

Photometric Test Report



ArcSpot XLVW

IP66 Spot featuring 13'000 lumen with
61 x 4W Variable White source,
10° native

CONTENTS

Table of contents	2
Testing process	4
Color preset Full on	
Beam angle 10°	5
Beam angle 10°+20° Filter	10
Beam angle 10°+40° Filter	15
Beam angle 10°+60° Filter	20
Beam angle 10°+10°x60° Filter	25
Beam angle 10°+30°x60° Filter	30
Color preset Warm White	
Beam angle 10°	35
Beam angle 10°+20° Filter	40
Beam angle 10°+40° Filter	45
Beam angle 10°+60° Filter	50
Beam angle 10°+10°x60° Filter	55
Beam angle 10°+30°x60° Filter	60
Color preset Cold White	
Beam angle 10°	65
Beam angle 10°+20° Filter	70
Beam angle 10°+40° Filter	75
Beam angle 10°+60° Filter	80
Beam angle 10°+10°x60° Filter	85
Beam angle 10°+30°x60° Filter	90
Color preset 2700K	
Beam angle 10°	95
Beam angle 10°+20° Filter	100
Beam angle 10°+40° Filter	105
Beam angle 10°+60° Filter	110
Beam angle 10°+10°x60° Filter	115
Beam angle 10°+30°x60° Filter	120

Color preset 3200K

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

Color preset 4000K

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

Color preset 5600K

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

Color preset 6500K

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

TESTING PROCESS

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

Prolights measurement instrument

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

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

Prolights measurement software

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

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



Total lumen output:

13130 lm

Peak candela output:

257075 cd

Light quality:

CRI: 96,4

Color temperature:

4454 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

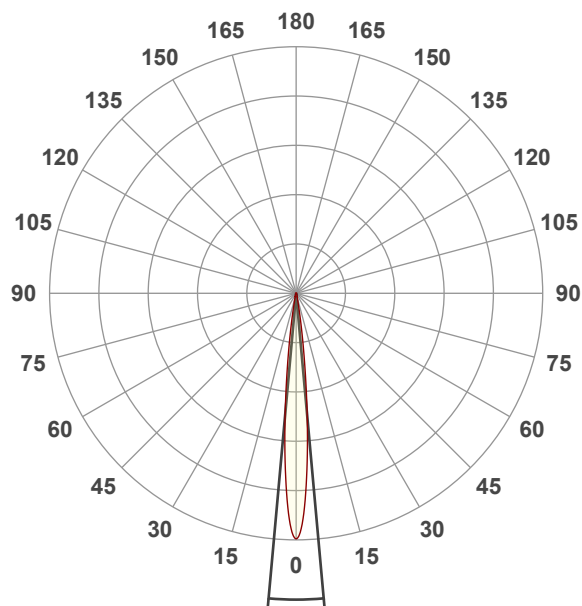
Full On

Operator:

Salvatore Giglio

Date and time:

23/04/2024 12:35:27

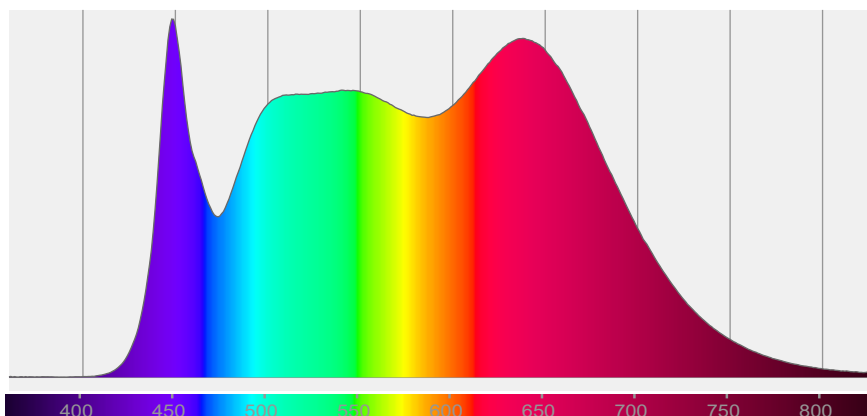


Beam angle 50%: 10,3°

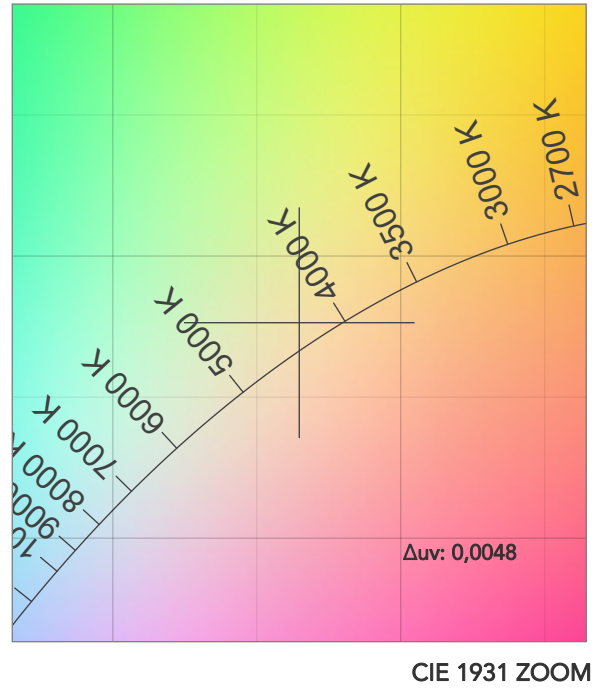
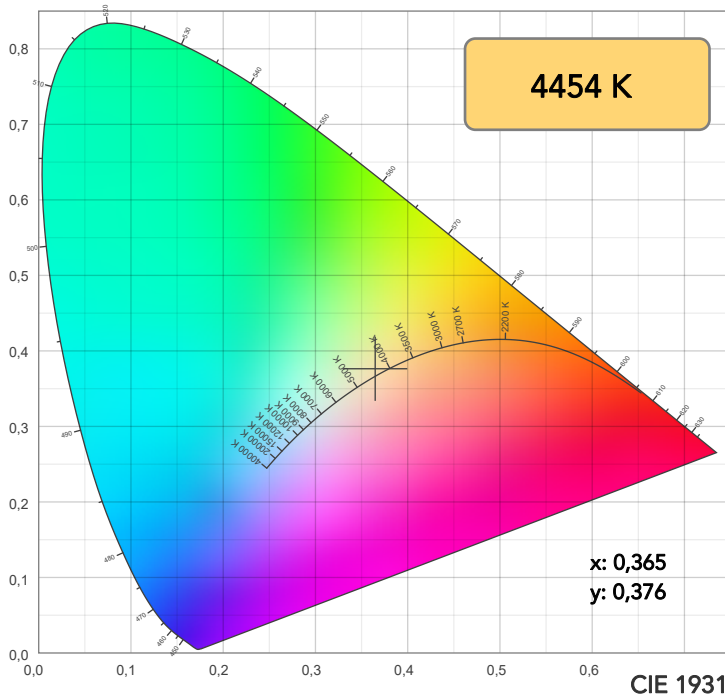
Field angle 10%: 18,9°

Cut off angle 2.5%: 25,9°

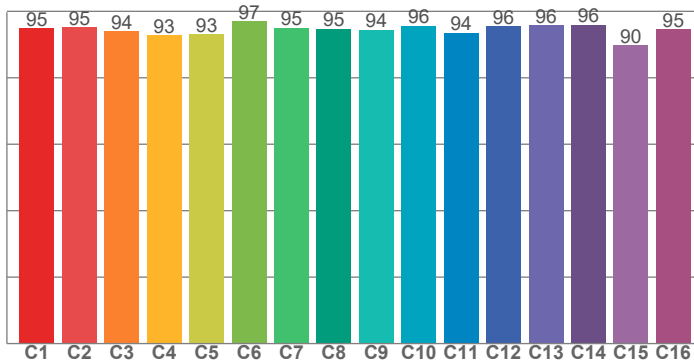
Spectra



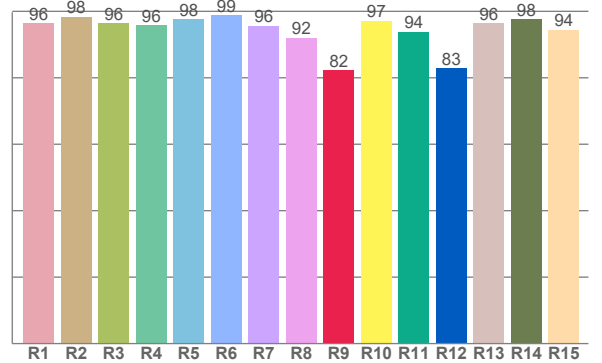
COLOR DETAILS



TM30: 94,4



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
96,4	98,3	96,4	95,9	97,7	98,9	95,6	92,0	82,3	97,2	93,8	82,9	96,3	97,7	94,5

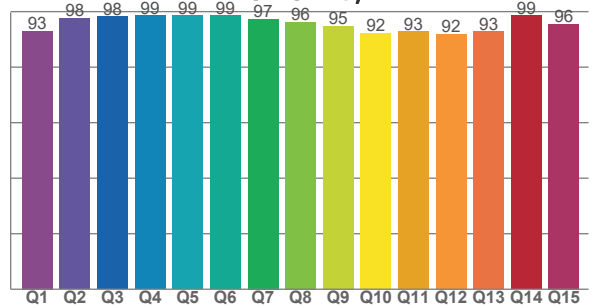
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,1	97,6	98,2	98,6	98,6	98,6	97,4	96,3	94,9	92,2	92,8	91,9	92,8	98,6	95,5

CQS: 95,1



COLOR PARAMETERS

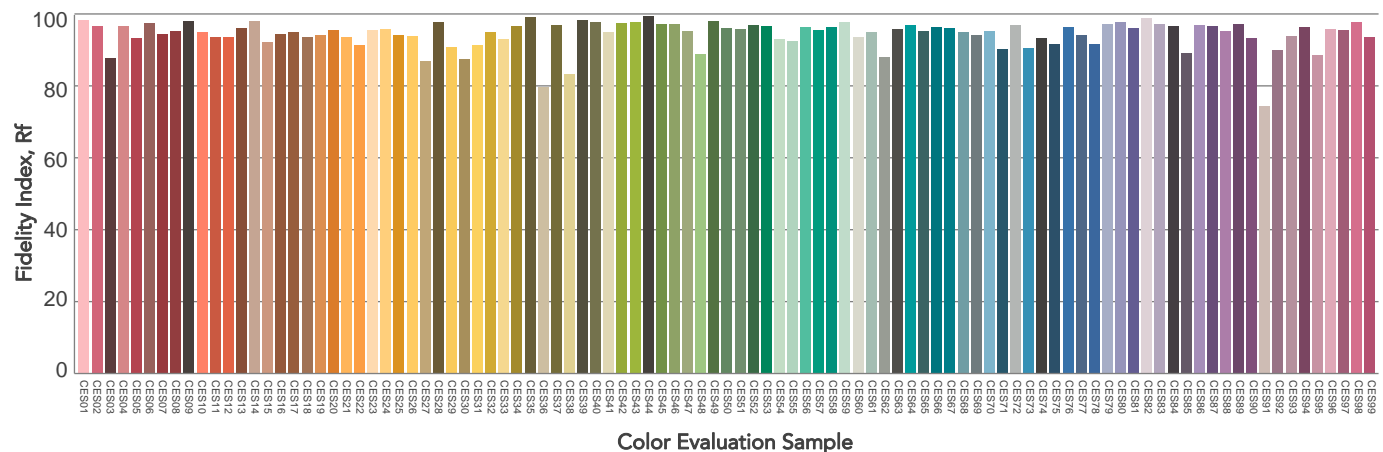
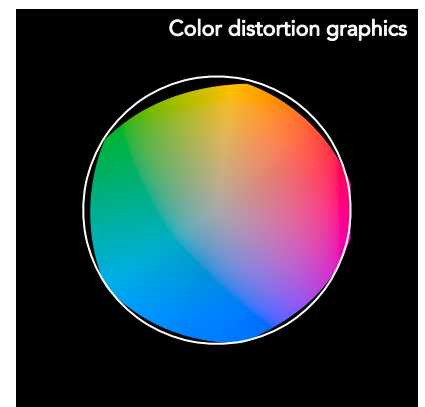
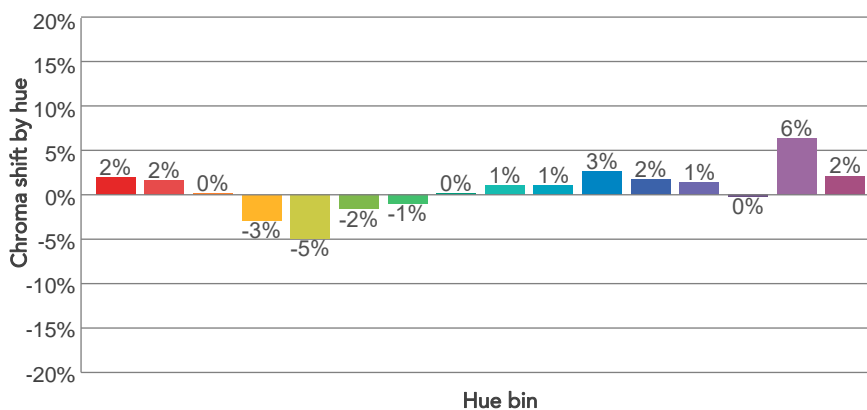
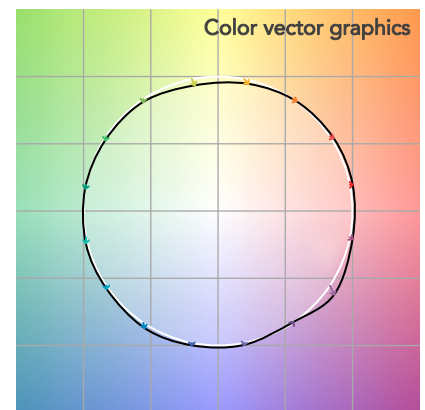
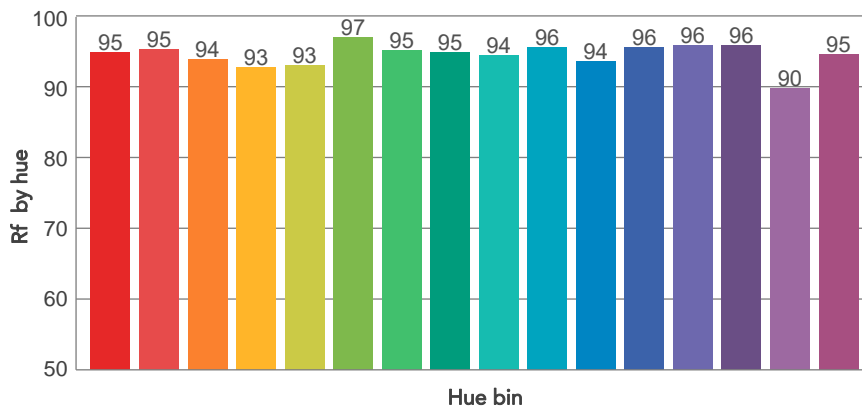
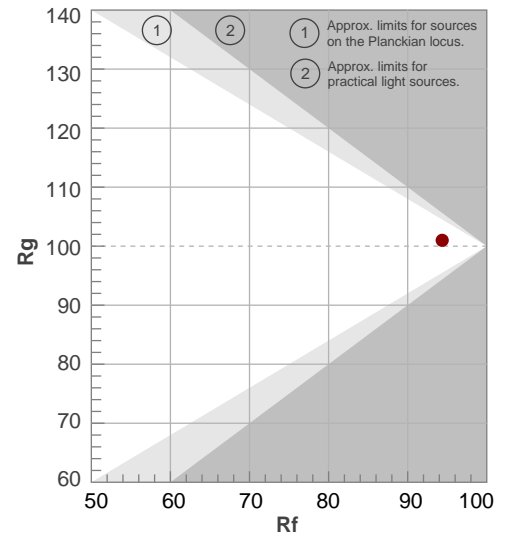
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4454 K	96,4	82,3	94,4	101,0	95,1	99	0,365	0,376	0,0048

TM30 DETAILS

Rf 94,4
Fidelity index Rf

Rg 101,0
Gammut index

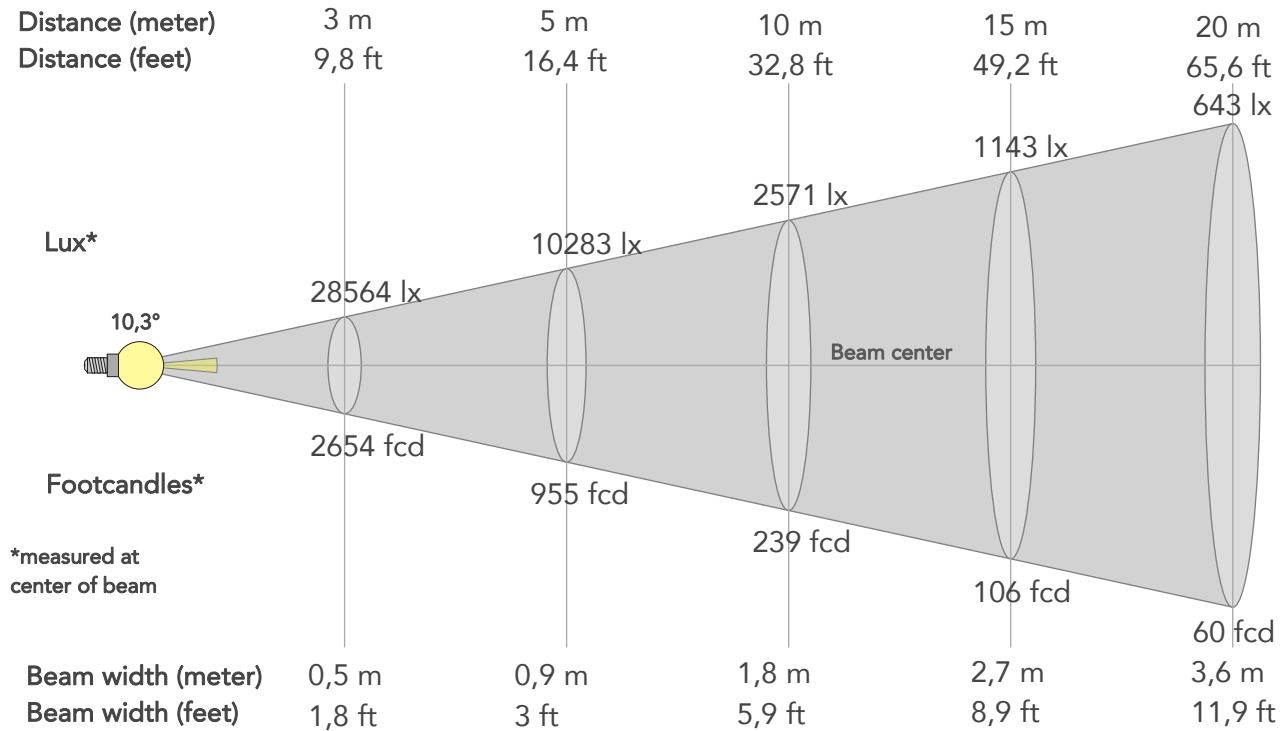
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	0%
2	95	2%	-3%
3	94	0%	-3%
4	93	-3%	-4%
5	93	-5%	-1%
6	97	-2%	1%
7	95	-1%	3%
8	95	0%	3%
9	94	1%	4%
10	96	1%	2%
11	94	3%	3%
12	96	2%	0%
13	96	1%	-1%
14	96	0%	1%
15	90	6%	-4%
16	95	2%	-1%



BEAM DETAILS



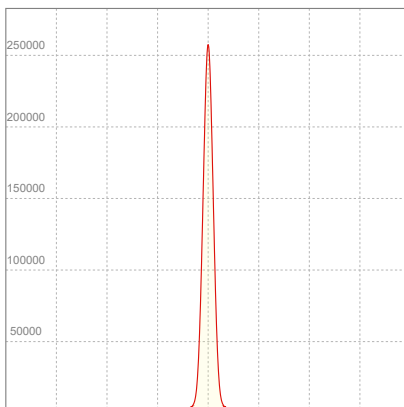
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,3°	18,9°	25,9°	94,6%	90,9%



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	257075lx	64269lx	28564lx	16067lx	10283lx	4570lx	2571lx	1143lx	643lx	411lx	286lx	161lx	103lx
Footcand.	23883fcd	5971fcd	2654fcd	1493fcd	955fcd	425fcd	239fcd	106fcd	60fcd	38fcd	27fcd	15fcd	10fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,4m	1,8m	2,7m	3,6m	4,5m	5,4m	7,2m	9m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,4ft	5,9ft	8,9ft	11,9ft	14,8ft	17,8ft	23,7ft	29,6ft

LINEAR DISTRIBUTION DIAGRAM

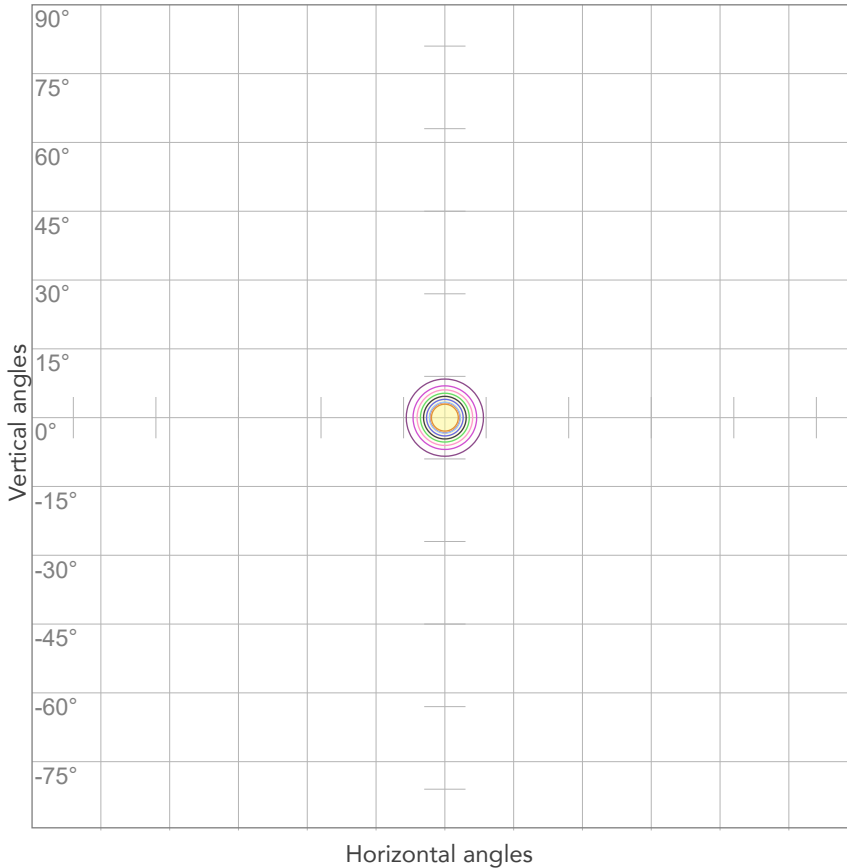


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	1,02A	220W	0,95	60lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



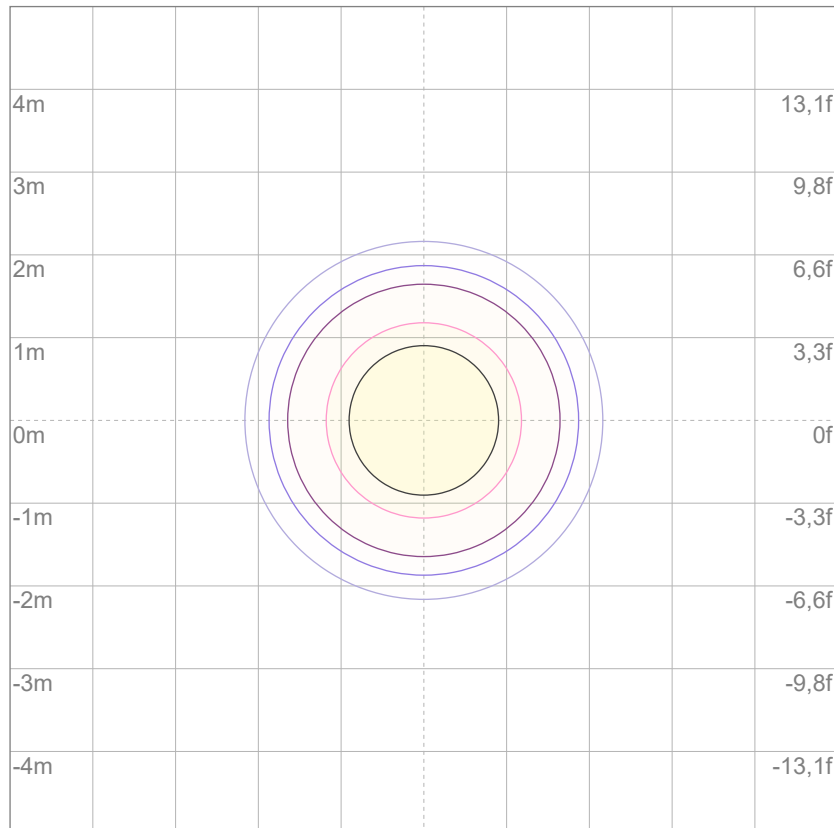
10%	25707 cd
20%	51415 cd
30%	77122 cd
40%	102830 cd
50%	128537 cd
60%	154245 cd
70%	179952 cd
80%	205660 cd

Conditions:

Number of c-planes: 2

Candela at center: 257075 cd

ISO LUX DIAGRAM



3%	77,1 lx
5%	129 lx
10%	257 lx
30%	771 lx
50%	1285 lx

Conditions:

Number of c-planes: 2

Lux at center: 2571 lx

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



Total lumen output:

11212 lm

Peak candela output:

44339 cd

Light quality:

CRI: 91,9

Color temperature:

4162 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

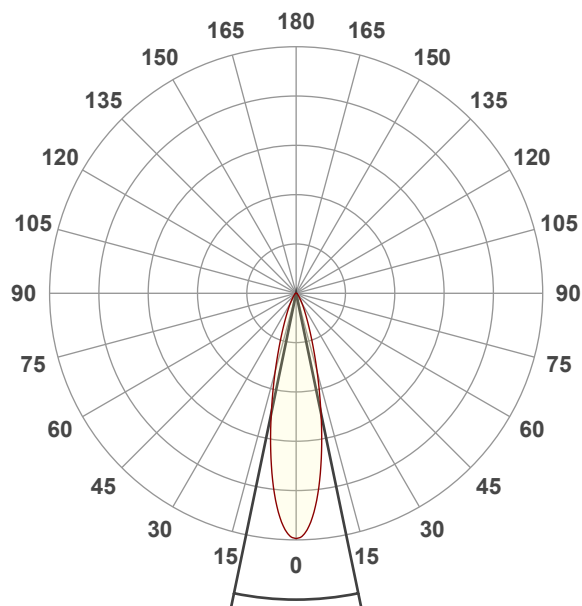
Full On

Operator:

Salvatore Giglio

Date and time:

27/02/2024 14:51:43

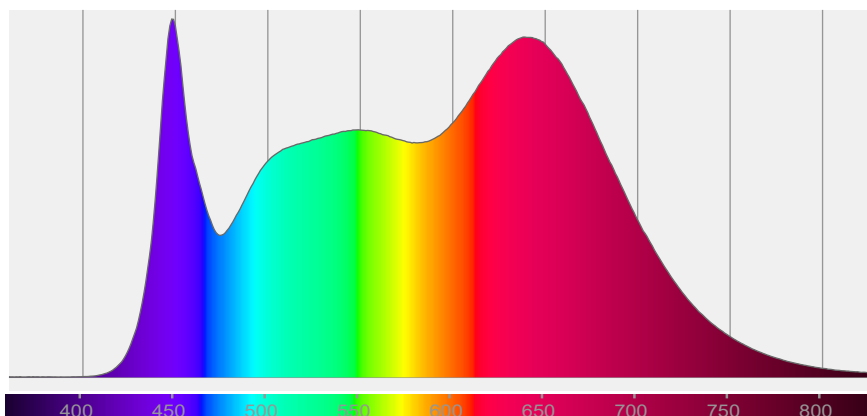


Beam angle 50%: 23,4°

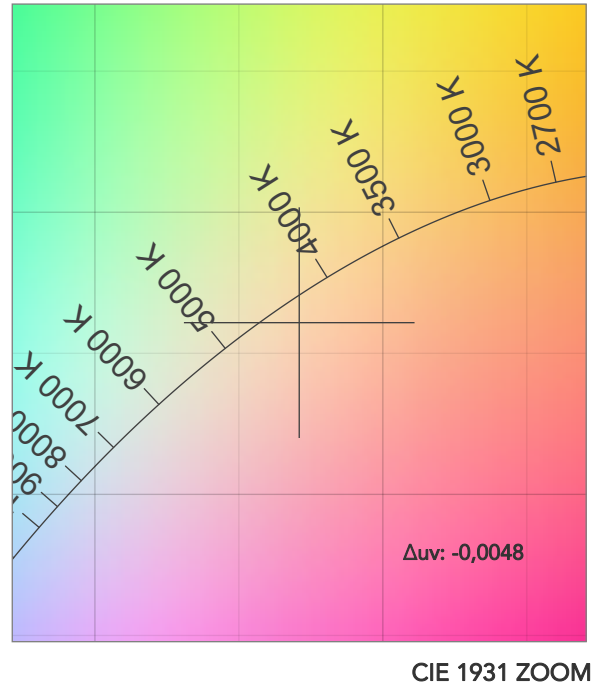
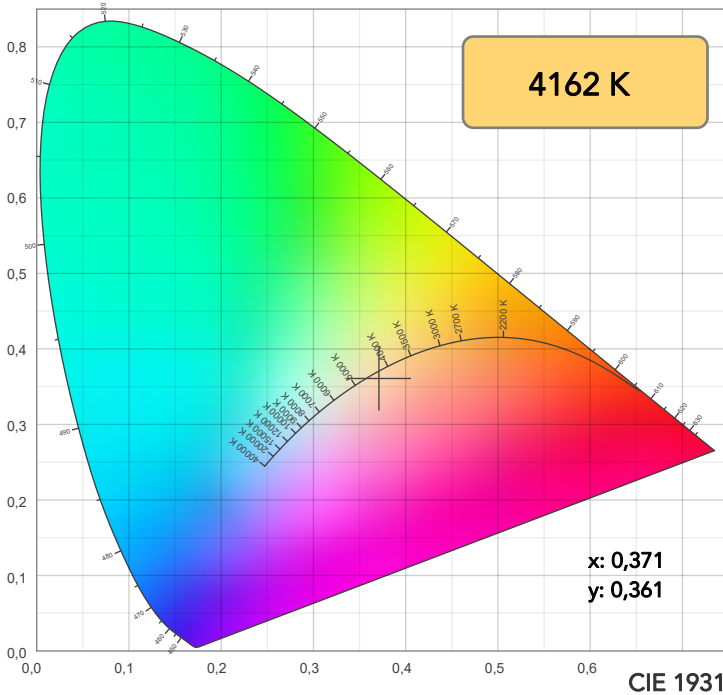
Field angle 10%: 47,5°

Cut off angle 2.5%: 72,5°

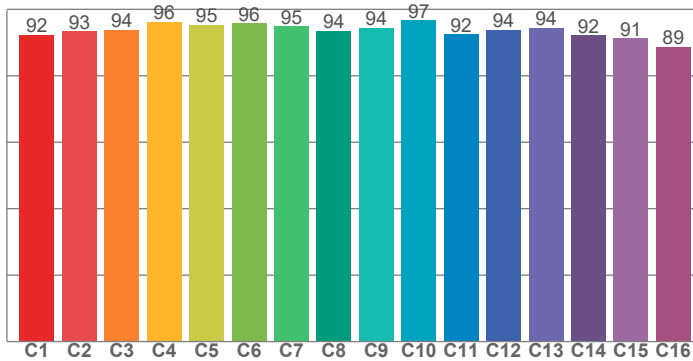
Spectra



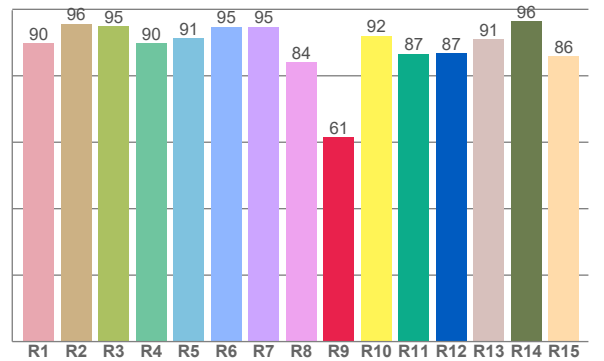
COLOR DETAILS



TM30: 93,8



CRI: 91,9 (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
89,8	95,6	95,0	89,9	91,3	94,8	94,7	84,1	61,4	92,0	86,6	86,7	91,0	96,3	86,0

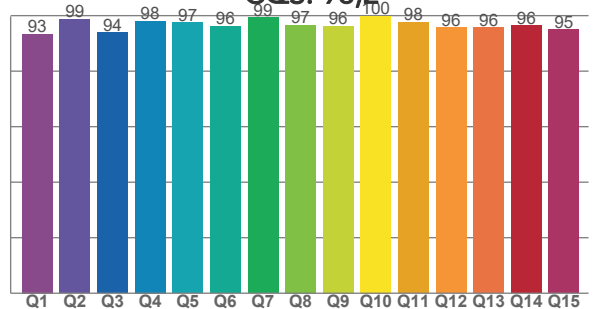
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 96,2



COLOR PARAMETERS

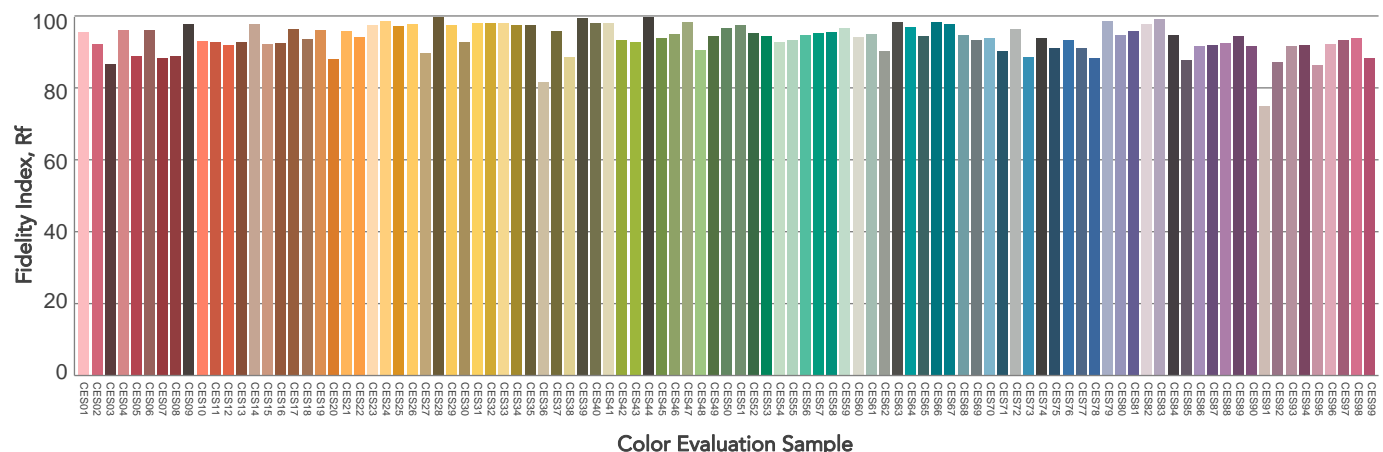
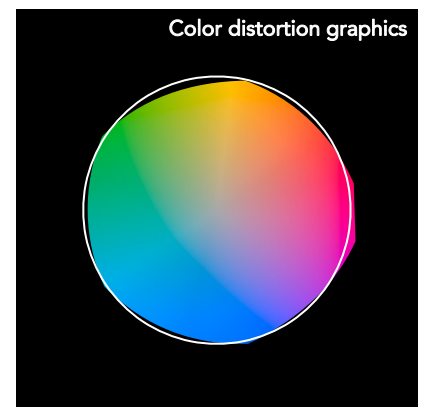
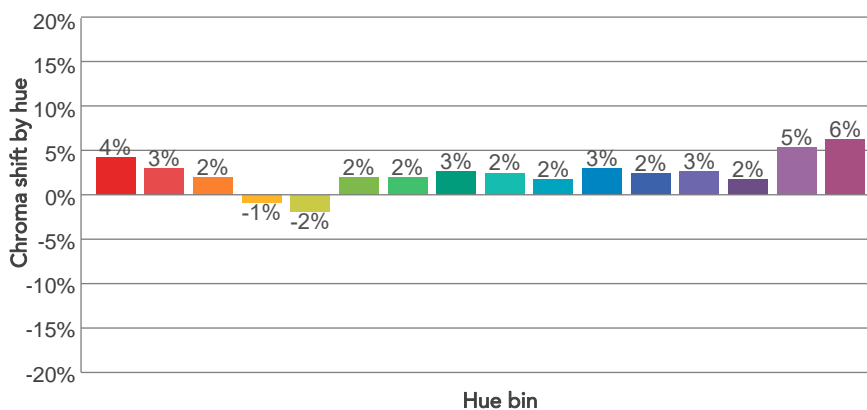
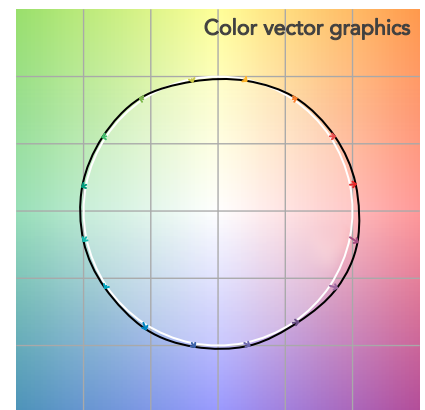
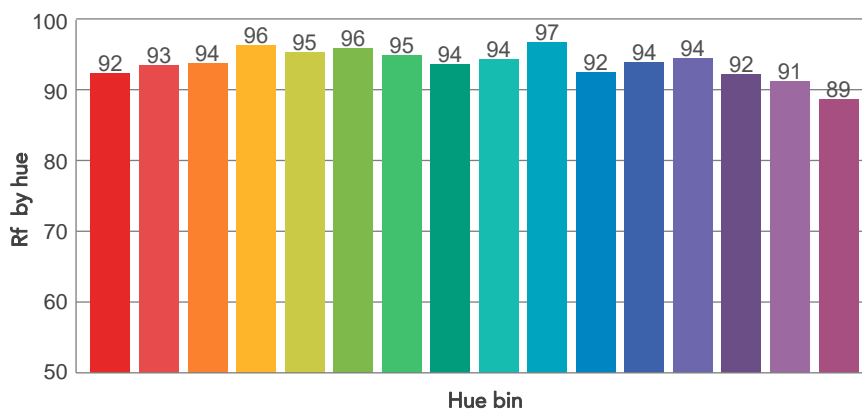
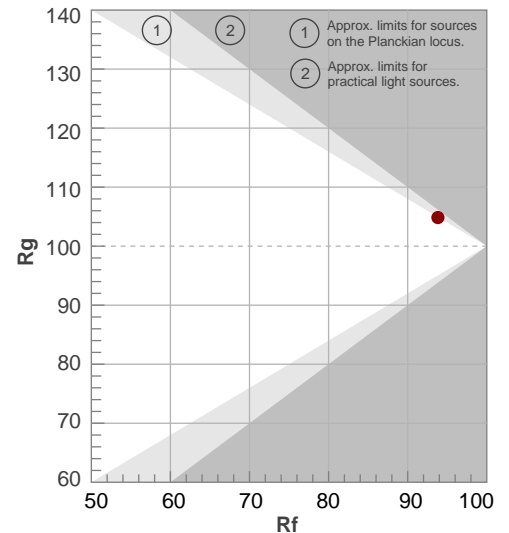
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4162 K	91,9	61,4	93,8	104,8	96,2	98	0,371	0,361	-0,0048

TM30 DETAILS

Rf 93,8
Fidelity index Rf

Rg 104,8
Gammut index

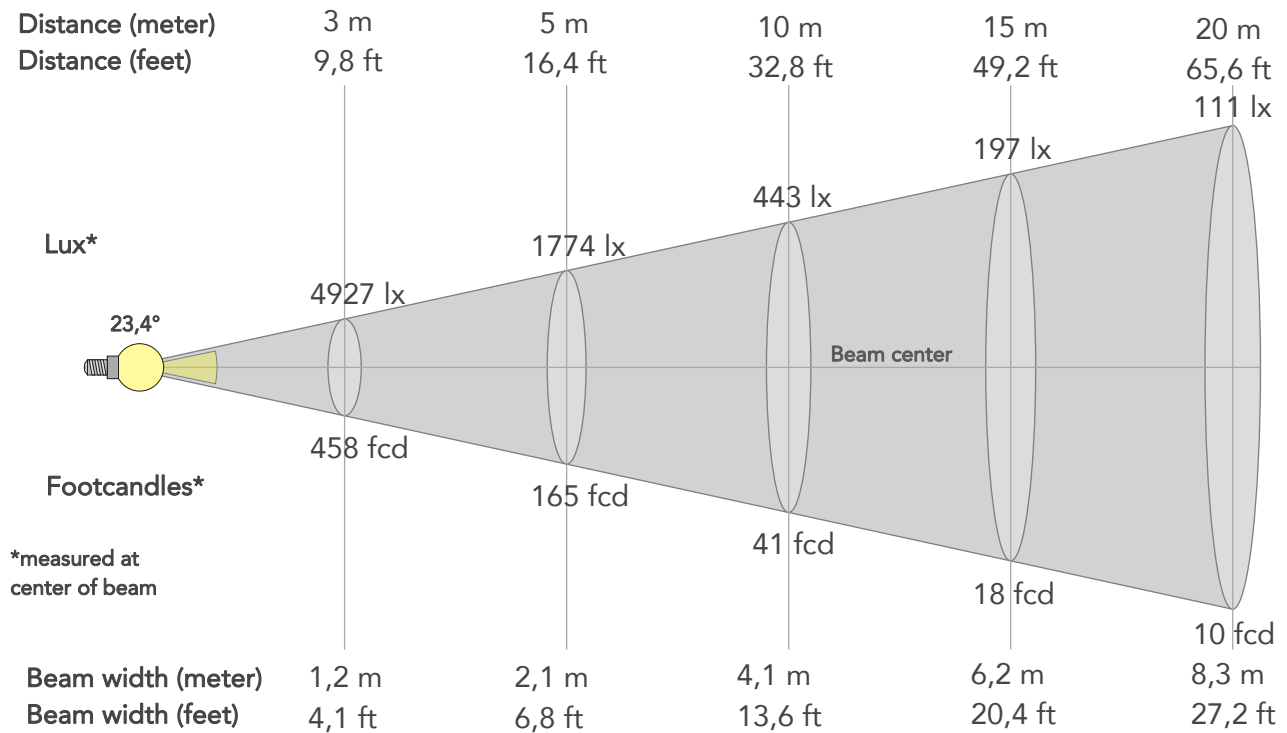
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	92	4%	0%
2	93	3%	-2%
3	94	2%	-2%
4	96	-1%	-2%
5	95	-2%	0%
6	96	2%	2%
7	95	2%	2%
8	94	3%	2%
9	94	2%	2%
10	97	2%	1%
11	92	3%	4%
12	94	2%	3%
13	94	3%	3%
14	92	2%	4%
15	91	5%	2%
16	89	6%	-2%



BEAM DETAILS



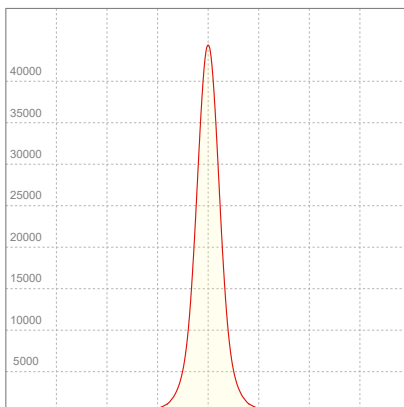
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	47,5°	72,5°	96,3%	91,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	44339lx	11085lx	4927lx	2771lx	1774lx	788lx	443lx	197lx	111lx	71lx	49lx	28lx	18lx
Footcand.	4119fcd	1030fcd	458fcd	257fcd	165fcd	73fcd	41fcd	18fcd	10fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,4m	12,4m	16,6m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34ft	40,8ft	54,4ft	68ft

LINEAR DISTRIBUTION DIAGRAM

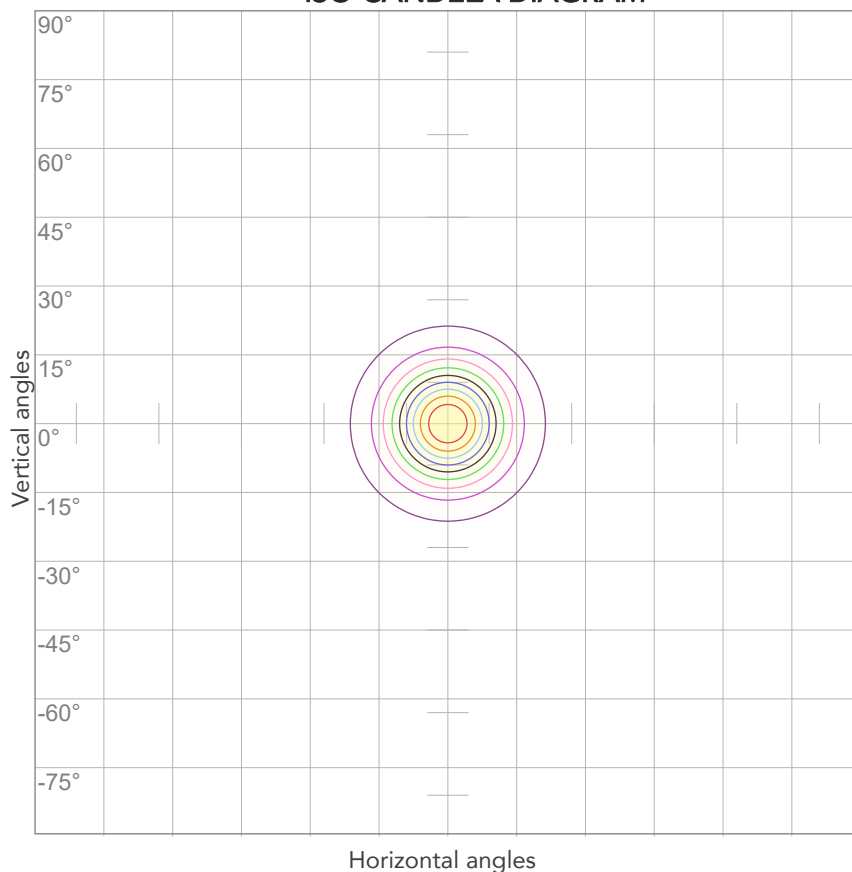


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	1,04A	223,9W	0,96	50lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



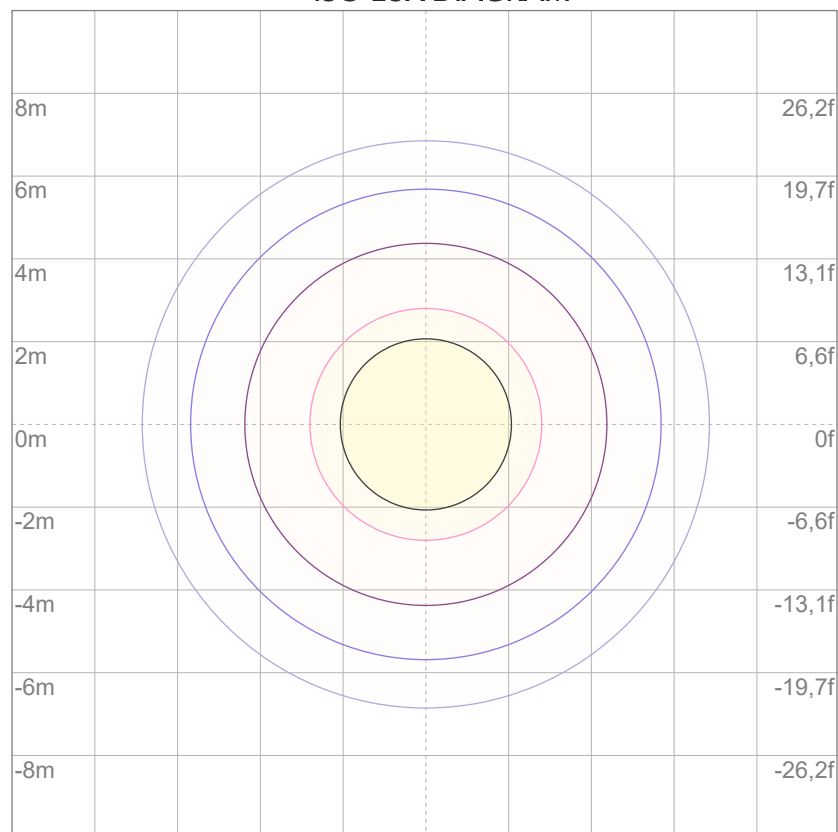
10%	4434 cd
20%	8868 cd
30%	13302 cd
40%	17736 cd
50%	22170 cd
60%	26603 cd
70%	31037 cd
80%	35471 cd

Conditions:

Number of c-planes: 2

Candela at center: 44339 cd

ISO LUX DIAGRAM



3%	13,3 lx
5%	22,2 lx
10%	44,3 lx
30%	133 lx
50%	222 lx

Conditions:

Number of c-planes: 2

Lux at center: 443 lx

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



Total lumen output:

10604 lm

Peak candela output:

13855 cd

Light quality:

CRI: 92,1

Color temperature:

4182 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

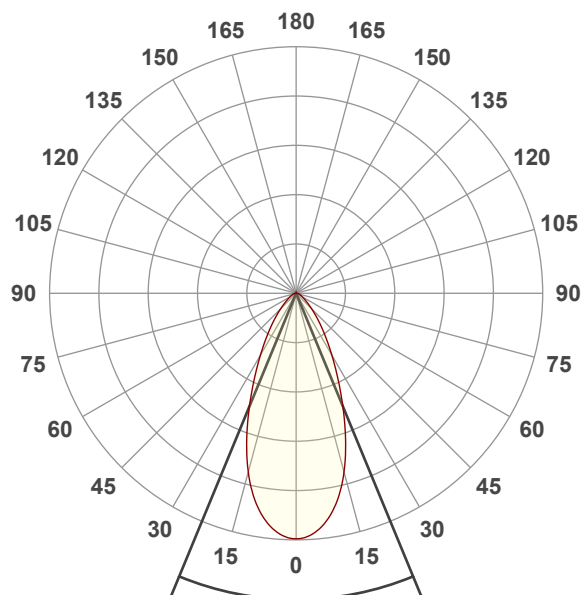
Full On

Operator:

Salvatore Giglio

Date and time:

27/02/2024 15:31:30

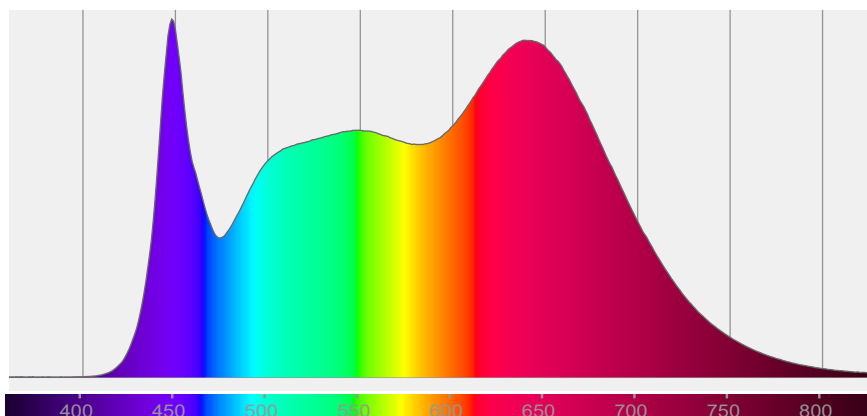


Beam angle 50%: 44,9°

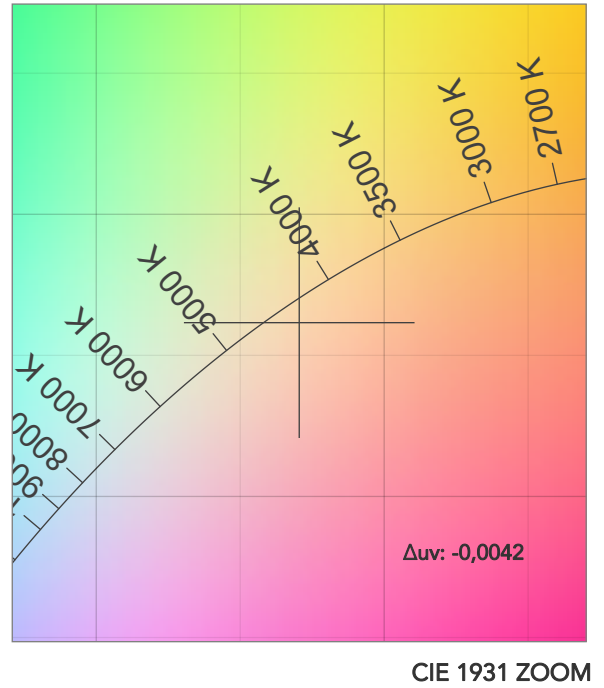
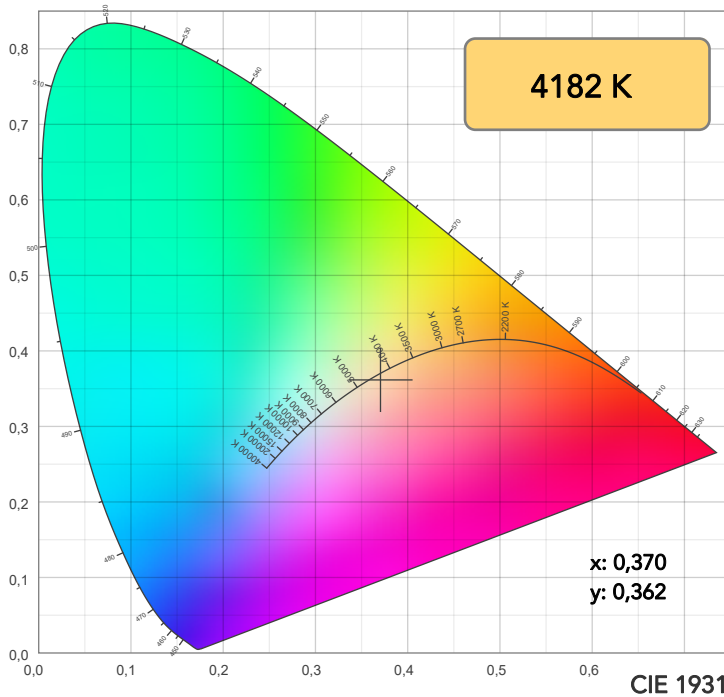
Field angle 10%: 87,3°

Cut off angle 2.5%: 125,2°

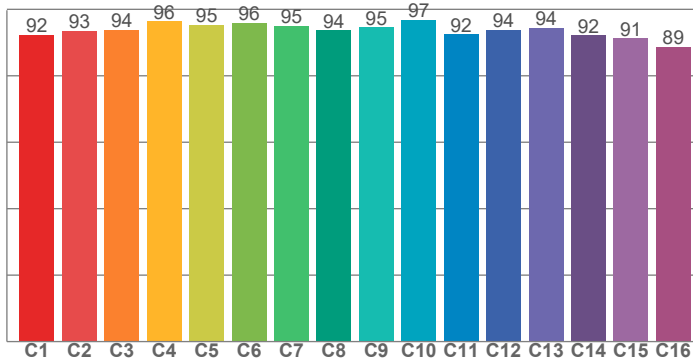
Spectra



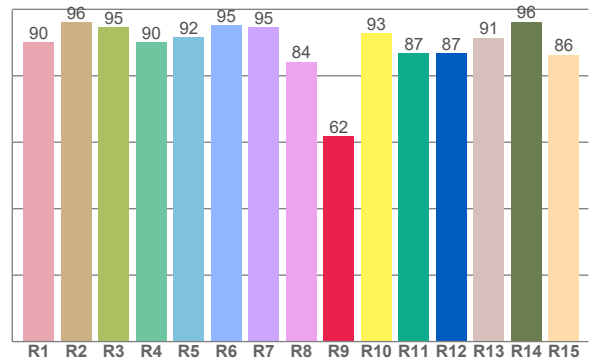
COLOR DETAILS



TM30: 93,9



CRI: 92,1 (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
90,2	96,0	94,7	90,0	91,6	95,3	94,5	84,2	61,9	92,8	86,8	86,9	91,4	96,2	86,4

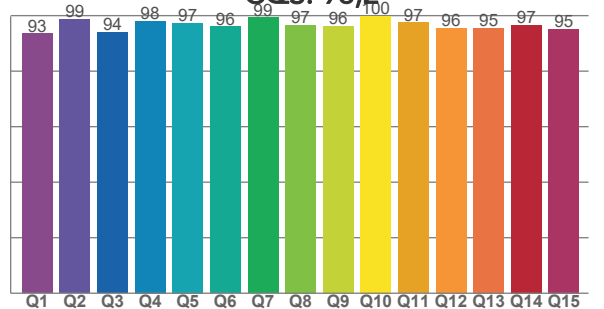
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 96,2



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
4182 K	92,1	61,9	93,9	104,8	96,2	98	0,370	0,362	-0,0042

TM30 DETAILS

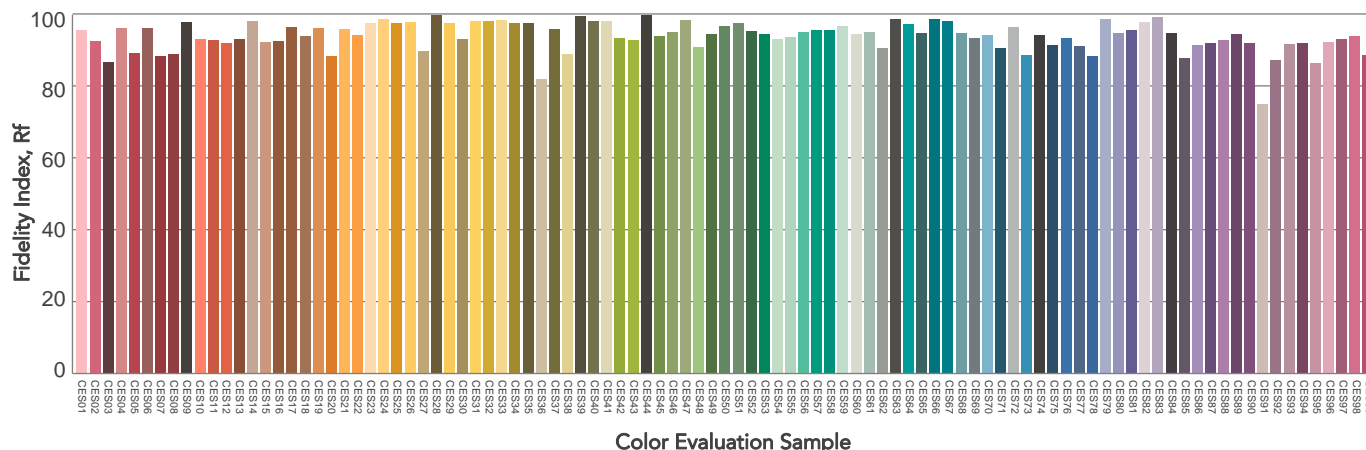
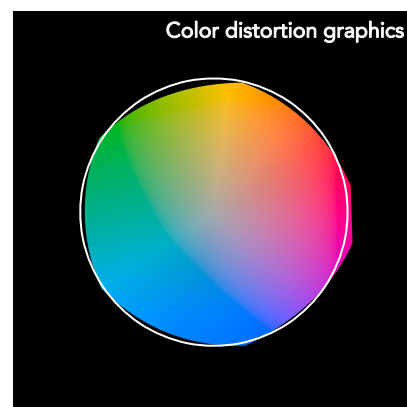
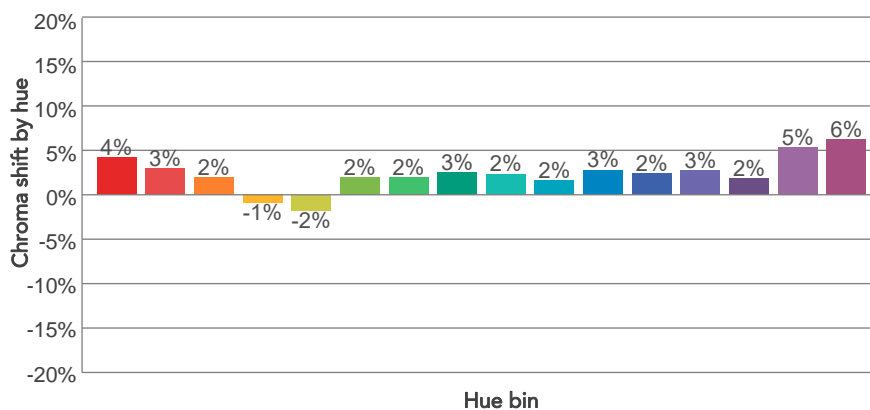
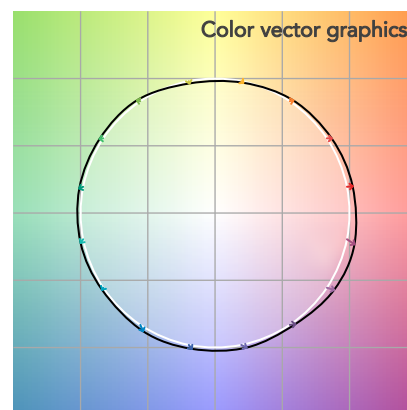
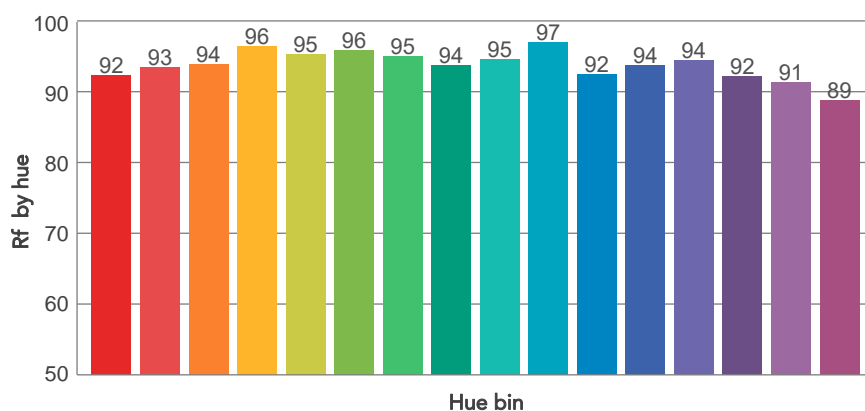
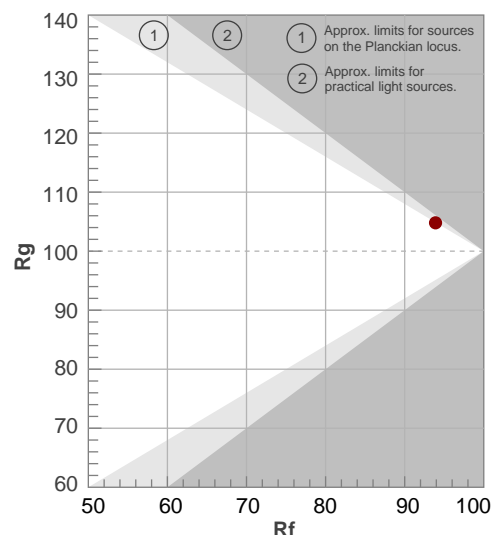
Rf 93,9

