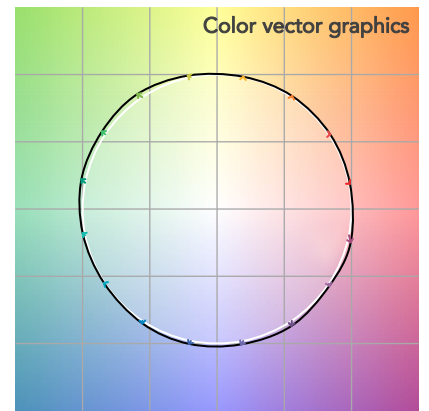
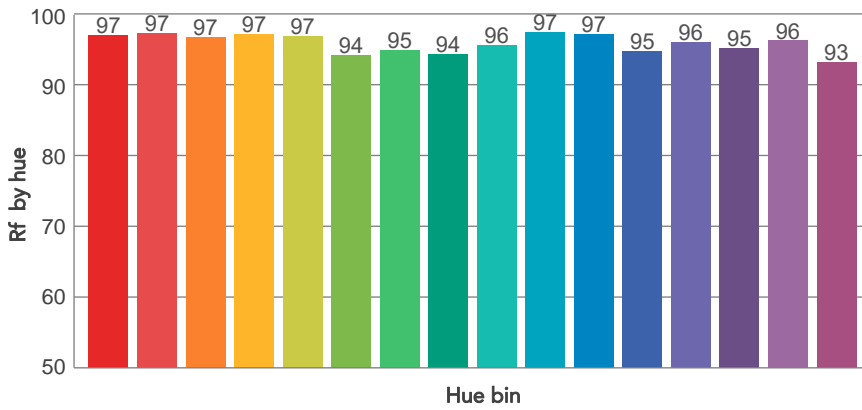
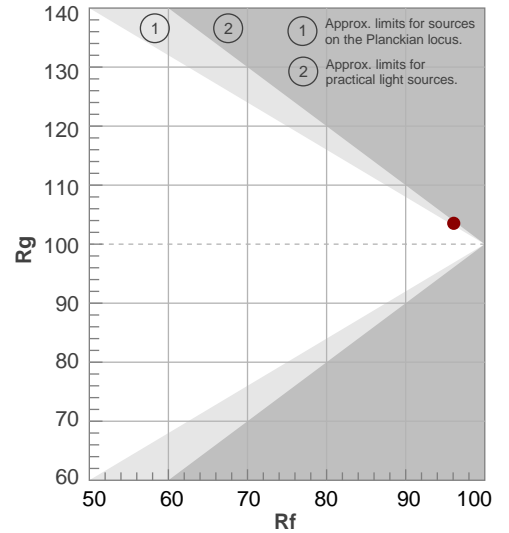
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2581 K	96,4	96,5	96,1	103,5	94,2	98	0,469	0,411	-0,0006

TM30 DETAILS

Rf 96,1
Fidelity index Rf

Rg 103,5
Gammut index

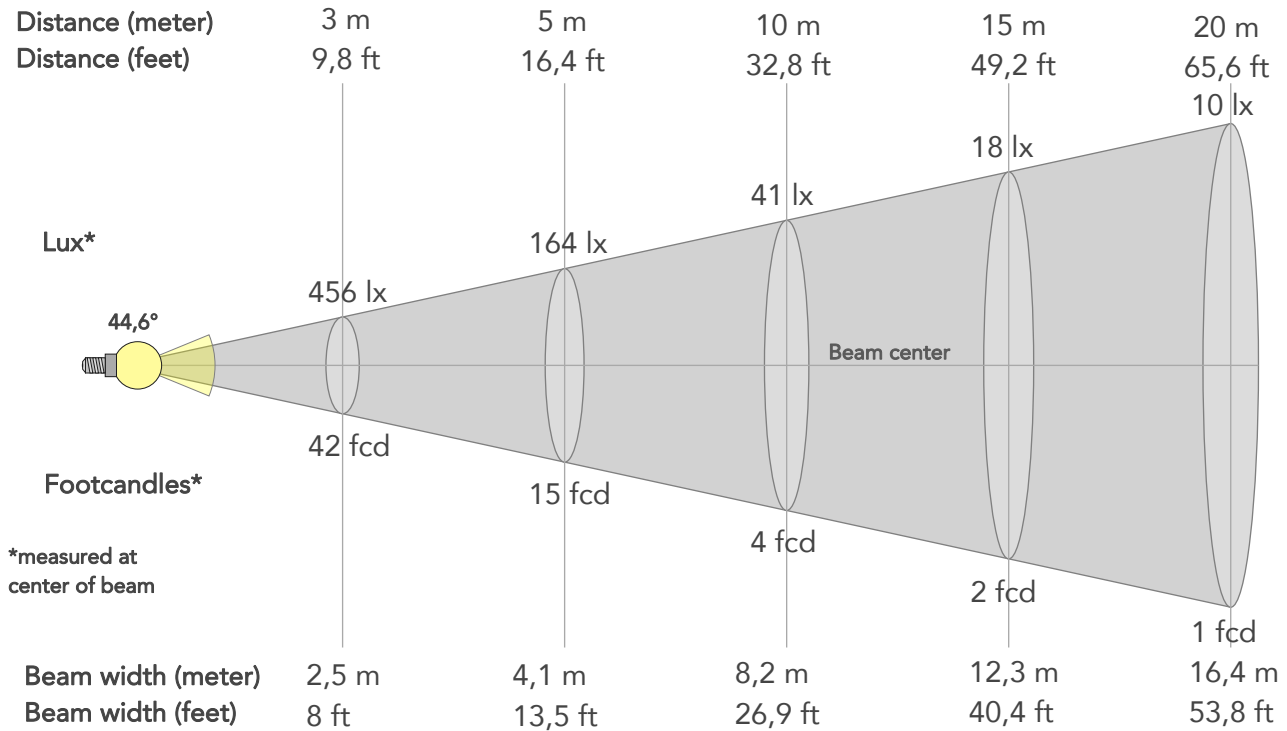
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	1%	0%
4	97	0%	0%
5	97	2%	2%
6	94	4%	2%
7	95	3%	0%
8	94	3%	-2%
9	96	1%	-2%
10	97	0%	-1%
11	97	2%	1%
12	95	2%	-1%
13	96	2%	-2%
14	95	3%	-2%
15	96	1%	-1%
16	93	2%	-5%



BEAM DETAILS



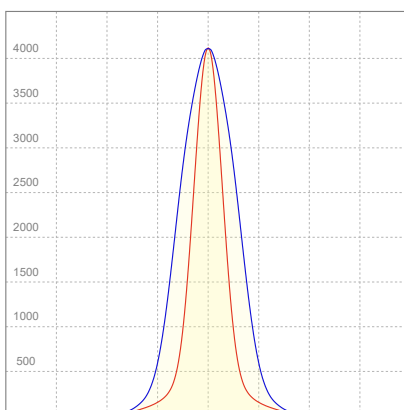
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,6°	78,8°	118,4°	95,8%	86,6%



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	4107lx	1027lx	456lx	257lx	164lx	73lx	41lx	18lx	10lx	7lx	5lx	3lx	2lx
Footcand.	382fcd	95fcd	42fcd	24fcd	15fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,3m	16,4m	20,5m	24,6m	32,8m	41m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,5ft	20,2ft	26,9ft	40,4ft	53,8ft	67,3ft	80,7ft	107,7ft	134,6ft

LINEAR DISTRIBUTION DIAGRAM

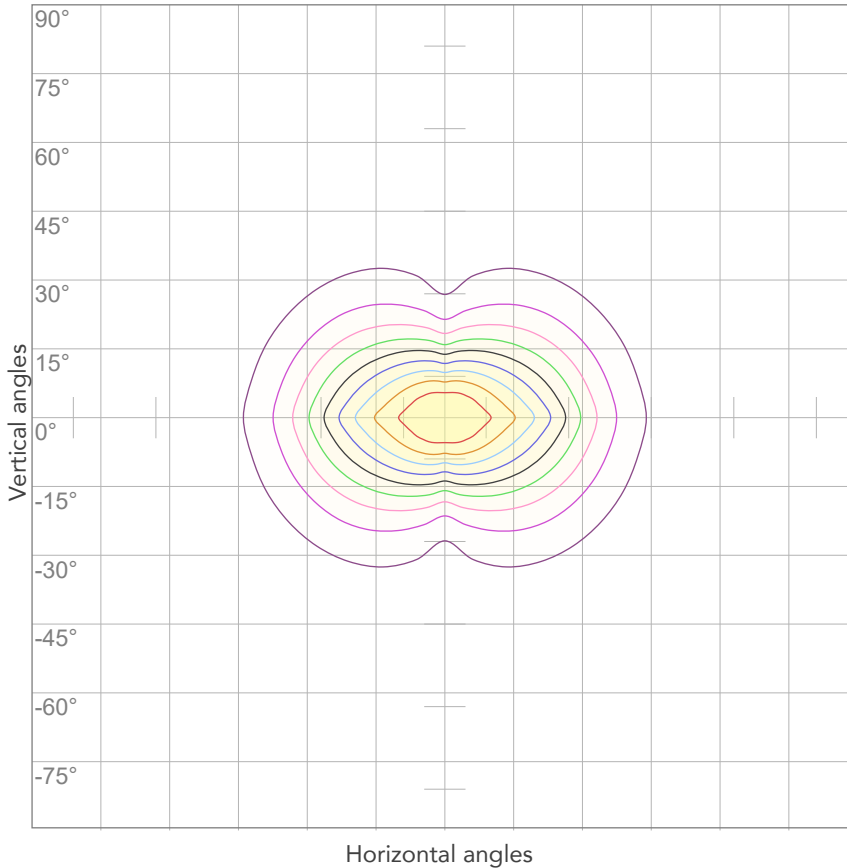


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,328A	67,4W	0,91	44lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



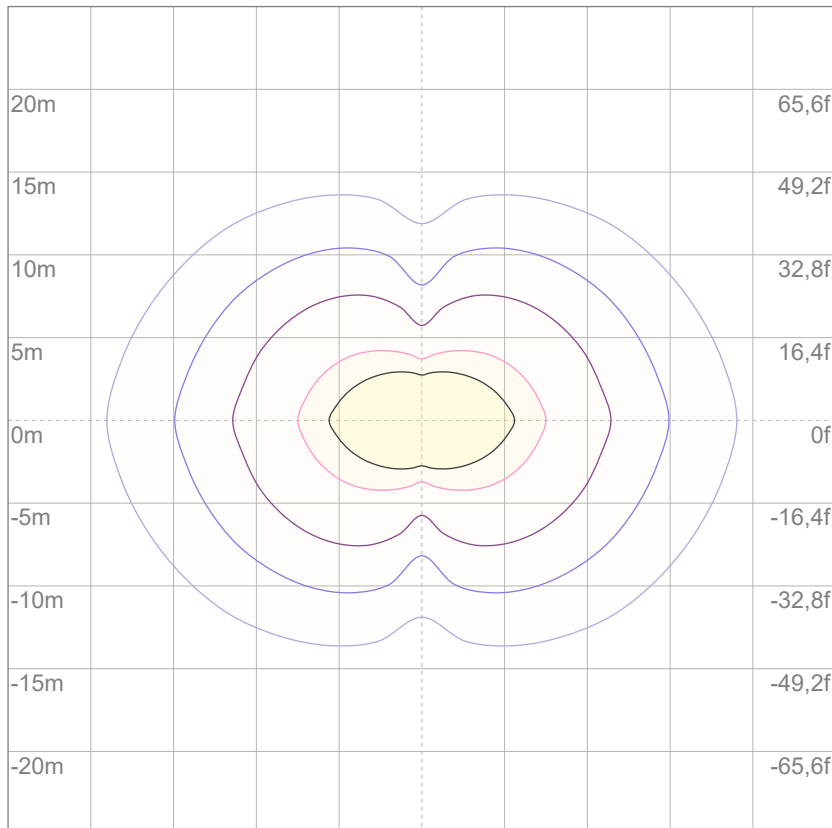
10%	411 cd
20%	821 cd
30%	1232 cd
40%	1643 cd
50%	2054 cd
60%	2464 cd
70%	2875 cd
80%	3286 cd

Conditions:

Number of c-planes: 4

Candela at center: 4107 cd

ISO LUX DIAGRAM



3%	1,23 lx
5%	2,05 lx
10%	4,11 lx
30%	12,3 lx
50%	20,5 lx

Conditions:

Number of c-planes: 4

Lux at center: 41,1 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:

4321 lm

Peak candela output:

81846 cd

Light quality:

CRI: 93,6

Color temperature:

6690 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

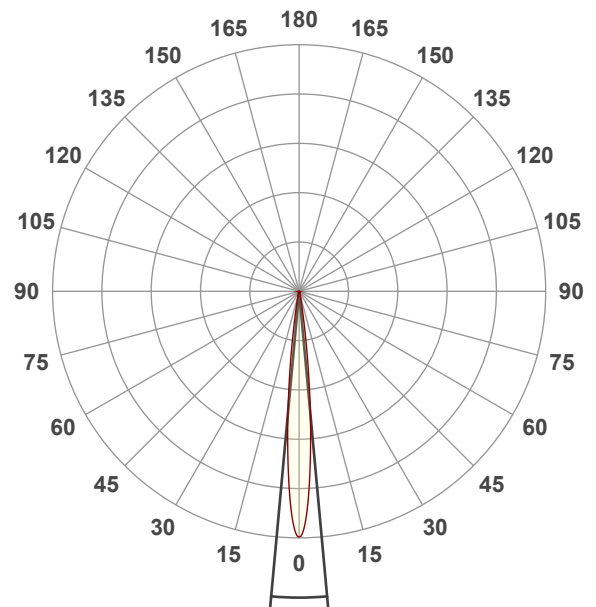
Cold White

Operator:

Giacomo Matteo

Date and time:

21/02/2024 15:34:01

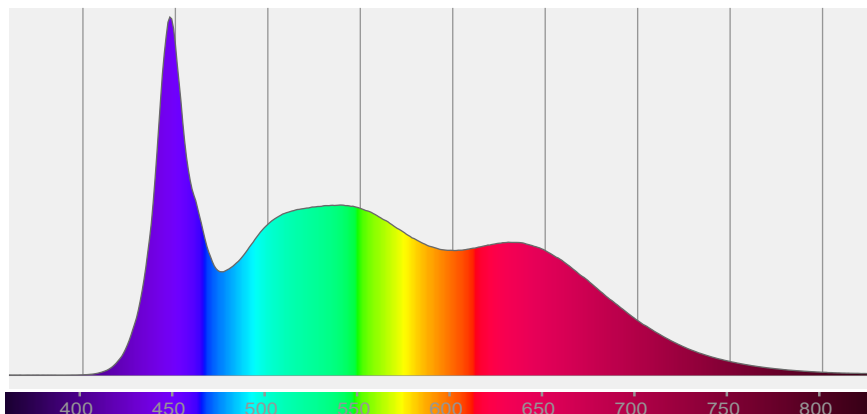


Beam angle 50%: 10,5°

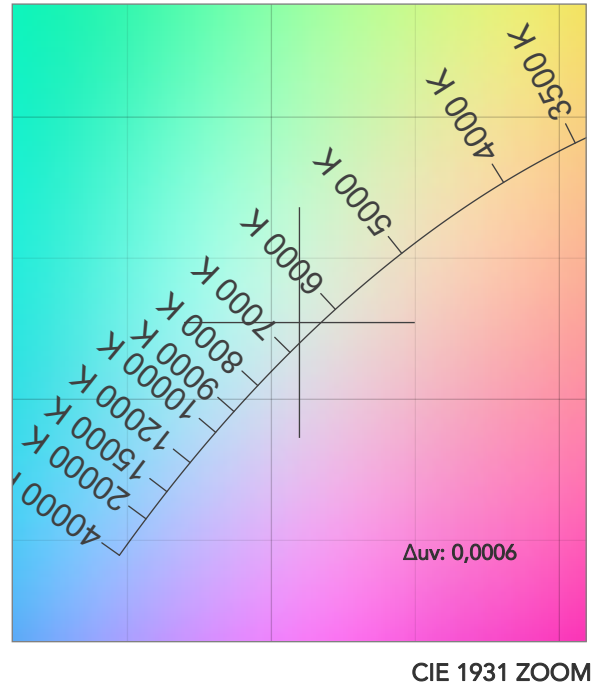
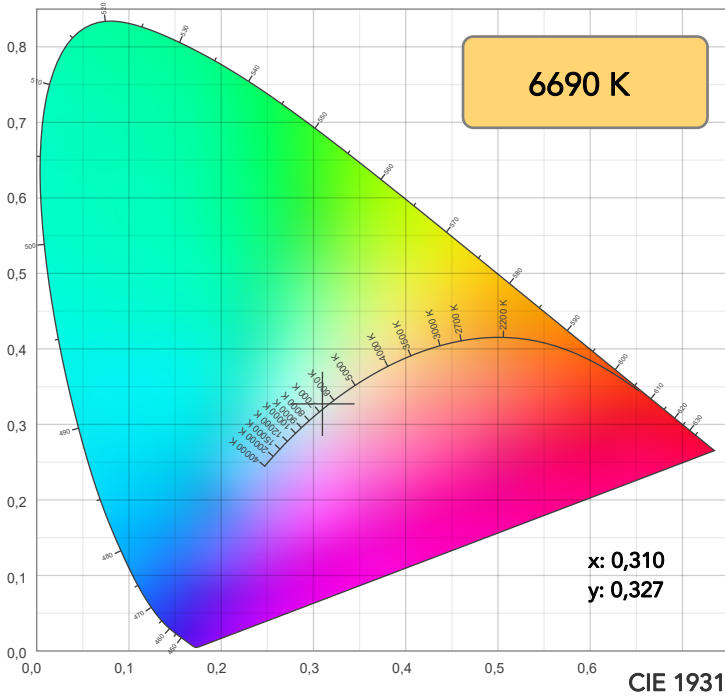
Field angle 10%: 18,8°

Cut off angle 2.5%: 27,3°

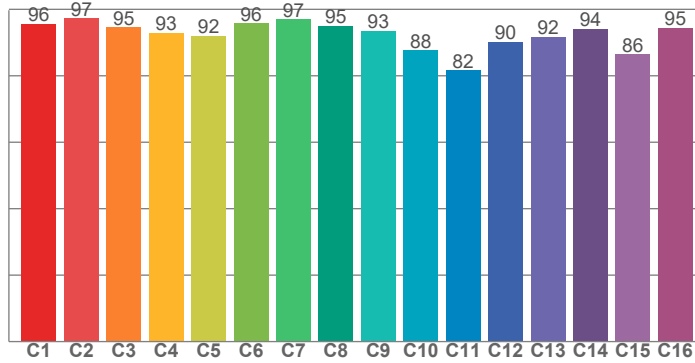
Spectra



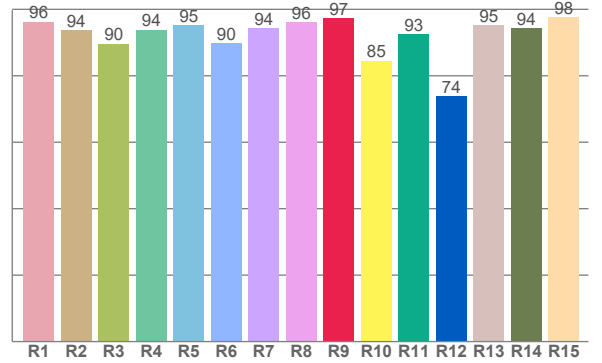
COLOR DETAILS



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
96,2	93,8	89,6	93,9	95,3	89,9	94,3	96,2	97,4	84,6	92,5	73,8	95,3	94,3	97,6

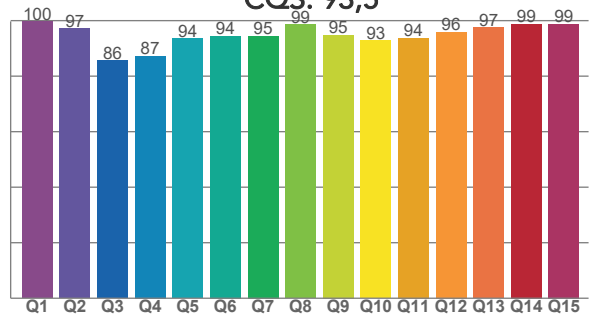
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,6	97,3	94,5	92,9	92,0	95,8	97,0	95,0	93,5	87,7	81,7	90,2	91,7	94,1	86,4	94,5

CQS Q values

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

CQS: 93,5



COLOR PARAMETERS

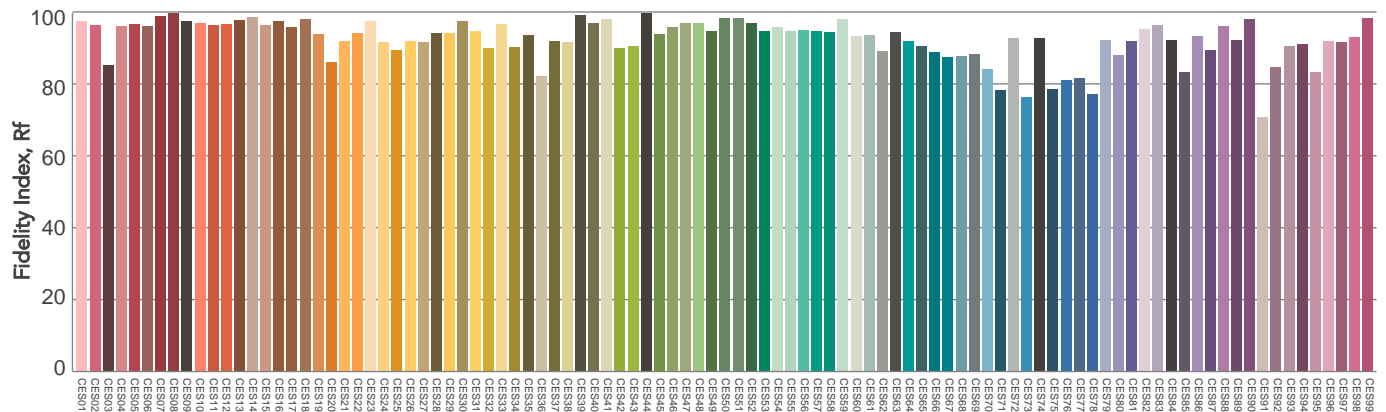
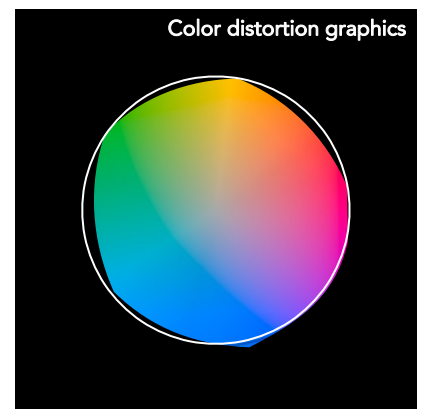
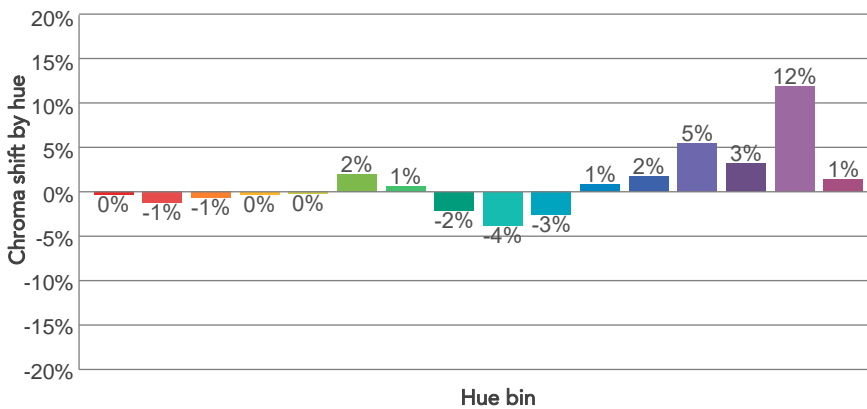
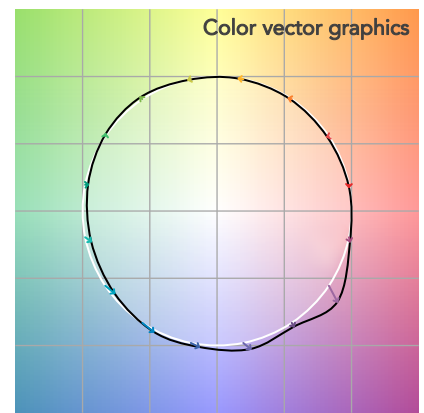
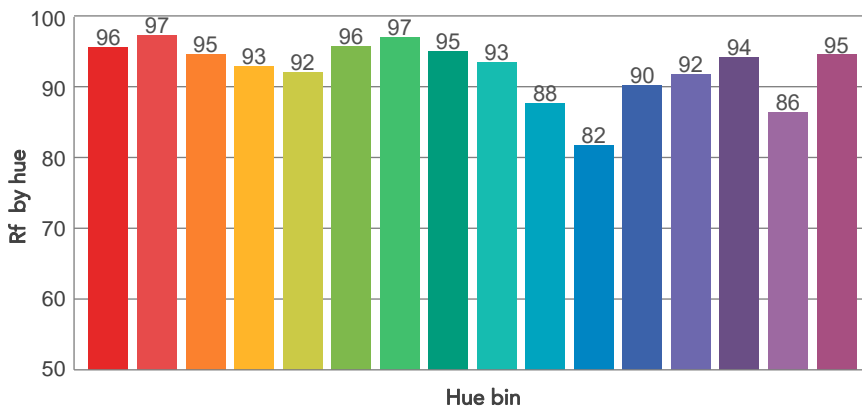
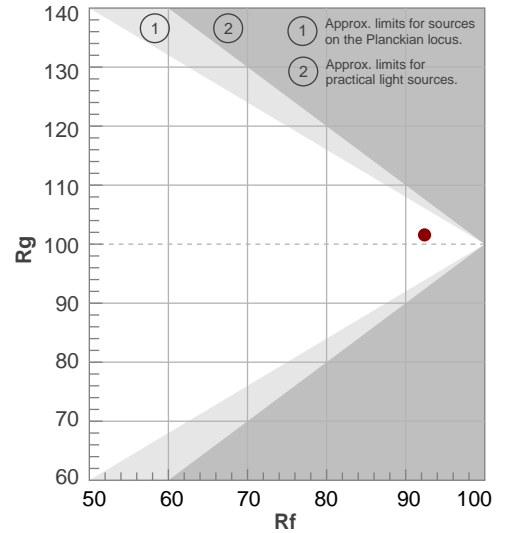
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6690 K	93,6	97,4	92,4	101,6	93,5	98	0,310	0,327	0,0006

TM30 DETAILS

Rf 92,4
Fidelity index Rf

Rg 101,6
Gammut index

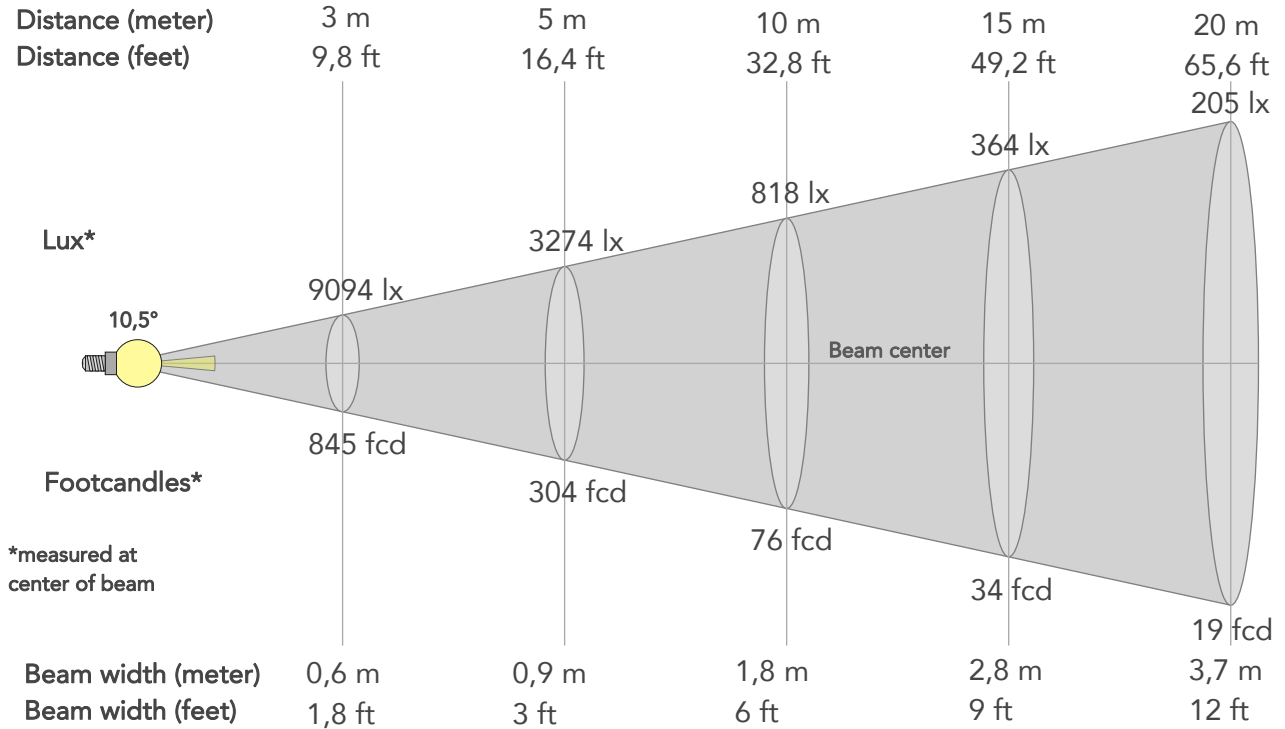
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-2%
2	97	-1%	0%
3	95	-1%	2%
4	93	0%	3%
5	92	0%	2%
6	96	2%	0%
7	97	1%	-1%
8	95	-2%	-1%
9	93	-4%	4%
10	88	-3%	8%
11	82	1%	11%
12	90	2%	7%
13	92	5%	4%
14	94	3%	0%
15	86	12%	-6%
16	95	1%	-3%



BEAM DETAILS



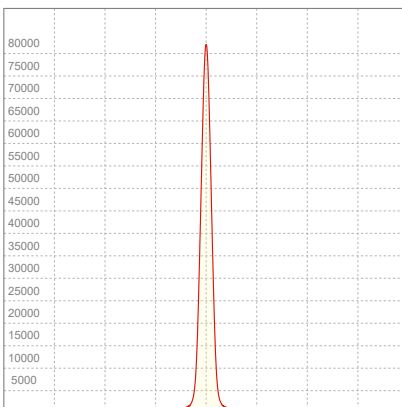
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,5°	18,8°	27,3°	96,5%	92,6%



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	81846lx	20461lx	9094lx	5115lx	3274lx	1455lx	818lx	364lx	205lx	131lx	91lx	51lx	33lx
Footcand.	7604fcd	1901fcd	845fcd	475fcd	304fcd	135fcd	76fcd	34fcd	19fcd	12fcd	8fcd	5fcd	3fcd
Beam wid.	0,2m	0,4m	0,6m	0,7m	0,9m	1,4m	1,8m	2,8m	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	24,1ft	30,1ft

LINEAR DISTRIBUTION DIAGRAM

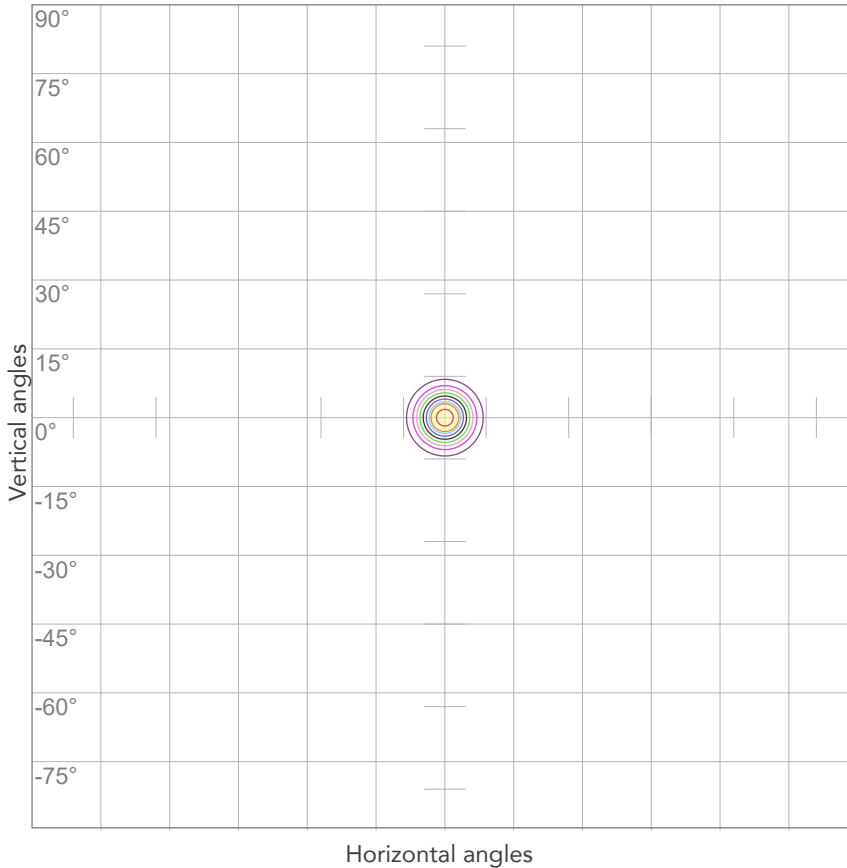


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,329A	67,9W	0,92	64lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



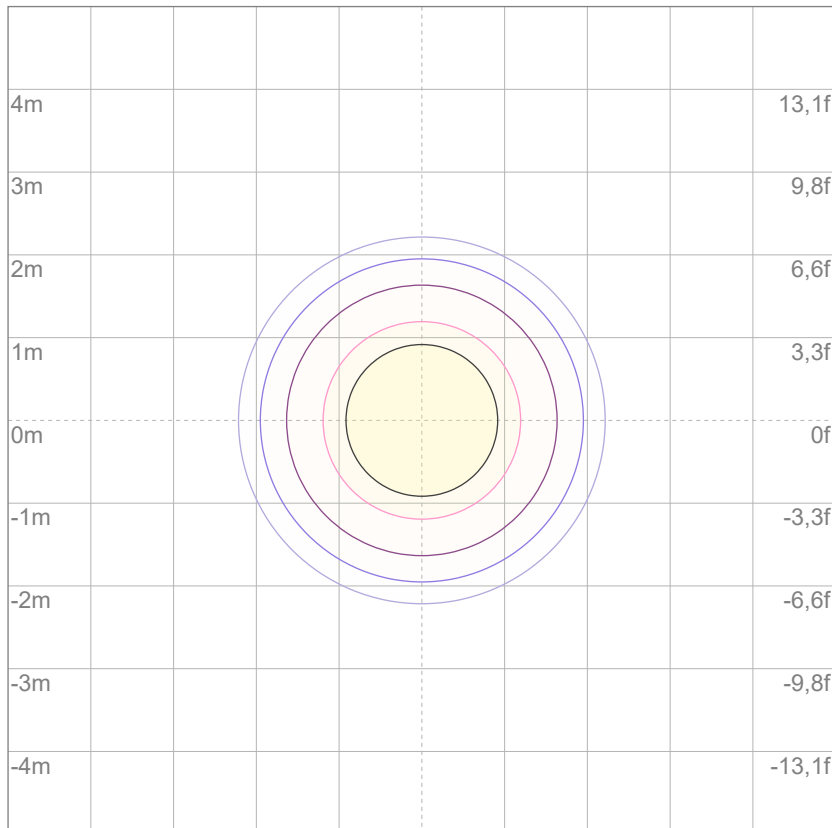
10%	8185 cd
20%	16369 cd
30%	24554 cd
40%	32738 cd
50%	40923 cd
60%	49107 cd
70%	57292 cd
80%	65476 cd

Conditions:

Number of c-planes: 2

Candela at center: 81846 cd

ISO LUX DIAGRAM



3%	24,6 lx
5%	40,9 lx
10%	81,8 lx
30%	246 lx
50%	409 lx

Conditions:

Number of c-planes: 2

Lux at center: 818 lx

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



Total lumen output:

4058 lm

Peak candela output:

15472 cd

Light quality:

CRI: 93,7

Color temperature:

6696 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

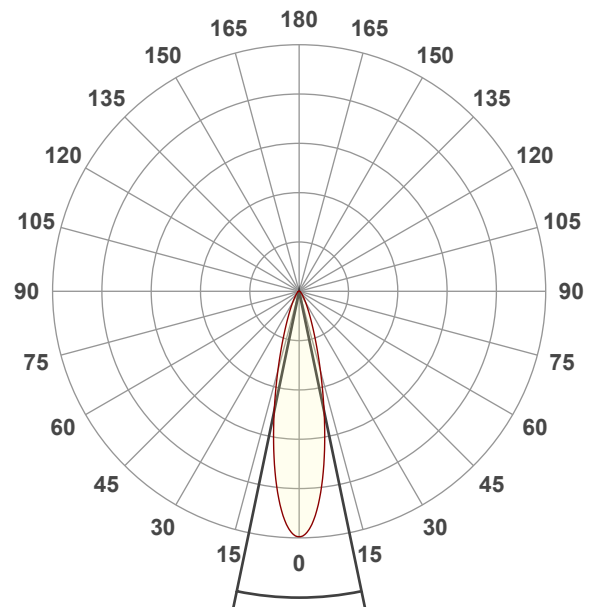
Cold White

Operator:

Giacomo Matteo

Date and time:

21/02/2024 16:04:22

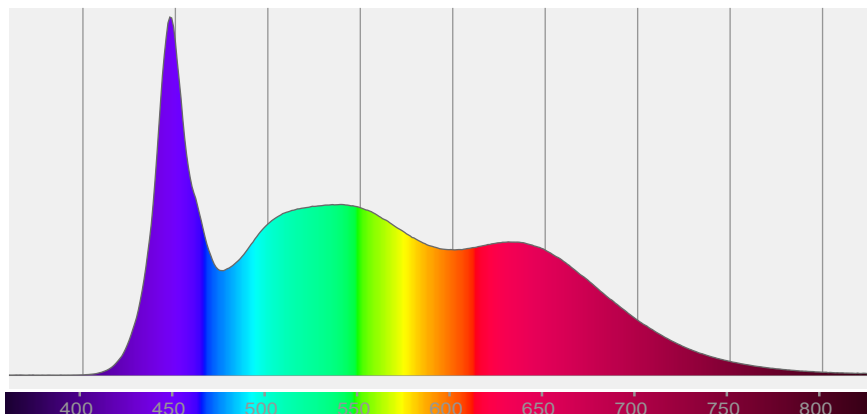


Beam angle 50%: 23,5°

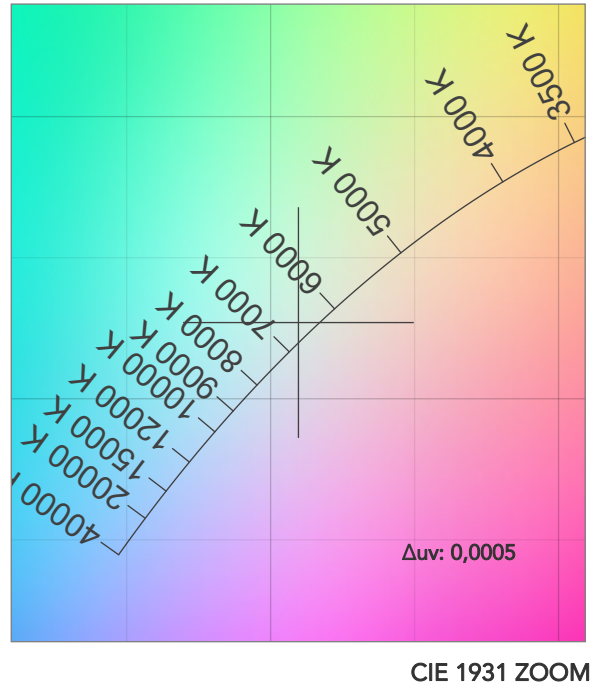
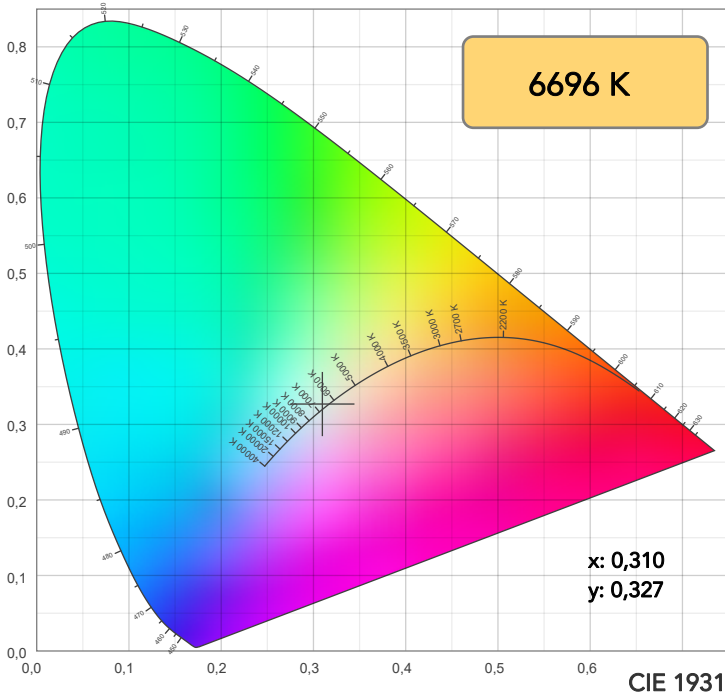
Field angle 10%: 48,6°

Cut off angle 2.5%: 76,6°

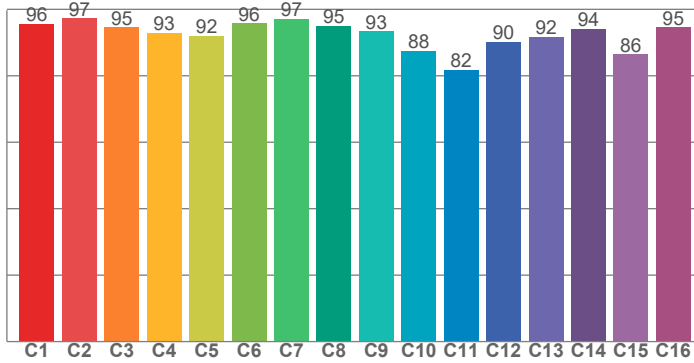
Spectra



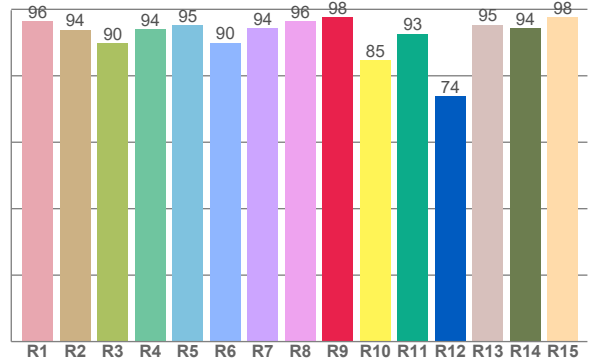
COLOR DETAILS



TM30: 92,4



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
96,3	93,9	89,7	94,0	95,3	90,0	94,4	96,3	97,5	84,7	92,6	73,8	95,4	94,4	97,7

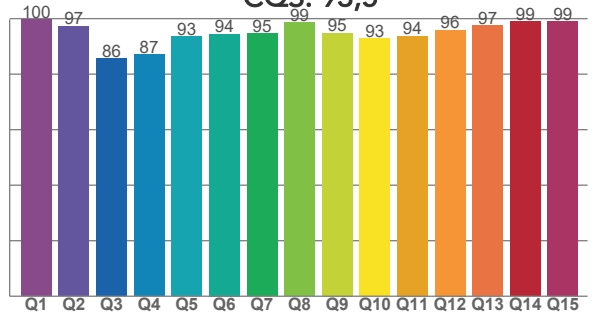
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,6	97,3	94,5	93,0	92,0	95,8	97,1	95,0	93,4	87,6	81,7	90,2	91,8	94,2	86,4	94,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,7	97,2	85,7	87,1	93,5	94,5	94,6	98,6	94,9	92,9	93,8	95,9	97,5	98,9	98,9

CQS: 93,5



COLOR PARAMETERS

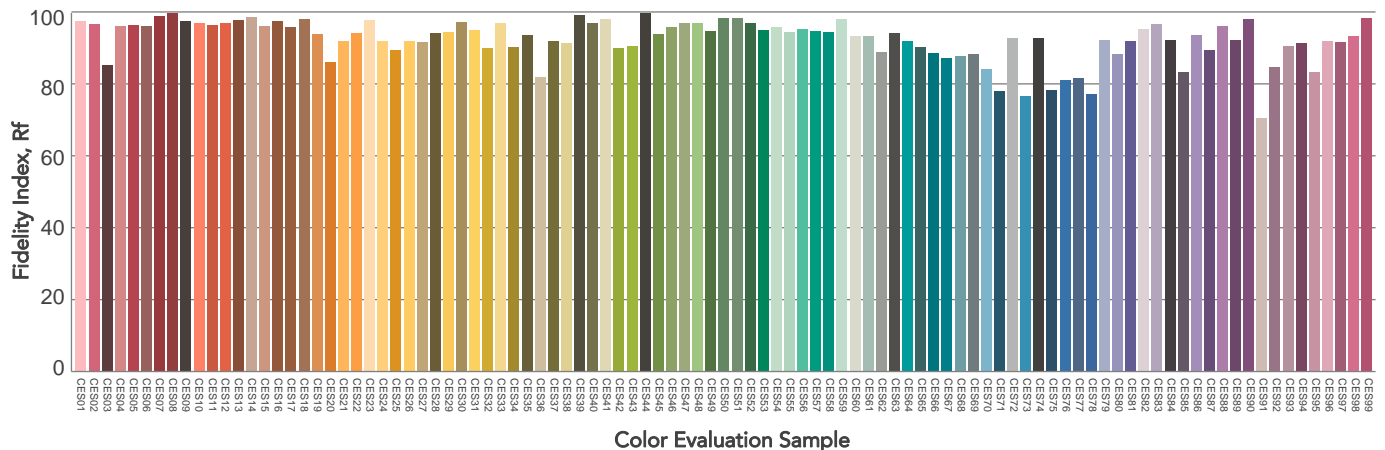
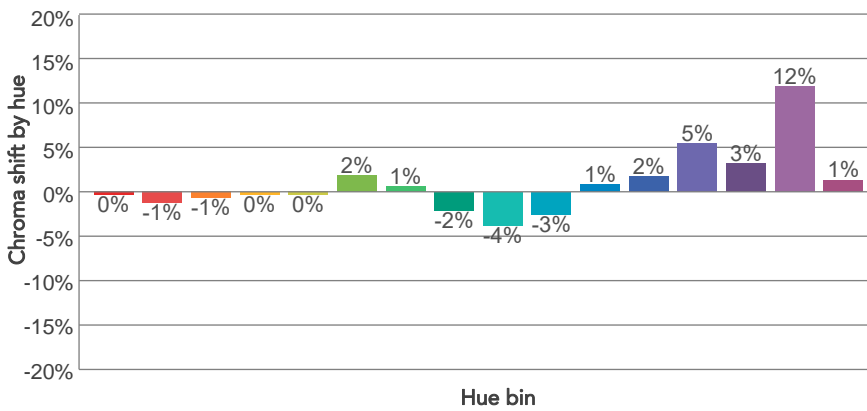
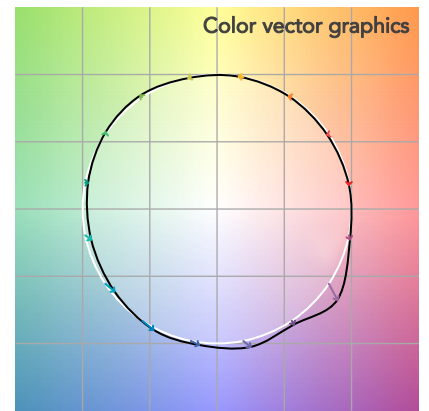
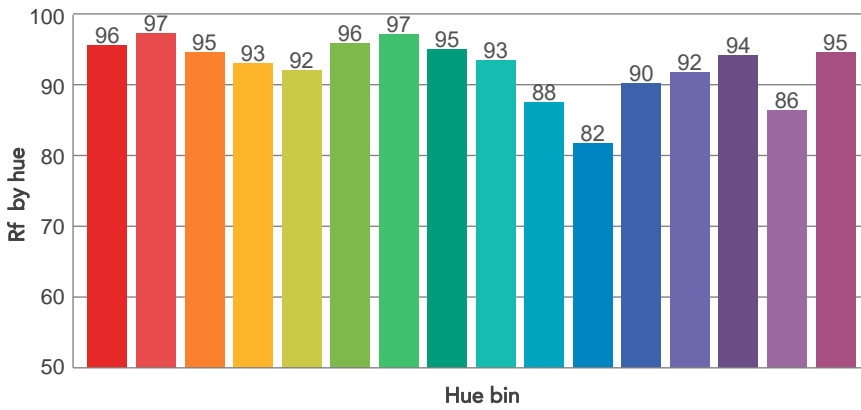
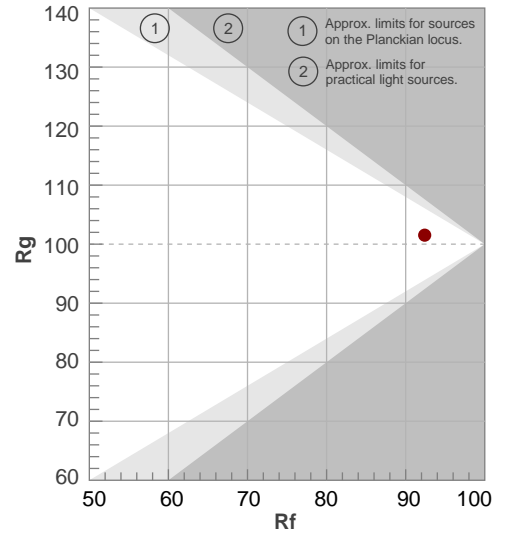
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6696 K	93,7	97,5	92,4	101,5	93,5	98	0,310	0,327	0,0005

TM30 DETAILS

Rf 92,4
Fidelity index Rf

Rg 101,5
Gammut index

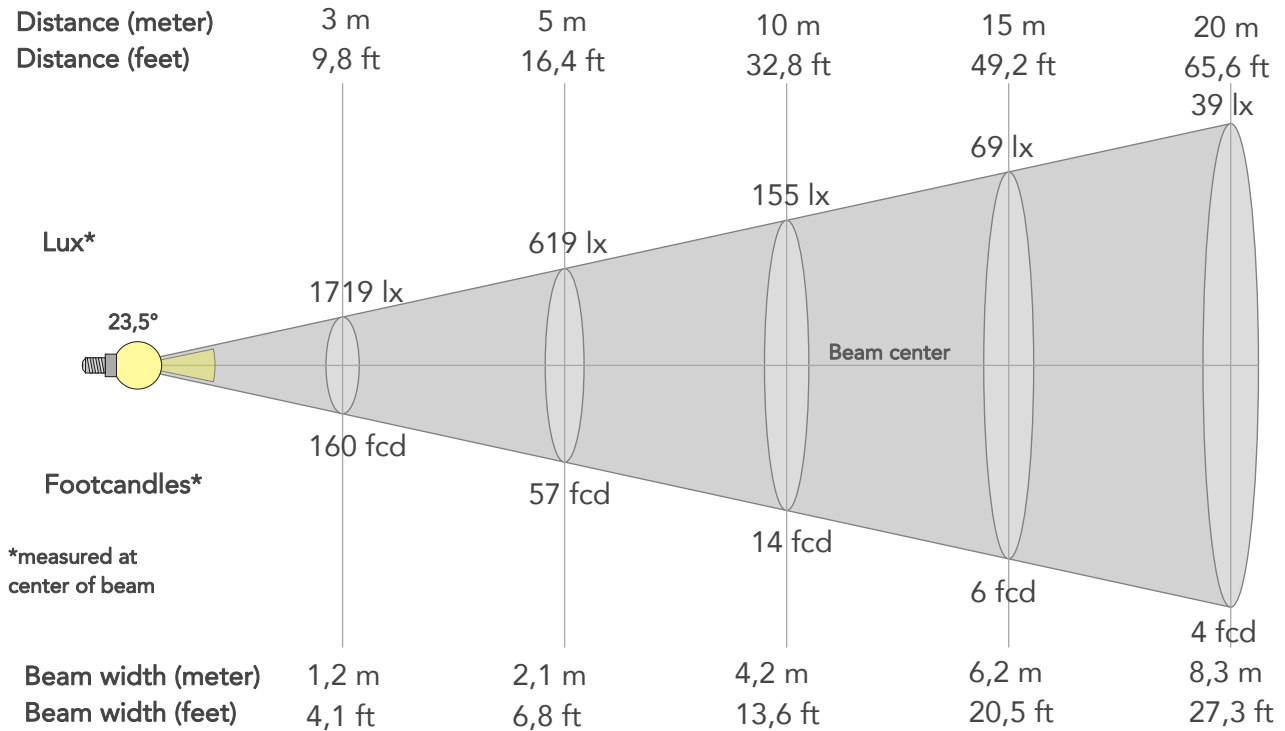
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	97	-1%	0%
3	95	-1%	2%
4	93	0%	3%
5	92	0%	2%
6	96	2%	0%
7	97	1%	-1%
8	95	-2%	-1%
9	93	-4%	4%
10	88	-3%	8%
11	82	1%	11%
12	90	2%	7%
13	92	5%	4%
14	94	3%	0%
15	86	12%	-6%
16	95	1%	-3%



BEAM DETAILS



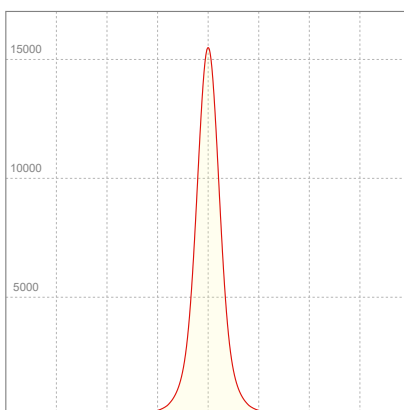
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,5°	48,6°	76,6°	96,8%	91,7%



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	15472lx	3868lx	1719lx	967lx	619lx	275lx	155lx	69lx	39lx	25lx	17lx	10lx	6lx
Footcand.	1437fcd	359fcd	160fcd	90fcd	57fcd	26fcd	14fcd	6fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,2m	6,2m	8,3m	10,4m	12,5m	16,6m	20,8m
Beam wid.	1,4ft	2,7ft	4,1ft	5,5ft	6,8ft	10,2ft	13,6ft	20,5ft	27,3ft	34,1ft	40,9ft	54,6ft	68,2ft

LINEAR DISTRIBUTION DIAGRAM

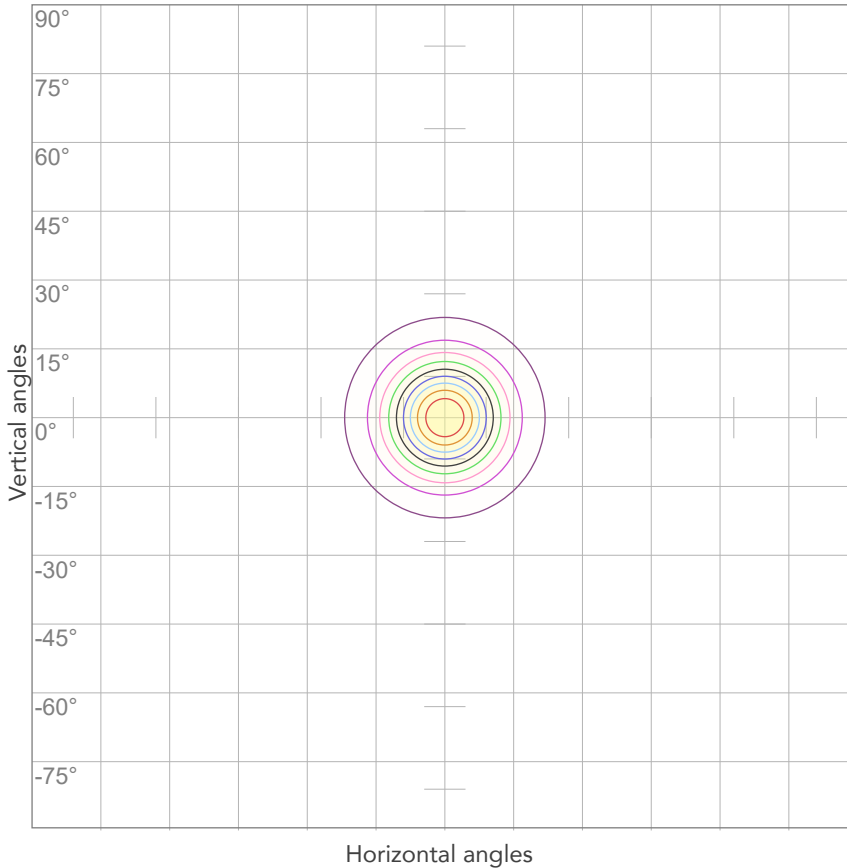


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,328A	67,8W	0,91	60lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



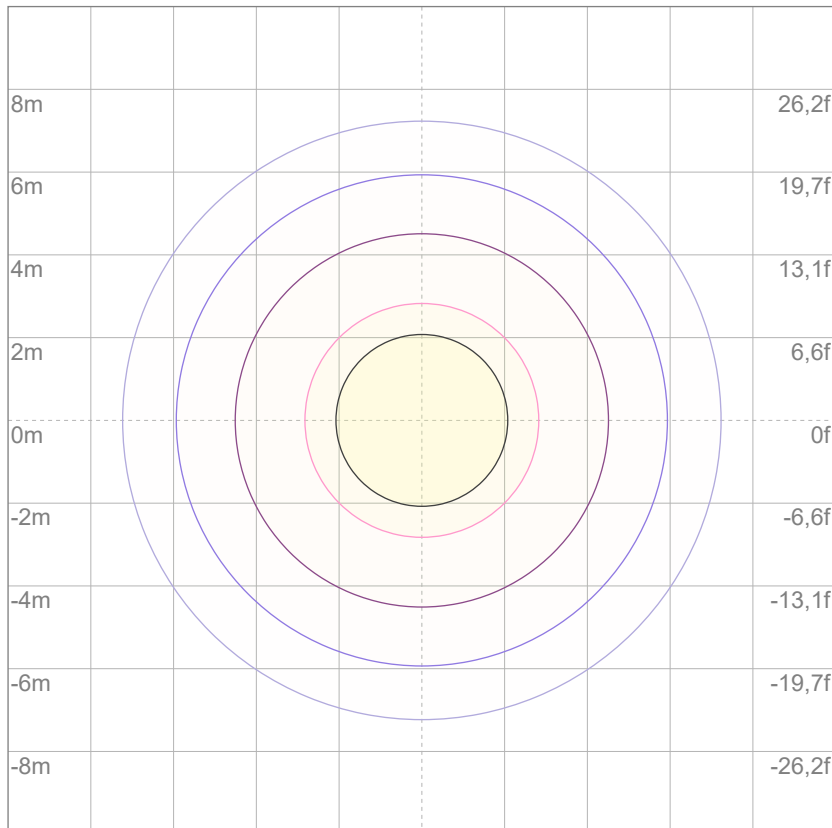
10%	1547 cd
20%	3094 cd
30%	4642 cd
40%	6189 cd
50%	7736 cd
60%	9283 cd
70%	10830 cd
80%	12377 cd

Conditions:

Number of c-planes: 2

Candela at center: 15472 cd

ISO LUX DIAGRAM



3%	4,64 lx
5%	7,74 lx
10%	15,5 lx
30%	46,4 lx
50%	77,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 155 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:

3835 lm

Peak candela output:

5018 cd

Light quality:

CRI: 93,7

Color temperature:

6732 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

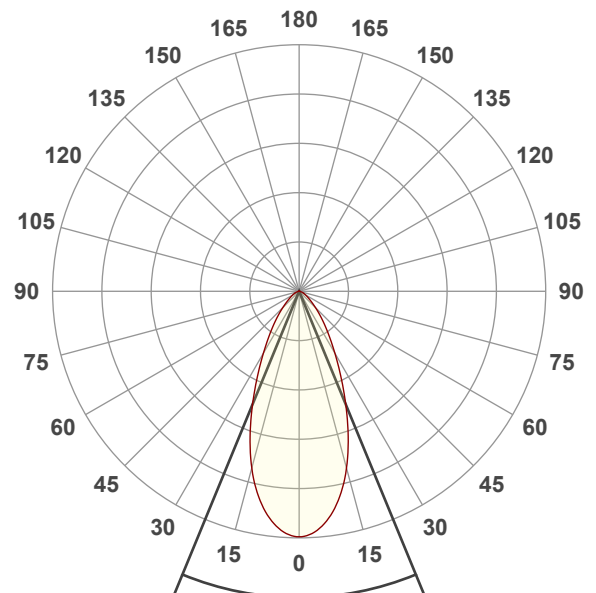
Cold White

Operator:

Giacomo Matteo

Date and time:

21/02/2024 16:31:48

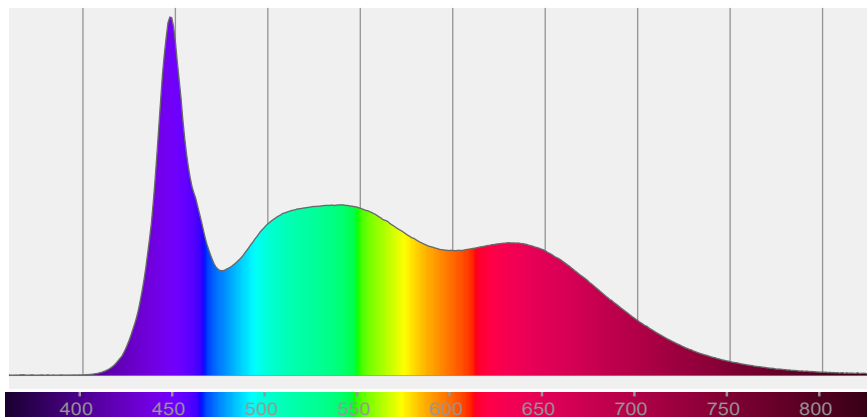


Beam angle 50%: 44,8°

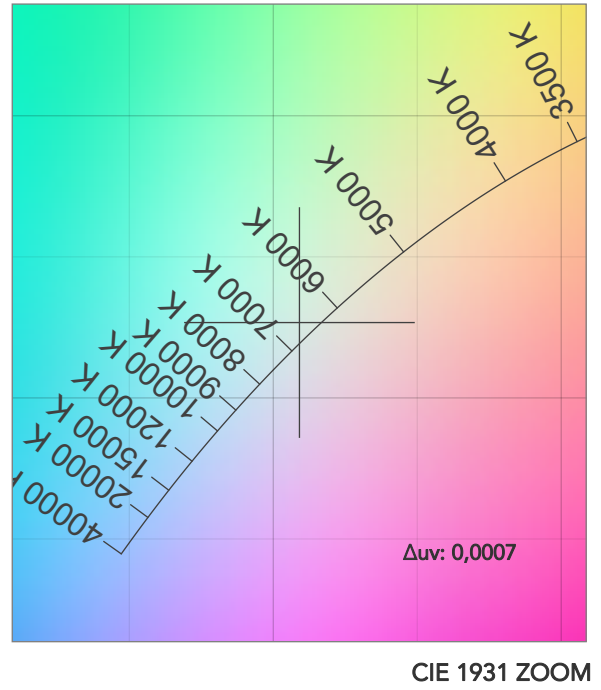
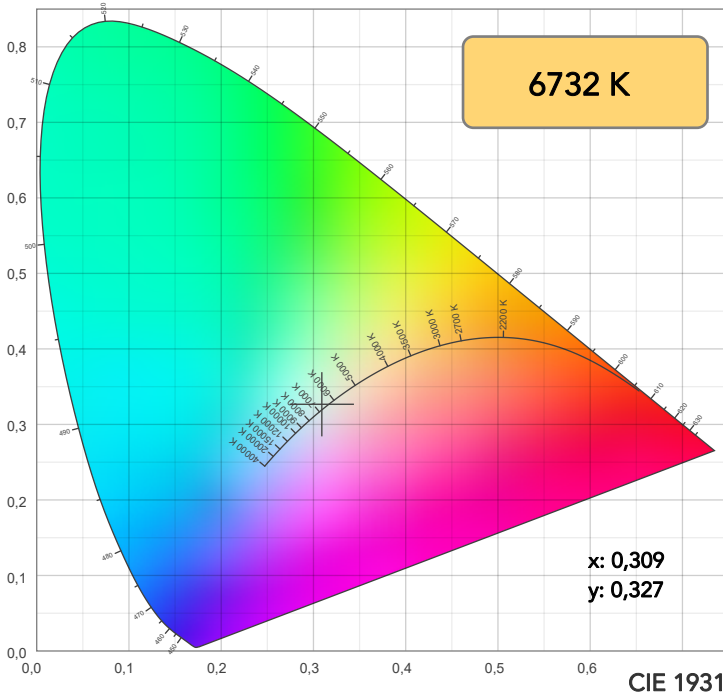
Field angle 10%: 88,7°

Cut off angle 2.5%: 126,7°

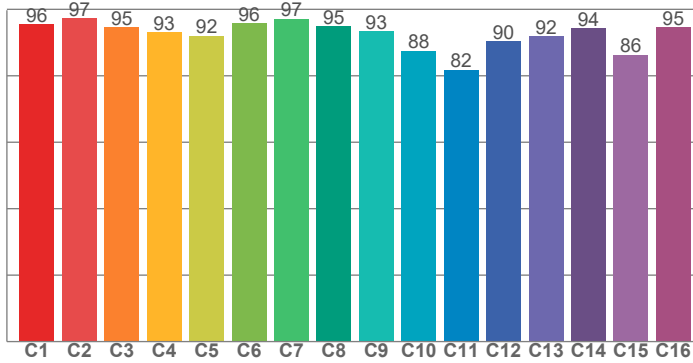
Spectra



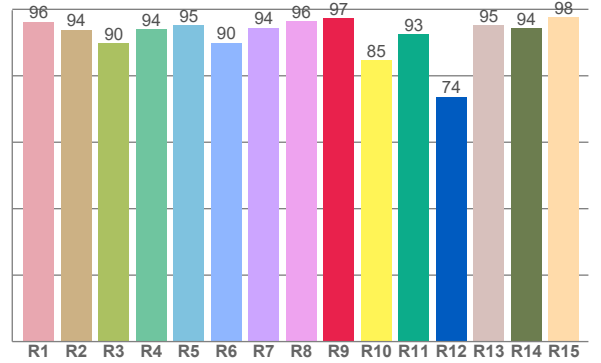
COLOR DETAILS



TM30: 92,4



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
96,2	93,8	89,8	94,0	95,2	89,9	94,4	96,3	97,3	84,7	92,6	73,7	95,3	94,4	97,5

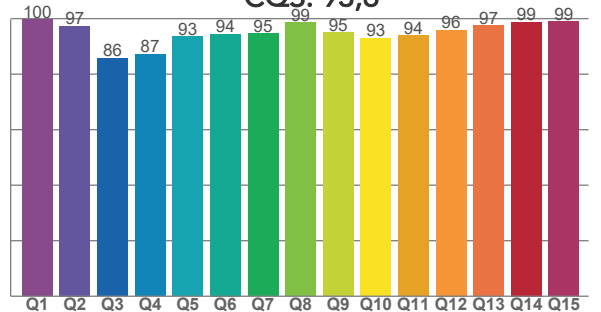
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,5	97,3	94,6	93,0	92,0	95,8	97,0	94,9	93,4	87,5	81,7	90,3	91,8	94,2	86,4	94,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,7	97,3	85,7	87,1	93,5	94,5	94,6	98,6	94,9	92,9	93,9	96,0	97,5	98,9	98,9

CQS: 93,6



COLOR PARAMETERS

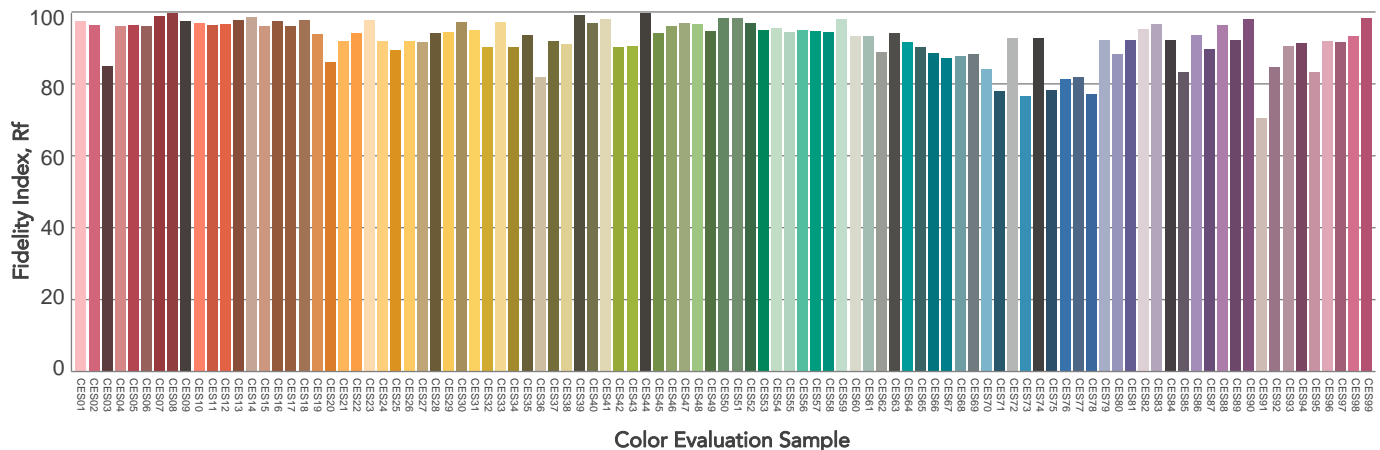
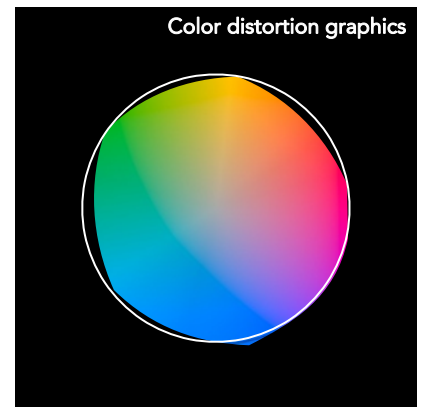
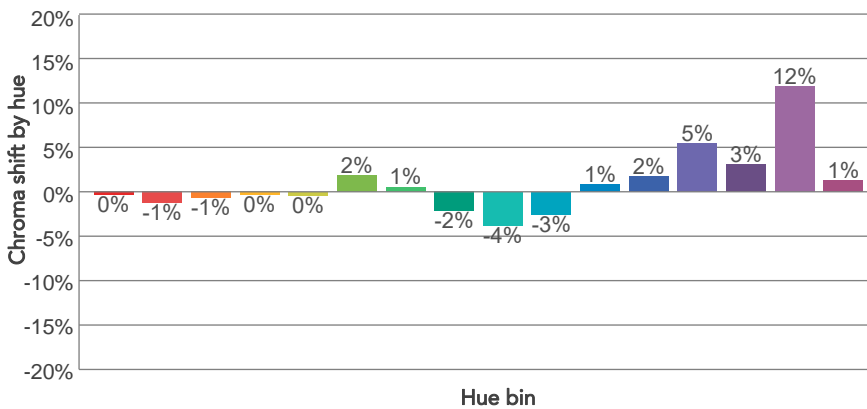
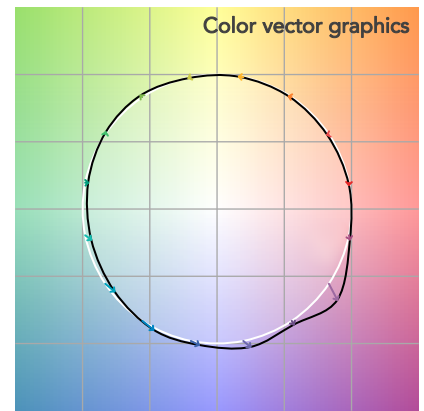
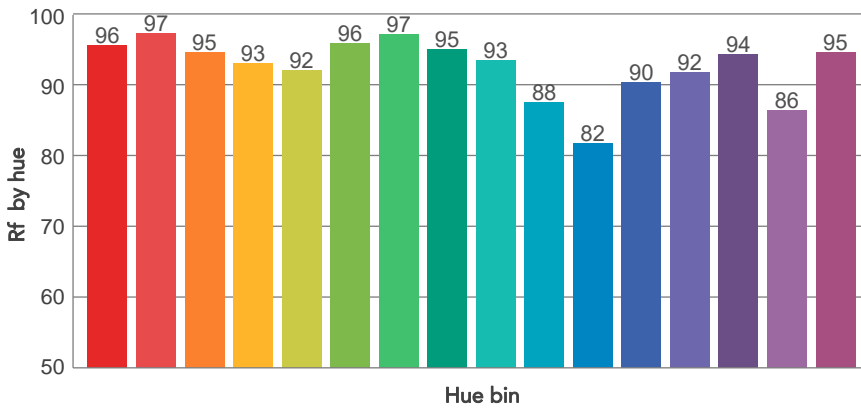
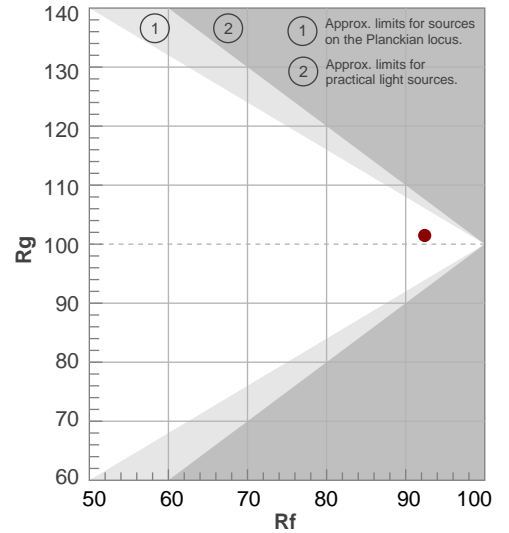
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6732 K	93,7	97,3	92,4	101,5	93,6	98	0,309	0,327	0,0007

TM30 DETAILS

Rf 92,4
Fidelity index Rf

Rg 101,5
Gammut index

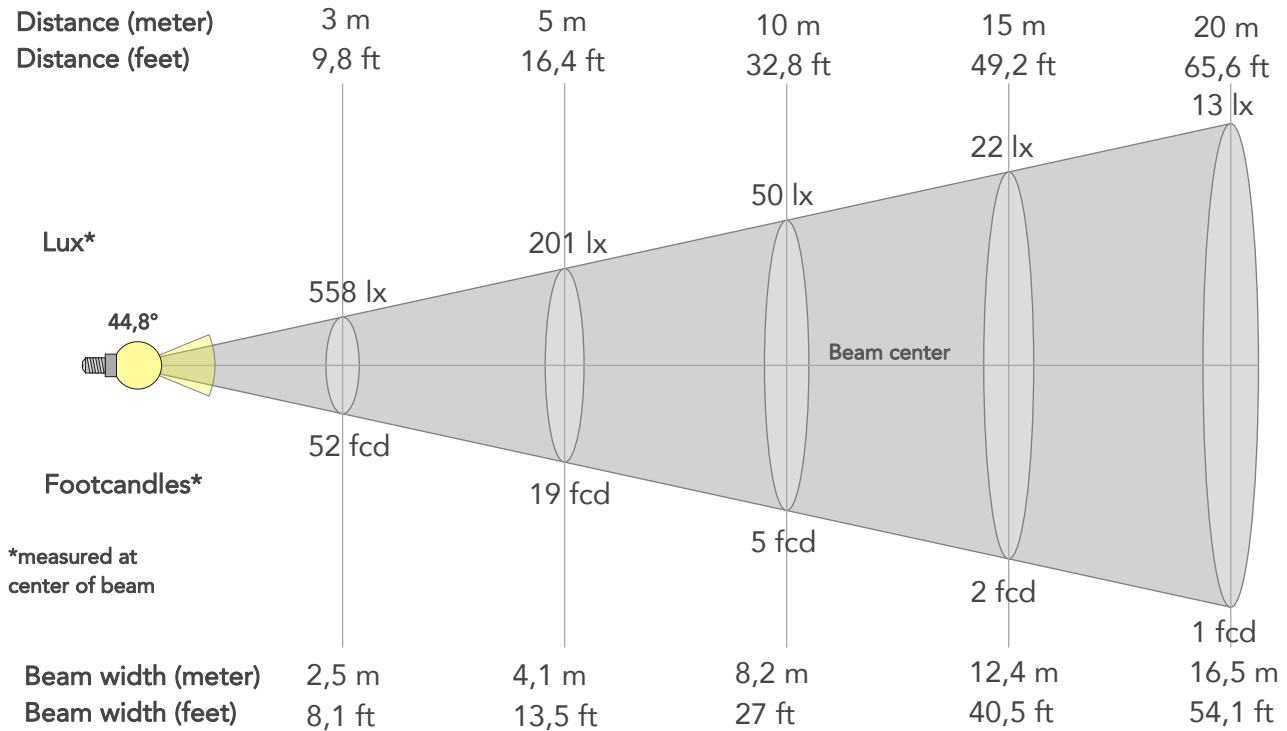
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-2%
2	97	-1%	0%
3	95	-1%	2%
4	93	0%	3%
5	92	0%	2%
6	96	2%	0%
7	97	1%	-1%
8	95	-2%	-1%
9	93	-4%	4%
10	88	-3%	9%
11	82	1%	11%
12	90	2%	6%
13	92	5%	4%
14	94	3%	0%
15	86	12%	-6%
16	95	1%	-3%



BEAM DETAILS



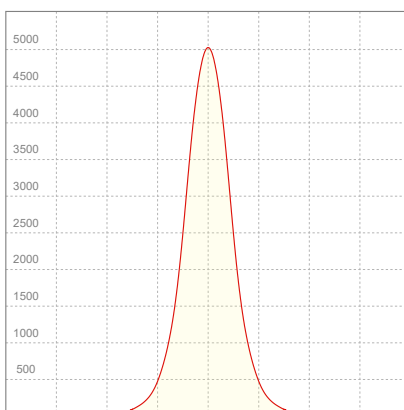
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,8°	88,7°	126,7°	95,6%	86,2%



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	5018lx	1254lx	558lx	314lx	201lx	89lx	50lx	22lx	13lx	8lx	6lx	3lx	2lx
Footcand.	466fcd	117fcd	52fcd	29fcd	19fcd	8fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,4m	16,5m	20,6m	24,7m	33m	41,2m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,3ft	27ft	40,5ft	54,1ft	67,6ft	81,1ft	108,1ft	135,2ft

LINEAR DISTRIBUTION DIAGRAM

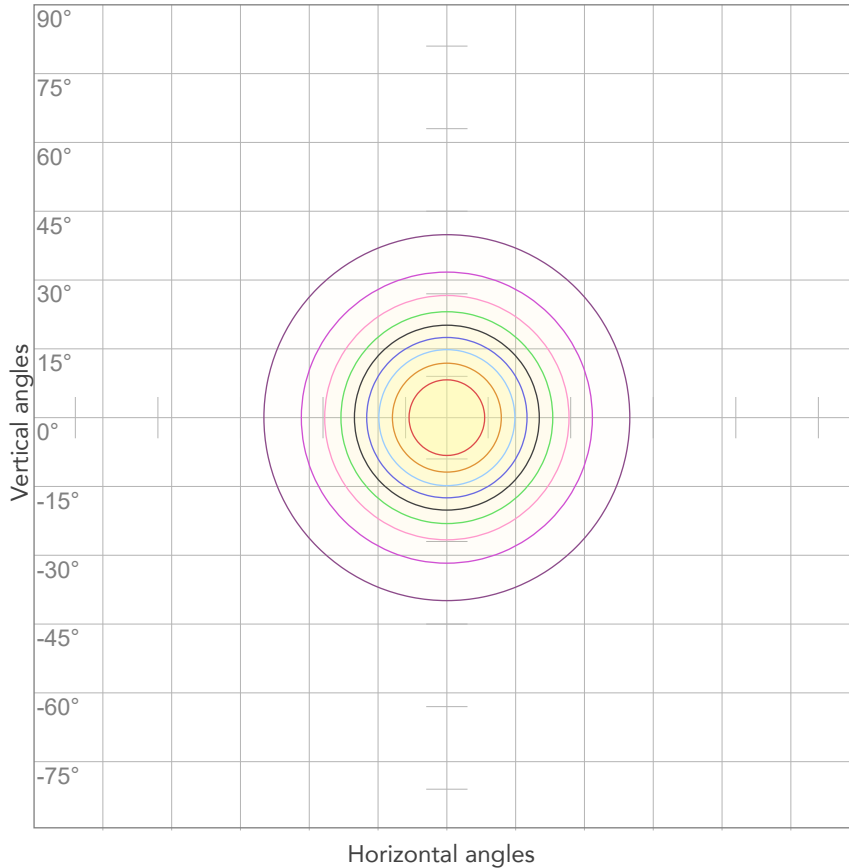


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,327A	67,8W	0,92	57lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



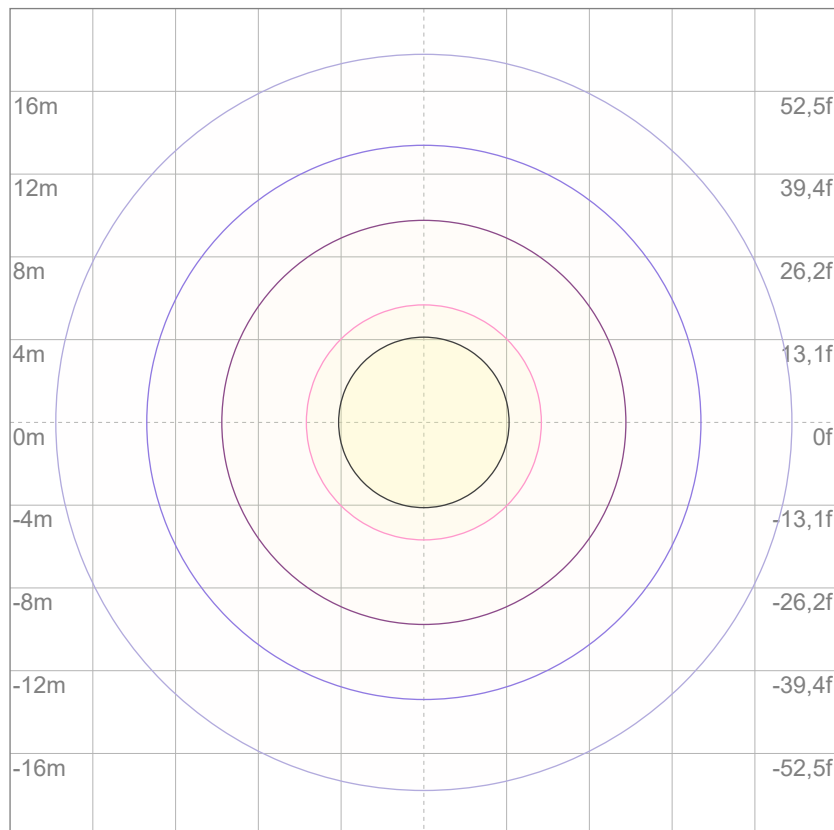
10%	502 cd
20%	1004 cd
30%	1505 cd
40%	2007 cd
50%	2509 cd
60%	3011 cd
70%	3512 cd
80%	4014 cd

Conditions:

Number of c-planes: 2

Candela at center: 5018 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,51 lx
5%	2,51 lx
10%	5,02 lx
30%	15,1 lx
50%	25,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 50,2 lx

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



Total lumen output:

3860 lm

Peak candela output:

3413 cd

Light quality:

CRI: 93,4

Color temperature:

6728 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

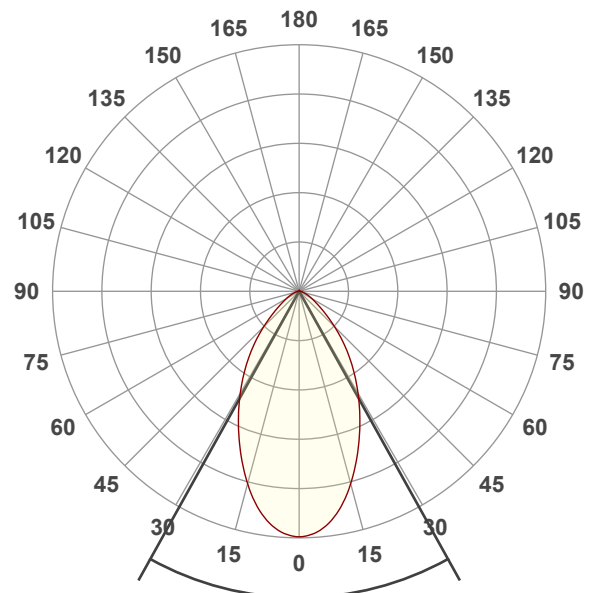
Cold White

Operator:

Giacomo Matteo

Date and time:

21/02/2024 17:14:36

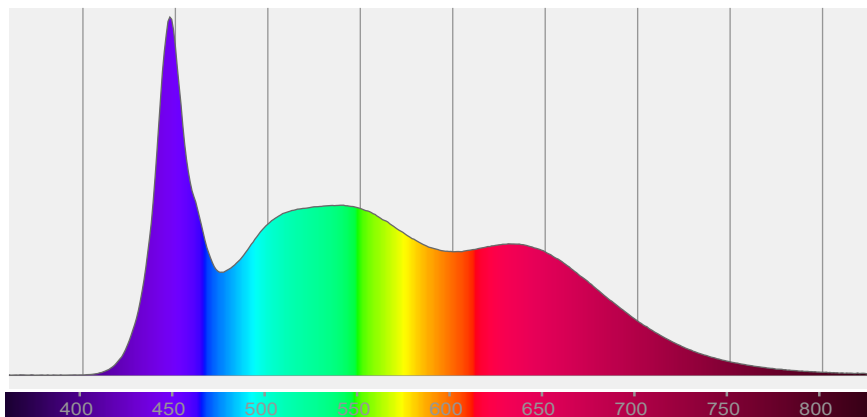


Beam angle 50%: 58,1°

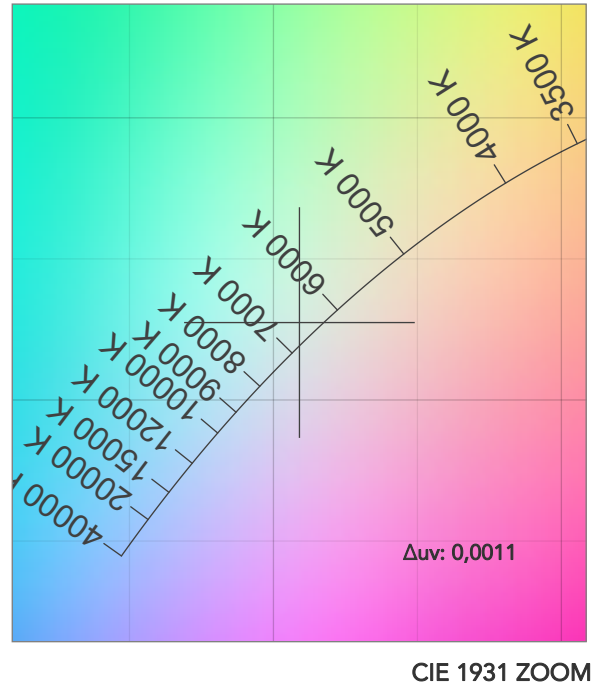
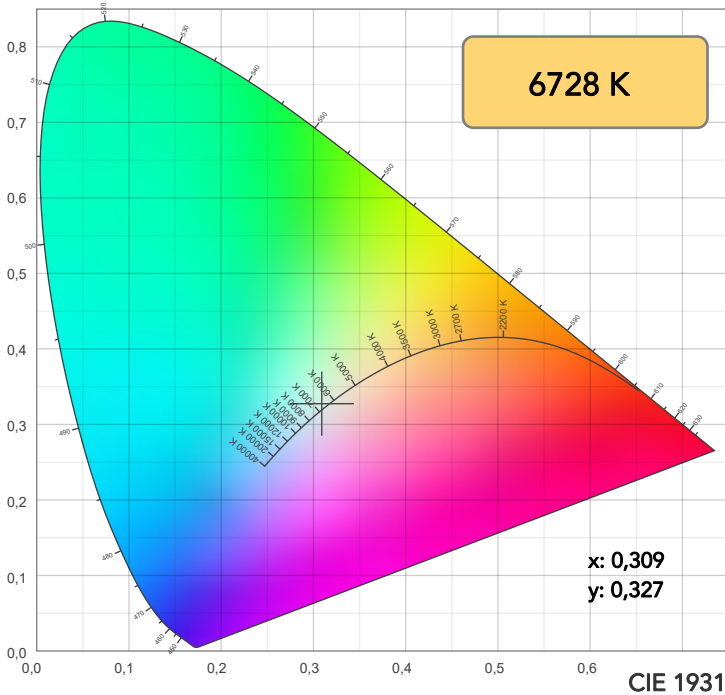
Field angle 10%: 107,4°

Cut off angle 2.5%: 141,7°

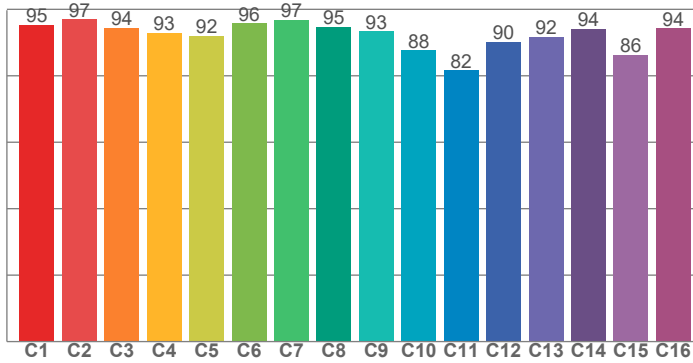
Spectra



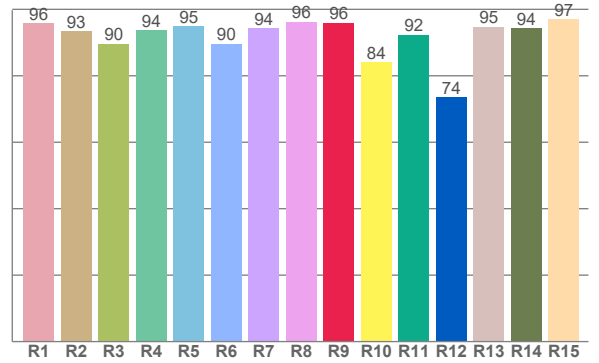
COLOR DETAILS



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
95,8	93,5	89,7	93,7	94,8	89,6	94,2	96,2	96,0	84,0	92,4	73,5	94,8	94,4	97,1

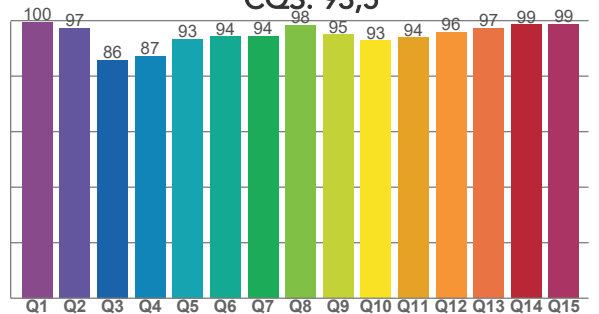
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,4	97,0	94,5	93,0	92,1	95,8	96,9	94,7	93,4	87,6	81,6	90,2	91,8	94,1	86,3	94,3

CQS Q values

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

CQS: 93,5



COLOR PARAMETERS

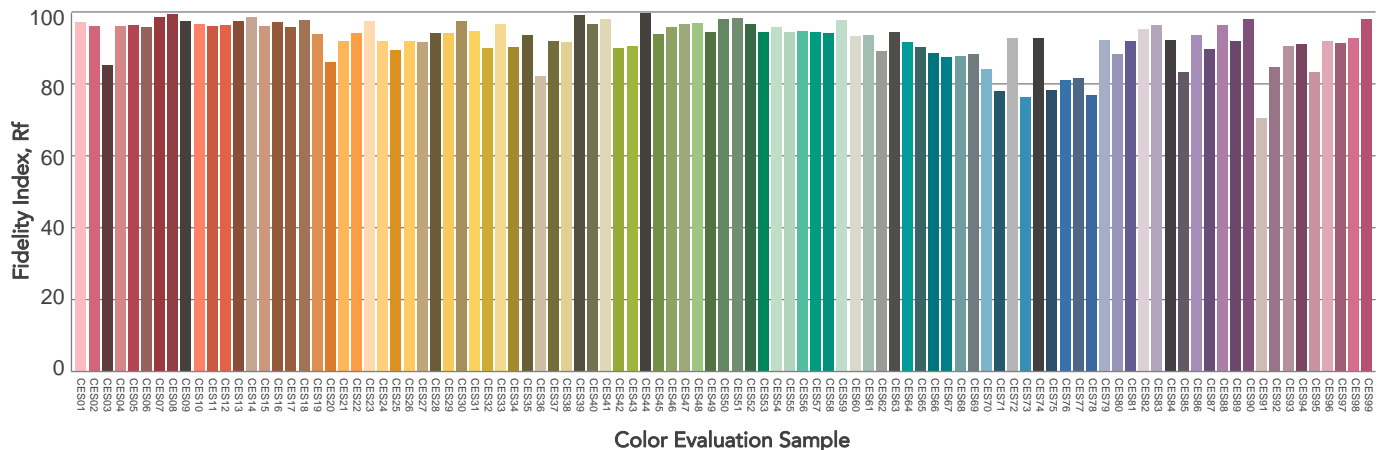
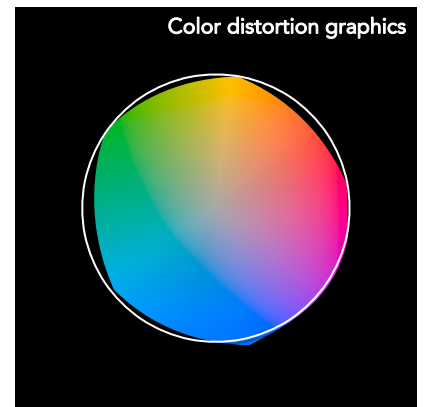
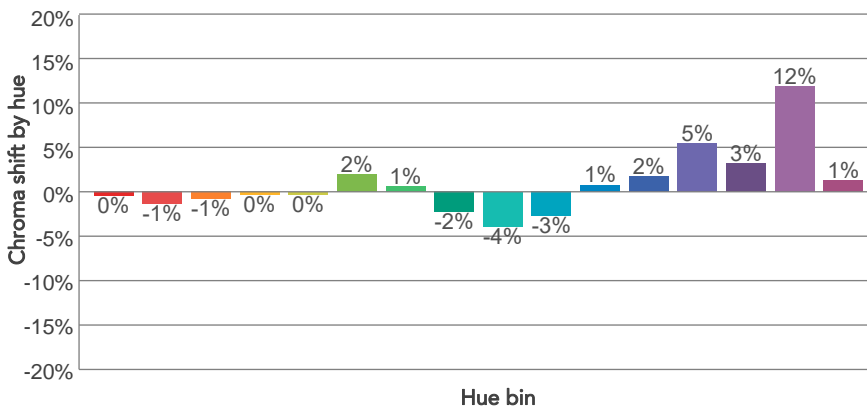
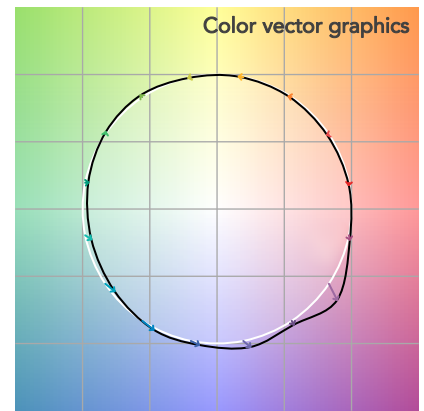
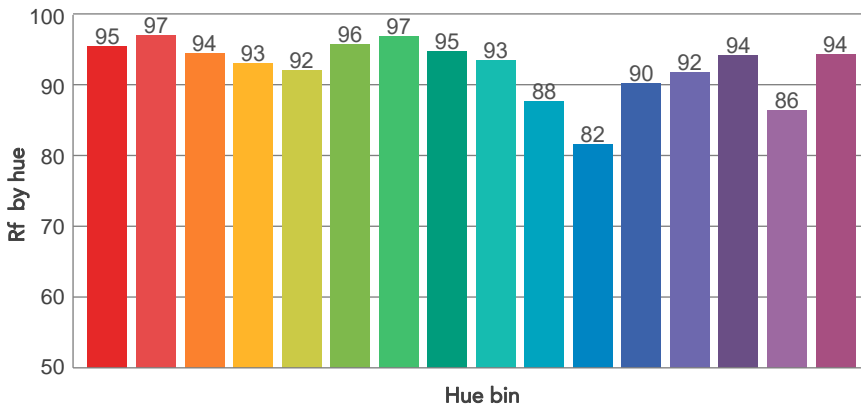
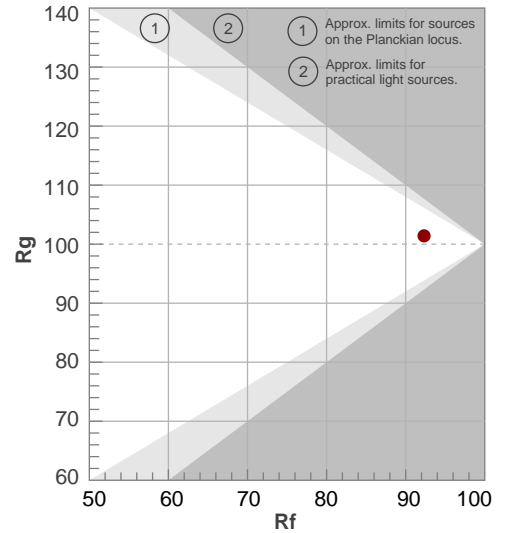
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6728 K	93,4	96,0	92,3	101,4	93,5	98	0,309	0,327	0,0011

TM30 DETAILS

Rf 92,3
Fidelity index Rf

Rg 101,4
Gammut index

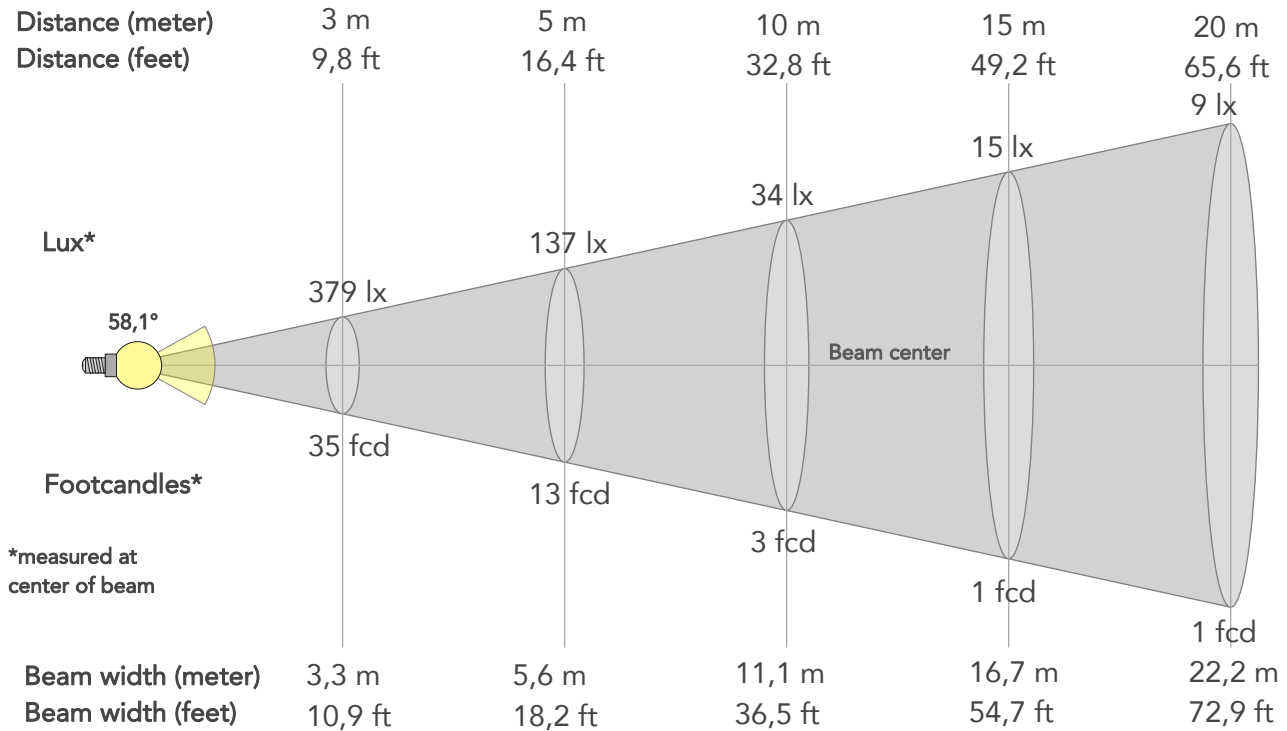
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	0%	-2%
2	97	-1%	0%
3	94	-1%	2%
4	93	0%	3%
5	92	0%	2%
6	96	2%	0%
7	97	1%	-2%
8	95	-2%	-1%
9	93	-4%	4%
10	88	-3%	8%
11	82	1%	11%
12	90	2%	7%
13	92	5%	4%
14	94	3%	0%
15	86	12%	-7%
16	94	1%	-3%



BEAM DETAILS



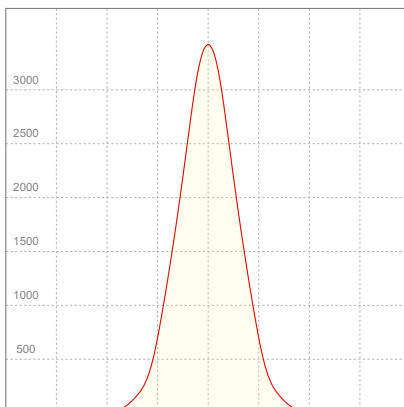
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,1°	107,4°	141,7°	94,2%	81,0%



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	3413lx	853lx	379lx	213lx	137lx	61lx	34lx	15lx	9lx	5lx	4lx	2lx	1lx
Footcand.	317fcd	79fcd	35fcd	20fcd	13fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,6m	8,3m	11,1m	16,7m	22,2m	27,8m	33,4m	44,5m	55,6m
Beam wid.	3,7ft	7,3ft	10,9ft	14,6ft	18,2ft	27,3ft	36,5ft	54,7ft	72,9ft	91,2ft	109,4ft	145,9ft	182,3ft

LINEAR DISTRIBUTION DIAGRAM

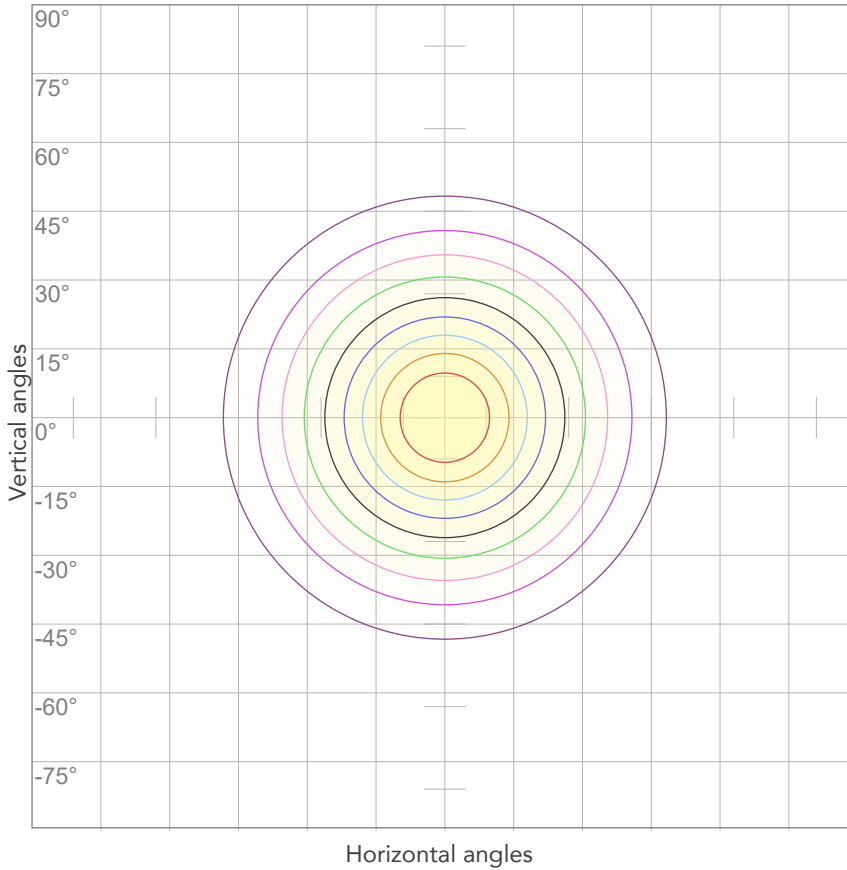


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,329A	68,1W	0,91	57lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



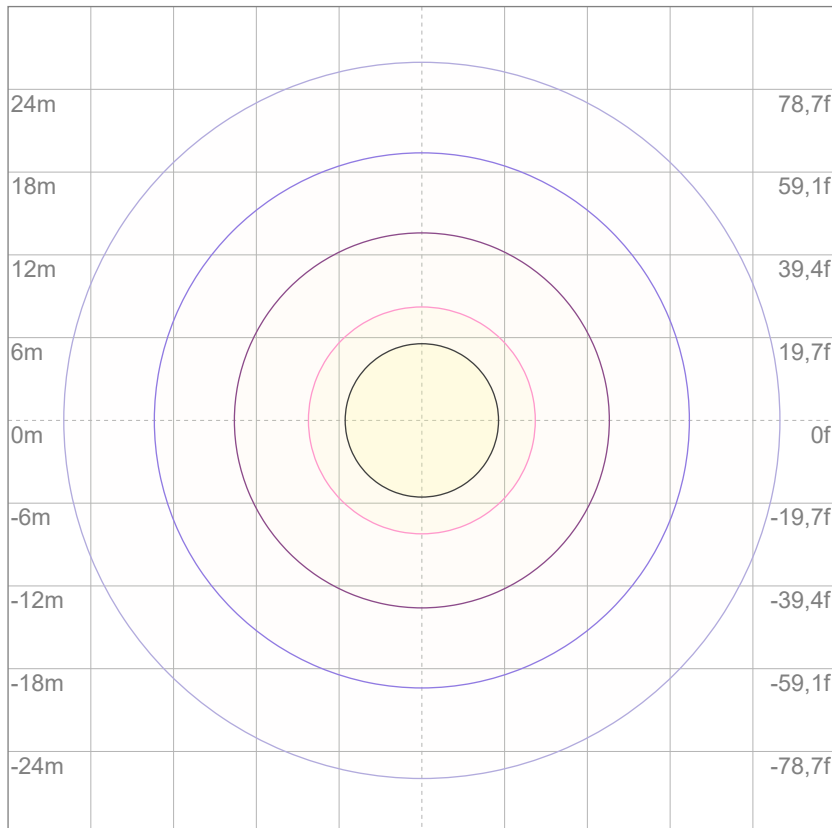
10%	341 cd
20%	683 cd
30%	1024 cd
40%	1365 cd
50%	1707 cd
60%	2048 cd
70%	2389 cd
80%	2731 cd

Conditions:

Number of c-planes: 2

Candela at center: 3413 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,02 lx
5%	1,71 lx
10%	3,41 lx
30%	10,2 lx
50%	17,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 34,1 lx

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



Total lumen output:

5845 lm

Peak candela output:

11774 cd

Light quality:

CRI: 93,3

Color temperature:

6606 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x60° Filter

Target:

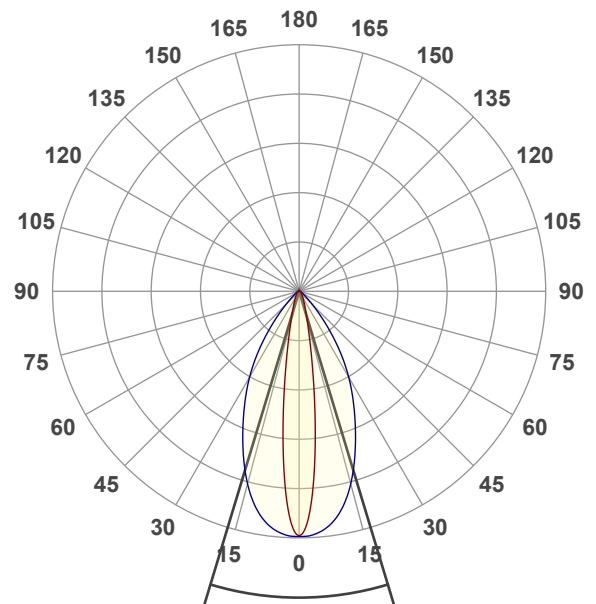
Cold White

Operator:

Giacomo Matteo

Date and time:

22/02/2024 10:55:40

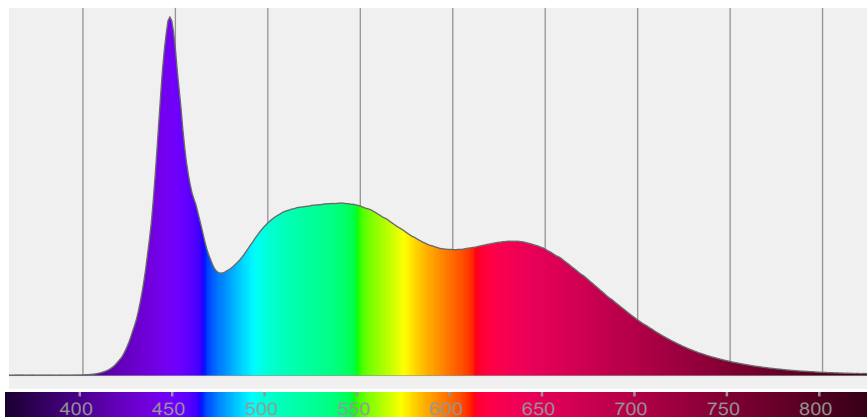


Beam angle 50%: 33,7°

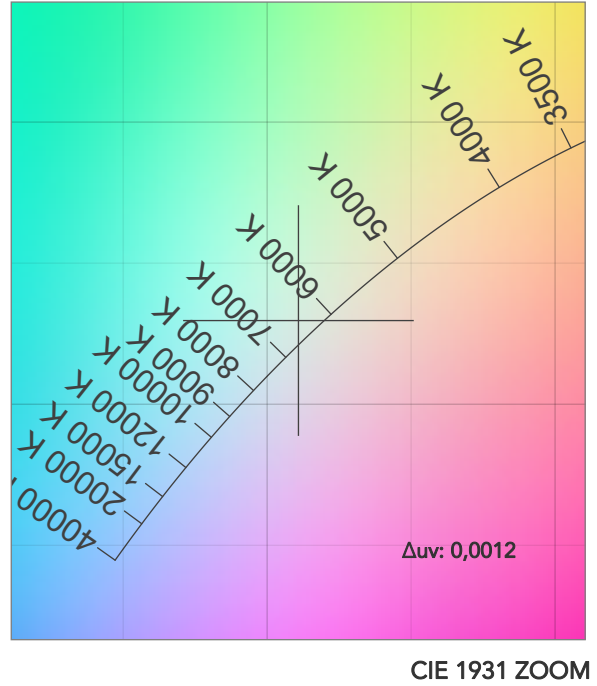
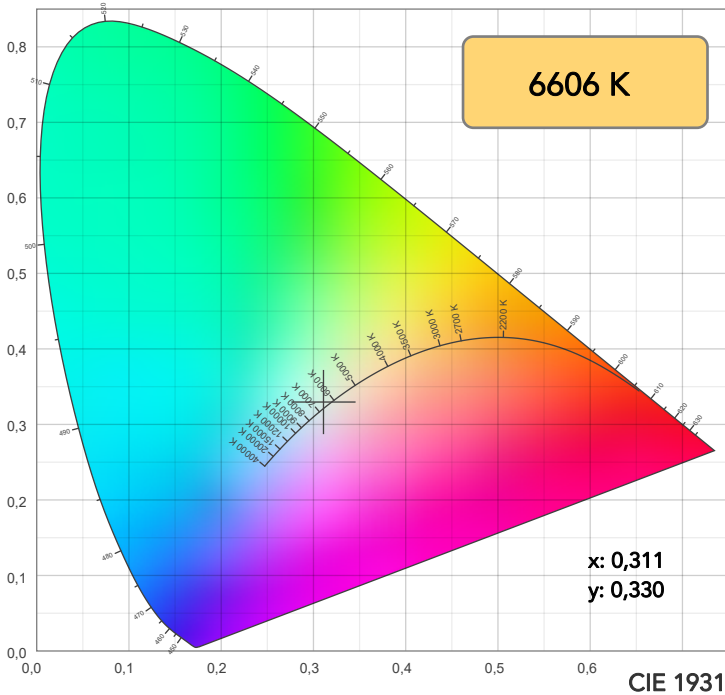
Field angle 10%: 60,2°

