



Photometric Test Report



ARCSPOTDOTVW

IP66 Spot featuring 690 lumen with

1 x 20W Variable White source,

5° native

(PRELIMINARY)

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Beam angle 5°+60° Filter	120
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Color preset 5600K

Beam angle 5°	135
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Beam angle 5°+40° Filter	145
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Beam angle 5°+10°x60° Filter	155
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Color preset 6500K

Beam angle 5°	175
Beam angle 5°+20° Filter	180
Beam angle 5°+40° Filter	185
Beam angle 5°+60° Filter	190
Beam angle 5°+10°x60° Filter	195
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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:

690 lm

Peak candela output:

59243 cd

Light quality:

CRI: 95,8

Color temperature:

4461 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°

Target:

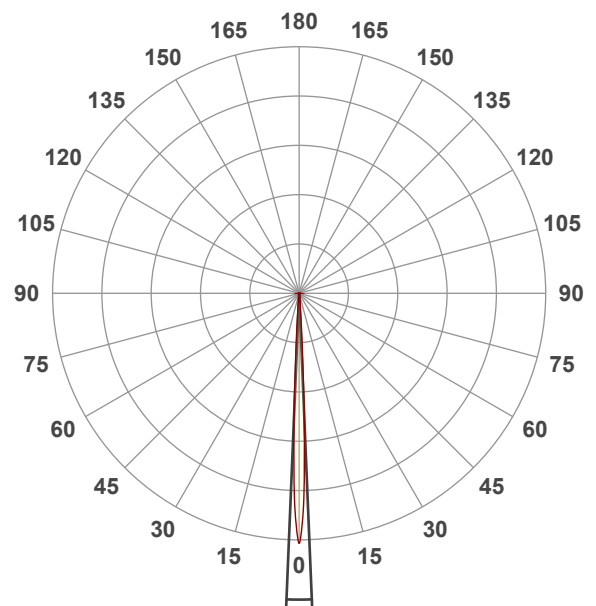
Full On

Operator:

Salvatore Giglio

Date and time:

04/01/2024 12:28:16

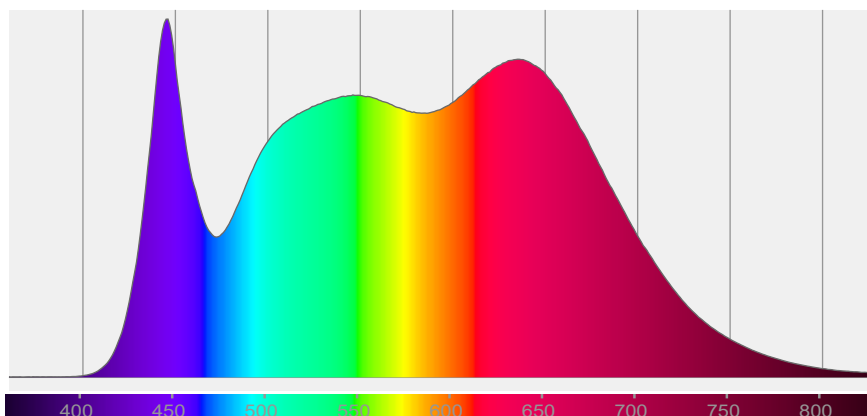


Beam angle 50%: 4,7°

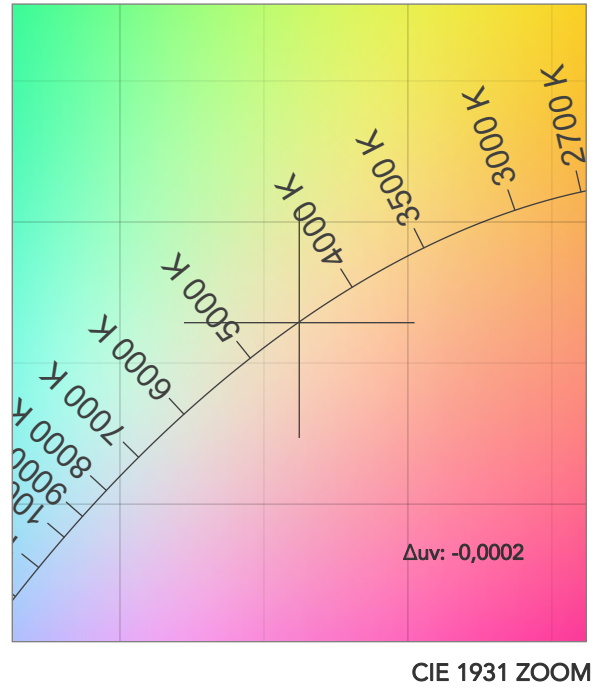
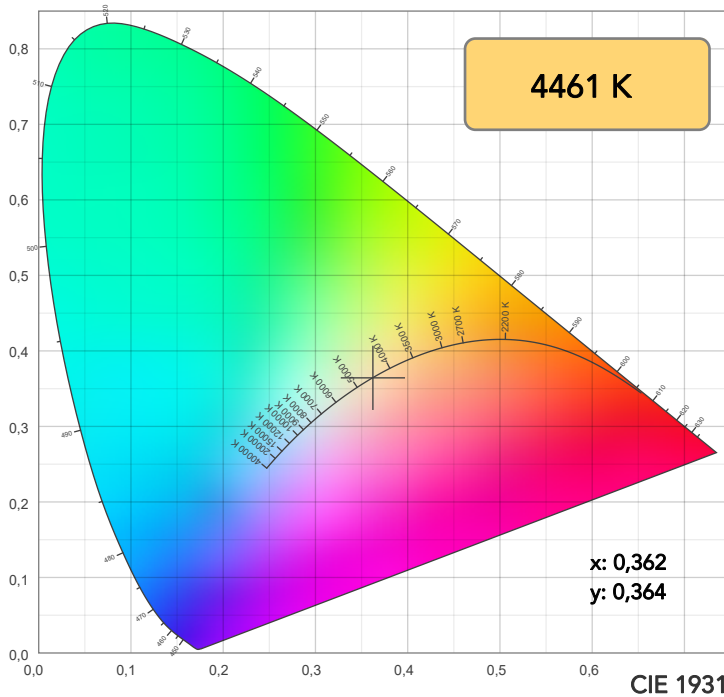
Field angle 10%: 8,4°

Cut off angle 2.5%: 12°

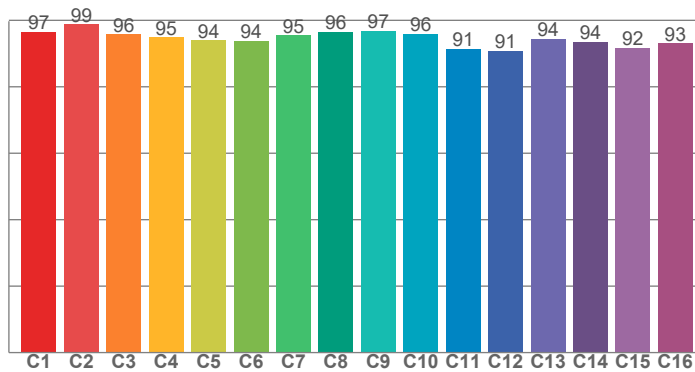
Spectra



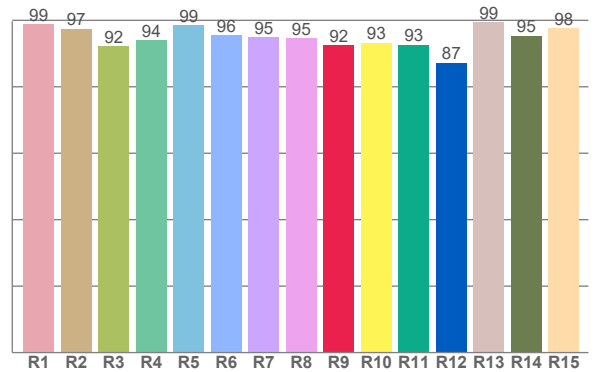
COLOR DETAILS



TM30: 94,8



CRI: 95,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,8	97,5	92,3	94,0	98,6	95,5	94,9	94,5	92,4	93,3	92,6	87,2	99,5	95,3	97,7

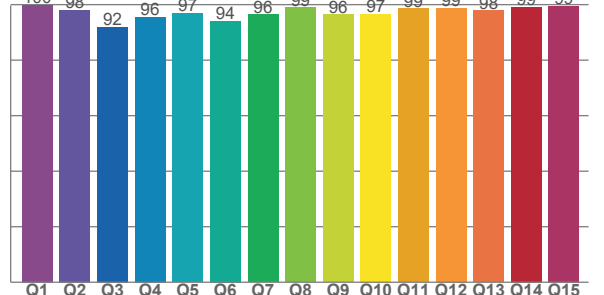
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 96,6



COLOR PARAMETERS

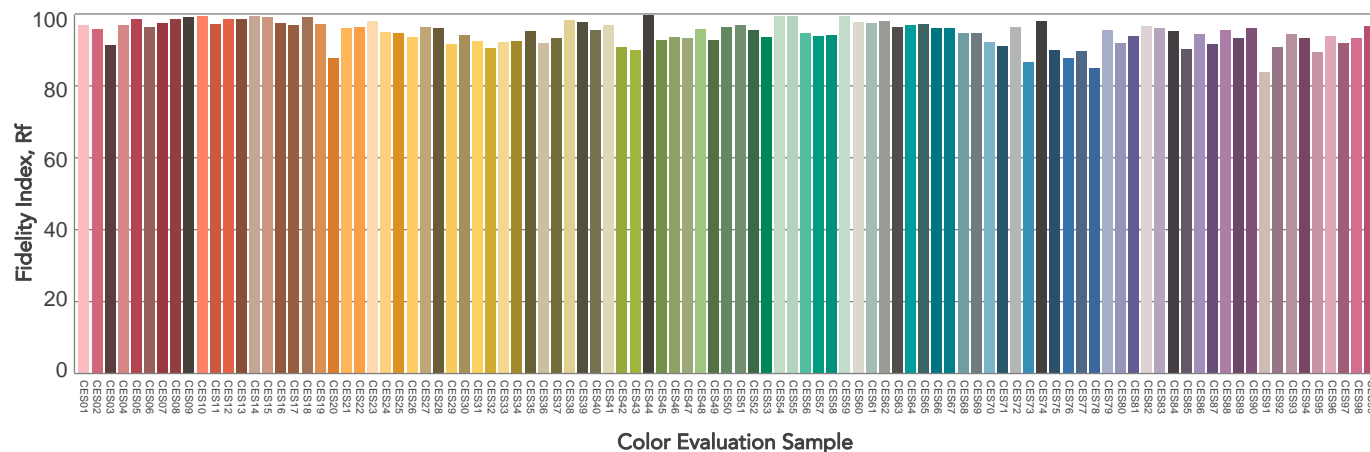
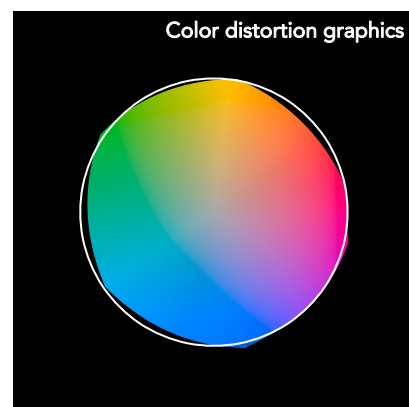
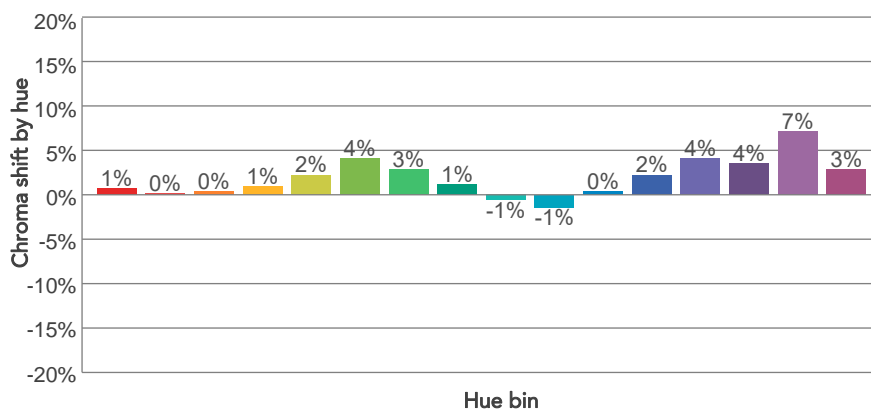
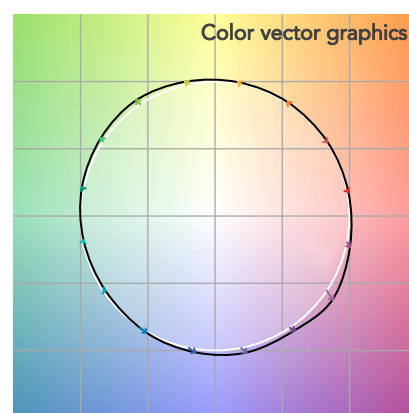
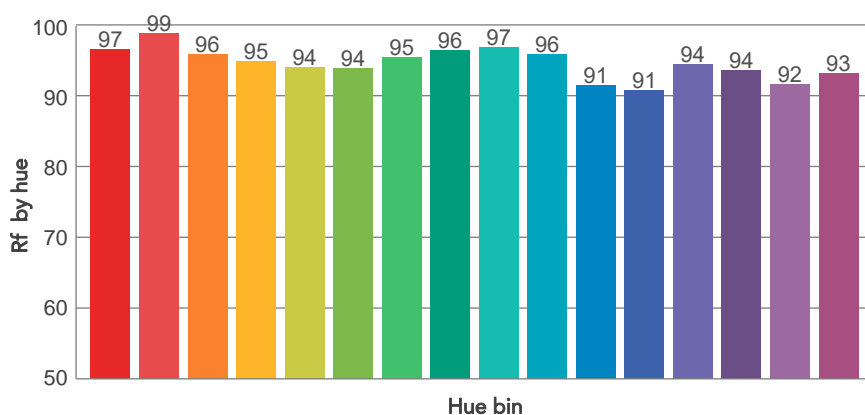
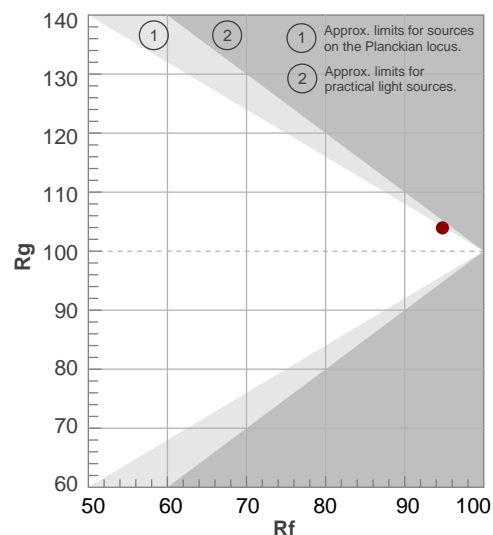
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4461 K	95,8	92,4	94,8	103,9	96,6	98	0,362	0,364	-0,0002

TM30 DETAILS

Rf 94,8
Fidelity index Rf

Rg 103,9
Gammut index

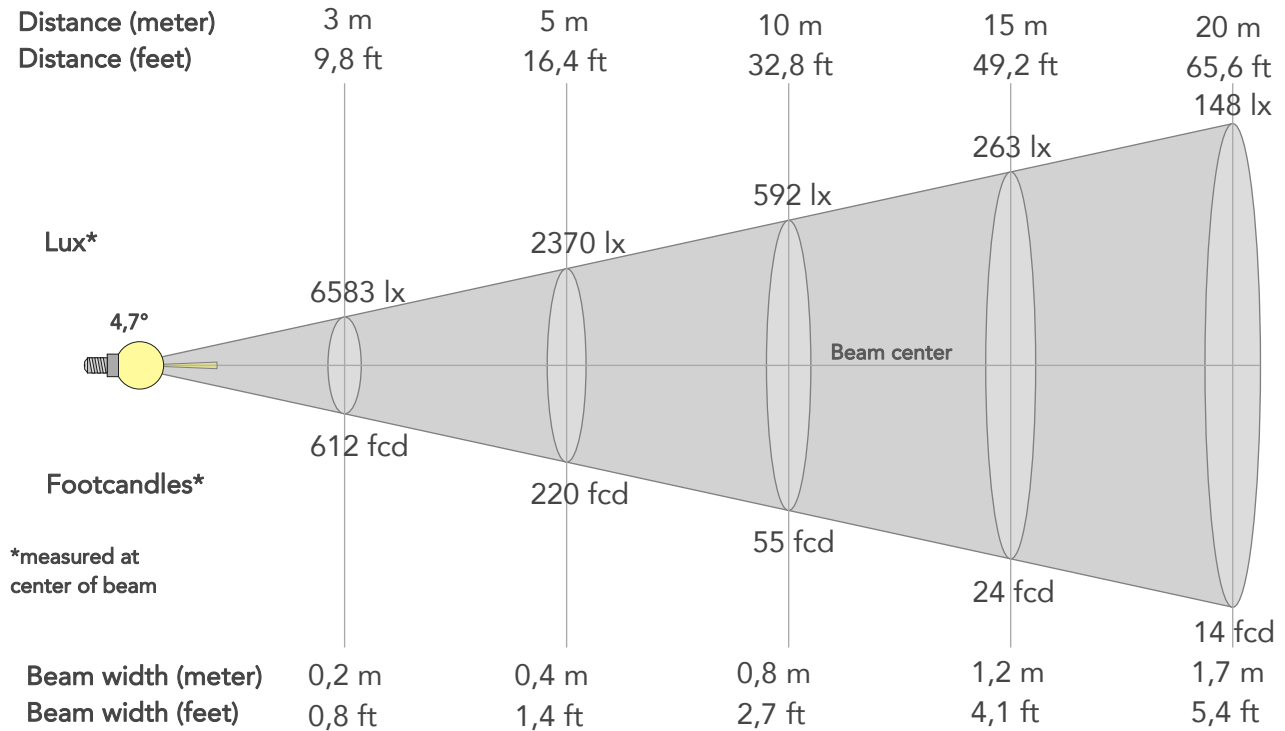
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-2%
2	99	0%	0%
3	96	0%	2%
4	95	1%	3%
5	94	2%	2%
6	94	4%	1%
7	95	3%	-1%
8	96	1%	-2%
9	97	-1%	-1%
10	96	-1%	1%
11	91	0%	5%
12	91	2%	5%
13	94	4%	3%
14	94	4%	2%
15	92	7%	-3%
16	93	3%	-3%



BEAM DETAILS



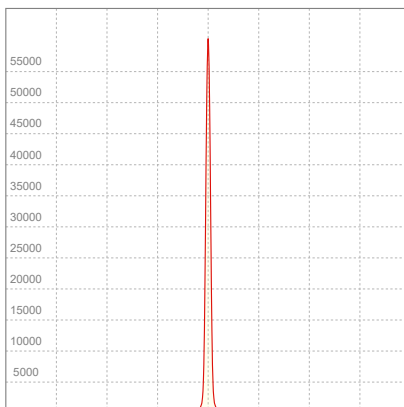
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,7°	8,4°	12°	97,3%	94,9%



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	59243lx	14811lx	6583lx	3703lx	2370lx	1053lx	592lx	263lx	148lx	95lx	66lx	37lx	24lx
Footcand.	5504fcd	1376fcd	612fcd	344fcd	220fcd	98fcd	55fcd	24fcd	14fcd	9fcd	6fcd	3fcd	2fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,2m	1,7m	2,1m	2,5m	3,3m	4,1m
Beam wid.	0,3ft	0,5ft	0,8ft	1,1ft	1,4ft	2ft	2,7ft	4,1ft	5,4ft	6,8ft	8,1ft	10,9ft	13,6ft

LINEAR DISTRIBUTION DIAGRAM

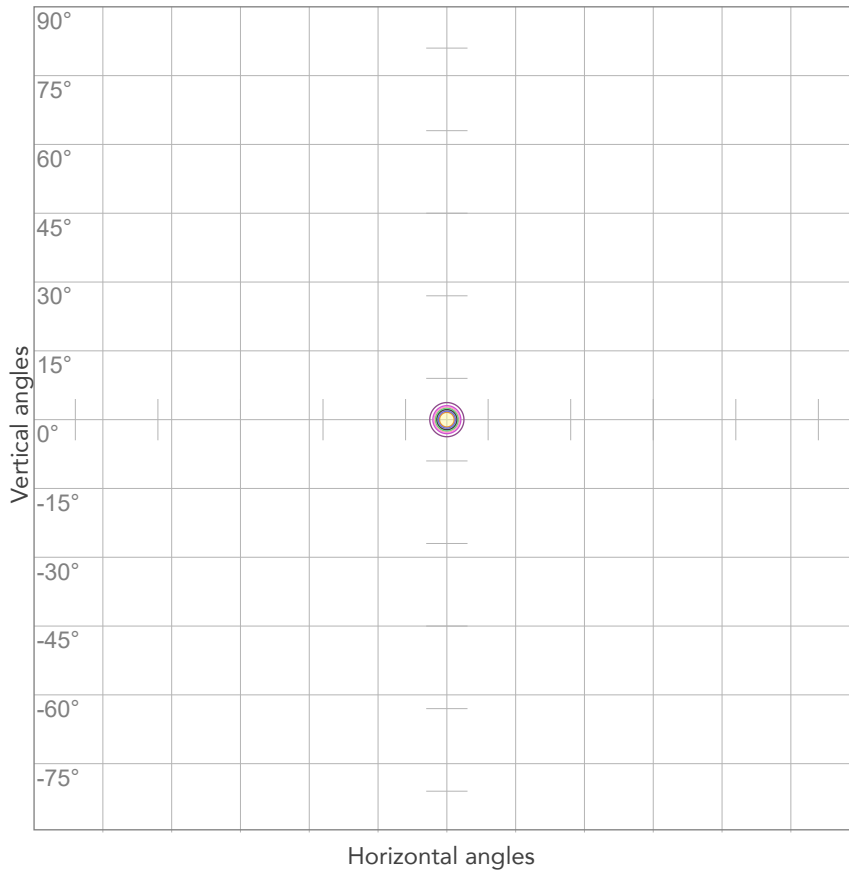


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,125A	25,5W	0,9	27lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



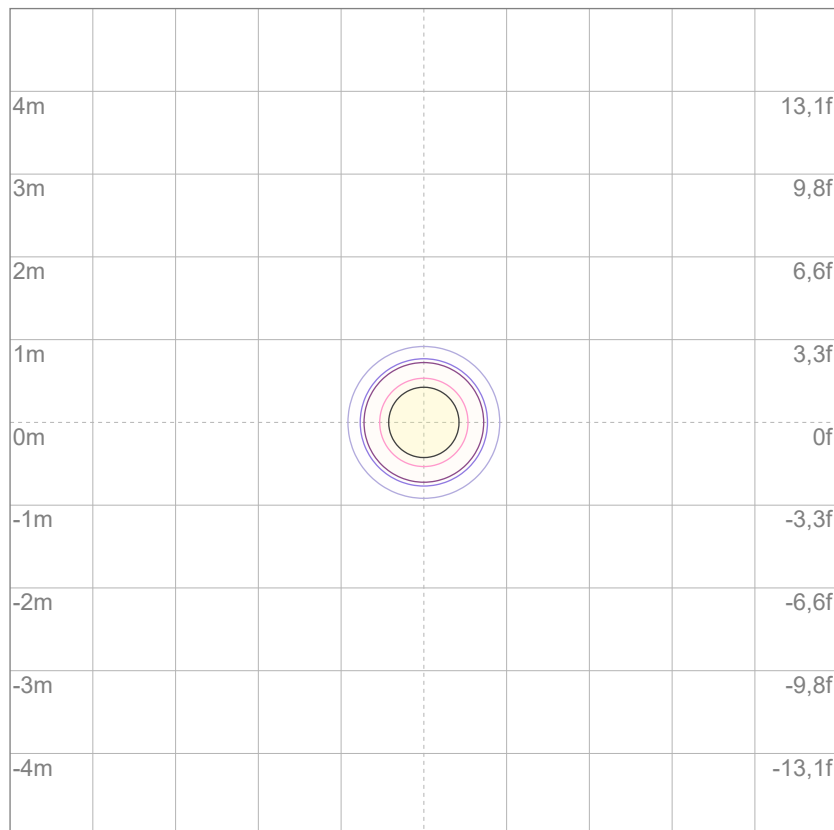
10%	5924 cd
20%	11849 cd
30%	17773 cd
40%	23697 cd
50%	29621 cd
60%	35546 cd
70%	41470 cd
80%	47394 cd

Conditions:

Number of c-planes: 2

Candela at center: 59243 cd

ISO LUX DIAGRAM



3%	17,8 lx
5%	29,6 lx
10%	59,2 lx
30%	178 lx
50%	296 lx

Conditions:

Number of c-planes: 2

Lux at center: 592 lx

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



Total lumen output:

623 lm

Peak candela output:

2847 cd

Light quality:

CRI: 95,6

Color temperature:

4563 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5° + 20° Filter

Target:

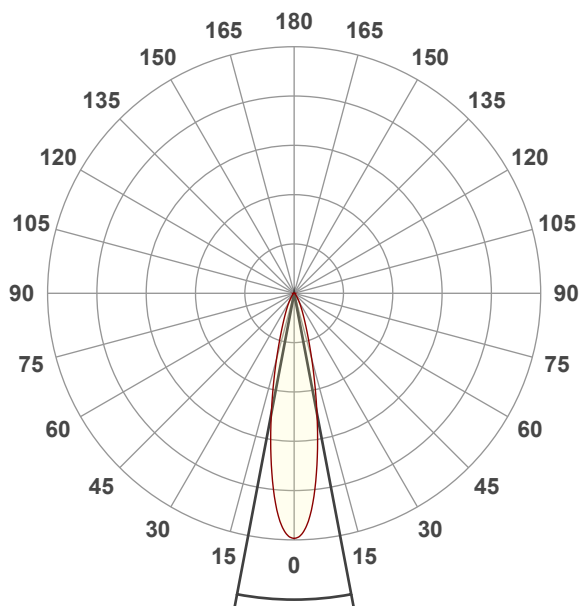
Full On

Operator:

Salvatore Giglio

Date and time:

04/01/2024 12:45:35

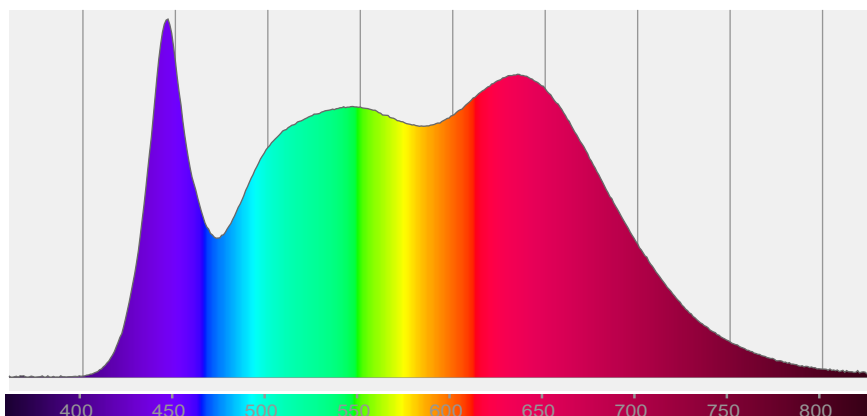


Beam angle 50%: 21,5°

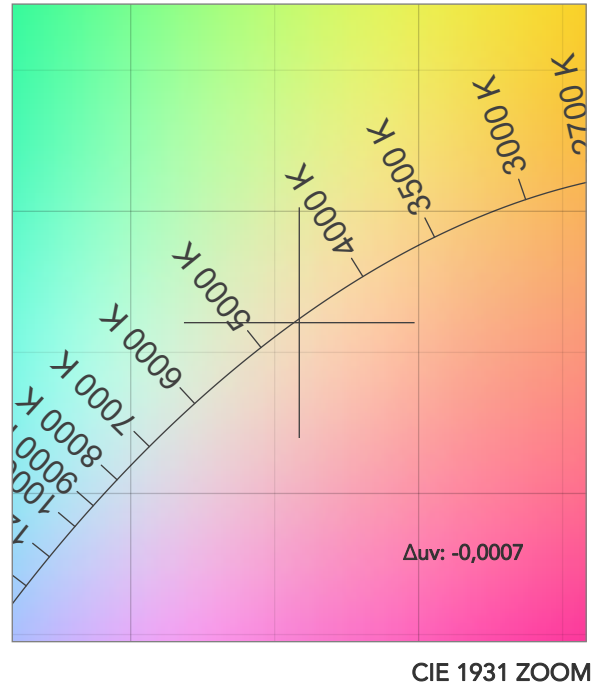
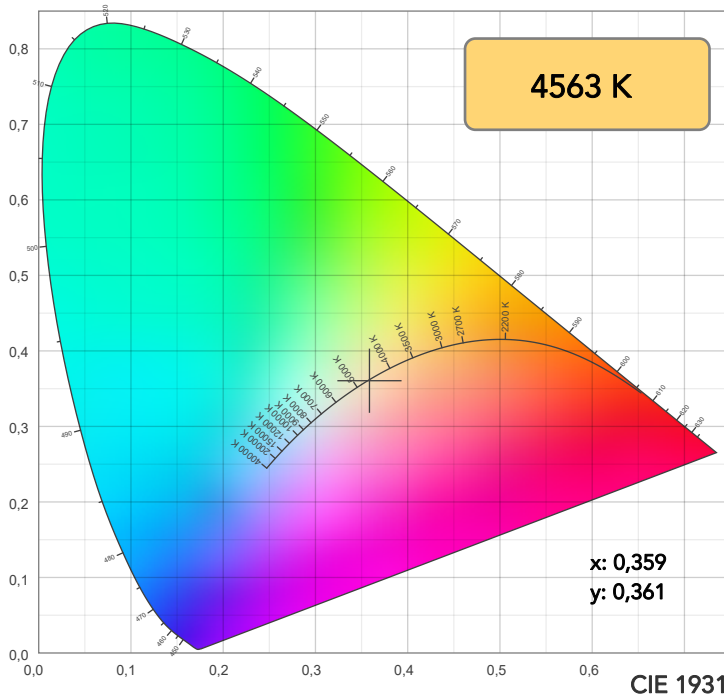
Field angle 10%: 44,8°

Cut off angle 2.5%: 69,2°

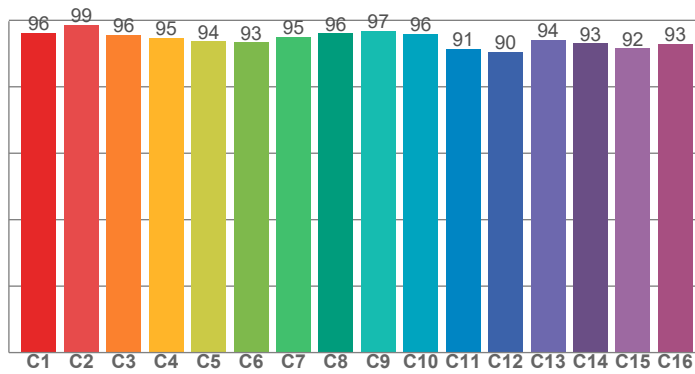
Spectra



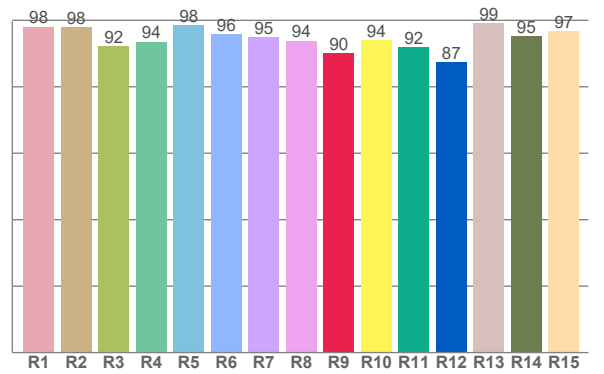
COLOR DETAILS



TM30: 94,6



CRI: 95,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,1	97,8	92,2	93,5	98,4	95,8	94,8	93,8	90,2	94,0	92,0	87,4	99,2	95,3	96,8

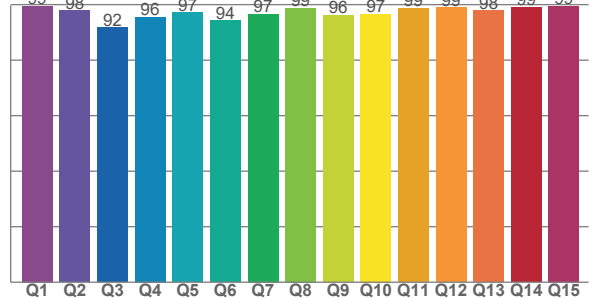
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,5	97,9	91,8	95,6	97,1	94,2	96,7	98,8	96,2	96,6	98,7	98,9	97,8	99,0	99,5

CQS: 96,5



COLOR PARAMETERS

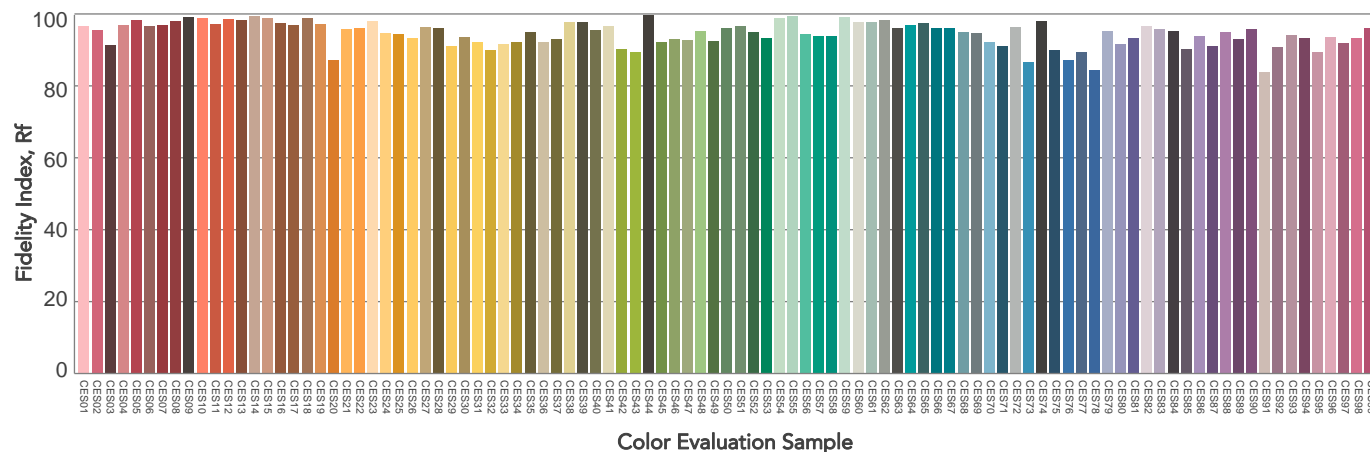
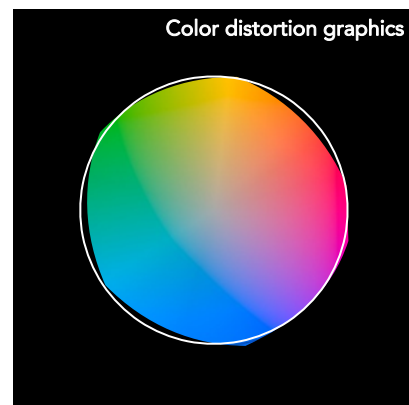
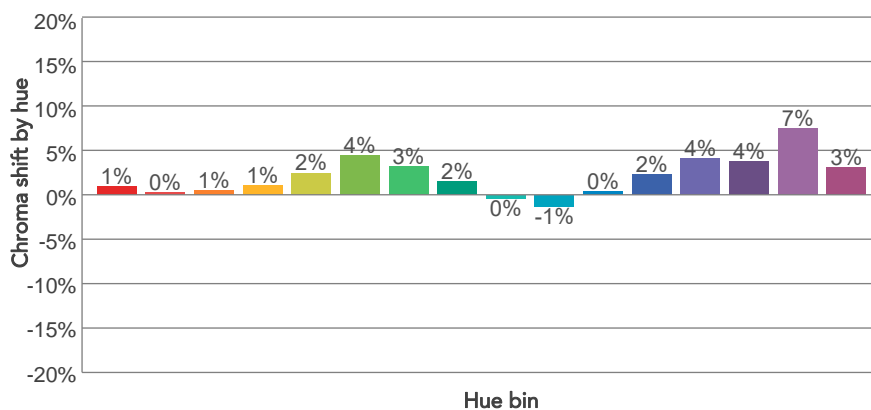
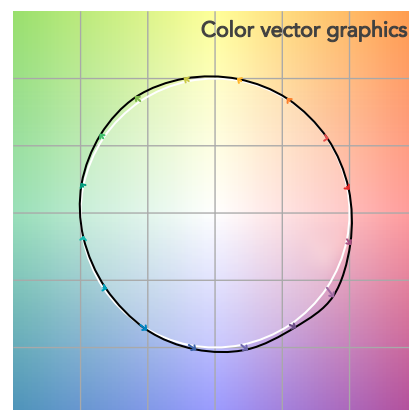
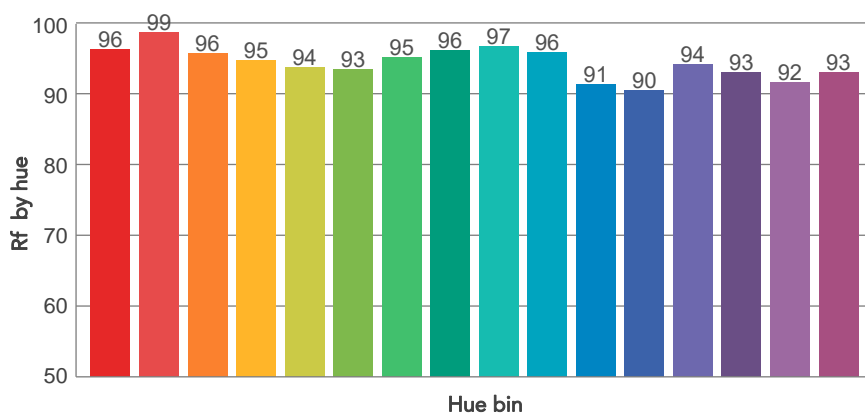
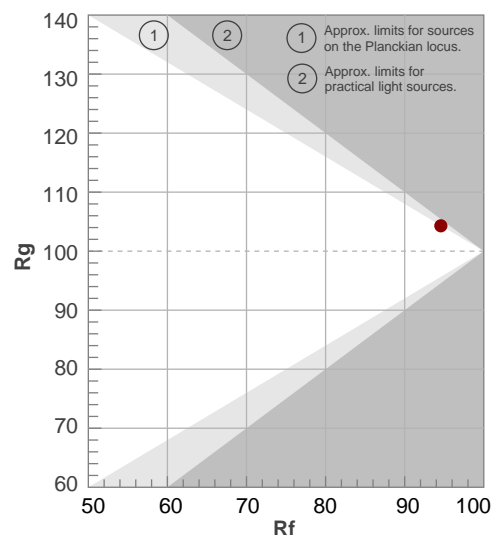
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4563 K	95,6	90,2	94,6	104,3	96,5	98	0,359	0,361	-0,0007

TM30 DETAILS

Rf 94,6
Fidelity index Rf

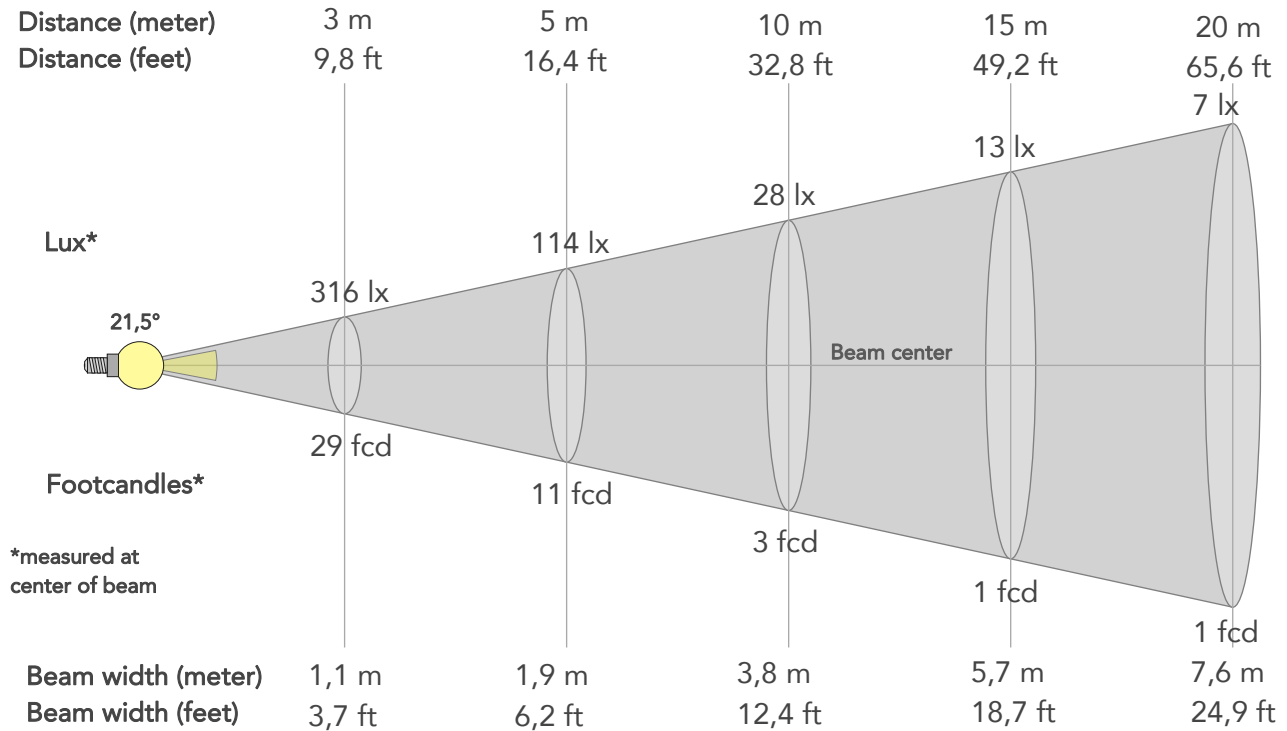
Rg 104,3
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-2%
2	99	0%	0%
3	96	1%	2%
4	95	1%	3%
5	94	2%	3%
6	93	4%	1%
7	95	3%	-1%
8	96	2%	-2%
9	97	0%	-1%
10	96	-1%	2%
11	91	0%	6%
12	90	2%	5%
13	94	4%	3%
14	93	4%	2%
15	92	7%	-3%
16	93	3%	-3%



BEAM DETAILS

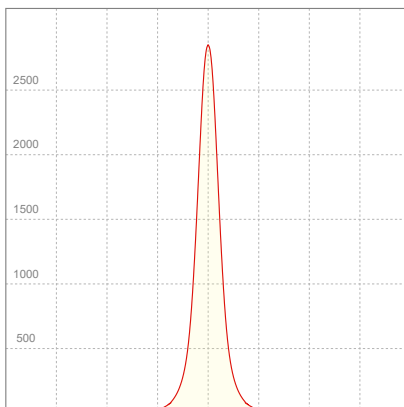
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,5°	44,8°	69,2°	97,6%	94,0%



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	2847lx	712lx	316lx	178lx	114lx	51lx	28lx	13lx	7lx	5lx	3lx	2lx	1lx
Footcand.	265fcd	66fcd	29fcd	17fcd	11fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,1m	1,5m	1,9m	2,8m	3,8m	5,7m	7,6m	9,5m	11,4m	15,2m	19m
Beam wid.	1,3ft	2,5ft	3,7ft	5ft	6,2ft	9,3ft	12,4ft	18,7ft	24,9ft	31,1ft	37,3ft	49,8ft	62,2ft

LINEAR DISTRIBUTION DIAGRAM

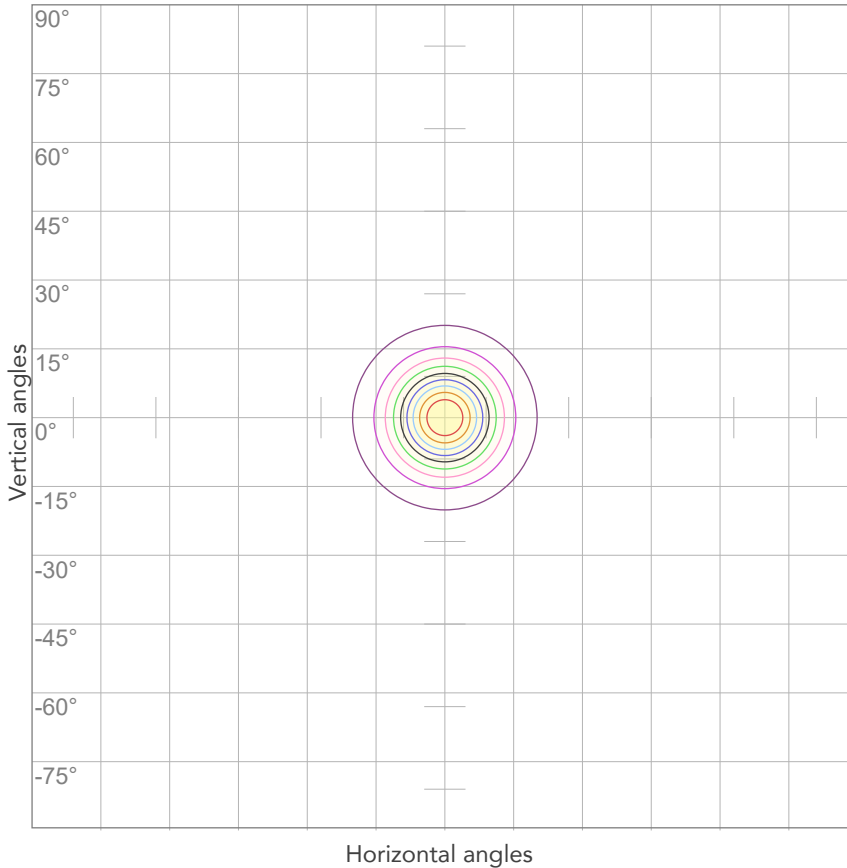


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,125A	25,3W	0,9	25lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



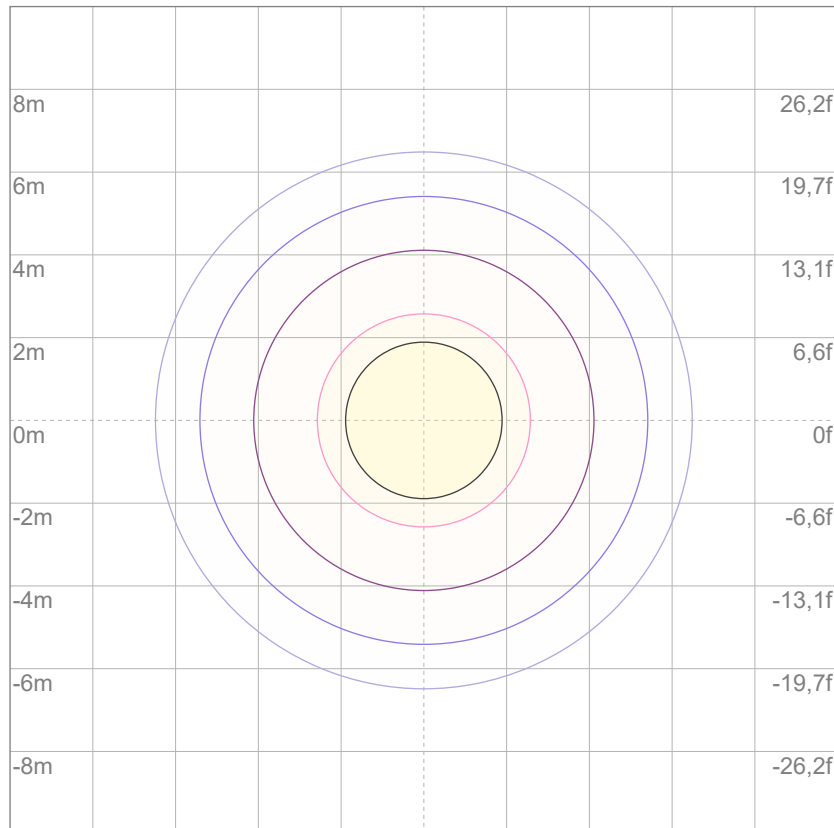
10%	285 cd
20%	569 cd
30%	854 cd
40%	1139 cd
50%	1424 cd
60%	1708 cd
70%	1993 cd
80%	2278 cd

Conditions:

Number of c-planes: 2

Candela at center: 2847 cd

ISO LUX DIAGRAM



3%	0,854 lx
5%	1,42 lx
10%	2,85 lx
30%	8,54 lx
50%	14,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 28,5 lx

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



Total lumen output:

596 lm

Peak candela output:

768 cd

Light quality:

CRI: 95,5

Color temperature:

4603 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5° + 40° Filter

Target:

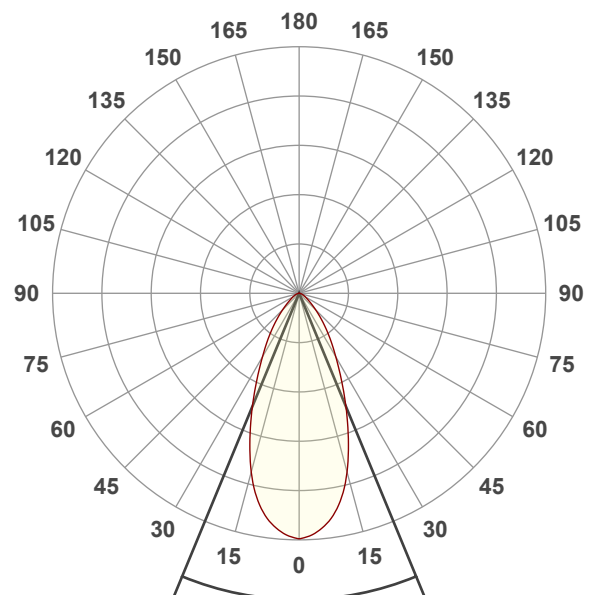
Full On

Operator:

Salvatore Giglio

Date and time:

04/01/2024 12:39:01

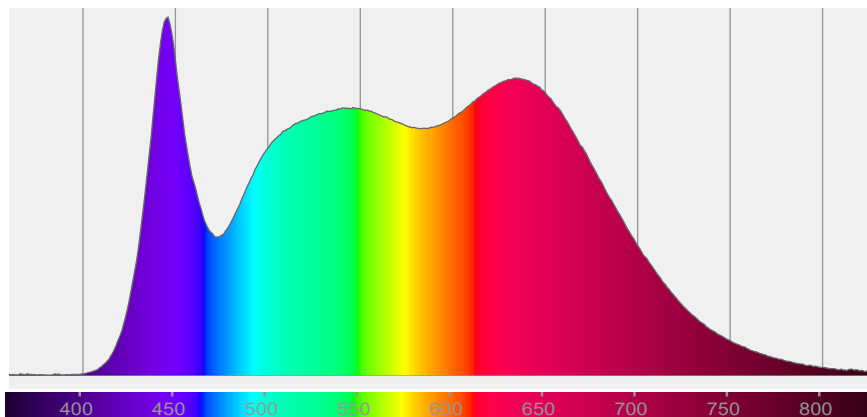


Beam angle 50%: 44,9°

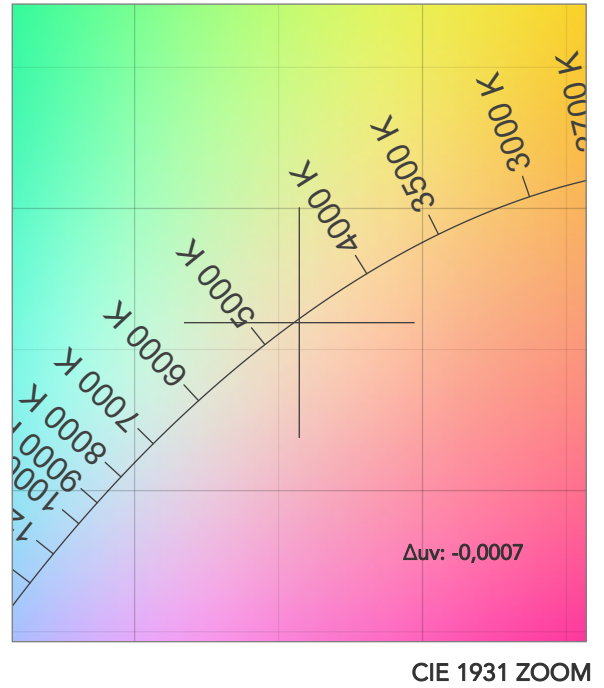
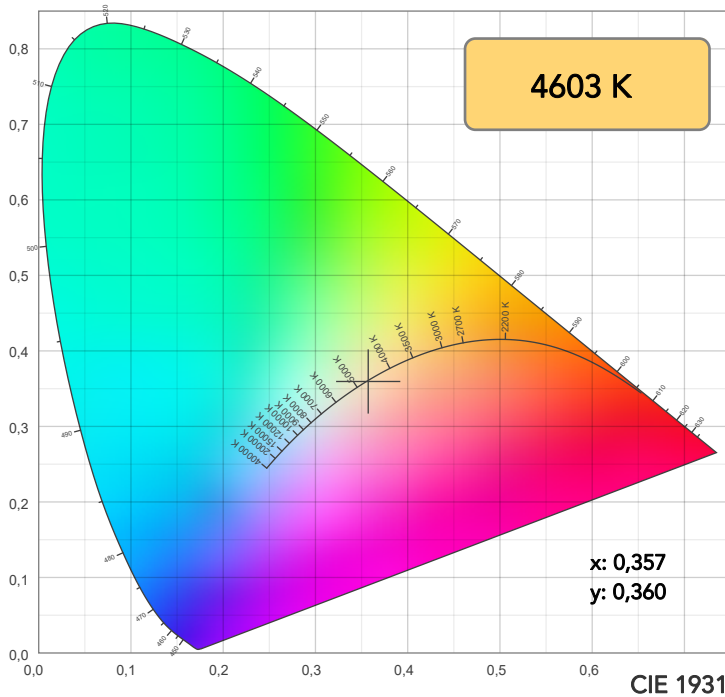
Field angle 10%: 89°

Cut off angle 2.5%: 124,1°

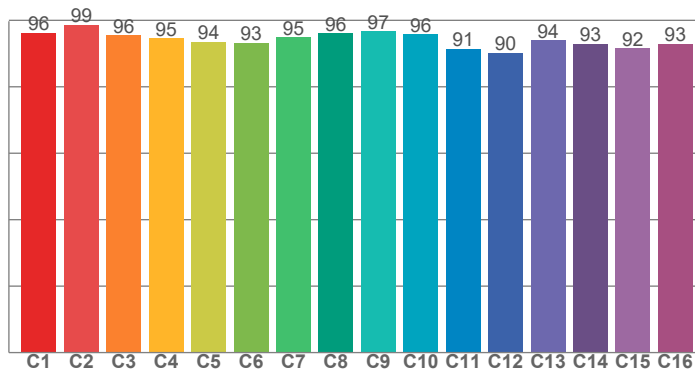
Spectra



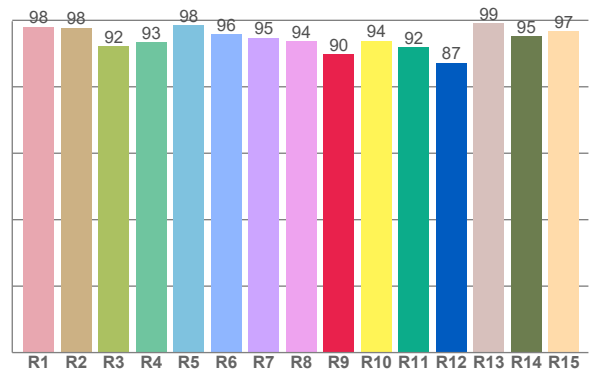
COLOR DETAILS



TM30: 94,5



CRI: 95,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,1	97,8	92,1	93,4	98,4	95,7	94,7	93,7	89,9	93,9	91,9	87,2	99,2	95,2	96,7

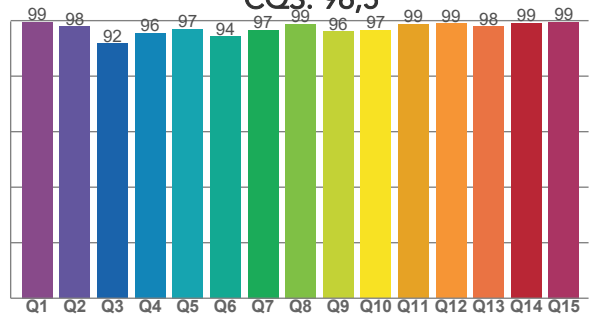
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,4	97,9	91,7	95,5	97,1	94,2	96,7	98,8	96,1	96,5	98,7	98,9	97,8	99,0	99,5

CQS: 96,5



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4603 K	95,5	89,9	94,5	104,4	96,5	98	0,357	0,360	-0,0007

TM30 DETAILS

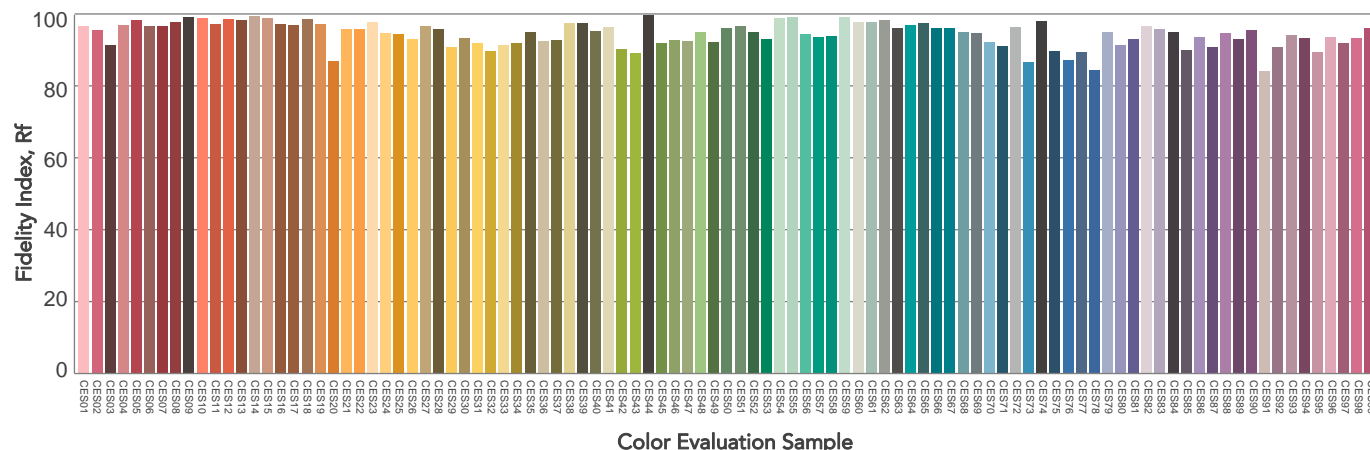
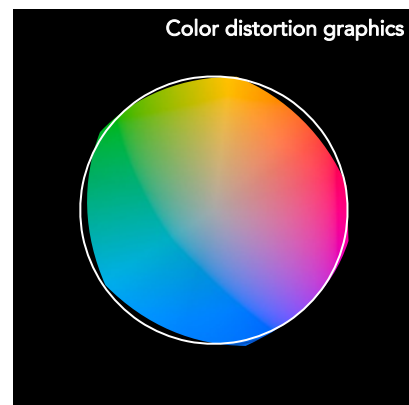
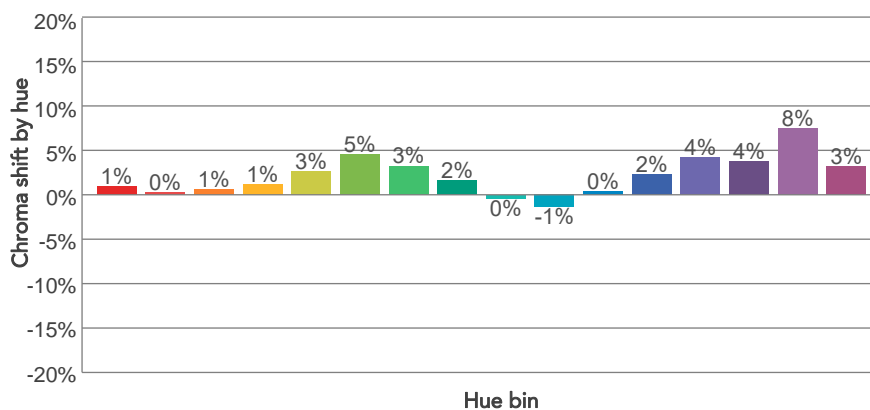
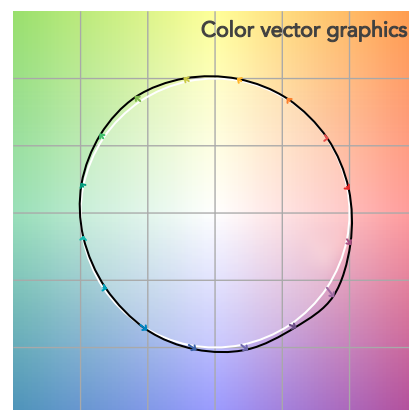
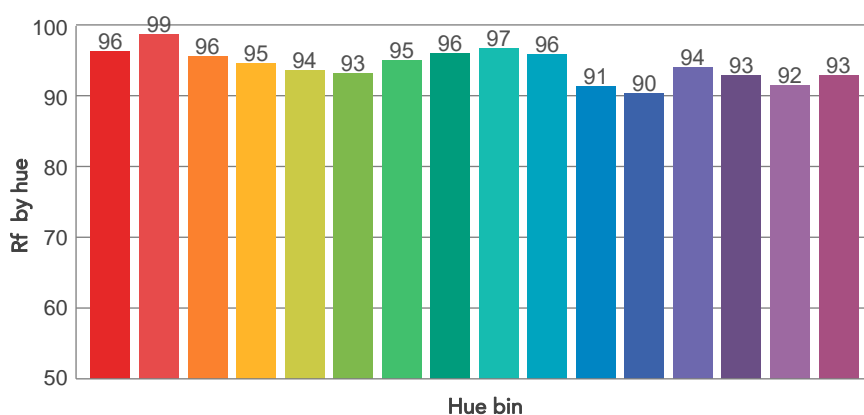
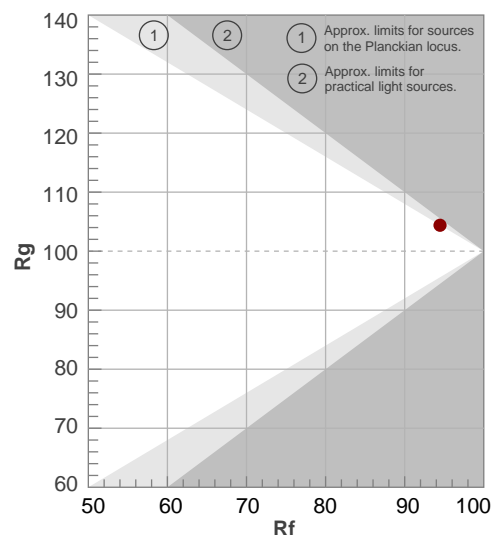
Rf 94,5

Fidelity index Rf

Rg 104,4

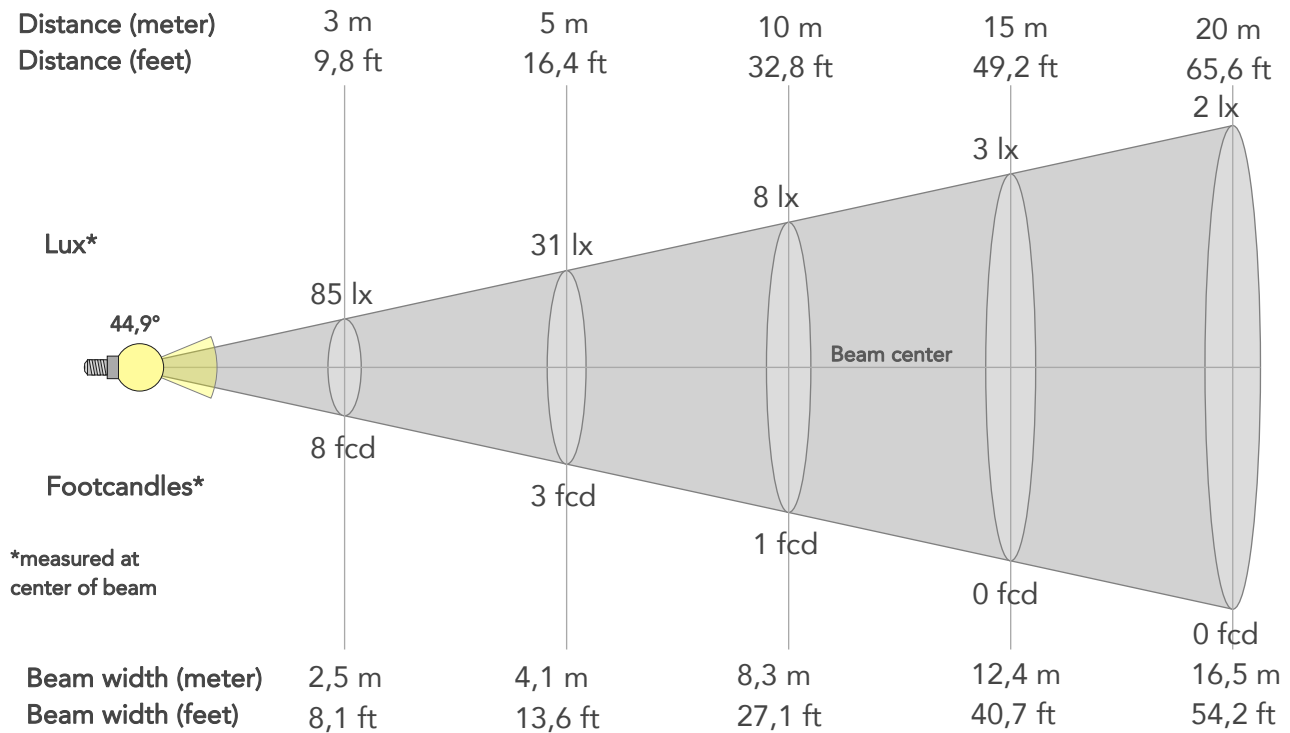
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-2%
2	99	0%	0%
3	96	1%	2%
4	95	1%	3%
5	94	3%	3%
6	93	5%	1%
7	95	3%	-1%
8	96	2%	-2%
9	97	0%	-2%
10	96	-1%	1%
11	91	0%	6%
12	90	2%	5%
13	94	4%	4%
14	93	4%	2%
15	92	8%	-3%
16	93	3%	-3%



BEAM DETAILS

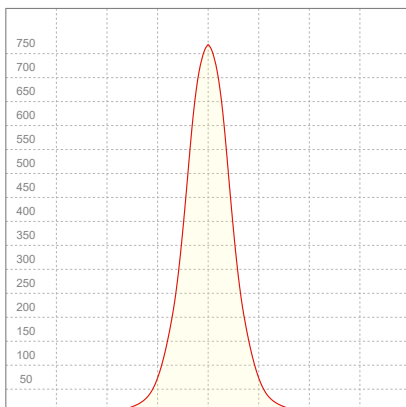
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,9°	89°	124,1°	95,1%	86,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	768lx	192lx	85lx	48lx	31lx	14lx	8lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	71fcd	18fcd	8fcd	4fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,1m	6,2m	8,3m	12,4m	16,5m	20,7m	24,8m	33,1m	41,3m
Beam wid.	2,7ft	5,5ft	8,1ft	10,8ft	13,6ft	20,3ft	27,1ft	40,7ft	54,2ft	67,8ft	81,3ft	108,4ft	135,6ft

LINEAR DISTRIBUTION DIAGRAM

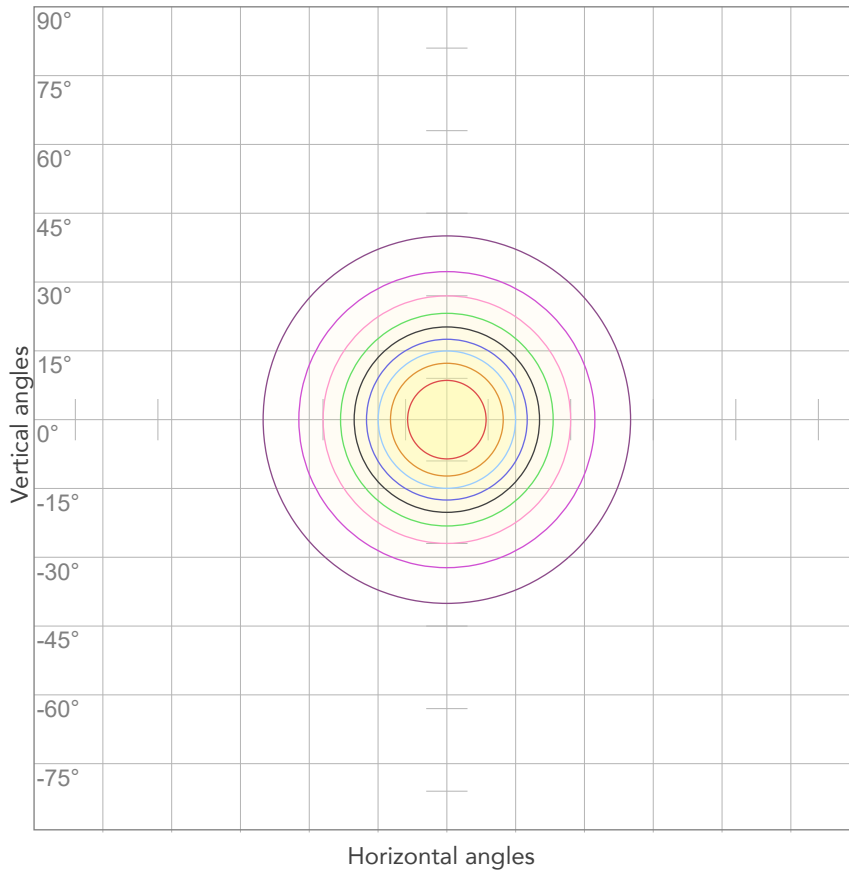


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,125A	25,4W	0,9	23lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



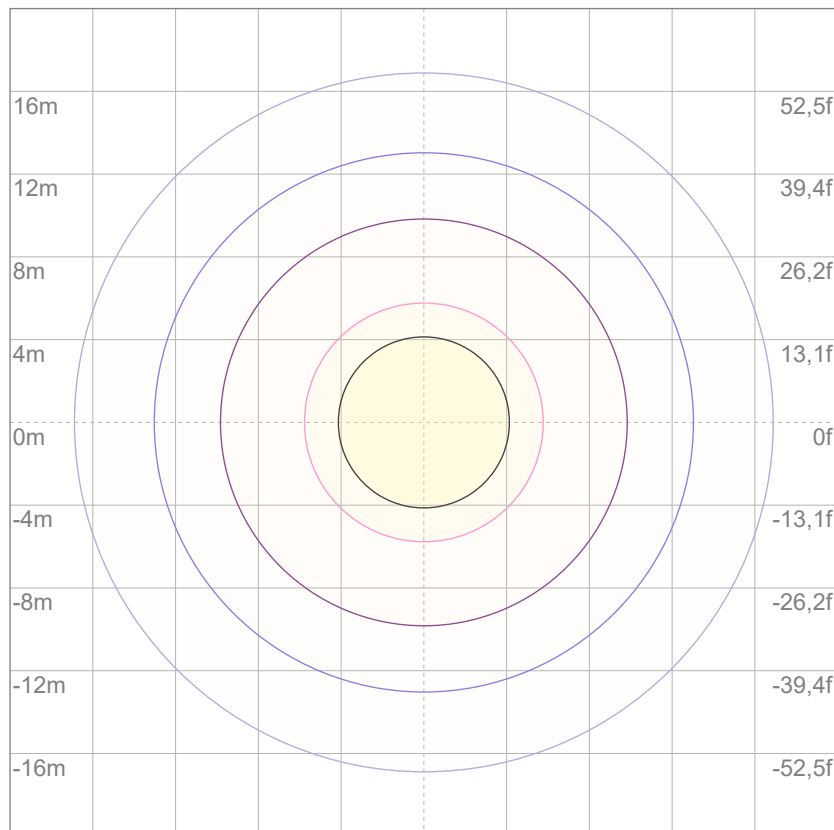
10%	77 cd
20%	154 cd
30%	230 cd
40%	307 cd
50%	384 cd
60%	461 cd
70%	537 cd
80%	614 cd

Conditions:

Number of c-planes: 2

Candela at center: 768 cd

ISO LUX DIAGRAM



3%	0,230 lx
5%	0,384 lx
10%	0,768 lx
30%	2,30 lx
50%	3,84 lx

Conditions:

Number of c-planes: 2

Lux at center: 7,68 lx

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



Total lumen output:

587 lm

Peak candela output:

605 cd

Light quality:

CRI: 95,5

Color temperature:

4608 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5° + 60° Filter

Target:

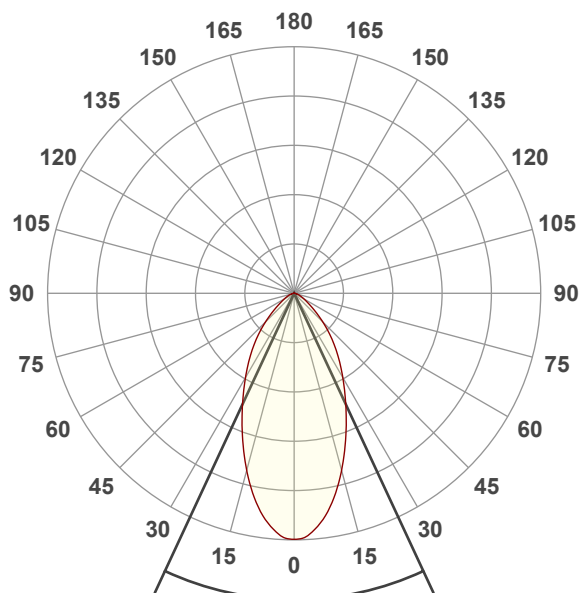
Full On

Operator:

Salvatore Giglio

Date and time:

04/01/2024 12:36:54

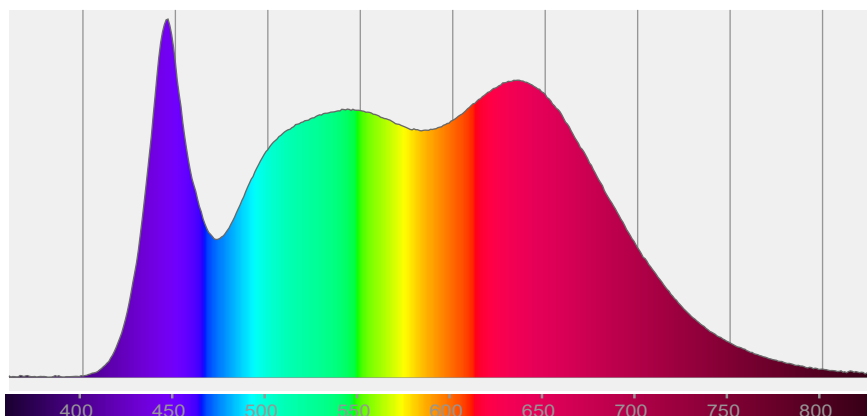


Beam angle 50%: 49,9°

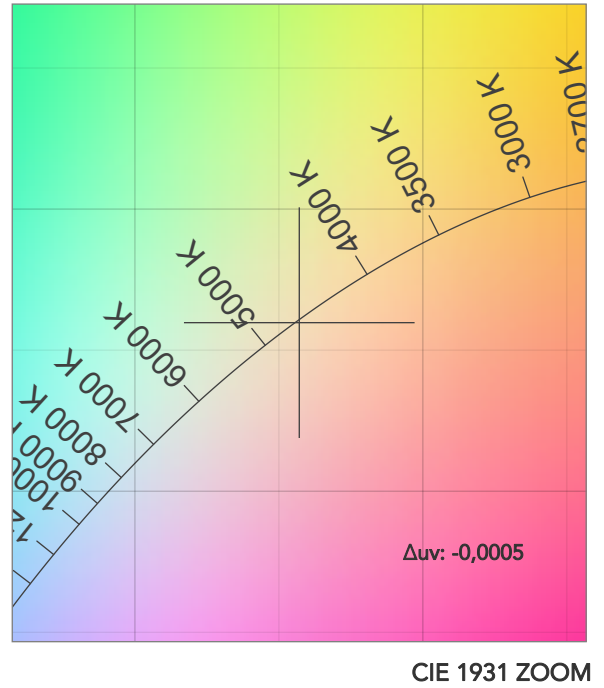
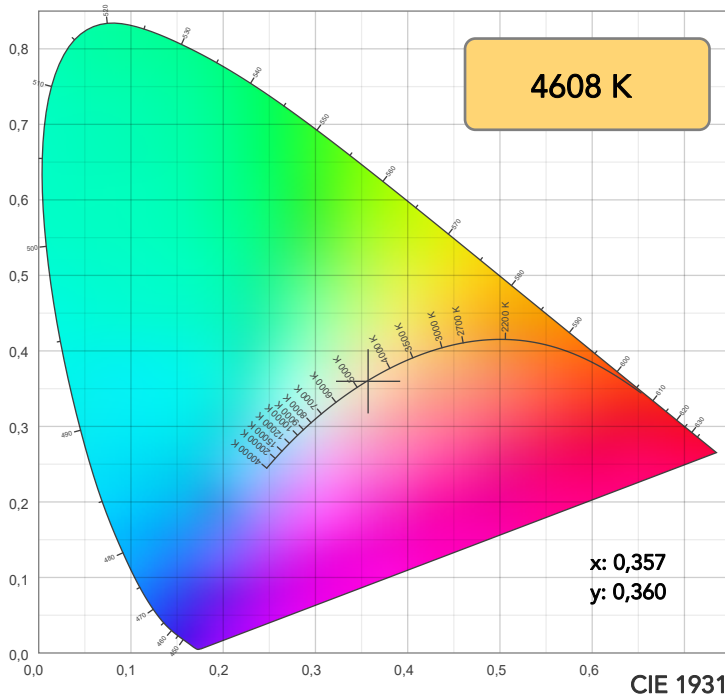
Field angle 10%: 101,9°

Cut off angle 2.5%: 136,6°

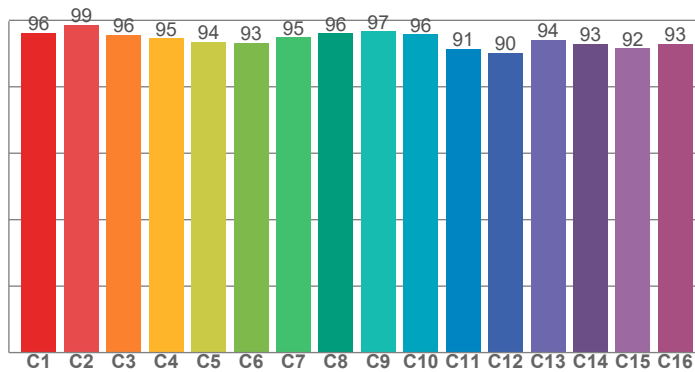
Spectra



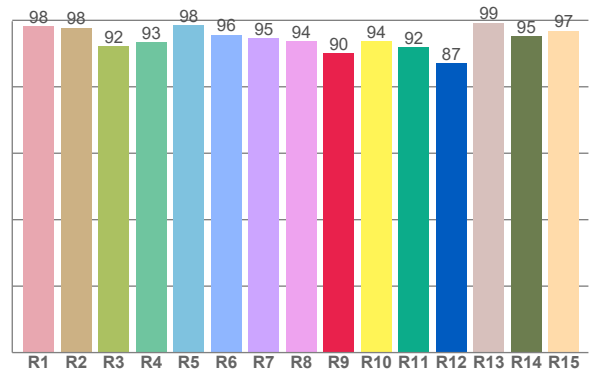
COLOR DETAILS



TM30: 94,5



CRI: 95,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,2	97,7	92,1	93,5	98,4	95,7	94,7	93,7	90,0	93,8	92,0	87,1	99,3	95,2	96,9

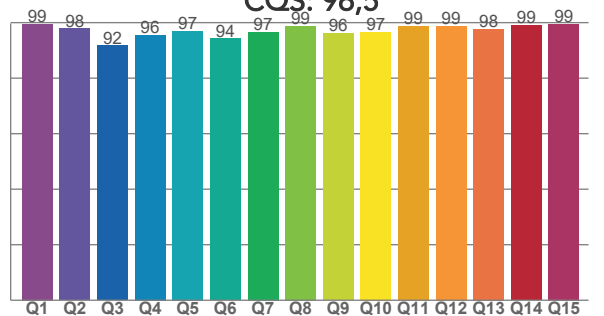
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,5	97,9	91,7	95,6	97,0	94,2	96,7	98,7	96,1	96,5	98,7	98,8	97,7	99,0	99,5

CQS: 96,5



COLOR PARAMETERS

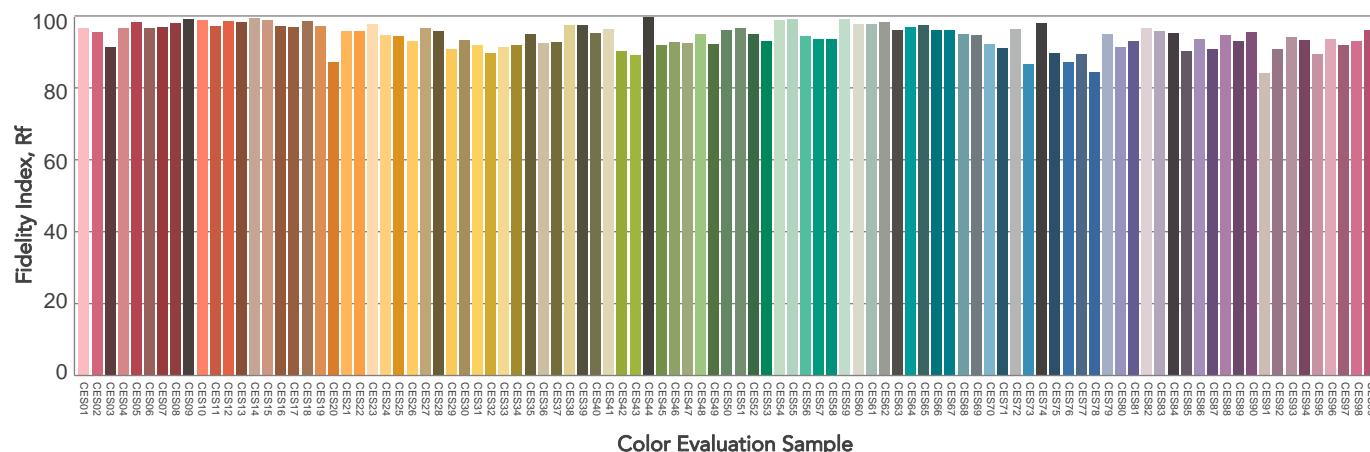
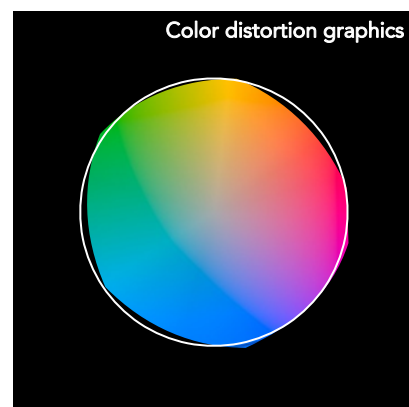
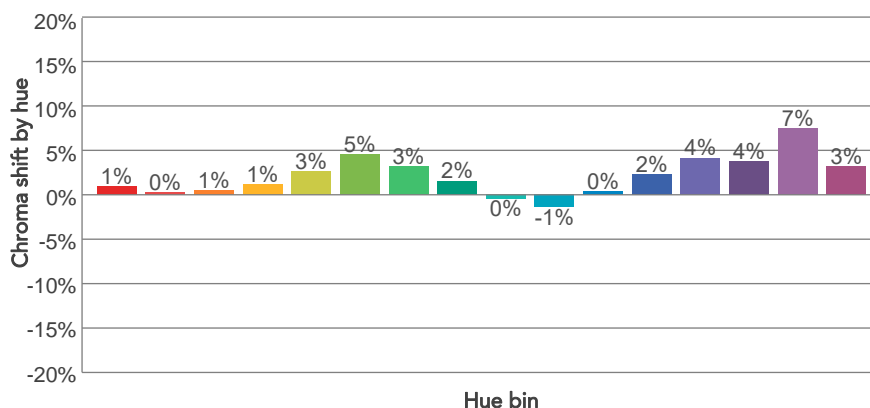
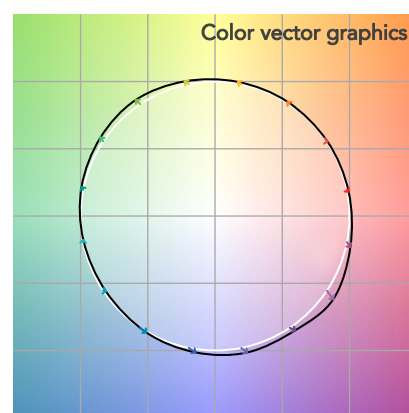
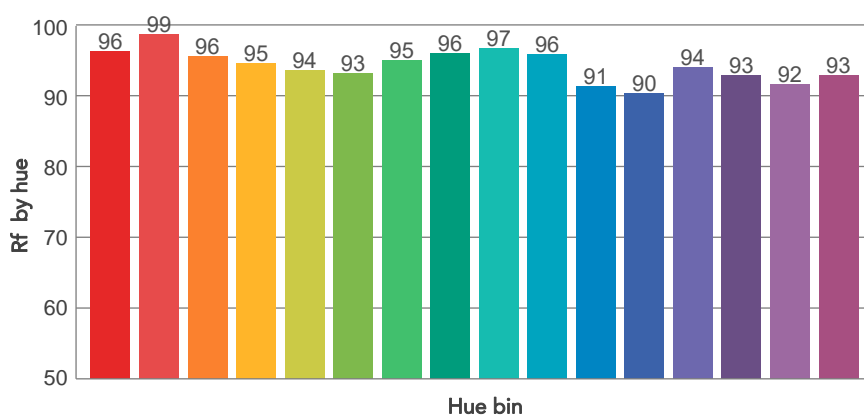
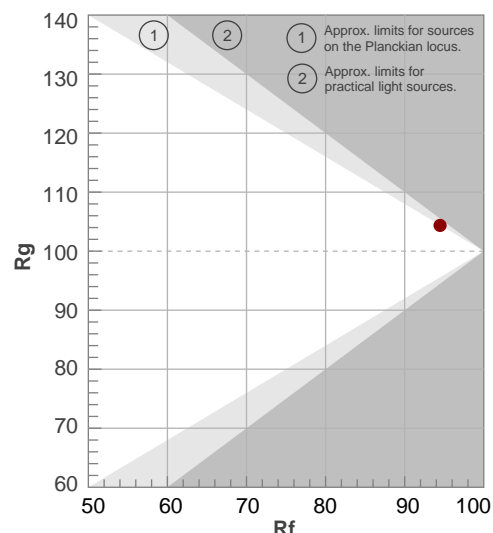
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4608 K	95,5	90,0	94,5	104,4	96,5	98	0,357	0,360	-0,0005

TM30 DETAILS

Rf 94,5
Fidelity index Rf

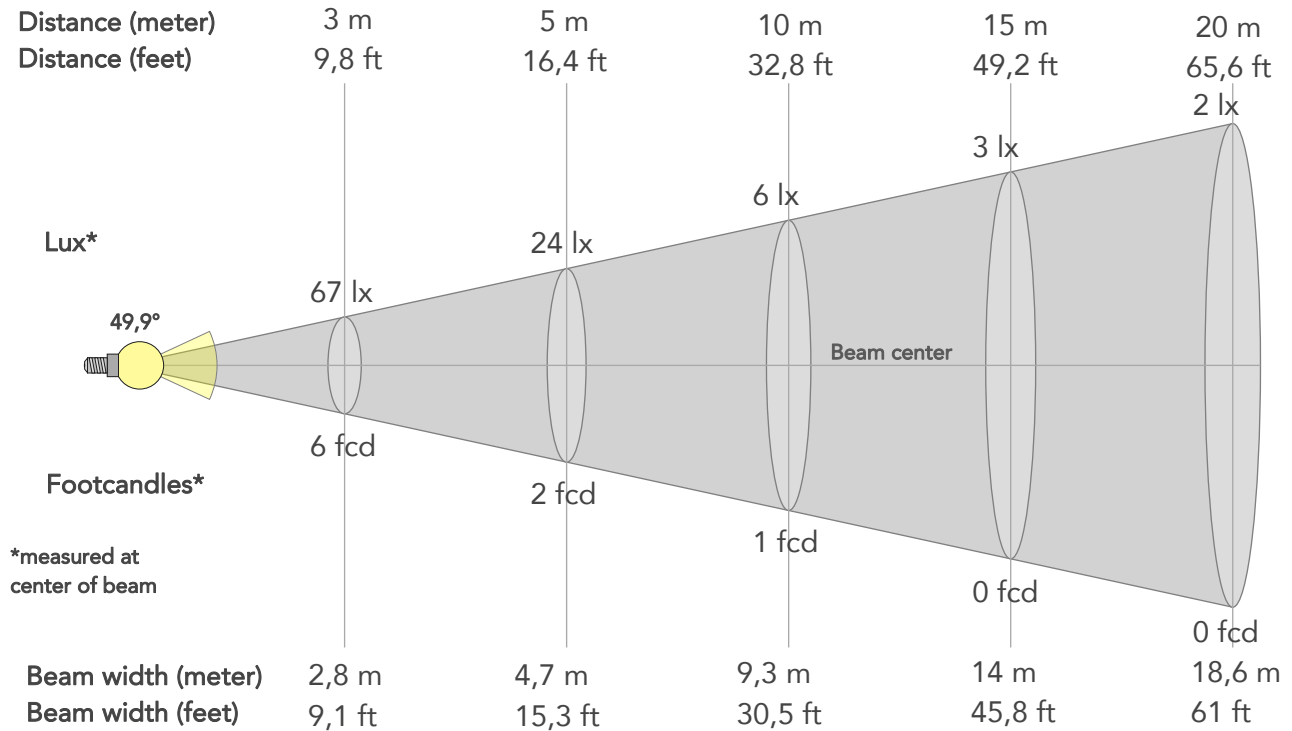
Rg 104,4
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-2%
2	99	0%	0%
3	96	1%	2%
4	95	1%	3%
5	94	3%	3%
6	93	5%	1%
7	95	3%	-1%
8	96	2%	-2%
9	97	0%	-2%
10	96	-1%	1%
11	91	0%	6%
12	90	2%	5%
13	94	4%	4%
14	93	4%	2%
15	92	7%	-3%
16	93	3%	-3%



BEAM DETAILS

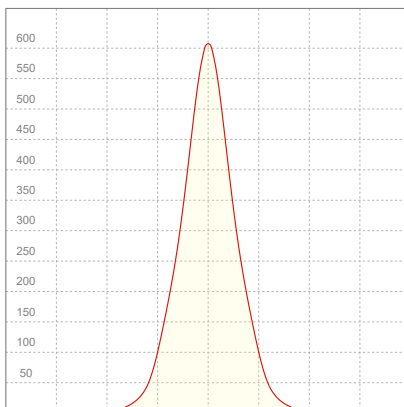
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
49,9°	101,9°	136,6°	94,2%	81,9%



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	605lx	151lx	67lx	38lx	24lx	11lx	6lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	56fcd	14fcd	6fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,9m	2,8m	3,7m	4,7m	7m	9,3m	14m	18,6m	23,3m	27,9m	37,2m	46,5m
Beam wid.	3,1ft	6,1ft	9,1ft	12,2ft	15,3ft	22,9ft	30,5ft	45,8ft	61ft	76,3ft	91,5ft	122,1ft	152,6ft

LINEAR DISTRIBUTION DIAGRAM

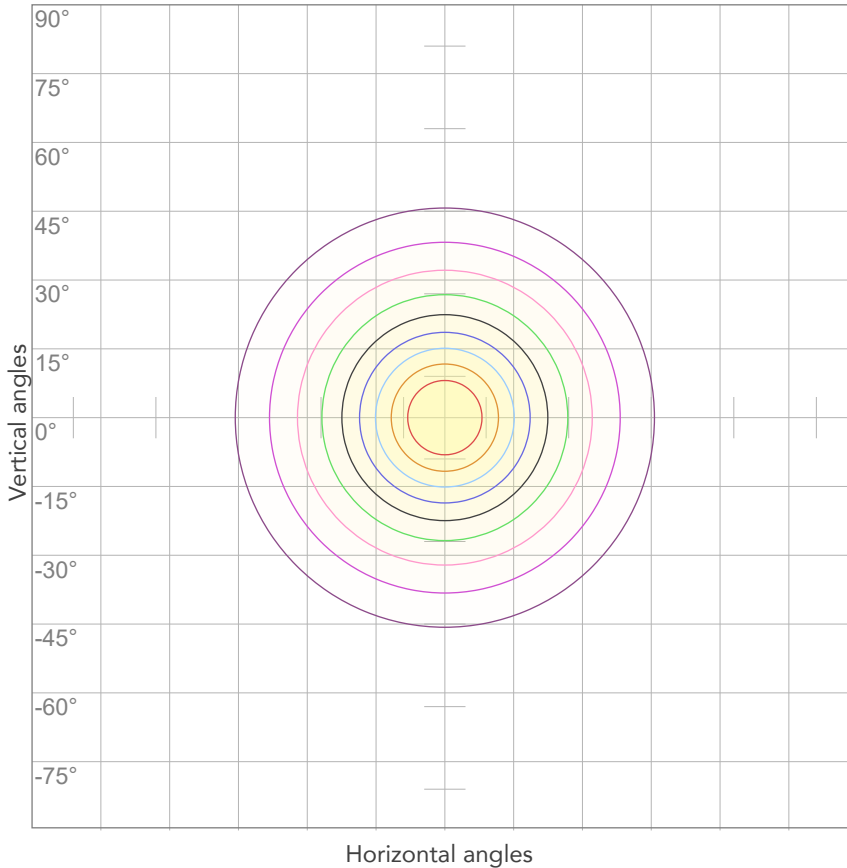


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,125A	25,5W	0,9	23lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



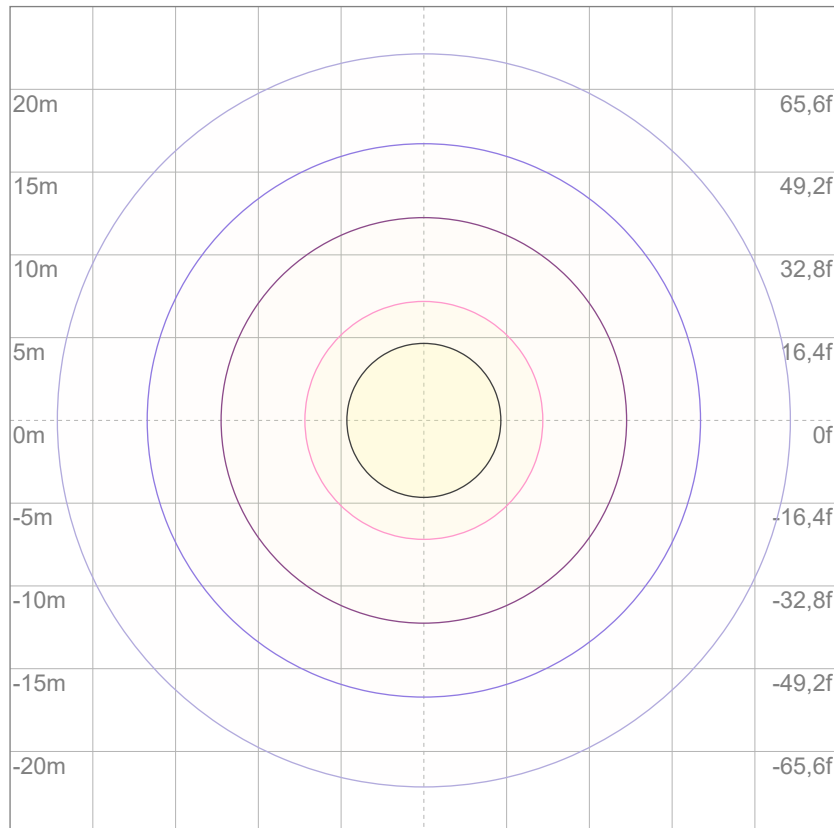
10%	60 cd
20%	121 cd
30%	181 cd
40%	242 cd
50%	302 cd
60%	363 cd
70%	423 cd
80%	484 cd

Conditions:

Number of c-planes: 2

Candela at center: 605 cd

ISO LUX DIAGRAM



3%	0,181 lx
5%	0,302 lx
10%	0,605 lx
30%	1,81 lx
50%	3,02 lx

Conditions:

Number of c-planes: 2

Lux at center: 6,05 lx

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



Total lumen output:

1087 lm

Peak candela output:

2419 cd

Light quality:

CRI: 95,7

Color temperature:

4469 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5° + 10°x 60° Filter

Target:

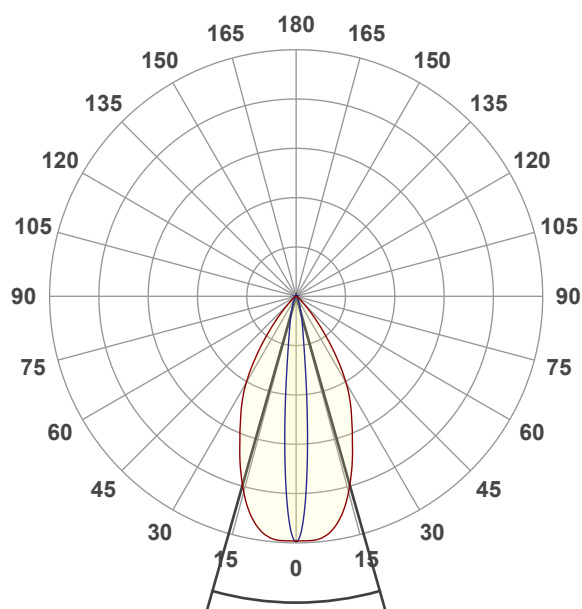
Full On

Operator:

Salvatore Giglio

Date and time:

04/01/2024 12:49:10

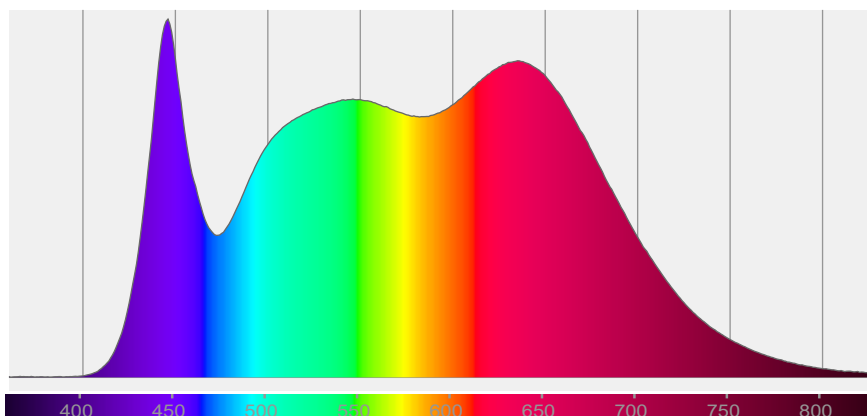


Beam angle 50%: 31,7°

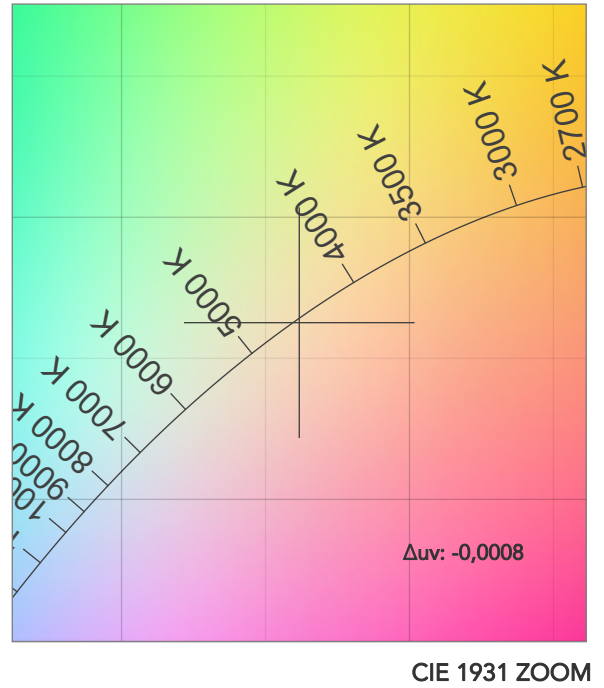
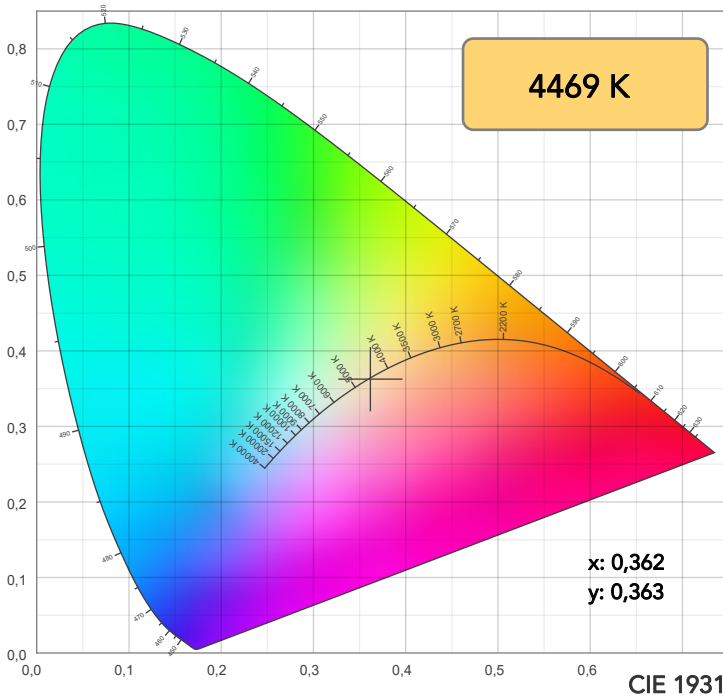
Field angle 10%: 55,3°

Cut off angle 2.5%: 77,5°

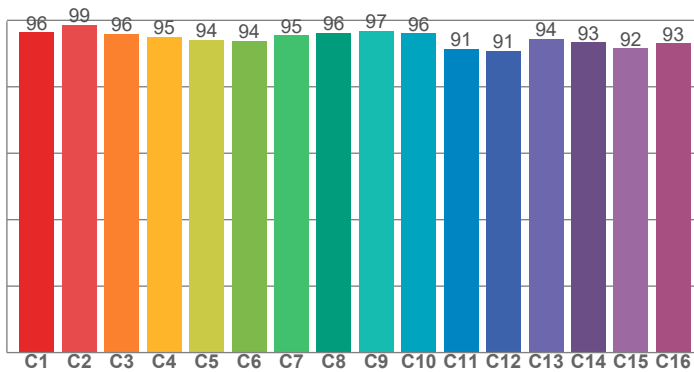
Spectra



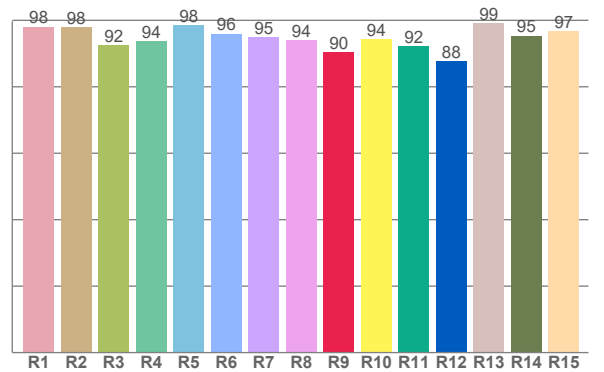
COLOR DETAILS



TM30: 94,8



CRI: 95,7 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,1	98,0	92,4	93,7	98,5	96,0	95,0	94,0	90,3	94,3	92,2	87,6	99,1	95,3	96,8

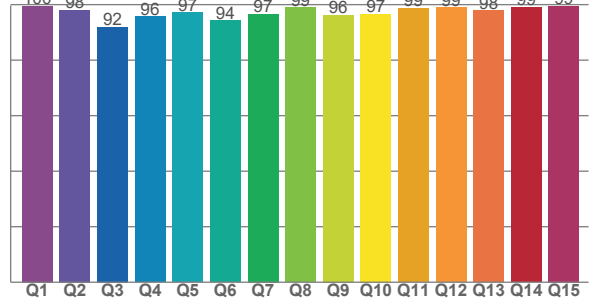
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,5	98,0	91,9	95,6	97,1	94,3	96,6	98,9	96,2	96,6	98,7	99,0	97,9	99,0	99,5

CQS: 96,6



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4469 K	95,7	90,3	94,8	104,2	96,6	98	0,362	0,363	-0,0008

TM30 DETAILS

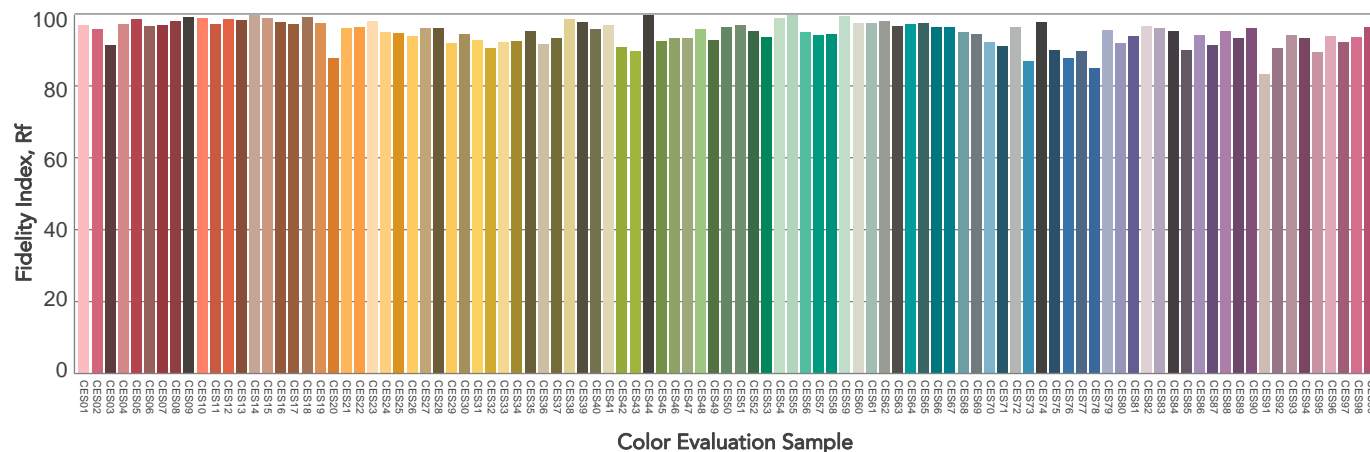
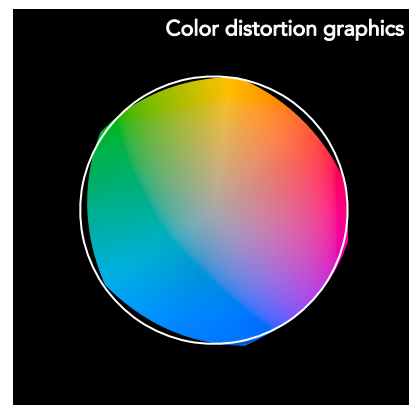
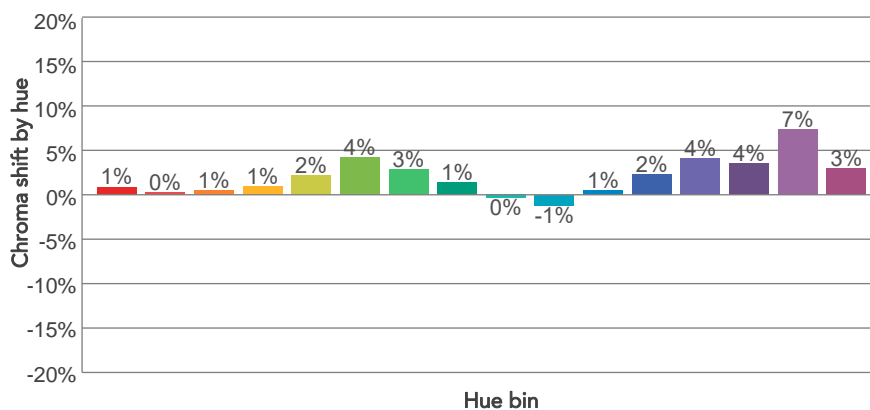
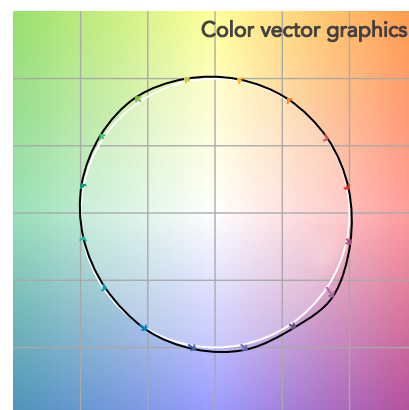
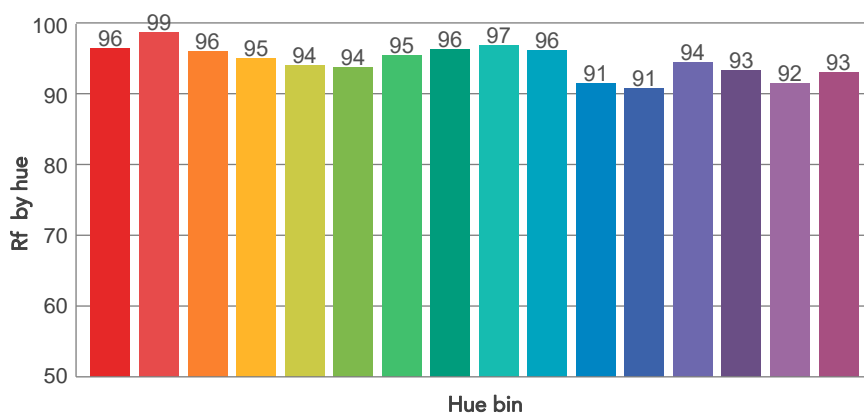
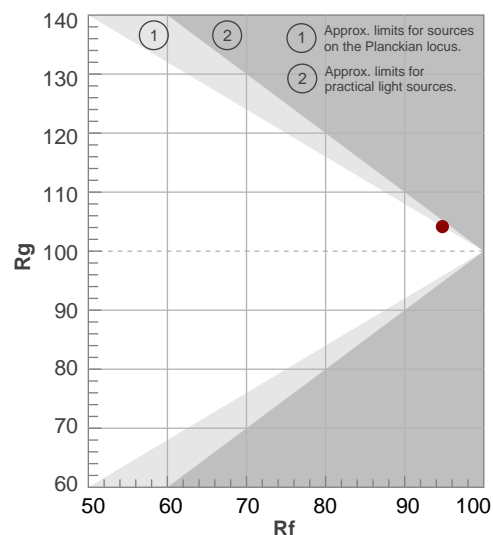
Rf 94,8

Fidelity index Rf

Rg 104,2

Gammut index

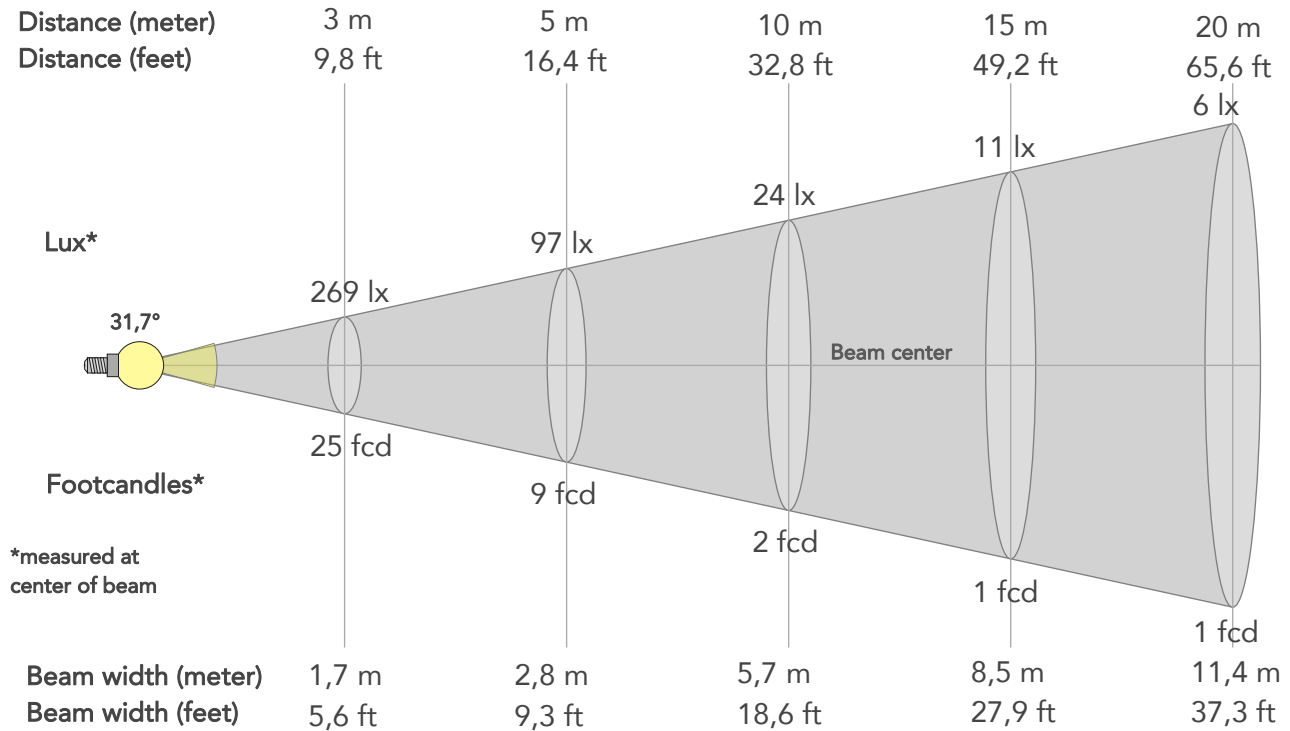
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-2%
2	99	0%	0%
3	96	1%	2%
4	95	1%	2%
5	94	2%	2%
6	94	4%	1%
7	95	3%	-1%
8	96	1%	-2%
9	97	0%	-1%
10	96	-1%	1%
11	91	1%	5%
12	91	2%	5%
13	94	4%	3%
14	93	4%	2%
15	92	7%	-3%
16	93	3%	-3%



BEAM DETAILS



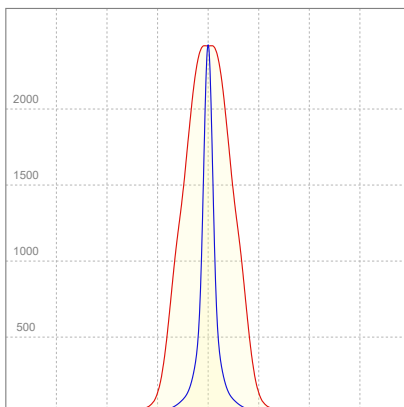
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
31,7°	55,3°	77,5°	98,1%	94,2%



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	2418lx	604lx	269lx	151lx	97lx	43lx	24lx	11lx	6lx	4lx	3lx	2lx	1lx
Footcand.	225fcd	56fcd	25fcd	14fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,1m	1,7m	2,3m	2,8m	4,3m	5,7m	8,5m	11,4m	14,2m	17m	22,7m	28,4m
Beam wid.	1,9ft	3,7ft	5,6ft	7,4ft	9,3ft	14ft	18,6ft	27,9ft	37,3ft	46,6ft	55,9ft	74,5ft	93,1ft