Fidelity index Rf

Rg 104,8

Gammut index

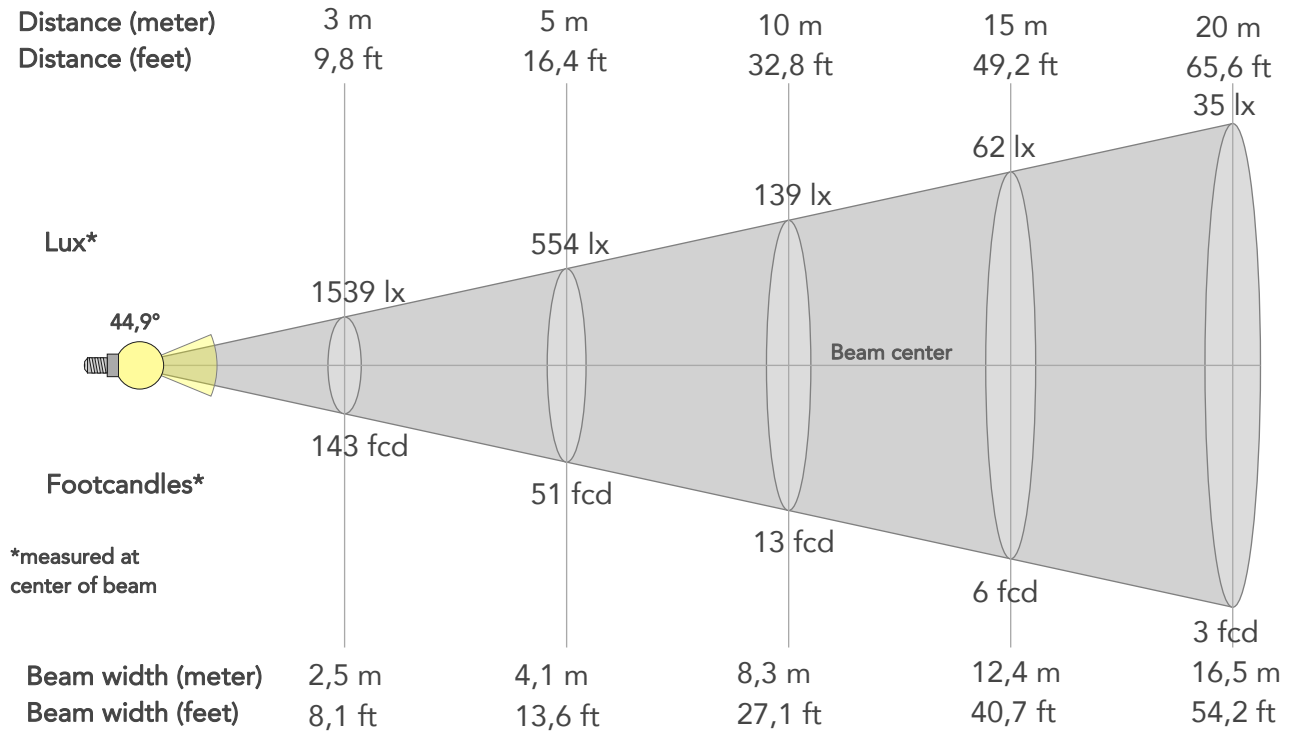
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	92	4%	0%
2	93	3%	-2%
3	94	2%	-2%
4	96	-1%	-2%
5	95	-2%	0%
6	96	2%	2%
7	95	2%	2%
8	94	3%	2%
9	95	2%	2%
10	97	2%	1%
11	92	3%	4%
12	94	2%	3%
13	94	3%	3%
14	92	2%	4%
15	91	5%	2%
16	89	6%	-3%



BEAM DETAILS



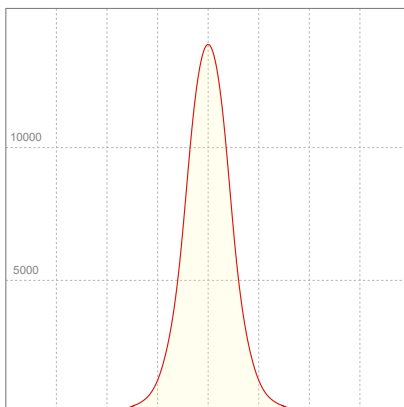
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,9°	87,3°	125,2°	94,7%	86,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	13855lx	3464lx	1539lx	866lx	554lx	246lx	139lx	62lx	35lx	22lx	15lx	9lx	6lx
Footcand.	1287fcd	322fcd	143fcd	80fcd	51fcd	23fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	1fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,1m	6,2m	8,3m	12,4m	16,5m	20,7m	24,8m	33m	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	135,5ft

LINEAR DISTRIBUTION DIAGRAM

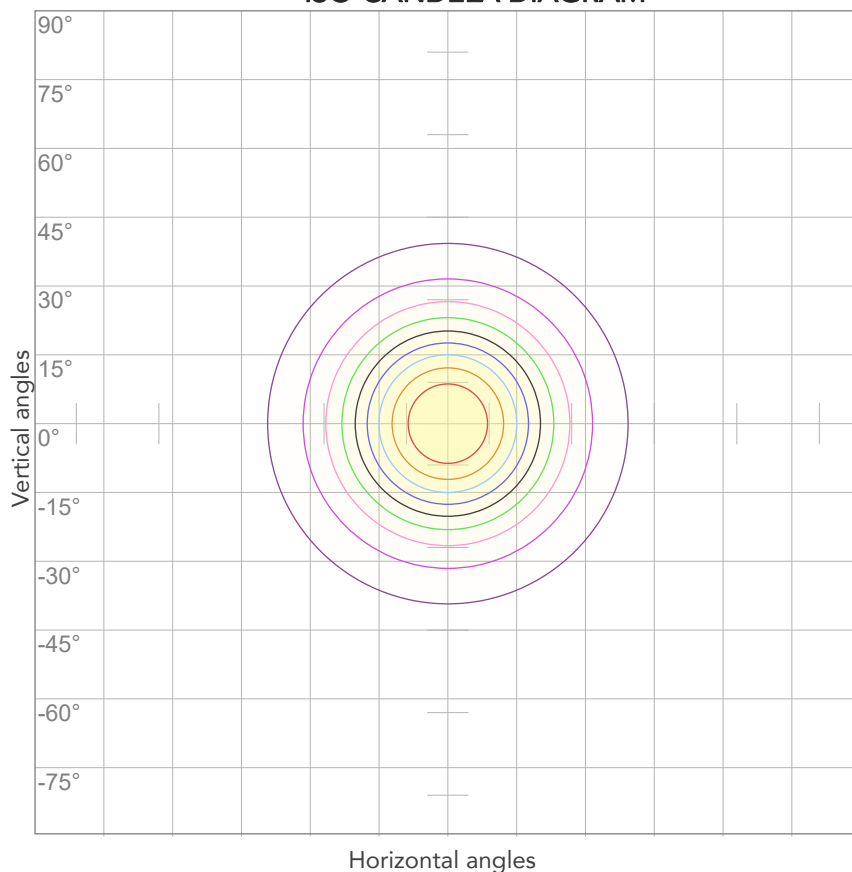


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	1,04A	225,8W	0,96	47lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



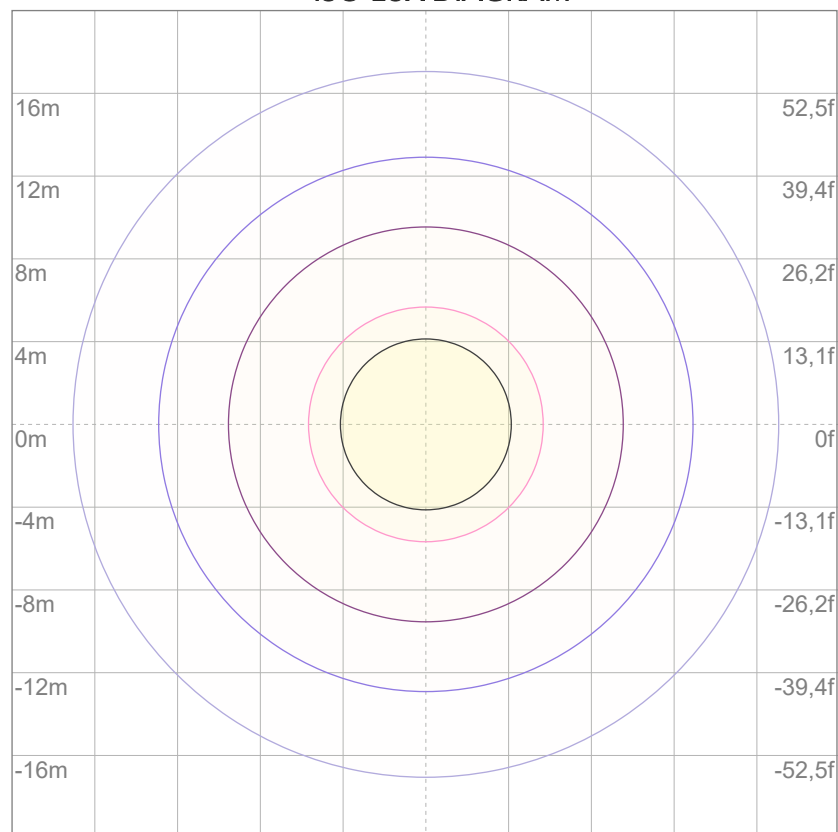
10%	1386 cd
20%	2771 cd
30%	4157 cd
40%	5542 cd
50%	6928 cd
60%	8313 cd
70%	9699 cd
80%	11084 cd

Conditions:

Number of c-planes: 2

Candela at center: 13855 cd

ISO LUX DIAGRAM



3%	4,16 lx
5%	6,93 lx
10%	13,9 lx
30%	41,6 lx
50%	69,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 139 lx

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



Total lumen output:

10289 lm

Peak candela output:

9295 cd

Light quality:

CRI: 91,4

Color temperature:

4162 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

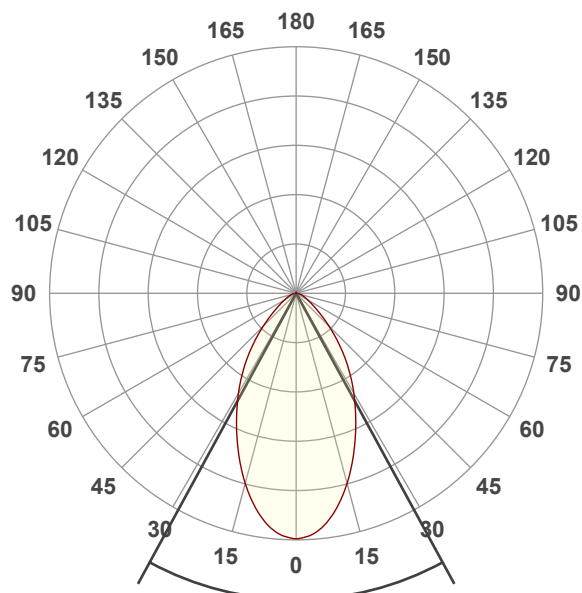
Full On

Operator:

Salvatore Giglio

Date and time:

27/02/2024 16:05:10

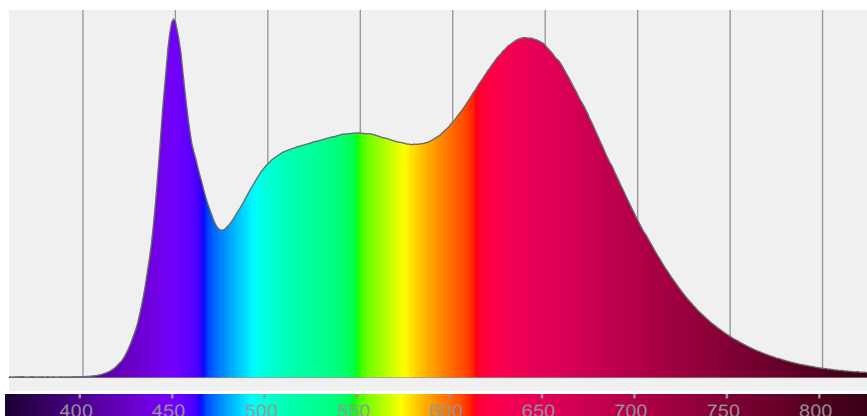


Beam angle 50%: 57,1°

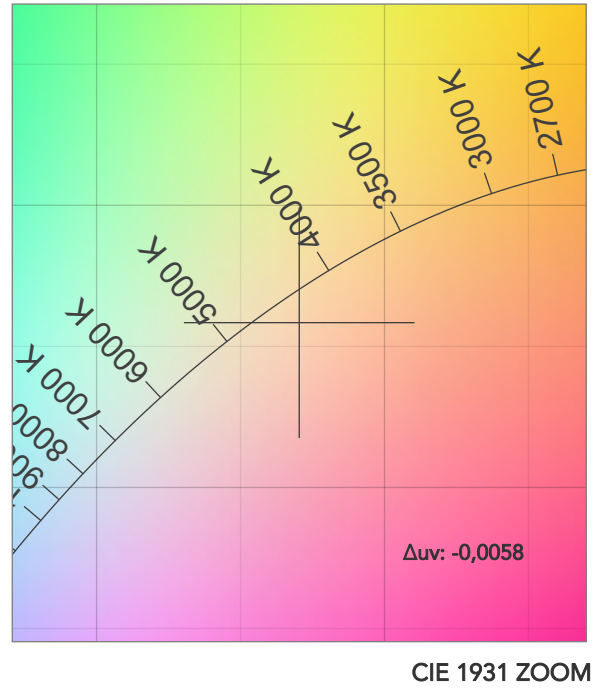
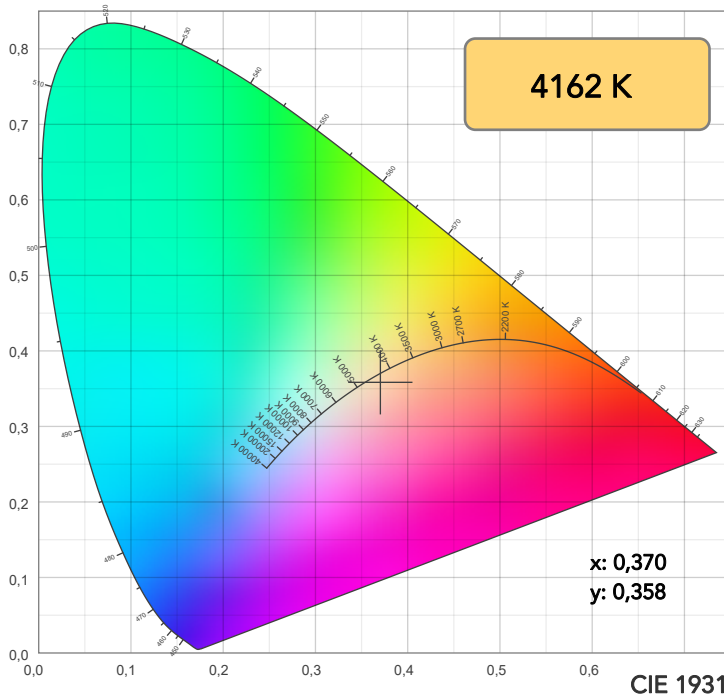
Field angle 10%: 105,2°

Cut off angle 2.5%: 143,2°

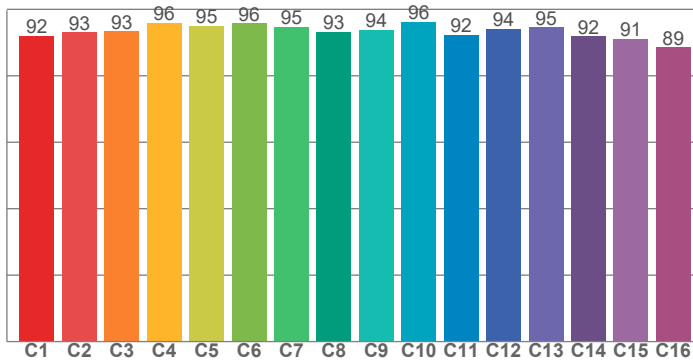
Spectra



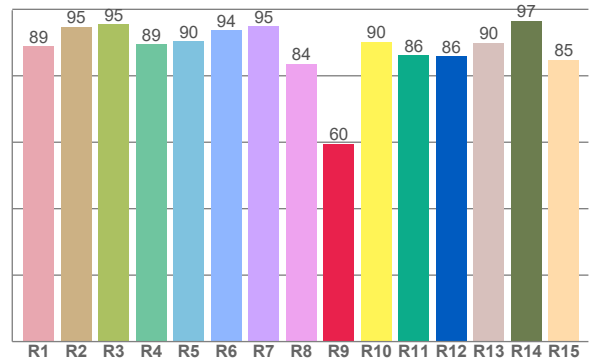
COLOR DETAILS



TM30: 93,6



CRI: 91,4 (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
88,8	94,7	95,5	89,5	90,3	93,7	95,0	83,6	59,5	90,2	86,1	85,9	90,0	96,5	84,8

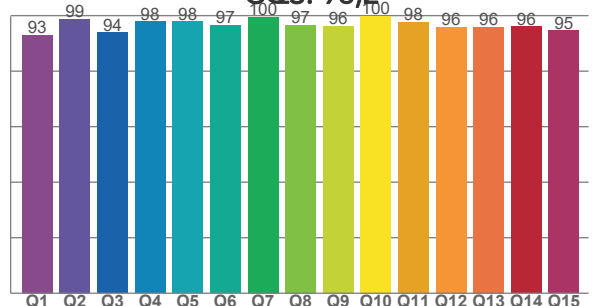
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 96,2



COLOR PARAMETERS

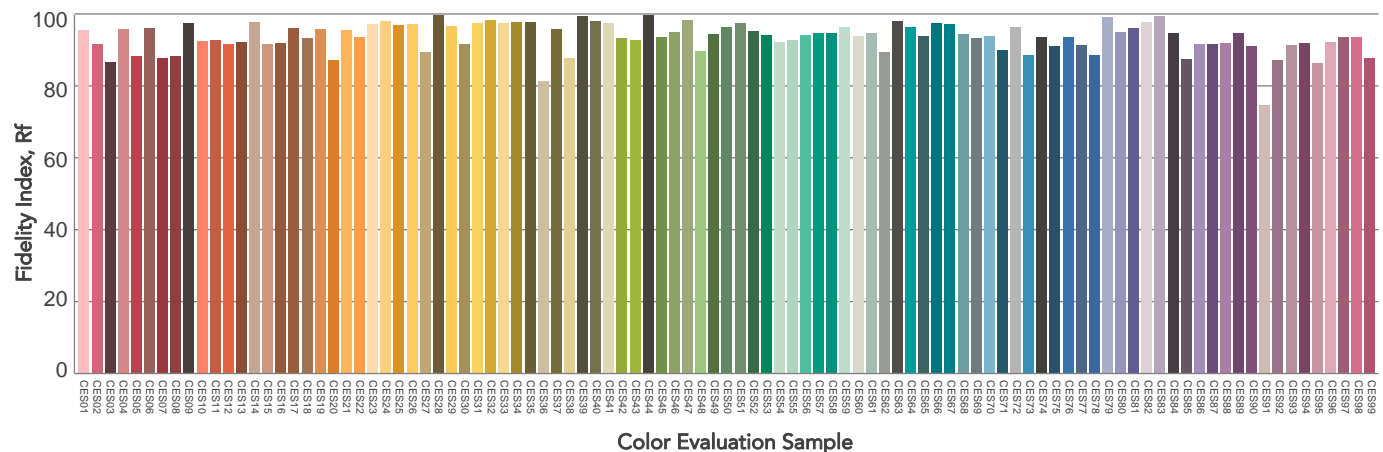
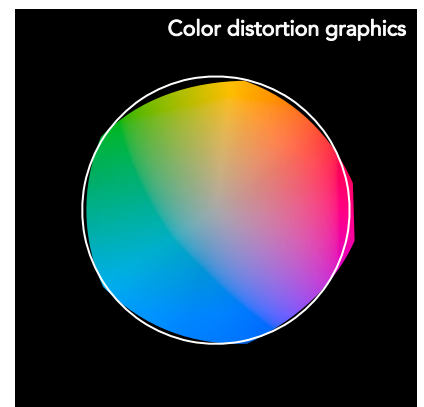
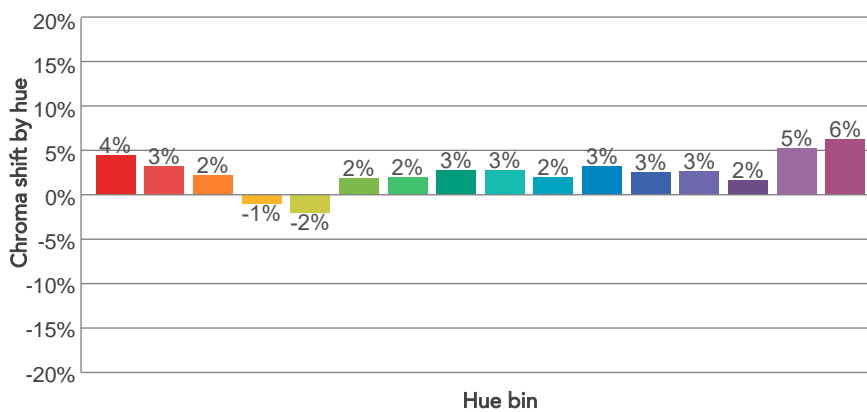
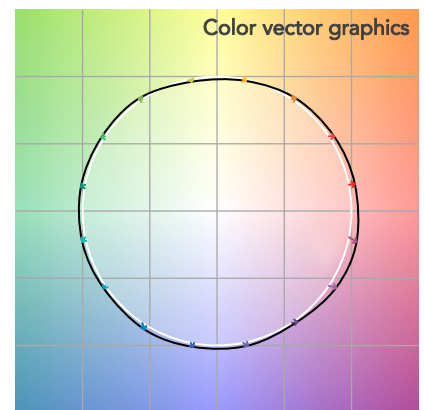
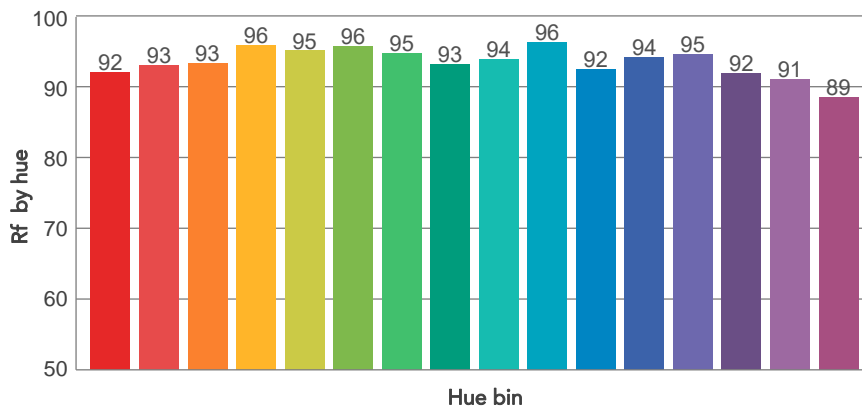
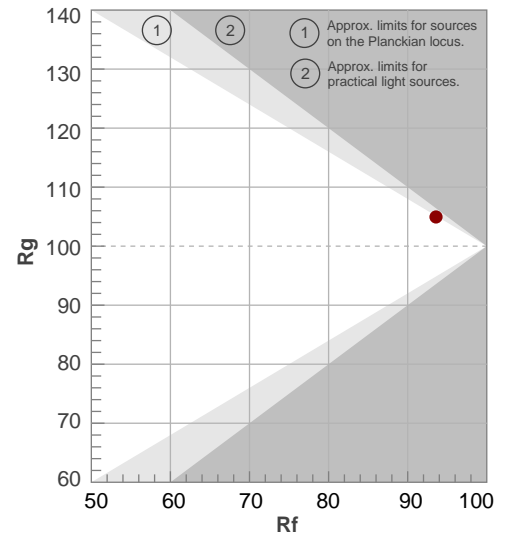
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4162 K	91,4	59,5	93,6	104,9	96,2	98	0,370	0,358	-0,0058

TM30 DETAILS

Rf 93,6
Fidelity index Rf

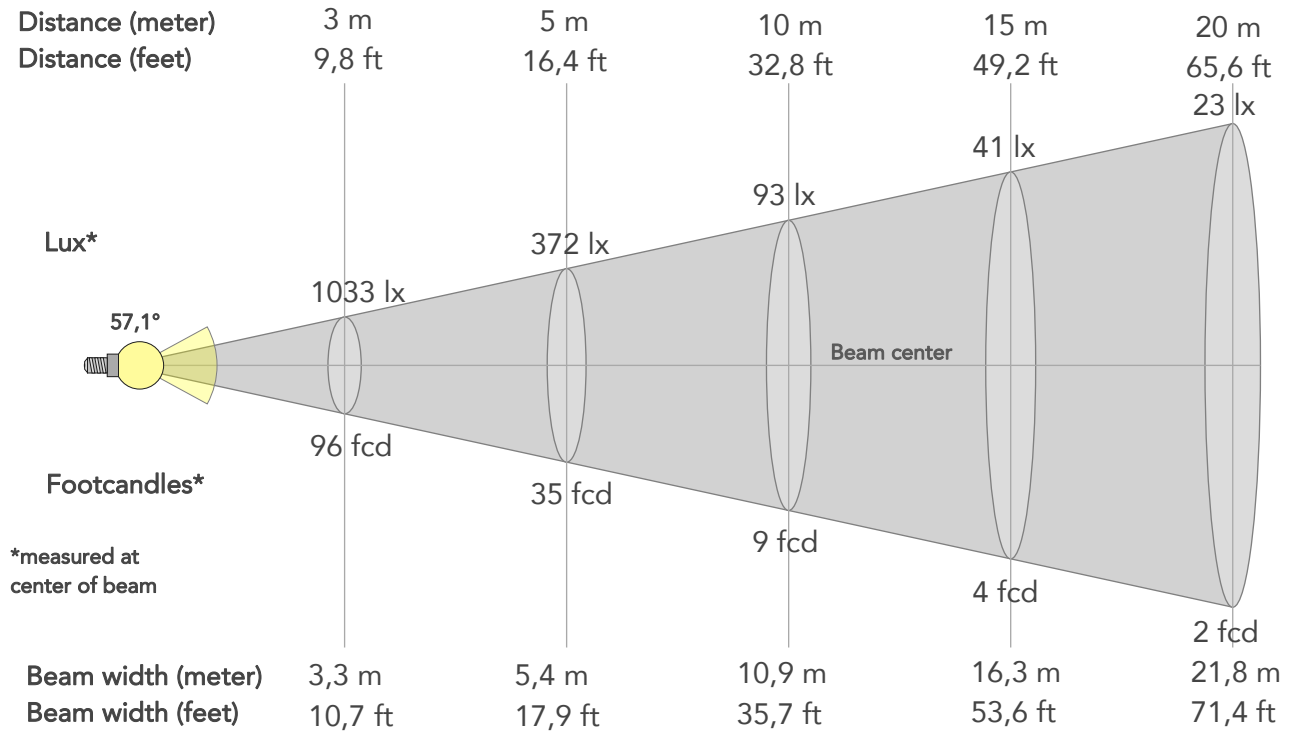
Rg 104,9
Gammut index

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



BEAM DETAILS

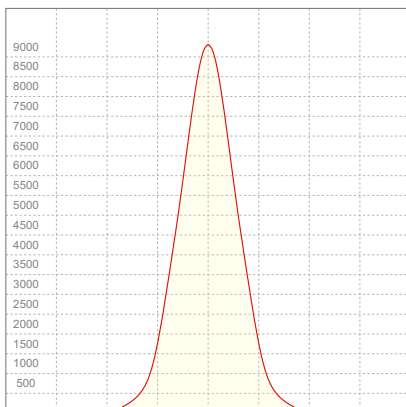
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,1°	105,2°	143,2°	93,3%	80,8%



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	9295lx	2324lx	1033lx	581lx	372lx	165lx	93lx	41lx	23lx	15lx	10lx	6lx	4lx
Footcand.	863fcd	216fcd	96fcd	54fcd	35fcd	15fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,4m	8,2m	10,9m	16,3m	21,8m	27,2m	32,7m	43,6m	54,4m
Beam wid.	3,6ft	7,2ft	10,7ft	14,3ft	17,9ft	26,8ft	35,7ft	53,6ft	71,4ft	89,3ft	107,1ft	142,9ft	178,6ft

LINEAR DISTRIBUTION DIAGRAM

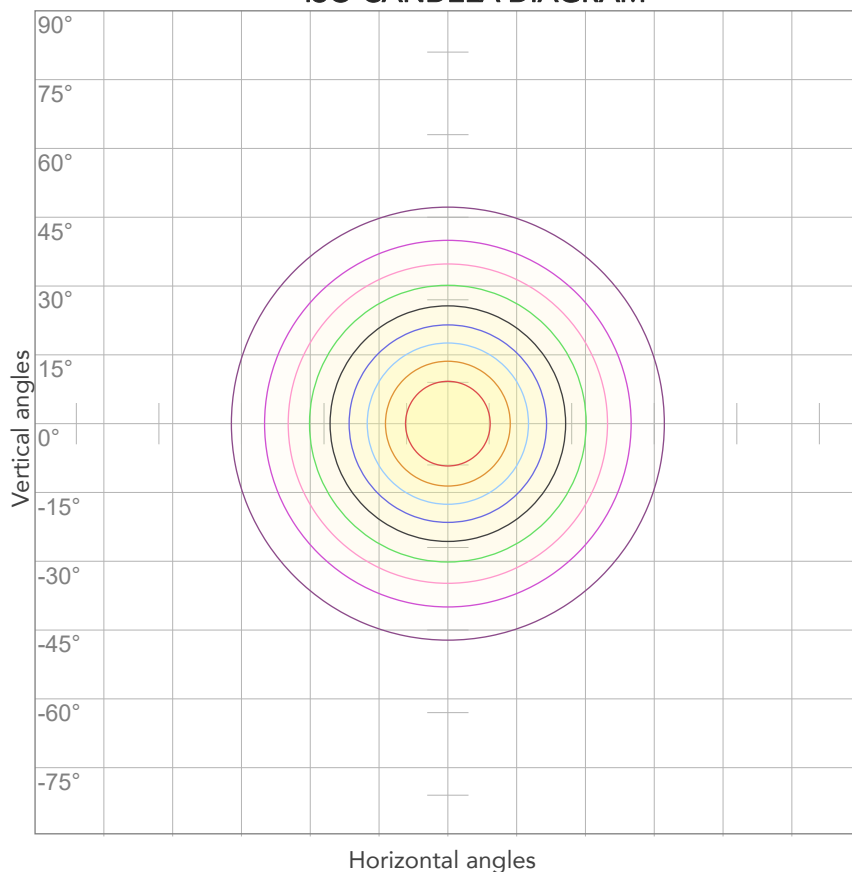


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	1,02A	221,3W	0,96	46lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



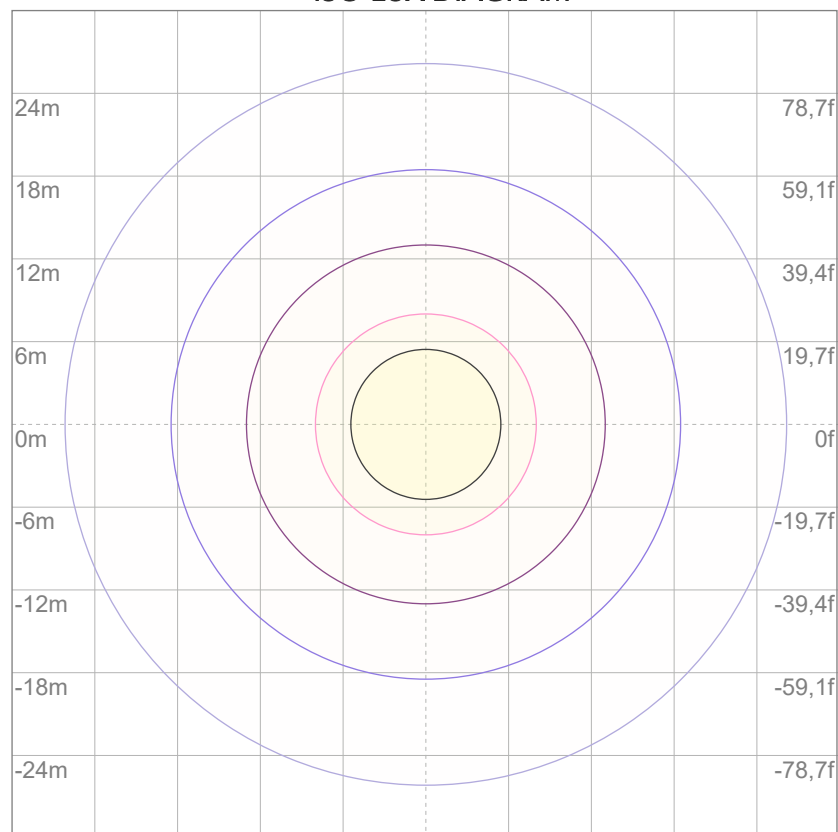
10%	929 cd
20%	1859 cd
30%	2788 cd
40%	3718 cd
50%	4647 cd
60%	5577 cd
70%	6506 cd
80%	7436 cd

Conditions:

Number of c-planes: 2

Candela at center: 9295 cd

ISO LUX DIAGRAM



3%	2,79 lx
5%	4,65 lx
10%	9,29 lx
30%	27,9 lx
50%	46,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 92,9 lx

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



Total lumen output:

12016 lm

Peak candela output:

20356 cd

Light quality:

CRI: 92,0

Color temperature:

4119 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

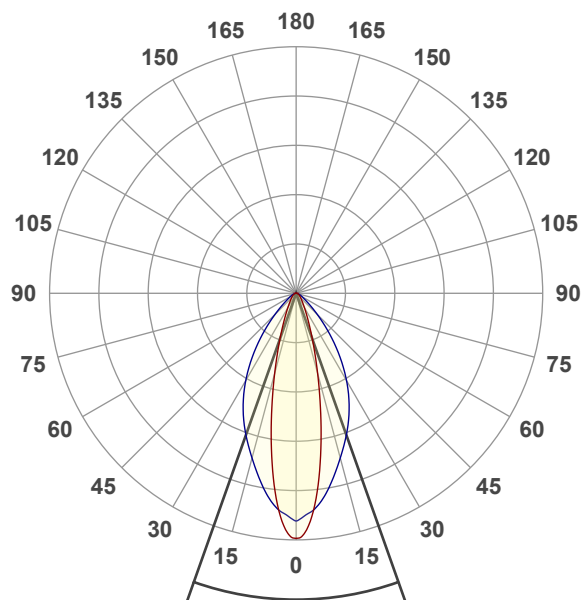
Full On

Operator:

Salvatore Giglio

Date and time:

27/02/2024 17:12:44

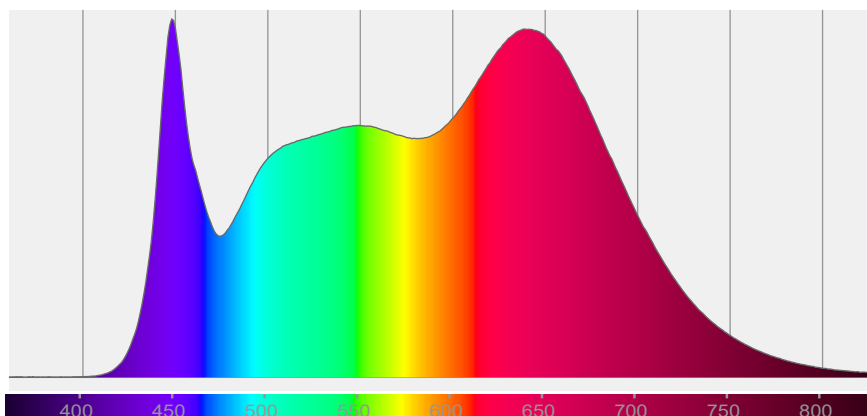


Beam angle 50%: 39°

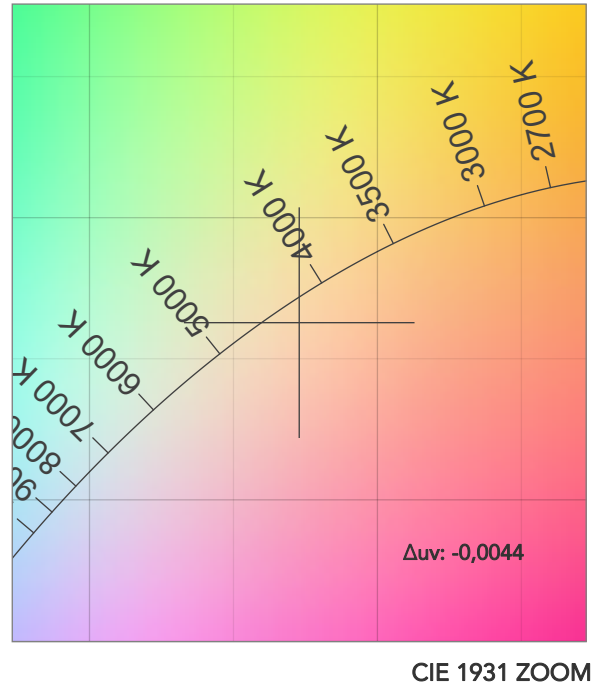
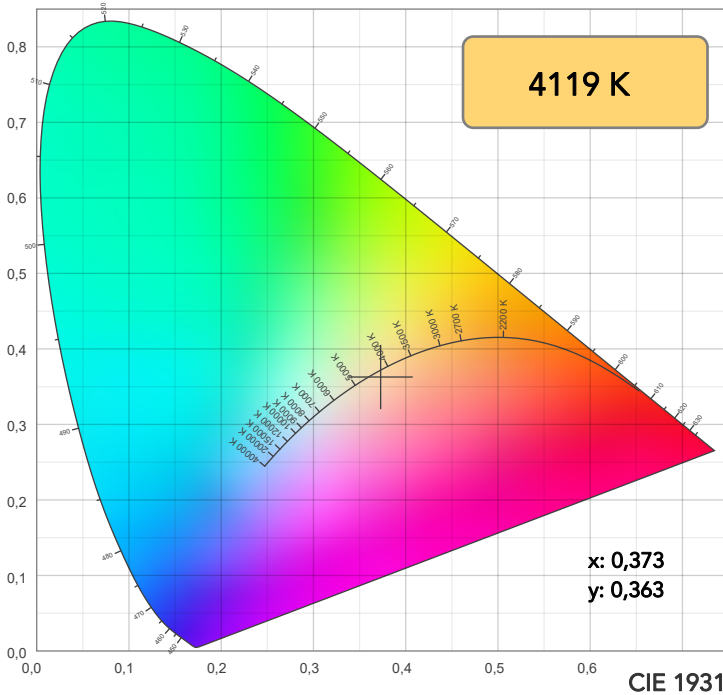
Field angle 10%: 73,2°

Cut off angle 2.5%: 108,8°

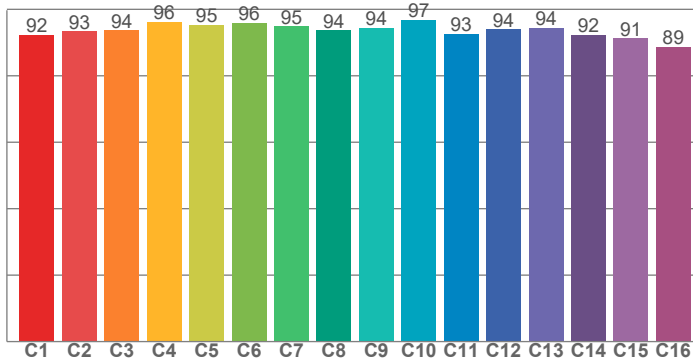
Spectra



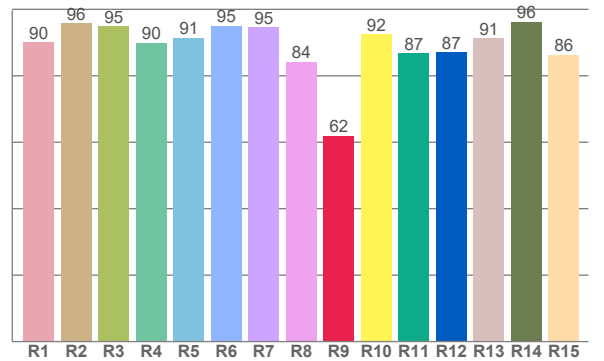
COLOR DETAILS



TM30: 93,8



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
90,0	95,9	94,8	89,9	91,5	95,1	94,6	84,2	62,0	92,5	86,7	87,0	91,3	96,3	86,3

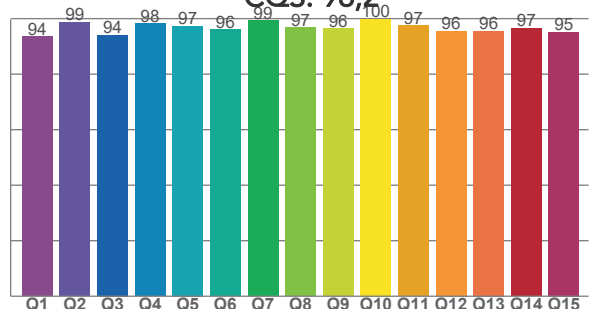
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 96,2



COLOR PARAMETERS

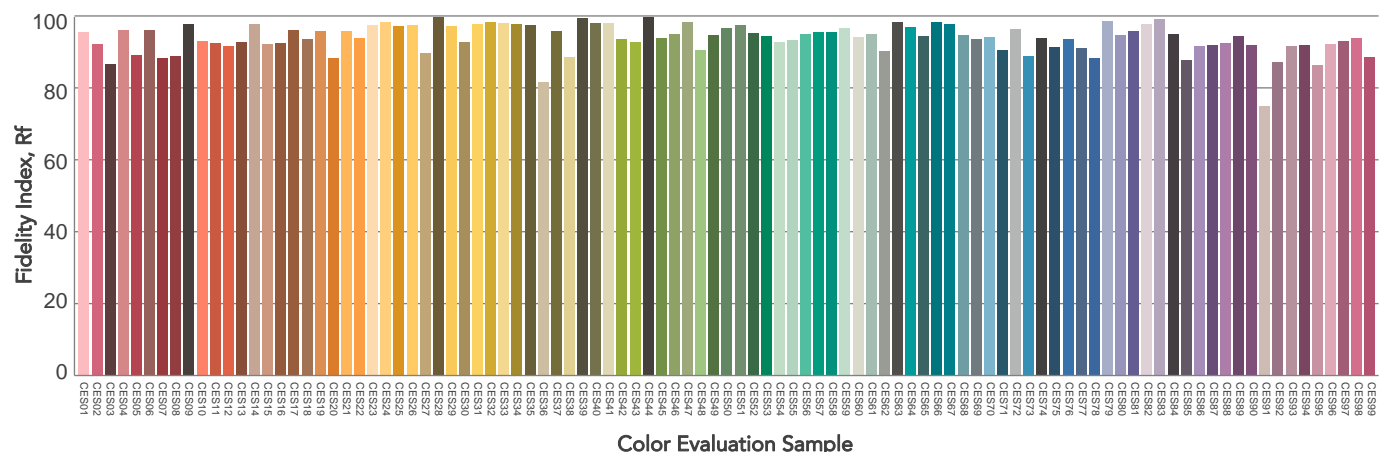
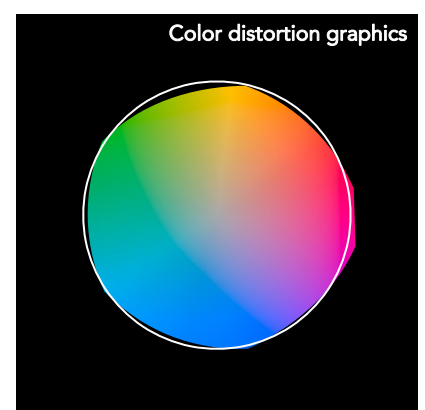
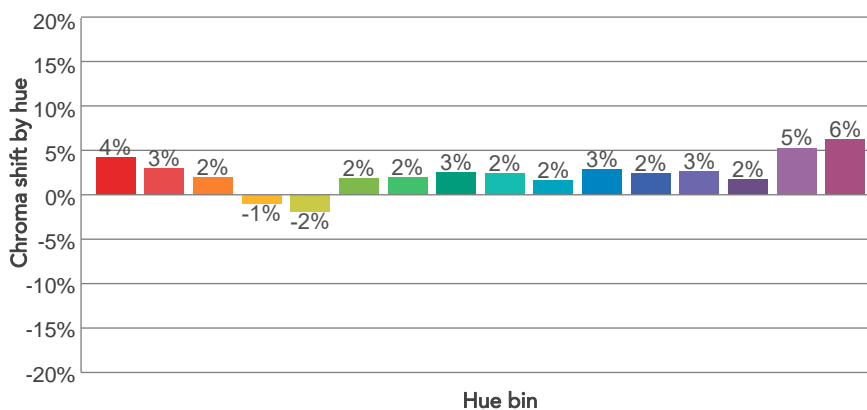
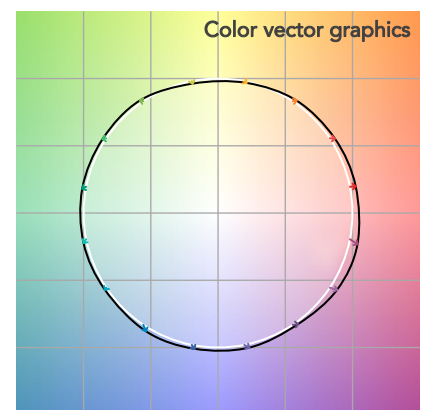
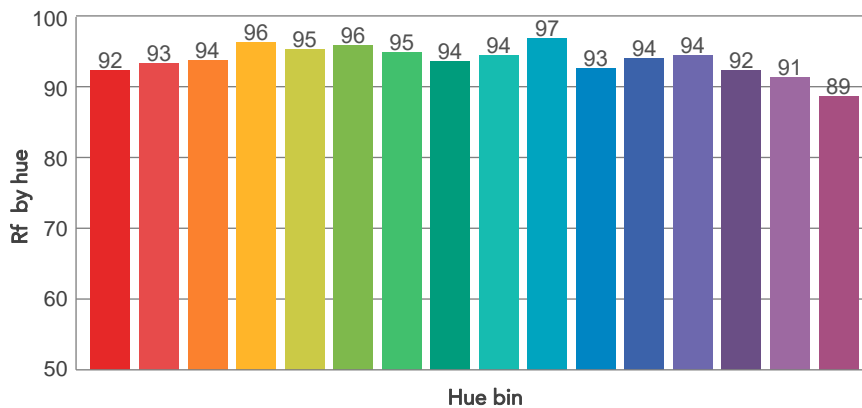
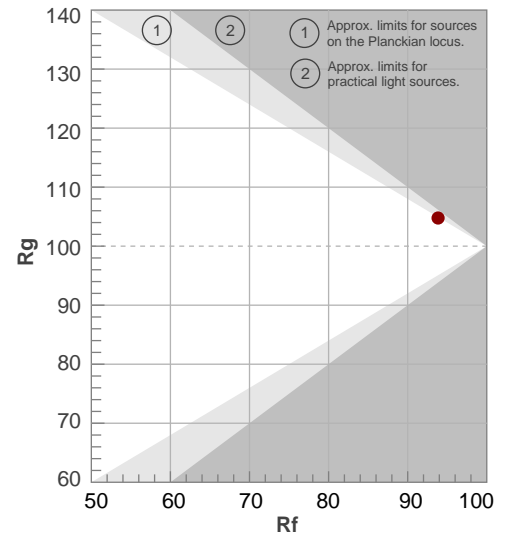
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4119 K	92,0	62,0	93,8	104,8	96,2	98	0,373	0,363	-0,0044

TM30 DETAILS

Rf 93,8
Fidelity index Rf

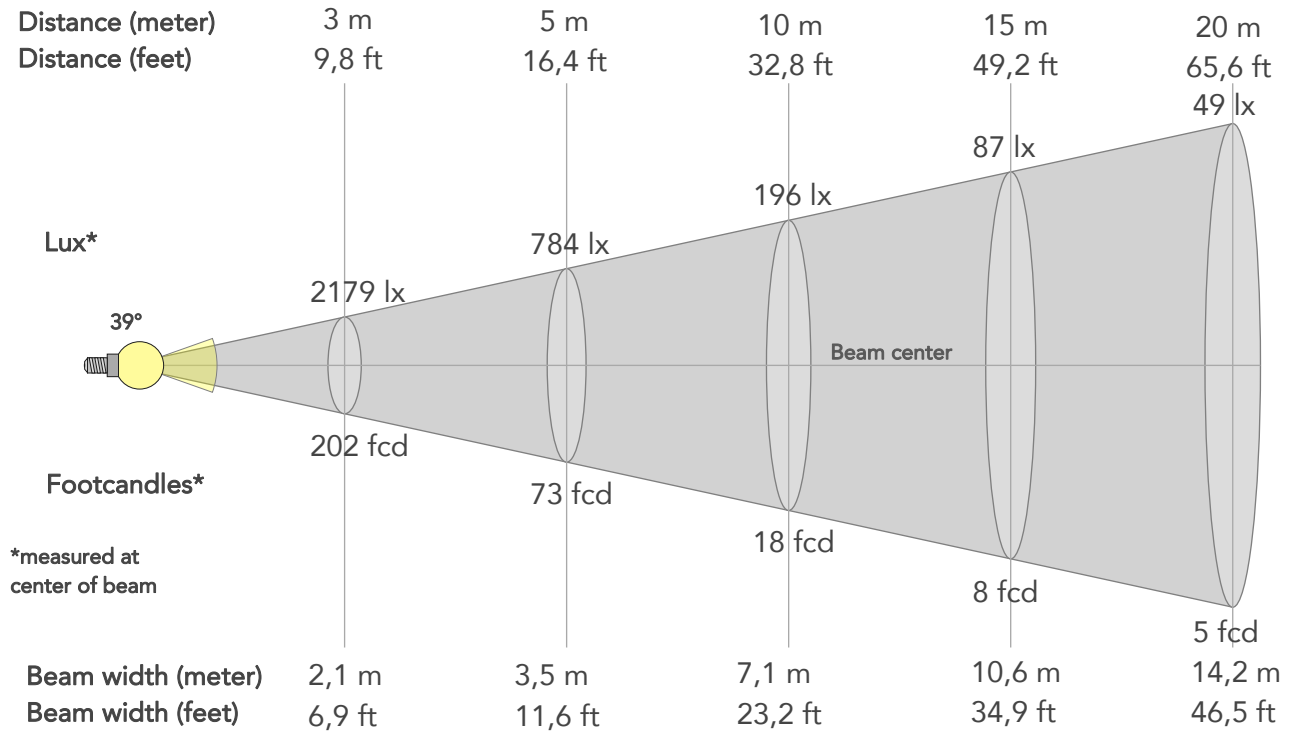
Rg 104,8
Gammut index

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



BEAM DETAILS

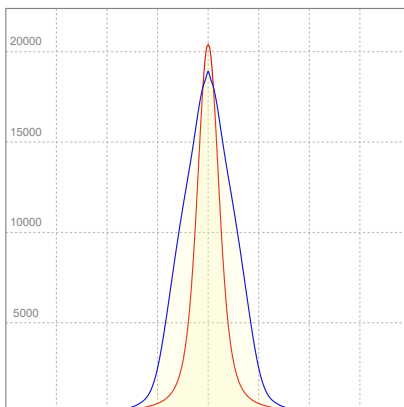
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39°	73,2°	108,8°	94,9%	86,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	19610lx	4902lx	2179lx	1226lx	784lx	349lx	196lx	87lx	49lx	31lx	22lx	12lx	8lx
Footcand.	1822fcd	455fcd	202fcd	114fcd	73fcd	32fcd	18fcd	8fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,7m	1,4m	2,1m	2,8m	3,5m	5,3m	7,1m	10,6m	14,2m	17,7m	21,3m	28,3m	35,4m
Beam wid.	2,3ft	4,7ft	6,9ft	9,3ft	11,6ft	17,4ft	23,2ft	34,9ft	46,5ft	58,1ft	69,7ft	93ft	116,2ft

LINEAR DISTRIBUTION DIAGRAM

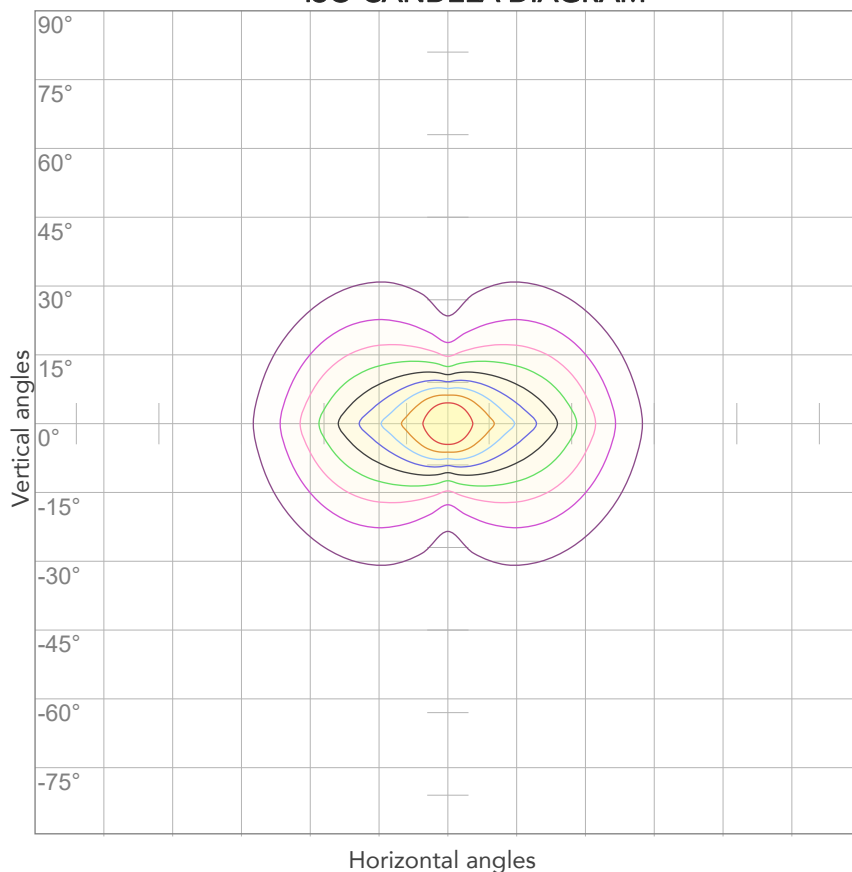


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
223V	1,05A	225,3W	0,96	53lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



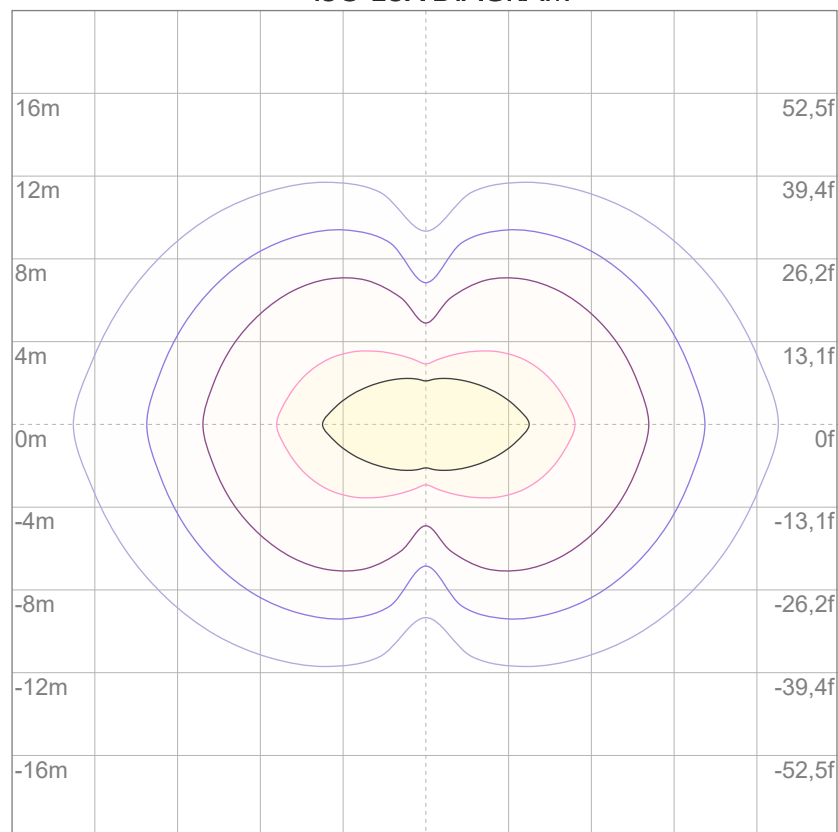
10%	1961 cd
20%	3922 cd
30%	5883 cd
40%	7844 cd
50%	9805 cd
60%	11766 cd
70%	13727 cd
80%	15688 cd

Conditions:

Number of c-planes: 4

Candela at center: 19610 cd

ISO LUX DIAGRAM



3%	5,88 lx
5%	9,80 lx
10%	19,6 lx
30%	58,8 lx
50%	98,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 196 lx

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



Total lumen output:

11631 lm

Peak candela output:

16285 cd

Light quality:

CRI: 91,2

Color temperature:

4130 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

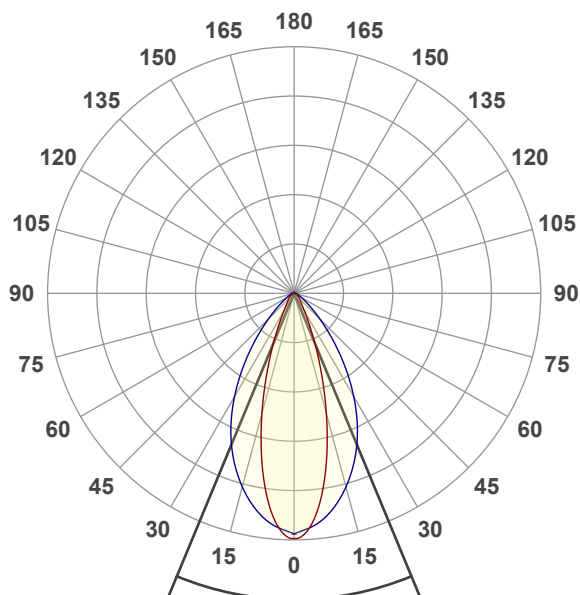
Full On

Operator:

Salvatore Giglio

Date and time:

27/02/2024 18:03:29

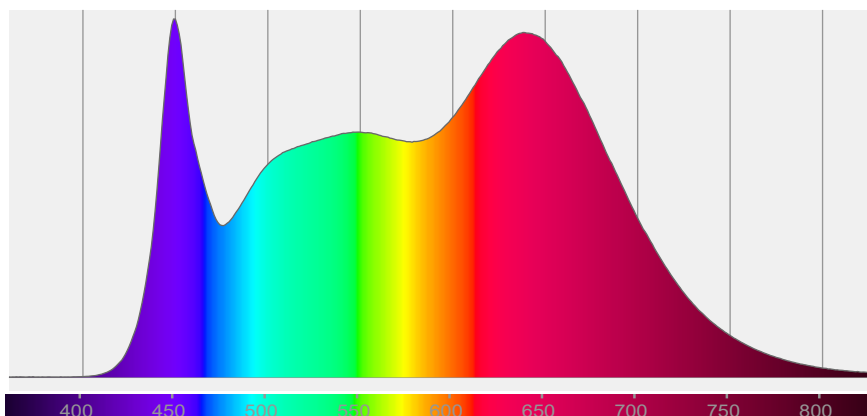


Beam angle 50%: 45°

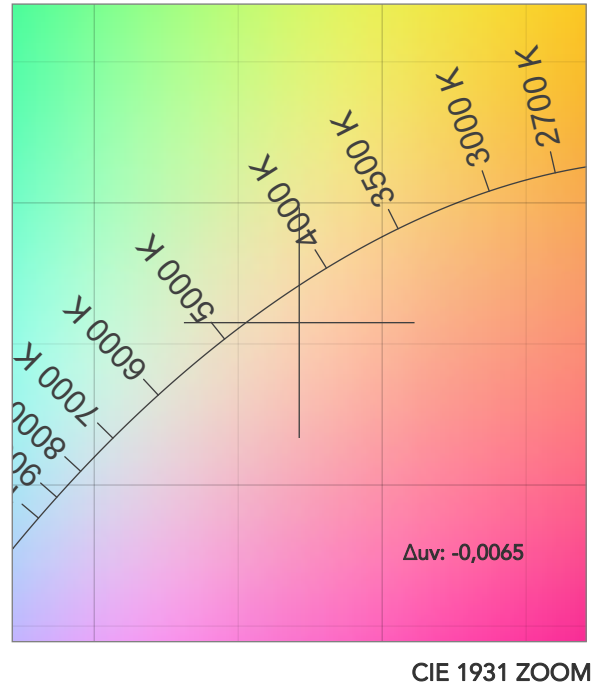
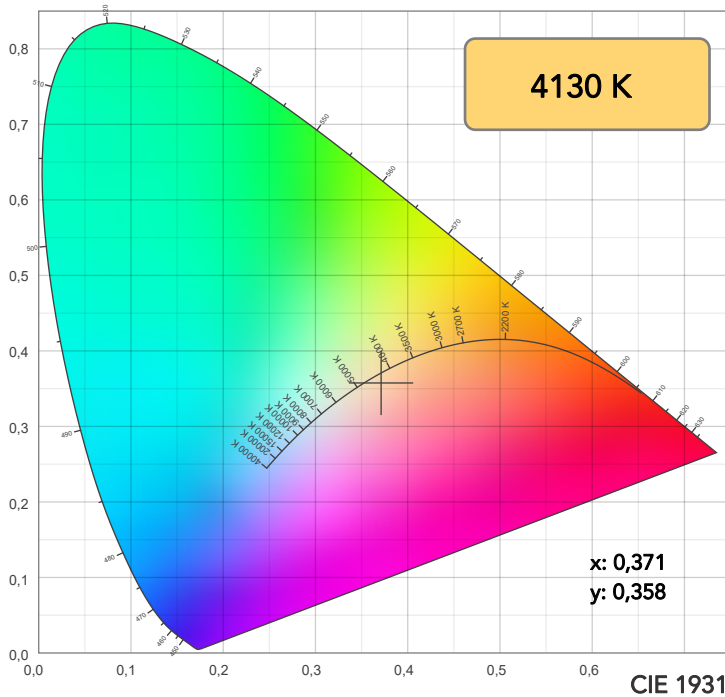
Field angle 10%: 77,8°