Cut off angle 2.5%: 88,1°

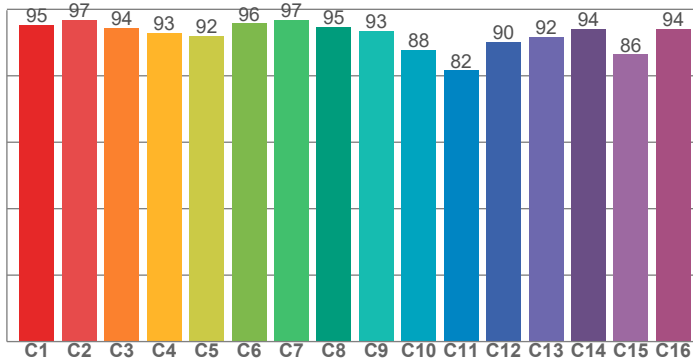
Spectra



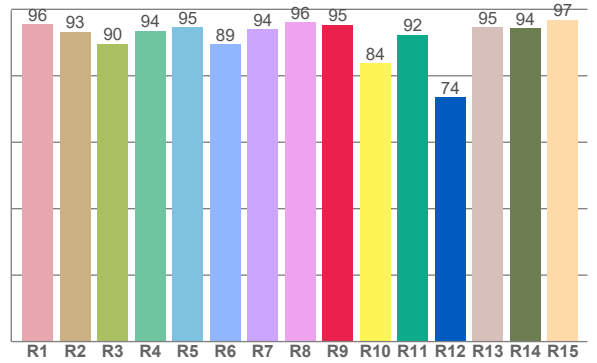
COLOR DETAILS



TM30: 92,3



CRI: 93,3 (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	93,3	89,6	93,6	94,6	89,5	94,1	96,1	95,3	83,7	92,3	73,6	94,6	94,4	96,9

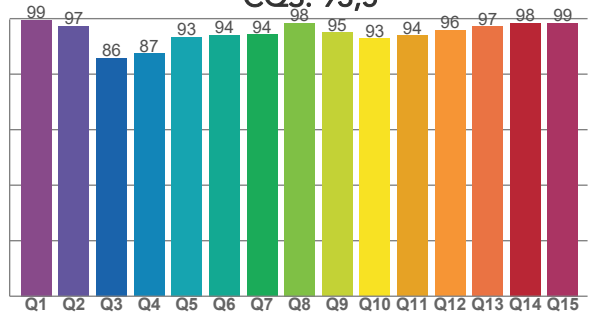
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,3	96,9	94,4	92,9	92,1	95,7	96,8	94,7	93,5	87,8	81,7	90,2	91,8	94,0	86,5	94,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,5	97,2	85,8	87,4	93,4	94,1	94,2	98,4	95,0	92,8	93,9	95,8	97,1	98,4	98,5

CQS: 93,5



COLOR PARAMETERS

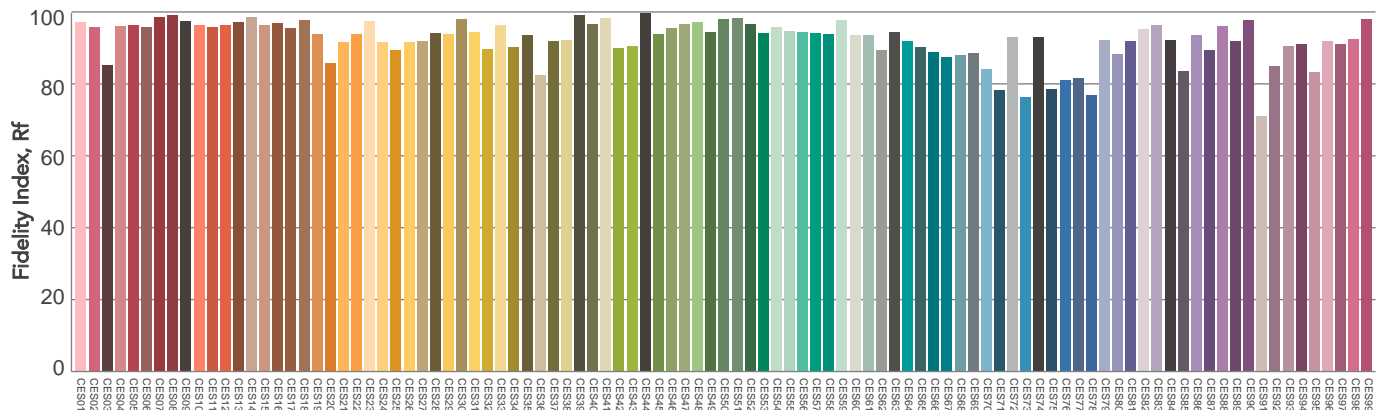
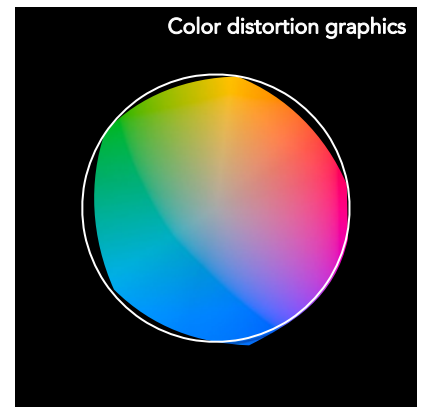
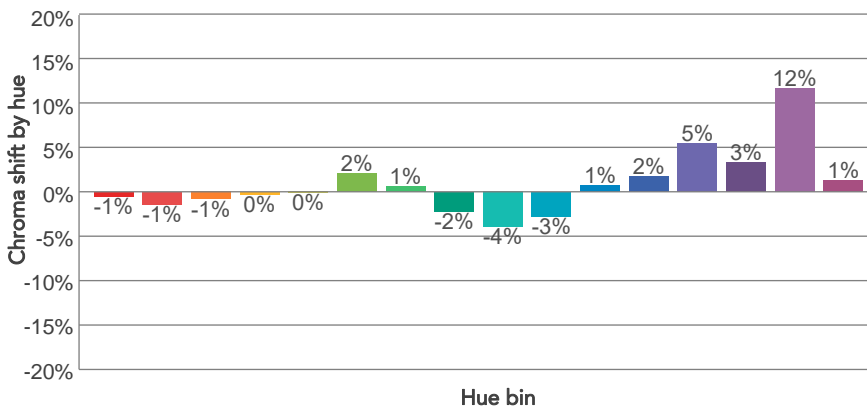
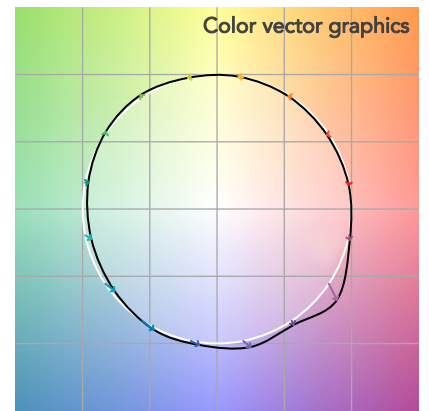
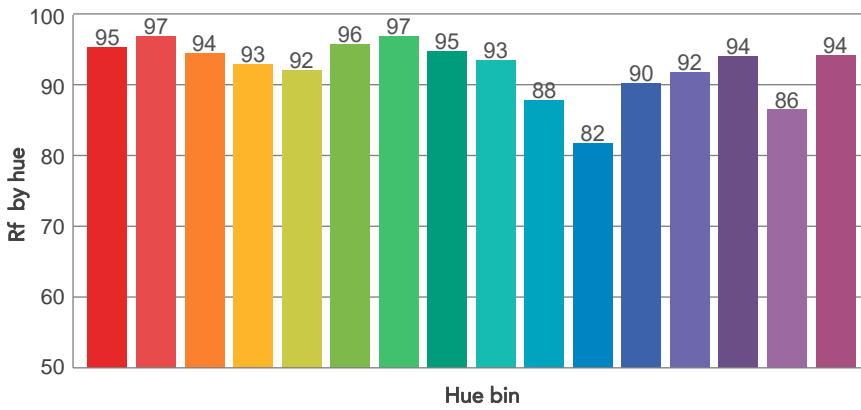
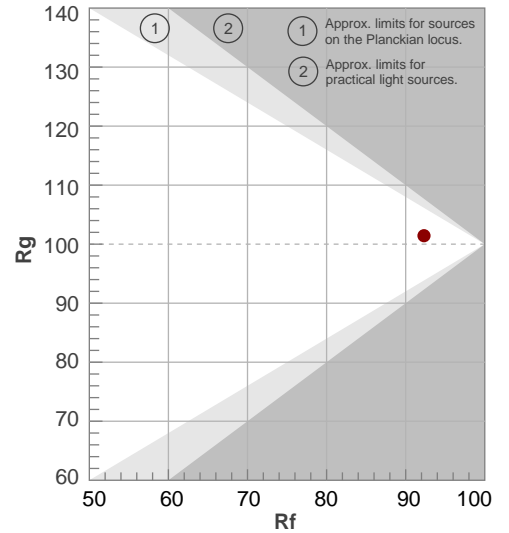
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6606 K	93,3	95,3	92,3	101,4	93,5	98	0,311	0,330	0,0012

TM30 DETAILS

Rf 92,3
Fidelity index Rf

Rg 101,4
Gammut index

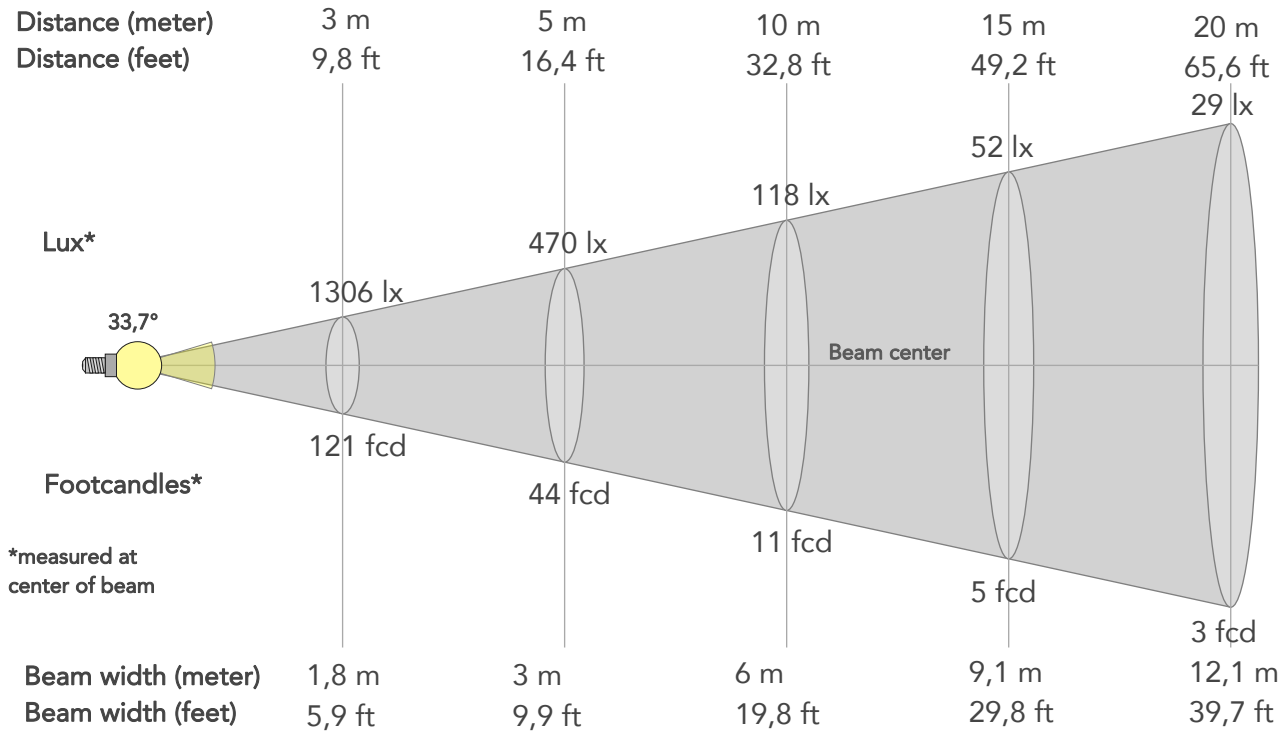
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-2%
2	97	-1%	0%
3	94	-1%	2%
4	93	0%	3%
5	92	0%	2%
6	96	2%	0%
7	97	1%	-2%
8	95	-2%	-1%
9	93	-4%	4%
10	88	-3%	8%
11	82	1%	11%
12	90	2%	7%
13	92	5%	4%
14	94	3%	0%
15	86	12%	-7%
16	94	1%	-3%



BEAM DETAILS



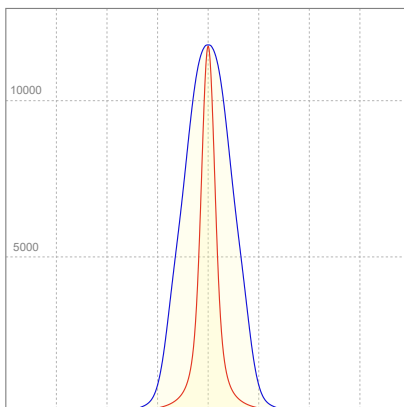
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,7°	60,2°	88,1°	97,2%	91,4%



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	11752lx	2938lx	1306lx	734lx	470lx	209lx	118lx	52lx	29lx	19lx	13lx	7lx	5lx
Footcand.	1092fcd	273fcd	121fcd	68fcd	44fcd	19fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9,1m	12,1m	15,1m	18,1m	24,2m	30,2m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,9ft	19,8ft	29,8ft	39,7ft	49,6ft	59,5ft	79,4ft	99,2ft

LINEAR DISTRIBUTION DIAGRAM

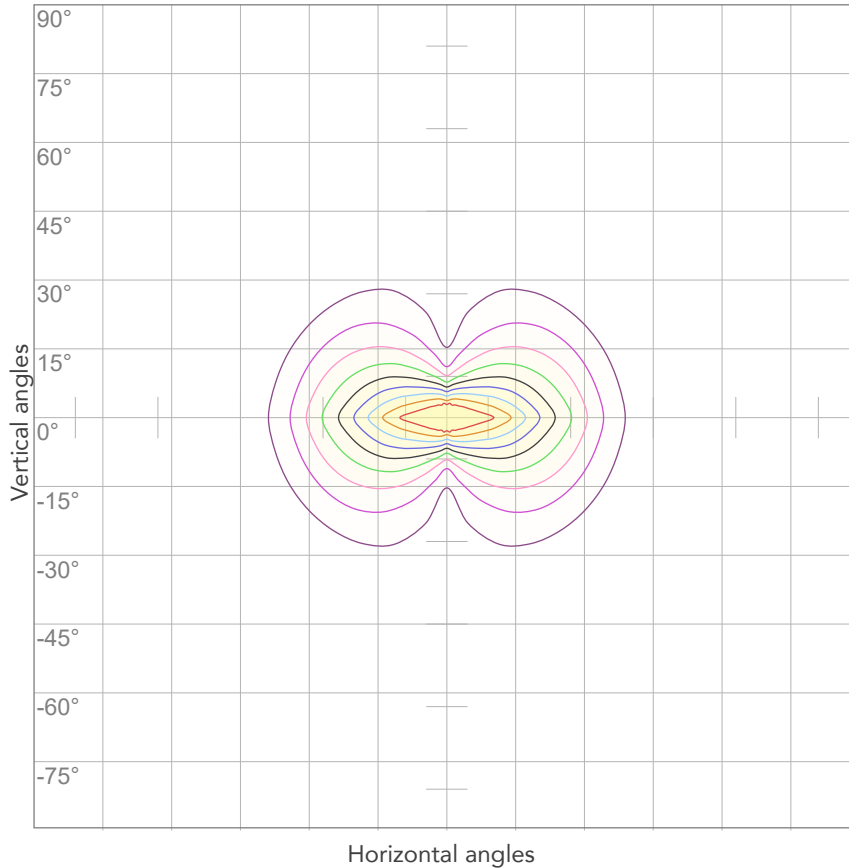


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,035A	1,2W	0,15	5072lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



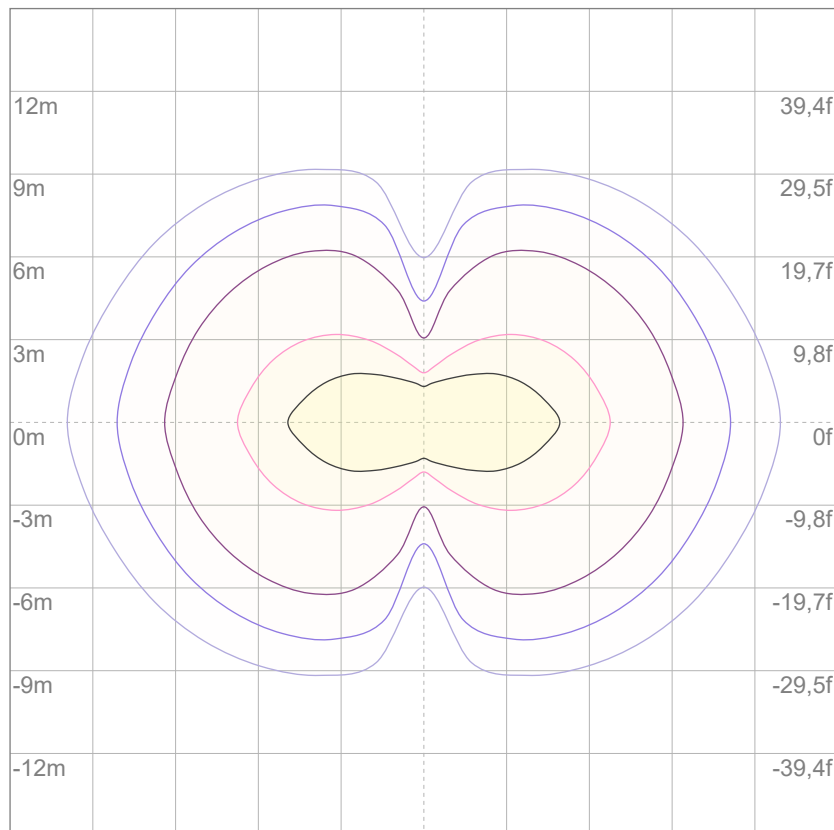
10%	1175 cd
20%	2350 cd
30%	3525 cd
40%	4701 cd
50%	5876 cd
60%	7051 cd
70%	8226 cd
80%	9401 cd

Conditions:

Number of c-planes: 4

Candela at center: 11752 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	3,53 lx
5%	5,88 lx
10%	11,8 lx
30%	35,3 lx
50%	58,8 lx

Conditions:

Number of c-planes: 4

Lux at center: 118 lx

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



Total lumen output:

4314 lm

Peak candela output:

5955 cd

Light quality:

CRI: 94,1

Color temperature:

6723 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x60° Filter

Target:

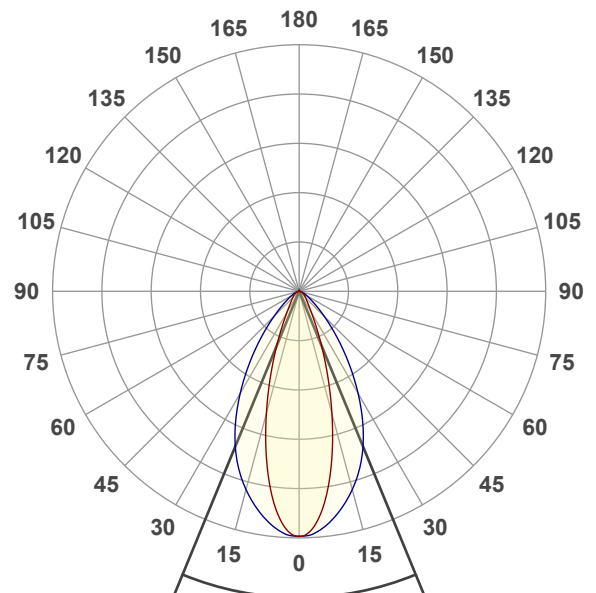
Cold White

Operator:

Giacomo Matteo

Date and time:

22/02/2024 11:45:54

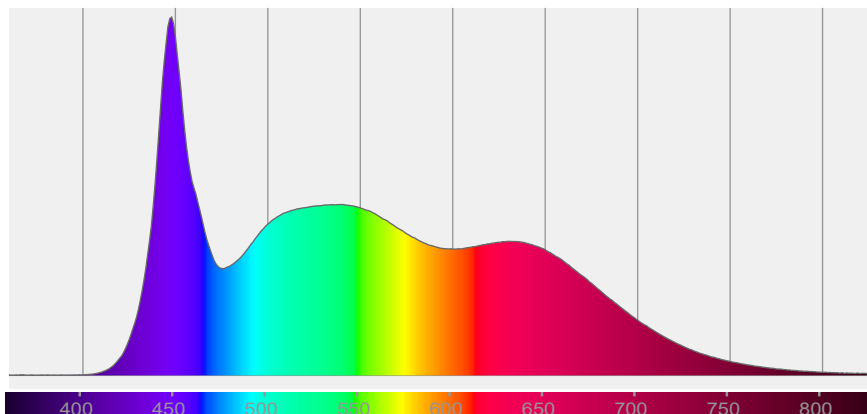


Beam angle 50%: 44,7°

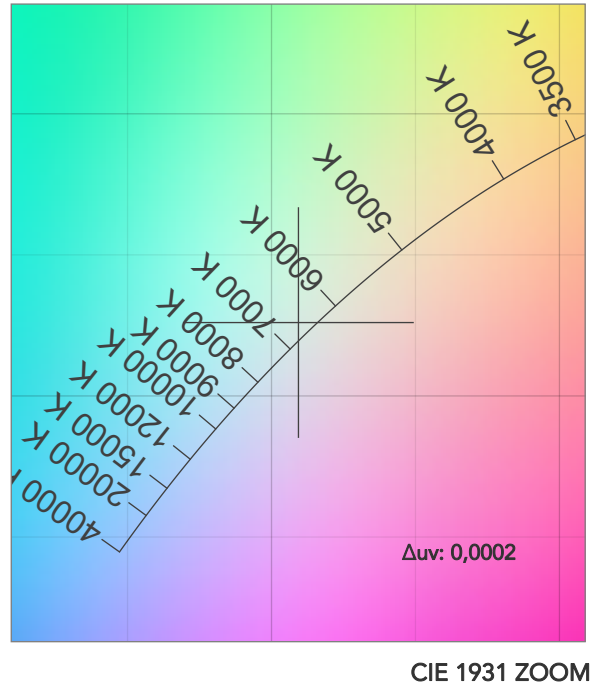
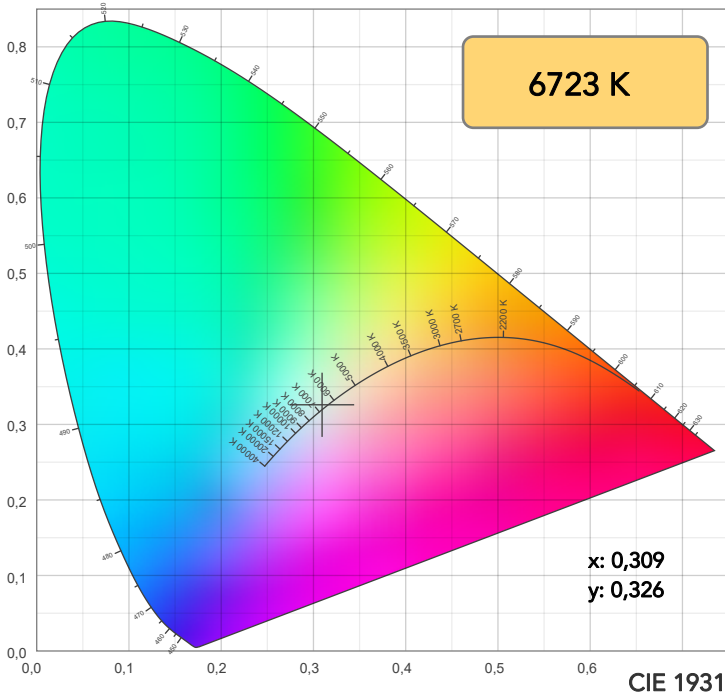
Field angle 10%: 78,9°

Cut off angle 2.5%: 118,6°

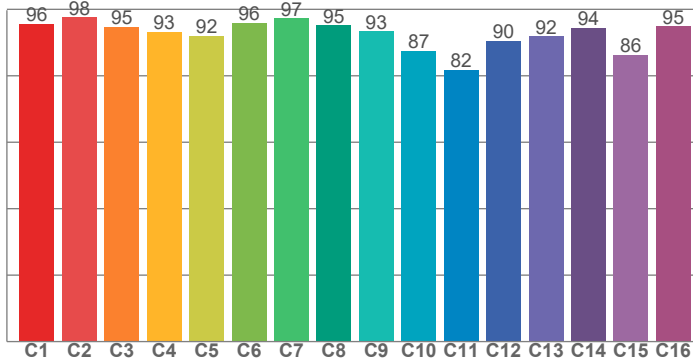
Spectra



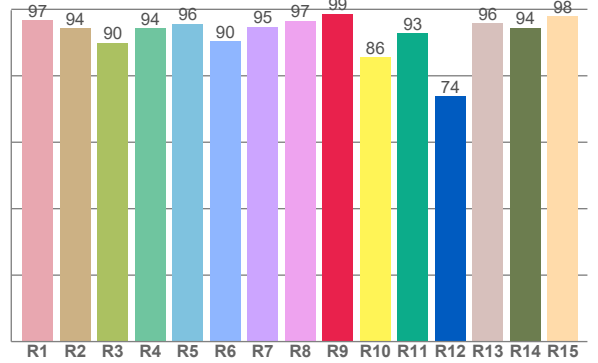
COLOR DETAILS



TM30: 92,5



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
96,8	94,3	89,9	94,4	95,7	90,3	94,7	96,5	98,7	85,5	92,9	73,8	95,9	94,5	98,0

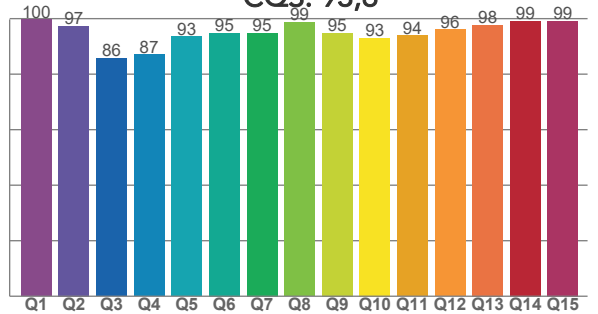
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,6	97,6	94,7	93,2	92,0	95,9	97,2	95,1	93,3	87,4	81,9	90,5	91,9	94,4	86,4	94,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,6	97,4	85,7	87,0	93,5	94,8	94,8	98,7	94,8	93,0	93,9	96,1	97,7	99,2	99,2

CQS: 93,6



COLOR PARAMETERS

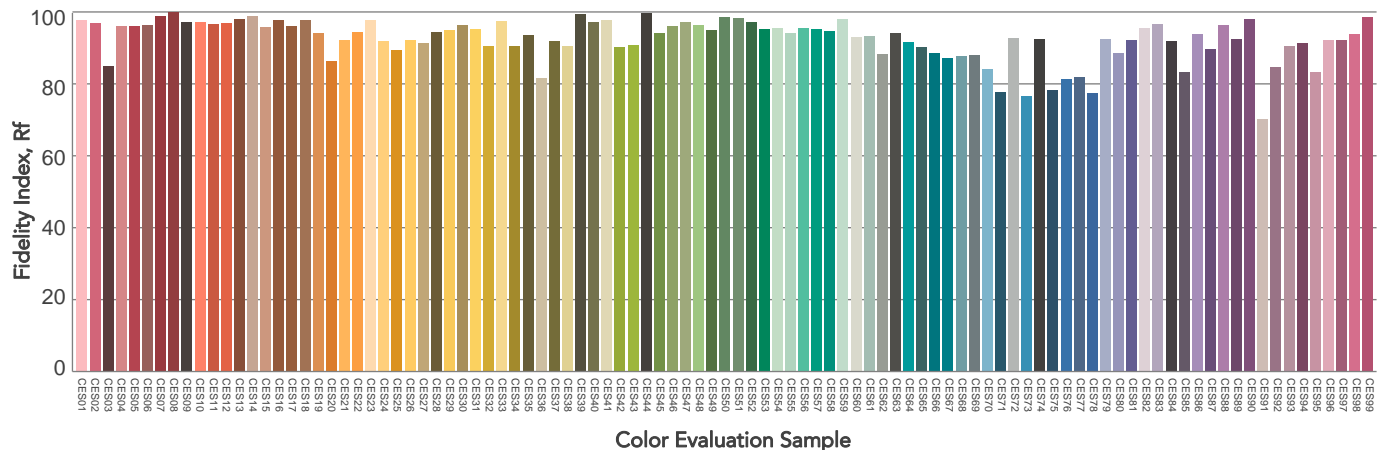
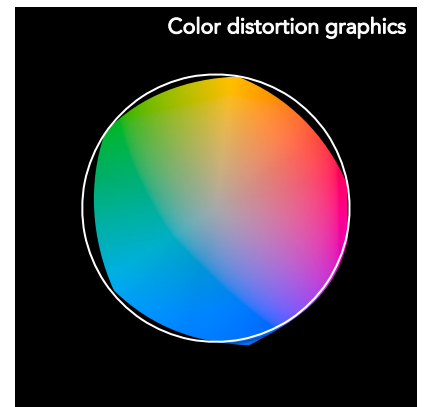
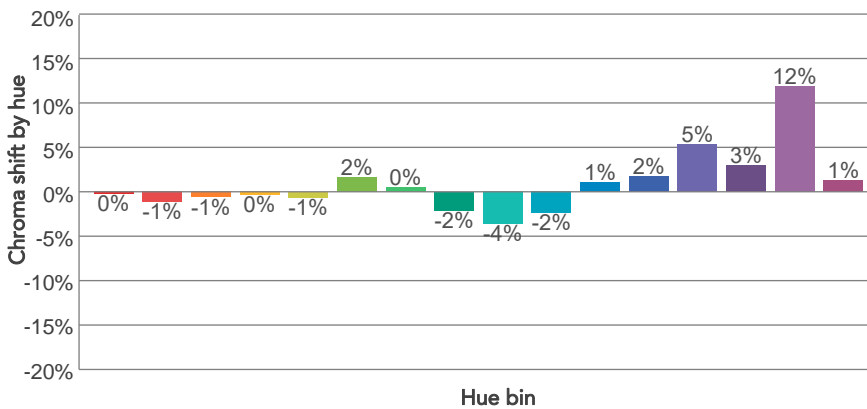
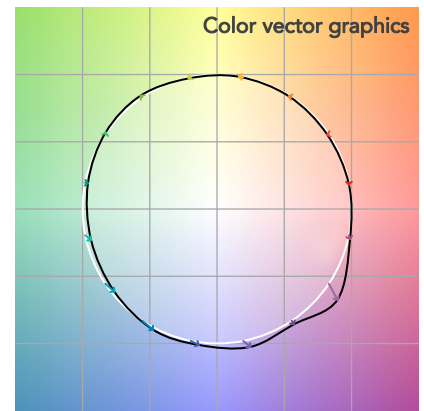
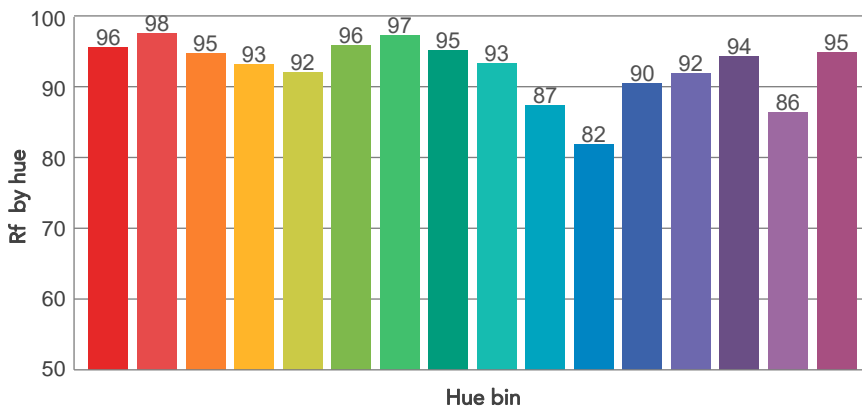
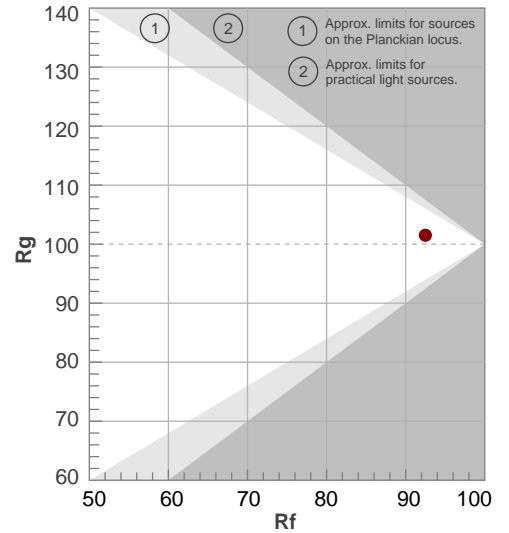
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6723 K	94,1	98,7	92,5	101,5	93,6	98	0,309	0,326	0,0002

TM30 DETAILS

Rf 92,5
Fidelity index Rf

Rg 101,5
Gammut index

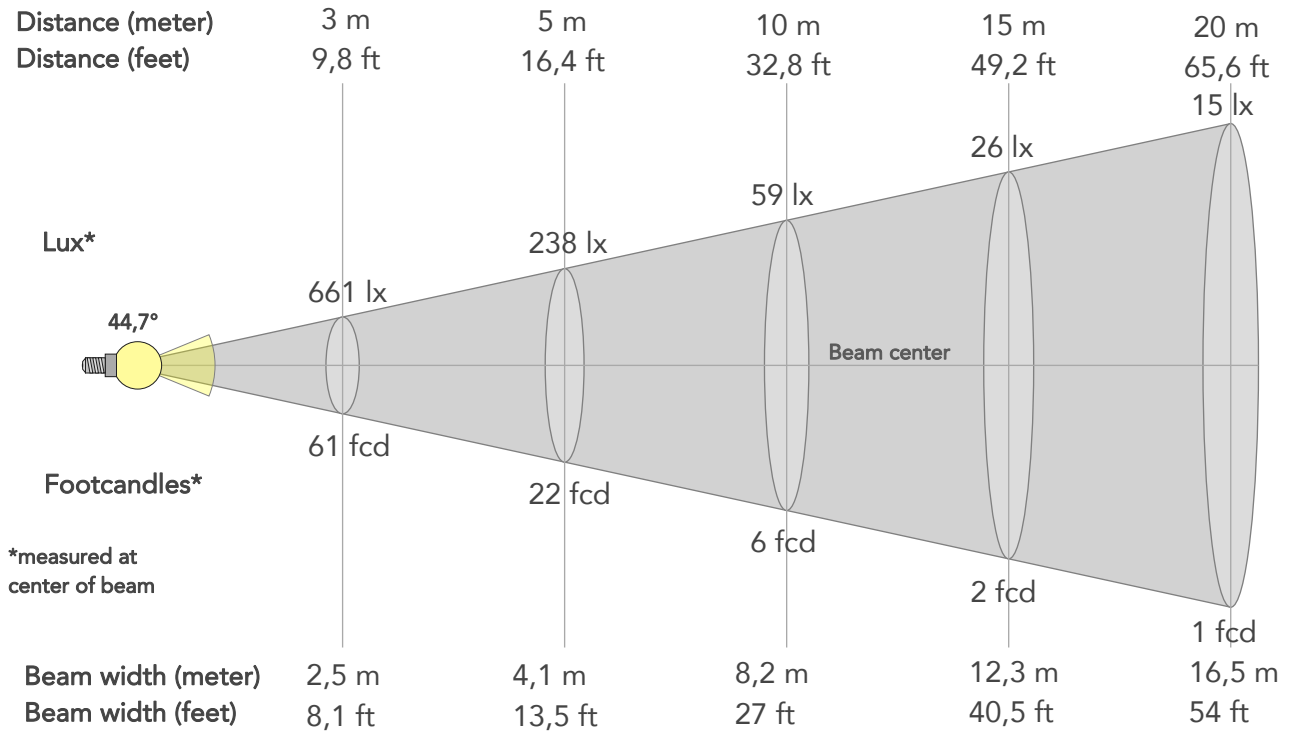
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	98	-1%	0%
3	95	-1%	2%
4	93	0%	3%
5	92	-1%	2%
6	96	2%	0%
7	97	0%	-1%
8	95	-2%	0%
9	93	-4%	4%
10	87	-2%	9%
11	82	1%	10%
12	90	2%	6%
13	92	5%	4%
14	94	3%	0%
15	86	12%	-6%
16	95	1%	-3%



BEAM DETAILS



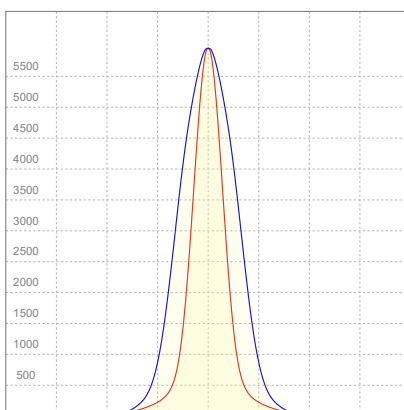
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,7°	78,9°	118,6°	95,9%	86,7%



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	5948lx	1487lx	661lx	372lx	238lx	106lx	59lx	26lx	15lx	10lx	7lx	4lx	2lx
Footcand.	553fcd	138fcd	61fcd	35fcd	22fcd	10fcd	6fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,3m	16,5m	20,6m	24,7m	32,9m	41,2m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,2ft	27ft	40,5ft	54ft	67,5ft	81ft	108ft	135ft

LINEAR DISTRIBUTION DIAGRAM

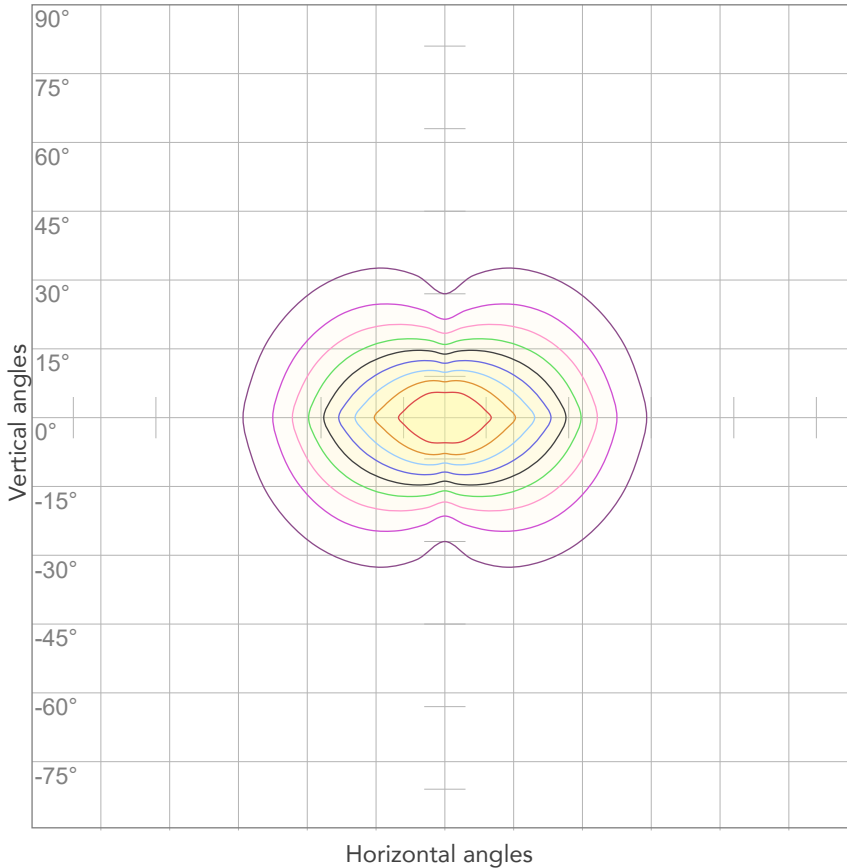


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,329A	67,6W	0,91	64lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



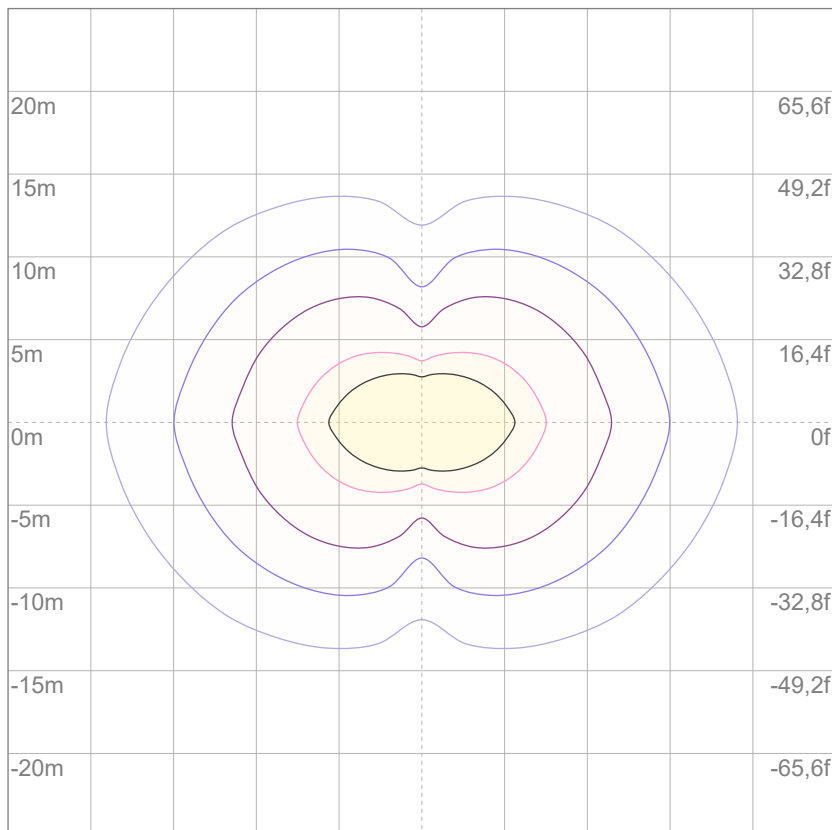
10%	595 cd
20%	1190 cd
30%	1784 cd
40%	2379 cd
50%	2974 cd
60%	3569 cd
70%	4164 cd
80%	4759 cd

Conditions:

Number of c-planes: 4

Candela at center: 5948 cd

ISO LUX DIAGRAM



3%	1,78 lx
5%	2,97 lx
10%	5,95 lx
30%	17,8 lx
50%	29,7 lx

Conditions:

Number of c-planes: 4

Lux at center: 59,5 lx

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



Total lumen output:

3183 lm

Peak candela output:

60827 cd

Light quality:

CRI: 95,6

Color temperature:

2712 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

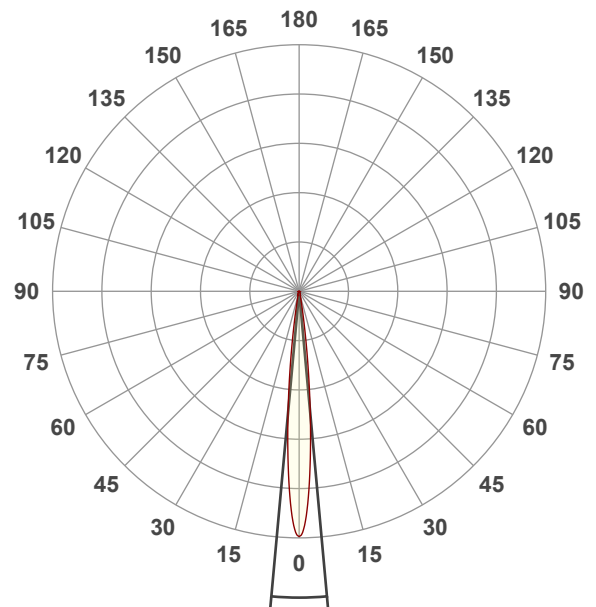
2700K

Operator:

Giacomo Matteo

Date and time:

21/02/2024 15:35:29

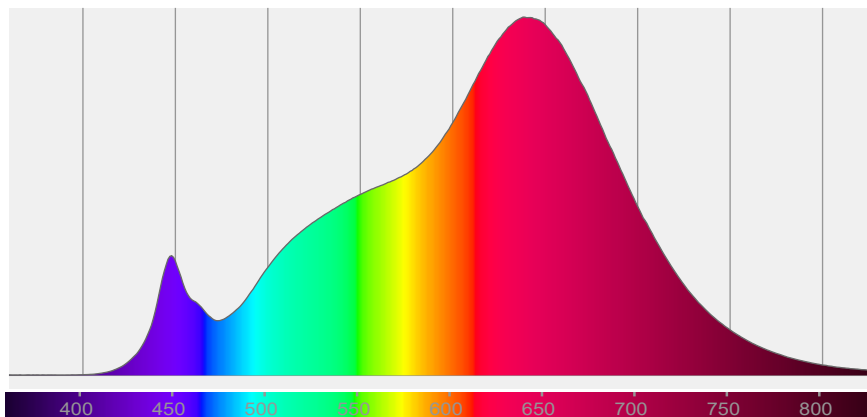


Beam angle 50%: 10,4°

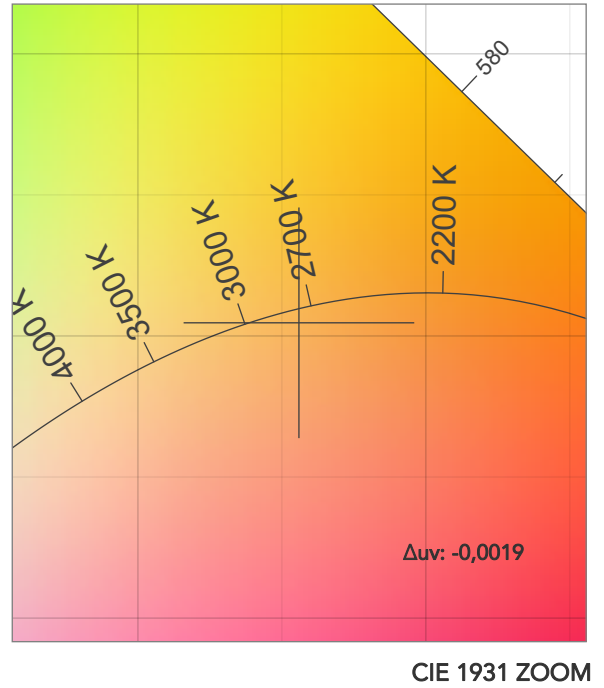
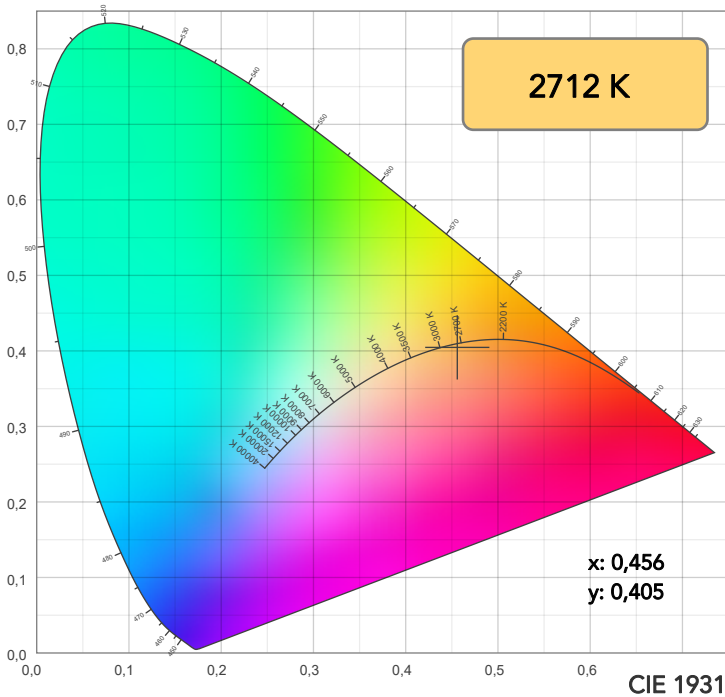
Field angle 10%: 18,8°

Cut off angle 2.5%: 27,2°

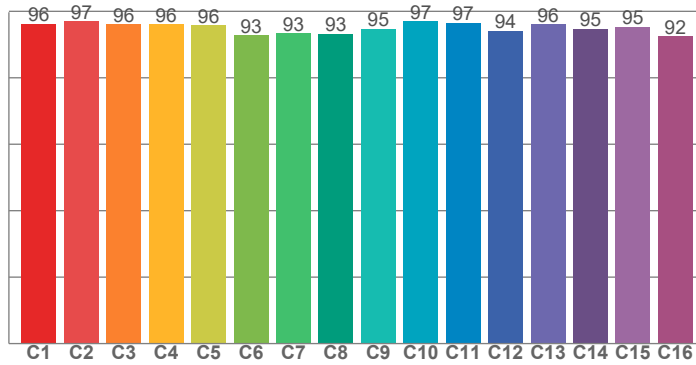
Spectra



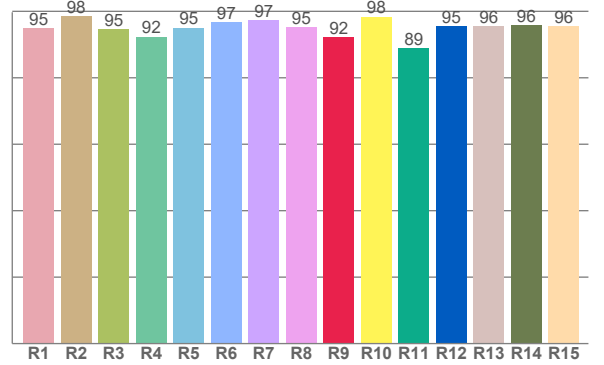
COLOR DETAILS



TM30: 95,4



CRI: 95,6 (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
94,9	98,5	94,7	92,4	95,0	96,6	97,4	95,2	92,2	98,4	88,9	95,5	95,5	95,8	95,6

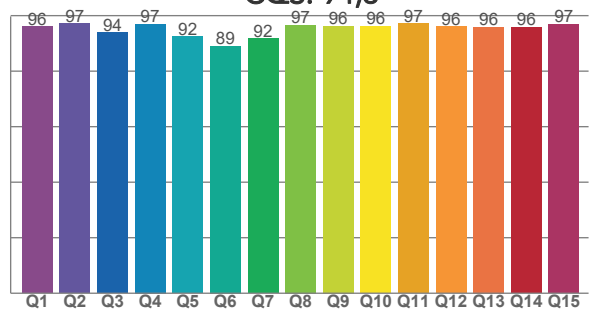
TM30 C values, 16 binned values out of total of 99 C values

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

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	91,7	96,6	96,3	96,2	97,1	96,0	95,9	95,8	96,9

CQS: 94,3



COLOR PARAMETERS

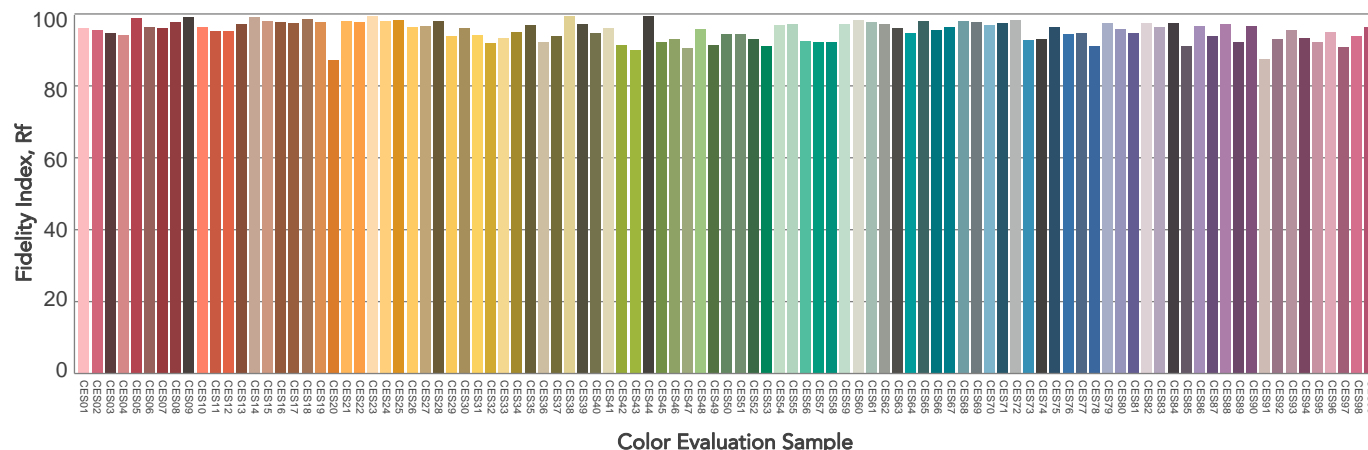
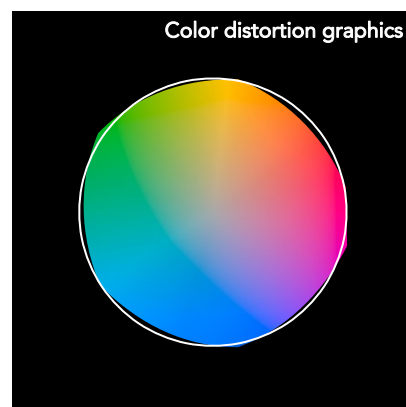
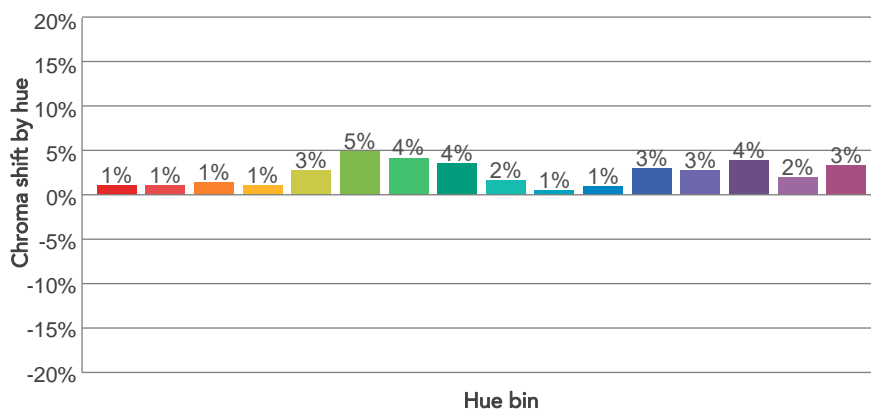
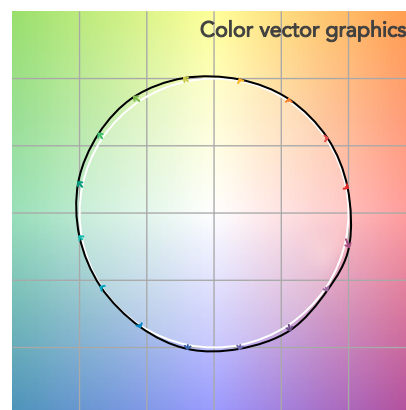
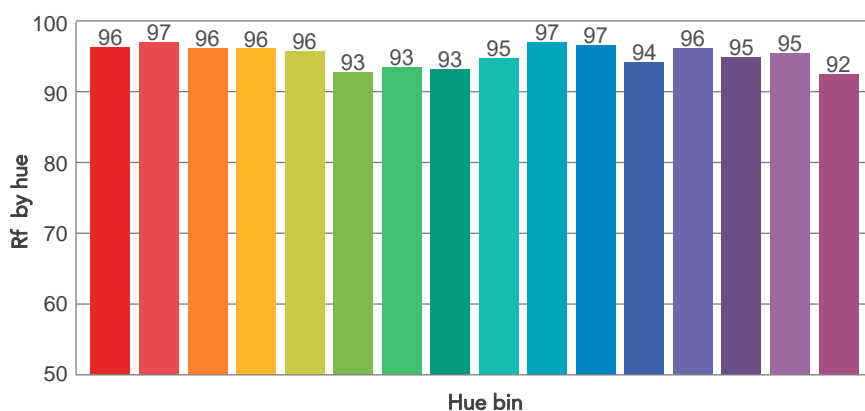
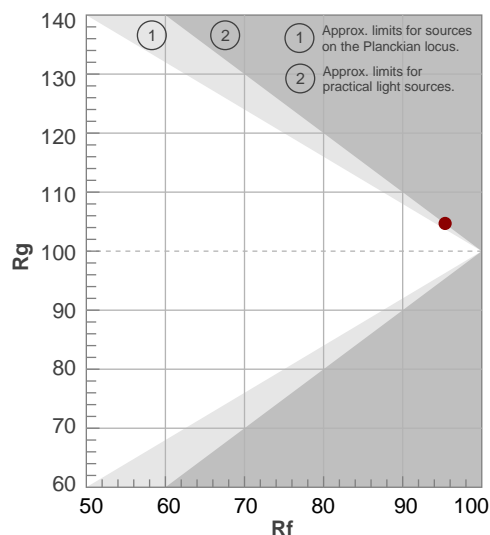
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2712 K	95,6	92,2	95,4	104,7	94,3	97	0,456	0,405	-0,0019

TM30 DETAILS

Rf 95,4
Fidelity index Rf

Rg 104,7
Gammut index

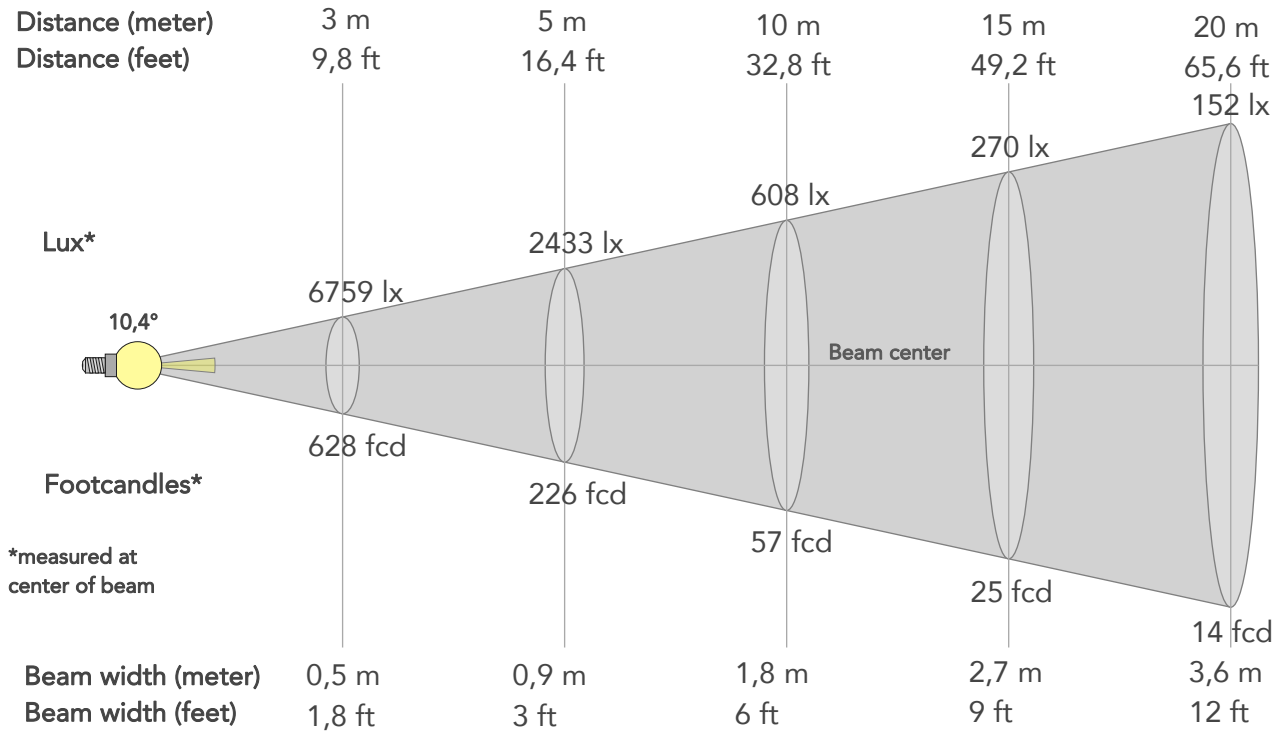
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-1%
2	97	1%	-1%
3	96	1%	1%
4	96	1%	1%
5	96	3%	2%
6	93	5%	1%
7	93	4%	-1%
8	93	4%	-3%
9	95	2%	-3%
10	97	1%	-1%
11	97	1%	1%
12	94	3%	0%
13	96	3%	-1%
14	95	4%	-1%
15	95	2%	-1%
16	92	3%	-5%



BEAM DETAILS



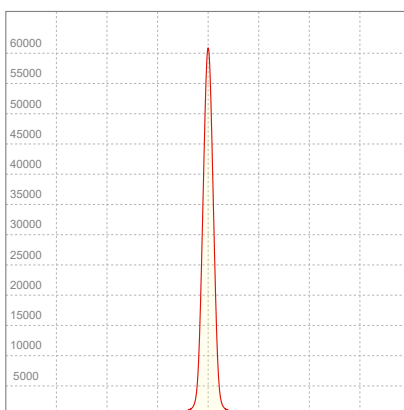
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,4°	18,8°	27,2°	97,0%	93,0%



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	60827lx	15207lx	6759lx	3802lx	2433lx	1081lx	608lx	270lx	152lx	97lx	68lx	38lx	24lx
Footcand.	5651fcd	1413fcd	628fcd	353fcd	226fcd	100fcd	57fcd	25fcd	14fcd	9fcd	6fcd	4fcd	2fcd
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

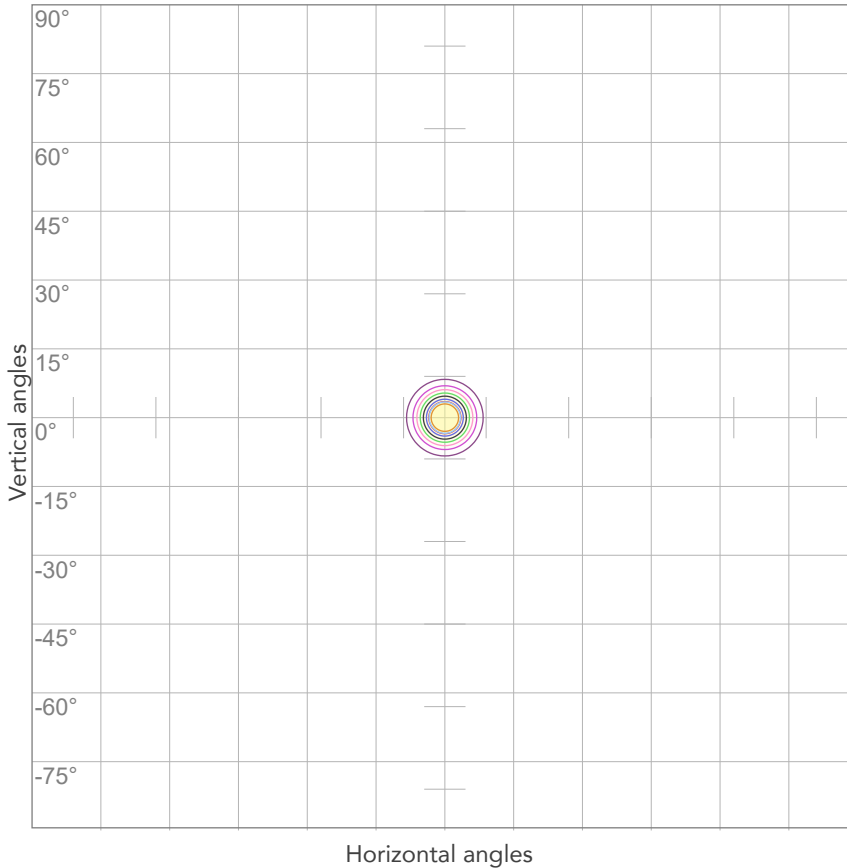


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,349A	71,9W	0,92	44lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



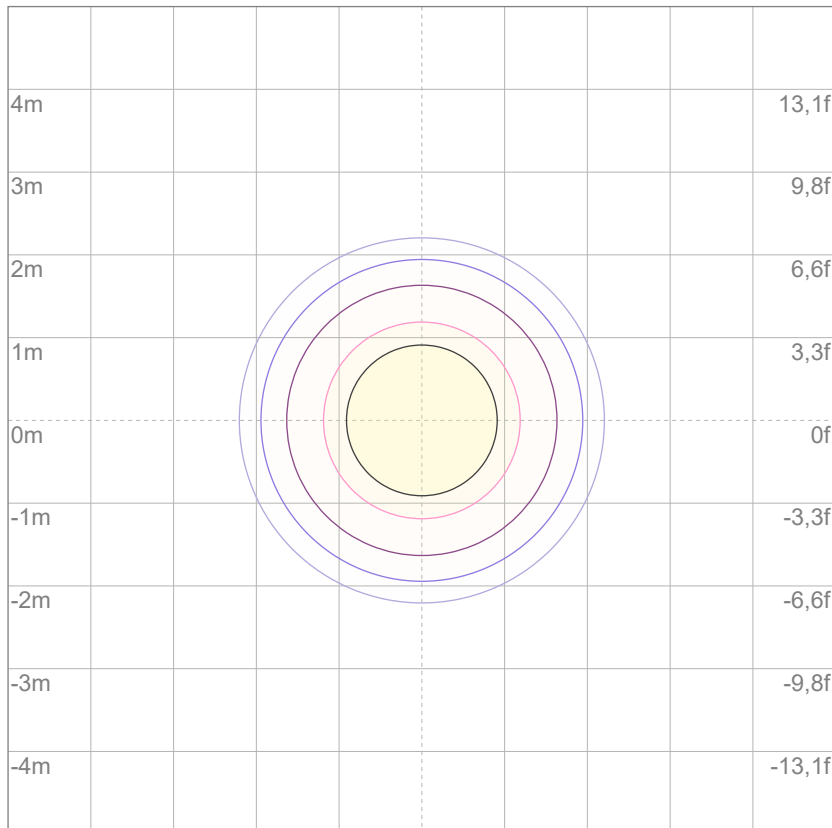
10%	6083 cd
20%	12165 cd
30%	18248 cd
40%	24331 cd
50%	30414 cd
60%	36496 cd
70%	42579 cd
80%	48662 cd

Conditions:

Number of c-planes: 2

Candela at center: 60827 cd

ISO LUX DIAGRAM



3%	18,2 lx
5%	30,4 lx
10%	60,8 lx
30%	182 lx
50%	304 lx

Conditions:

Number of c-planes: 2

Lux at center: 608 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:

2992 lm

Peak candela output:

11459 cd

Light quality:

CRI: 95,6

Color temperature:

2711 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

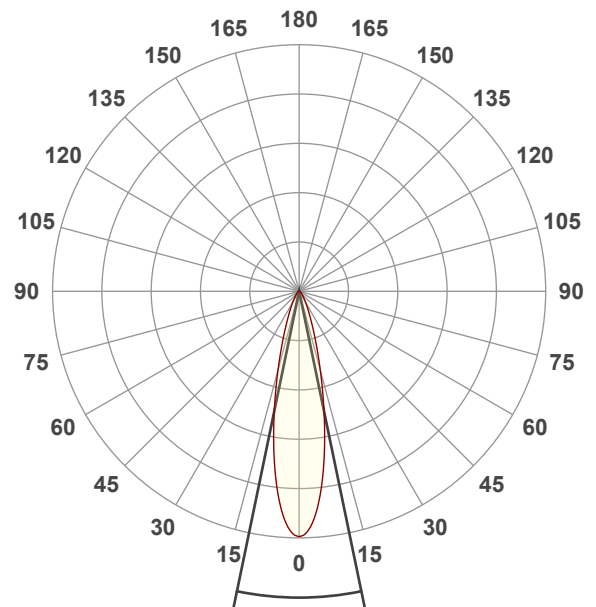
2700K

Operator:

Giacomo Matteo

Date and time:

21/02/2024 16:05:57

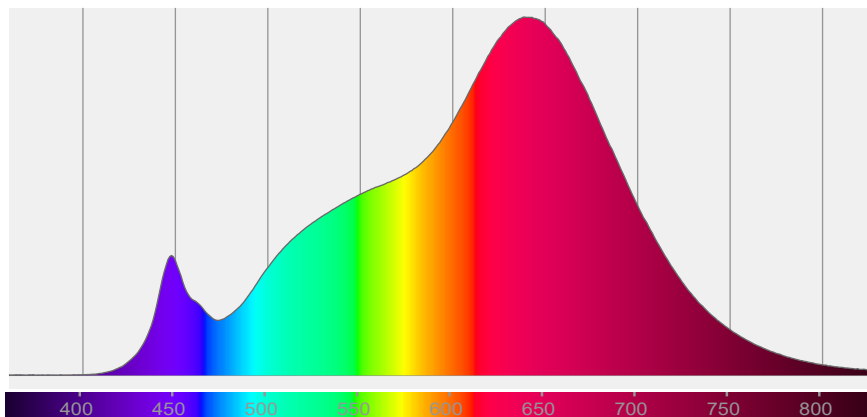


Beam angle 50%: 23,4°

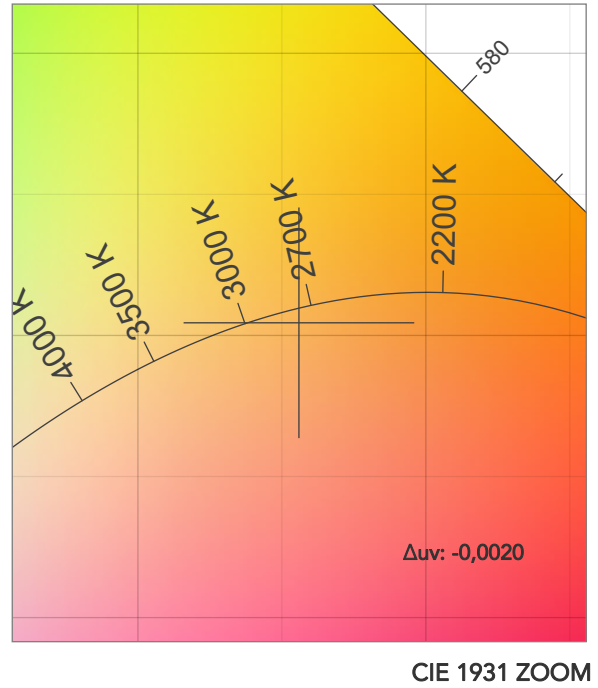
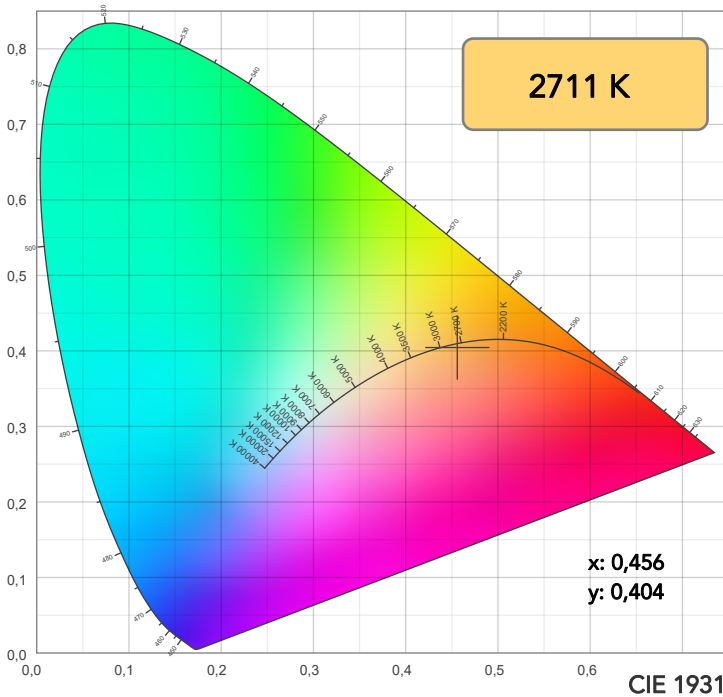
Field angle 10%: 48,5°

Cut off angle 2.5%: 76,5°

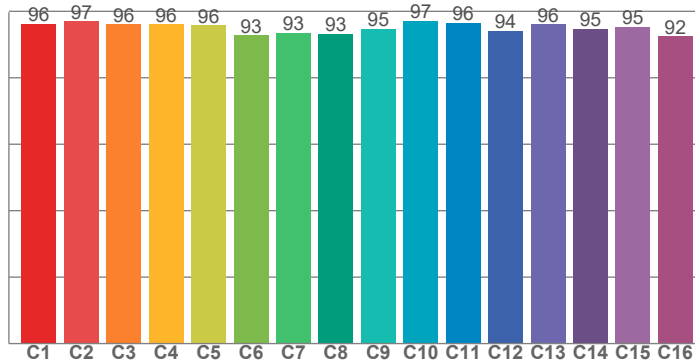
Spectra



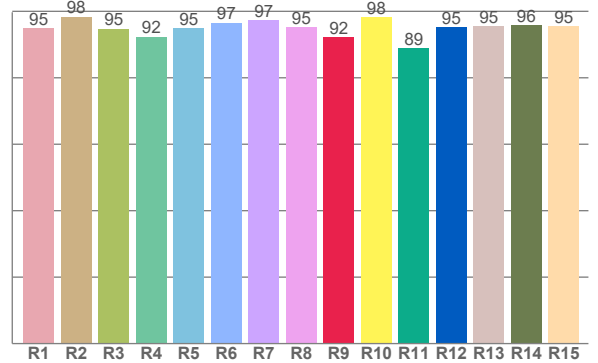
COLOR DETAILS



TM30: 95,4



CRI: 95,6 (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
94,9	98,4	94,7	92,4	95,0	96,6	97,4	95,2	92,2	98,3	88,9	95,3	95,5	95,9	95,5

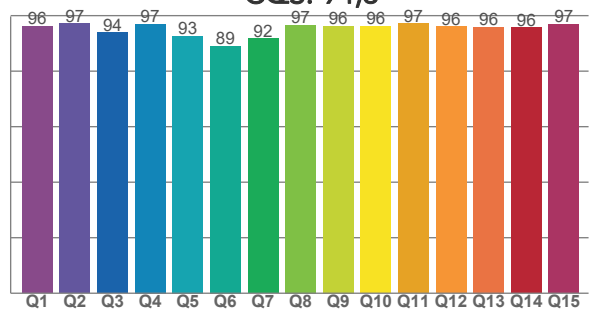
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,1	97,2	93,8	97,1	92,6	89,1	91,7	96,6	96,3	96,2	97,1	96,1	96,0	95,8	96,9

CQS: 94,3



COLOR PARAMETERS

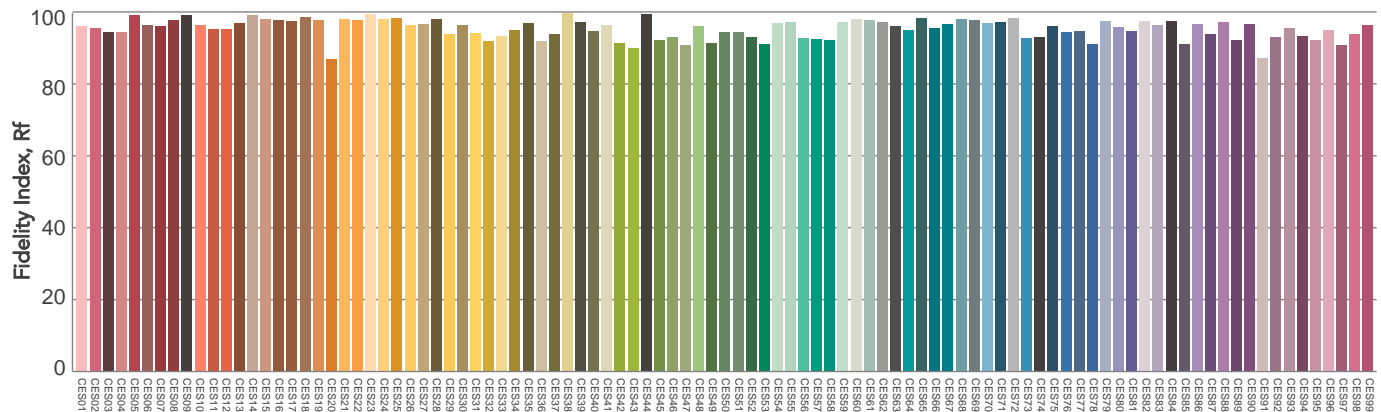
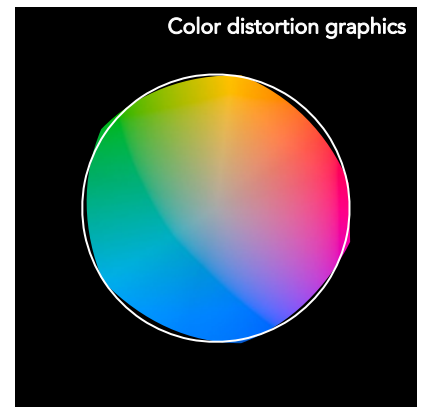
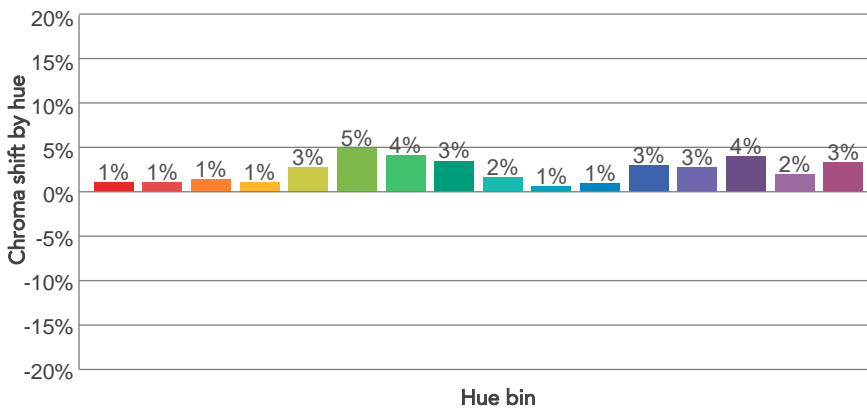
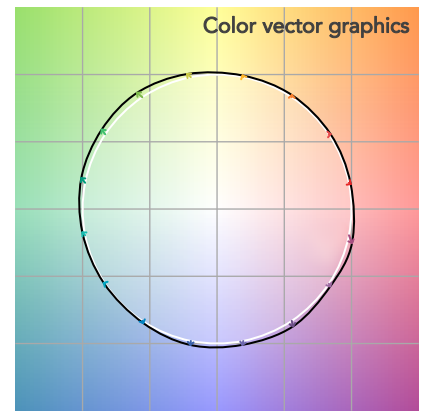
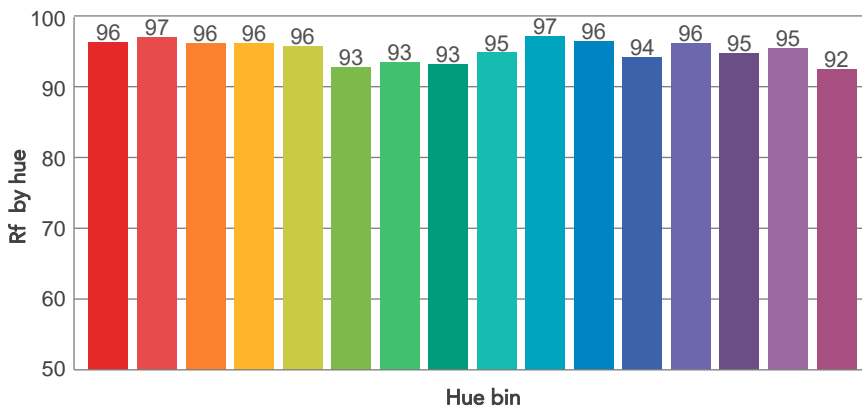
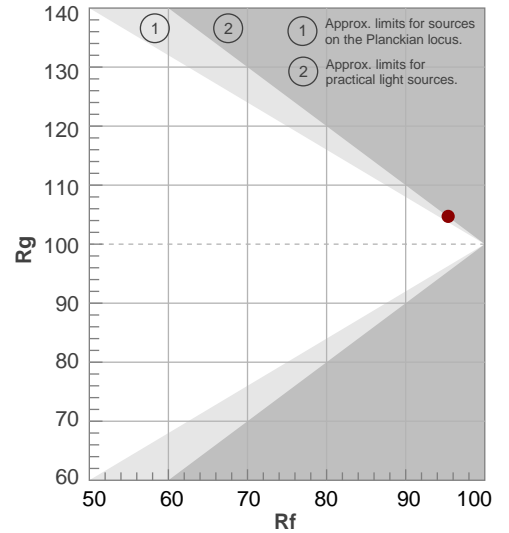
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2711 K	95,6	92,2	95,4	104,7	94,3	97	0,456	0,404	-0,0020

TM30 DETAILS

Rf 95,4
Fidelity index Rf

Rg 104,7
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	2%	-2%
10	97	1%	-1%
11	96	1%	1%
12	94	3%	0%
13	96	3%	-1%
14	95	4%	-1%
15	95	2%	-1%
16	92	3%	-5%

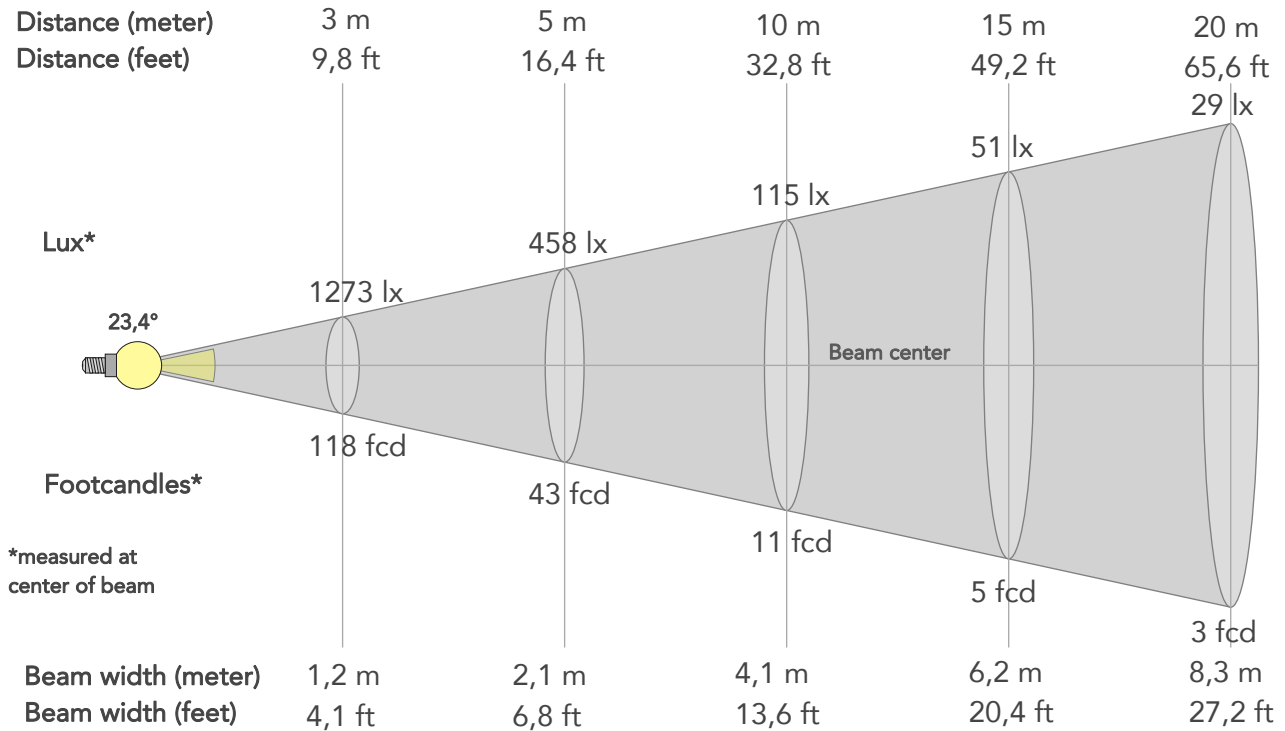


Color Evaluation Sample

BEAM DETAILS



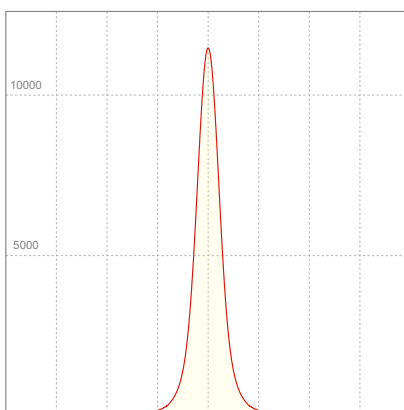
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	48,5°	76,5°	97,0%	91,8%



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	11459lx	2865lx	1273lx	716lx	458lx	204lx	115lx	51lx	29lx	18lx	13lx	7lx	5lx
Footcand.	1065fcd	266fcd	118fcd	67fcd	43fcd	19fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,4m	12,4m	16,6m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34ft	40,8ft	54,4ft	68ft

LINEAR DISTRIBUTION DIAGRAM

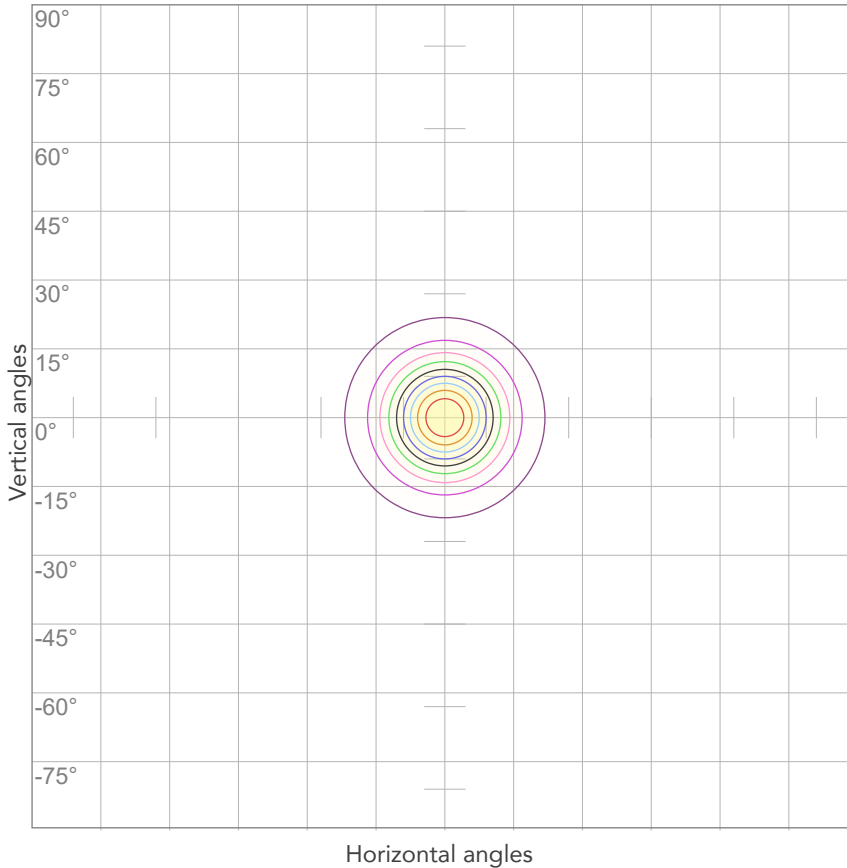


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,346A	71,8W	0,91	42lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



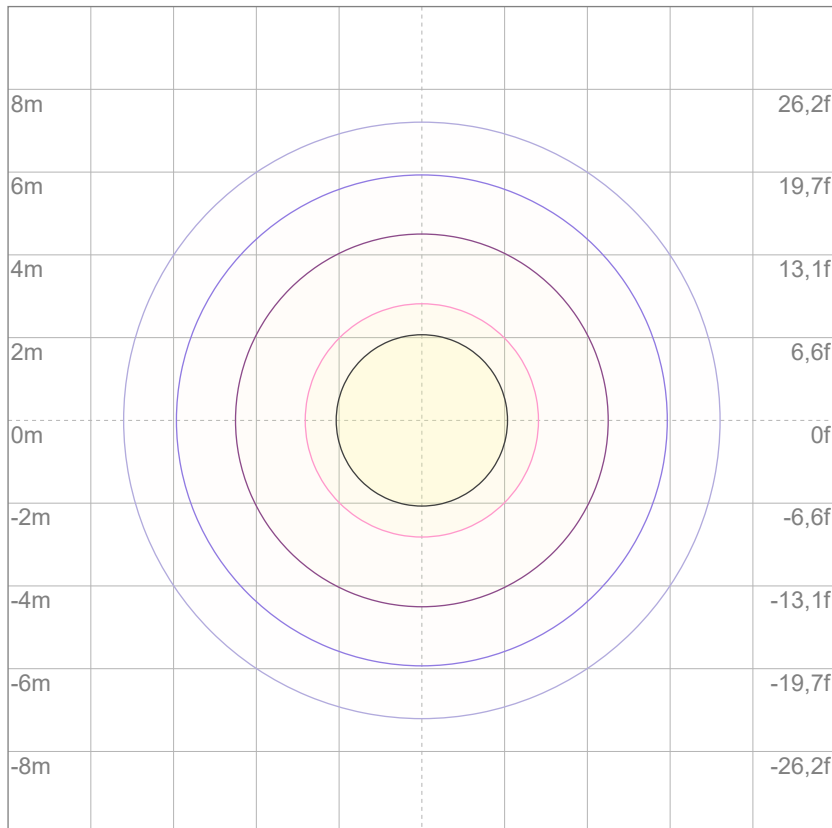
10%	1146 cd
20%	2292 cd
30%	3438 cd
40%	4583 cd
50%	5729 cd
60%	6875 cd
70%	8021 cd
80%	9167 cd

Conditions:

Number of c-planes: 2

Candela at center: 11459 cd

ISO LUX DIAGRAM



3%	3,44 lx
5%	5,73 lx
10%	11,5 lx
30%	34,4 lx
50%	57,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 115 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:

2836 lm

Peak candela output:

3703 cd

Light quality:

CRI: 95,5

Color temperature:

2717 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

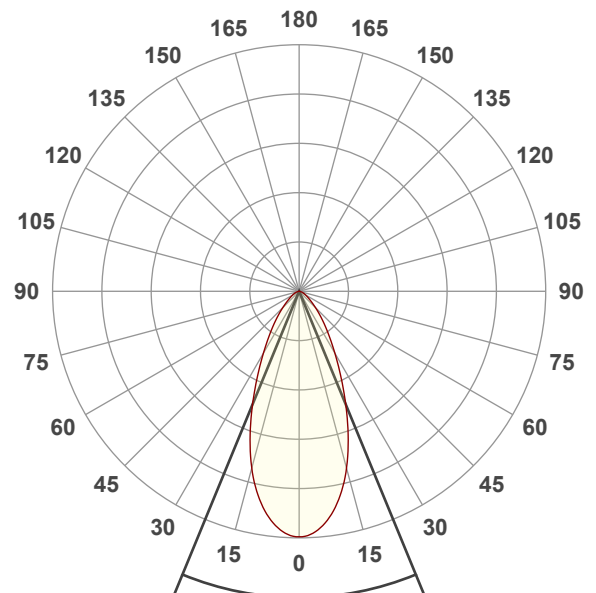
2700K

Operator:

Giacomo Matteo

Date and time:

21/02/2024 16:35:49

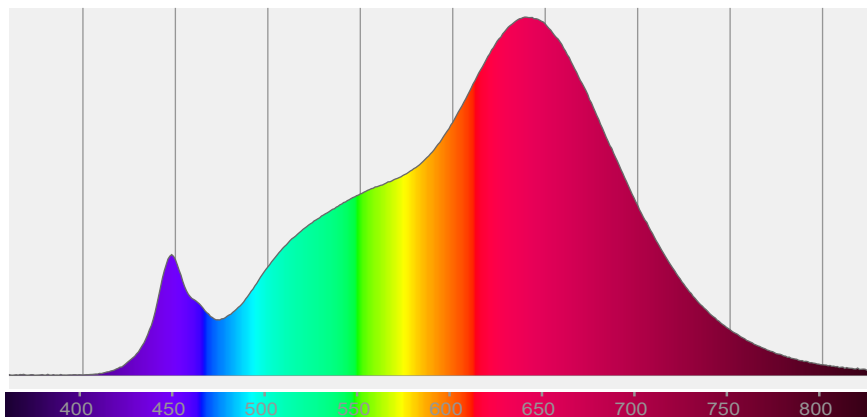


Beam angle 50%: 44,8°

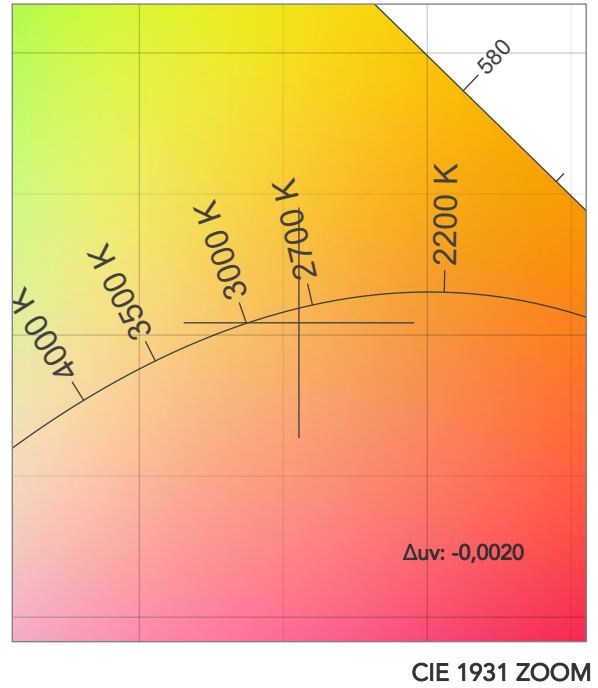
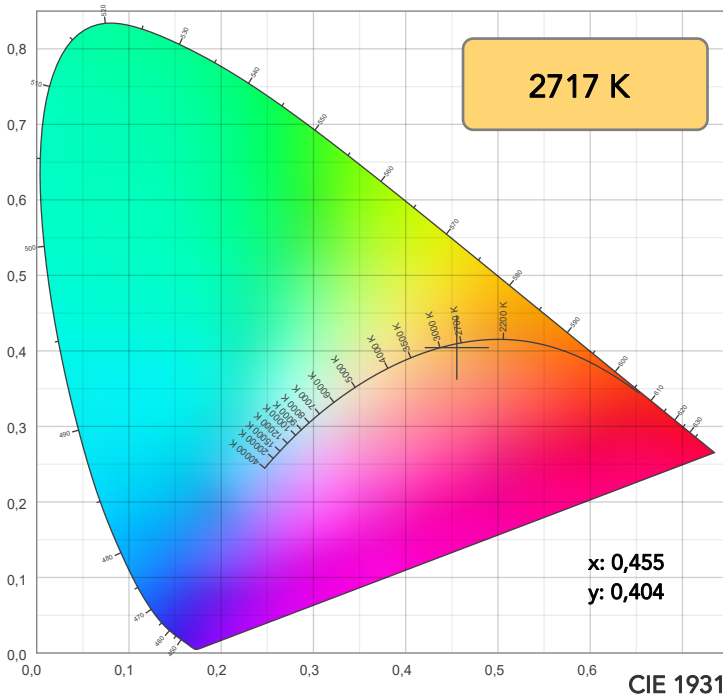
Field angle 10%: 88,7°

Cut off angle 2.5%: 126,7°

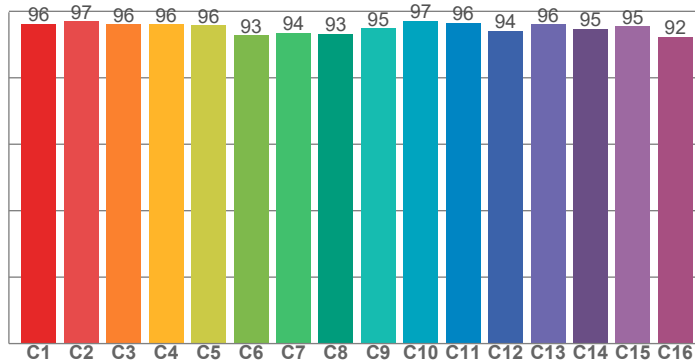
Spectra



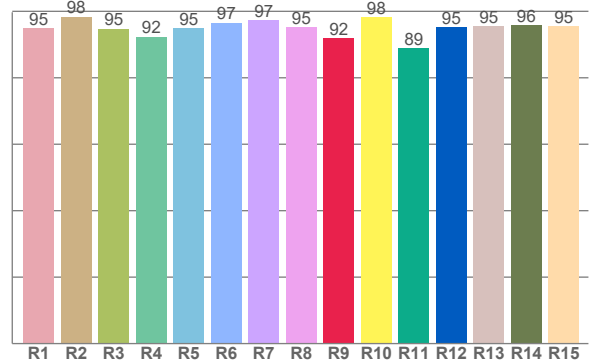
COLOR DETAILS



TM30: 95,4



CRI: 95,5 (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
94,8	98,4	94,7	92,3	94,9	96,5	97,4	95,1	91,9	98,2	88,8	95,2	95,4	95,9	95,4

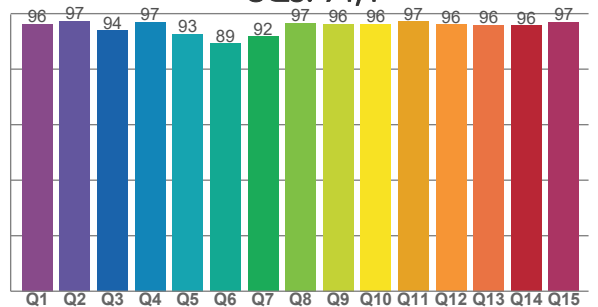
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,2	97,2	93,9	97,1	92,6	89,2	91,8	96,7	96,3	96,2	97,1	96,1	95,9	95,8	96,9

CQS: 94,4



COLOR PARAMETERS

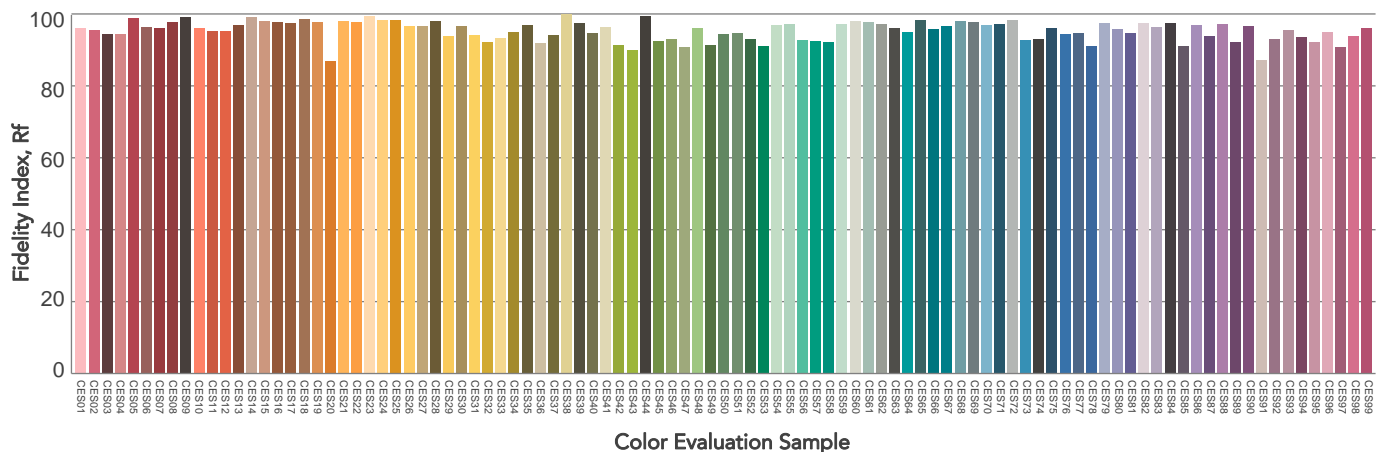
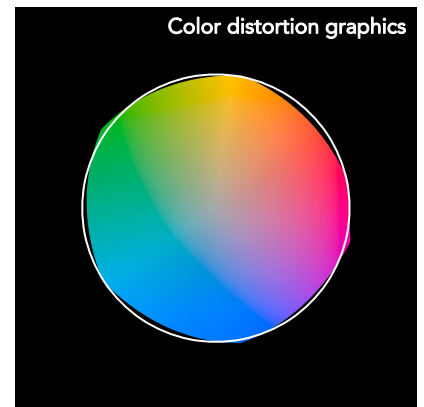
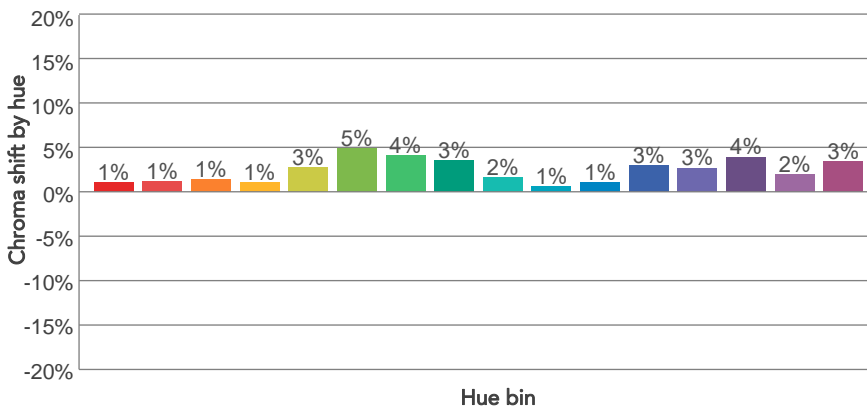
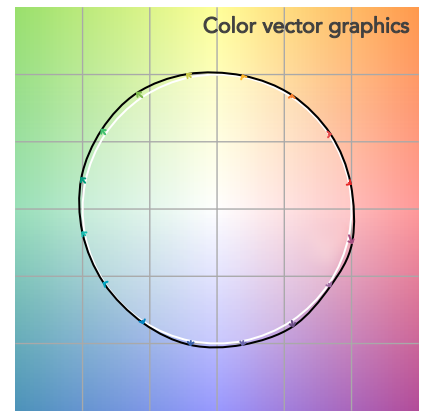
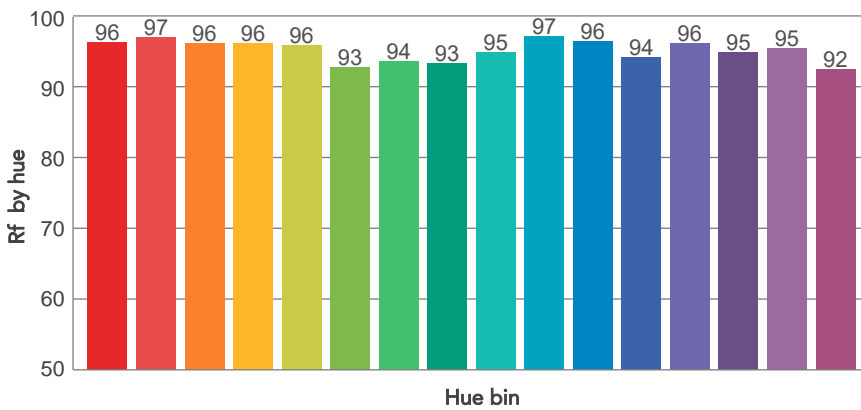
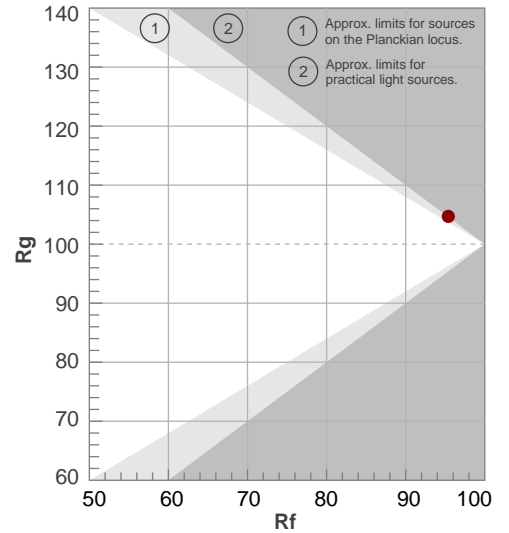
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2717 K	95,5	91,9	95,4	104,7	94,4	97	0,455	0,404	-0,0020

TM30 DETAILS

Rf 95,4
Fidelity index Rf

Rg 104,7
Gammut index

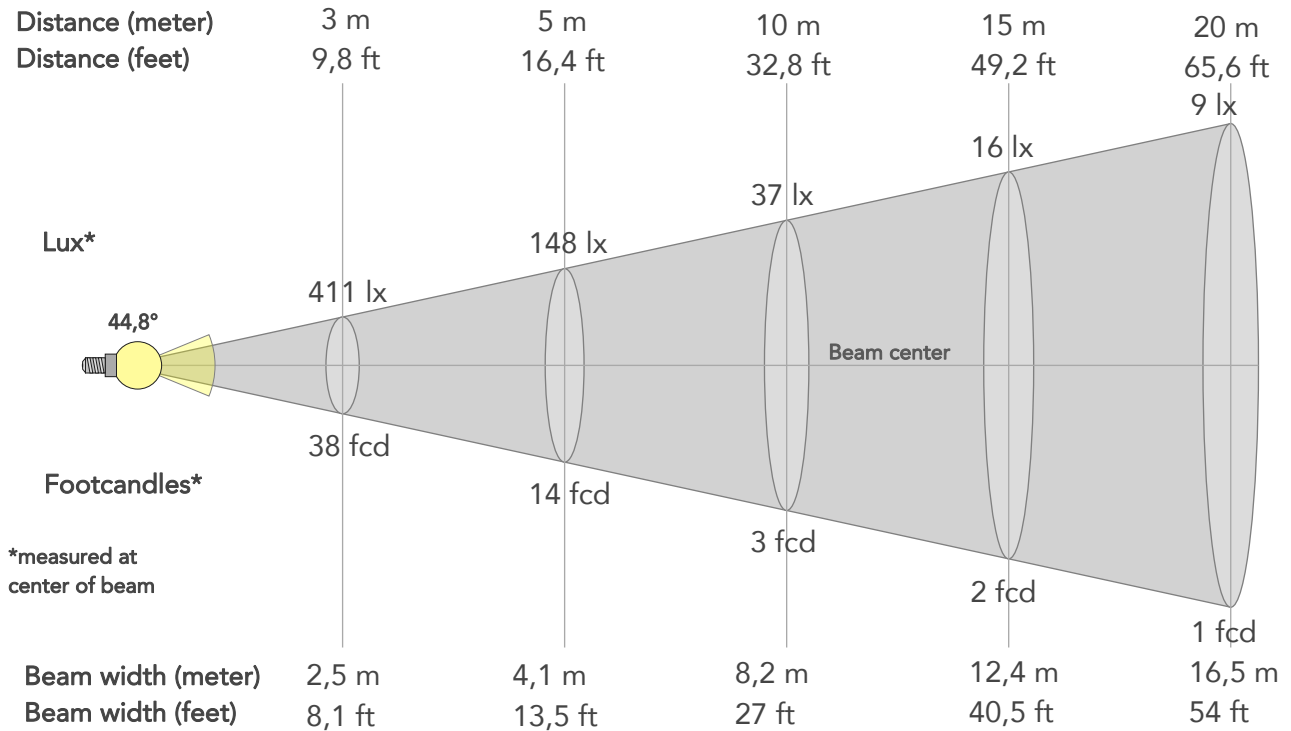
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-1%
2	97	1%	-1%
3	96	1%	1%
4	96	1%	1%
5	96	3%	2%
6	93	5%	1%
7	94	4%	-1%
8	93	3%	-3%
9	95	2%	-2%
10	97	1%	-1%
11	96	1%	1%
12	94	3%	0%
13	96	3%	-1%
14	95	4%	-1%
15	95	2%	-1%
16	92	3%	-5%



BEAM DETAILS



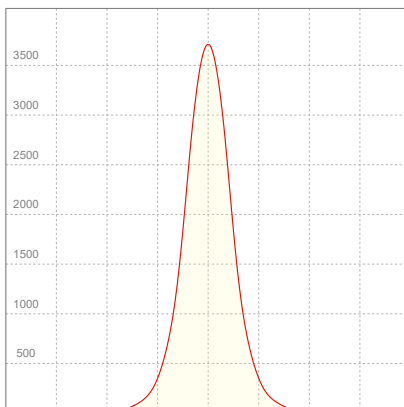
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,8°	88,7°	126,7°	95,3%	86,0%



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	3703lx	926lx	411lx	231lx	148lx	66lx	37lx	16lx	9lx	6lx	4lx	2lx	1lx
Footcand.	344fcd	86fcd	38fcd	22fcd	14fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,4m	16,5m	20,6m	24,7m	33m	41,2m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,3ft	27ft	40,5ft	54ft	67,6ft	81,1ft	108,1ft	135,1ft

LINEAR DISTRIBUTION DIAGRAM

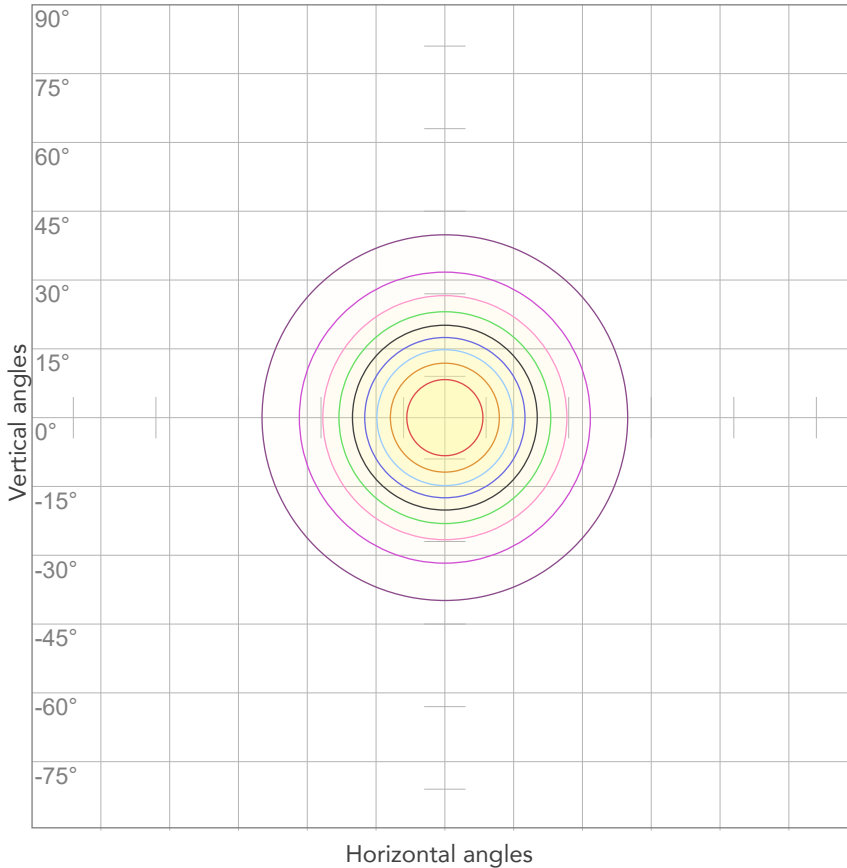


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,346A	71,7W	0,92	40lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