LINEAR DISTRIBUTION DIAGRAM

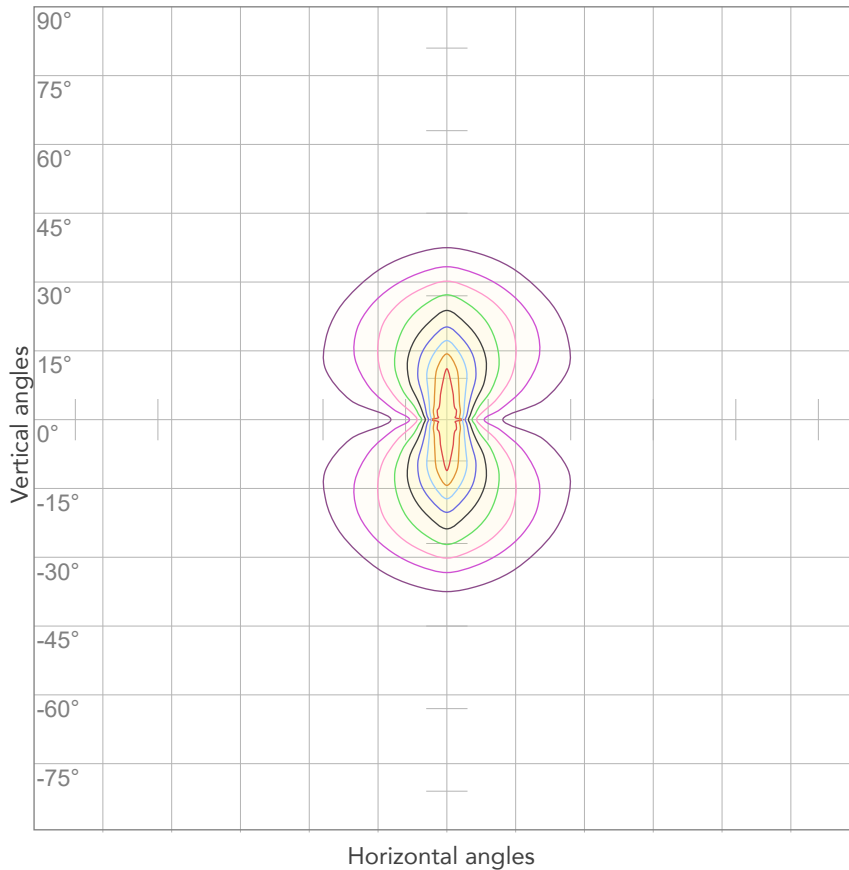


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,124A	25,2W	0,9	43lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



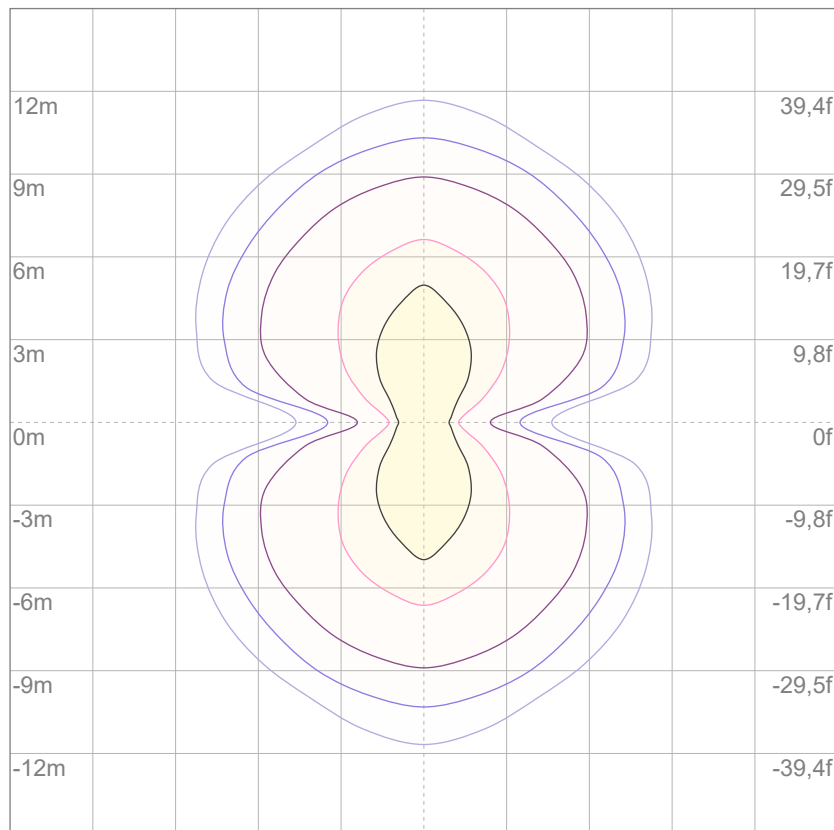
10%	242 cd
20%	484 cd
30%	725 cd
40%	967 cd
50%	1209 cd
60%	1451 cd
70%	1693 cd
80%	1934 cd

Conditions:

Number of c-planes: 4

Candela at center: 2418 cd

ISO LUX DIAGRAM



3%	0,725 lx
5%	1,21 lx
10%	2,42 lx
30%	7,25 lx
50%	12,1 lx

Conditions:

Number of c-planes: 4

Lux at center: 24,2 lx

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



Total lumen output:

660 lm

Peak candela output:

998 cd

Light quality:

CRI: 95,6

Color temperature:

4566 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5° + 30°x 60° Filter

Target:

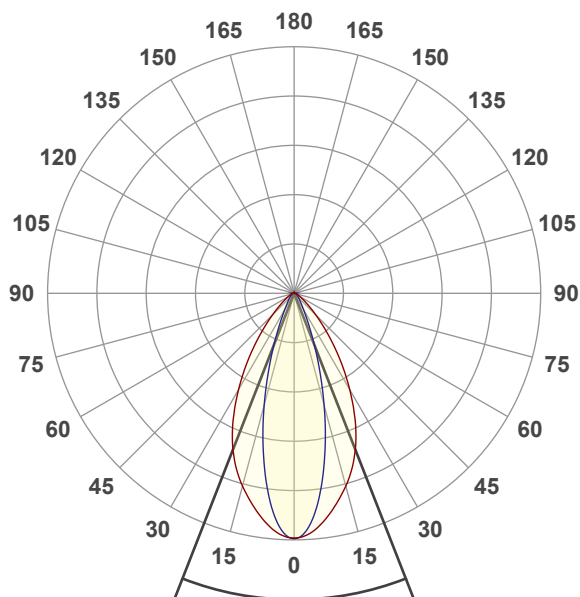
Full On

Operator:

Salvatore Giglio

Date and time:

04/01/2024 12:53:07

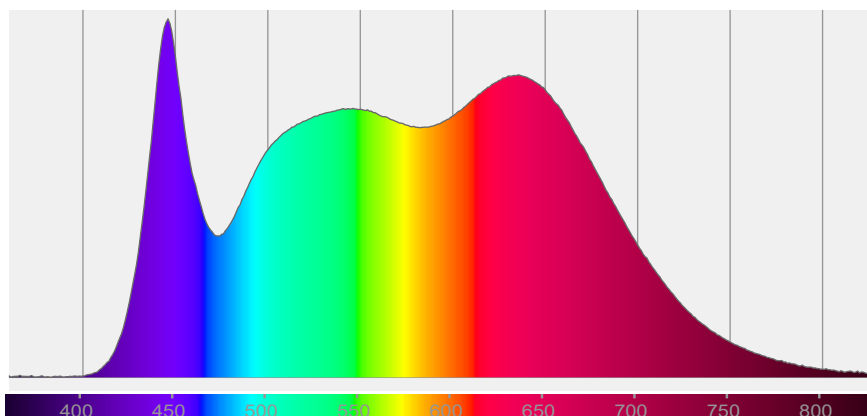


Beam angle 50%: 42,8°

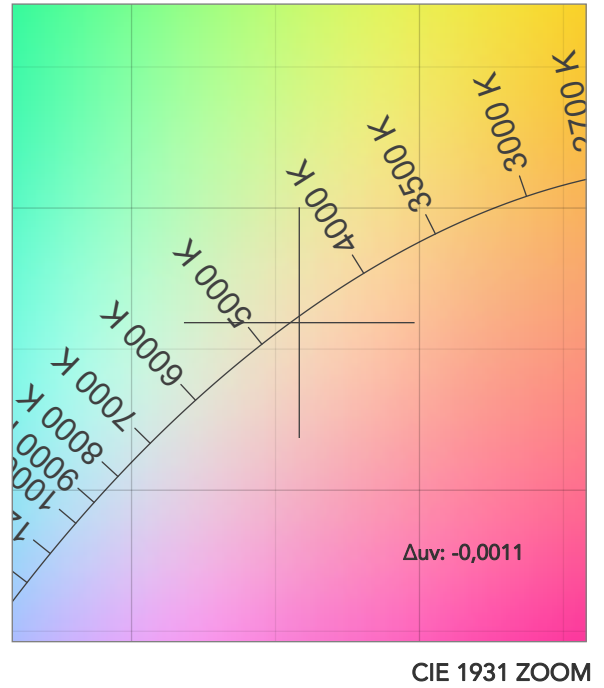
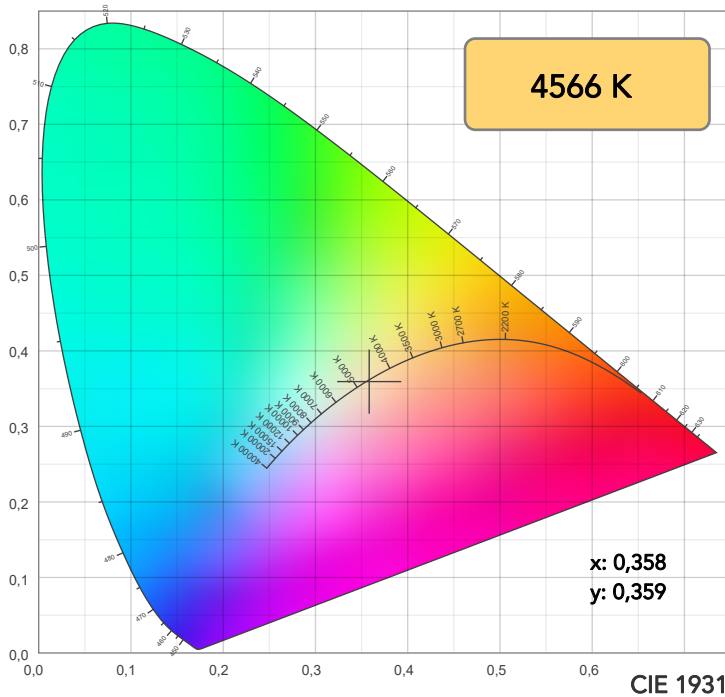
Field angle 10%: 74,8°

Cut off angle 2.5%: 107,4°

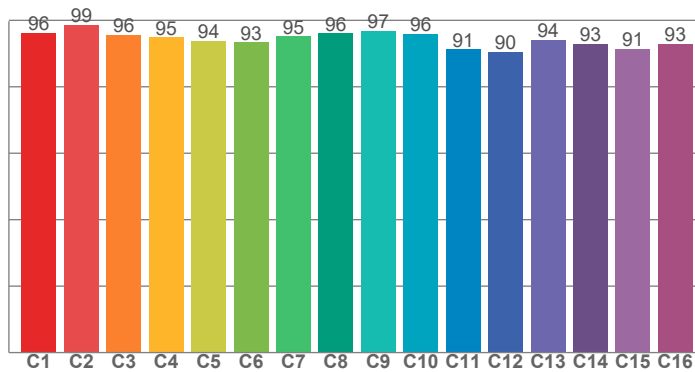
Spectra



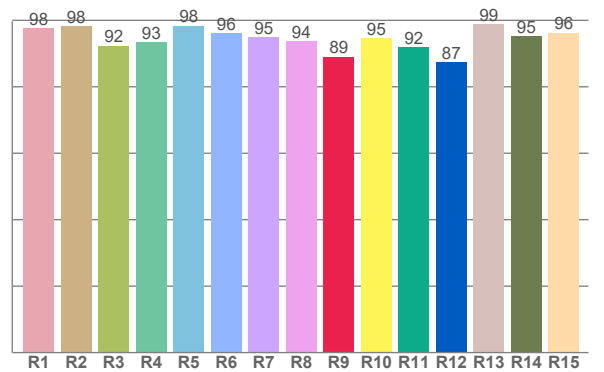
COLOR DETAILS



TM30: 94,6



CRI: 95,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,7	98,1	92,4	93,5	98,3	96,1	95,0	93,6	89,0	94,6	91,9	87,4	98,8	95,3	96,3

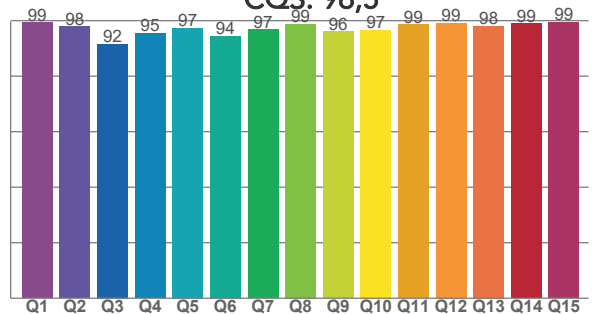
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,3	97,9	91,6	95,4	97,3	94,4	96,7	98,8	96,1	96,6	98,6	99,1	98,0	99,0	99,4

CQS: 96,5



COLOR PARAMETERS

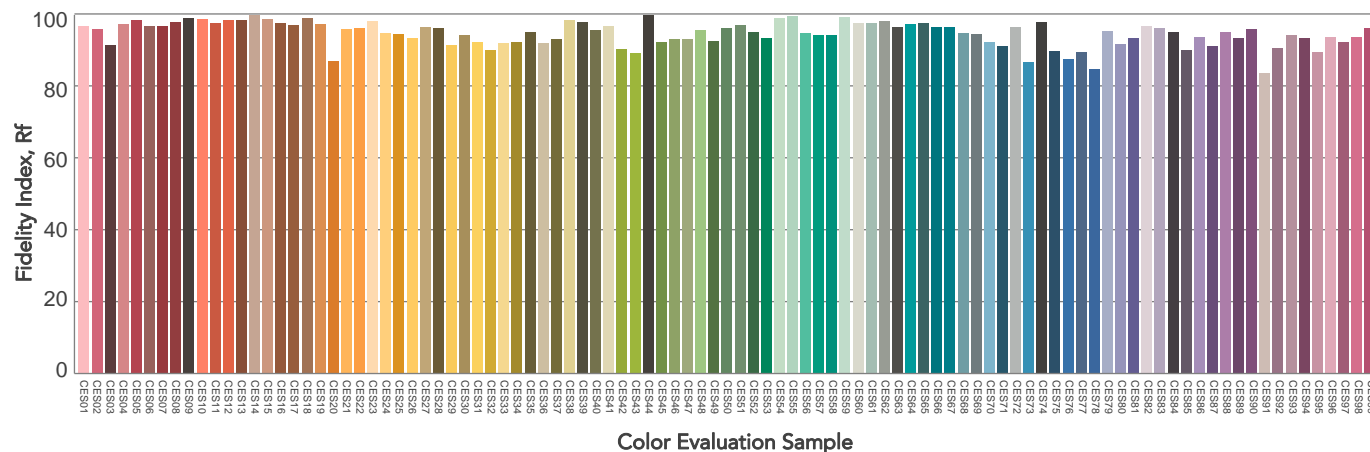
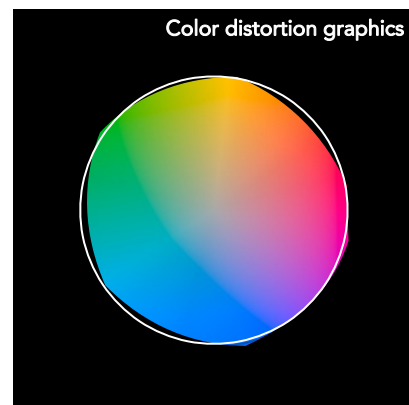
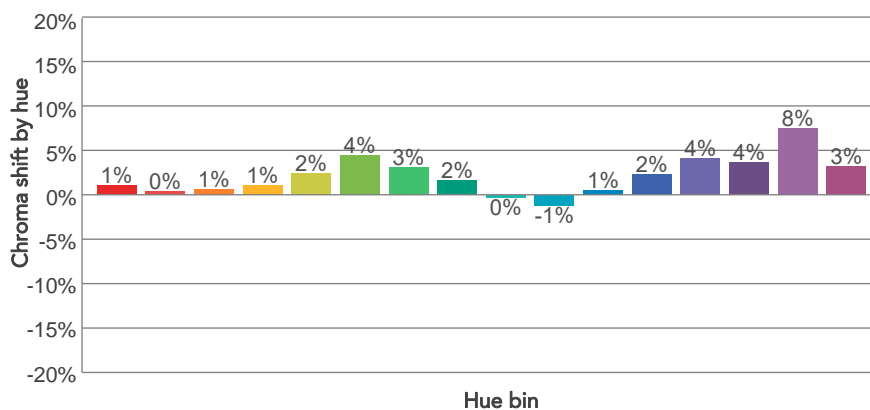
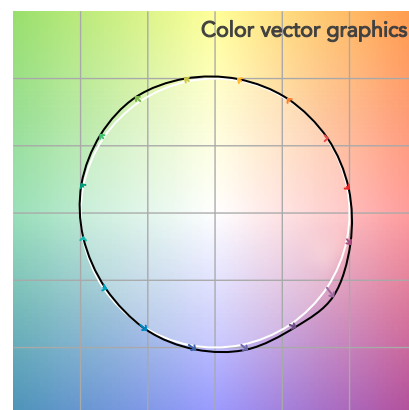
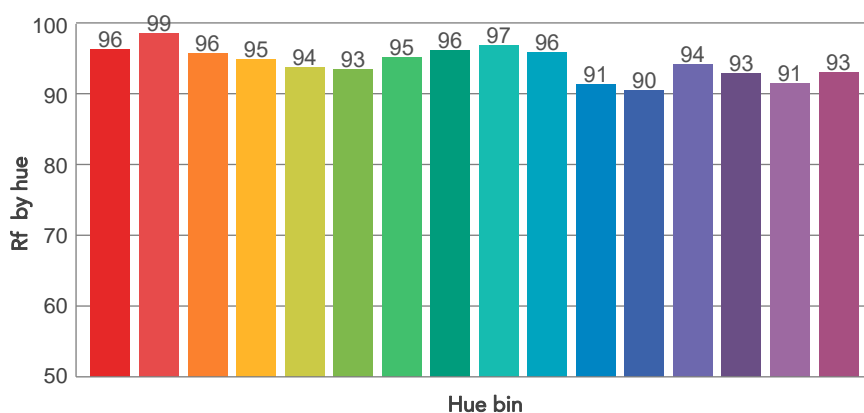
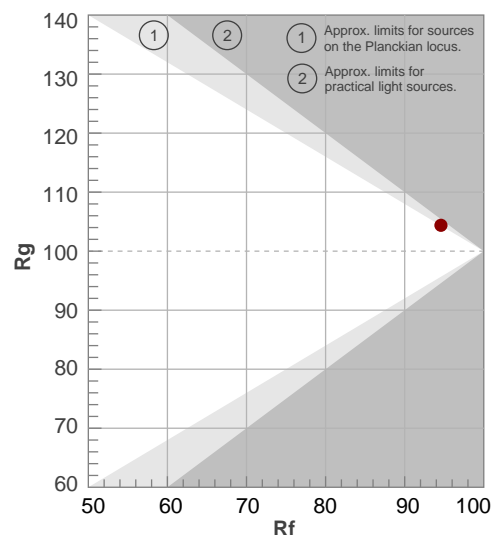
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4566 K	95,6	89,0	94,6	104,4	96,5	98	0,358	0,359	-0,0011

TM30 DETAILS

Rf 94,6
Fidelity index Rf

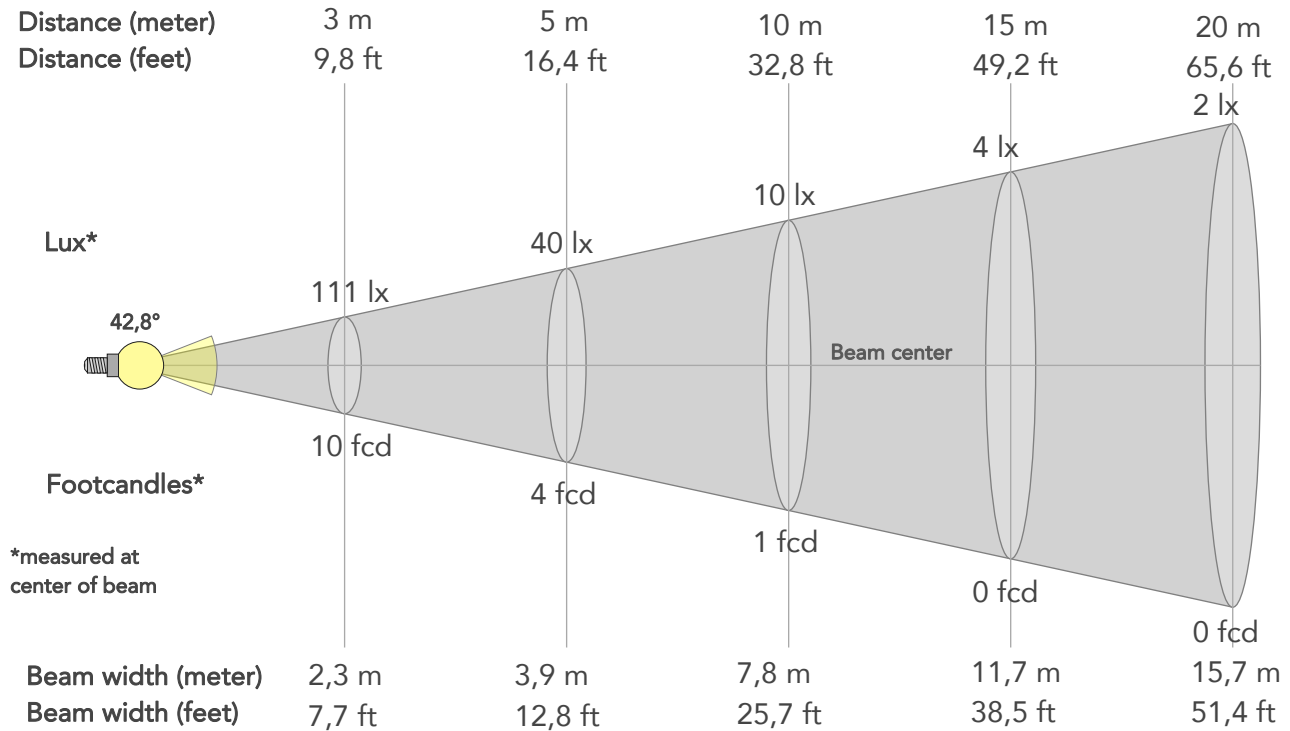
Rg 104,4
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-2%
2	99	0%	0%
3	96	1%	2%
4	95	1%	3%
5	94	2%	3%
6	93	4%	1%
7	95	3%	-1%
8	96	2%	-2%
9	97	0%	-1%
10	96	-1%	2%
11	91	1%	6%
12	90	2%	5%
13	94	4%	3%
14	93	4%	2%
15	91	8%	-3%
16	93	3%	-3%



BEAM DETAILS

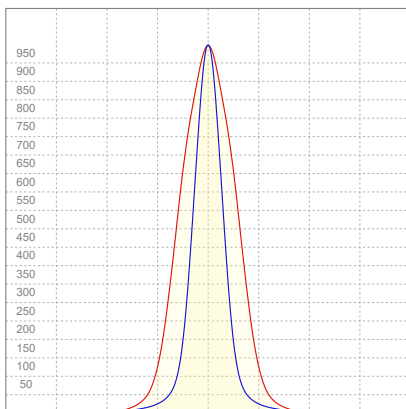
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
42,8°	74,8°	107,4°	96,1%	88,1%



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	997lx	249lx	111lx	62lx	40lx	18lx	10lx	4lx	2lx	2lx	1lx	1lx	0lx
Footcand.	93fcd	23fcd	10fcd	6fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,3m	3,1m	3,9m	5,9m	7,8m	11,7m	15,7m	19,6m	23,5m	31,3m	39,1m
Beam wid.	2,6ft	5,2ft	7,7ft	10,3ft	12,8ft	19,3ft	25,7ft	38,5ft	51,4ft	64,2ft	77ft	102,7ft	128,4ft

LINEAR DISTRIBUTION DIAGRAM

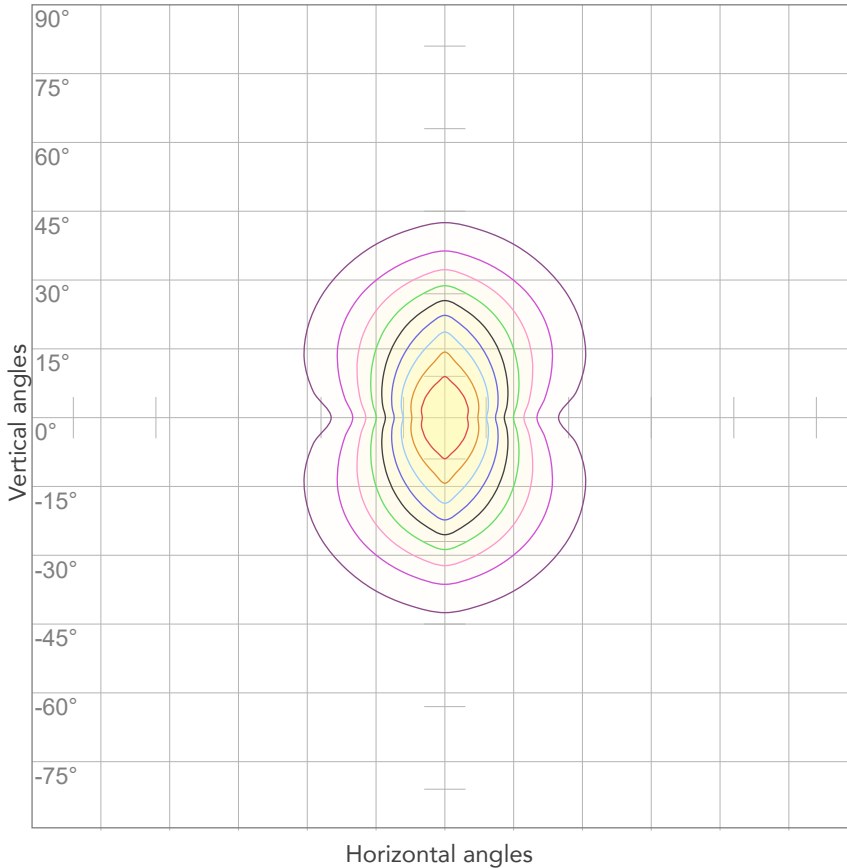


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,124A	25,1W	0,9	26lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



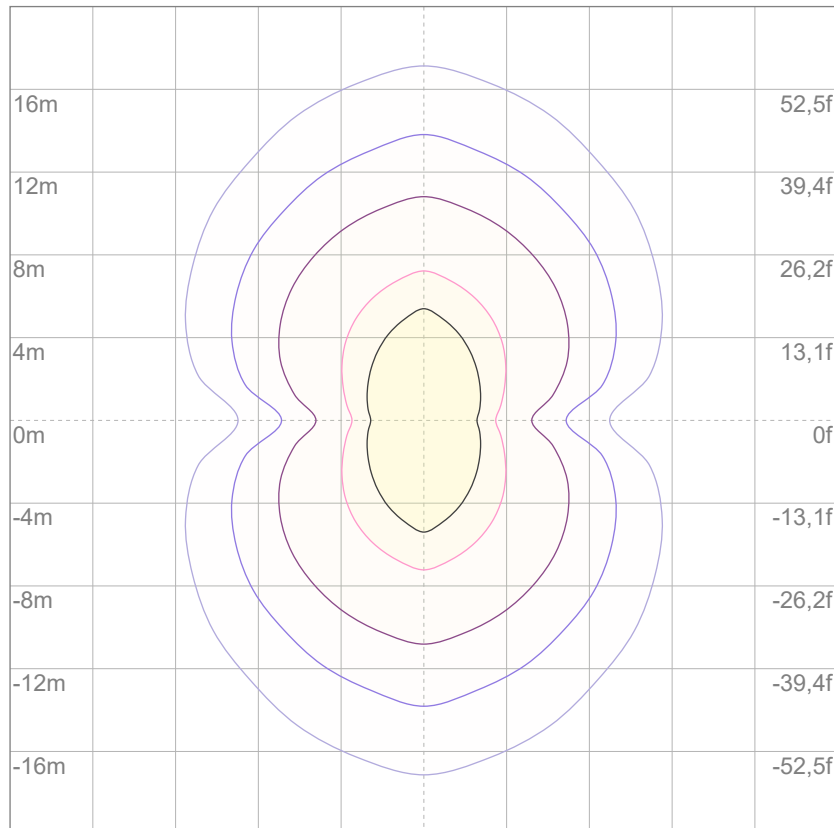
10%	100 cd
20%	199 cd
30%	299 cd
40%	399 cd
50%	498 cd
60%	598 cd
70%	698 cd
80%	798 cd

Conditions:

Number of c-planes: 4

Candela at center: 997 cd

ISO LUX DIAGRAM



3%	0,299 lx
5%	0,498 lx
10%	0,997 lx
30%	2,99 lx
50%	4,98 lx

Conditions:

Number of c-planes: 4

Lux at center: 9,97 lx

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



Total lumen output:

430 lm

Peak candela output:

37999 cd

Light quality:

CRI: 97,1

Color temperature:

2638 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°

Target:

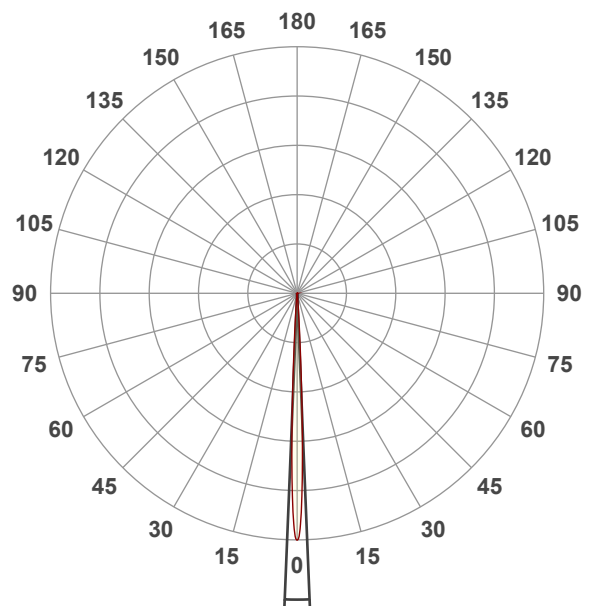
Warm White

Operator:

Salvatore Giglio

Date and time:

04/01/2024 12:30:23

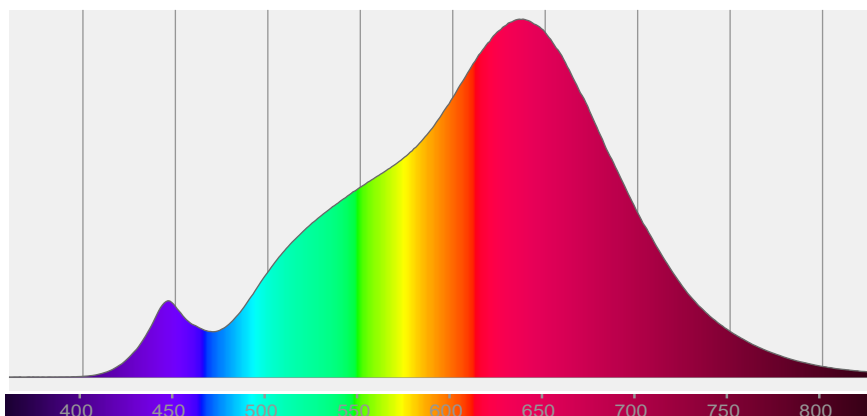


Beam angle 50%: 4,7°

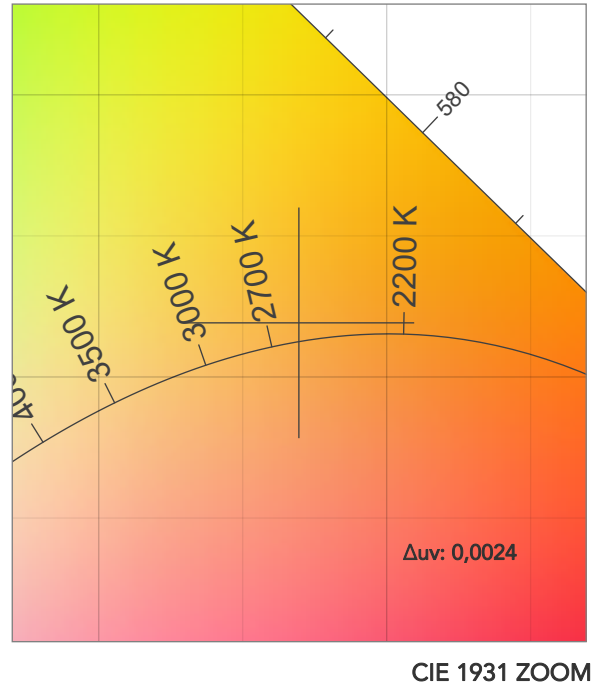
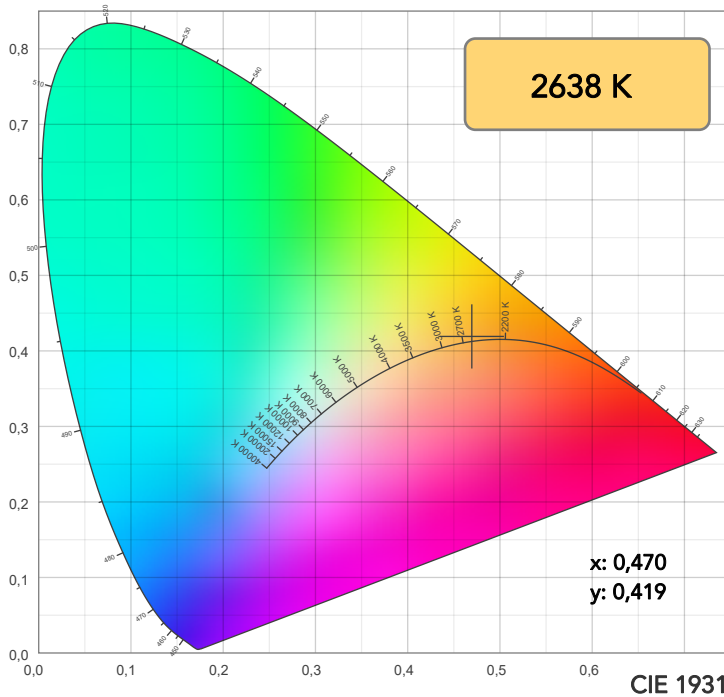
Field angle 10%: 8°

Cut off angle 2.5%: 11,5°

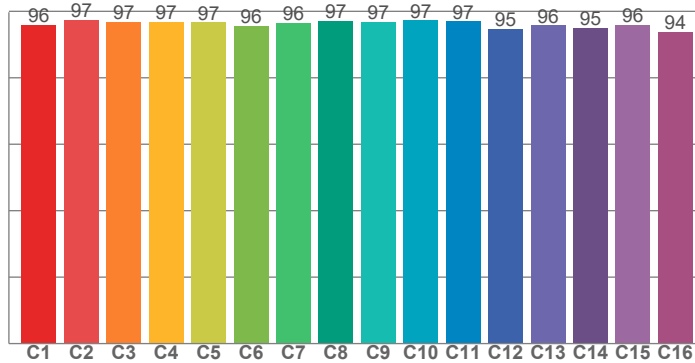
Spectra



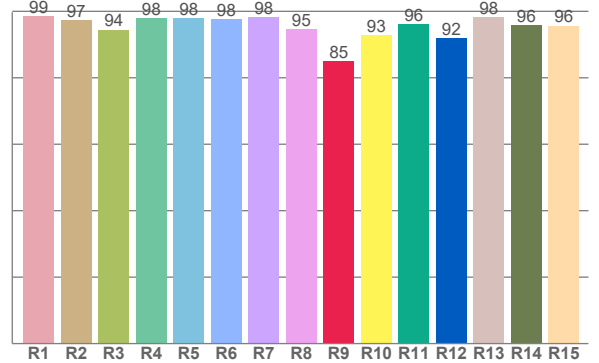
COLOR DETAILS



TM30: 96,3



CRI: 97,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,6	97,3	94,4	97,9	97,9	97,7	98,2	94,7	85,0	92,8	96,2	91,8	98,2	95,9	95,7

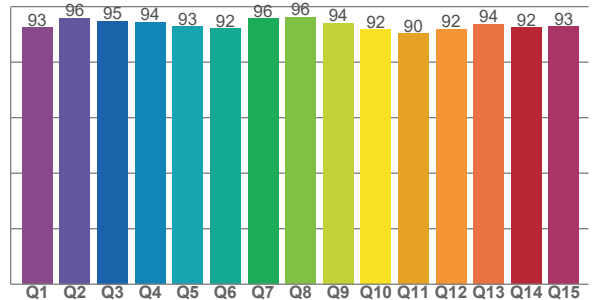
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,5	95,9	94,8	94,3	92,8	92,1	95,6	96,2	94,1	91,7	90,3	91,9	93,8	92,4	92,8

CQS: 93,1



COLOR PARAMETERS

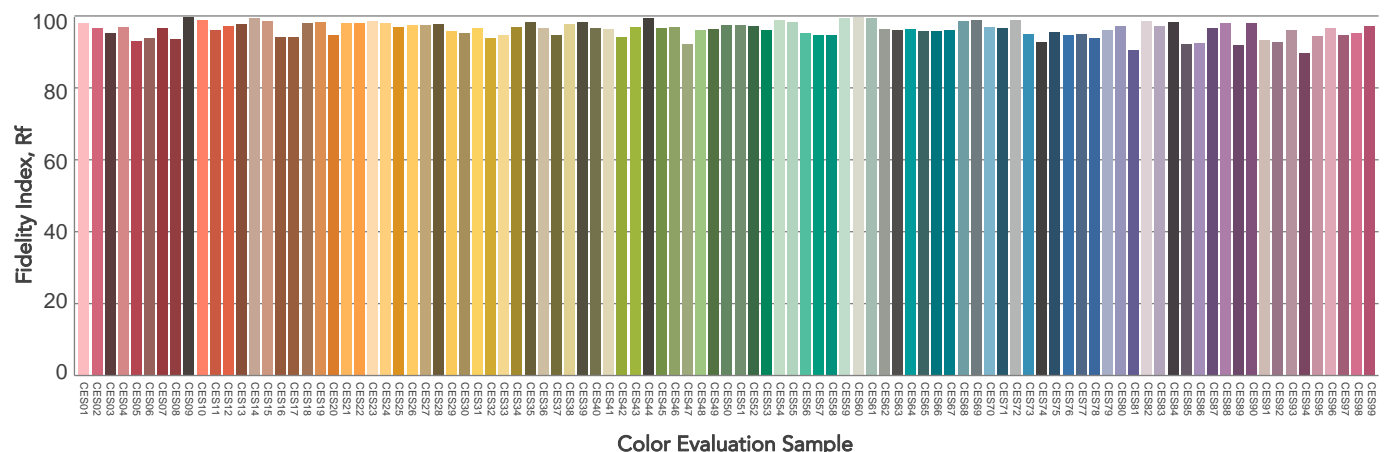
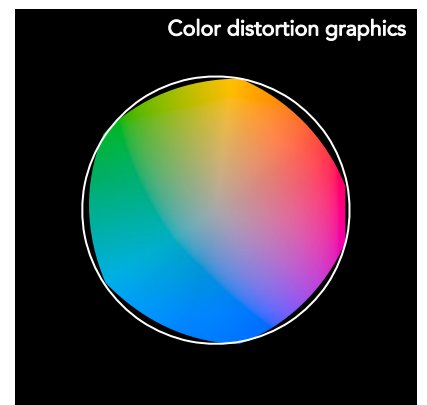
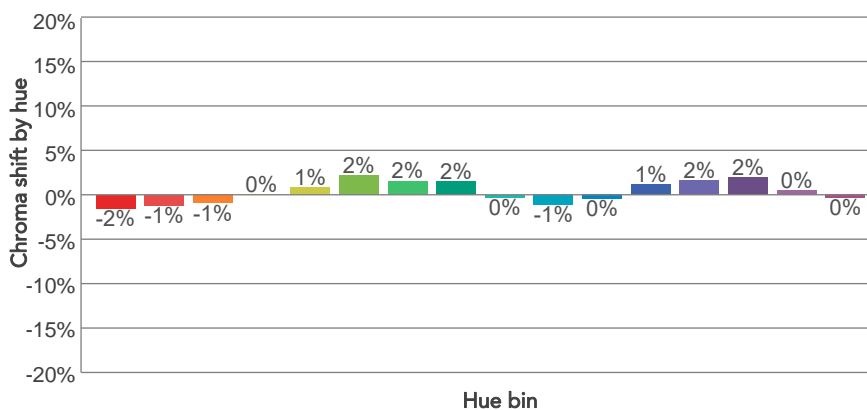
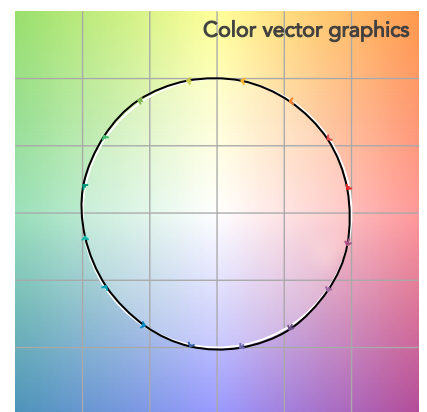
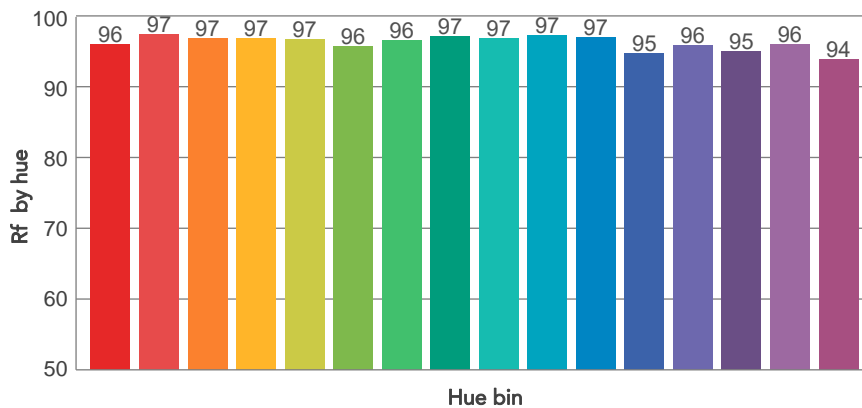
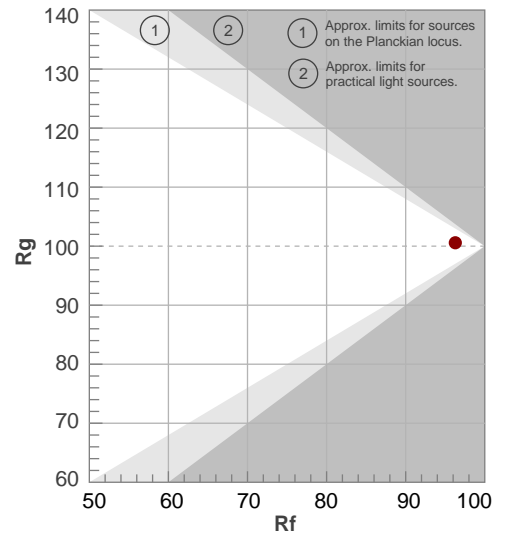
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2638 K	97,1	85,0	96,3	100,6	93,1	97	0,470	0,419	0,0024

TM30 DETAILS

Rf 96,3
Fidelity index Rf

Rg 100,6
Gammut index

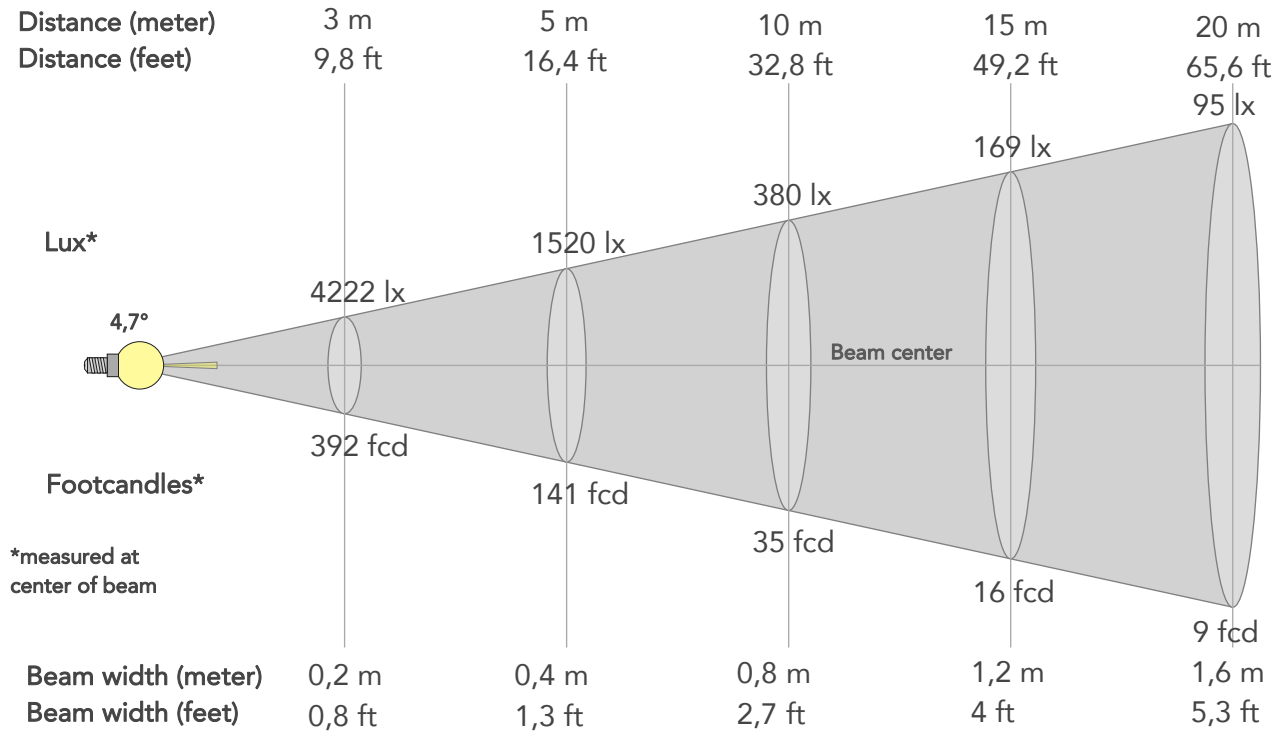
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-2%	-1%
2	97	-1%	0%
3	97	-1%	1%
4	97	0%	1%
5	97	1%	3%
6	96	2%	2%
7	96	2%	-1%
8	97	2%	-1%
9	97	0%	-2%
10	97	-1%	-1%
11	97	0%	2%
12	95	1%	0%
13	96	2%	-3%
14	95	2%	-3%
15	96	0%	-2%
16	94	0%	-4%



BEAM DETAILS



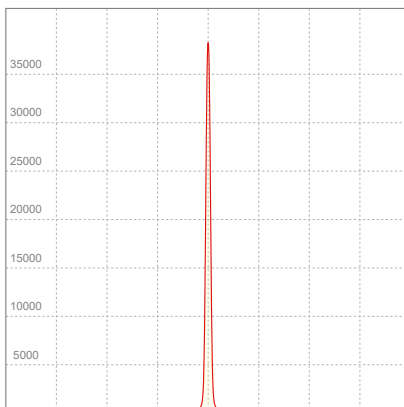
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,7°	8°	11,5°	96,9%	94,4%



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	37999lx	9500lx	4222lx	2375lx	1520lx	676lx	380lx	169lx	95lx	61lx	42lx	24lx	15lx
Footcand.	3530fcd	883fcd	392fcd	221fcd	141fcd	63fcd	35fcd	16fcd	9fcd	6fcd	4fcd	2fcd	1fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,2m	1,6m	2m	2,4m	3,3m	4,1m
Beam wid.	0,3ft	0,5ft	0,8ft	1,1ft	1,3ft	2ft	2,7ft	4ft	5,3ft	6,7ft	8ft	10,7ft	13,3ft

LINEAR DISTRIBUTION DIAGRAM

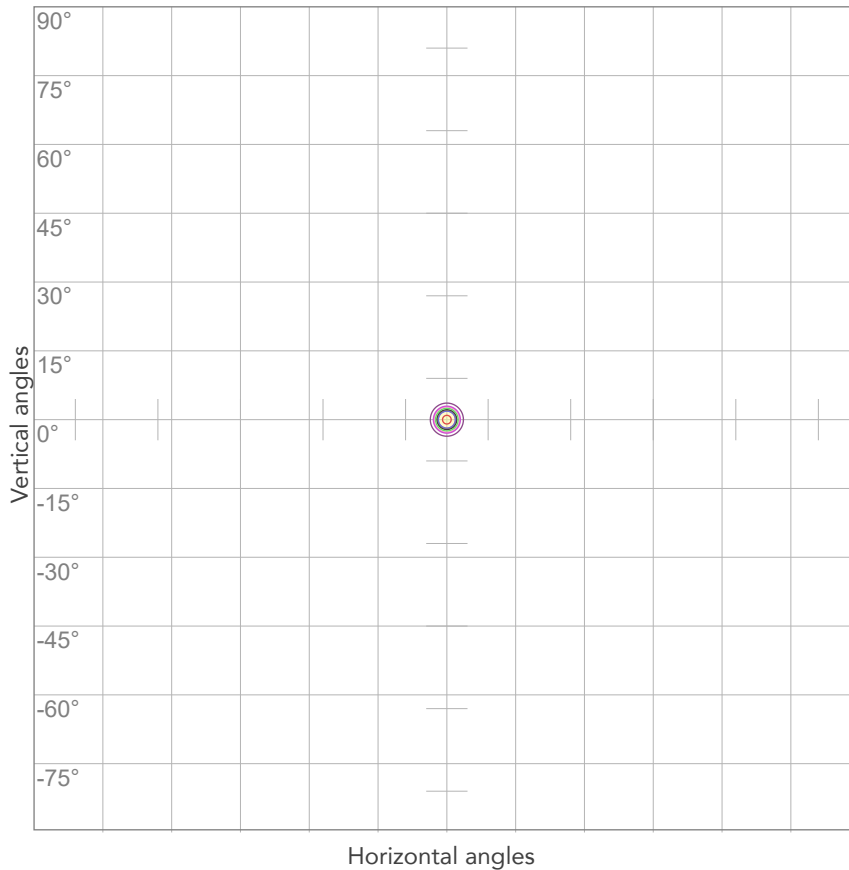


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
229V	0,112A	22,2W	0,86	19lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



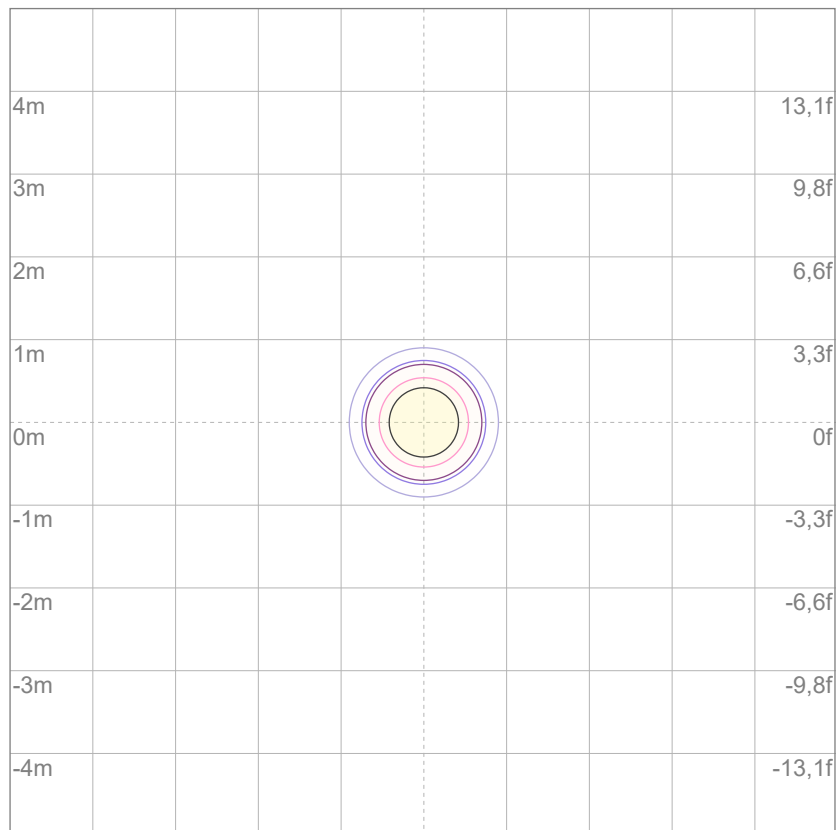
10%	3800 cd
20%	7600 cd
30%	11400 cd
40%	15200 cd
50%	19000 cd
60%	22799 cd
70%	26599 cd
80%	30399 cd

Conditions:

Number of c-planes: 2

Candela at center: 37999 cd

ISO LUX DIAGRAM



3%	11,4 lx
5%	19,0 lx
10%	38,0 lx
30%	114 lx
50%	190 lx

Conditions:

Number of c-planes: 2

Lux at center: 380 lx

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



Total lumen output:

622 lm

Peak candela output:

55485 cd

Light quality:

CRI: 92,0

Color temperature:

6935 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°

Target:

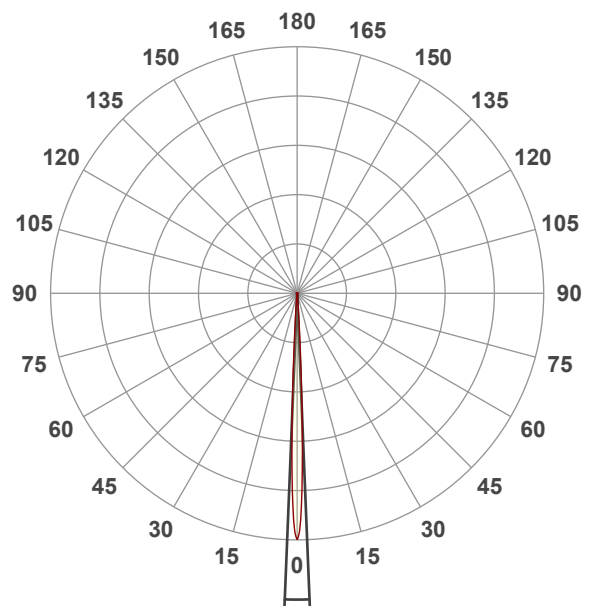
Cold White

Operator:

Salvatore Giglio

Date and time:

04/01/2024 12:31:43

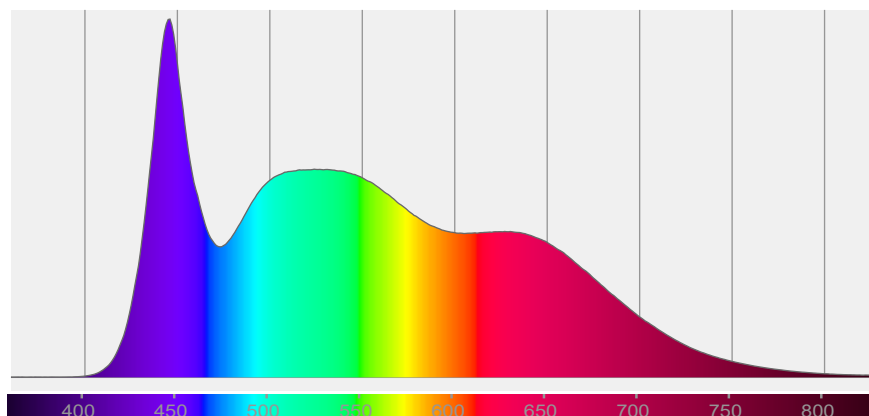


Beam angle 50%: 4,6°

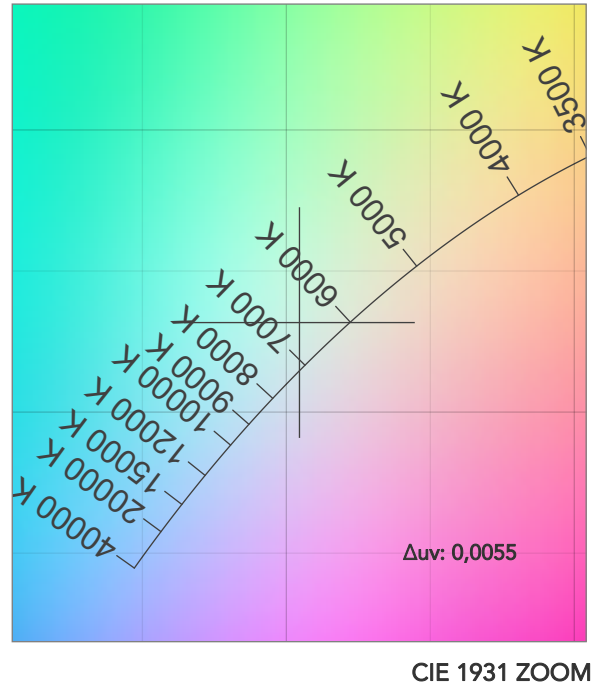
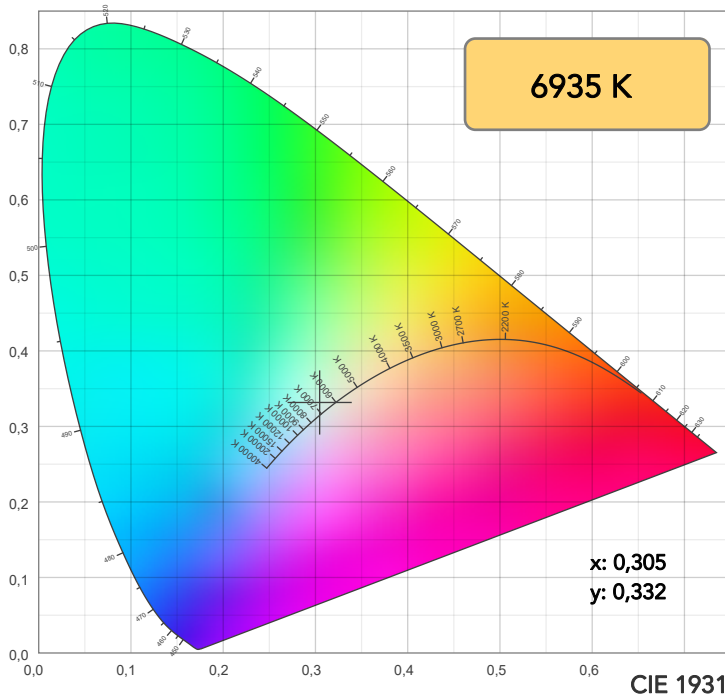
Field angle 10%: 8,1°

Cut off angle 2.5%: 11,5°

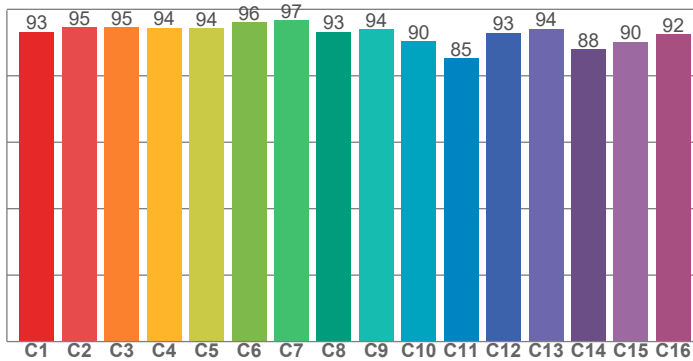
Spectra



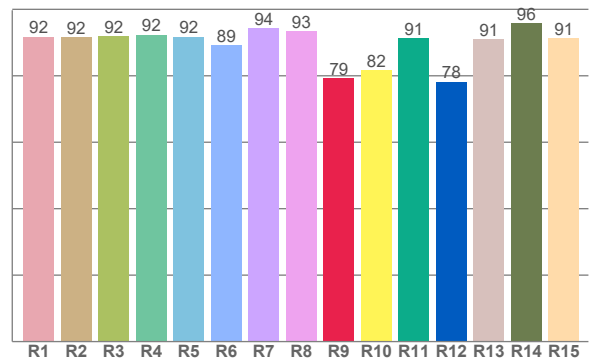
COLOR DETAILS



TM30: 93,1



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
91,8	91,7	91,8	92,3	91,8	89,2	94,2	93,3	79,3	81,7	91,3	78,2	91,1	95,8	91,3

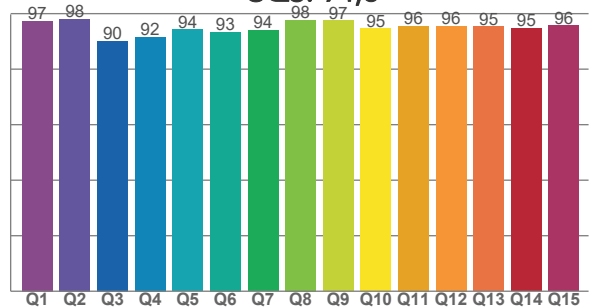
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,2	94,6	94,6	94,4	94,2	96,1	96,7	93,1	94,0	90,4	85,2	92,9	94,2	88,0	90,2	92,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,4	98,1	90,2	91,5	94,2	93,4	94,0	97,7	97,5	94,6	95,5	95,5	95,3	94,7	95,7

CQS: 94,6



COLOR PARAMETERS

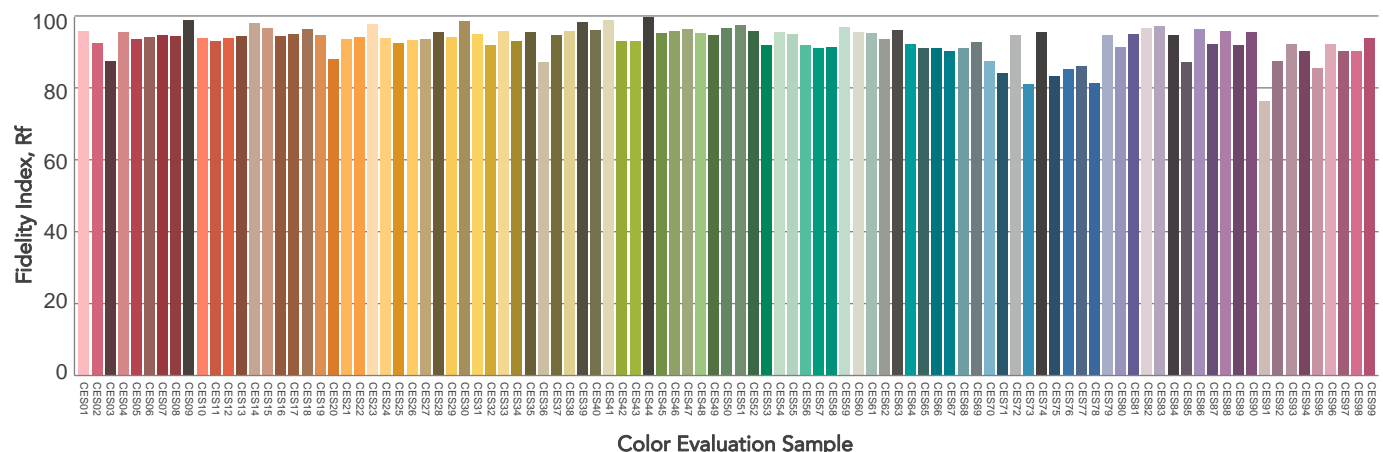
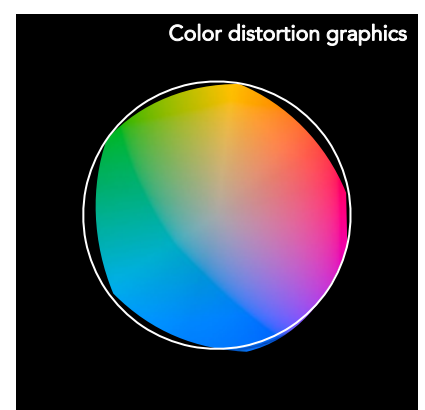
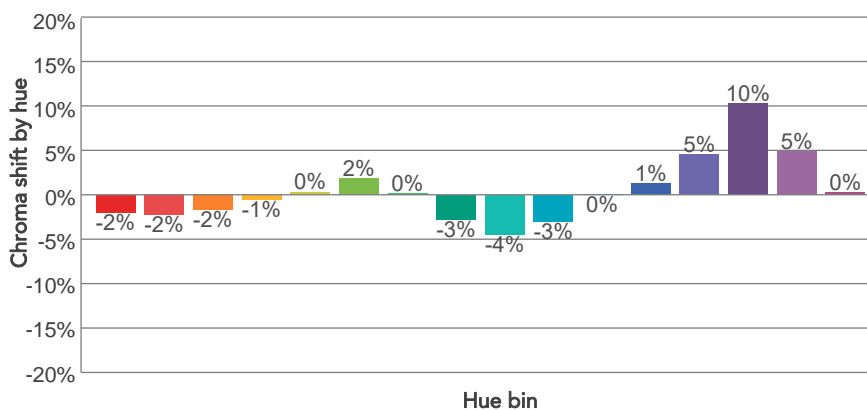
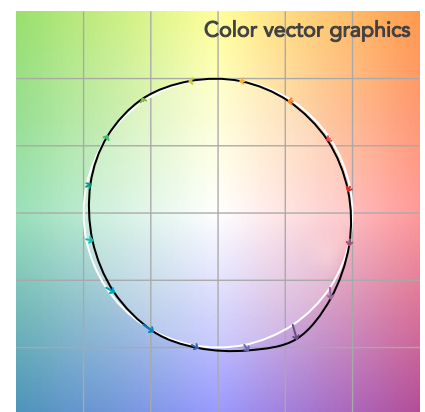
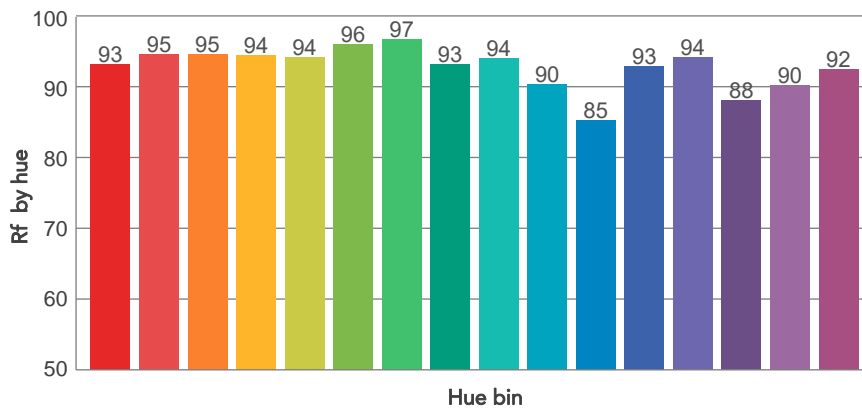
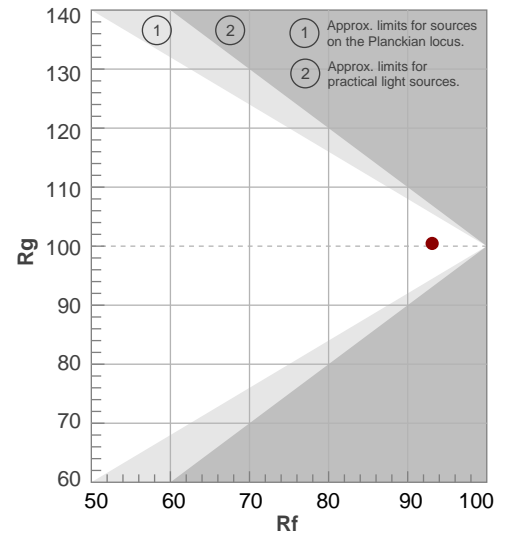
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6935 K	92,0	79,3	93,1	100,5	94,6	99	0,305	0,332	0,0055

TM30 DETAILS

Rf 93,1
Fidelity index Rf

Rg 100,5
Gammut index

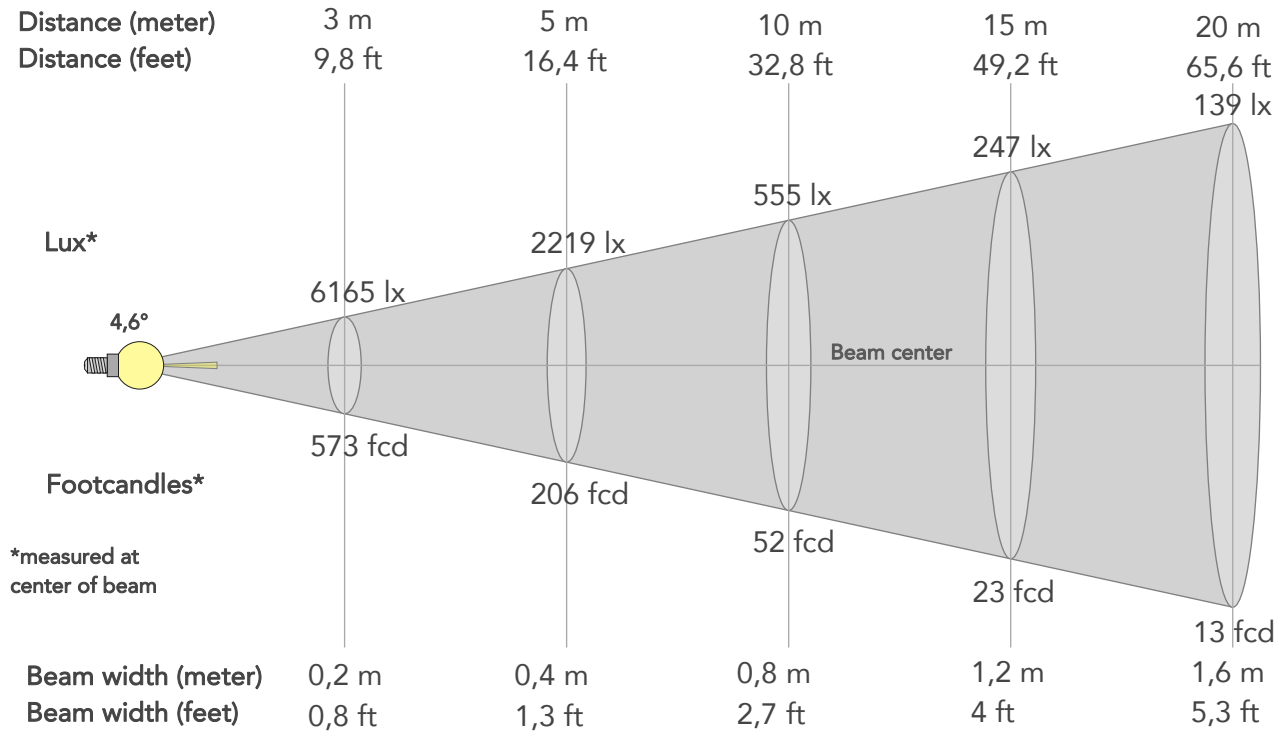
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-2%	-2%
2	95	-2%	0%
3	95	-2%	2%
4	94	-1%	3%
5	94	0%	2%
6	96	2%	-1%
7	97	0%	-2%
8	93	-3%	-2%
9	94	-4%	2%
10	90	-3%	6%
11	85	0%	9%
12	93	1%	5%
13	94	5%	2%
14	88	10%	-3%
15	90	5%	-6%
16	92	0%	-4%



BEAM DETAILS



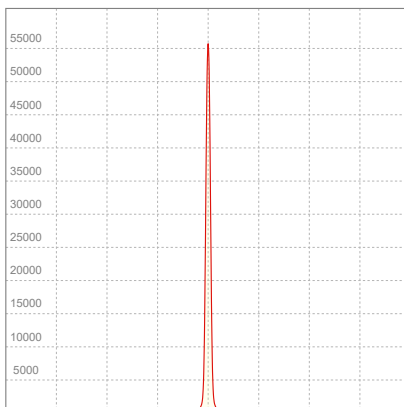
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,6°	8,1°	11,5°	97,1%	94,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	55485lx	13871lx	6165lx	3468lx	2219lx	986lx	555lx	247lx	139lx	89lx	62lx	35lx	22lx
Footcand.	5155fcd	1289fcd	573fcd	322fcd	206fcd	92fcd	52fcd	23fcd	13fcd	8fcd	6fcd	3fcd	2fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,2m	1,6m	2m	2,4m	3,2m	4m
Beam wid.	0,3ft	0,5ft	0,8ft	1,1ft	1,3ft	2ft	2,7ft	4ft	5,3ft	6,6ft	8ft	10,6ft	13,3ft

LINEAR DISTRIBUTION DIAGRAM

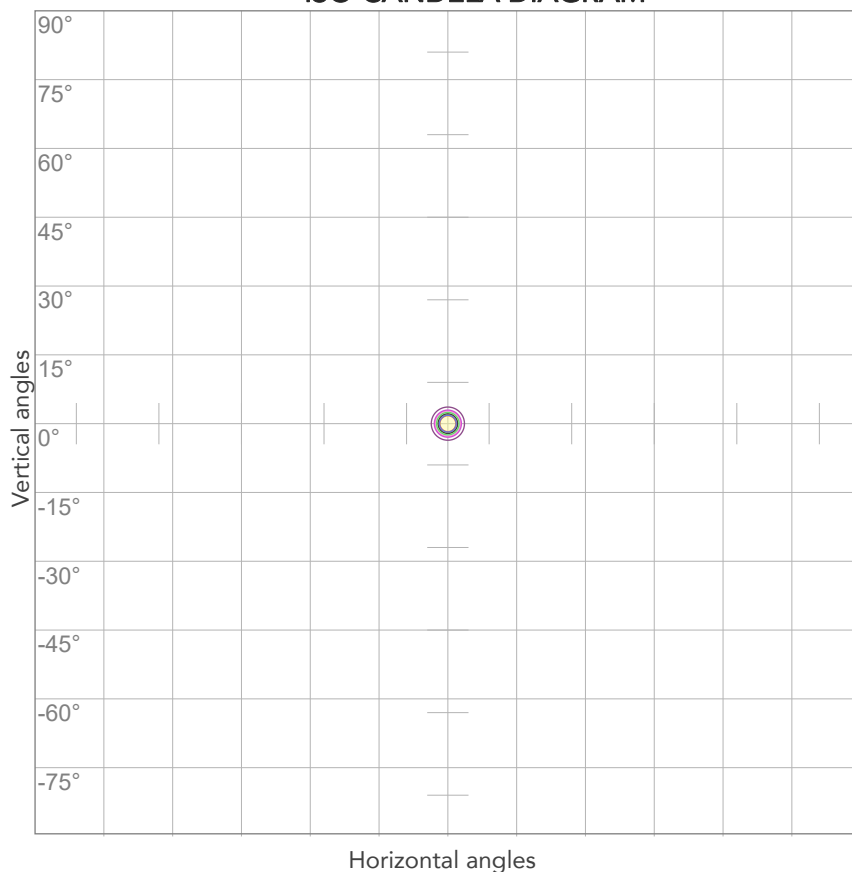


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,112A	22,1W	0,87	28lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



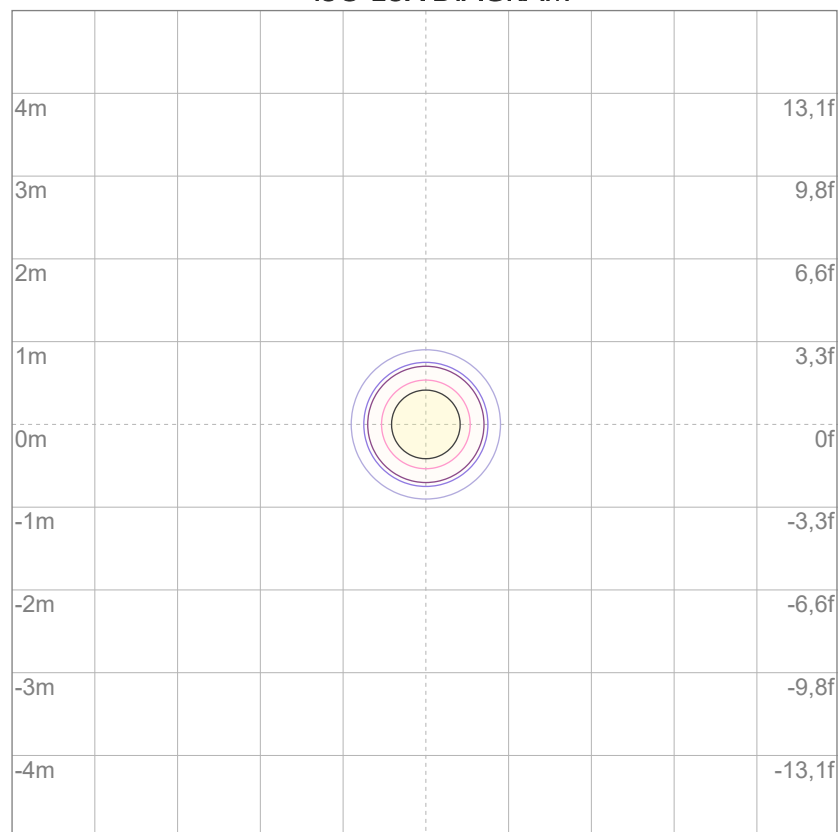
10%	5548 cd
20%	11097 cd
30%	16645 cd
40%	22194 cd
50%	27742 cd
60%	33291 cd
70%	38839 cd
80%	44388 cd

Conditions:

Number of c-planes: 2

Candela at center: 55485 cd

ISO LUX DIAGRAM



3%	16,6 lx
5%	27,7 lx
10%	55,5 lx
30%	166 lx
50%	277 lx

Conditions:

Number of c-planes: 2

Lux at center: 555 lx

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



Total lumen output:

445 lm

Peak candela output:

34679 cd

Light quality:

CRI: 97,5

Color temperature:

2705 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°

Target:

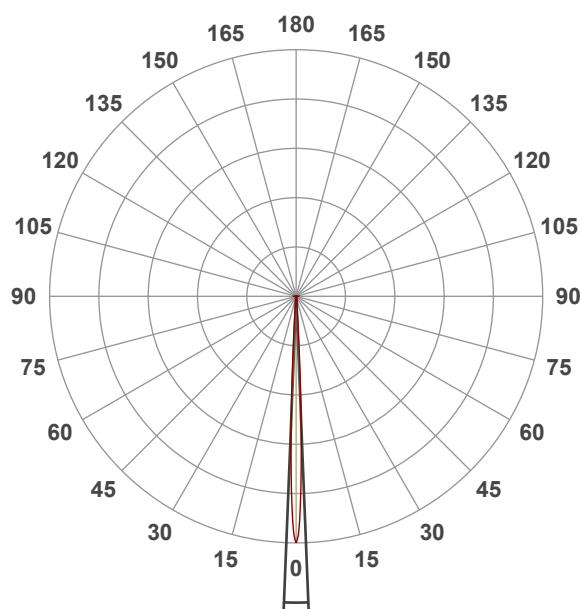
2700K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 15:59:36

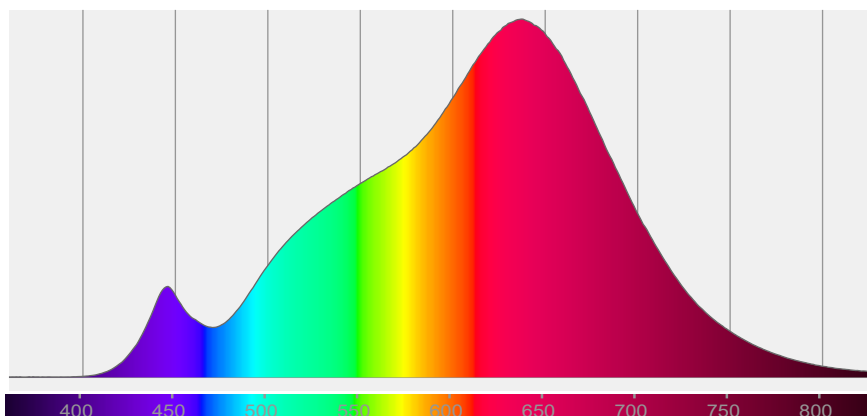


Beam angle 50%: 4,6°

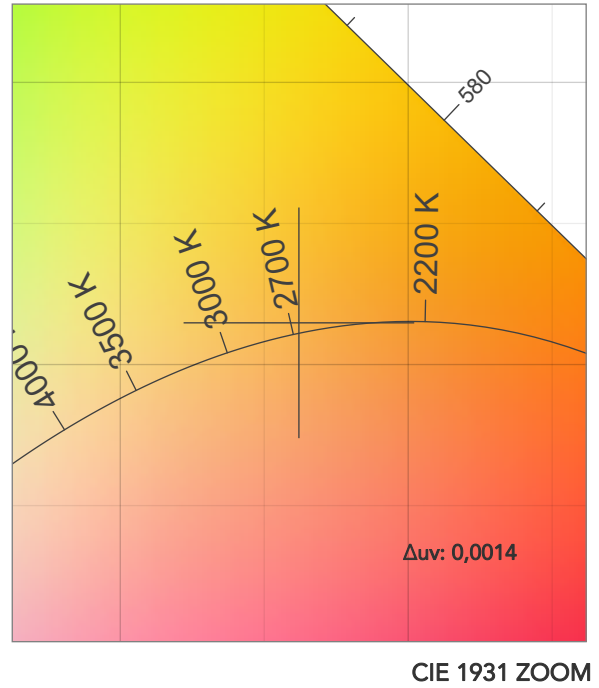
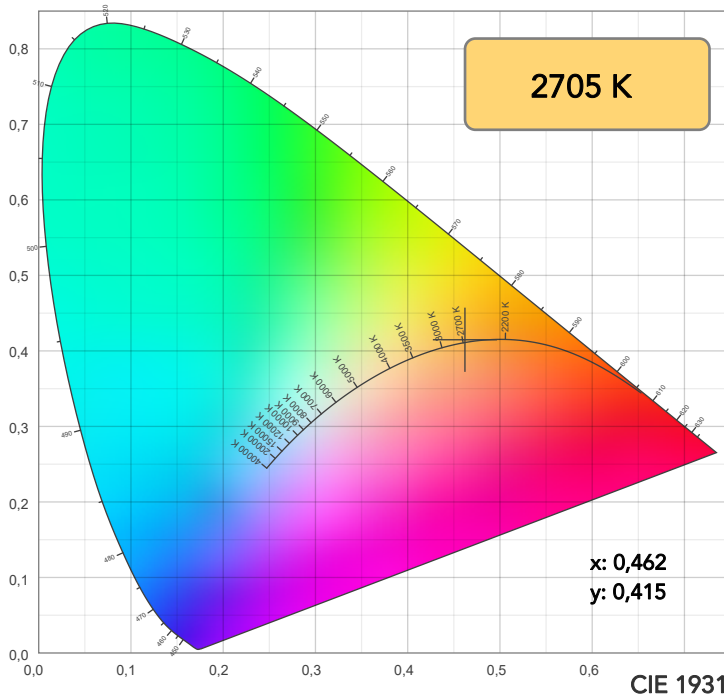
Field angle 10%: 8,1°

Cut off angle 2.5%: 12,6°

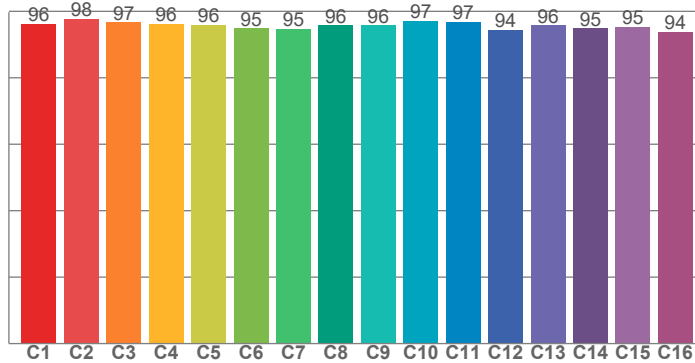
Spectra



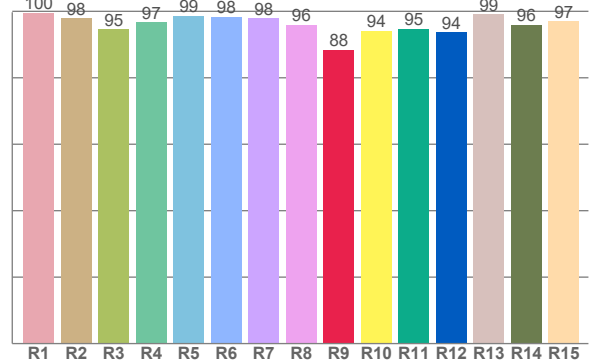
COLOR DETAILS



TM30: 95,9



CRI: 97,5 (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
99,5	98,0	94,6	96,7	98,7	98,4	97,9	96,0	88,4	94,2	94,8	93,6	99,2	96,0	97,0

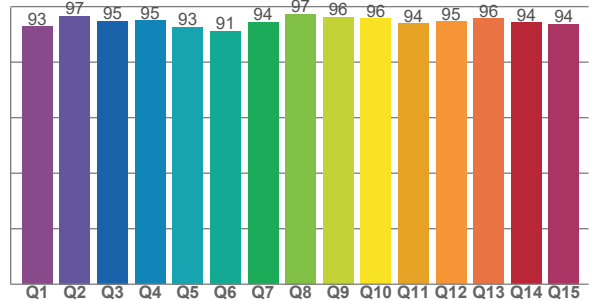
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,8	96,5	94,8	95,0	92,7	91,2	94,4	97,3	96,2	95,7	94,0	94,7	95,7	94,2	93,7

CQS: 94,2



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2705 K	97,5	88,4	95,9	101,7	94,2	97	0,462	0,415	0,0014

TM30 DETAILS

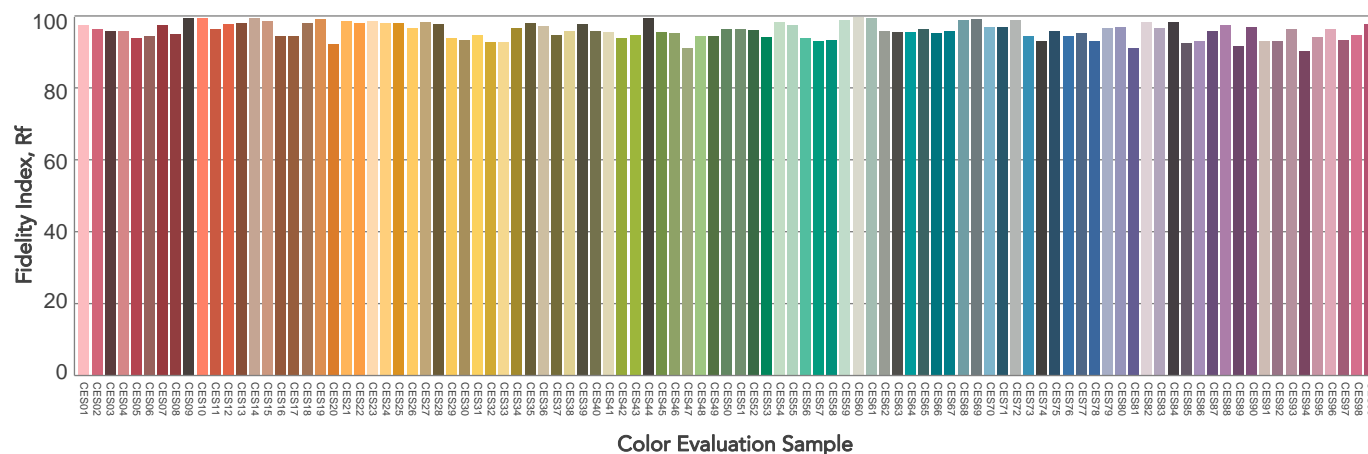
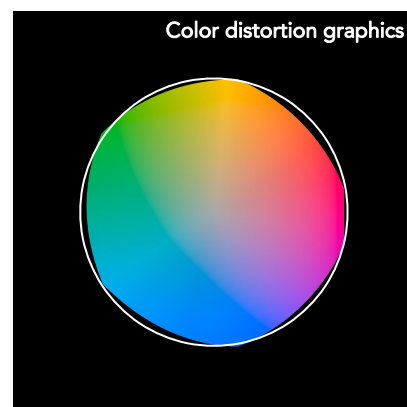
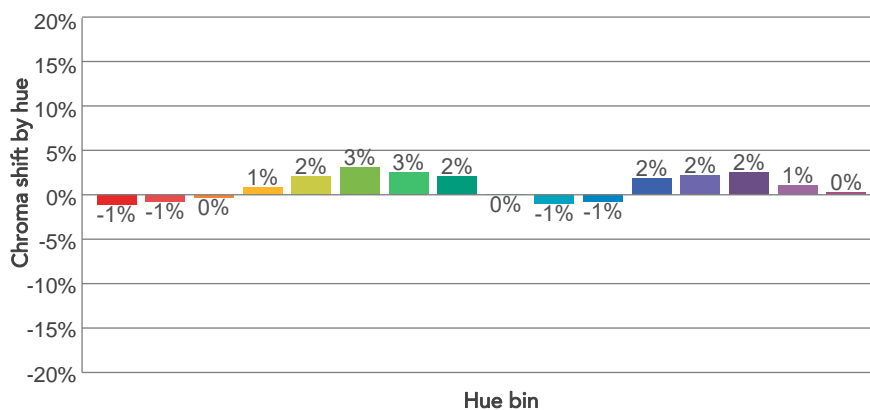
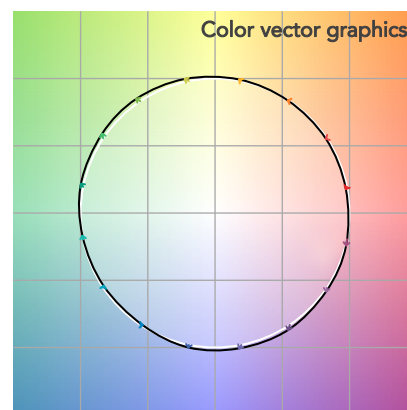
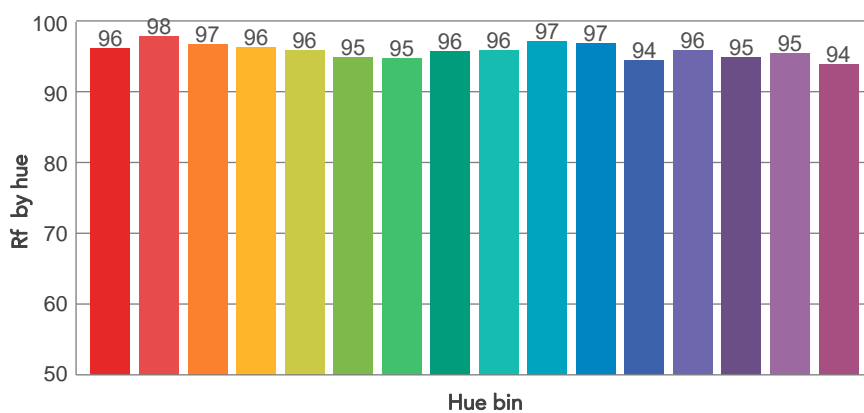
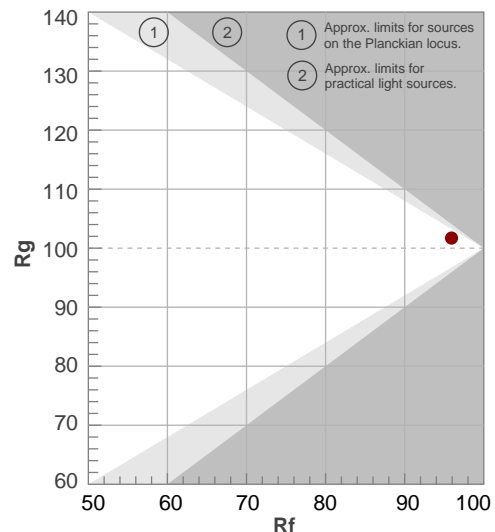
Rf 95,9

Fidelity index R_f

Rg 101,7

Gammut index

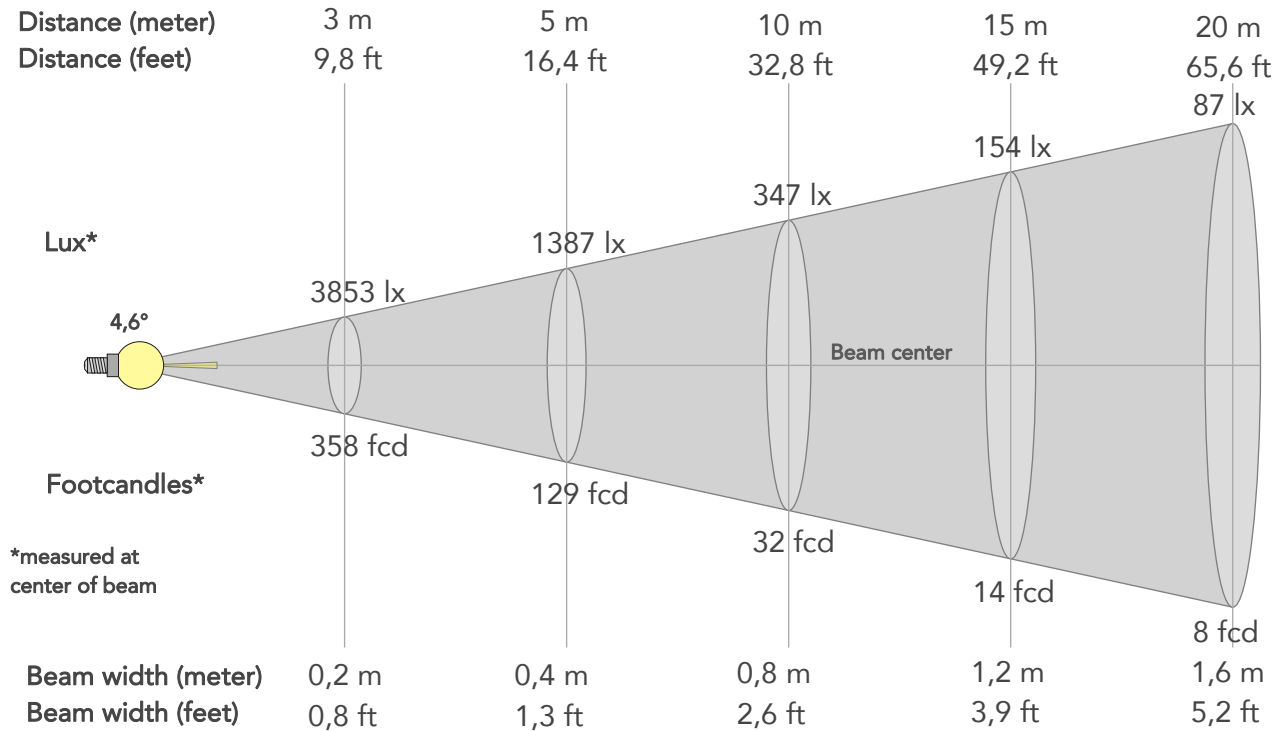
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	96	-1%	-1%
2	98	-1%	0%
3	97	0%	1%
4	96	1%	2%
5	96	2%	3%
6	95	3%	2%
7	95	3%	-2%
8	96	2%	-2%
9	96	0%	-3%
10	97	-1%	-1%
11	97	-1%	1%
12	94	2%	0%
13	96	2%	-2%
14	95	2%	-3%
15	95	1%	-3%
16	94	0%	-5%



BEAM DETAILS



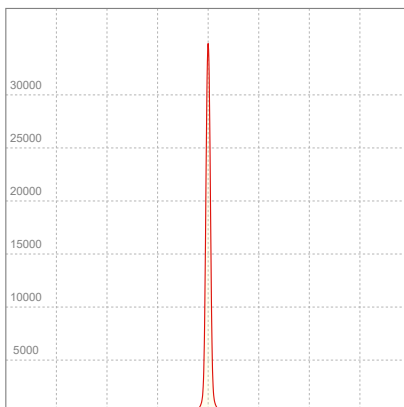
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,6°	8,1°	12,6°	94,5%	90,5%



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	34679lx	8670lx	3853lx	2167lx	1387lx	617lx	347lx	154lx	87lx	55lx	39lx	22lx	14lx
Footcand.	3222fcd	805fcd	358fcd	201fcd	129fcd	57fcd	32fcd	14fcd	8fcd	5fcd	4fcd	2fcd	1fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,2m	1,6m	2m	2,4m	3,2m	4m
Beam wid.	0,3ft	0,5ft	0,8ft	1ft	1,3ft	2ft	2,6ft	3,9ft	5,2ft	6,5ft	7,8ft	10,4ft	13,1ft

LINEAR DISTRIBUTION DIAGRAM

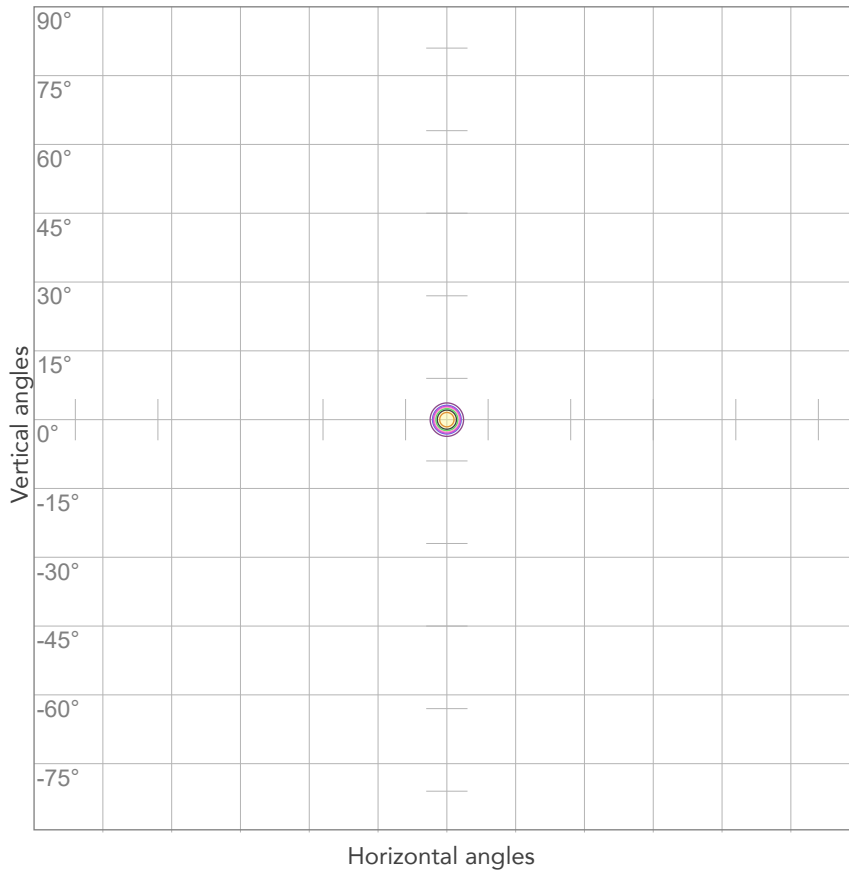


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,115A	22,9W	0,88	19lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



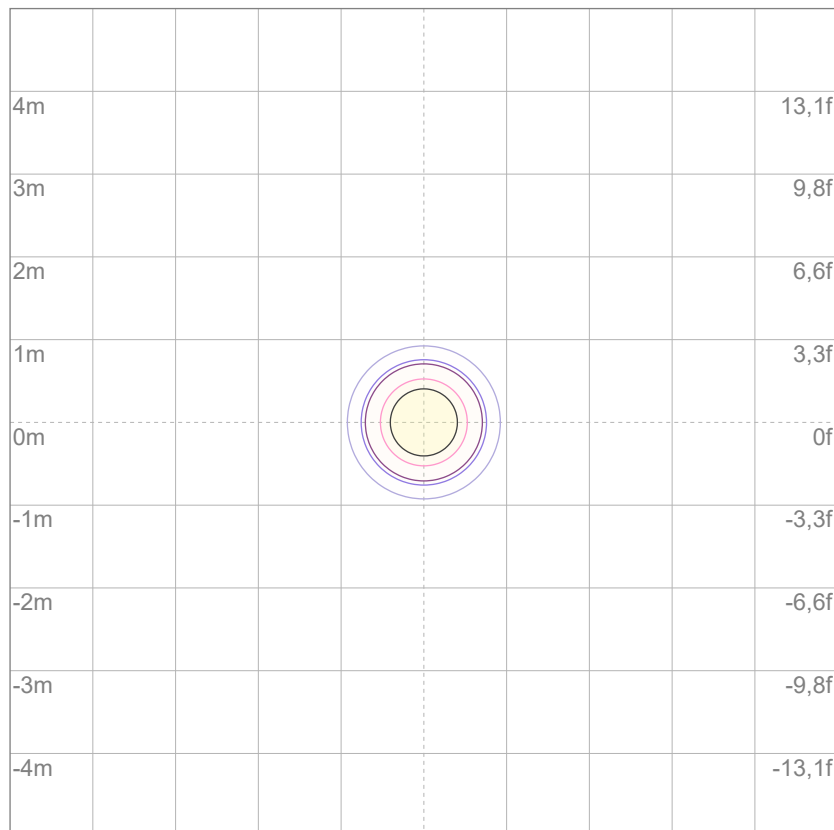
10%	3468 cd
20%	6936 cd
30%	10404 cd
40%	13872 cd
50%	17340 cd
60%	20808 cd
70%	24276 cd
80%	27743 cd

Conditions:

Number of c-planes: 2

Candela at center: 34679 cd

ISO LUX DIAGRAM



3%	10,4 lx
5%	17,3 lx
10%	34,7 lx
30%	104 lx
50%	173 lx

Conditions:

Number of c-planes: 2

Lux at center: 347 lx

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



Total lumen output:

389 lm

Peak candela output:

1790 cd

Light quality:

CRI: 97,7

Color temperature:

2723 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 20° Filter

Target:

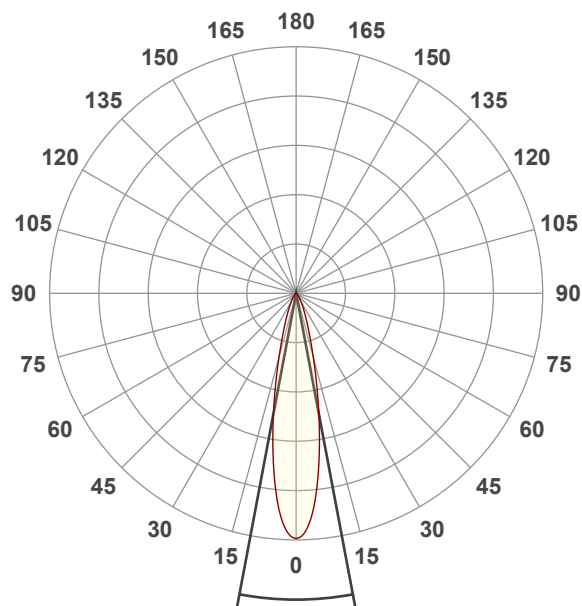
2700K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 16:44:23

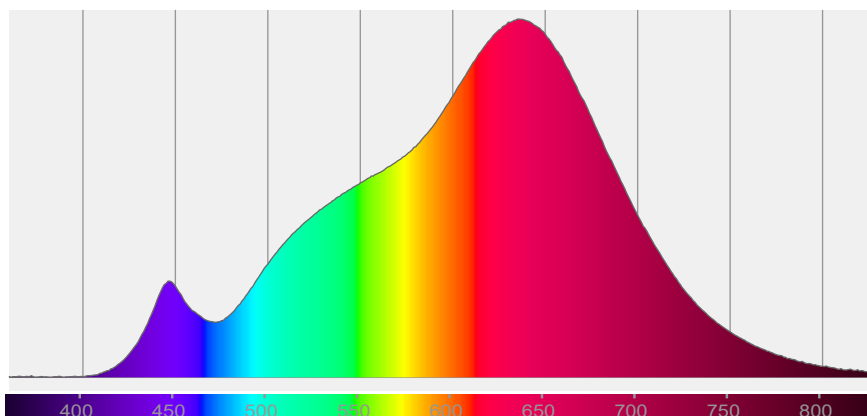


Beam angle 50%: 21,3°

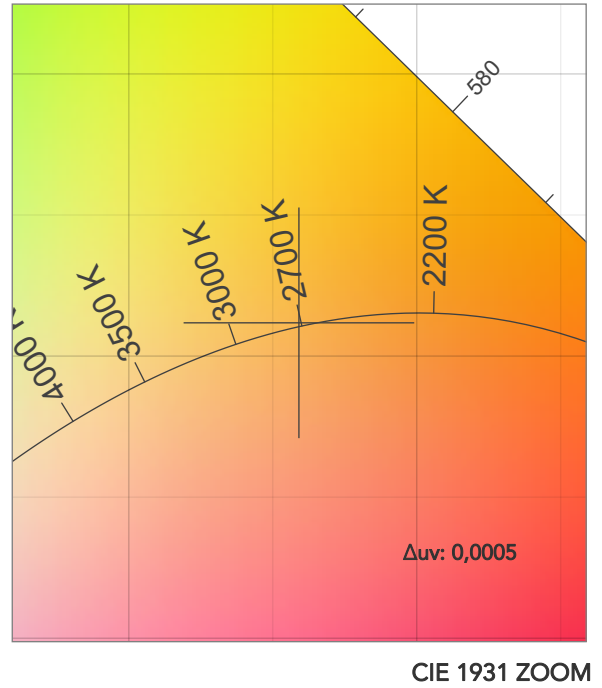
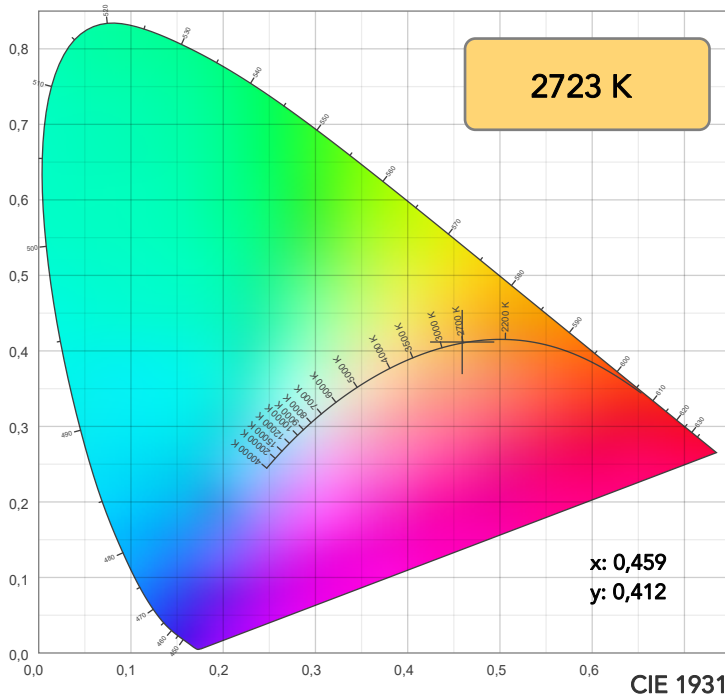
Field angle 10%: 44,4°

Cut off angle 2.5%: 69,3°

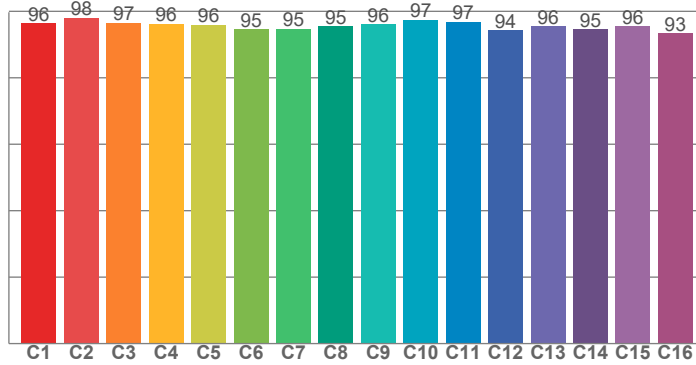
Spectra



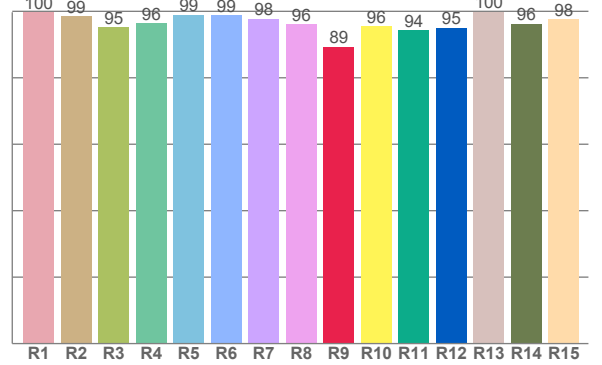
COLOR DETAILS



TM30: 95,9



CRI: 97,7 (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
99,8	98,6	95,2	96,5	99,0	98,9	97,8	96,1	89,4	95,6	94,3	95,0	99,8	96,3	97,7

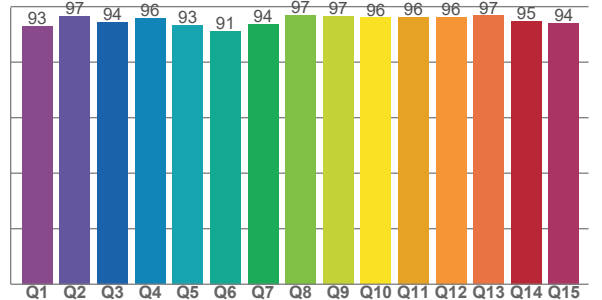
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,1	96,6	94,5	95,8	93,3	91,2	93,7	97,0	96,6	96,0	96,2	96,3	96,8	94,9	94,1

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
2723 K	97,7	89,4	95,9	102,1	94,6	97	0,459	0,412	0,0005

TM30 DETAILS

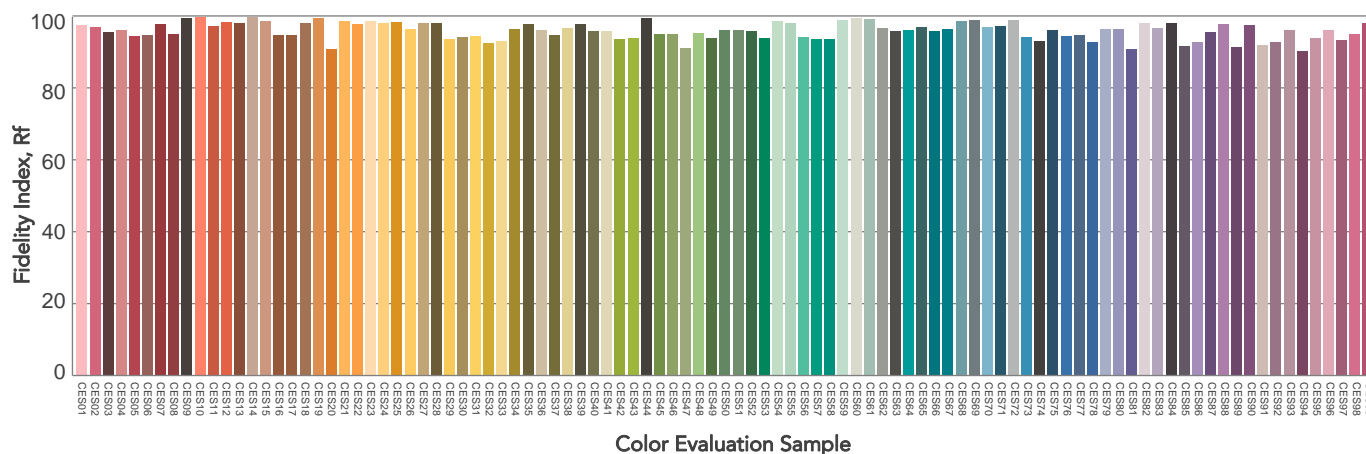
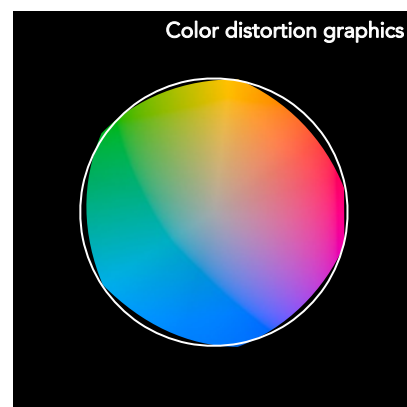
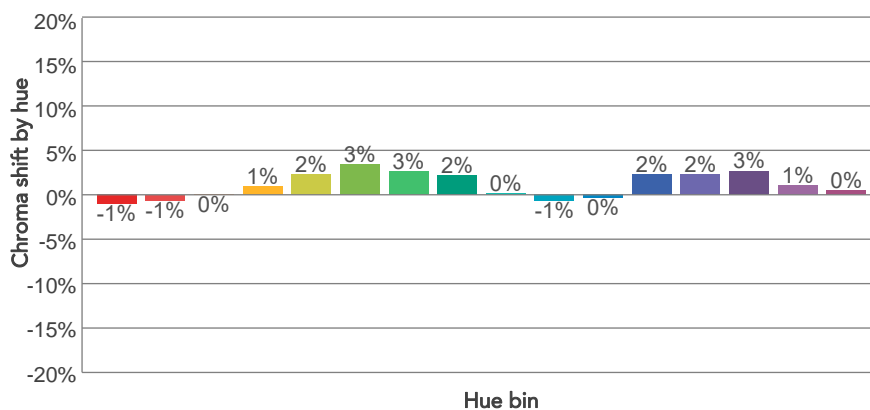
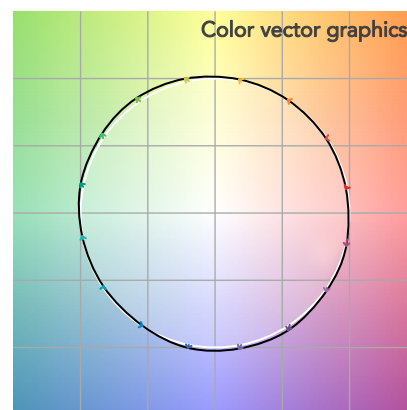
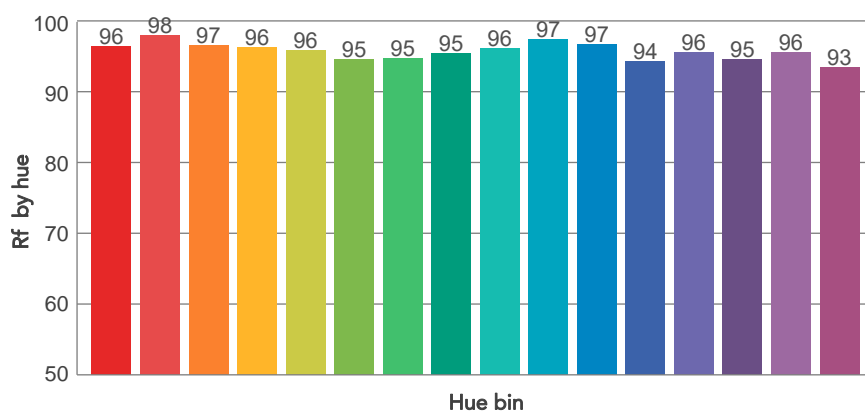
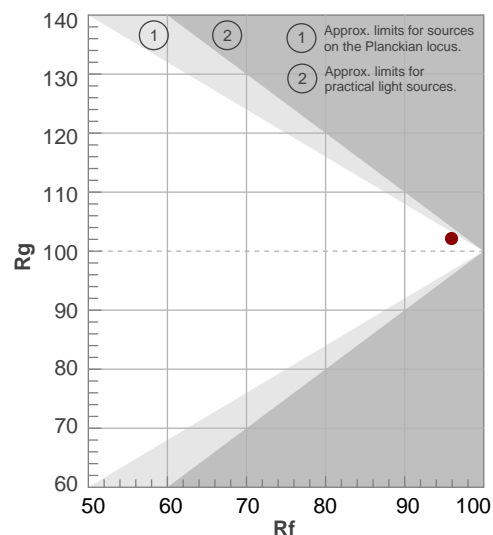
Rf 95,9