Cut off angle 2.5%: 113,2°

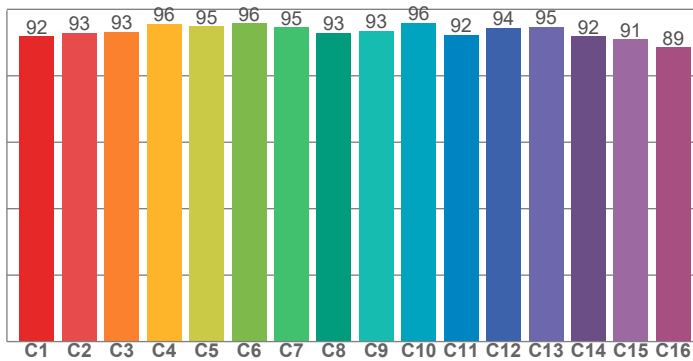
Spectra



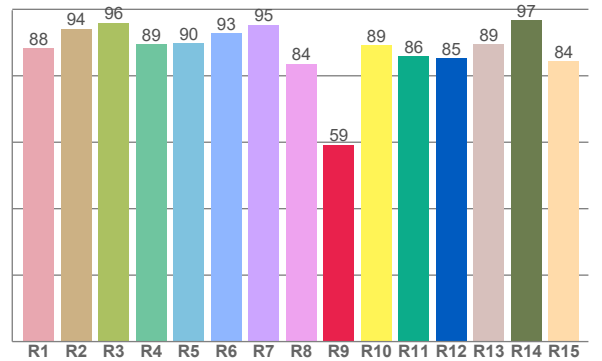
COLOR DETAILS



TM30: 93,5



CRI: 91,2 (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
88,4	94,2	95,9	89,4	89,8	92,9	95,3	83,6	59,2	89,1	86,0	85,3	89,4	96,7	84,3

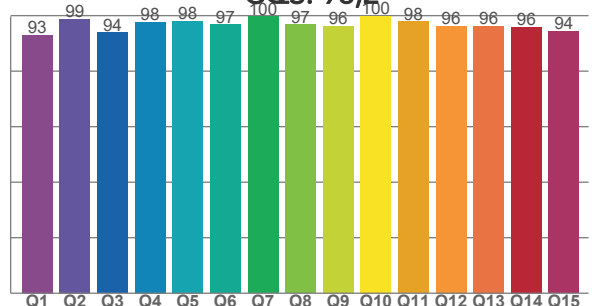
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 96,2



COLOR PARAMETERS

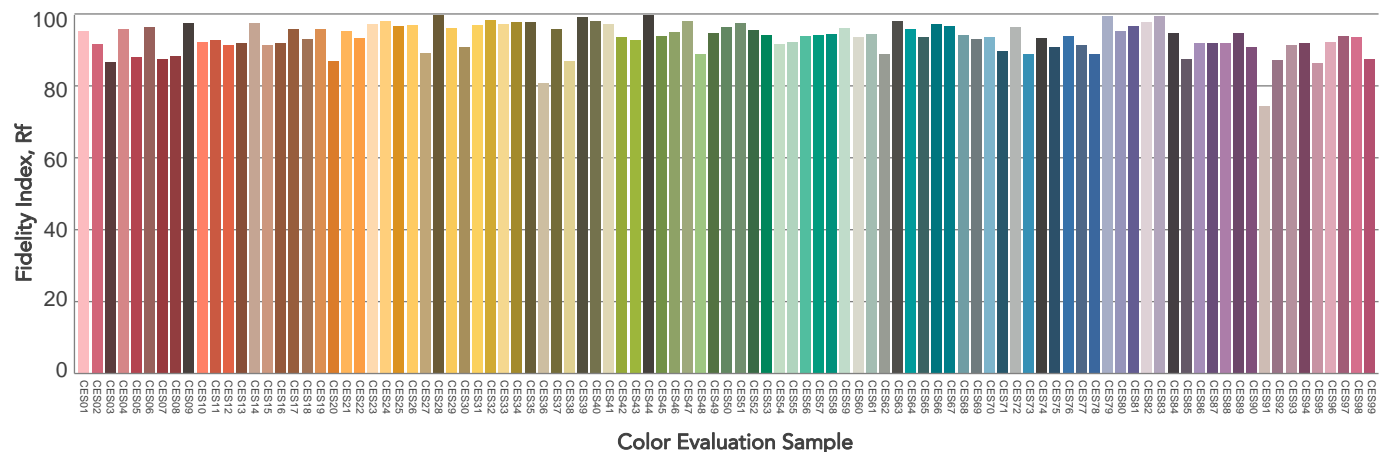
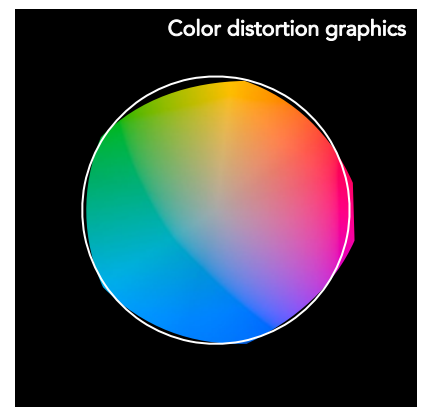
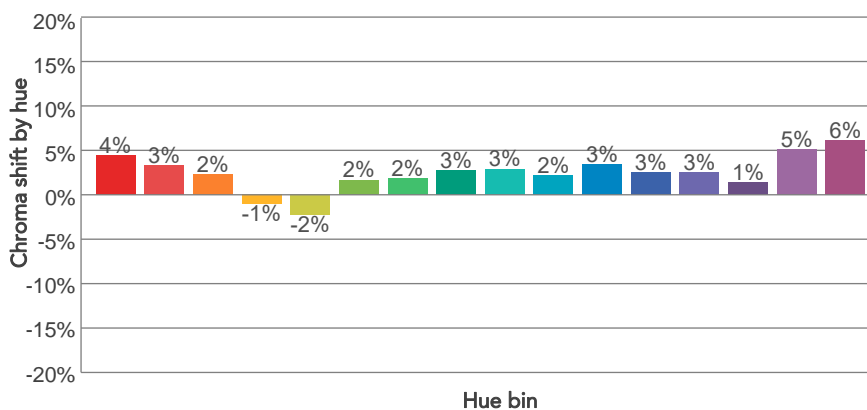
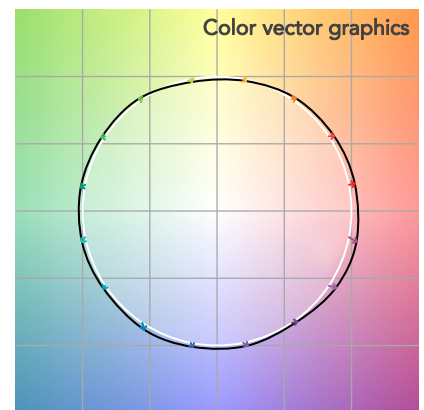
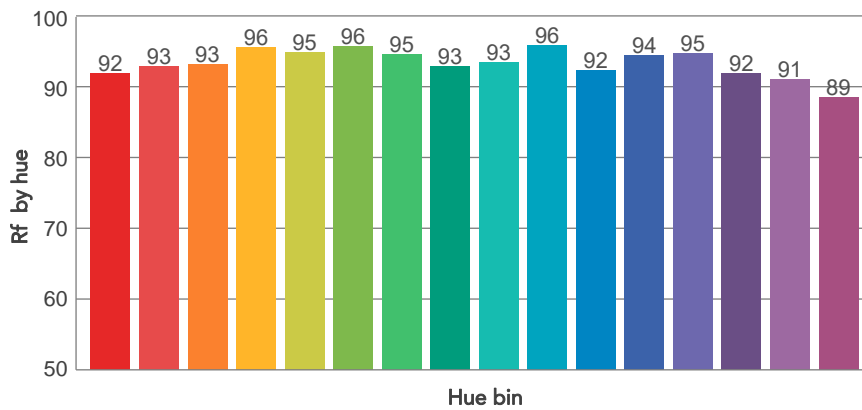
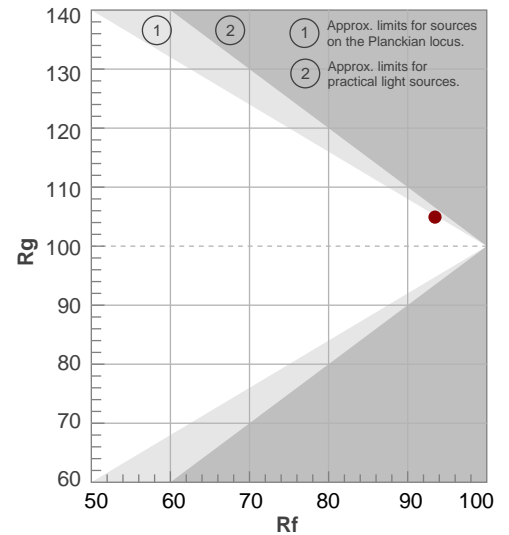
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4130 K	91,2	59,2	93,5	104,9	96,2	98	0,371	0,358	-0,0065

TM30 DETAILS

Rf 93,5
Fidelity index Rf

Rg 104,9
Gammut index

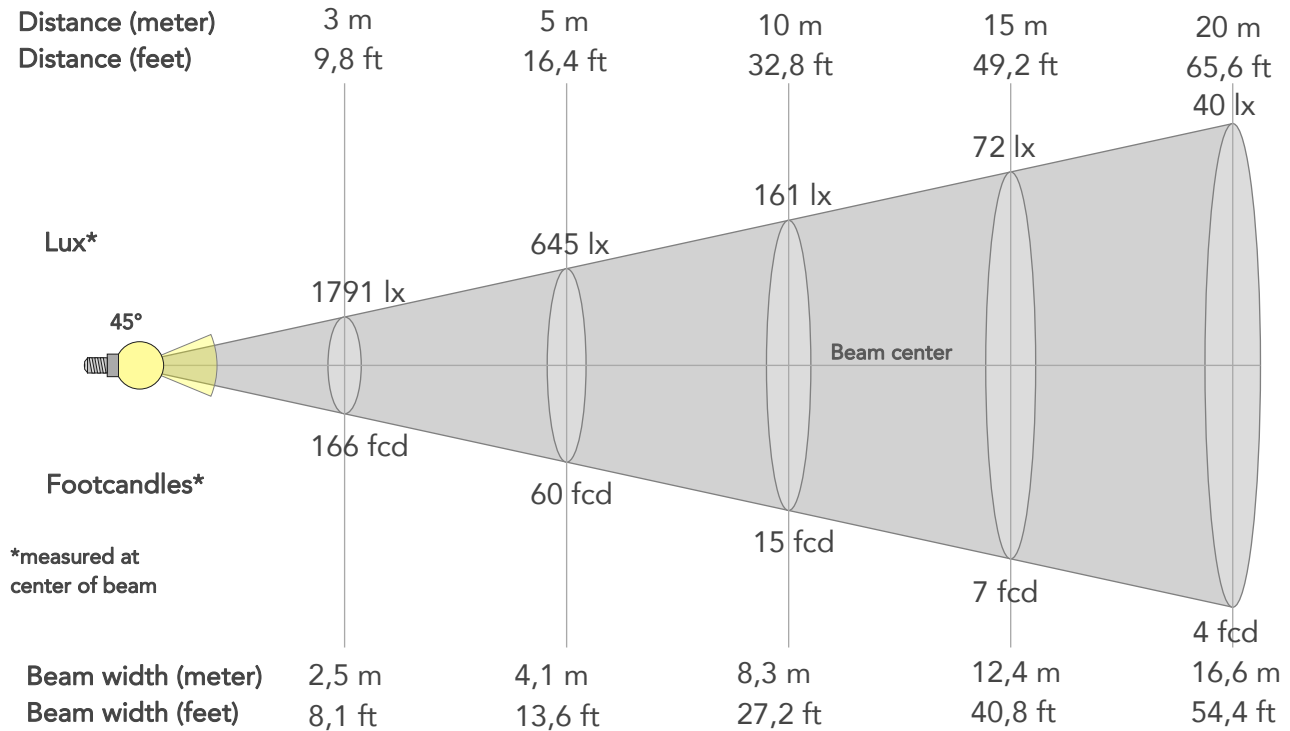
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	92	4%	0%
2	93	3%	-2%
3	93	2%	-2%
4	96	-1%	-2%
5	95	-2%	0%
6	96	2%	2%
7	95	2%	2%
8	93	3%	3%
9	93	3%	3%
10	96	2%	1%
11	92	3%	4%
12	94	3%	2%
13	95	3%	3%
14	92	1%	4%
15	91	5%	2%
16	89	6%	-2%



BEAM DETAILS



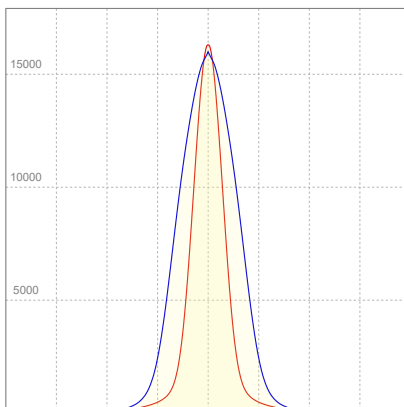
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45°	77,8°	113,2°	95,1%	86,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	16123lx	4031lx	1791lx	1008lx	645lx	287lx	161lx	72lx	40lx	26lx	18lx	10lx	6lx
Footcand.	1498fcd	374fcd	166fcd	94fcd	60fcd	27fcd	15fcd	7fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,1m	6,2m	8,3m	12,4m	16,6m	20,7m	24,9m	33,2m	41,5m
Beam wid.	2,7ft	5,5ft	8,1ft	10,9ft	13,6ft	20,4ft	27,2ft	40,8ft	54,4ft	68ft	81,6ft	108,8ft	136ft

LINEAR DISTRIBUTION DIAGRAM

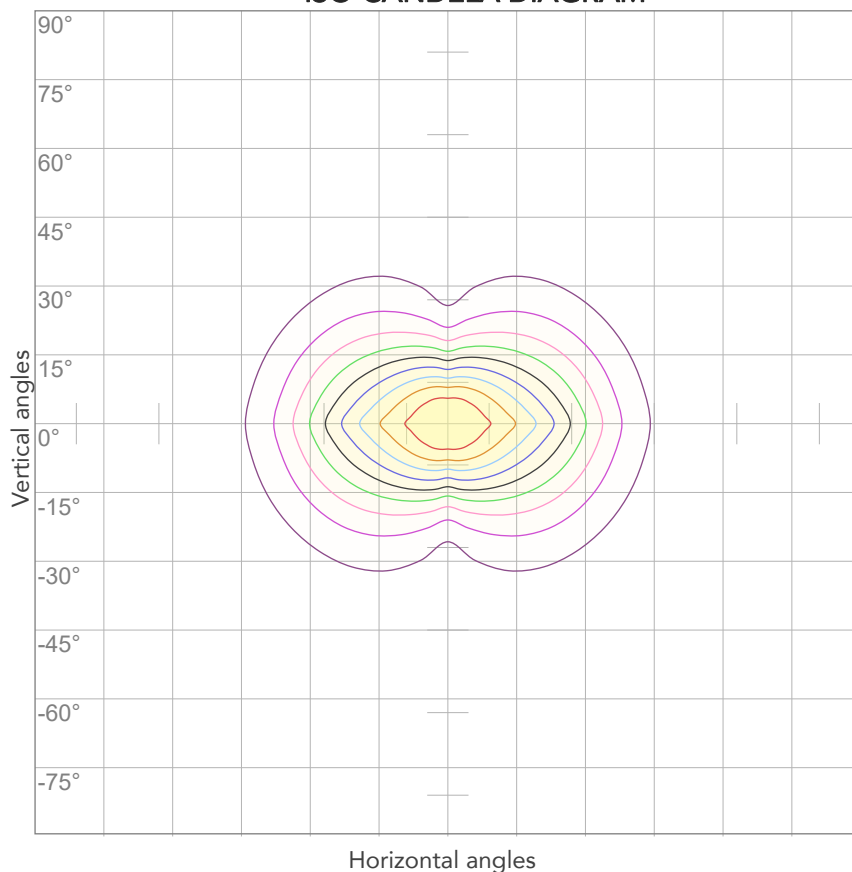


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
223V	1,03A	219,8W	0,96	53lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



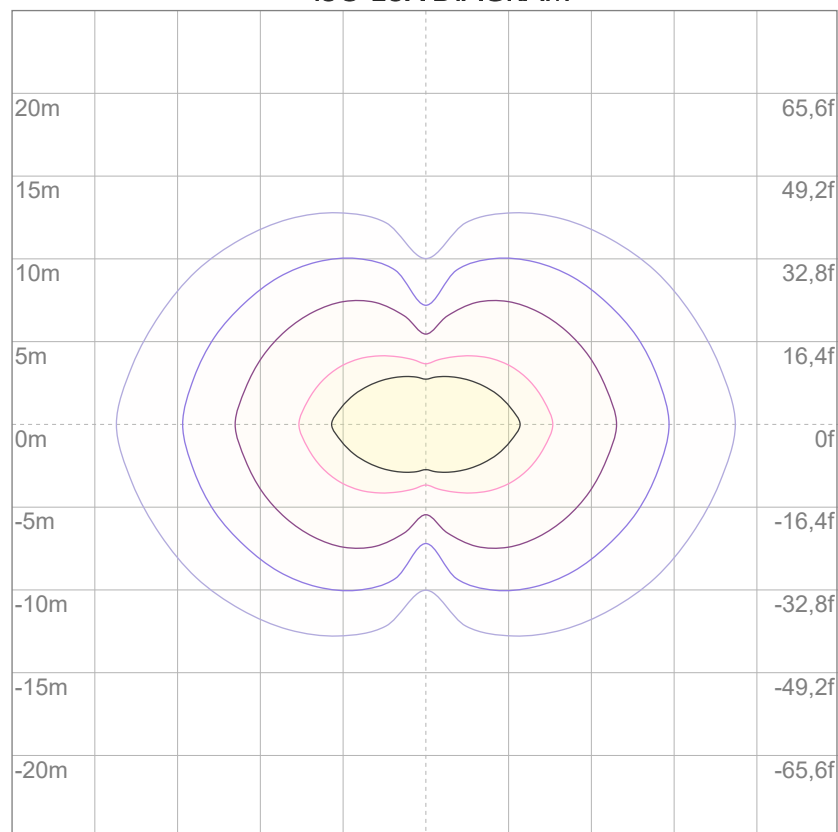
10%	1612 cd
20%	3225 cd
30%	4837 cd
40%	6449 cd
50%	8062 cd
60%	9674 cd
70%	11286 cd
80%	12898 cd

Conditions:

Number of c-planes: 4

Candela at center: 16123 cd

ISO LUX DIAGRAM



3%	4,84 lx
5%	8,06 lx
10%	16,1 lx
30%	48,4 lx
50%	80,6 lx

Conditions:

Number of c-planes: 4

Lux at center: 161 lx

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



Total lumen output:

9911 lm

Peak candela output:

197262 cd

Light quality:

CRI: 96,7

Color temperature:

2622 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

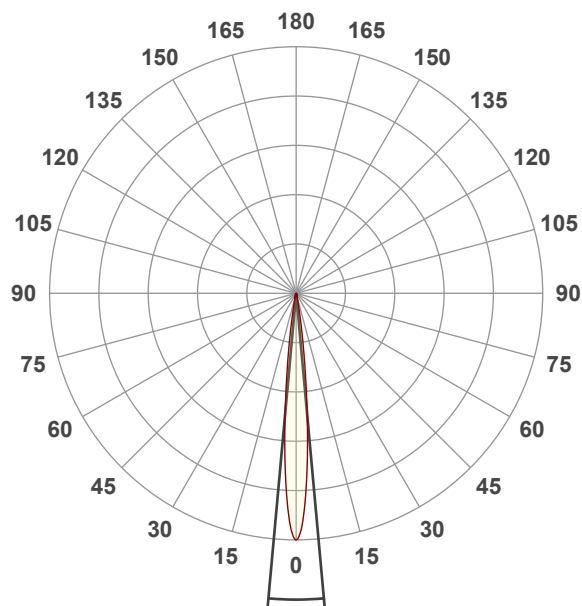
Warm White

Operator:

Salvatore Giglio

Date and time:

23/04/2024 12:40:24

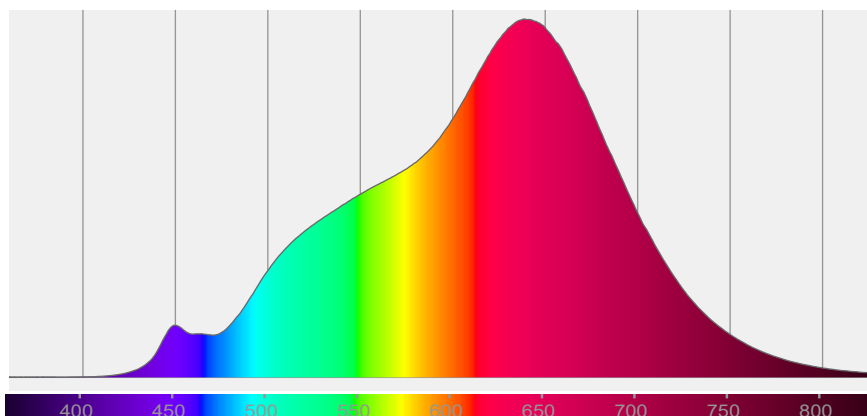


Beam angle 50%: 10,4°

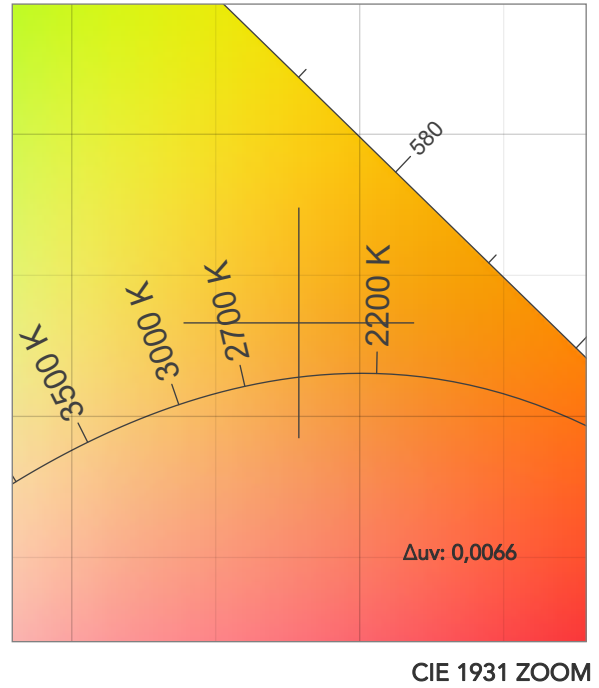
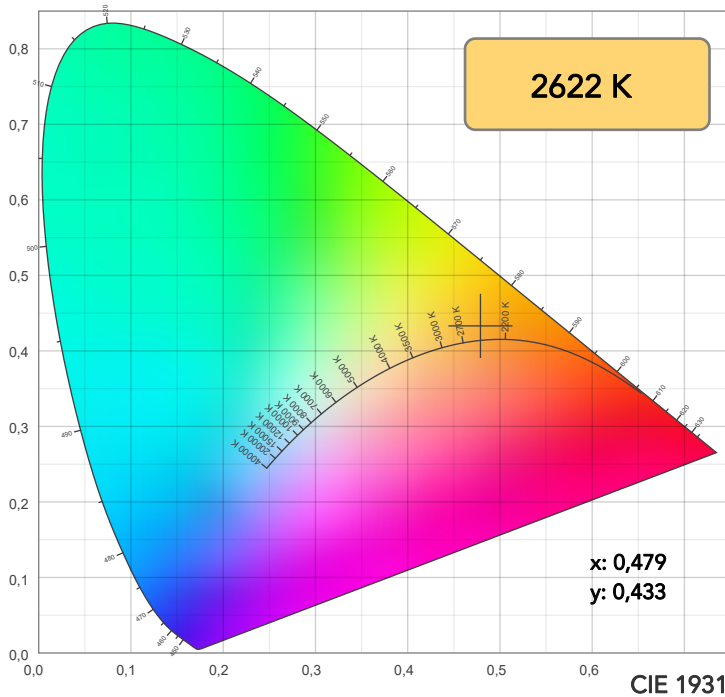
Field angle 10%: 19°

Cut off angle 2.5%: 26,2°

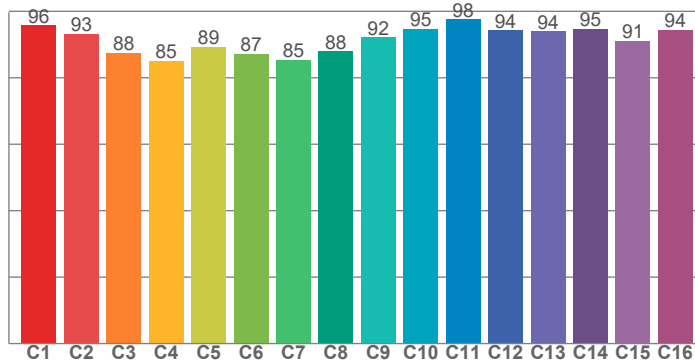
Spectra



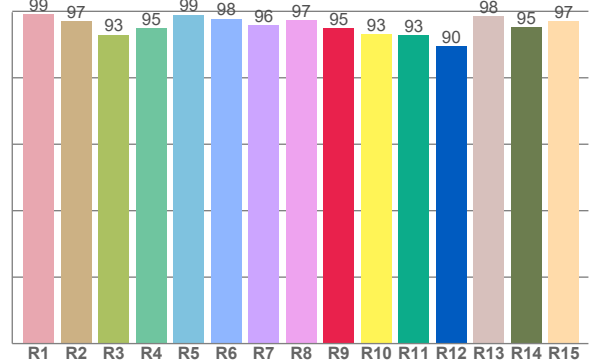
COLOR DETAILS



TM30: 91,7



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
99,2	97,0	92,9	94,9	99,0	97,8	95,8	97,3	94,8	93,1	92,9	89,5	98,5	95,2	97,0

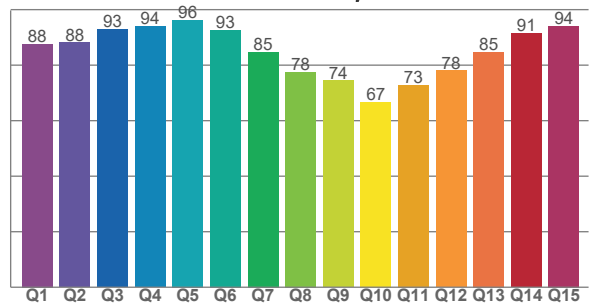
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,8	93,3	87,5	85,1	89,2	87,2	85,5	88,0	92,2	94,7	97,6	94,3	93,9	94,8	91,0	94,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87,6	88,1	92,9	94,0	96,3	92,6	84,7	77,6	74,5	66,7	72,9	78,1	84,7	91,5	94,2

CQS: 82,2



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
2622 K	96,7	94,8	91,7	94,4	82,2	94	0,479	0,433	0,0066

TM30 DETAILS

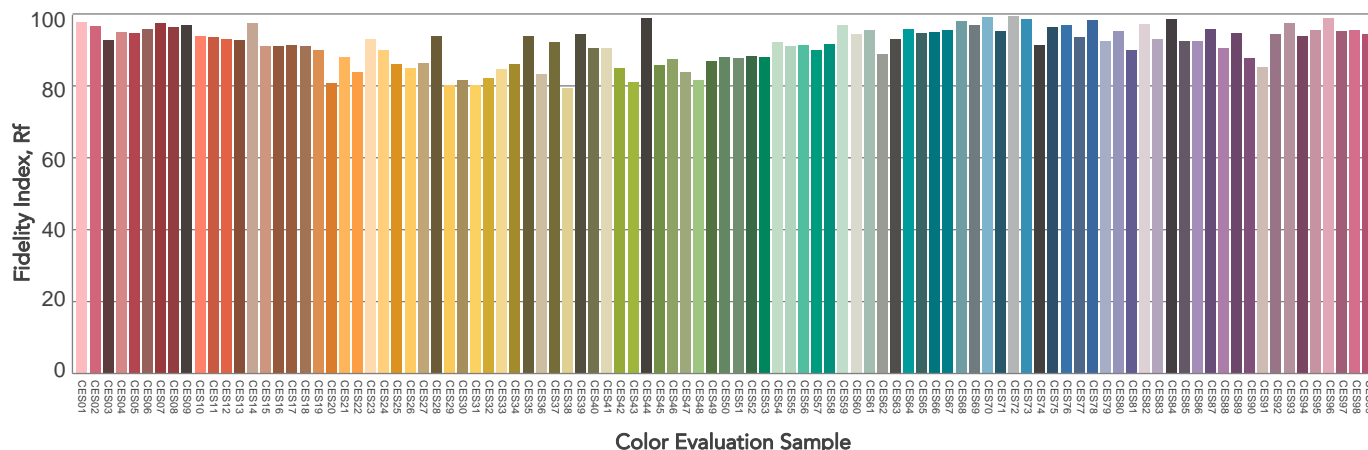
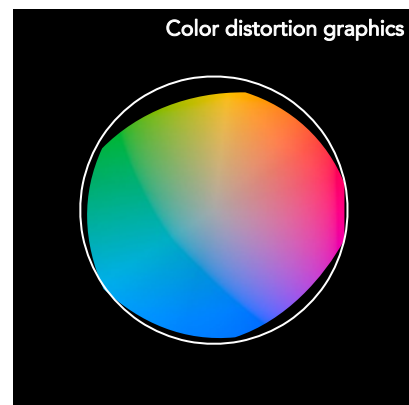
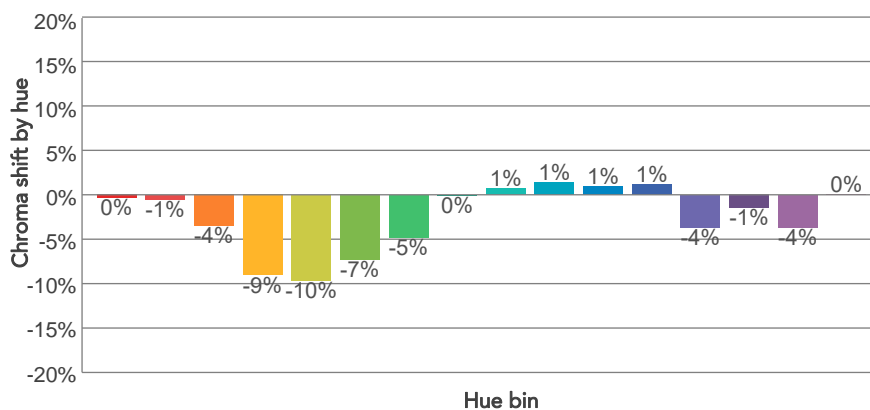
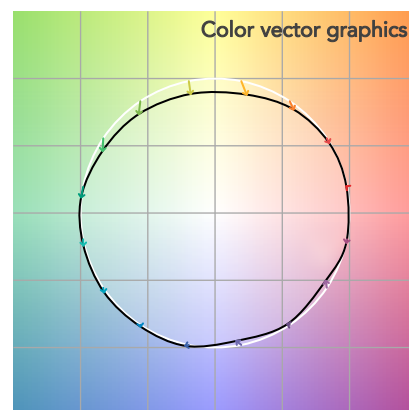
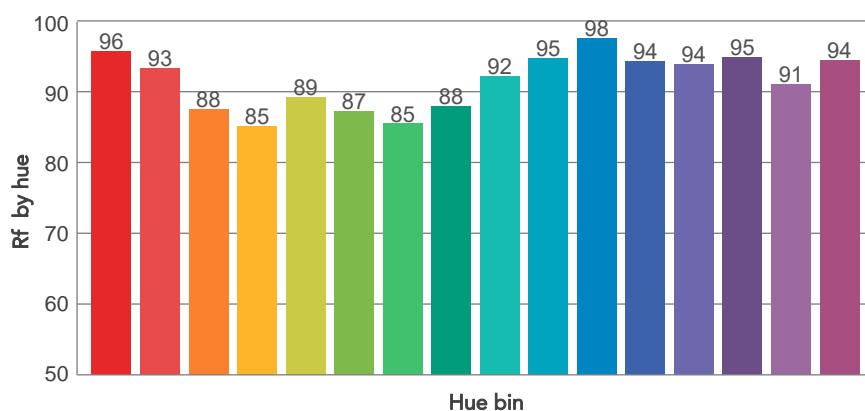
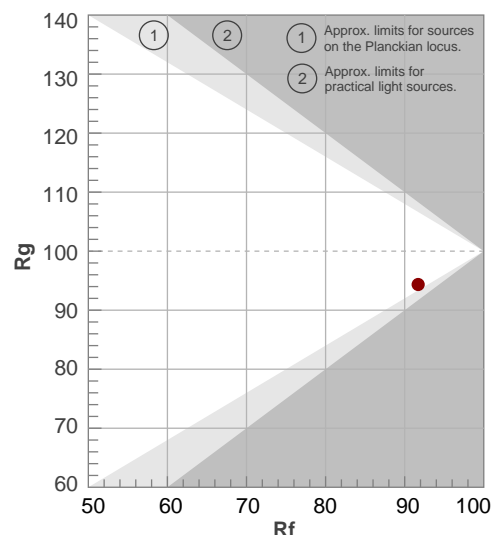
Rf 91,7

Fidelity index Rf

Rg 94,4

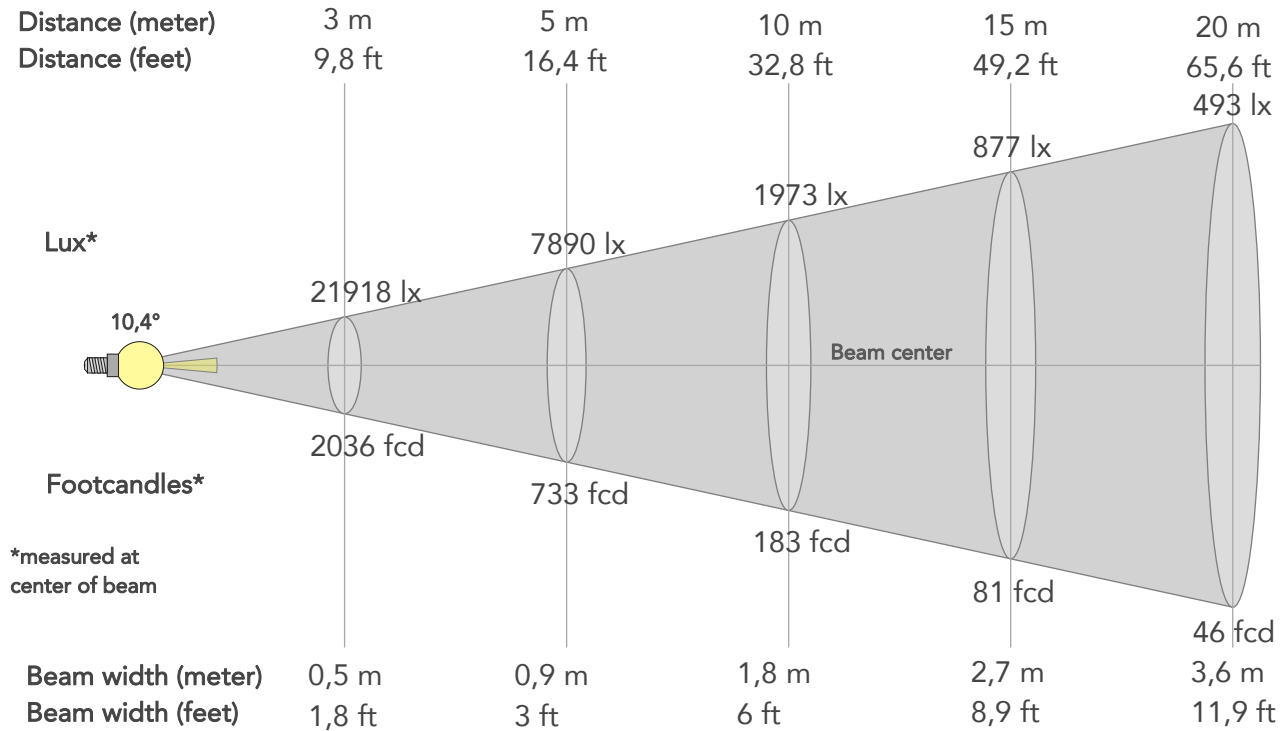
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	0%
2	93	-1%	-4%
3	88	-4%	-6%
4	85	-9%	-6%
5	89	-10%	1%
6	87	-7%	6%
7	85	-5%	8%
8	88	0%	8%
9	92	1%	5%
10	95	1%	3%
11	98	1%	1%
12	94	1%	-2%
13	94	-4%	-3%
14	95	-1%	-1%
15	91	-4%	4%
16	94	0%	-3%



BEAM DETAILS

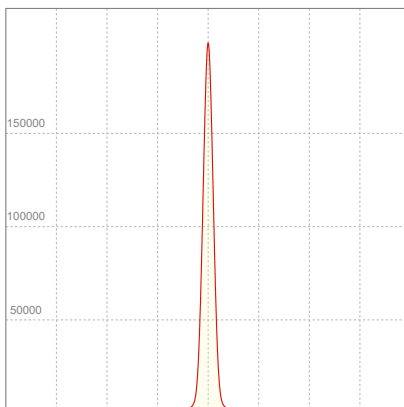
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,4°	19°	26,2°	96,6%	93,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	197262lx	49315lx	21918lx	12329lx	7890lx	3507lx	1973lx	877lx	493lx	316lx	219lx	123lx	79lx
Footcand.	18326fcd	4582fcd	2036fcd	1145fcd	733fcd	326fcd	183fcd	81fcd	46fcd	29fcd	20fcd	11fcd	7fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,4m	1,8m	2,7m	3,6m	4,5m	5,5m	7,3m	9,1m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	6ft	8,9ft	11,9ft	14,9ft	17,9ft	23,9ft	29,8ft

LINEAR DISTRIBUTION DIAGRAM

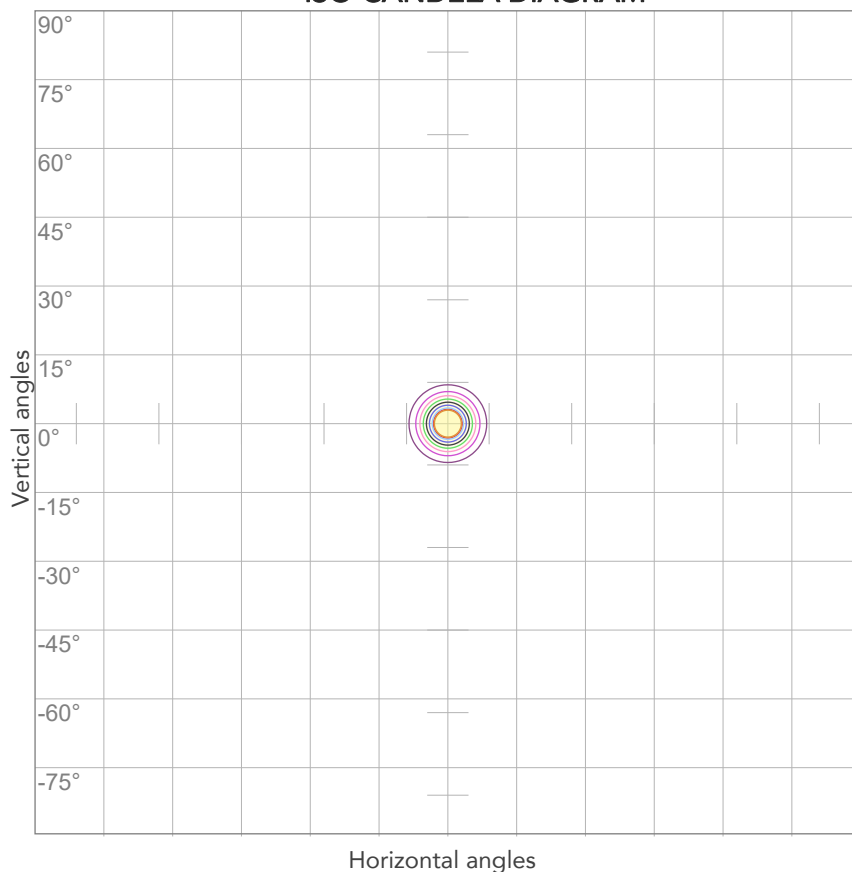


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,970A	208,3W	0,94	48lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



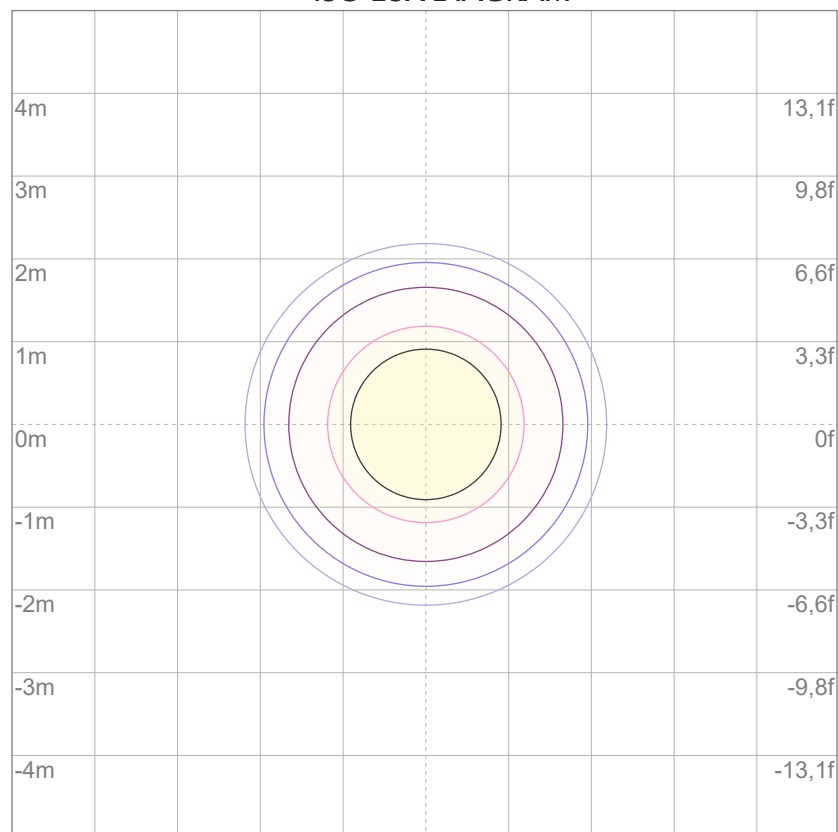
10%	19726 cd
20%	39452 cd
30%	59179 cd
40%	78905 cd
50%	98631 cd
60%	118357 cd
70%	138083 cd
80%	157810 cd

Conditions:

Number of c-planes: 2

Candela at center: 197262 cd

ISO LUX DIAGRAM



3%	59,2 lx
5%	98,6 lx
10%	197 lx
30%	592 lx
50%	986 lx

Conditions:

Number of c-planes: 2

Lux at center: 1973 lx

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



Total lumen output:

8807 lm

Peak candela output:

34918 cd

Light quality:

CRI: 95,6

Color temperature:

2519 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

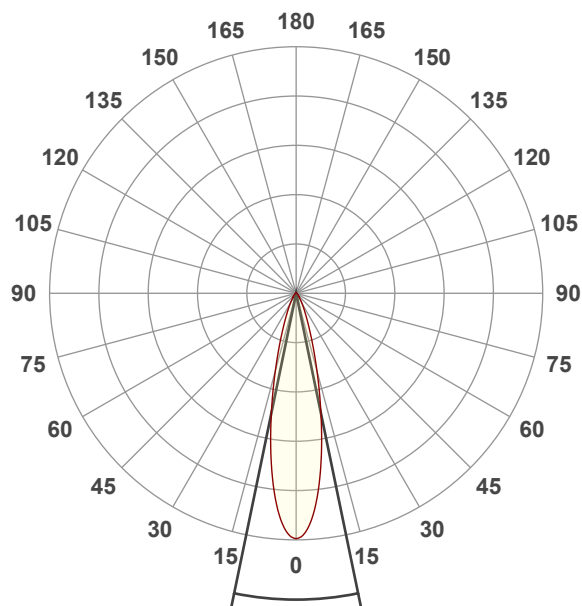
Warm White

Operator:

Salvatore Giglio

Date and time:

27/02/2024 14:53:28

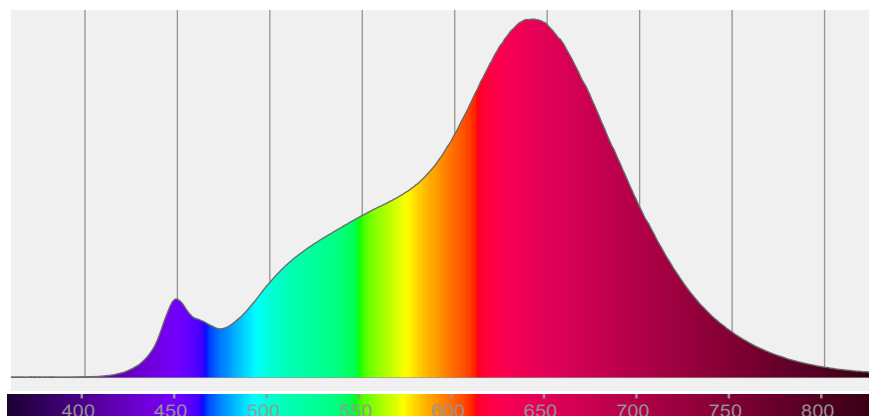


Beam angle 50%: 23,3°

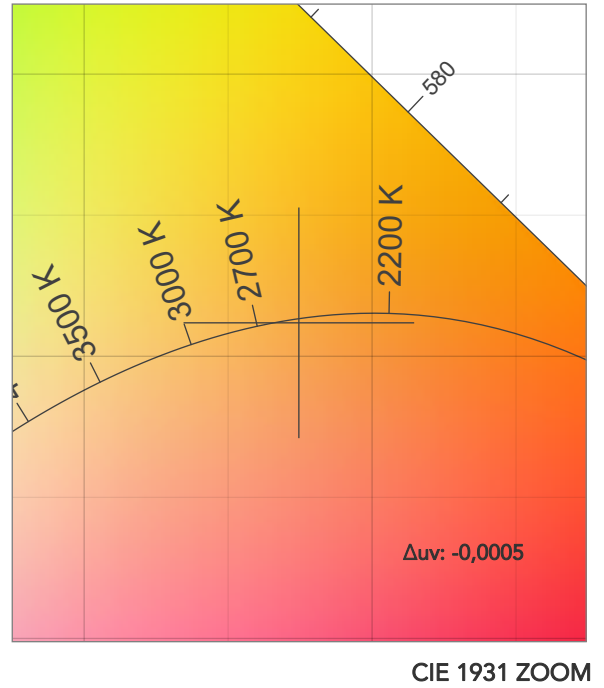
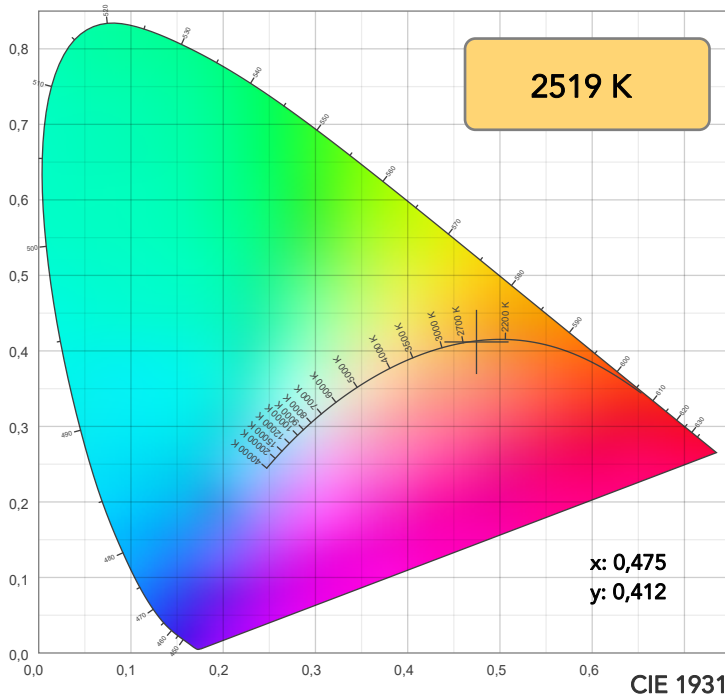
Field angle 10%: 47,4°

Cut off angle 2.5%: 72,4°

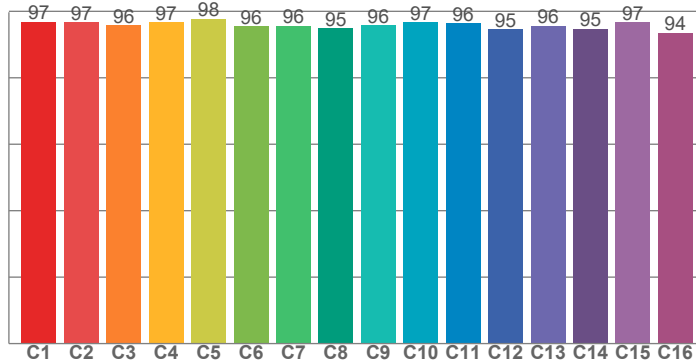
Spectra



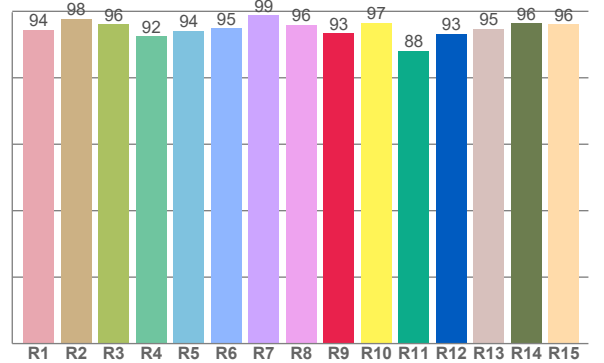
COLOR DETAILS



TM30: 96,0



CRI: 95,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,4	97,7	96,0	92,5	94,2	94,9	98,9	96,0	93,5	96,5	88,1	93,2	94,8	96,5	96,0

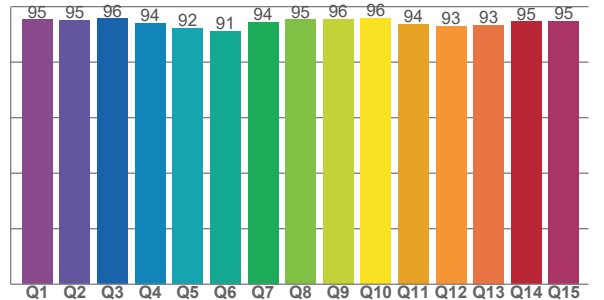
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 93,9



COLOR PARAMETERS

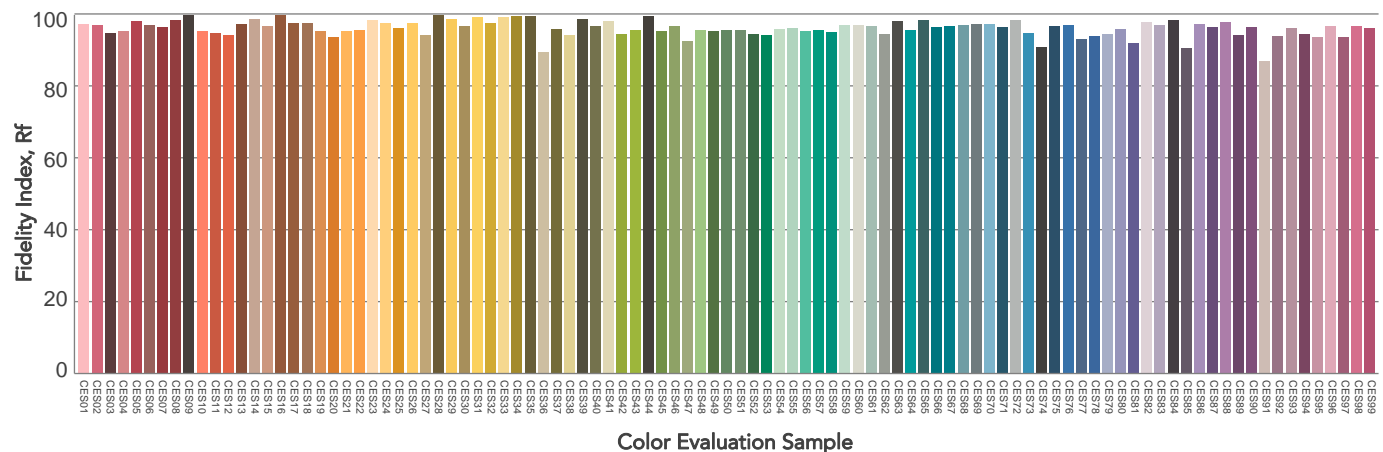
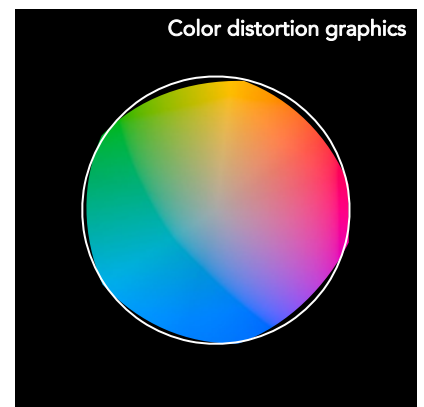
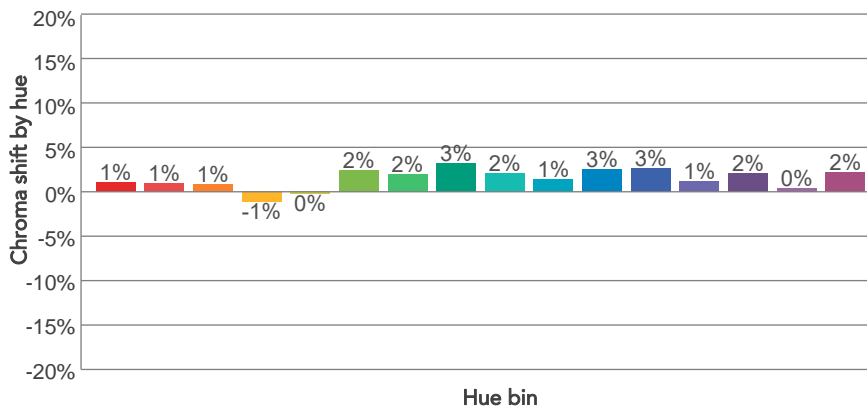
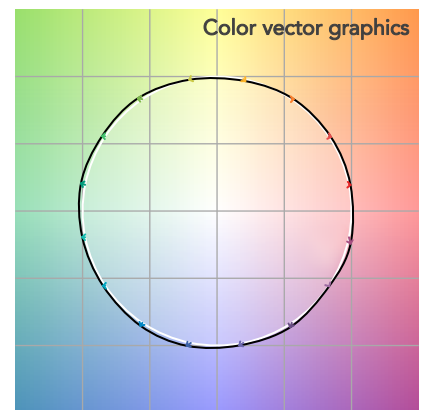
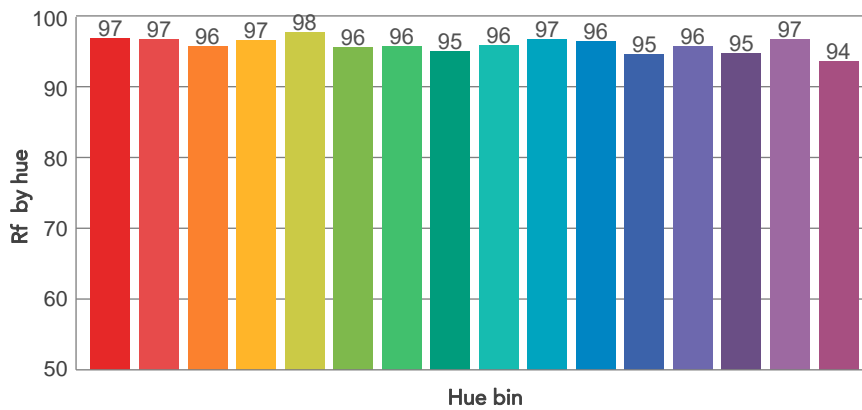
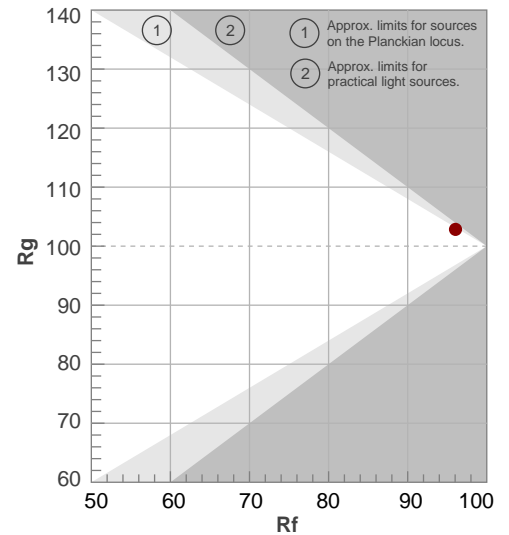
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2519 K	95,6	93,5	96,0	102,8	93,9	98	0,475	0,412	-0,0005

TM30 DETAILS

Rf 96,0
Fidelity index Rf

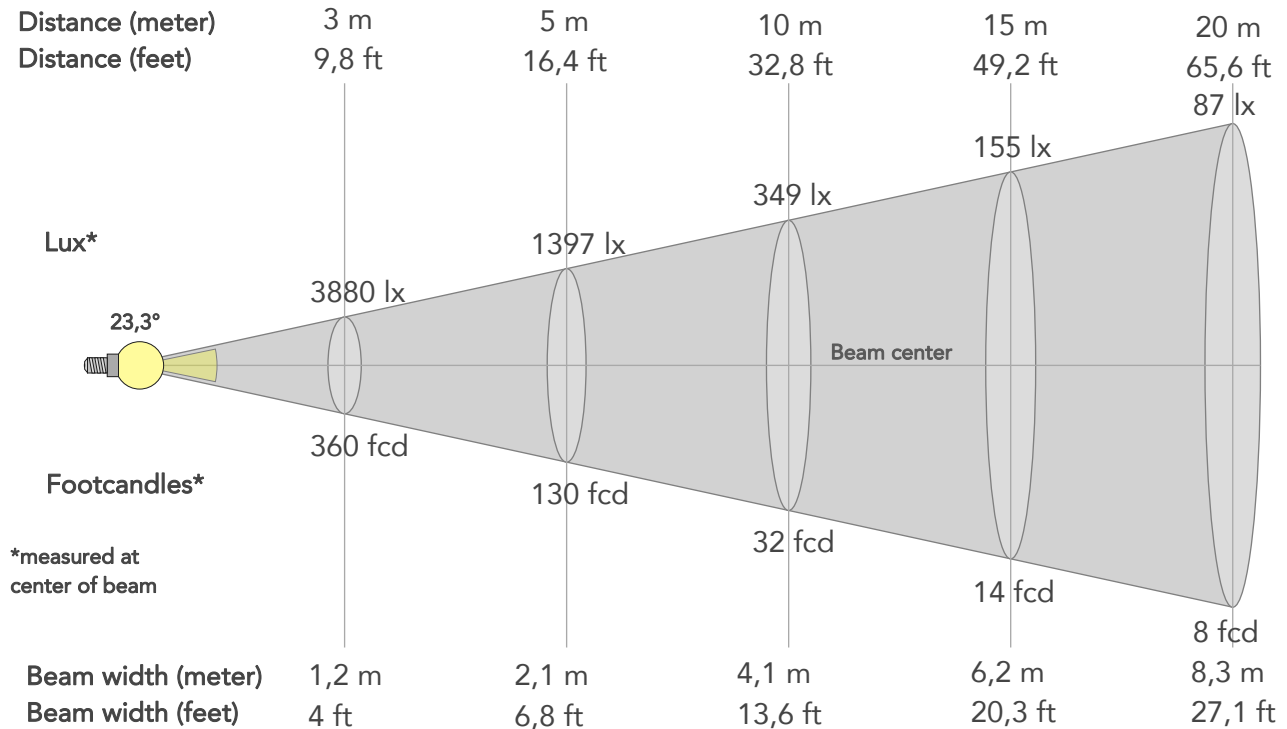
Rg 102,8
Gammut index

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



BEAM DETAILS

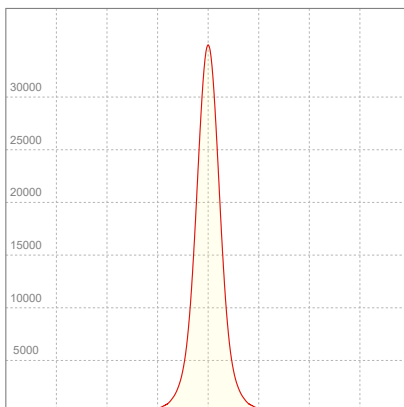
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,3°	47,4°	72,4°	96,3%	91,8%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	34918lx	8729lx	3880lx	2182lx	1397lx	621lx	349lx	155lx	87lx	56lx	39lx	22lx	14lx
Footcand.	3244fcd	811fcd	360fcd	203fcd	130fcd	58fcd	32fcd	14fcd	8fcd	5fcd	4fcd	2fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,3m	12,4m	16,5m	20,7m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,8ft	10,2ft	13,6ft	20,3ft	27,1ft	33,9ft	40,7ft	54,2ft	67,8ft

LINEAR DISTRIBUTION DIAGRAM

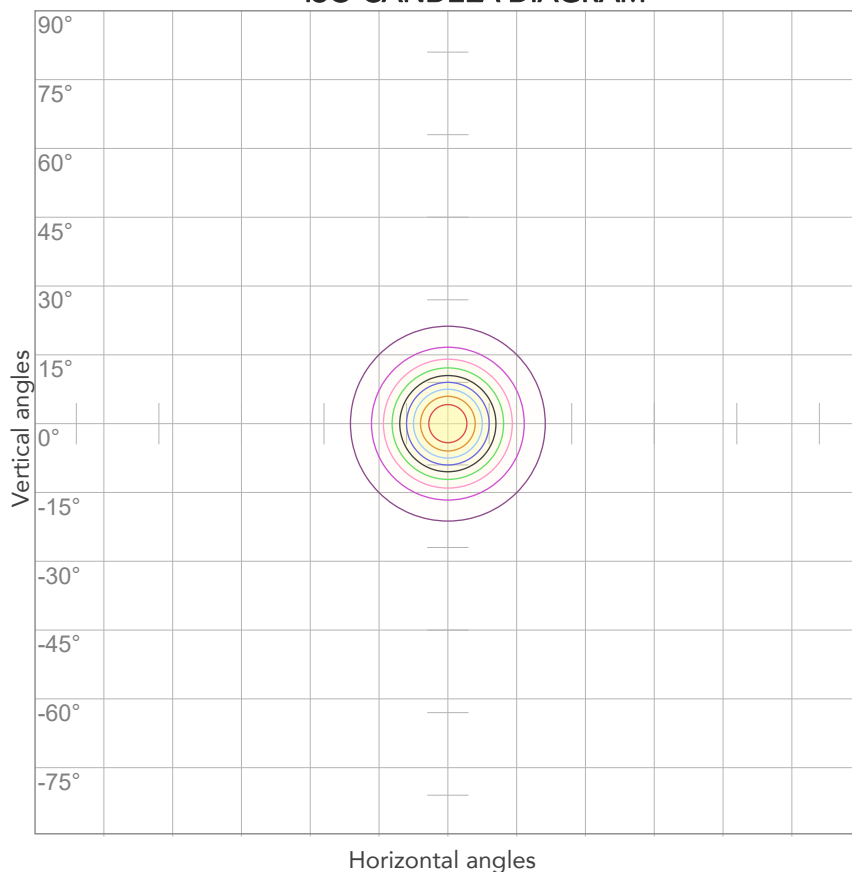


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,979A	211,4W	0,96	42lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