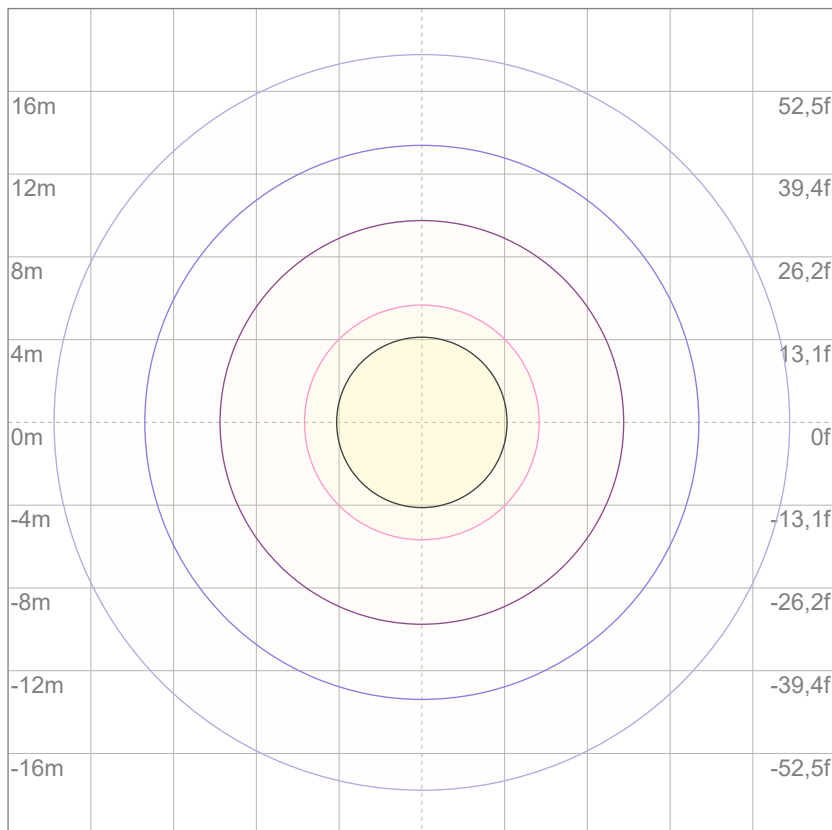
10%	370 cd
20%	741 cd
30%	1111 cd
40%	1481 cd
50%	1851 cd
60%	2222 cd
70%	2592 cd
80%	2962 cd

Conditions:

Number of c-planes: 2

Candela at center: 3703 cd

ISO LUX DIAGRAM



3%	1,11 lx
5%	1,85 lx
10%	3,70 lx
30%	11,1 lx
50%	18,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 37,0 lx

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



Total lumen output:

2845 lm

Peak candela output:

2514 cd

Light quality:

CRI: 95,6

Color temperature:

2724 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

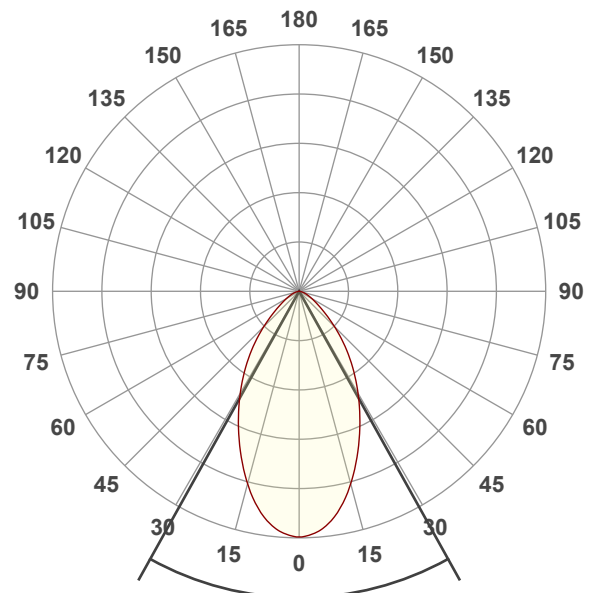
2700K

Operator:

Giacomo Matteo

Date and time:

21/02/2024 17:16:22

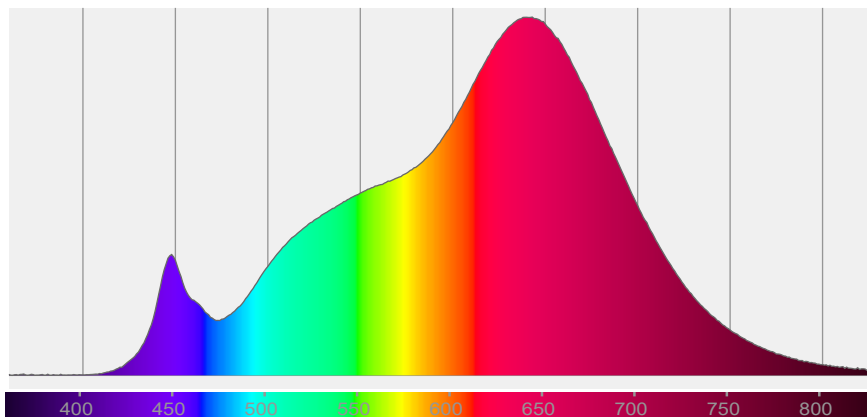


Beam angle 50%: 58,2°

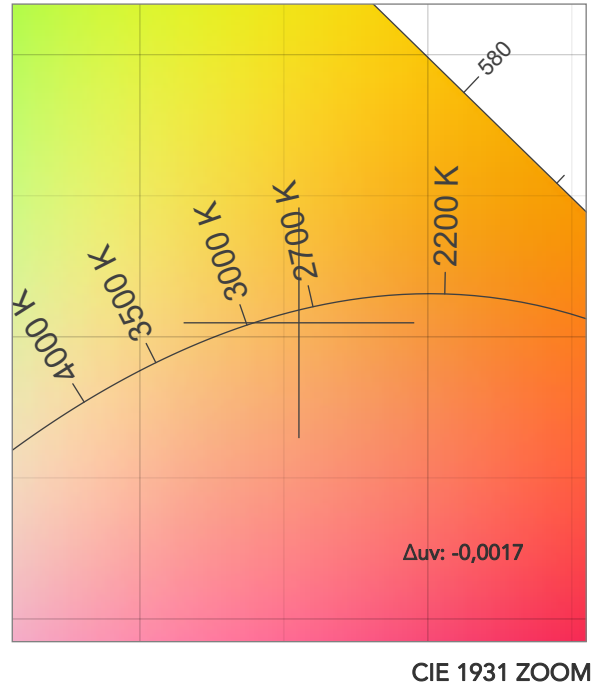
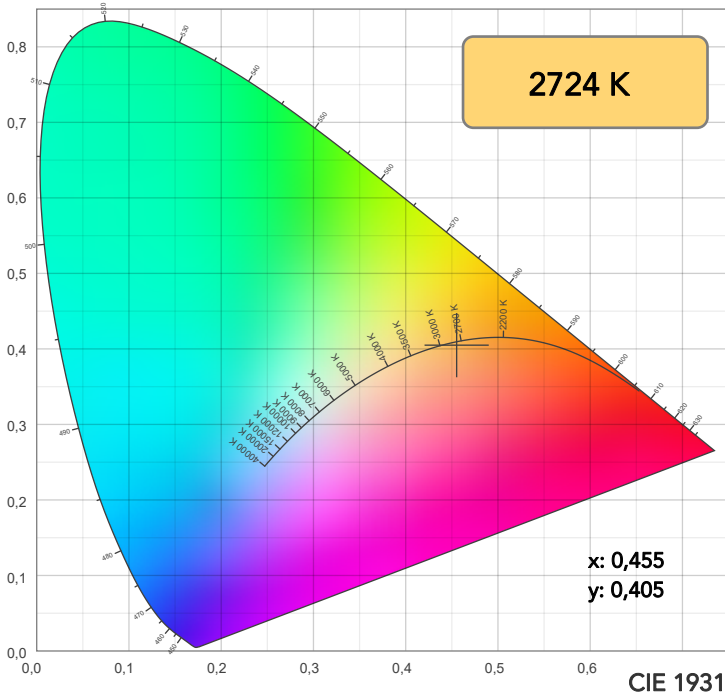
Field angle 10%: 107,4°

Cut off angle 2.5%: 141,7°

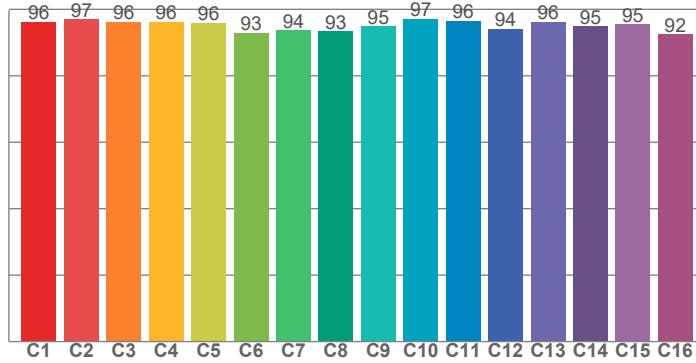
Spectra



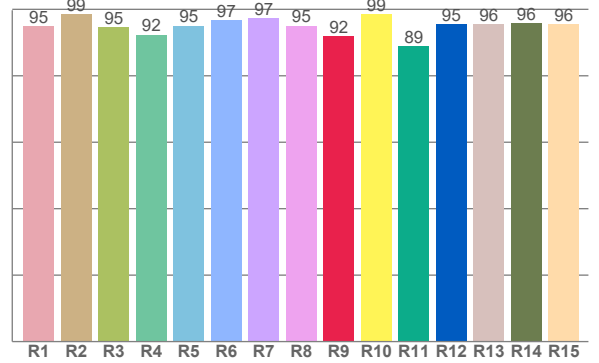
COLOR DETAILS



TM30: 95,4



CRI: 95,6 (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
94,9	98,6	94,6	92,3	95,1	96,8	97,3	95,0	91,9	98,6	88,9	95,5	95,6	95,8	95,5

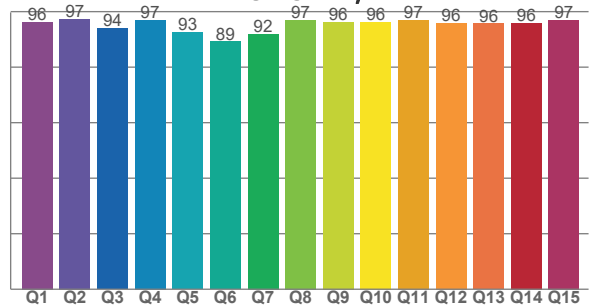
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 94,4



COLOR PARAMETERS

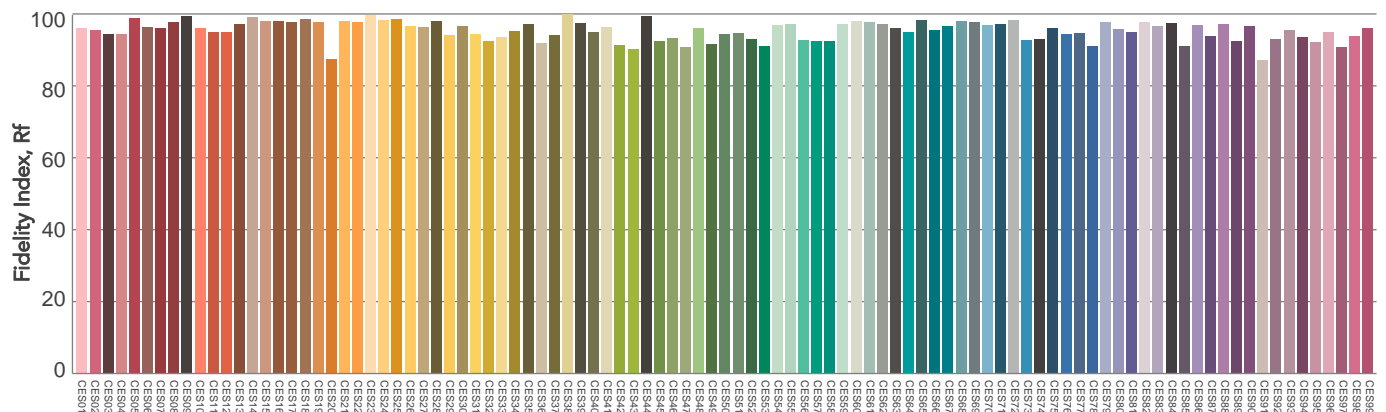
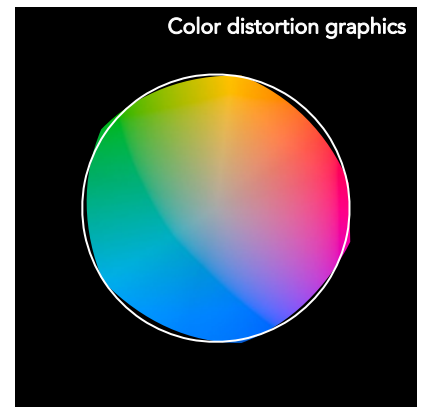
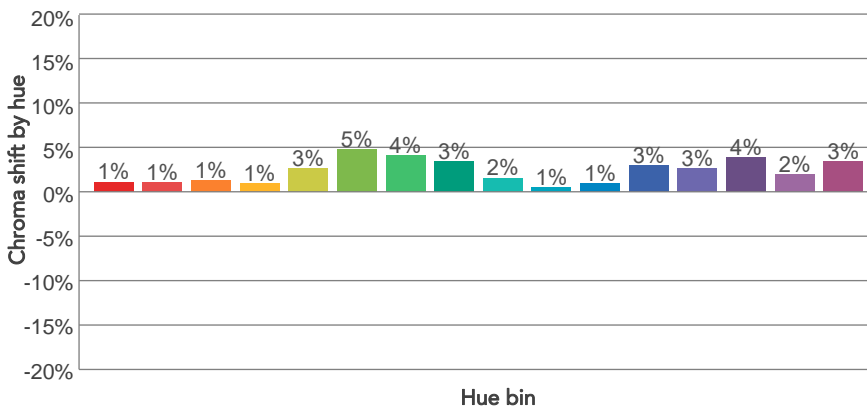
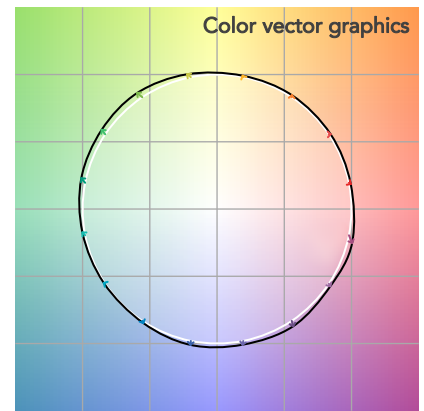
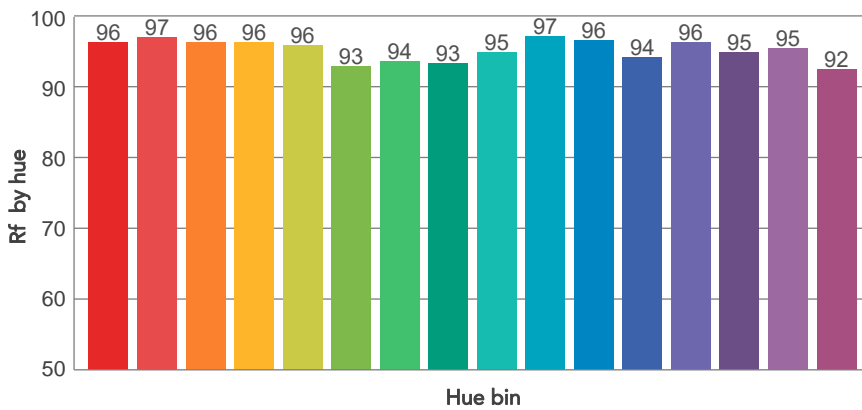
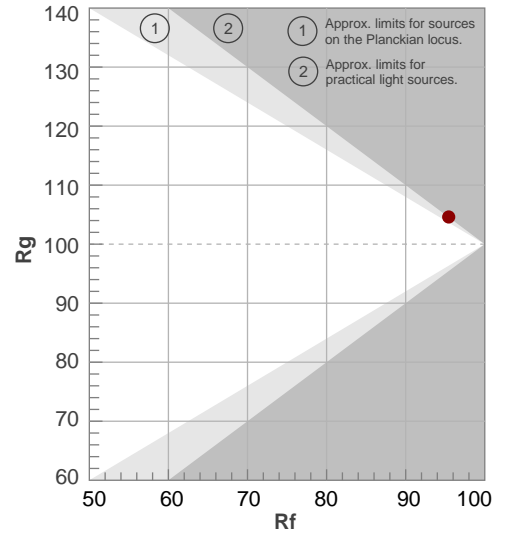
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2724 K	95,6	91,9	95,4	104,6	94,4	97	0,455	0,405	-0,0017

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%	2%
7	94	4%	-1%
8	93	3%	-3%
9	95	2%	-2%
10	97	1%	-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%

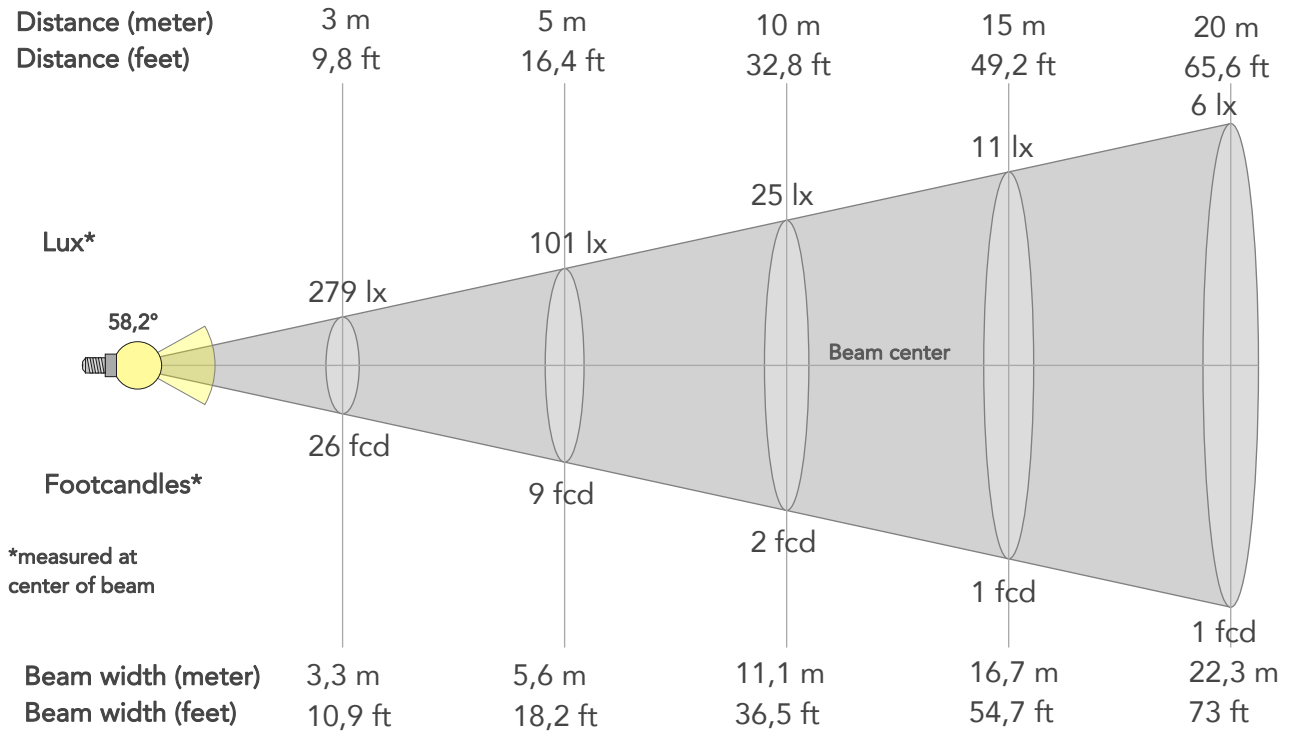


Color Evaluation Sample

BEAM DETAILS



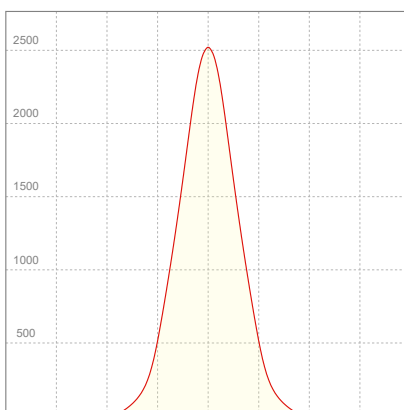
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,2°	107,4°	141,7°	94,2%	81,0%



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	2514lx	629lx	279lx	157lx	101lx	45lx	25lx	11lx	6lx	4lx	3lx	2lx	1lx
Footcand.	234fcd	58fcd	26fcd	15fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,5m	5,6m	8,3m	11,1m	16,7m	22,3m	27,8m	33,4m	44,5m	55,6m
Beam wid.	3,7ft	7,3ft	10,9ft	14,6ft	18,2ft	27,4ft	36,5ft	54,7ft	73ft	91,2ft	109,5ft	146ft	182,5ft

LINEAR DISTRIBUTION DIAGRAM

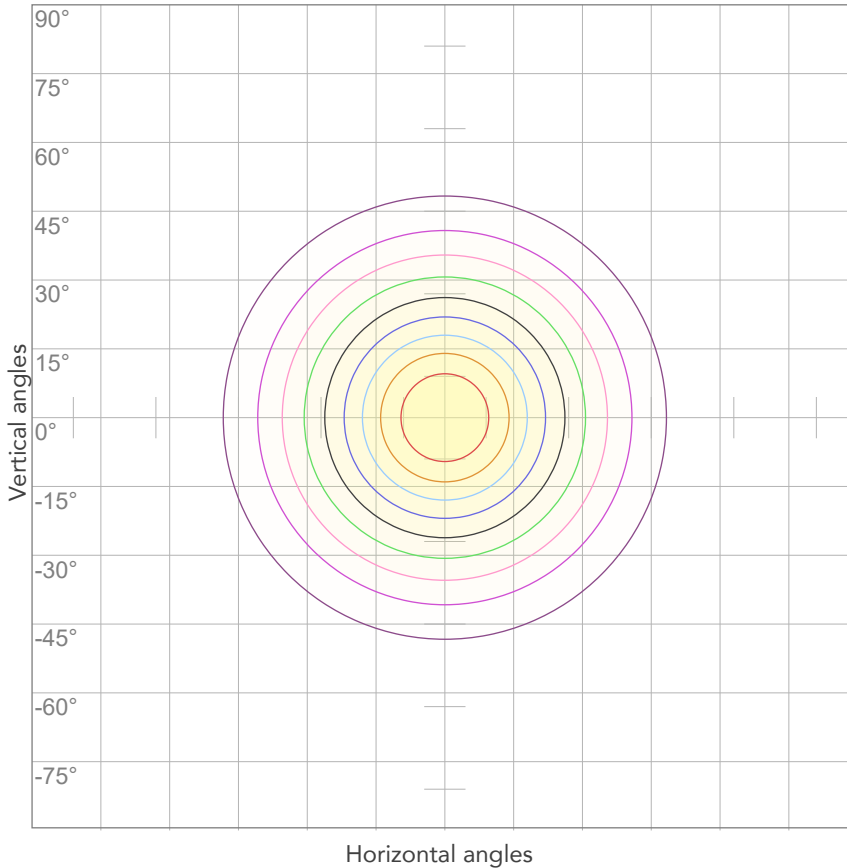


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,347A	72,0W	0,92	40lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



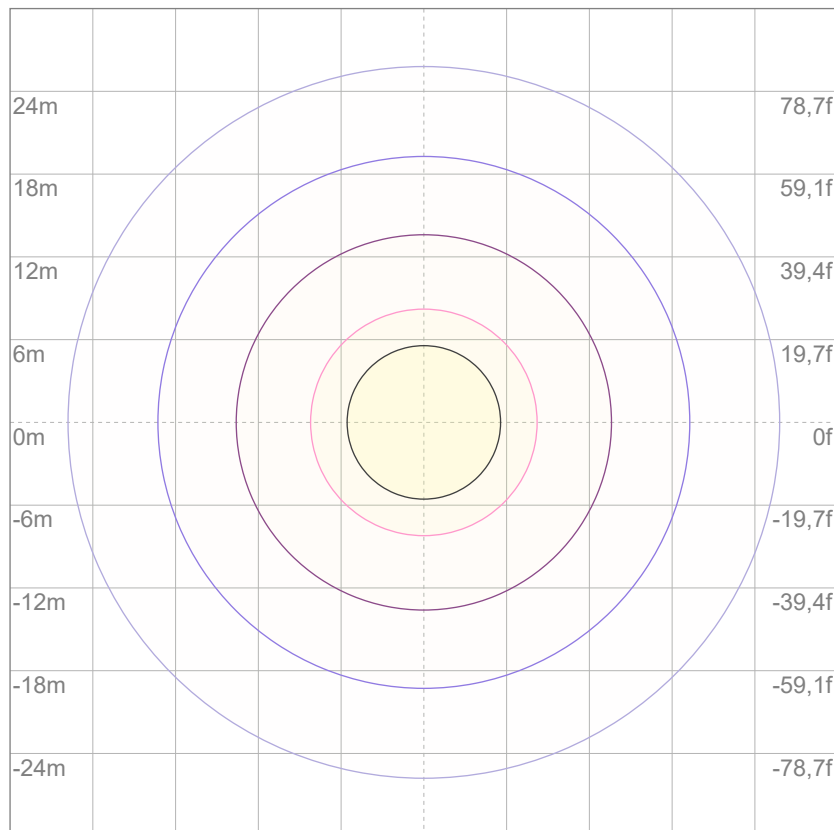
10%	251 cd
20%	503 cd
30%	754 cd
40%	1006 cd
50%	1257 cd
60%	1509 cd
70%	1760 cd
80%	2011 cd

Conditions:

Number of c-planes: 2

Candela at center: 2514 cd

ISO LUX DIAGRAM



3%	0,754 lx
5%	1,26 lx
10%	2,51 lx
30%	7,54 lx
50%	12,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 25,1 lx

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



Total lumen output:

4305 lm

Peak candela output:

8709 cd

Light quality:

CRI: 95,6

Color temperature:

2712 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x60° Filter

Target:

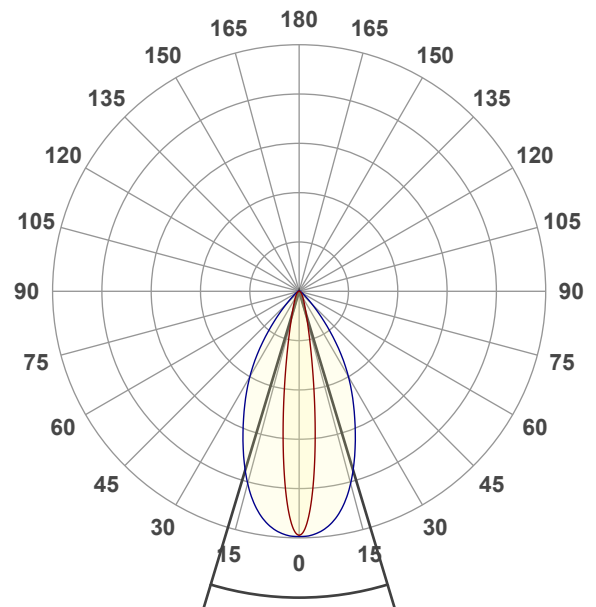
2700K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 10:59:28

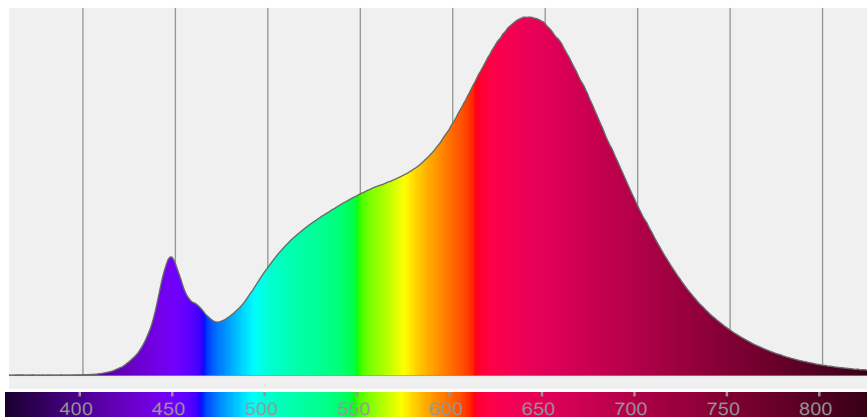


Beam angle 50%: 33,6°

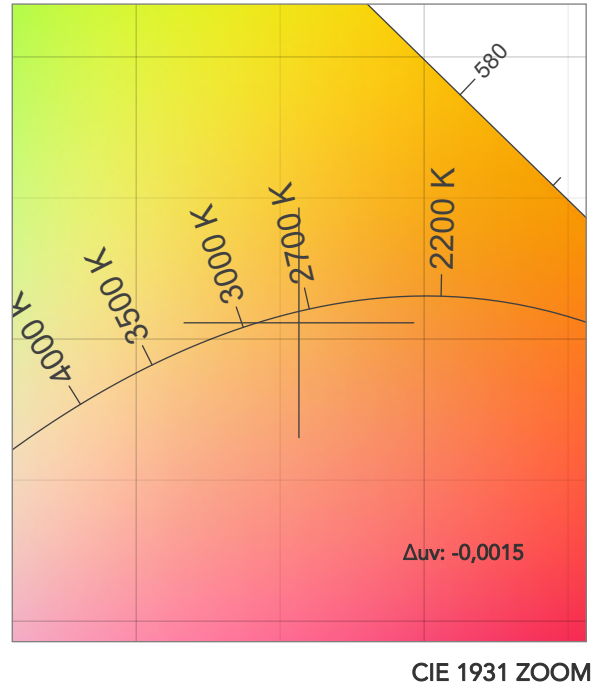
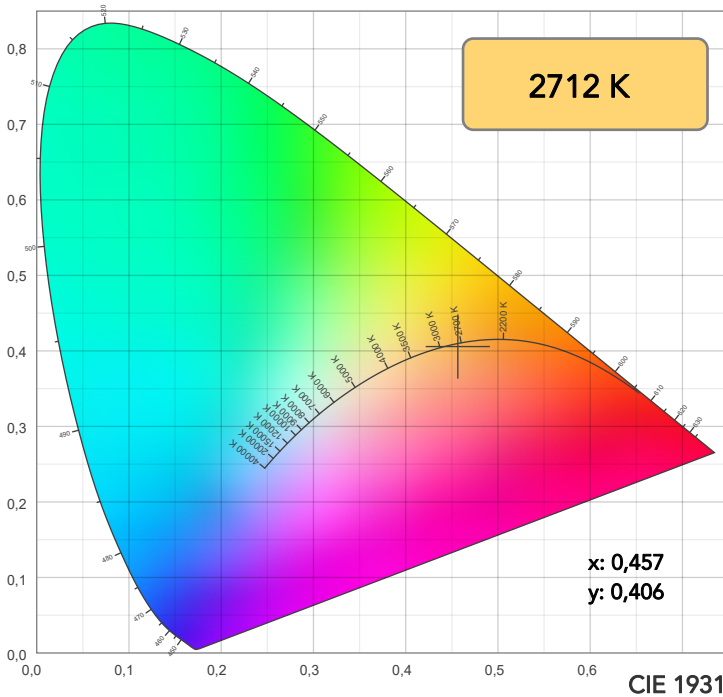
Field angle 10%: 60,1°

Cut off angle 2.5%: 88°

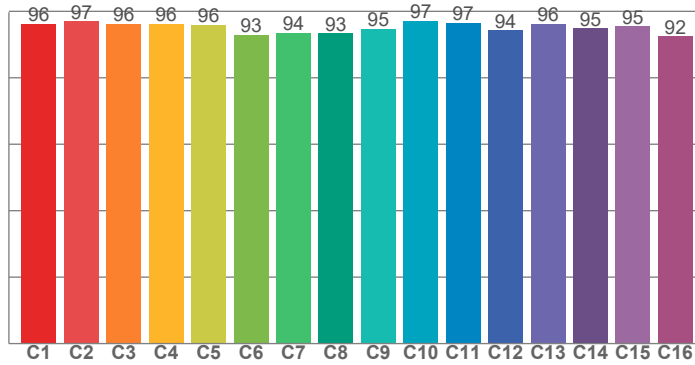
Spectra



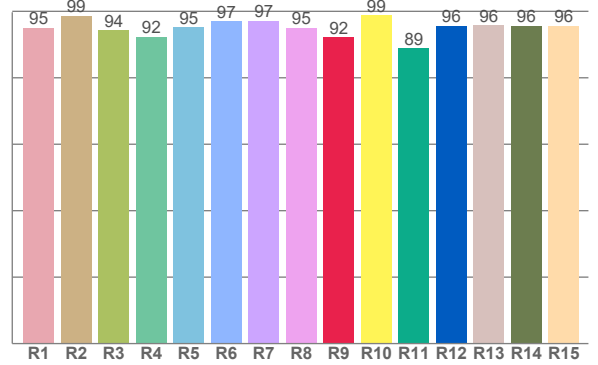
COLOR DETAILS



TM30: 95,4



CRI: 95,6 (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
95,1	98,7	94,4	92,4	95,2	97,0	97,2	95,1	92,2	98,8	89,0	95,7	95,7	95,7	95,7

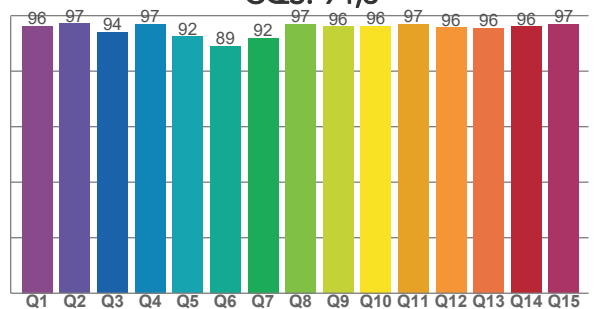
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 94,3



COLOR PARAMETERS

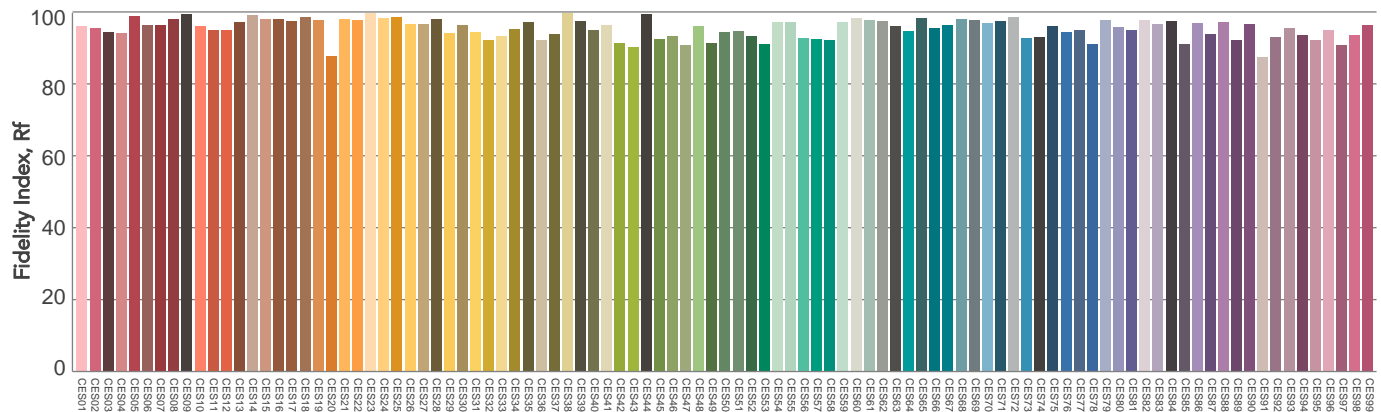
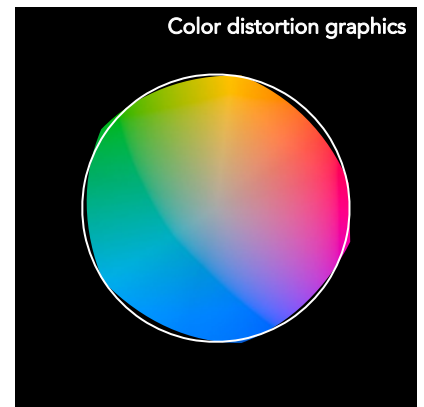
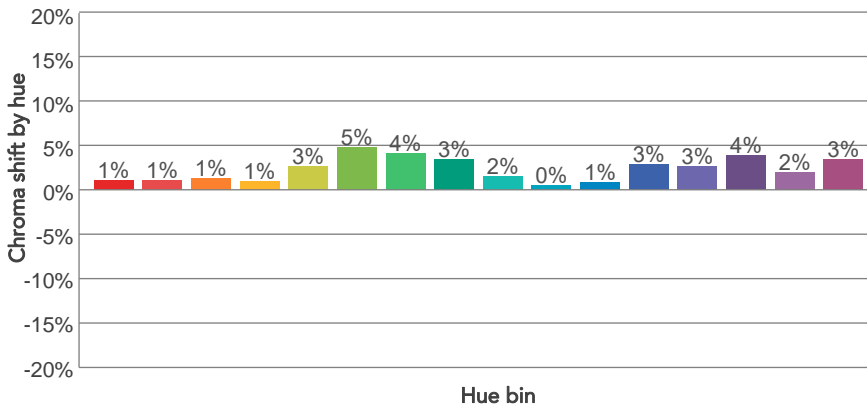
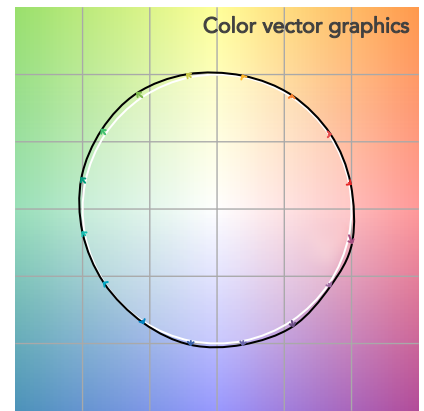
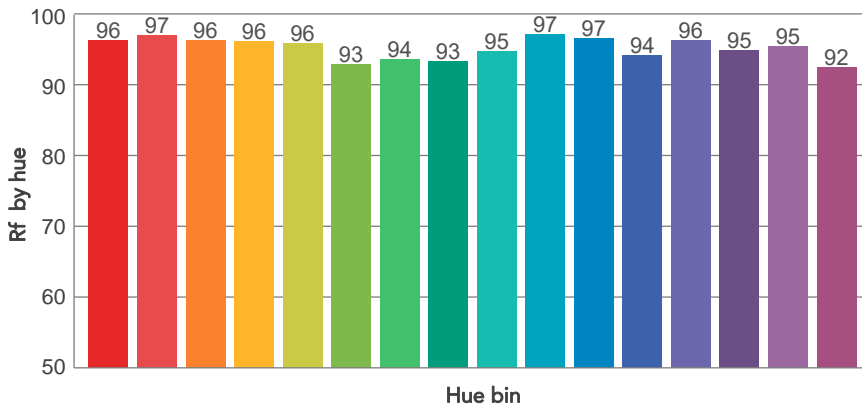
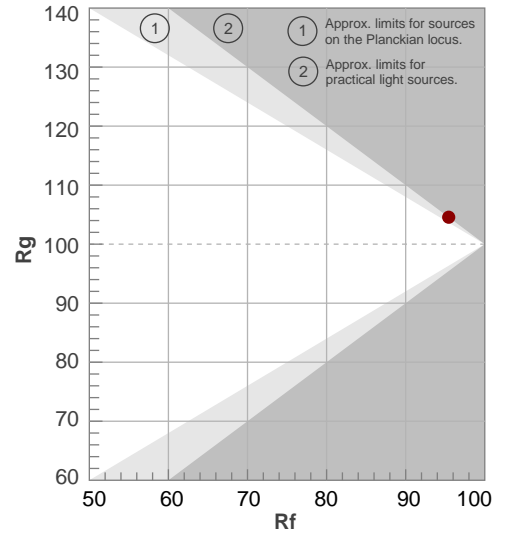
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2712 K	95,6	92,2	95,4	104,6	94,3	97	0,457	0,406	-0,0015

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%	2%
7	94	4%	-1%
8	93	3%	-3%
9	95	2%	-3%
10	97	0%	-1%
11	97	1%	1%
12	94	3%	0%
13	96	3%	-1%
14	95	4%	-1%
15	95	2%	-1%
16	92	3%	-5%

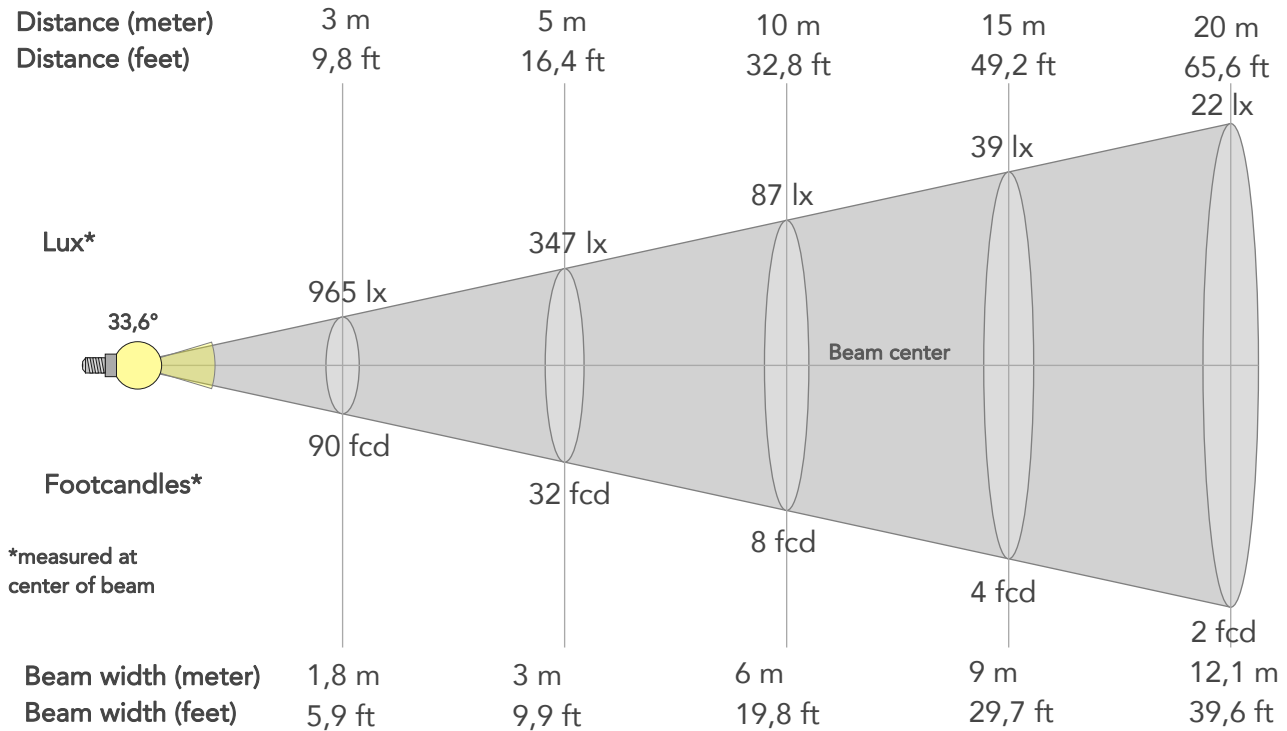


Color Evaluation Sample

BEAM DETAILS



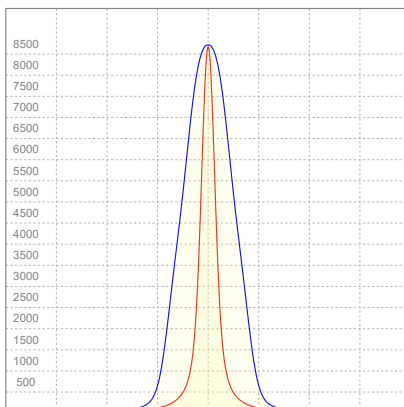
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,6°	60,1°	88°	97,1%	91,4%



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	8687lx	2172lx	965lx	543lx	347lx	154lx	87lx	39lx	22lx	14lx	10lx	5lx	3lx
Footcand.	807fcd	202fcd	90fcd	50fcd	32fcd	14fcd	8fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12,1m	15,1m	18,1m	24,1m	30,2m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,8ft	19,8ft	29,7ft	39,6ft	49,4ft	59,3ft	79,1ft	98,9ft

LINEAR DISTRIBUTION DIAGRAM

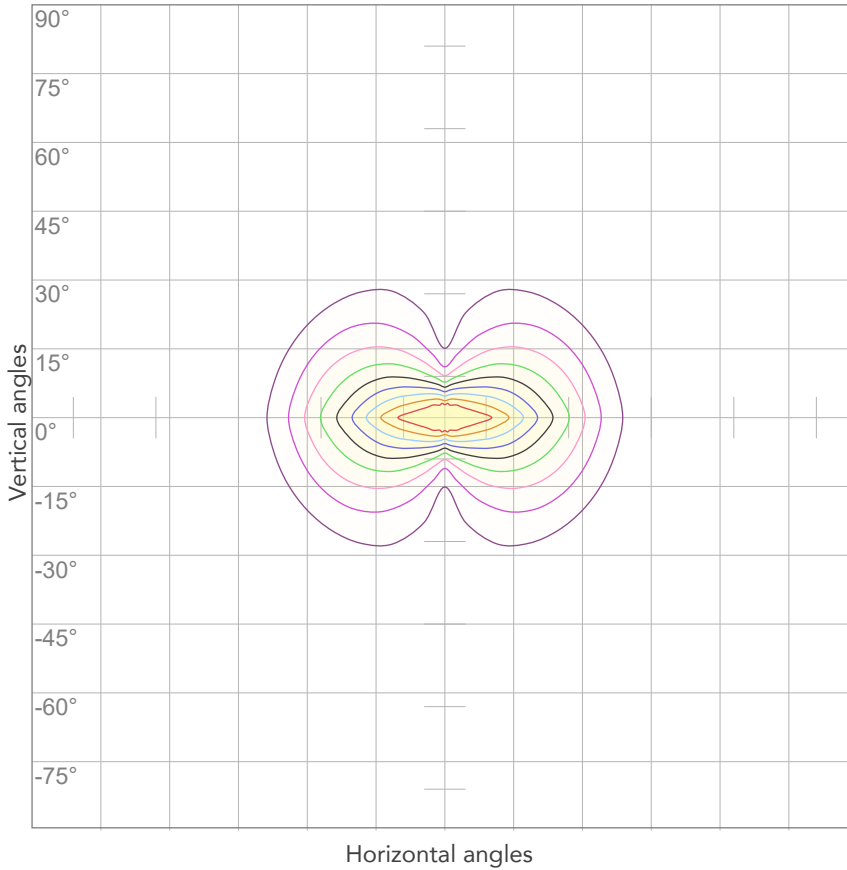


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,350A	72,2W	0,92	60lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



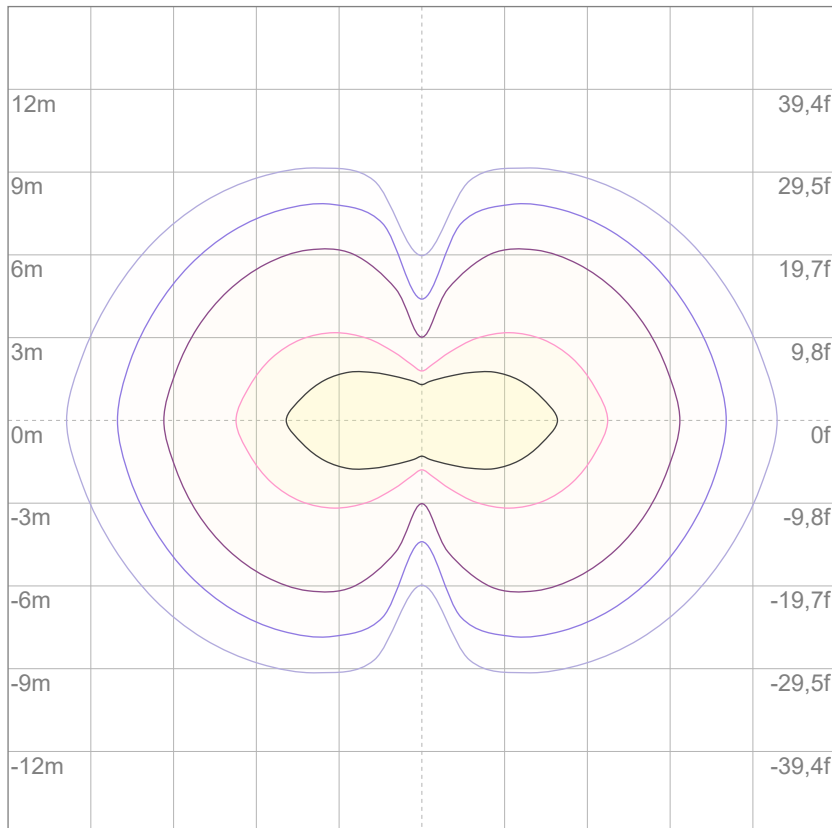
10%	869 cd
20%	1737 cd
30%	2606 cd
40%	3475 cd
50%	4343 cd
60%	5212 cd
70%	6081 cd
80%	6949 cd

Conditions:

Number of c-planes: 4

Candela at center: 8687 cd

ISO LUX DIAGRAM



3%	2,61 lx
5%	4,34 lx
10%	8,69 lx
30%	26,1 lx
50%	43,4 lx

Conditions:

Number of c-planes: 4

Lux at center: 86,9 lx

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



Total lumen output:

3224 lm

Peak candela output:

4451 cd

Light quality:

CRI: 95,6

Color temperature:

2715 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x60° Filter

Target:

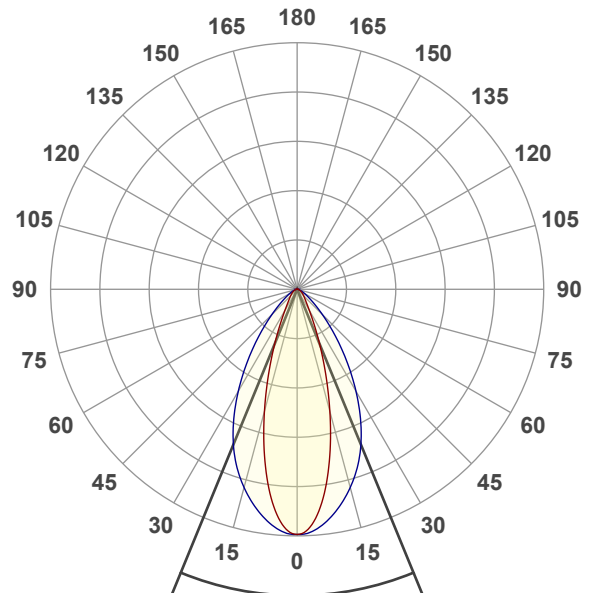
2700K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 11:31:38

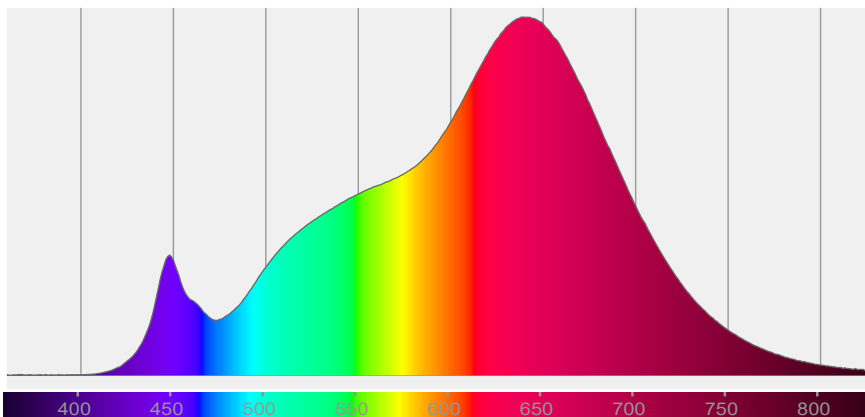


Beam angle 50%: 44,7°

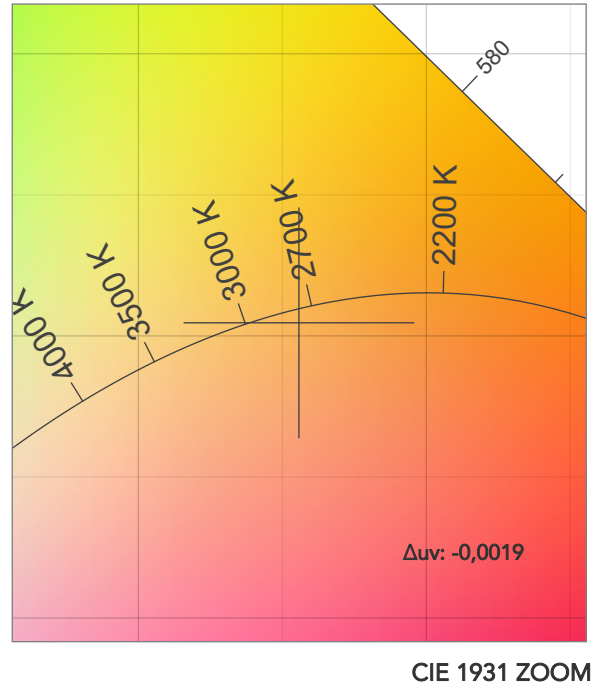
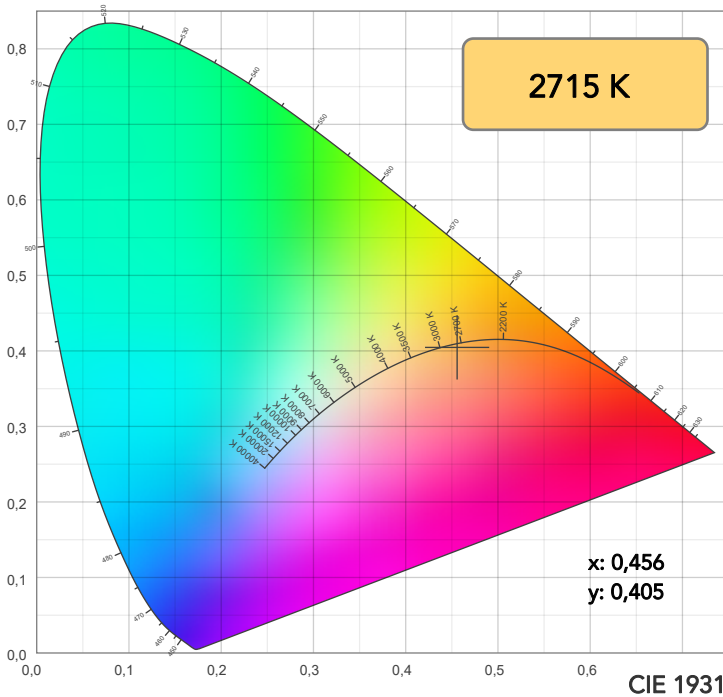
Field angle 10%: 78,9°

Cut off angle 2.5%: 118,6°

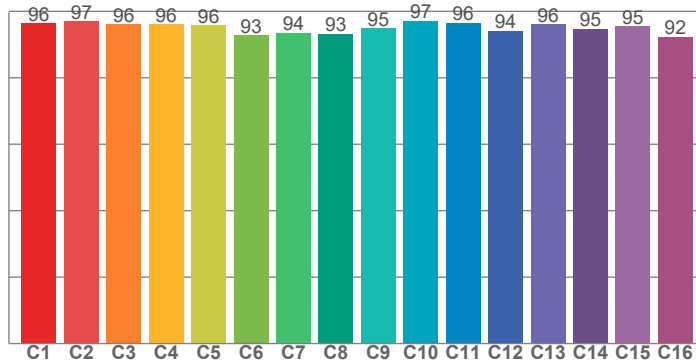
Spectra



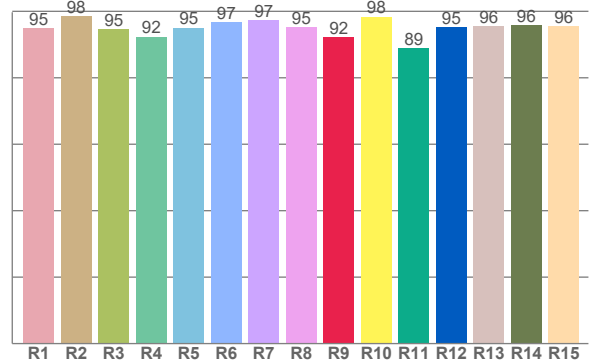
COLOR DETAILS



TM30: 95,4



CRI: 95,6 (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
94,9	98,5	94,7	92,4	95,0	96,6	97,4	95,2	92,1	98,4	88,9	95,3	95,5	95,8	95,5

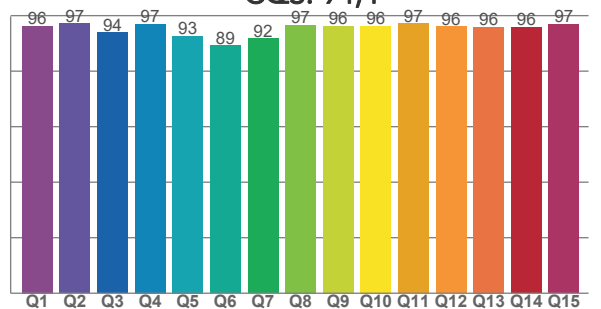
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 94,4



COLOR PARAMETERS

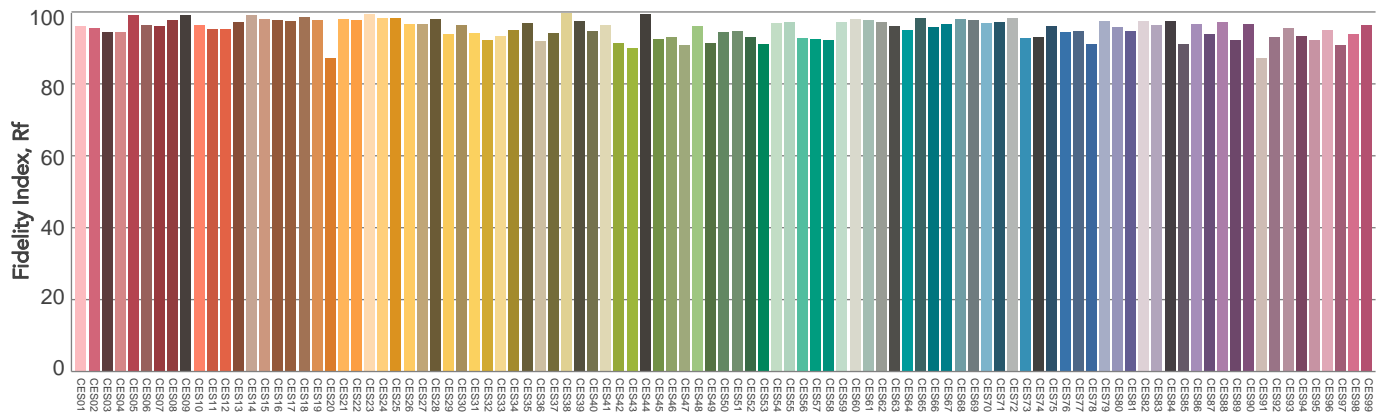
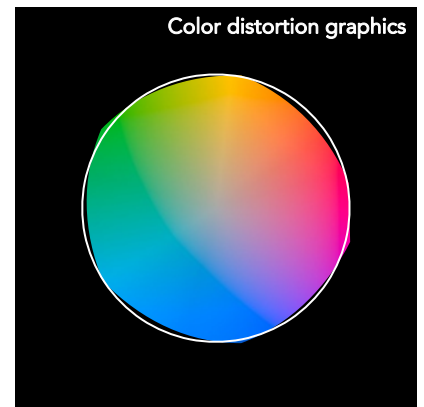
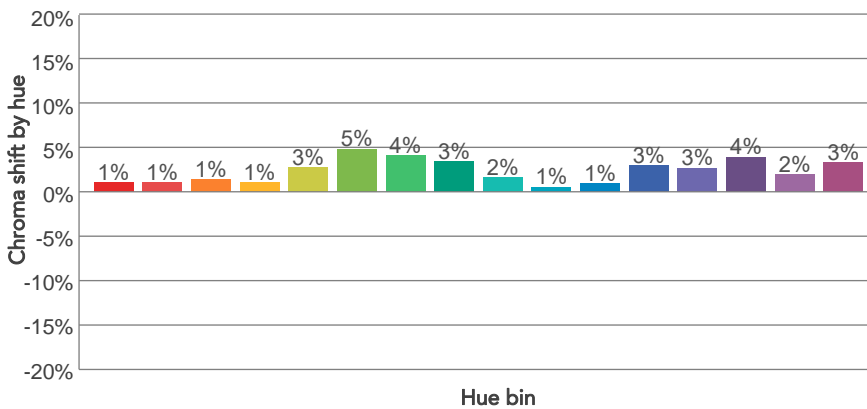
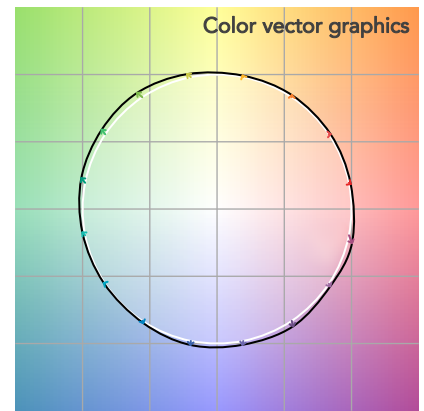
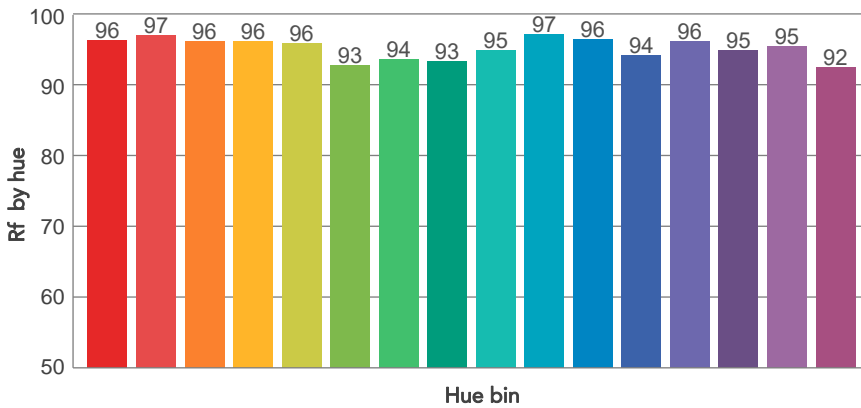
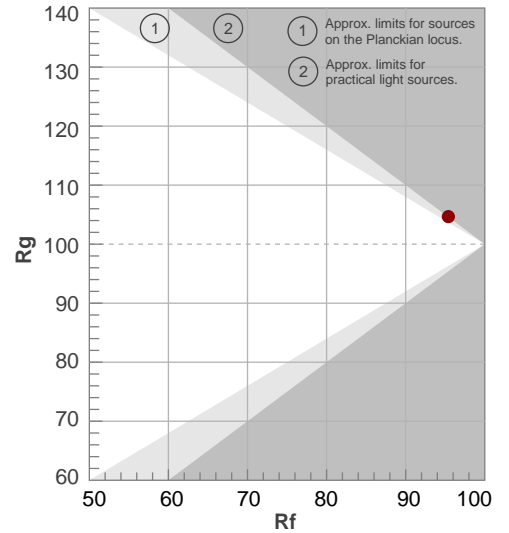
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2715 K	95,6	92,1	95,4	104,7	94,4	97	0,456	0,405	-0,0019

TM30 DETAILS

Rf 95,4
Fidelity index Rf

Rg 104,7
Gammut index

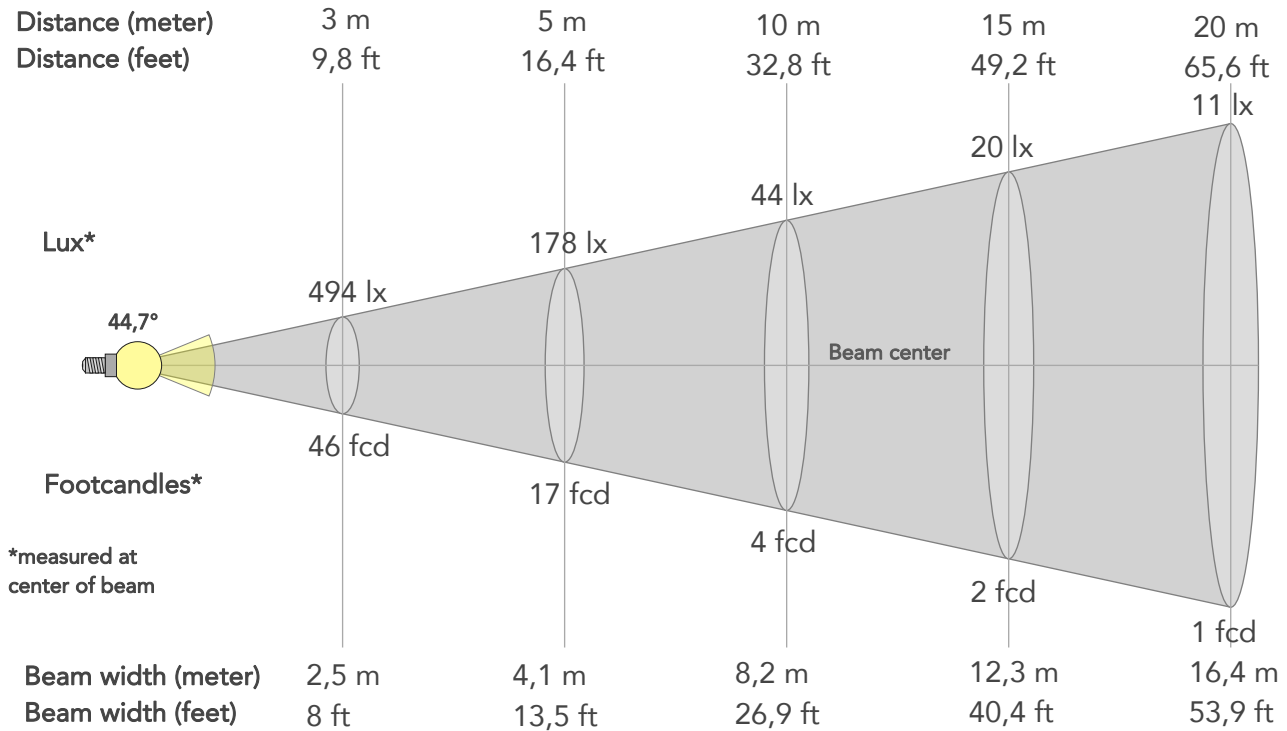
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-1%
2	97	1%	-1%
3	96	1%	1%
4	96	1%	1%
5	96	3%	2%
6	93	5%	1%
7	94	4%	-1%
8	93	3%	-3%
9	95	2%	-2%
10	97	1%	-1%
11	96	1%	2%
12	94	3%	0%
13	96	3%	-1%
14	95	4%	-1%
15	95	2%	-1%
16	92	3%	-5%



BEAM DETAILS



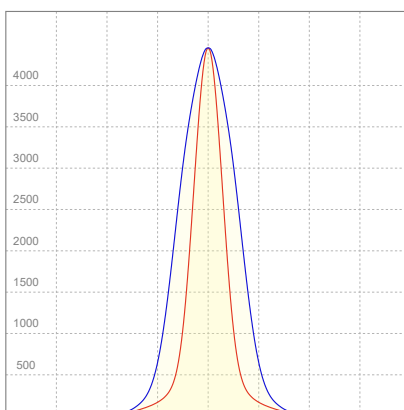
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,7°	78,9°	118,6°	95,8%	86,6%



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	4449lx	1112lx	494lx	278lx	178lx	79lx	44lx	20lx	11lx	7lx	5lx	3lx	2lx
Footcand.	413fcd	103fcd	46fcd	26fcd	17fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,3m	16,4m	20,5m	24,6m	32,9m	41,1m
Beam wid.	2,7ft	5,4ft	8ft	10,8ft	13,5ft	20,2ft	26,9ft	40,4ft	53,9ft	67,3ft	80,8ft	107,8ft	134,7ft

LINEAR DISTRIBUTION DIAGRAM

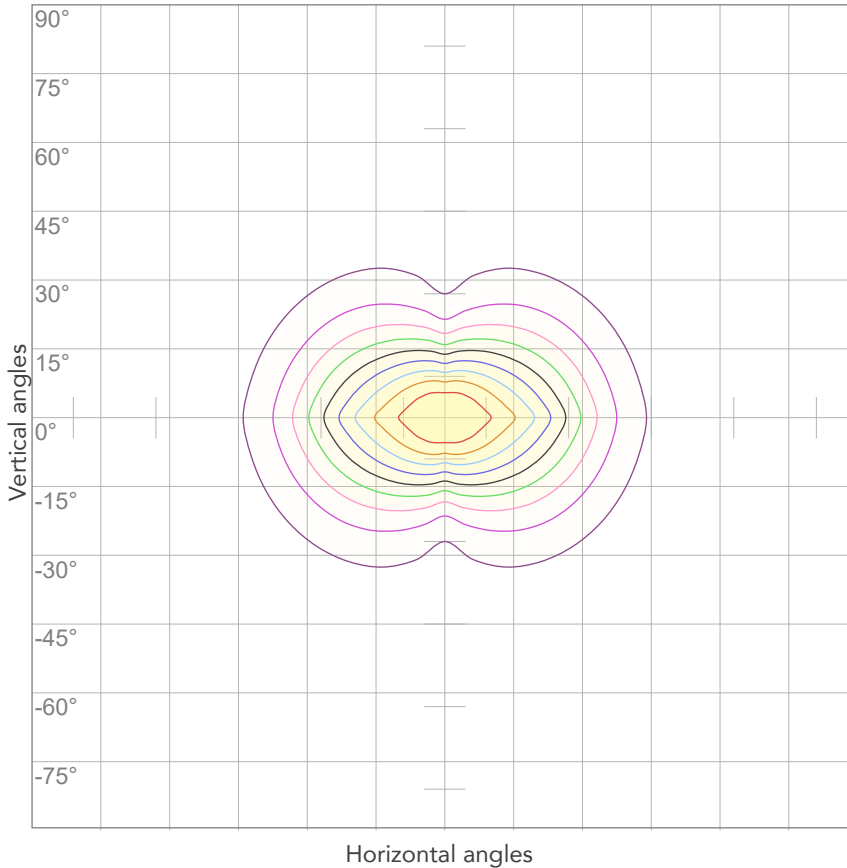


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,350A	72,0W	0,92	45lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



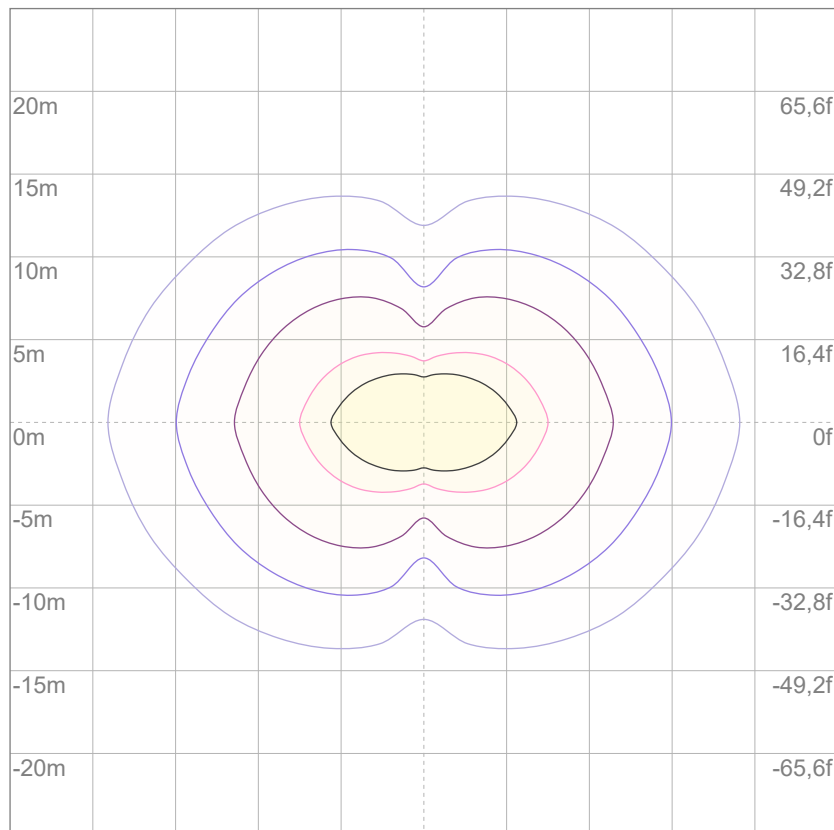
10%	445 cd
20%	890 cd
30%	1335 cd
40%	1780 cd
50%	2224 cd
60%	2669 cd
70%	3114 cd
80%	3559 cd

Conditions:

Number of c-planes: 4

Candela at center: 4449 cd

ISO LUX DIAGRAM



3%	1,33 lx
5%	2,22 lx
10%	4,45 lx
30%	13,3 lx
50%	22,2 lx

Conditions:

Number of c-planes: 4

Lux at center: 44,5 lx

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



Total lumen output:

3915 lm

Peak candela output:

73215 cd

Light quality:

CRI: 93,8

Color temperature:

3221 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

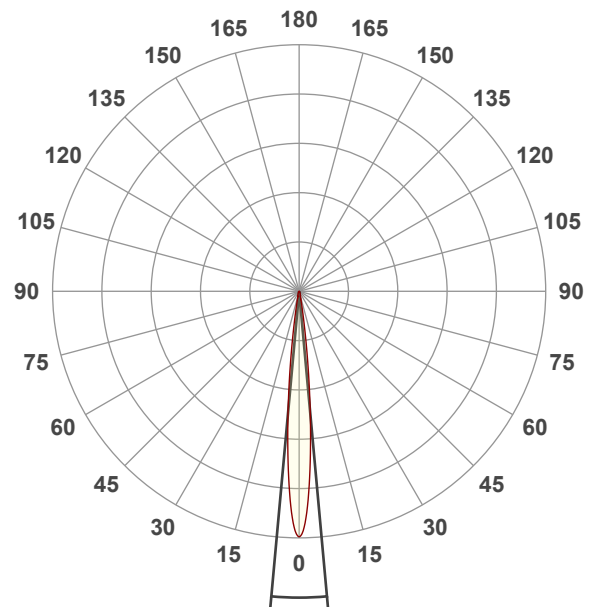
3200K

Operator:

Giacomo Matteo

Date and time:

21/02/2024 15:38:06

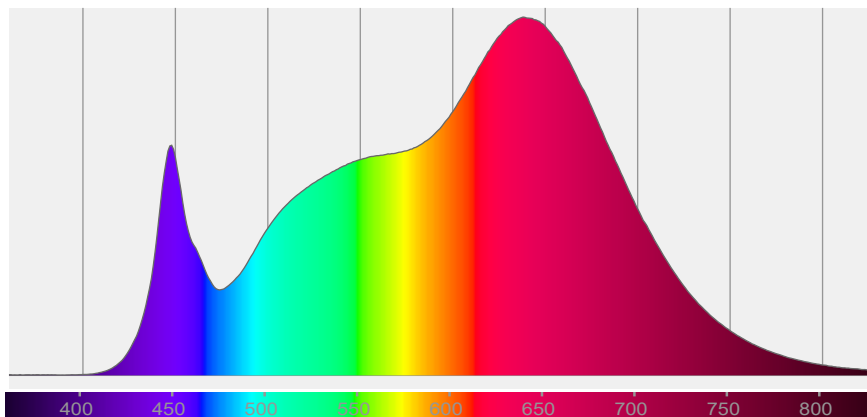


Beam angle 50%: 10,4°

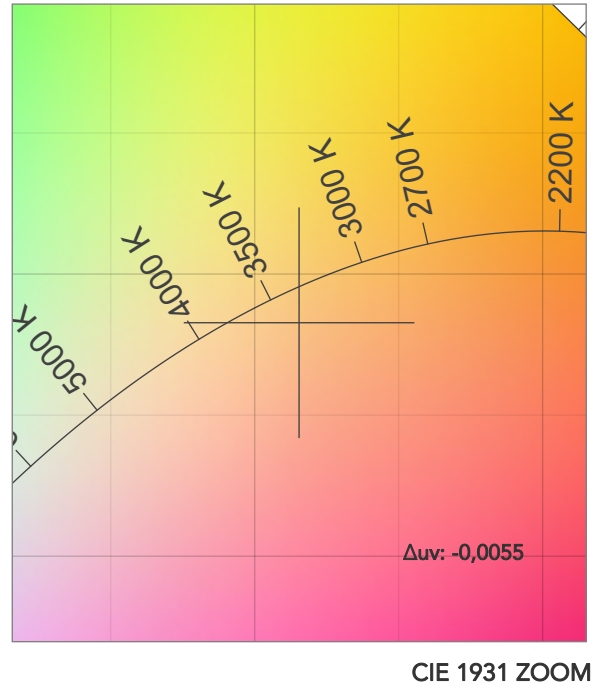
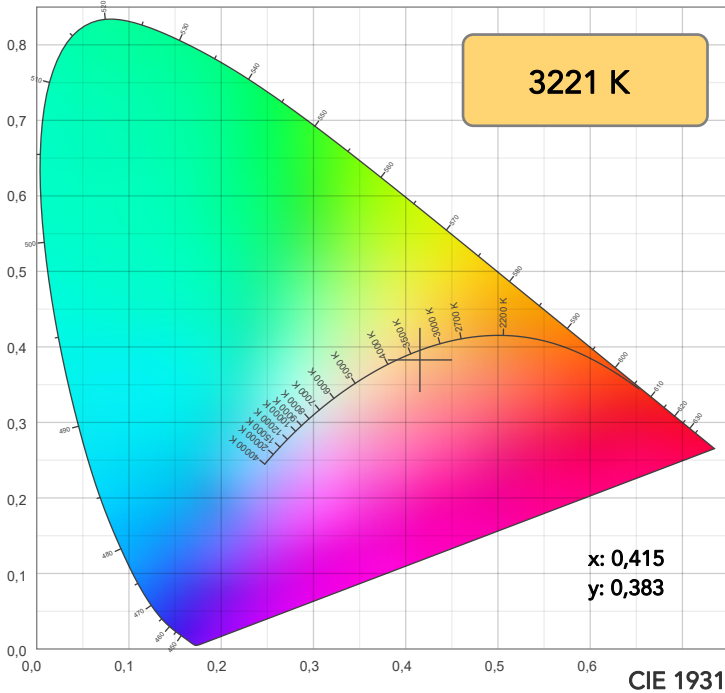
Field angle 10%: 18,8°

Cut off angle 2.5%: 27,2°

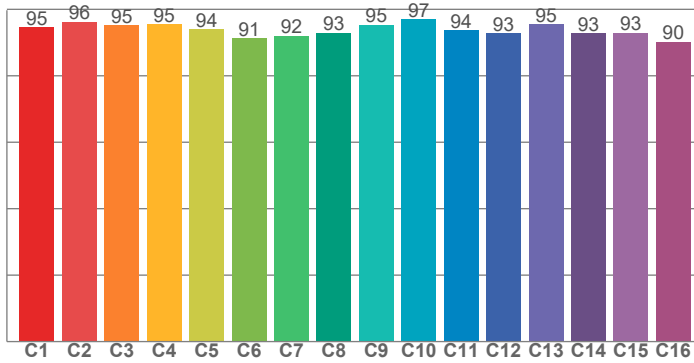
Spectra



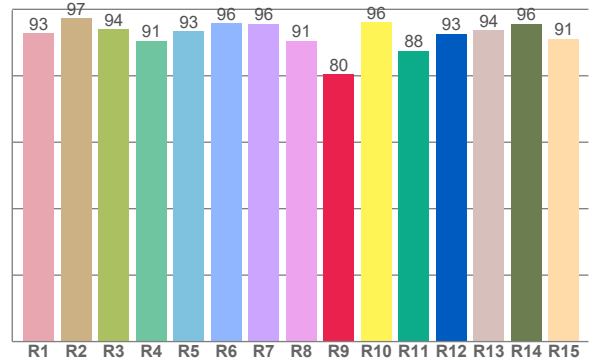
COLOR DETAILS



TM30: 94,1



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
92,9	97,3	94,0	90,6	93,4	95,8	95,7	90,6	80,4	96,2	87,6	92,7	93,7	95,6	91,1

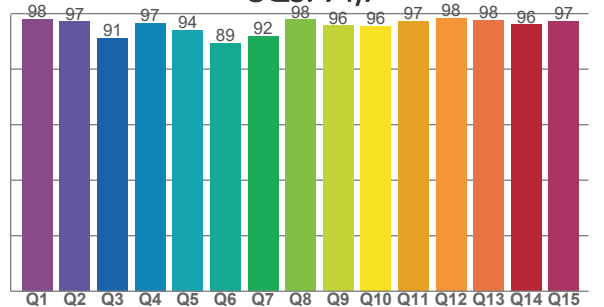
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,0	97,1	91,2	96,7	94,1	89,5	92,0	97,9	95,6	95,5	97,4	98,4	97,7	96,1	97,3

CQS: 94,7



COLOR PARAMETERS

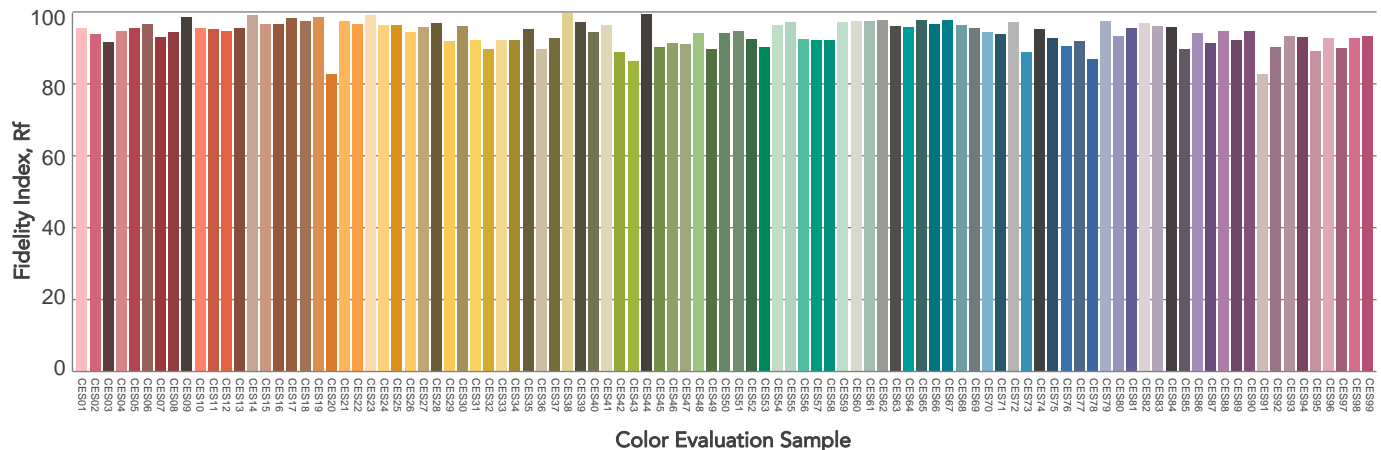
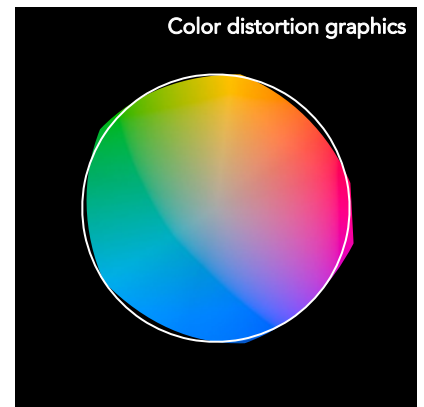
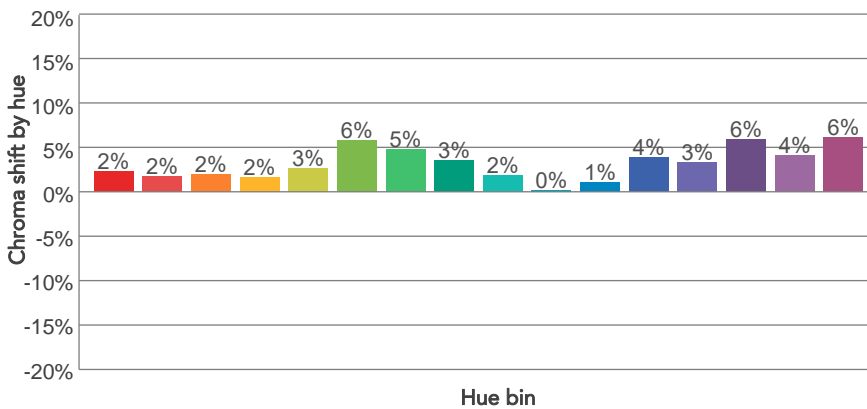
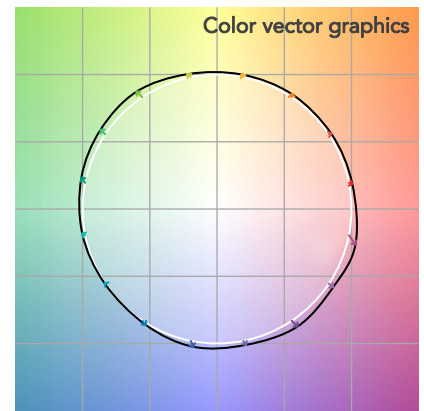
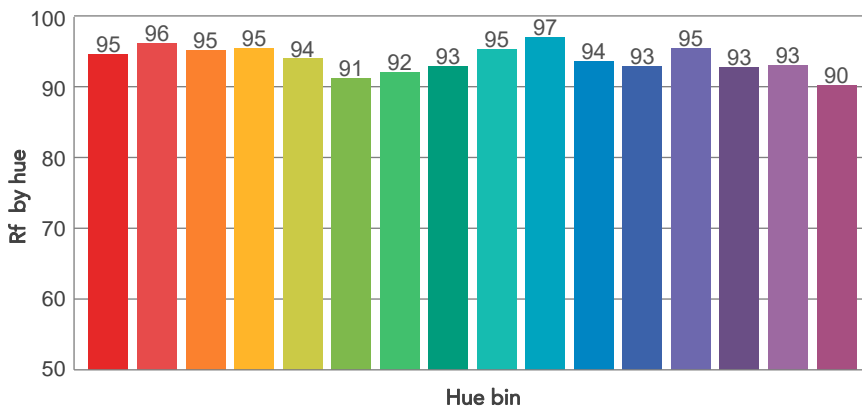
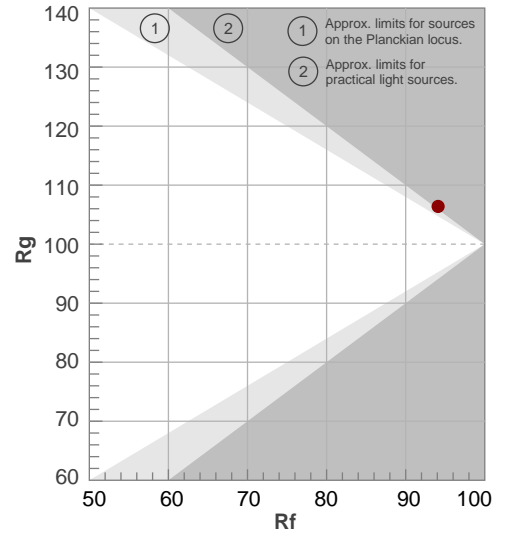
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3221 K	93,8	80,4	94,1	106,4	94,7	96	0,415	0,383	-0,0055

TM30 DETAILS

Rf 94,1
Fidelity index Rf

Rg 106,4
Gammut index

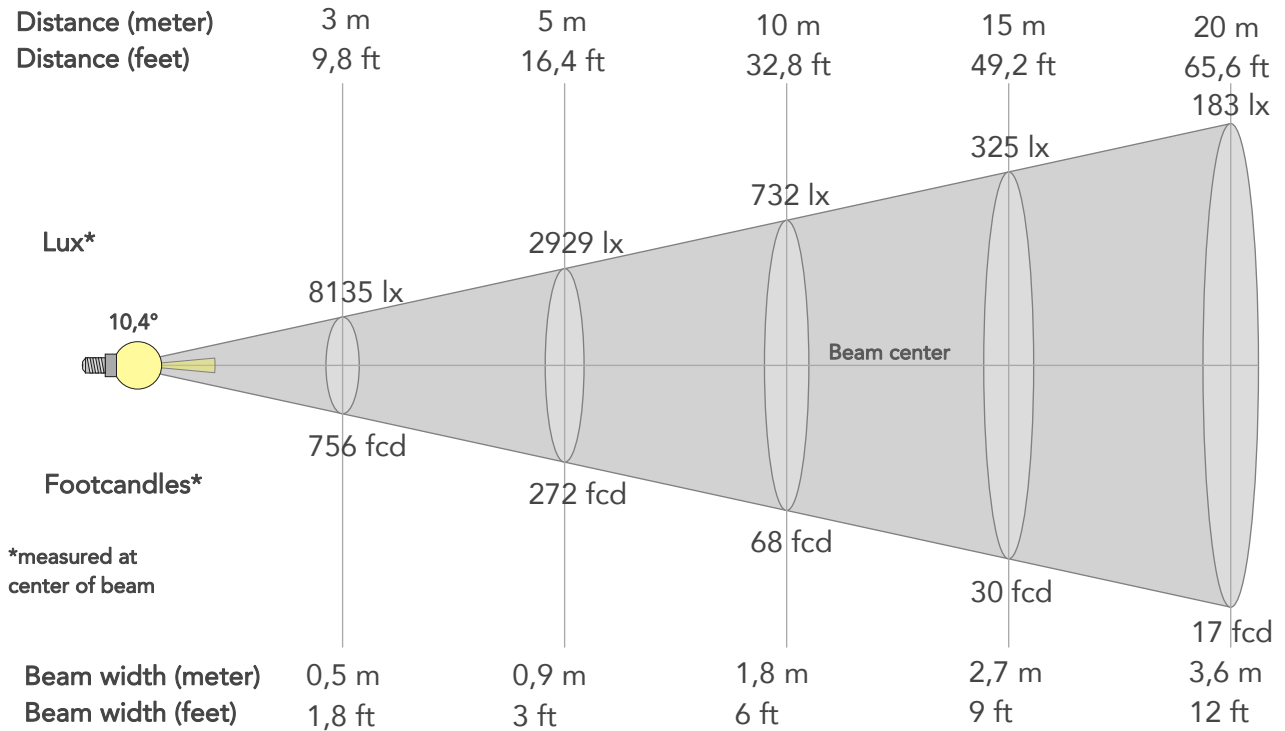
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	96	2%	-1%
3	95	2%	1%
4	95	2%	2%
5	94	3%	2%
6	91	6%	1%
7	92	5%	-1%
8	93	3%	-3%
9	95	2%	-2%
10	97	0%	-1%
11	94	1%	4%
12	93	4%	3%
13	95	3%	1%
14	93	6%	1%
15	93	4%	0%
16	90	6%	-6%



BEAM DETAILS



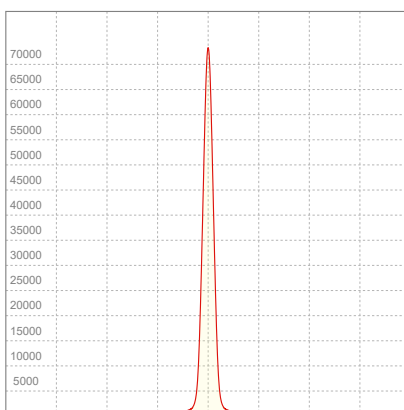
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,4°	18,8°	27,2°	95,3%	91,3%



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	73215lx	18304lx	8135lx	4576lx	2929lx	1302lx	732lx	325lx	183lx	117lx	81lx	46lx	29lx
Footcand.	6802fcd	1700fcd	756fcd	425fcd	272fcd	121fcd	68fcd	30fcd	17fcd	11fcd	8fcd	4fcd	3fcd
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

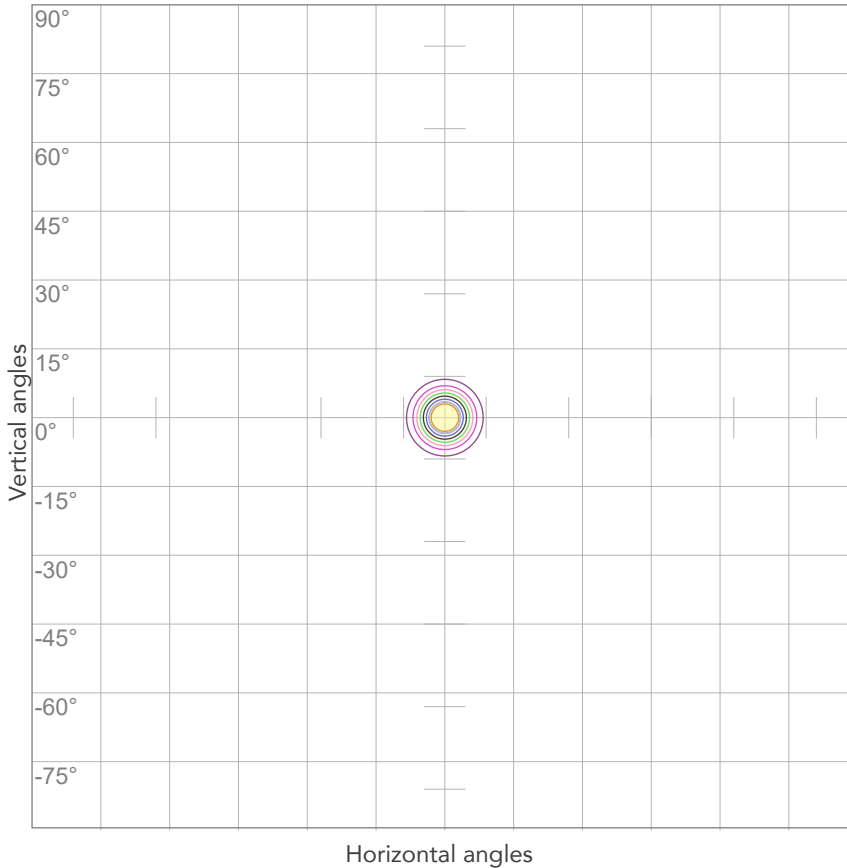


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,387A	80,3W	0,92	49lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



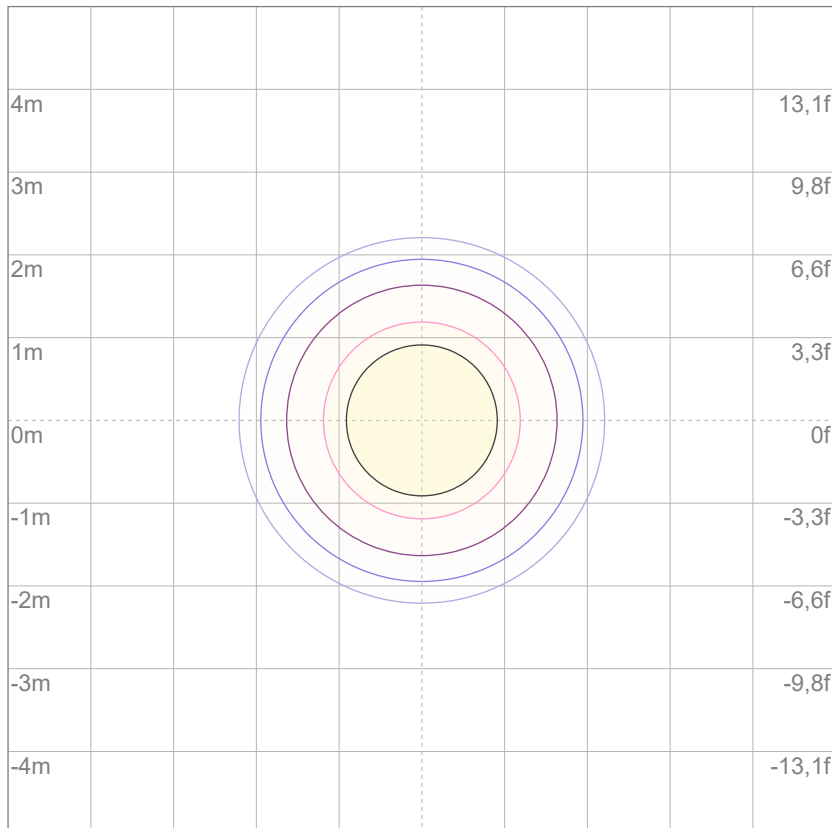
10%	7322 cd
20%	14643 cd
30%	21965 cd
40%	29286 cd
50%	36608 cd
60%	43929 cd
70%	51251 cd
80%	58572 cd

Conditions:

Number of c-planes: 2

Candela at center: 73215 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	22,0 lx
5%	36,6 lx
10%	73,2 lx
30%	220 lx
50%	366 lx

Conditions:

Number of c-planes: 2

Lux at center: 732 lx

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



Total lumen output:

3541 lm

Peak candela output:

13846 cd

Light quality:

CRI: 93,8

Color temperature:

3226 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

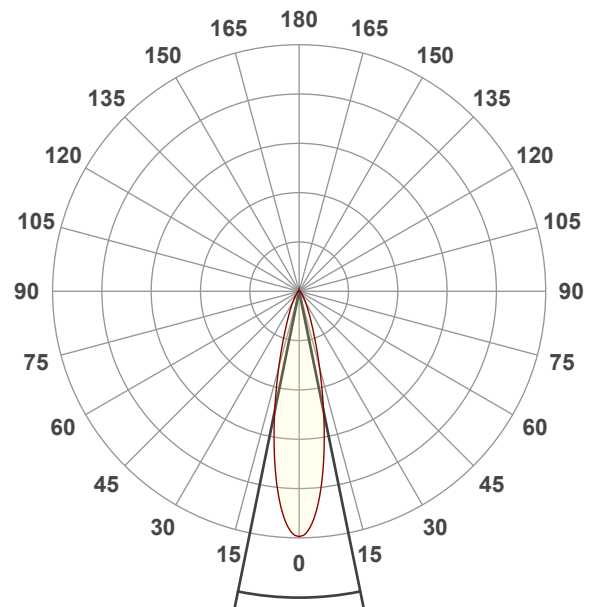
3200K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 11:22:11

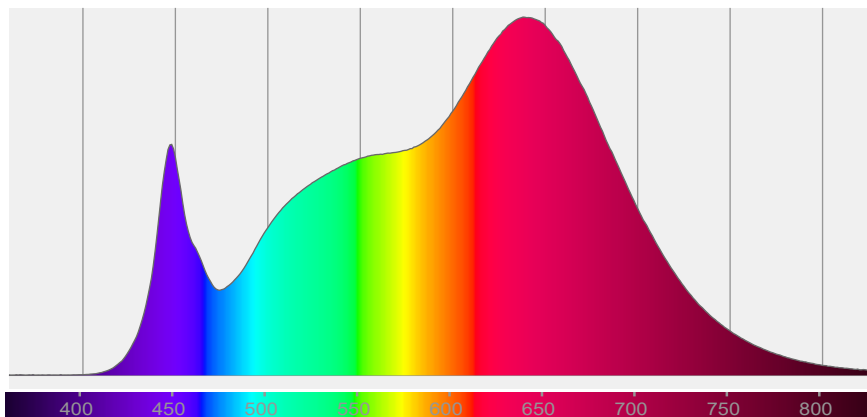


Beam angle 50%: 23°

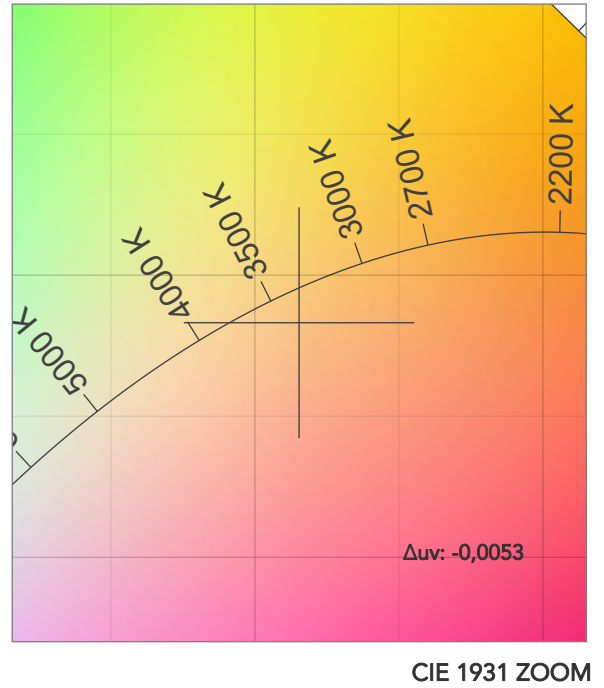
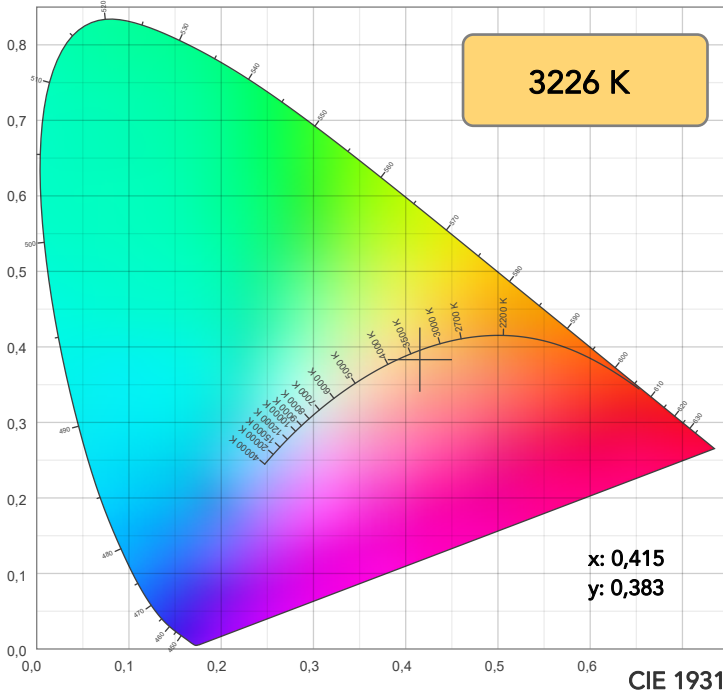
Field angle 10%: 47,8°

Cut off angle 2.5%: 76,5°

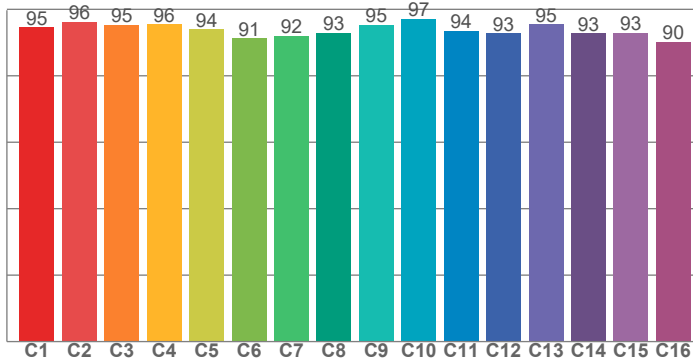
Spectra



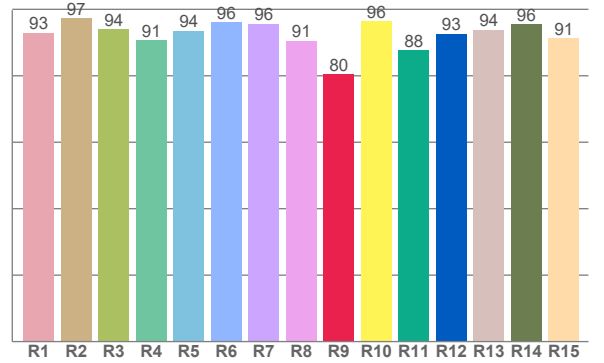
COLOR DETAILS



TM30: 94,1



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
93,0	97,4	93,9	90,6	93,5	96,0	95,6	90,5	80,5	96,4	87,6	92,7	93,9	95,6	91,2

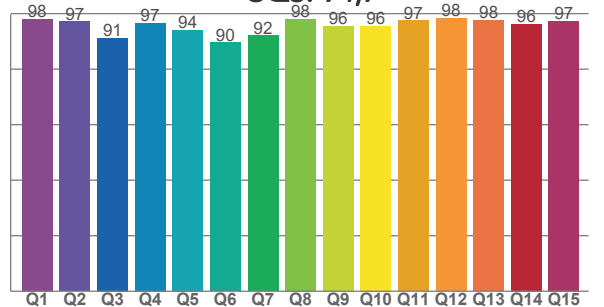
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,0	97,1	91,2	96,7	94,1	89,5	92,1	98,0	95,6	95,6	97,5	98,3	97,6	96,2	97,3

CQS: 94,7



COLOR PARAMETERS

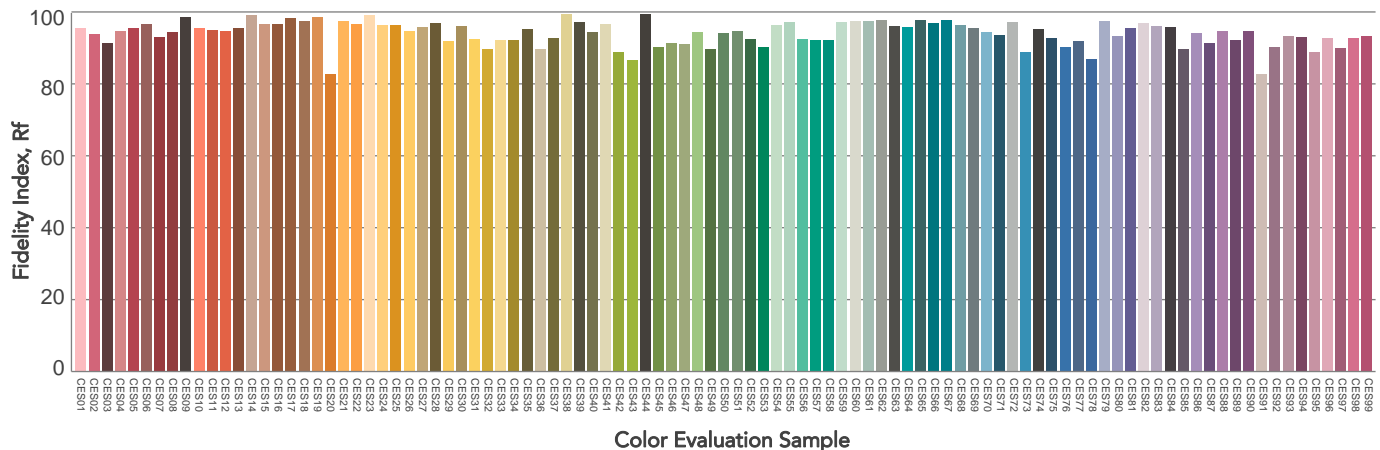
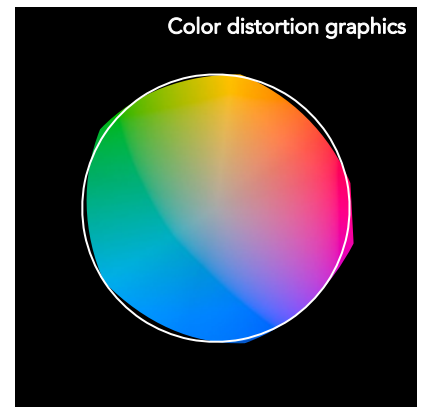
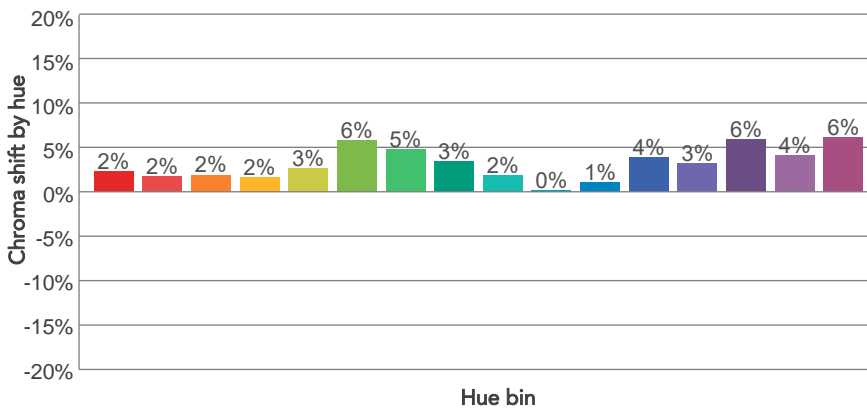
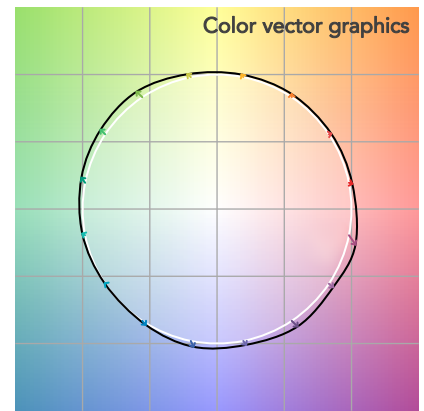
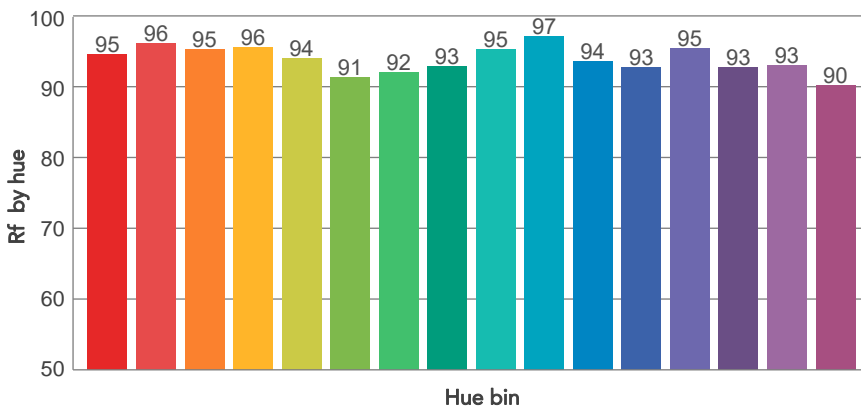
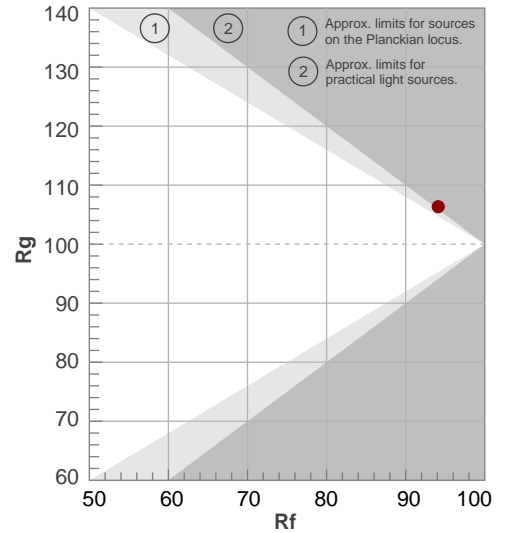
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3226 K	93,8	80,5	94,1	106,3	94,7	96	0,415	0,383	-0,0053