Fidelity index R_f

Rg 102,1

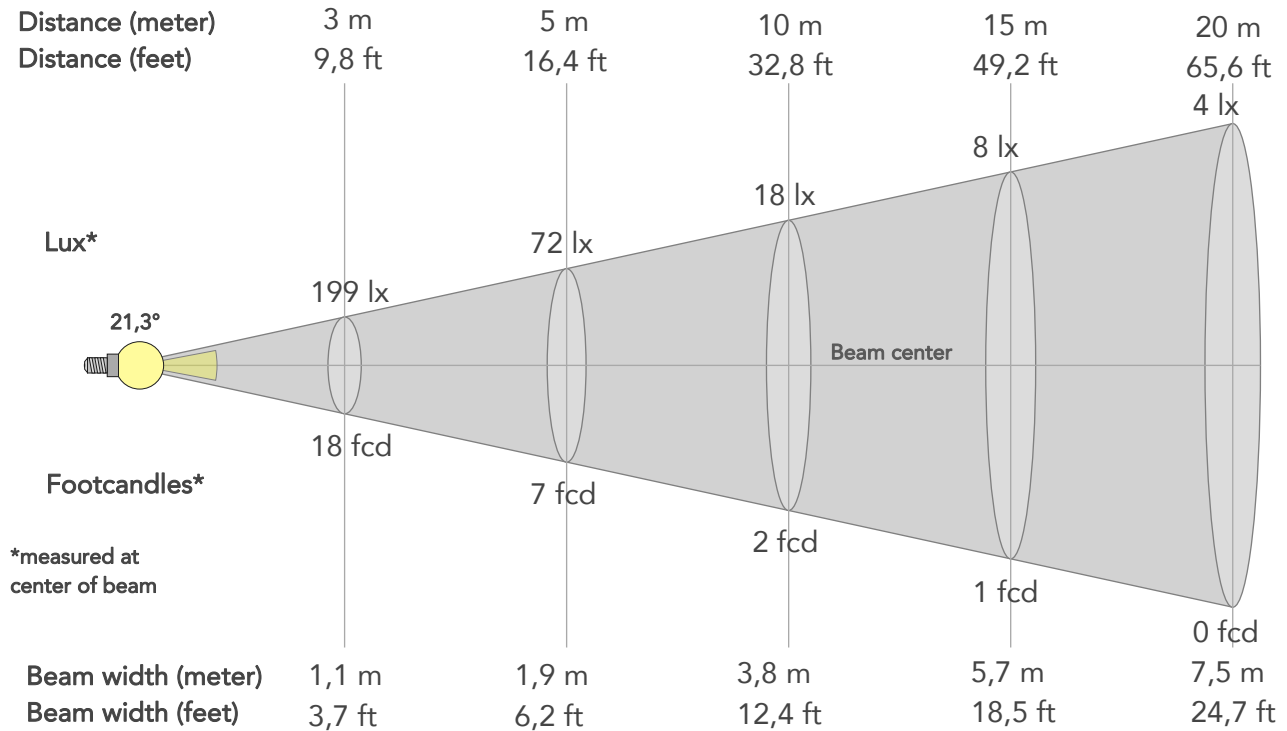
Gammut index

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



BEAM DETAILS

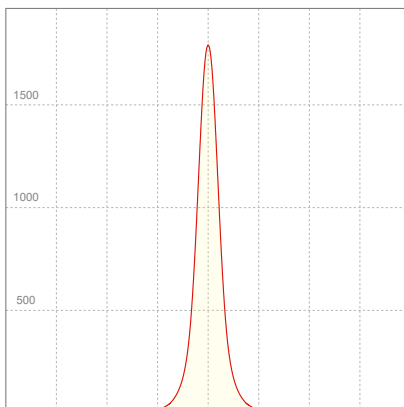
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,3°	44,4°	69,3°	97,1%	93,4%



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	1790lx	448lx	199lx	112lx	72lx	32lx	18lx	8lx	4lx	3lx	2lx	1lx	1lx
Footcand.	166fcd	42fcd	18fcd	10fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,1m	1,5m	1,9m	2,8m	3,8m	5,7m	7,5m	9,4m	11,3m	15,1m	18,8m
Beam wid.	1,2ft	2,5ft	3,7ft	4,9ft	6,2ft	9,3ft	12,4ft	18,5ft	24,7ft	30,9ft	37,1ft	49,4ft	61,8ft

LINEAR DISTRIBUTION DIAGRAM

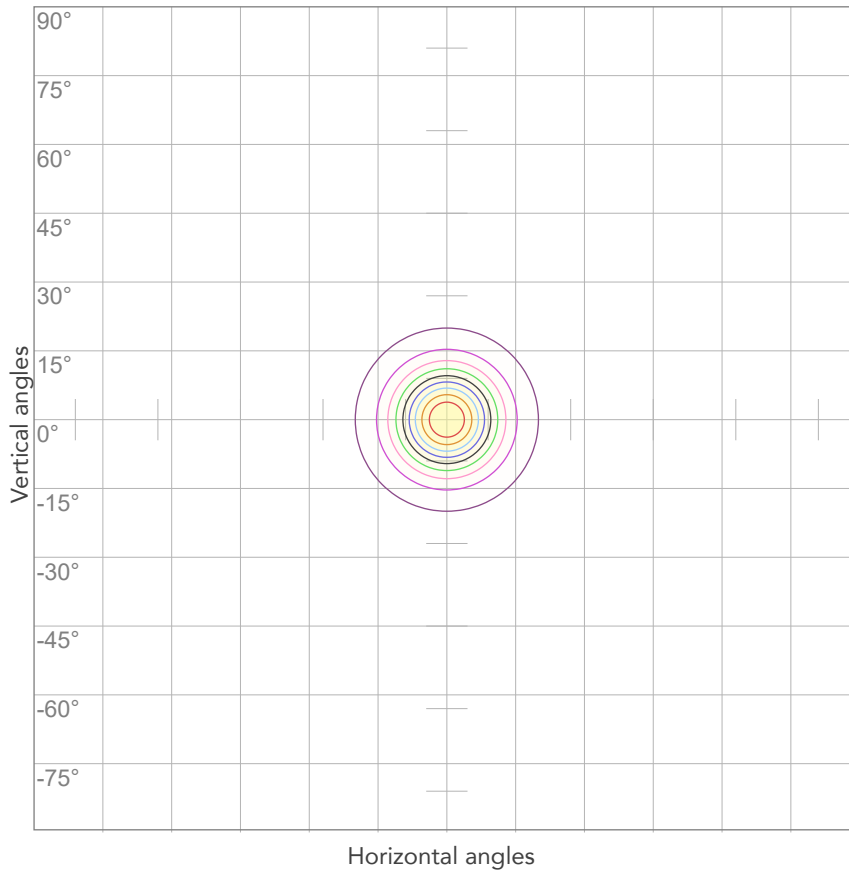


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,112A	22,1W	0,88	18lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



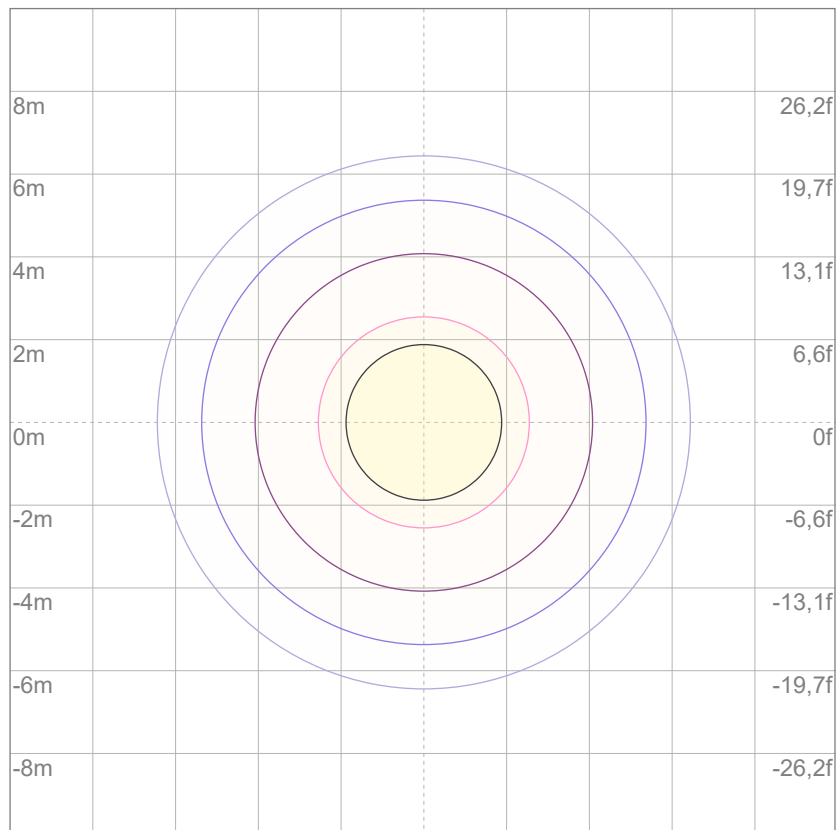
10%	179 cd
20%	358 cd
30%	537 cd
40%	716 cd
50%	895 cd
60%	1074 cd
70%	1253 cd
80%	1432 cd

Conditions:

Number of c-planes: 2

Candela at center: 1790 cd

ISO LUX DIAGRAM



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

Conditions:

Number of c-planes: 2

Lux at center: 17,9 lx

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



Total lumen output:

363 lm

Peak candela output:

473 cd

Light quality:

CRI: 97,7

Color temperature:

2737 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 40° Filter

Target:

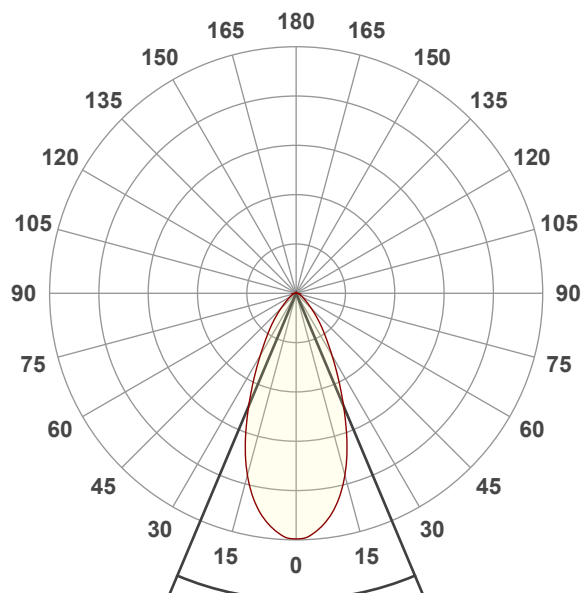
2700K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 16:46:53

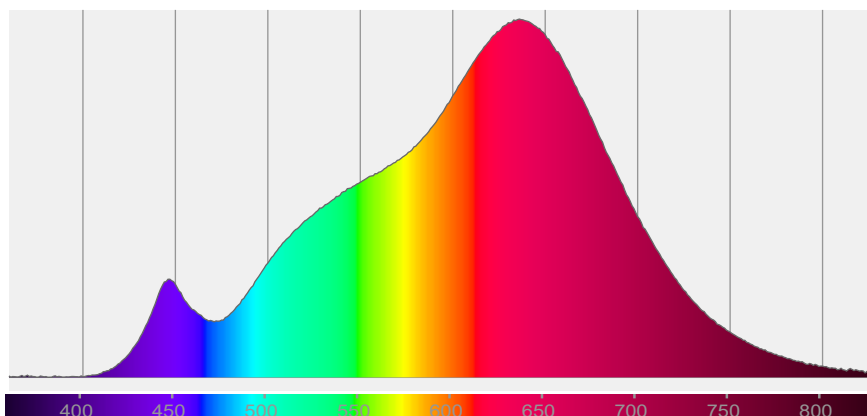


Beam angle 50%: 45,6°

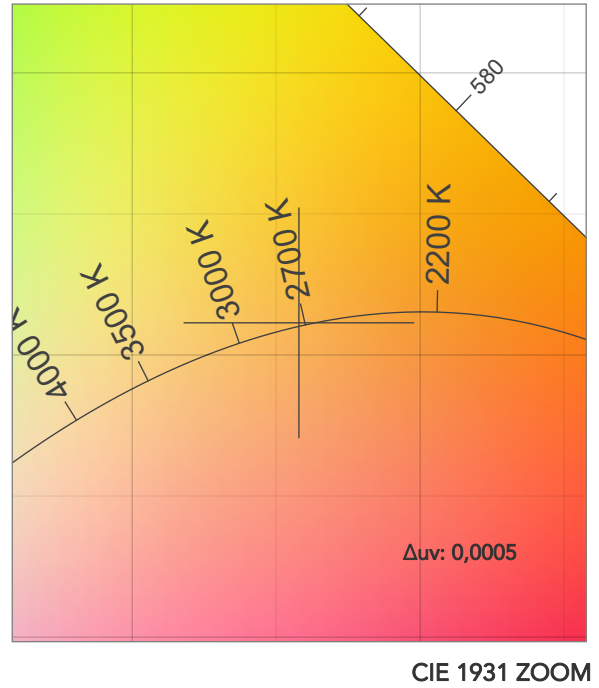
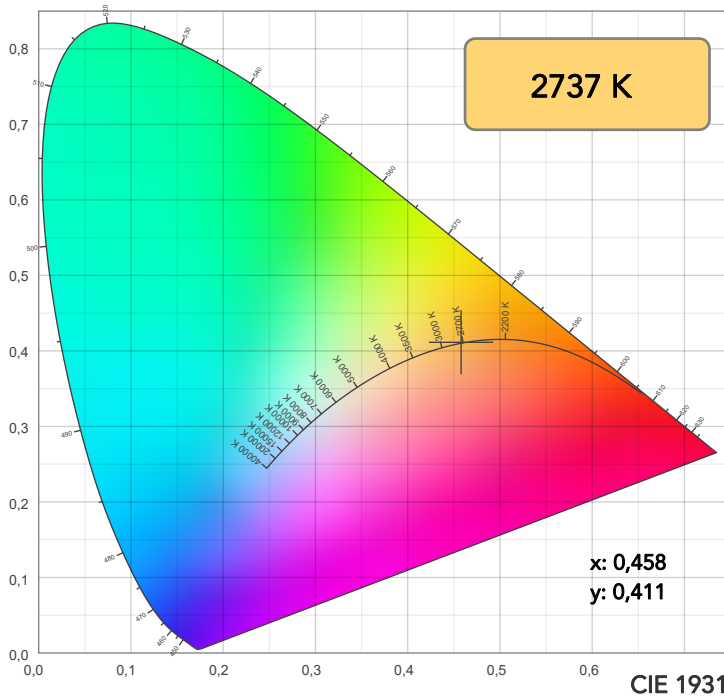
Field angle 10%: 87,3°

Cut off angle 2.5%: 124,7°

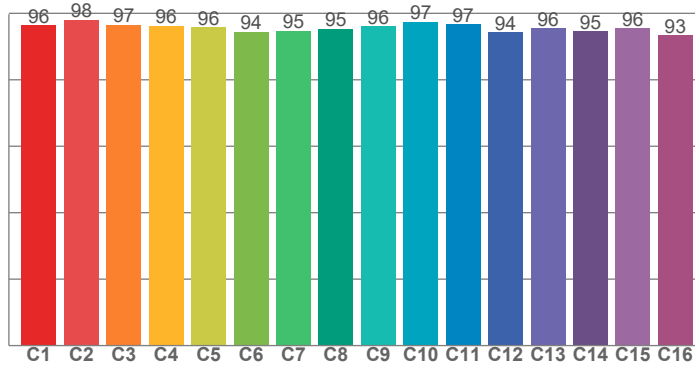
Spectra



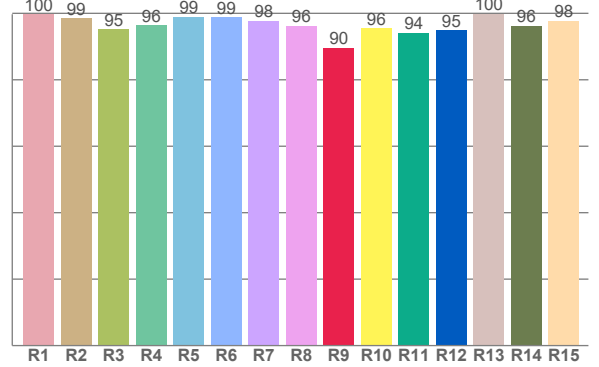
COLOR DETAILS



TM30: 95,9



CRI: 97,7 (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
99,7	98,6	95,1	96,4	99,0	98,9	97,8	96,3	89,7	95,6	94,1	95,0	99,9	96,2	97,8

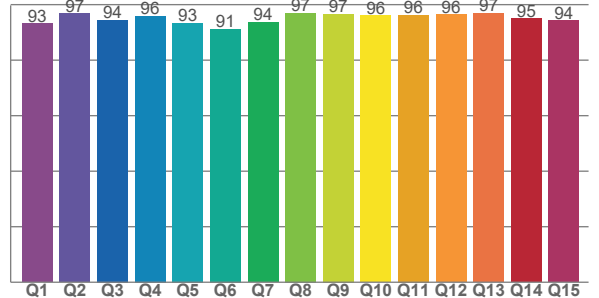
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,1	96,7	94,5	95,8	93,3	91,2	93,6	97,0	96,6	96,0	96,3	96,5	96,9	95,0	94,2

CQS: 94,6



COLOR PARAMETERS

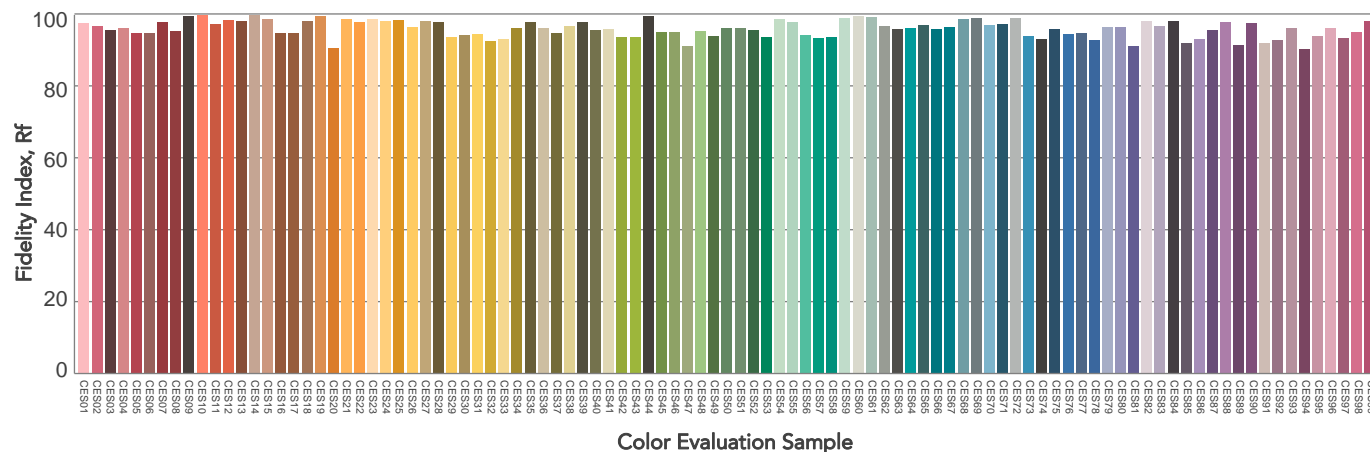
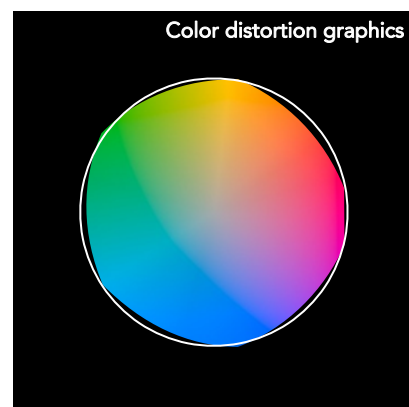
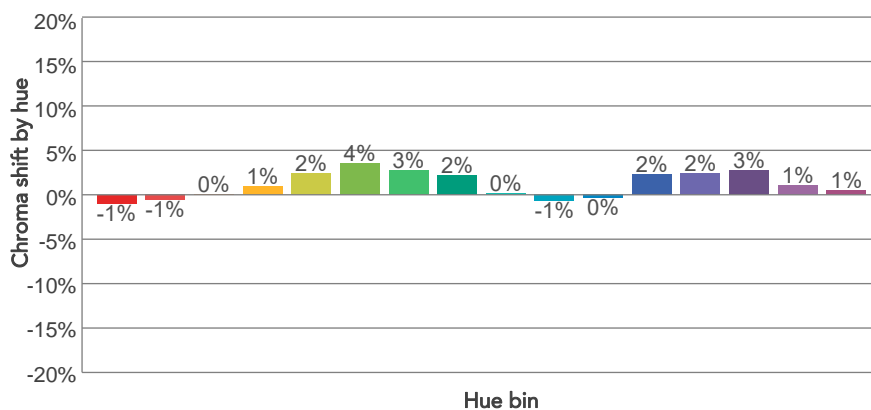
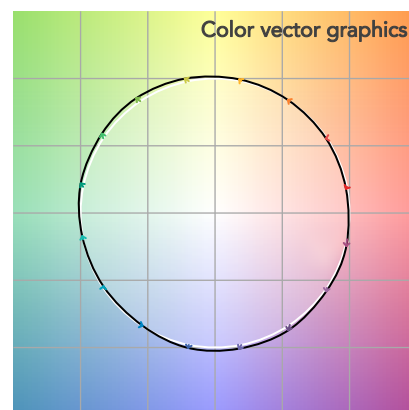
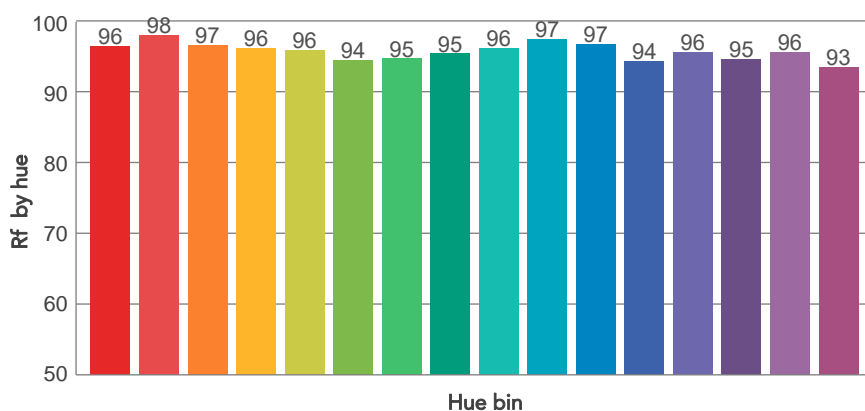
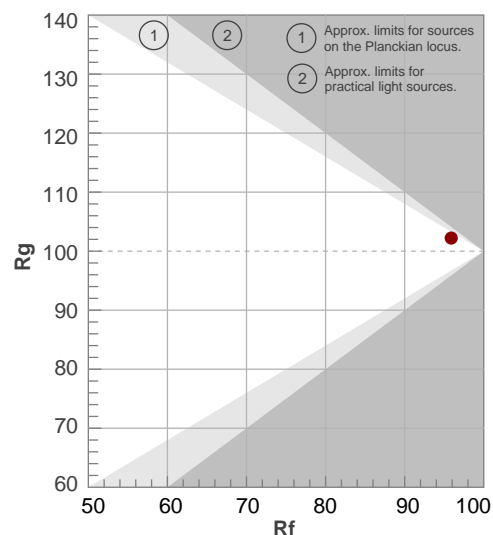
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2737 K	97,7	89,7	95,9	102,2	94,6	97	0,458	0,411	0,0005

TM30 DETAILS

Rf 95,9
Fidelity index Rf

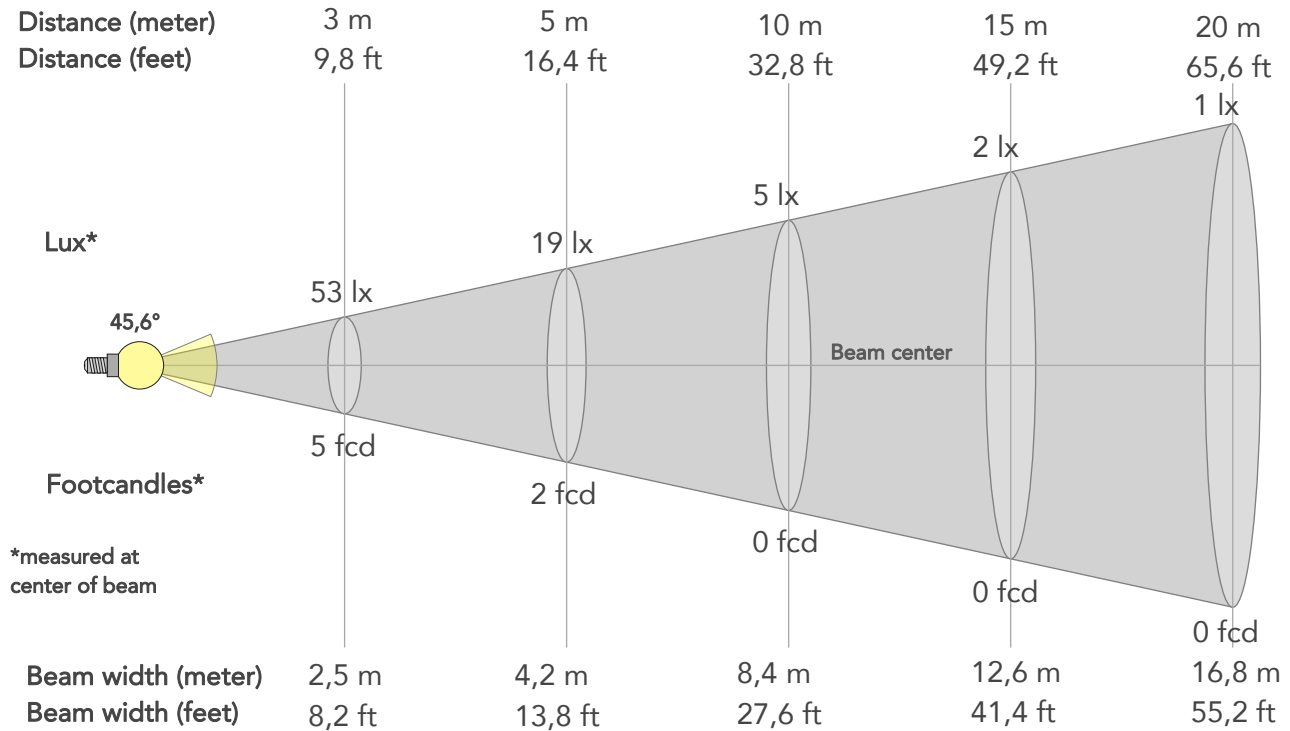
Rg 102,2
Gammut index

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



BEAM DETAILS

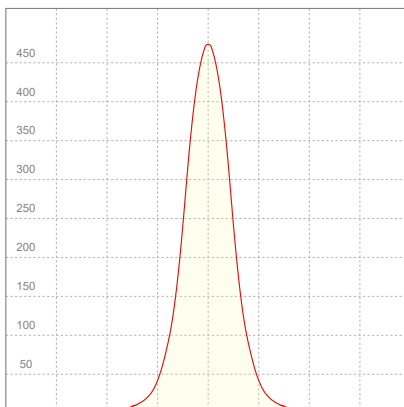
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,6°	87,3°	124,7°	95,3%	86,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	473lx	118lx	53lx	30lx	19lx	8lx	5lx	2lx	1lx	1lx	1lx	0lx	0lx
Footcand.	44fcd	11fcd	5fcd	3fcd	2fcd	1fcd	0fcd	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	33,7m	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

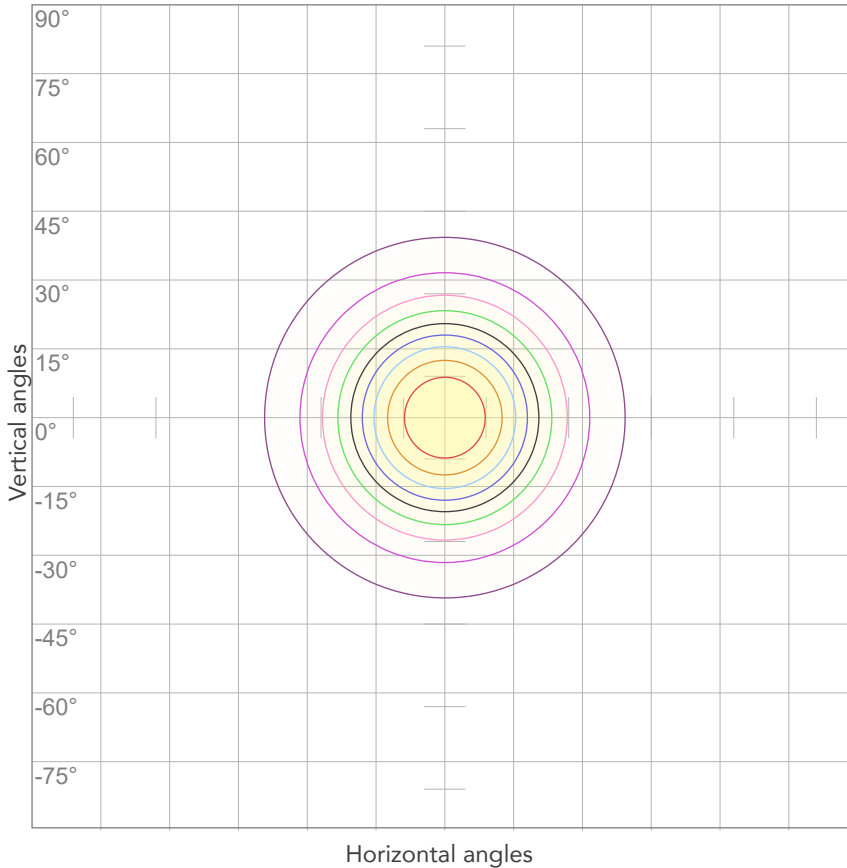


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,112A	22,1W	0,88	16lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



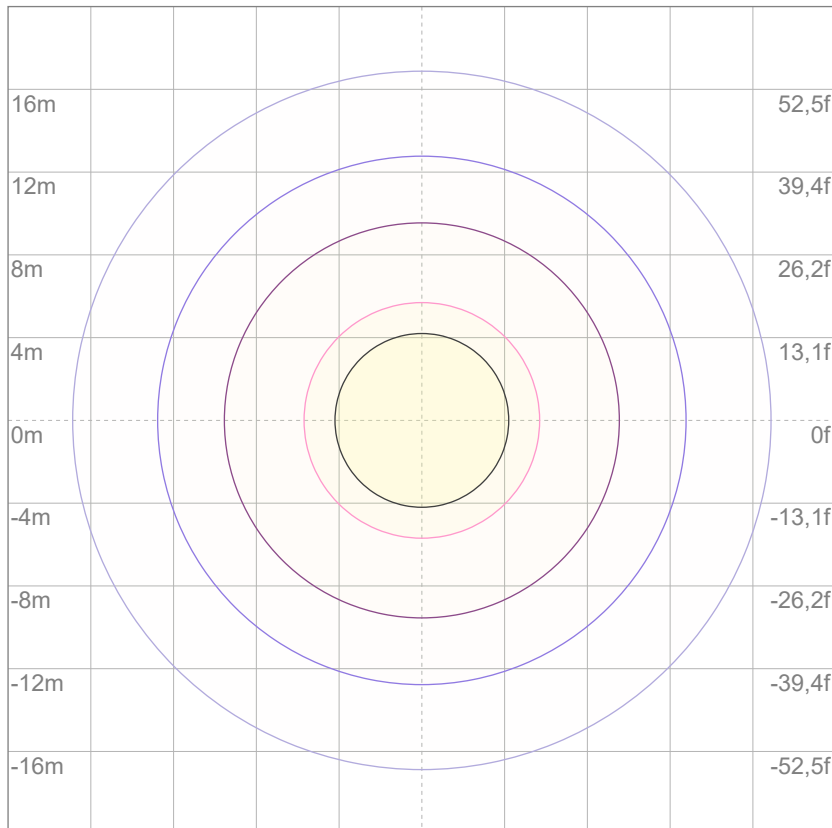
10%	47 cd
20%	95 cd
30%	142 cd
40%	189 cd
50%	236 cd
60%	284 cd
70%	331 cd
80%	378 cd

Conditions:

Number of c-planes: 2

Candela at center: 473 cd

ISO LUX DIAGRAM



3%	0,142 lx
5%	0,236 lx
10%	0,473 lx
30%	1,42 lx
50%	2,36 lx

Conditions:

Number of c-planes: 2

Lux at center: 4,73 lx

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



Total lumen output:

382 lm

Peak candela output:

377 cd

Light quality:

CRI: 97,7

Color temperature:

2736 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 60° Filter

Target:

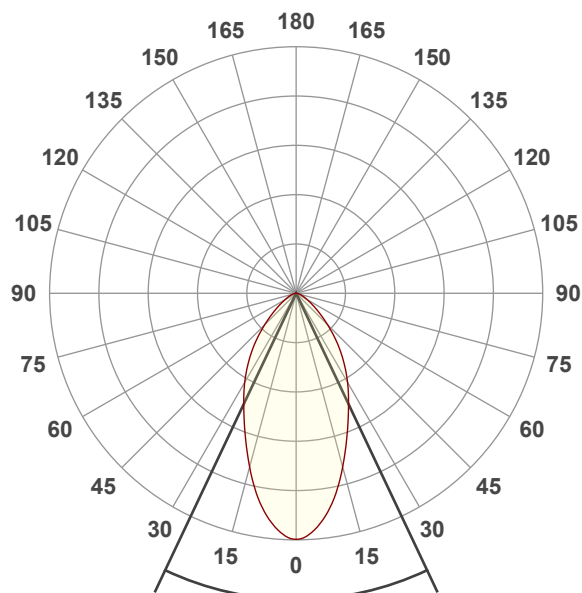
2800K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 17:06:10

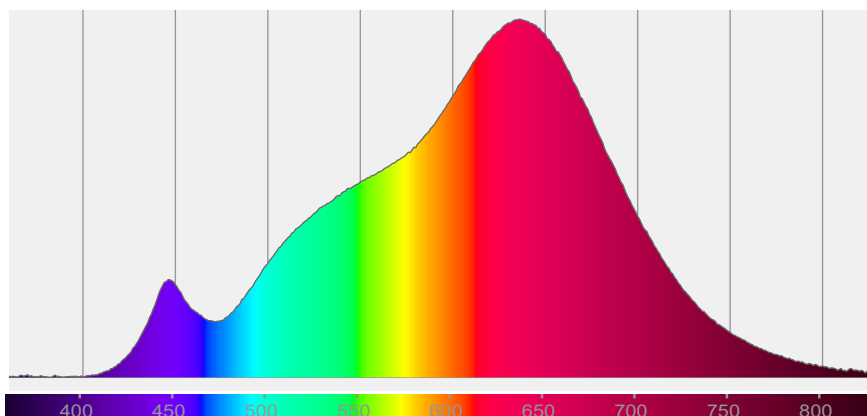


Beam angle 50%: 50,6°

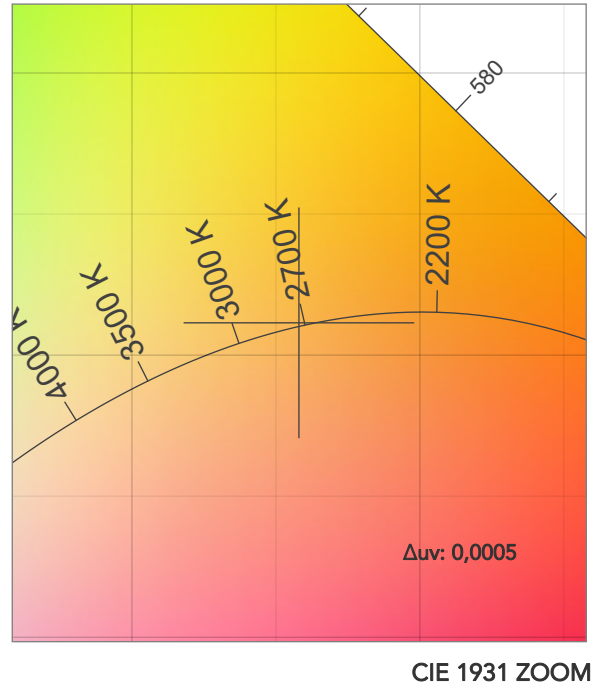
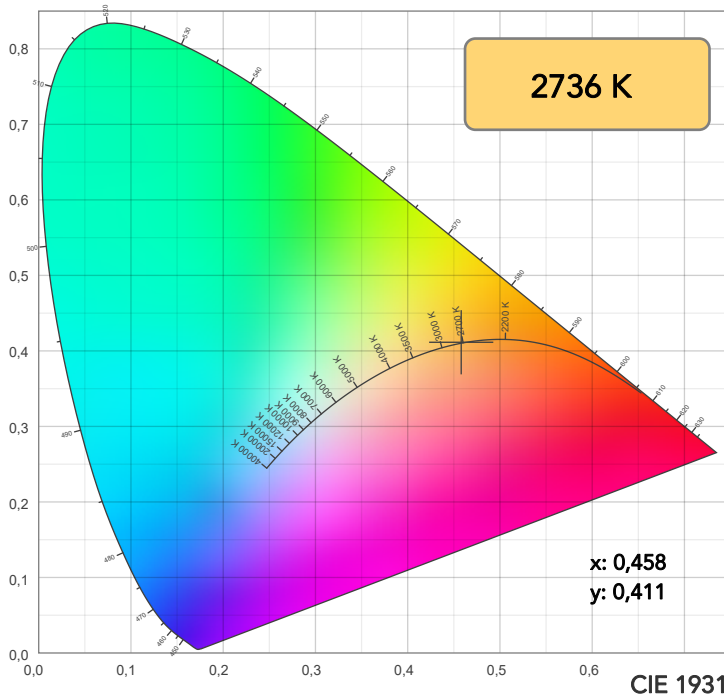
Field angle 10%: 104,9°

Cut off angle 2.5%: 138,9°

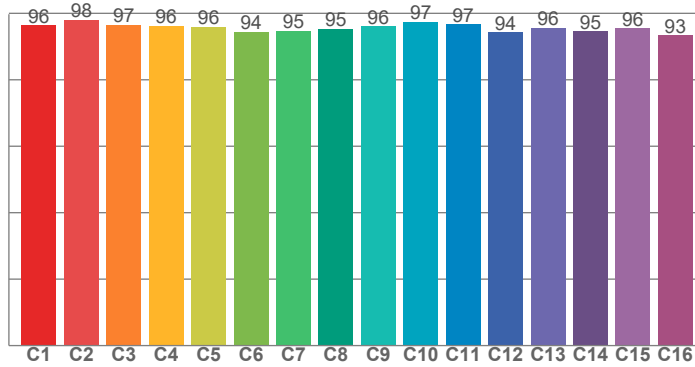
Spectra



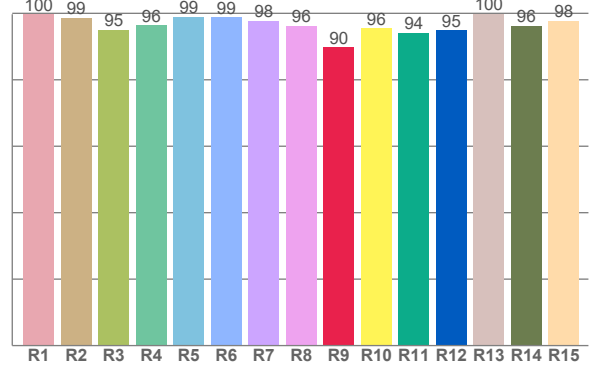
COLOR DETAILS



TM30: 95,9



CRI: 97,7 (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
99,7	98,6	95,1	96,3	99,0	98,9	97,8	96,3	89,7	95,6	94,1	94,9	99,9	96,2	97,8

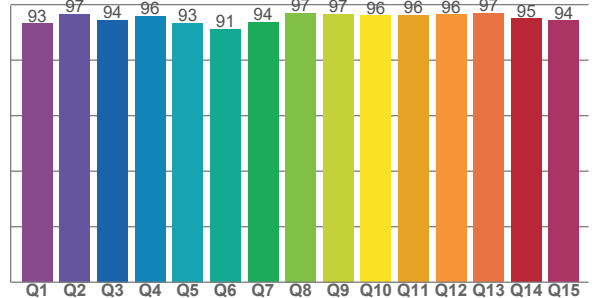
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,1	96,7	94,5	95,9	93,3	91,2	93,6	97,0	96,6	96,0	96,3	96,4	96,9	95,0	94,3

CQS: 94,6



COLOR PARAMETERS

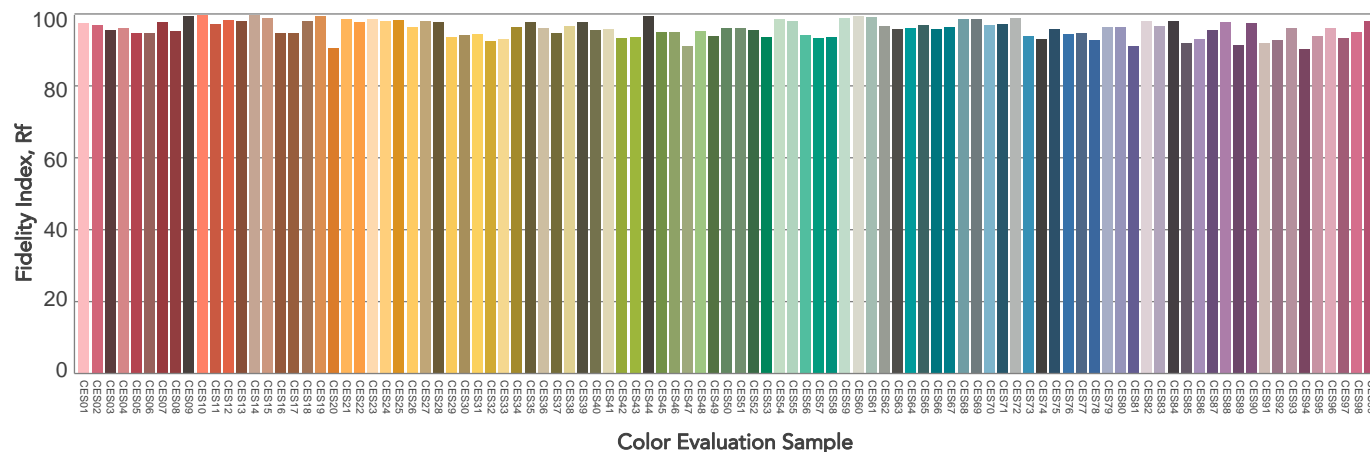
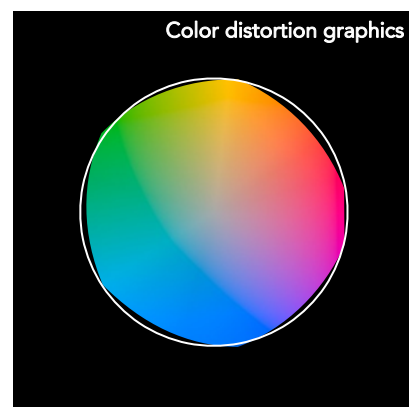
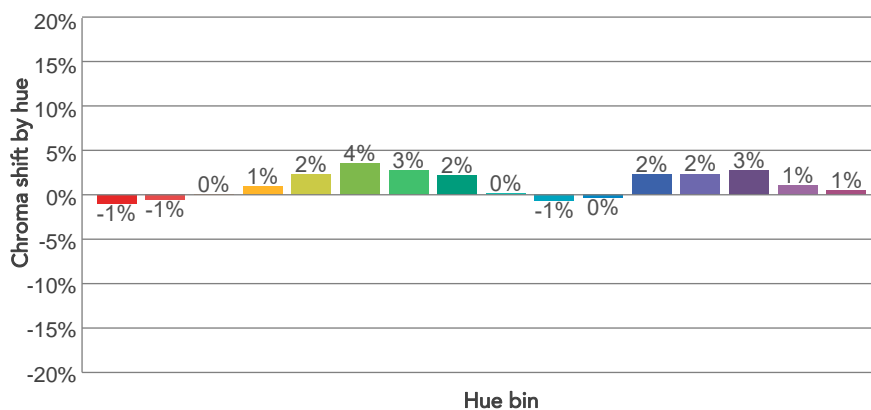
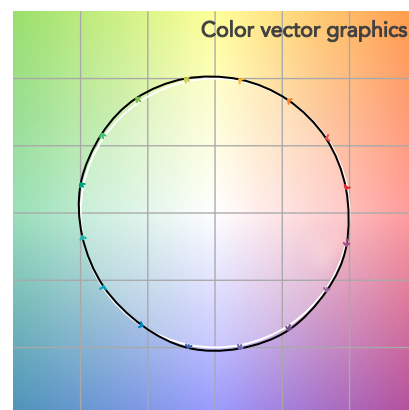
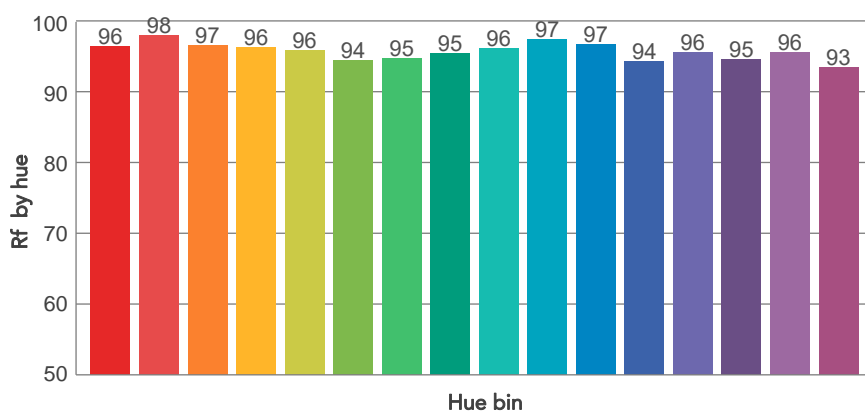
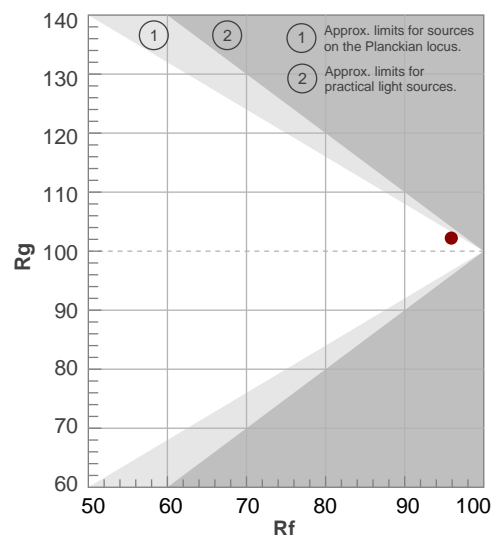
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2736 K	97,7	89,7	95,9	102,2	94,6	97	0,458	0,411	0,0005

TM30 DETAILS

Rf 95,9
Fidelity index Rf

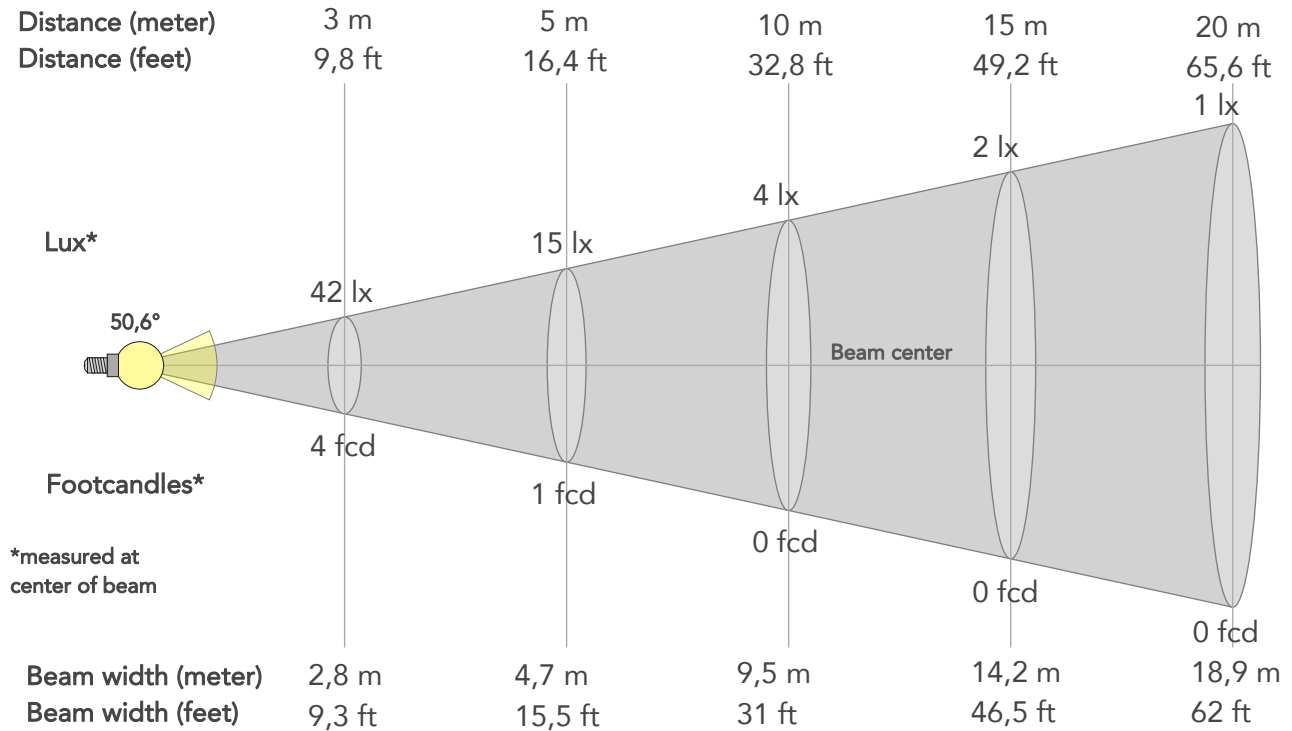
Rg 102,2
Gammut index

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



BEAM DETAILS

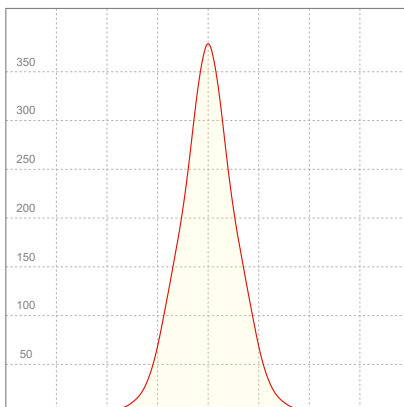
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
50,6°	104,9°	138,9°	93,9%	80,7%



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	377lx	94lx	42lx	24lx	15lx	7lx	4lx	2lx	1lx	1lx	0lx	0lx	0lx
Footcand.	35fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,9m	2,8m	3,8m	4,7m	7,1m	9,5m	14,2m	18,9m	23,6m	28,4m	37,8m	47,3m
Beam wid.	3,1ft	6,2ft	9,3ft	12,4ft	15,5ft	23,3ft	31ft	46,5ft	62ft	77,6ft	93,1ft	124,1ft	155,1ft

LINEAR DISTRIBUTION DIAGRAM

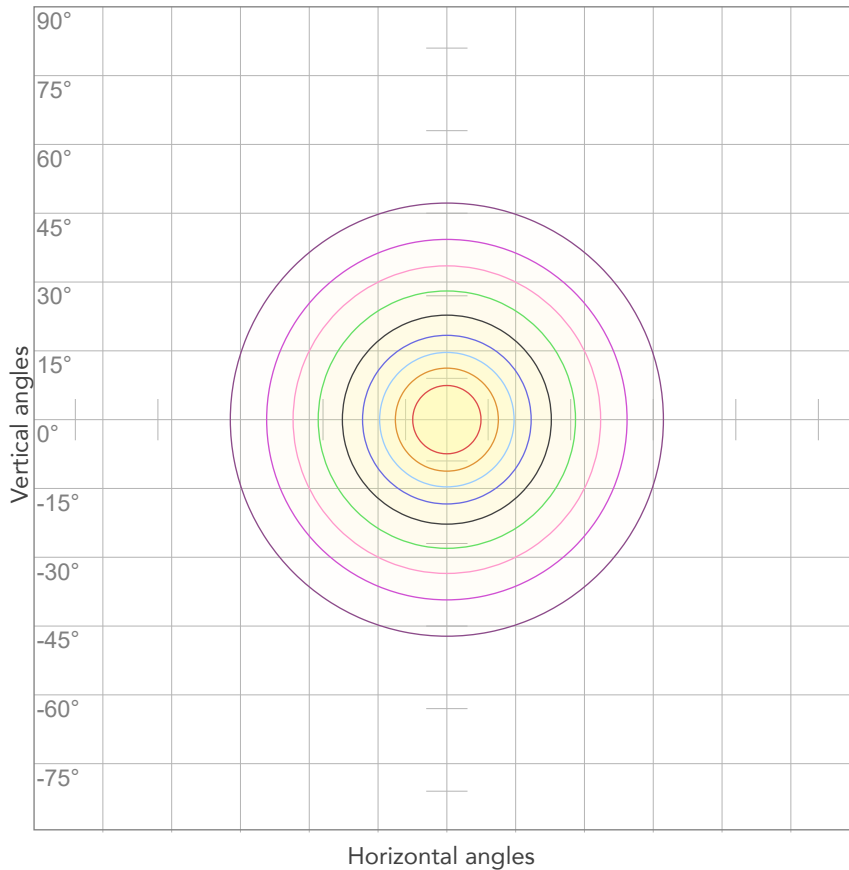


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,112A	22,1W	0,88	17lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



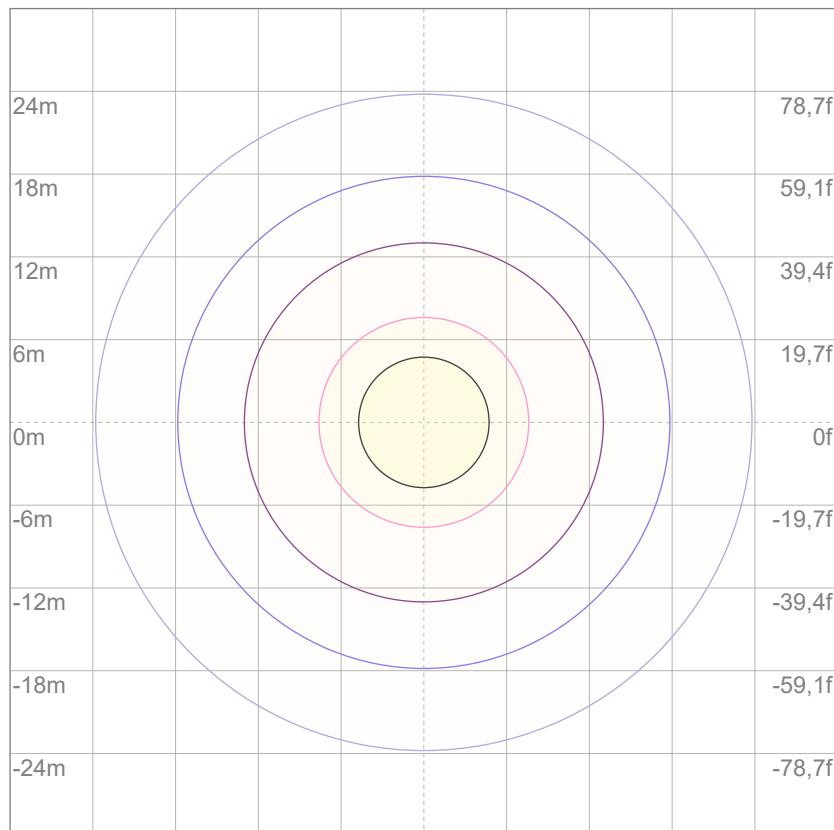
10%	38 cd
20%	75 cd
30%	113 cd
40%	151 cd
50%	189 cd
60%	226 cd
70%	264 cd
80%	302 cd

Conditions:

Number of c-planes: 2

Candela at center: 377 cd

ISO LUX DIAGRAM



3%	0,113 lx
5%	0,189 lx
10%	0,377 lx
30%	1,13 lx
50%	1,89 lx

Conditions:

Number of c-planes: 2

Lux at center: 3,77 lx

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



Total lumen output:

651 lm

Peak candela output:

1444 cd

Light quality:

CRI: 97,8

Color temperature:

2696 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 10°x 60° Filter

Target:

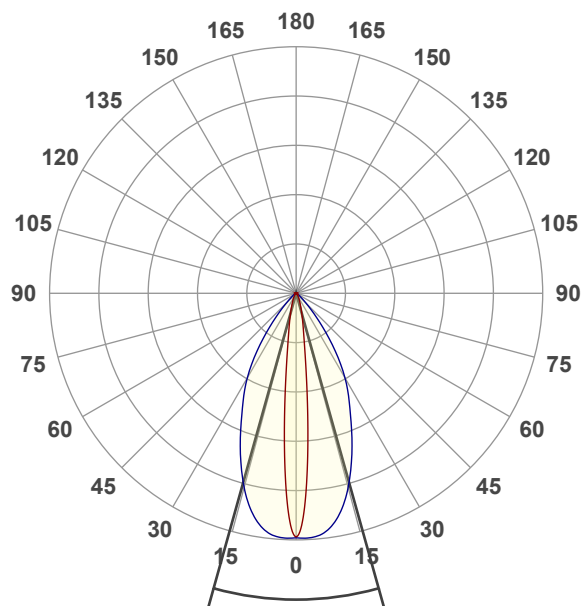
2800K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 17:15:29

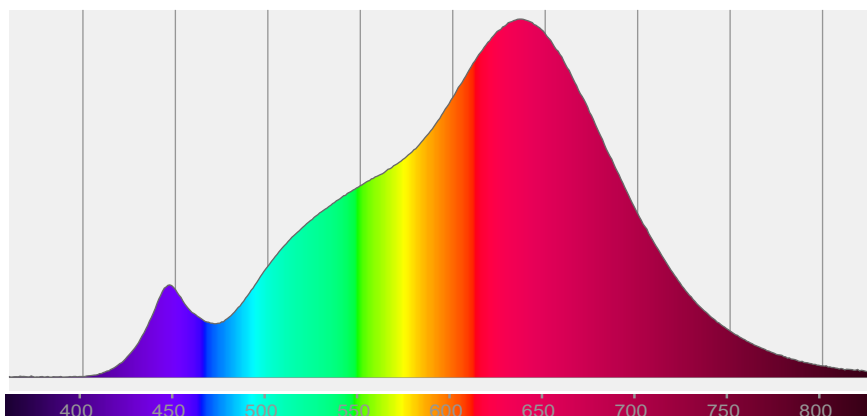


Beam angle 50%: 31,3°

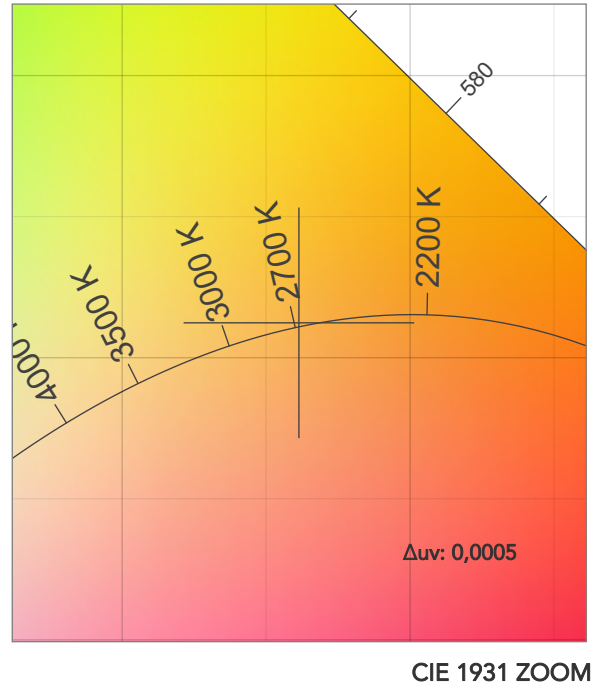
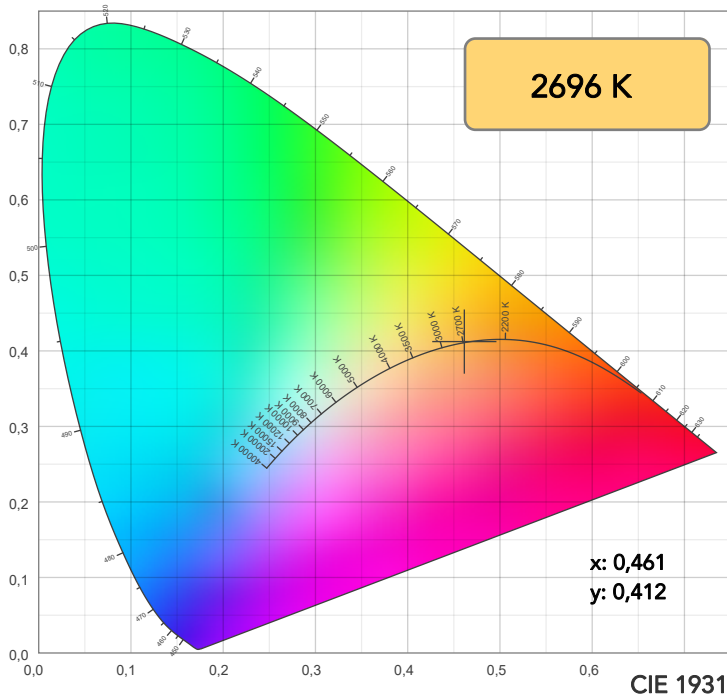
Field angle 10%: 56,2°

Cut off angle 2.5%: 77,9°

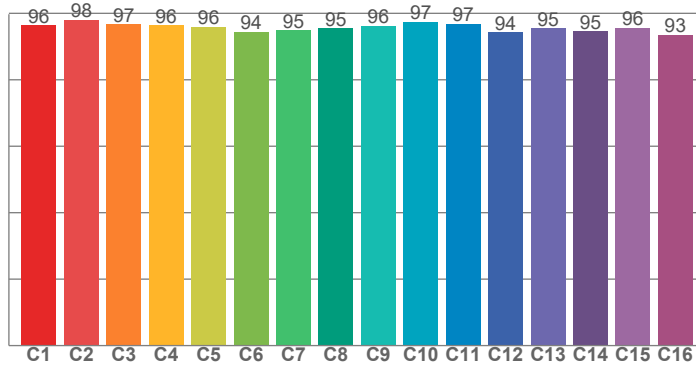
Spectra



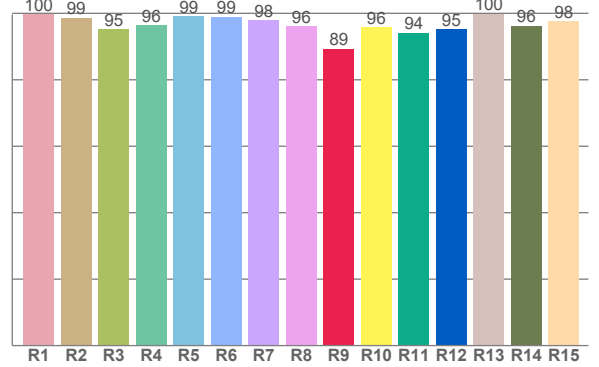
COLOR DETAILS



TM30: 96,0



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

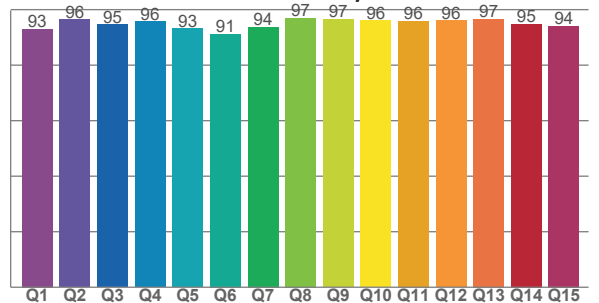
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,0	96,5	94,5	95,7	93,2	91,2	93,7	96,9	96,5	96,0	95,9	96,1	96,7	94,8	94,0

CQS: 94,5



COLOR PARAMETERS

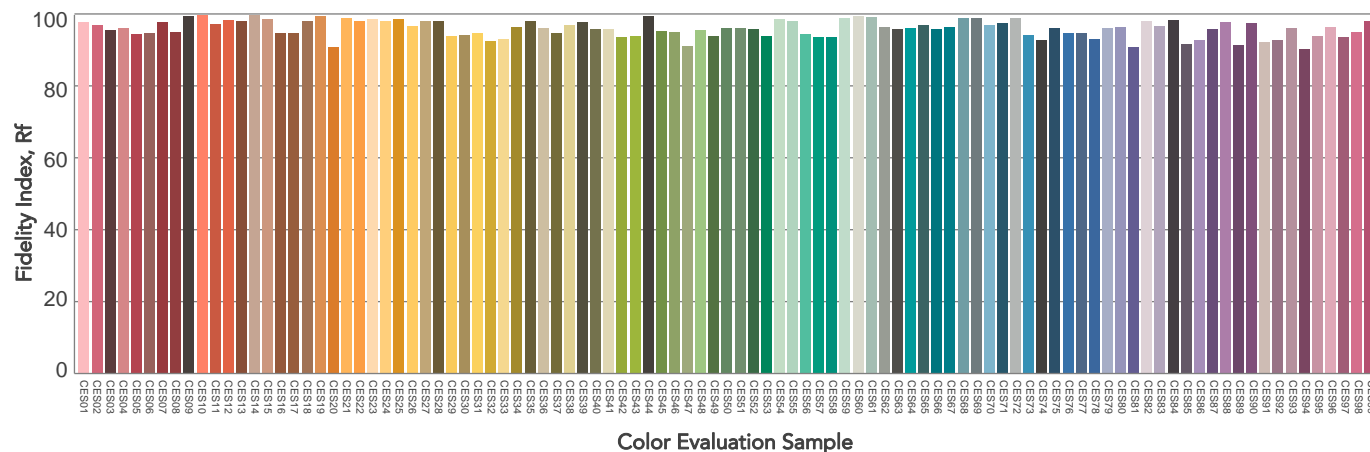
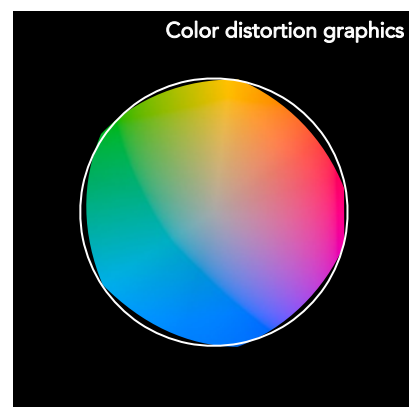
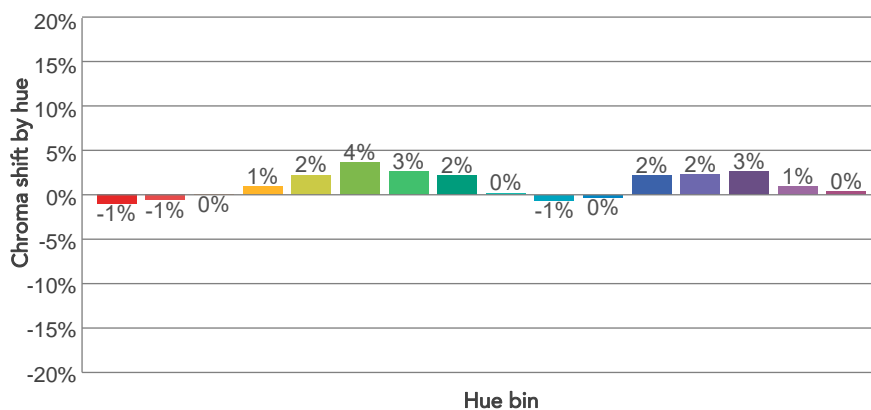
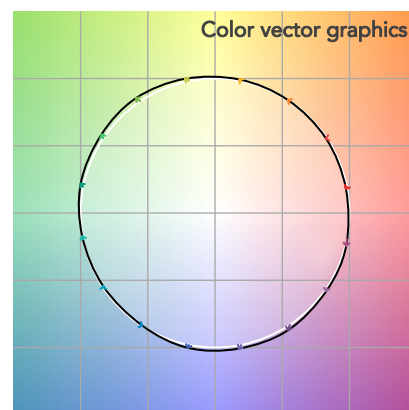
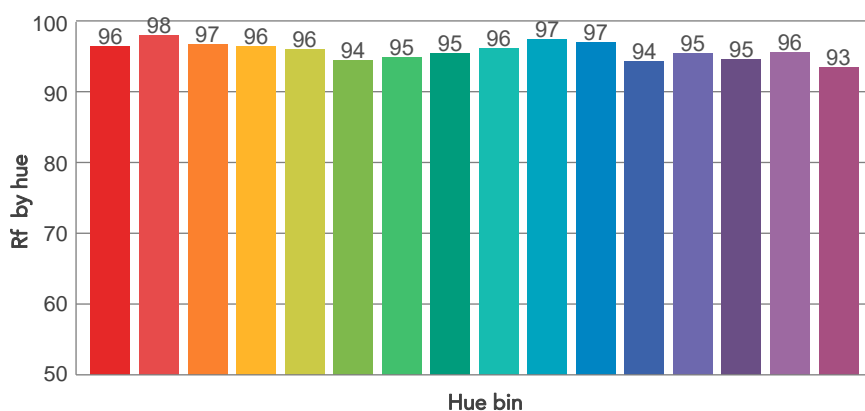
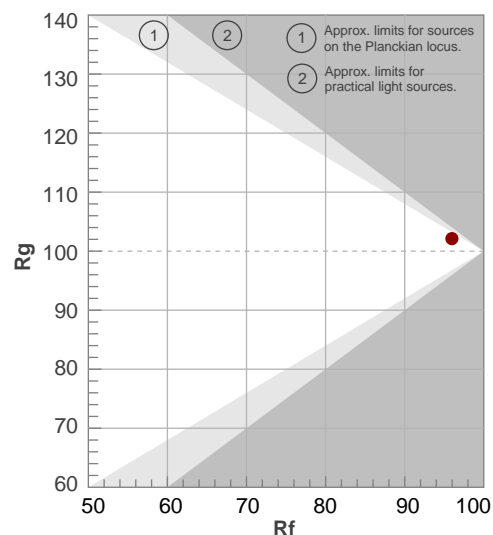
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2696 K	97,8	89,4	96,0	102,1	94,5	97	0,461	0,412	0,0005

TM30 DETAILS

Rf 96,0
Fidelity index Rf

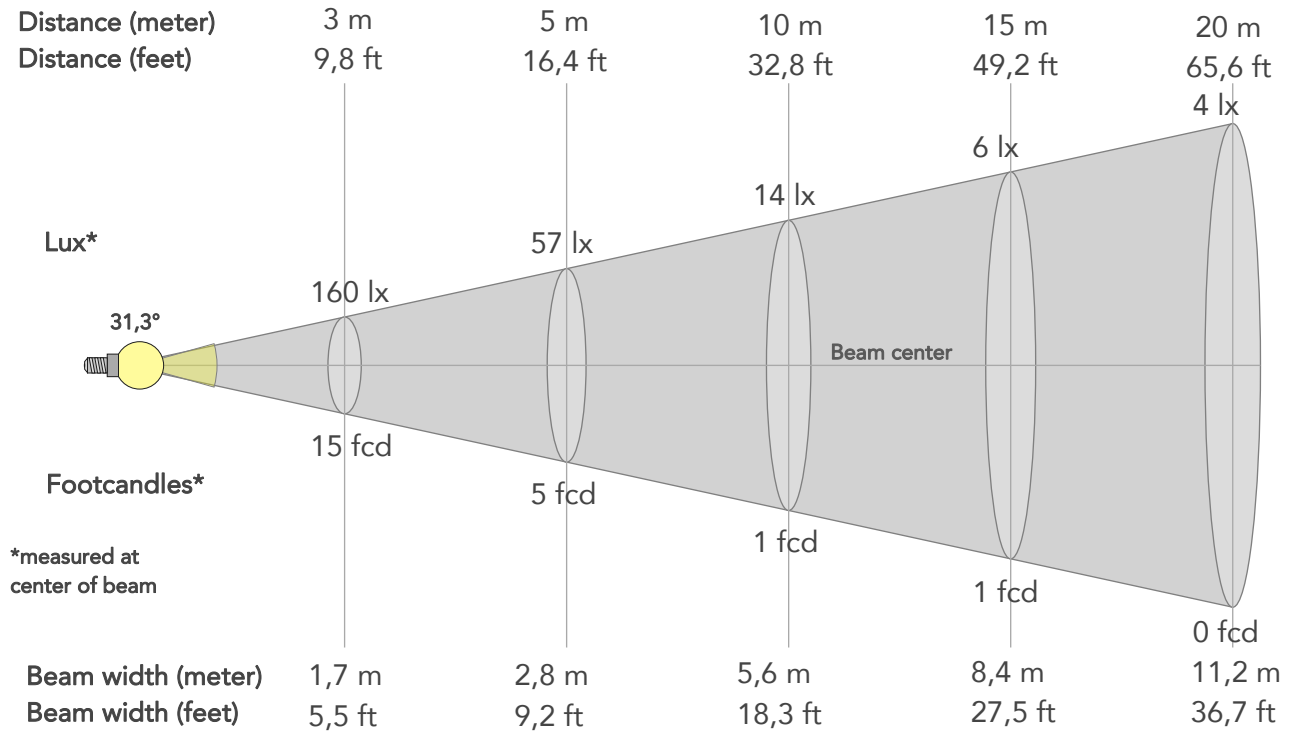
Rg 102,1
Gammut index

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



BEAM DETAILS

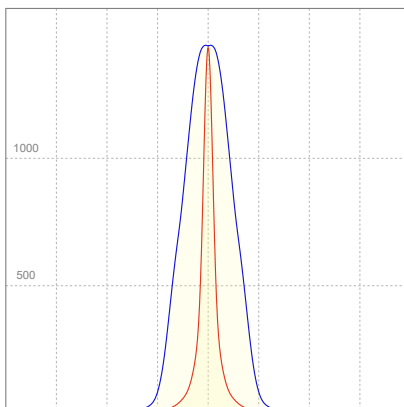
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
31,3°	56,2°	77,9°	97,8%	93,7%



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	1436lx	359lx	160lx	90lx	57lx	26lx	14lx	6lx	4lx	2lx	2lx	1lx	1lx
Footcand.	133fcd	33fcd	15fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,1m	1,7m	2,2m	2,8m	4,2m	5,6m	8,4m	11,2m	14m	16,8m	22,4m	28m
Beam wid.	1,8ft	3,7ft	5,5ft	7,3ft	9,2ft	13,8ft	18,3ft	27,5ft	36,7ft	45,9ft	55ft	73,4ft	91,7ft

LINEAR DISTRIBUTION DIAGRAM

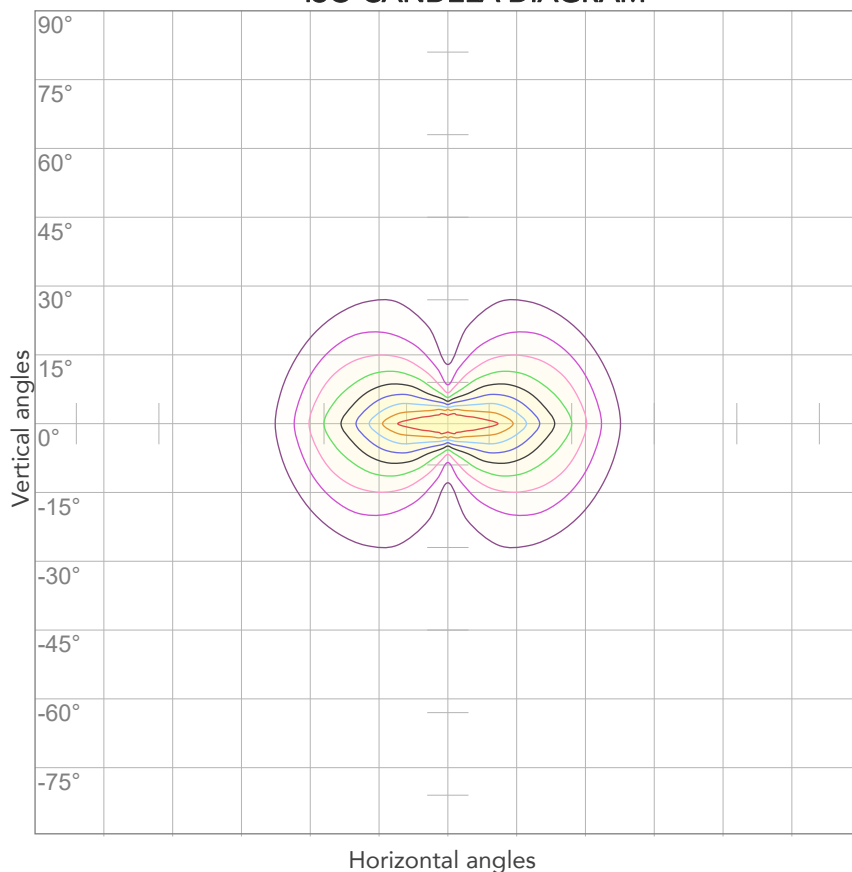


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,112A	22,1W	0,87	29lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



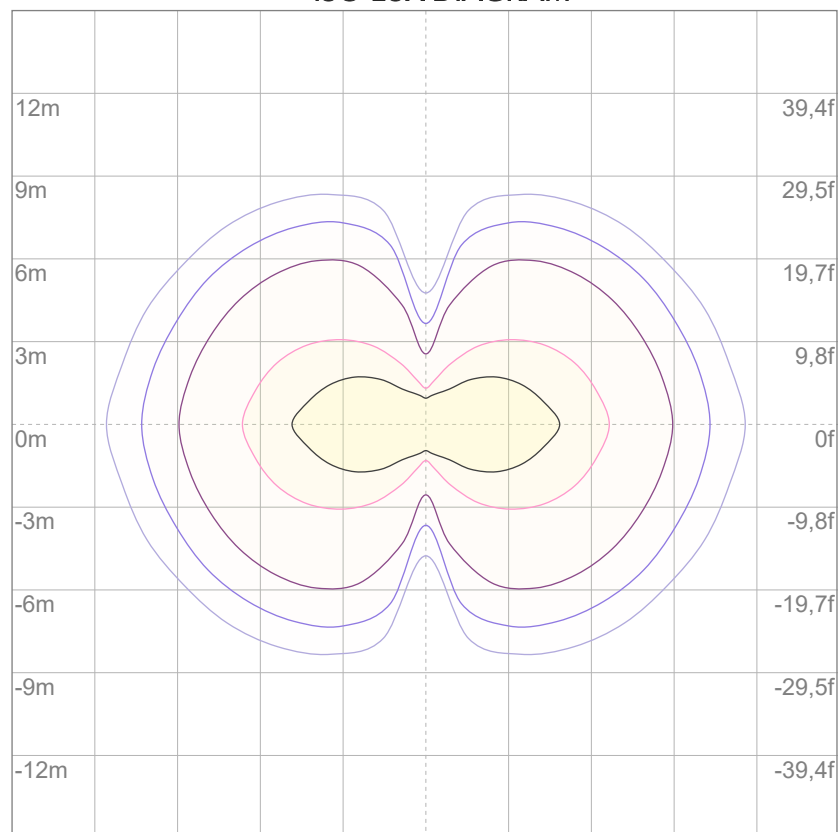
10%	144 cd
20%	287 cd
30%	431 cd
40%	574 cd
50%	718 cd
60%	862 cd
70%	1005 cd
80%	1149 cd

Conditions:

Number of c-planes: 4

Candela at center: 1436 cd

ISO LUX DIAGRAM



3%	0,431 lx
5%	0,718 lx
10%	1,44 lx
30%	4,31 lx
50%	7,18 lx

Conditions:

Number of c-planes: 4

Lux at center: 14,4 lx

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



Total lumen output:

405 lm

Peak candela output:

615 cd

Light quality:

CRI: 97,8

Color temperature:

2716 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 30°x 60° Filter

Target:

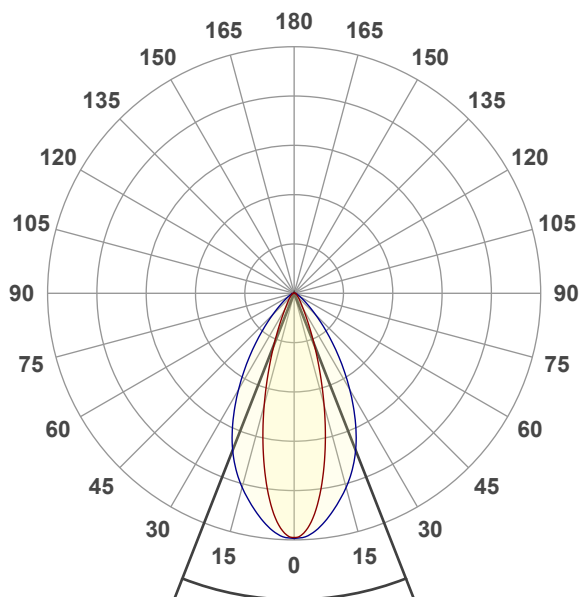
2800K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 18:09:00

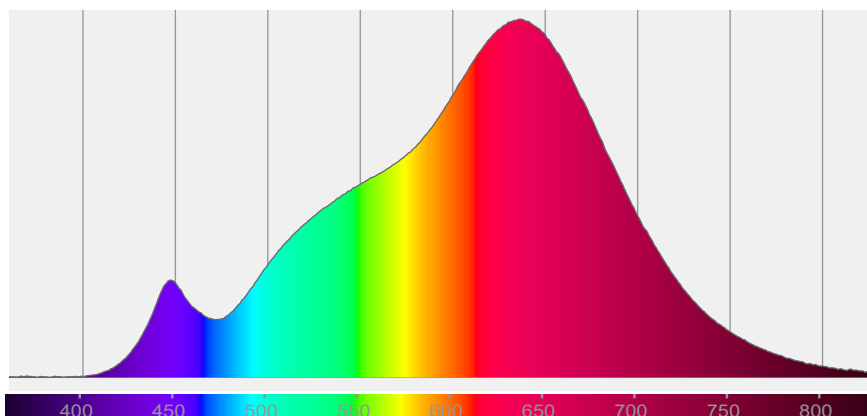


Beam angle 50%: 42,8°

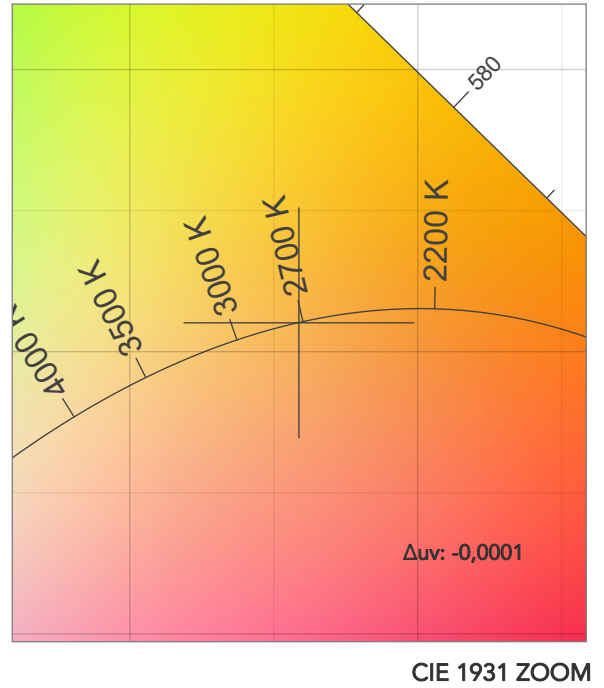
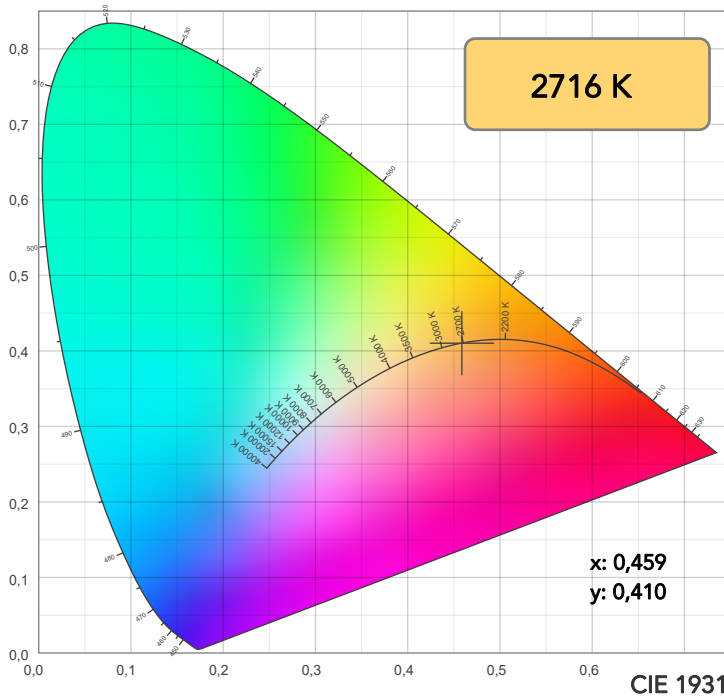
Field angle 10%: 74,7°

Cut off angle 2.5%: 105,9°

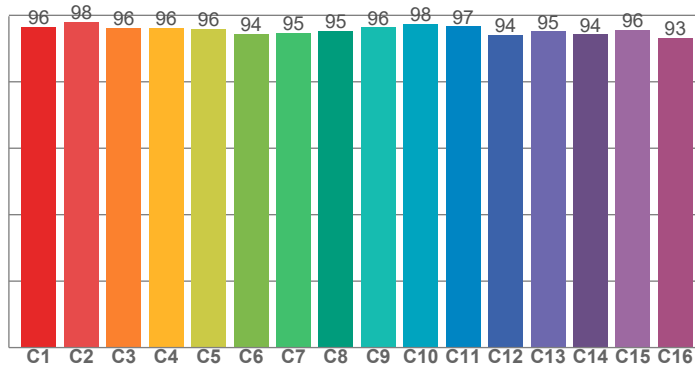
Spectra



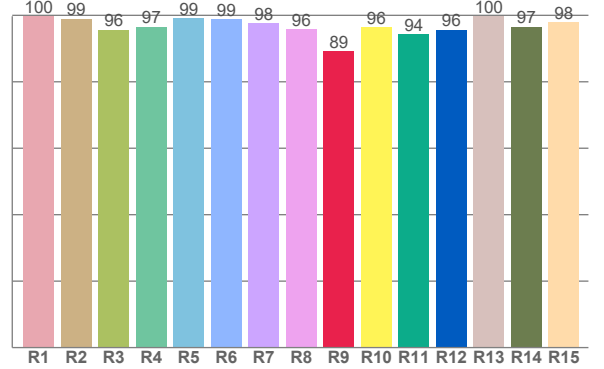
COLOR DETAILS



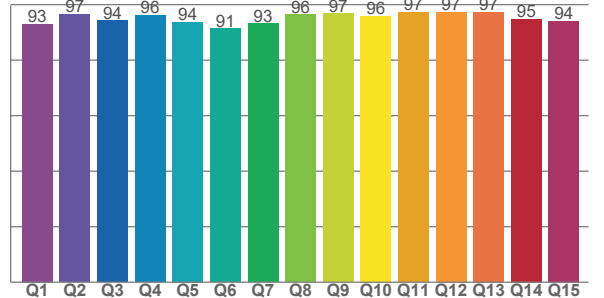
TM30: 95,9



CRI: 97,8 (R1-R8)



CQS: 94,6



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
99,7	99,0	95,7	96,5	99,1	98,8	97,6	95,8	89,1	96,3	94,3	95,6	99,8	96,5	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
96,5	98,0	96,3	96,2	95,9	94,4	94,8	95,4	96,4	97,5	96,6	94,0	95,2	94,3	95,5	93,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,0	96,5	94,2	96,1	93,7	91,3	93,2	96,4	96,8	95,8	97,2	97,3	97,4	94,9	94,1

COLOR PARAMETERS

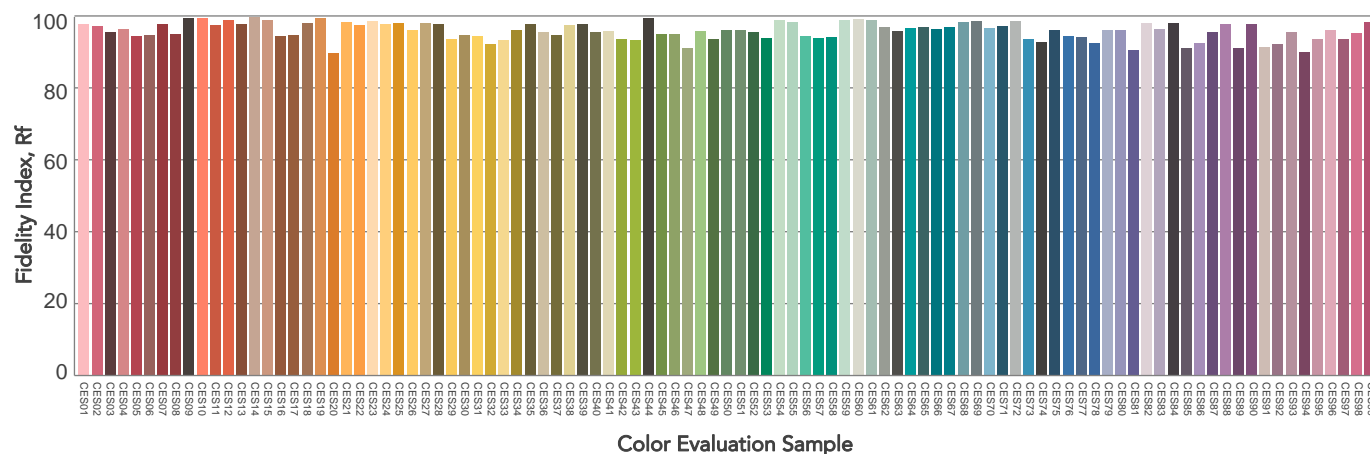
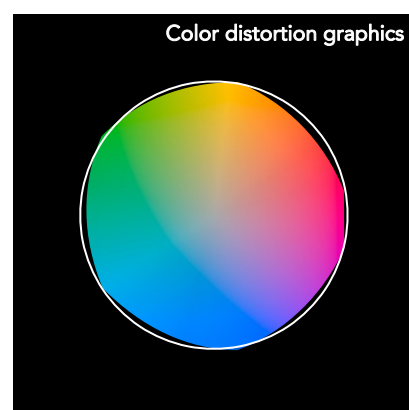
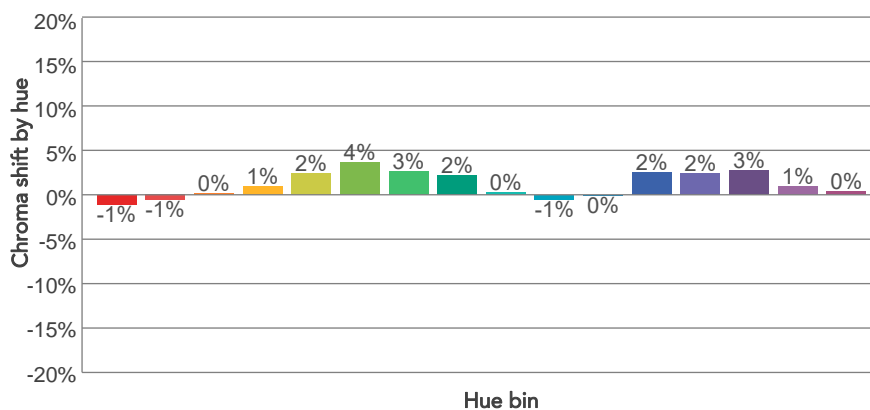
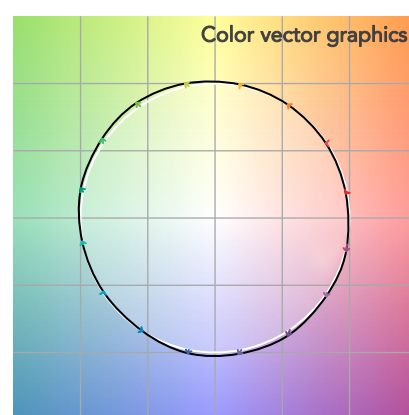
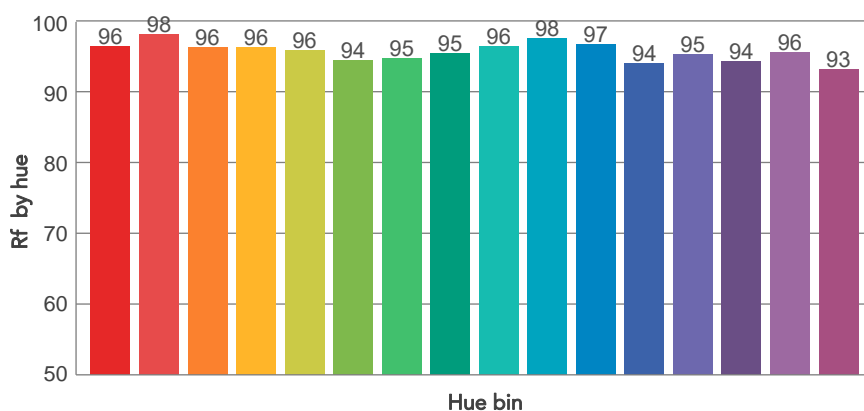
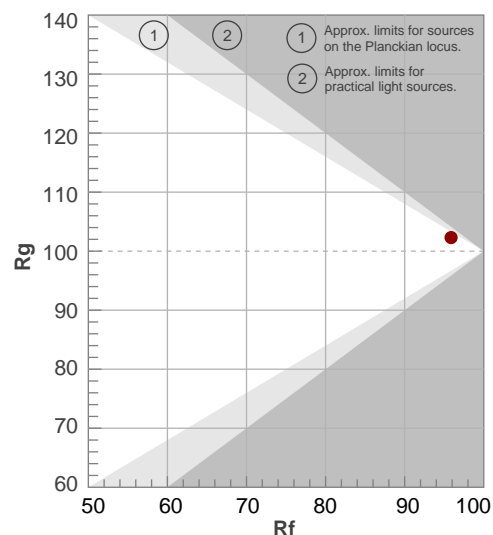
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2716 K	97,8	89,1	95,9	102,3	94,6	97	0,459	0,410	-0,0001

TM30 DETAILS

Rf 95,9
Fidelity index Rf

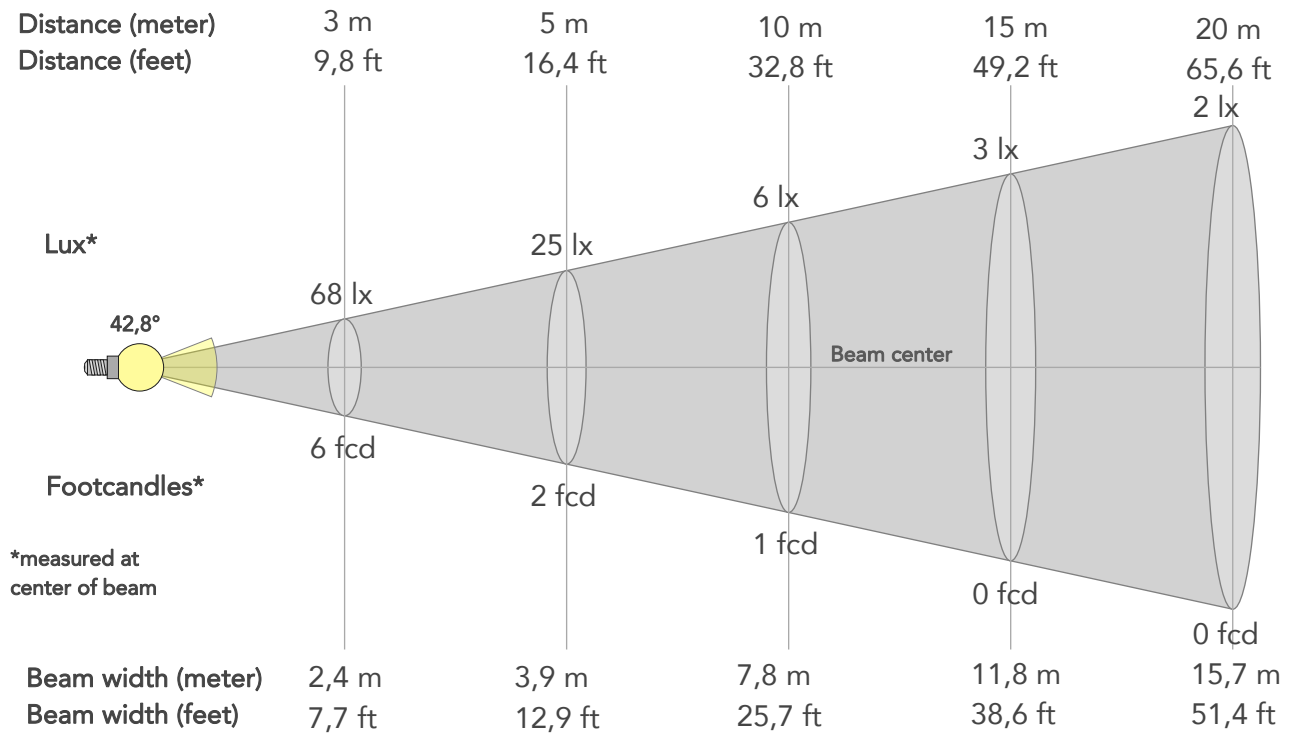
Rg 102,3
Gammut index

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



BEAM DETAILS

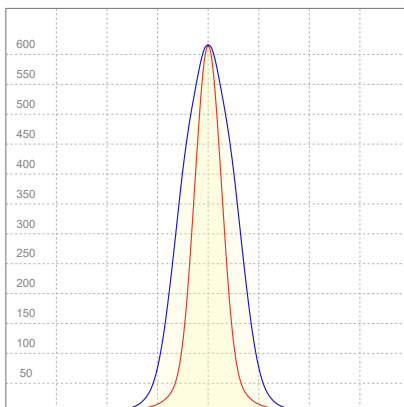
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
42,8°	74,7°	105,9°	96,3%	88,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	614lx	153lx	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.	0,8m	1,6m	2,4m	3,1m	3,9m	5,9m	7,8m	11,8m	15,7m	19,6m	23,5m	31,4m	39,2m
Beam wid.	2,6ft	5,2ft	7,7ft	10,3ft	12,9ft	19,3ft	25,7ft	38,6ft	51,4ft	64,3ft	77,1ft	102,8ft	128,5ft

LINEAR DISTRIBUTION DIAGRAM

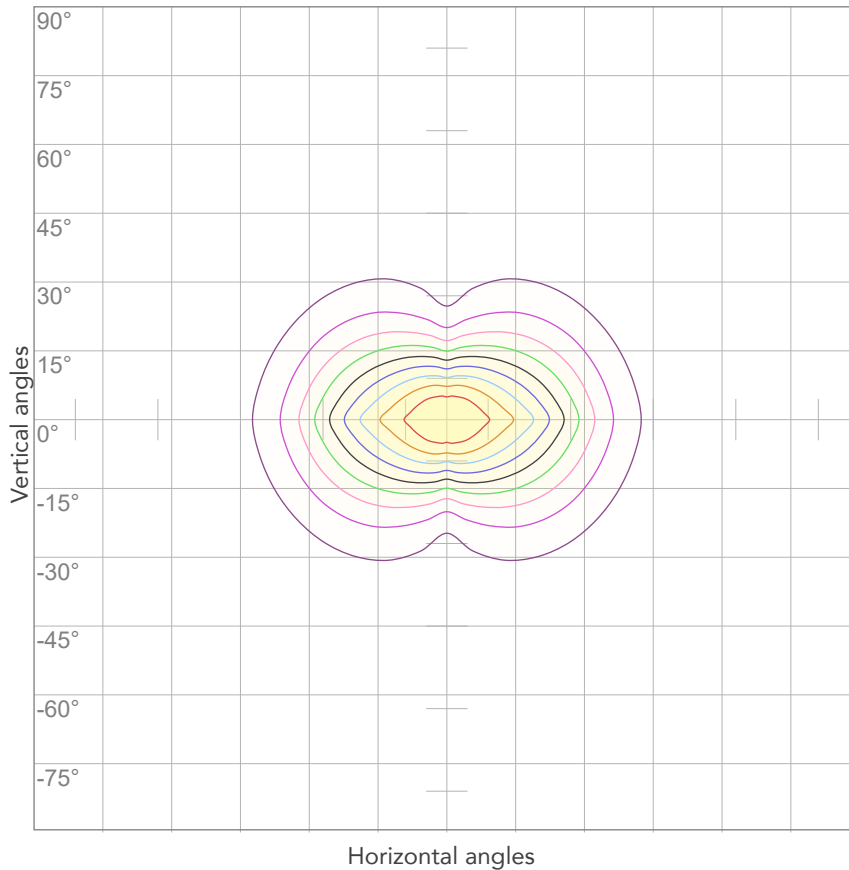


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,113A	21,7W	0,86	19lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



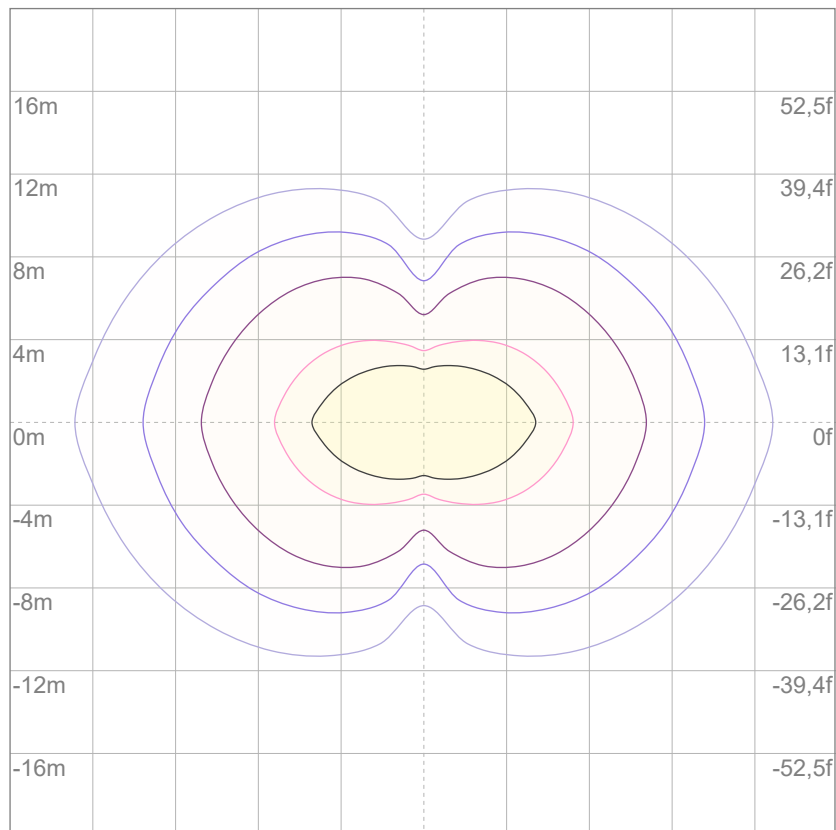
10%	61 cd
20%	123 cd
30%	184 cd
40%	246 cd
50%	307 cd
60%	368 cd
70%	430 cd
80%	491 cd

Conditions:

Number of c-planes: 4

Candela at center: 614 cd

ISO LUX DIAGRAM



3%	0,184 lx
5%	0,307 lx
10%	0,614 lx
30%	1,84 lx
50%	3,07 lx

Conditions:

Number of c-planes: 4

Lux at center: 6,14 lx

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



Total lumen output:

558 lm

Peak candela output:

44049 cd

Light quality:

CRI: 96,7

Color temperature:

3219 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°

Target:

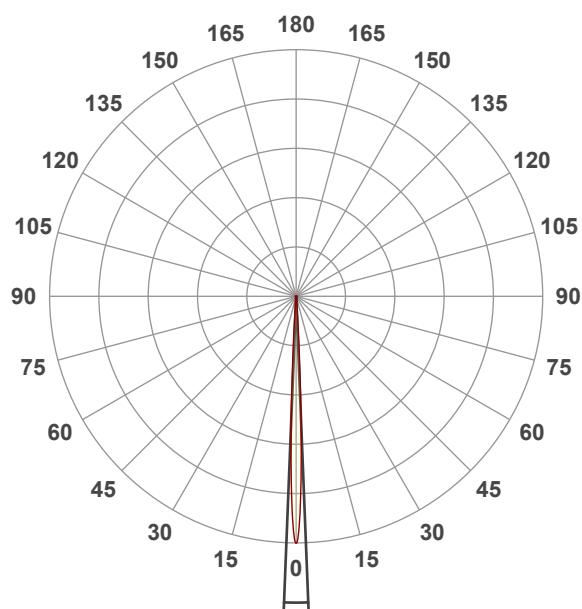
3200K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 16:01:21

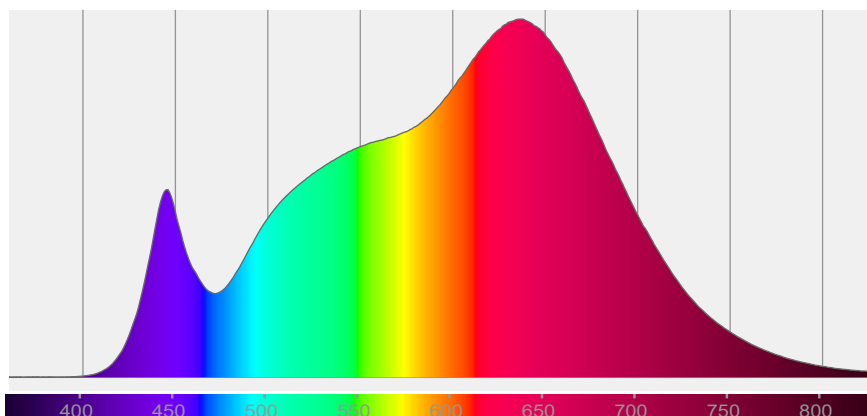


Beam angle 50%: 4,5°

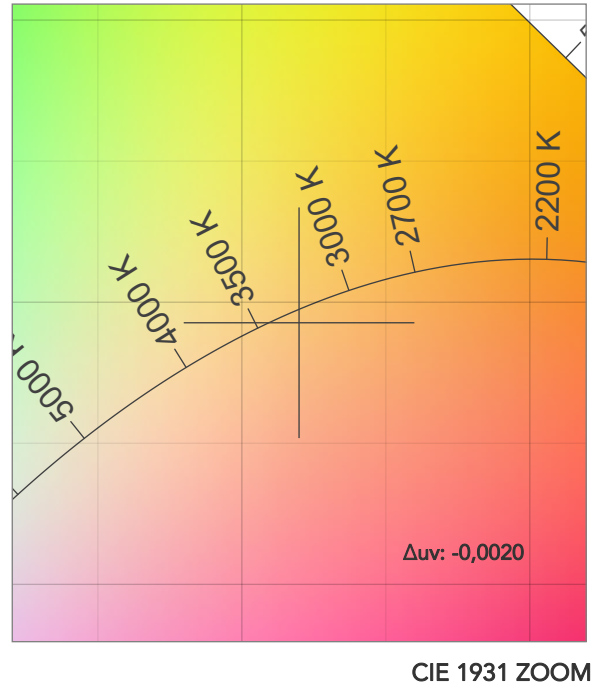
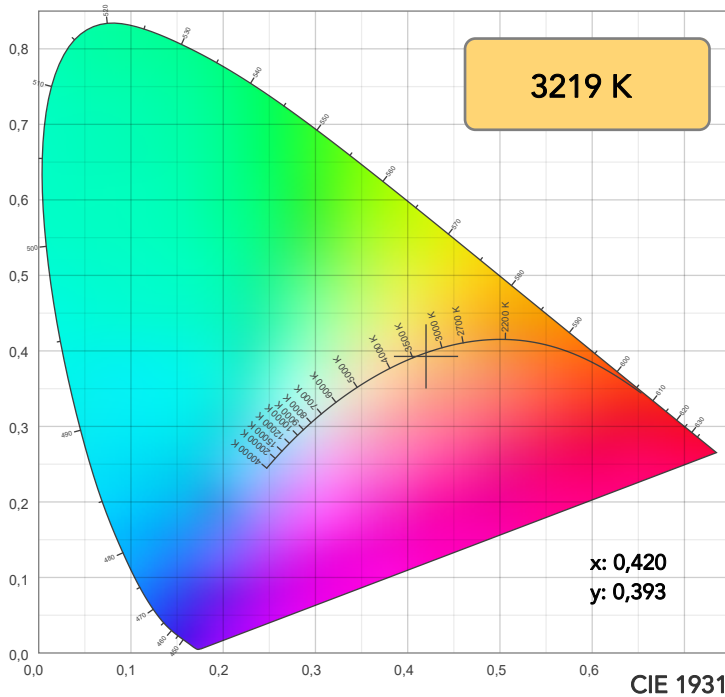
Field angle 10%: 8,1°

Cut off angle 2.5%: 12,6°

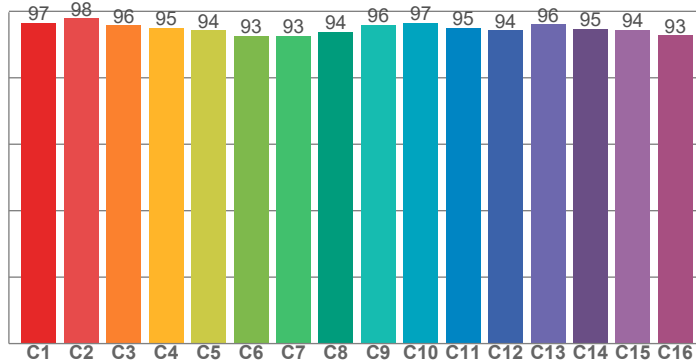
Spectra



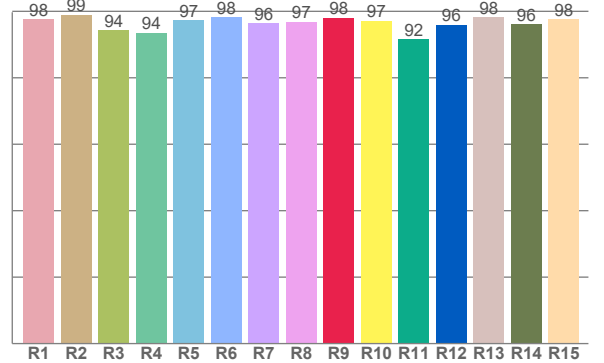
COLOR DETAILS



TM30: 95,1



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
97,6	99,0	94,4	93,6	97,4	98,3	96,3	96,8	98,1	97,2	91,6	96,0	98,2	96,0	97,7

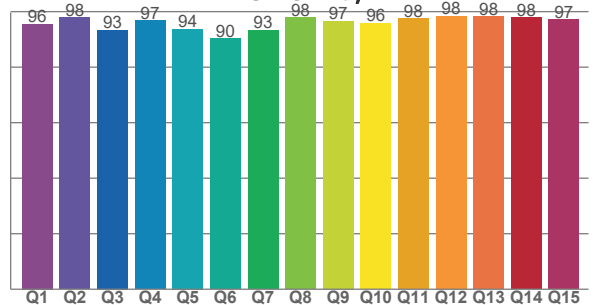
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,5	97,8	93,3	96,7	93,7	90,3	93,3	97,9	96,7	95,8	97,5	98,5	98,2	97,9	97,1

CQS: 95,2



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3219 K	96,7	98,1	95,1	104,3	95,2	97	0,420	0,393	-0,0020

TM30 DETAILS

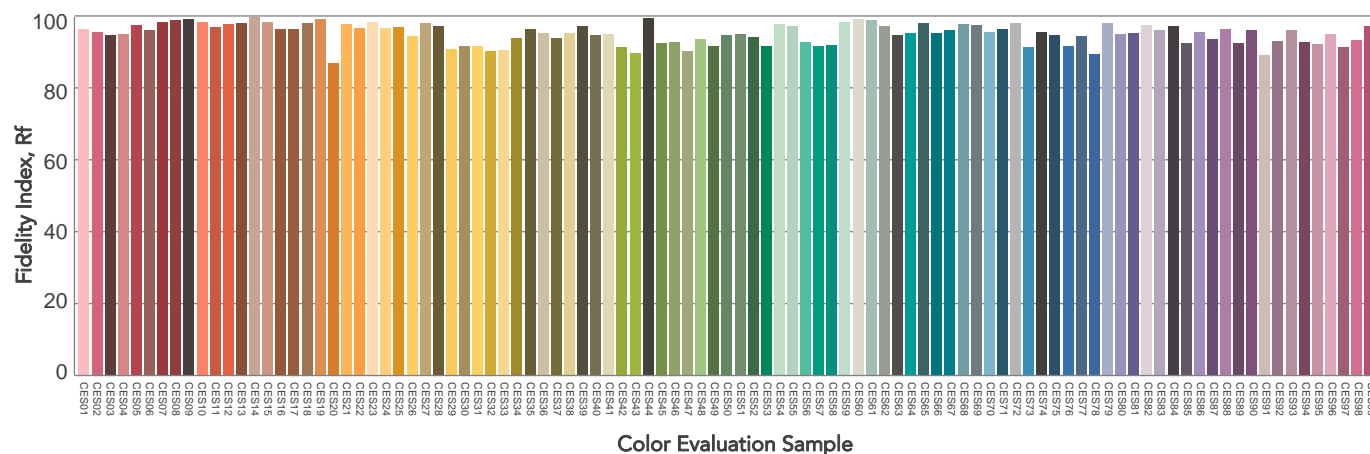
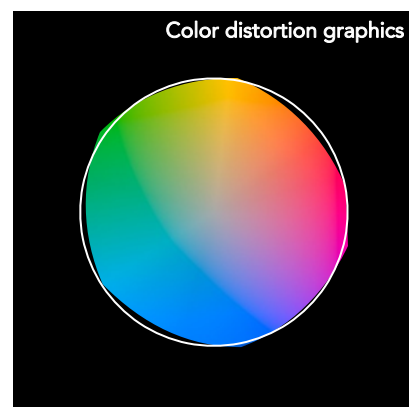
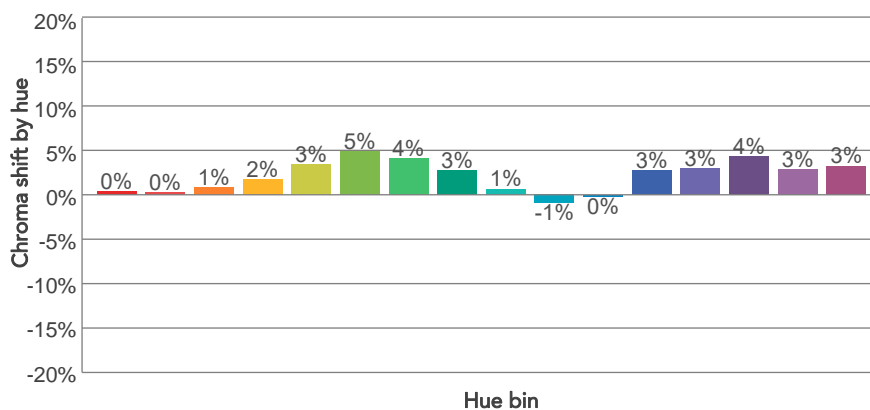
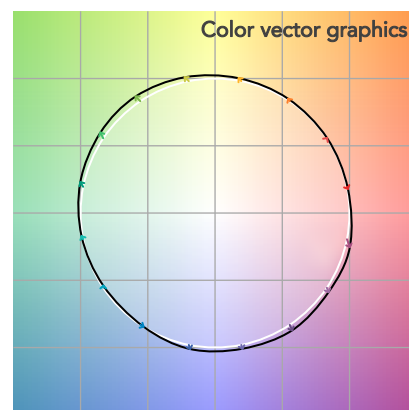
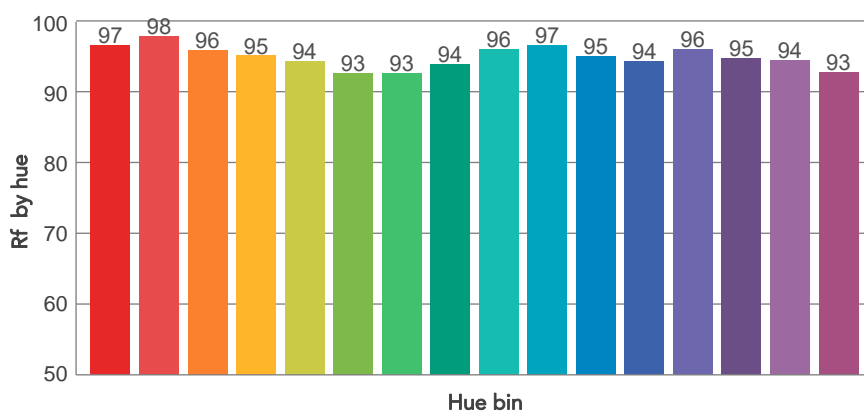
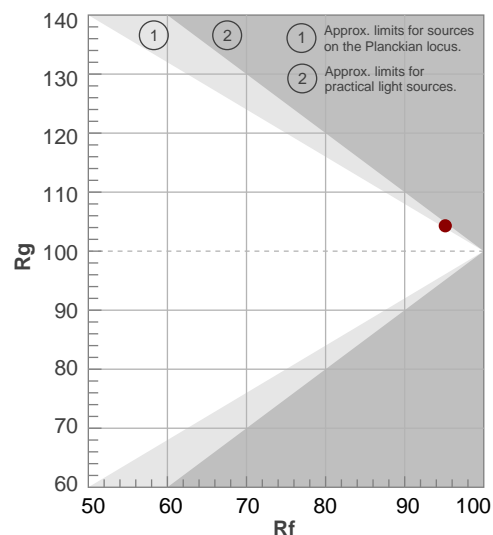
Rf 95,1