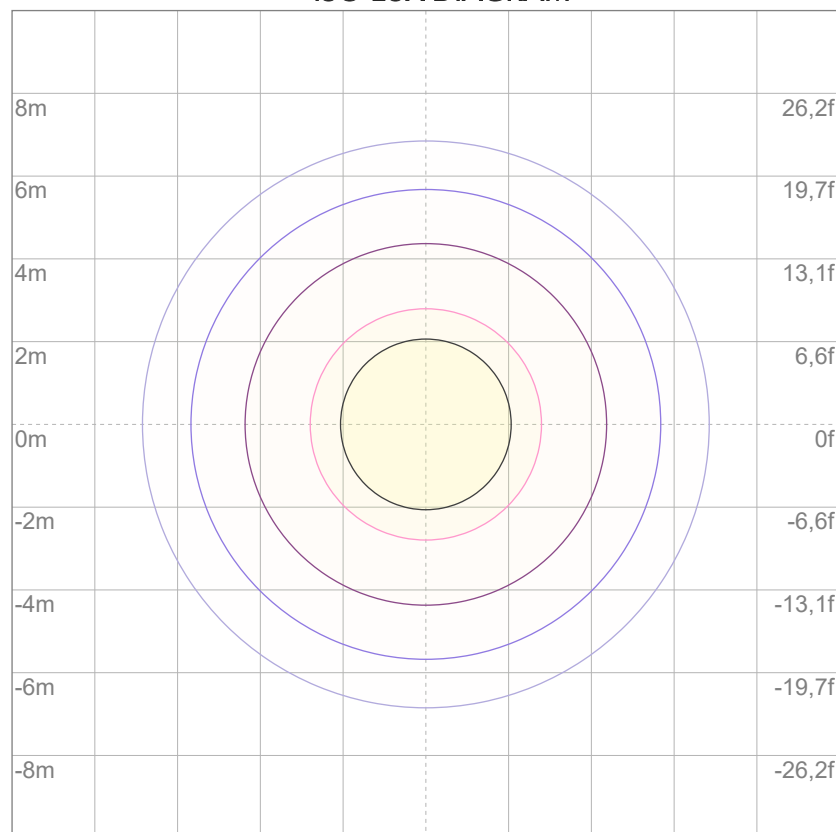
10%	3492 cd
20%	6984 cd
30%	10475 cd
40%	13967 cd
50%	17459 cd
60%	20951 cd
70%	24442 cd
80%	27934 cd

Conditions:

Number of c-planes: 2

Candela at center: 34918 cd

ISO LUX DIAGRAM



3%	10,5 lx
5%	17,5 lx
10%	34,9 lx
30%	105 lx
50%	175 lx

Conditions:

Number of c-planes: 2

Lux at center: 349 lx

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



Total lumen output:

8333 lm

Peak candela output:

10893 cd

Light quality:

CRI: 95,5

Color temperature:

2532 K

PRODUCT NAME:

ARCSPOTXLW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

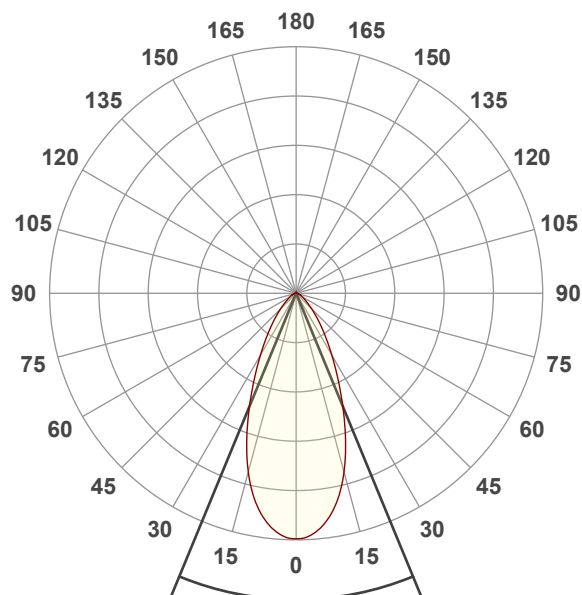
Warm White

Operator:

Salvatore Giglio

Date and time:

27/02/2024 15:37:38

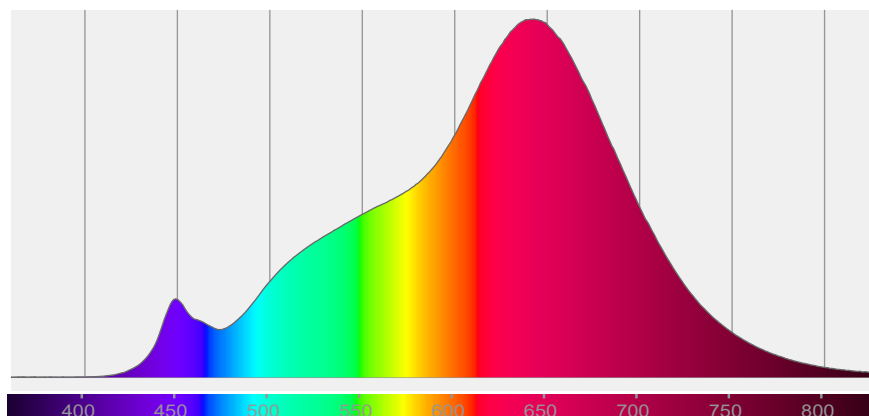


Beam angle 50%: 44,8°

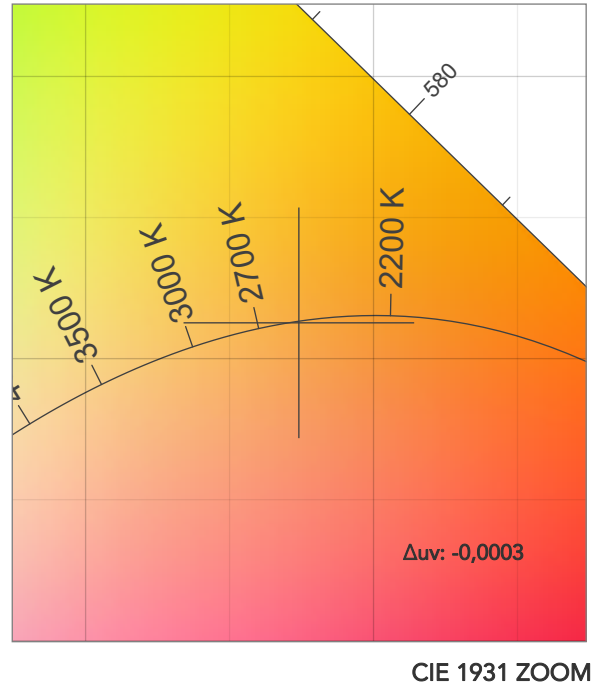
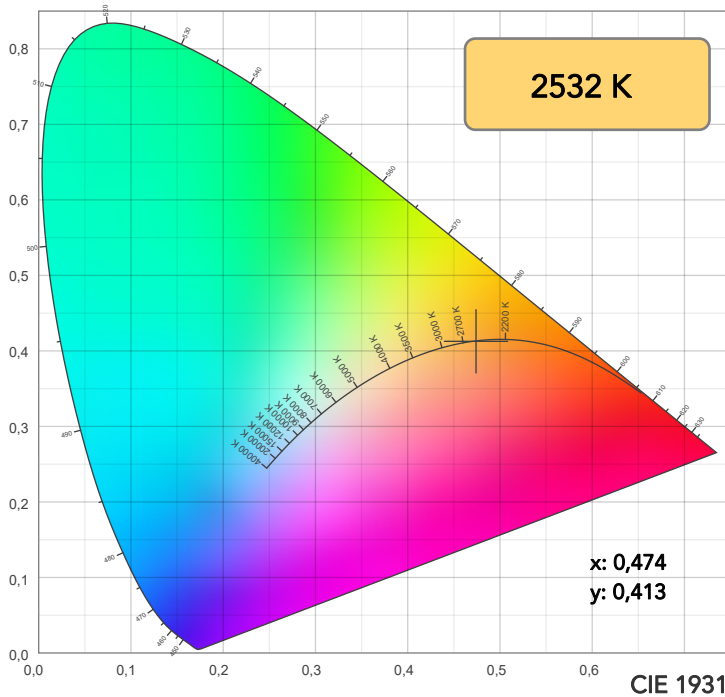
Field angle 10%: 87,3°

Cut off angle 2.5%: 125,2°

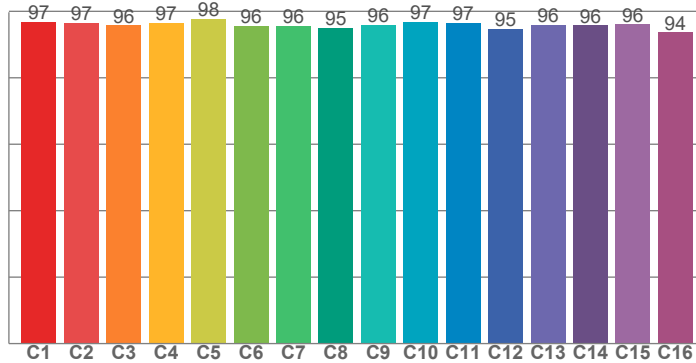
Spectra



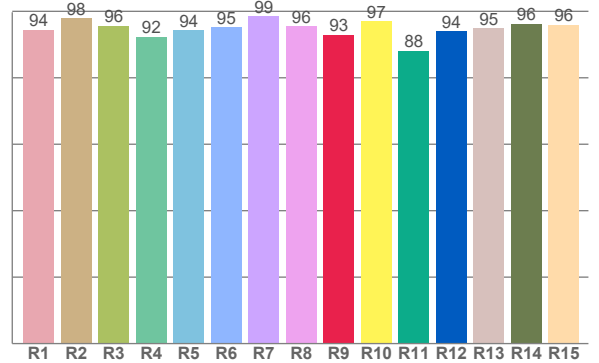
COLOR DETAILS



TM30: 96,1



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
94,5	98,0	95,7	92,4	94,3	95,3	98,5	95,6	92,9	97,0	88,1	93,9	94,9	96,3	96,0

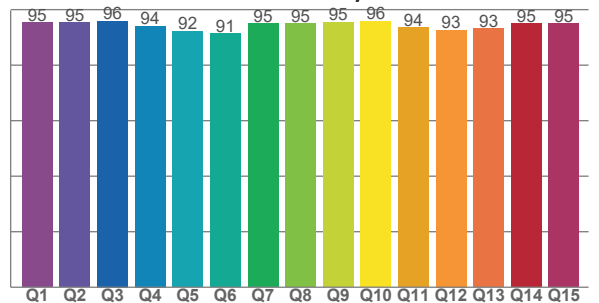
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,3	95,3	95,9	94,0	92,2	91,4	94,9	94,9	95,5	95,8	93,6	92,6	93,1	95,0	95,0

CQS: 93,9



COLOR PARAMETERS

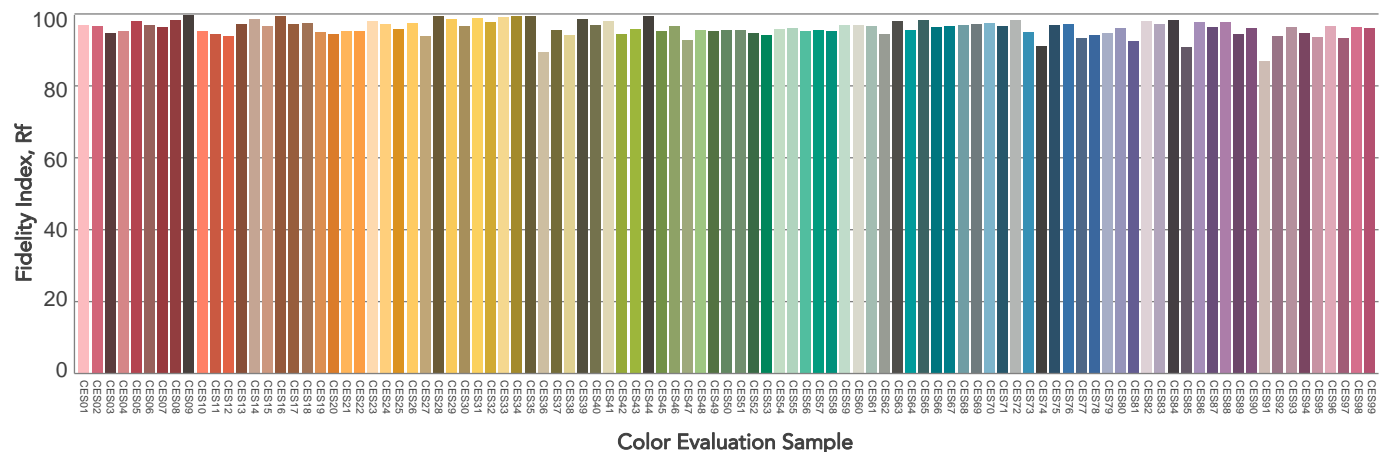
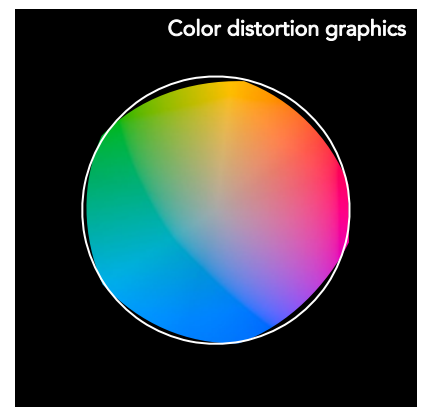
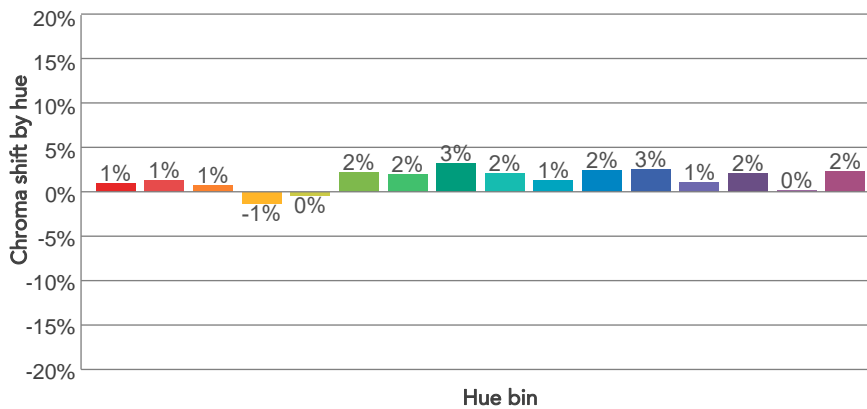
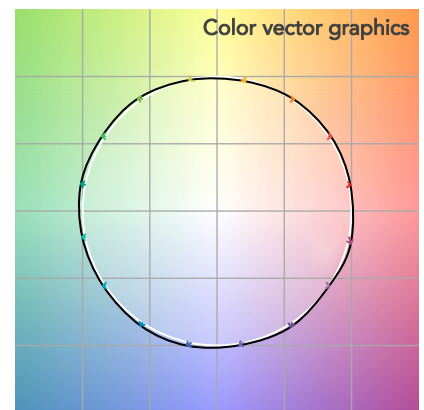
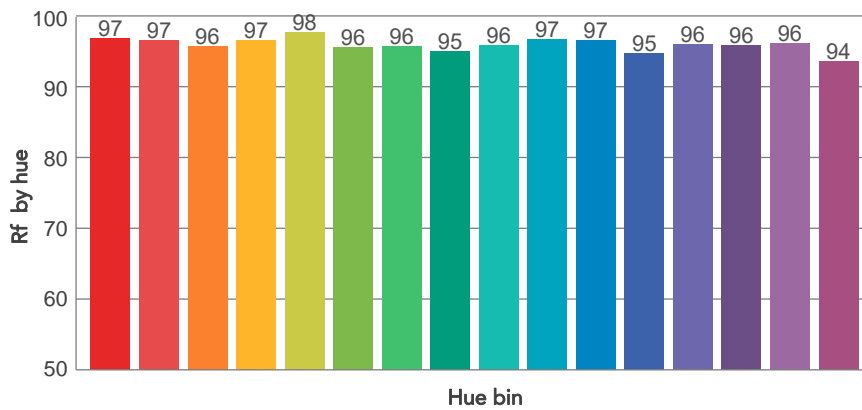
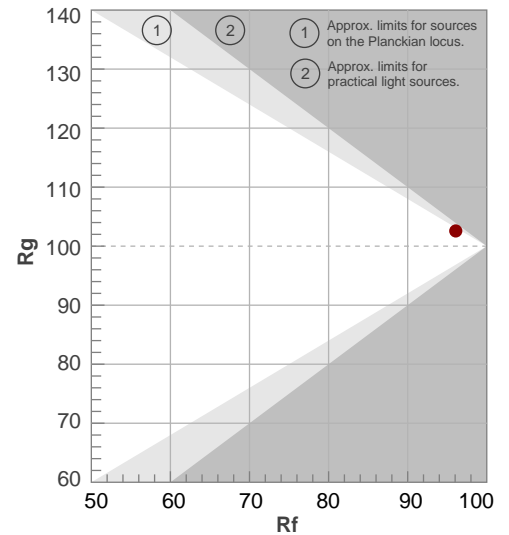
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2532 K	95,5	92,9	96,1	102,6	93,9	98	0,474	0,413	-0,0003

TM30 DETAILS

Rf 96,1
Fidelity index Rf

Rg 102,6
Gammut index

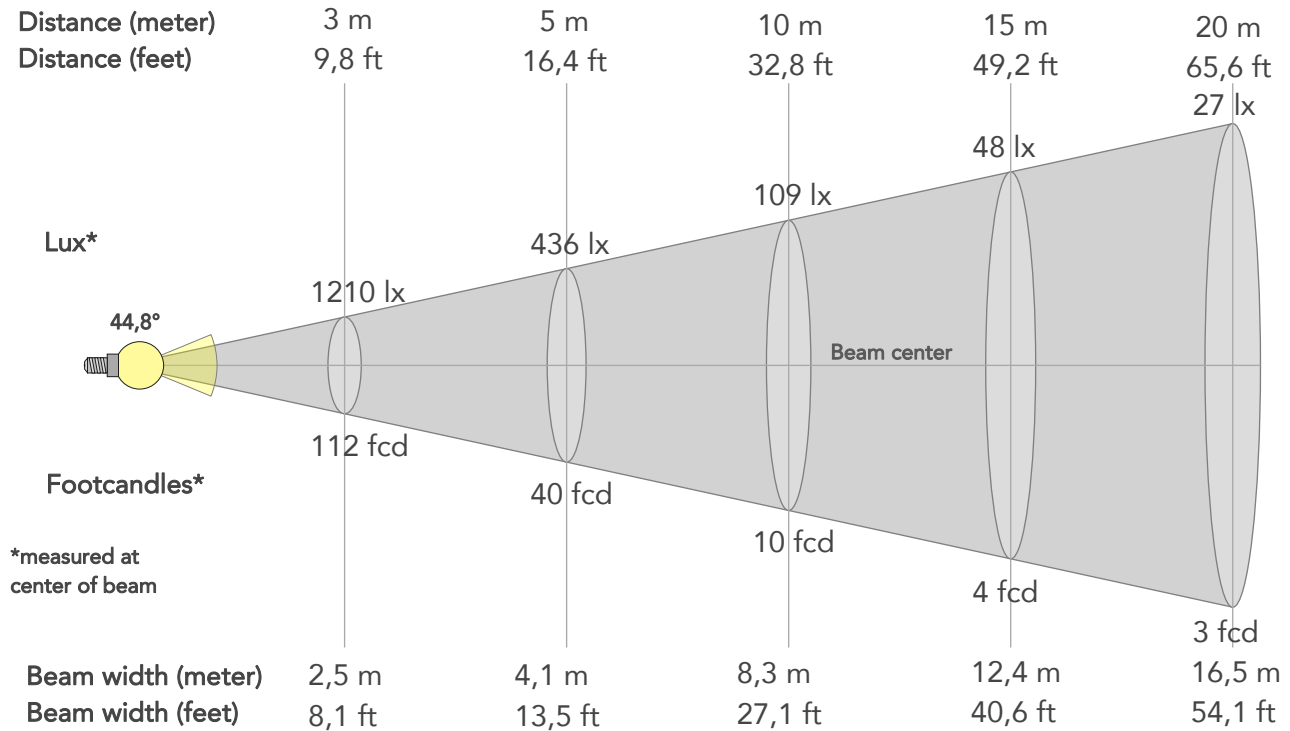
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	0%
2	97	1%	-1%
3	96	1%	-1%
4	97	-1%	-2%
5	98	0%	1%
6	96	2%	3%
7	96	2%	1%
8	95	3%	0%
9	96	2%	-1%
10	97	1%	-1%
11	97	2%	0%
12	95	3%	-2%
13	96	1%	-3%
14	96	2%	-2%
15	96	0%	0%
16	94	2%	-4%



BEAM DETAILS



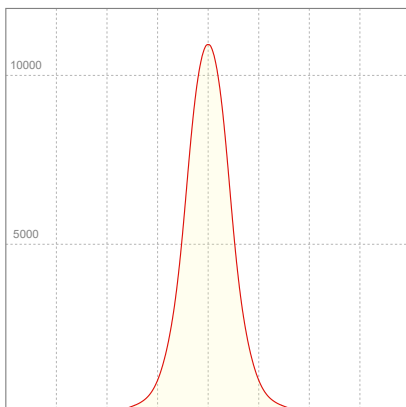
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,8°	87,3°	125,2°	94,7%	85,9%



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	10893lx	2723lx	1210lx	681lx	436lx	194lx	109lx	48lx	27lx	17lx	12lx	7lx	4lx
Footcand.	1012fcd	253fcd	112fcd	63fcd	40fcd	18fcd	10fcd	4fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,1m	6,2m	8,3m	12,4m	16,5m	20,6m	24,8m	33m	41,3m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,3ft	27,1ft	40,6ft	54,1ft	67,7ft	81,2ft	108,3ft	135,4ft

LINEAR DISTRIBUTION DIAGRAM

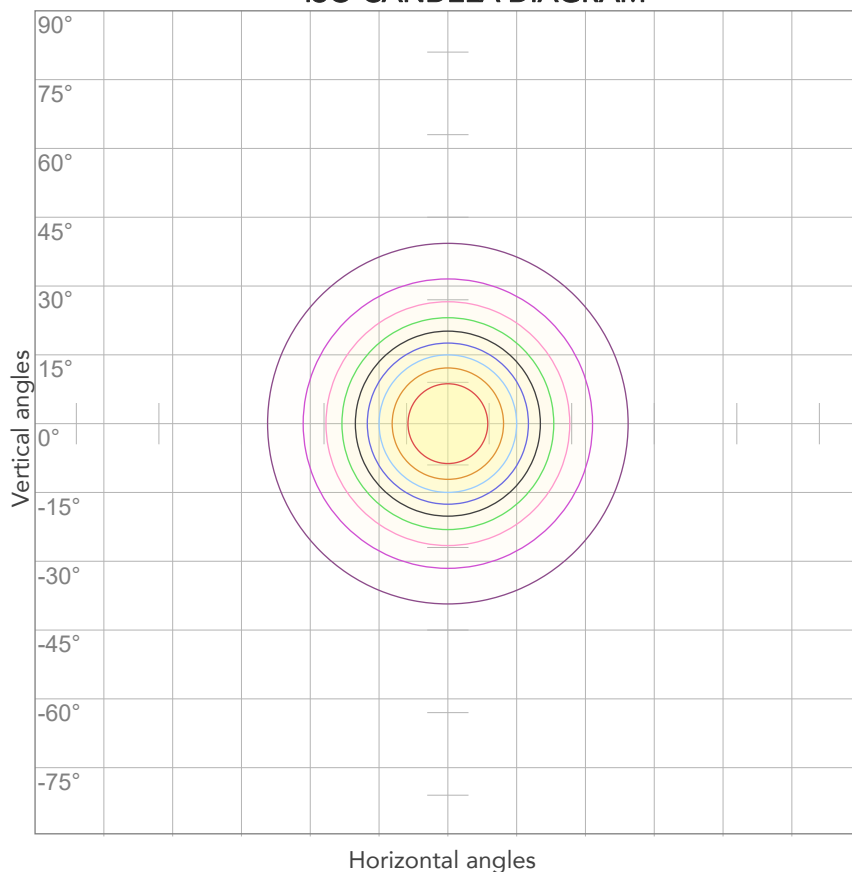


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,987A	212,9W	0,96	39lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



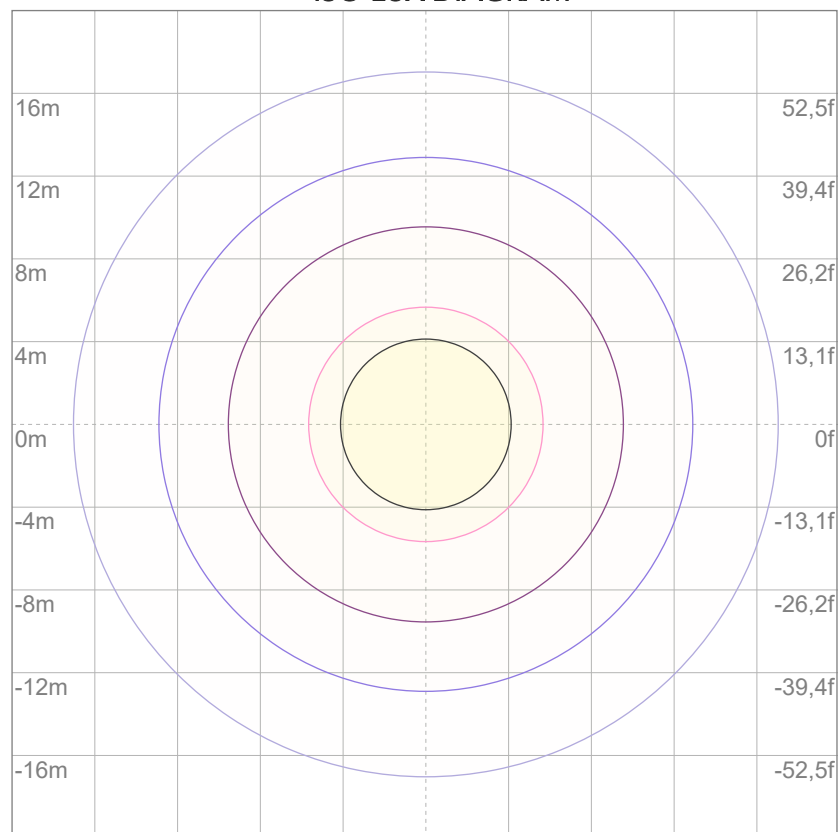
10%	1089 cd
20%	2179 cd
30%	3268 cd
40%	4357 cd
50%	5447 cd
60%	6536 cd
70%	7625 cd
80%	8714 cd

Conditions:

Number of c-planes: 2

Candela at center: 10893 cd

ISO LUX DIAGRAM



3%	3,27 lx
5%	5,45 lx
10%	10,9 lx
30%	32,7 lx
50%	54,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 109 lx

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



Total lumen output:

8124 lm

Peak candela output:

7350 cd

Light quality:

CRI: 95,4

Color temperature:

2511 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

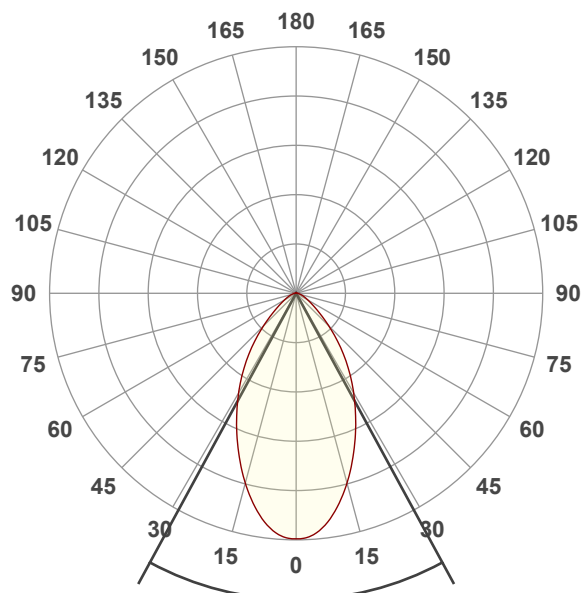
Warm White

Operator:

Salvatore Giglio

Date and time:

27/02/2024 16:09:57

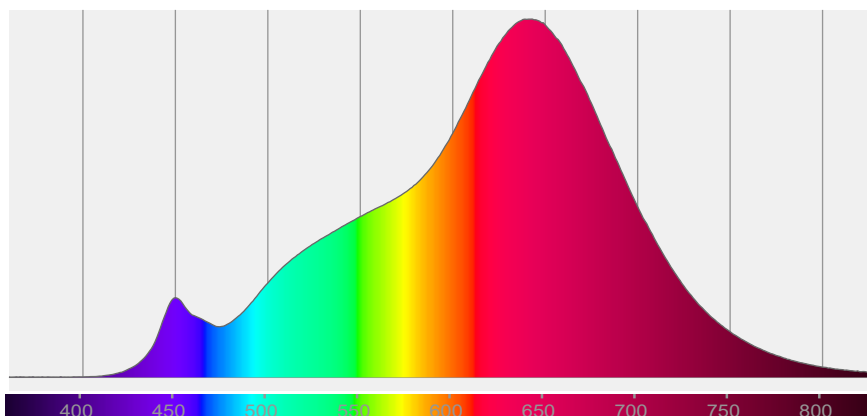


Beam angle 50%: 57°

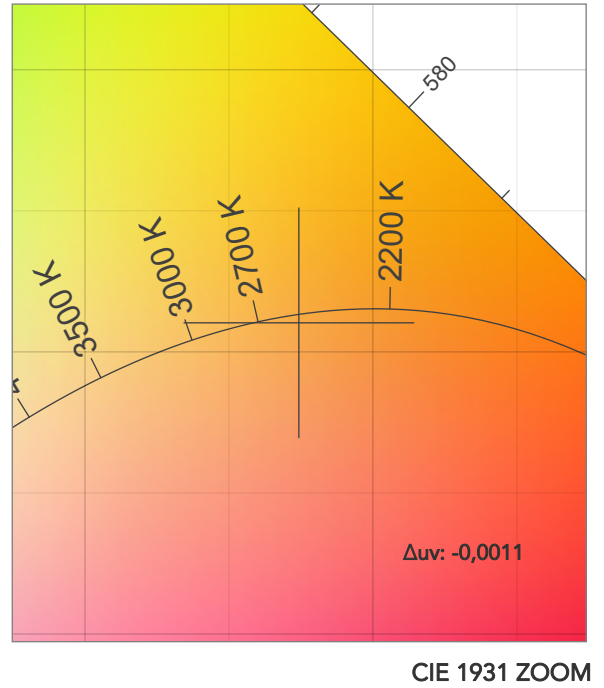
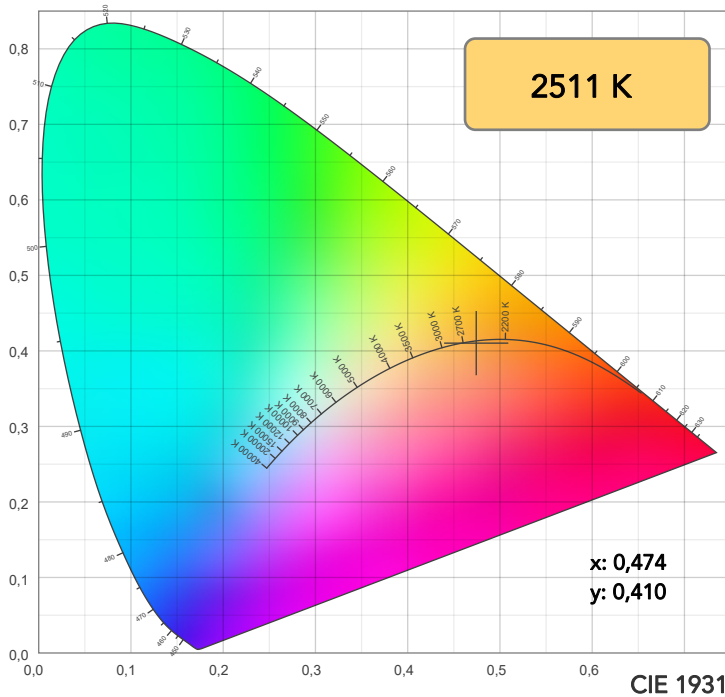
Field angle 10%: 105°

Cut off angle 2.5%: 143,2°

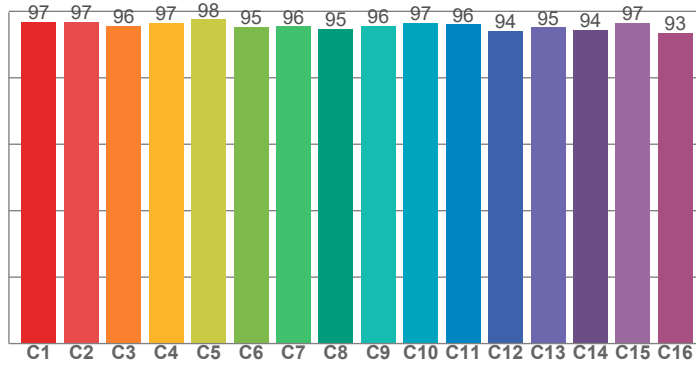
Spectra



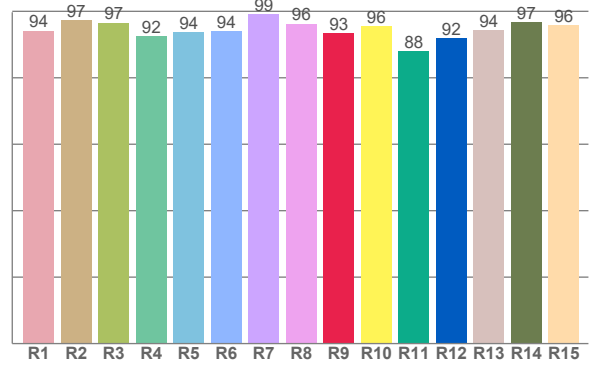
COLOR DETAILS



TM30: 95,9



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
94,1	97,3	96,5	92,4	93,7	94,1	99,2	96,2	93,5	95,5	87,9	91,9	94,4	96,8	95,8

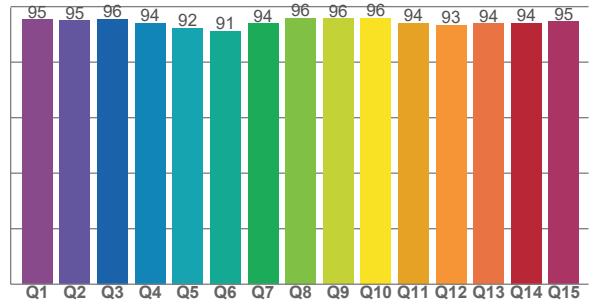
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 94,0



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2511 K	95,4	93,5	95,9	103,1	94,0	98	0,474	0,410	-0,0011

TM30 DETAILS

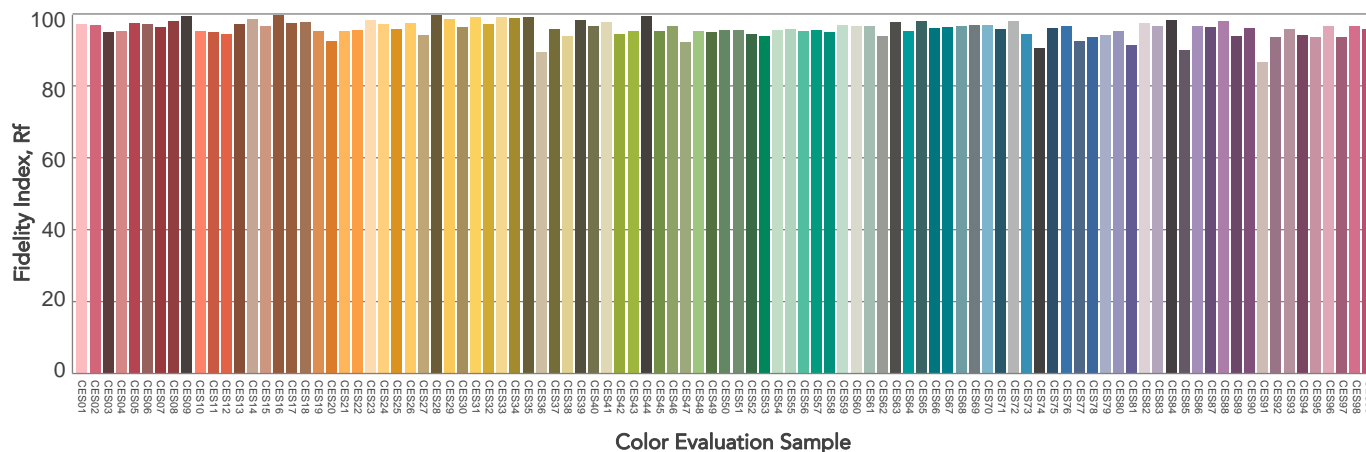
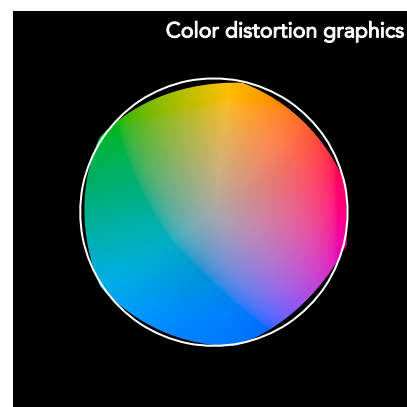
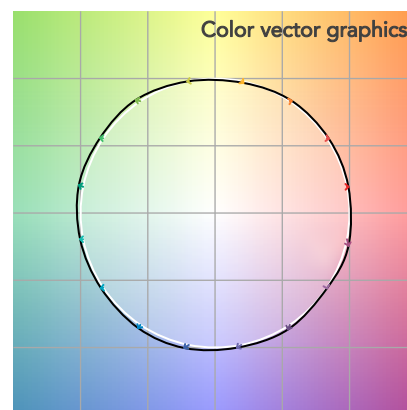
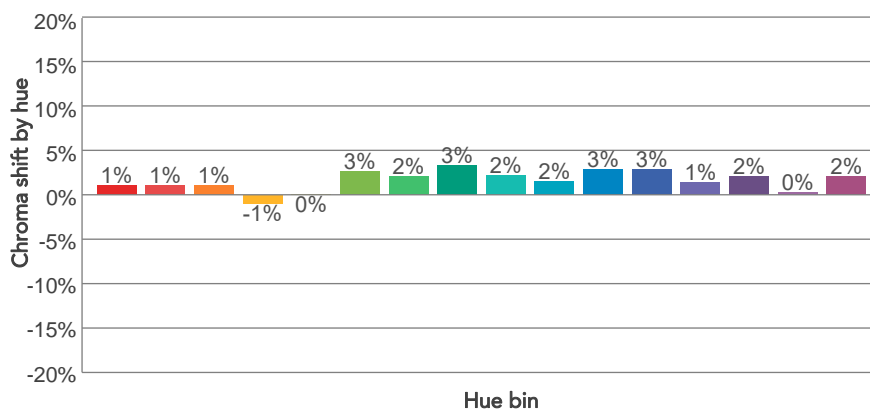
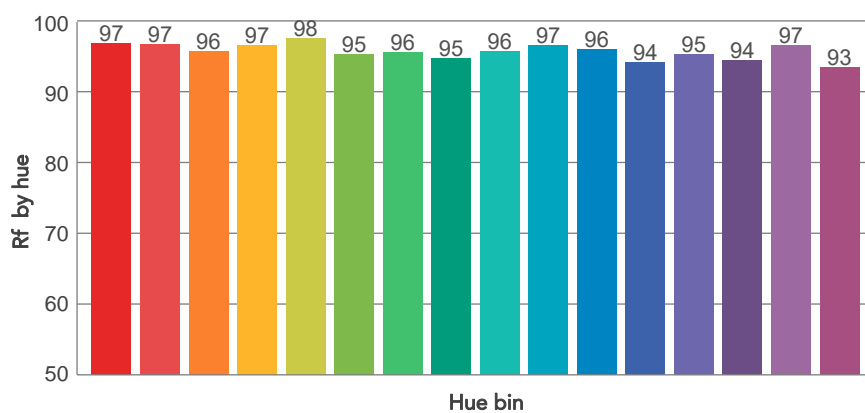
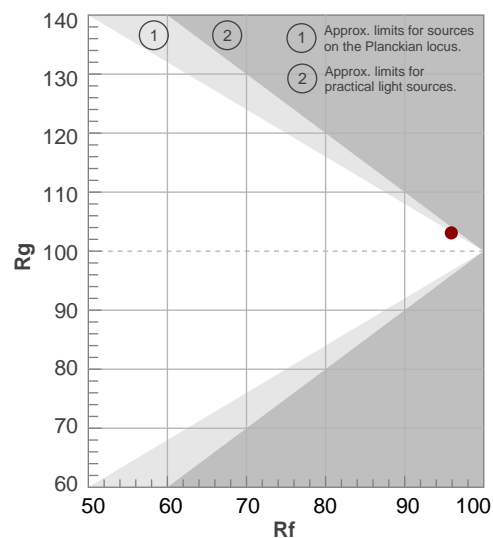
Rf 95,9

Fidelity index R_f

Rg 103,1

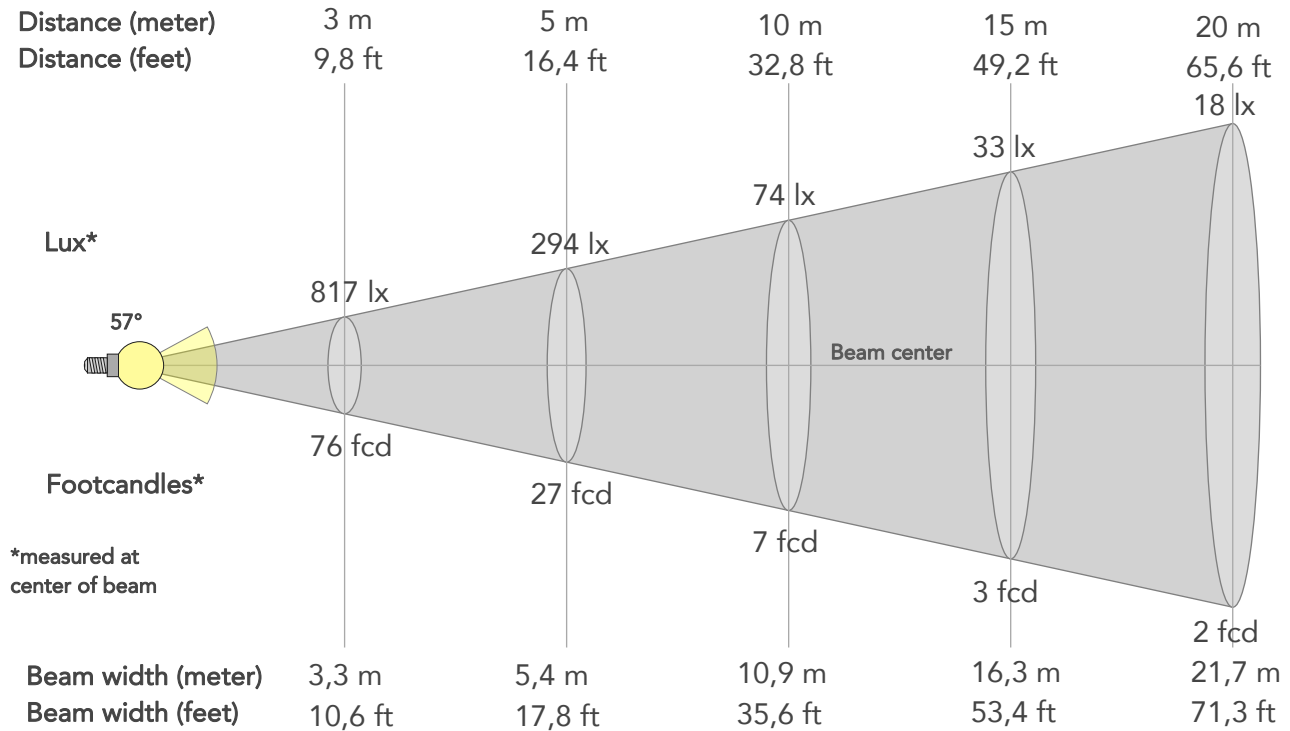
Gammut index

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



BEAM DETAILS

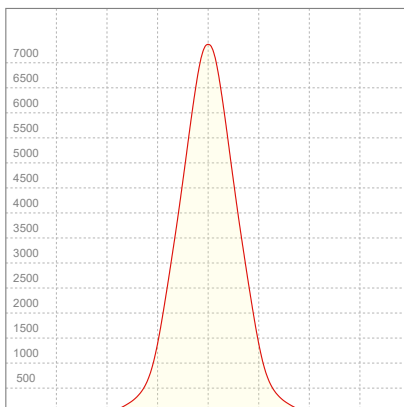
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57°	105°	143,2°	93,2%	80,8%



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	7350lx	1838lx	817lx	459lx	294lx	131lx	74lx	33lx	18lx	12lx	8lx	5lx	3lx
Footcand.	683fcd	171fcd	76fcd	43fcd	27fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,3m	5,4m	8,1m	10,9m	16,3m	21,7m	27,2m	32,6m	43,4m	54,3m
Beam wid.	3,6ft	7,2ft	10,6ft	14,2ft	17,8ft	26,7ft	35,6ft	53,4ft	71,3ft	89,1ft	106,9ft	142,5ft	178,1ft

LINEAR DISTRIBUTION DIAGRAM

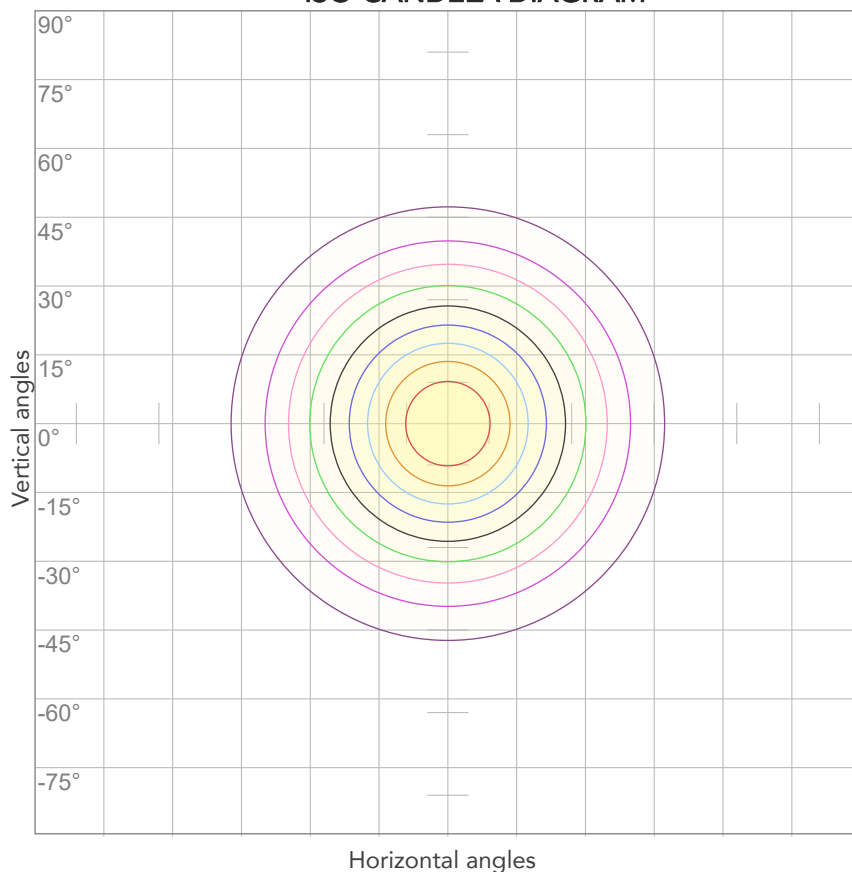


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,965A	209,4W	0,96	39lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



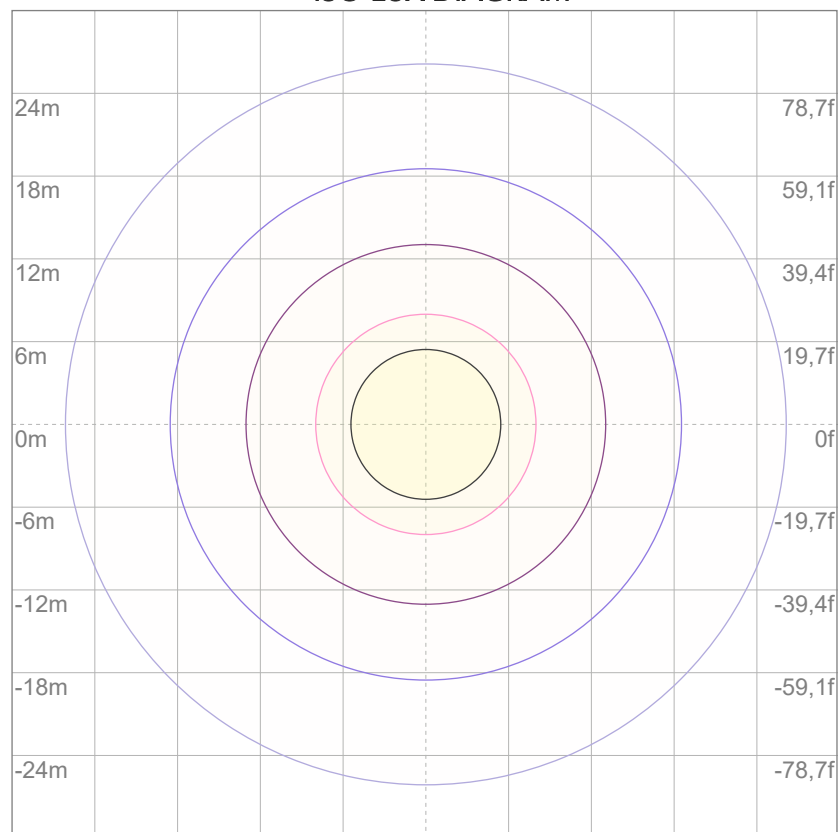
10%	735 cd
20%	1470 cd
30%	2205 cd
40%	2940 cd
50%	3675 cd
60%	4410 cd
70%	5145 cd
80%	5880 cd

Conditions:

Number of c-planes: 2

Candela at center: 7350 cd

ISO LUX DIAGRAM



3%	2,21 lx
5%	3,68 lx
10%	7,35 lx
30%	22,1 lx
50%	36,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 73,5 lx

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



Total lumen output:

9432 lm

Peak candela output:

15989 cd

Light quality:

CRI: 95,6

Color temperature:

2508 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

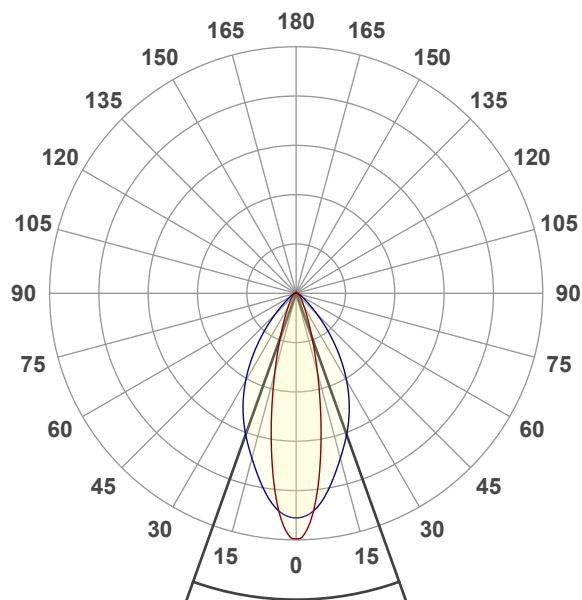
Warm White

Operator:

Salvatore Giglio

Date and time:

27/02/2024 17:21:49

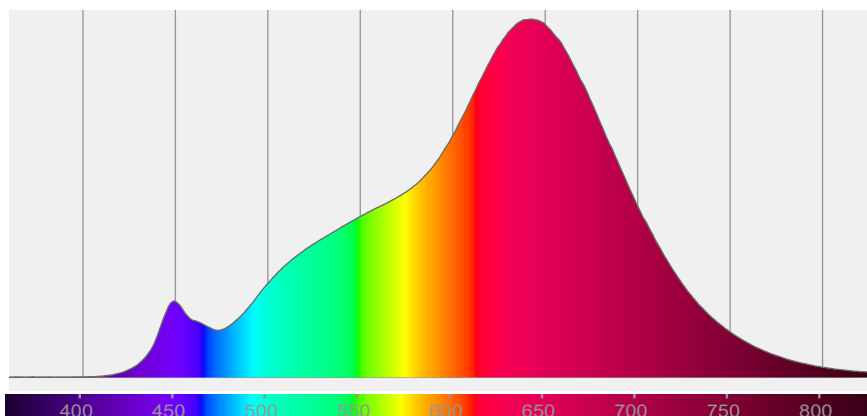


Beam angle 50%: 39,3°

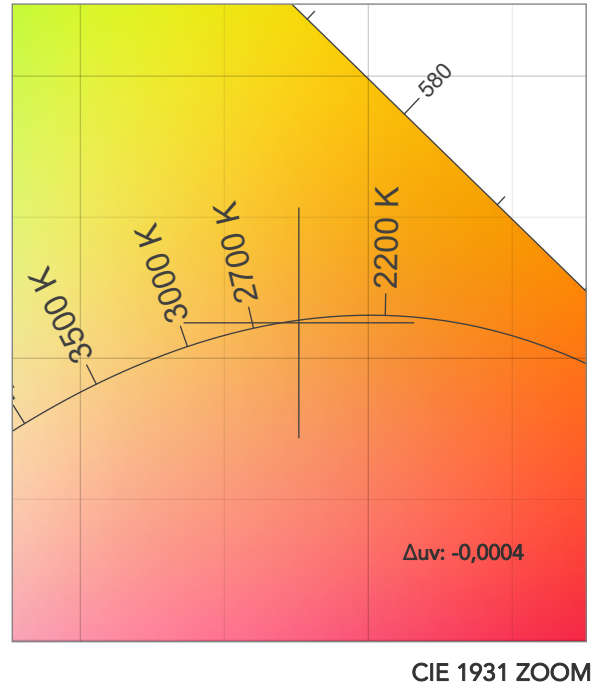
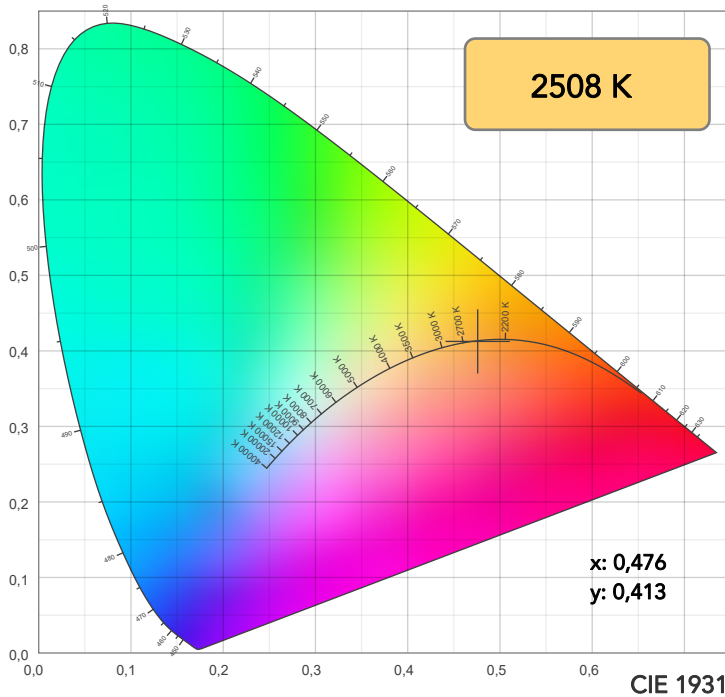
Field angle 10%: 73,2°

Cut off angle 2.5%: 108,8°

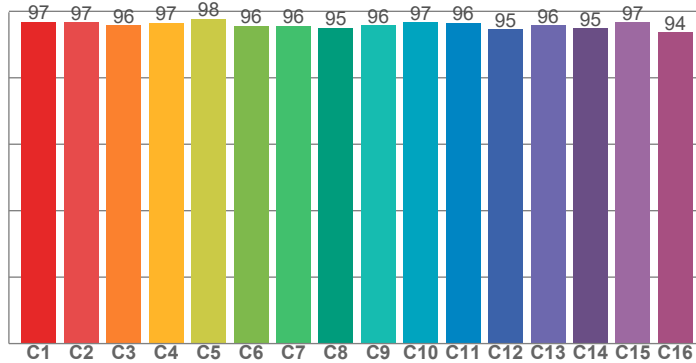
Spectra



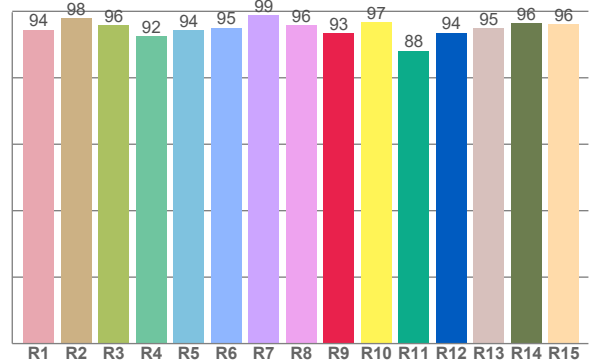
COLOR DETAILS



TM30: 96,1



CRI: 95,6 (R1-R8)



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

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

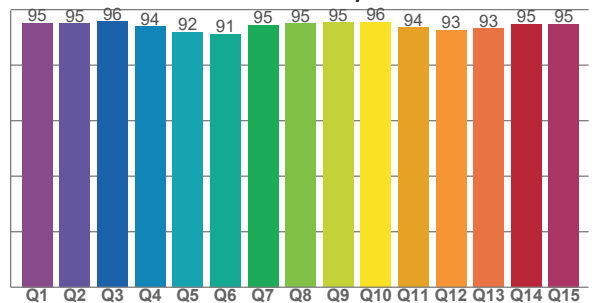
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,2	95,0	95,7	93,8	92,0	91,2	94,5	95,0	95,4	95,6	93,6	92,6	93,1	94,7	94,8

CQS: 93,8



COLOR PARAMETERS

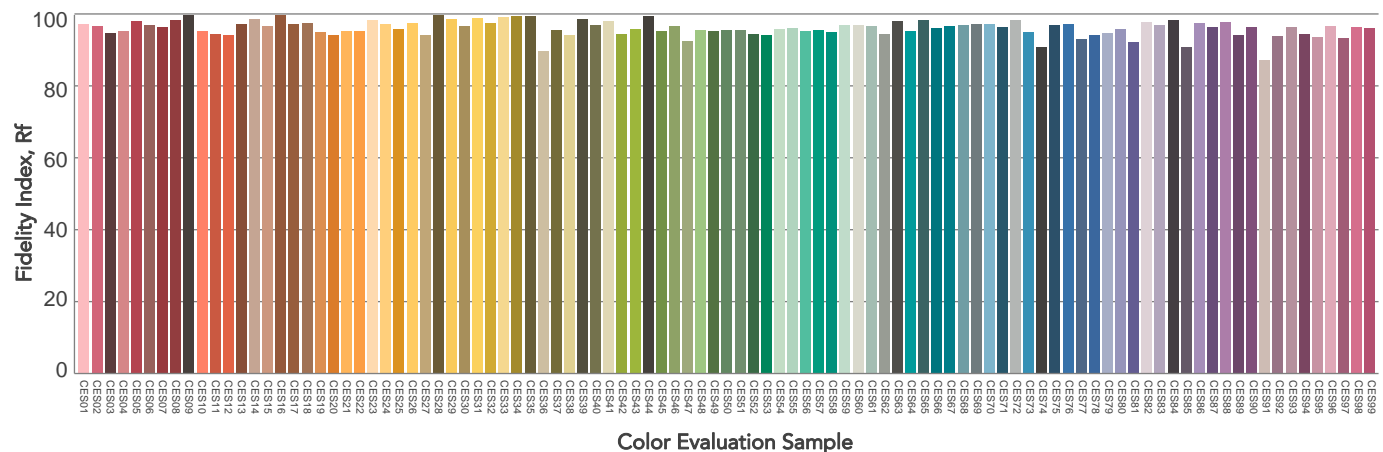
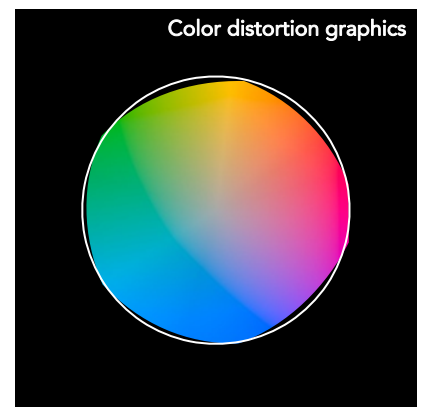
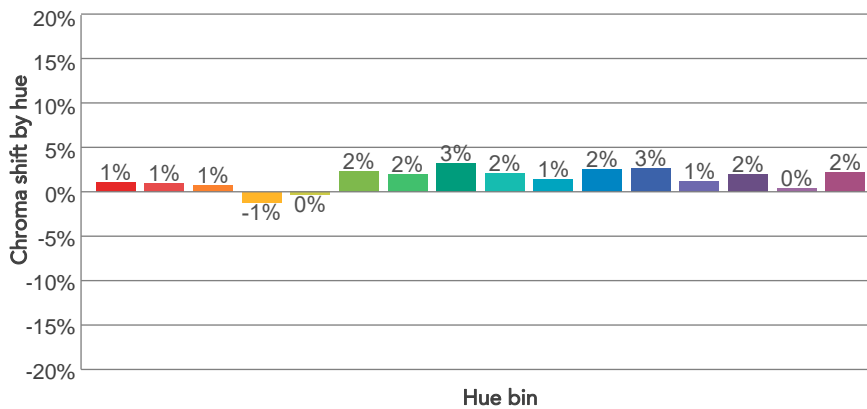
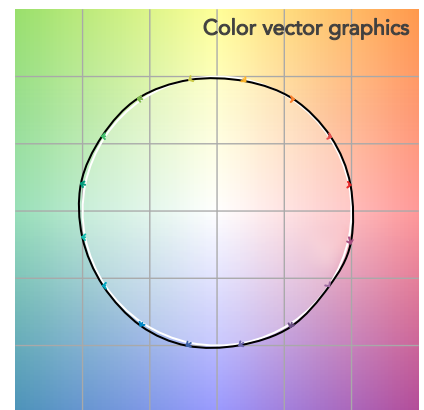
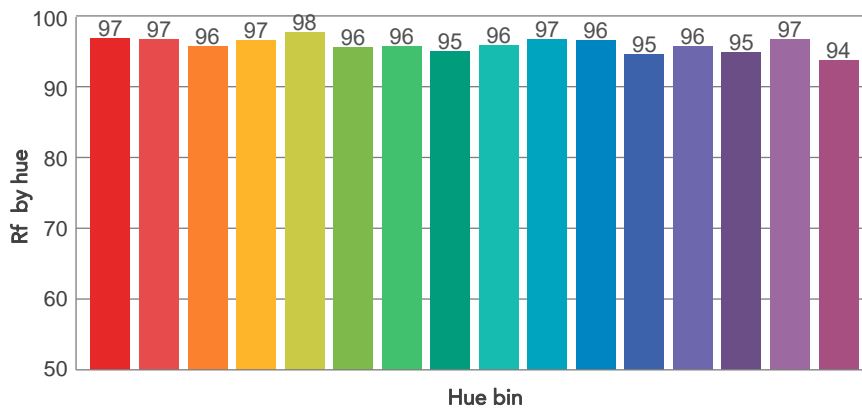
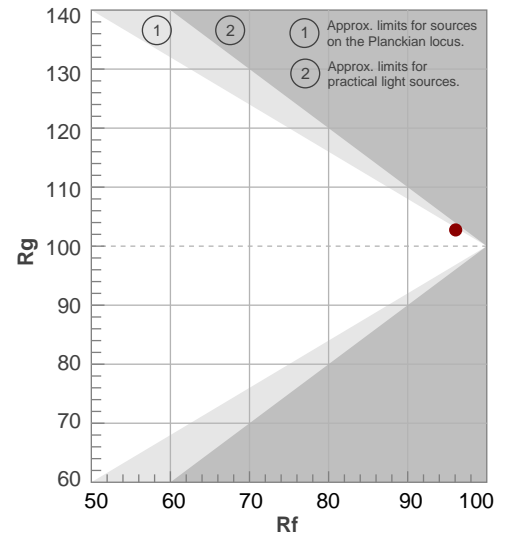
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2508 K	95,6	93,4	96,1	102,8	93,8	98	0,476	0,413	-0,0004