TM30 DETAILS

Rf 94,1
Fidelity index Rf

Rg 106,3
Gammut index

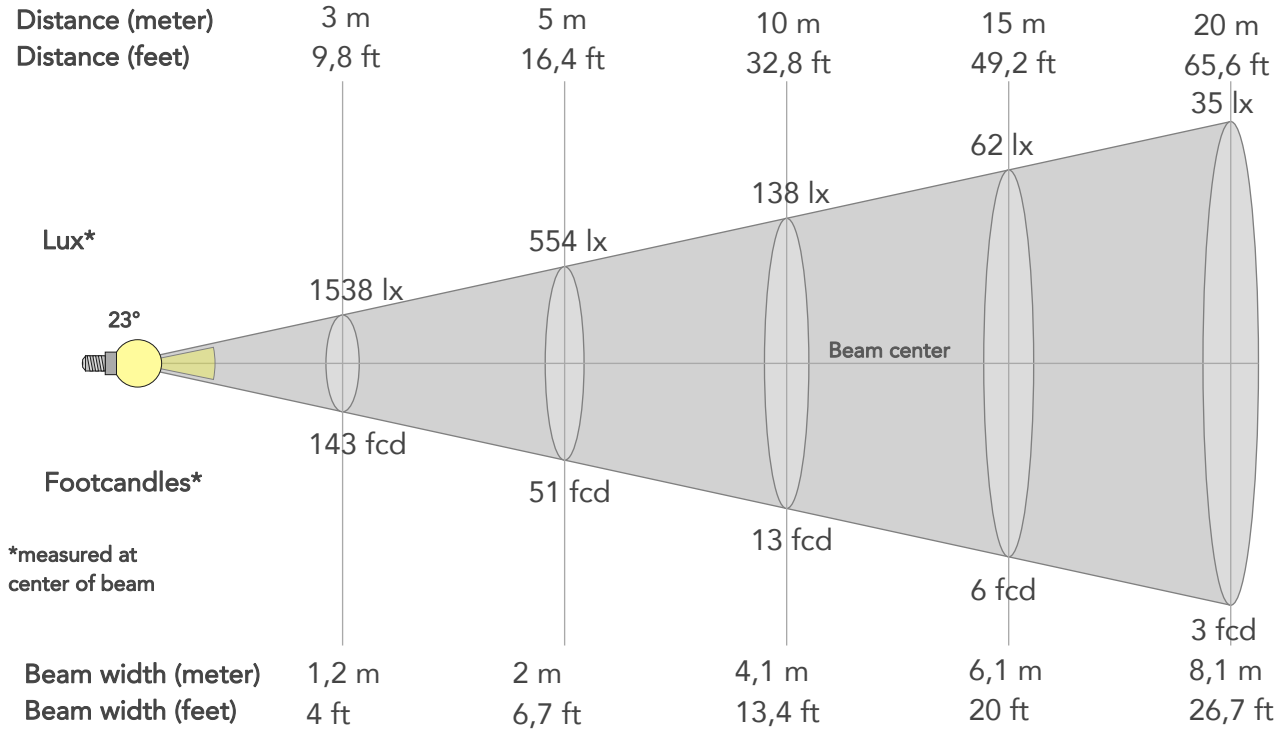
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	96	2%	-1%
3	95	2%	1%
4	96	2%	2%
5	94	3%	2%
6	91	6%	1%
7	92	5%	-1%
8	93	3%	-3%
9	95	2%	-2%
10	97	0%	0%
11	94	1%	4%
12	93	4%	3%
13	95	3%	2%
14	93	6%	1%
15	93	4%	0%
16	90	6%	-6%



BEAM DETAILS



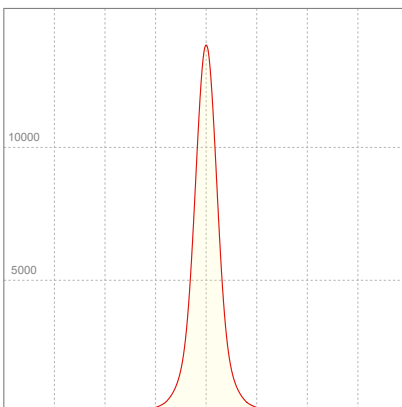
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23°	47,8°	76,5°	96,9%	91,7%



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	13846lx	3461lx	1538lx	865lx	554lx	246lx	138lx	62lx	35lx	22lx	15lx	9lx	6lx
Footcand.	1286fcd	322fcd	143fcd	80fcd	51fcd	23fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3,1m	4,1m	6,1m	8,1m	10,2m	12,2m	16,3m	20,4m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,7ft	10ft	13,4ft	20ft	26,7ft	33,4ft	40,1ft	53,5ft	66,8ft

LINEAR DISTRIBUTION DIAGRAM

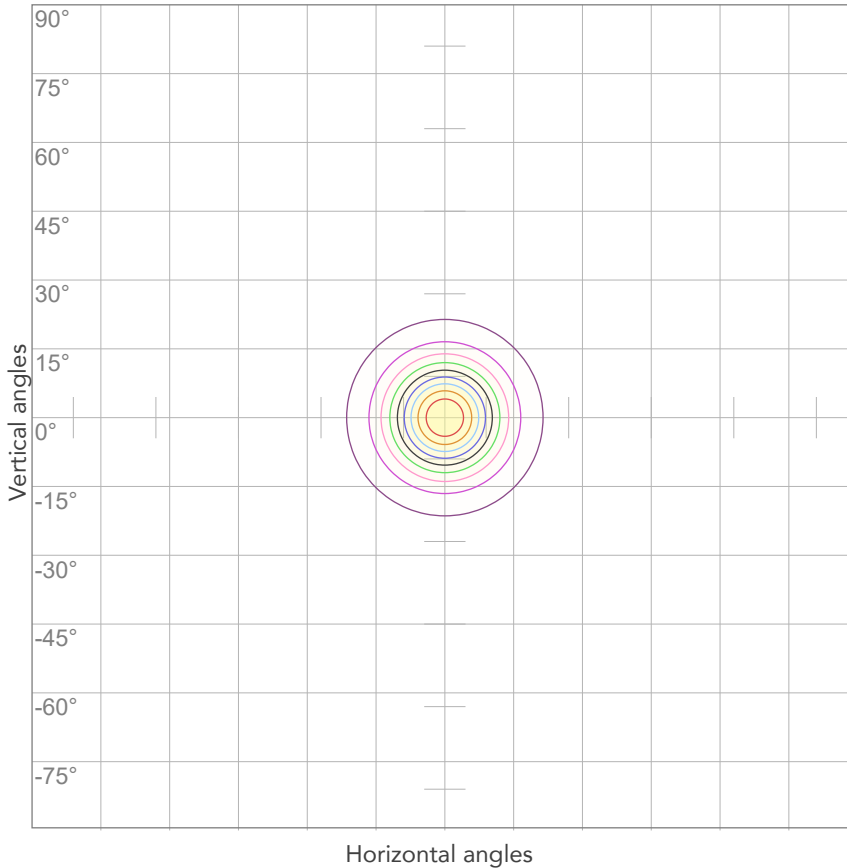


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,387A	80,4W	0,92	44lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



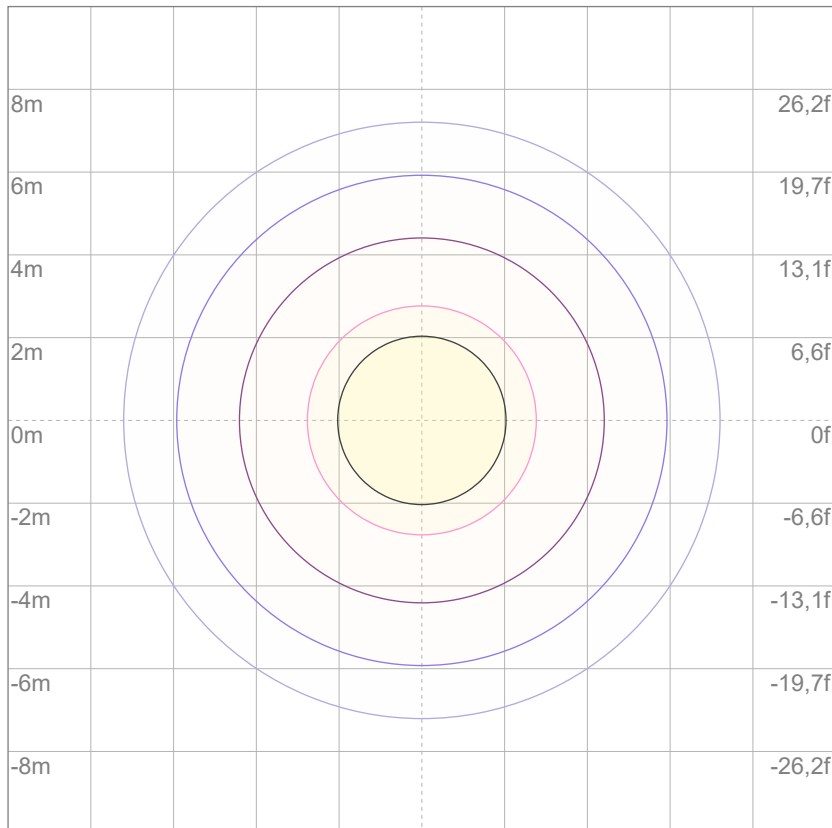
10%	1385 cd
20%	2769 cd
30%	4154 cd
40%	5538 cd
50%	6923 cd
60%	8307 cd
70%	9692 cd
80%	11077 cd

Conditions:

Number of c-planes: 2

Candela at center: 13846 cd

ISO LUX DIAGRAM



3%	4,15 lx
5%	6,92 lx
10%	13,8 lx
30%	41,5 lx
50%	69,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 138 lx

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



Total lumen output:

3426 lm

Peak candela output:

4465 cd

Light quality:

CRI: 93,8

Color temperature:

3231 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

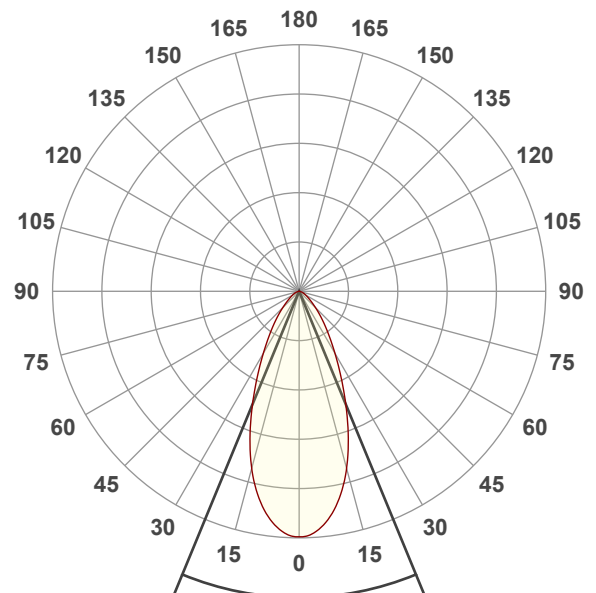
3200K

Operator:

Giacomo Matteo

Date and time:

21/02/2024 16:38:00

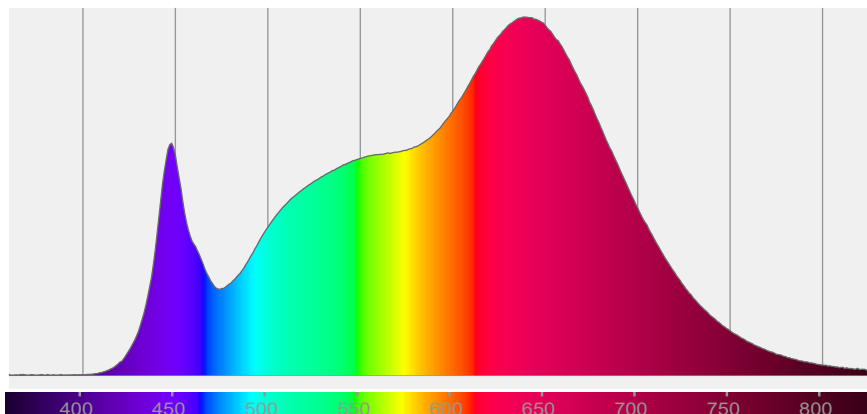


Beam angle 50%: 44,8°

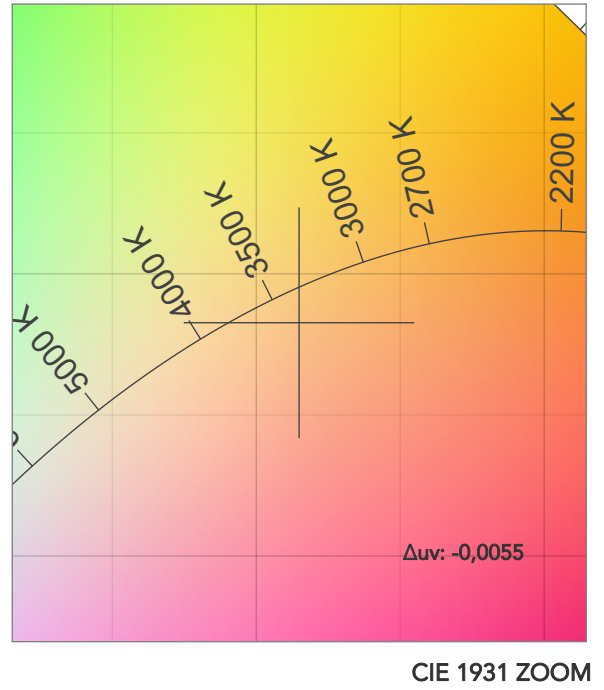
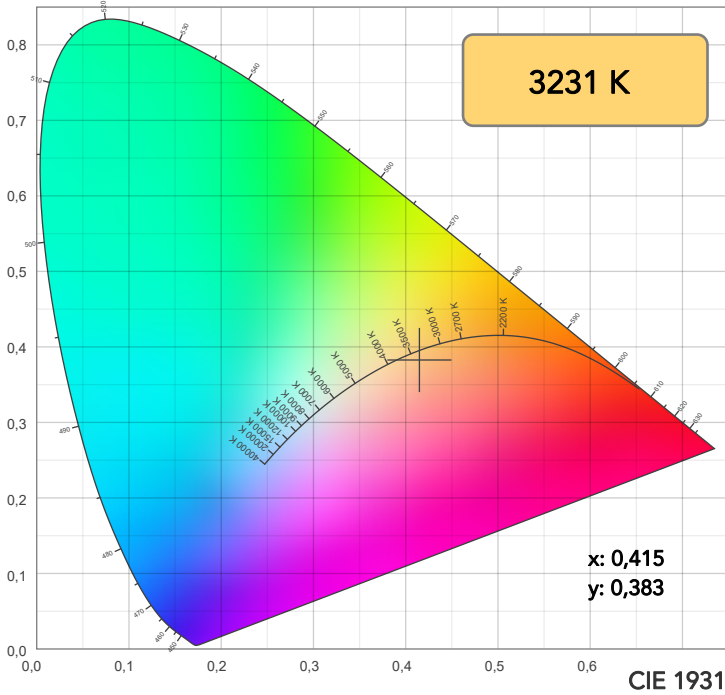
Field angle 10%: 88,7°

Cut off angle 2.5%: 126,7°

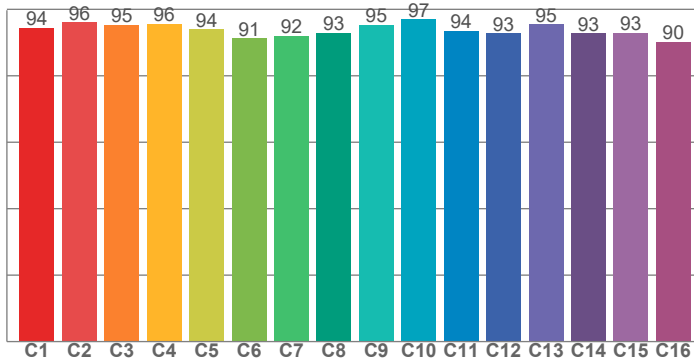
Spectra



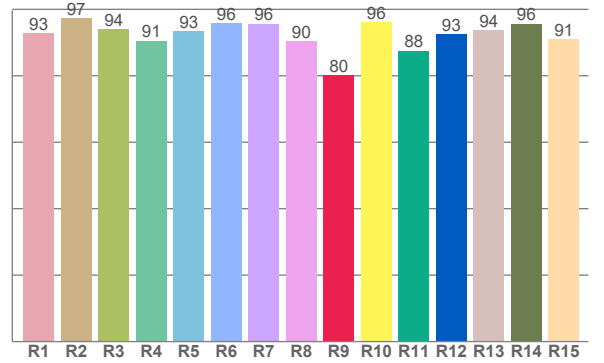
COLOR DETAILS



TM30: 94,1



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
92,9	97,3	94,0	90,6	93,4	95,9	95,7	90,4	80,1	96,2	87,5	92,6	93,7	95,6	91,1

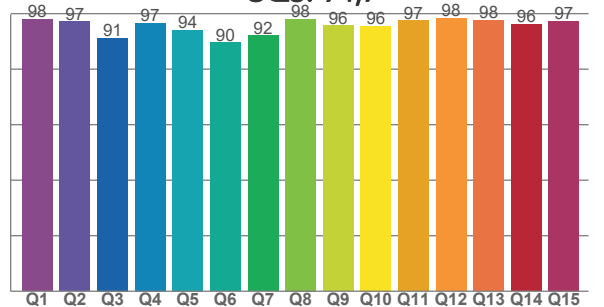
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,0	97,1	91,2	96,7	94,1	89,6	92,1	98,0	95,6	95,6	97,5	98,3	97,6	96,1	97,3

CQS: 94,7



COLOR PARAMETERS

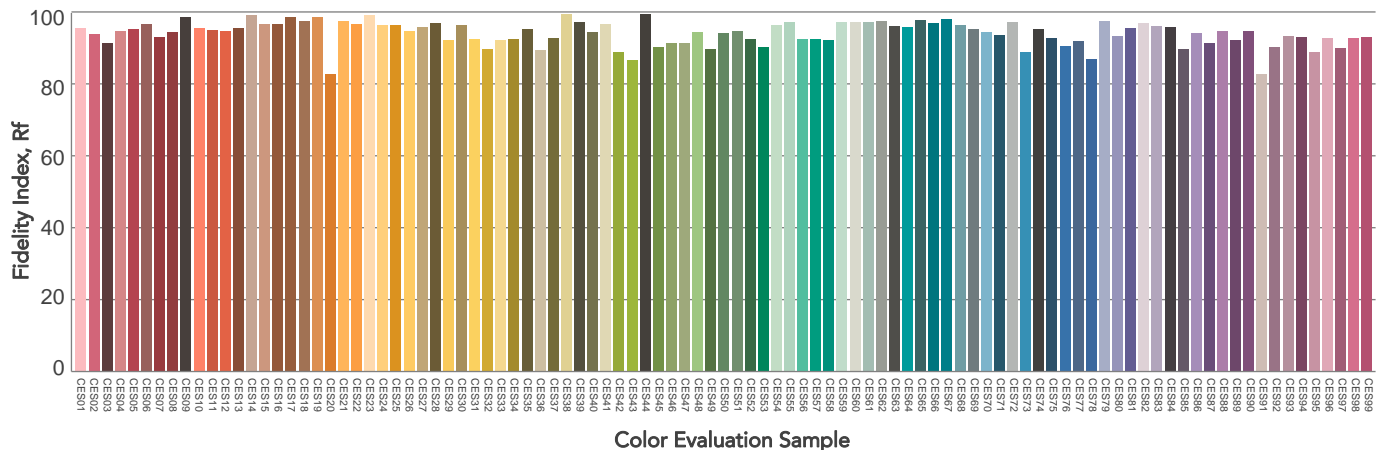
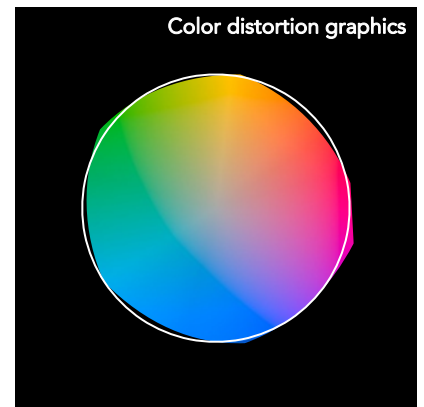
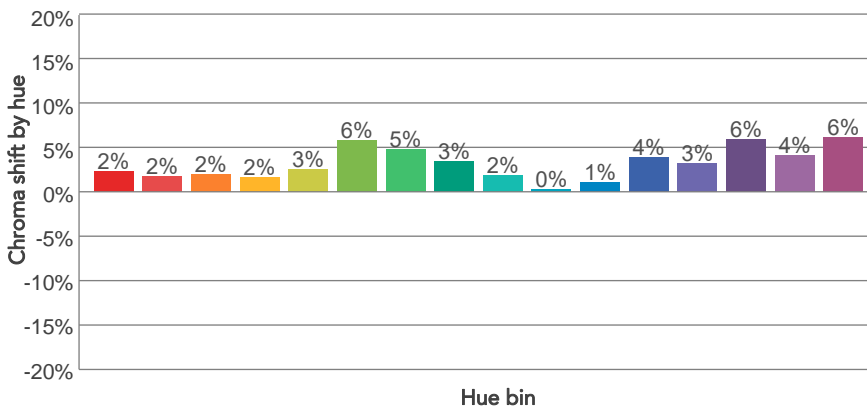
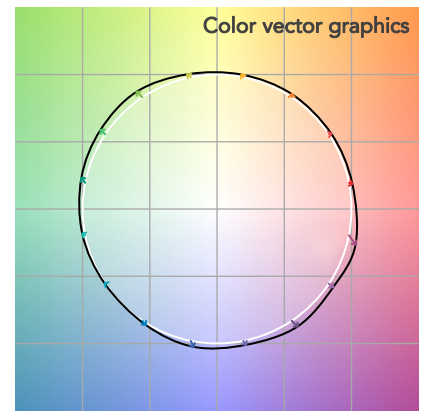
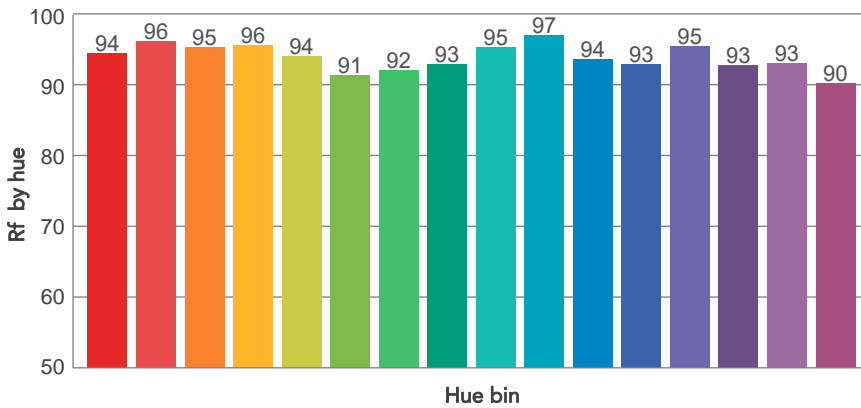
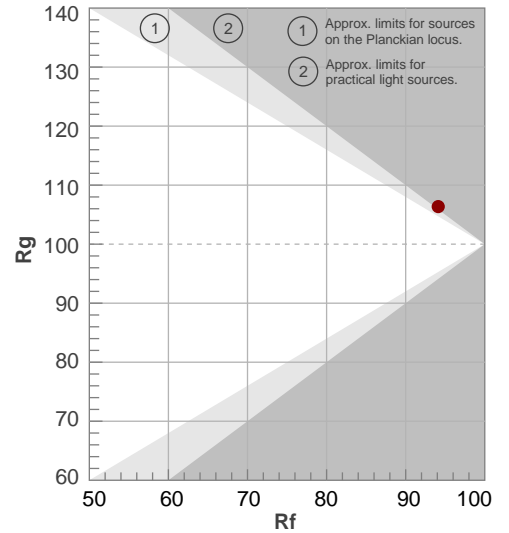
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3231 K	93,8	80,1	94,1	106,4	94,7	97	0,415	0,383	-0,0055

TM30 DETAILS

Rf 94,1
Fidelity index Rf

Rg 106,4
Gammut index

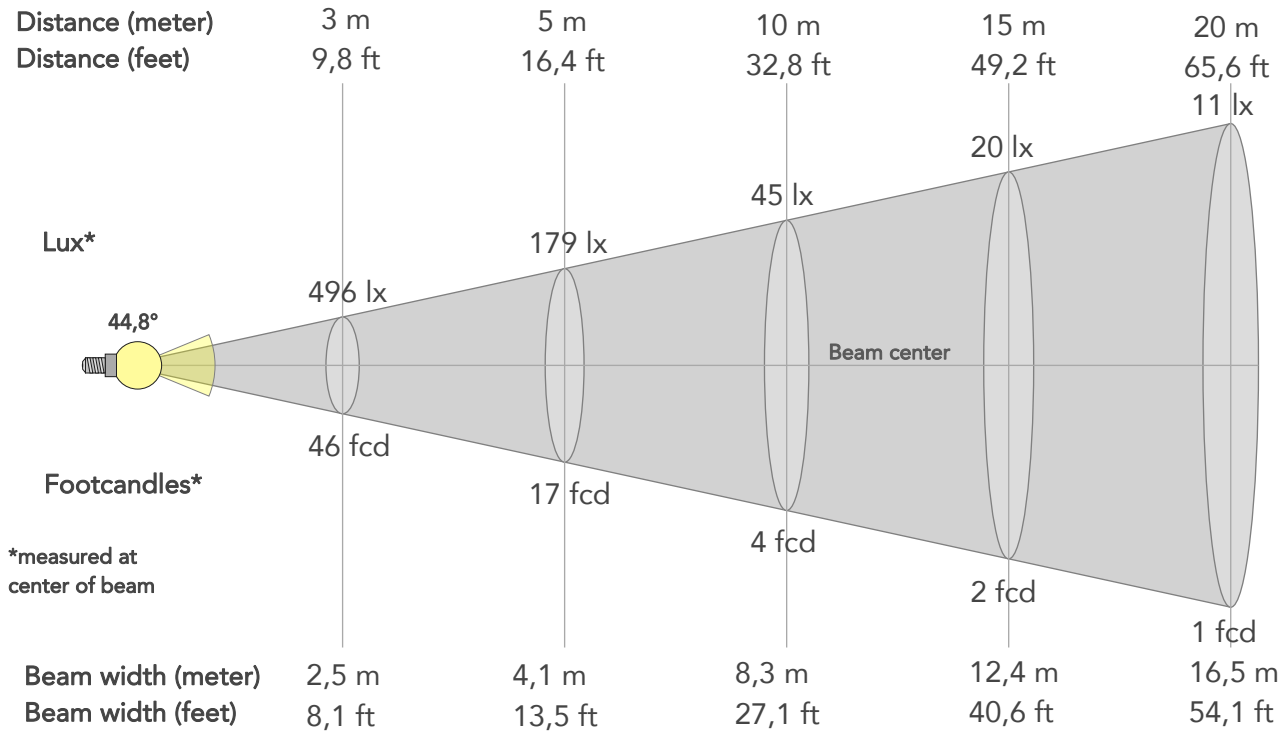
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	2%	-1%
2	96	2%	-1%
3	95	2%	1%
4	96	2%	2%
5	94	3%	2%
6	91	6%	1%
7	92	5%	-1%
8	93	3%	-3%
9	95	2%	-2%
10	97	0%	0%
11	94	1%	4%
12	93	4%	3%
13	95	3%	2%
14	93	6%	1%
15	93	4%	0%
16	90	6%	-6%



BEAM DETAILS



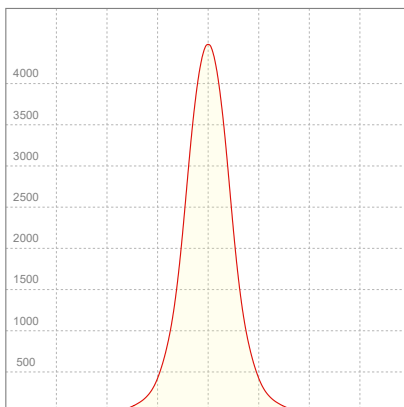
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,8°	88,7°	126,7°	95,3%	86,0%



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	4465lx	1116lx	496lx	279lx	179lx	79lx	45lx	20lx	11lx	7lx	5lx	3lx	2lx
Footcand.	415fcd	104fcd	46fcd	26fcd	17fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,1m	6,2m	8,3m	12,4m	16,5m	20,6m	24,8m	33m	41,3m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,3ft	27,1ft	40,6ft	54,1ft	67,7ft	81,2ft	108,2ft	135,3ft

LINEAR DISTRIBUTION DIAGRAM

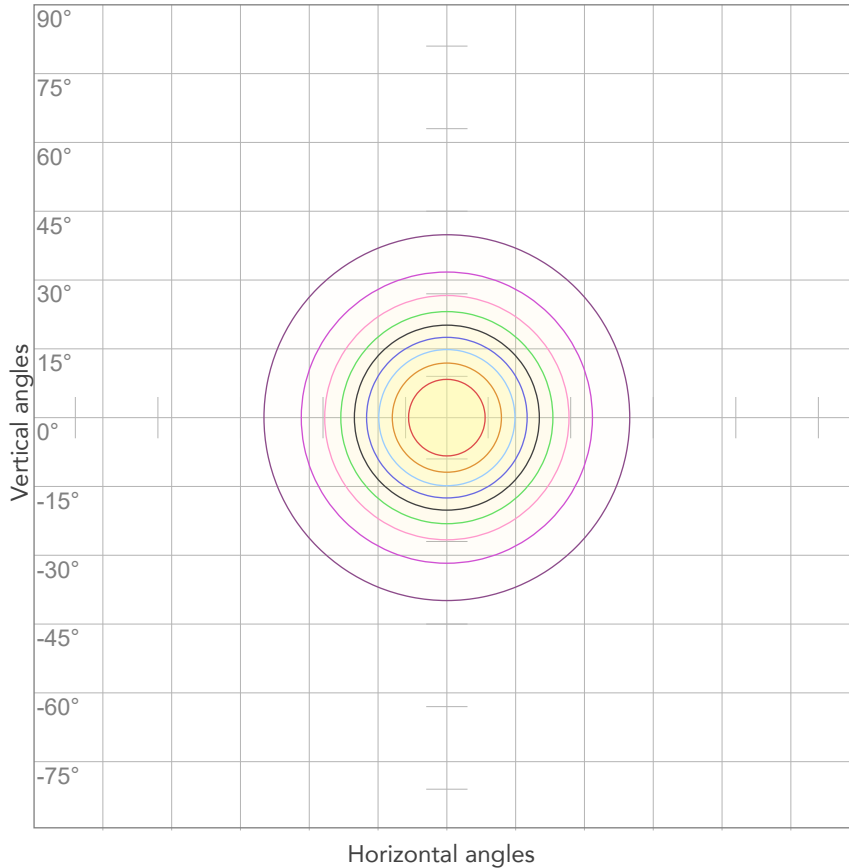


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,386A	80,5W	0,92	43lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



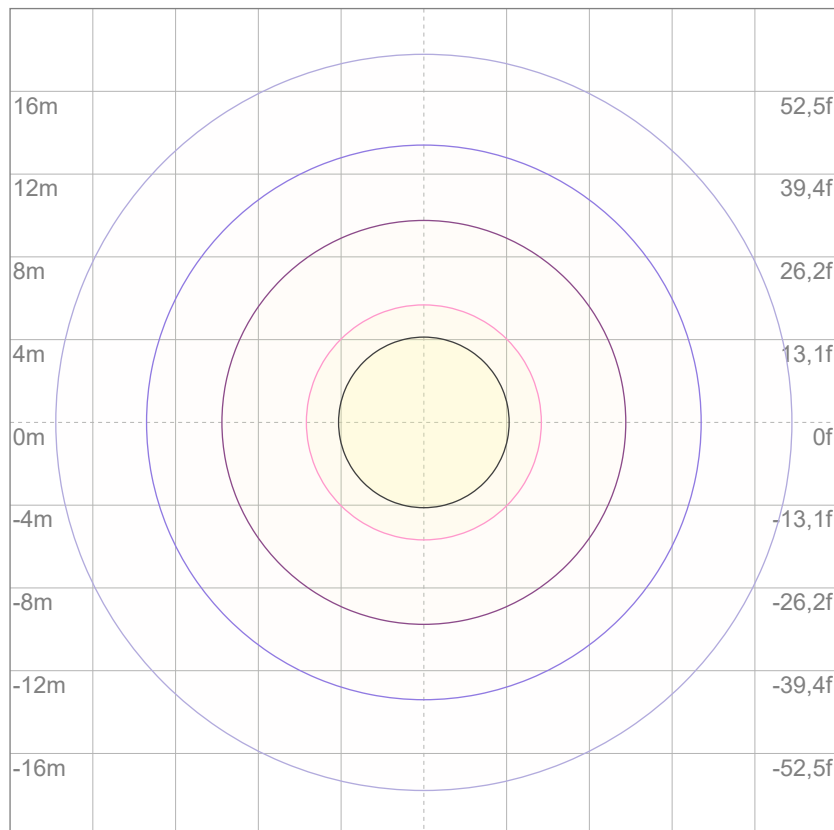
10%	447 cd
20%	893 cd
30%	1340 cd
40%	1786 cd
50%	2233 cd
60%	2679 cd
70%	3126 cd
80%	3572 cd

Conditions:

Number of c-planes: 2

Candela at center: 4465 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,34 lx
5%	2,23 lx
10%	4,47 lx
30%	13,4 lx
50%	22,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 44,7 lx

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



Total lumen output:

3434 lm

Peak candela output:

3037 cd

Light quality:

CRI: 93,8

Color temperature:

3240 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

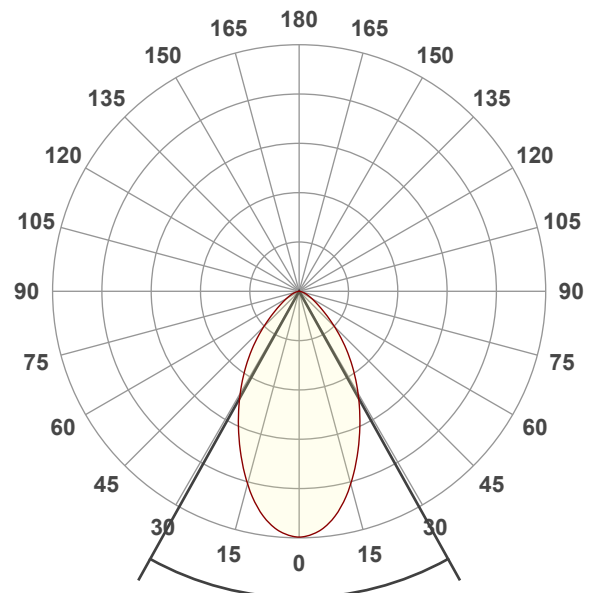
3200K

Operator:

Giacomo Matteo

Date and time:

21/02/2024 17:18:05

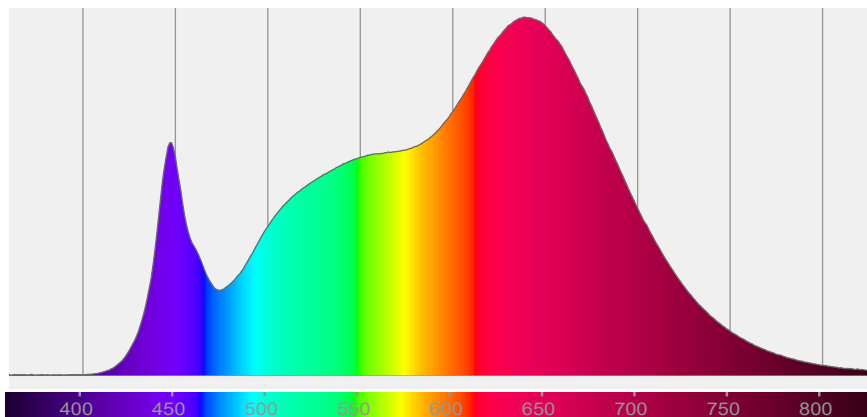


Beam angle 50%: 58,2°

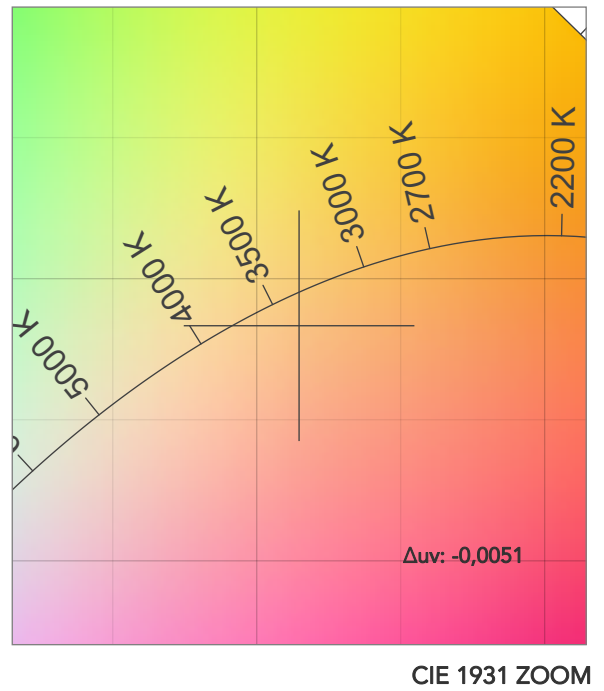
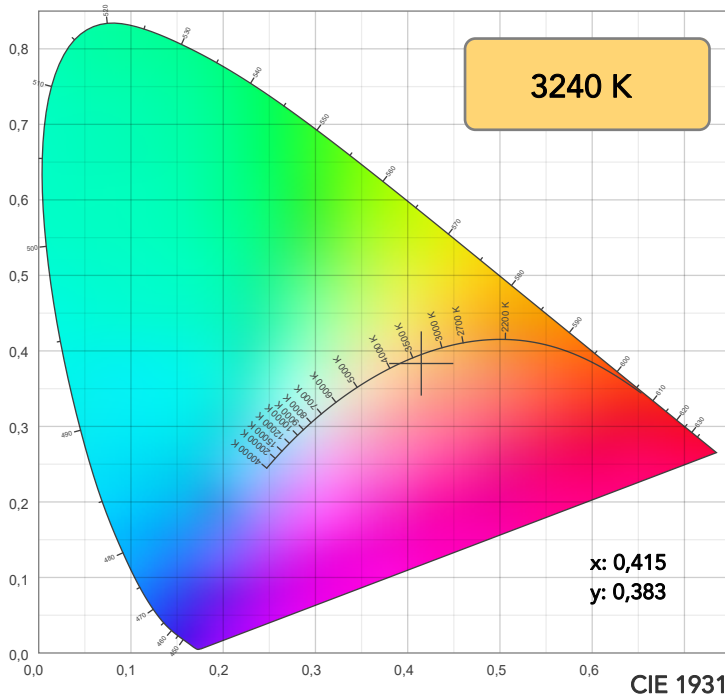
Field angle 10%: 107,3°

Cut off angle 2.5%: 141,6°

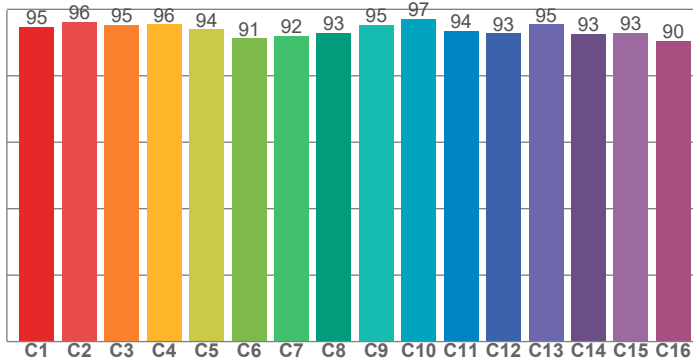
Spectra



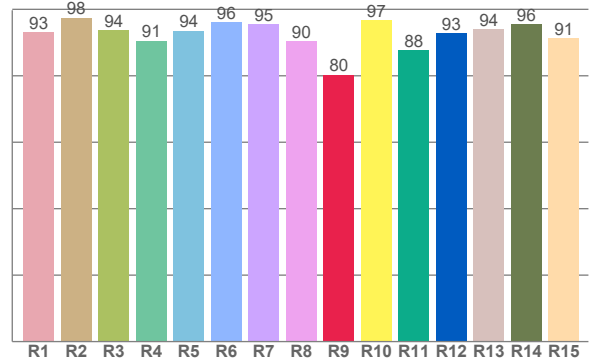
COLOR DETAILS



TM30: 94,1



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
93,1	97,5	93,8	90,6	93,6	96,2	95,5	90,4	80,3	96,7	87,6	92,8	94,0	95,5	91,3

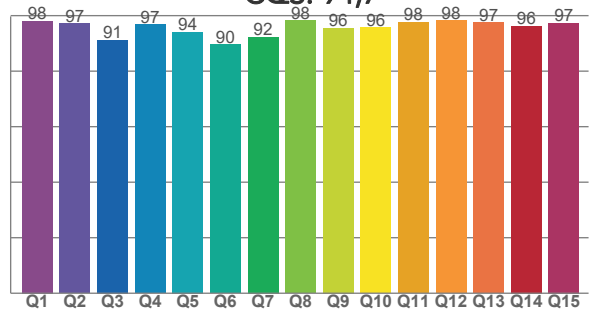
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,0	97,1	91,3	96,8	94,1	89,5	92,2	98,2	95,6	95,6	97,6	98,2	97,5	96,3	97,3

CQS: 94,7



COLOR PARAMETERS

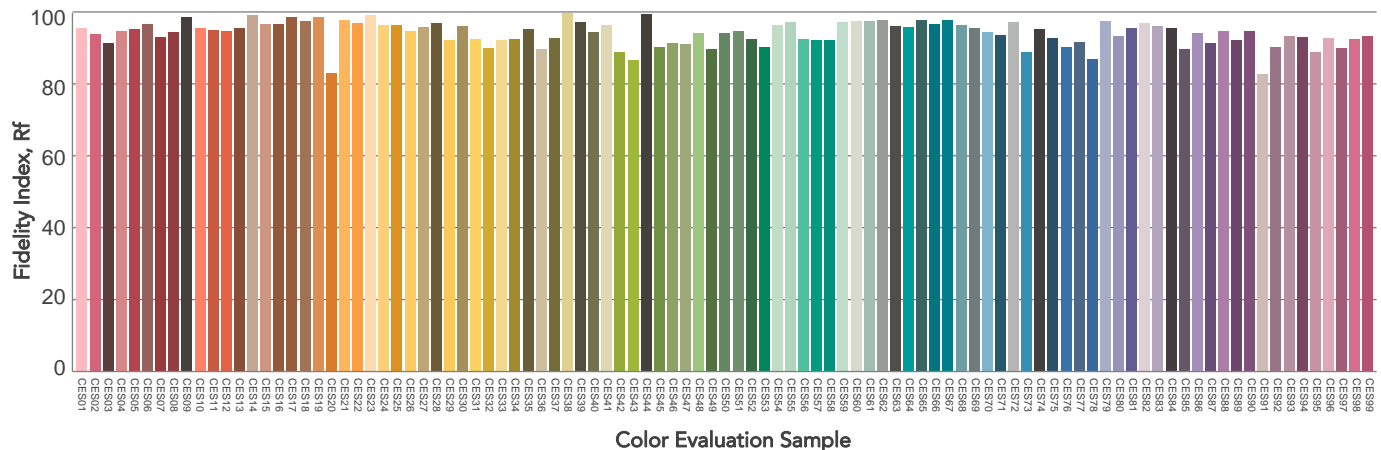
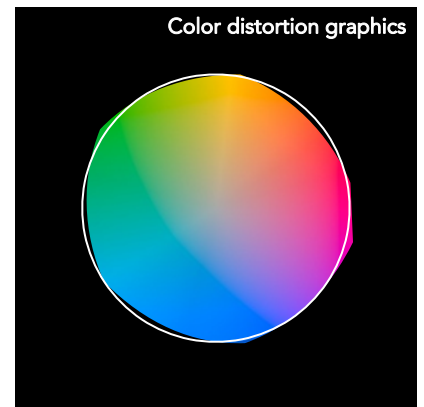
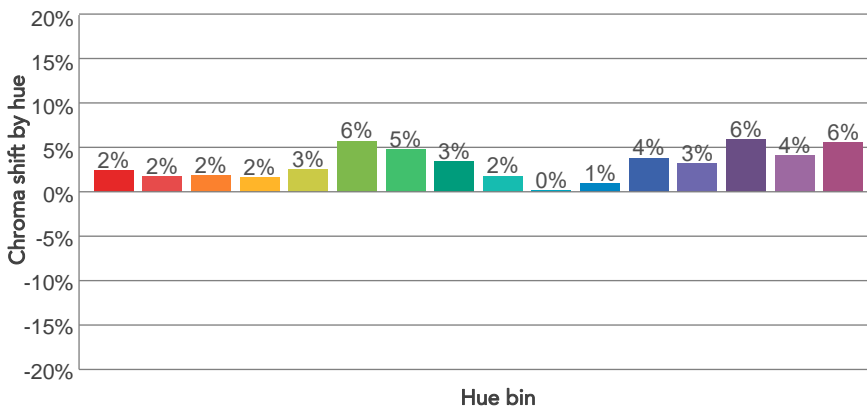
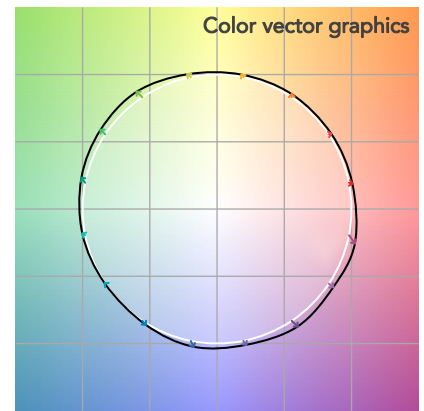
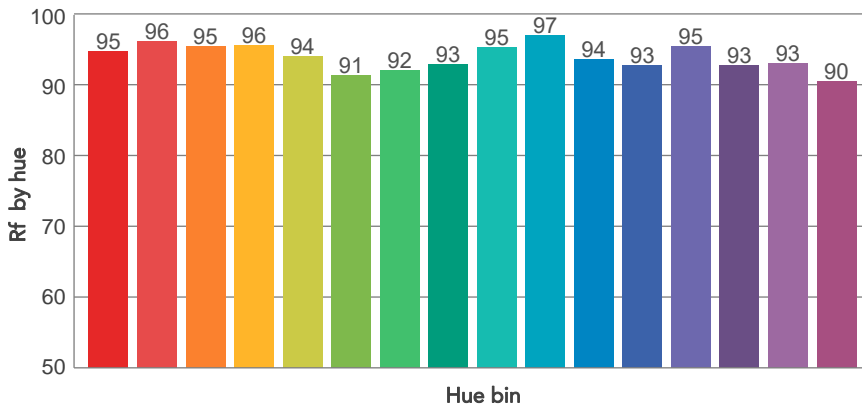
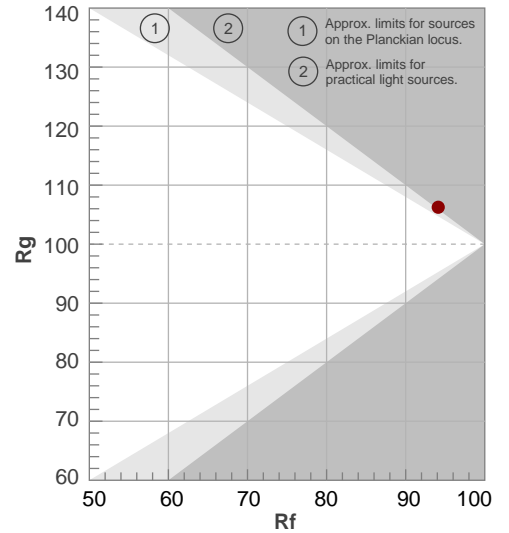
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3240 K	93,8	80,3	94,1	106,3	94,7	97	0,415	0,383	-0,0051

TM30 DETAILS

Rf 94,1
Fidelity index Rf

Rg 106,3
Gammut index

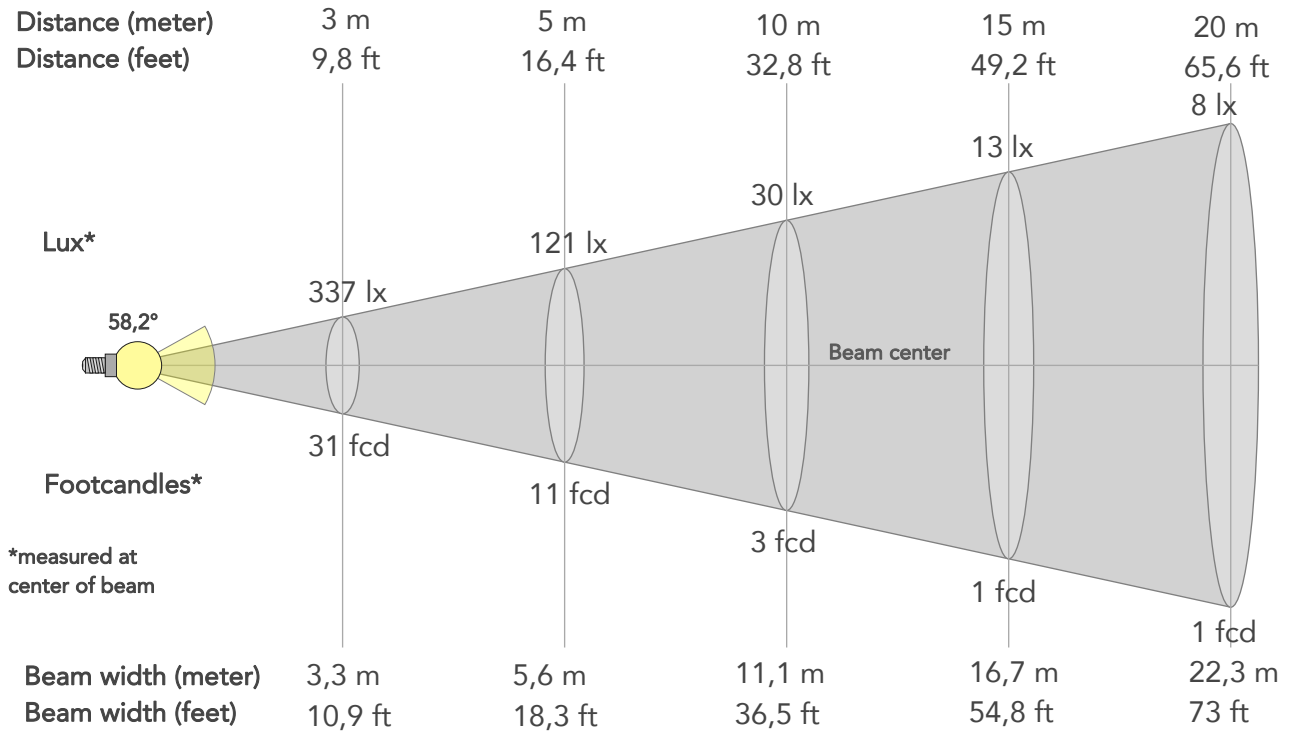
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	96	2%	-1%
3	95	2%	1%
4	96	2%	2%
5	94	3%	2%
6	91	6%	1%
7	92	5%	-1%
8	93	3%	-3%
9	95	2%	-2%
10	97	0%	0%
11	94	1%	4%
12	93	4%	3%
13	95	3%	2%
14	93	6%	1%
15	93	4%	0%
16	90	6%	-5%



BEAM DETAILS



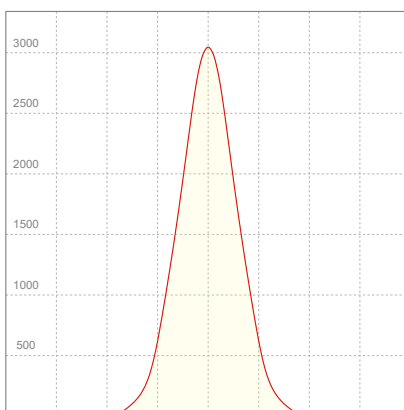
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,2°	107,3°	141,6°	94,3%	81,1%



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	3037lx	759lx	337lx	190lx	121lx	54lx	30lx	13lx	8lx	5lx	3lx	2lx	1lx
Footcand.	282fcd	71fcd	31fcd	18fcd	11fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,5m	5,6m	8,3m	11,1m	16,7m	22,3m	27,8m	33,4m	44,5m	55,6m
Beam wid.	3,7ft	7,3ft	10,9ft	14,6ft	18,3ft	27,4ft	36,5ft	54,8ft	73ft	91,3ft	109,5ft	146ft	182,5ft

LINEAR DISTRIBUTION DIAGRAM

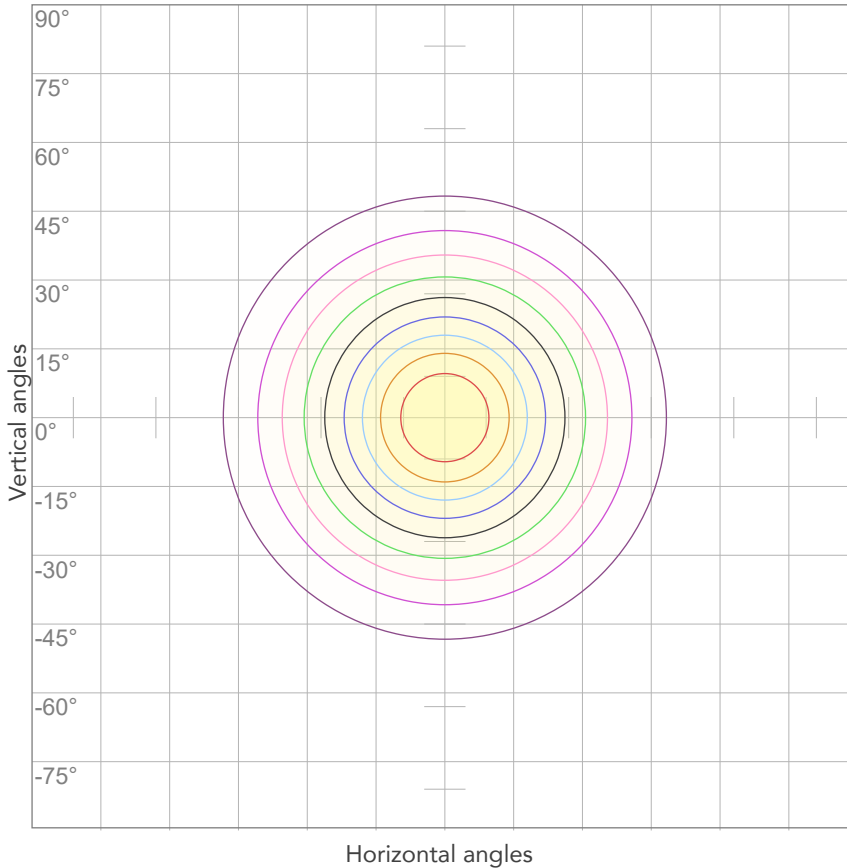


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,386A	80,6W	0,92	43lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



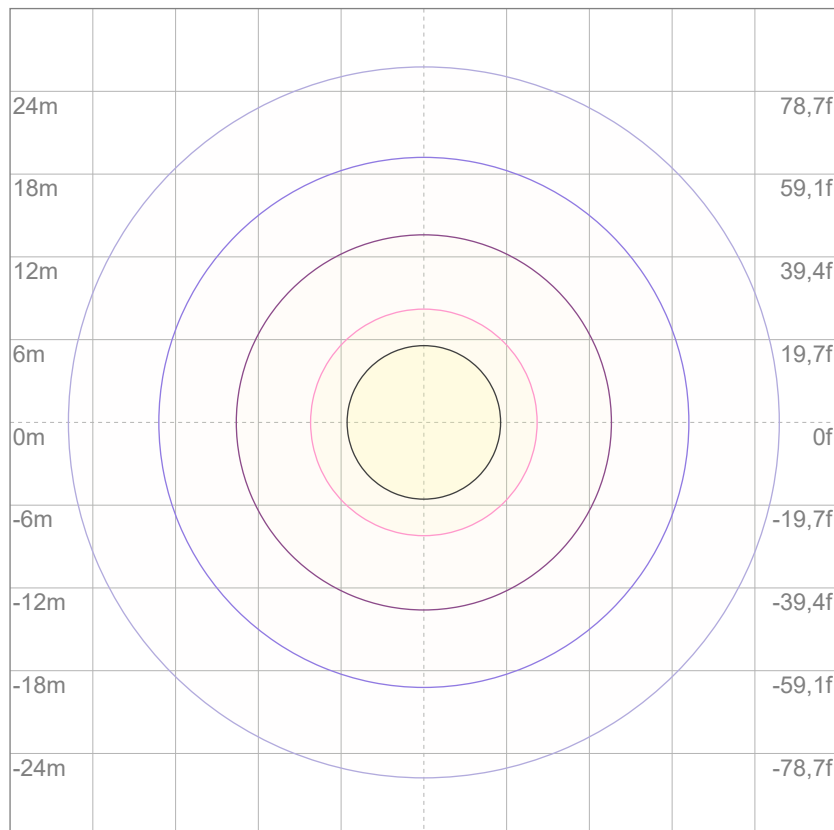
10%	304 cd
20%	607 cd
30%	911 cd
40%	1215 cd
50%	1519 cd
60%	1822 cd
70%	2126 cd
80%	2430 cd

Conditions:

Number of c-planes: 2

Candela at center: 3037 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,911 lx
5%	1,52 lx
10%	3,04 lx
30%	9,11 lx
50%	15,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 30,4 lx

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



Total lumen output:

5190 lm

Peak candela output:

10500 cd

Light quality:

CRI: 93,9

Color temperature:

3218 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x60° Filter

Target:

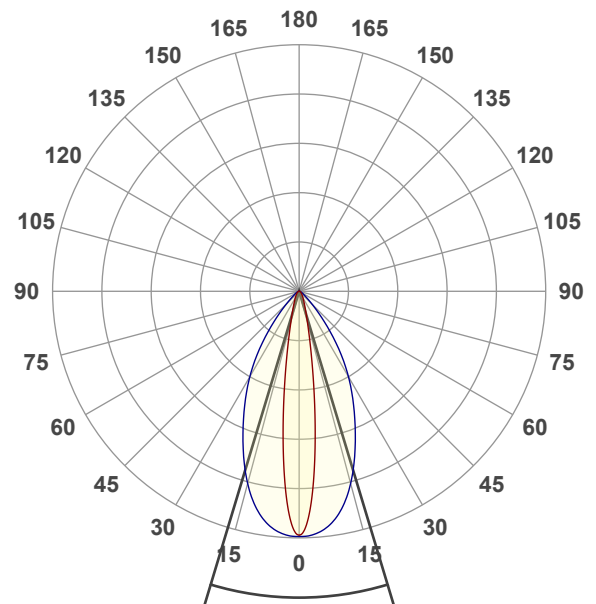
3200K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 11:02:40

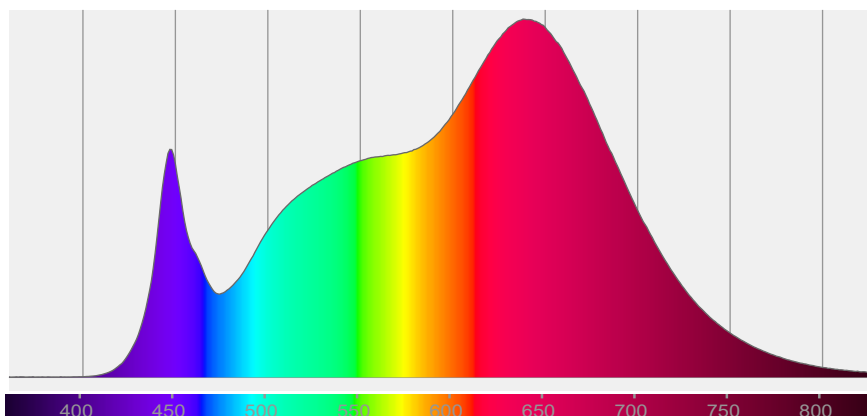


Beam angle 50%: 33,6°

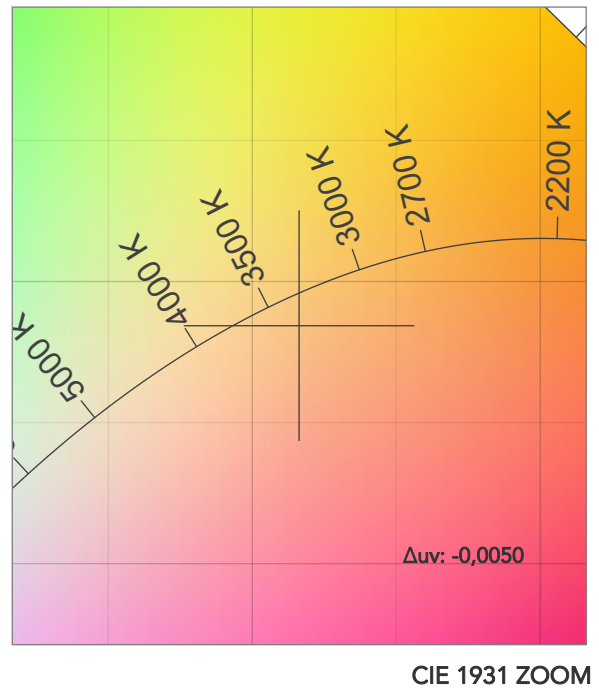
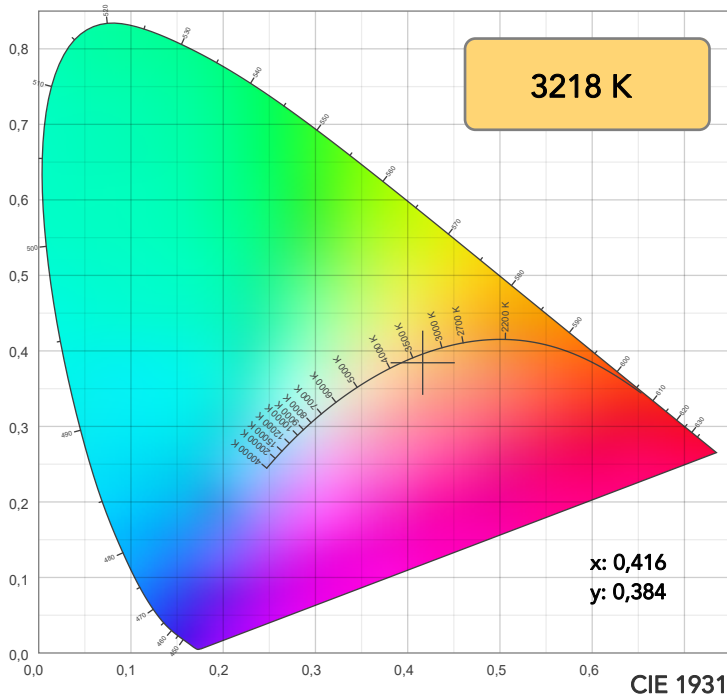
Field angle 10%: 60,1°

Cut off angle 2.5%: 87,9°

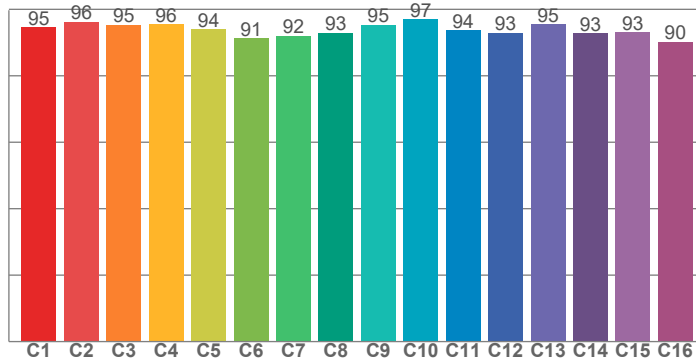
Spectra



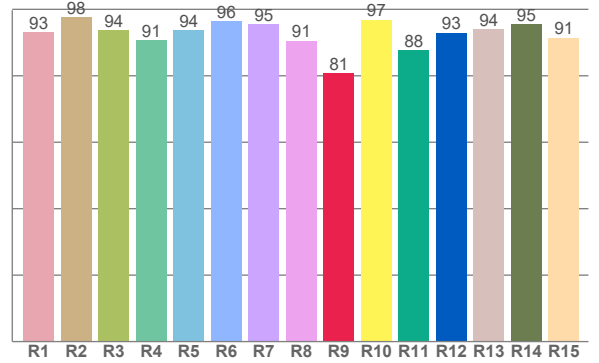
COLOR DETAILS



TM30: 94,1



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
93,2	97,6	93,7	90,6	93,7	96,3	95,5	90,5	80,7	96,8	87,7	92,9	94,1	95,5	91,5

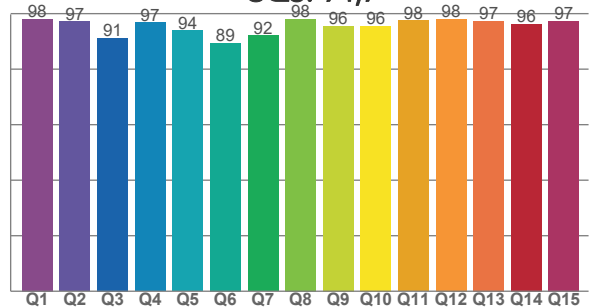
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,0	97,1	91,3	96,8	94,0	89,4	92,1	98,1	95,6	95,6	97,6	98,1	97,4	96,3	97,3

CQS: 94,7



COLOR PARAMETERS

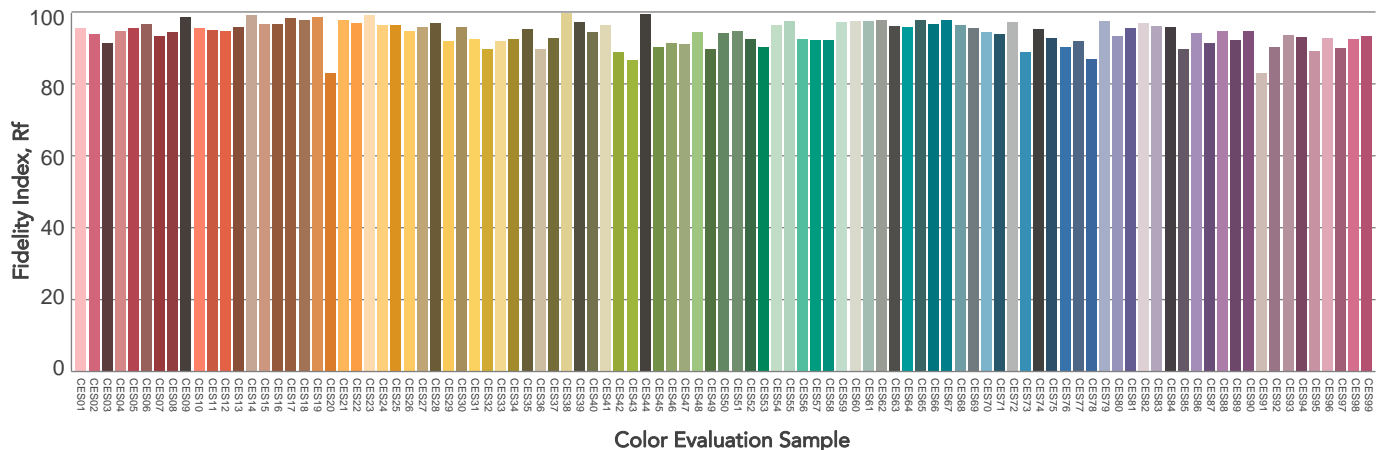
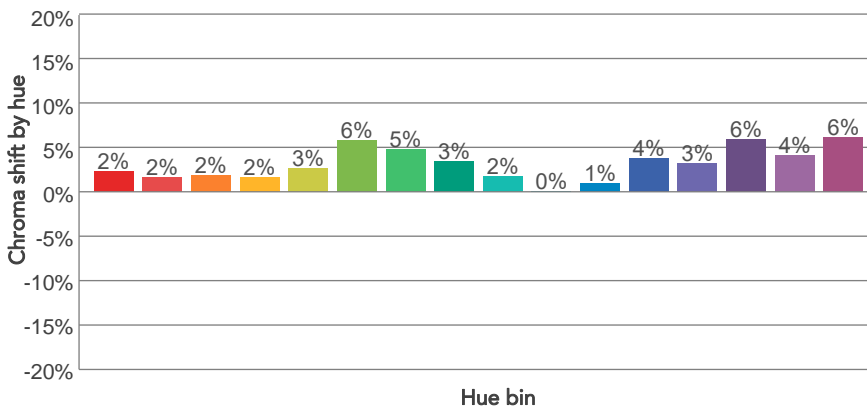
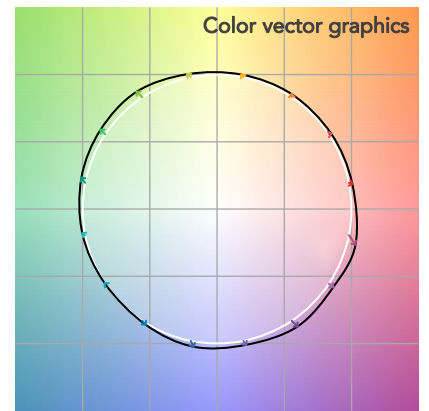
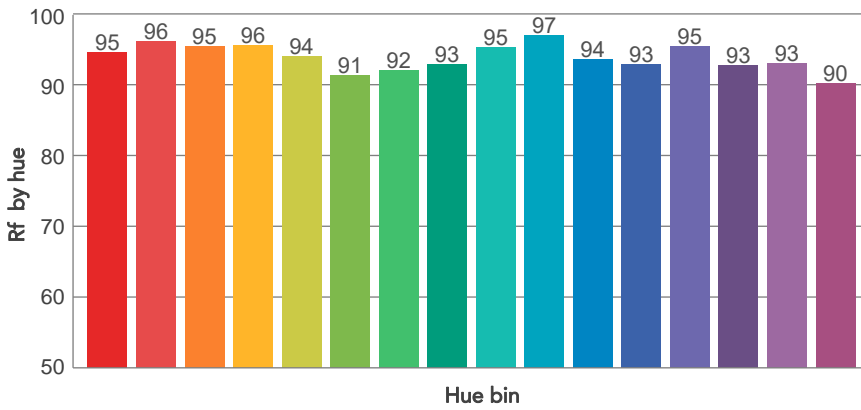
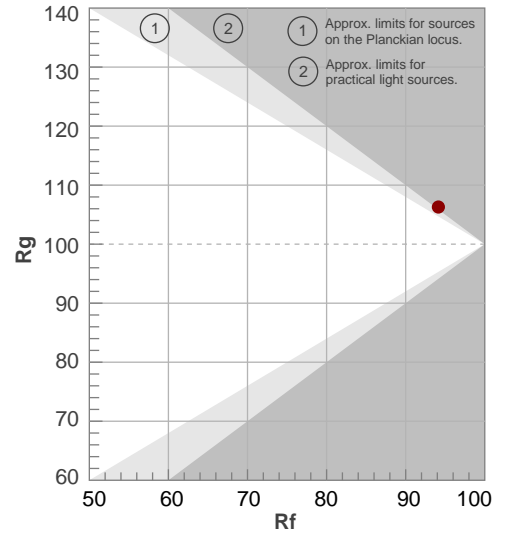
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3218 K	93,9	80,7	94,1	106,3	94,7	97	0,416	0,384	-0,0050

TM30 DETAILS

Rf 94,1
Fidelity index Rf

Rg 106,3
Gammut index

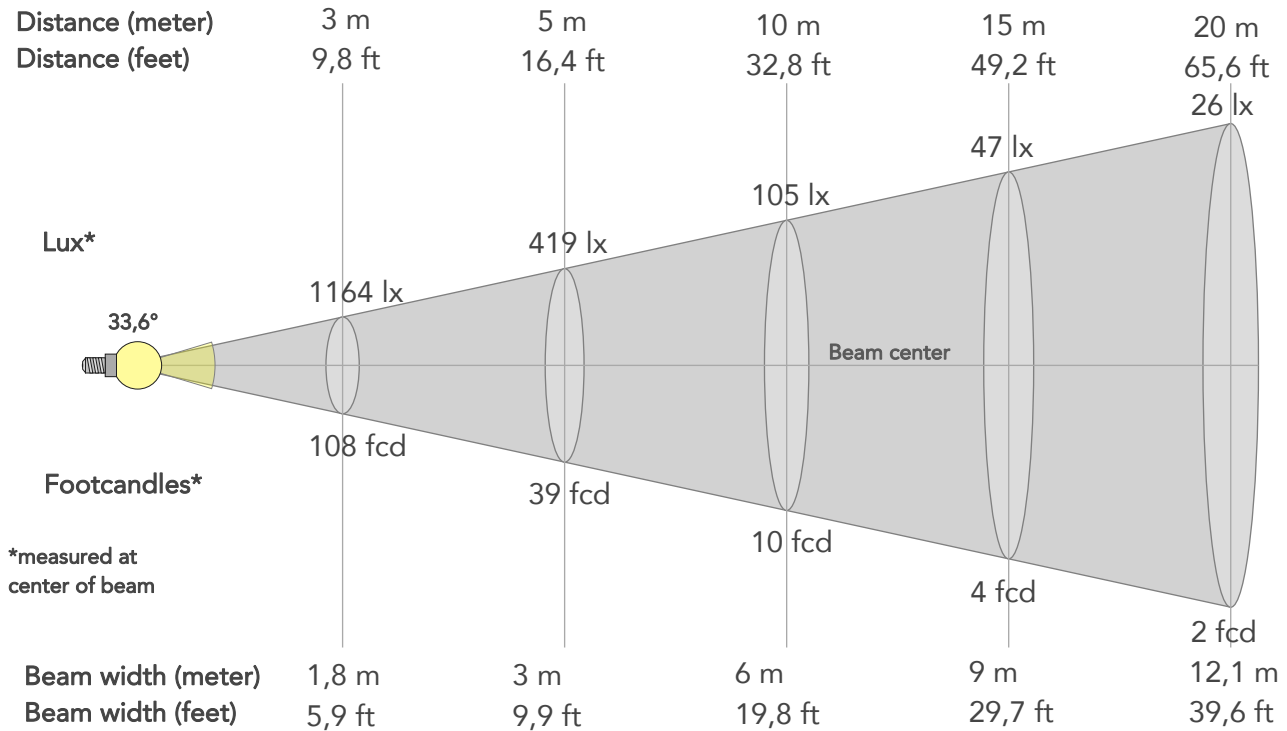
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	96	2%	-1%
3	95	2%	1%
4	96	2%	2%
5	94	3%	2%
6	91	6%	1%
7	92	5%	-1%
8	93	3%	-3%
9	95	2%	-2%
10	97	0%	-1%
11	94	1%	4%
12	93	4%	3%
13	95	3%	2%
14	93	6%	1%
15	93	4%	0%
16	90	6%	-6%



BEAM DETAILS



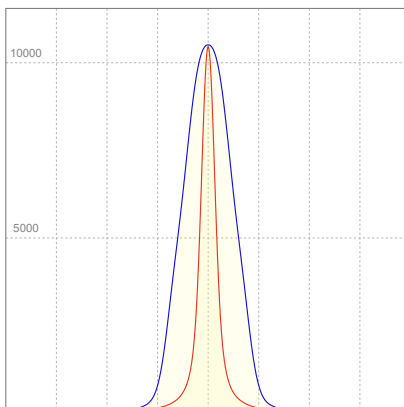
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,6°	60,1°	87,9°	97,1%	91,4%



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	10472lx	2618lx	1164lx	655lx	419lx	186lx	105lx	47lx	26lx	17lx	12lx	7lx	4lx
Footcand.	973fcd	243fcd	108fcd	61fcd	39fcd	17fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12,1m	15,1m	18,1m	24,1m	30,2m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,8ft	19,8ft	29,7ft	39,6ft	49,5ft	59,3ft	79,1ft	98,9ft

LINEAR DISTRIBUTION DIAGRAM

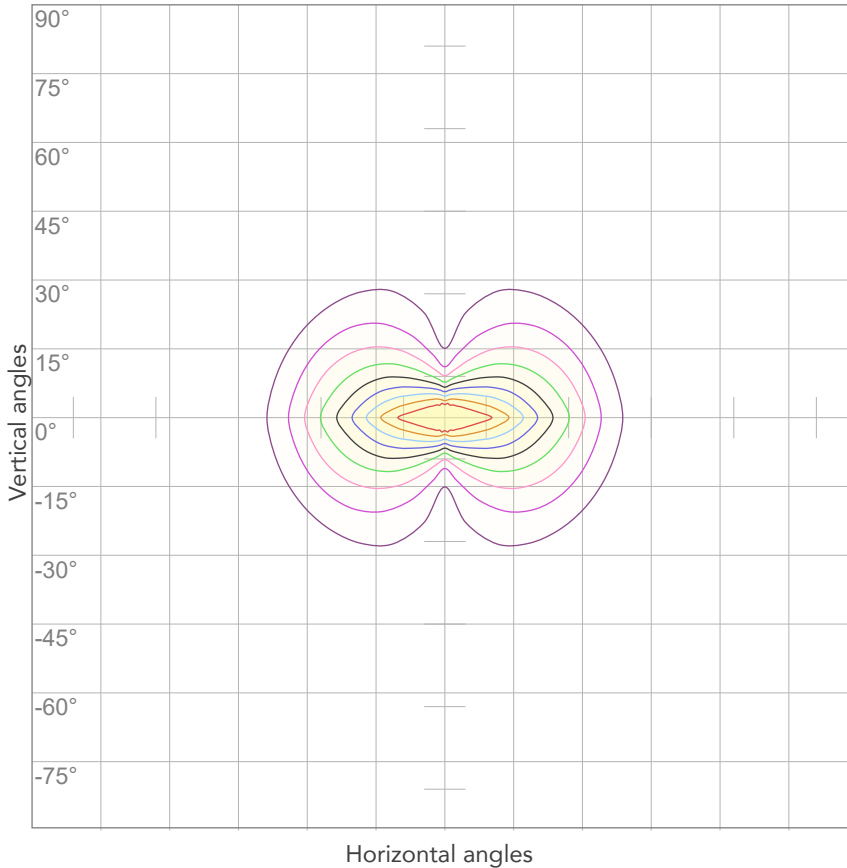


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,389A	80,8W	0,92	64lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



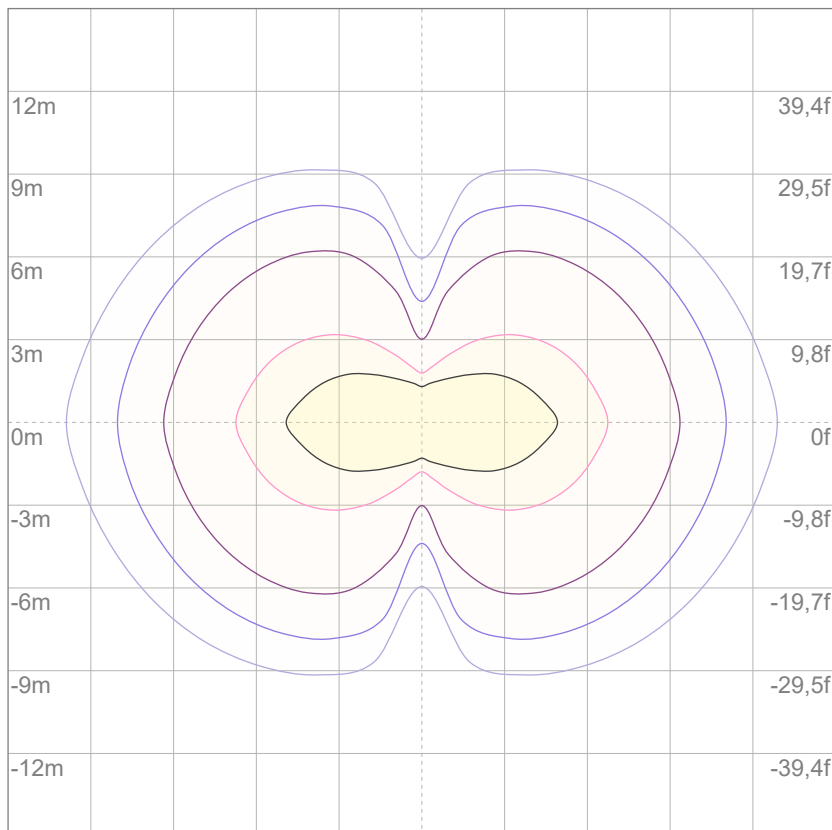
10%	1047 cd
20%	2094 cd
30%	3142 cd
40%	4189 cd
50%	5236 cd
60%	6283 cd
70%	7330 cd
80%	8378 cd

Conditions:

Number of c-planes: 4

Candela at center: 10472 cd

ISO LUX DIAGRAM



3%	3,14 lx
5%	5,24 lx
10%	10,5 lx
30%	31,4 lx
50%	52,4 lx

Conditions:

Number of c-planes: 4

Lux at center: 105 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:

3924 lm

Peak candela output:

5412 cd

Light quality:

CRI: 93,9

Color temperature:

3232 K

PRODUCT NAME:

ARCSPOTM VW

MEASUREMENT CONDITIONS:

Beam angle:

10° + 30°x60° Filter

Target:

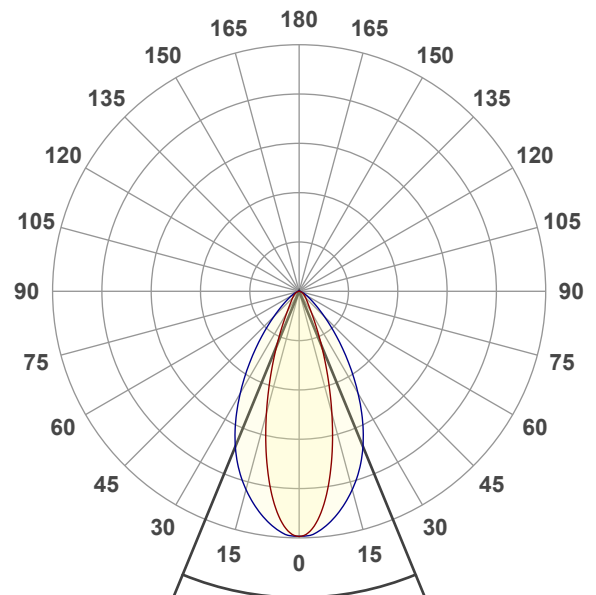
3200K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 11:29:01

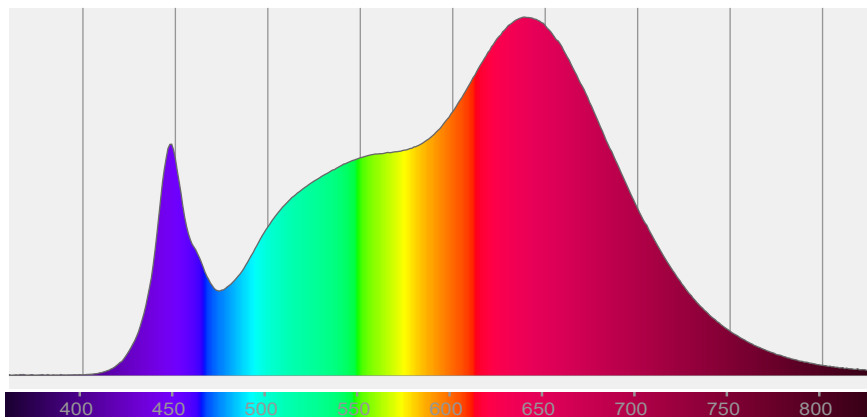


Beam angle 50%: 44,7°

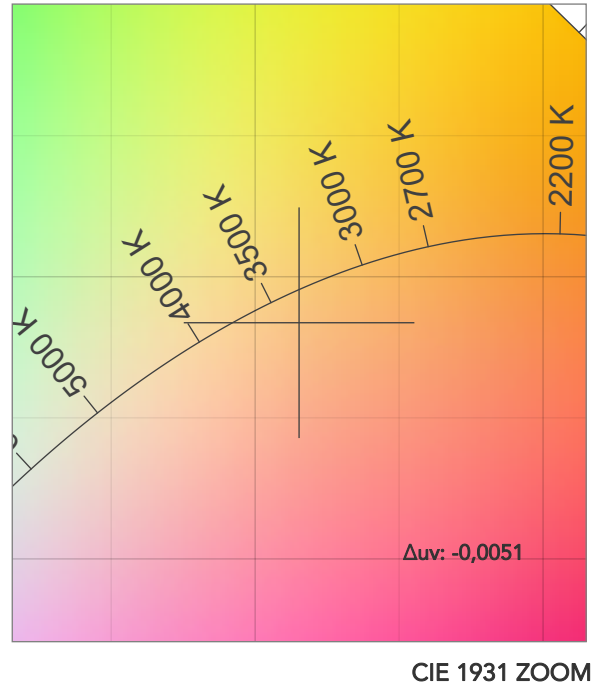
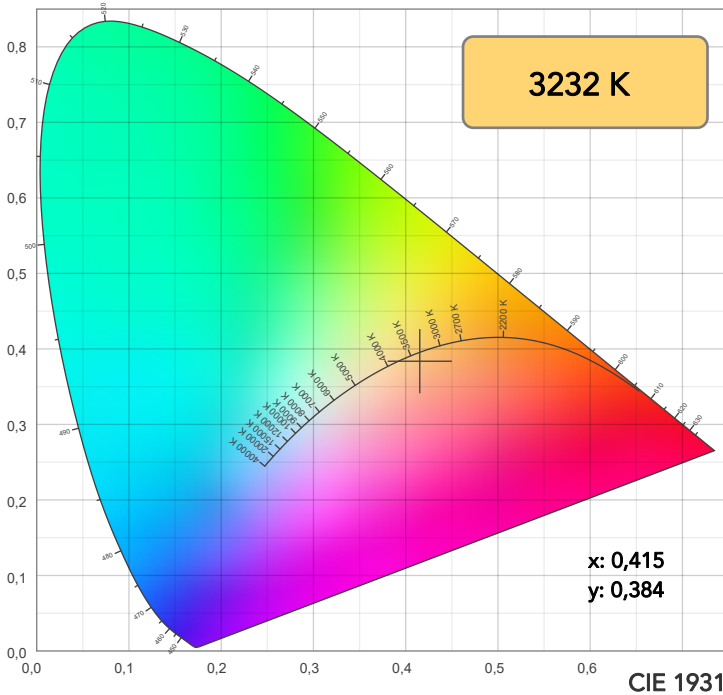
Field angle 10%: 78,9°

Cut off angle 2.5%: 118,6°

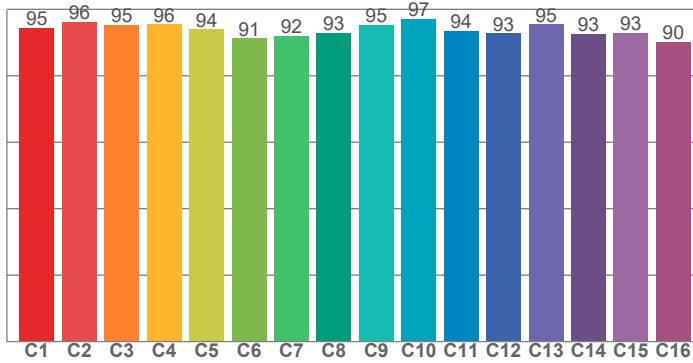
Spectra



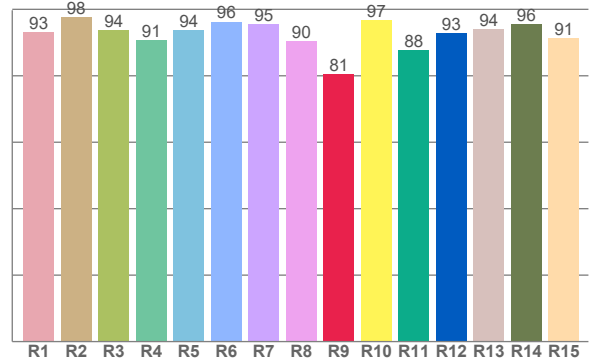
COLOR DETAILS



TM30: 94,1



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
93,1	97,6	93,8	90,6	93,7	96,3	95,5	90,5	80,5	96,7	87,7	92,8	94,0	95,5	91,4

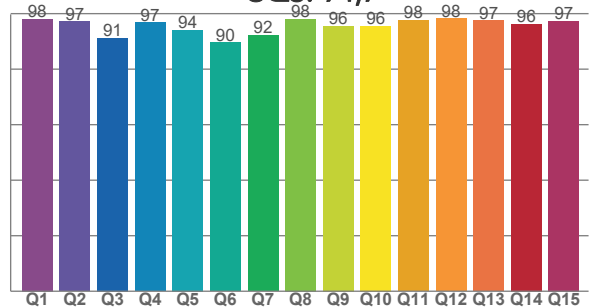
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,0	97,1	91,3	96,8	94,0	89,5	92,2	98,1	95,6	95,6	97,6	98,2	97,4	96,3	97,3

CQS: 94,7



COLOR PARAMETERS

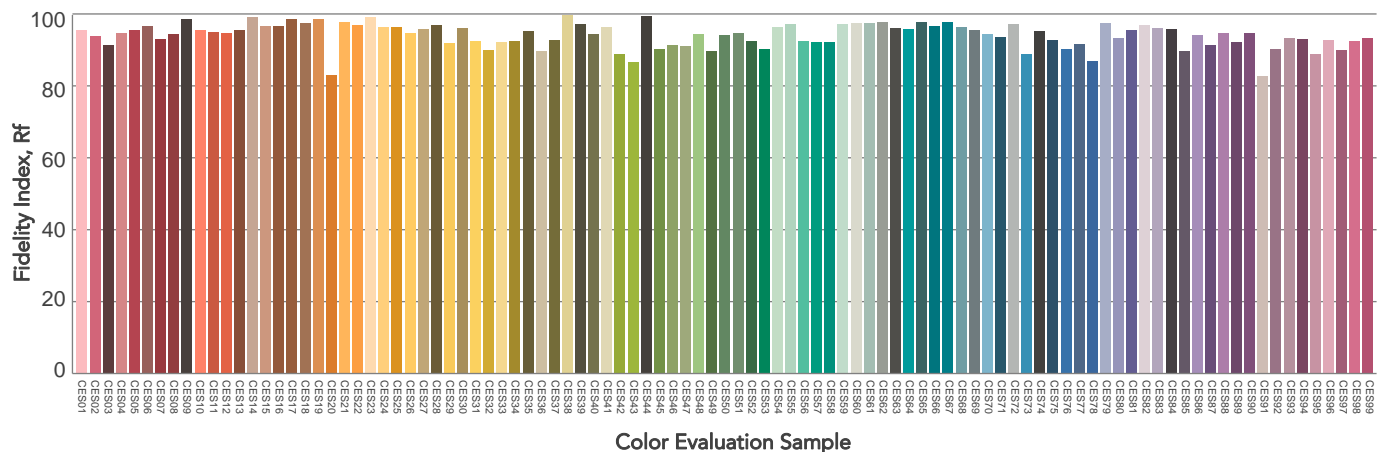
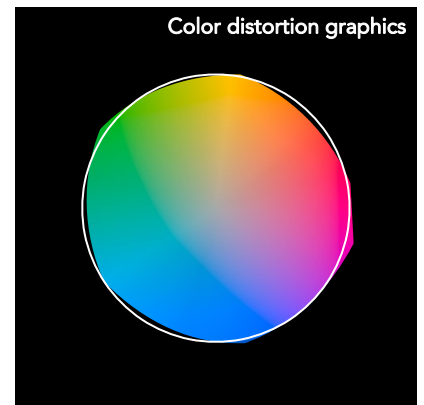
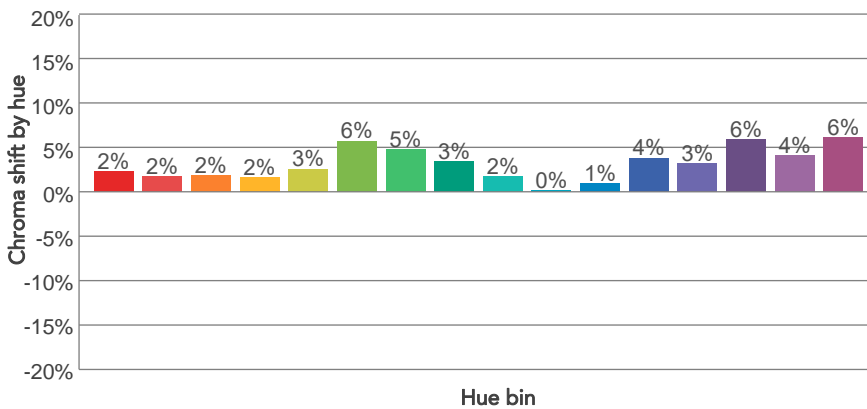
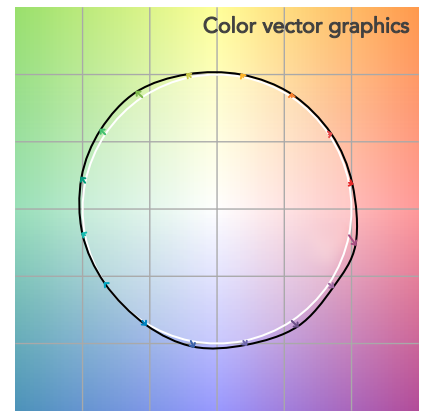
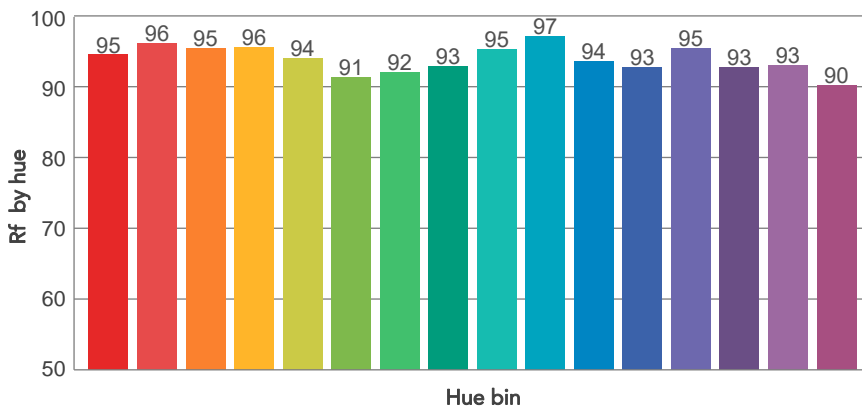
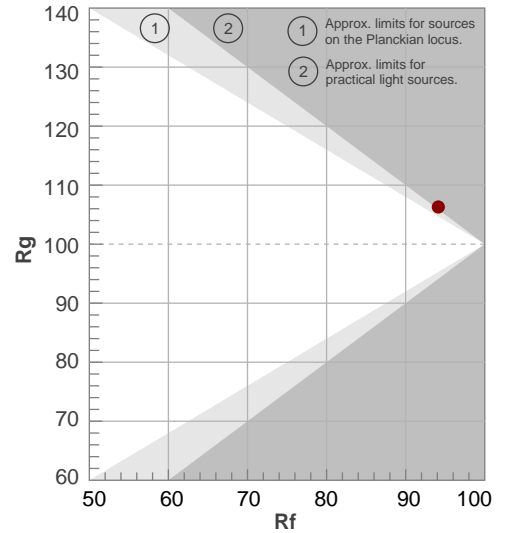
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3232 K	93,9	80,5	94,1	106,3	94,7	97	0,415	0,384	-0,0051

TM30 DETAILS

Rf 94,1
Fidelity index Rf

Rg 106,3
Gammut index

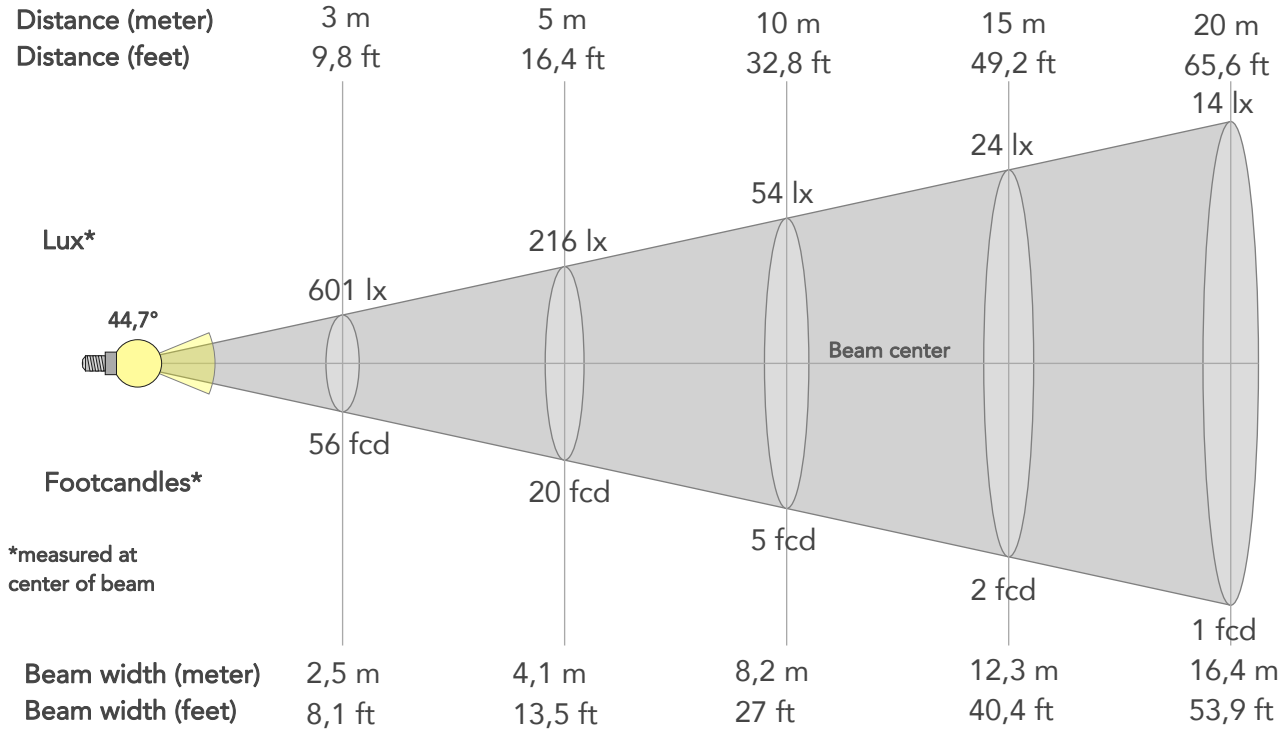
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	96	2%	-1%
3	95	2%	1%
4	96	2%	2%
5	94	3%	2%
6	91	6%	1%
7	92	5%	-1%
8	93	3%	-3%
9	95	2%	-2%
10	97	0%	0%
11	94	1%	4%
12	93	4%	3%
13	95	3%	2%
14	93	6%	1%
15	93	4%	0%
16	90	6%	-6%



BEAM DETAILS



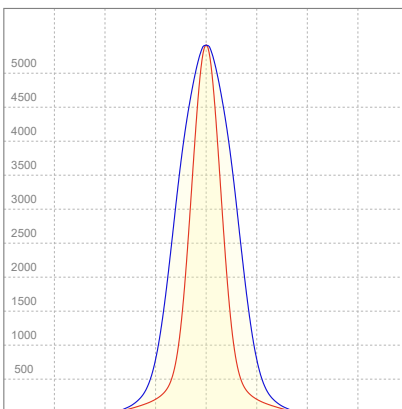
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,7°	78,9°	118,6°	95,8%	86,6%



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	5406lx	1352lx	601lx	338lx	216lx	96lx	54lx	24lx	14lx	9lx	6lx	3lx	2lx
Footcand.	502fcd	126fcd	56fcd	31fcd	20fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,3m	16,4m	20,6m	24,7m	32,9m	41,1m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,2ft	27ft	40,4ft	53,9ft	67,4ft	80,9ft	107,9ft	134,8ft

LINEAR DISTRIBUTION DIAGRAM

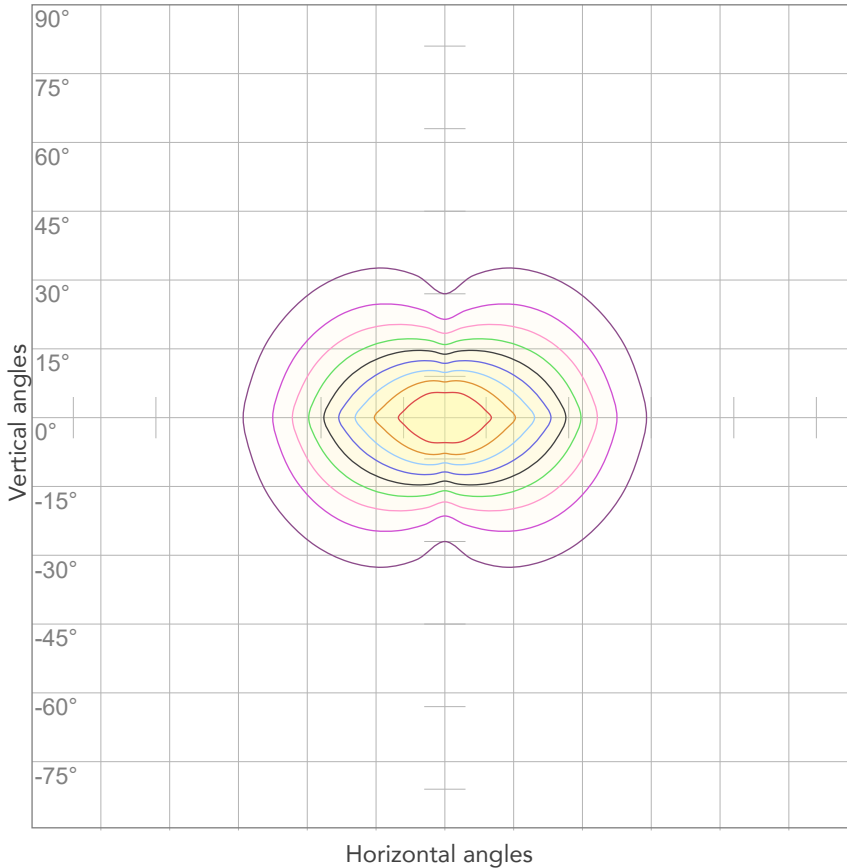


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,389A	80,7W	0,92	49lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



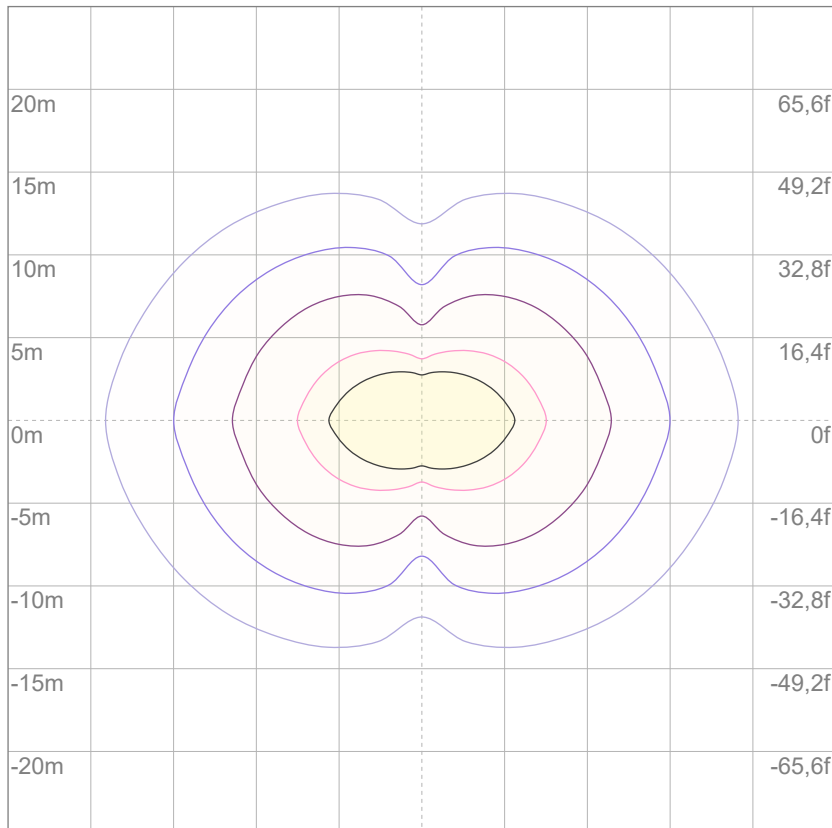
10%	541 cd
20%	1081 cd
30%	1622 cd
40%	2162 cd
50%	2703 cd
60%	3244 cd
70%	3784 cd
80%	4325 cd

Conditions:

Number of c-planes: 4

Candela at center: 5406 cd

ISO LUX DIAGRAM



3%	1,62 lx
5%	2,70 lx
10%	5,41 lx
30%	16,2 lx
50%	27,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 54,1 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:

4173 lm

Peak candela output:

78176 cd

Light quality:

CRI: 93,5

Color temperature:

4053 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

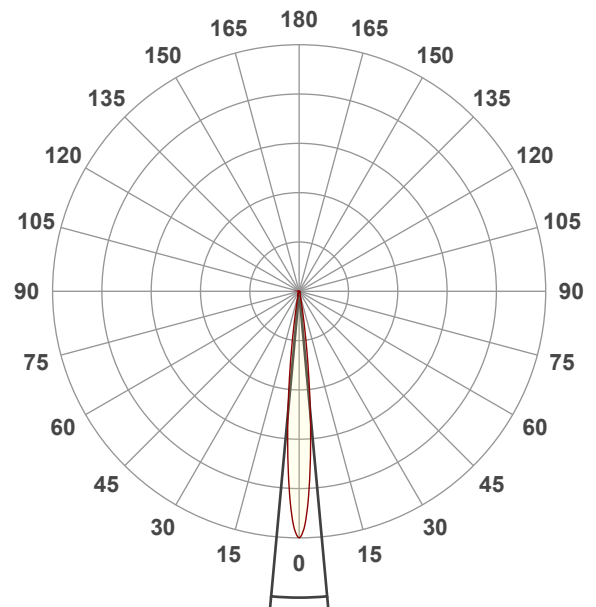
4000K

Operator:

Giacomo Matteo

Date and time:

21/02/2024 15:40:03

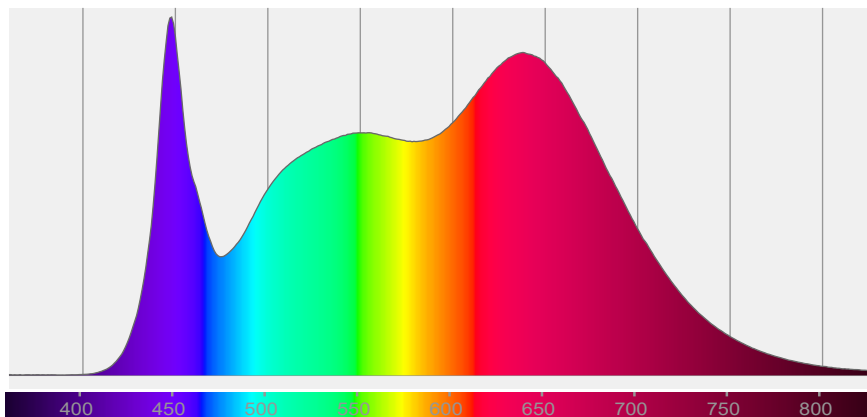


Beam angle 50%: 10,5°

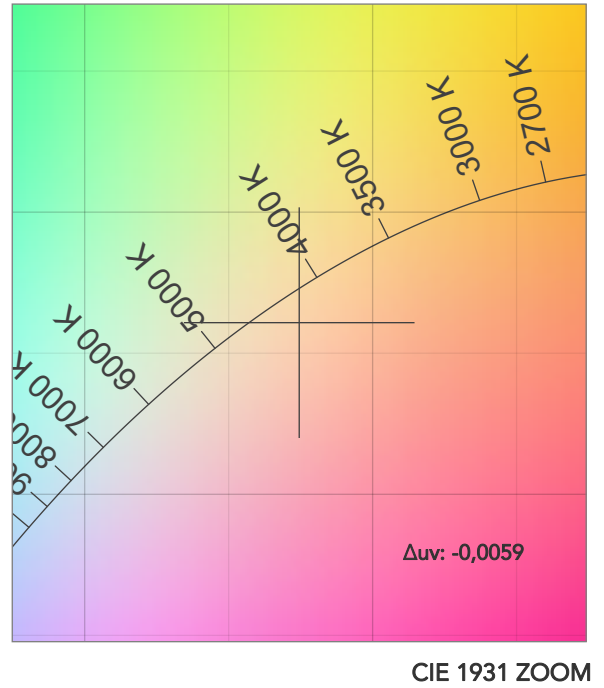
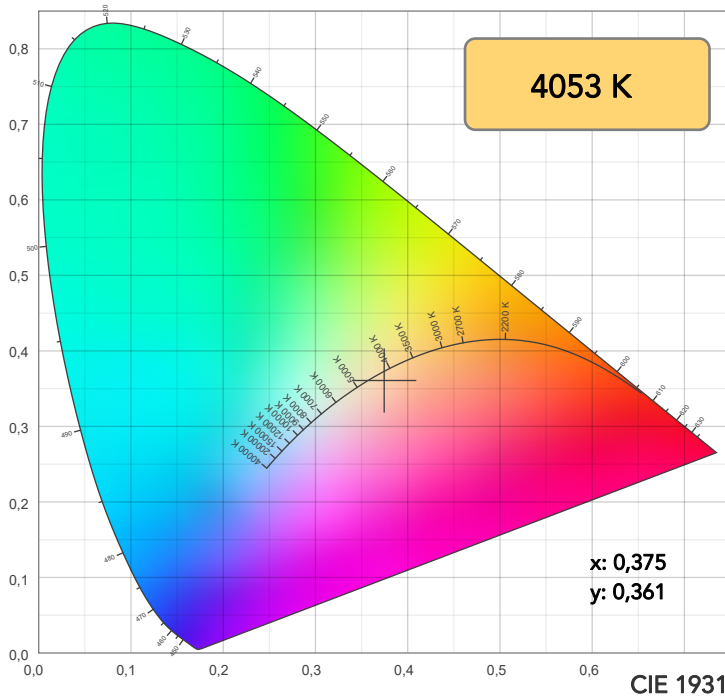
Field angle 10%: 18,8°

Cut off angle 2.5%: 27,3°

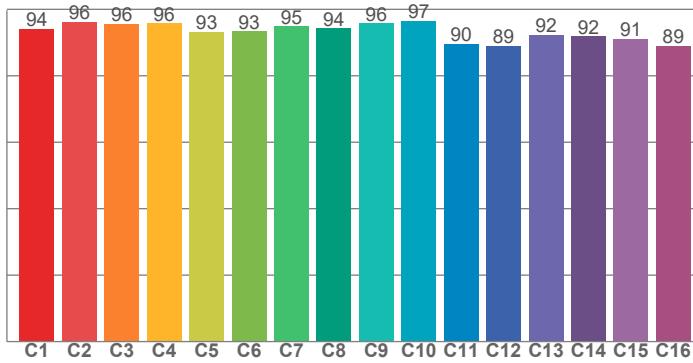
Spectra



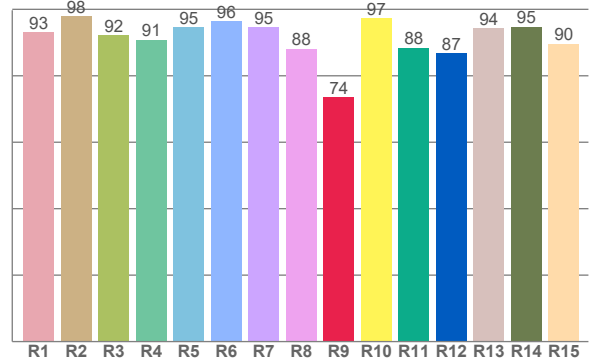
COLOR DETAILS



TM30: 93,5



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
93,1	98,0	92,1	90,9	94,5	96,3	94,5	88,2	73,5	97,4	88,5	86,8	94,4	94,8	89,7

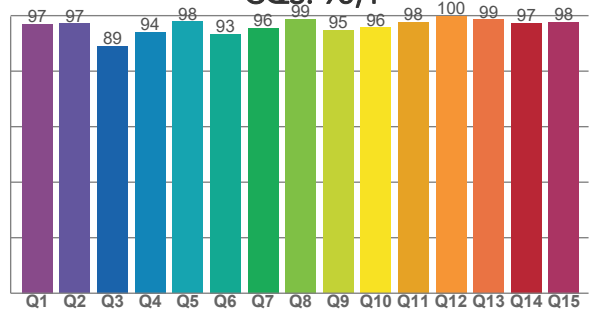
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,0	97,1	89,0	94,0	97,9	93,3	95,5	98,9	94,7	95,7	97,7	99,9	98,6	97,4	97,7