Fidelity index Rf

Rg 104,3

Gammut index

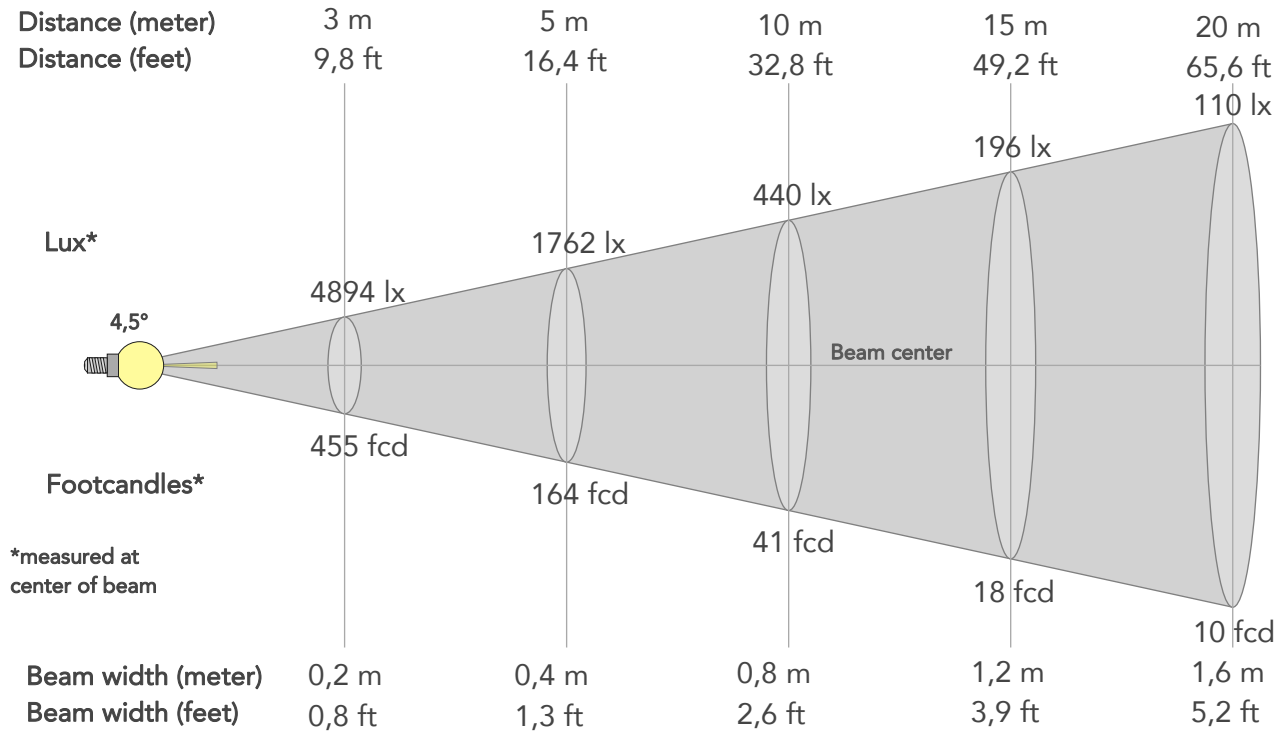
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	0%	-2%
2	98	0%	0%
3	96	1%	2%
4	95	2%	2%
5	94	3%	2%
6	93	5%	1%
7	93	4%	-2%
8	94	3%	-3%
9	96	1%	-2%
10	97	-1%	-1%
11	95	0%	3%
12	94	3%	2%
13	96	3%	0%
14	95	4%	-1%
15	94	3%	-2%
16	93	3%	-5%



BEAM DETAILS



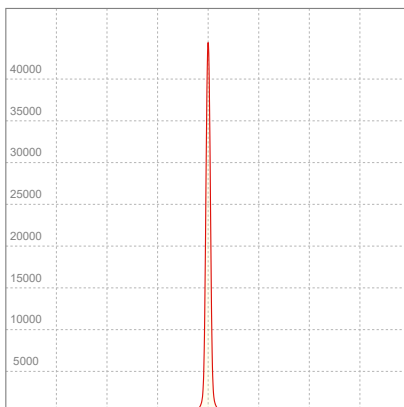
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,5°	8,1°	12,6°	95,0%	91,1%



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	44049lx	11012lx	4894lx	2753lx	1762lx	783lx	440lx	196lx	110lx	70lx	49lx	28lx	18lx
Footcand.	4092fcd	1023fcd	455fcd	256fcd	164fcd	73fcd	41fcd	18fcd	10fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,2m	1,6m	2m	2,4m	3,2m	4m
Beam wid.	0,3ft	0,5ft	0,8ft	1ft	1,3ft	1,9ft	2,6ft	3,9ft	5,2ft	6,5ft	7,8ft	10,4ft	13ft

LINEAR DISTRIBUTION DIAGRAM

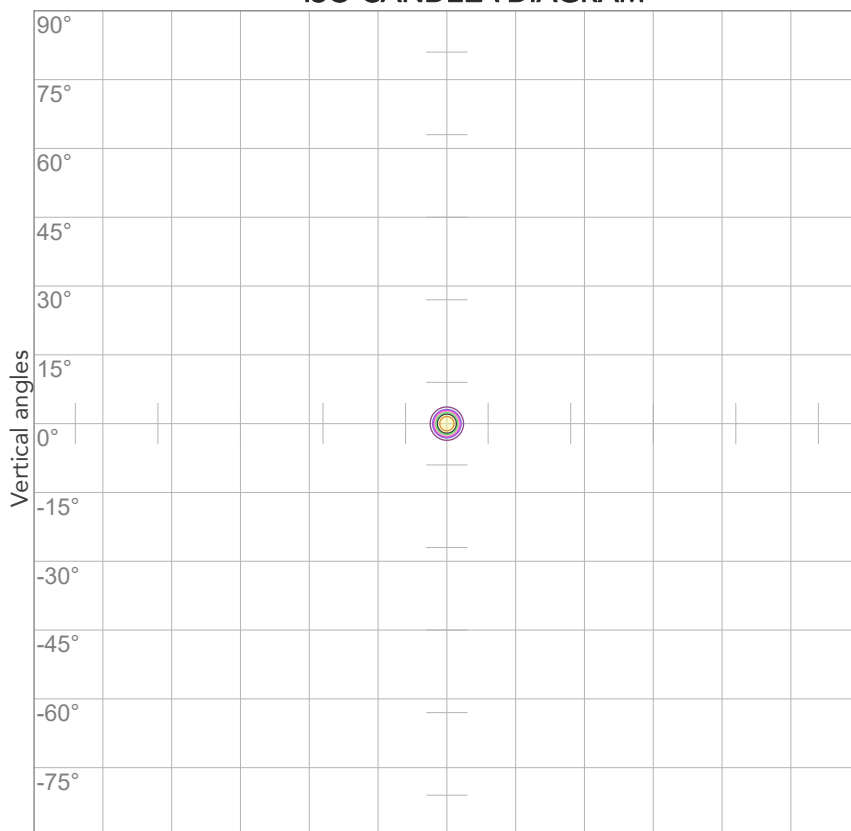


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,127A	25,8W	0,91	22lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



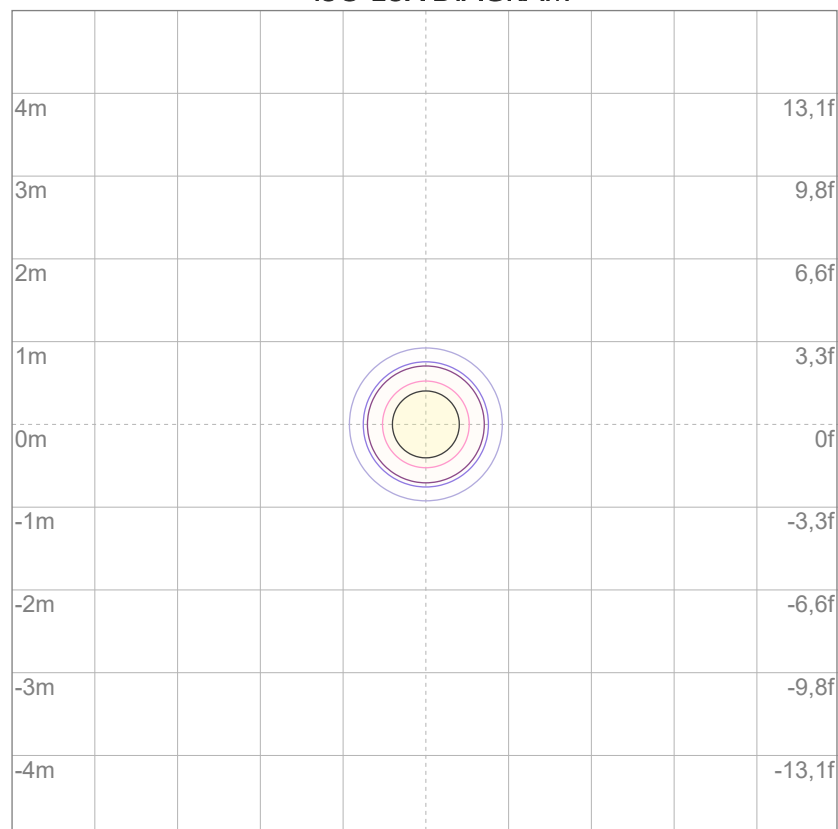
10%	4405 cd
20%	8810 cd
30%	13215 cd
40%	17620 cd
50%	22025 cd
60%	26430 cd
70%	30835 cd
80%	35240 cd

Conditions:

Number of c-planes: 2

Candela at center: 44049 cd

ISO LUX DIAGRAM



3%	13,2 lx
5%	22,0 lx
10%	44,0 lx
30%	132 lx
50%	220 lx

Conditions:

Number of c-planes: 2

Lux at center: 440 lx

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



Total lumen output:

487 lm

Peak candela output:

2240 cd

Light quality:

CRI: 96,6

Color temperature:

3208 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 20° Filter

Target:

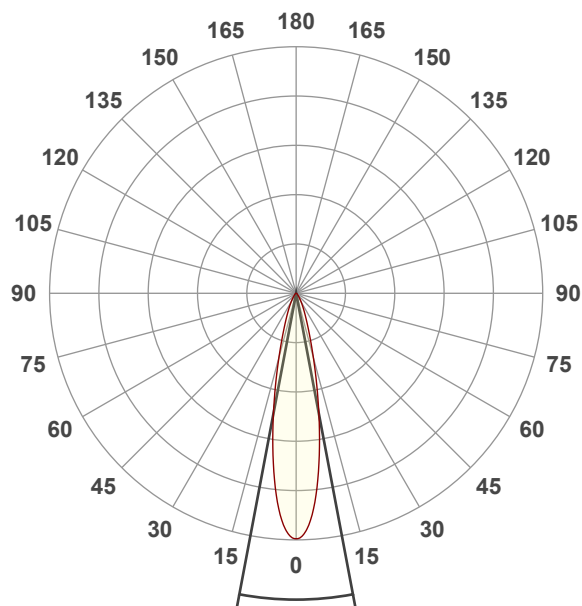
3200K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 16:42:46

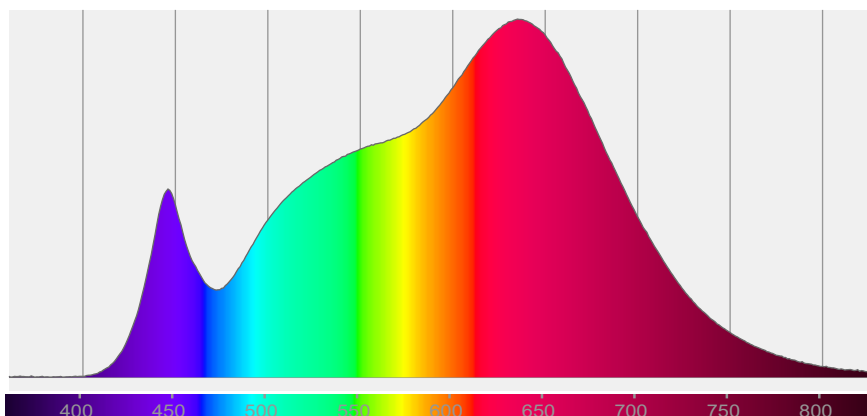


Beam angle 50%: 21,4°

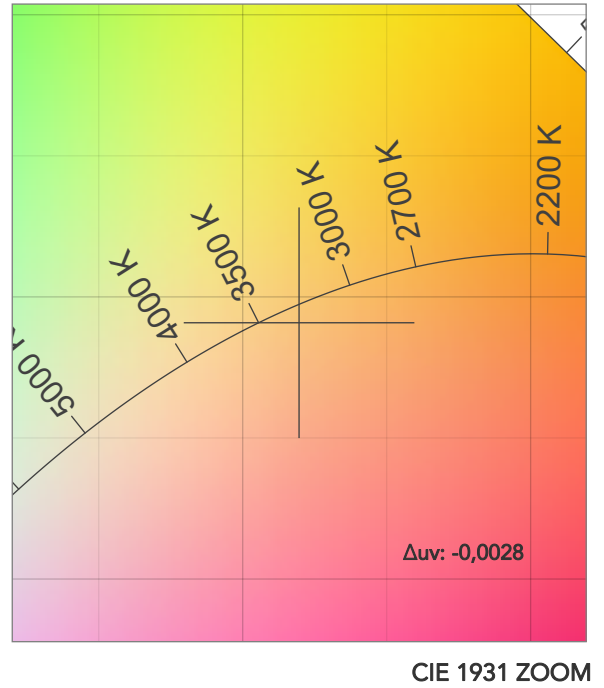
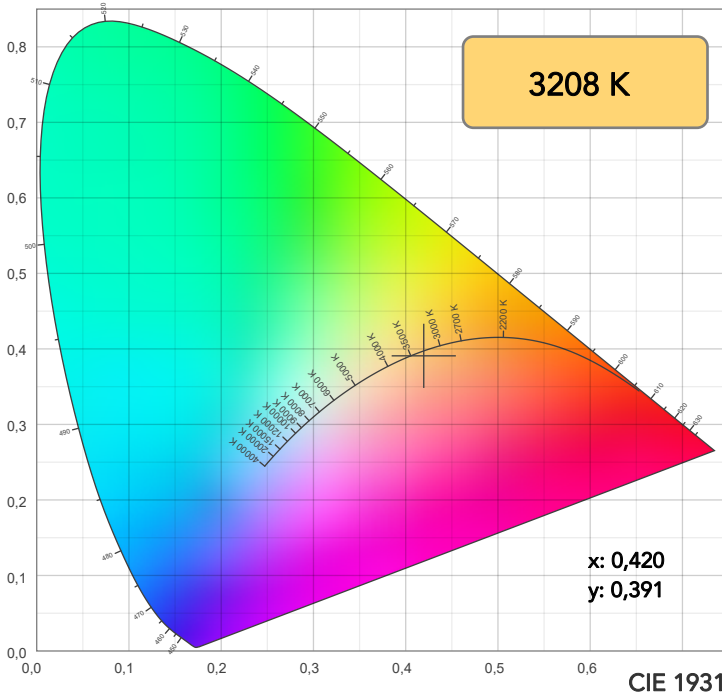
Field angle 10%: 44,5°

Cut off angle 2.5%: 69,4°

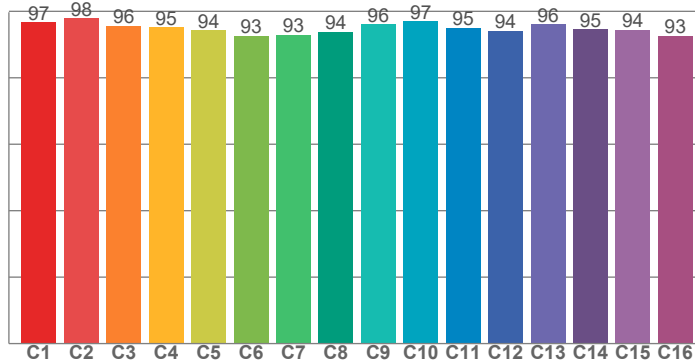
Spectra



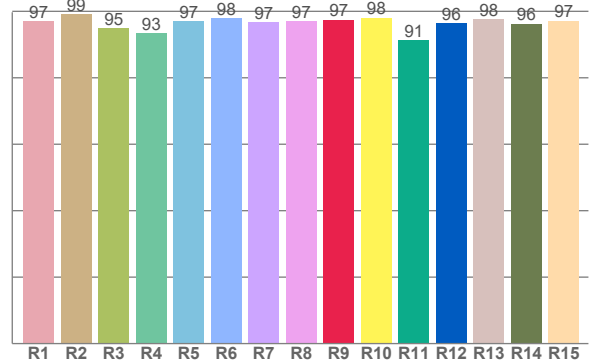
COLOR DETAILS



TM30: 95,2



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
97,0	99,0	94,9	93,5	96,9	97,9	96,6	97,0	97,5	98,1	91,2	96,4	97,5	96,3	97,2

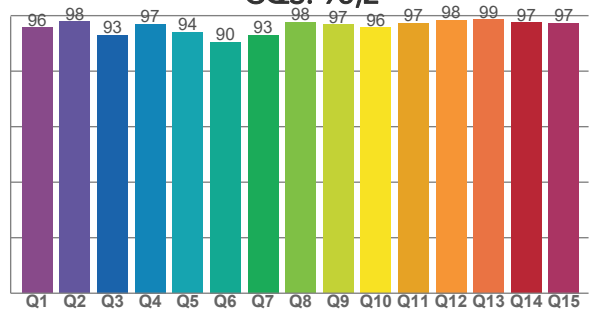
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,7	97,9	93,1	97,0	94,0	90,4	93,0	97,6	96,7	95,7	97,4	98,3	98,5	97,5	97,4

CQS: 95,2



COLOR PARAMETERS

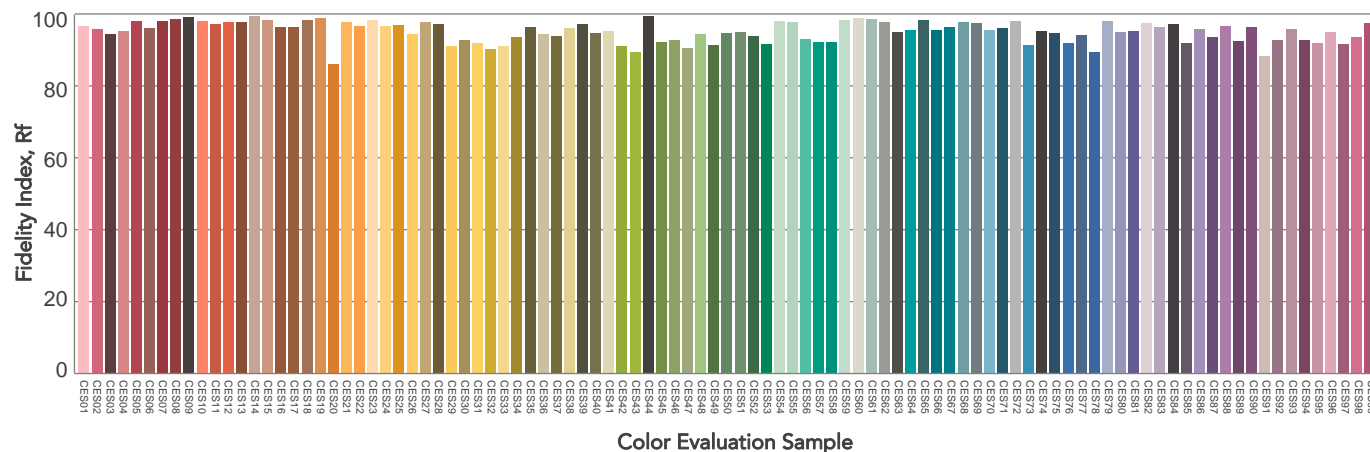
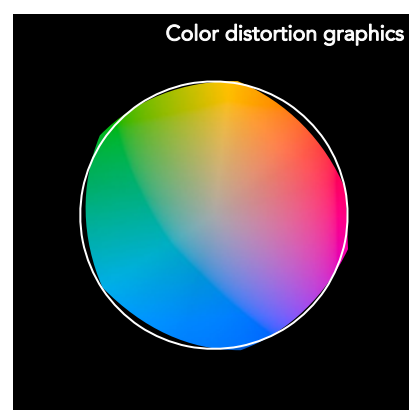
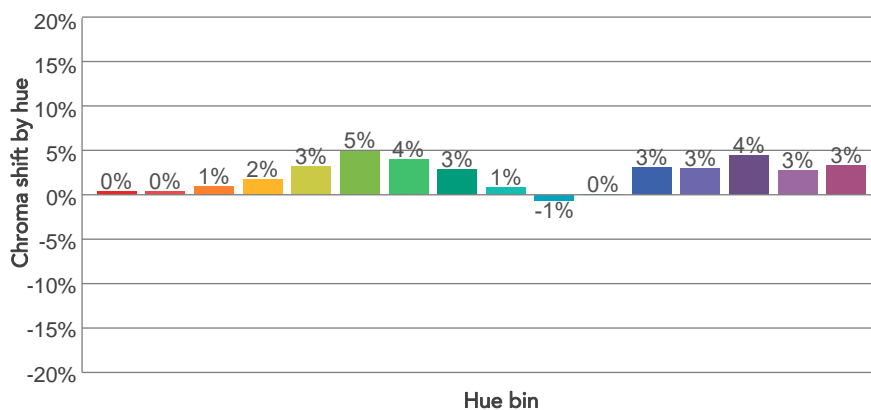
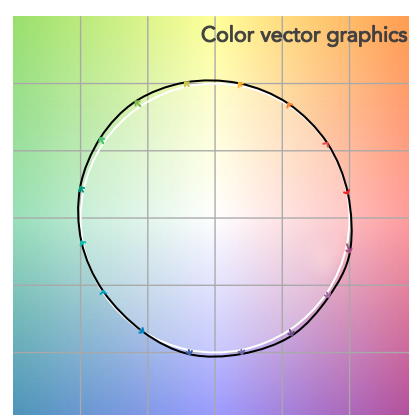
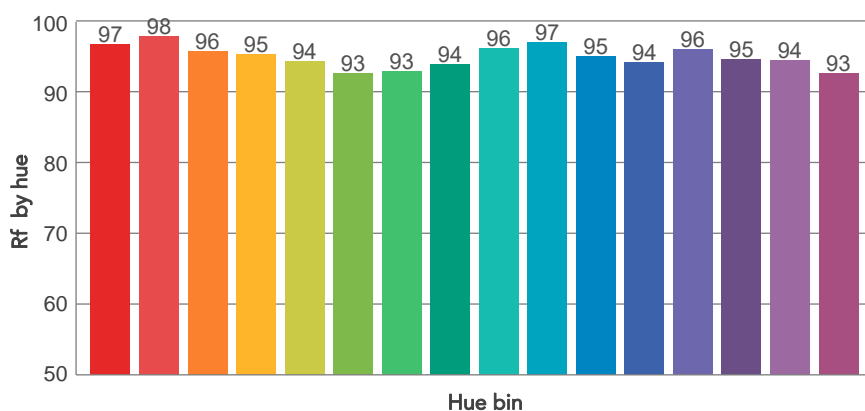
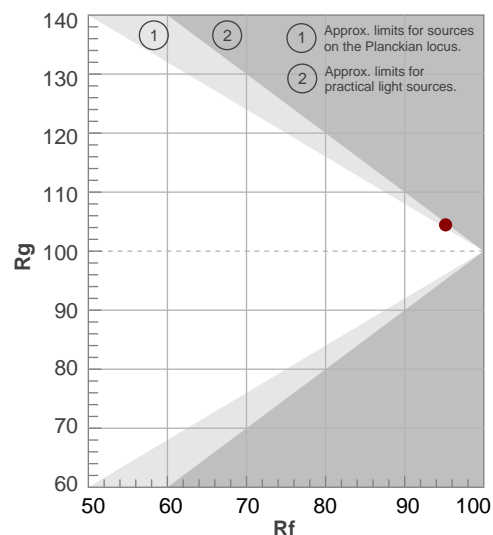
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3208 K	96,6	97,5	95,2	104,5	95,2	97	0,420	0,391	-0,0028

TM30 DETAILS

Rf 95,2
Fidelity index Rf

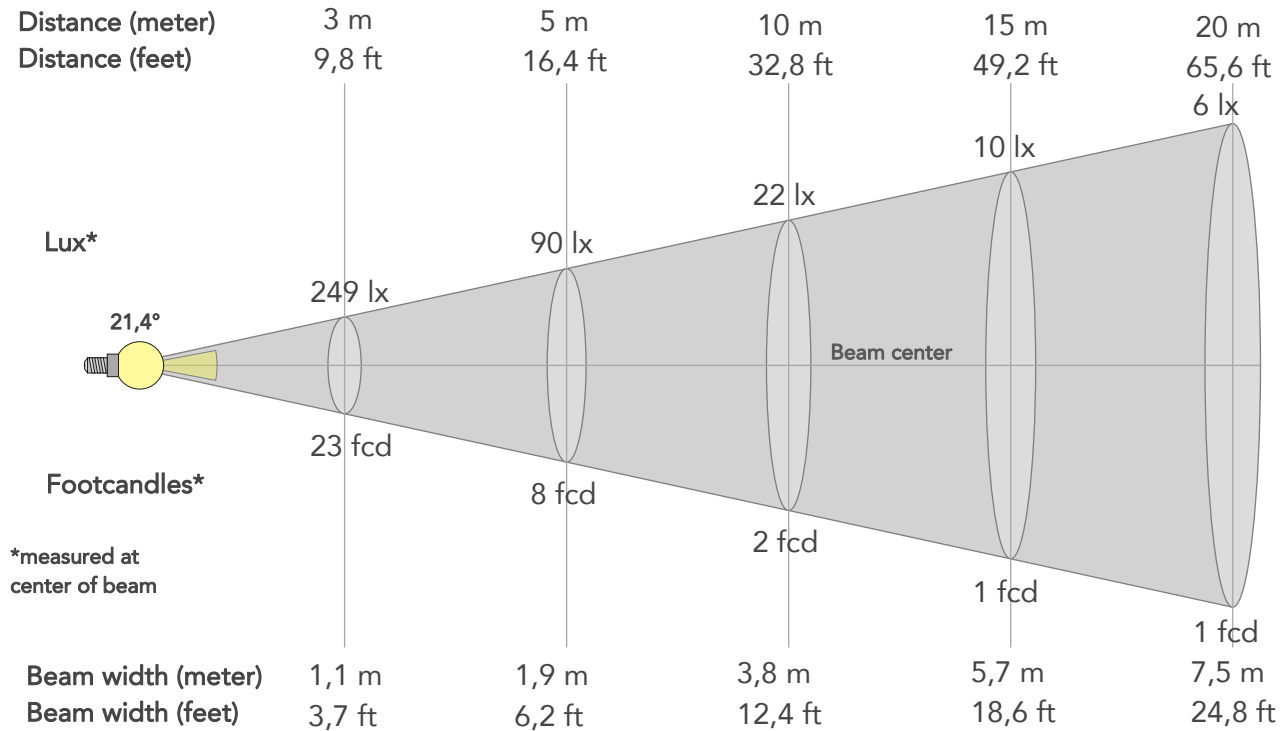
Rg 104,5
Gammut index

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



BEAM DETAILS

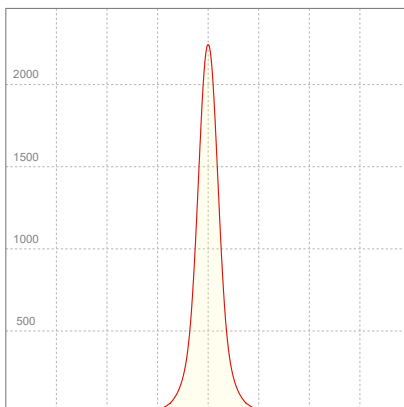
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,4°	44,5°	69,4°	97,3%	93,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2240lx	560lx	249lx	140lx	90lx	40lx	22lx	10lx	6lx	4lx	2lx	1lx	1lx
Footcand.	208fcd	52fcd	23fcd	13fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,1m	1,5m	1,9m	2,8m	3,8m	5,7m	7,5m	9,4m	11,3m	15,1m	18,9m
Beam wid.	1,2ft	2,5ft	3,7ft	4,9ft	6,2ft	9,3ft	12,4ft	18,6ft	24,8ft	30,9ft	37,1ft	49,5ft	61,9ft

LINEAR DISTRIBUTION DIAGRAM

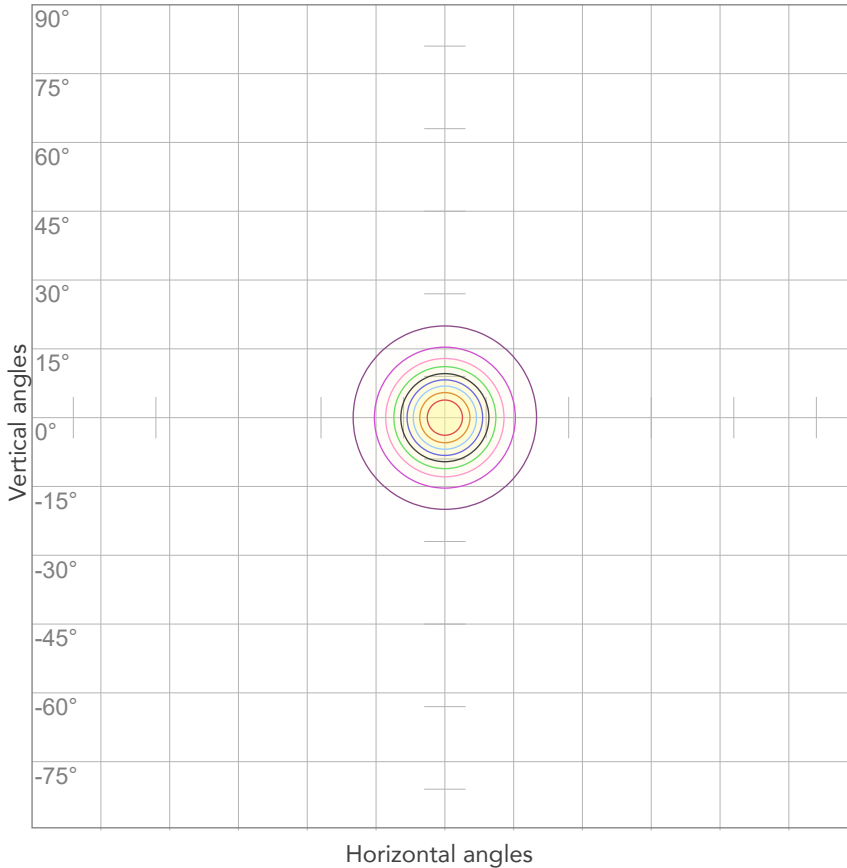


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,123A	24,9W	0,9	20lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



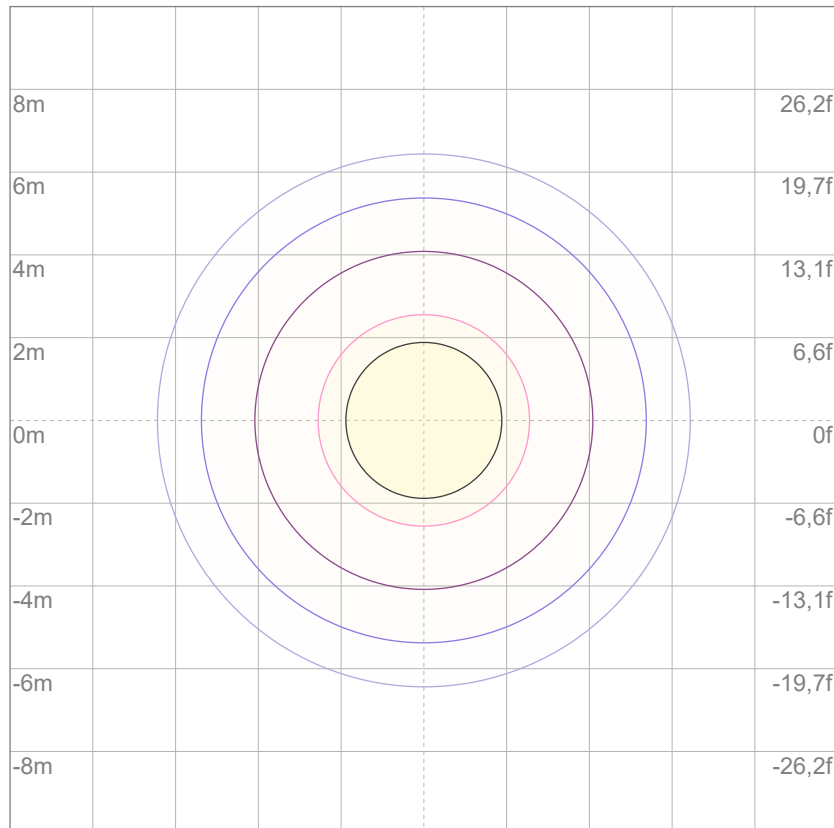
10%	224 cd
20%	448 cd
30%	672 cd
40%	896 cd
50%	1120 cd
60%	1344 cd
70%	1568 cd
80%	1792 cd

Conditions:

Number of c-planes: 2

Candela at center: 2240 cd

ISO LUX DIAGRAM



3%	0,672 lx
5%	1,12 lx
10%	2,24 lx
30%	6,72 lx
50%	11,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 22,4 lx

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



Total lumen output:

455 lm

Peak candela output:

592 cd

Light quality:

CRI: 96,5

Color temperature:

3235 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 40° Filter

Target:

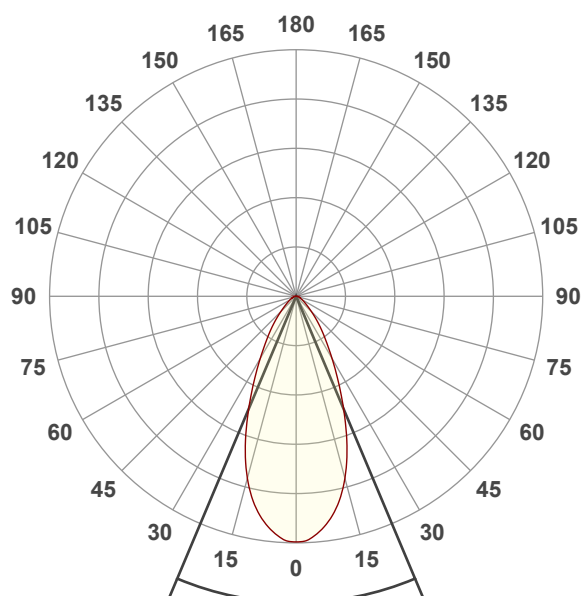
3200K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 16:48:14

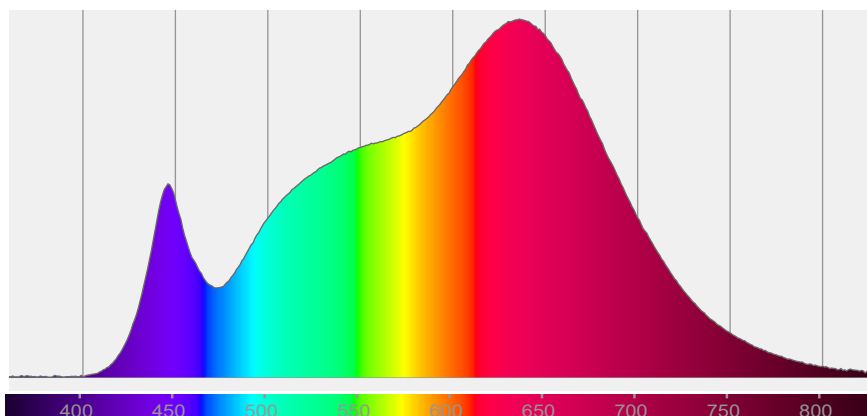


Beam angle 50%: 45,7°

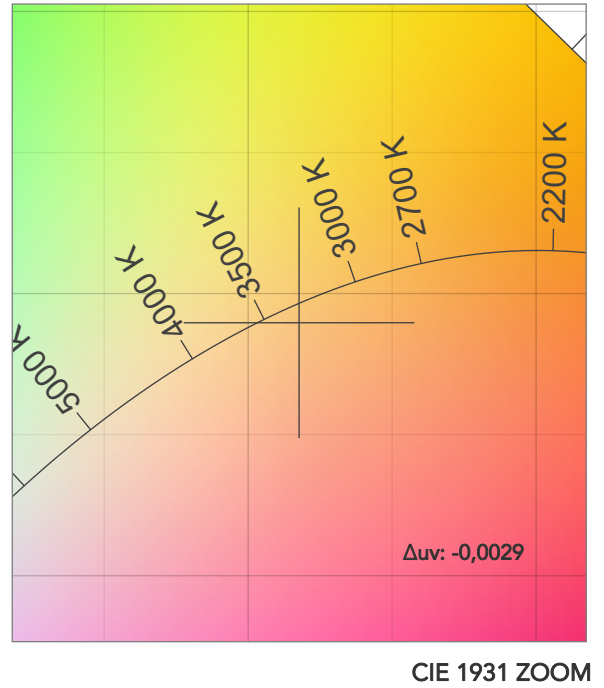
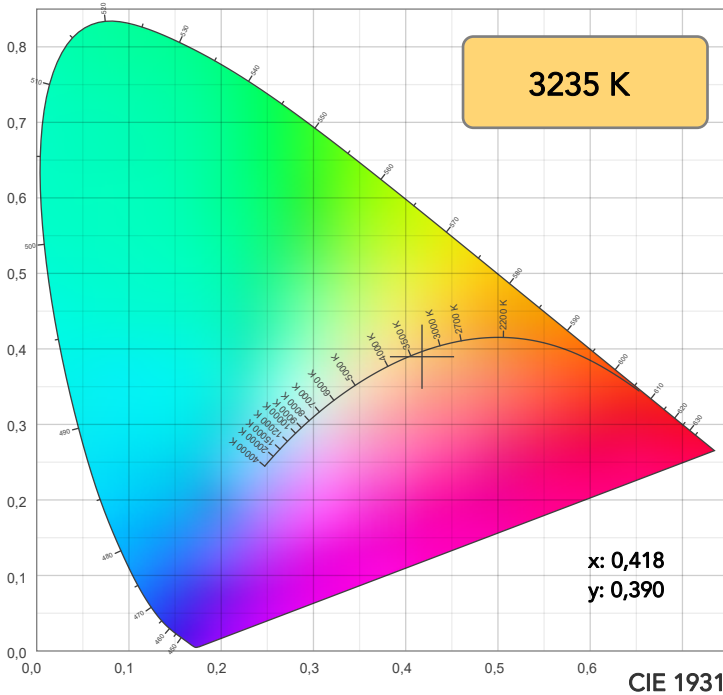
Field angle 10%: 87,3°

Cut off angle 2.5%: 124,8°

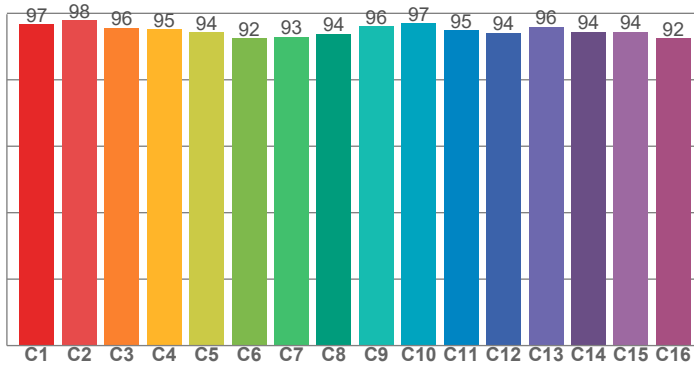
Spectra



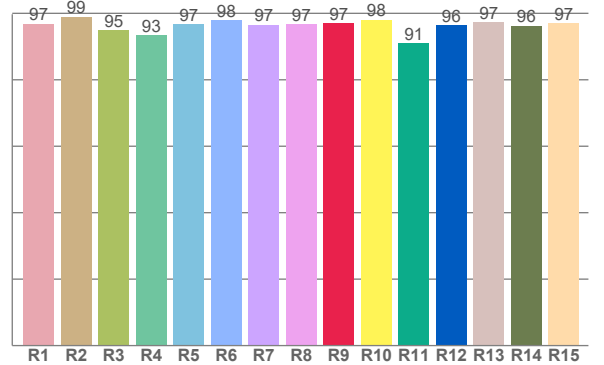
COLOR DETAILS



TM30: 95,1



CRI: 96,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,9	99,0	94,8	93,4	96,8	97,8	96,6	96,8	97,0	98,1	91,1	96,3	97,4	96,3	96,9

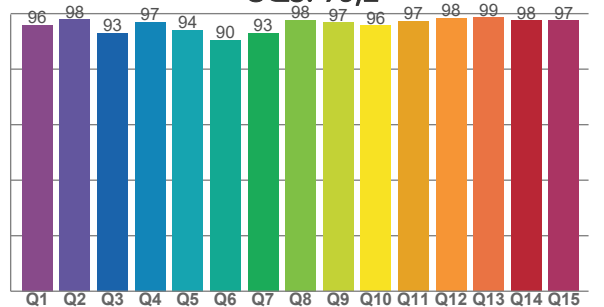
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,9	97,9	93,0	97,0	94,1	90,5	93,1	97,7	96,7	95,7	97,4	98,4	98,6	97,5	97,5

CQS: 95,2



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3235 K	96,5	97,0	95,1	104,5	95,2	97	0,418	0,390	-0,0029

TM30 DETAILS

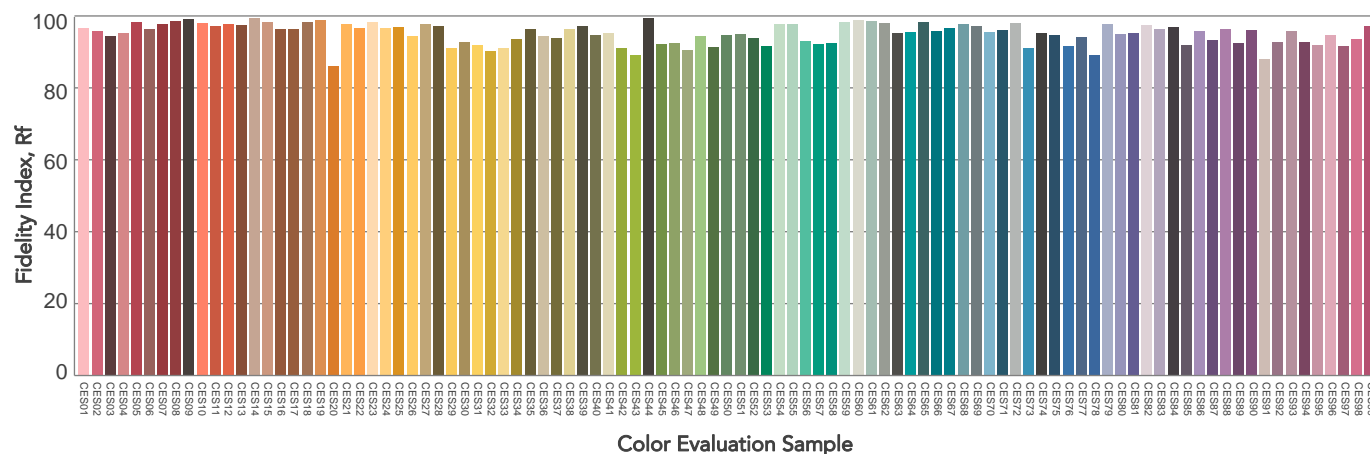
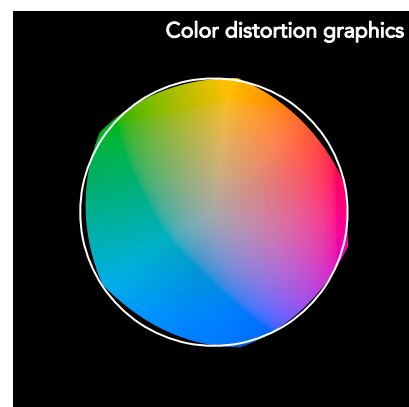
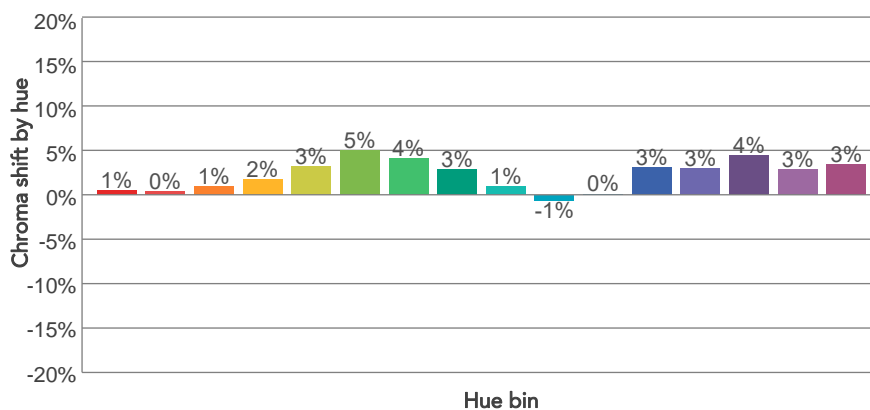
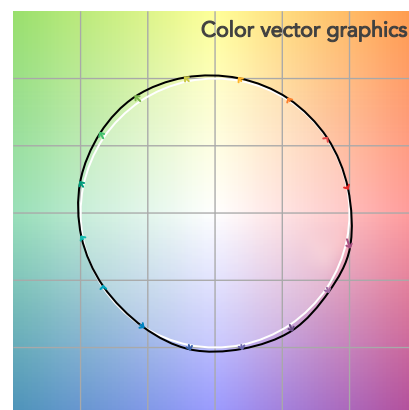
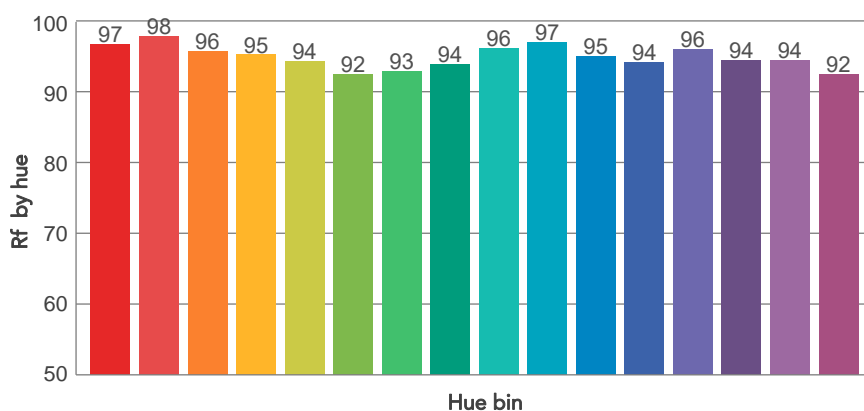
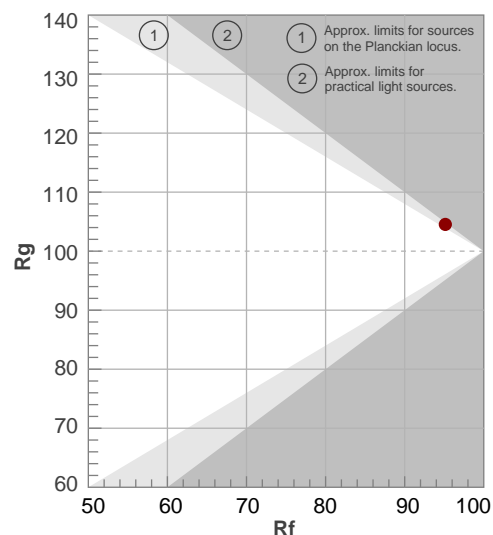
Rf 95,1

Fidelity index Rf

Rg 104,5

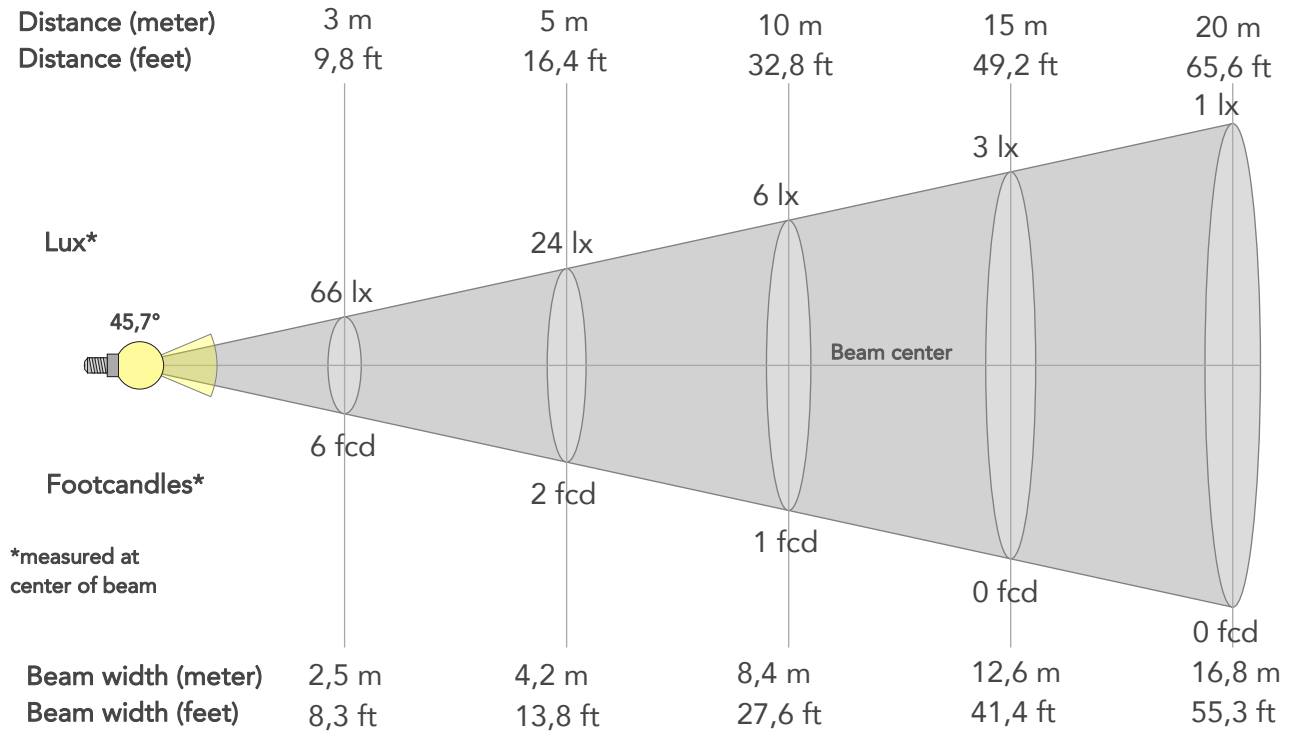
Gammut index

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



BEAM DETAILS

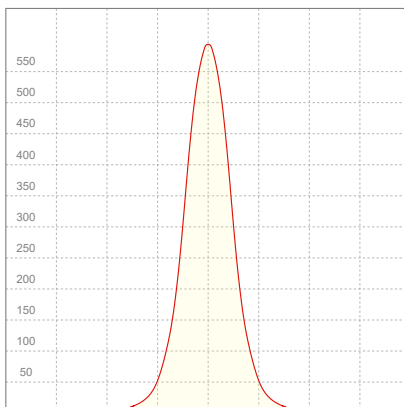
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,7°	87,3°	124,8°	95,3%	86,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	592lx	148lx	66lx	37lx	24lx	11lx	6lx	3lx	1lx	1lx	1lx	0lx	0lx
Footcand.	55fcd	14fcd	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	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	138,2ft

LINEAR DISTRIBUTION DIAGRAM

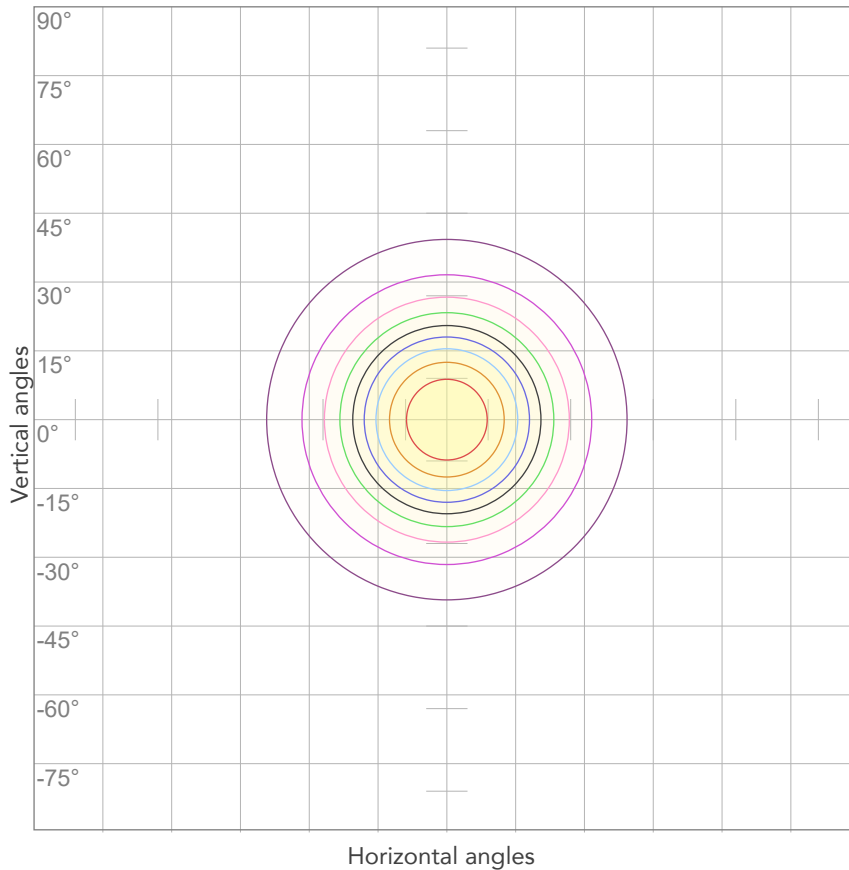


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,123A	25,0W	0,91	18lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



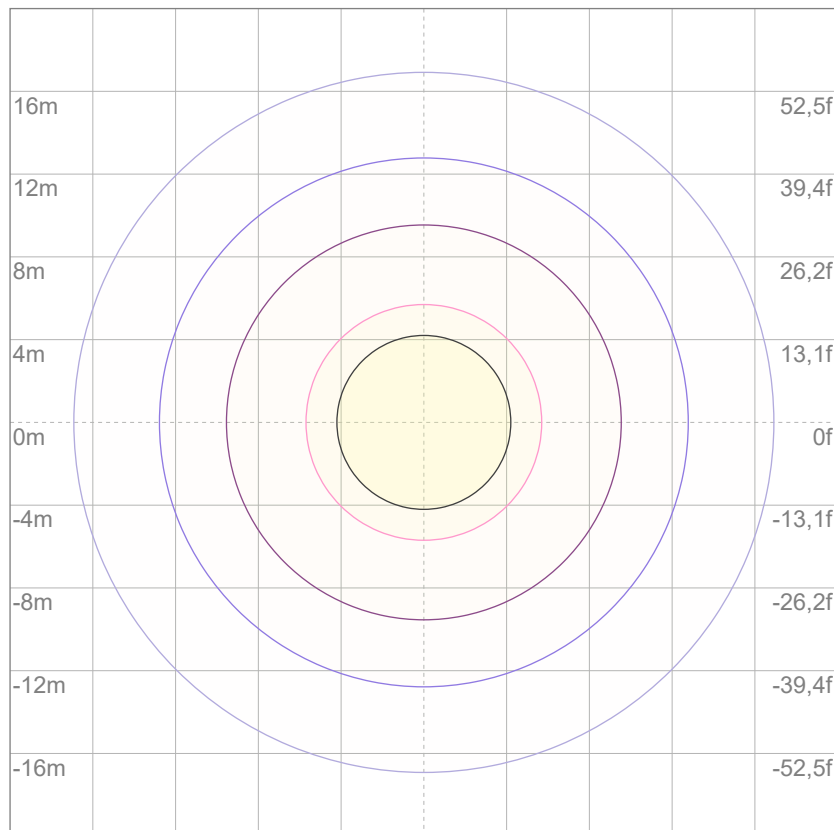
10%	59 cd
20%	118 cd
30%	178 cd
40%	237 cd
50%	296 cd
60%	355 cd
70%	415 cd
80%	474 cd

Conditions:

Number of c-planes: 2

Candela at center: 592 cd

ISO LUX DIAGRAM



3%	0,178 lx
5%	0,296 lx
10%	0,592 lx
30%	1,78 lx
50%	2,96 lx

Conditions:

Number of c-planes: 2

Lux at center: 5,92 lx

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



Total lumen output:

474 lm

Peak candela output:

468 cd

Light quality:

CRI: 96,5

Color temperature:

3223 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 60° Filter

Target:

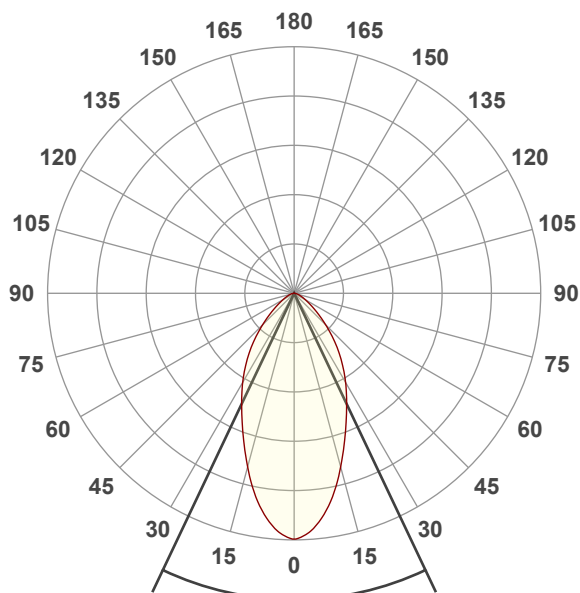
3200K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 17:02:07

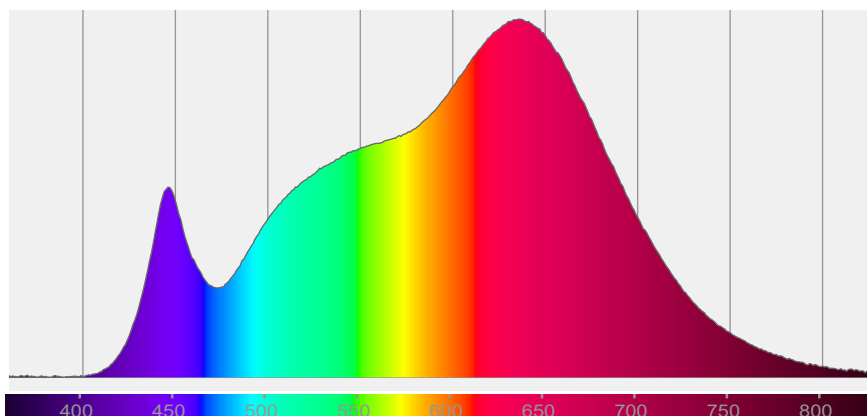


Beam angle 50%: 50,8°

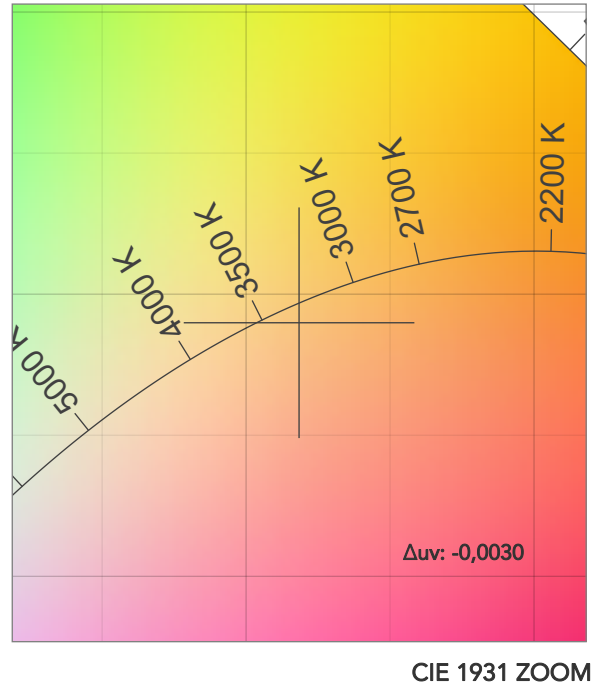
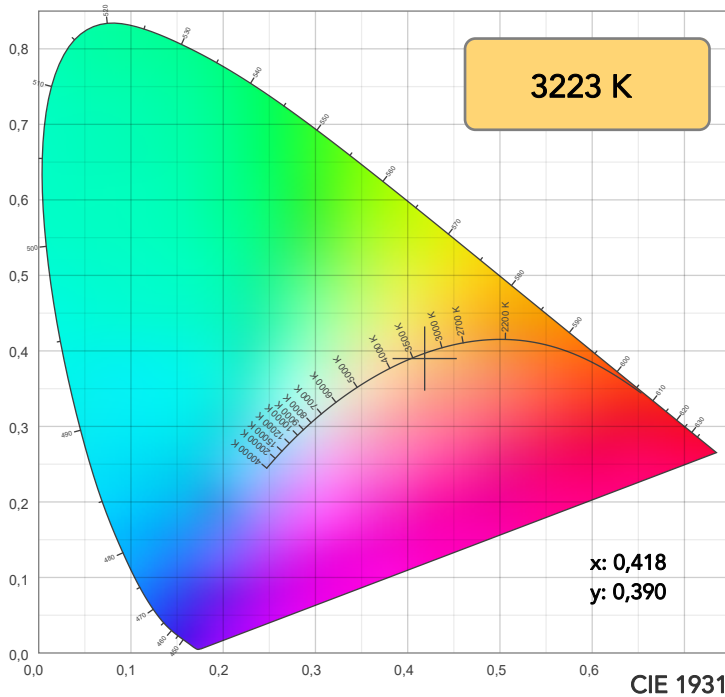
Field angle 10%: 105,1°

Cut off angle 2.5%: 139,1°

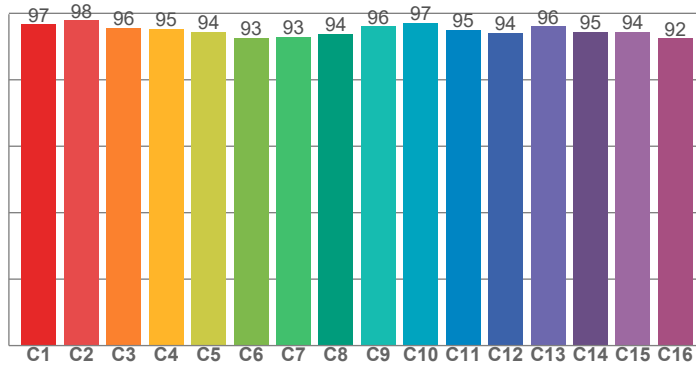
Spectra



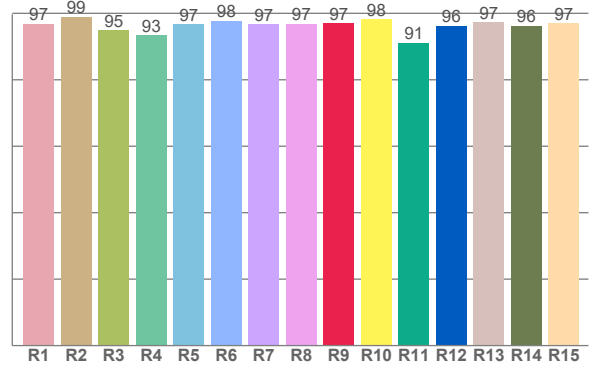
COLOR DETAILS



TM30: 95,2



CRI: 96,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,8	99,0	94,9	93,4	96,8	97,8	96,7	96,9	97,1	98,2	91,1	96,3	97,4	96,3	97,0

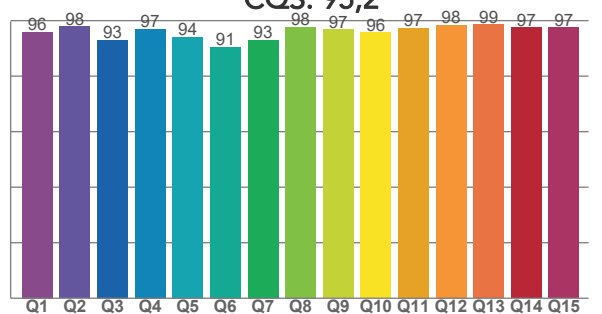
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,9	97,9	93,0	97,0	94,2	90,5	93,1	97,6	96,7	95,7	97,4	98,4	98,6	97,4	97,5

CQS: 95,2



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3223 K	96,5	97,1	95,2	104,5	95,2	97	0,418	0,390	-0,0030

TM30 DETAILS

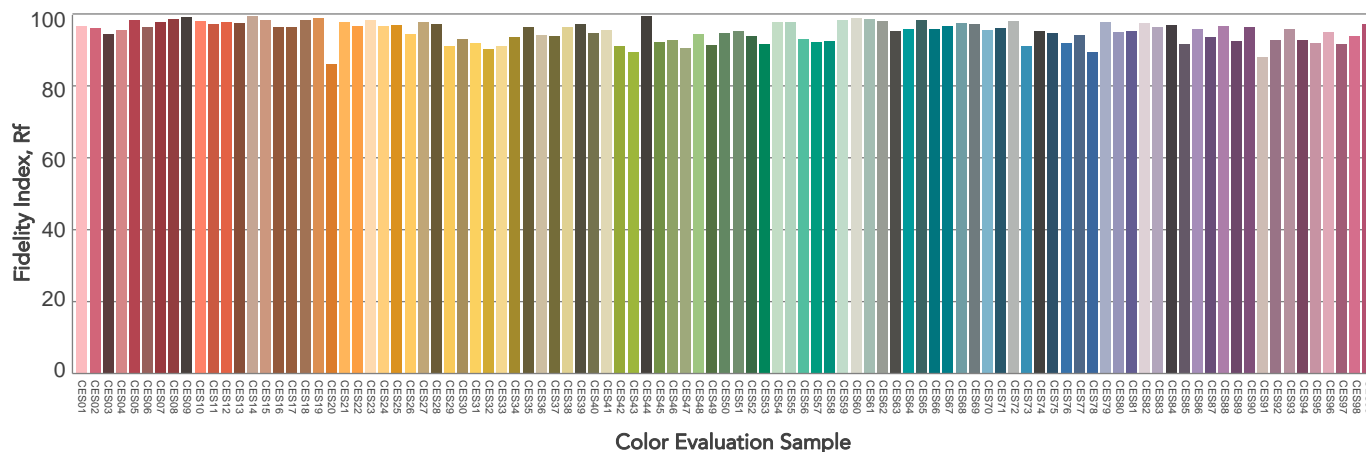
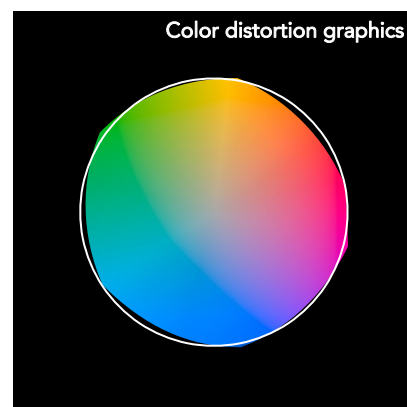
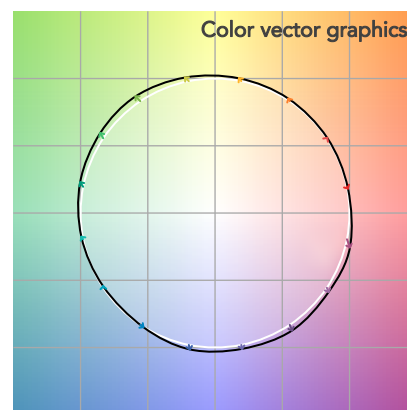
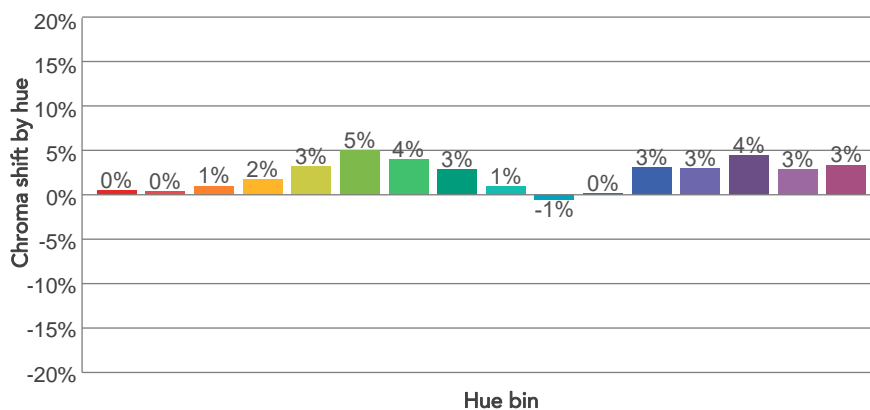
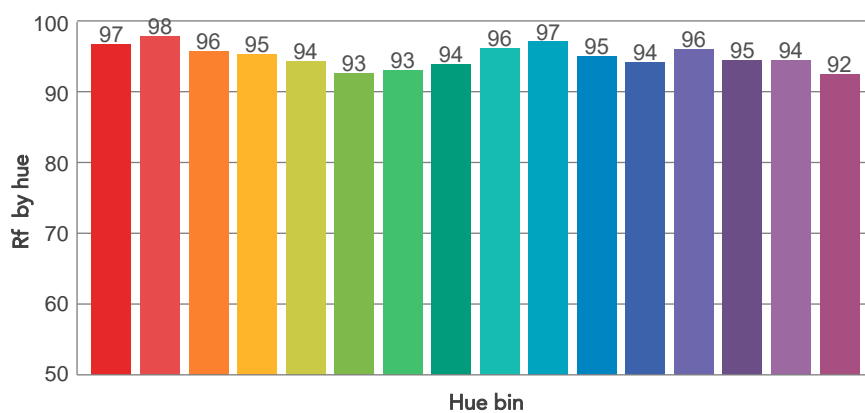
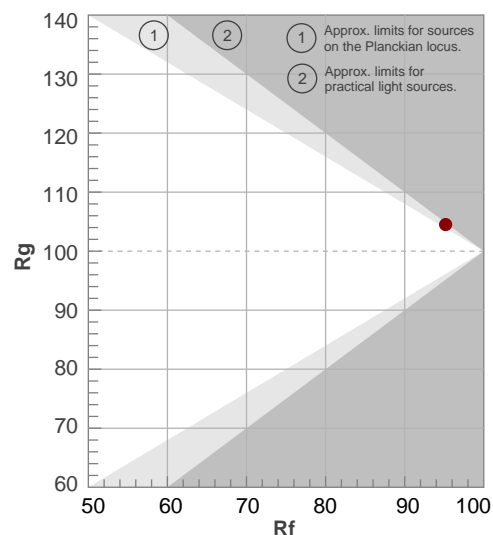
Rf 95,2

Fidelity index R_f

Rg 104,5

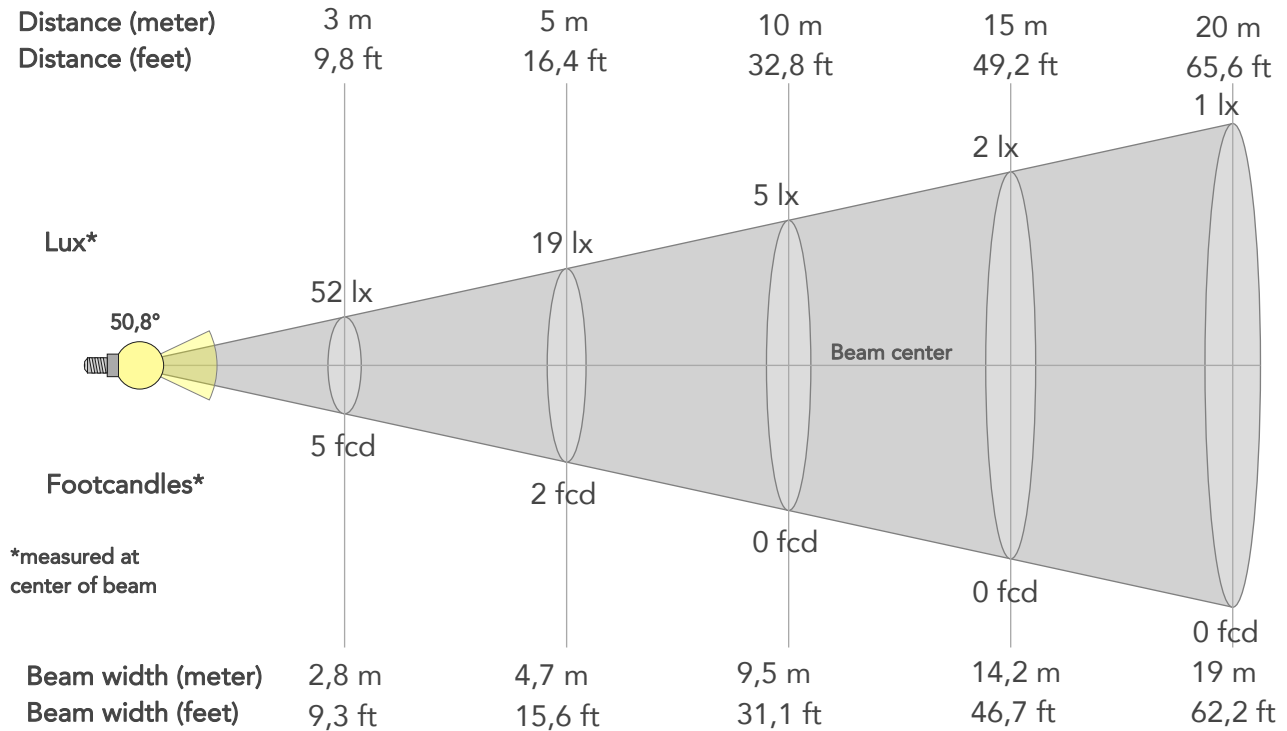
Gammut index

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



BEAM DETAILS

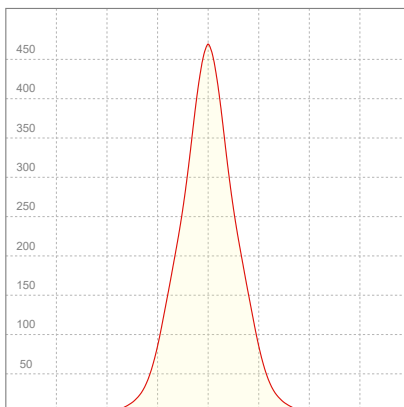
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
50,8°	105,1°	139,1°	94,0%	80,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	468lx	117lx	52lx	29lx	19lx	8lx	5lx	2lx	1lx	1lx	1lx	0lx	0lx
Footcand.	43fcd	11fcd	5fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,9m	2,8m	3,8m	4,7m	7,1m	9,5m	14,2m	19m	23,7m	28,5m	38m	47,4m
Beam wid.	3,1ft	6,3ft	9,3ft	12,4ft	15,6ft	23,3ft	31,1ft	46,7ft	62,2ft	77,8ft	93,4ft	124,5ft	155,6ft

LINEAR DISTRIBUTION DIAGRAM

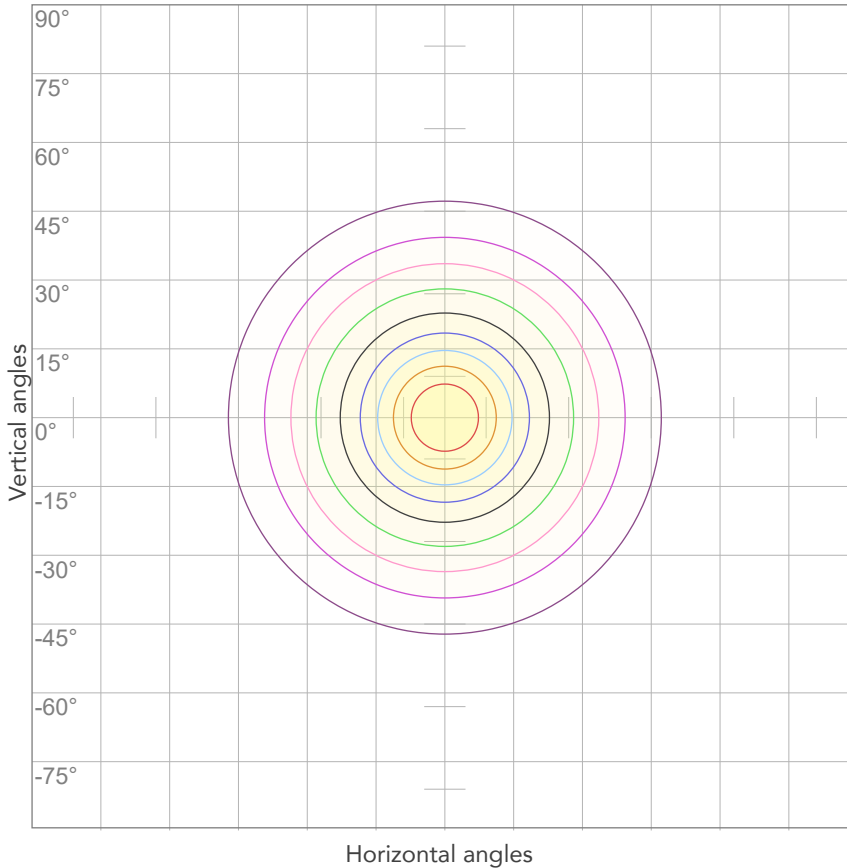


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,123A	24,8W	0,9	19lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



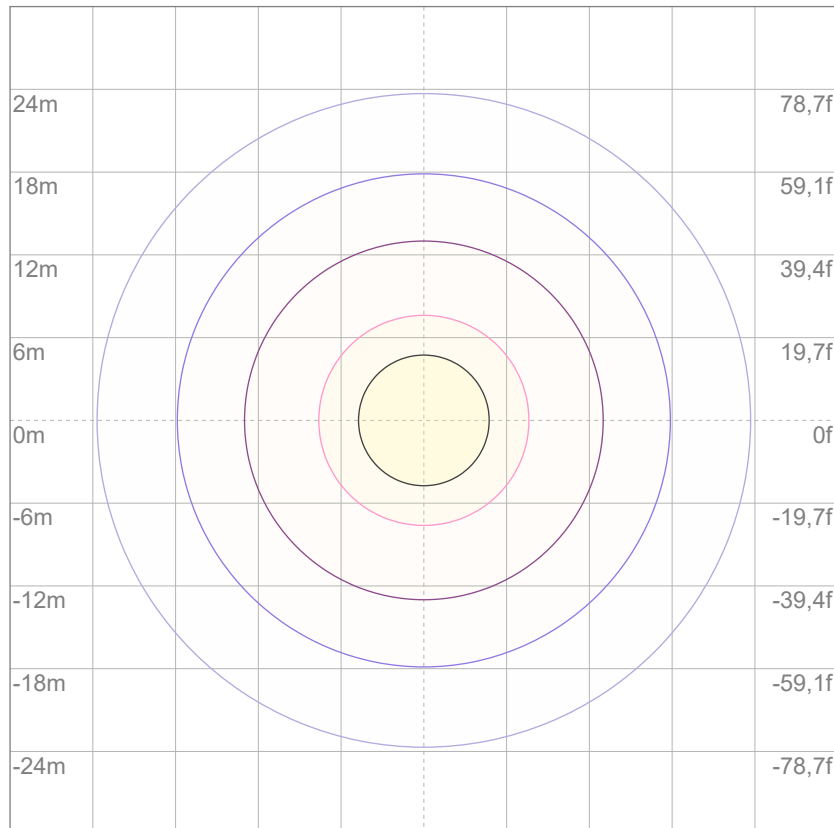
10%	47 cd
20%	94 cd
30%	140 cd
40%	187 cd
50%	234 cd
60%	281 cd
70%	328 cd
80%	374 cd

Conditions:

Number of c-planes: 2

Candela at center: 468 cd

ISO LUX DIAGRAM



3%	0,140 lx
5%	0,234 lx
10%	0,468 lx
30%	1,40 lx
50%	2,34 lx

Conditions:

Number of c-planes: 2

Lux at center: 4,68 lx

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



Total lumen output:

821 lm

Peak candela output:

1825 cd

Light quality:

CRI: 96,4

Color temperature:

3223 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 10°x 60° Filter

Target:

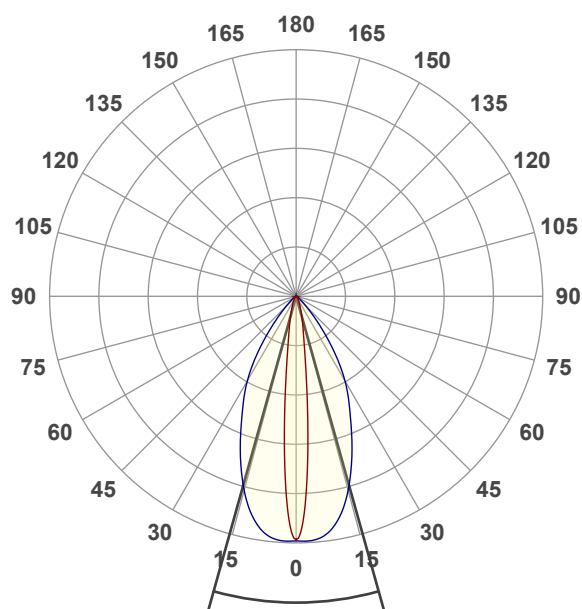
3200K

Operator:

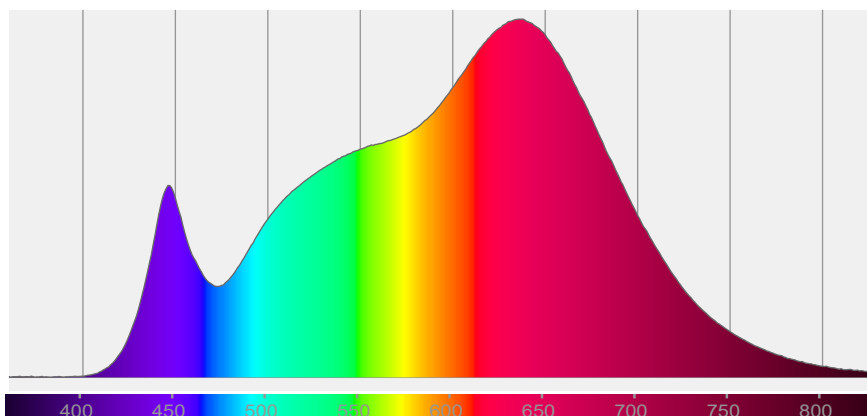
Salvatore Giglio

Date and time:

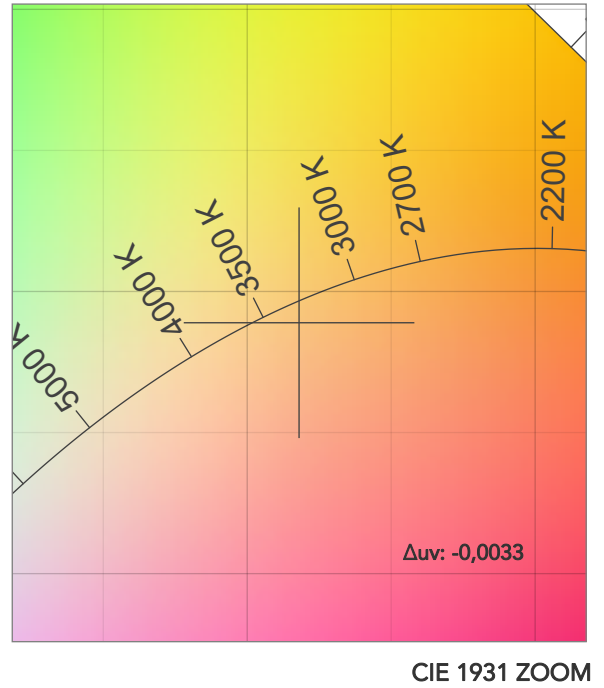
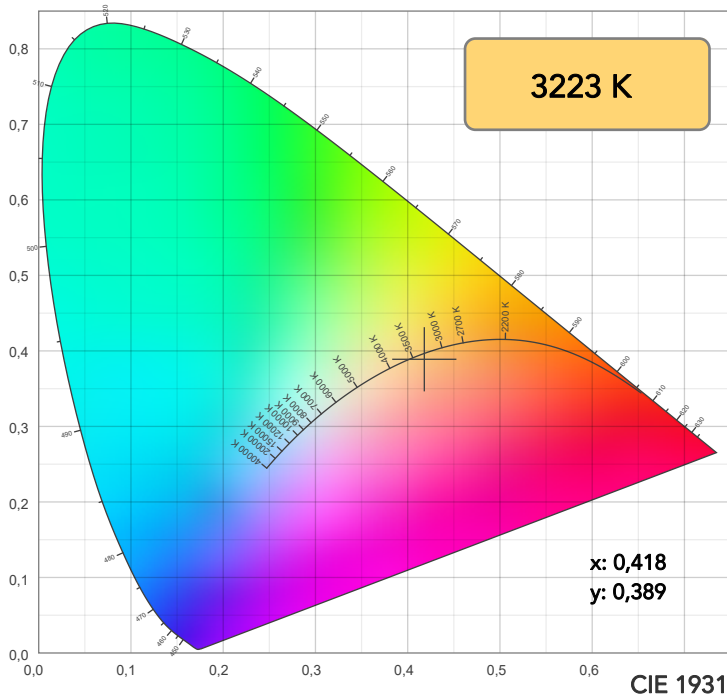
26/02/2024 17:26:08



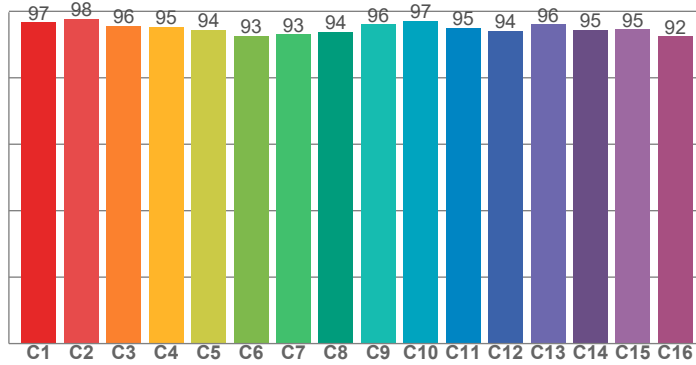
Spectra



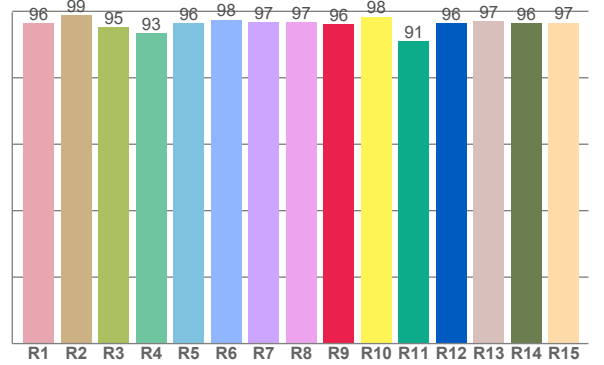
COLOR DETAILS



TM30: 95,2



CRI: 96,4 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,5	98,8	95,1	93,3	96,5	97,5	96,8	96,7	96,1	98,3	90,9	96,4	97,0	96,4	96,5

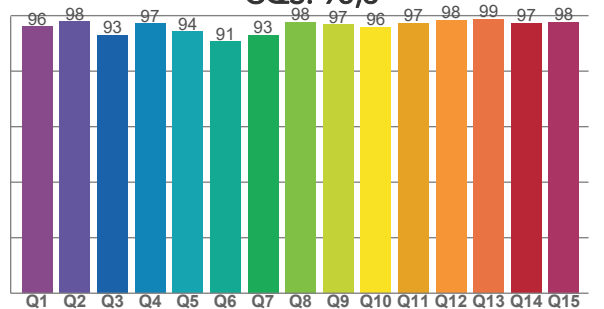
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,1	97,9	93,0	97,1	94,3	90,6	93,1	97,6	96,8	95,8	97,3	98,3	98,7	97,3	97,6

CQS: 95,3



COLOR PARAMETERS

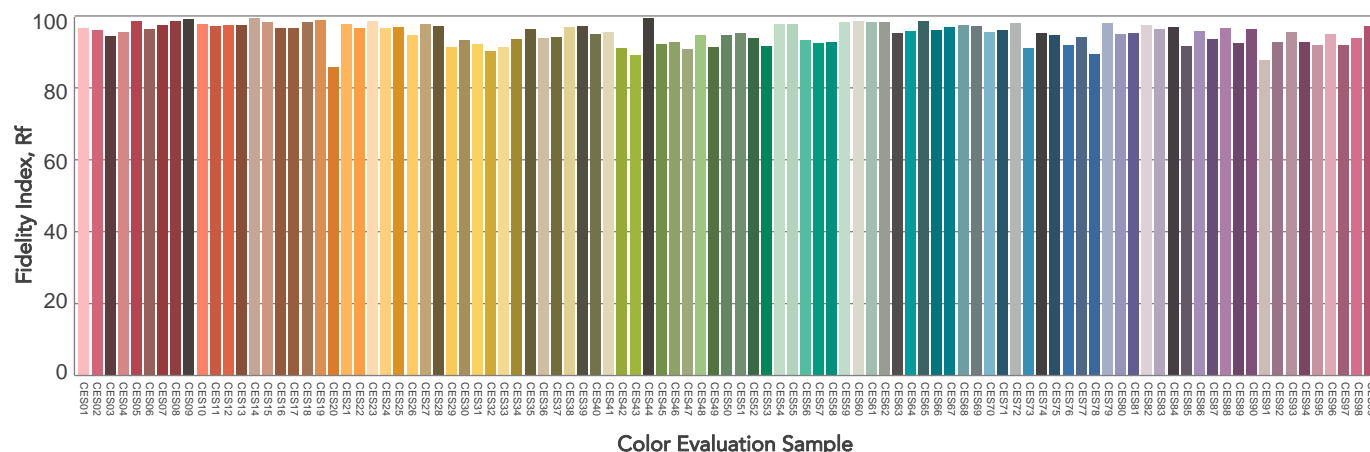
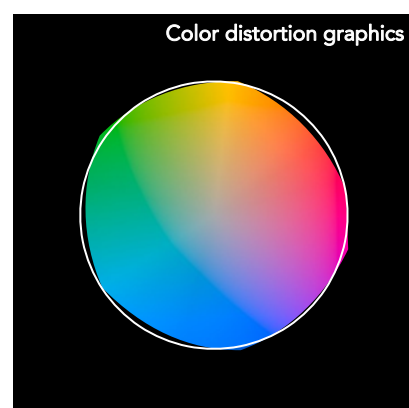
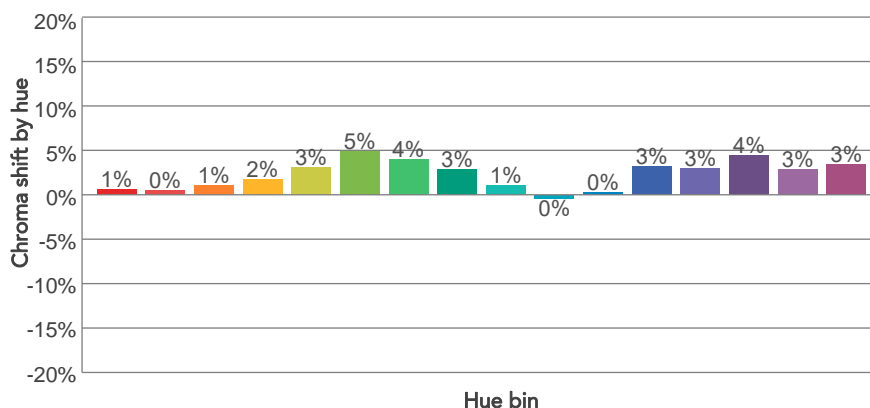
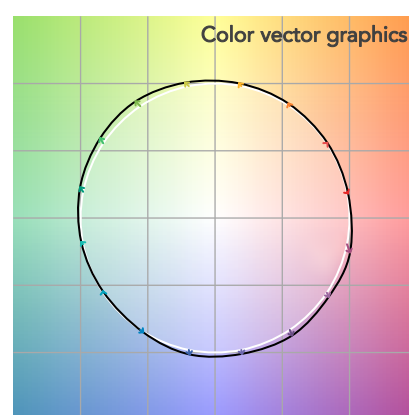
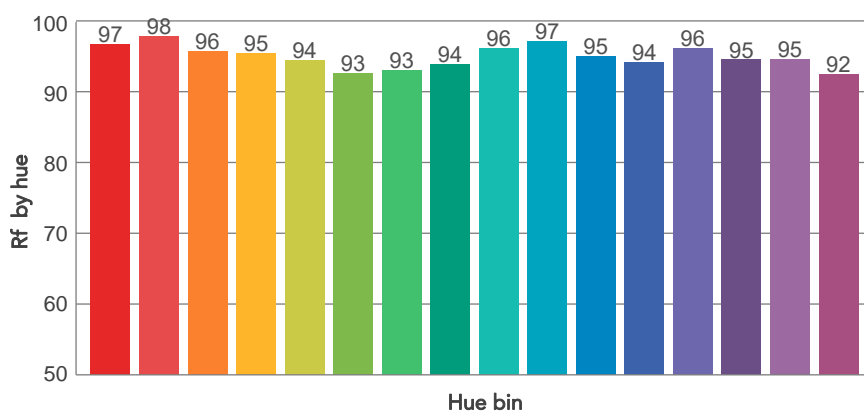
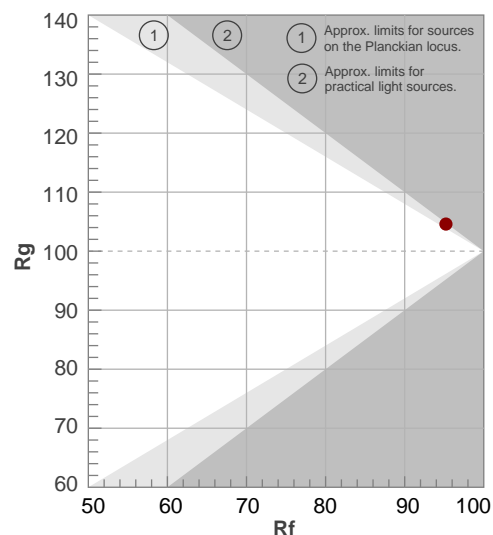
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3223 K	96,4	96,1	95,2	104,6	95,3	97	0,418	0,389	-0,0033

TM30 DETAILS

Rf 95,2
Fidelity index Rf

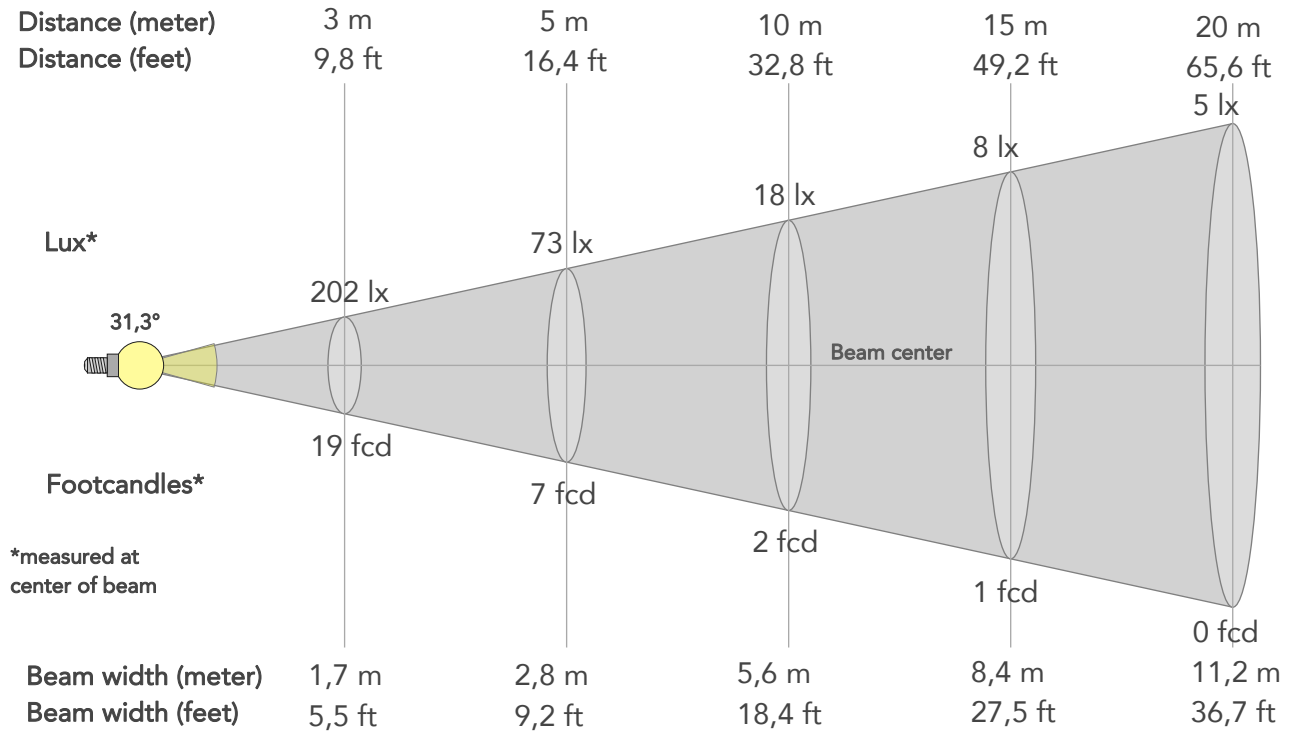
Rg 104,6
Gammut index

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



BEAM DETAILS

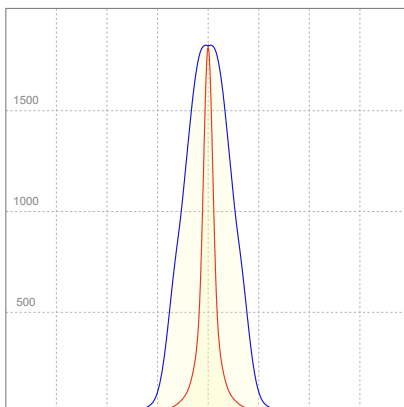
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
31,3°	56,2°	77,9°	97,9%	93,8%



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	1815lx	454lx	202lx	113lx	73lx	32lx	18lx	8lx	5lx	3lx	2lx	1lx	1lx
Footcand.	169fcd	42fcd	19fcd	11fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,1m	1,7m	2,2m	2,8m	4,2m	5,6m	8,4m	11,2m	14m	16,8m	22,4m	28m
Beam wid.	1,8ft	3,7ft	5,5ft	7,3ft	9,2ft	13,8ft	18,4ft	27,5ft	36,7ft	45,9ft	55,1ft	73,4ft	91,8ft

LINEAR DISTRIBUTION DIAGRAM

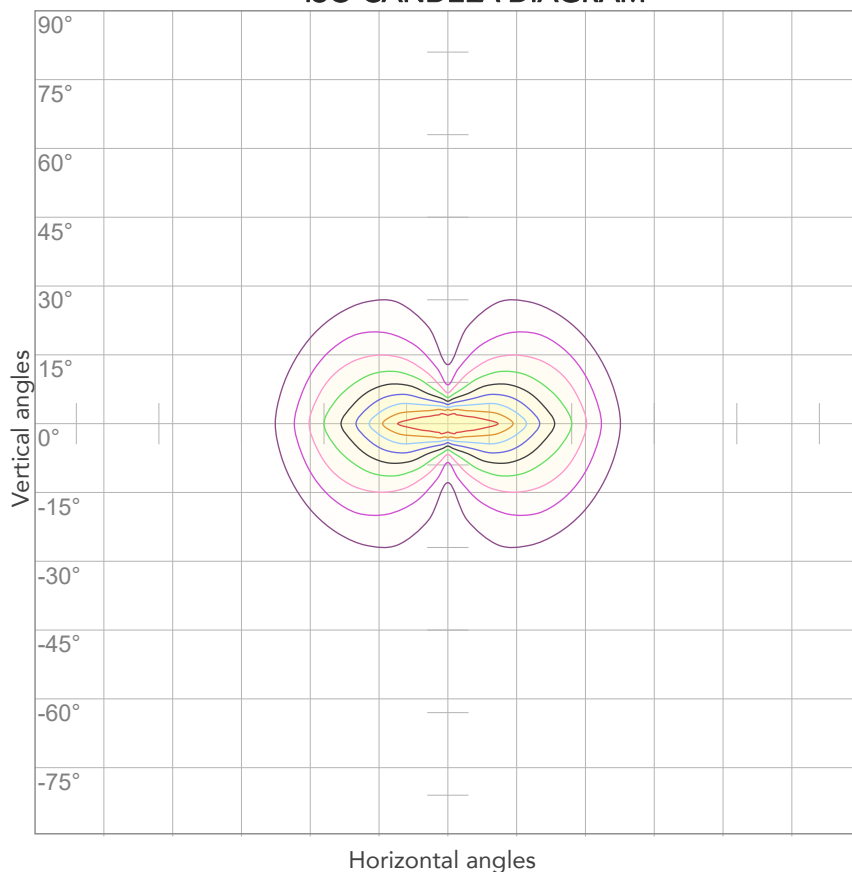


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,124A	25,1W	0,9	33lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



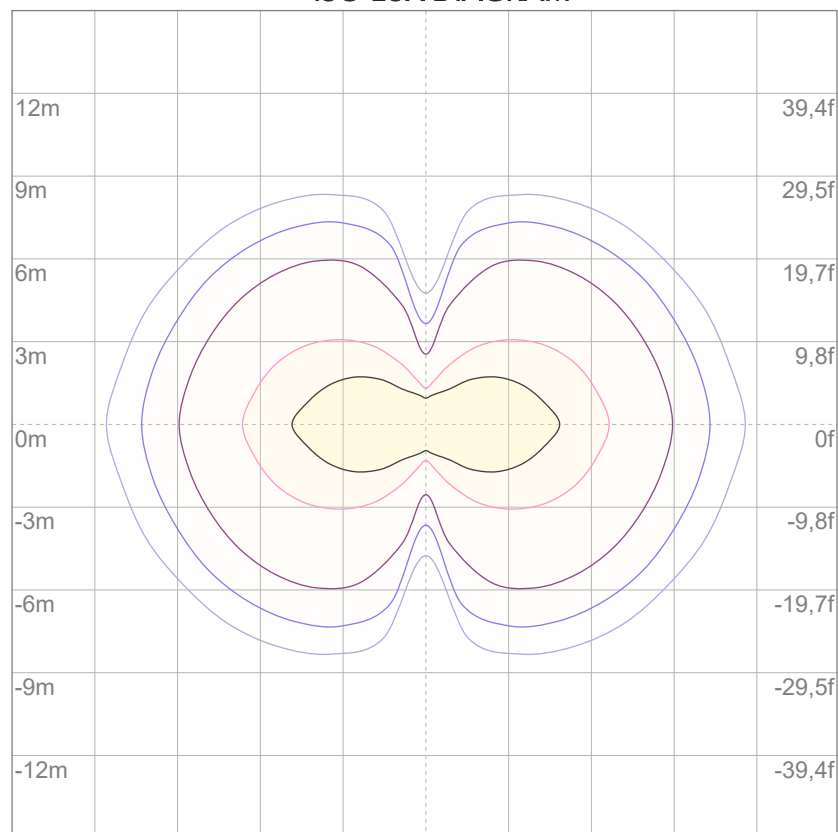
10%	181 cd
20%	363 cd
30%	544 cd
40%	726 cd
50%	907 cd
60%	1089 cd
70%	1270 cd
80%	1452 cd

Conditions:

Number of c-planes: 4

Candela at center: 1815 cd

ISO LUX DIAGRAM



3%	0,544 lx
5%	0,907 lx
10%	1,81 lx
30%	5,44 lx
50%	9,07 lx

Conditions:

Number of c-planes: 4

Lux at center: 18,1 lx

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



Total lumen output:

506 lm

Peak candela output:

768 cd

Light quality:

CRI: 96,5

Color temperature:

3202 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 30°x 60° Filter

Target:

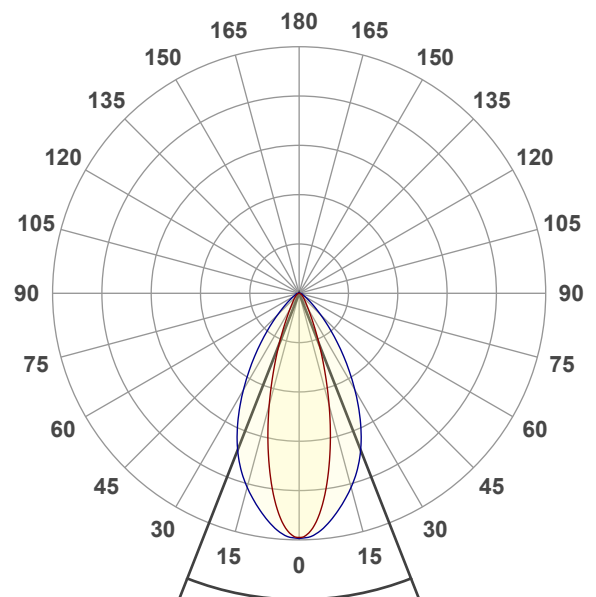
3200K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 18:06:17

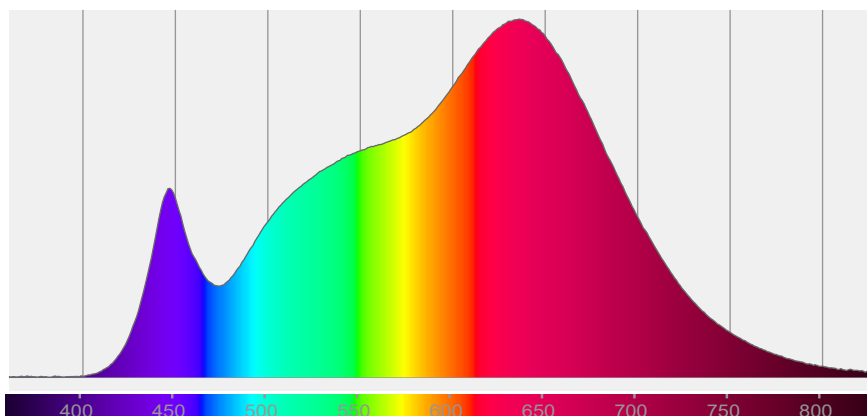


Beam angle 50%: 42,8°

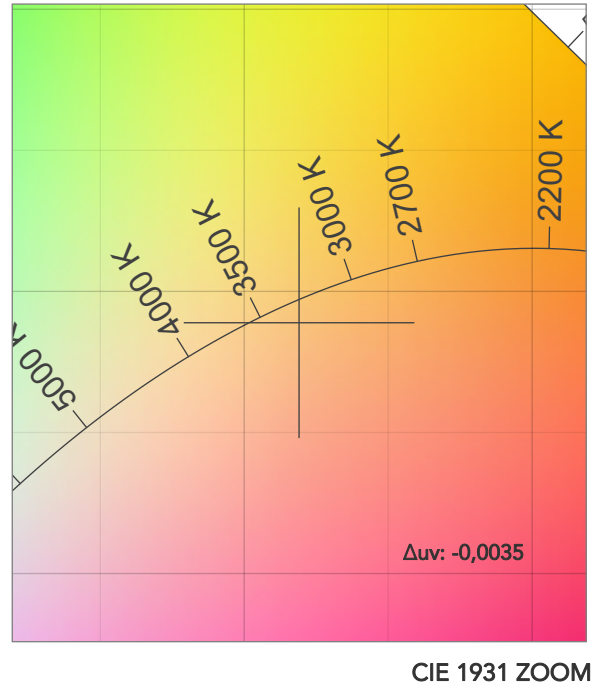
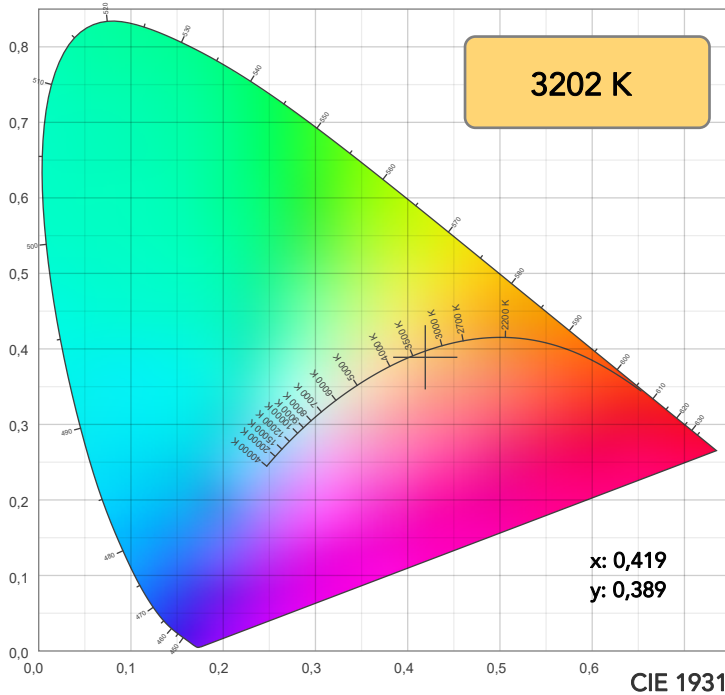
Field angle 10%: 74,7°

Cut off angle 2.5%: 106,2°

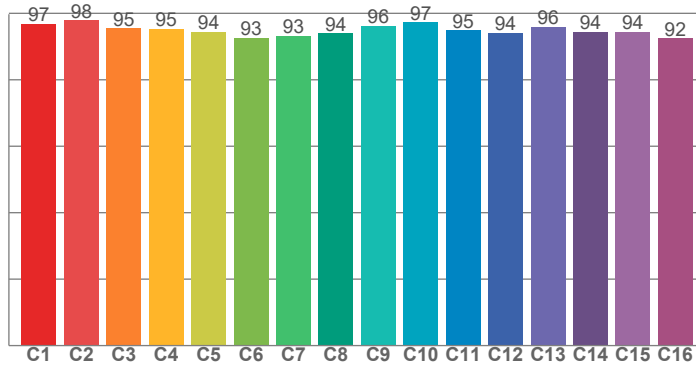
Spectra



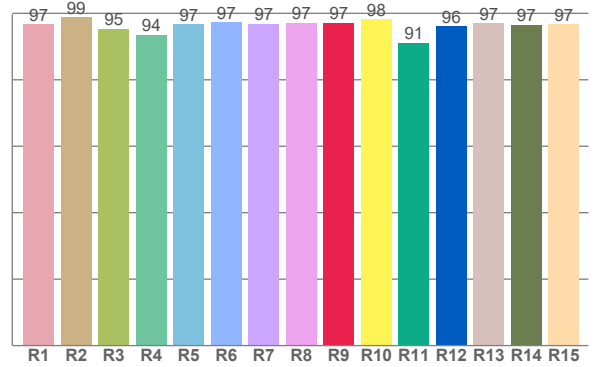
COLOR DETAILS



TM30: 95,2



CRI: 96,5 (R1-R8)



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

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

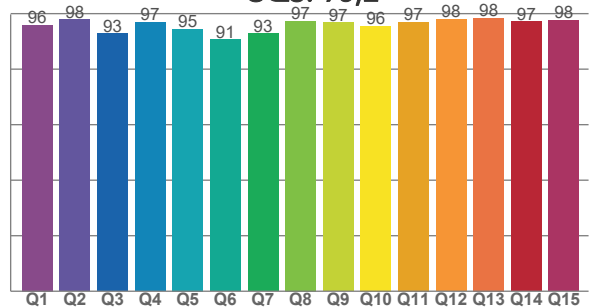
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,9	97,9	92,8	96,9	94,5	90,7	92,8	97,3	96,8	95,6	97,1	98,0	98,5	97,1	97,6

CQS: 95,2



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3202 K	96,5	97,1	95,2	104,5	95,2	97	0,419	0,389	-0,0035

TM30 DETAILS

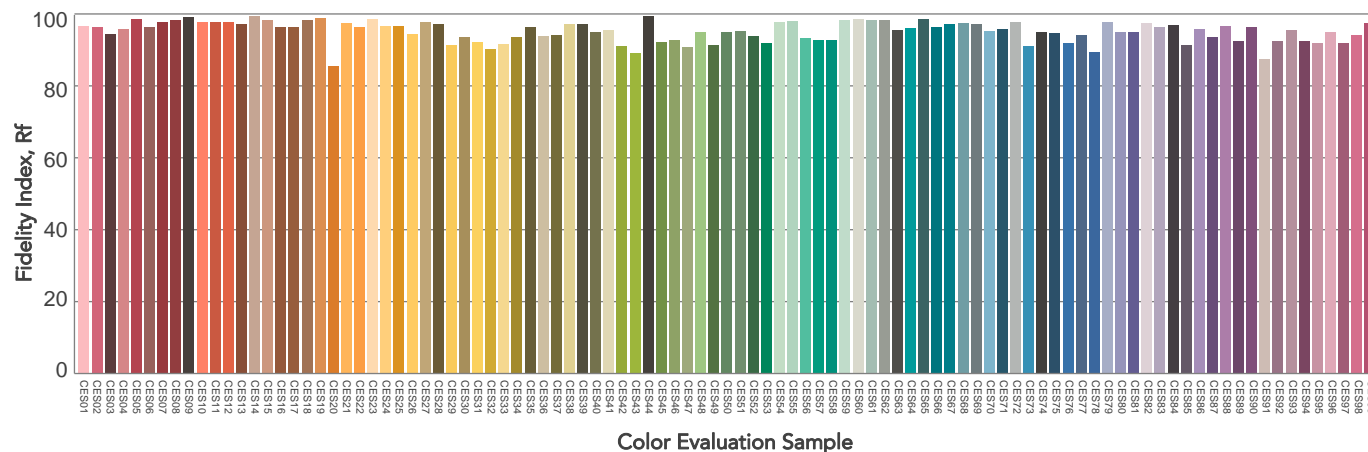
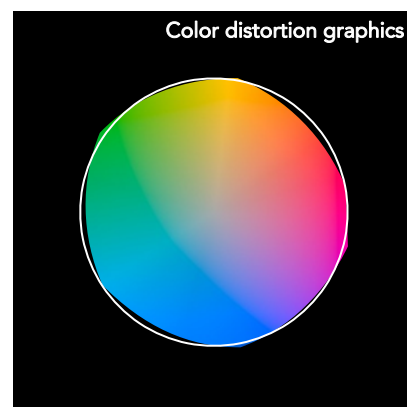
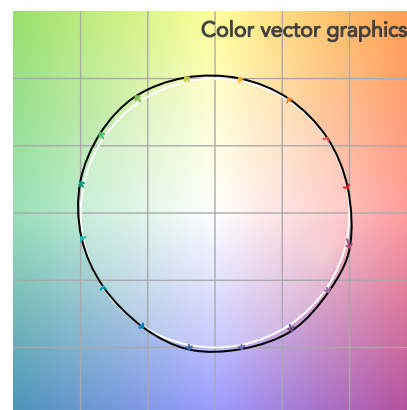
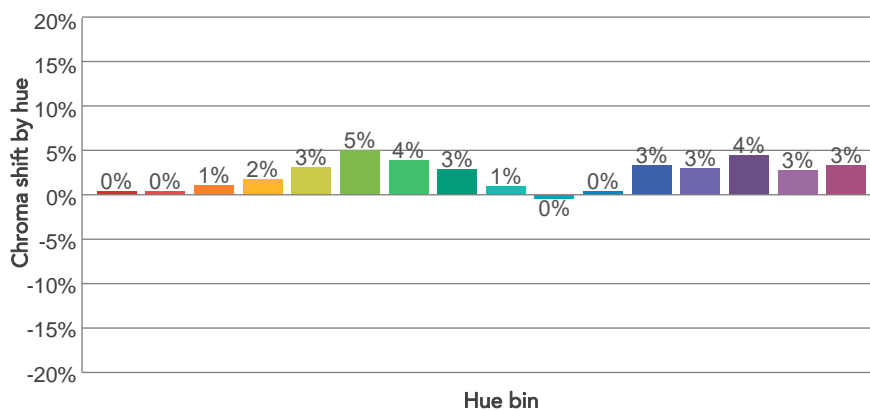
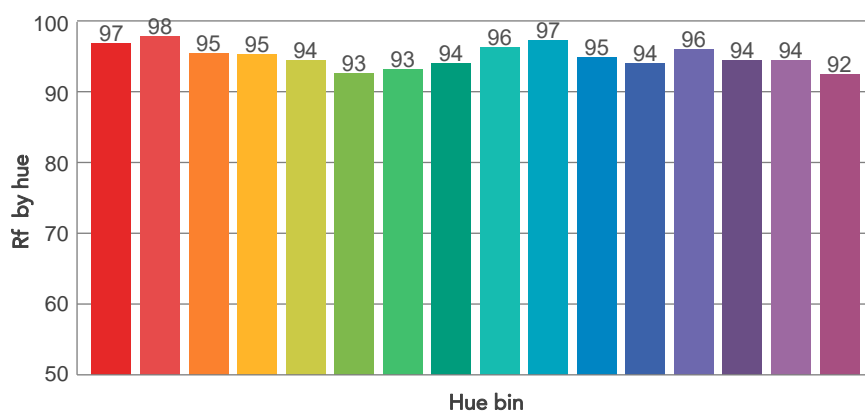
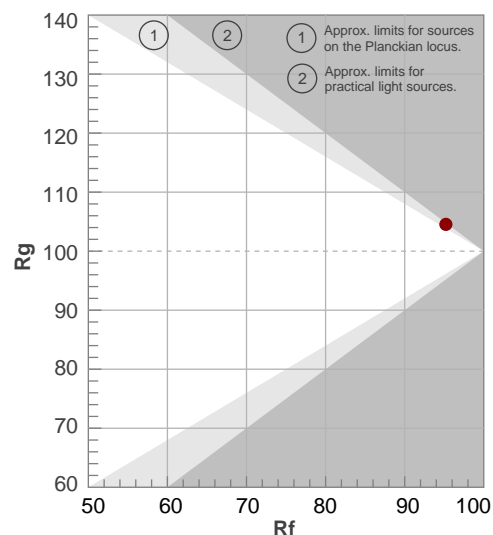
Rf 95,2

