



Photometric Test Report



ARCSPOTXSVW

IP66 Spot featuring 800 lumen with
3 x 4W Variable White source,
10° native
(PRELIMINARY)

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

Color preset 5600K

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

Color preset 6500K

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

TESTING PROCESS

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

Prolights measurement instrument

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

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

Prolights measurement software

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

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



Total lumen output:

806 lm

Peak candela output:

15979 cd

Light quality:

CRI: 94,4

Color temperature:

4280 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

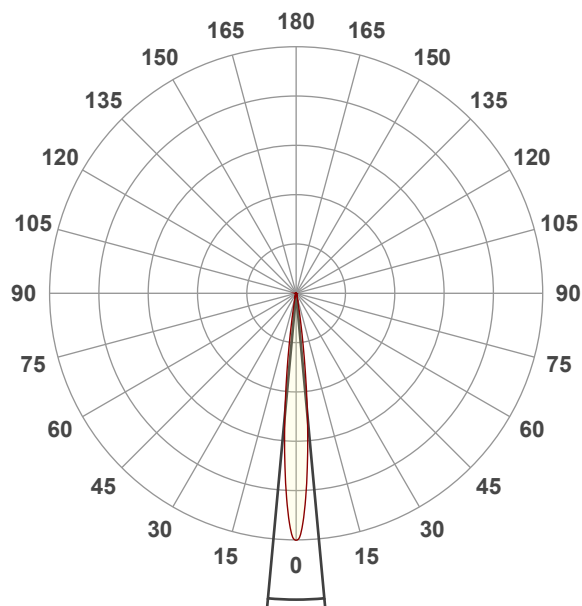
Full On

Operator:

Salvatore Giglio

Date and time:

29/02/2024 11:24:45

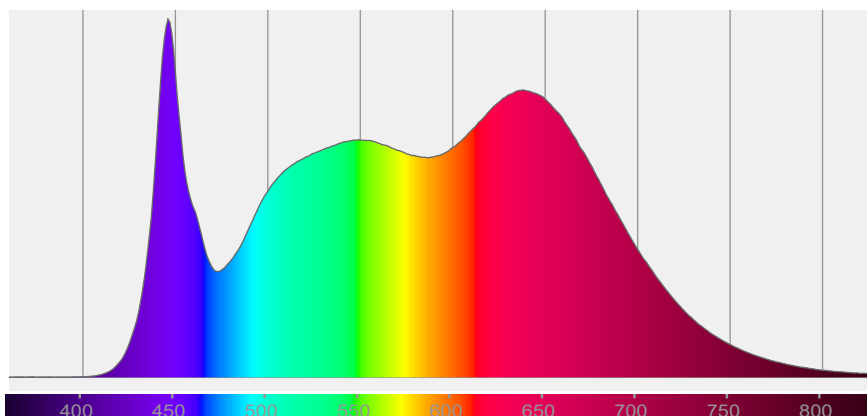


Beam angle 50%: 10,6°

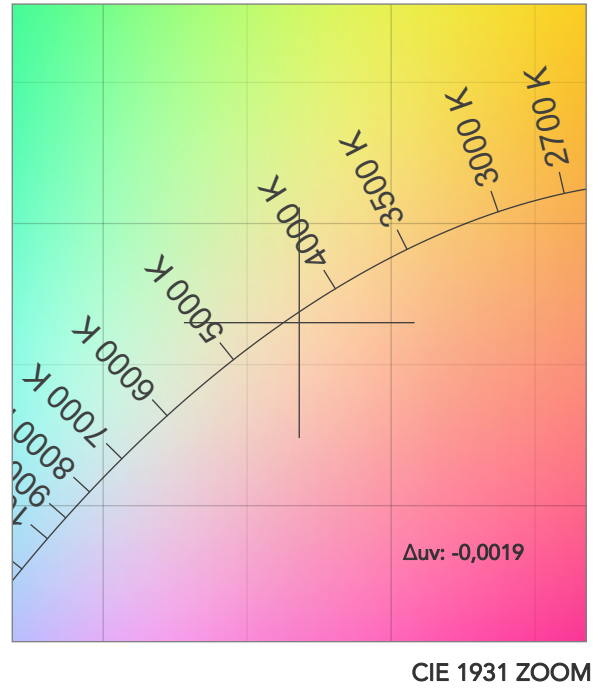
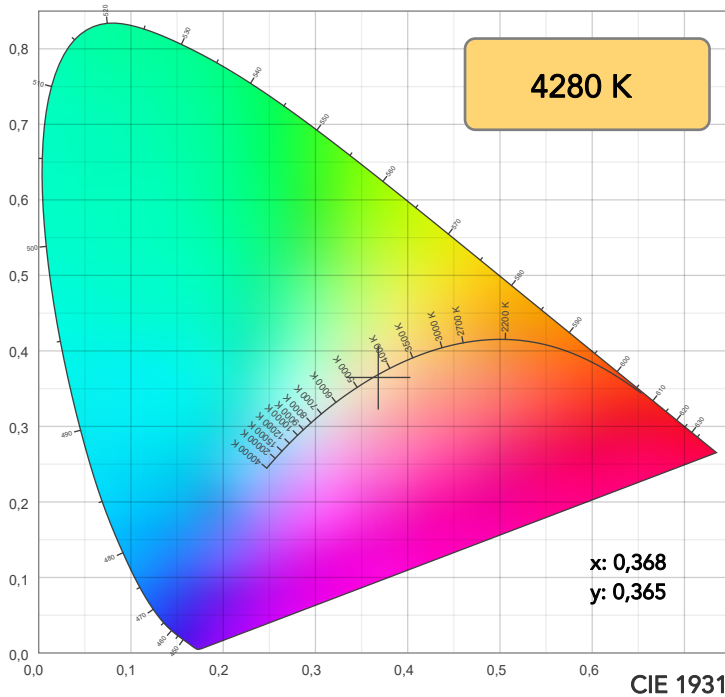
Field angle 10%: 18,7°

Cut off angle 2.5%: 26,9°

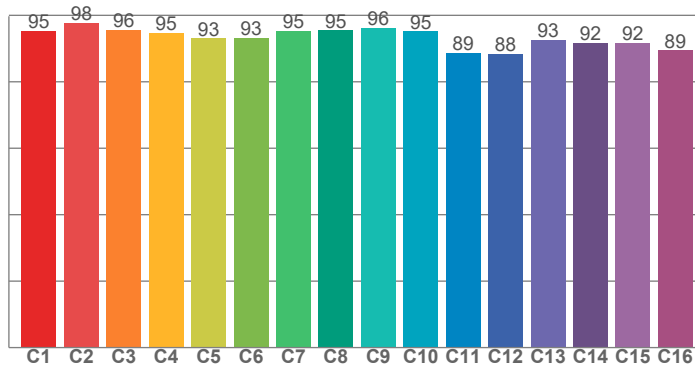
Spectra



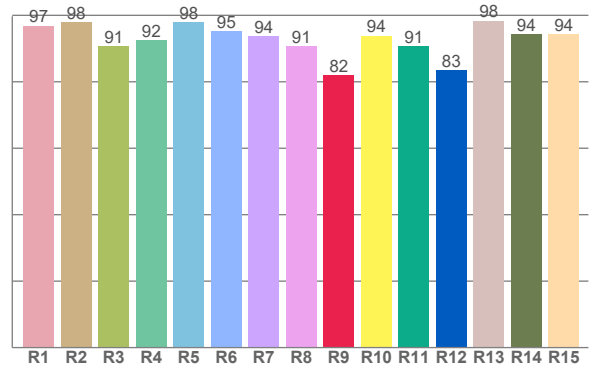
COLOR DETAILS



TM30: 93,6



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
96,9	97,9	90,7	92,5	98,0	95,2	93,7	90,7	82,1	93,8	90,8	83,4	98,3	94,3	94,3

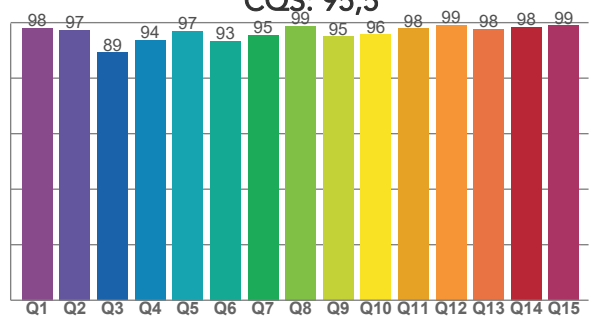
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 95,5



COLOR PARAMETERS

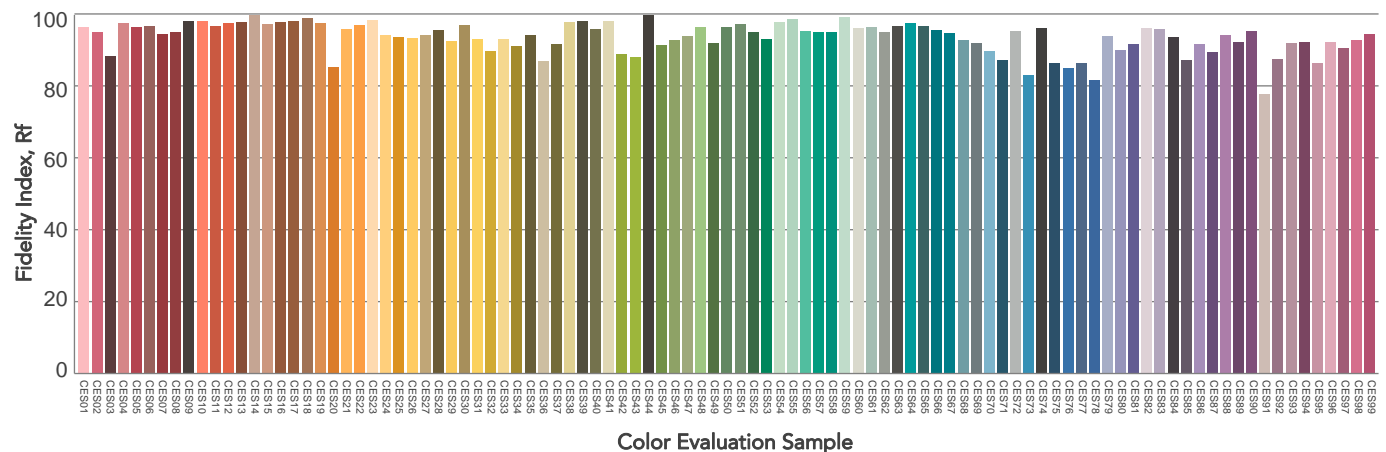
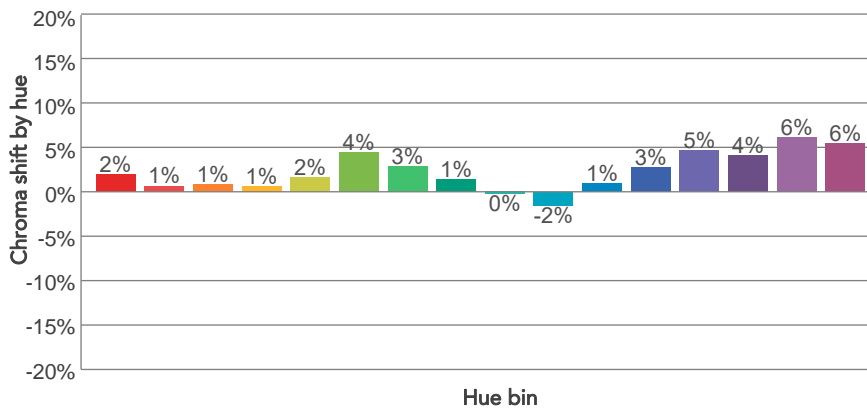
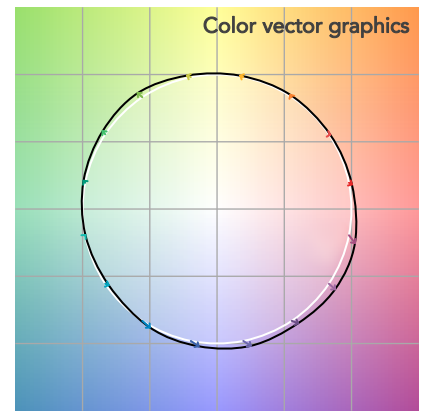
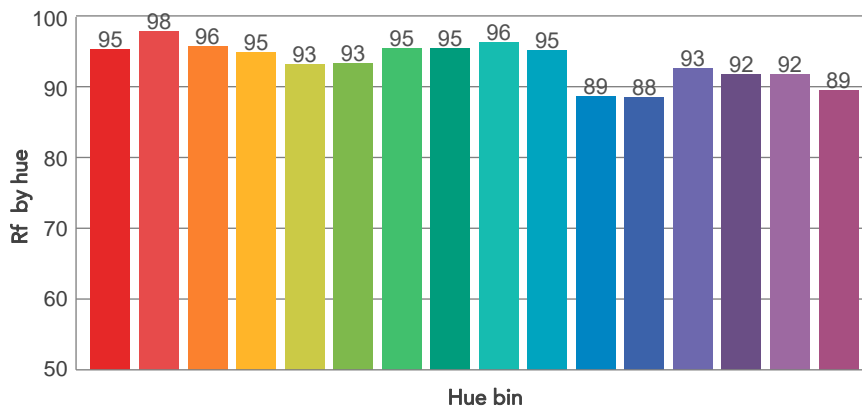
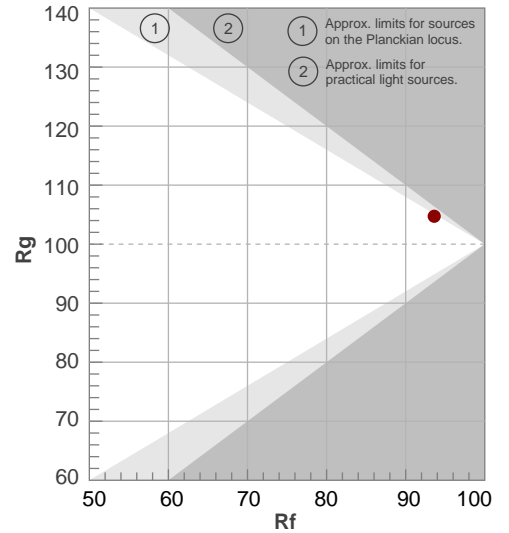
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4280 K	94,4	82,1	93,6	104,7	95,5	97	0,368	0,365	-0,0019

TM30 DETAILS

Rf 93,6
Fidelity index Rf

Rg 104,7
Gammut index

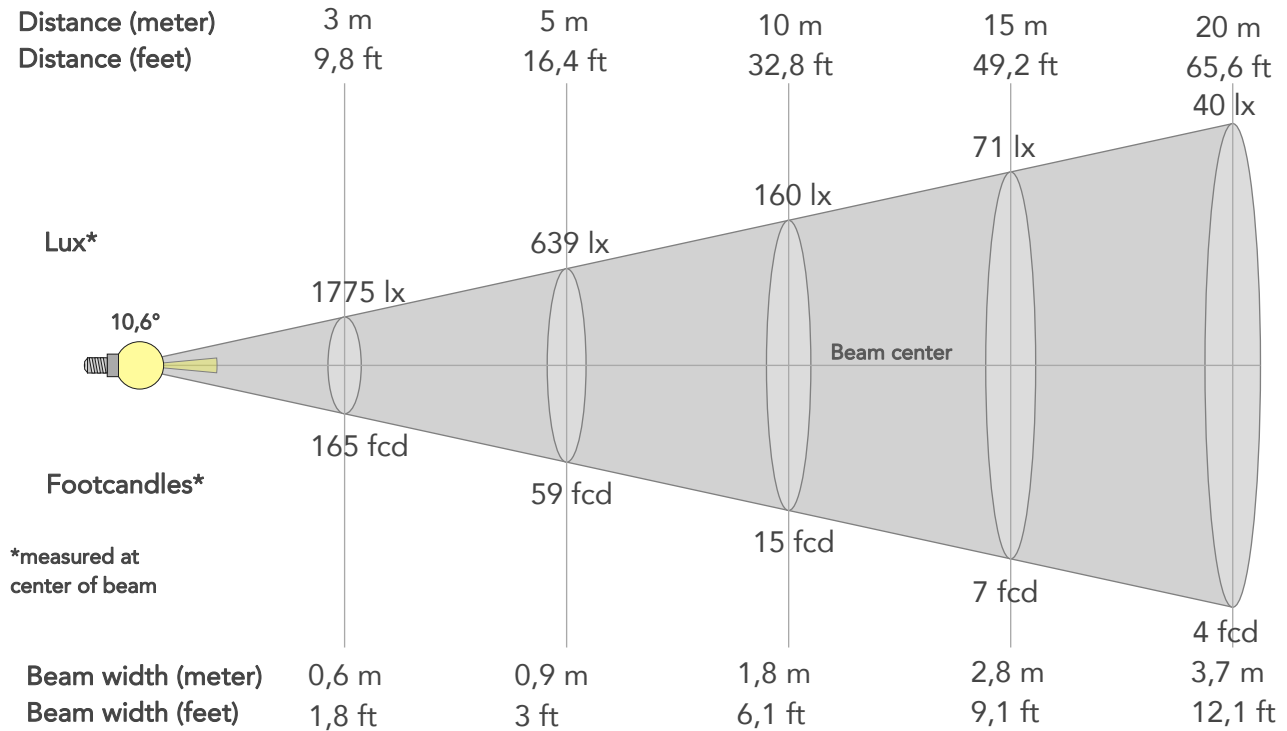
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-2%
2	98	1%	-1%
3	96	1%	2%
4	95	1%	2%
5	93	2%	3%
6	93	4%	1%
7	95	3%	-1%
8	95	1%	-1%
9	96	0%	0%
10	95	-2%	2%
11	89	1%	7%
12	88	3%	6%
13	93	5%	5%
14	92	4%	3%
15	92	6%	-1%
16	89	6%	-5%



BEAM DETAILS



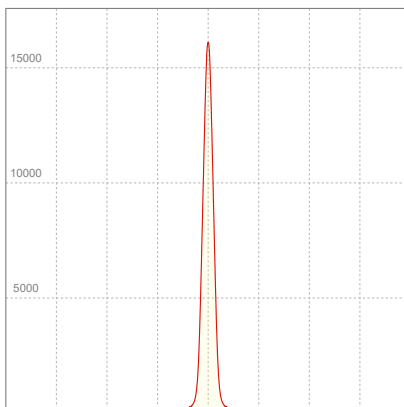
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,6°	18,7°	26,9°	96,9%	94,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	15979lx	3995lx	1775lx	999lx	639lx	284lx	160lx	71lx	40lx	26lx	18lx	10lx	6lx
Footcand.	1485fcd	371fcd	165fcd	93fcd	59fcd	26fcd	15fcd	7fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,2m	0,4m	0,6m	0,7m	0,9m	1,4m	1,8m	2,8m	3,7m	4,6m	5,5m	7,4m	9,2m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	6,1ft	9,1ft	12,1ft	15,2ft	18,2ft	24,3ft	30,3ft

LINEAR DISTRIBUTION DIAGRAM

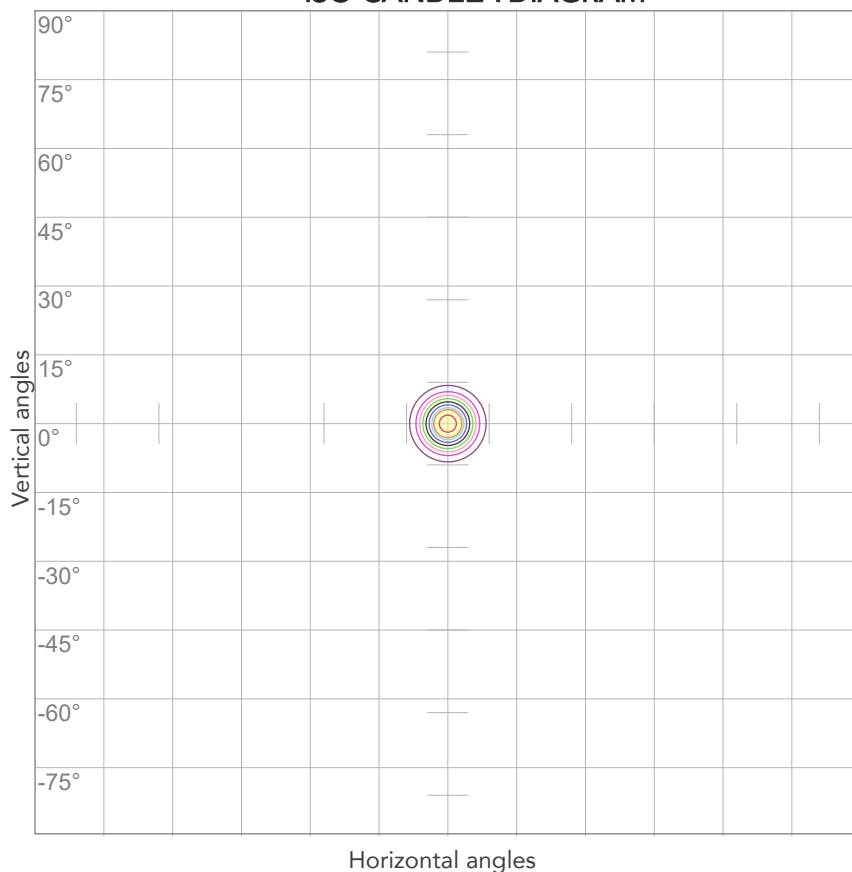


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,094A	17,1W	0,81	47lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



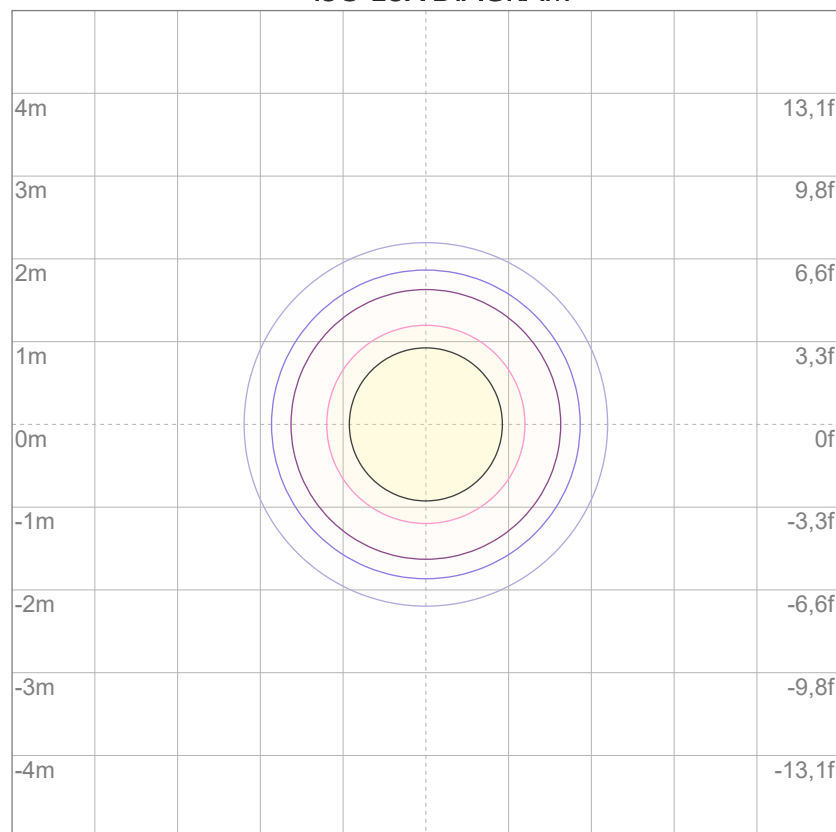
10%	1598 cd
20%	3196 cd
30%	4794 cd
40%	6392 cd
50%	7990 cd
60%	9588 cd
70%	11186 cd
80%	12784 cd

Conditions:

Number of c-planes: 2

Candela at center: 15979 cd

ISO LUX DIAGRAM



3%	4,79 lx
5%	7,99 lx
10%	16,0 lx
30%	47,9 lx
50%	79,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 160 lx

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



Total lumen output:

728 lm

Peak candela output:

3023 cd

Light quality:

CRI: 94,4

Color temperature:

4247 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

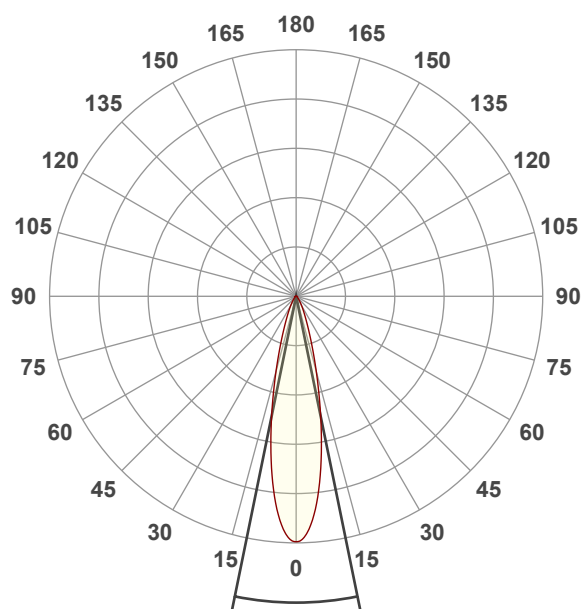
Full On

Operator:

Salvatore Giglio

Date and time:

29/02/2024 12:14:50

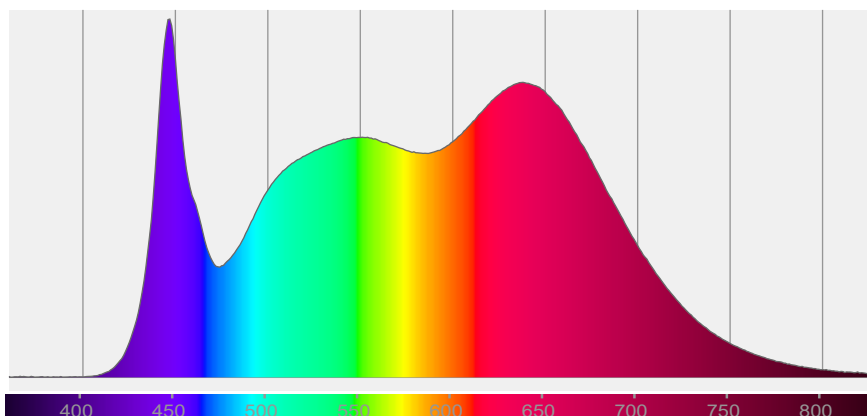


Beam angle 50%: 23,1°

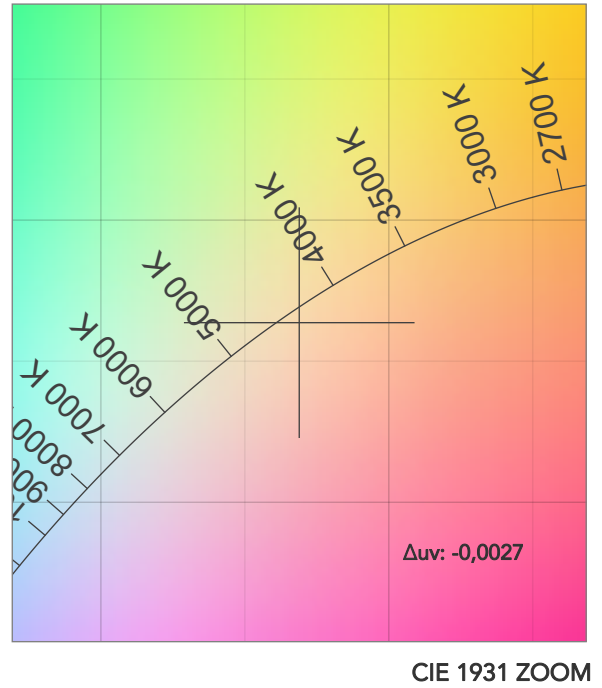
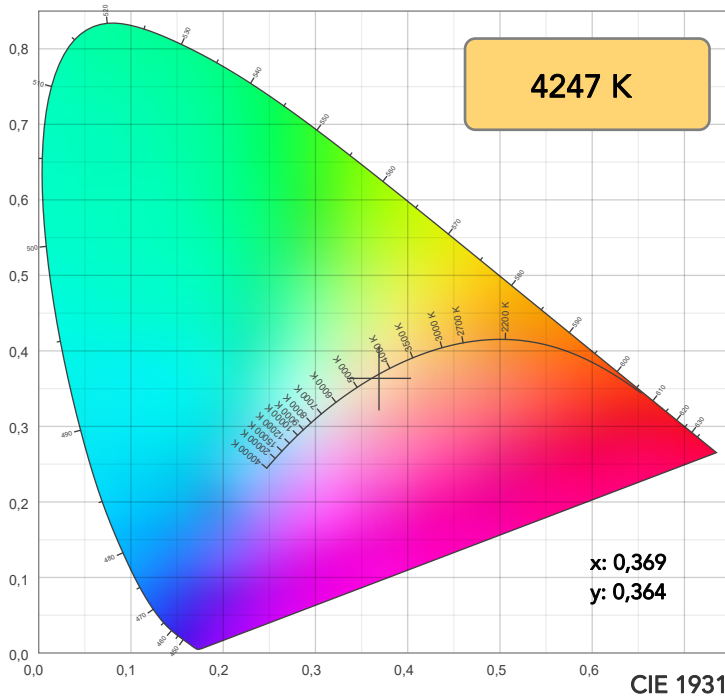
Field angle 10%: 46,4°

Cut off angle 2.5%: 71,3°

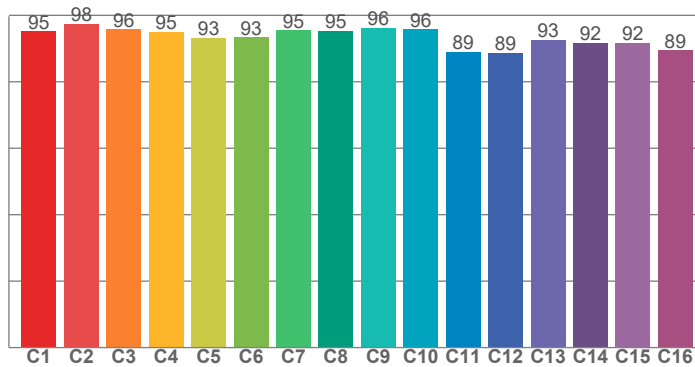
Spectra



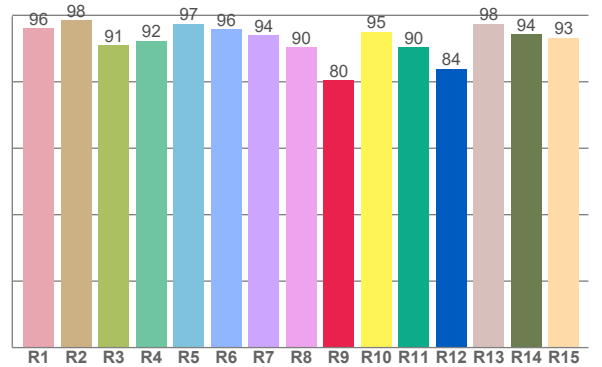
COLOR DETAILS



TM30: 93,6



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
96,1	98,5	91,0	92,3	97,4	95,7	94,0	90,3	80,4	95,1	90,5	83,9	97,5	94,4	93,3

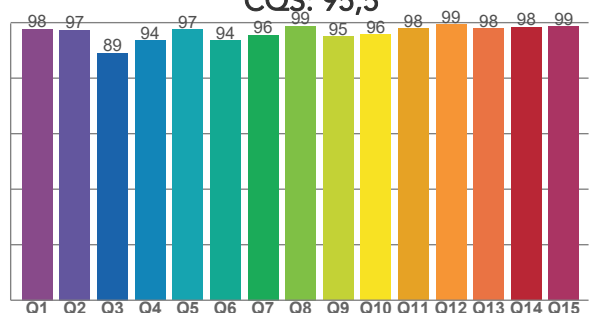
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

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
4247 K	94,4	80,4	93,6	104,9	95,5	97	0,369	0,364	-0,0027

TM30 DETAILS

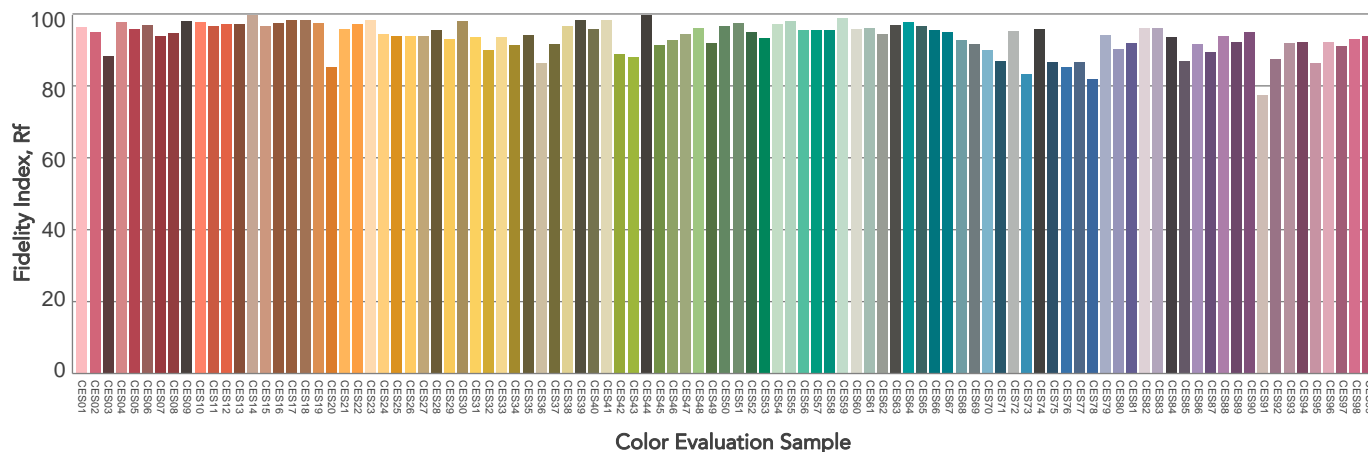
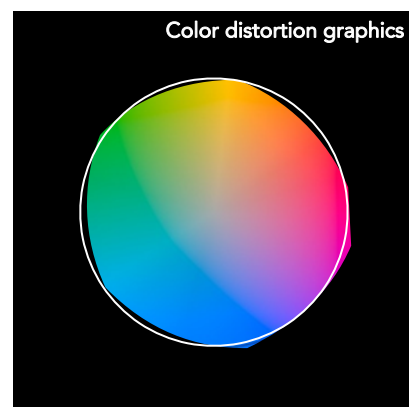
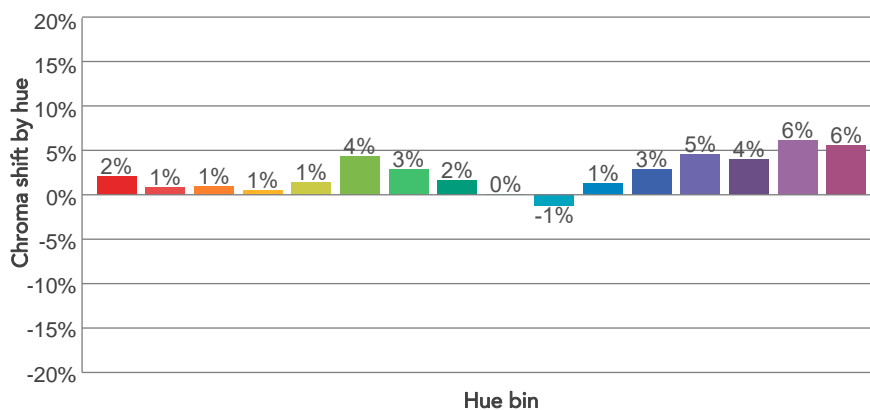
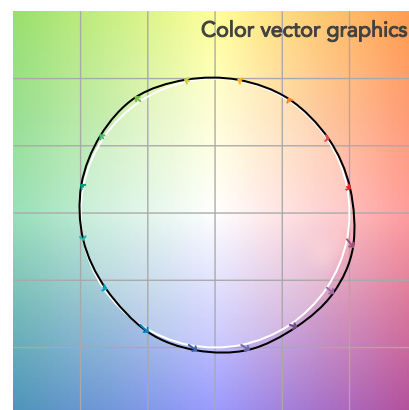
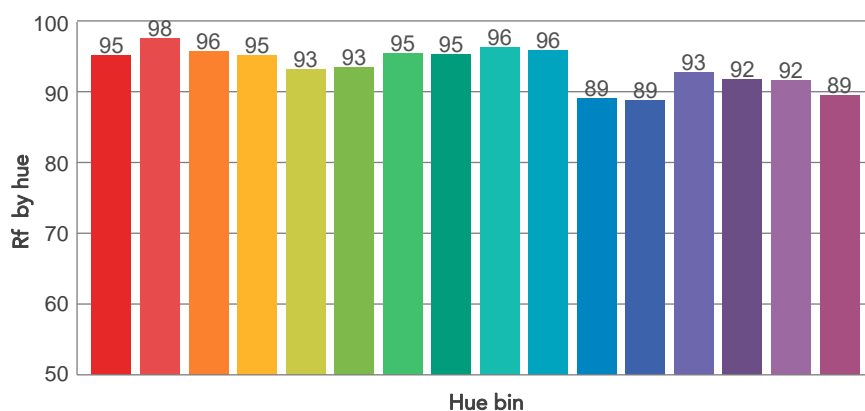
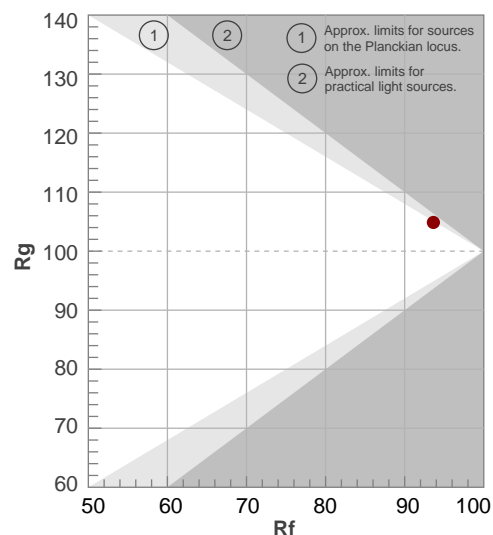
Rf 93,6

Fidelity index Rf

Rg 104,9

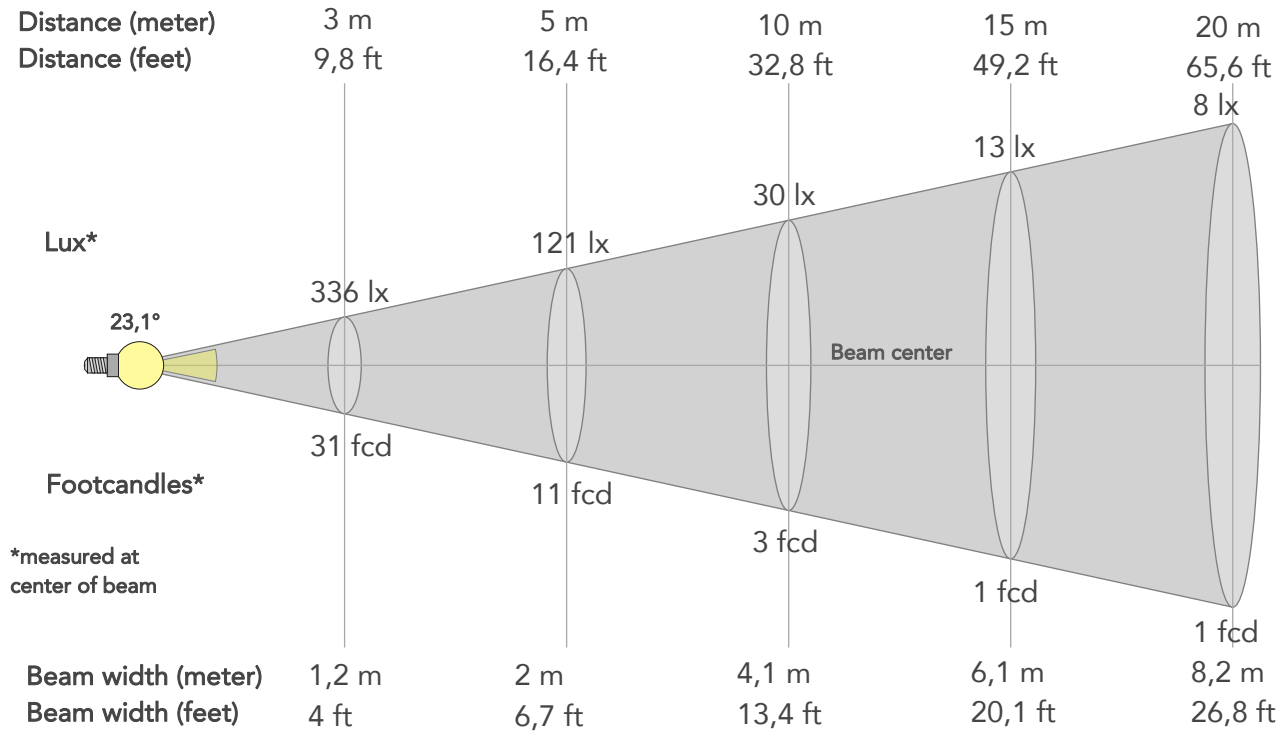
Gammut index

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



BEAM DETAILS

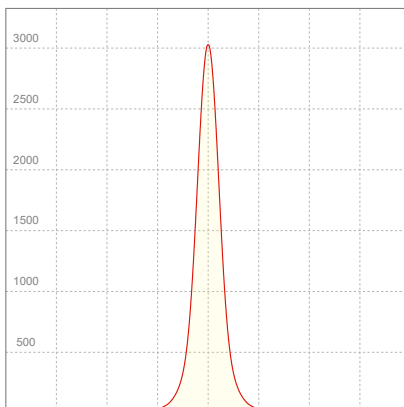
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,1°	46,4°	71,3°	97,0%	93,3%



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	3023lx	756lx	336lx	189lx	121lx	54lx	30lx	13lx	8lx	5lx	3lx	2lx	1lx
Footcand.	281fcd	70fcd	31fcd	18fcd	11fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3,1m	4,1m	6,1m	8,2m	10,2m	12,3m	16,4m	20,4m
Beam wid.	1,3ft	2,7ft	4ft	5,4ft	6,7ft	10,1ft	13,4ft	20,1ft	26,8ft	33,5ft	40,2ft	53,6ft	67ft

LINEAR DISTRIBUTION DIAGRAM

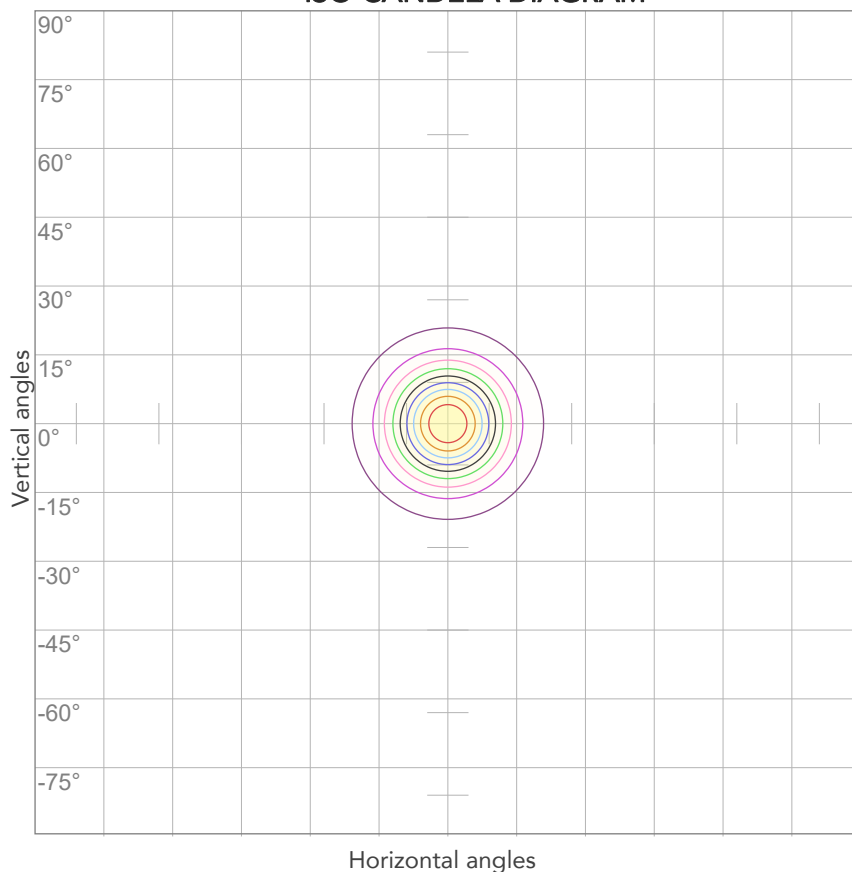


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,093A	17,0W	0,81	43lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



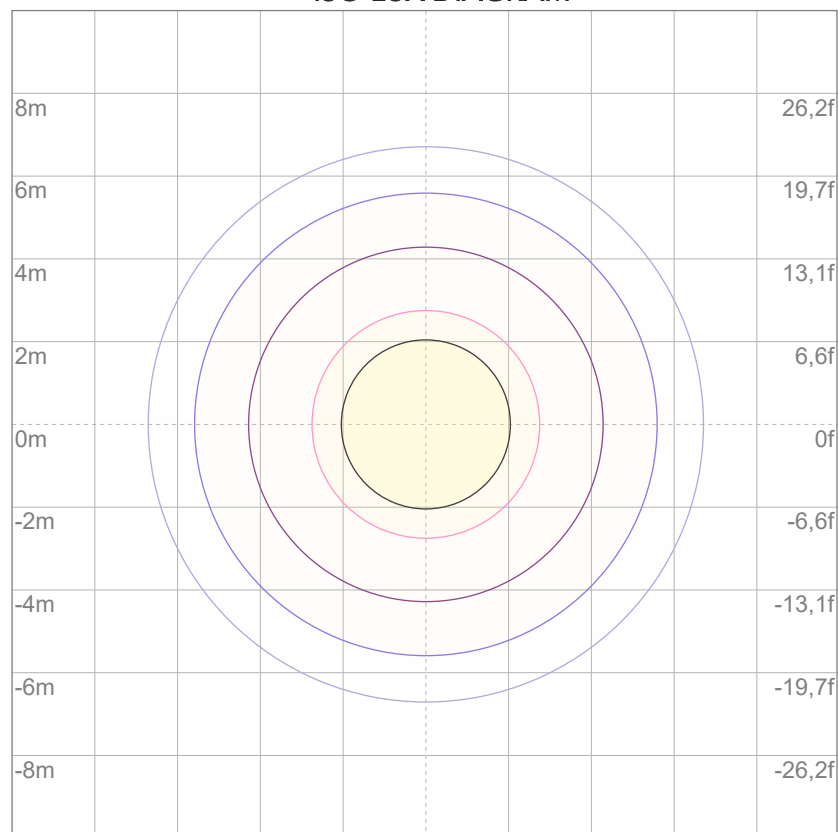
10%	302 cd
20%	605 cd
30%	907 cd
40%	1209 cd
50%	1512 cd
60%	1814 cd
70%	2116 cd
80%	2419 cd

Conditions:

Number of c-planes: 2

Candela at center: 3023 cd

ISO LUX DIAGRAM



3%	0,907 lx
5%	1,51 lx
10%	3,02 lx
30%	9,07 lx
50%	15,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 30,2 lx

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



Total lumen output:

686 lm

Peak candela output:

877 cd

Light quality:

CRI: 94,4

Color temperature:

4254 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

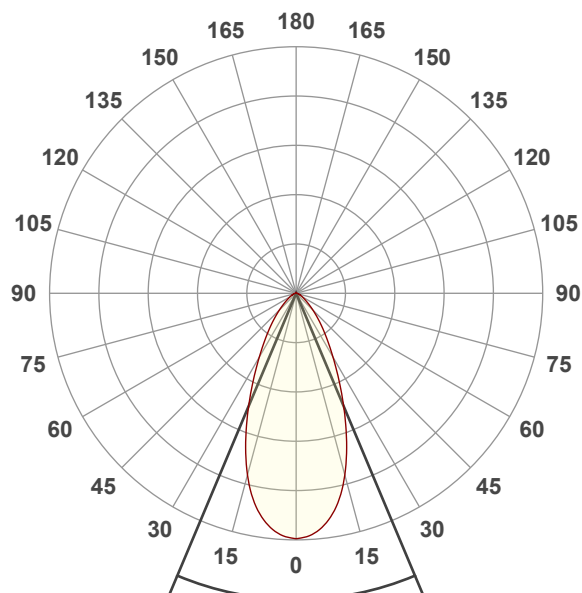
Full On

Operator:

Salvatore Giglio

Date and time:

29/02/2024 12:52:48

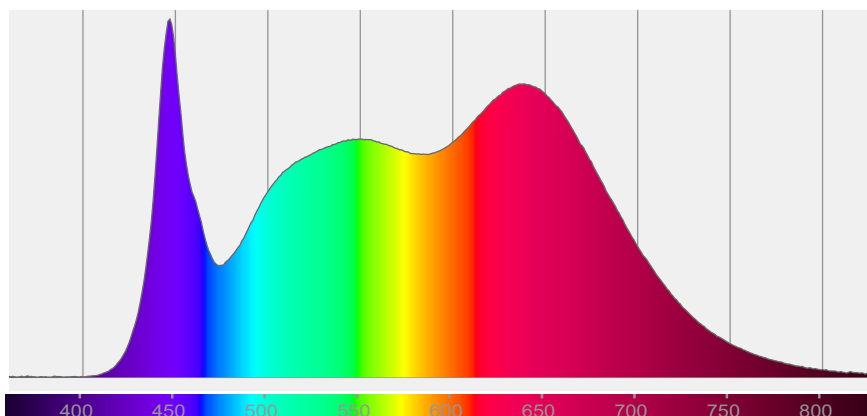


Beam angle 50%: 45,6°

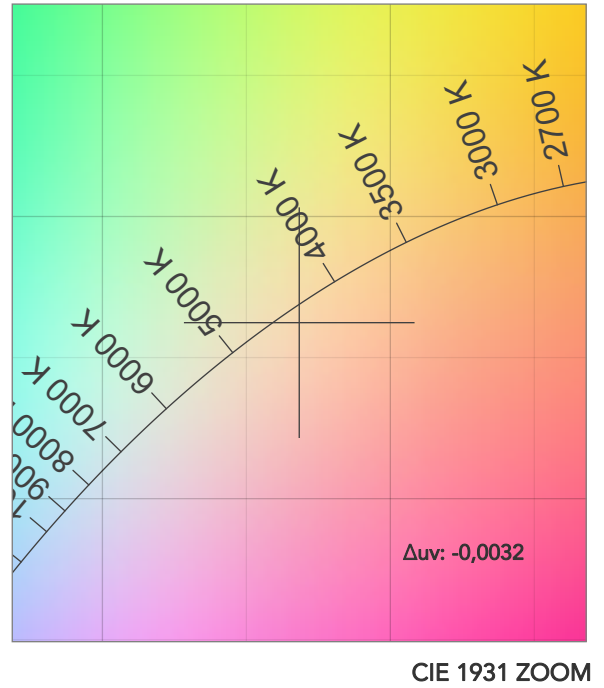
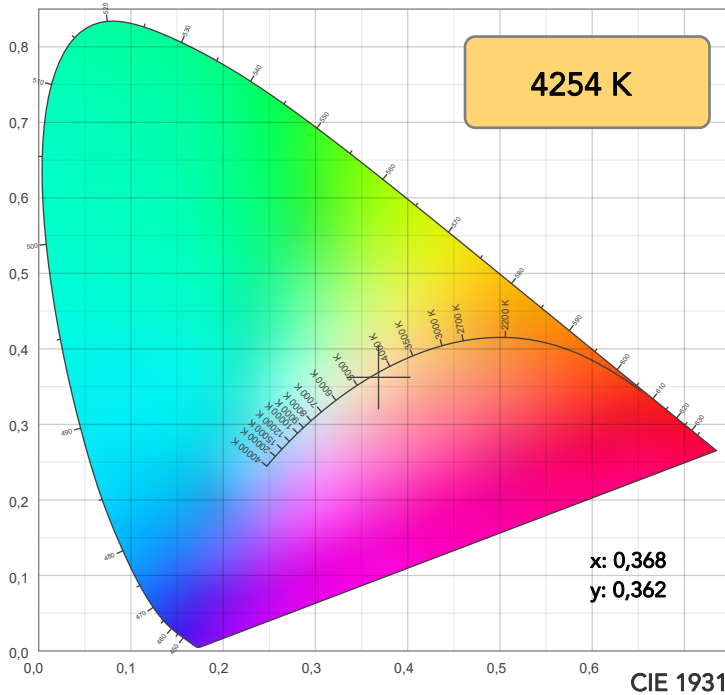
Field angle 10%: 89,3°

Cut off angle 2.5%: 124,6°

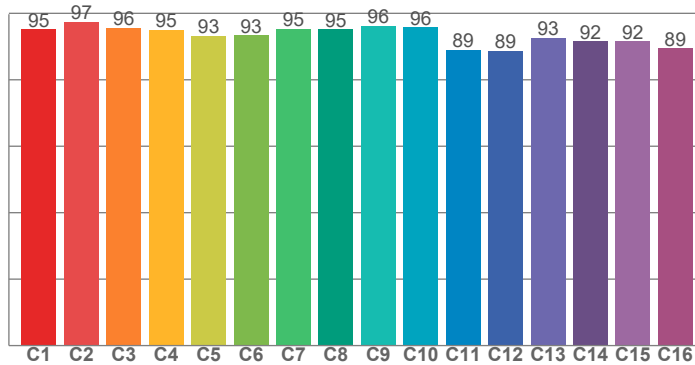
Spectra



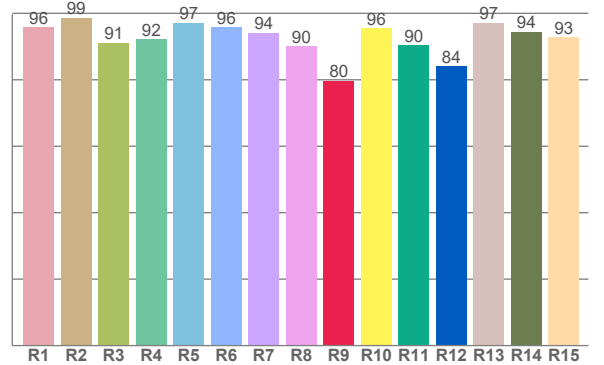
COLOR DETAILS



TM30: 93,6



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
95,7	98,6	91,1	92,3	97,2	95,9	94,1	90,2	79,7	95,5	90,3	84,0	97,1	94,4	92,9

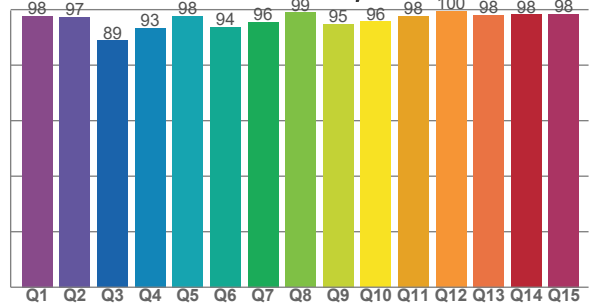
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,7	97,3	88,9	93,4	97,6	93,7	95,6	98,9	94,9	95,6	97,8	99,5	98,0	98,2	98,5

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
4254 K	94,4	79,7	93,6	104,9	95,5	97	0,368	0,362	-0,0032

TM30 DETAILS

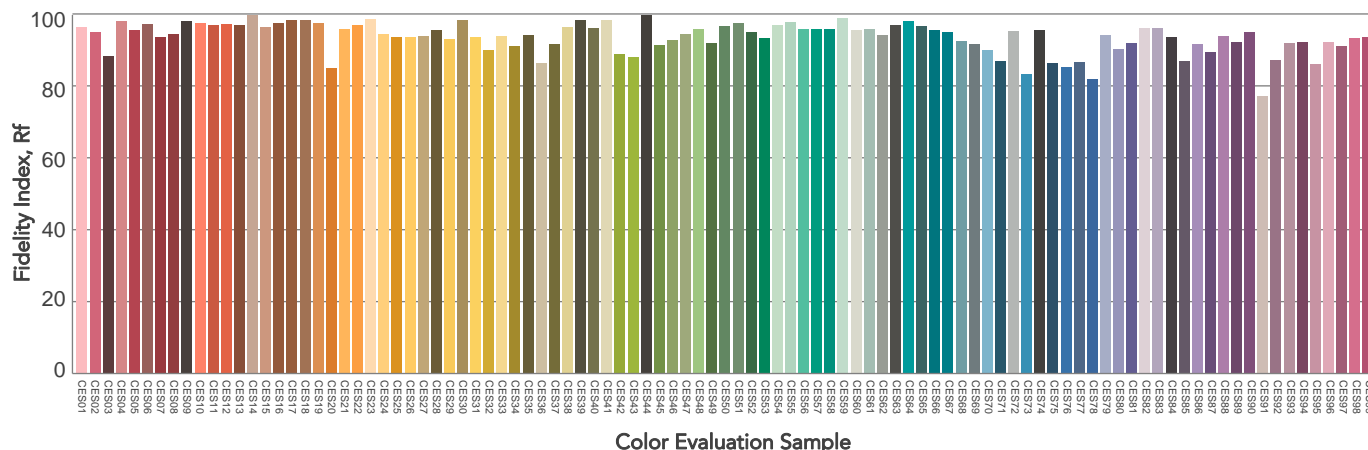
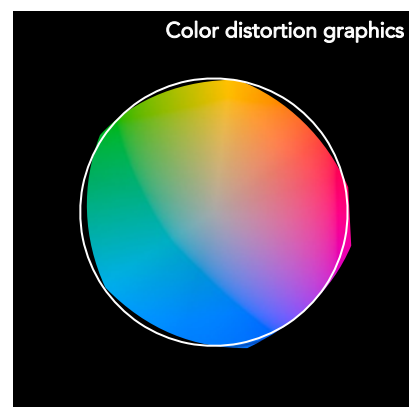
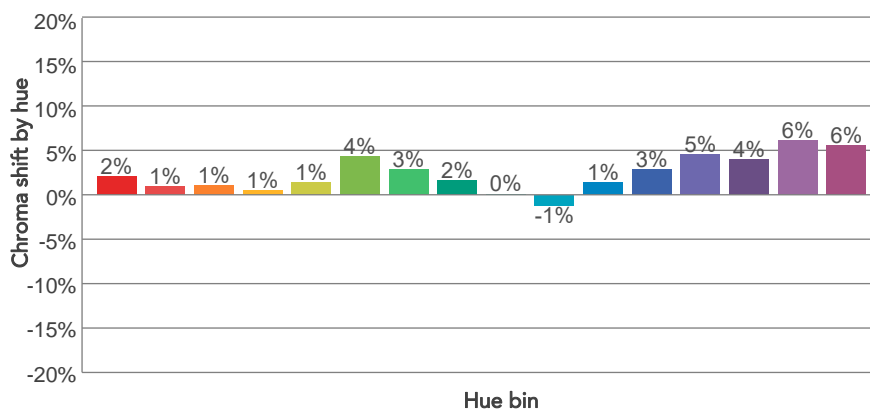
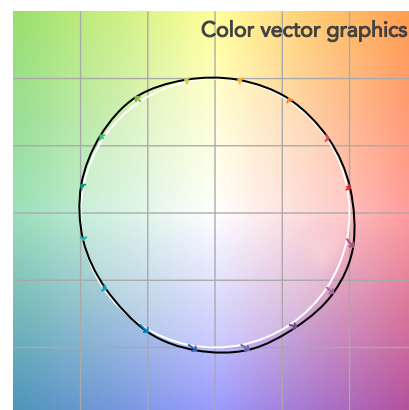
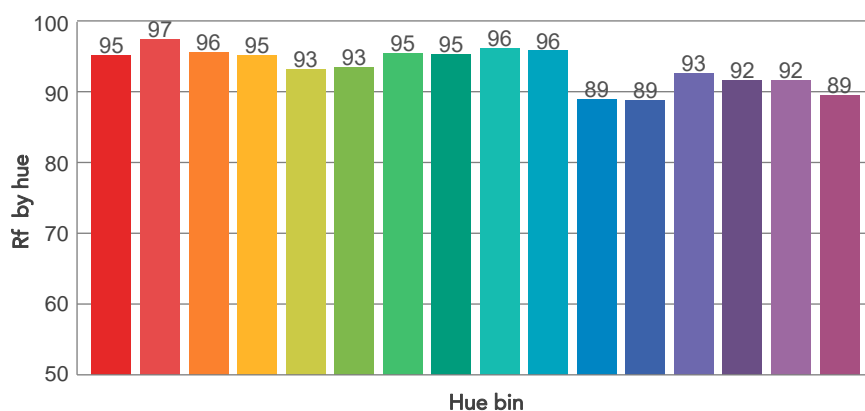
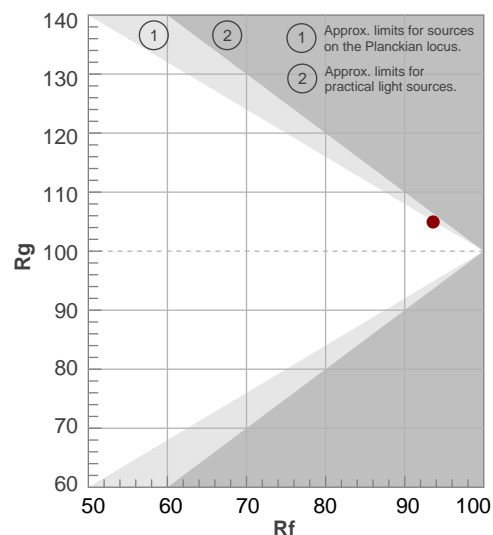
Rf 93,6

Fidelity index Rf

Rg 104,9

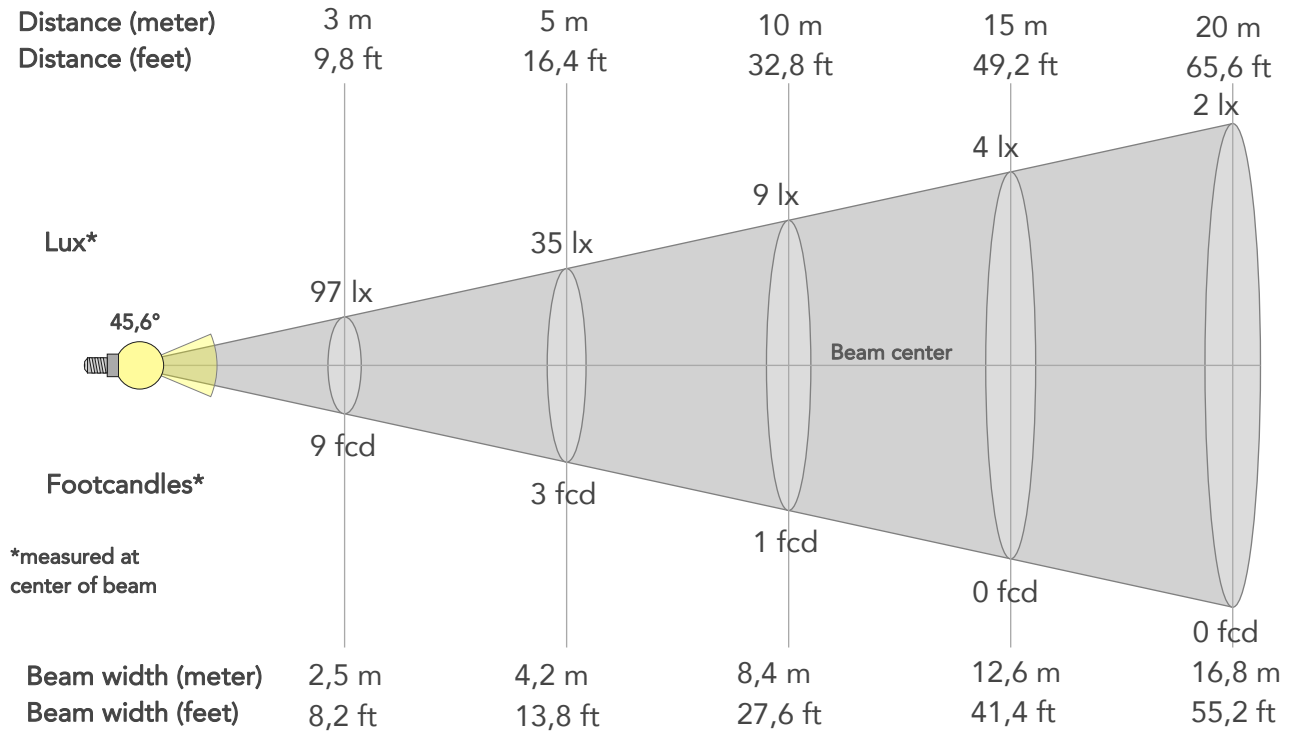
Gammut index

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



BEAM DETAILS

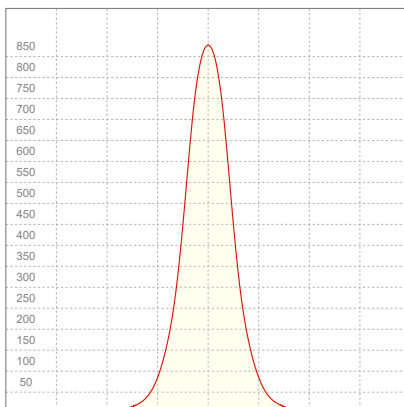
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,6°	89,3°	124,6°	95,5%	86,5%



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	877lx	219lx	97lx	55lx	35lx	16lx	9lx	4lx	2lx	1lx	1lx	1lx	0lx
Footcand.	81fcd	20fcd	9fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,4m	4,2m	6,3m	8,4m	12,6m	16,8m	21m	25,3m	33,7m	42,1m
Beam wid.	2,8ft	5,6ft	8,2ft	11ft	13,8ft	20,7ft	27,6ft	41,4ft	55,2ft	69ft	82,8ft	110,4ft	138ft

LINEAR DISTRIBUTION DIAGRAM

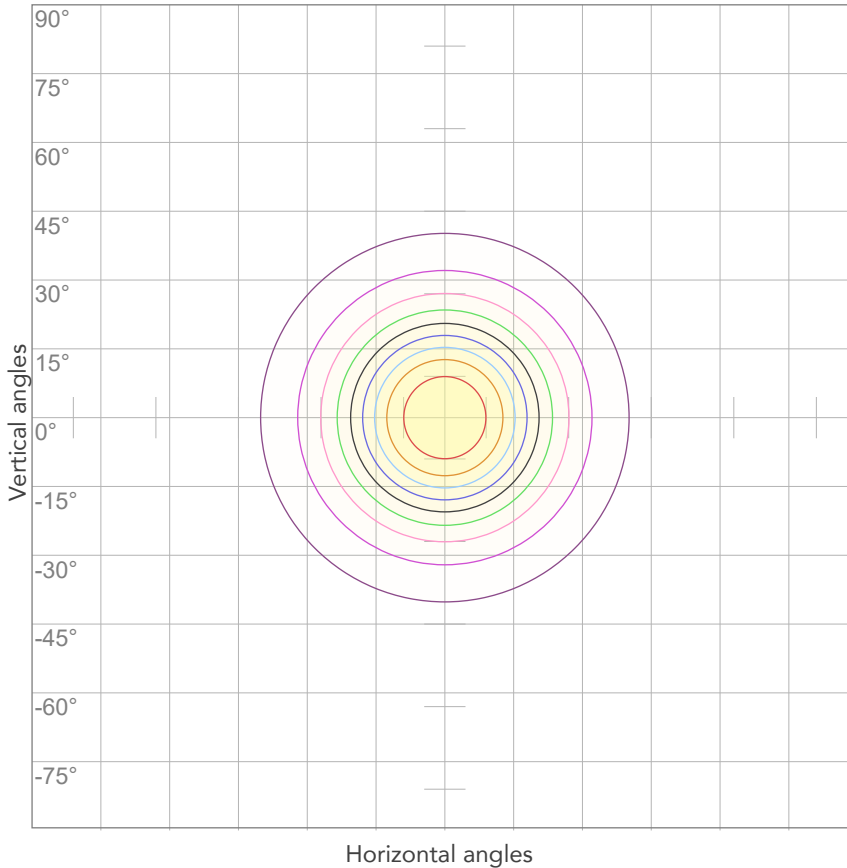


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,093A	16,9W	0,8	41lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



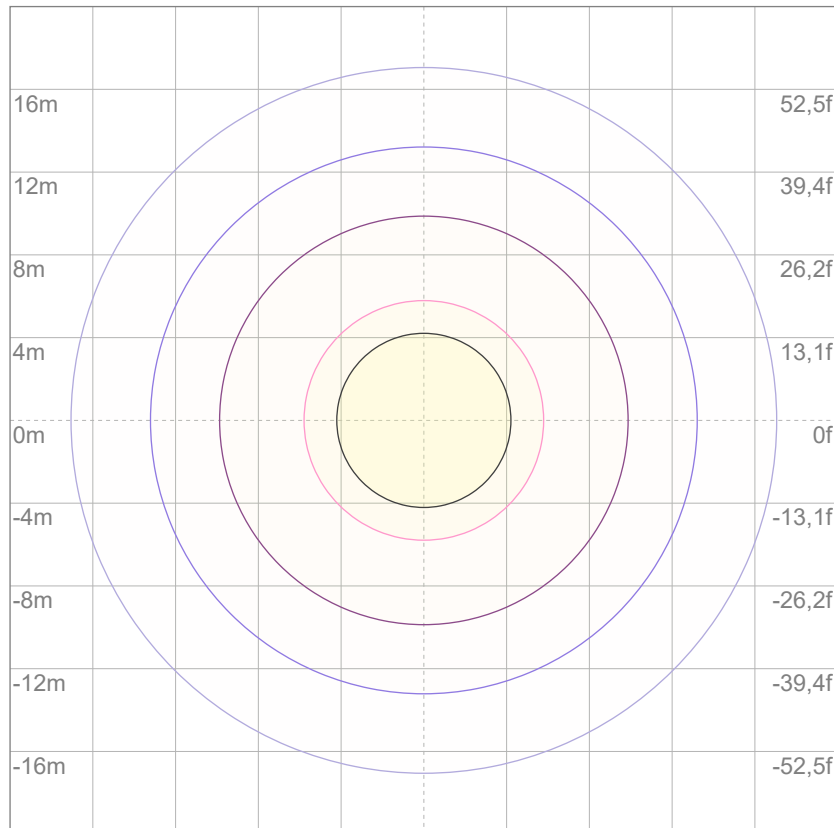
10%	88 cd
20%	175 cd
30%	263 cd
40%	351 cd
50%	439 cd
60%	526 cd
70%	614 cd
80%	702 cd

Conditions:

Number of c-planes: 2

Candela at center: 877 cd

ISO LUX DIAGRAM



3%	0,263 lx
5%	0,439 lx
10%	0,877 lx
30%	2,63 lx
50%	4,39 lx

Conditions:

Number of c-planes: 2

Lux at center: 8,77 lx

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



Total lumen output:

714 lm

Peak candela output:

631 cd

Light quality:

CRI: 94,4

Color temperature:

4255 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

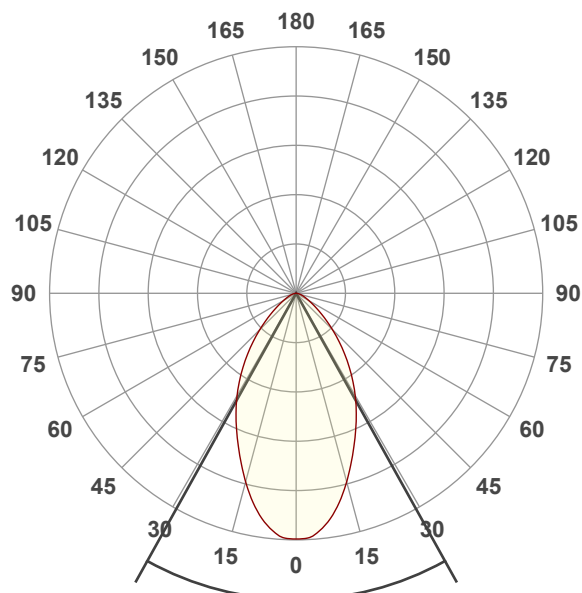
Full On

Operator:

Salvatore Giglio

Date and time:

29/02/2024 12:54:41

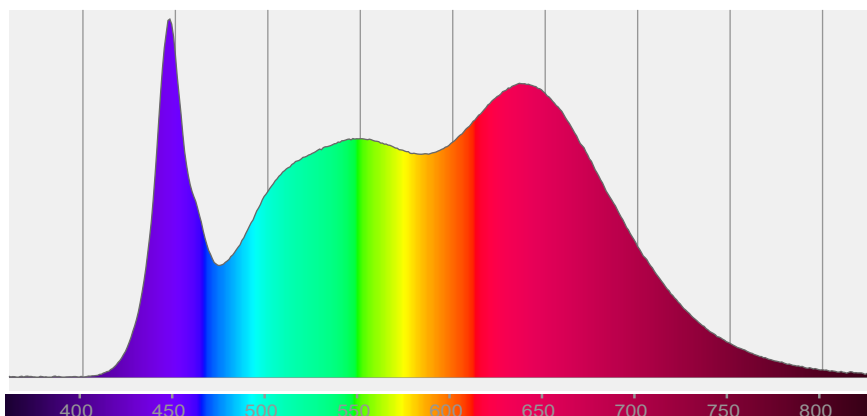


Beam angle 50%: 58,1°

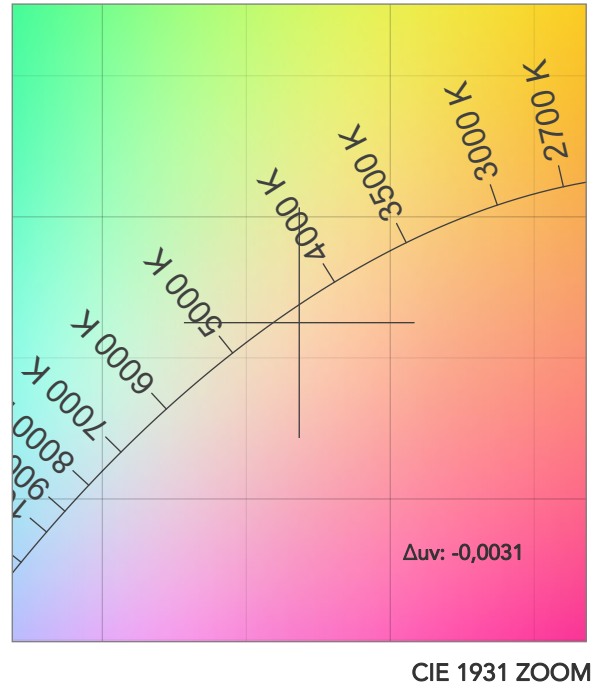
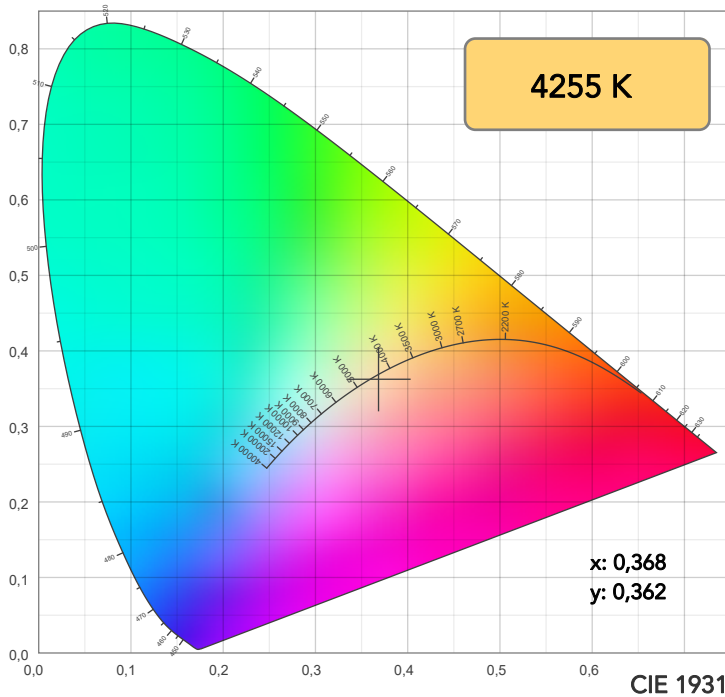
Field angle 10%: 108,3°

Cut off angle 2.5%: 142,3°

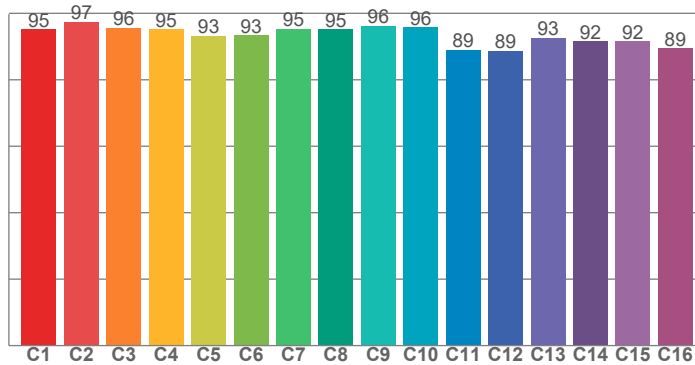
Spectra



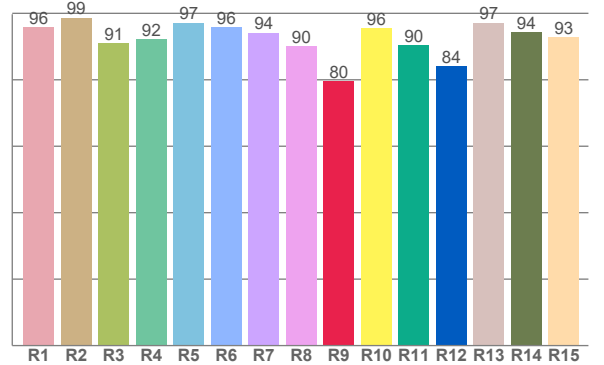
COLOR DETAILS



TM30: 93,6



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
95,7	98,6	91,1	92,2	97,1	95,9	94,1	90,1	79,6	95,5	90,3	84,0	97,1	94,4	92,9

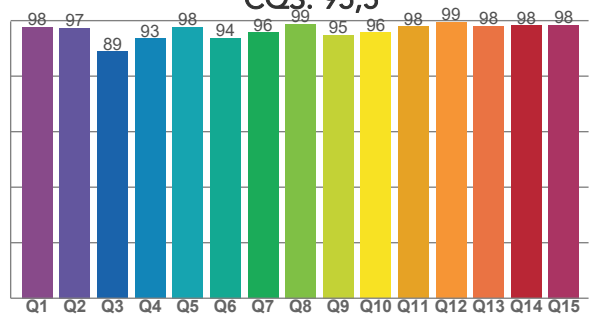
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,6	97,3	88,9	93,5	97,7	93,7	95,6	98,9	94,9	95,7	97,8	99,4	98,0	98,2	98,5

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
4255 K	94,4	79,6	93,6	104,9	95,5	97	0,368	0,362	-0,0031

TM30 DETAILS

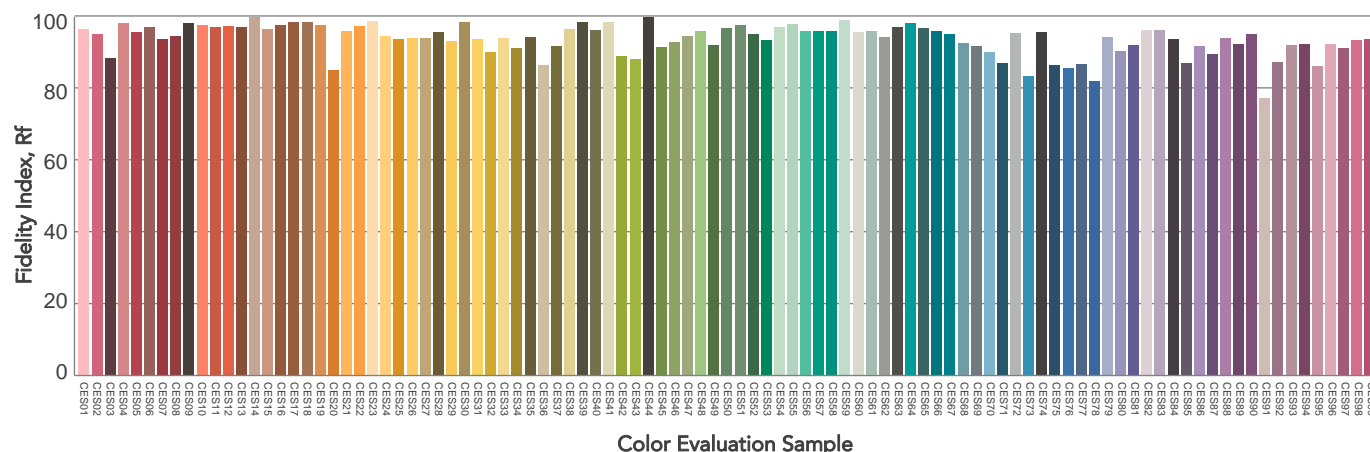
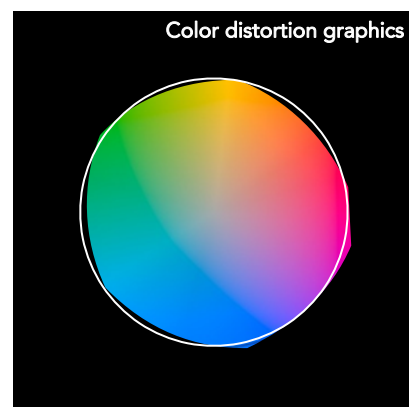
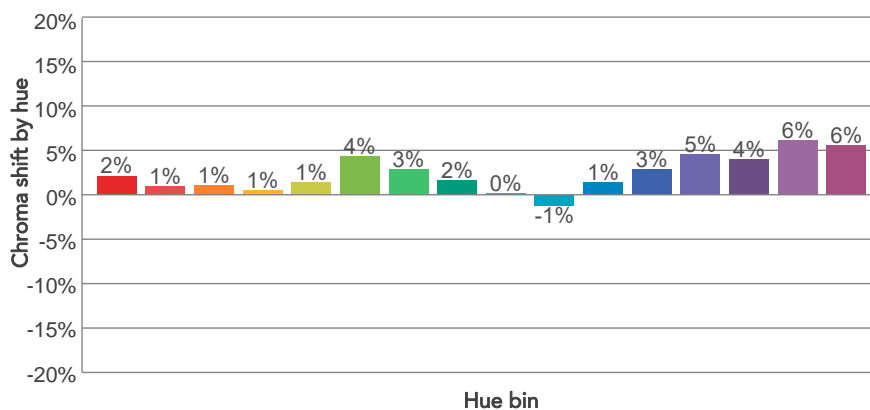
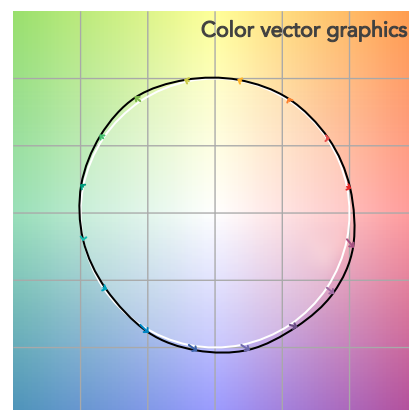
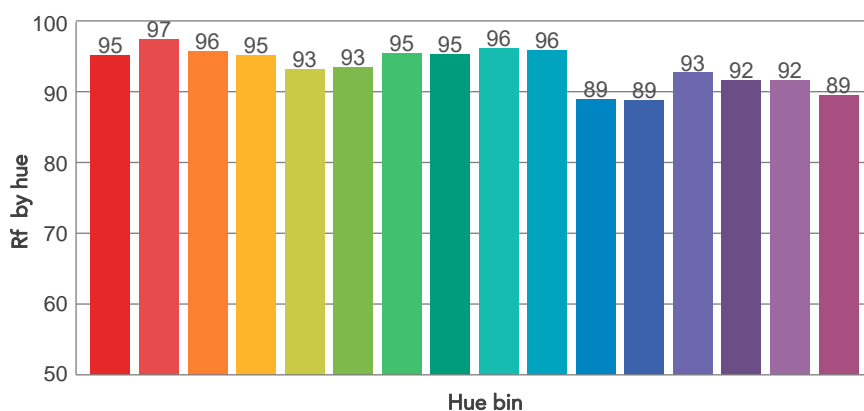
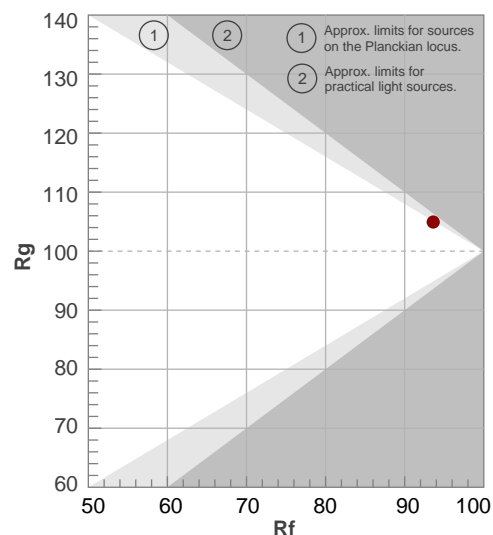
Rf 93,6

Fidelity index Rf

Rg 104,9

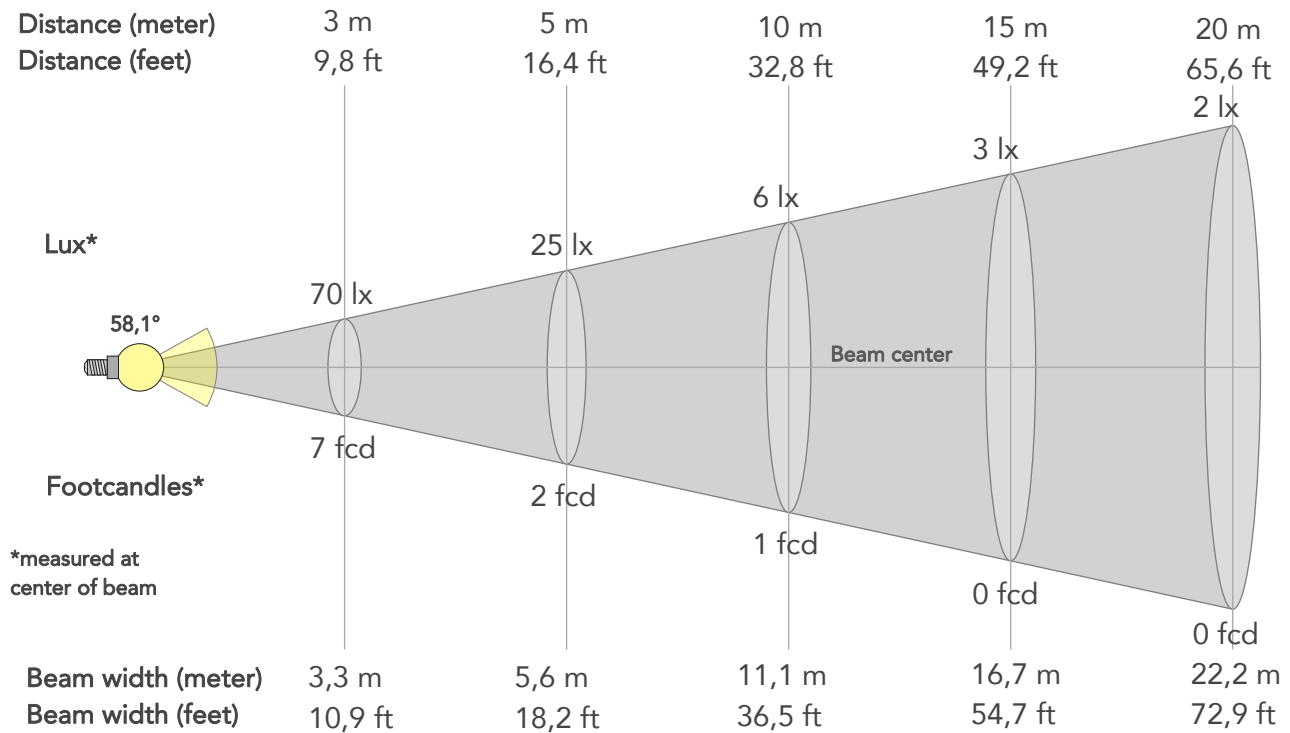
Gammut index

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



BEAM DETAILS

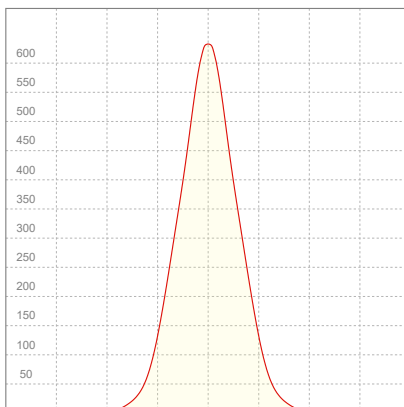
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,1°	108,3°	142,3°	94,2%	80,4%



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	631lx	158lx	70lx	39lx	25lx	11lx	6lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	59fcd	15fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	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	72,9ft	91,2ft	109,4ft	145,9ft	182,4ft

LINEAR DISTRIBUTION DIAGRAM

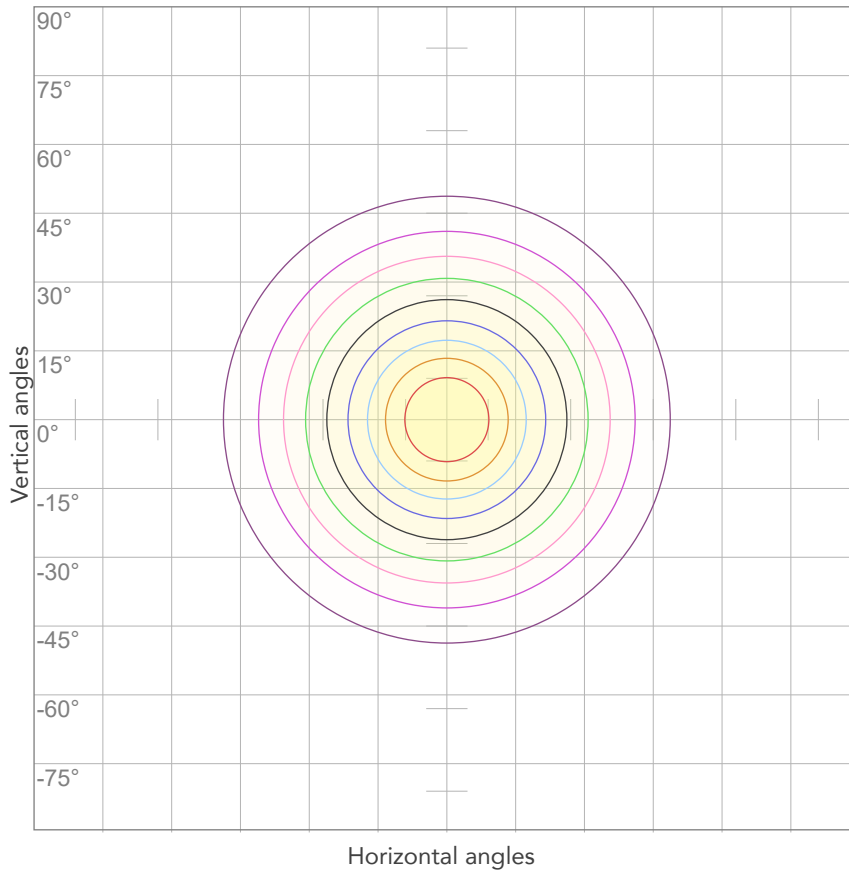


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,093A	17,0W	0,8	42lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



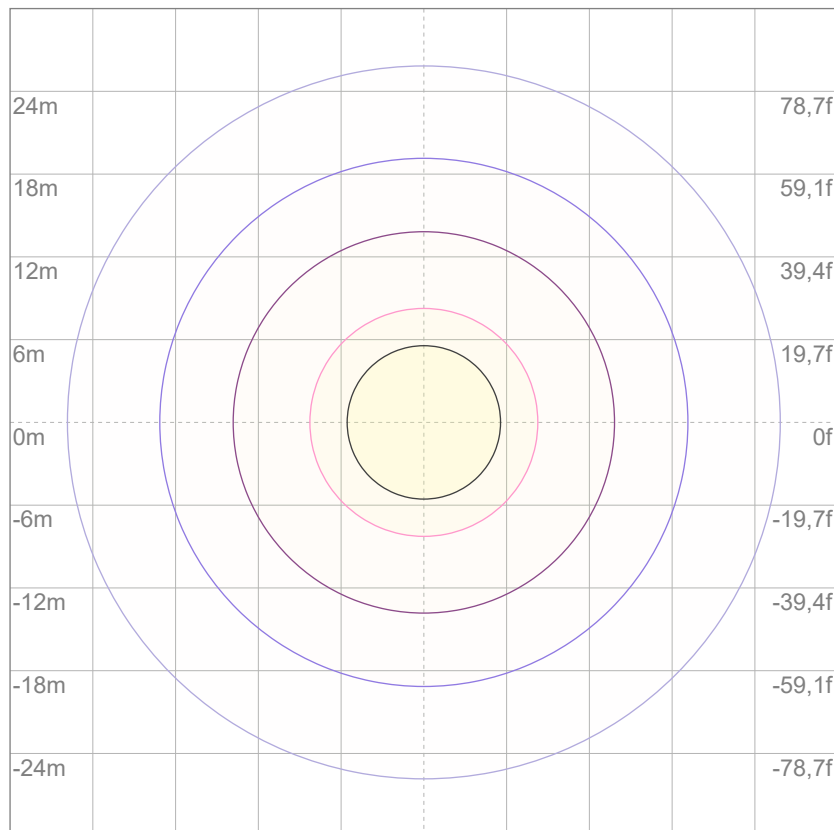
10%	63 cd
20%	126 cd
30%	189 cd
40%	252 cd
50%	315 cd
60%	378 cd
70%	441 cd
80%	505 cd

Conditions:

Number of c-planes: 2

Candela at center: 631 cd

ISO LUX DIAGRAM



3%	0,189 lx
5%	0,315 lx
10%	0,631 lx
30%	1,89 lx
50%	3,15 lx

Conditions:

Number of c-planes: 2

Lux at center: 6,31 lx

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



Total lumen output:

1074 lm

Peak candela output:

2235 cd

Light quality:

CRI: 94,4

Color temperature:

4224 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

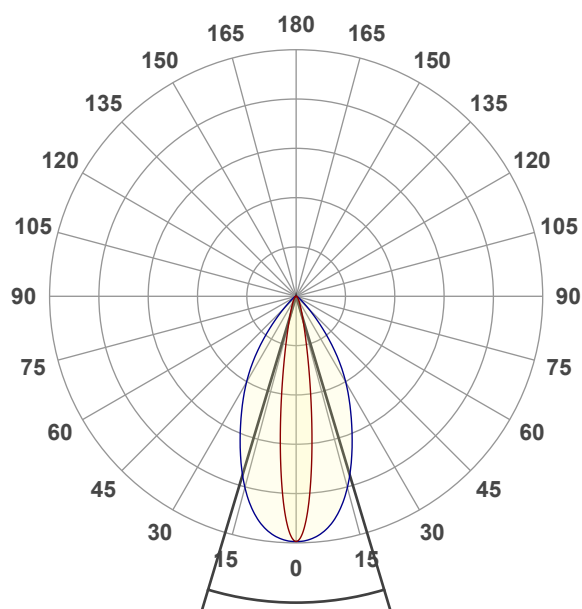
Full On

Operator:

Salvatore Giglio

Date and time:

29/02/2024 13:32:42

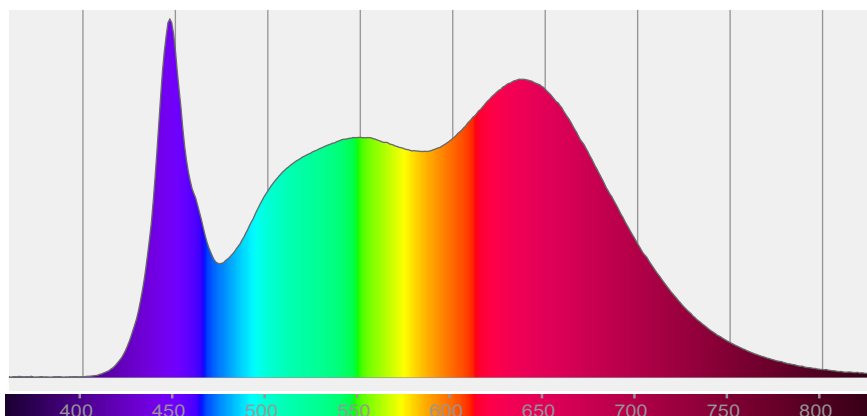


Beam angle 50%: 33,4°

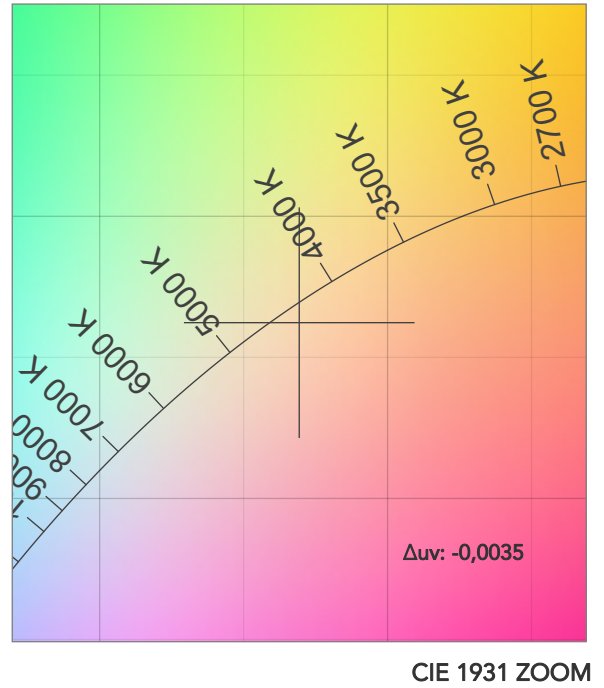
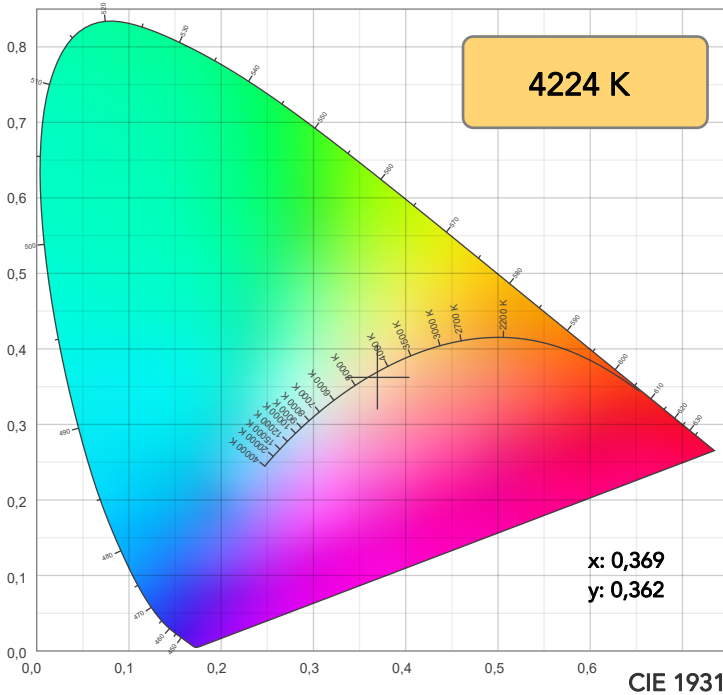
Field angle 10%: 59,3°

Cut off angle 2.5%: 82,5°

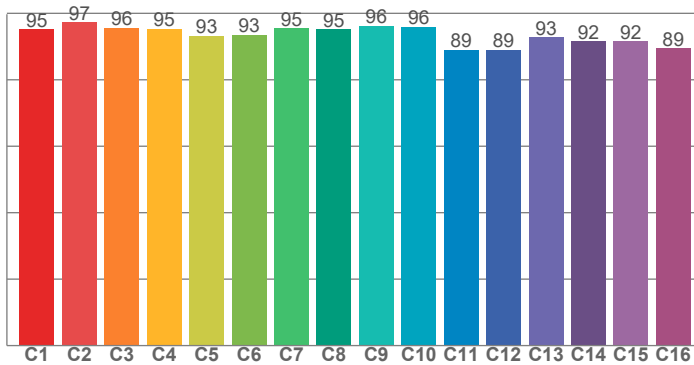
Spectra



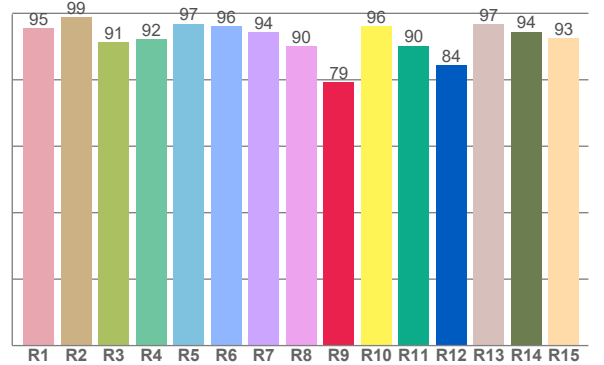
COLOR DETAILS



TM30: 93,6



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
95,4	98,7	91,3	92,2	96,9	96,1	94,3	90,1	79,2	96,0	90,2	84,3	96,8	94,5	92,5

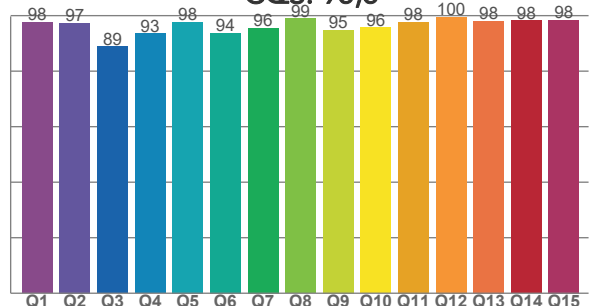
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,6	97,3	88,9	93,5	97,8	93,7	95,6	98,9	94,9	95,7	97,7	99,6	98,1	98,2	98,4

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
4224 K	94,4	79,2	93,6	105,0	95,5	97	0,369	0,362	-0,0035

TM30 DETAILS

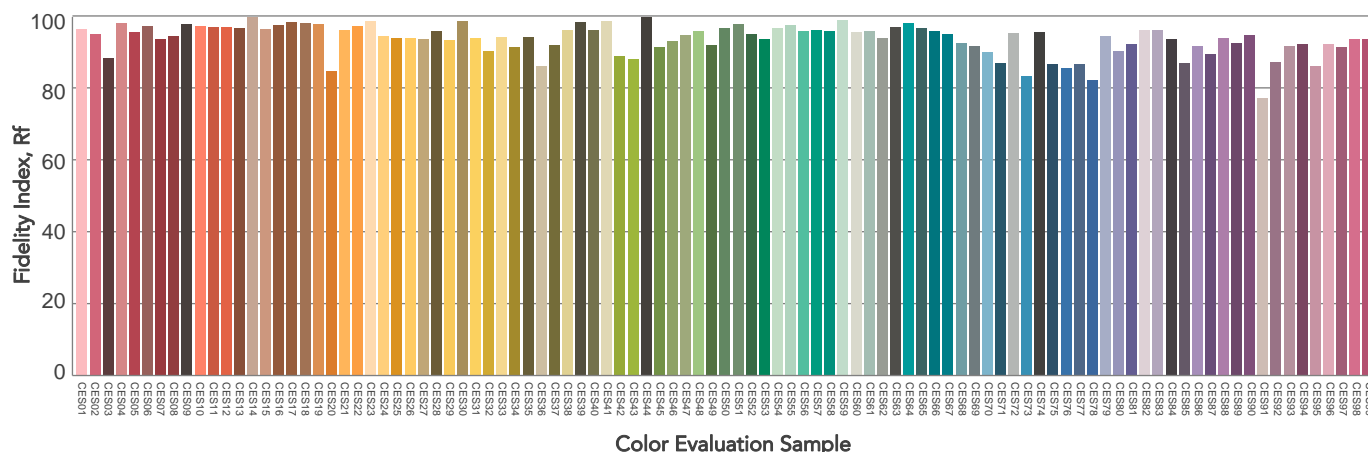
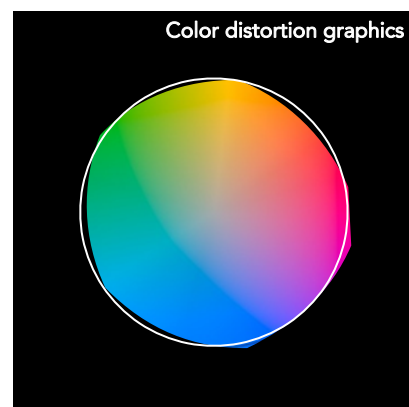
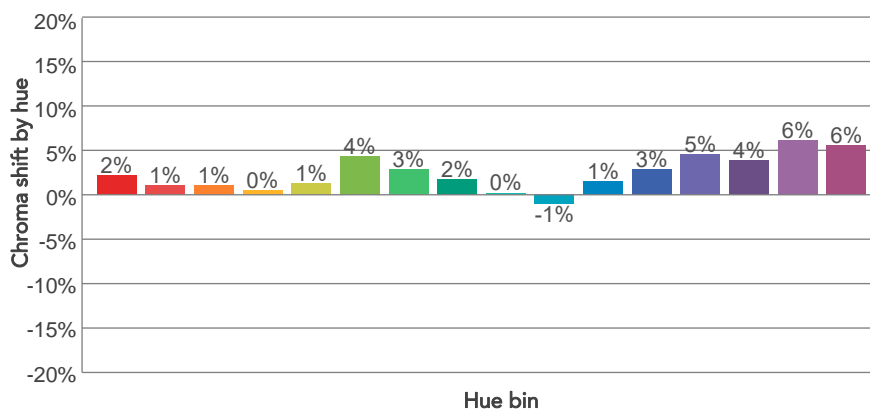
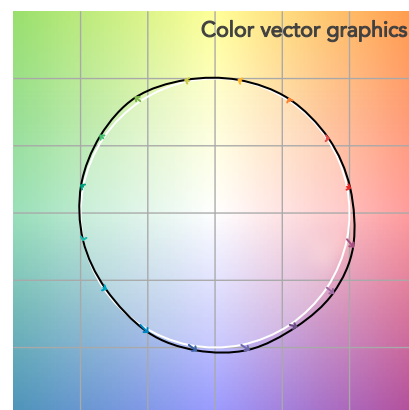
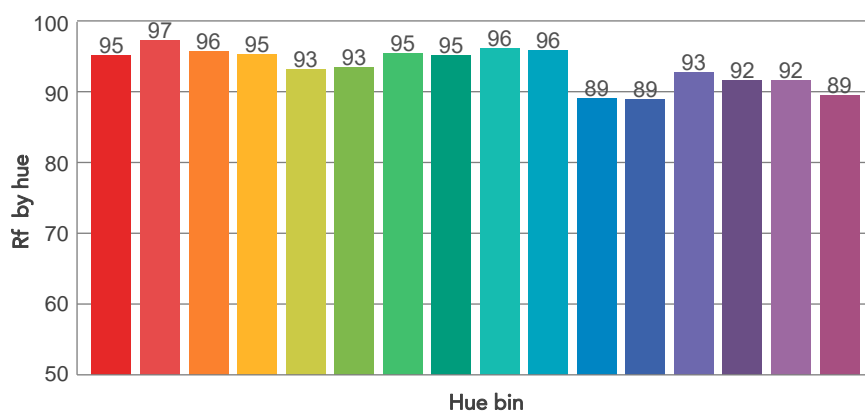
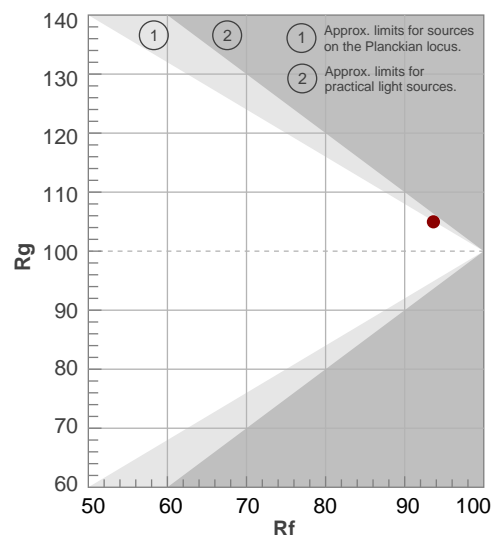
Rf 93,6

Fidelity index Rf

Rg 105,0

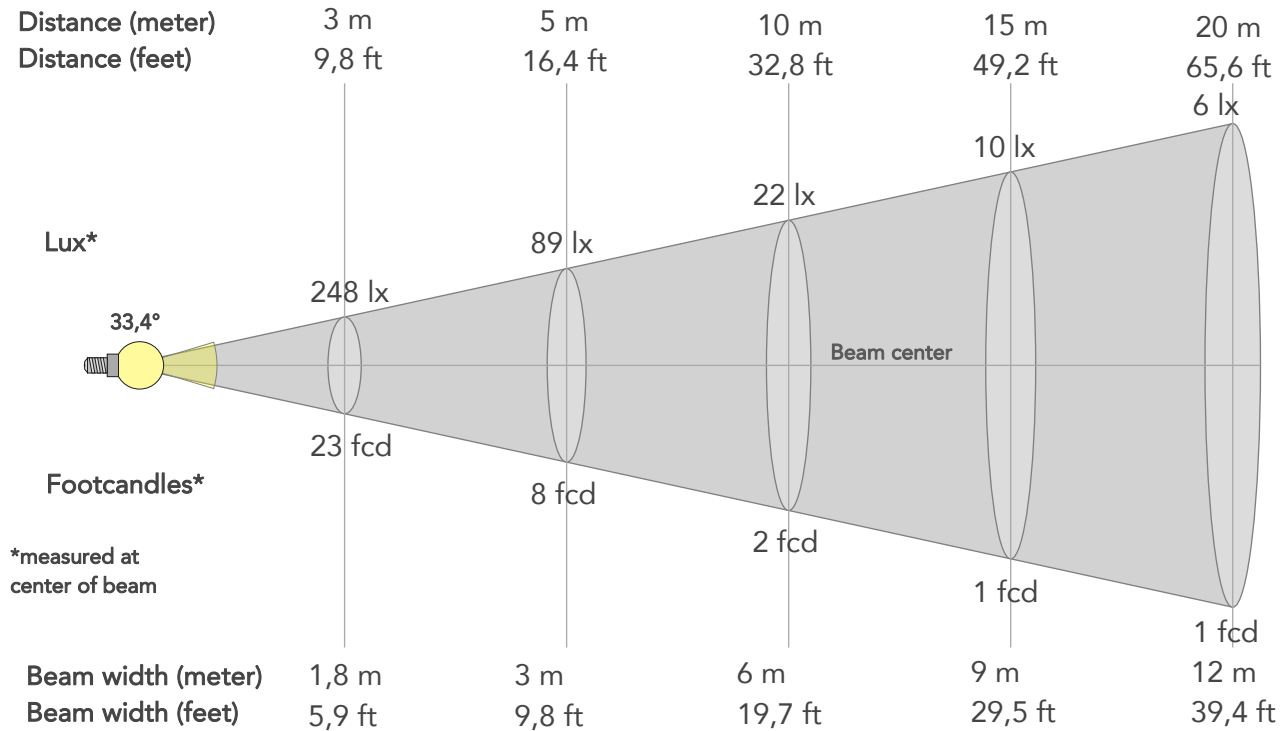
Gammut index

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



BEAM DETAILS

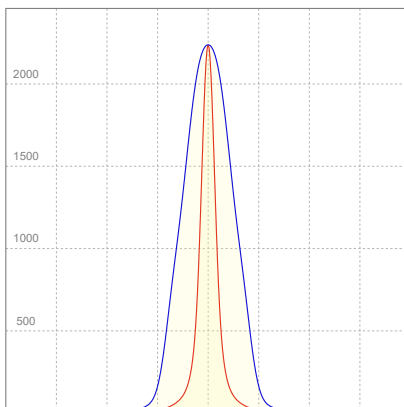
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,4°	59,3°	82,5°	97,7%	92,8%



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	2234lx	559lx	248lx	140lx	89lx	40lx	22lx	10lx	6lx	4lx	2lx	1lx	1lx
Footcand.	208fcd	52fcd	23fcd	13fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,8ft	14,8ft	19,7ft	29,5ft	39,4ft	49,2ft	59,1ft	78,7ft	98,4ft

LINEAR DISTRIBUTION DIAGRAM

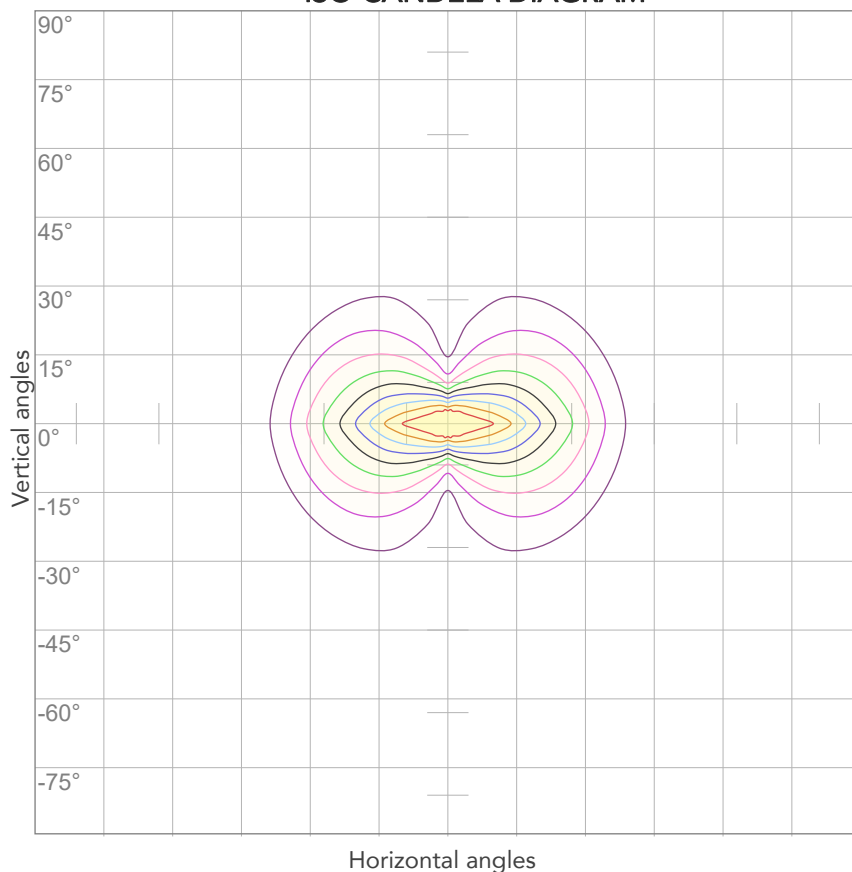


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,093A	16,9W	0,8	64lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



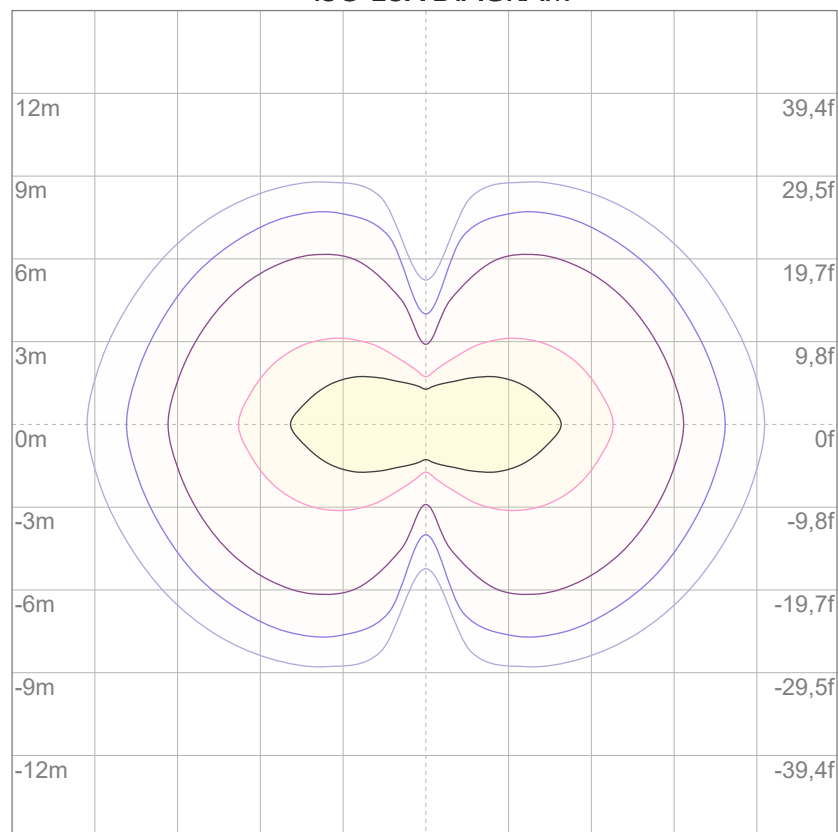
10%	223 cd
20%	447 cd
30%	670 cd
40%	894 cd
50%	1117 cd
60%	1341 cd
70%	1564 cd
80%	1787 cd

Conditions:

Number of c-planes: 4

Candela at center: 2234 cd

ISO LUX DIAGRAM



3%	0,670 lx
5%	1,12 lx
10%	2,23 lx
30%	6,70 lx
50%	11,2 lx

Conditions:

Number of c-planes: 4

Lux at center: 22,3 lx

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



Total lumen output:

669 lm

Peak candela output:

1121 cd

Light quality:

CRI: 94,4

Color temperature:

4263 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

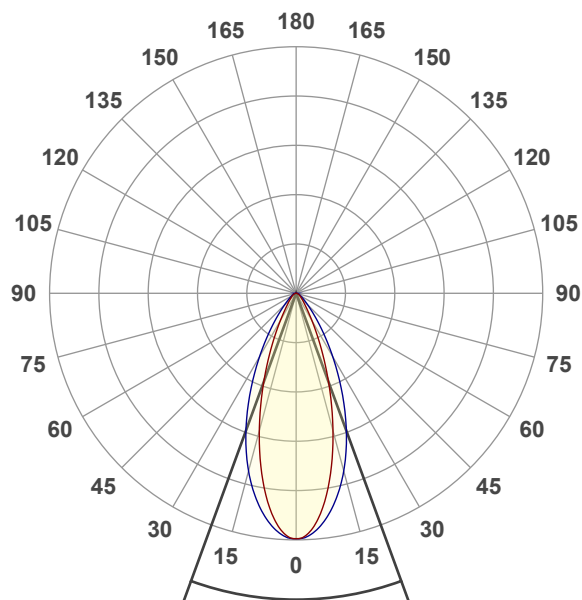
Full On

Operator:

Salvatore Giglio

Date and time:

29/02/2024 14:40:35

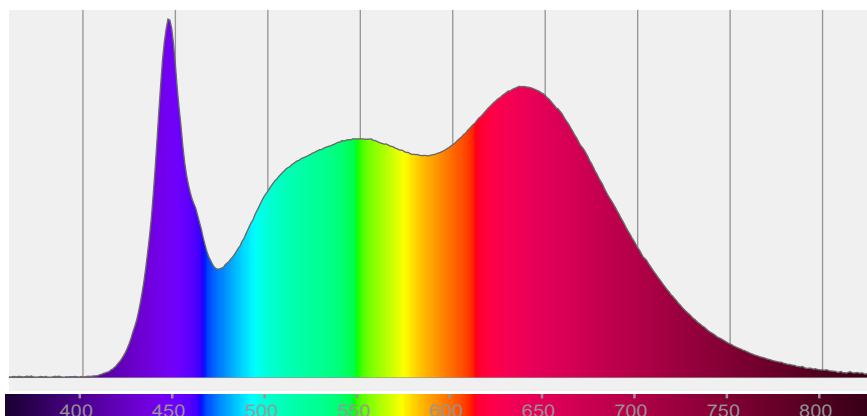


Beam angle 50%: 40,1°

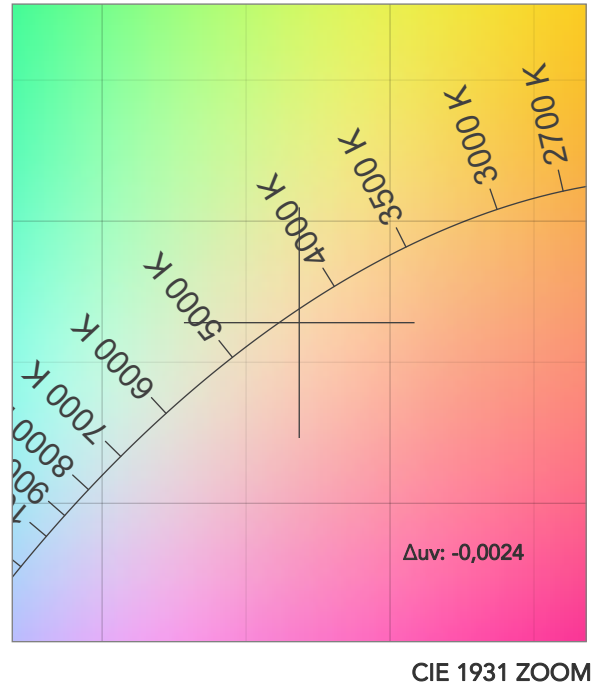
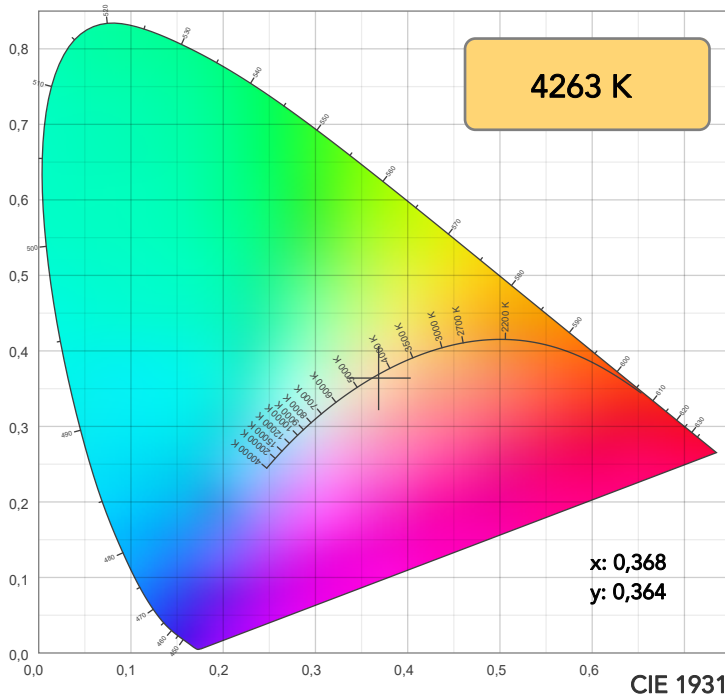
Field angle 10%: 73,3°

Cut off angle 2.5%: 108,4°

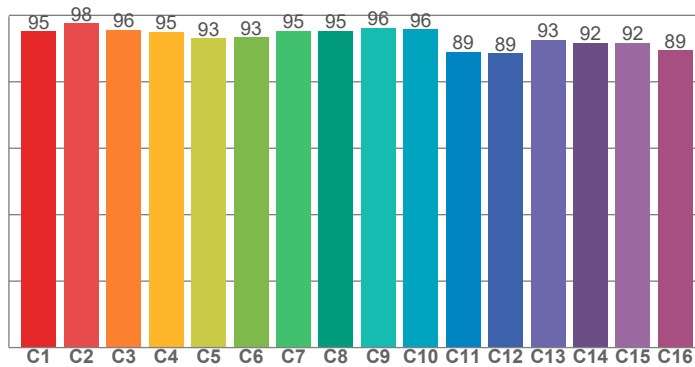
Spectra



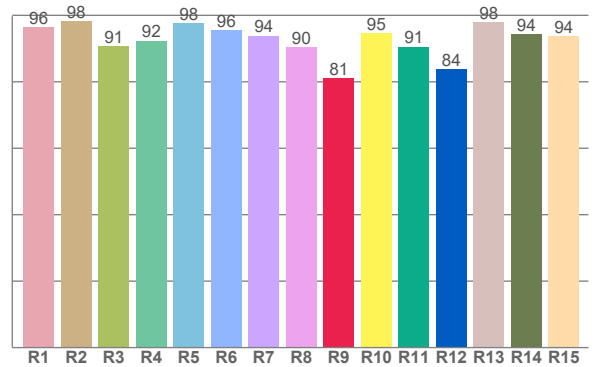
COLOR DETAILS



TM30: 93,6



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
96,4	98,3	90,8	92,3	97,7	95,5	93,8	90,4	81,0	94,5	90,6	83,7	97,8	94,3	93,6

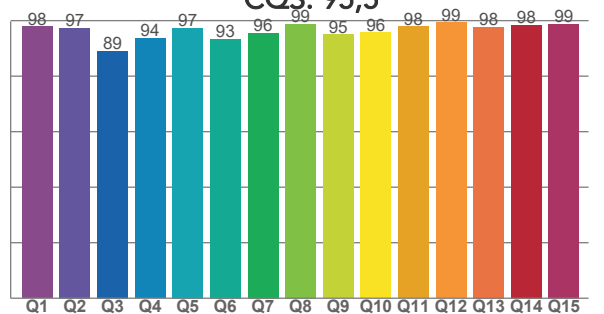
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

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
4263 K	94,4	81,0	93,6	104,8	95,5	97	0,368	0,364	-0,0024

TM30 DETAILS

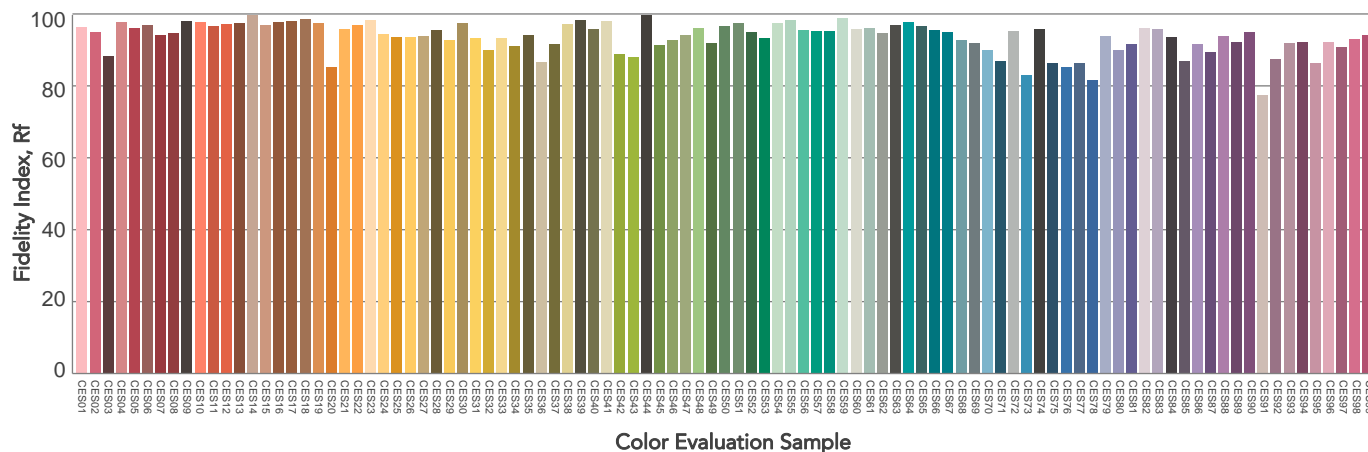
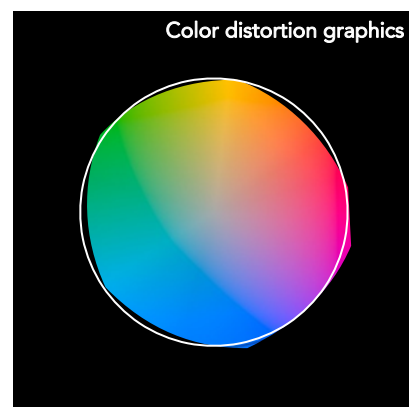
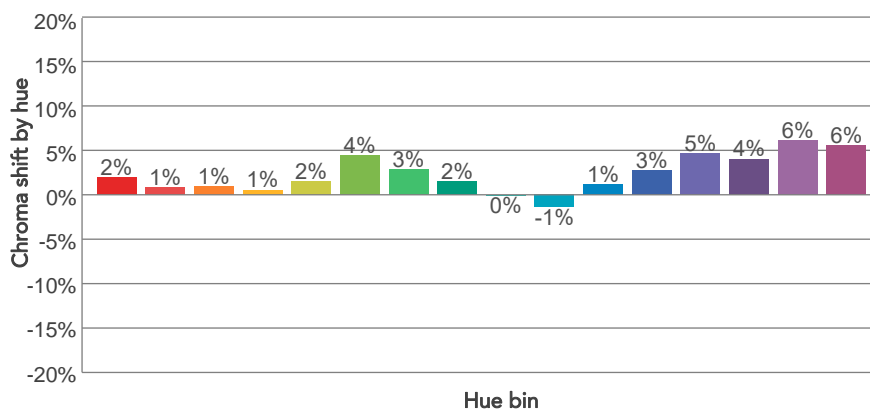
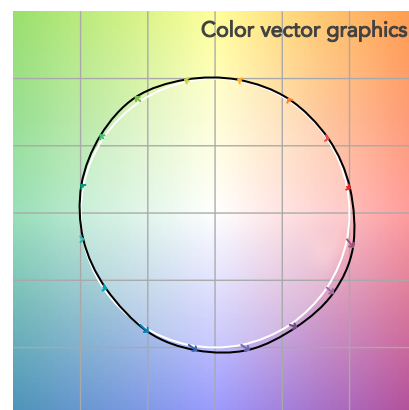
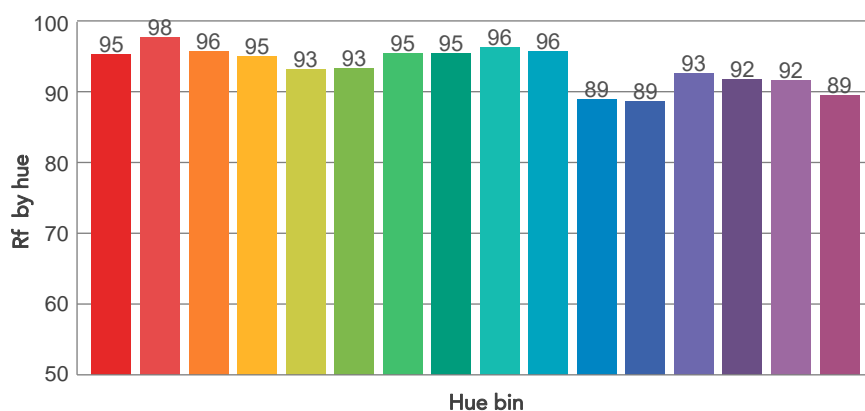
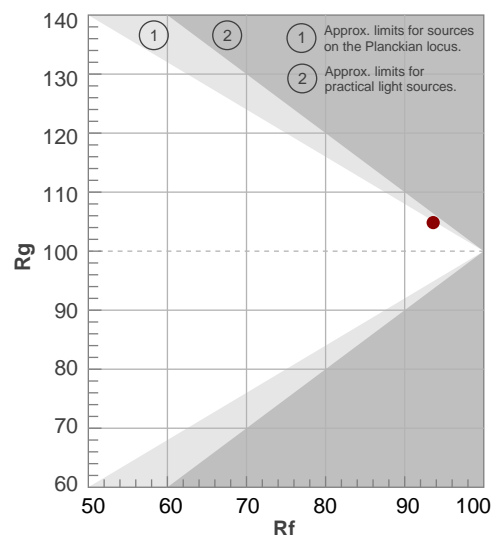
Rf 93,6

Fidelity index Rf

Rg 104,8

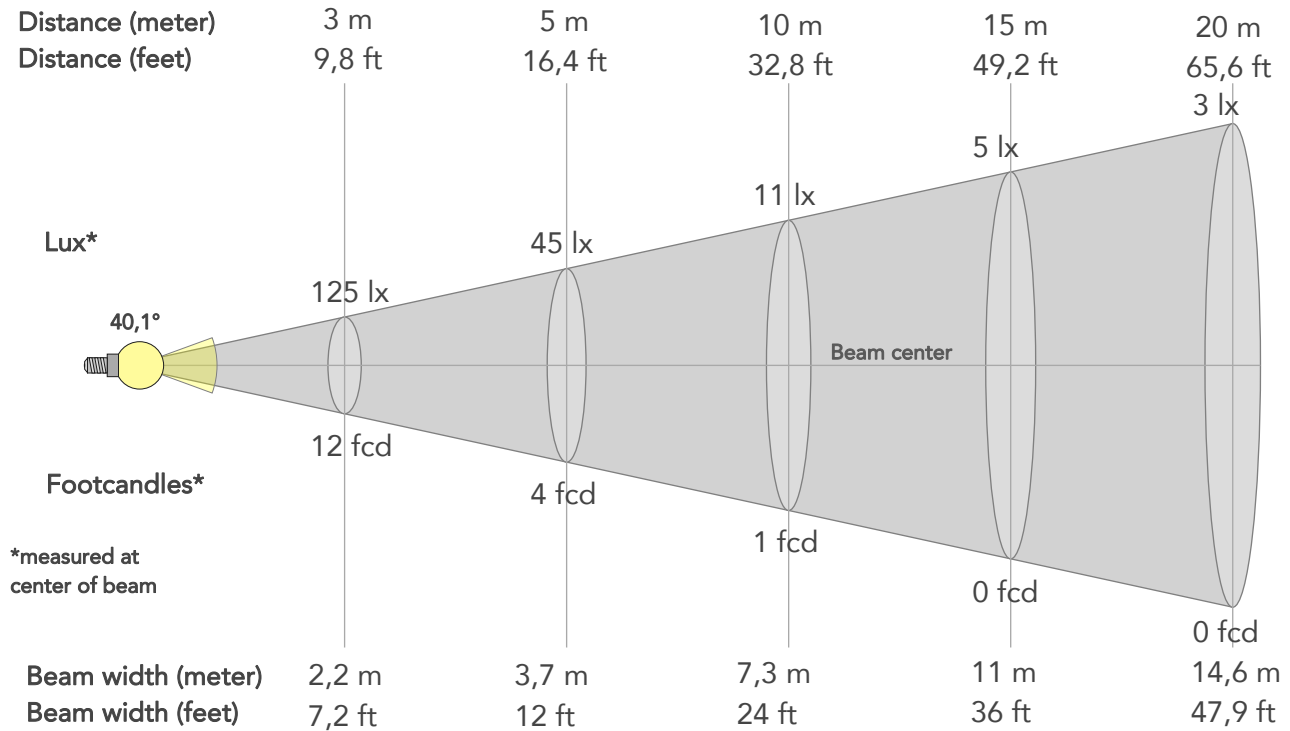
Gammut index

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



BEAM DETAILS

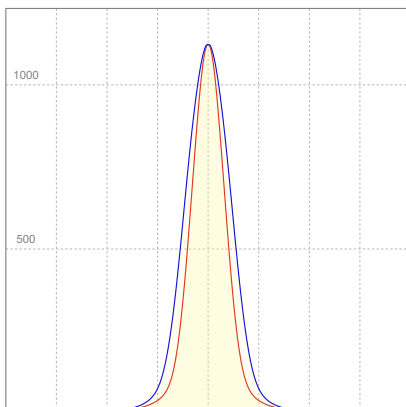
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40,1°	73,3°	108,4°	95,7%	89,1%



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	1121lx	280lx	125lx	70lx	45lx	20lx	11lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	104fcd	26fcd	12fcd	7fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	2,9m	3,7m	5,5m	7,3m	11m	14,6m	18,3m	21,9m	29,2m	36,5m
Beam wid.	2,4ft	4,8ft	7,2ft	9,6ft	12ft	18ft	24ft	36ft	47,9ft	59,9ft	71,9ft	95,9ft	119,8ft

LINEAR DISTRIBUTION DIAGRAM

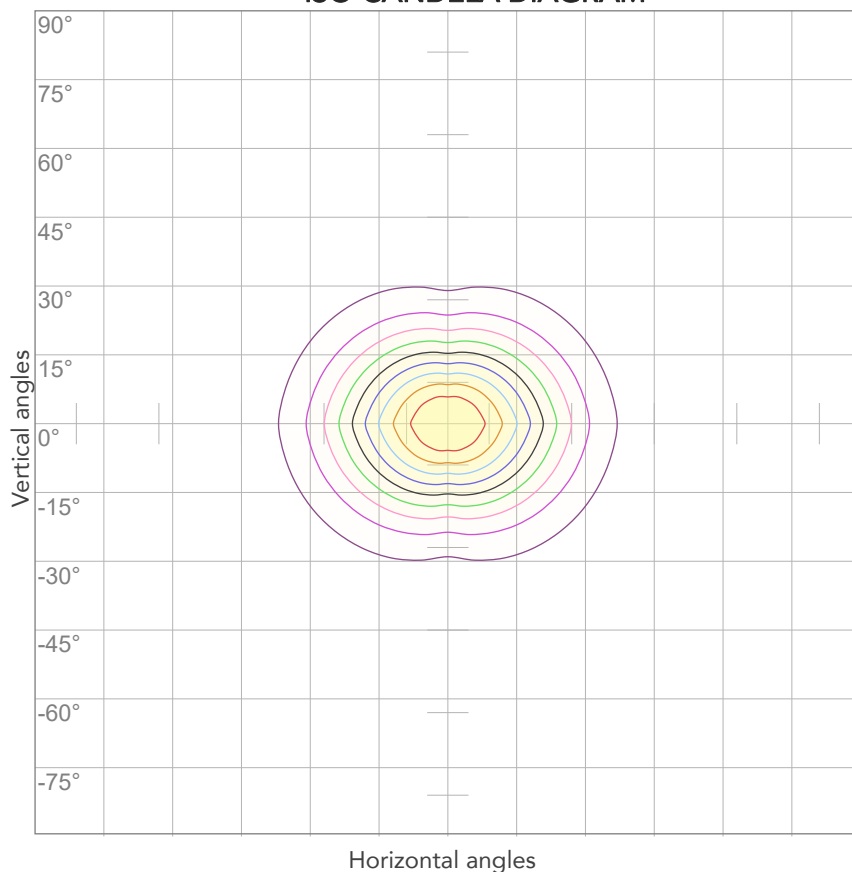


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,093A	17,0W	0,8	39lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



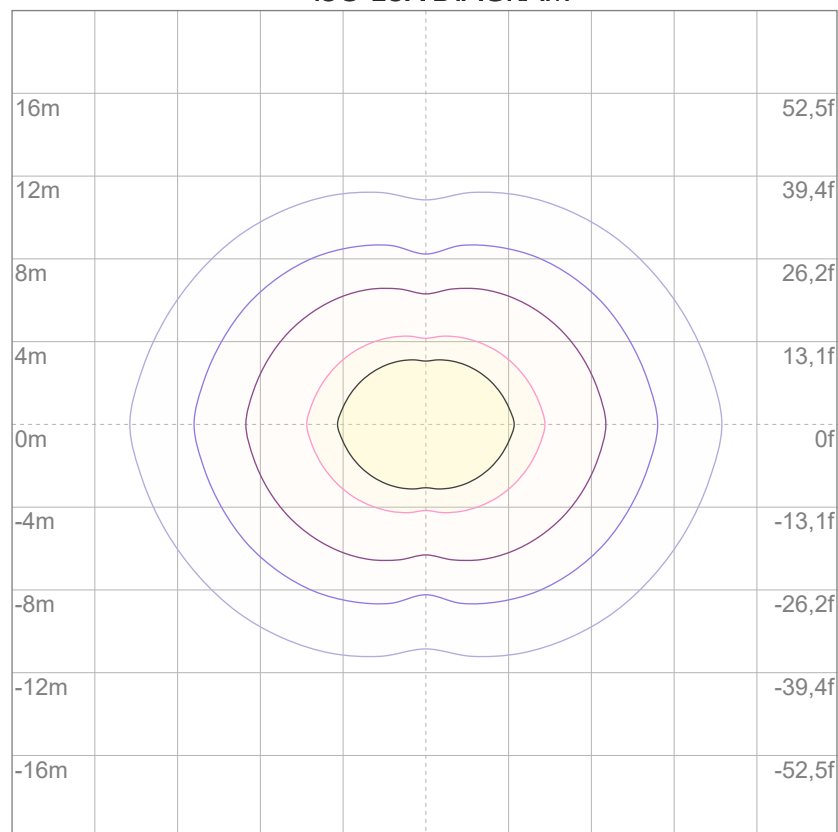
10%	112 cd
20%	224 cd
30%	336 cd
40%	448 cd
50%	560 cd
60%	672 cd
70%	784 cd
80%	896 cd

Conditions:

Number of c-planes: 4

Candela at center: 1121 cd

ISO LUX DIAGRAM



3%	0,336 lx
5%	0,560 lx
10%	1,12 lx
30%	3,36 lx
50%	5,60 lx

Conditions:

Number of c-planes: 4

Lux at center: 11,2 lx

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



Total lumen output:

503 lm

Peak candela output:

10040 cd

Light quality:

CRI: 96,7

Color temperature:

2669 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

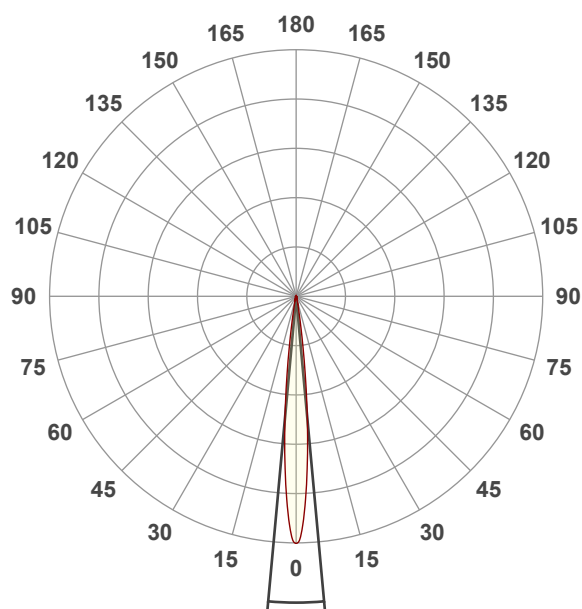
Warm White

Operator:

Salvatore Giglio

Date and time:

29/02/2024 11:26:07

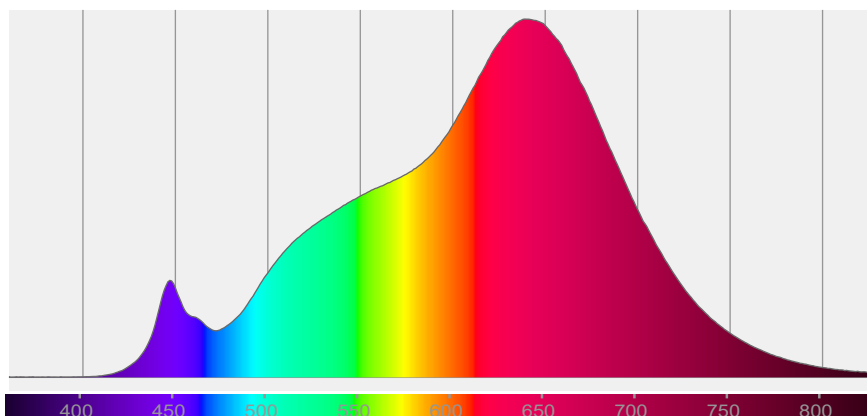


Beam angle 50%: 10,5°

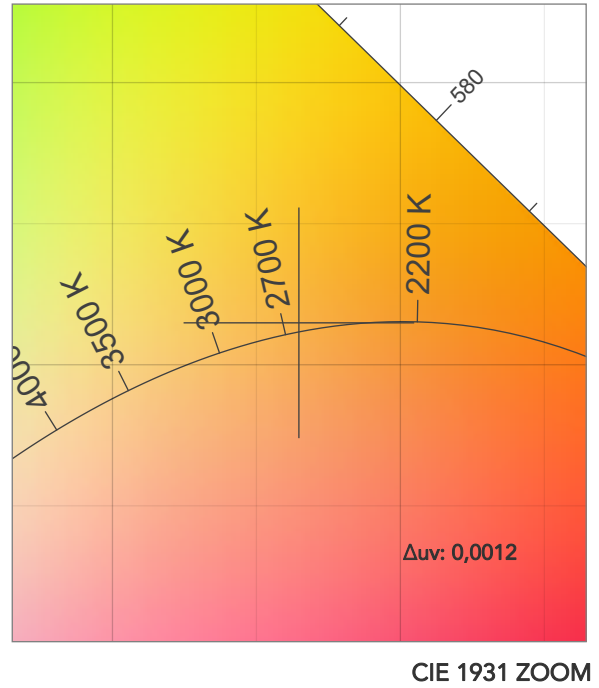
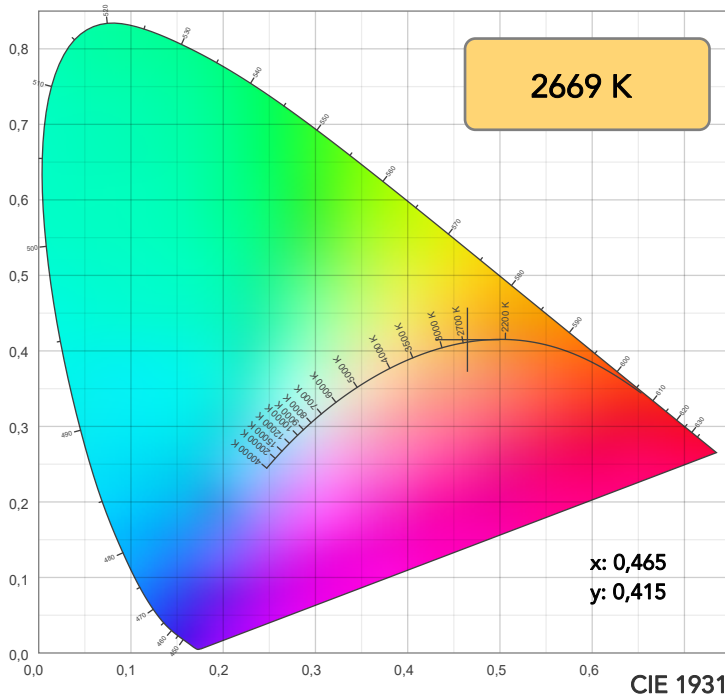
Field angle 10%: 18,6°

Cut off angle 2.5%: 26,7°

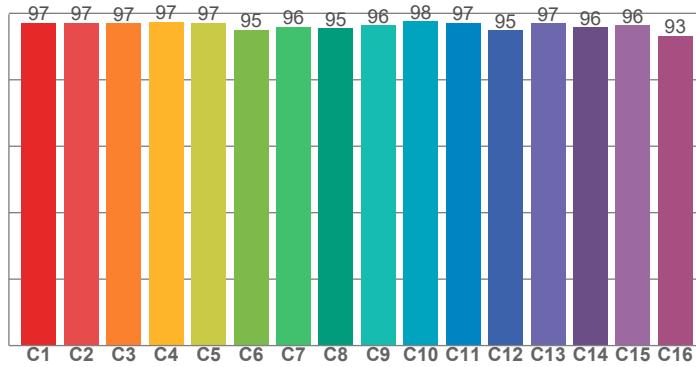
Spectra



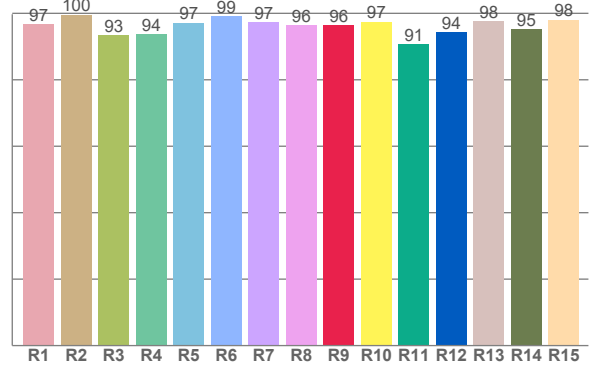
COLOR DETAILS



TM30: 96,5



CRI: 96,7 (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
96,8	99,6	93,4	93,8	97,1	99,2	97,3	96,5	96,5	97,4	90,7	94,3	97,6	95,2	98,0

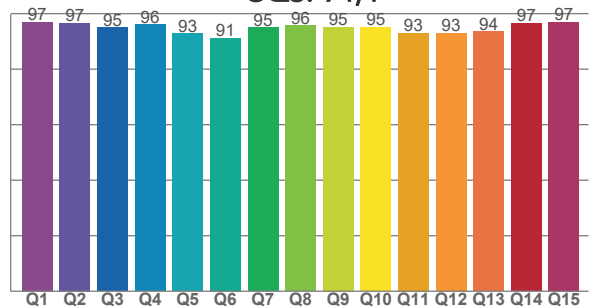
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 94,4



COLOR PARAMETERS

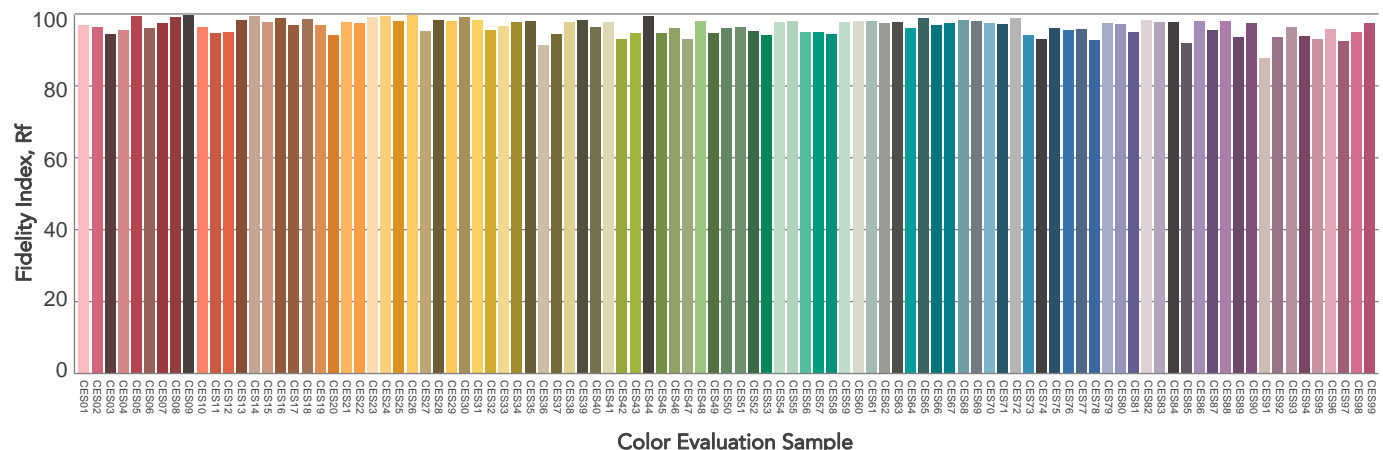
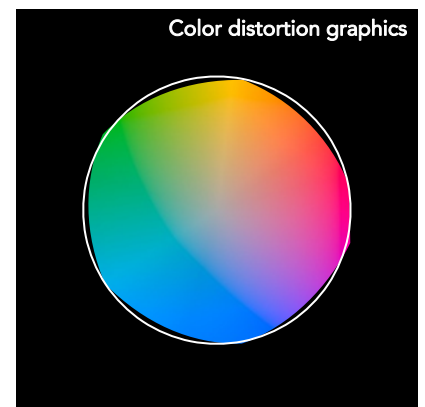
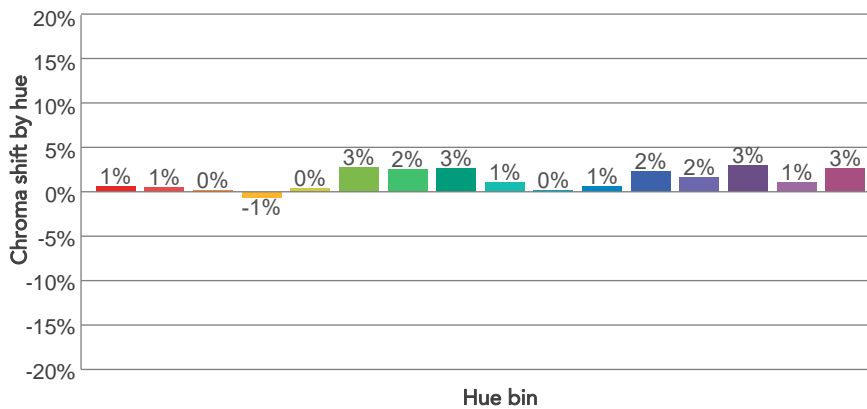
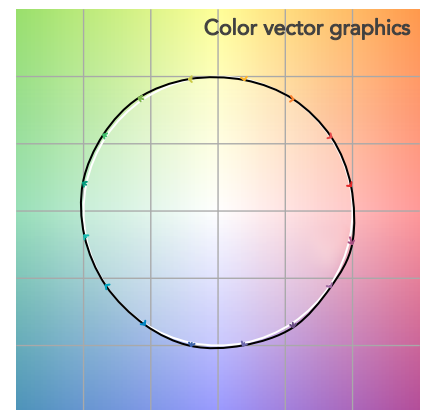
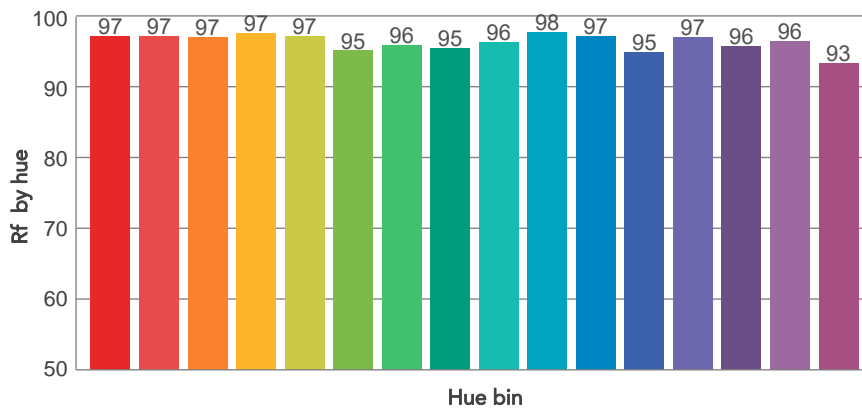
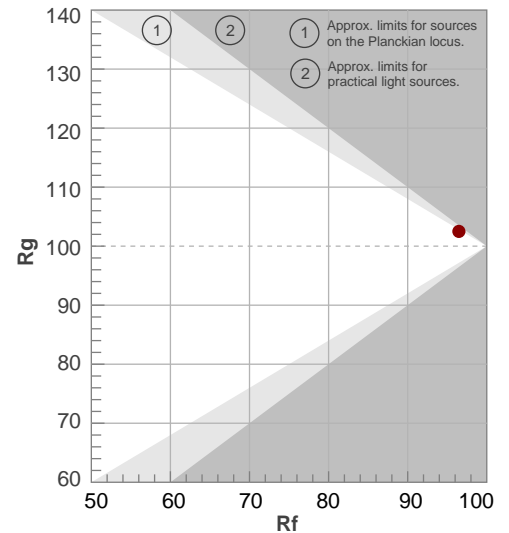
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2669 K	96,7	96,5	96,5	102,5	94,4	98	0,465	0,415	0,0012

TM30 DETAILS

Rf 96,5
Fidelity index Rf

Rg 102,5
Gammut index

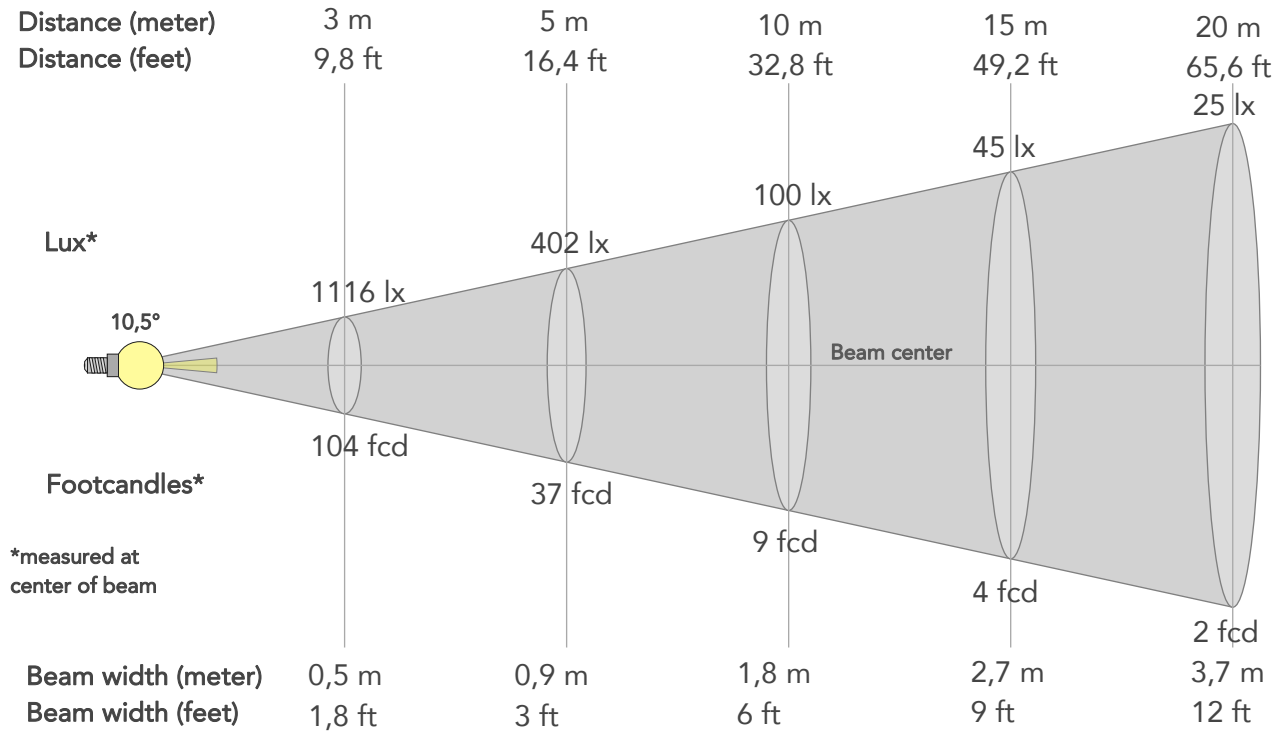
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	0%	0%
4	97	-1%	0%
5	97	0%	2%
6	95	3%	2%
7	96	2%	0%
8	95	3%	-1%
9	96	1%	-2%
10	98	0%	-1%
11	97	1%	2%
12	95	2%	0%
13	97	2%	-1%
14	96	3%	-1%
15	96	1%	-1%
16	93	3%	-5%



BEAM DETAILS



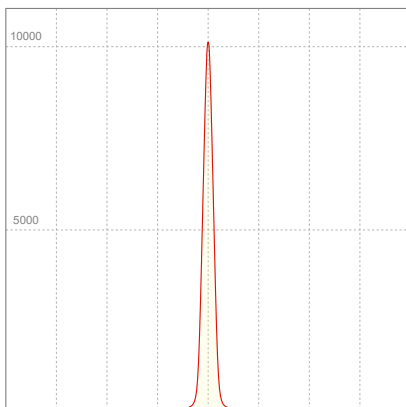
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,5°	18,6°	26,7°	96,6%	93,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	10040lx	2510lx	1116lx	628lx	402lx	178lx	100lx	45lx	25lx	16lx	11lx	6lx	4lx
Footcand.	933fcd	233fcd	104fcd	58fcd	37fcd	17fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,4m	1,8m	2,7m	3,7m	4,6m	5,5m	7,3m	9,2m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	6ft	9ft	12ft	15ft	18ft	24ft	30,1ft

LINEAR DISTRIBUTION DIAGRAM

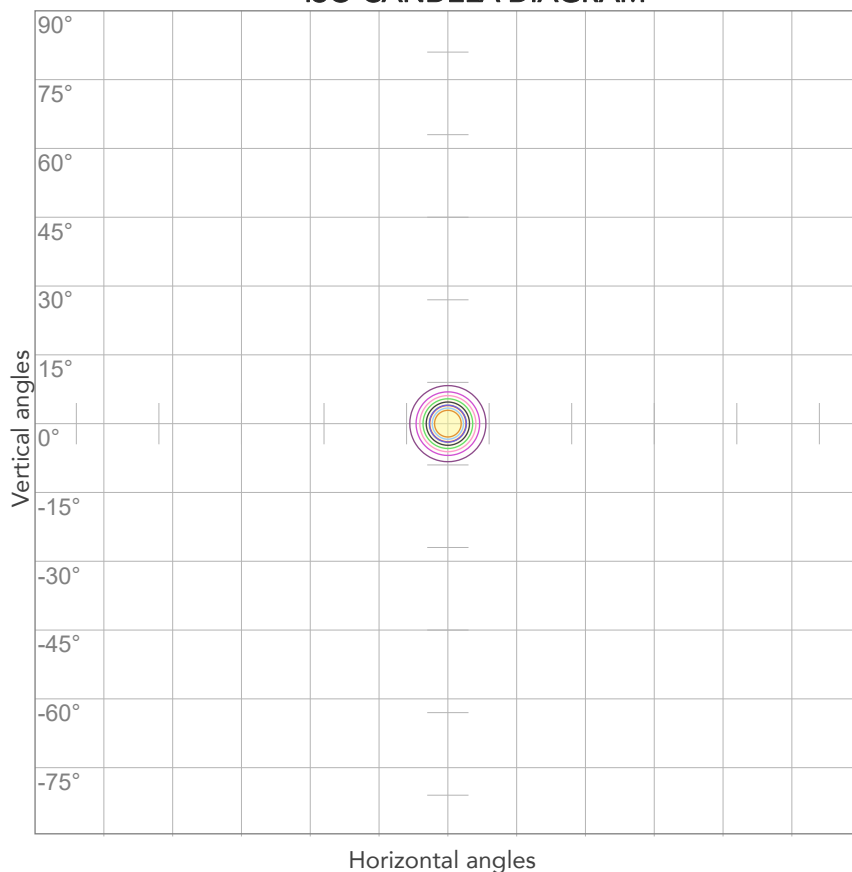


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,082A	13,4W	0,72	37lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



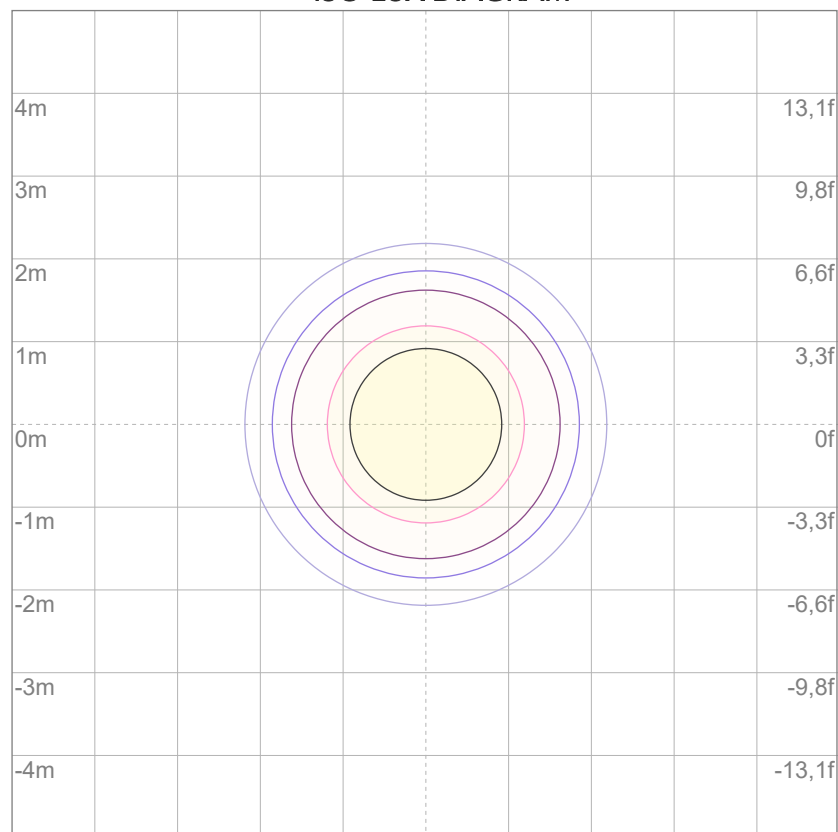
10%	1004 cd
20%	2008 cd
30%	3012 cd
40%	4016 cd
50%	5020 cd
60%	6024 cd
70%	7028 cd
80%	8032 cd

Conditions:

Number of c-planes: 2

Candela at center: 10040 cd

ISO LUX DIAGRAM



3%	3,01 lx
5%	5,02 lx
10%	10,0 lx
30%	30,1 lx
50%	50,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 100 lx

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



Total lumen output:

454 lm

Peak candela output:

1884 cd

Light quality:

CRI: 96,7

Color temperature:

2648 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

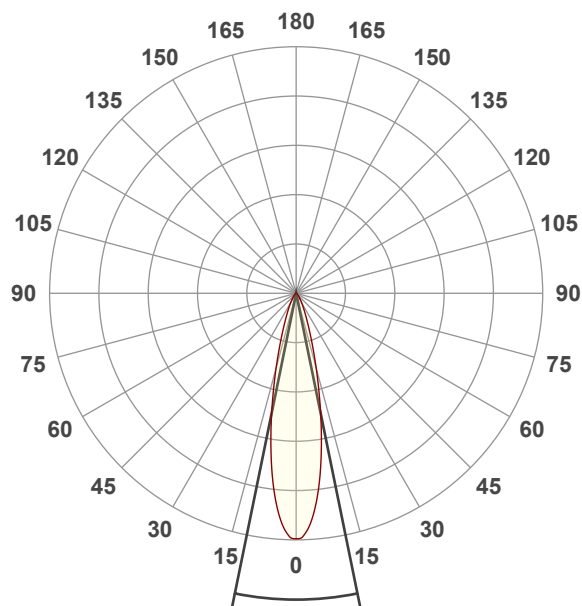
Warm White

Operator:

Salvatore Giglio

Date and time:

29/02/2024 12:16:31

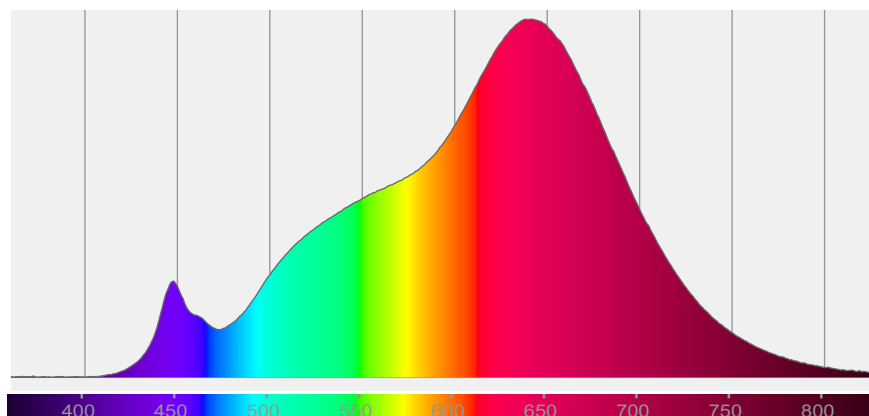


Beam angle 50%: 23,1°

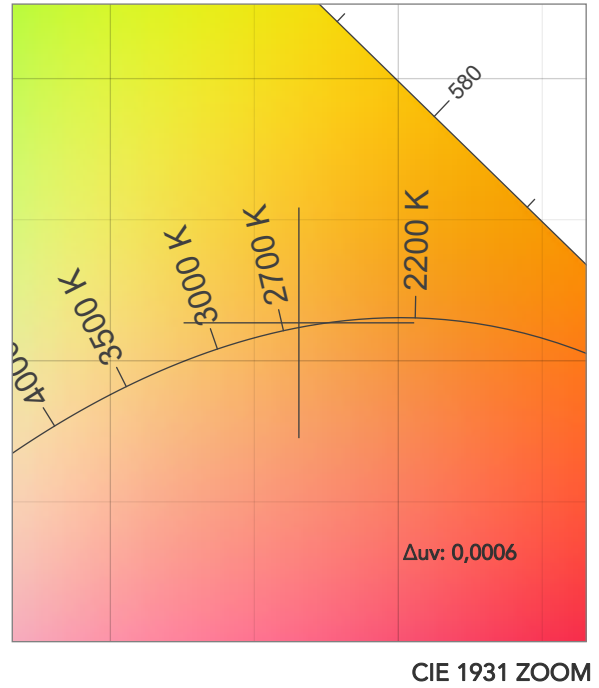
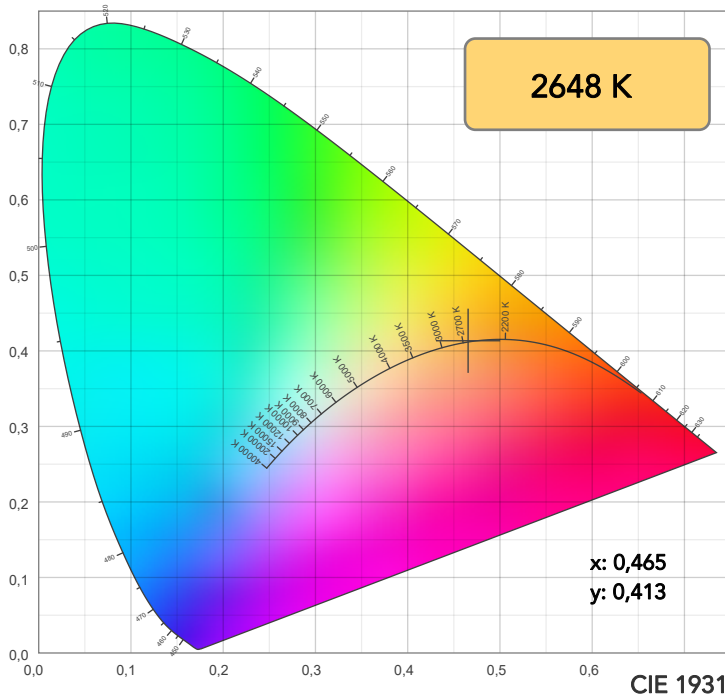
Field angle 10%: 46,3°

Cut off angle 2.5%: 71,8°

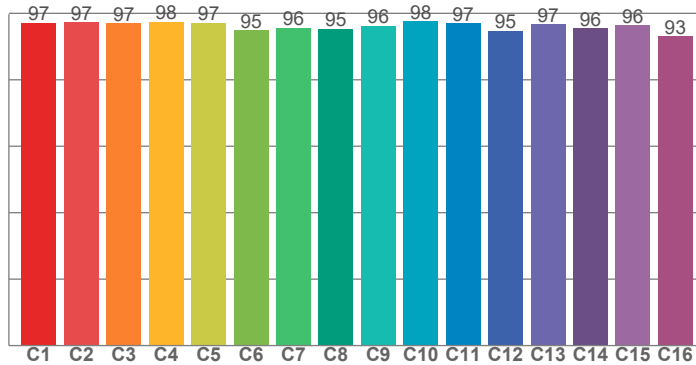
Spectra



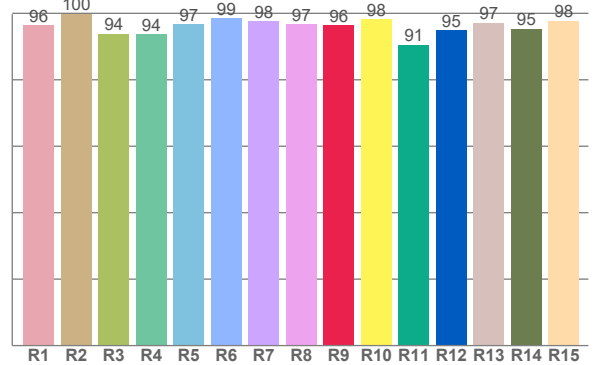
COLOR DETAILS



TM30: 96,4



CRI: 96,7 (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
96,5	99,9	93,9	93,7	96,8	98,6	97,7	96,7	96,5	98,3	90,5	94,9	97,2	95,4	97,8

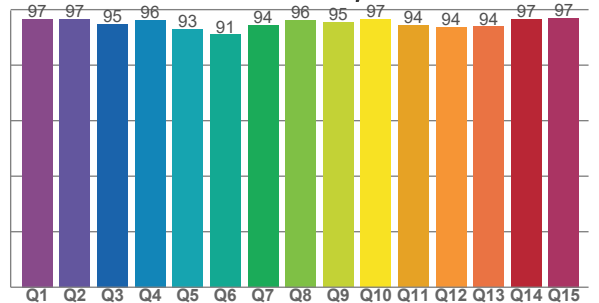
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,7	96,5	94,8	96,2	93,0	90,9	94,4	96,2	95,5	96,6	94,3	93,7	93,9	96,5	96,9

CQS: 94,6



COLOR PARAMETERS

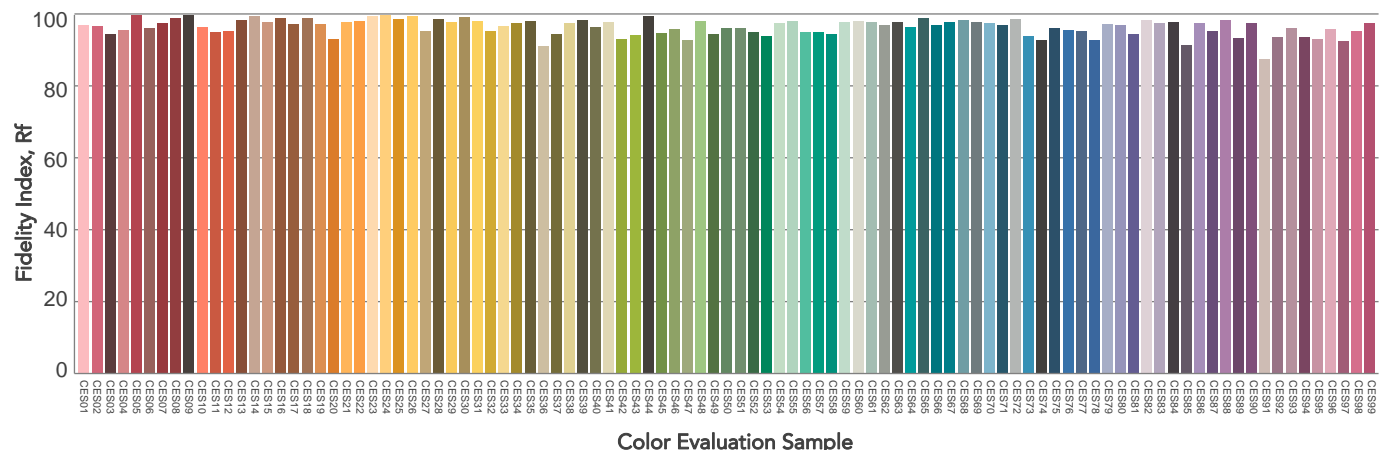
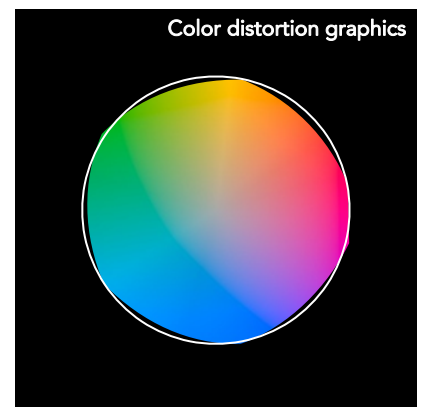
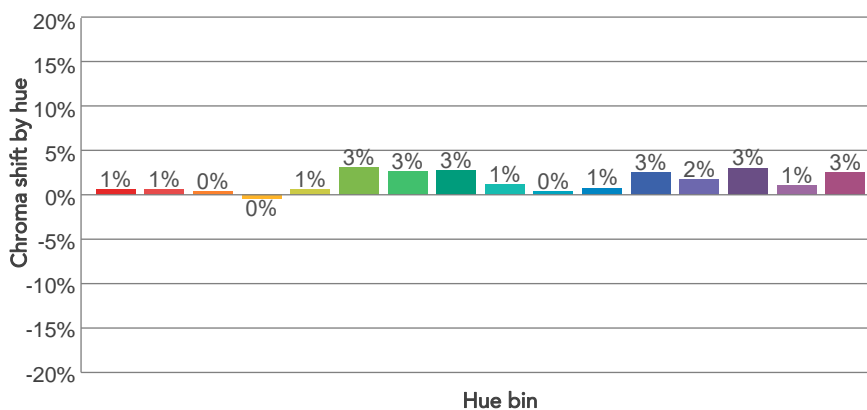
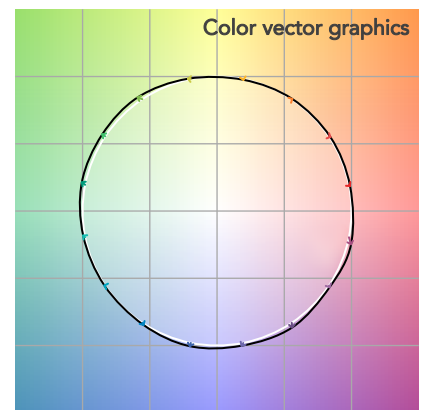
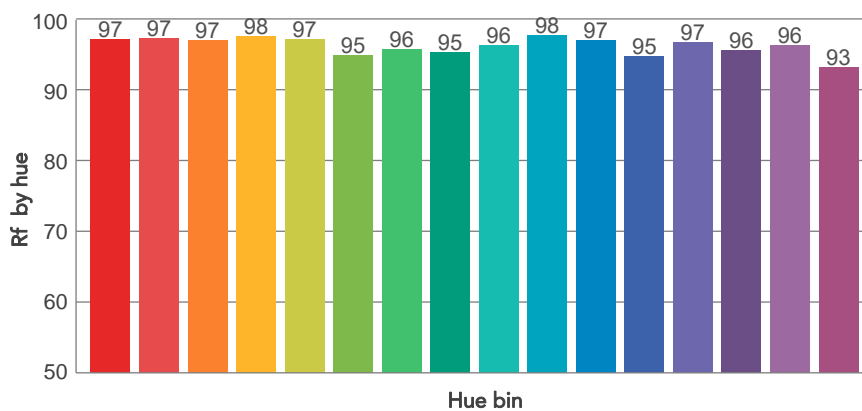
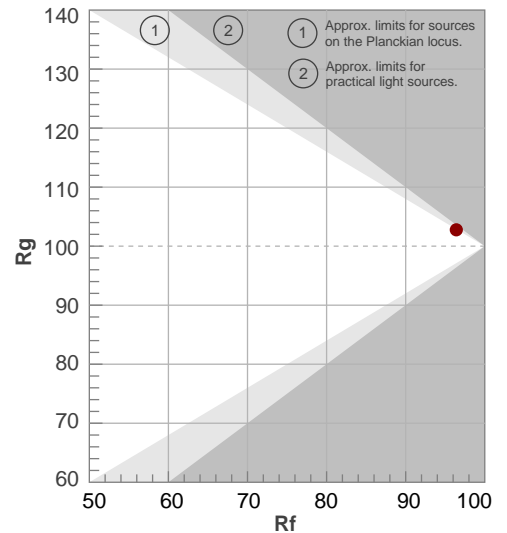
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2648 K	96,7	96,5	96,4	102,8	94,6	98	0,465	0,413	0,0006

TM30 DETAILS

Rf 96,4
Fidelity index Rf

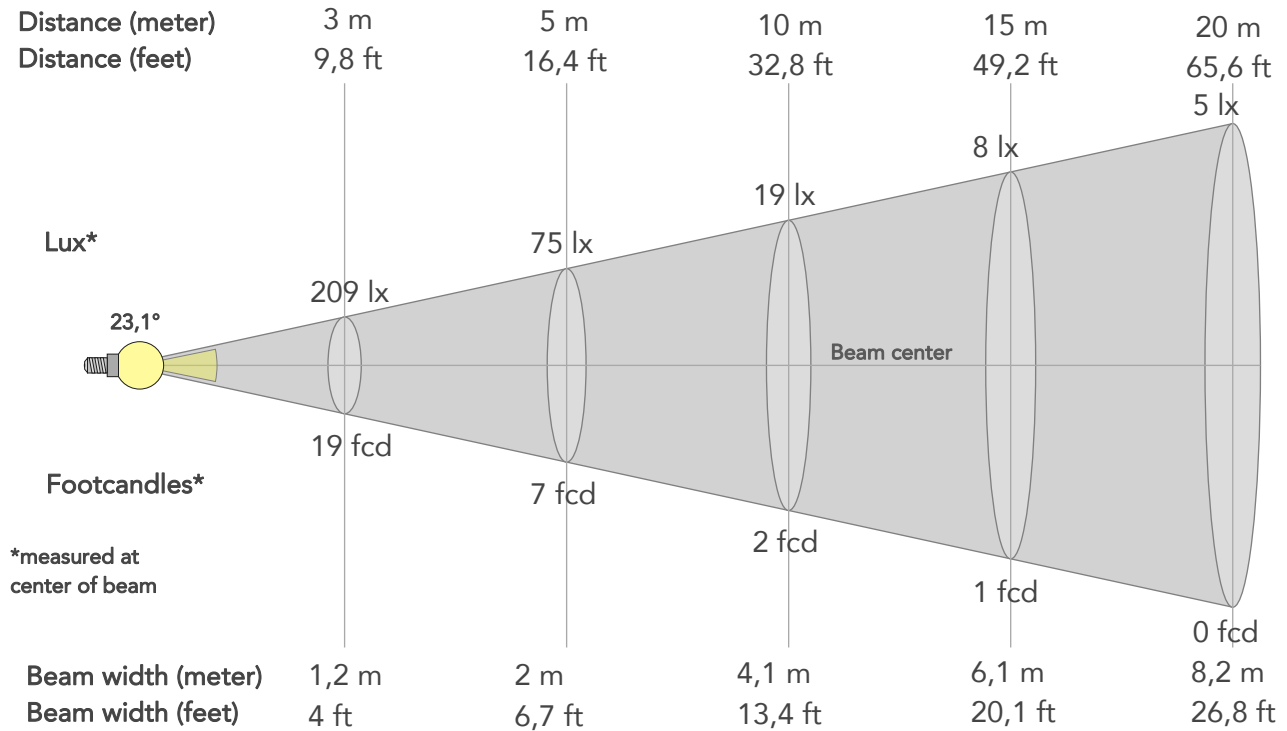
Rg 102,8
Gammut index

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



BEAM DETAILS

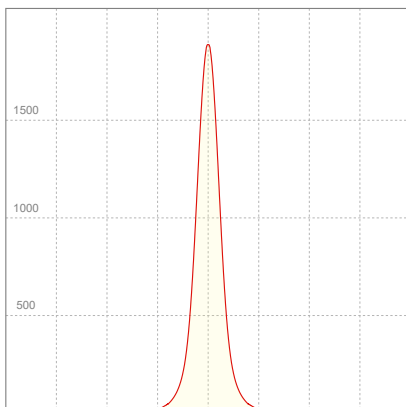
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,1°	46,3°	71,8°	96,9%	93,0%



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	1884lx	471lx	209lx	118lx	75lx	33lx	19lx	8lx	5lx	3lx	2lx	1lx	1lx
Footcand.	175fcd	44fcd	19fcd	11fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3,1m	4,1m	6,1m	8,2m	10,2m	12,3m	16,3m	20,4m
Beam wid.	1,3ft	2,7ft	4ft	5,4ft	6,7ft	10ft	13,4ft	20,1ft	26,8ft	33,5ft	40,2ft	53,6ft	67ft

LINEAR DISTRIBUTION DIAGRAM

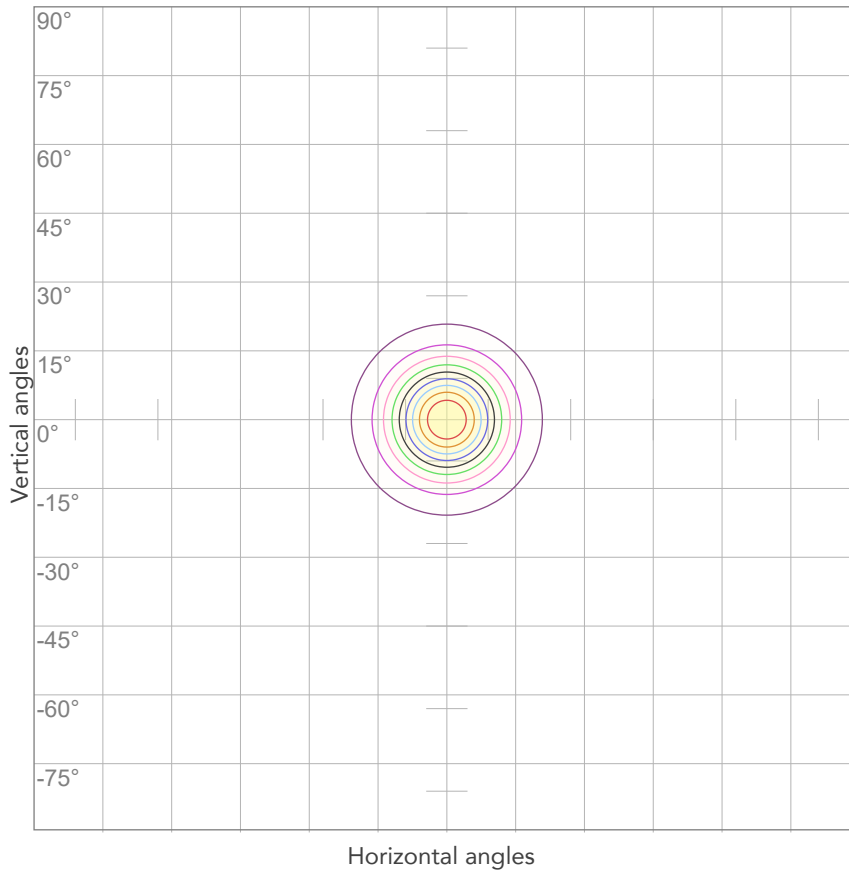


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,081A	13,3W	0,72	34lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



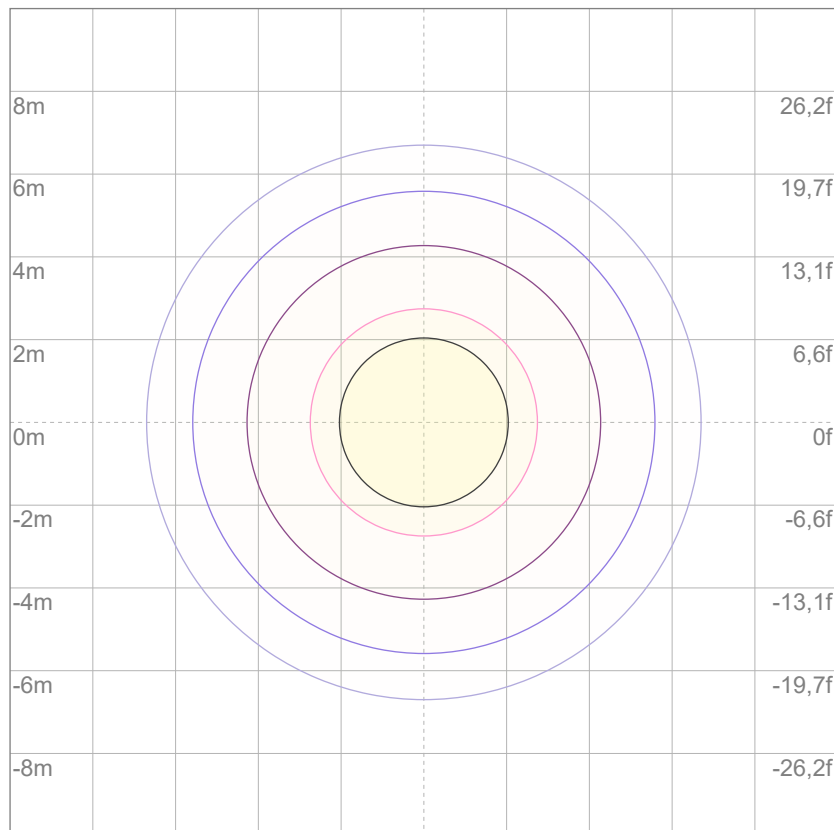
10%	188 cd
20%	377 cd
30%	565 cd
40%	754 cd
50%	942 cd
60%	1131 cd
70%	1319 cd
80%	1507 cd

Conditions:

Number of c-planes: 2

Candela at center: 1884 cd

ISO LUX DIAGRAM



3%	0,565 lx
5%	0,942 lx
10%	1,88 lx
30%	5,65 lx
50%	9,42 lx

Conditions:

Number of c-planes: 2

Lux at center: 18,8 lx

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



Total lumen output:

431 lm

Peak candela output:

551 cd

Light quality:

CRI: 96,7

Color temperature:

2652 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

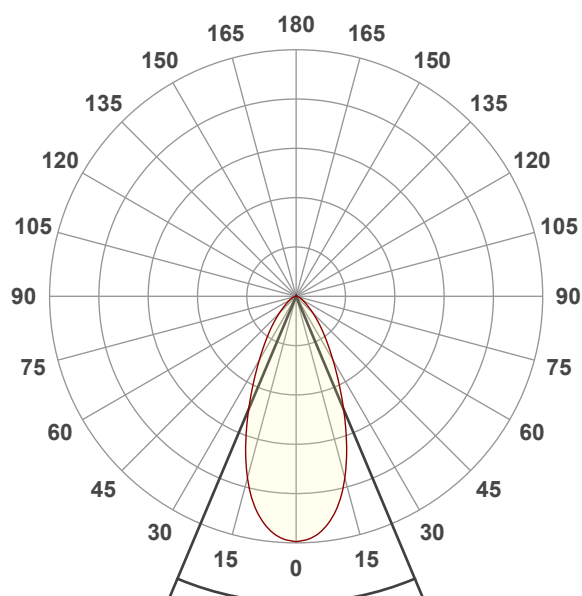
Warm White

Operator:

Salvatore Giglio

Date and time:

29/02/2024 12:24:40

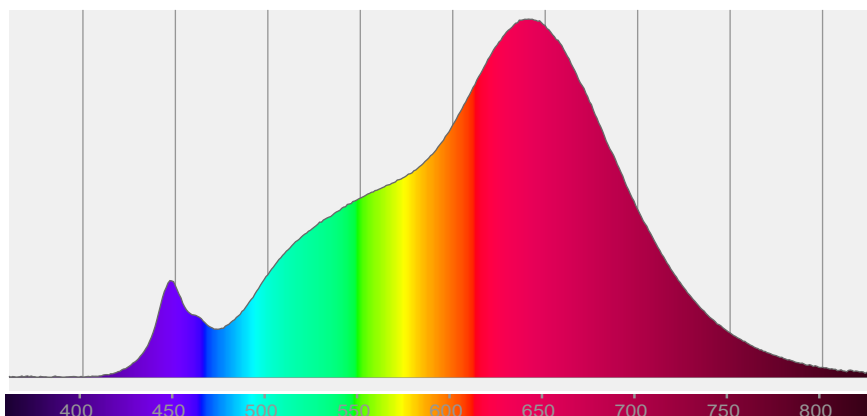


Beam angle 50%: 45,6°

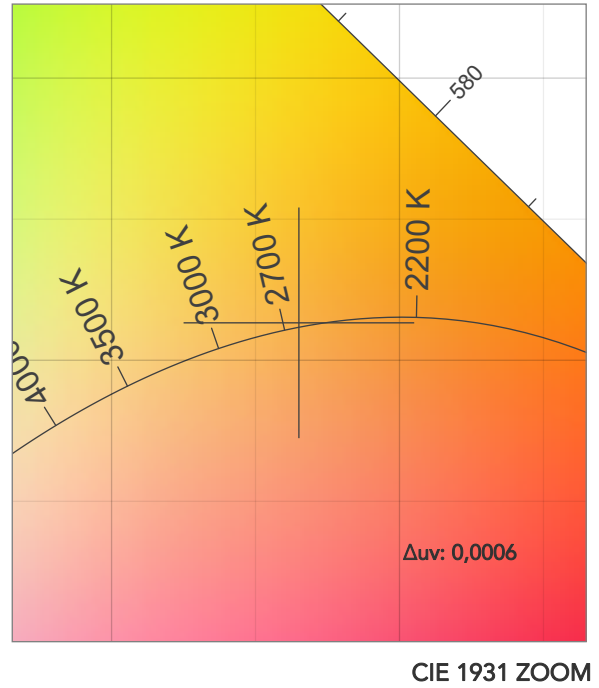
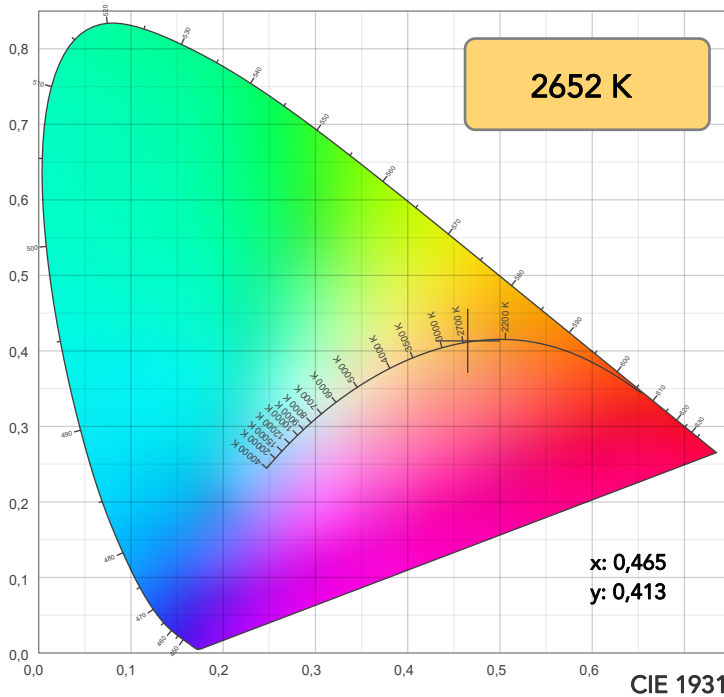
Field angle 10%: 89,4°

Cut off angle 2.5%: 125°

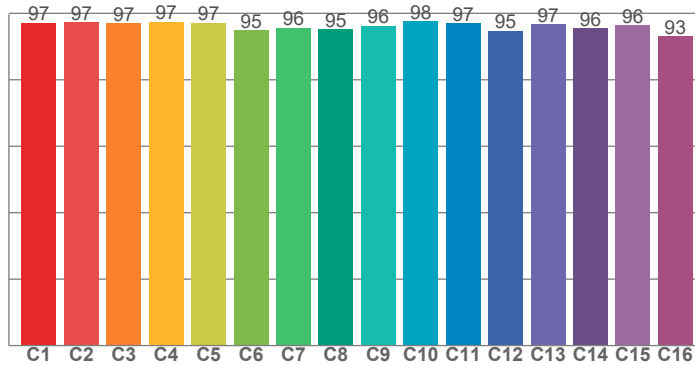
Spectra



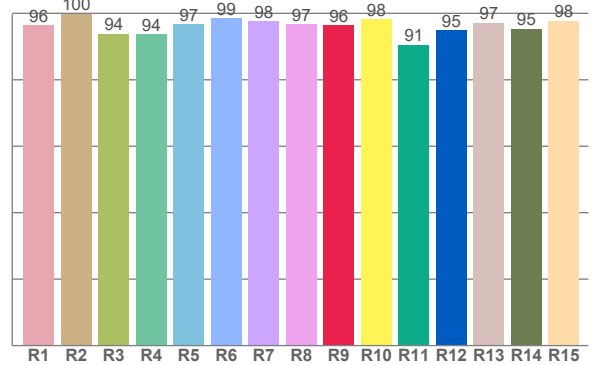
COLOR DETAILS



TM30: 96,4



CRI: 96,7 (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
96,5	99,8	93,8	93,7	96,8	98,6	97,7	96,7	96,4	98,3	90,5	94,9	97,2	95,4	97,7

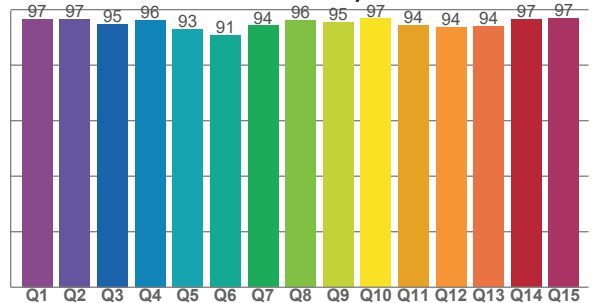
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,7	96,6	94,8	96,3	92,9	90,9	94,3	96,3	95,5	96,7	94,5	93,8	94,0	96,5	97,0

CQS: 94,6



COLOR PARAMETERS

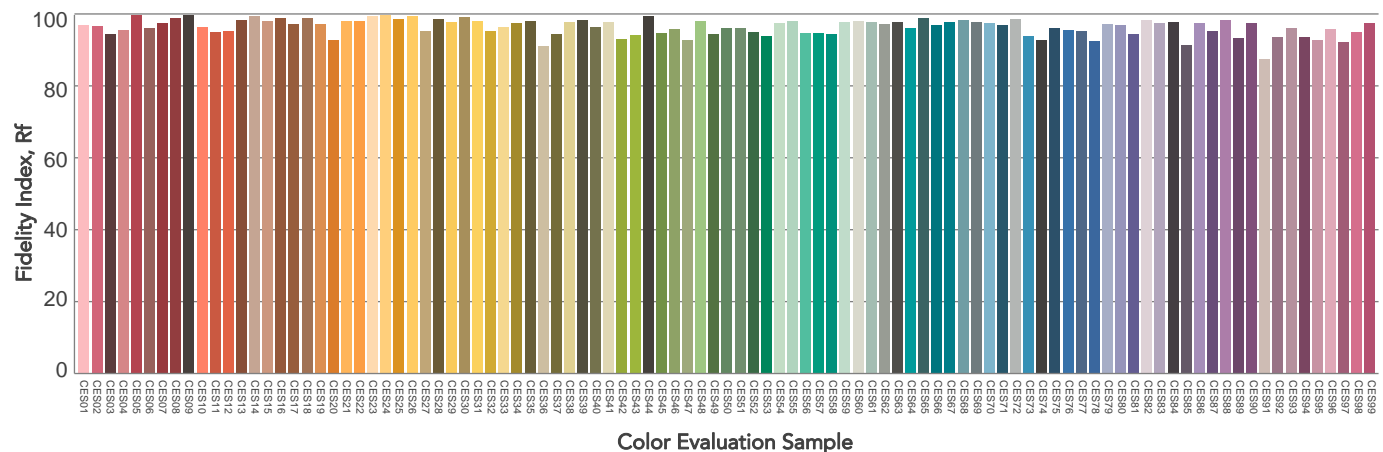
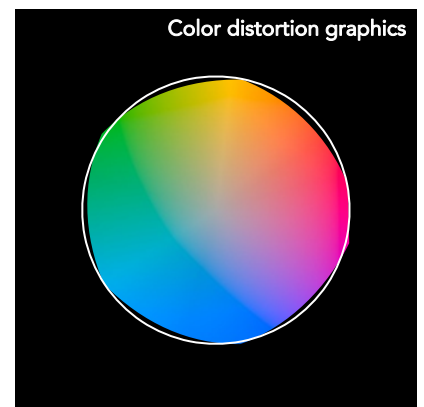
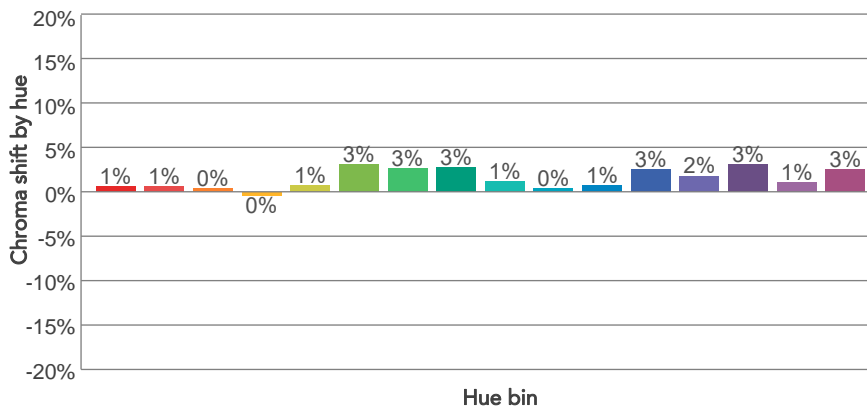
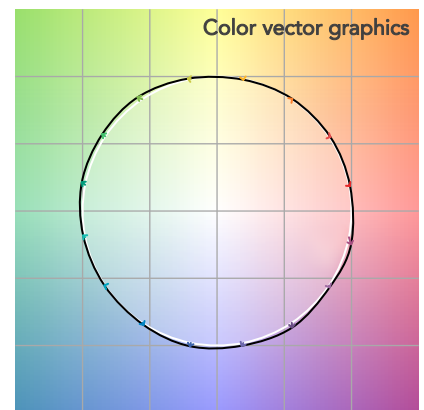
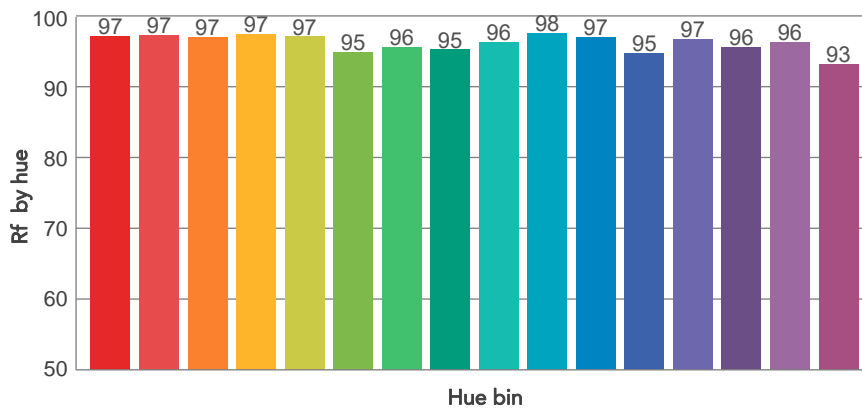
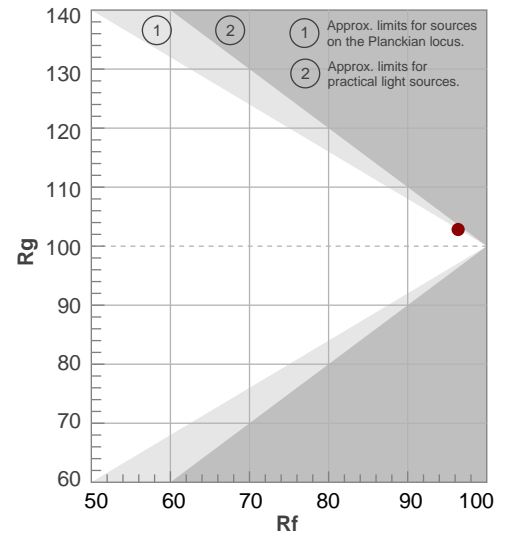
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2652 K	96,7	96,4	96,4	102,8	94,6	98	0,465	0,413	0,0006

TM30 DETAILS

Rf 96,4
Fidelity index Rf

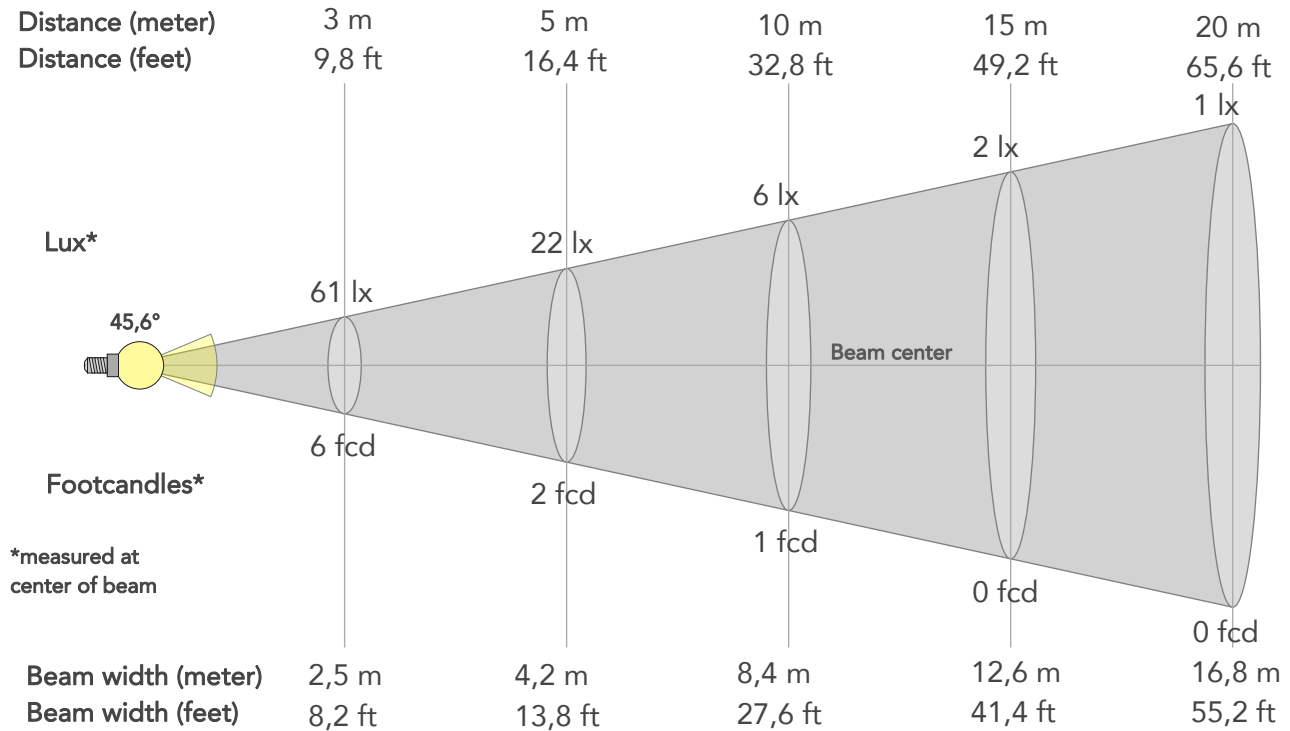
Rg 102,8
Gammut index

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



BEAM DETAILS

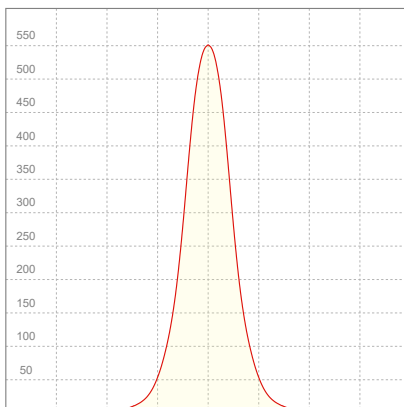
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,6°	89,4°	125°	95,4%	86,4%



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	551lx	138lx	61lx	34lx	22lx	10lx	6lx	2lx	1lx	1lx	1lx	0lx	0lx
Footcand.	51fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,4m	4,2m	6,3m	8,4m	12,6m	16,8m	21m	25,2m	33,6m	42m
Beam wid.	2,8ft	5,5ft	8,2ft	11ft	13,8ft	20,7ft	27,6ft	41,4ft	55,2ft	68,9ft	82,7ft	110,3ft	137,9ft

LINEAR DISTRIBUTION DIAGRAM

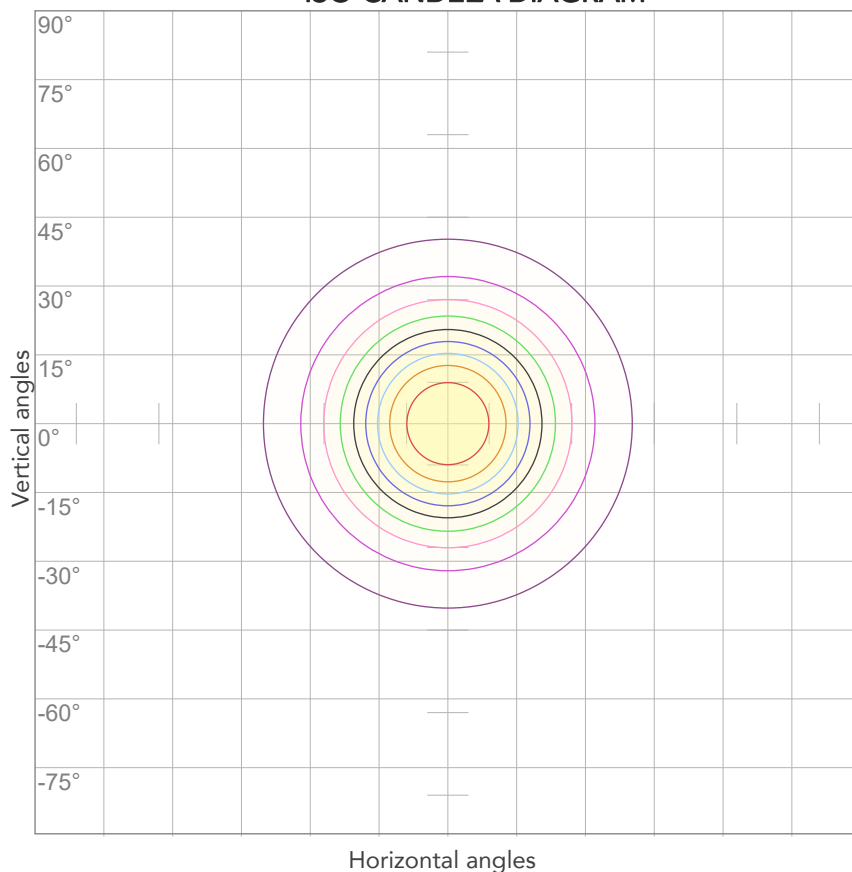


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,081A	13,3W	0,72	32lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



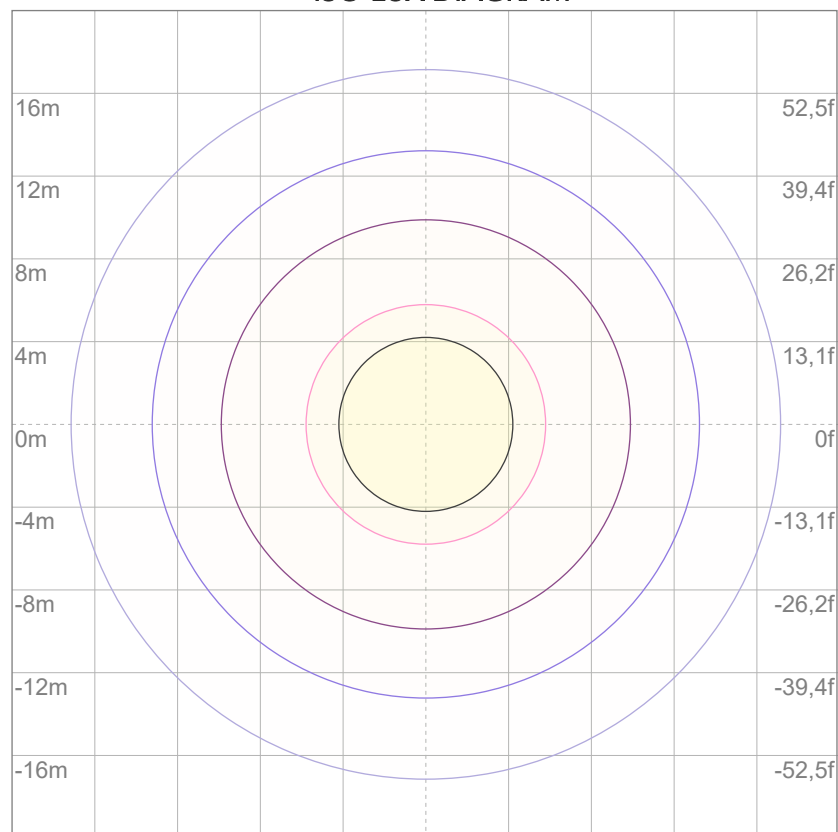
10%	55 cd
20%	110 cd
30%	165 cd
40%	220 cd
50%	275 cd
60%	330 cd
70%	385 cd
80%	441 cd

Conditions:

Number of c-planes: 2

Candela at center: 551 cd

ISO LUX DIAGRAM



3%	0,165 lx
5%	0,275 lx
10%	0,551 lx
30%	1,65 lx
50%	2,75 lx

Conditions:

Number of c-planes: 2

Lux at center: 5,51 lx

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



Total lumen output:

445 lm

Peak candela output:

394 cd

Light quality:

CRI: 96,7

Color temperature:

2647 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

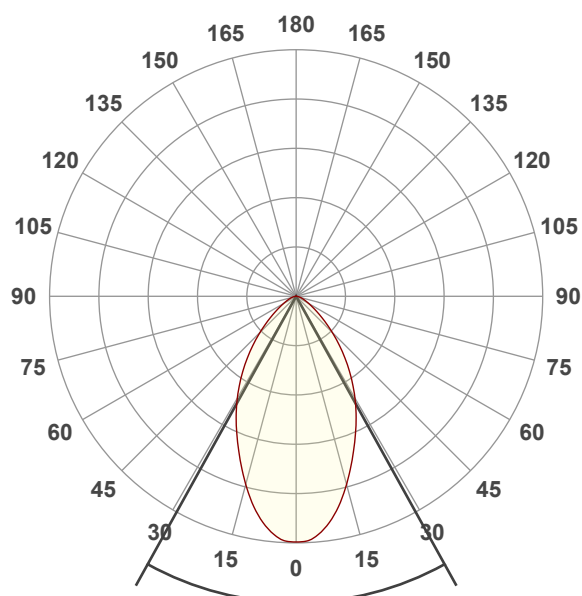
Warm White

Operator:

Salvatore Giglio

Date and time:

29/02/2024 12:57:29

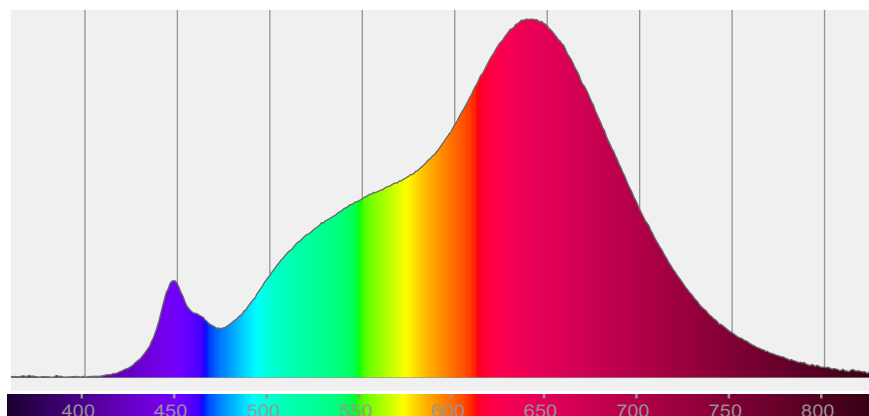


Beam angle 50%: 58°

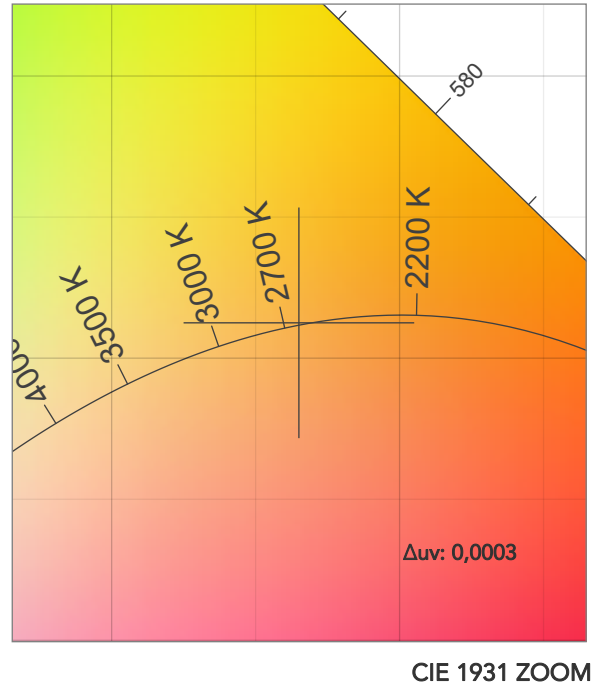
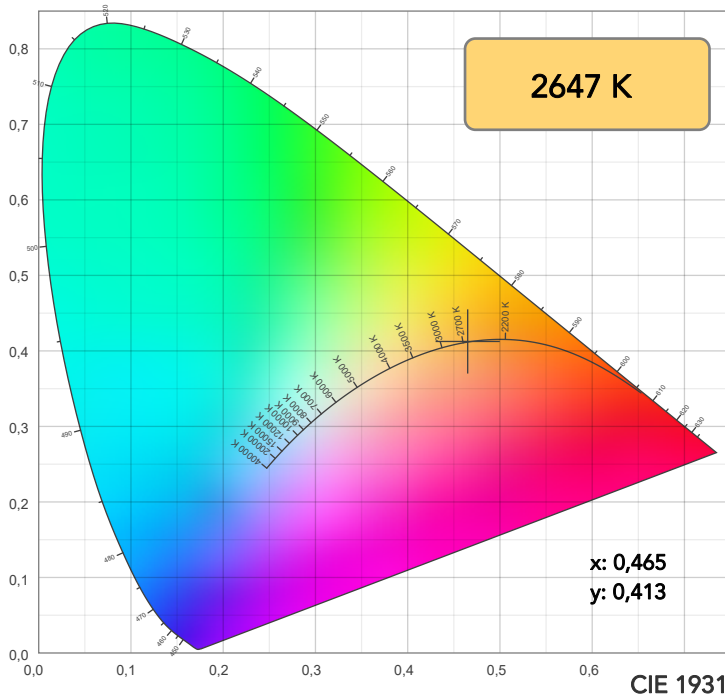
Field angle 10%: 108,2°

Cut off angle 2.5%: 142°

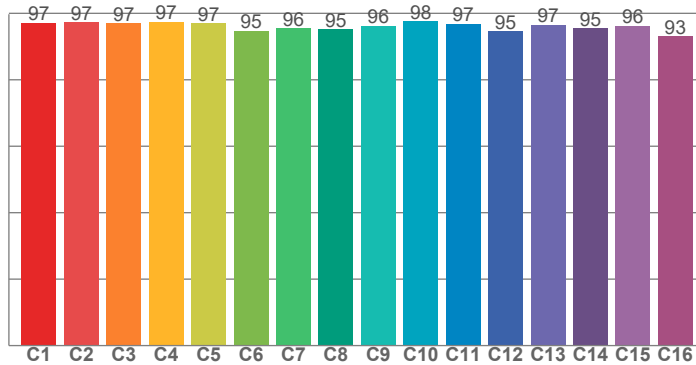
Spectra



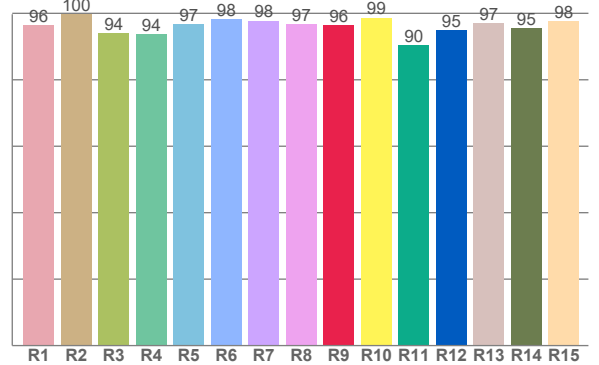
COLOR DETAILS



TM30: 96,3



CRI: 96,7 (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	99,7	94,0	93,7	96,6	98,3	97,8	96,8	96,4	98,6	90,5	94,9	97,0	95,5	97,6

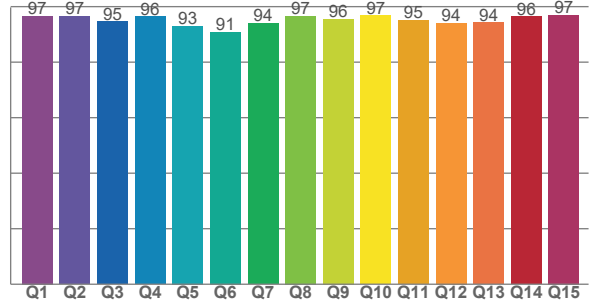
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 94,6



COLOR PARAMETERS

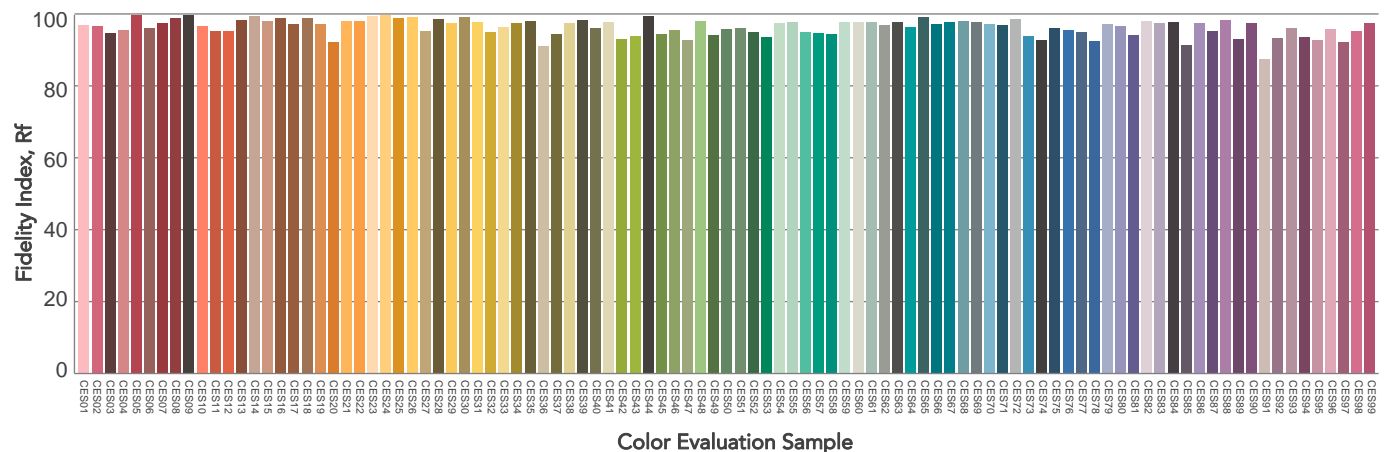
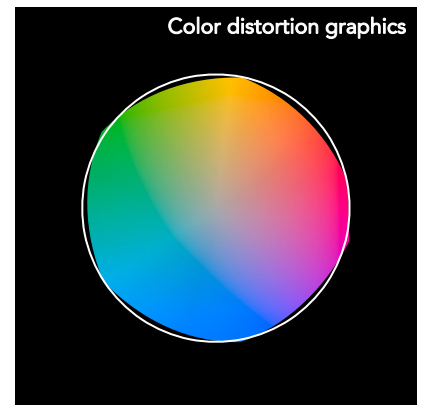
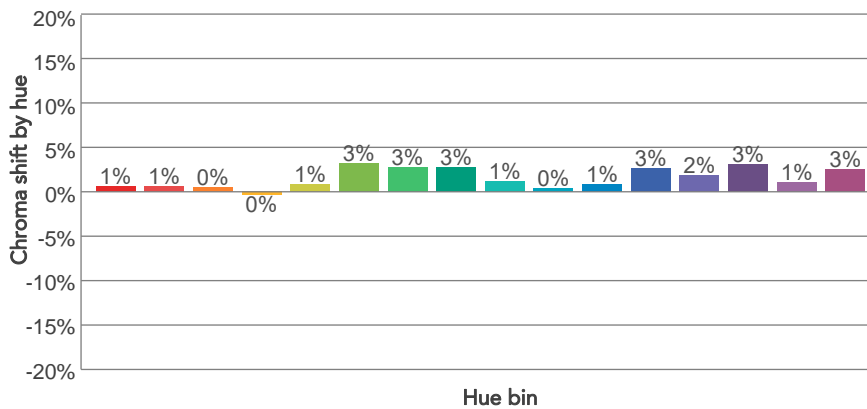
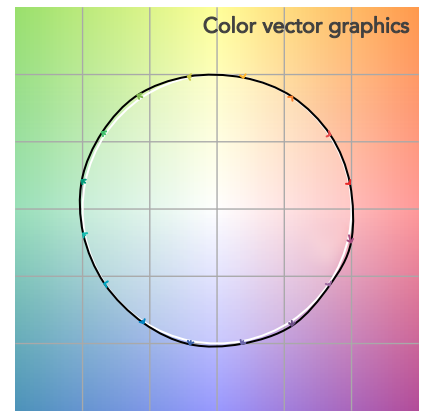
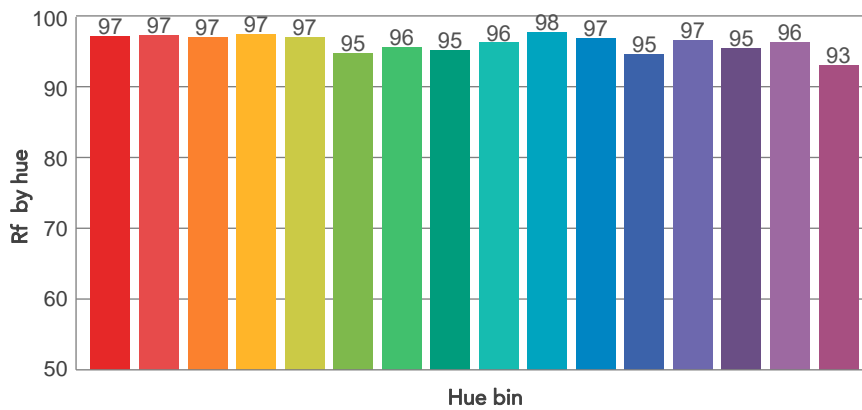
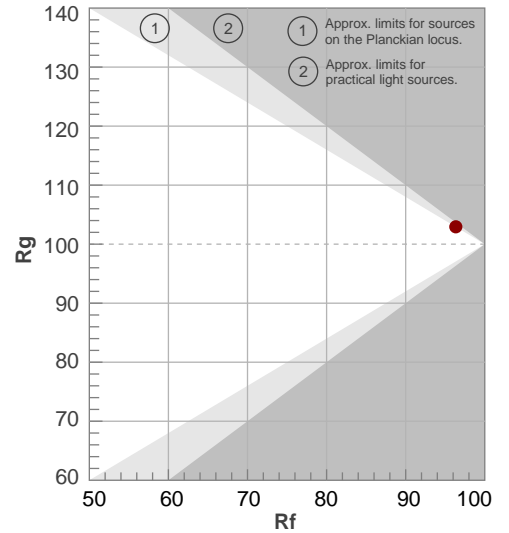
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2647 K	96,7	96,4	96,3	102,9	94,6	98	0,465	0,413	0,0003

TM30 DETAILS

Rf 96,3
Fidelity index Rf

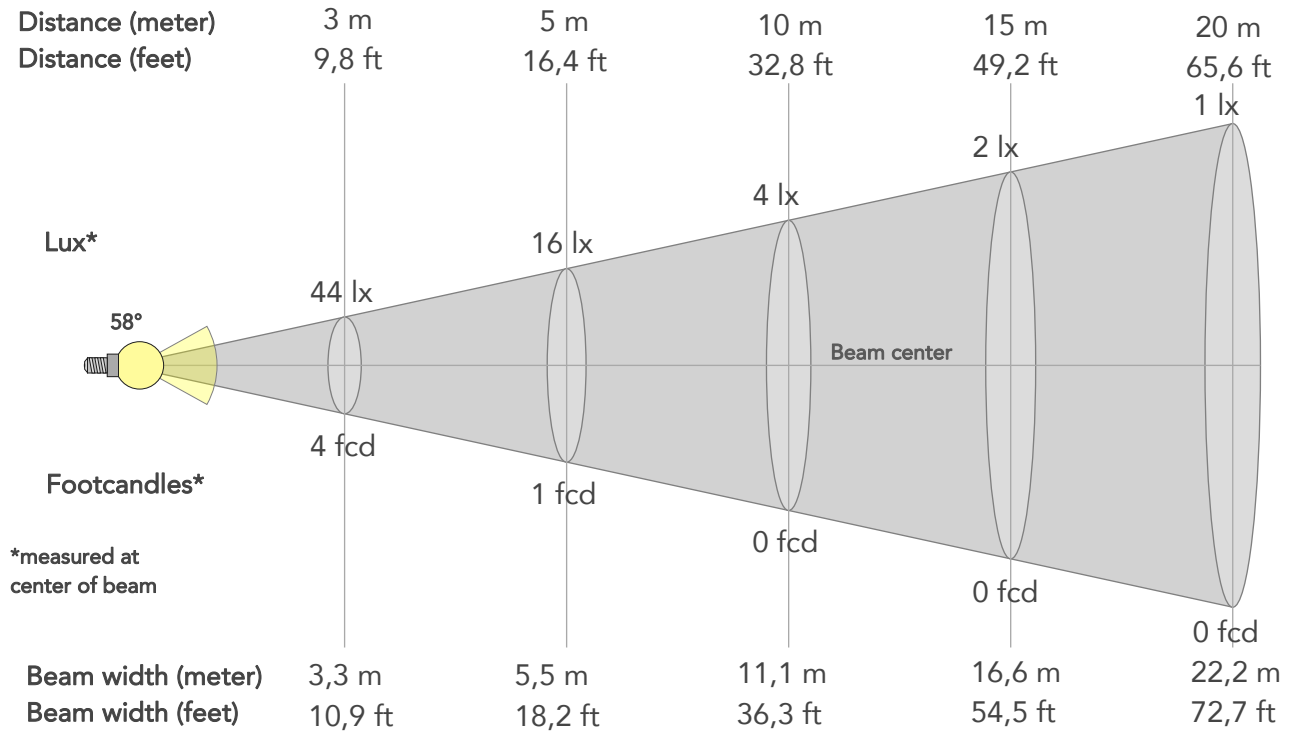
Rg 102,9
Gammut index

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



BEAM DETAILS

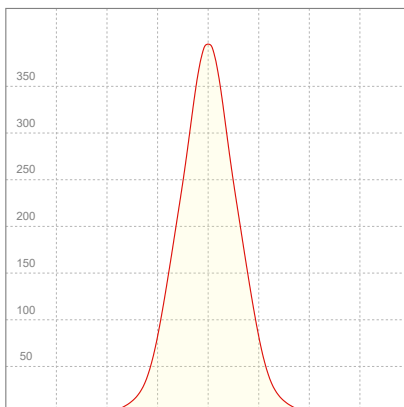
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58°	108,2°	142°	94,2%	80,5%



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	394lx	99lx	44lx	25lx	16lx	7lx	4lx	2lx	1lx	1lx	0lx	0lx	0lx
Footcand.	37fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	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	33,2m	44,3m	55,4m
Beam wid.	3,7ft	7,3ft	10,9ft	14,5ft	18,2ft	27,3ft	36,3ft	54,5ft	72,7ft	90,9ft	109ft	145,4ft	181,7ft

LINEAR DISTRIBUTION DIAGRAM

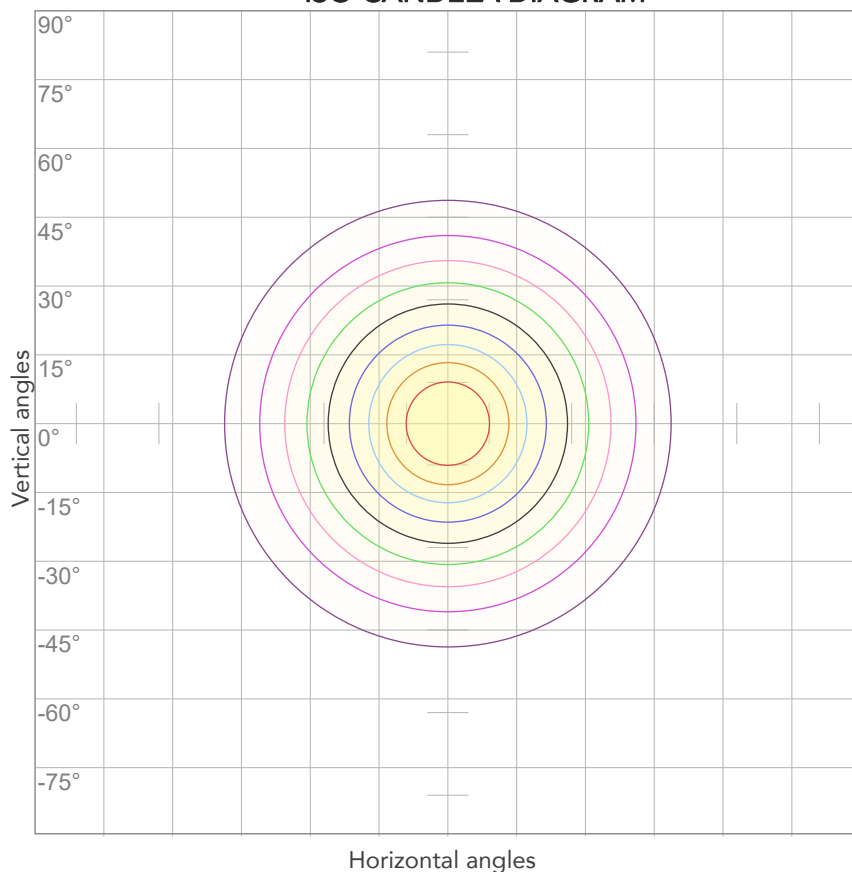


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,081A	13,2W	0,72	34lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



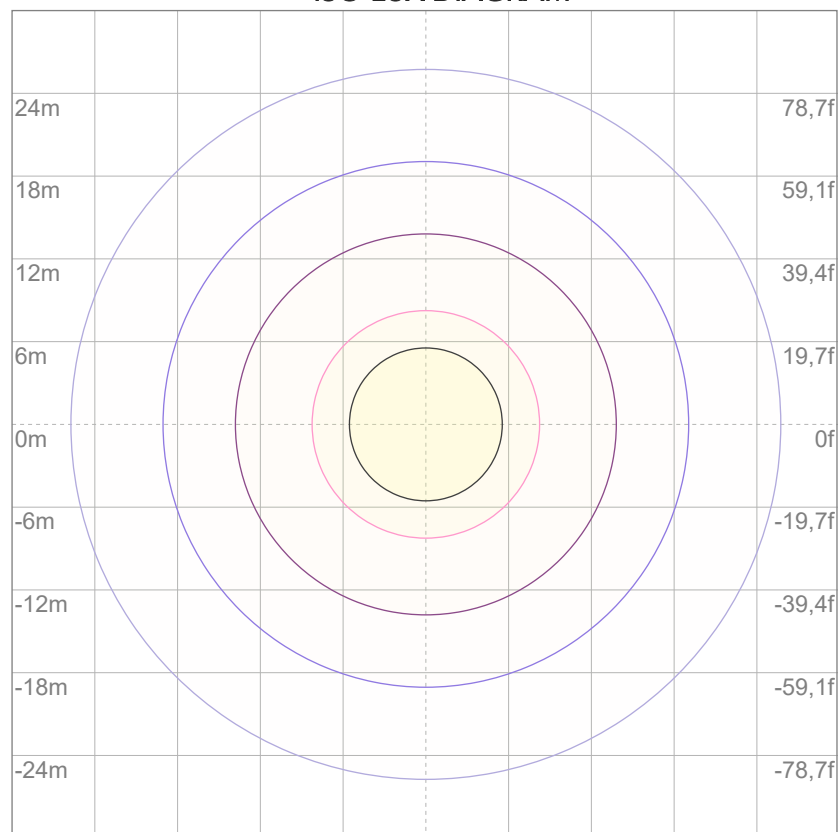
10%	39 cd
20%	79 cd
30%	118 cd
40%	158 cd
50%	197 cd
60%	236 cd
70%	276 cd
80%	315 cd

Conditions:

Number of c-planes: 2

Candela at center: 394 cd

ISO LUX DIAGRAM



3%	0,118 lx
5%	0,197 lx
10%	0,394 lx
30%	1,18 lx
50%	1,97 lx

Conditions:

Number of c-planes: 2

Lux at center: 3,94 lx

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



Total lumen output:

669 lm

Peak candela output:

1397 cd

Light quality:

CRI: 96,7

Color temperature:

2633 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

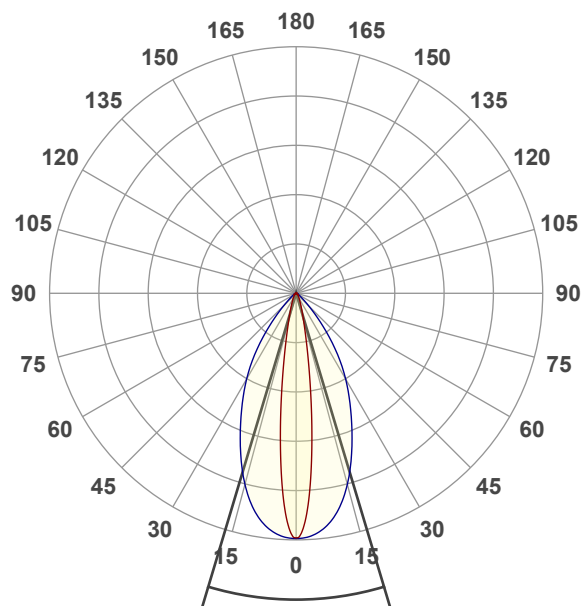
Warm White

Operator:

Salvatore Giglio

Date and time:

29/02/2024 13:39:29

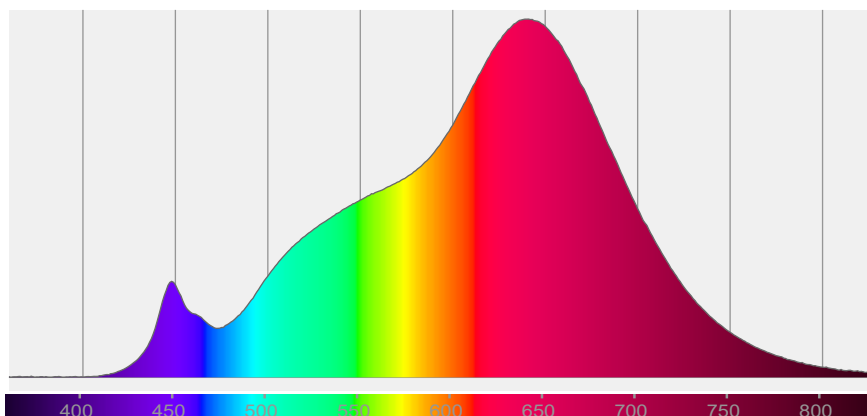


Beam angle 50%: 33,3°

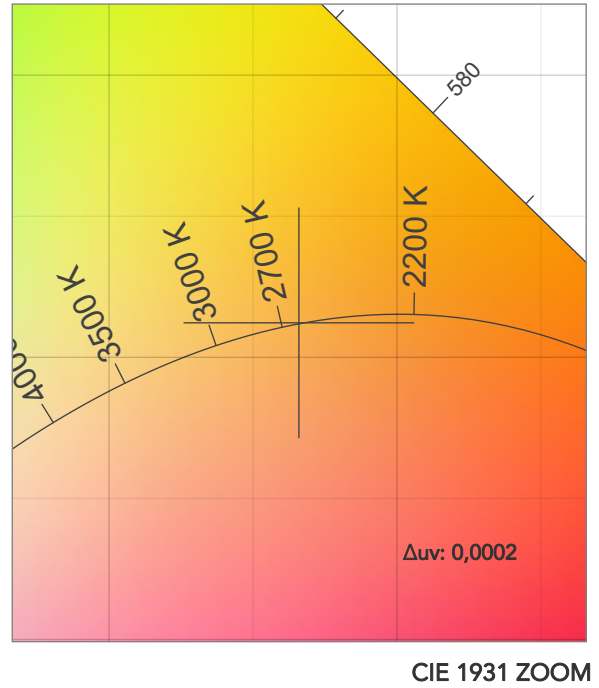
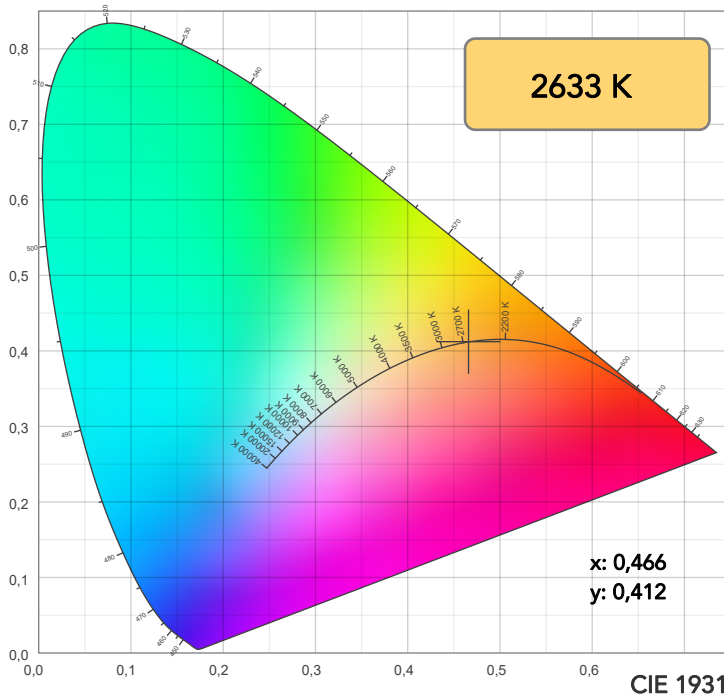
Field angle 10%: 59,1°

Cut off angle 2.5%: 82,3°

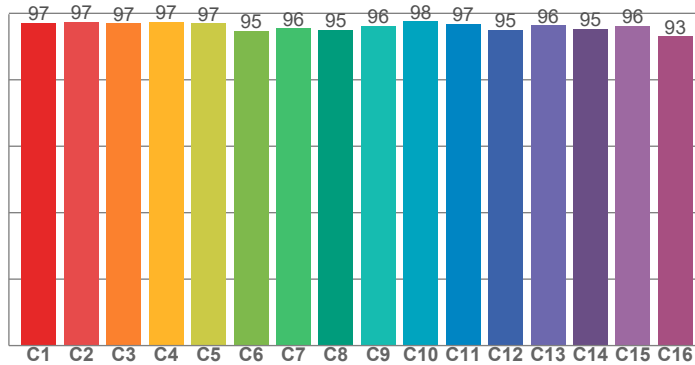
Spectra



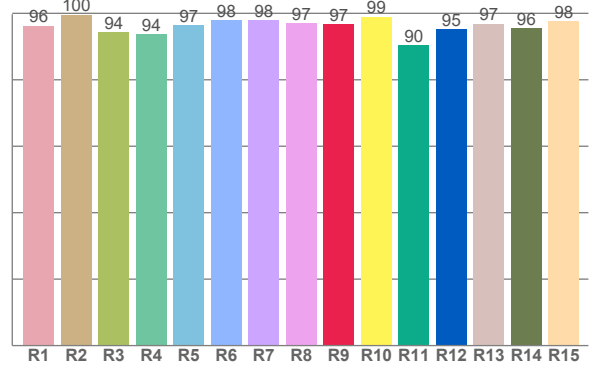
COLOR DETAILS



TM30: 96,3



CRI: 96,7 (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	99,6	94,3	93,7	96,5	98,0	98,0	97,0	96,7	99,0	90,4	95,1	96,9	95,6	97,6

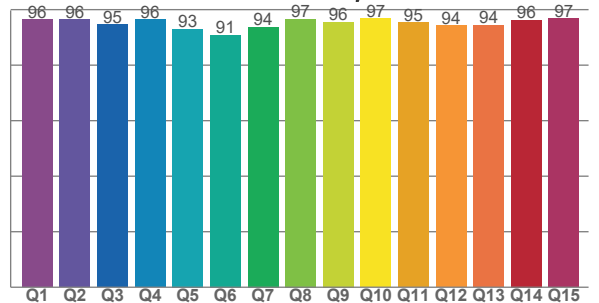
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 94,6



COLOR PARAMETERS

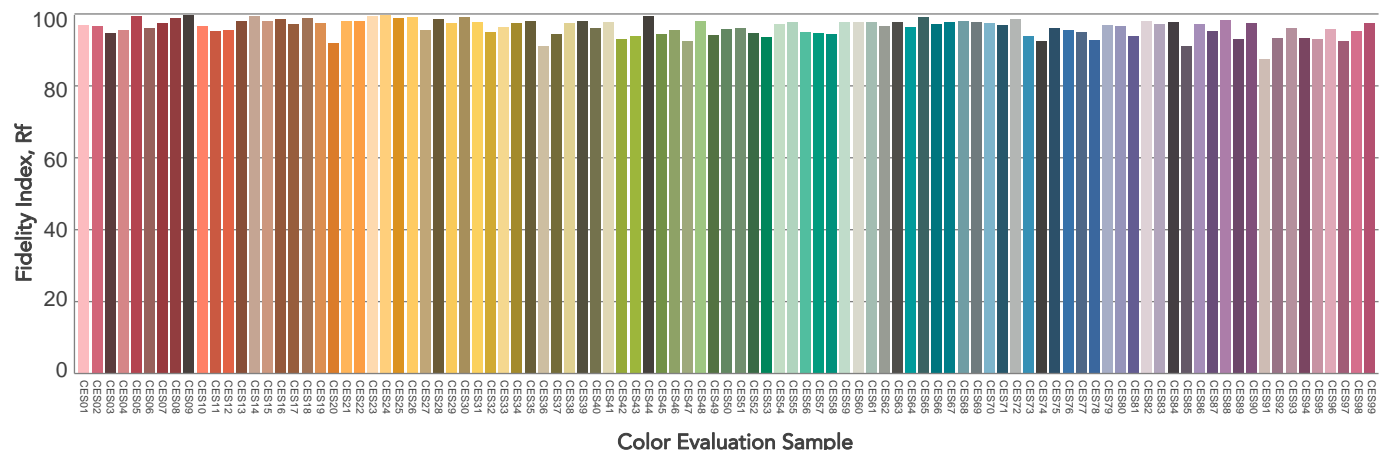
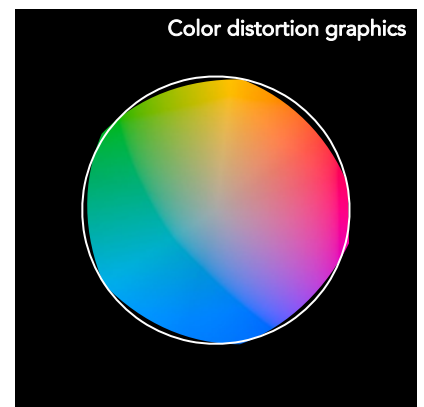
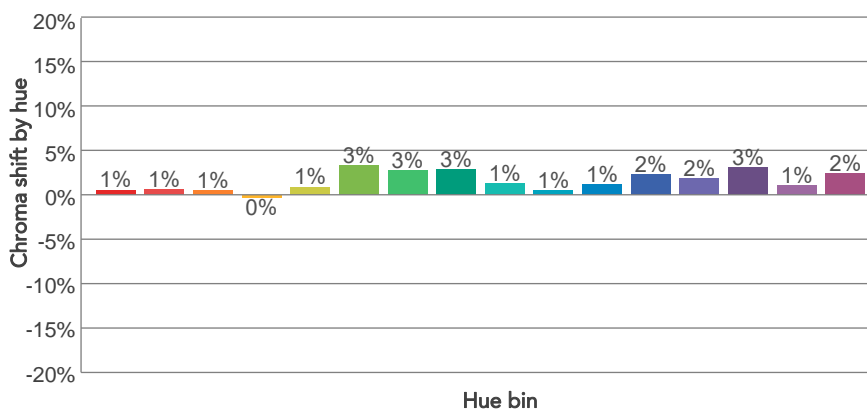
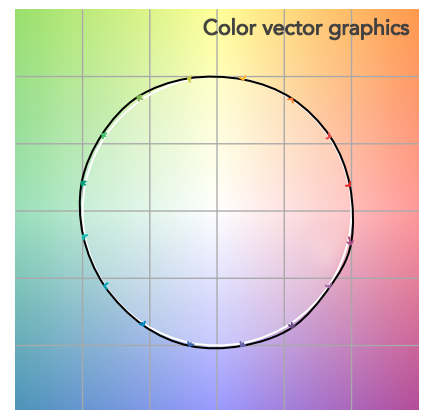
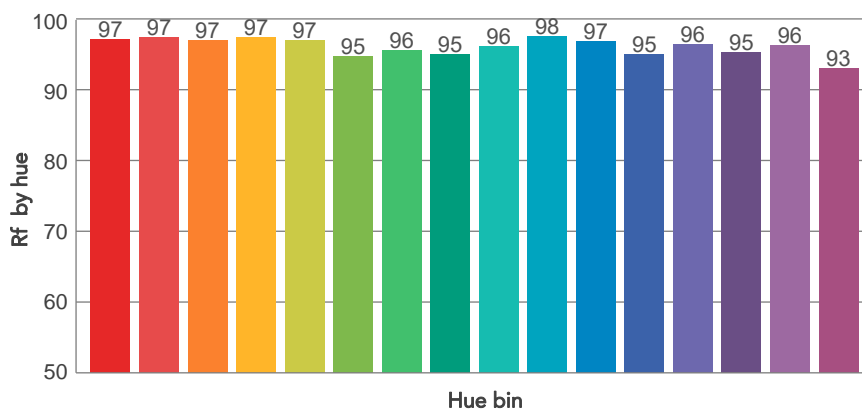
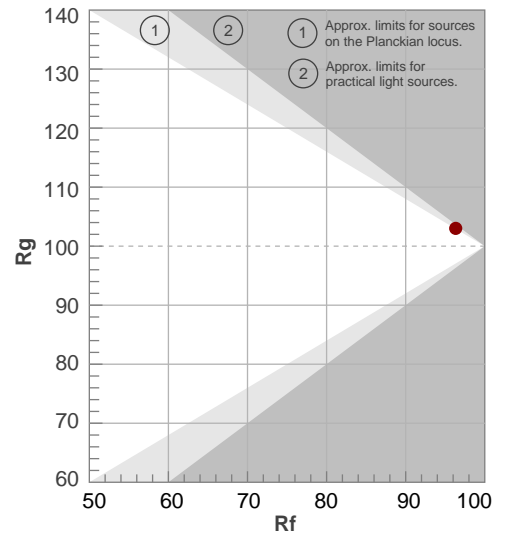
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2633 K	96,7	96,7	96,3	103,0	94,6	98	0,466	0,412	0,0002

TM30 DETAILS

Rf 96,3
Fidelity index Rf

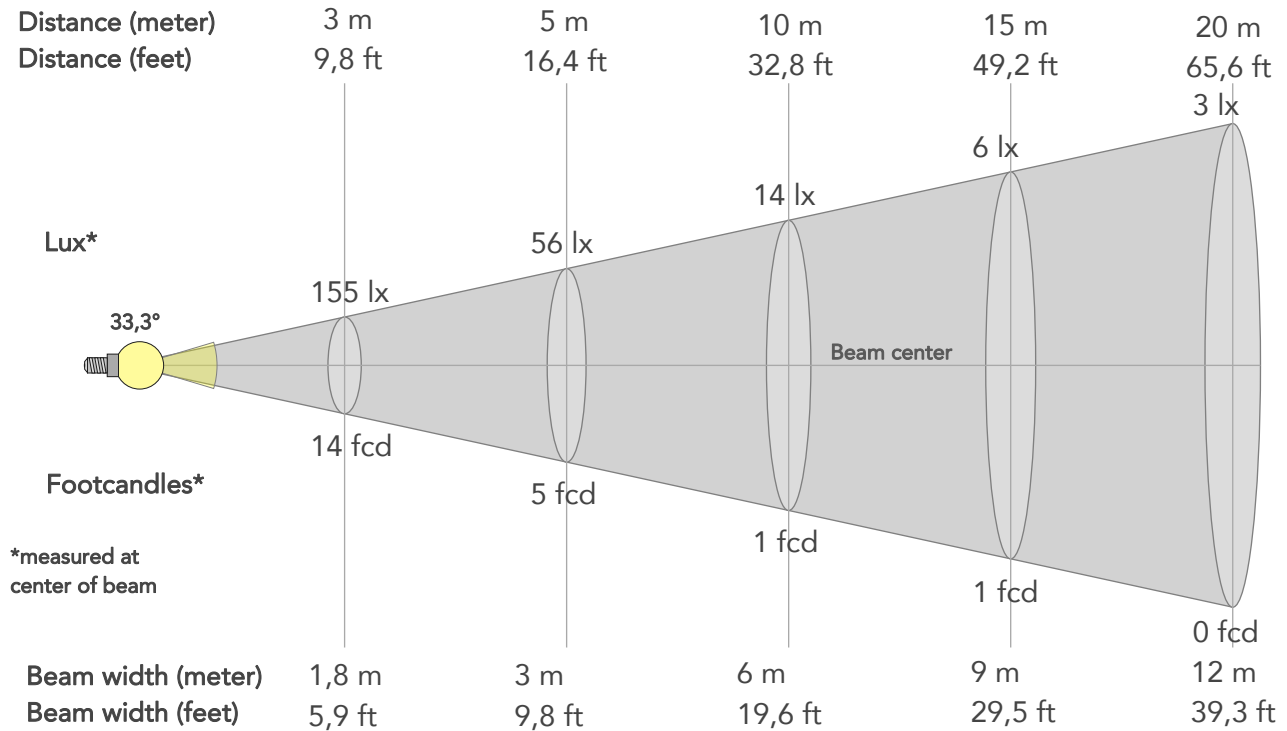
Rg 103,0
Gammut index

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



BEAM DETAILS

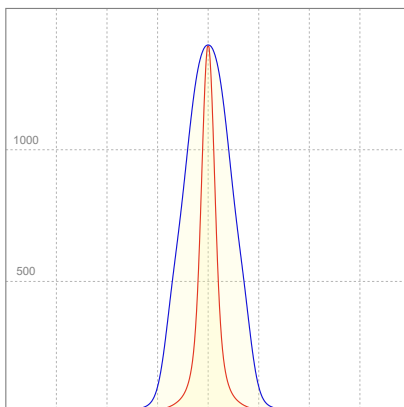
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,3°	59,1°	82,3°	97,6%	92,8%



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	1394lx	349lx	155lx	87lx	56lx	25lx	14lx	6lx	3lx	2lx	2lx	1lx	1lx
Footcand.	130fcd	32fcd	14fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	29,9m
Beam wid.	2ft	4ft	5,9ft	7,8ft	9,8ft	14,7ft	19,6ft	29,5ft	39,3ft	49,1ft	58,9ft	78,6ft	98,2ft

LINEAR DISTRIBUTION DIAGRAM

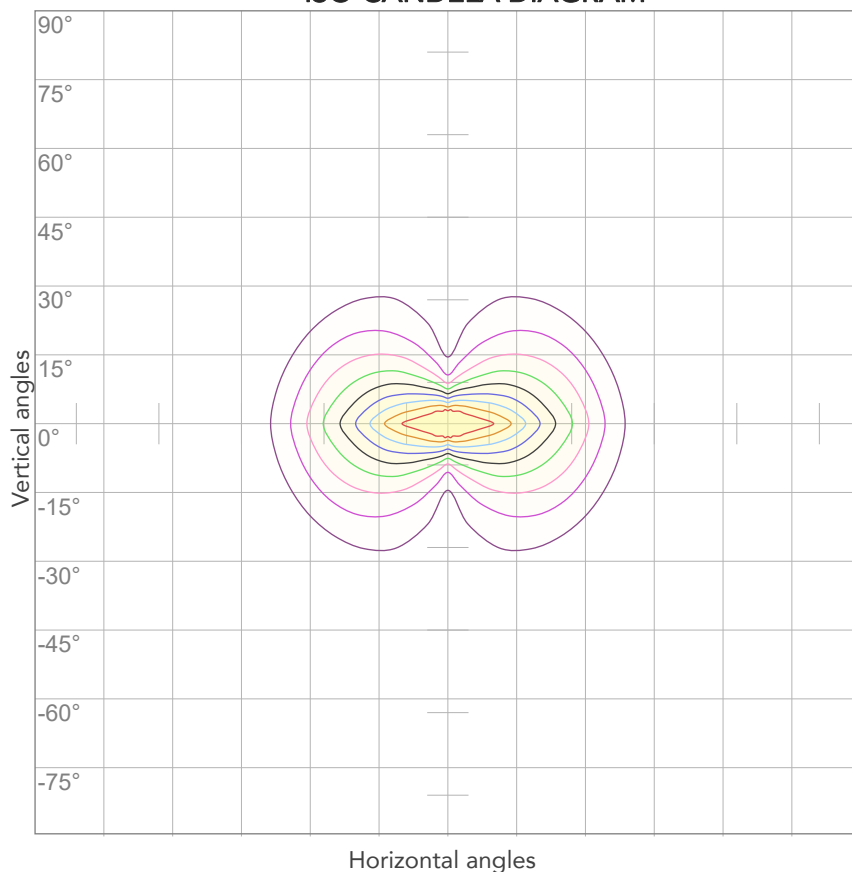


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,081A	13,2W	0,72	51lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



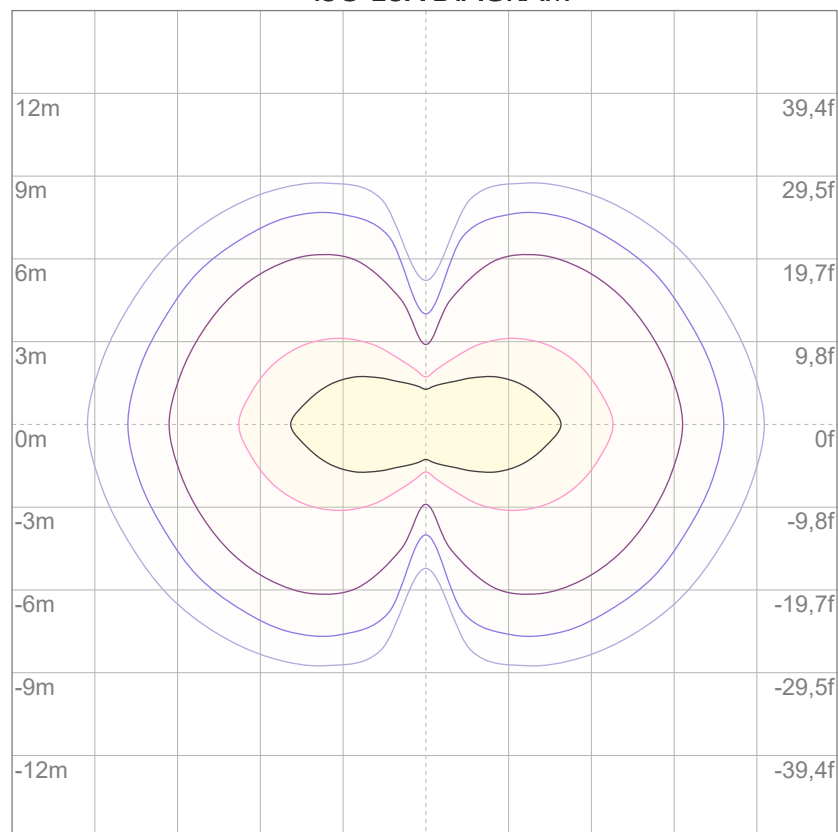
10%	139 cd
20%	279 cd
30%	418 cd
40%	558 cd
50%	697 cd
60%	837 cd
70%	976 cd
80%	1116 cd

Conditions:

Number of c-planes: 4

Candela at center: 1394 cd

ISO LUX DIAGRAM



3%	0,418 lx
5%	0,697 lx
10%	1,39 lx
30%	4,18 lx
50%	6,97 lx

Conditions:

Number of c-planes: 4

Lux at center: 13,9 lx

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



Total lumen output:

414 lm

Peak candela output:

698 cd

Light quality:

CRI: 96,7

Color temperature:

2656 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

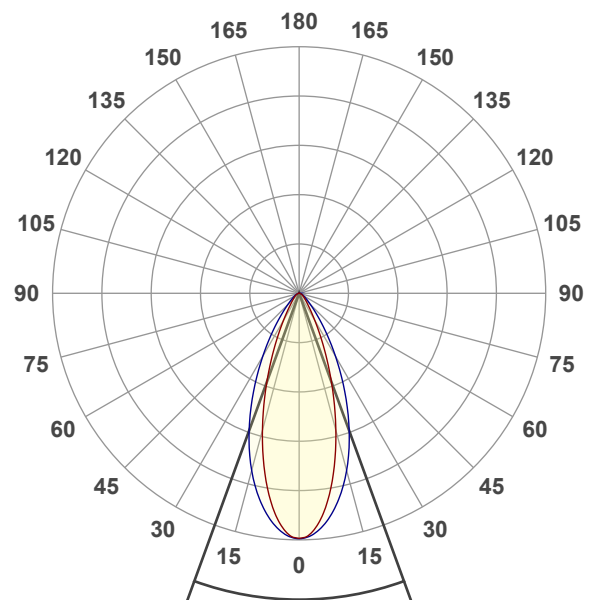
Warm White

Operator:

Salvatore Giglio

Date and time:

29/02/2024 14:45:33

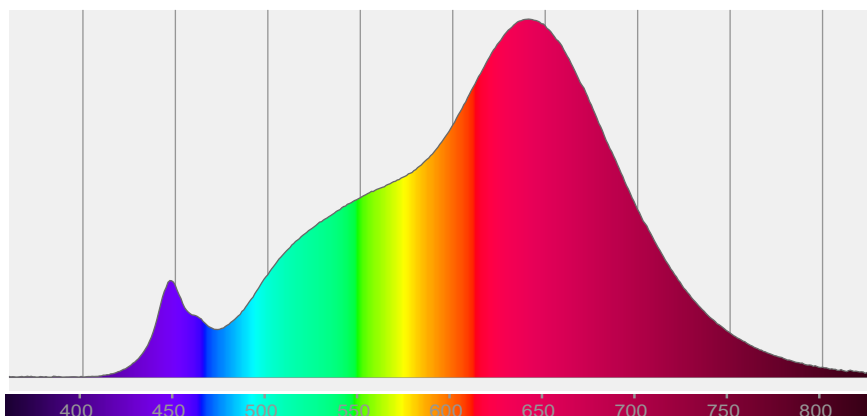


Beam angle 50%: 40°

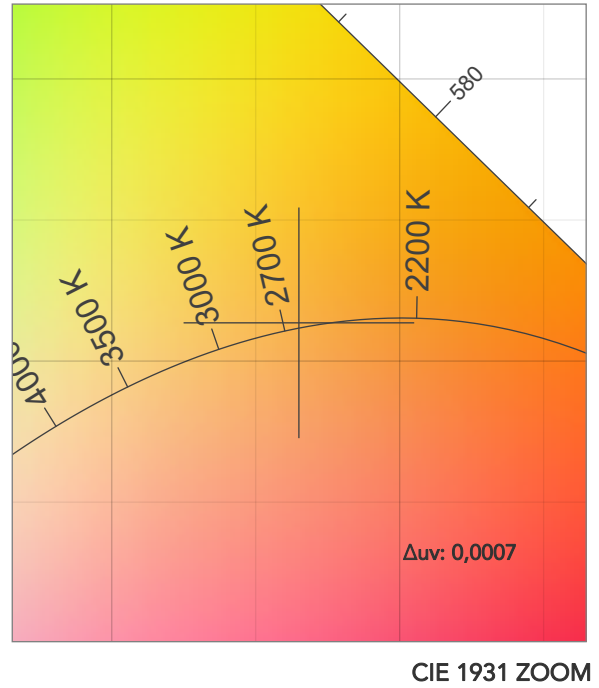
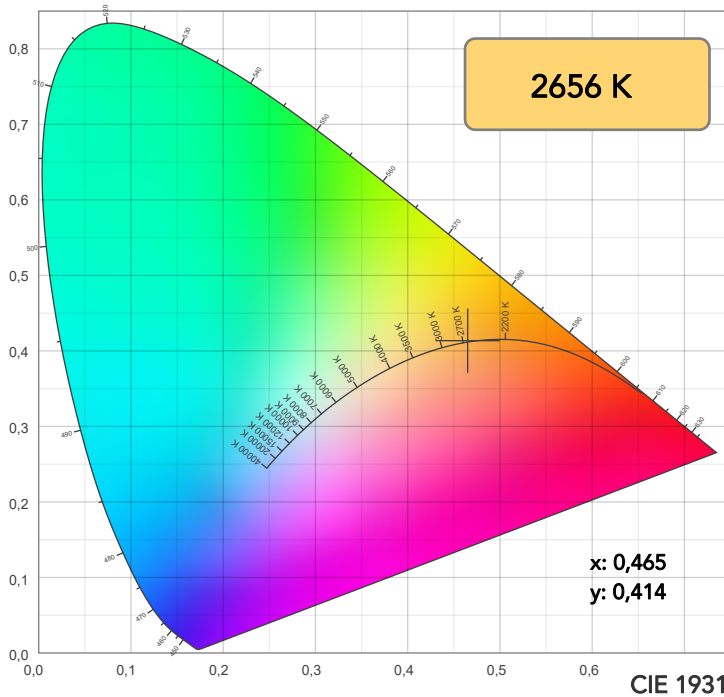
Field angle 10%: 73°

Cut off angle 2.5%: 108,3°

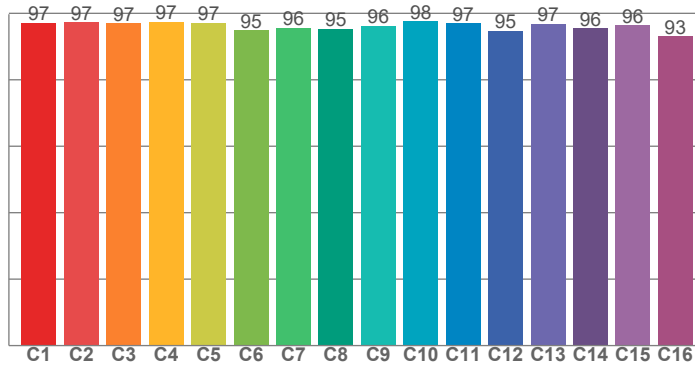
Spectra



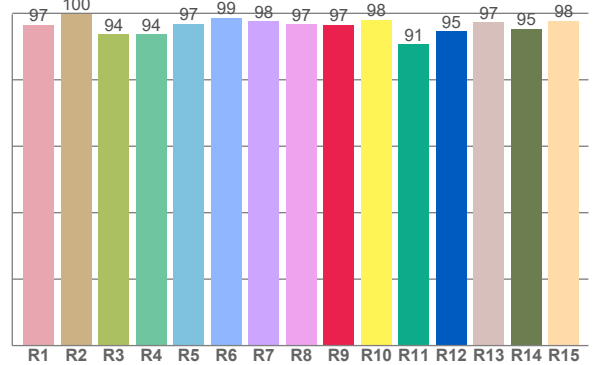
COLOR DETAILS



TM30: 96,4



CRI: 96,7 (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
96,5	99,8	93,7	93,7	96,9	98,7	97,6	96,7	96,5	98,1	90,6	94,7	97,3	95,3	97,8

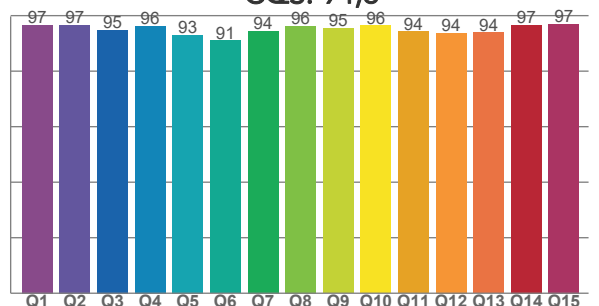
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,7	96,6	94,8	96,3	93,0	91,0	94,4	96,2	95,4	96,5	94,2	93,7	93,9	96,5	97,0

CQS: 94,6



COLOR PARAMETERS

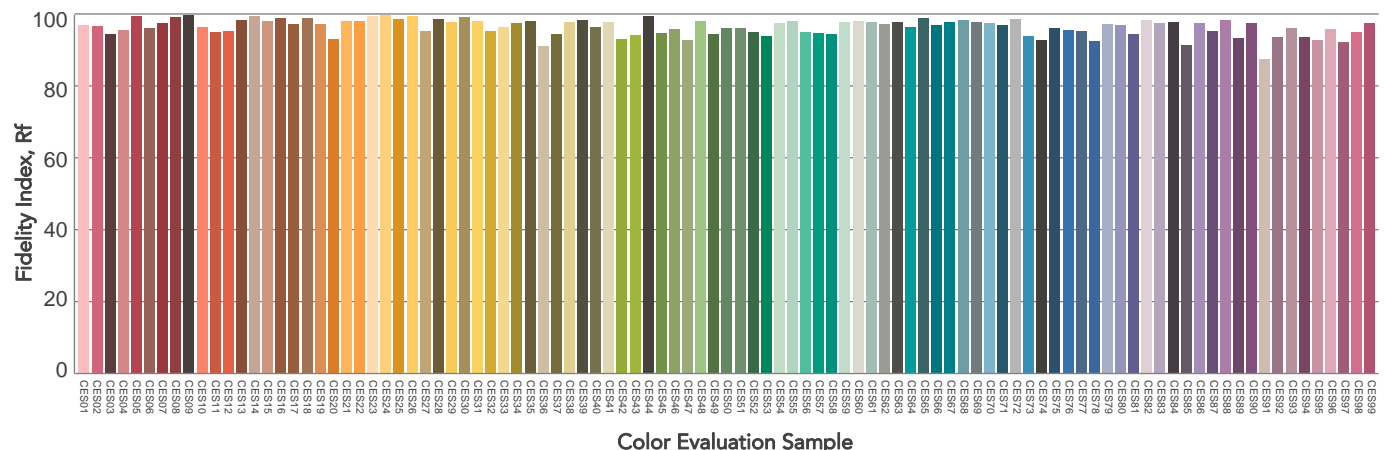
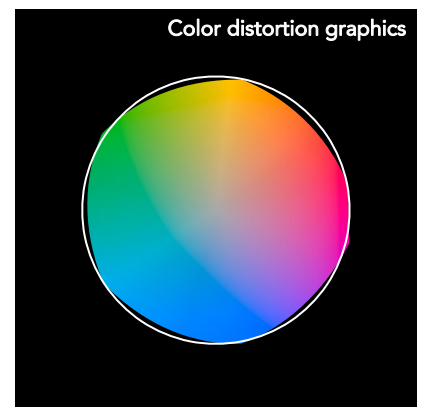
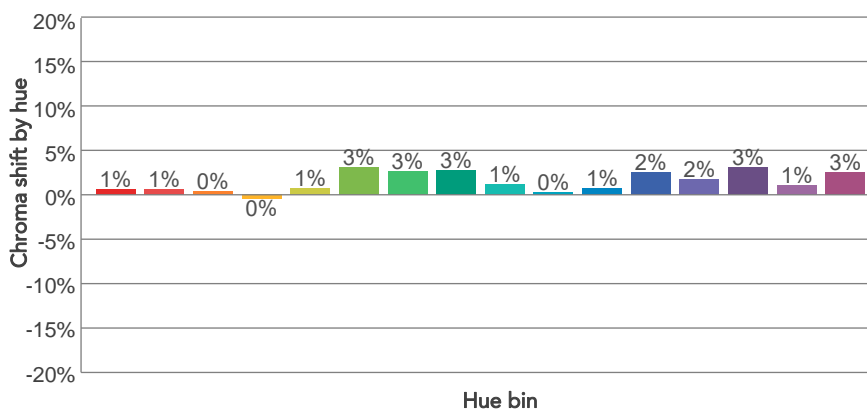
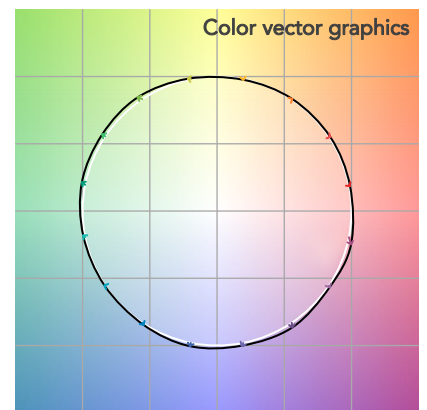
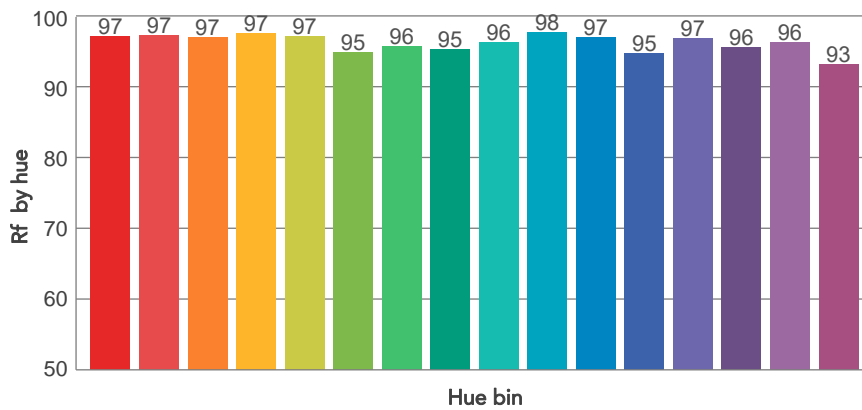
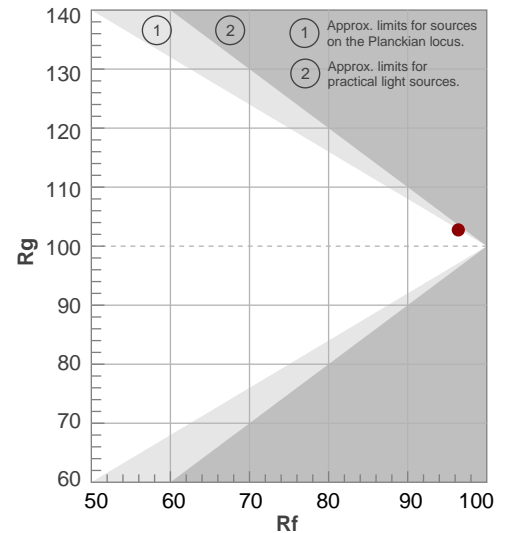
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2656 K	96,7	96,5	96,4	102,8	94,6	98	0,465	0,414	0,0007

TM30 DETAILS

Rf 96,4
Fidelity index Rf

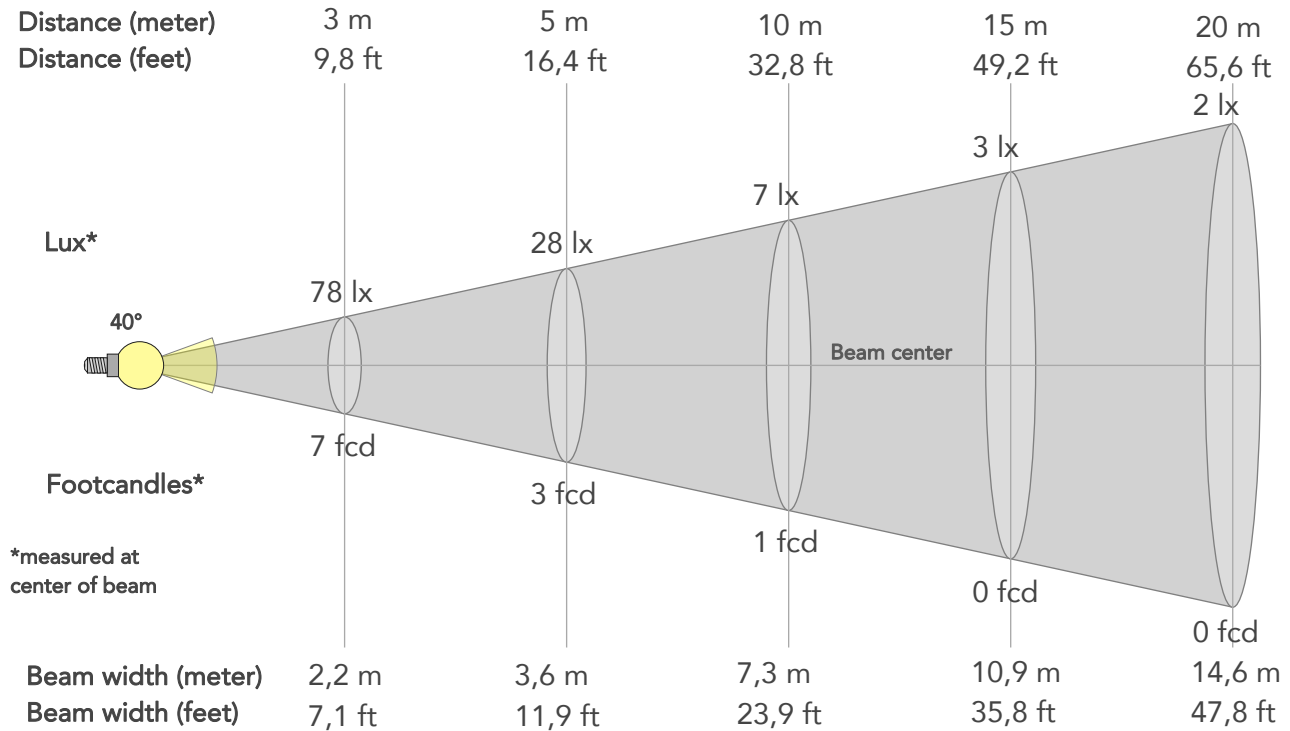
Rg 102,8
Gammut index

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



BEAM DETAILS

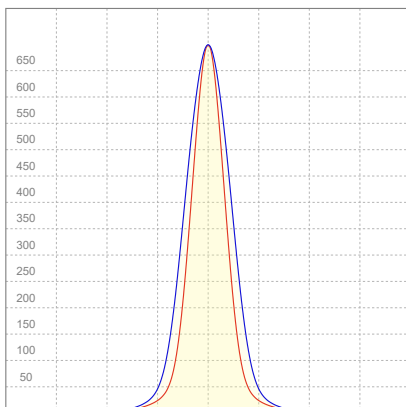
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40°	73°	108,3°	95,9%	89,3%



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	698lx	174lx	78lx	44lx	28lx	12lx	7lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	65fcd	16fcd	7fcd	4fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	2,9m	3,6m	5,5m	7,3m	10,9m	14,6m	18,2m	21,8m	29,1m	36,4m
Beam wid.	2,4ft	4,8ft	7,1ft	9,5ft	11,9ft	17,9ft	23,9ft	35,8ft	47,8ft	59,7ft	71,7ft	95,6ft	119,4ft

LINEAR DISTRIBUTION DIAGRAM

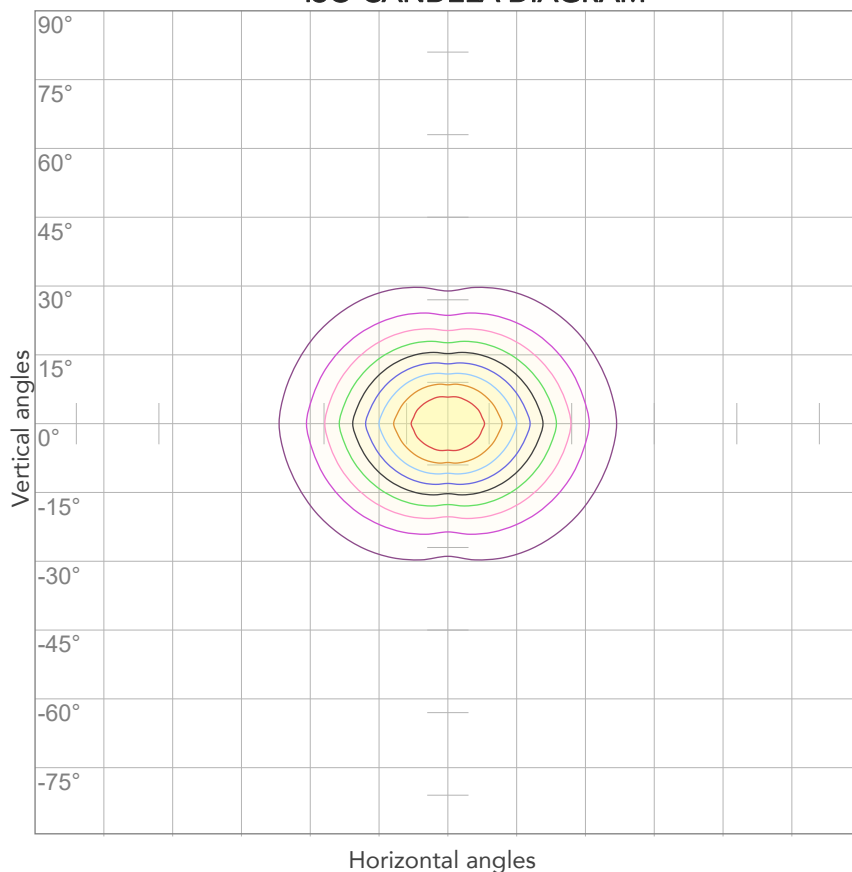


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,082A	13,3W	0,71	31lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



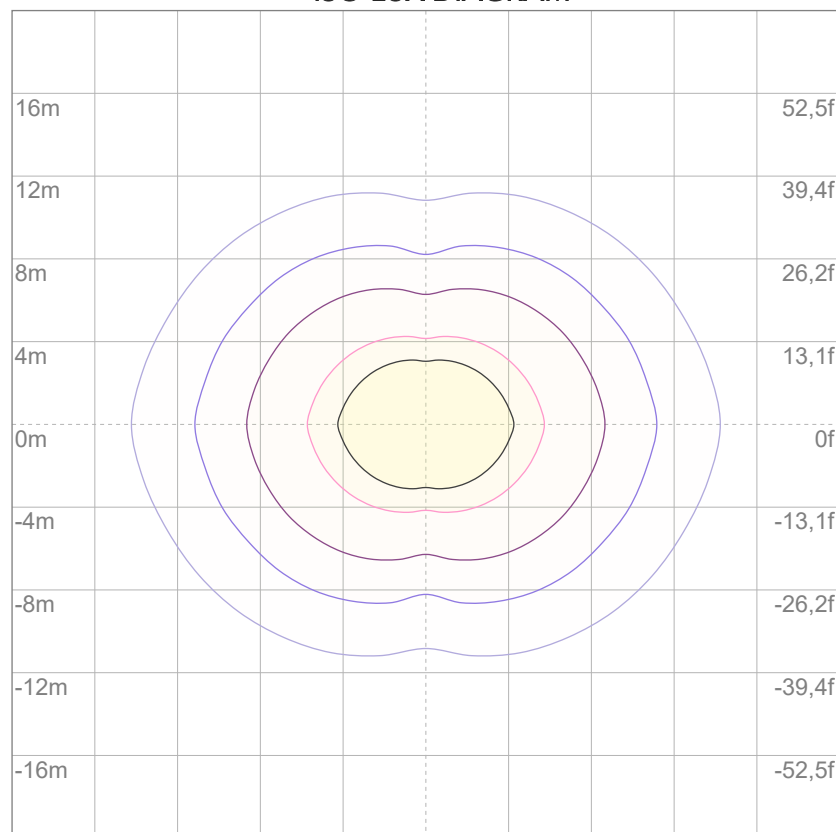
10%	70 cd
20%	140 cd
30%	209 cd
40%	279 cd
50%	349 cd
60%	419 cd
70%	489 cd
80%	558 cd

Conditions:

Number of c-planes: 4

Candela at center: 698 cd

ISO LUX DIAGRAM



3%	0,209 lx
5%	0,349 lx
10%	0,698 lx
30%	2,09 lx
50%	3,49 lx

Conditions:

Number of c-planes: 4

Lux at center: 6,98 lx

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



Total lumen output:

708 lm

Peak candela output:

14069 cd

Light quality:

CRI: 92,0

Color temperature:

6447 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

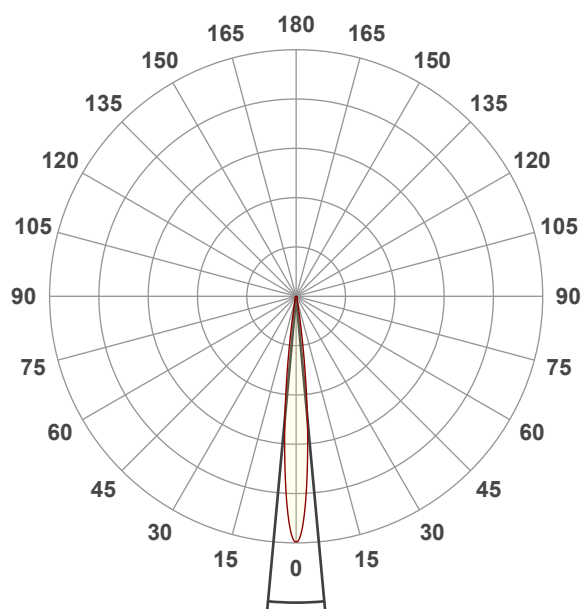
Cold White

Operator:

Salvatore Giglio

Date and time:

29/02/2024 11:28:37

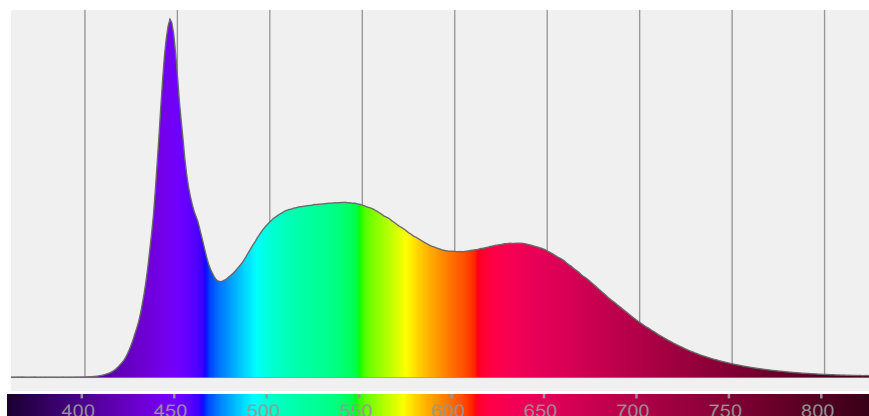


Beam angle 50%: 10,5°

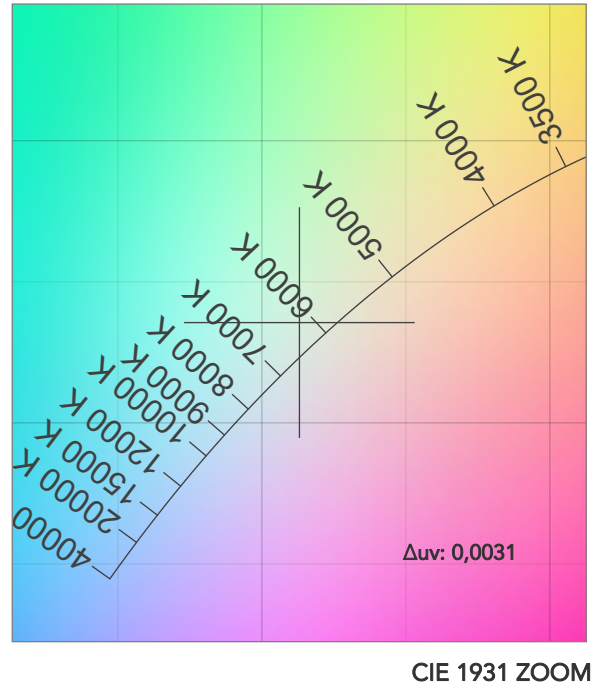
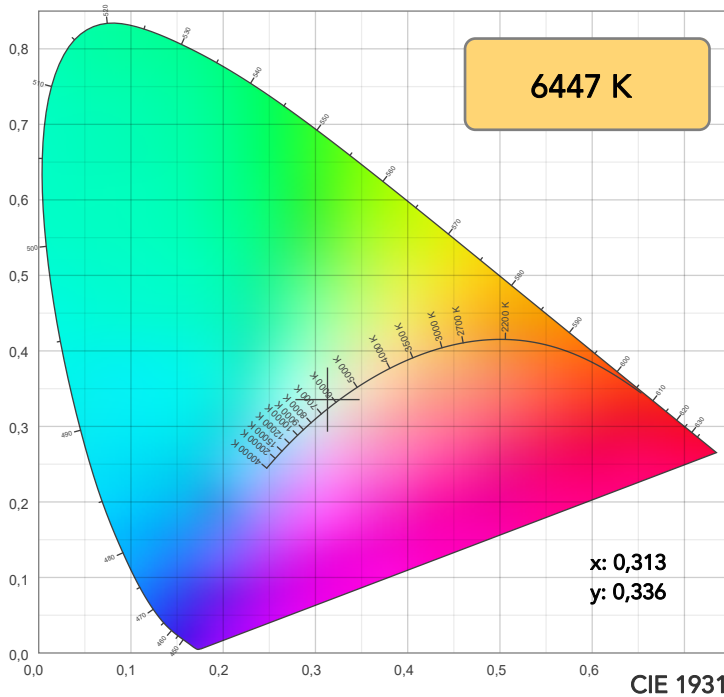
Field angle 10%: 18,6°

Cut off angle 2.5%: 26,8°

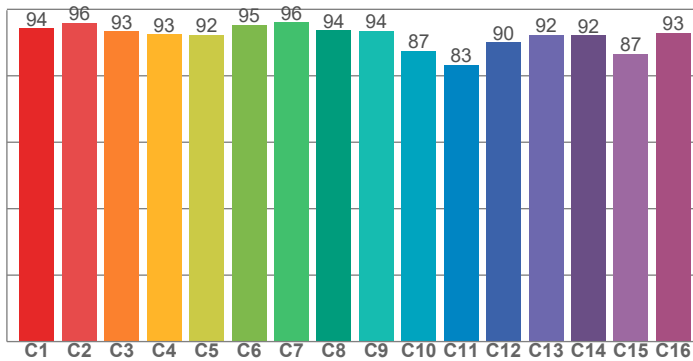
Spectra



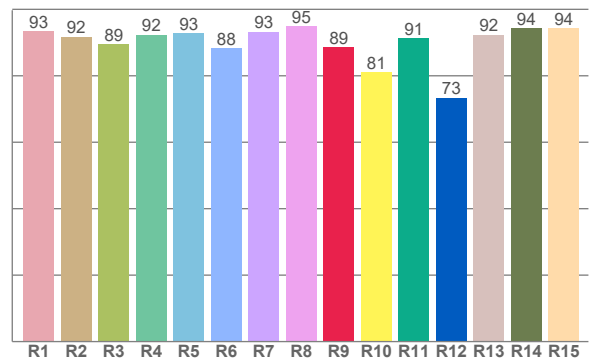
COLOR DETAILS



TM30: 92,0



CRI: 92,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,4	91,8	89,4	92,3	92,8	88,2	93,2	95,0	88,5	81,0	91,4	73,4	92,4	94,4	94,3

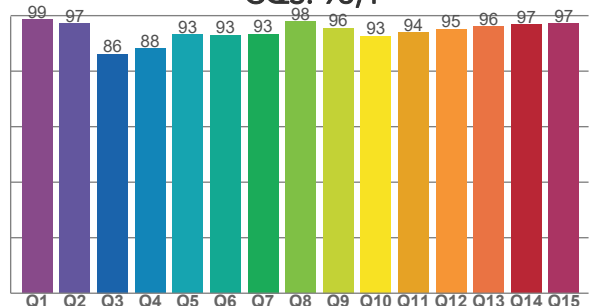
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,3	96,0	93,4	92,5	92,3	95,4	96,1	93,6	93,6	87,5	83,2	90,0	92,3	92,2	86,5	92,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,5	97,1	86,2	88,1	93,2	92,9	93,4	97,9	95,5	92,7	93,9	95,3	96,0	96,7	97,2

CQS: 93,4



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6447 K	92,0	88,5	92,0	101,4	93,4	98	0,313	0,336	0,0031

TM30 DETAILS

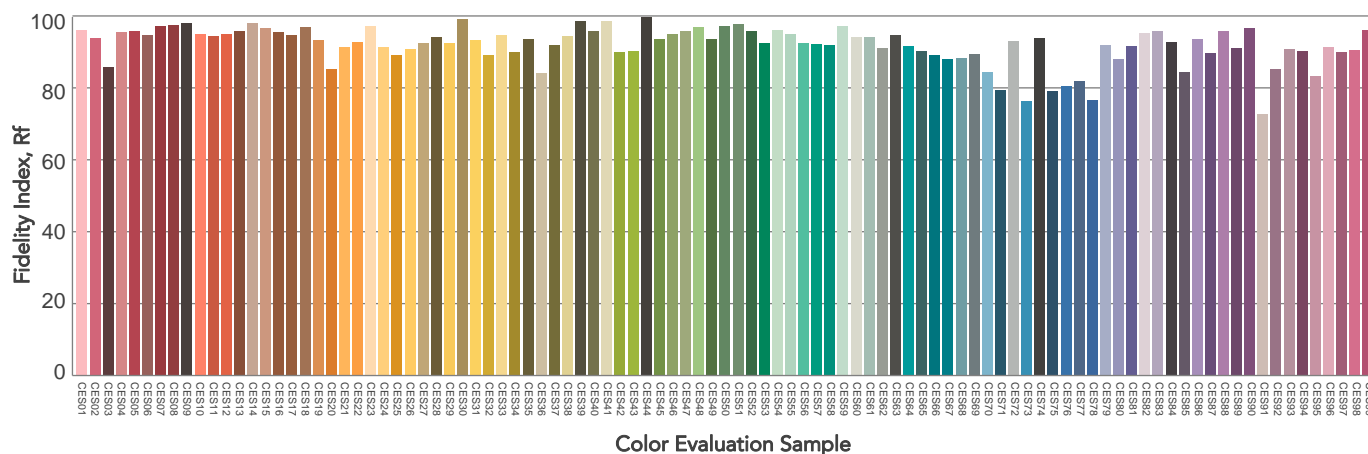
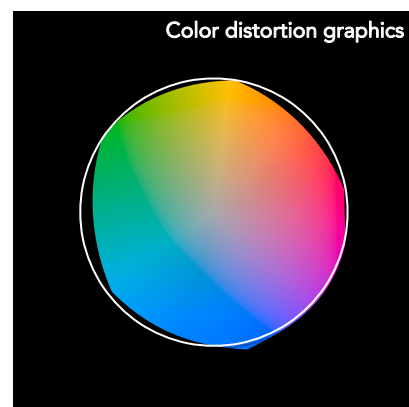
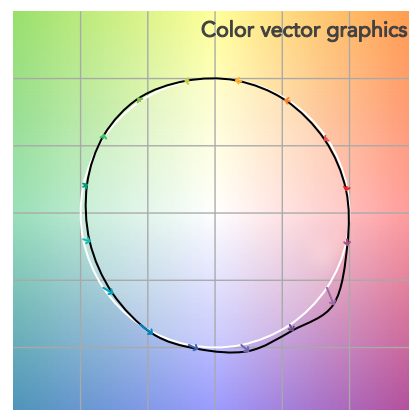
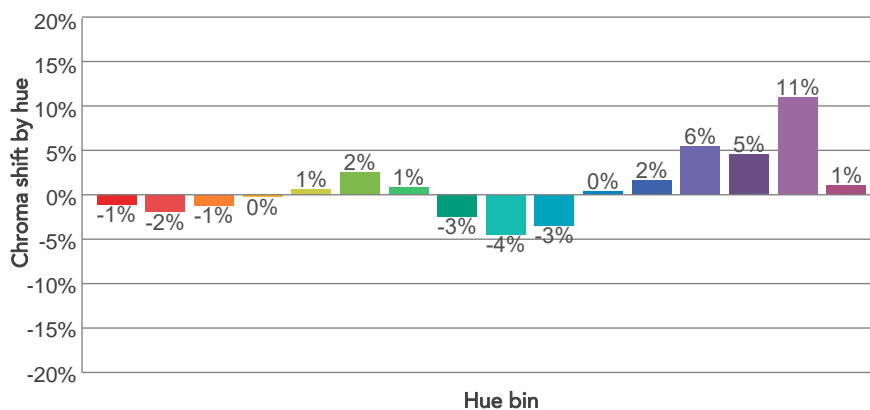
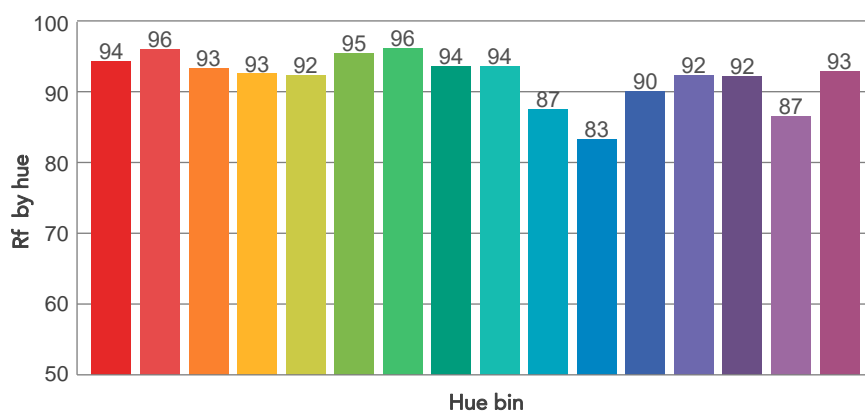
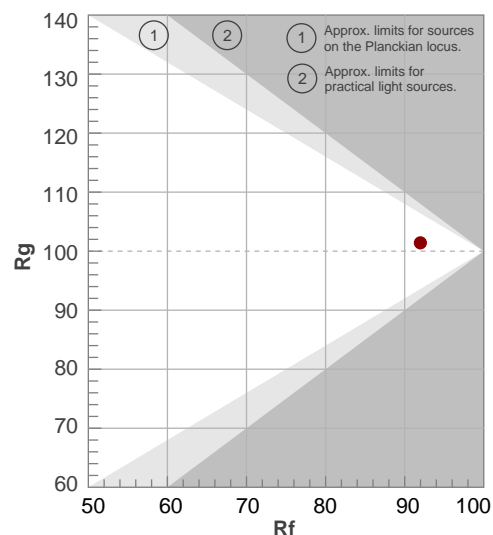
Rf 92,0

Fidelity index R_f

Rg 101,4

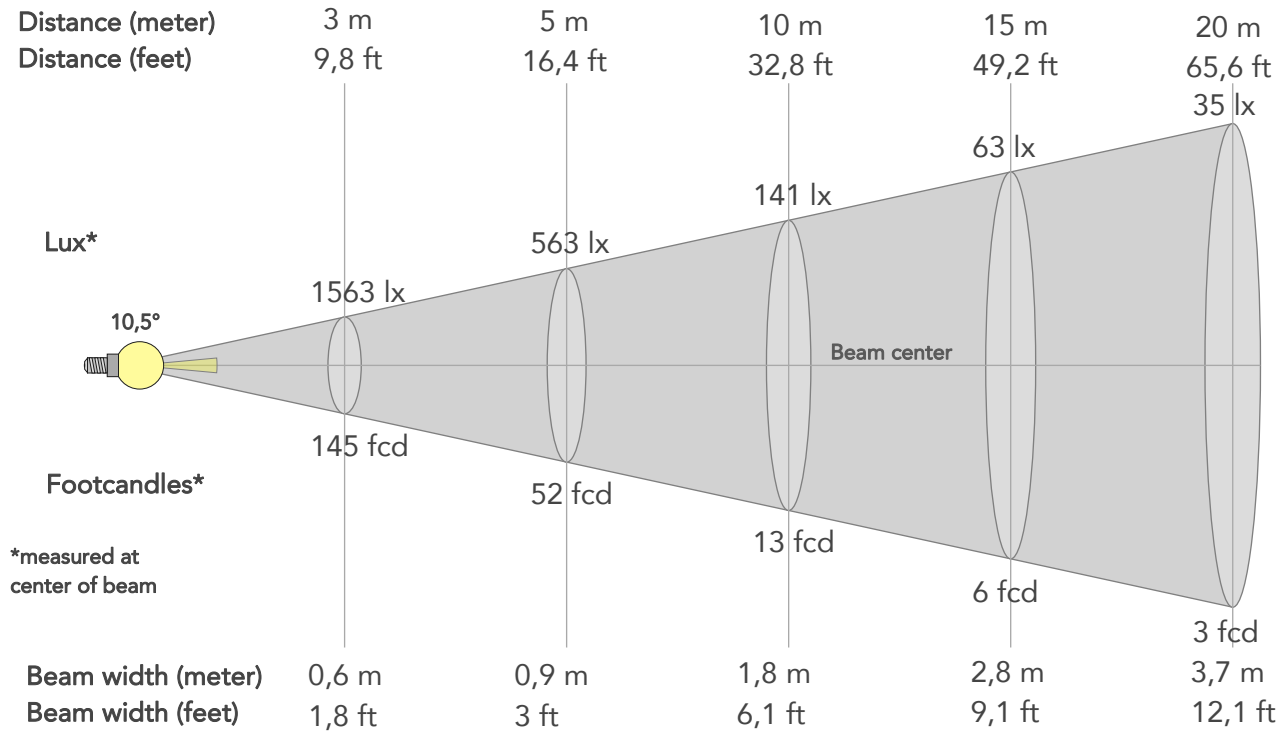
Gammut index

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	-1%	-2%
2	96	-2%	0%
3	93	-1%	3%
4	93	0%	4%
5	92	1%	2%
6	95	2%	0%
7	96	1%	-2%
8	94	-3%	-2%
9	94	-4%	2%
10	87	-3%	7%
11	83	0%	11%
12	90	2%	7%
13	92	6%	4%
14	92	5%	-1%
15	87	11%	-7%
16	93	1%	-4%



BEAM DETAILS

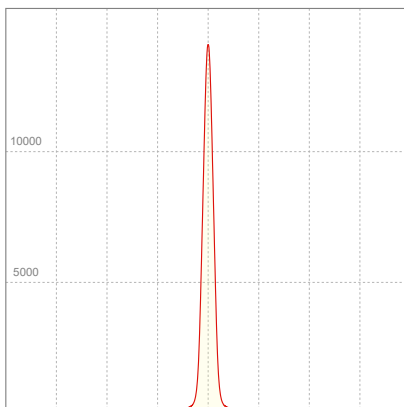
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,5°	18,6°	26,8°	96,8%	94,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	14069lx	3517lx	1563lx	879lx	563lx	250lx	141lx	63lx	35lx	23lx	16lx	9lx	6lx
Footcand.	1307fcd	327fcd	145fcd	82fcd	52fcd	23fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	1fcd
Beam wid.	0,2m	0,4m	0,6m	0,7m	0,9m	1,4m	1,8m	2,8m	3,7m	4,6m	5,5m	7,4m	9,2m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	6,1ft	9,1ft	12,1ft	15,1ft	18,2ft	24,2ft	30,3ft

LINEAR DISTRIBUTION DIAGRAM

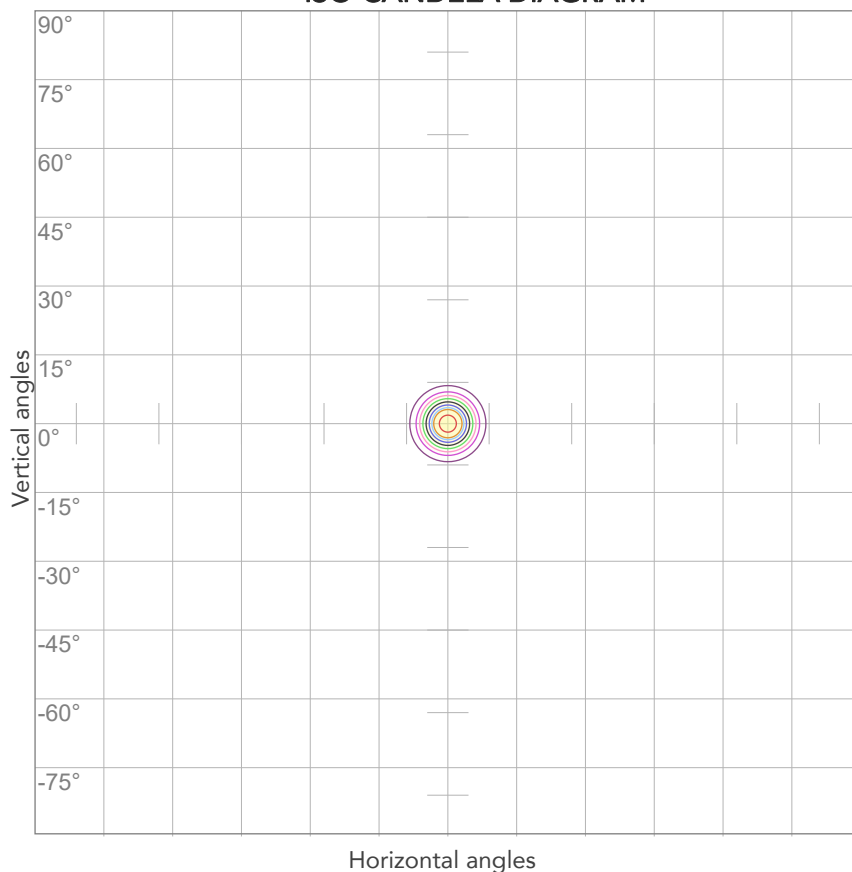


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,081A	13,3W	0,72	53lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



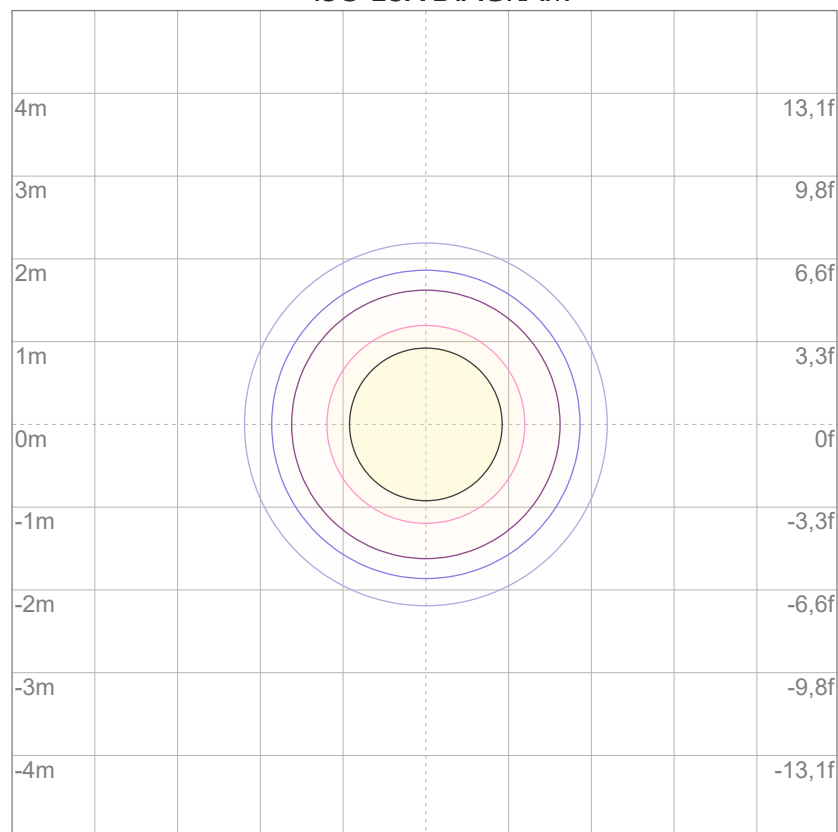
10%	1407 cd
20%	2814 cd
30%	4221 cd
40%	5628 cd
50%	7034 cd
60%	8441 cd
70%	9848 cd
80%	11255 cd

Conditions:

Number of c-planes: 2

Candela at center: 14069 cd

ISO LUX DIAGRAM



3%	4,22 lx
5%	7,03 lx
10%	14,1 lx
30%	42,2 lx
50%	70,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 141 lx

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



Total lumen output:

643 lm

Peak candela output:

2659 cd

Light quality:

CRI: 92,6

Color temperature:

6423 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

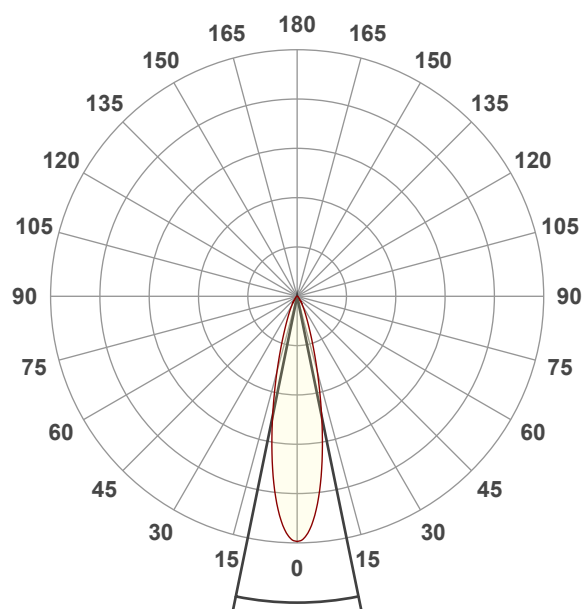
Cold White

Operator:

Salvatore Giglio

Date and time:

29/02/2024 12:18:12

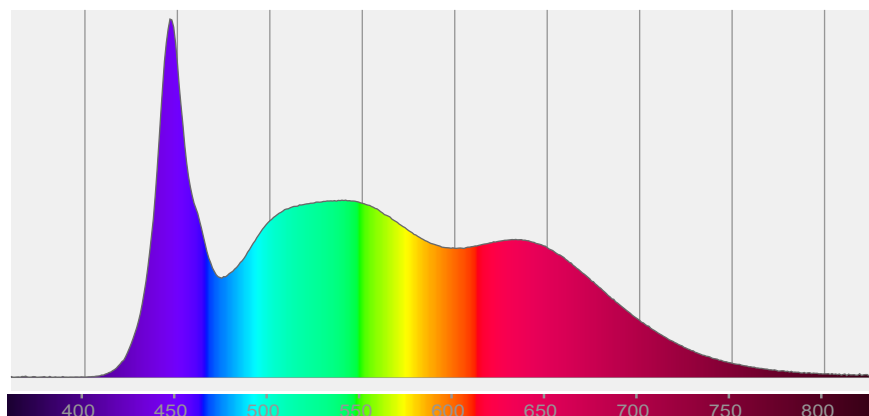


Beam angle 50%: 23,1°

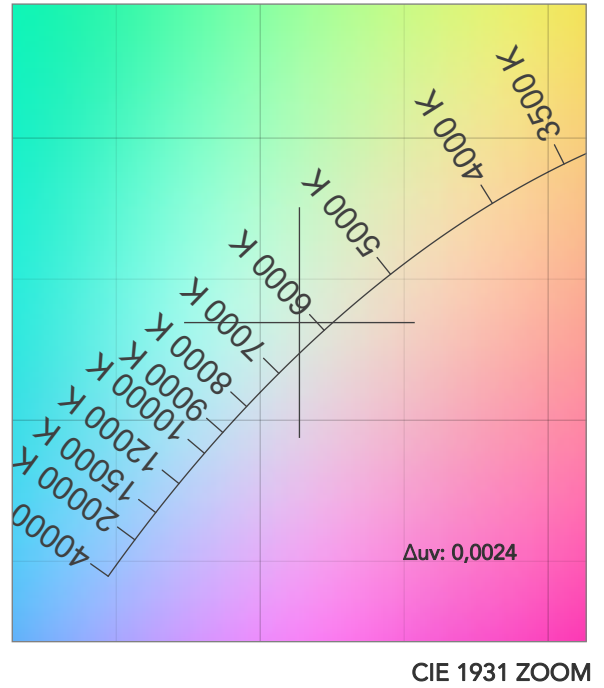
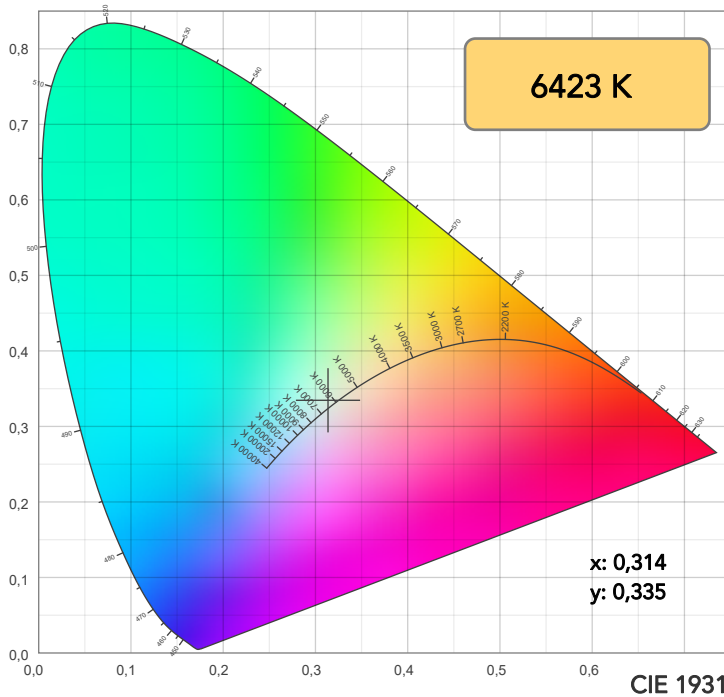
Field angle 10%: 46,5°

Cut off angle 2.5%: 71,3°

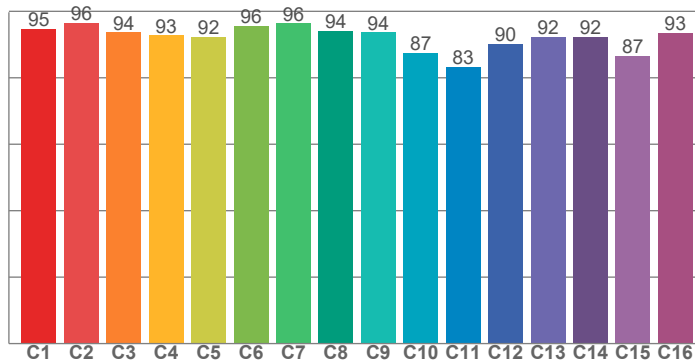
Spectra



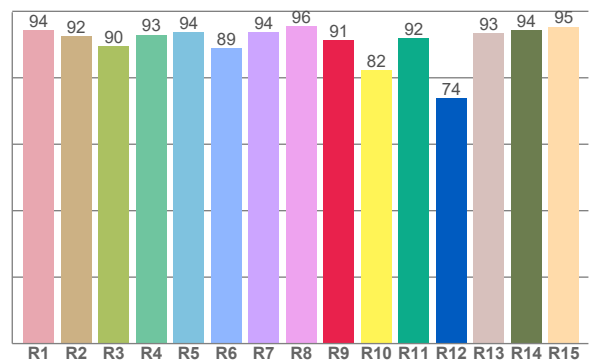
COLOR DETAILS



TM30: 92,2



CRI: 92,6 (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
94,4	92,5	89,6	92,9	93,6	88,8	93,6	95,6	91,3	82,2	91,8	73,7	93,4	94,4	95,4

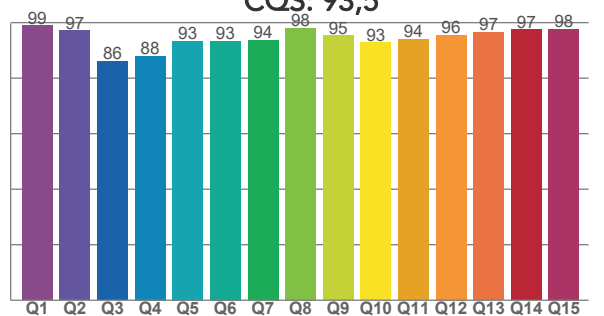
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,8	96,5	93,7	92,7	92,3	95,6	96,4	94,2	93,6	87,4	83,4	90,2	92,3	92,4	86,7	93,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,9	97,2	86,1	88,0	93,4	93,4	93,7	98,1	95,4	92,8	94,0	95,6	96,5	97,4	97,8

CQS: 93,5



COLOR PARAMETERS

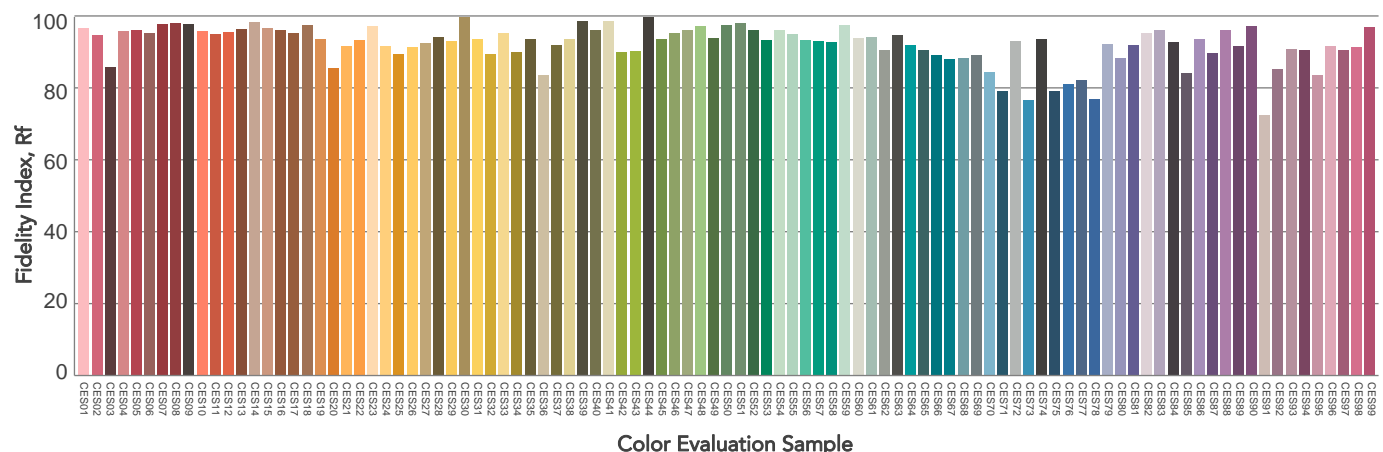
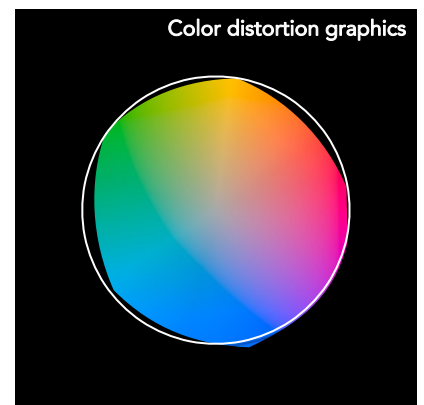
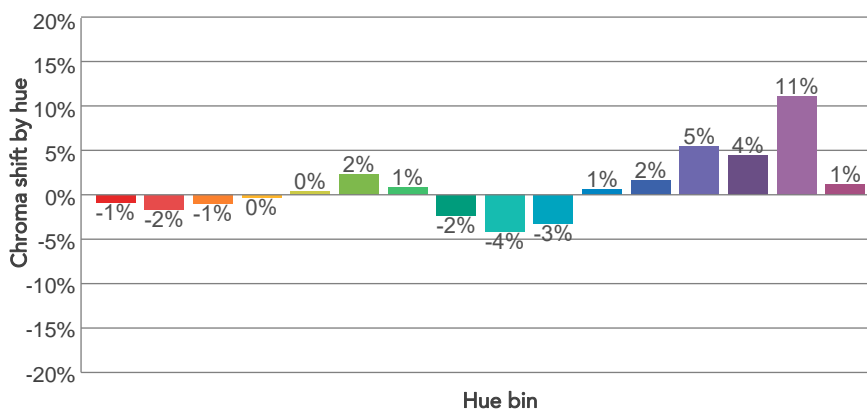
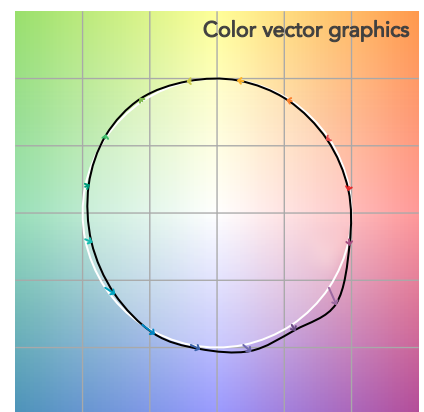
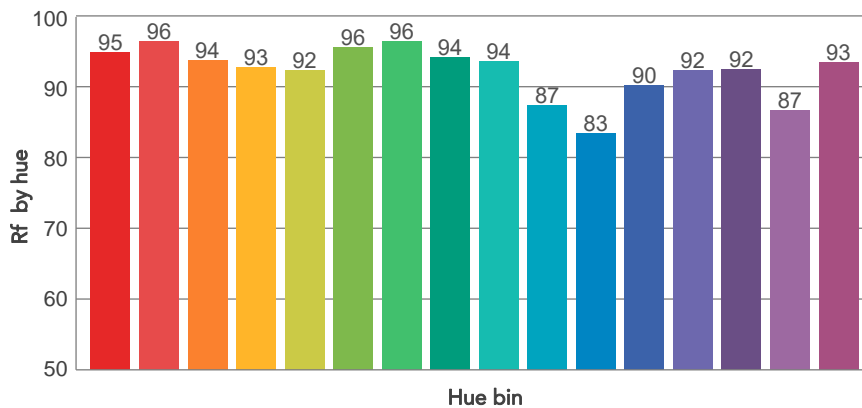
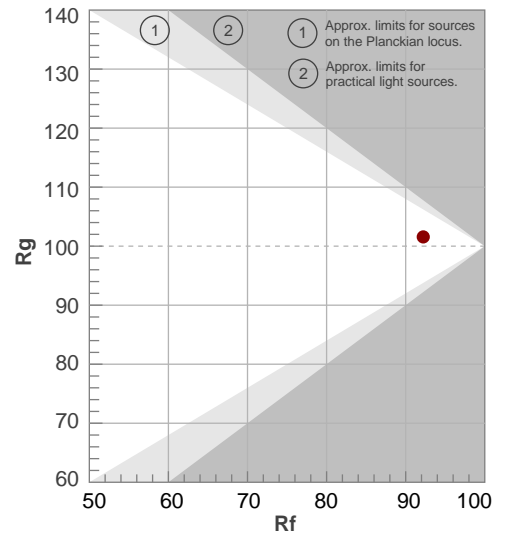
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6423 K	92,6	91,3	92,2	101,6	93,5	98	0,314	0,335	0,0024

TM30 DETAILS

Rf 92,2
Fidelity index Rf

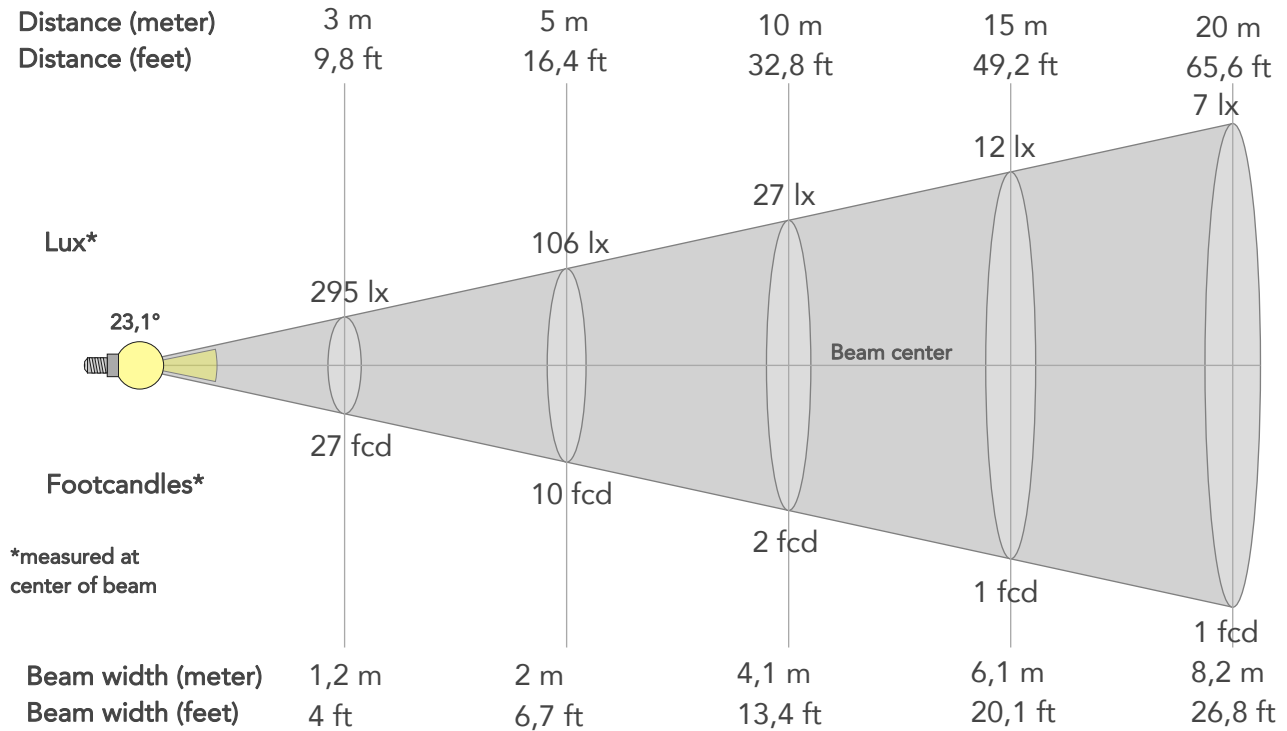
Rg 101,6
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-2%
2	96	-2%	0%
3	94	-1%	3%
4	93	0%	4%
5	92	0%	2%
6	96	2%	0%
7	96	1%	-2%
8	94	-2%	-2%
9	94	-4%	3%
10	87	-3%	7%
11	83	1%	11%
12	90	2%	7%
13	92	5%	4%
14	92	4%	0%
15	87	11%	-7%
16	93	1%	-4%



BEAM DETAILS

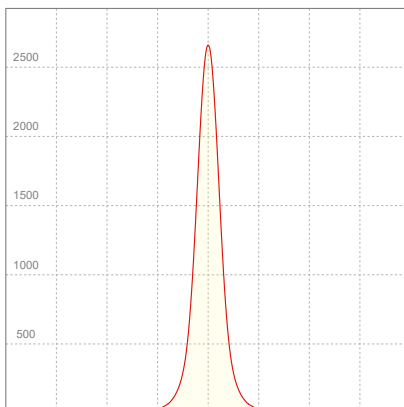
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,1°	46,5°	71,3°	96,9%	93,0%



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	2659lx	665lx	295lx	166lx	106lx	47lx	27lx	12lx	7lx	4lx	3lx	2lx	1lx
Footcand.	247fcd	62fcd	27fcd	15fcd	10fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3,1m	4,1m	6,1m	8,2m	10,2m	12,3m	16,4m	20,4m
Beam wid.	1,3ft	2,7ft	4ft	5,4ft	6,7ft	10,1ft	13,4ft	20,1ft	26,8ft	33,5ft	40,2ft	53,6ft	67ft

LINEAR DISTRIBUTION DIAGRAM

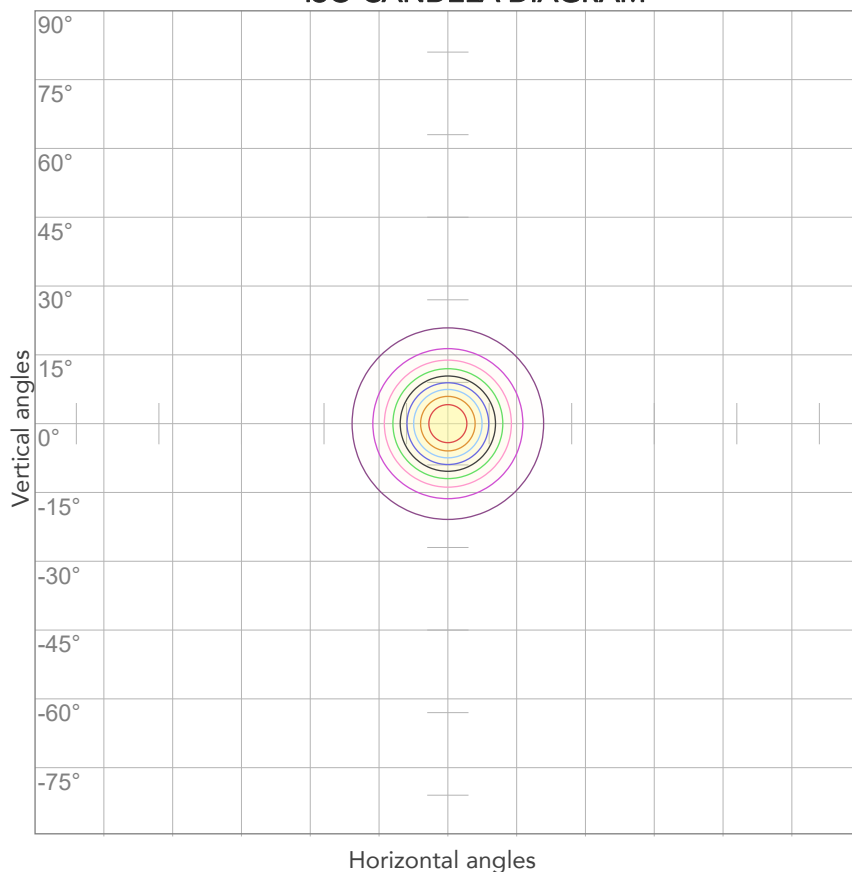


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,081A	13,2W	0,72	49lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



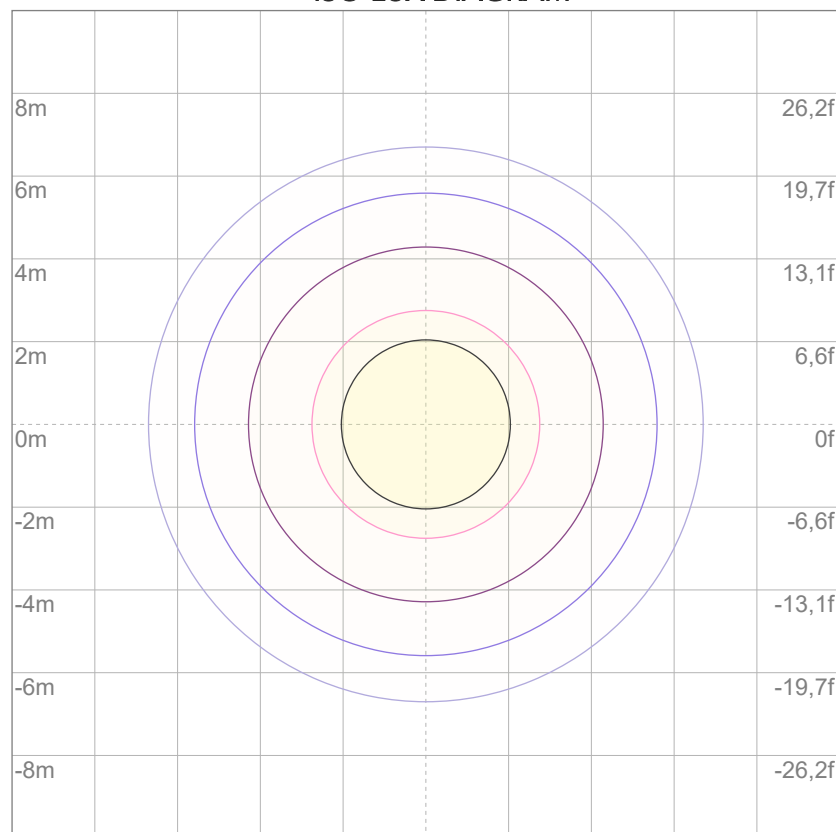
10%	266 cd
20%	532 cd
30%	798 cd
40%	1064 cd
50%	1329 cd
60%	1595 cd
70%	1861 cd
80%	2127 cd

Conditions:

Number of c-planes: 2

Candela at center: 2659 cd

ISO LUX DIAGRAM



3%	0,798 lx
5%	1,33 lx
10%	2,66 lx
30%	7,98 lx
50%	13,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 26,6 lx

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



Total lumen output:

611 lm

Peak candela output:

775 cd

Light quality:

CRI: 92,5

Color temperature:

6446 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

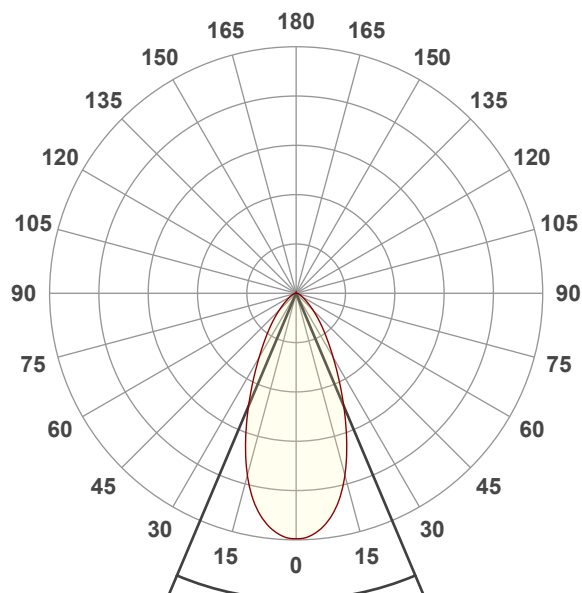
Cold White

Operator:

Salvatore Giglio

Date and time:

29/02/2024 12:23:09

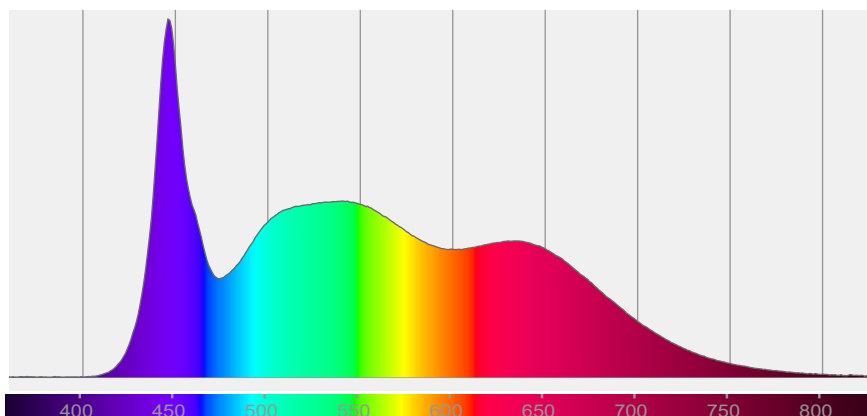


Beam angle 50%: 45,8°

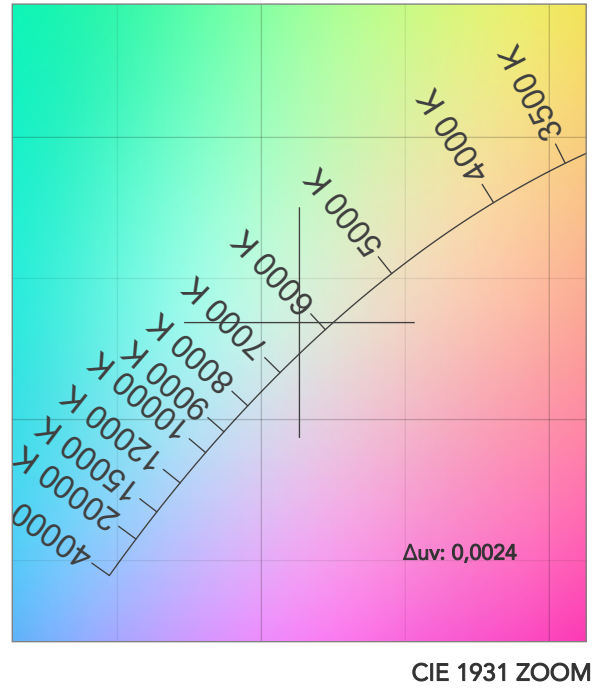
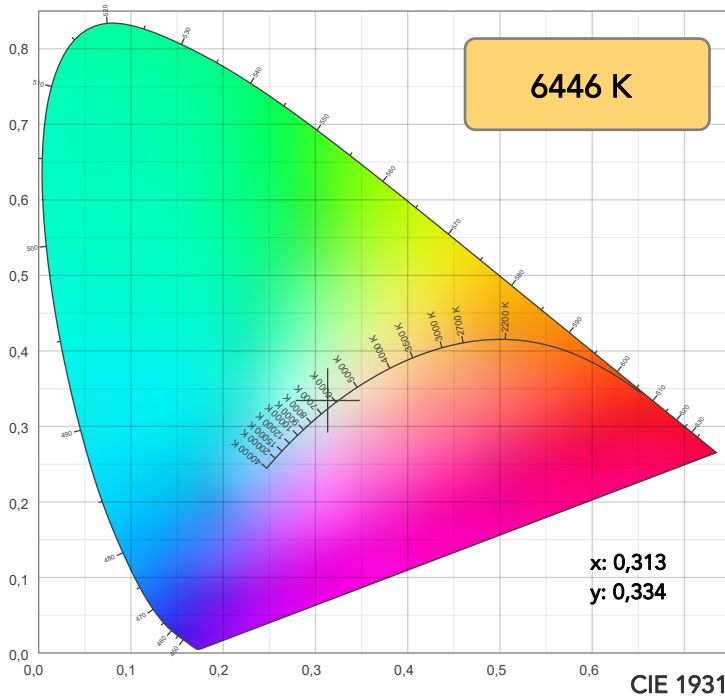
Field angle 10%: 89,5°

Cut off angle 2.5%: 125,1°

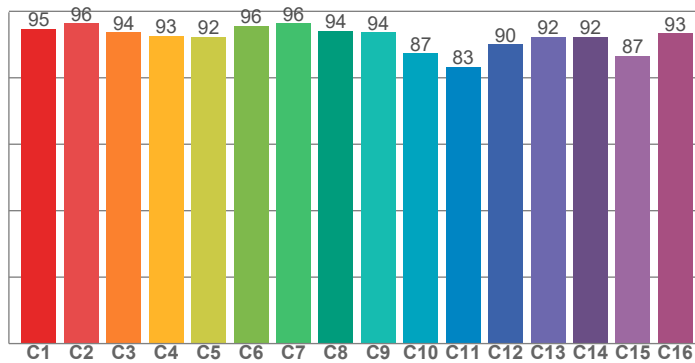
Spectra



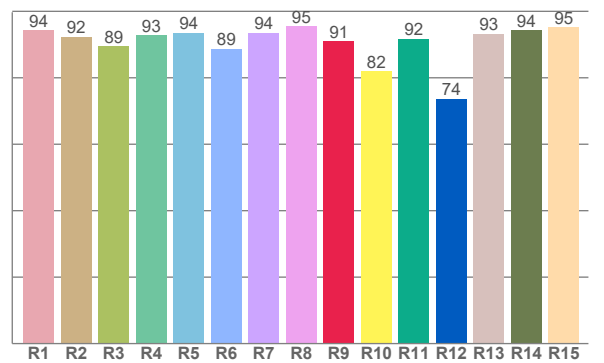
COLOR DETAILS



TM30: 92,2



CRI: 92,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,3	92,4	89,5	92,8	93,5	88,7	93,5	95,5	91,0	82,0	91,8	73,6	93,2	94,3	95,3

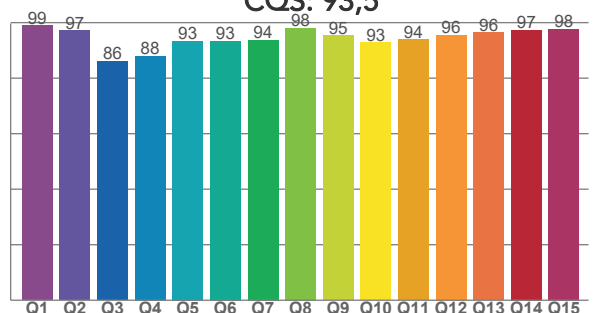
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,7	96,4	93,6	92,7	92,3	95,5	96,3	94,1	93,6	87,4	83,3	90,1	92,3	92,3	86,6	93,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,9	97,2	86,0	88,0	93,3	93,3	93,7	98,1	95,3	92,8	93,9	95,5	96,4	97,4	97,7

CQS: 93,5



COLOR PARAMETERS

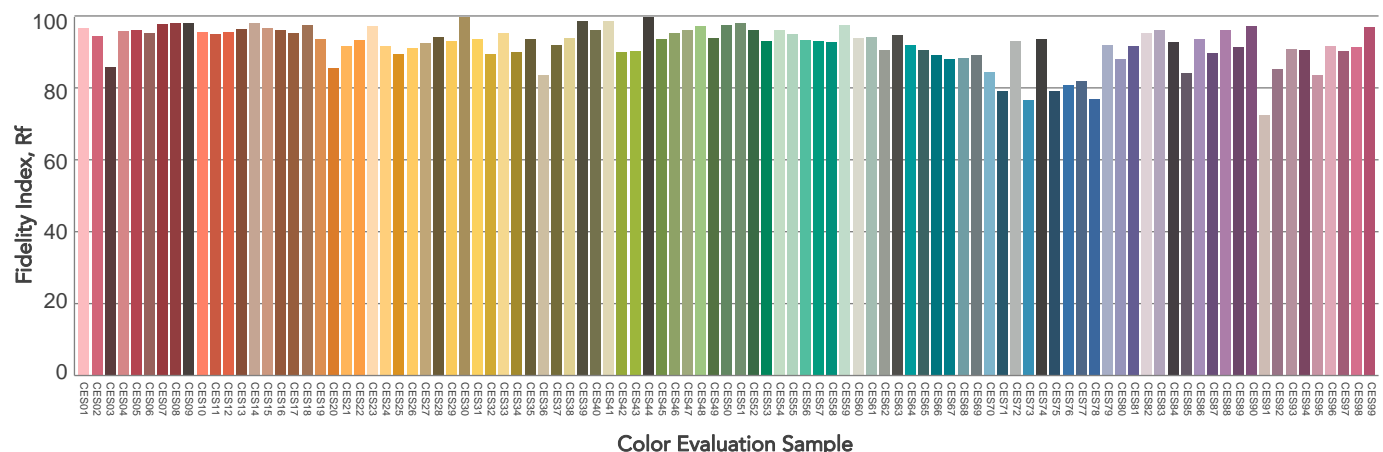
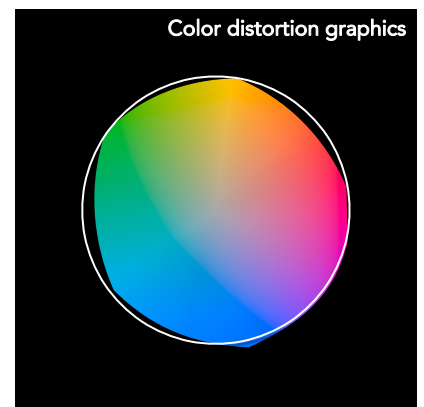
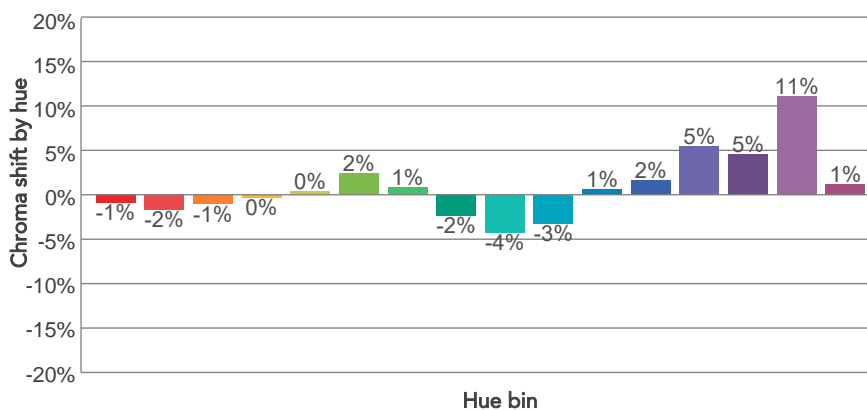
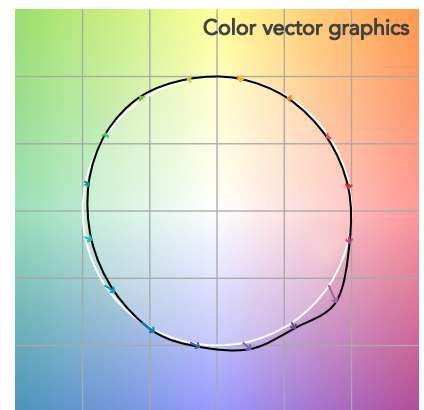
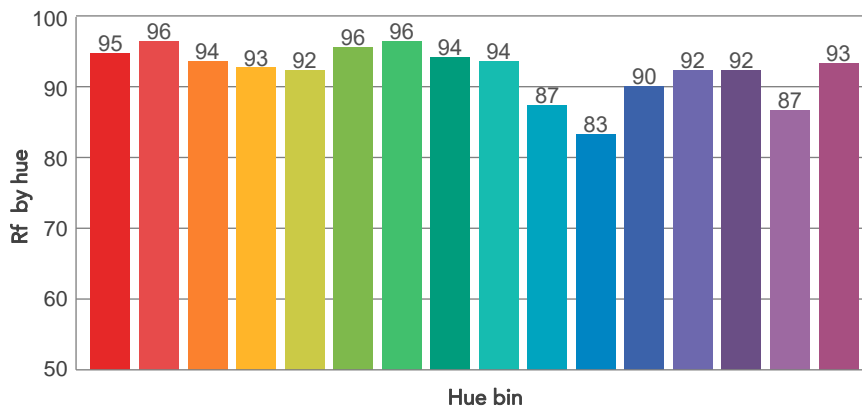
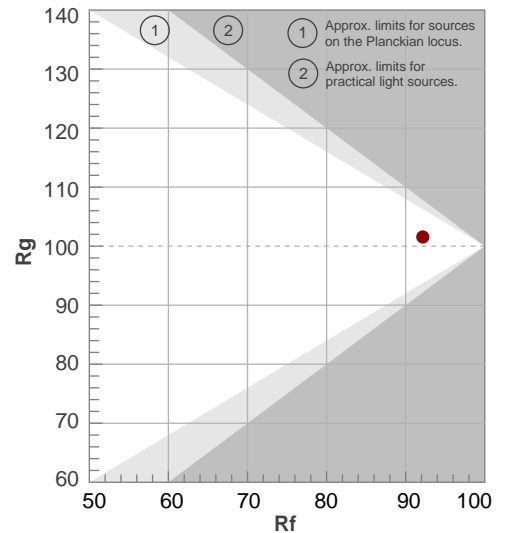
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6446 K	92,5	91,0	92,2	101,6	93,5	98	0,313	0,334	0,0024

TM30 DETAILS

Rf 92,2
Fidelity index Rf

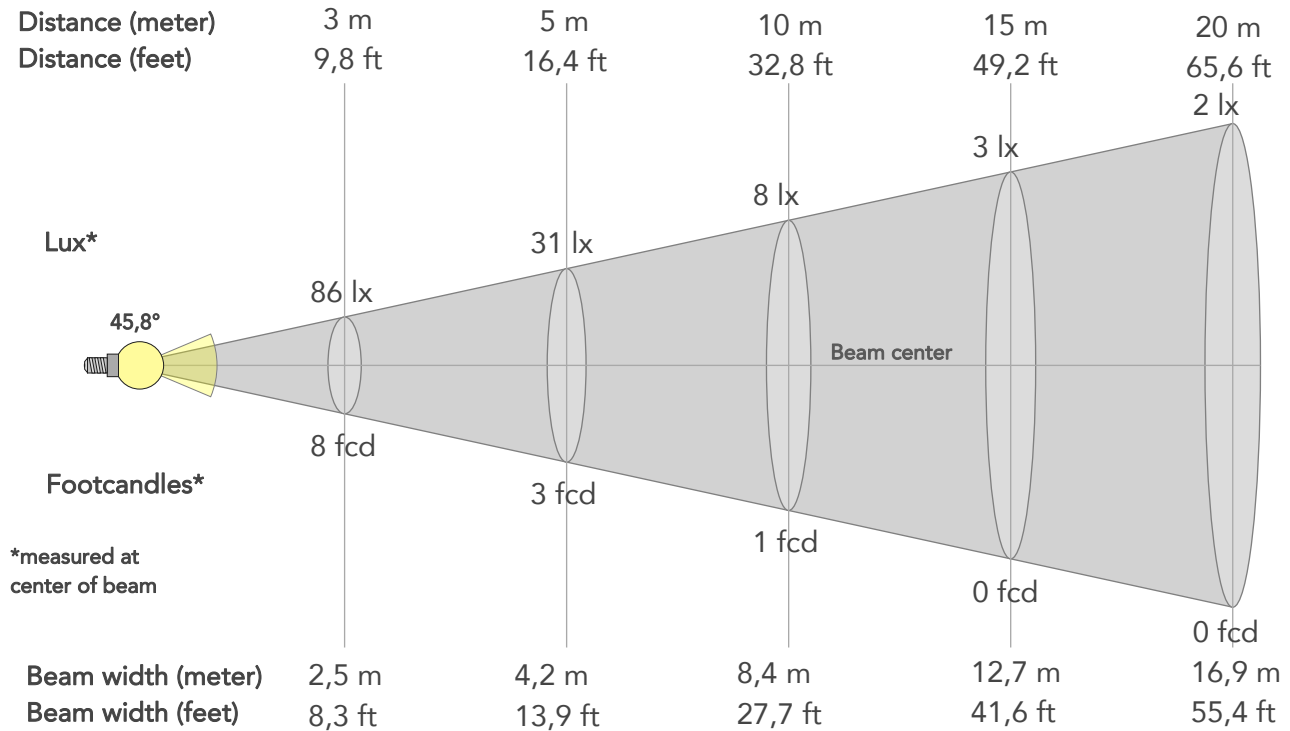
Rg 101,6
Gammut index

		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	95	-1%	-2%
2	96	-2%	0%
3	94	-1%	3%
4	93	0%	4%
5	92	0%	2%
6	96	2%	0%
7	96	1%	-2%
8	94	-2%	-2%
9	94	-4%	3%
10	87	-3%	7%
11	83	1%	11%
12	90	2%	7%
13	92	5%	4%
14	92	5%	0%
15	87	11%	-7%
16	93	1%	-4%



BEAM DETAILS

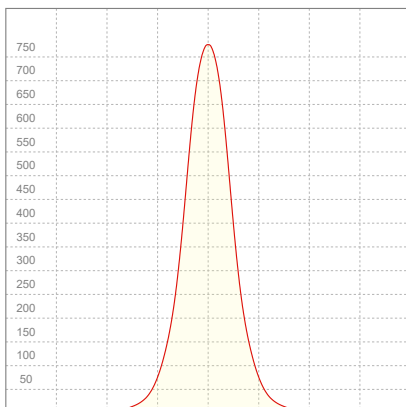
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,8°	89,5°	125,1°	95,1%	86,1%



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	775lx	194lx	86lx	48lx	31lx	14lx	8lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	72fcd	18fcd	8fcd	4fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,4m	4,2m	6,3m	8,4m	12,7m	16,9m	21,1m	25,3m	33,8m	42,2m
Beam wid.	2,8ft	5,6ft	8,3ft	11,1ft	13,9ft	20,8ft	27,7ft	41,6ft	55,4ft	69,3ft	83,1ft	110,8ft	138,5ft

LINEAR DISTRIBUTION DIAGRAM

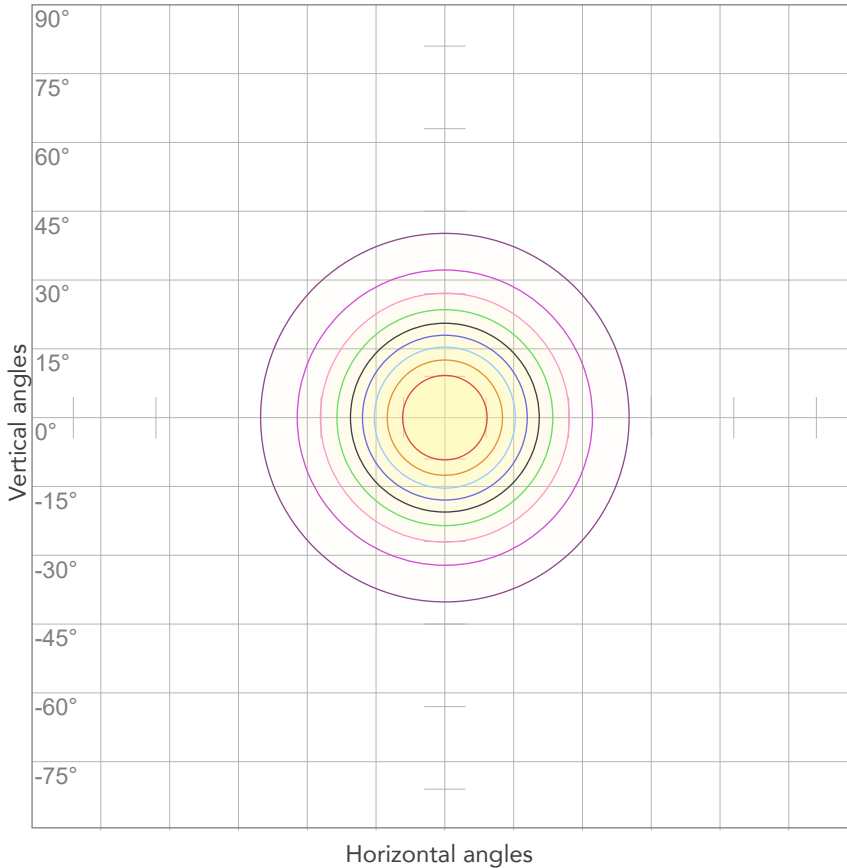


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,081A	13,2W	0,72	46lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



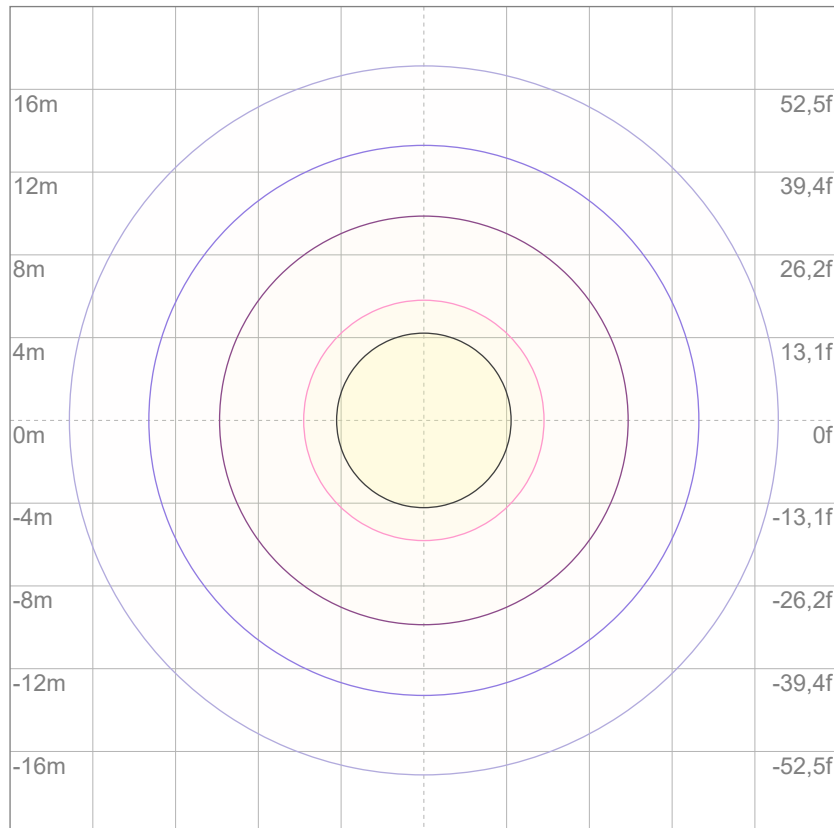
10%	77 cd
20%	155 cd
30%	232 cd
40%	310 cd
50%	387 cd
60%	465 cd
70%	542 cd
80%	620 cd

Conditions:

Number of c-planes: 2

Candela at center: 775 cd

ISO LUX DIAGRAM



3%	0,232 lx
5%	0,387 lx
10%	0,775 lx
30%	2,32 lx
50%	3,87 lx

Conditions:

Number of c-planes: 2

Lux at center: 7,75 lx

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



Total lumen output:

629 lm

Peak candela output:

554 cd

Light quality:

CRI: 92,8

Color temperature:

6459 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

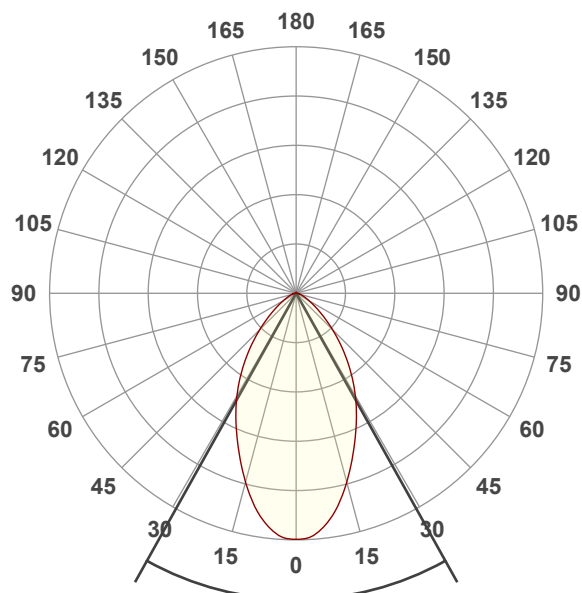
Cold White

Operator:

Salvatore Giglio

Date and time:

29/02/2024 12:56:08

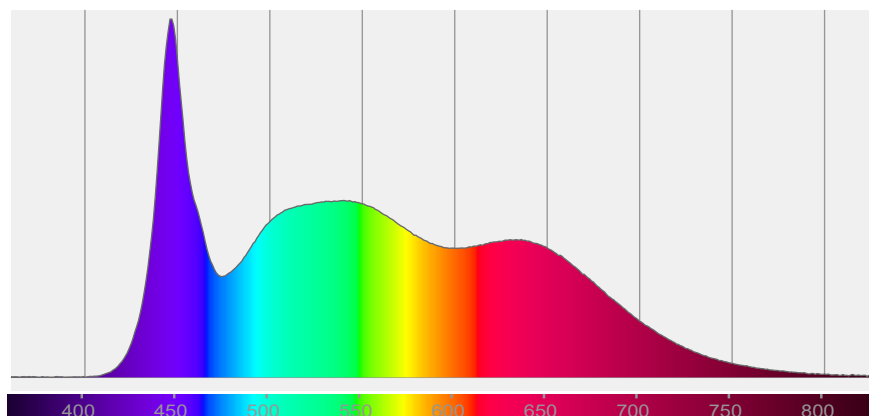


Beam angle 50%: 58,3°

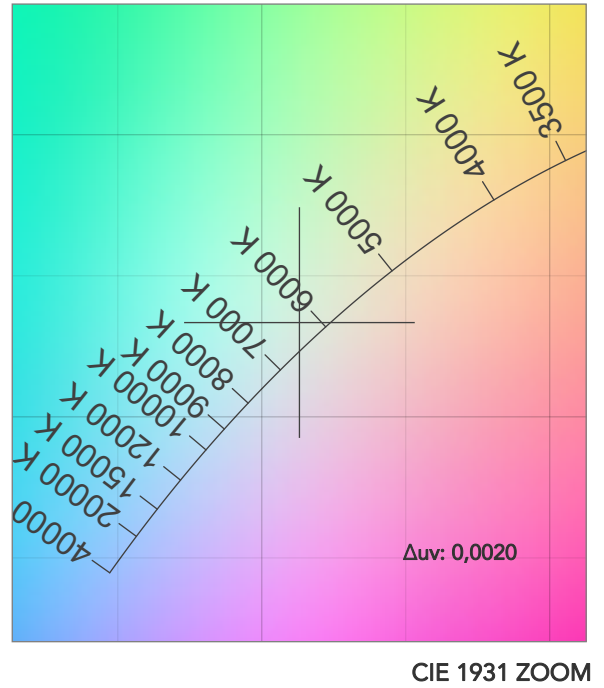
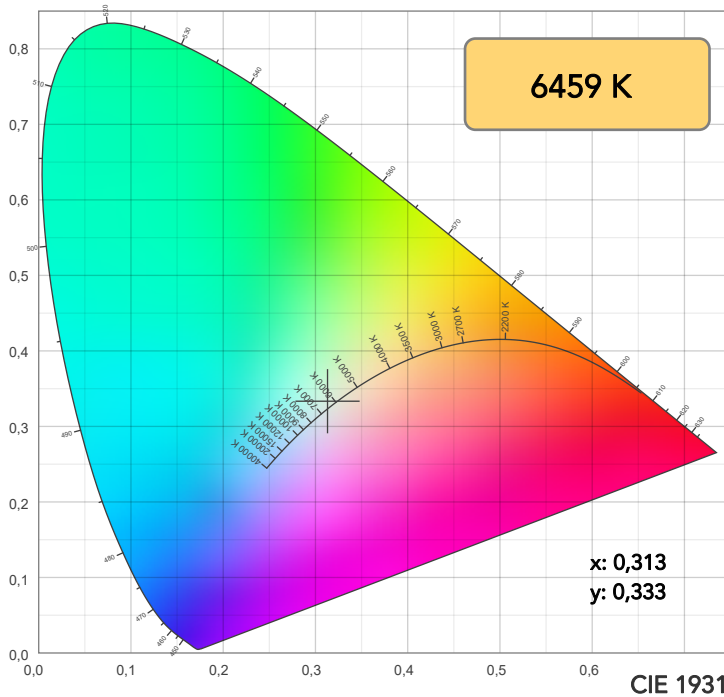
Field angle 10%: 108,7°

Cut off angle 2.5%: 142,2°

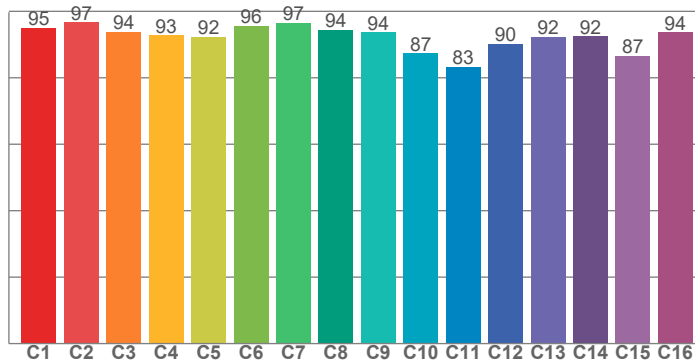
Spectra



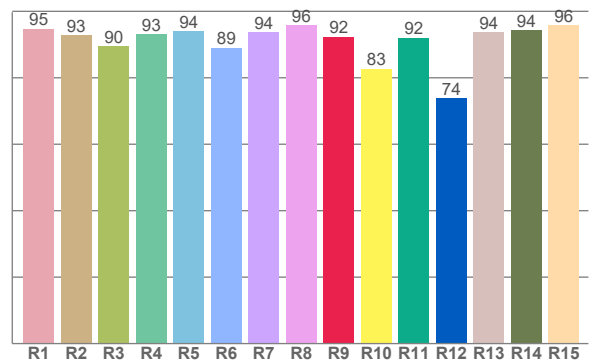
COLOR DETAILS



TM30: 92,3



CRI: 92,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,7	92,7	89,6	93,1	93,9	89,1	93,8	95,7	92,3	82,7	92,0	73,8	93,7	94,4	95,8

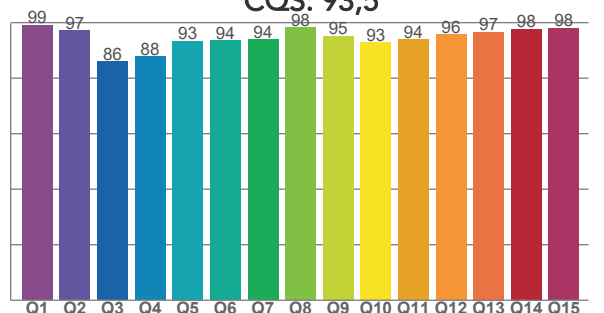
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,0	96,6	93,8	92,8	92,3	95,6	96,5	94,4	93,6	87,3	83,3	90,2	92,3	92,4	86,6	93,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,1	97,2	86,0	87,8	93,4	93,6	93,9	98,2	95,3	92,8	94,0	95,7	96,7	97,7	98,0

CQS: 93,5



COLOR PARAMETERS

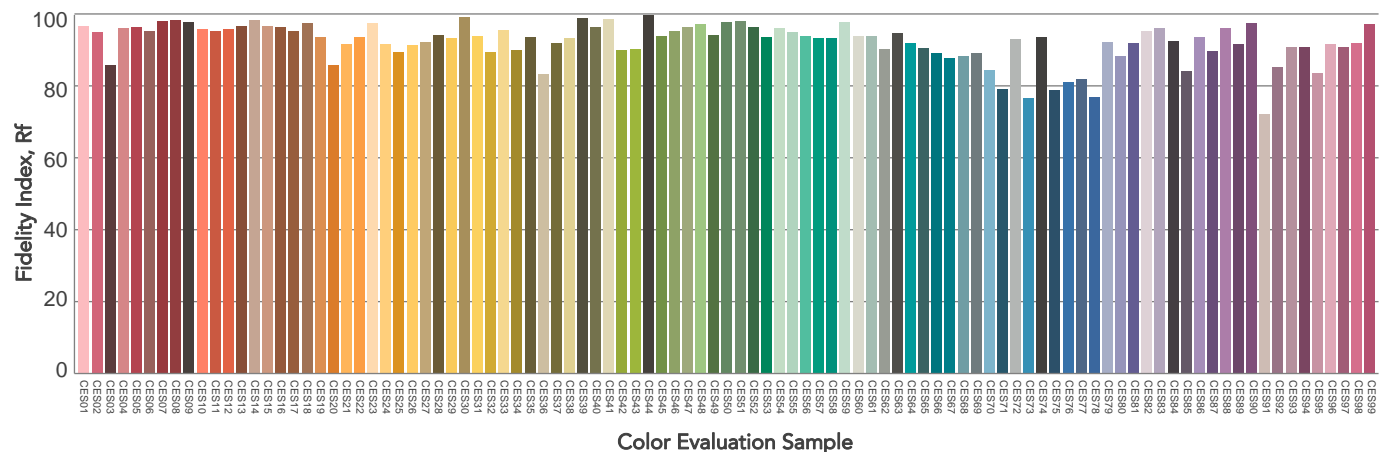
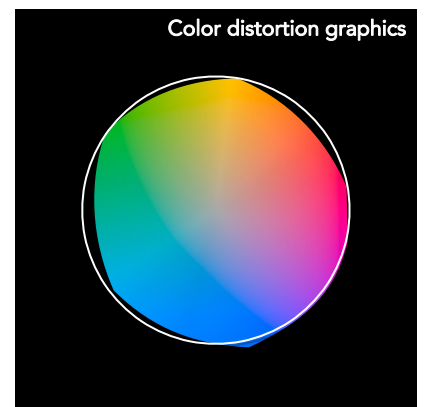
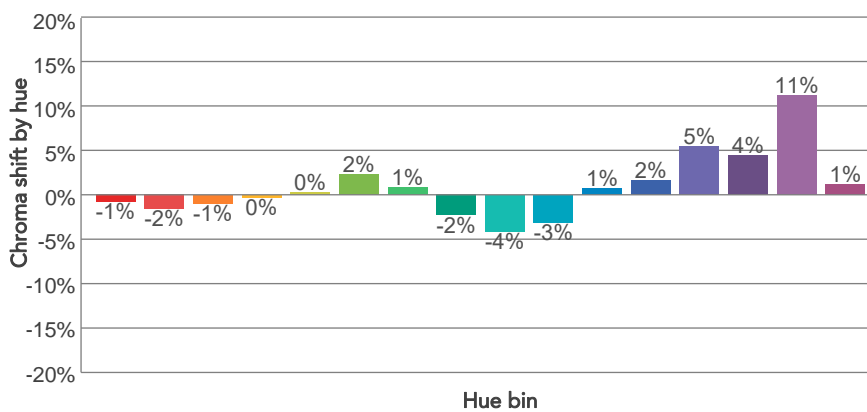
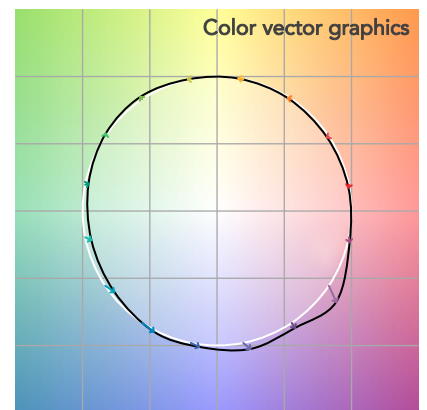
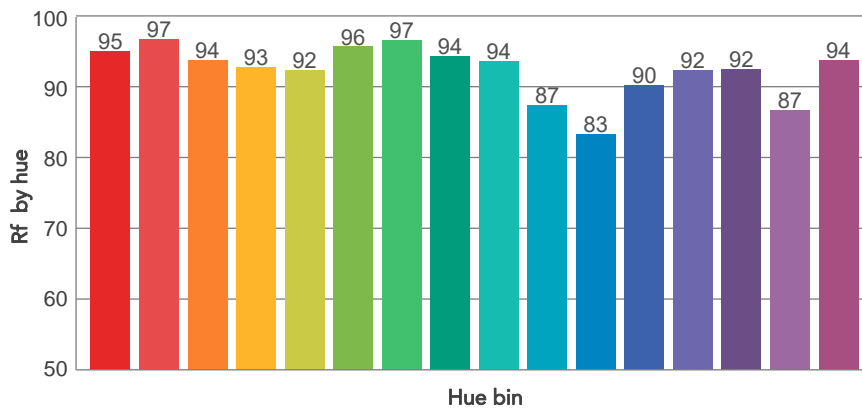
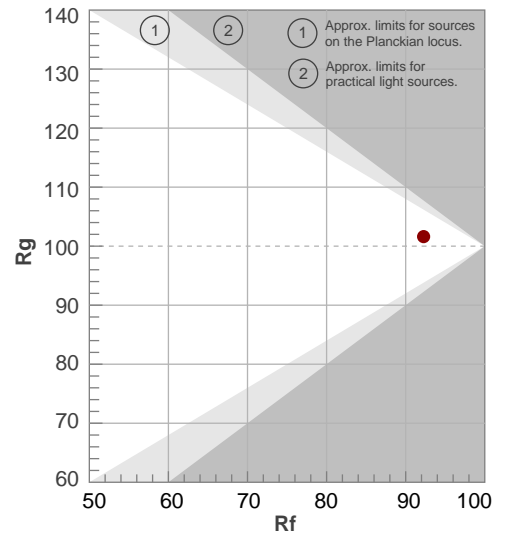
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6459 K	92,8	92,3	92,3	101,6	93,5	98	0,313	0,333	0,0020

TM30 DETAILS

Rf 92,3
Fidelity index Rf

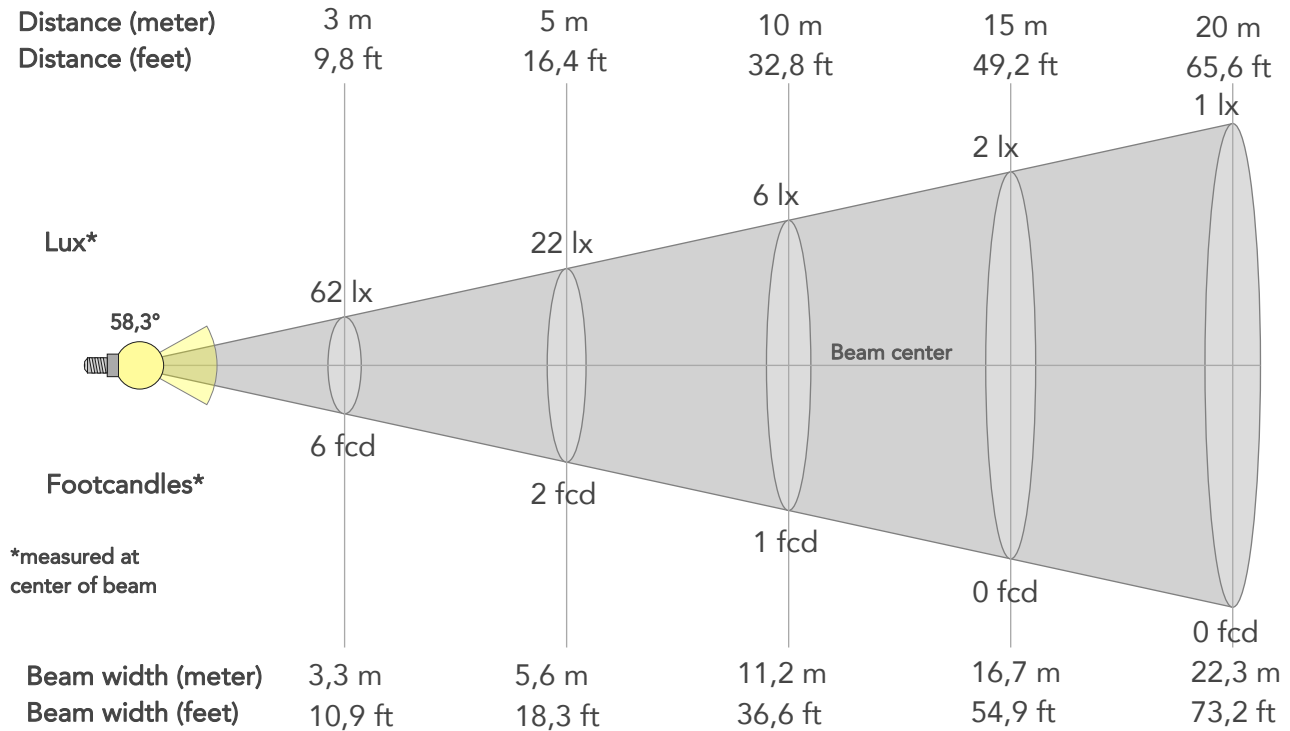
Rg 101,6
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-2%
2	97	-2%	0%
3	94	-1%	3%
4	93	0%	4%
5	92	0%	2%
6	96	2%	0%
7	97	1%	-2%
8	94	-2%	-1%
9	94	-4%	3%
10	87	-3%	7%
11	83	1%	11%
12	90	2%	7%
13	92	5%	4%
14	92	4%	0%
15	87	11%	-7%
16	94	1%	-4%



BEAM DETAILS

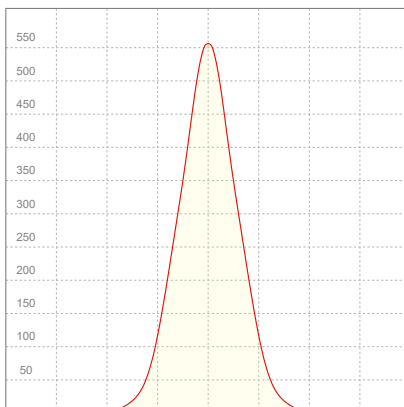
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,3°	108,7°	142,2°	94,2%	80,4%



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	554lx	138lx	62lx	35lx	22lx	10lx	6lx	2lx	1lx	1lx	1lx	0lx	0lx
Footcand.	51fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,5m	5,6m	8,4m	11,2m	16,7m	22,3m	27,9m	33,5m	44,6m	55,8m
Beam wid.	3,7ft	7,4ft	10,9ft	14,6ft	18,3ft	27,4ft	36,6ft	54,9ft	73,2ft	91,5ft	109,8ft	146,4ft	182,9ft

LINEAR DISTRIBUTION DIAGRAM

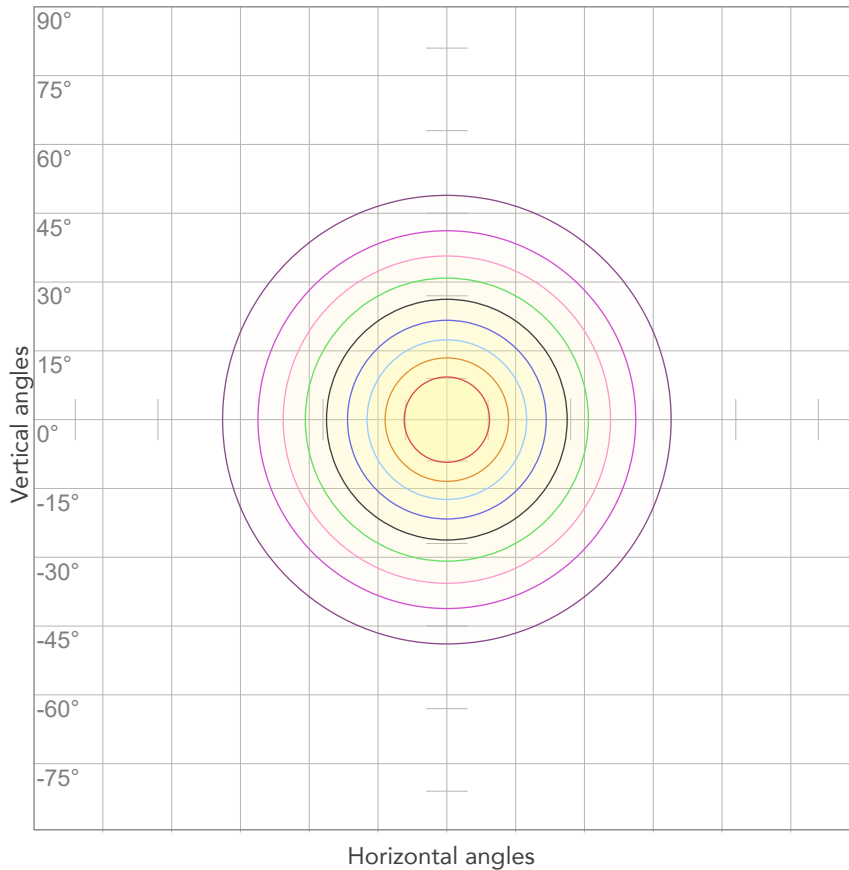


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,081A	13,2W	0,72	48lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



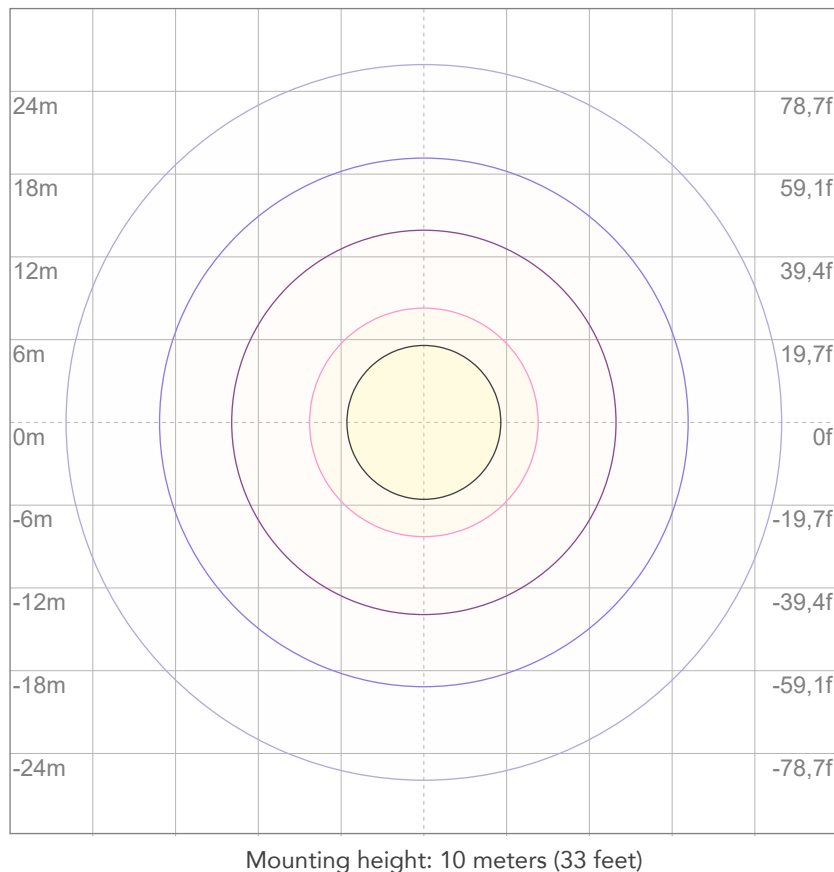
10%	55 cd
20%	111 cd
30%	166 cd
40%	221 cd
50%	277 cd
60%	332 cd
70%	388 cd
80%	443 cd

Conditions:

Number of c-planes: 2

Candela at center: 554 cd

ISO LUX DIAGRAM



3%	0,166 lx
5%	0,277 lx
10%	0,554 lx
30%	1,66 lx
50%	2,77 lx

Conditions:

Number of c-planes: 2

Lux at center: 5,54 lx

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



Total lumen output:

944 lm

Peak candela output:

1964 cd

Light quality:

CRI: 93,2

Color temperature:

6412 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

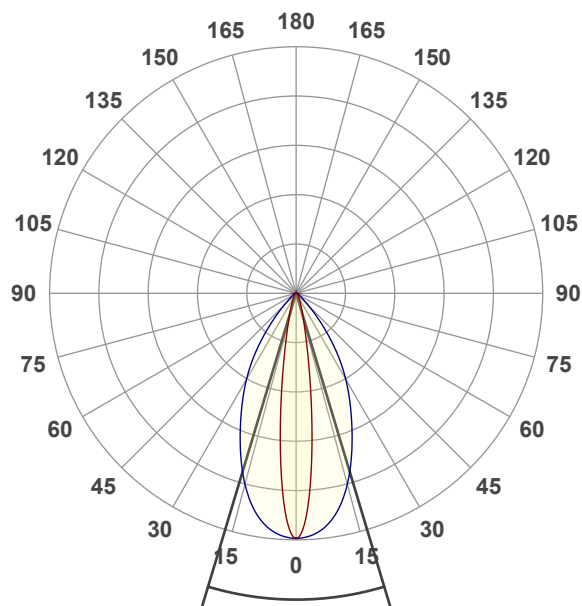
Cold White

Operator:

Salvatore Giglio

Date and time:

29/02/2024 13:36:01

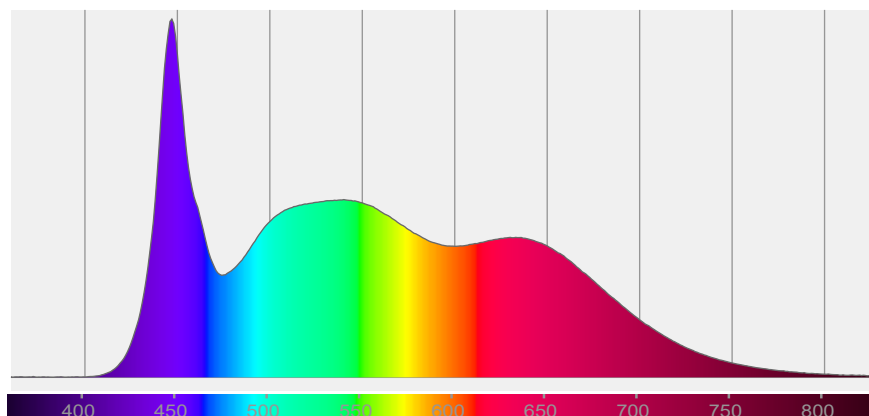


Beam angle 50%: 33,4°

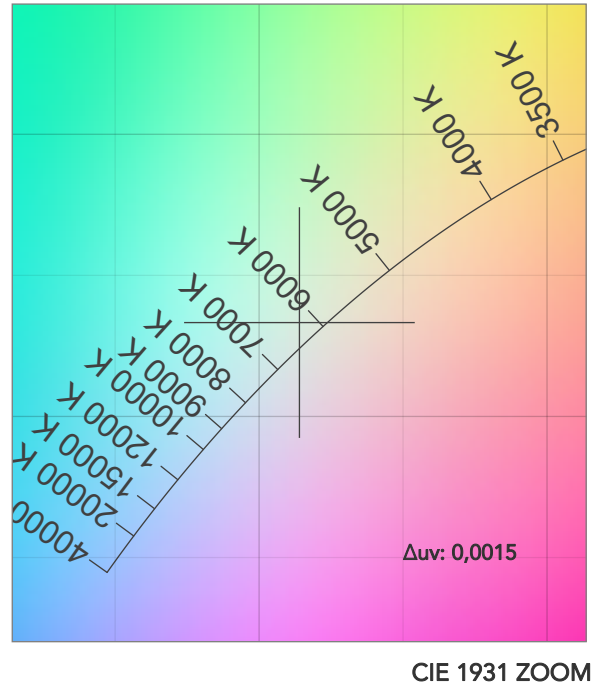
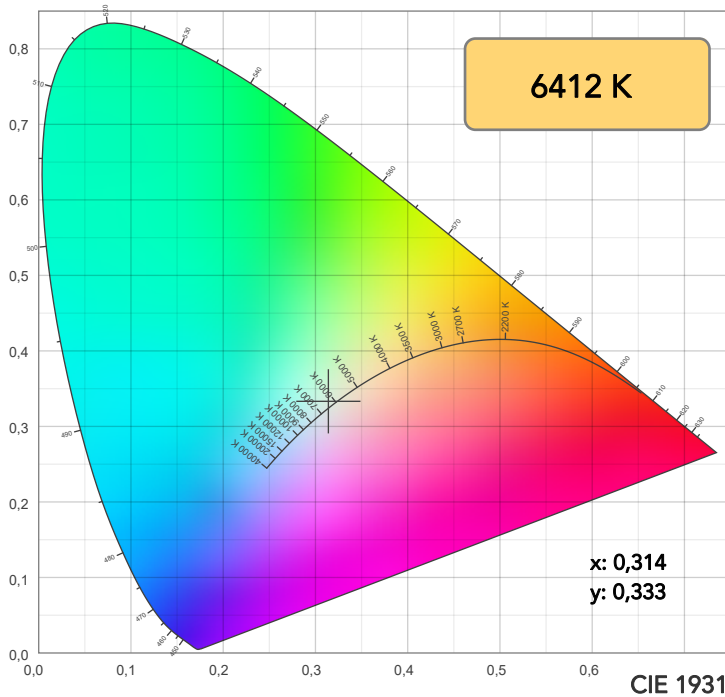
Field angle 10%: 59,4°

Cut off angle 2.5%: 82,4°

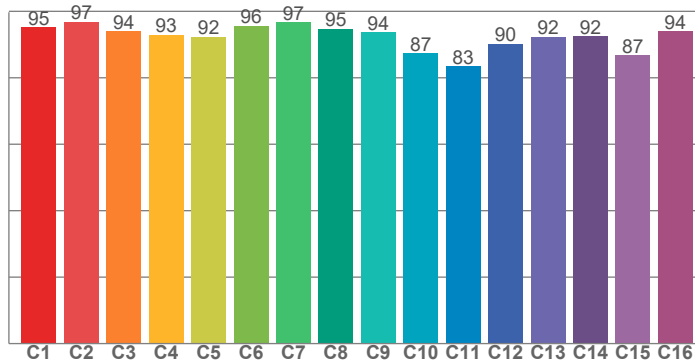
Spectra



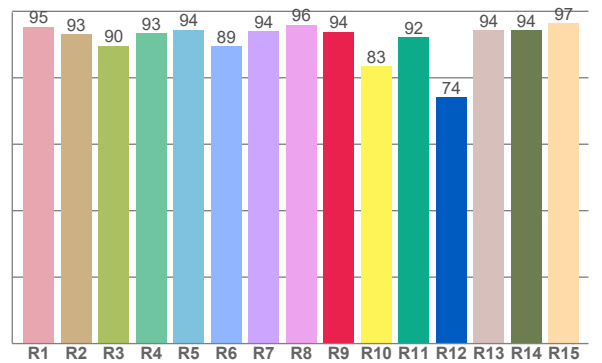
COLOR DETAILS



TM30: 92,4



CRI: 93,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,3	93,1	89,6	93,4	94,4	89,4	93,9	95,9	93,9	83,4	92,3	74,1	94,3	94,4	96,5

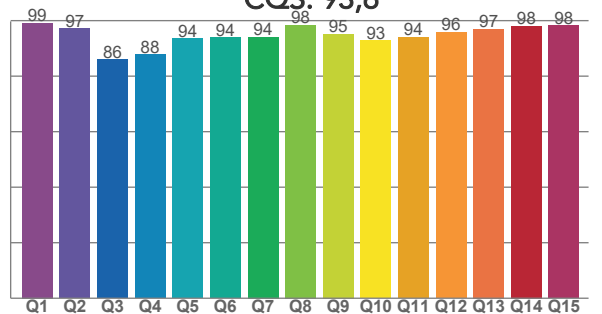
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,2	96,9	93,9	92,8	92,3	95,7	96,7	94,7	93,7	87,4	83,4	90,3	92,3	92,5	86,7	94,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,2	97,2	85,9	87,8	93,6	93,8	94,1	98,4	95,1	92,9	94,0	95,8	97,0	98,1	98,2

CQS: 93,6



COLOR PARAMETERS

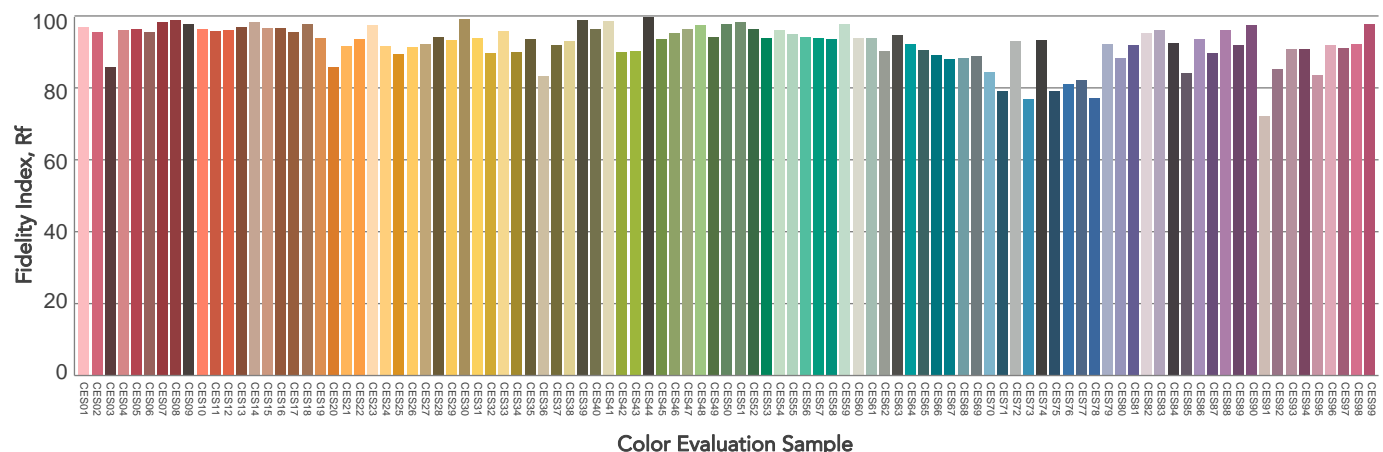
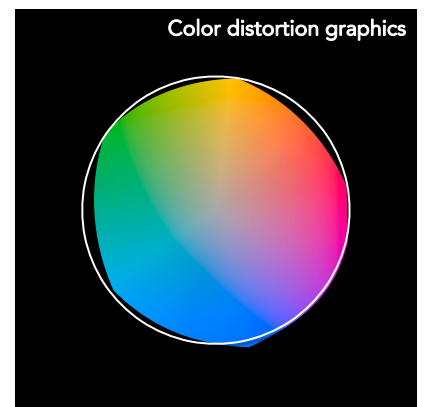
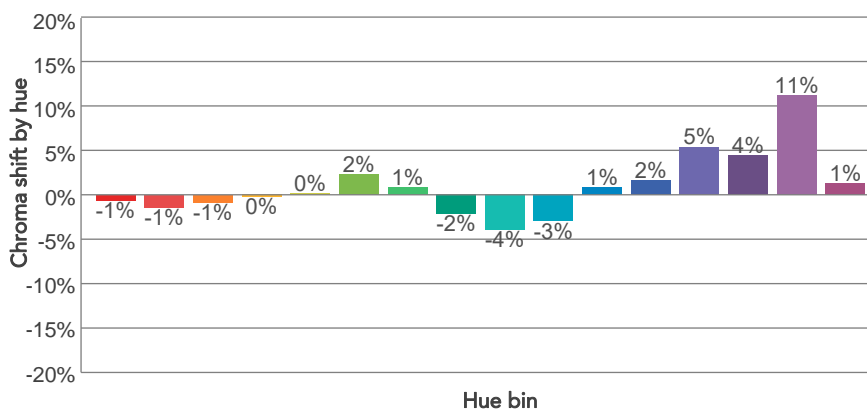
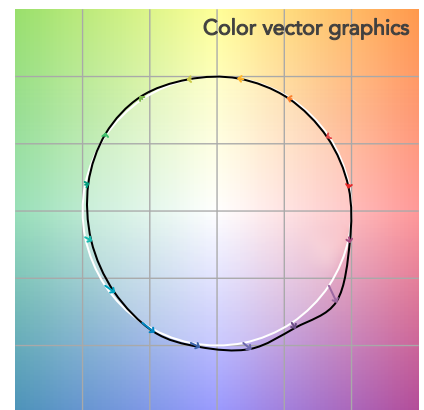
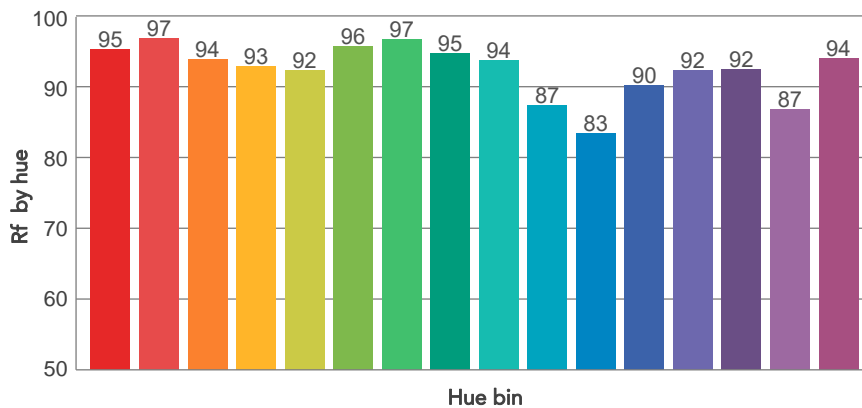
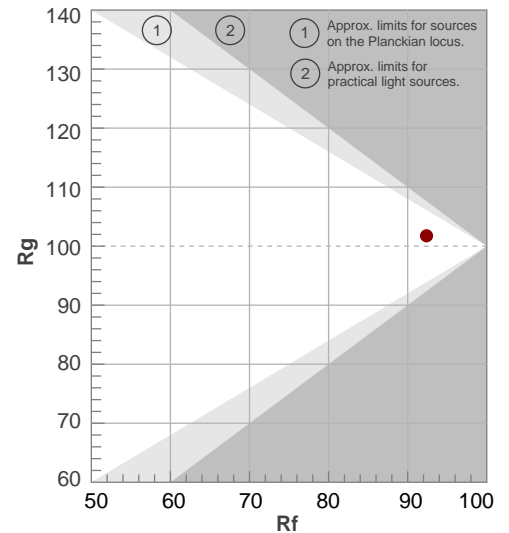
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6412 K	93,2	93,9	92,4	101,8	93,6	98	0,314	0,333	0,0015

TM30 DETAILS

Rf 92,4
Fidelity index Rf

Rg 101,8
Gammut index

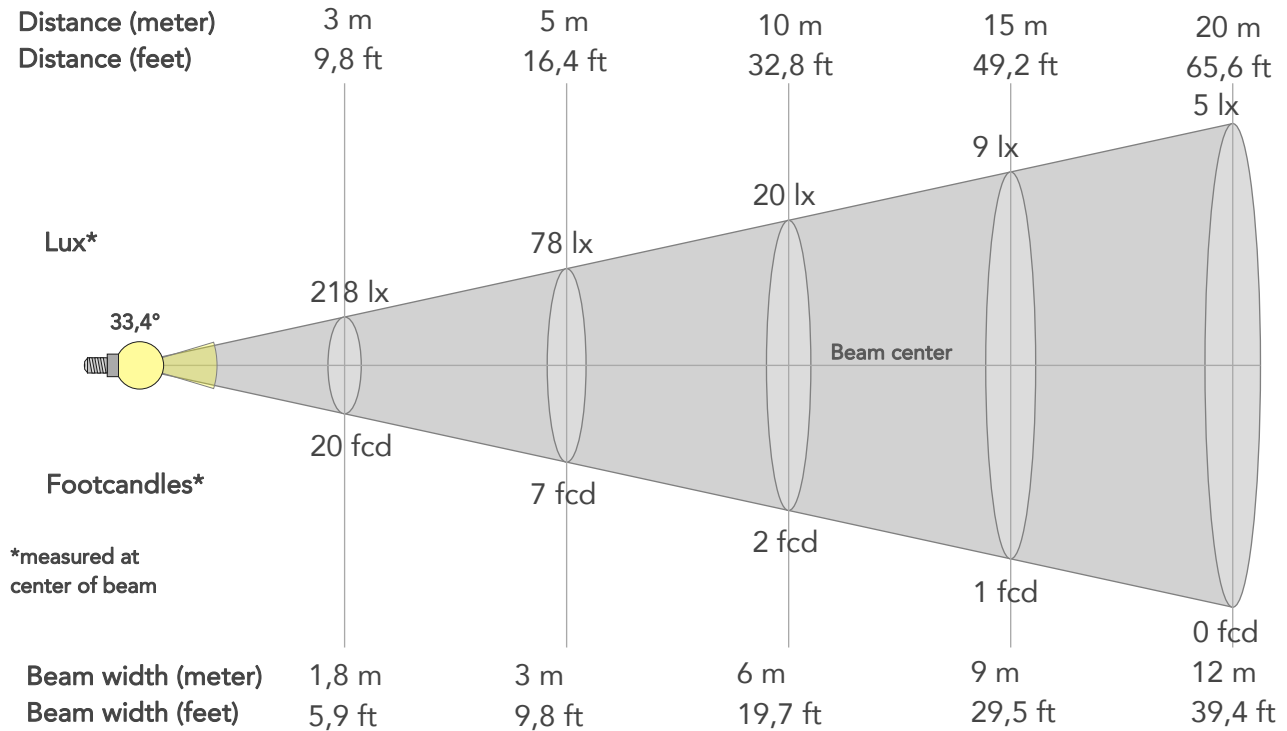
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-2%
2	97	-1%	0%
3	94	-1%	3%
4	93	0%	4%
5	92	0%	2%
6	96	2%	0%
7	97	1%	-2%
8	95	-2%	-1%
9	94	-4%	3%
10	87	-3%	7%
11	83	1%	11%
12	90	2%	7%
13	92	5%	4%
14	92	4%	0%
15	87	11%	-7%
16	94	1%	-3%



BEAM DETAILS



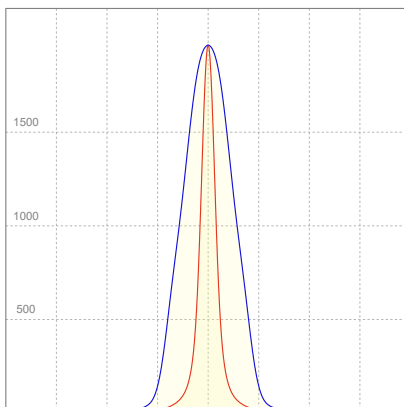
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,4°	59,4°	82,4°	97,7%	92,8%



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	1961lx	490lx	218lx	123lx	78lx	35lx	20lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	182fcd	46fcd	20fcd	11fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,8ft	14,8ft	19,7ft	29,5ft	39,4ft	49,2ft	59,1ft	78,8ft	98,5ft

LINEAR DISTRIBUTION DIAGRAM

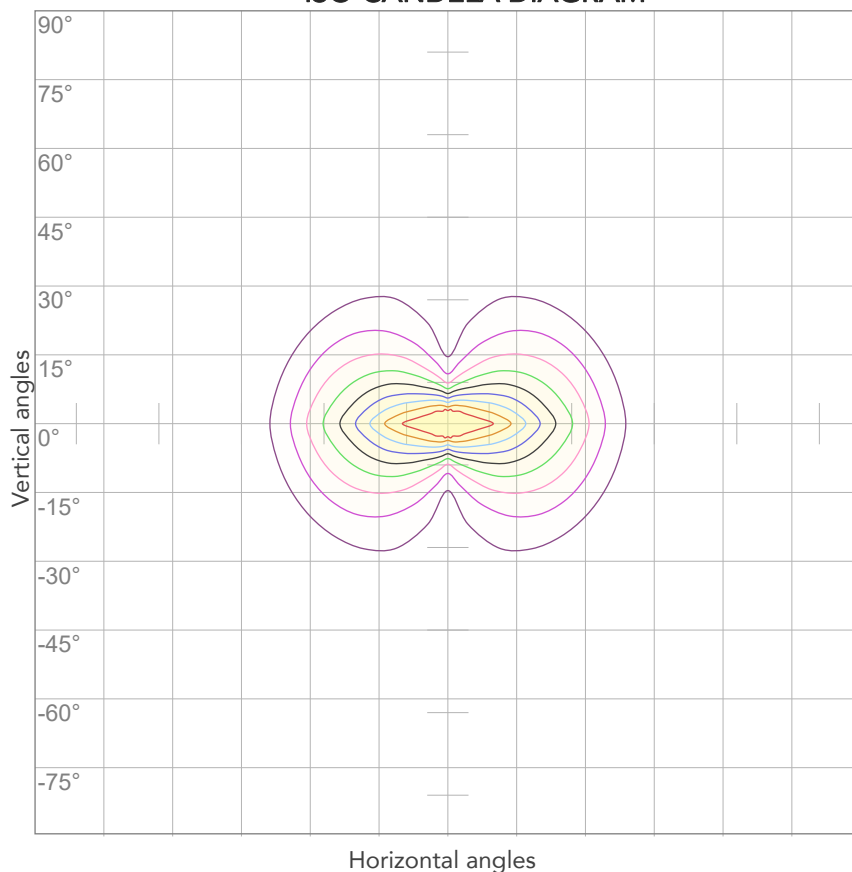


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,081A	13,2W	0,72	72lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



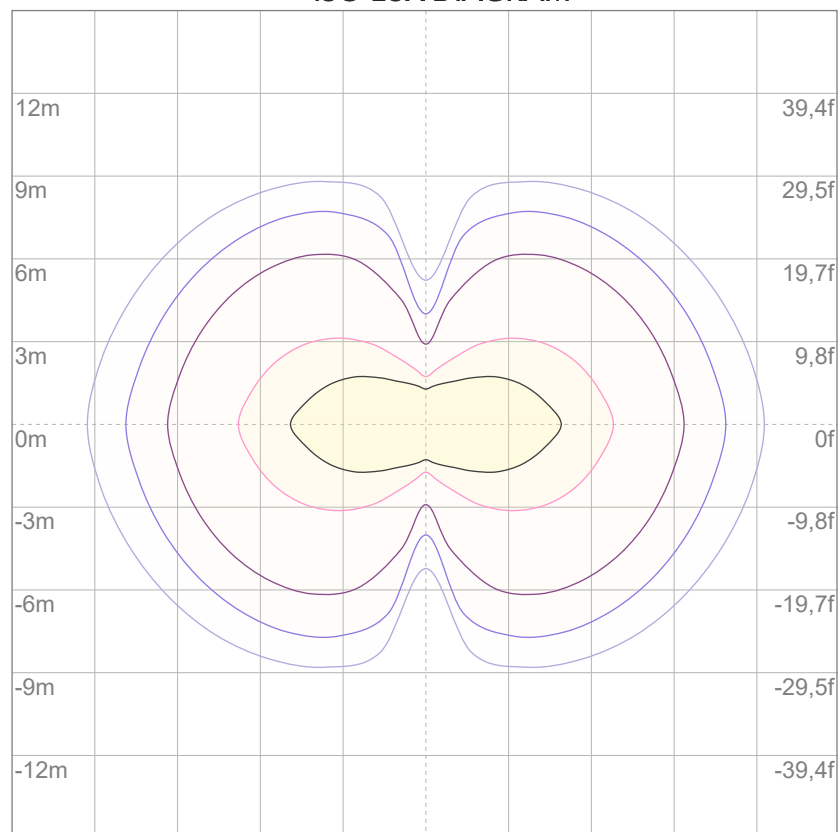
10%	196 cd
20%	392 cd
30%	588 cd
40%	784 cd
50%	981 cd
60%	1177 cd
70%	1373 cd
80%	1569 cd

Conditions:

Number of c-planes: 4

Candela at center: 1961 cd

ISO LUX DIAGRAM



3%	0,588 lx
5%	0,981 lx
10%	1,96 lx
30%	5,88 lx
50%	9,81 lx

Conditions:

Number of c-planes: 4

Lux at center: 19,6 lx

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



Total lumen output:

587 lm

Peak candela output:

981 cd

Light quality:

CRI: 92,4

Color temperature:

6448 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

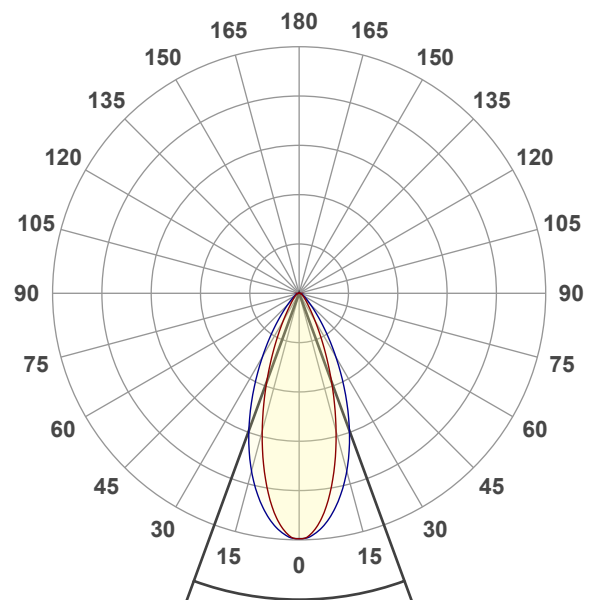
Cold White

Operator:

Salvatore Giglio

Date and time:

29/02/2024 14:43:15

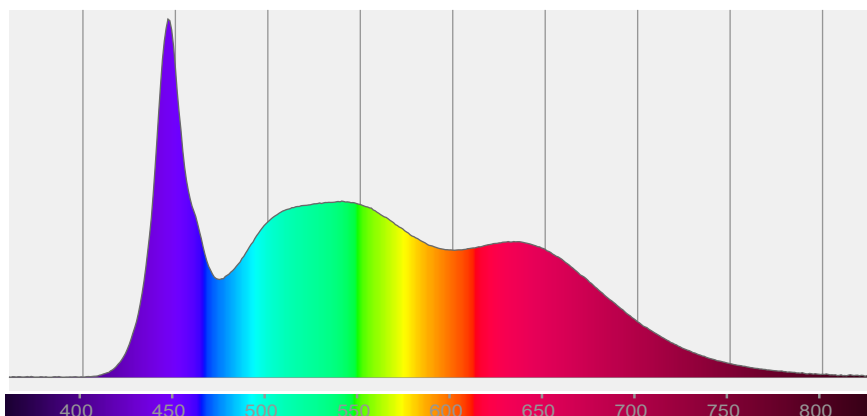


Beam angle 50%: 40,2°

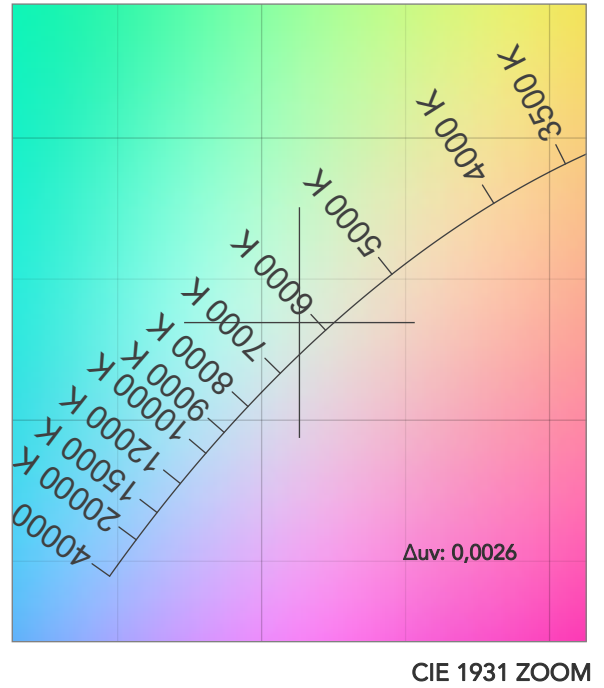
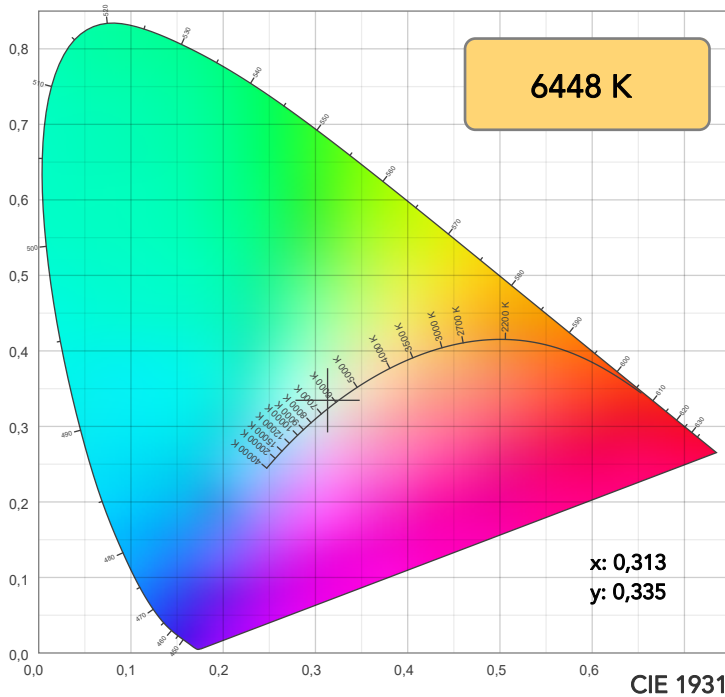
Field angle 10%: 73,4°

Cut off angle 2.5%: 108,7°

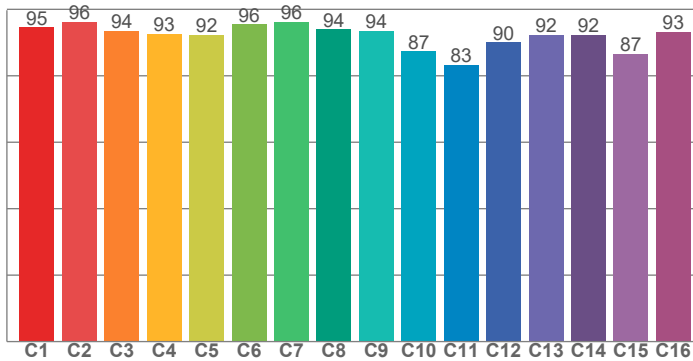
Spectra



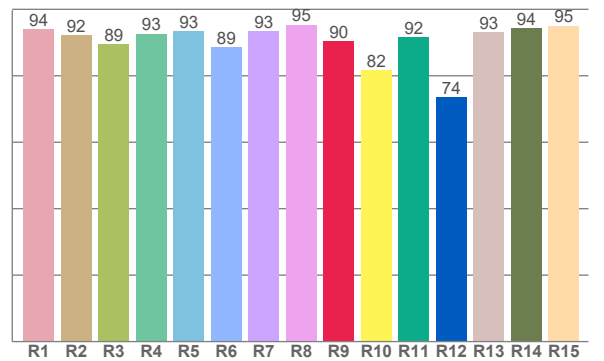
COLOR DETAILS



TM30: 92,1



CRI: 92,4 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,0	92,2	89,4	92,7	93,3	88,6	93,5	95,3	90,4	81,7	91,7	73,6	93,0	94,3	95,0

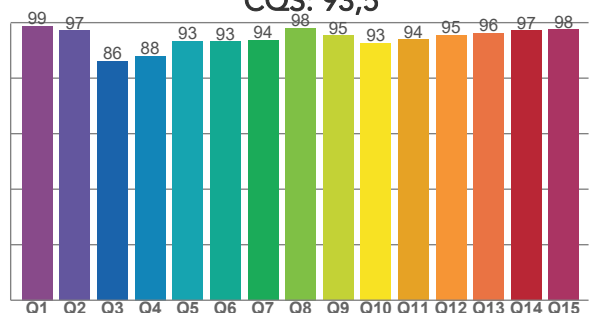
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,6	96,3	93,6	92,6	92,3	95,5	96,3	94,0	93,6	87,4	83,3	90,1	92,3	92,3	86,6	93,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,8	97,2	86,1	88,0	93,3	93,2	93,6	98,1	95,4	92,7	93,9	95,5	96,3	97,2	97,6

CQS: 93,5



COLOR PARAMETERS

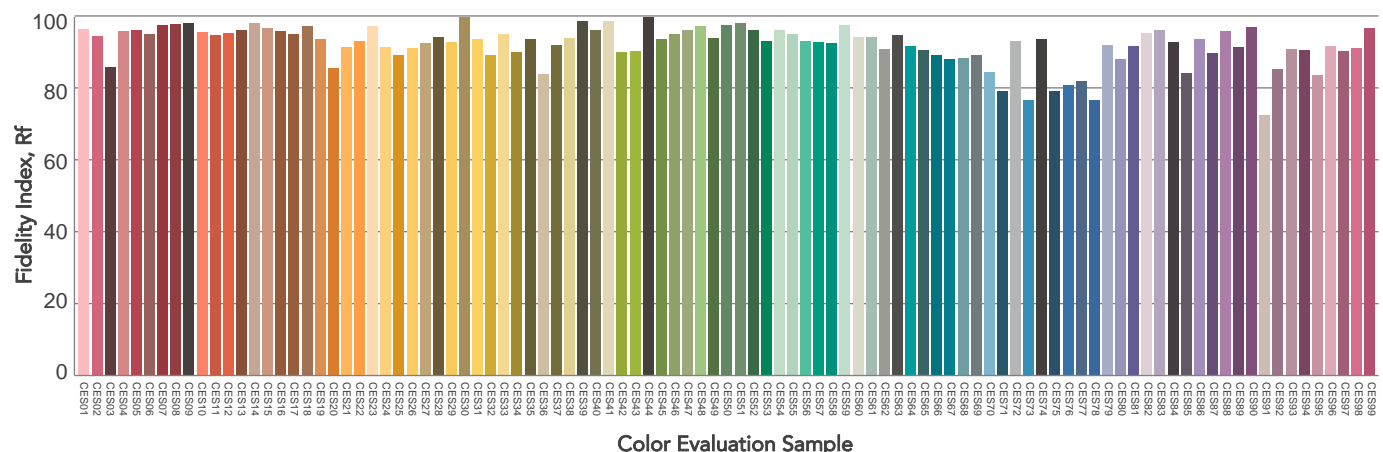
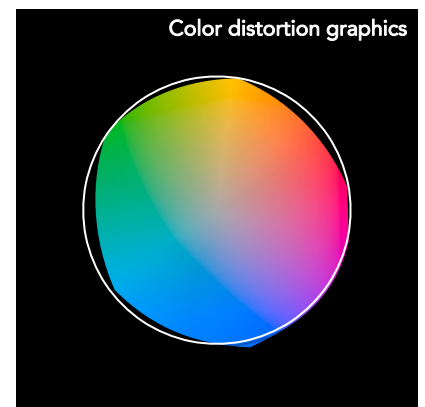
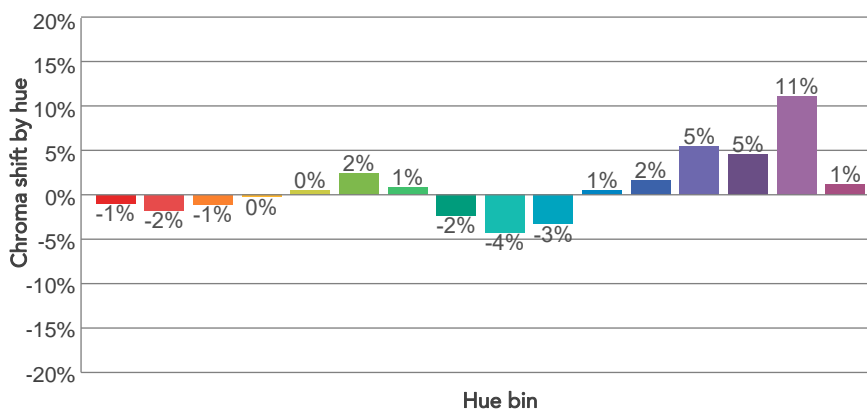
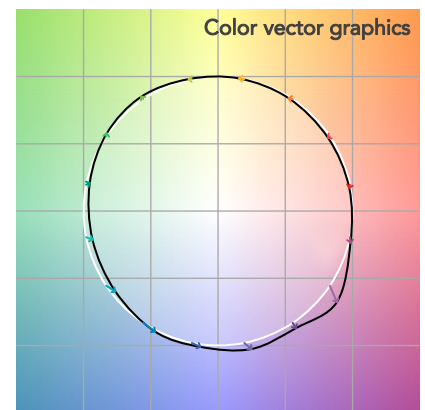
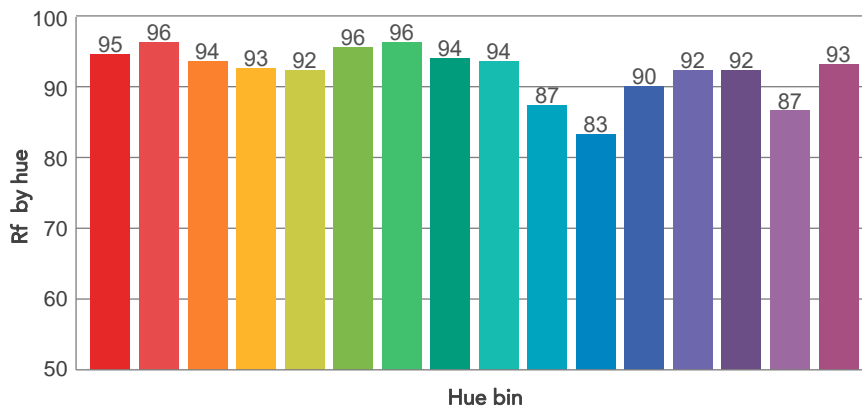
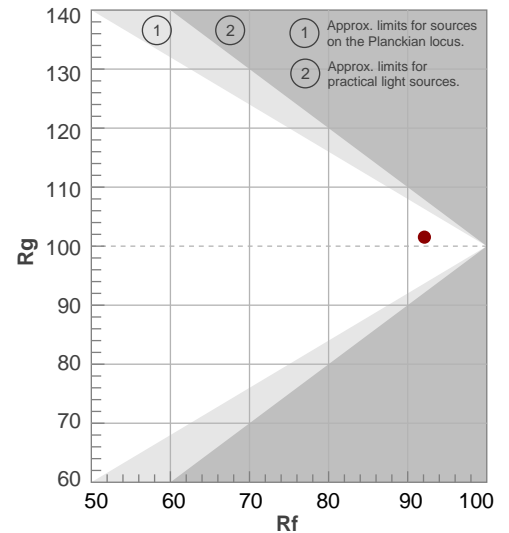
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6448 K	92,4	90,4	92,1	101,5	93,5	98	0,313	0,335	0,0026

TM30 DETAILS

Rf 92,1
Fidelity index Rf

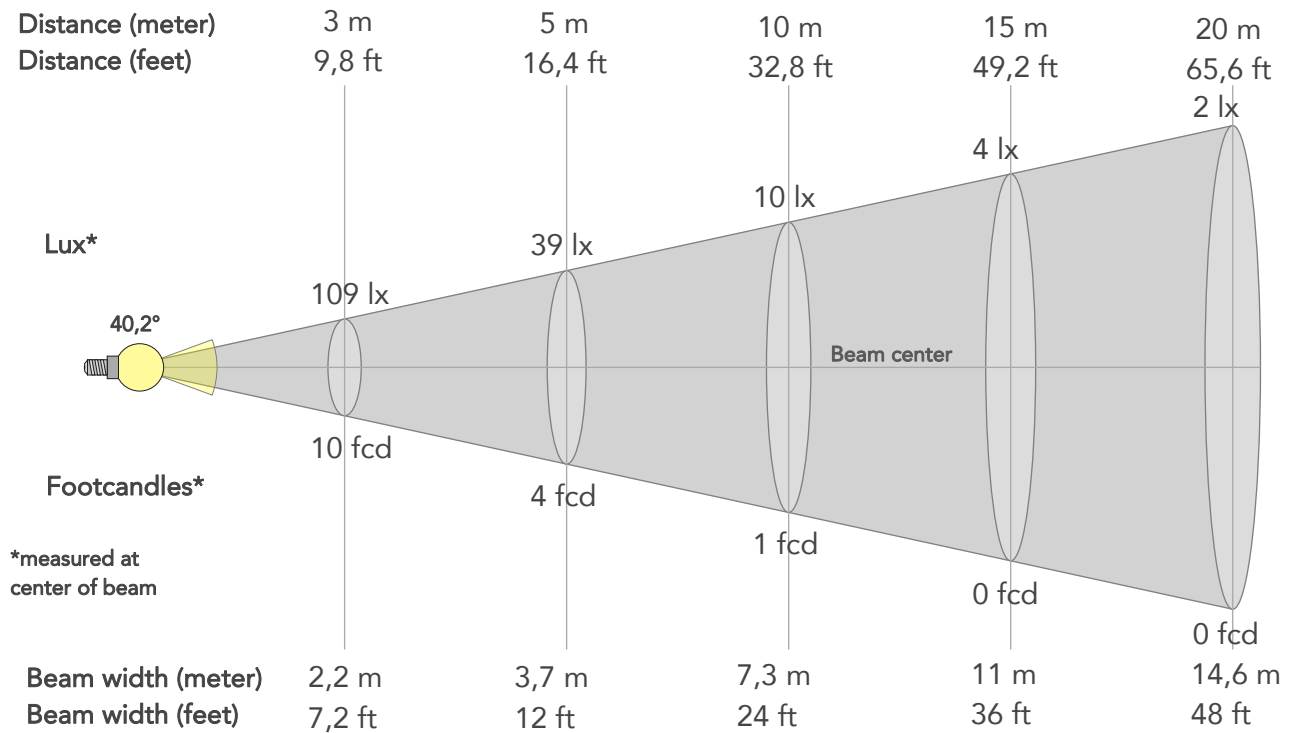
Rg 101,5
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-2%
2	96	-2%	0%
3	94	-1%	3%
4	93	0%	4%
5	92	0%	2%
6	96	2%	0%
7	96	1%	-2%
8	94	-2%	-2%
9	94	-4%	3%
10	87	-3%	7%
11	83	1%	11%
12	90	2%	7%
13	92	5%	4%
14	92	5%	0%
15	87	11%	-7%
16	93	1%	-4%



BEAM DETAILS

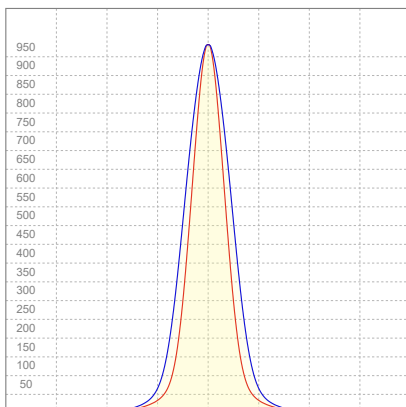
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40,2°	73,4°	108,7°	95,7%	89,0%



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	980lx	245lx	109lx	61lx	39lx	17lx	10lx	4lx	2lx	2lx	1lx	1lx	0lx
Footcand.	91fcd	23fcd	10fcd	6fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	2,9m	3,7m	5,5m	7,3m	11m	14,6m	18,3m	22m	29,3m	36,6m
Beam wid.	2,4ft	4,8ft	7,2ft	9,6ft	12ft	18ft	24ft	36ft	48ft	60ft	72ft	96,1ft	120,1ft

LINEAR DISTRIBUTION DIAGRAM

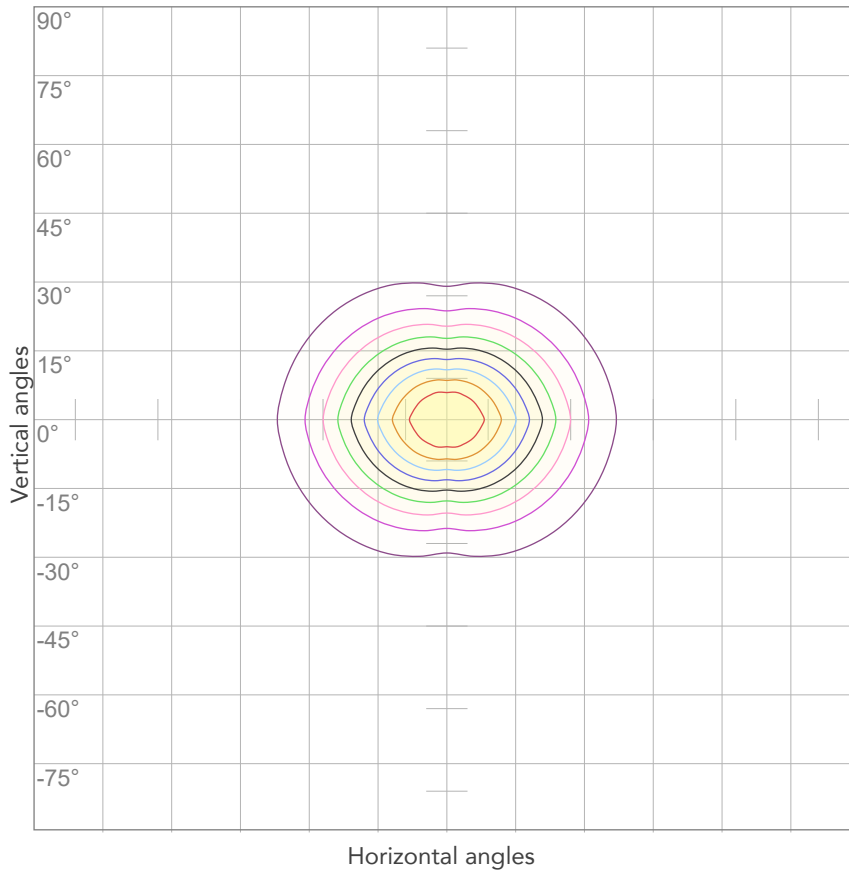


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,081A	13,2W	0,71	44lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



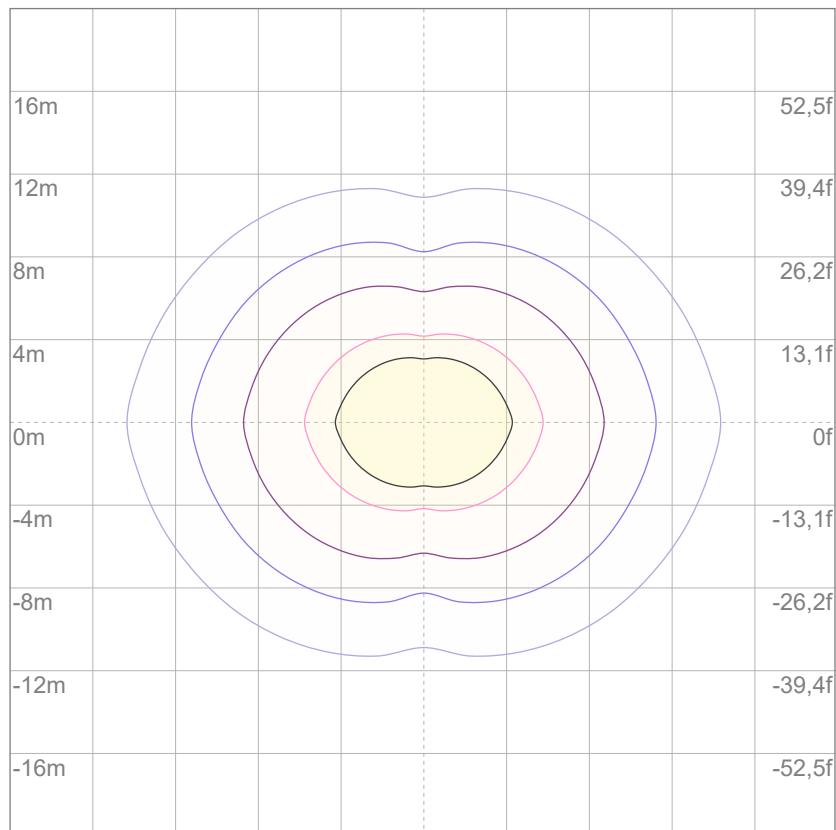
10%	98 cd
20%	196 cd
30%	294 cd
40%	392 cd
50%	490 cd
60%	588 cd
70%	686 cd
80%	784 cd