TM30 DETAILS

Rf 96,1
Fidelity index Rf

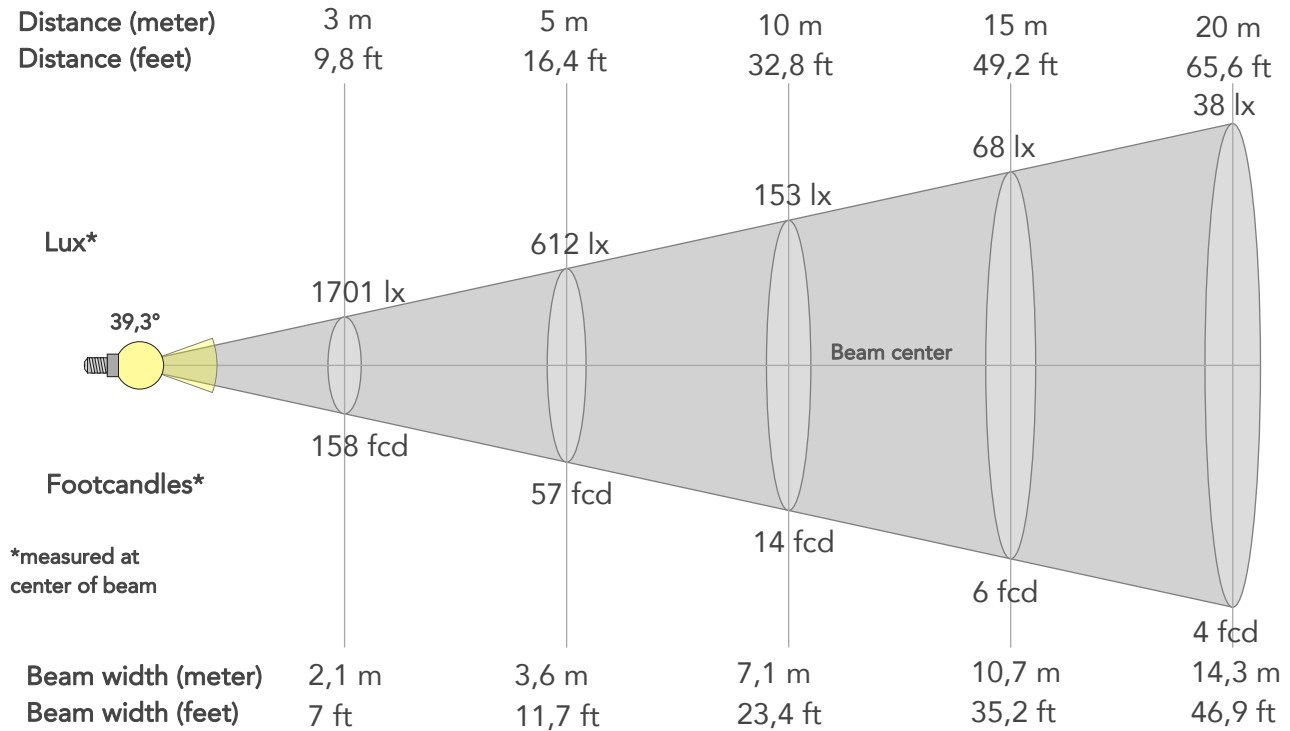
Rg 102,8
Gammut index

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



BEAM DETAILS

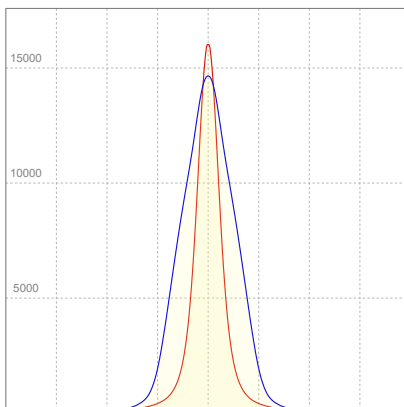
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,3°	73,2°	108,8°	94,9%	86,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	15312lx	3828lx	1701lx	957lx	612lx	272lx	153lx	68lx	38lx	24lx	17lx	10lx	6lx
Footcand.	1423fcd	356fcd	158fcd	89fcd	57fcd	25fcd	14fcd	6fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,7m	1,4m	2,1m	2,9m	3,6m	5,4m	7,1m	10,7m	14,3m	17,9m	21,4m	28,6m	35,7m
Beam wid.	2,4ft	4,7ft	7ft	9,4ft	11,7ft	17,6ft	23,4ft	35,2ft	46,9ft	58,6ft	70,3ft	93,7ft	117,2ft

LINEAR DISTRIBUTION DIAGRAM

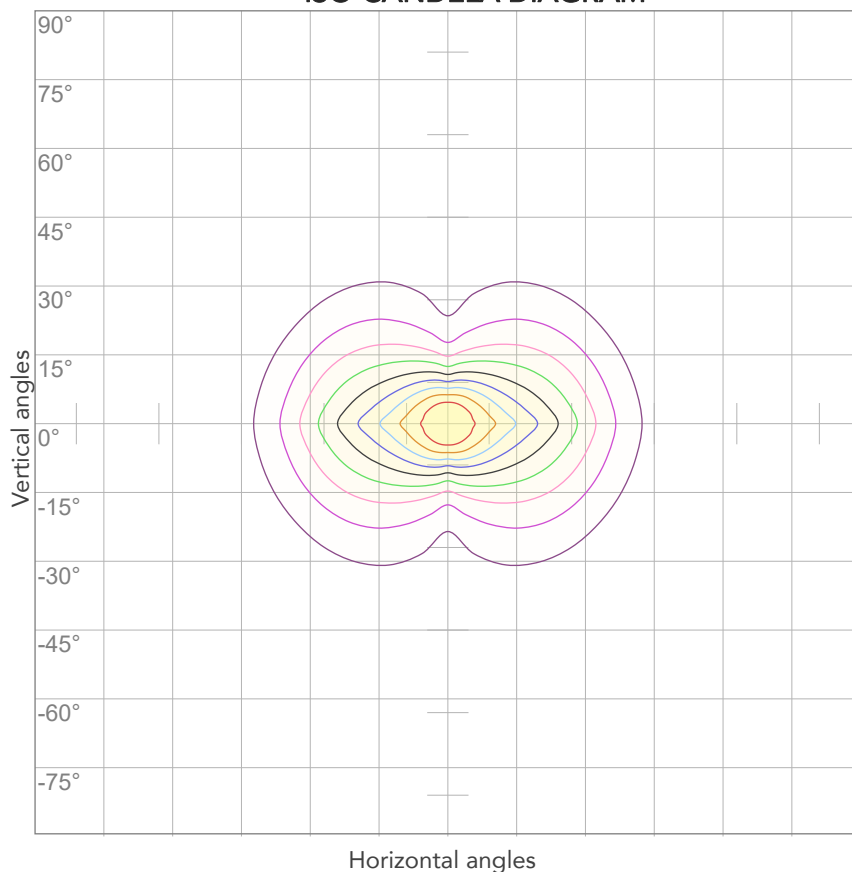


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
223V	0,994A	212,5W	0,96	44lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



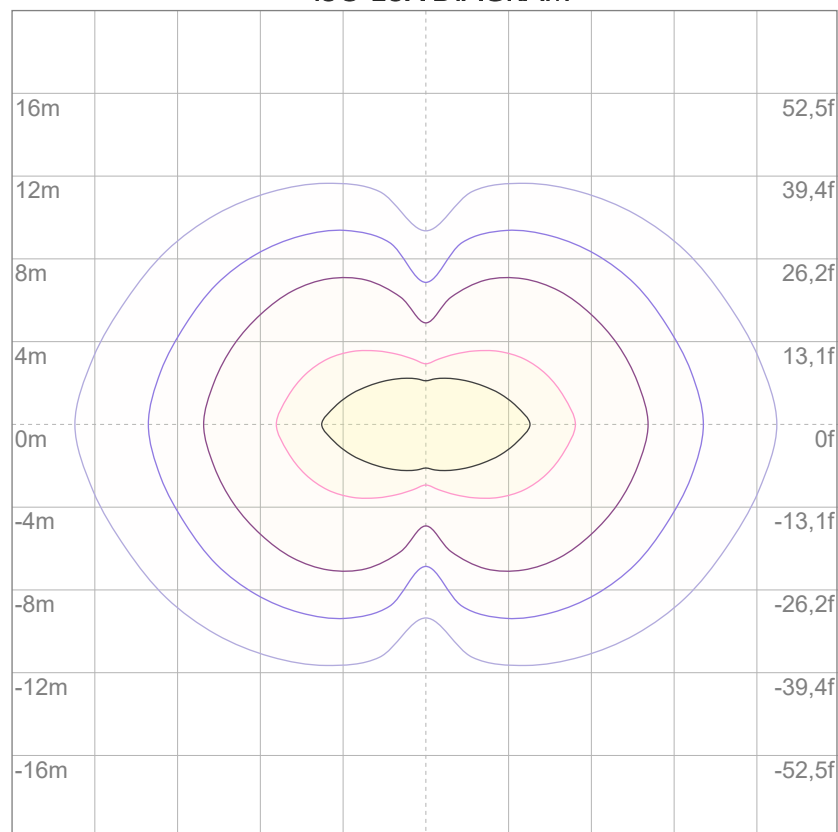
10%	1531 cd
20%	3062 cd
30%	4594 cd
40%	6125 cd
50%	7656 cd
60%	9187 cd
70%	10719 cd
80%	12250 cd

Conditions:

Number of c-planes: 4

Candela at center: 15312 cd

ISO LUX DIAGRAM



3%	4,59 lx
5%	7,66 lx
10%	15,3 lx
30%	45,9 lx
50%	76,6 lx

Conditions:

Number of c-planes: 4

Lux at center: 153 lx

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



Total lumen output:

9174 lm

Peak candela output:

12865 cd

Light quality:

CRI: 95,5

Color temperature:

2494 K

PRODUCT NAME:

ARCSPOTXLW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

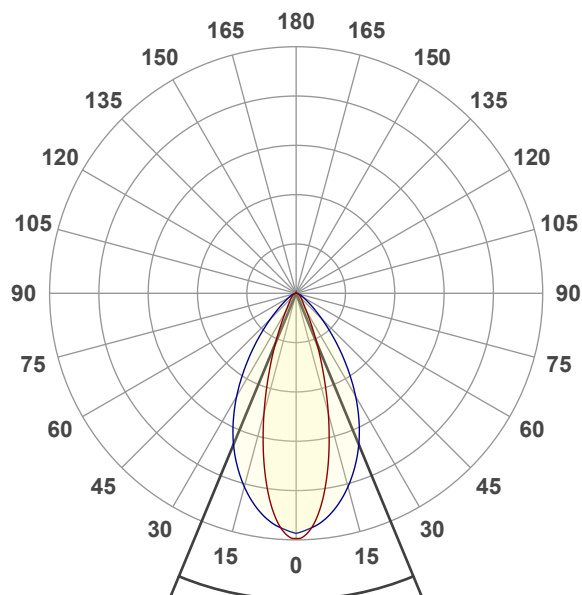
Warm White

Operator:

Salvatore Giglio

Date and time:

27/02/2024 18:06:06

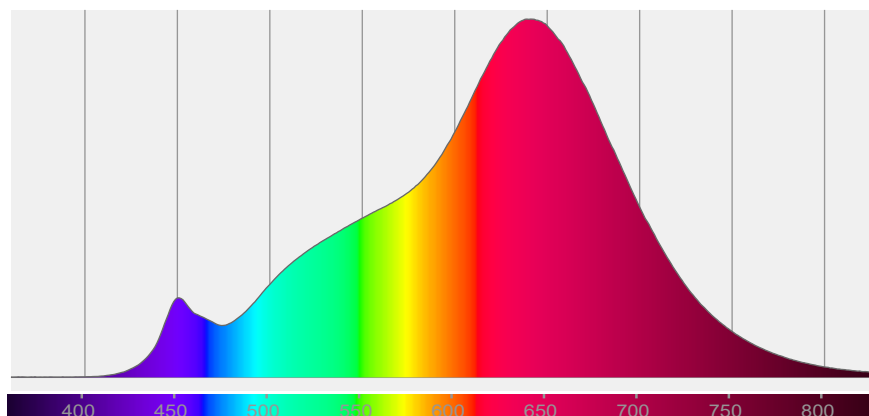


Beam angle 50%: 45°

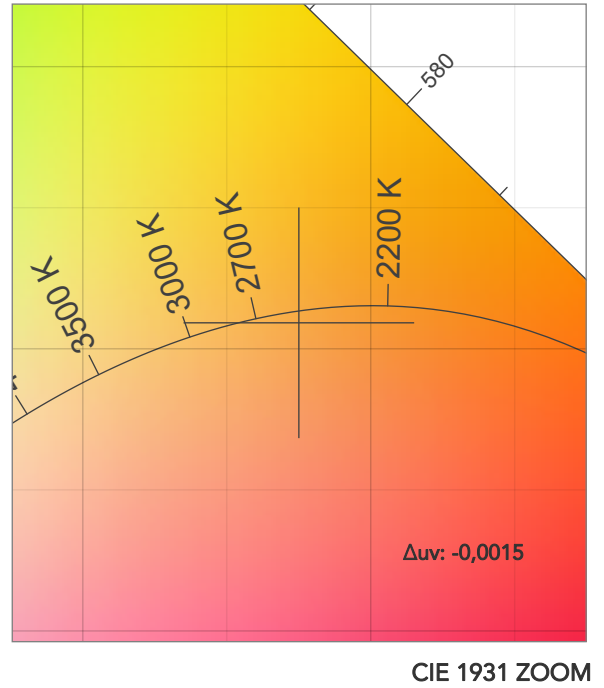
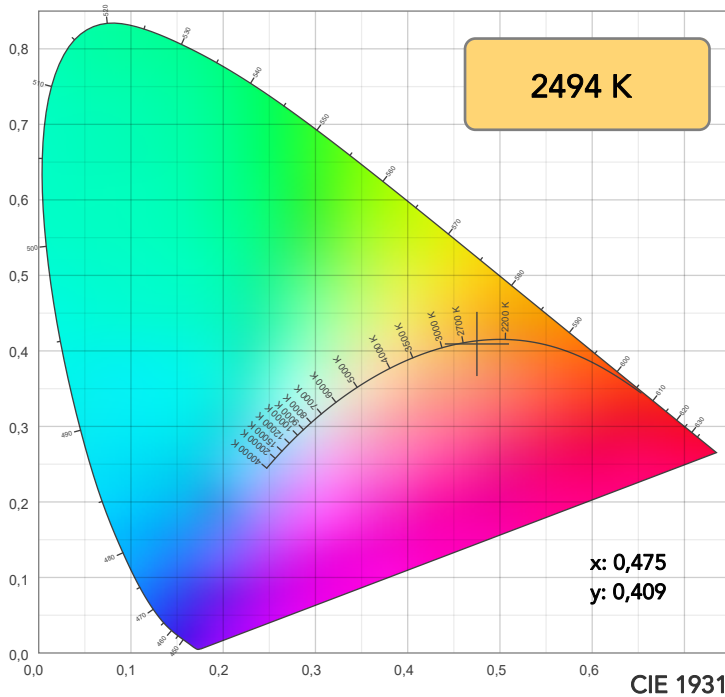
Field angle 10%: 77,7°

Cut off angle 2.5%: 113,2°

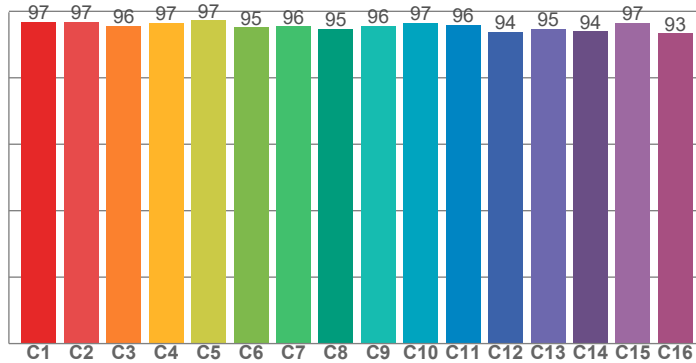
Spectra



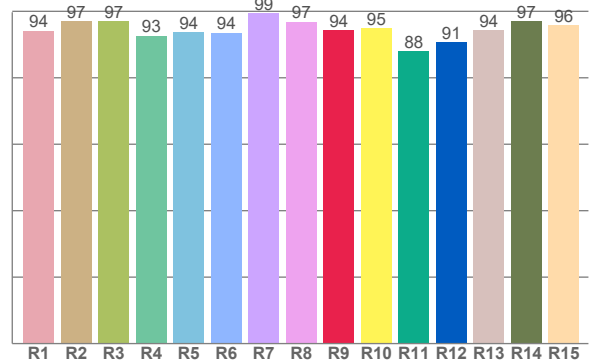
COLOR DETAILS



TM30: 95,8



CRI: 95,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,1	97,0	97,0	92,6	93,6	93,5	99,4	96,9	94,4	95,0	88,0	90,8	94,2	97,0	95,9

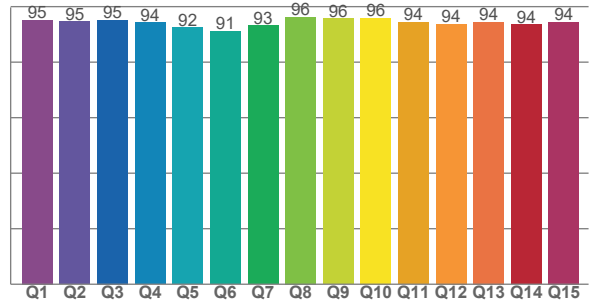
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 93,9



COLOR PARAMETERS

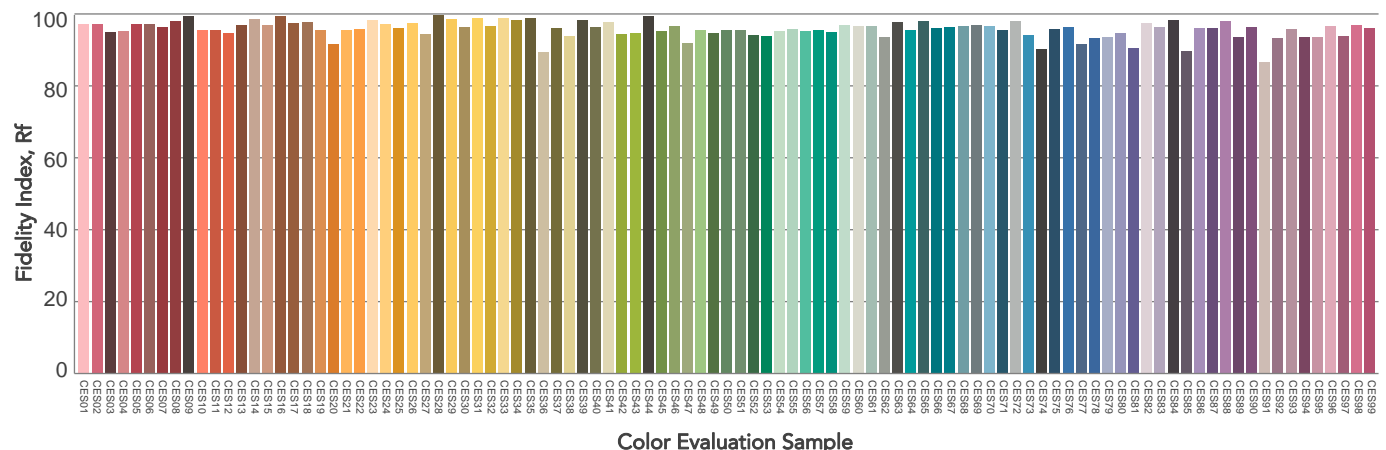
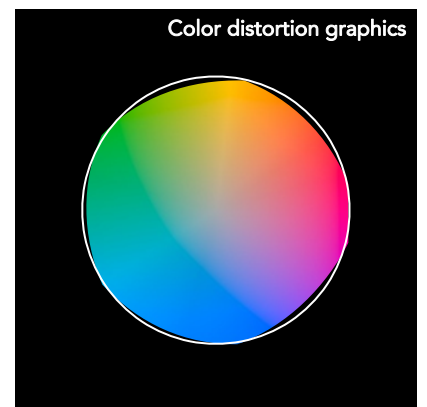
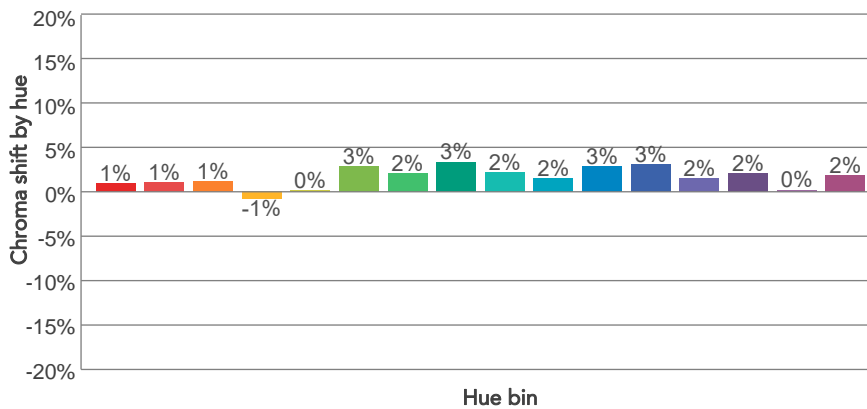
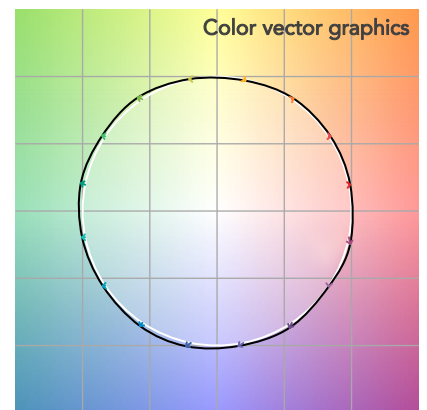
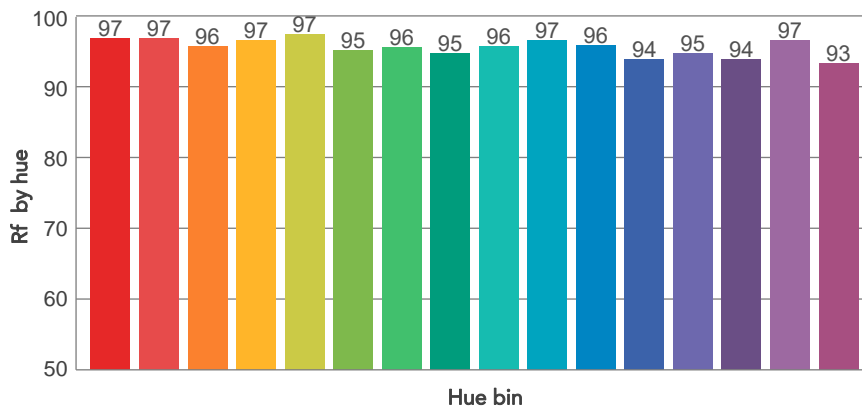
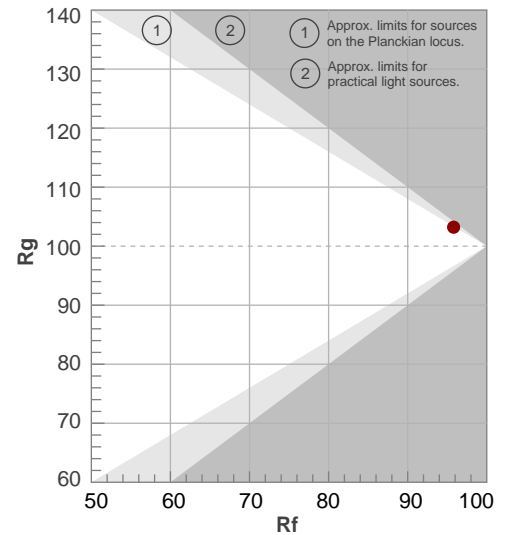
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2494 K	95,5	94,4	95,8	103,2	93,9	98	0,475	0,409	-0,0015

TM30 DETAILS

Rf 95,8
Fidelity index Rf

Rg 103,2
Gammut index

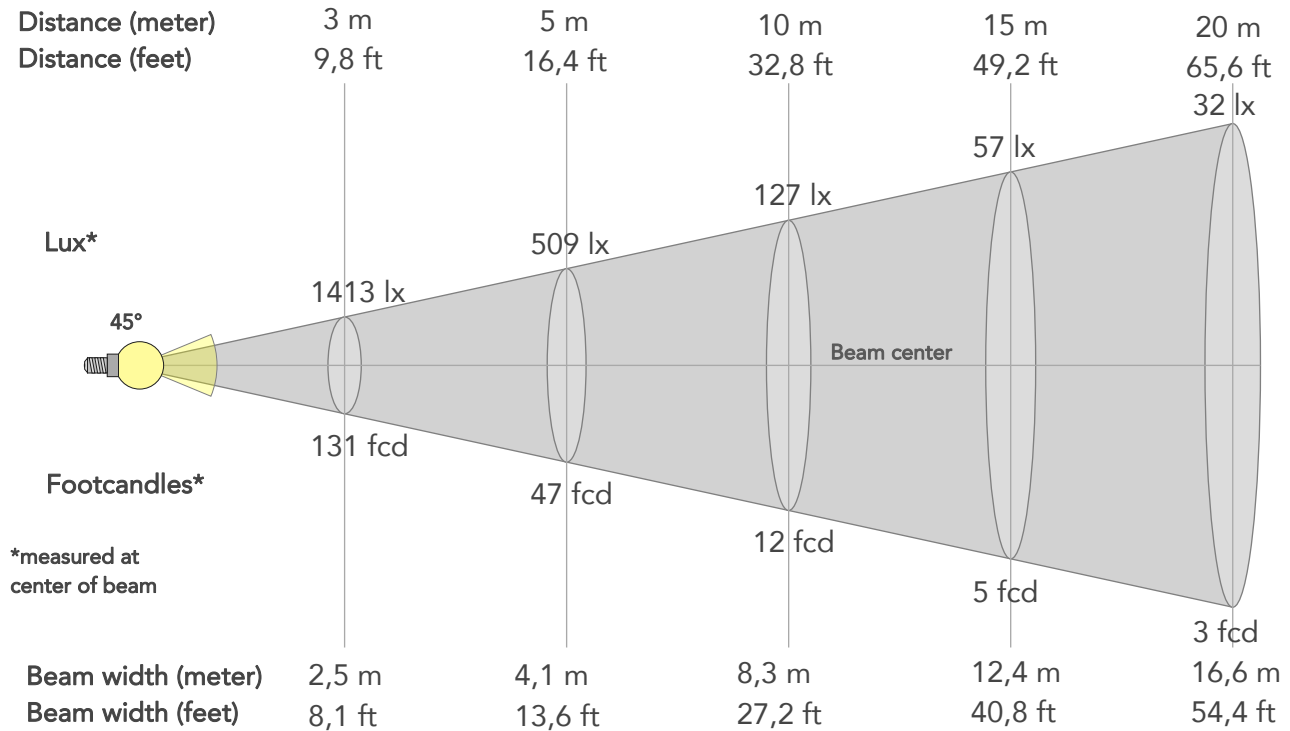
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	0%
2	97	1%	-1%
3	96	1%	-1%
4	97	-1%	-2%
5	97	0%	1%
6	95	3%	2%
7	96	2%	1%
8	95	3%	-1%
9	96	2%	0%
10	97	2%	-1%
11	96	3%	0%
12	94	3%	-3%
13	95	2%	-4%
14	94	2%	-3%
15	97	0%	0%
16	93	2%	-5%



BEAM DETAILS



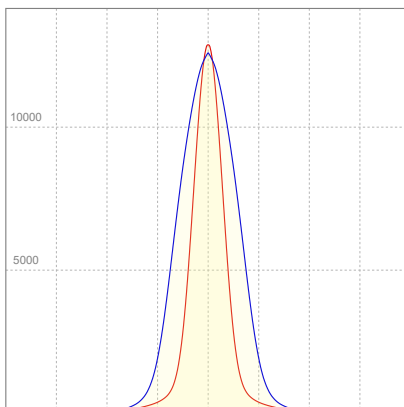
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45°	77,7°	113,2°	95,1%	86,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	12721lx	3180lx	1413lx	795lx	509lx	226lx	127lx	57lx	32lx	20lx	14lx	8lx	5lx
Footcand.	1182fcd	295fcd	131fcd	74fcd	47fcd	21fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,1m	6,2m	8,3m	12,4m	16,6m	20,7m	24,9m	33,1m	41,4m
Beam wid.	2,7ft	5,5ft	8,1ft	10,9ft	13,6ft	20,4ft	27,2ft	40,8ft	54,4ft	68ft	81,5ft	108,7ft	135,9ft

LINEAR DISTRIBUTION DIAGRAM

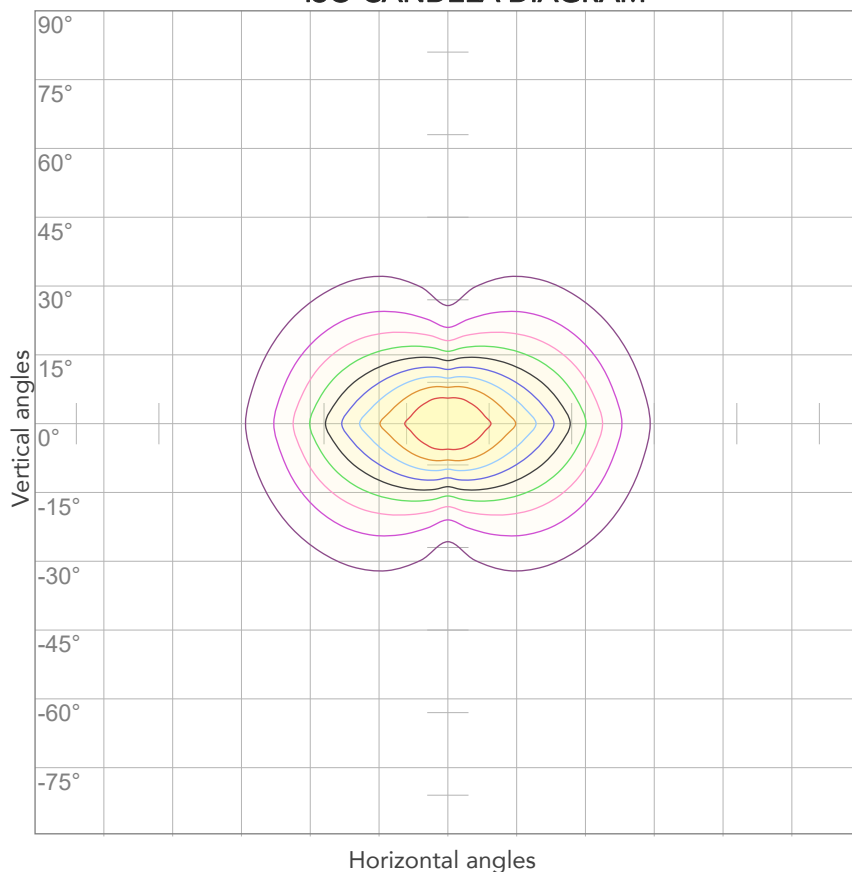


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,970A	208,2W	0,96	44lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



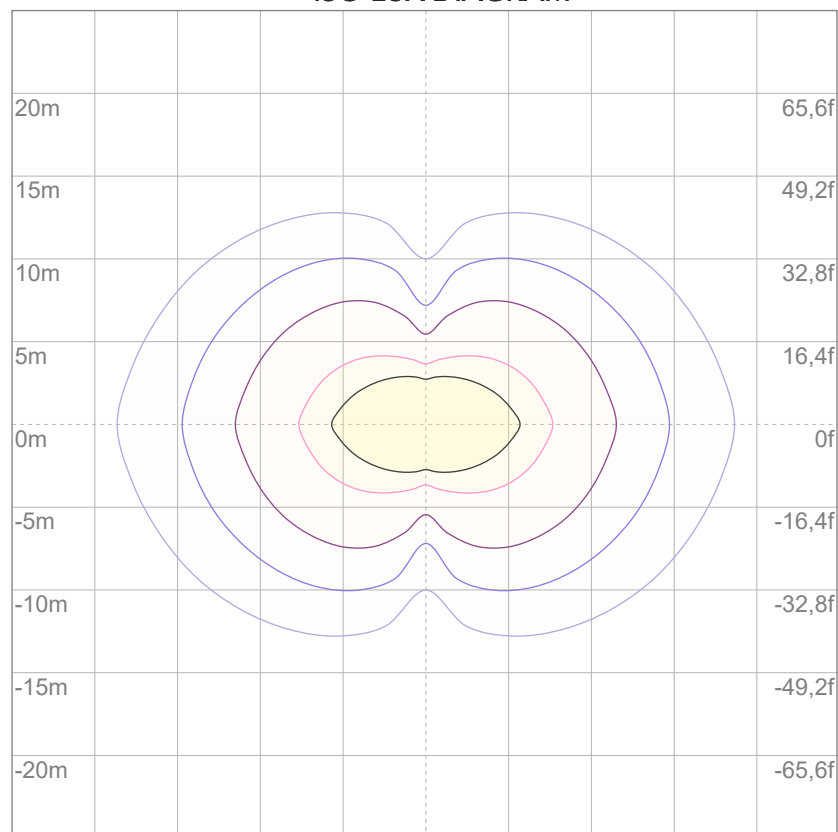
10%	1272 cd
20%	2544 cd
30%	3816 cd
40%	5088 cd
50%	6360 cd
60%	7633 cd
70%	8905 cd
80%	10177 cd

Conditions:

Number of c-planes: 4

Candela at center: 12721 cd

ISO LUX DIAGRAM



3%	3,82 lx
5%	6,36 lx
10%	12,7 lx
30%	38,2 lx
50%	63,6 lx

Conditions:

Number of c-planes: 4

Lux at center: 127 lx

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



Total lumen output:

14060 lm

Peak candela output:

285683 cd

Light quality:

CRI: 94,3

Color temperature:

6934 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

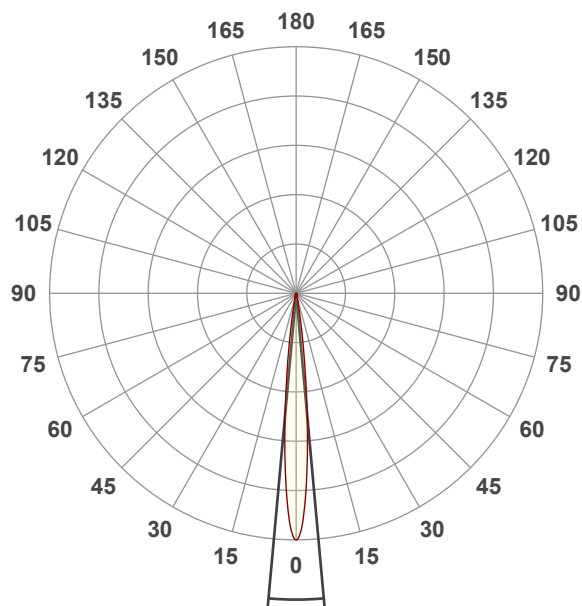
Cold White

Operator:

Salvatore Giglio

Date and time:

23/04/2024 12:41:56

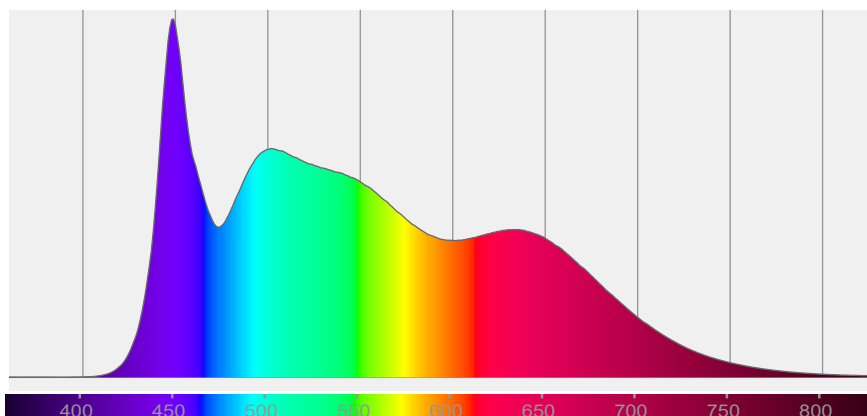


Beam angle 50%: 10,4°

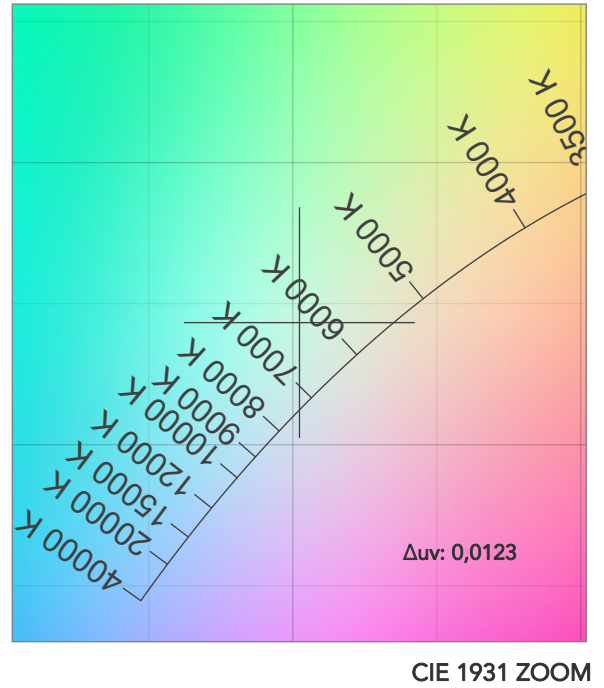
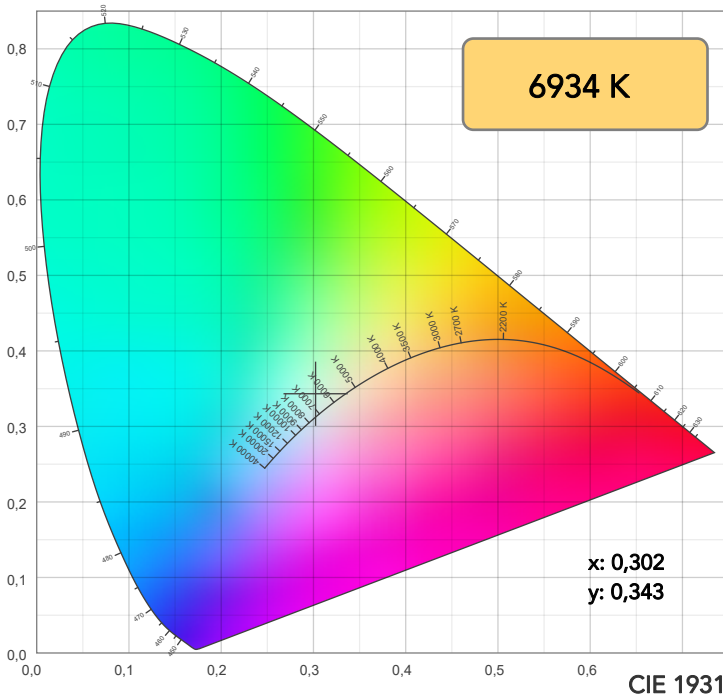
Field angle 10%: 18,9°

Cut off angle 2.5%: 26°

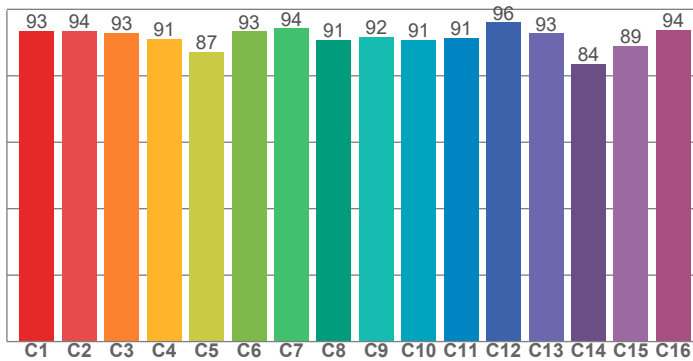
Spectra



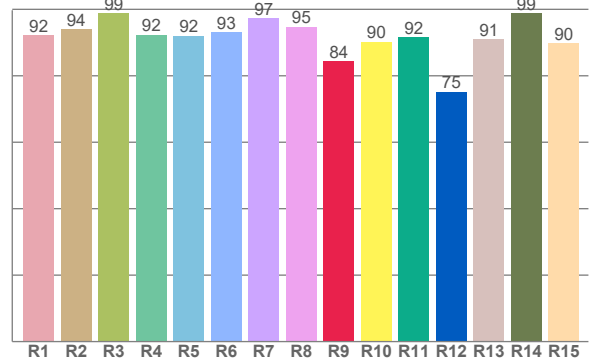
COLOR DETAILS



TM30: 91,6



CRI: 94,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92,1	94,0	98,8	92,4	92,0	93,2	97,4	94,7	84,4	90,3	91,6	75,2	91,1	98,7	89,7

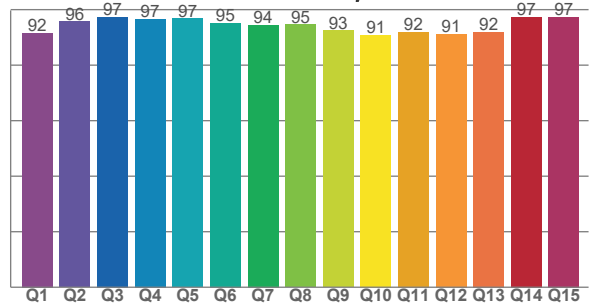
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,5	93,6	92,9	91,1	87,2	93,3	94,2	90,9	91,7	90,8	91,5	96,1	92,8	83,6	88,9	93,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91,5	95,8	97,4	96,6	96,8	95,1	94,4	94,6	92,5	90,8	91,9	91,2	92,0	97,4	97,3

CQS: 93,9



COLOR PARAMETERS

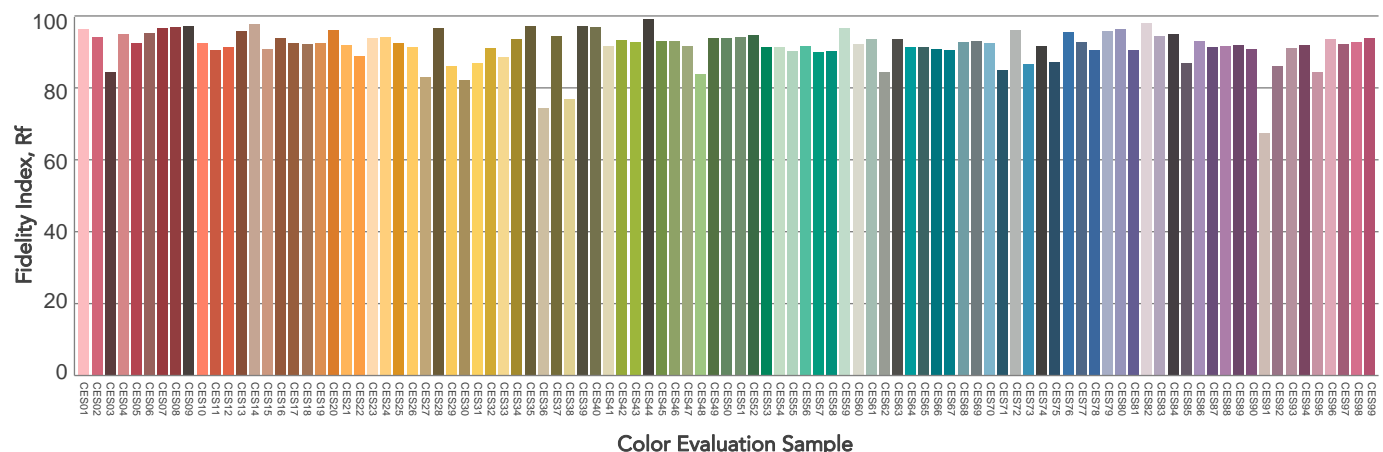
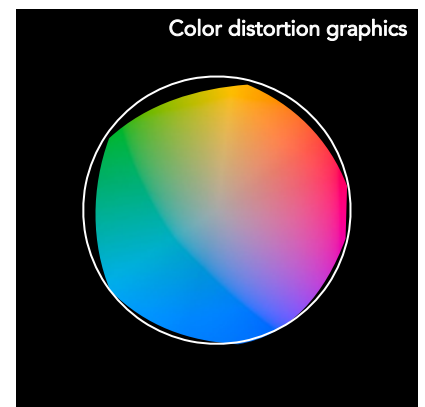
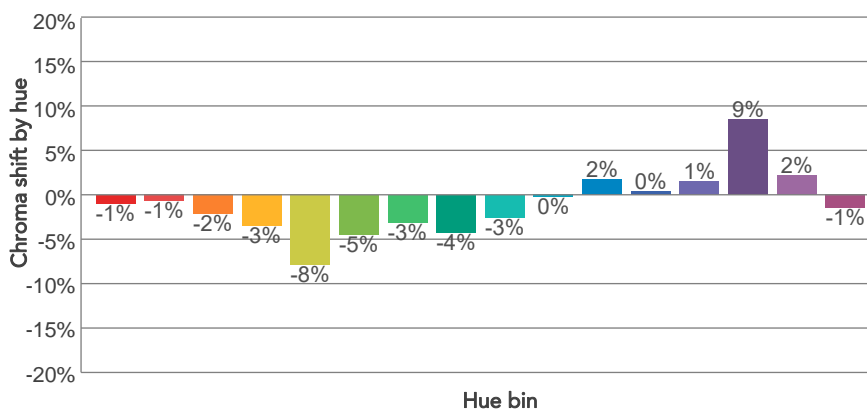
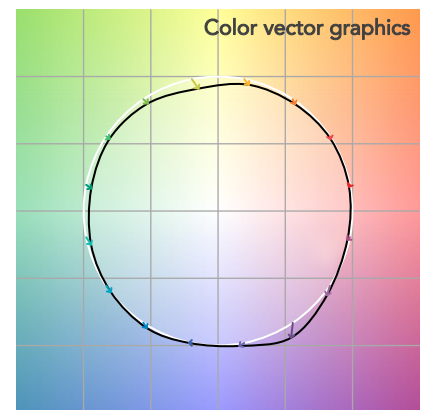
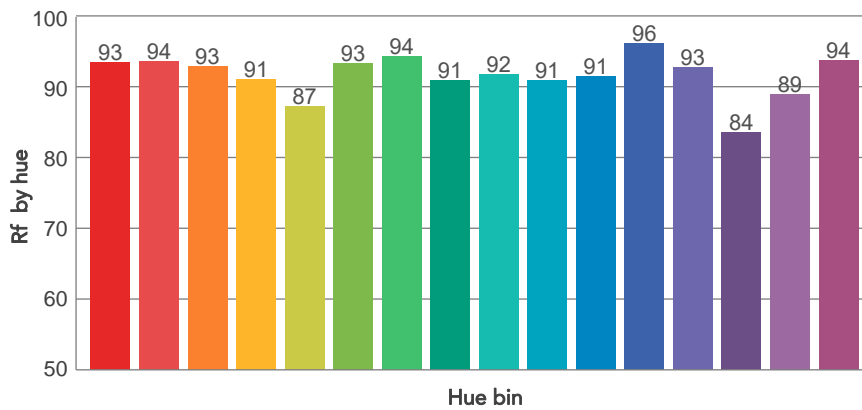
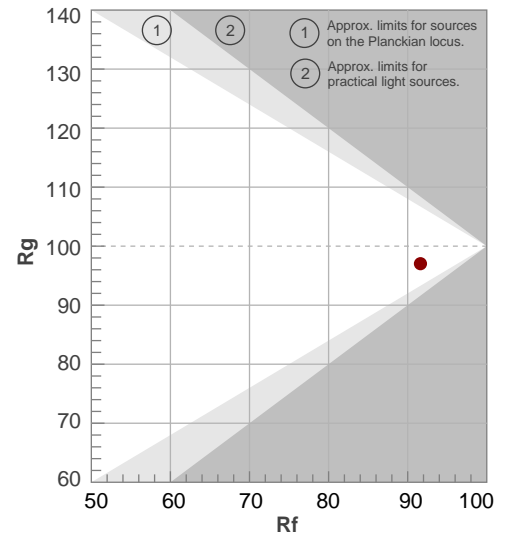
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6934 K	94,3	84,4	91,6	97,0	93,9	98	0,302	0,343	0,0123

TM30 DETAILS

Rf 91,6
Fidelity index Rf

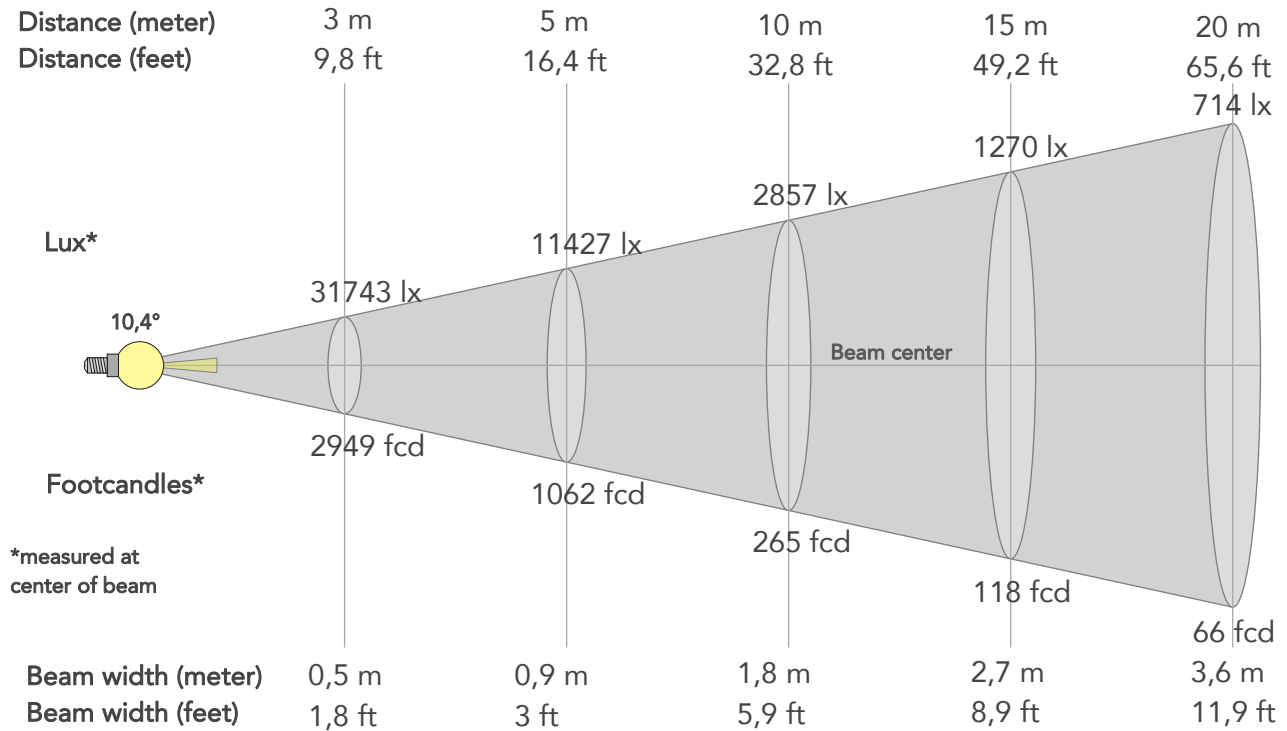
Rg 97,0
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-1%	-1%
2	94	-1%	-2%
3	93	-2%	-3%
4	91	-3%	-4%
5	87	-8%	-3%
6	93	-5%	-1%
7	94	-3%	0%
8	91	-4%	2%
9	92	-3%	6%
10	91	0%	6%
11	91	2%	4%
12	96	0%	-2%
13	93	1%	-4%
14	84	9%	-7%
15	89	2%	-7%
16	94	-1%	-2%



BEAM DETAILS

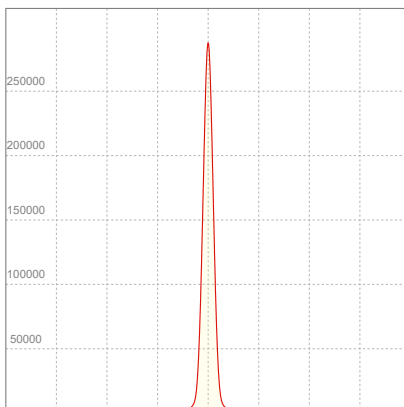
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,4°	18,9°	26°	96,9%	93,6%



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	285683lx	71421lx	31743lx	17855lx	11427lx	5079lx	2857lx	1270lx	714lx	457lx	317lx	179lx	114lx
Footcand.	26541fcd	6635fcd	2949fcd	1659fcd	1062fcd	472fcd	265fcd	118fcd	66fcd	42fcd	29fcd	17fcd	11fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,4m	1,8m	2,7m	3,6m	4,5m	5,4m	7,2m	9,1m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	5,9ft	8,9ft	11,9ft	14,9ft	17,8ft	23,8ft	29,7ft

LINEAR DISTRIBUTION DIAGRAM

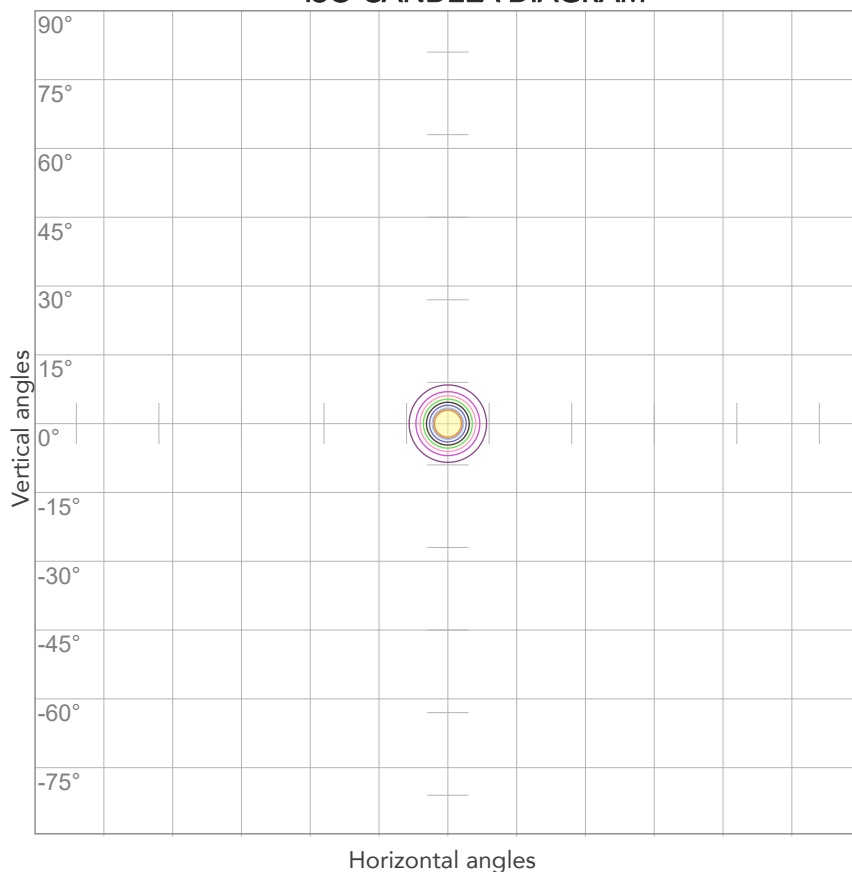


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,970A	208,3W	0,94	68lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



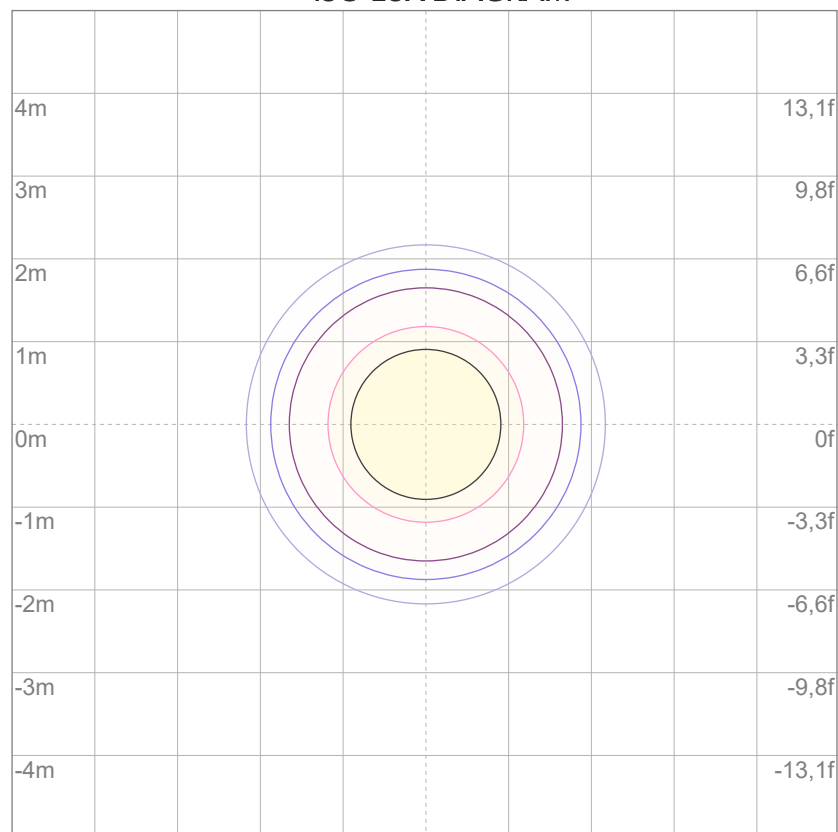
10%	28568 cd
20%	57137 cd
30%	85705 cd
40%	114273 cd
50%	142841 cd
60%	171410 cd
70%	199978 cd
80%	228546 cd

Conditions:

Number of c-planes: 2

Candela at center: 285683 cd

ISO LUX DIAGRAM



3%	85,7 lx
5%	143 lx
10%	286 lx
30%	857 lx
50%	1428 lx

Conditions:

Number of c-planes: 2

Lux at center: 2857 lx

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



Total lumen output:

12418 lm

Peak candela output:

49178 cd

Light quality:

CRI: 96,5

Color temperature:

6510 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

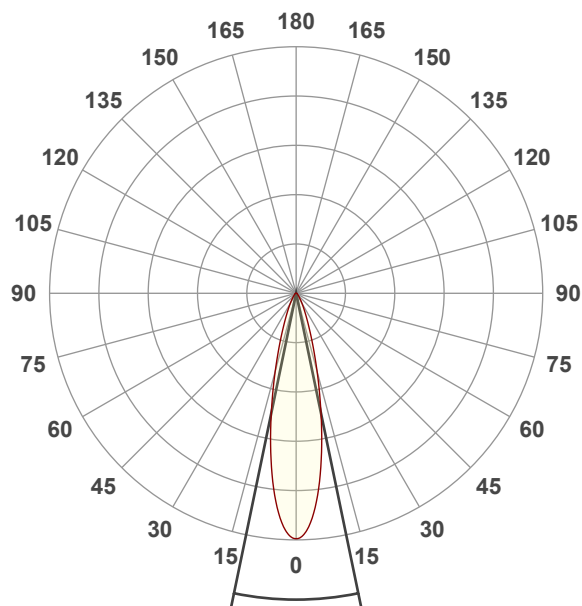
Cold White

Operator:

Salvatore Giglio

Date and time:

27/02/2024 14:55:26

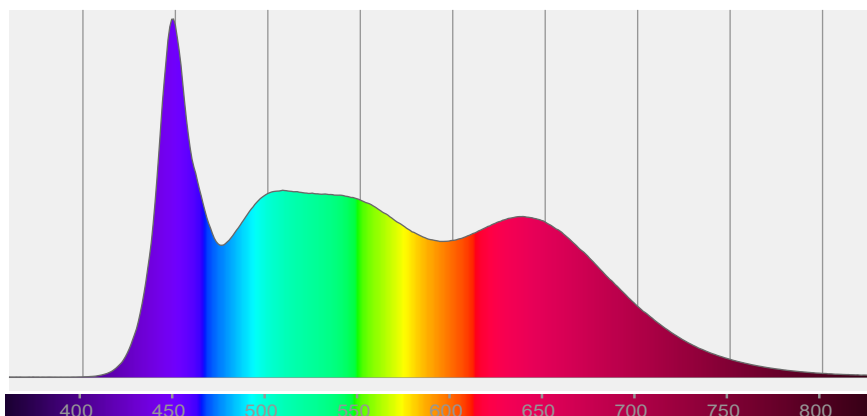


Beam angle 50%: 23,4°

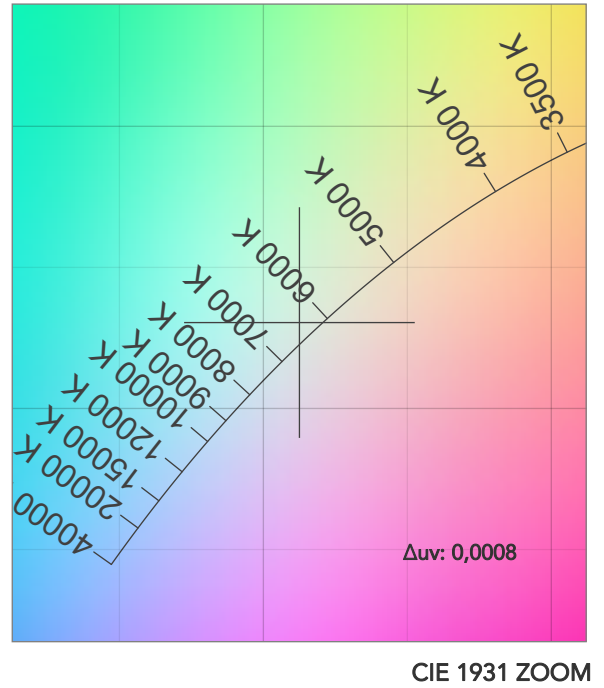
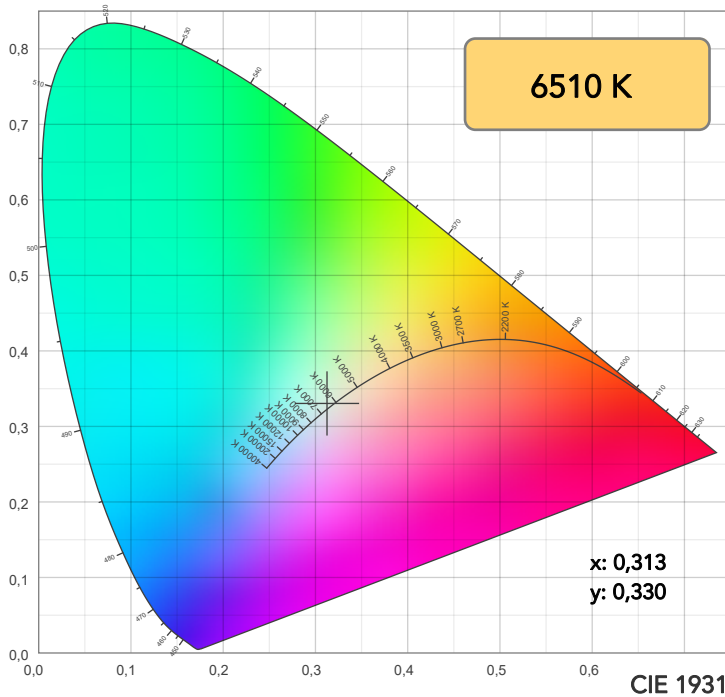
Field angle 10%: 47,4°