Fidelity index R_f

Rg 104,5

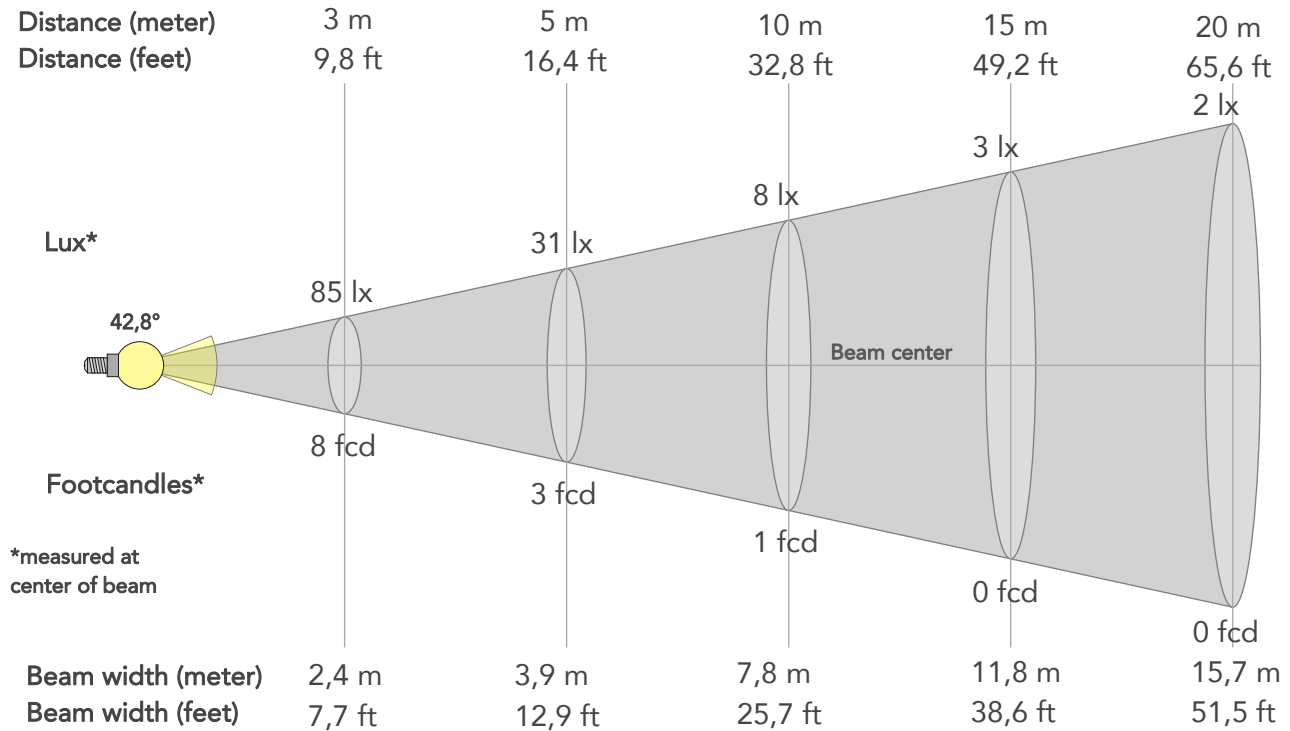
Gammut index

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



BEAM DETAILS

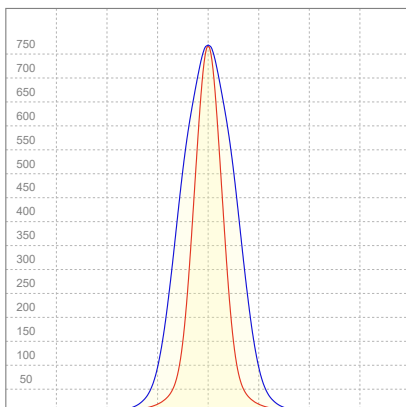
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
42,8°	74,7°	106,2°	96,3%	88,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	767lx	192lx	85lx	48lx	31lx	14lx	8lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	71fcd	18fcd	8fcd	4fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,1m	3,9m	5,9m	7,8m	11,8m	15,7m	19,6m	23,5m	31,4m	39,2m
Beam wid.	2,6ft	5,2ft	7,7ft	10,3ft	12,9ft	19,3ft	25,7ft	38,6ft	51,5ft	64,3ft	77,2ft	102,9ft	128,7ft

LINEAR DISTRIBUTION DIAGRAM

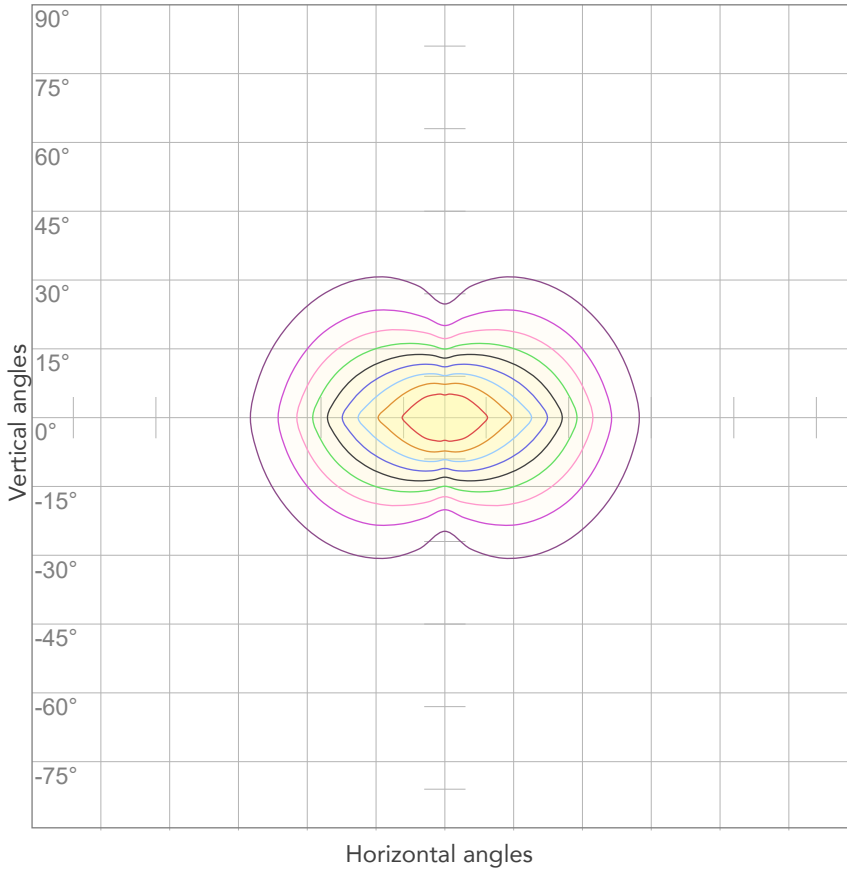


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,123A	24,4W	0,88	21lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



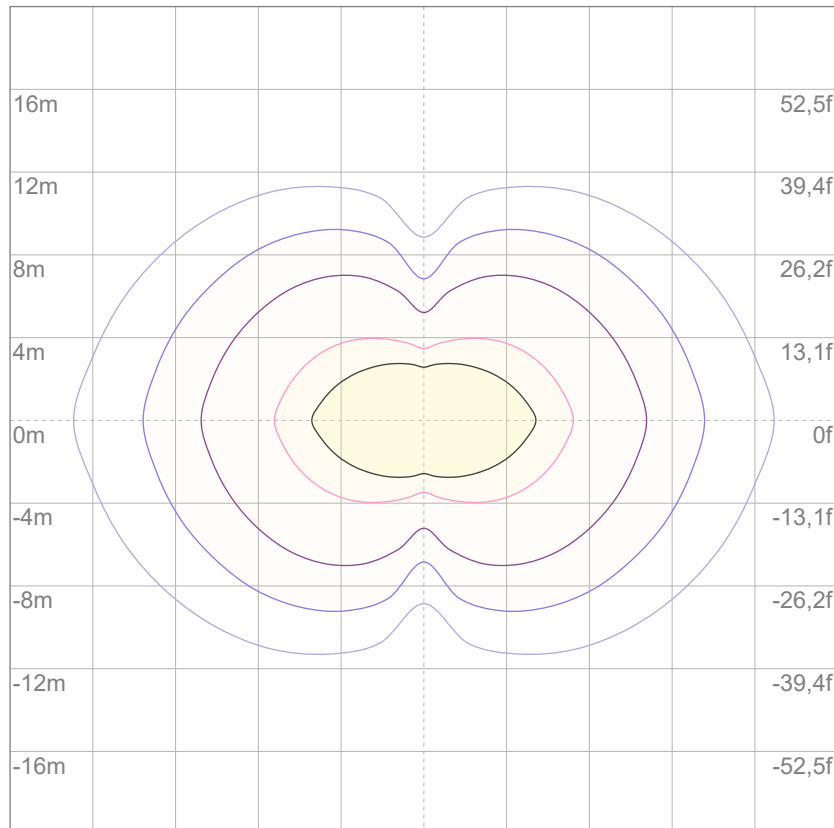
10%	77 cd
20%	153 cd
30%	230 cd
40%	307 cd
50%	383 cd
60%	460 cd
70%	537 cd
80%	613 cd

Conditions:

Number of c-planes: 4

Candela at center: 767 cd

ISO LUX DIAGRAM



3%	0,230 lx
5%	0,383 lx
10%	0,767 lx
30%	2,30 lx
50%	3,83 lx

Conditions:

Number of c-planes: 4

Lux at center: 7,67 lx

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



Total lumen output:

634 lm

Peak candela output:

50546 cd

Light quality:

CRI: 95,7

Color temperature:

4057 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°

Target:

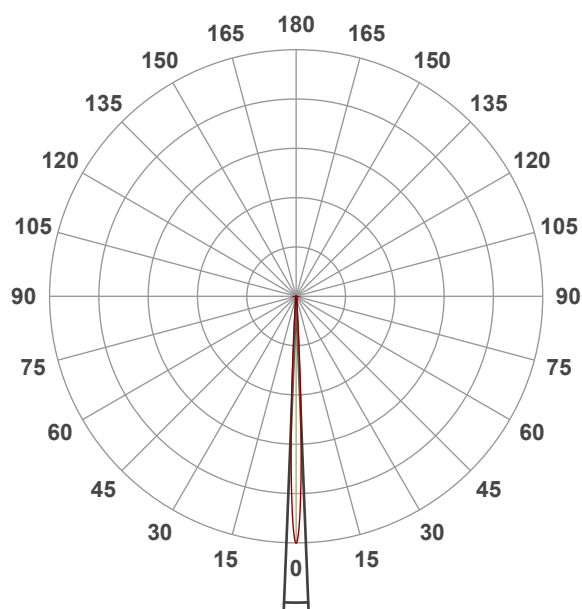
4000K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 16:03:23

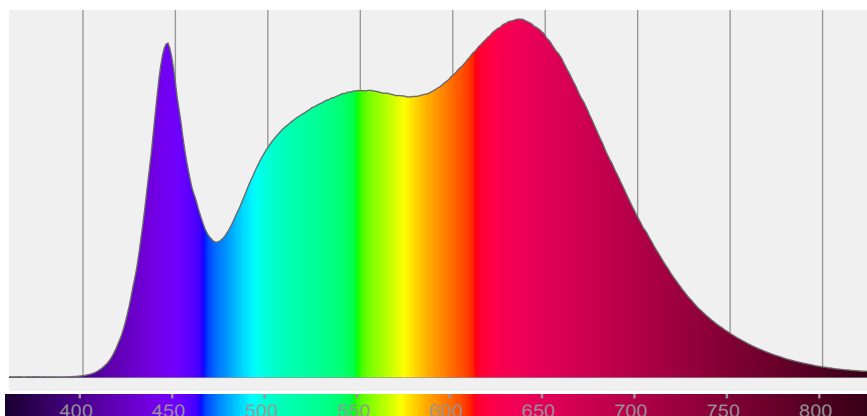


Beam angle 50%: 4,5°

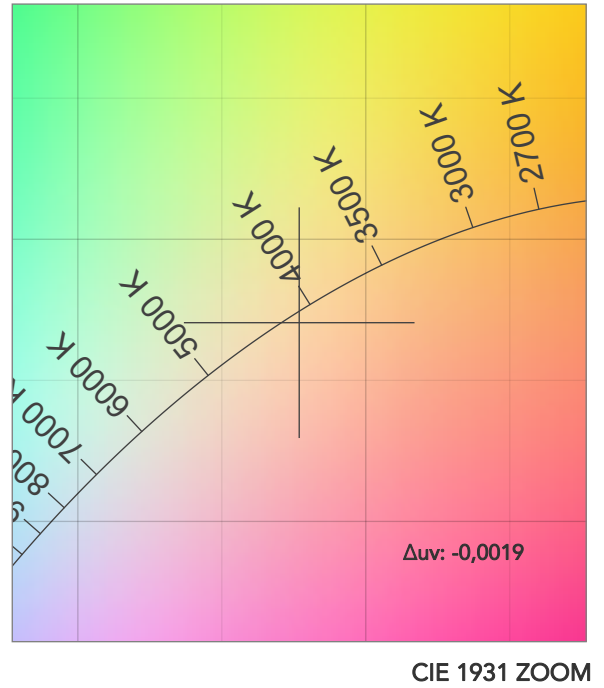
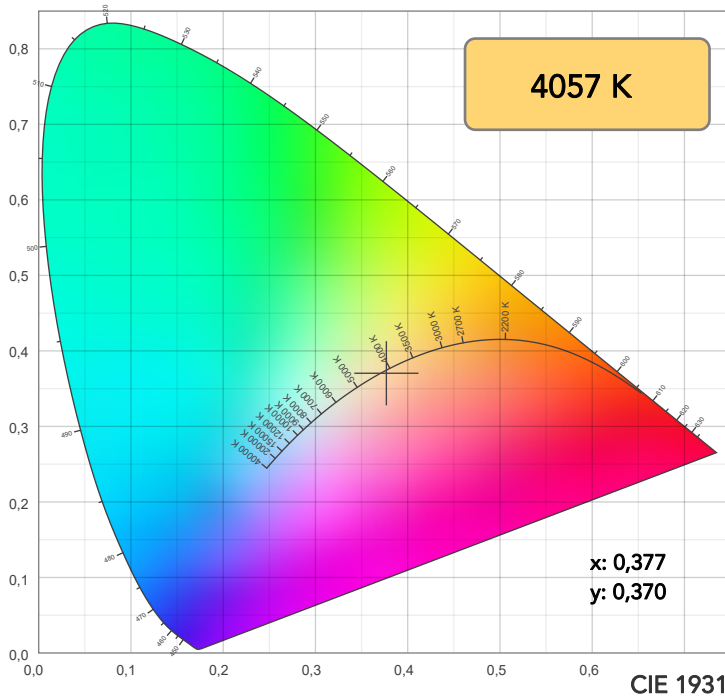
Field angle 10%: 8,1°

Cut off angle 2.5%: 12,5°

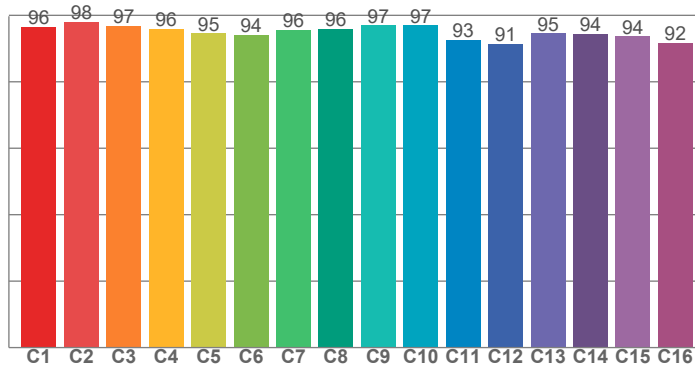
Spectra



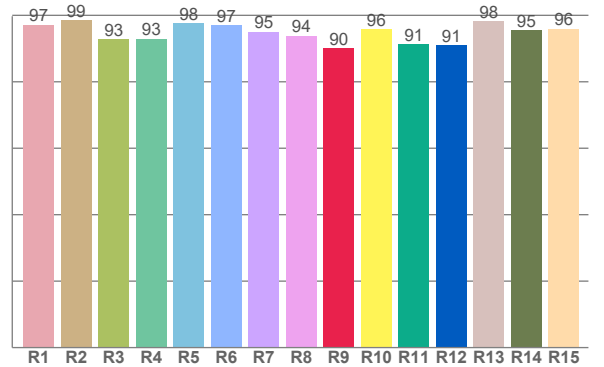
COLOR DETAILS



TM30: 95,1



CRI: 95,7 (R1-R8)



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

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

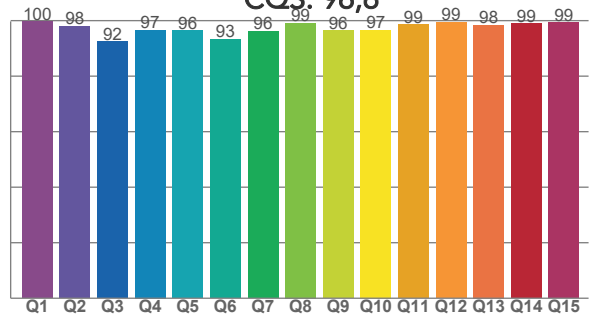
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 96,6



COLOR PARAMETERS

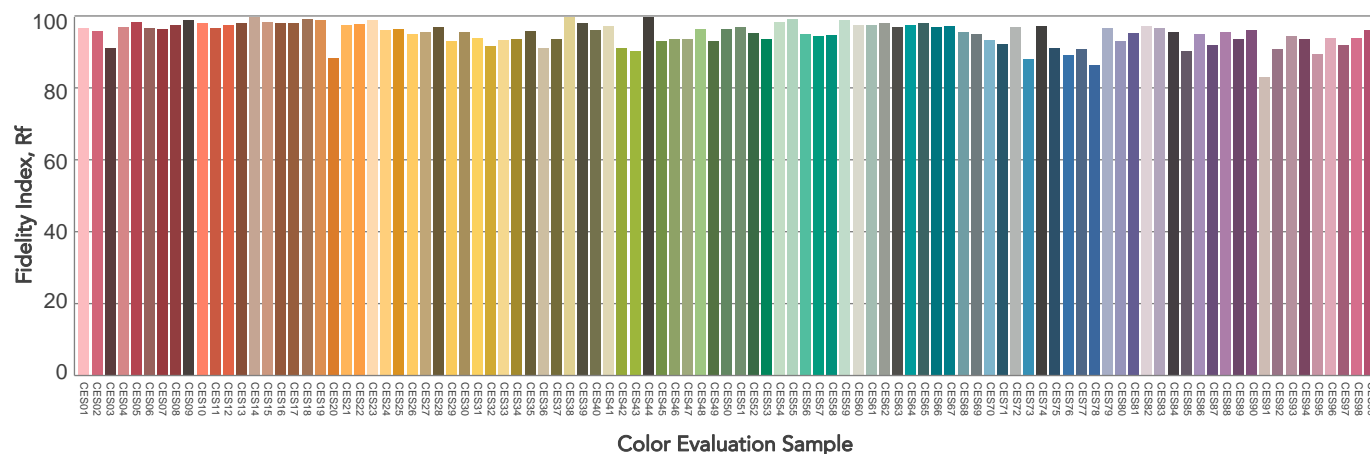
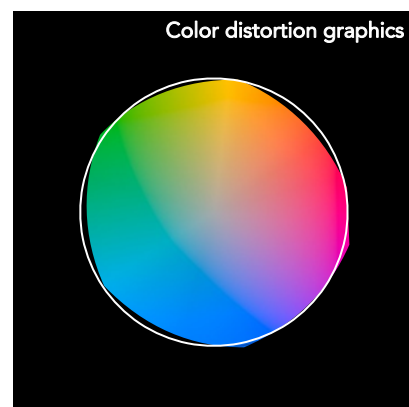
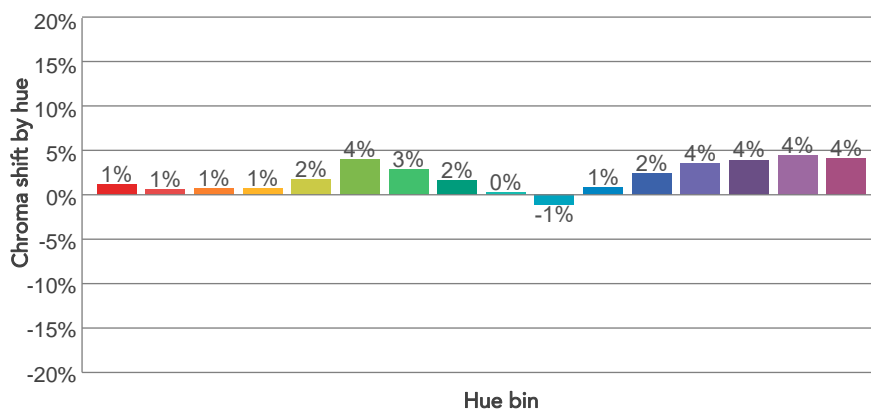
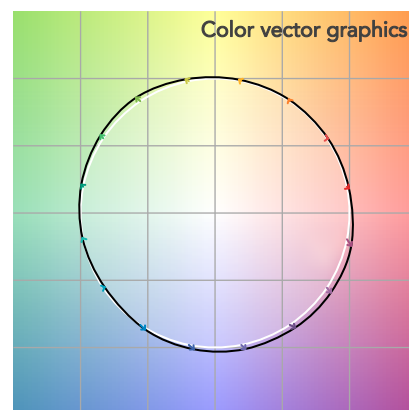
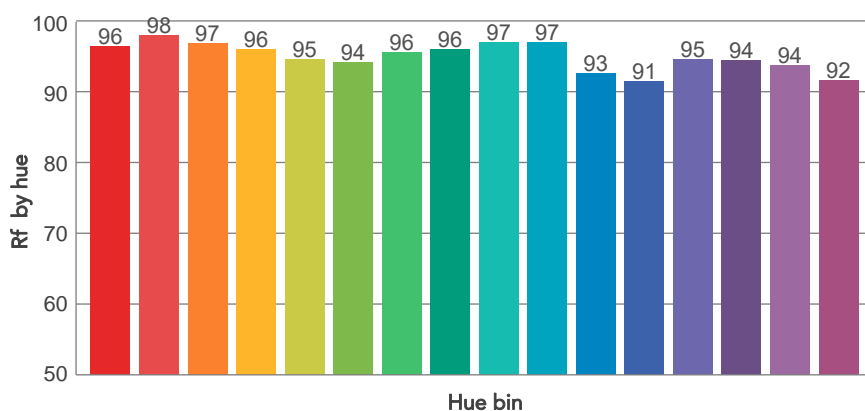
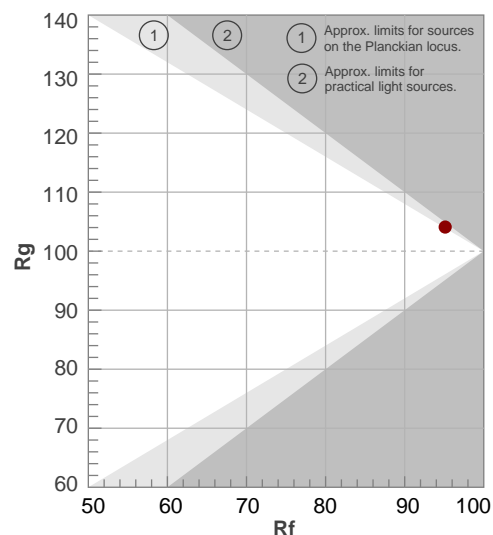
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4057 K	95,7	90,0	95,1	104,1	96,6	98	0,377	0,370	-0,0019

TM30 DETAILS

Rf 95,1
Fidelity index Rf

Rg 104,1
Gammut index

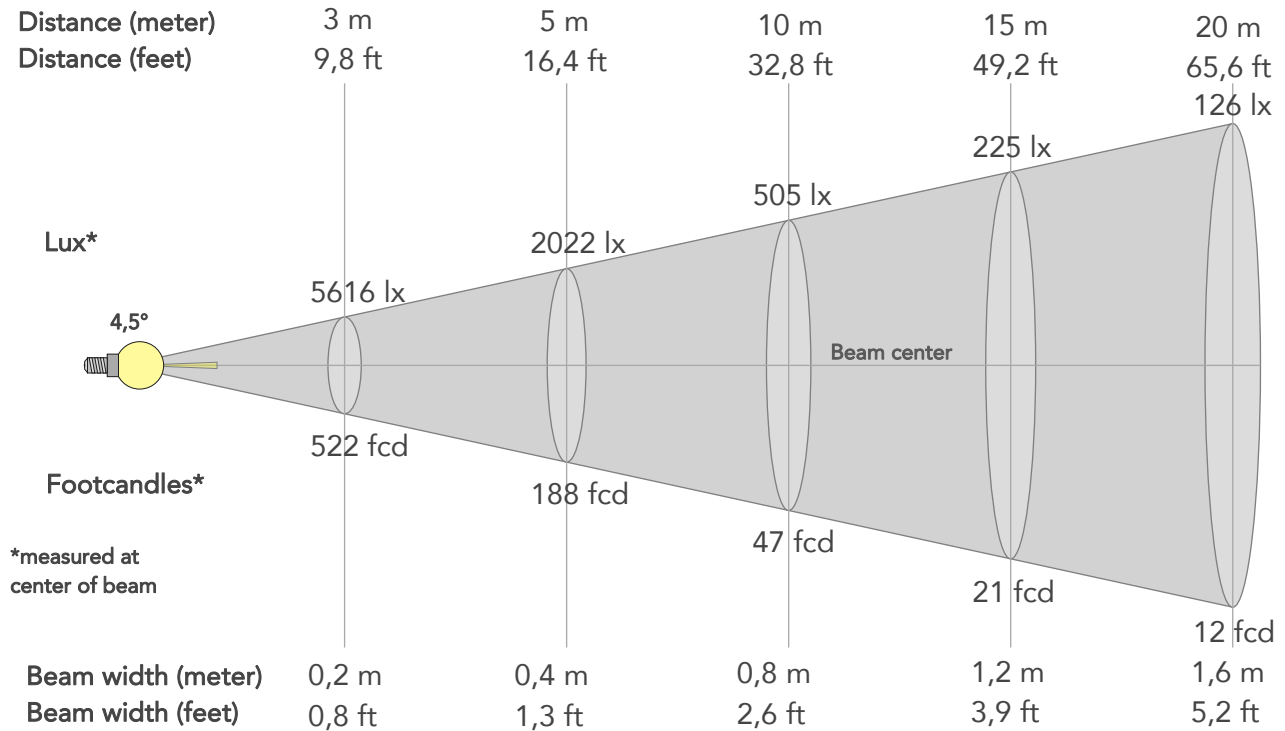
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-1%
2	98	1%	-1%
3	97	1%	1%
4	96	1%	2%
5	95	2%	2%
6	94	4%	1%
7	96	3%	-1%
8	96	2%	-1%
9	97	0%	-1%
10	97	-1%	0%
11	93	1%	5%
12	91	2%	4%
13	95	4%	2%
14	94	4%	2%
15	94	4%	-1%
16	92	4%	-4%



BEAM DETAILS



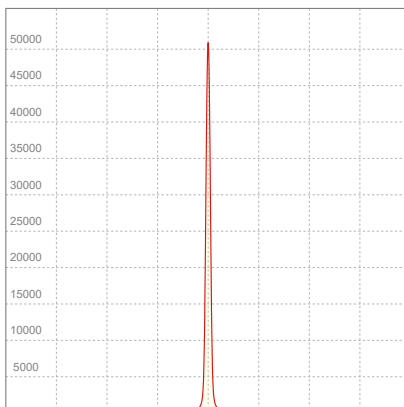
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,5°	8,1°	12,5°	95,2%	91,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	50546lx	12637lx	5616lx	3159lx	2022lx	899lx	505lx	225lx	126lx	81lx	56lx	32lx	20lx
Footcand.	4696fcd	1174fcd	522fcd	293fcd	188fcd	83fcd	47fcd	21fcd	12fcd	8fcd	5fcd	3fcd	2fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,2m	1,6m	2m	2,4m	3,2m	3,9m
Beam wid.	0,3ft	0,5ft	0,8ft	1ft	1,3ft	1,9ft	2,6ft	3,9ft	5,2ft	6,5ft	7,8ft	10,4ft	12,9ft

LINEAR DISTRIBUTION DIAGRAM

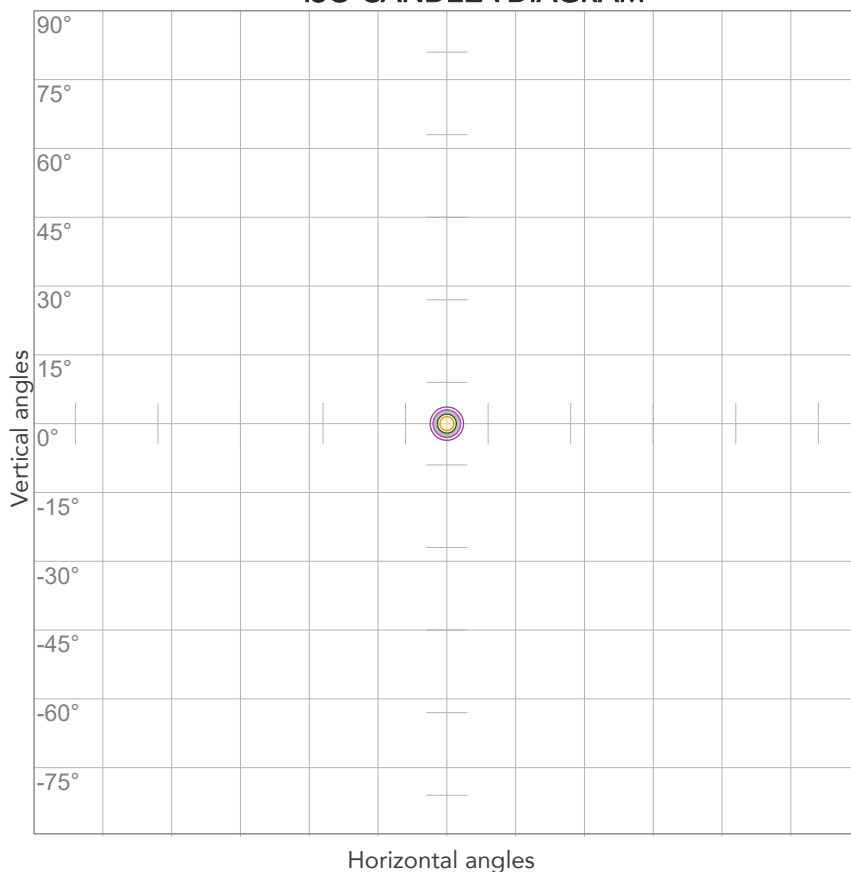


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,126A	25,8W	0,91	25lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



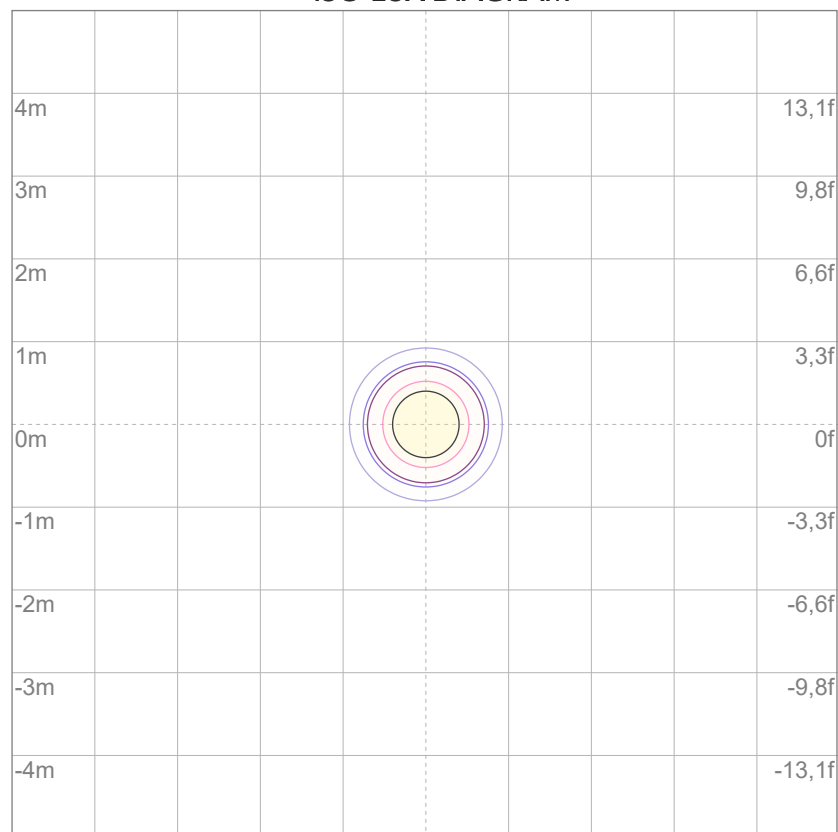
10%	5055 cd
20%	10109 cd
30%	15164 cd
40%	20219 cd
50%	25273 cd
60%	30328 cd
70%	35382 cd
80%	40437 cd

Conditions:

Number of c-planes: 2

Candela at center: 50546 cd

ISO LUX DIAGRAM



3%	15,2 lx
5%	25,3 lx
10%	50,5 lx
30%	152 lx
50%	253 lx

Conditions:

Number of c-planes: 2

Lux at center: 505 lx

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



Total lumen output:

573 lm

Peak candela output:

2631 cd

Light quality:

CRI: 95,5

Color temperature:

4013 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 20° Filter

Target:

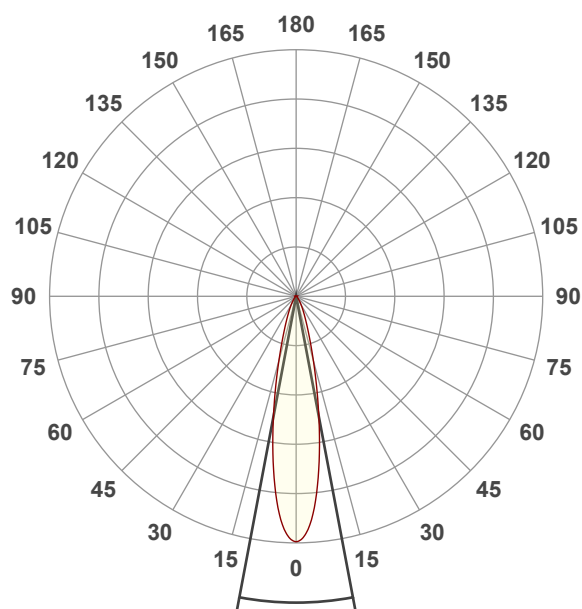
4000K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 16:39:35

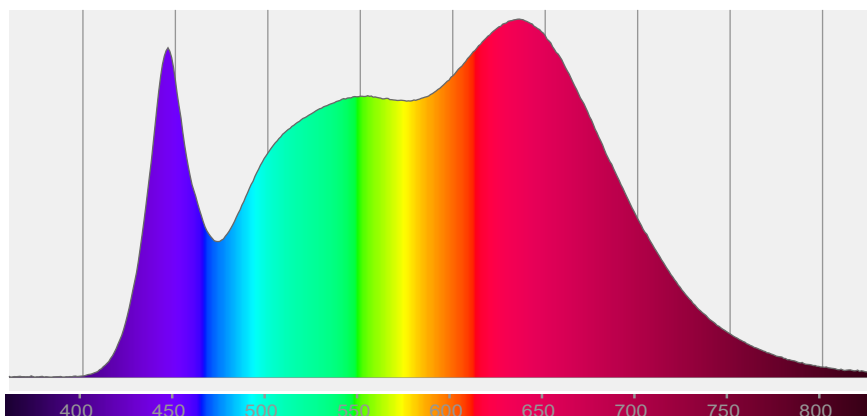


Beam angle 50%: 21,4°

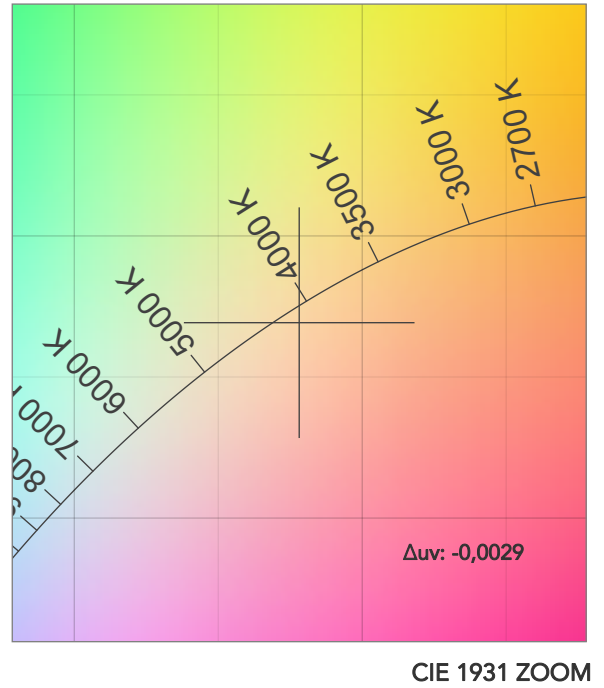
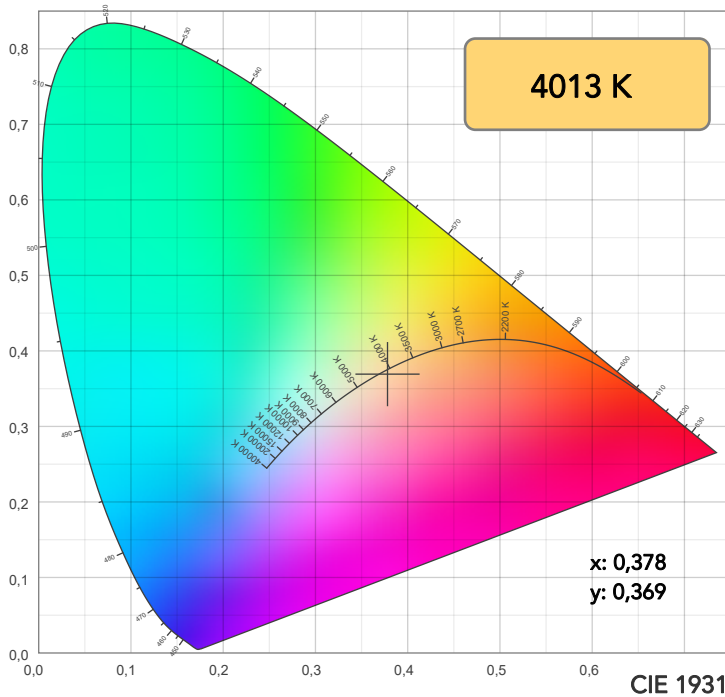
Field angle 10%: 44,4°

Cut off angle 2.5%: 69,1°

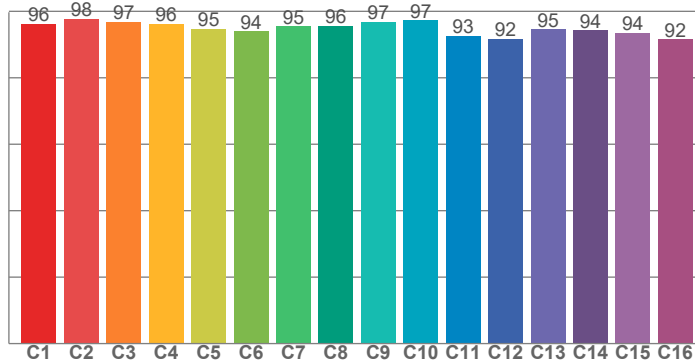
Spectra



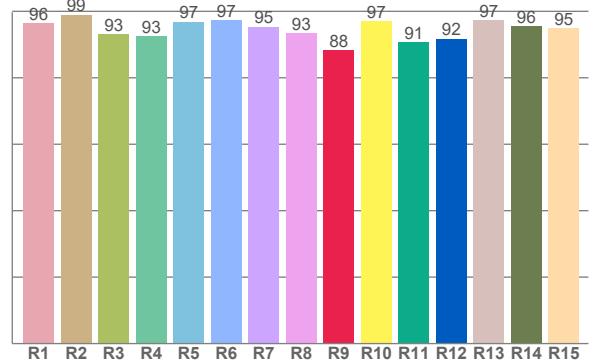
COLOR DETAILS



TM30: 95,1



CRI: 95,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,3	98,9	93,2	92,6	96,9	97,4	95,3	93,5	88,3	97,0	90,7	91,7	97,4	95,6	95,0

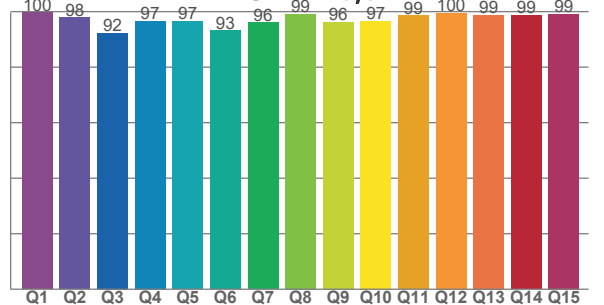
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 96,5



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4013 K	95,5	88,3	95,1	104,3	96,5	98	0,378	0,369	-0,0029

TM30 DETAILS

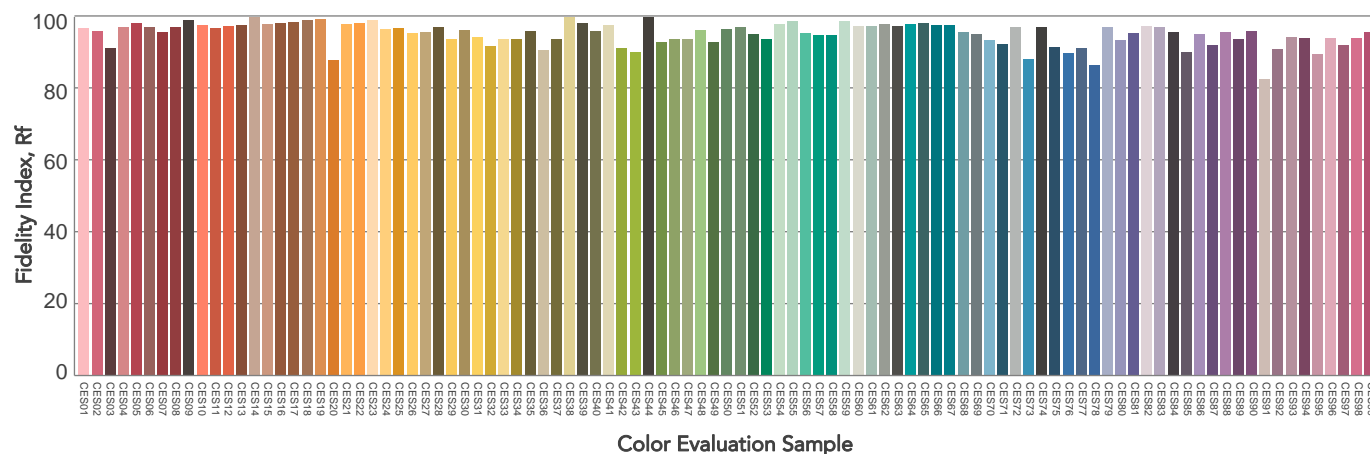
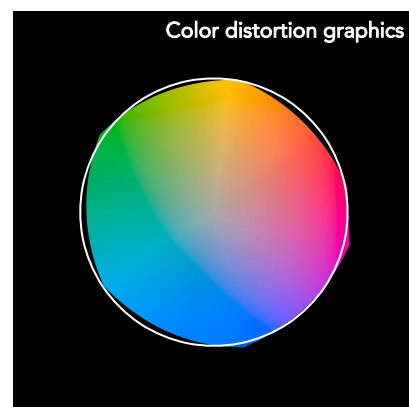
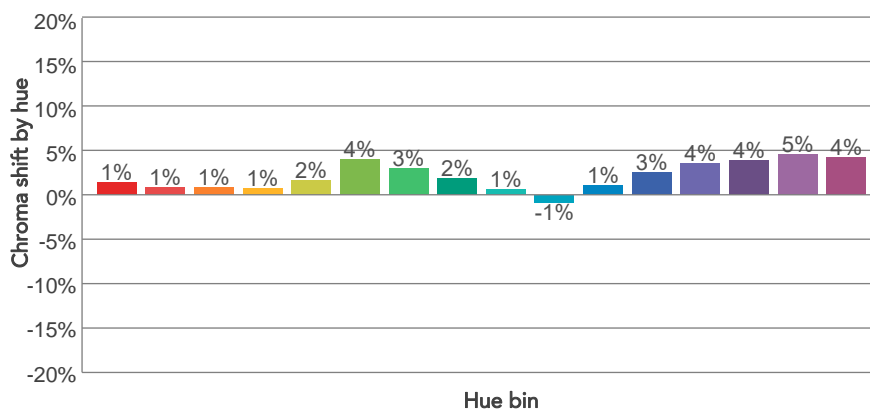
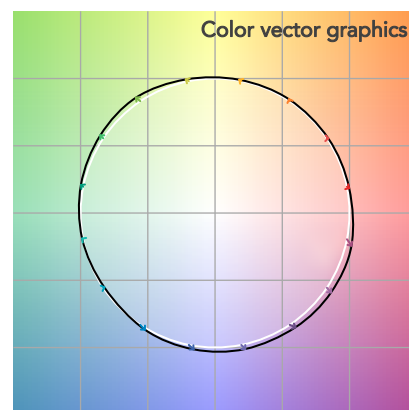
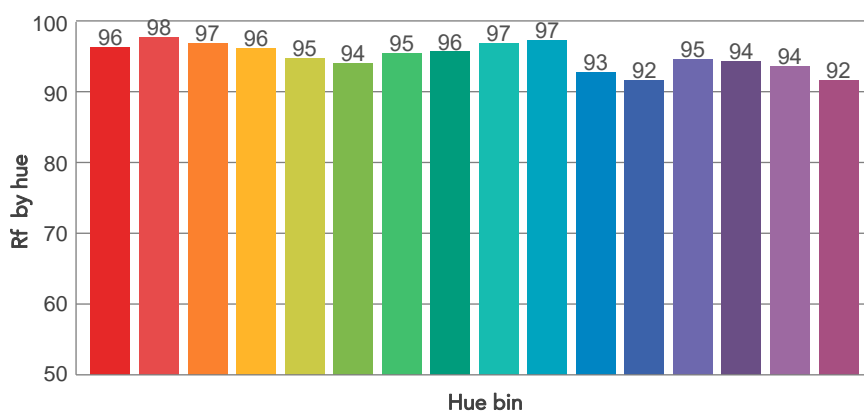
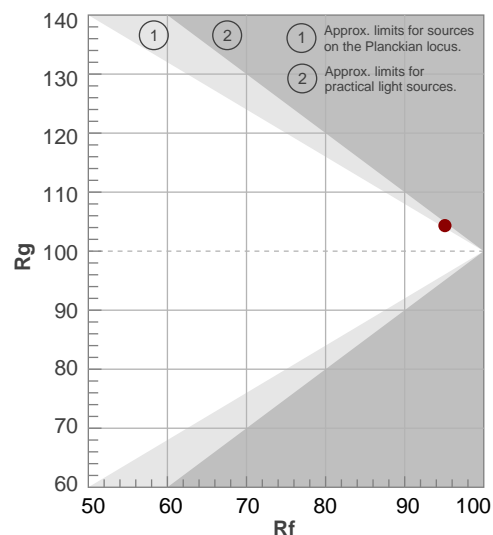
Rf 95,1

Fidelity index Rf

Rg 104,3

Gammut index

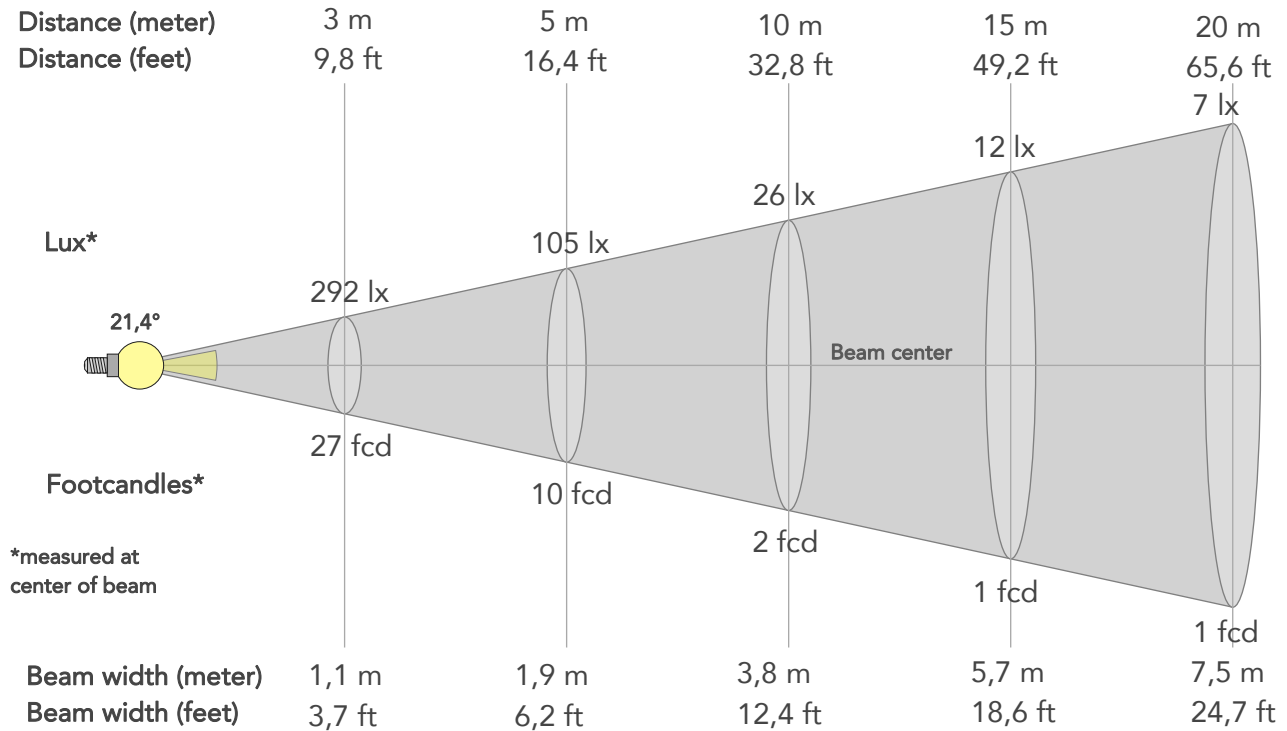
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-1%
2	98	1%	-1%
3	97	1%	1%
4	96	1%	2%
5	95	2%	2%
6	94	4%	1%
7	95	3%	-1%
8	96	2%	-1%
9	97	1%	-1%
10	97	-1%	0%
11	93	1%	5%
12	92	3%	4%
13	95	4%	2%
14	94	4%	3%
15	94	5%	-1%
16	92	4%	-4%



BEAM DETAILS



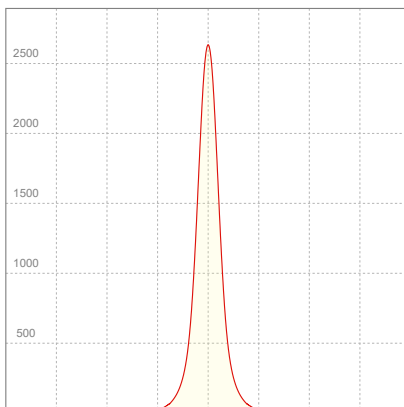
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,4°	44,4°	69,1°	97,0%	93,4%



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	2631lx	658lx	292lx	164lx	105lx	47lx	26lx	12lx	7lx	4lx	3lx	2lx	1lx
Footcand.	244fcd	61fcd	27fcd	15fcd	10fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,1m	1,5m	1,9m	2,8m	3,8m	5,7m	7,5m	9,4m	11,3m	15,1m	18,9m
Beam wid.	1,2ft	2,5ft	3,7ft	4,9ft	6,2ft	9,3ft	12,4ft	18,6ft	24,7ft	30,9ft	37,1ft	49,5ft	61,9ft

LINEAR DISTRIBUTION DIAGRAM

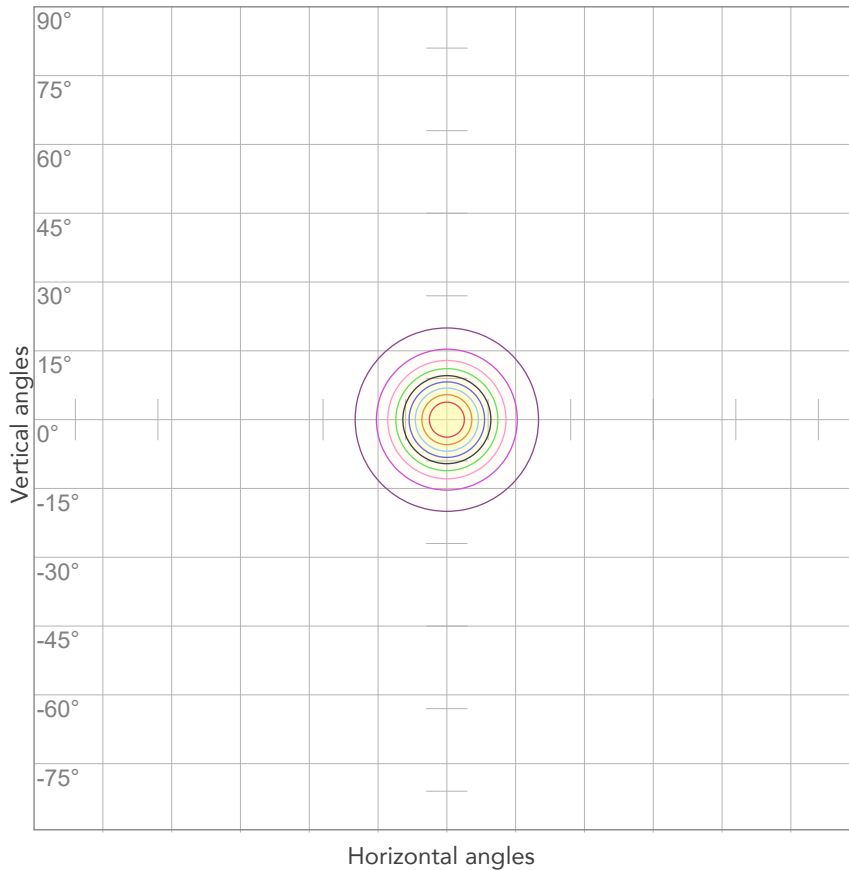


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,125A	25,5W	0,91	22lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



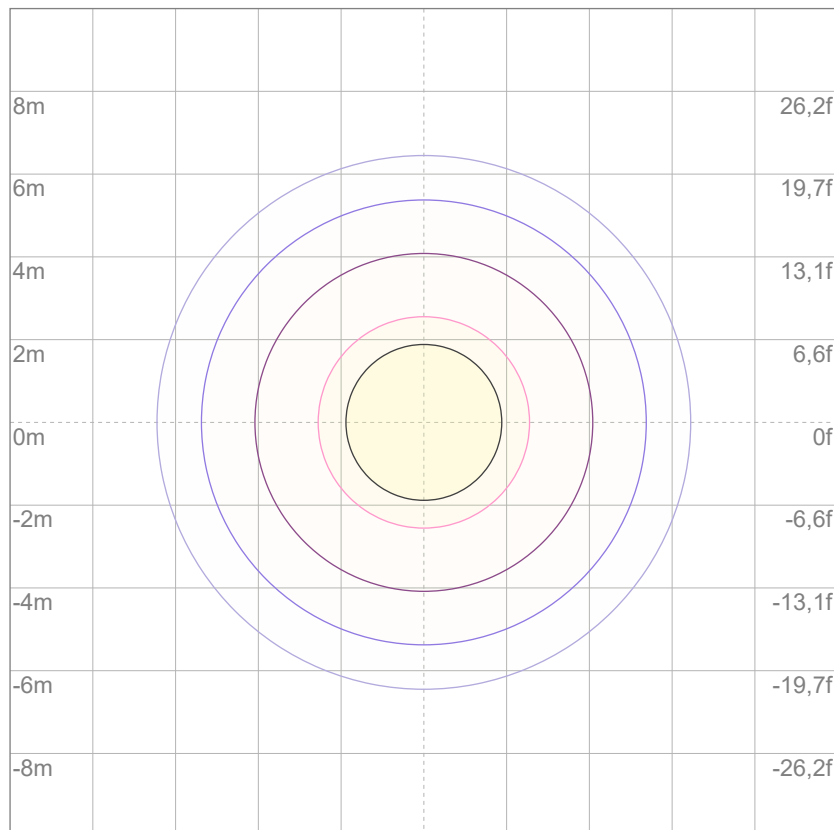
10%	263 cd
20%	526 cd
30%	789 cd
40%	1052 cd
50%	1315 cd
60%	1578 cd
70%	1841 cd
80%	2104 cd

Conditions:

Number of c-planes: 2

Candela at center: 2631 cd

ISO LUX DIAGRAM



3%	0,789 lx
5%	1,32 lx
10%	2,63 lx
30%	7,89 lx
50%	13,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 26,3 lx

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



Total lumen output:

526 lm

Peak candela output:

684 cd

Light quality:

CRI: 95,4

Color temperature:

4035 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 40° Filter

Target:

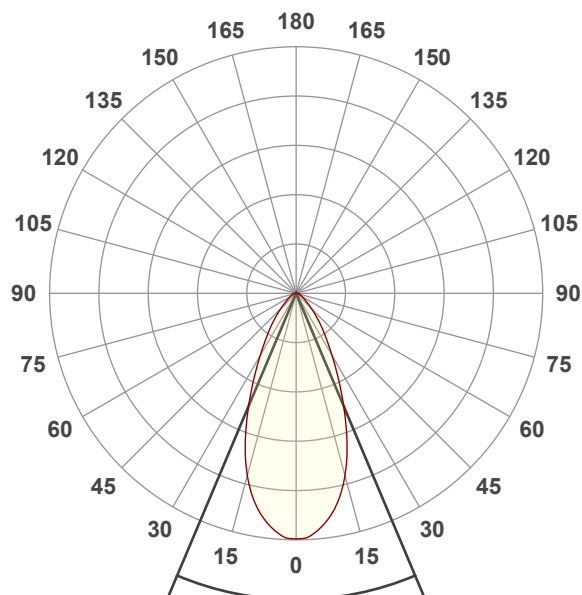
4000K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 16:49:35

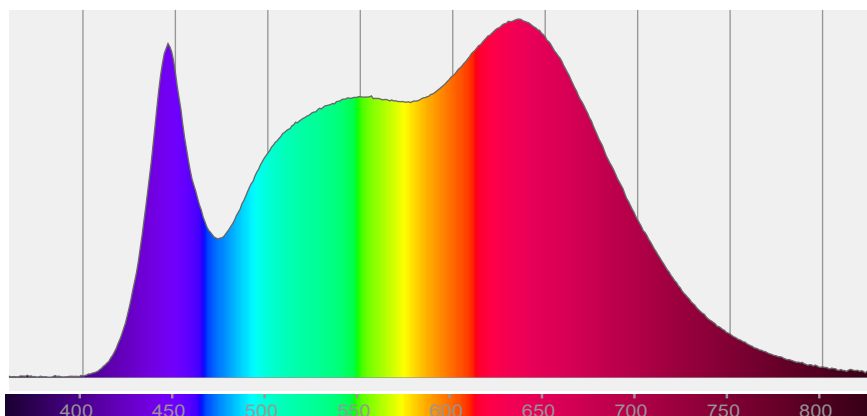


Beam angle 50%: 45,7°

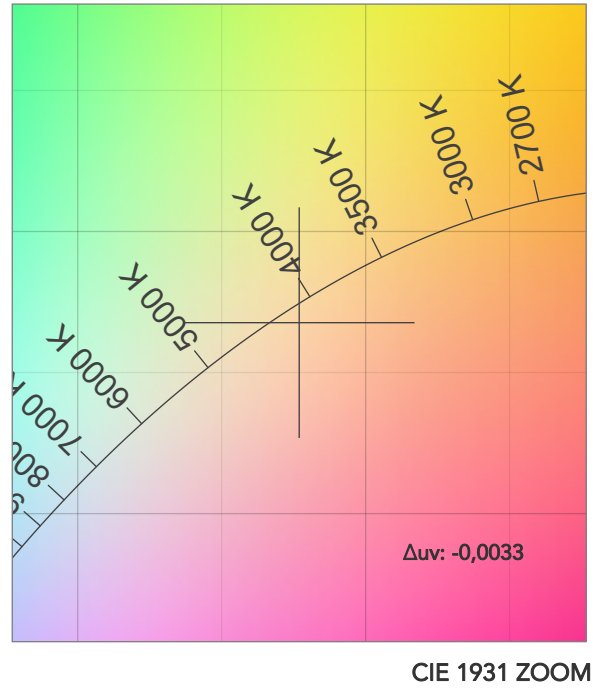
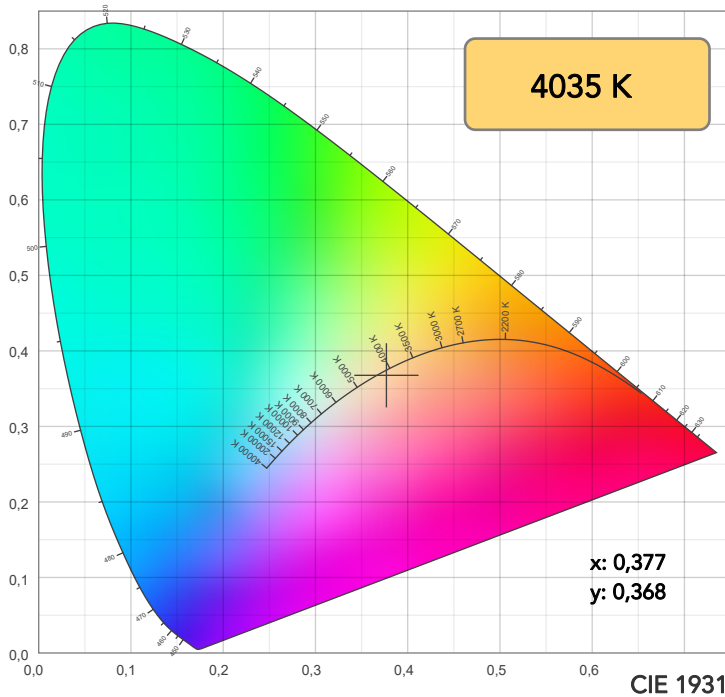
Field angle 10%: 87,4°

Cut off angle 2.5%: 125°

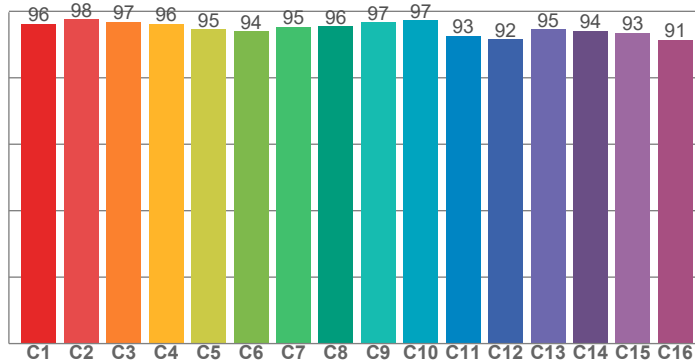
Spectra



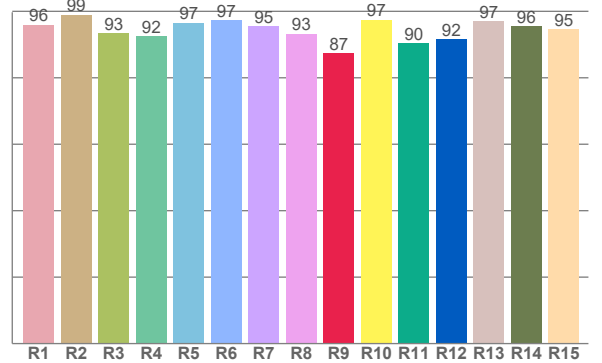
COLOR DETAILS



TM30: 95,0



CRI: 95,4 (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
95,9	98,9	93,3	92,4	96,6	97,4	95,4	93,2	87,4	97,4	90,4	91,7	97,0	95,6	94,5

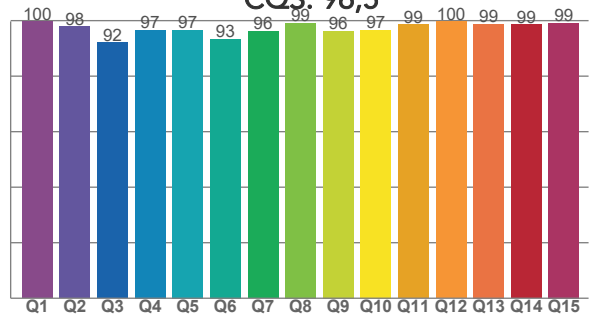
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 96,5



COLOR PARAMETERS

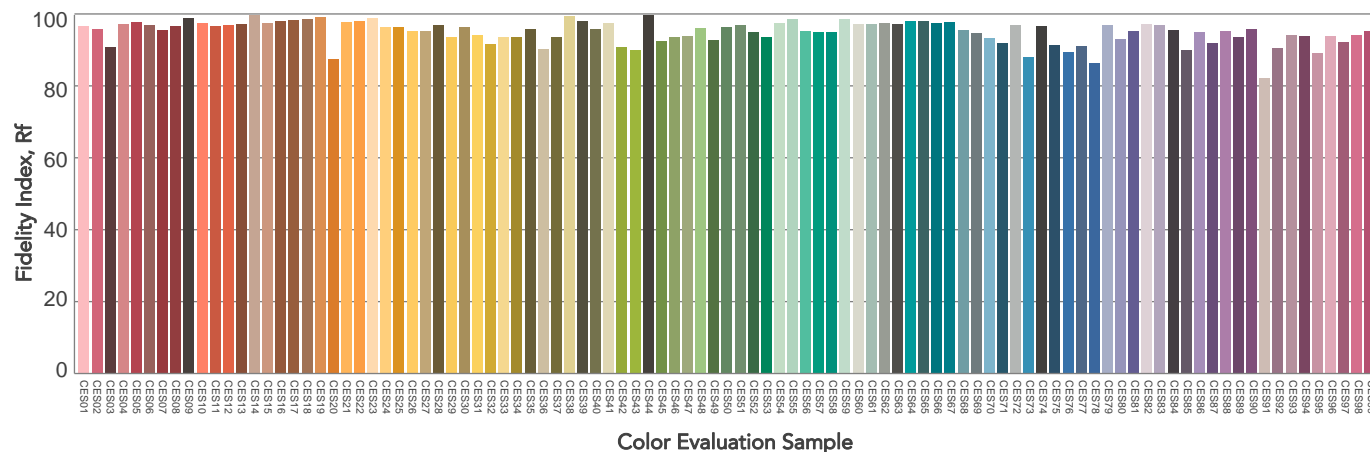
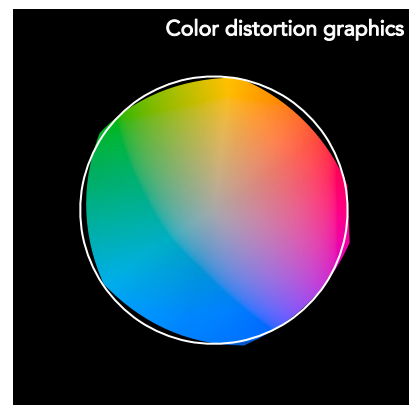
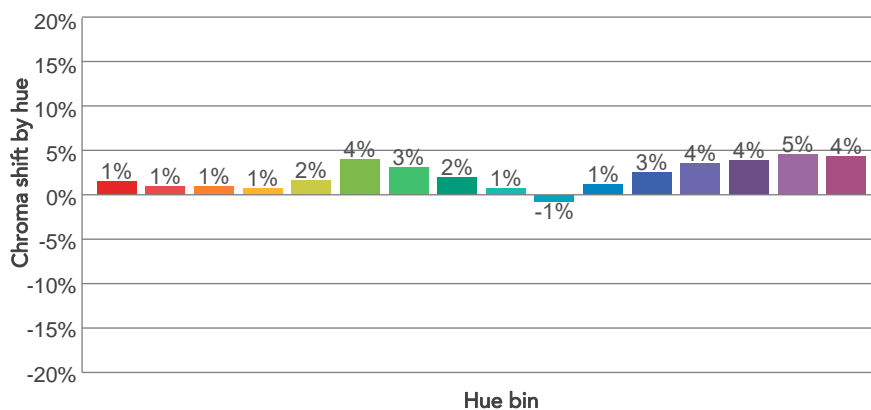
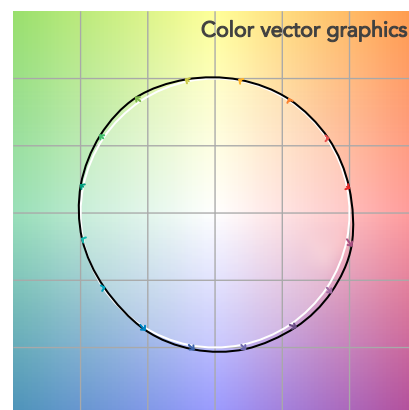
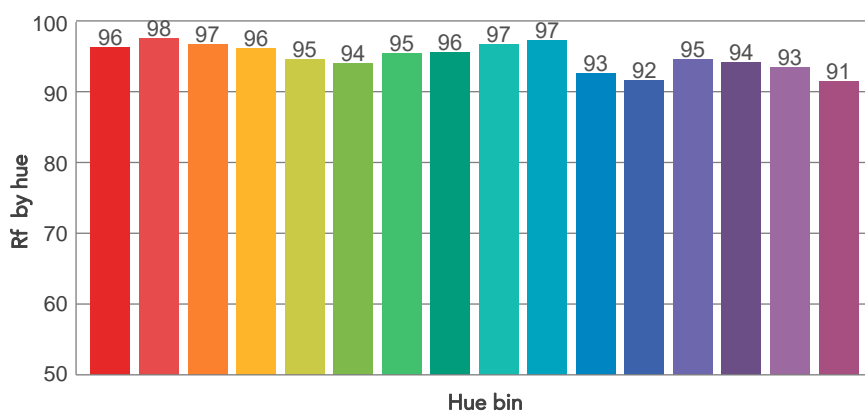
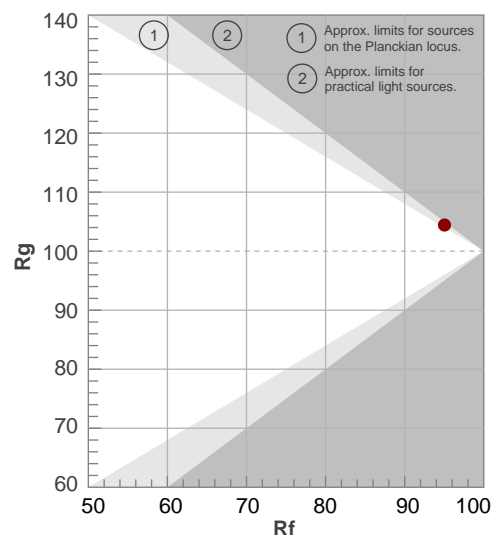
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4035 K	95,4	87,4	95,0	104,4	96,5	98	0,377	0,368	-0,0033

TM30 DETAILS

Rf 95,0
Fidelity index Rf

Rg 104,4
Gammut index

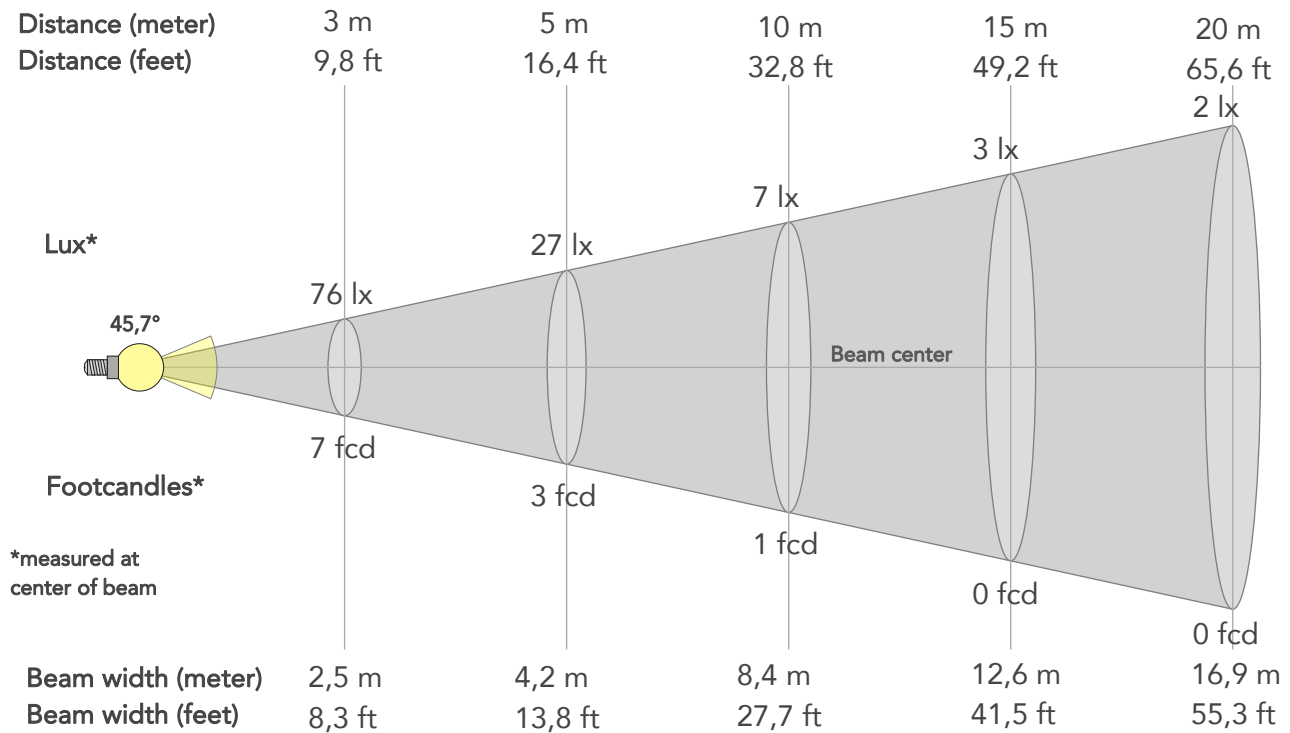
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-1%
2	98	1%	-1%
3	97	1%	1%
4	96	1%	2%
5	95	2%	2%
6	94	4%	1%
7	95	3%	-1%
8	96	2%	-1%
9	97	1%	-1%
10	97	-1%	0%
11	93	1%	5%
12	92	3%	4%
13	95	4%	2%
14	94	4%	3%
15	93	5%	-1%
16	91	4%	-4%



BEAM DETAILS



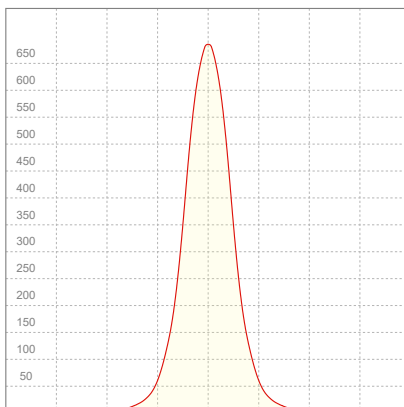
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,7°	87,4°	125°	95,3%	86,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	684lx	171lx	76lx	43lx	27lx	12lx	7lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	64fcd	16fcd	7fcd	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	16,9m	21,1m	25,3m	33,7m	42,2m
Beam wid.	2,8ft	5,6ft	8,3ft	11ft	13,8ft	20,7ft	27,7ft	41,5ft	55,3ft	69,1ft	83ft	110,6ft	138,3ft

LINEAR DISTRIBUTION DIAGRAM

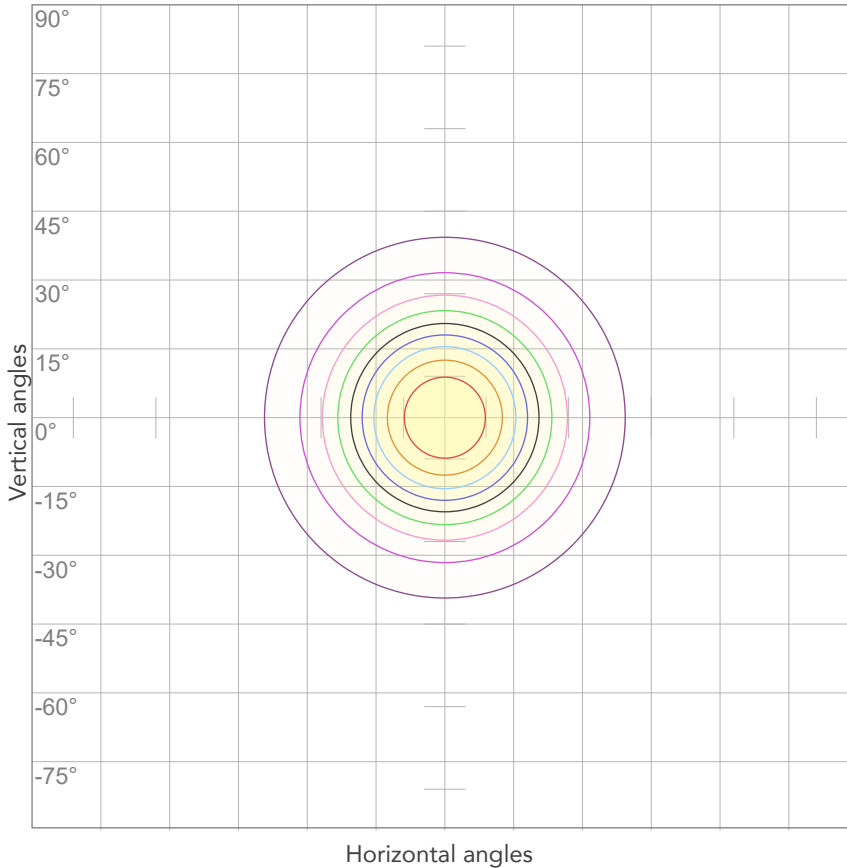


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,124A	25,3W	0,91	21lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



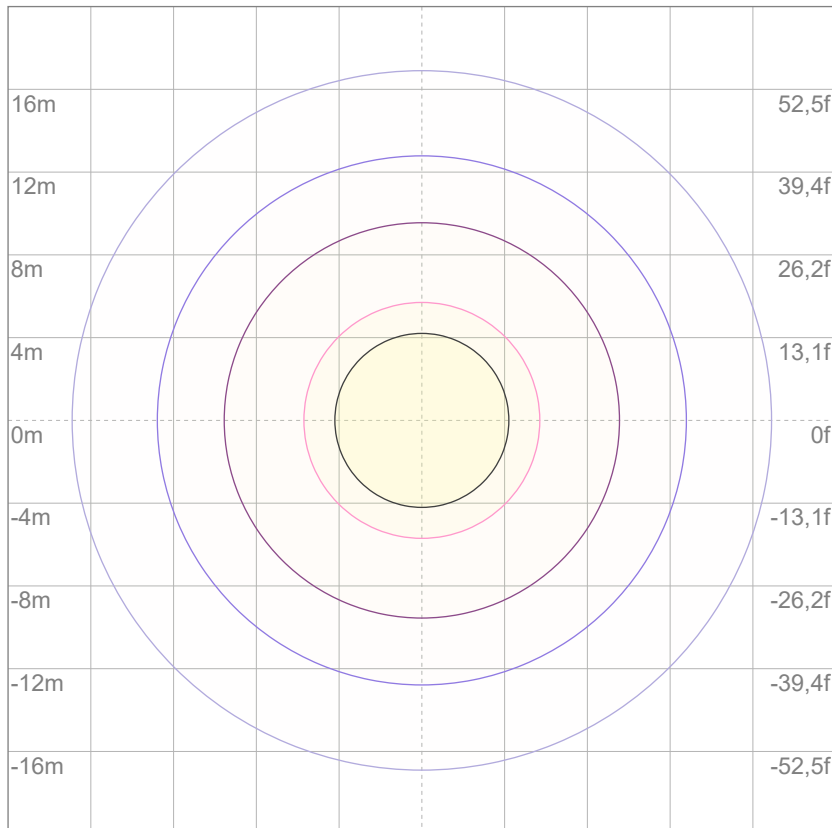
10%	68 cd
20%	137 cd
30%	205 cd
40%	273 cd
50%	342 cd
60%	410 cd
70%	479 cd
80%	547 cd

Conditions:

Number of c-planes: 2

Candela at center: 684 cd

ISO LUX DIAGRAM



3%	0,205 lx
5%	0,342 lx
10%	0,684 lx
30%	2,05 lx
50%	3,42 lx

Conditions:

Number of c-planes: 2

Lux at center: 6,84 lx

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



Total lumen output:

552 lm

Peak candela output:

545 cd

Light quality:

CRI: 95,4

Color temperature:

4032 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 60° Filter

Target:

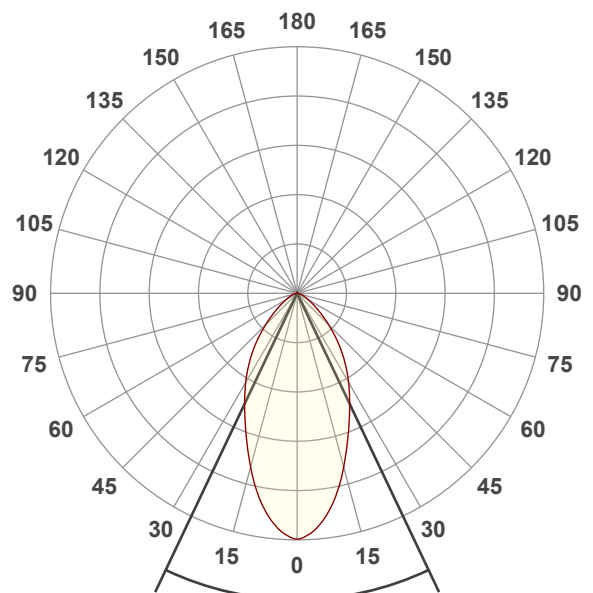
4000K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 17:00:11

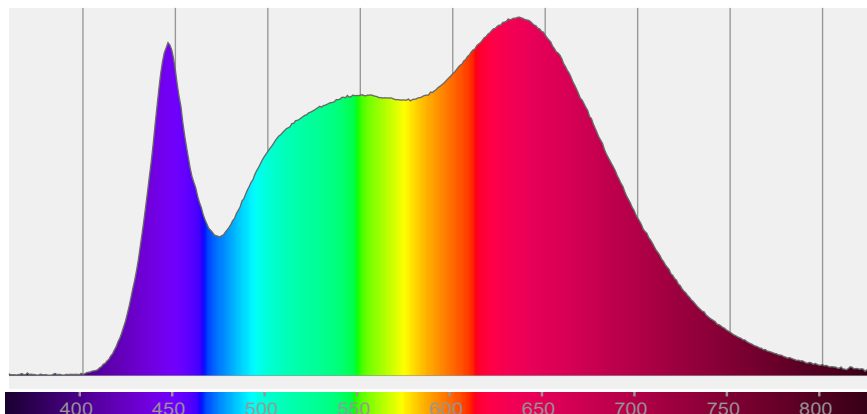


Beam angle 50%: 50,8°

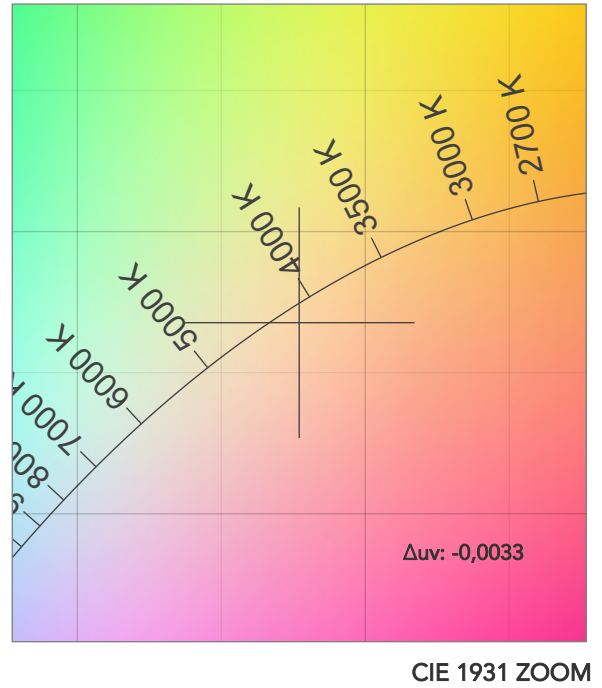
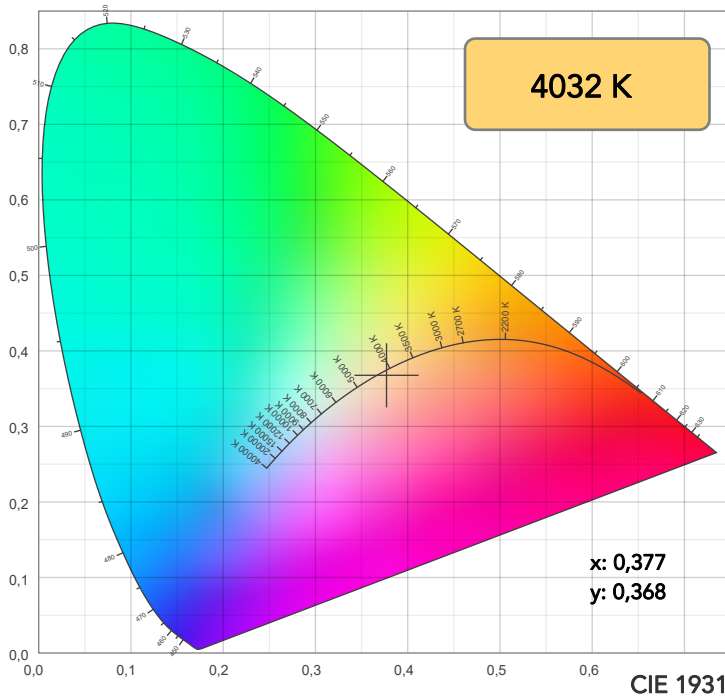
Field angle 10%: 105,1°

Cut off angle 2.5%: 139°

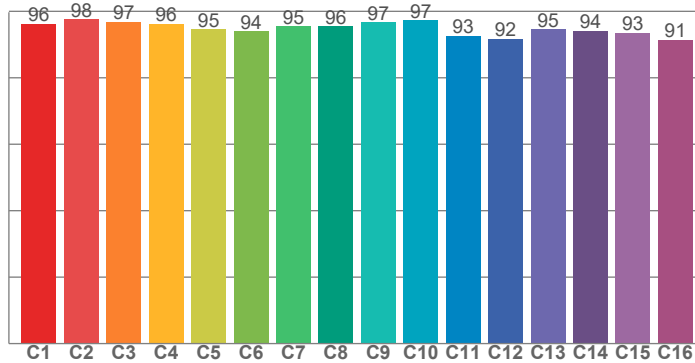
Spectra



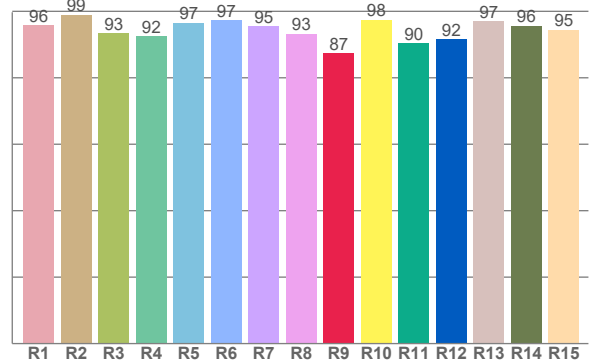
COLOR DETAILS



TM30: 95,1



CRI: 95,4 (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
95,9	99,0	93,4	92,5	96,5	97,4	95,5	93,3	87,3	97,5	90,4	91,7	96,9	95,6	94,5

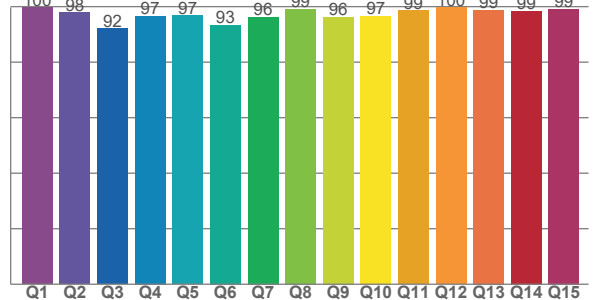
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 96,5



COLOR PARAMETERS

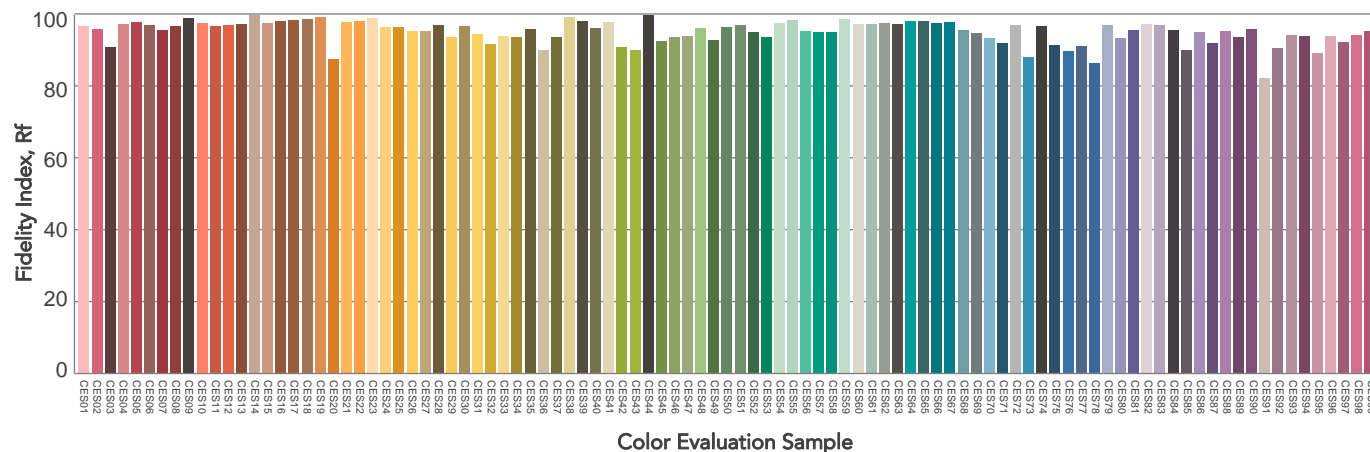
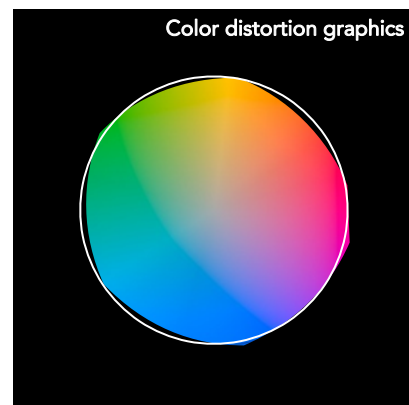
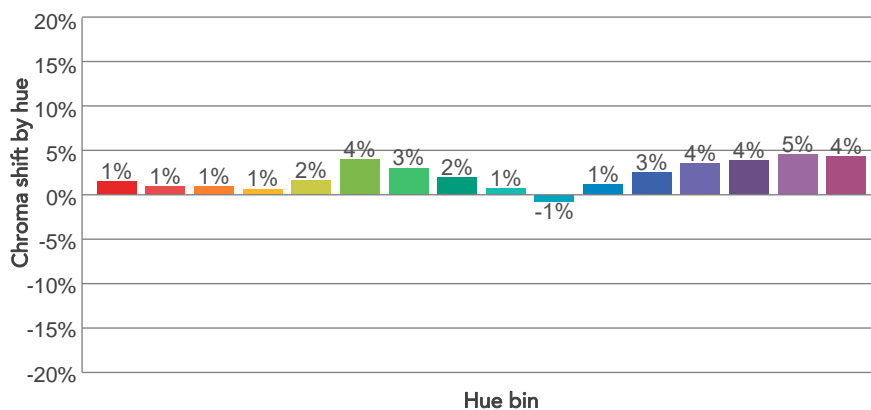
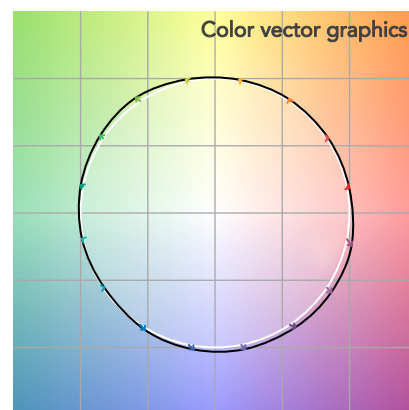
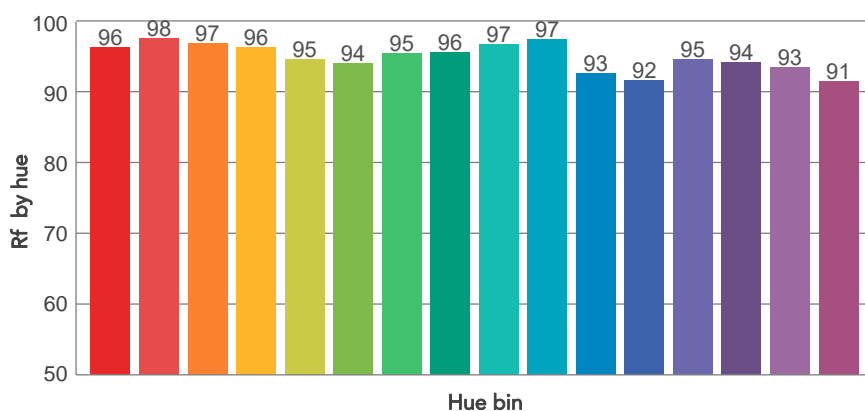
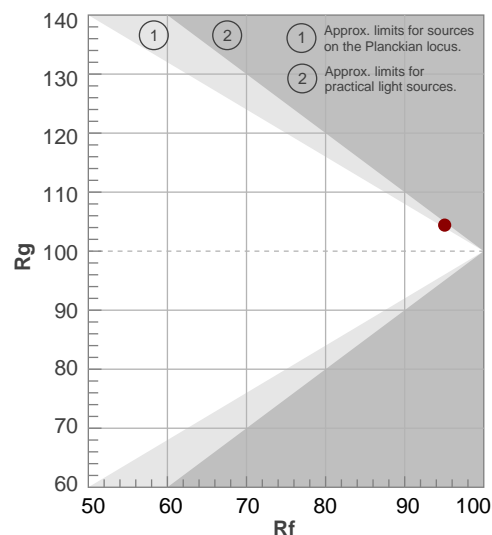
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4032 K	95,4	87,3	95,1	104,4	96,5	98	0,377	0,368	-0,0033

TM30 DETAILS

Rf 95,1
Fidelity index Rf

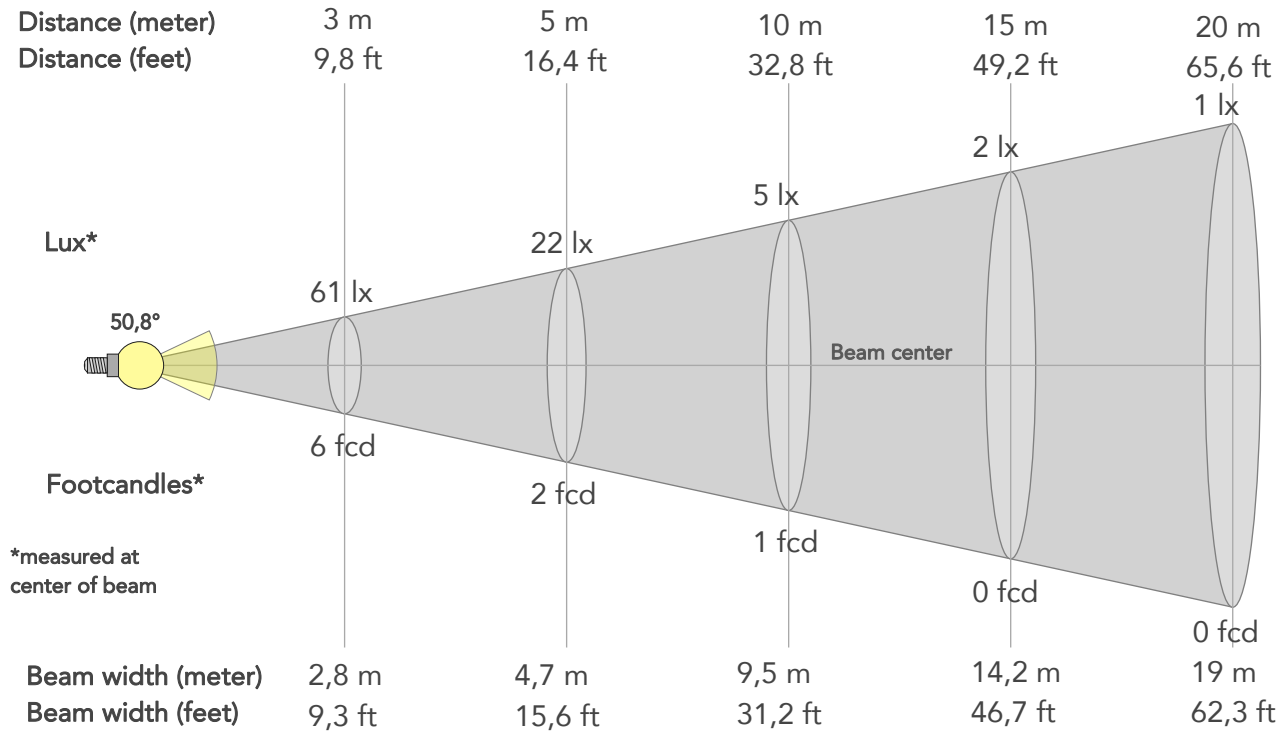
Rg 104,4
Gammut index

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



BEAM DETAILS

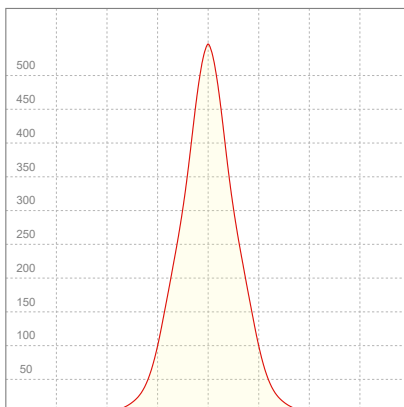
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
50,8°	105,1°	139°	94,0%	80,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	545lx	136lx	61lx	34lx	22lx	10lx	5lx	2lx	1lx	1lx	1lx	0lx	0lx
Footcand.	51fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,9m	2,8m	3,8m	4,7m	7,1m	9,5m	14,2m	19m	23,7m	28,5m	38m	47,5m
Beam wid.	3,1ft	6,3ft	9,3ft	12,4ft	15,6ft	23,4ft	31,2ft	46,7ft	62,3ft	77,9ft	93,5ft	124,6ft	155,8ft

LINEAR DISTRIBUTION DIAGRAM

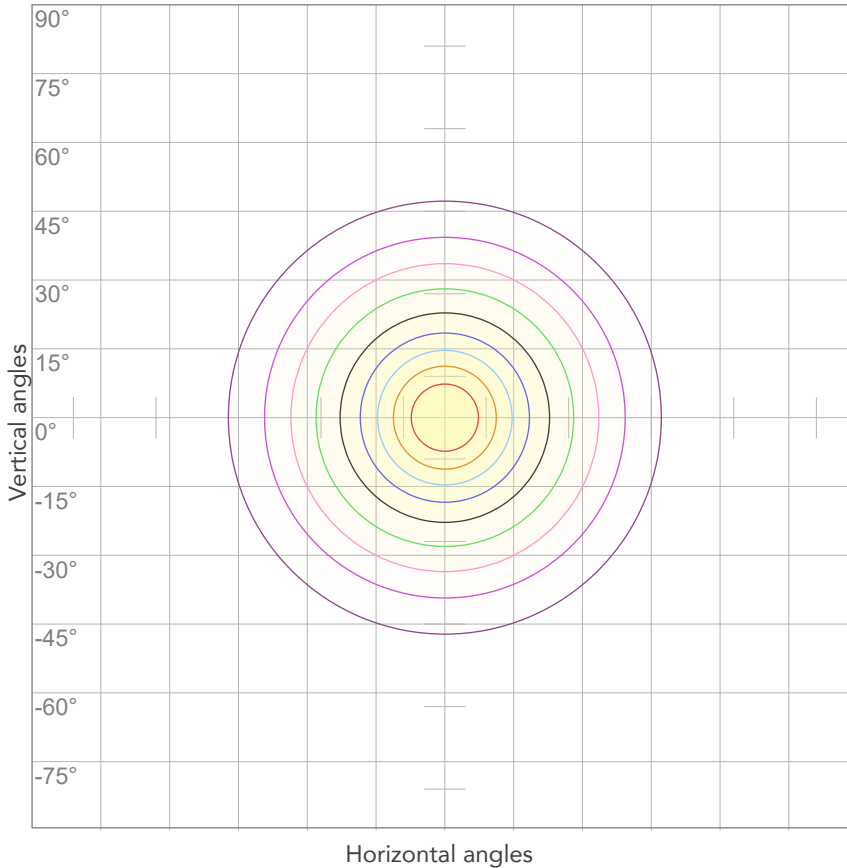


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,125A	25,3W	0,9	22lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



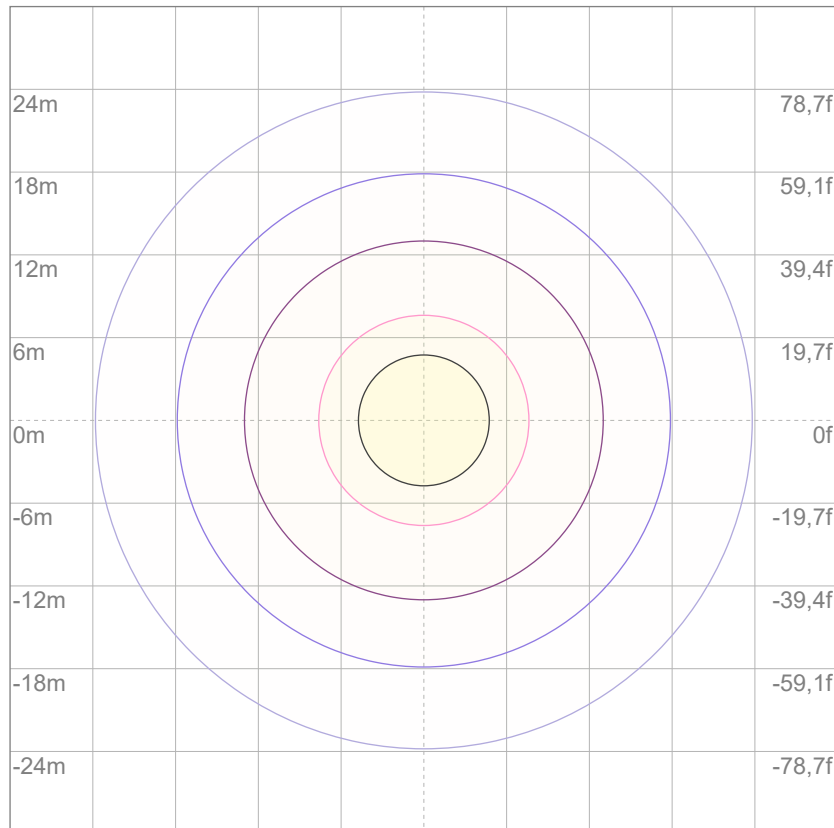
10%	54 cd
20%	109 cd
30%	163 cd
40%	218 cd
50%	272 cd
60%	327 cd
70%	381 cd
80%	436 cd

Conditions:

Number of c-planes: 2

Candela at center: 545 cd

ISO LUX DIAGRAM



3%	0,163 lx
5%	0,272 lx
10%	0,545 lx
30%	1,63 lx
50%	2,72 lx

Conditions:

Number of c-planes: 2

Lux at center: 5,45 lx

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



Total lumen output:

928 lm

Peak candela output:

2065 cd

Light quality:

CRI: 95,5

Color temperature:

4010 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 10°x 60° Filter

Target:

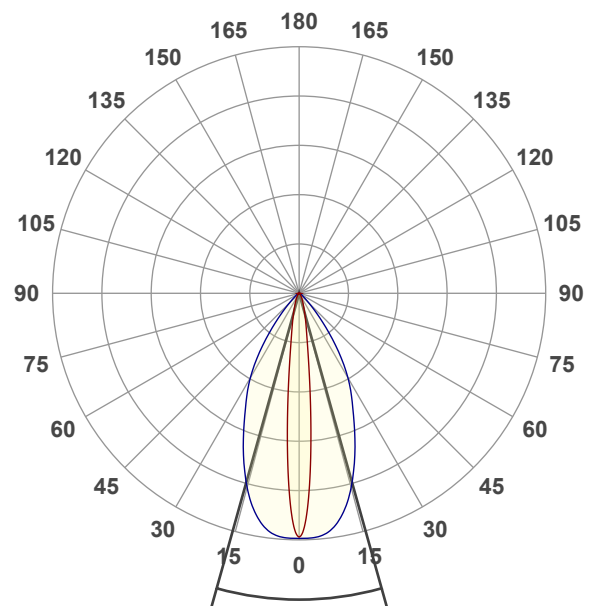
4000K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 17:32:36

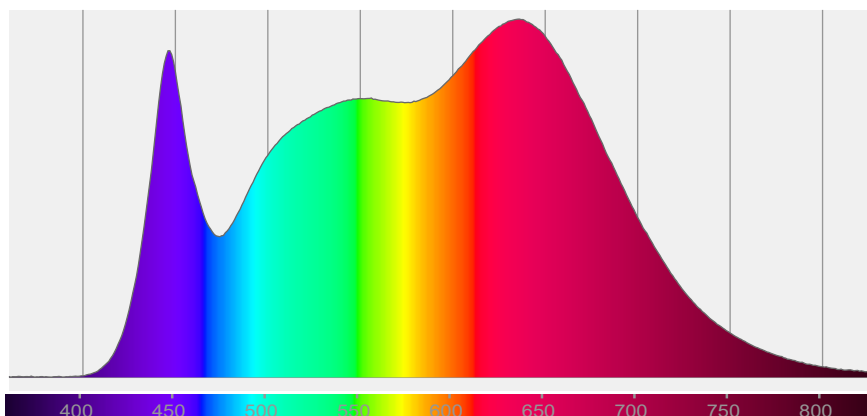


Beam angle 50%: 31,2°

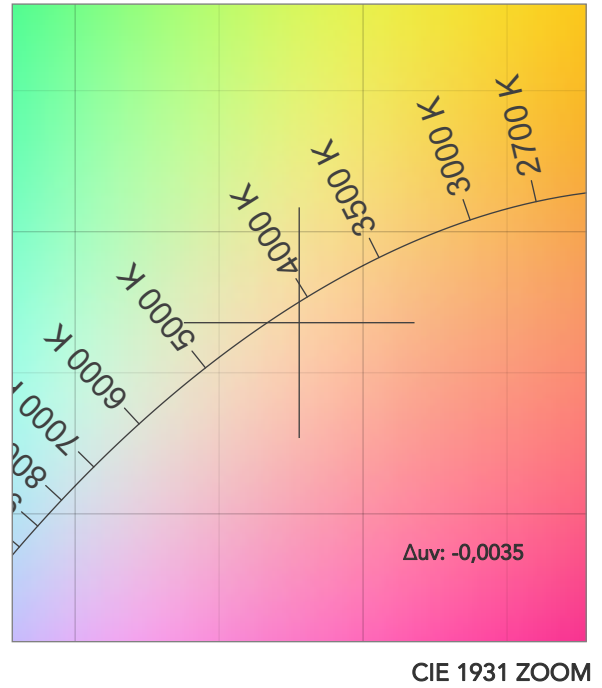
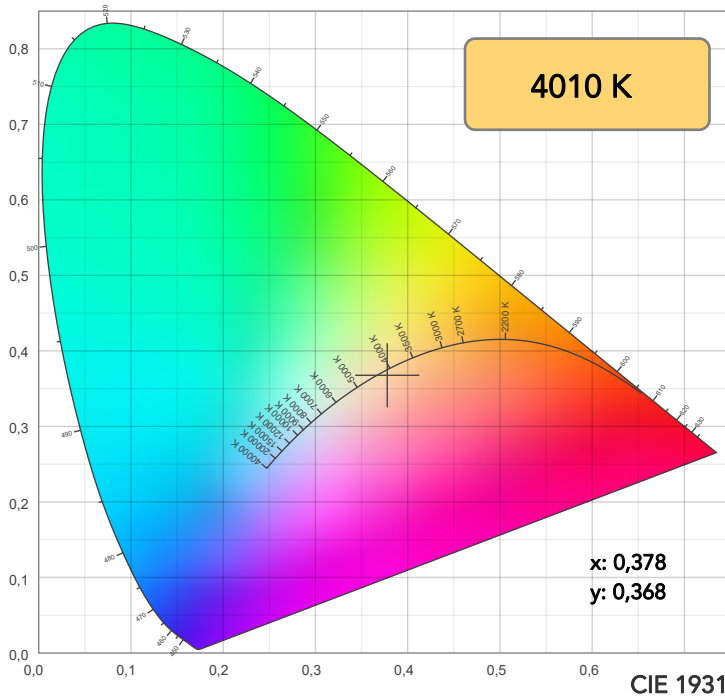
Field angle 10%: 56,2°

Cut off angle 2.5%: 77,9°

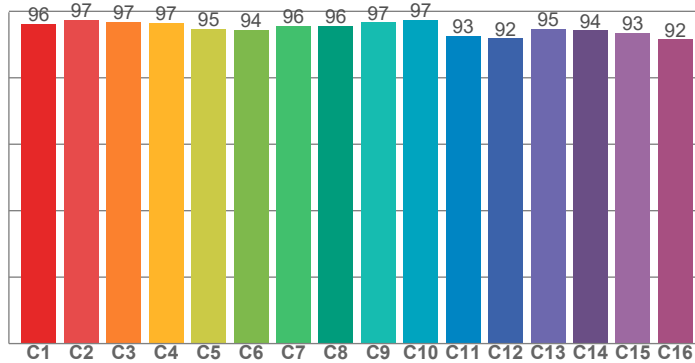
Spectra



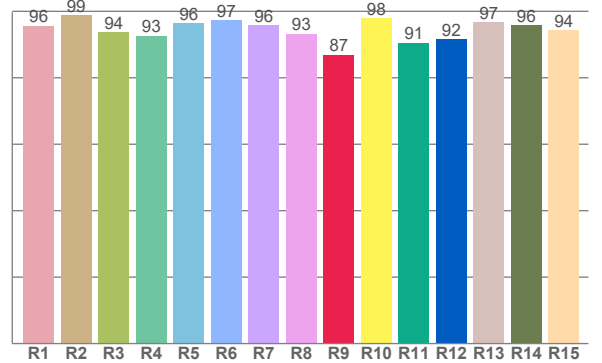
COLOR DETAILS



TM30: 95,2



CRI: 95,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,7	98,9	93,6	92,7	96,4	97,4	95,8	93,3	86,9	97,9	90,6	91,5	96,7	95,8	94,3

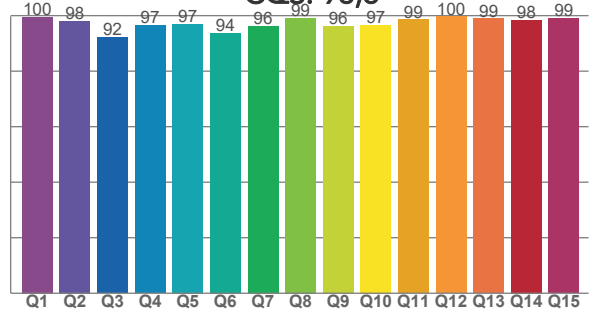
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 96,6