CQS: 95,4



COLOR PARAMETERS

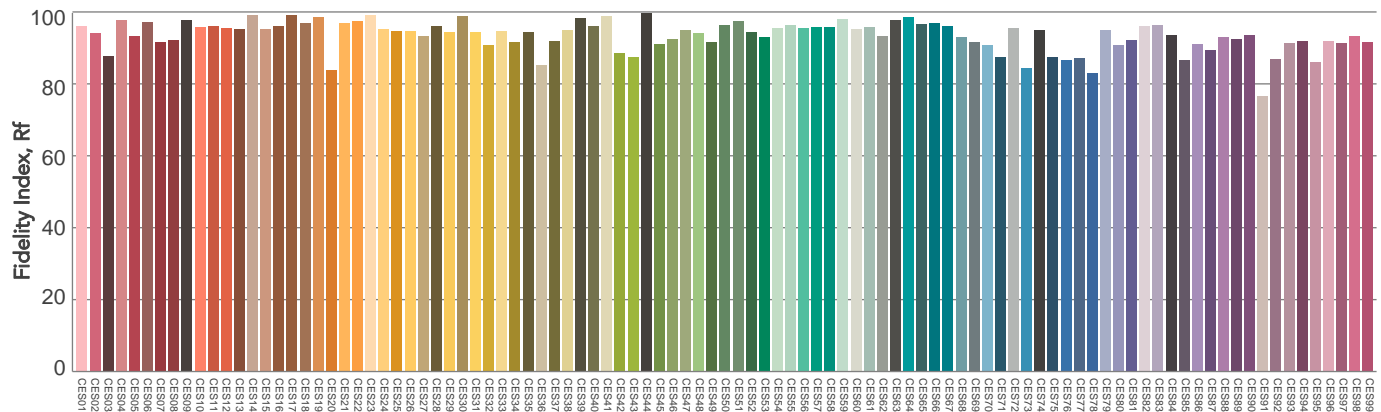
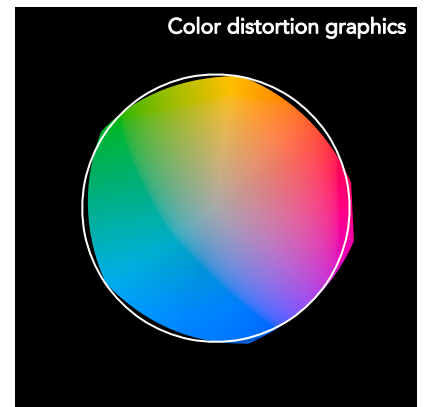
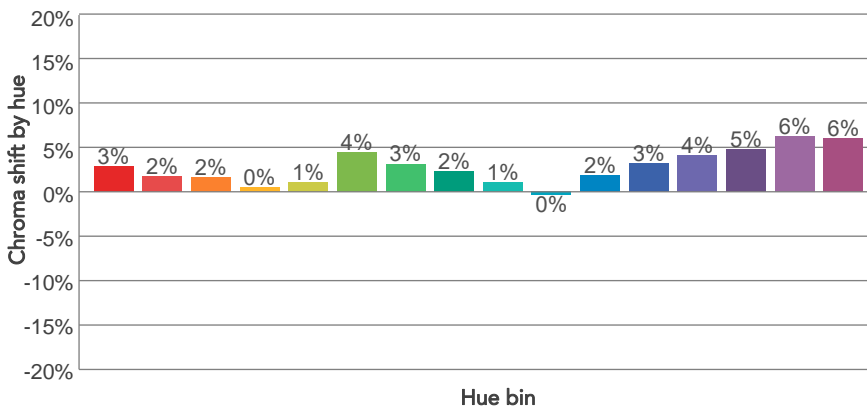
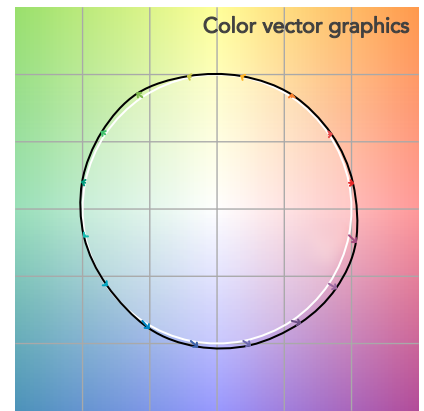
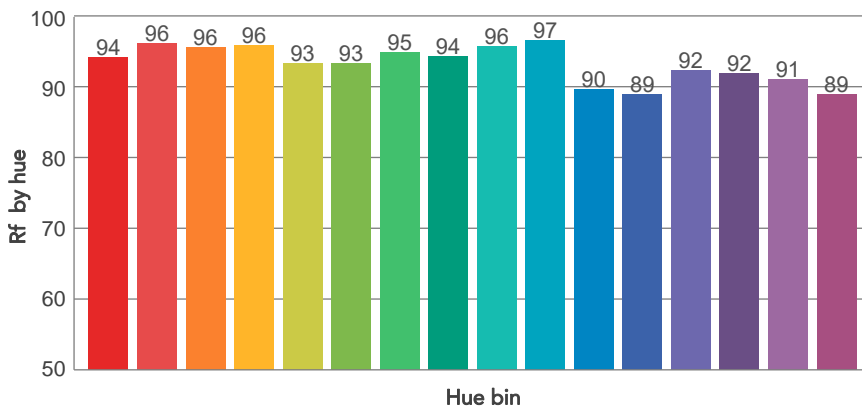
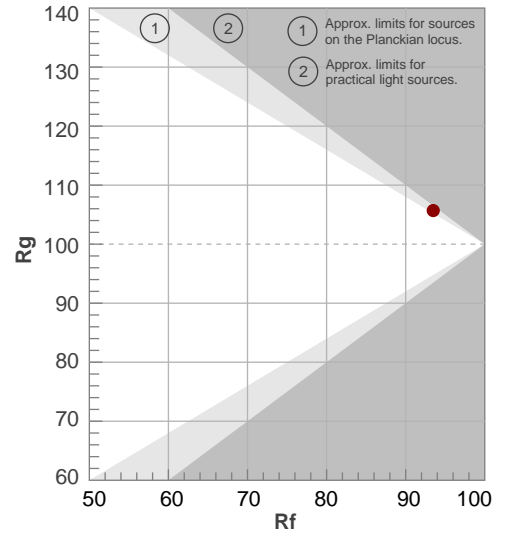
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4053 K	93,5	73,5	93,5	105,7	95,4	97	0,375	0,361	-0,0059

TM30 DETAILS

Rf 93,5
Fidelity index Rf

Rg 105,7
Gammut index

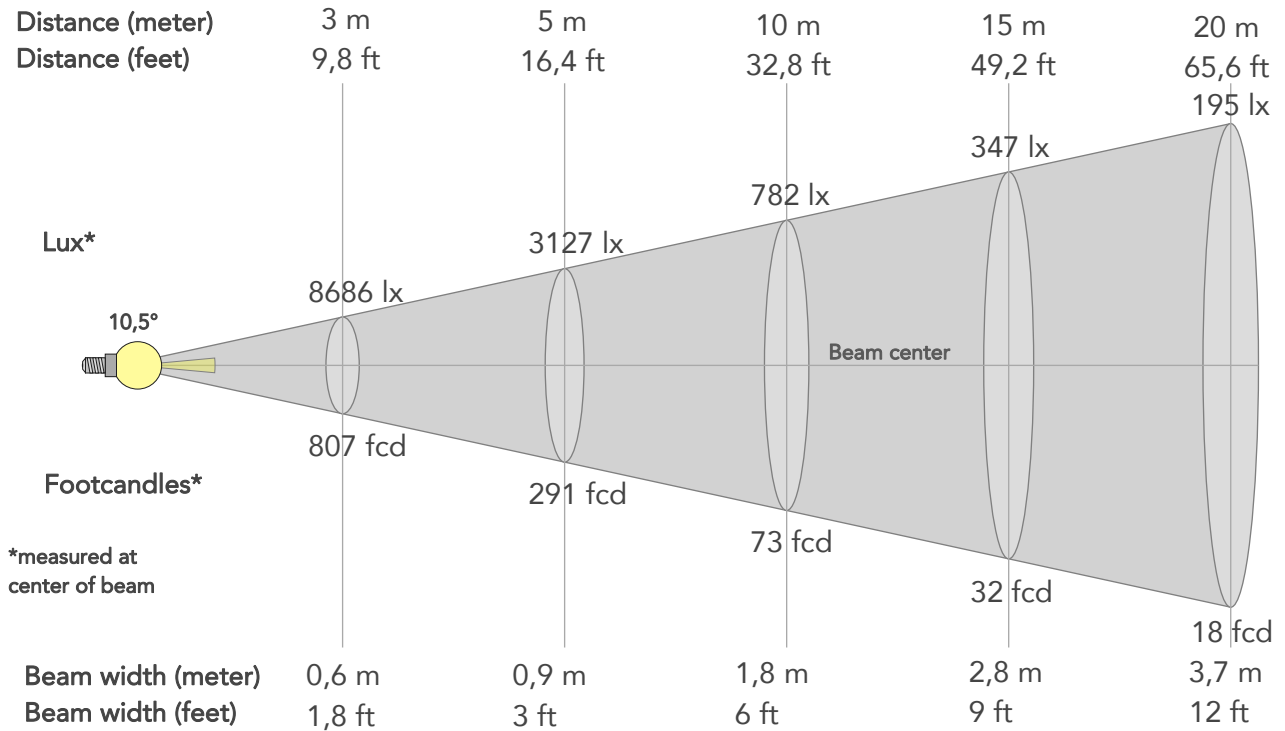
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	3%	-1%
2	96	2%	-1%
3	96	2%	1%
4	96	0%	2%
5	93	1%	2%
6	93	4%	2%
7	95	3%	0%
8	94	2%	0%
9	96	1%	1%
10	97	0%	2%
11	90	2%	7%
12	89	3%	5%
13	92	4%	4%
14	92	5%	4%
15	91	6%	0%
16	89	6%	-4%



BEAM DETAILS



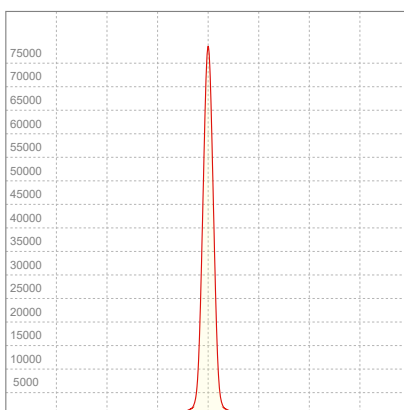
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,5°	18,8°	27,3°	96,5%	92,4%



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	78176lx	19544lx	8686lx	4886lx	3127lx	1390lx	782lx	347lx	195lx	125lx	87lx	49lx	31lx
Footcand.	7263fcd	1816fcd	807fcd	454fcd	291fcd	129fcd	73fcd	32fcd	18fcd	12fcd	8fcd	5fcd	3fcd
Beam wid.	0,2m	0,4m	0,6m	0,7m	0,9m	1,4m	1,8m	2,8m	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	15,1ft	18,1ft	24,1ft	30,1ft

LINEAR DISTRIBUTION DIAGRAM

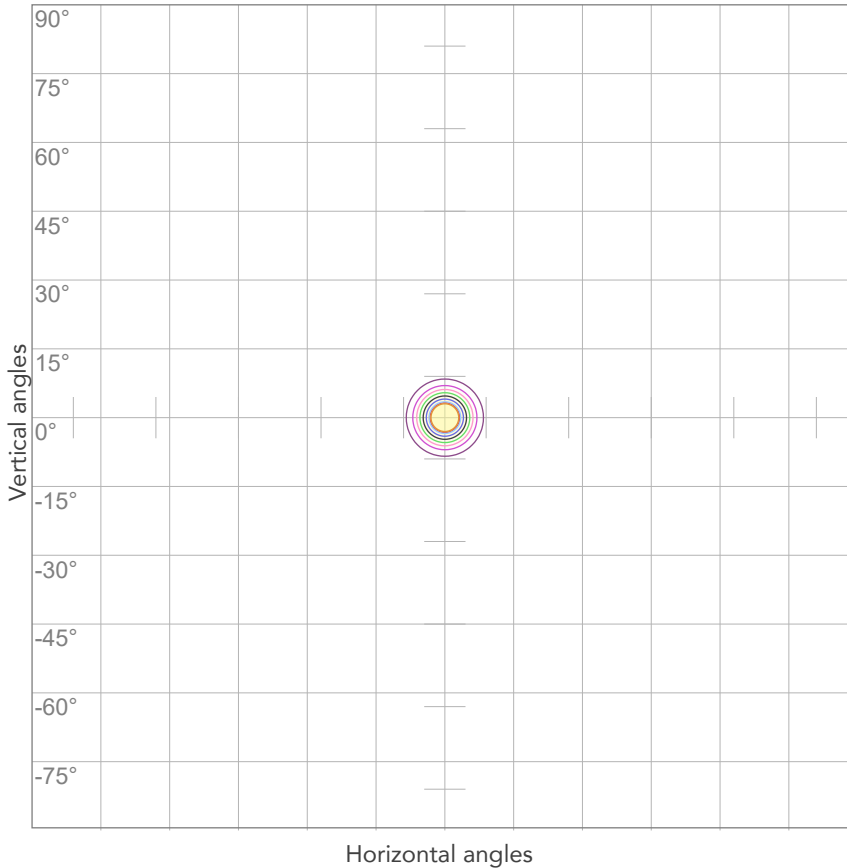


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,383A	79,4W	0,92	53lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



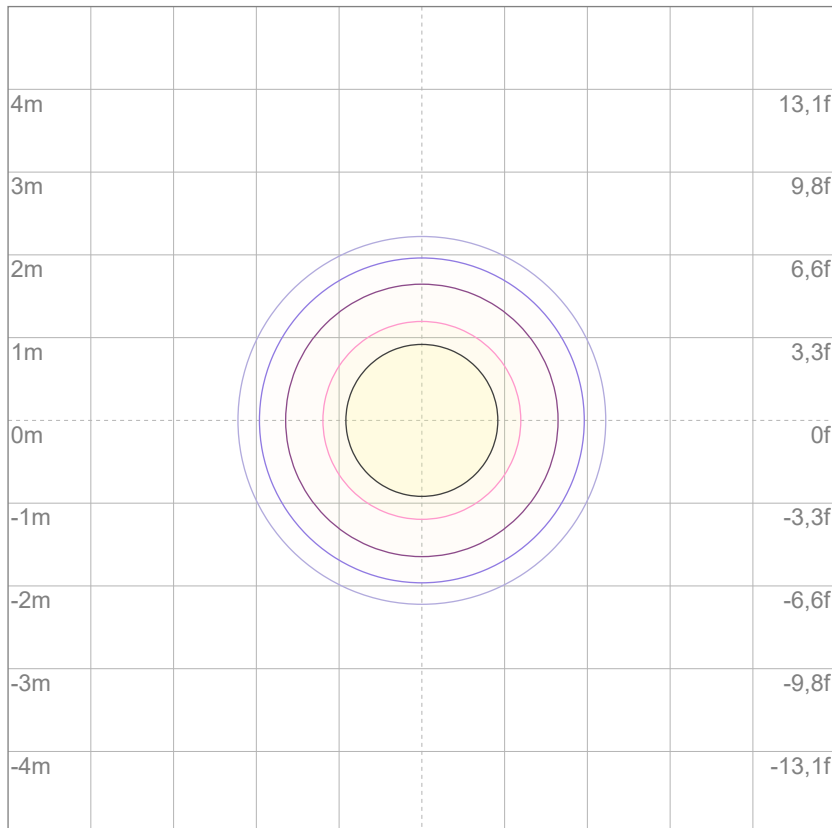
10%	7818 cd
20%	15635 cd
30%	23453 cd
40%	31270 cd
50%	39088 cd
60%	46906 cd
70%	54723 cd
80%	62541 cd

Conditions:

Number of c-planes: 2

Candela at center: 78176 cd

ISO LUX DIAGRAM



3%	23,5 lx
5%	39,1 lx
10%	78,2 lx
30%	235 lx
50%	391 lx

Conditions:

Number of c-planes: 2

Lux at center: 782 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:

3897 lm

Peak candela output:

14886 cd

Light quality:

CRI: 93,5

Color temperature:

4056 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

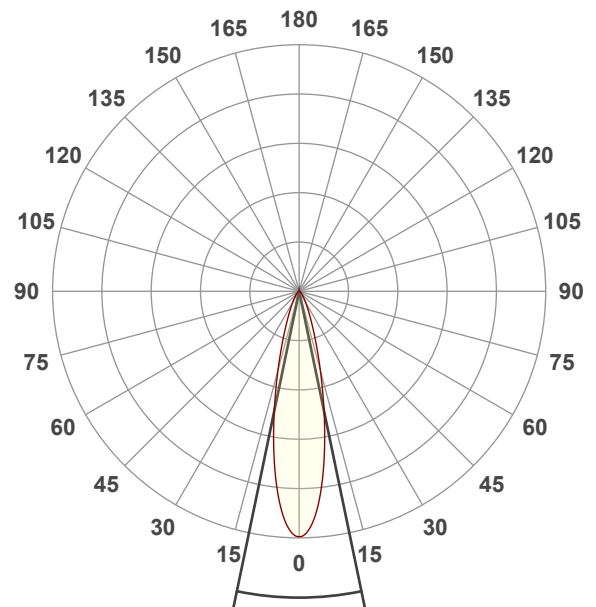
4000K

Operator:

Giacomo Matteo

Date and time:

21/02/2024 16:09:23

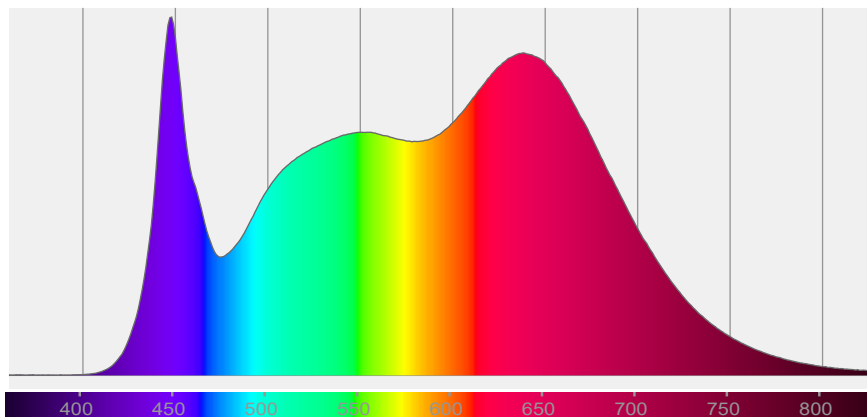


Beam angle 50%: 23,5°

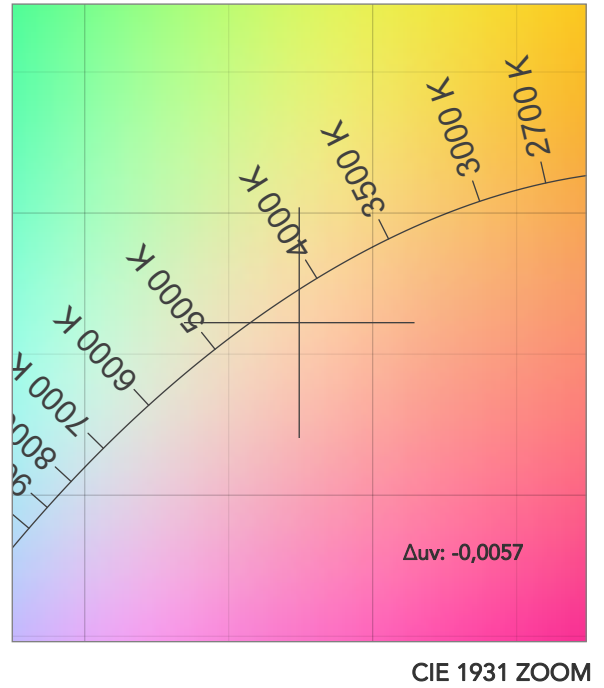
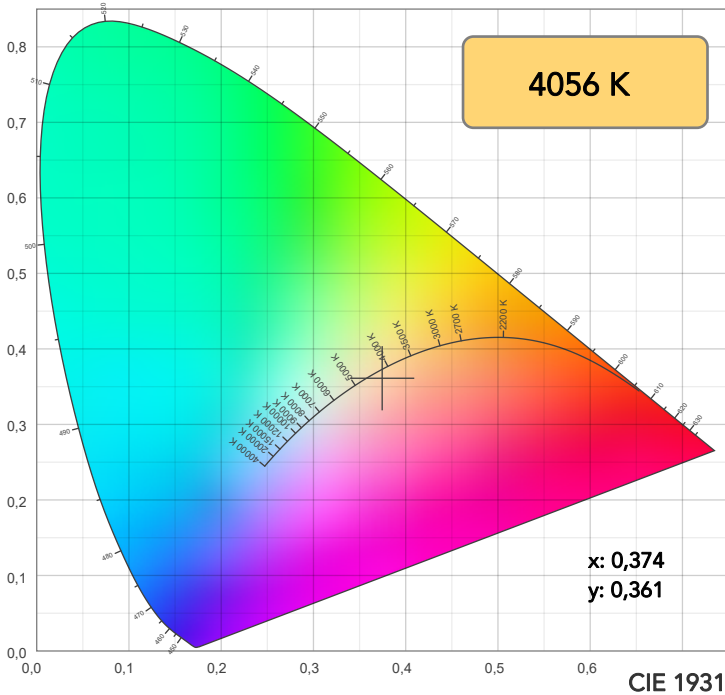
Field angle 10%: 48,6°

Cut off angle 2.5%: 76,6°

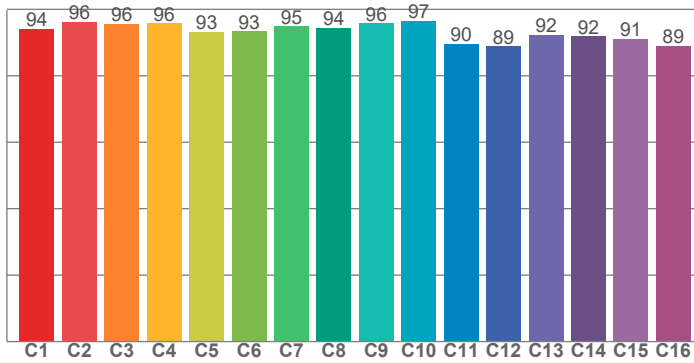
Spectra



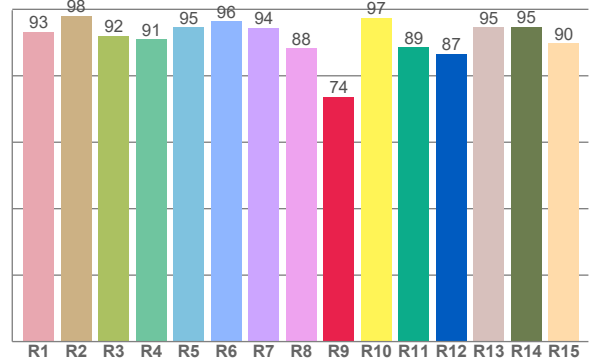
COLOR DETAILS



TM30: 93,5



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
93,2	98,1	92,0	90,9	94,6	96,4	94,5	88,2	73,7	97,5	88,6	86,7	94,5	94,7	89,8

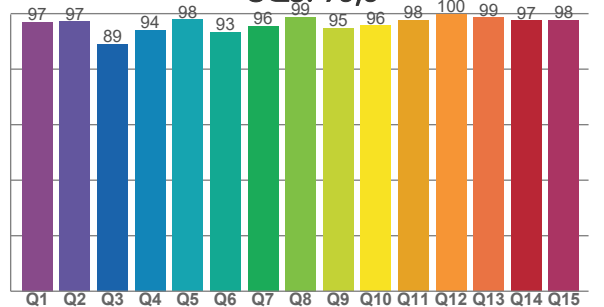
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,0	97,1	89,0	94,0	97,9	93,3	95,5	98,9	94,7	95,7	97,7	99,8	98,5	97,4	97,7

CQS: 95,5



COLOR PARAMETERS

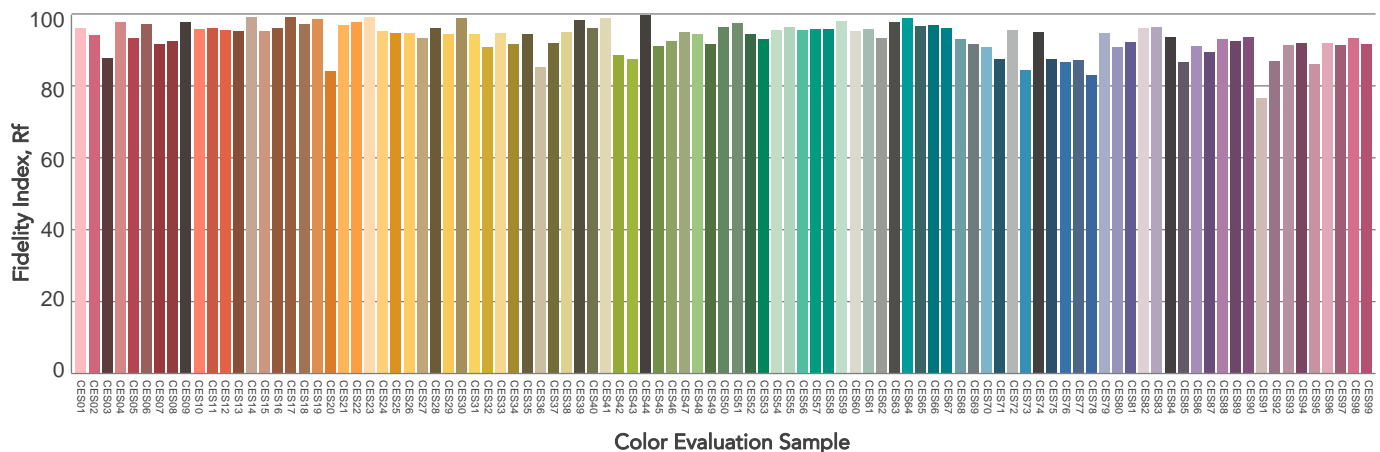
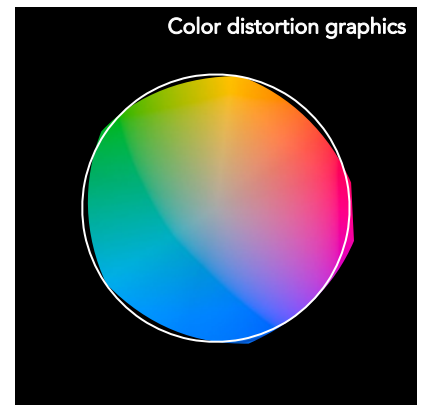
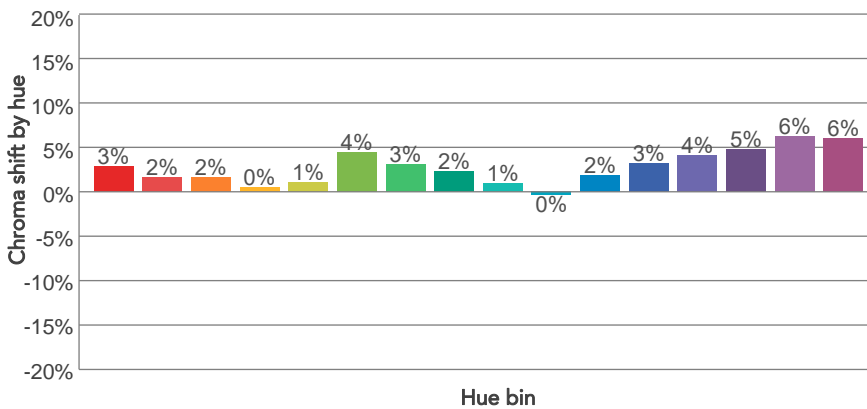
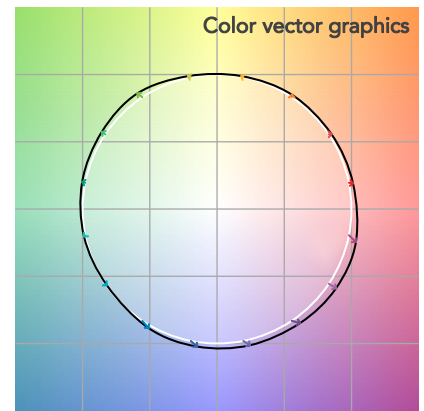
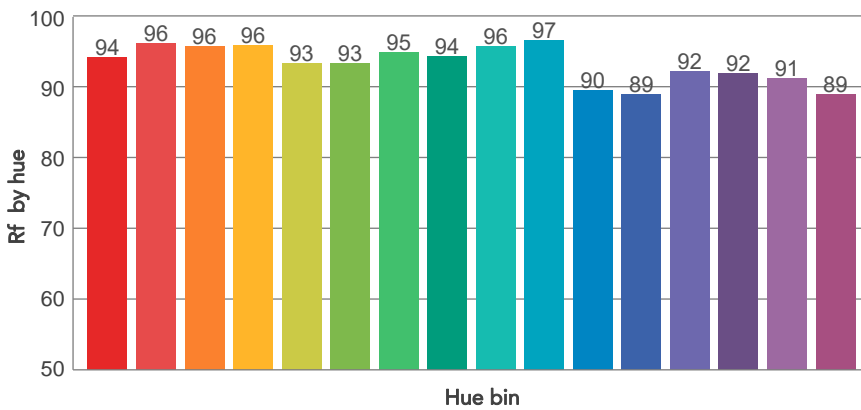
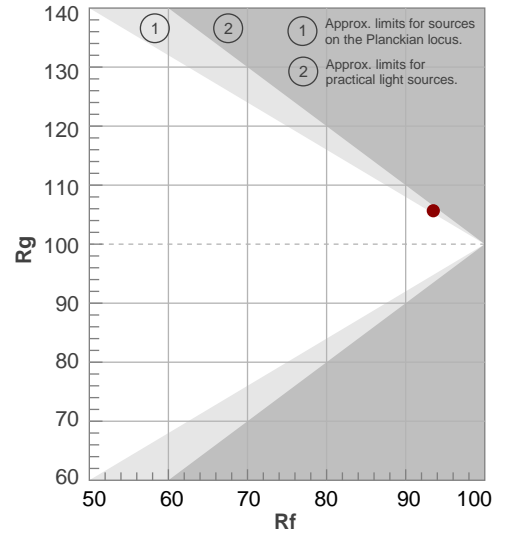
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4056 K	93,5	73,7	93,5	105,7	95,5	97	0,374	0,361	-0,0057

TM30 DETAILS

Rf 93,5
Fidelity index Rf

Rg 105,7
Gammut index

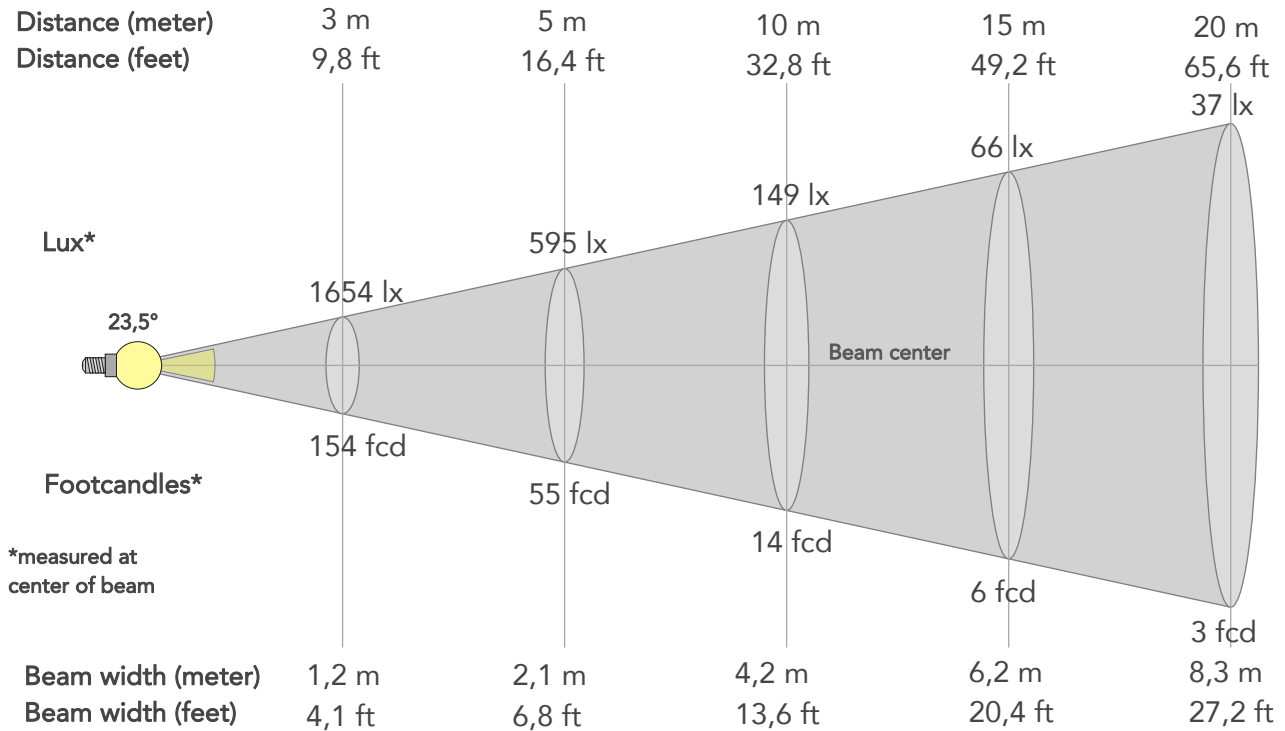
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	3%	-1%
2	96	2%	-1%
3	96	2%	1%
4	96	0%	2%
5	93	1%	2%
6	93	4%	2%
7	95	3%	0%
8	94	2%	0%
9	96	1%	1%
10	97	0%	2%
11	90	2%	7%
12	89	3%	5%
13	92	4%	4%
14	92	5%	4%
15	91	6%	0%
16	89	6%	-4%



BEAM DETAILS



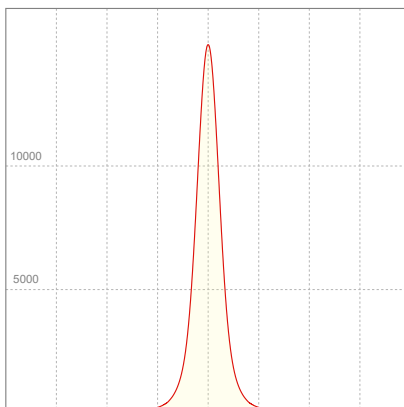
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,5°	48,6°	76,6°	96,8%	91,7%



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	14886lx	3721lx	1654lx	930lx	595lx	265lx	149lx	66lx	37lx	24lx	17lx	9lx	6lx
Footcand.	1383fcd	346fcd	154fcd	86fcd	55fcd	25fcd	14fcd	6fcd	3fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,2m	6,2m	8,3m	10,4m	12,5m	16,6m	20,8m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34,1ft	40,9ft	54,5ft	68,1ft

LINEAR DISTRIBUTION DIAGRAM

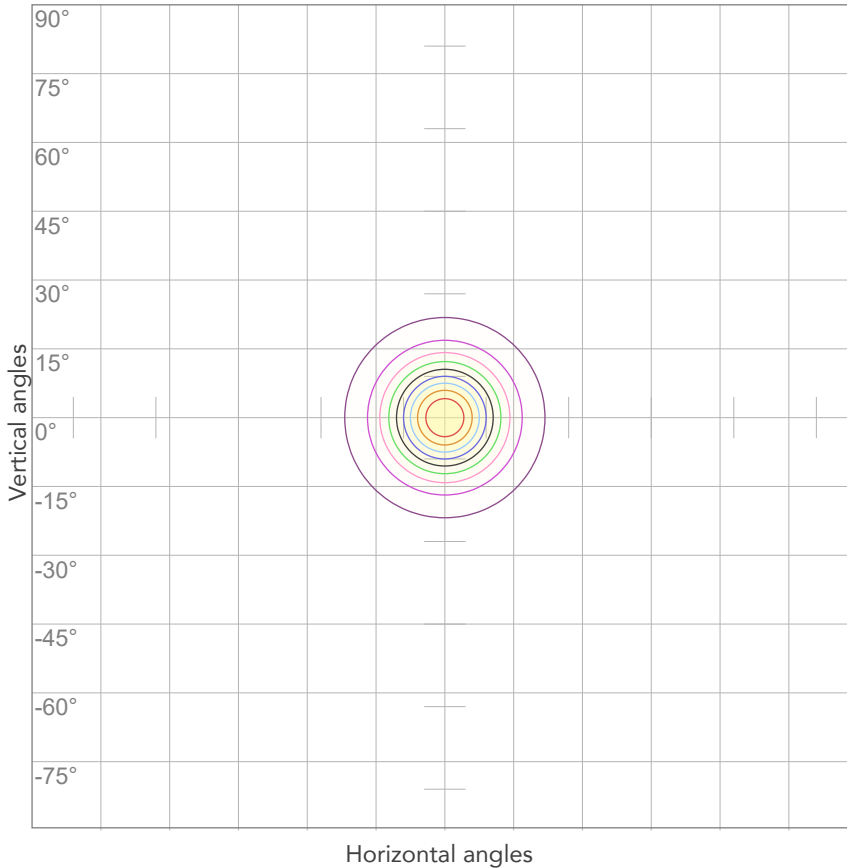


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,381A	79,6W	0,92	49lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



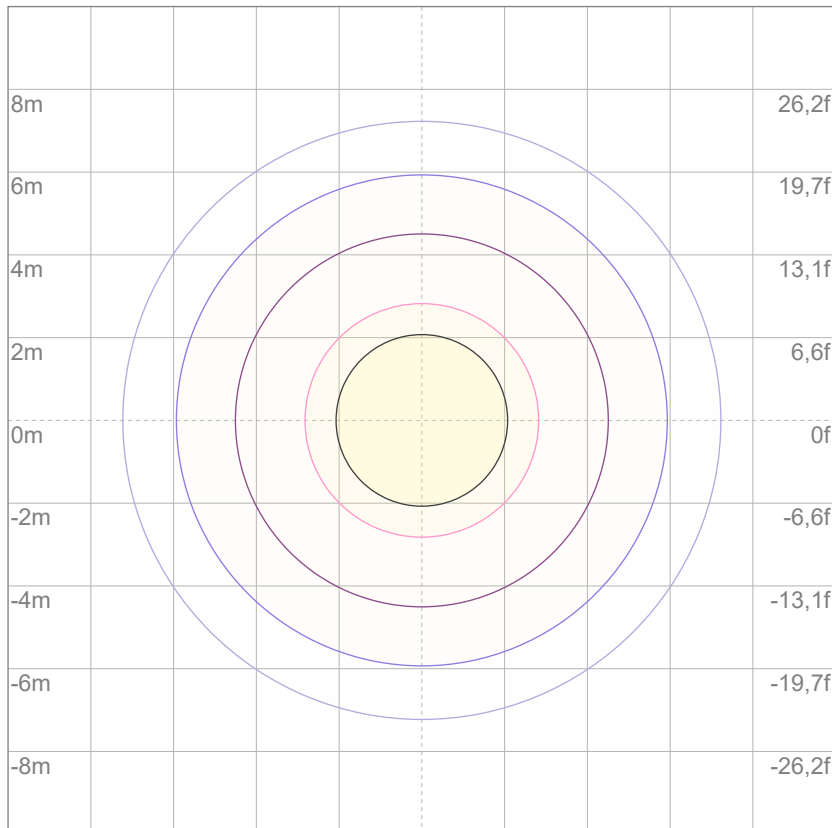
10%	1489 cd
20%	2977 cd
30%	4466 cd
40%	5954 cd
50%	7443 cd
60%	8932 cd
70%	10420 cd
80%	11909 cd

Conditions:

Number of c-planes: 2

Candela at center: 14886 cd

ISO LUX DIAGRAM



3%	4,47 lx
5%	7,44 lx
10%	14,9 lx
30%	44,7 lx
50%	74,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 149 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:

3693 lm

Peak candela output:

4818 cd

Light quality:

CRI: 93,5

Color temperature:

4072 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

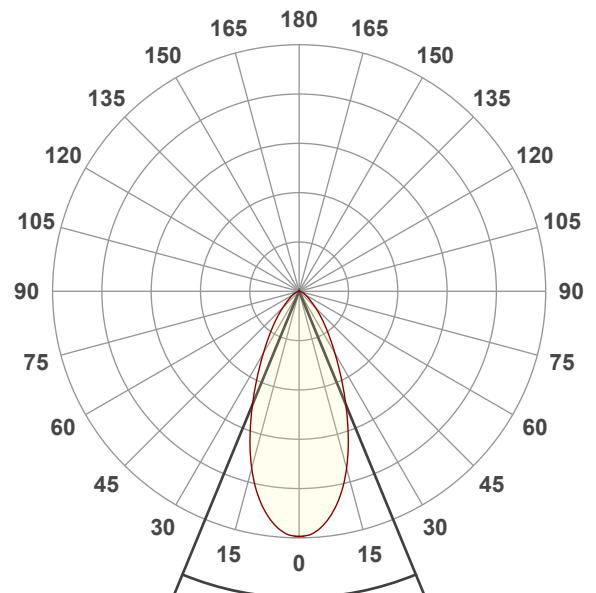
4000K

Operator:

Giacomo Matteo

Date and time:

21/02/2024 16:39:53

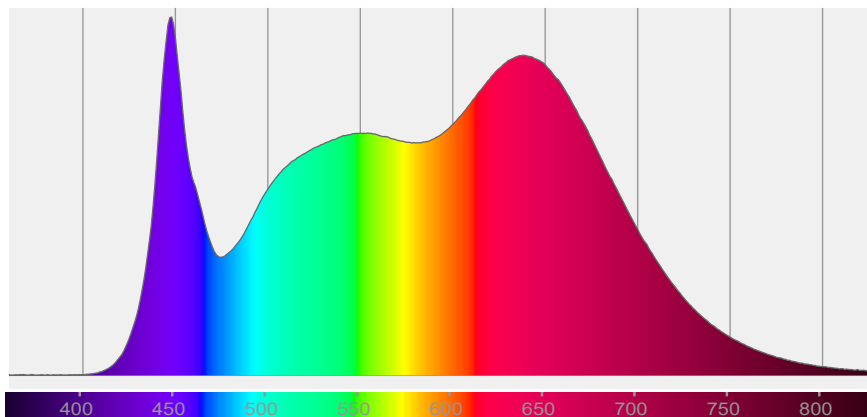


Beam angle 50%: 44,8°

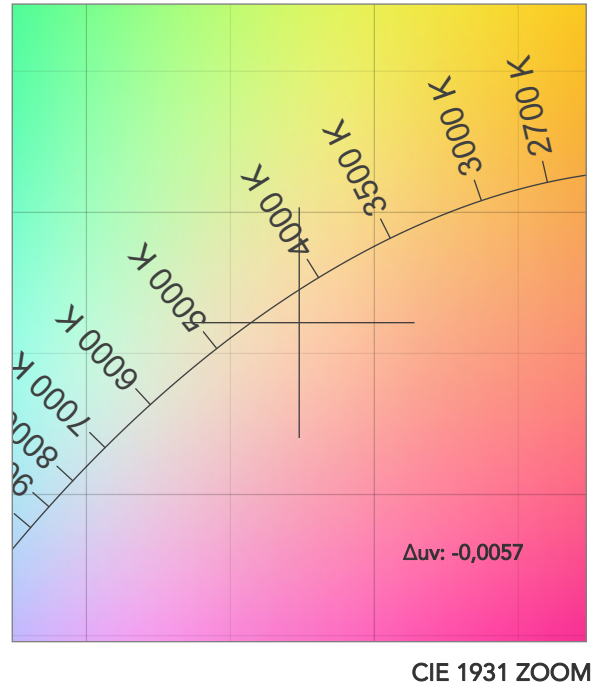
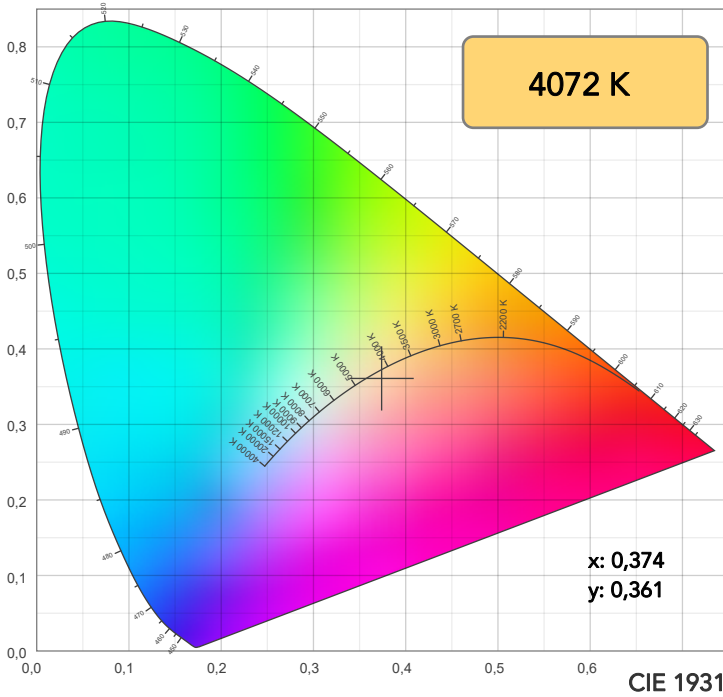
Field angle 10%: 88,7°

Cut off angle 2.5%: 126,7°

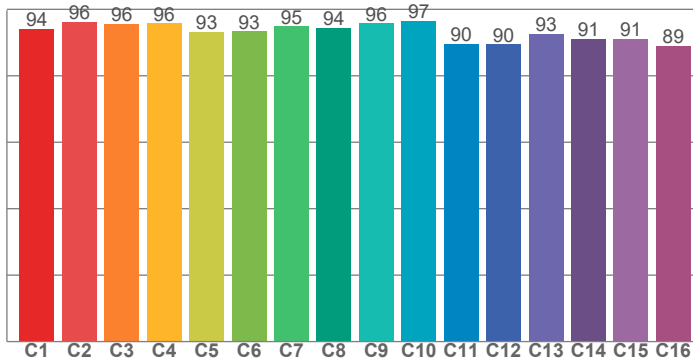
Spectra



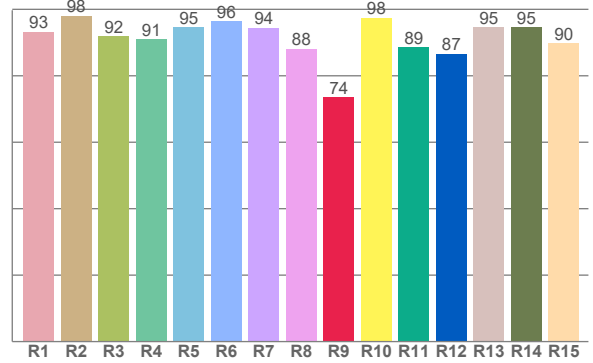
COLOR DETAILS



TM30: 93,5



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
93,2	98,1	92,0	90,9	94,7	96,4	94,4	88,1	73,5	97,5	88,5	86,6	94,5	94,7	89,8

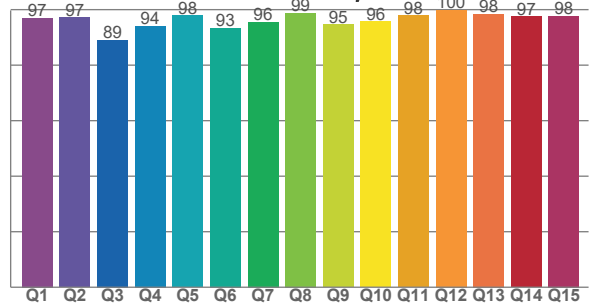
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,0	97,1	89,0	94,1	97,9	93,4	95,6	98,8	94,7	95,8	97,8	99,8	98,4	97,4	97,7

CQS: 95,5



COLOR PARAMETERS

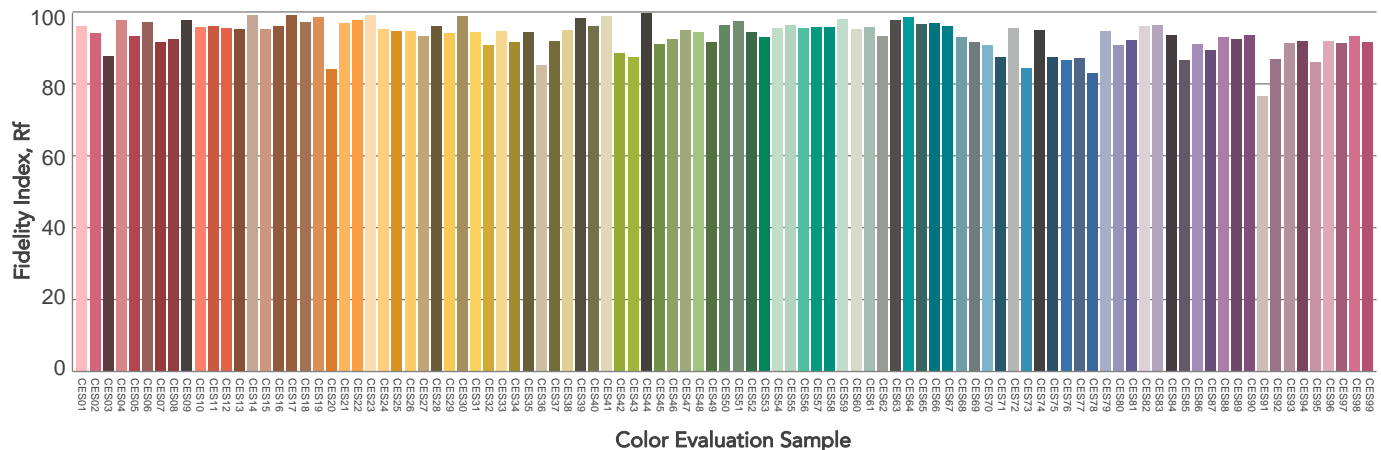
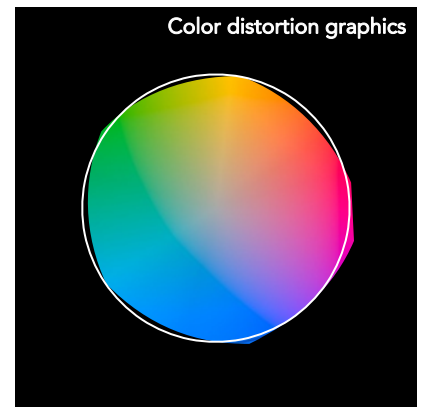
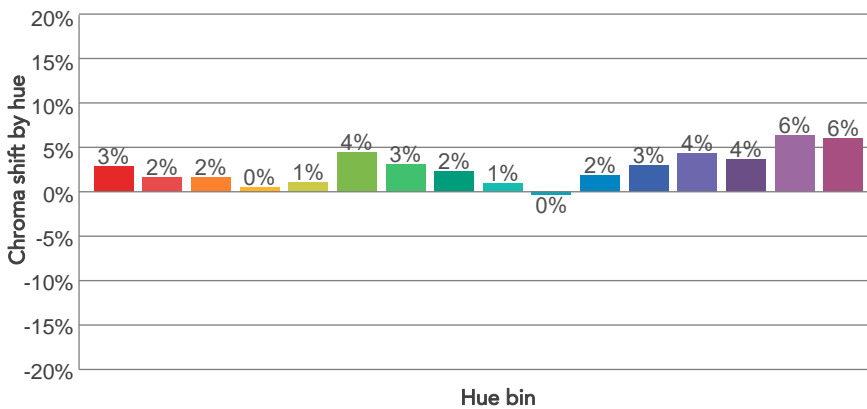
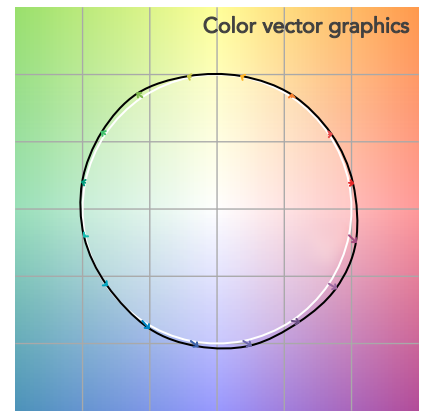
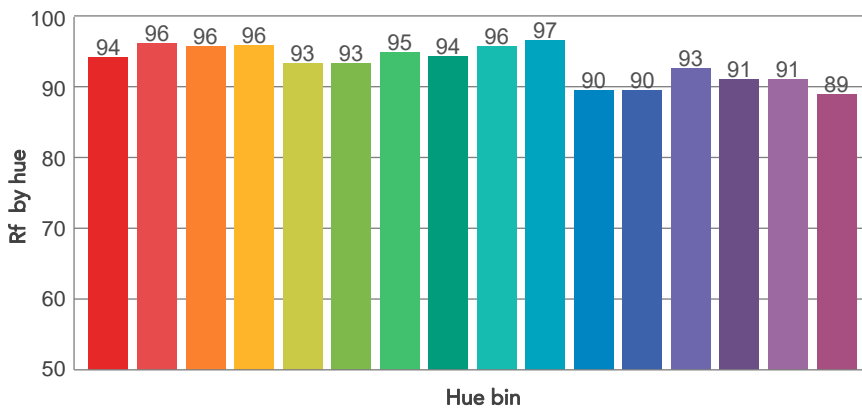
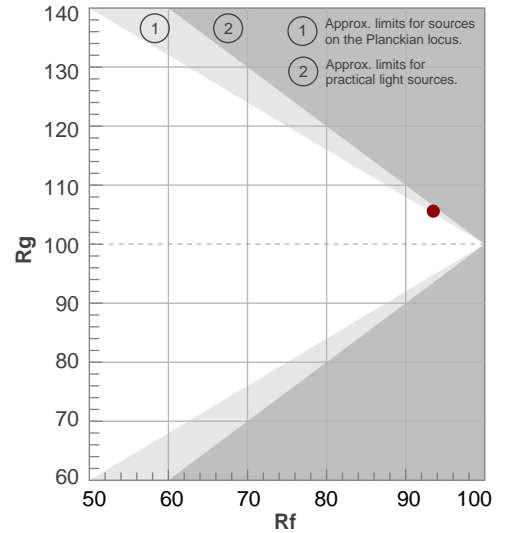
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4072 K	93,5	73,5	93,5	105,6	95,5	97	0,374	0,361	-0,0057

TM30 DETAILS

Rf 93,5
Fidelity index Rf

Rg 105,6
Gammut index

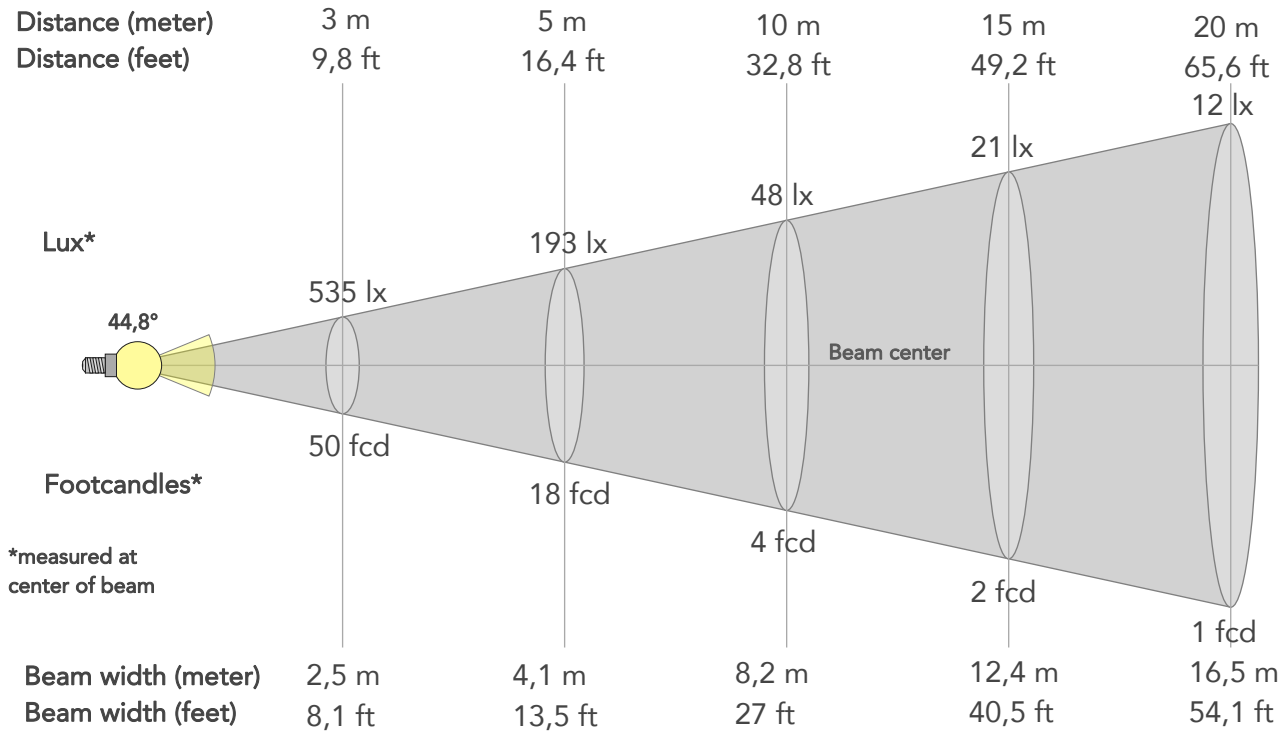
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	3%	-1%
2	96	2%	-1%
3	96	2%	1%
4	96	0%	2%
5	93	1%	2%
6	93	4%	2%
7	95	3%	0%
8	94	2%	0%
9	96	1%	1%
10	97	0%	2%
11	90	2%	7%
12	90	3%	6%
13	93	4%	5%
14	91	4%	4%
15	91	6%	0%
16	89	6%	-4%



BEAM DETAILS



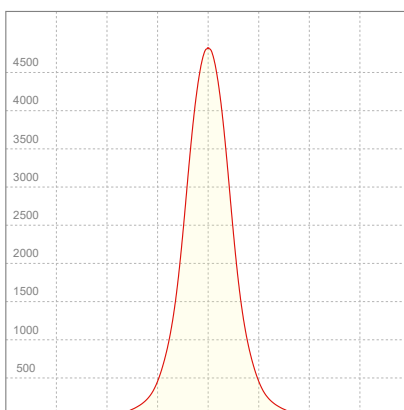
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,8°	88,7°	126,7°	95,4%	86,0%



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	4818lx	1204lx	535lx	301lx	193lx	86lx	48lx	21lx	12lx	8lx	5lx	3lx	2lx
Footcand.	448fcd	112fcd	50fcd	28fcd	18fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,4m	16,5m	20,6m	24,7m	33m	41,2m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,3ft	27ft	40,5ft	54,1ft	67,6ft	81,1ft	108,1ft	135,2ft

LINEAR DISTRIBUTION DIAGRAM

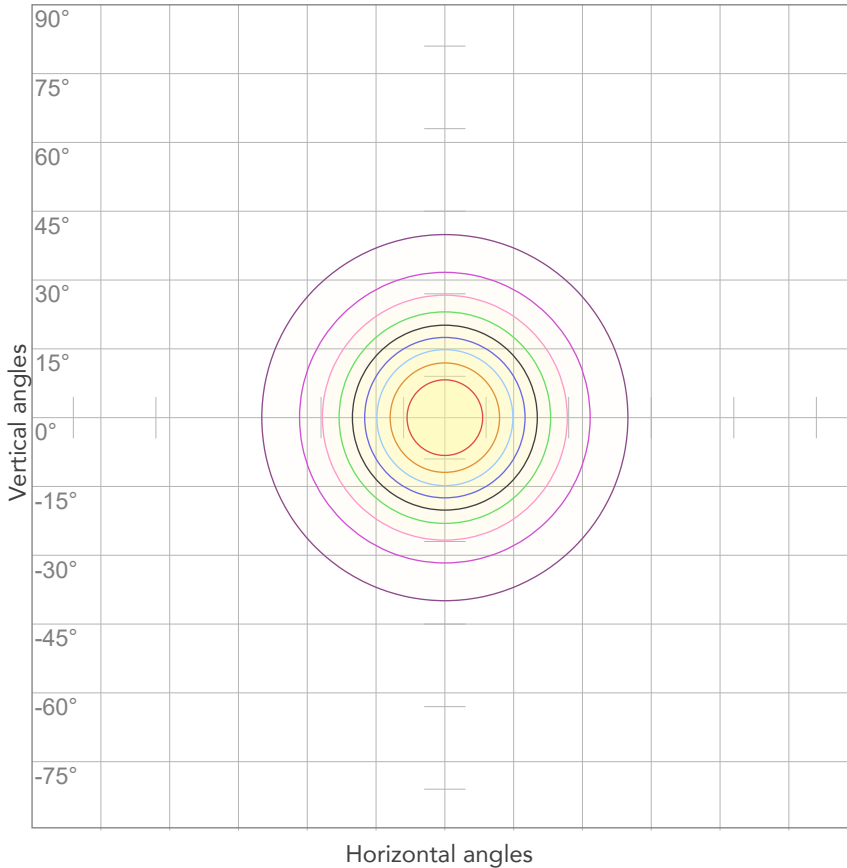


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,382A	79,6W	0,92	46lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



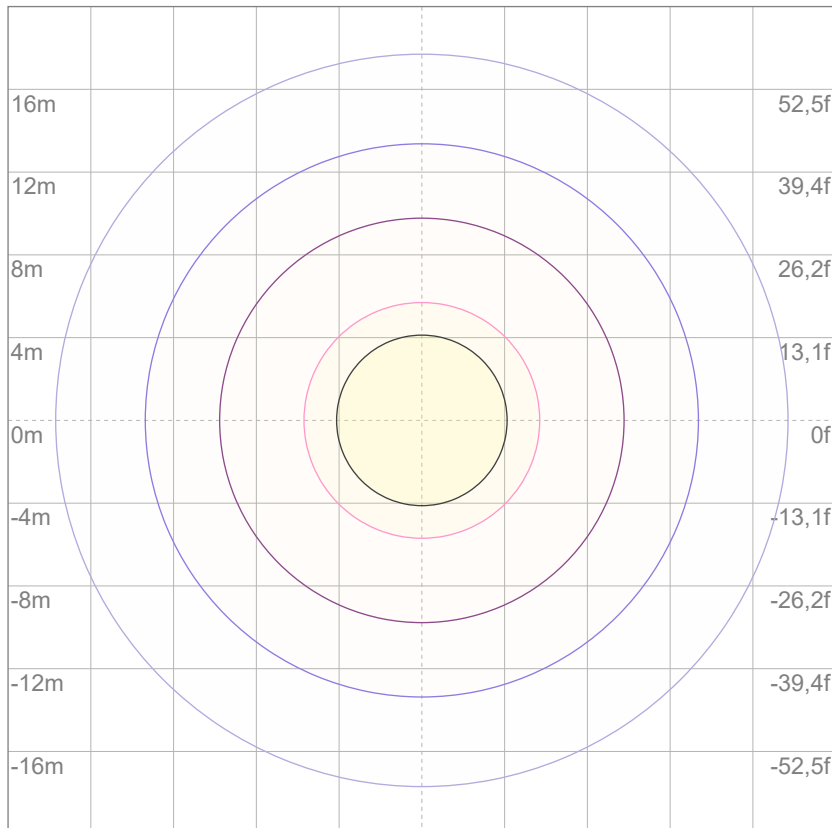
10%	482 cd
20%	964 cd
30%	1445 cd
40%	1927 cd
50%	2409 cd
60%	2891 cd
70%	3372 cd
80%	3854 cd

Conditions:

Number of c-planes: 2

Candela at center: 4818 cd

ISO LUX DIAGRAM



3%	1,45 lx
5%	2,41 lx
10%	4,82 lx
30%	14,5 lx
50%	24,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 48,2 lx

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



Total lumen output:

3703 lm

Peak candela output:

3274 cd

Light quality:

CRI: 93,6

Color temperature:

4080 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

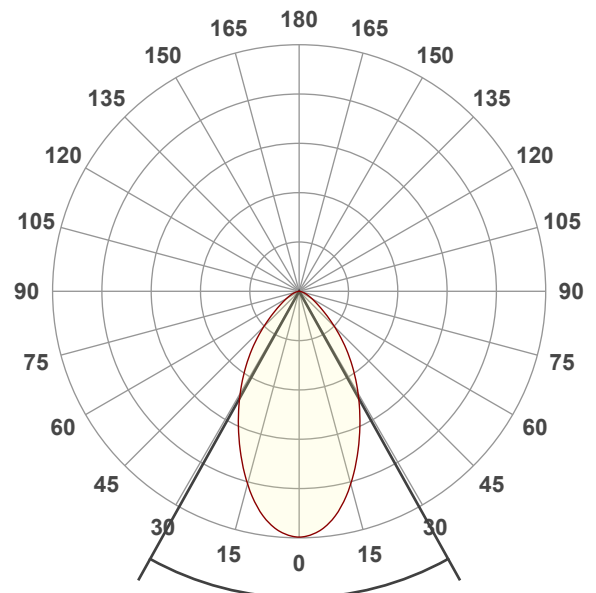
4000K

Operator:

Giacomo Matteo

Date and time:

21/02/2024 17:19:32

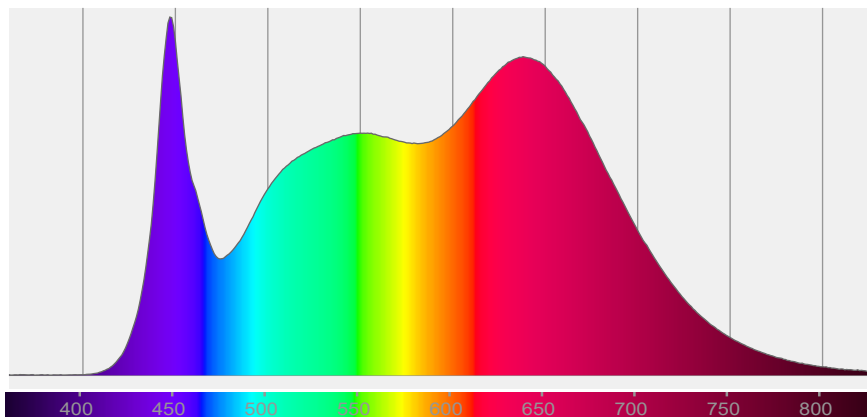


Beam angle 50%: 58,2°

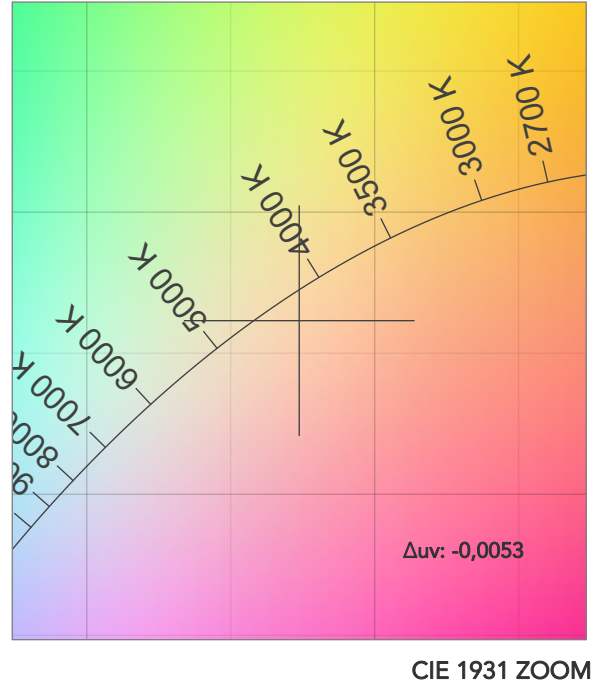
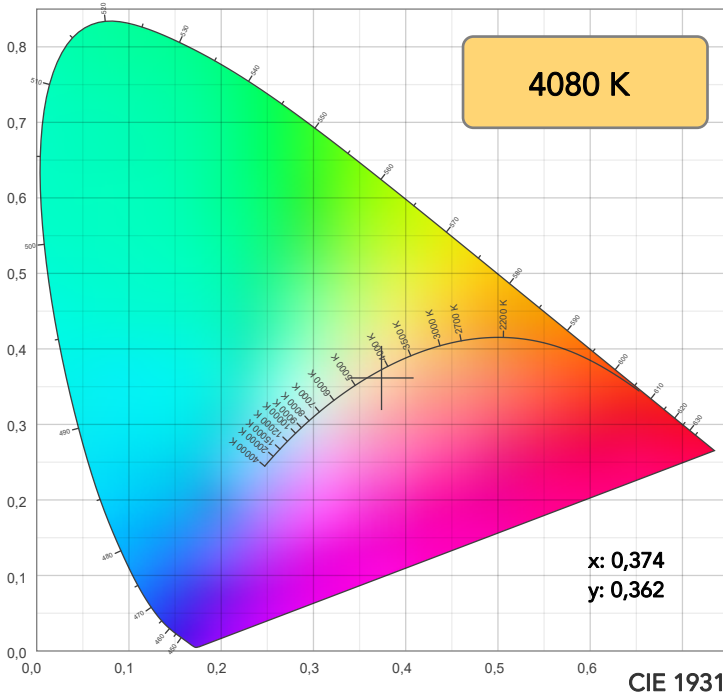
Field angle 10%: 107,3°

Cut off angle 2.5%: 141,6°

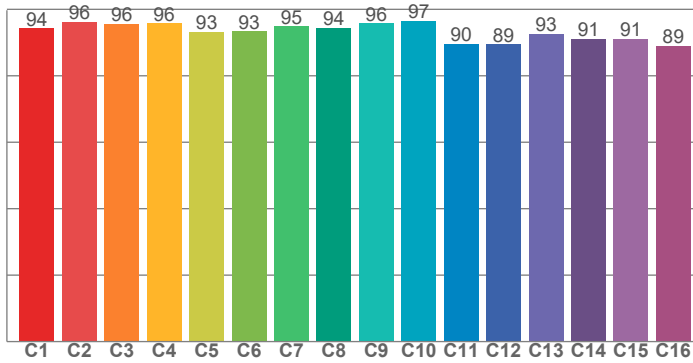
Spectra



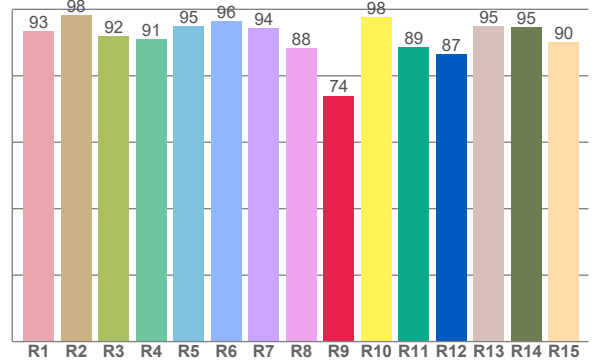
COLOR DETAILS



TM30: 93,5



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
93,5	98,3	91,8	91,0	94,9	96,5	94,3	88,2	74,0	97,6	88,6	86,5	94,8	94,6	90,1

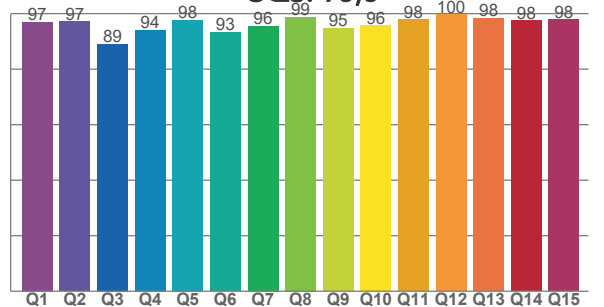
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,1	97,1	89,1	94,1	97,7	93,3	95,6	98,8	94,7	95,8	97,8	99,7	98,3	97,5	97,8

CQS: 95,5



COLOR PARAMETERS

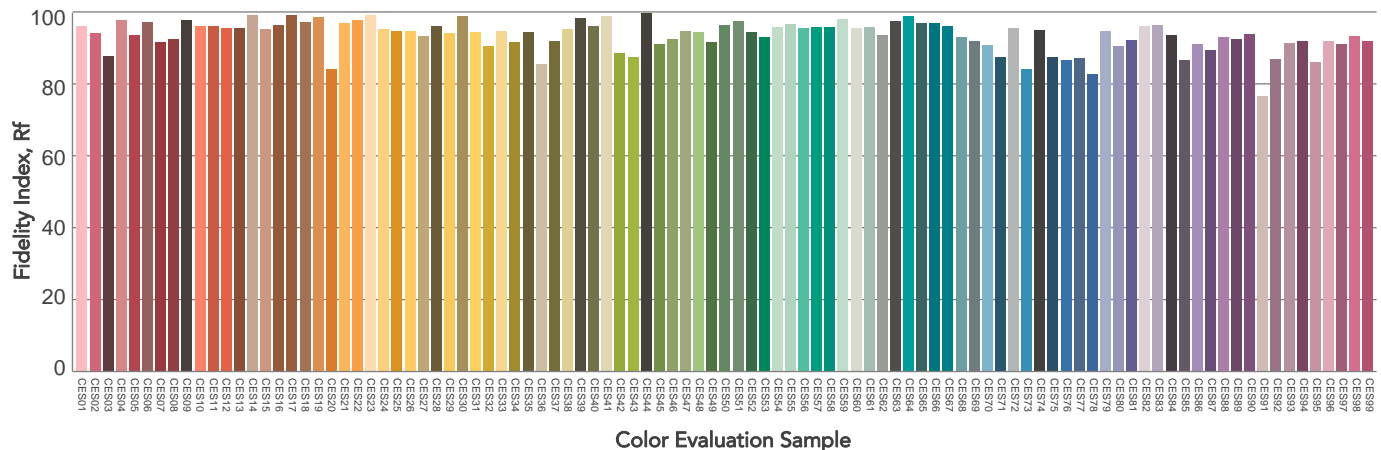
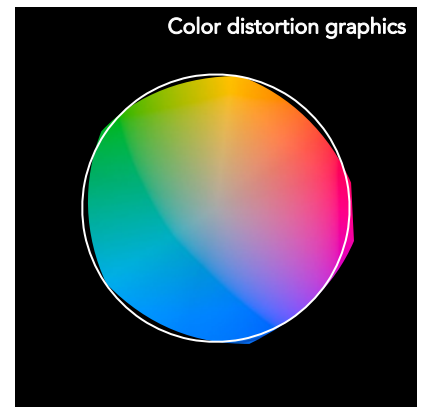
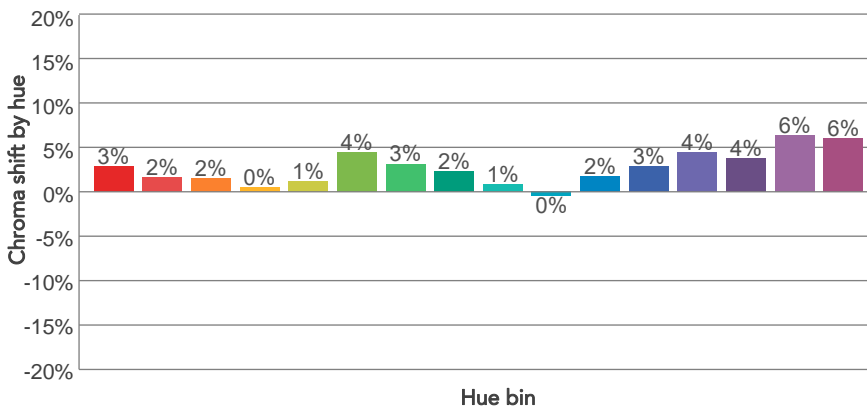
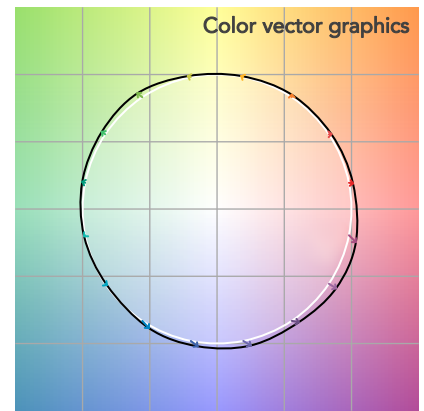
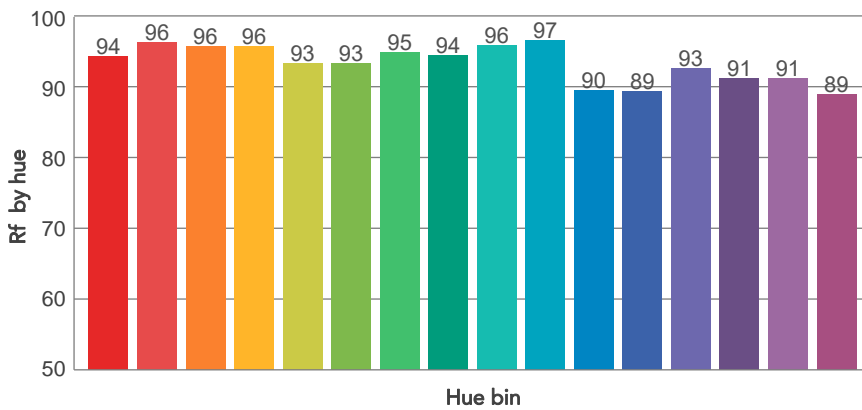
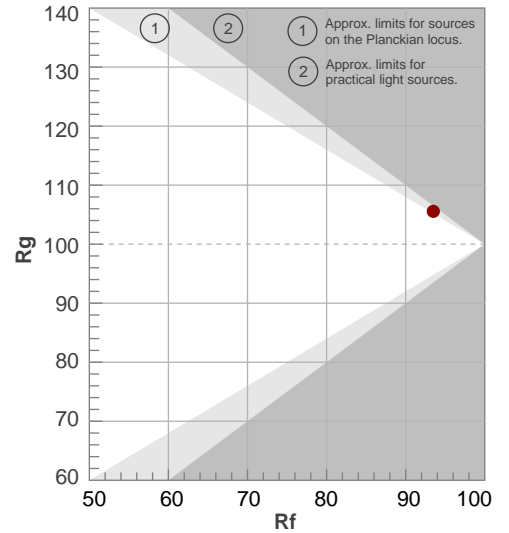
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4080 K	93,6	74,0	93,5	105,6	95,5	97	0,374	0,362	-0,0053

TM30 DETAILS

Rf 93,5
Fidelity index Rf

Rg 105,6
Gammut index

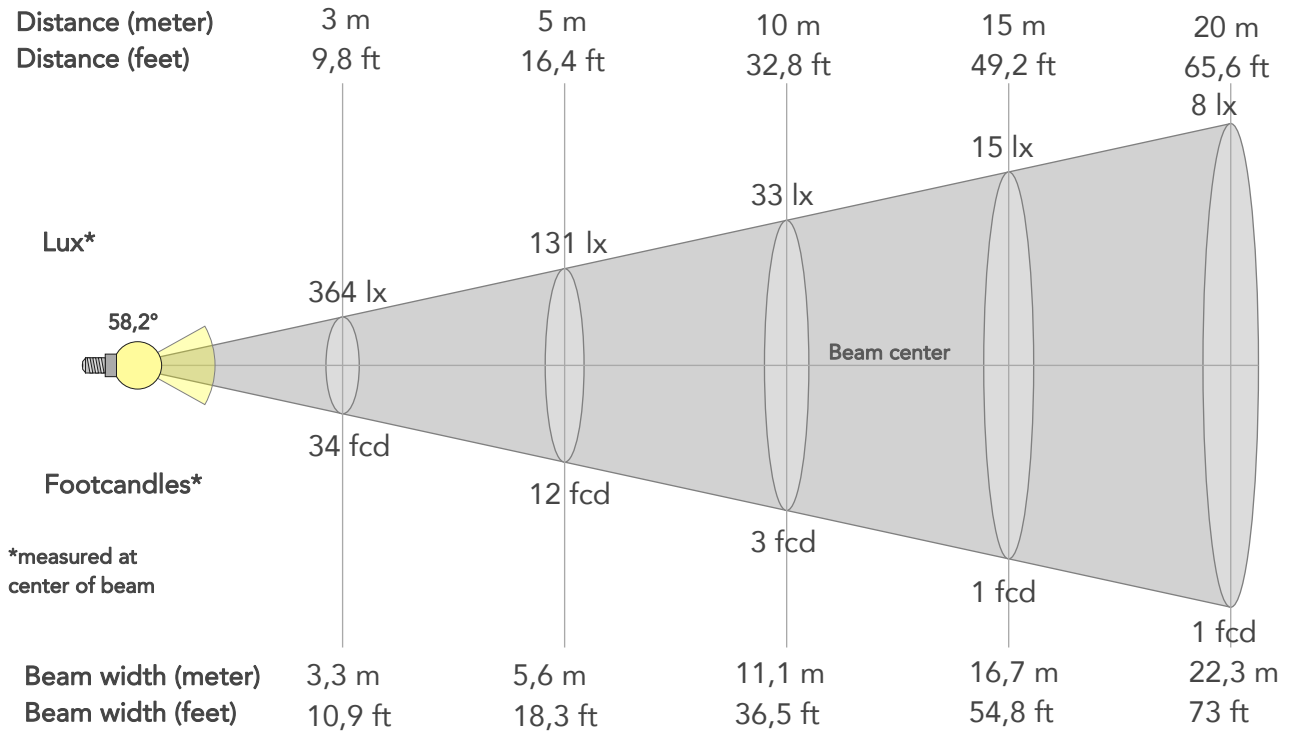
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	3%	-1%
2	96	2%	-1%
3	96	2%	1%
4	96	0%	2%
5	93	1%	2%
6	93	4%	1%
7	95	3%	0%
8	94	2%	0%
9	96	1%	1%
10	97	0%	1%
11	90	2%	7%
12	89	3%	6%
13	93	4%	5%
14	91	4%	4%
15	91	6%	0%
16	89	6%	-4%



BEAM DETAILS



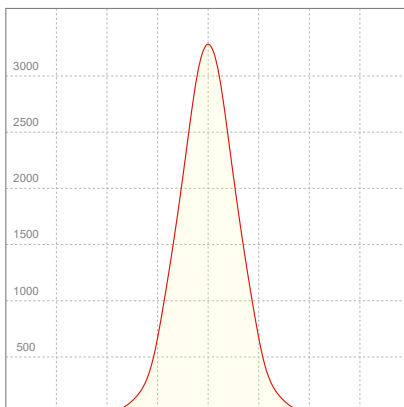
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,2°	107,3°	141,6°	94,3%	81,1%



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	3274lx	818lx	364lx	205lx	131lx	58lx	33lx	15lx	8lx	5lx	4lx	2lx	1lx
Footcand.	304fcd	76fcd	34fcd	19fcd	12fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,5m	5,6m	8,4m	11,1m	16,7m	22,3m	27,8m	33,4m	44,5m	55,7m
Beam wid.	3,7ft	7,3ft	10,9ft	14,6ft	18,3ft	27,4ft	36,5ft	54,8ft	73ft	91,3ft	109,6ft	146,1ft	182,6ft

LINEAR DISTRIBUTION DIAGRAM

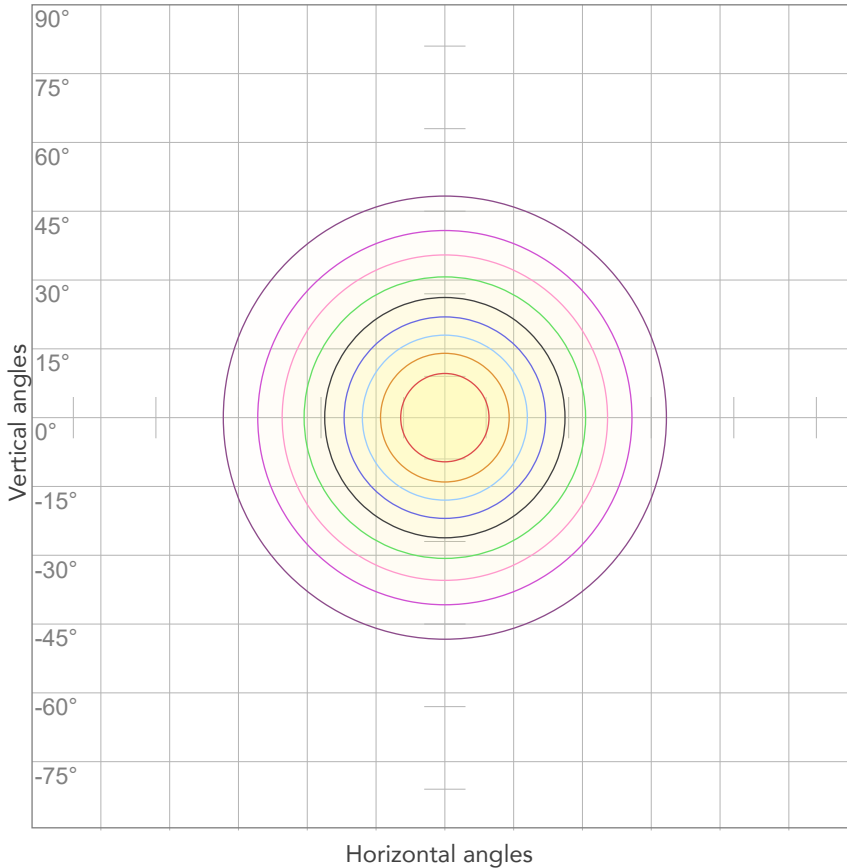


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,422A	75,5W	0,79	49lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



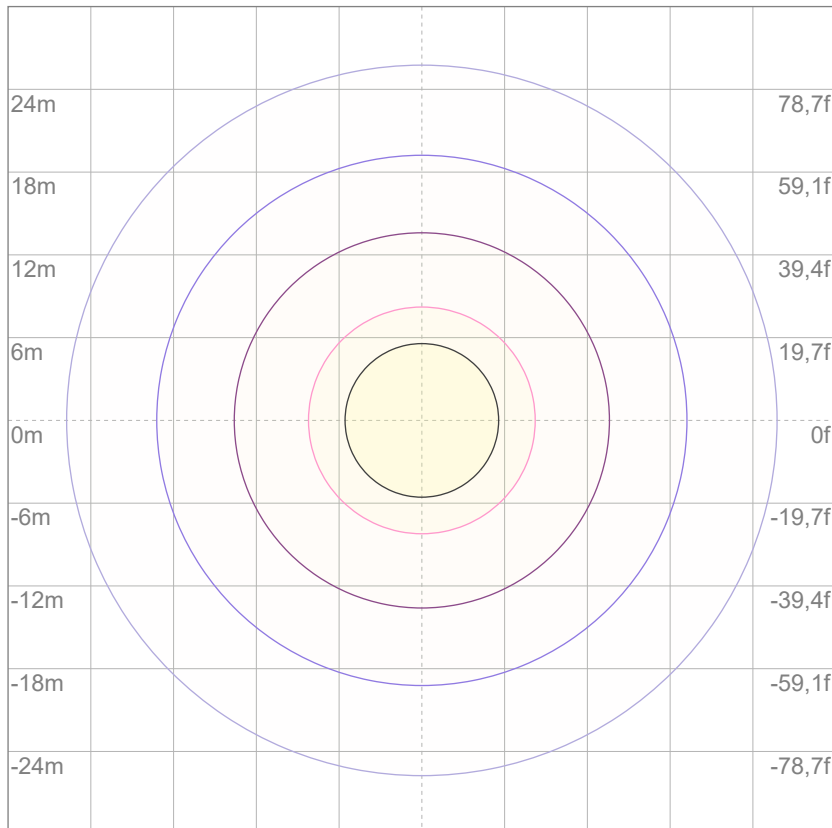
10%	327 cd
20%	655 cd
30%	982 cd
40%	1309 cd
50%	1637 cd
60%	1964 cd
70%	2291 cd
80%	2619 cd

Conditions:

Number of c-planes: 2

Candela at center: 3274 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,982 lx
5%	1,64 lx
10%	3,27 lx
30%	9,82 lx
50%	16,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 32,7 lx

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



Total lumen output:

5577 lm

Peak candela output:

11287 cd

Light quality:

CRI: 93,6

Color temperature:

4039 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x60° Filter

Target:

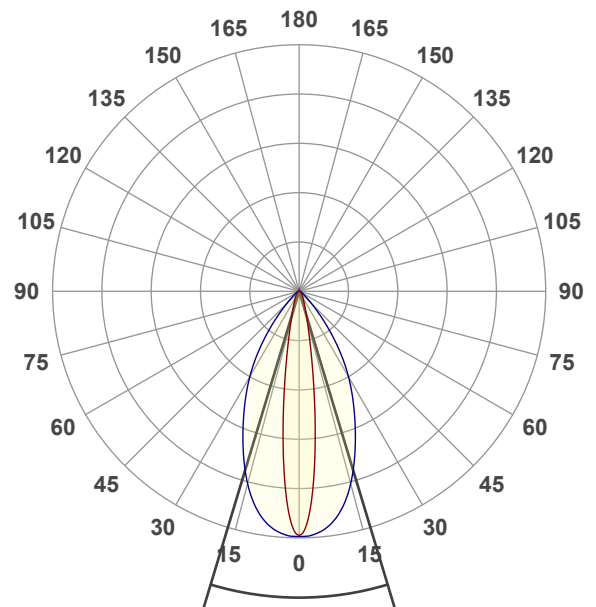
4000K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 11:05:56

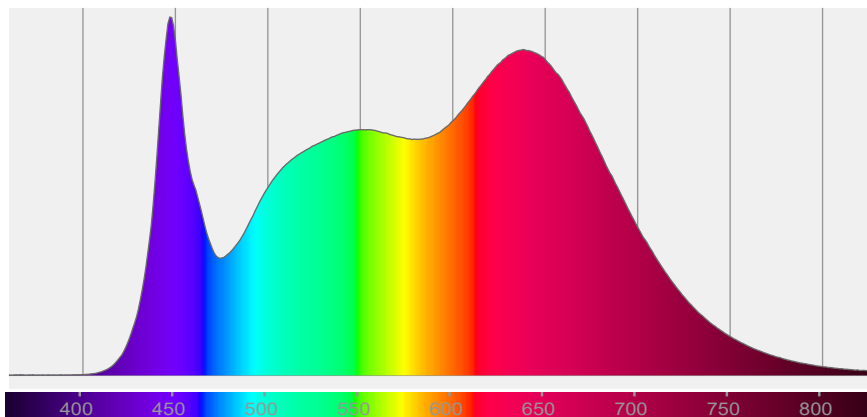


Beam angle 50%: 33,6°

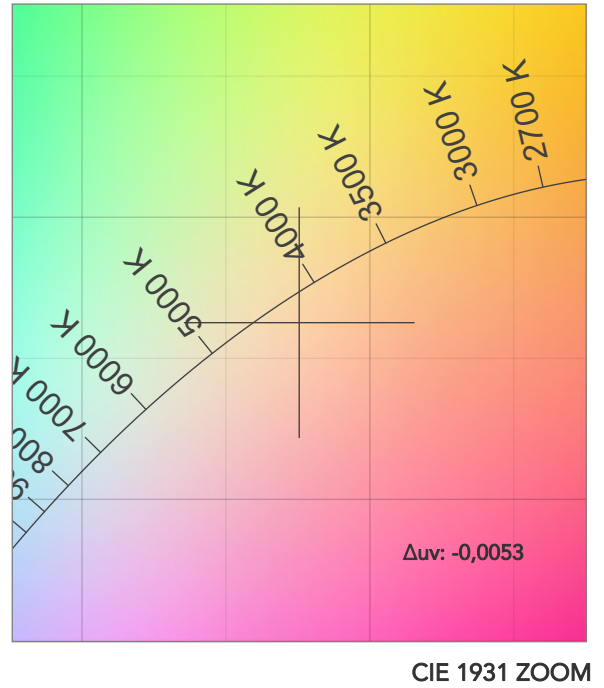
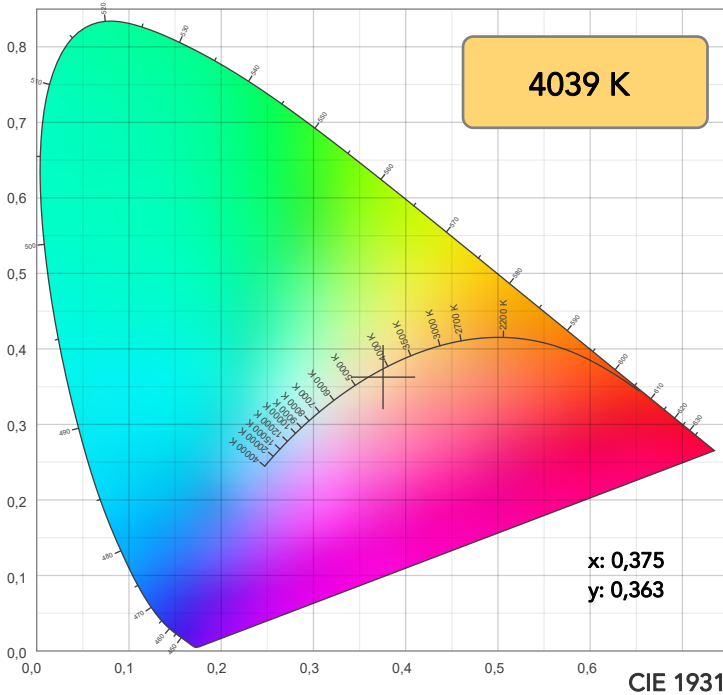
Field angle 10%: 60,1°

Cut off angle 2.5%: 87,8°

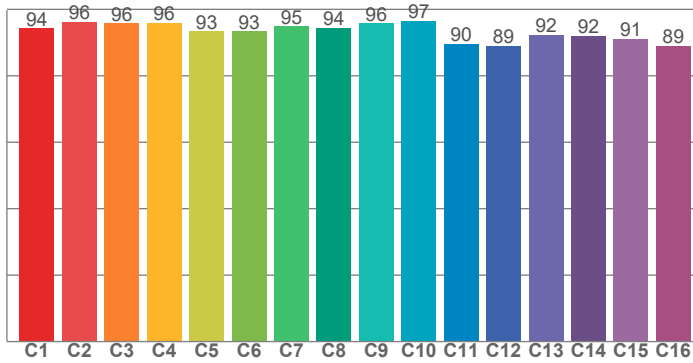
Spectra



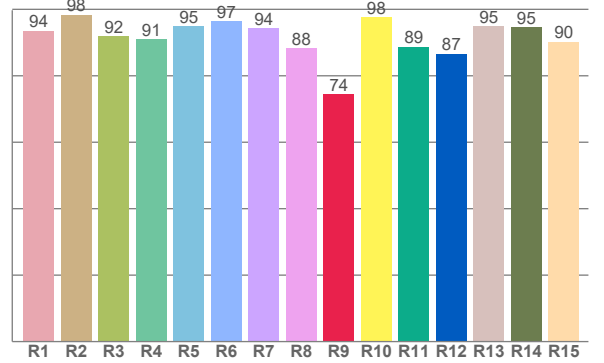
COLOR DETAILS



TM30: 93,5



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
93,5	98,3	91,9	91,0	94,9	96,5	94,3	88,4	74,4	97,6	88,7	86,6	94,9	94,7	90,2

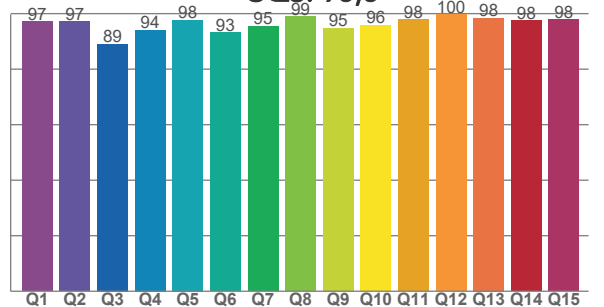
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,1	97,2	89,1	94,2	97,7	93,2	95,5	98,9	94,8	95,8	97,8	99,7	98,4	97,6	97,9

CQS: 95,5



COLOR PARAMETERS

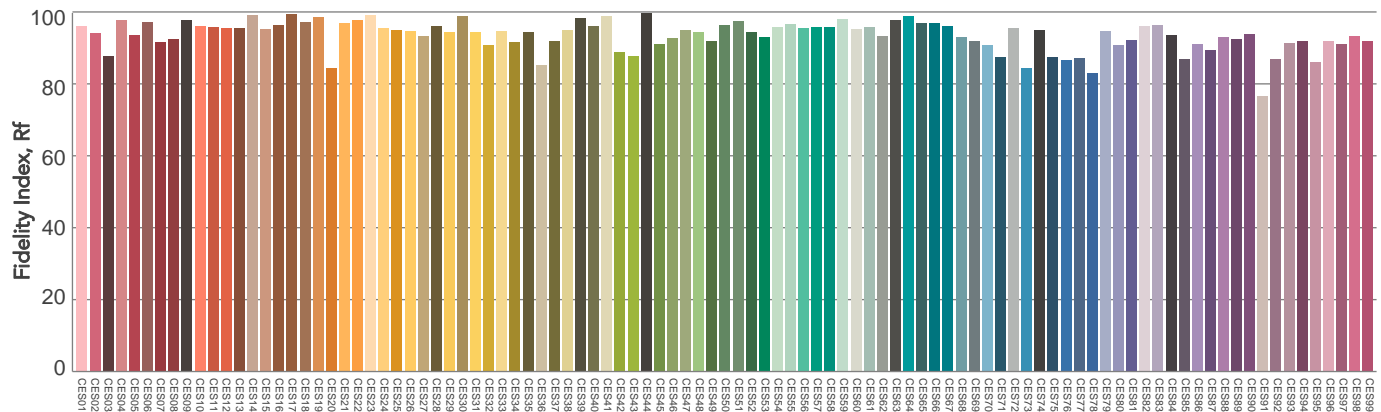
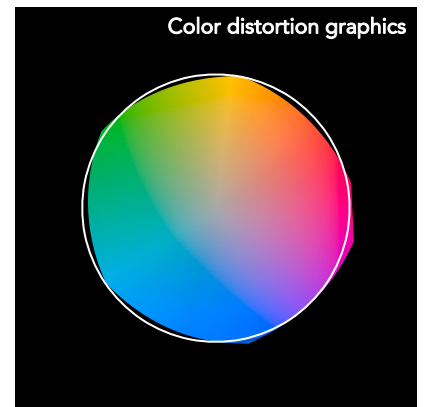
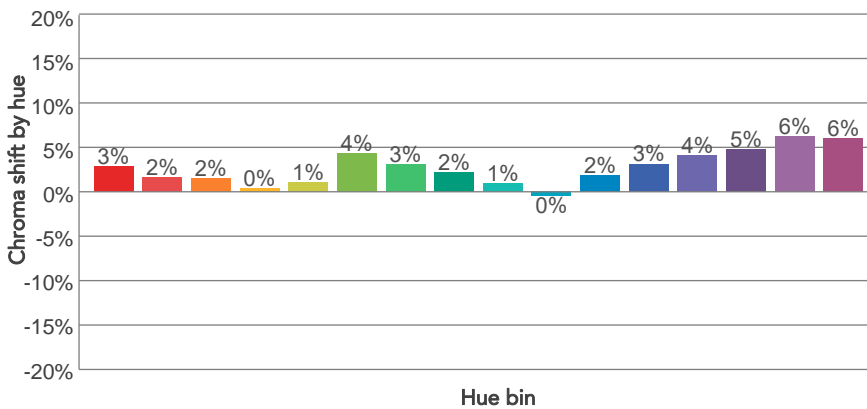
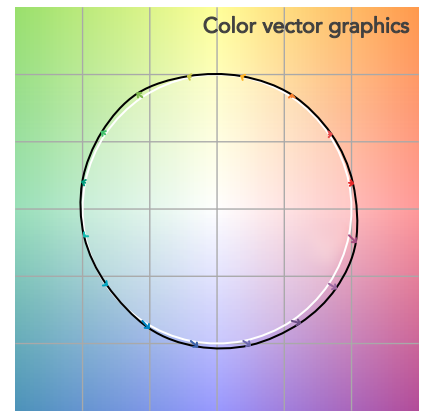
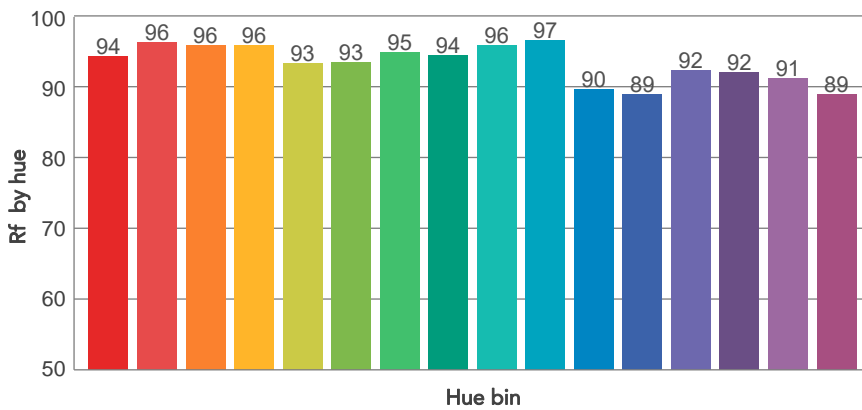
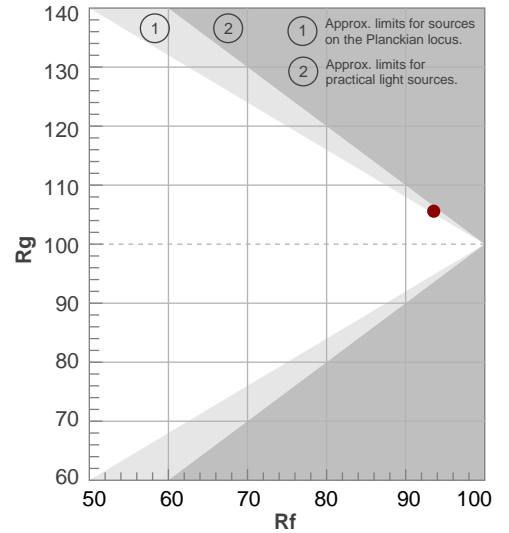
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4039 K	93,6	74,4	93,5	105,6	95,5	97	0,375	0,363	-0,0053

TM30 DETAILS

Rf 93,5
Fidelity index Rf

Rg 105,6
Gammut index

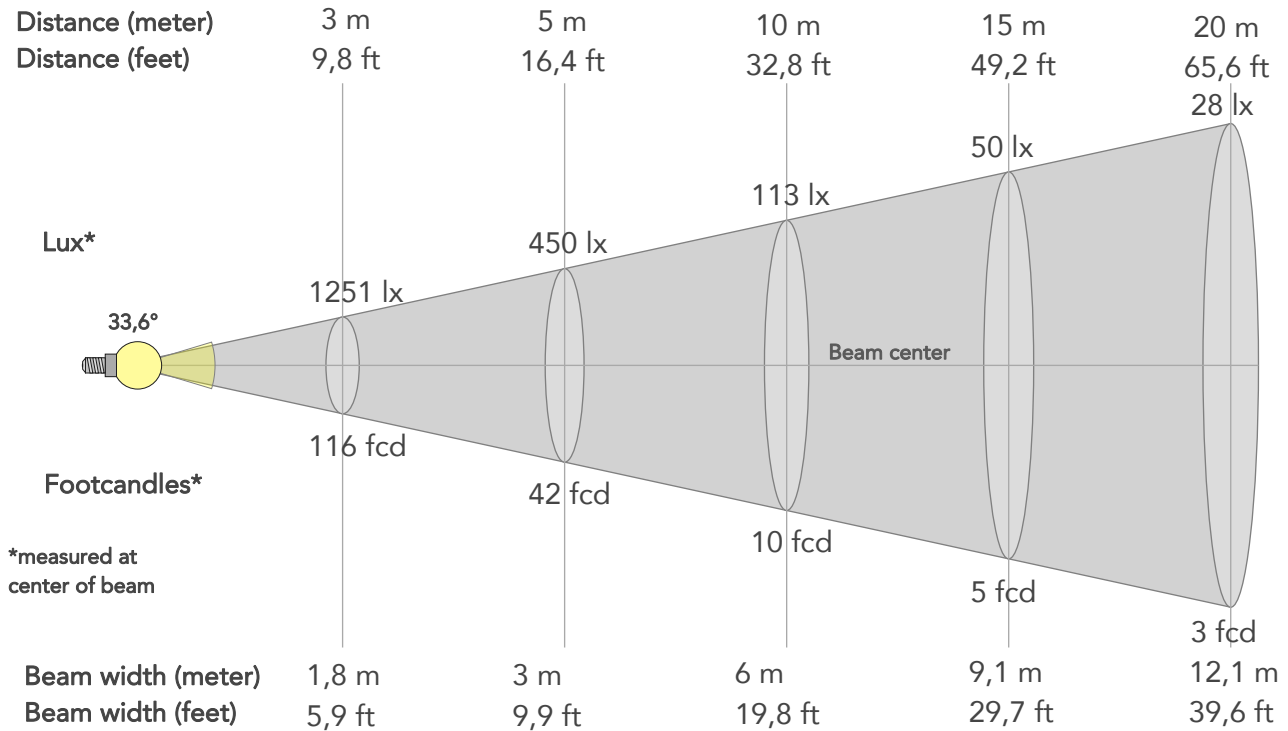
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	3%	-1%
2	96	2%	-1%
3	96	2%	1%
4	96	0%	2%
5	93	1%	2%
6	93	4%	1%
7	95	3%	0%
8	94	2%	0%
9	96	1%	1%
10	97	0%	2%
11	90	2%	7%
12	89	3%	5%
13	92	4%	4%
14	92	5%	4%
15	91	6%	0%
16	89	6%	-4%



BEAM DETAILS



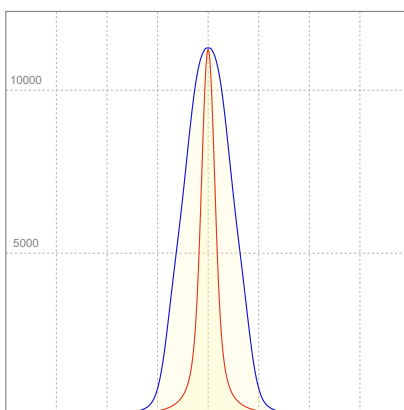
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,6°	60,1°	87,8°	97,2%	91,5%



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	11259lx	2815lx	1251lx	704lx	450lx	200lx	113lx	50lx	28lx	18lx	13lx	7lx	5lx
Footcand.	1046fcd	261fcd	116fcd	65fcd	42fcd	19fcd	10fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9,1m	12,1m	15,1m	18,1m	24,1m	30,2m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,8ft	19,8ft	29,7ft	39,6ft	49,5ft	59,4ft	79,2ft	99ft

LINEAR DISTRIBUTION DIAGRAM

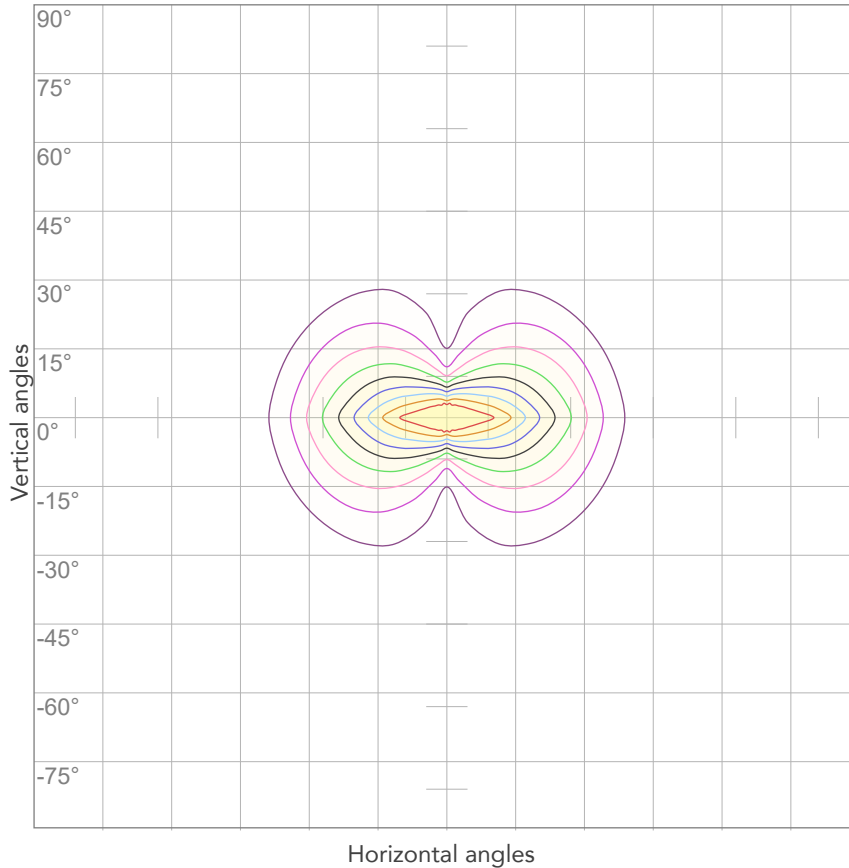


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,385A	79,8W	0,92	70lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



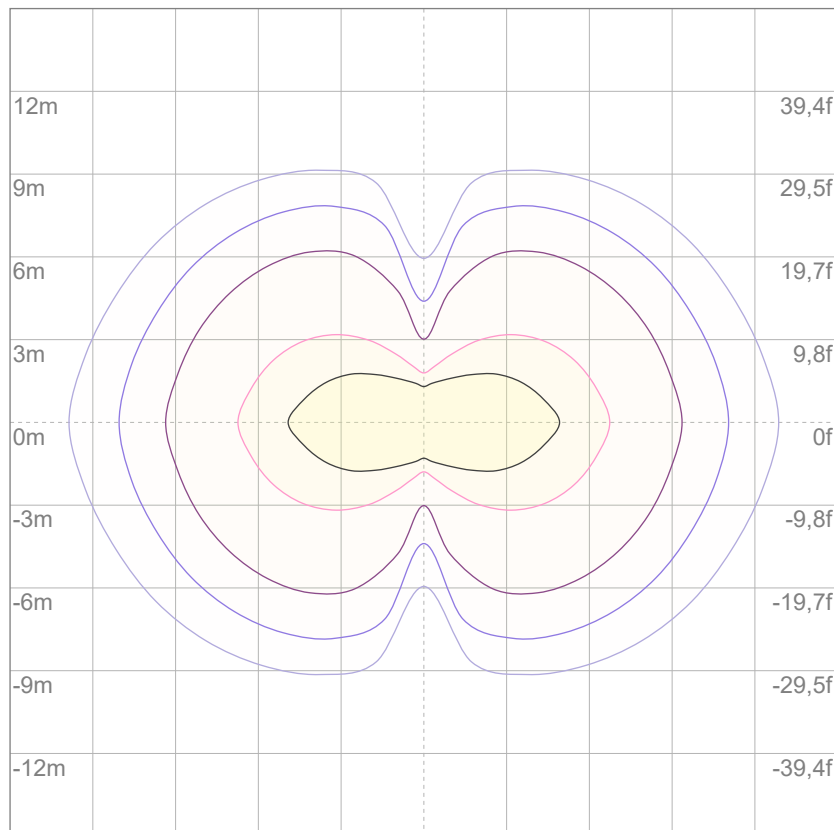
10%	1126 cd
20%	2252 cd
30%	3378 cd
40%	4504 cd
50%	5629 cd
60%	6755 cd
70%	7881 cd
80%	9007 cd

Conditions:

Number of c-planes: 4

Candela at center: 11259 cd

ISO LUX DIAGRAM



3%	3,38 lx
5%	5,63 lx
10%	11,3 lx
30%	33,8 lx
50%	56,3 lx

Conditions:

Number of c-planes: 4

Lux at center: 113 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:

4208 lm

Peak candela output:

5806 cd

Light quality:

CRI: 93,6

Color temperature:

4064 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x60° Filter

Target:

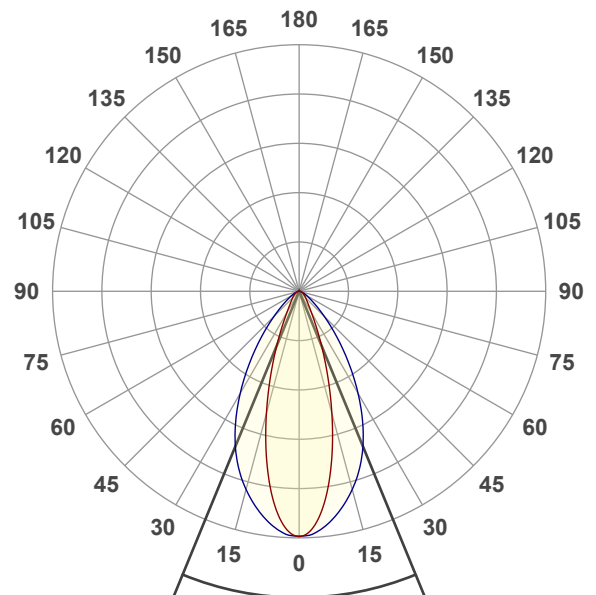
4000K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 11:34:33