Cut off angle 2.5%: 72,7°

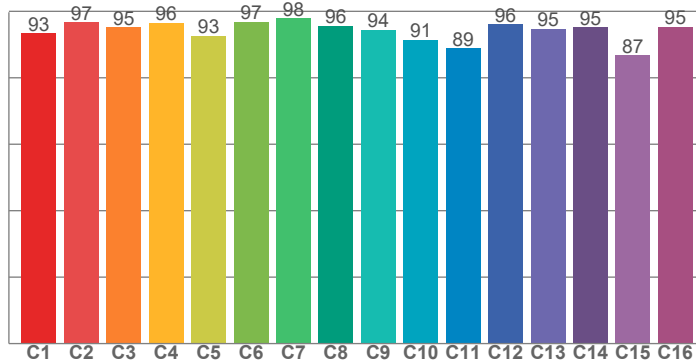
Spectra



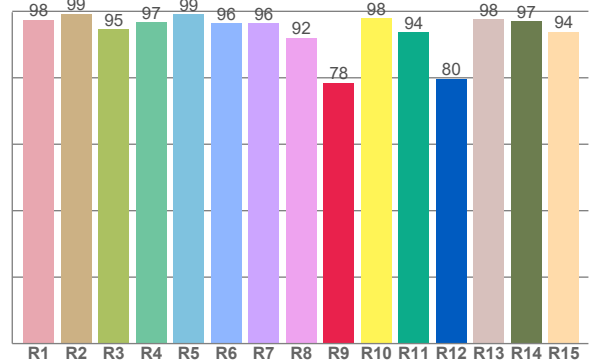
COLOR DETAILS



TM30: 94,0



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
97,5	99,2	94,6	96,6	99,0	96,3	96,4	92,0	78,5	97,9	93,7	79,7	97,7	97,0	93,9

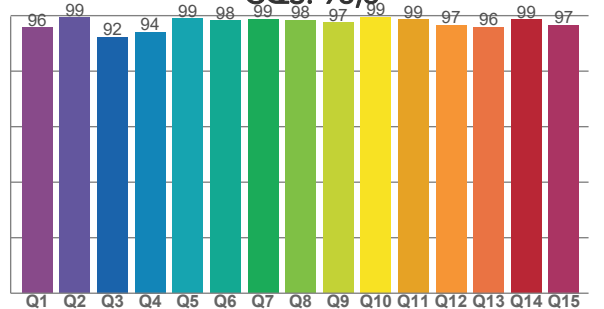
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

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
6510 K	96,5	78,5	94,0	101,8	96,6	98	0,313	0,330	0,0008

TM30 DETAILS

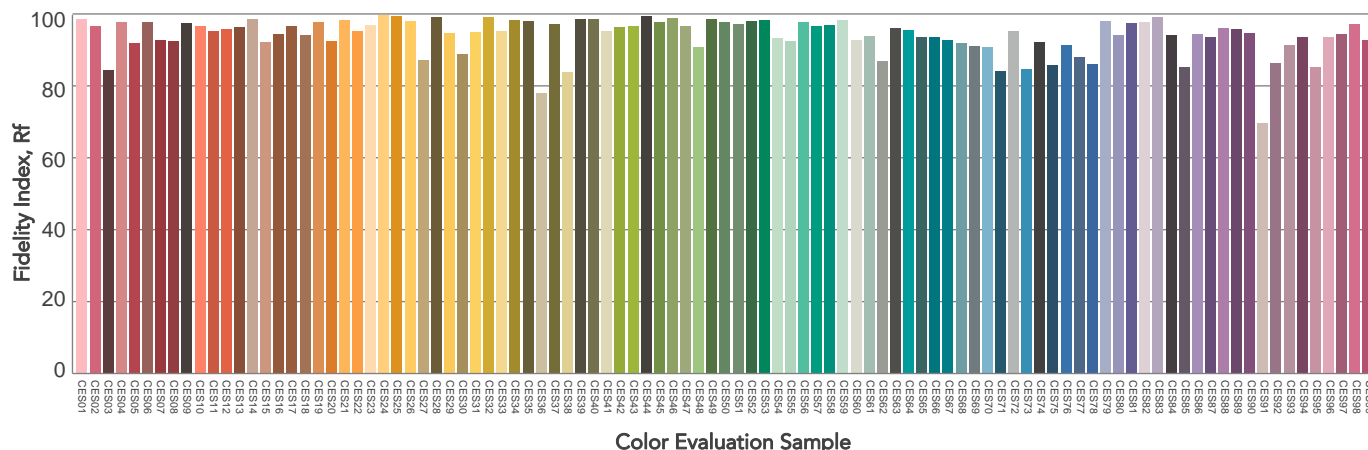
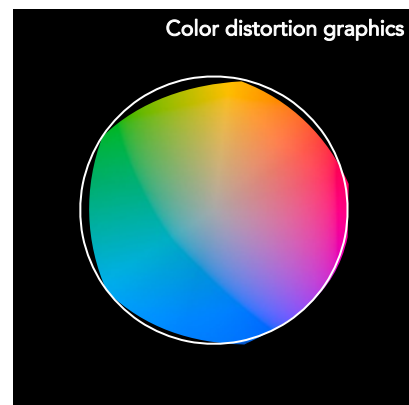
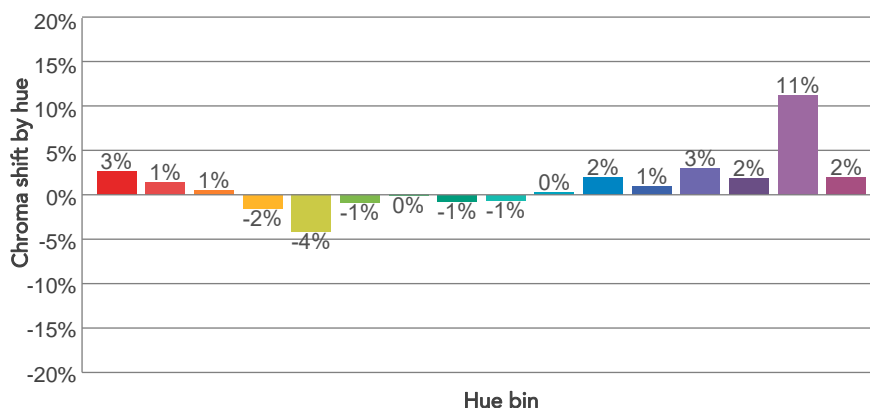
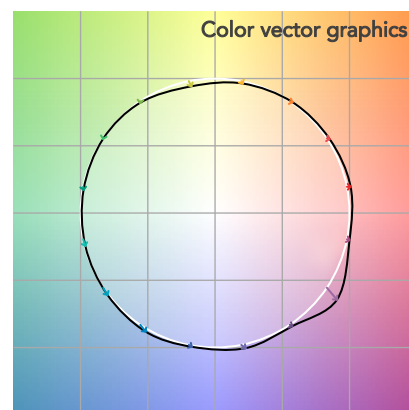
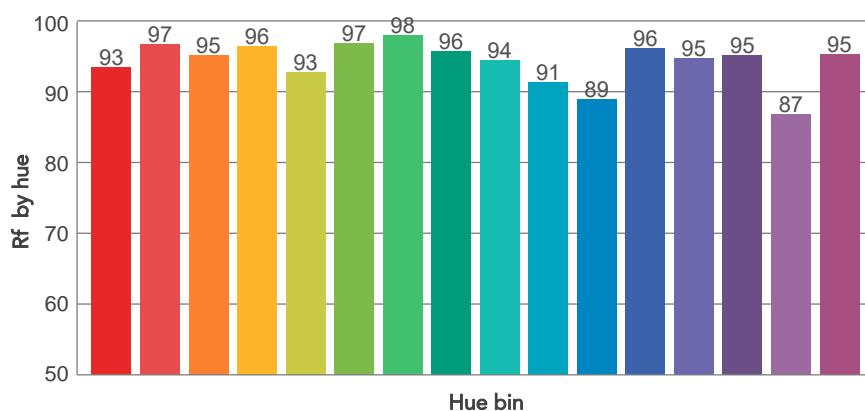
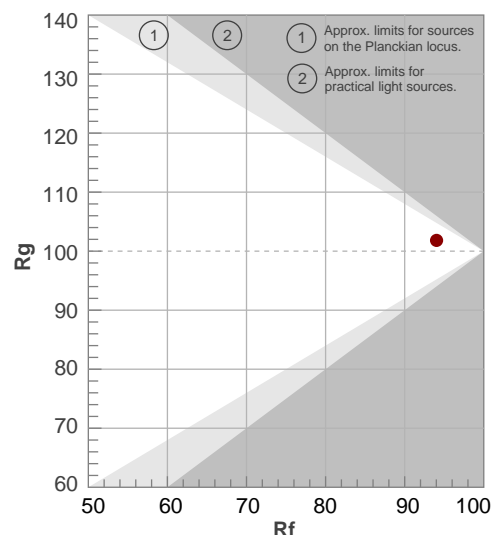
Rf 94,0

Fidelity index Rf

Rg 101,8

Gammut index

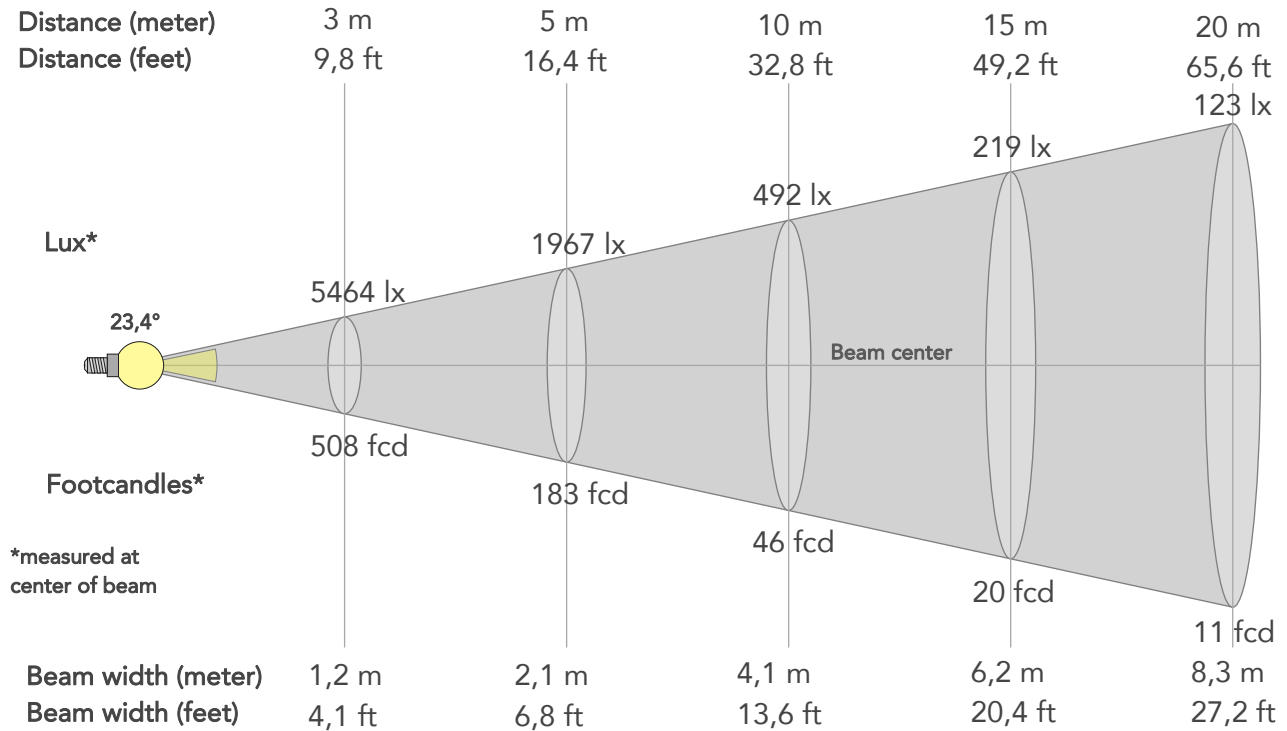
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	3%	0%
2	97	1%	-2%
3	95	1%	-2%
4	96	-2%	-1%
5	93	-4%	-1%
6	97	-1%	1%
7	98	0%	0%
8	96	-1%	2%
9	94	-1%	5%
10	91	0%	6%
11	89	2%	6%
12	96	1%	2%
13	95	3%	3%
14	95	2%	1%
15	87	11%	-3%
16	95	2%	0%



BEAM DETAILS



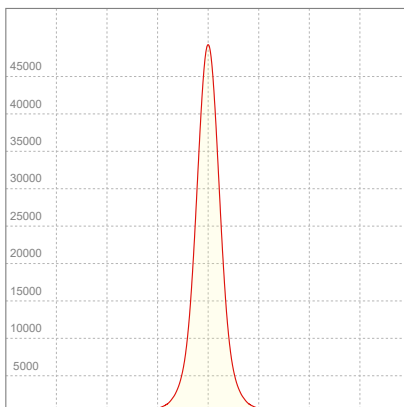
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	47,4°	72,7°	96,4%	91,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	49178lx	12295lx	5464lx	3074lx	1967lx	874lx	492lx	219lx	123lx	79lx	55lx	31lx	20lx
Footcand.	4569fcd	1142fcd	508fcd	286fcd	183fcd	81fcd	46fcd	20fcd	11fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,4m	12,4m	16,6m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34ft	40,8ft	54,4ft	68ft

LINEAR DISTRIBUTION DIAGRAM

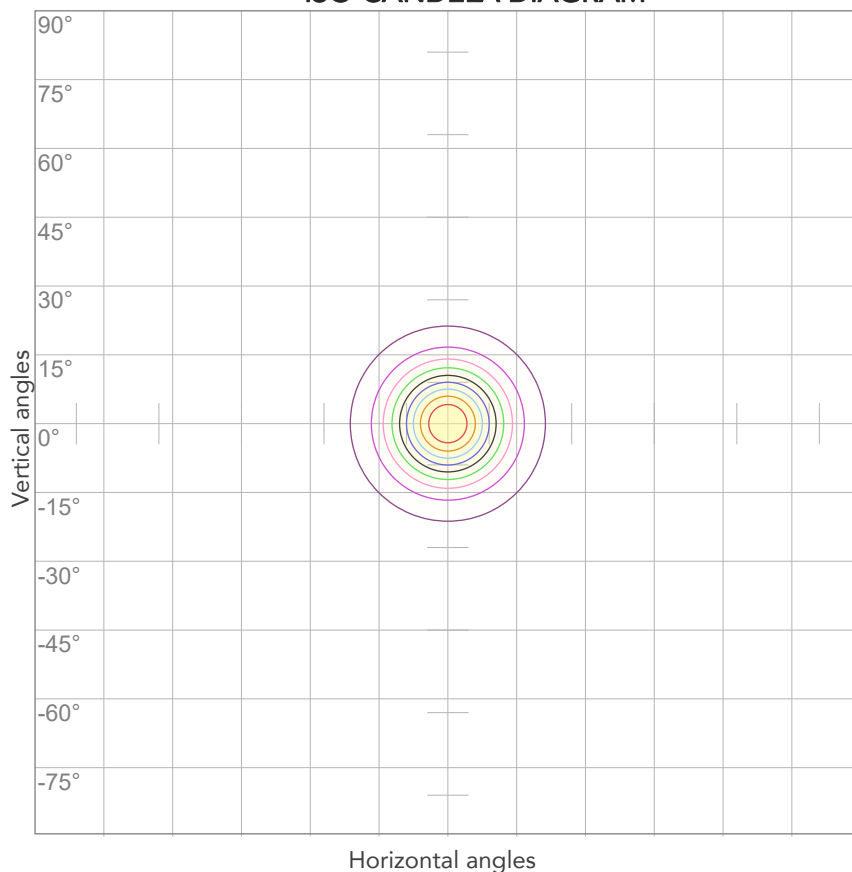


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,978A	210,7W	0,96	59lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



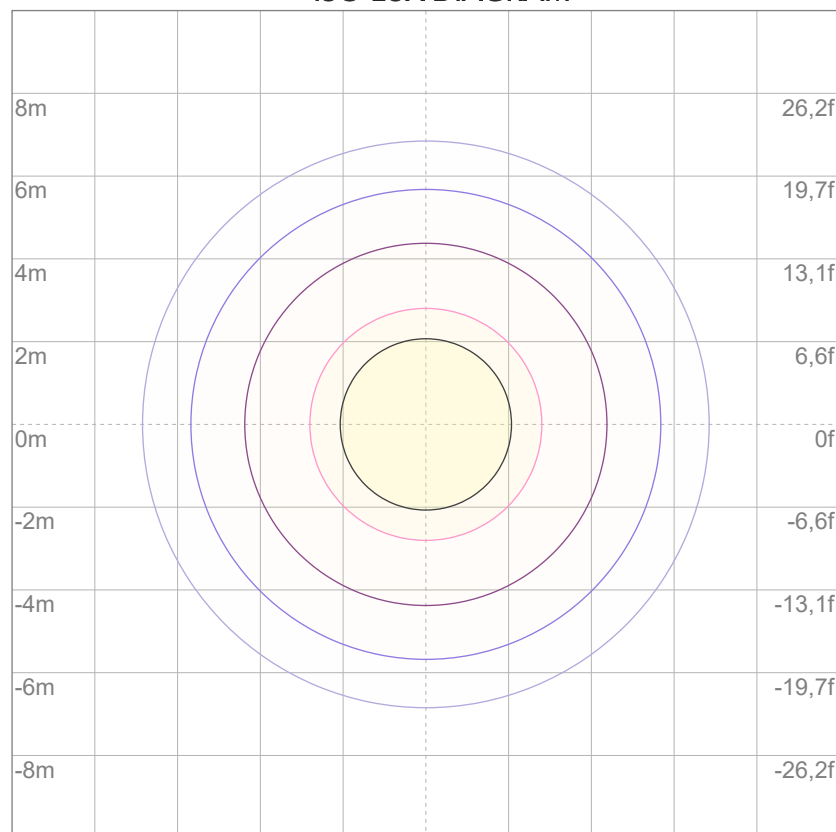
10%	4918 cd
20%	9836 cd
30%	14754 cd
40%	19671 cd
50%	24589 cd
60%	29507 cd
70%	34425 cd
80%	39343 cd

Conditions:

Number of c-planes: 2

Candela at center: 49178 cd

ISO LUX DIAGRAM



3%	14,8 lx
5%	24,6 lx
10%	49,2 lx
30%	148 lx
50%	246 lx

Conditions:

Number of c-planes: 2

Lux at center: 492 lx

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



Total lumen output:

11782 lm

Peak candela output:

15387 cd

Light quality:

CRI: 96,6

Color temperature:

6525 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

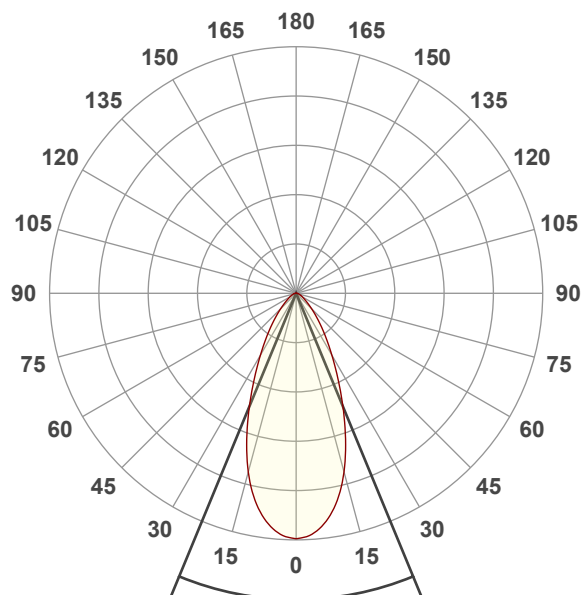
Cold White

Operator:

Salvatore Giglio

Date and time:

27/02/2024 15:39:10

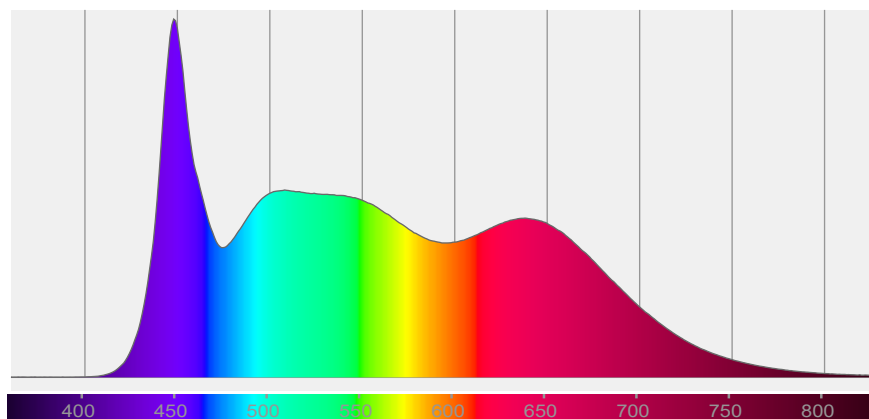


Beam angle 50%: 44,9°

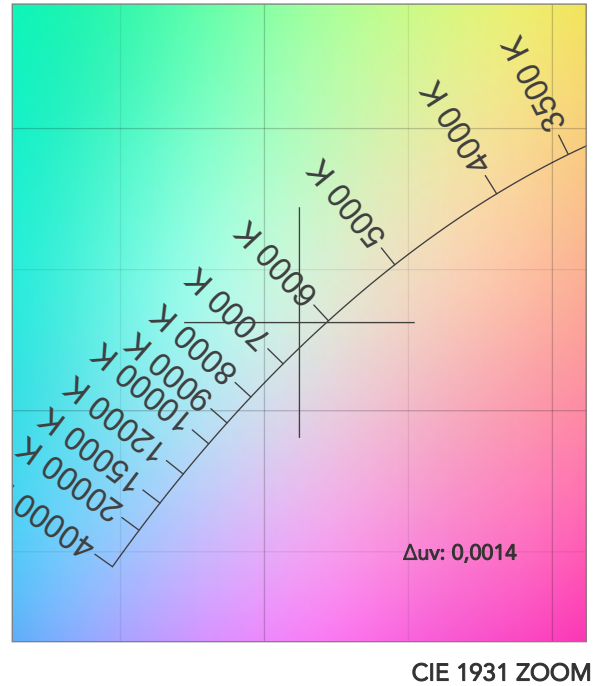
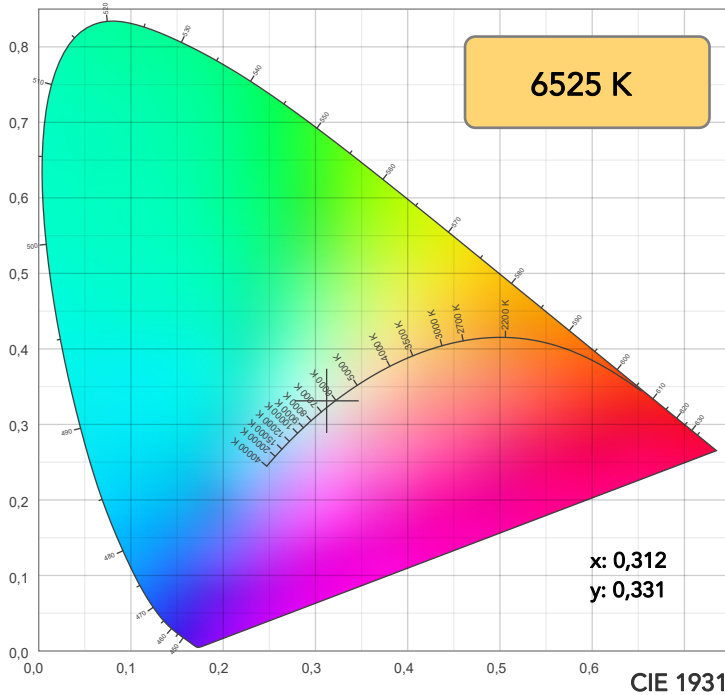
Field angle 10%: 87,4°

Cut off angle 2.5%: 125,3°

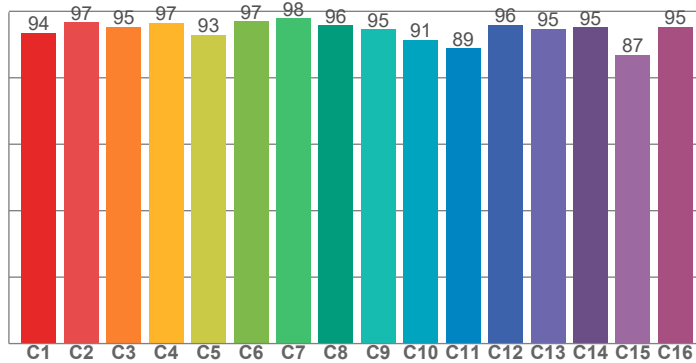
Spectra



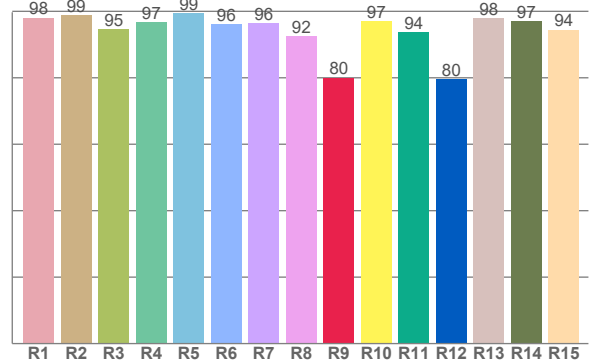
COLOR DETAILS



TM30: 94,1



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
98,1	98,7	94,5	96,8	99,5	96,0	96,4	92,5	80,0	97,0	93,8	79,5	97,9	97,0	94,5

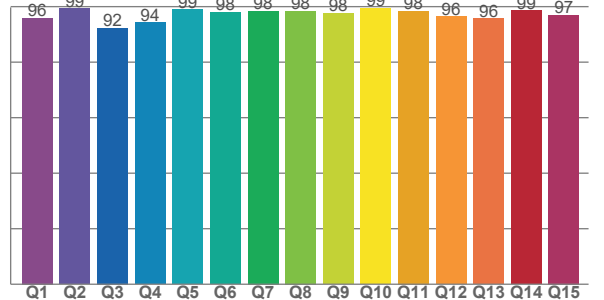
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

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
6525 K	96,6	80,0	94,1	101,7	96,6	98	0,312	0,331	0,0014

TM30 DETAILS

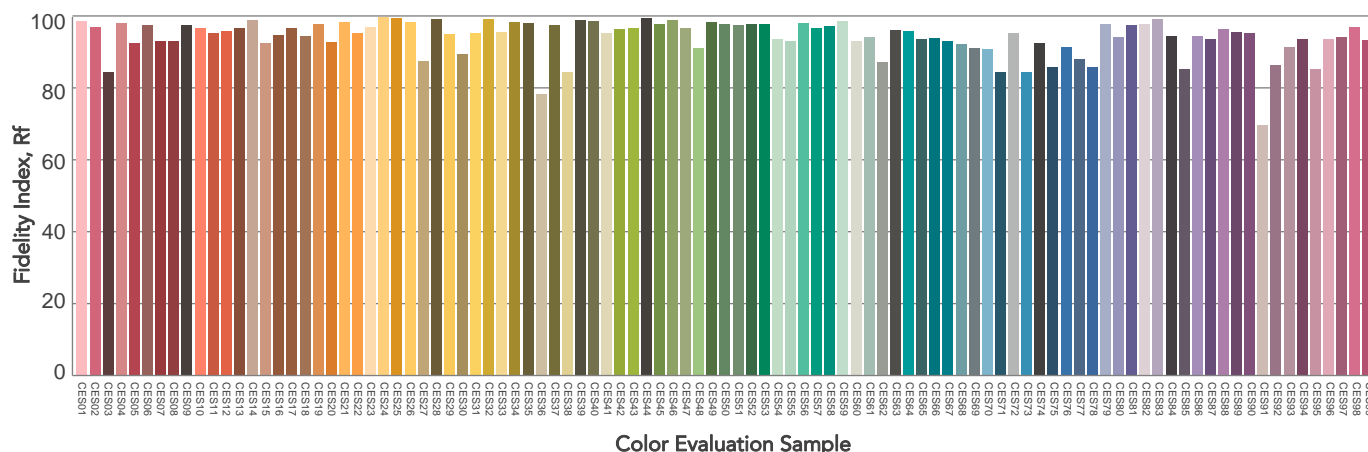
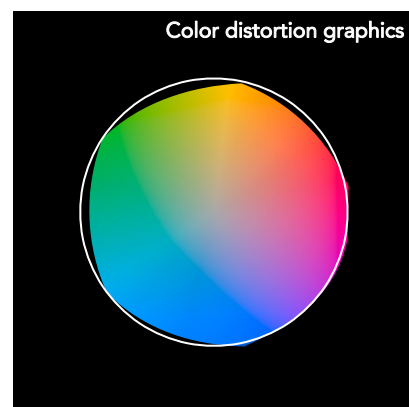
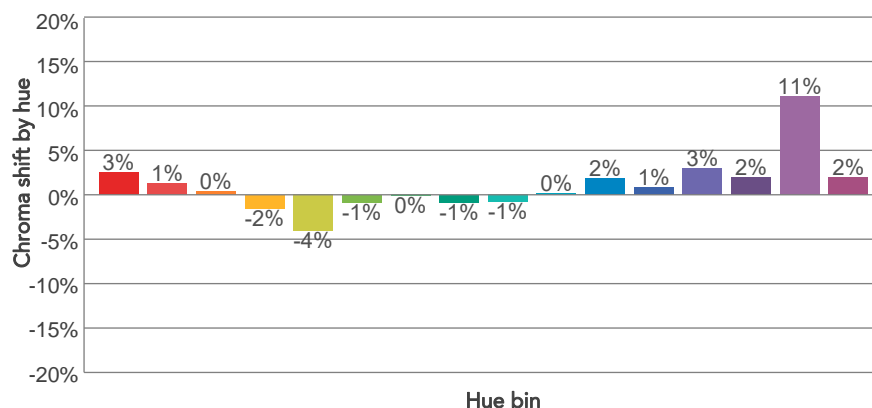
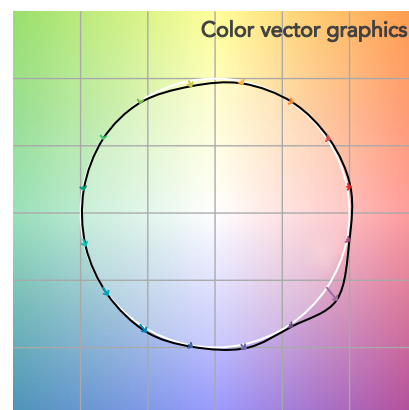
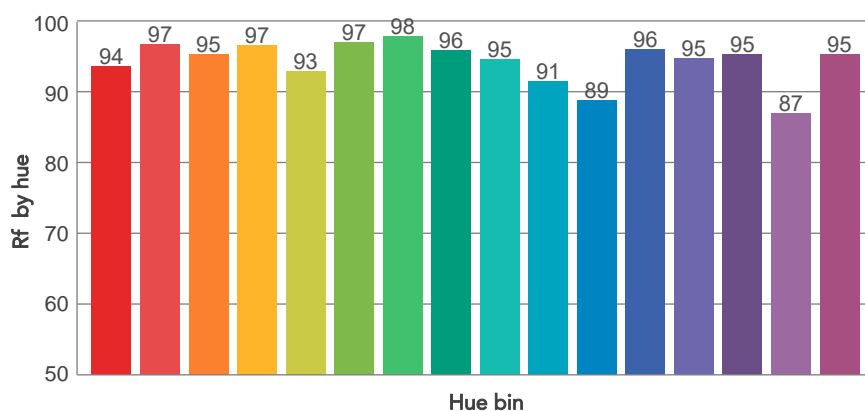
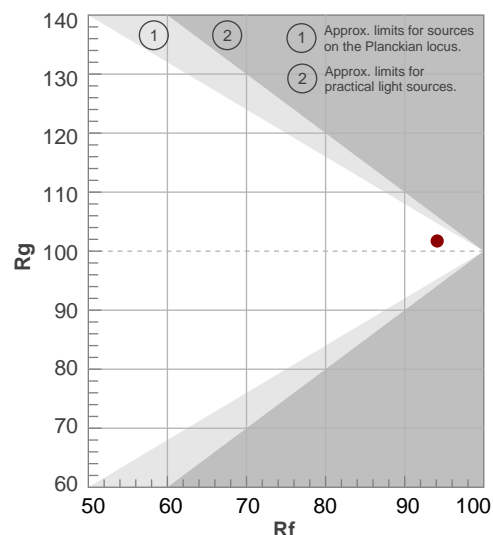
Rf 94,1

Fidelity index Rf

Rg 101,7

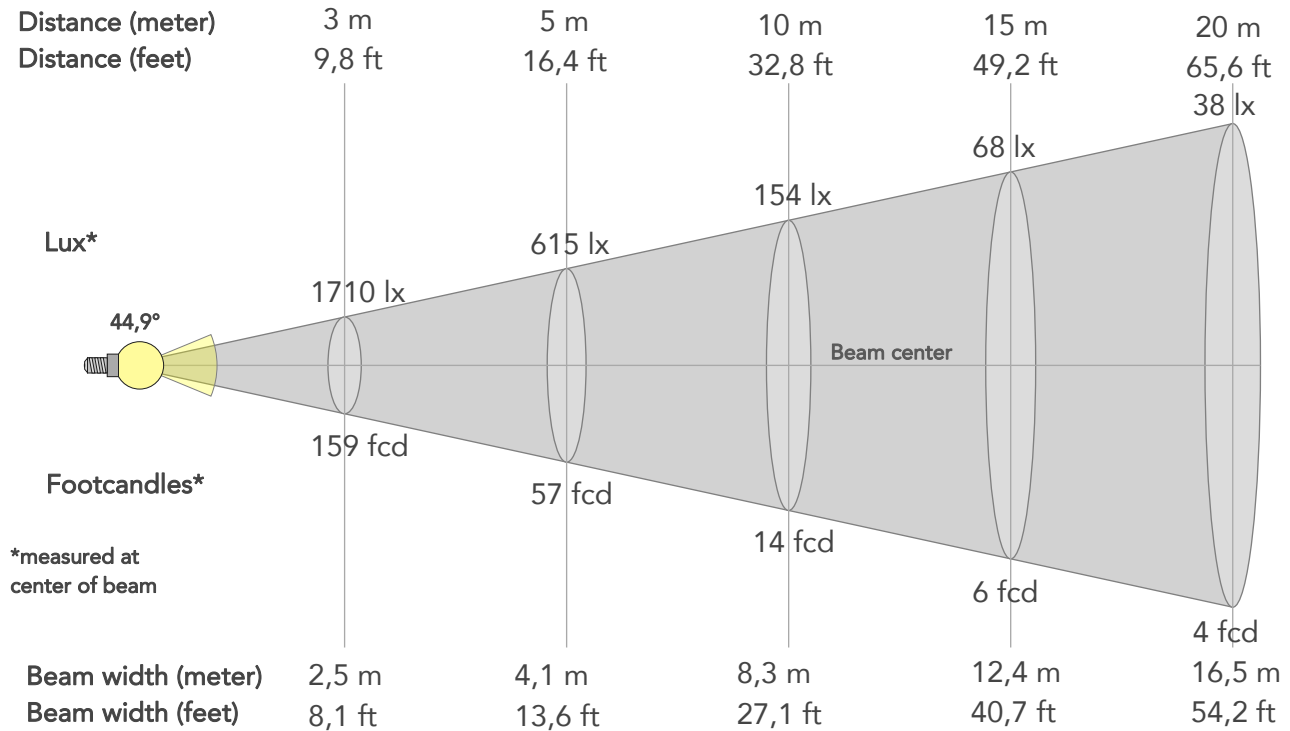
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	3%	-1%
2	97	1%	-2%
3	95	0%	-2%
4	97	-2%	-1%
5	93	-4%	-1%
6	97	-1%	1%
7	98	0%	0%
8	96	-1%	2%
9	95	-1%	5%
10	91	0%	6%
11	89	2%	6%
12	96	1%	3%
13	95	3%	3%
14	95	2%	1%
15	87	11%	-3%
16	95	2%	0%



BEAM DETAILS

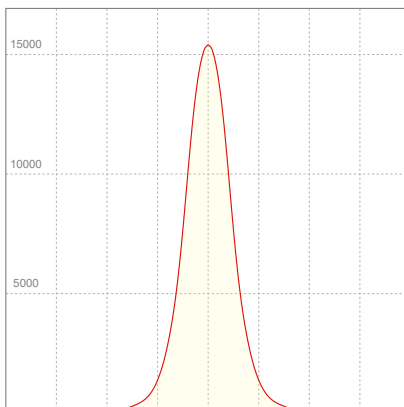
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,9°	87,4°	125,3°	94,7%	85,9%



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	15387lx	3847lx	1710lx	962lx	615lx	274lx	154lx	68lx	38lx	25lx	17lx	10lx	6lx
Footcand.	1430fcd	357fcd	159fcd	89fcd	57fcd	25fcd	14fcd	6fcd	4fcd	2fcd	2fcd	1fcd	1fcd
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	135,5ft

LINEAR DISTRIBUTION DIAGRAM

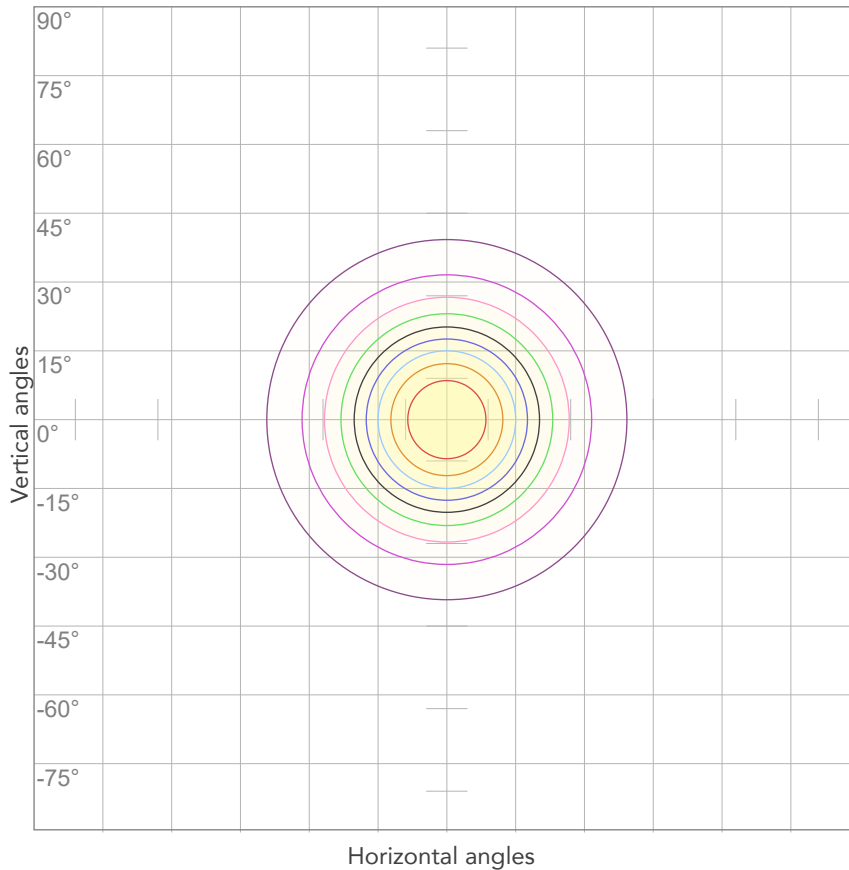


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,981A	212,3W	0,96	56lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



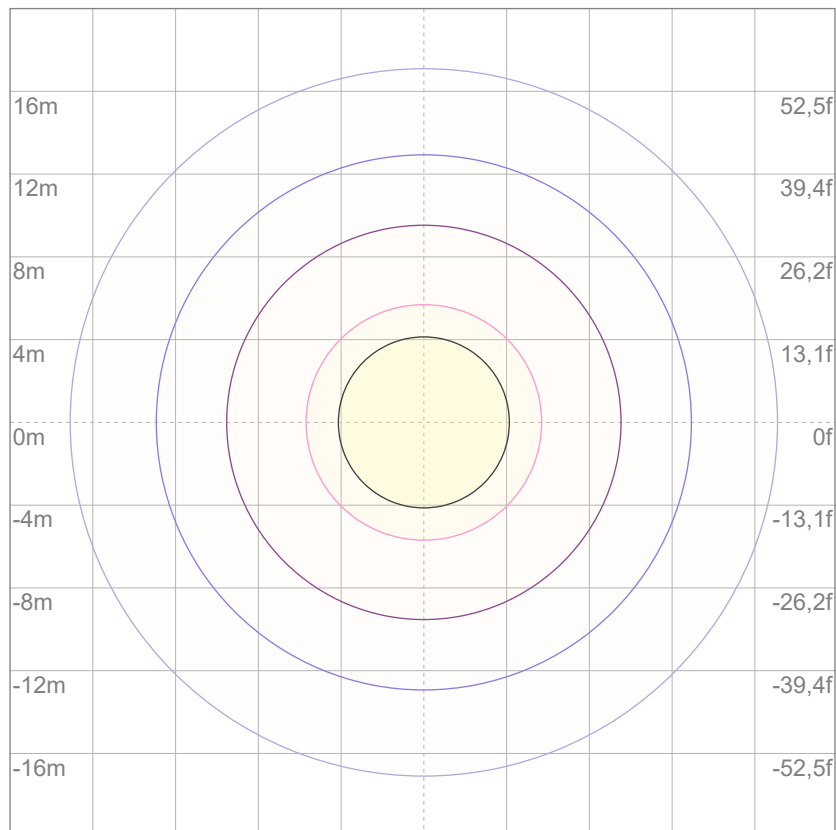
10%	1539 cd
20%	3077 cd
30%	4616 cd
40%	6155 cd
50%	7694 cd
60%	9232 cd
70%	10771 cd
80%	12310 cd

Conditions:

Number of c-planes: 2

Candela at center: 15387 cd

ISO LUX DIAGRAM



3%	4,62 lx
5%	7,69 lx
10%	15,4 lx
30%	46,2 lx
50%	76,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 154 lx

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



Total lumen output:

11460 lm

Peak candela output:

10366 cd

Light quality:

CRI: 96,3

Color temperature:

6573 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

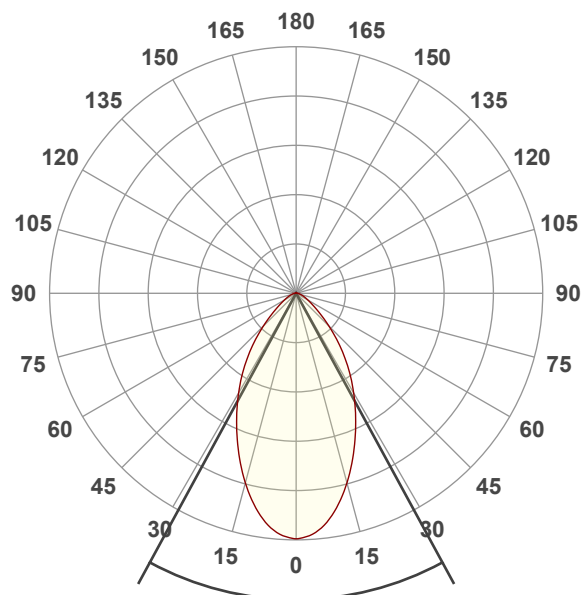
Cold White

Operator:

Salvatore Giglio

Date and time:

27/02/2024 16:07:28

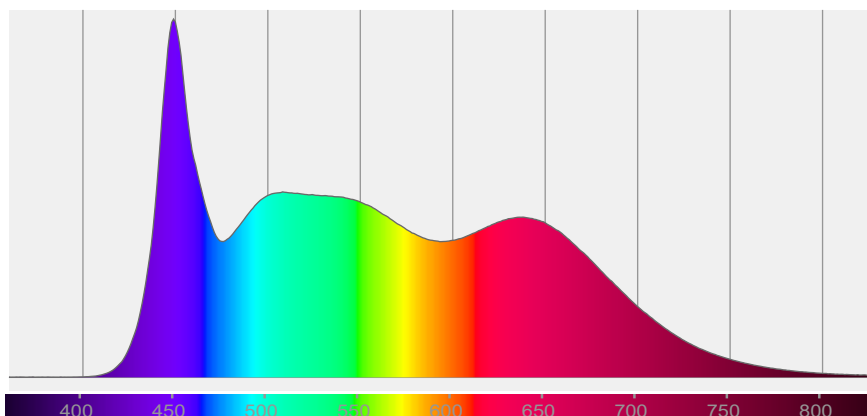


Beam angle 50%: 57°

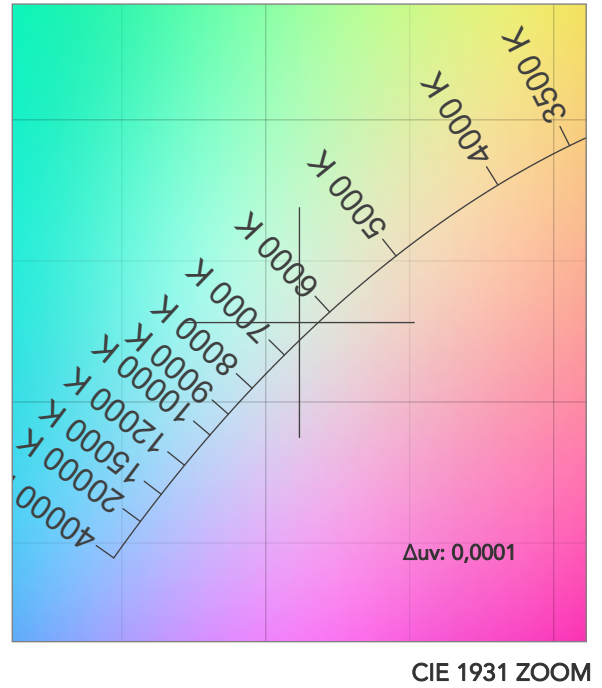
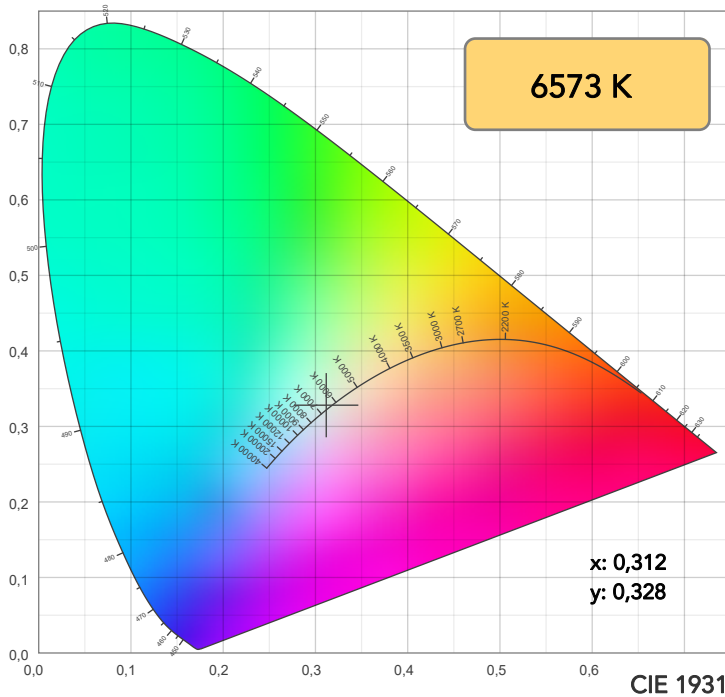
Field angle 10%: 105,2°

Cut off angle 2.5%: 143,2°

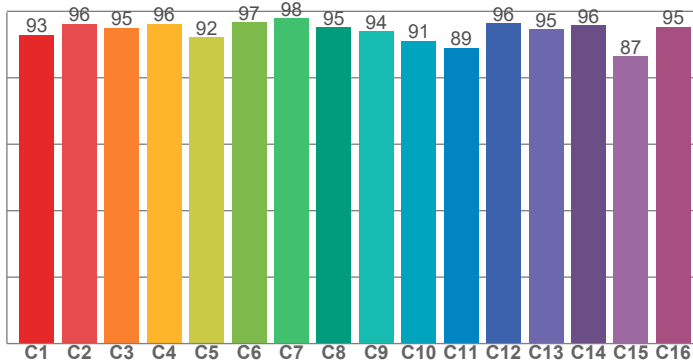
Spectra



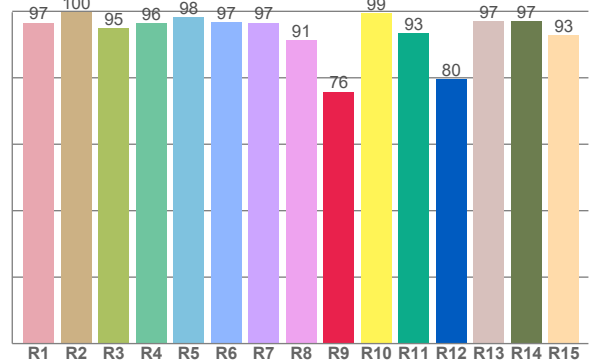
COLOR DETAILS



TM30: 93,8



CRI: 96,3 (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
96,5	99,8	94,9	96,5	98,2	96,7	96,6	91,3	75,8	99,4	93,5	79,6	97,0	97,1	92,7

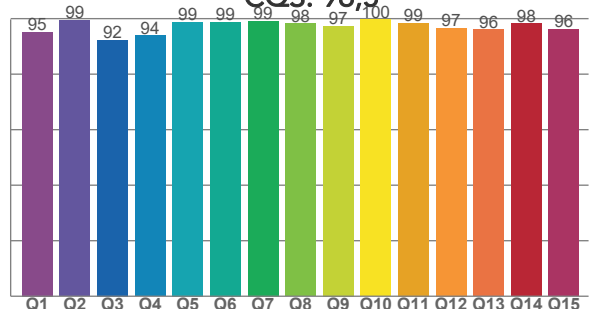
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

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
6573 K	96,3	75,8	93,8	101,7	96,5	98	0,312	0,328	0,0001

TM30 DETAILS

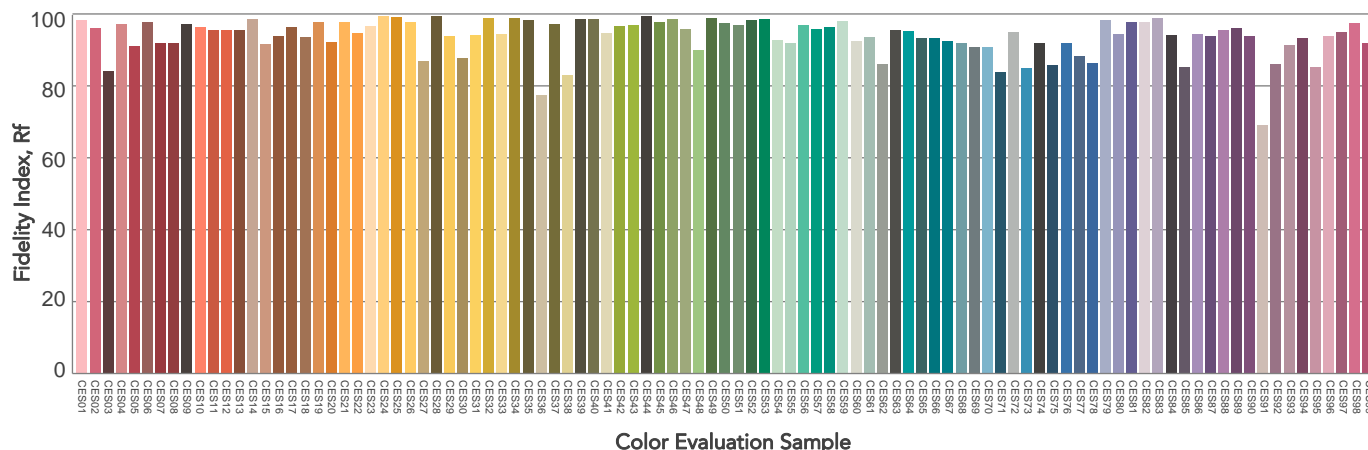
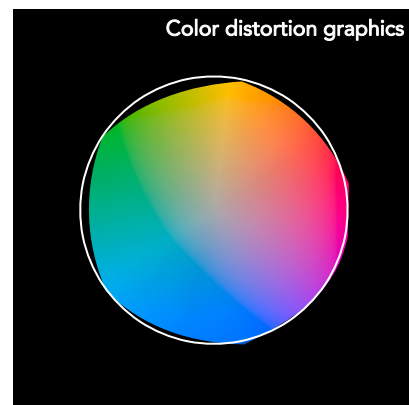
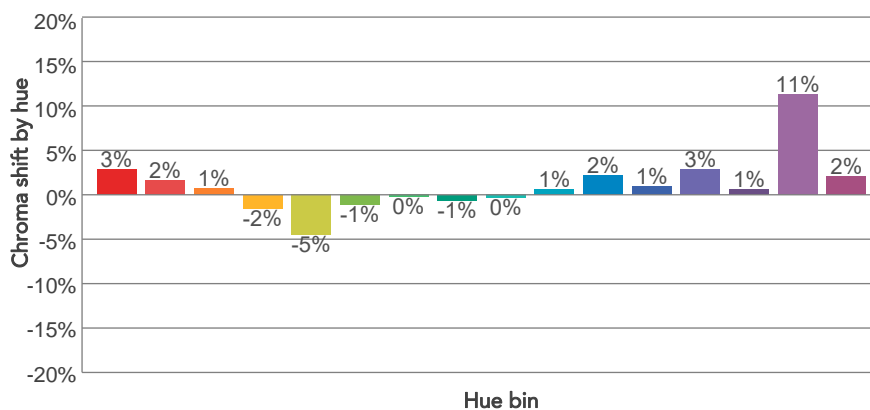
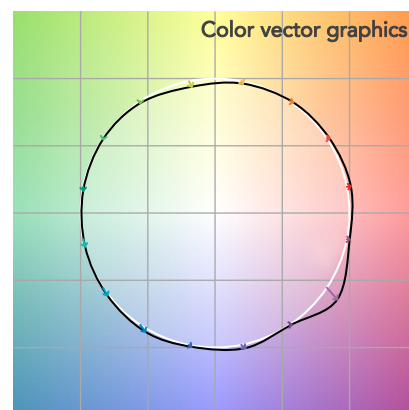
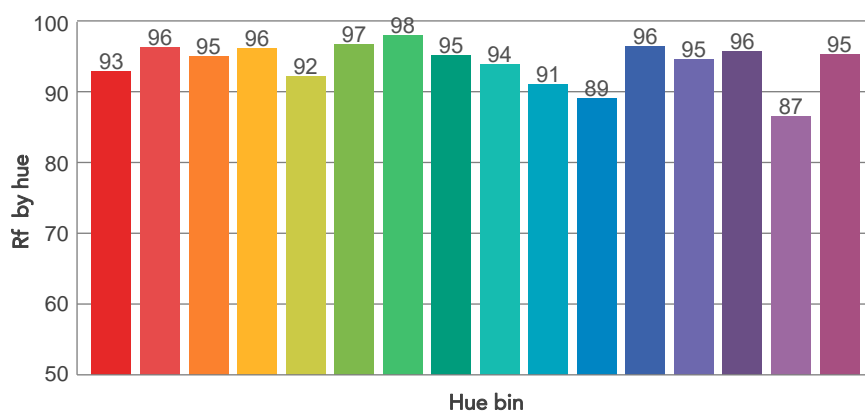
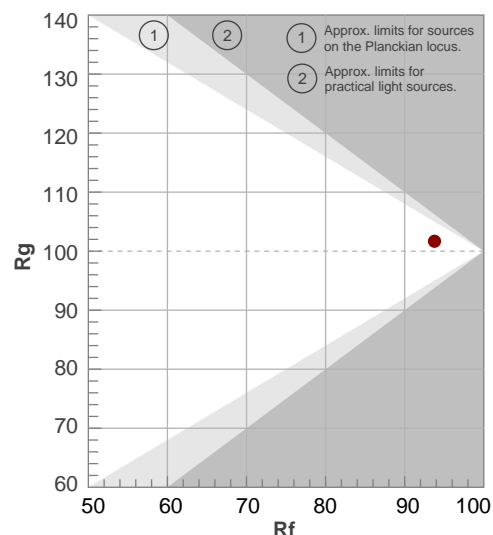
Rf 93,8

Fidelity index Rf

Rg 101,7

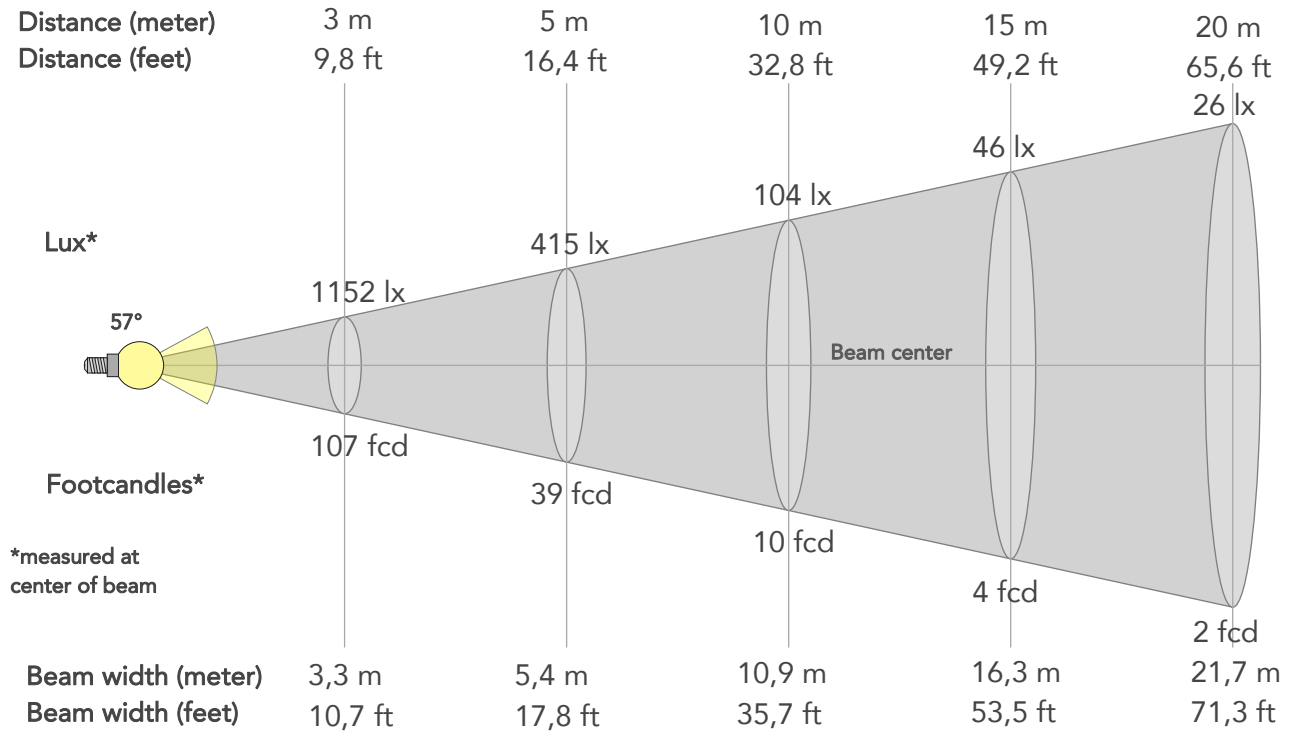
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	3%	0%
2	96	2%	-1%
3	95	1%	-3%
4	96	-2%	-2%
5	92	-5%	-1%
6	97	-1%	1%
7	98	0%	1%
8	95	-1%	3%
9	94	0%	6%
10	91	1%	6%
11	89	2%	6%
12	96	1%	2%
13	95	3%	3%
14	96	1%	1%
15	87	11%	-3%
16	95	2%	0%



BEAM DETAILS

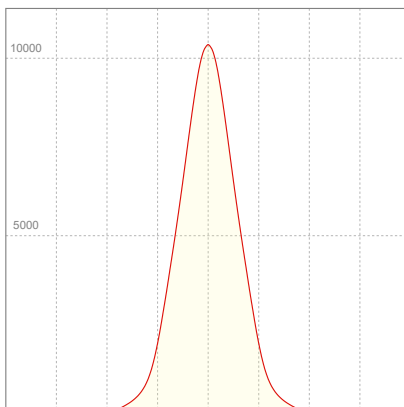
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57°	105,2°	143,2°	93,2%	80,8%



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	10366lx	2592lx	1152lx	648lx	415lx	184lx	104lx	46lx	26lx	17lx	12lx	6lx	4lx
Footcand.	963fcd	241fcd	107fcd	60fcd	39fcd	17fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,3m	5,4m	8,2m	10,9m	16,3m	21,7m	27,2m	32,6m	43,5m	54,3m
Beam wid.	3,6ft	7,2ft	10,7ft	14,2ft	17,8ft	26,7ft	35,7ft	53,5ft	71,3ft	89,1ft	107ft	142,6ft	178,3ft

LINEAR DISTRIBUTION DIAGRAM

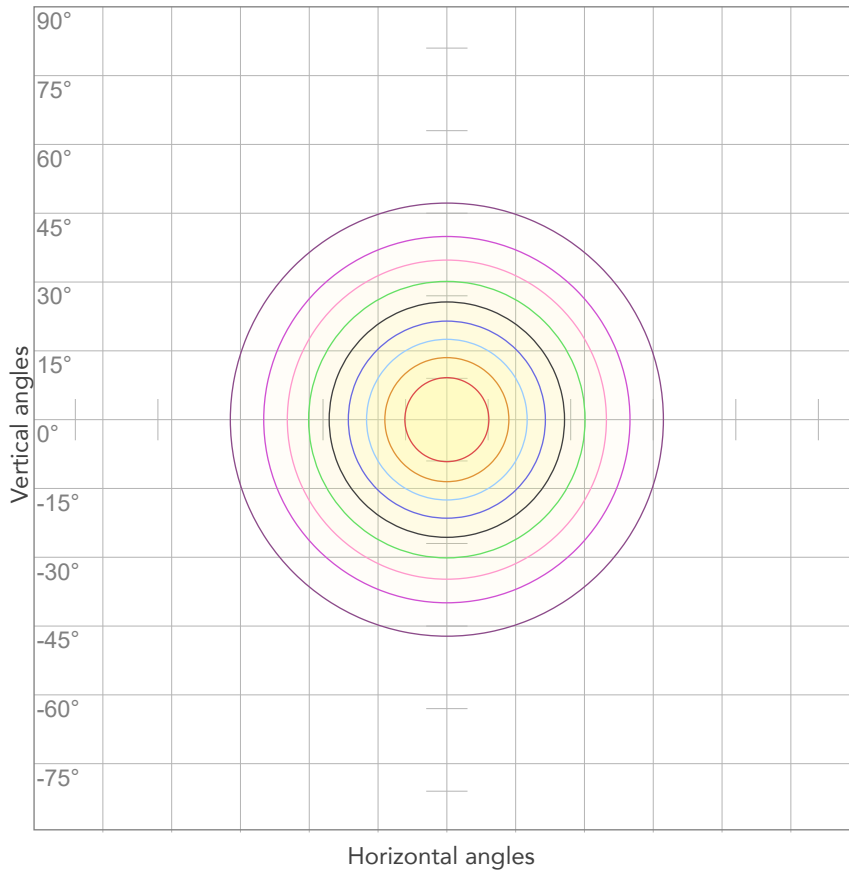


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,961A	208,4W	0,96	55lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