Conditions:

Number of c-planes: 4

Candela at center: 980 cd

ISO LUX DIAGRAM



3%	0,294 lx
5%	0,490 lx
10%	0,980 lx
30%	2,94 lx
50%	4,90 lx

Conditions:

Number of c-planes: 4

Lux at center: 9,80 lx

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



Total lumen output:

505 lm

Peak candela output:

10267 cd

Light quality:

CRI: 96,6

Color temperature:

2684 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

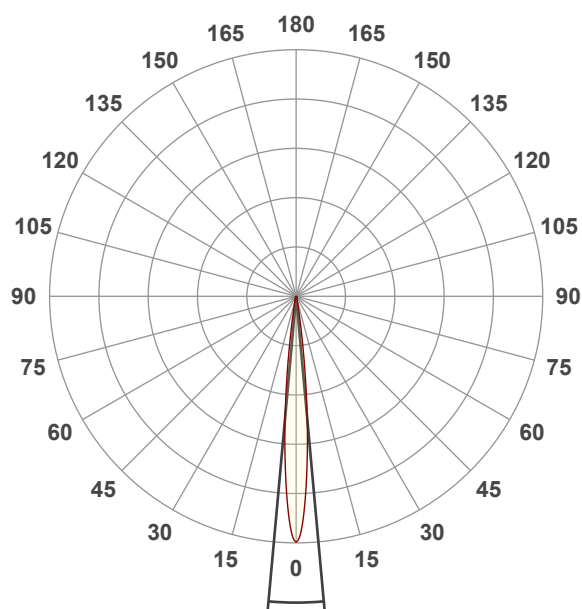
2700K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 11:30:06

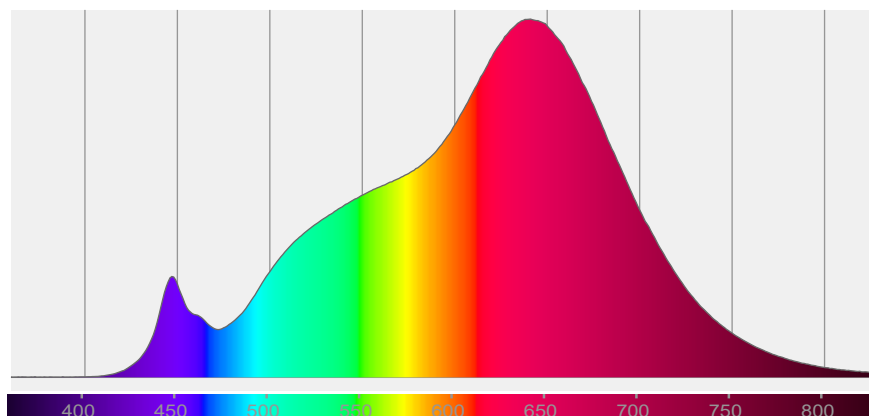


Beam angle 50%: 10,4°

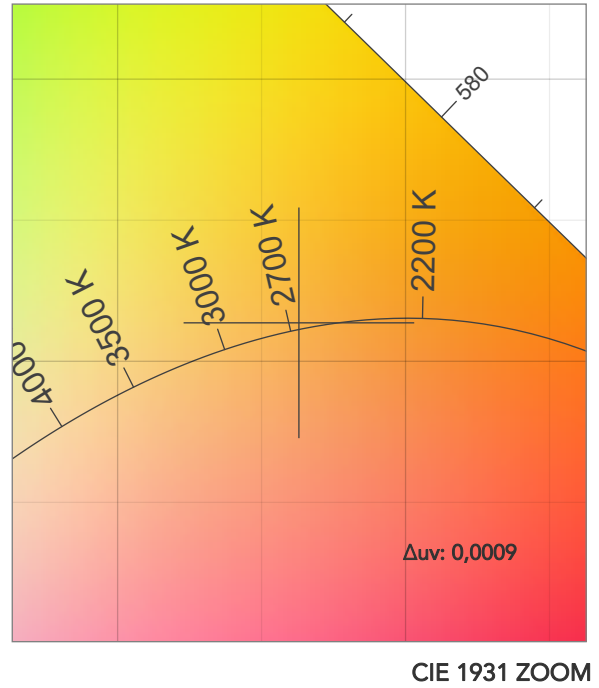
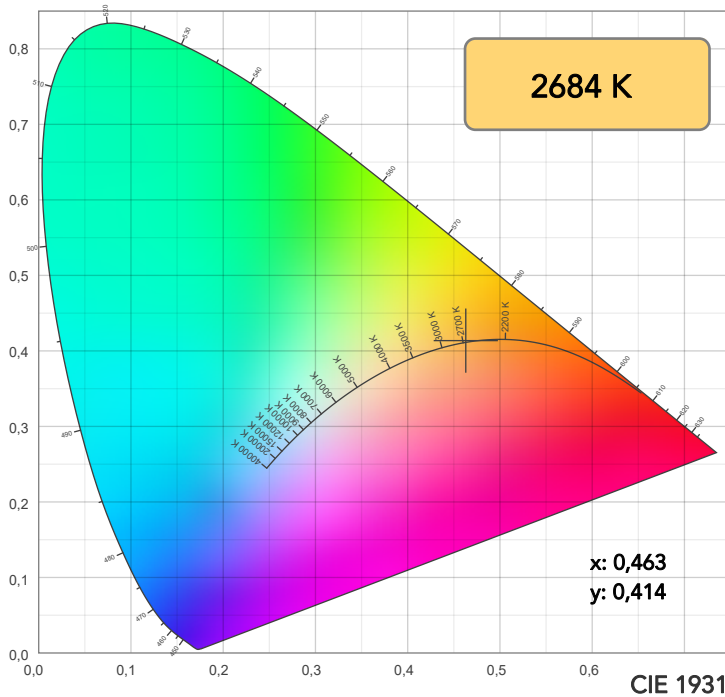
Field angle 10%: 18,3°

Cut off angle 2.5%: 26,4°

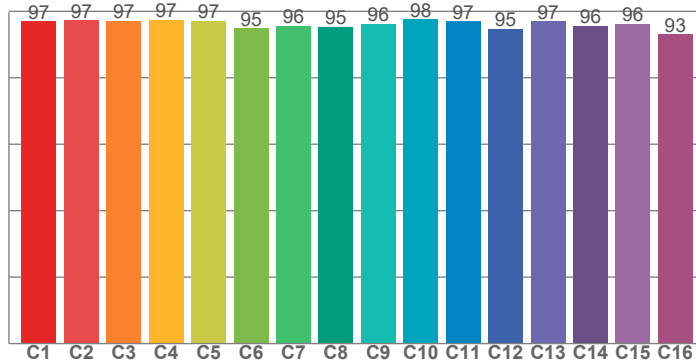
Spectra



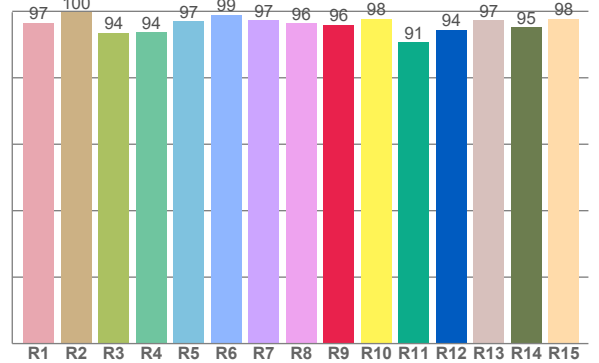
COLOR DETAILS



TM30: 96,4



CRI: 96,6 (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
96,6	99,7	93,5	93,7	97,0	99,0	97,3	96,3	96,0	97,7	90,6	94,5	97,4	95,3	97,8

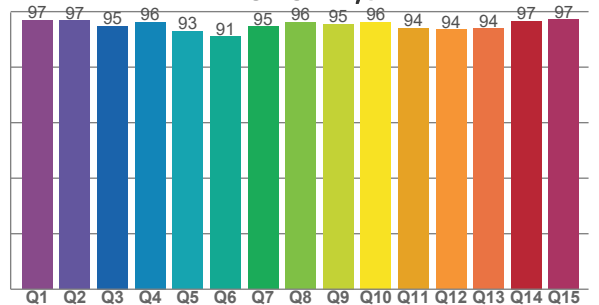
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,9	96,8	94,9	96,2	92,9	90,9	94,7	96,2	95,5	96,2	94,0	93,6	93,9	96,6	97,1

CQS: 94,6



COLOR PARAMETERS

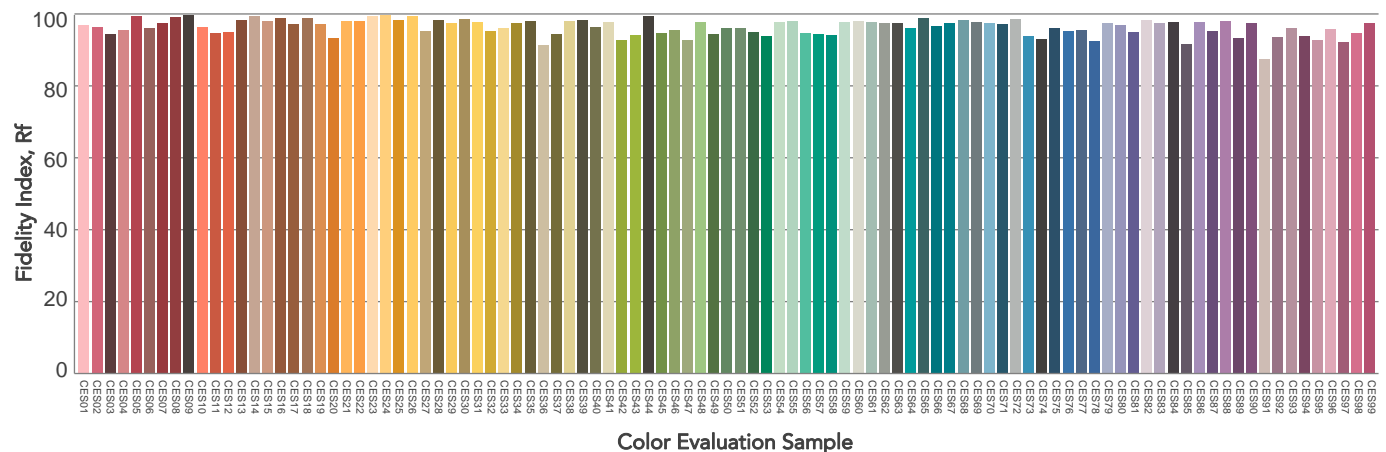
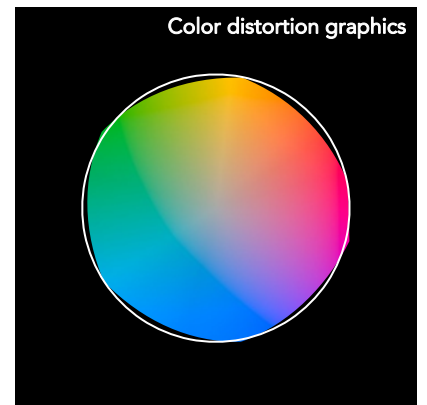
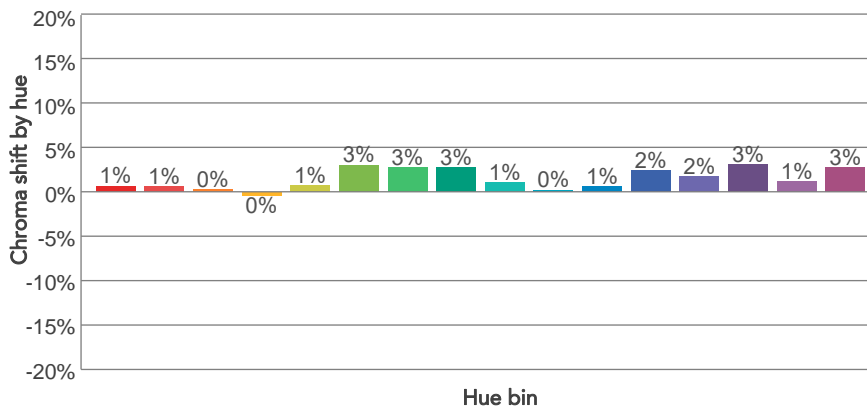
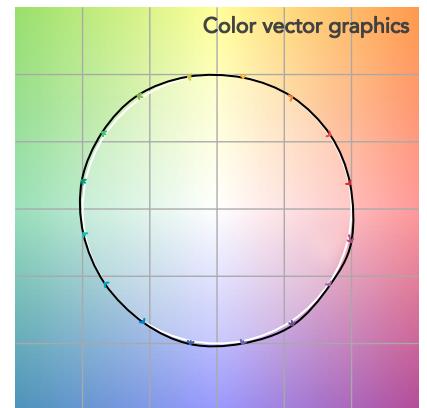
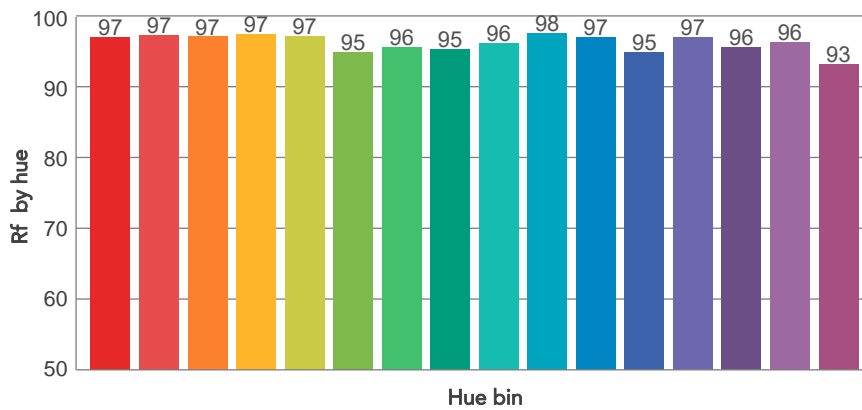
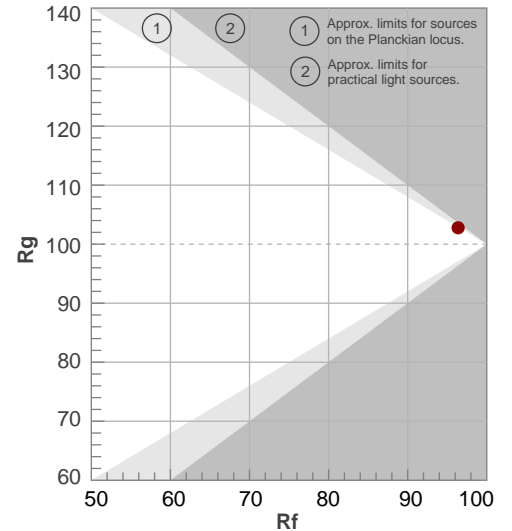
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2684 K	96,6	96,0	96,4	102,8	94,6	98	0,463	0,414	0,0009

TM30 DETAILS

Rf 96,4
Fidelity index Rf

Rg 102,8
Gammut index

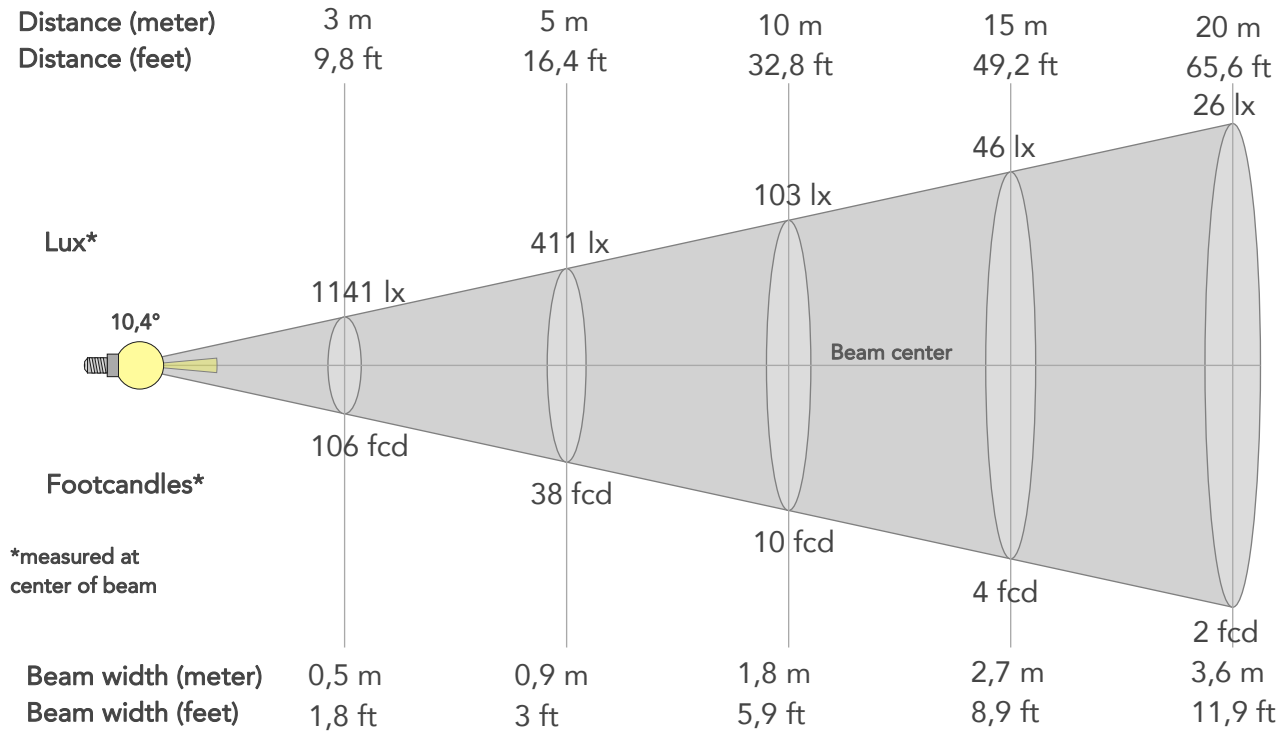
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	0%	0%
4	97	0%	0%
5	97	1%	2%
6	95	3%	2%
7	96	3%	0%
8	95	3%	-1%
9	96	1%	-2%
10	98	0%	-1%
11	97	1%	2%
12	95	2%	0%
13	97	2%	-1%
14	96	3%	-1%
15	96	1%	-1%
16	93	3%	-5%



BEAM DETAILS



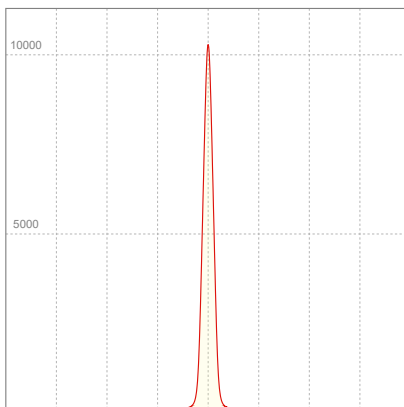
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,4°	18,3°	26,4°	96,7%	94,0%



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	10267lx	2567lx	1141lx	642lx	411lx	183lx	103lx	46lx	26lx	16lx	11lx	6lx	4lx
Footcand.	954fcd	238fcd	106fcd	60fcd	38fcd	17fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,4m	1,8m	2,7m	3,6m	4,5m	5,4m	7,2m	9,1m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	5,9ft	8,9ft	11,9ft	14,9ft	17,8ft	23,8ft	29,7ft

LINEAR DISTRIBUTION DIAGRAM

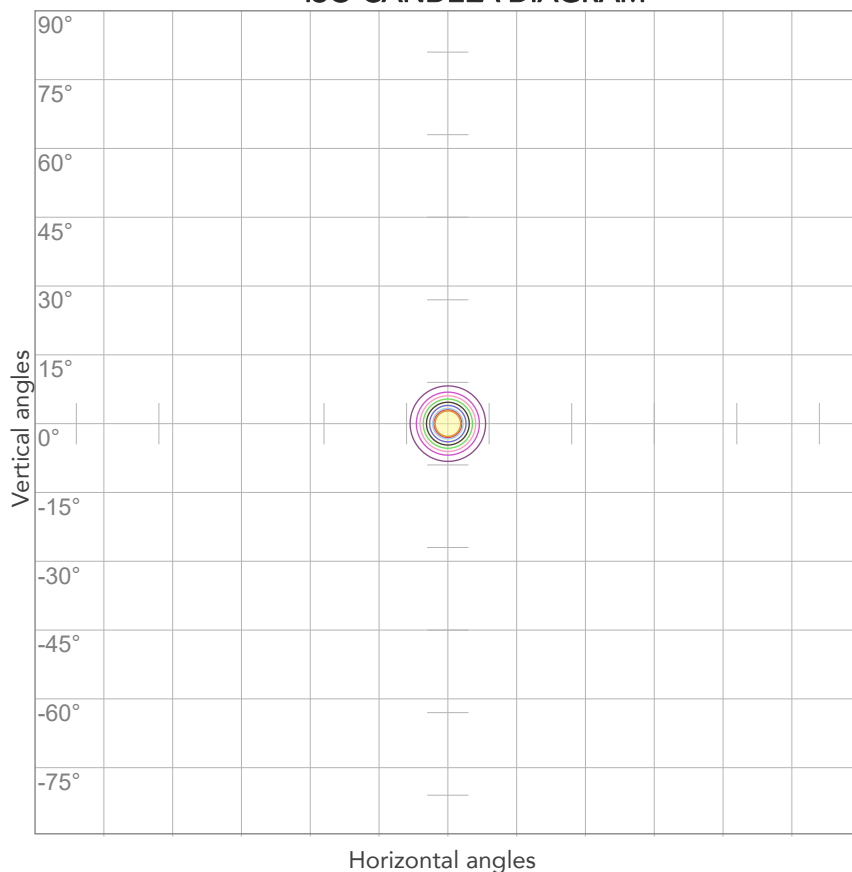


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,082A	13,5W	0,72	38lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



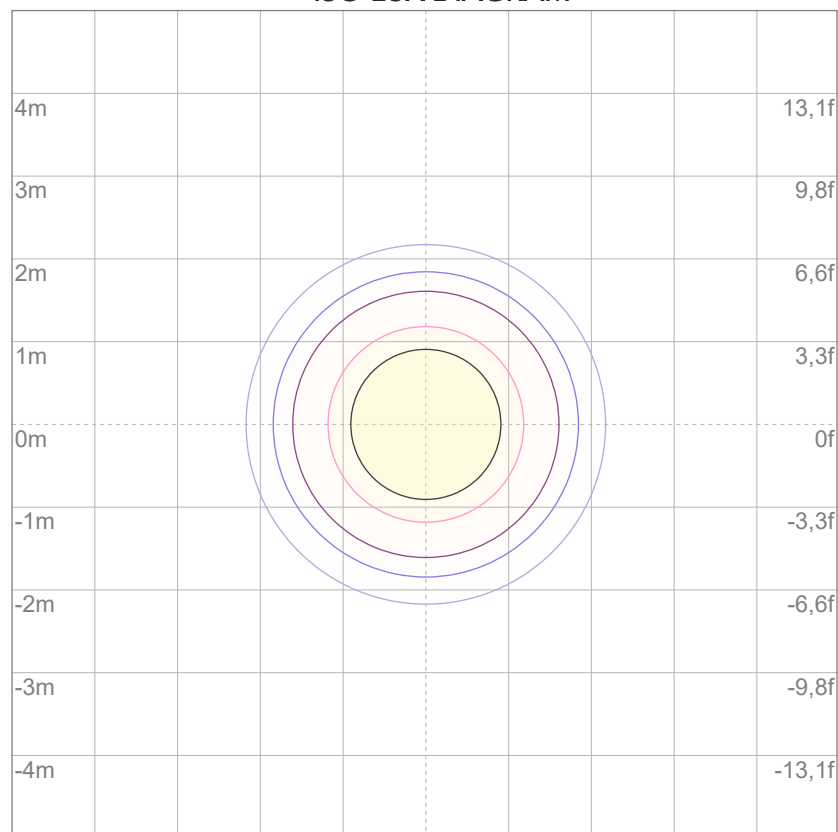
10%	1027 cd
20%	2053 cd
30%	3080 cd
40%	4107 cd
50%	5133 cd
60%	6160 cd
70%	7187 cd
80%	8214 cd

Conditions:

Number of c-planes: 2

Candela at center: 10267 cd

ISO LUX DIAGRAM



3%	3,08 lx
5%	5,13 lx
10%	10,3 lx
30%	30,8 lx
50%	51,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 103 lx

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



Total lumen output:

458 lm

Peak candela output:

1914 cd

Light quality:

CRI: 96,6

Color temperature:

2668 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

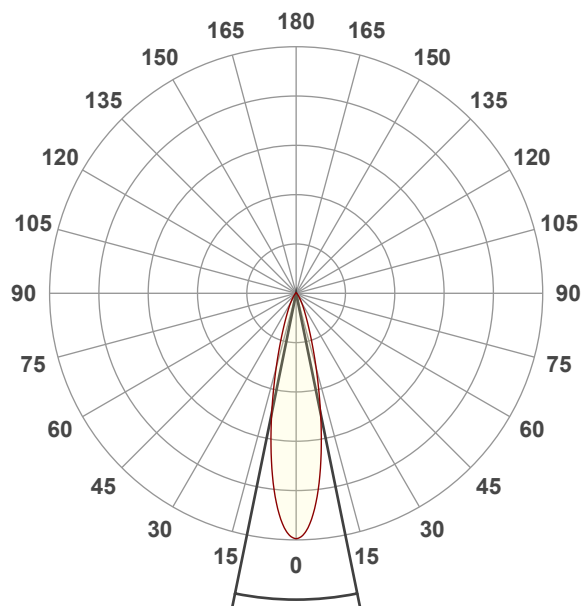
2700K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 12:13:01

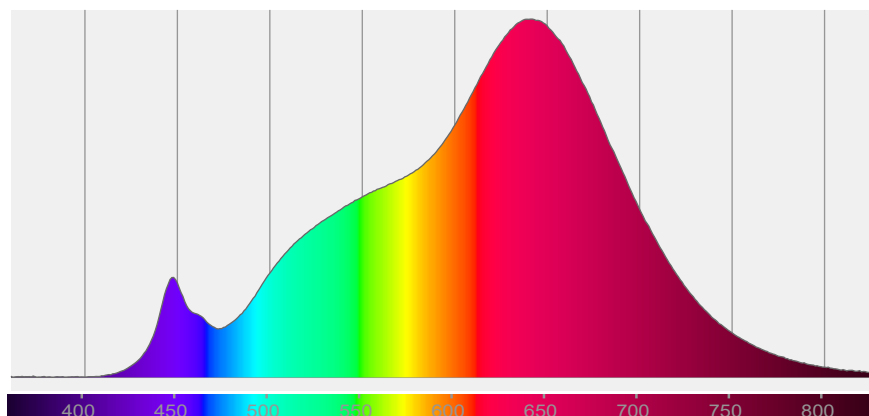


Beam angle 50%: 23°

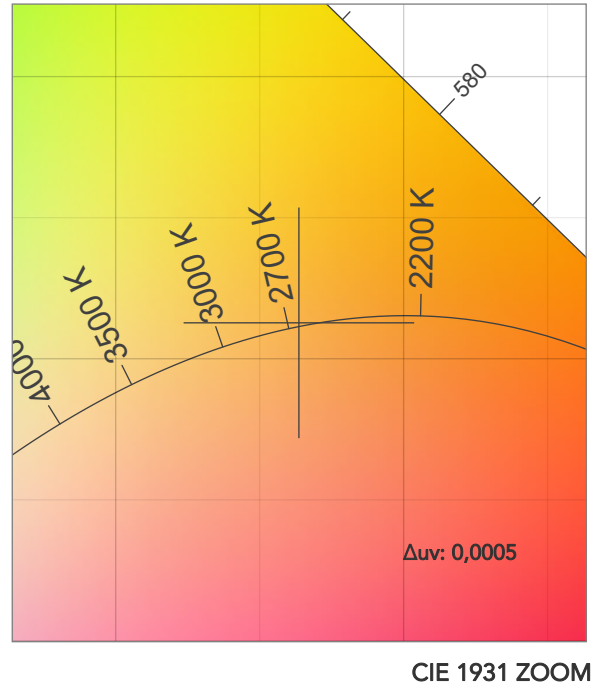
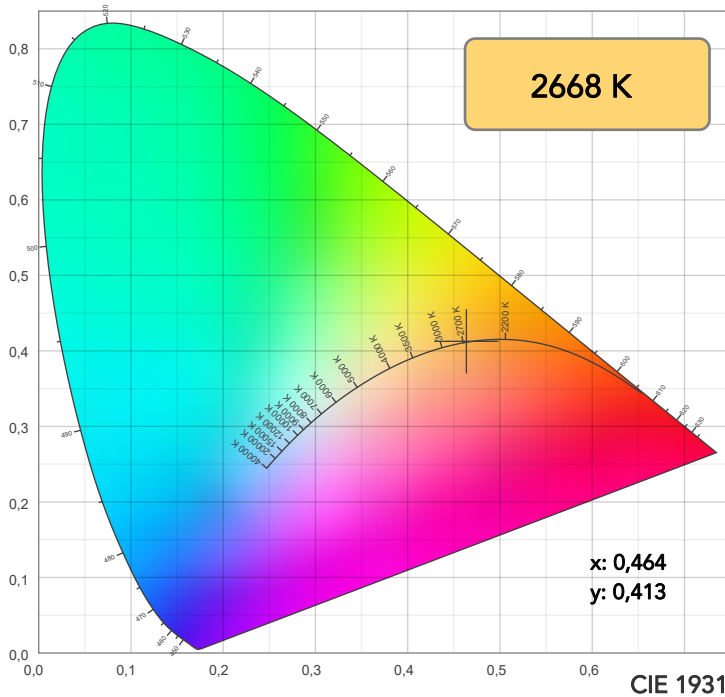
Field angle 10%: 46,3°

Cut off angle 2.5%: 71,2°

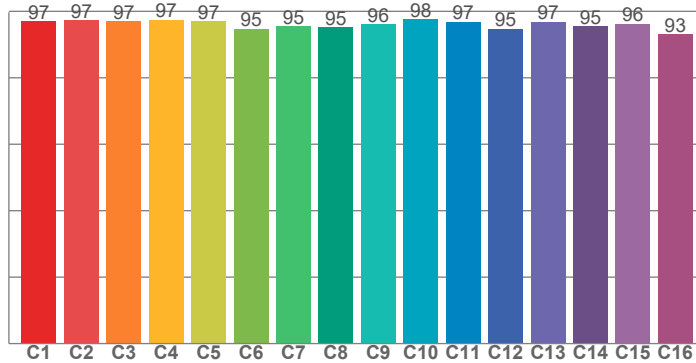
Spectra



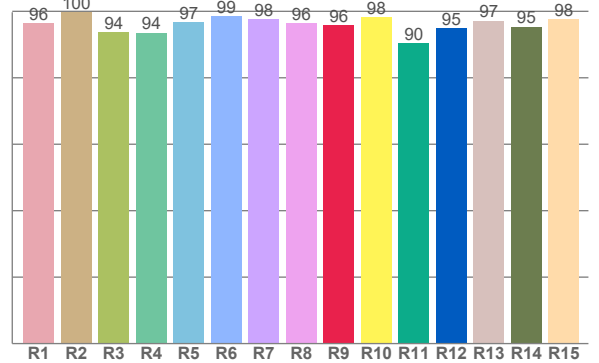
COLOR DETAILS



TM30: 96,3



CRI: 96,6 (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
96,4	99,8	93,8	93,6	96,7	98,6	97,5	96,4	95,9	98,3	90,4	94,8	97,1	95,4	97,5

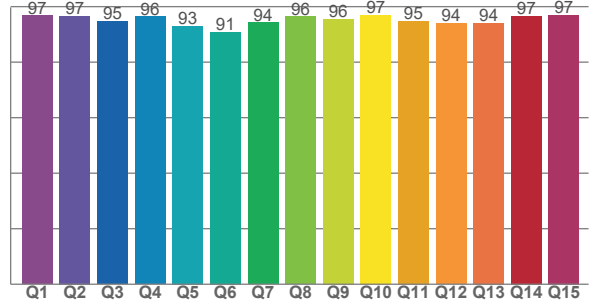
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,7	96,7	94,7	96,4	93,0	90,8	94,2	96,5	95,5	96,9	94,8	94,0	94,1	96,6	97,0

CQS: 94,6



COLOR PARAMETERS

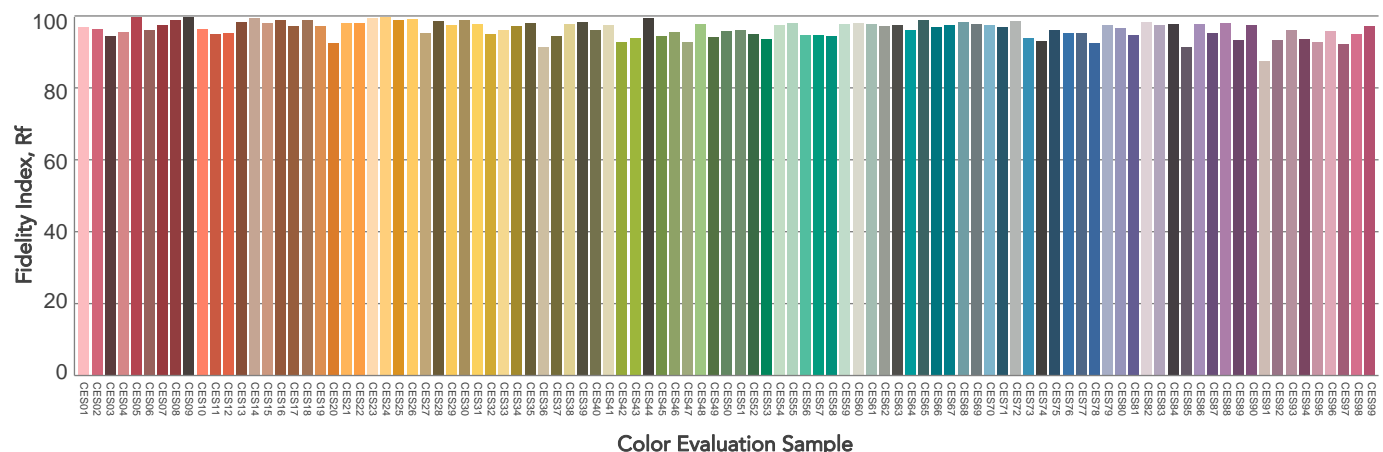
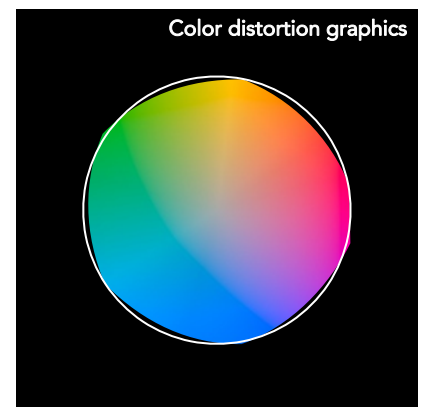
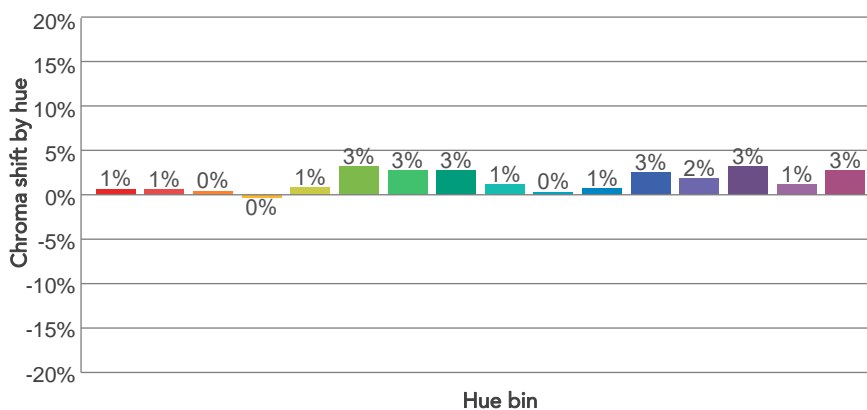
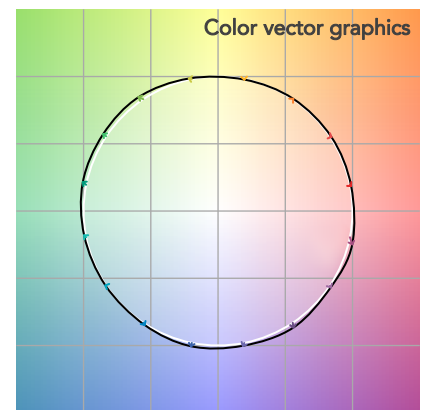
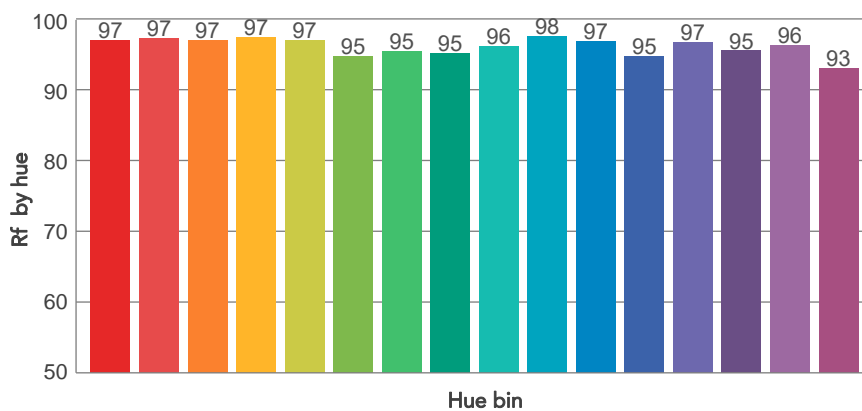
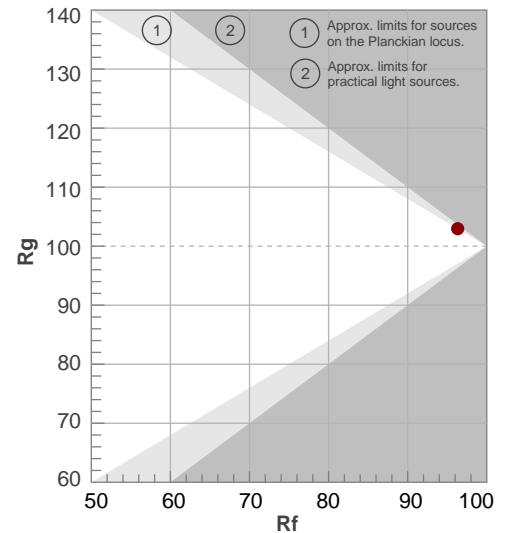
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2668 K	96,6	95,9	96,3	103,0	94,6	98	0,464	0,413	0,0005

TM30 DETAILS

Rf 96,3
Fidelity index Rf

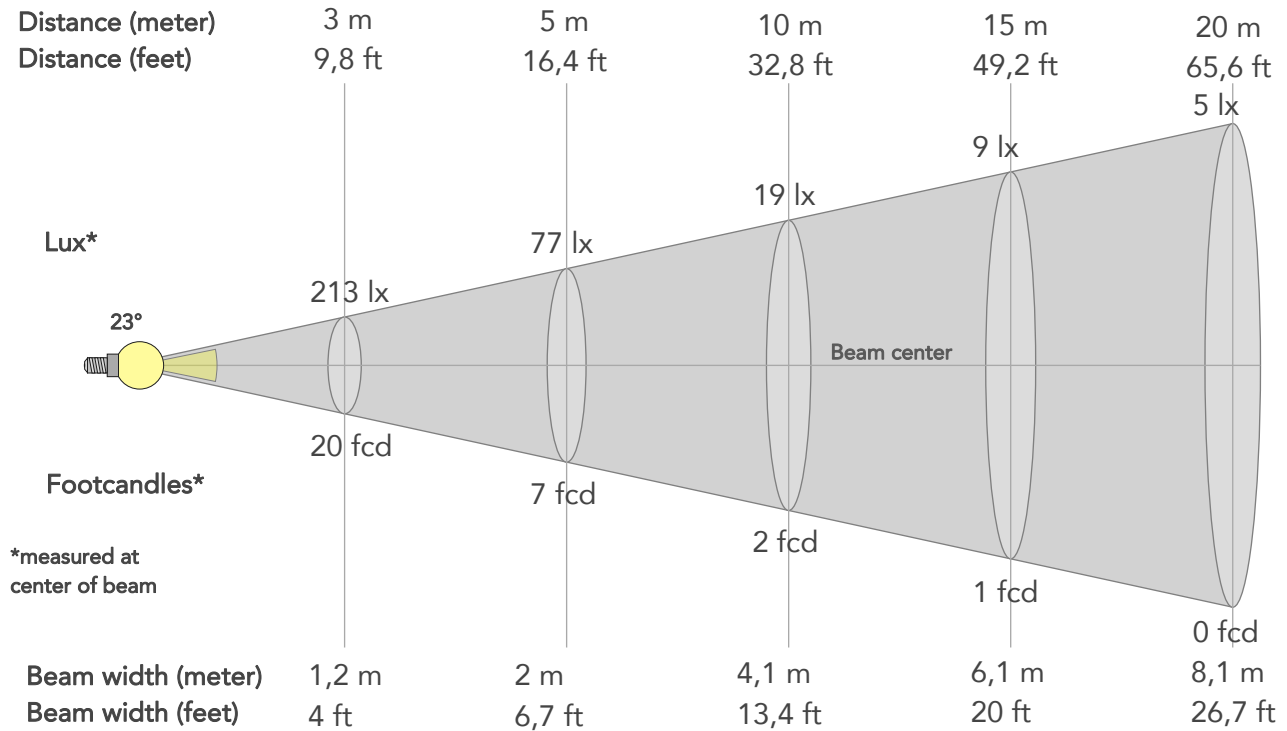
Rg 103,0
Gammut index

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



BEAM DETAILS

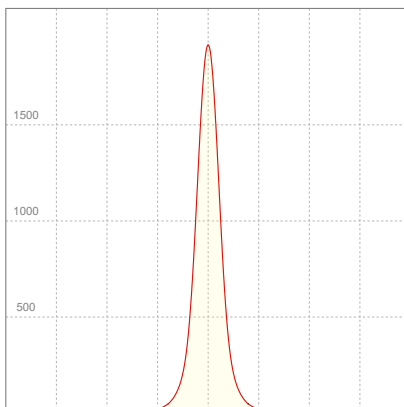
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23°	46,3°	71,2°	97,3%	93,4%



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	1914lx	479lx	213lx	120lx	77lx	34lx	19lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	178fcd	44fcd	20fcd	11fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
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	53,4ft	66,8ft

LINEAR DISTRIBUTION DIAGRAM

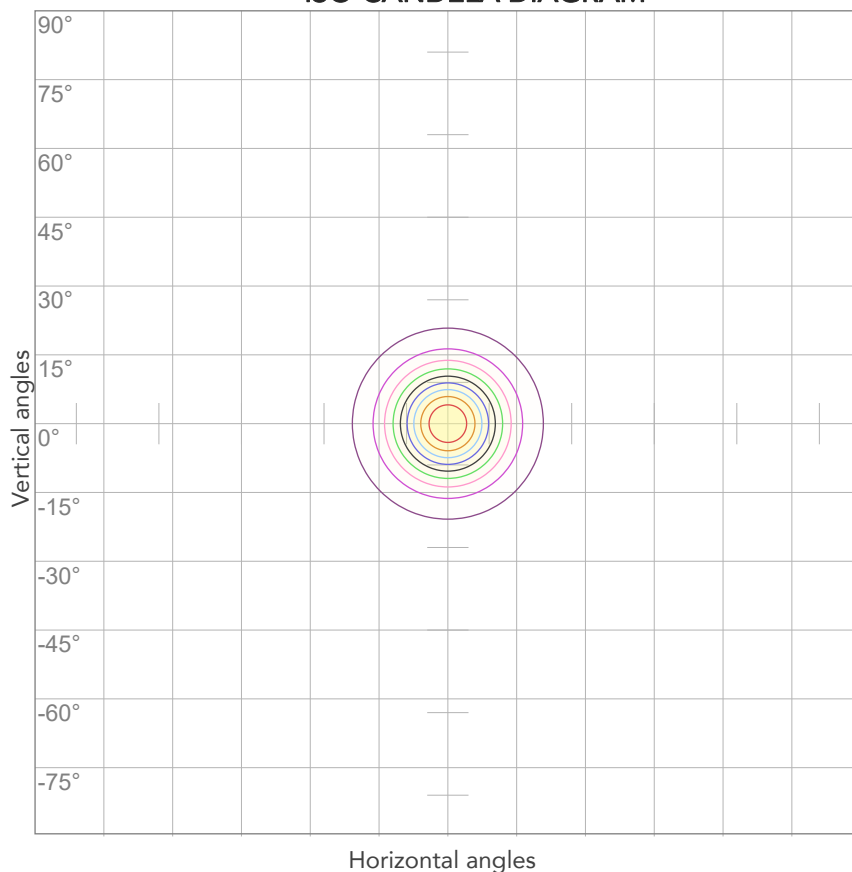


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,081A	13,4W	0,73	34lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



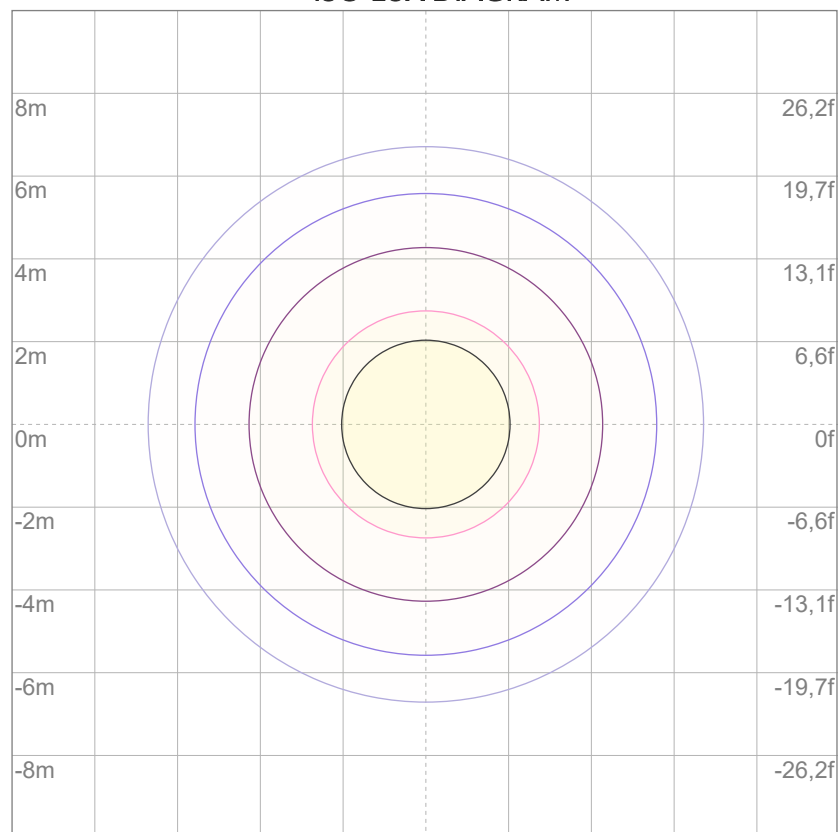
10%	191 cd
20%	383 cd
30%	574 cd
40%	766 cd
50%	957 cd
60%	1149 cd
70%	1340 cd
80%	1531 cd

Conditions:

Number of c-planes: 2

Candela at center: 1914 cd

ISO LUX DIAGRAM



3%	0,574 lx
5%	0,957 lx
10%	1,91 lx
30%	5,74 lx
50%	9,57 lx

Conditions:

Number of c-planes: 2

Lux at center: 19,1 lx

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



Total lumen output:

435 lm

Peak candela output:

555 cd

Light quality:

CRI: 96,6

Color temperature:

2670 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

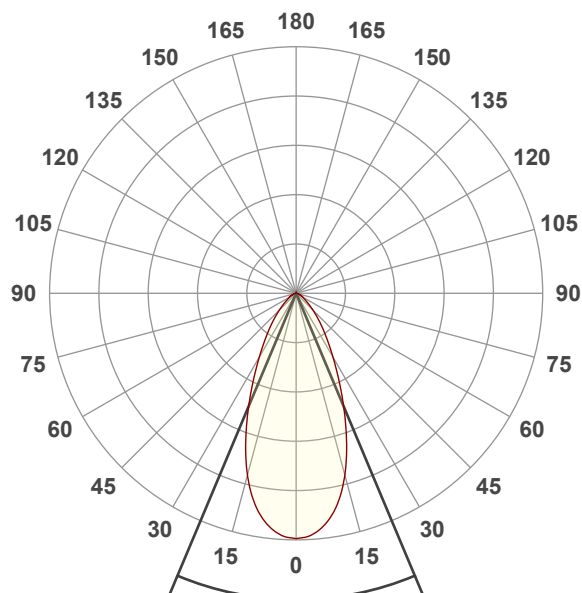
2700K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 12:31:09

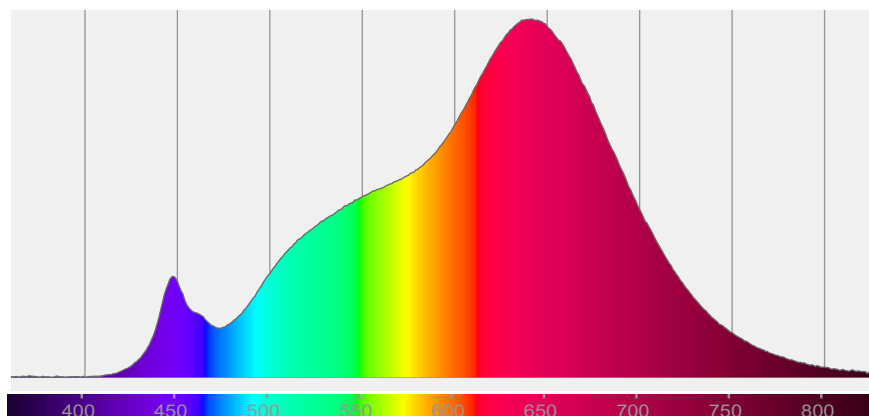


Beam angle 50%: 45,6°

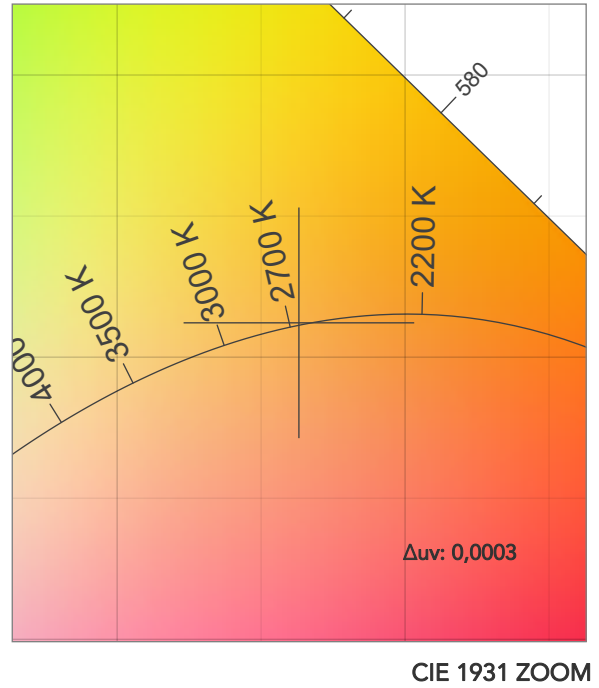
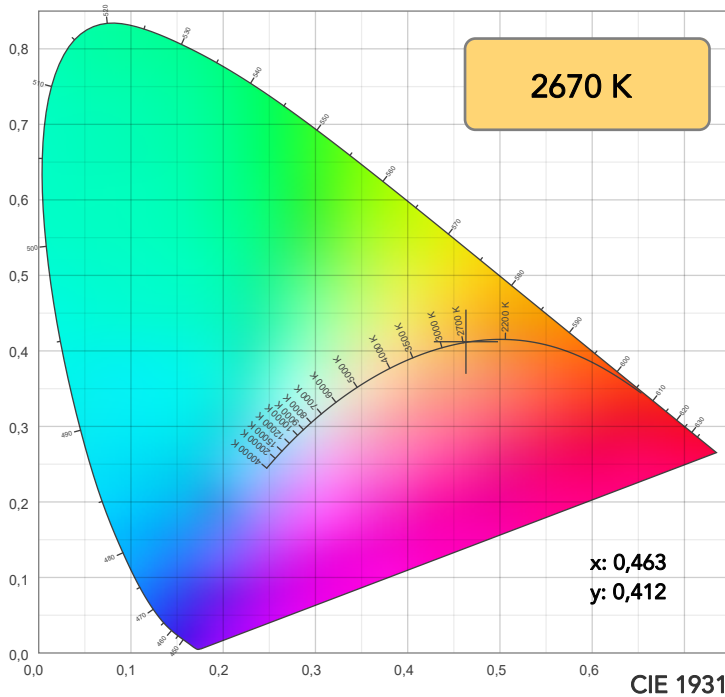
Field angle 10%: 89,3°

Cut off angle 2.5%: 124,8°

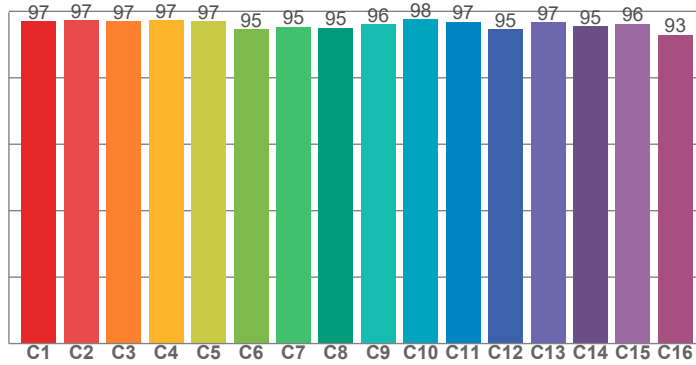
Spectra



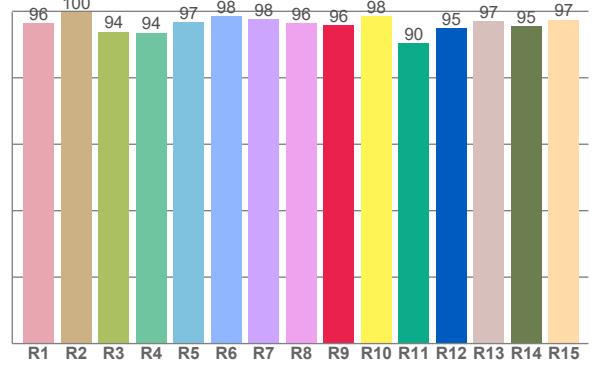
COLOR DETAILS



TM30: 96,3



CRI: 96,6 (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
96,3	99,8	93,9	93,6	96,7	98,5	97,6	96,4	95,8	98,5	90,4	94,9	97,1	95,4	97,5

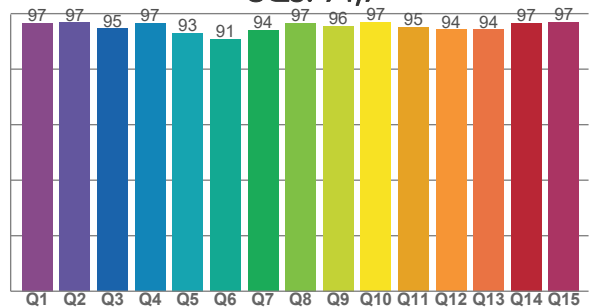
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,7	96,7	94,6	96,5	93,0	90,7	94,0	96,7	95,6	96,9	95,2	94,2	94,3	96,6	97,0

CQS: 94,7



COLOR PARAMETERS

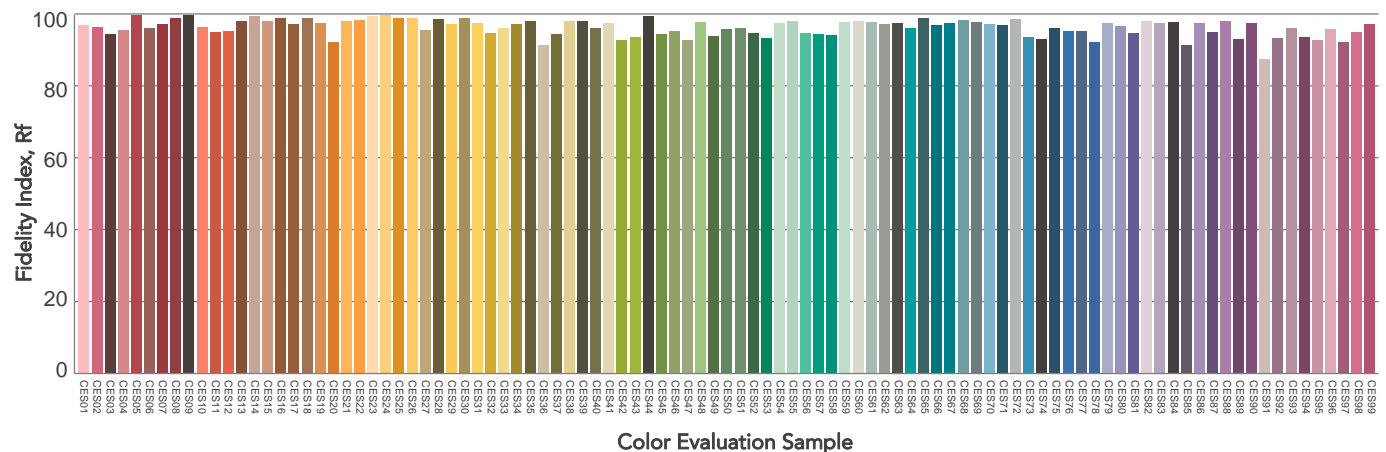
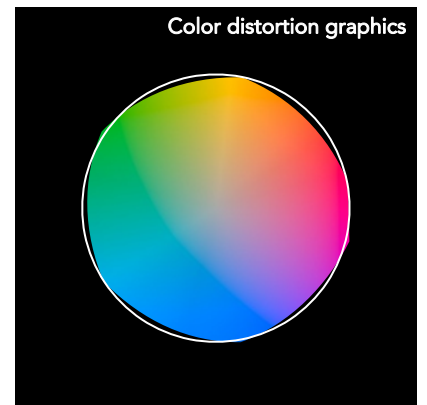
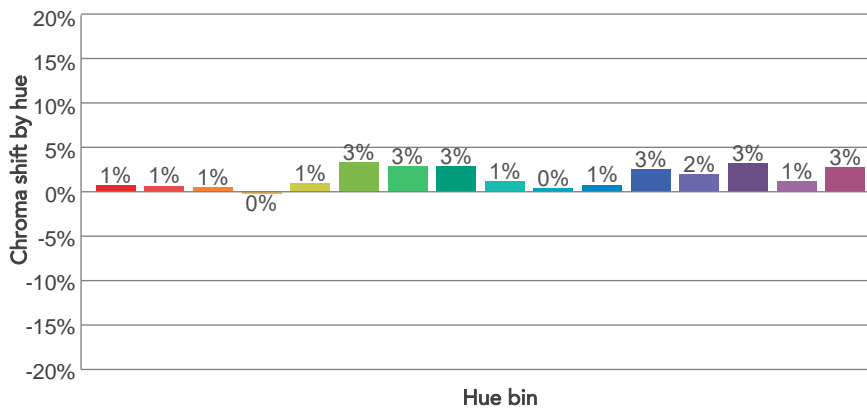
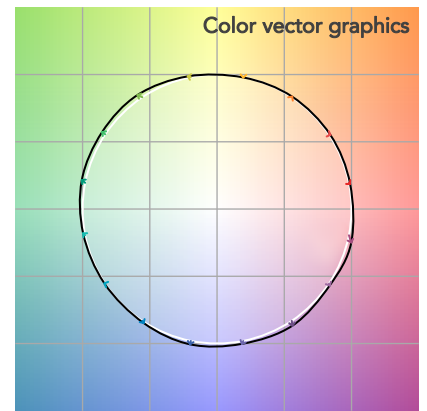
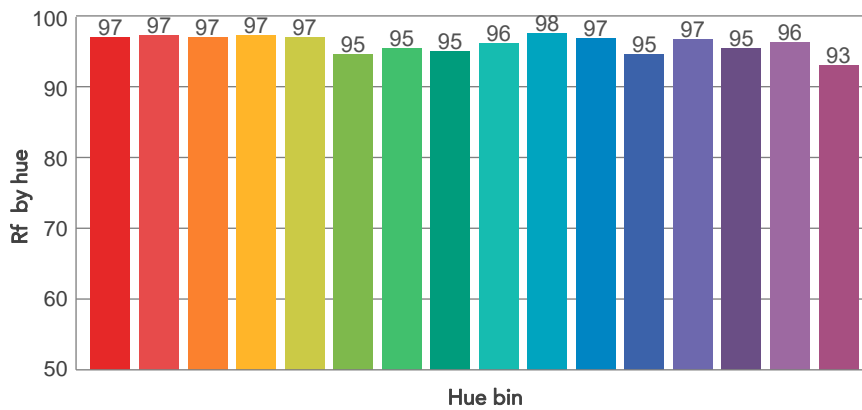
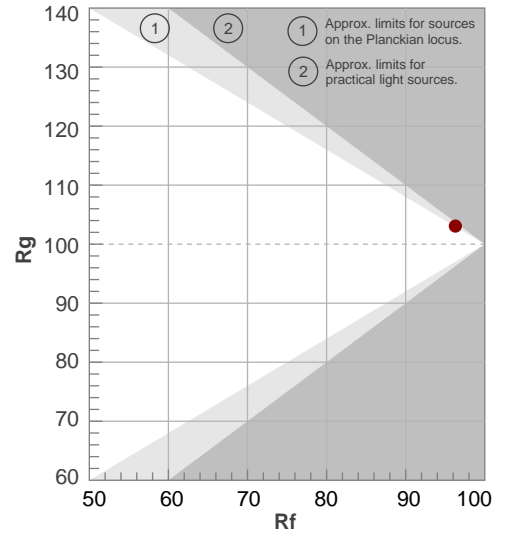
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2670 K	96,6	95,8	96,3	103,1	94,7	98	0,463	0,412	0,0003

TM30 DETAILS

Rf 96,3
Fidelity index Rf

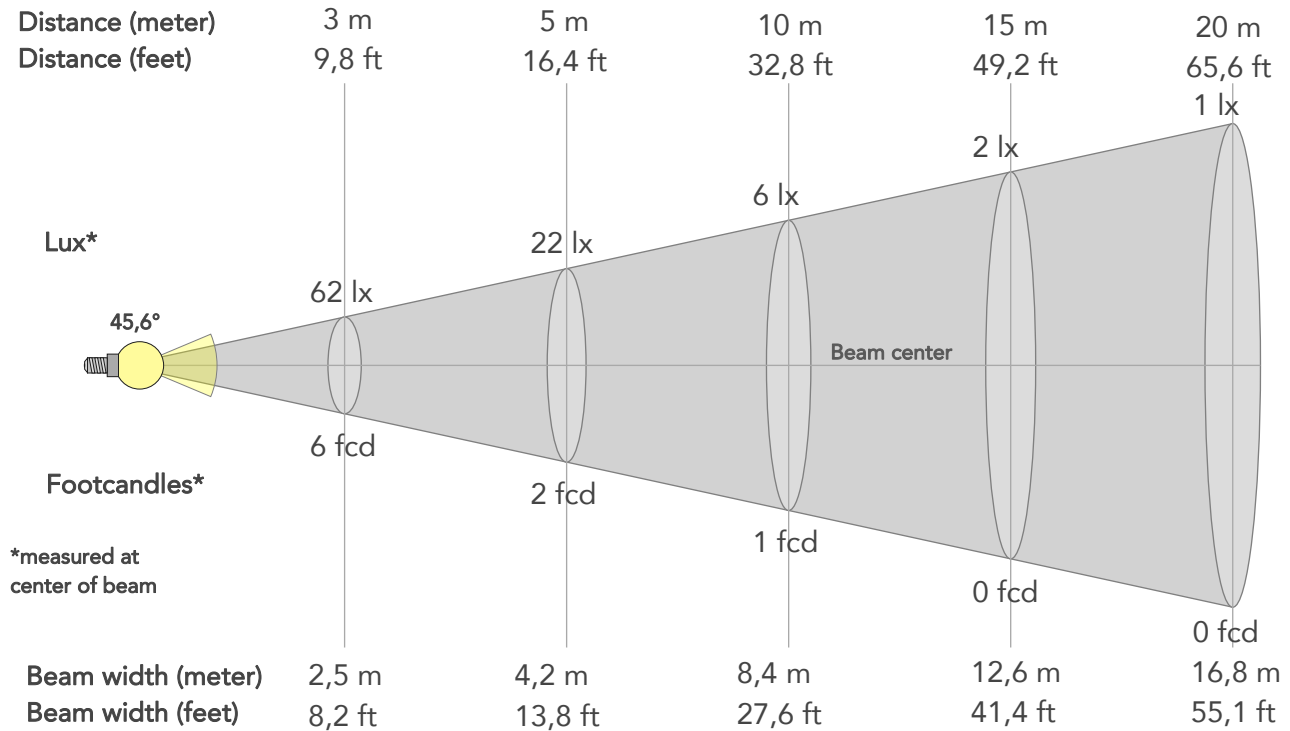
Rg 103,1
Gammut index

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



BEAM DETAILS

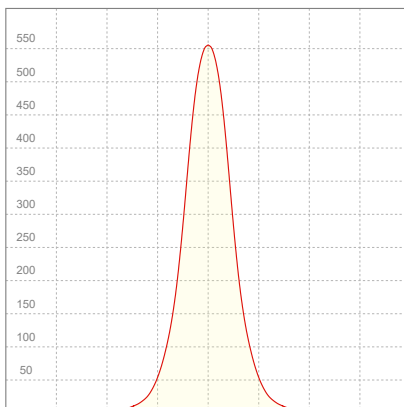
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,6°	89,3°	124,8°	95,4%	86,3%



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	555lx	139lx	62lx	35lx	22lx	10lx	6lx	2lx	1lx	1lx	1lx	0lx	0lx
Footcand.	52fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,4m	4,2m	6,3m	8,4m	12,6m	16,8m	21m	25,2m	33,6m	42m
Beam wid.	2,8ft	5,5ft	8,2ft	11ft	13,8ft	20,7ft	27,6ft	41,4ft	55,1ft	68,9ft	82,7ft	110,3ft	137,8ft

LINEAR DISTRIBUTION DIAGRAM

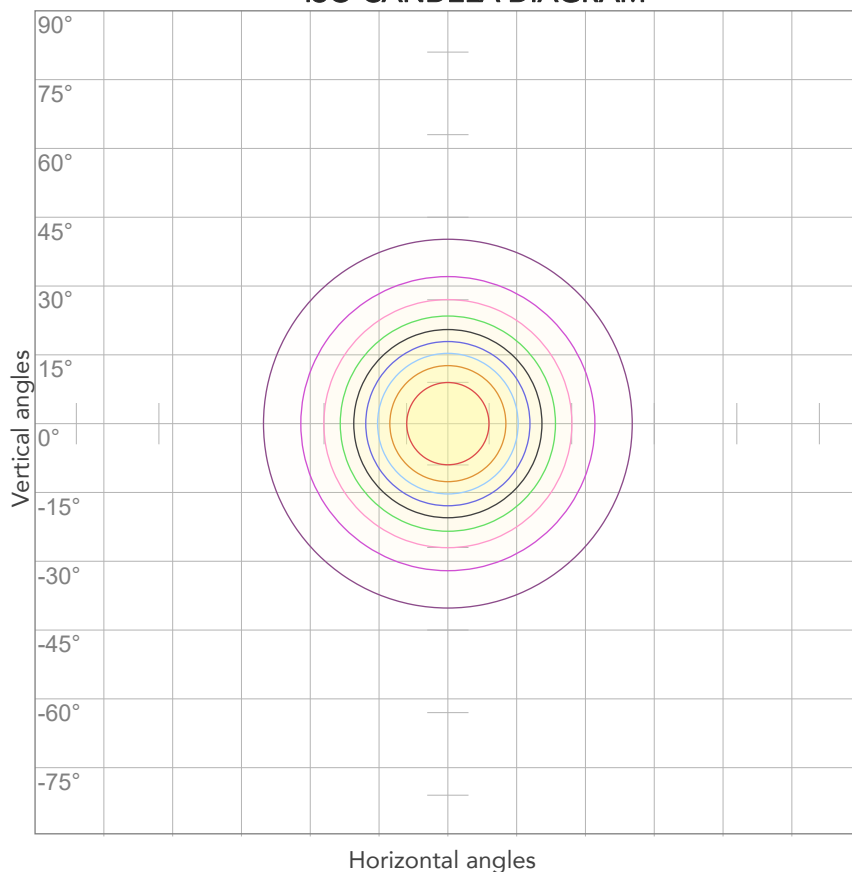


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,081A	13,4W	0,73	32lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



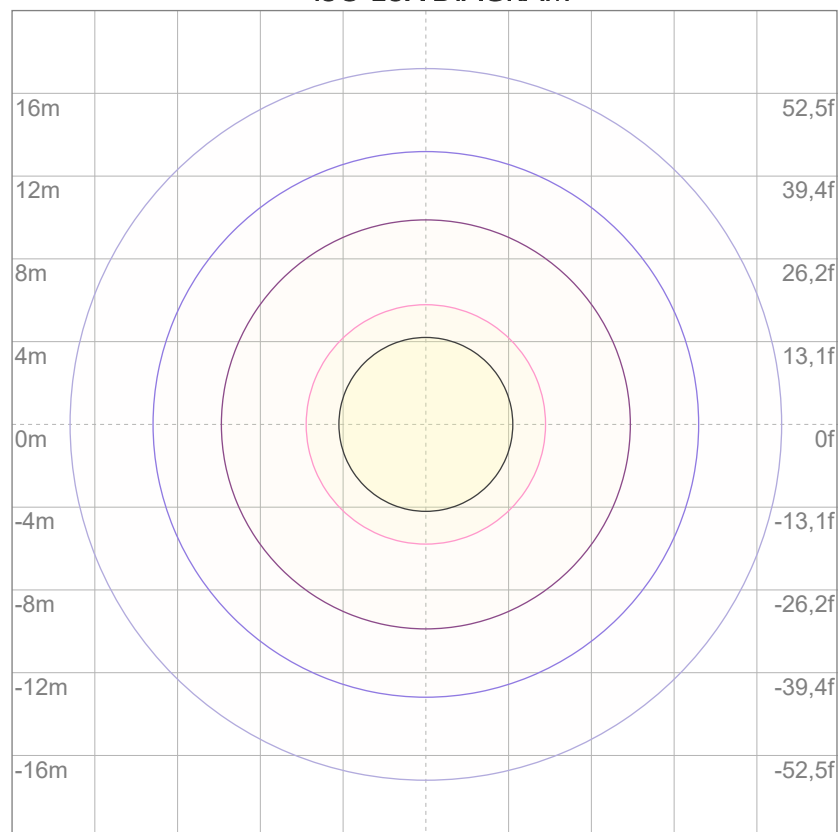
10%	56 cd
20%	111 cd
30%	167 cd
40%	222 cd
50%	278 cd
60%	333 cd
70%	389 cd
80%	444 cd

Conditions:

Number of c-planes: 2

Candela at center: 555 cd

ISO LUX DIAGRAM



3%	0,167 lx
5%	0,278 lx
10%	0,555 lx
30%	1,67 lx
50%	2,78 lx

Conditions:

Number of c-planes: 2

Lux at center: 5,55 lx

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



Total lumen output:

448 lm

Peak candela output:

397 cd

Light quality:

CRI: 96,6

Color temperature:

2664 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

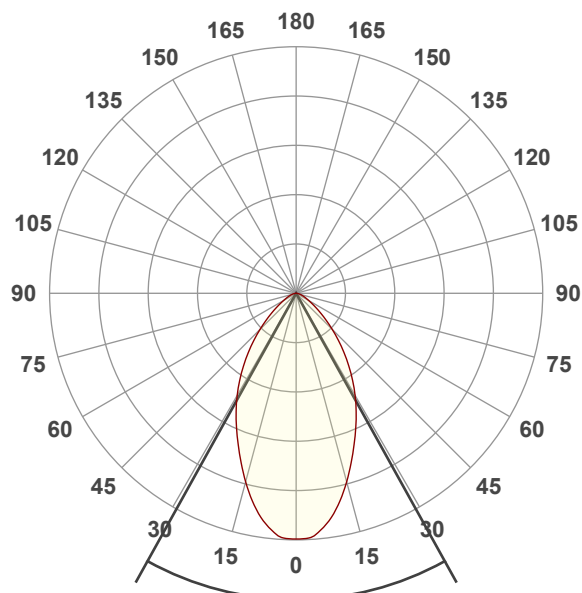
2700K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 12:59:04

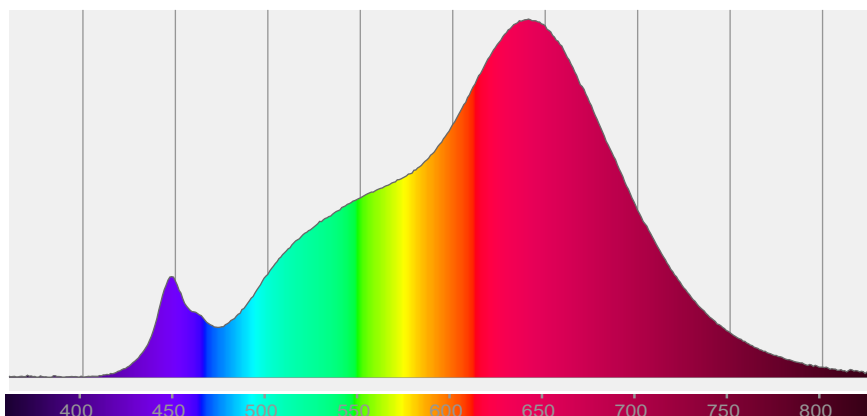


Beam angle 50%: 58,1°

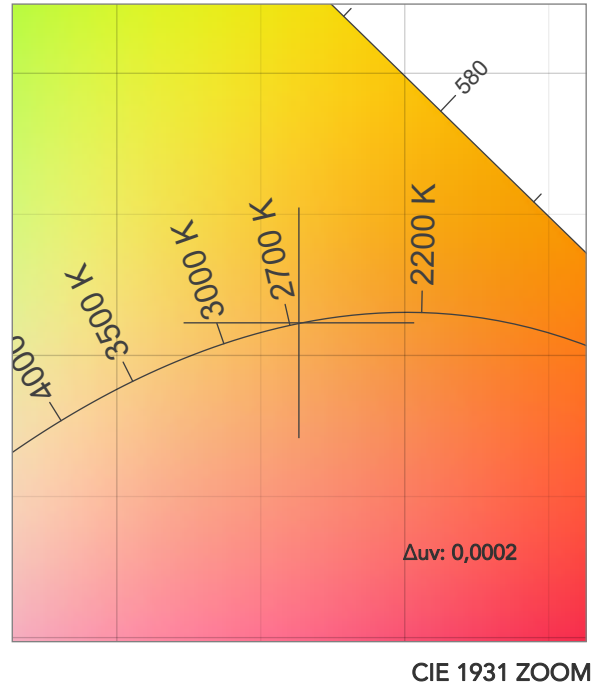
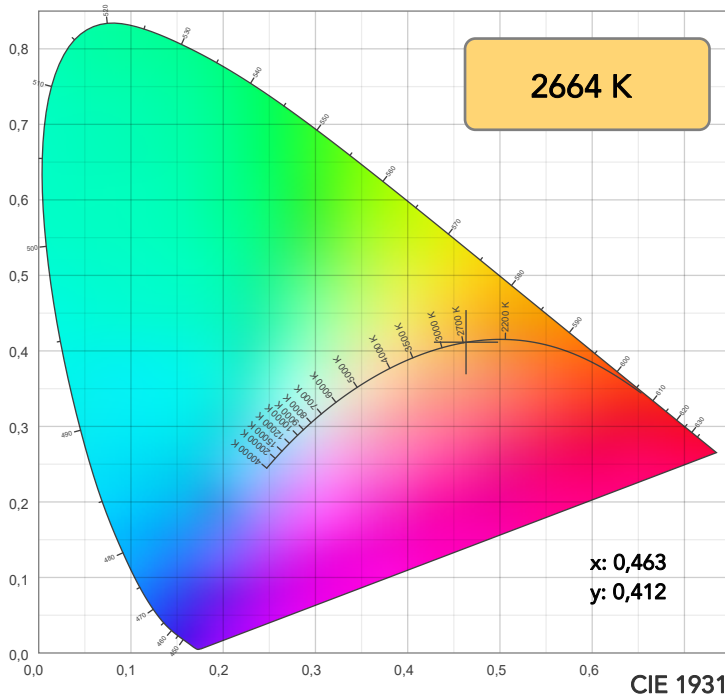
Field angle 10%: 108,1°

Cut off angle 2.5%: 142°

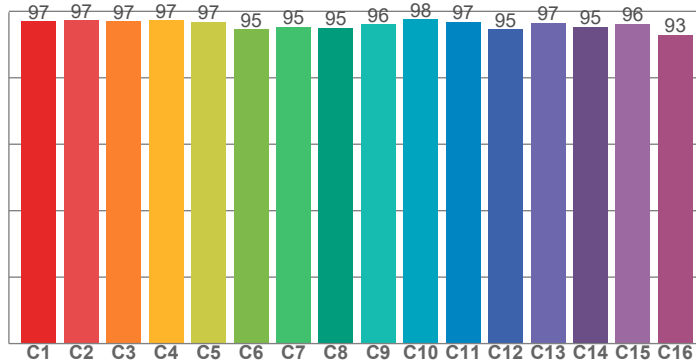
Spectra



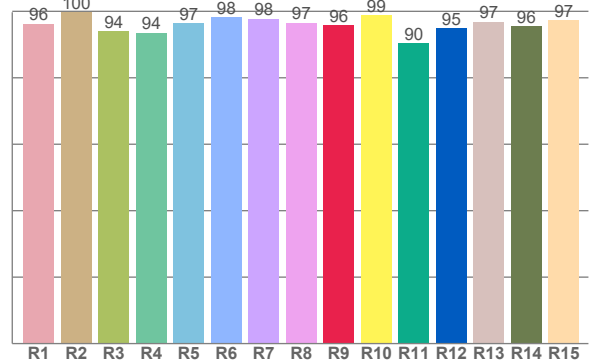
COLOR DETAILS



TM30: 96,3



CRI: 96,6 (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	99,6	94,1	93,6	96,5	98,2	97,7	96,6	95,9	98,8	90,3	95,0	96,9	95,5	97,4

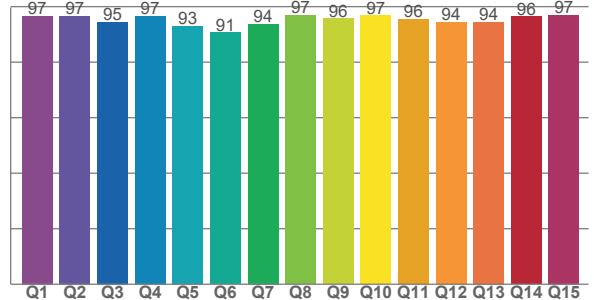
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,6	96,7	94,5	96,6	93,1	90,7	93,8	96,9	95,7	96,8	95,6	94,5	94,5	96,5	97,0

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
2664 K	96,6	95,9	96,3	103,1	94,7	98	0,463	0,412	0,0002

TM30 DETAILS

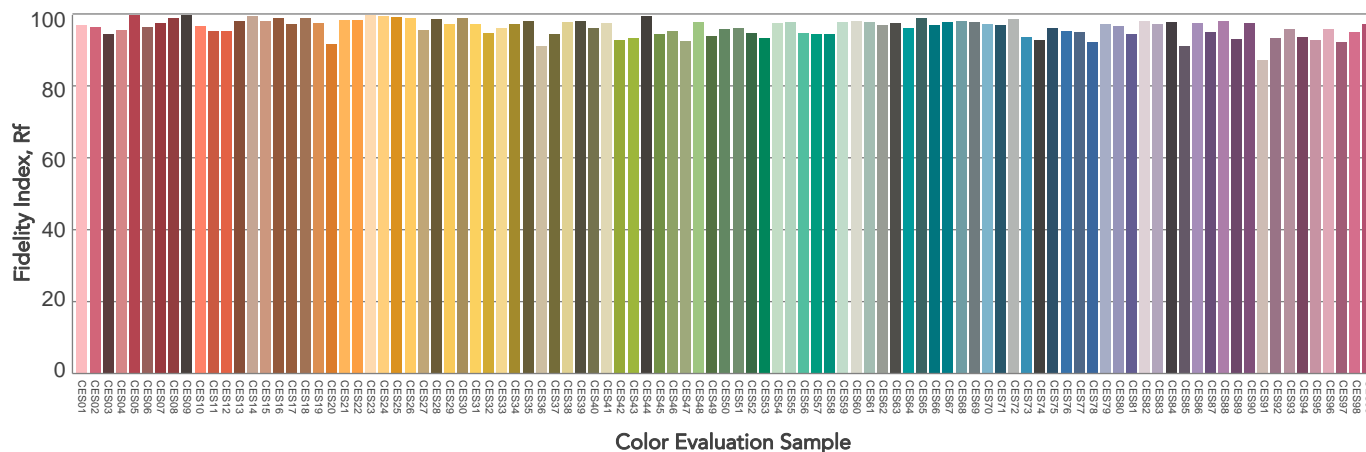
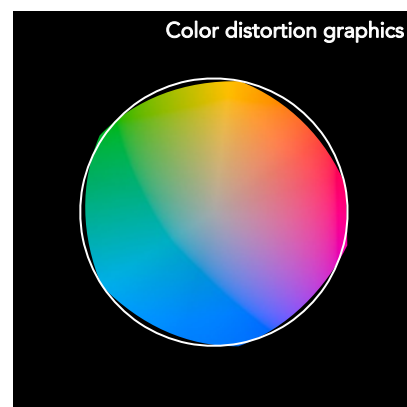
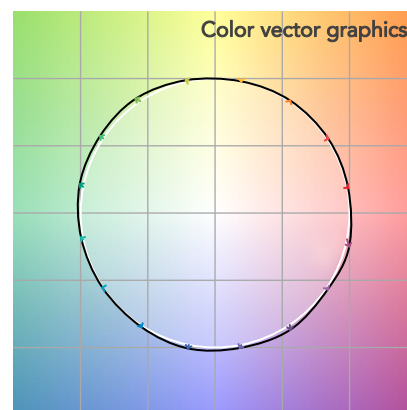
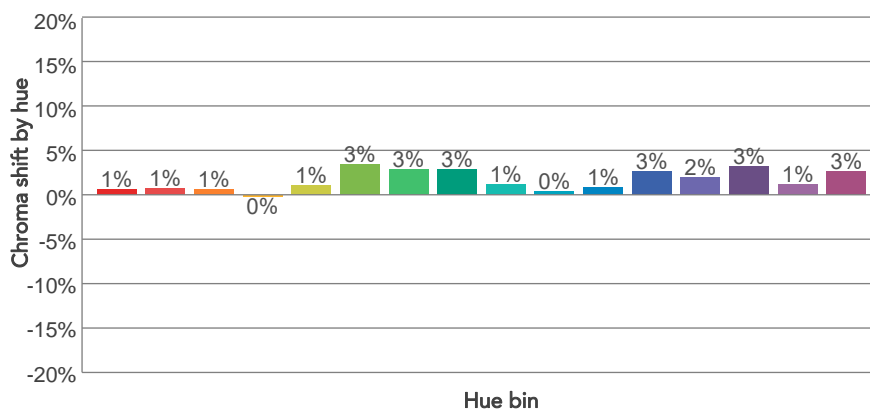
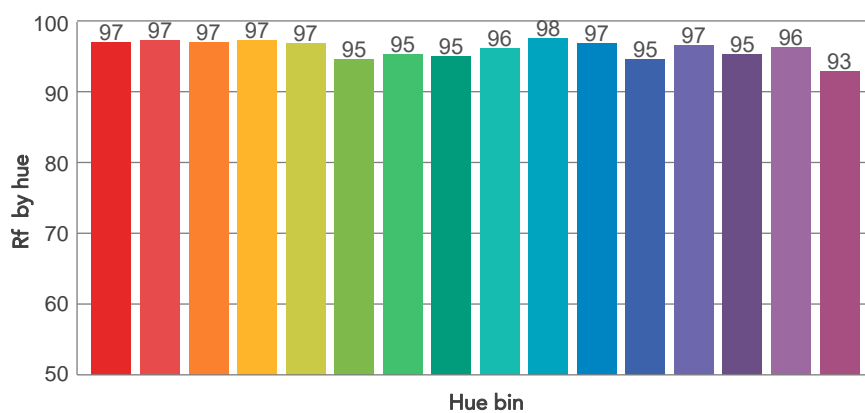
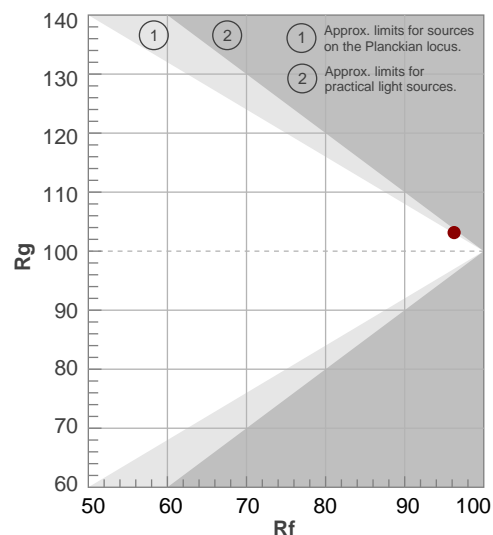
Rf 96,3

Fidelity index R_f

Rg 103,1

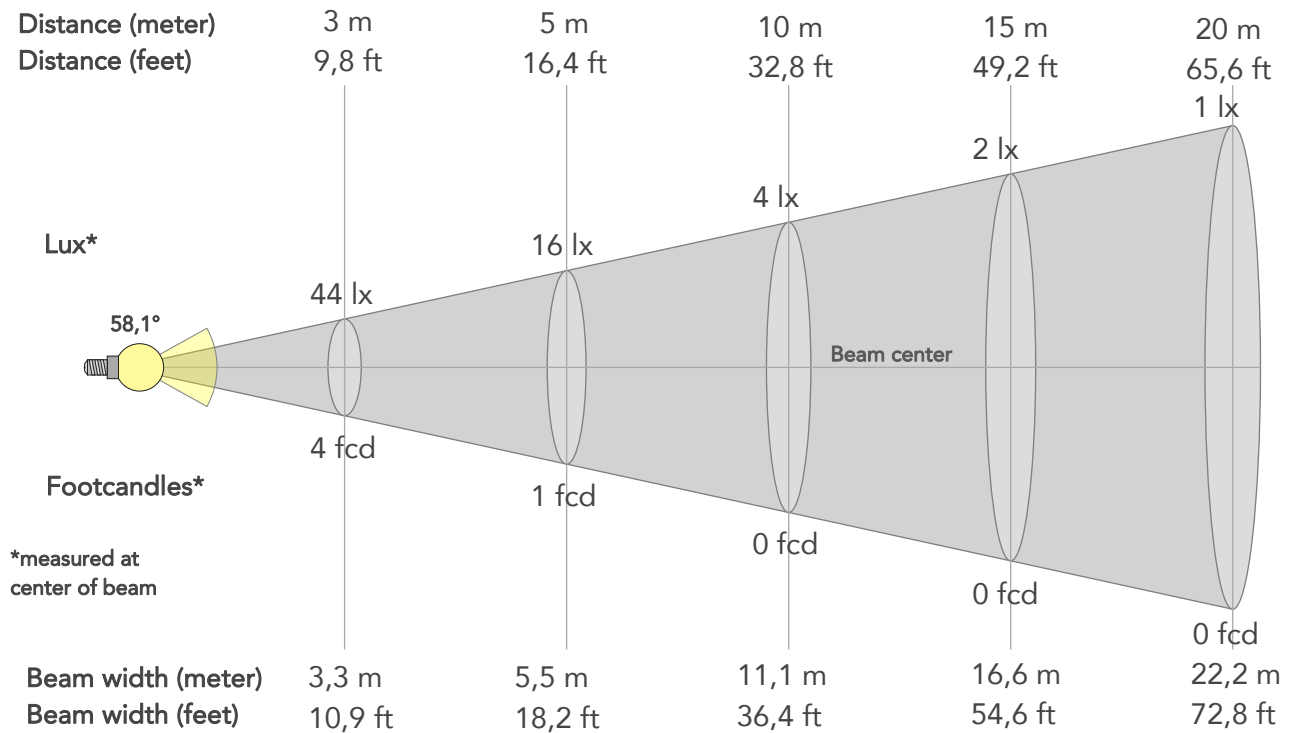
Gammut index

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



BEAM DETAILS

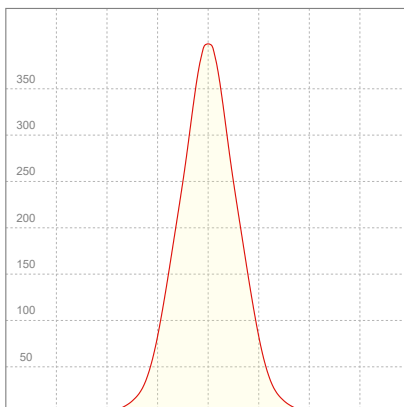
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,1°	108,1°	142°	94,2%	80,5%



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	397lx	99lx	44lx	25lx	16lx	7lx	4lx	2lx	1lx	1lx	0lx	0lx	0lx
Footcand.	37fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	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	55,5m
Beam wid.	3,7ft	7,3ft	10,9ft	14,5ft	18,2ft	27,3ft	36,4ft	54,6ft	72,8ft	91ft	109,2ft	145,6ft	182ft

LINEAR DISTRIBUTION DIAGRAM

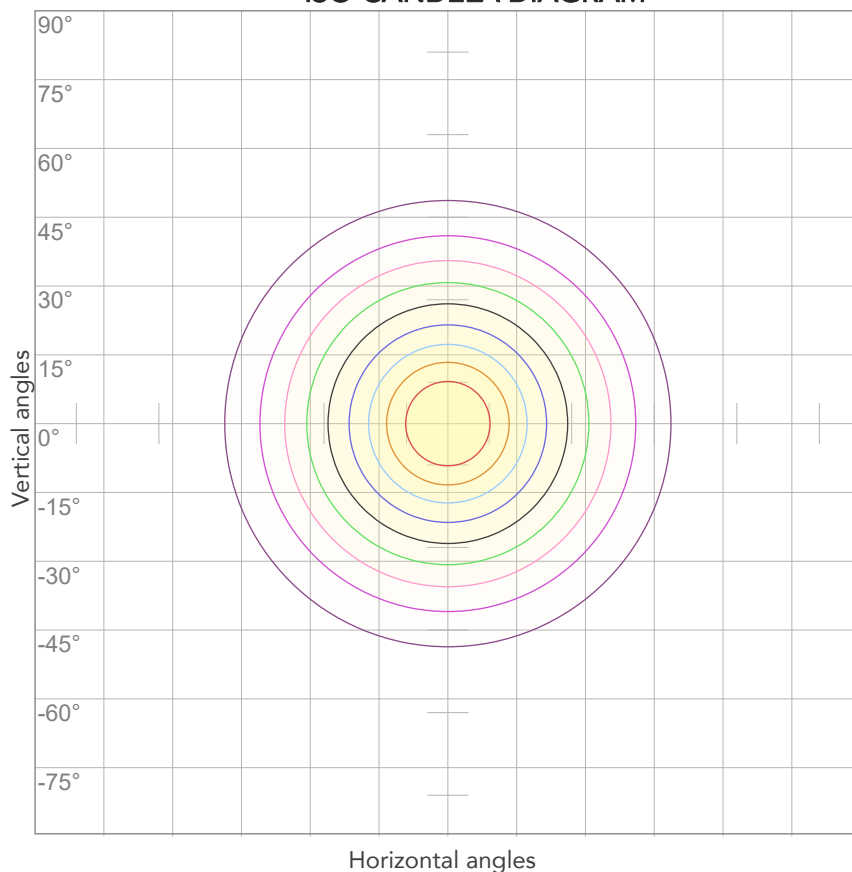


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,081A	13,3W	0,72	34lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



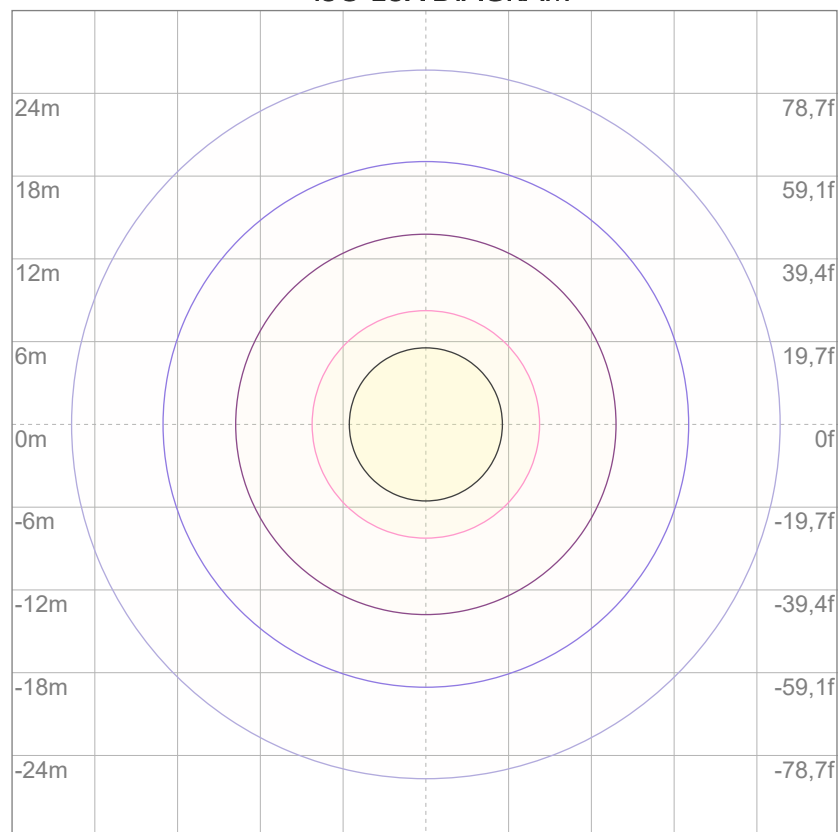
10%	40 cd
20%	79 cd
30%	119 cd
40%	159 cd
50%	198 cd
60%	238 cd
70%	278 cd
80%	318 cd

Conditions:

Number of c-planes: 2

Candela at center: 397 cd

ISO LUX DIAGRAM



3%	0,119 lx
5%	0,198 lx
10%	0,397 lx
30%	1,19 lx
50%	1,98 lx

Conditions:

Number of c-planes: 2

Lux at center: 3,97 lx

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



Total lumen output:

677 lm

Peak candela output:

1413 cd

Light quality:

CRI: 96,6

Color temperature:

2651 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

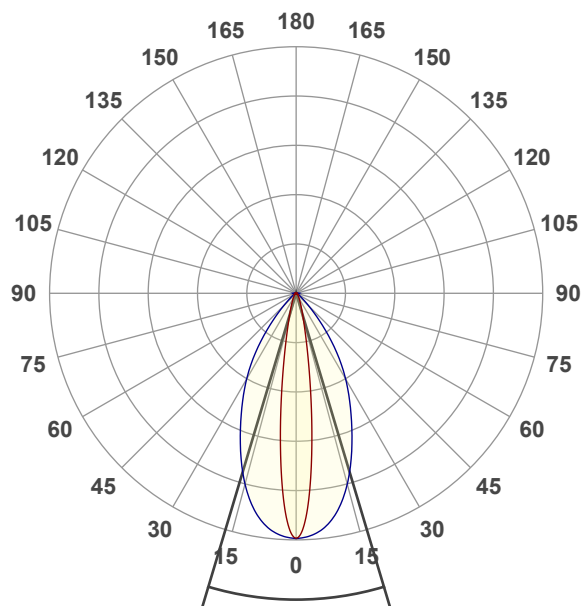
2700K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 13:29:11

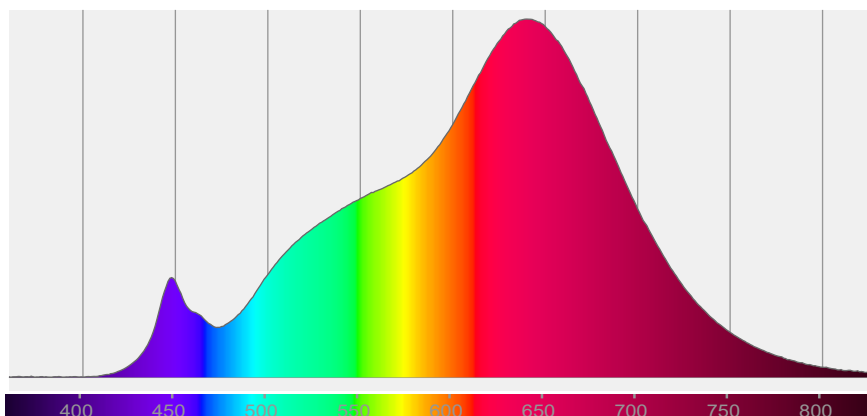


Beam angle 50%: 33,3°

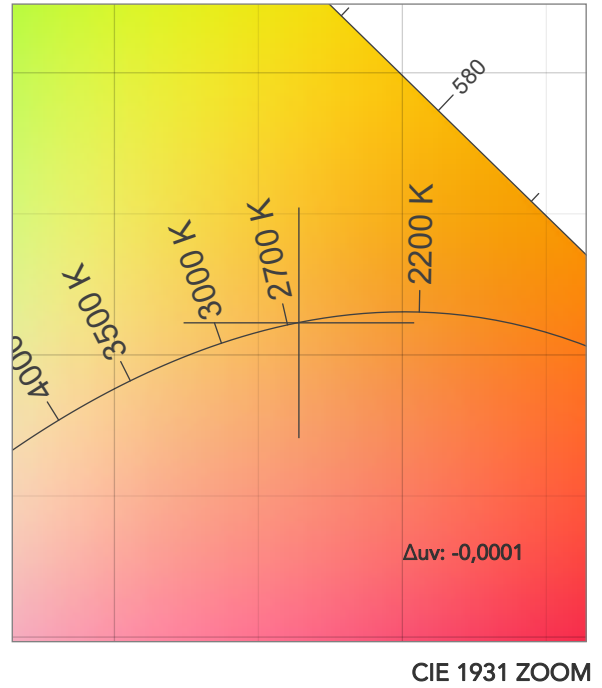
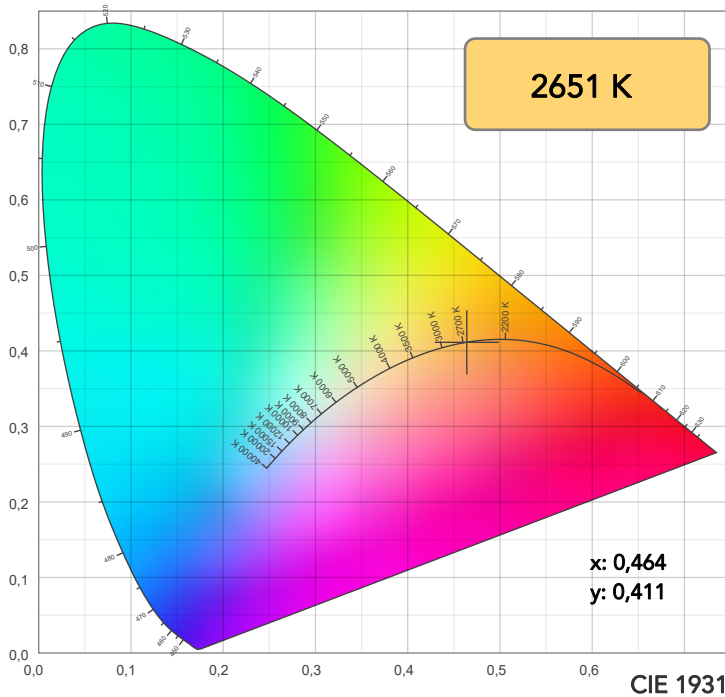
Field angle 10%: 59,2°

Cut off angle 2.5%: 82,2°

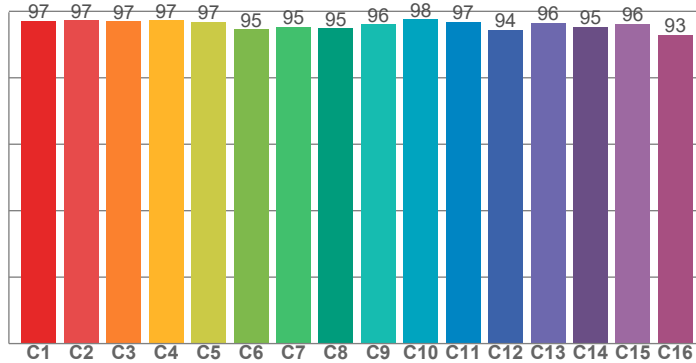
Spectra



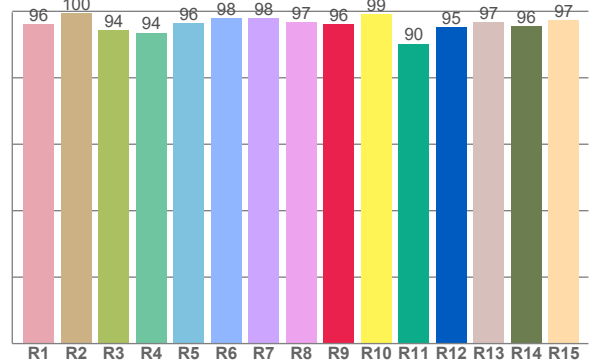
COLOR DETAILS



TM30: 96,2



CRI: 96,6 (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	99,5	94,3	93,6	96,4	98,0	97,9	96,8	96,2	99,1	90,3	95,1	96,8	95,6	97,4

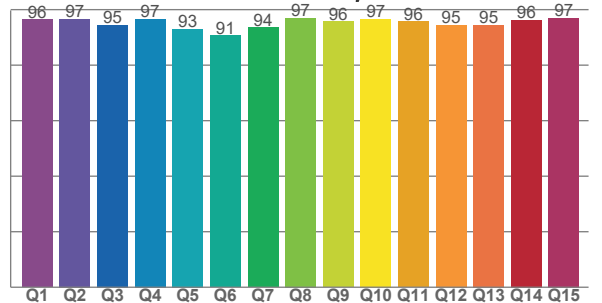
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,5	96,6	94,5	96,6	93,0	90,6	93,6	97,0	95,7	96,7	95,7	94,5	94,5	96,3	96,9

CQS: 94,6



COLOR PARAMETERS

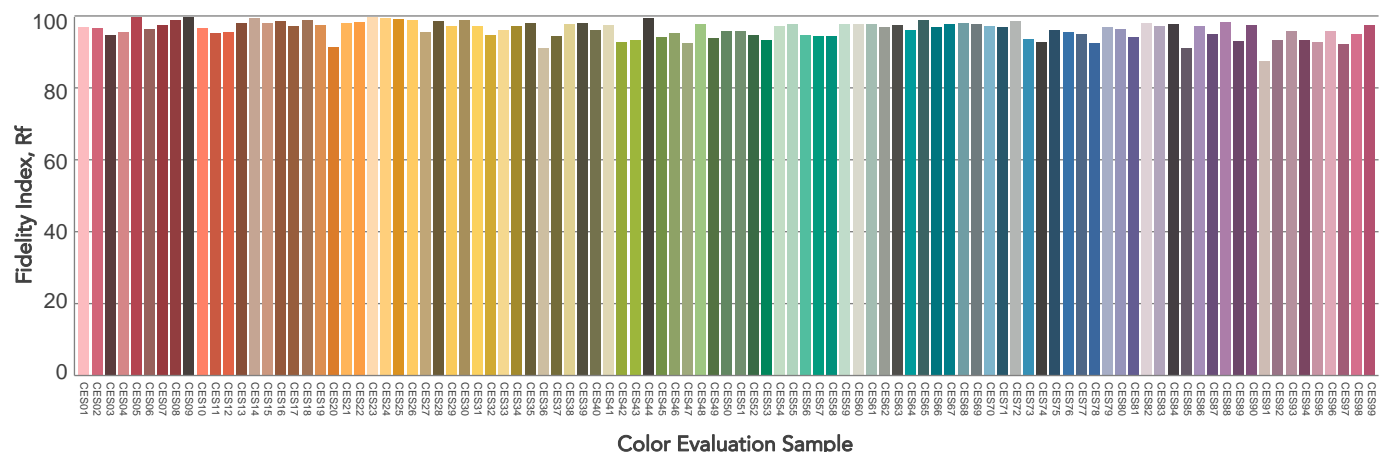
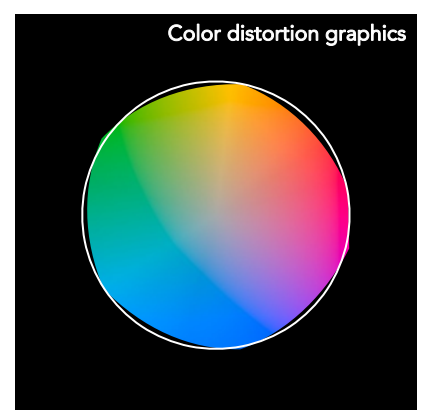
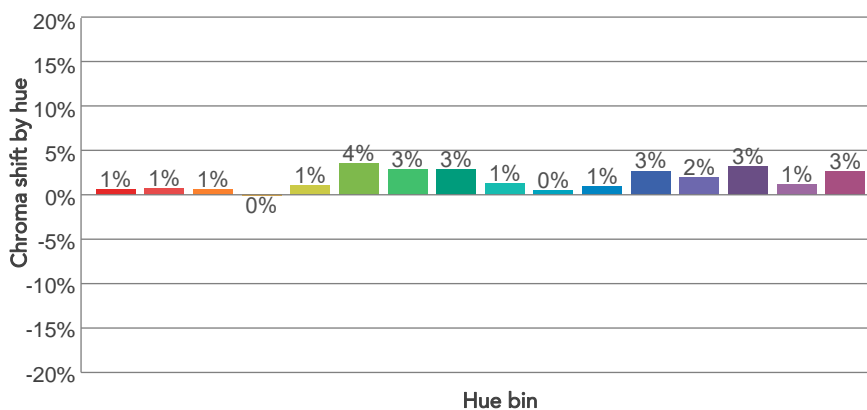
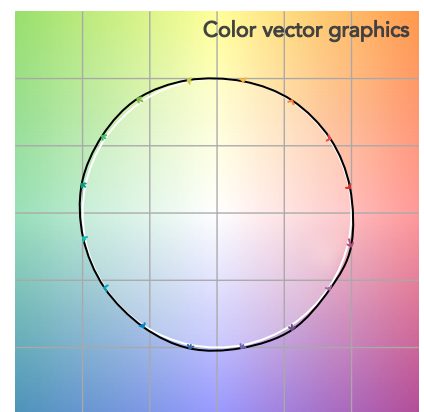
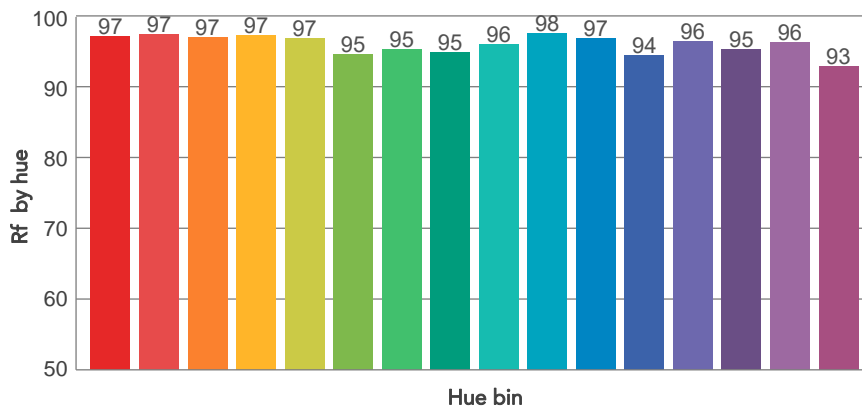
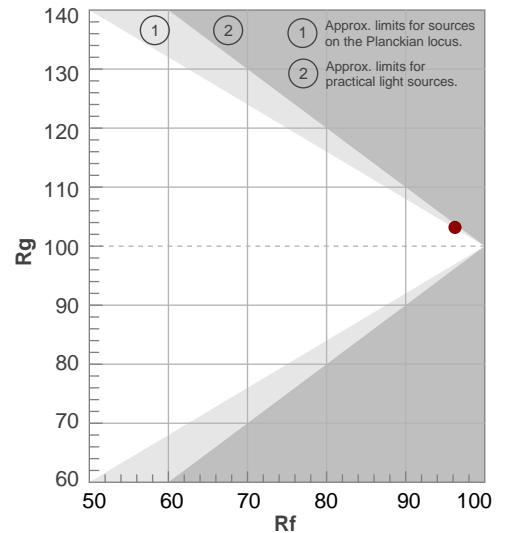
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2651 K	96,6	96,2	96,2	103,2	94,6	98	0,464	0,411	-0,0001

TM30 DETAILS

Rf 96,2
Fidelity index Rf

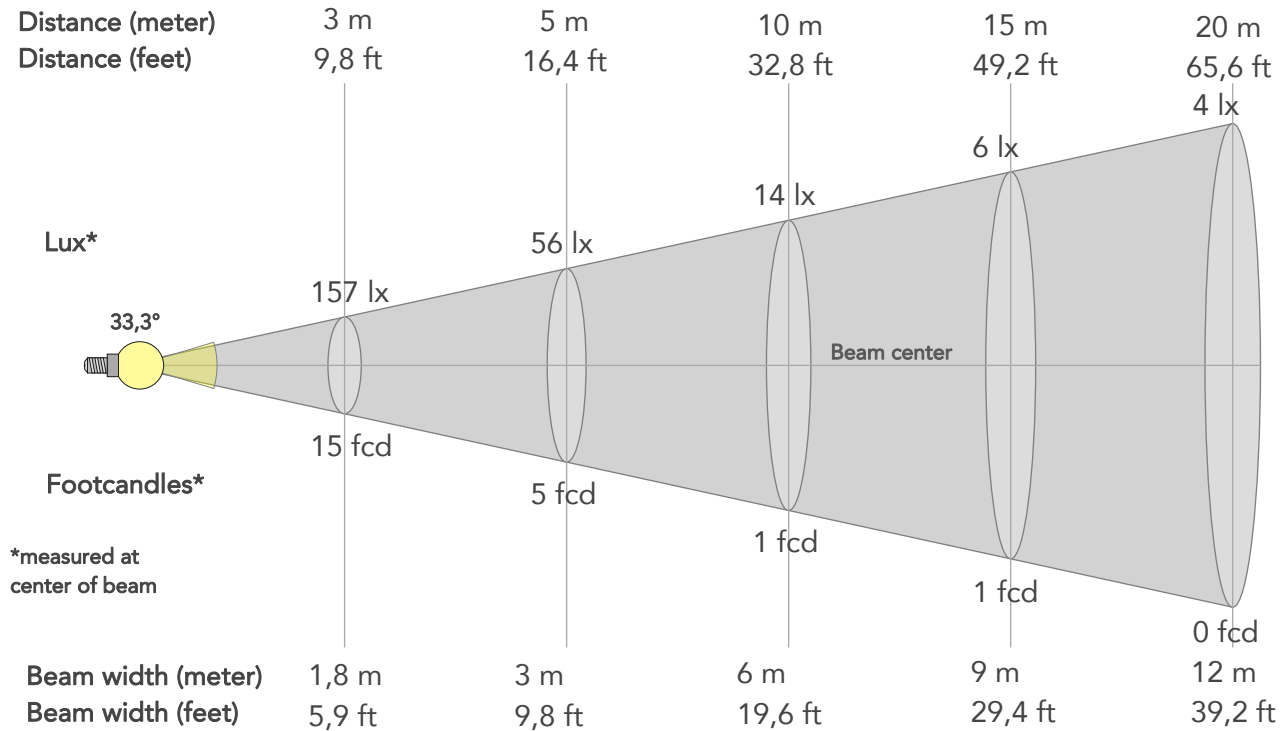
Rg 103,2
Gammut index

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	95	4%	2%
7	95	3%	0%
8	95	3%	-2%
9	96	1%	-2%
10	98	0%	-1%
11	97	1%	2%
12	94	3%	0%
13	96	2%	-2%
14	95	3%	-2%
15	96	1%	-1%
16	93	3%	-5%



BEAM DETAILS

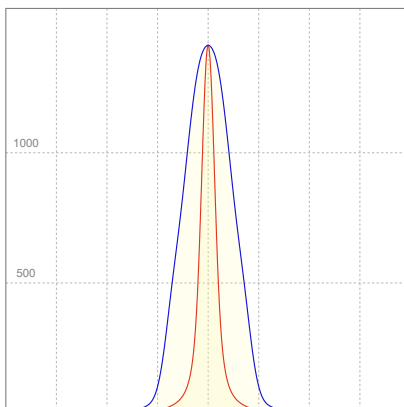
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,3°	59,2°	82,2°	97,6%	92,8%



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	1412lx	353lx	157lx	88lx	56lx	25lx	14lx	6lx	4lx	2lx	2lx	1lx	1lx
Footcand.	131fcd	33fcd	15fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	17,9m	23,9m	29,9m
Beam wid.	2ft	3,9ft	5,9ft	7,8ft	9,8ft	14,7ft	19,6ft	29,4ft	39,2ft	49,1ft	58,9ft	78,5ft	98,1ft

LINEAR DISTRIBUTION DIAGRAM

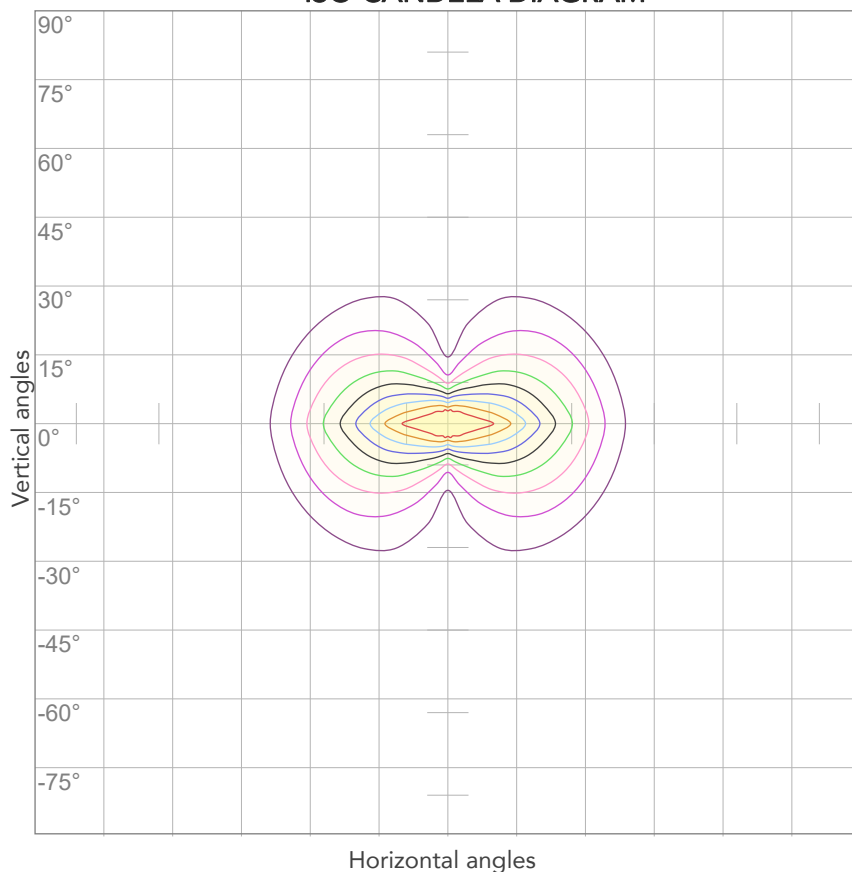


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,082A	13,3W	0,72	51lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



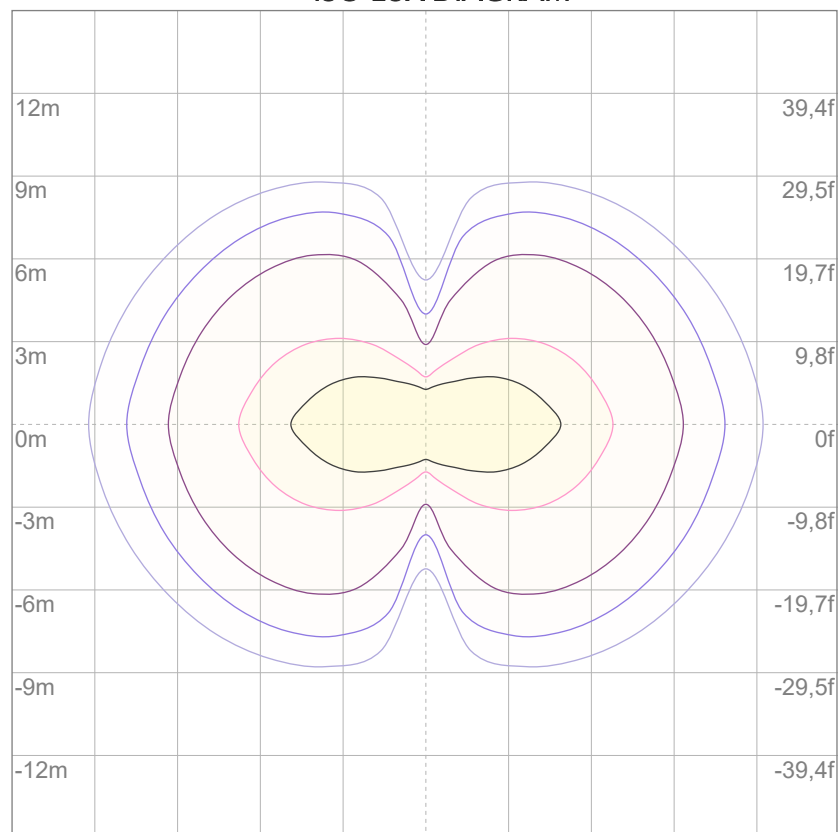
10%	141 cd
20%	282 cd
30%	424 cd
40%	565 cd
50%	706 cd
60%	847 cd
70%	988 cd
80%	1129 cd

Conditions:

Number of c-planes: 4

Candela at center: 1412 cd

ISO LUX DIAGRAM



3%	0,424 lx
5%	0,706 lx
10%	1,41 lx
30%	4,24 lx
50%	7,06 lx

Conditions:

Number of c-planes: 4

Lux at center: 14,1 lx

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



Total lumen output:

417 lm

Peak candela output:

703 cd

Light quality:

CRI: 96,6

Color temperature:

2672 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

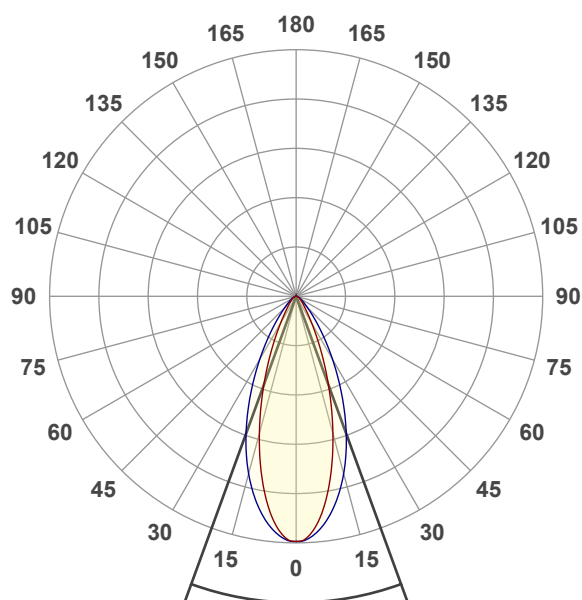
2700K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 14:47:51

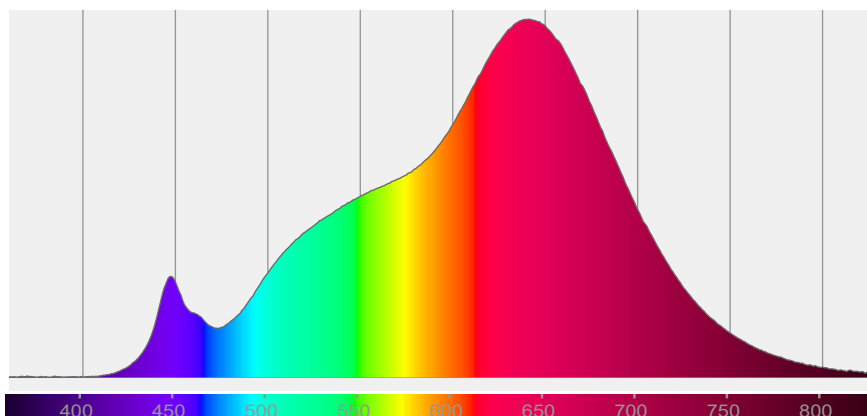


Beam angle 50%: 40,1°

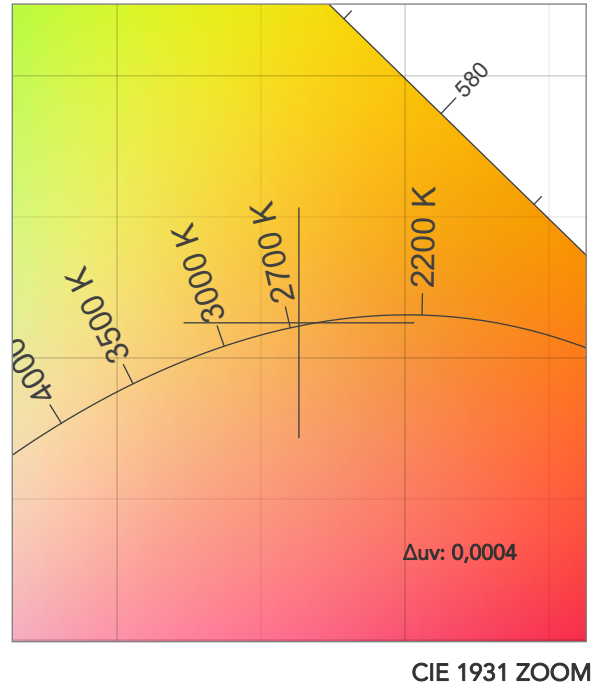
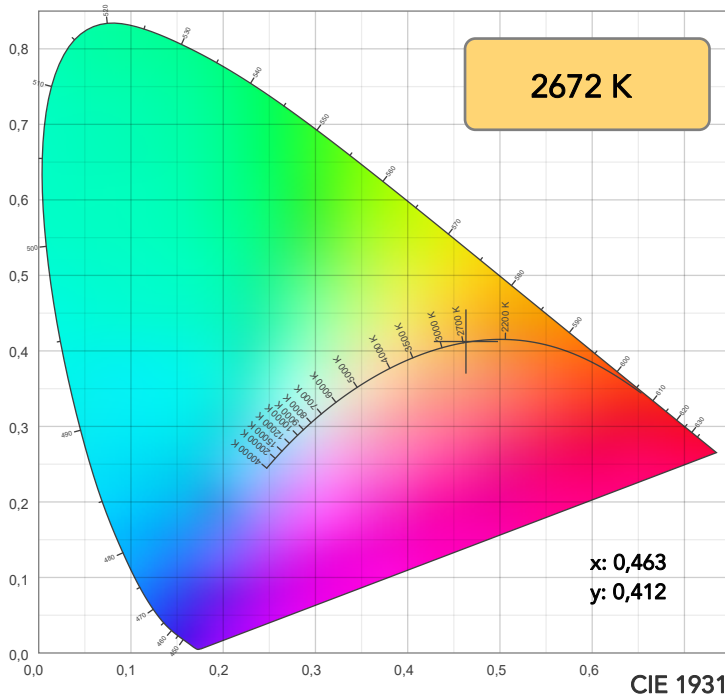
Field angle 10%: 73,1°

Cut off angle 2.5%: 108,3°

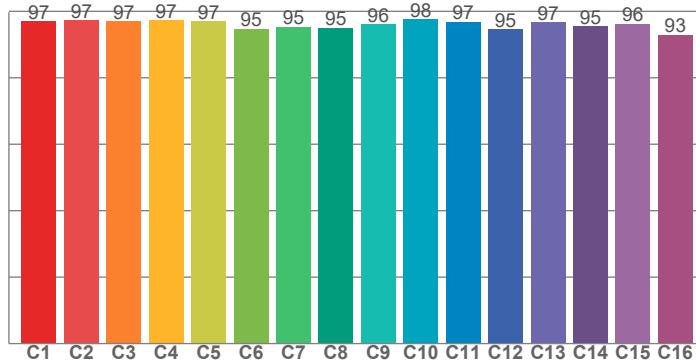
Spectra



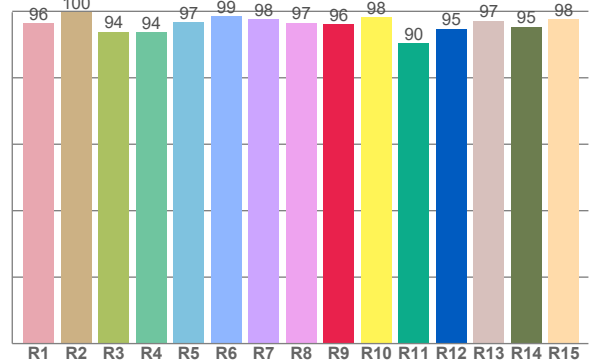
COLOR DETAILS



TM30: 96,3



CRI: 96,6 (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
96,4	99,8	93,8	93,6	96,7	98,6	97,6	96,5	96,1	98,3	90,5	94,8	97,1	95,4	97,6

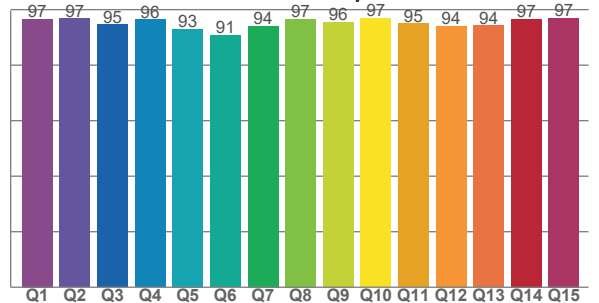
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,6	96,7	94,6	96,5	93,0	90,8	94,1	96,6	95,6	96,9	95,0	94,1	94,2	96,6	97,0

CQS: 94,7



COLOR PARAMETERS

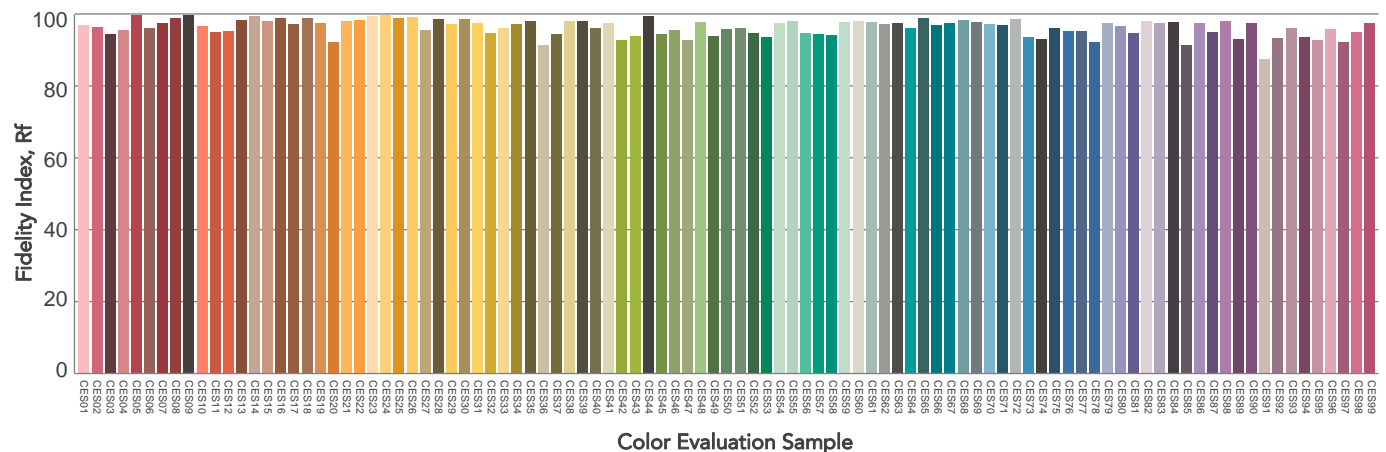
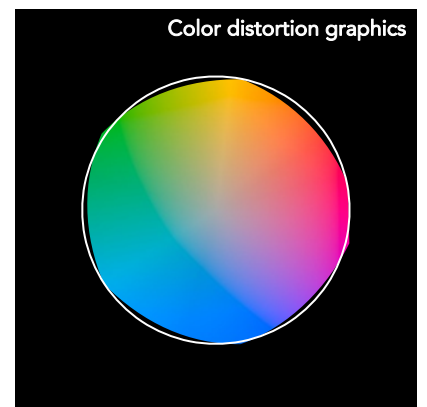
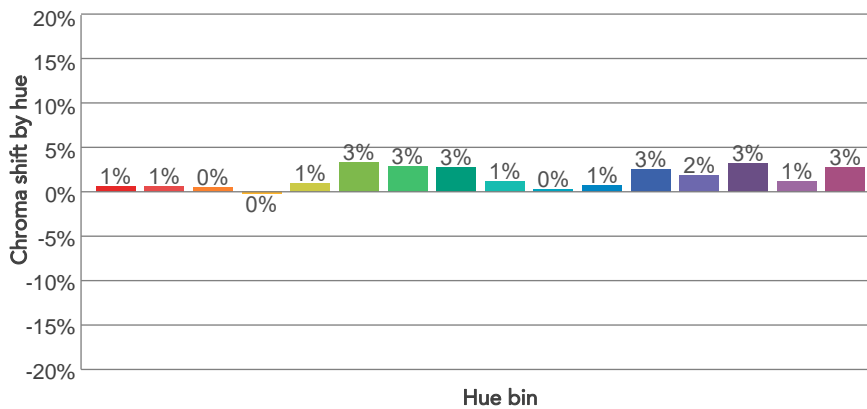
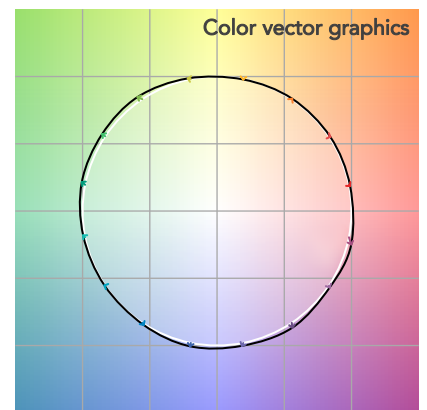
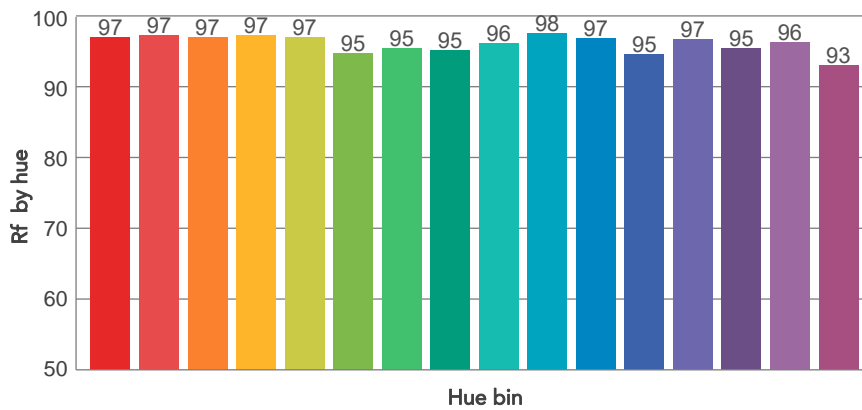
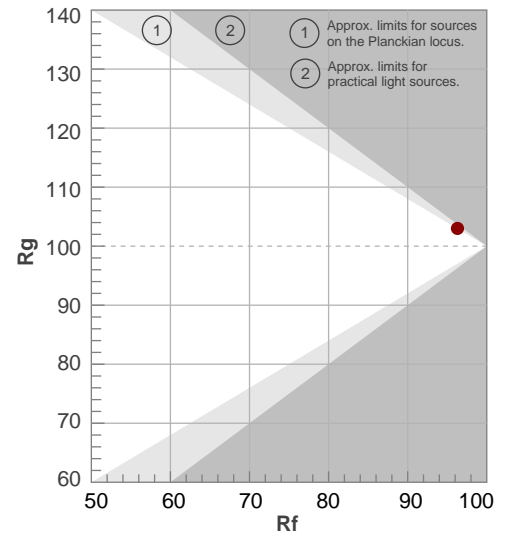
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2672 K	96,6	96,1	96,3	103,0	94,7	98	0,463	0,412	0,0004

TM30 DETAILS

Rf 96,3
Fidelity index Rf

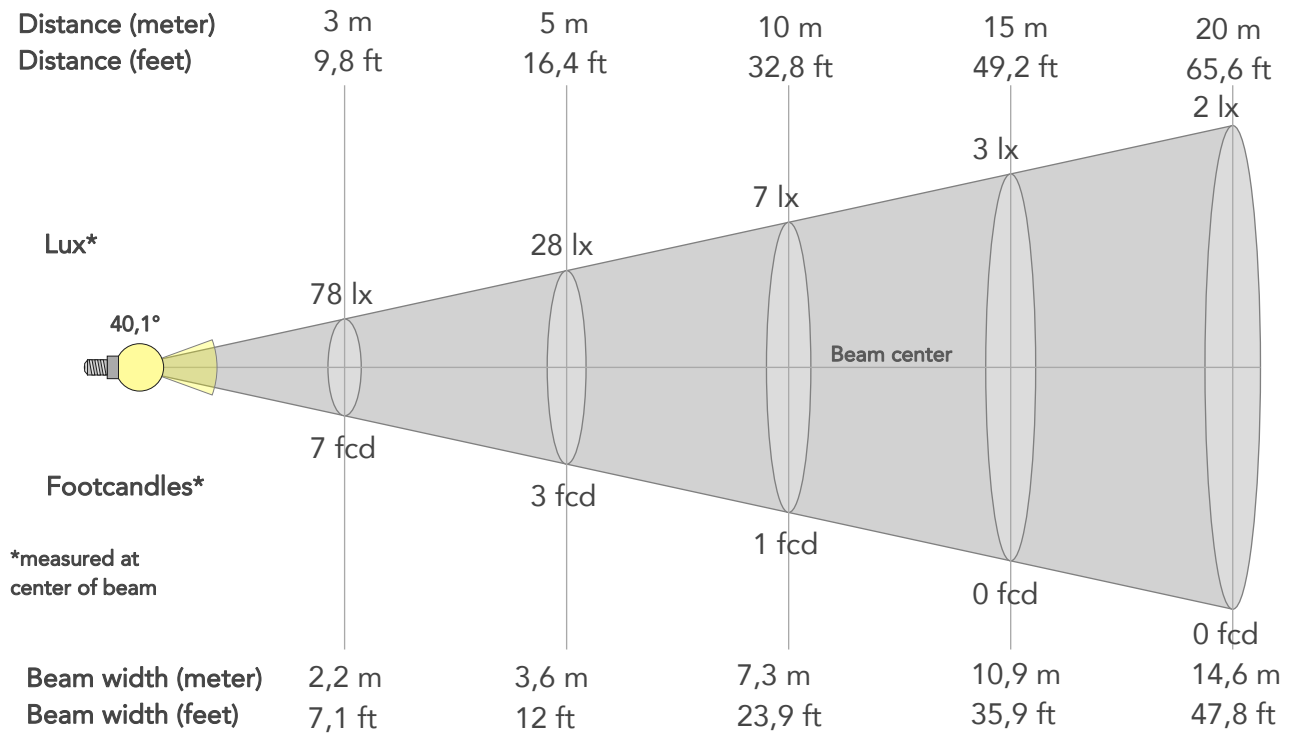
Rg 103,0
Gammut index

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



BEAM DETAILS

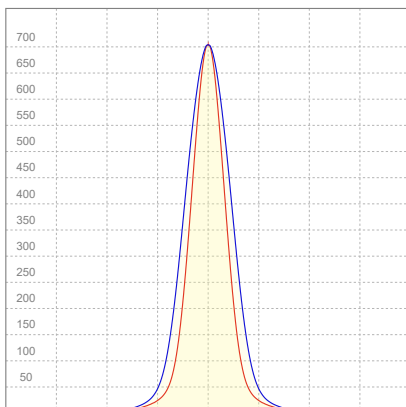
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40,1°	73,1°	108,3°	95,9%	89,3%



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	703lx	176lx	78lx	44lx	28lx	12lx	7lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	65fcd	16fcd	7fcd	4fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	2,9m	3,6m	5,5m	7,3m	10,9m	14,6m	18,2m	21,9m	29,2m	36,5m
Beam wid.	2,4ft	4,8ft	7,1ft	9,6ft	12ft	17,9ft	23,9ft	35,9ft	47,8ft	59,8ft	71,7ft	95,7ft	119,6ft

LINEAR DISTRIBUTION DIAGRAM

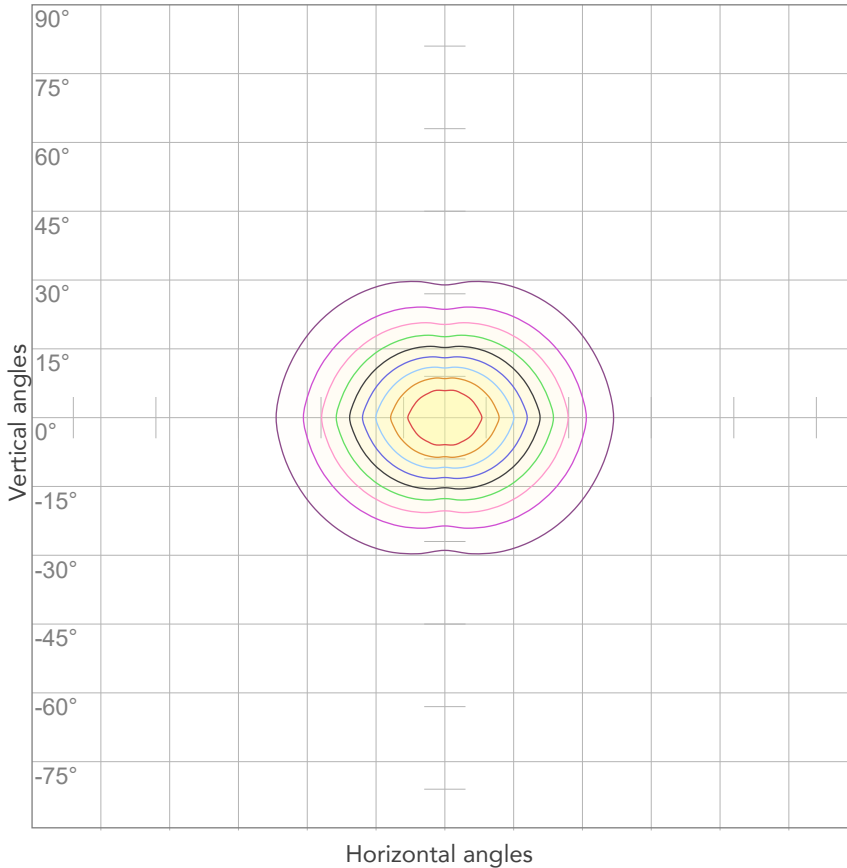


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
229V	0,082A	13,4W	0,72	31lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



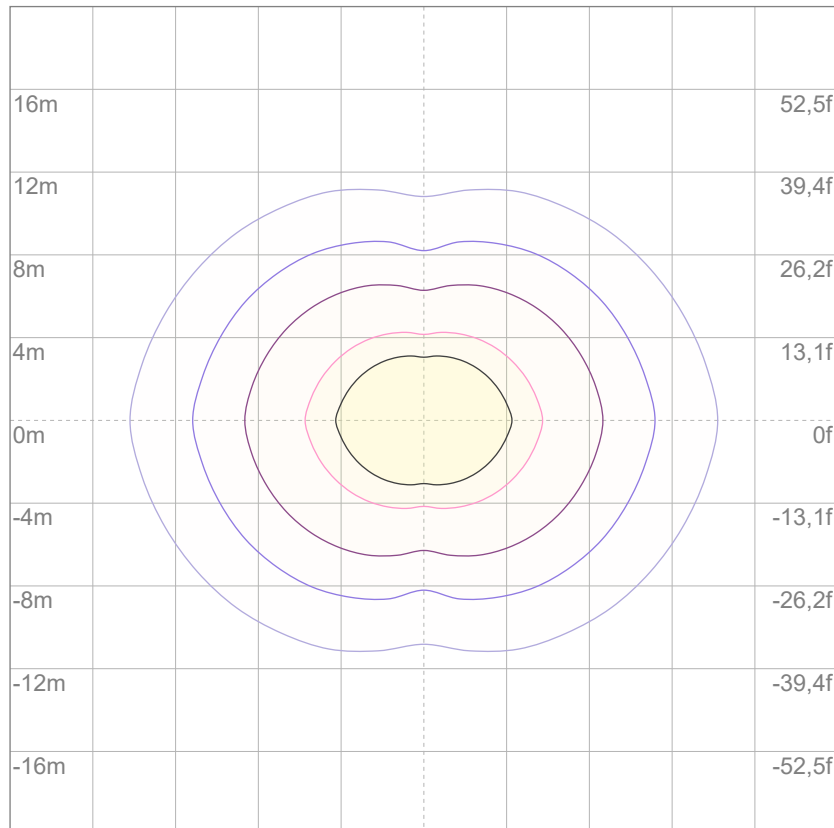
10%	70 cd
20%	141 cd
30%	211 cd
40%	281 cd
50%	351 cd
60%	422 cd
70%	492 cd
80%	562 cd