COLOR PARAMETERS

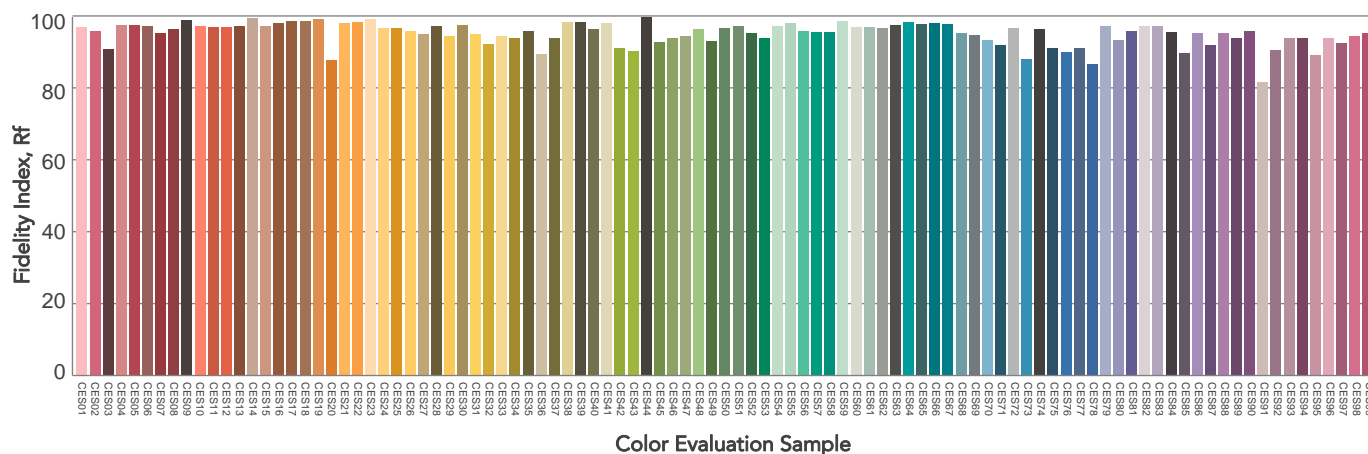
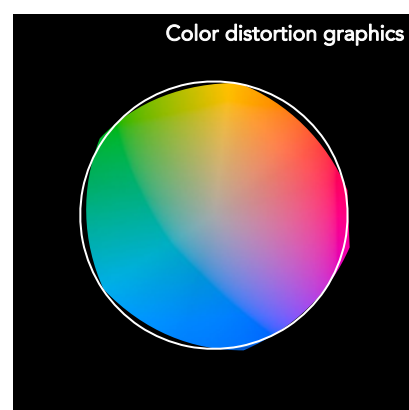
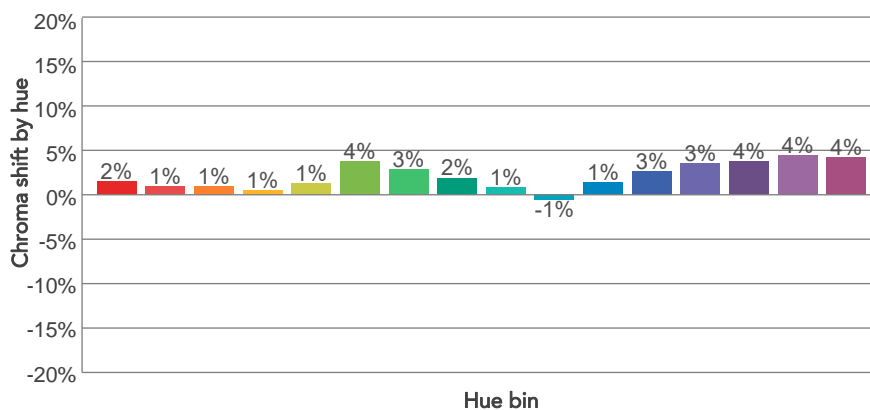
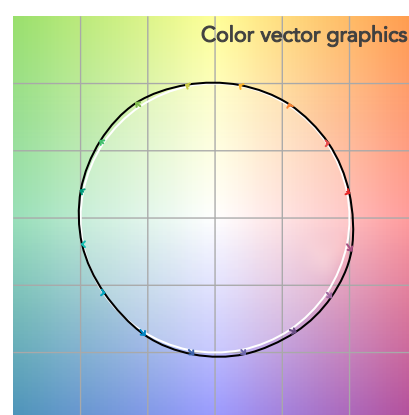
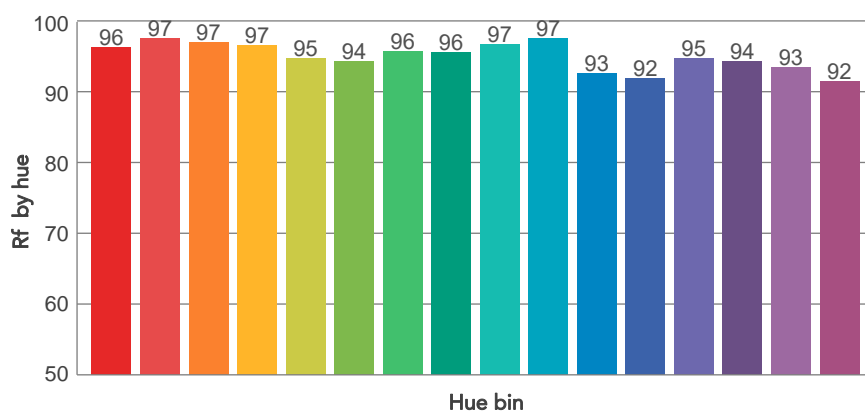
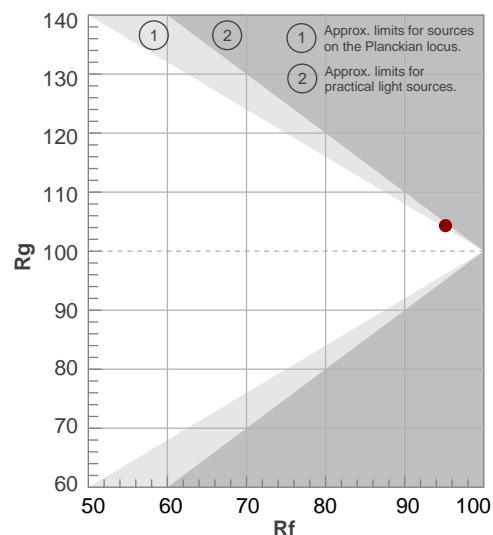
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4010 K	95,5	86,9	95,2	104,3	96,6	98	0,378	0,368	-0,0035

TM30 DETAILS

Rf 95,2
Fidelity index Rf

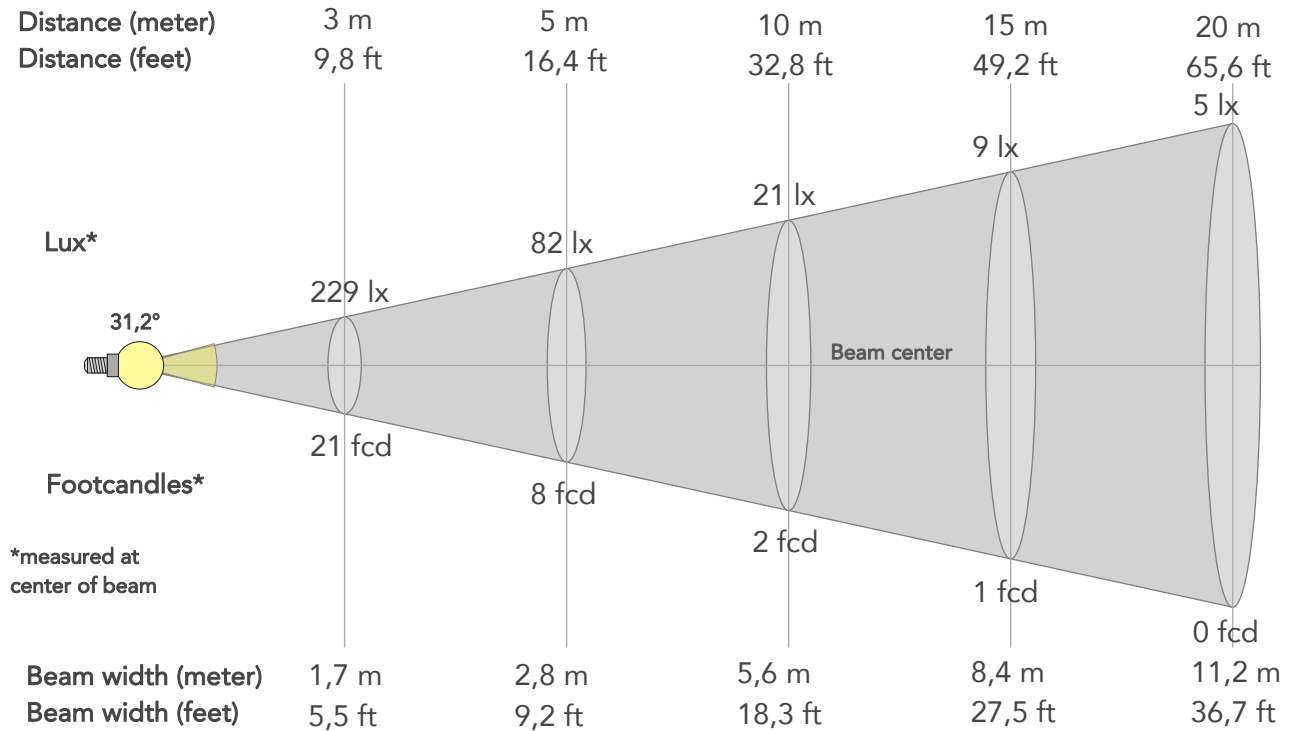
Rg 104,3
Gammut index

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



BEAM DETAILS

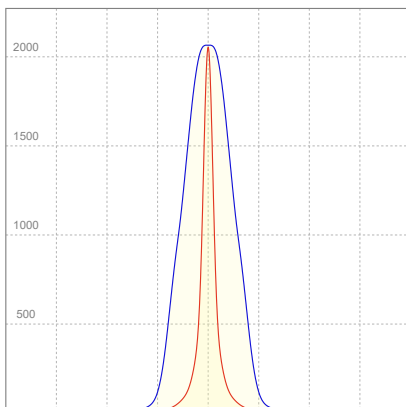
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
31,2°	56,2°	77,9°	97,9%	93,8%



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	2058lx	514lx	229lx	129lx	82lx	37lx	21lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	191fcd	48fcd	21fcd	12fcd	8fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,1m	1,7m	2,2m	2,8m	4,2m	5,6m	8,4m	11,2m	14m	16,8m	22,4m	28m
Beam wid.	1,8ft	3,7ft	5,5ft	7,3ft	9,2ft	13,8ft	18,3ft	27,5ft	36,7ft	45,8ft	55ft	73,4ft	91,7ft

LINEAR DISTRIBUTION DIAGRAM

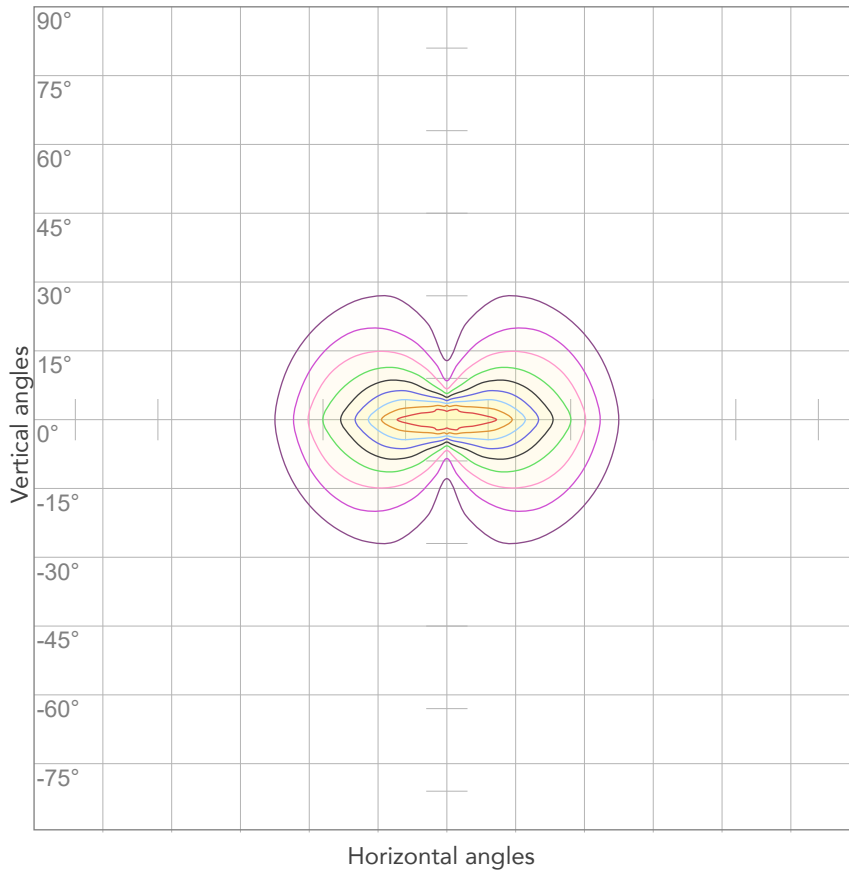


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,124A	24,9W	0,89	37lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



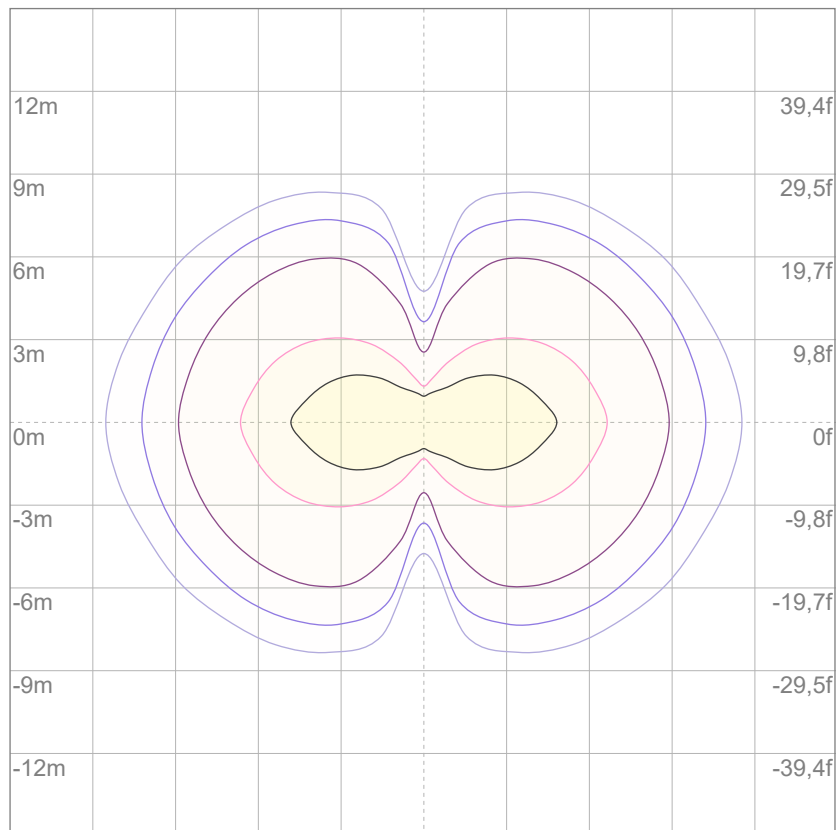
10%	206 cd
20%	412 cd
30%	617 cd
40%	823 cd
50%	1029 cd
60%	1235 cd
70%	1440 cd
80%	1646 cd

Conditions:

Number of c-planes: 4

Candela at center: 2058 cd

ISO LUX DIAGRAM



3%	0,617 lx
5%	1,03 lx
10%	2,06 lx
30%	6,17 lx
50%	10,3 lx

Conditions:

Number of c-planes: 4

Lux at center: 20,6 lx

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



Total lumen output:

588 lm

Peak candela output:

891 cd

Light quality:

CRI: 95,4

Color temperature:

4002 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 30°x 60° Filter

Target:

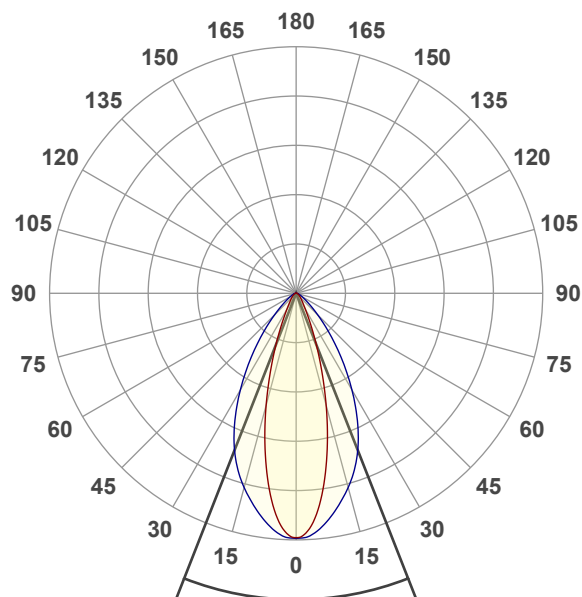
4000K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 18:03:45

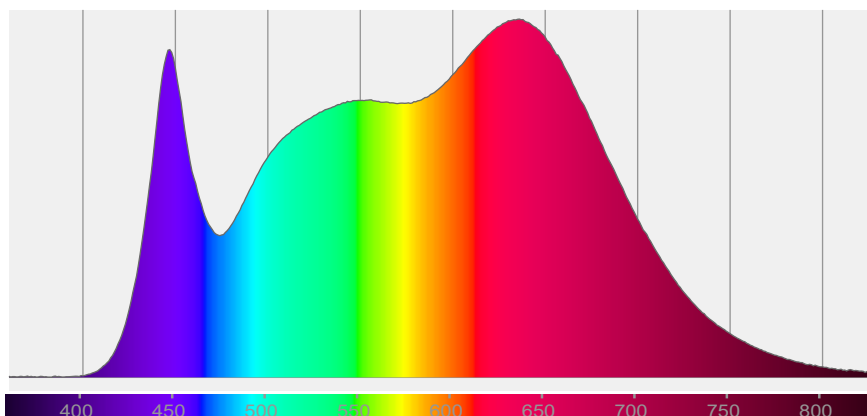


Beam angle 50%: 42,9°

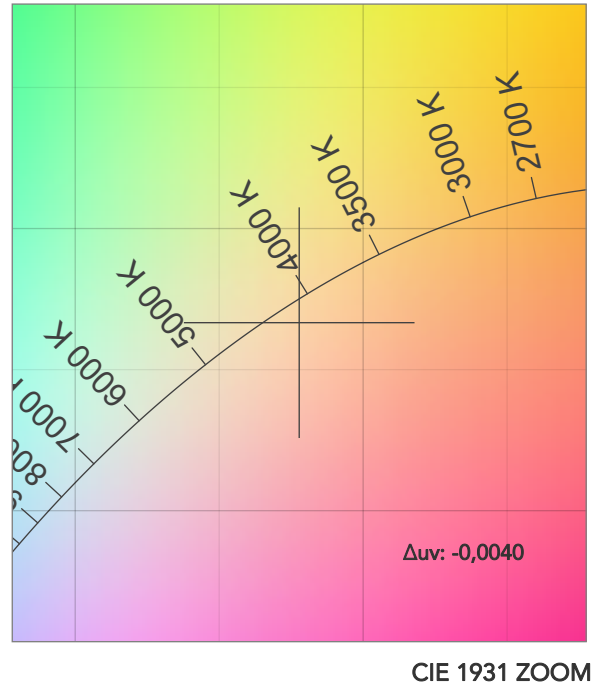
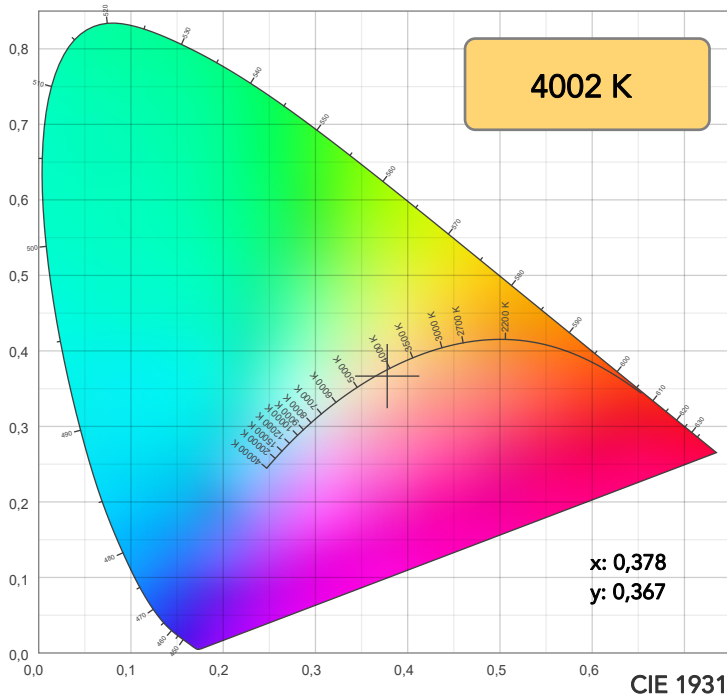
Field angle 10%: 74,8°

Cut off angle 2.5%: 106,2°

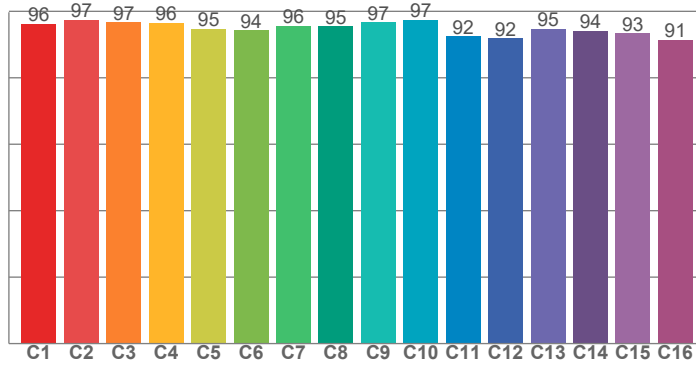
Spectra



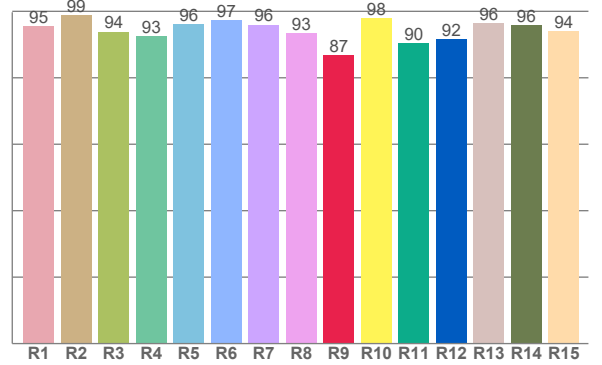
COLOR DETAILS



TM30: 95,1



CRI: 95,4 (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	93,8	92,6	96,2	97,2	95,9	93,3	86,7	98,0	90,4	91,6	96,3	95,8	93,9

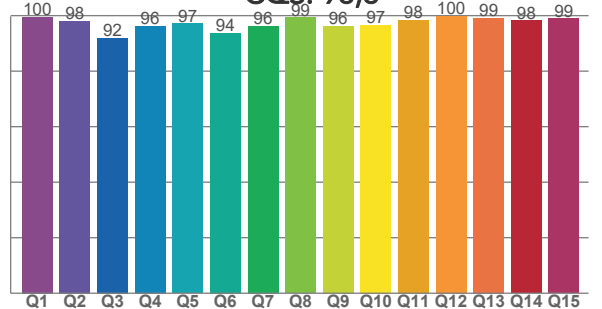
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 96,6



COLOR PARAMETERS

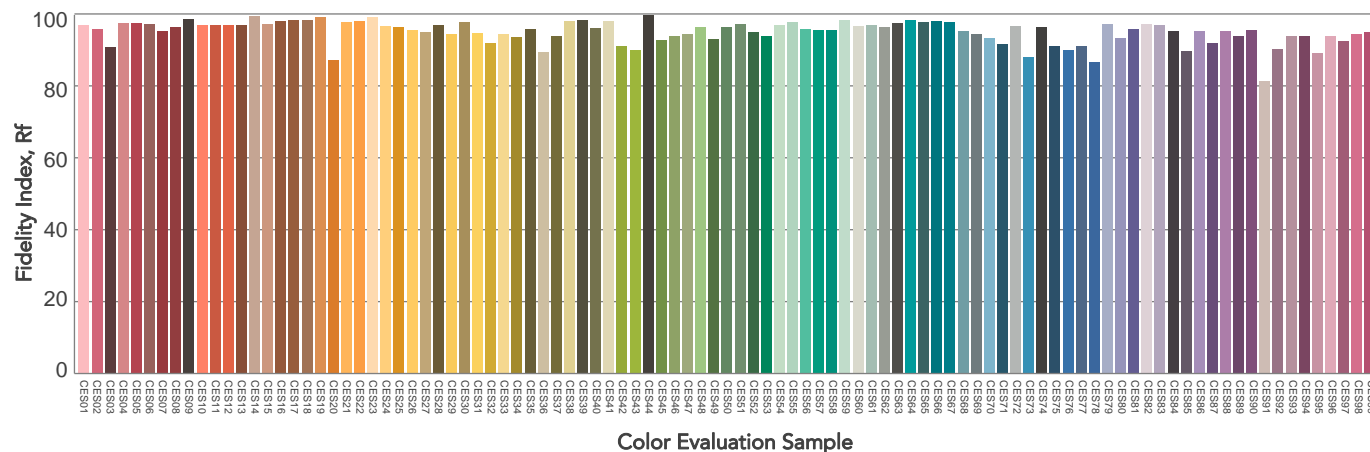
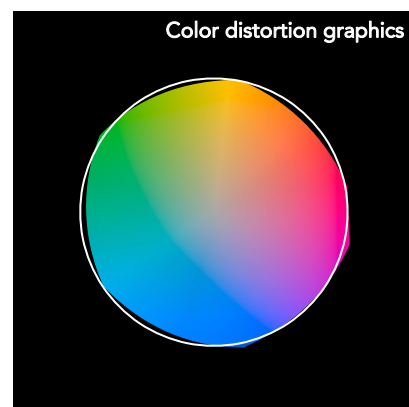
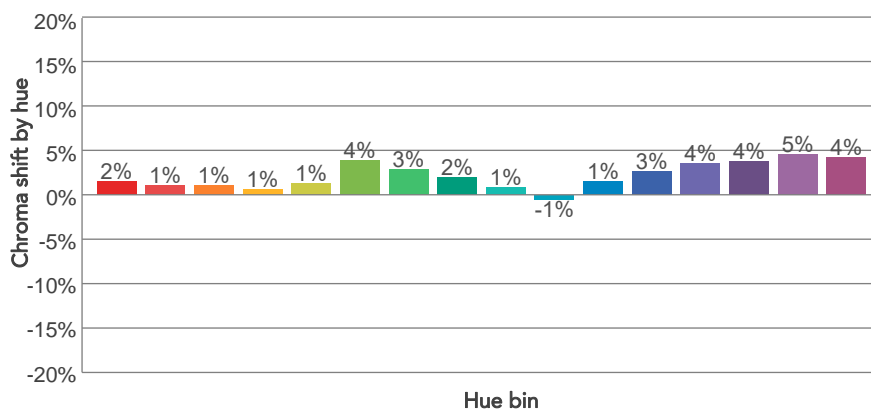
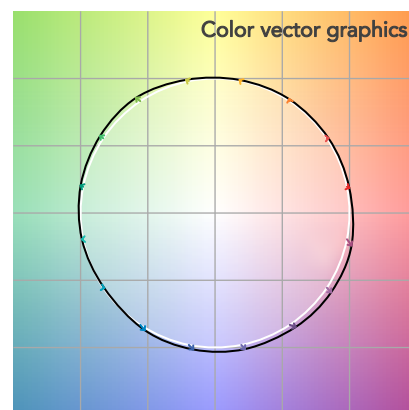
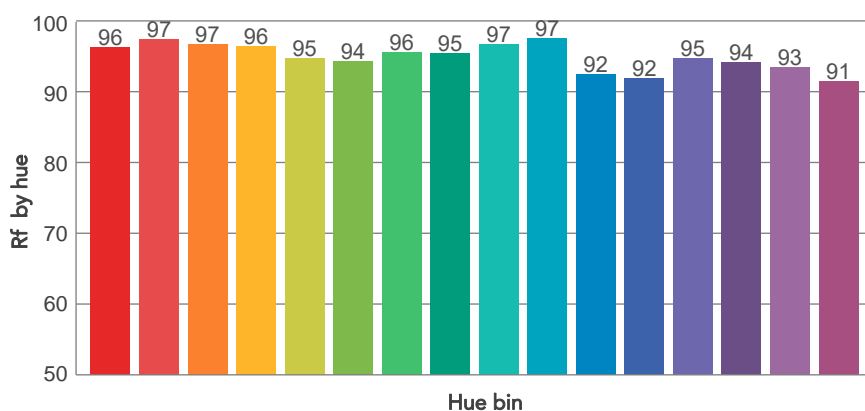
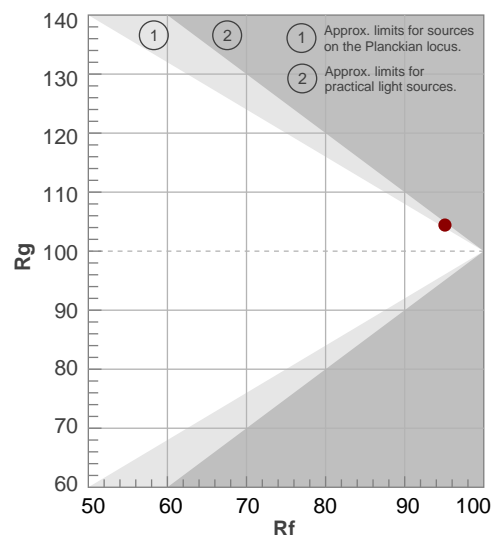
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4002 K	95,4	86,7	95,1	104,4	96,6	98	0,378	0,367	-0,0040

TM30 DETAILS

Rf 95,1
Fidelity index Rf

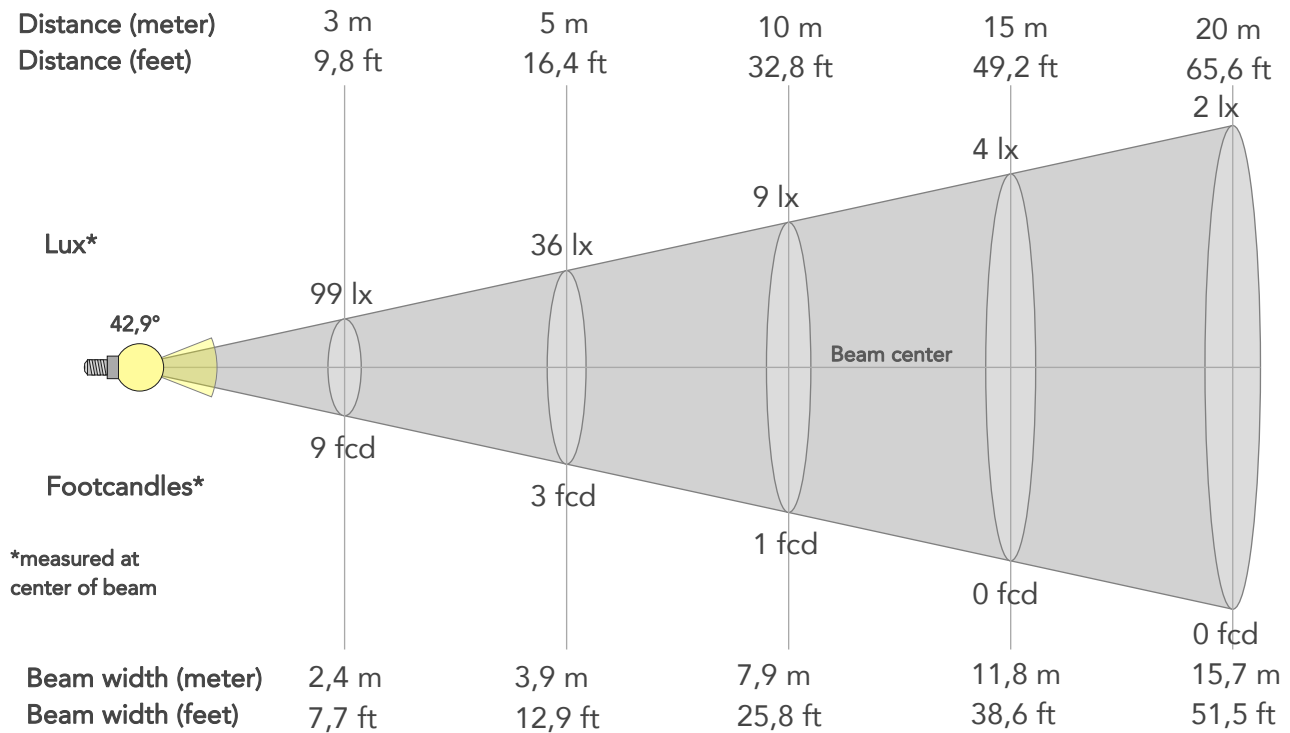
Rg 104,4
Gammut index

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



BEAM DETAILS

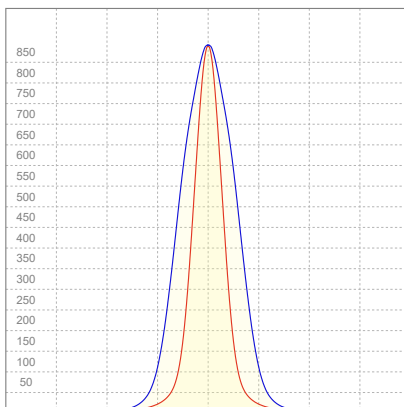
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
42,9°	74,8°	106,2°	96,3%	88,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	890lx	222lx	99lx	56lx	36lx	16lx	9lx	4lx	2lx	1lx	1lx	1lx	0lx
Footcand.	83fcd	21fcd	9fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,1m	3,9m	5,9m	7,9m	11,8m	15,7m	19,6m	23,6m	31,4m	39,3m
Beam wid.	2,6ft	5,2ft	7,7ft	10,3ft	12,9ft	19,3ft	25,8ft	38,6ft	51,5ft	64,4ft	77,3ft	103ft	128,8ft

LINEAR DISTRIBUTION DIAGRAM

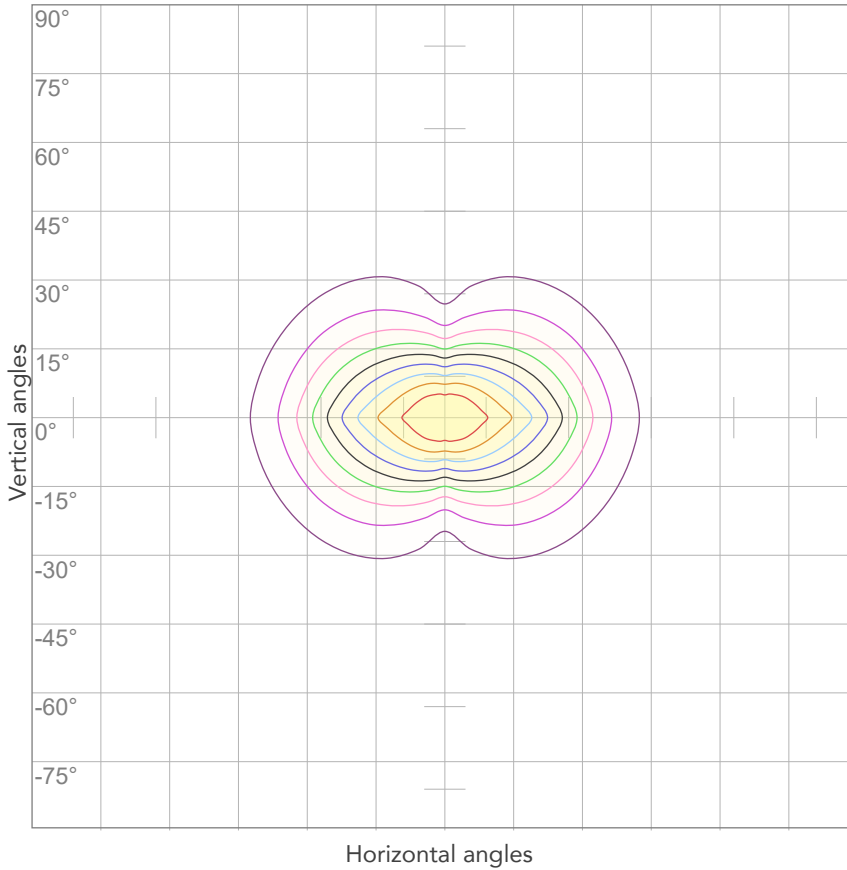


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,124A	24,8W	0,89	24lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



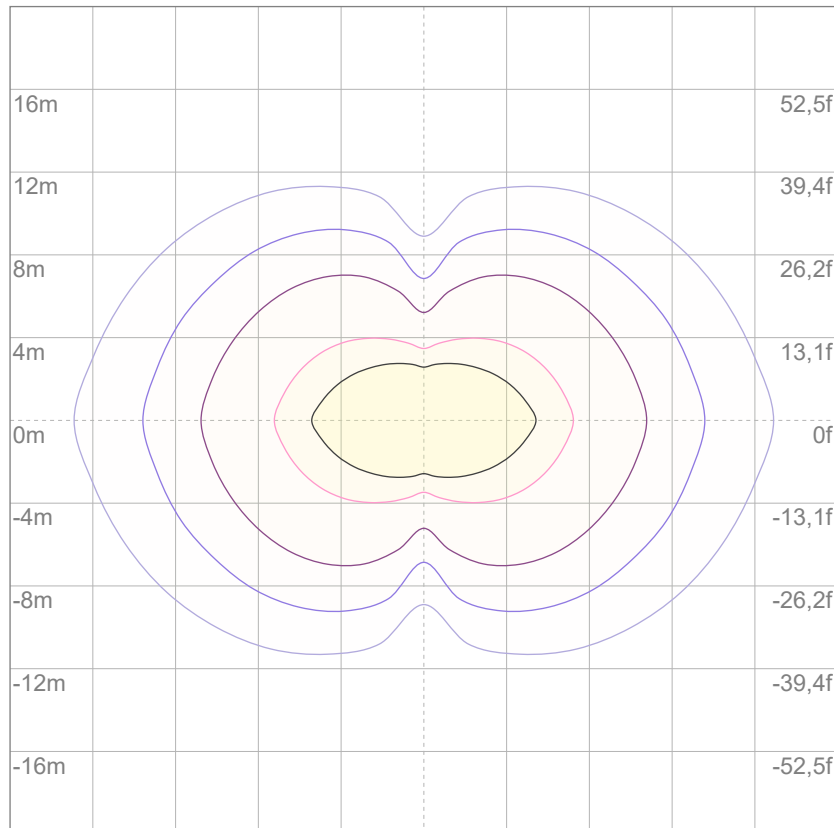
10%	89 cd
20%	178 cd
30%	267 cd
40%	356 cd
50%	445 cd
60%	534 cd
70%	623 cd
80%	712 cd

Conditions:

Number of c-planes: 4

Candela at center: 890 cd

ISO LUX DIAGRAM



3%	0,267 lx
5%	0,445 lx
10%	0,890 lx
30%	2,67 lx
50%	4,45 lx

Conditions:

Number of c-planes: 4

Lux at center: 8,90 lx

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



Total lumen output:

710 lm

Peak candela output:

54362 cd

Light quality:

CRI: 95,0

Color temperature:

5651 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°

Target:

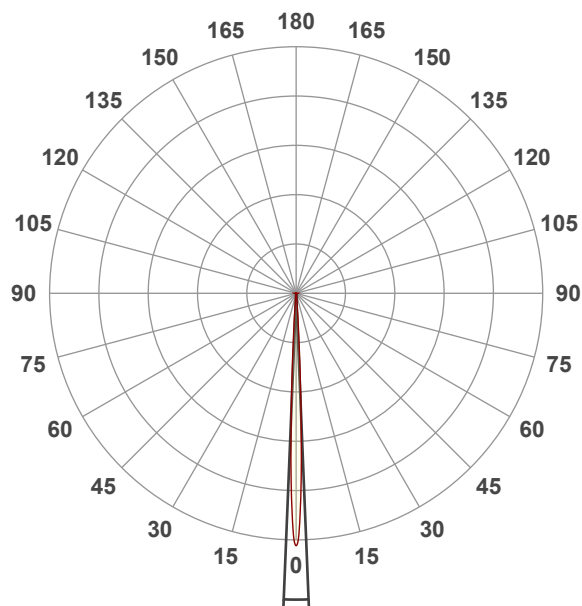
5600K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 16:06:31

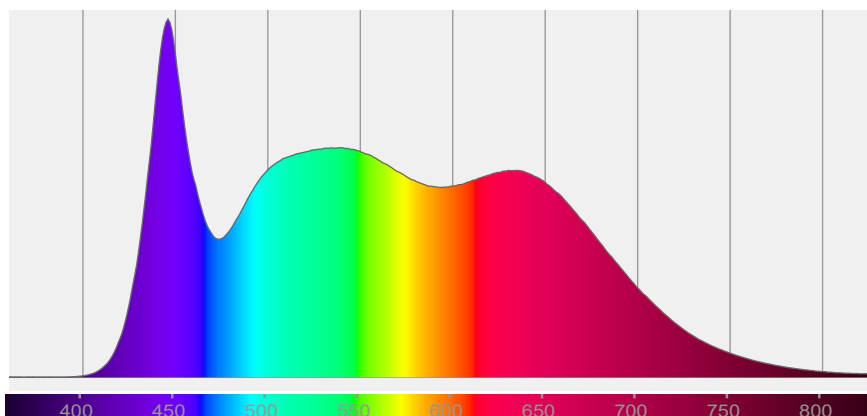


Beam angle 50%: 4,7°

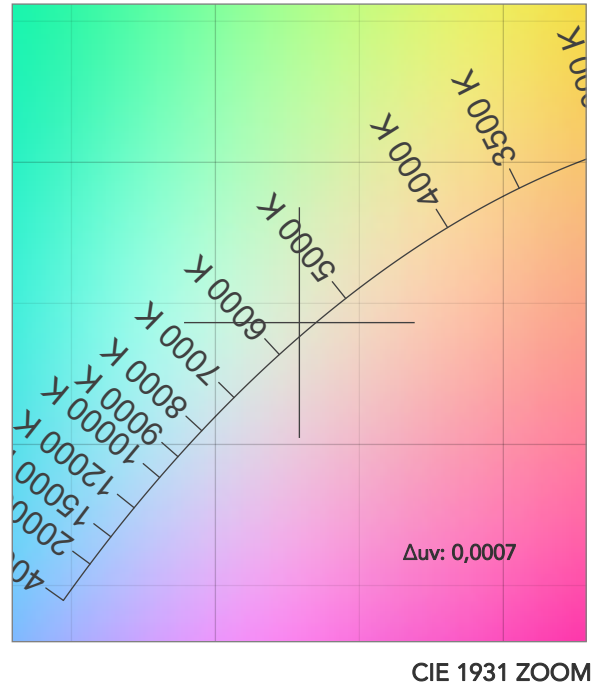
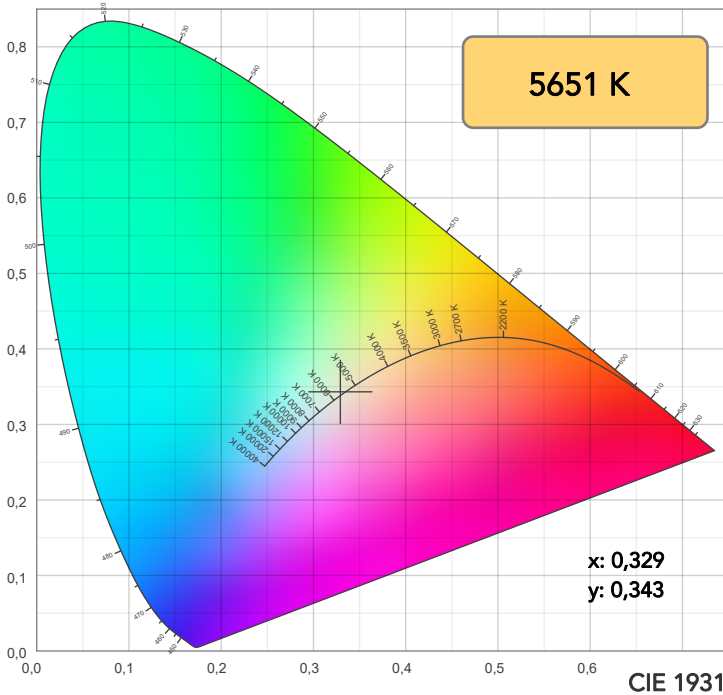
Field angle 10%: 8,5°

Cut off angle 2.5%: 12,9°

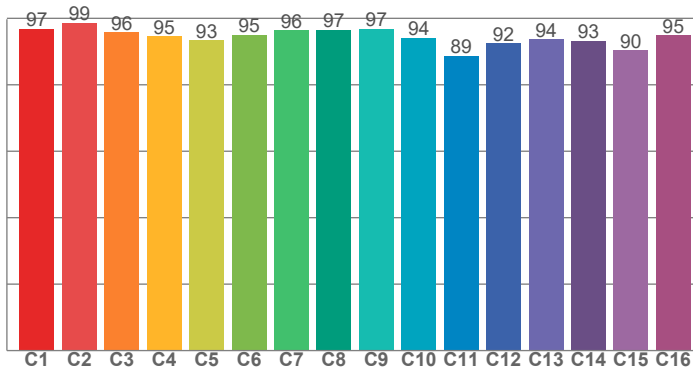
Spectra



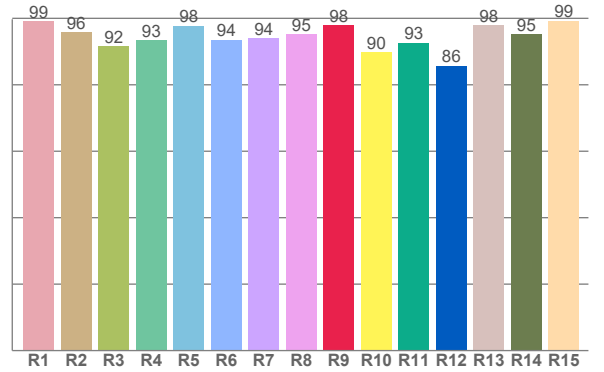
COLOR DETAILS



TM30: 94,4



CRI: 95,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,0	95,8	91,6	93,3	97,8	93,6	94,0	95,2	98,0	89,8	92,6	85,7	97,9	95,2	99,3

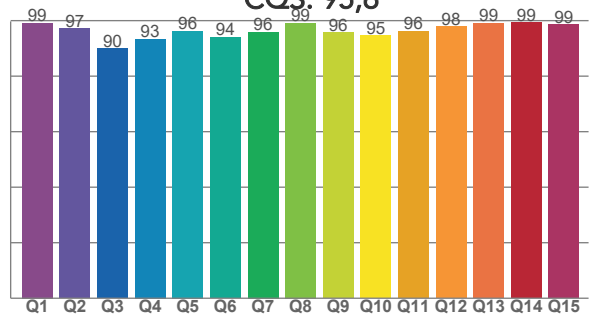
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,8	98,7	95,8	94,6	93,3	95,0	96,4	96,6	96,8	94,2	88,6	92,4	93,7	93,3	90,4	94,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,2	97,1	90,0	93,3	96,3	94,0	95,9	99,2	95,7	94,5	96,2	97,8	99,0	99,3	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
5651 K	95,0	98,0	94,4	103,1	95,6	99	0,329	0,343	0,0007

TM30 DETAILS

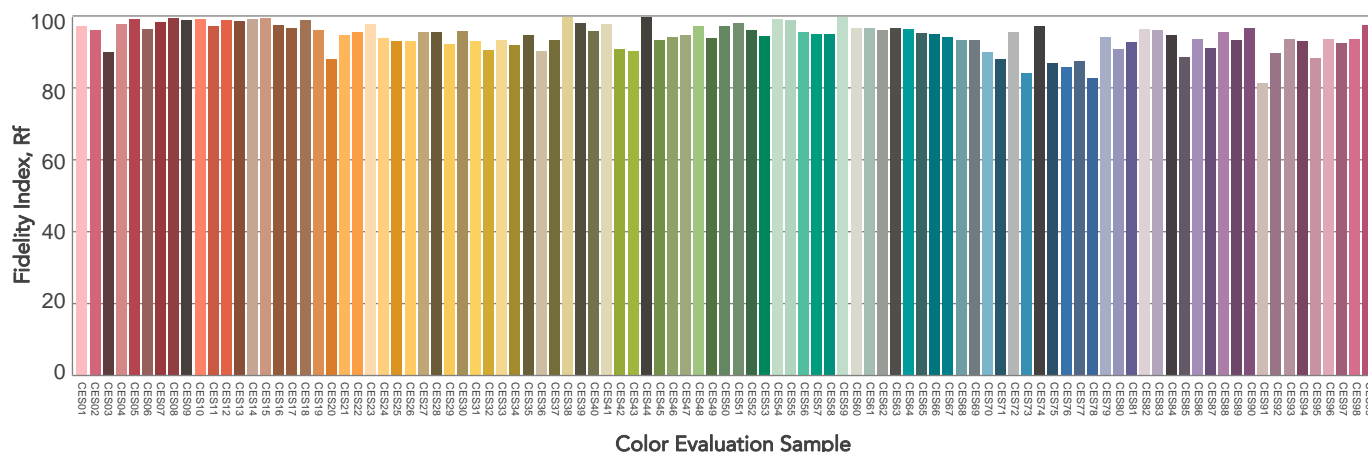
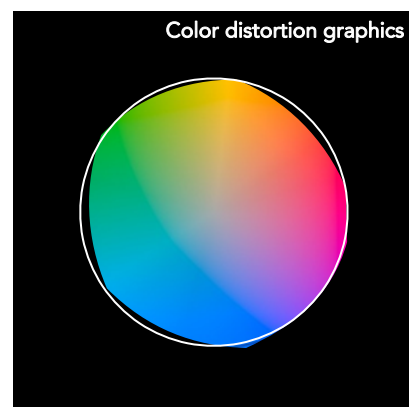
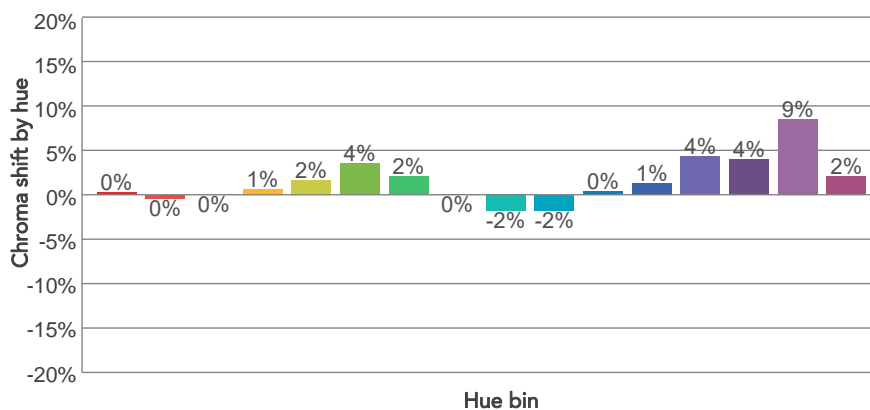
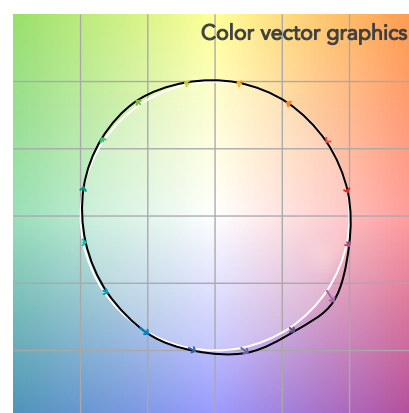
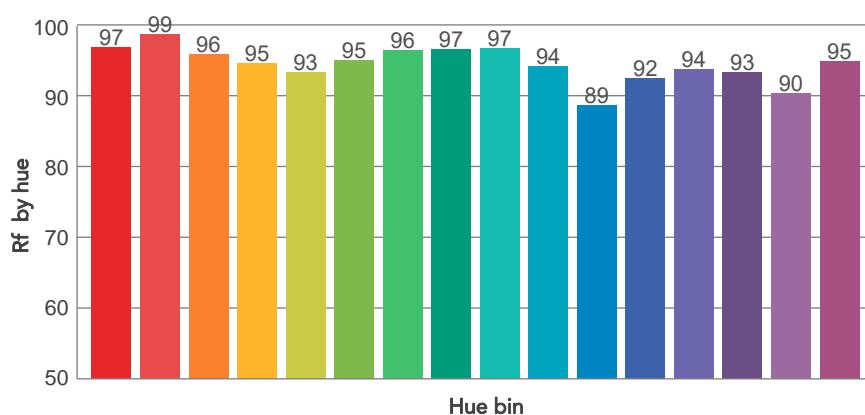
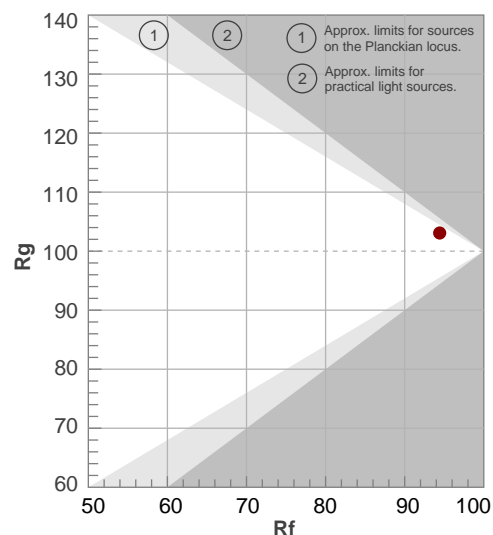
Rf 94,4

Fidelity index Rf

Rg 103,1

Gammut index

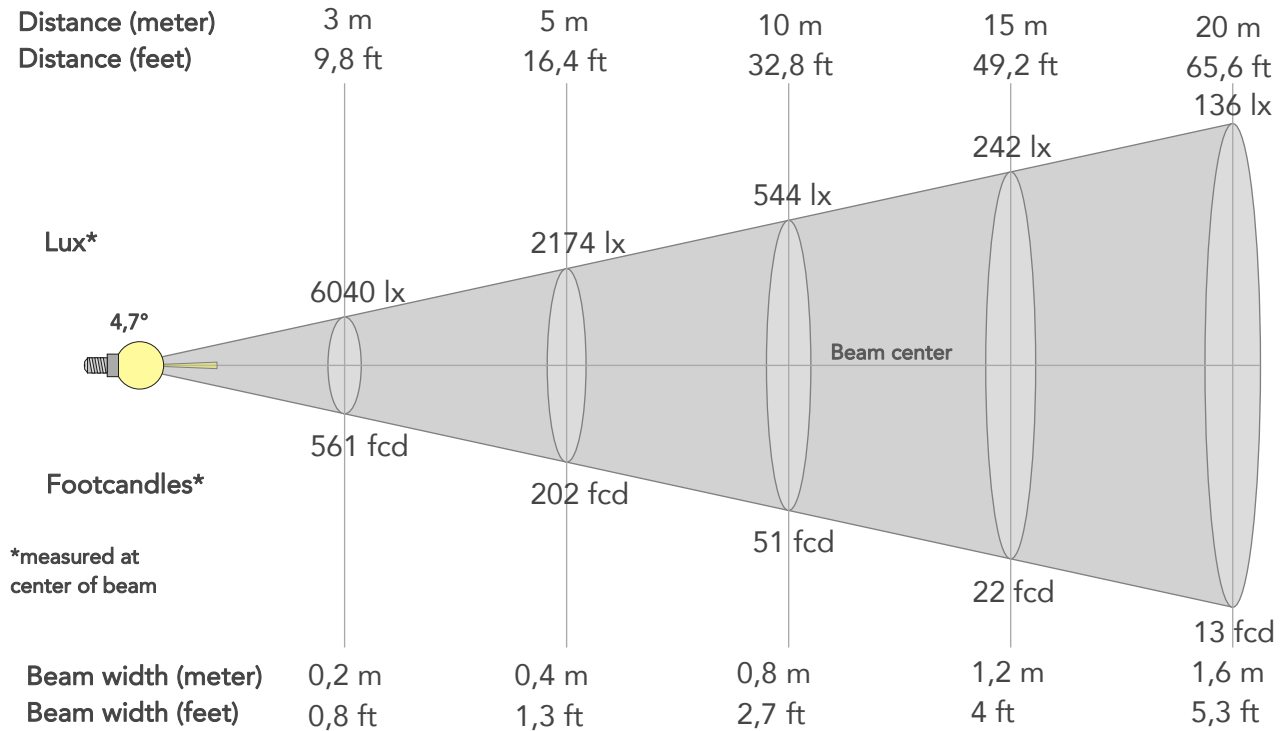
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	0%	-2%
2	99	0%	0%
3	96	0%	2%
4	95	1%	3%
5	93	2%	2%
6	95	4%	1%
7	96	2%	-1%
8	97	0%	-2%
9	97	-2%	0%
10	94	-2%	3%
11	89	0%	7%
12	92	1%	5%
13	94	4%	4%
14	93	4%	1%
15	90	9%	-4%
16	95	2%	-2%



BEAM DETAILS



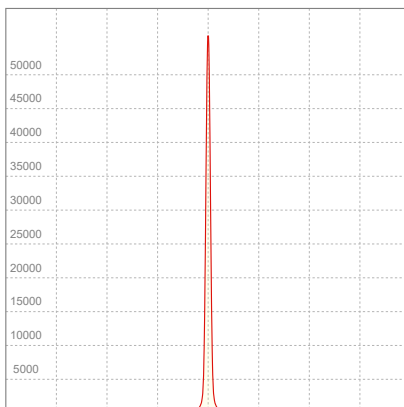
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,7°	8,5°	12,9°	95,8%	92,0%



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	54362lx	13591lx	6040lx	3398lx	2174lx	966lx	544lx	242lx	136lx	87lx	60lx	34lx	22lx
Footcand.	5050fcd	1263fcd	561fcd	316fcd	202fcd	90fcd	51fcd	22fcd	13fcd	8fcd	6fcd	3fcd	2fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,2m	1,6m	2m	2,4m	3,2m	4,1m
Beam wid.	0,3ft	0,5ft	0,8ft	1,1ft	1,3ft	2ft	2,7ft	4ft	5,3ft	6,7ft	8ft	10,7ft	13,3ft

LINEAR DISTRIBUTION DIAGRAM

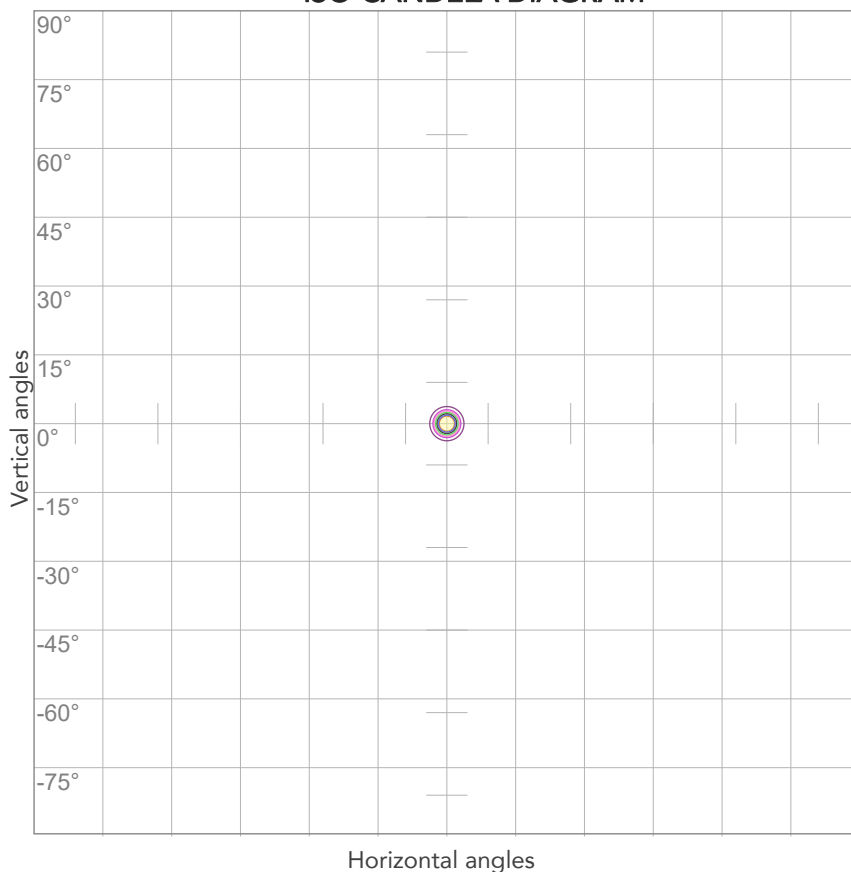


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,129A	26,5W	0,91	27lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



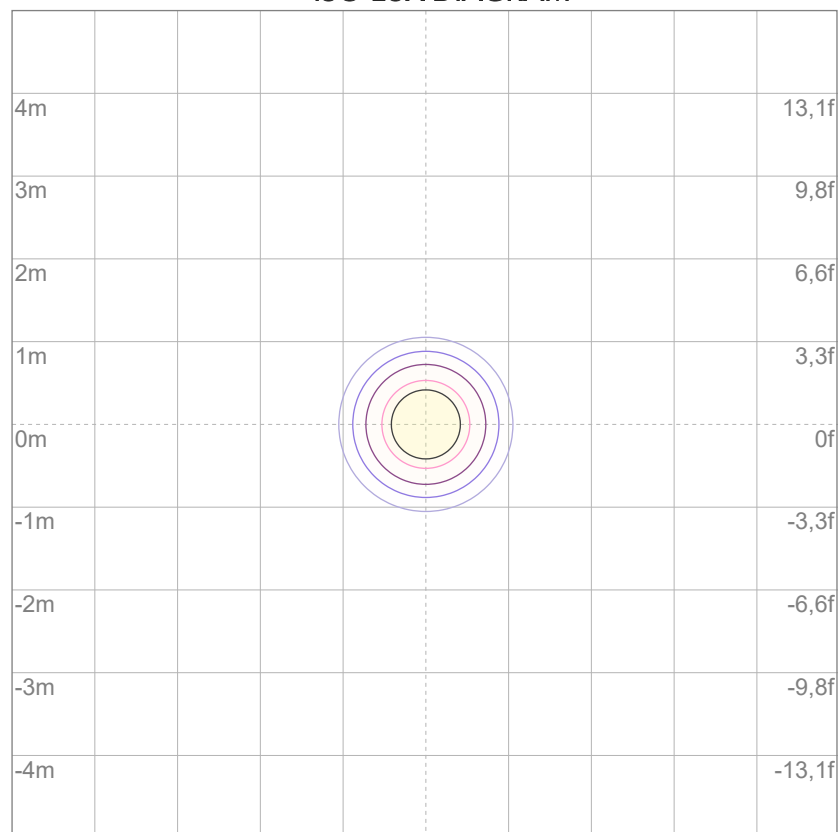
10%	5436 cd
20%	10872 cd
30%	16309 cd
40%	21745 cd
50%	27181 cd
60%	32617 cd
70%	38054 cd
80%	43490 cd

Conditions:

Number of c-planes: 2

Candela at center: 54362 cd

ISO LUX DIAGRAM



3%	16,3 lx
5%	27,2 lx
10%	54,4 lx
30%	163 lx
50%	272 lx

Conditions:

Number of c-planes: 2

Lux at center: 544 lx

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



Total lumen output:

634 lm

Peak candela output:

2912 cd

Light quality:

CRI: 95,3

Color temperature:

5616 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 20° Filter

Target:

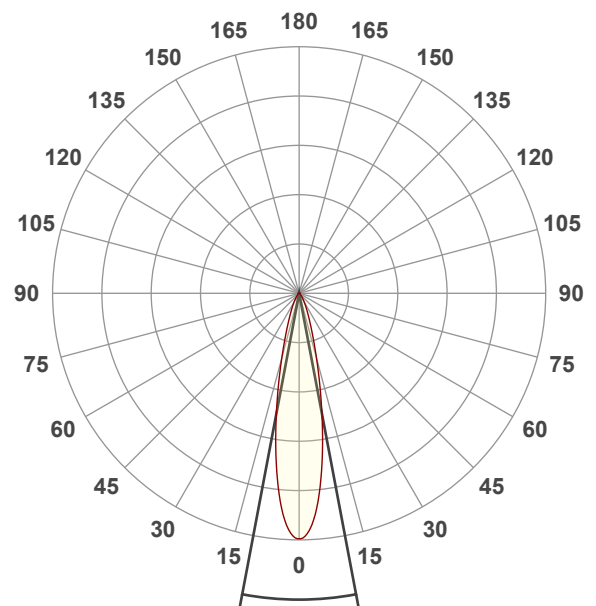
5600K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 16:28:04

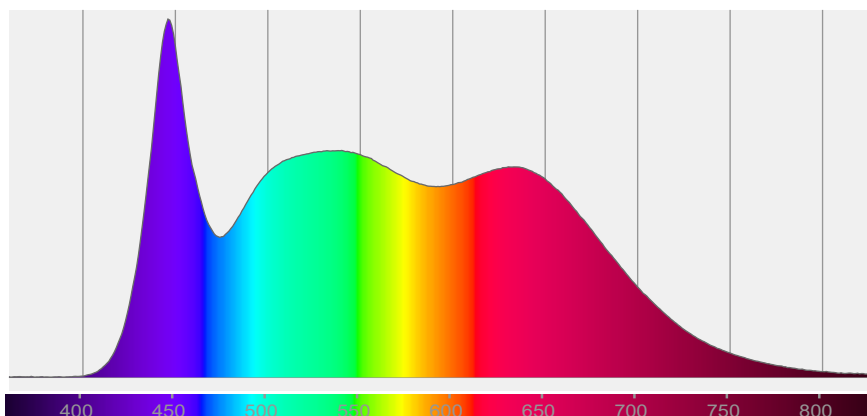


Beam angle 50%: 21,4°

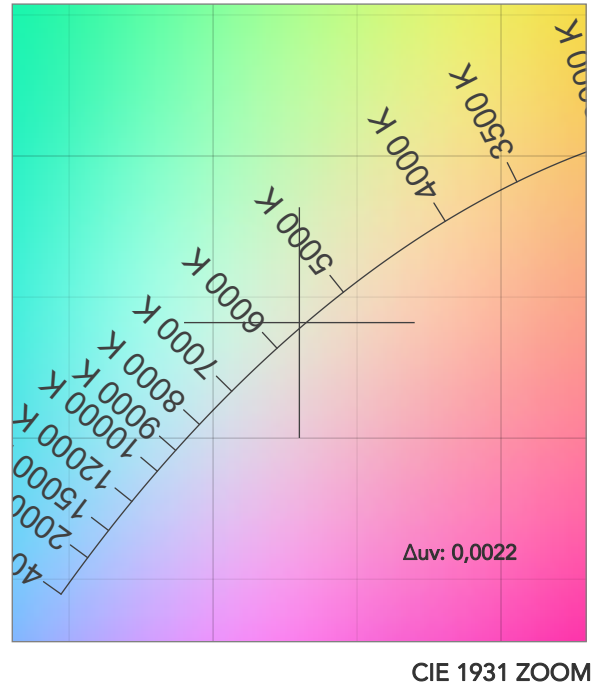
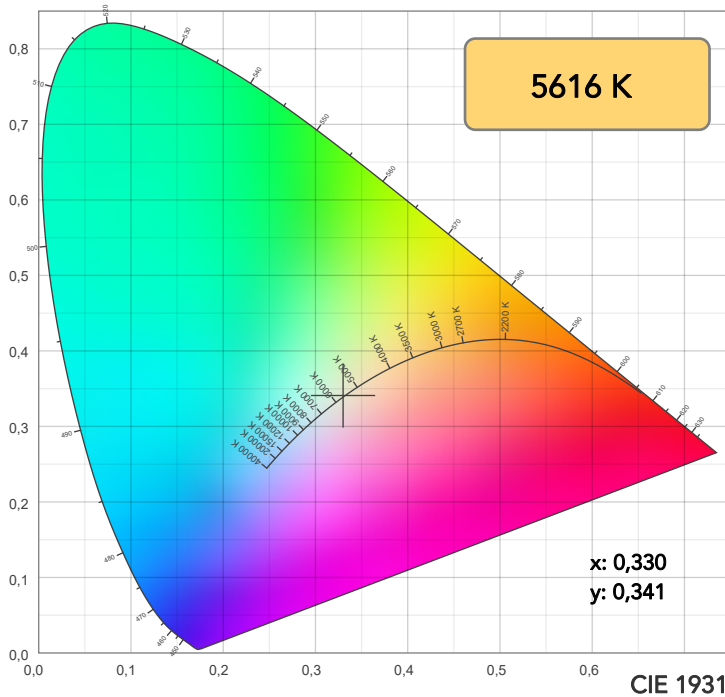
Field angle 10%: 44,6°

Cut off angle 2.5%: 69,3°

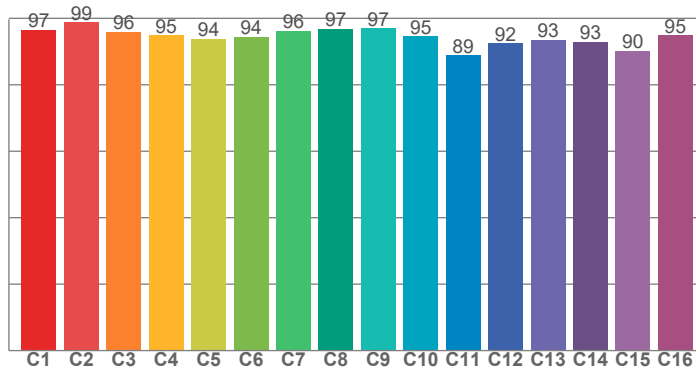
Spectra



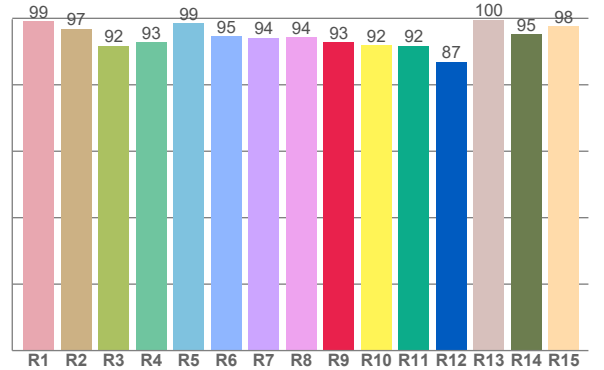
COLOR DETAILS



TM30: 94,5



CRI: 95,3 (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
99,1	96,8	91,7	92,9	98,6	94,6	94,1	94,3	92,8	92,0	91,8	87,0	99,6	95,2	97,6

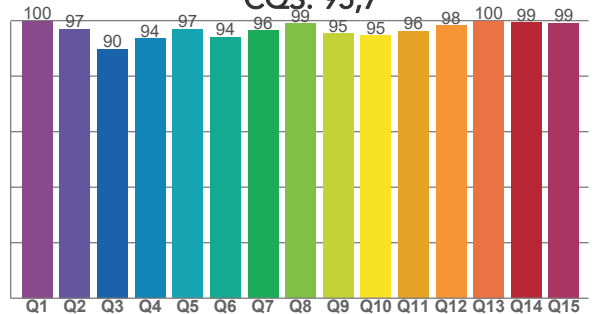
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,5	98,8	96,0	94,8	93,8	94,4	96,3	96,9	97,0	94,6	88,8	92,5	93,5	93,0	90,2	94,8

CQS Q values

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

CQS: 95,7



COLOR PARAMETERS

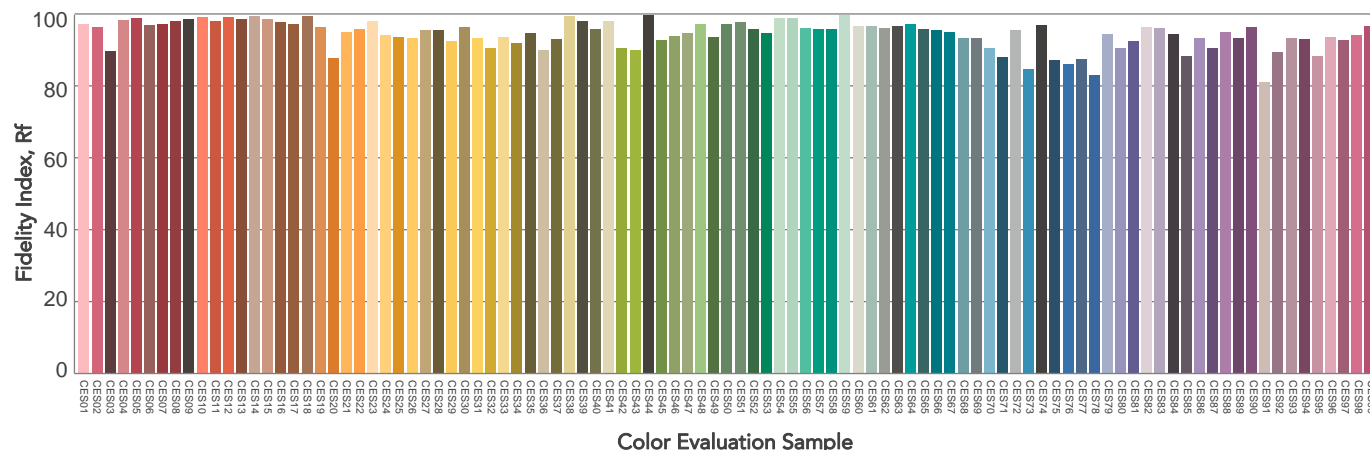
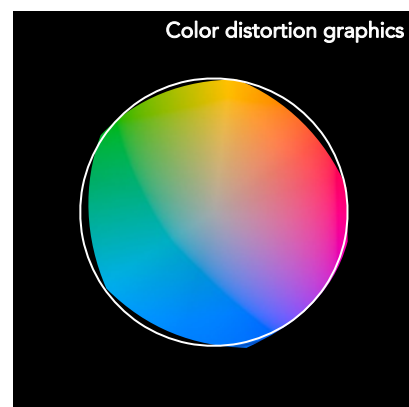
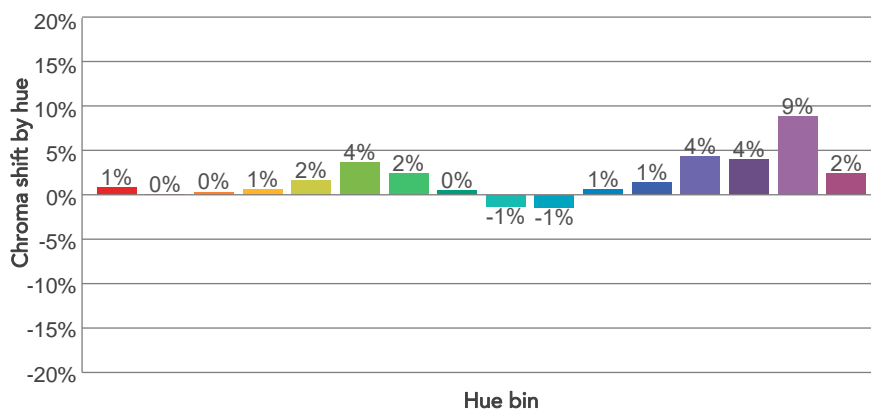
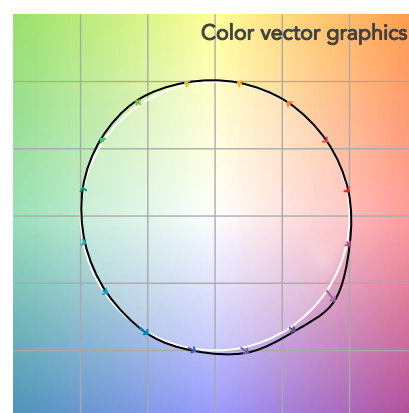
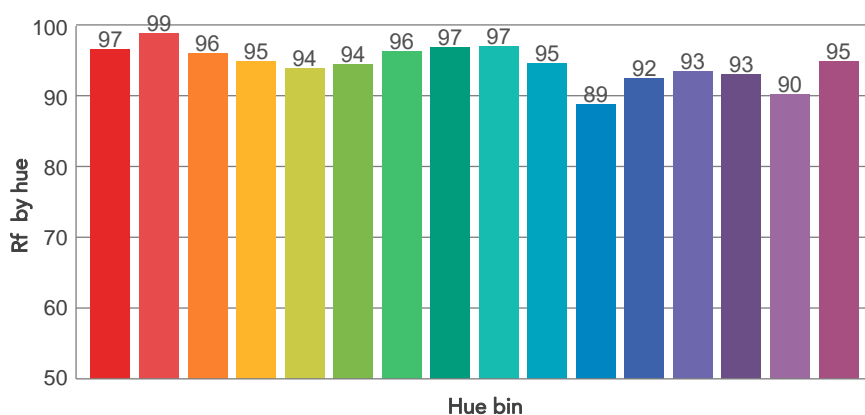
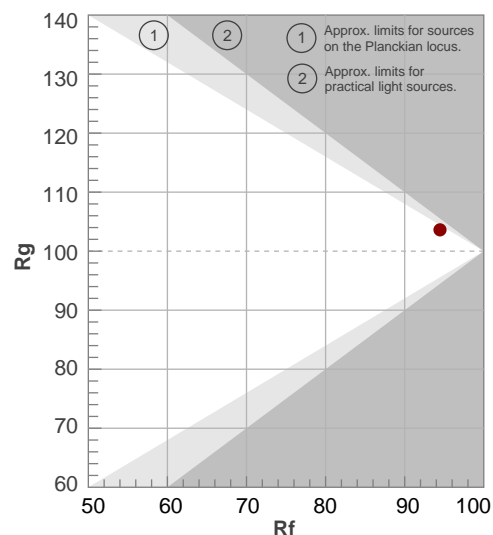
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5616 K	95,3	92,8	94,5	103,6	95,7	99	0,330	0,341	0,0022

TM30 DETAILS

Rf 94,5
Fidelity index Rf

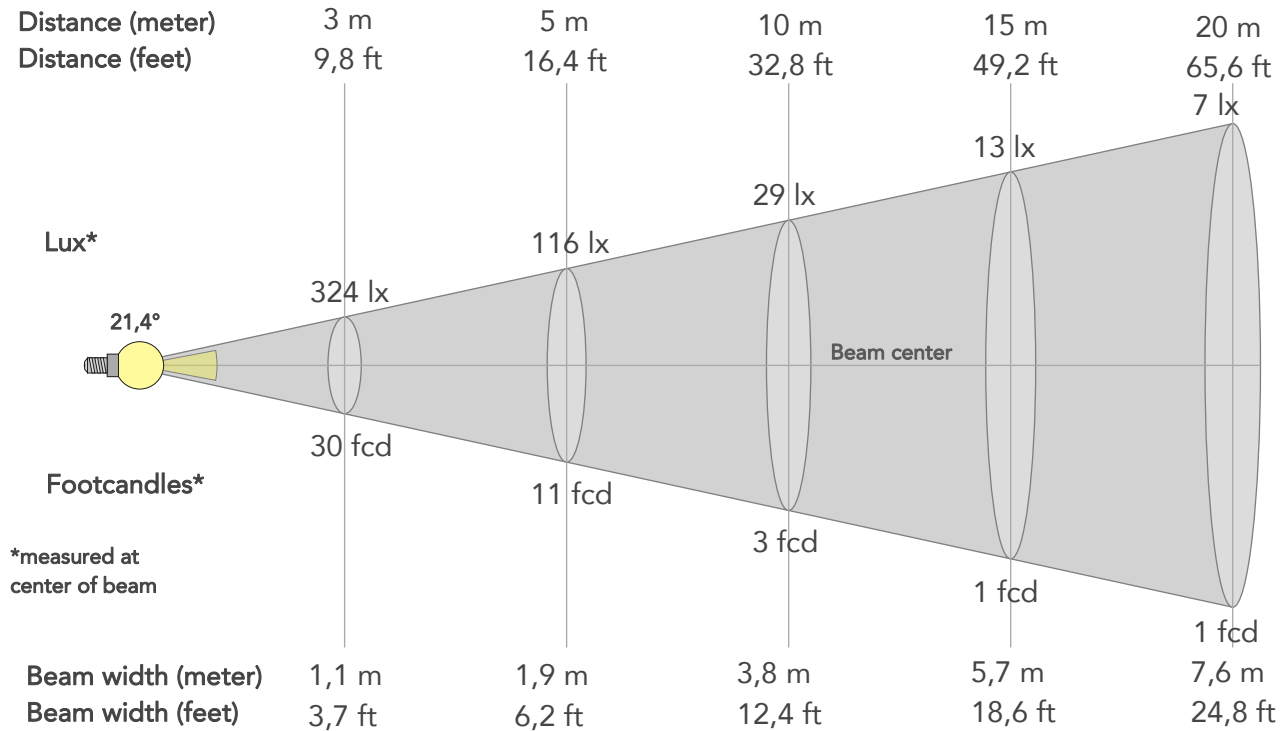
Rg 103,6
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	99	0%	0%
3	96	0%	2%
4	95	1%	3%
5	94	2%	2%
6	94	4%	1%
7	96	2%	-1%
8	97	0%	-1%
9	97	-1%	1%
10	95	-1%	3%
11	89	1%	7%
12	92	1%	5%
13	93	4%	4%
14	93	4%	2%
15	90	9%	-3%
16	95	2%	-2%



BEAM DETAILS

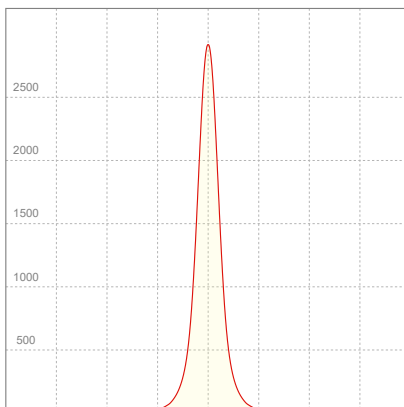
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,4°	44,6°	69,3°	97,6%	93,9%



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	2912lx	728lx	324lx	182lx	116lx	52lx	29lx	13lx	7lx	5lx	3lx	2lx	1lx
Footcand.	271fcd	68fcd	30fcd	17fcd	11fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,1m	1,5m	1,9m	2,8m	3,8m	5,7m	7,6m	9,5m	11,3m	15,1m	18,9m
Beam wid.	1,2ft	2,5ft	3,7ft	5ft	6,2ft	9,3ft	12,4ft	18,6ft	24,8ft	31ft	37,2ft	49,6ft	62ft

LINEAR DISTRIBUTION DIAGRAM

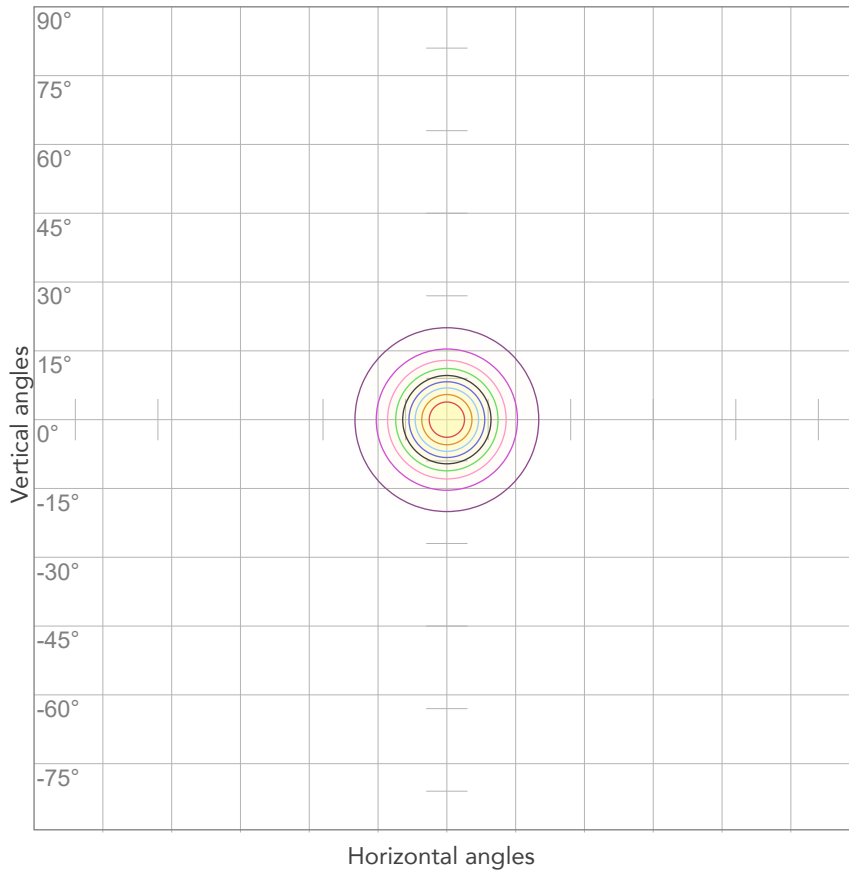


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,126A	25,8W	0,91	25lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



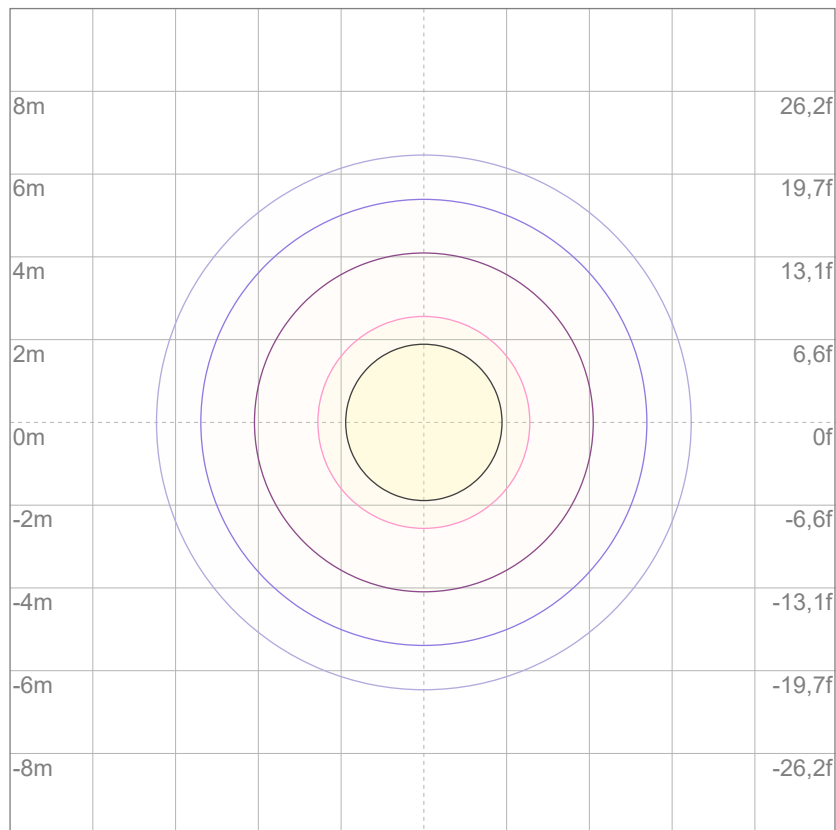
10%	291 cd
20%	582 cd
30%	874 cd
40%	1165 cd
50%	1456 cd
60%	1747 cd
70%	2039 cd
80%	2330 cd

Conditions:

Number of c-planes: 2

Candela at center: 2912 cd

ISO LUX DIAGRAM



3%	0,874 lx
5%	1,46 lx
10%	2,91 lx
30%	8,74 lx
50%	14,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 29,1 lx

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



Total lumen output:

593 lm

Peak candela output:

769 cd

Light quality:

CRI: 95,2

Color temperature:

5670 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 40° Filter

Target:

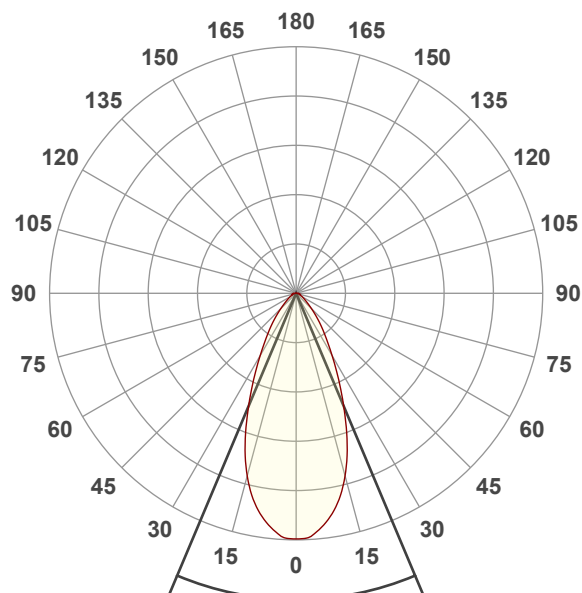
5600K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 16:50:50

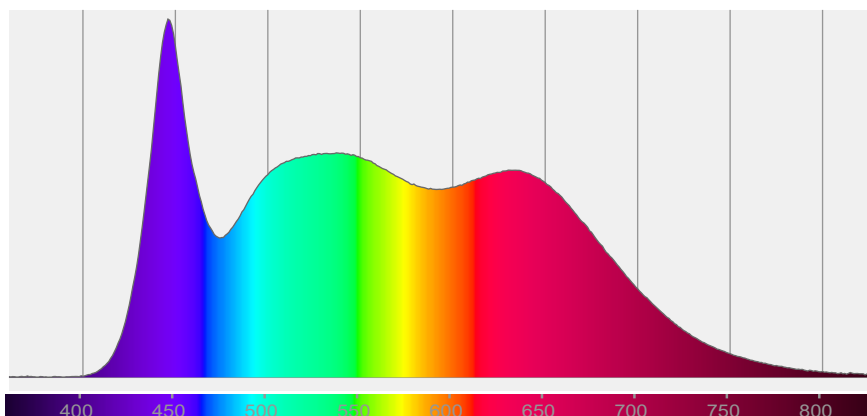


Beam angle 50%: 45,7°

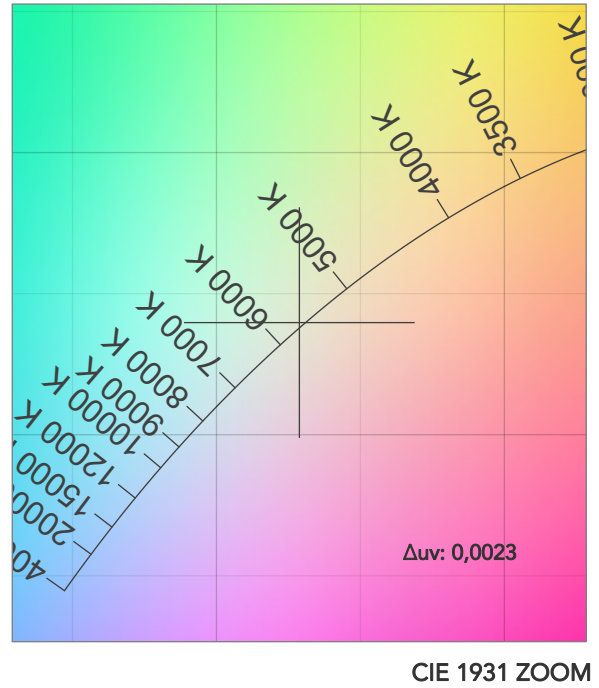
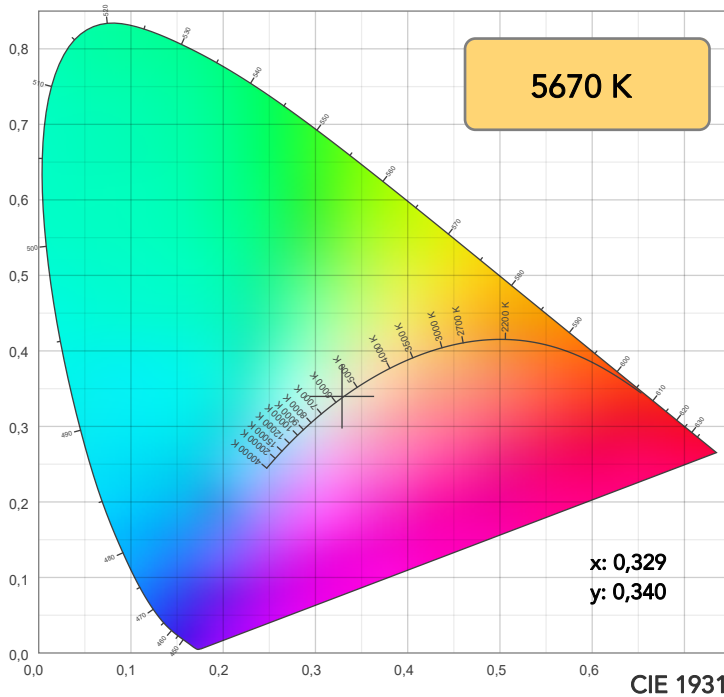
Field angle 10%: 87,4°

Cut off angle 2.5%: 124,8°

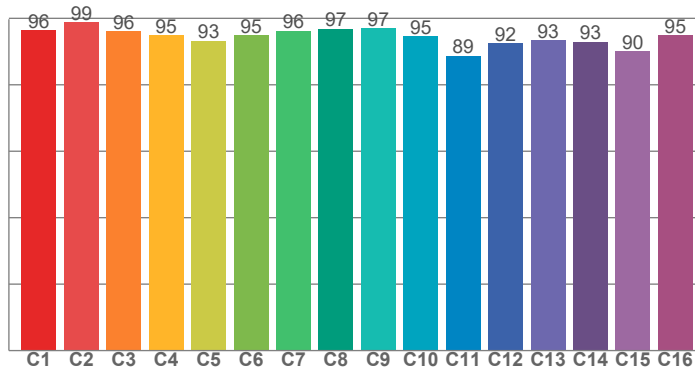
Spectra



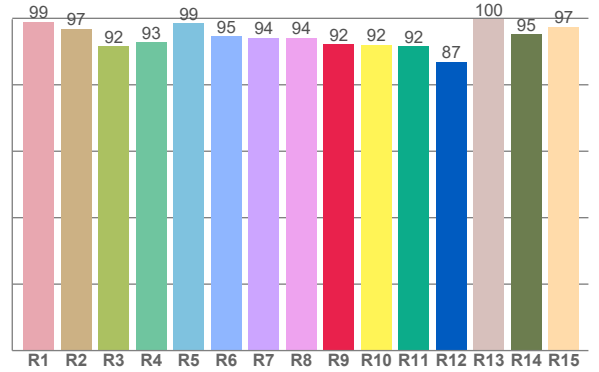
COLOR DETAILS



TM30: 94,4



CRI: 95,2 (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	96,9	91,7	92,8	98,6	94,6	94,1	94,2	92,3	92,0	91,6	86,9	99,6	95,1	97,5

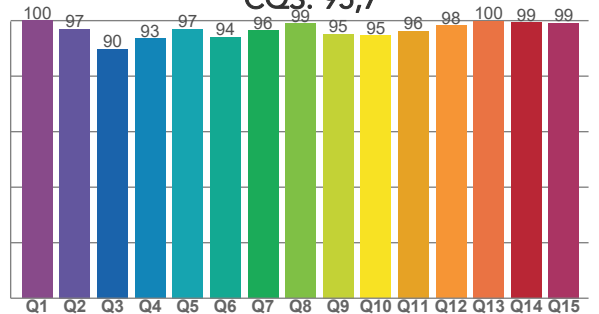
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,4	98,8	96,0	94,9	93,2	94,8	96,3	96,9	96,9	94,5	88,7	92,4	93,4	92,9	90,1	94,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
100,0	96,9	89,8	93,5	96,9	94,2	96,5	98,9	95,3	94,6	96,3	98,2	99,8	99,3	99,2

CQS: 95,7



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
5670 K	95,2	92,3	94,4	103,7	95,7	99	0,329	0,340	0,0023

TM30 DETAILS

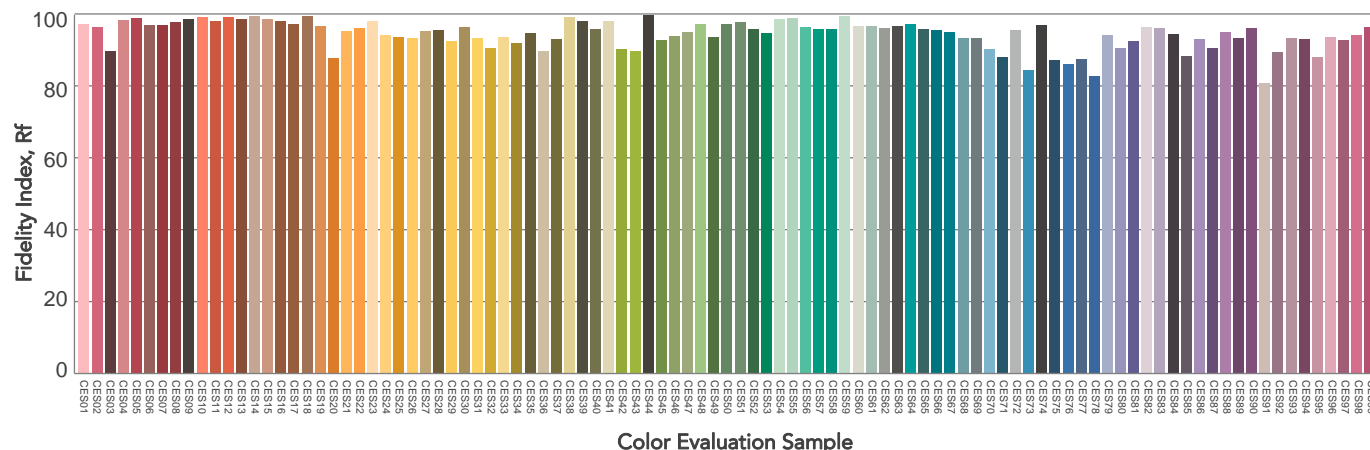
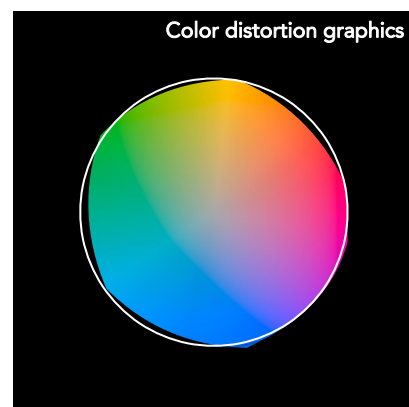
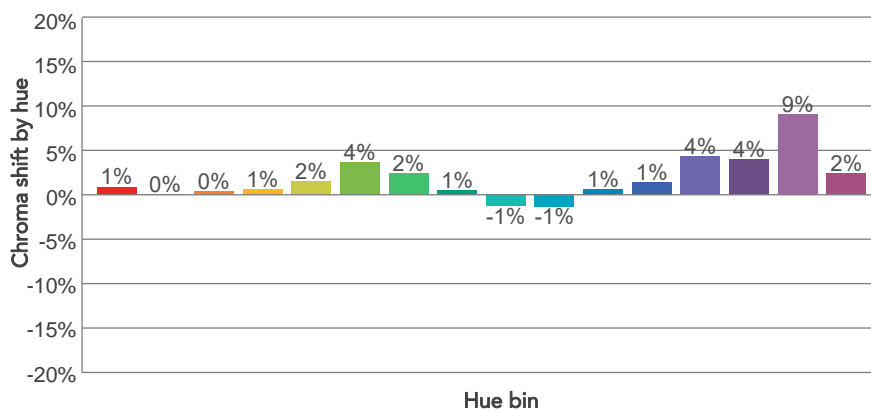
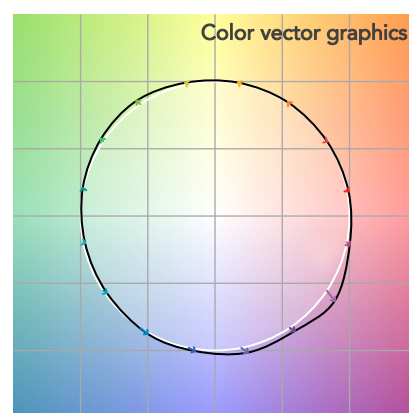
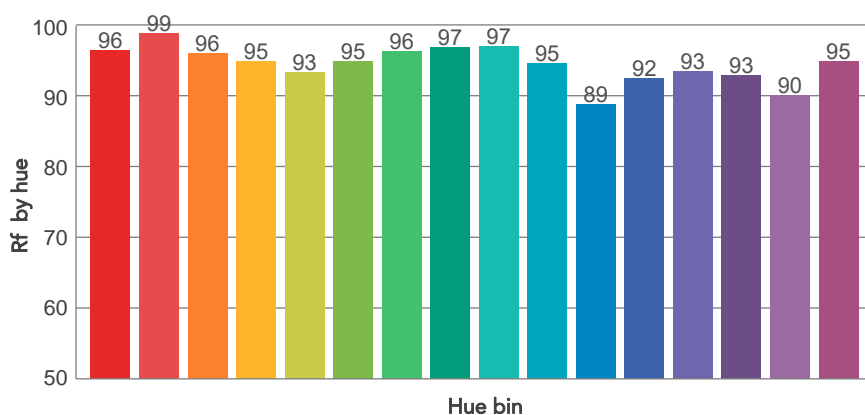
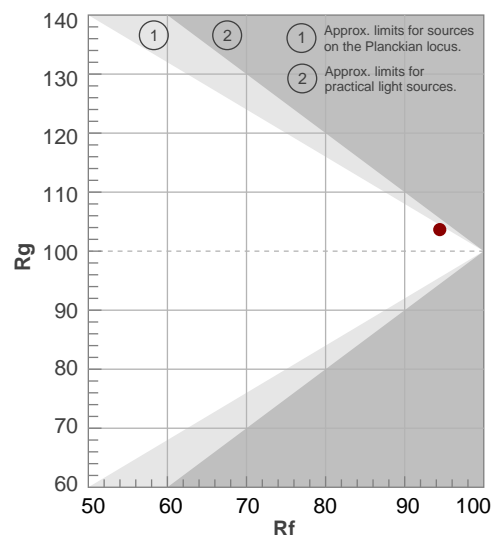
Rf 94,4

Fidelity index Rf

Rg 103,7

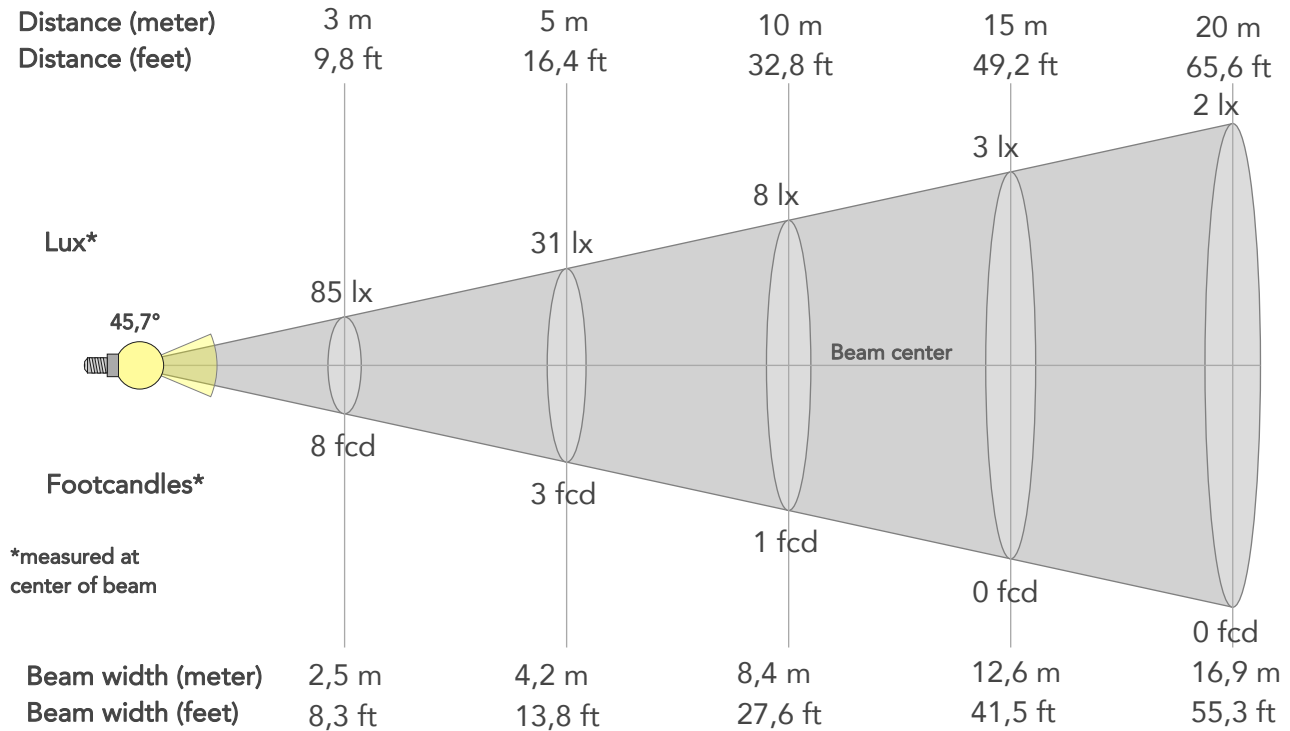
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-1%
2	99	0%	0%
3	96	0%	2%
4	95	1%	3%
5	93	2%	2%
6	95	4%	1%
7	96	2%	-1%
8	97	1%	-1%
9	97	-1%	1%
10	95	-1%	3%
11	89	1%	7%
12	92	1%	5%
13	93	4%	4%
14	93	4%	2%
15	90	9%	-3%
16	95	2%	-2%



BEAM DETAILS

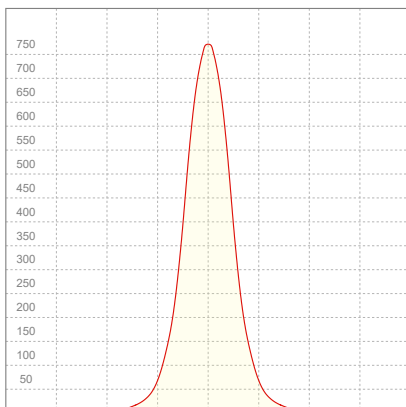
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,7°	87,4°	124,8°	95,3%	86,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	769lx	192lx	85lx	48lx	31lx	14lx	8lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	71fcd	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	16,9m	21,1m	25,3m	33,7m	42,1m
Beam wid.	2,8ft	5,6ft	8,3ft	11ft	13,8ft	20,7ft	27,6ft	41,5ft	55,3ft	69,1ft	82,9ft	110,6ft	138,2ft

LINEAR DISTRIBUTION DIAGRAM

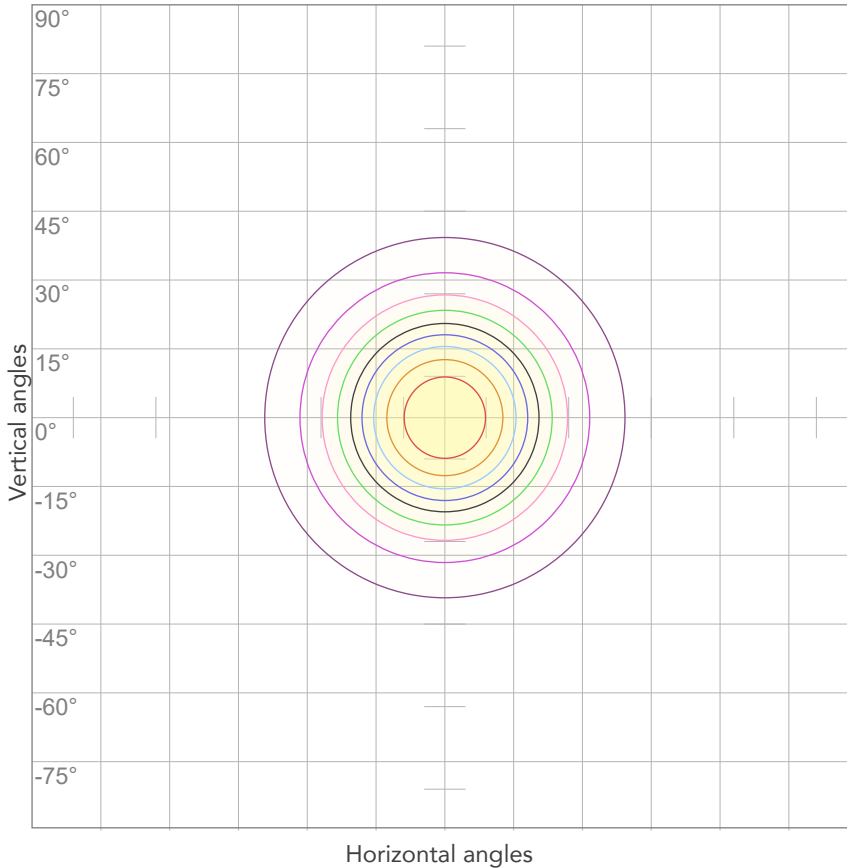


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,126A	25,8W	0,91	23lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



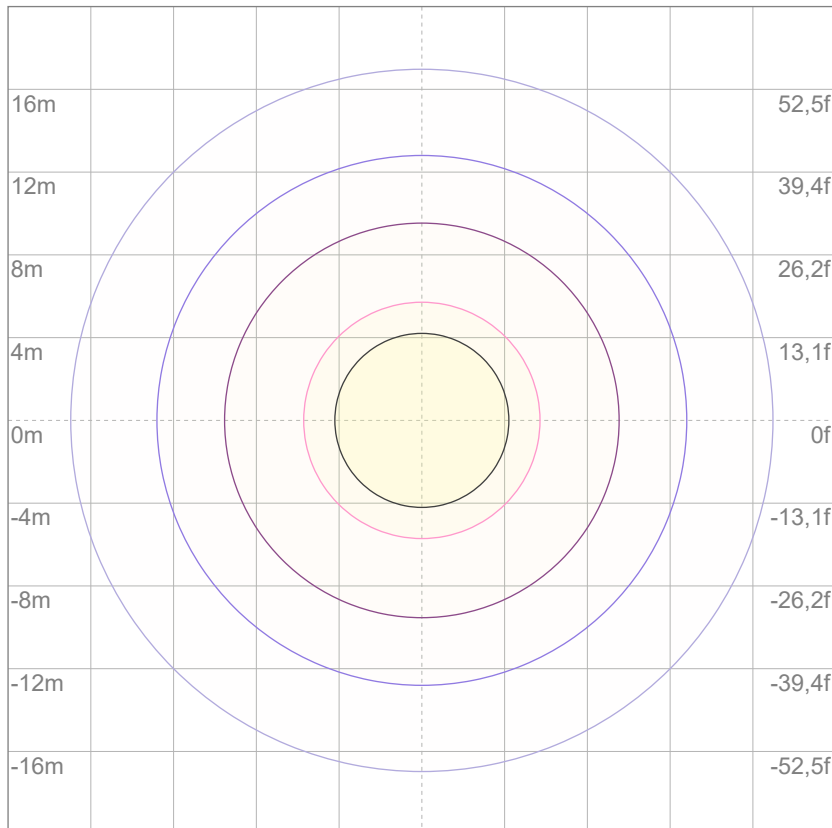
10%	77 cd
20%	154 cd
30%	231 cd
40%	308 cd
50%	385 cd
60%	462 cd
70%	538 cd
80%	615 cd

Conditions:

Number of c-planes: 2

Candela at center: 769 cd

ISO LUX DIAGRAM



3%	0,231 lx
5%	0,385 lx
10%	0,769 lx
30%	2,31 lx
50%	3,85 lx

Conditions:

Number of c-planes: 2

Lux at center: 7,69 lx

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



Total lumen output:

623 lm

Peak candela output:

613 cd

Light quality:

CRI: 95,3

Color temperature:

5663 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 60° Filter

Target:

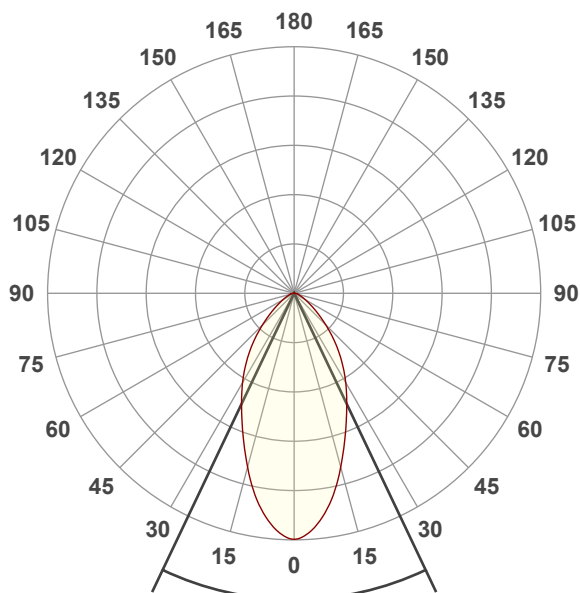
5600K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 16:58:05

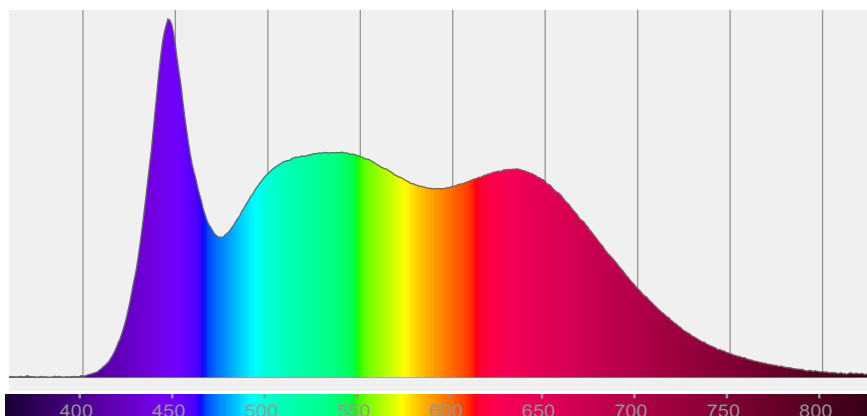


Beam angle 50%: 50,8°

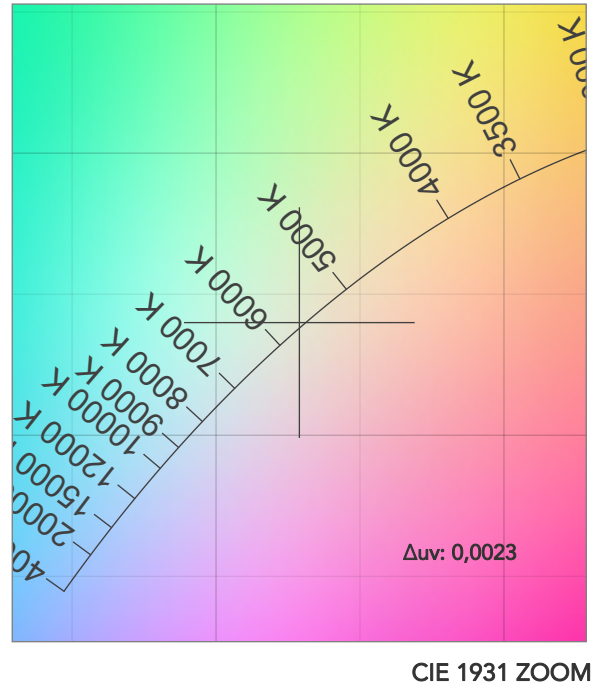
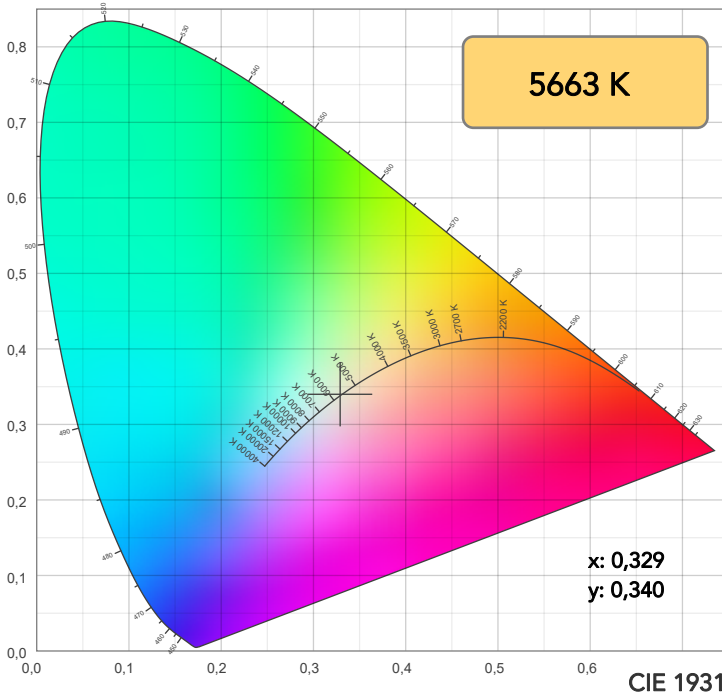
Field angle 10%: 105,2°

Cut off angle 2.5%: 139,2°

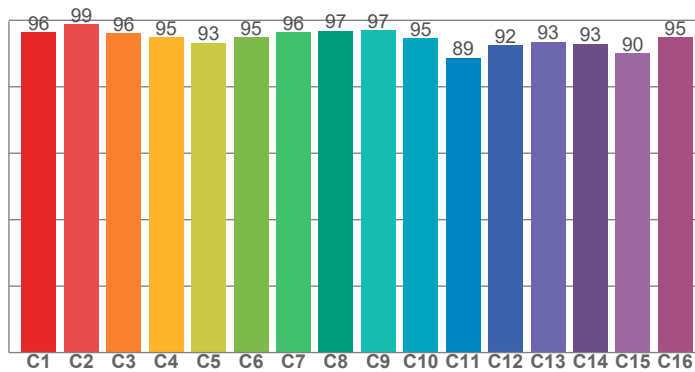
Spectra



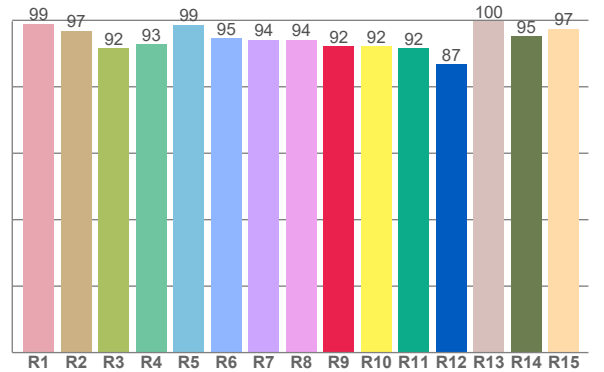
COLOR DETAILS



TM30: 94,5



CRI: 95,3 (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
99,0	96,9	91,7	92,8	98,6	94,6	94,2	94,2	92,2	92,1	91,6	86,9	99,7	95,2	97,4

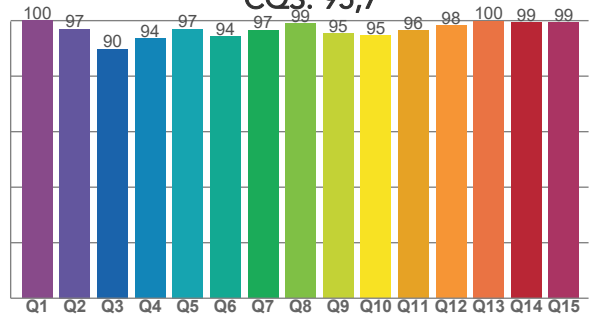
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,4	98,8	96,1	94,9	93,3	94,9	96,3	96,9	97,0	94,5	88,8	92,5	93,4	92,9	90,1	94,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
100,0	96,9	89,8	93,5	97,0	94,2	96,5	98,9	95,3	94,7	96,4	98,3	99,8	99,3	99,2