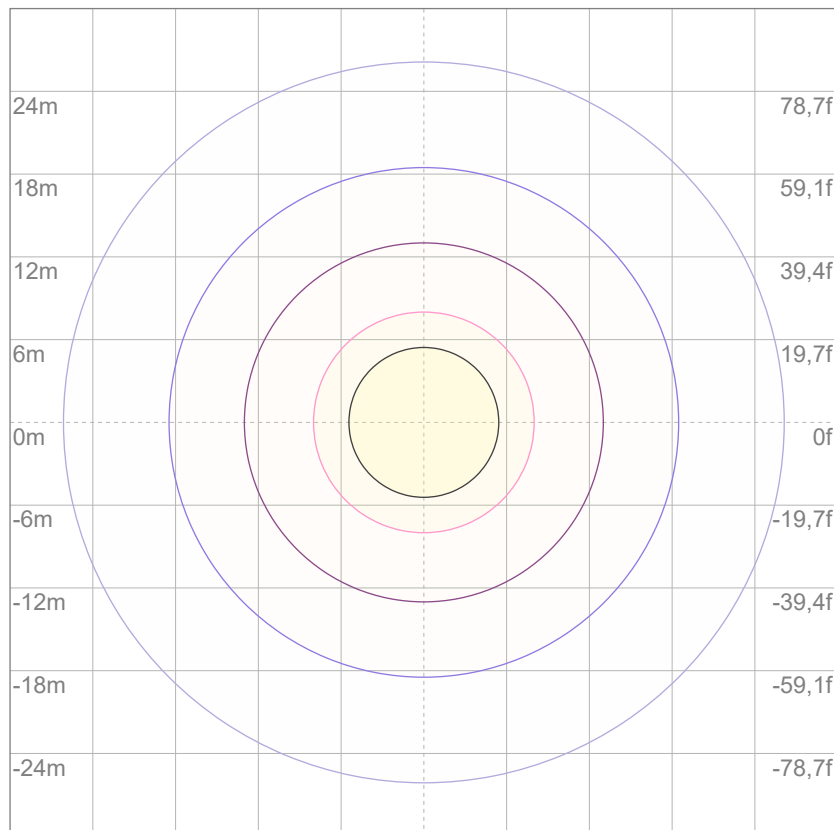
10%	1037 cd
20%	2073 cd
30%	3110 cd
40%	4147 cd
50%	5183 cd
60%	6220 cd
70%	7256 cd
80%	8293 cd

Conditions:

Number of c-planes: 2

Candela at center: 10366 cd

ISO LUX DIAGRAM



3%	3,11 lx
5%	5,18 lx
10%	10,4 lx
30%	31,1 lx
50%	51,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 104 lx

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



Total lumen output:

13207 lm

Peak candela output:

22408 cd

Light quality:

CRI: 96,4

Color temperature:

6404 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

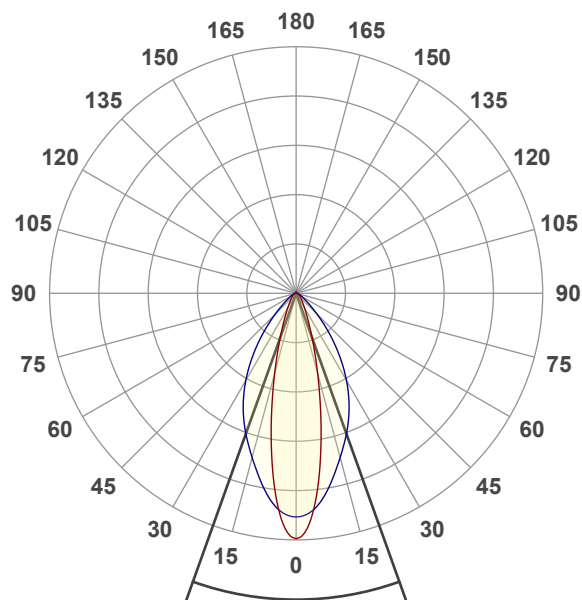
Cold White

Operator:

Salvatore Giglio

Date and time:

27/02/2024 17:26:59

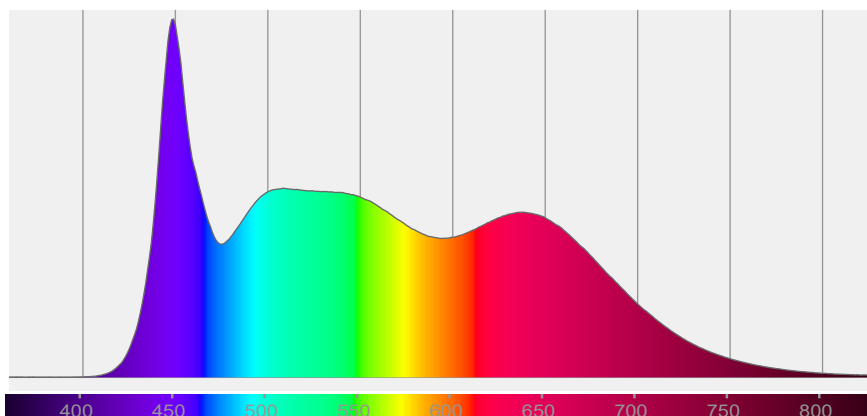


Beam angle 50%: 39,4°

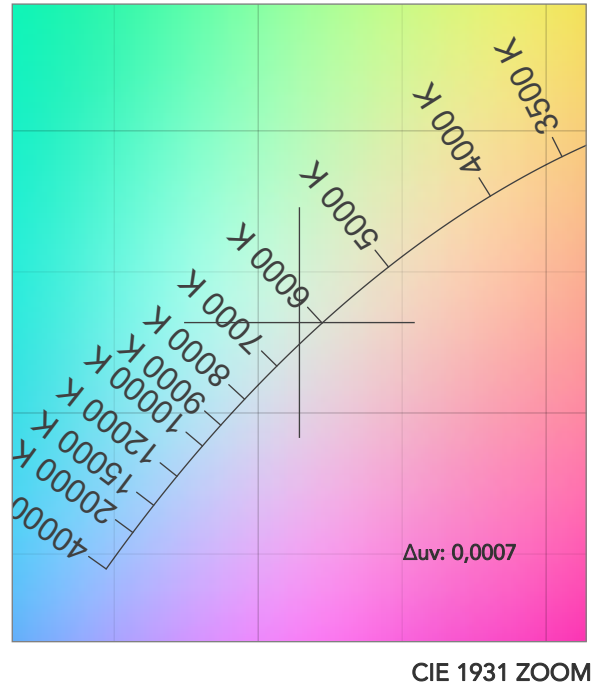
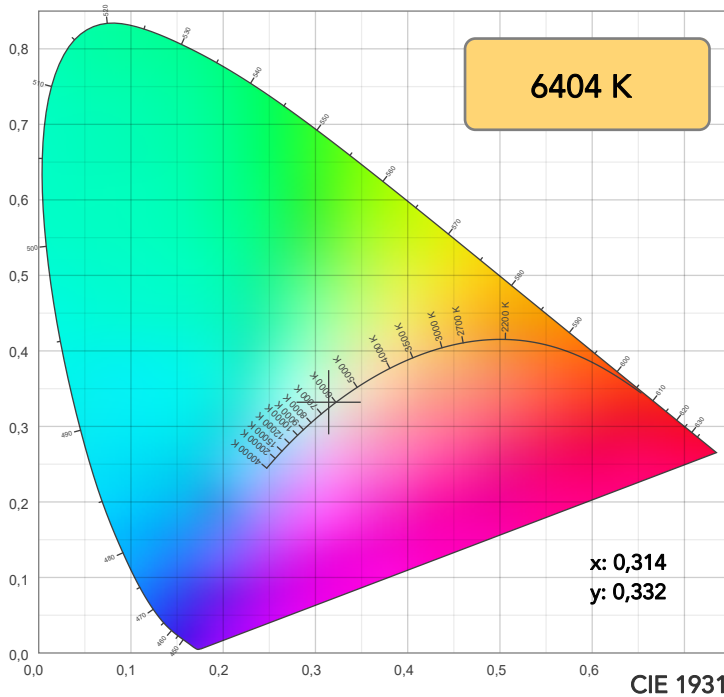
Field angle 10%: 73,3°

Cut off angle 2.5%: 108,9°

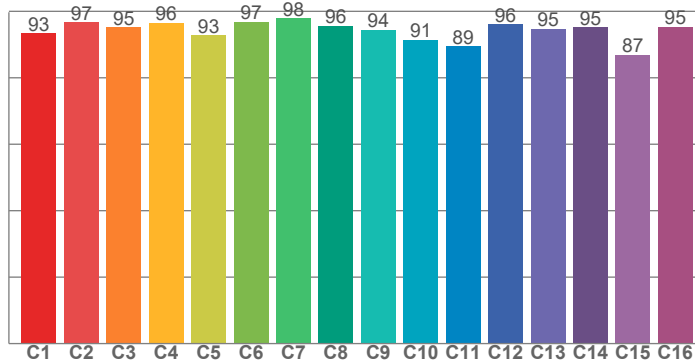
Spectra



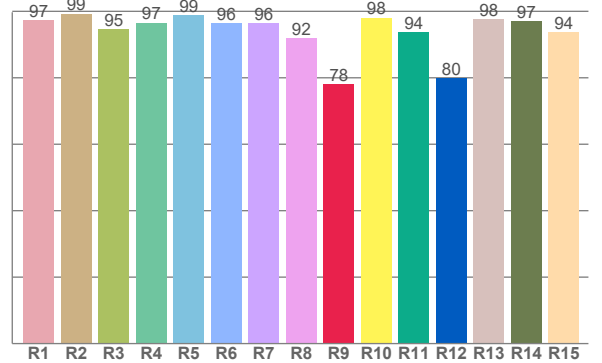
COLOR DETAILS



TM30: 94,1



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
97,4	99,3	94,6	96,5	98,9	96,4	96,4	91,9	78,1	98,1	93,6	79,9	97,6	97,0	93,8

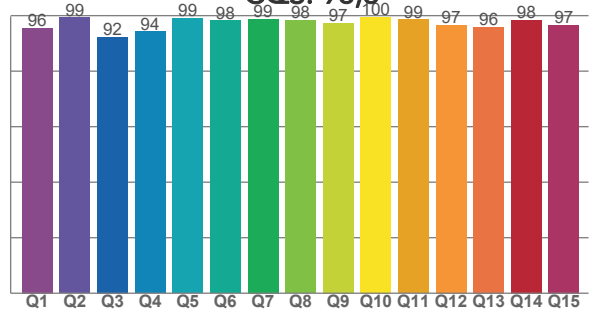
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

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
6404 K	96,4	78,1	94,1	102,0	96,6	98	0,314	0,332	0,0007

TM30 DETAILS

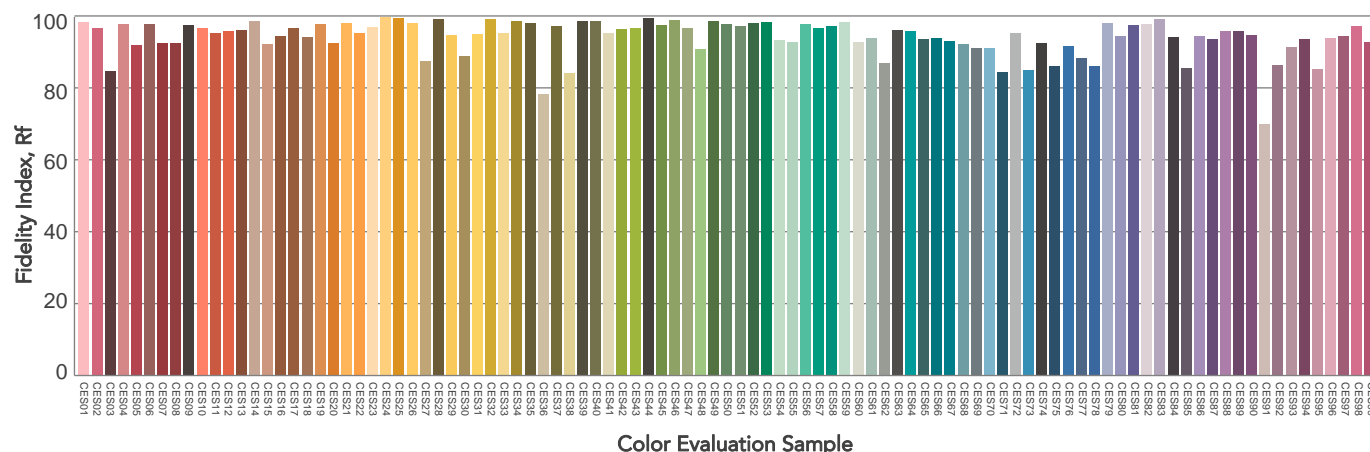
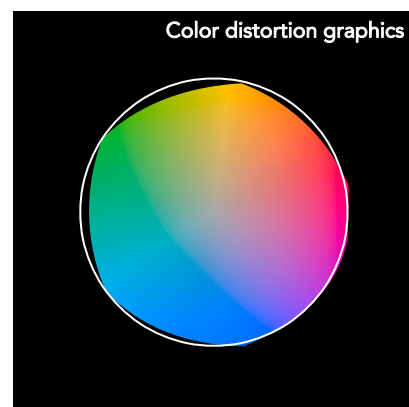
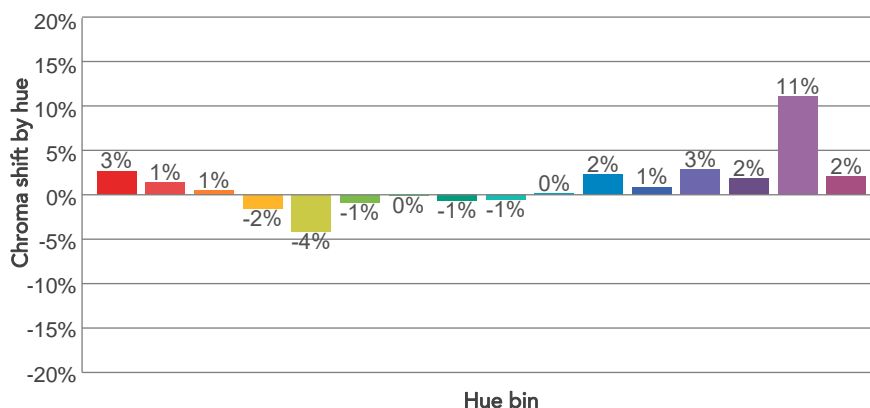
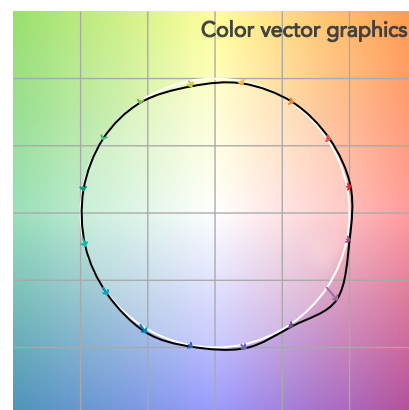
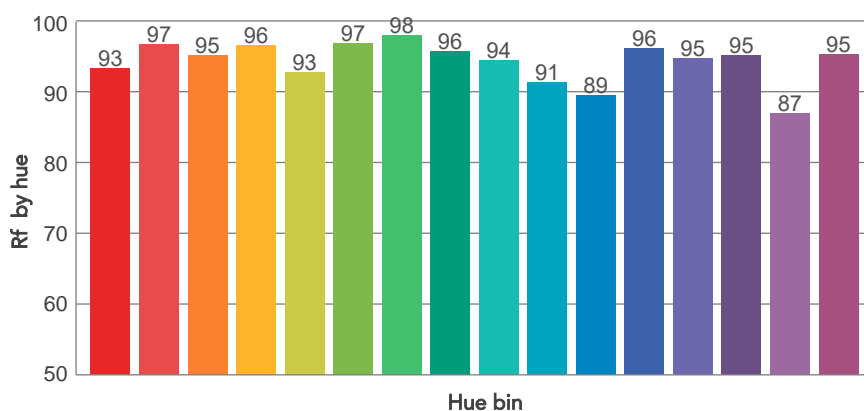
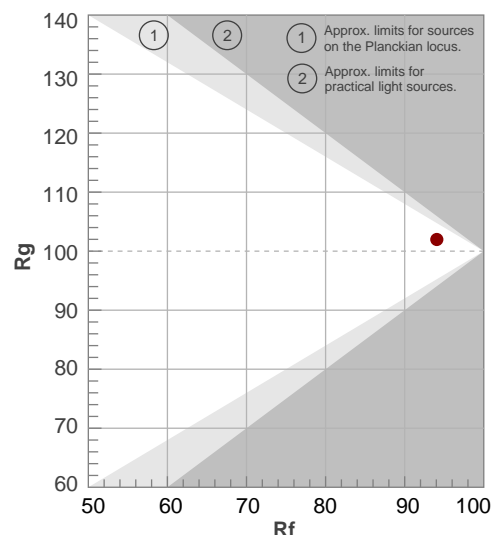
Rf 94,1

Fidelity index Rf

Rg 102,0

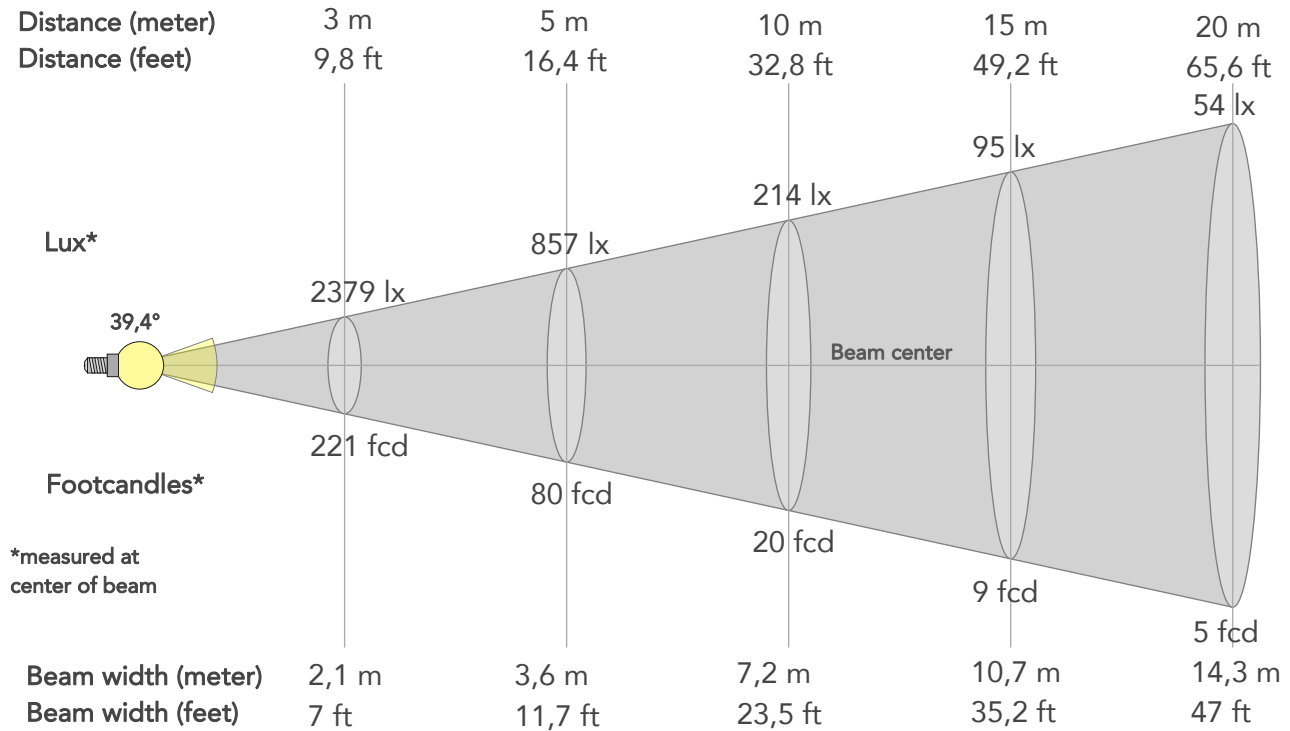
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	3%	0%
2	97	1%	-2%
3	95	1%	-2%
4	96	-2%	-1%
5	93	-4%	-1%
6	97	-1%	1%
7	98	0%	0%
8	96	-1%	2%
9	94	-1%	5%
10	91	0%	5%
11	89	2%	6%
12	96	1%	2%
13	95	3%	3%
14	95	2%	1%
15	87	11%	-3%
16	95	2%	0%



BEAM DETAILS

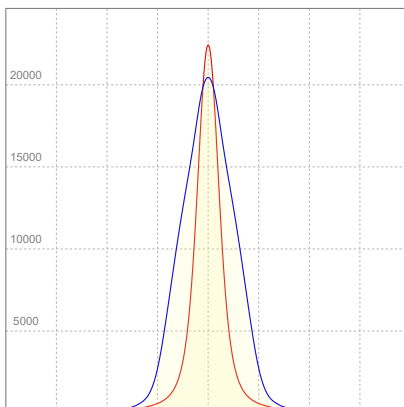
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,4°	73,3°	108,9°	94,9%	86,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	21413lx	5353lx	2379lx	1338lx	857lx	381lx	214lx	95lx	54lx	34lx	24lx	13lx	9lx
Footcand.	1989fcd	497fcd	221fcd	124fcd	80fcd	35fcd	20fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,7m	1,4m	2,1m	2,9m	3,6m	5,4m	7,2m	10,7m	14,3m	17,9m	21,5m	28,6m	35,8m
Beam wid.	2,4ft	4,7ft	7ft	9,4ft	11,7ft	17,6ft	23,5ft	35,2ft	47ft	58,7ft	70,4ft	93,9ft	117,4ft

LINEAR DISTRIBUTION DIAGRAM

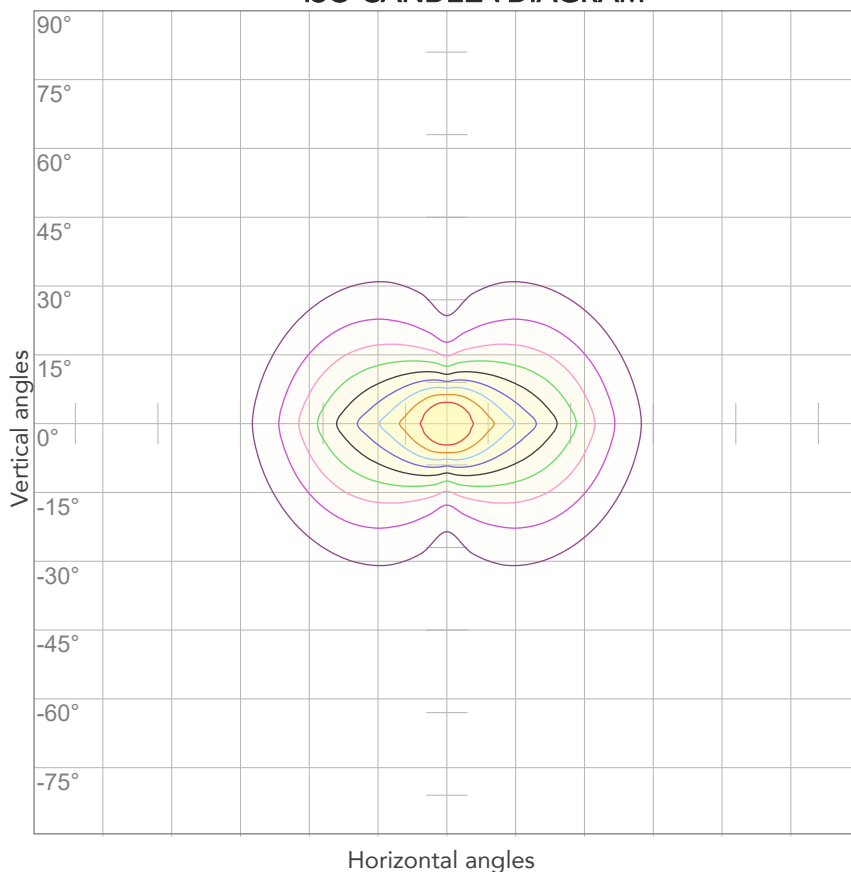


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,982A	210,7W	0,96	63lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



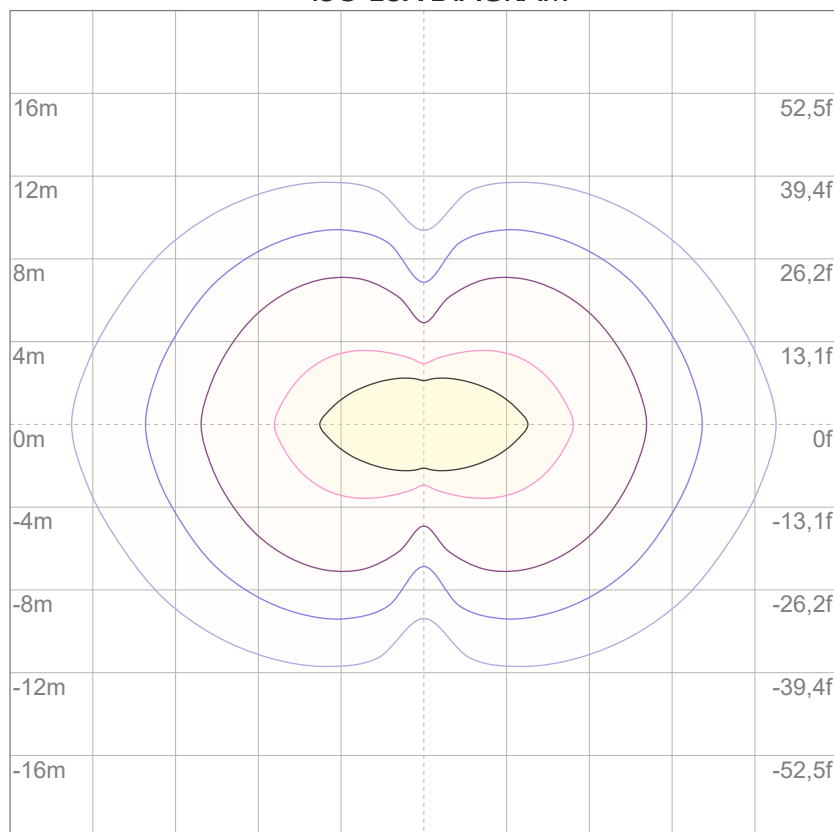
10%	2141 cd
20%	4283 cd
30%	6424 cd
40%	8565 cd
50%	10706 cd
60%	12848 cd
70%	14989 cd
80%	17130 cd

Conditions:

Number of c-planes: 4

Candela at center: 21413 cd

ISO LUX DIAGRAM



3%	6,42 lx
5%	10,7 lx
10%	21,4 lx
30%	64,2 lx
50%	107 lx

Conditions:

Number of c-planes: 4

Lux at center: 214 lx

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



Total lumen output:

12880 lm

Peak candela output:

18050 cd

Light quality:

CRI: 96,0

Color temperature:

6547 K

PRODUCT NAME:

ARCSPOTXLW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

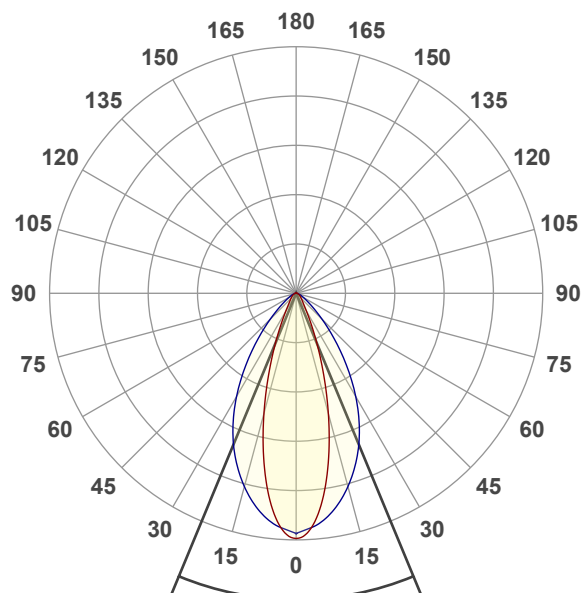
Cold White

Operator:

Salvatore Giglio

Date and time:

27/02/2024 18:08:35

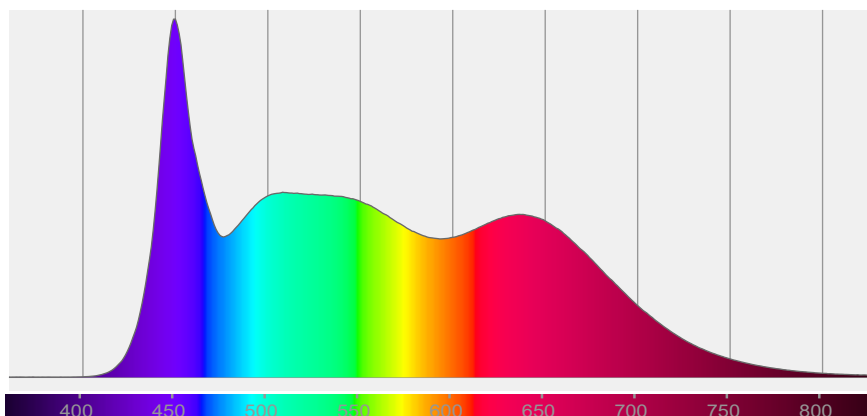


Beam angle 50%: 45°

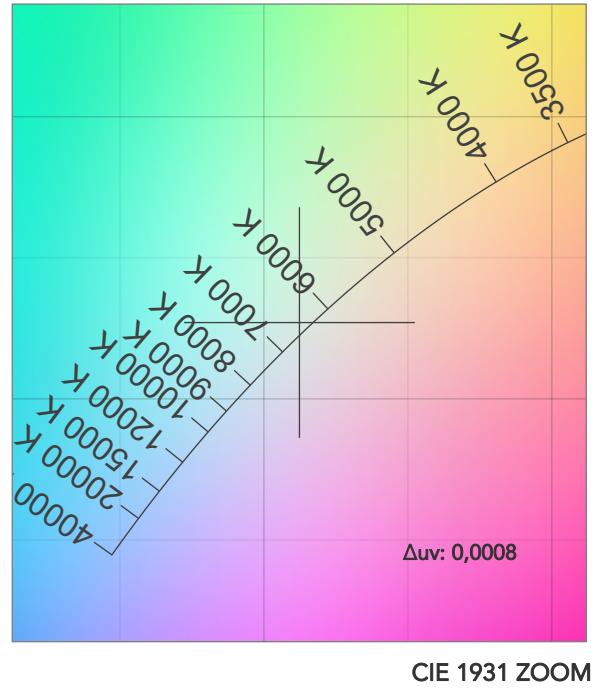
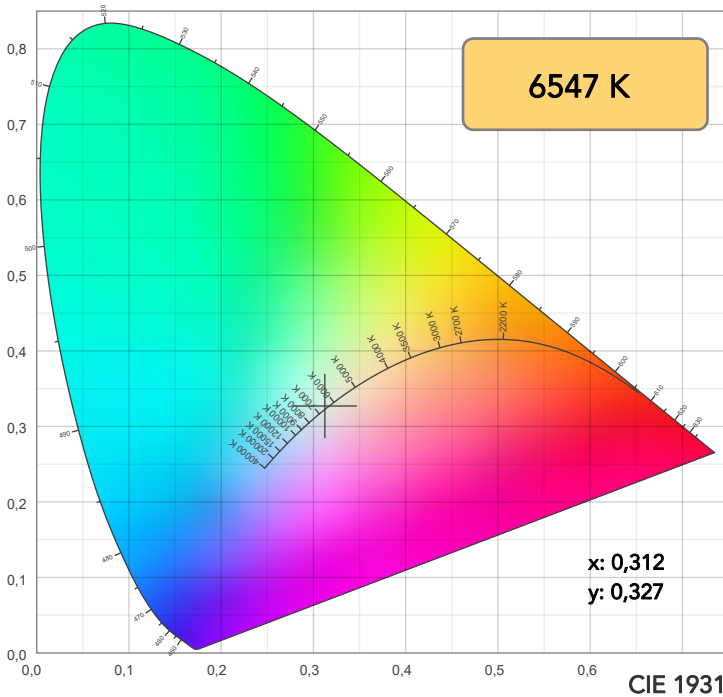
Field angle 10%: 77,7°

Cut off angle 2.5%: 113,2°

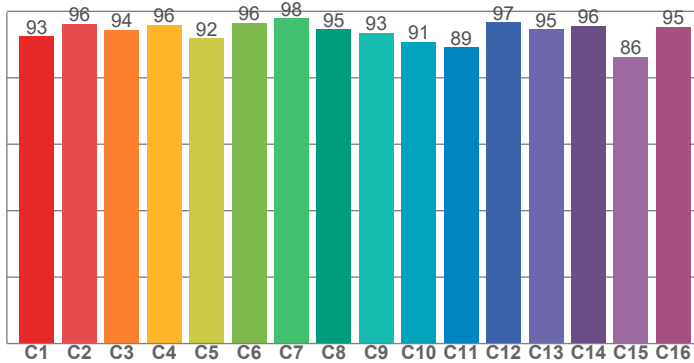
Spectra



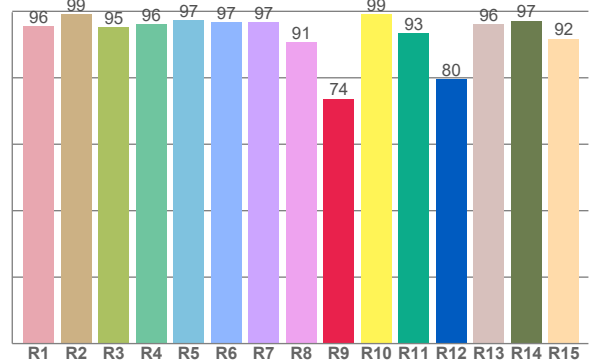
COLOR DETAILS



TM30: 93,6



CRI: 96,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,6	99,1	95,3	96,2	97,3	96,8	96,7	90,8	73,7	99,0	93,3	79,7	96,2	97,2	91,7

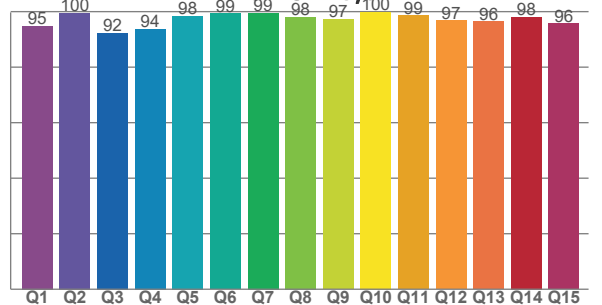
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,5	96,2	94,4	95,9	91,8	96,5	97,9	94,5	93,5	90,7	89,2	96,7	94,6	95,6	86,4	95,2

CQS Q values

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

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
6547 K	96,0	73,7	93,6	101,8	96,5	98	0,312	0,327	0,0008

TM30 DETAILS

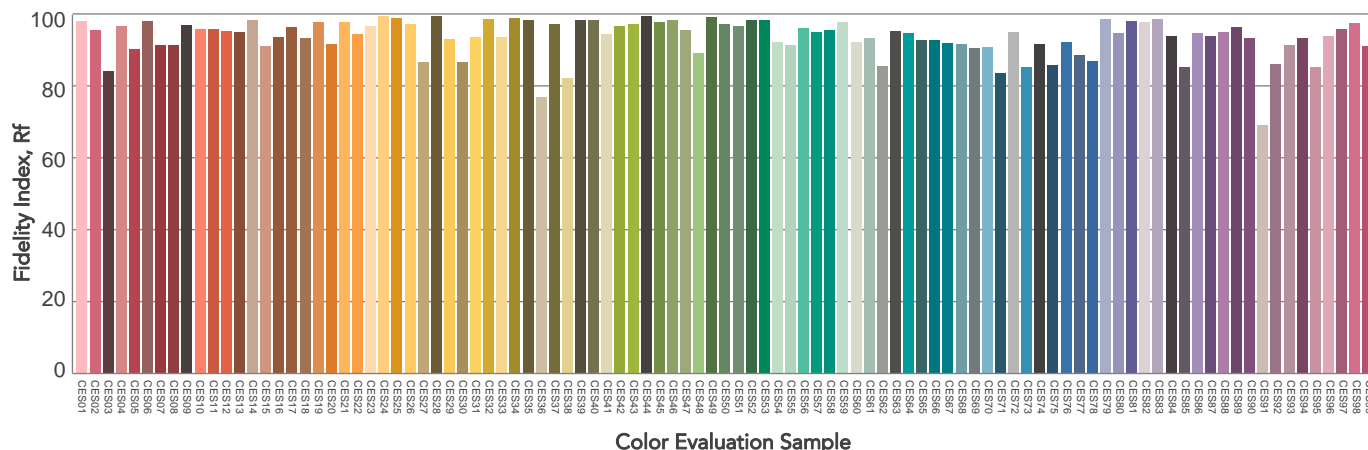
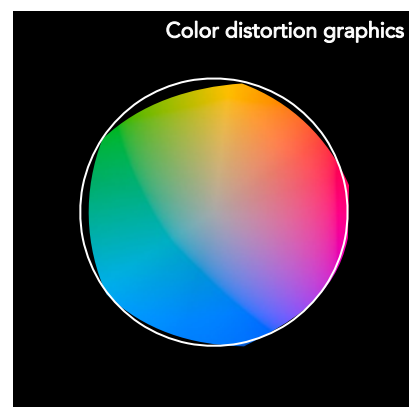
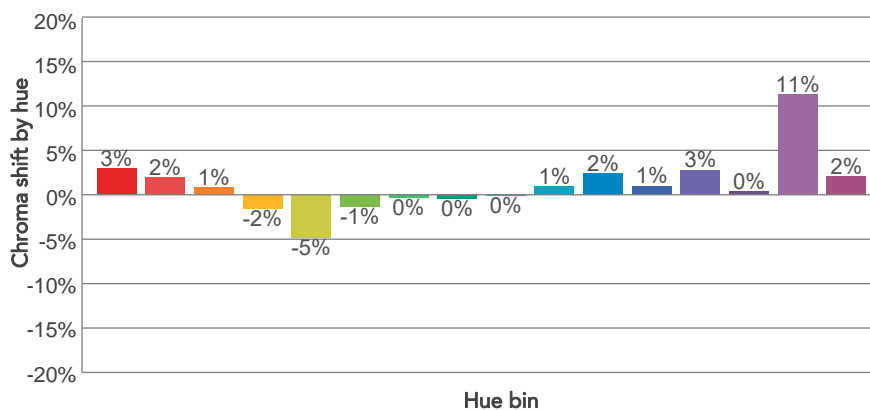
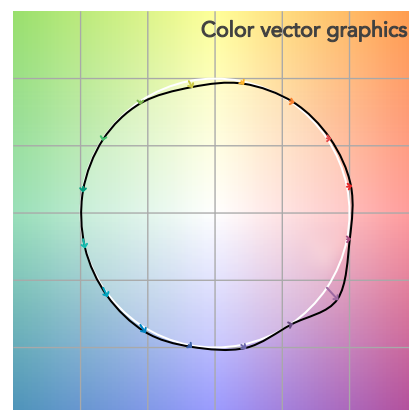
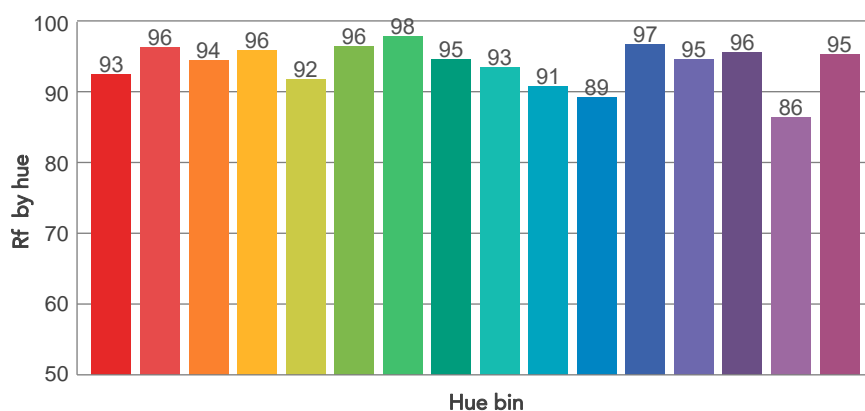
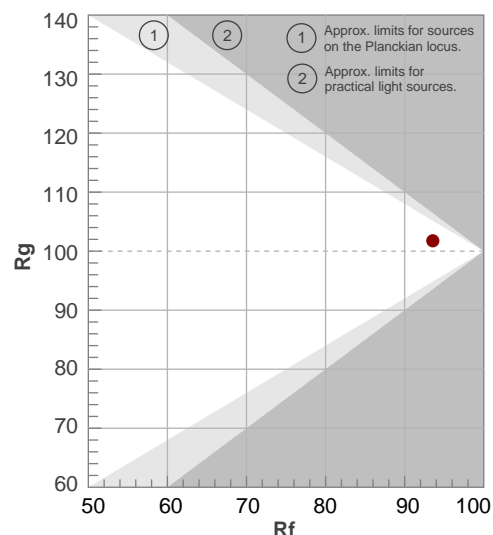
Rf 93,6

Fidelity index Rf

Rg 101,8

Gammut index

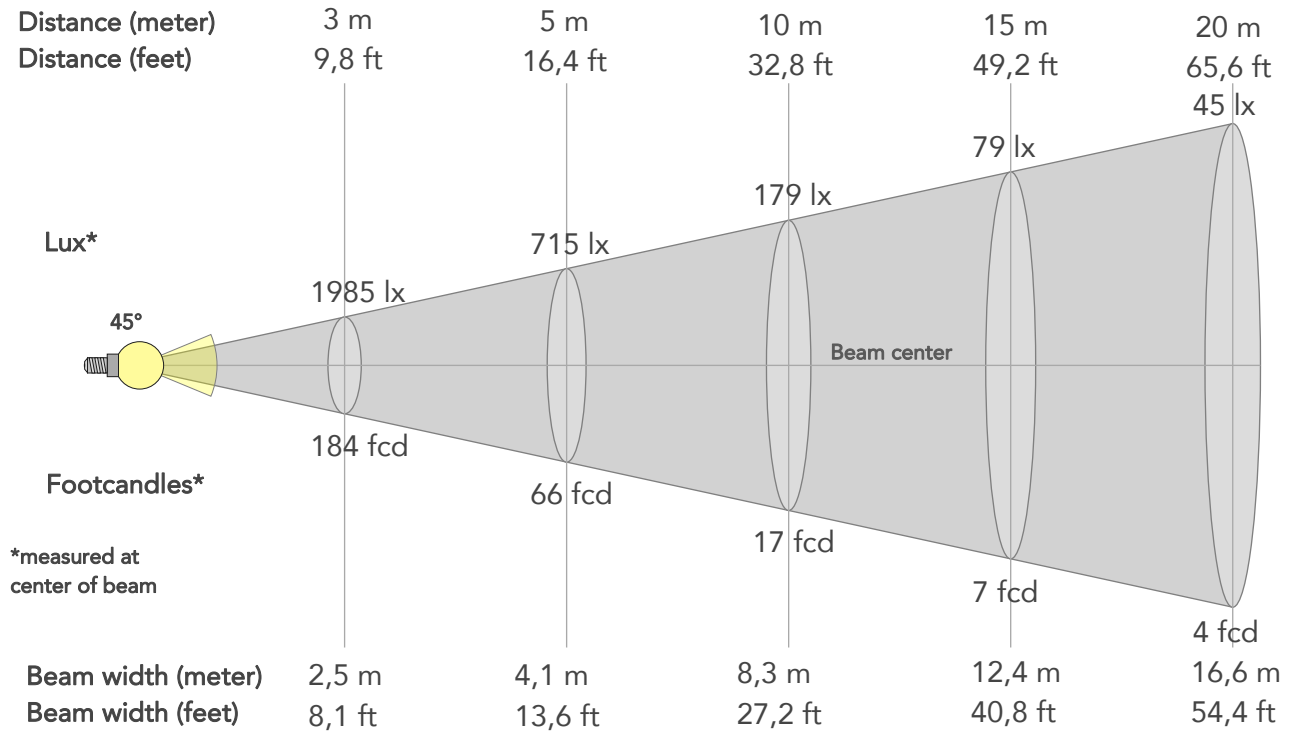
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	3%	0%
2	96	2%	-1%
3	94	1%	-3%
4	96	-2%	-2%
5	92	-5%	-1%
6	96	-1%	1%
7	98	0%	1%
8	95	0%	3%
9	93	0%	6%
10	91	1%	7%
11	89	2%	6%
12	97	1%	2%
13	95	3%	2%
14	96	0%	2%
15	86	11%	-3%
16	95	2%	1%



BEAM DETAILS



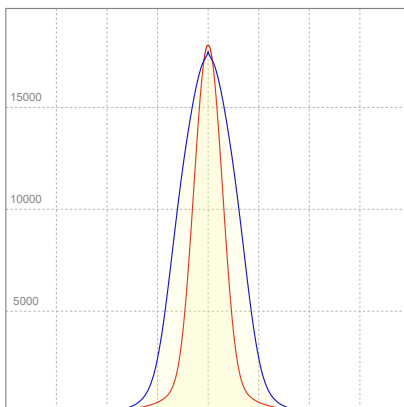
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45°	77,7°	113,2°	95,1%	86,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	17867lx	4467lx	1985lx	1117lx	715lx	318lx	179lx	79lx	45lx	29lx	20lx	11lx	7lx
Footcand.	1660fcd	415fcd	184fcd	104fcd	66fcd	30fcd	17fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,1m	6,2m	8,3m	12,4m	16,6m	20,7m	24,9m	33,2m	41,4m
Beam wid.	2,7ft	5,5ft	8,1ft	10,9ft	13,6ft	20,4ft	27,2ft	40,8ft	54,4ft	68ft	81,6ft	108,7ft	135,9ft

LINEAR DISTRIBUTION DIAGRAM

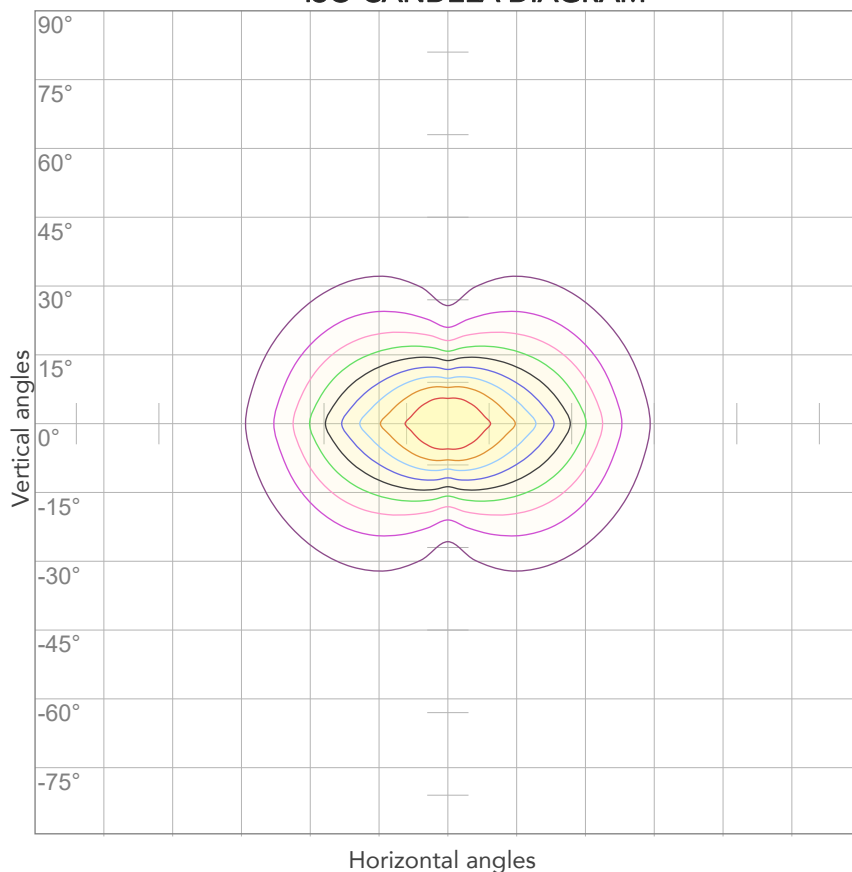


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,963A	206,5W	0,96	62lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



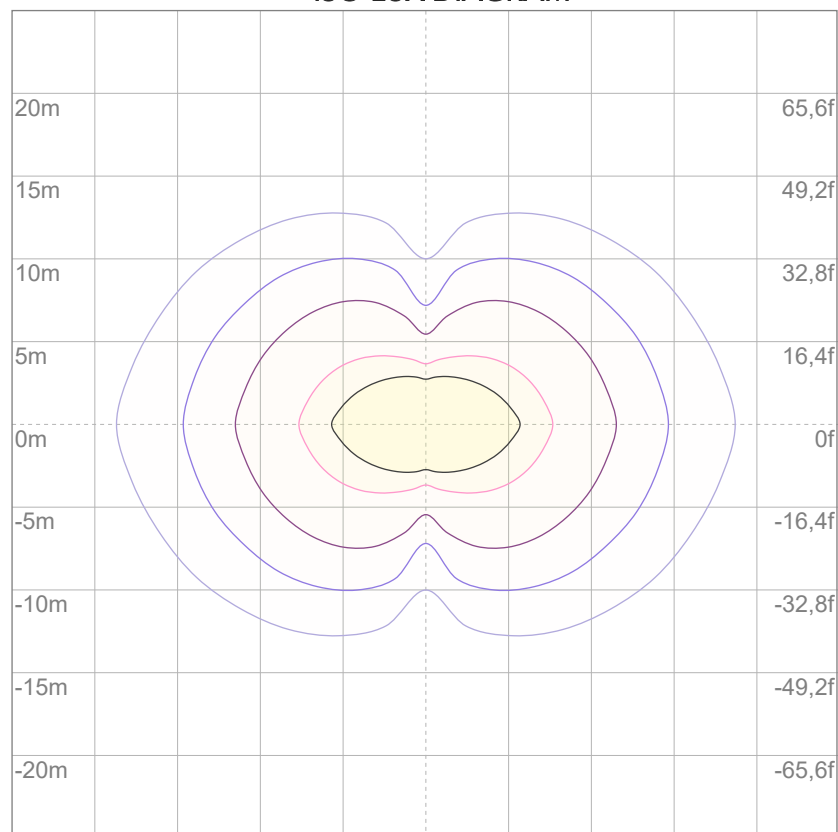
10%	1787 cd
20%	3573 cd
30%	5360 cd
40%	7147 cd
50%	8934 cd
60%	10720 cd
70%	12507 cd
80%	14294 cd

Conditions:

Number of c-planes: 4

Candela at center: 17867 cd

ISO LUX DIAGRAM



3%	5,36 lx
5%	8,93 lx
10%	17,9 lx
30%	53,6 lx
50%	89,3 lx

Conditions:

Number of c-planes: 4

Lux at center: 179 lx

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



Total lumen output:

10424 lm

Peak candela output:

216032 cd

Light quality:

CRI: 94,3

Color temperature:

2730 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

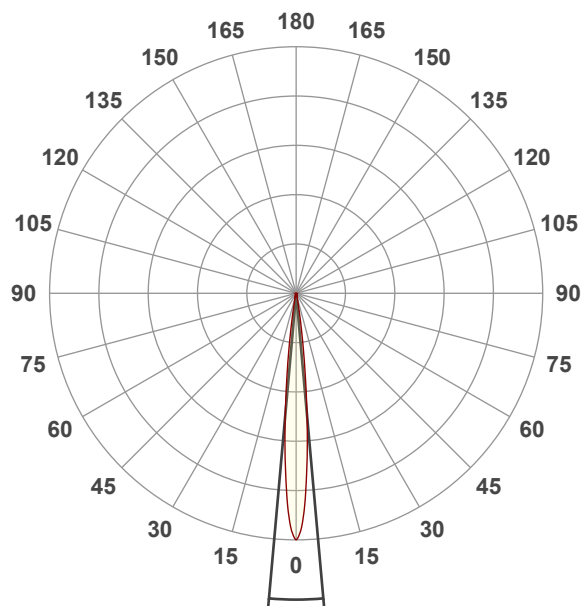
2700K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 13:15:14

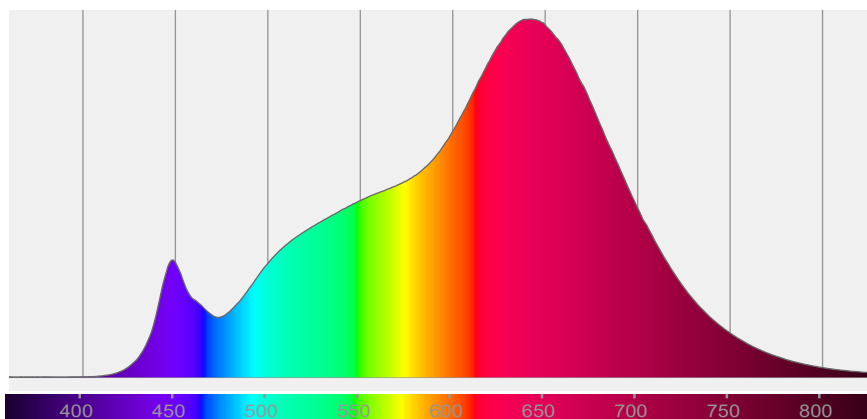


Beam angle 50%: 10,2°

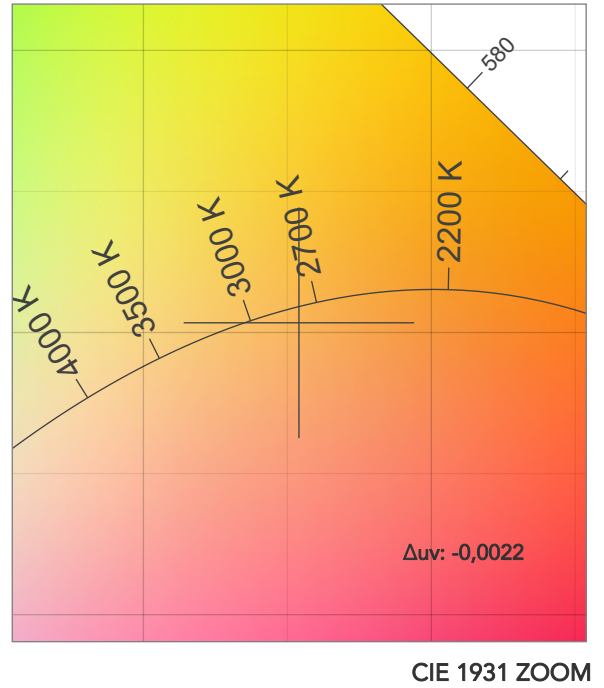
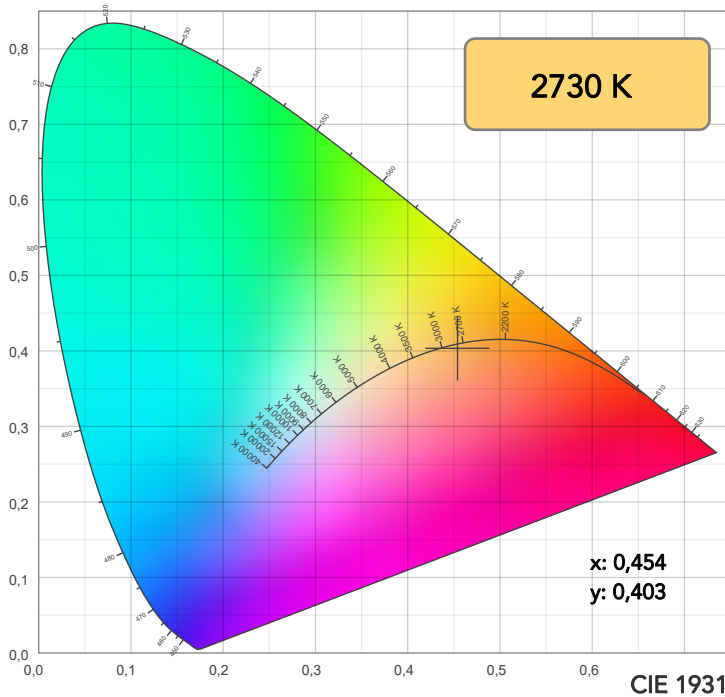
Field angle 10%: 18,4°

Cut off angle 2.5%: 25,2°

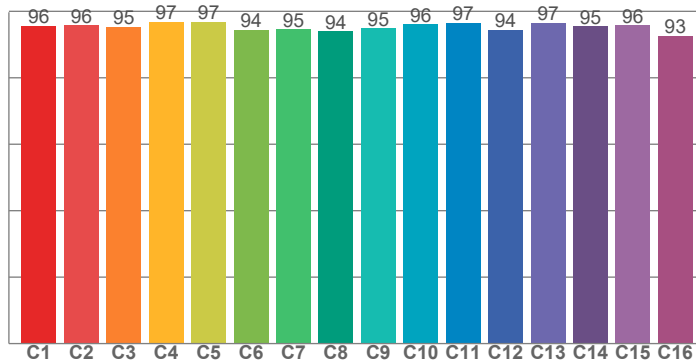
Spectra



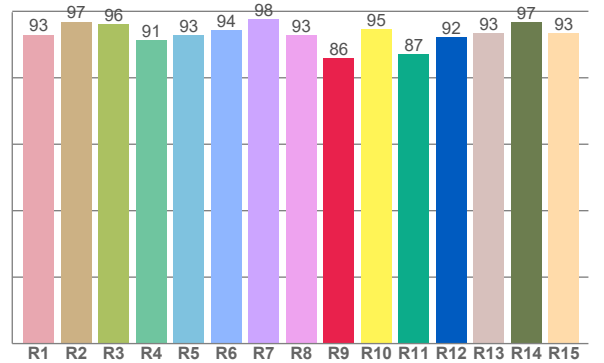
COLOR DETAILS



TM30: 95,5



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
92,9	96,9	96,0	91,2	92,8	94,3	97,7	92,8	86,0	94,6	87,0	92,2	93,5	96,6	93,3

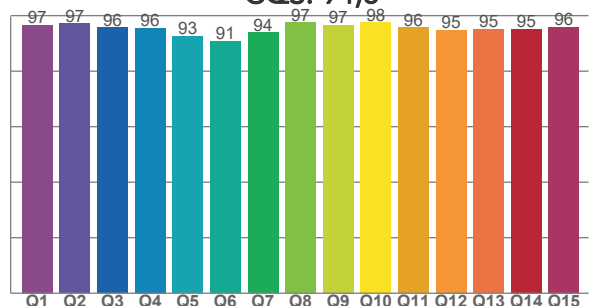
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,7	97,1	95,8	95,6	92,6	90,7	94,0	97,4	96,7	97,5	95,8	94,8	95,1	95,2	95,9

CQS: 94,8



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
2730 K	94,3	86,0	95,5	104,3	94,8	98	0,454	0,403	-0,0022

TM30 DETAILS

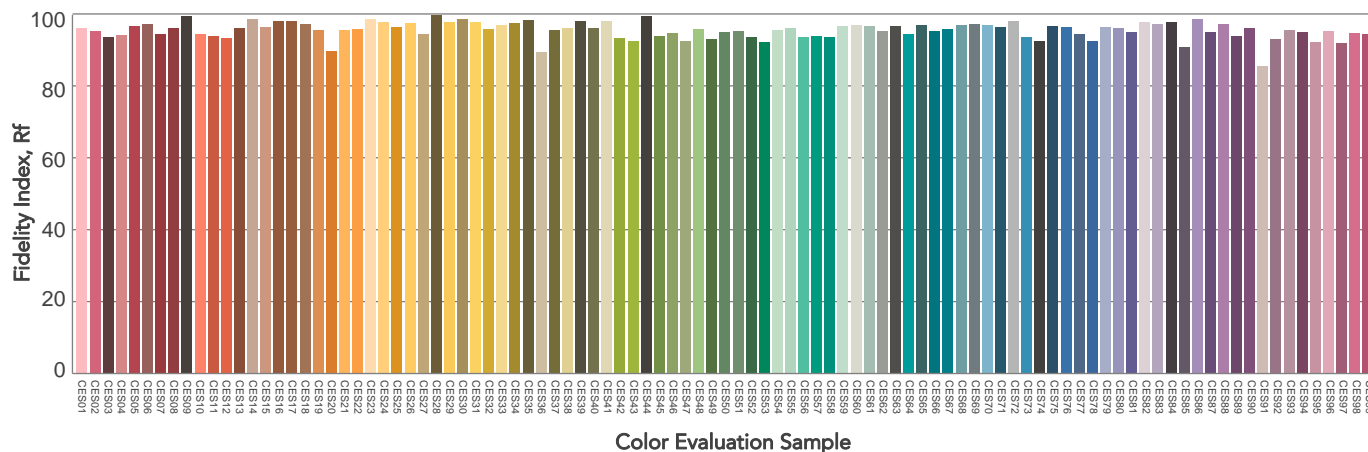
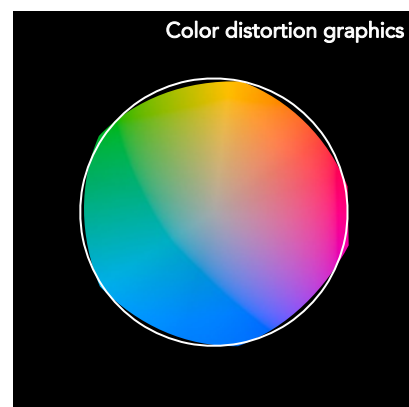
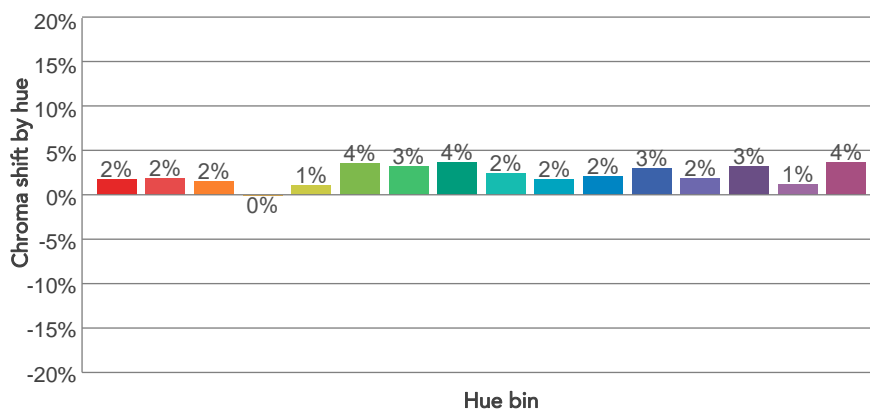
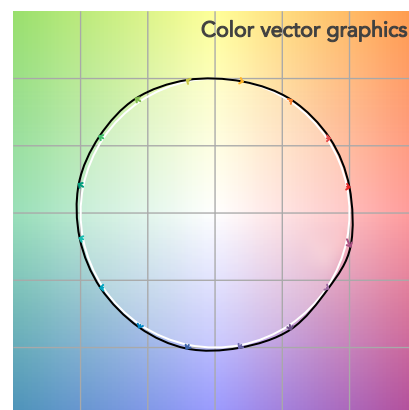
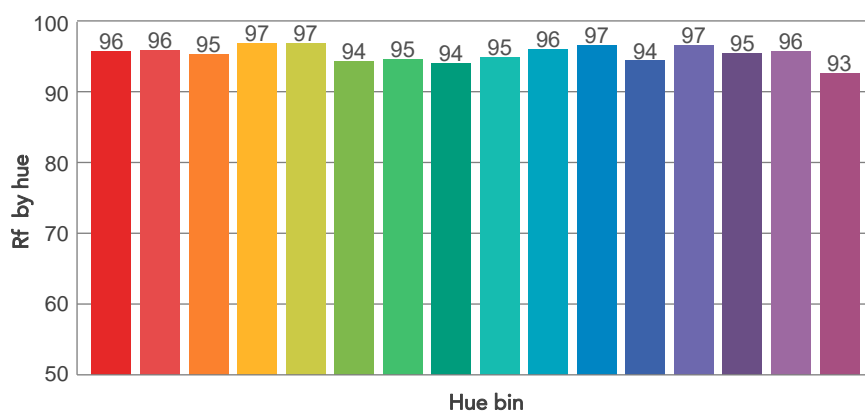
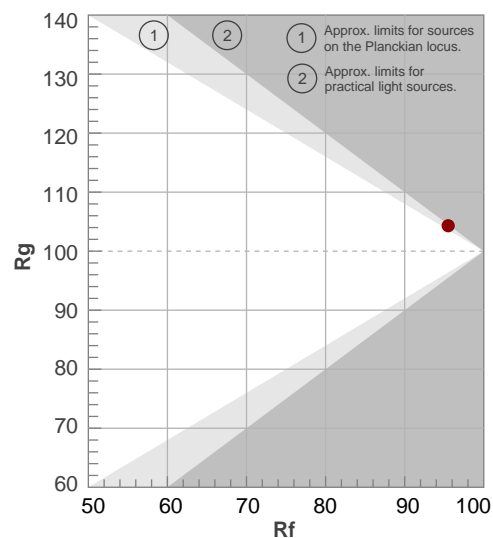
Rf 95,5