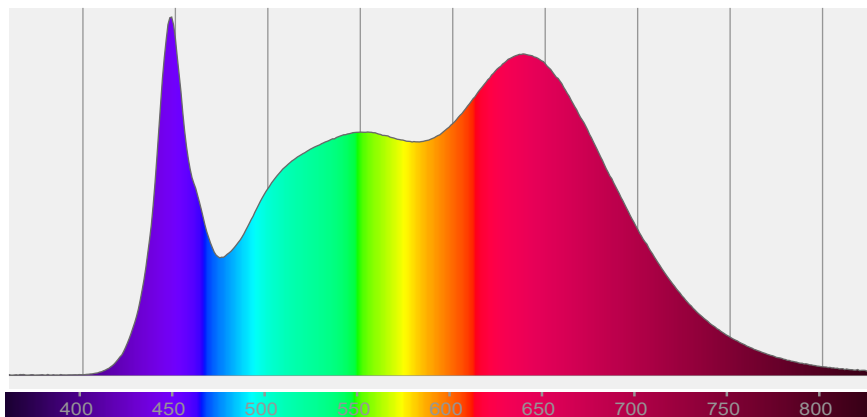


Beam angle 50%: 44,7°

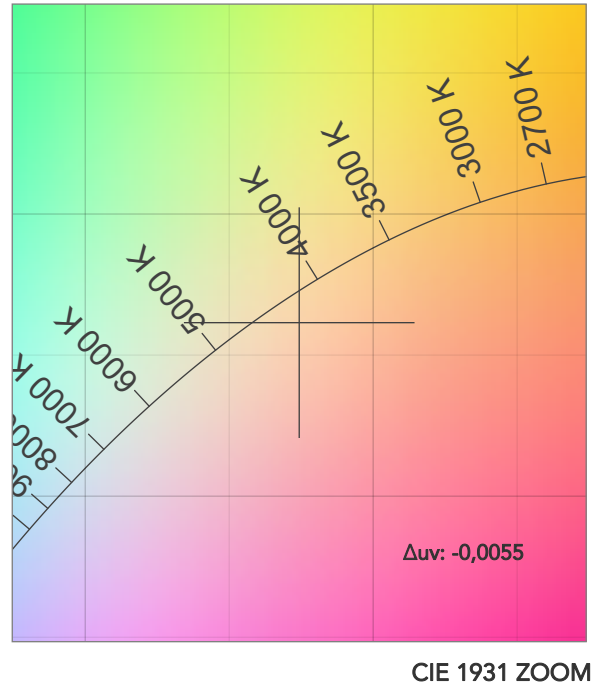
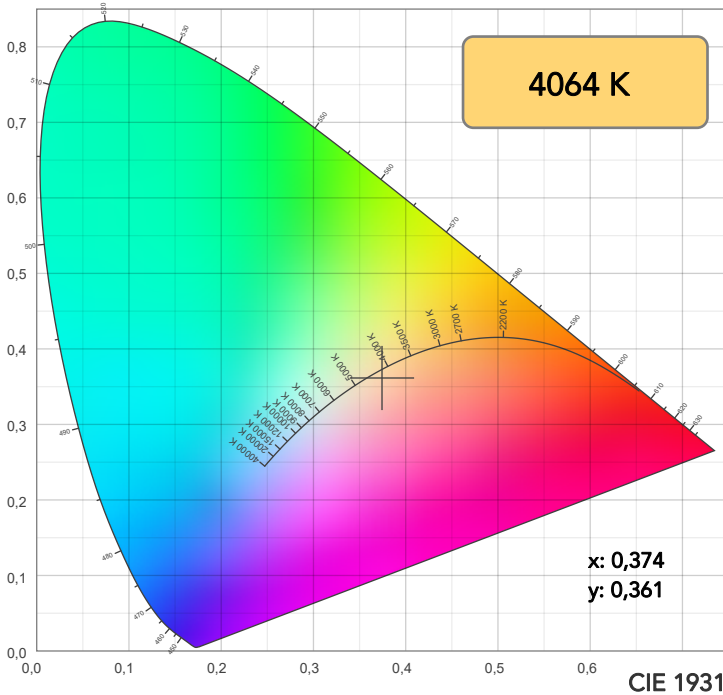
Field angle 10%: 78,9°

Cut off angle 2.5%: 118,6°

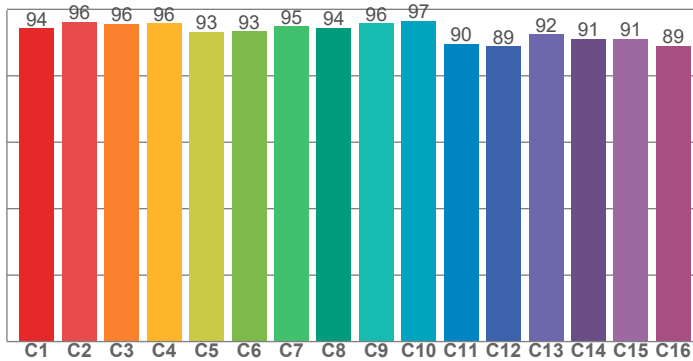
Spectra



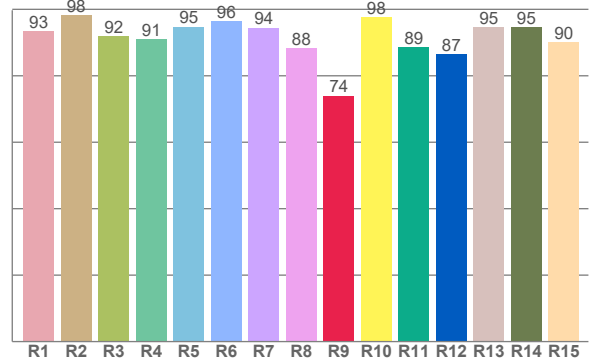
COLOR DETAILS



TM30: 93,5



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
93,4	98,2	92,0	91,0	94,8	96,4	94,4	88,3	74,0	97,6	88,6	86,5	94,7	94,7	90,0

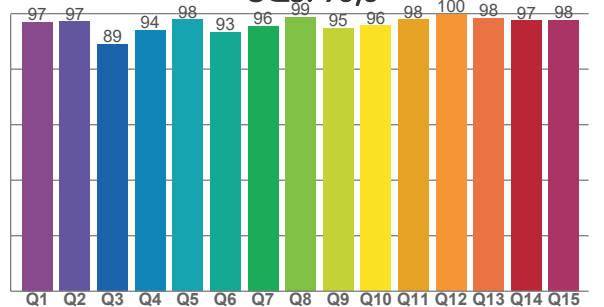
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,0	97,2	89,0	94,1	97,8	93,3	95,5	98,8	94,7	95,8	97,8	99,8	98,4	97,5	97,8

CQS: 95,5



COLOR PARAMETERS

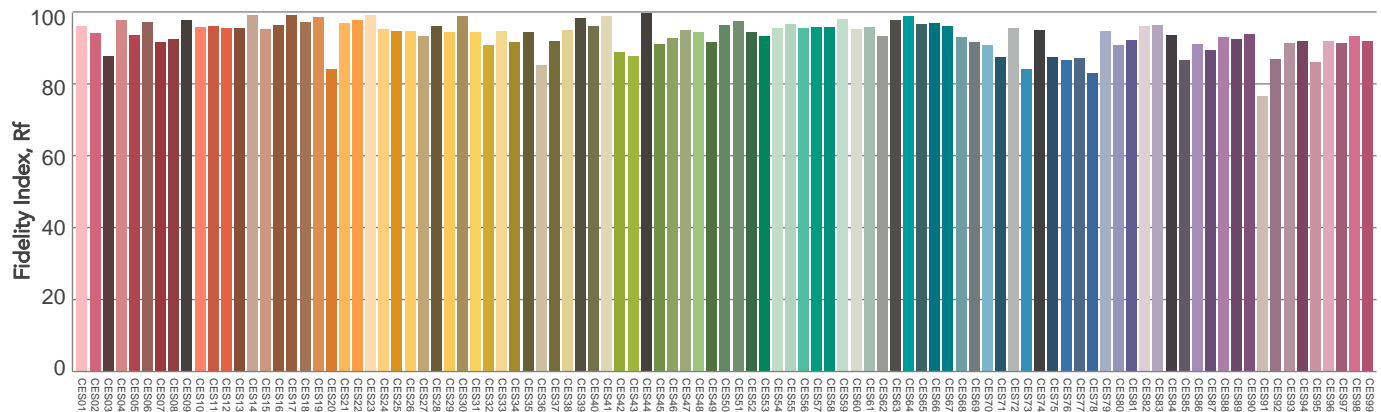
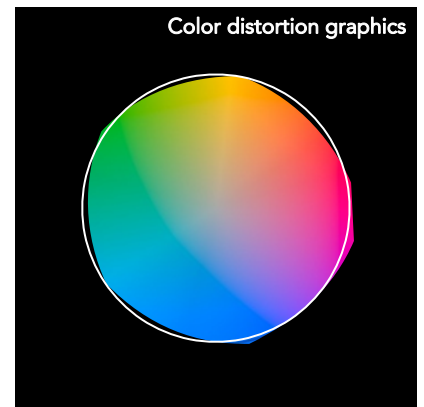
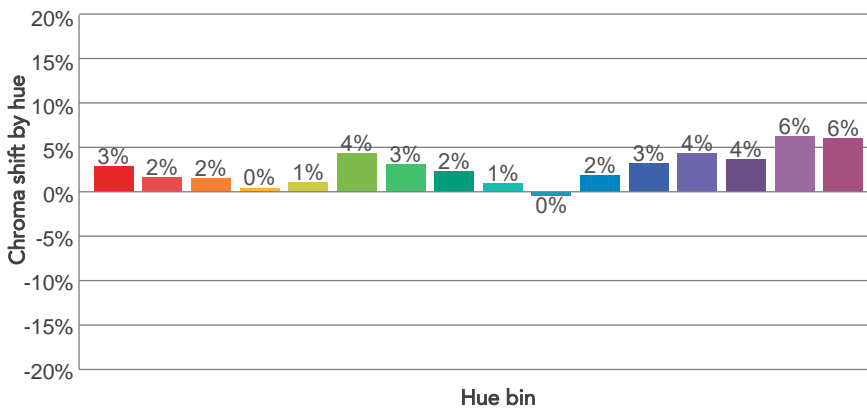
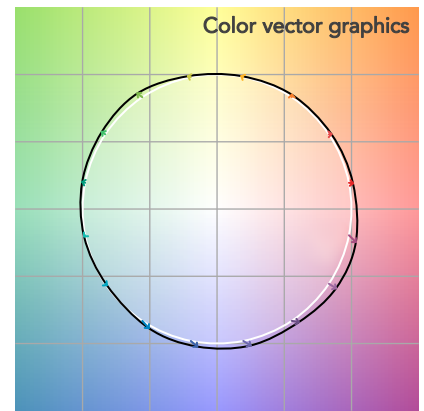
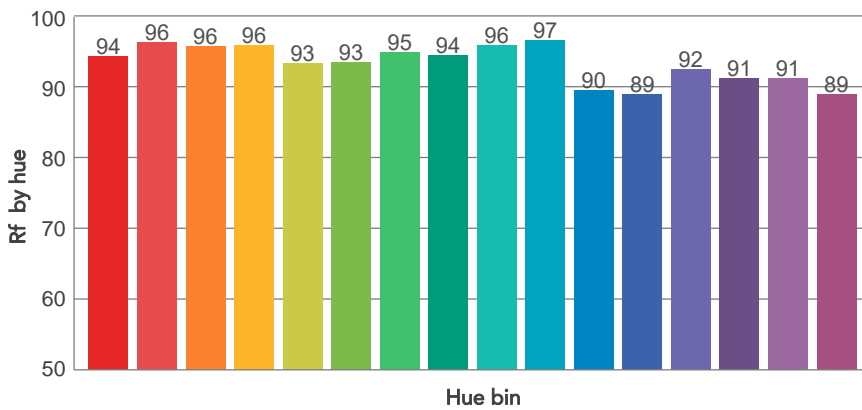
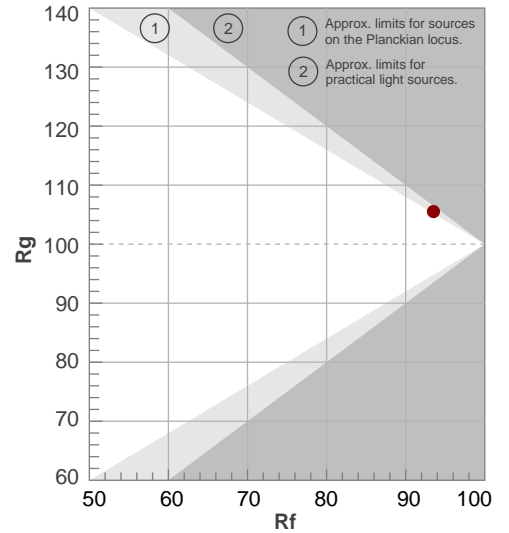
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4064 K	93,6	74,0	93,5	105,5	95,5	97	0,374	0,361	-0,0055

TM30 DETAILS

Rf 93,5
Fidelity index Rf

Rg 105,5
Gammut index

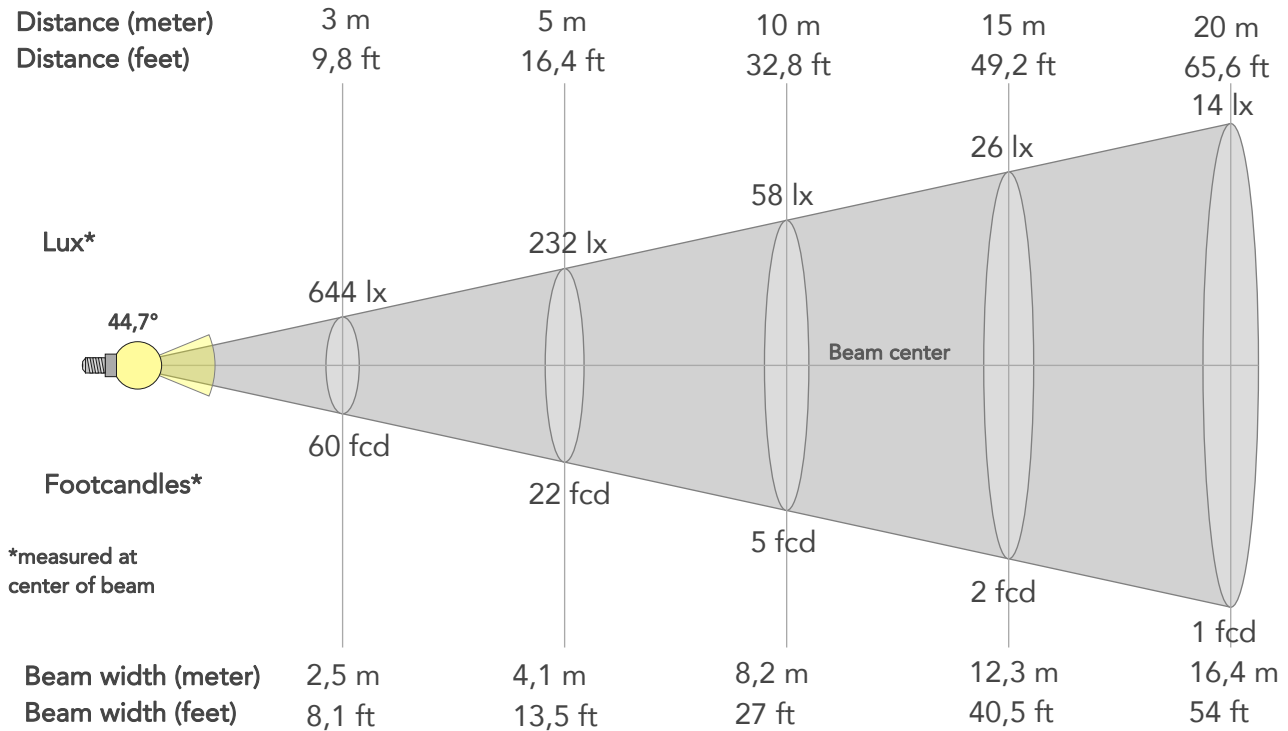
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	3%	-1%
2	96	2%	-1%
3	96	2%	1%
4	96	0%	2%
5	93	1%	2%
6	93	4%	2%
7	95	3%	0%
8	94	2%	0%
9	96	1%	1%
10	97	0%	2%
11	90	2%	7%
12	89	3%	5%
13	92	4%	5%
14	91	4%	4%
15	91	6%	0%
16	89	6%	-4%



BEAM DETAILS



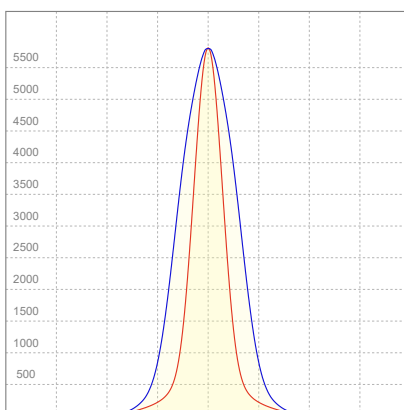
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,7°	78,9°	118,6°	95,8%	86,6%



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	5798lx	1449lx	644lx	362lx	232lx	103lx	58lx	26lx	14lx	9lx	6lx	4lx	2lx
Footcand.	539fcd	135fcd	60fcd	34fcd	22fcd	10fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,3m	16,4m	20,6m	24,7m	32,9m	41,1m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,2ft	27ft	40,5ft	54ft	67,4ft	80,9ft	107,9ft	134,9ft

LINEAR DISTRIBUTION DIAGRAM

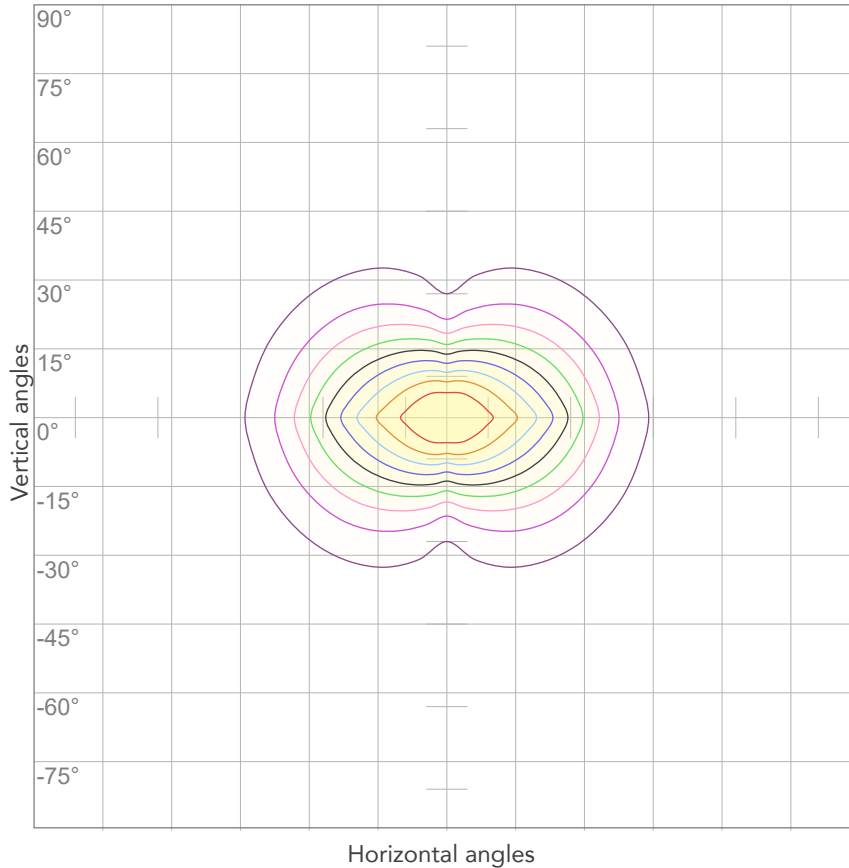


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,385A	79,7W	0,92	53lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



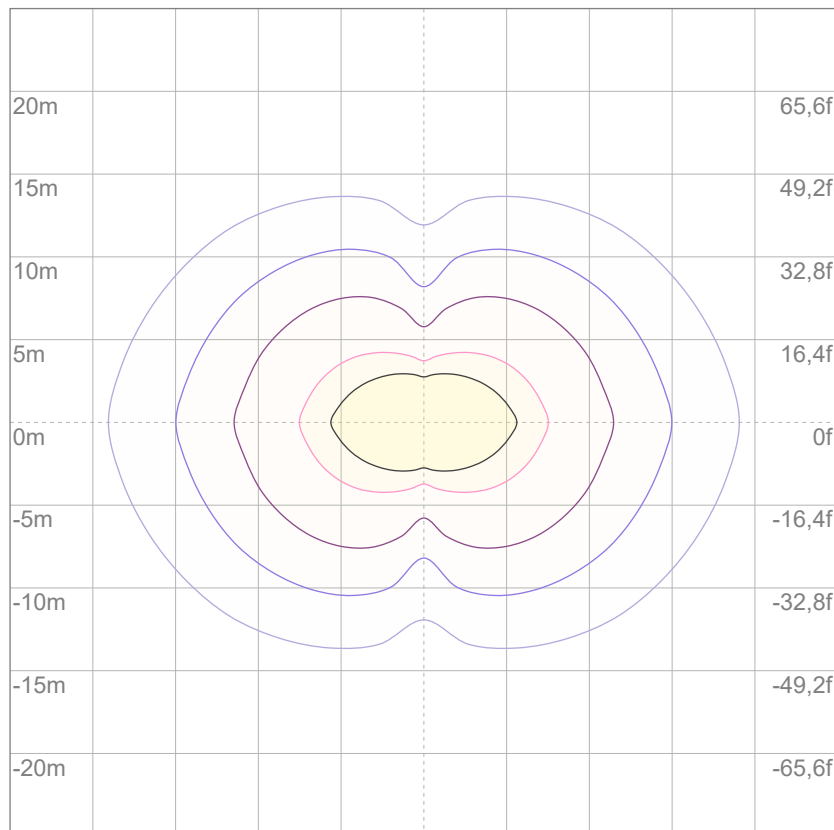
10%	580 cd
20%	1160 cd
30%	1739 cd
40%	2319 cd
50%	2899 cd
60%	3479 cd
70%	4058 cd
80%	4638 cd

Conditions:

Number of c-planes: 4

Candela at center: 5798 cd

ISO LUX DIAGRAM



3%	1,74 lx
5%	2,90 lx
10%	5,80 lx
30%	17,4 lx
50%	29,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 58,0 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:

4756 lm

Peak candela output:

89491 cd

Light quality:

CRI: 94,4

Color temperature:

5635 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

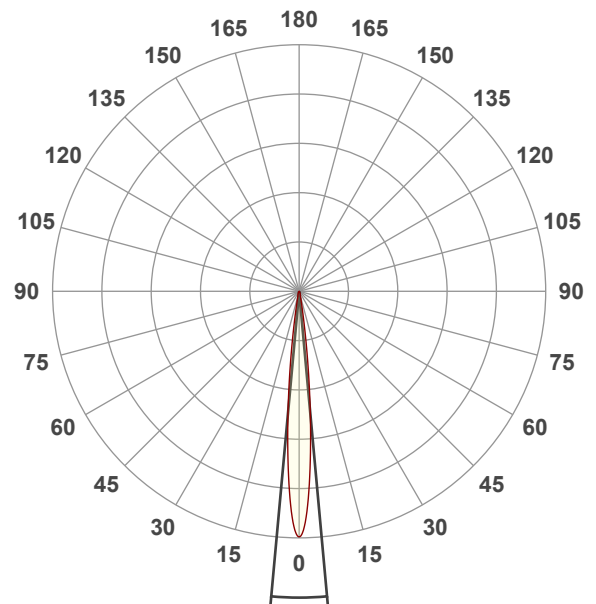
5600K

Operator:

Giacomo Matteo

Date and time:

21/02/2024 15:42:20

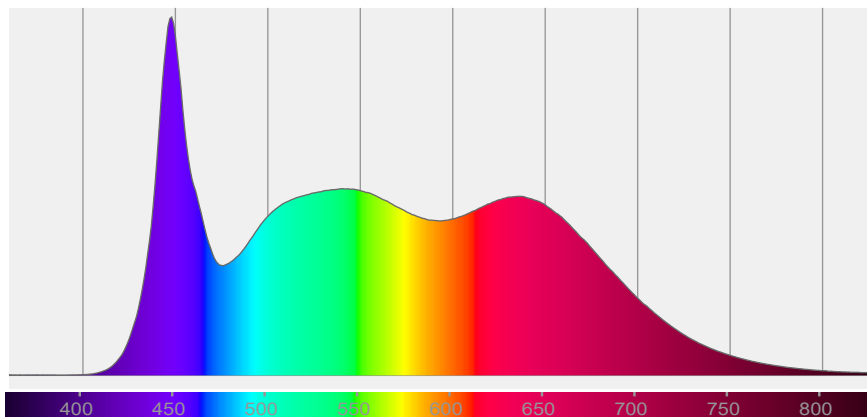


Beam angle 50%: 10,4°

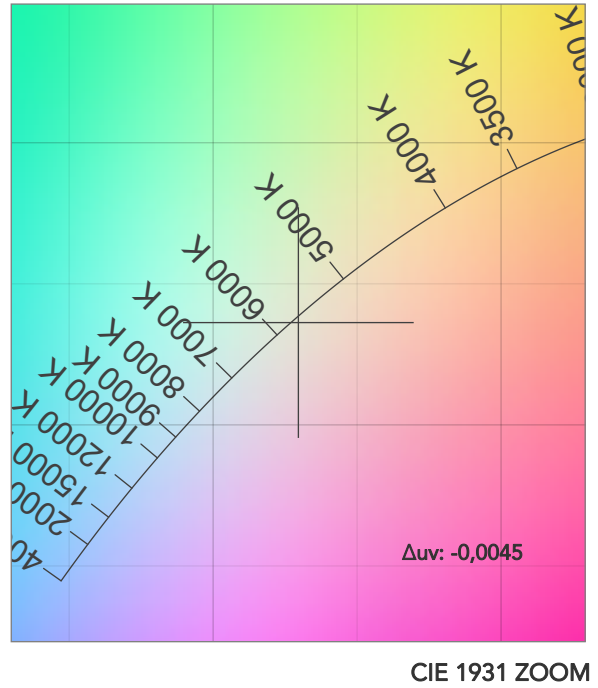
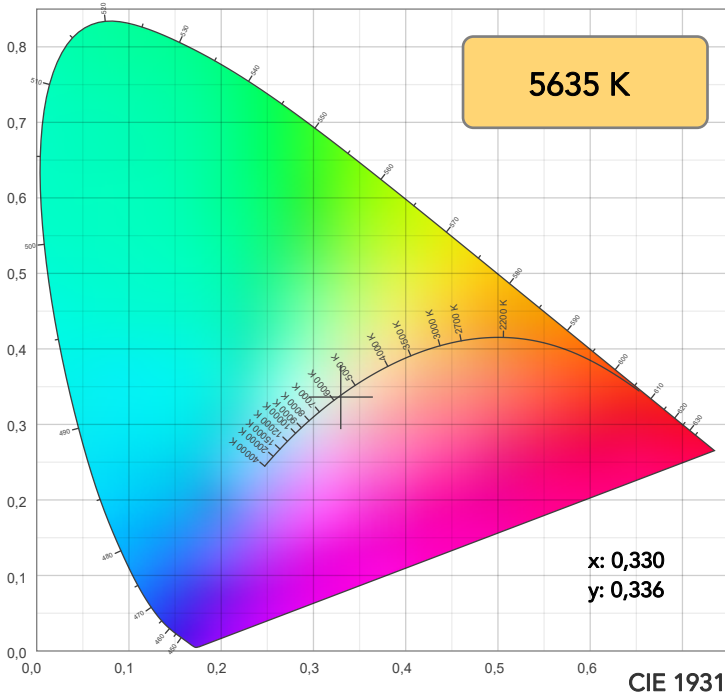
Field angle 10%: 18,7°

Cut off angle 2.5%: 27,2°

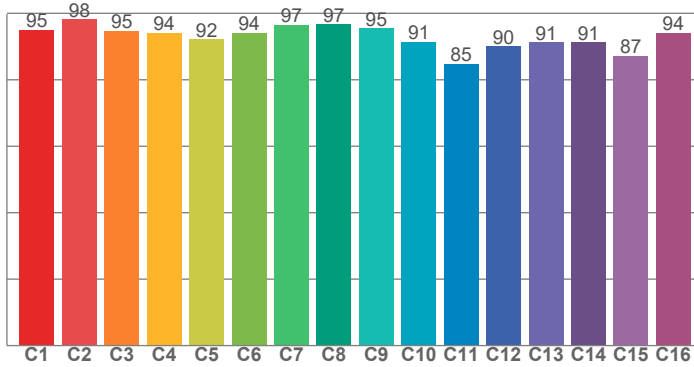
Spectra



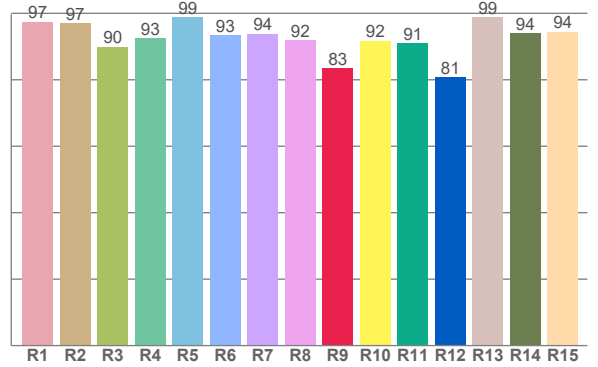
COLOR DETAILS



TM30: 92,9



CRI: 94,4 (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
97,5	97,0	90,0	92,6	98,8	93,5	93,8	91,9	83,5	91,8	91,0	80,8	98,7	94,1	94,5

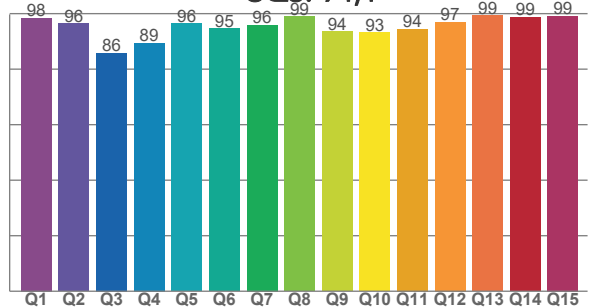
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,0	98,2	94,7	94,1	92,1	94,1	96,5	96,7	95,5	91,4	84,9	90,1	91,3	91,2	87,3	94,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,4	96,4	85,9	89,5	96,4	94,6	95,9	98,9	93,6	93,1	94,4	97,0	99,3	98,7	99,1

CQS: 94,1



COLOR PARAMETERS

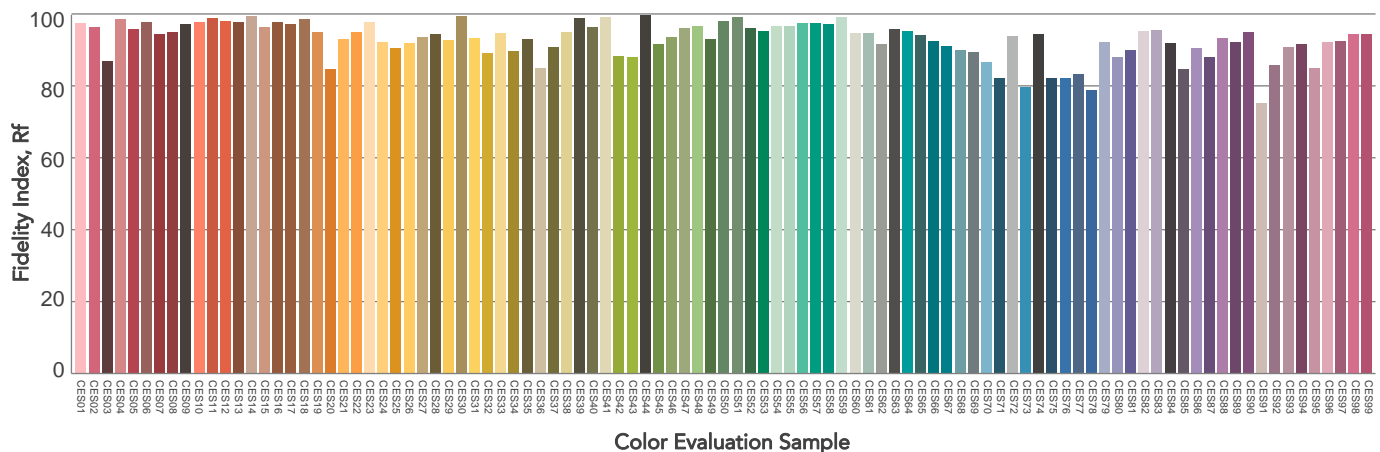
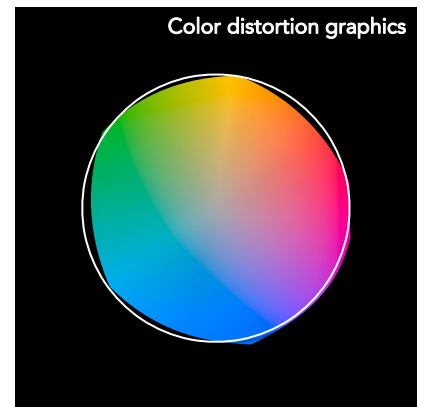
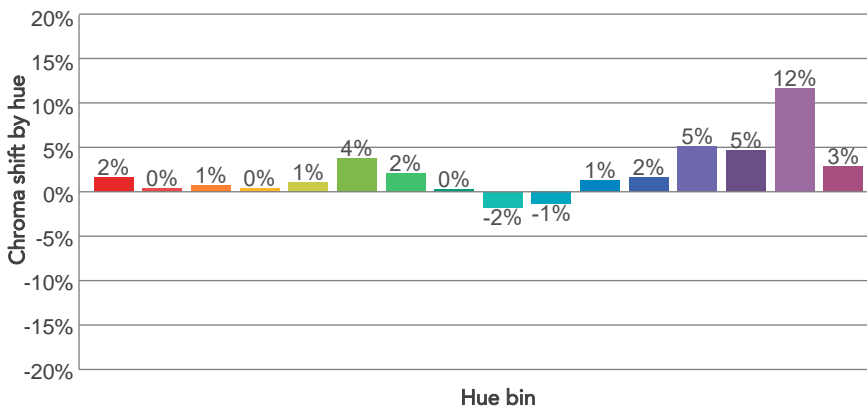
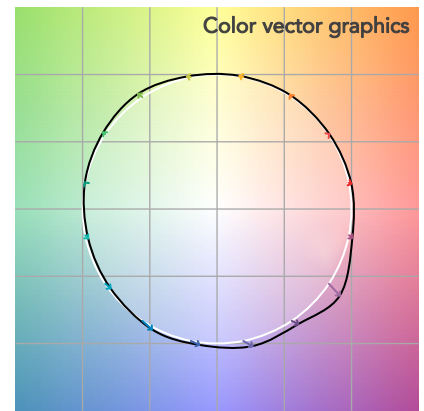
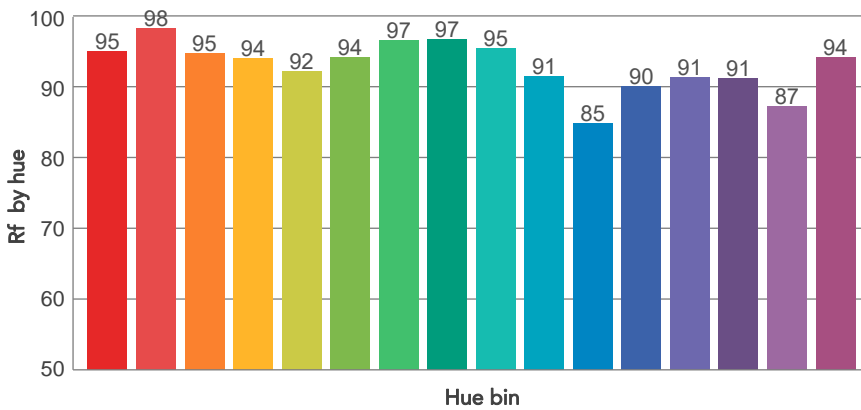
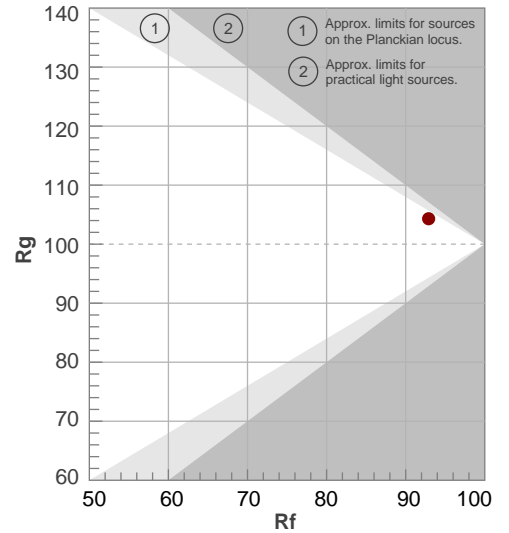
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5635 K	94,4	83,5	92,9	104,3	94,1	98	0,330	0,336	-0,0045

TM30 DETAILS

Rf 92,9
Fidelity index Rf

Rg 104,3
Gammut index

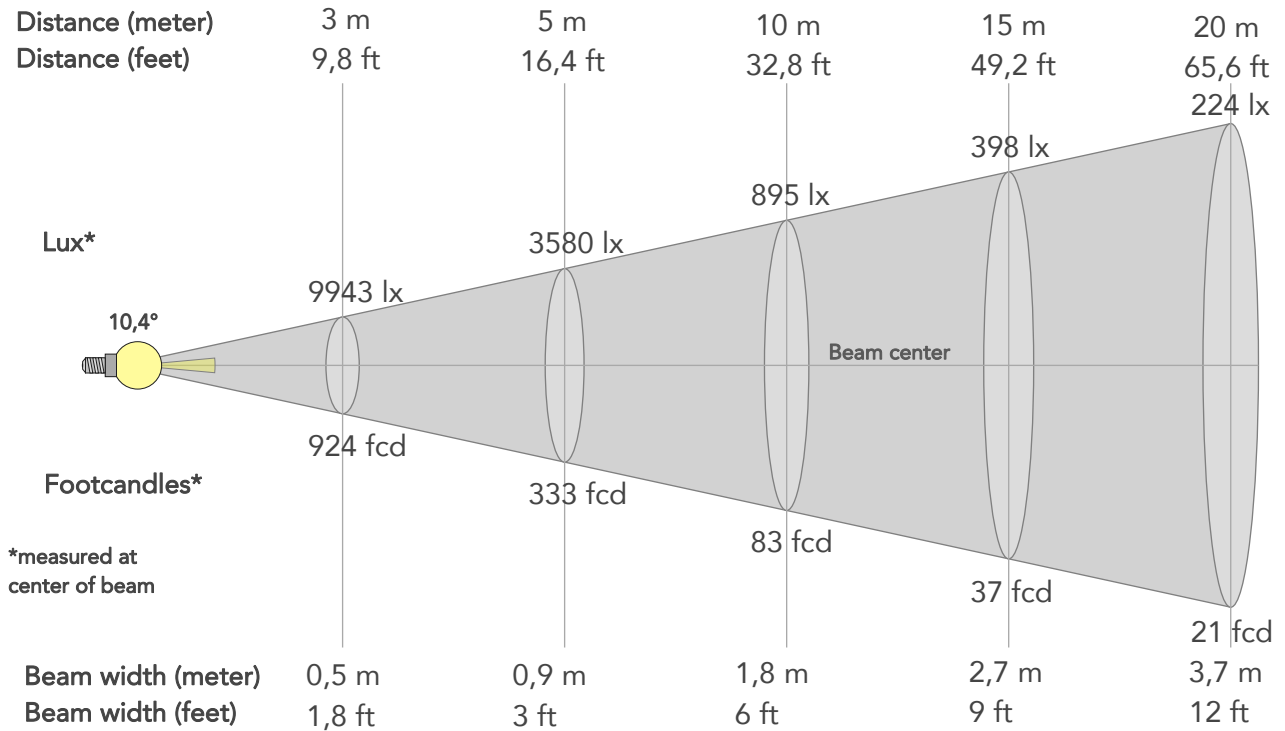
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	98	0%	0%
3	95	1%	2%
4	94	0%	3%
5	92	1%	3%
6	94	4%	1%
7	97	2%	0%
8	97	0%	0%
9	95	-2%	3%
10	91	-1%	5%
11	85	1%	9%
12	90	2%	7%
13	91	5%	6%
14	91	5%	3%
15	87	12%	-3%
16	94	3%	-2%



BEAM DETAILS



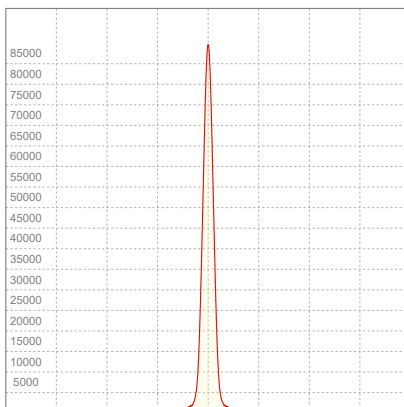
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,4°	18,7°	27,2°	95,8%	91,8%



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	89491lx	22373lx	9943lx	5593lx	3580lx	1591lx	895lx	398lx	224lx	143lx	99lx	56lx	36lx
Footcand.	8314fcd	2079fcd	924fcd	520fcd	333fcd	148fcd	83fcd	37fcd	21fcd	13fcd	9fcd	5fcd	3fcd
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	9,1m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	6ft	9ft	12ft	15ft	18ft	24ft	30ft

LINEAR DISTRIBUTION DIAGRAM

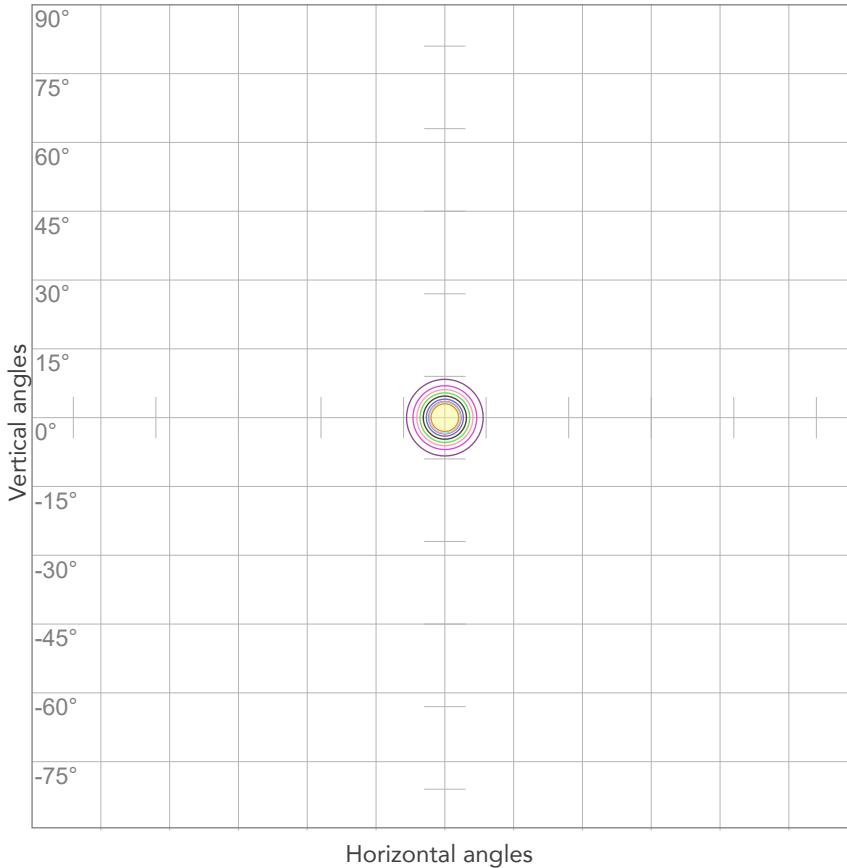


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,387A	80,3W	0,92	59lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



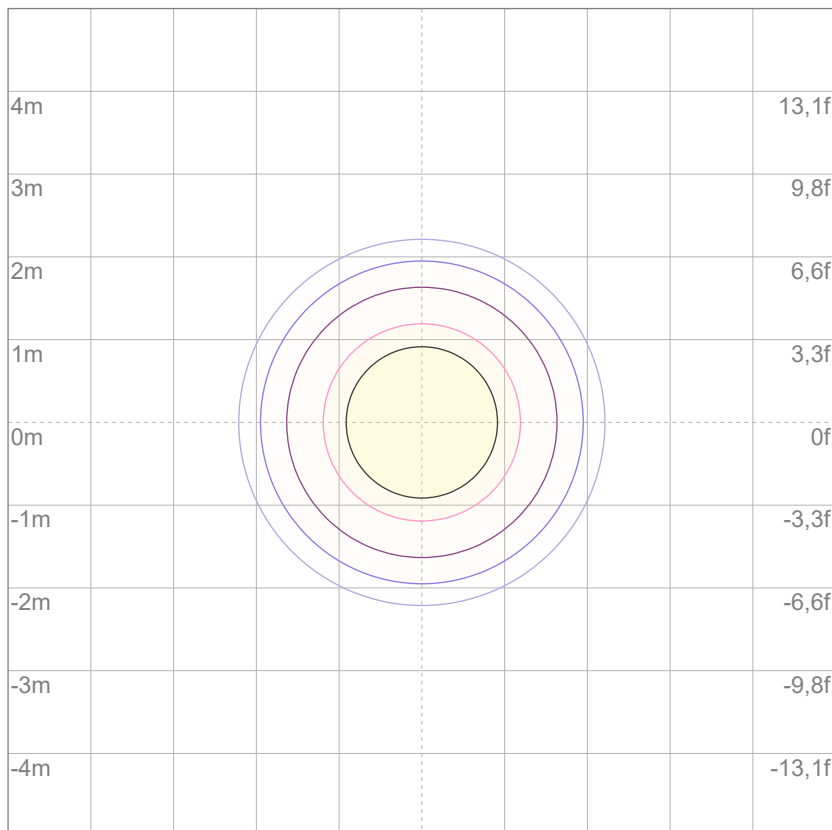
10%	8949 cd
20%	17898 cd
30%	26847 cd
40%	35797 cd
50%	44746 cd
60%	53695 cd
70%	62644 cd
80%	71593 cd

Conditions:

Number of c-planes: 2

Candela at center: 89491 cd

ISO LUX DIAGRAM



3%	26,8 lx
5%	44,7 lx
10%	89,5 lx
30%	268 lx
50%	447 lx

Conditions:

Number of c-planes: 2

Lux at center: 895 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:

4429 lm

Peak candela output:

16972 cd

Light quality:

CRI: 94,4

Color temperature:

5625 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

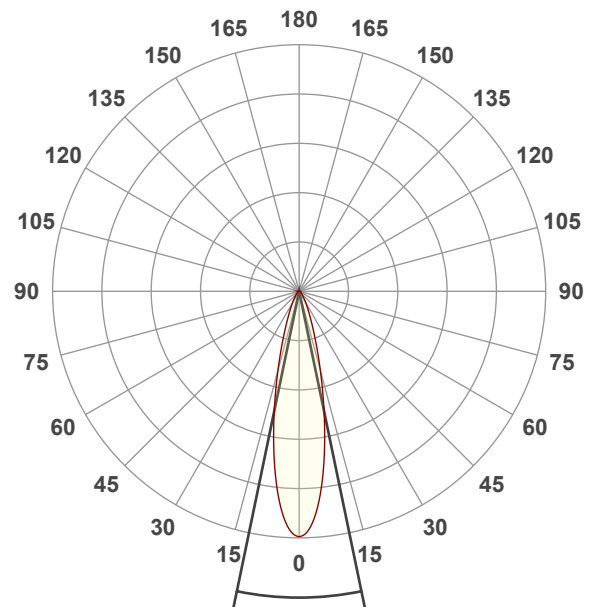
5600K

Operator:

Giacomo Matteo

Date and time:

21/02/2024 16:11:28

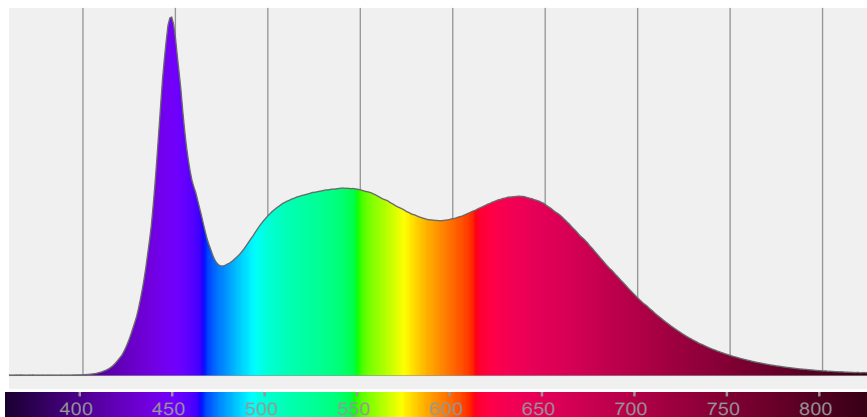


Beam angle 50%: 23,5°

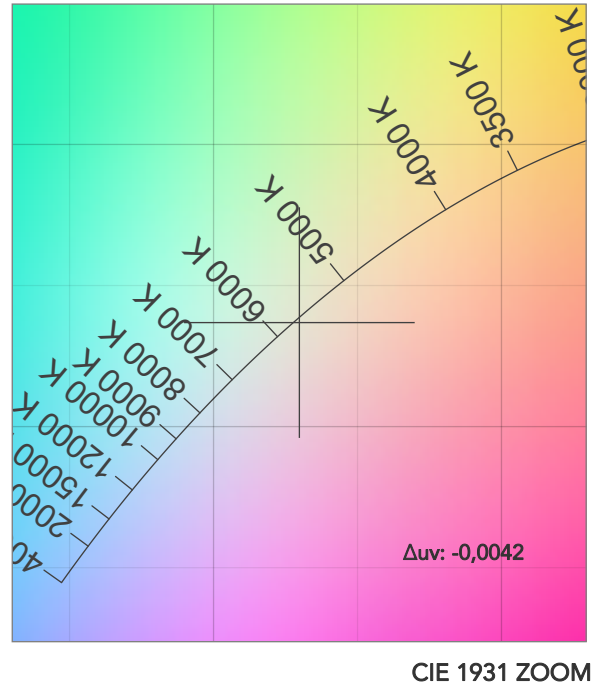
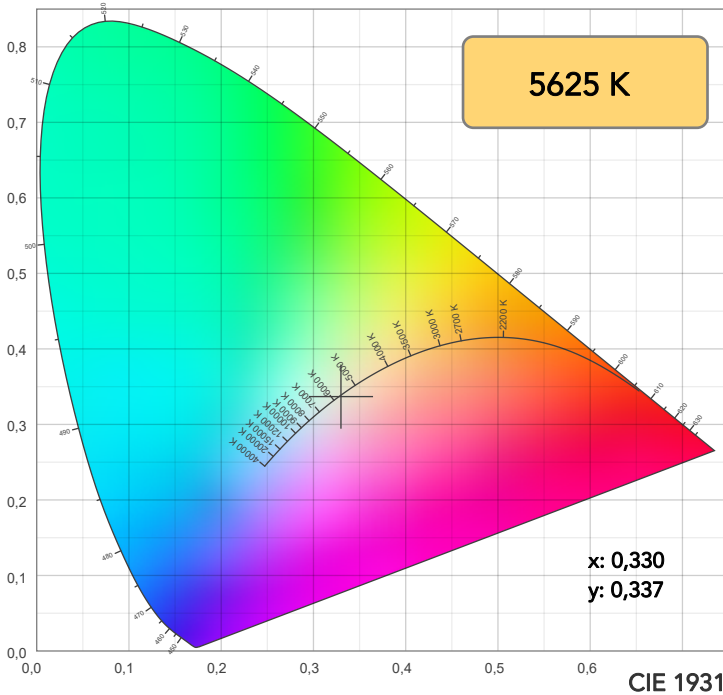
Field angle 10%: 48,5°

Cut off angle 2.5%: 76,4°

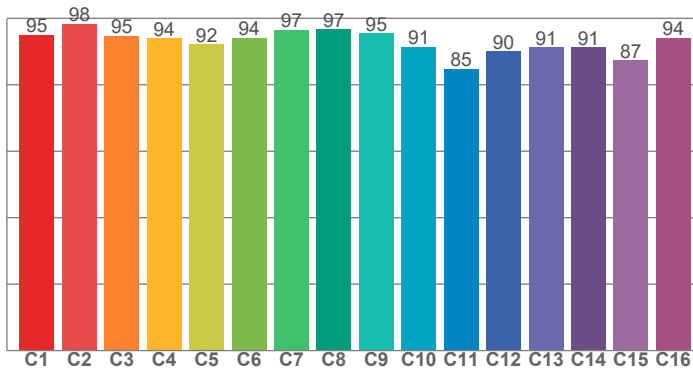
Spectra



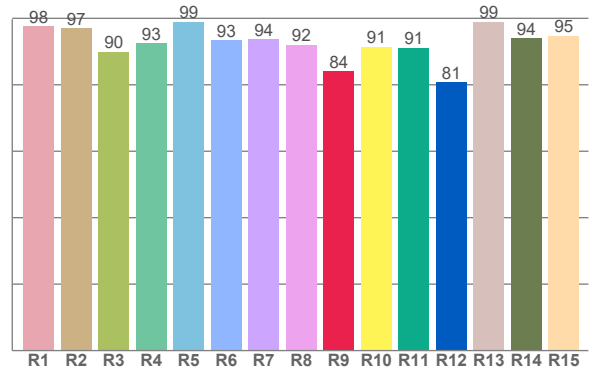
COLOR DETAILS



TM30: 92,9



CRI: 94,4 (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
97,7	96,9	89,9	92,6	99,0	93,4	93,8	92,1	84,1	91,5	91,1	80,7	99,0	94,0	94,8

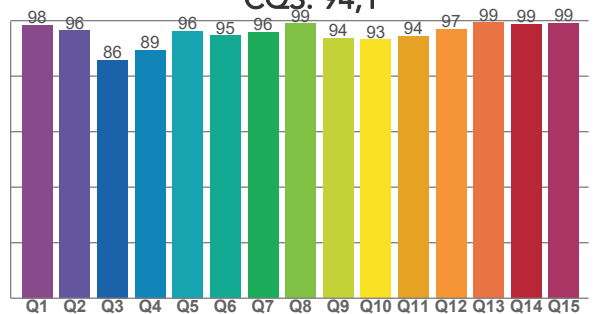
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,0	98,3	94,7	94,0	92,1	94,1	96,6	96,7	95,5	91,4	84,8	90,1	91,3	91,2	87,3	94,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,4	96,4	85,9	89,5	96,3	94,6	95,8	98,9	93,6	93,1	94,4	97,0	99,4	98,8	99,2

CQS: 94,1



COLOR PARAMETERS

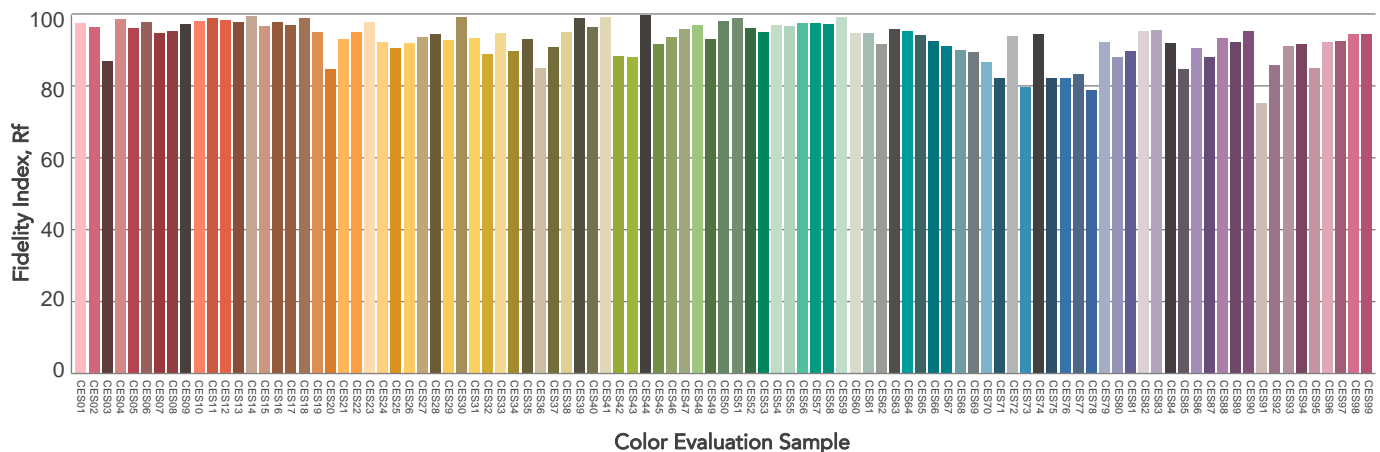
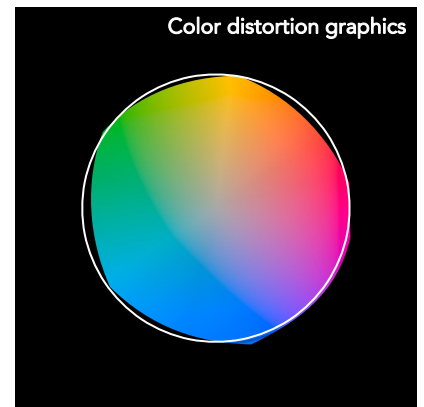
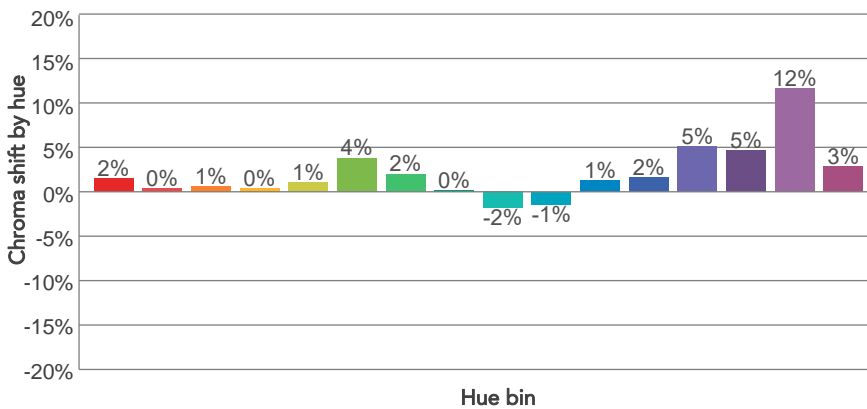
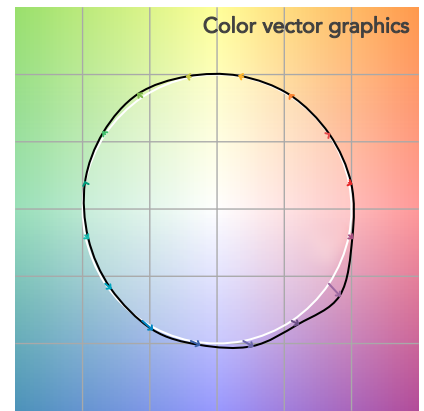
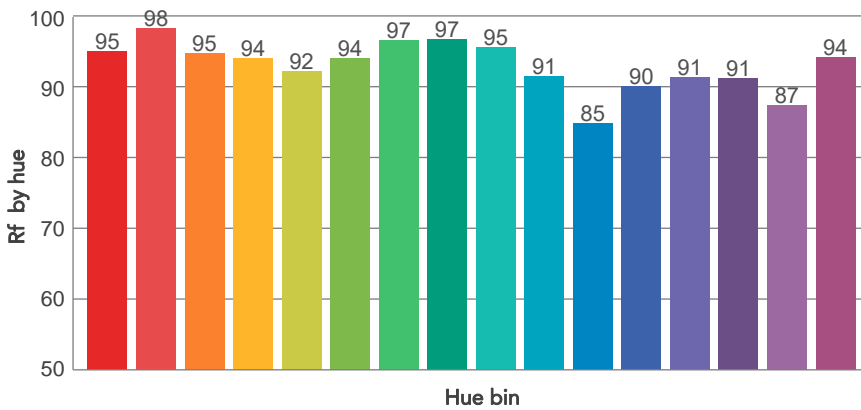
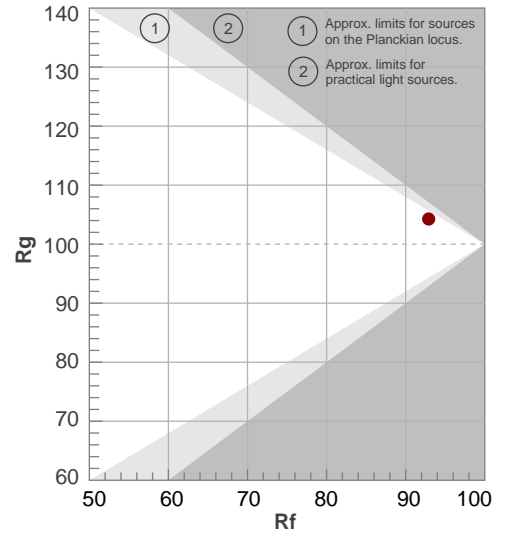
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5625 K	94,4	84,1	92,9	104,3	94,1	98	0,330	0,337	-0,0042

TM30 DETAILS

Rf 92,9
Fidelity index Rf

Rg 104,3
Gammut index

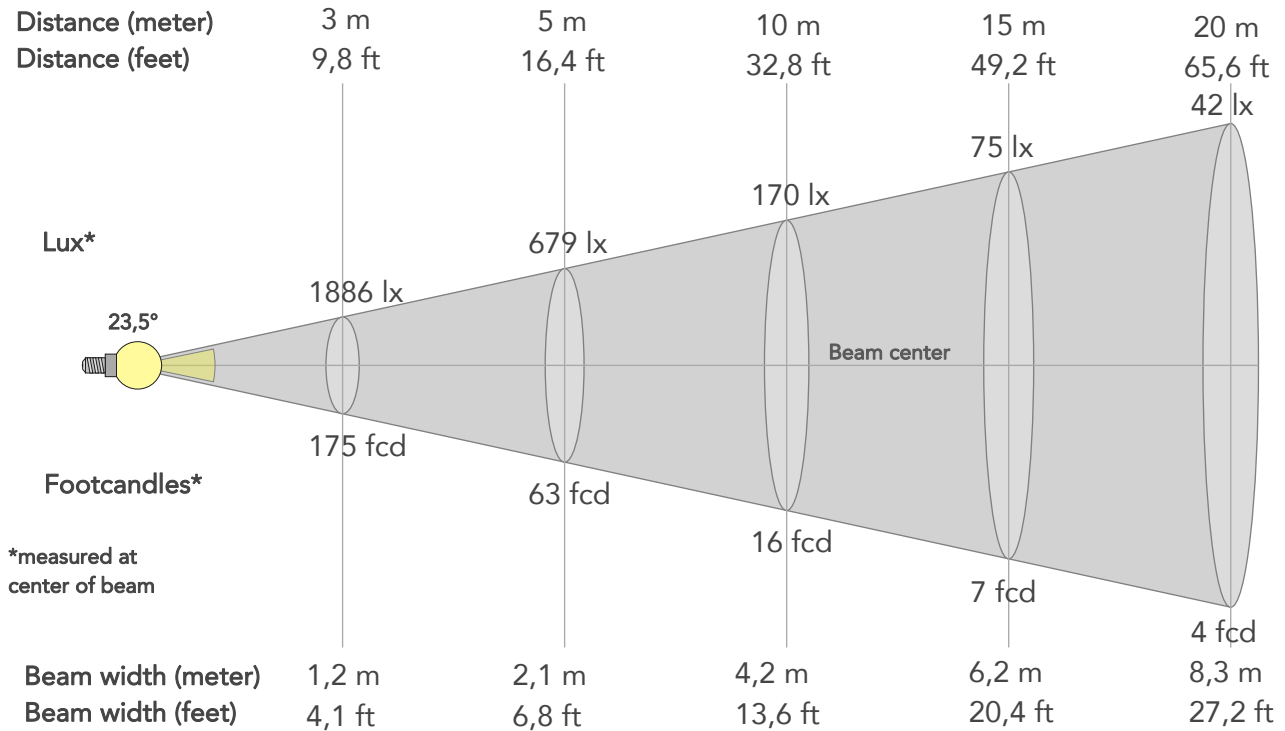
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	98	0%	0%
3	95	1%	2%
4	94	0%	3%
5	92	1%	3%
6	94	4%	1%
7	97	2%	0%
8	97	0%	0%
9	95	-2%	3%
10	91	-1%	5%
11	85	1%	10%
12	90	2%	7%
13	91	5%	6%
14	91	5%	3%
15	87	12%	-3%
16	94	3%	-2%



BEAM DETAILS



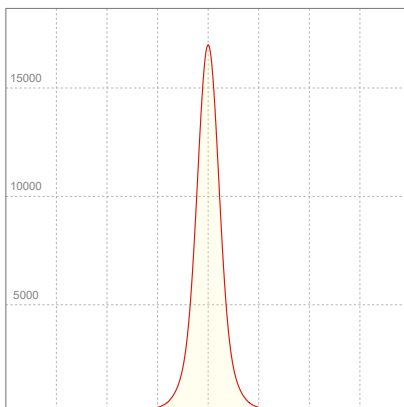
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,5°	48,5°	76,4°	97,0%	91,9%



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	16972lx	4243lx	1886lx	1061lx	679lx	302lx	170lx	75lx	42lx	27lx	19lx	11lx	7lx
Footcand.	1577fcd	394fcd	175fcd	99fcd	63fcd	28fcd	16fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,2m	6,2m	8,3m	10,4m	12,5m	16,6m	20,8m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34,1ft	40,9ft	54,5ft	68,1ft

LINEAR DISTRIBUTION DIAGRAM

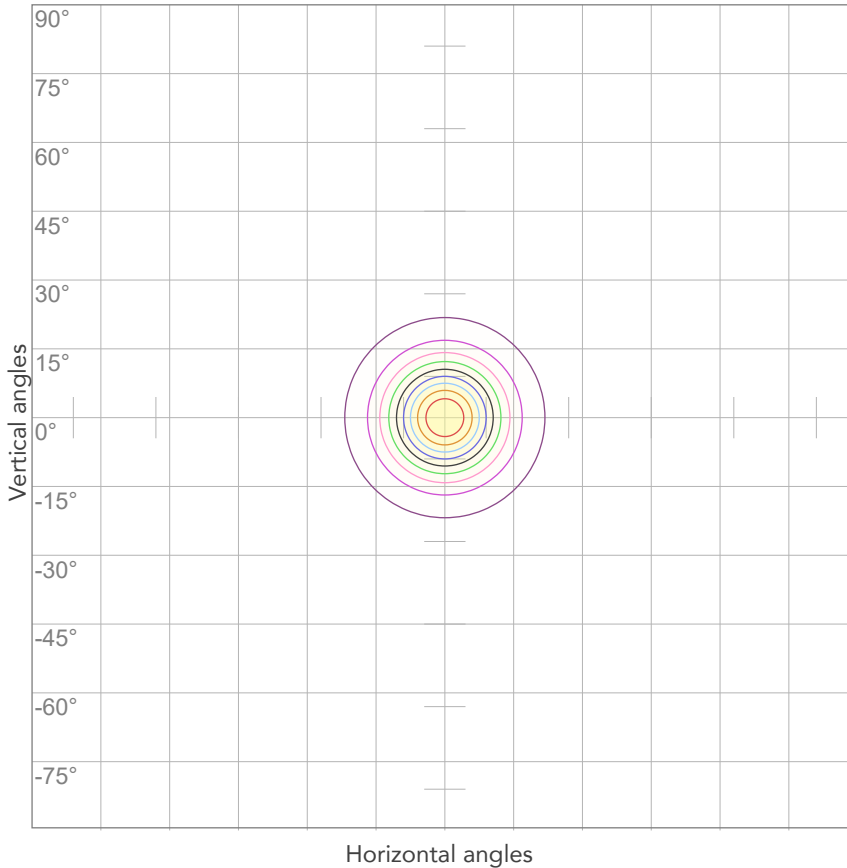


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,490A	91,1W	0,82	49lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



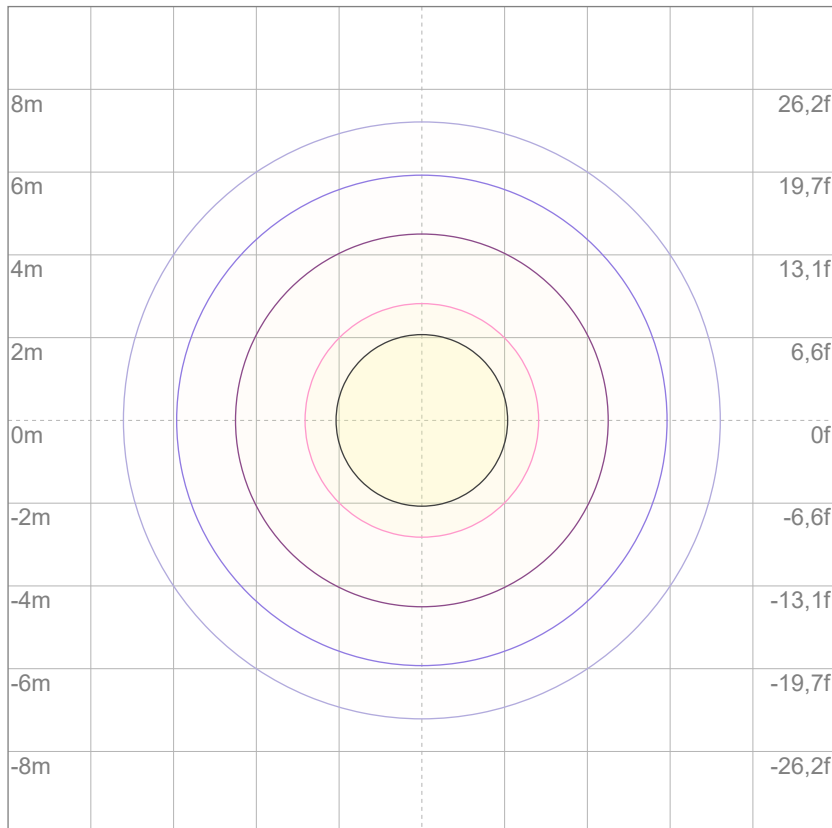
10%	1697 cd
20%	3394 cd
30%	5092 cd
40%	6789 cd
50%	8486 cd
60%	10183 cd
70%	11880 cd
80%	13578 cd

Conditions:

Number of c-planes: 2

Candela at center: 16972 cd

ISO LUX DIAGRAM



3%	5,09 lx
5%	8,49 lx
10%	17,0 lx
30%	50,9 lx
50%	84,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 170 lx

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



Total lumen output:

4198 lm

Peak candela output:

5491 cd

Light quality:

CRI: 94,4

Color temperature:

5653 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

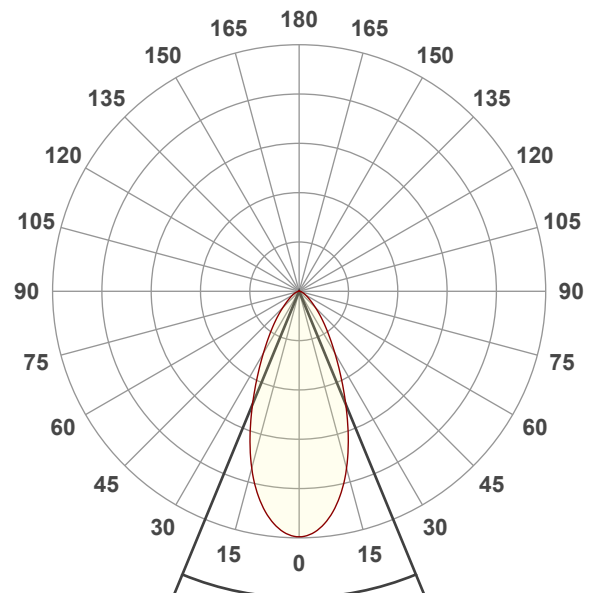
5600K

Operator:

Giacomo Matteo

Date and time:

21/02/2024 16:41:57

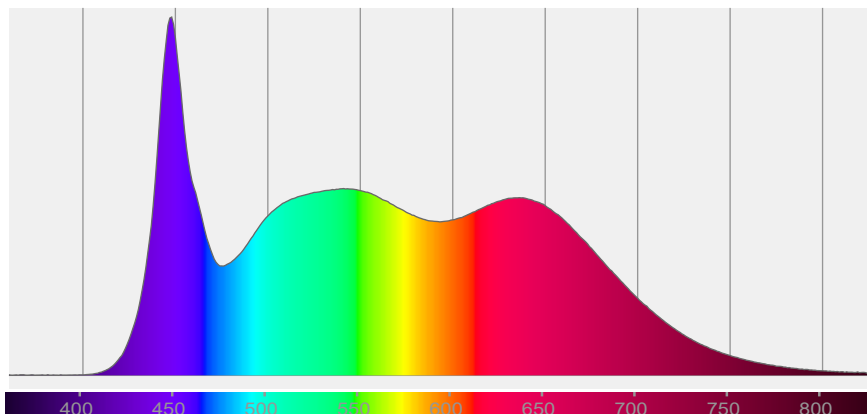


Beam angle 50%: 44,8°

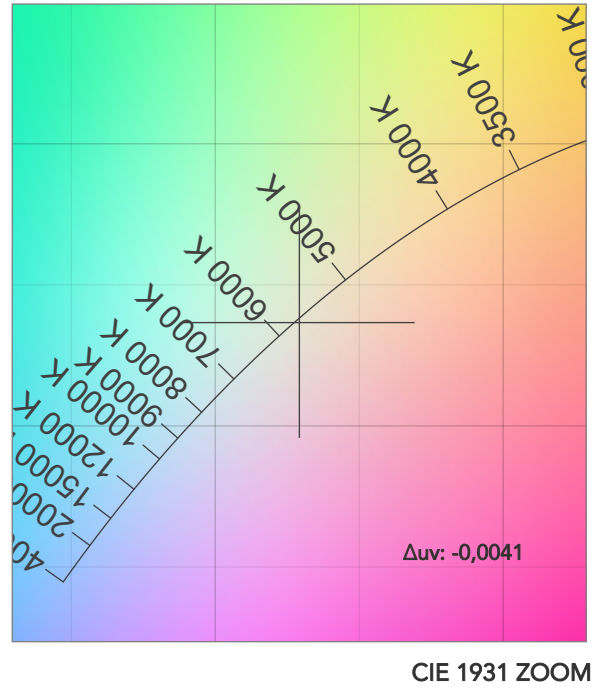
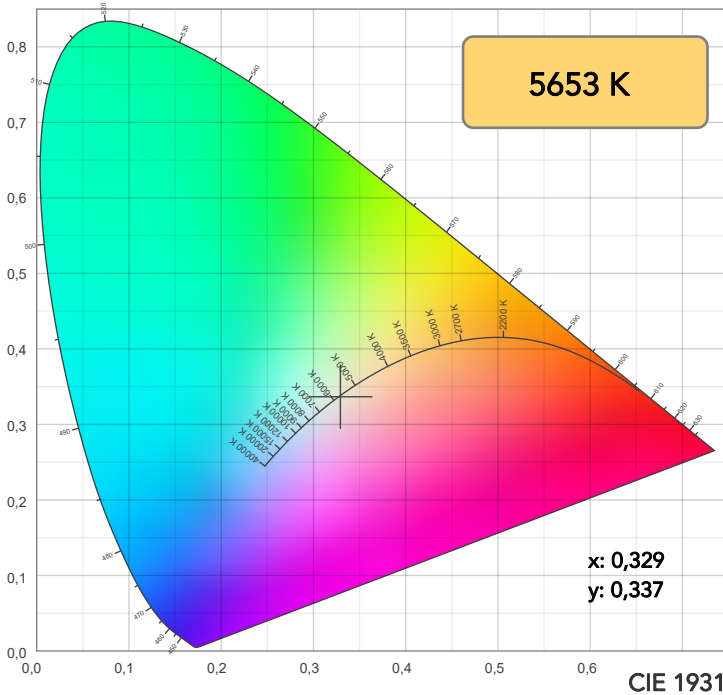
Field angle 10%: 88,7°

Cut off angle 2.5%: 126,7°

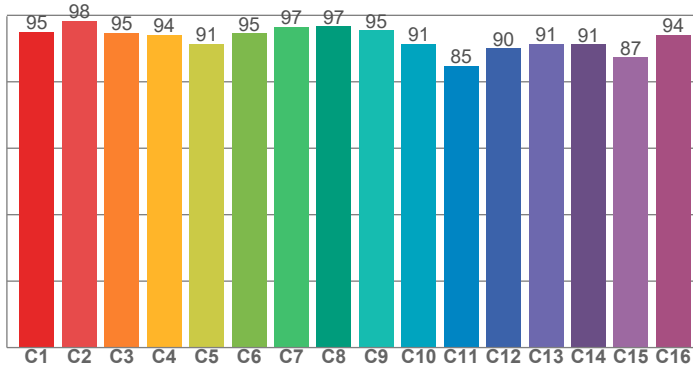
Spectra



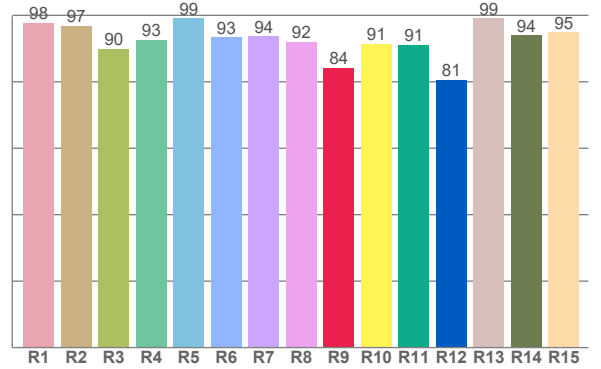
COLOR DETAILS



TM30: 92,9



CRI: 94,4 (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
97,8	96,9	89,9	92,6	99,0	93,3	93,7	92,1	84,2	91,4	91,1	80,6	99,1	94,1	94,8

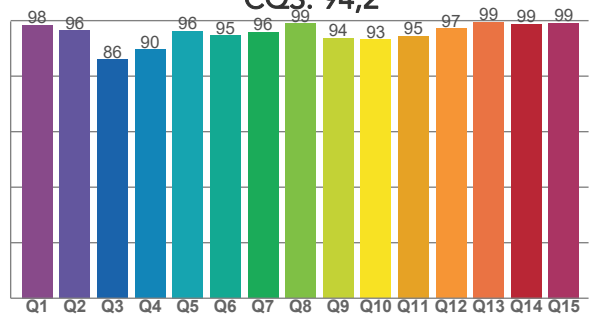
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,0	98,3	94,8	94,1	91,3	94,6	96,6	96,7	95,5	91,4	84,8	90,1	91,3	91,3	87,3	94,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,4	96,4	86,0	89,5	96,3	94,6	95,8	98,9	93,6	93,2	94,5	97,1	99,5	98,8	99,2

CQS: 94,2



COLOR PARAMETERS

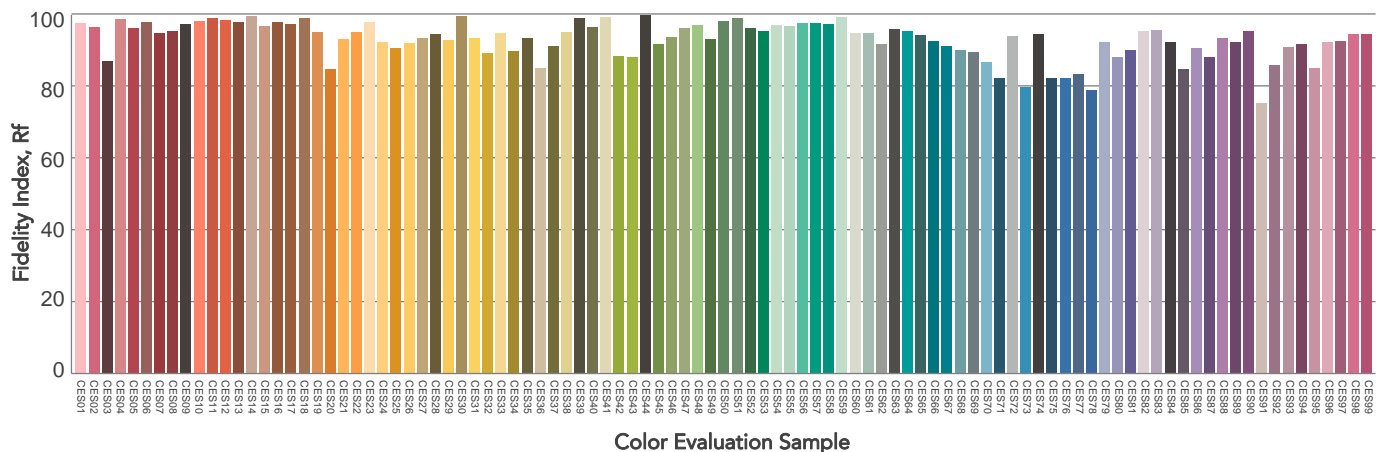
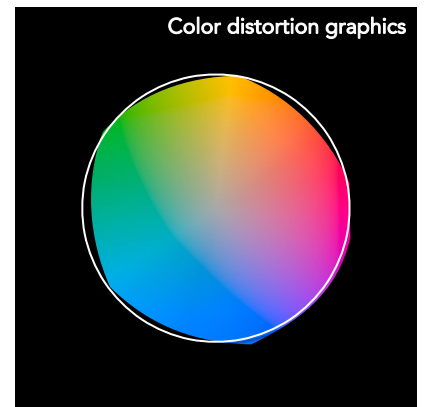
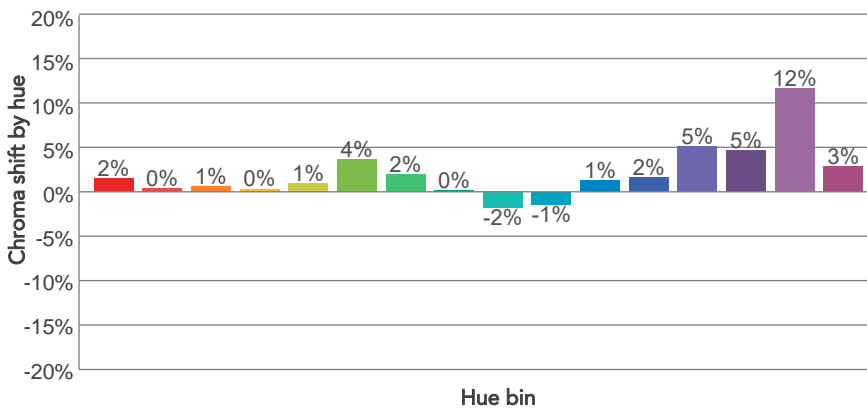
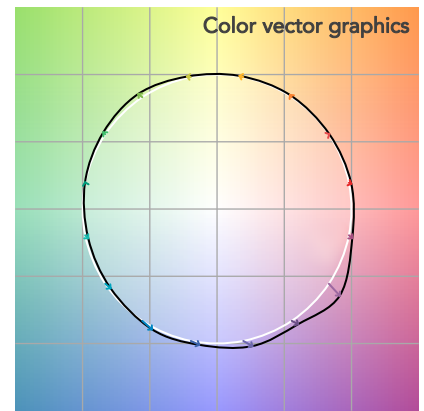
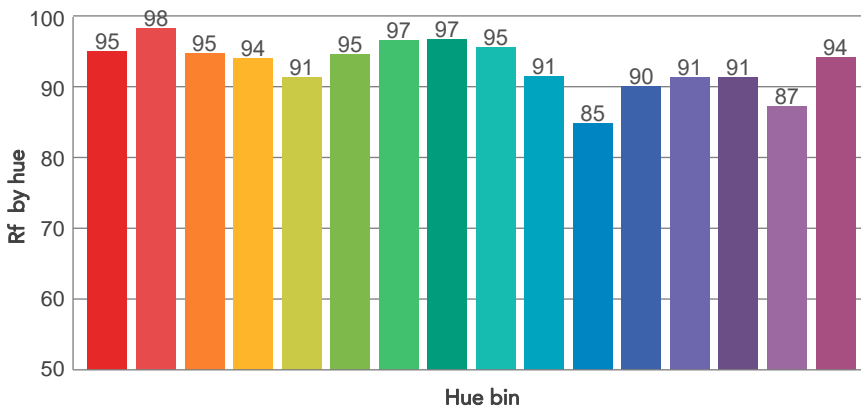
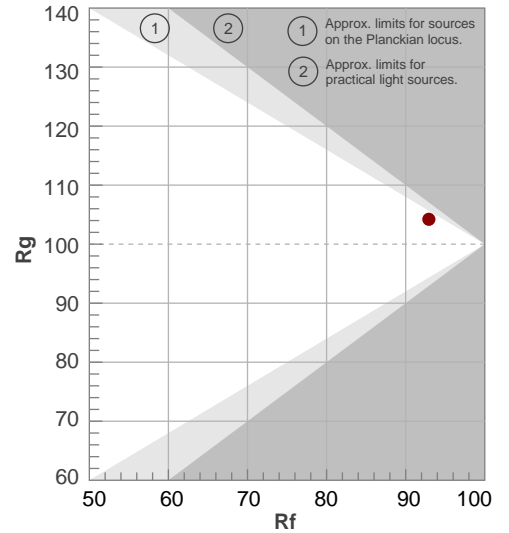
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5653 K	94,4	84,2	92,9	104,2	94,2	98	0,329	0,337	-0,0041

TM30 DETAILS

Rf 92,9
Fidelity index Rf

Rg 104,2
Gammut index

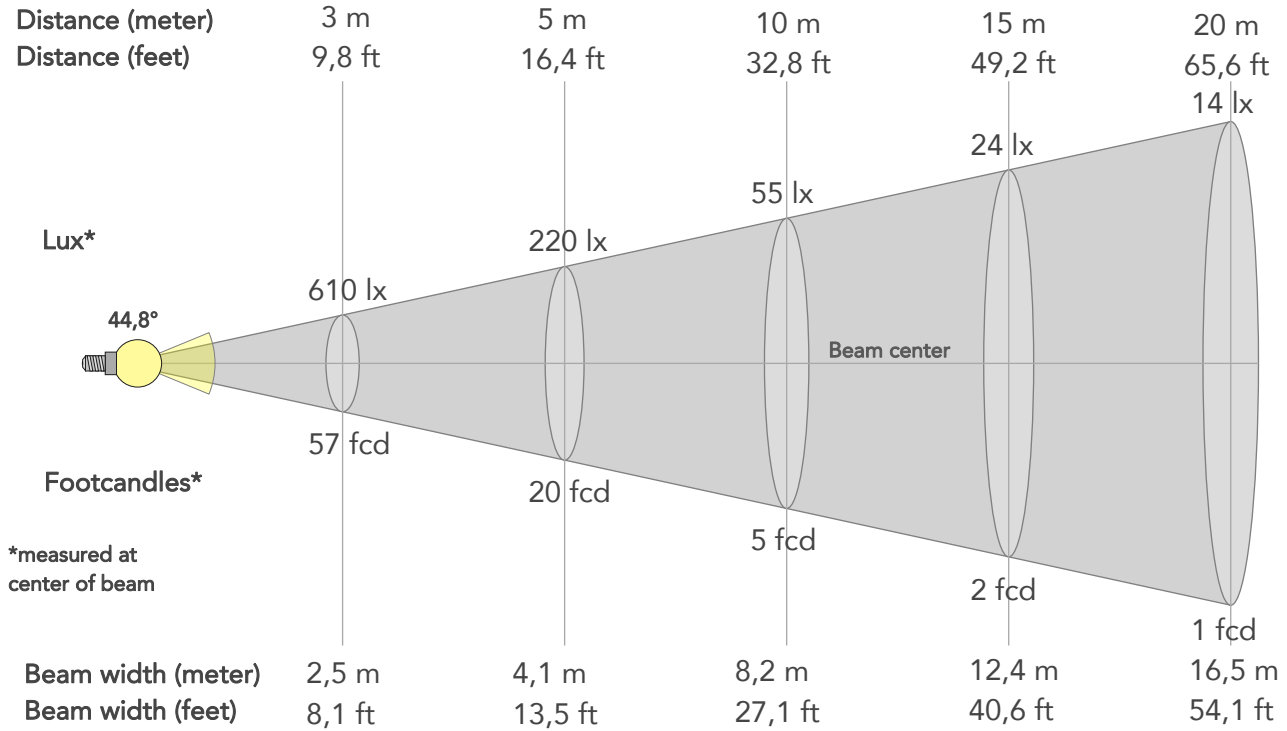
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	98	0%	0%
3	95	1%	2%
4	94	0%	3%
5	91	1%	3%
6	95	4%	1%
7	97	2%	0%
8	97	0%	0%
9	95	-2%	3%
10	91	-1%	5%
11	85	1%	10%
12	90	2%	7%
13	91	5%	6%
14	91	5%	3%
15	87	12%	-3%
16	94	3%	-2%



BEAM DETAILS



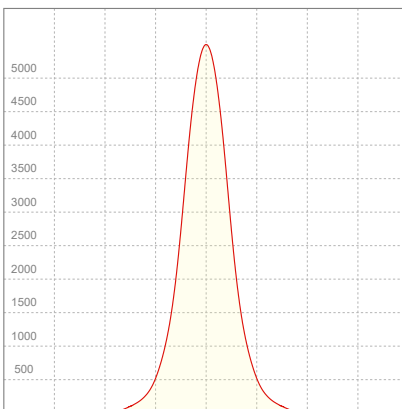
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,8°	88,7°	126,7°	95,6%	86,2%



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	5491lx	1373lx	610lx	343lx	220lx	98lx	55lx	24lx	14lx	9lx	6lx	3lx	2lx
Footcand.	510fcd	128fcd	57fcd	32fcd	20fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,4m	16,5m	20,6m	24,7m	33m	41,2m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,3ft	27,1ft	40,6ft	54,1ft	67,6ft	81,2ft	108,2ft	135,3ft

LINEAR DISTRIBUTION DIAGRAM

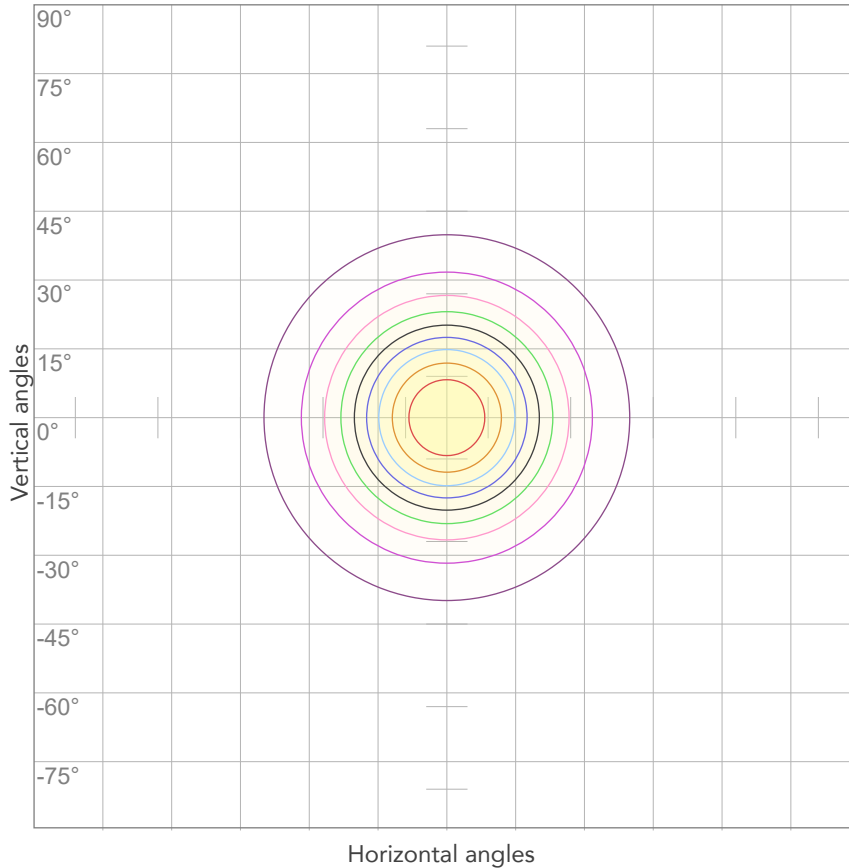


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,385A	80,3W	0,92	52lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



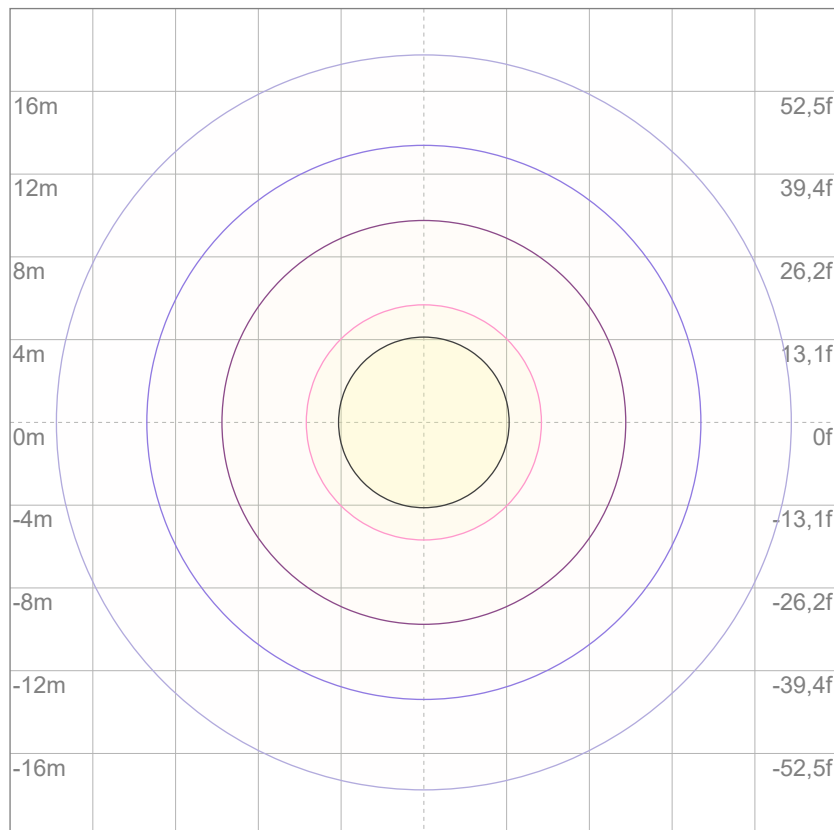
10%	549 cd
20%	1098 cd
30%	1647 cd
40%	2196 cd
50%	2745 cd
60%	3294 cd
70%	3844 cd
80%	4393 cd

Conditions:

Number of c-planes: 2

Candela at center: 5491 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,65 lx
5%	2,75 lx
10%	5,49 lx
30%	16,5 lx
50%	27,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 54,9 lx

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



Total lumen output:

4189 lm

Peak candela output:

3698 cd

Light quality:

CRI: 94,4

Color temperature:

5659 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

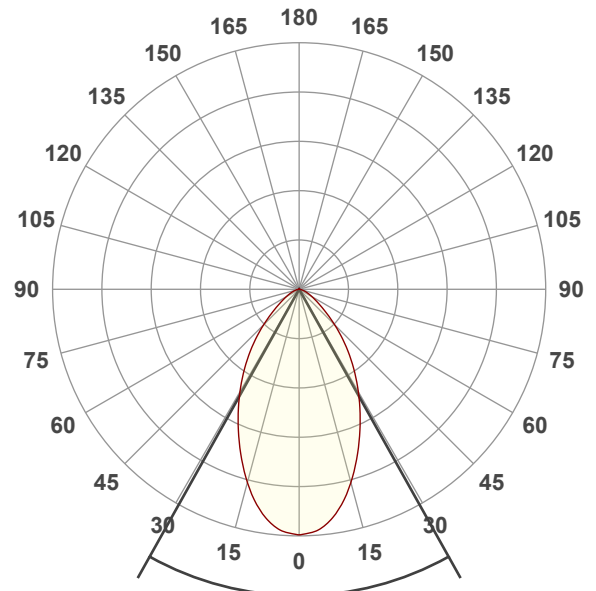
5600K

Operator:

Giacomo Matteo

Date and time:

21/02/2024 17:27:11

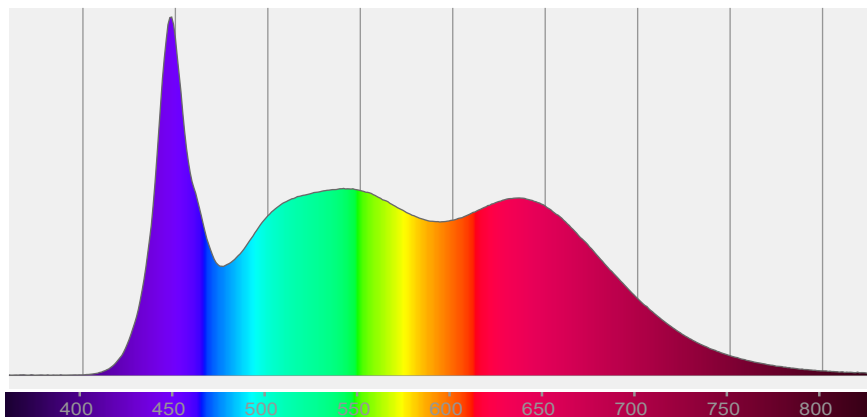


Beam angle 50%: 58,4°

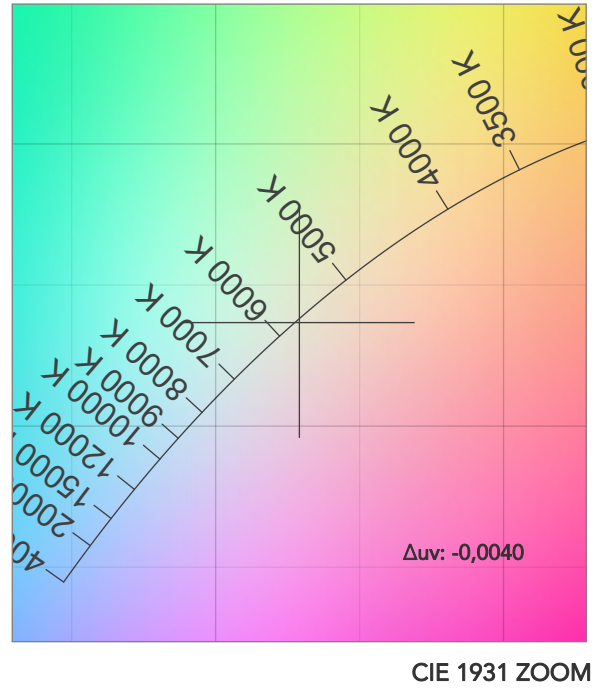
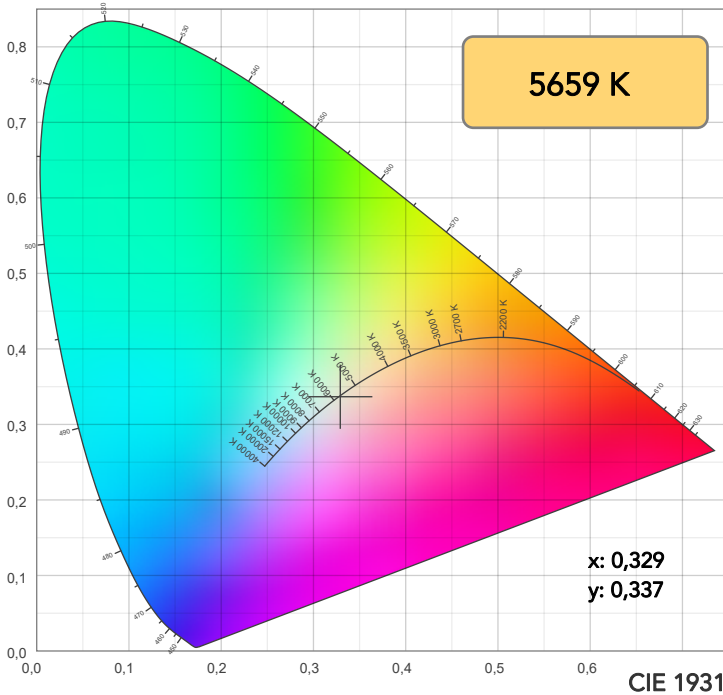
Field angle 10%: 107,4°

Cut off angle 2.5%: 141,6°

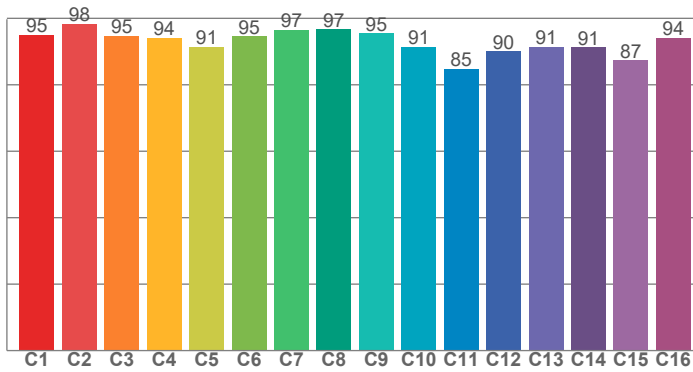
Spectra



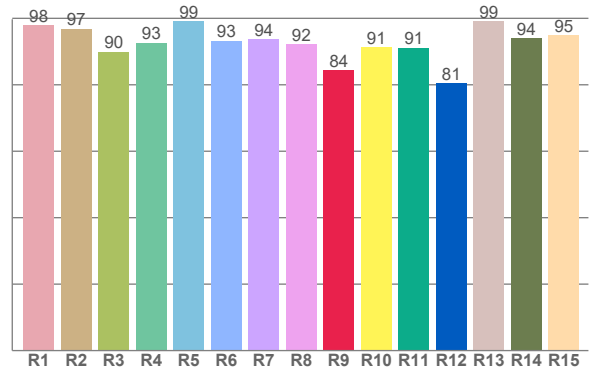
COLOR DETAILS



TM30: 92,9



CRI: 94,4 (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
97,9	96,8	89,9	92,6	99,1	93,3	93,7	92,1	84,5	91,3	91,2	80,5	99,1	94,1	95,0

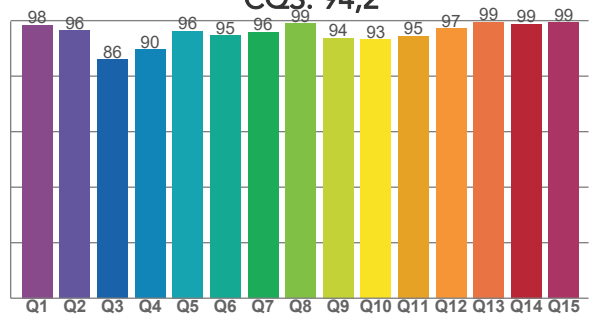
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,1	98,3	94,8	94,1	91,3	94,6	96,6	96,7	95,5	91,4	84,8	90,1	91,3	91,3	87,3	94,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,5	96,4	86,0	89,5	96,3	94,6	95,8	98,9	93,7	93,2	94,5	97,1	99,5	98,8	99,2

CQS: 94,2



COLOR PARAMETERS

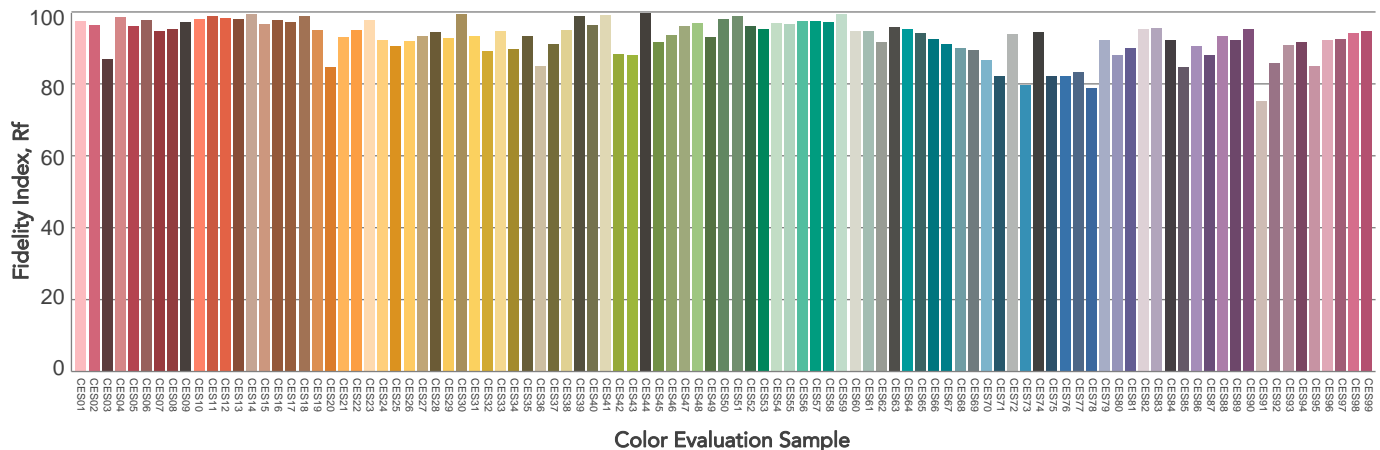
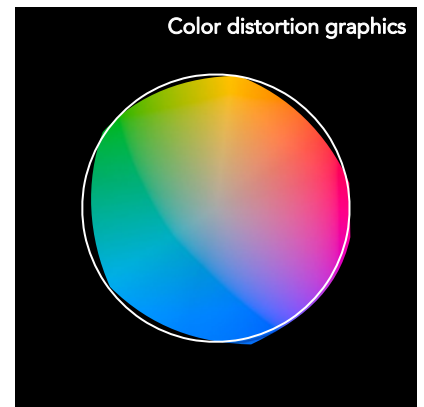
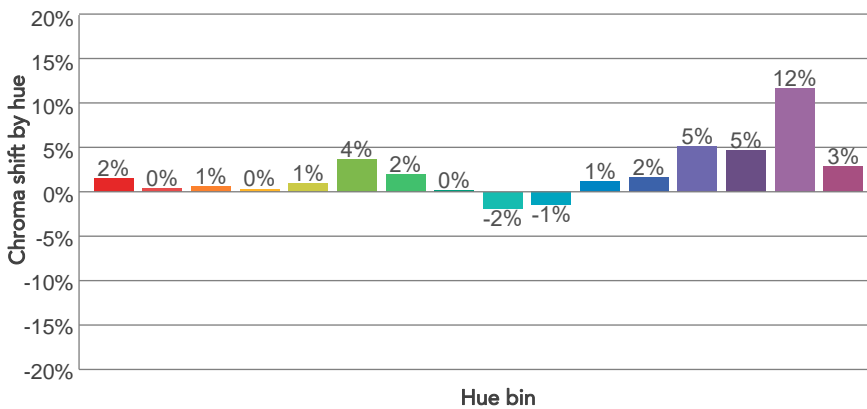
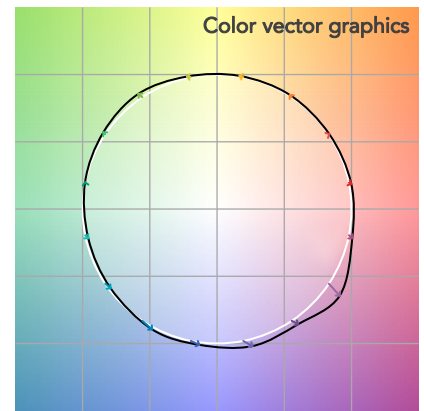
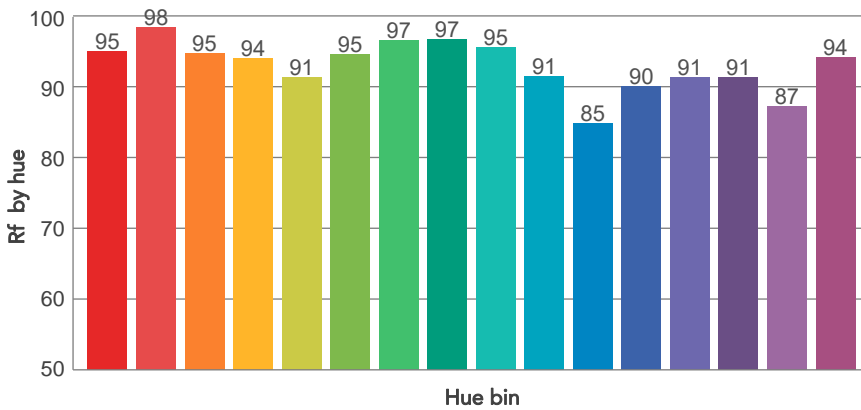
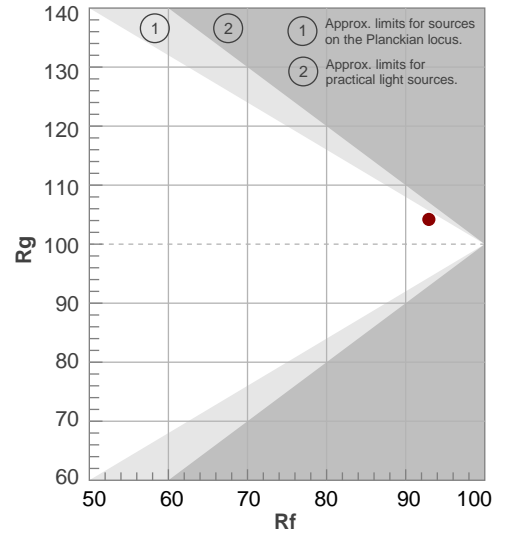
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5659 K	94,4	84,5	92,9	104,2	94,2	98	0,329	0,337	-0,0040

TM30 DETAILS

Rf 92,9
Fidelity index Rf

Rg 104,2
Gammut index

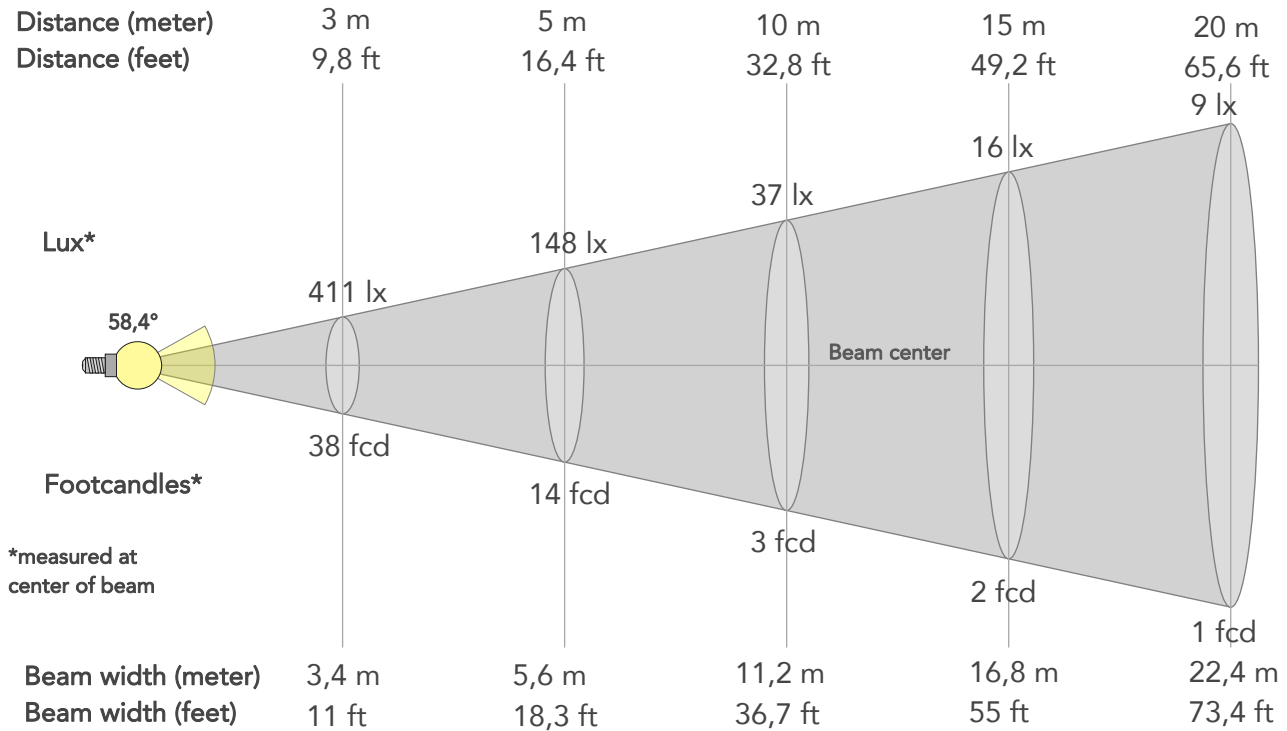
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	98	0%	0%
3	95	1%	2%
4	94	0%	3%
5	91	1%	3%
6	95	4%	1%
7	97	2%	0%
8	97	0%	0%
9	95	-2%	3%
10	91	-1%	5%
11	85	1%	10%
12	90	2%	7%
13	91	5%	6%
14	91	5%	3%
15	87	12%	-3%
16	94	3%	-2%