Conditions:

Number of c-planes: 4

Candela at center: 703 cd

ISO LUX DIAGRAM



3%	0,211 lx
5%	0,351 lx
10%	0,703 lx
30%	2,11 lx
50%	3,51 lx

Conditions:

Number of c-planes: 4

Lux at center: 7,03 lx

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



Total lumen output:

675 lm

Peak candela output:

13292 cd

Light quality:

CRI: 94,9

Color temperature:

3203 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

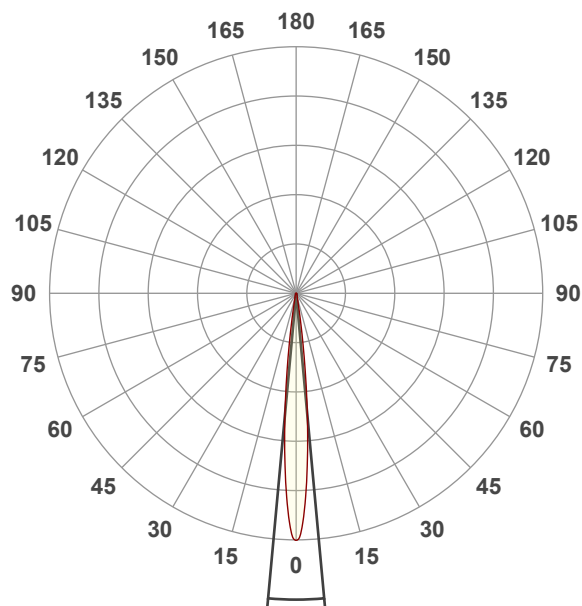
3200K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 11:31:41

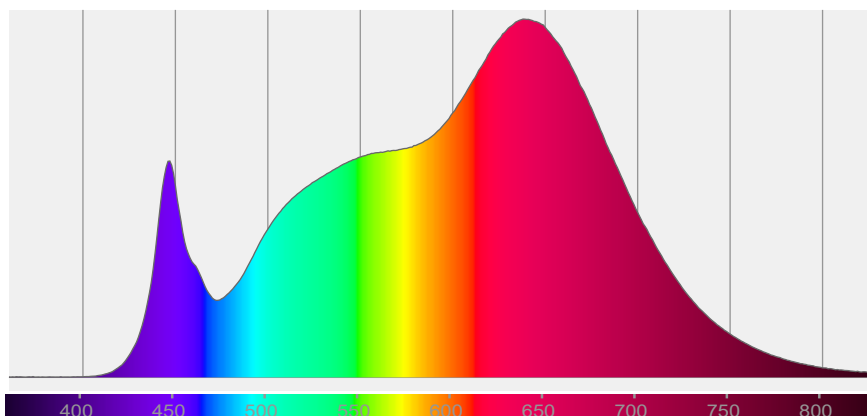


Beam angle 50%: 10,5°

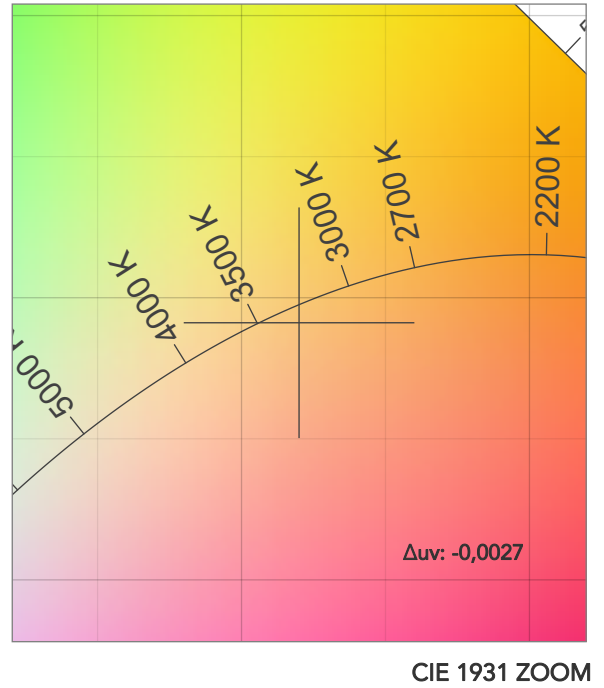
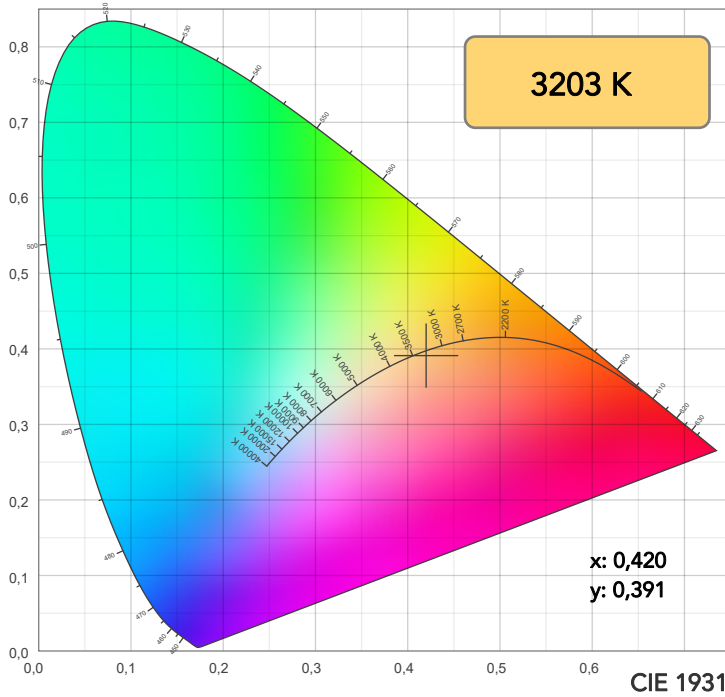
Field angle 10%: 18,6°

Cut off angle 2.5%: 26,8°

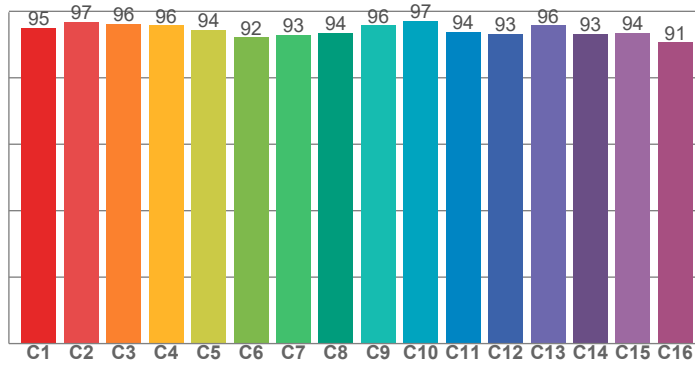
Spectra



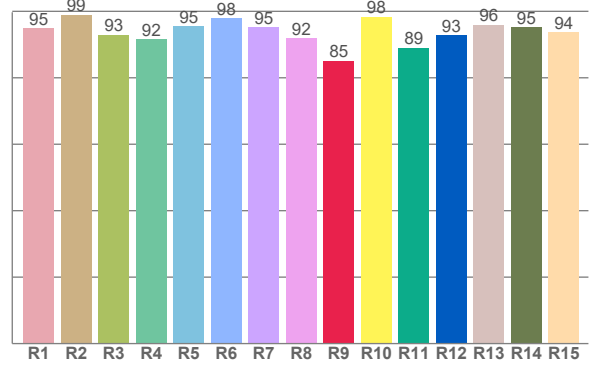
COLOR DETAILS



TM30: 94,6



CRI: 94,9 (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
94,9	99,0	92,9	91,6	95,5	97,9	95,2	91,9	85,1	98,3	89,1	92,8	96,0	95,1	93,7

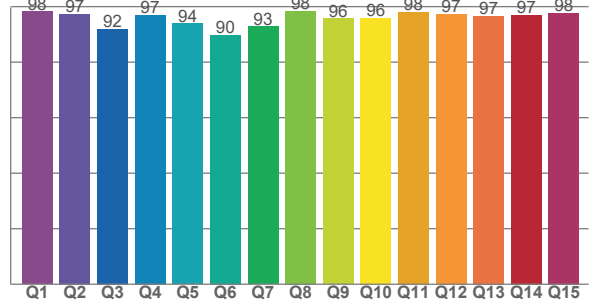
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 94,9



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3203 K	94,9	85,1	94,6	105,5	94,9	97	0,420	0,391	-0,0027

TM30 DETAILS

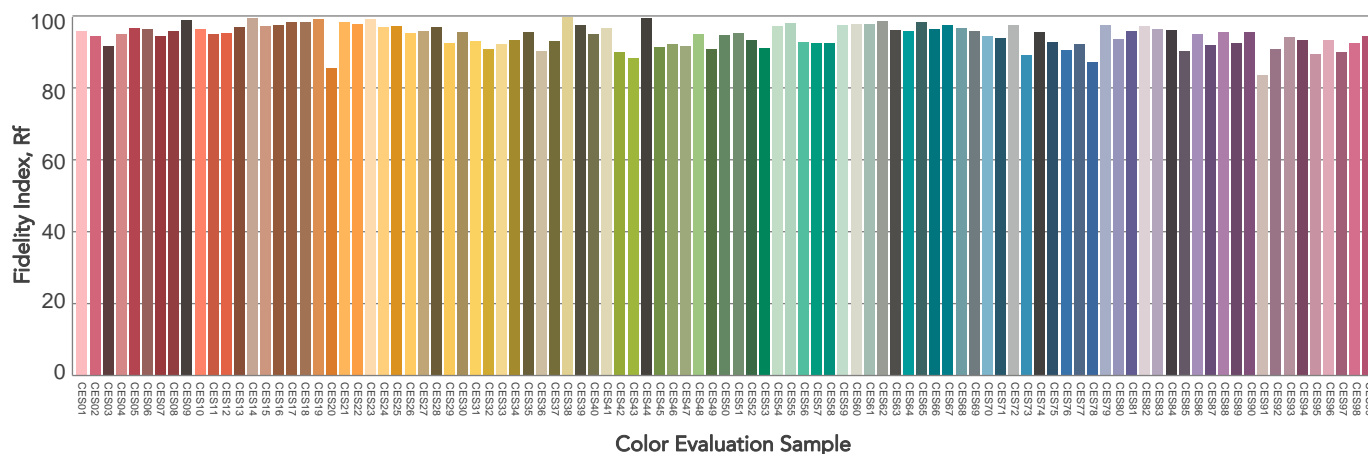
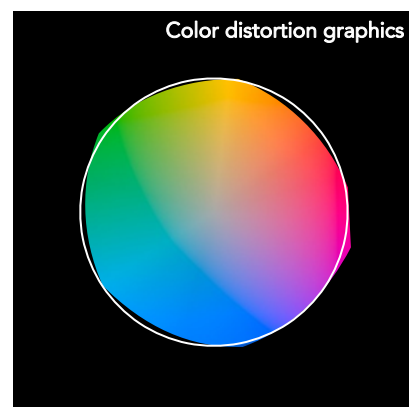
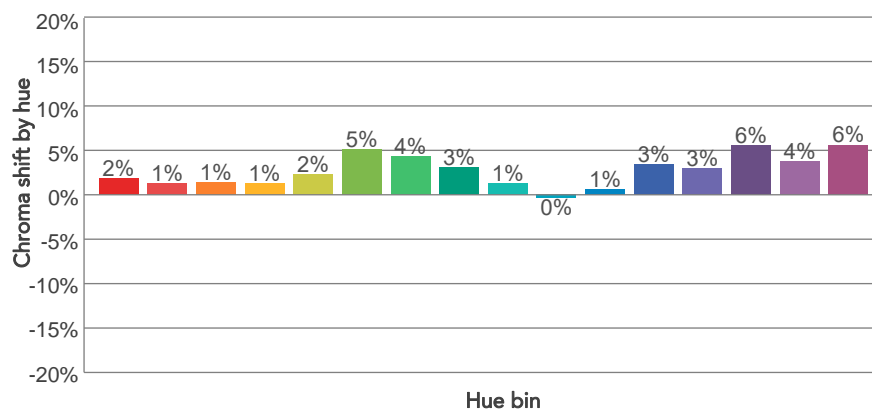
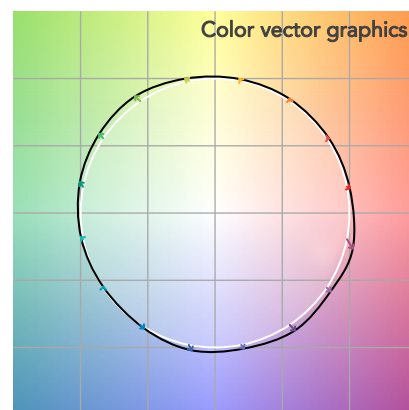
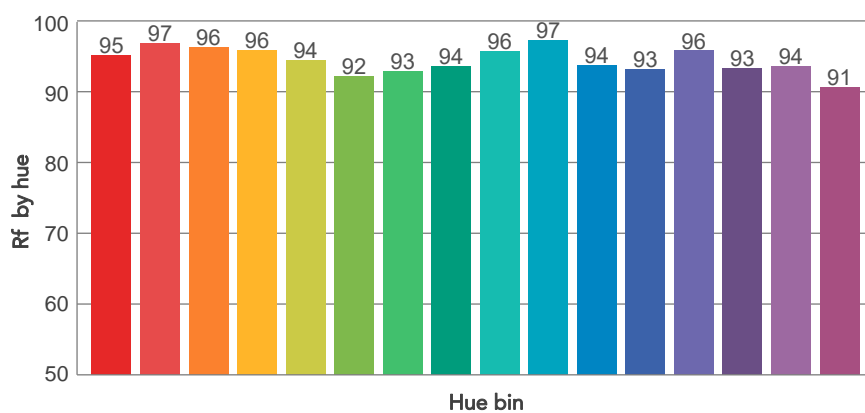
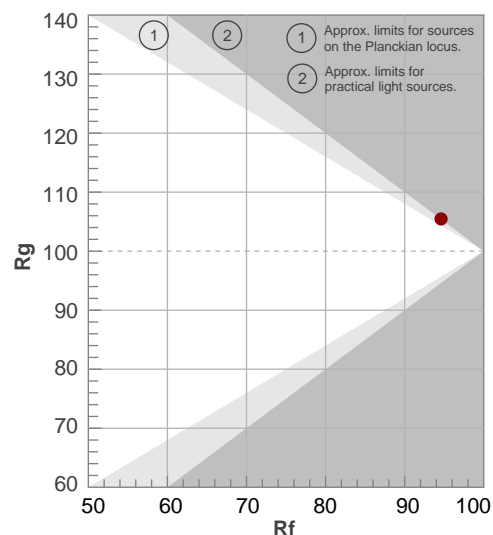
Rf 94,6

Fidelity index Rf

Rg 105,5

Gammut index

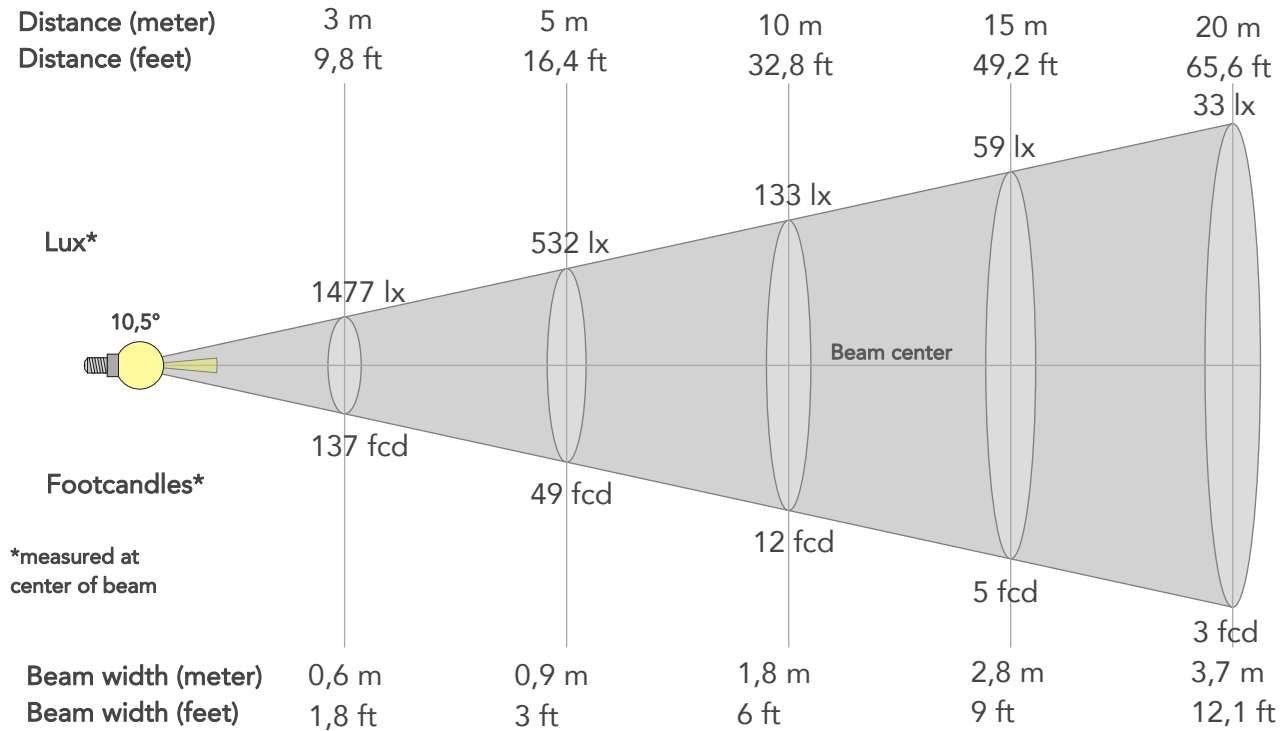
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	97	1%	-1%
3	96	1%	1%
4	96	1%	2%
5	94	2%	2%
6	92	5%	1%
7	93	4%	-1%
8	94	3%	-3%
9	96	1%	-2%
10	97	0%	0%
11	94	1%	4%
12	93	3%	3%
13	96	3%	1%
14	93	6%	1%
15	94	4%	-1%
16	91	6%	-6%



BEAM DETAILS



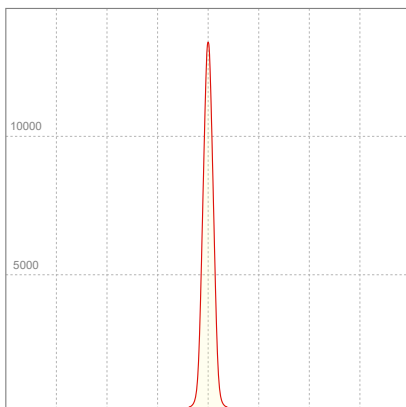
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,5°	18,6°	26,8°	96,0%	93,2%



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	13292lx	3323lx	1477lx	831lx	532lx	236lx	133lx	59lx	33lx	21lx	15lx	8lx	5lx
Footcand.	1235fcd	309fcd	137fcd	77fcd	49fcd	22fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,2m	0,4m	0,6m	0,7m	0,9m	1,4m	1,8m	2,8m	3,7m	4,6m	5,5m	7,4m	9,2m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	6ft	9ft	12,1ft	15,1ft	18,1ft	24,1ft	30,2ft

LINEAR DISTRIBUTION DIAGRAM

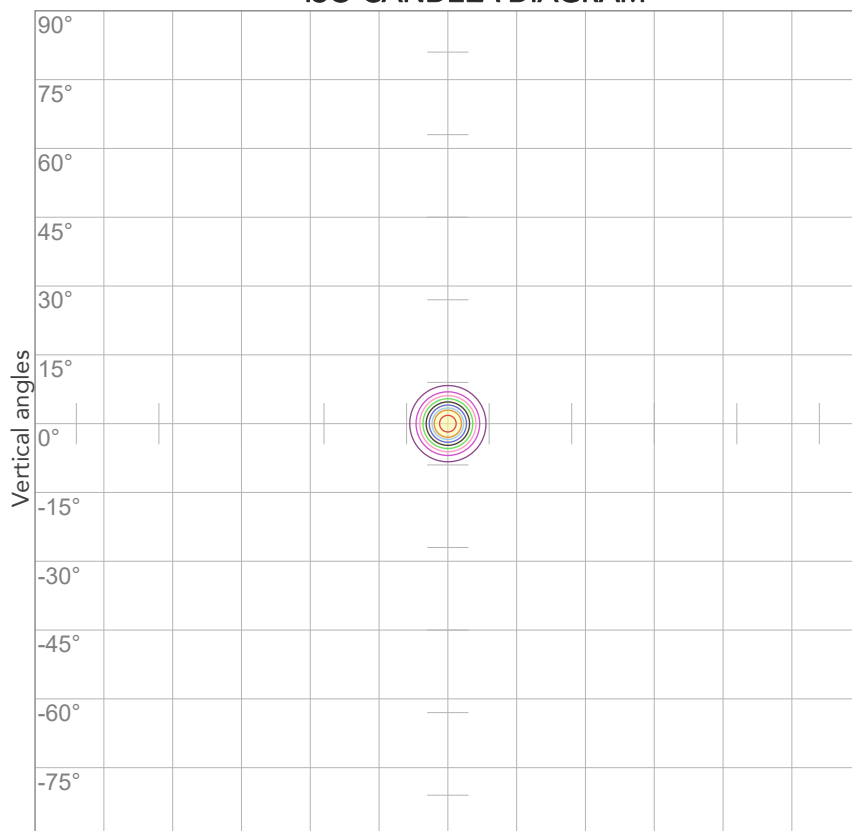


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,089A	16,0W	0,79	42lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



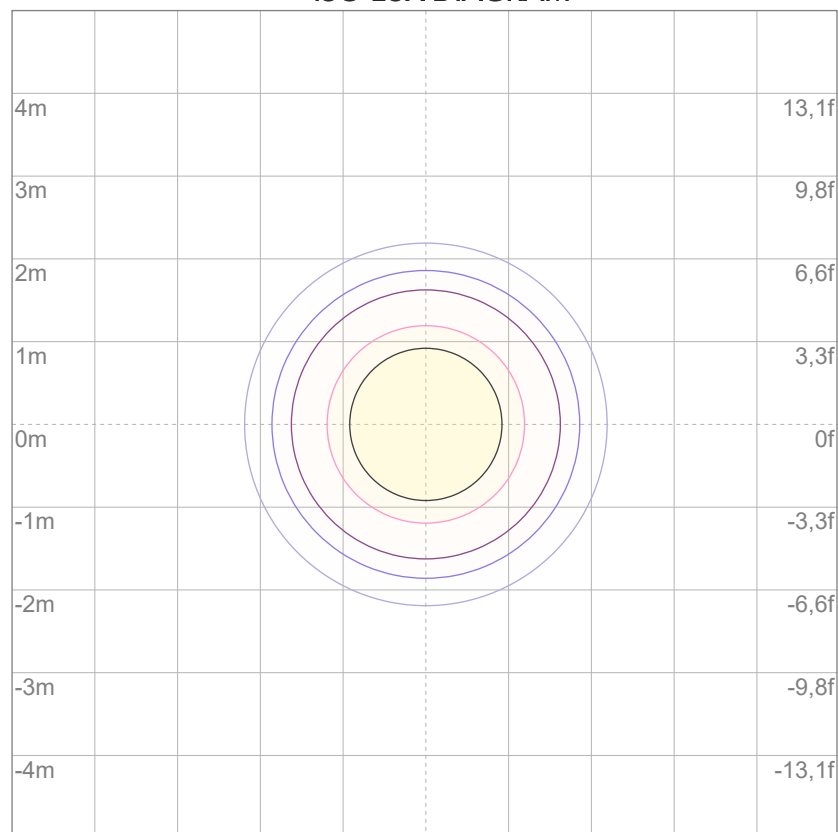
10%	1329 cd
20%	2658 cd
30%	3988 cd
40%	5317 cd
50%	6646 cd
60%	7975 cd
70%	9304 cd
80%	10633 cd

Conditions:

Number of c-planes: 2

Candela at center: 13292 cd

ISO LUX DIAGRAM



3%	3,99 lx
5%	6,65 lx
10%	13,3 lx
30%	39,9 lx
50%	66,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 133 lx

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



Total lumen output:

616 lm

Peak candela output:

2573 cd

Light quality:

CRI: 94,7

Color temperature:

3213 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

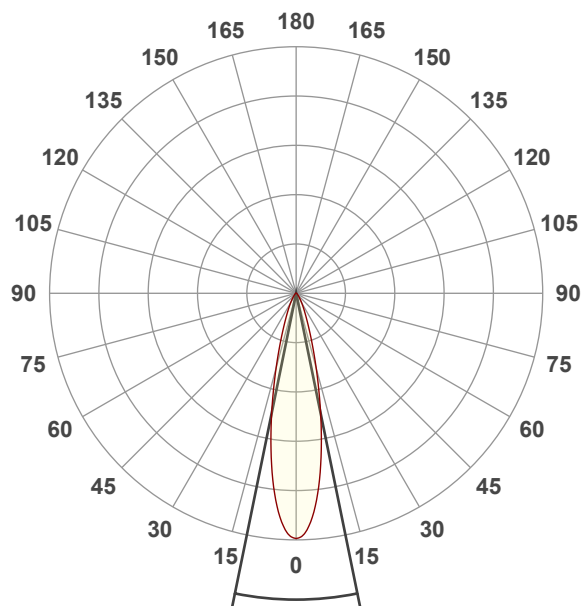
3200K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 12:11:02

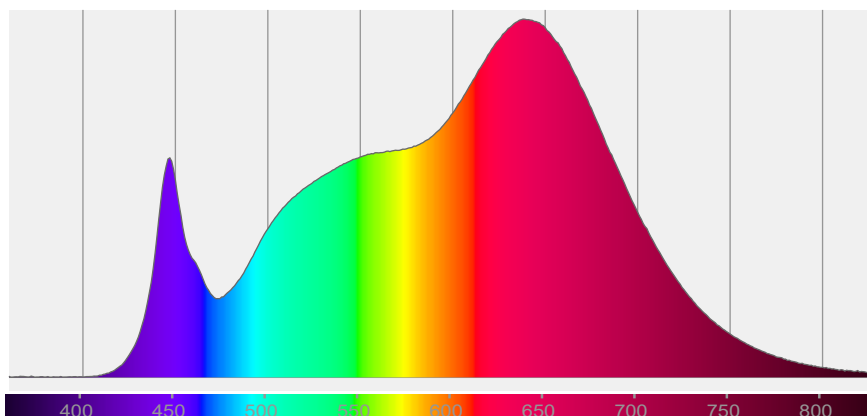


Beam angle 50%: 23,1°

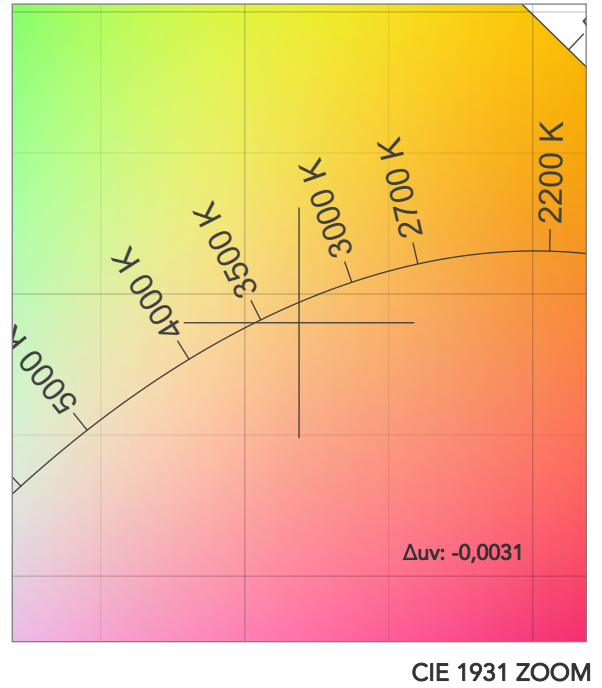
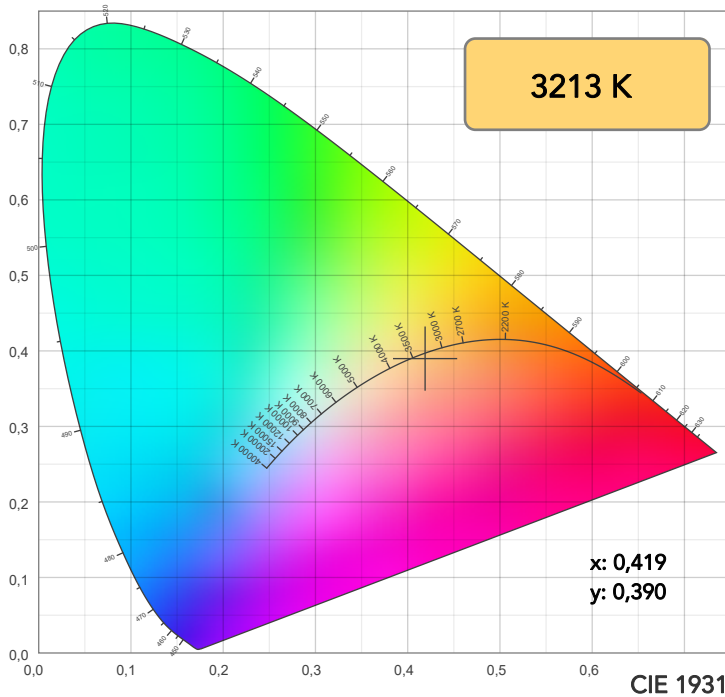
Field angle 10%: 46,3°

Cut off angle 2.5%: 71,3°

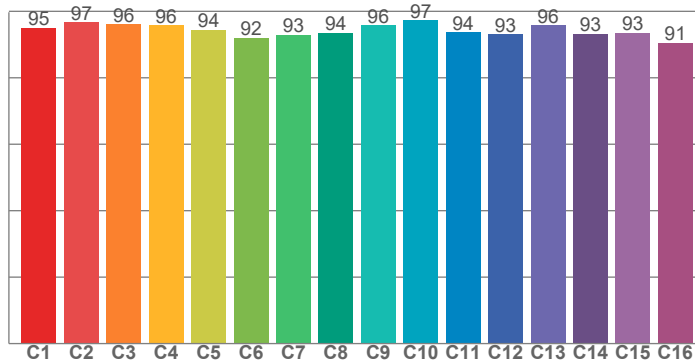
Spectra



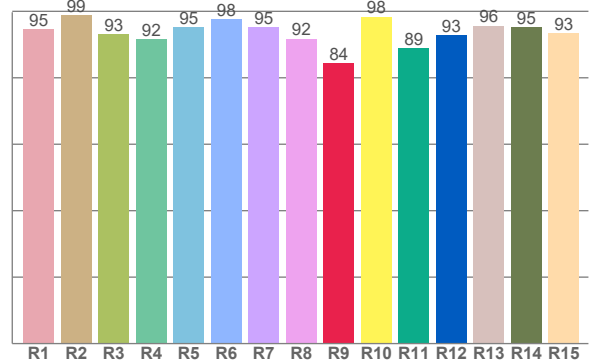
COLOR DETAILS



TM30: 94,5



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
94,6	98,8	93,1	91,5	95,2	97,7	95,3	91,7	84,4	98,4	88,9	92,7	95,7	95,2	93,4

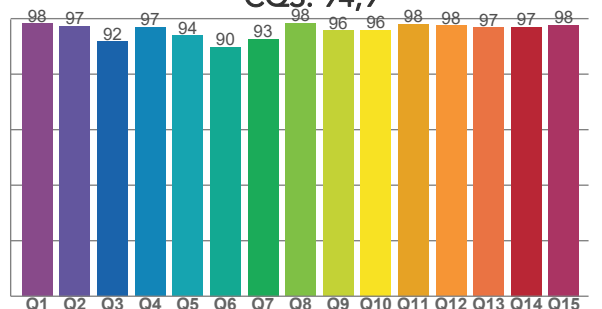
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,2	97,4	91,8	96,9	94,0	89,8	92,7	98,3	95,7	95,9	98,0	97,5	96,7	96,9	97,6

CQS: 94,9



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3213 K	94,7	84,4	94,5	105,6	94,9	97	0,419	0,390	-0,0031

TM30 DETAILS

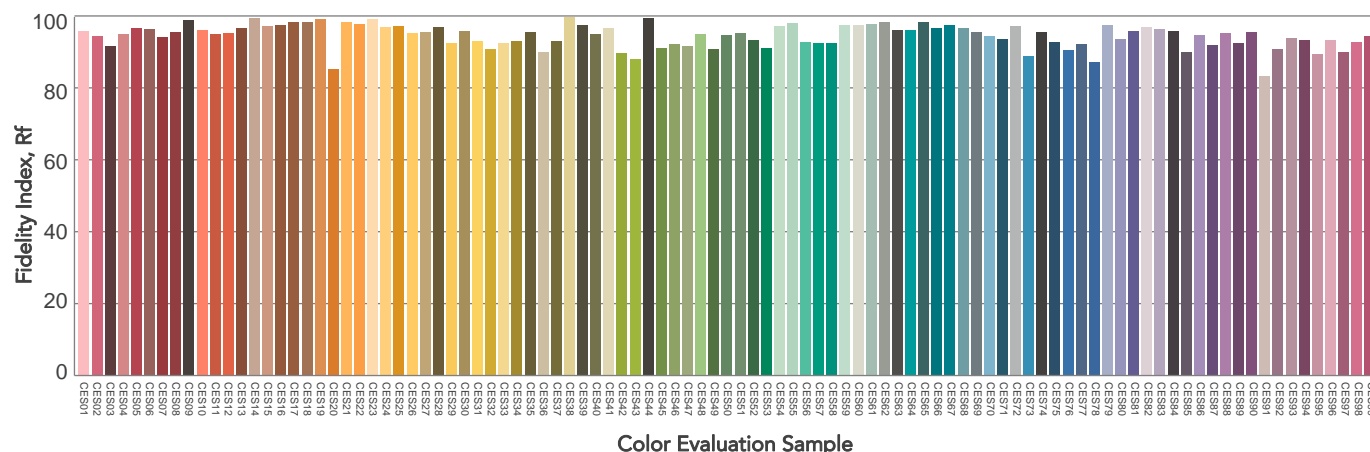
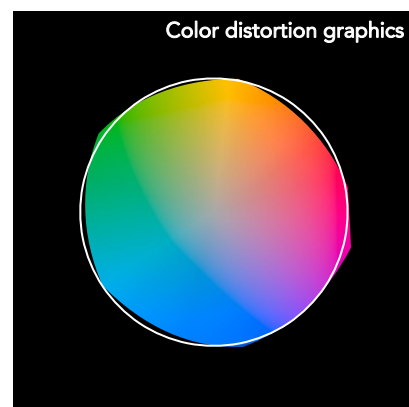
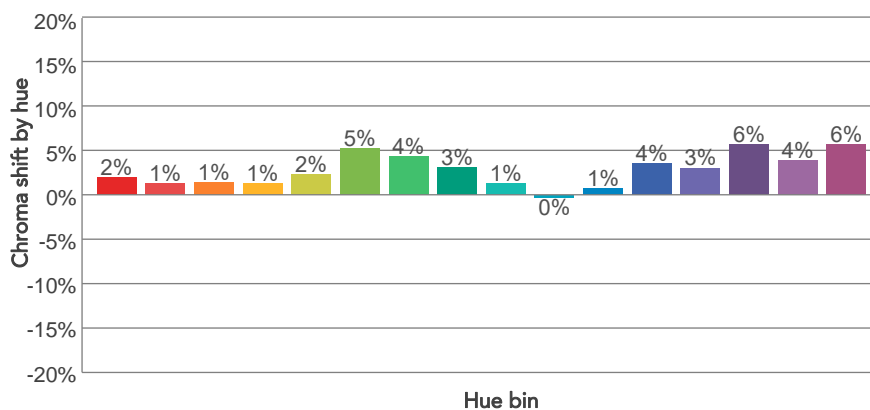
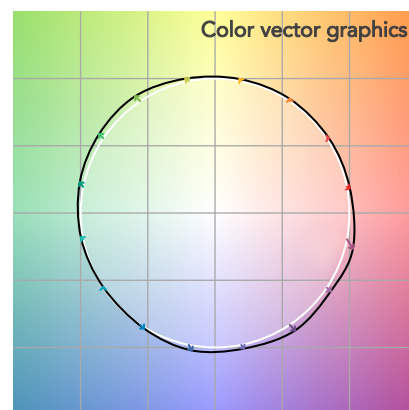
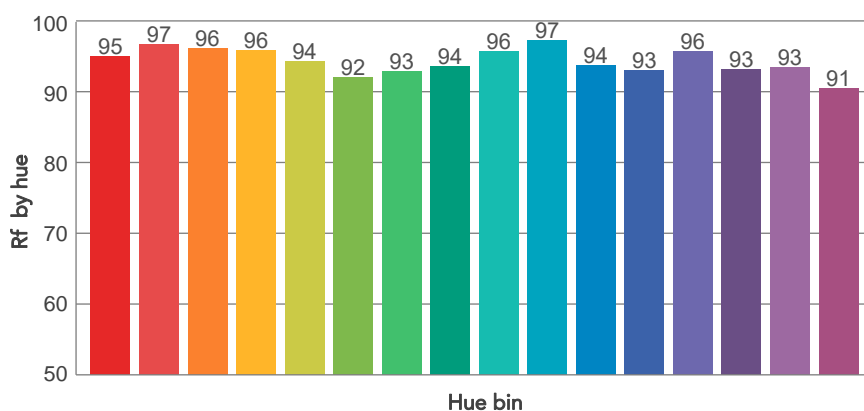
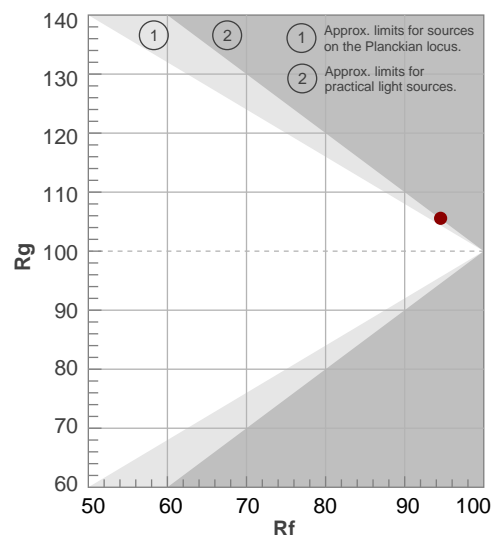
Rf 94,5

Fidelity index Rf

Rg 105,6

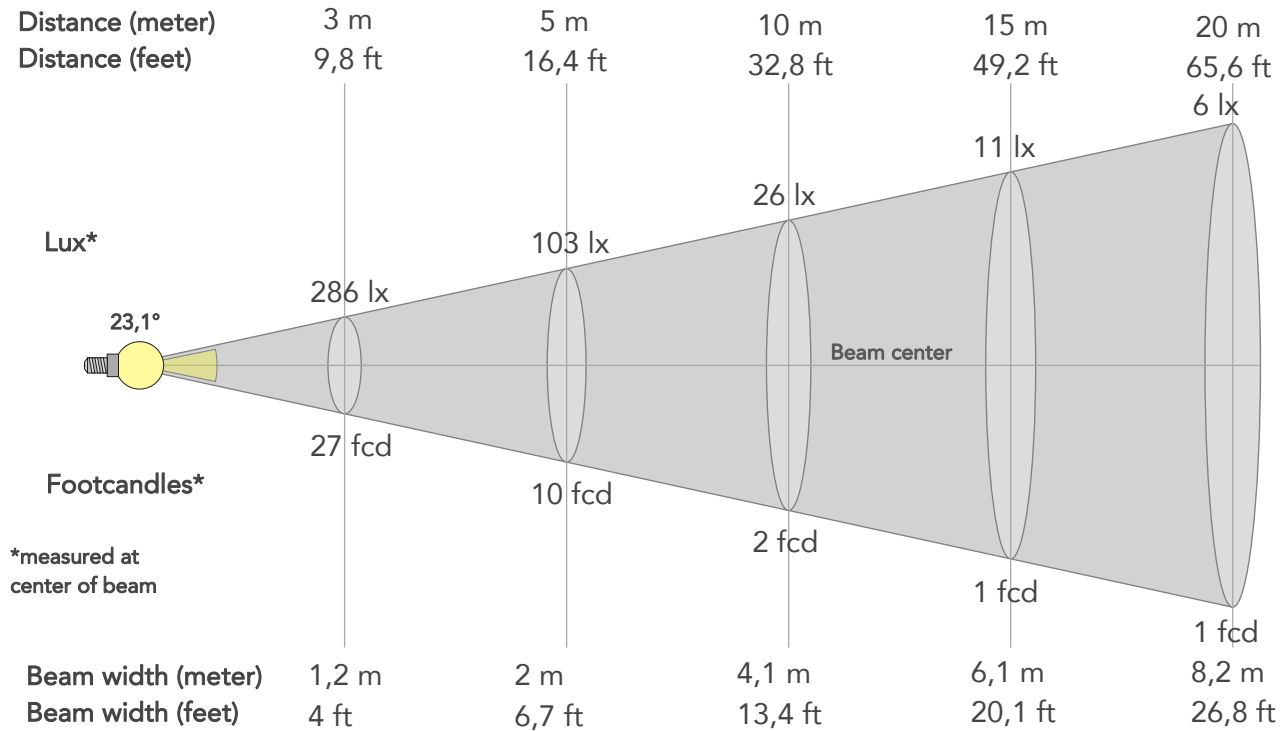
Gammut index

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



BEAM DETAILS

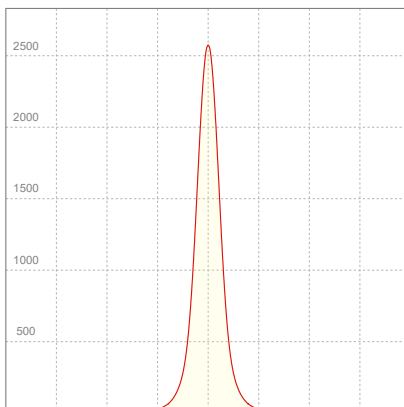
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,1°	46,3°	71,3°	97,4%	93,5%



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	2573lx	643lx	286lx	161lx	103lx	46lx	26lx	11lx	6lx	4lx	3lx	2lx	1lx
Footcand.	239fcd	60fcd	27fcd	15fcd	10fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3,1m	4,1m	6,1m	8,2m	10,2m	12,2m	16,3m	20,4m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,7ft	10ft	13,4ft	20,1ft	26,8ft	33,5ft	40,1ft	53,5ft	66,9ft

LINEAR DISTRIBUTION DIAGRAM

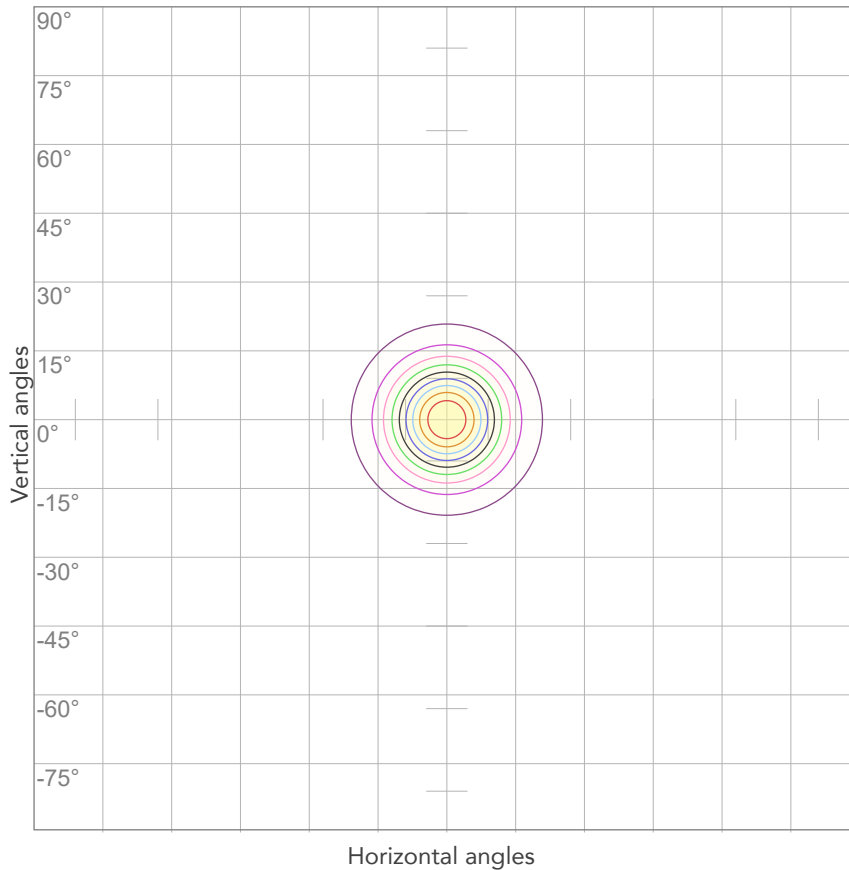


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,090A	16,1W	0,79	38lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



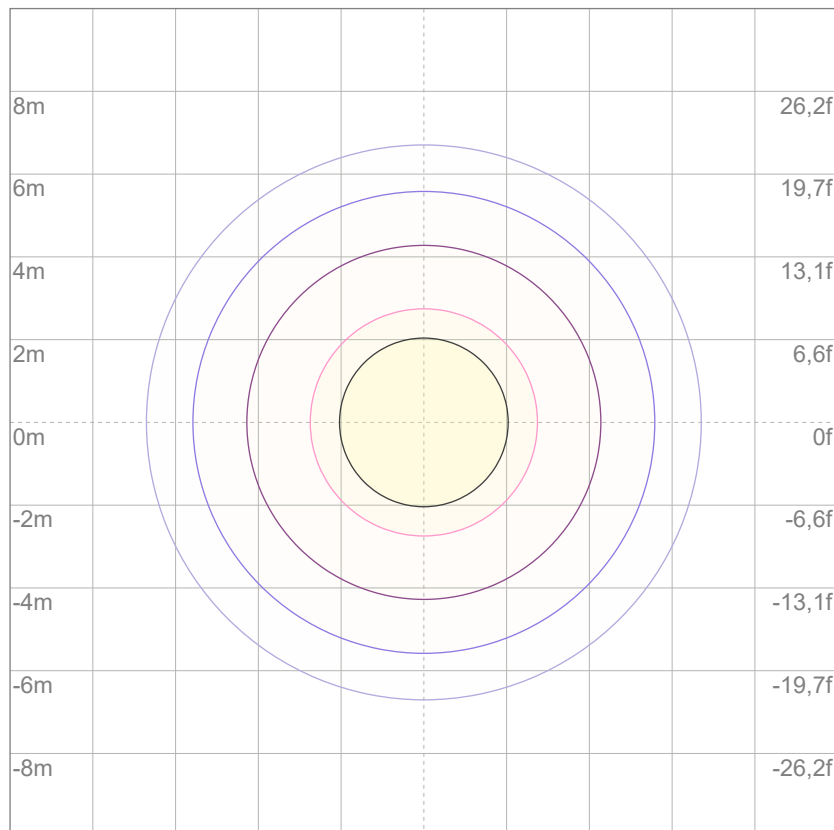
10%	257 cd
20%	515 cd
30%	772 cd
40%	1029 cd
50%	1287 cd
60%	1544 cd
70%	1801 cd
80%	2059 cd

Conditions:

Number of c-planes: 2

Candela at center: 2573 cd

ISO LUX DIAGRAM



3%	0,772 lx
5%	1,29 lx
10%	2,57 lx
30%	7,72 lx
50%	12,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 25,7 lx

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



Total lumen output:

588 lm

Peak candela output:

751 cd

Light quality:

CRI: 94,6

Color temperature:

3232 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

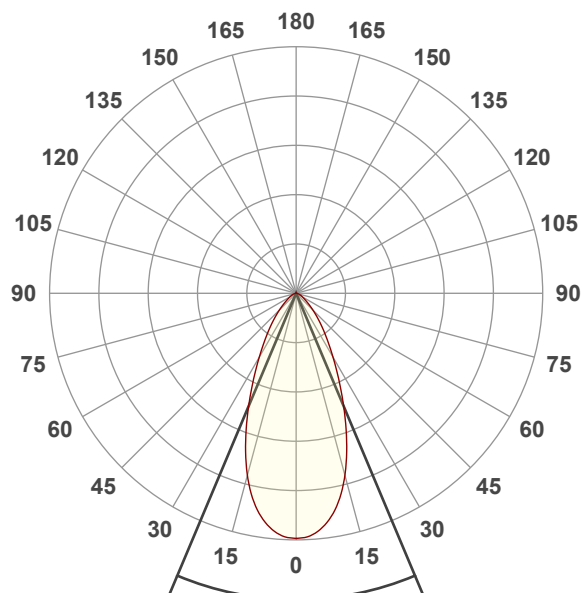
3200K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 12:37:59

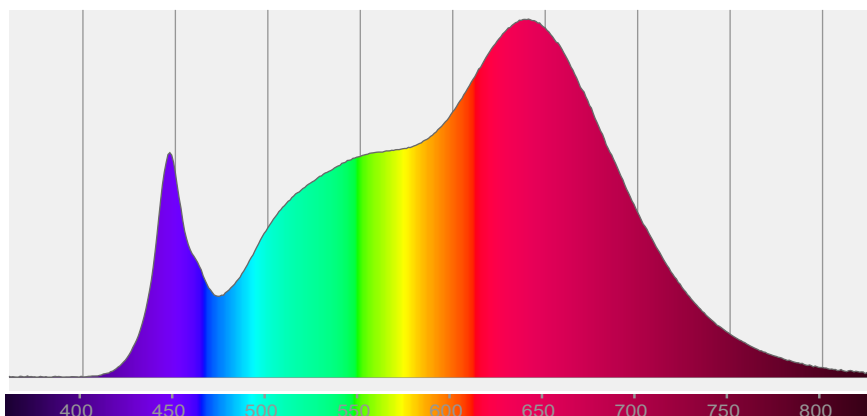


Beam angle 50%: 45,7°

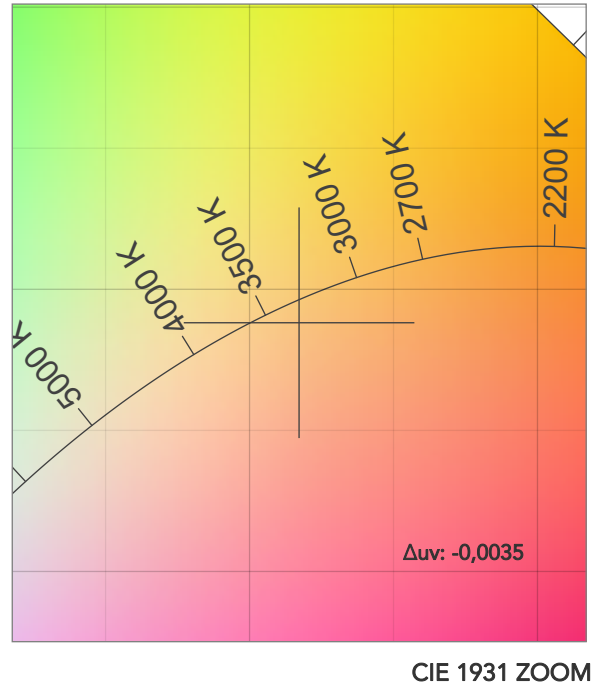
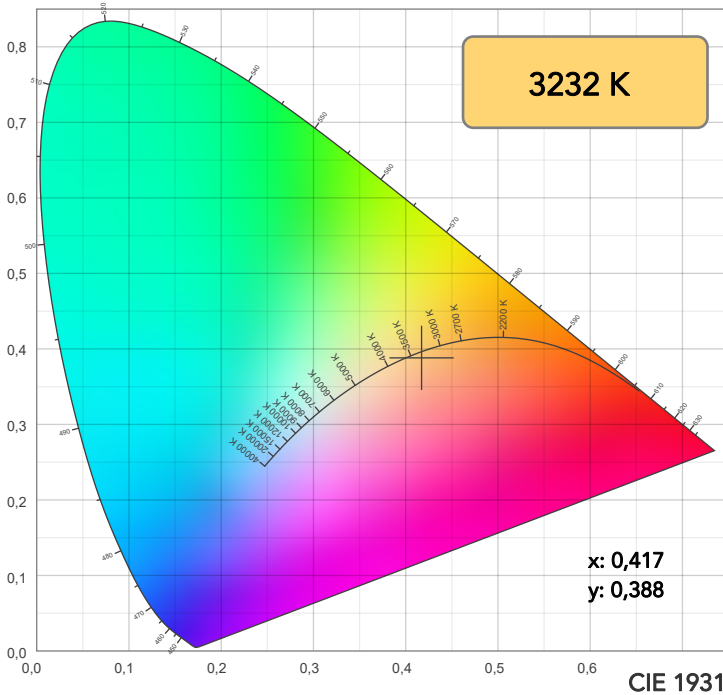
Field angle 10%: 89,3°

Cut off angle 2.5%: 125°

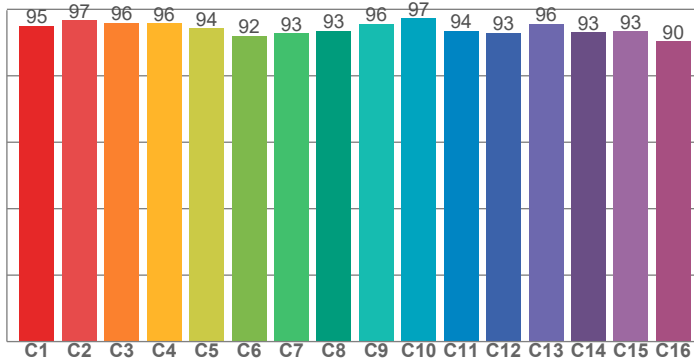
Spectra



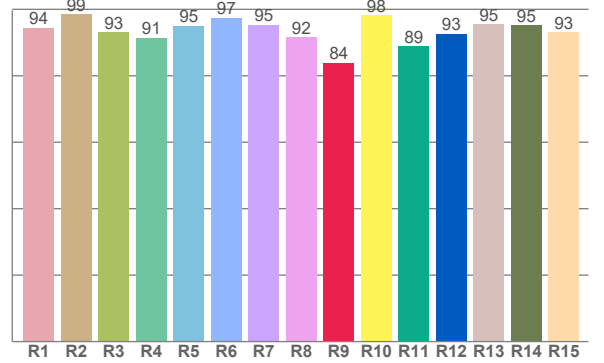
COLOR DETAILS



TM30: 94,5



CRI: 94,6 (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
94,4	98,6	93,2	91,4	95,0	97,4	95,4	91,6	83,9	98,3	88,8	92,6	95,4	95,2	93,1

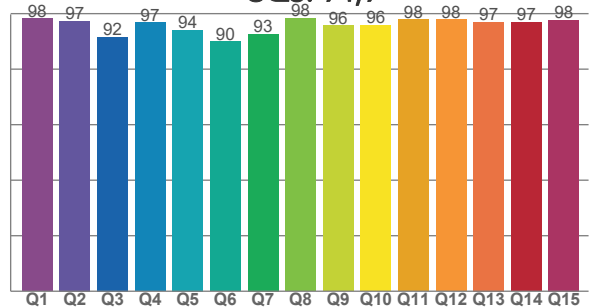
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,3	97,3	91,6	96,7	94,2	89,9	92,7	98,3	95,7	95,8	97,9	97,8	97,0	96,9	97,7

CQS: 94,9



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3232 K	94,6	83,9	94,5	105,7	94,9	97	0,417	0,388	-0,0035

TM30 DETAILS

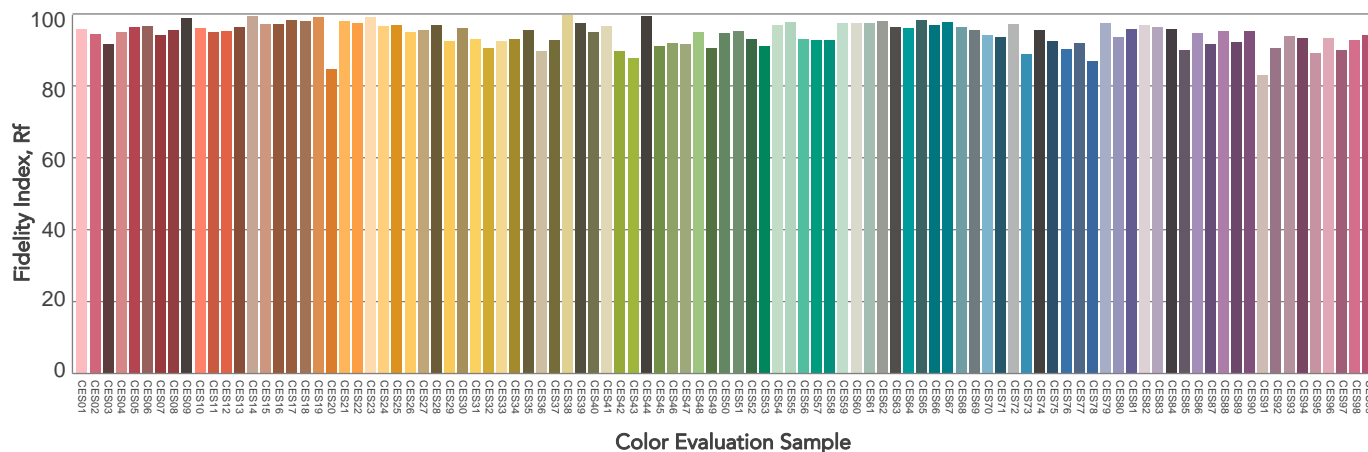
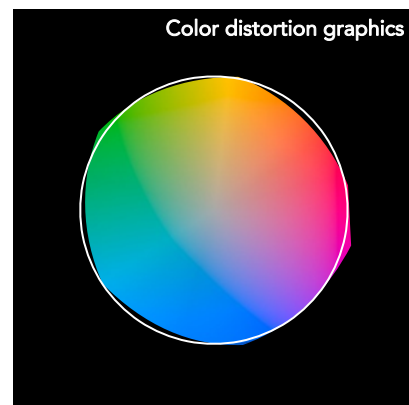
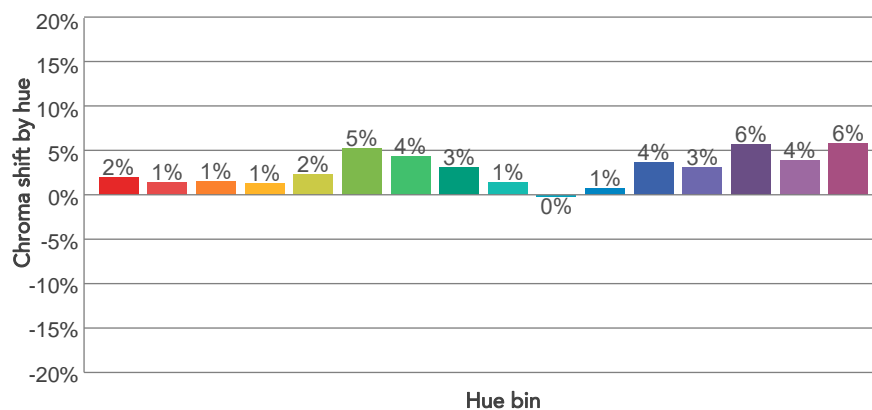
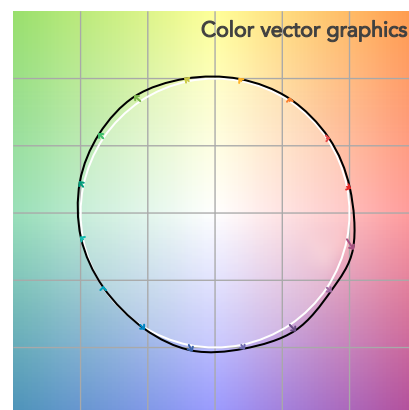
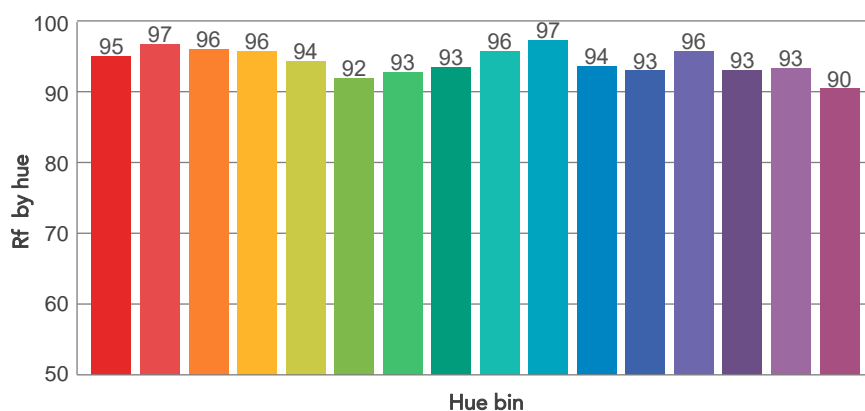
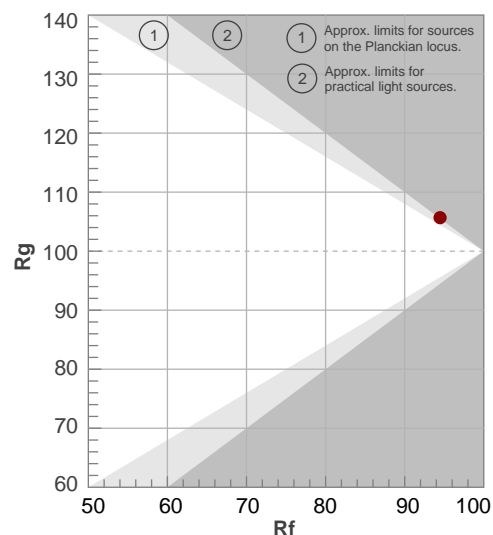
Rf 94,5

Fidelity index Rf

Rg 105,7

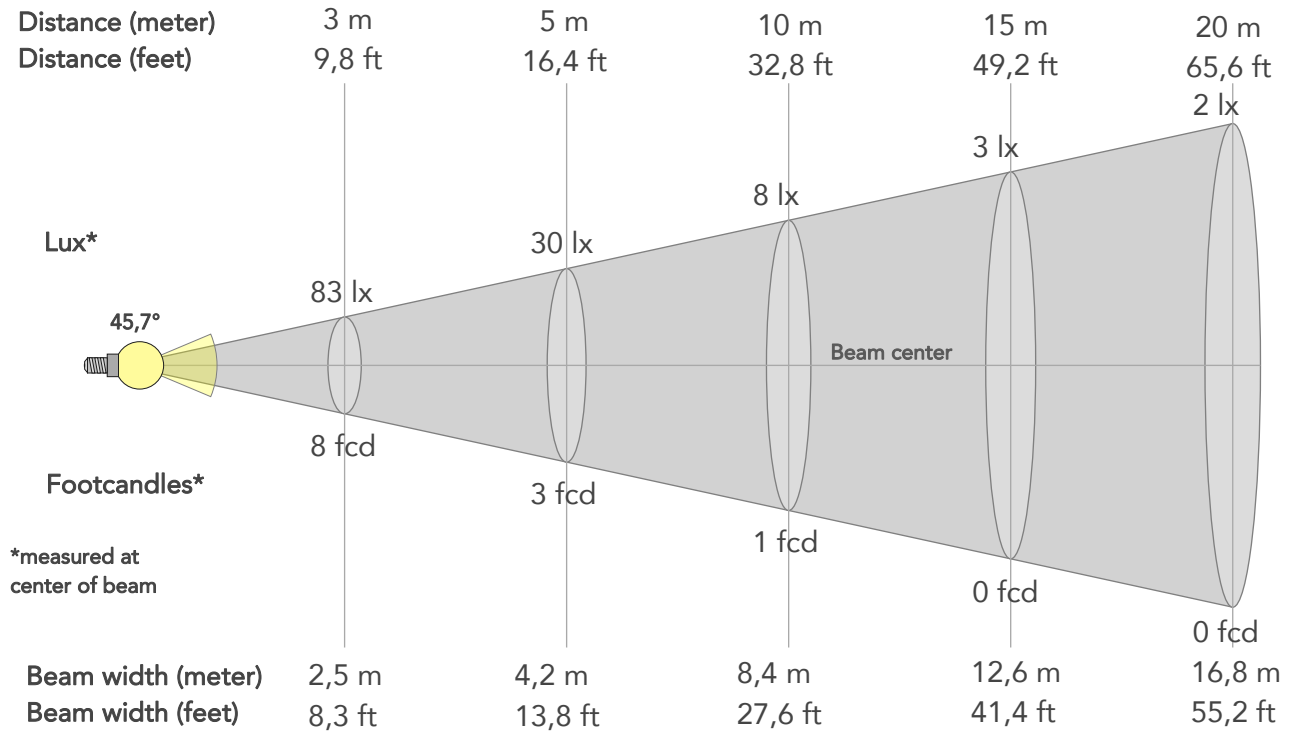
Gammut index

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



BEAM DETAILS

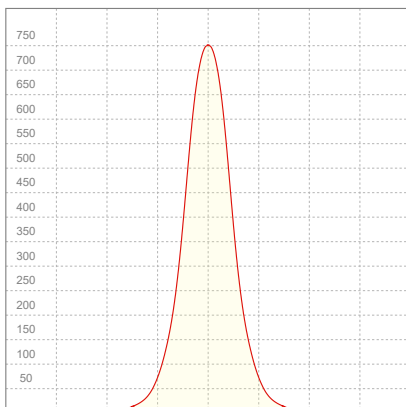
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,7°	89,3°	125°	95,4%	86,4%



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	751lx	188lx	83lx	47lx	30lx	13lx	8lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	70fcd	17fcd	8fcd	4fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,4m	4,2m	6,3m	8,4m	12,6m	16,8m	21m	25,3m	33,7m	42,1m
Beam wid.	2,8ft	5,6ft	8,3ft	11ft	13,8ft	20,7ft	27,6ft	41,4ft	55,2ft	69ft	82,8ft	110,4ft	138,1ft

LINEAR DISTRIBUTION DIAGRAM

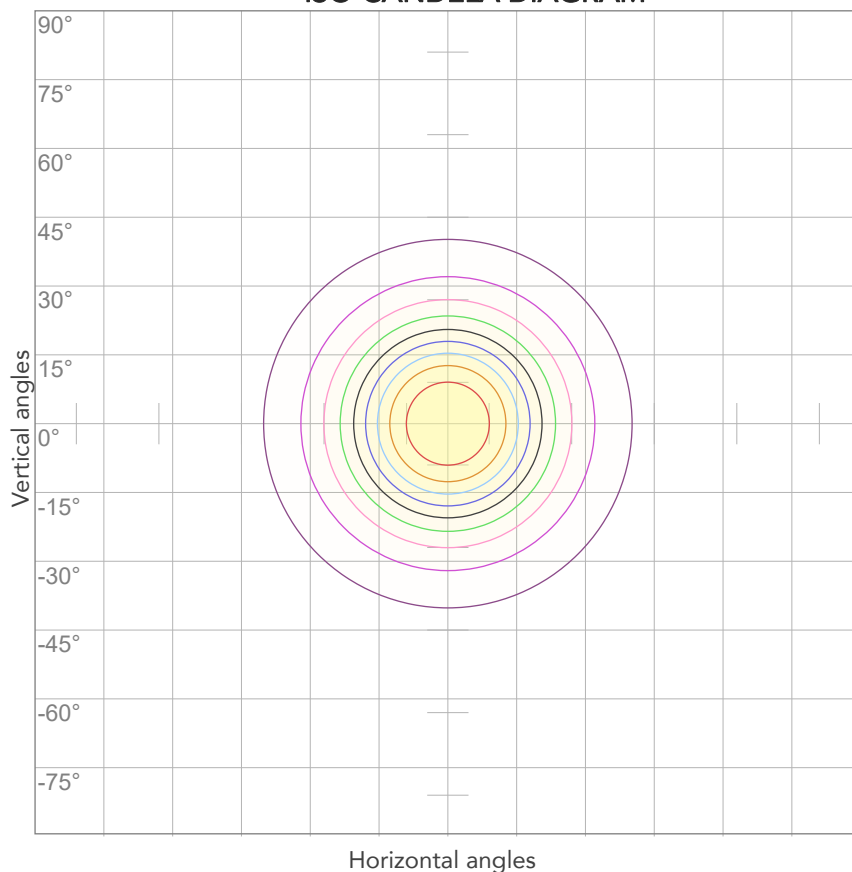


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,090A	16,2W	0,79	36lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



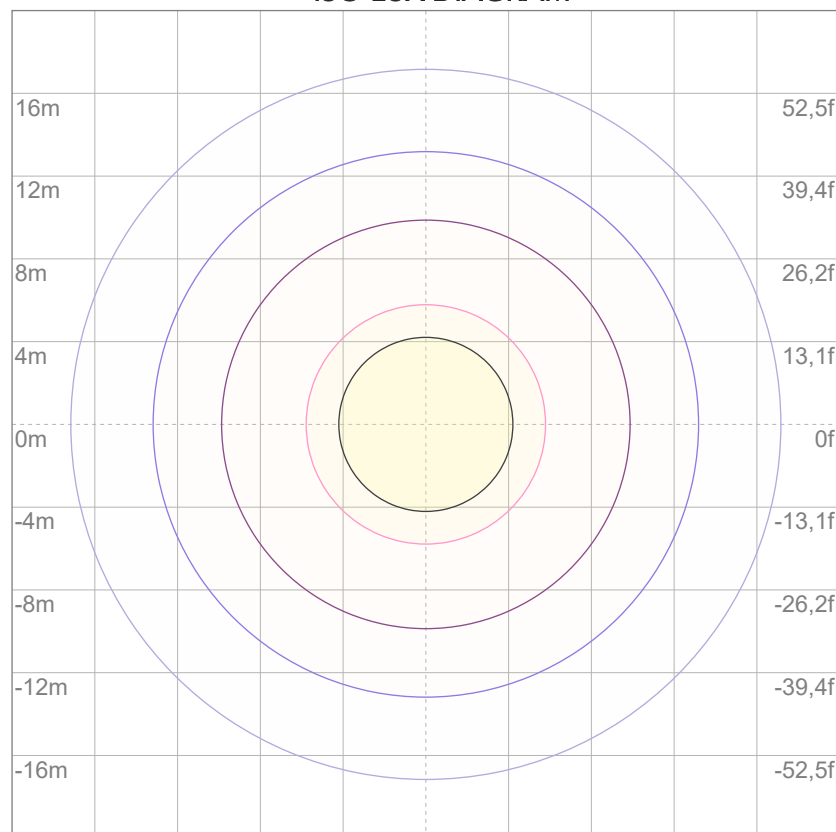
10%	75 cd
20%	150 cd
30%	225 cd
40%	300 cd
50%	375 cd
60%	451 cd
70%	526 cd
80%	601 cd

Conditions:

Number of c-planes: 2

Candela at center: 751 cd

ISO LUX DIAGRAM



3%	0,225 lx
5%	0,375 lx
10%	0,751 lx
30%	2,25 lx
50%	3,75 lx

Conditions:

Number of c-planes: 2

Lux at center: 7,51 lx

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



Total lumen output:

602 lm

Peak candela output:

533 cd

Light quality:

CRI: 94,6

Color temperature:

3210 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

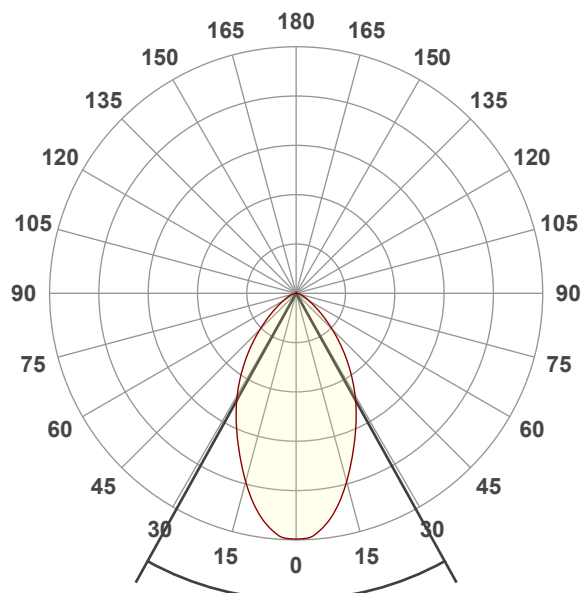
3200K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 13:01:50

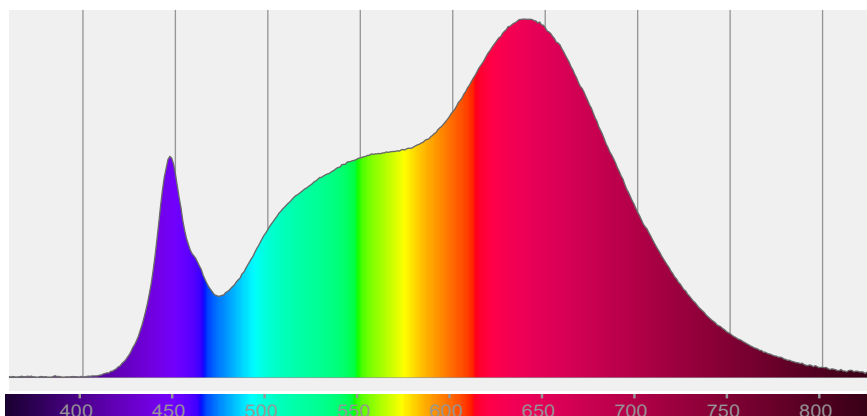


Beam angle 50%: 58°

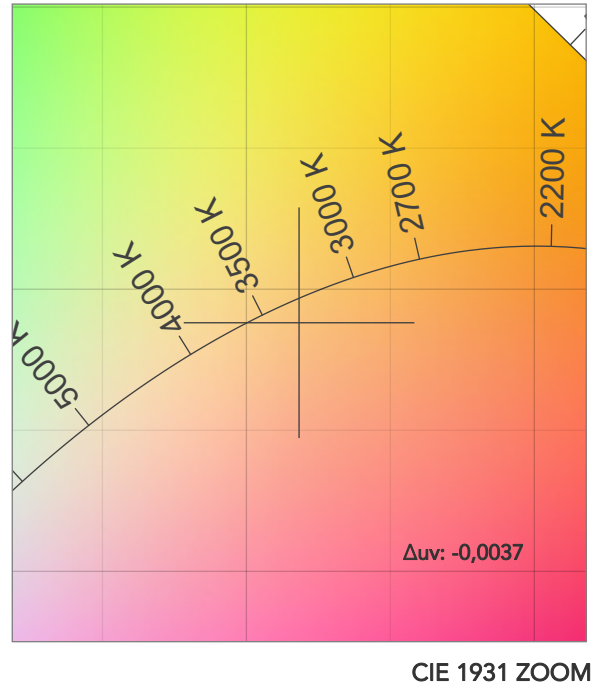
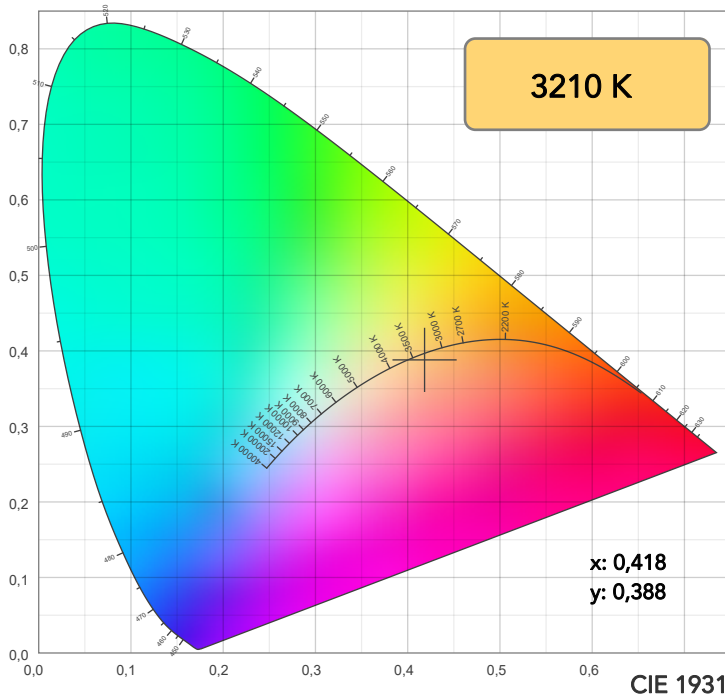
Field angle 10%: 108,1°

Cut off angle 2.5%: 142,2°

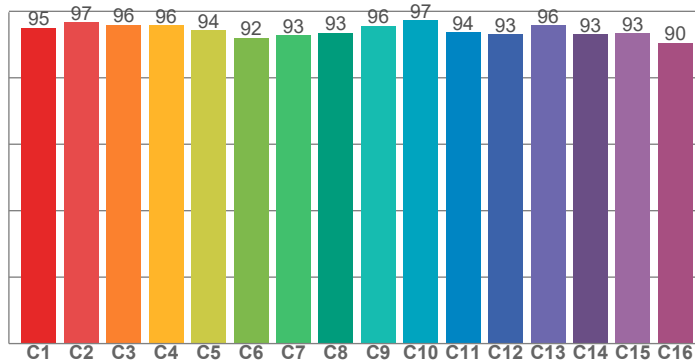
Spectra



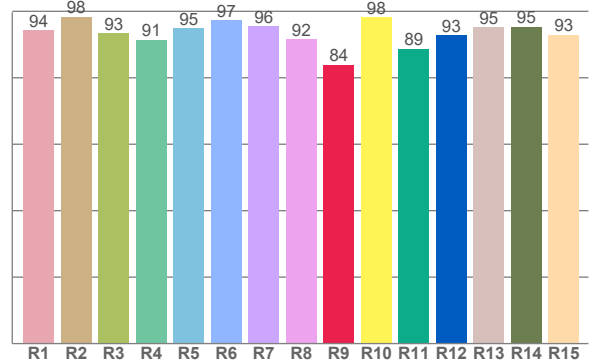
COLOR DETAILS



TM30: 94,5



CRI: 94,6 (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
94,3	98,4	93,4	91,4	94,8	97,2	95,6	91,7	84,0	98,2	88,7	92,7	95,2	95,3	93,0

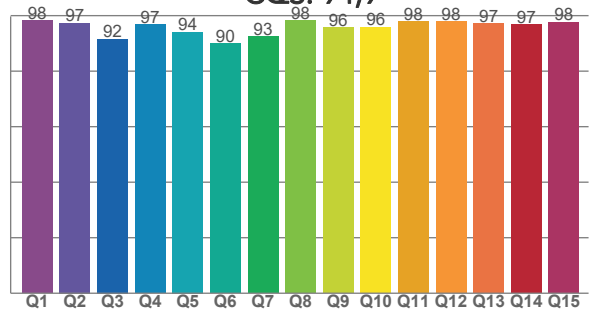
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,2	97,3	91,6	96,7	94,2	89,9	92,5	98,2	95,7	95,8	97,8	97,8	97,1	96,7	97,6

CQS: 94,9



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3210 K	94,6	84,0	94,5	105,7	94,9	97	0,418	0,388	-0,0037

TM30 DETAILS

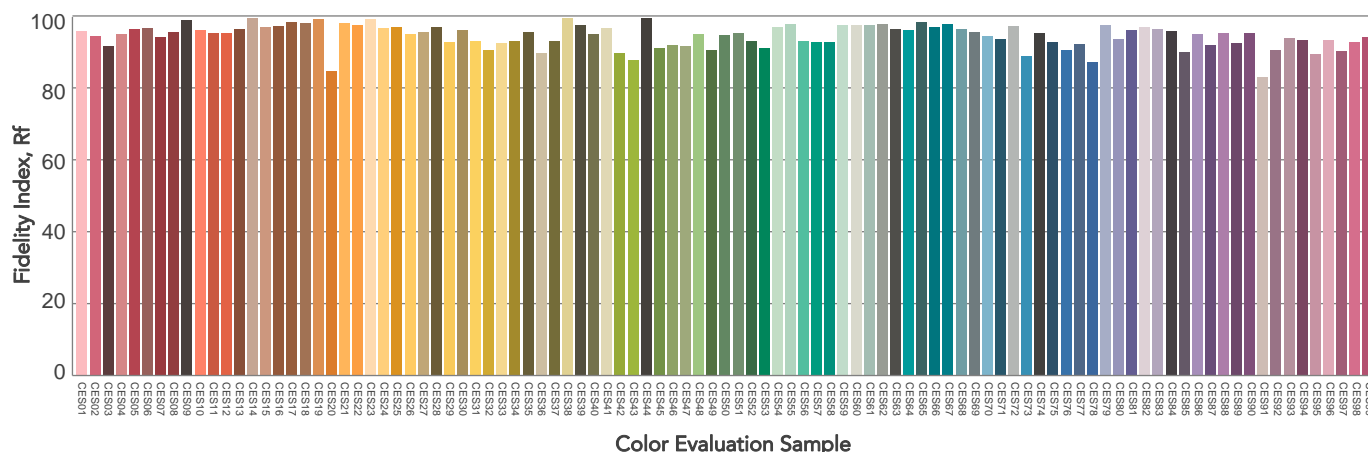
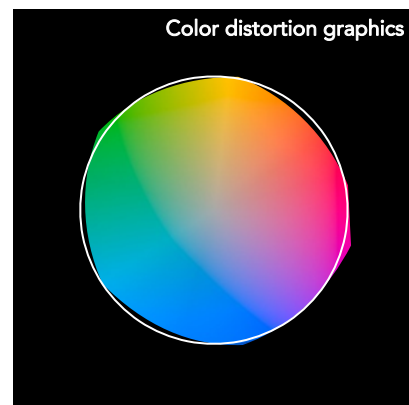
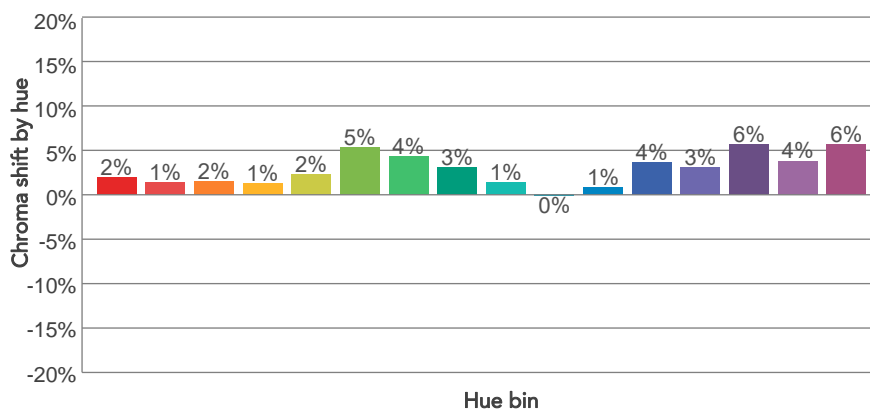
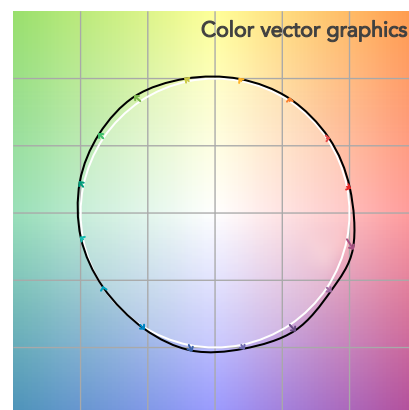
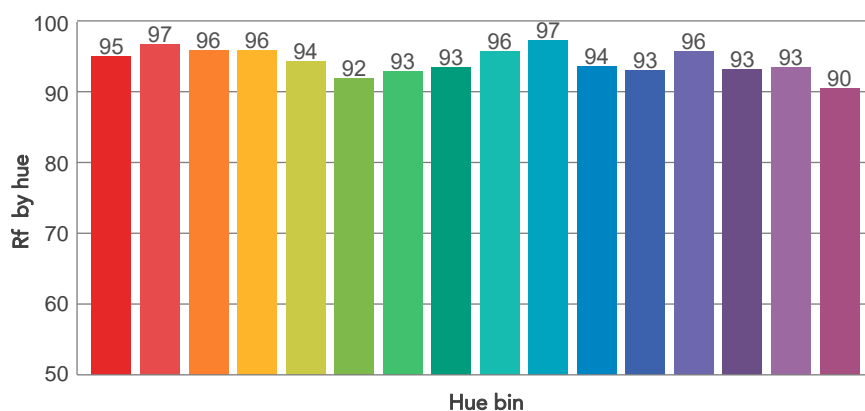
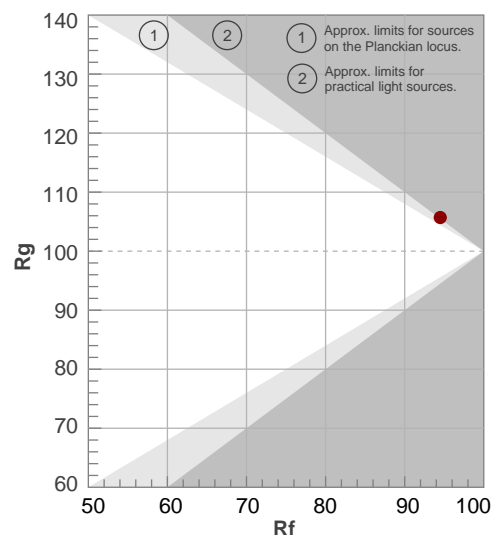
Rf 94,5

Fidelity index Rf

Rg 105,7

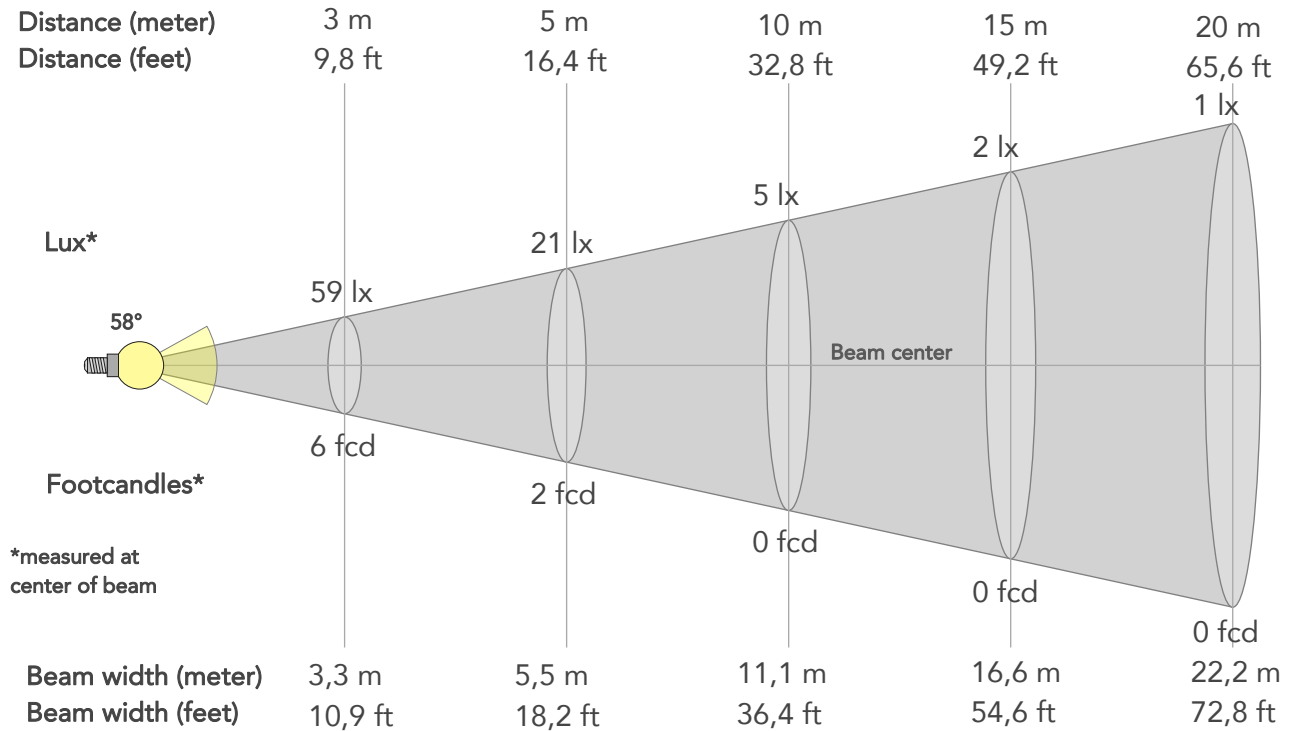
Gammut index

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



BEAM DETAILS

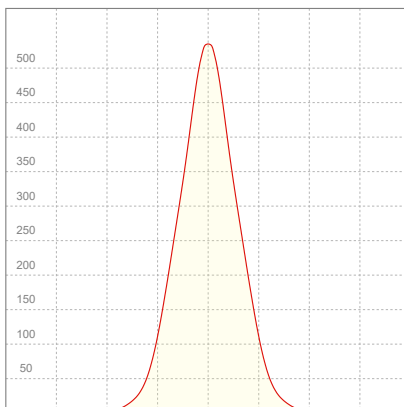
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58°	108,1°	142,2°	94,2%	80,5%



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	533lx	133lx	59lx	33lx	21lx	9lx	5lx	2lx	1lx	1lx	1lx	0lx	0lx
Footcand.	50fcd	12fcd	6fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	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	55,5m
Beam wid.	3,7ft	7,3ft	10,9ft	14,5ft	18,2ft	27,3ft	36,4ft	54,6ft	72,8ft	91ft	109,2ft	145,5ft	181,9ft

LINEAR DISTRIBUTION DIAGRAM

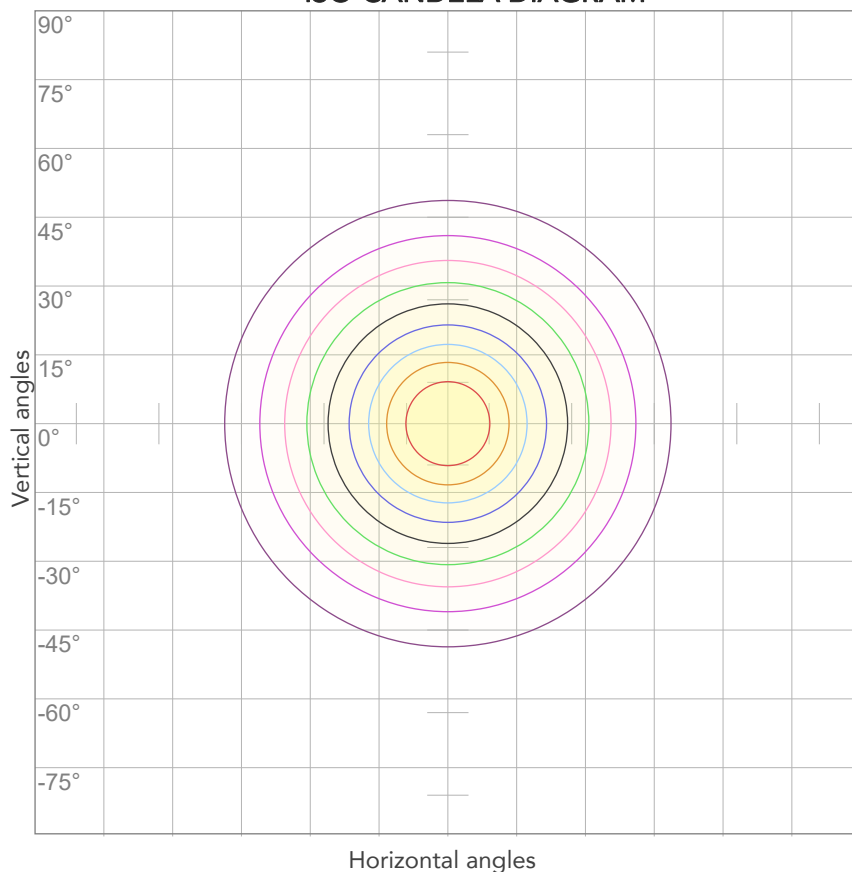


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,089A	16,0W	0,79	38lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



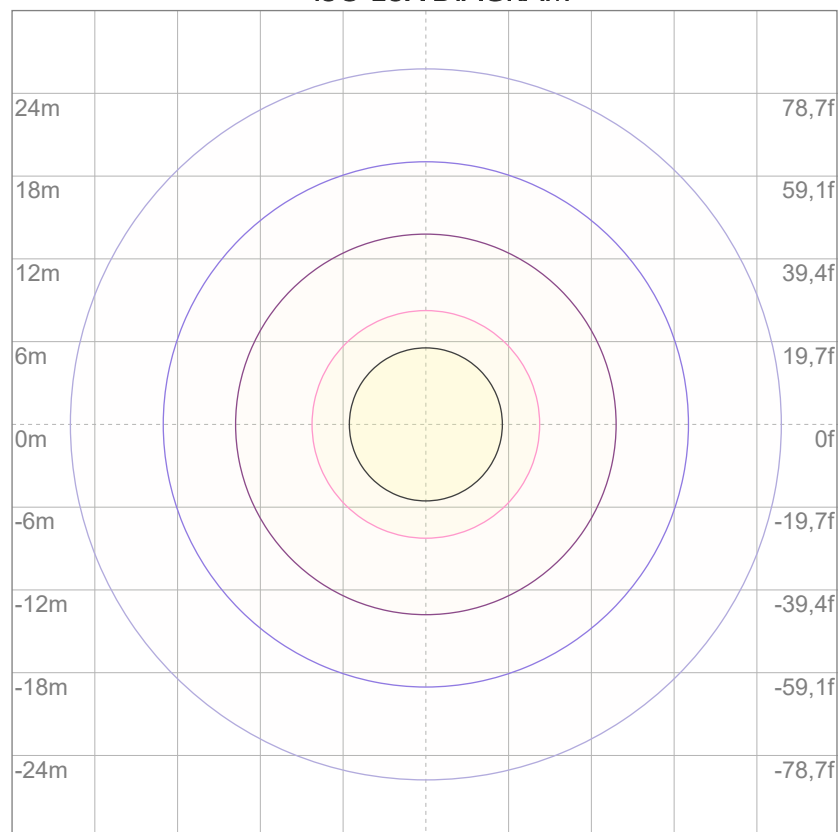
10%	53 cd
20%	107 cd
30%	160 cd
40%	213 cd
50%	267 cd
60%	320 cd
70%	373 cd
80%	426 cd

Conditions:

Number of c-planes: 2

Candela at center: 533 cd

ISO LUX DIAGRAM



3%	0,160 lx
5%	0,267 lx
10%	0,533 lx
30%	1,60 lx
50%	2,67 lx

Conditions:

Number of c-planes: 2

Lux at center: 5,33 lx

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



Total lumen output:

926 lm

Peak candela output:

1930 cd

Light quality:

CRI: 94,6

Color temperature:

3223 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

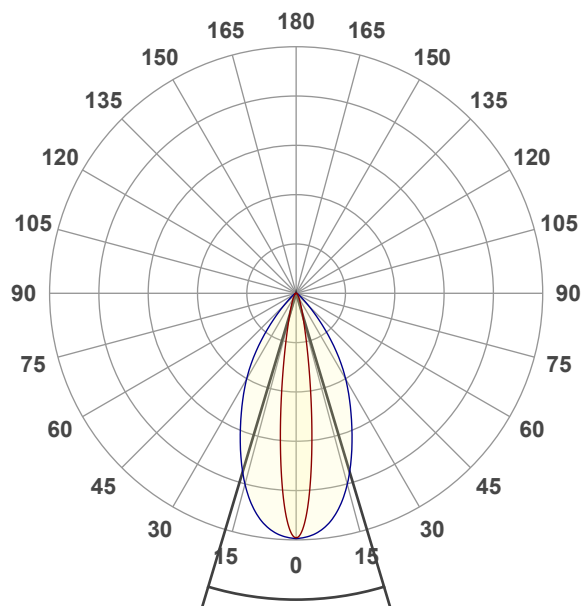
3200K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 13:26:08

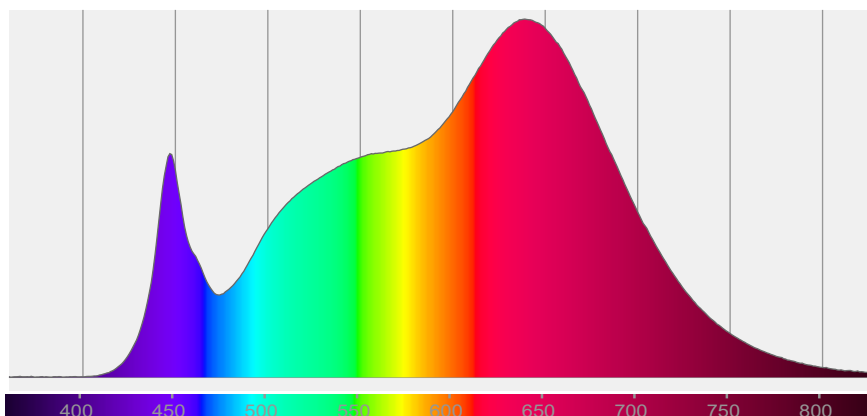


Beam angle 50%: 33,4°

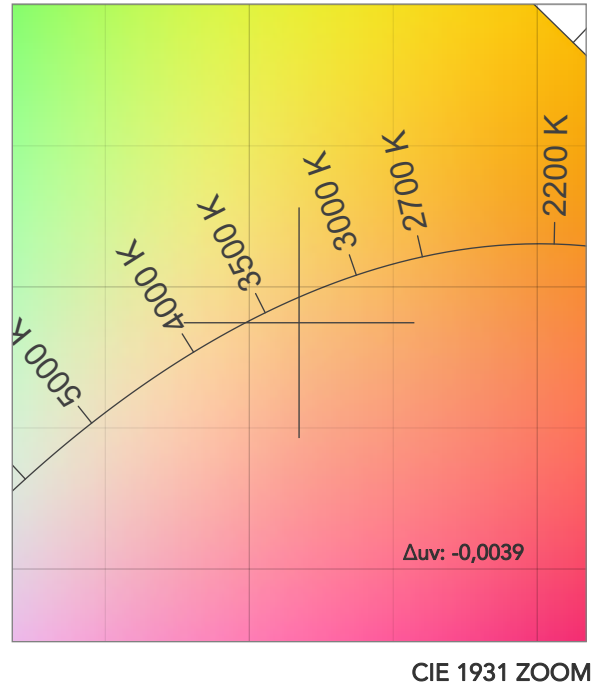
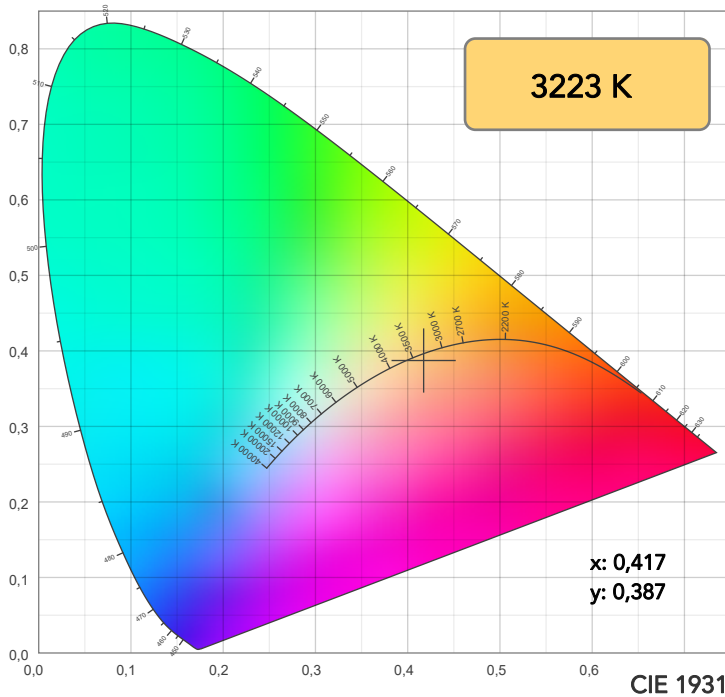
Field angle 10%: 59,2°

Cut off angle 2.5%: 82,3°

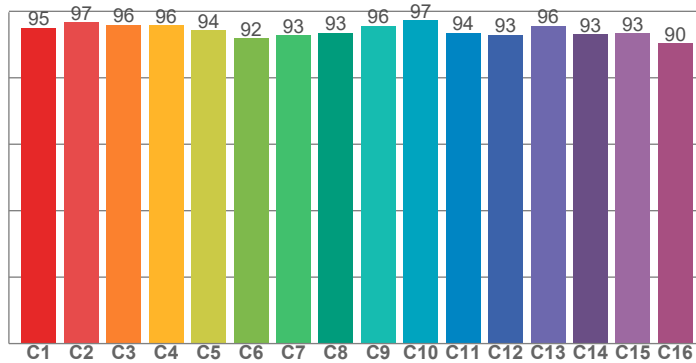
Spectra



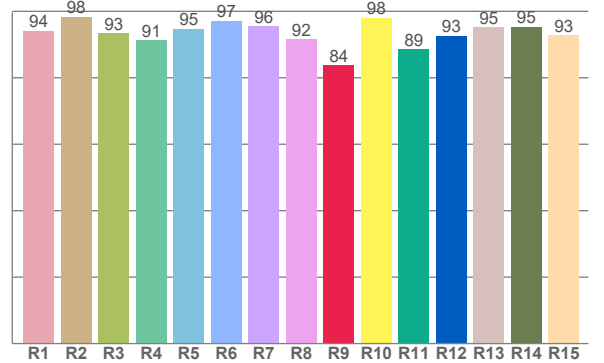
COLOR DETAILS



TM30: 94,5



CRI: 94,6 (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
94,2	98,3	93,5	91,4	94,8	97,1	95,6	91,6	83,7	98,1	88,7	92,7	95,1	95,4	92,8

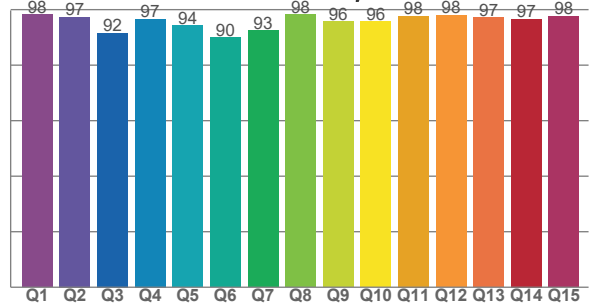
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,2	97,3	91,5	96,7	94,3	89,9	92,5	98,2	95,7	95,8	97,8	97,9	97,2	96,7	97,6

CQS: 94,9



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3223 K	94,6	83,7	94,5	105,7	94,9	97	0,417	0,387	-0,0039

TM30 DETAILS

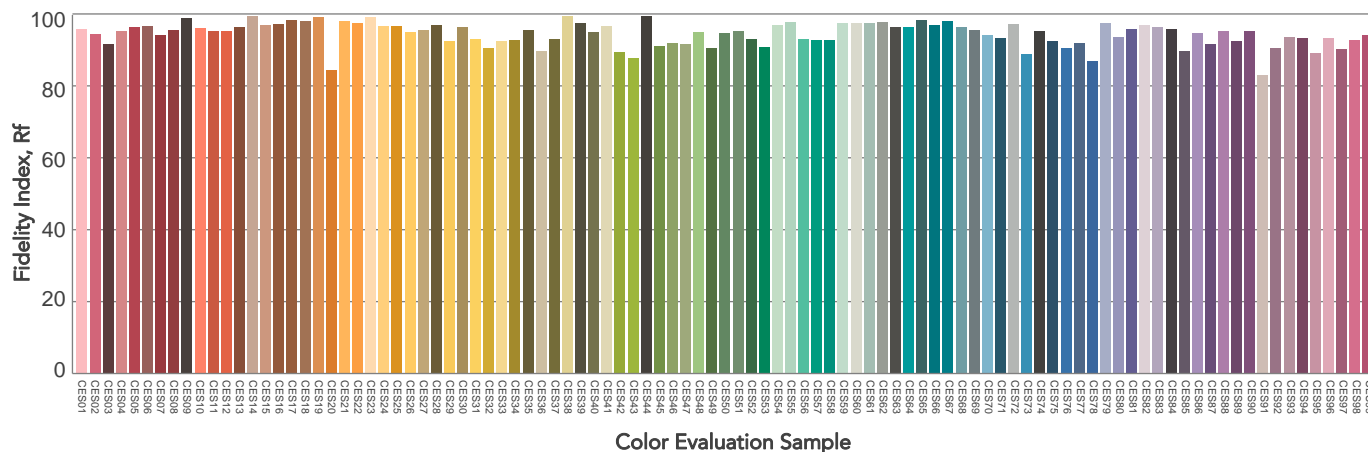
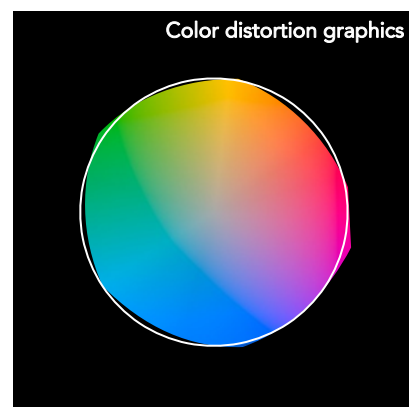
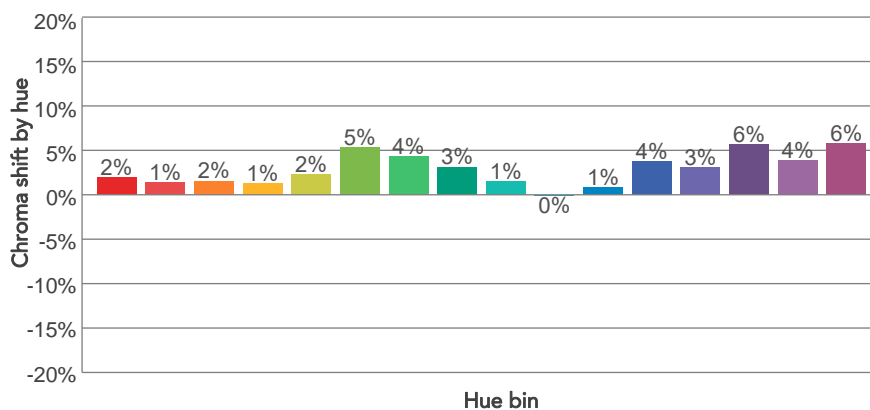
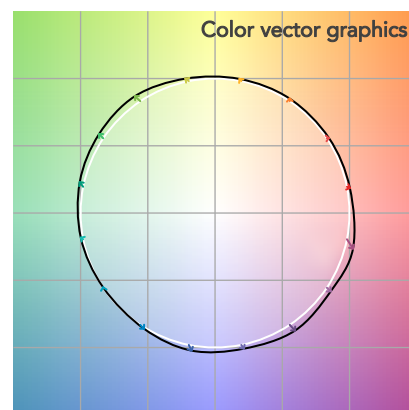
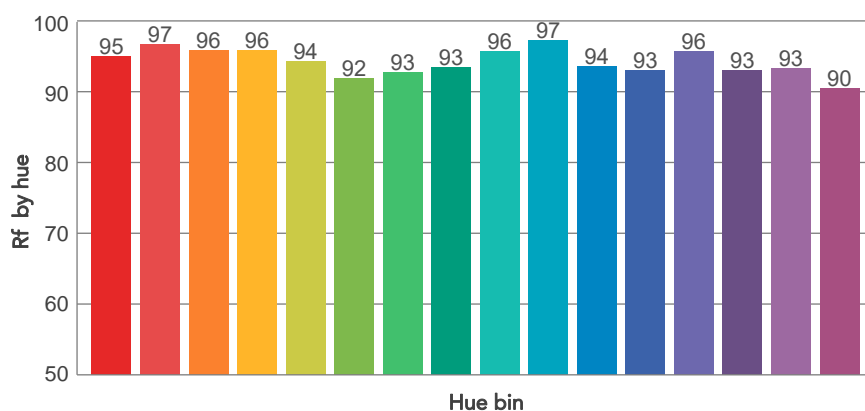
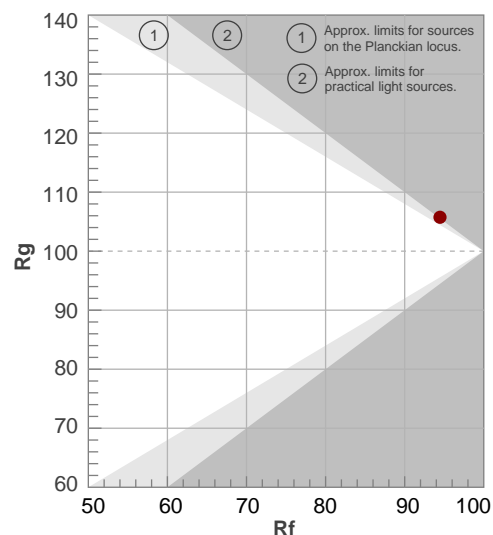
Rf 94,5

Fidelity index Rf

Rg 105,7

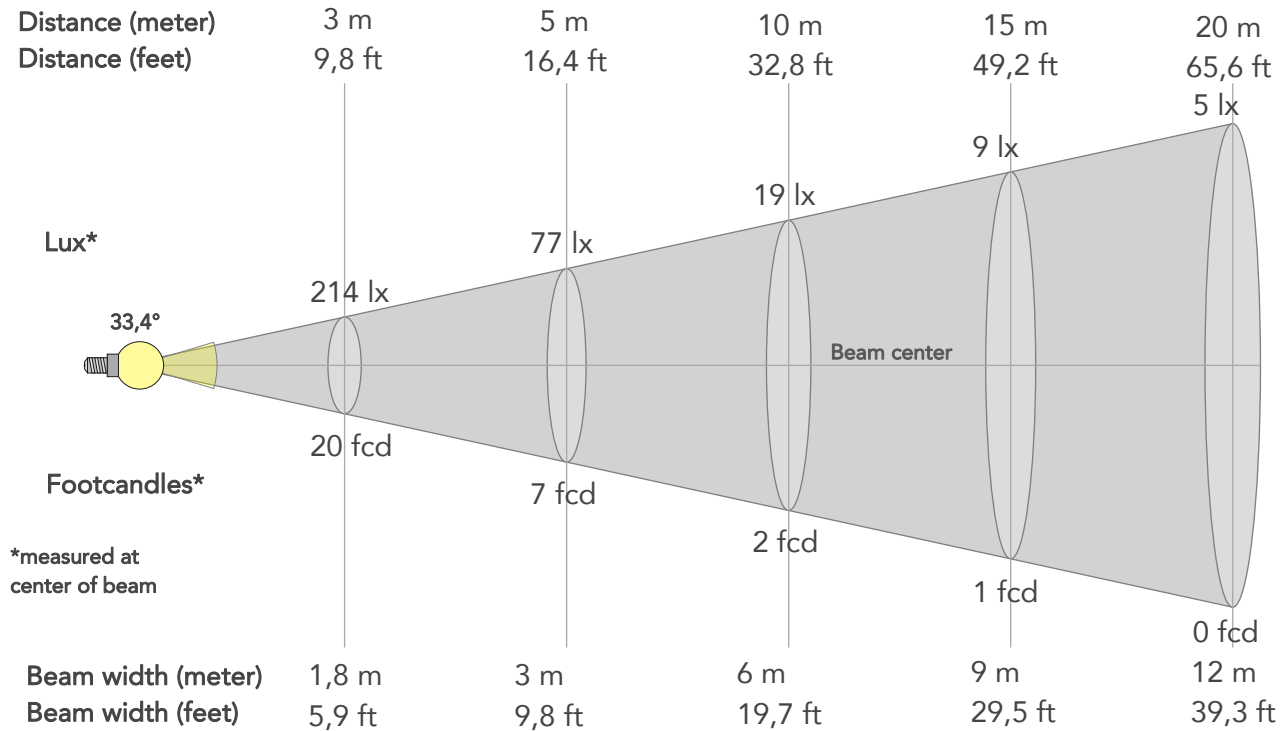
Gammut index

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



BEAM DETAILS

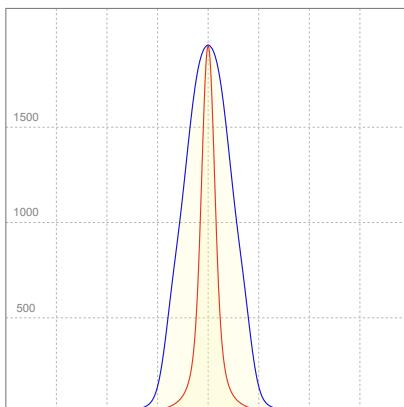
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,4°	59,2°	82,3°	97,6%	92,8%



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	1926lx	482lx	214lx	120lx	77lx	34lx	19lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	179fcd	45fcd	20fcd	11fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30m
Beam wid.	2ft	4ft	5,9ft	7,8ft	9,8ft	14,7ft	19,7ft	29,5ft	39,3ft	49,1ft	59ft	78,6ft	98,3ft

LINEAR DISTRIBUTION DIAGRAM

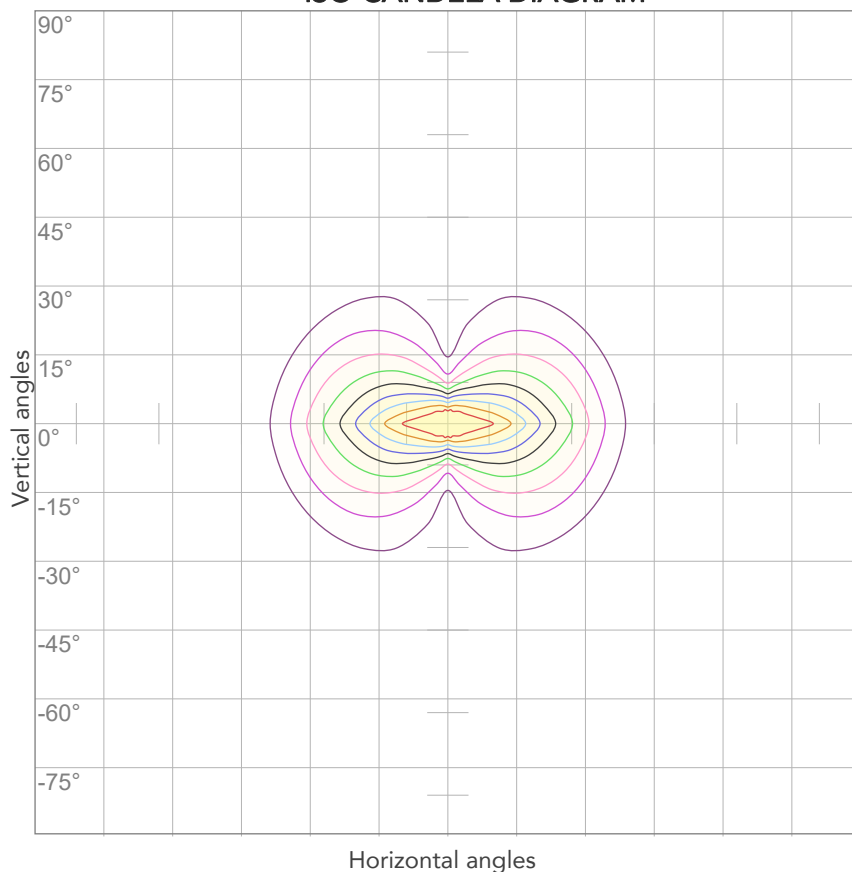


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,091A	16,2W	0,79	57lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



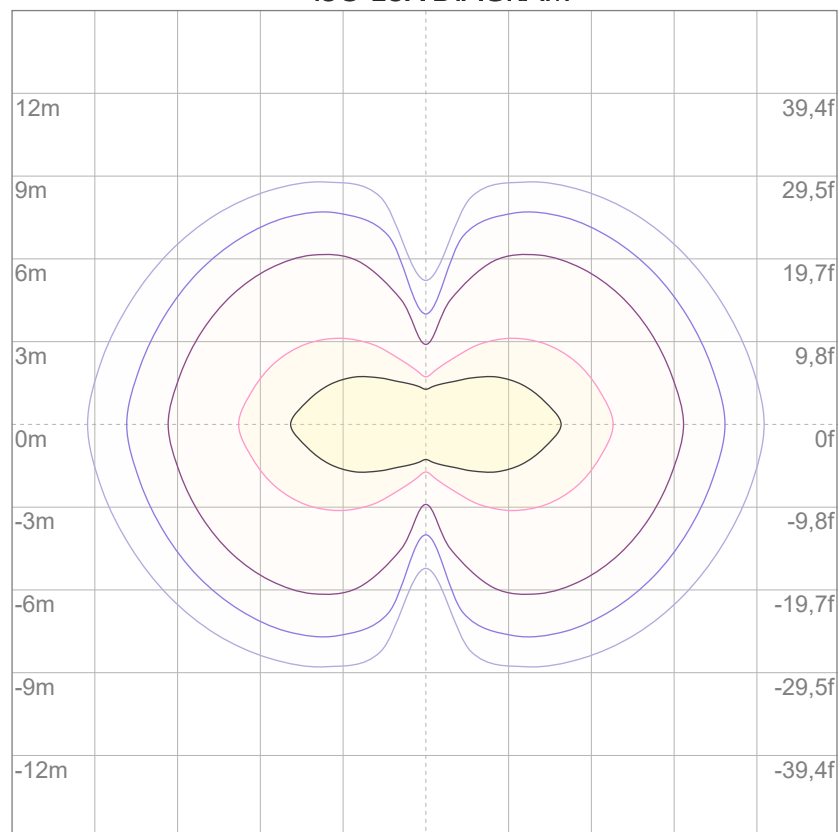
10%	193 cd
20%	385 cd
30%	578 cd
40%	771 cd
50%	963 cd
60%	1156 cd
70%	1348 cd
80%	1541 cd

Conditions:

Number of c-planes: 4

Candela at center: 1926 cd

ISO LUX DIAGRAM



3%	0,578 lx
5%	0,963 lx
10%	1,93 lx
30%	5,78 lx
50%	9,63 lx

Conditions:

Number of c-planes: 4

Lux at center: 19,3 lx

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



Total lumen output:

570 lm

Peak candela output:

959 cd

Light quality:

CRI: 94,6

Color temperature:

3246 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

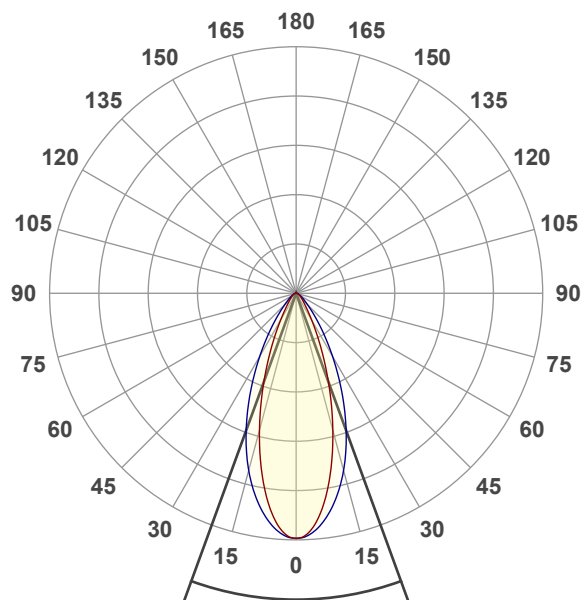
3200K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 14:55:31

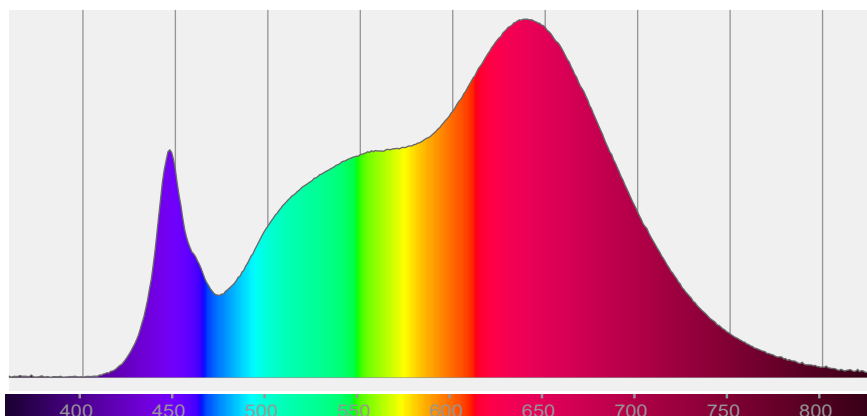


Beam angle 50%: 40°

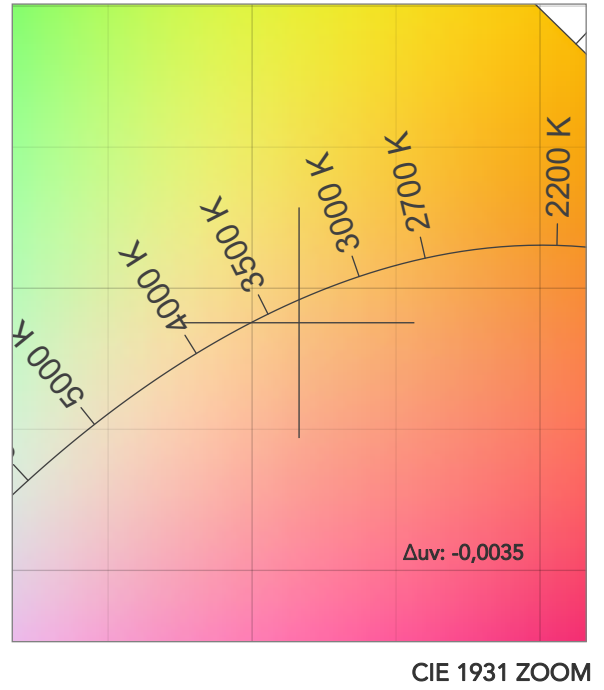
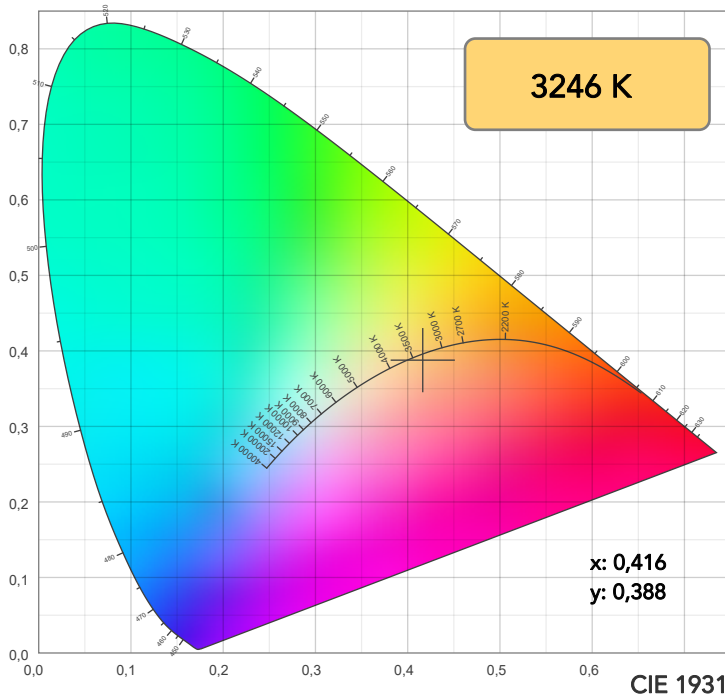
Field angle 10%: 73,2°

Cut off angle 2.5%: 108,4°

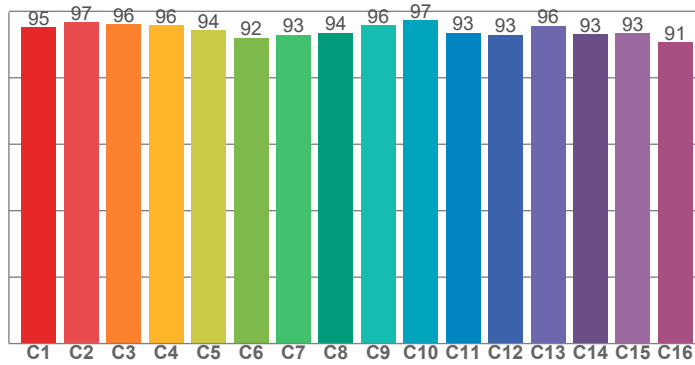
Spectra



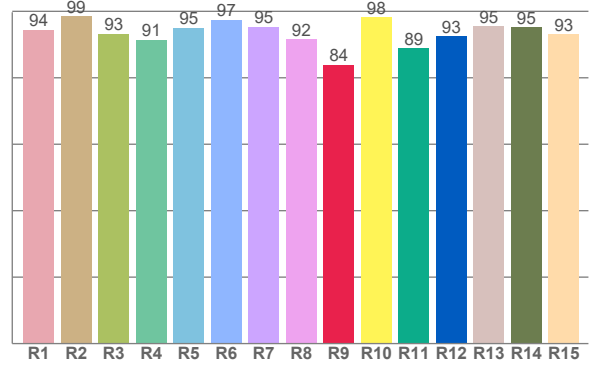
COLOR DETAILS



TM30: 94,5



CRI: 94,6 (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
94,4	98,6	93,2	91,5	95,0	97,4	95,4	91,6	83,9	98,3	88,8	92,5	95,4	95,3	93,1

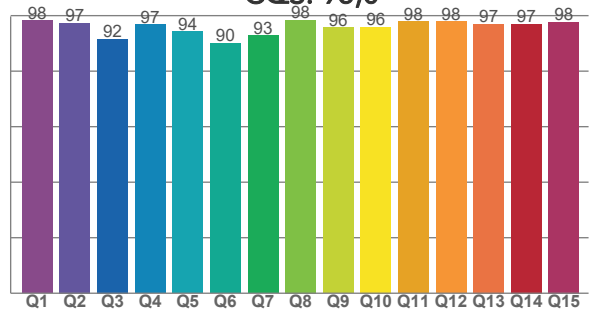
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,3	97,4	91,6	96,7	94,3	90,0	92,8	98,4	95,7	95,9	97,9	97,8	97,0	96,9	97,7

CQS: 95,0



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
3246 K	94,6	83,9	94,5	105,6	95,0	97	0,416	0,388	-0,0035

TM30 DETAILS

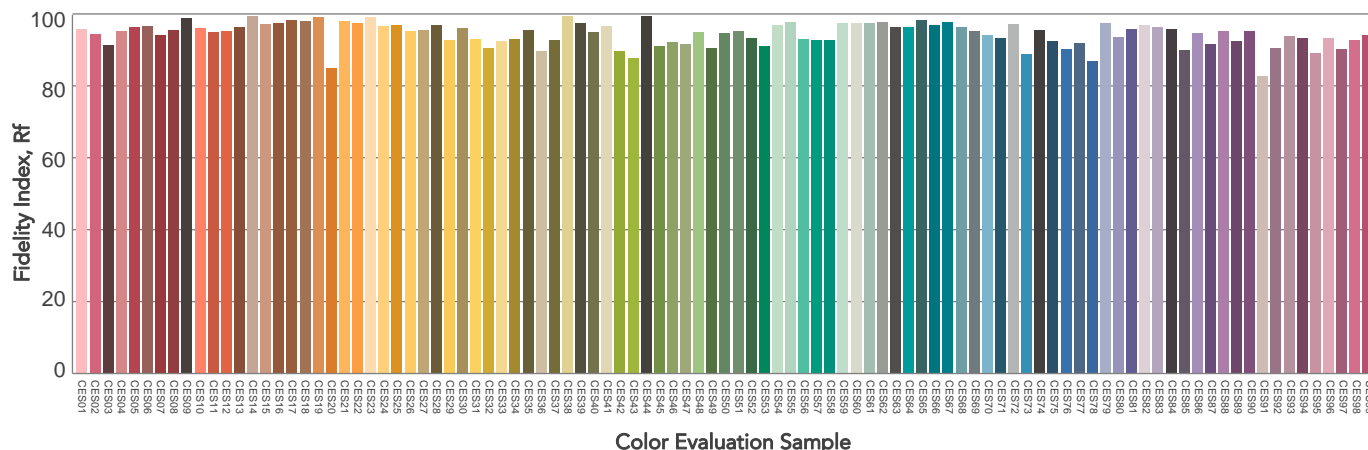
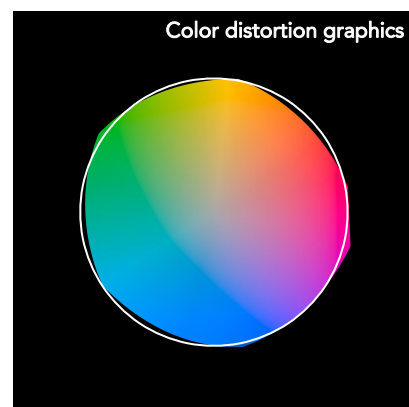
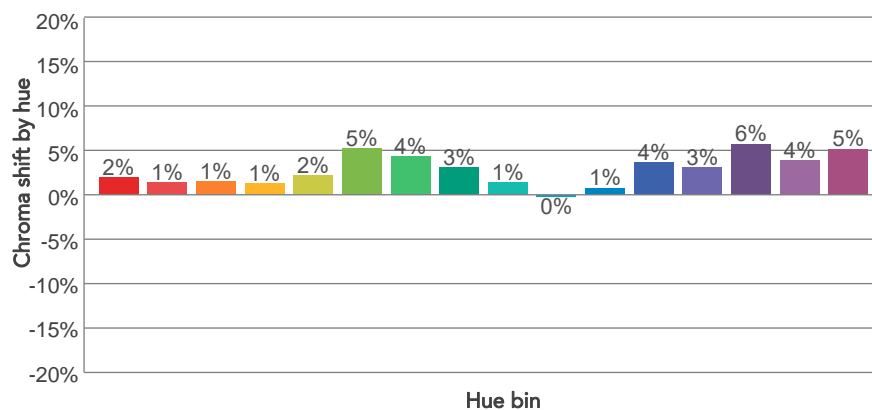
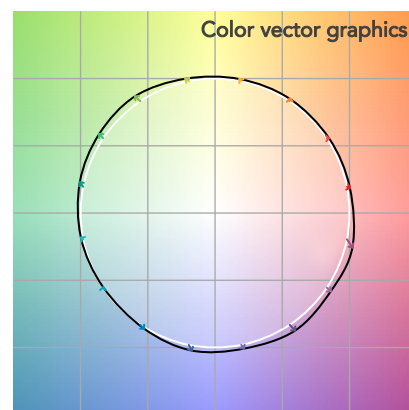
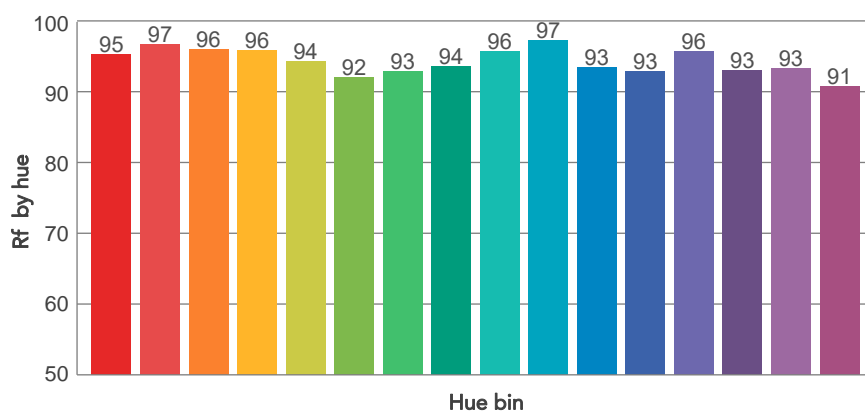
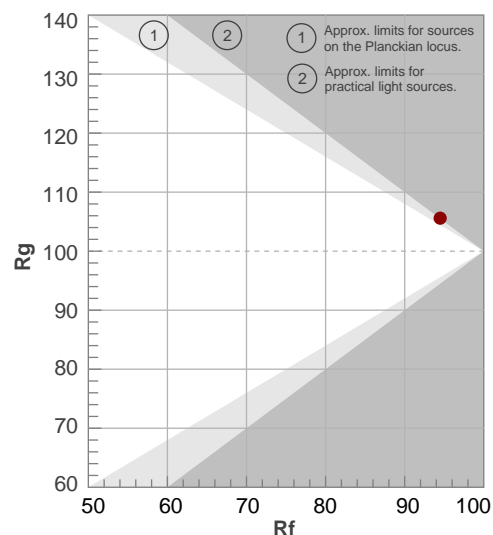
Rf 94,5

Fidelity index Rf

Rg 105,6

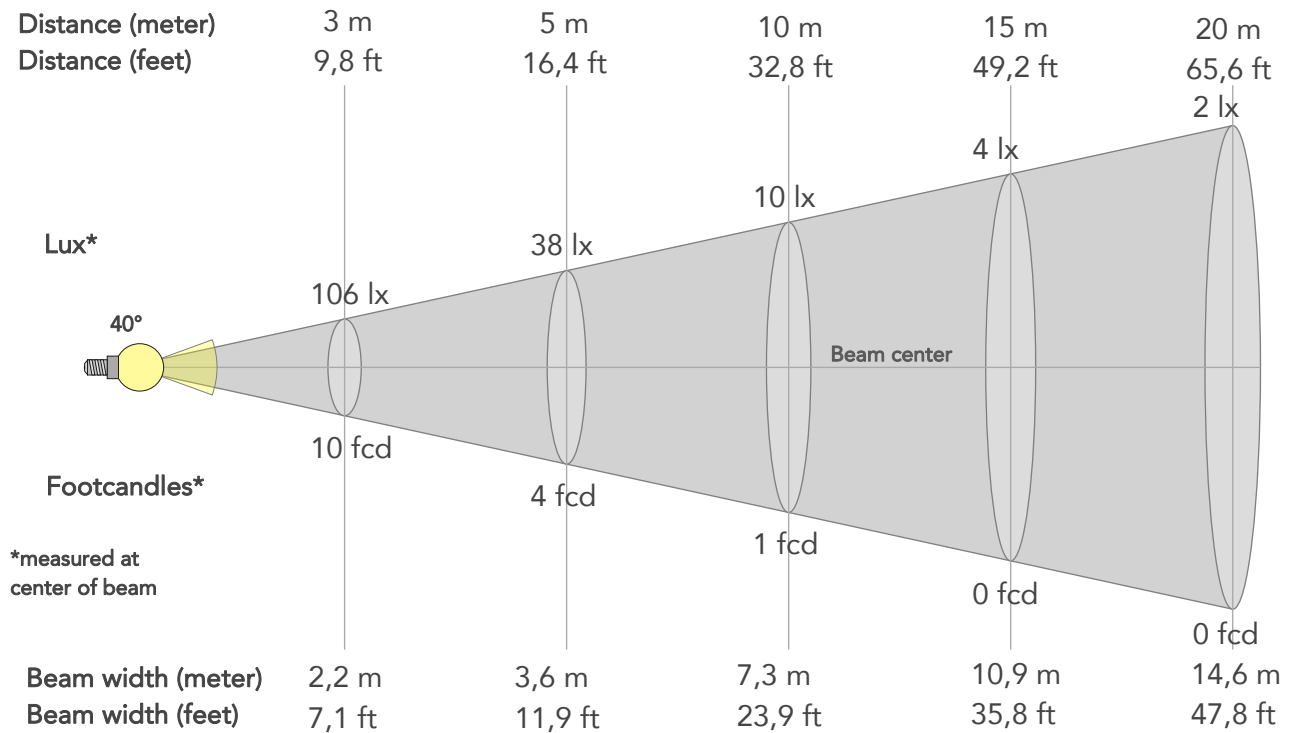
Gammut index

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



BEAM DETAILS

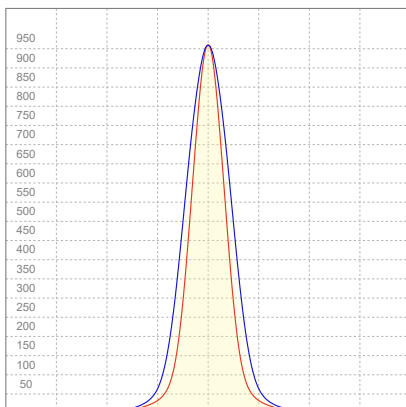
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40°	73,2°	108,4°	95,7%	89,0%



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	958lx	240lx	106lx	60lx	38lx	17lx	10lx	4lx	2lx	2lx	1lx	1lx	0lx
Footcand.	89fcd	22fcd	10fcd	6fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	2,9m	3,6m	5,5m	7,3m	10,9m	14,6m	18,2m	21,9m	29,1m	36,4m
Beam wid.	2,4ft	4,8ft	7,1ft	9,5ft	11,9ft	17,9ft	23,9ft	35,8ft	47,8ft	59,7ft	71,7ft	95,6ft	119,5ft

LINEAR DISTRIBUTION DIAGRAM

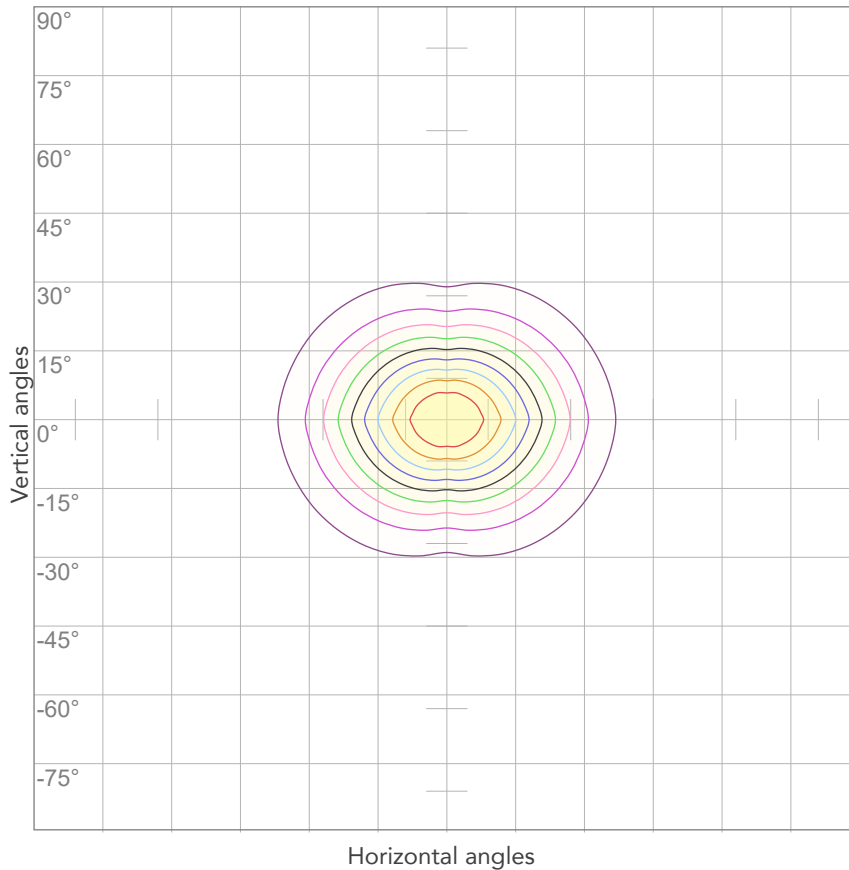


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,091A	16,2W	0,78	35lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



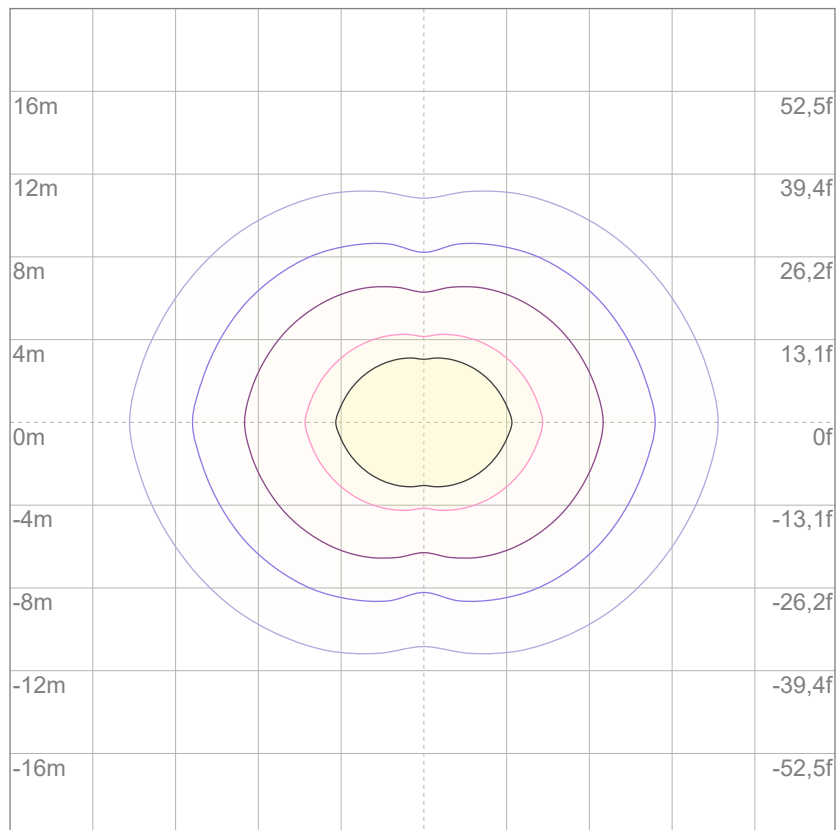
10%	96 cd
20%	192 cd
30%	287 cd
40%	383 cd
50%	479 cd
60%	575 cd
70%	671 cd
80%	766 cd

Conditions:

Number of c-planes: 4

Candela at center: 958 cd

ISO LUX DIAGRAM



3%	0,287 lx
5%	0,479 lx
10%	0,958 lx
30%	2,87 lx
50%	4,79 lx

Conditions:

Number of c-planes: 4

Lux at center: 9,58 lx

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



Total lumen output:

781 lm

Peak candela output:

15549 cd

Light quality:

CRI: 94,3

Color temperature:

4059 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

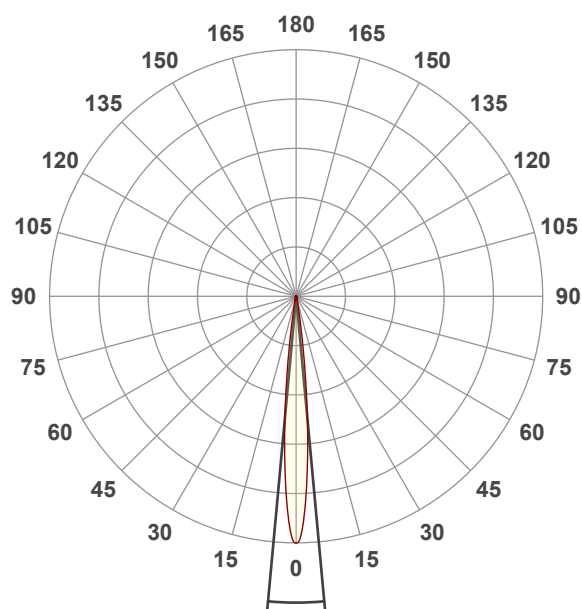
4000K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 11:34:27