CQS: 95,7



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
5663 K	95,3	92,2	94,5	103,6	95,7	99	0,329	0,340	0,0023

TM30 DETAILS

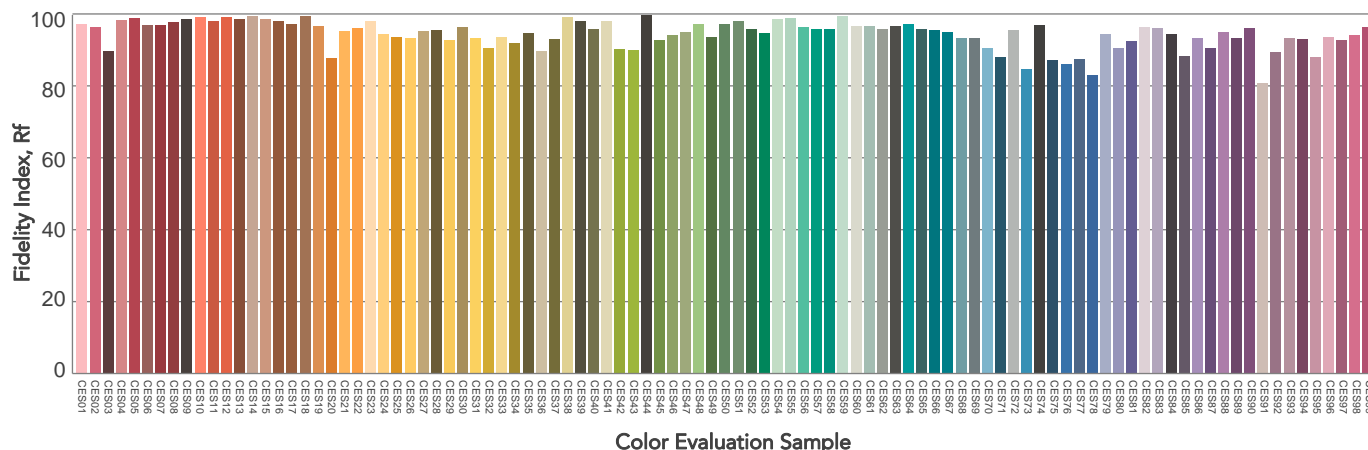
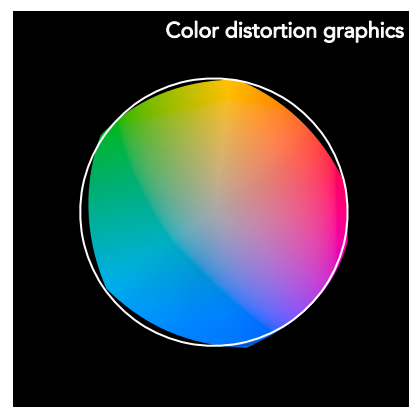
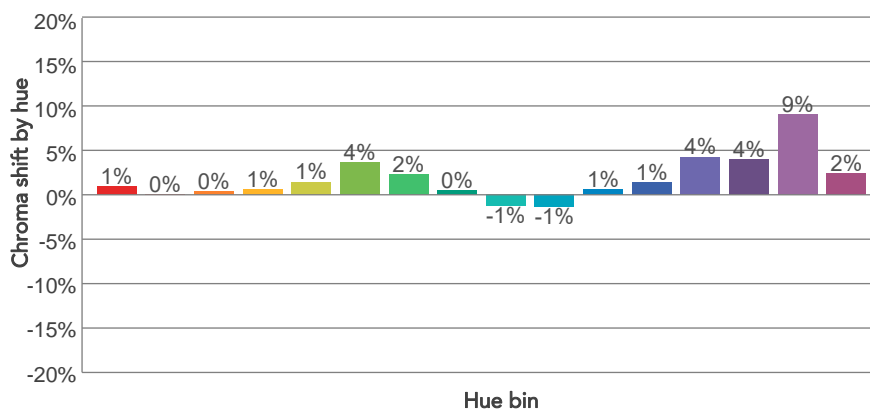
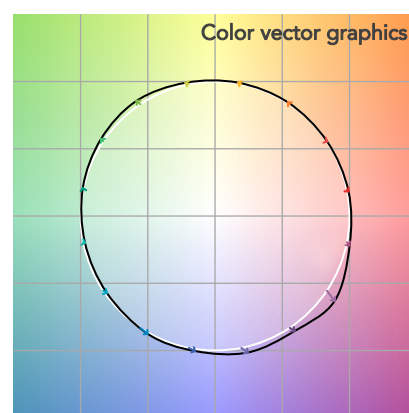
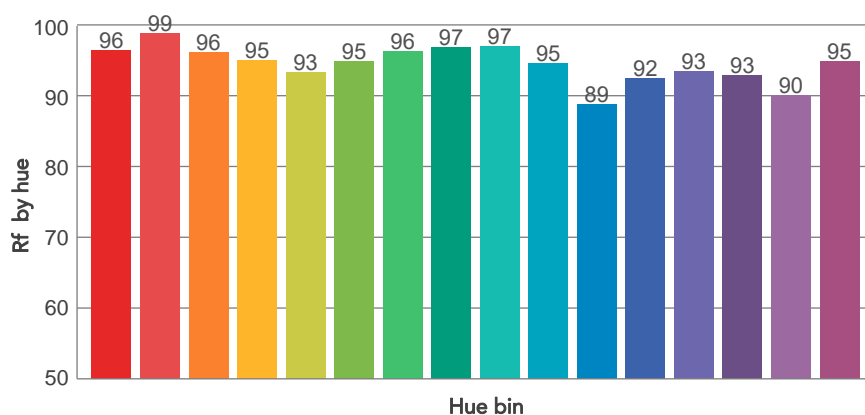
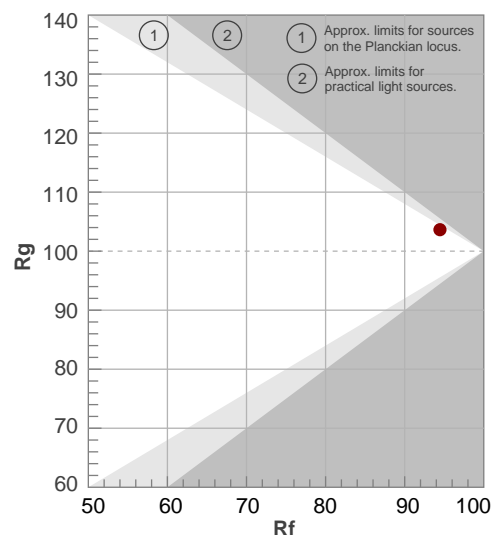
Rf 94,5

Fidelity index Rf

Rg 103,6

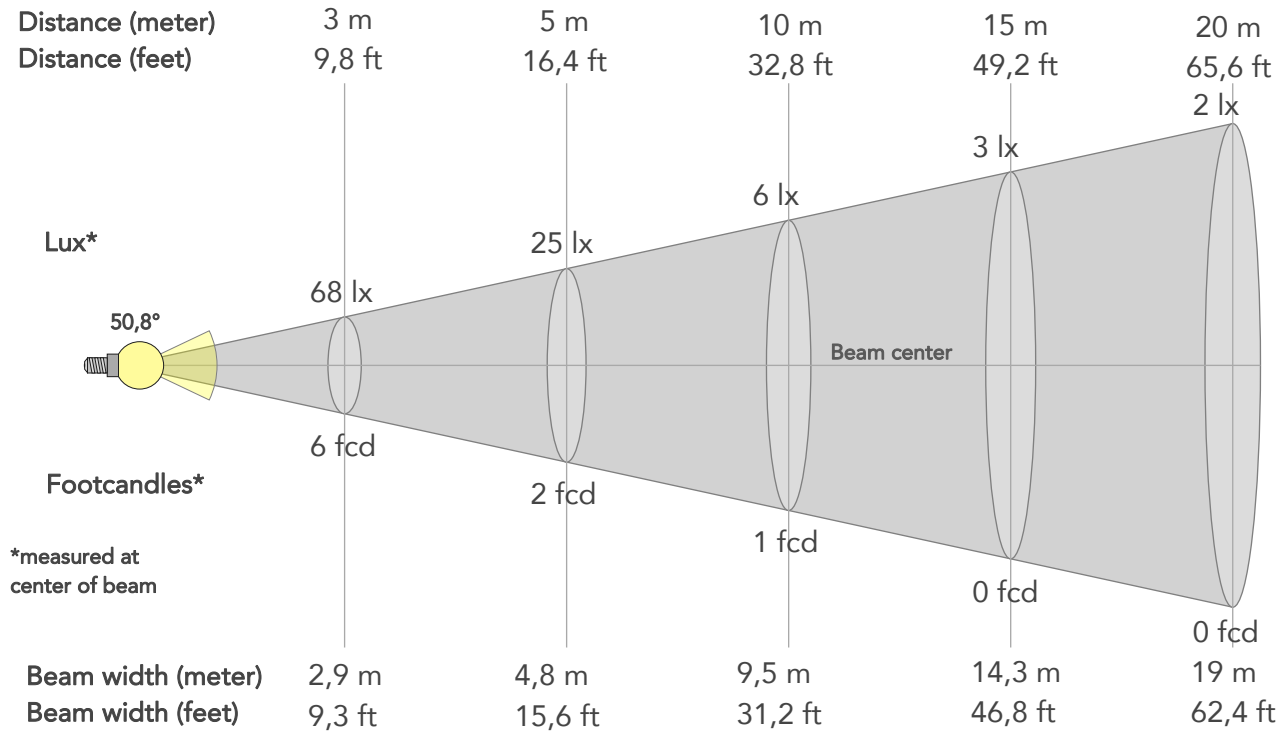
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-1%
2	99	0%	0%
3	96	0%	2%
4	95	1%	3%
5	93	1%	2%
6	95	4%	1%
7	96	2%	-1%
8	97	0%	-1%
9	97	-1%	1%
10	95	-1%	3%
11	89	1%	7%
12	92	1%	5%
13	93	4%	4%
14	93	4%	2%
15	90	9%	-3%
16	95	2%	-2%



BEAM DETAILS

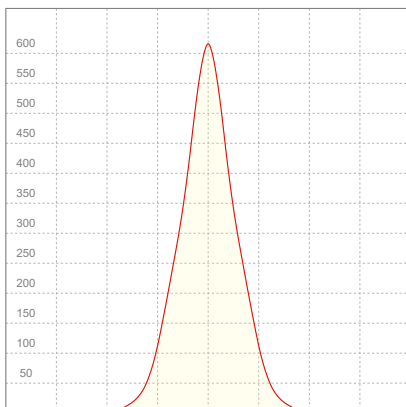
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
50,8°	105,2°	139,2°	94,0%	80,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	613lx	153lx	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.	1m	1,9m	2,9m	3,8m	4,8m	7,1m	9,5m	14,3m	19m	23,8m	28,5m	38m	47,5m
Beam wid.	3,1ft	6,3ft	9,3ft	12,5ft	15,6ft	23,4ft	31,2ft	46,8ft	62,4ft	78ft	93,5ft	124,7ft	155,9ft

LINEAR DISTRIBUTION DIAGRAM

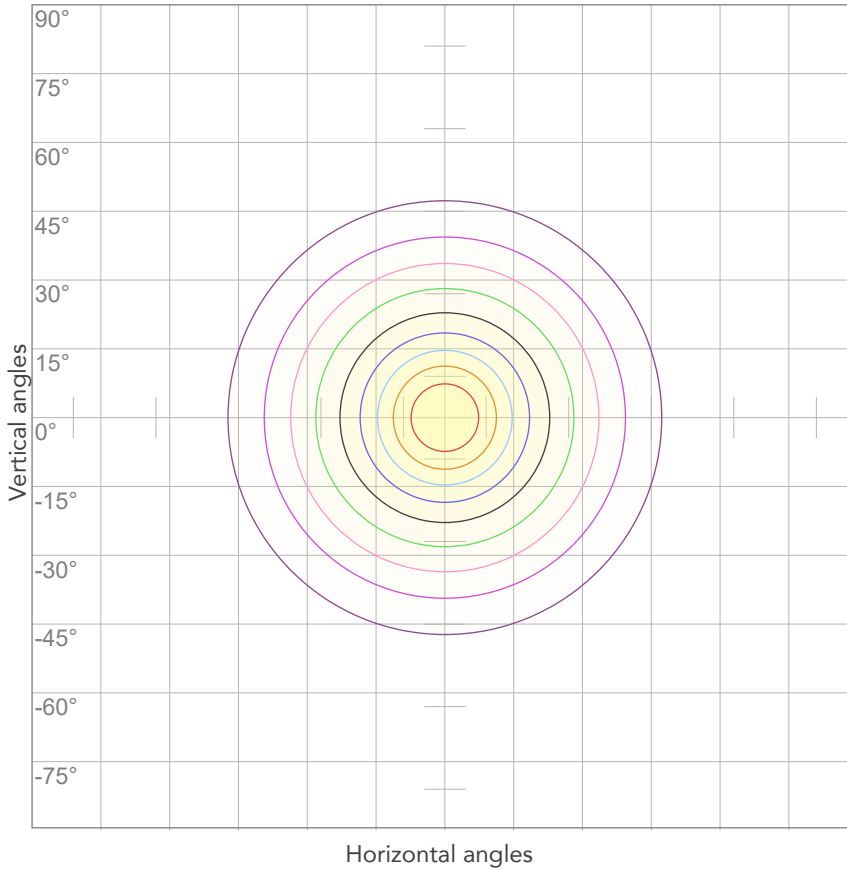


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,126A	25,8W	0,91	24lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



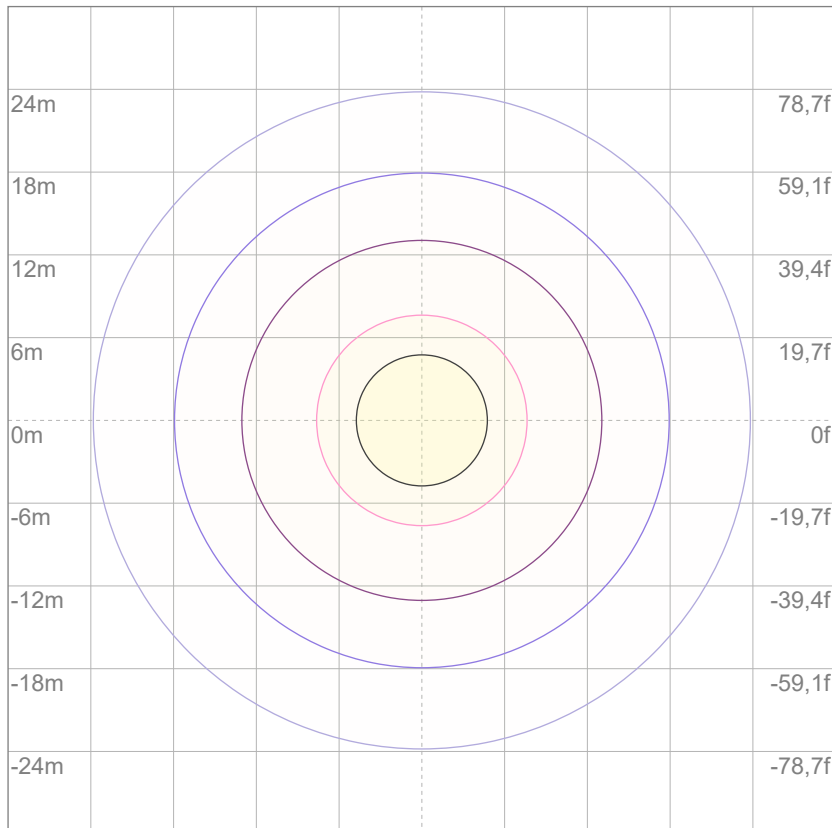
10%	61 cd
20%	123 cd
30%	184 cd
40%	245 cd
50%	307 cd
60%	368 cd
70%	429 cd
80%	491 cd

Conditions:

Number of c-planes: 2

Candela at center: 613 cd

ISO LUX DIAGRAM



3%	0,184 lx
5%	0,307 lx
10%	0,613 lx
30%	1,84 lx
50%	3,07 lx

Conditions:

Number of c-planes: 2

Lux at center: 6,13 lx

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



Total lumen output:

1045 lm

Peak candela output:

2320 cd

Light quality:

CRI: 95,6

Color temperature:

5616 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 10°x 60° Filter

Target:

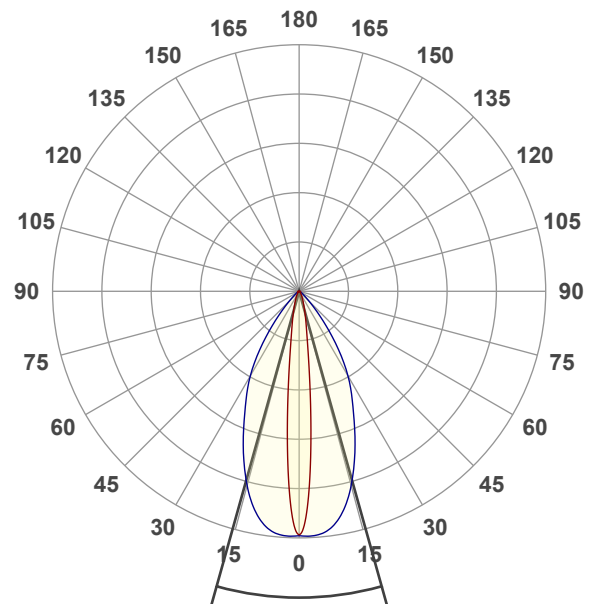
5600K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 17:39:32

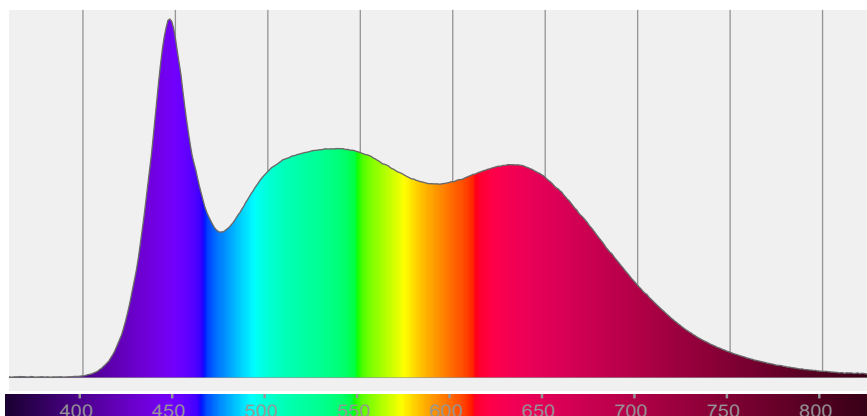


Beam angle 50%: 31,3°

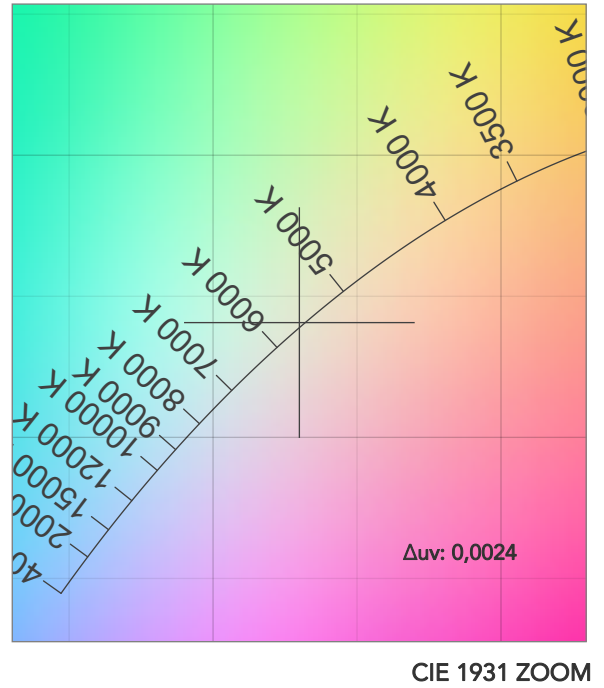
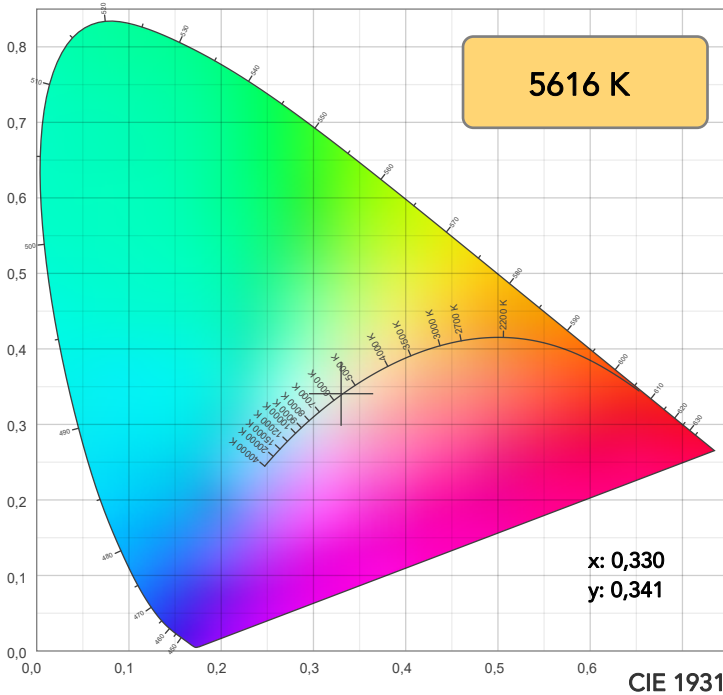
Field angle 10%: 56,2°

Cut off angle 2.5%: 77,9°

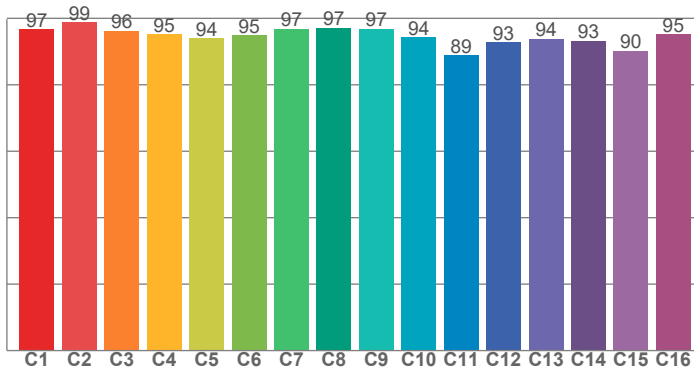
Spectra



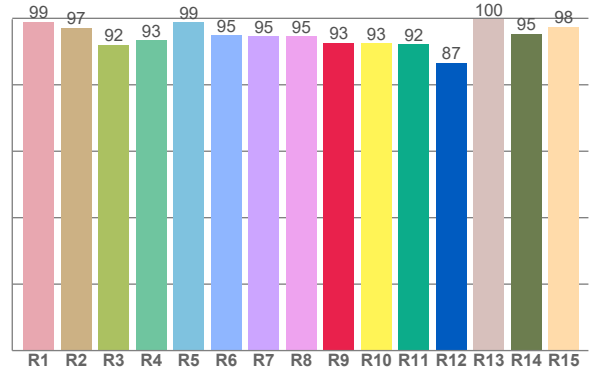
COLOR DETAILS



TM30: 94,6



CRI: 95,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,9	97,1	92,1	93,4	98,9	94,8	94,7	94,7	92,7	92,6	92,2	86,6	99,7	95,4	97,5

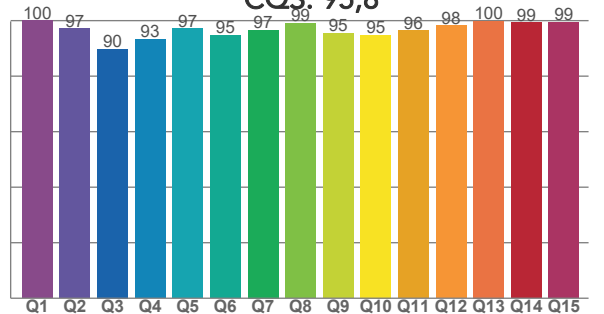
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,6	98,8	96,1	95,2	94,0	94,9	96,8	97,1	96,9	94,3	88,8	92,8	93,7	93,3	90,2	95,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
100,0	97,2	89,8	93,3	97,2	94,7	96,6	99,0	95,5	94,8	96,4	98,2	99,8	99,3	99,4

CQS: 95,8



COLOR PARAMETERS

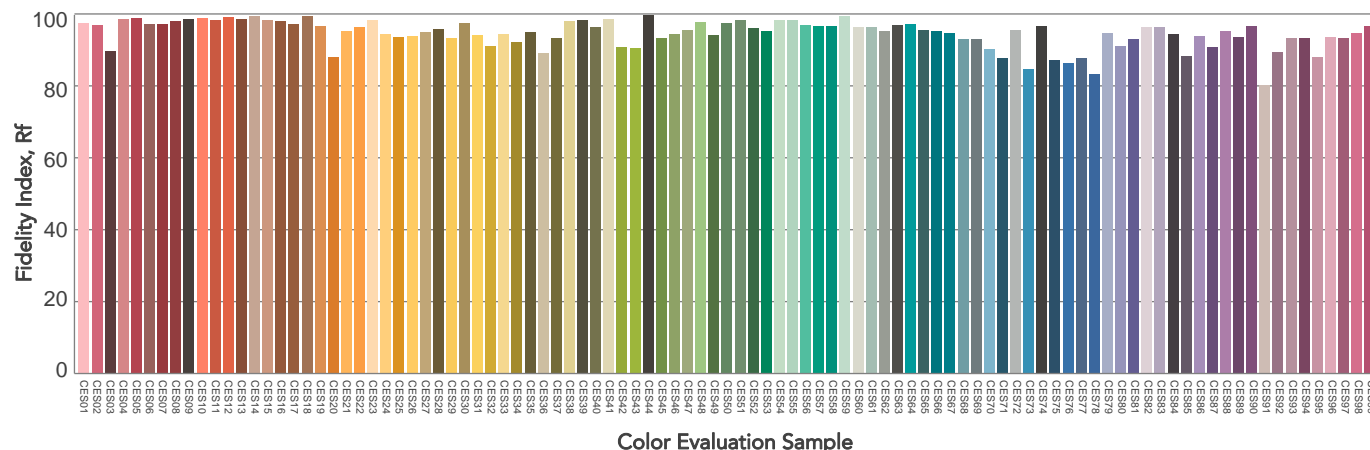
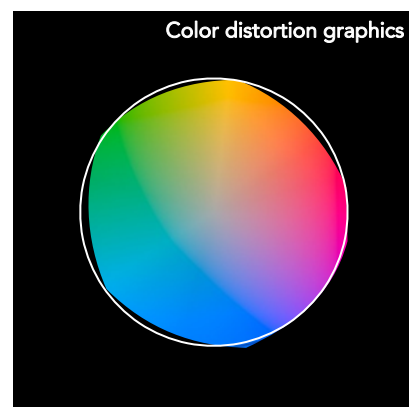
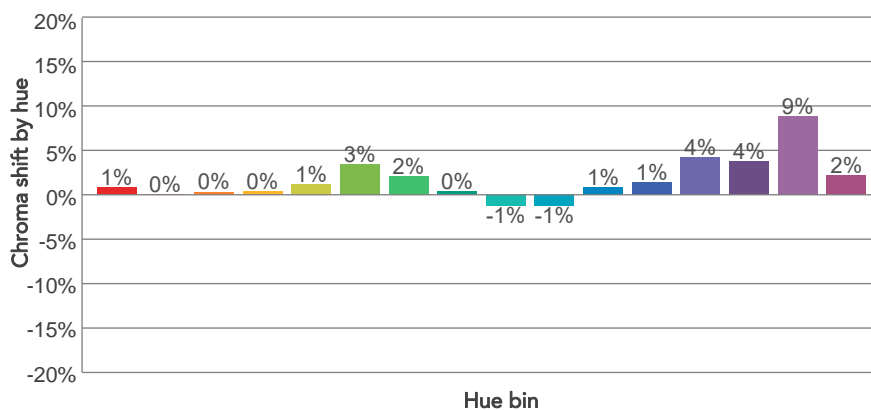
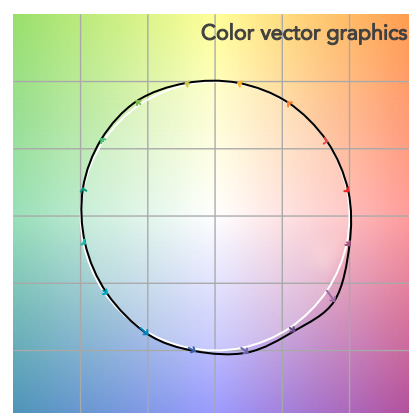
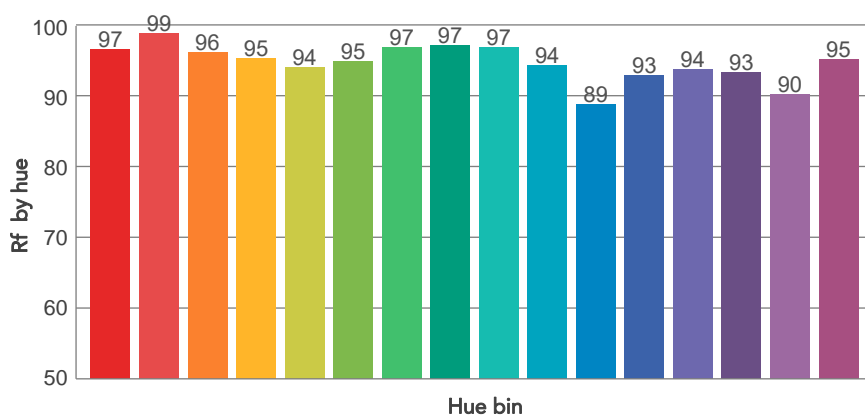
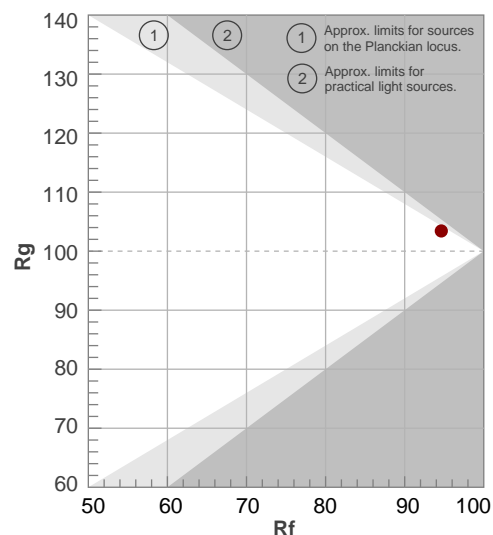
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5616 K	95,6	92,7	94,6	103,4	95,8	99	0,330	0,341	0,0024

TM30 DETAILS

Rf 94,6
Fidelity index Rf

Rg 103,4
Gammut index

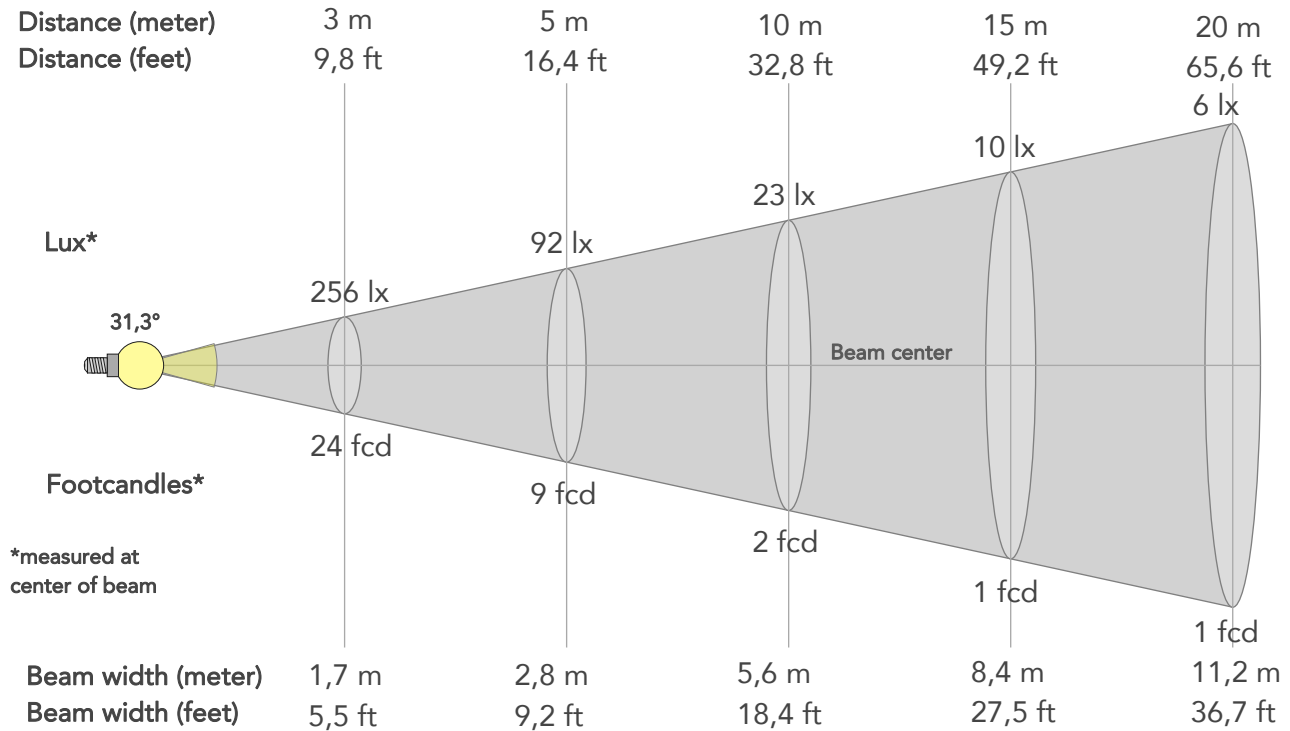
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	99	0%	0%
3	96	0%	2%
4	95	0%	2%
5	94	1%	2%
6	95	3%	1%
7	97	2%	-1%
8	97	0%	-1%
9	97	-1%	1%
10	94	-1%	3%
11	89	1%	7%
12	93	1%	5%
13	94	4%	4%
14	93	4%	2%
15	90	9%	-3%
16	95	2%	-2%



BEAM DETAILS



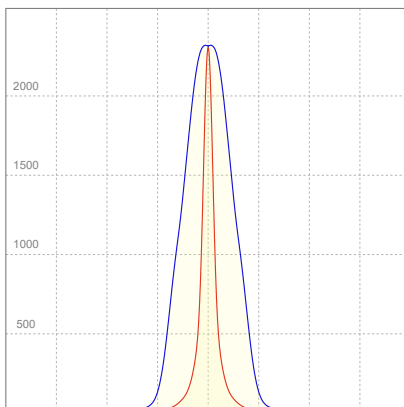
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
31,3°	56,2°	77,9°	97,8%	93,7%



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	2308lx	577lx	256lx	144lx	92lx	41lx	23lx	10lx	6lx	4lx	3lx	1lx	1lx
Footcand.	214fcd	54fcd	24fcd	13fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,1m	1,7m	2,2m	2,8m	4,2m	5,6m	8,4m	11,2m	14m	16,8m	22,4m	28m
Beam wid.	1,8ft	3,7ft	5,5ft	7,3ft	9,2ft	13,8ft	18,4ft	27,5ft	36,7ft	45,9ft	55,1ft	73,4ft	91,8ft

LINEAR DISTRIBUTION DIAGRAM

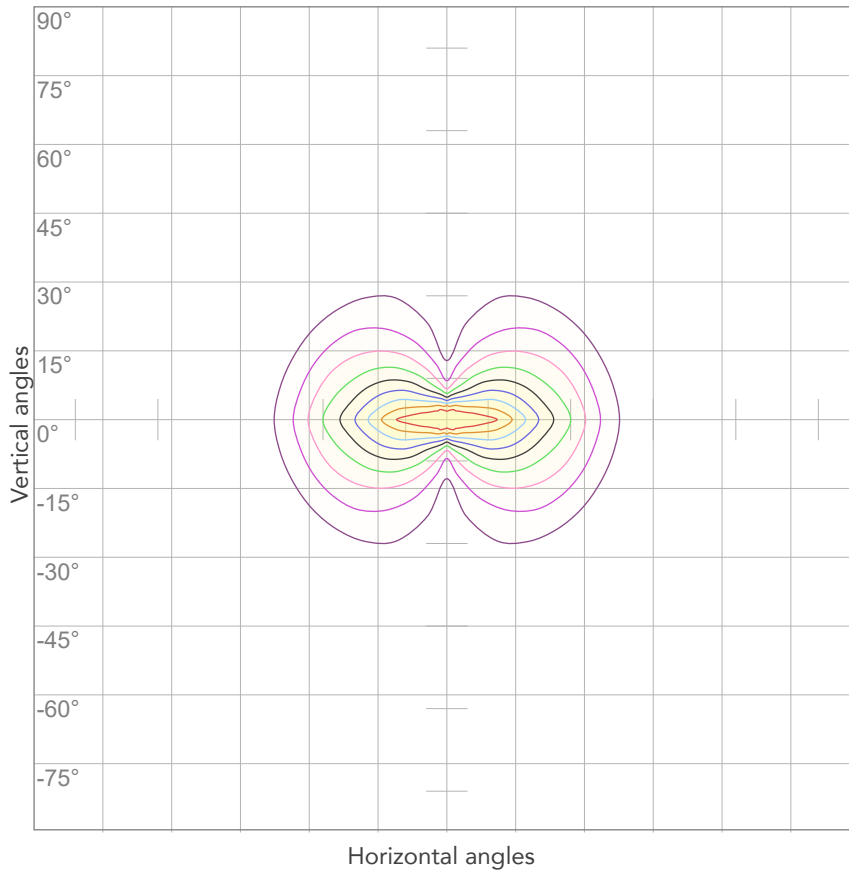


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,127A	25,5W	0,89	41lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



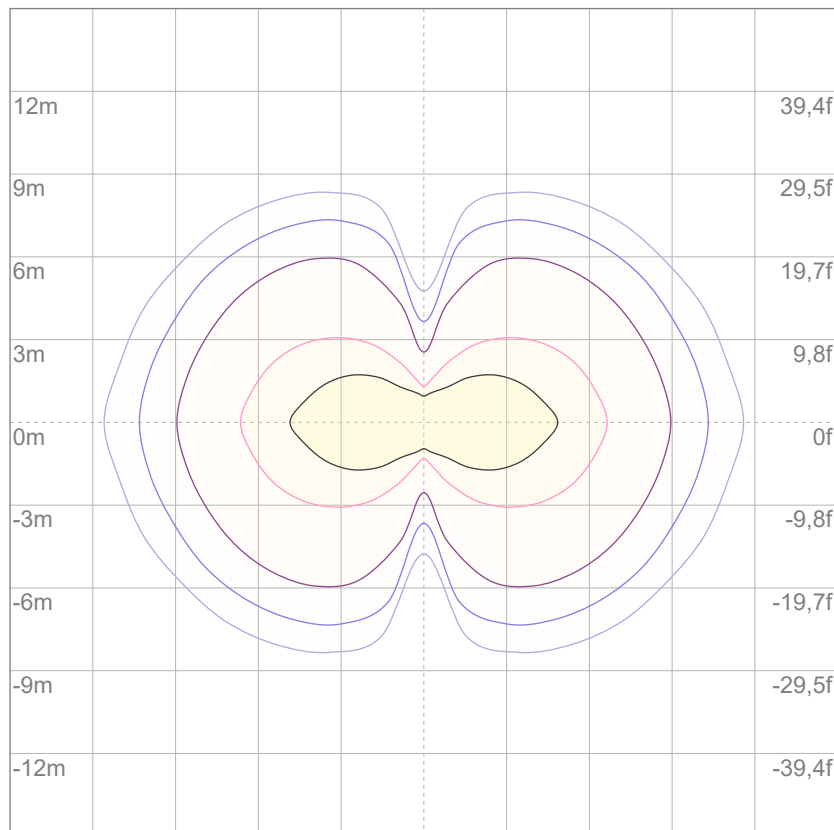
10%	231 cd
20%	462 cd
30%	692 cd
40%	923 cd
50%	1154 cd
60%	1385 cd
70%	1616 cd
80%	1846 cd

Conditions:

Number of c-planes: 4

Candela at center: 2308 cd

ISO LUX DIAGRAM



3%	0,692 lx
5%	1,15 lx
10%	2,31 lx
30%	6,92 lx
50%	11,5 lx

Conditions:

Number of c-planes: 4

Lux at center: 23,1 lx

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



Total lumen output:

669 lm

Peak candela output:

1013 cd

Light quality:

CRI: 95,4

Color temperature:

5629 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 30°x 60° Filter

Target:

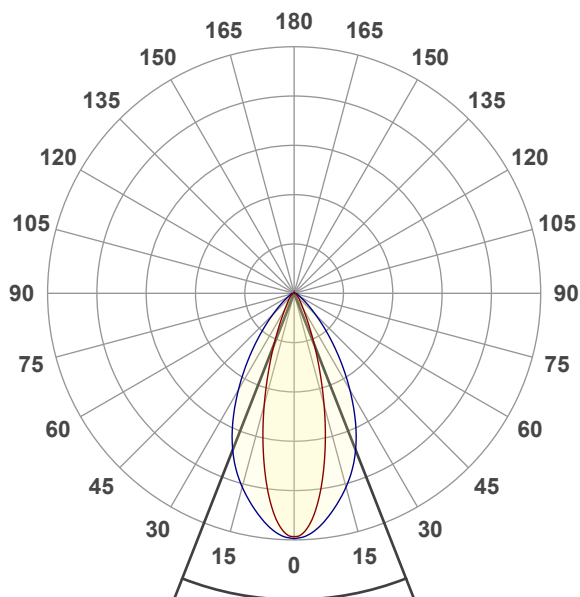
5600K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 17:57:37

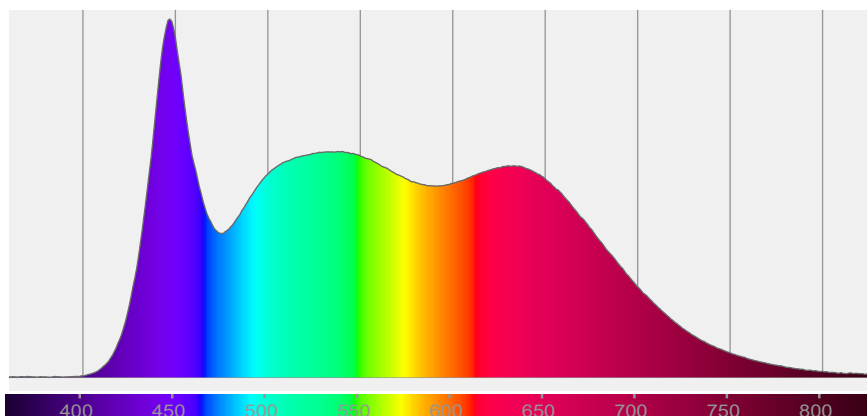


Beam angle 50%: 42,8°

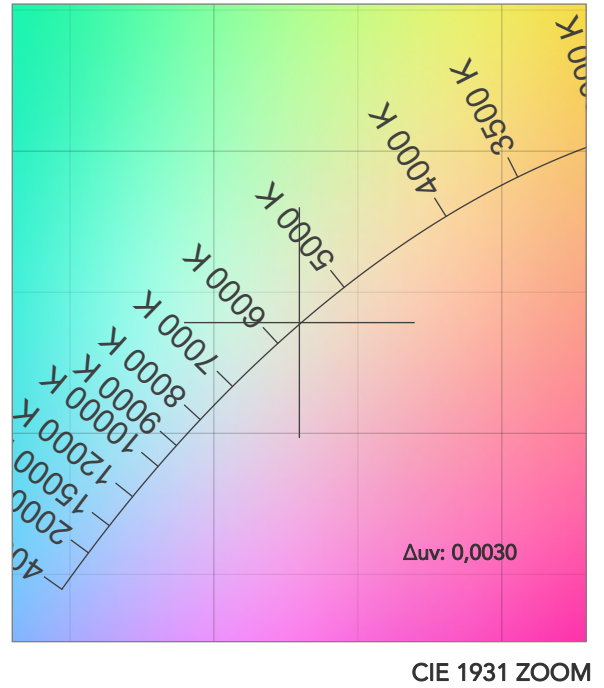
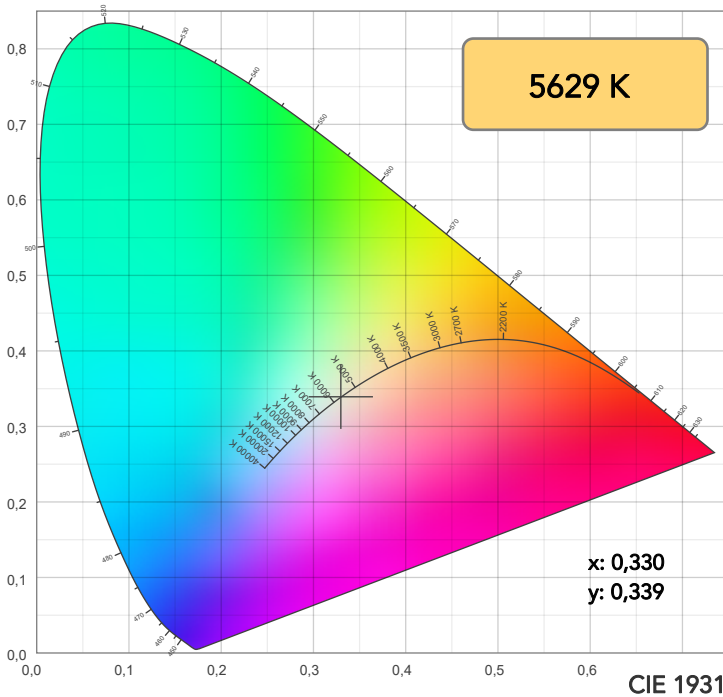
Field angle 10%: 74,8°

Cut off angle 2.5%: 106,3°

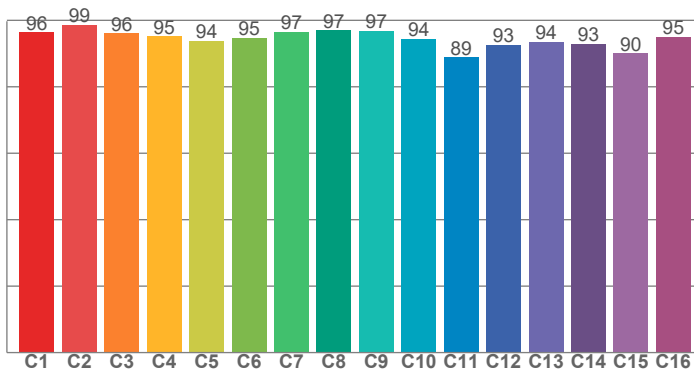
Spectra



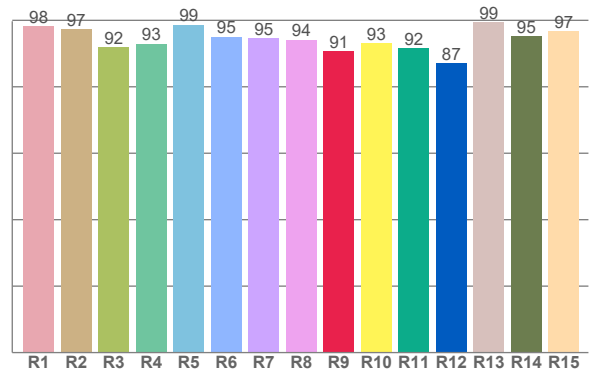
COLOR DETAILS



TM30: 94,5



CRI: 95,4 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,3	97,4	92,0	93,0	98,7	95,0	94,5	94,1	90,7	93,1	91,6	87,1	99,3	95,3	96,7

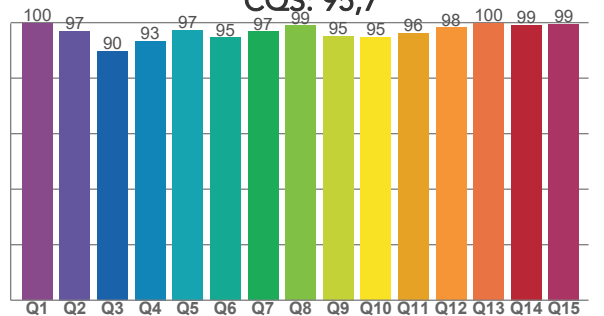
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,4	98,7	96,1	95,1	93,9	94,7	96,5	97,0	96,9	94,4	88,8	92,7	93,5	93,0	90,0	95,0

CQS Q values

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

CQS: 95,7



COLOR PARAMETERS

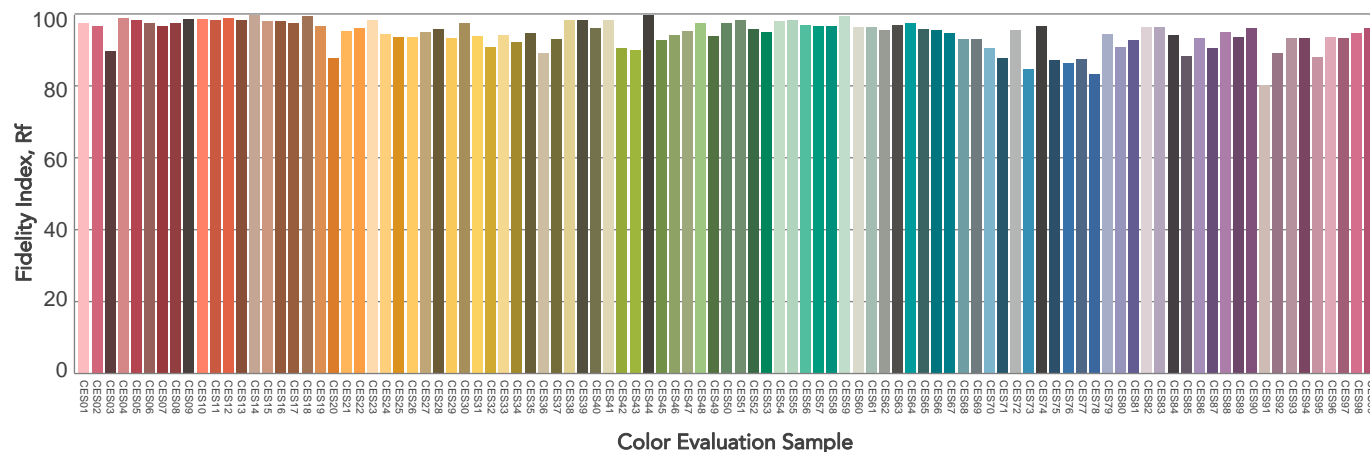
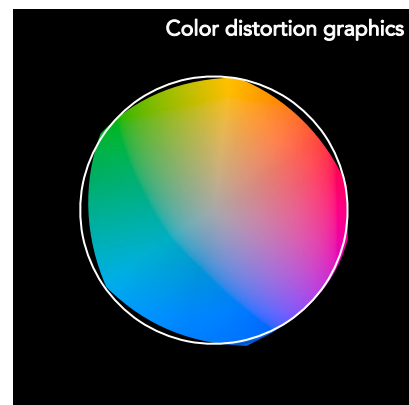
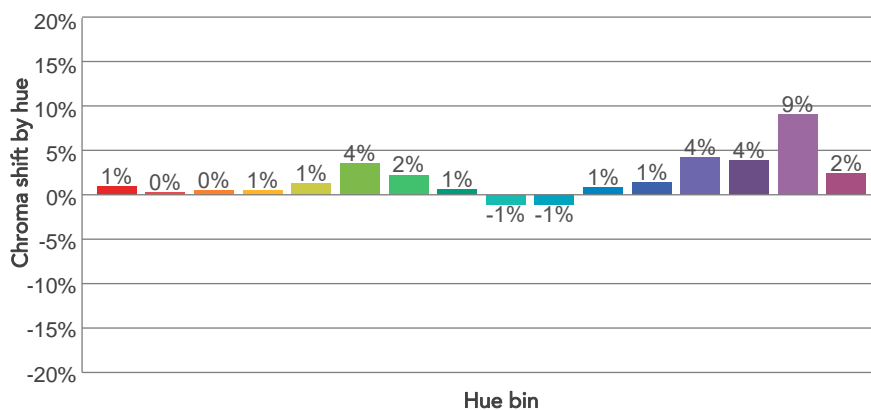
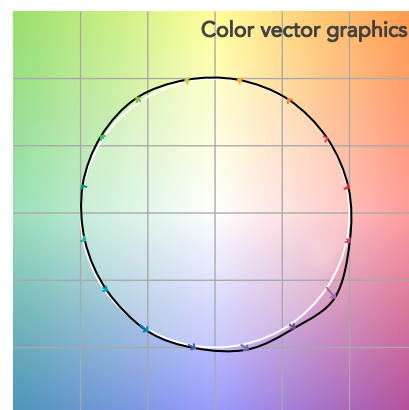
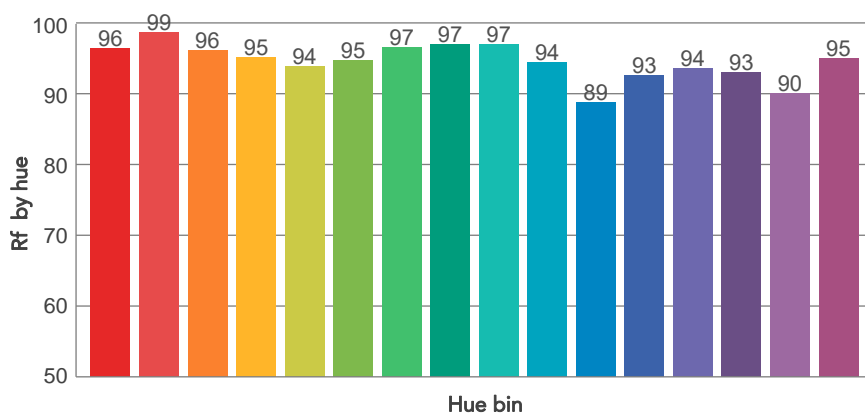
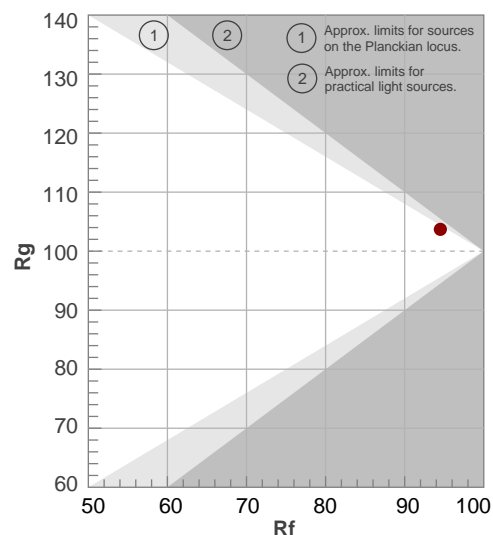
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5629 K	95,4	90,7	94,5	103,7	95,7	99	0,330	0,339	0,0030

TM30 DETAILS

Rf 94,5
Fidelity index Rf

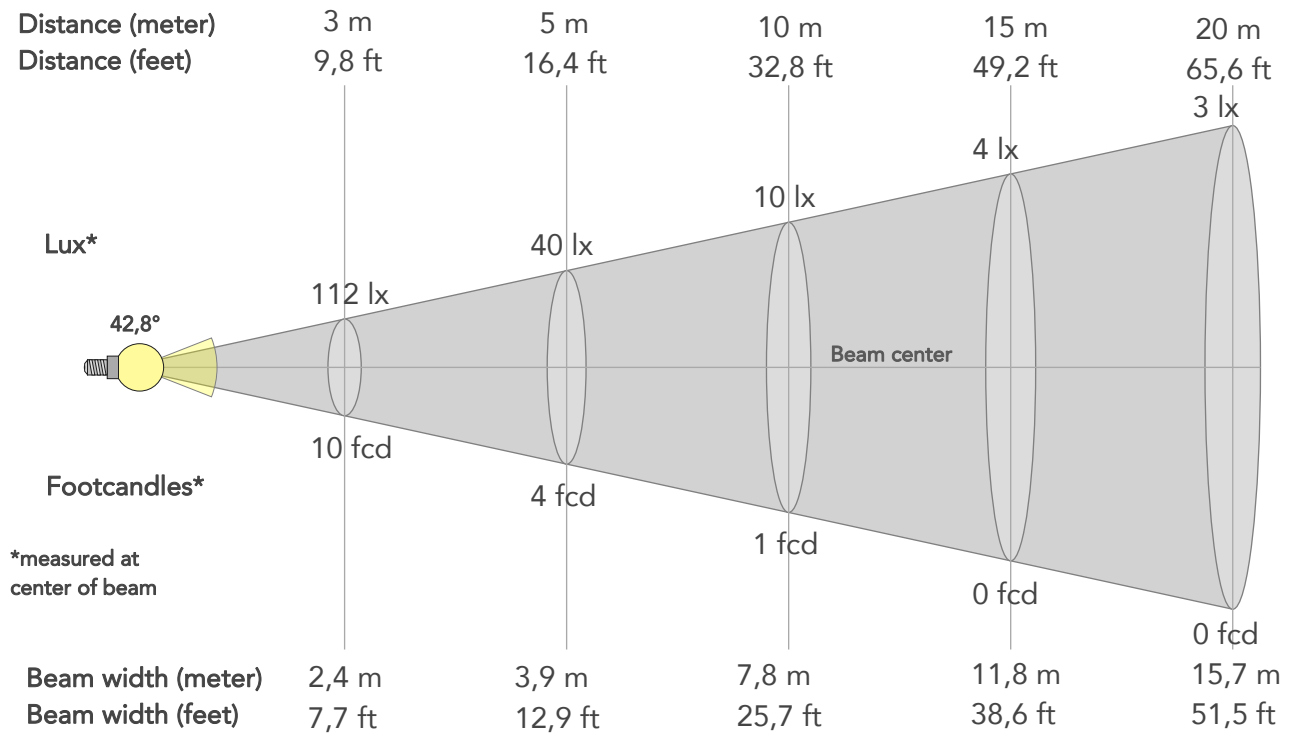
Rg 103,7
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-1%
2	99	0%	0%
3	96	0%	2%
4	95	1%	2%
5	94	1%	2%
6	95	4%	1%
7	97	2%	0%
8	97	1%	-1%
9	97	-1%	1%
10	94	-1%	3%
11	89	1%	7%
12	93	1%	5%
13	94	4%	4%
14	93	4%	2%
15	90	9%	-3%
16	95	2%	-2%



BEAM DETAILS

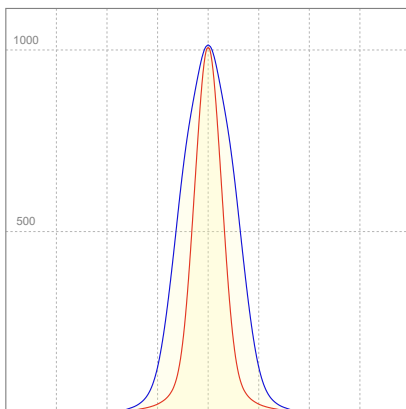
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
42,8°	74,8°	106,3°	96,1%	88,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1009lx	252lx	112lx	63lx	40lx	18lx	10lx	4lx	3lx	2lx	1lx	1lx	0lx
Footcand.	94fcd	23fcd	10fcd	6fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,1m	3,9m	5,9m	7,8m	11,8m	15,7m	19,6m	23,5m	31,4m	39,2m
Beam wid.	2,6ft	5,2ft	7,7ft	10,3ft	12,9ft	19,3ft	25,7ft	38,6ft	51,5ft	64,3ft	77,2ft	103ft	128,7ft

LINEAR DISTRIBUTION DIAGRAM

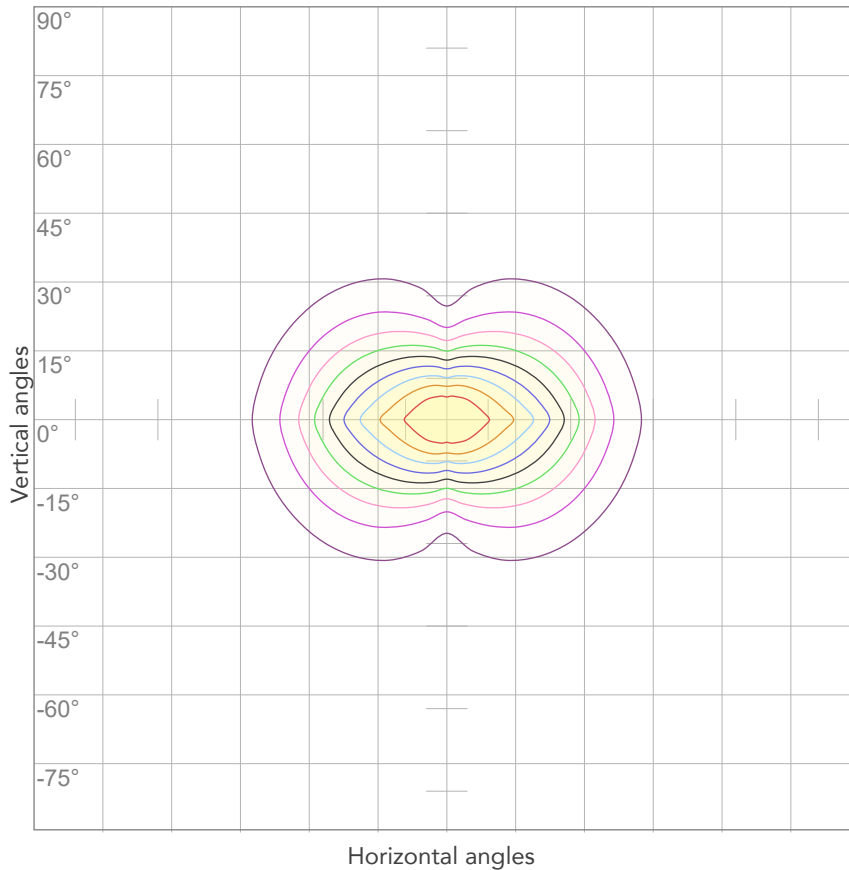


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,126A	25,3W	0,9	26lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



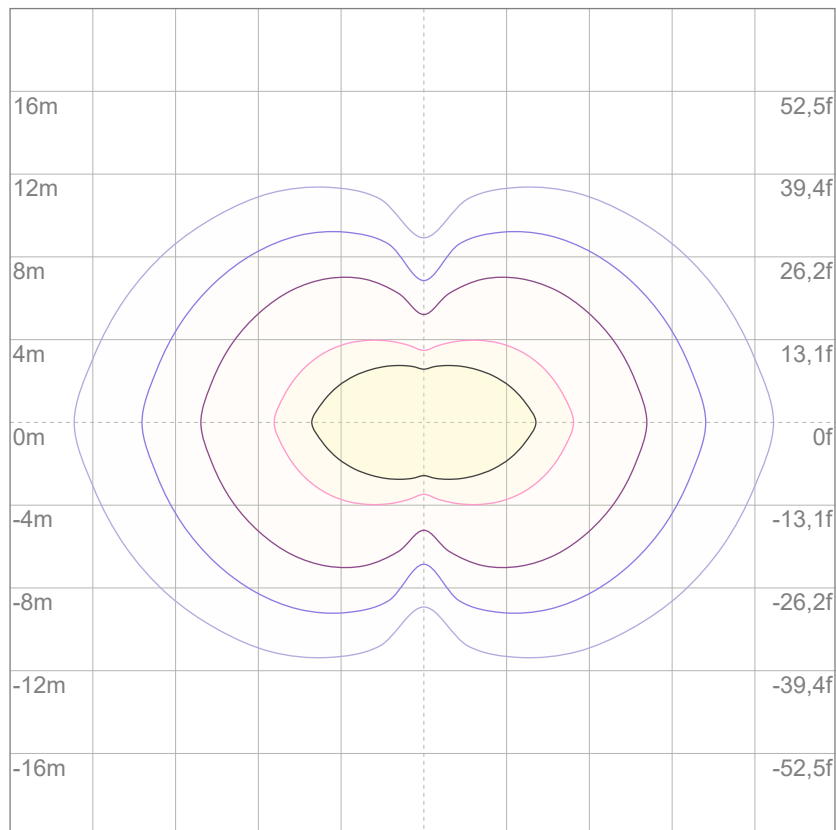
10%	101 cd
20%	202 cd
30%	303 cd
40%	404 cd
50%	505 cd
60%	606 cd
70%	707 cd
80%	807 cd

Conditions:

Number of c-planes: 4

Candela at center: 1009 cd

ISO LUX DIAGRAM



3%	0,303 lx
5%	0,505 lx
10%	1,01 lx
30%	3,03 lx
50%	5,05 lx

Conditions:

Number of c-planes: 4

Lux at center: 10,1 lx

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



Total lumen output:

606 lm

Peak candela output:

48935 cd

Light quality:

CRI: 93,0

Color temperature:

6790 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°

Target:

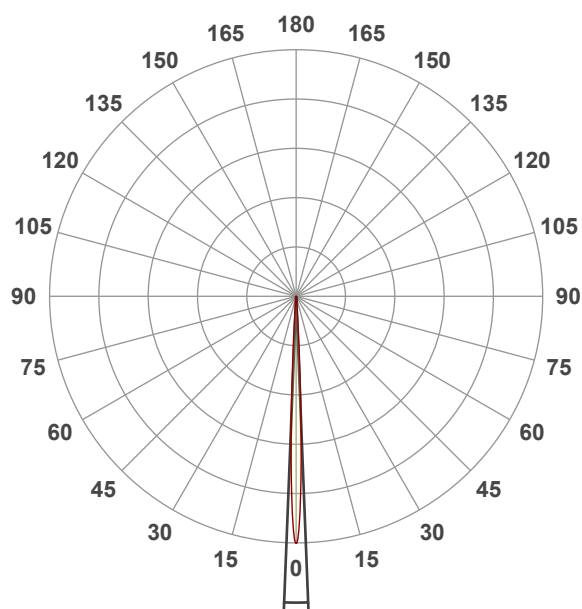
6500K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 16:07:55

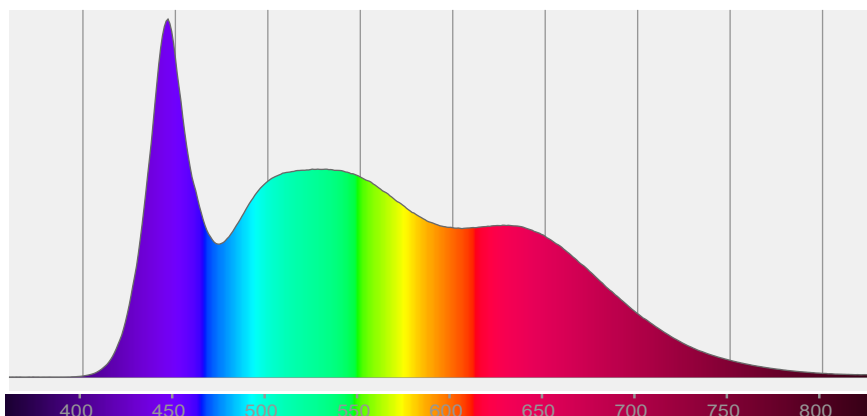


Beam angle 50%: 4,5°

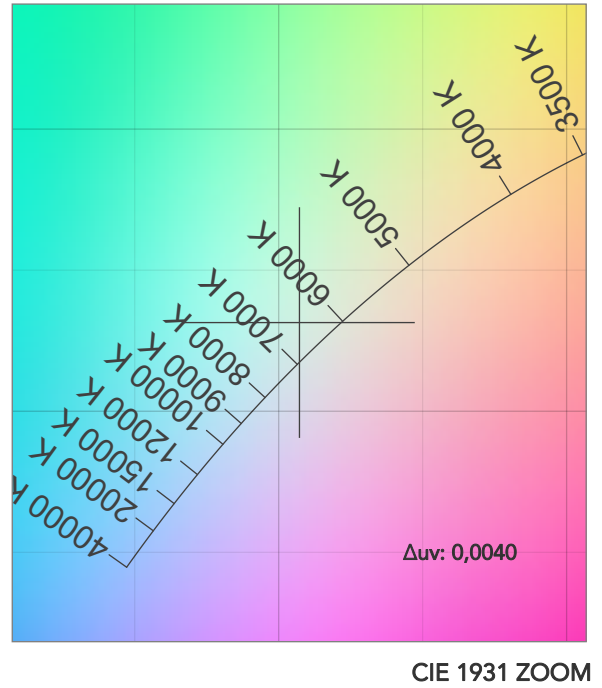
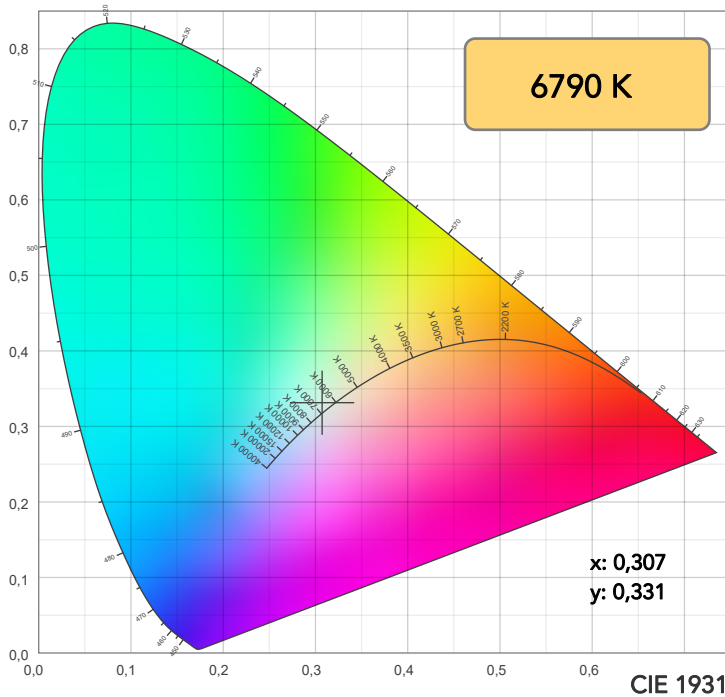
Field angle 10%: 8,1°

Cut off angle 2.5%: 12,5°

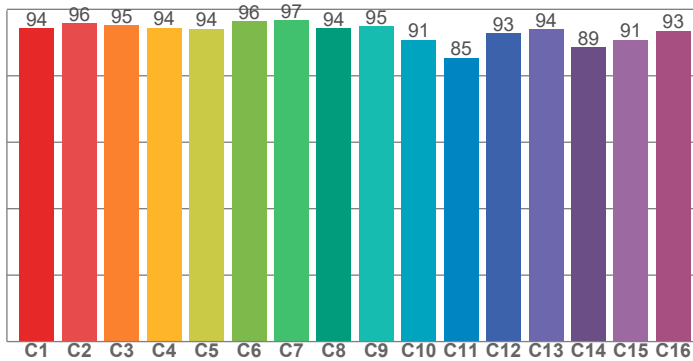
Spectra



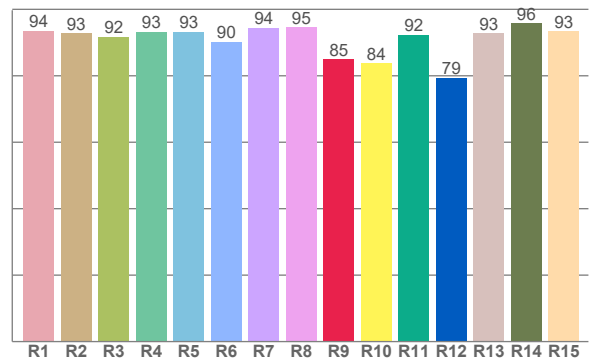
COLOR DETAILS



TM30: 93,5



CRI: 93,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,6	92,7	91,8	93,2	93,3	90,2	94,4	94,6	85,0	83,7	92,3	79,4	92,8	95,7	93,5

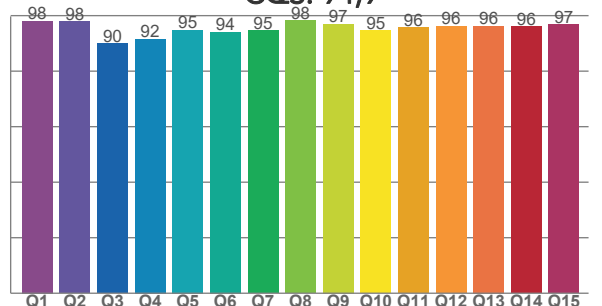
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,3	95,7	95,2	94,5	94,2	96,3	96,6	94,2	94,8	90,8	85,5	92,8	94,0	88,5	90,8	93,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,0	97,9	90,0	91,6	94,8	94,1	94,6	98,2	97,1	94,6	95,7	96,2	96,2	96,1	96,8

CQS: 94,9



COLOR PARAMETERS

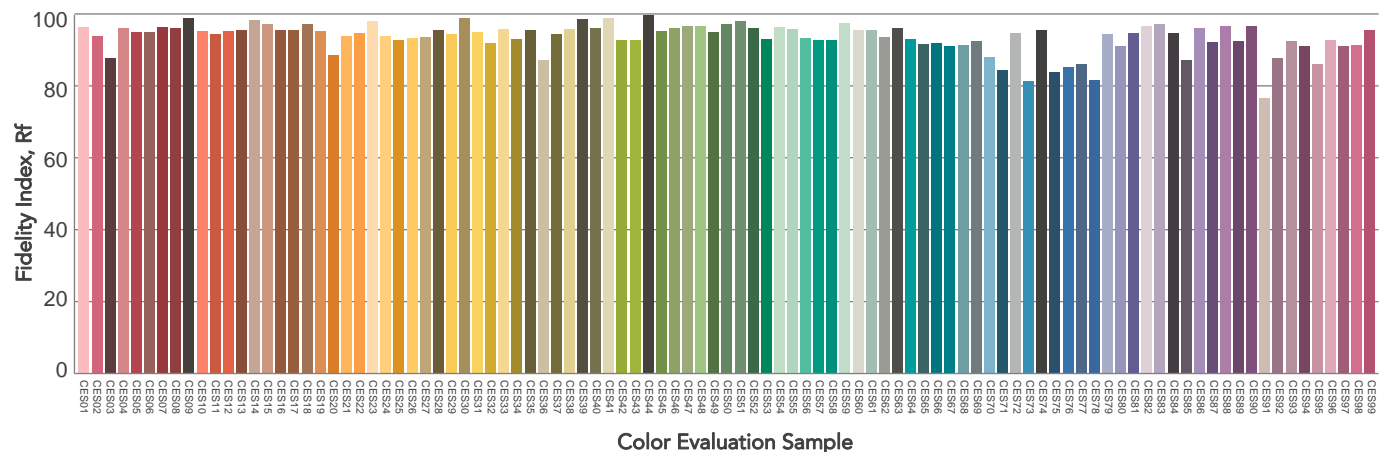
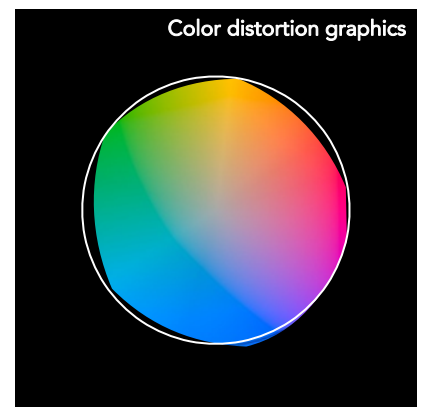
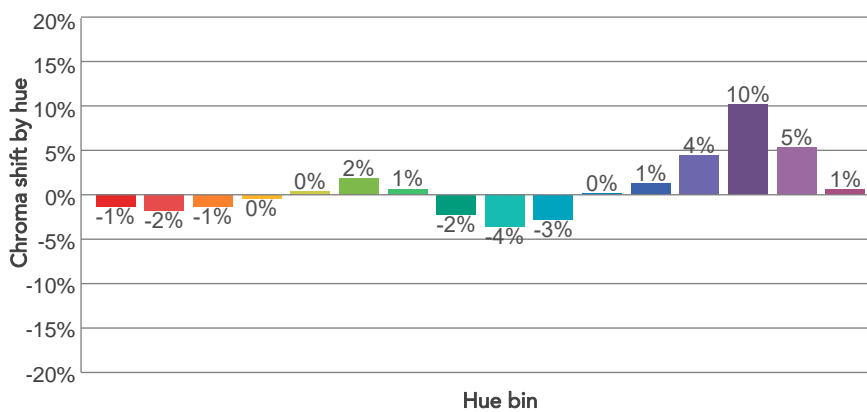
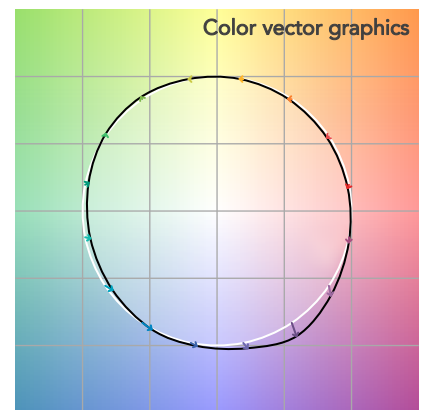
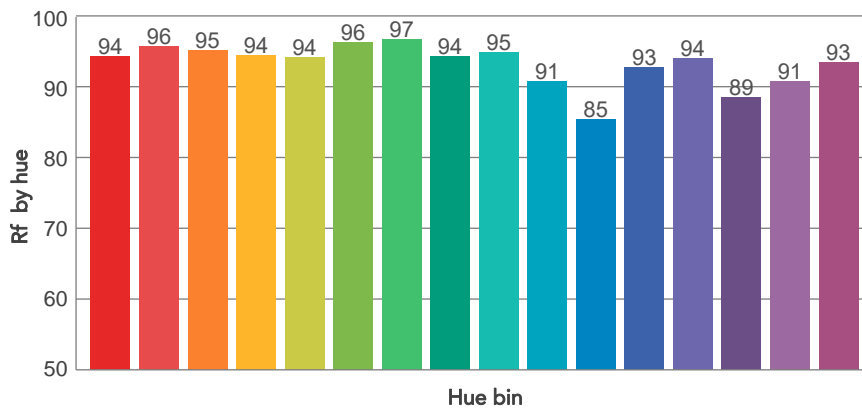
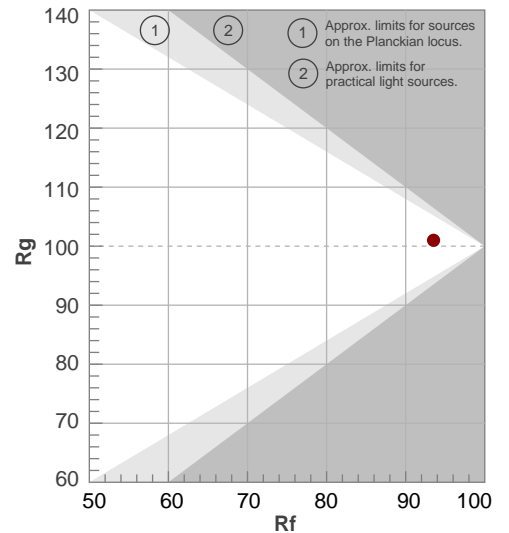
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6790 K	93,0	85,0	93,5	101,0	94,9	99	0,307	0,331	0,0040

TM30 DETAILS

Rf 93,5
Fidelity index Rf

Rg 101,0
Gammut index

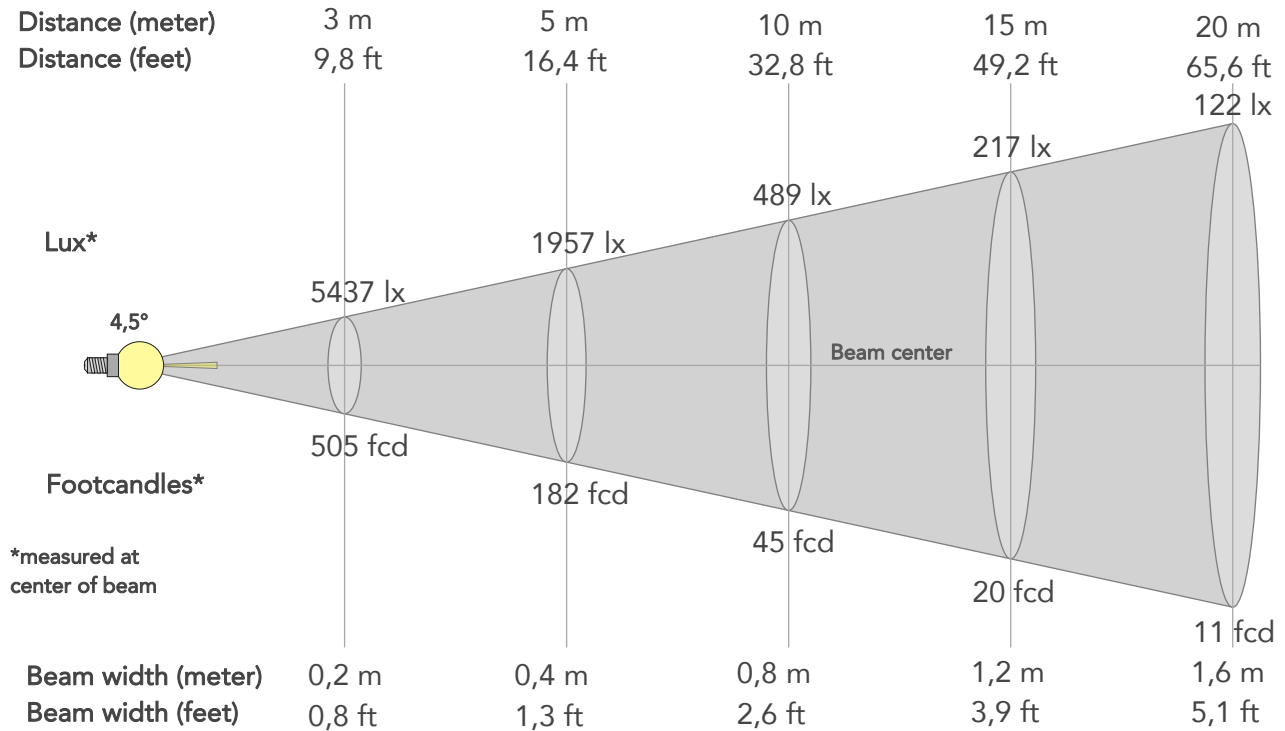
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-1%	-2%
2	96	-2%	0%
3	95	-1%	2%
4	94	0%	3%
5	94	0%	2%
6	96	2%	0%
7	97	1%	-2%
8	94	-2%	-2%
9	95	-4%	2%
10	91	-3%	6%
11	85	0%	8%
12	93	1%	5%
13	94	4%	2%
14	89	10%	-3%
15	91	5%	-5%
16	93	1%	-4%



BEAM DETAILS



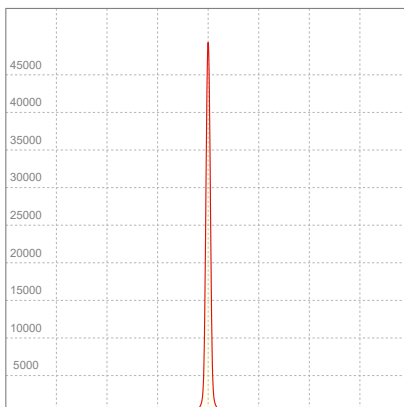
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,5°	8,1°	12,5°	95,8%	92,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	48935lx	12234lx	5437lx	3058lx	1957lx	870lx	489lx	217lx	122lx	78lx	54lx	31lx	20lx
Footcand.	4546fcd	1137fcd	505fcd	284fcd	182fcd	81fcd	45fcd	20fcd	11fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,2m	1,6m	2m	2,4m	3,1m	3,9m
Beam wid.	0,3ft	0,5ft	0,8ft	1ft	1,3ft	1,9ft	2,6ft	3,9ft	5,1ft	6,4ft	7,7ft	10,3ft	12,9ft

LINEAR DISTRIBUTION DIAGRAM

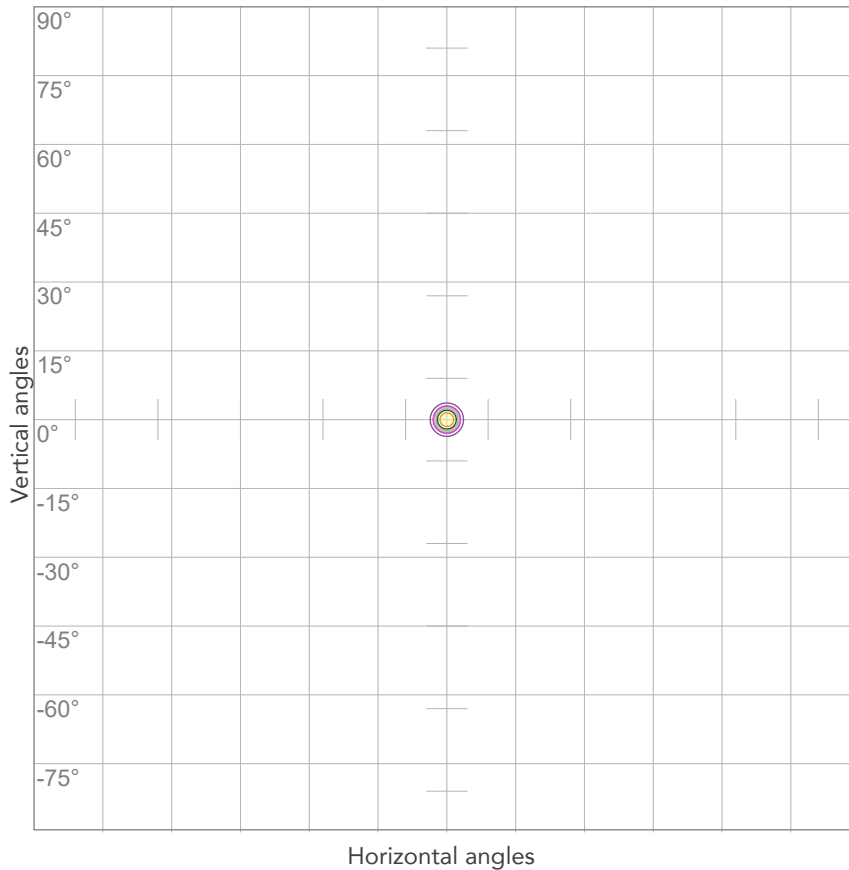


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,113A	22,5W	0,88	27lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



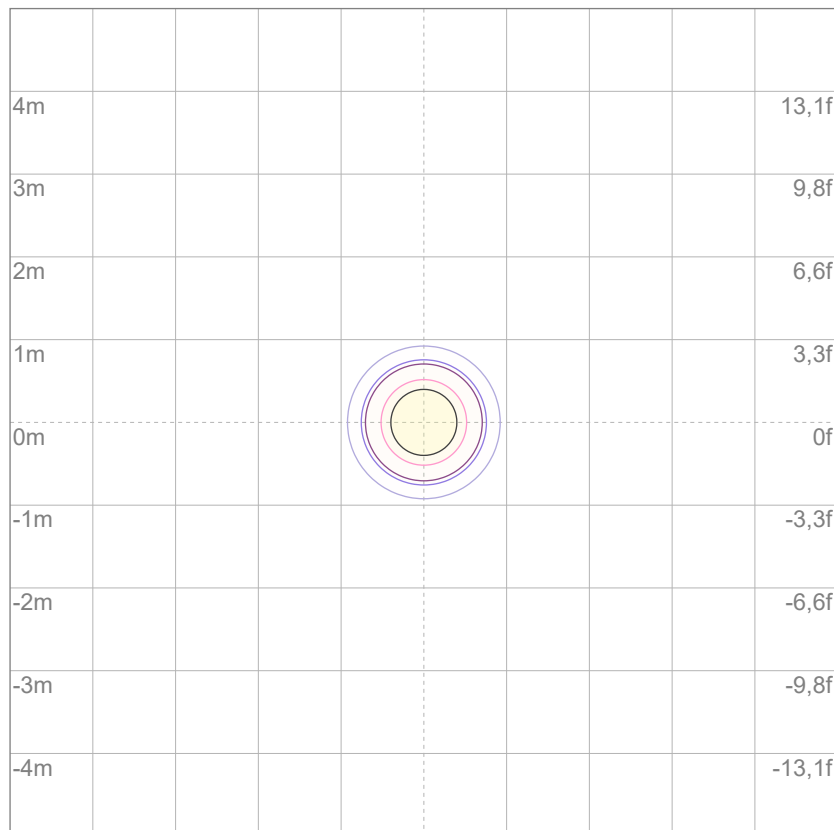
10%	4893 cd
20%	9787 cd
30%	14680 cd
40%	19574 cd
50%	24467 cd
60%	29361 cd
70%	34254 cd
80%	39148 cd

Conditions:

Number of c-planes: 2

Candela at center: 48935 cd

ISO LUX DIAGRAM



3%	14,7 lx
5%	24,5 lx
10%	48,9 lx
30%	147 lx
50%	245 lx

Conditions:

Number of c-planes: 2

Lux at center: 489 lx

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



Total lumen output:

600 lm

Peak candela output:

2731 cd

Light quality:

CRI: 94,3

Color temperature:

6537 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 20° Filter

Target:

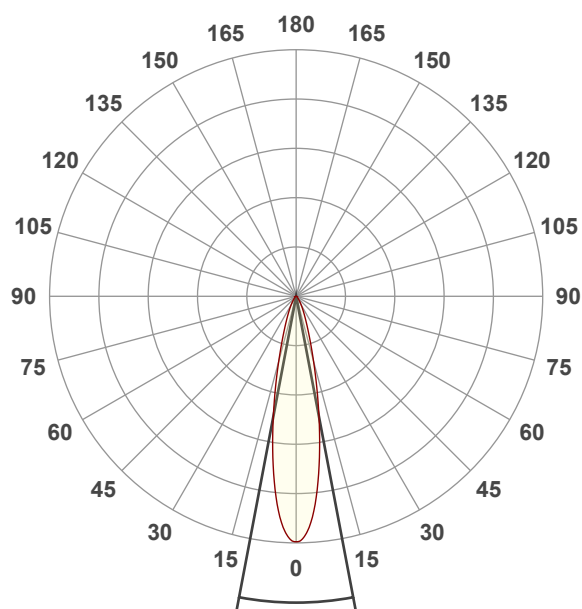
6500K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 16:20:56

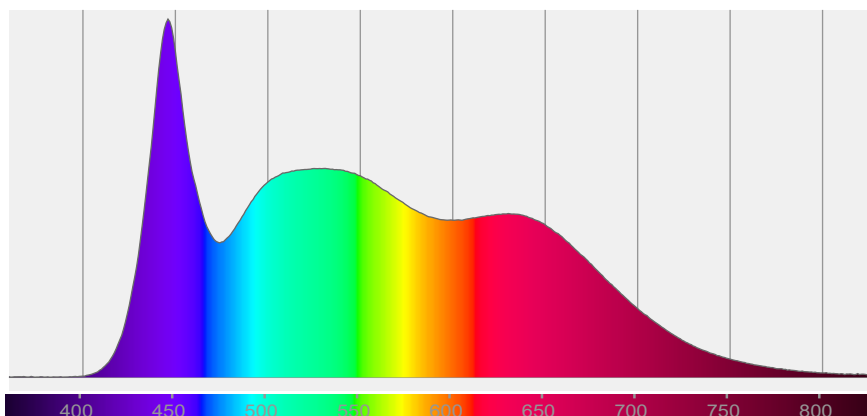


Beam angle 50%: 21,5°

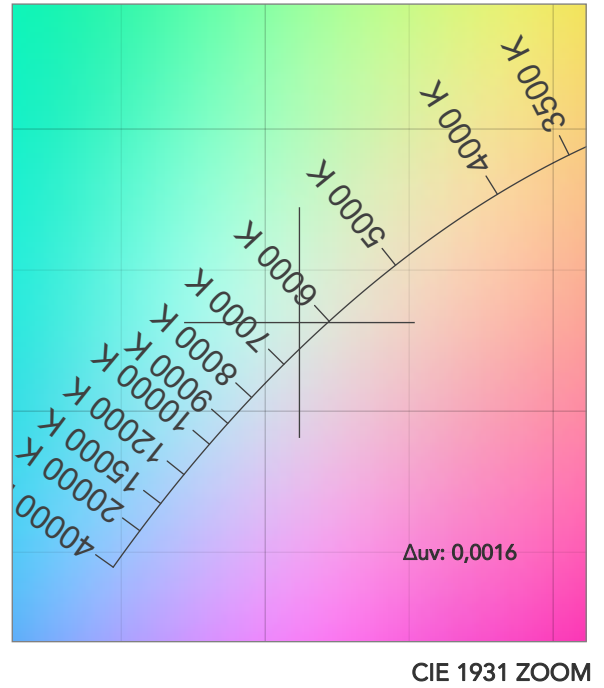
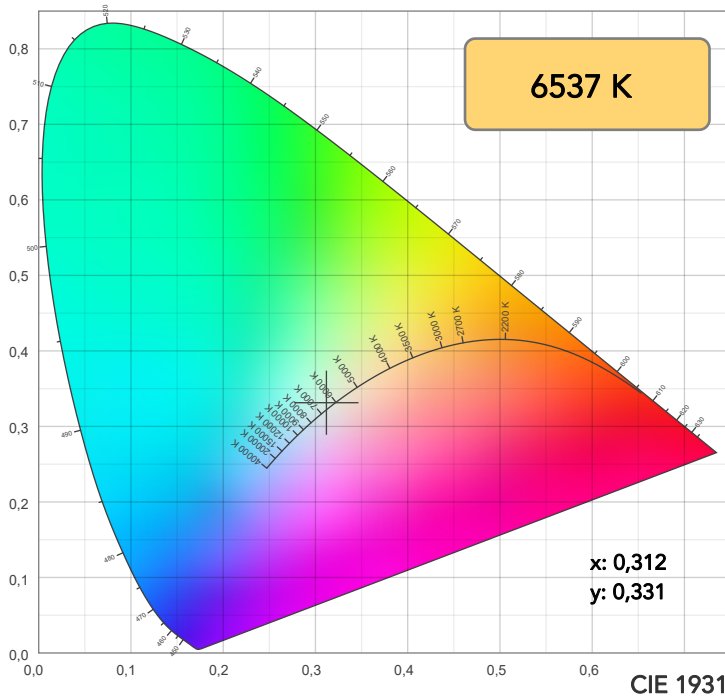
Field angle 10%: 44,7°

Cut off angle 2.5%: 69,6°

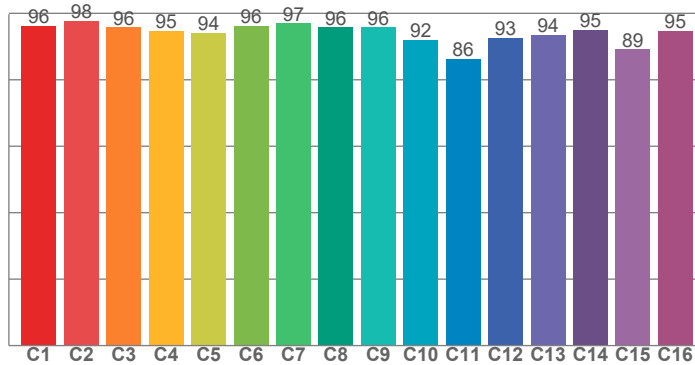
Spectra



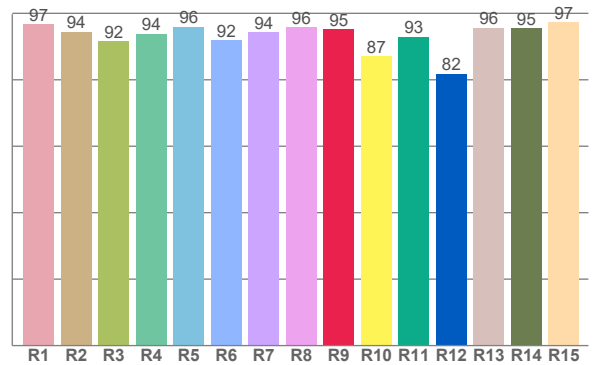
COLOR DETAILS



TM30: 94,2



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
96,7	94,5	91,6	93,9	95,9	92,0	94,4	95,9	95,3	87,1	92,9	81,8	95,7	95,4	97,3

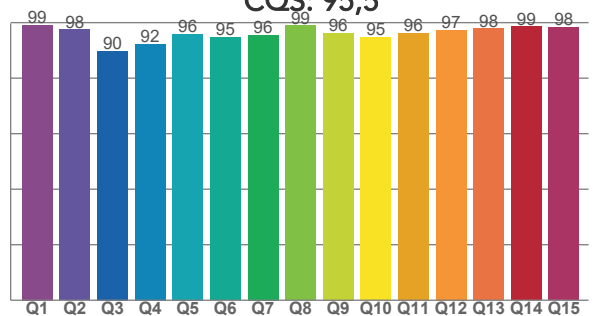
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

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
6537 K	94,3	95,3	94,2	101,7	95,5	99	0,312	0,331	0,0016

TM30 DETAILS

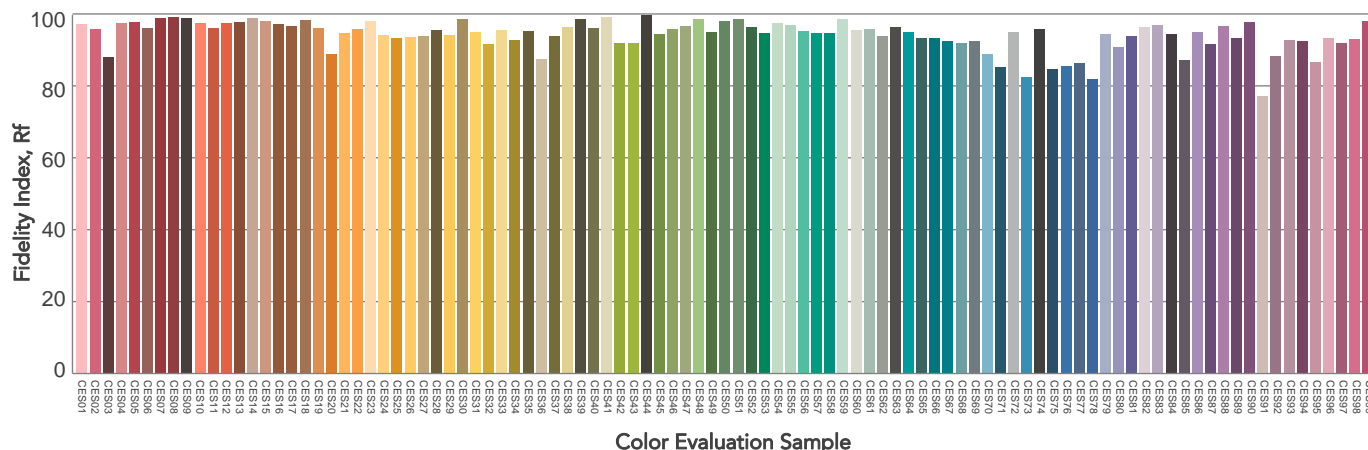
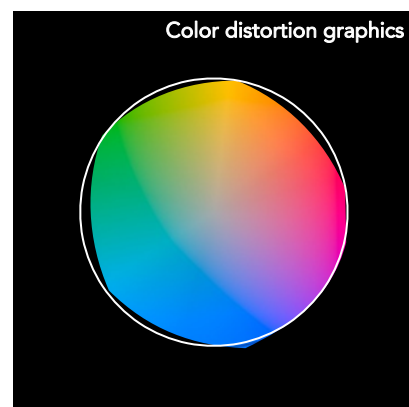
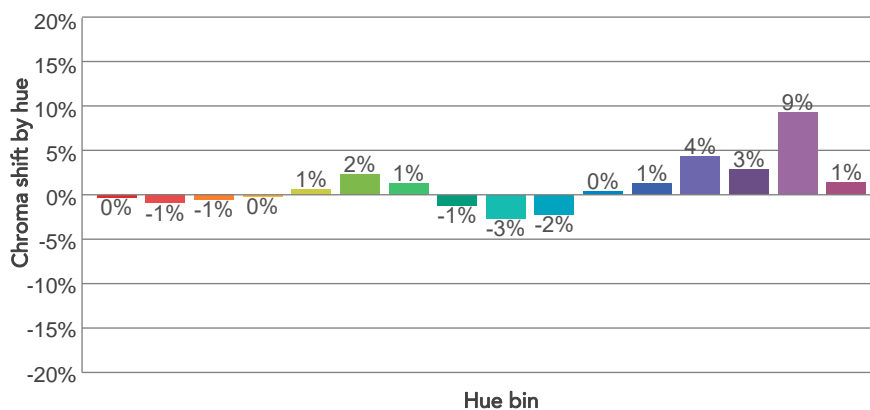
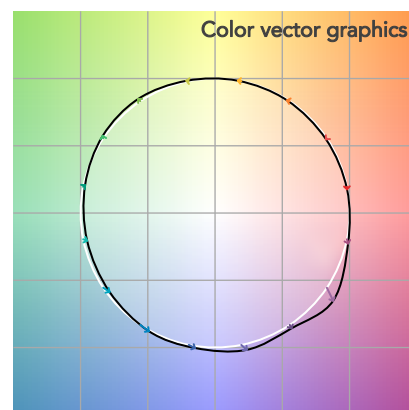
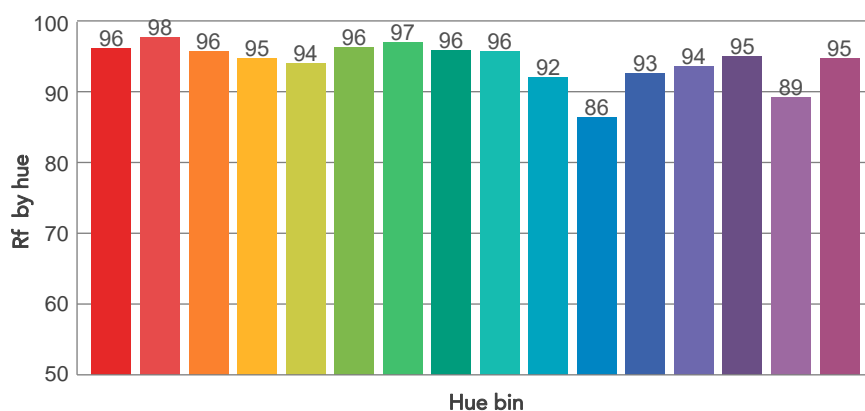
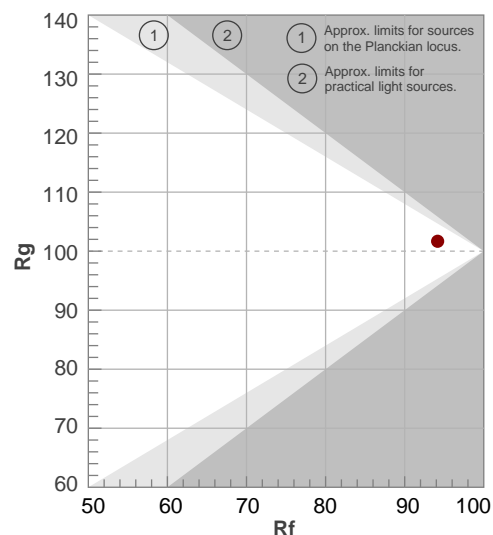
Rf 94,2

Fidelity index Rf

Rg 101,7

Gammut index

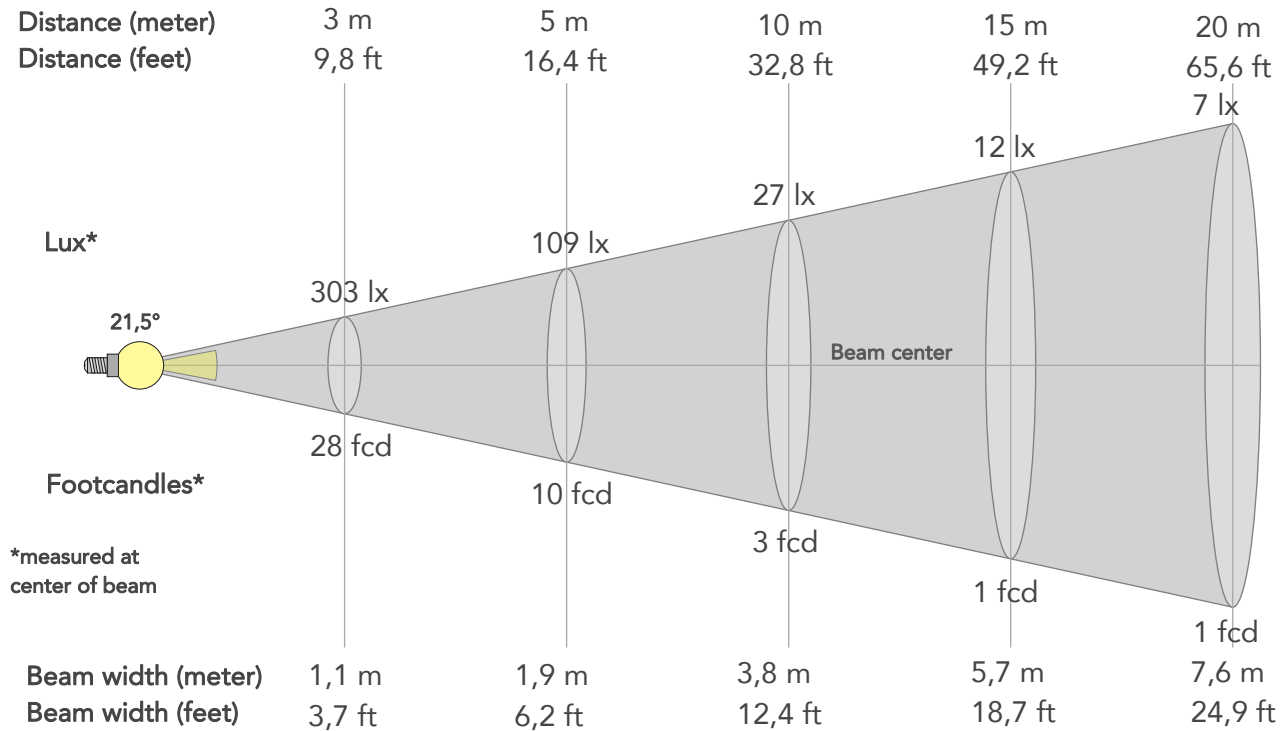
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-2%
2	98	-1%	0%
3	96	-1%	2%
4	95	0%	3%
5	94	1%	2%
6	96	2%	0%
7	97	1%	-1%
8	96	-1%	-1%
9	96	-3%	2%
10	92	-2%	5%
11	86	0%	8%
12	93	1%	5%
13	94	4%	3%
14	95	3%	0%
15	89	9%	-5%
16	95	1%	-3%



BEAM DETAILS



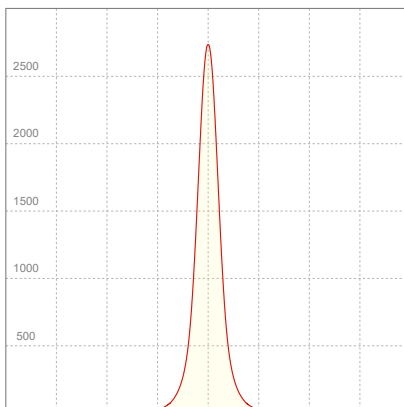
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,5°	44,7°	69,6°	97,2%	93,5%



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	2731lx	683lx	303lx	171lx	109lx	49lx	27lx	12lx	7lx	4lx	3lx	2lx	1lx
Footcand.	254fcd	63fcd	28fcd	16fcd	10fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,1m	1,5m	1,9m	2,8m	3,8m	5,7m	7,6m	9,5m	11,4m	15,2m	19m
Beam wid.	1,3ft	2,5ft	3,7ft	5ft	6,2ft	9,3ft	12,4ft	18,7ft	24,9ft	31,1ft	37,3ft	49,8ft	62,2ft

LINEAR DISTRIBUTION DIAGRAM

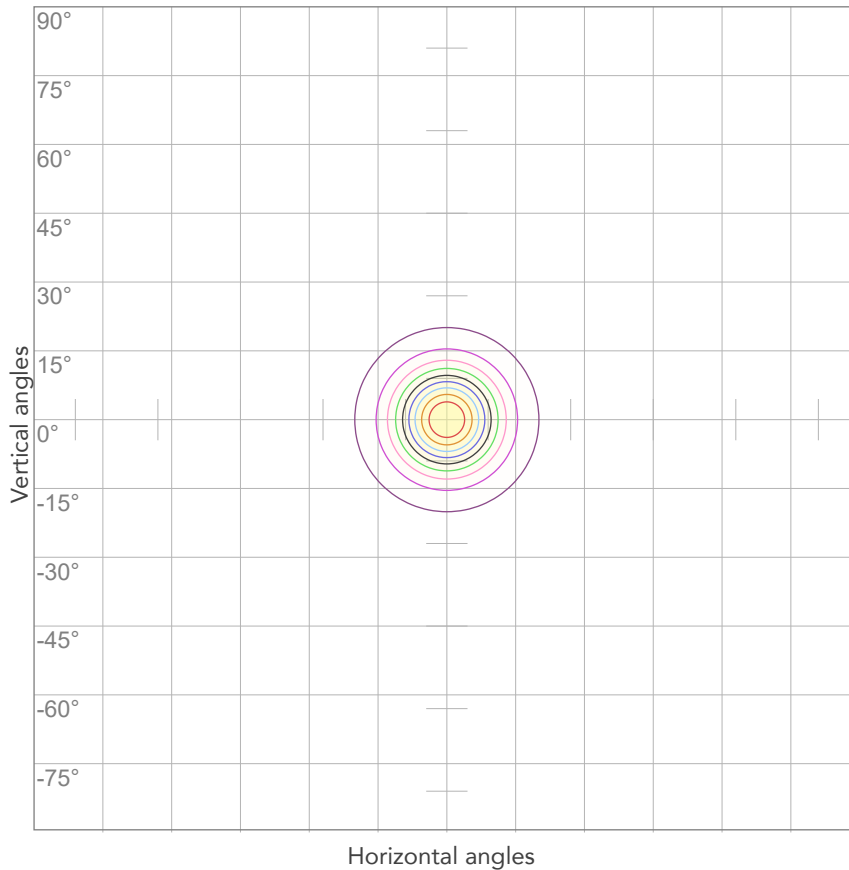


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
223V	0,118A	23,8W	0,9	25lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



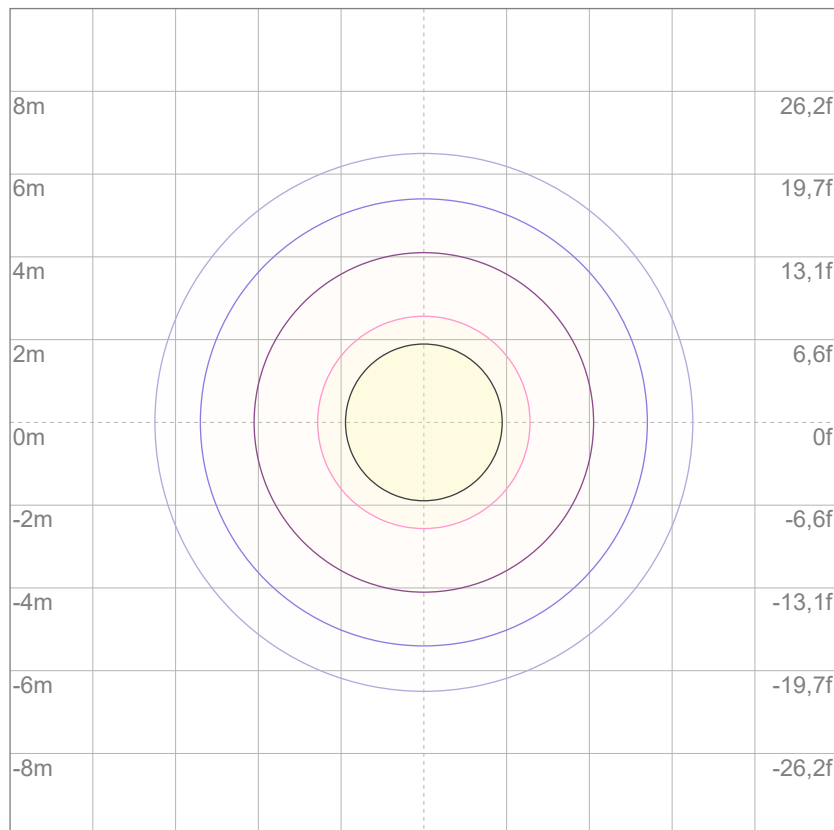
10%	273 cd
20%	546 cd
30%	819 cd
40%	1092 cd
50%	1365 cd
60%	1639 cd
70%	1912 cd
80%	2185 cd

Conditions:

Number of c-planes: 2

Candela at center: 2731 cd

ISO LUX DIAGRAM



3%	0,819 lx
5%	1,37 lx
10%	2,73 lx
30%	8,19 lx
50%	13,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 27,3 lx

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



Total lumen output:

576 lm

Peak candela output:

2629 cd

Light quality:

CRI: 93,0

Color temperature:

7010 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 20° Filter

Target:

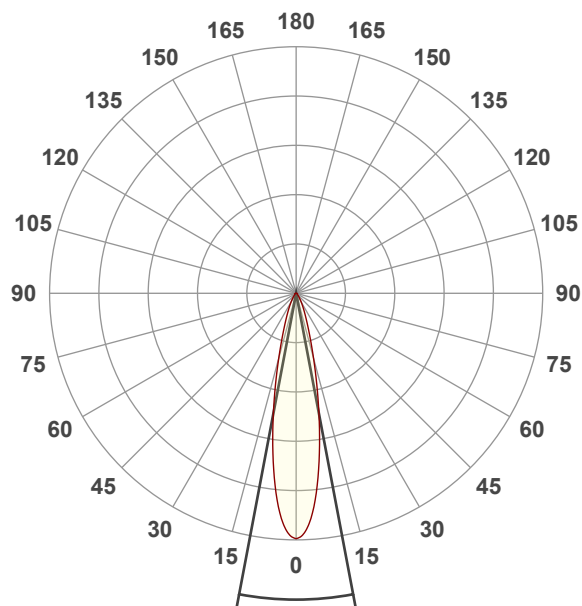
6500K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 16:13:43

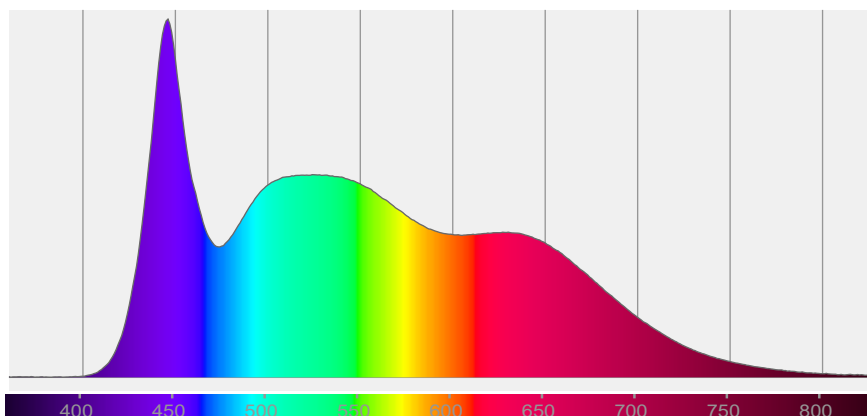


Beam angle 50%: 21,5°

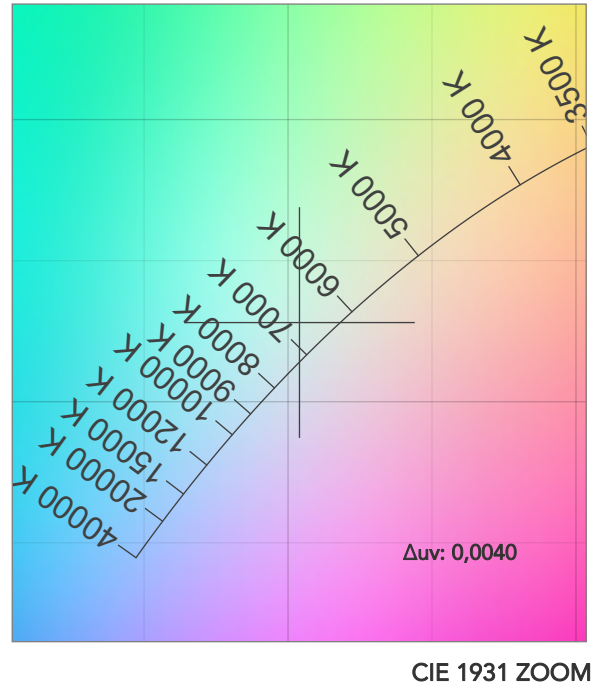
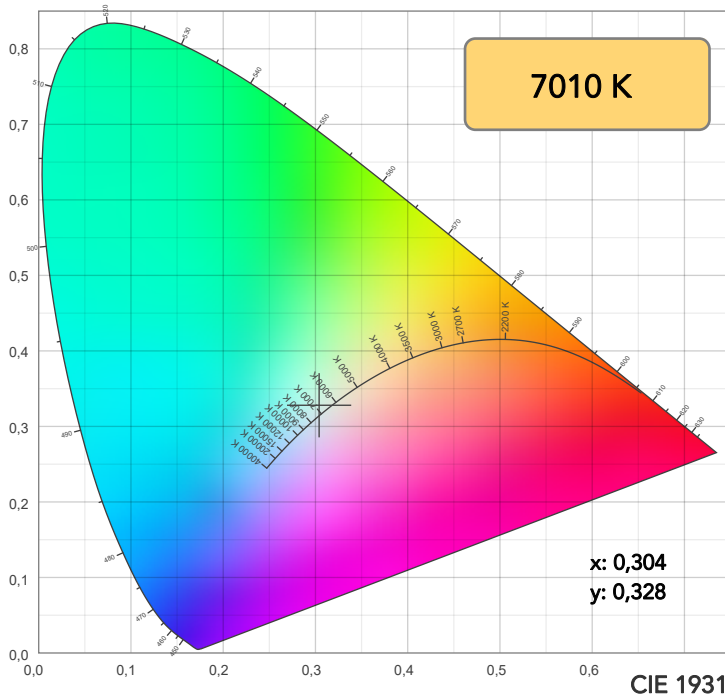
Field angle 10%: 44,6°