BEAM DETAILS



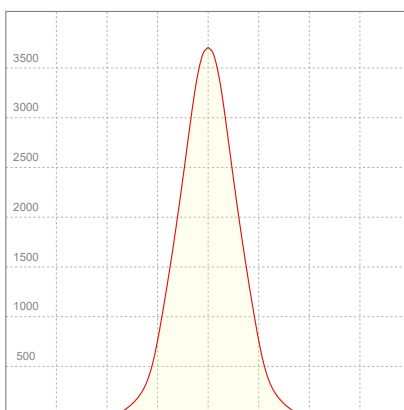
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,4°	107,4°	141,6°	94,5%	81,2%



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	3698lx	925lx	411lx	231lx	148lx	66lx	37lx	16lx	9lx	6lx	4lx	2lx	1lx
Footcand.	344fcd	86fcd	38fcd	21fcd	14fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,4m	4,5m	5,6m	8,4m	11,2m	16,8m	22,4m	28m	33,5m	44,7m	55,9m
Beam wid.	3,7ft	7,4ft	11ft	14,6ft	18,3ft	27,5ft	36,7ft	55ft	73,4ft	91,7ft	110ft	146,7ft	183,4ft

LINEAR DISTRIBUTION DIAGRAM

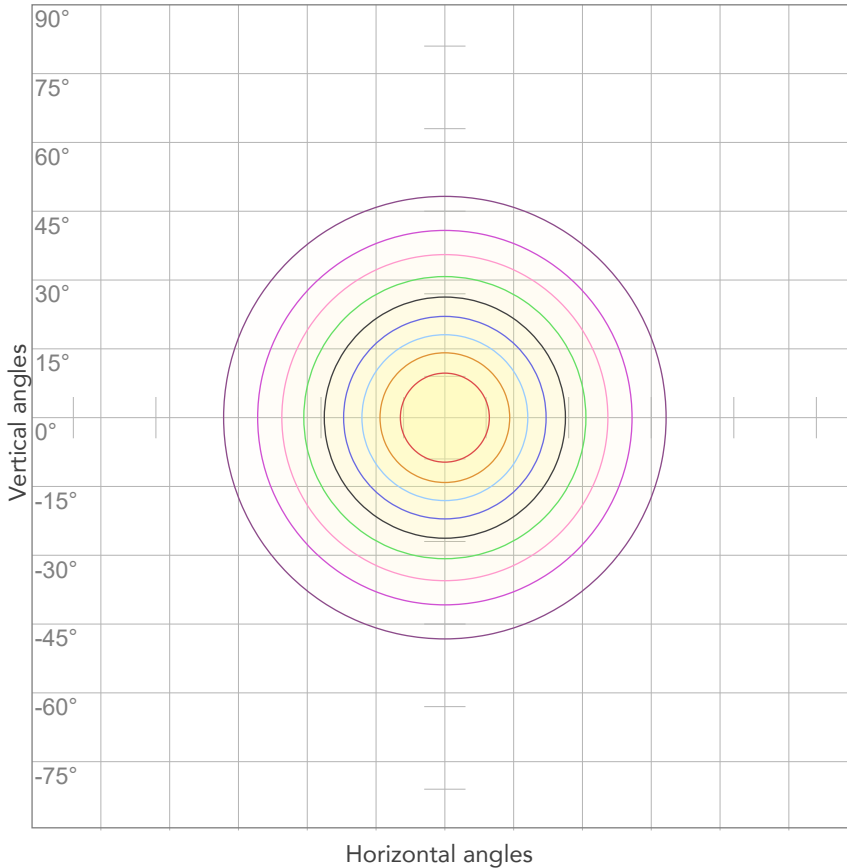


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,385A	80,3W	0,92	52lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



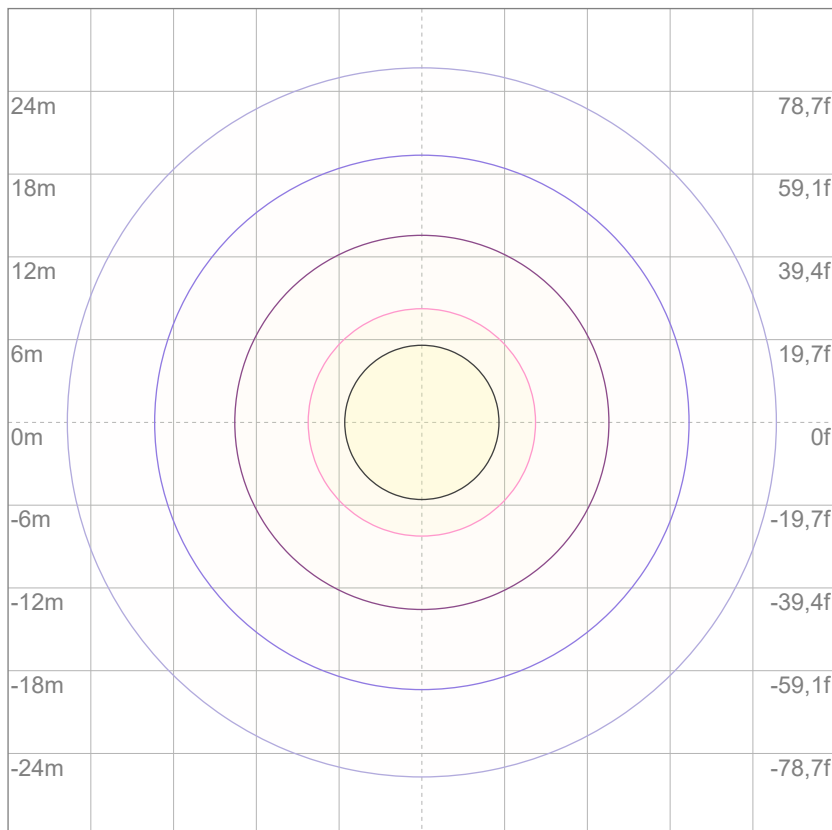
10%	370 cd
20%	740 cd
30%	1109 cd
40%	1479 cd
50%	1849 cd
60%	2219 cd
70%	2589 cd
80%	2959 cd

Conditions:

Number of c-planes: 2

Candela at center: 3698 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,11 lx
5%	1,85 lx
10%	3,70 lx
30%	11,1 lx
50%	18,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 37,0 lx

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



Total lumen output:

6340 lm

Peak candela output:

12833 cd

Light quality:

CRI: 94,5

Color temperature:

5576 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x60° Filter

Target:

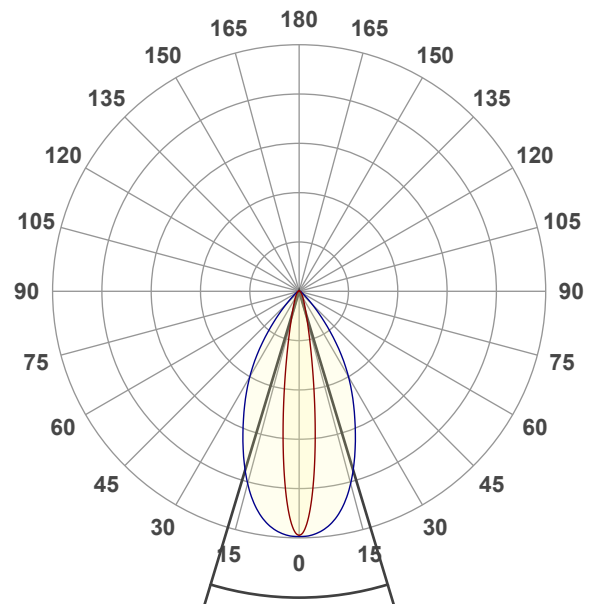
5600K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 11:09:07

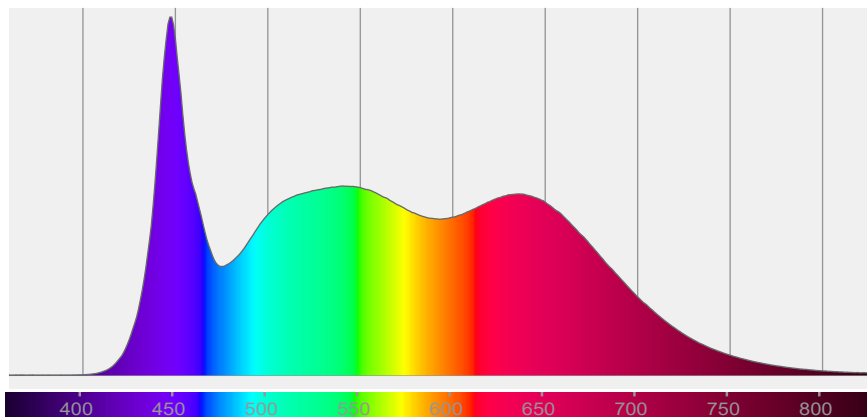


Beam angle 50%: 33,6°

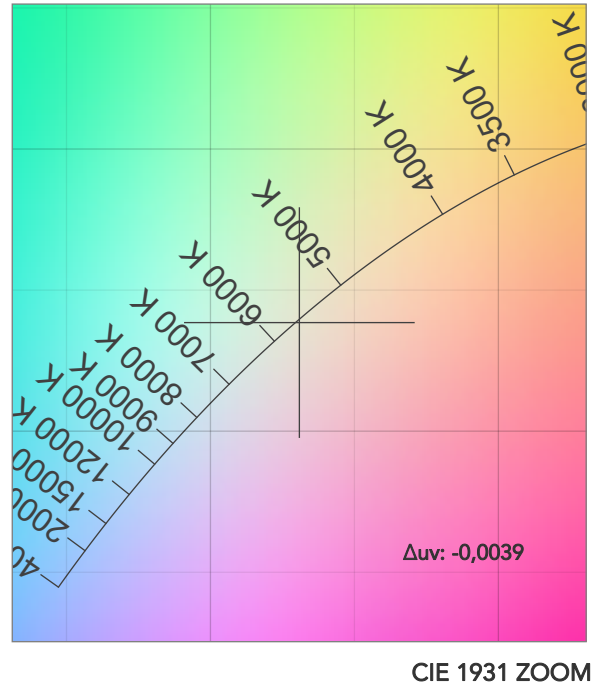
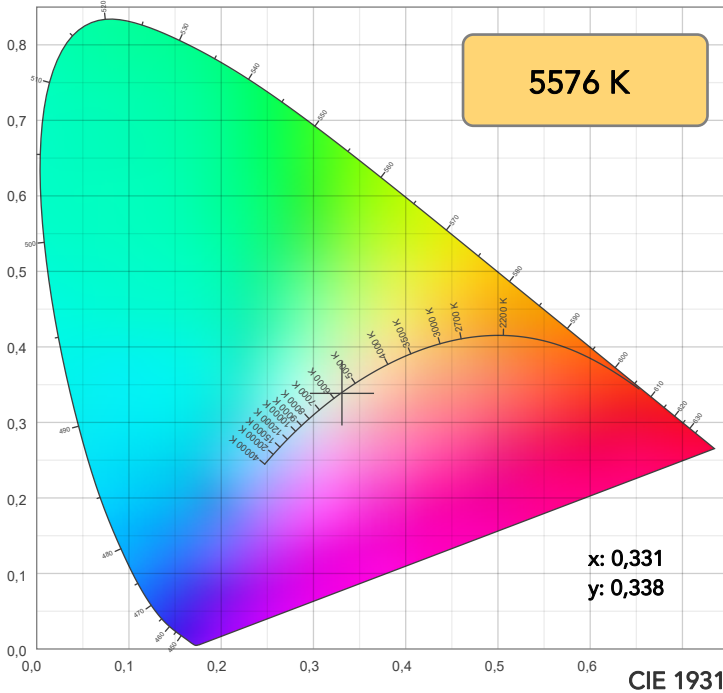
Field angle 10%: 60,1°

Cut off angle 2.5%: 87,9°

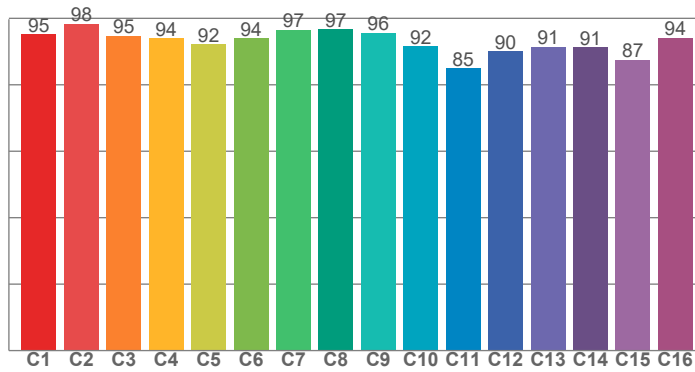
Spectra



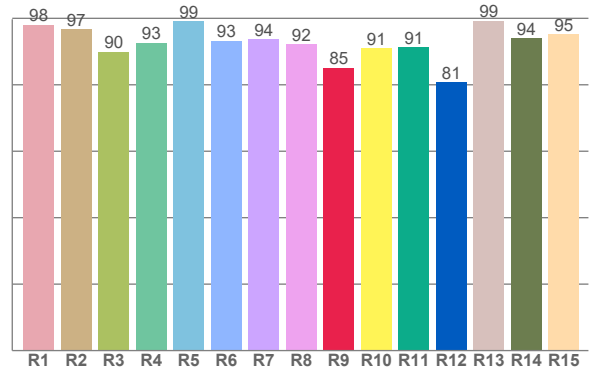
COLOR DETAILS



TM30: 92,9



CRI: 94,5 (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
98,1	96,7	89,9	92,6	99,1	93,3	93,7	92,3	85,2	91,1	91,2	80,7	99,3	94,1	95,2

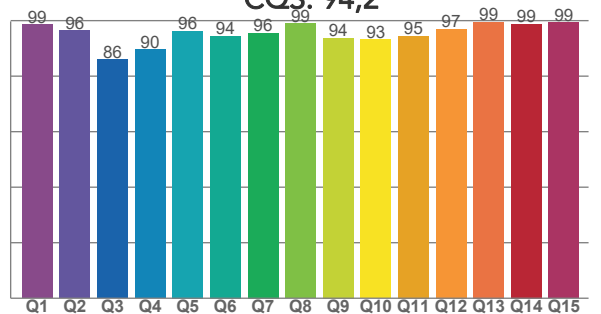
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,2	98,4	94,7	94,0	92,1	94,0	96,5	96,6	95,6	91,5	84,9	90,1	91,4	91,3	87,4	94,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,6	96,4	86,0	89,6	96,2	94,4	95,6	99,0	93,7	93,1	94,5	97,1	99,5	98,9	99,3

CQS: 94,2



COLOR PARAMETERS

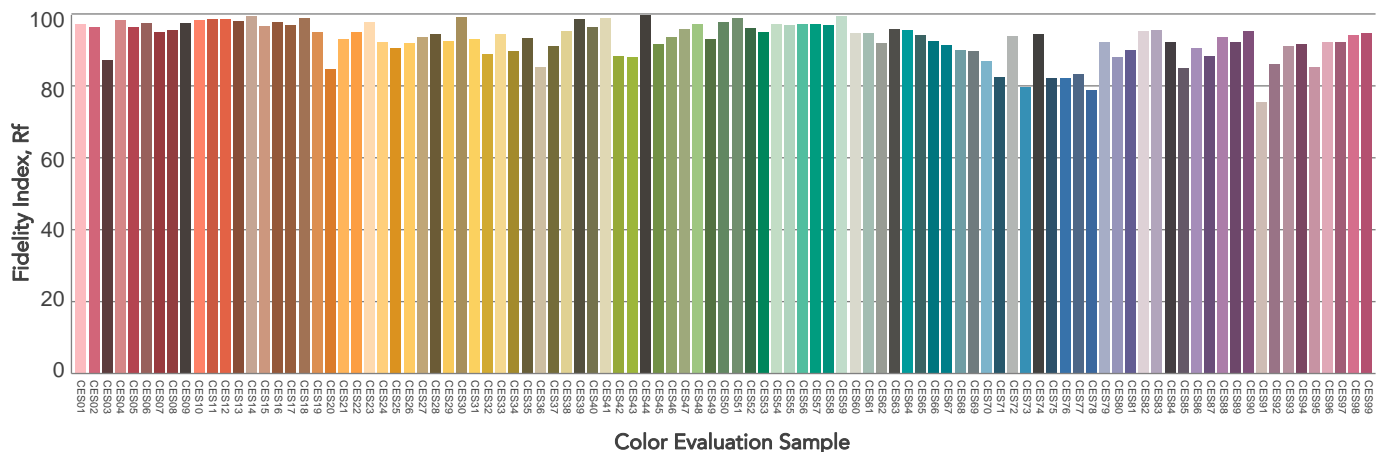
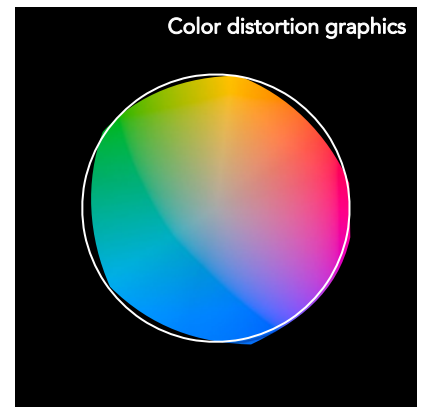
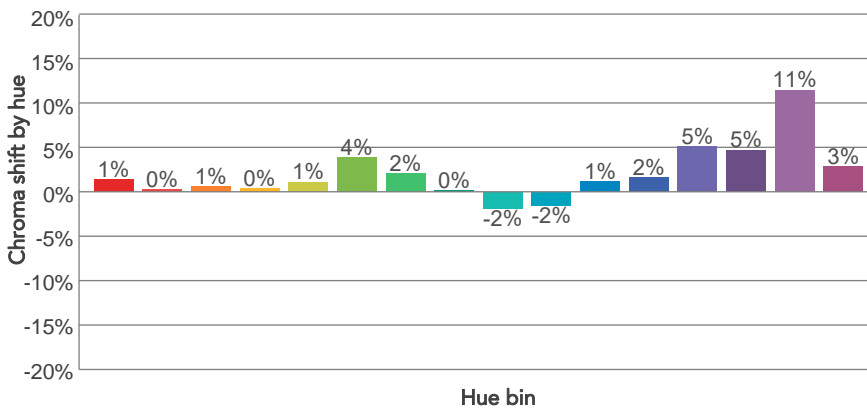
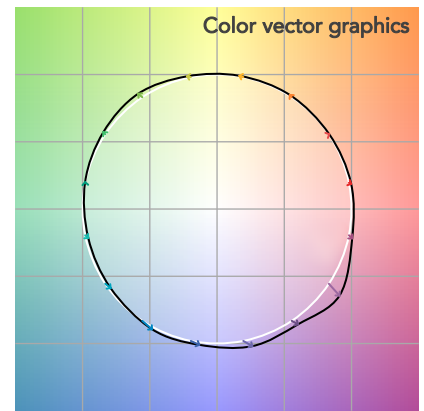
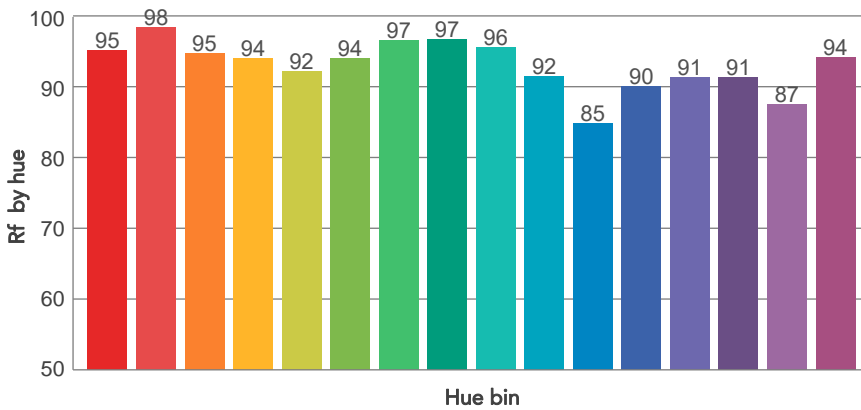
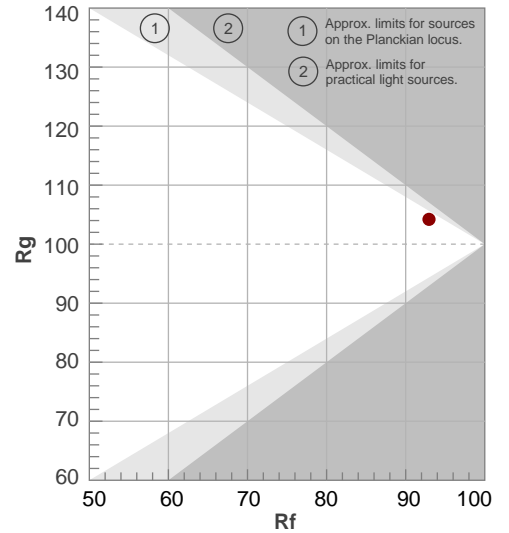
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5576 K	94,5	85,2	92,9	104,2	94,2	98	0,331	0,338	-0,0039

TM30 DETAILS

Rf 92,9
Fidelity index Rf

Rg 104,2
Gammut index

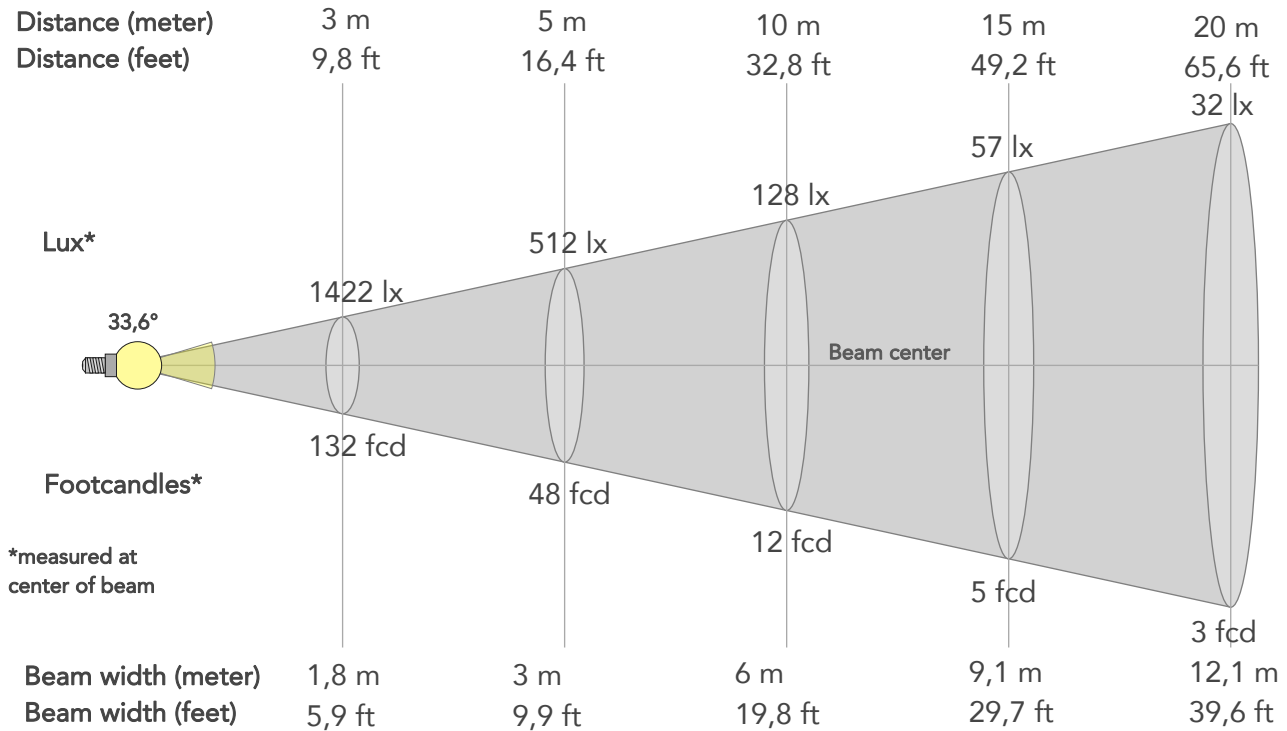
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	1%	-1%
2	98	0%	0%
3	95	1%	2%
4	94	0%	3%
5	92	1%	3%
6	94	4%	1%
7	97	2%	0%
8	97	0%	0%
9	96	-2%	2%
10	92	-2%	5%
11	85	1%	9%
12	90	2%	7%
13	91	5%	6%
14	91	5%	2%
15	87	11%	-3%
16	94	3%	-2%



BEAM DETAILS



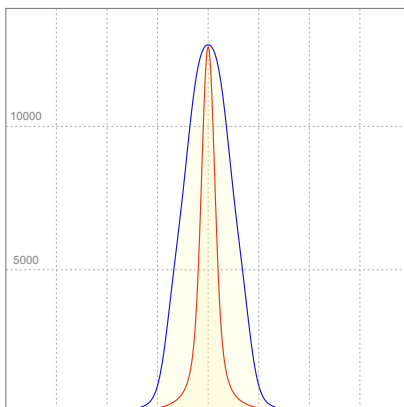
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,6°	60,1°	87,9°	97,2%	91,5%



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	12801lx	3200lx	1422lx	800lx	512lx	228lx	128lx	57lx	32lx	20lx	14lx	8lx	5lx
Footcand.	1189fcd	297fcd	132fcd	74fcd	48fcd	21fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9,1m	12,1m	15,1m	18,1m	24,2m	30,2m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,9ft	19,8ft	29,7ft	39,6ft	49,5ft	59,4ft	79,2ft	99ft

LINEAR DISTRIBUTION DIAGRAM

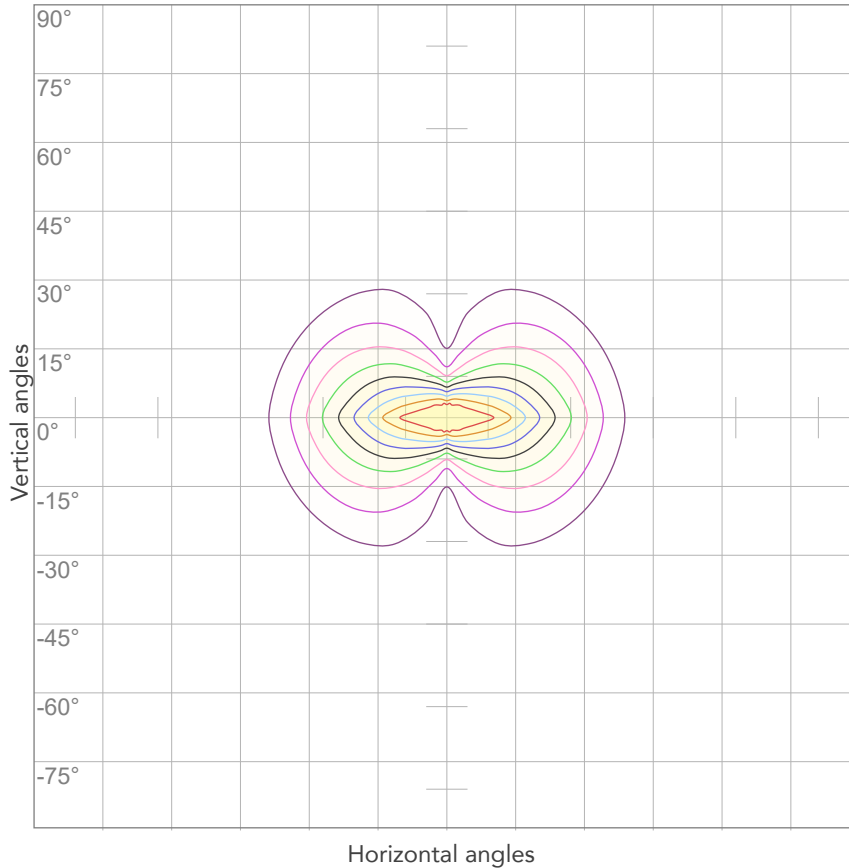


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,387A	80,4W	0,92	79lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



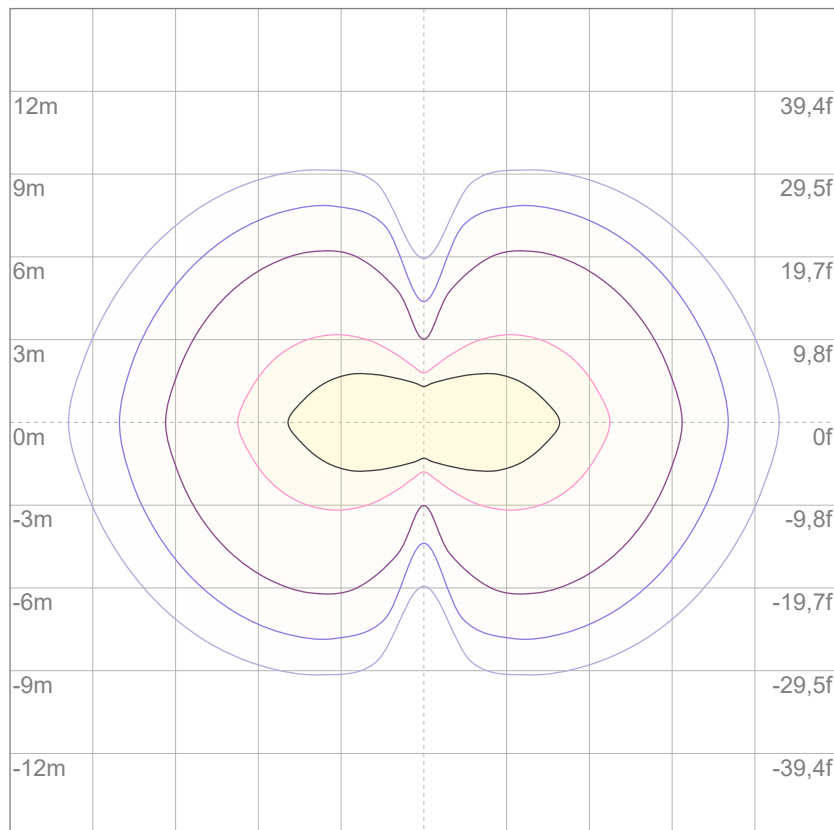
10%	1280 cd
20%	2560 cd
30%	3840 cd
40%	5120 cd
50%	6400 cd
60%	7681 cd
70%	8961 cd
80%	10241 cd

Conditions:

Number of c-planes: 4

Candela at center: 12801 cd

ISO LUX DIAGRAM



3%	3,84 lx
5%	6,40 lx
10%	12,8 lx
30%	38,4 lx
50%	64,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 128 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:

4785 lm

Peak candela output:

6591 cd

Light quality:

CRI: 94,5

Color temperature:

5633 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x60° Filter

Target:

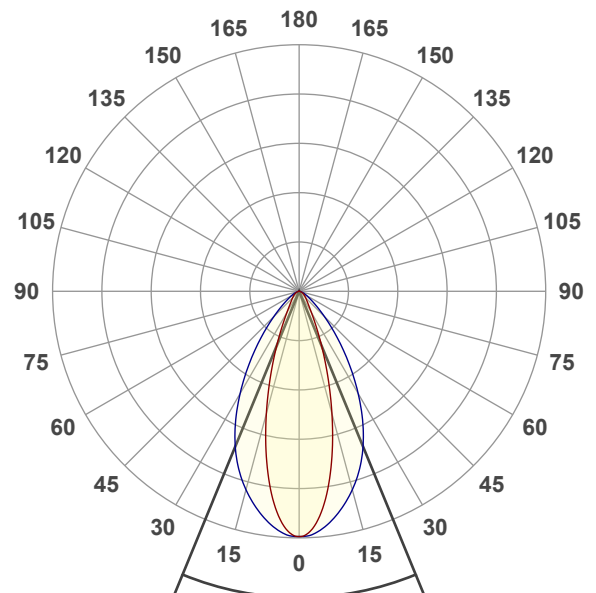
5600K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 11:37:12

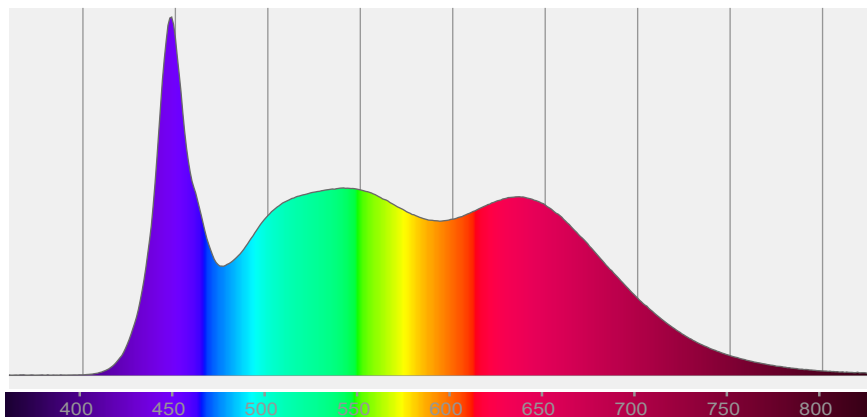


Beam angle 50%: 44,7°

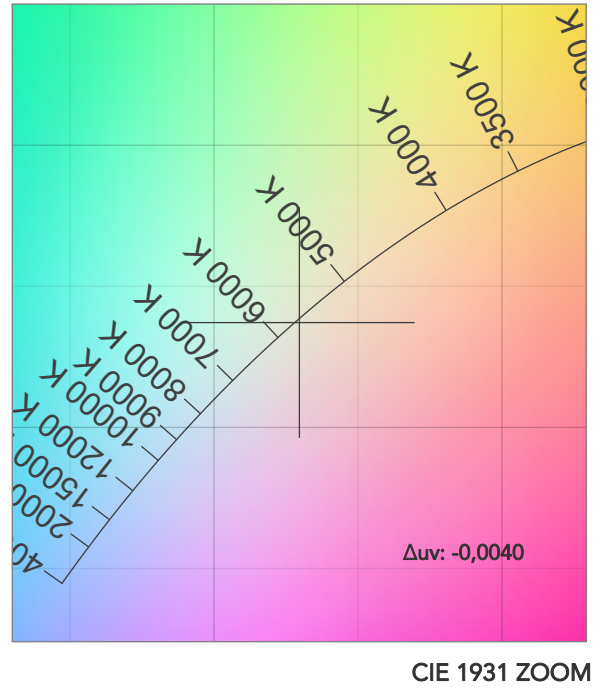
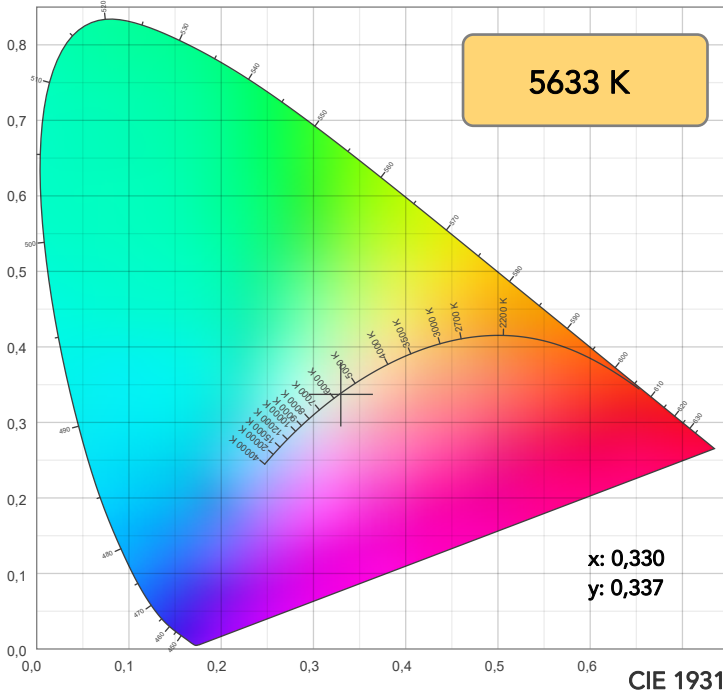
Field angle 10%: 78,9°

Cut off angle 2.5%: 118,6°

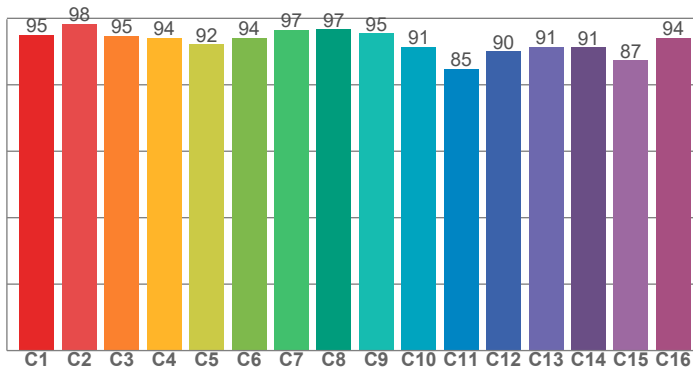
Spectra



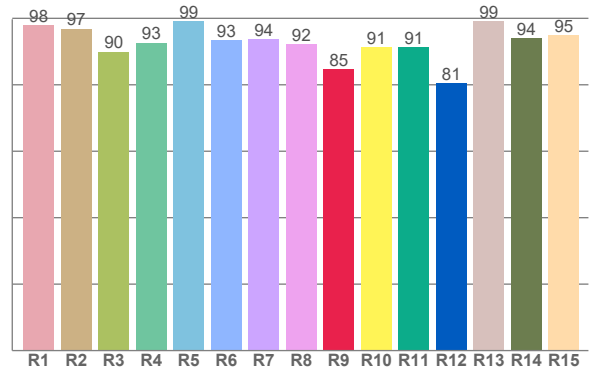
COLOR DETAILS



TM30: 92,9



CRI: 94,5 (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
97,9	96,8	89,9	92,7	99,1	93,3	93,8	92,2	84,6	91,3	91,2	80,6	99,1	94,1	95,0

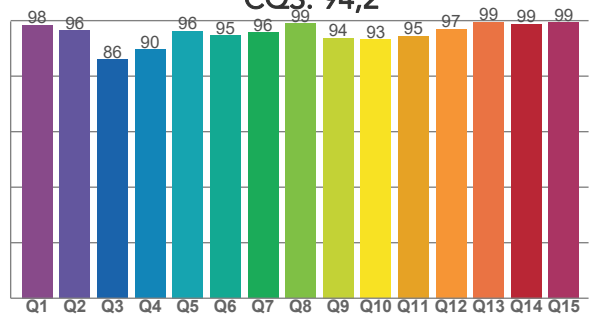
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,1	98,3	94,8	94,1	92,2	94,1	96,6	96,7	95,5	91,4	84,8	90,1	91,4	91,3	87,3	94,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,5	96,4	86,0	89,5	96,3	94,6	95,7	98,9	93,7	93,2	94,5	97,1	99,5	98,8	99,3

CQS: 94,2



COLOR PARAMETERS

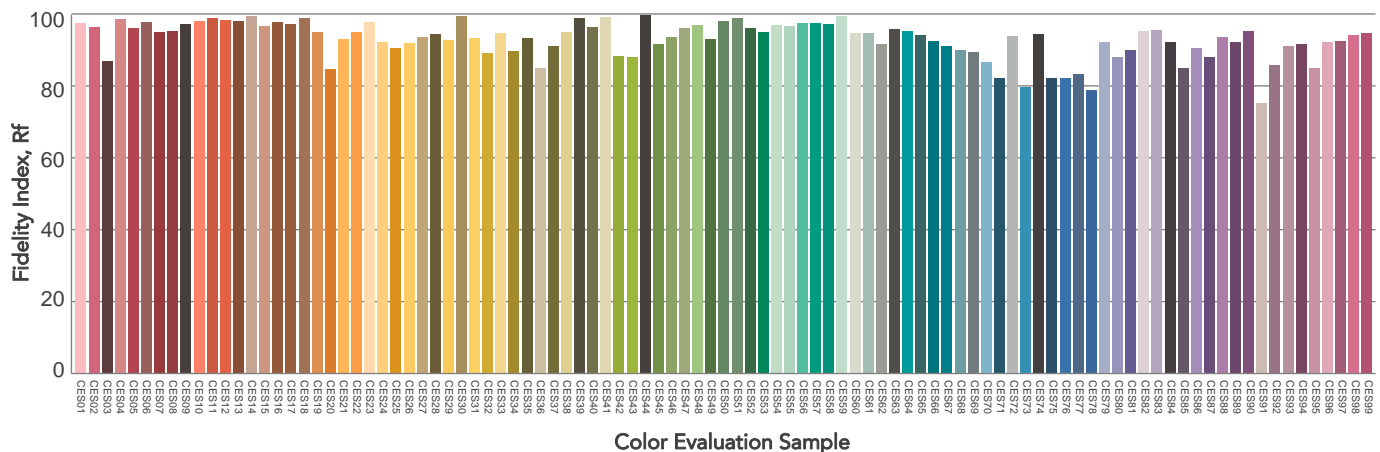
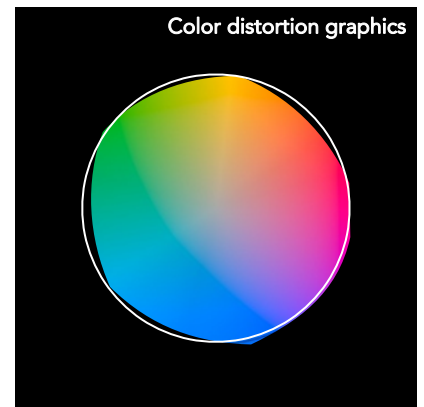
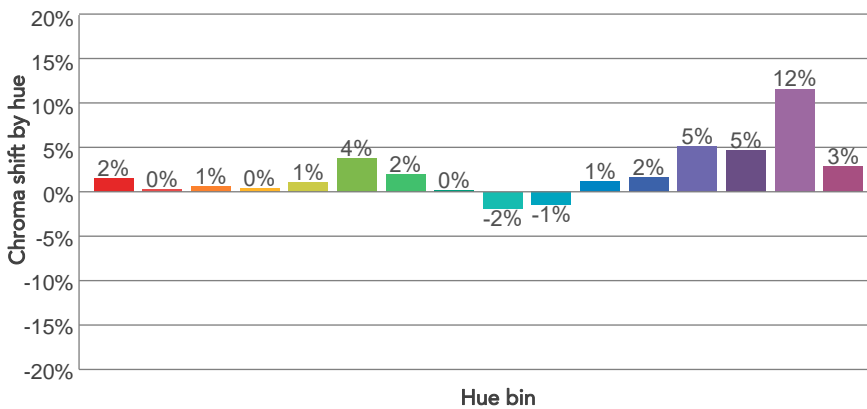
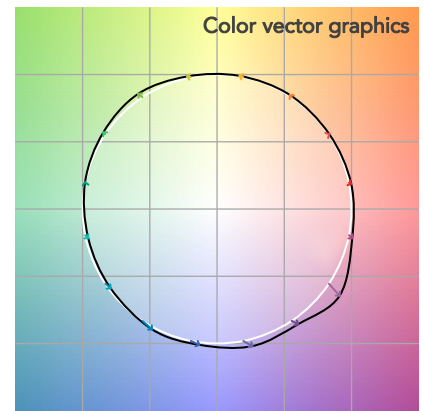
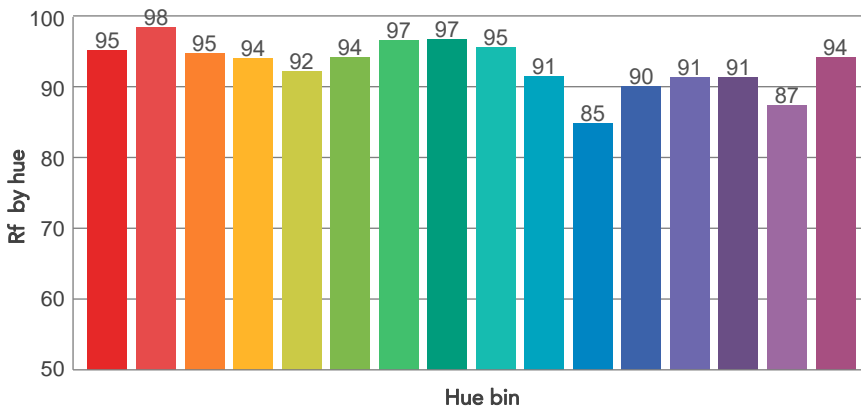
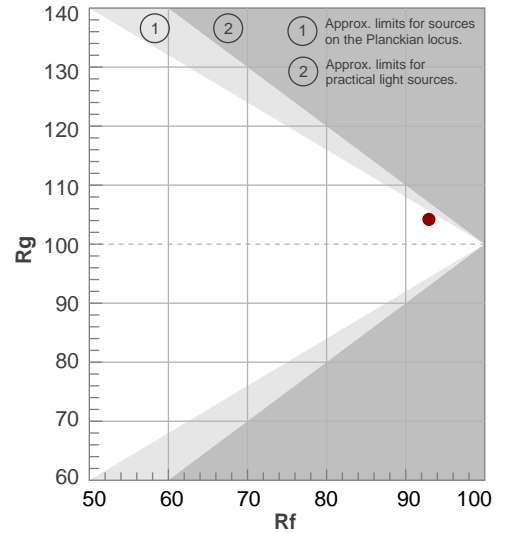
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5633 K	94,5	84,6	92,9	104,2	94,2	98	0,330	0,337	-0,0040

TM30 DETAILS

Rf 92,9
Fidelity index Rf

Rg 104,2
Gammut index

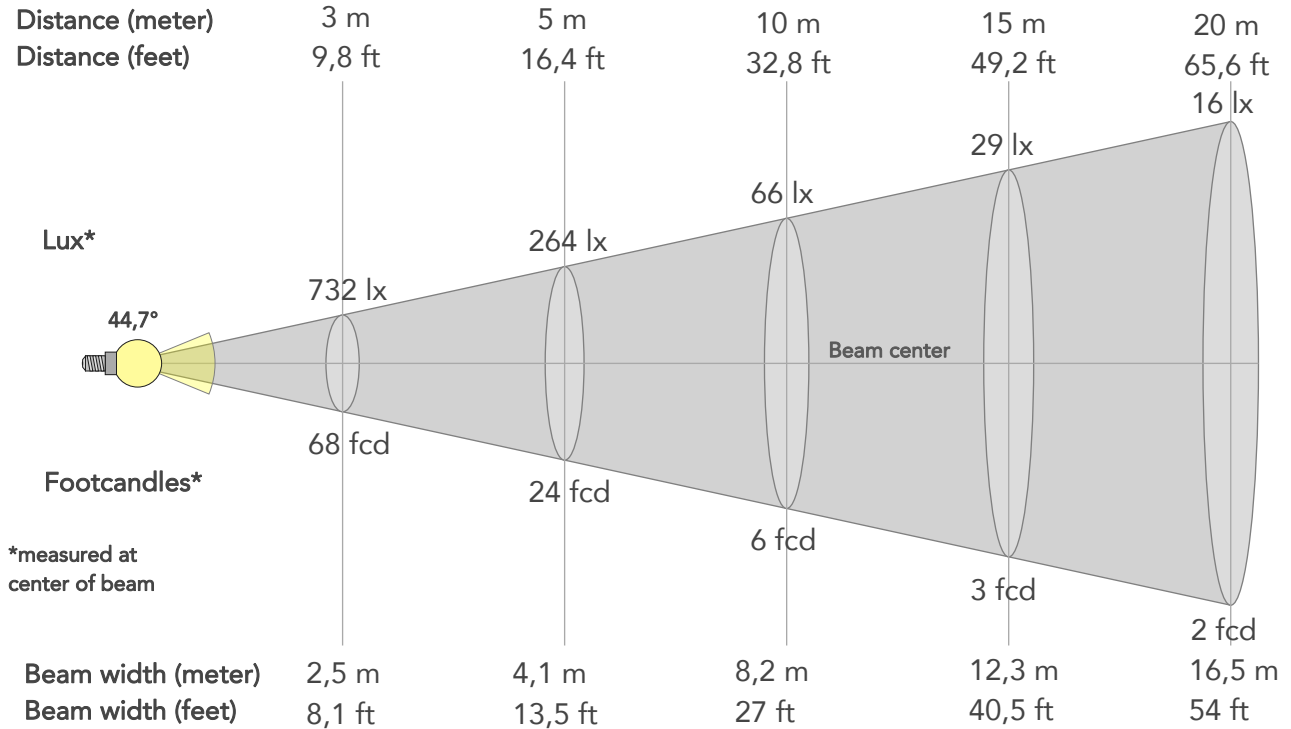
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	98	0%	0%
3	95	1%	2%
4	94	0%	3%
5	92	1%	3%
6	94	4%	1%
7	97	2%	0%
8	97	0%	0%
9	95	-2%	3%
10	91	-1%	5%
11	85	1%	10%
12	90	2%	7%
13	91	5%	6%
14	91	5%	3%
15	87	12%	-3%
16	94	3%	-2%



BEAM DETAILS



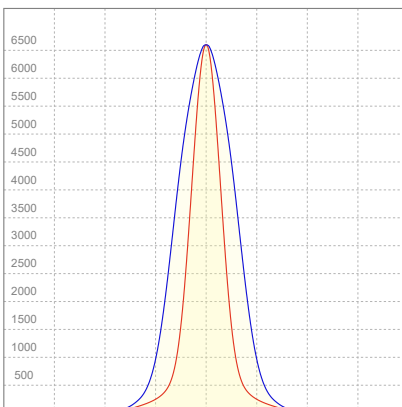
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,7°	78,9°	118,6°	95,8%	86,6%



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	6589lx	1647lx	732lx	412lx	264lx	117lx	66lx	29lx	16lx	11lx	7lx	4lx	3lx
Footcand.	612fcd	153fcd	68fcd	38fcd	24fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,3m	16,5m	20,6m	24,7m	32,9m	41,1m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,2ft	27ft	40,5ft	54ft	67,5ft	81ft	108ft	135ft

LINEAR DISTRIBUTION DIAGRAM

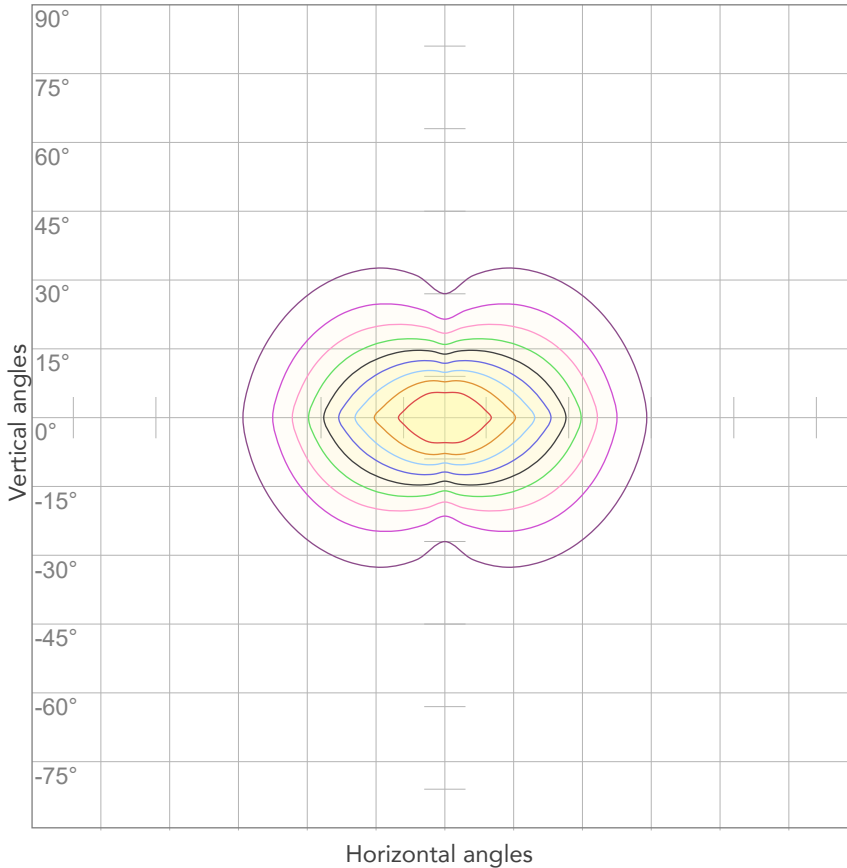


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,387A	80,3W	0,92	60lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



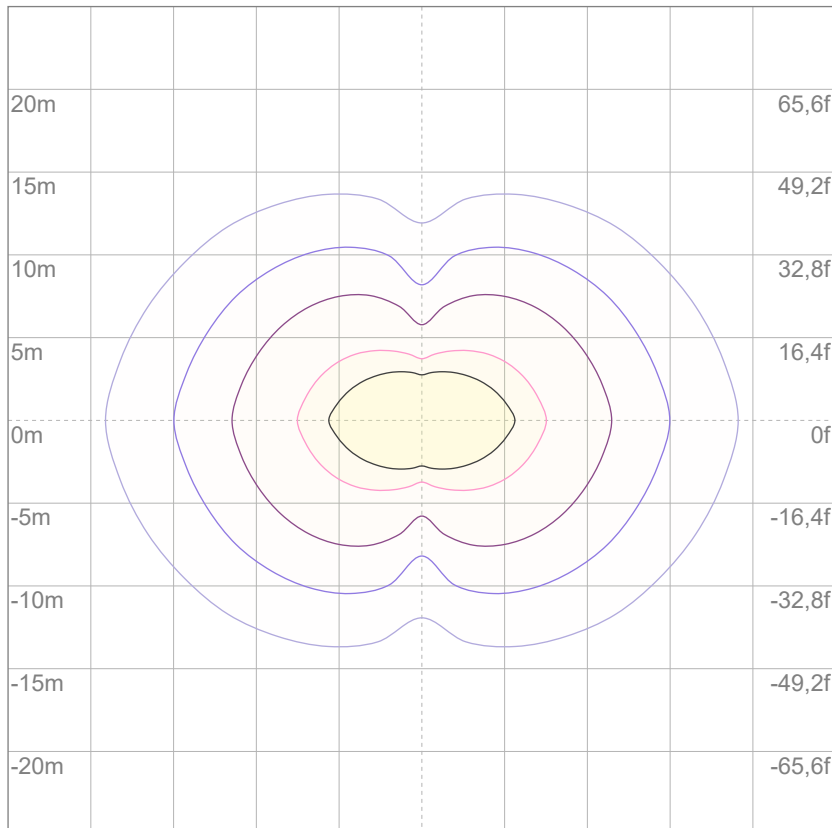
10%	659 cd
20%	1318 cd
30%	1977 cd
40%	2635 cd
50%	3294 cd
60%	3953 cd
70%	4612 cd
80%	5271 cd

Conditions:

Number of c-planes: 4

Candela at center: 6589 cd

ISO LUX DIAGRAM



3%	1,98 lx
5%	3,29 lx
10%	6,59 lx
30%	19,8 lx
50%	32,9 lx

Conditions:

Number of c-planes: 4

Lux at center: 65,9 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:

4672 lm

Peak candela output:

88786 cd

Light quality:

CRI: 94,7

Color temperature:

6023 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

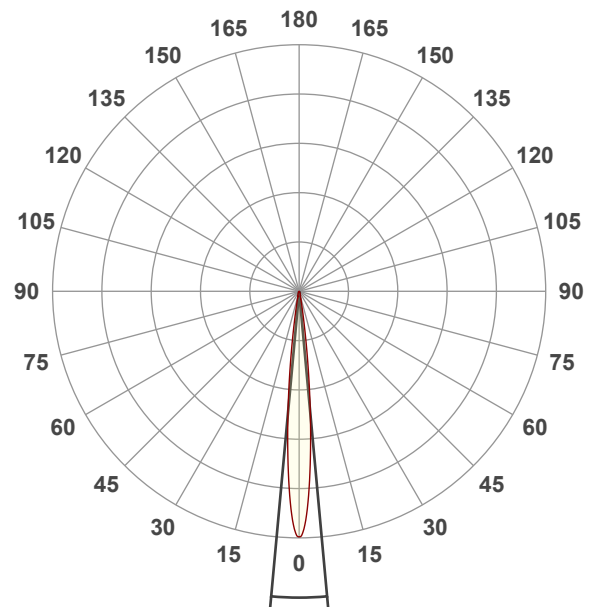
6000K

Operator:

Giacomo Matteo

Date and time:

21/02/2024 15:43:39

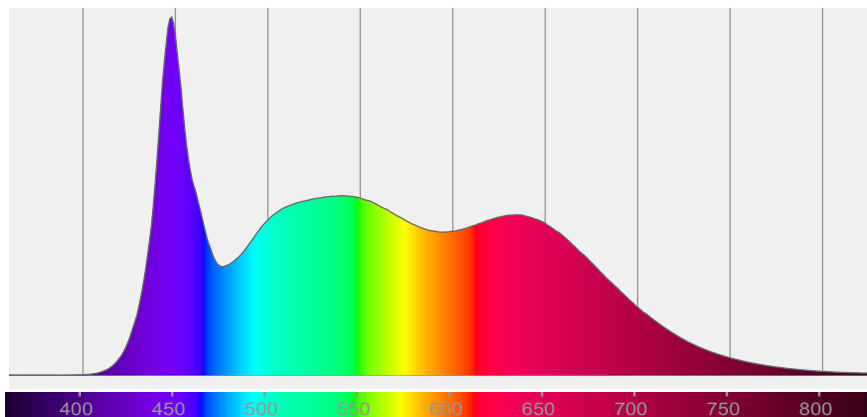


Beam angle 50%: 10,5°

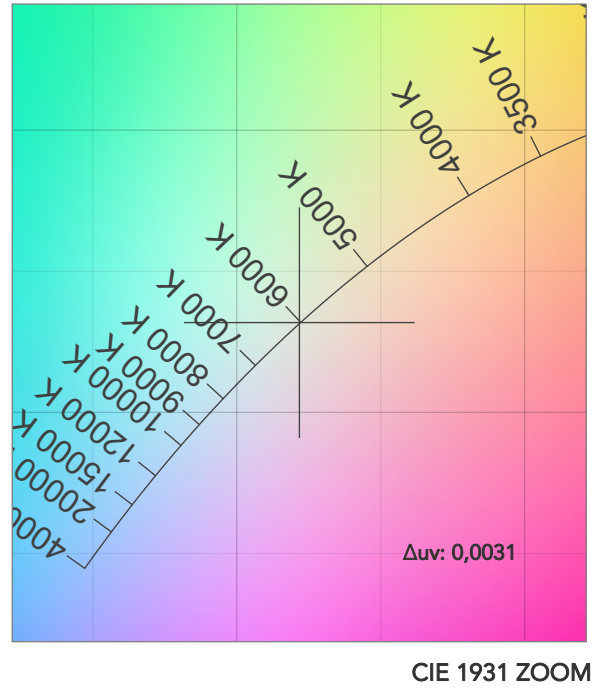
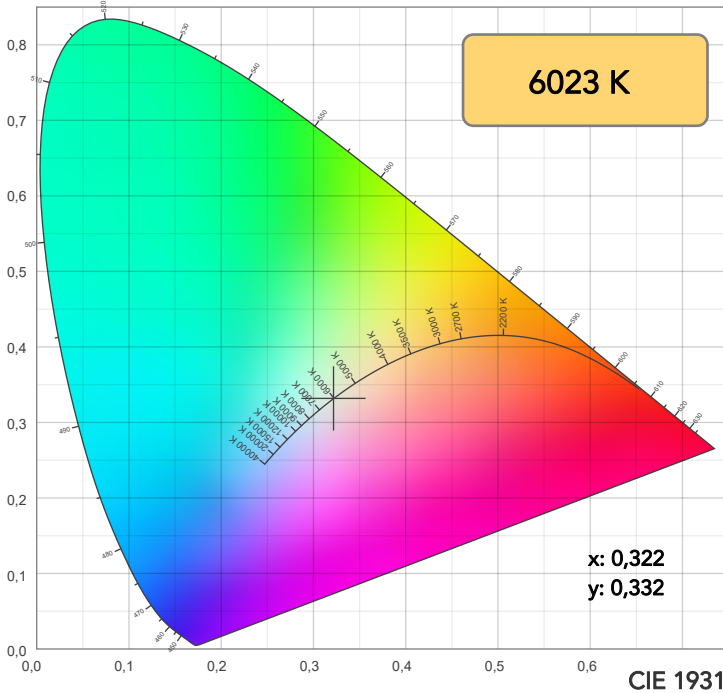
Field angle 10%: 18,7°

Cut off angle 2.5%: 27,3°

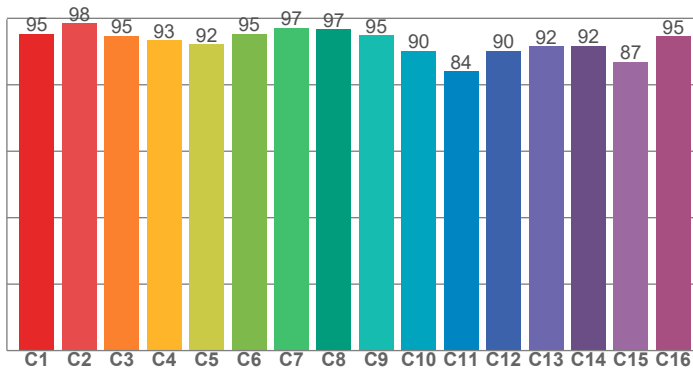
Spectra



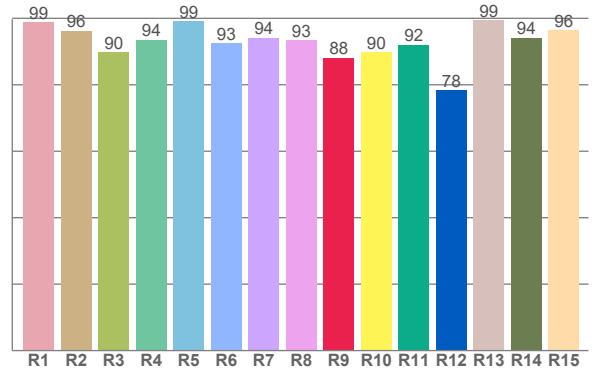
COLOR DETAILS



TM30: 92,9



CRI: 94,7 (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
98,9	96,3	89,9	93,5	99,2	92,5	94,1	93,5	88,1	89,9	92,1	78,3	99,4	94,1	96,3

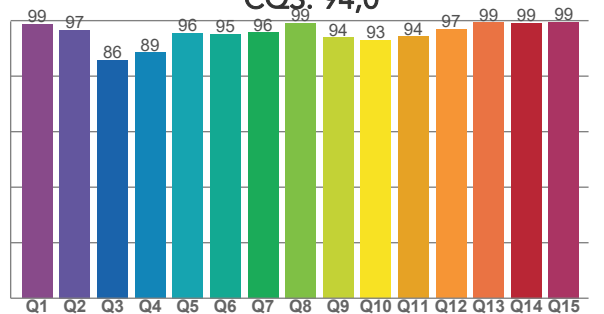
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,3	98,4	94,8	93,3	92,1	95,4	97,2	96,7	94,9	90,3	84,0	90,2	91,5	91,8	87,0	94,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,7	96,7	85,8	88,5	95,5	95,2	95,7	99,1	93,9	93,1	94,3	96,9	99,4	99,1	99,5

CQS: 94,0



COLOR PARAMETERS

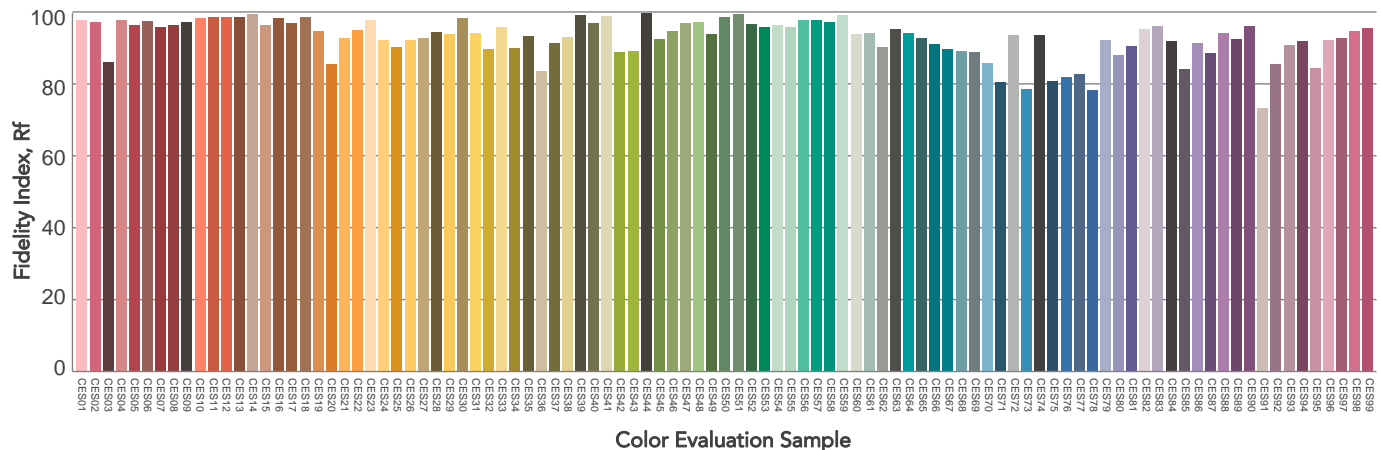
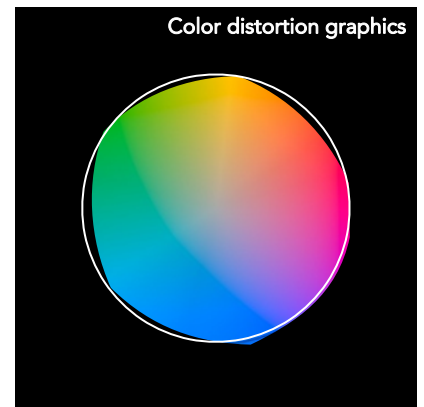
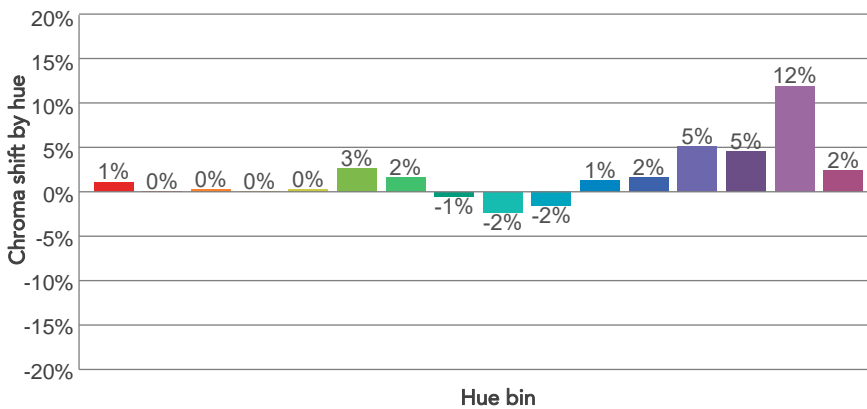
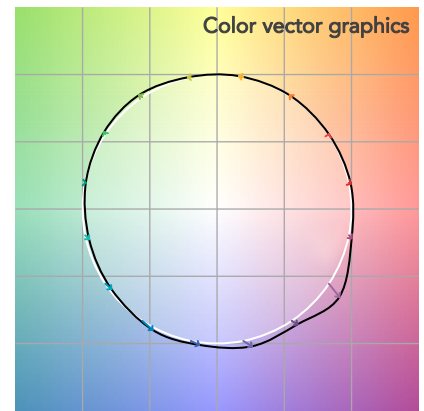
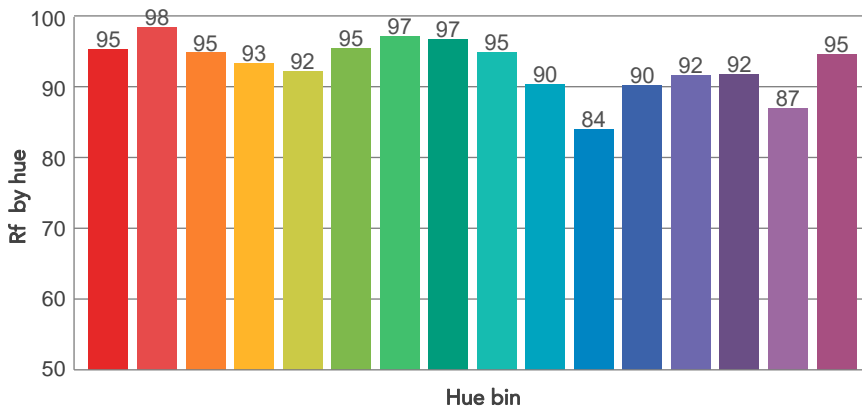
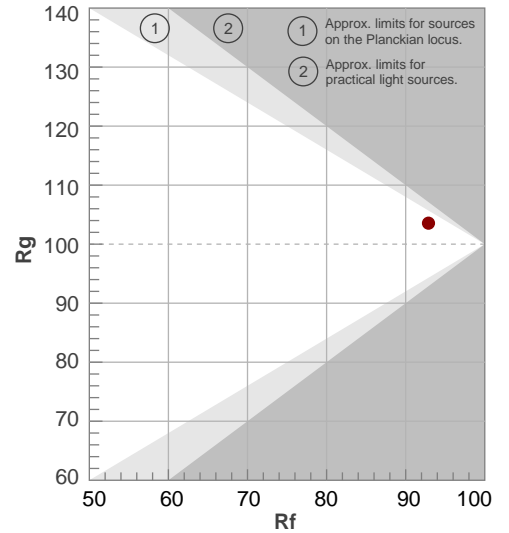
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6023 K	94,7	88,1	92,9	103,6	94,0	98	0,322	0,332	0,0031

TM30 DETAILS

Rf 92,9
Fidelity index Rf

Rg 103,6
Gammut index

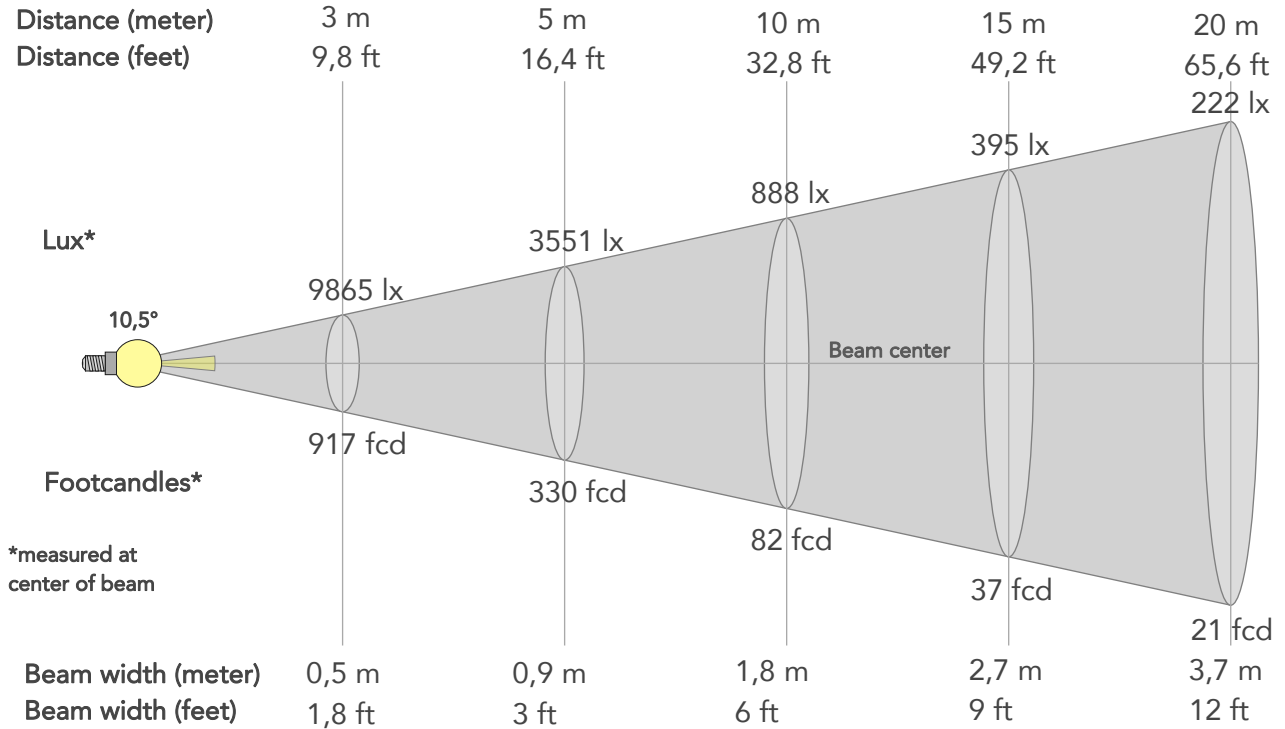
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	1%	-1%
2	98	0%	0%
3	95	0%	2%
4	93	0%	3%
5	92	0%	2%
6	95	3%	1%
7	97	2%	-1%
8	97	-1%	0%
9	95	-2%	3%
10	90	-2%	6%
11	84	1%	10%
12	90	2%	7%
13	92	5%	6%
14	92	5%	2%
15	87	12%	-4%
16	95	2%	-2%



BEAM DETAILS



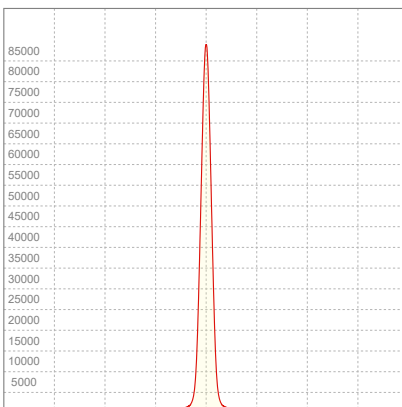
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,5°	18,7°	27,3°	96,6%	92,8%



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	88786lx	22197lx	9865lx	5549lx	3551lx	1578lx	888lx	395lx	222lx	142lx	99lx	55lx	36lx
Footcand.	8249fcd	2062fcd	917fcd	516fcd	330fcd	147fcd	82fcd	37fcd	21fcd	13fcd	9fcd	5fcd	3fcd
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	24,1ft	30,1ft

LINEAR DISTRIBUTION DIAGRAM

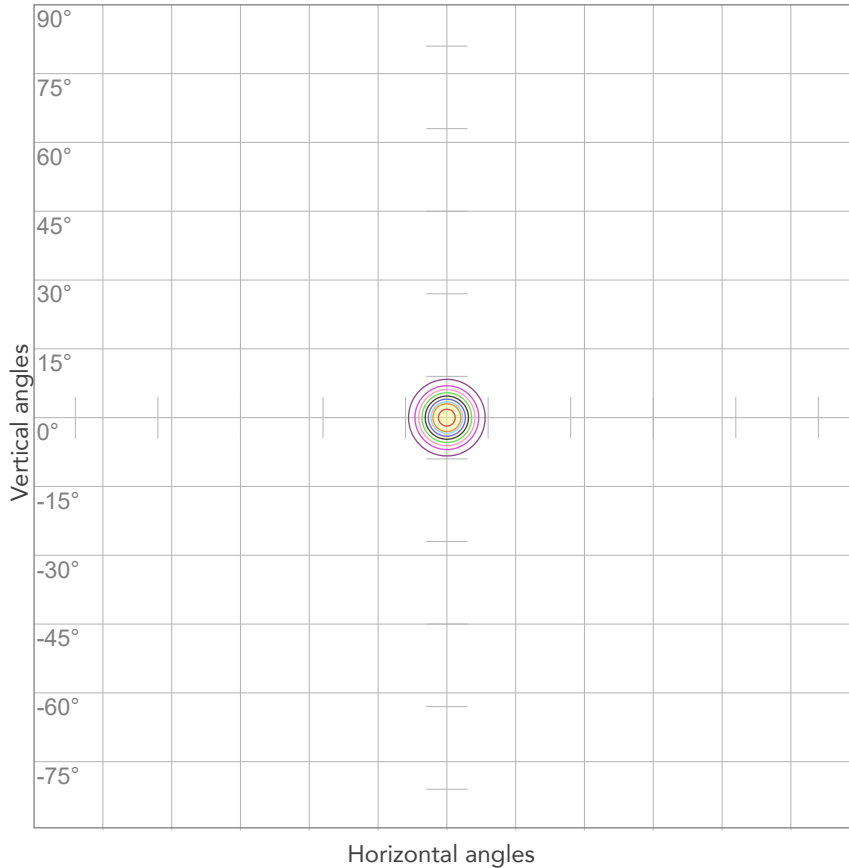


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,376A	78,0W	0,92	60lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



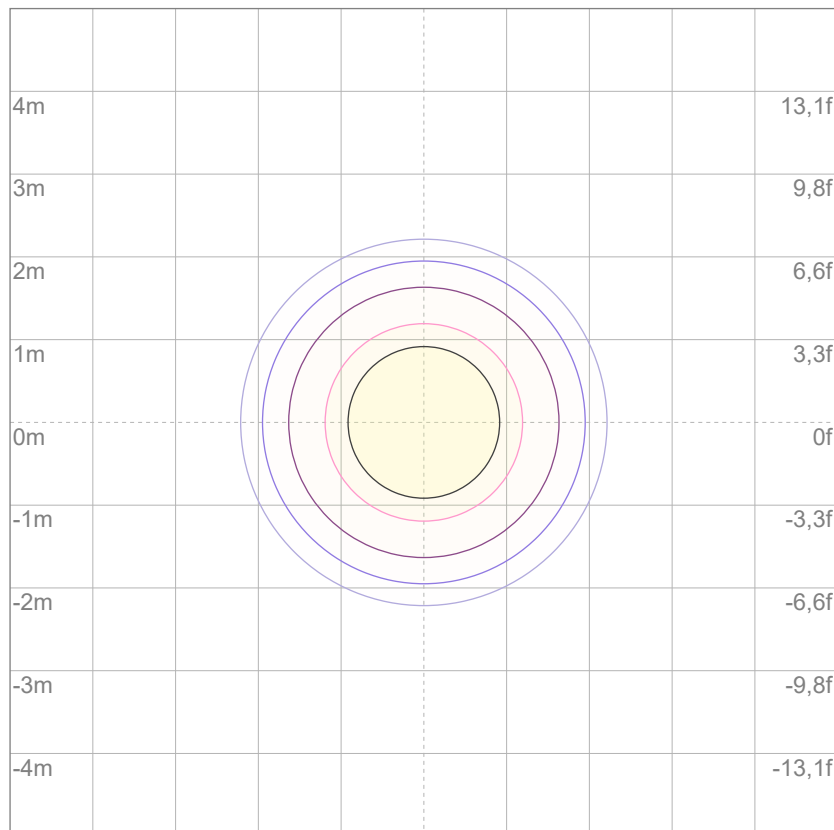
10%	8879 cd
20%	17757 cd
30%	26636 cd
40%	35515 cd
50%	44393 cd
60%	53272 cd
70%	62151 cd
80%	71029 cd

Conditions:

Number of c-planes: 2

Candela at center: 88786 cd

ISO LUX DIAGRAM



3%	26,6 lx
5%	44,4 lx
10%	88,8 lx
30%	266 lx
50%	444 lx

Conditions:

Number of c-planes: 2

Lux at center: 888 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:

4283 lm

Peak candela output:

81857 cd

Light quality:

CRI: 94,3

Color temperature:

6569 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

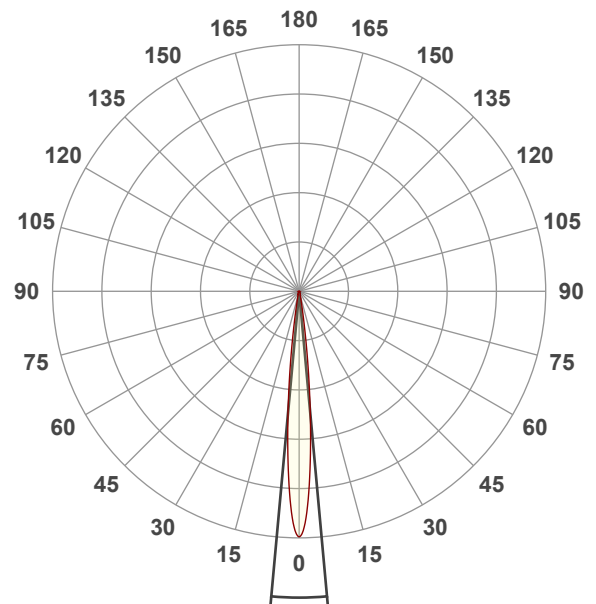
6500K

Operator:

Giacomo Matteo

Date and time:

21/02/2024 16:21:12

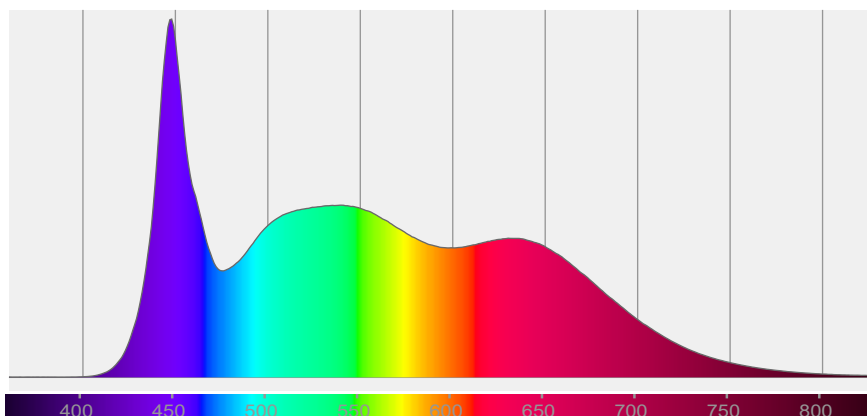


Beam angle 50%: 10,4°

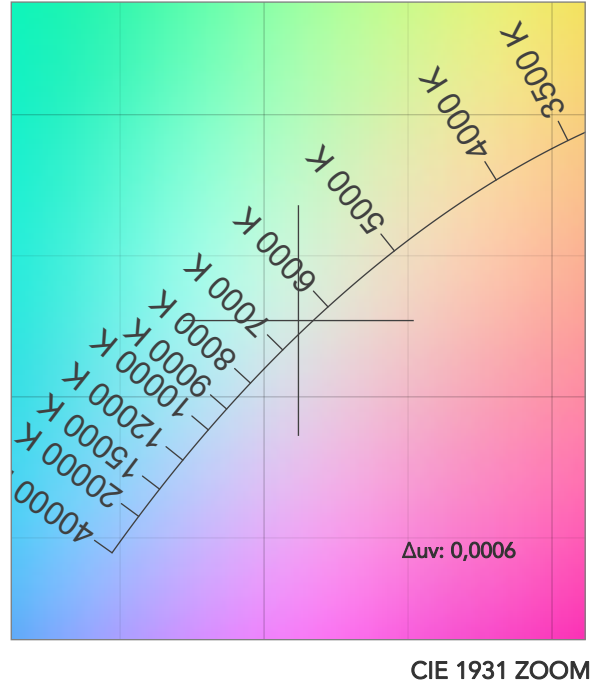
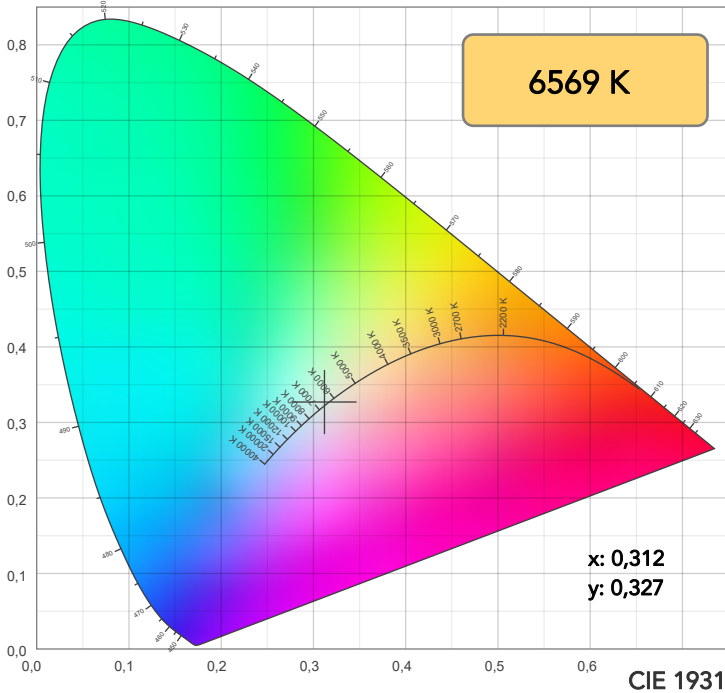
Field angle 10%: 18,7°

Cut off angle 2.5%: 27,3°

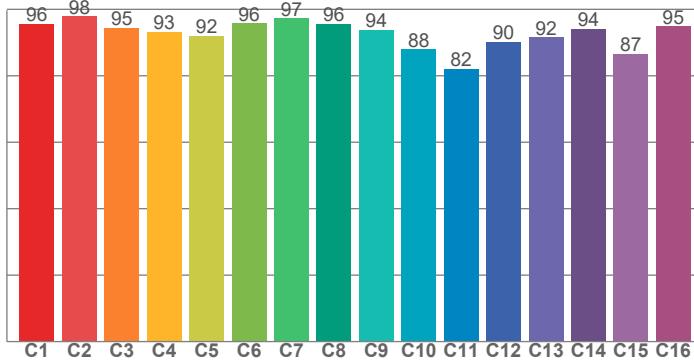
Spectra



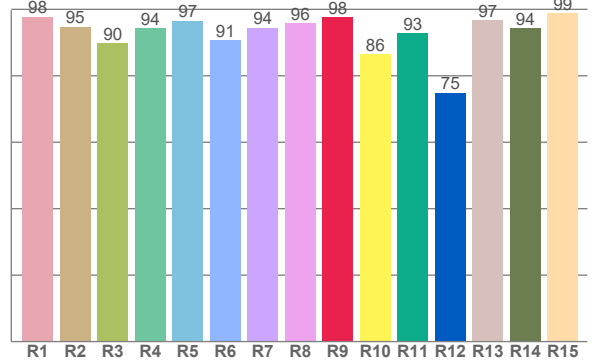
COLOR DETAILS



TM30: 92,6



CRI: 94,3 (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
97,7	94,7	89,8	94,3	96,6	90,8	94,5	95,9	97,6	86,4	92,8	74,9	96,8	94,3	98,7

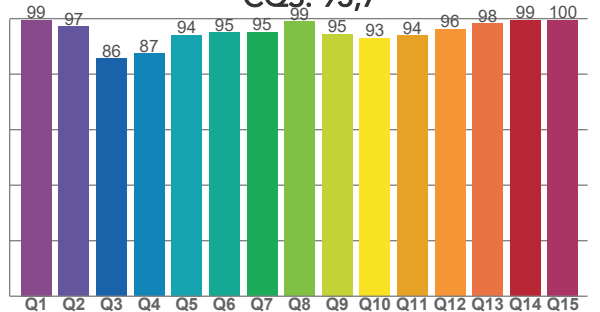
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,7	97,9	94,5	93,2	92,0	95,8	97,3	95,6	93,8	87,9	82,1	90,3	91,6	94,1	86,6	94,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,5	97,1	85,7	87,4	94,0	95,0	95,1	99,0	94,5	93,0	93,9	96,3	98,2	99,4	99,5

CQS: 93,7



COLOR PARAMETERS

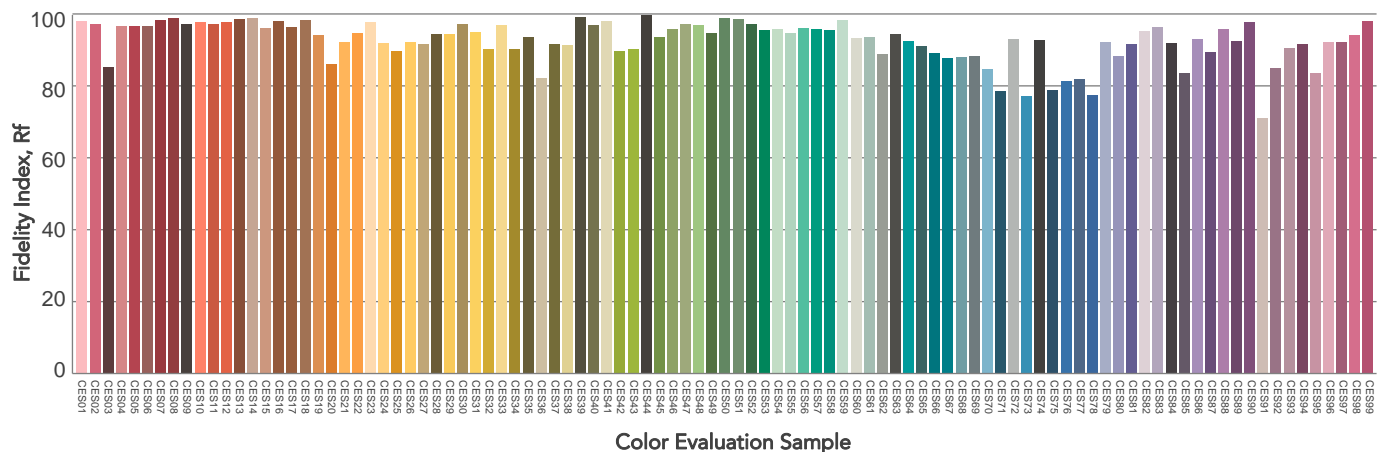
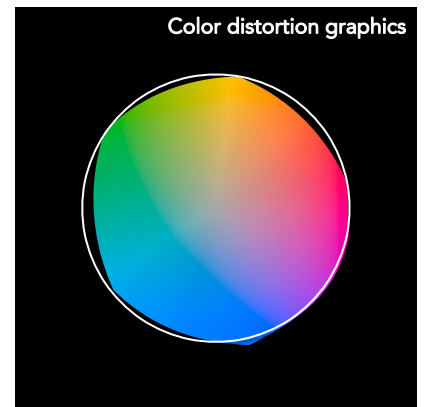
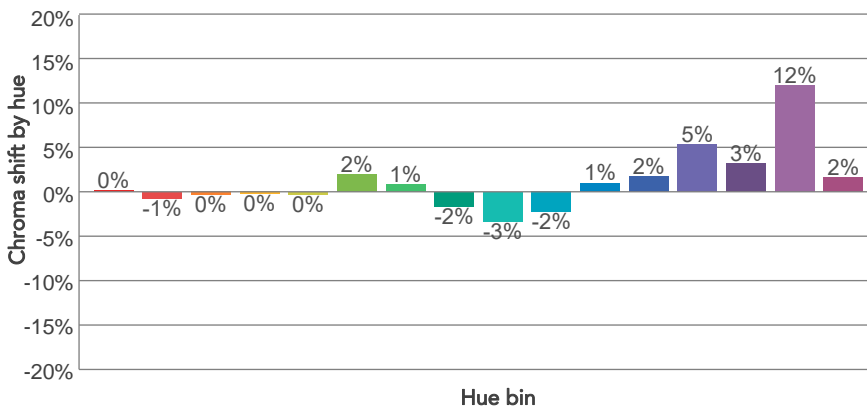
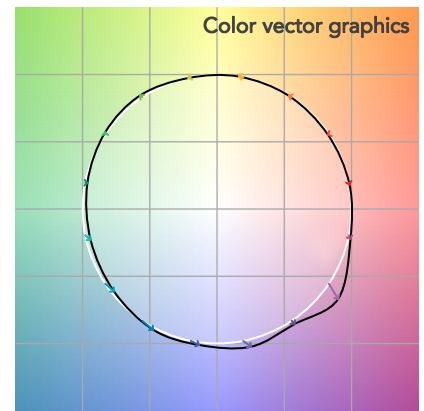
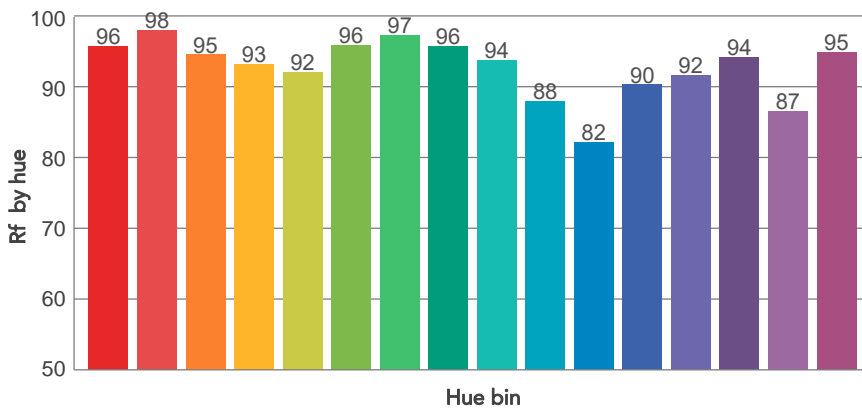
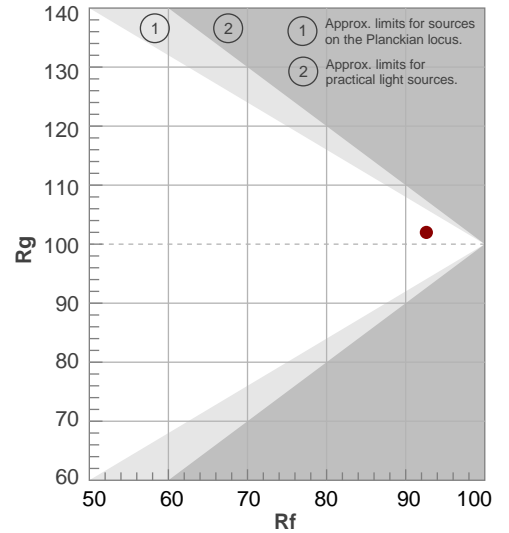
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6569 K	94,3	97,6	92,6	102,0	93,7	98	0,312	0,327	0,0006

TM30 DETAILS

Rf 92,6
Fidelity index Rf

Rg 102,0
Gammut index

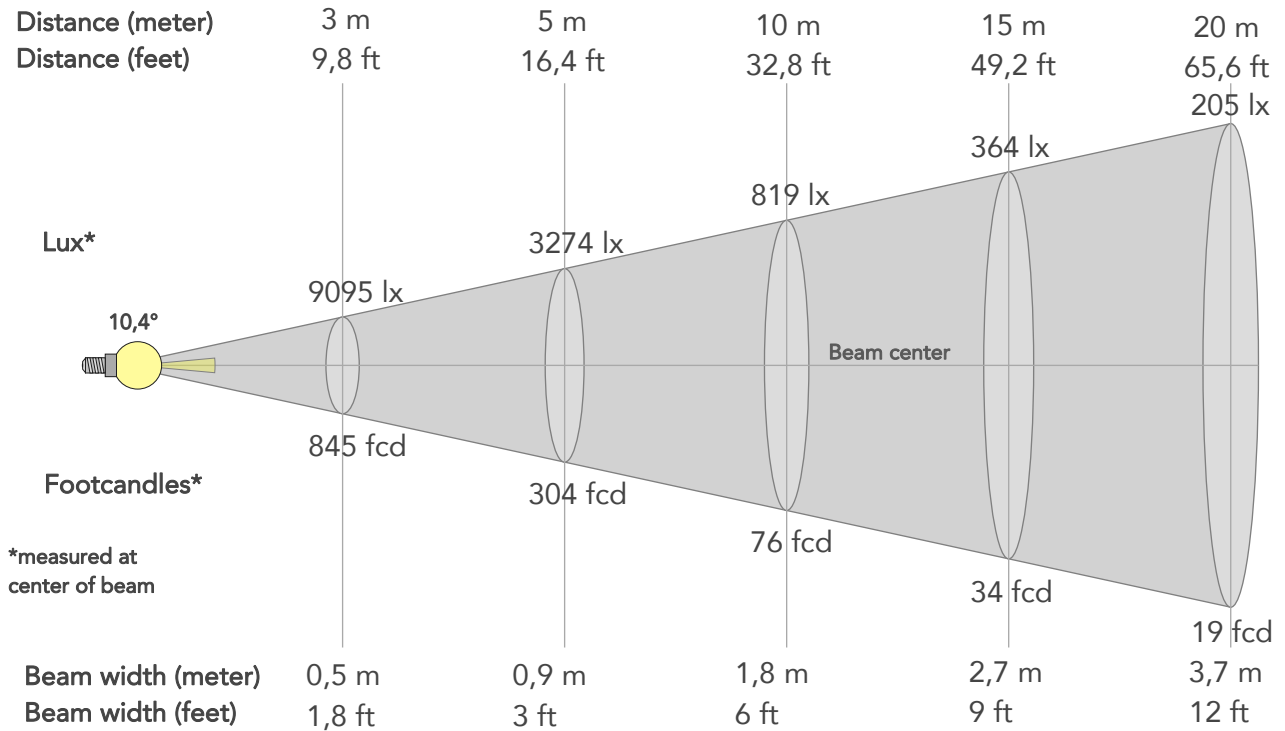
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	98	-1%	0%
3	95	0%	2%
4	93	0%	3%
5	92	0%	2%
6	96	2%	1%
7	97	1%	-1%
8	96	-2%	0%
9	94	-3%	4%
10	88	-2%	8%
11	82	1%	10%
12	90	2%	7%
13	92	5%	5%
14	94	3%	0%
15	87	12%	-6%
16	95	2%	-2%



BEAM DETAILS



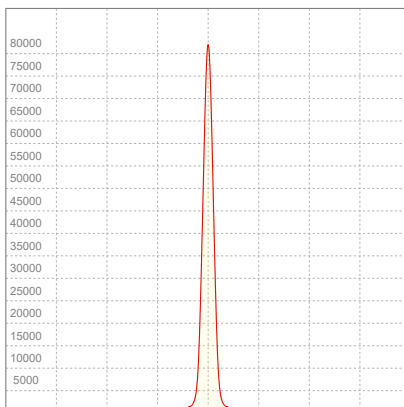
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,4°	18,7°	27,3°	97,0%	93,0%



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	81857lx	20464lx	9095lx	5116lx	3274lx	1455lx	819lx	364lx	205lx	131lx	91lx	51lx	33lx
Footcand.	7605fcd	1901fcd	845fcd	475fcd	304fcd	135fcd	76fcd	34fcd	19fcd	12fcd	8fcd	5fcd	3fcd
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	9,1m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	6ft	9ft	12ft	15ft	18ft	24ft	30ft

LINEAR DISTRIBUTION DIAGRAM

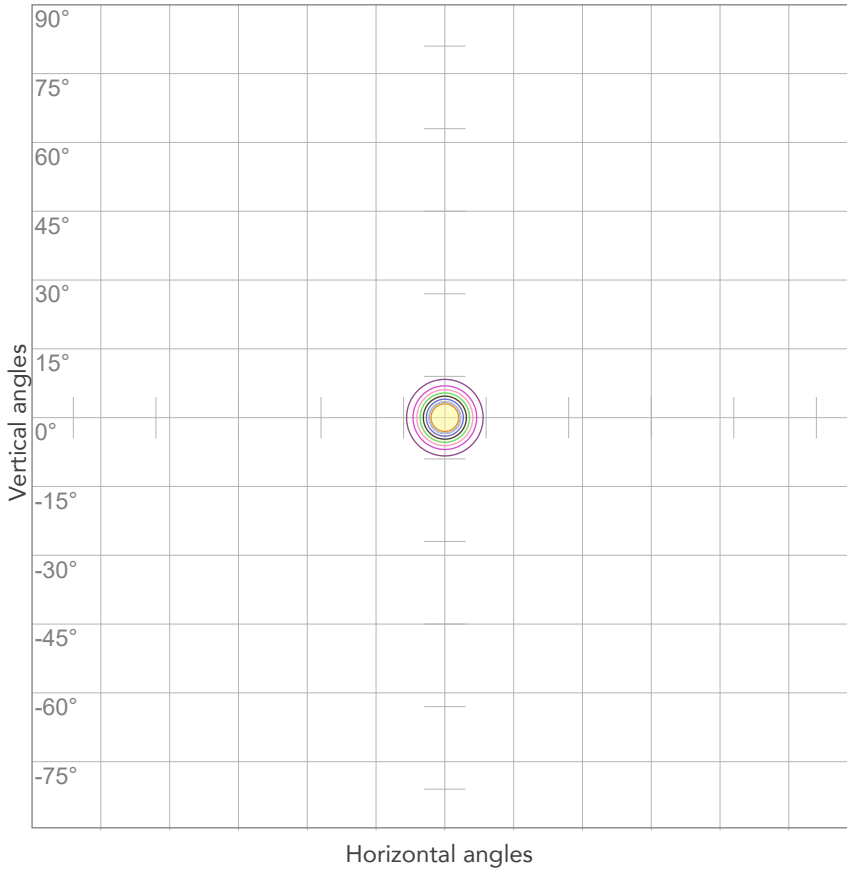


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,340A	70,4W	0,91	61lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



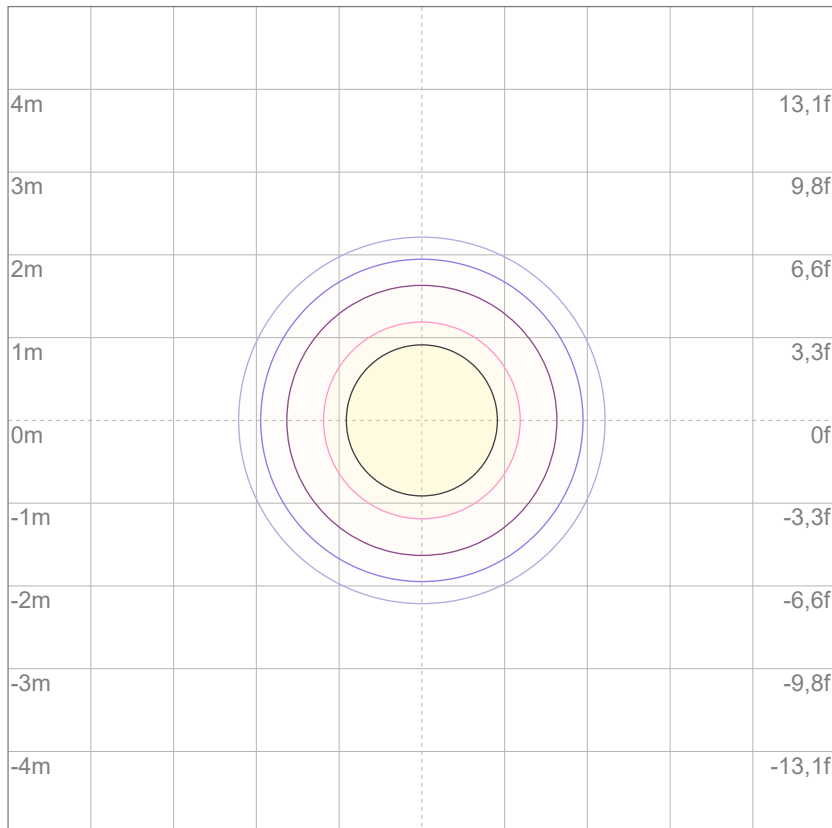
10%	8186 cd
20%	16371 cd
30%	24557 cd
40%	32743 cd
50%	40929 cd
60%	49114 cd
70%	57300 cd
80%	65486 cd

Conditions:

Number of c-planes: 2

Candela at center: 81857 cd

ISO LUX DIAGRAM



3%	24,6 lx
5%	40,9 lx
10%	81,9 lx
30%	246 lx
50%	409 lx

Conditions:

Number of c-planes: 2

Lux at center: 819 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:

4111 lm

Peak candela output:

15707 cd

Light quality:

CRI: 94,4

Color temperature:

6517 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

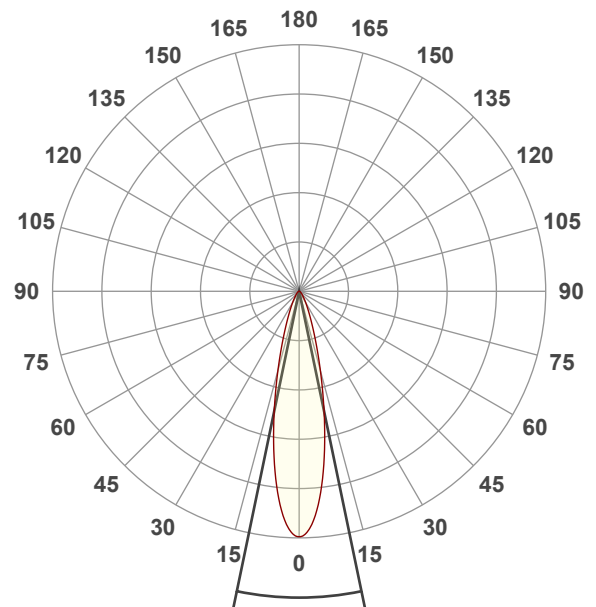
6500K

Operator:

Giacomo Matteo

Date and time:

21/02/2024 16:15:36

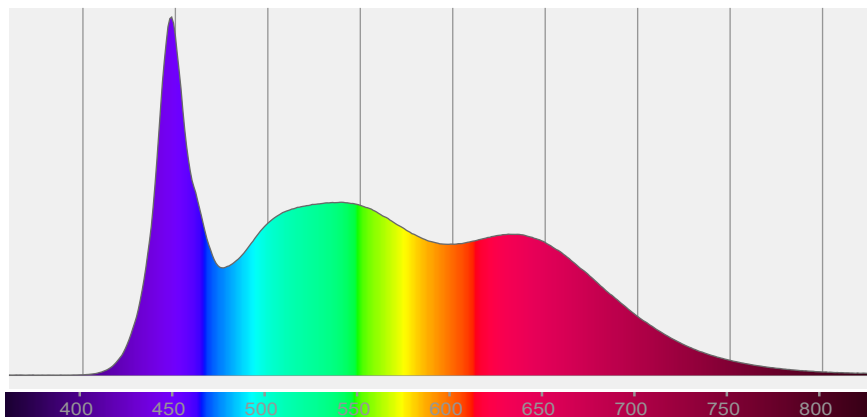


Beam angle 50%: 23,5°

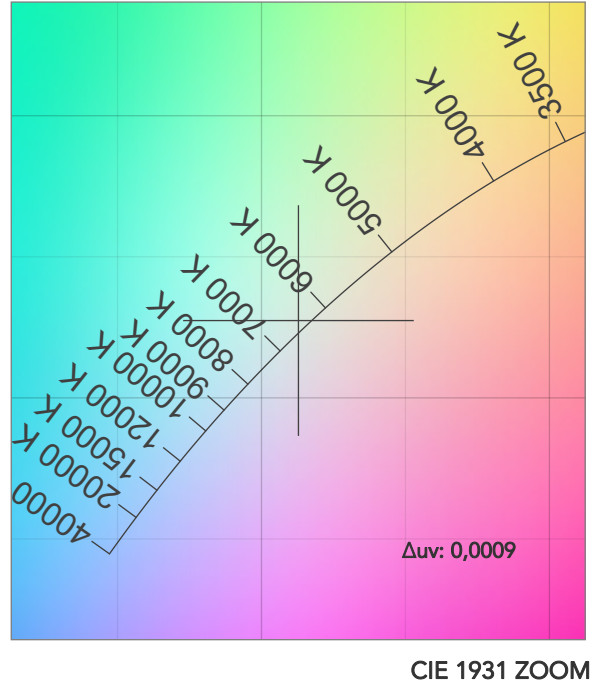
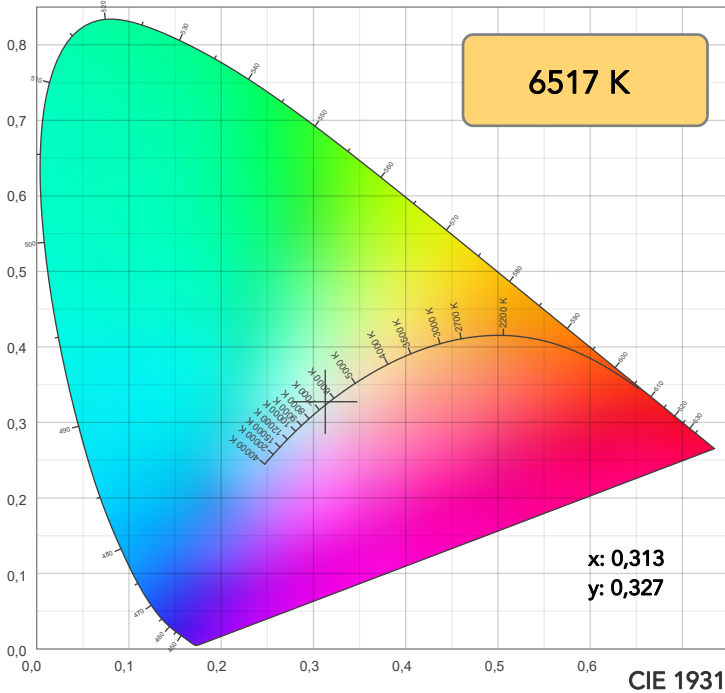
Field angle 10%: 48,5°

Cut off angle 2.5%: 76,4°

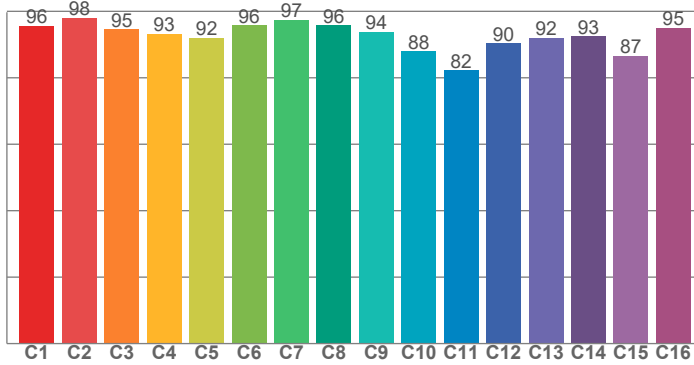
Spectra



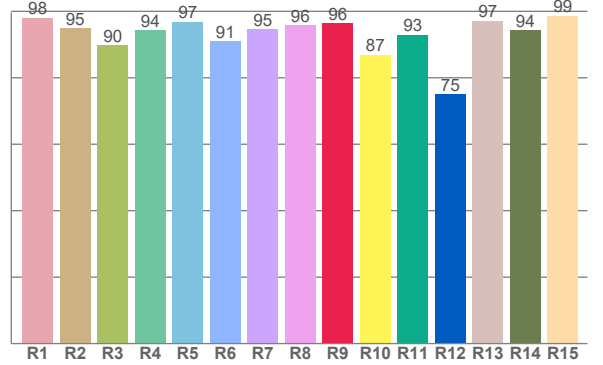
COLOR DETAILS



TM30: 92,7



CRI: 94,4 (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
98,1	95,0	89,9	94,4	96,9	91,0	94,6	95,8	96,5	86,9	92,9	75,1	97,1	94,3	98,7

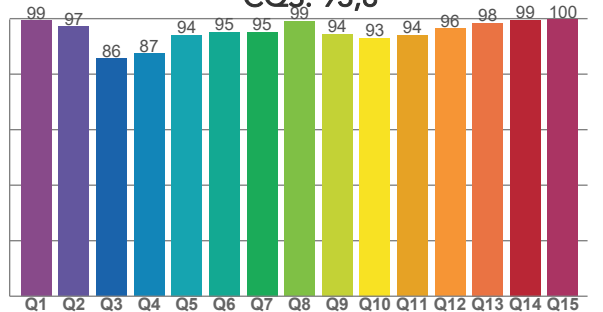
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,7	98,0	94,6	93,2	92,0	95,8	97,4	95,8	93,8	88,0	82,2	90,3	92,0	92,5	86,6	95,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,3	97,1	85,7	87,4	94,1	95,2	95,2	99,0	94,5	93,0	94,0	96,4	98,4	99,5	99,7