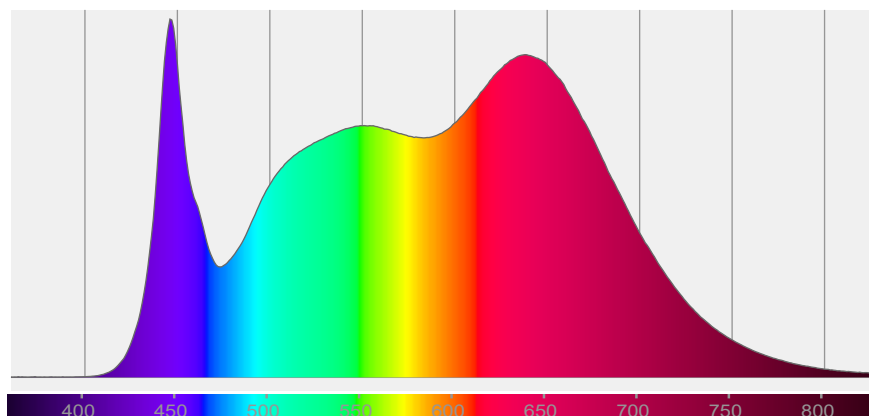


Beam angle 50%: 10,5°

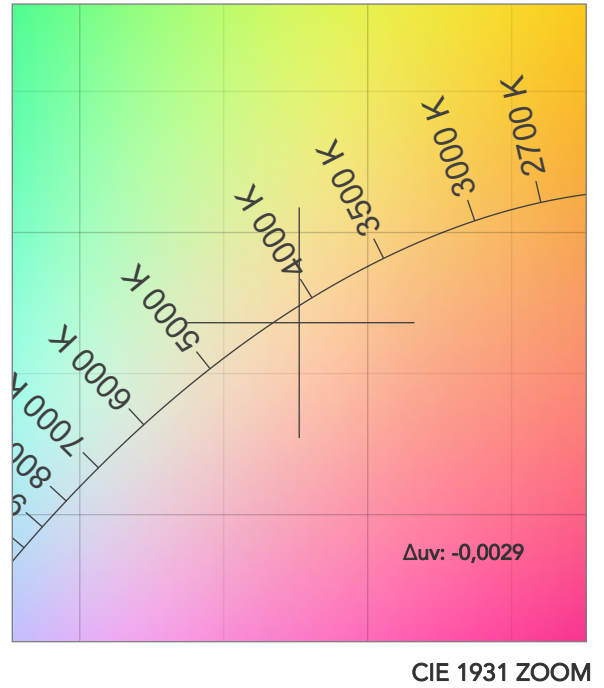
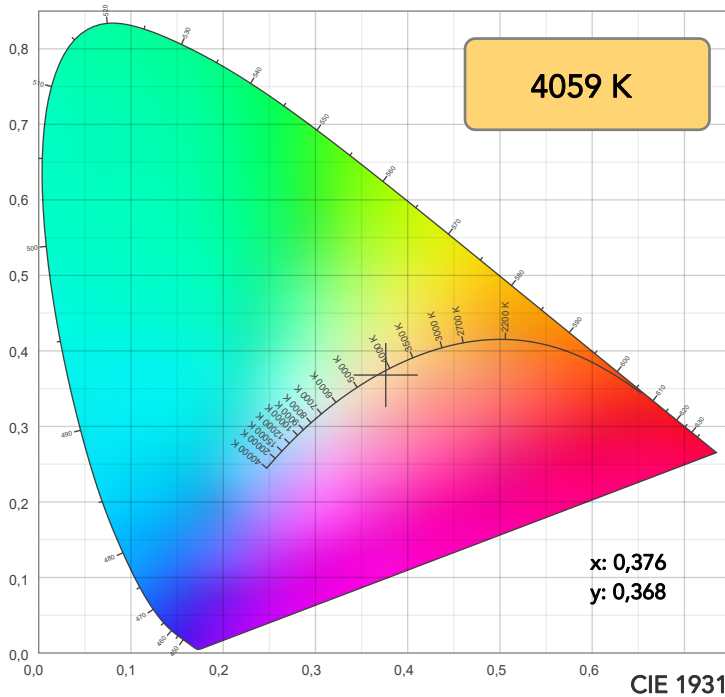
Field angle 10%: 18,7°

Cut off angle 2.5%: 26,8°

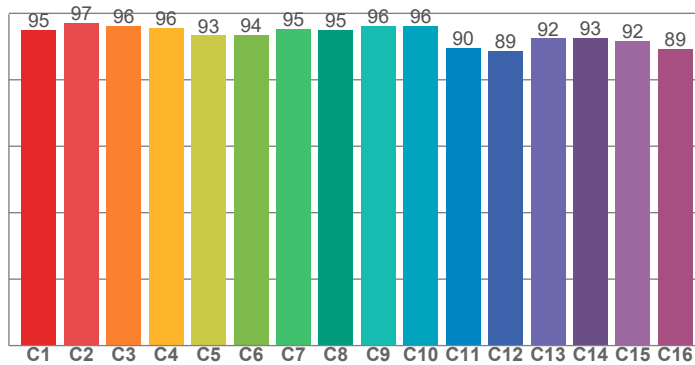
Spectra



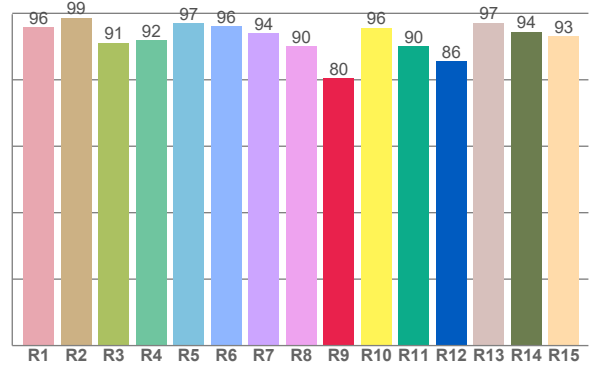
COLOR DETAILS



TM30: 93,8



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
95,8	98,6	91,2	91,9	96,9	96,2	93,9	90,2	80,4	95,6	90,0	85,6	97,2	94,4	93,1

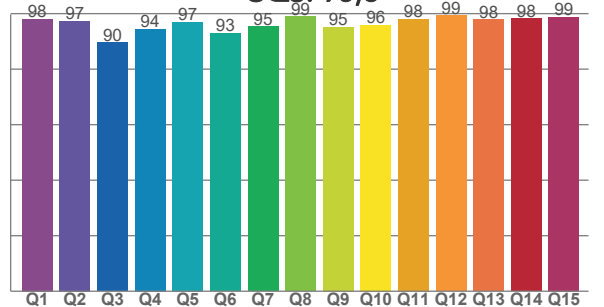
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 95,6



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
4059 K	94,3	80,4	93,8	105,0	95,6	97	0,376	0,368	-0,0029

TM30 DETAILS

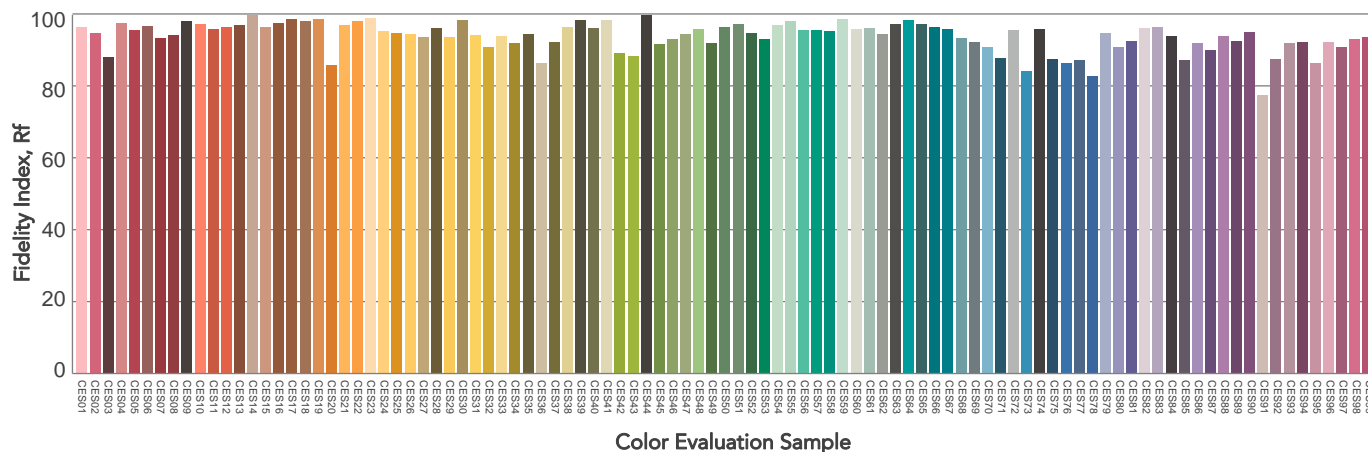
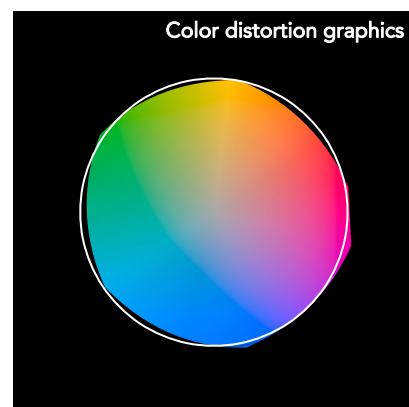
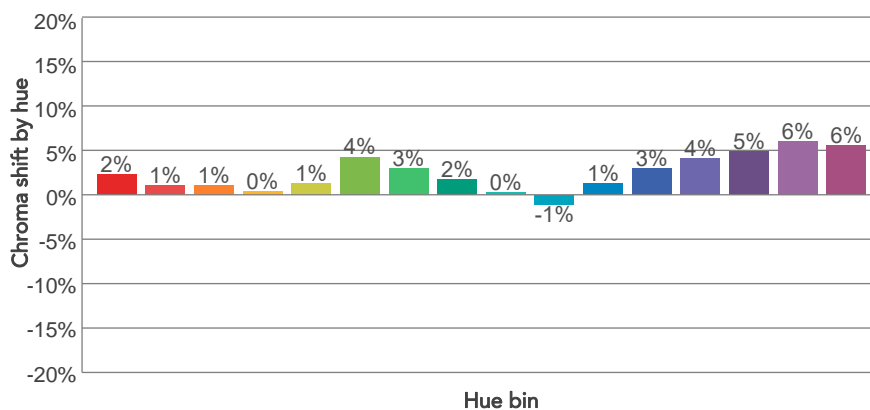
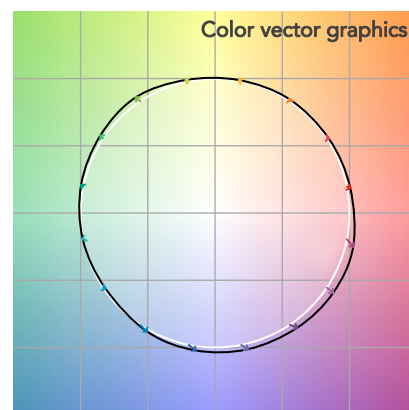
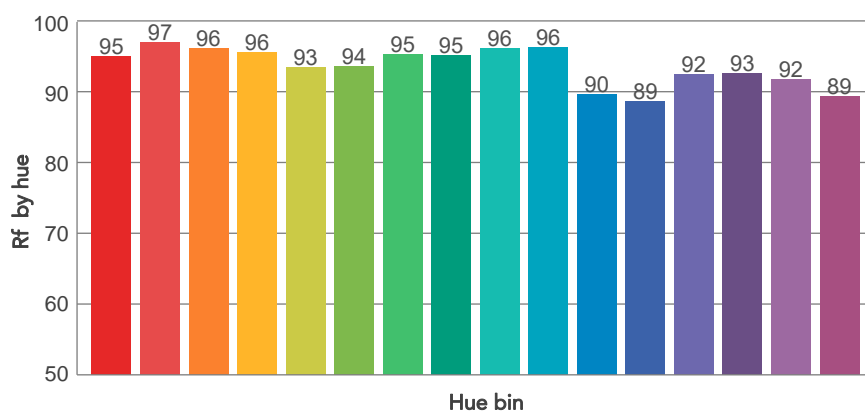
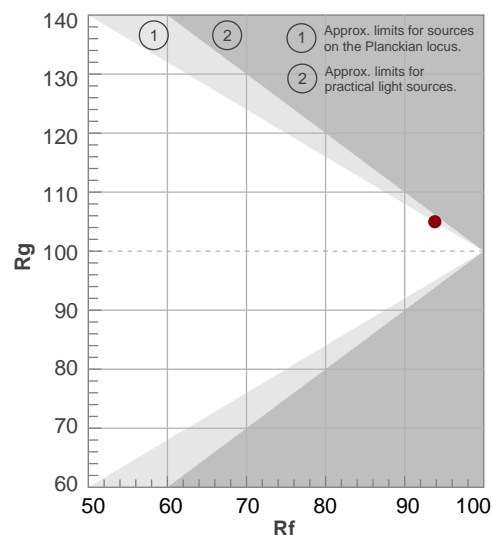
Rf 93,8

Fidelity index Rf

Rg 105,0

Gammut index

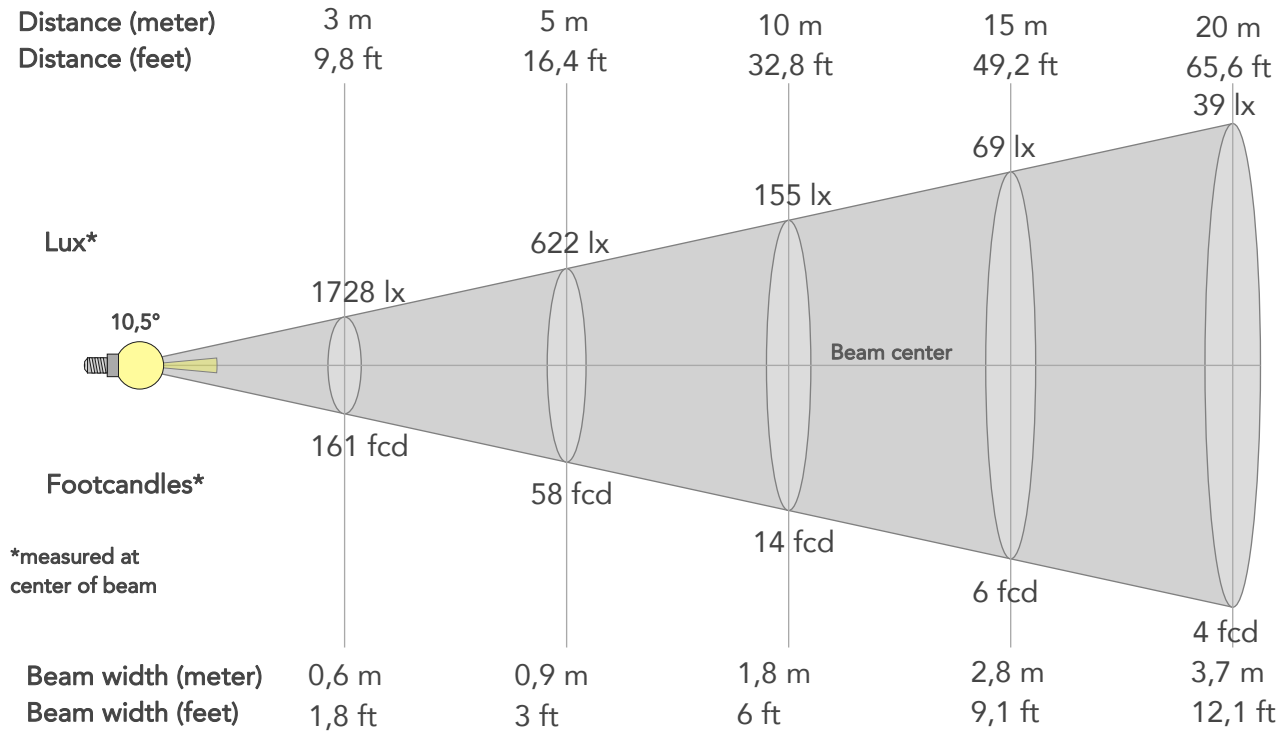
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	97	1%	-1%
3	96	1%	1%
4	96	0%	2%
5	93	1%	2%
6	94	4%	1%
7	95	3%	-1%
8	95	2%	-1%
9	96	0%	0%
10	96	-1%	1%
11	90	1%	7%
12	89	3%	6%
13	92	4%	4%
14	93	5%	3%
15	92	6%	-1%
16	89	6%	-4%



BEAM DETAILS



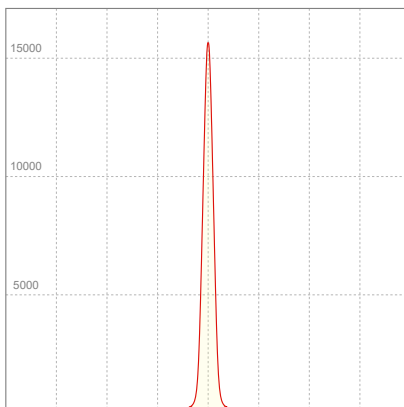
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,5°	18,7°	26,8°	96,8%	94,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	15549lx	3887lx	1728lx	972lx	622lx	276lx	155lx	69lx	39lx	25lx	17lx	10lx	6lx
Footcand.	1445fcd	361fcd	161fcd	90fcd	58fcd	26fcd	14fcd	6fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,2m	0,4m	0,6m	0,7m	0,9m	1,4m	1,8m	2,8m	3,7m	4,6m	5,5m	7,4m	9,2m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	6ft	9,1ft	12,1ft	15,1ft	18,1ft	24,2ft	30,2ft

LINEAR DISTRIBUTION DIAGRAM

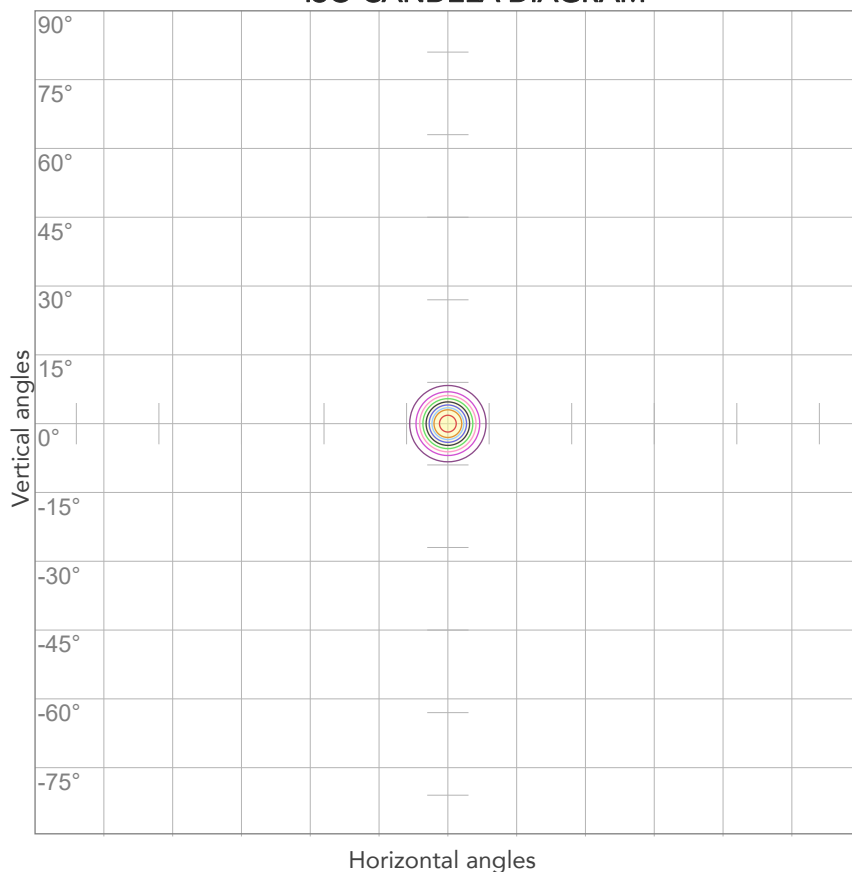


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,093A	17,0W	0,8	46lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



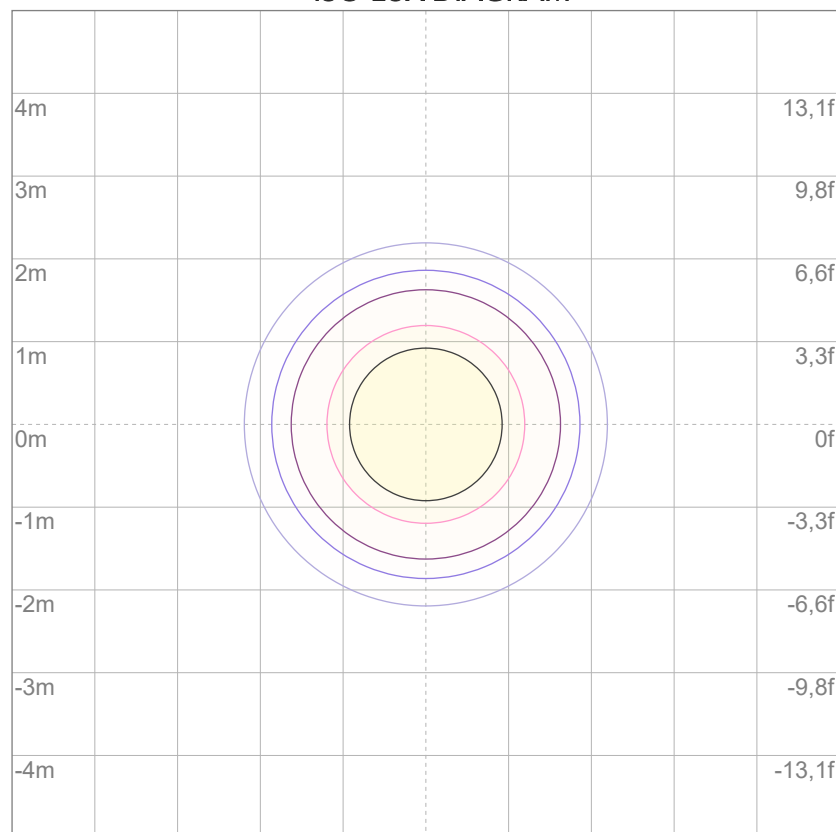
10%	1555 cd
20%	3110 cd
30%	4665 cd
40%	6219 cd
50%	7774 cd
60%	9329 cd
70%	10884 cd
80%	12439 cd

Conditions:

Number of c-planes: 2

Candela at center: 15549 cd

ISO LUX DIAGRAM



3%	4,66 lx
5%	7,77 lx
10%	15,5 lx
30%	46,6 lx
50%	77,7 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.



Total lumen output:

716 lm

Peak candela output:

2978 cd

Light quality:

CRI: 94,3

Color temperature:

4051 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

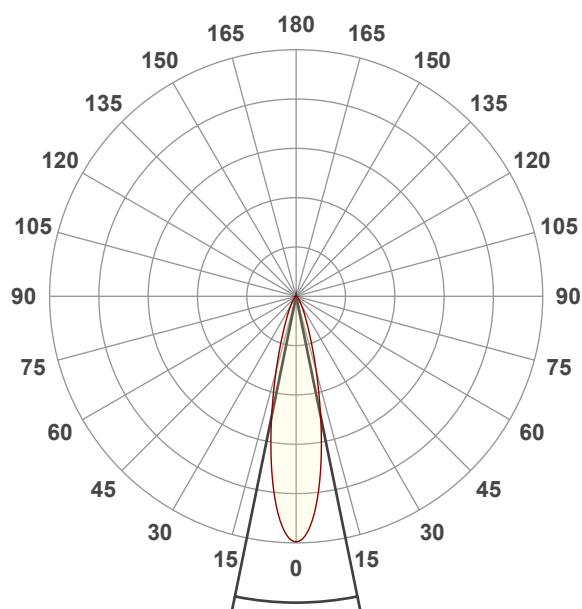
4000K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 12:05:17

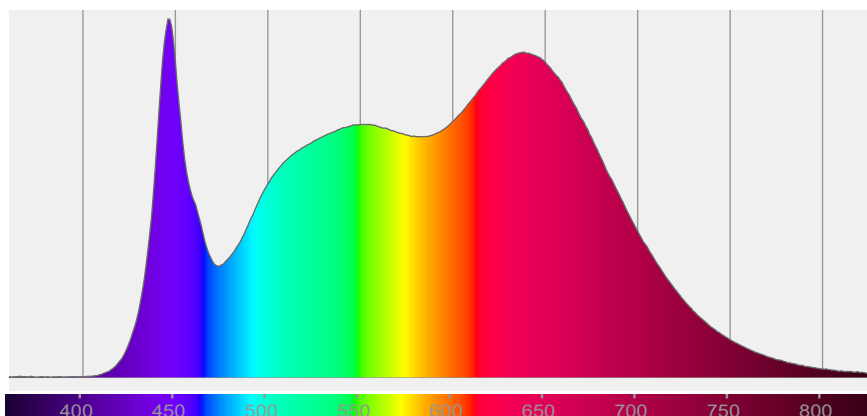


Beam angle 50%: 23,1°

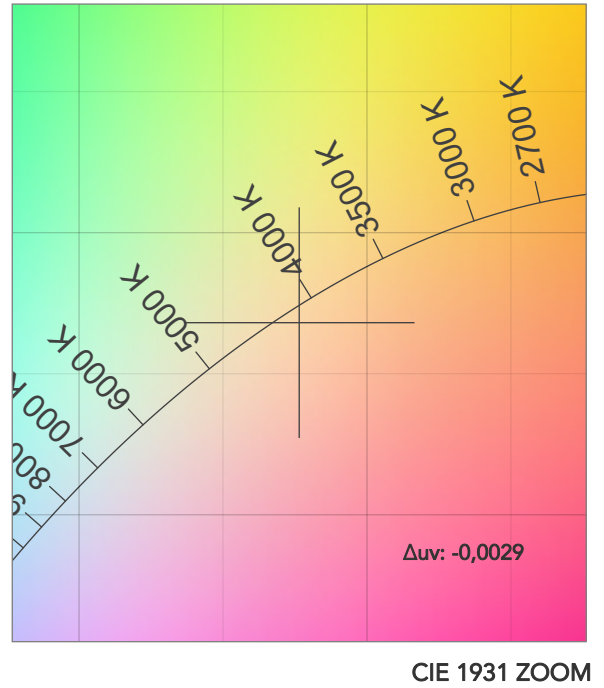
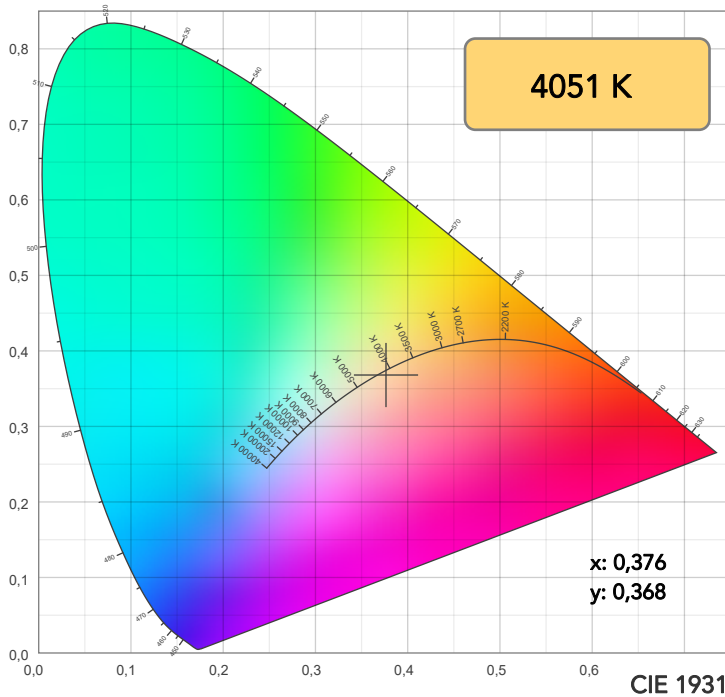
Field angle 10%: 46,4°

Cut off angle 2.5%: 71,3°

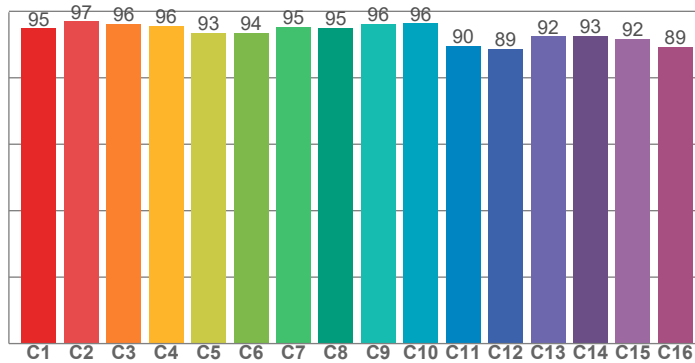
Spectra



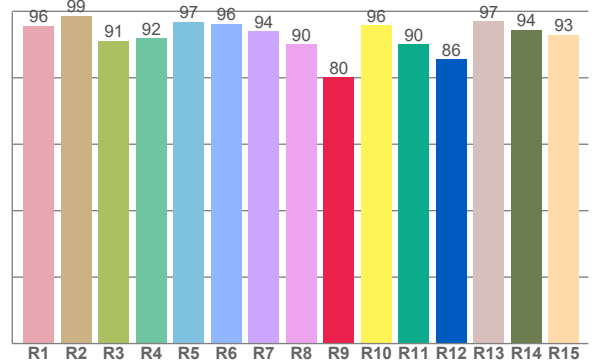
COLOR DETAILS



TM30: 93,8



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
95,7	98,7	91,2	91,9	96,9	96,3	94,0	90,1	80,1	95,8	90,0	85,6	97,1	94,4	93,0

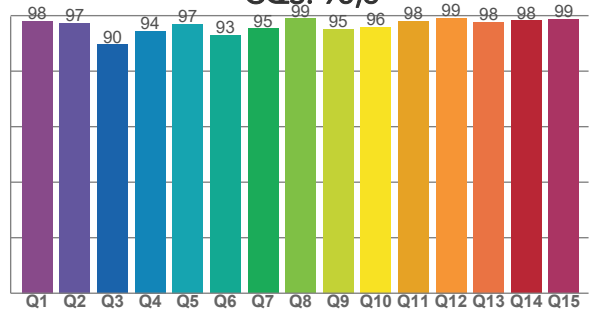
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 95,6



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
4051 K	94,3	80,1	93,8	105,0	95,6	97	0,376	0,368	-0,0029

TM30 DETAILS

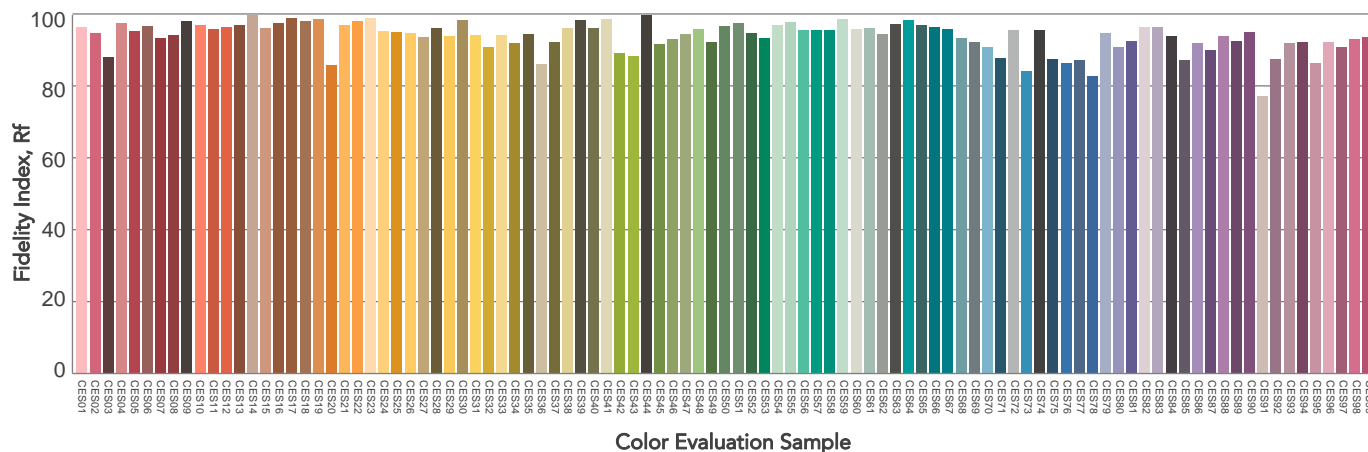
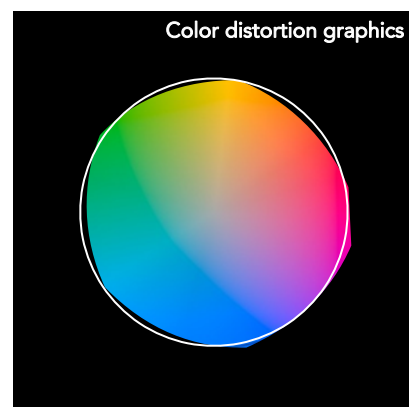
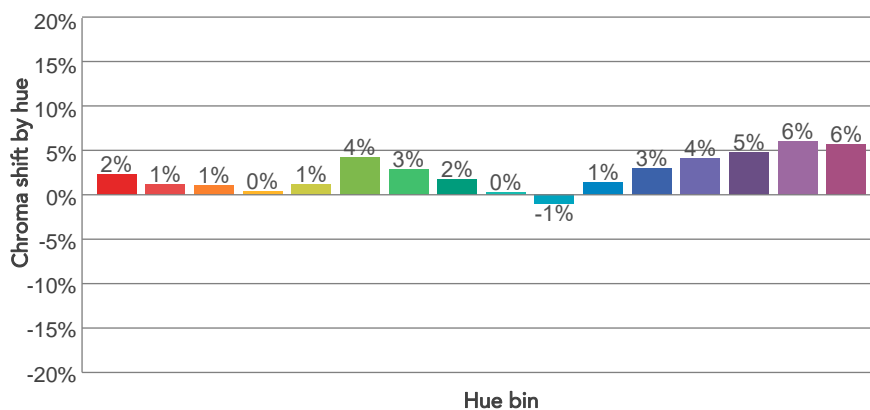
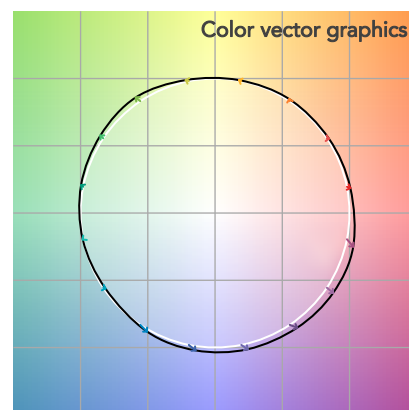
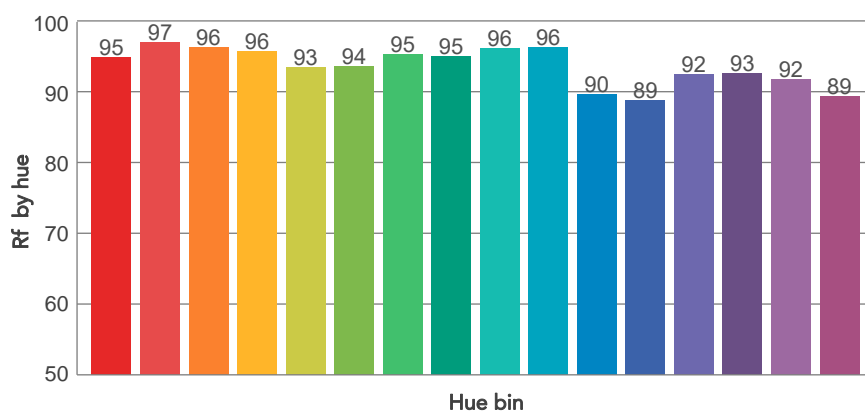
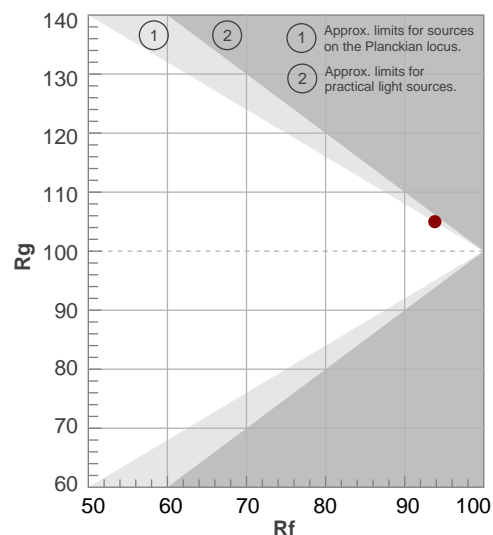
Rf 93,8

Fidelity index Rf

Rg 105,0

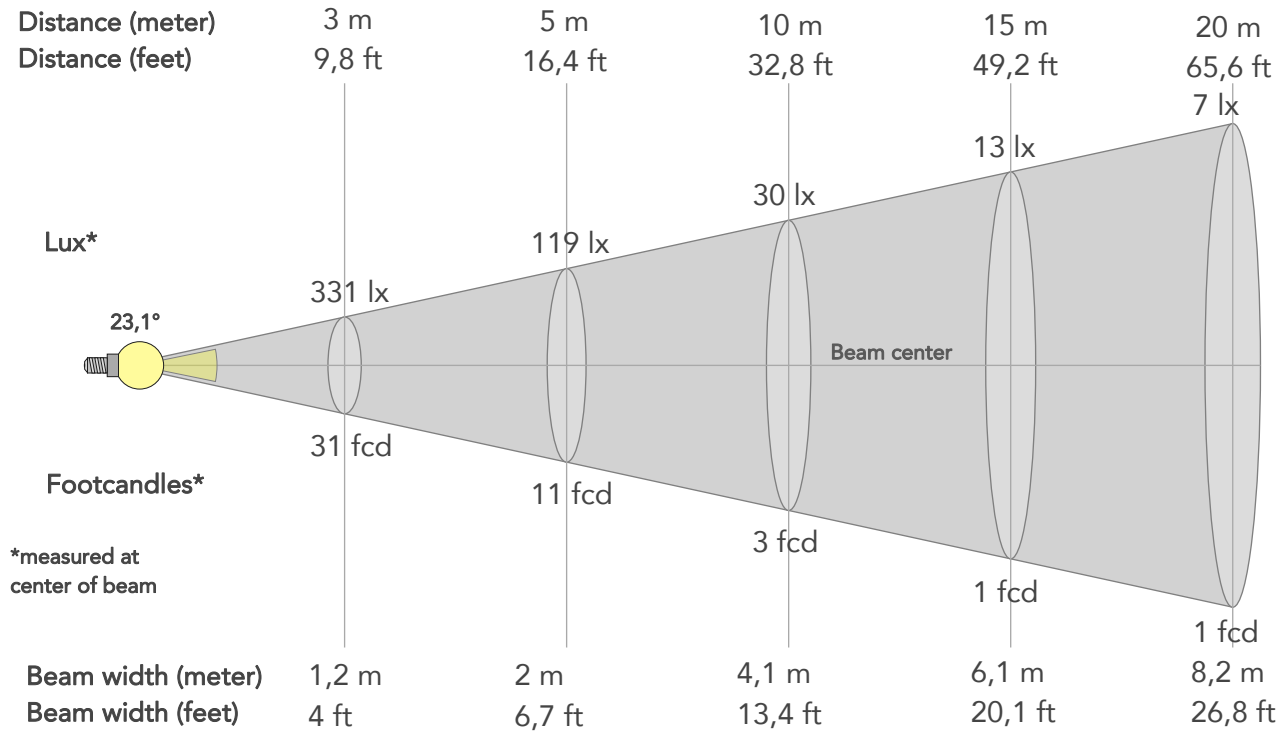
Gammut index

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



BEAM DETAILS

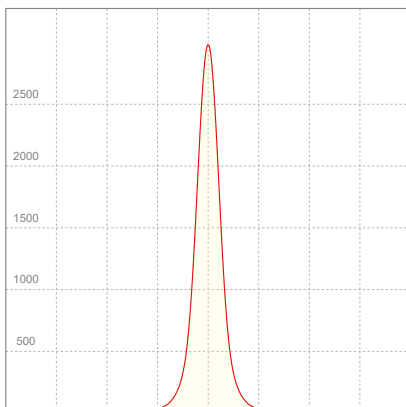
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,1°	46,4°	71,3°	97,0%	93,3%



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	2978lx	744lx	331lx	186lx	119lx	53lx	30lx	13lx	7lx	5lx	3lx	2lx	1lx
Footcand.	277fcd	69fcd	31fcd	17fcd	11fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3,1m	4,1m	6,1m	8,2m	10,2m	12,2m	16,3m	20,4m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,7ft	10ft	13,4ft	20,1ft	26,8ft	33,5ft	40,2ft	53,6ft	67ft

LINEAR DISTRIBUTION DIAGRAM

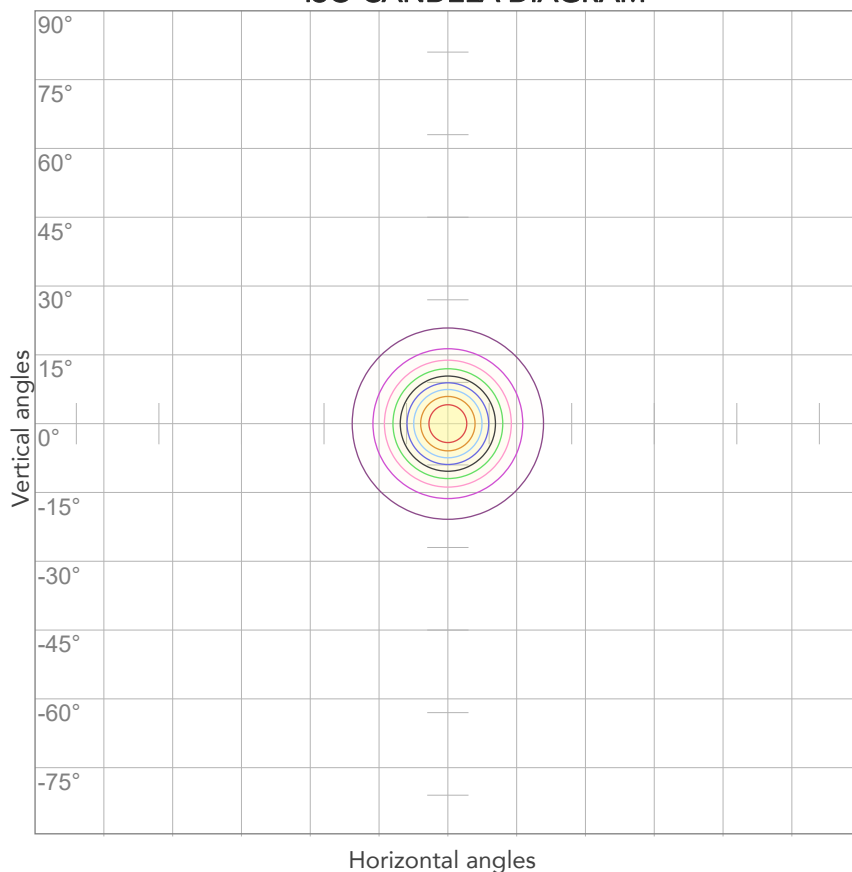


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,093A	17,0W	0,81	42lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



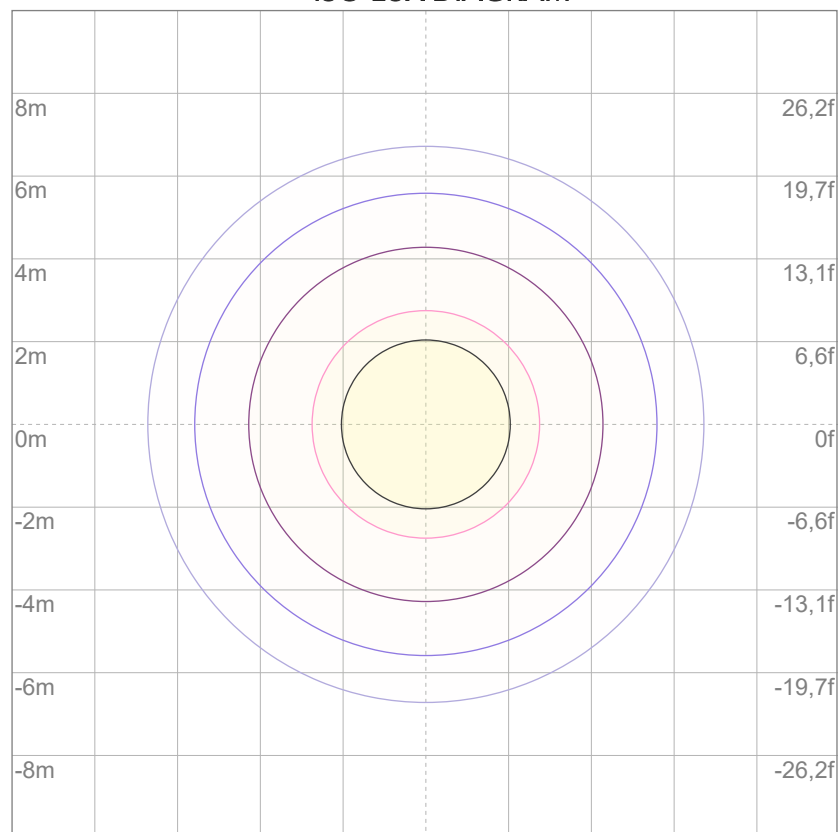
10%	298 cd
20%	596 cd
30%	893 cd
40%	1191 cd
50%	1489 cd
60%	1787 cd
70%	2084 cd
80%	2382 cd

Conditions:

Number of c-planes: 2

Candela at center: 2978 cd

ISO LUX DIAGRAM



3%	0,893 lx
5%	1,49 lx
10%	2,98 lx
30%	8,93 lx
50%	14,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 29,8 lx

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



Total lumen output:

673 lm

Peak candela output:

860 cd

Light quality:

CRI: 94,3

Color temperature:

4067 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

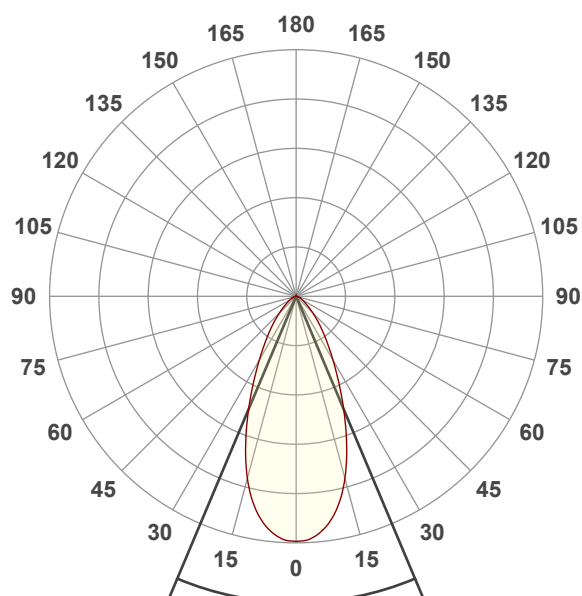
4000K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 12:48:25

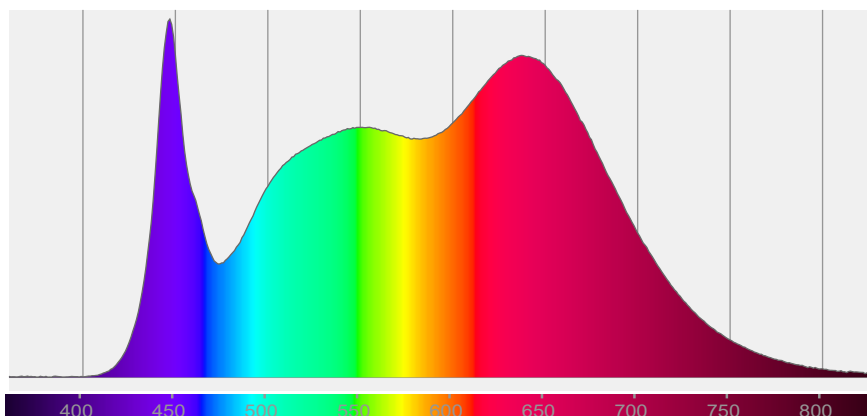


Beam angle 50%: 45,7°

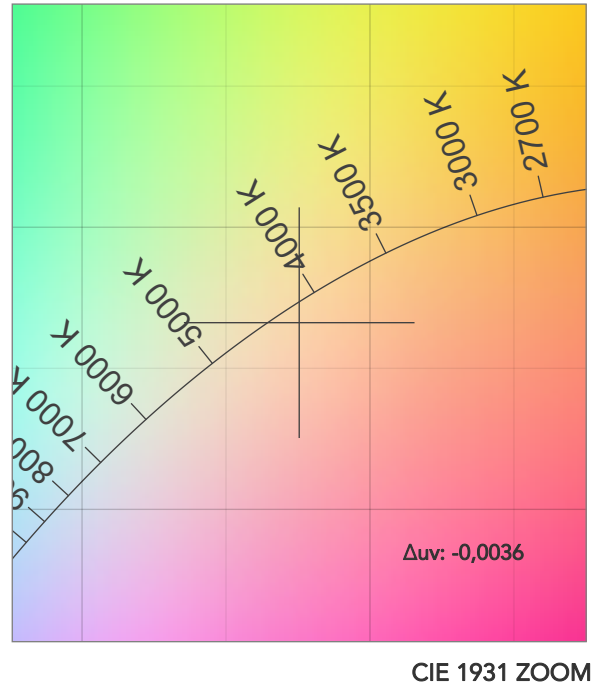
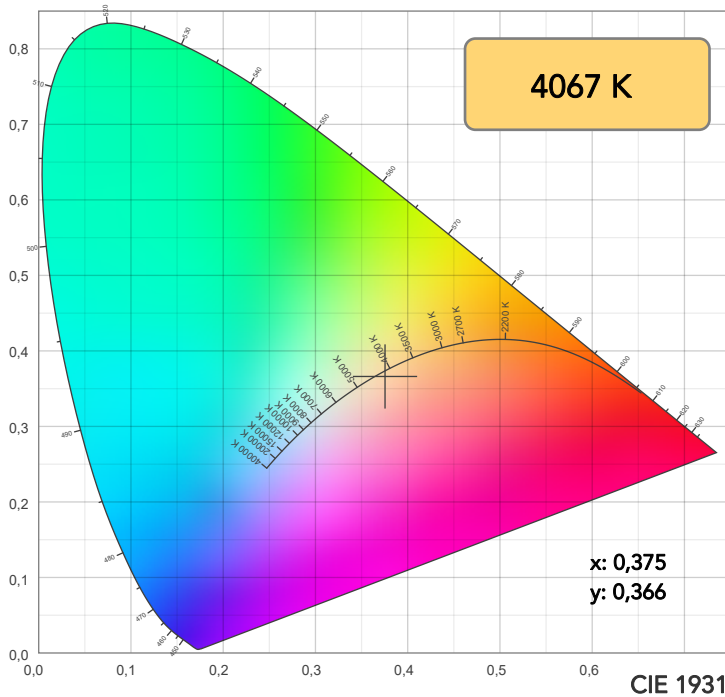
Field angle 10%: 89,2°

Cut off angle 2.5%: 124,8°

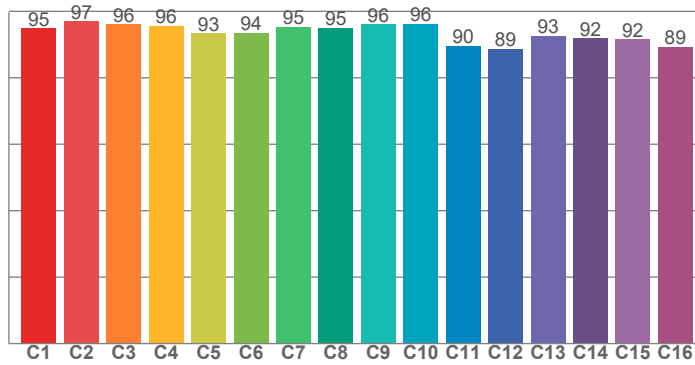
Spectra



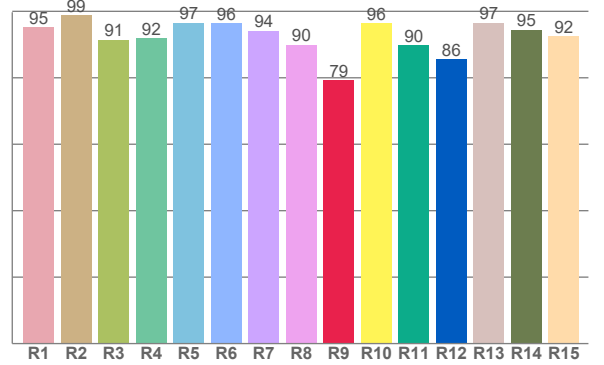
COLOR DETAILS



TM30: 93,8



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
95,2	98,8	91,4	91,9	96,5	96,4	94,2	89,9	79,2	96,4	89,9	85,7	96,6	94,5	92,4

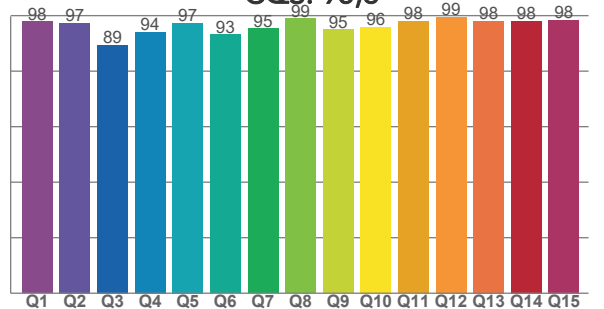
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 95,6



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
4067 K	94,3	79,2	93,8	105,0	95,6	97	0,375	0,366	-0,0036

TM30 DETAILS

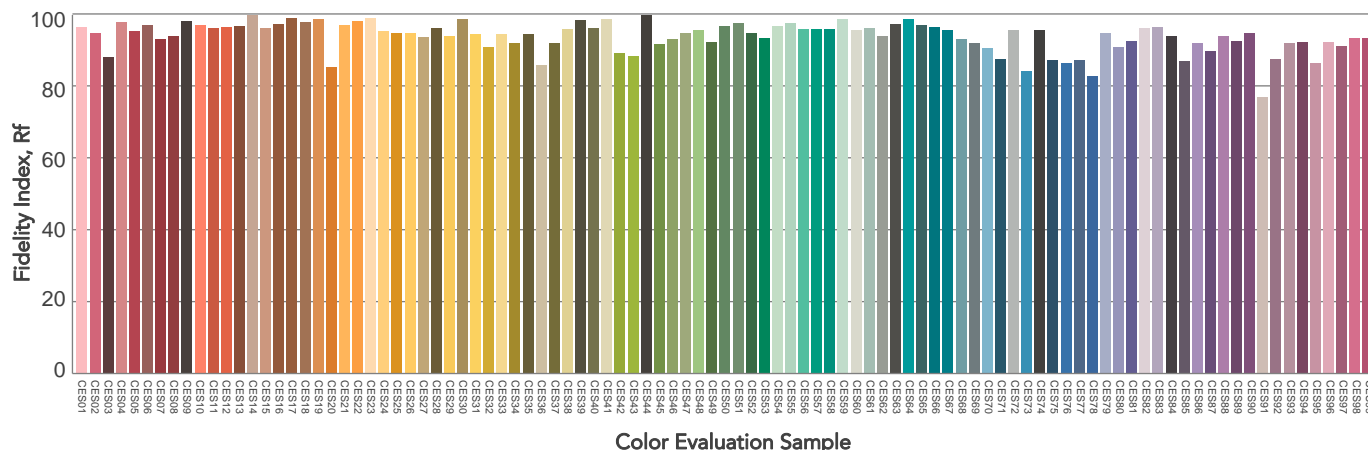
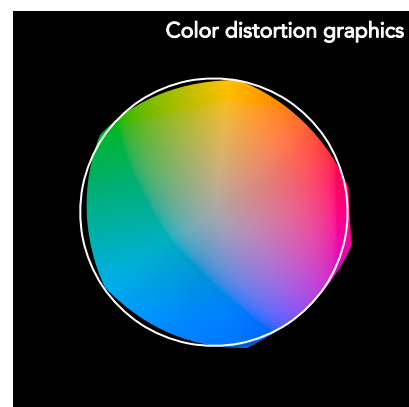
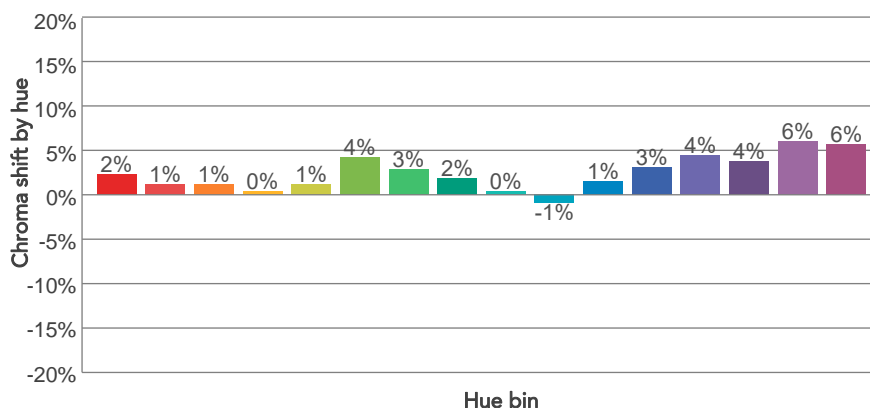
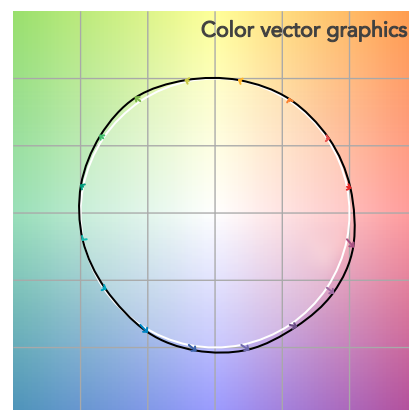
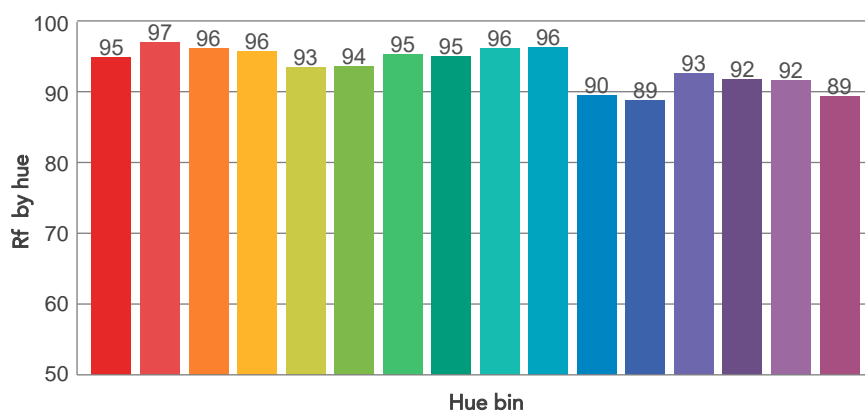
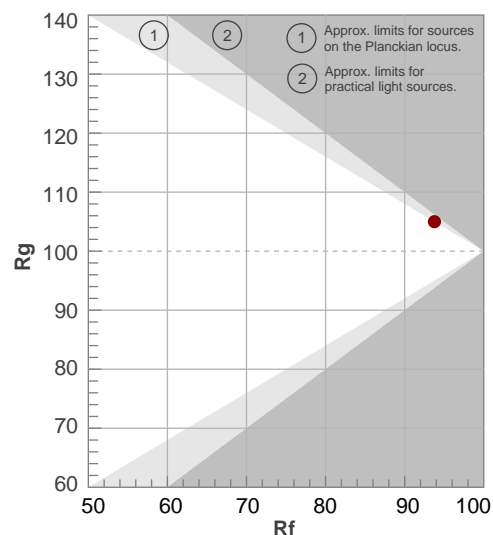
Rf 93,8

Fidelity index Rf

Rg 105,0

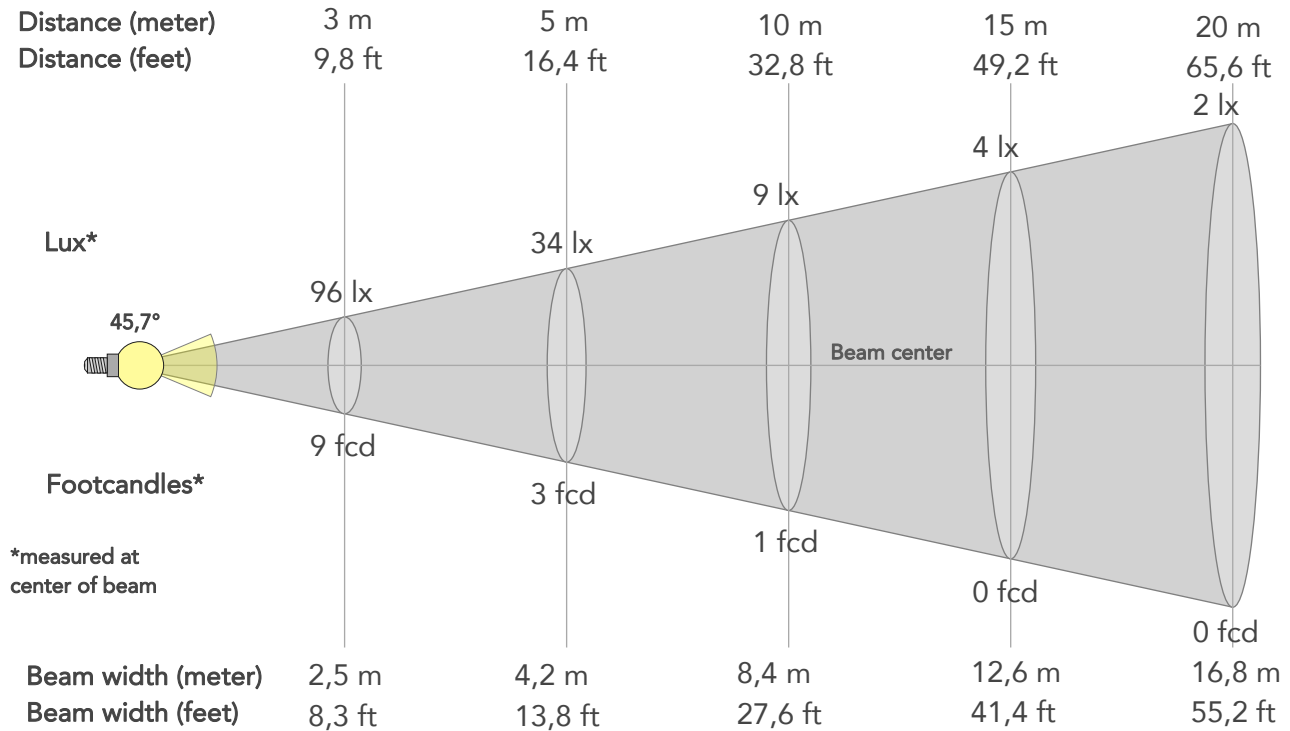
Gammut index

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



BEAM DETAILS

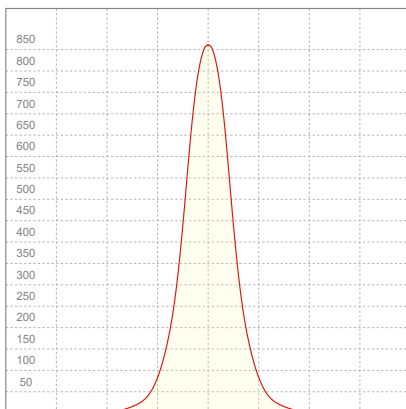
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,7°	89,2°	124,8°	95,5%	86,4%



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	860lx	215lx	96lx	54lx	34lx	15lx	9lx	4lx	2lx	1lx	1lx	1lx	0lx
Footcand.	80fcd	20fcd	9fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,4m	4,2m	6,3m	8,4m	12,6m	16,8m	21,1m	25,3m	33,7m	42,1m
Beam wid.	2,8ft	5,6ft	8,3ft	11ft	13,8ft	20,7ft	27,6ft	41,4ft	55,2ft	69ft	82,9ft	110,5ft	138,1ft

LINEAR DISTRIBUTION DIAGRAM

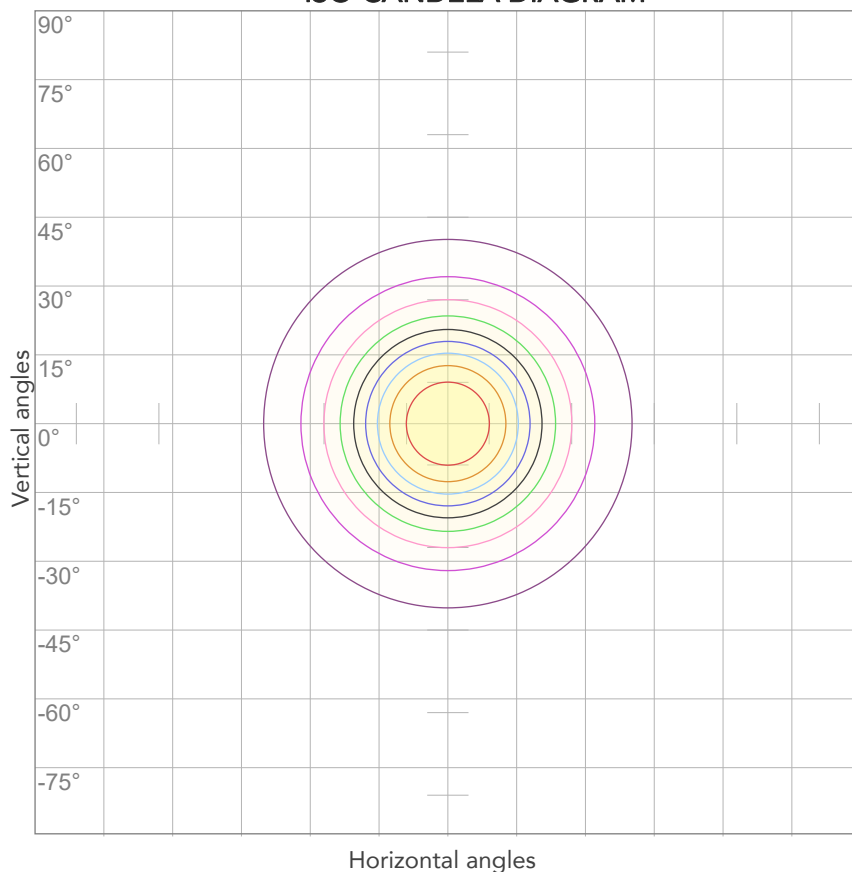


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,093A	16,9W	0,8	40lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



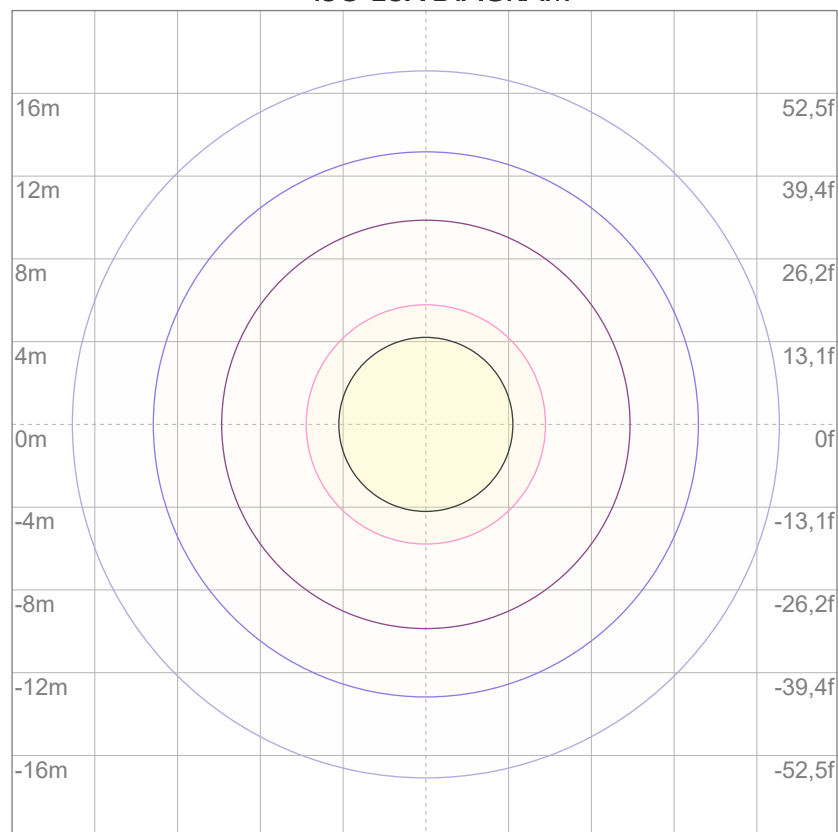
10%	86 cd
20%	172 cd
30%	258 cd
40%	344 cd
50%	430 cd
60%	516 cd
70%	602 cd
80%	688 cd

Conditions:

Number of c-planes: 2

Candela at center: 860 cd

ISO LUX DIAGRAM



3%	0,258 lx
5%	0,430 lx
10%	0,860 lx
30%	2,58 lx
50%	4,30 lx

Conditions:

Number of c-planes: 2

Lux at center: 8,60 lx

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



Total lumen output:

697 lm

Peak candela output:

616 cd

Light quality:

CRI: 94,3

Color temperature:

4054 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

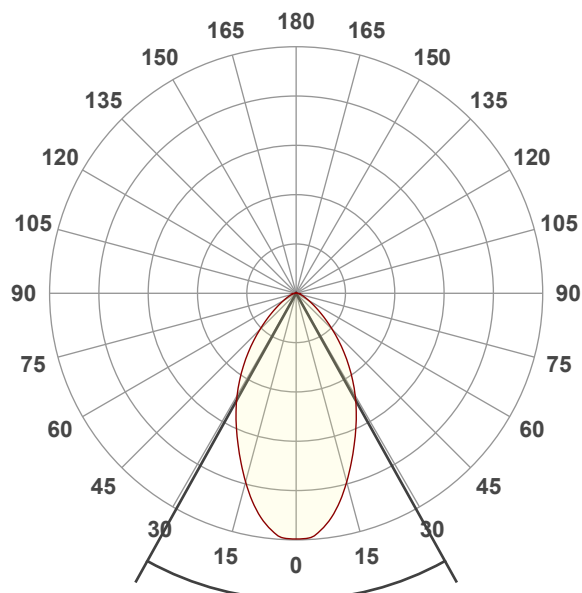
4000K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 13:04:06

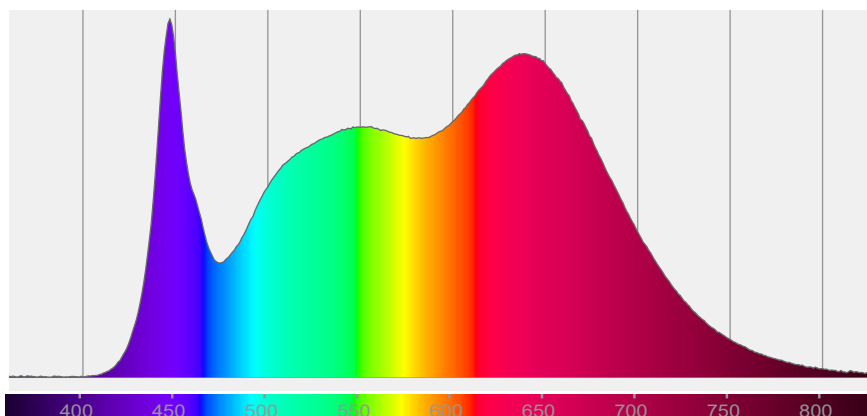


Beam angle 50%: 58,1°

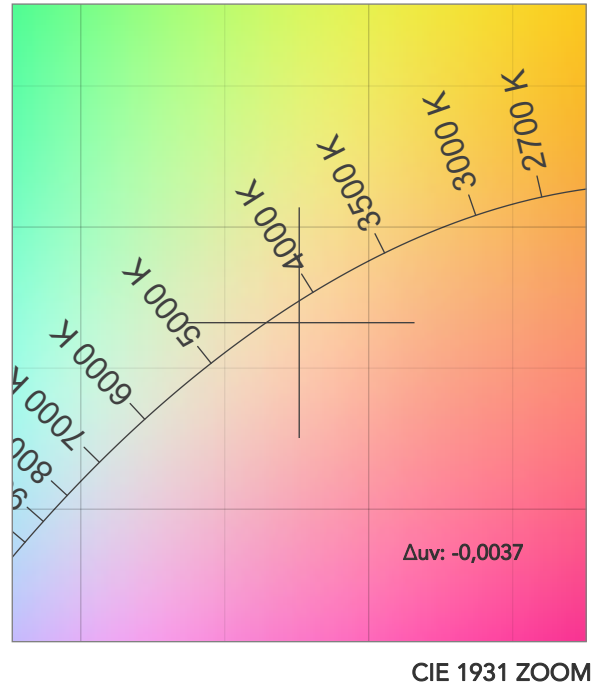
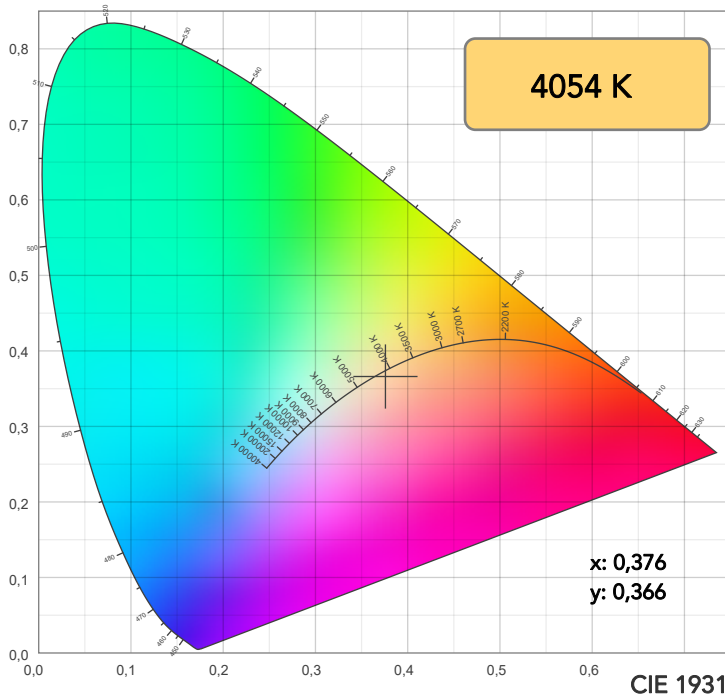
Field angle 10%: 108,1°

Cut off angle 2.5%: 142,3°

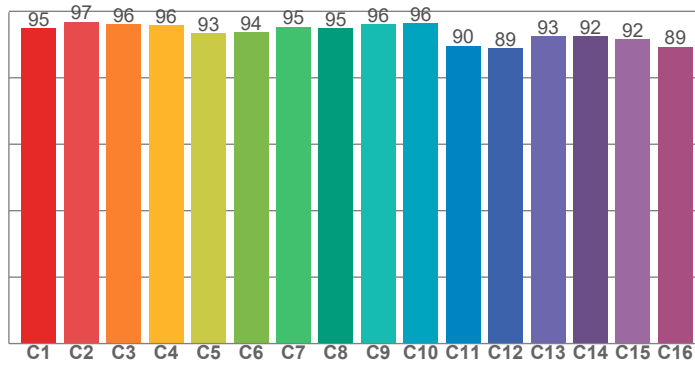
Spectra



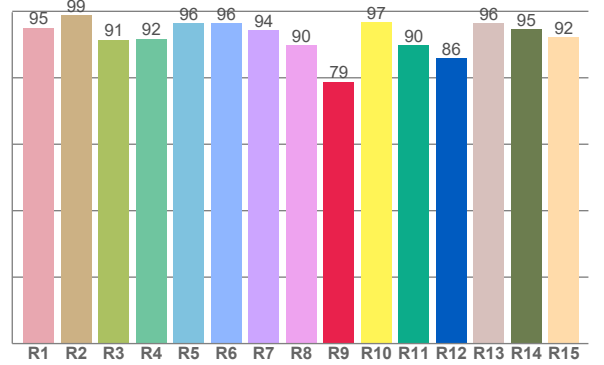
COLOR DETAILS



TM30: 93,8



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
95,0	98,8	91,5	91,8	96,4	96,5	94,2	89,8	78,9	96,6	89,8	85,8	96,4	94,5	92,2

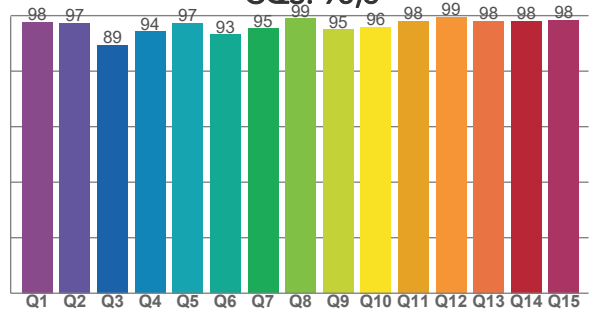
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 95,6



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
4054 K	94,3	78,9	93,8	105,1	95,6	97	0,376	0,366	-0,0037

TM30 DETAILS

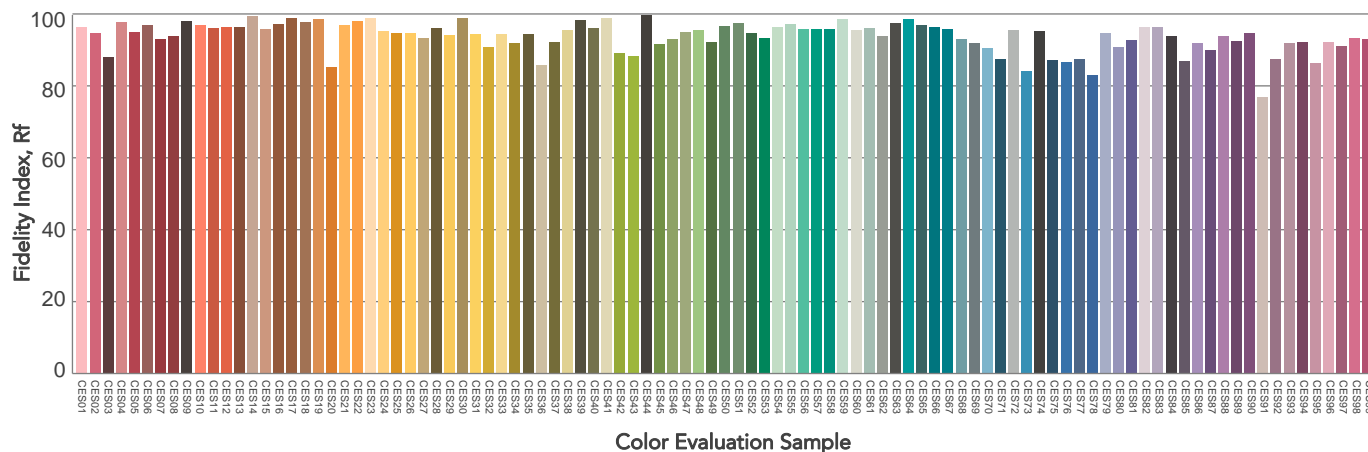
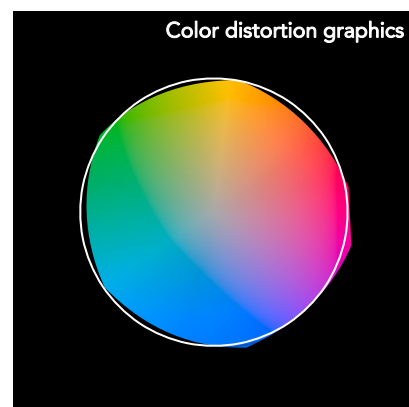
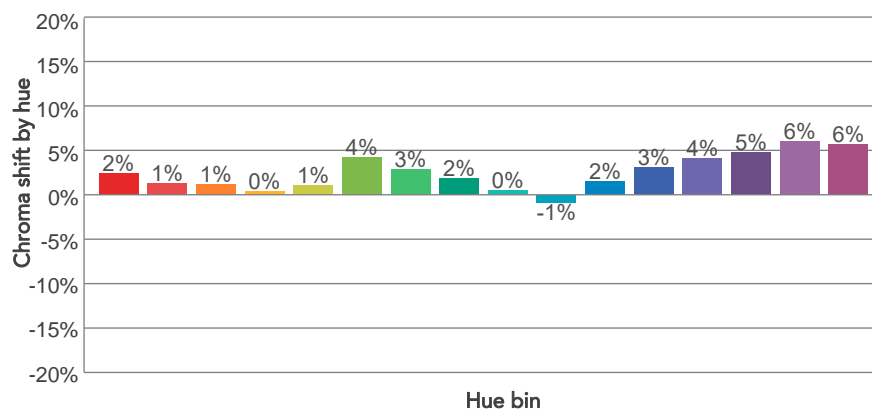
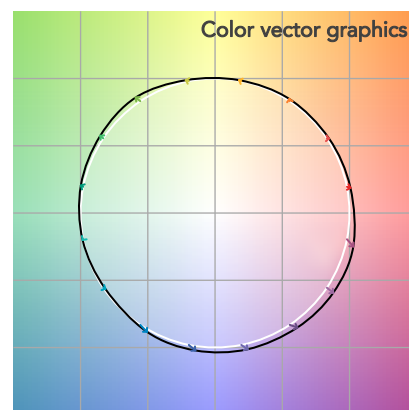
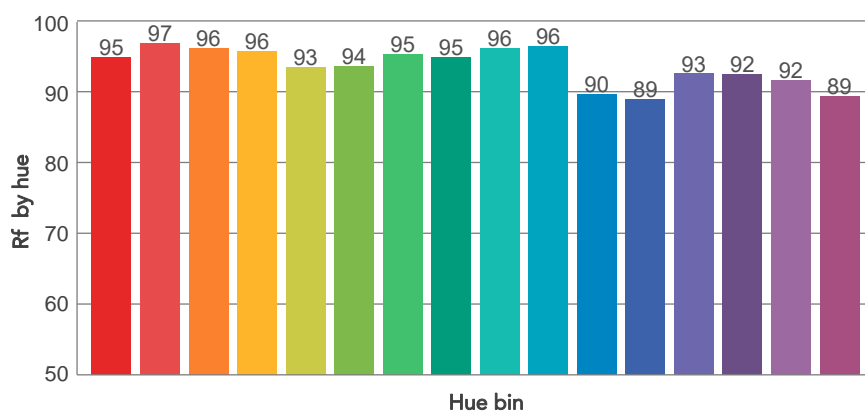
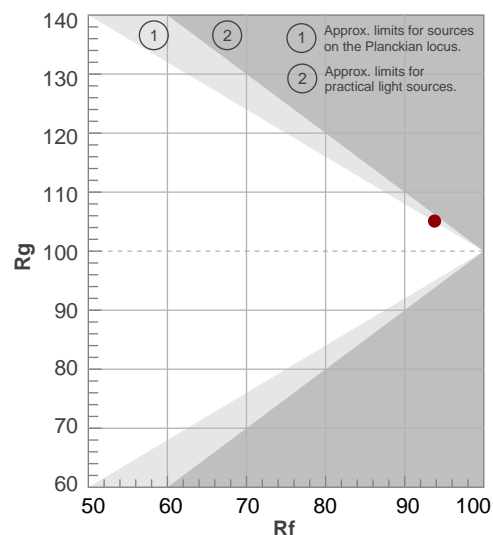
Rf 93,8

Fidelity index Rf

Rg 105,1

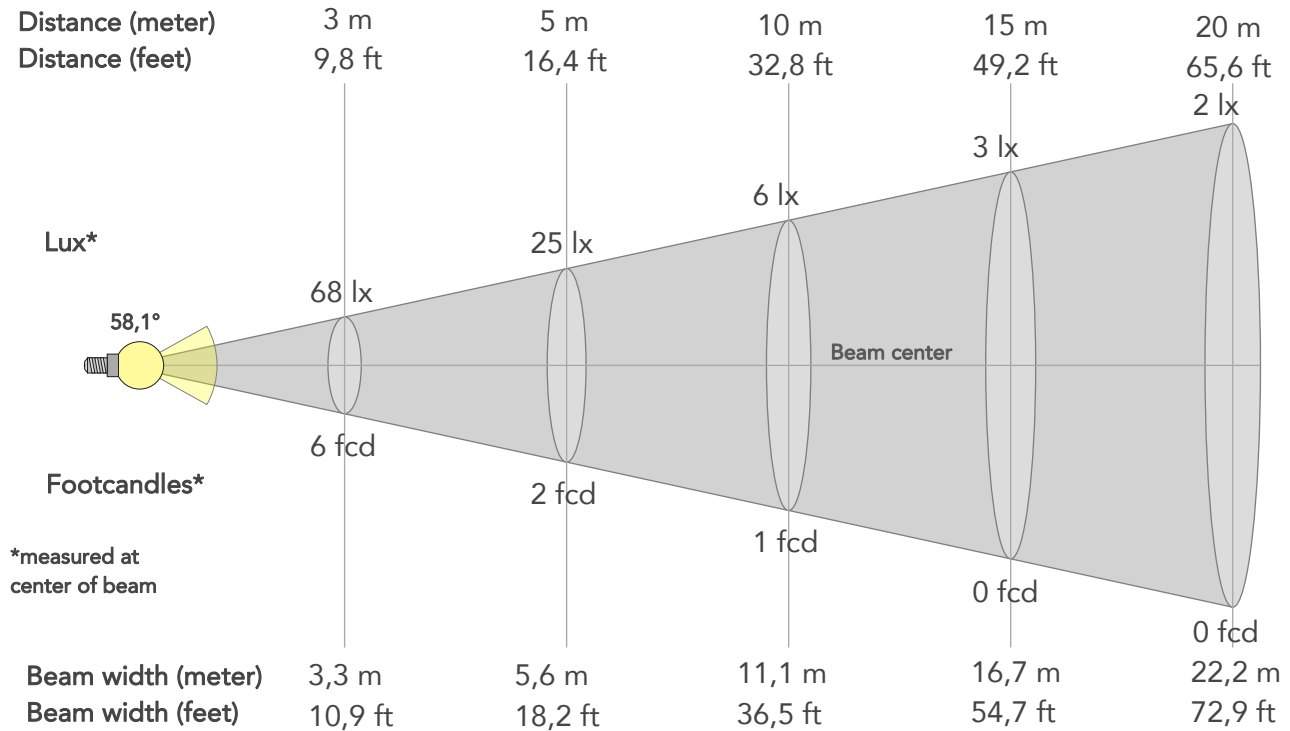
Gammut index

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



BEAM DETAILS

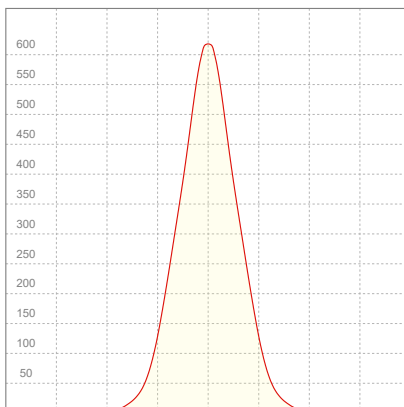
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,1°	108,1°	142,3°	94,2%	80,5%



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	616lx	154lx	68lx	38lx	25lx	11lx	6lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	57fcd	14fcd	6fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	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

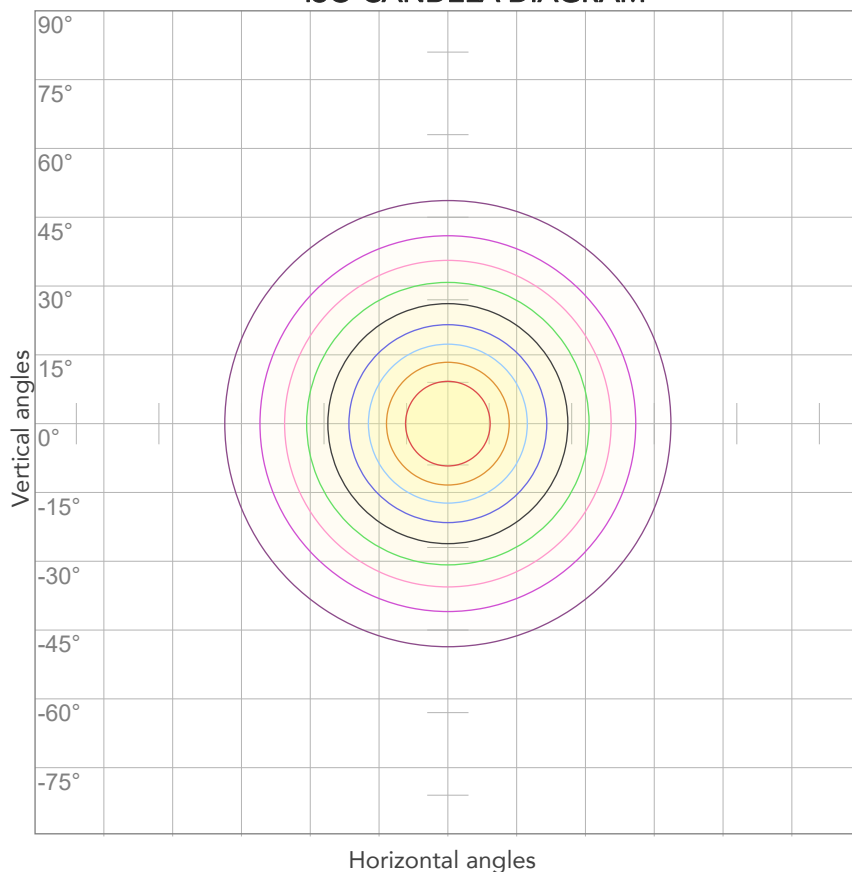


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,092A	16,9W	0,81	41lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



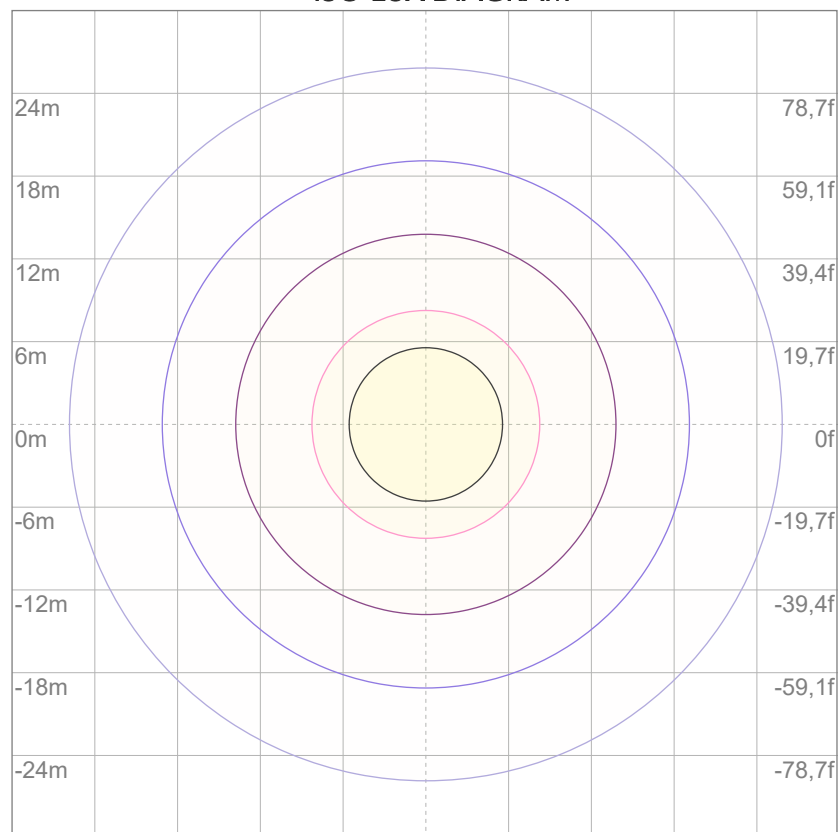
10%	62 cd
20%	123 cd
30%	185 cd
40%	246 cd
50%	308 cd
60%	369 cd
70%	431 cd
80%	493 cd

Conditions:

Number of c-planes: 2

Candela at center: 616 cd

ISO LUX DIAGRAM



3%	0,185 lx
5%	0,308 lx
10%	0,616 lx
30%	1,85 lx
50%	3,08 lx

Conditions:

Number of c-planes: 2

Lux at center: 6,16 lx

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



Total lumen output:

1060 lm

Peak candela output:

2208 cd

Light quality:

CRI: 94,3

Color temperature:

4054 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

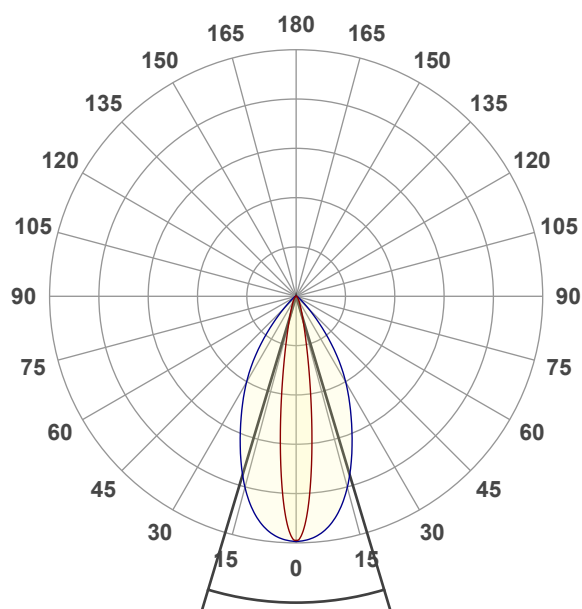
4000K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 13:22:39

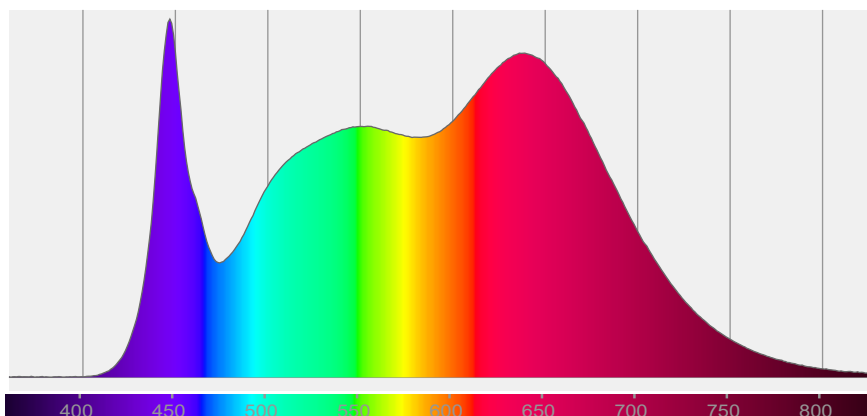


Beam angle 50%: 33,4°

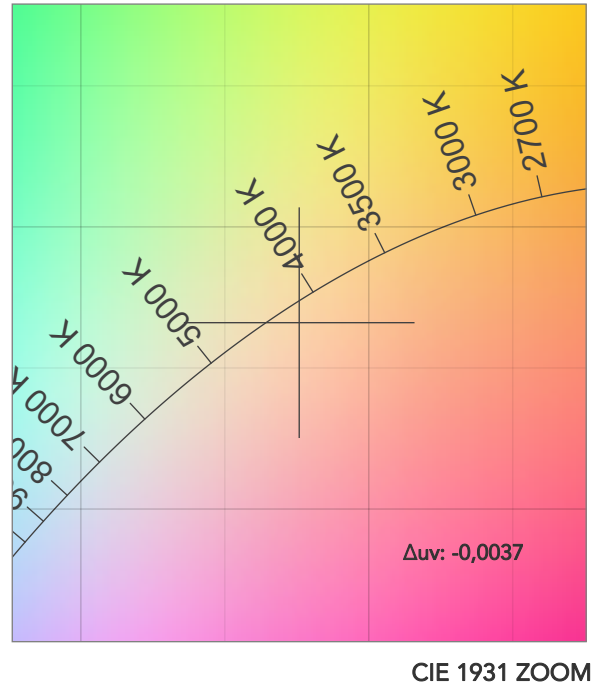
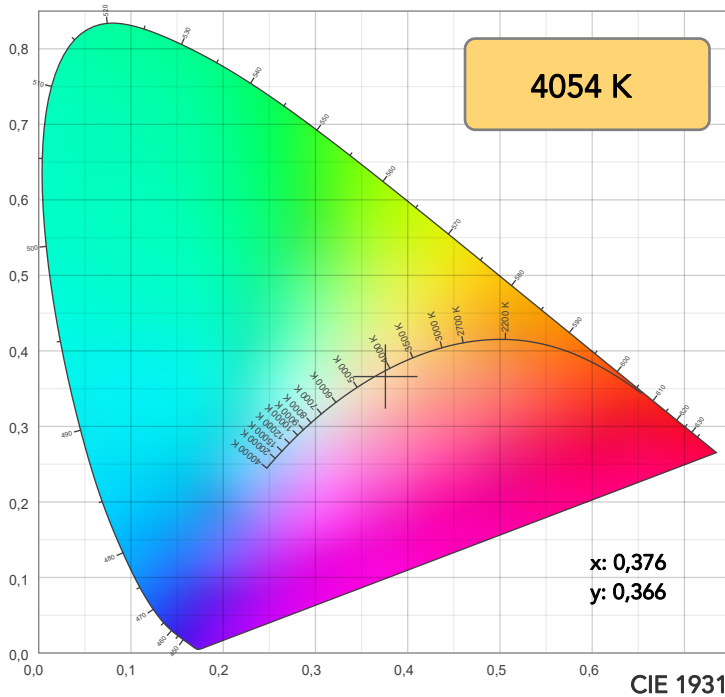
Field angle 10%: 59,3°

Cut off angle 2.5%: 82,3°

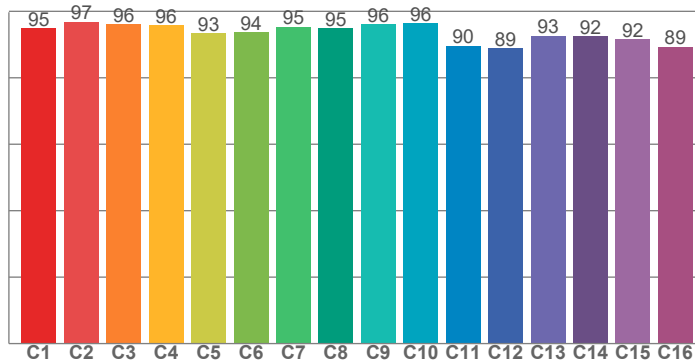
Spectra



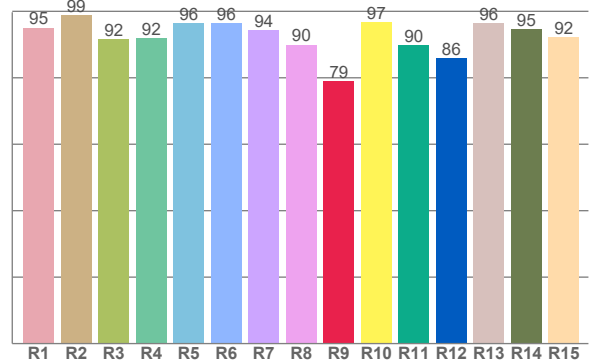
COLOR DETAILS



TM30: 93,8



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
95,1	98,8	91,5	91,8	96,4	96,5	94,3	89,9	79,0	96,6	89,8	85,8	96,4	94,6	92,3

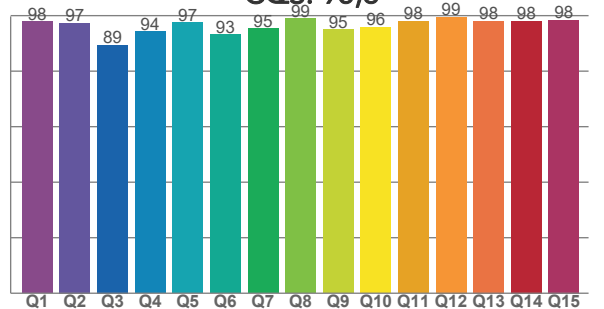
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 95,6



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
4054 K	94,3	79,0	93,8	105,1	95,6	97	0,376	0,366	-0,0037

TM30 DETAILS

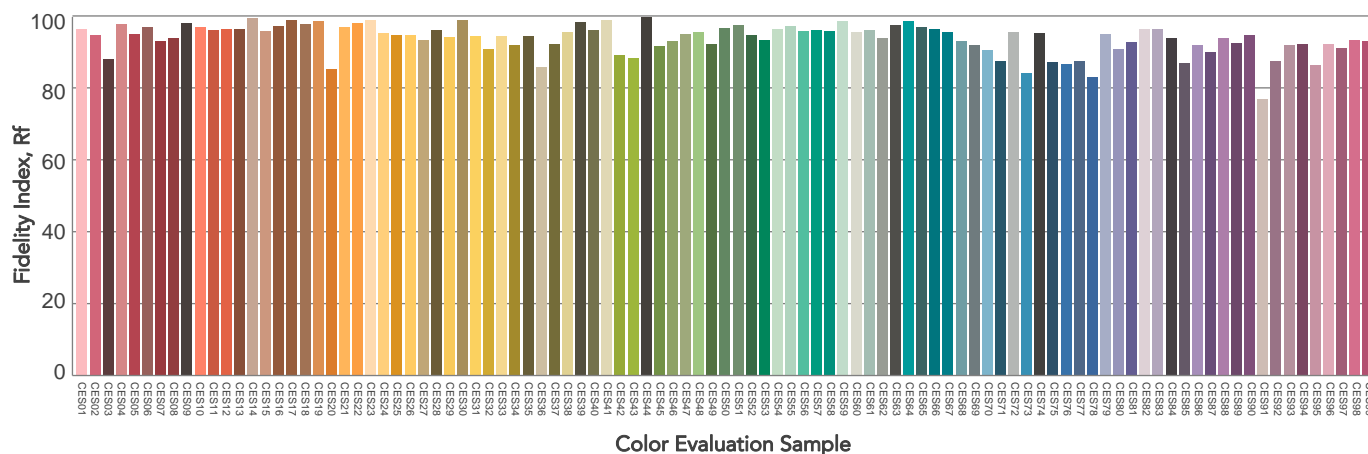
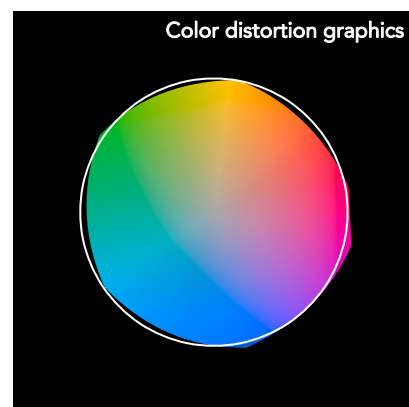
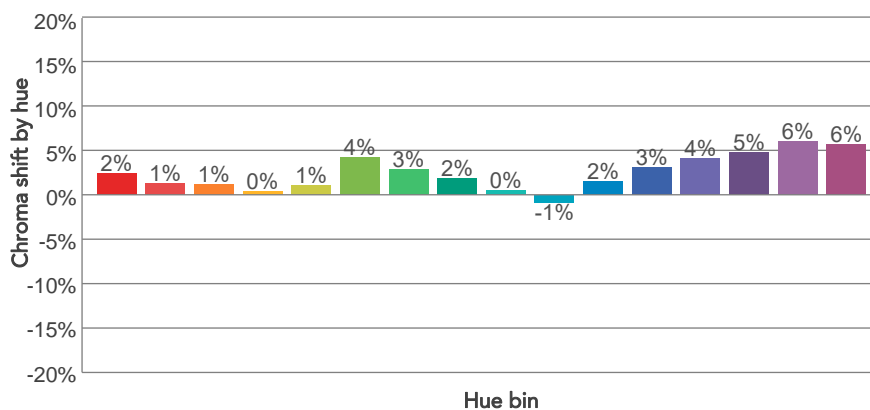
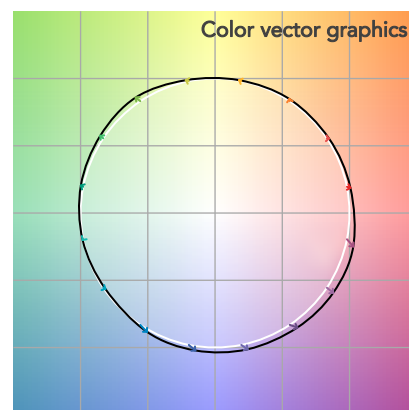
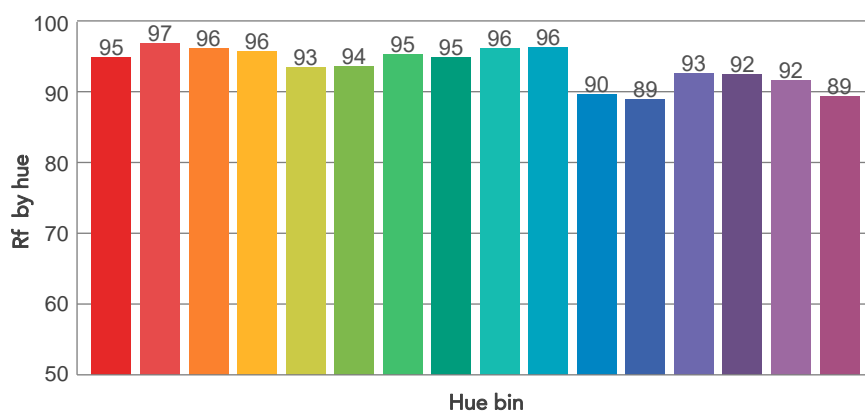
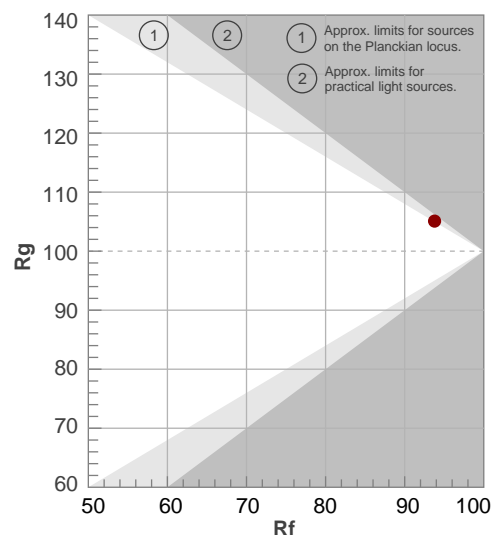
Rf 93,8

Fidelity index Rf

Rg 105,1

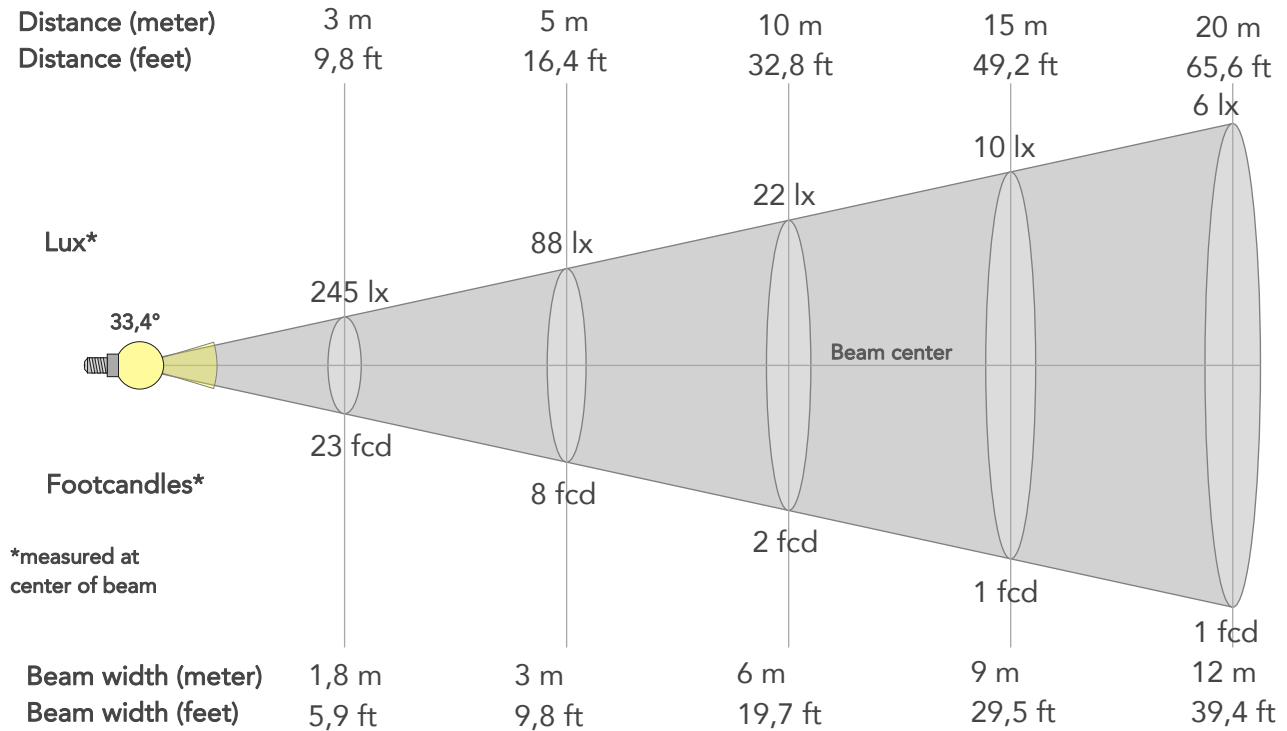
Gammut index

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



BEAM DETAILS

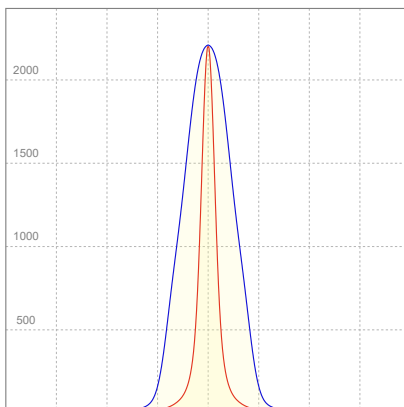
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,4°	59,3°	82,3°	97,7%	92,8%



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	2203lx	551lx	245lx	138lx	88lx	39lx	22lx	10lx	6lx	4lx	2lx	1lx	1lx
Footcand.	205fcd	51fcd	23fcd	13fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,8ft	14,8ft	19,7ft	29,5ft	39,4ft	49,2ft	59ft	78,7ft	98,4ft

LINEAR DISTRIBUTION DIAGRAM

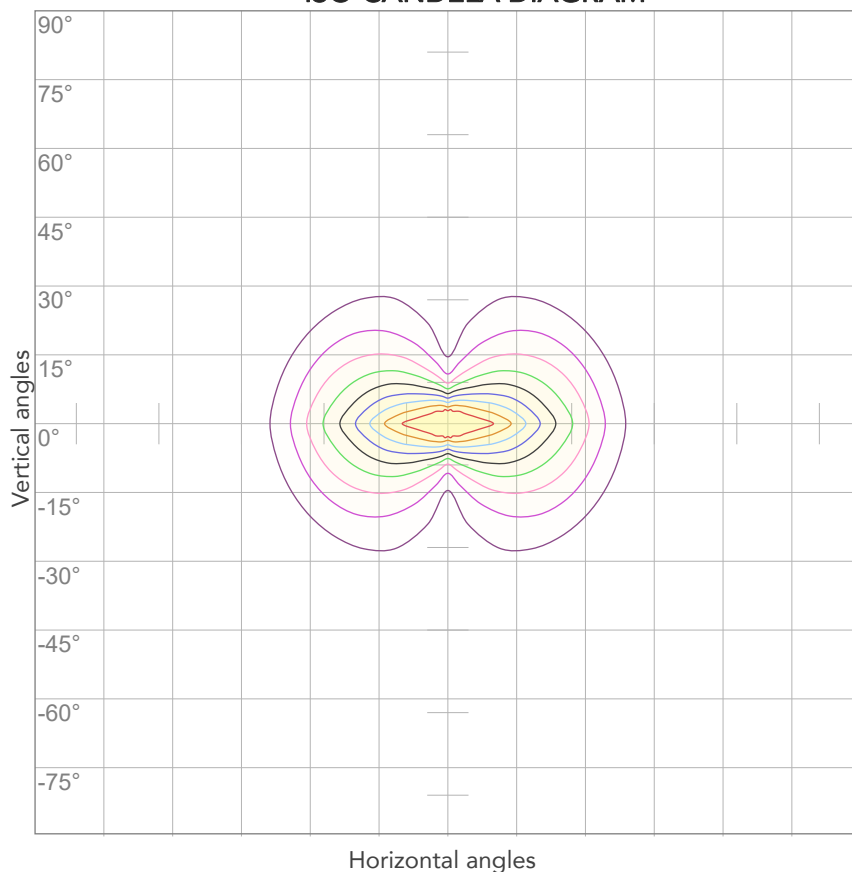


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,093A	16,9W	0,8	63lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



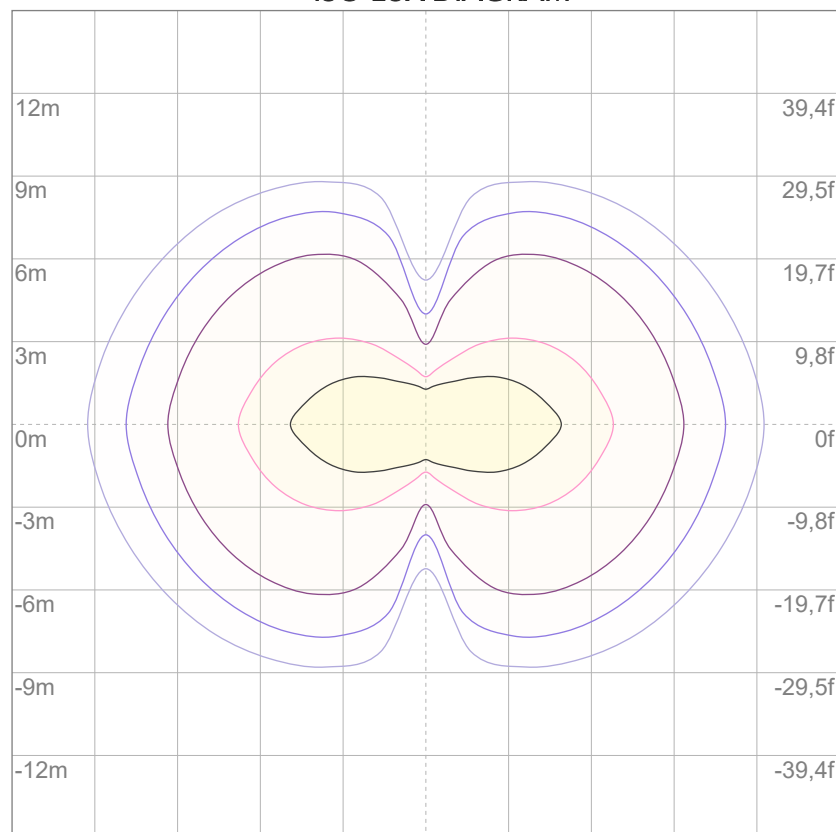
10%	220 cd
20%	441 cd
30%	661 cd
40%	881 cd
50%	1101 cd
60%	1322 cd
70%	1542 cd
80%	1762 cd

Conditions:

Number of c-planes: 4

Candela at center: 2203 cd

ISO LUX DIAGRAM



3%	0,661 lx
5%	1,10 lx
10%	2,20 lx
30%	6,61 lx
50%	11,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 22,0 lx

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



Total lumen output:

646 lm

Peak candela output:

1085 cd

Light quality:

CRI: 94,3

Color temperature:

4057 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

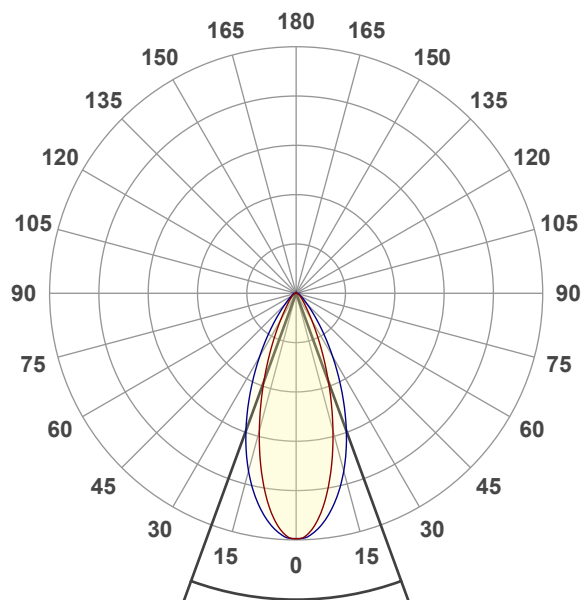
4000K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 14:59:15

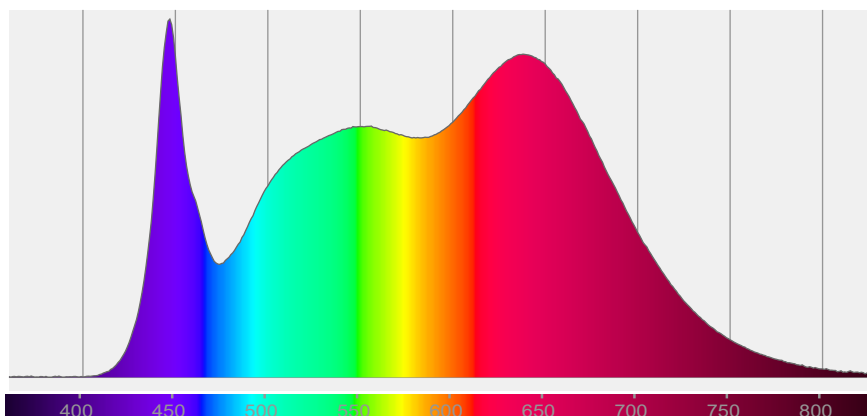


Beam angle 50%: 40,1°

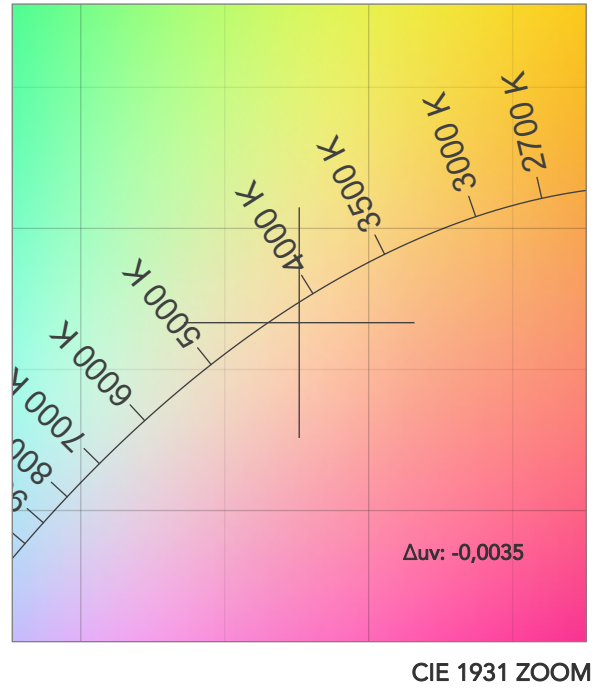
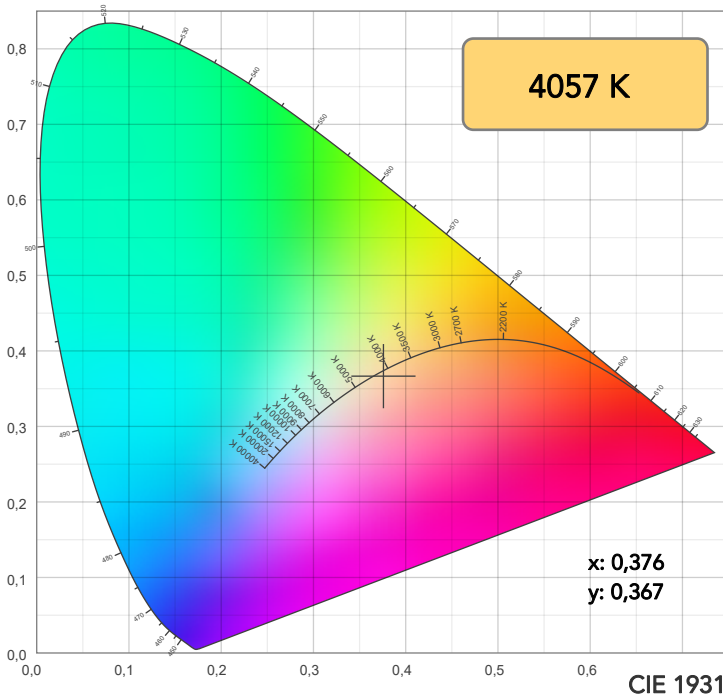
Field angle 10%: 73,2°

Cut off angle 2.5%: 108,2°

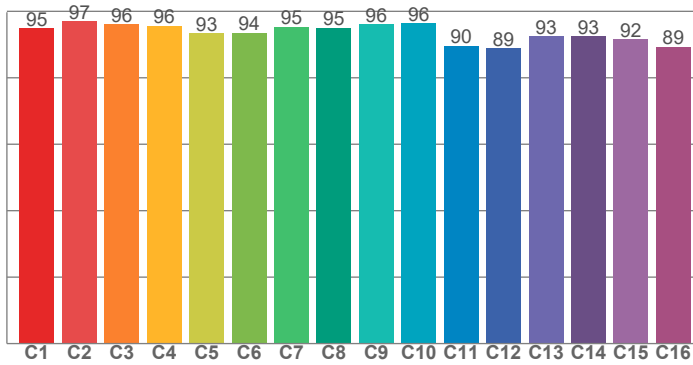
Spectra



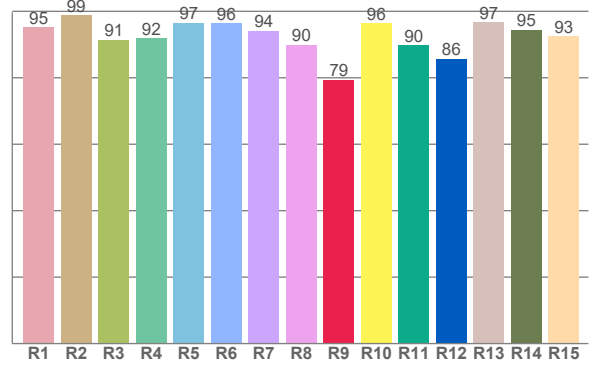
COLOR DETAILS



TM30: 93,8



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
95,3	98,8	91,4	91,8	96,6	96,4	94,2	90,0	79,4	96,3	89,9	85,8	96,7	94,5	92,5

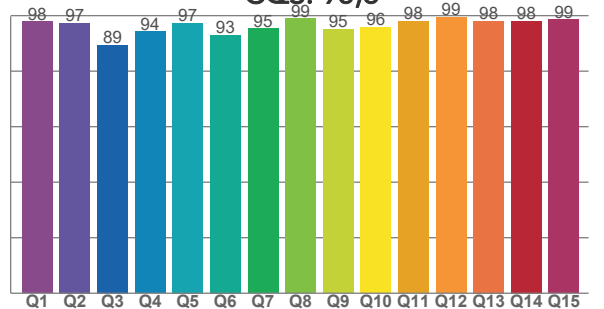
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 95,6



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
4057 K	94,3	79,4	93,8	105,1	95,6	97	0,376	0,367	-0,0035

TM30 DETAILS

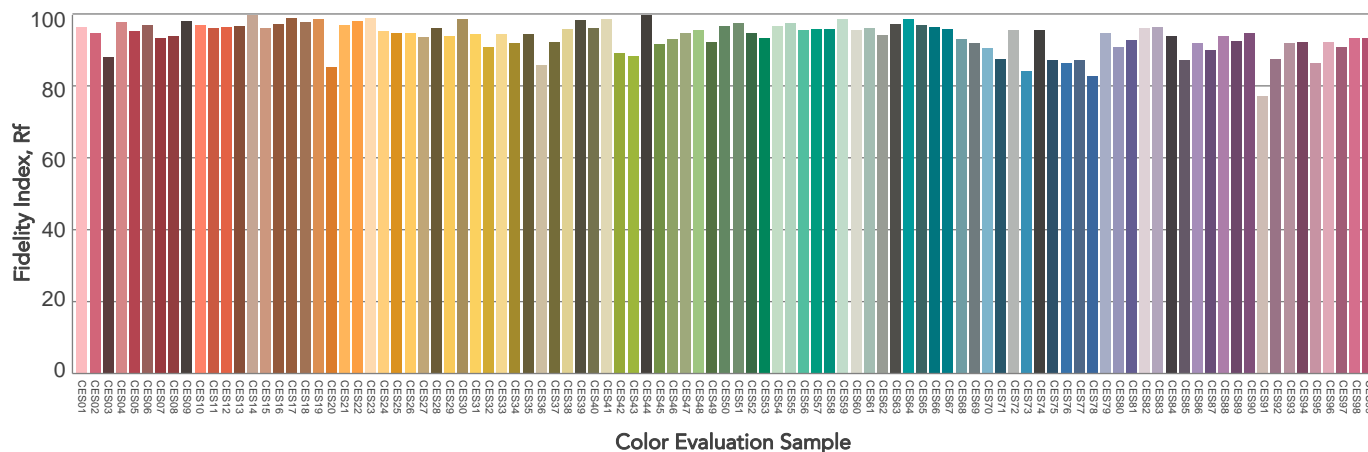
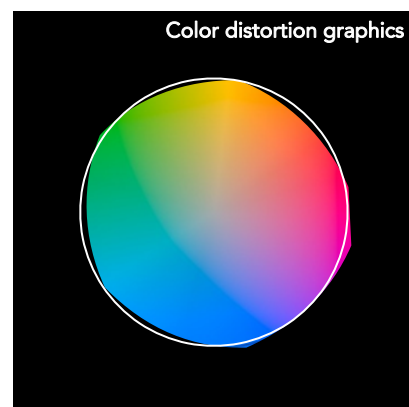
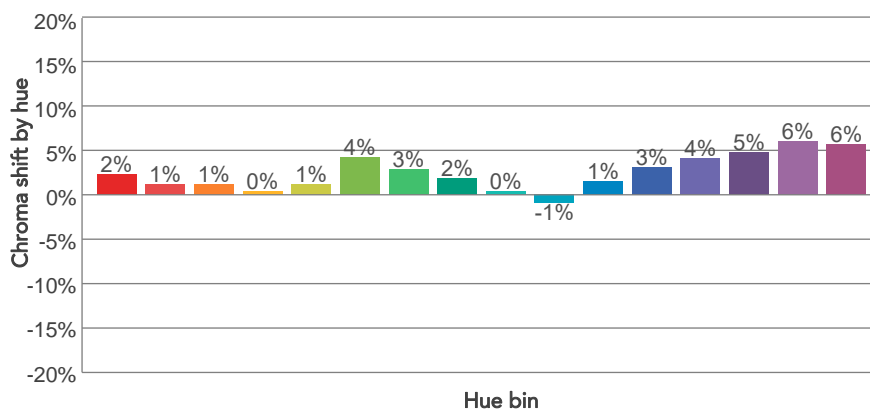
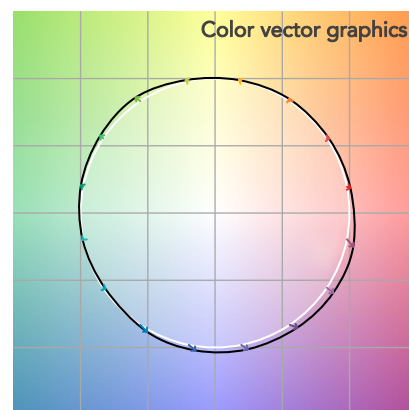
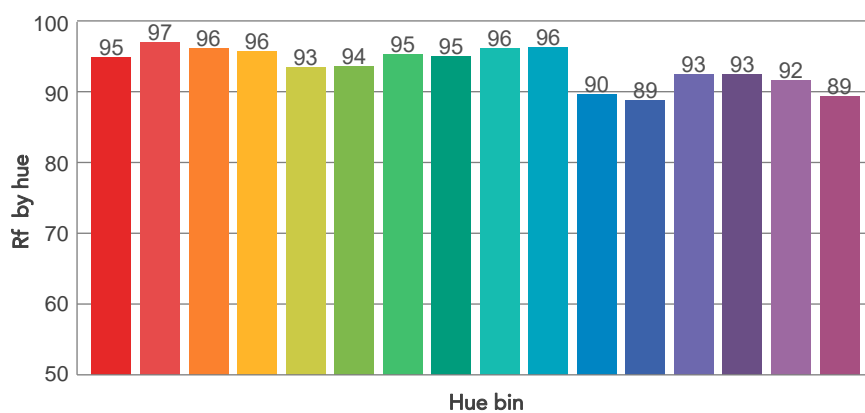
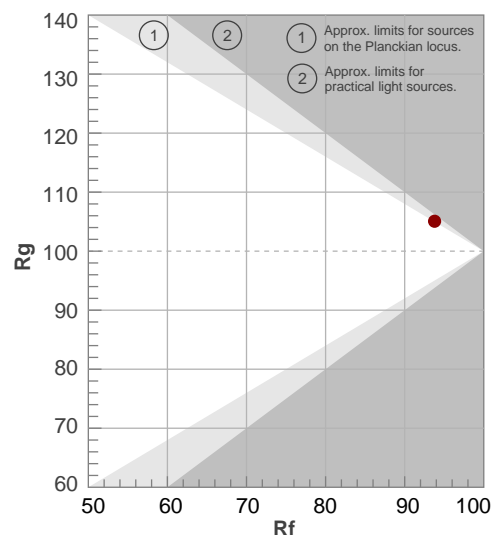
Rf 93,8

Fidelity index Rf

Rg 105,1

Gammut index

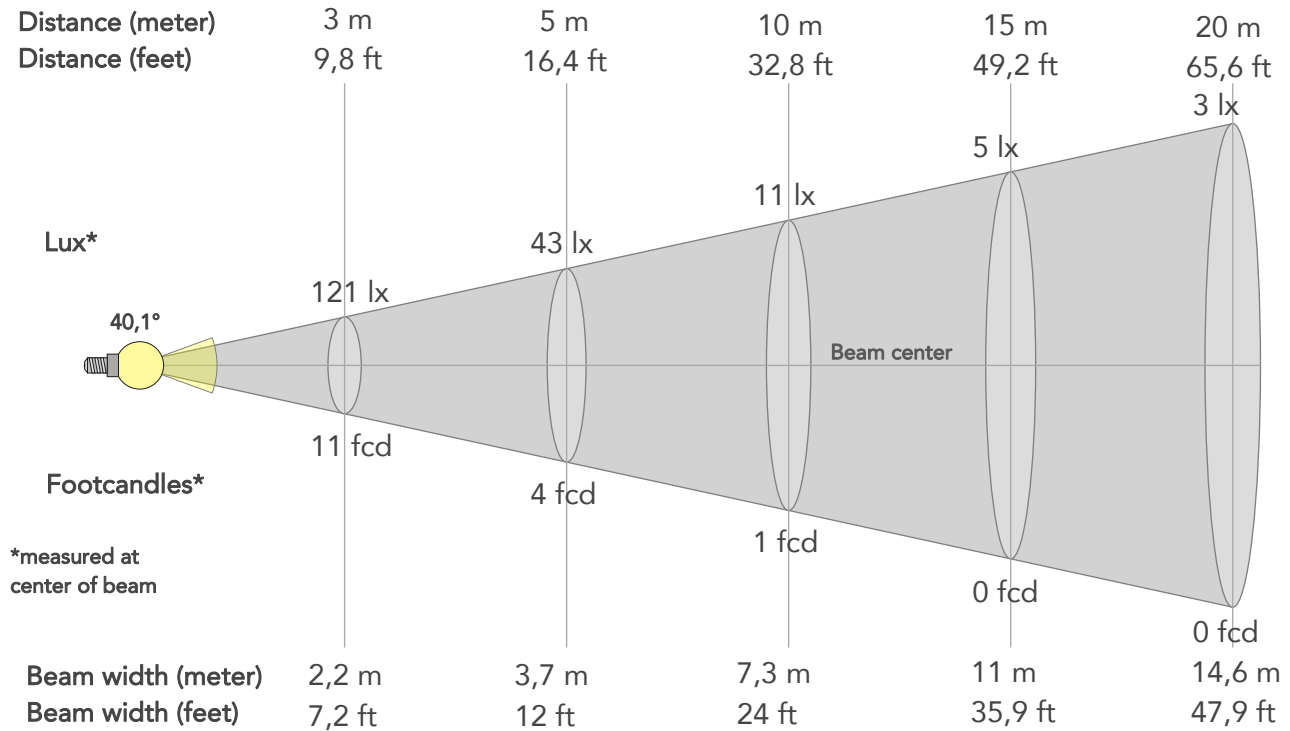
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	97	1%	-1%
3	96	1%	1%
4	96	0%	2%
5	93	1%	2%
6	94	4%	1%
7	95	3%	0%
8	95	2%	-1%
9	96	0%	0%
10	96	-1%	2%
11	90	1%	7%
12	89	3%	6%
13	93	4%	4%
14	93	5%	4%
15	92	6%	0%
16	89	6%	-4%



BEAM DETAILS



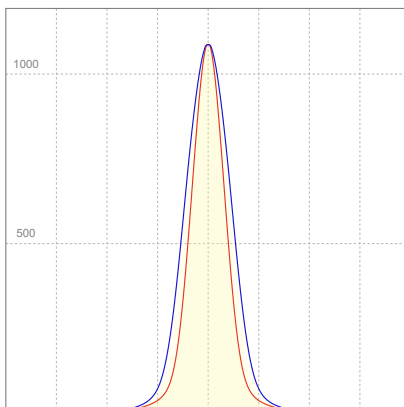
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40,1°	73,2°	108,2°	95,7%	89,1%



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	1085lx	271lx	121lx	68lx	43lx	19lx	11lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	101fcd	25fcd	11fcd	6fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	2,9m	3,7m	5,5m	7,3m	11m	14,6m	18,3m	21,9m	29,2m	36,5m
Beam wid.	2,4ft	4,8ft	7,2ft	9,6ft	12ft	18ft	24ft	35,9ft	47,9ft	59,9ft	71,9ft	95,8ft	119,8ft

LINEAR DISTRIBUTION DIAGRAM

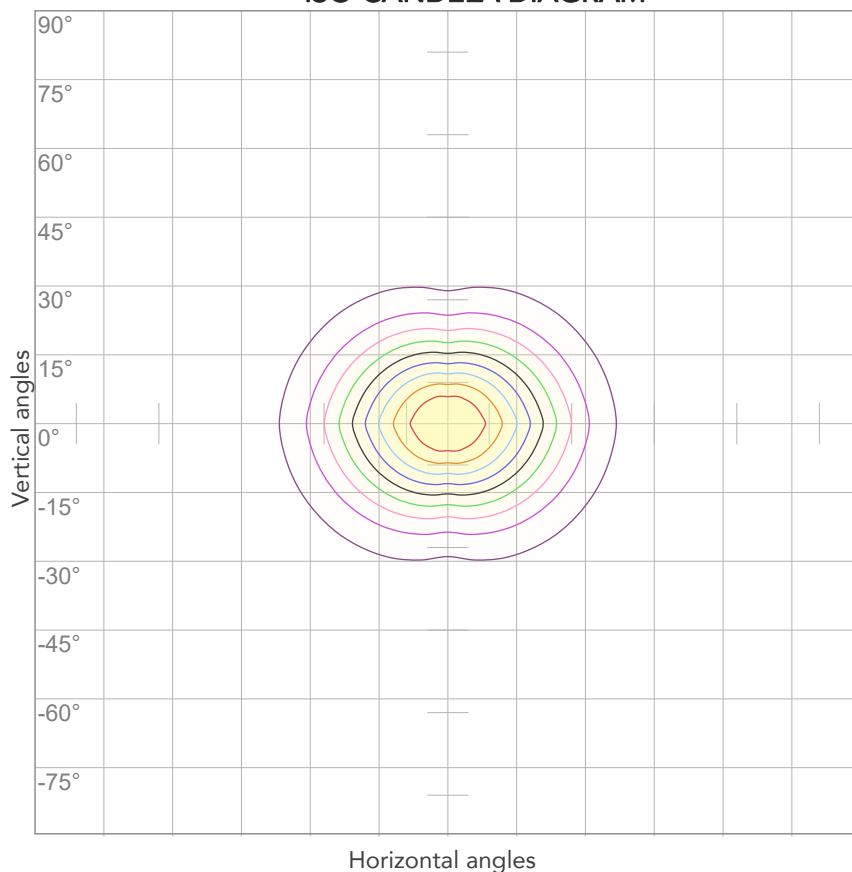


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,093A	16,9W	0,8	38lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



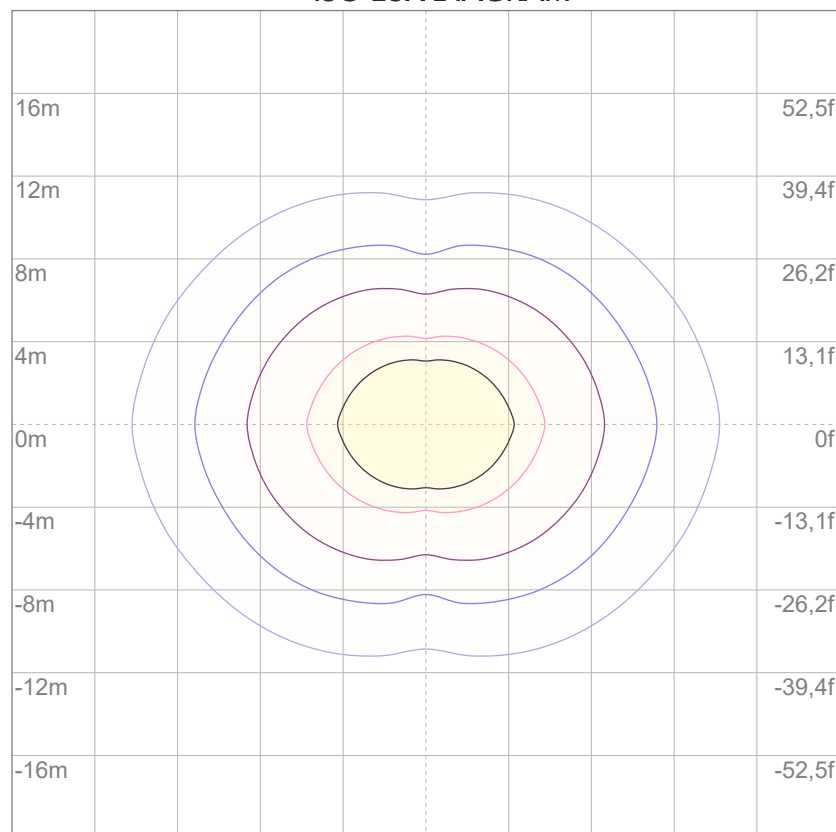
10%	108 cd
20%	217 cd
30%	325 cd
40%	434 cd
50%	542 cd
60%	651 cd
70%	759 cd
80%	868 cd

Conditions:

Number of c-planes: 4

Candela at center: 1085 cd

ISO LUX DIAGRAM



3%	0,325 lx
5%	0,542 lx
10%	1,08 lx
30%	3,25 lx
50%	5,42 lx

Conditions:

Number of c-planes: 4

Lux at center: 10,8 lx

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



Total lumen output:

805 lm

Peak candela output:

16185 cd

Light quality:

CRI: 93,9

Color temperature:

5612 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

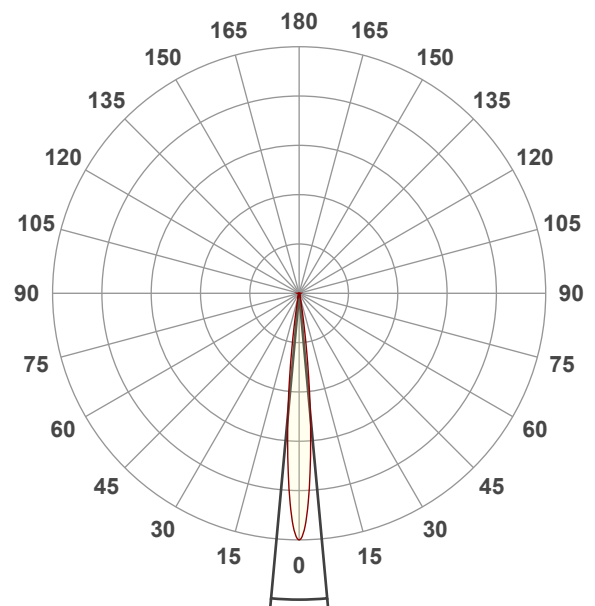
5600K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 11:36:03