Cut off angle 2.5%: 69,7°

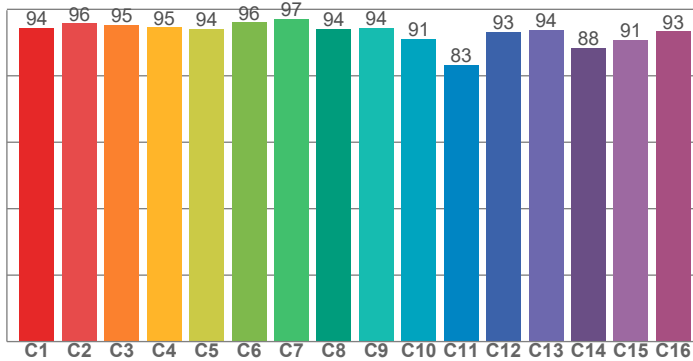
Spectra



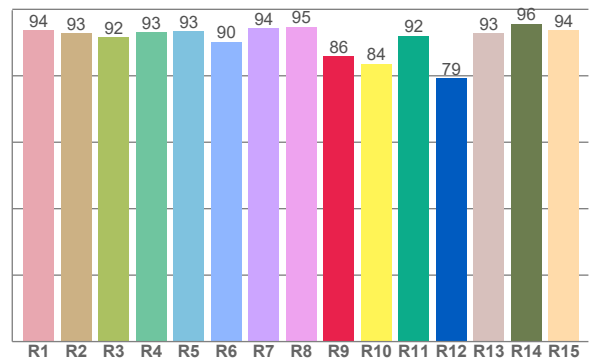
COLOR DETAILS



TM30: 93,5



CRI: 93,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,7	92,7	91,6	93,1	93,4	90,2	94,3	94,7	85,9	83,7	92,1	79,3	92,9	95,6	93,7

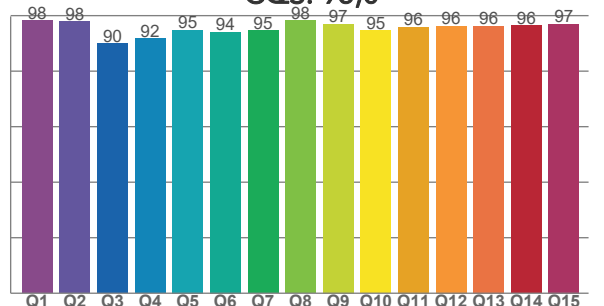
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,4	95,8	95,3	94,5	94,1	96,1	97,1	94,2	94,5	91,1	83,3	93,3	93,8	88,3	90,8	93,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,2	97,8	89,9	91,7	94,9	94,1	94,6	98,3	97,0	94,6	95,8	96,2	96,3	96,4	97,0

CQS: 95,0



COLOR PARAMETERS

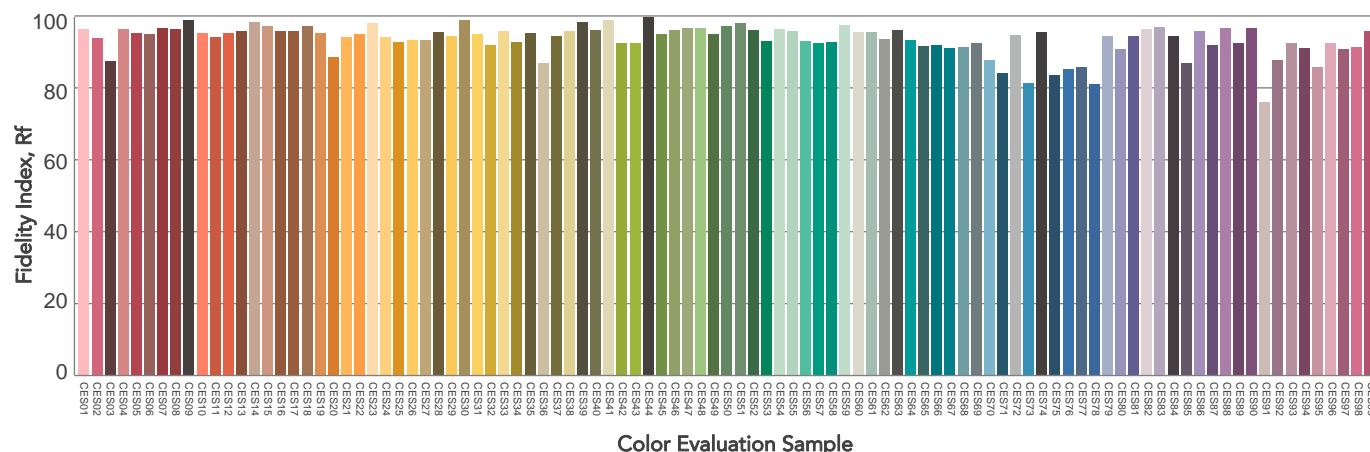
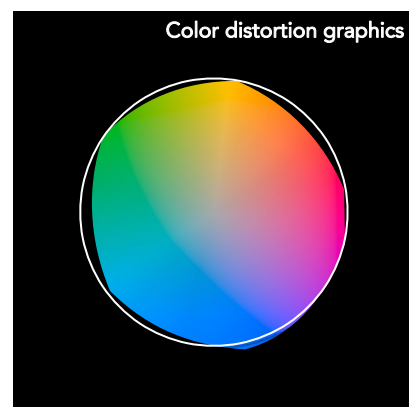
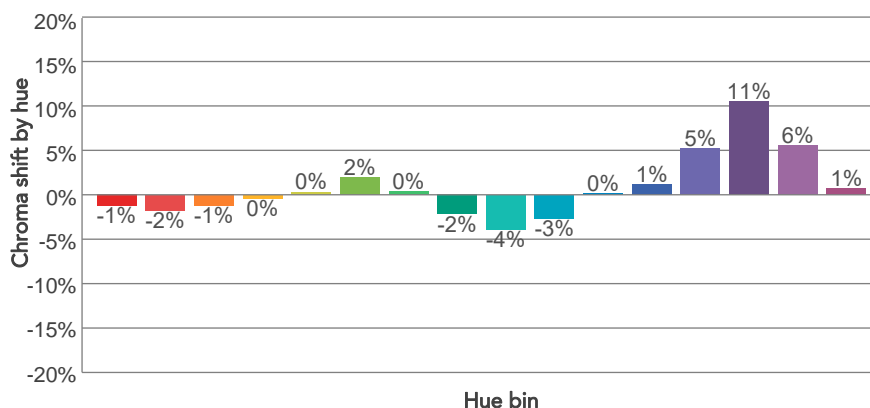
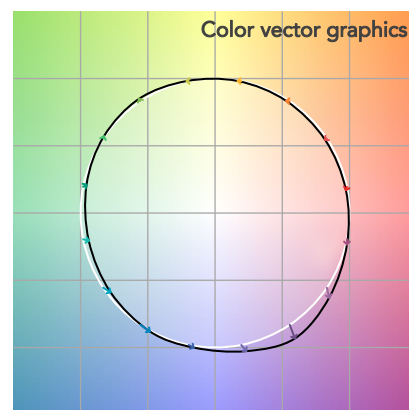
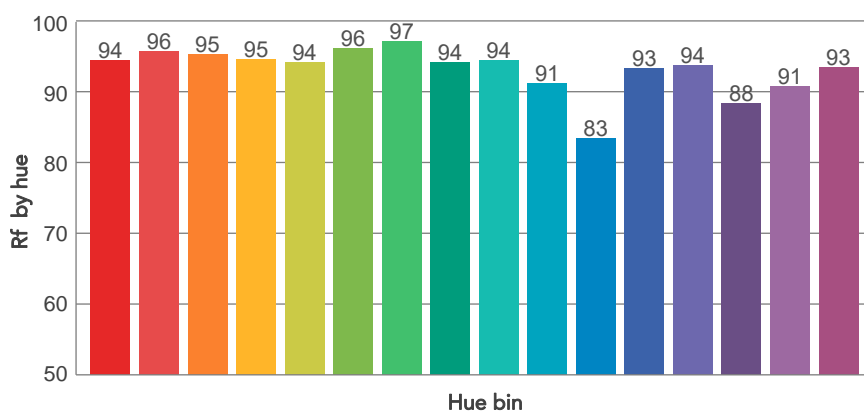
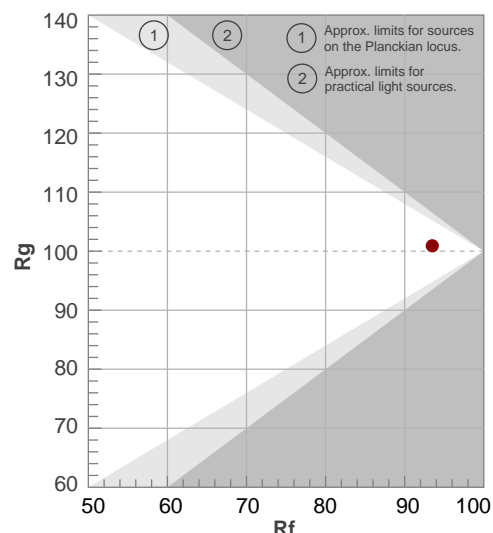
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
7010 K	93,0	85,9	93,5	100,9	95,0	99	0,304	0,328	0,0040

TM30 DETAILS

Rf 93,5
Fidelity index Rf

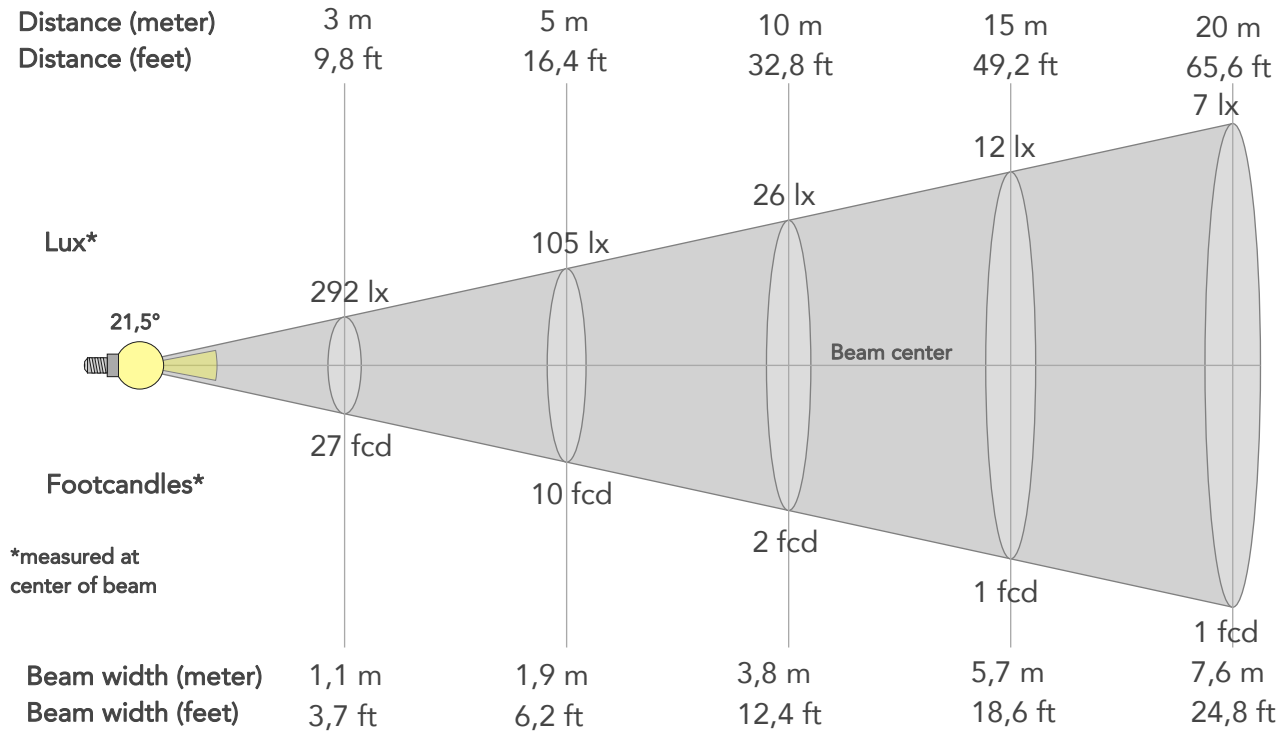
Rg 100,9
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-1%	-2%
2	96	-2%	0%
3	95	-1%	2%
4	95	0%	3%
5	94	0%	2%
6	96	2%	0%
7	97	0%	-1%
8	94	-2%	-2%
9	94	-4%	2%
10	91	-3%	6%
11	83	0%	9%
12	93	1%	4%
13	94	5%	3%
14	88	11%	-2%
15	91	6%	-5%
16	93	1%	-4%



BEAM DETAILS

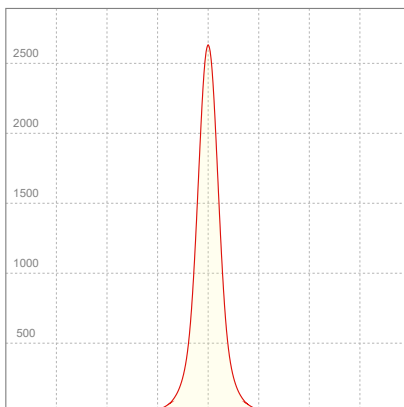
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,5°	44,6°	69,7°	97,2%	93,5%



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	2629lx	657lx	292lx	164lx	105lx	47lx	26lx	12lx	7lx	4lx	3lx	2lx	1lx
Footcand.	244fcd	61fcd	27fcd	15fcd	10fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,1m	1,5m	1,9m	2,8m	3,8m	5,7m	7,6m	9,5m	11,4m	15,2m	18,9m
Beam wid.	1,3ft	2,5ft	3,7ft	5ft	6,2ft	9,3ft	12,4ft	18,6ft	24,8ft	31,1ft	37,3ft	49,7ft	62,1ft

LINEAR DISTRIBUTION DIAGRAM

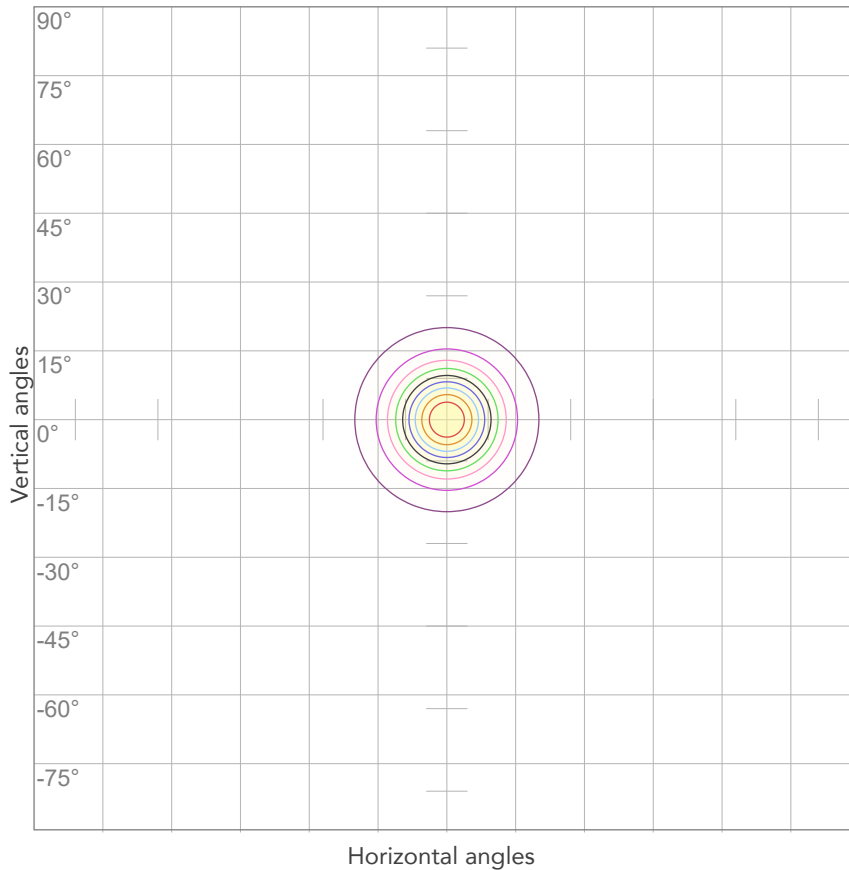


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,114A	22,6W	0,88	26lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



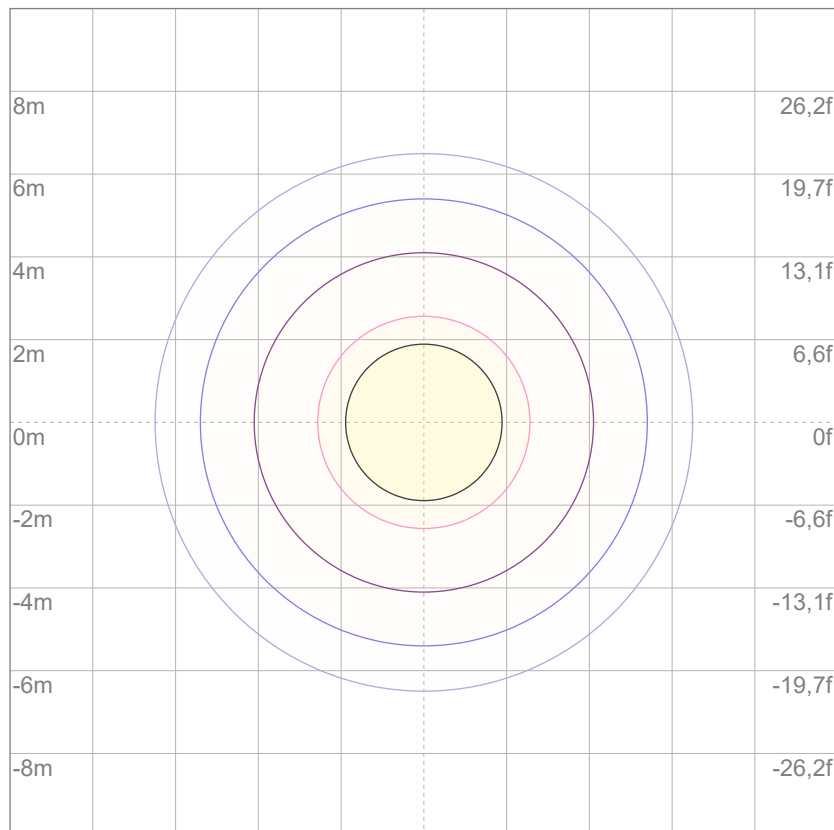
10%	263 cd
20%	526 cd
30%	789 cd
40%	1052 cd
50%	1315 cd
60%	1578 cd
70%	1841 cd
80%	2104 cd

Conditions:

Number of c-planes: 2

Candela at center: 2629 cd

ISO LUX DIAGRAM



3%	0,789 lx
5%	1,31 lx
10%	2,63 lx
30%	7,89 lx
50%	13,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 26,3 lx

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



Total lumen output:

553 lm

Peak candela output:

717 cd

Light quality:

CRI: 94,6

Color temperature:

6593 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 40° Filter

Target:

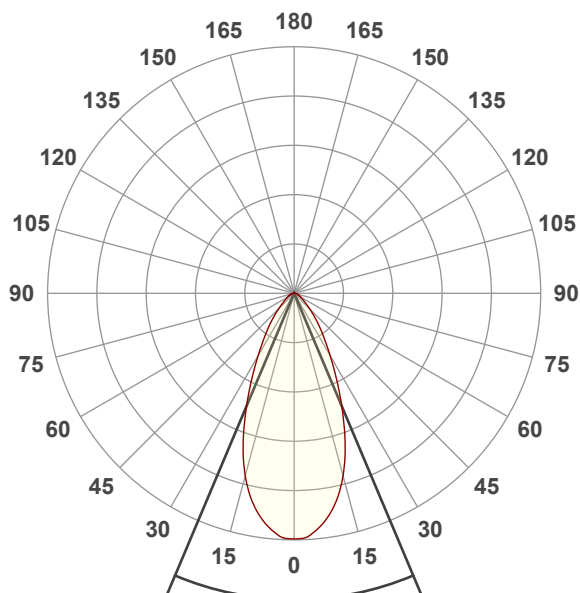
6500K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 16:52:43

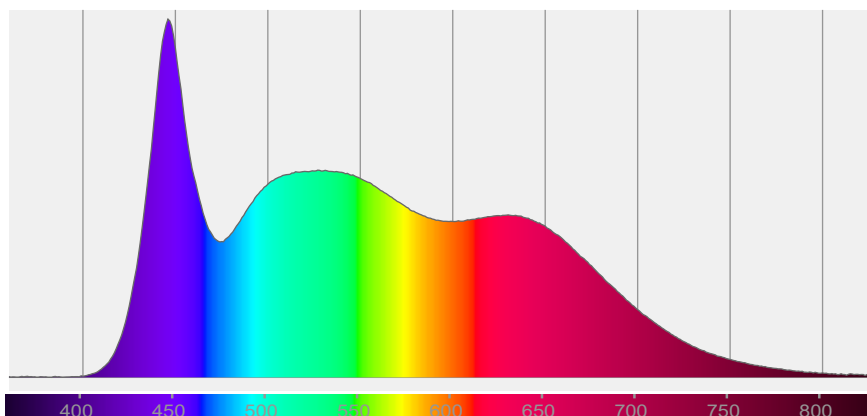


Beam angle 50%: 45,8°

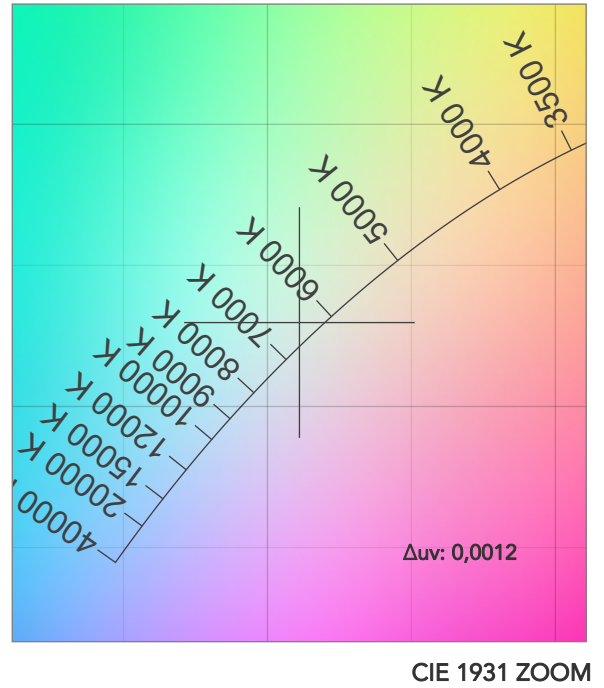
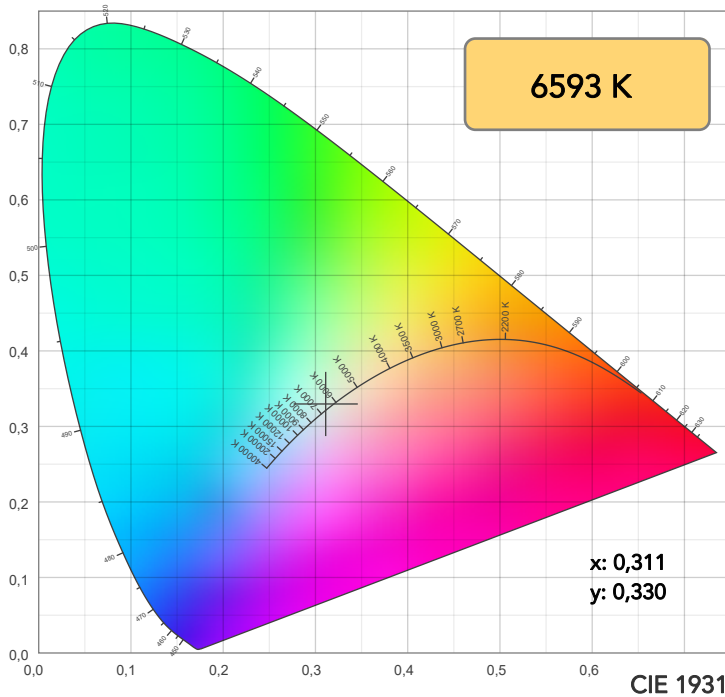
Field angle 10%: 87,4°

Cut off angle 2.5%: 125°

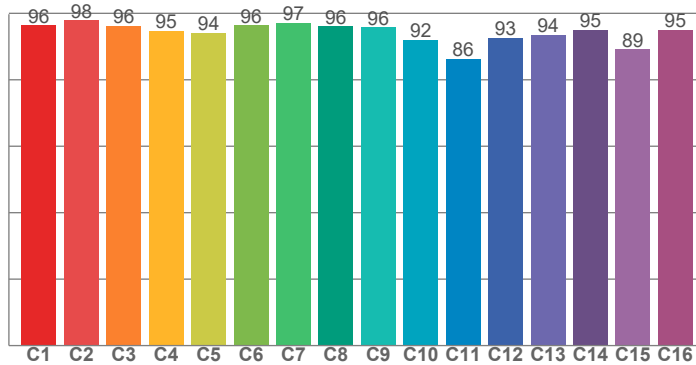
Spectra



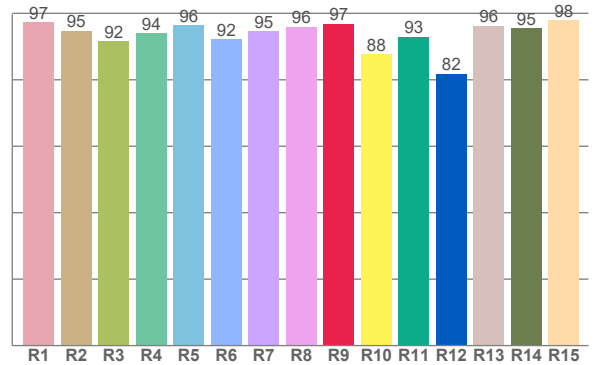
COLOR DETAILS



TM30: 94,2



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
97,2	94,8	91,6	94,0	96,4	92,3	94,5	96,0	96,8	87,7	92,9	81,8	96,2	95,4	98,0

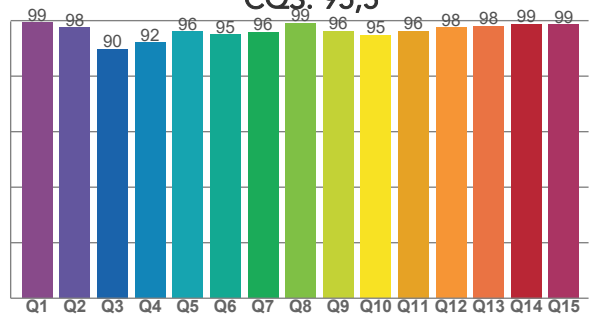
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 95,5



COLOR PARAMETERS

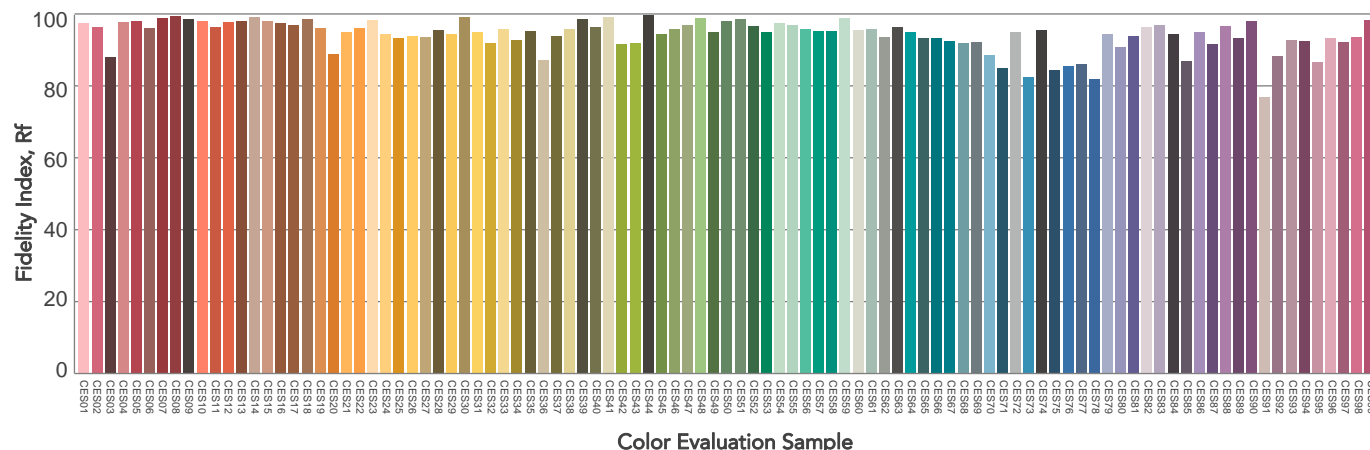
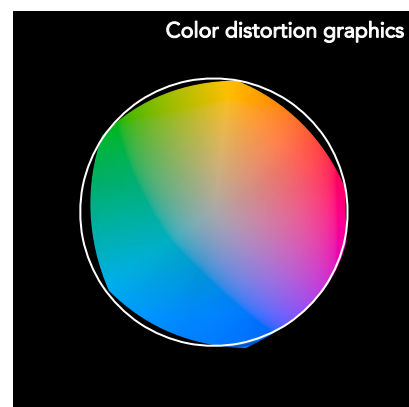
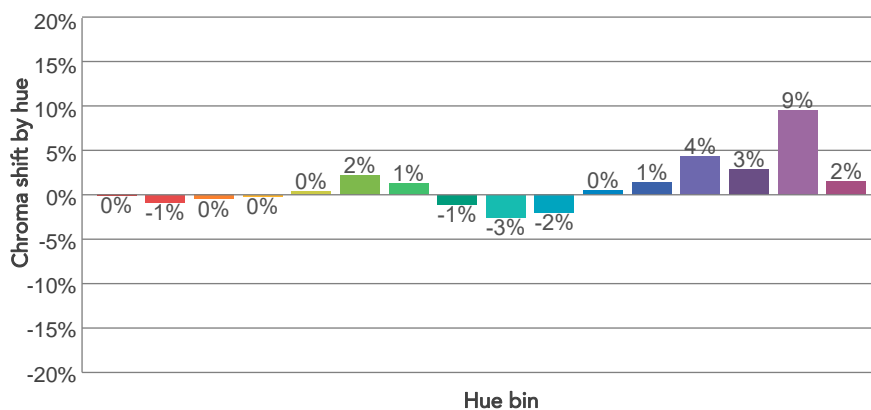
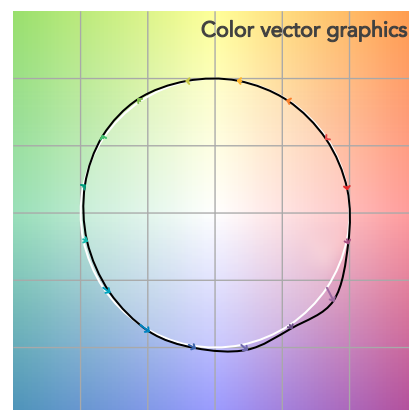
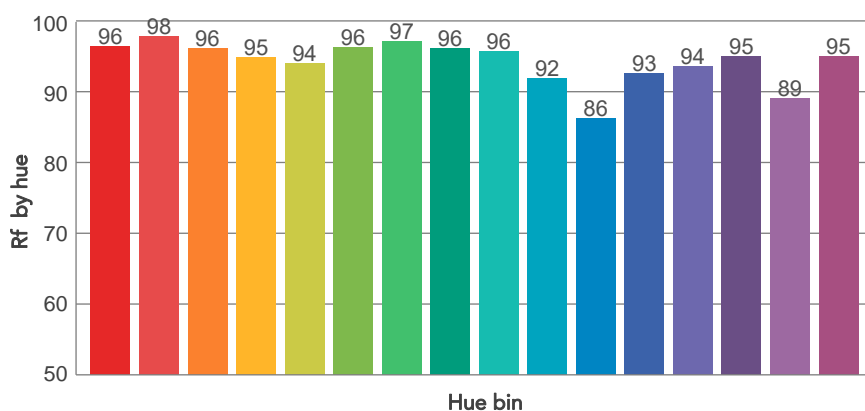
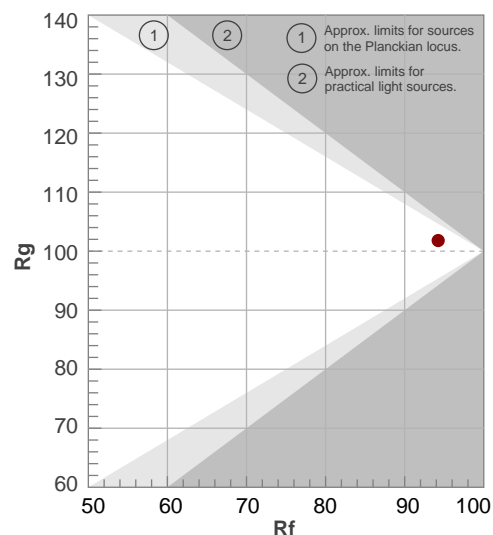
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6593 K	94,6	96,8	94,2	101,8	95,5	99	0,311	0,330	0,0012

TM30 DETAILS

Rf 94,2
Fidelity index Rf

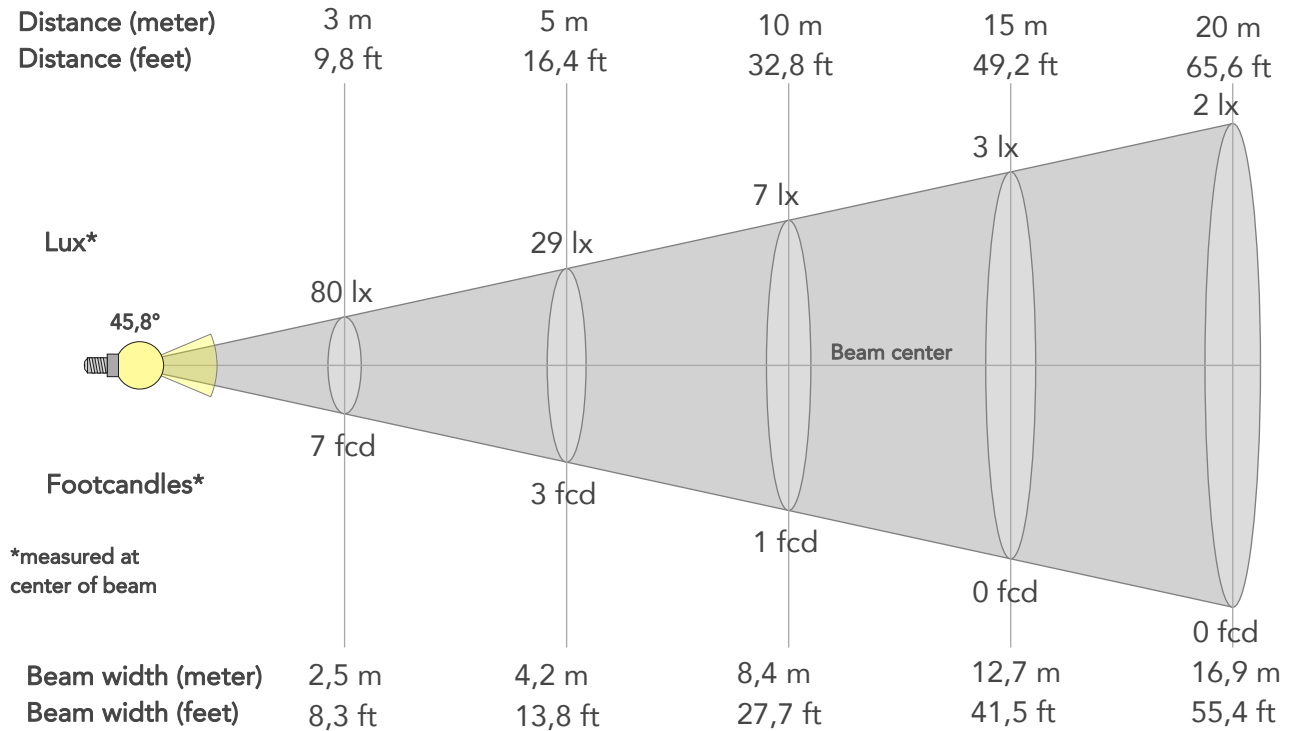
Rg 101,8
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-2%
2	98	-1%	0%
3	96	0%	2%
4	95	0%	2%
5	94	0%	2%
6	96	2%	1%
7	97	1%	-1%
8	96	-1%	-1%
9	96	-3%	2%
10	92	-2%	5%
11	86	0%	8%
12	93	1%	5%
13	94	4%	3%
14	95	3%	0%
15	89	9%	-5%
16	95	2%	-3%



BEAM DETAILS

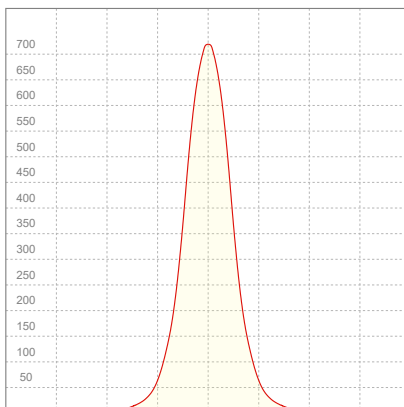
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,8°	87,4°	125°	95,3%	86,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	717lx	179lx	80lx	45lx	29lx	13lx	7lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	67fcd	17fcd	7fcd	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	13,8ft	20,8ft	27,7ft	41,5ft	55,4ft	69,2ft	83ft	110,7ft	138,4ft

LINEAR DISTRIBUTION DIAGRAM

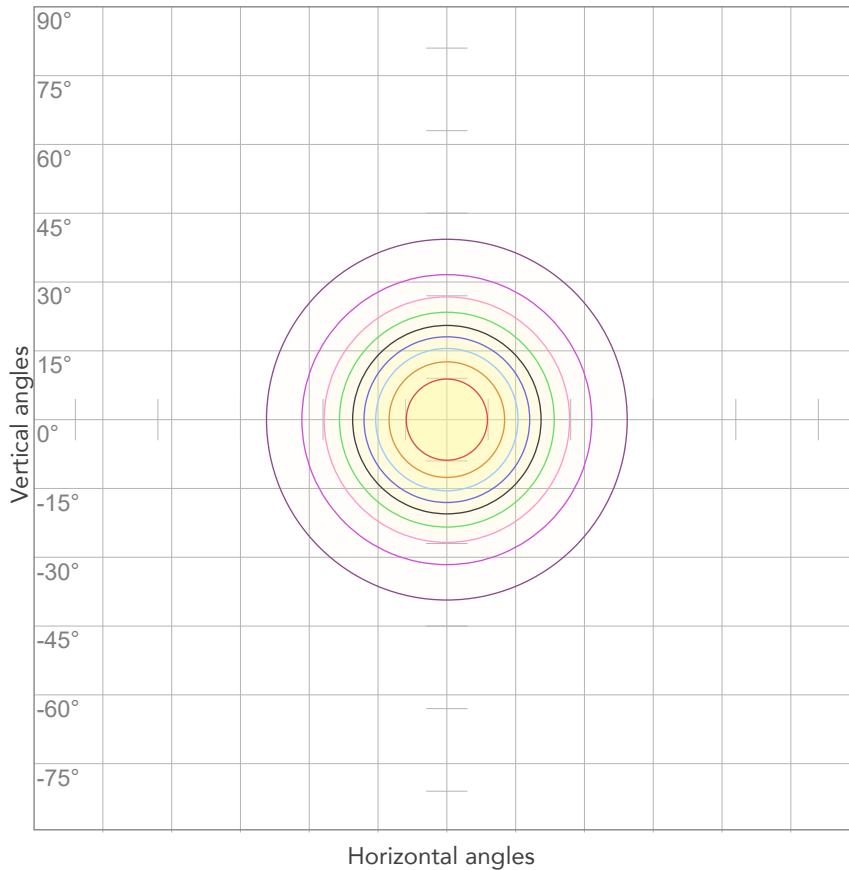


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,118A	23,7W	0,89	23lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



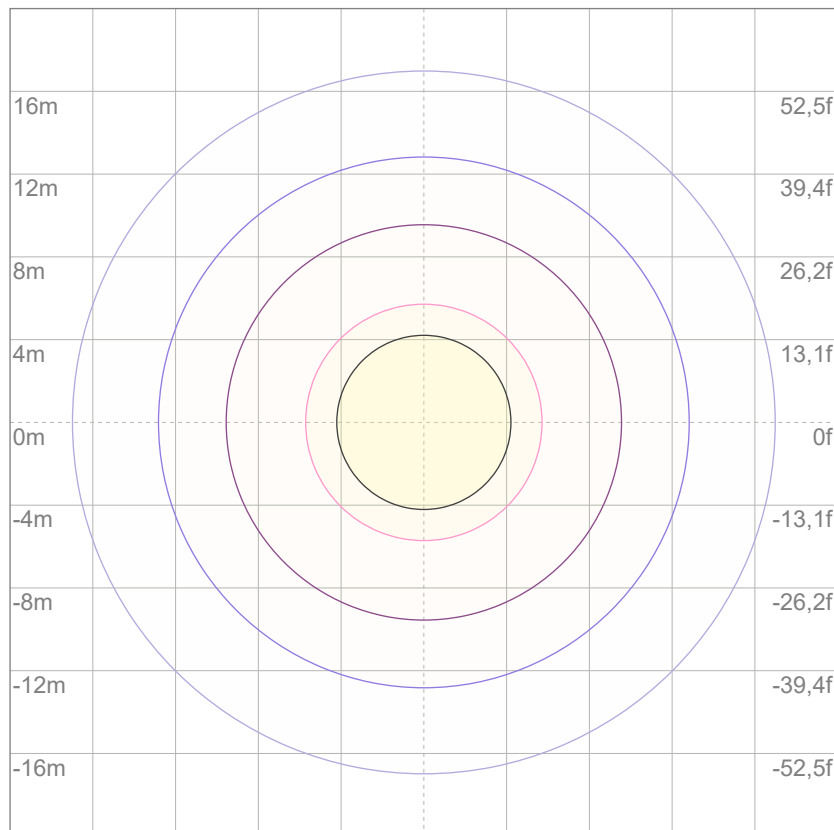
10%	72 cd
20%	143 cd
30%	215 cd
40%	287 cd
50%	359 cd
60%	430 cd
70%	502 cd
80%	574 cd

Conditions:

Number of c-planes: 2

Candela at center: 717 cd

ISO LUX DIAGRAM



3%	0,215 lx
5%	0,359 lx
10%	0,717 lx
30%	2,15 lx
50%	3,59 lx

Conditions:

Number of c-planes: 2

Lux at center: 7,17 lx

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



Total lumen output:

583 lm

Peak candela output:

574 cd

Light quality:

CRI: 94,6

Color temperature:

6579 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 60° Filter

Target:

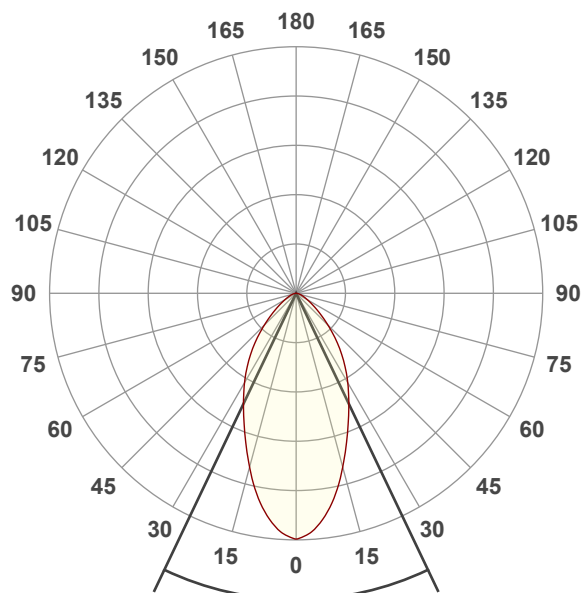
6500K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 16:55:17

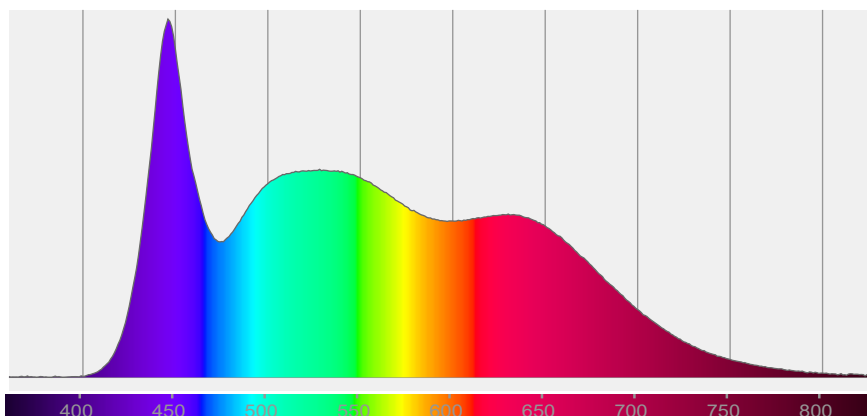


Beam angle 50%: 51°

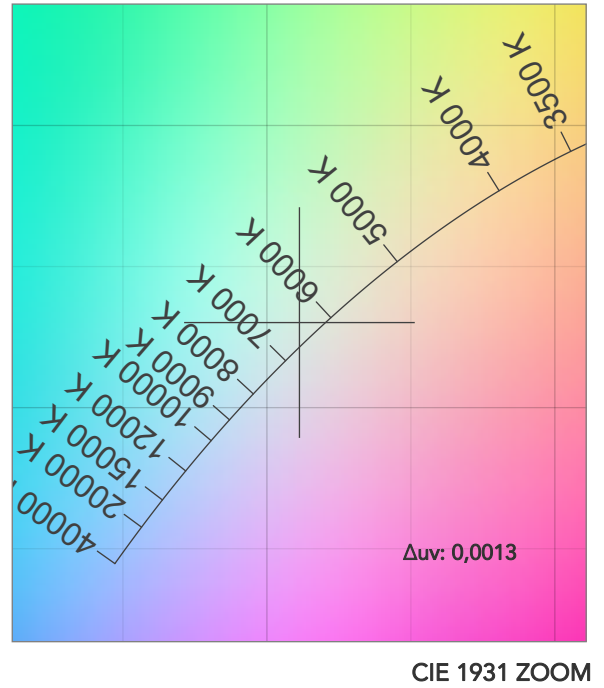
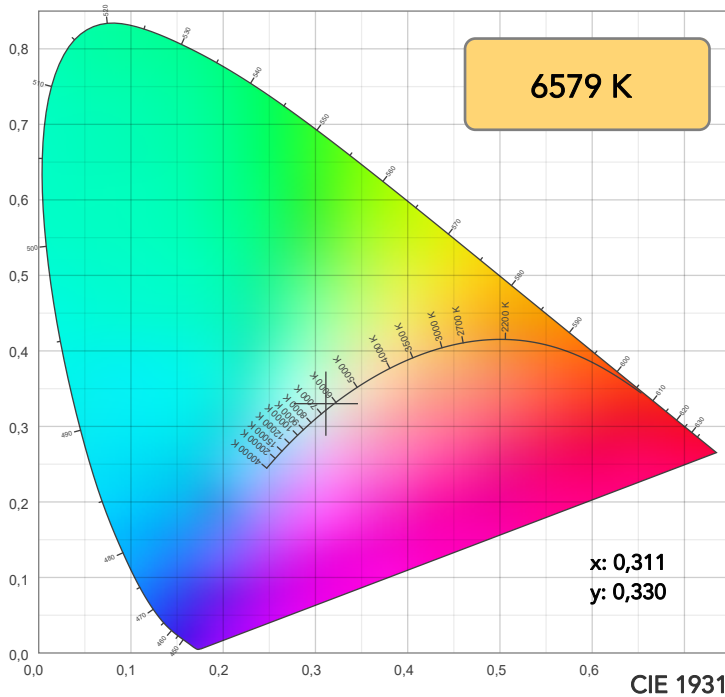
Field angle 10%: 105,4°

Cut off angle 2.5%: 139,2°

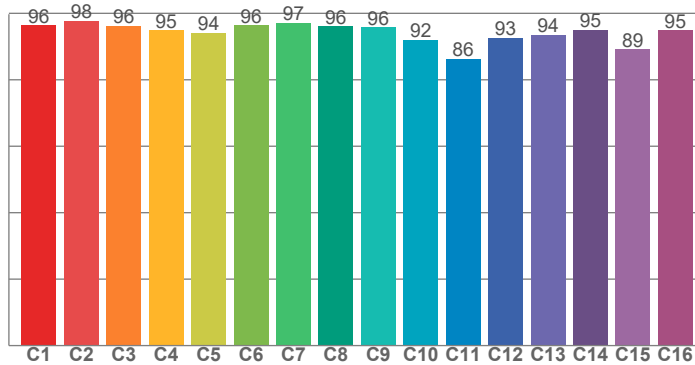
Spectra



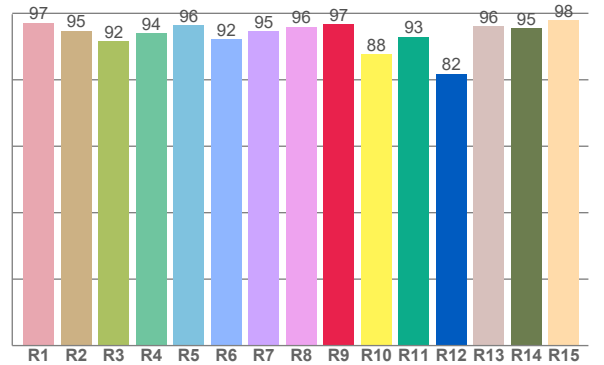
COLOR DETAILS



TM30: 94,2



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
97,1	94,8	91,6	94,0	96,3	92,3	94,5	96,0	96,6	87,6	92,9	81,8	96,2	95,4	97,9

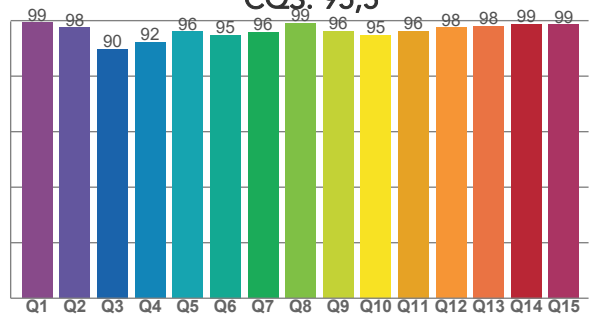
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,3	97,6	89,8	92,2	96,1	94,9	95,8	99,0	96,2	94,8	96,3	97,5	98,0	98,8	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
6579 K	94,6	96,6	94,2	101,8	95,5	99	0,311	0,330	0,0013

TM30 DETAILS

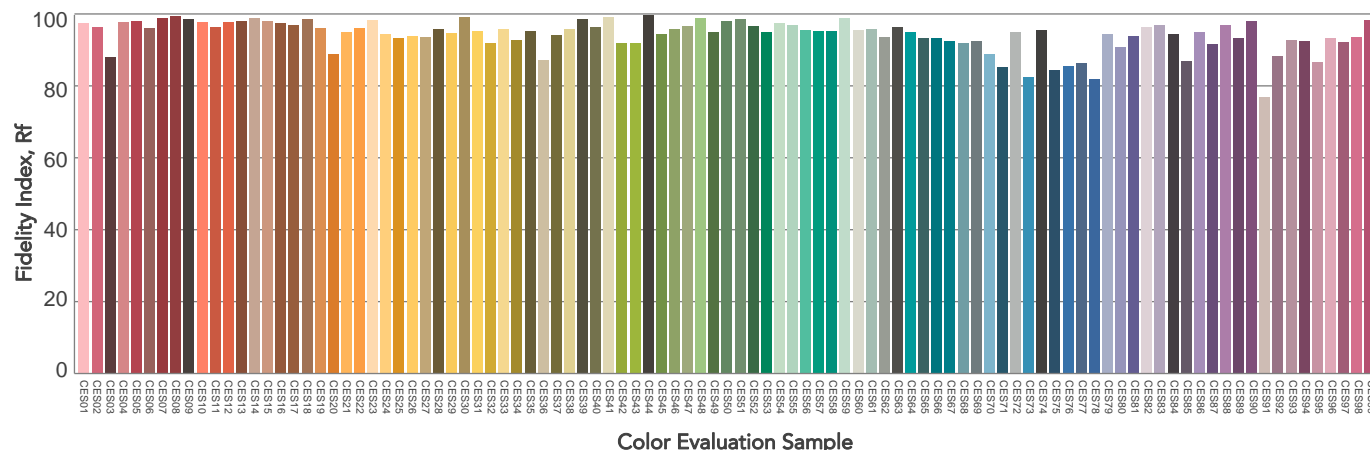
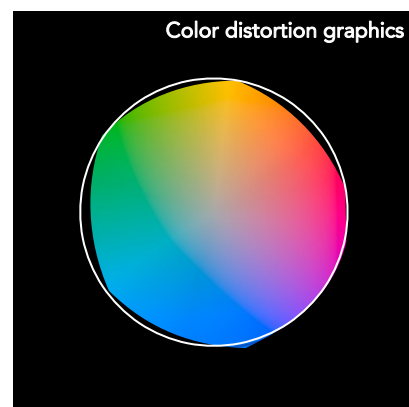
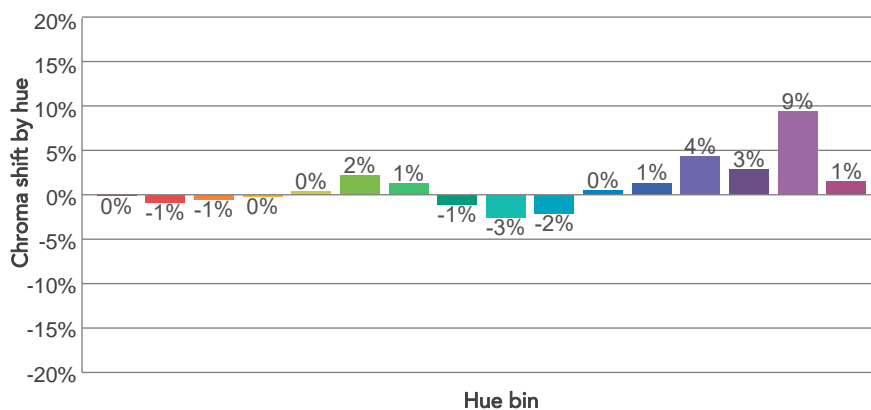
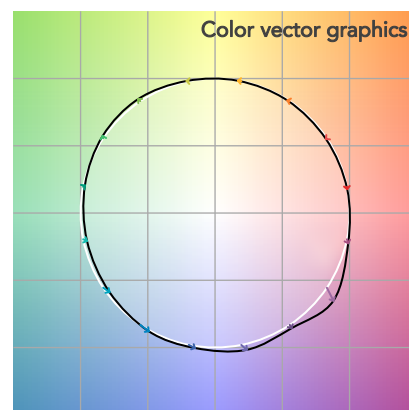
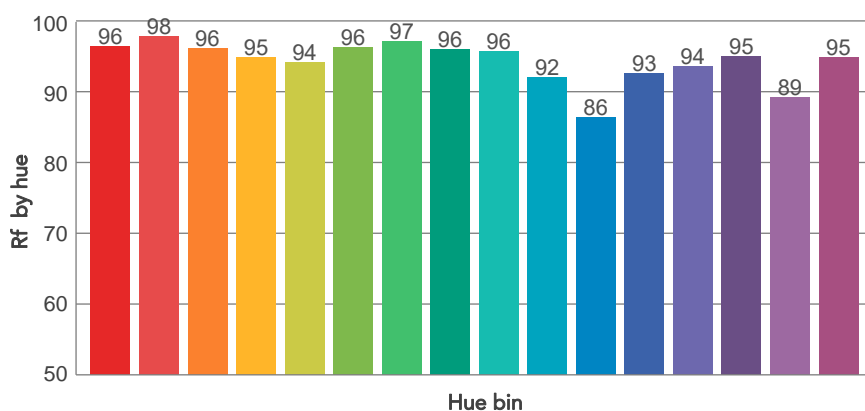
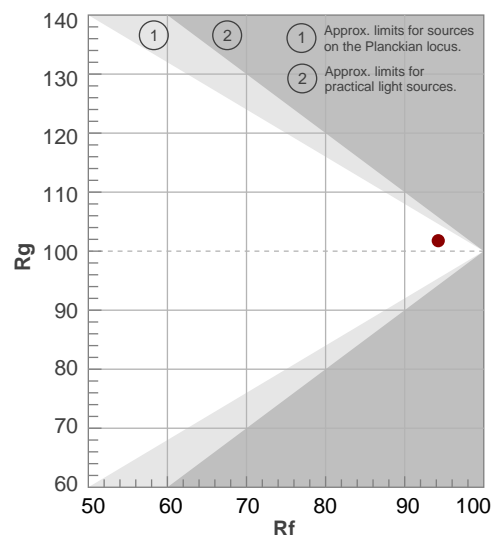
Rf 94,2

Fidelity index Rf

Rg 101,8

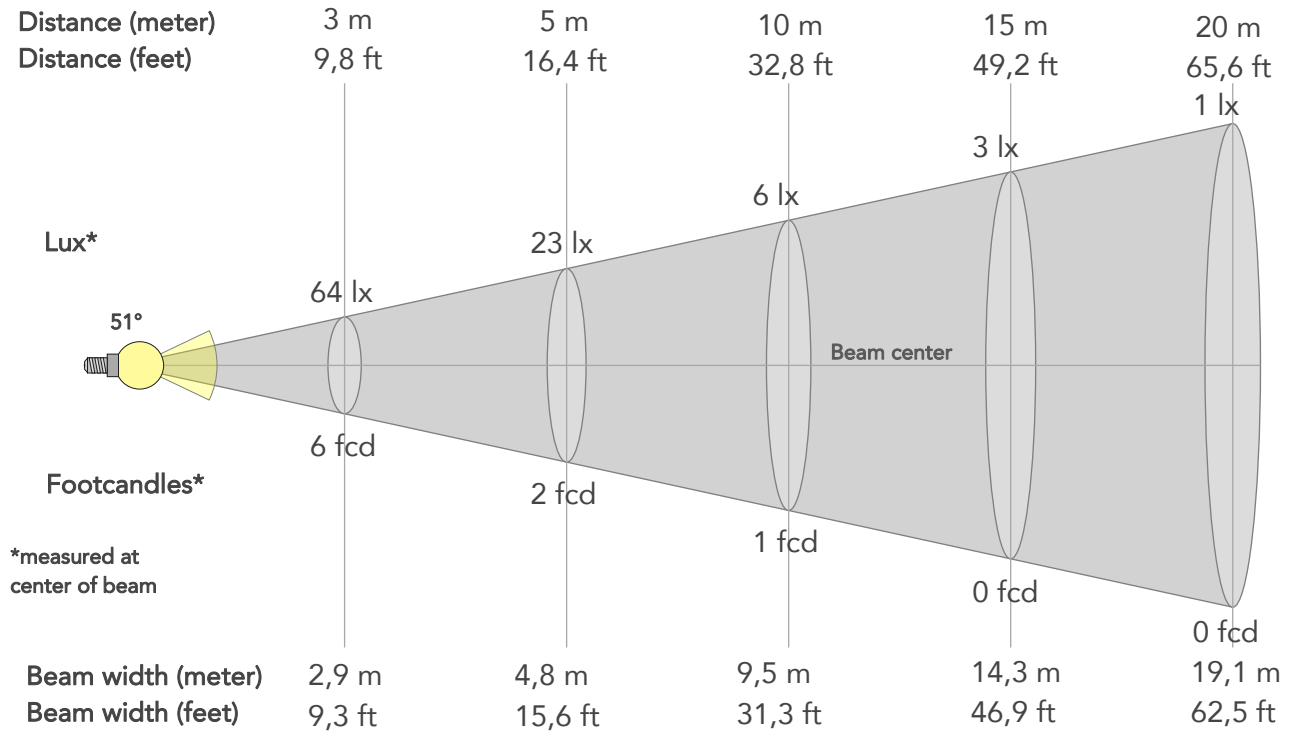
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-2%
2	98	-1%	0%
3	96	-1%	2%
4	95	0%	2%
5	94	0%	2%
6	96	2%	1%
7	97	1%	-1%
8	96	-1%	-1%
9	96	-3%	2%
10	92	-2%	5%
11	86	0%	8%
12	93	1%	5%
13	94	4%	3%
14	95	3%	0%
15	89	9%	-5%
16	95	1%	-3%



BEAM DETAILS

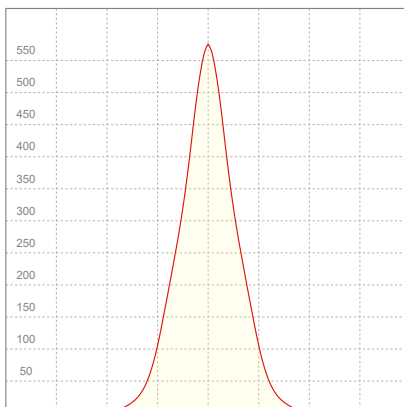
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
51°	105,4°	139,2°	94,0%	80,5%



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	574lx	143lx	64lx	36lx	23lx	10lx	6lx	3lx	1lx	1lx	1lx	0lx	0lx
Footcand.	53fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1m	1,9m	2,9m	3,8m	4,8m	7,1m	9,5m	14,3m	19,1m	23,8m	28,6m	38,1m	47,7m
Beam wid.	3,1ft	6,3ft	9,3ft	12,5ft	15,6ft	23,5ft	31,3ft	46,9ft	62,5ft	78,2ft	93,8ft	125,1ft	156,3ft

LINEAR DISTRIBUTION DIAGRAM

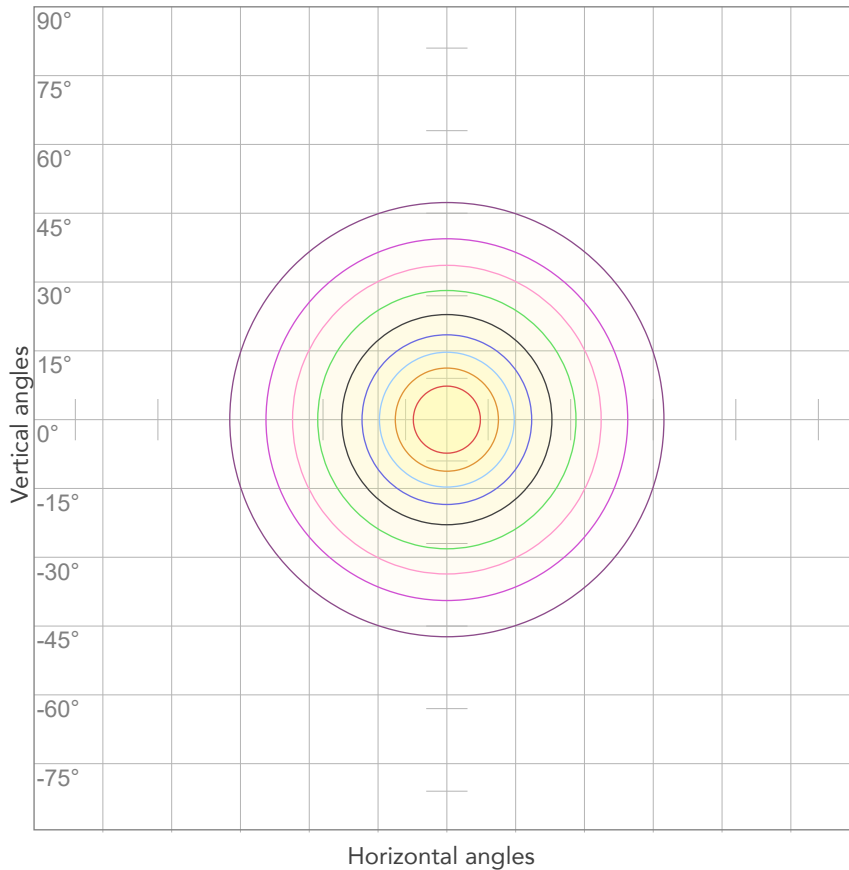


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,119A	23,7W	0,89	25lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



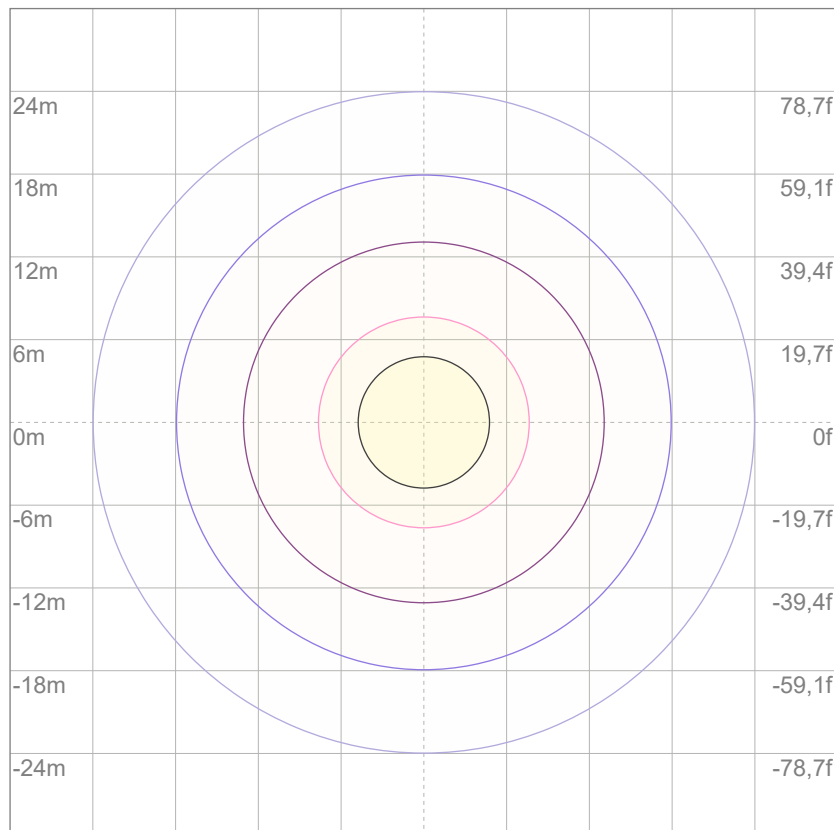
10%	57 cd
20%	115 cd
30%	172 cd
40%	230 cd
50%	287 cd
60%	344 cd
70%	402 cd
80%	459 cd

Conditions:

Number of c-planes: 2

Candela at center: 574 cd

ISO LUX DIAGRAM



3%	0,172 lx
5%	0,287 lx
10%	0,574 lx
30%	1,72 lx
50%	2,87 lx

Conditions:

Number of c-planes: 2

Lux at center: 5,74 lx

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



Total lumen output:

940 lm

Peak candela output:

2094 cd

Light quality:

CRI: 94,9

Color temperature:

6539 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 10°x 60° Filter

Target:

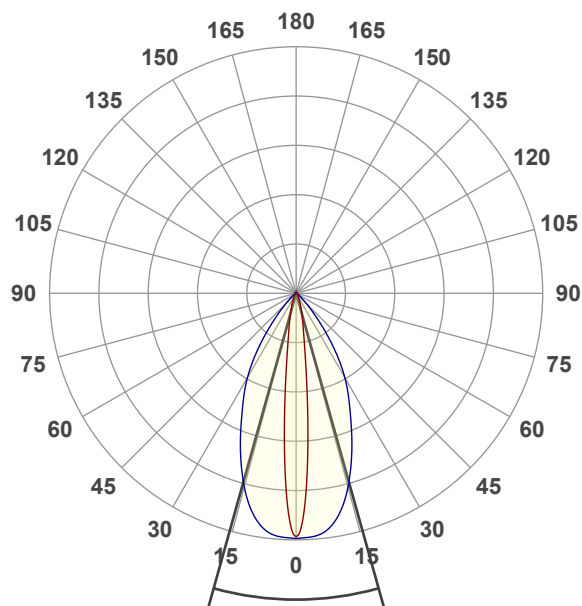
6500K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 17:46:45

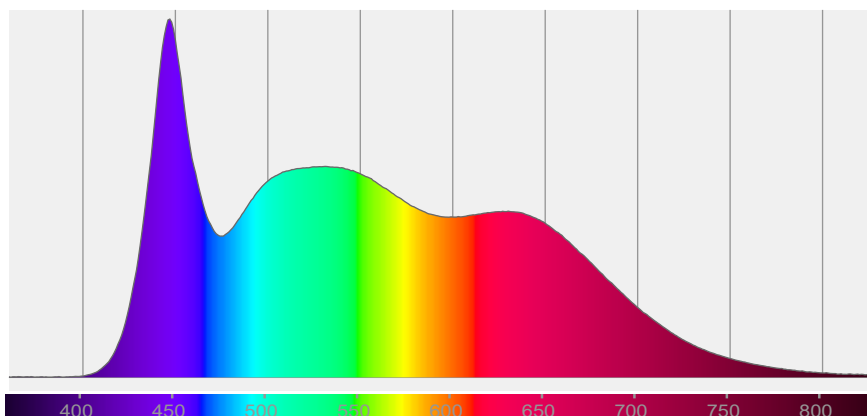


Beam angle 50%: 31,2°

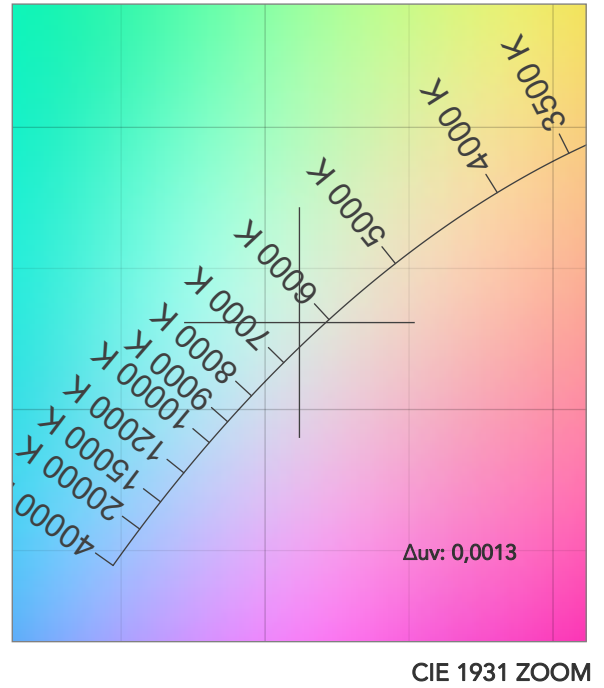
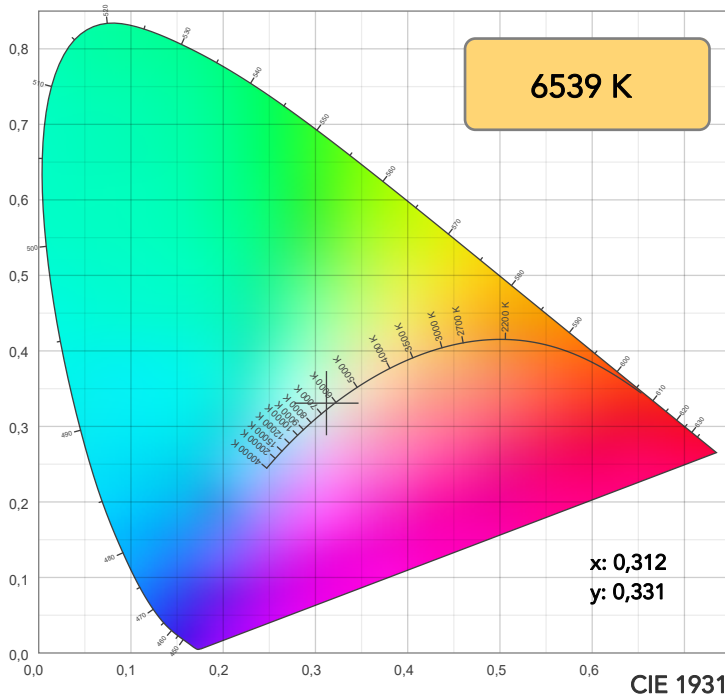
Field angle 10%: 56,2°

Cut off angle 2.5%: 77,9°

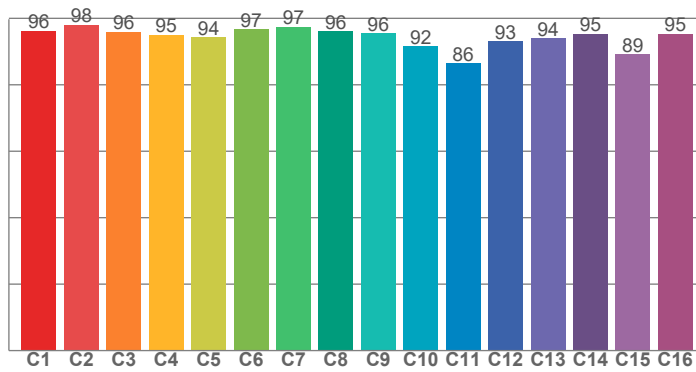
Spectra



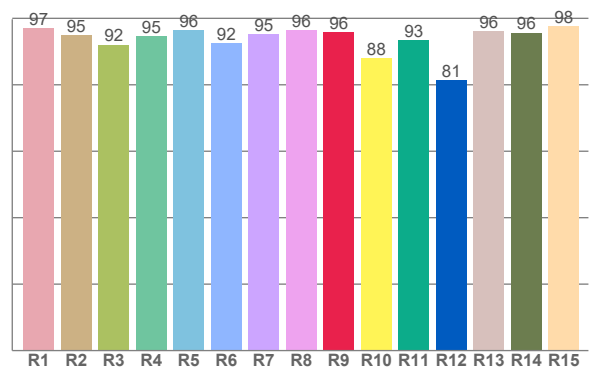
COLOR DETAILS



TM30: 94,4



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
97,1	95,0	92,1	94,7	96,3	92,4	95,1	96,5	95,9	88,1	93,5	81,3	96,2	95,7	97,7

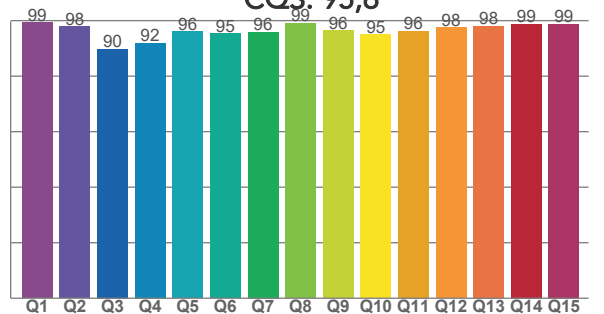
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,3	98,0	95,9	95,0	94,3	96,7	97,4	96,1	95,5	91,6	86,5	93,1	93,9	95,4	89,1	95,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,3	97,8	89,8	91,9	96,0	95,4	95,9	99,0	96,4	95,0	96,3	97,5	98,1	98,8	98,7

CQS: 95,6



COLOR PARAMETERS

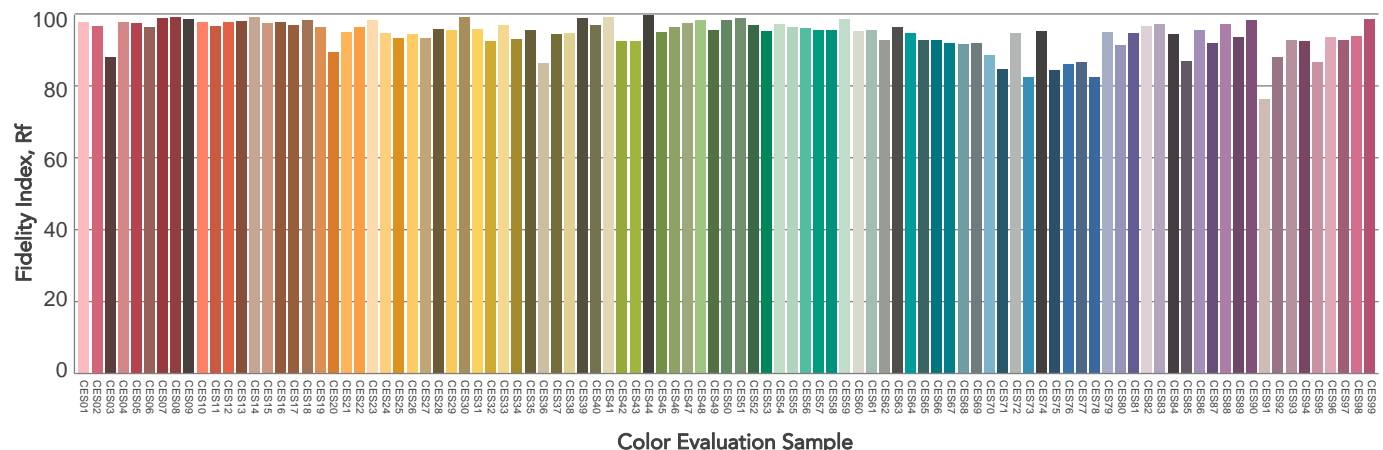
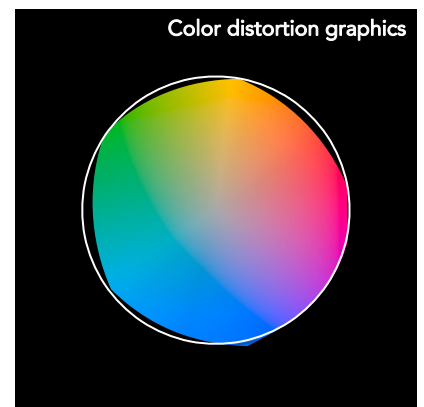
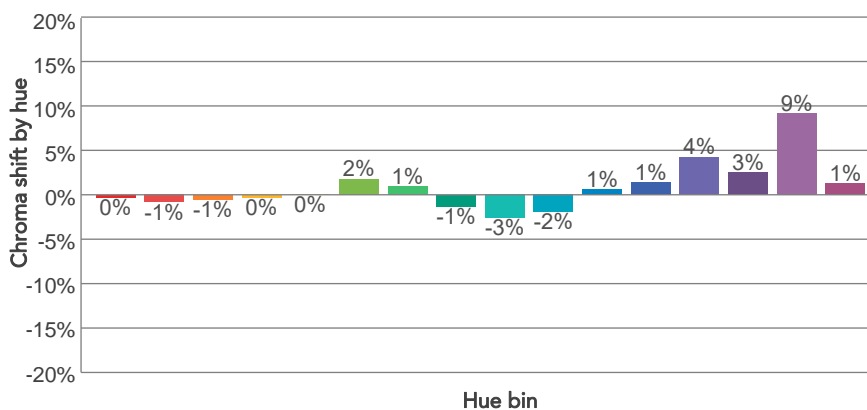
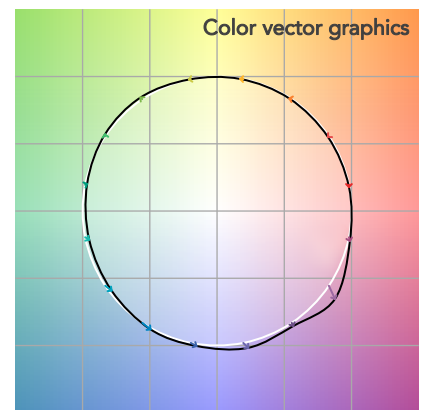
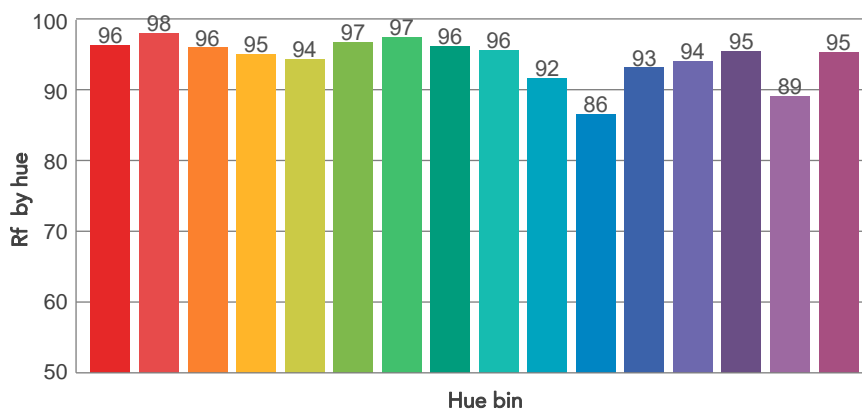
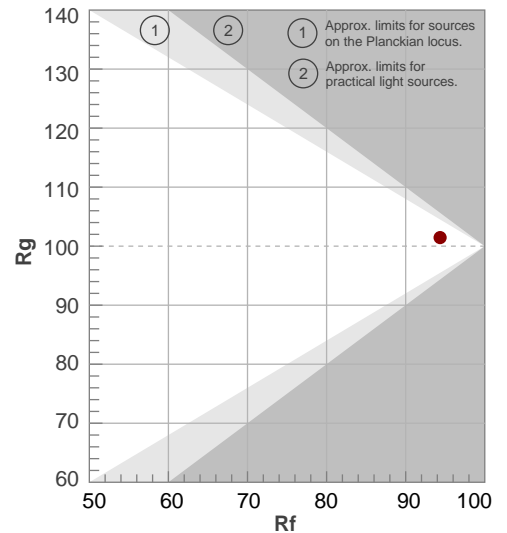
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6539 K	94,9	95,9	94,4	101,5	95,6	99	0,312	0,331	0,0013

TM30 DETAILS

Rf 94,4
Fidelity index Rf

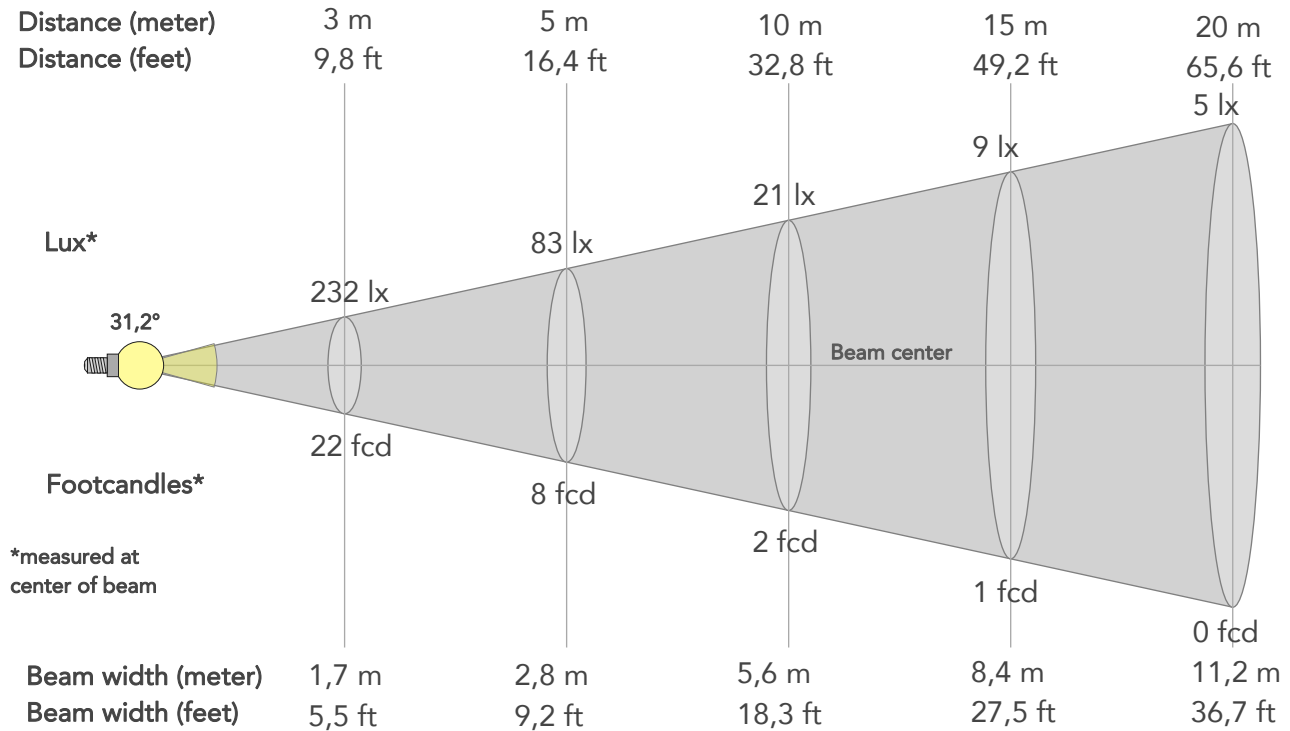
Rg 101,5
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-2%
2	98	-1%	0%
3	96	-1%	2%
4	95	0%	2%
5	94	0%	1%
6	97	2%	0%
7	97	1%	-1%
8	96	-1%	-1%
9	96	-3%	2%
10	92	-2%	6%
11	86	1%	8%
12	93	1%	5%
13	94	4%	3%
14	95	3%	0%
15	89	9%	-6%
16	95	1%	-3%



BEAM DETAILS

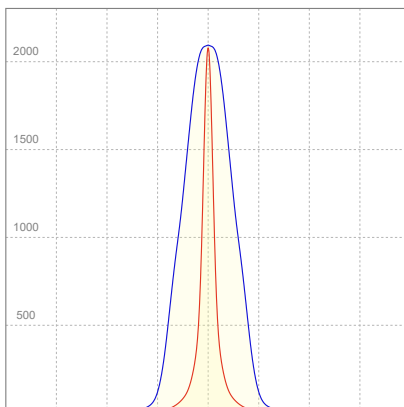
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
31,2°	56,2°	77,9°	98,0%	93,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2085lx	521lx	232lx	130lx	83lx	37lx	21lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	194fcd	48fcd	22fcd	12fcd	8fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,1m	1,7m	2,2m	2,8m	4,2m	5,6m	8,4m	11,2m	14m	16,8m	22,4m	28m
Beam wid.	1,8ft	3,7ft	5,5ft	7,3ft	9,2ft	13,8ft	18,3ft	27,5ft	36,7ft	45,8ft	55ft	73,3ft	91,7ft

LINEAR DISTRIBUTION DIAGRAM

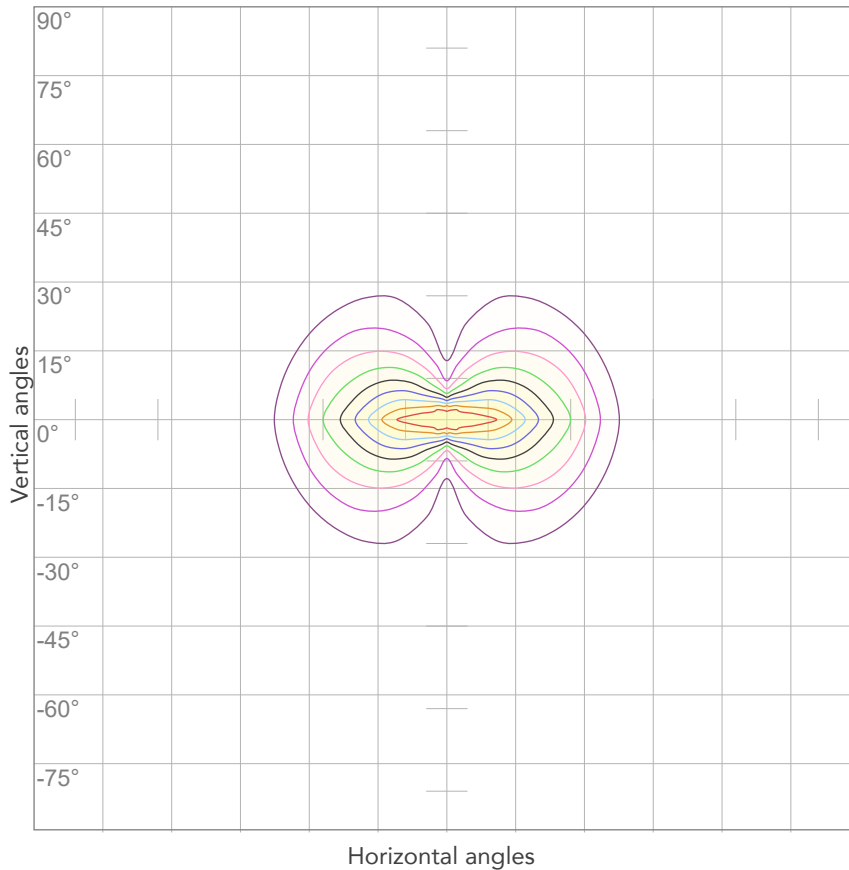


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,115A	22,6W	0,87	42lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



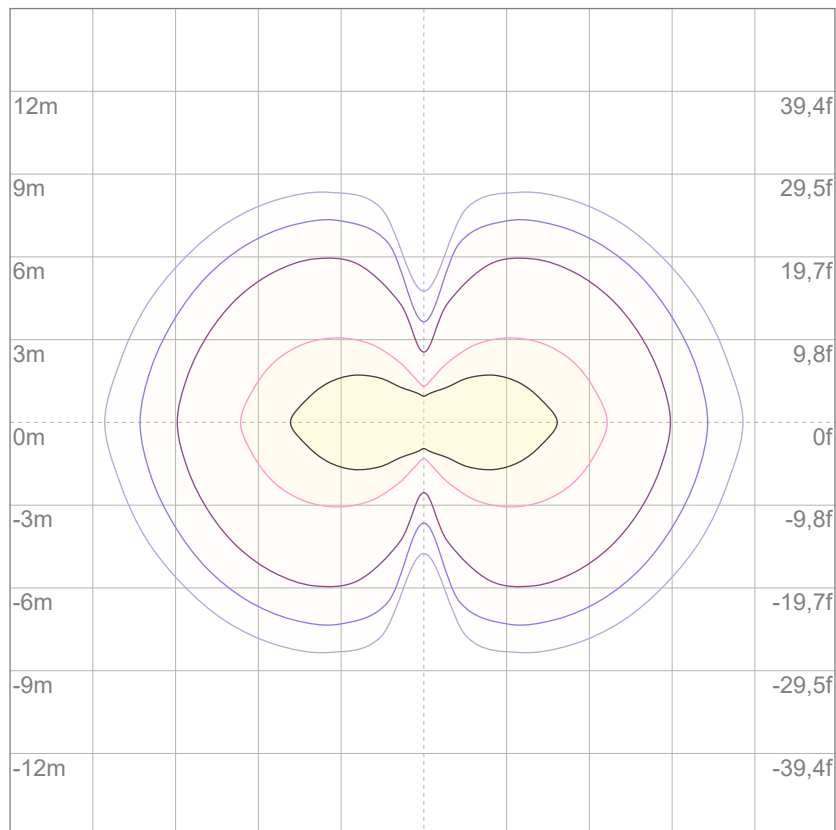
10%	209 cd
20%	417 cd
30%	626 cd
40%	834 cd
50%	1043 cd
60%	1251 cd
70%	1460 cd
80%	1668 cd

Conditions:

Number of c-planes: 4

Candela at center: 2085 cd

ISO LUX DIAGRAM



3%	0,626 lx
5%	1,04 lx
10%	2,09 lx
30%	6,26 lx
50%	10,4 lx

Conditions:

Number of c-planes: 4

Lux at center: 20,9 lx

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



Total lumen output:

622 lm

Peak candela output:

938 cd

Light quality:

CRI: 95,1

Color temperature:

6568 K

PRODUCT NAME:

ARCSPOTDOT VW

MEASURAMENT CONDITIONS:

Beam angle:

5°+ 30°x 60° Filter

Target:

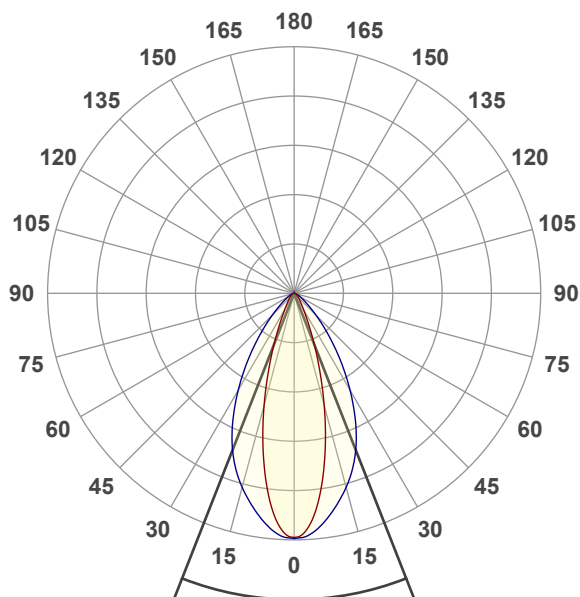
6500K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 17:52:14

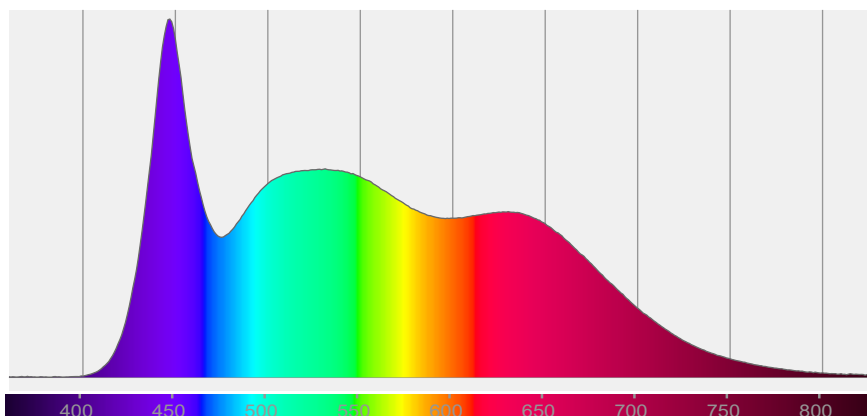


Beam angle 50%: 42,9°

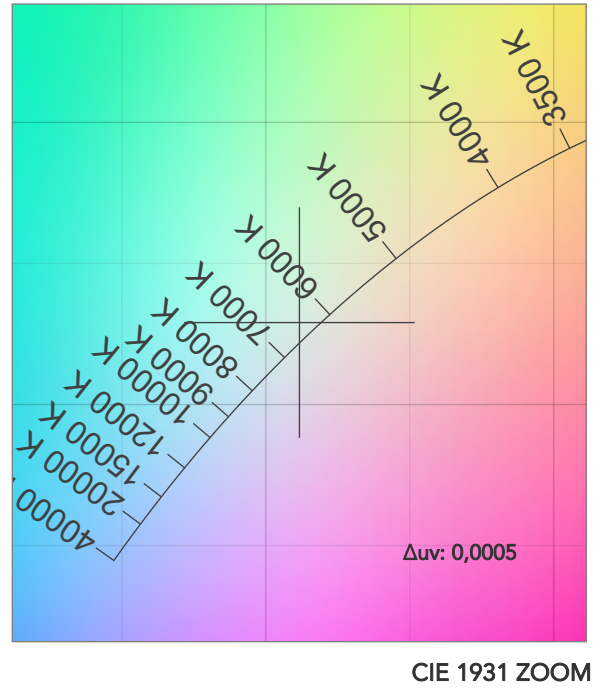
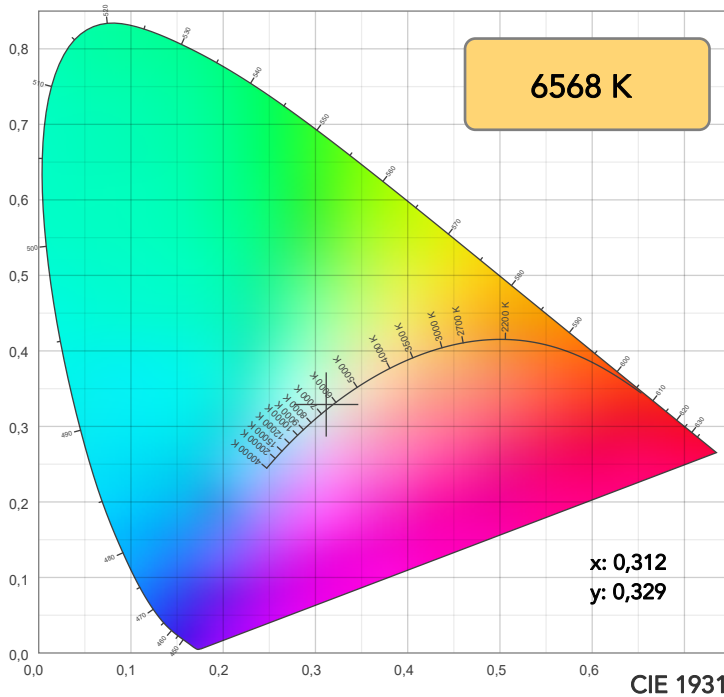
Field angle 10%: 74,9°

Cut off angle 2.5%: 106,3°

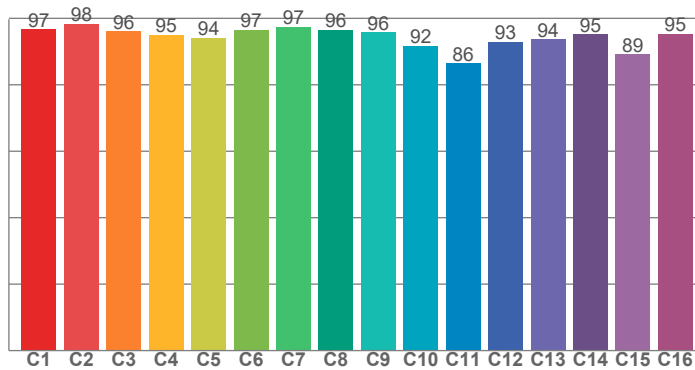
Spectra



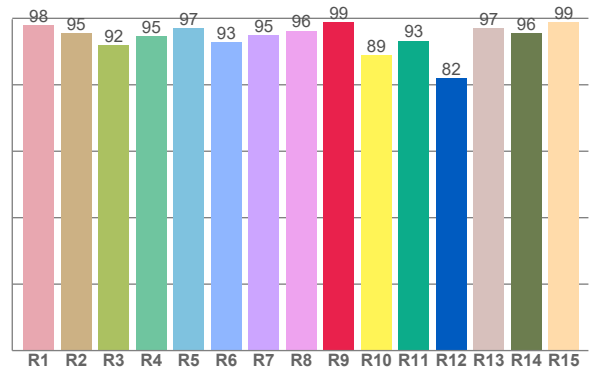
COLOR DETAILS



TM30: 94,4



CRI: 95,1 (R1-R8)



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

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

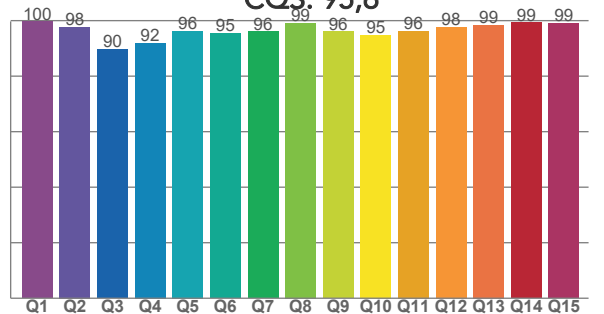
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,6	98,4	96,1	95,0	94,2	96,6	97,4	96,5	95,7	91,8	86,4	92,9	93,7	95,2	89,1	95,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,6	97,7	89,7	91,9	96,3	95,4	96,1	99,1	96,1	94,9	96,3	97,8	98,5	99,3	99,0

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
6568 K	95,1	98,8	94,4	101,8	95,6	99	0,312	0,329	0,0005

TM30 DETAILS

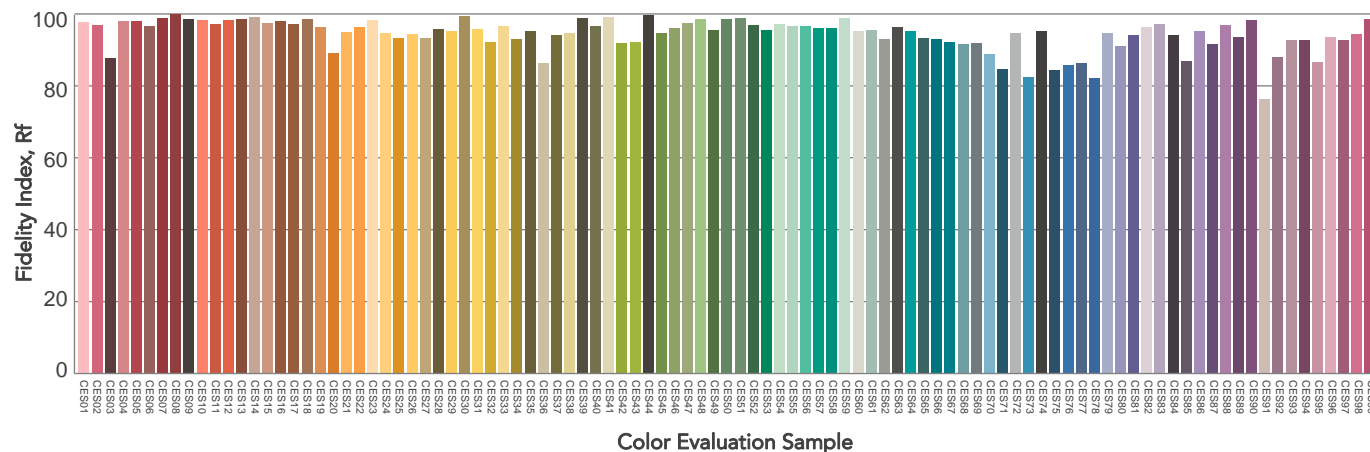
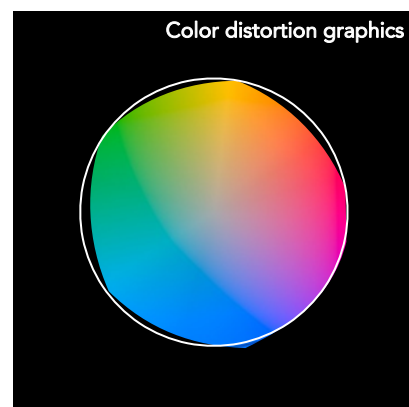
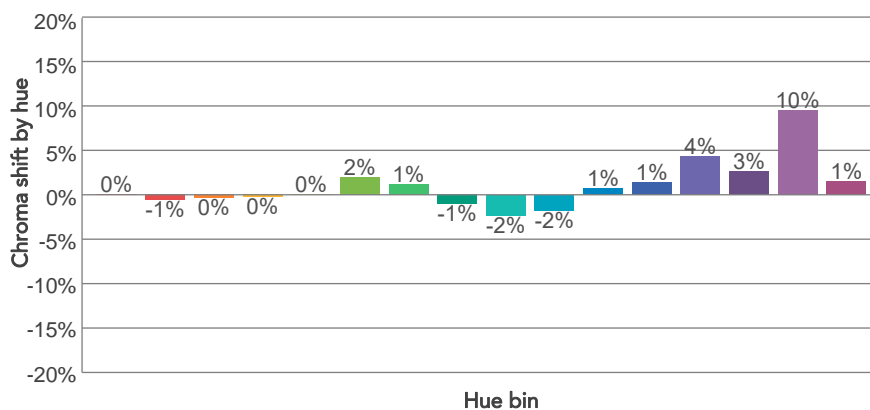
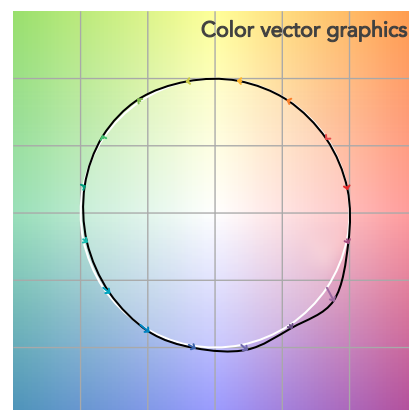
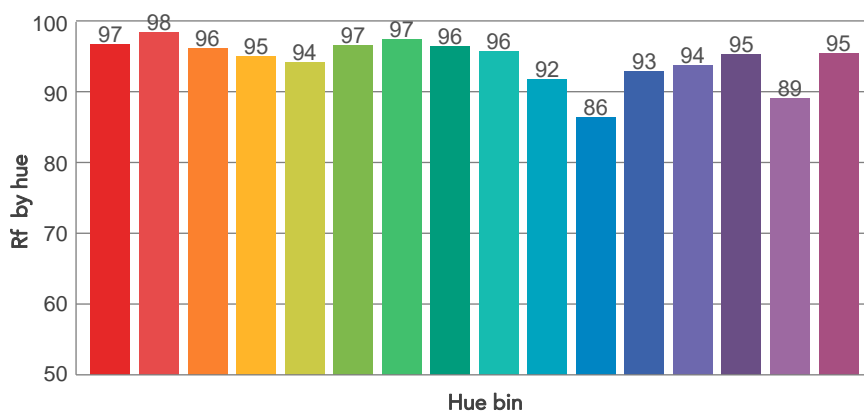
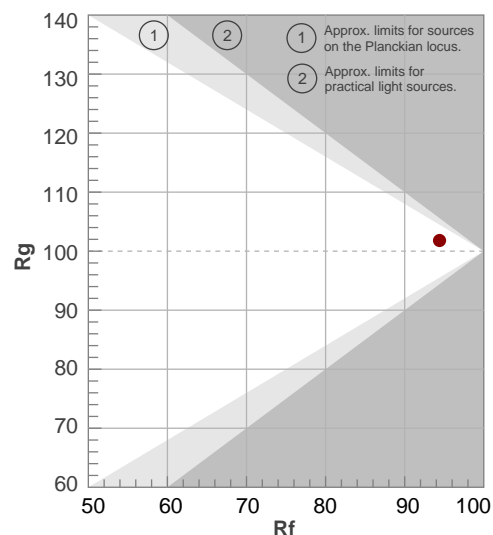
Rf 94,4

Fidelity index Rf

Rg 101,8

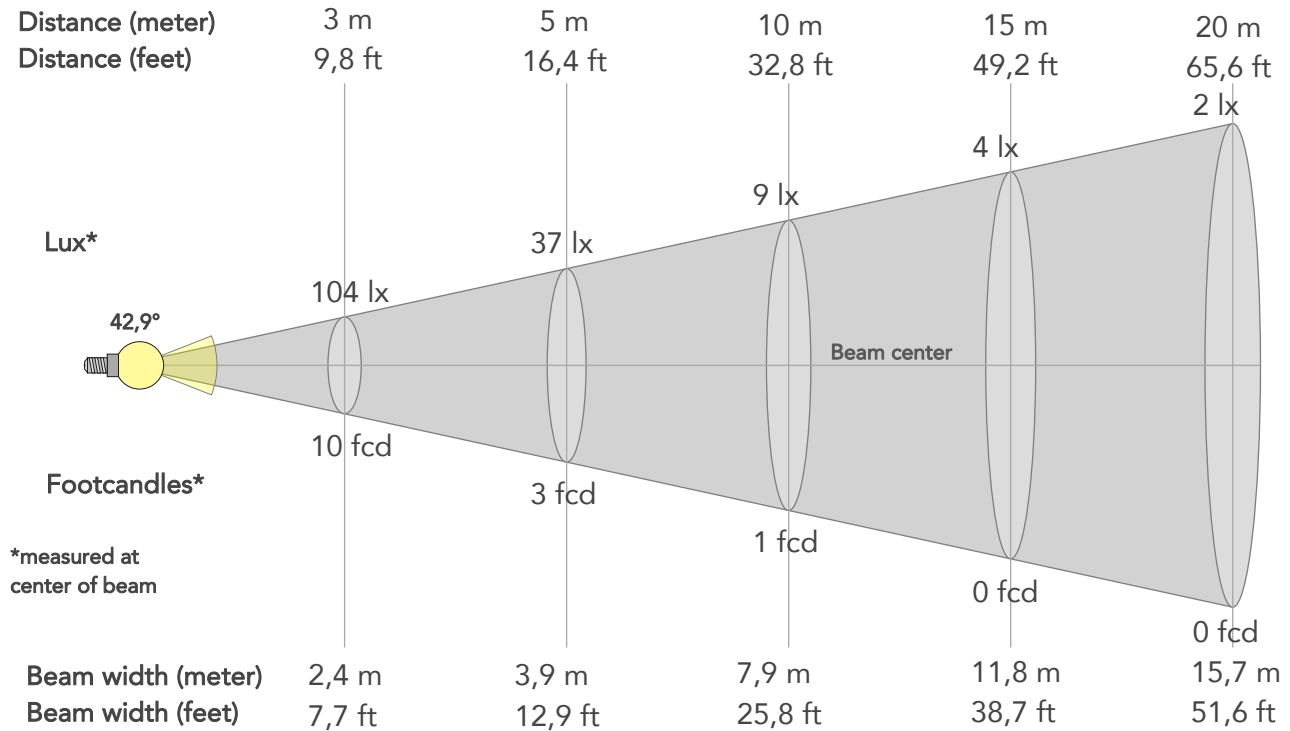
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	0%	-1%
2	98	-1%	0%
3	96	0%	2%
4	95	0%	2%
5	94	0%	1%
6	97	2%	1%
7	97	1%	-1%
8	96	-1%	-1%
9	96	-2%	2%
10	92	-2%	6%
11	86	1%	8%
12	93	1%	5%
13	94	4%	3%
14	95	3%	0%
15	89	10%	-5%
16	95	1%	-2%



BEAM DETAILS

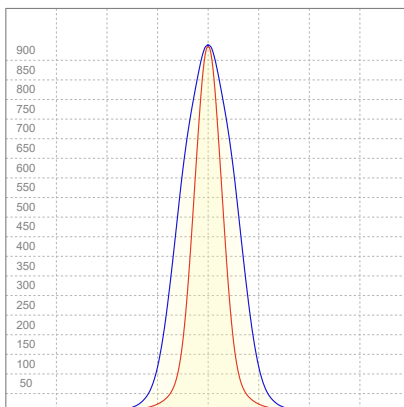
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
42,9°	74,9°	106,3°	96,1%	88,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	936lx	234lx	104lx	59lx	37lx	17lx	9lx	4lx	2lx	1lx	1lx	1lx	0lx
Footcand.	87fcd	22fcd	10fcd	5fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,1m	3,9m	5,9m	7,9m	11,8m	15,7m	19,6m	23,6m	31,4m	39,3m
Beam wid.	2,6ft	5,2ft	7,7ft	10,3ft	12,9ft	19,3ft	25,8ft	38,7ft	51,6ft	64,4ft	77,3ft	103,1ft	128,9ft

LINEAR DISTRIBUTION DIAGRAM

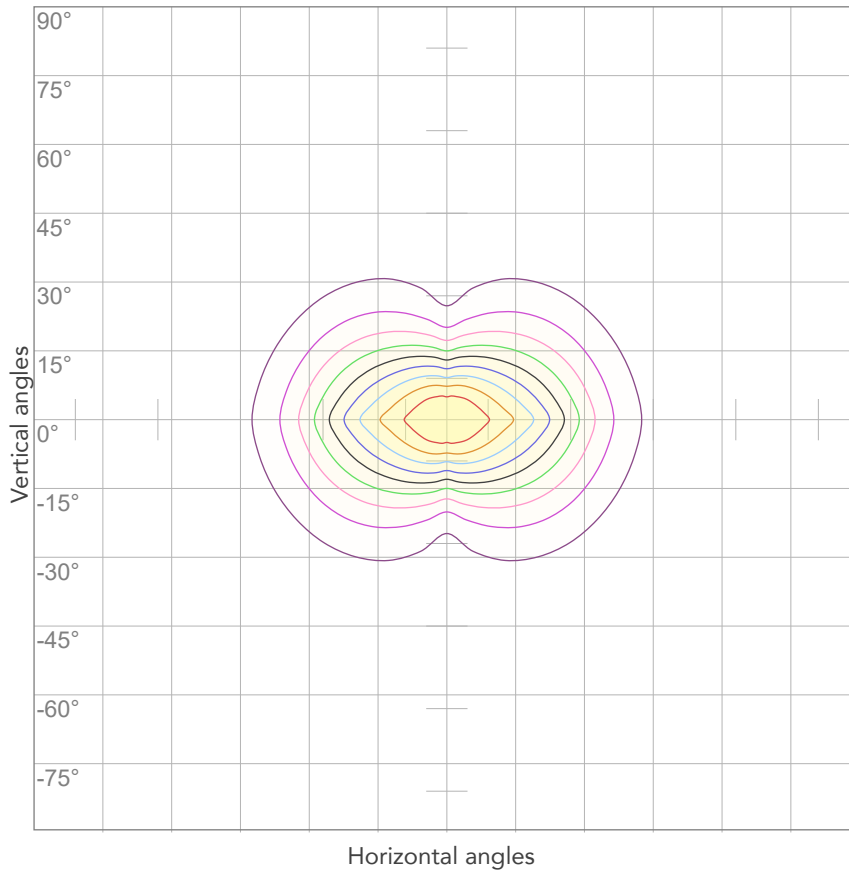


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,118A	23,2W	0,88	27lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



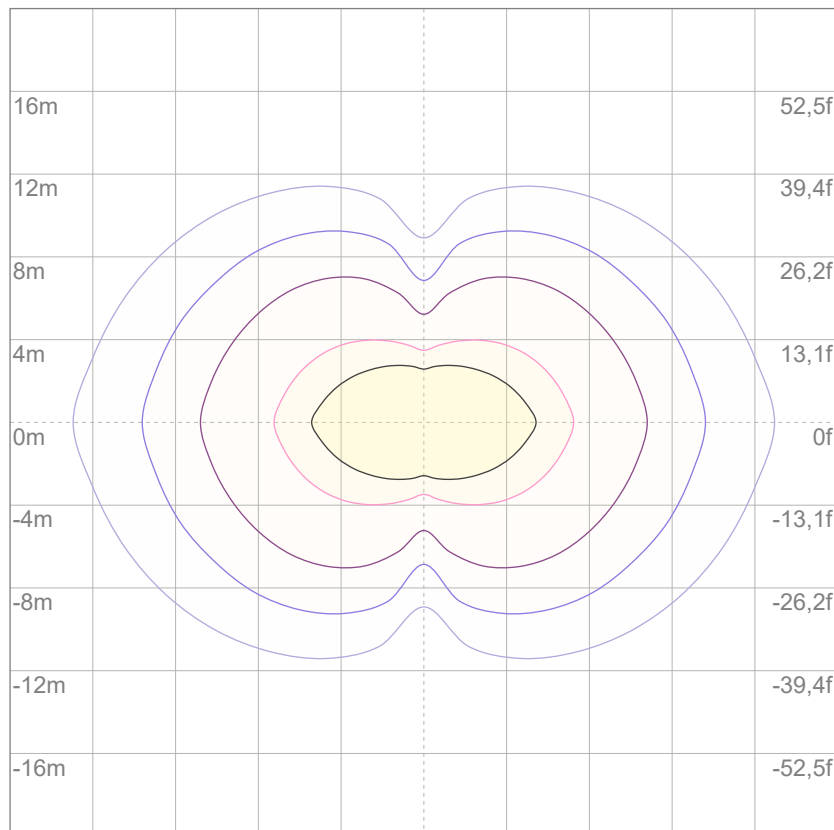
10%	94 cd
20%	187 cd
30%	281 cd
40%	375 cd
50%	468 cd
60%	562 cd
70%	656 cd
80%	749 cd

Conditions:

Number of c-planes: 4

Candela at center: 936 cd

ISO LUX DIAGRAM



3%	0,281 lx
5%	0,468 lx
10%	0,936 lx
30%	2,81 lx
50%	4,68 lx

Conditions:

Number of c-planes: 4

Lux at center: 9,36 lx

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