CQS: 93,8



COLOR PARAMETERS

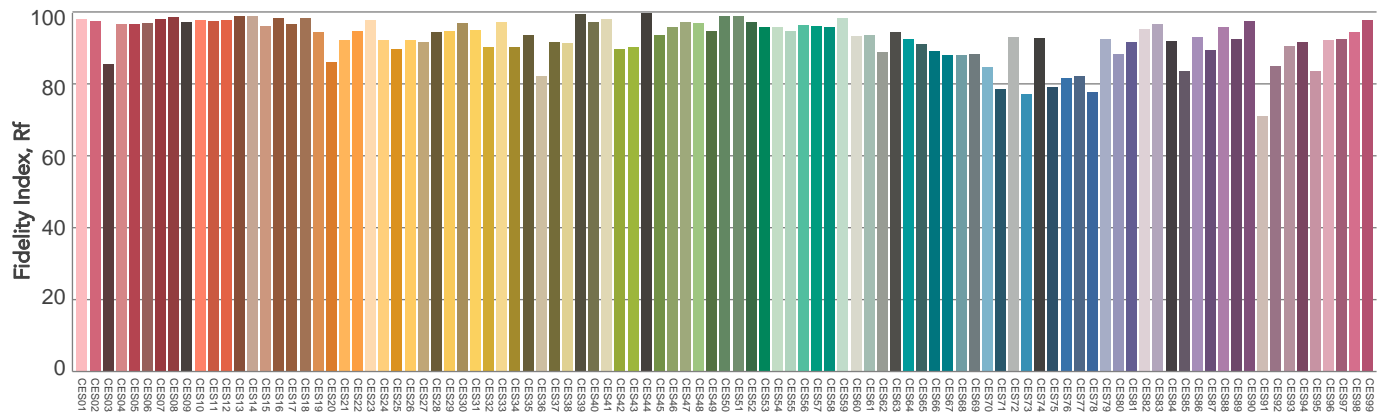
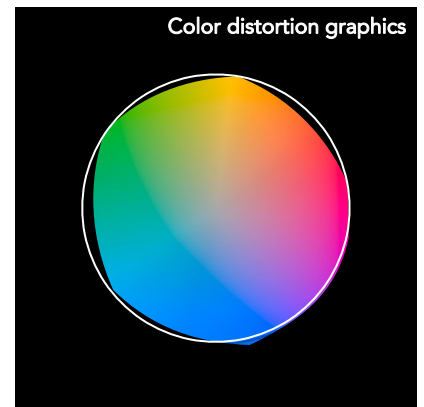
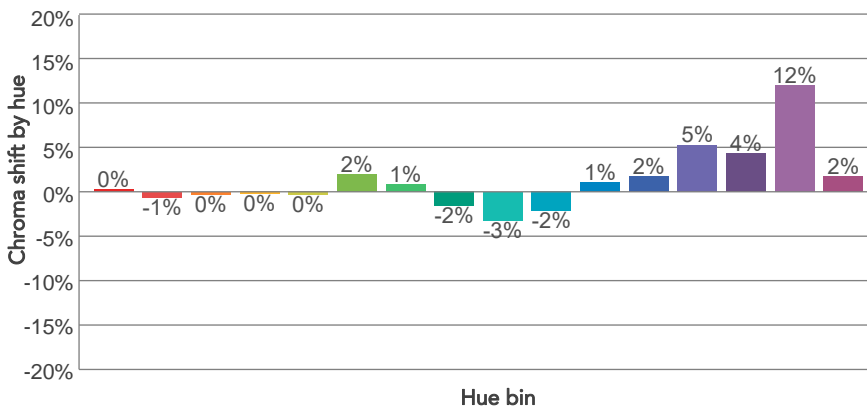
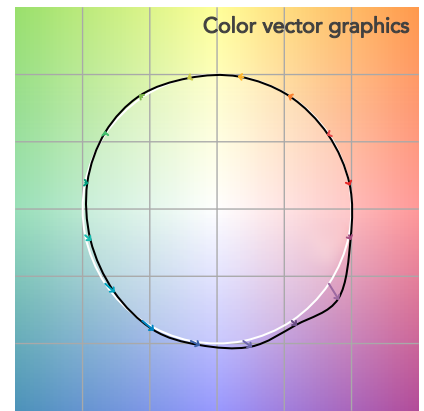
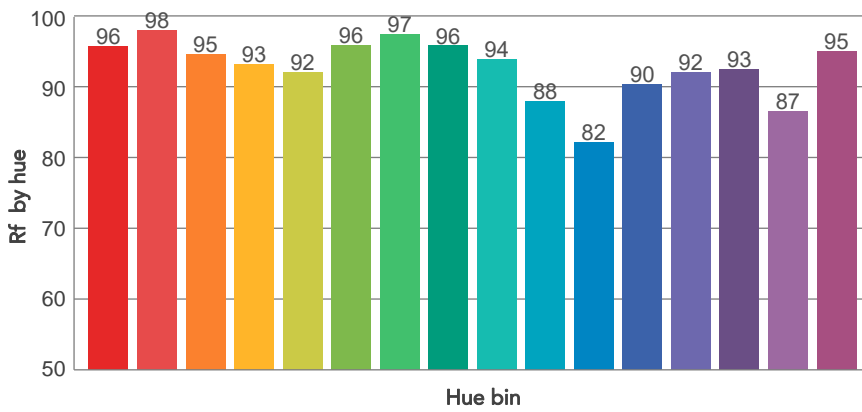
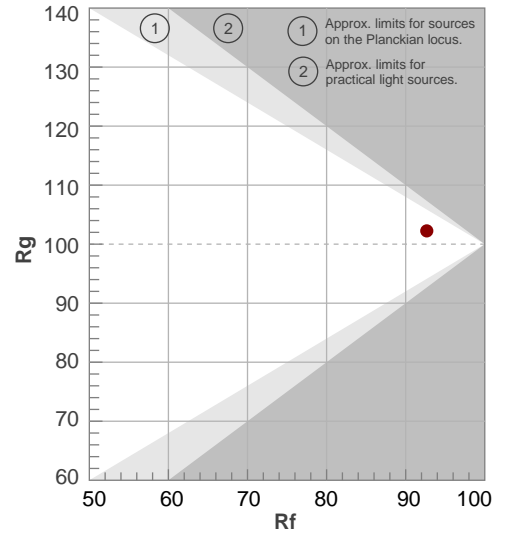
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6517 K	94,4	96,5	92,7	102,2	93,8	98	0,313	0,327	0,0009

TM30 DETAILS

Rf 92,7
Fidelity index Rf

Rg 102,2
Gammut index

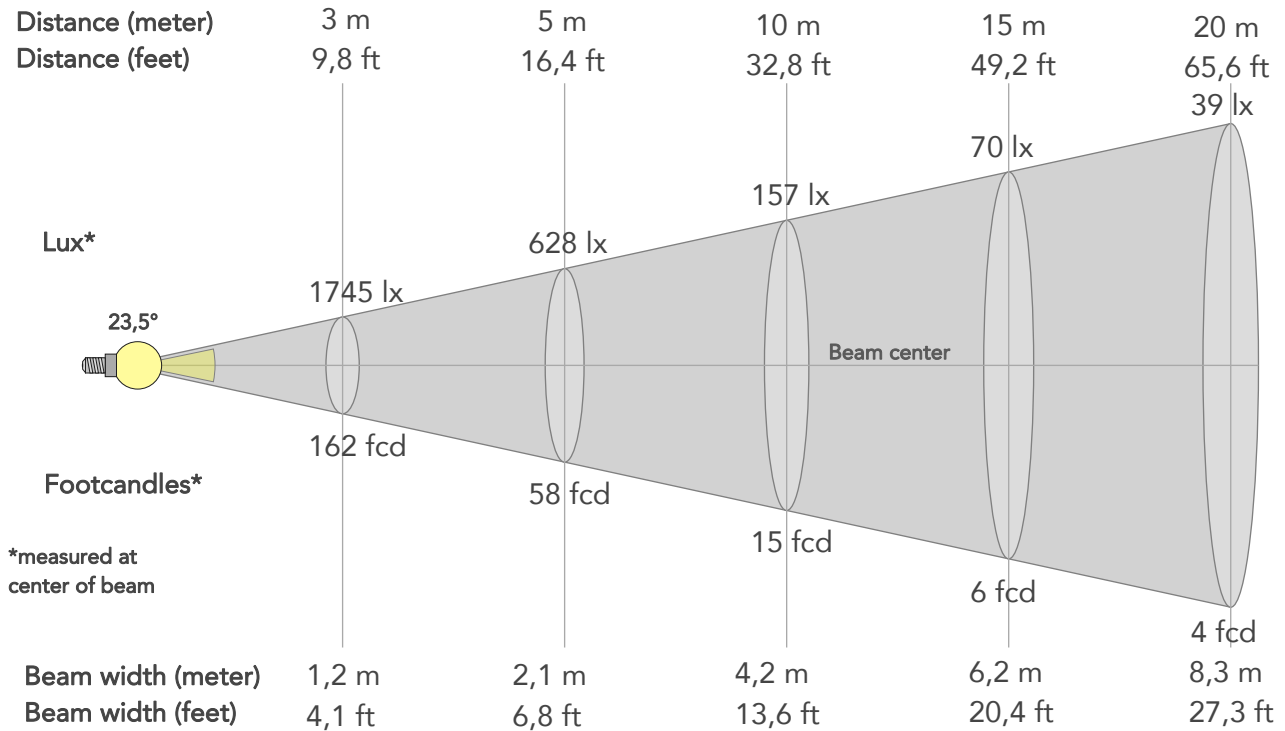
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	98	-1%	0%
3	95	0%	2%
4	93	0%	3%
5	92	0%	2%
6	96	2%	1%
7	97	1%	-1%
8	96	-2%	0%
9	94	-3%	4%
10	88	-2%	8%
11	82	1%	10%
12	90	2%	6%
13	92	5%	5%
14	93	4%	1%
15	87	12%	-5%
16	95	2%	-2%



BEAM DETAILS



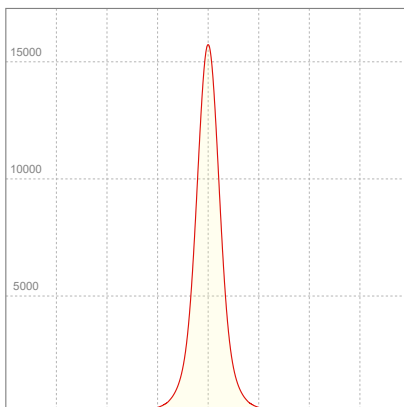
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,5°	48,5°	76,4°	96,8%	91,7%



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	15707lx	3927lx	1745lx	982lx	628lx	279lx	157lx	70lx	39lx	25lx	17lx	10lx	6lx
Footcand.	1459fcd	365fcd	162fcd	91fcd	58fcd	26fcd	15fcd	6fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,2m	6,2m	8,3m	10,4m	12,5m	16,6m	20,8m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,3ft	34,1ft	40,9ft	54,5ft	68,2ft

LINEAR DISTRIBUTION DIAGRAM

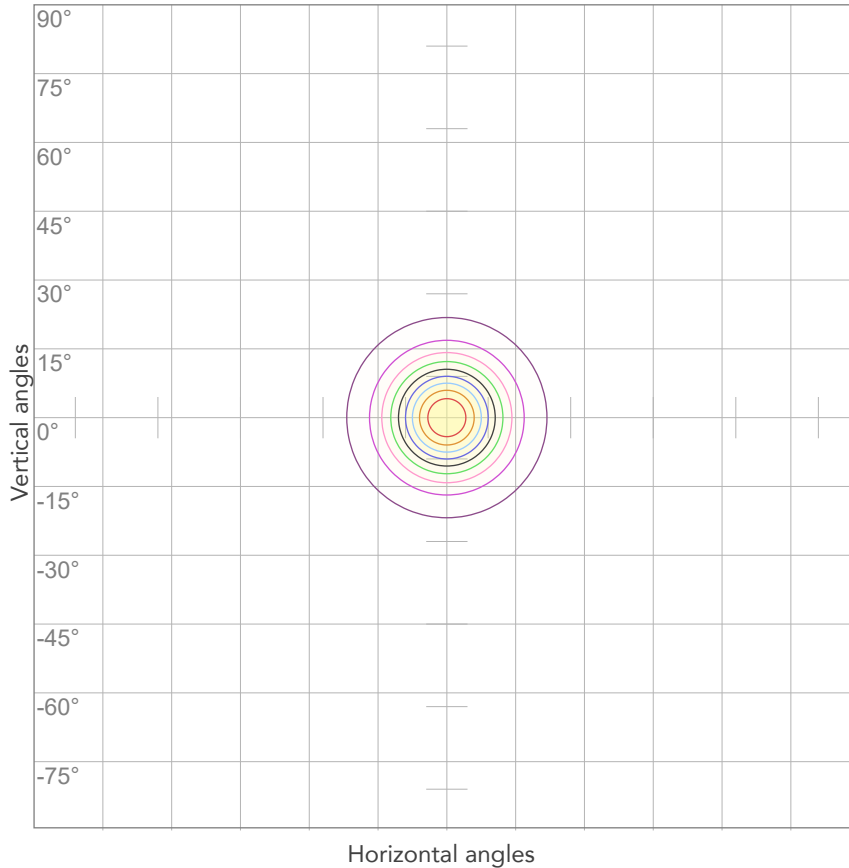


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,341A	70,5W	0,91	58lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



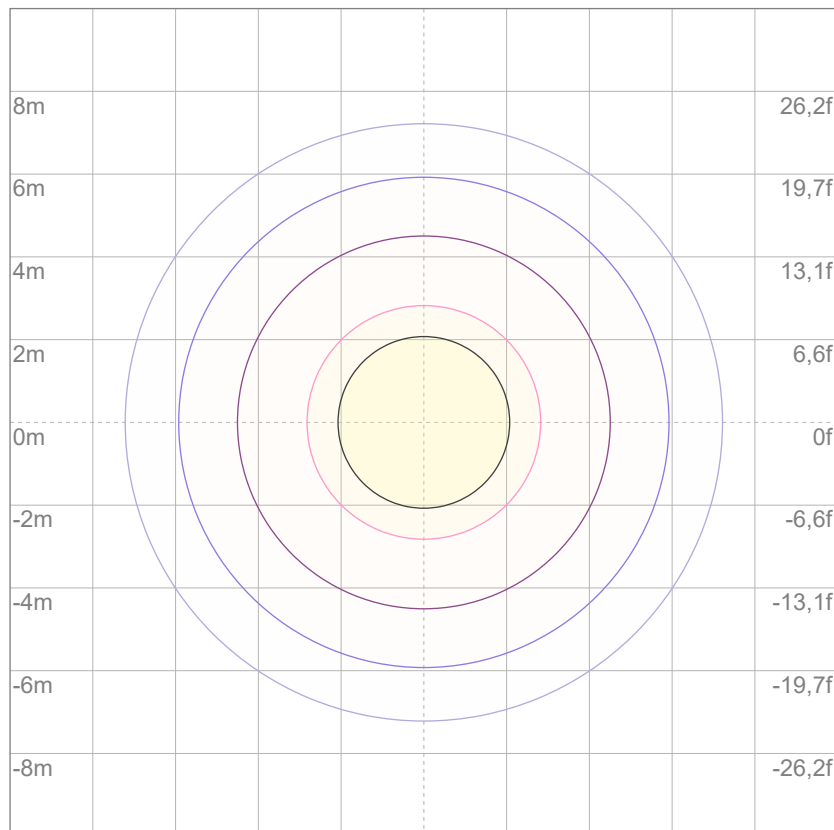
10%	1571 cd
20%	3141 cd
30%	4712 cd
40%	6283 cd
50%	7853 cd
60%	9424 cd
70%	10995 cd
80%	12565 cd

Conditions:

Number of c-planes: 2

Candela at center: 15707 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	4,71 lx
5%	7,85 lx
10%	15,7 lx
30%	47,1 lx
50%	78,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 157 lx

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



Total lumen output:

3916 lm

Peak candela output:

5117 cd

Light quality:

CRI: 94,4

Color temperature:

6508 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

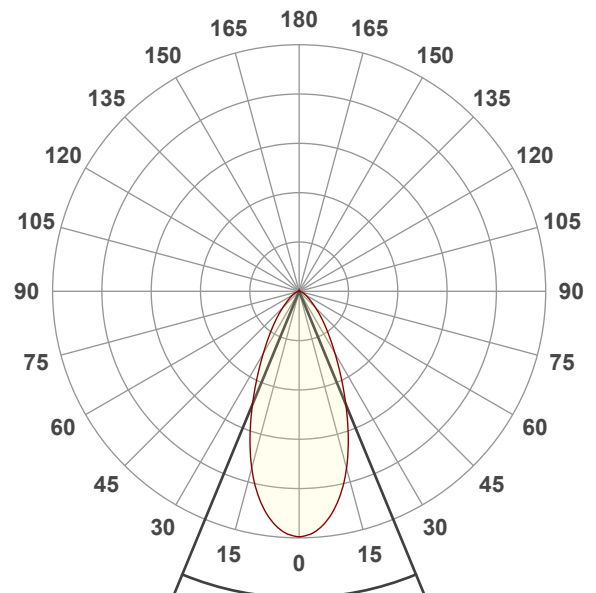
6500K

Operator:

Giacomo Matteo

Date and time:

21/02/2024 16:45:24

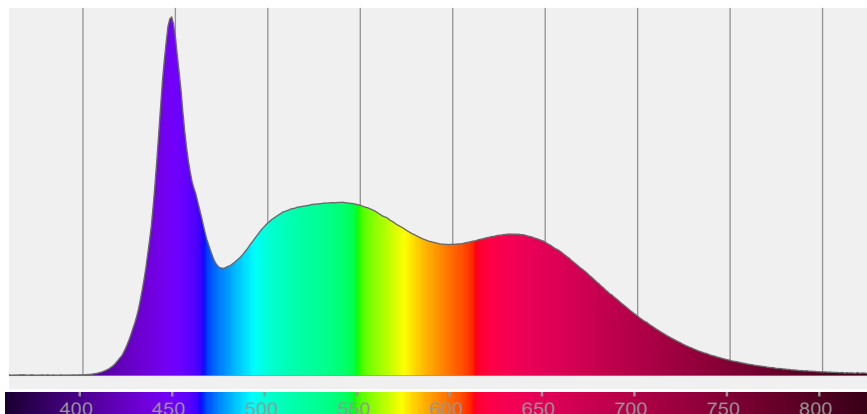


Beam angle 50%: 44,9°

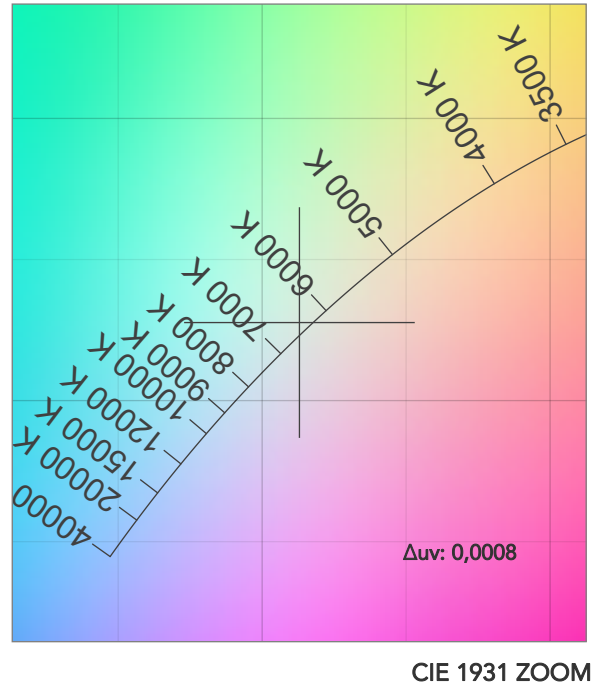
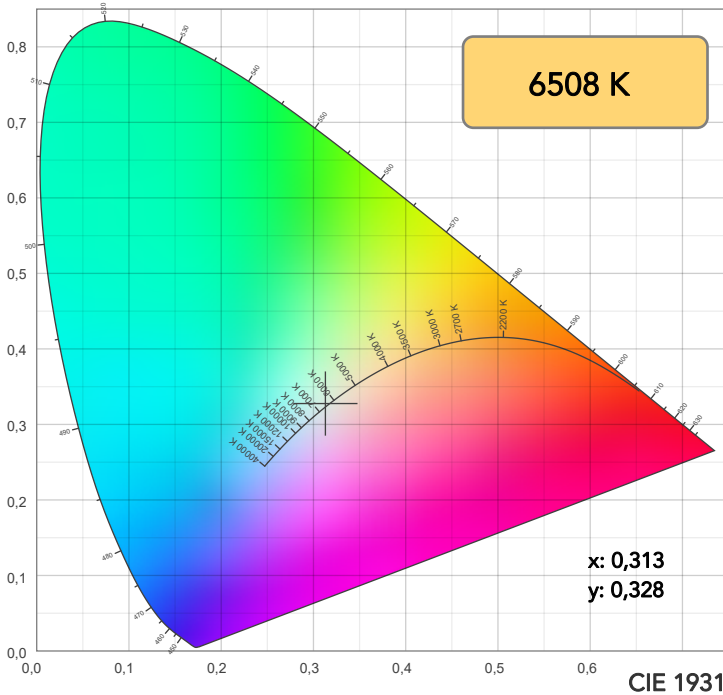
Field angle 10%: 88,7°

Cut off angle 2.5%: 126,6°

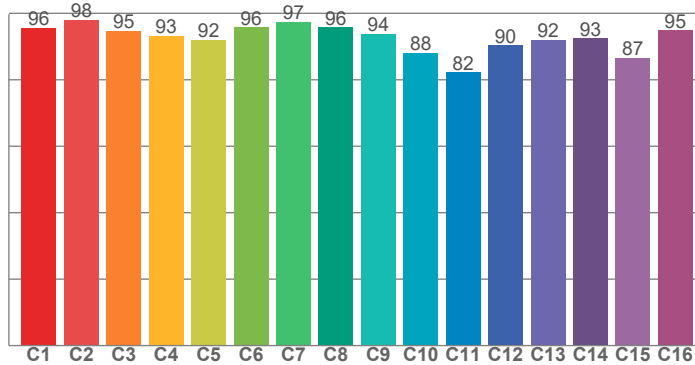
Spectra



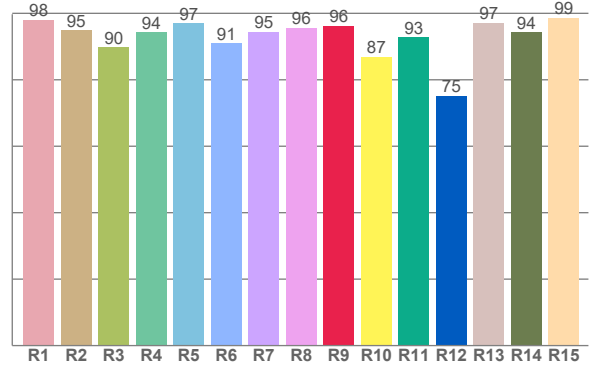
COLOR DETAILS



TM30: 92,7



CRI: 94,4 (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
98,1	94,9	89,8	94,3	96,9	91,0	94,5	95,7	96,3	86,9	92,8	75,2	97,1	94,3	98,7

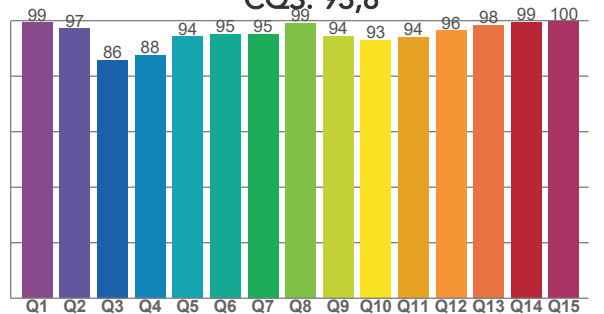
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,6	98,1	94,6	93,3	92,0	95,8	97,4	95,8	93,9	88,1	82,3	90,3	92,0	92,5	86,6	94,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,3	97,1	85,7	87,5	94,2	95,2	95,2	99,0	94,5	93,1	94,1	96,5	98,4	99,4	99,7

CQS: 93,8



COLOR PARAMETERS

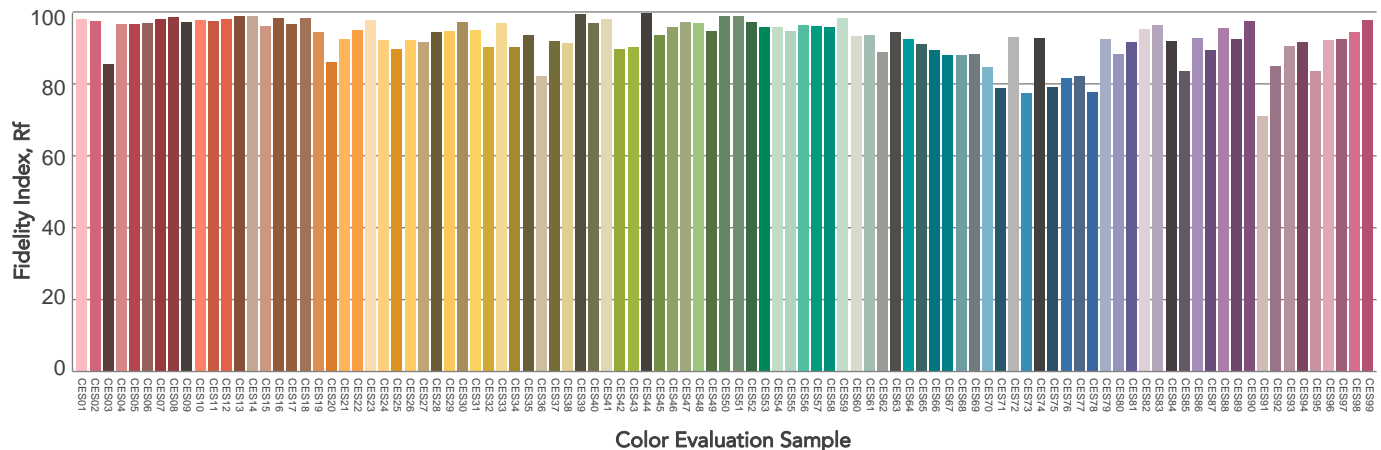
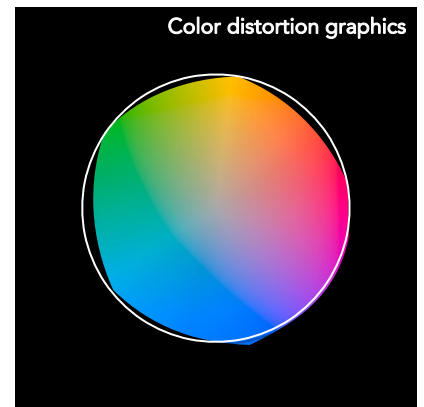
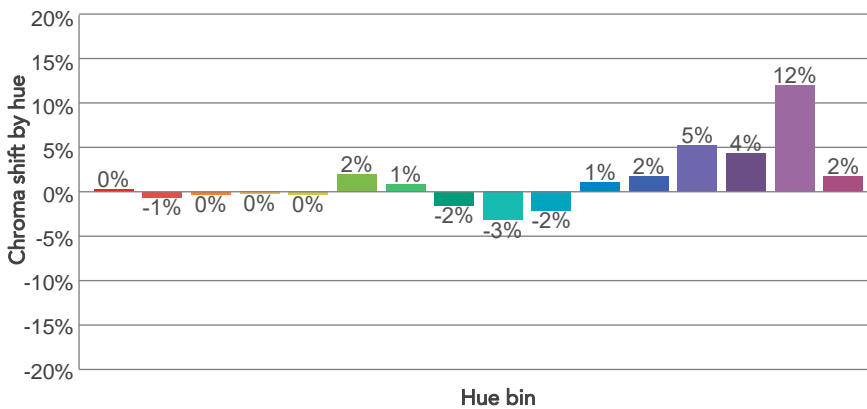
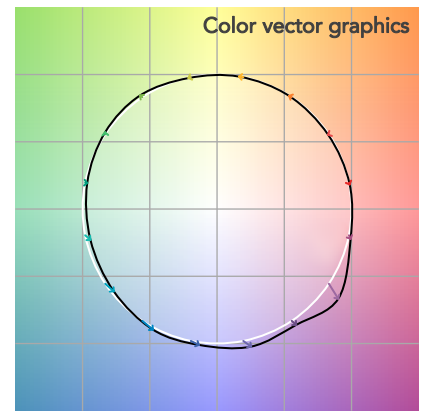
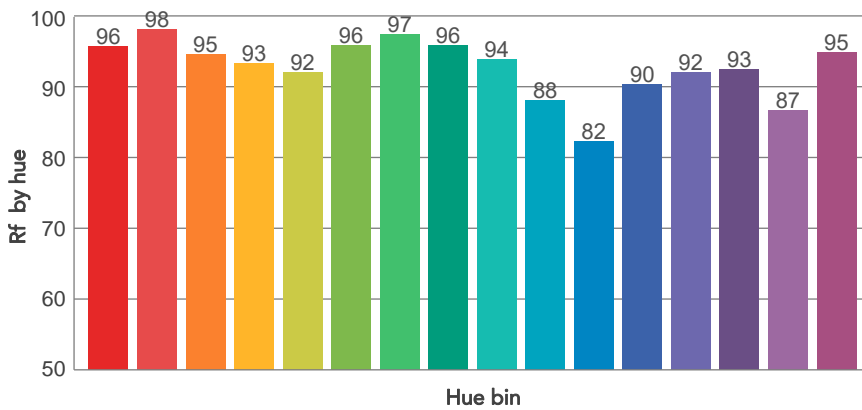
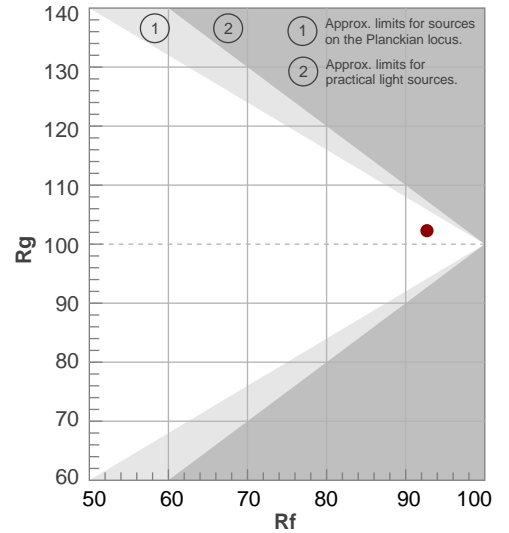
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6508 K	94,4	96,3	92,7	102,3	93,8	98	0,313	0,328	0,0008

TM30 DETAILS

Rf 92,7
Fidelity index Rf

Rg 102,3
Gammut index

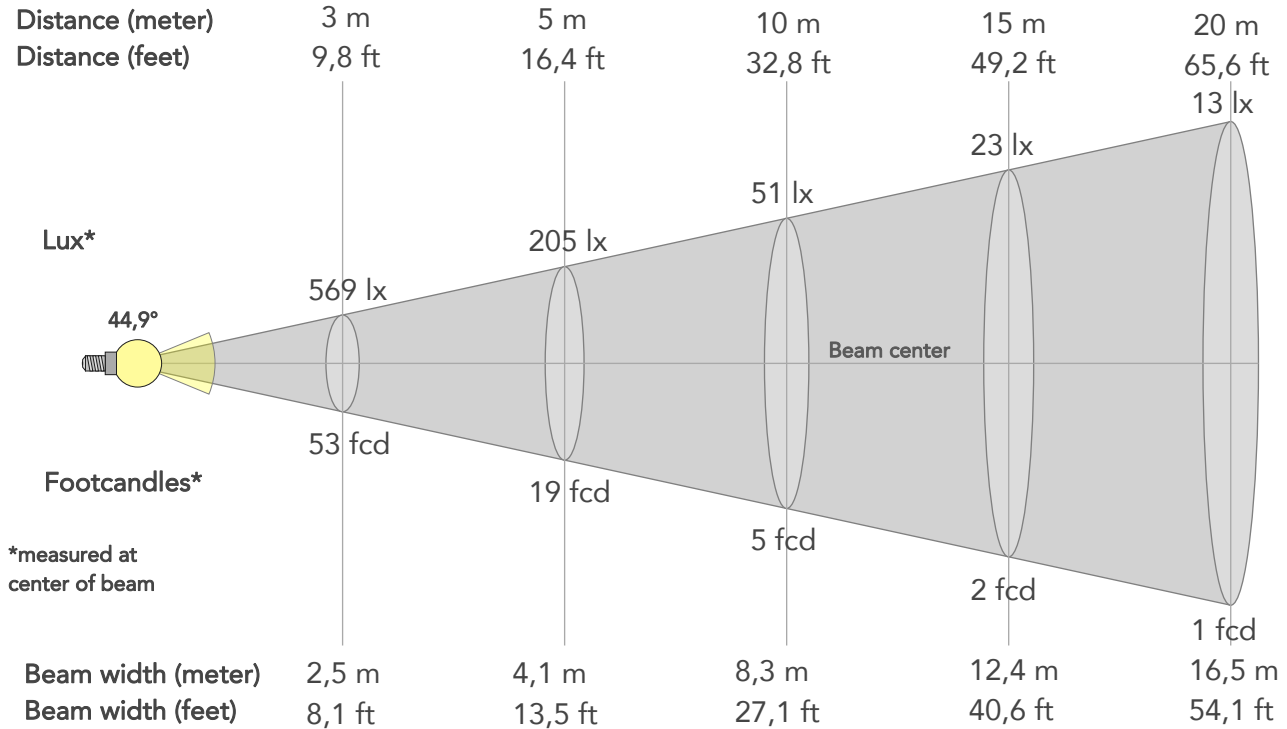
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	98	-1%	0%
3	95	0%	2%
4	93	0%	3%
5	92	0%	2%
6	96	2%	1%
7	97	1%	-1%
8	96	-2%	0%
9	94	-3%	4%
10	88	-2%	8%
11	82	1%	10%
12	90	2%	6%
13	92	5%	5%
14	93	4%	1%
15	87	12%	-5%
16	95	2%	-2%



BEAM DETAILS



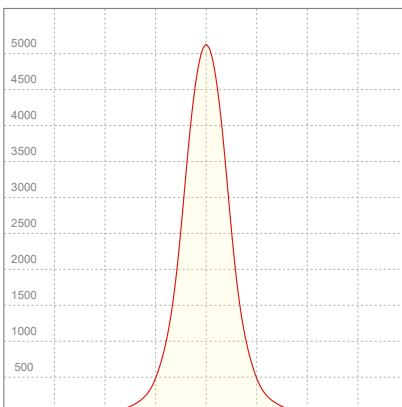
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,9°	88,7°	126,6°	95,6%	86,2%



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	5117lx	1279lx	569lx	320lx	205lx	91lx	51lx	23lx	13lx	8lx	6lx	3lx	2lx
Footcand.	475fcd	119fcd	53fcd	30fcd	19fcd	8fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,1m	6,2m	8,3m	12,4m	16,5m	20,6m	24,8m	33m	41,3m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,3ft	27,1ft	40,6ft	54,1ft	67,7ft	81,2ft	108,3ft	135,4ft

LINEAR DISTRIBUTION DIAGRAM

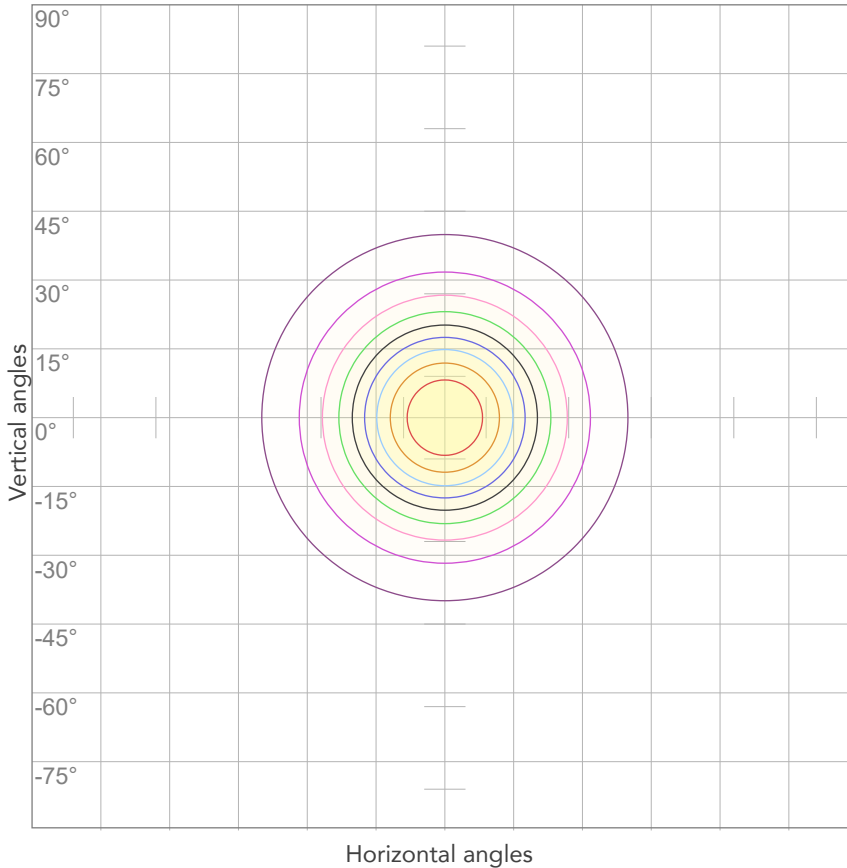


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,346A	71,4W	0,92	55lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



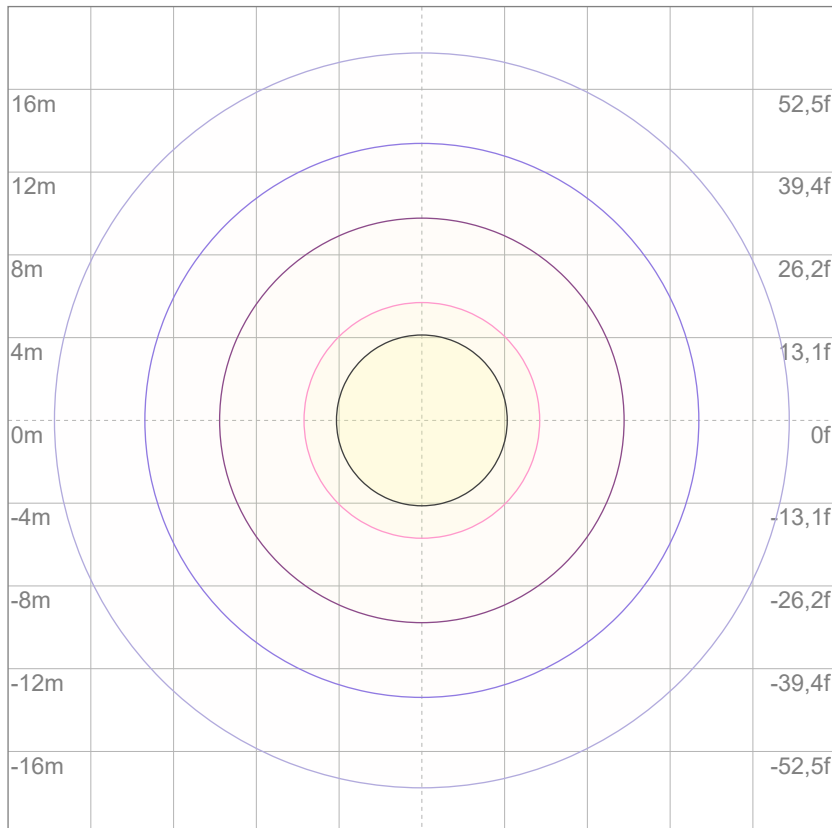
10%	512 cd
20%	1023 cd
30%	1535 cd
40%	2047 cd
50%	2558 cd
60%	3070 cd
70%	3582 cd
80%	4093 cd

Conditions:

Number of c-planes: 2

Candela at center: 5117 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,53 lx
5%	2,56 lx
10%	5,12 lx
30%	15,3 lx
50%	25,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 51,2 lx

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



Total lumen output:

3897 lm

Peak candela output:

3436 cd

Light quality:

CRI: 94,3

Color temperature:

6534 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

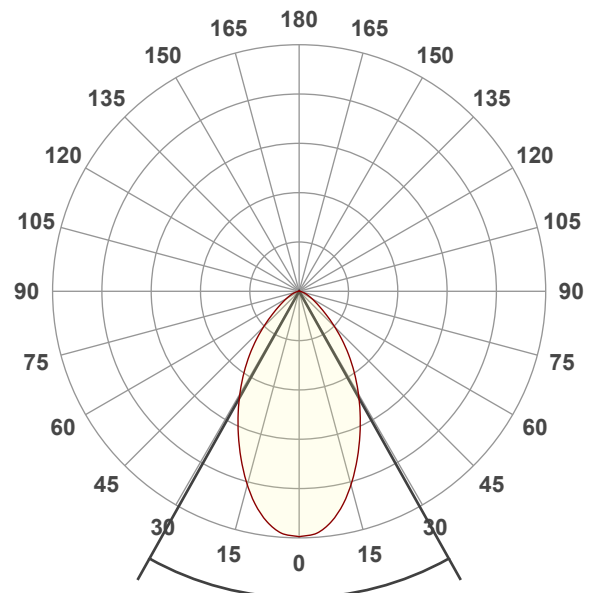
6500K

Operator:

Giacomo Matteo

Date and time:

21/02/2024 17:30:09

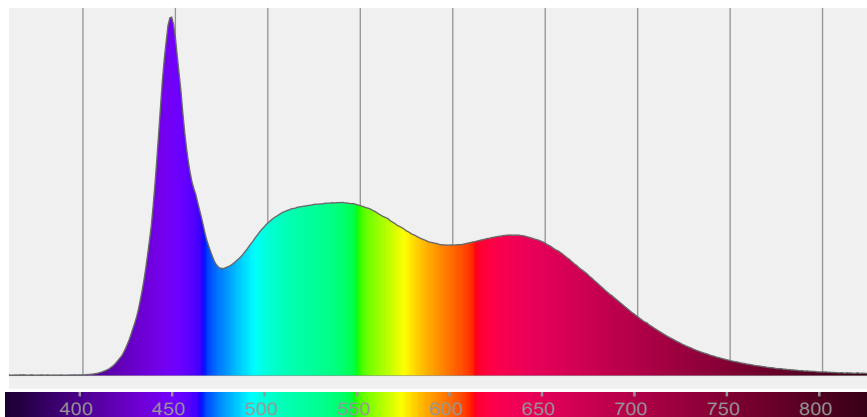


Beam angle 50%: 58,5°

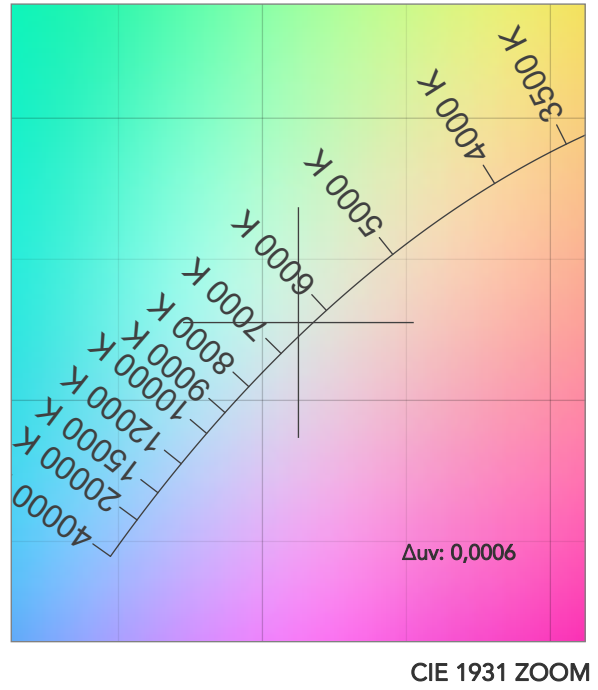
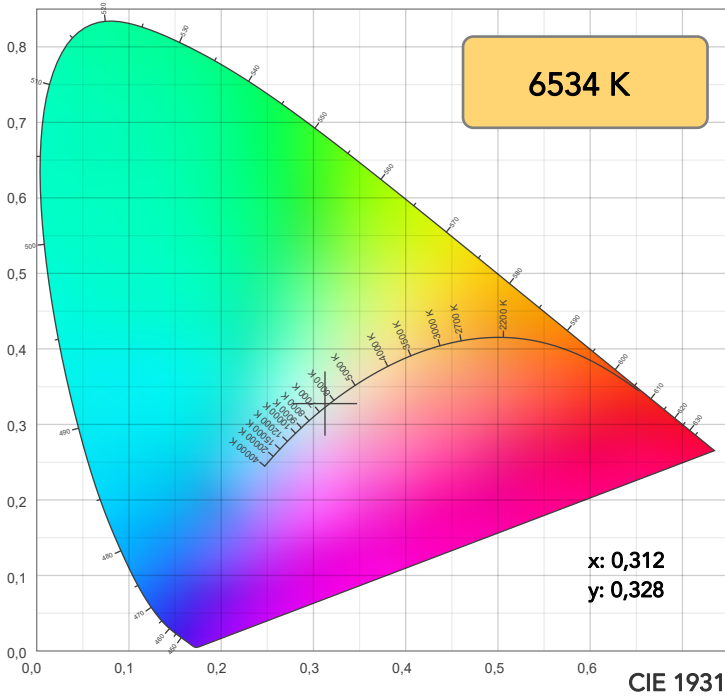
Field angle 10%: 107,5°

Cut off angle 2.5%: 141,6°

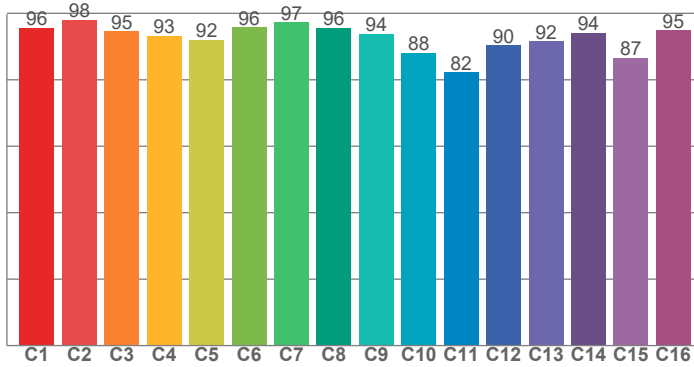
Spectra



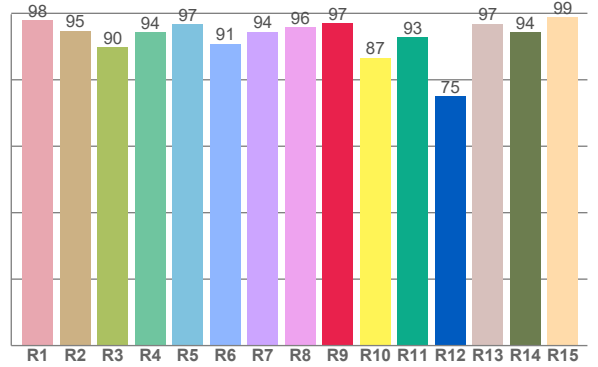
COLOR DETAILS



TM30: 92,7



CRI: 94,3 (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
97,9	94,8	89,8	94,3	96,7	90,9	94,5	95,8	97,0	86,6	92,8	75,0	96,9	94,3	98,7

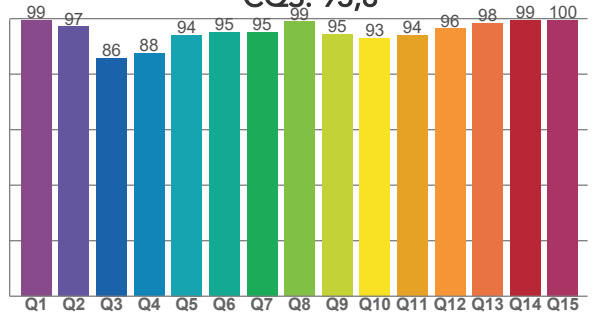
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,7	98,0	94,6	93,2	92,1	95,8	97,3	95,7	93,8	88,0	82,2	90,3	91,6	94,1	86,6	94,9

CQS Q values

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

CQS: 93,8



COLOR PARAMETERS

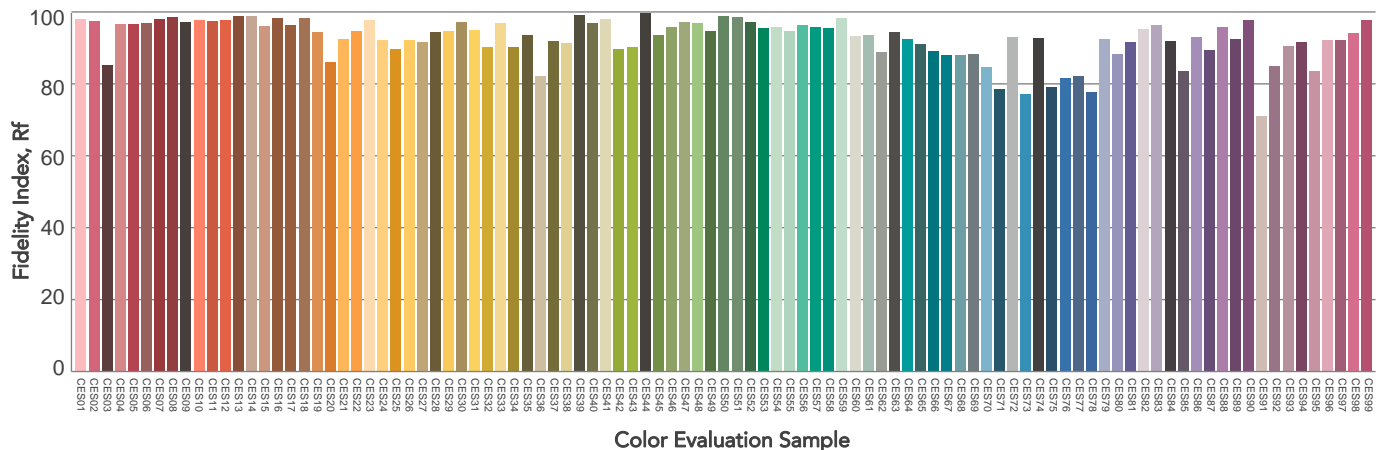
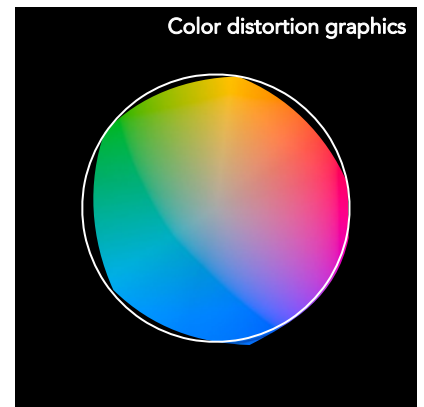
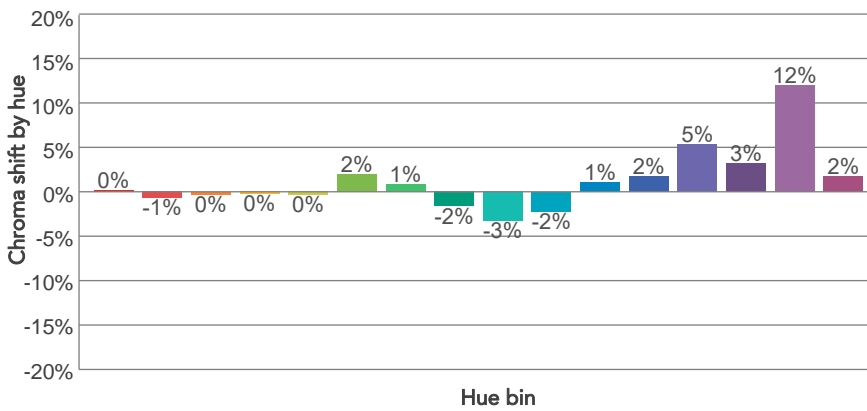
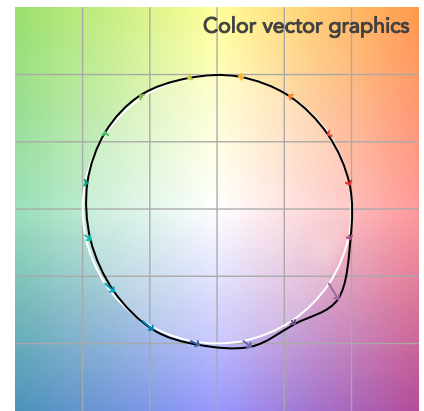
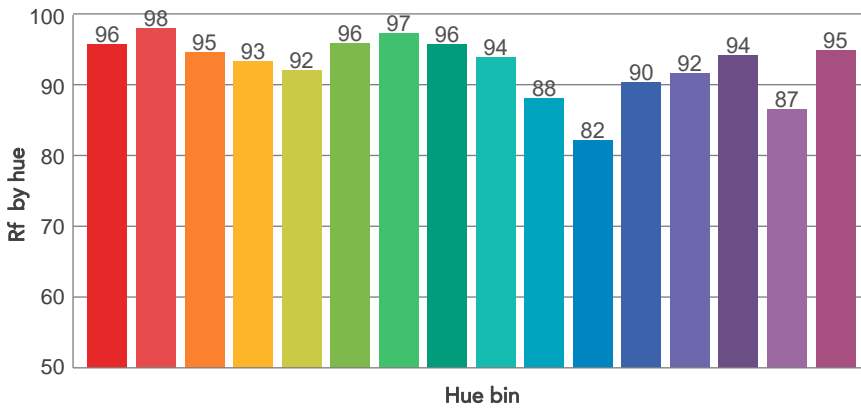
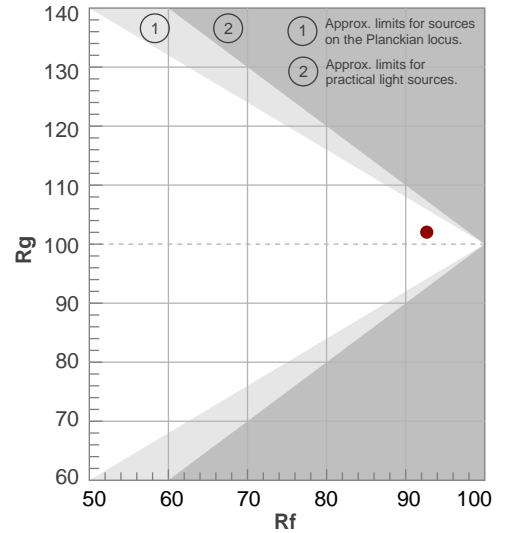
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6534 K	94,3	97,0	92,7	102,0	93,8	98	0,312	0,328	0,0006

TM30 DETAILS

Rf 92,7
Fidelity index Rf

Rg 102,0
Gammut index

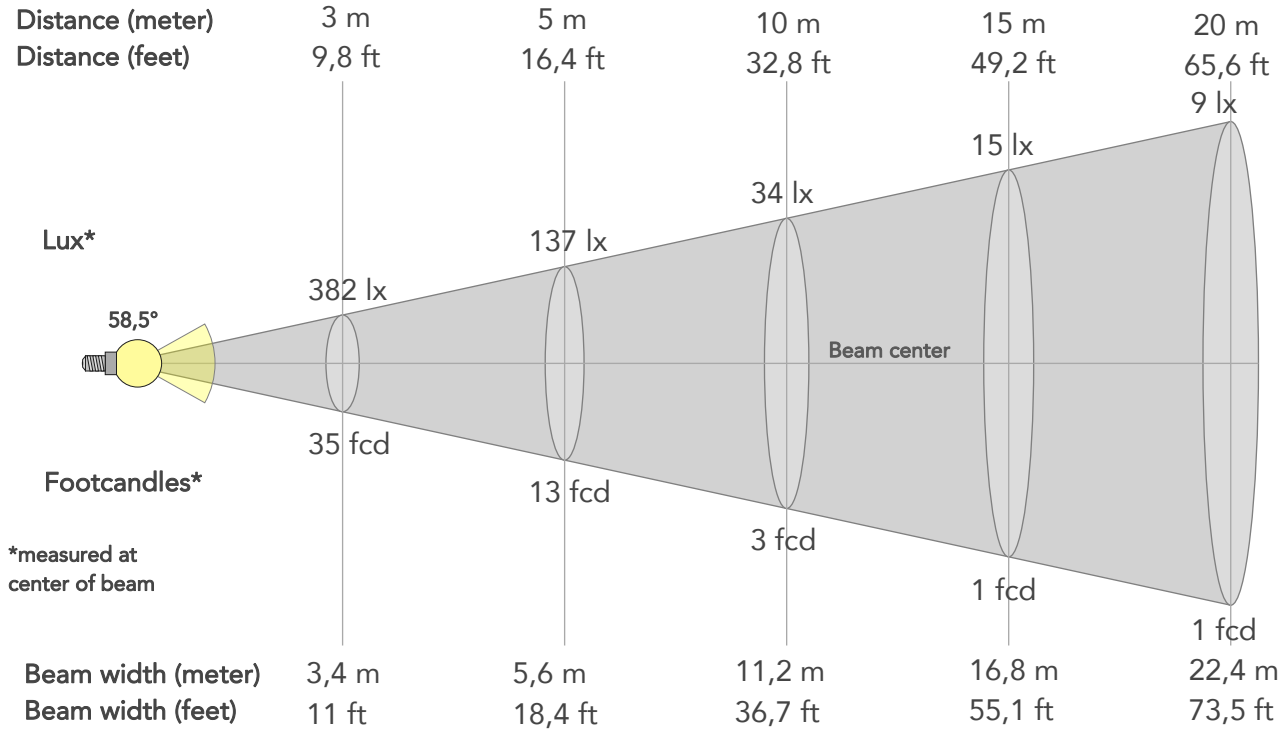
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	98	-1%	0%
3	95	0%	2%
4	93	0%	3%
5	92	0%	2%
6	96	2%	1%
7	97	1%	-1%
8	96	-2%	0%
9	94	-3%	4%
10	88	-2%	8%
11	82	1%	10%
12	90	2%	6%
13	92	5%	5%
14	94	3%	0%
15	87	12%	-6%
16	95	2%	-2%



BEAM DETAILS



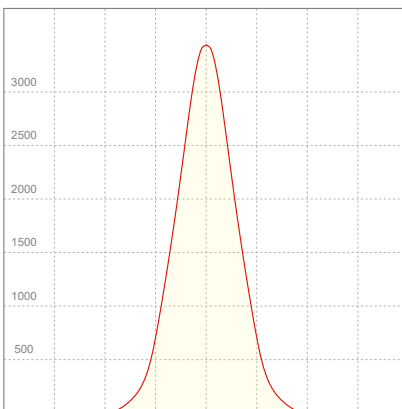
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,5°	107,5°	141,6°	94,5%	81,2%



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	3436lx	859lx	382lx	215lx	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.	1,1m	2,2m	3,4m	4,5m	5,6m	8,4m	11,2m	16,8m	22,4m	28m	33,6m	44,8m	56m
Beam wid.	3,7ft	7,4ft	11ft	14,7ft	18,4ft	27,6ft	36,7ft	55,1ft	73,5ft	91,8ft	110,2ft	146,9ft	183,7ft

LINEAR DISTRIBUTION DIAGRAM

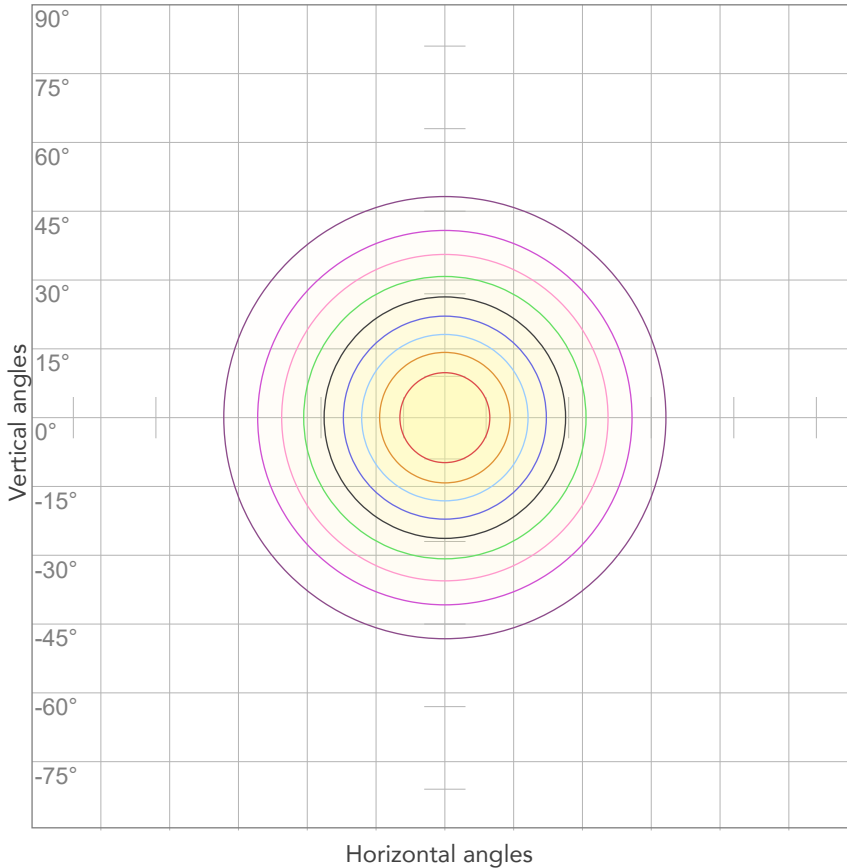


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,343A	71,0W	0,92	55lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



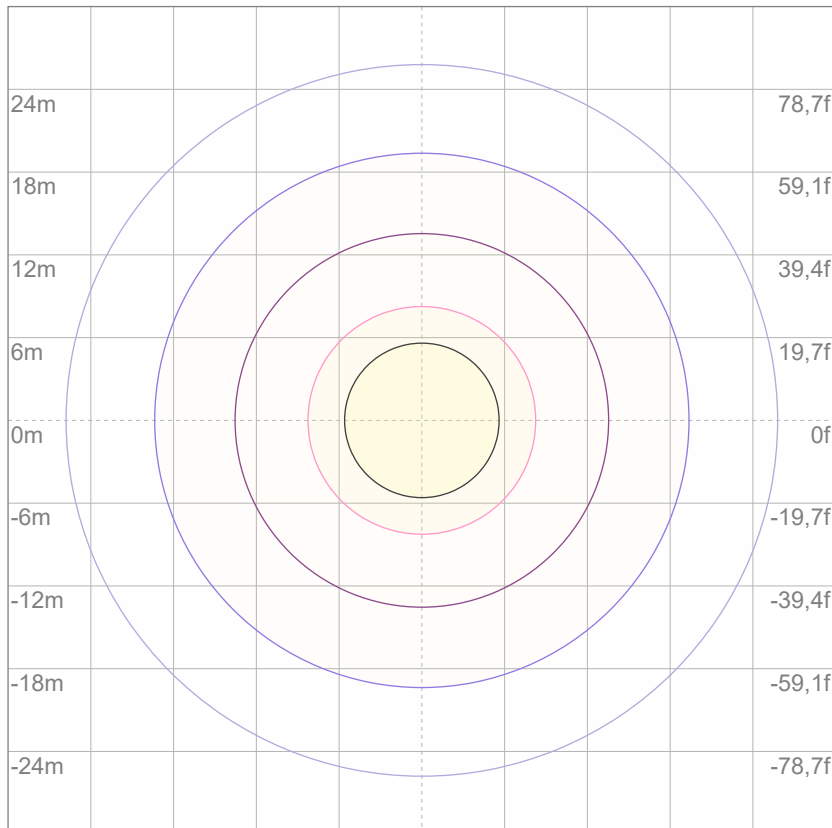
10%	344 cd
20%	687 cd
30%	1031 cd
40%	1374 cd
50%	1718 cd
60%	2062 cd
70%	2405 cd
80%	2749 cd

Conditions:

Number of c-planes: 2

Candela at center: 3436 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,03 lx
5%	1,72 lx
10%	3,44 lx
30%	10,3 lx
50%	17,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 34,4 lx

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



Total lumen output:

5865 lm

Peak candela output:

11876 cd

Light quality:

CRI: 94,3

Color temperature:

6446 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x60° Filter

Target:

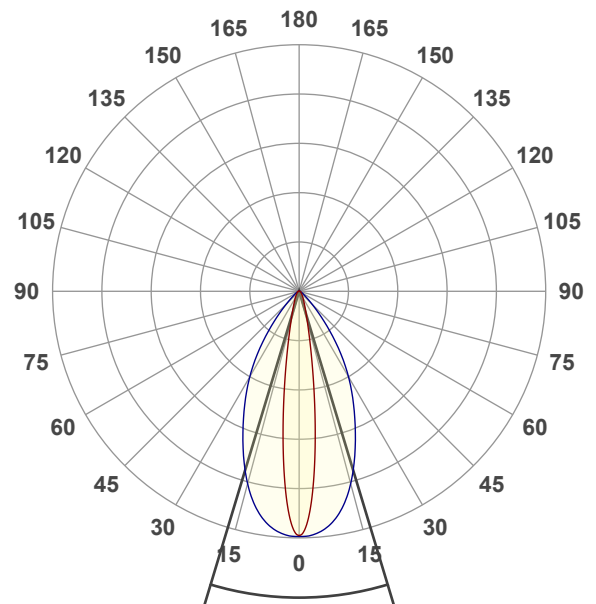
6500K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 11:15:57

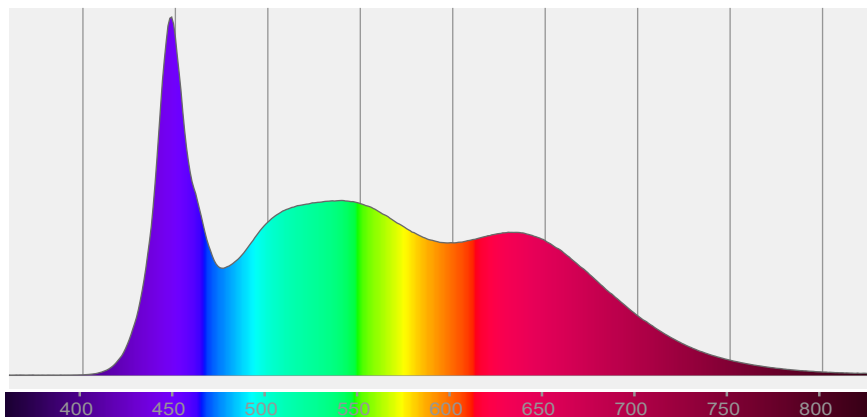


Beam angle 50%: 33,6°

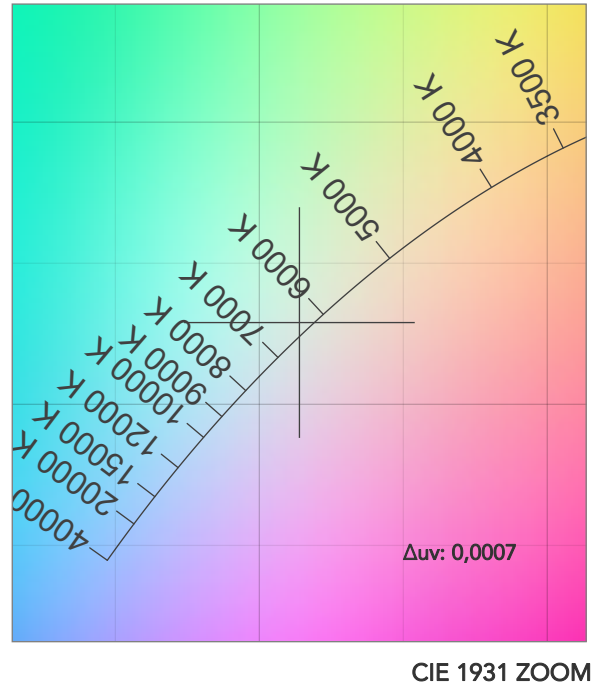
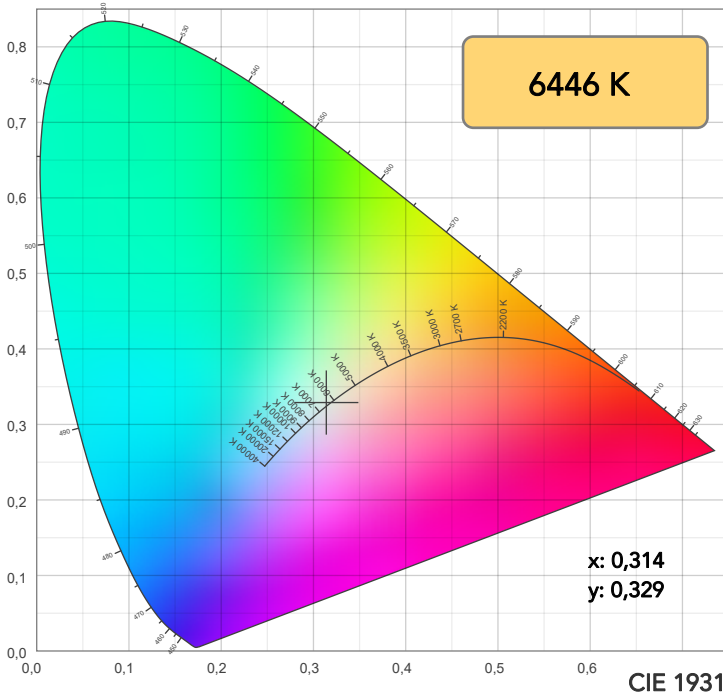
Field angle 10%: 60,1°

Cut off angle 2.5%: 87,7°

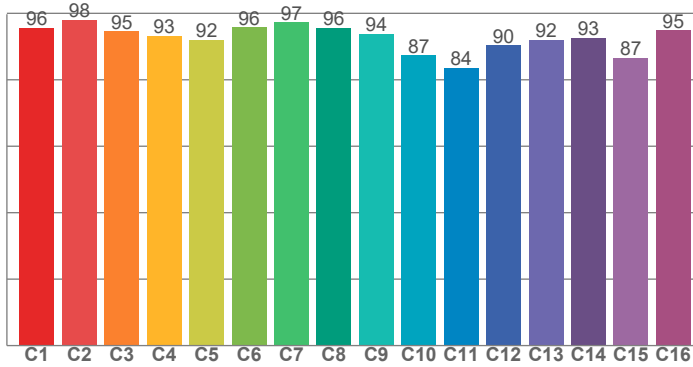
Spectra



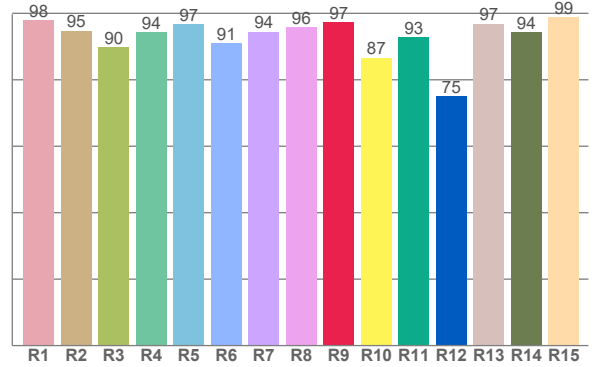
COLOR DETAILS



TM30: 92,7



CRI: 94,3 (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
97,8	94,8	89,9	94,3	96,7	90,9	94,5	95,8	97,2	86,7	92,9	75,1	96,9	94,3	98,8

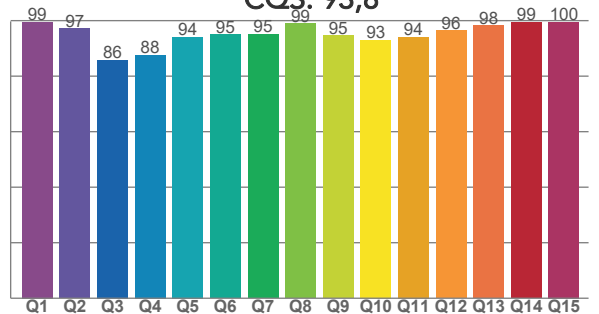
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,7	98,0	94,6	93,2	92,1	95,8	97,3	95,7	93,9	87,3	83,6	90,4	92,0	92,5	86,7	94,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,4	97,1	85,7	87,6	94,2	95,0	95,1	99,0	94,6	93,1	94,1	96,4	98,3	99,4	99,5

CQS: 93,8



COLOR PARAMETERS

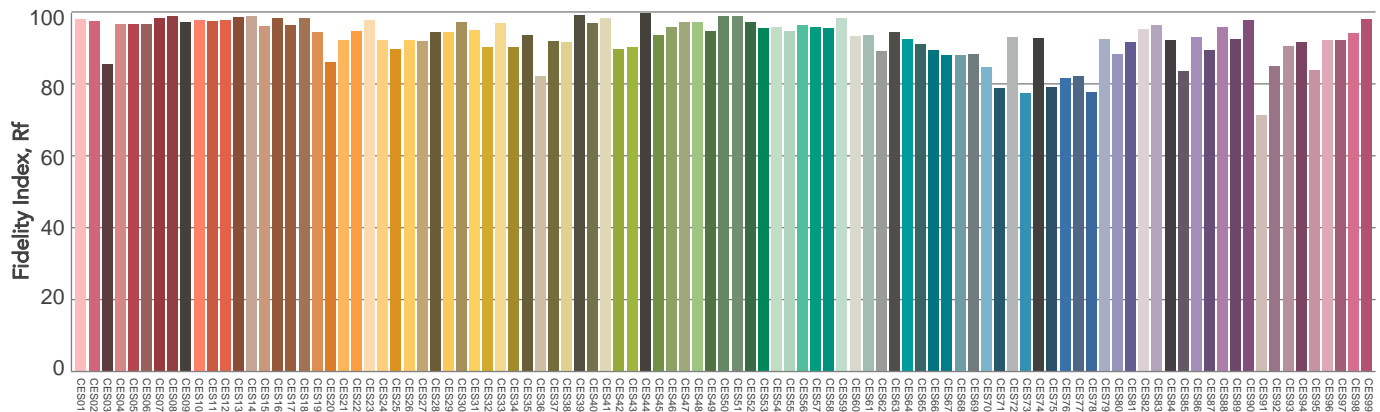
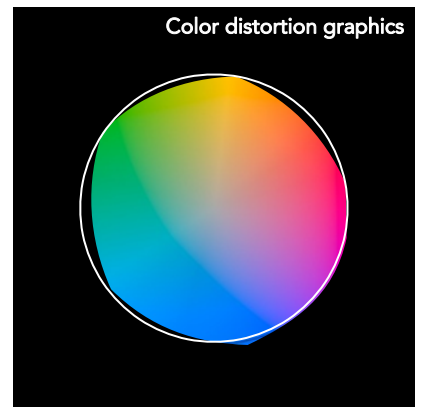
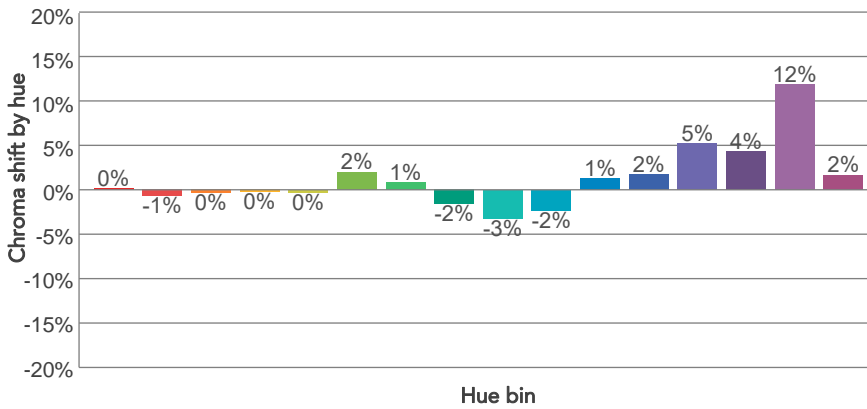
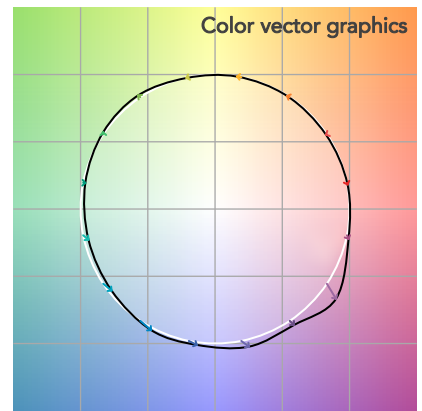
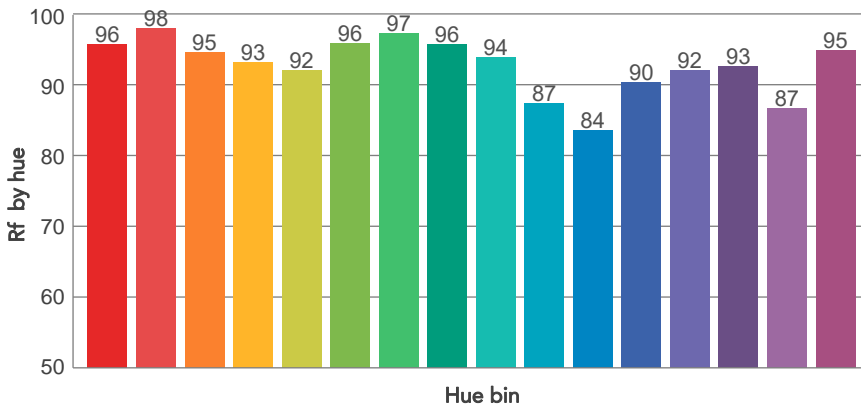
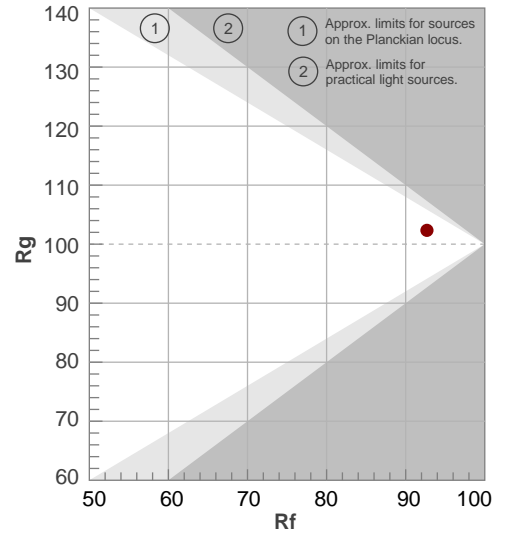
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6446 K	94,3	97,2	92,7	102,3	93,8	98	0,314	0,329	0,0007

TM30 DETAILS

Rf 92,7
Fidelity index Rf

Rg 102,3
Gammut index

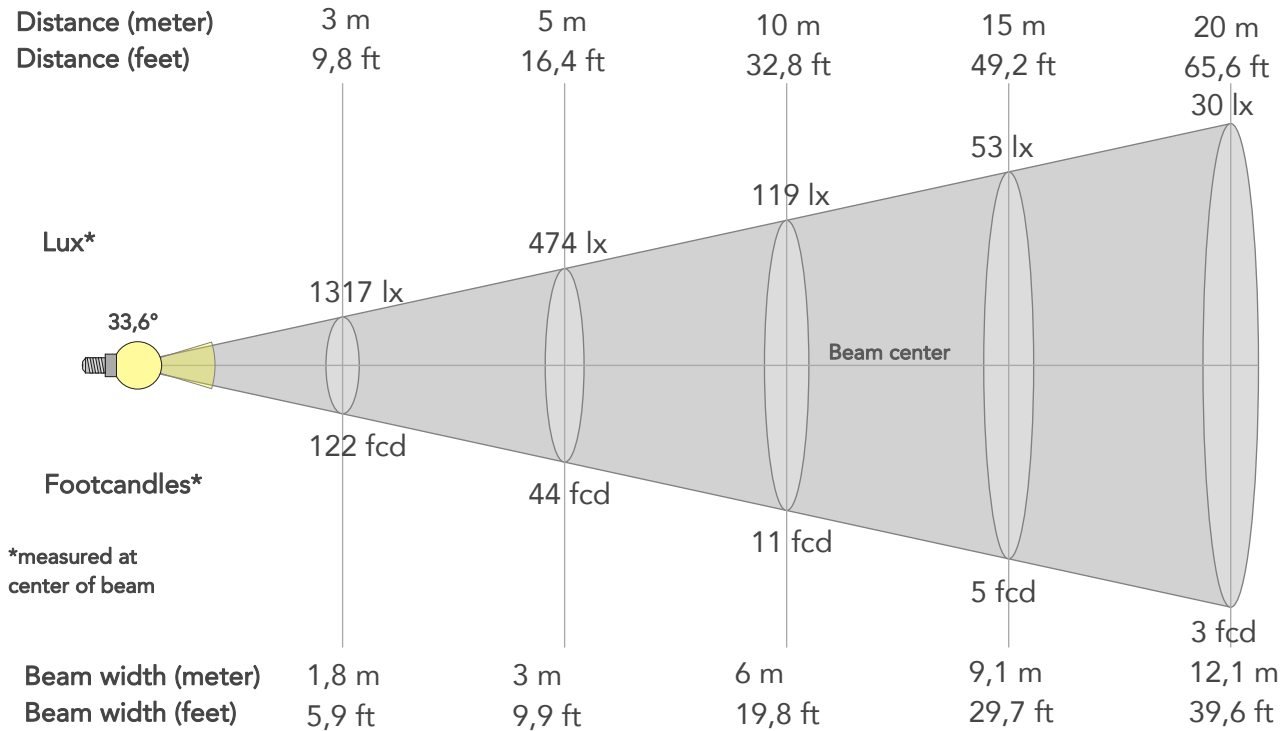
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	98	-1%	0%
3	95	0%	2%
4	93	0%	3%
5	92	0%	2%
6	96	2%	1%
7	97	1%	-1%
8	96	-2%	0%
9	94	-3%	4%
10	87	-2%	8%
11	84	1%	10%
12	90	2%	6%
13	92	5%	5%
14	93	4%	1%
15	87	12%	-6%
16	95	2%	-2%



BEAM DETAILS



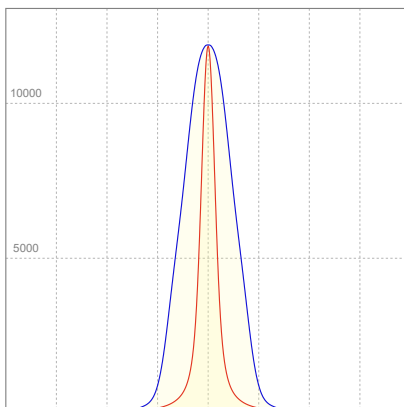
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,6°	60,1°	87,7°	97,2%	91,5%



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	11853lx	2963lx	1317lx	741lx	474lx	211lx	119lx	53lx	30lx	19lx	13lx	7lx	5lx
Footcand.	1101fcd	275fcd	122fcd	69fcd	44fcd	20fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9,1m	12,1m	15,1m	18,1m	24,1m	30,2m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,9ft	19,8ft	29,7ft	39,6ft	49,5ft	59,4ft	79,2ft	99ft

LINEAR DISTRIBUTION DIAGRAM

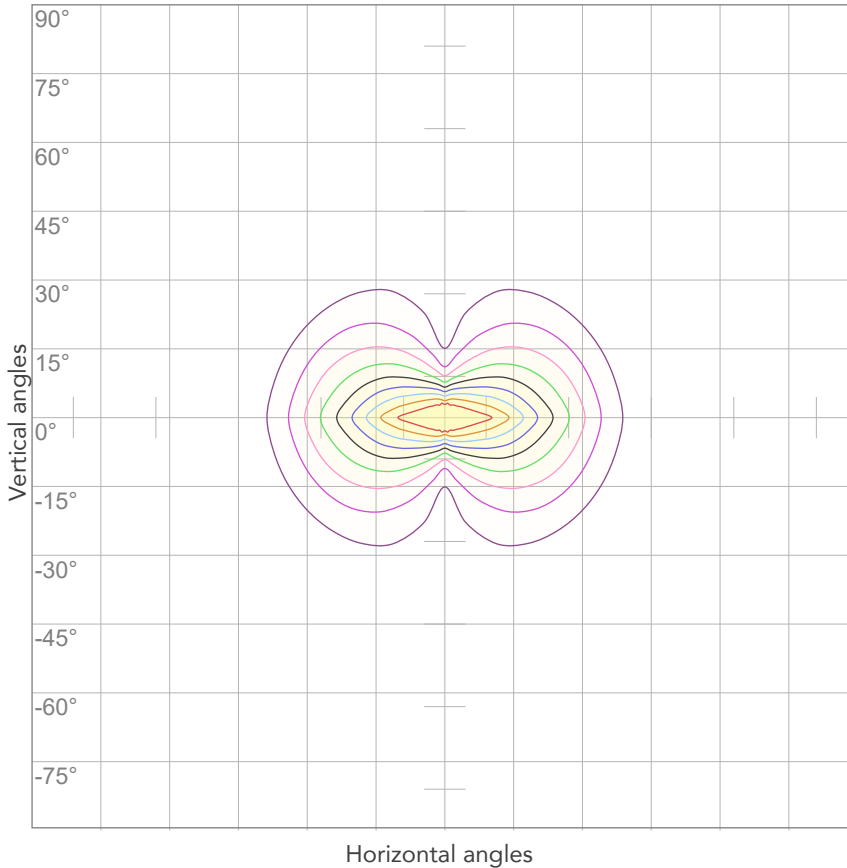


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,342A	70,6W	0,91	83lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



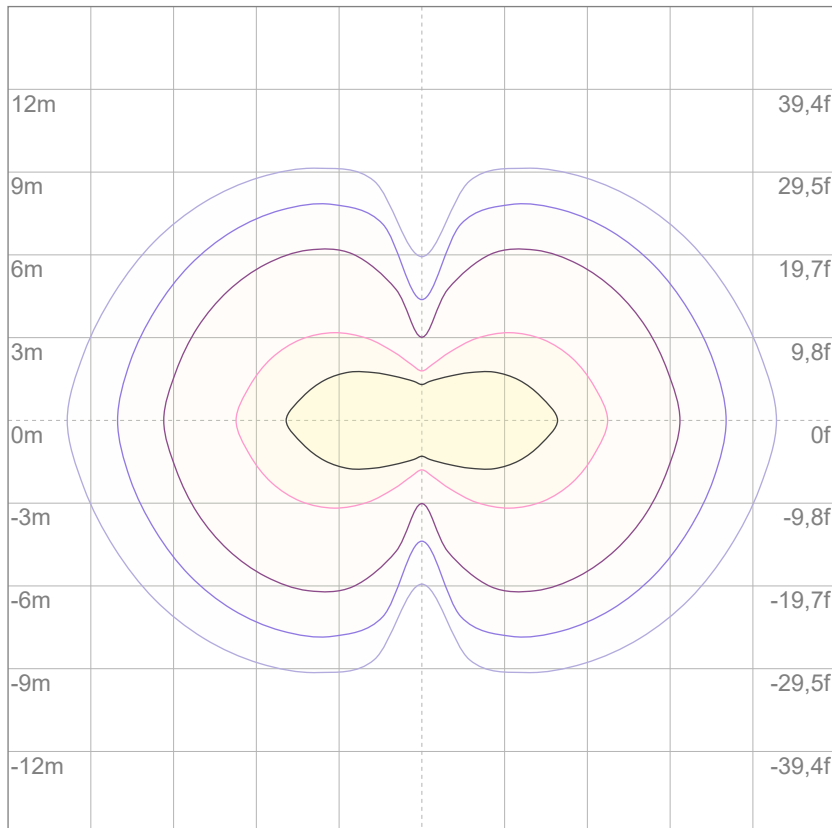
10%	1185 cd
20%	2371 cd
30%	3556 cd
40%	4741 cd
50%	5926 cd
60%	7112 cd
70%	8297 cd
80%	9482 cd

Conditions:

Number of c-planes: 4

Candela at center: 11853 cd

ISO LUX DIAGRAM



3%	3,56 lx
5%	5,93 lx
10%	11,9 lx
30%	35,6 lx
50%	59,3 lx

Conditions:

Number of c-planes: 4

Lux at center: 119 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:

4427 lm

Peak candela output:

6110 cd

Light quality:

CRI: 94,3

Color temperature:

6538 K

PRODUCT NAME:

ARCSPOTM VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x60° Filter

Target:

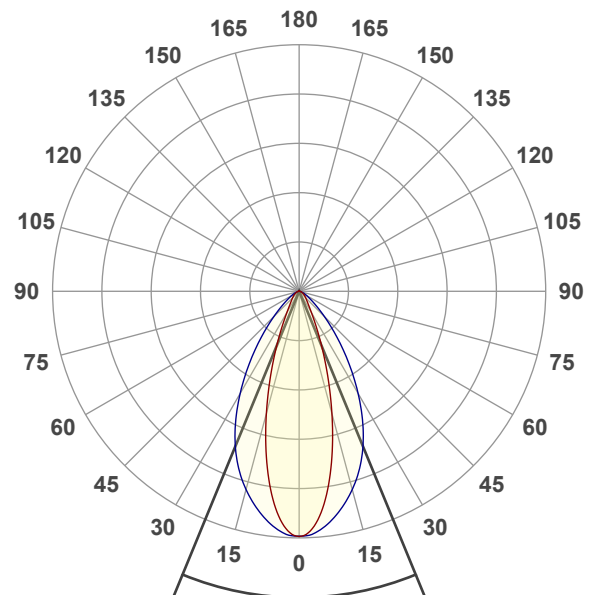
6500K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 11:40:12

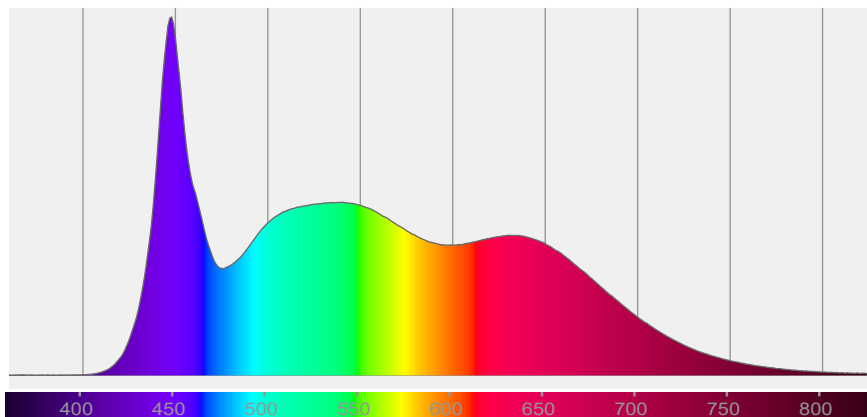


Beam angle 50%: 44,7°

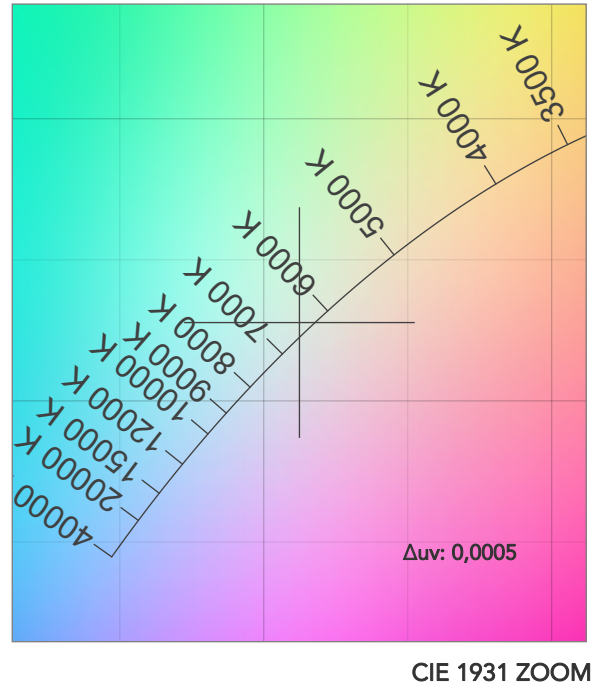
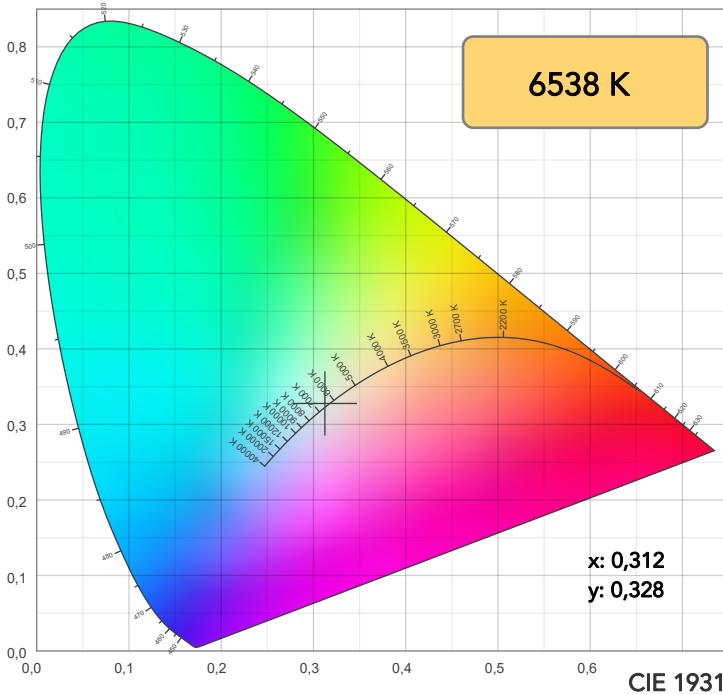
Field angle 10%: 78,9°

Cut off angle 2.5%: 118,6°

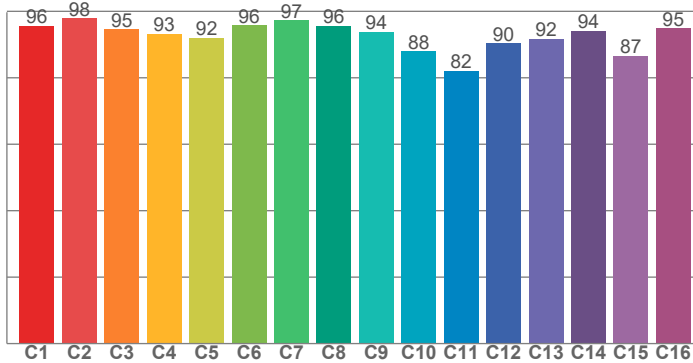
Spectra



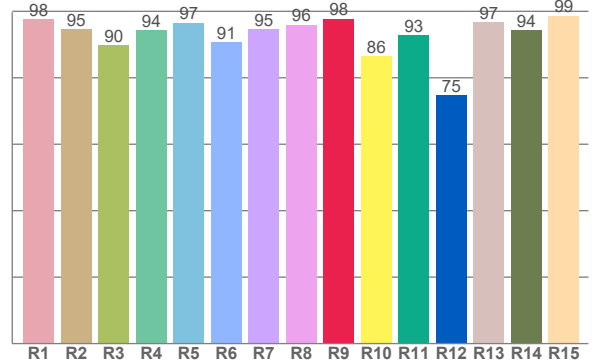
COLOR DETAILS



TM30: 92,6



CRI: 94,3 (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
97,7	94,7	89,8	94,3	96,5	90,8	94,5	96,0	97,8	86,4	92,9	74,8	96,7	94,3	98,7

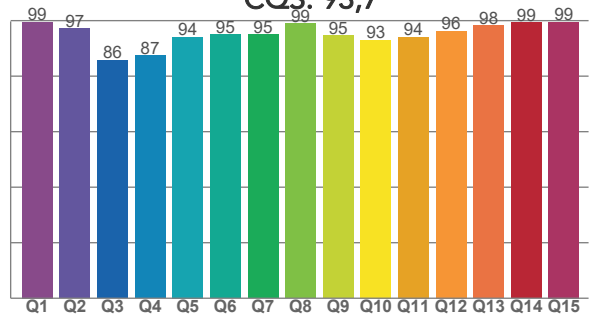
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,7	97,9	94,5	93,2	92,0	95,8	97,3	95,6	93,8	87,9	82,2	90,4	91,7	94,2	86,6	94,9

CQS Q values

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

CQS: 93,7



COLOR PARAMETERS

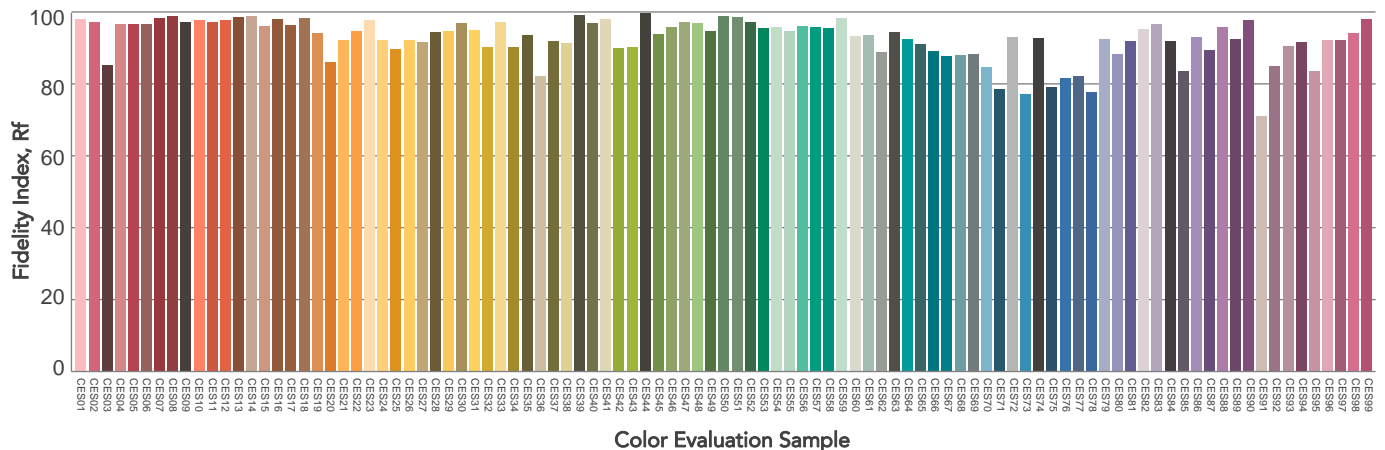
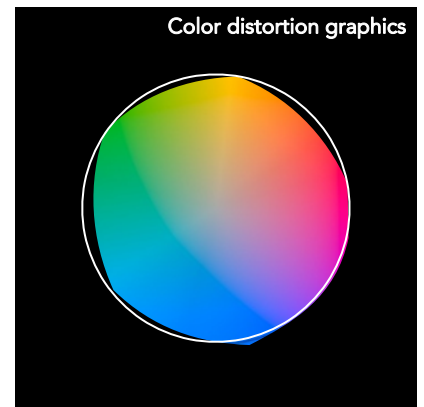
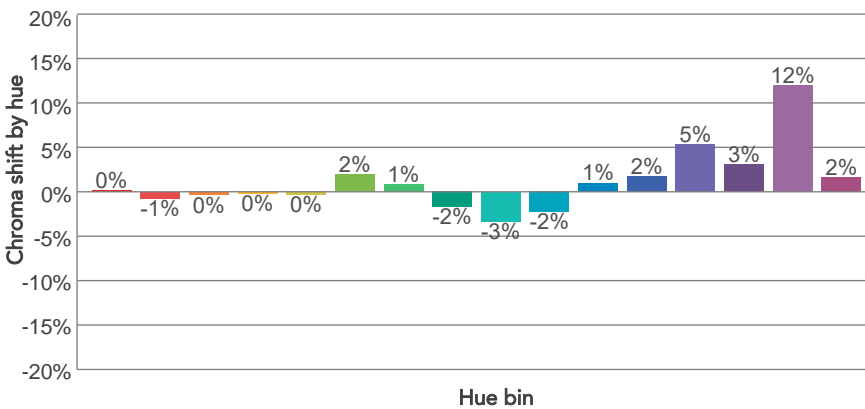
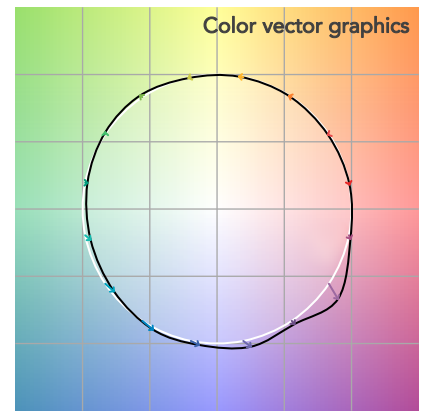
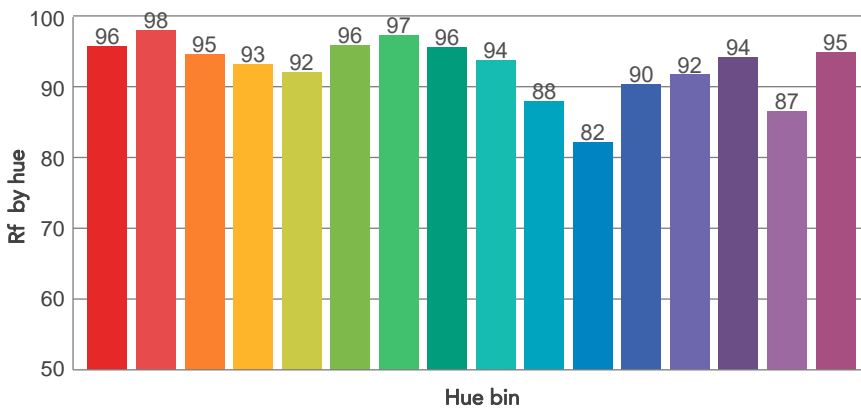
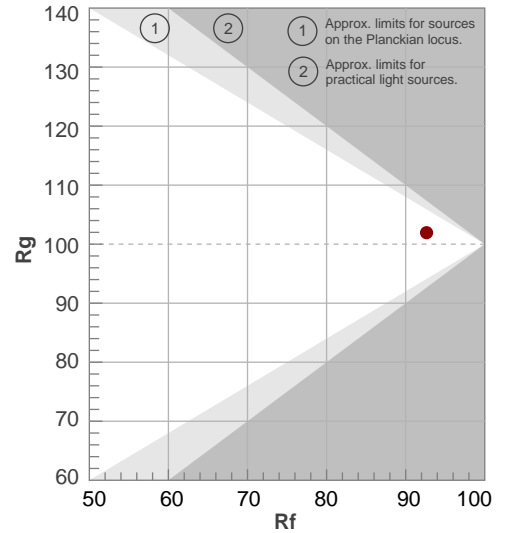
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6538 K	94,3	97,8	92,6	101,9	93,7	98	0,312	0,328	0,0005

TM30 DETAILS

Rf 92,6
Fidelity index Rf

Rg 101,9
Gammut index

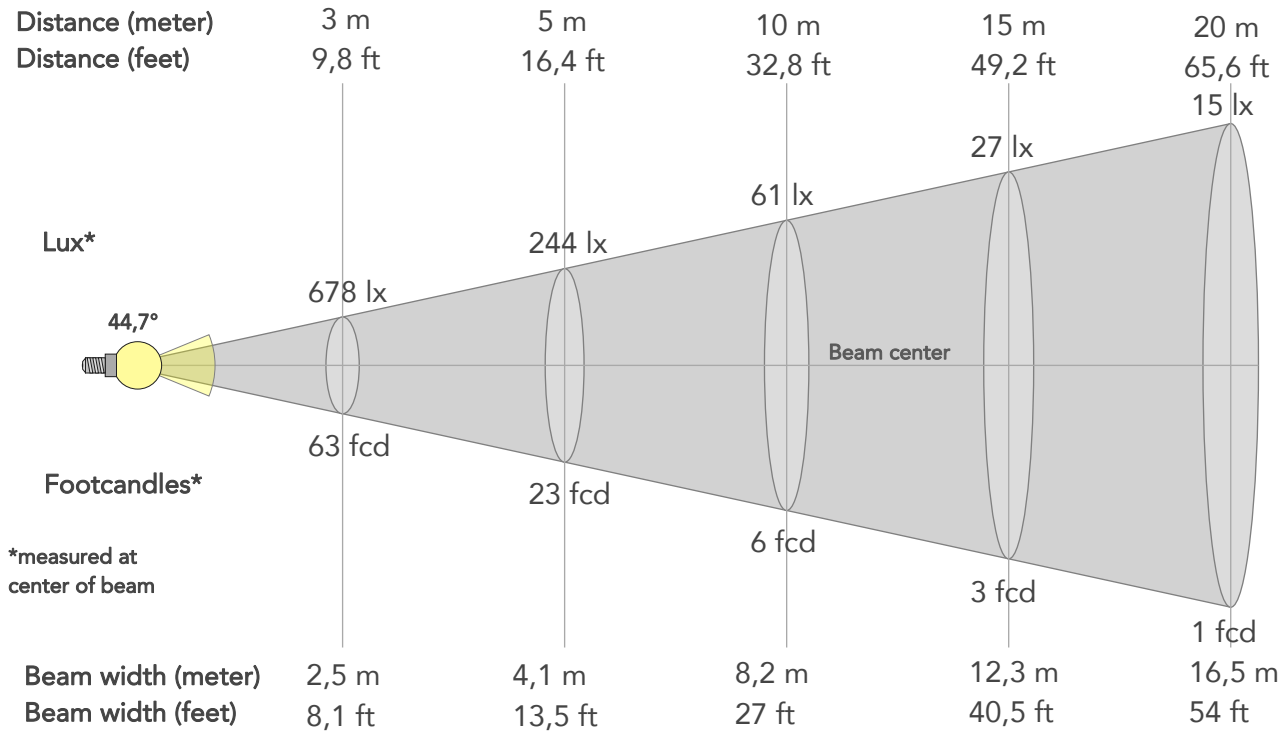
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	98	-1%	0%
3	95	0%	2%
4	93	0%	3%
5	92	0%	2%
6	96	2%	1%
7	97	1%	-1%
8	96	-2%	0%
9	94	-3%	4%
10	88	-2%	8%
11	82	1%	10%
12	90	2%	6%
13	92	5%	5%
14	94	3%	0%
15	87	12%	-6%
16	95	2%	-2%



BEAM DETAILS



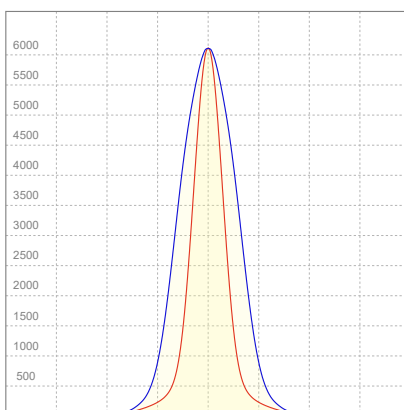
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,7°	78,9°	118,6°	95,9%	86,7%



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	6103lx	1526lx	678lx	381lx	244lx	108lx	61lx	27lx	15lx	10lx	7lx	4lx	2lx
Footcand.	567fcd	142fcd	63fcd	35fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,3m	16,5m	20,6m	24,7m	32,9m	41,2m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,2ft	27ft	40,5ft	54ft	67,5ft	81ft	108ft	135ft

LINEAR DISTRIBUTION DIAGRAM

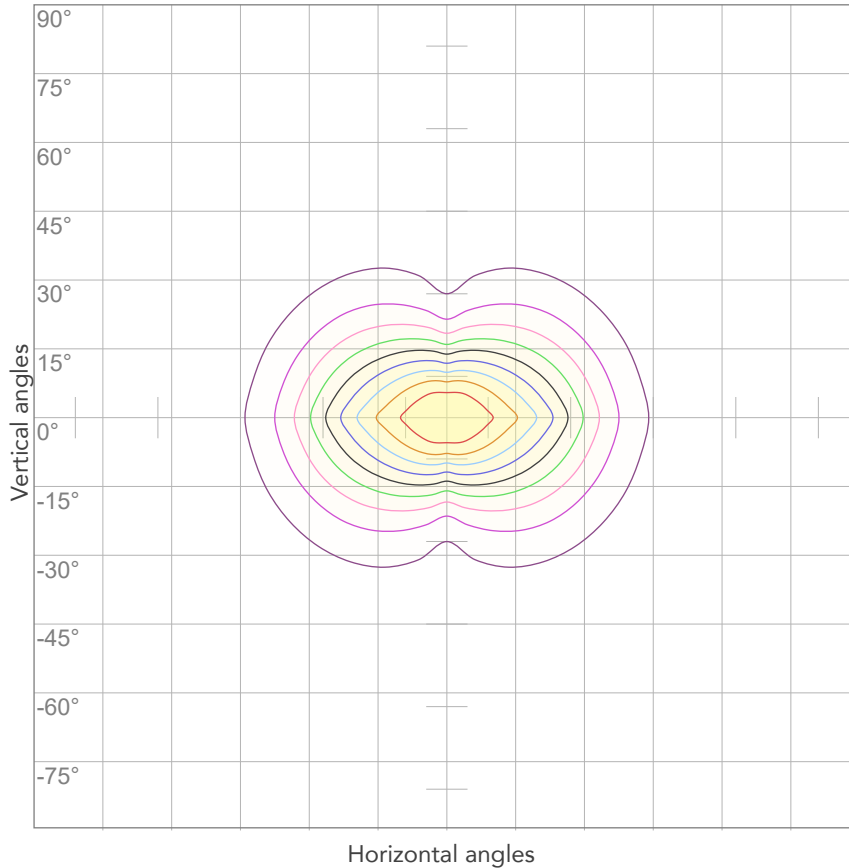


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,342A	70,5W	0,92	63lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



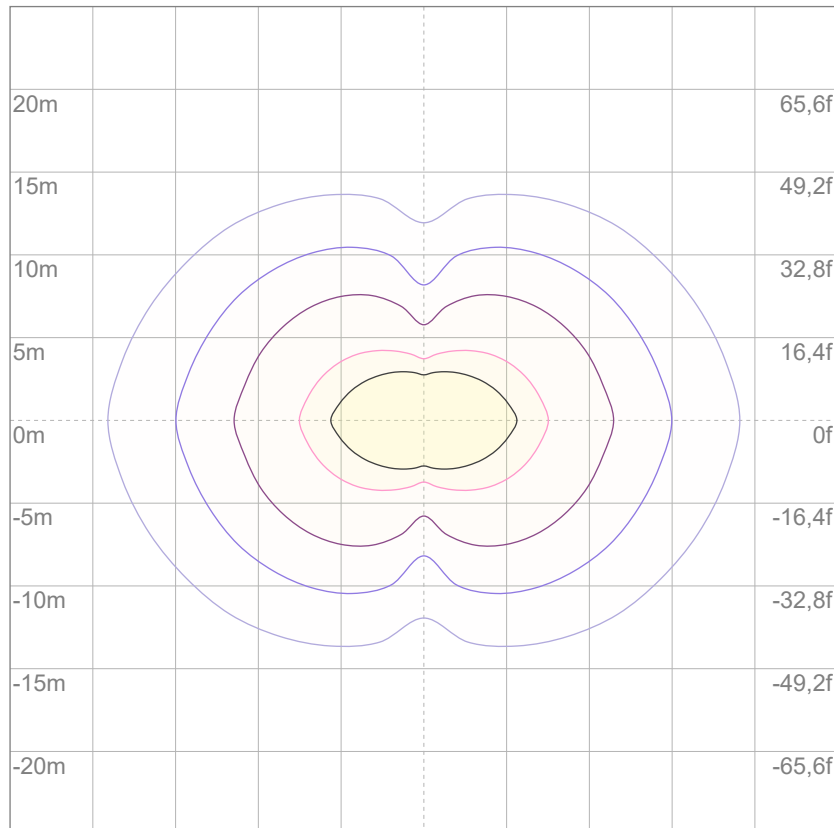
10%	610 cd
20%	1221 cd
30%	1831 cd
40%	2441 cd
50%	3051 cd
60%	3662 cd
70%	4272 cd
80%	4882 cd

Conditions:

Number of c-planes: 4

Candela at center: 6103 cd

ISO LUX DIAGRAM



3%	1,83 lx
5%	3,05 lx
10%	6,10 lx
30%	18,3 lx
50%	30,5 lx

Conditions:

Number of c-planes: 4

Lux at center: 61,0 lx

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

Mounting height: 10 meters (33 feet)