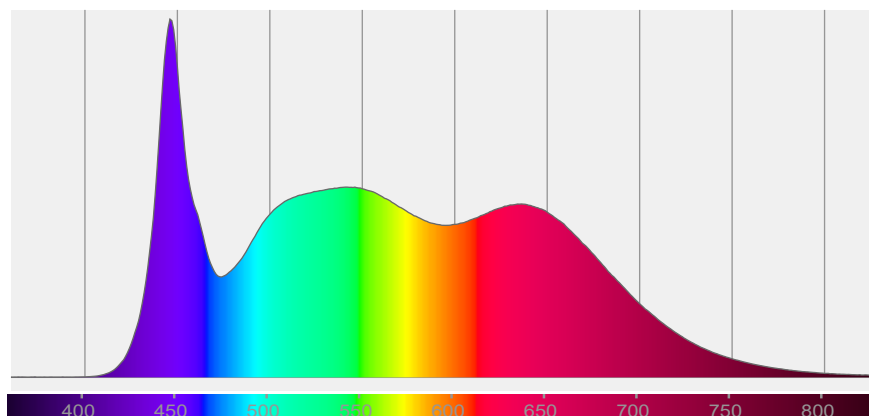


Beam angle 50%: 10,5°

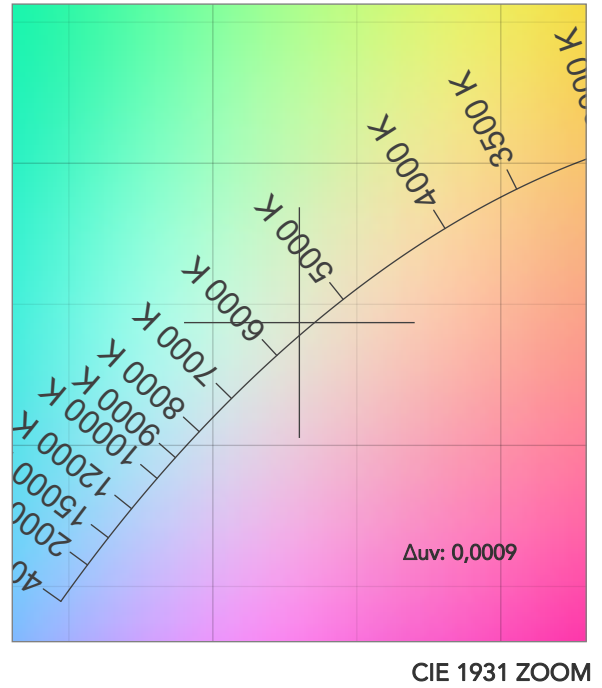
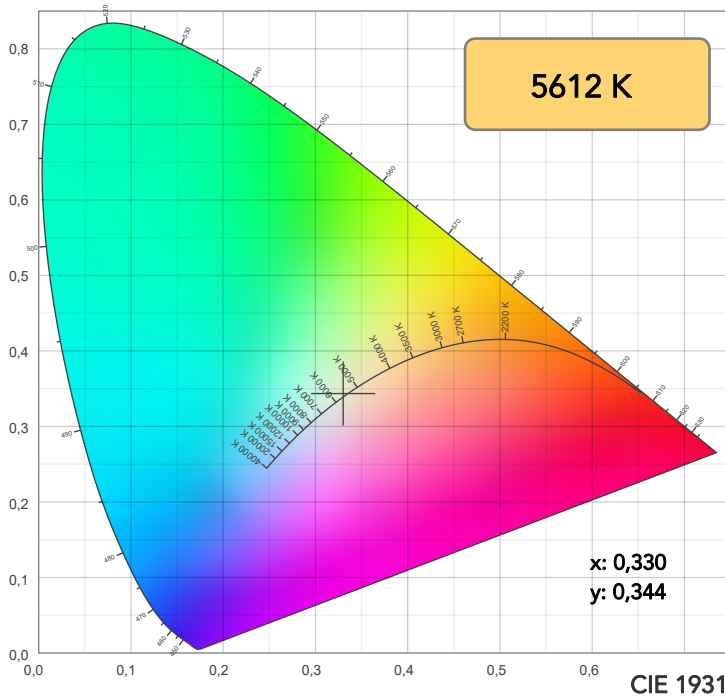
Field angle 10%: 18,6°

Cut off angle 2.5%: 26,7°

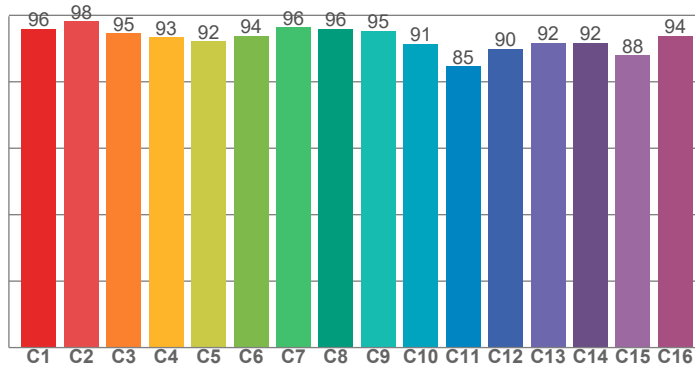
Spectra



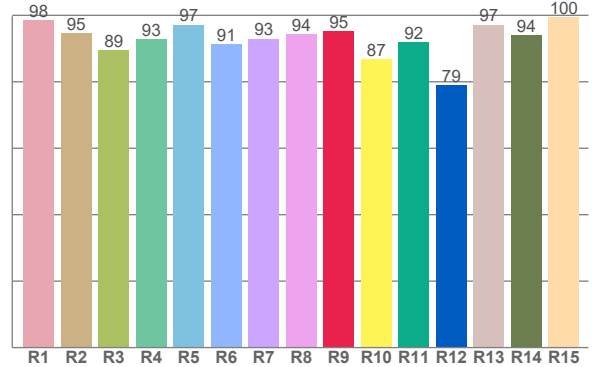
COLOR DETAILS



TM30: 92,9



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
98,5	94,7	89,5	92,7	97,1	91,4	93,0	94,2	95,1	86,9	91,9	79,0	97,1	94,0	99,5

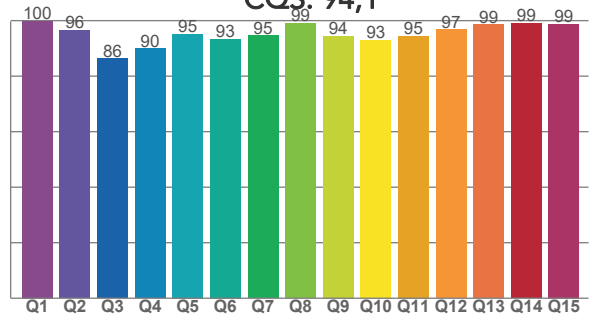
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,0	98,2	94,5	93,3	92,1	93,8	96,4	95,8	95,4	91,5	84,7	89,9	91,7	91,7	87,9	93,9

CQS Q values

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

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
5612 K	93,9	95,1	92,9	103,5	94,1	98	0,330	0,344	0,0009

TM30 DETAILS

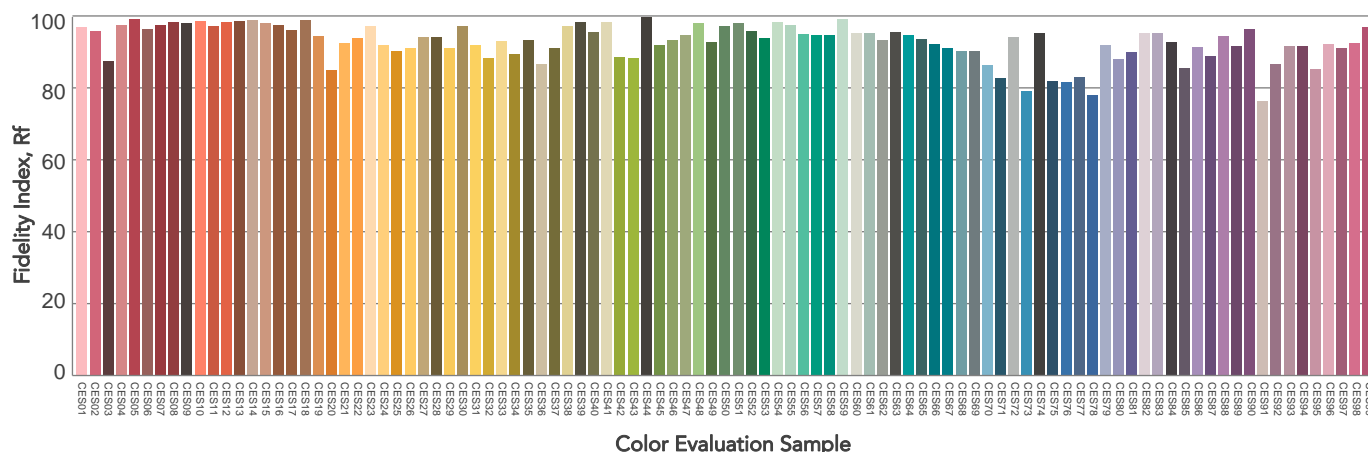
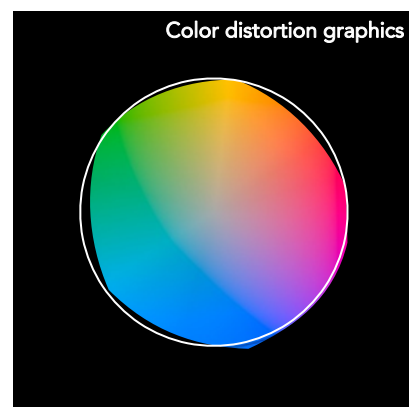
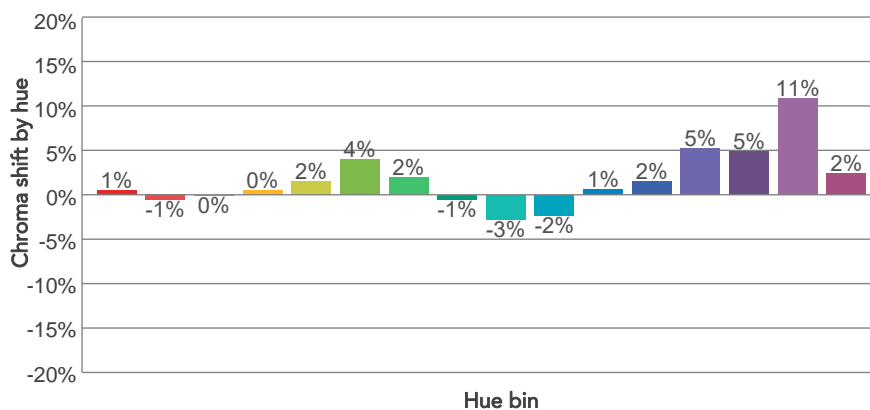
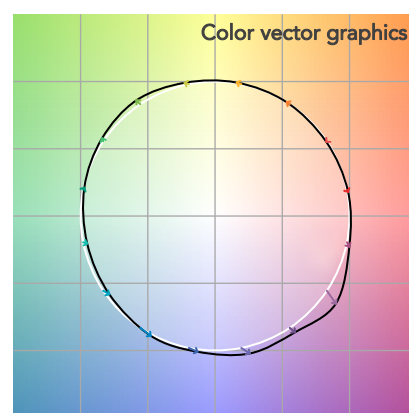
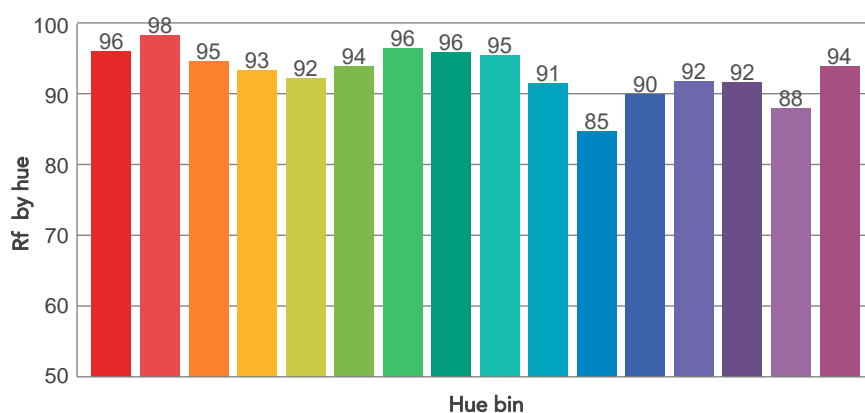
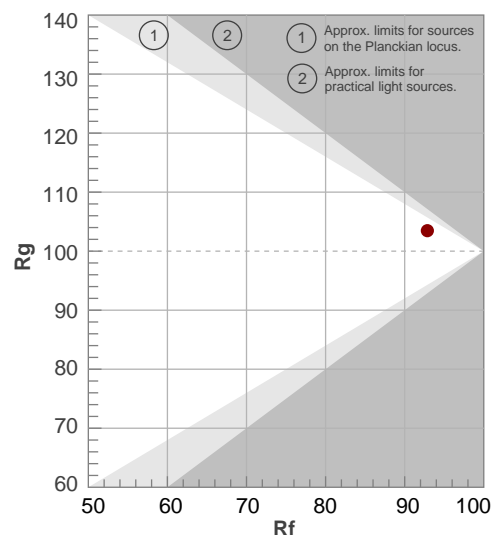
Rf 92,9

Fidelity index Rf

Rg 103,5

Gammut index

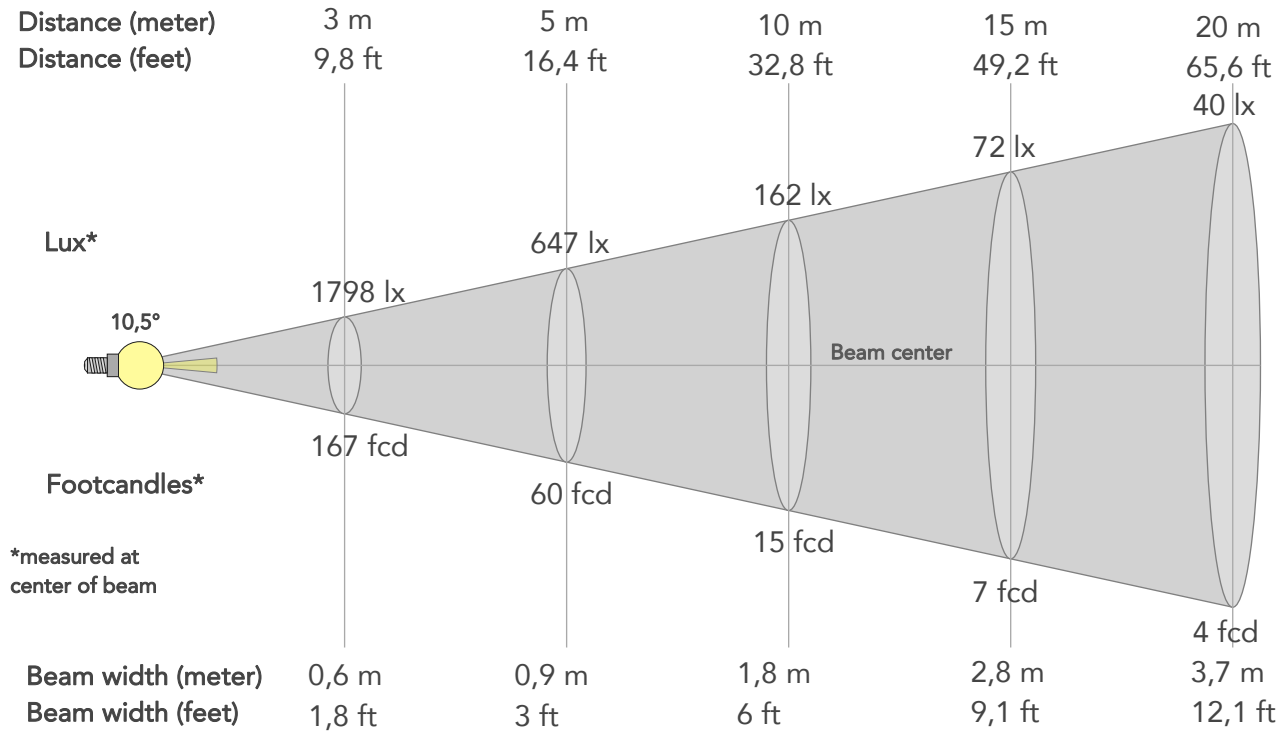
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-2%
2	98	-1%	0%
3	95	0%	3%
4	93	0%	4%
5	92	2%	3%
6	94	4%	1%
7	96	2%	-1%
8	96	-1%	-2%
9	95	-3%	1%
10	91	-2%	5%
11	85	1%	10%
12	90	2%	7%
13	92	5%	5%
14	92	5%	1%
15	88	11%	-4%
16	94	2%	-3%



BEAM DETAILS



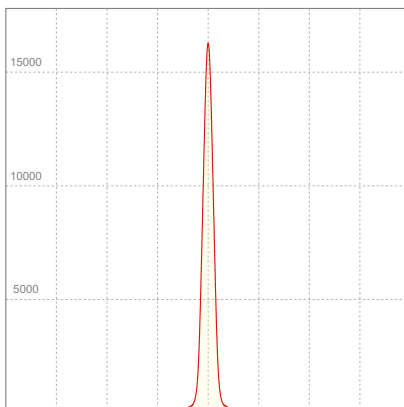
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,5°	18,6°	26,7°	97,7%	95,1%



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	16185lx	4046lx	1798lx	1012lx	647lx	288lx	162lx	72lx	40lx	26lx	18lx	10lx	6lx
Footcand.	1504fcd	376fcd	167fcd	94fcd	60fcd	27fcd	15fcd	7fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,2m	0,4m	0,6m	0,7m	0,9m	1,4m	1,8m	2,8m	3,7m	4,6m	5,5m	7,4m	9,2m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	6ft	9,1ft	12,1ft	15,1ft	18,1ft	24,1ft	30,2ft

LINEAR DISTRIBUTION DIAGRAM

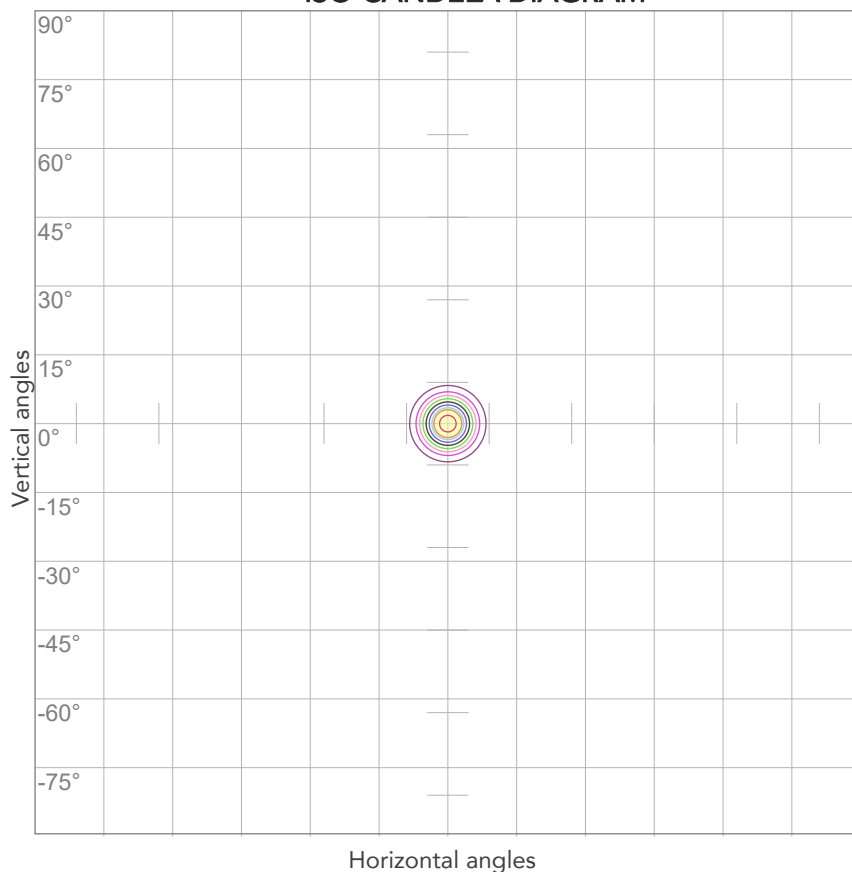


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,088A	15,7W	0,79	51lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



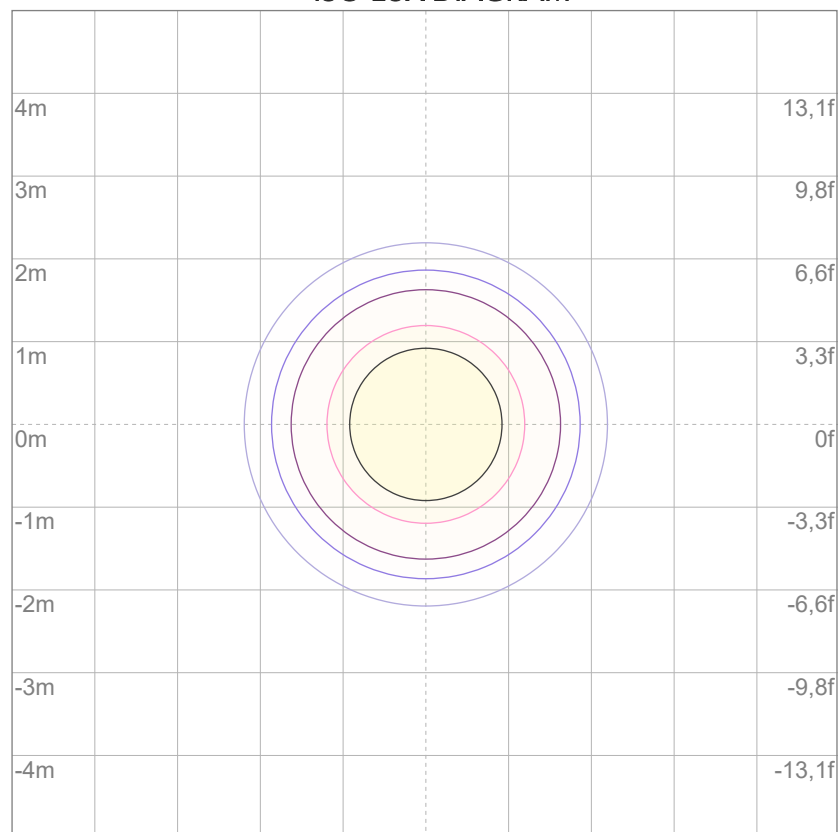
10%	1618 cd
20%	3237 cd
30%	4855 cd
40%	6474 cd
50%	8092 cd
60%	9711 cd
70%	11329 cd
80%	12948 cd

Conditions:

Number of c-planes: 2

Candela at center: 16185 cd

ISO LUX DIAGRAM



3%	4,86 lx
5%	8,09 lx
10%	16,2 lx
30%	48,6 lx
50%	80,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 162 lx

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



Total lumen output:

740 lm

Peak candela output:

3064 cd

Light quality:

CRI: 93,8

Color temperature:

5609 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

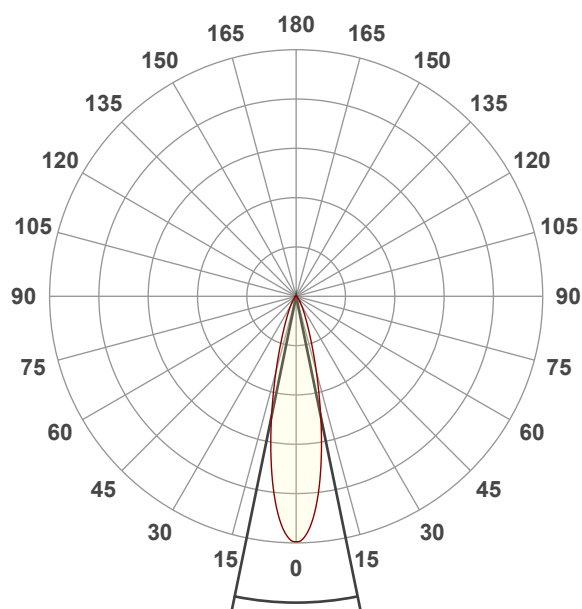
5600K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 12:03:33

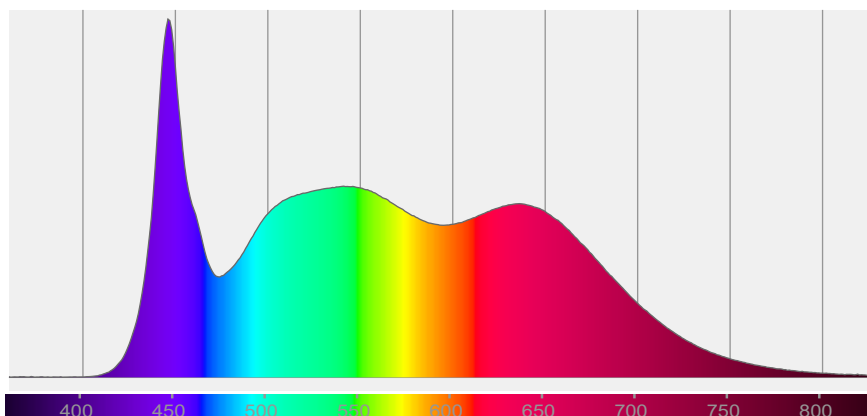


Beam angle 50%: 23,2°

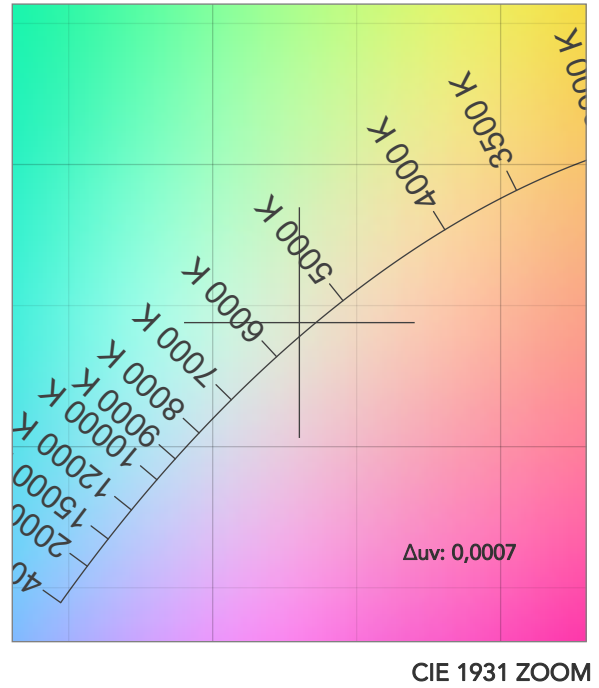
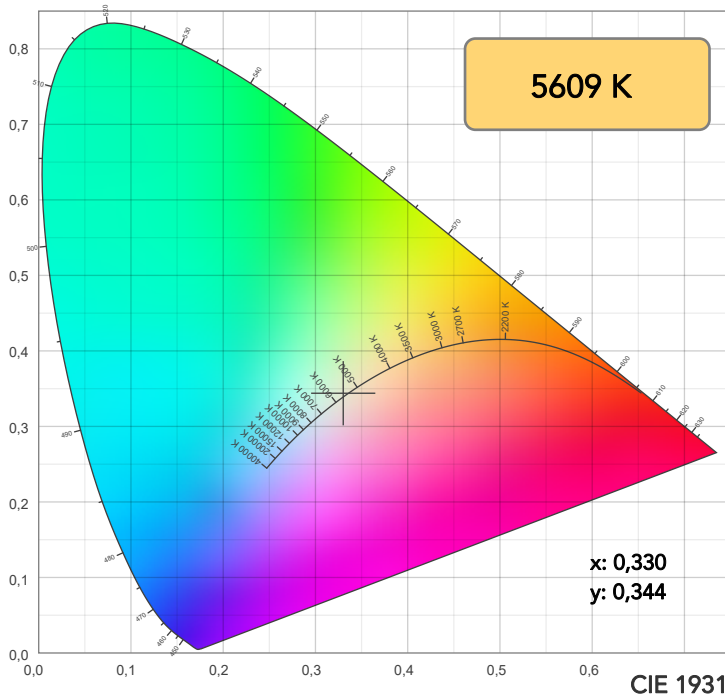
Field angle 10%: 46,5°

Cut off angle 2.5%: 71,9°

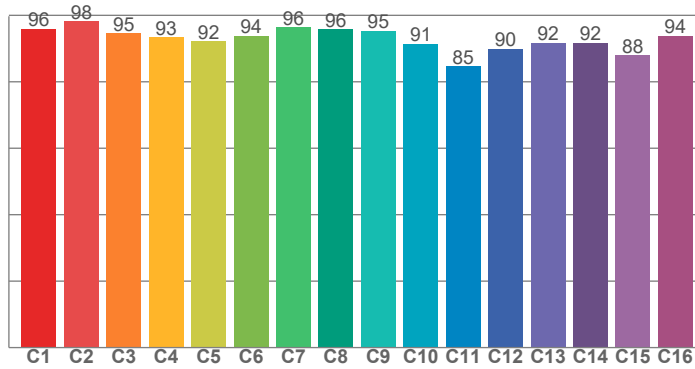
Spectra



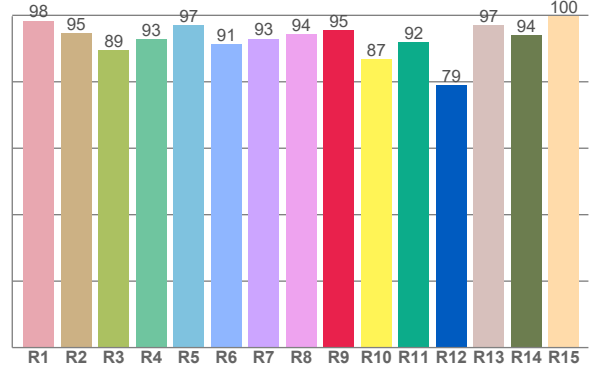
COLOR DETAILS



TM30: 92,9



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
98,3	94,6	89,4	92,8	97,0	91,3	93,0	94,3	95,4	86,7	92,0	78,9	97,0	94,0	99,7

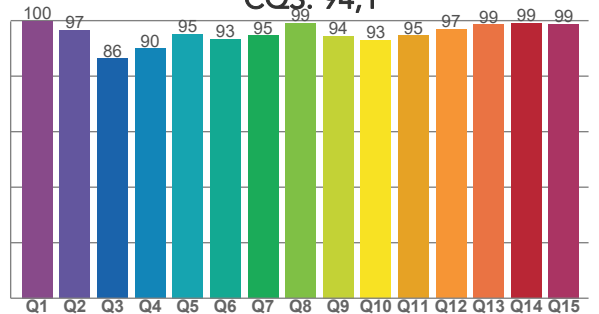
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,0	98,2	94,6	93,4	92,1	93,9	96,4	95,8	95,3	91,4	84,7	89,9	91,7	91,7	87,9	93,8

CQS Q values

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

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
5609 K	93,8	95,4	92,9	103,4	94,1	98	0,330	0,344	0,0007

TM30 DETAILS

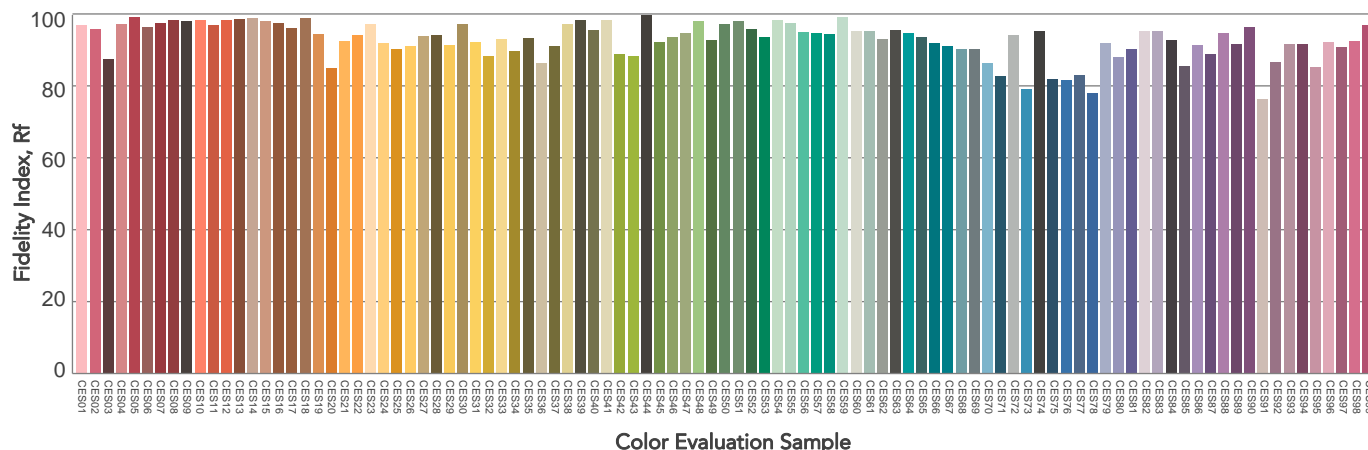
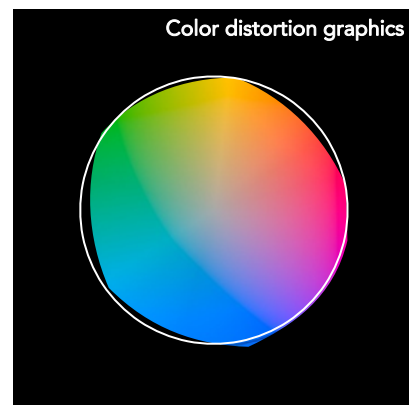
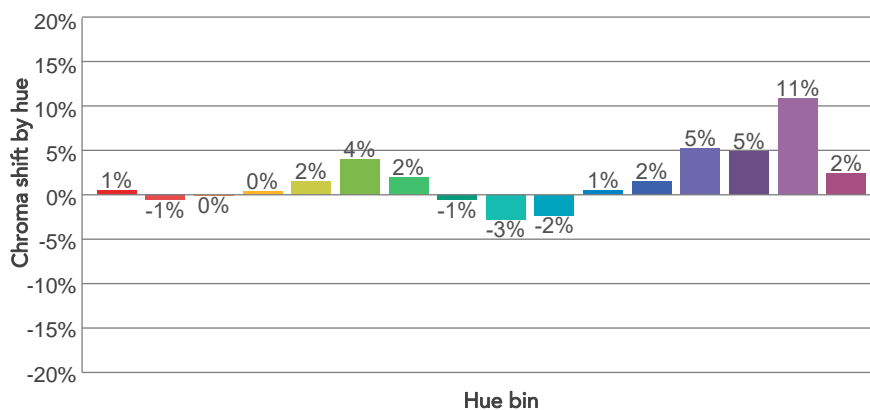
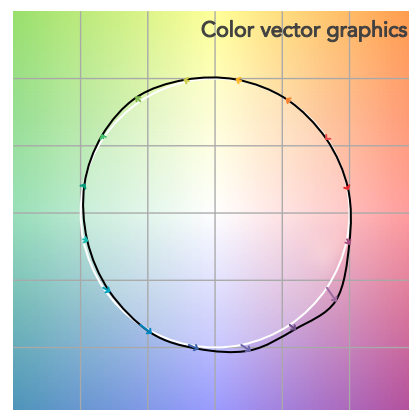
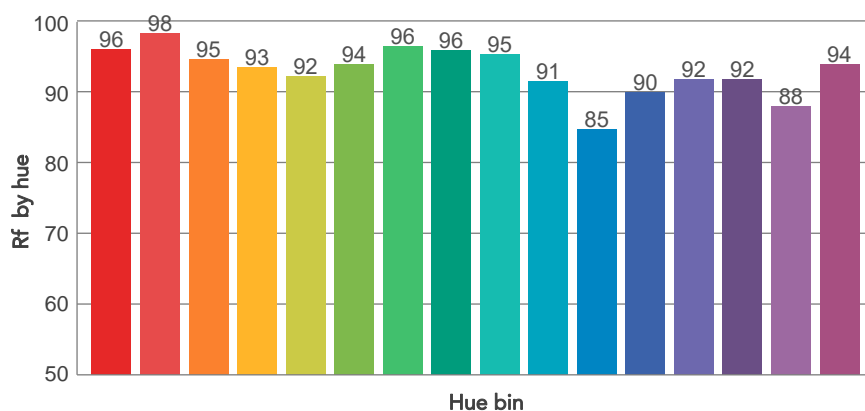
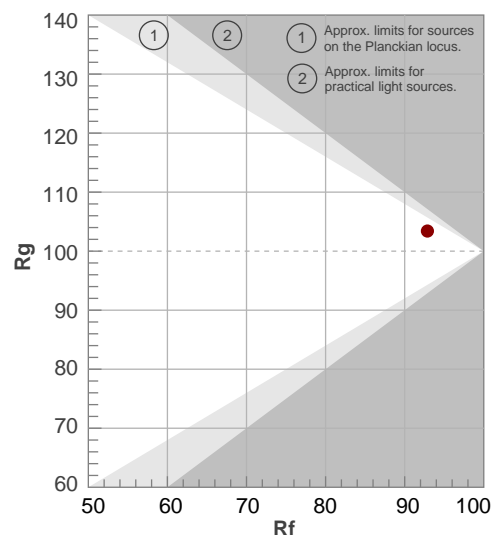
Rf 92,9

Fidelity index Rf

Rg 103,4

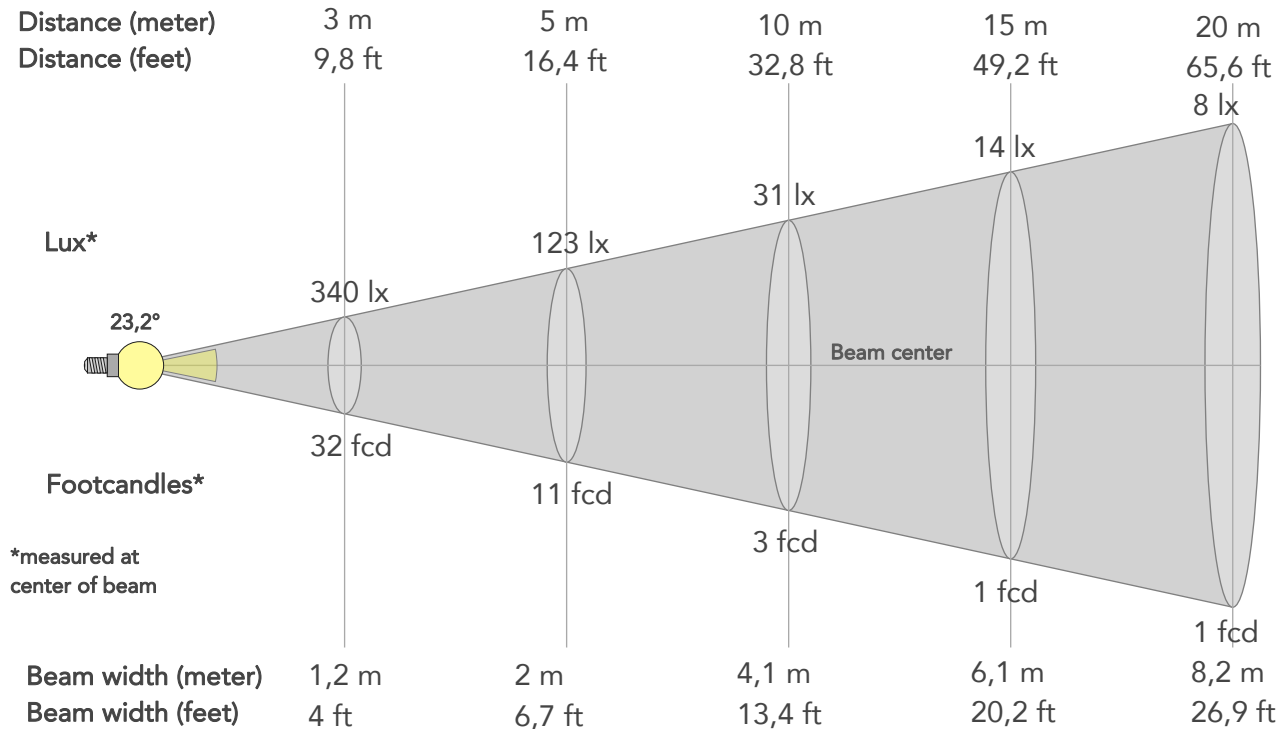
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-2%
2	98	-1%	0%
3	95	0%	3%
4	93	0%	4%
5	92	2%	3%
6	94	4%	1%
7	96	2%	-1%
8	96	-1%	-2%
9	95	-3%	1%
10	91	-2%	5%
11	85	1%	10%
12	90	2%	7%
13	92	5%	5%
14	92	5%	1%
15	88	11%	-4%
16	94	2%	-3%



BEAM DETAILS

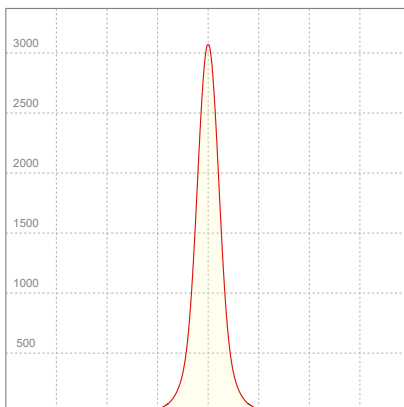
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,2°	46,5°	71,9°	97,1%	93,3%



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	3064lx	766lx	340lx	192lx	123lx	54lx	31lx	14lx	8lx	5lx	3lx	2lx	1lx
Footcand.	285fcd	71fcd	32fcd	18fcd	11fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3,1m	4,1m	6,1m	8,2m	10,2m	12,3m	16,4m	20,5m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,7ft	10,1ft	13,4ft	20,2ft	26,9ft	33,6ft	40,3ft	53,8ft	67,2ft

LINEAR DISTRIBUTION DIAGRAM

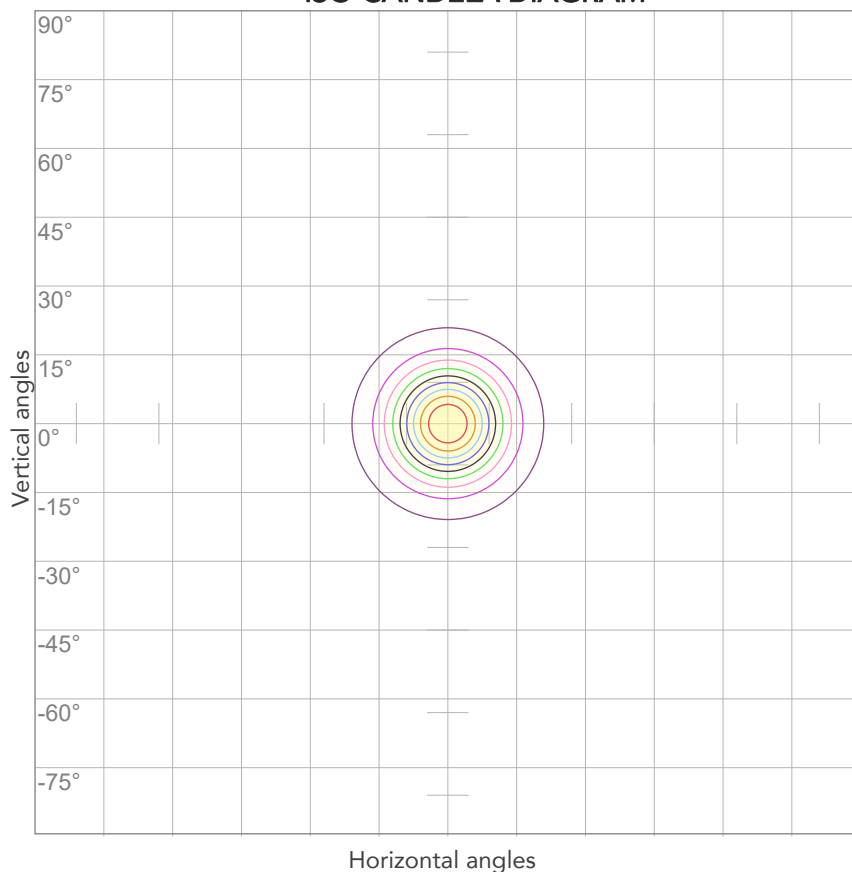


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,089A	15,7W	0,78	47lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



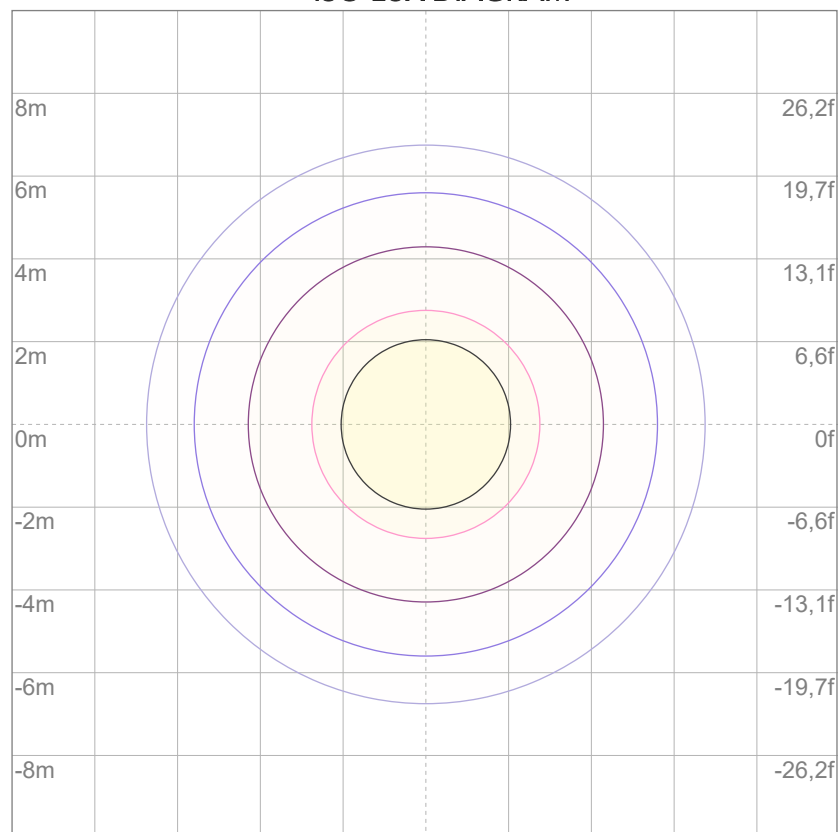
10%	306 cd
20%	613 cd
30%	919 cd
40%	1226 cd
50%	1532 cd
60%	1839 cd
70%	2145 cd
80%	2452 cd

Conditions:

Number of c-planes: 2

Candela at center: 3064 cd

ISO LUX DIAGRAM



3%	0,919 lx
5%	1,53 lx
10%	3,06 lx
30%	9,19 lx
50%	15,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 30,6 lx

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



Total lumen output:

694 lm

Peak candela output:

886 cd

Light quality:

CRI: 94,2

Color temperature:

5633 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

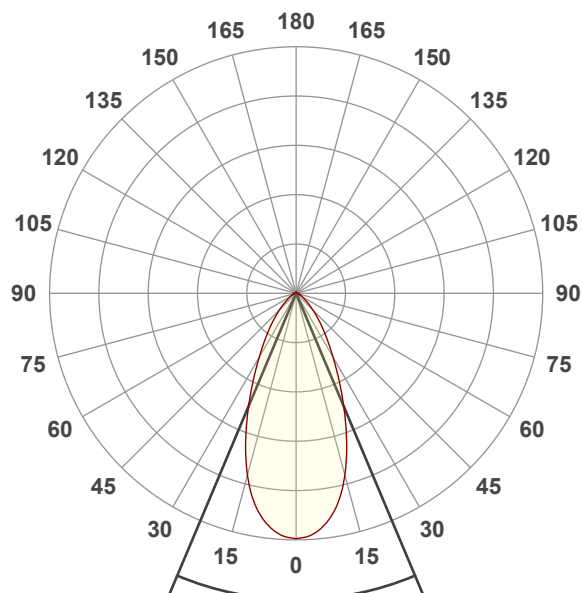
5600K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 12:50:01

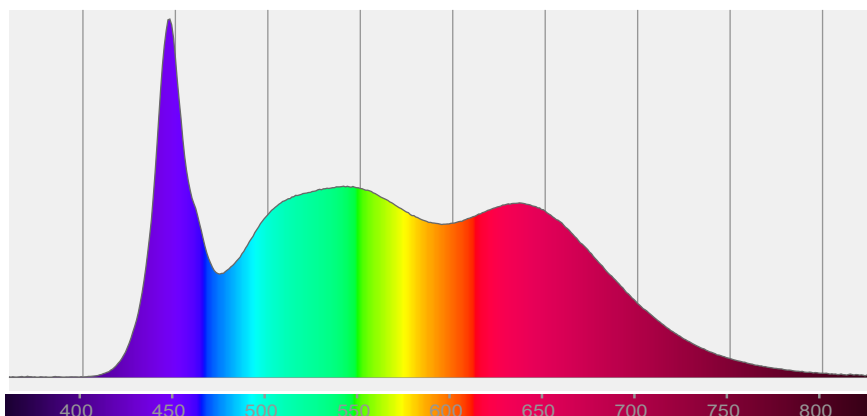


Beam angle 50%: 45,7°

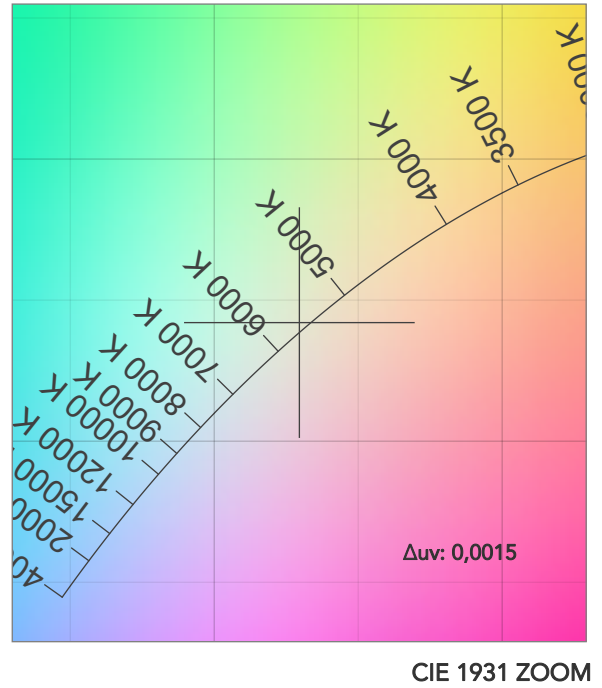
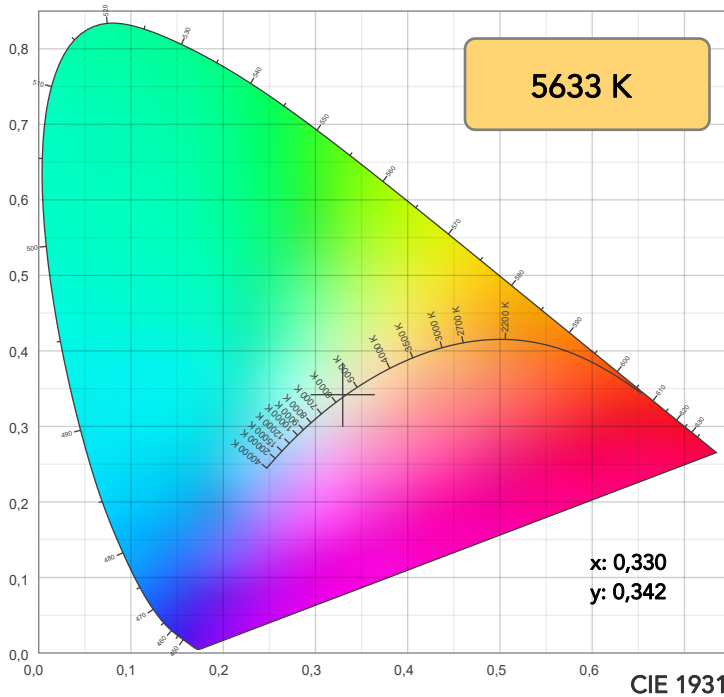
Field angle 10%: 89,3°

Cut off angle 2.5%: 124,9°

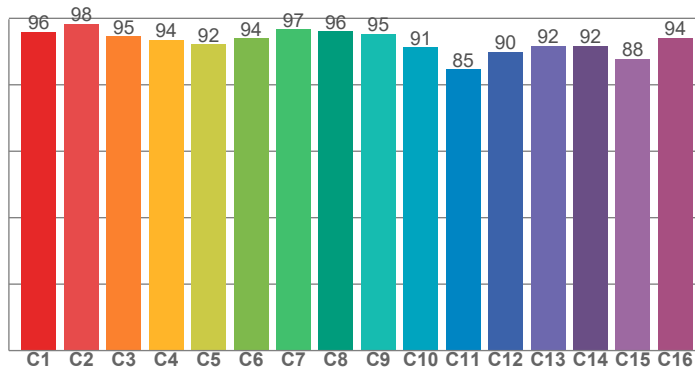
Spectra



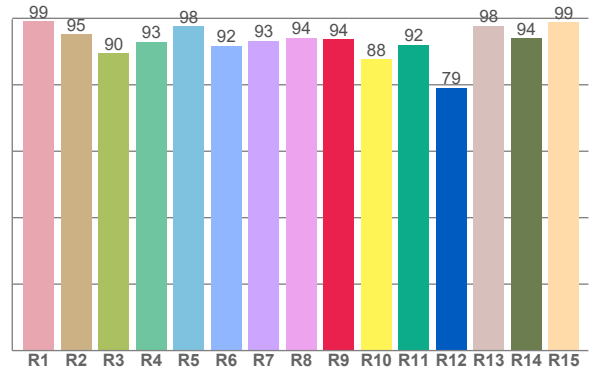
COLOR DETAILS



TM30: 92,9



CRI: 94,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,0	95,1	89,6	92,9	97,7	91,7	93,3	94,2	93,7	87,6	92,0	79,1	97,7	94,0	98,8

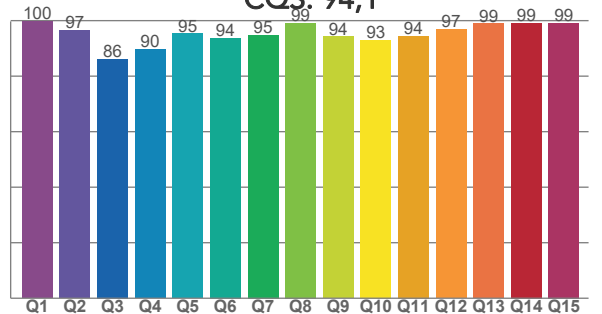
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 94,1



COLOR PARAMETERS

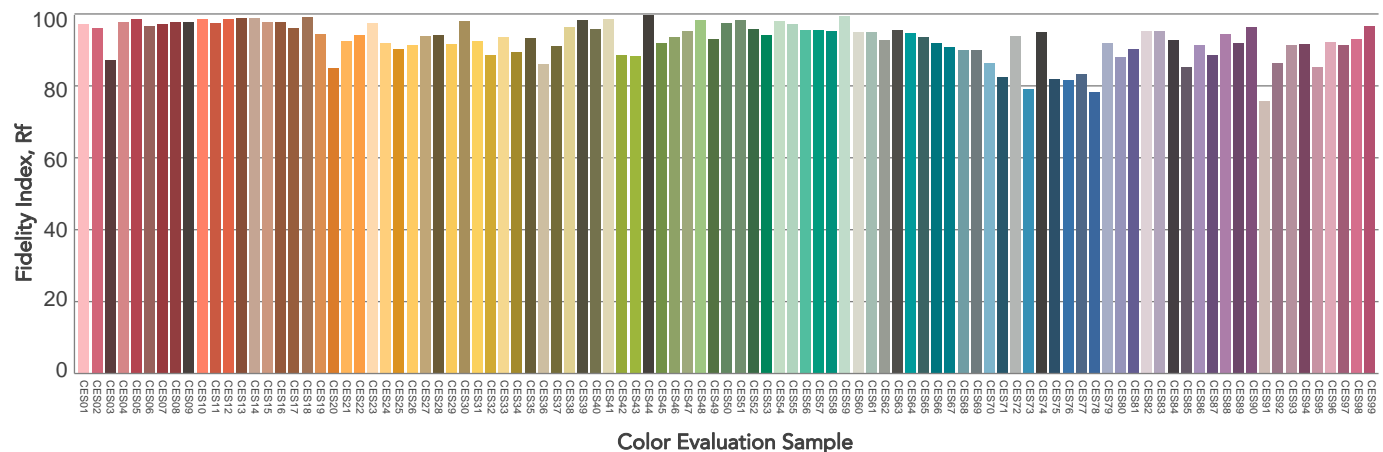
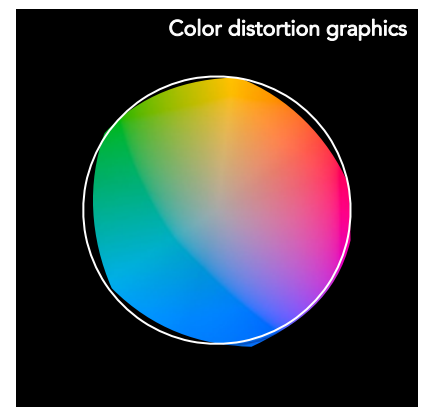
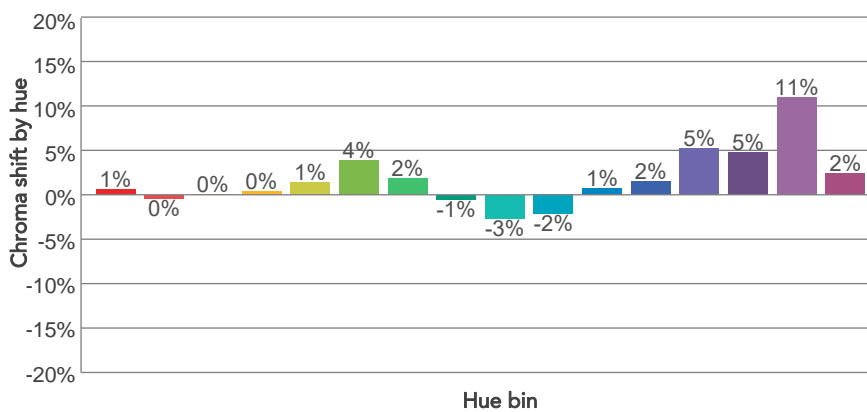
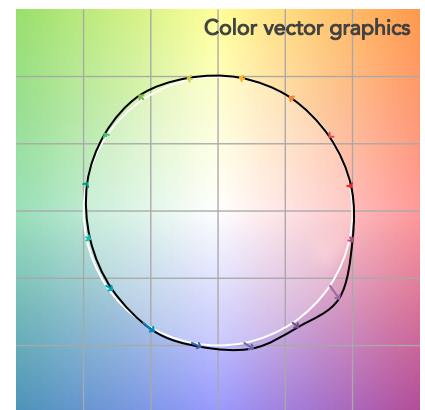
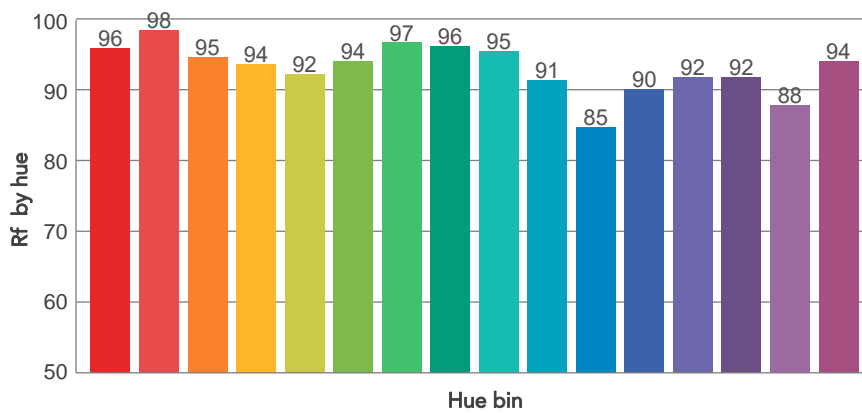
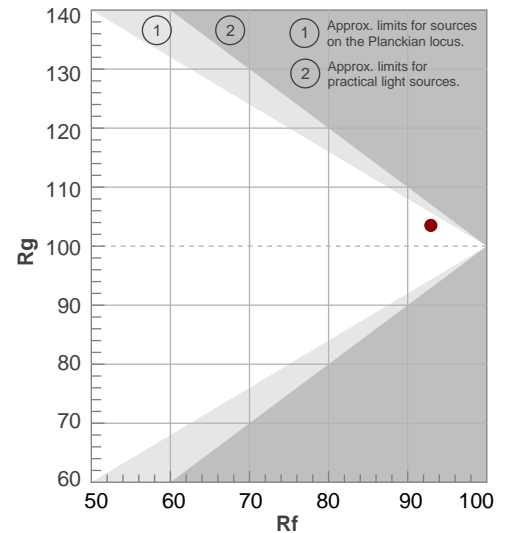
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5633 K	94,2	93,7	92,9	103,5	94,1	98	0,330	0,342	0,0015

TM30 DETAILS

Rf 92,9
Fidelity index Rf

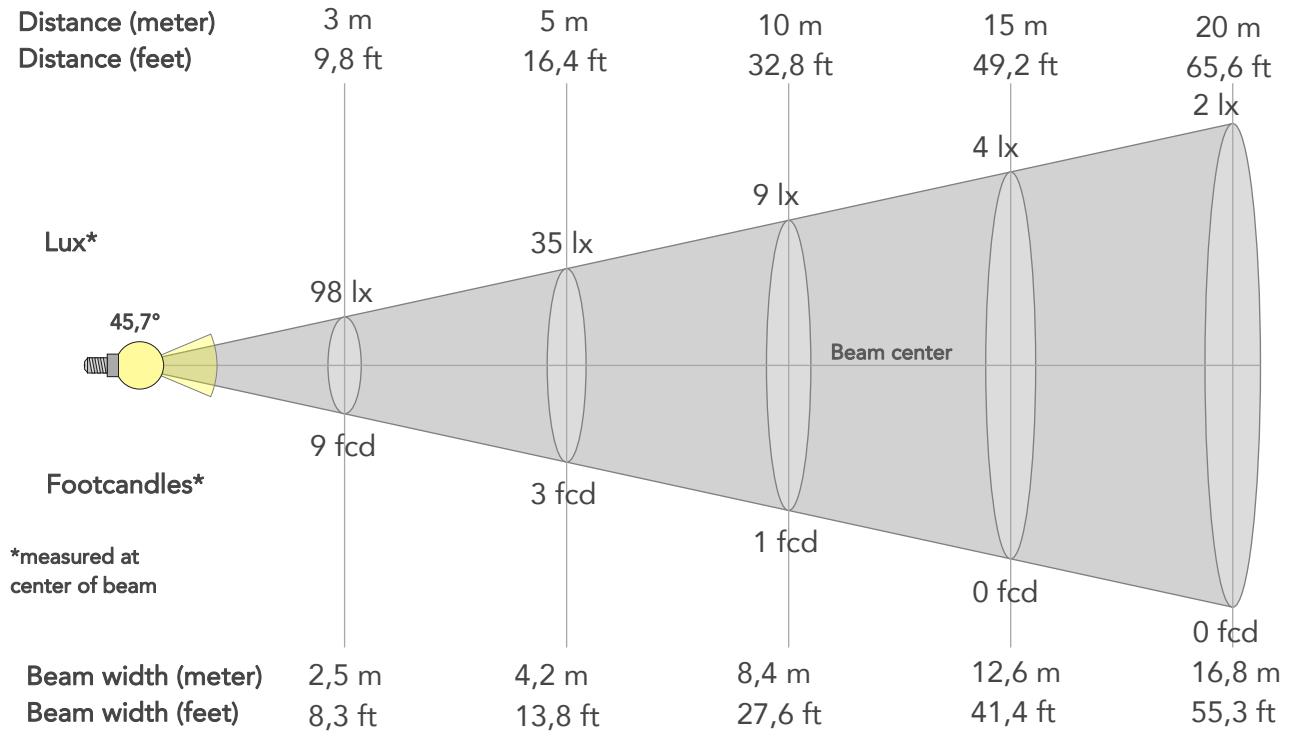
Rg 103,5
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-2%
2	98	0%	0%
3	95	0%	3%
4	94	0%	3%
5	92	1%	3%
6	94	4%	1%
7	97	2%	-1%
8	96	-1%	-1%
9	95	-3%	2%
10	91	-2%	5%
11	85	1%	10%
12	90	2%	7%
13	92	5%	5%
14	92	5%	2%
15	88	11%	-4%
16	94	2%	-3%



BEAM DETAILS

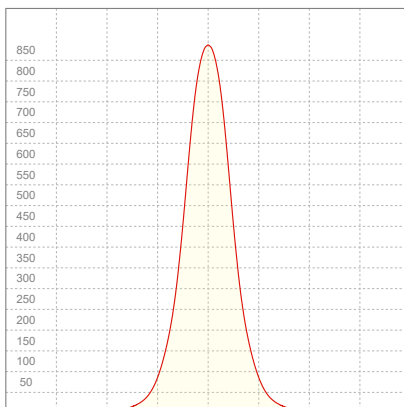
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,7°	89,3°	124,9°	95,5%	86,4%



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	886lx	222lx	98lx	55lx	35lx	16lx	9lx	4lx	2lx	1lx	1lx	1lx	0lx
Footcand.	82fcd	21fcd	9fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,4m	4,2m	6,3m	8,4m	12,6m	16,8m	21,1m	25,3m	33,7m	42,1m
Beam wid.	2,8ft	5,6ft	8,3ft	11ft	13,8ft	20,7ft	27,6ft	41,4ft	55,3ft	69,1ft	82,9ft	110,5ft	138,1ft

LINEAR DISTRIBUTION DIAGRAM

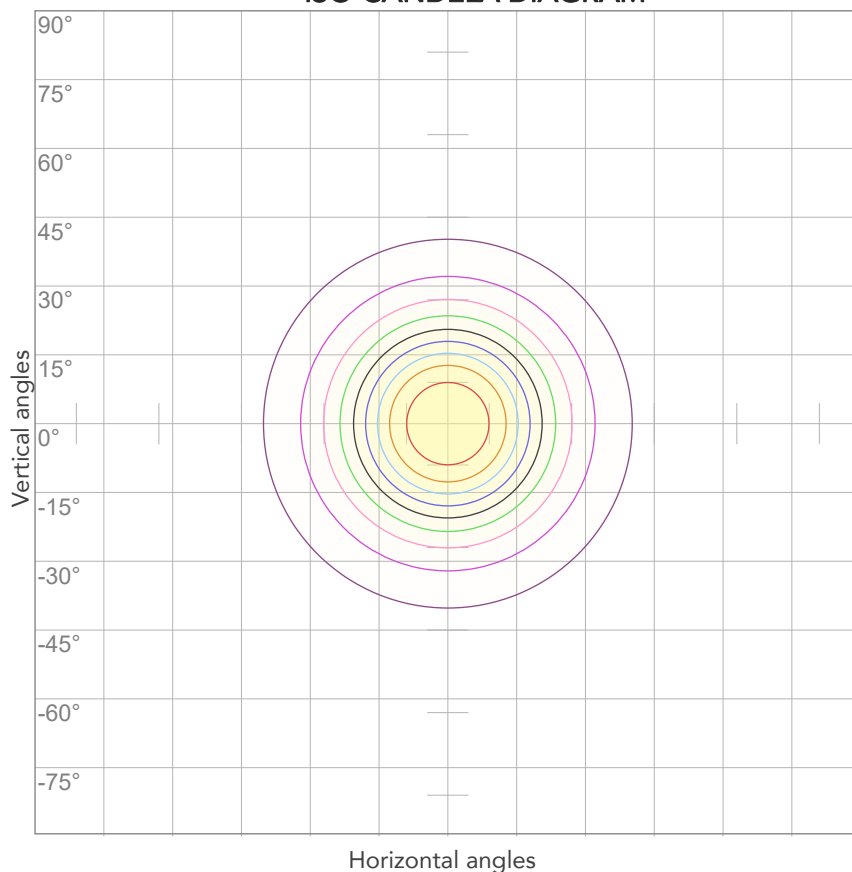


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,088A	15,5W	0,77	45lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



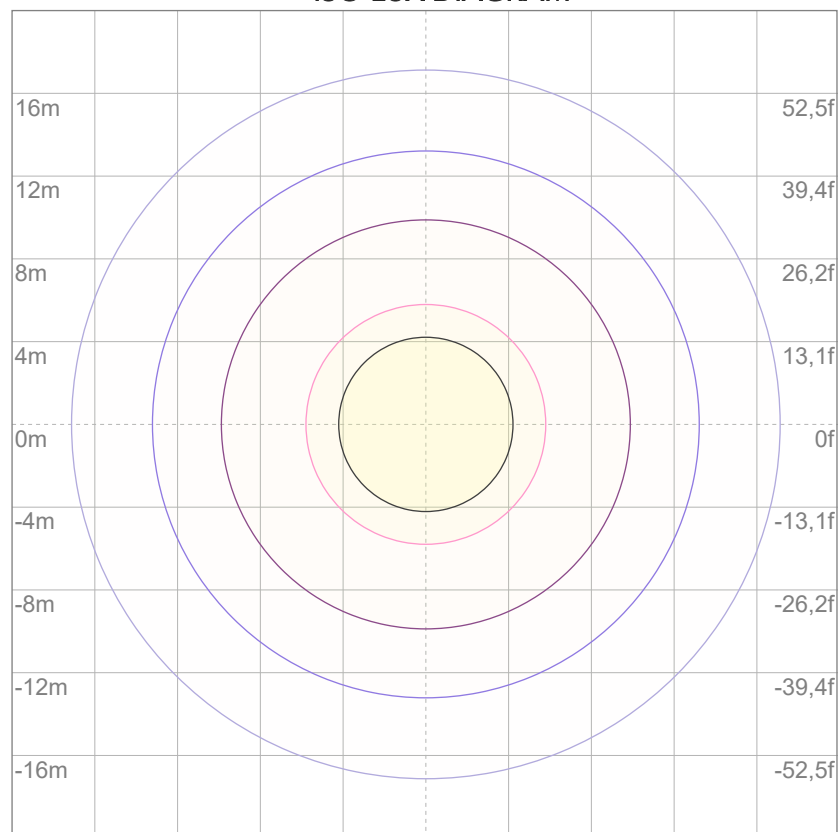
10%	89 cd
20%	177 cd
30%	266 cd
40%	355 cd
50%	443 cd
60%	532 cd
70%	620 cd
80%	709 cd

Conditions:

Number of c-planes: 2

Candela at center: 886 cd

ISO LUX DIAGRAM



3%	0,266 lx
5%	0,443 lx
10%	0,886 lx
30%	2,66 lx
50%	4,43 lx

Conditions:

Number of c-planes: 2

Lux at center: 8,86 lx

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



Total lumen output:

720 lm

Peak candela output:

637 cd

Light quality:

CRI: 94,3

Color temperature:

5636 K

PRODUCT NAME:

ARCSPOTXS VW

MEASUREMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

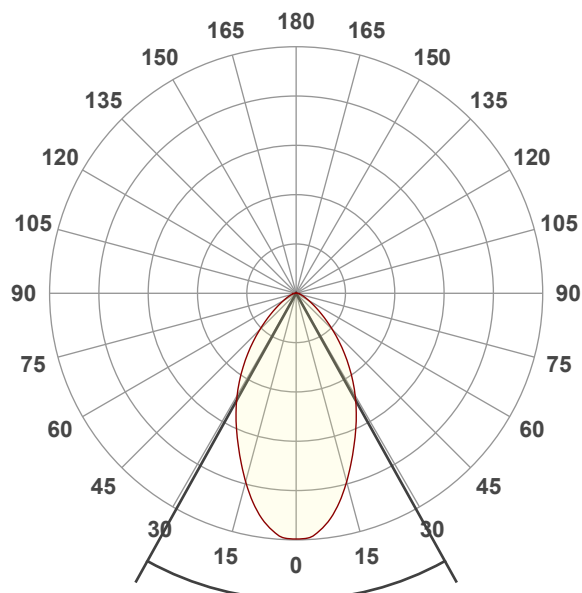
5600K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 13:06:05

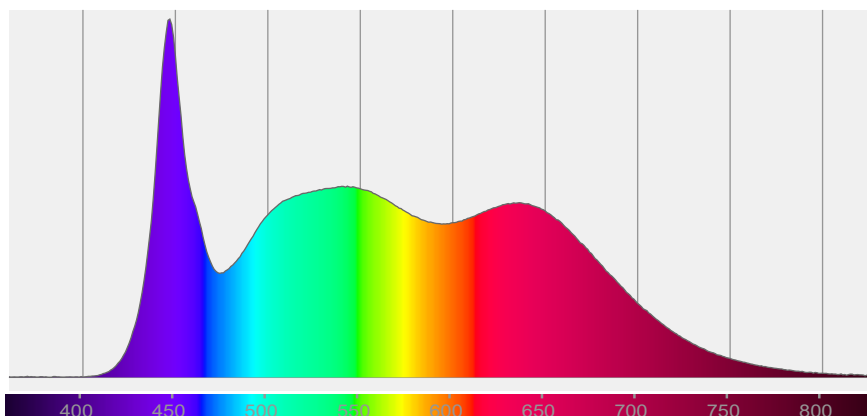


Beam angle 50%: 58,1°

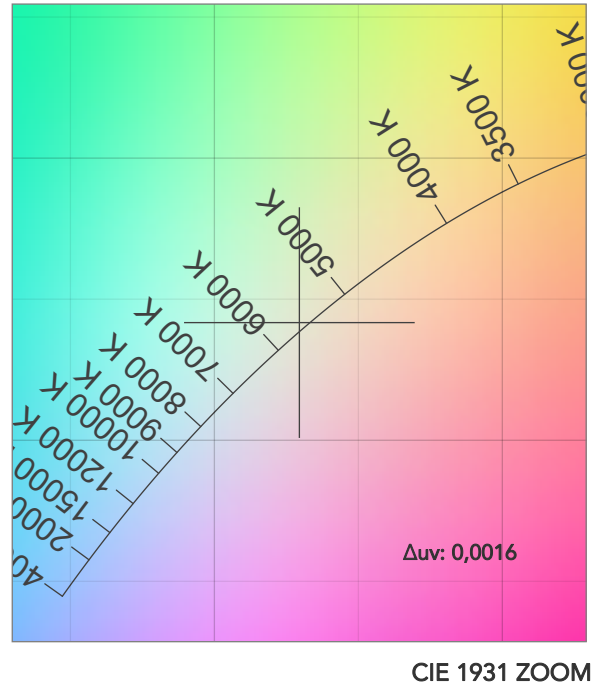
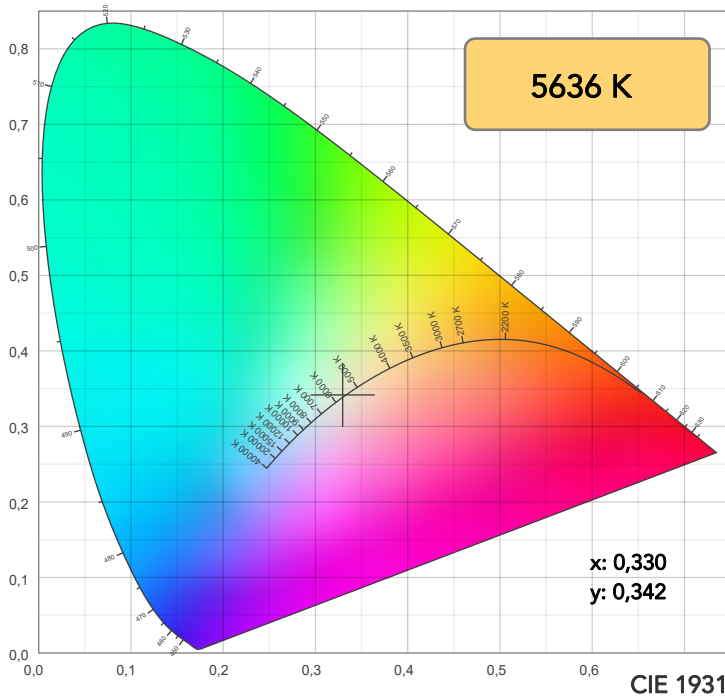
Field angle 10%: 108,2°

Cut off angle 2.5%: 142,2°

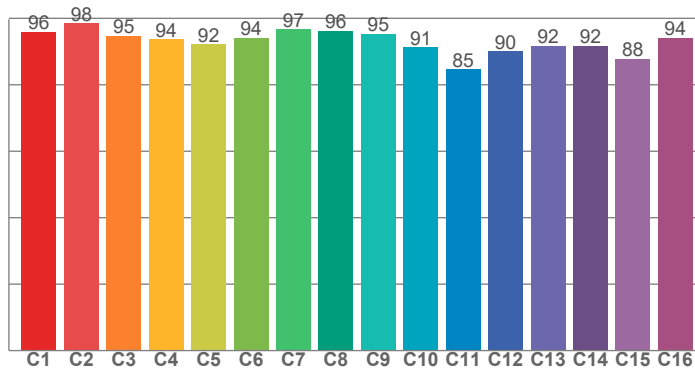
Spectra



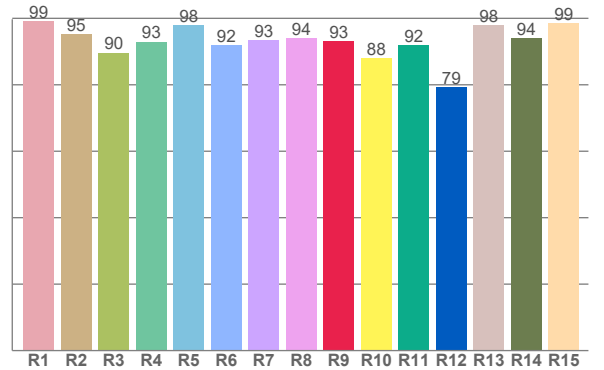
COLOR DETAILS



TM30: 93,0



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
99,2	95,3	89,6	93,0	97,9	91,9	93,3	94,1	93,1	88,0	92,0	79,2	98,0	94,1	98,5

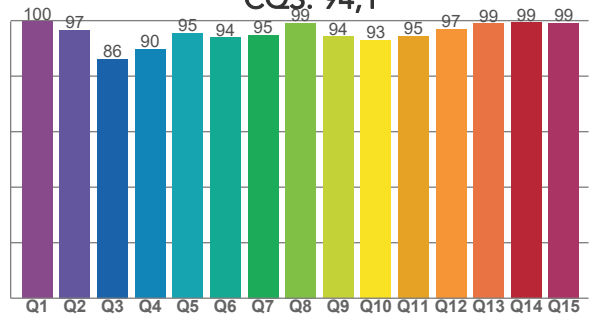
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 94,1



COLOR PARAMETERS

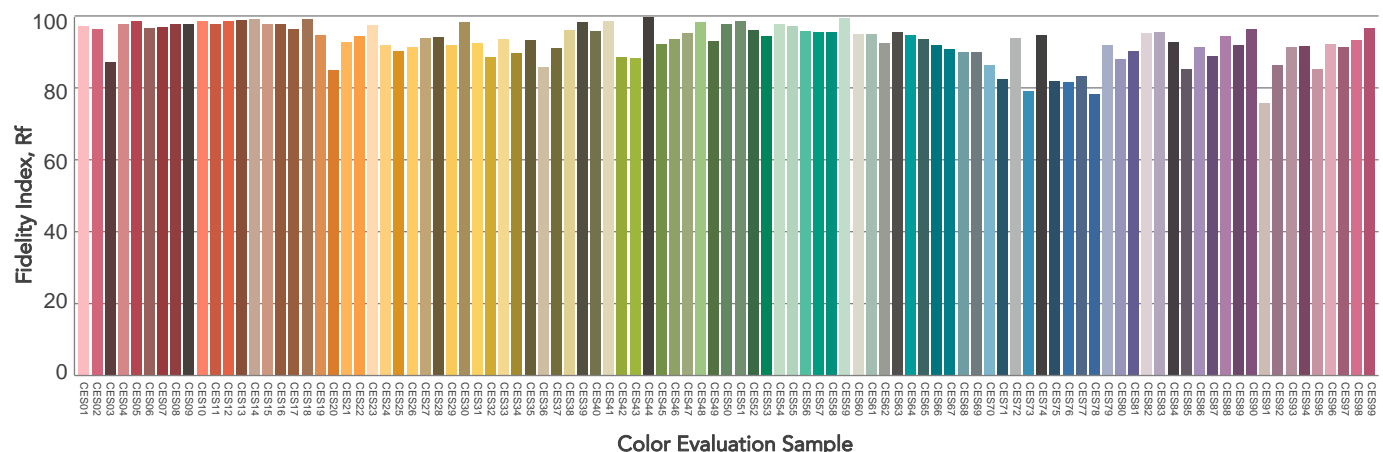
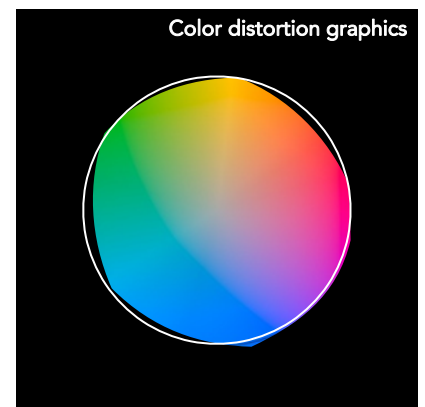
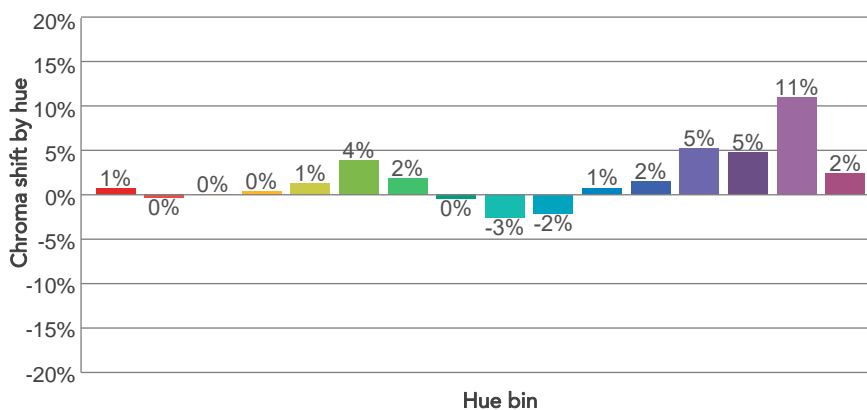
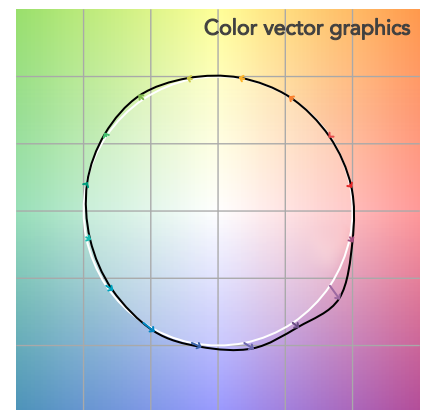
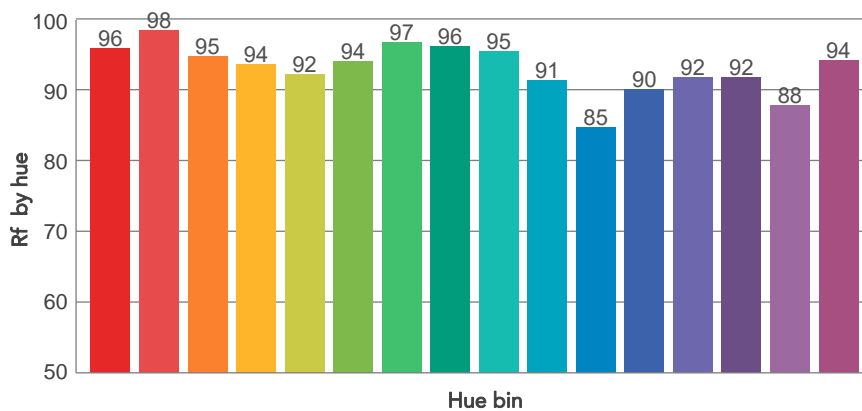
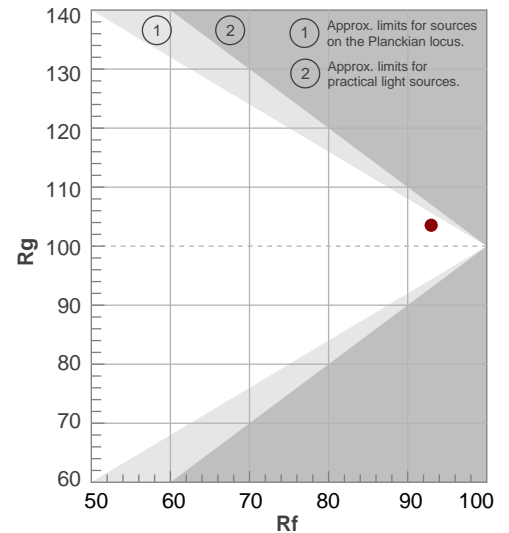
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5636 K	94,3	93,1	93,0	103,5	94,1	98	0,330	0,342	0,0016

TM30 DETAILS

Rf 93,0
Fidelity index Rf

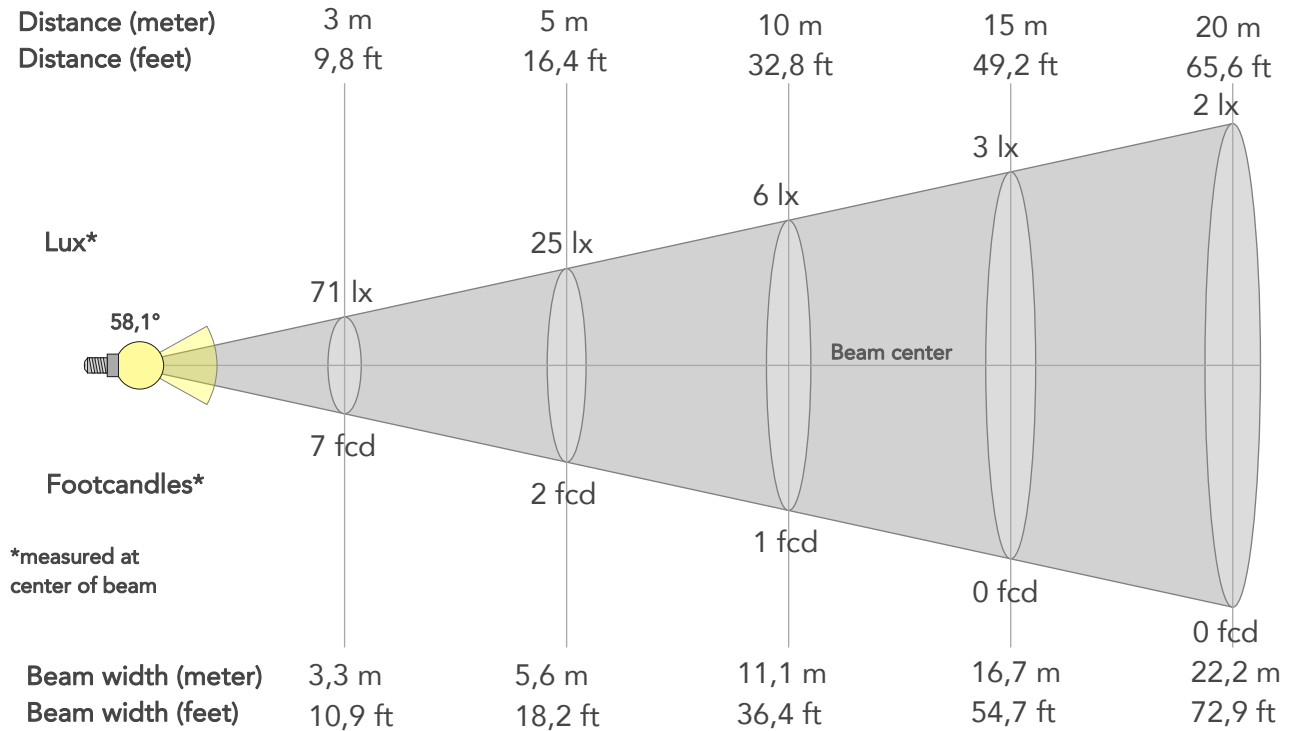
Rg 103,5
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-2%
2	98	0%	0%
3	95	0%	3%
4	94	0%	3%
5	92	1%	3%
6	94	4%	1%
7	97	2%	-1%
8	96	0%	-1%
9	95	-3%	2%
10	91	-2%	5%
11	85	1%	10%
12	90	2%	7%
13	92	5%	5%
14	92	5%	2%
15	88	11%	-4%
16	94	2%	-3%



BEAM DETAILS

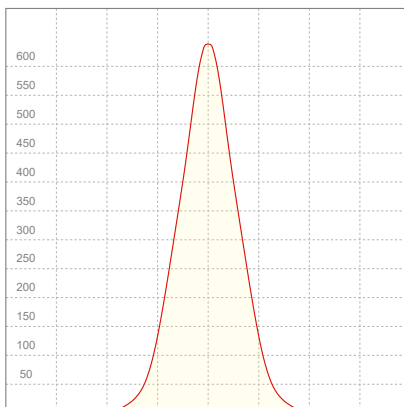
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,1°	108,2°	142,2°	94,2%	80,5%



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	637lx	159lx	71lx	40lx	25lx	11lx	6lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	59fcd	15fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	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	33,3m	44,4m	55,6m
Beam wid.	3,7ft	7,3ft	10,9ft	14,6ft	18,2ft	27,3ft	36,4ft	54,7ft	72,9ft	91,1ft	109,3ft	145,8ft	182,2ft

LINEAR DISTRIBUTION DIAGRAM

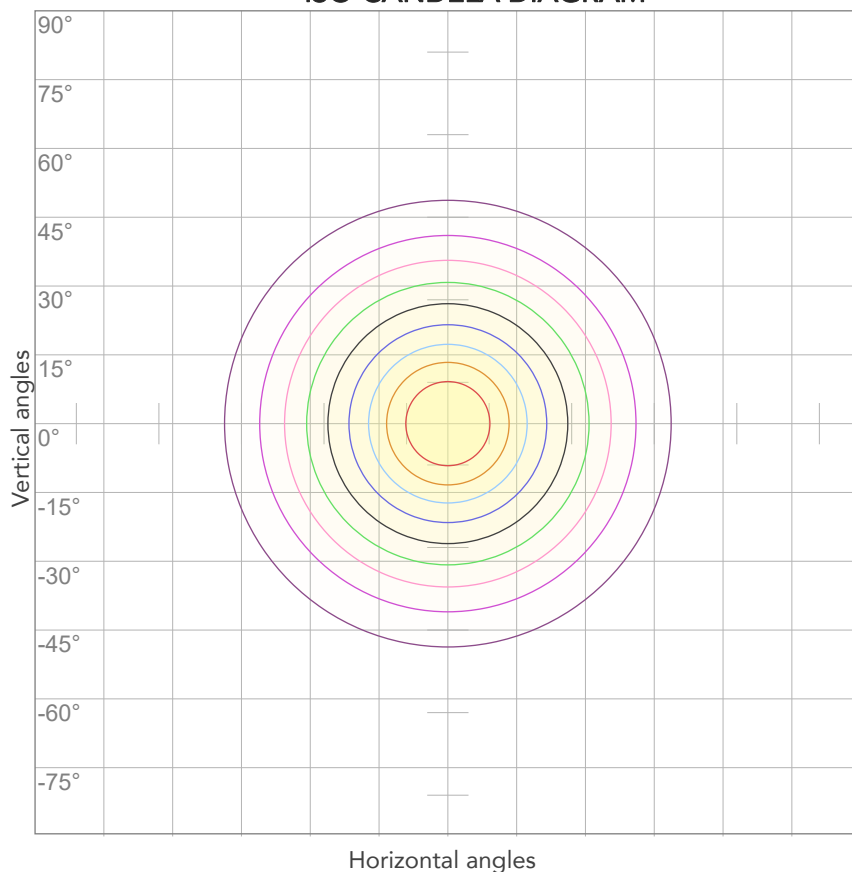


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,088A	15,5W	0,78	46lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



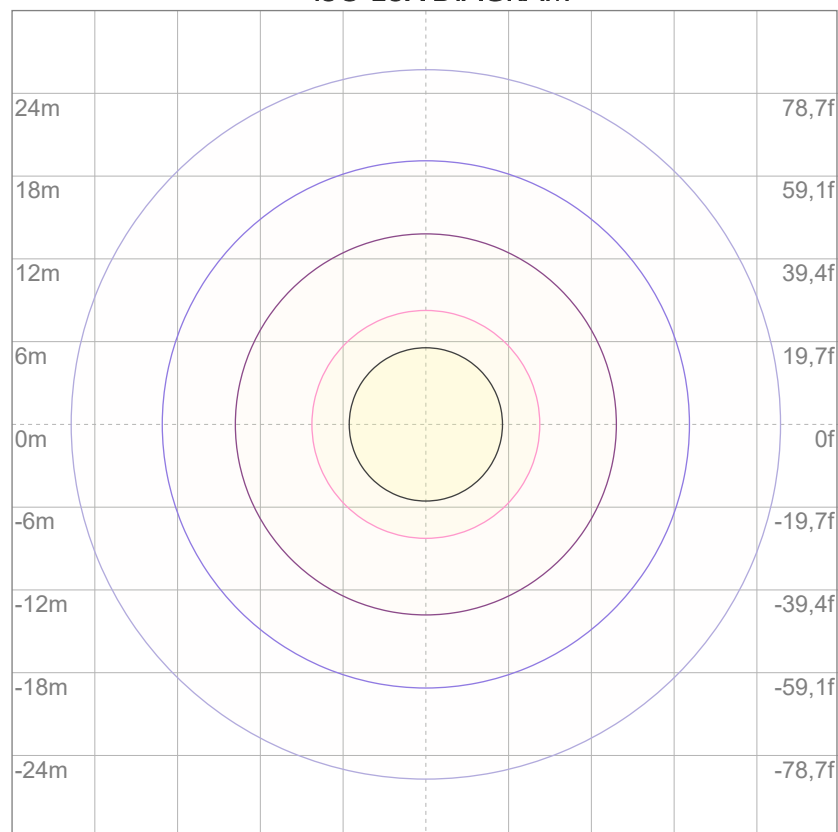
10%	64 cd
20%	127 cd
30%	191 cd
40%	255 cd
50%	318 cd
60%	382 cd
70%	446 cd
80%	509 cd

Conditions:

Number of c-planes: 2

Candela at center: 637 cd

ISO LUX DIAGRAM



3%	0,191 lx
5%	0,318 lx
10%	0,637 lx
30%	1,91 lx
50%	3,18 lx

Conditions:

Number of c-planes: 2

Lux at center: 6,37 lx

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



Total lumen output:

1091 lm

Peak candela output:

2269 cd

Light quality:

CRI: 94,3

Color temperature:

5591 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

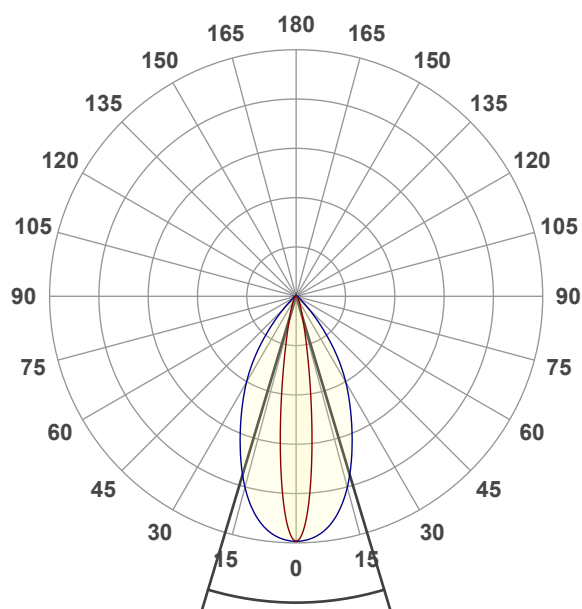
5600K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 13:19:07

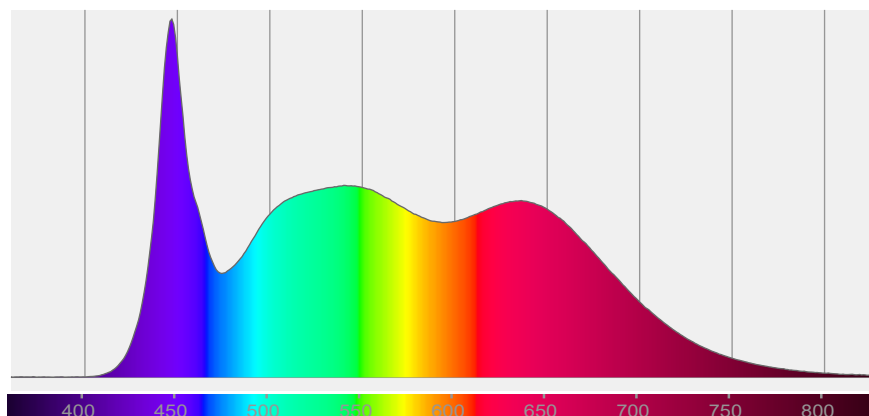


Beam angle 50%: 33,4°

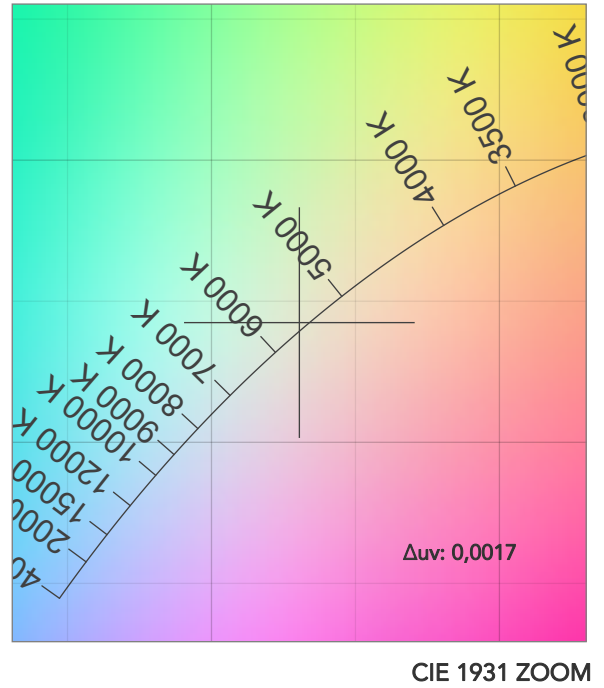
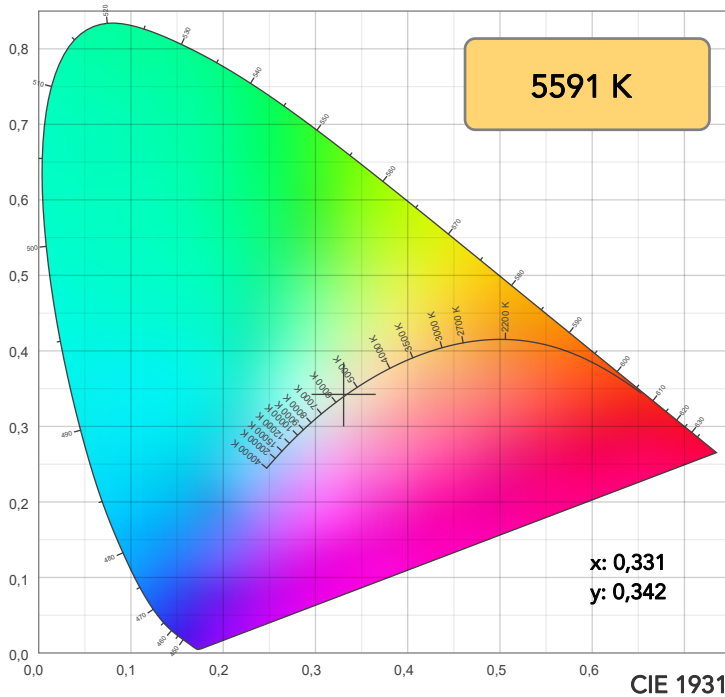
Field angle 10%: 59,4°

Cut off angle 2.5%: 82,4°

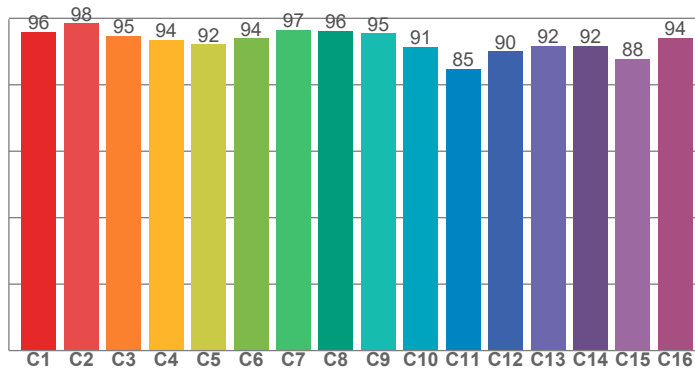
Spectra



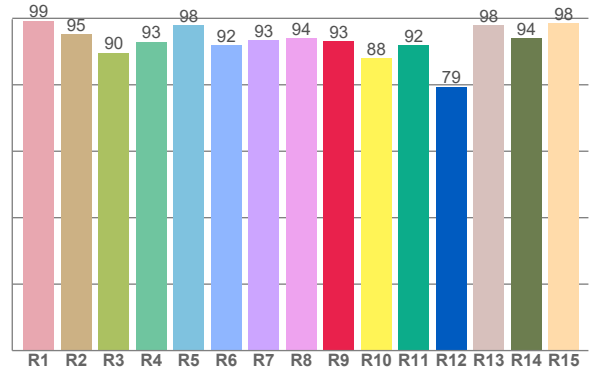
COLOR DETAILS



TM30: 93,0



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
99,3	95,3	89,6	92,9	97,9	91,9	93,3	94,1	93,1	88,0	92,0	79,4	98,0	94,1	98,5

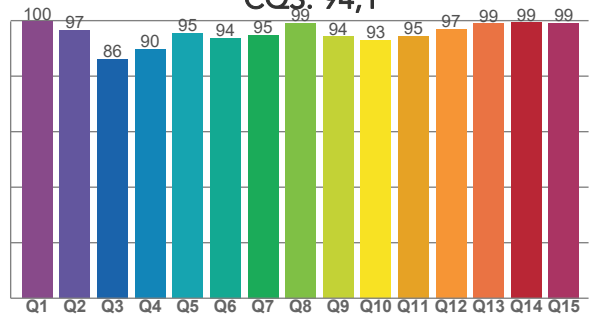
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,7	96,5	86,2	89,7	95,4	93,8	94,9	99,1	94,3	93,0	94,5	96,9	99,0	99,2	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
5591 K	94,3	93,1	93,0	103,6	94,1	98	0,331	0,342	0,0017

TM30 DETAILS

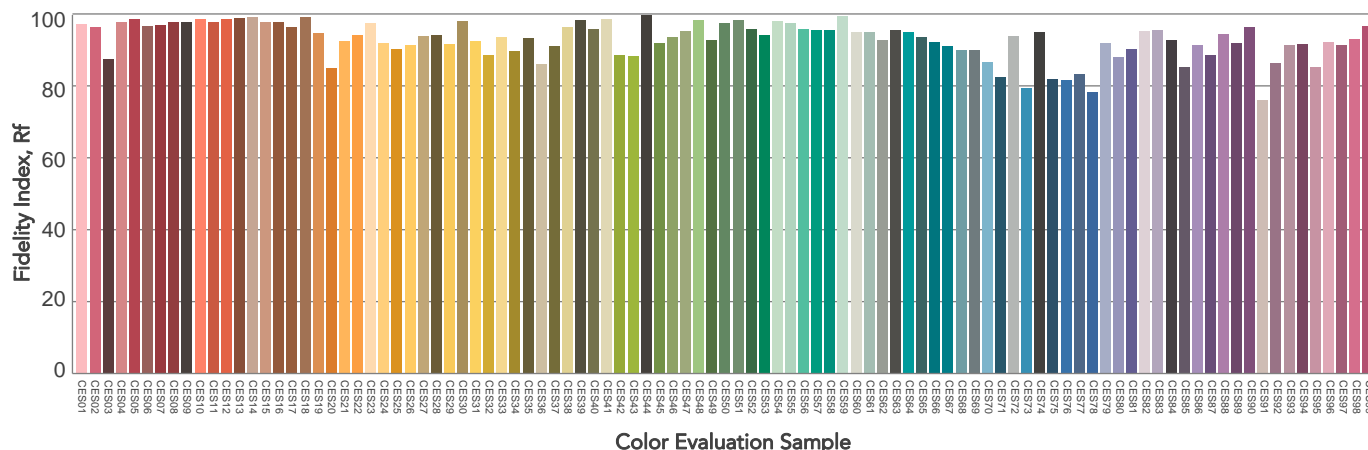
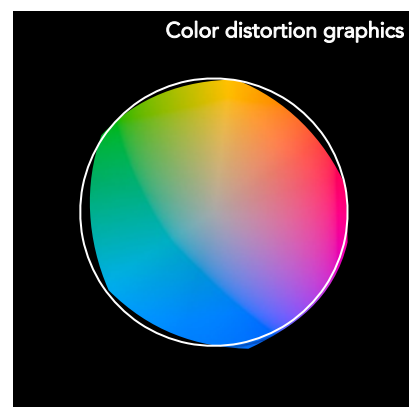
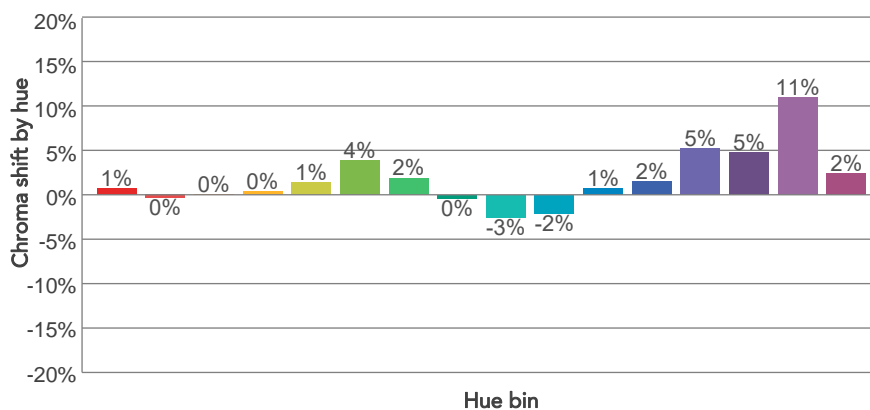
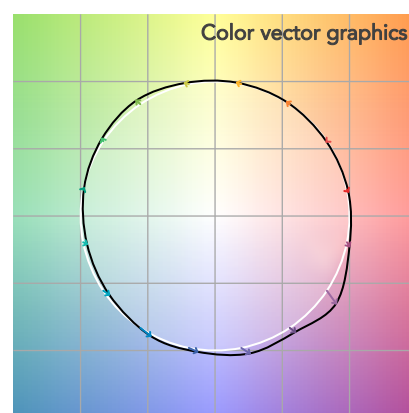
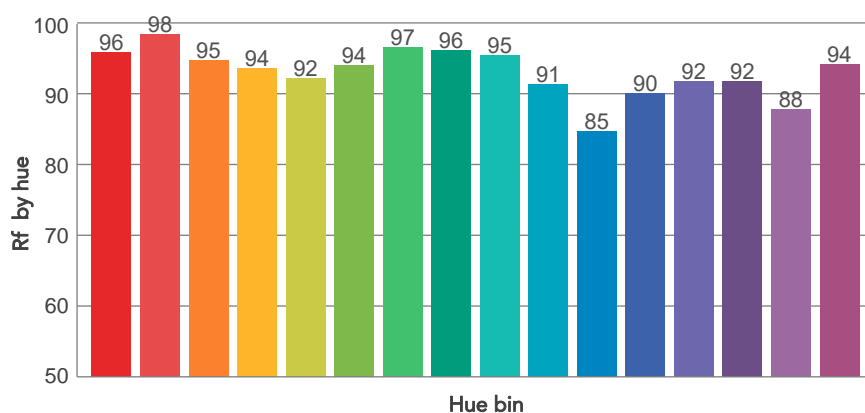
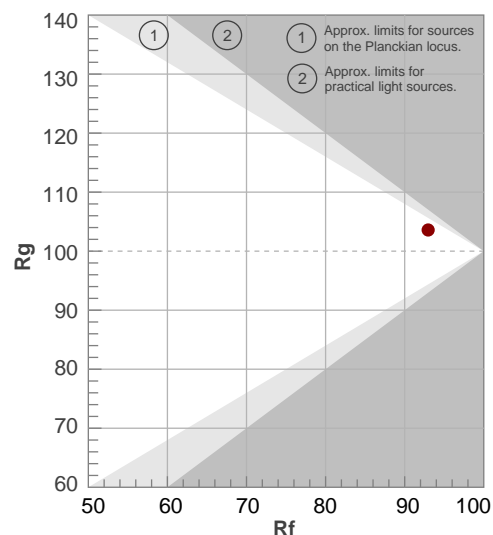
Rf 93,0

Fidelity index Rf

Rg 103,6

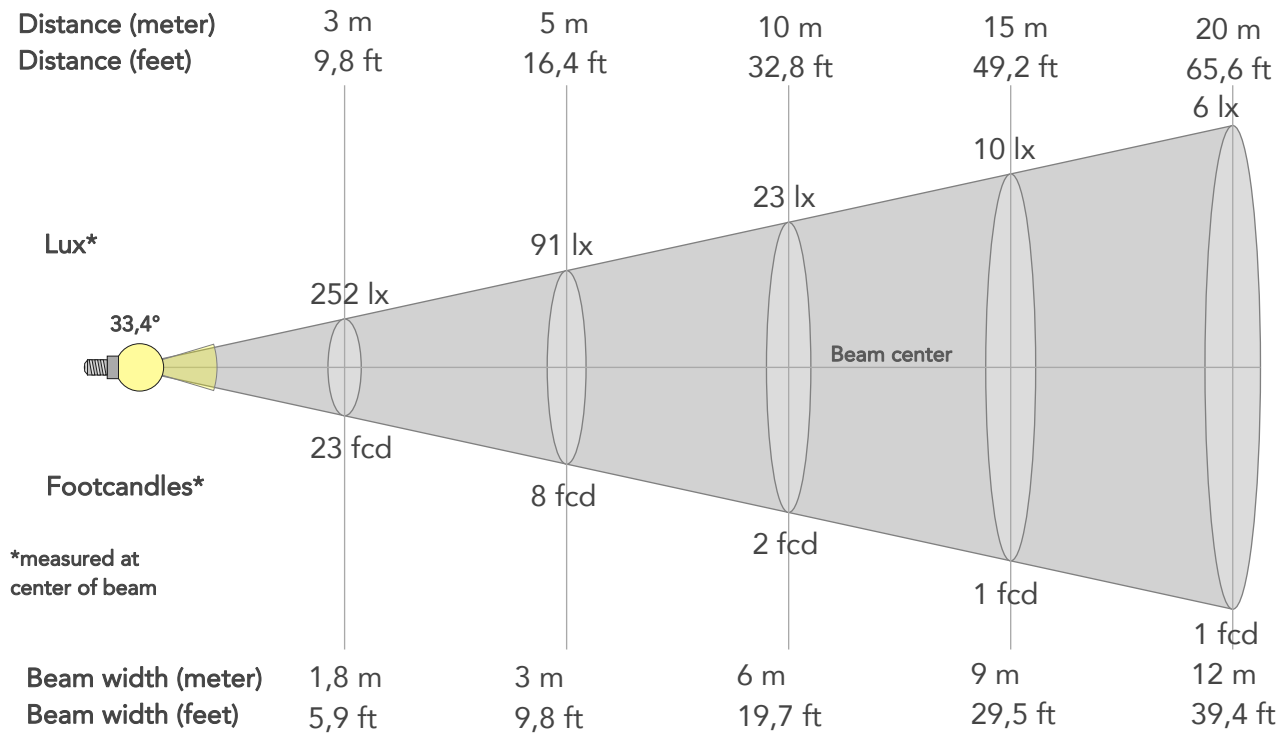
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-2%
2	98	0%	0%
3	95	0%	3%
4	94	0%	3%
5	92	1%	3%
6	94	4%	1%
7	97	2%	-1%
8	96	0%	-1%
9	95	-3%	2%
10	91	-2%	5%
11	85	1%	10%
12	90	2%	7%
13	92	5%	5%
14	92	5%	2%
15	88	11%	-4%
16	94	2%	-3%



BEAM DETAILS

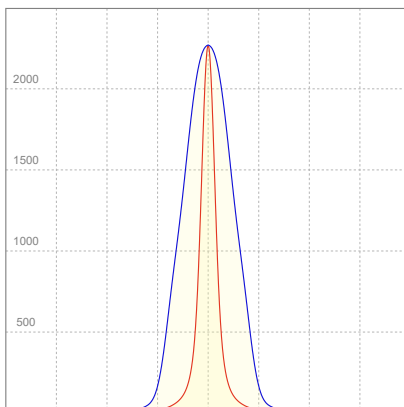
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,4°	59,4°	82,4°	97,7%	92,8%



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	2266lx	567lx	252lx	142lx	91lx	40lx	23lx	10lx	6lx	4lx	3lx	1lx	1lx
Footcand.	211fcd	53fcd	23fcd	13fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,8ft	14,8ft	19,7ft	29,5ft	39,4ft	49,2ft	59,1ft	78,8ft	98,5ft

LINEAR DISTRIBUTION DIAGRAM

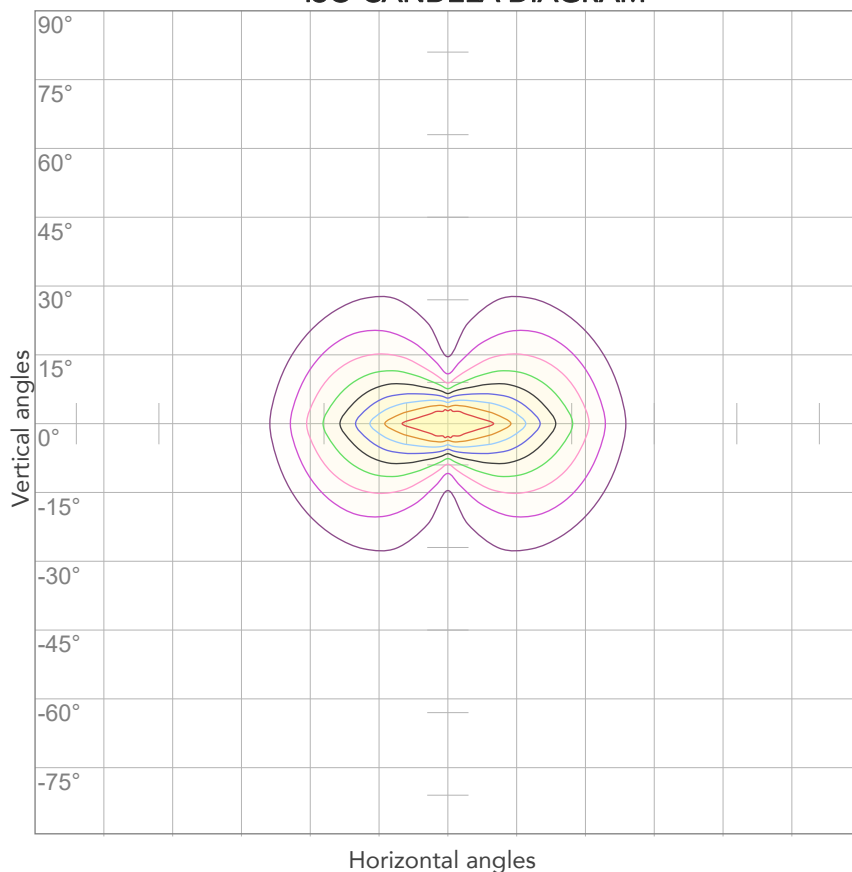


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,089A	15,5W	0,77	70lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



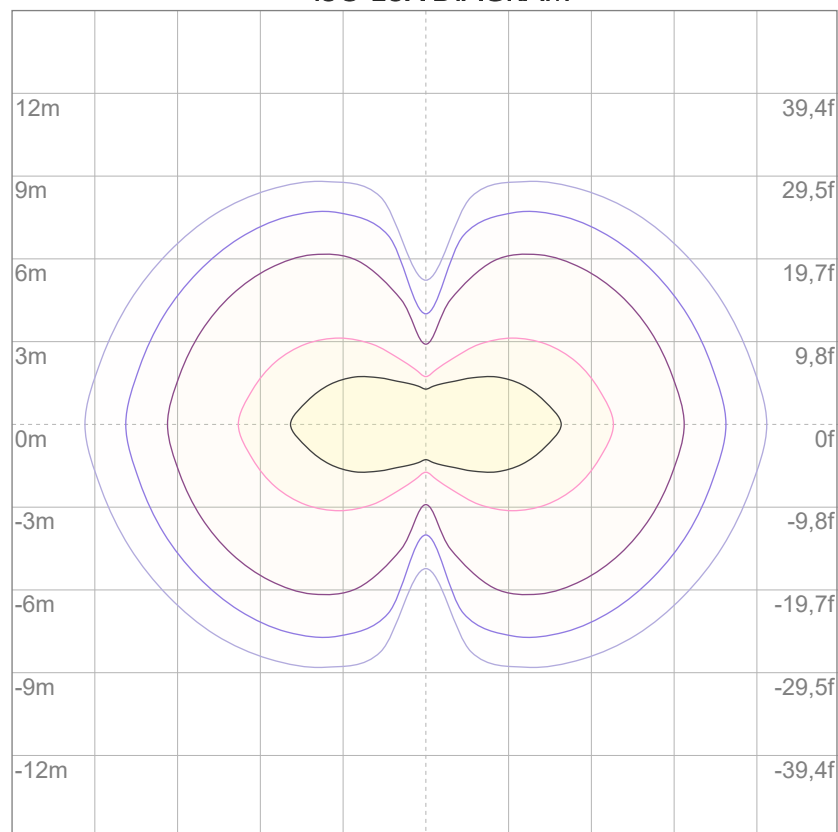
10%	227 cd
20%	453 cd
30%	680 cd
40%	907 cd
50%	1133 cd
60%	1360 cd
70%	1586 cd
80%	1813 cd

Conditions:

Number of c-planes: 4

Candela at center: 2266 cd

ISO LUX DIAGRAM



3%	0,680 lx
5%	1,13 lx
10%	2,27 lx
30%	6,80 lx
50%	11,3 lx

Conditions:

Number of c-planes: 4

Lux at center: 22,7 lx

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



Total lumen output:

666 lm

Peak candela output:

1118 cd

Light quality:

CRI: 94,2

Color temperature:

5641 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

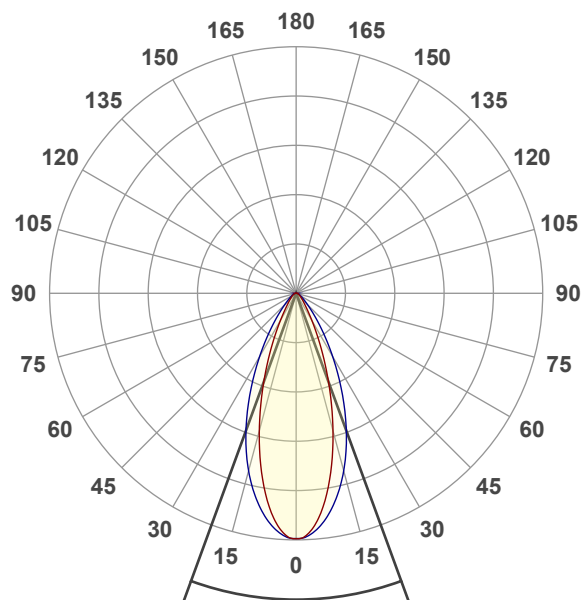
5600K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 15:02:30

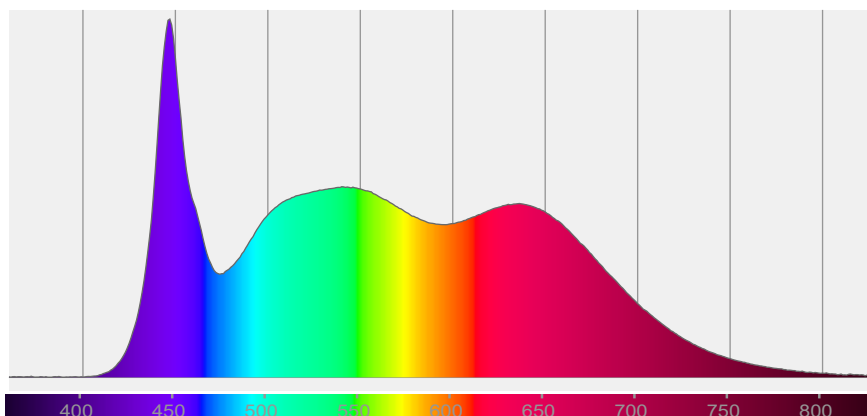


Beam angle 50%: 40,1°

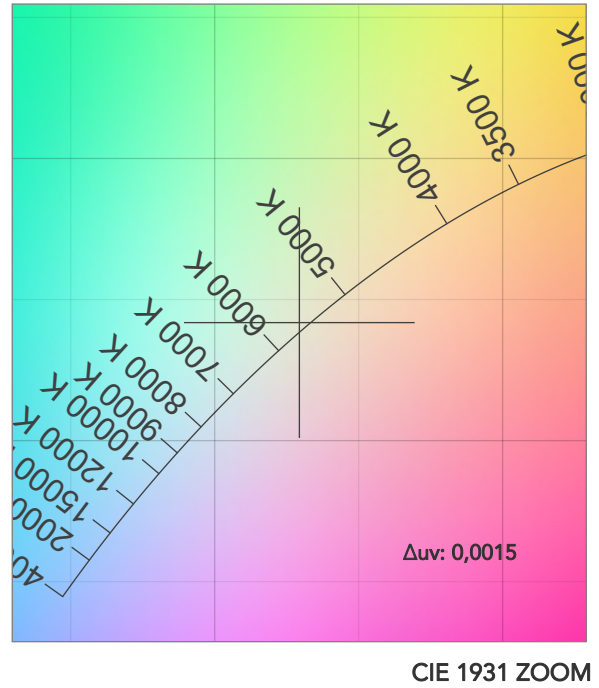
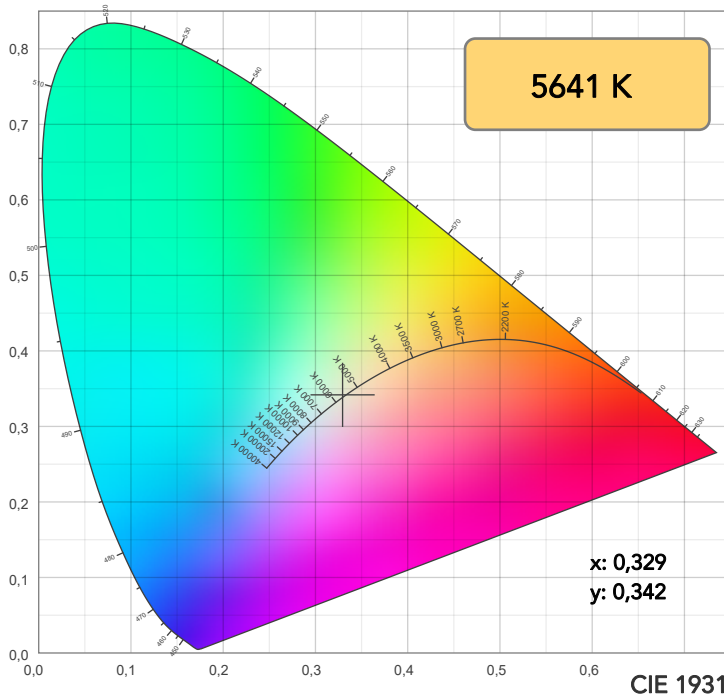
Field angle 10%: 73,2°

Cut off angle 2.5%: 108,3°

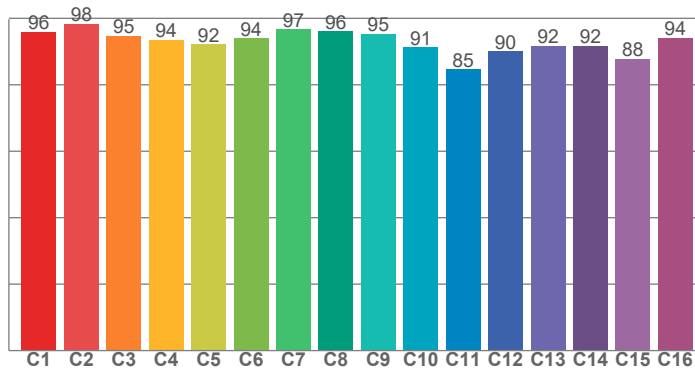
Spectra



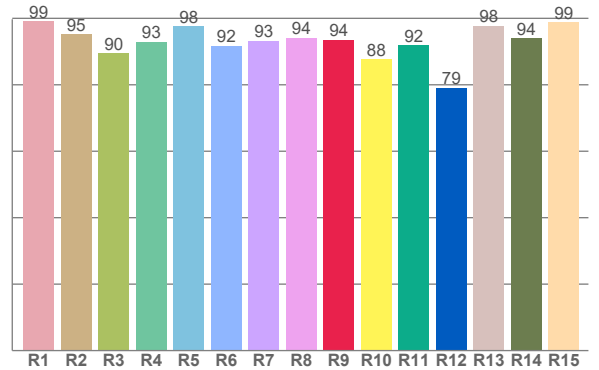
COLOR DETAILS



TM30: 92,9



CRI: 94,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,1	95,1	89,6	92,9	97,7	91,8	93,3	94,1	93,6	87,7	92,0	79,1	97,8	94,1	98,7

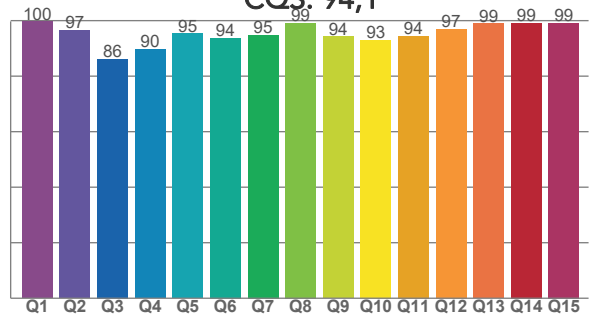
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 94,1



COLOR PARAMETERS

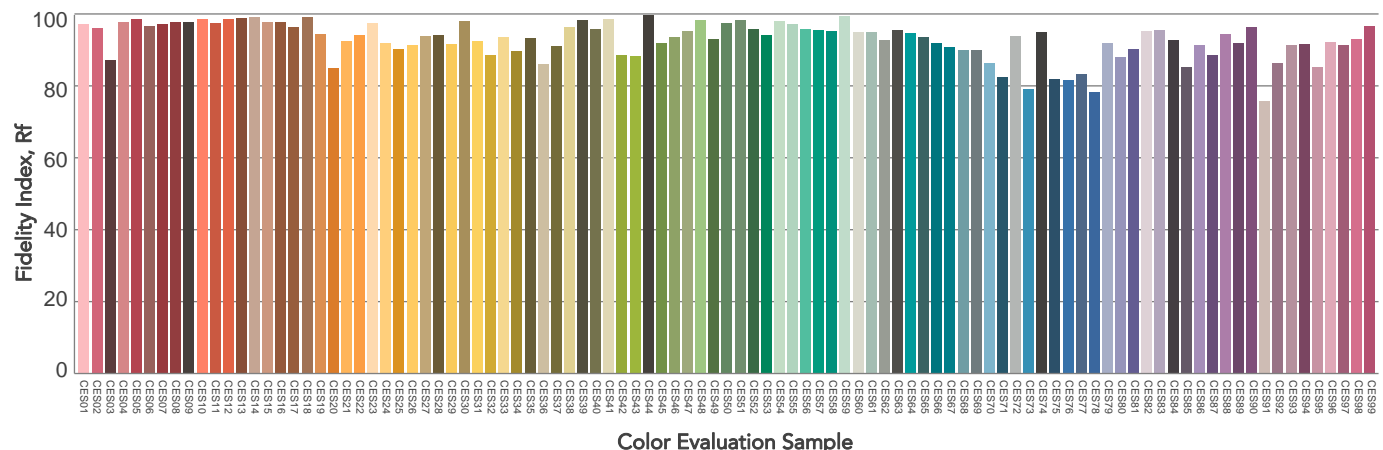
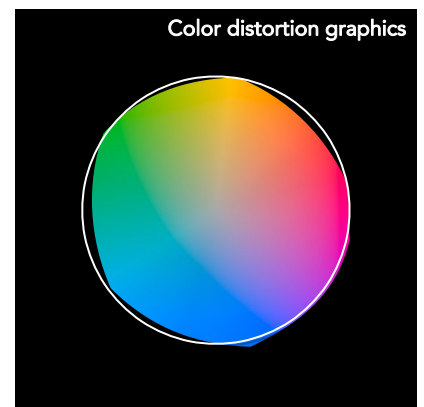
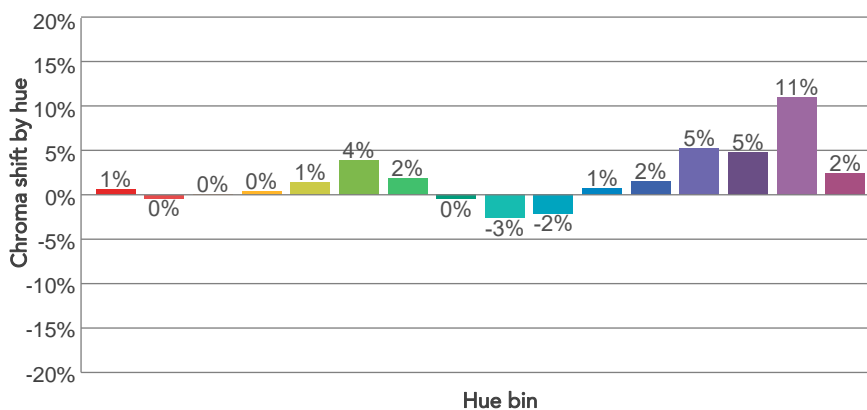
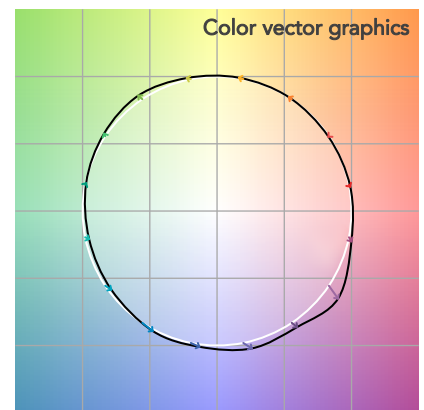
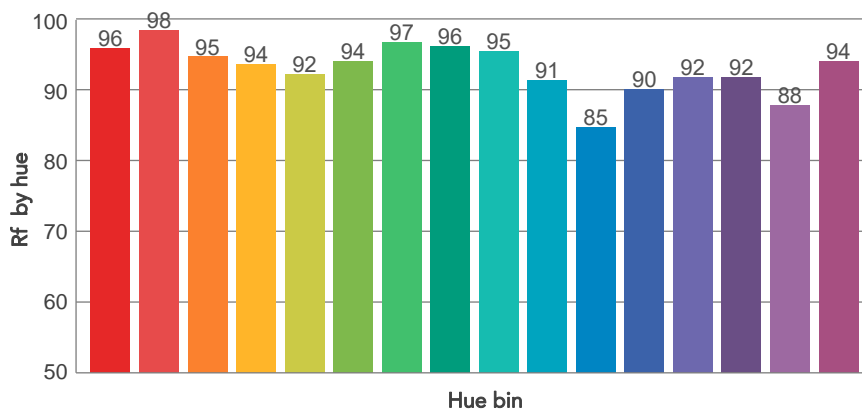
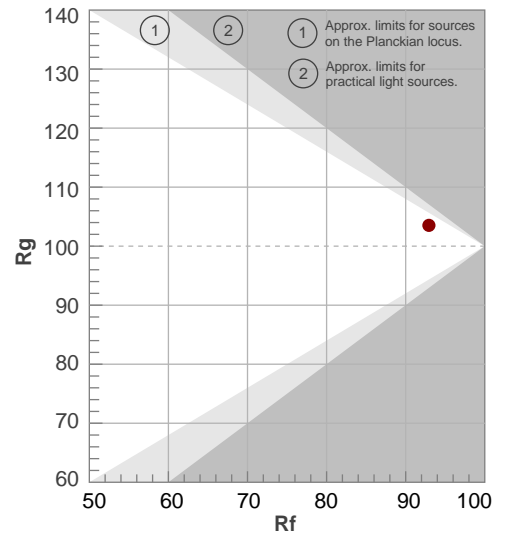
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5641 K	94,2	93,6	92,9	103,5	94,1	98	0,329	0,342	0,0015

TM30 DETAILS

Rf 92,9
Fidelity index Rf

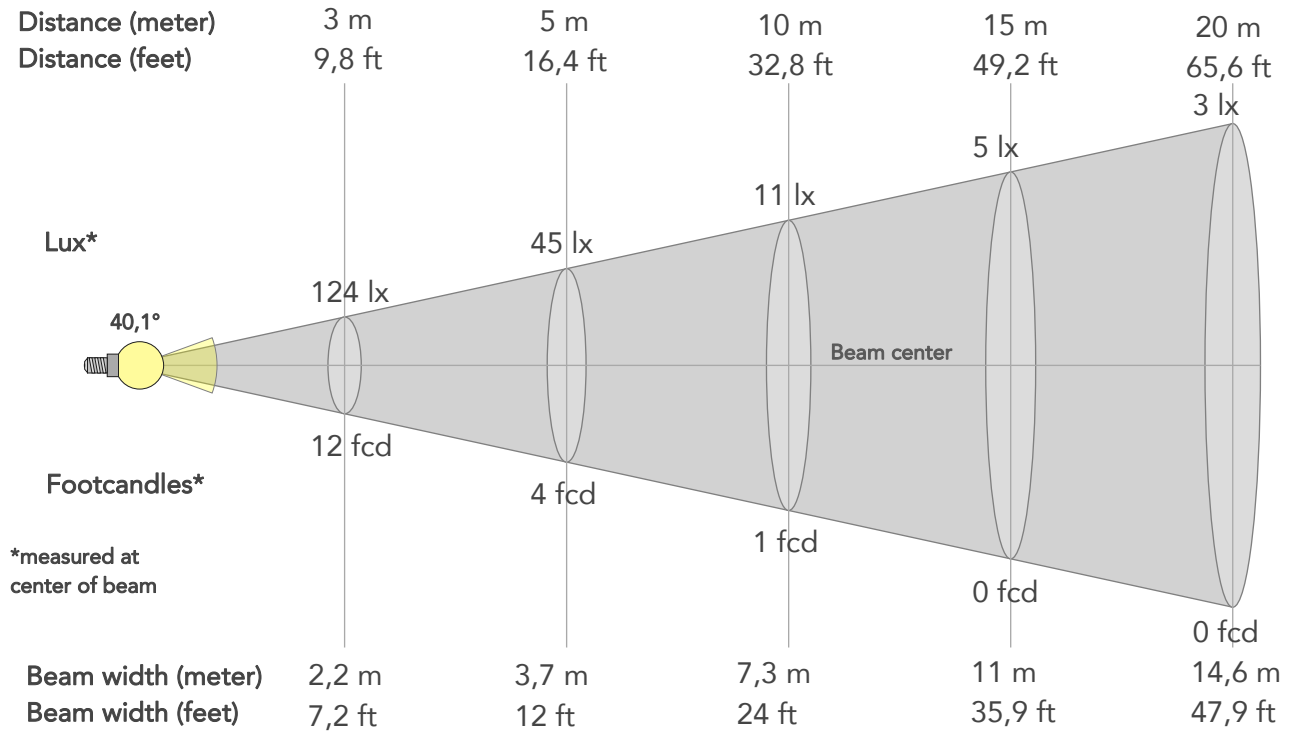
Rg 103,5
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-2%
2	98	0%	0%
3	95	0%	3%
4	94	0%	3%
5	92	1%	3%
6	94	4%	1%
7	97	2%	-1%
8	96	0%	-1%
9	95	-3%	2%
10	91	-2%	5%
11	85	1%	10%
12	90	2%	7%
13	92	5%	5%
14	92	5%	2%
15	88	11%	-4%
16	94	2%	-3%



BEAM DETAILS

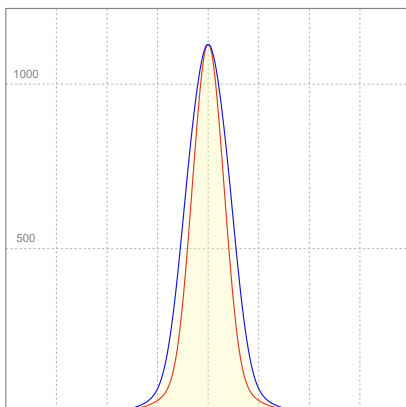
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40,1°	73,2°	108,3°	95,8%	89,2%



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	1118lx	279lx	124lx	70lx	45lx	20lx	11lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	104fcd	26fcd	12fcd	6fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	2,9m	3,7m	5,5m	7,3m	11m	14,6m	18,3m	21,9m	29,2m	36,5m
Beam wid.	2,4ft	4,8ft	7,2ft	9,6ft	12ft	18ft	24ft	35,9ft	47,9ft	59,9ft	71,9ft	95,9ft	119,8ft

LINEAR DISTRIBUTION DIAGRAM

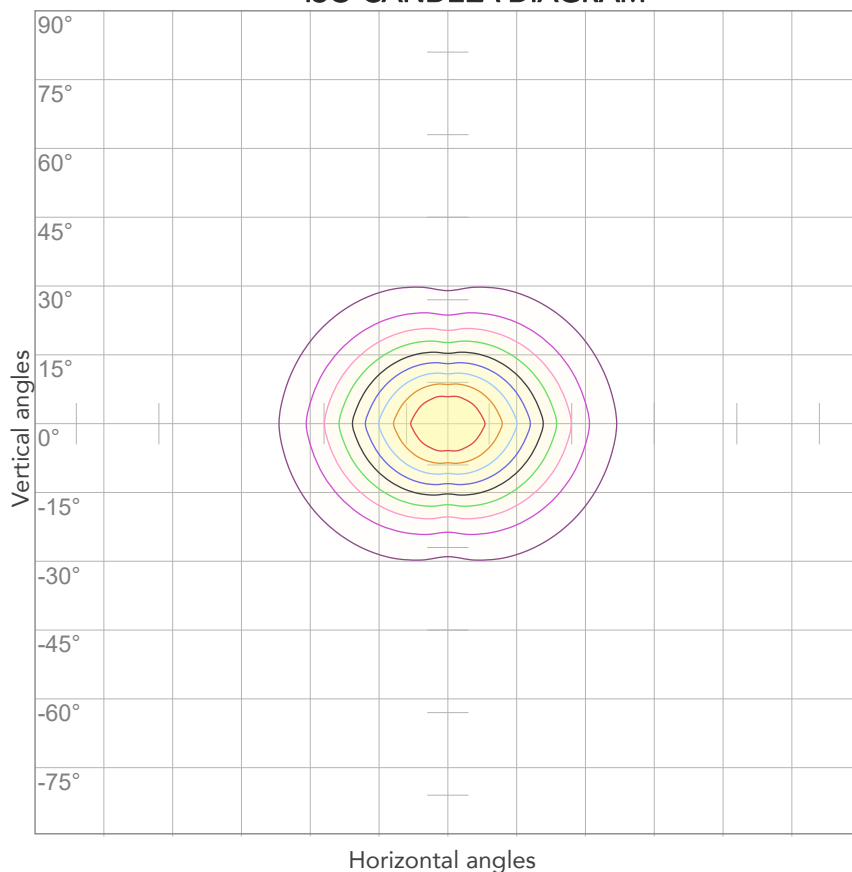


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,088A	15,5W	0,77	43lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



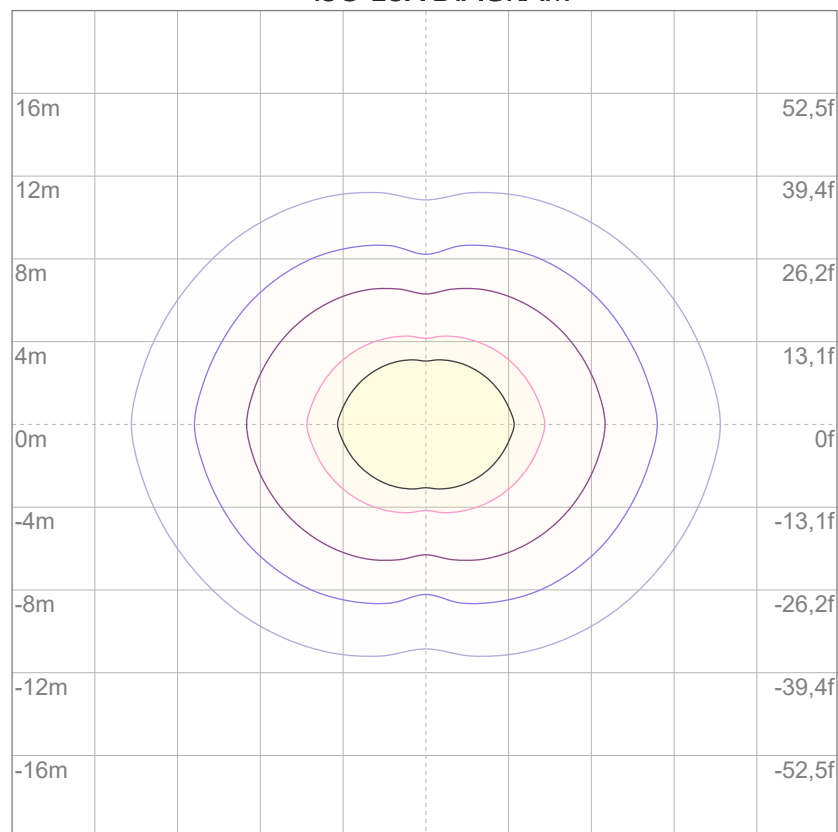
10%	112 cd
20%	224 cd
30%	335 cd
40%	447 cd
50%	559 cd
60%	671 cd
70%	783 cd
80%	894 cd

Conditions:

Number of c-planes: 4

Candela at center: 1118 cd

ISO LUX DIAGRAM



3%	0,335 lx
5%	0,559 lx
10%	1,12 lx
30%	3,35 lx
50%	5,59 lx

Conditions:

Number of c-planes: 4

Lux at center: 11,2 lx

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



Total lumen output:

705 lm

Peak candela output:

14062 cd

Light quality:

CRI: 92,4

Color temperature:

6445 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

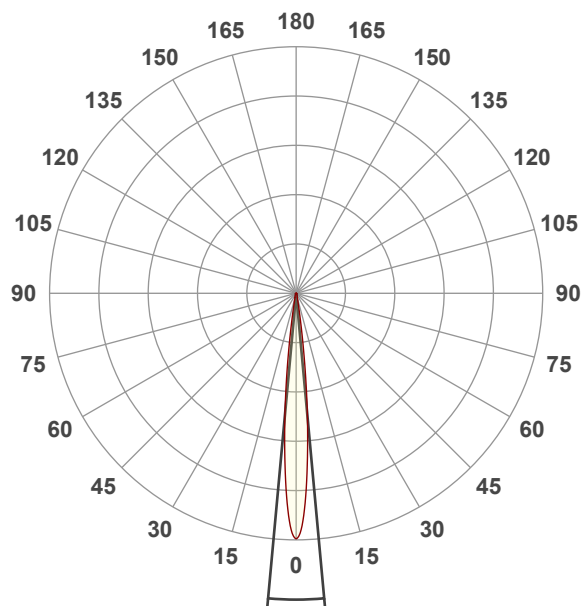
6500K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 11:37:29

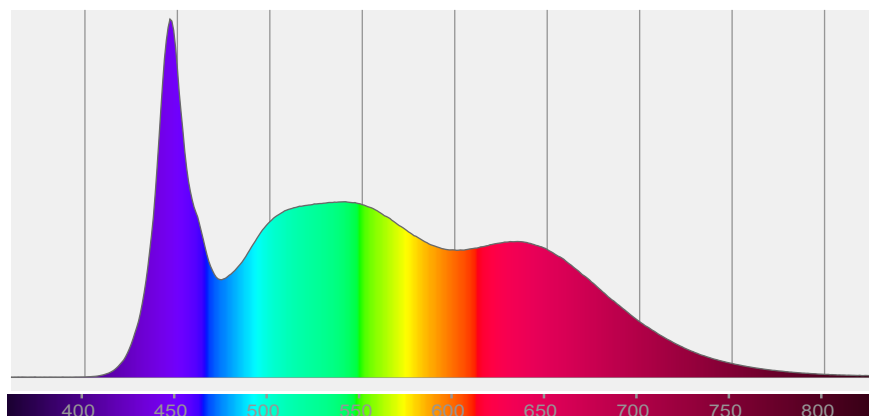


Beam angle 50%: 10,5°

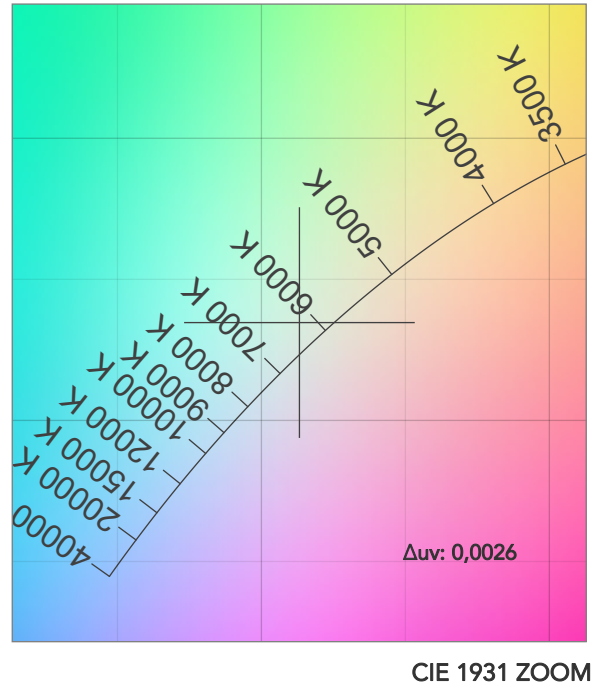
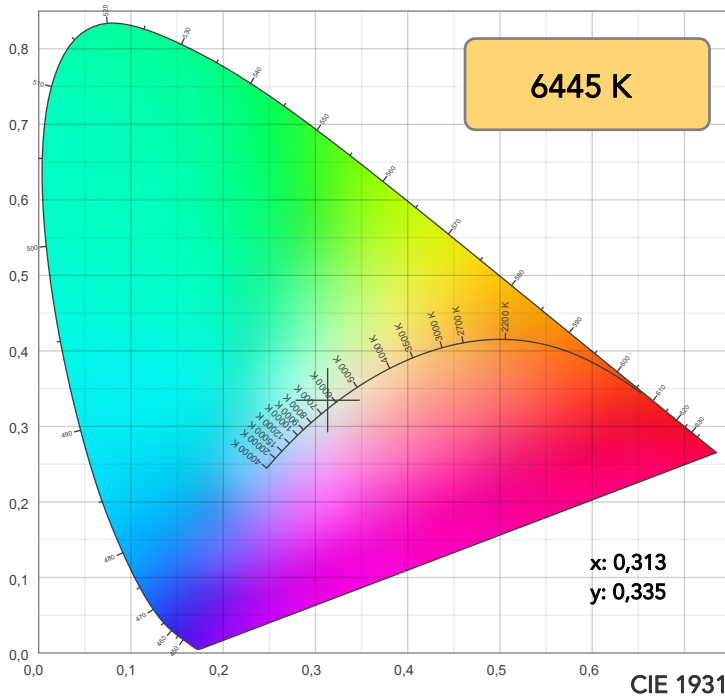
Field angle 10%: 18,5°

Cut off angle 2.5%: 26,7°

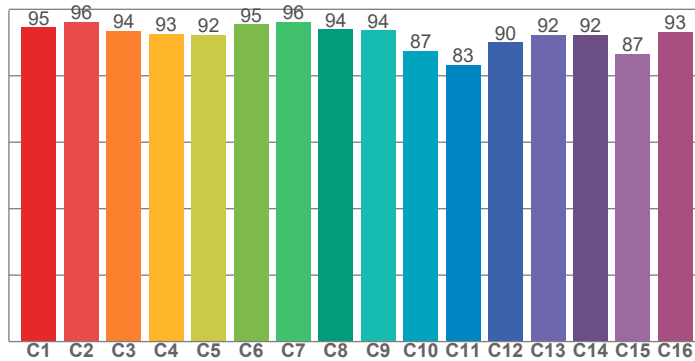
Spectra



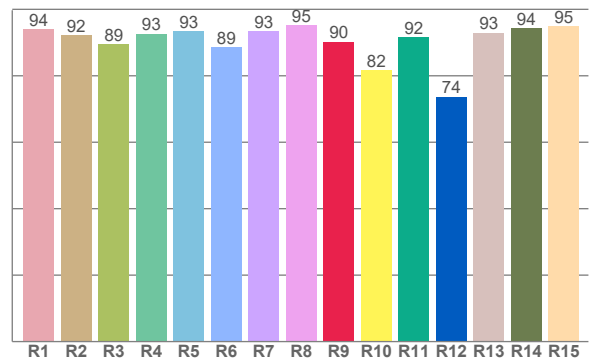
COLOR DETAILS



TM30: 92,1



CRI: 92,4 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,0	92,2	89,4	92,7	93,3	88,6	93,4	95,3	90,3	81,7	91,7	73,7	93,0	94,3	95,0

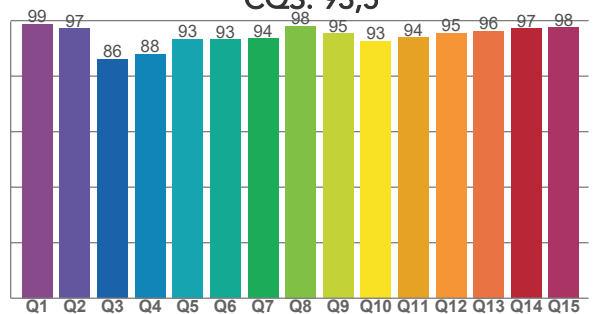
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,6	96,3	93,5	92,6	92,3	95,5	96,3	94,0	93,6	87,4	83,3	90,0	92,2	92,3	86,6	93,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,8	97,1	86,1	88,0	93,3	93,2	93,6	98,1	95,4	92,7	93,9	95,4	96,3	97,2	97,5

CQS: 93,5



COLOR PARAMETERS

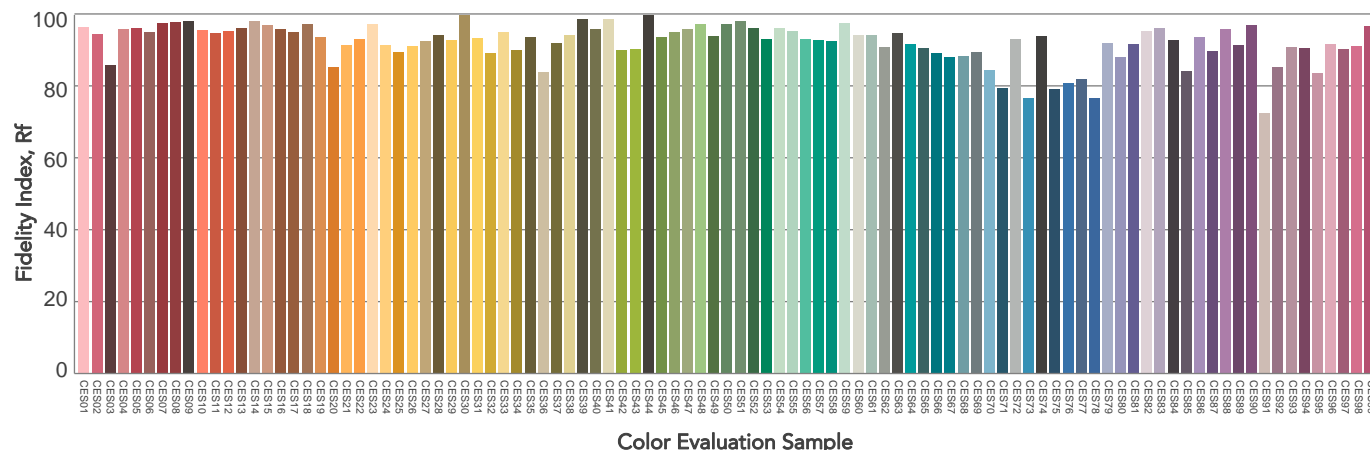
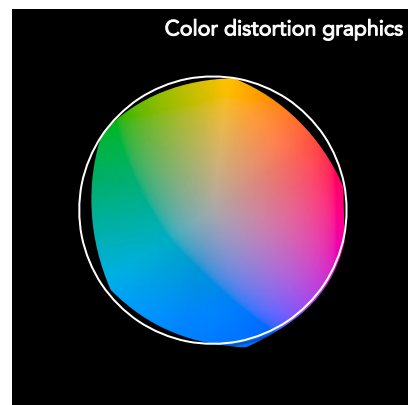
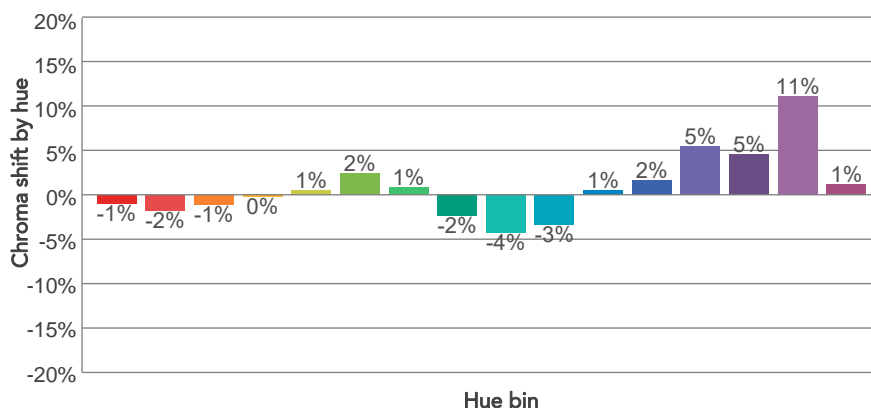
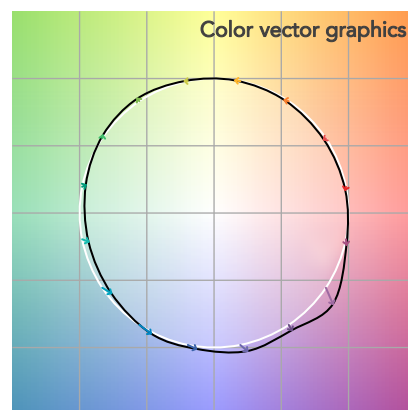
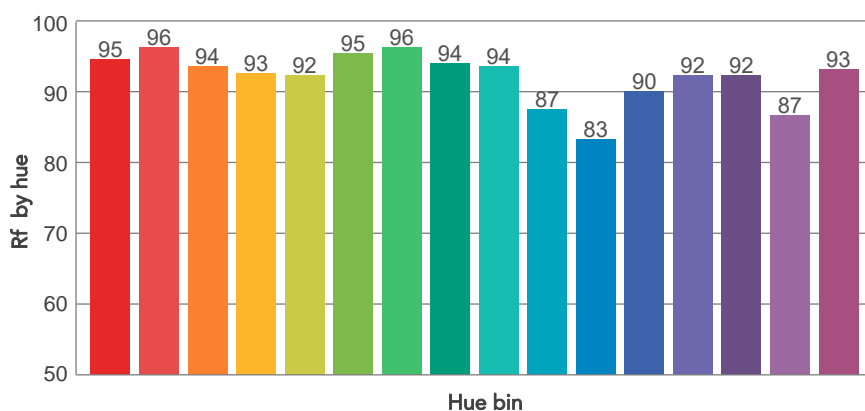
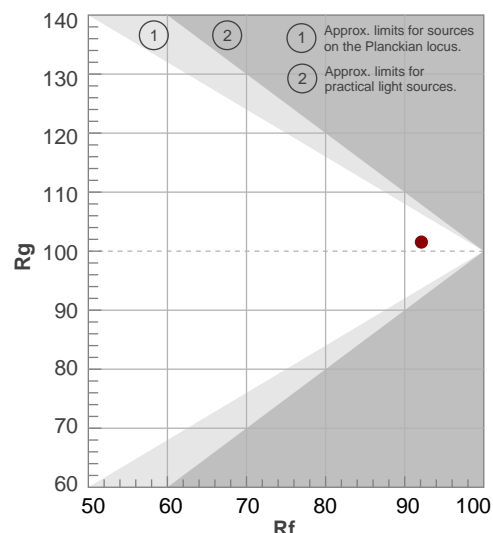
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6445 K	92,4	90,3	92,1	101,5	93,5	98	0,313	0,335	0,0026

TM30 DETAILS

Rf 92,1
Fidelity index Rf

Rg 101,5
Gammut index

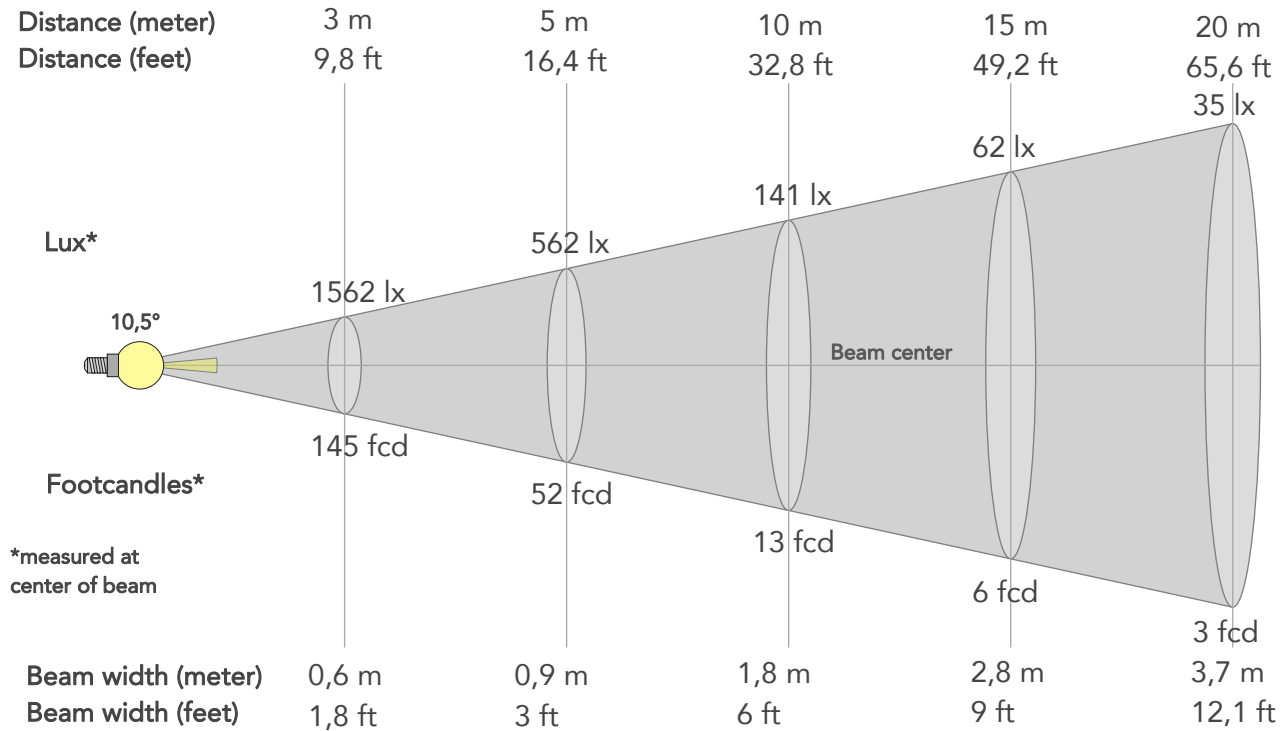
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-2%
2	96	-2%	0%
3	94	-1%	3%
4	93	0%	4%
5	92	1%	2%
6	95	2%	0%
7	96	1%	-2%
8	94	-2%	-2%
9	94	-4%	3%
10	87	-3%	7%
11	83	1%	11%
12	90	2%	7%
13	92	5%	4%
14	92	5%	0%
15	87	11%	-7%
16	93	1%	-4%



BEAM DETAILS



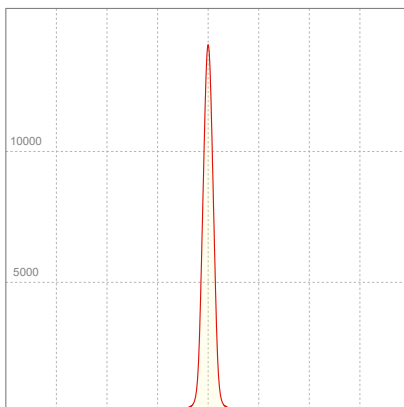
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,5°	18,5°	26,7°	96,7%	94,0%



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	14062lx	3515lx	1562lx	879lx	562lx	250lx	141lx	62lx	35lx	22lx	16lx	9lx	6lx
Footcand.	1306fcd	327fcd	145fcd	82fcd	52fcd	23fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	1fcd
Beam wid.	0,2m	0,4m	0,6m	0,7m	0,9m	1,4m	1,8m	2,8m	3,7m	4,6m	5,5m	7,4m	9,2m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	6ft	9ft	12,1ft	15,1ft	18,1ft	24,1ft	30,2ft

LINEAR DISTRIBUTION DIAGRAM

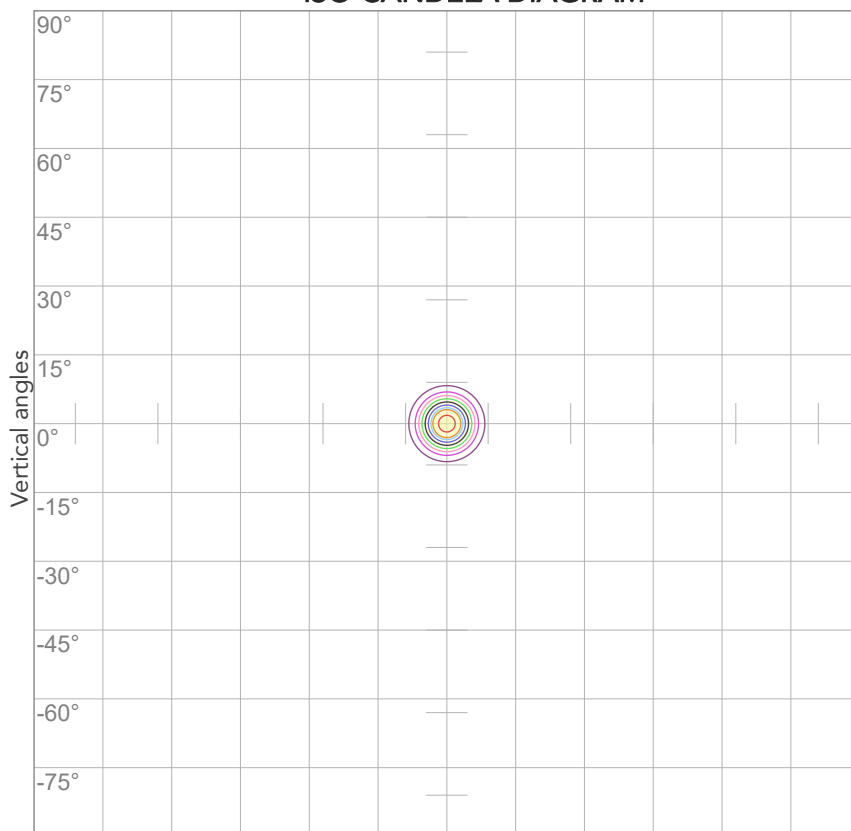


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,081A	13,3W	0,72	53lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



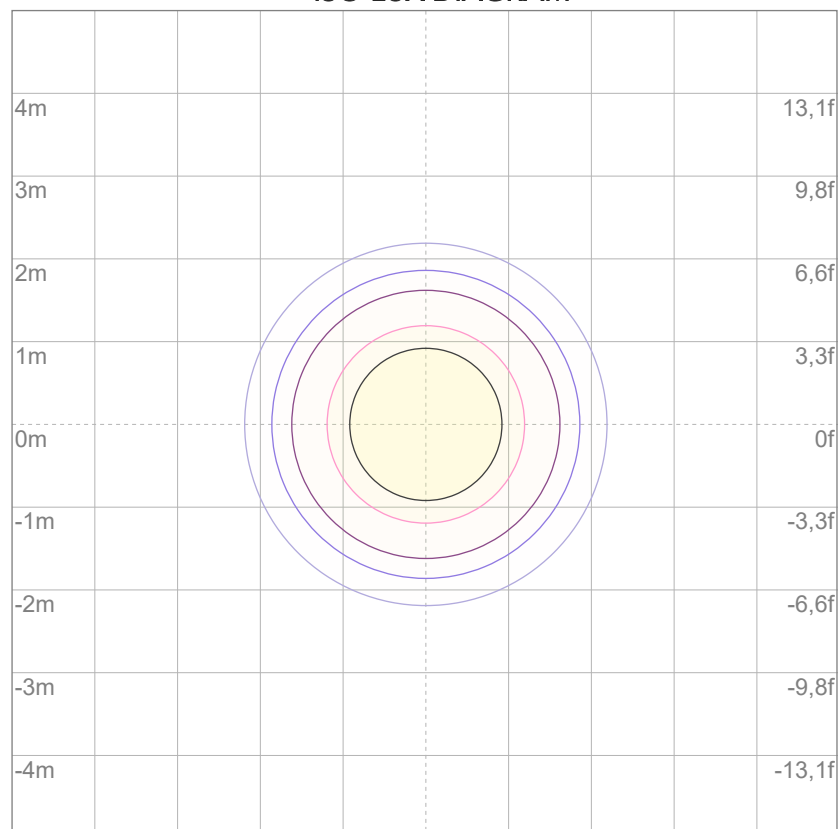
10%	1406 cd
20%	2812 cd
30%	4219 cd
40%	5625 cd
50%	7031 cd
60%	8437 cd
70%	9843 cd
80%	11249 cd

Conditions:

Number of c-planes: 2

Candela at center: 14062 cd

ISO LUX DIAGRAM



3%	4,22 lx
5%	7,03 lx
10%	14,1 lx
30%	42,2 lx
50%	70,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 141 lx

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



Total lumen output:

649 lm

Peak candela output:

2682 cd

Light quality:

CRI: 92,2

Color temperature:

6392 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

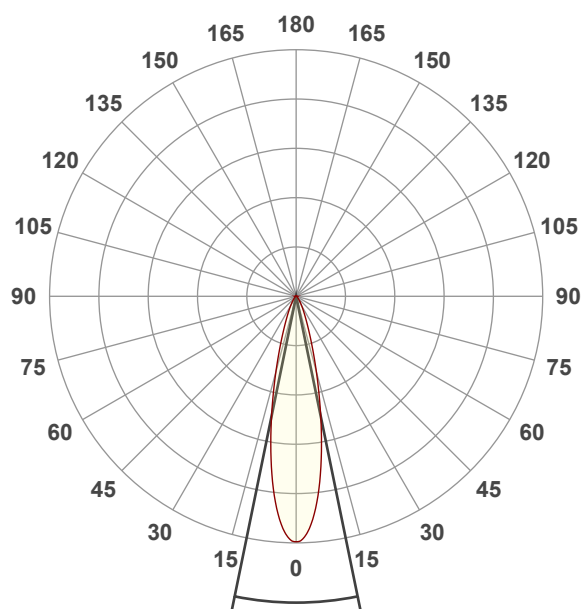
6500K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 11:59:04

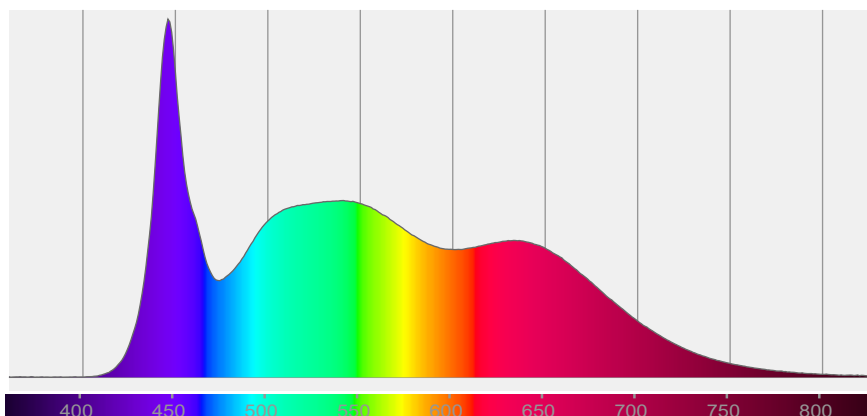


Beam angle 50%: 23,2°

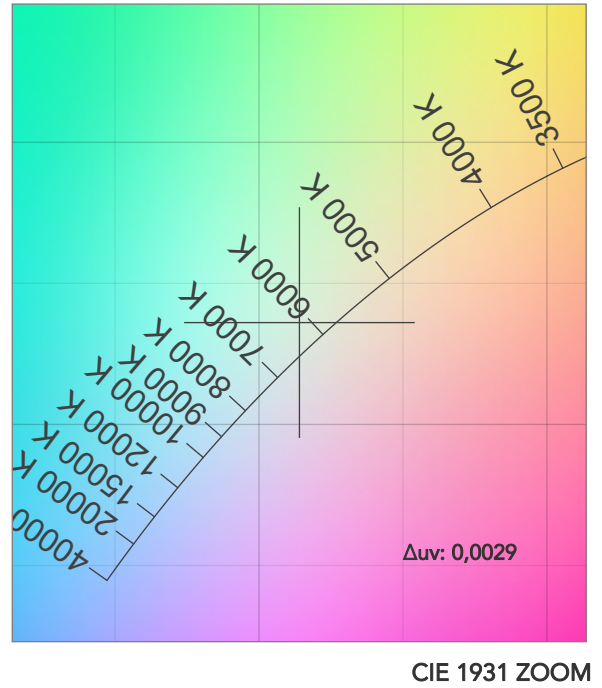
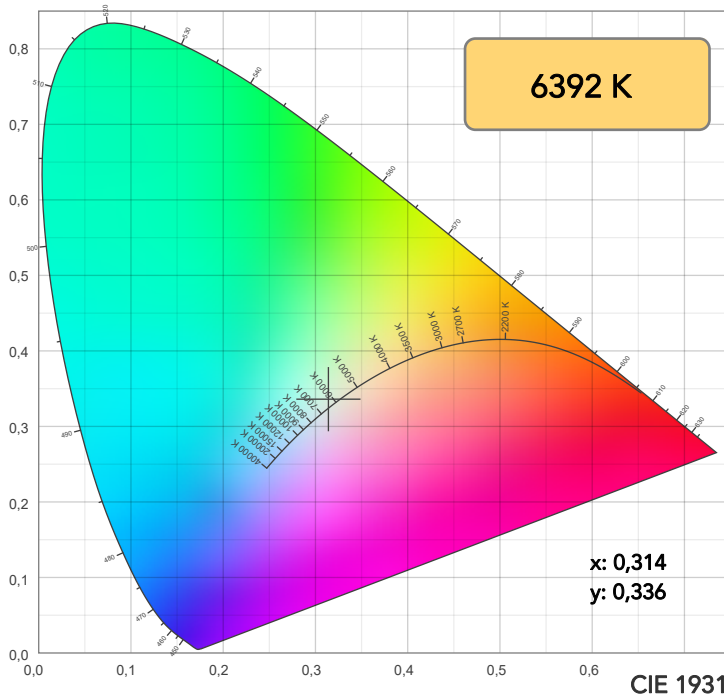
Field angle 10%: 46,5°

Cut off angle 2.5%: 71,9°

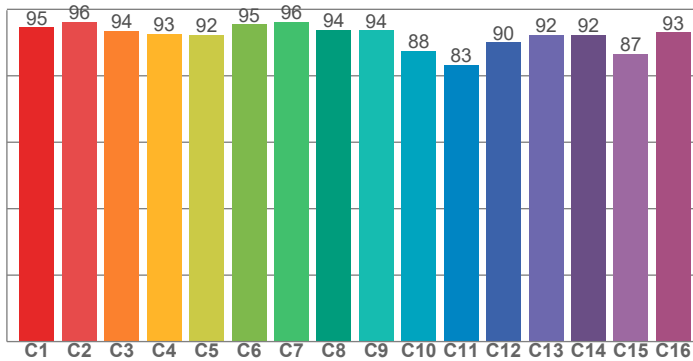
Spectra



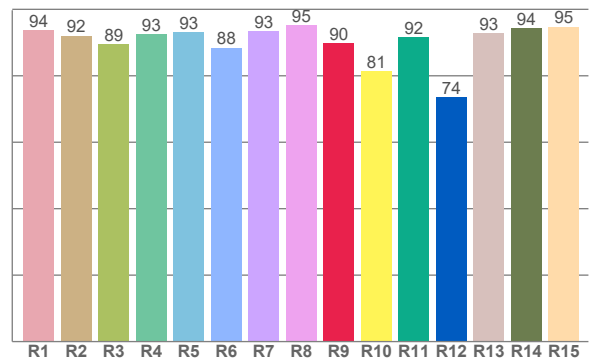
COLOR DETAILS



TM30: 92,1



CRI: 92,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,8	92,0	89,4	92,5	93,1	88,4	93,3	95,2	89,7	81,4	91,5	73,6	92,7	94,3	94,7

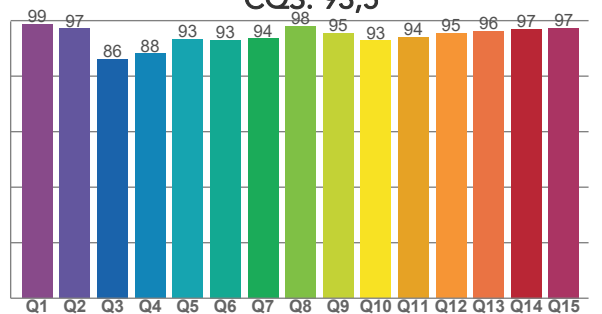
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,5	96,2	93,5	92,6	92,3	95,4	96,2	93,8	93,6	87,5	83,3	90,0	92,3	92,2	86,7	93,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,7	97,1	86,2	88,2	93,3	93,0	93,5	98,0	95,4	92,8	94,0	95,4	96,2	97,0	97,4

CQS: 93,5



COLOR PARAMETERS

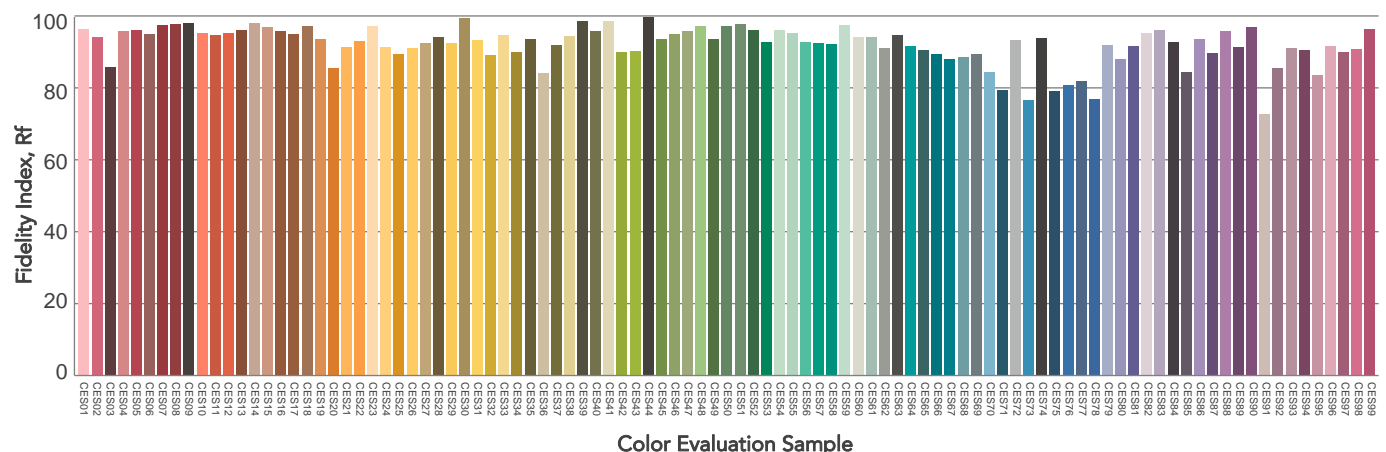
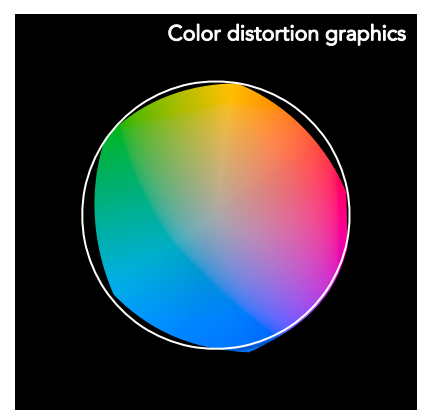
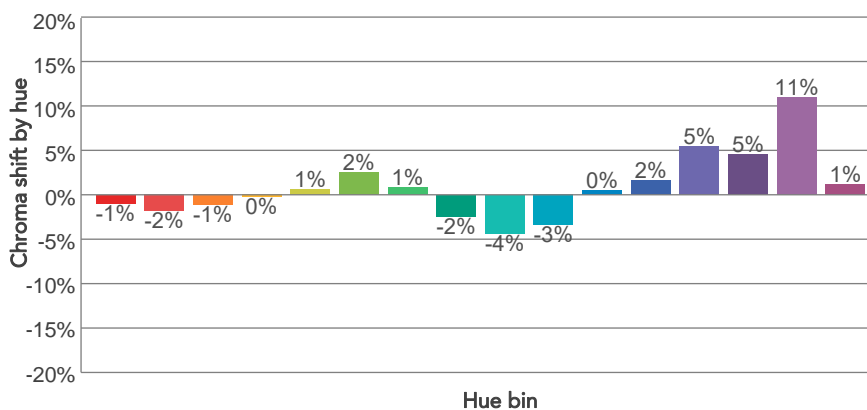
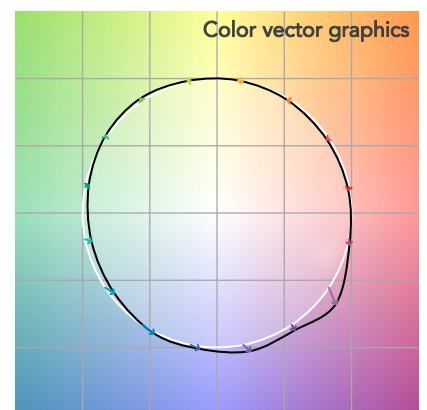
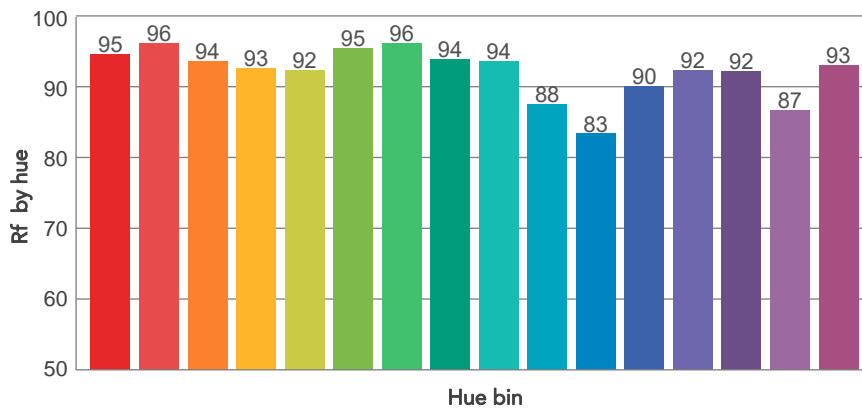
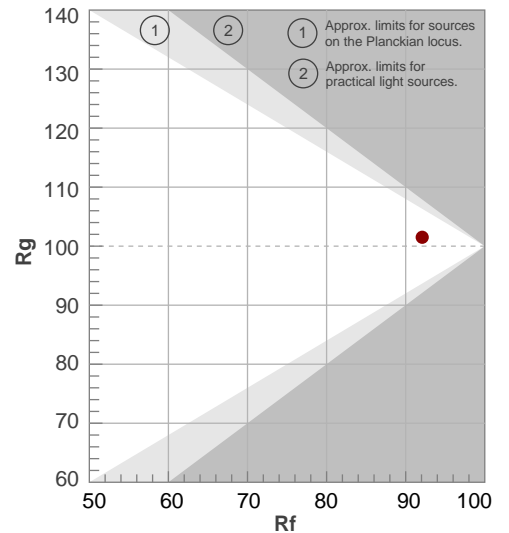
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6392 K	92,2	89,7	92,1	101,5	93,5	98	0,314	0,336	0,0029

TM30 DETAILS

Rf 92,1
Fidelity index Rf

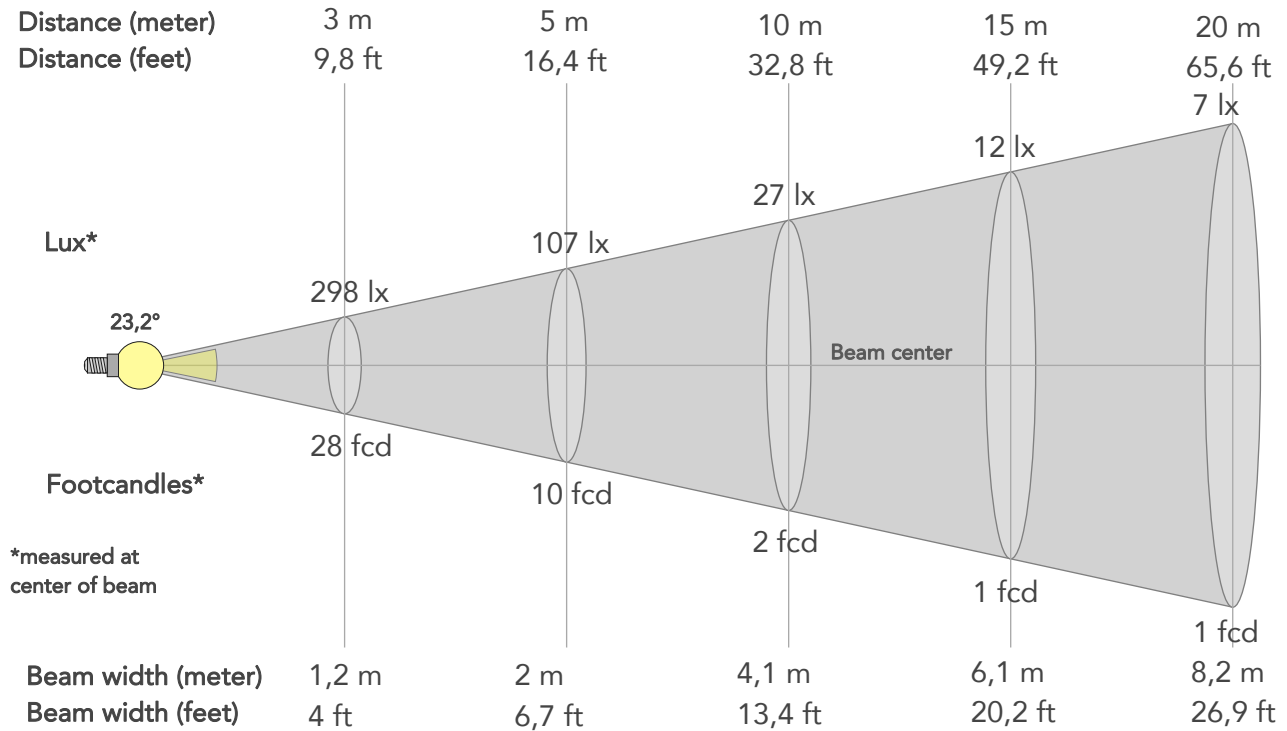
Rg 101,5
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-2%
2	96	-2%	0%
3	94	-1%	3%
4	93	0%	4%
5	92	1%	2%
6	95	2%	0%
7	96	1%	-2%
8	94	-2%	-2%
9	94	-4%	2%
10	88	-3%	7%
11	83	0%	11%
12	90	2%	7%
13	92	5%	4%
14	92	5%	0%
15	87	11%	-7%
16	93	1%	-4%



BEAM DETAILS

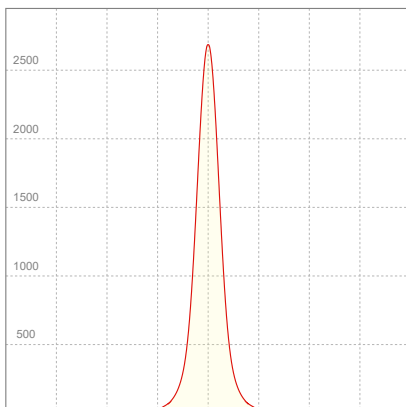
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,2°	46,5°	71,9°	96,9%	93,1%



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	2682lx	670lx	298lx	168lx	107lx	48lx	27lx	12lx	7lx	4lx	3lx	2lx	1lx
Footcand.	249fcd	62fcd	28fcd	16fcd	10fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3,1m	4,1m	6,1m	8,2m	10,2m	12,3m	16,4m	20,5m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,7ft	10,1ft	13,4ft	20,2ft	26,9ft	33,6ft	40,3ft	53,8ft	67,2ft

LINEAR DISTRIBUTION DIAGRAM

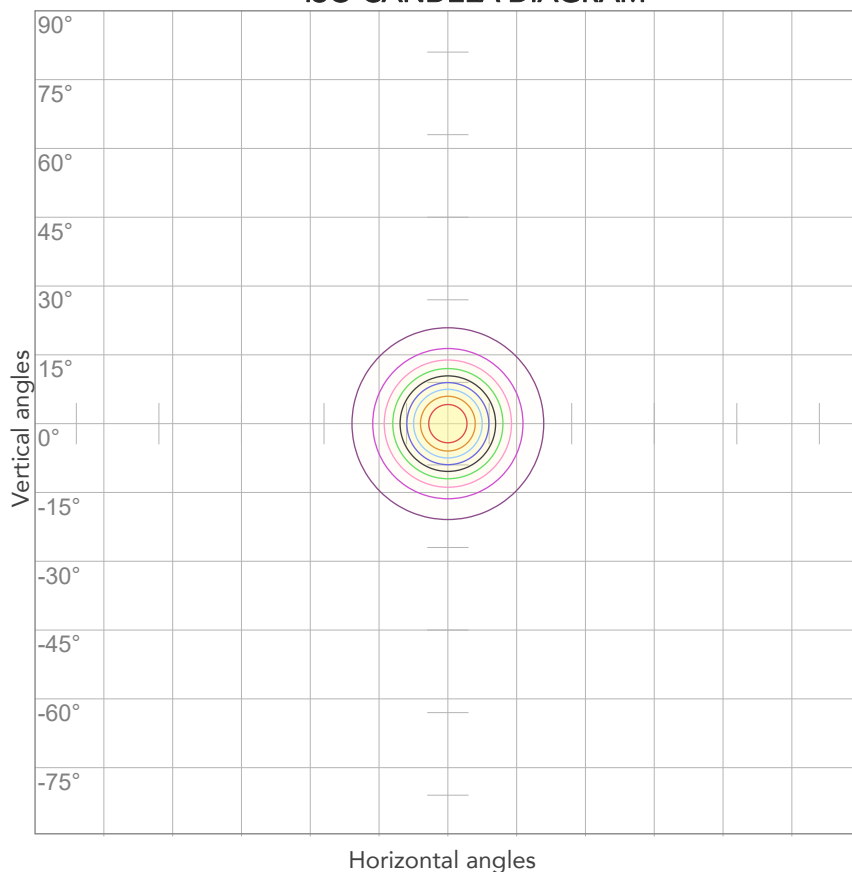


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,082A	13,4W	0,72	49lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



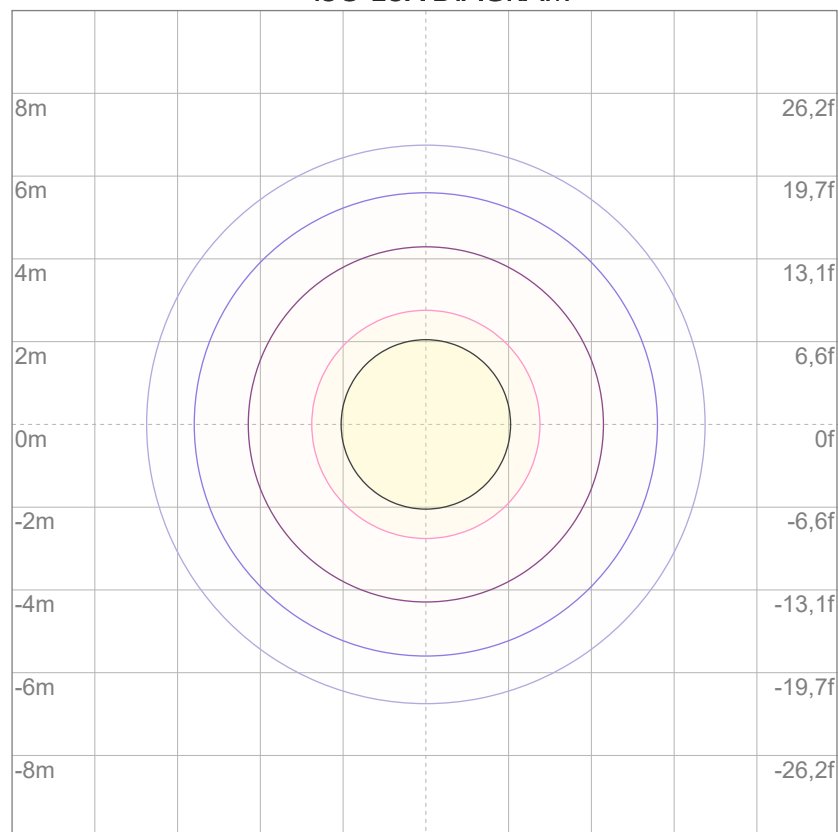
10%	268 cd
20%	536 cd
30%	805 cd
40%	1073 cd
50%	1341 cd
60%	1609 cd
70%	1877 cd
80%	2146 cd

Conditions:

Number of c-planes: 2

Candela at center: 2682 cd

ISO LUX DIAGRAM



3%	0,805 lx
5%	1,34 lx
10%	2,68 lx
30%	8,05 lx
50%	13,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 26,8 lx

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



Total lumen output:

602 lm

Peak candela output:

773 cd

Light quality:

CRI: 92,8

Color temperature:

6441 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

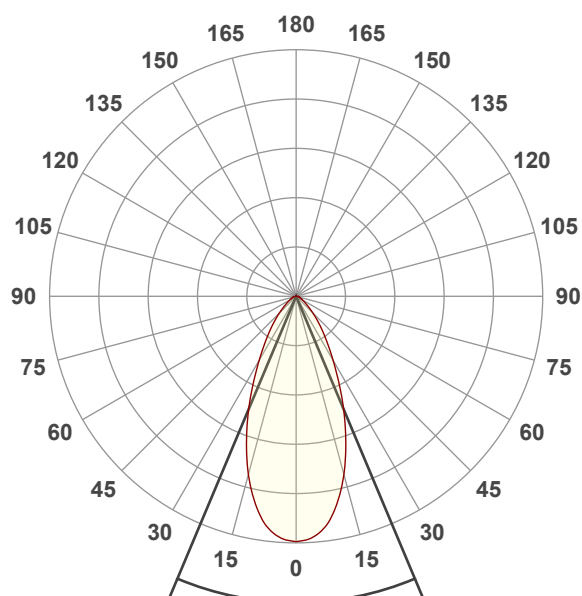
6500K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 12:51:26

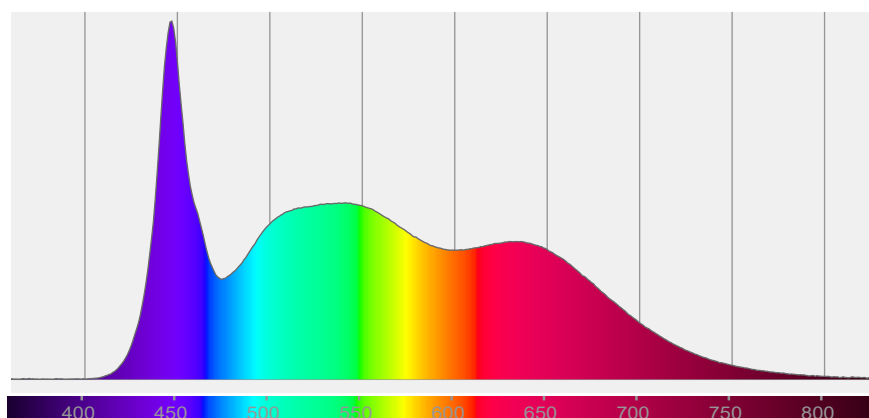


Beam angle 50%: 45,6°

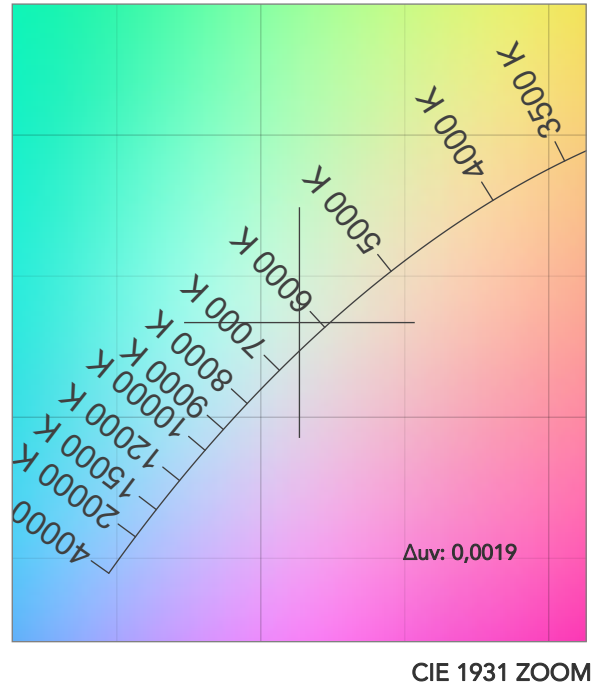
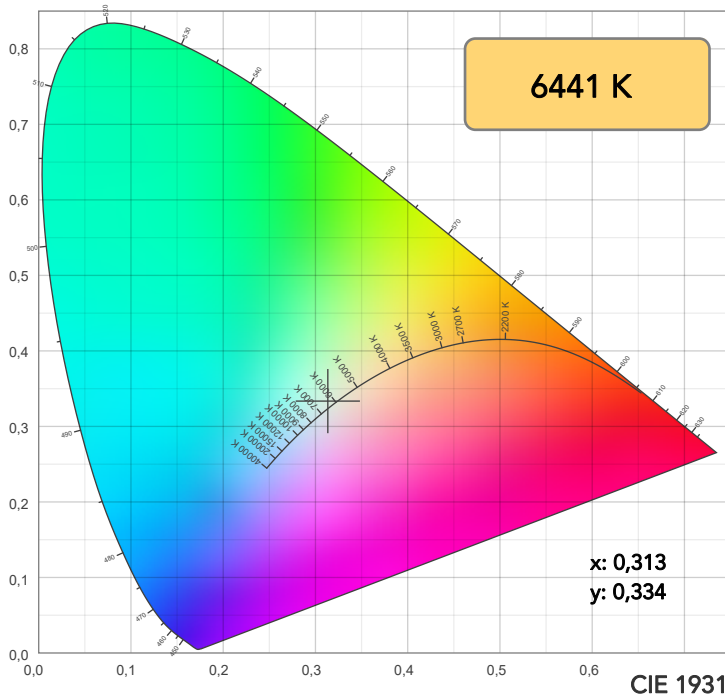
Field angle 10%: 89,3°

Cut off angle 2.5%: 125°

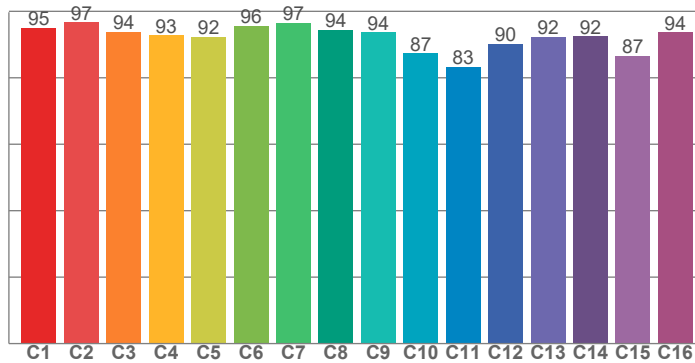
Spectra



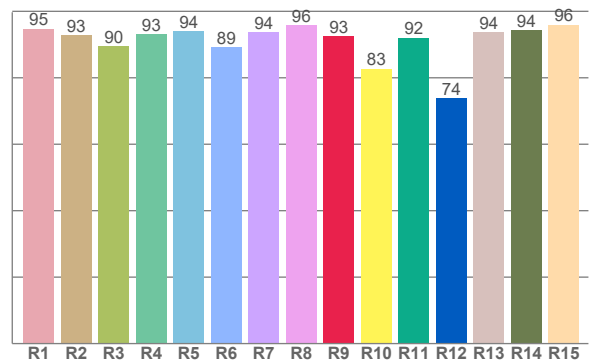
COLOR DETAILS



TM30: 92,3



CRI: 92,8 (R1-R8)



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

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

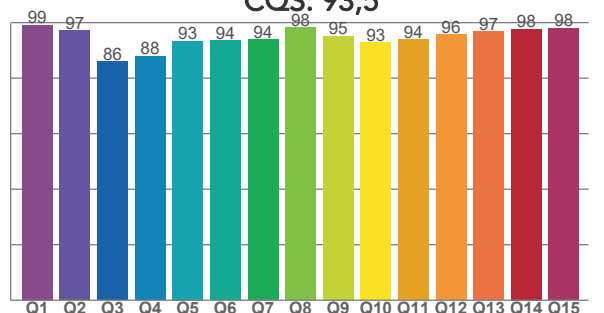
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,0	96,7	93,8	92,7	92,3	95,6	96,5	94,4	93,7	87,4	83,3	90,2	92,3	92,4	86,7	93,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,1	97,2	86,0	87,9	93,5	93,6	93,9	98,2	95,2	92,8	93,9	95,7	96,7	97,7	98,0

CQS: 93,5



COLOR PARAMETERS

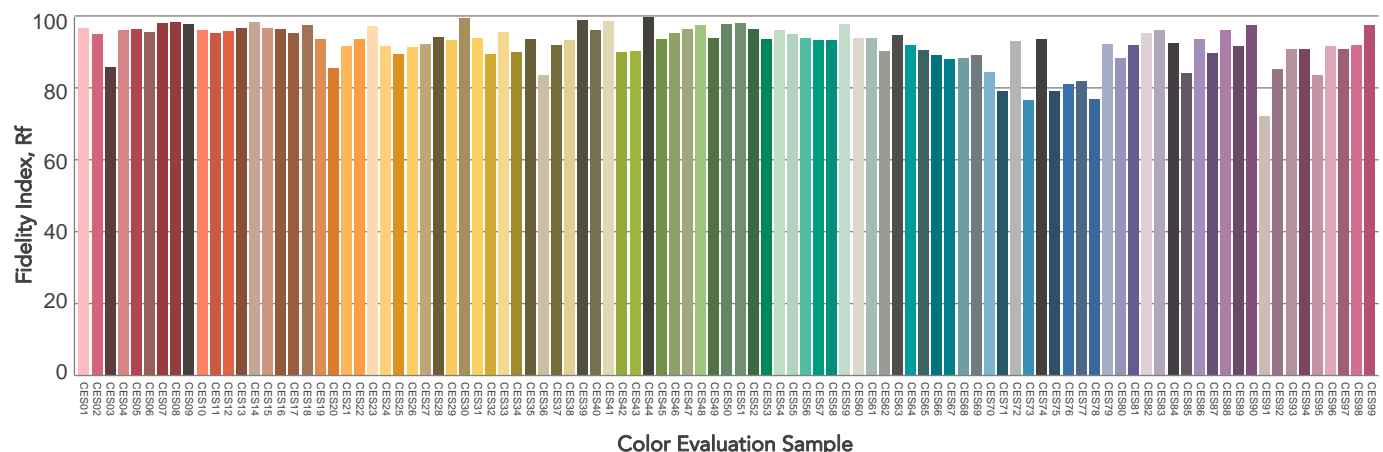
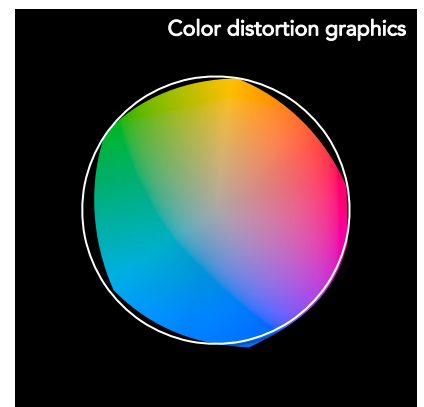
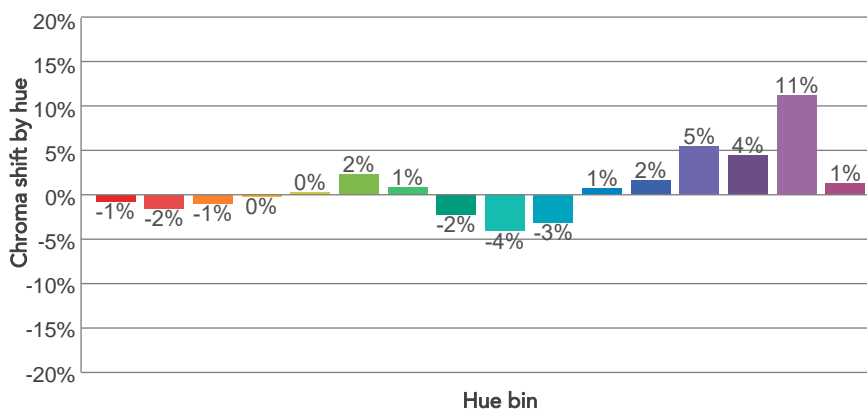
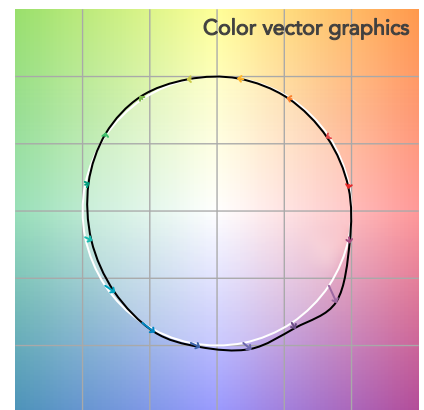
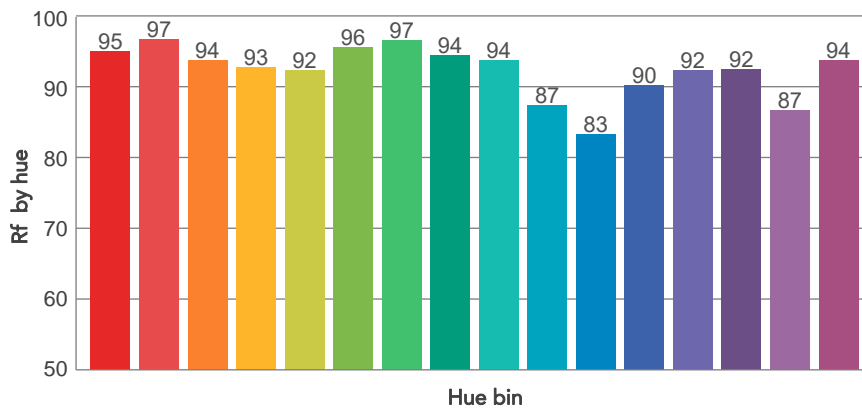
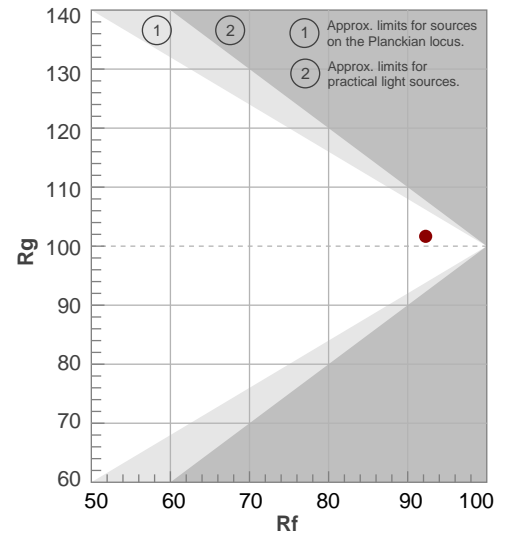
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6441 K	92,8	92,6	92,3	101,7	93,5	98	0,313	0,334	0,0019

TM30 DETAILS

Rf 92,3
Fidelity index Rf

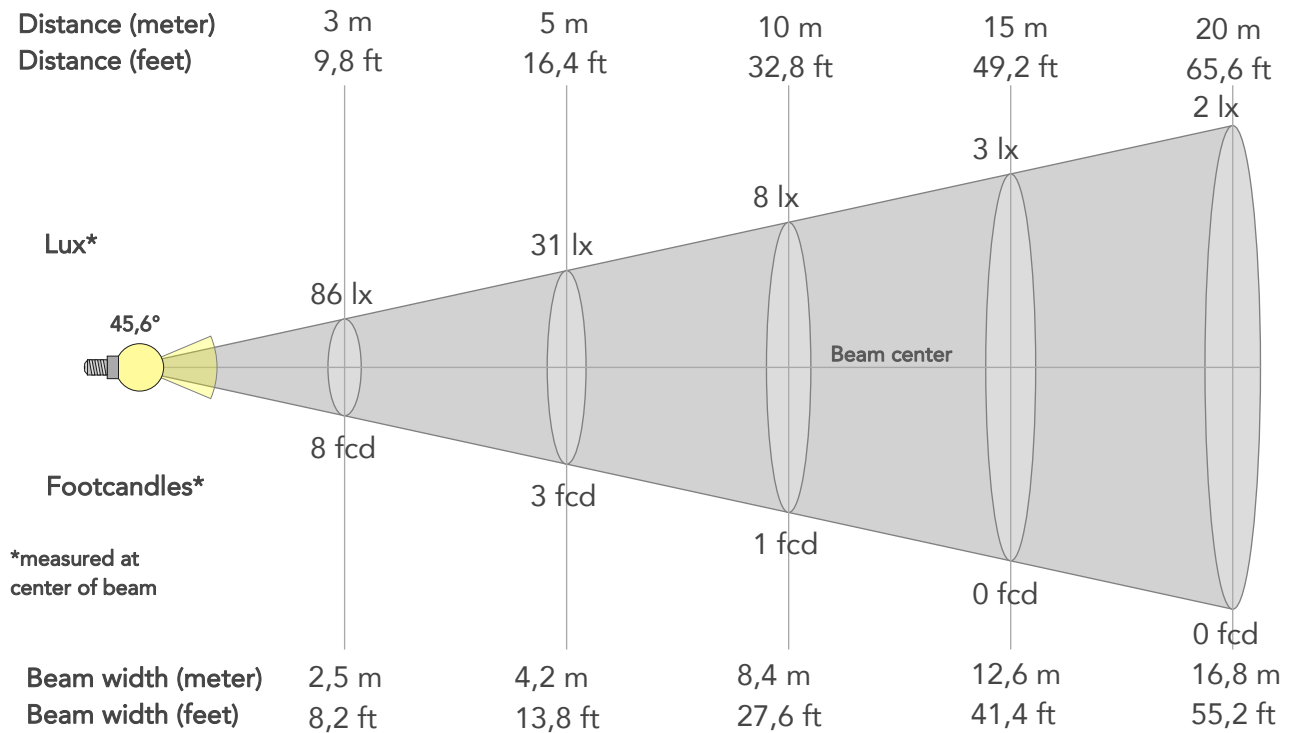
Rg 101,7
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-2%
2	97	-2%	0%
3	94	-1%	3%
4	93	0%	4%
5	92	0%	2%
6	96	2%	0%
7	97	1%	-2%
8	94	-2%	-1%
9	94	-4%	3%
10	87	-3%	7%
11	83	1%	11%
12	90	2%	7%
13	92	5%	4%
14	92	4%	0%
15	87	11%	-7%
16	94	1%	-4%



BEAM DETAILS

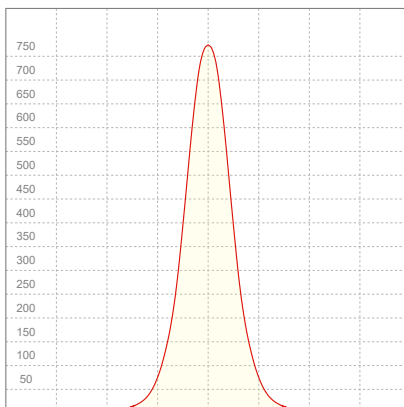
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,6°	89,3°	125°	95,4%	86,3%



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	773lx	193lx	86lx	48lx	31lx	14lx	8lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	72fcd	18fcd	8fcd	4fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,4m	4,2m	6,3m	8,4m	12,6m	16,8m	21m	25,2m	33,6m	42,1m
Beam wid.	2,8ft	5,6ft	8,2ft	11ft	13,8ft	20,7ft	27,6ft	41,4ft	55,2ft	69ft	82,8ft	110,3ft	137,9ft

LINEAR DISTRIBUTION DIAGRAM

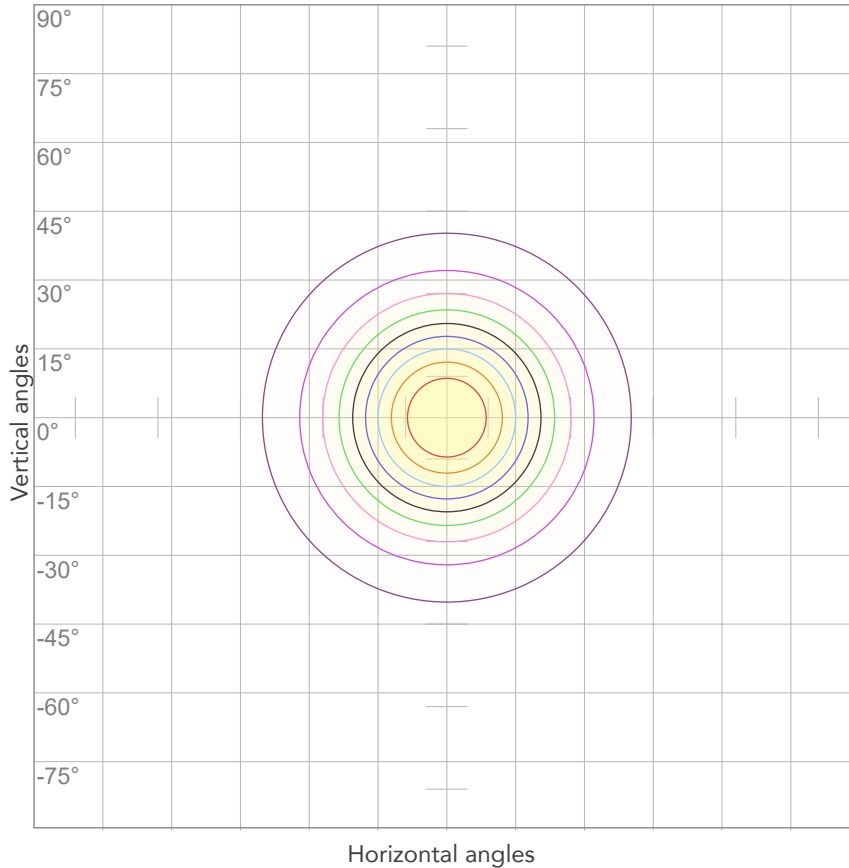


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,081A	13,3W	0,72	45lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



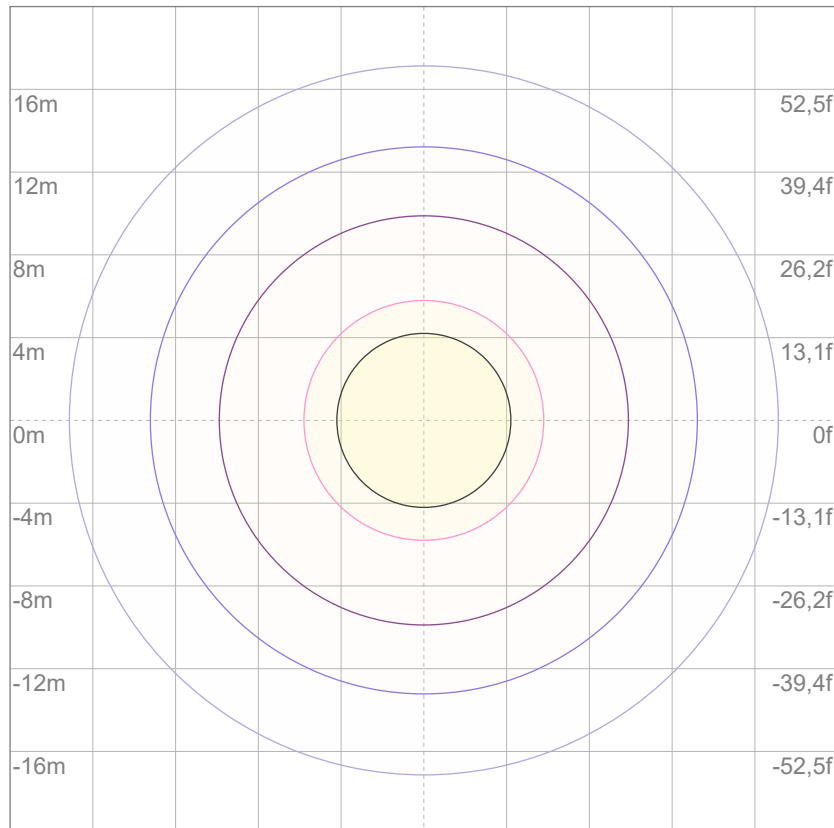
10%	77 cd
20%	155 cd
30%	232 cd
40%	309 cd
50%	387 cd
60%	464 cd
70%	541 cd
80%	619 cd

Conditions:

Number of c-planes: 2

Candela at center: 773 cd

ISO LUX DIAGRAM



3%	0,232 lx
5%	0,387 lx
10%	0,773 lx
30%	2,32 lx
50%	3,87 lx

Conditions:

Number of c-planes: 2

Lux at center: 7,73 lx

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



Total lumen output:

629 lm

Peak candela output:

556 cd

Light quality:

CRI: 92,9

Color temperature:

6444 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

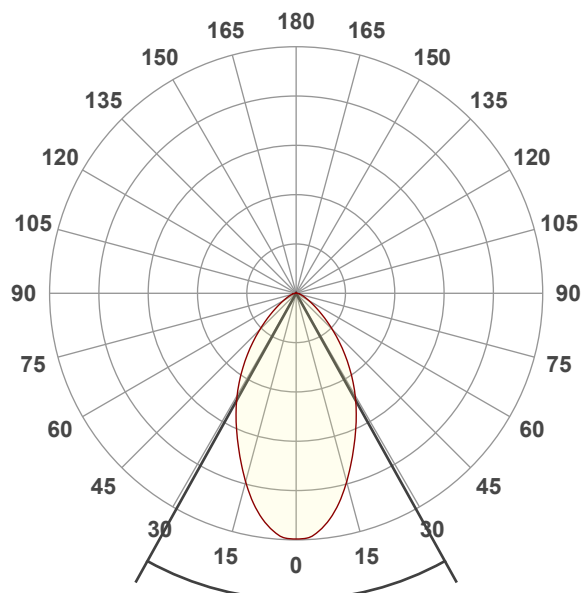
6500K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 13:08:18

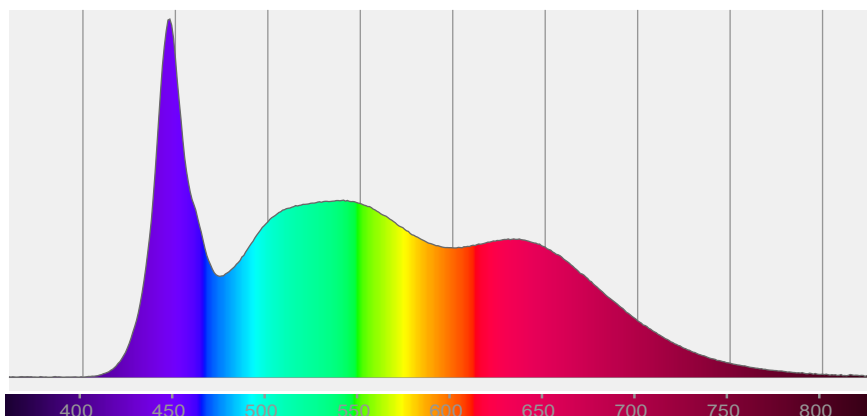


Beam angle 50%: 58,1°

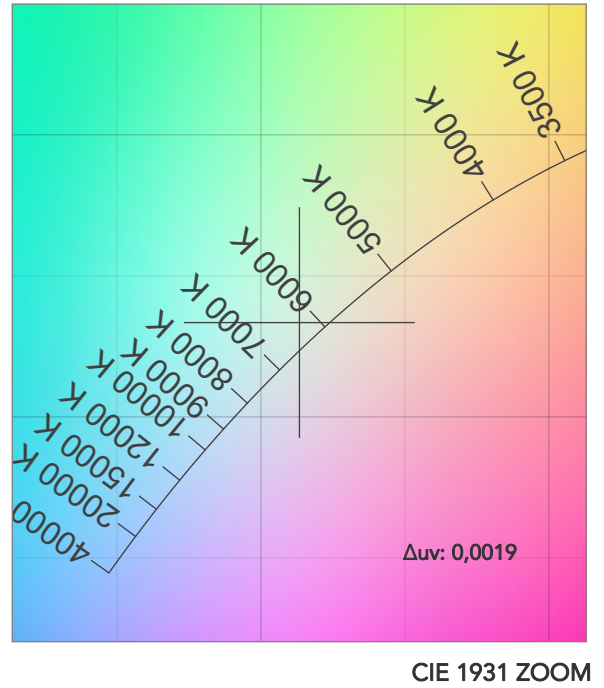
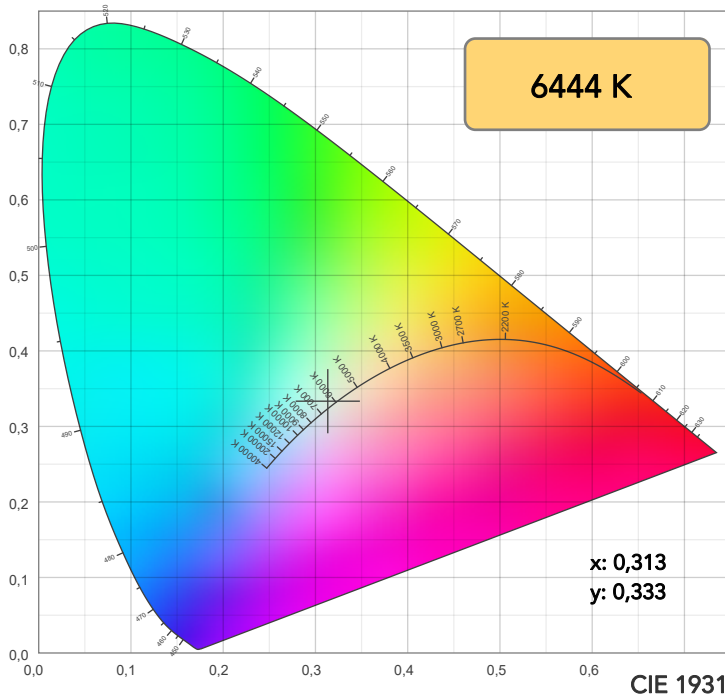
Field angle 10%: 108,3°

Cut off angle 2.5%: 142,2°

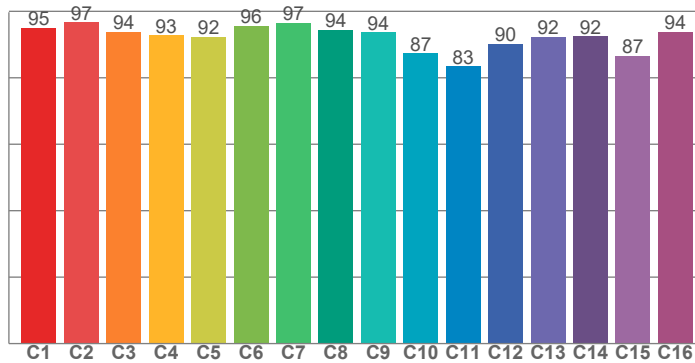
Spectra



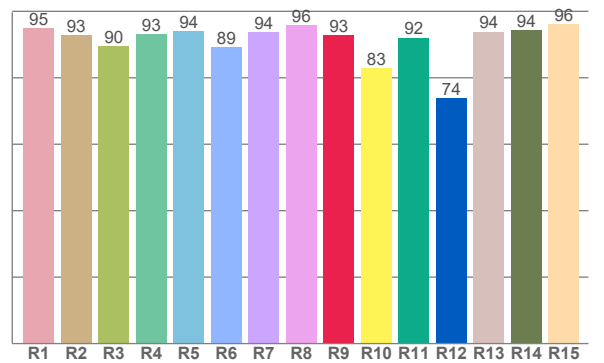
COLOR DETAILS



TM30: 92,3



CRI: 92,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,9	92,8	89,6	93,2	94,1	89,2	93,8	95,8	92,9	82,9	92,1	73,9	93,9	94,4	96,0

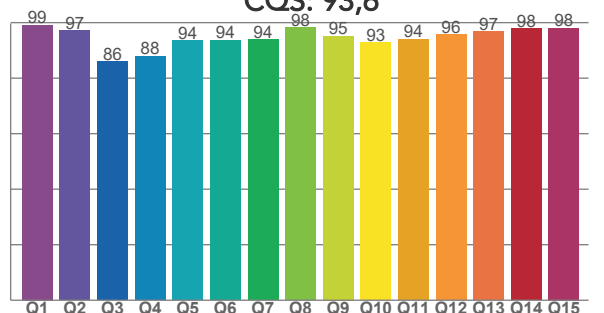
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,1	96,7	93,9	92,8	92,3	95,6	96,6	94,4	93,7	87,4	83,4	90,2	92,3	92,5	86,7	93,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,1	97,2	86,0	87,9	93,5	93,7	94,0	98,3	95,2	92,9	94,0	95,7	96,8	97,8	98,1

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
6444 K	92,9	92,9	92,3	101,7	93,6	98	0,313	0,333	0,0019

TM30 DETAILS

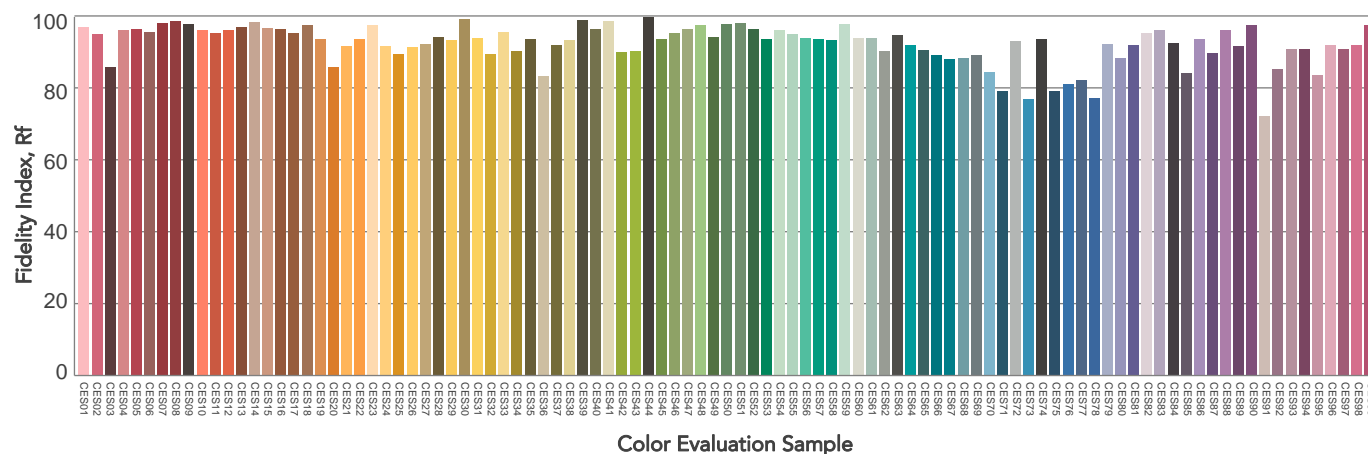
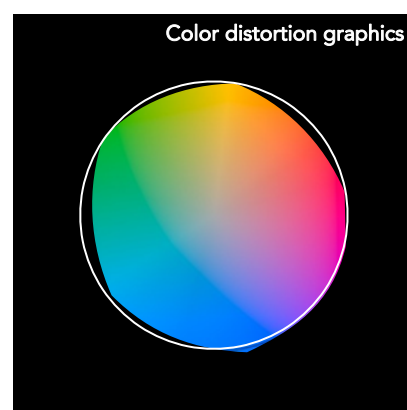
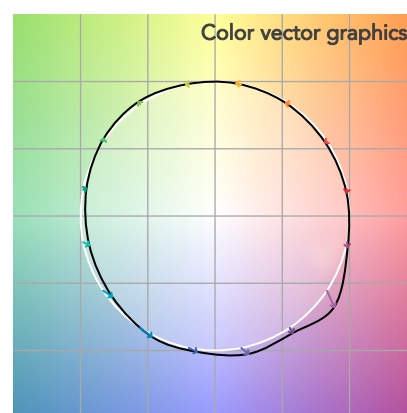
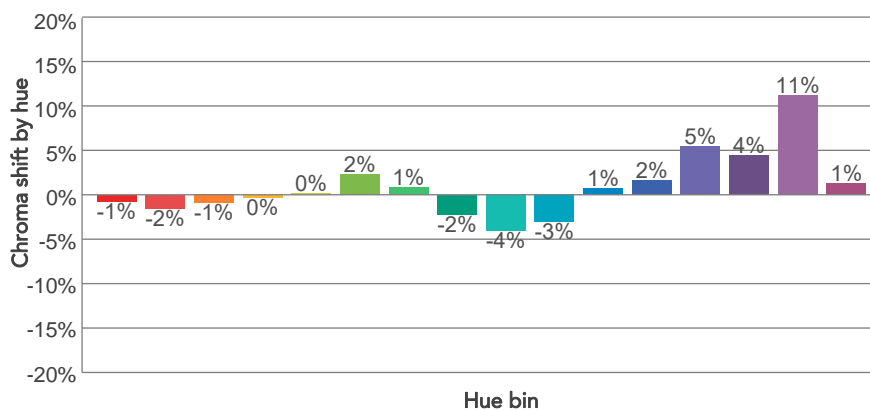
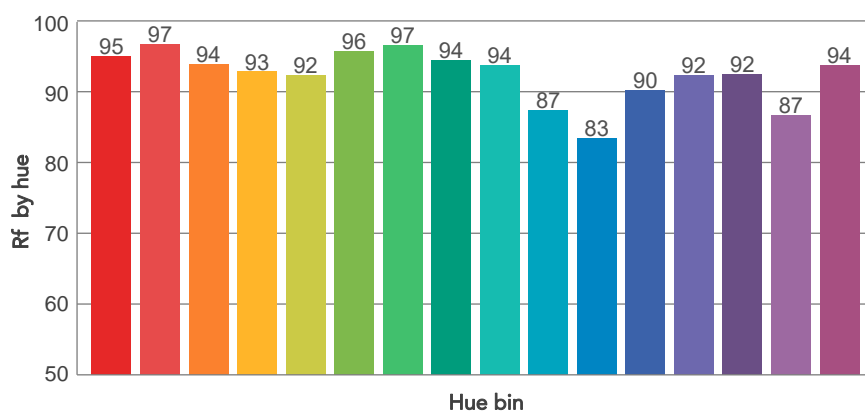
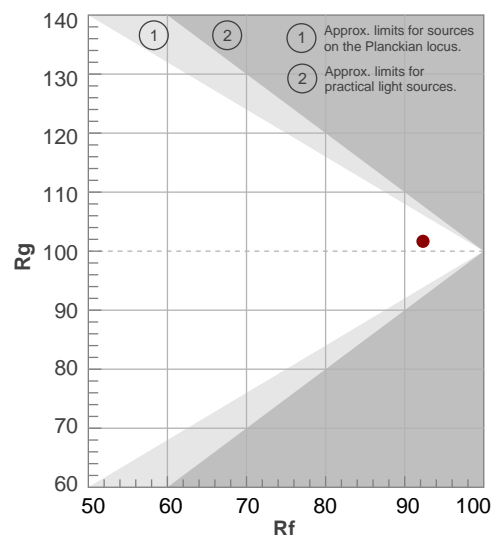
Rf 92,3

Fidelity index R_f

Rg 101,7

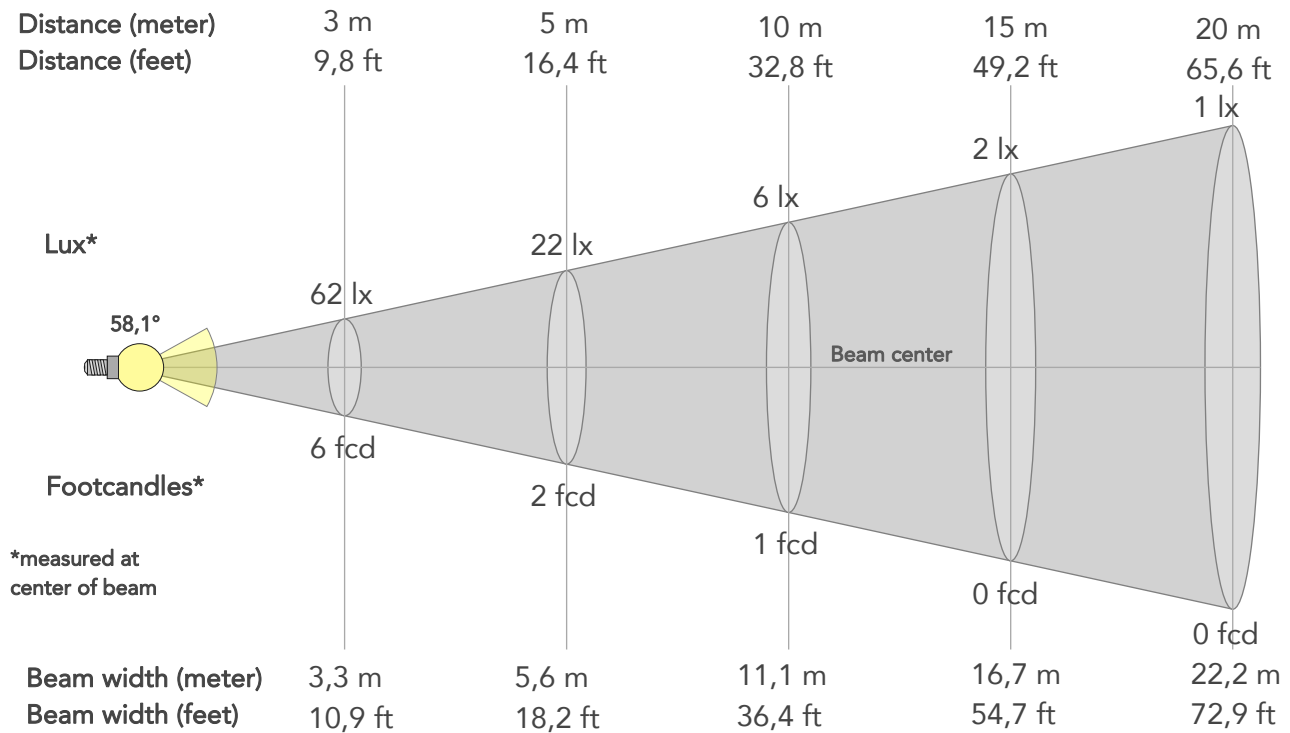
Gammut index

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	95	-1%	-2%
2	97	-2%	0%
3	94	-1%	3%
4	93	0%	4%
5	92	0%	2%
6	96	2%	0%
7	97	1%	-2%
8	94	-2%	-1%
9	94	-4%	3%
10	87	-3%	7%
11	83	1%	11%
12	90	2%	7%
13	92	5%	4%
14	92	4%	0%
15	87	11%	-7%
16	94	1%	-3%



BEAM DETAILS

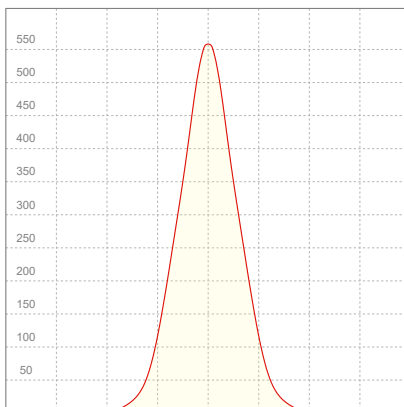
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,1°	108,3°	142,2°	94,2%	80,5%



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	556lx	139lx	62lx	35lx	22lx	10lx	6lx	2lx	1lx	1lx	1lx	0lx	0lx
Footcand.	52fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	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	33,3m	44,4m	55,5m
Beam wid.	3,7ft	7,3ft	10,9ft	14,6ft	18,2ft	27,3ft	36,4ft	54,7ft	72,9ft	91,1ft	109,3ft	145,7ft	182,2ft

LINEAR DISTRIBUTION DIAGRAM

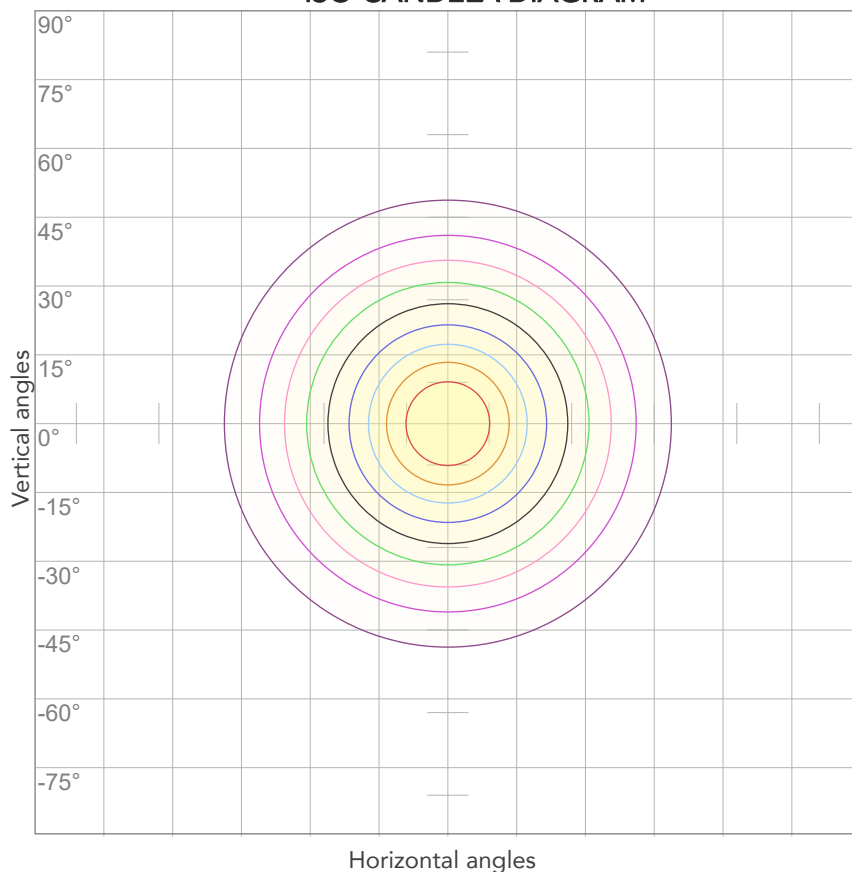


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
230V	0,081A	13,3W	0,71	47lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



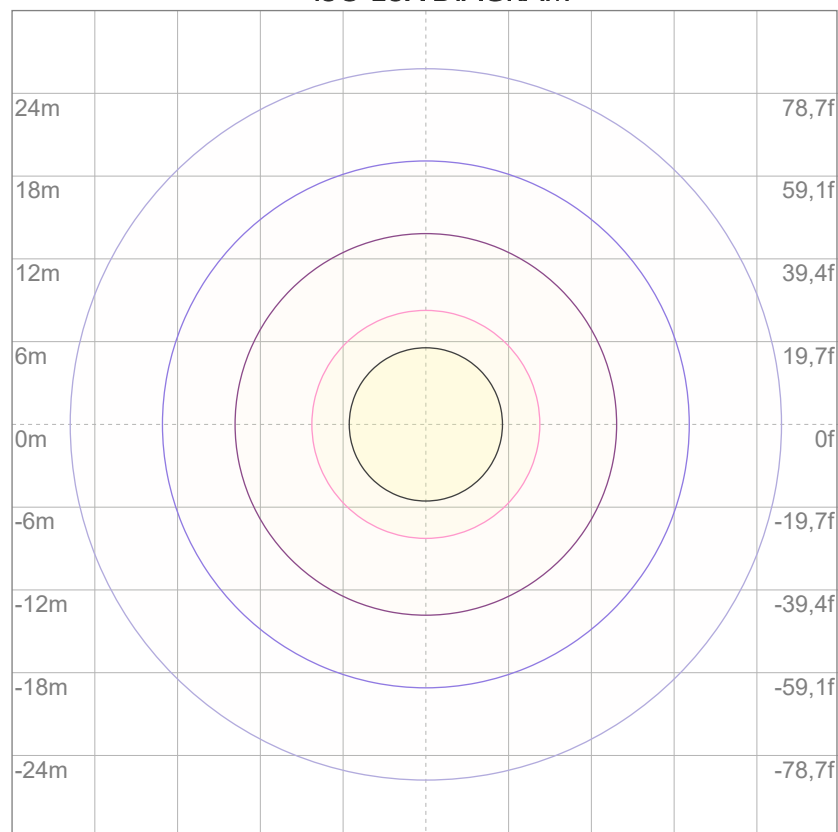
10%	56 cd
20%	111 cd
30%	167 cd
40%	223 cd
50%	278 cd
60%	334 cd
70%	389 cd
80%	445 cd

Conditions:

Number of c-planes: 2

Candela at center: 556 cd

ISO LUX DIAGRAM



3%	0,167 lx
5%	0,278 lx
10%	0,556 lx
30%	1,67 lx
50%	2,78 lx

Conditions:

Number of c-planes: 2

Lux at center: 5,56 lx

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



Total lumen output:

954 lm

Peak candela output:

1979 cd

Light quality:

CRI: 92,9

Color temperature:

6387 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

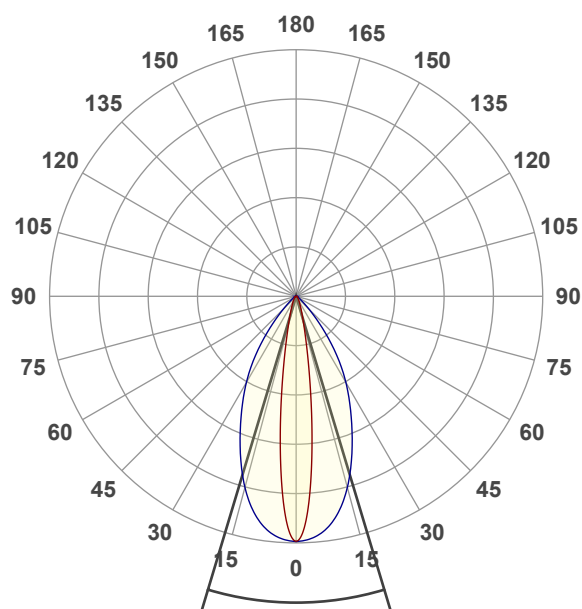
6500K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 13:14:58

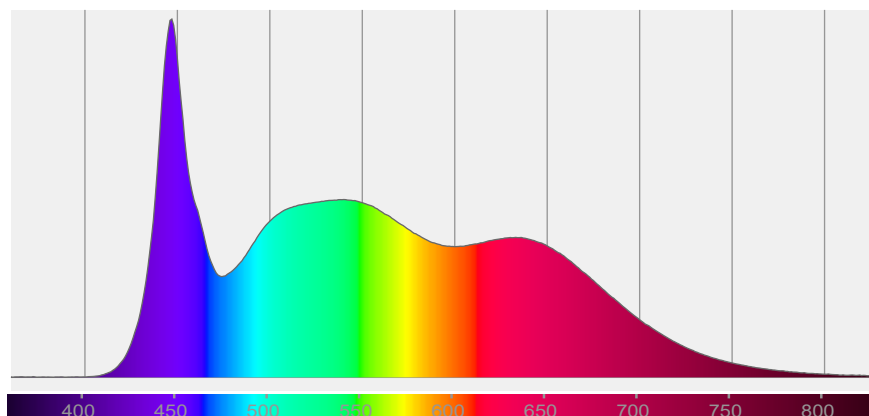


Beam angle 50%: 33,5°

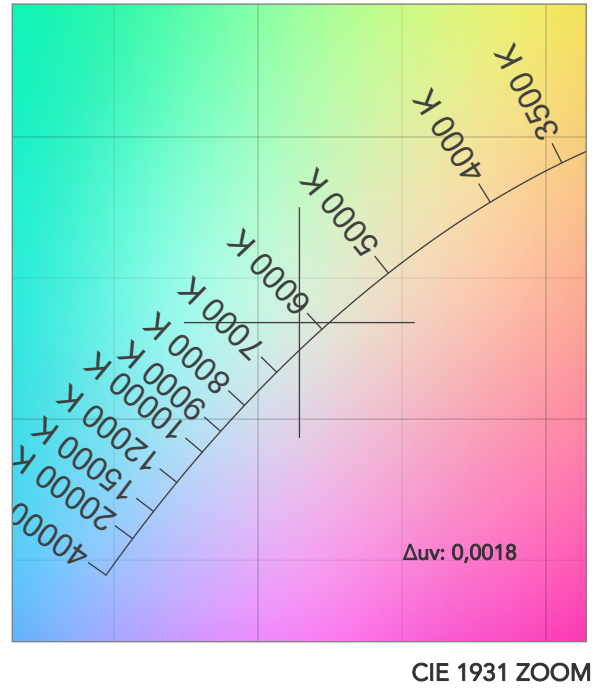
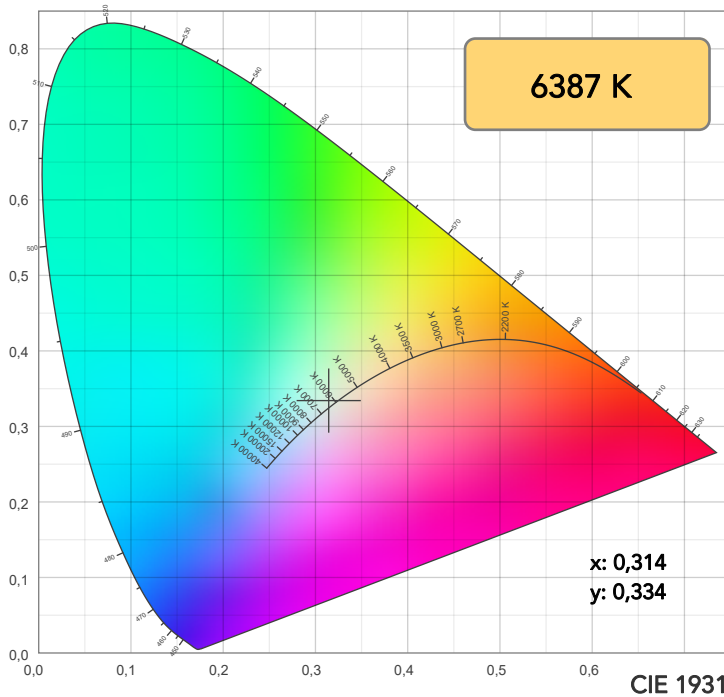
Field angle 10%: 59,4°

Cut off angle 2.5%: 82,5°

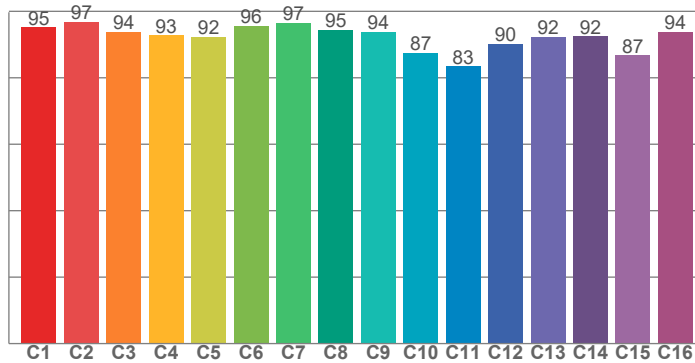
Spectra



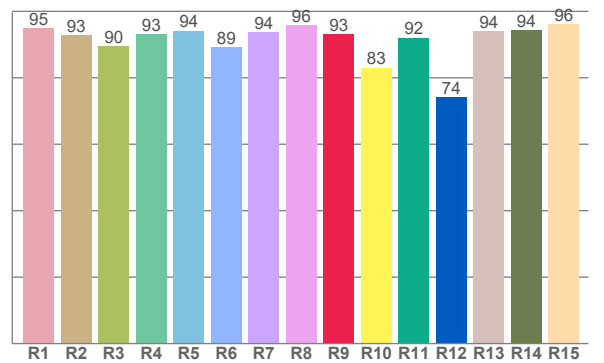
COLOR DETAILS



TM30: 92,3



CRI: 92,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,0	92,9	89,6	93,2	94,2	89,2	93,7	95,8	93,1	83,0	92,1	74,1	94,0	94,3	96,2

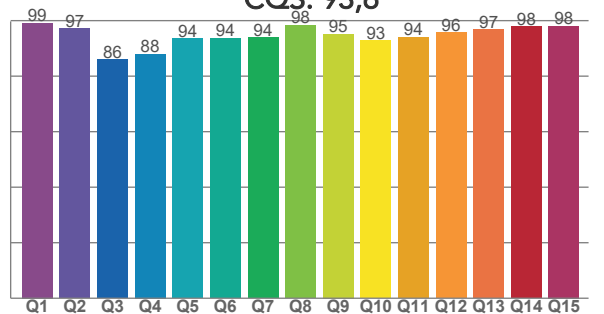
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,1	96,8	93,8	92,8	92,3	95,6	96,5	94,5	93,7	87,5	83,4	90,2	92,3	92,4	86,8	93,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,1	97,2	86,0	87,9	93,6	93,6	93,9	98,3	95,2	92,8	94,0	95,8	96,8	97,9	98,0

CQS: 93,6



COLOR PARAMETERS

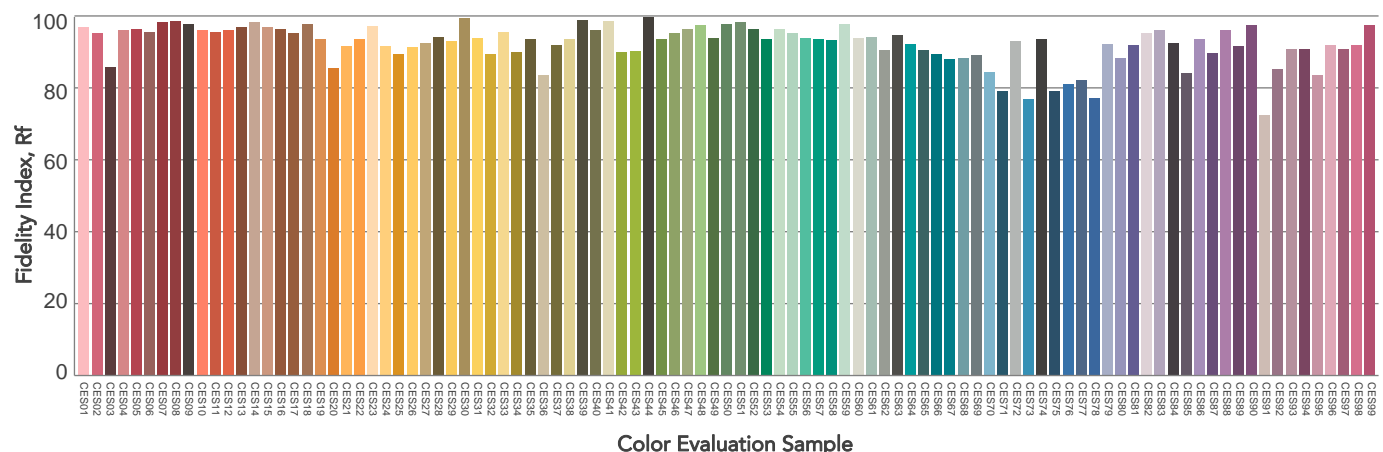
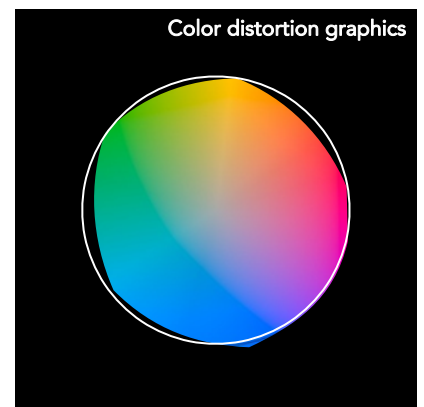
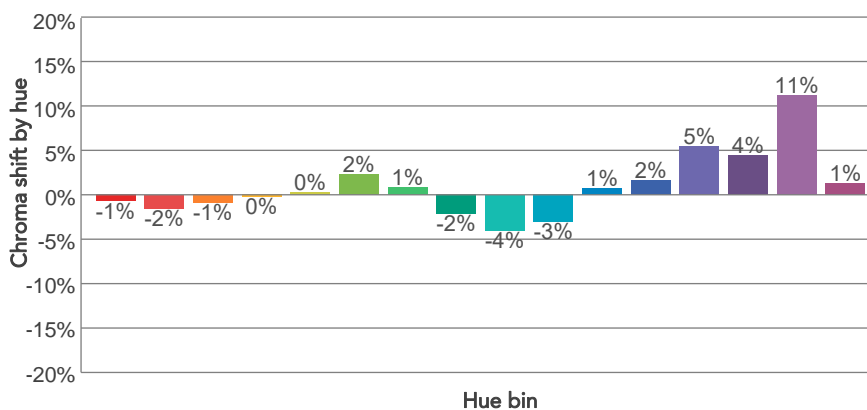
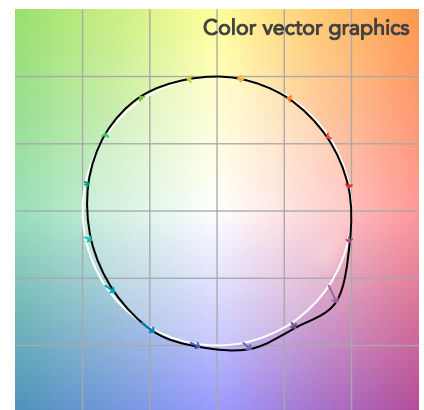
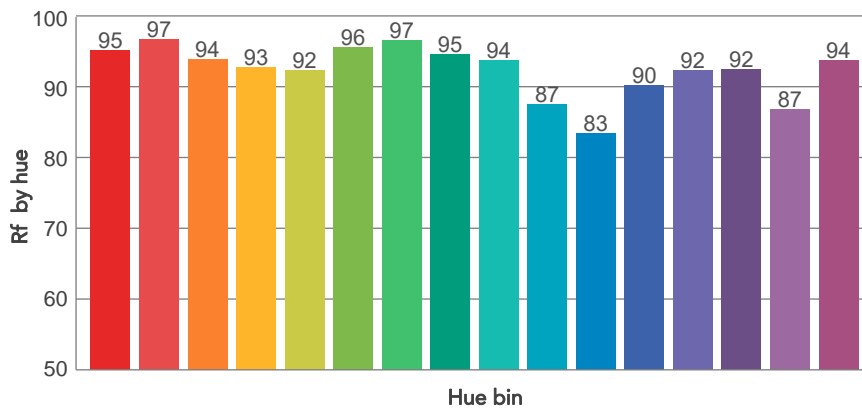
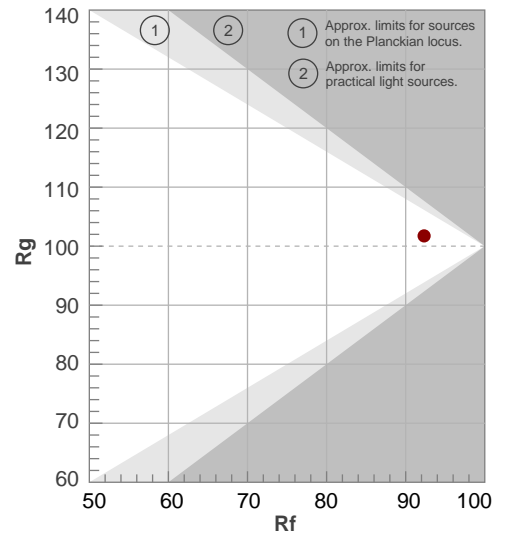
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6387 K	92,9	93,1	92,3	101,7	93,6	98	0,314	0,334	0,0018

TM30 DETAILS

Rf 92,3
Fidelity index Rf

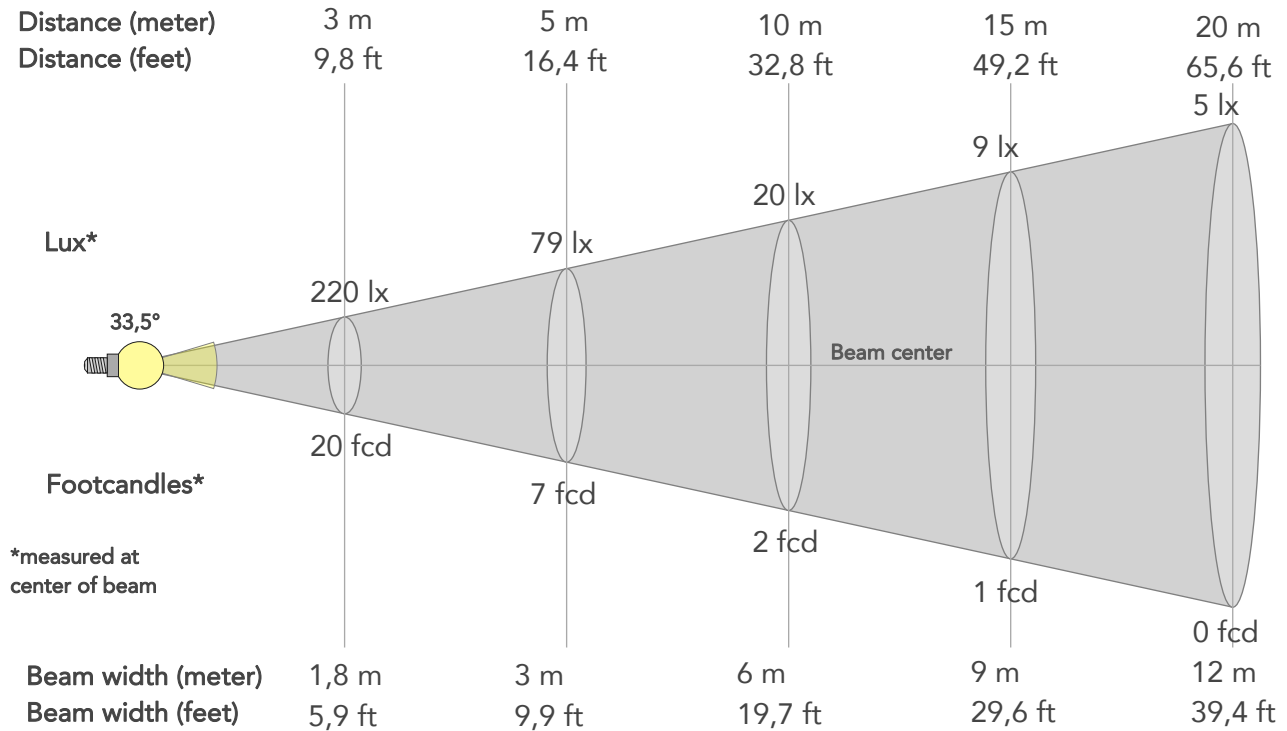
Rg 101,7
Gammut index

		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	95	-1%	-2%
2	97	-2%	0%
3	94	-1%	3%
4	93	0%	4%
5	92	0%	2%
6	96	2%	0%
7	97	1%	-2%
8	95	-2%	-1%
9	94	-4%	3%
10	87	-3%	7%
11	83	1%	11%
12	90	2%	7%
13	92	5%	4%
14	92	4%	0%
15	87	11%	-7%
16	94	1%	-3%



BEAM DETAILS

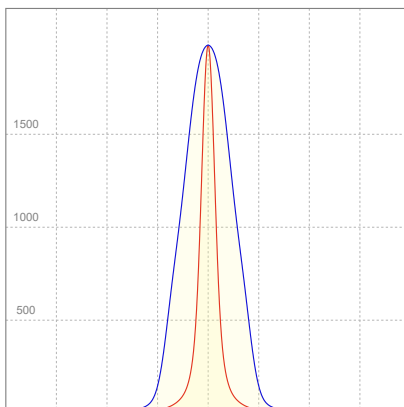
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,5°	59,4°	82,5°	97,6%	92,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1977lx	494lx	220lx	124lx	79lx	35lx	20lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	184fcd	46fcd	20fcd	11fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30,1m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,8ft	19,7ft	29,6ft	39,4ft	49,3ft	59,2ft	78,9ft	98,6ft

LINEAR DISTRIBUTION DIAGRAM

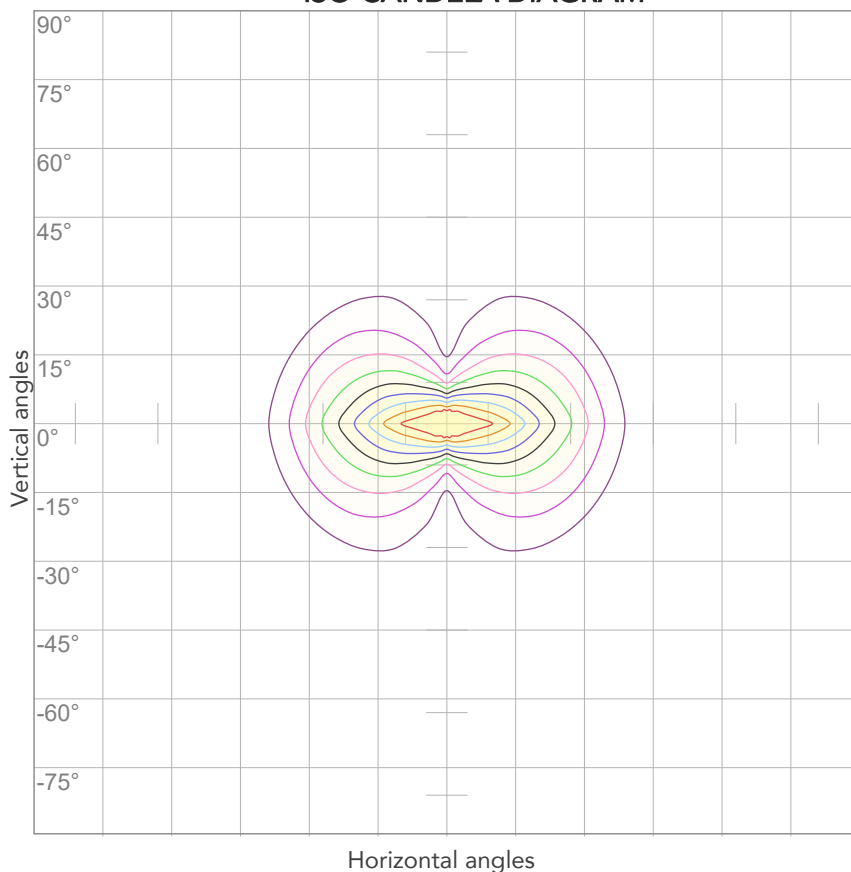


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,081A	13,2W	0,73	72lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



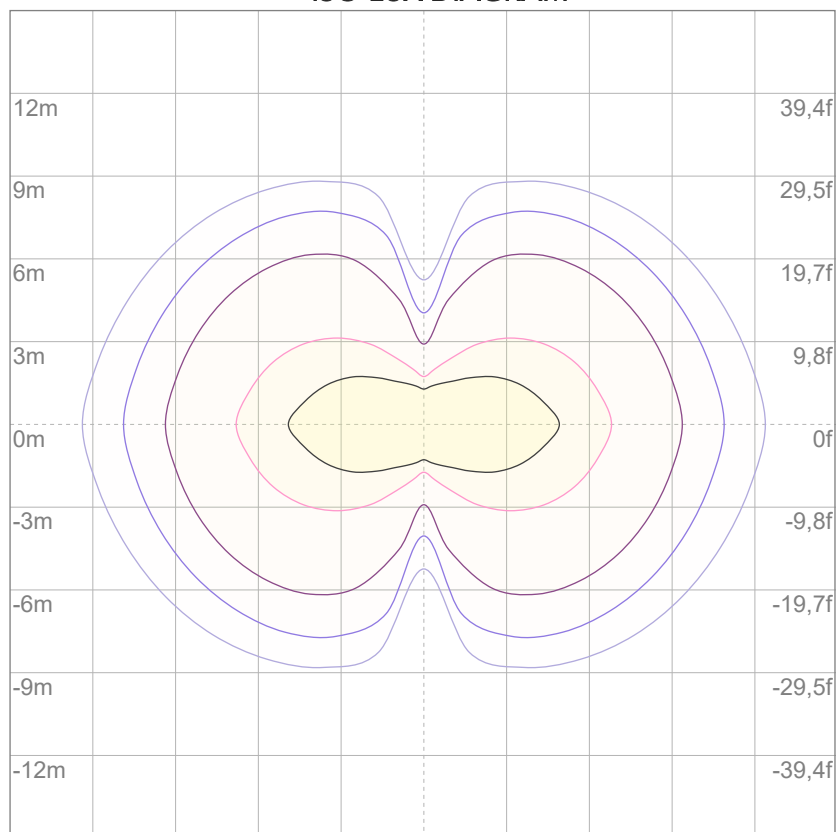
10%	198 cd
20%	395 cd
30%	593 cd
40%	791 cd
50%	989 cd
60%	1186 cd
70%	1384 cd
80%	1582 cd

Conditions:

Number of c-planes: 4

Candela at center: 1977 cd

ISO LUX DIAGRAM



3%	0,593 lx
5%	0,989 lx
10%	1,98 lx
30%	5,93 lx
50%	9,89 lx

Conditions:

Number of c-planes: 4

Lux at center: 19,8 lx

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



Total lumen output:

582 lm

Peak candela output:

977 cd

Light quality:

CRI: 92,9

Color temperature:

6448 K

PRODUCT NAME:

ARCSPOTXS VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

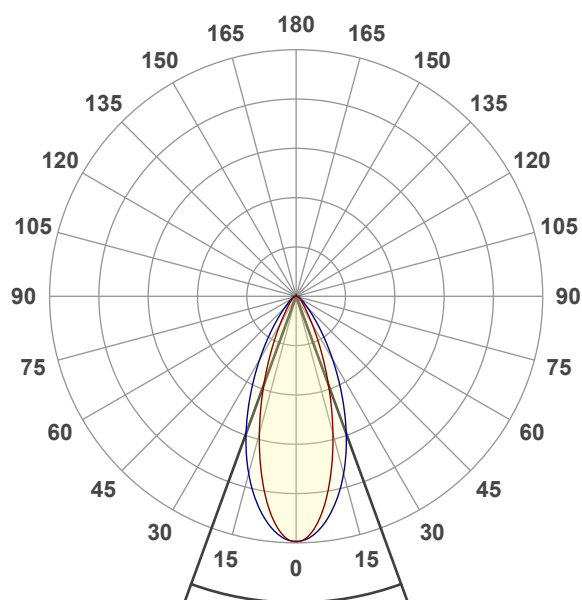
6500K

Operator:

Salvatore Giglio

Date and time:

29/02/2024 15:05:34

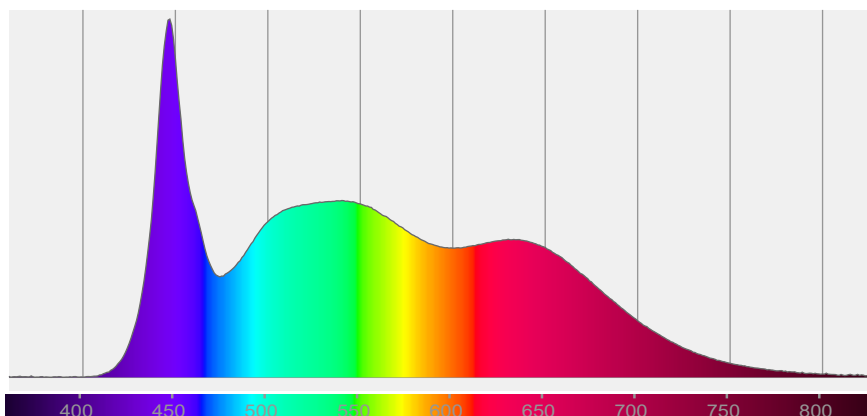


Beam angle 50%: 40,1°

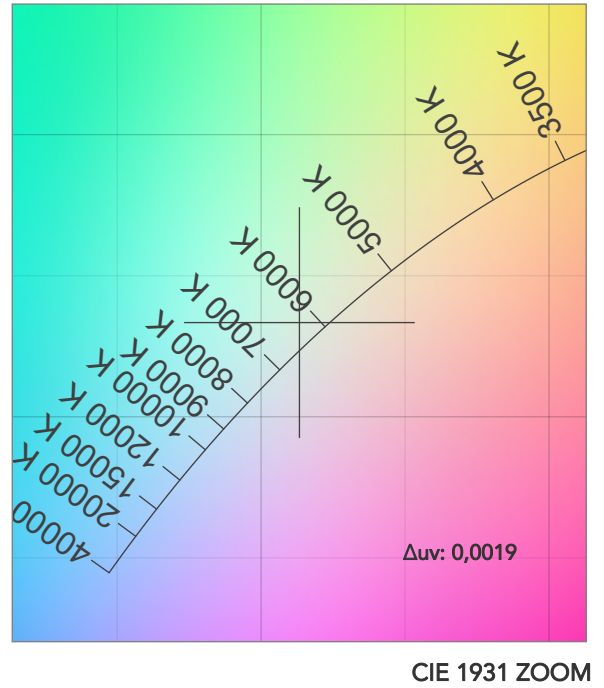
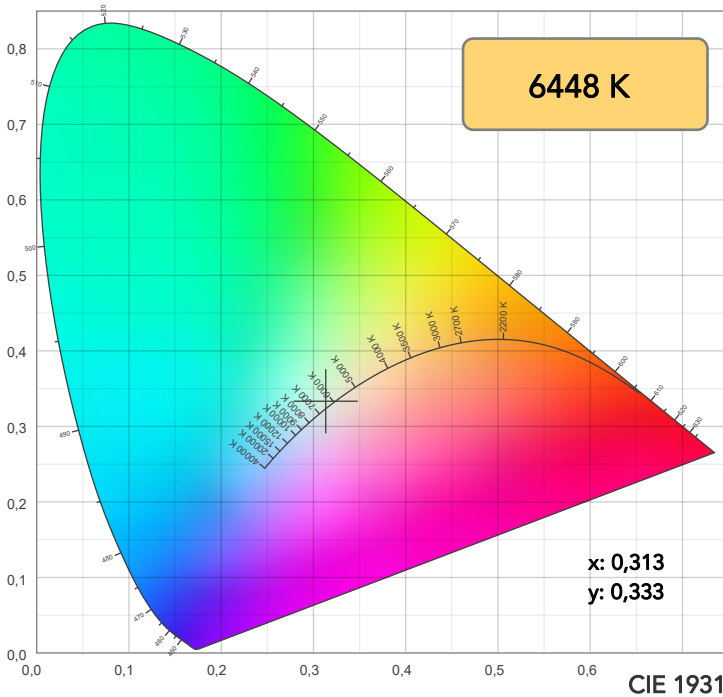
Field angle 10%: 73,3°

Cut off angle 2.5%: 108,2°

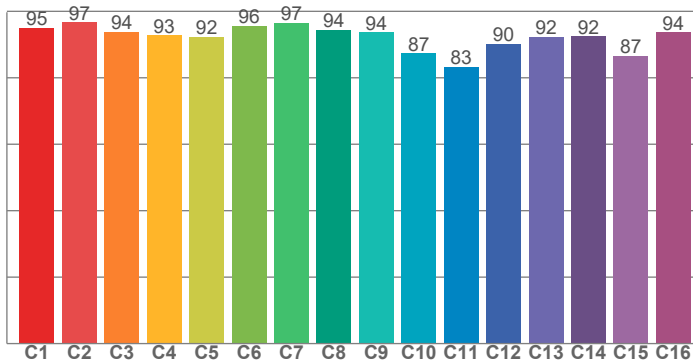
Spectra



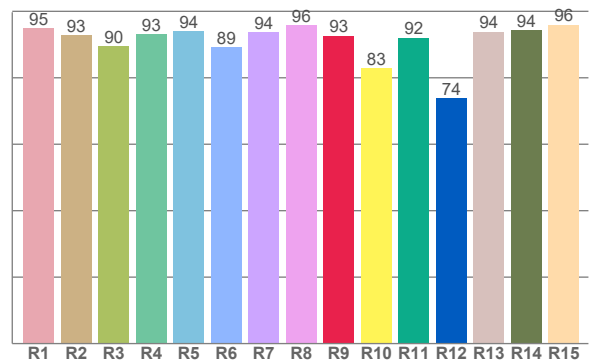
COLOR DETAILS



TM30: 92,3



CRI: 92,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,9	92,8	89,6	93,2	94,0	89,1	93,8	95,8	92,7	82,8	92,1	73,9	93,9	94,4	96,0

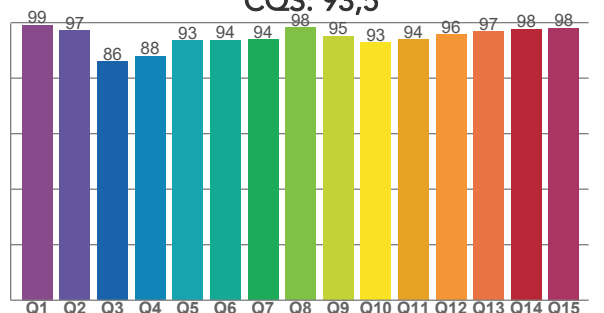
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,0	96,7	93,8	92,8	92,3	95,6	96,6	94,4	93,7	87,3	83,3	90,2	92,3	92,4	86,7	93,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,1	97,2	86,0	87,9	93,5	93,6	93,9	98,3	95,2	92,8	94,0	95,7	96,8	97,8	98,0

CQS: 93,5



COLOR PARAMETERS

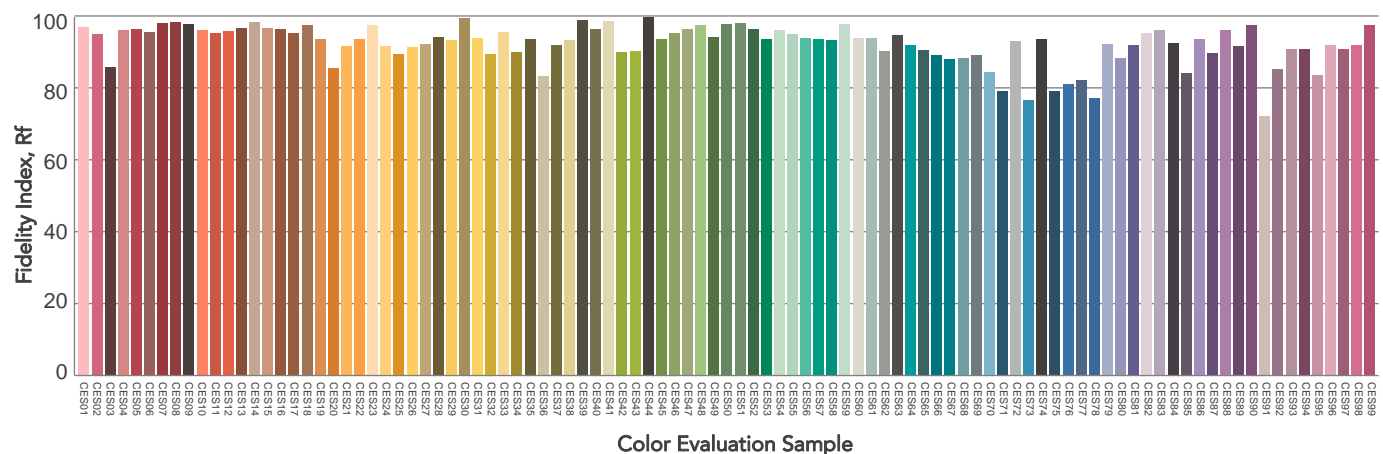
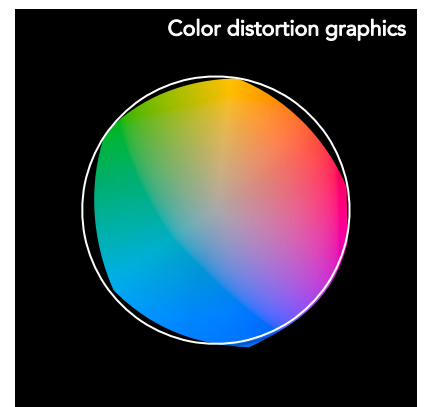
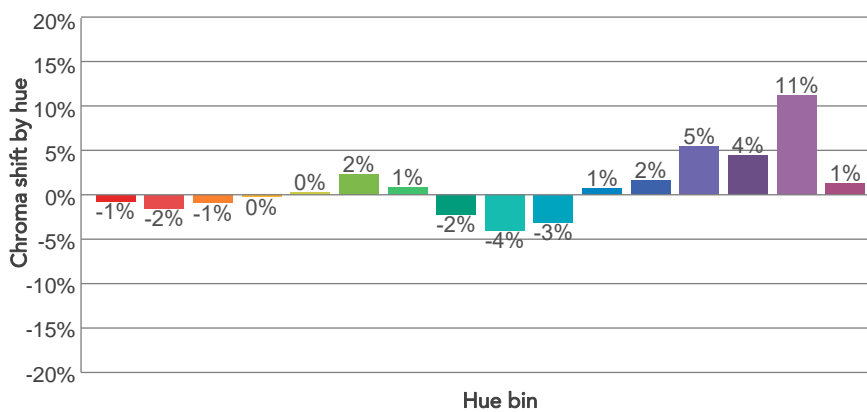
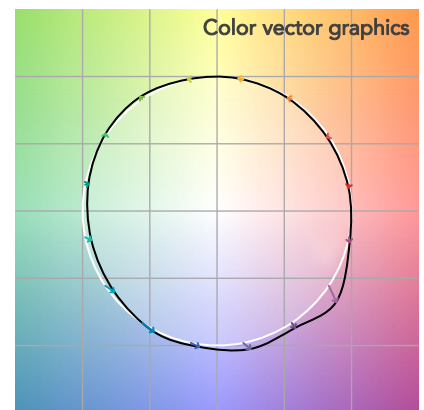
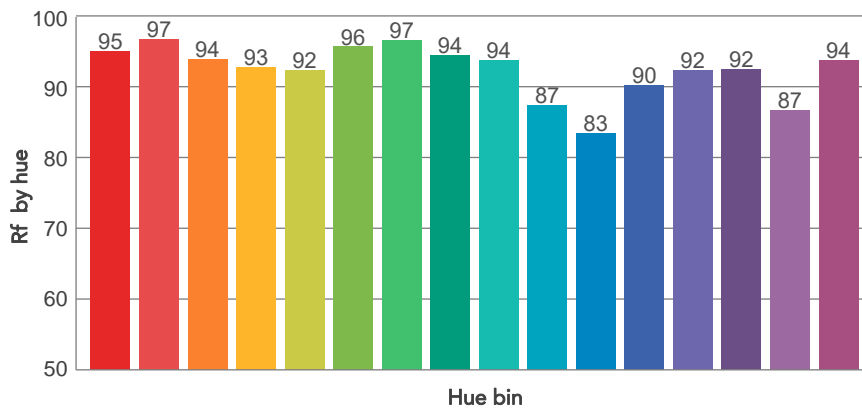
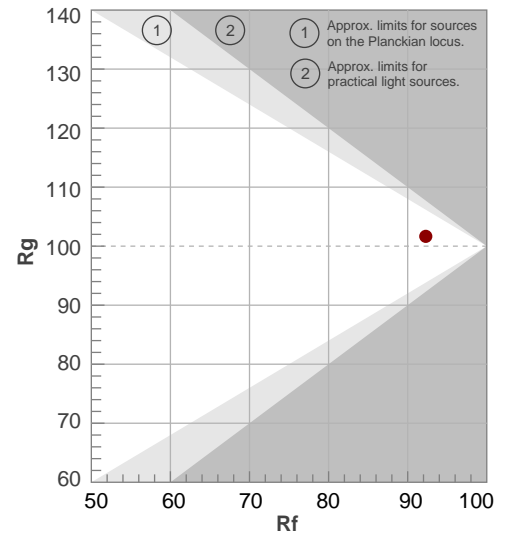
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6448 K	92,9	92,7	92,3	101,7	93,5	98	0,313	0,333	0,0019

TM30 DETAILS

Rf 92,3
Fidelity index Rf

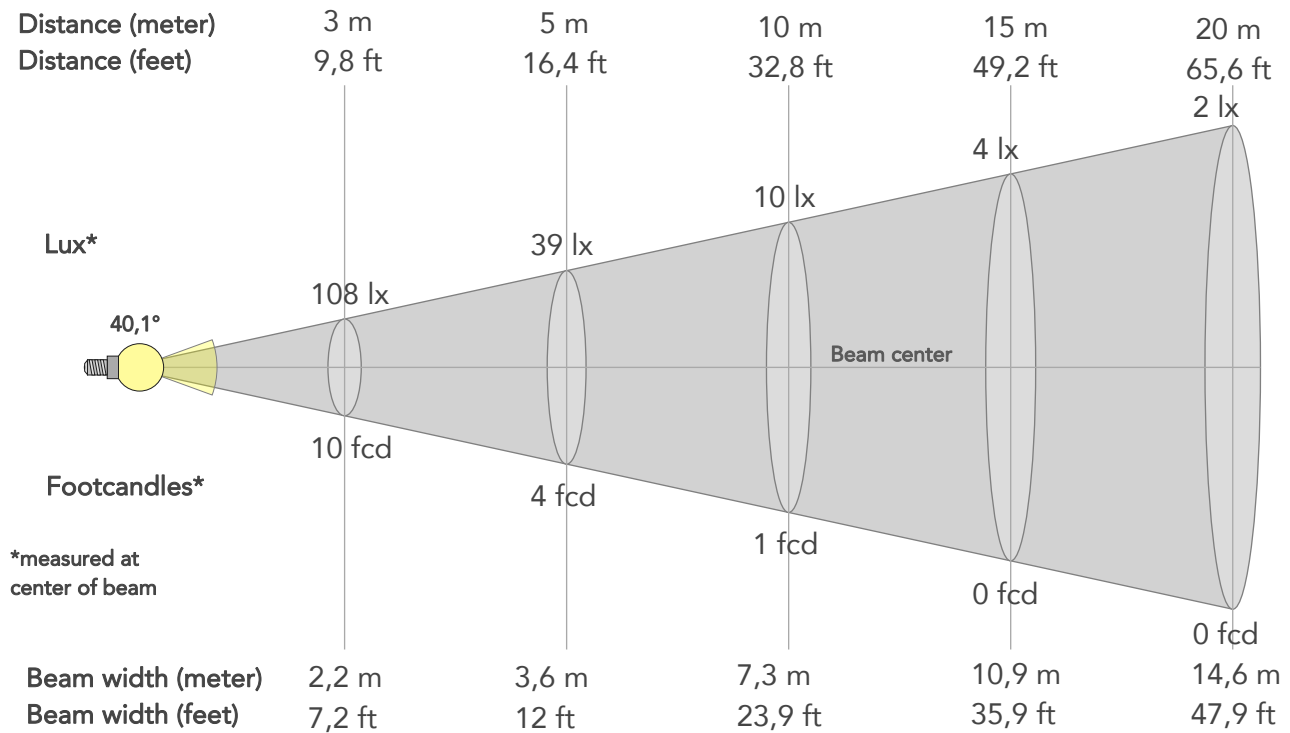
Rg 101,7
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-2%
2	97	-2%	0%
3	94	-1%	3%
4	93	0%	4%
5	92	0%	2%
6	96	2%	0%
7	97	1%	-2%
8	94	-2%	-1%
9	94	-4%	3%
10	87	-3%	7%
11	83	1%	11%
12	90	2%	7%
13	92	5%	4%
14	92	4%	0%
15	87	11%	-7%
16	94	1%	-4%



BEAM DETAILS

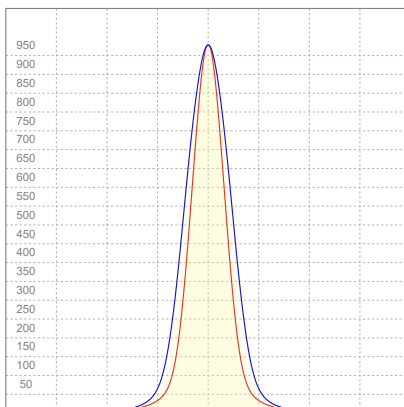
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40,1°	73,3°	108,2°	95,6%	89,0%



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	976lx	244lx	108lx	61lx	39lx	17lx	10lx	4lx	2lx	2lx	1lx	1lx	0lx
Footcand.	91fcd	23fcd	10fcd	6fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	2,9m	3,6m	5,5m	7,3m	10,9m	14,6m	18,2m	21,9m	29,2m	36,5m
Beam wid.	2,4ft	4,8ft	7,2ft	9,6ft	12ft	18ft	23,9ft	35,9ft	47,9ft	59,8ft	71,8ft	95,7ft	119,7ft

LINEAR DISTRIBUTION DIAGRAM

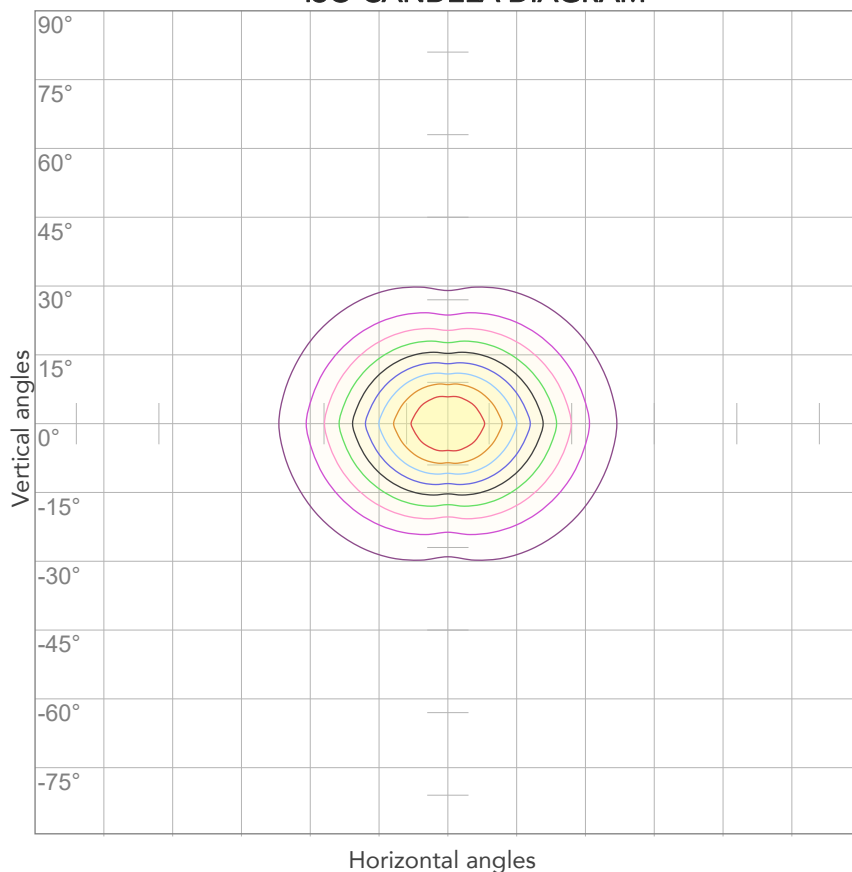


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,081A	13,3W	0,72	44lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



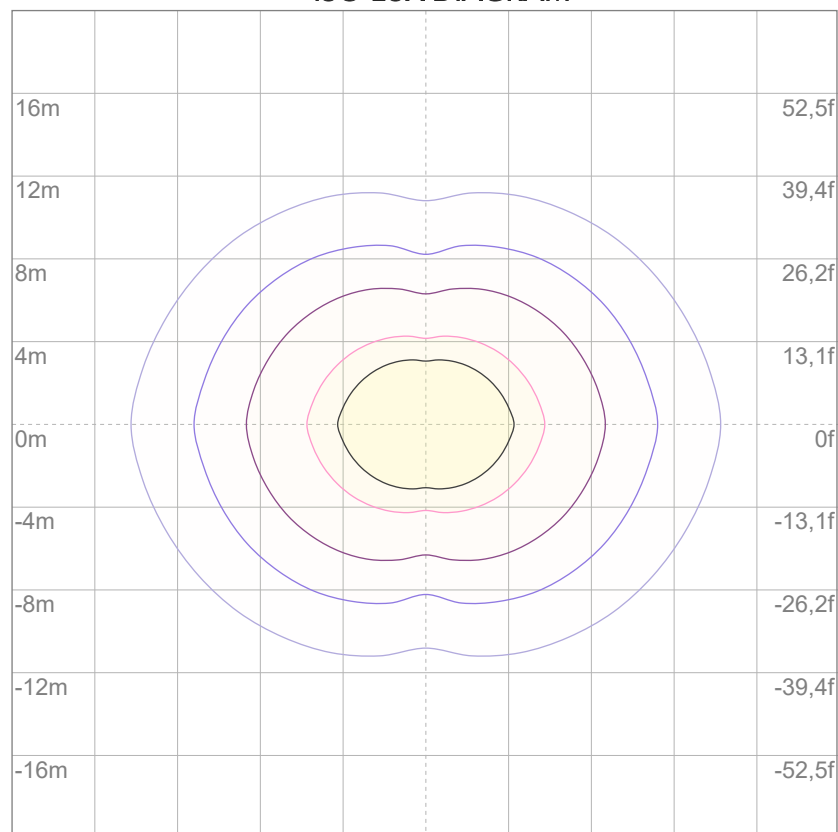
10%	98 cd
20%	195 cd
30%	293 cd
40%	391 cd
50%	488 cd
60%	586 cd
70%	683 cd
80%	781 cd

Conditions:

Number of c-planes: 4

Candela at center: 976 cd

ISO LUX DIAGRAM



3%	0,293 lx
5%	0,488 lx
10%	0,976 lx
30%	2,93 lx
50%	4,88 lx

Conditions:

Number of c-planes: 4

Lux at center: 9,76 lx

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