Fidelity index Rf

Rg 104,3

Gammut index

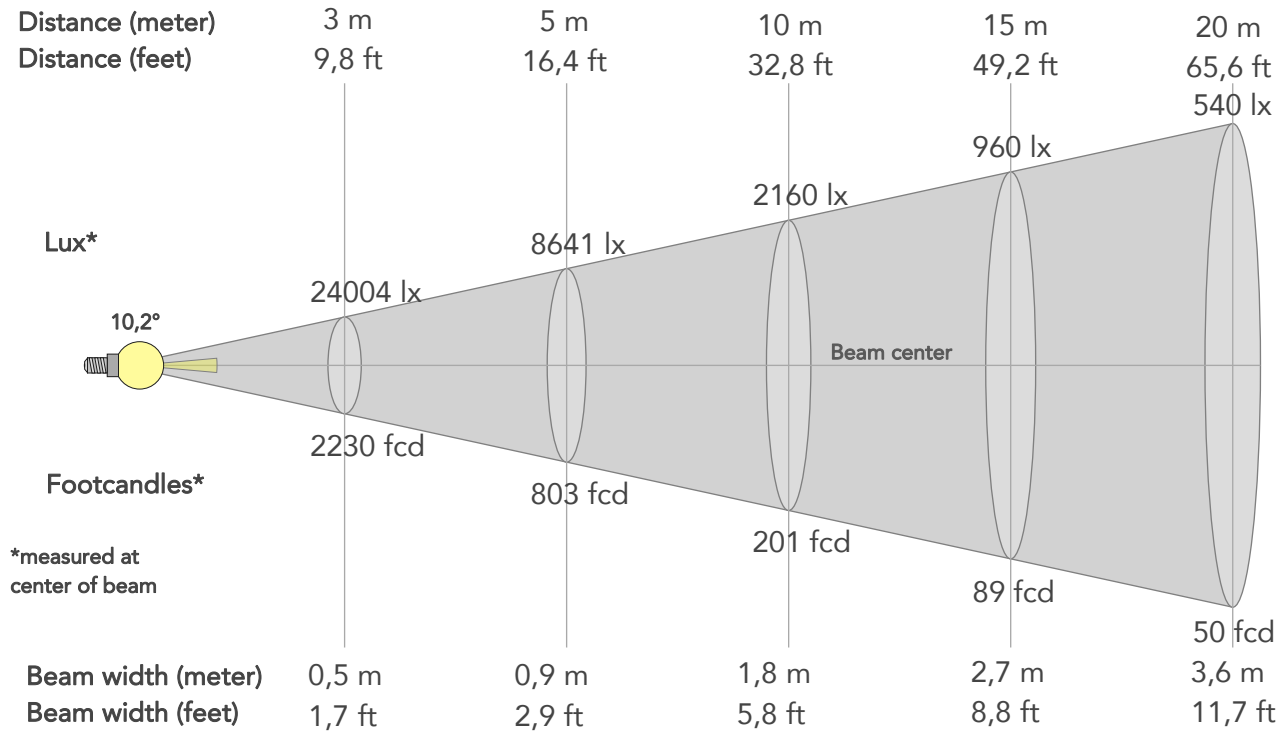
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	2%	-1%
2	96	2%	-1%
3	95	2%	-1%
4	97	0%	-1%
5	97	1%	1%
6	94	4%	2%
7	95	3%	0%
8	94	4%	-1%
9	95	2%	-1%
10	96	2%	-1%
11	97	2%	0%
12	94	3%	-1%
13	97	2%	-2%
14	95	3%	-1%
15	96	1%	0%
16	93	4%	-5%



BEAM DETAILS



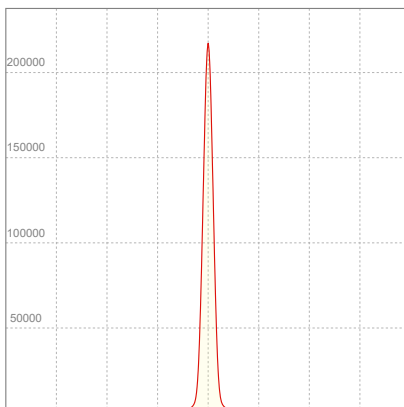
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,2°	18,4°	25,2°	96,1%	92,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	216032lx	54008lx	24004lx	13502lx	8641lx	3841lx	2160lx	960lx	540lx	346lx	240lx	135lx	86lx
Footcand.	20070fcd	5018fcd	2230fcd	1254fcd	803fcd	357fcd	201fcd	89fcd	50fcd	32fcd	22fcd	13fcd	8fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,7m	3,6m	4,5m	5,3m	7,1m	8,9m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,4ft	5,8ft	8,8ft	11,7ft	14,6ft	17,5ft	23,4ft	29,2ft

LINEAR DISTRIBUTION DIAGRAM

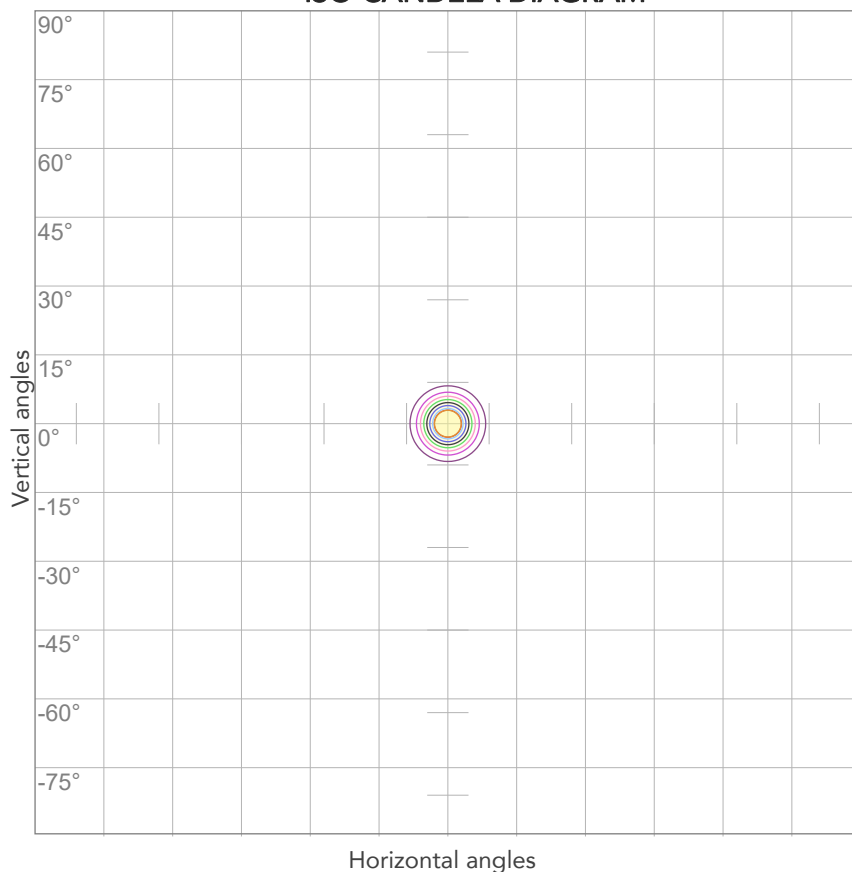


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	1,04A	224,3W	0,96	46lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



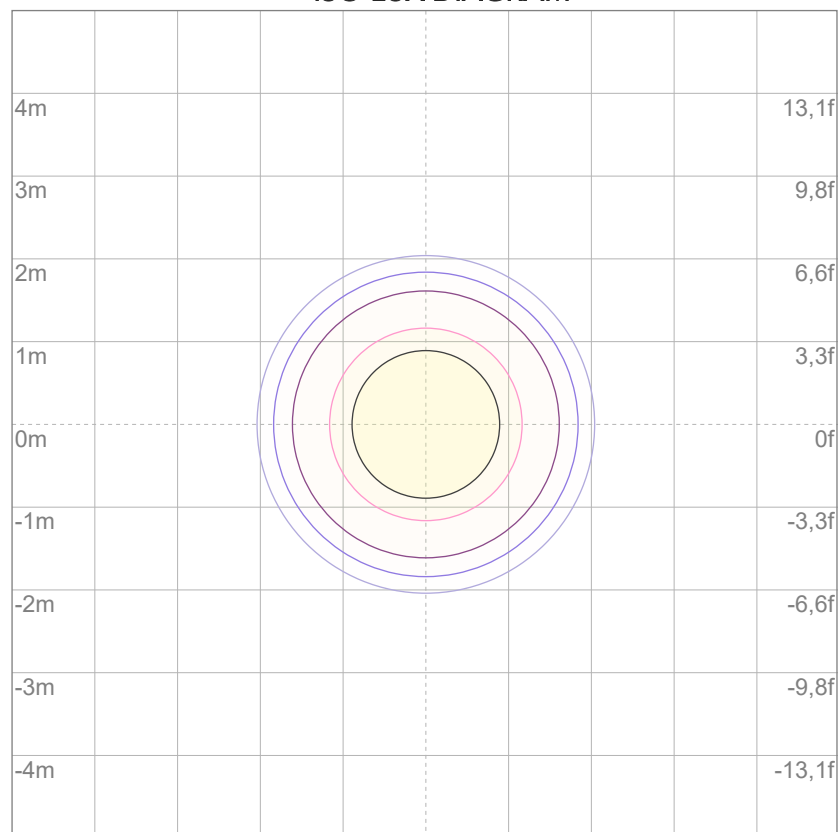
10%	21603 cd
20%	43206 cd
30%	64810 cd
40%	86413 cd
50%	108016 cd
60%	129619 cd
70%	151223 cd
80%	172826 cd

Conditions:

Number of c-planes: 2

Candela at center: 216032 cd

ISO LUX DIAGRAM



3%	64,8 lx
5%	108 lx
10%	216 lx
30%	648 lx
50%	1080 lx

Conditions:

Number of c-planes: 2

Lux at center: 2160 lx

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



Total lumen output:

9621 lm

Peak candela output:

37816 cd

Light quality:

CRI: 94,2

Color temperature:

2710 K

PRODUCT NAME:

ARCSPOTXLW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

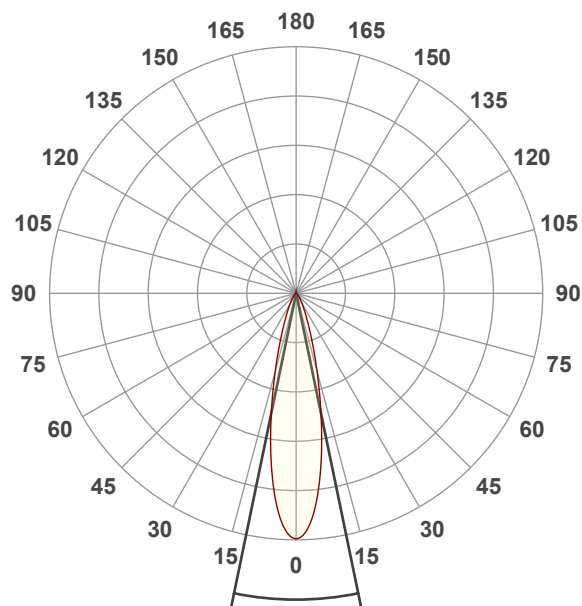
2700K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 14:48:12

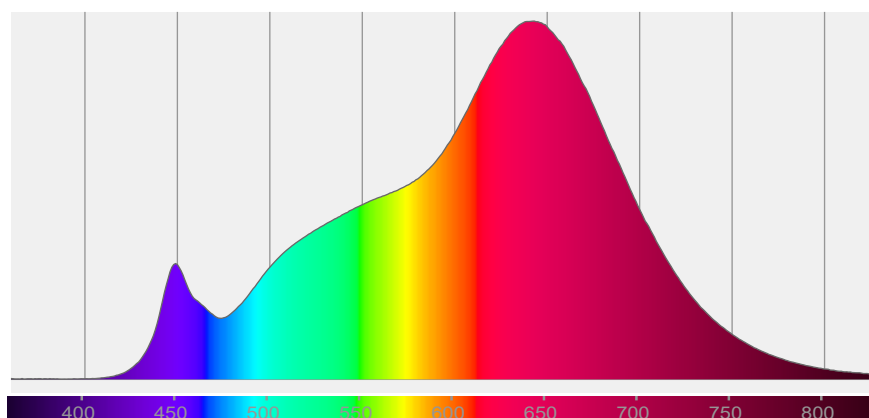


Beam angle 50%: 23,4°

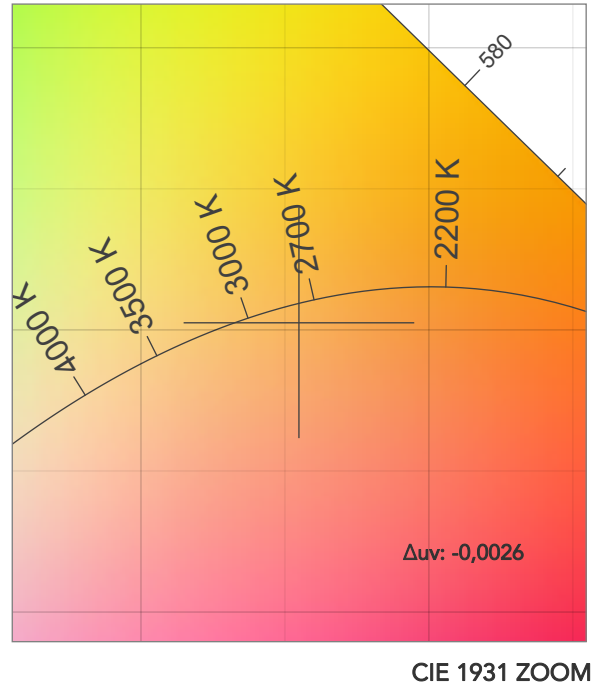
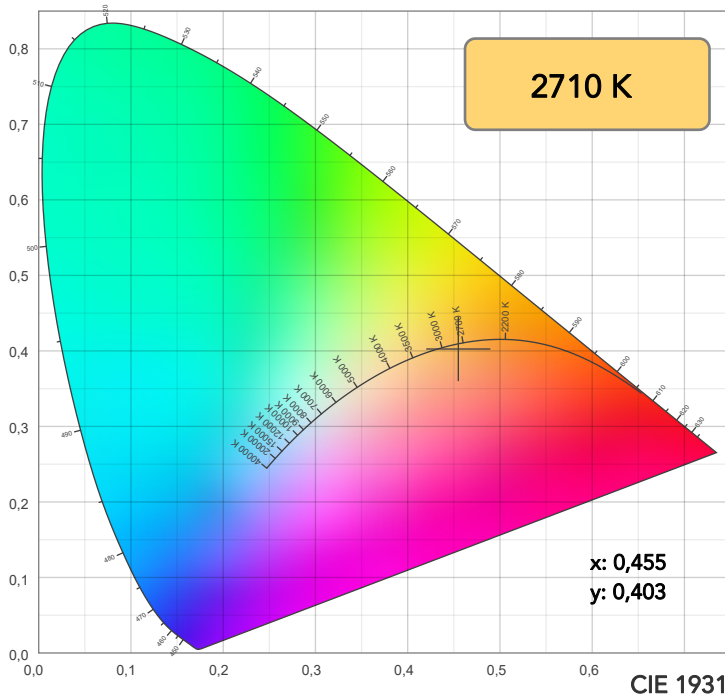
Field angle 10%: 47,5°

Cut off angle 2.5%: 72,7°

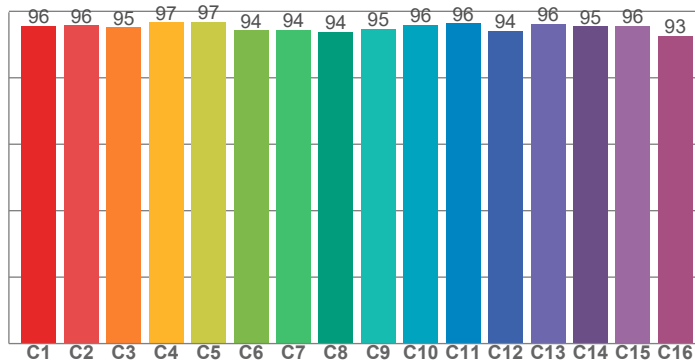
Spectra



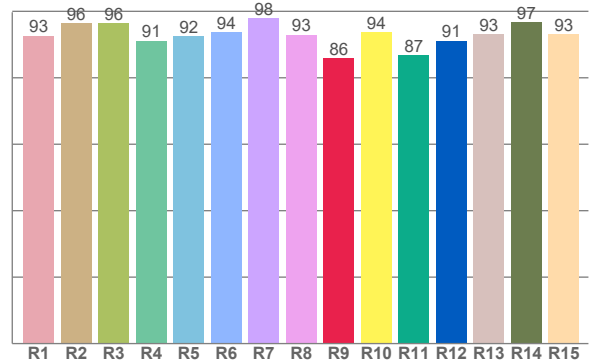
COLOR DETAILS



TM30: 95,4



CRI: 94,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92,6	96,5	96,4	91,1	92,4	93,6	97,9	92,9	85,9	93,8	86,8	91,1	93,1	96,8	93,1

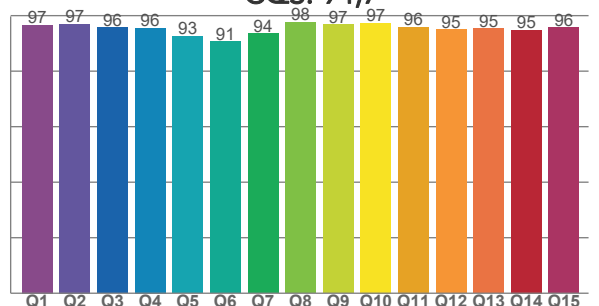
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,6	96,9	95,7	95,6	92,6	90,7	93,6	97,6	96,7	97,4	95,9	95,0	95,3	94,9	95,7

CQS: 94,7



COLOR PARAMETERS

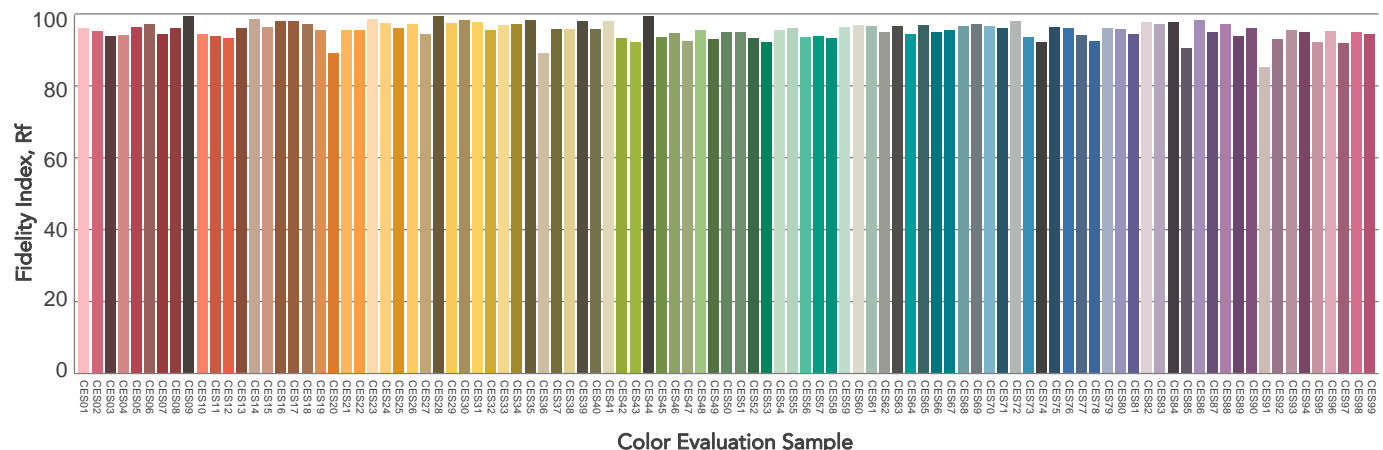
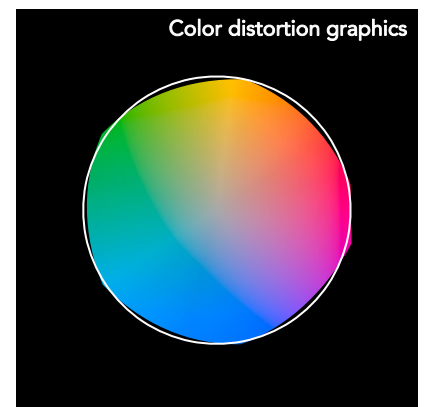
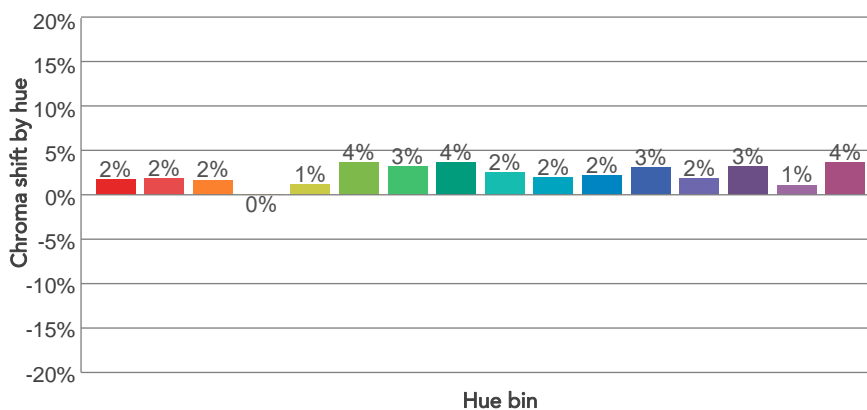
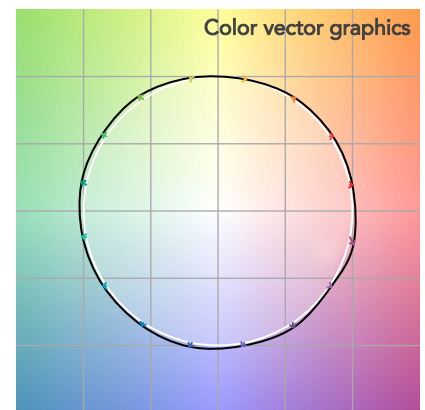
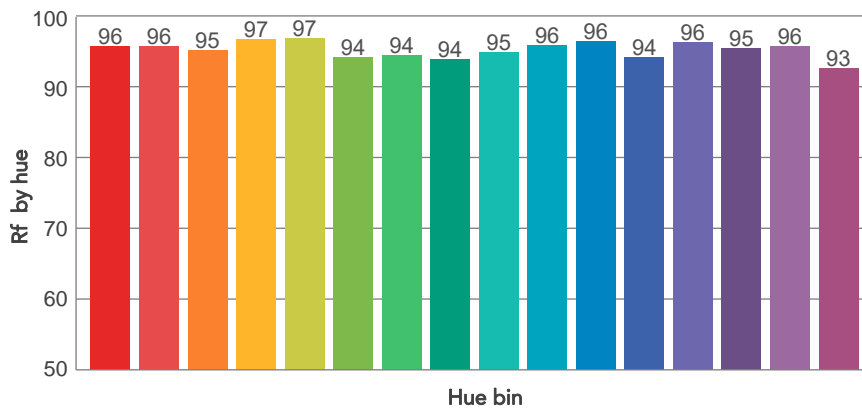
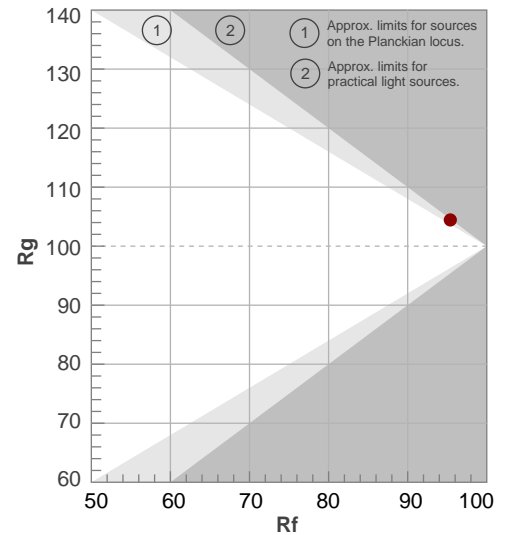
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2710 K	94,2	85,9	95,4	104,4	94,7	98	0,455	0,403	-0,0026

TM30 DETAILS

Rf 95,4
Fidelity index Rf

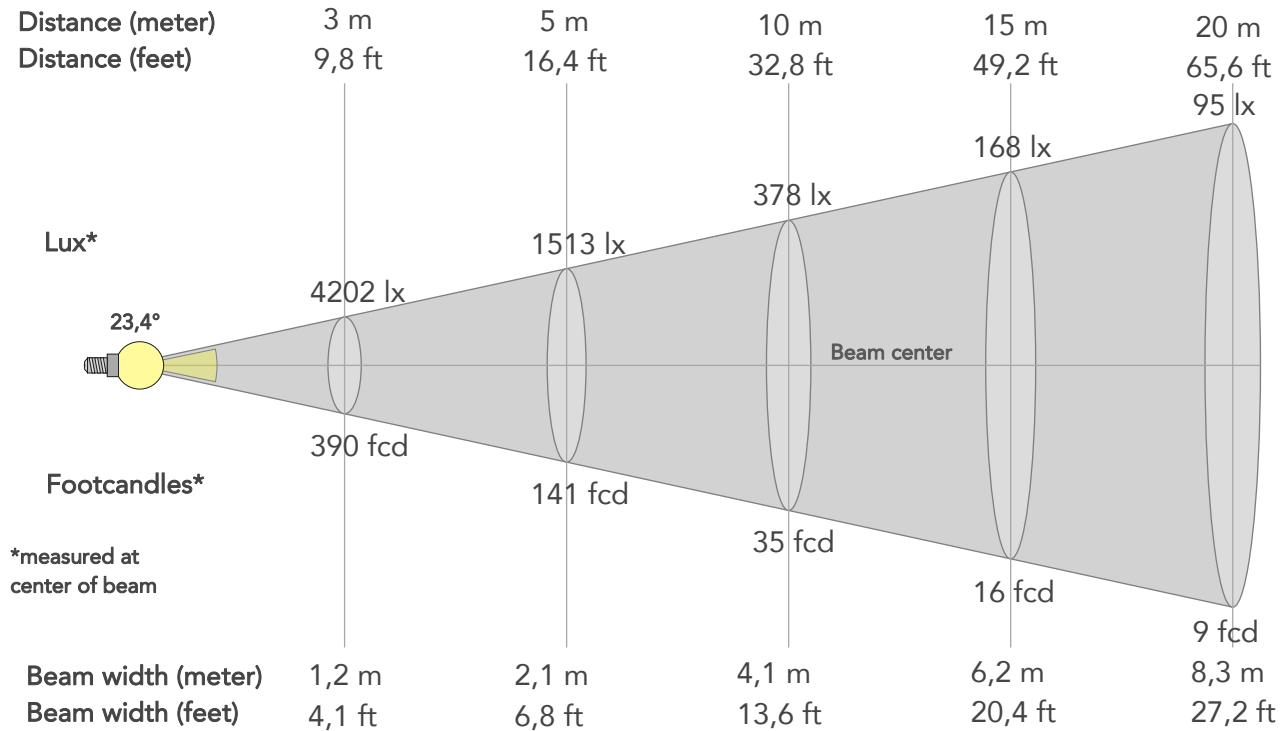
Rg 104,4
Gammut index

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



BEAM DETAILS

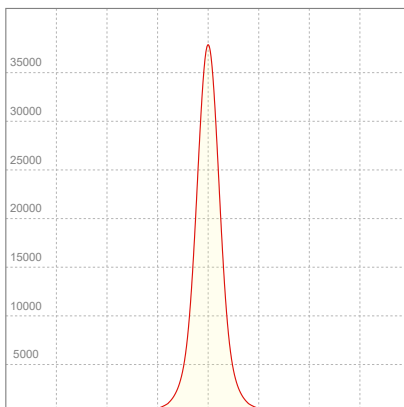
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	47,5°	72,7°	95,9%	91,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	37816lx	9454lx	4202lx	2364lx	1513lx	672lx	378lx	168lx	95lx	61lx	42lx	24lx	15lx
Footcand.	3513fcd	878fcd	390fcd	220fcd	141fcd	62fcd	35fcd	16fcd	9fcd	6fcd	4fcd	2fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,4m	12,4m	16,6m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34ft	40,7ft	54,3ft	67,9ft

LINEAR DISTRIBUTION DIAGRAM

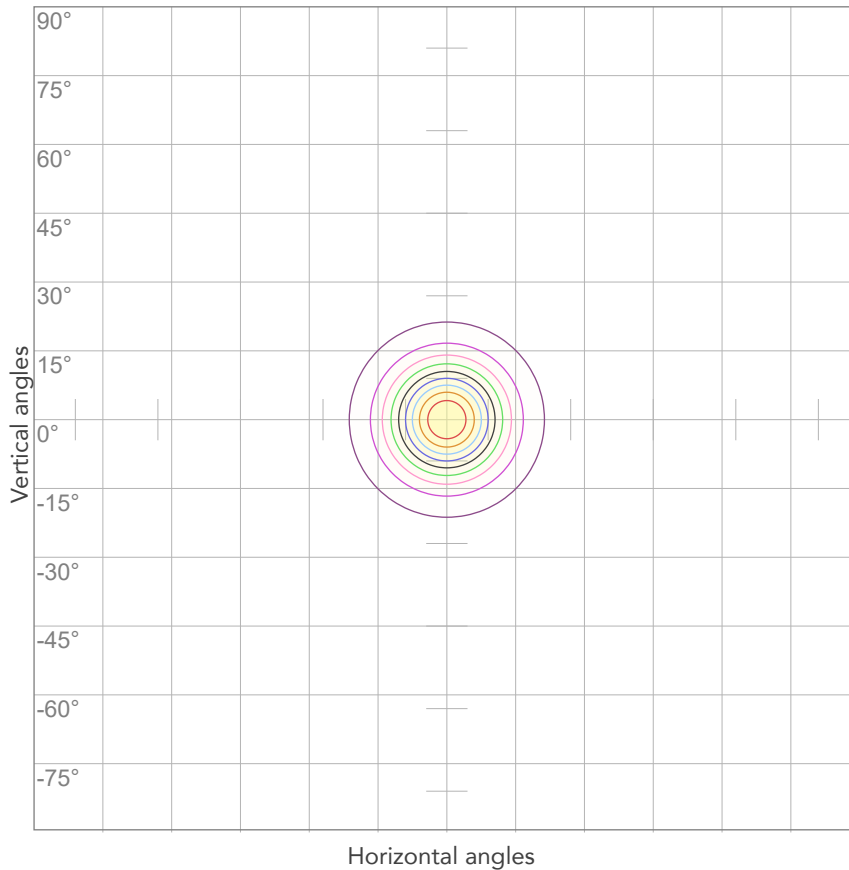


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	1,03A	222,4W	0,96	43lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



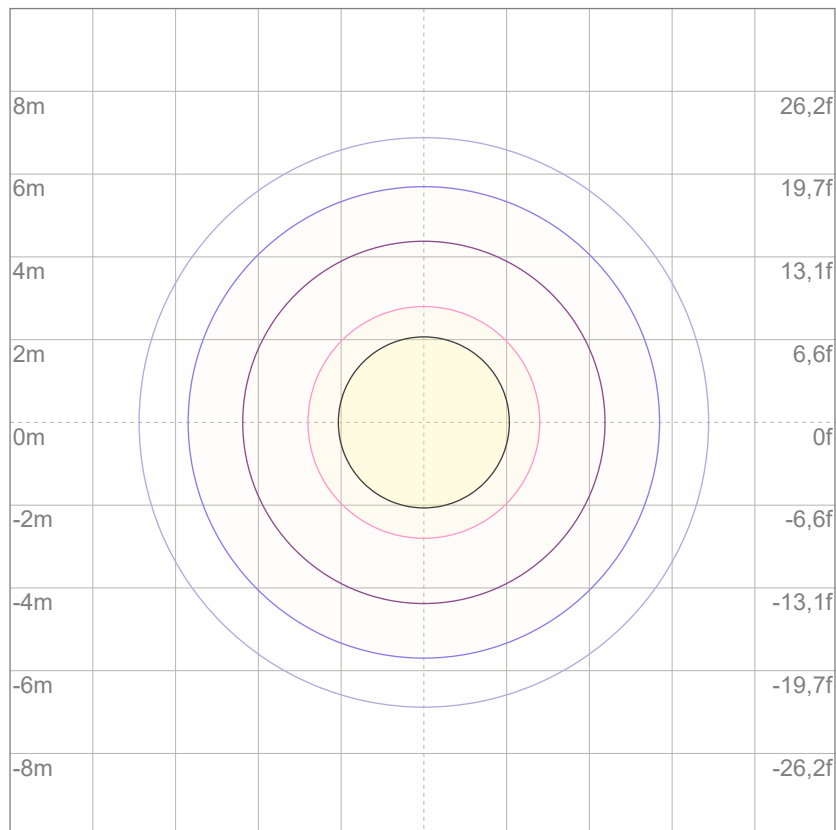
10%	3782 cd
20%	7563 cd
30%	11345 cd
40%	15126 cd
50%	18908 cd
60%	22690 cd
70%	26471 cd
80%	30253 cd

Conditions:

Number of c-planes: 2

Candela at center: 37816 cd

ISO LUX DIAGRAM



3%	11,3 lx
5%	18,9 lx
10%	37,8 lx
30%	113 lx
50%	189 lx

Conditions:

Number of c-planes: 2

Lux at center: 378 lx

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



Total lumen output:

8951 lm

Peak candela output:

11714 cd

Light quality:

CRI: 94,1

Color temperature:

2715 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

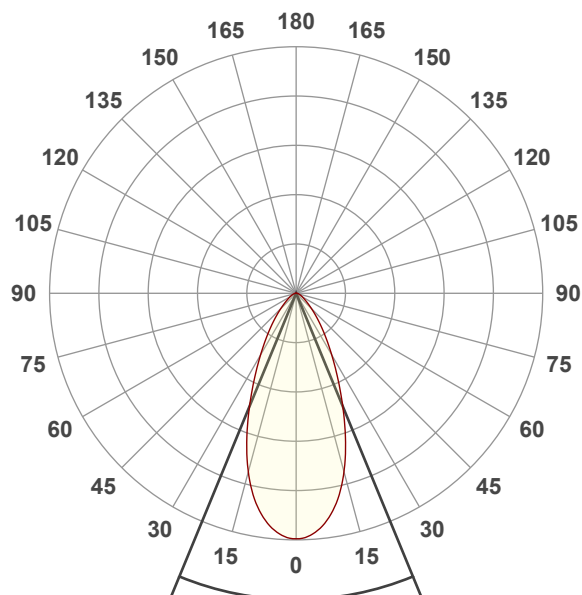
2700K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 15:41:05

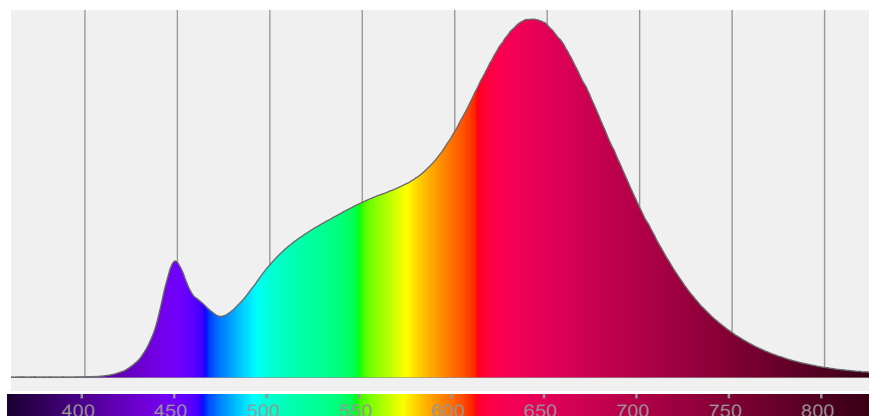


Beam angle 50%: 44,8°

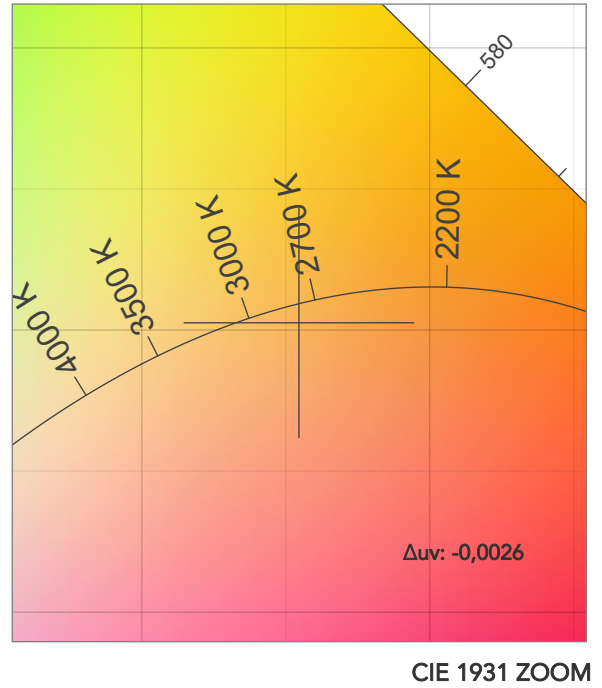
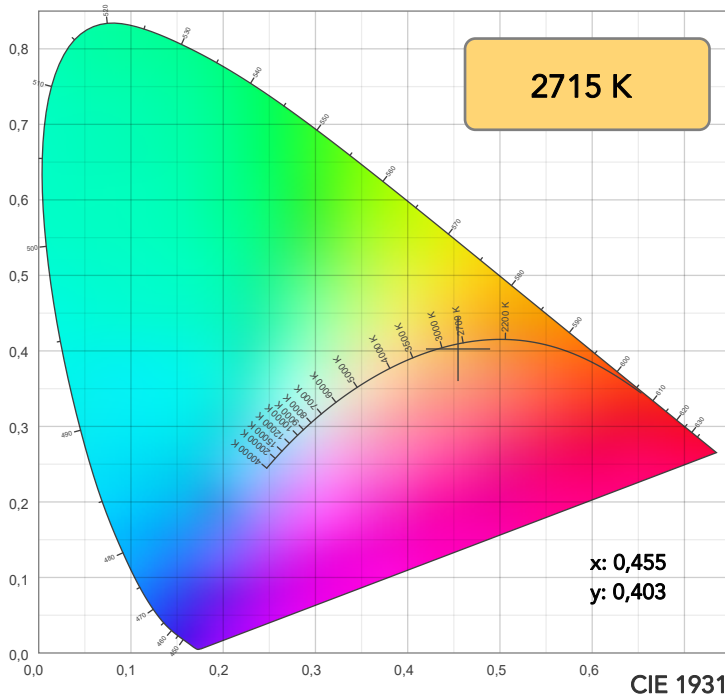
Field angle 10%: 87,3°

Cut off angle 2.5%: 125,2°

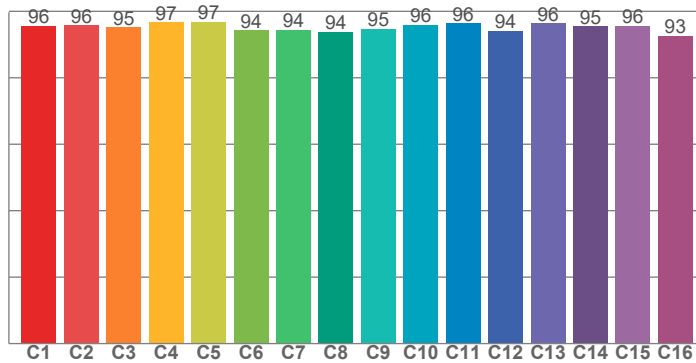
Spectra



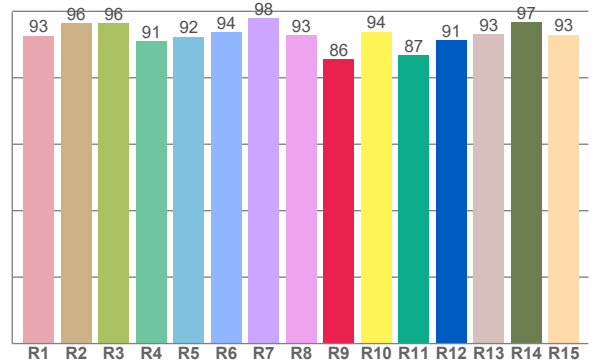
COLOR DETAILS



TM30: 95,4



CRI: 94,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92,6	96,5	96,3	91,0	92,4	93,7	97,9	92,8	85,6	93,8	86,7	91,2	93,1	96,8	93,0

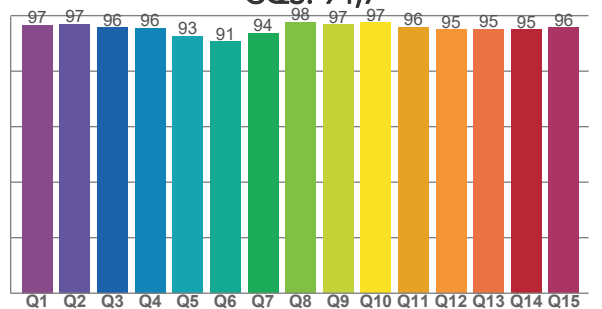
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,6	97,0	95,7	95,6	92,6	90,7	93,7	97,6	96,7	97,4	95,8	95,0	95,3	94,9	95,7

CQS: 94,7



COLOR PARAMETERS

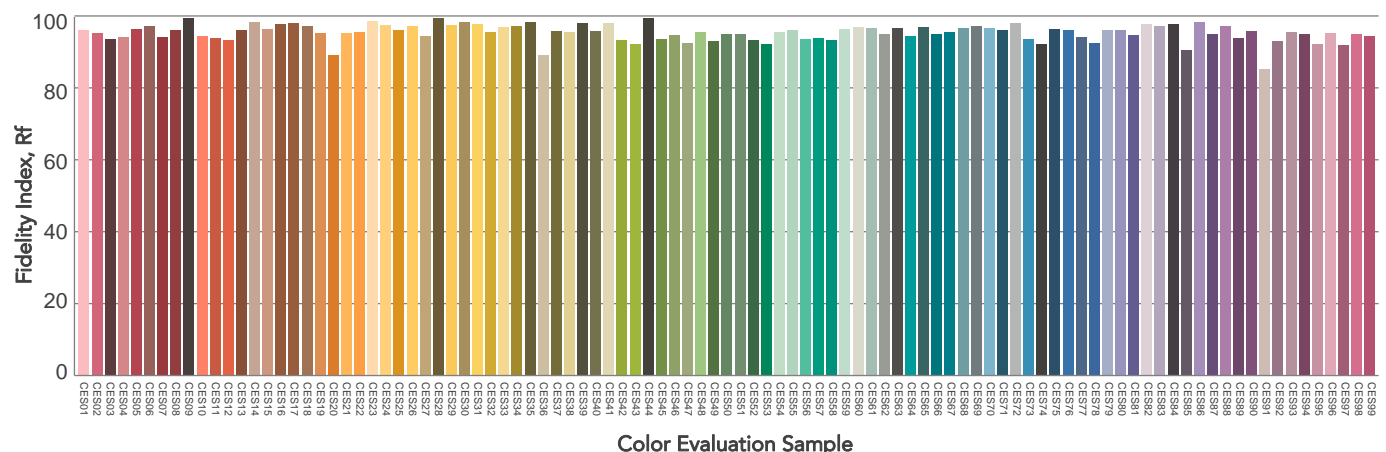
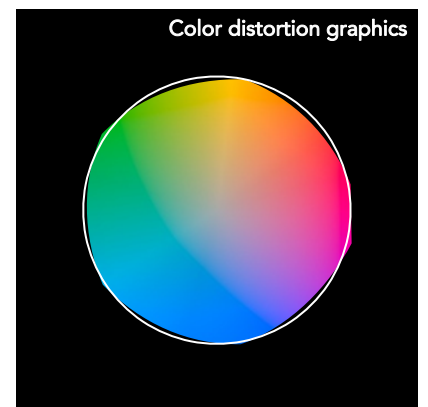
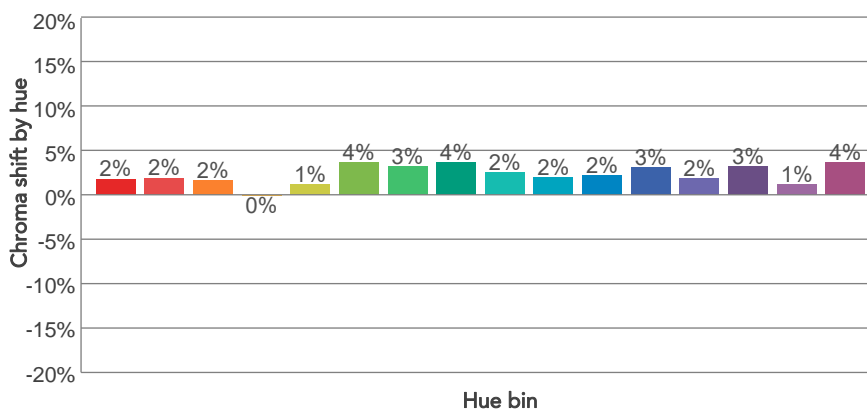
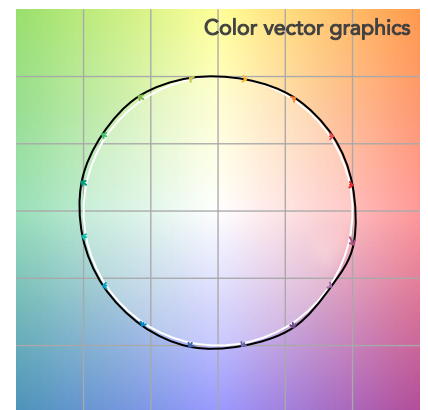
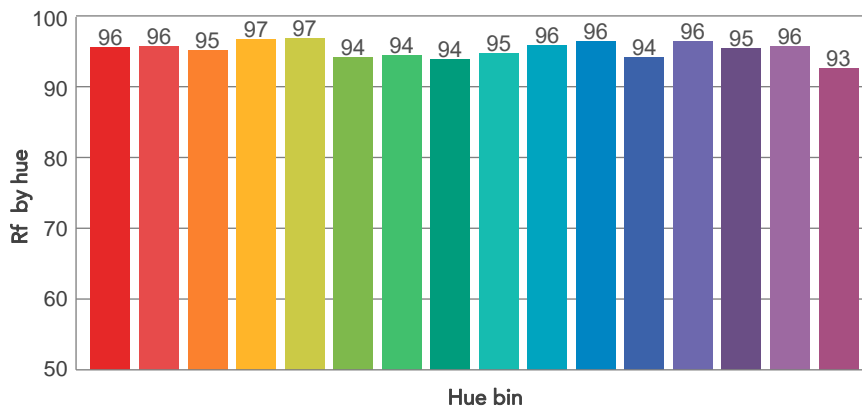
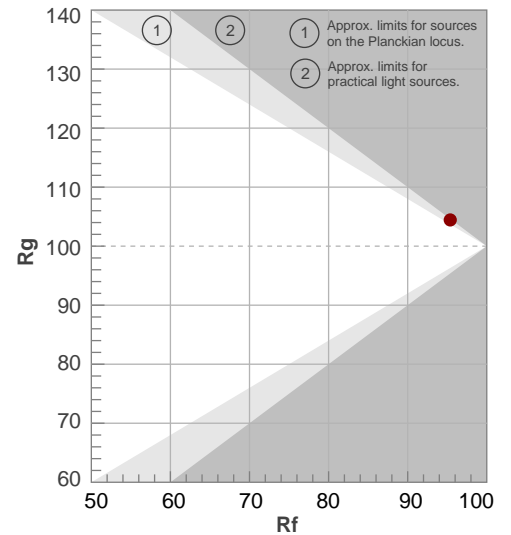
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2715 K	94,1	85,6	95,4	104,4	94,7	98	0,455	0,403	-0,0026

TM30 DETAILS

Rf 95,4
Fidelity index Rf

Rg 104,4
Gammut index

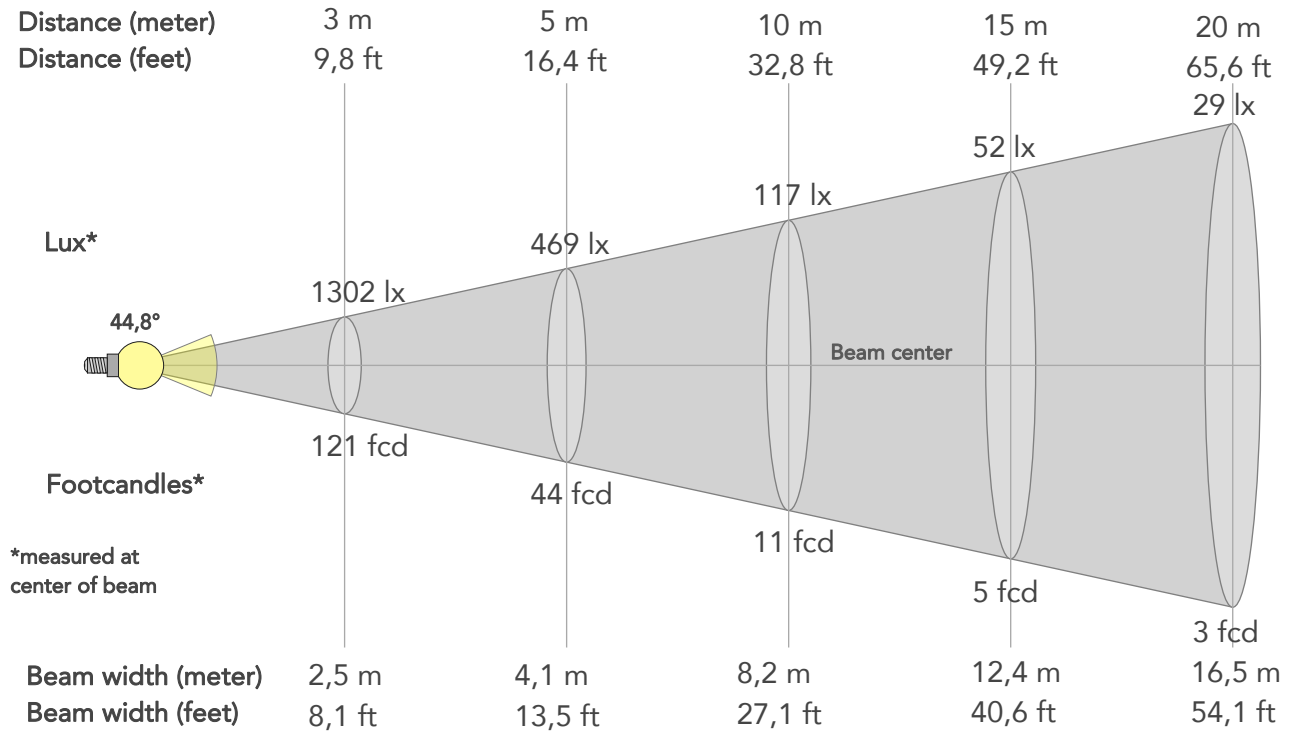
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	2%	-1%
2	96	2%	-1%
3	95	2%	-1%
4	97	0%	-1%
5	97	1%	1%
6	94	4%	2%
7	94	3%	0%
8	94	4%	-2%
9	95	2%	-1%
10	96	2%	-1%
11	96	2%	0%
12	94	3%	-1%
13	96	2%	-2%
14	95	3%	-1%
15	96	1%	0%
16	93	4%	-5%



BEAM DETAILS



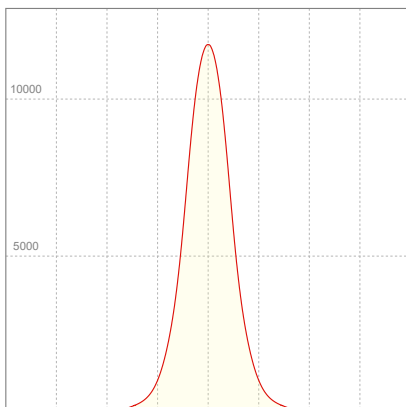
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,8°	87,3°	125,2°	94,7%	86,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	11714lx	2929lx	1302lx	732lx	469lx	208lx	117lx	52lx	29lx	19lx	13lx	7lx	5lx
Footcand.	1088fcd	272fcd	121fcd	68fcd	44fcd	19fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,4m	16,5m	20,6m	24,7m	33m	41,2m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,3ft	27,1ft	40,6ft	54,1ft	67,6ft	81,2ft	108,2ft	135,3ft

LINEAR DISTRIBUTION DIAGRAM

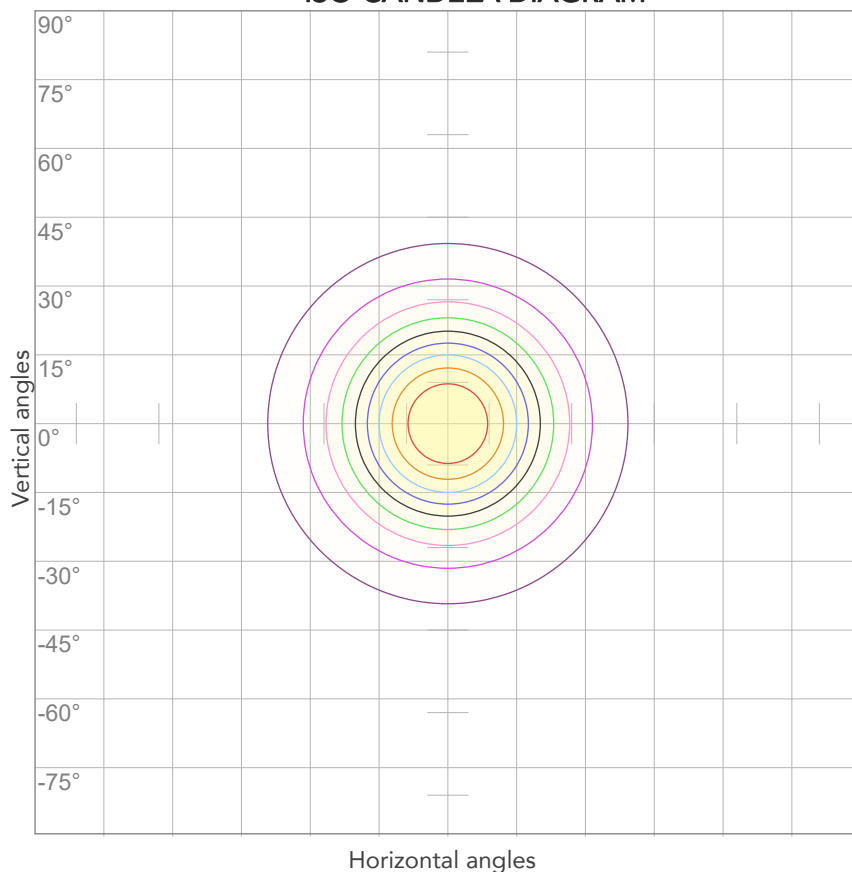


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	1,03A	222,6W	0,96	40lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



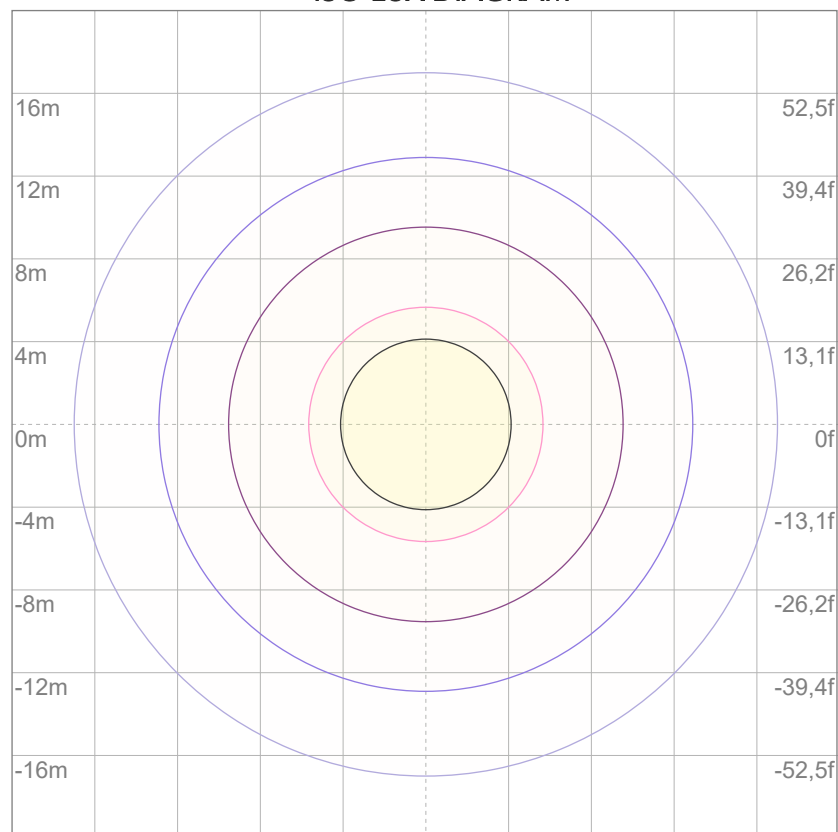
10%	1171 cd
20%	2343 cd
30%	3514 cd
40%	4686 cd
50%	5857 cd
60%	7028 cd
70%	8200 cd
80%	9371 cd

Conditions:

Number of c-planes: 2

Candela at center: 11714 cd

ISO LUX DIAGRAM



3%	3,51 lx
5%	5,86 lx
10%	11,7 lx
30%	35,1 lx
50%	58,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 117 lx

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



Total lumen output:

8766 lm

Peak candela output:

7810 cd

Light quality:

CRI: 94,0

Color temperature:

2699 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

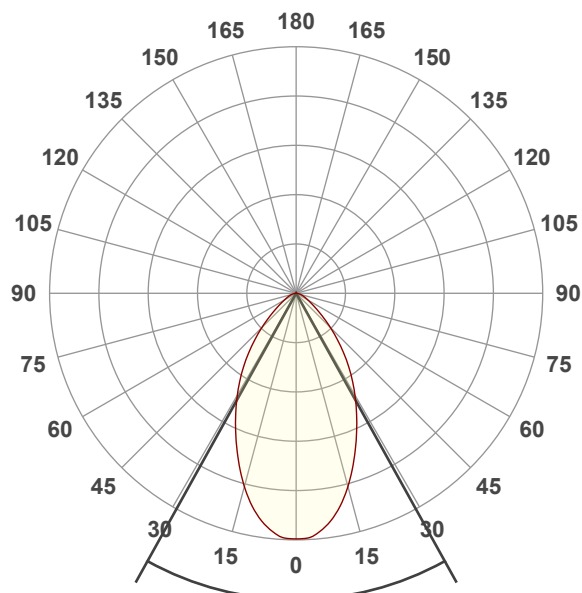
2700K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 16:03:26

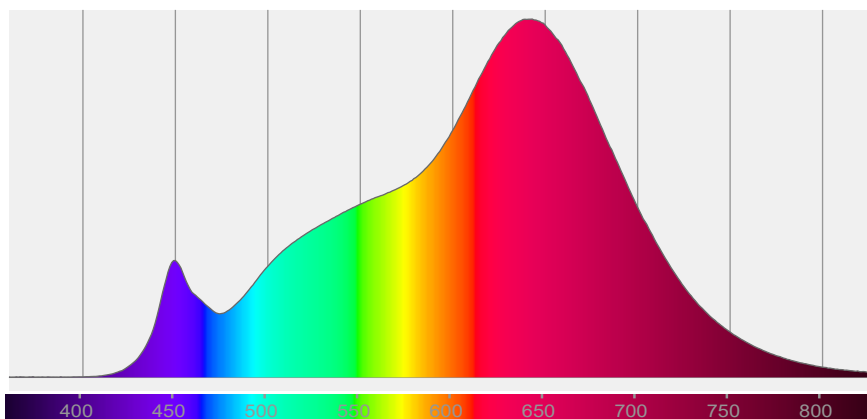


Beam angle 50%: 58,1°

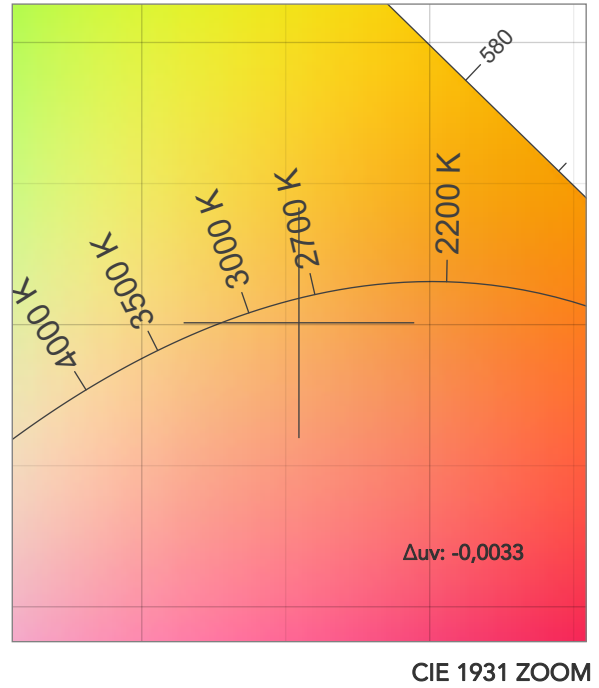
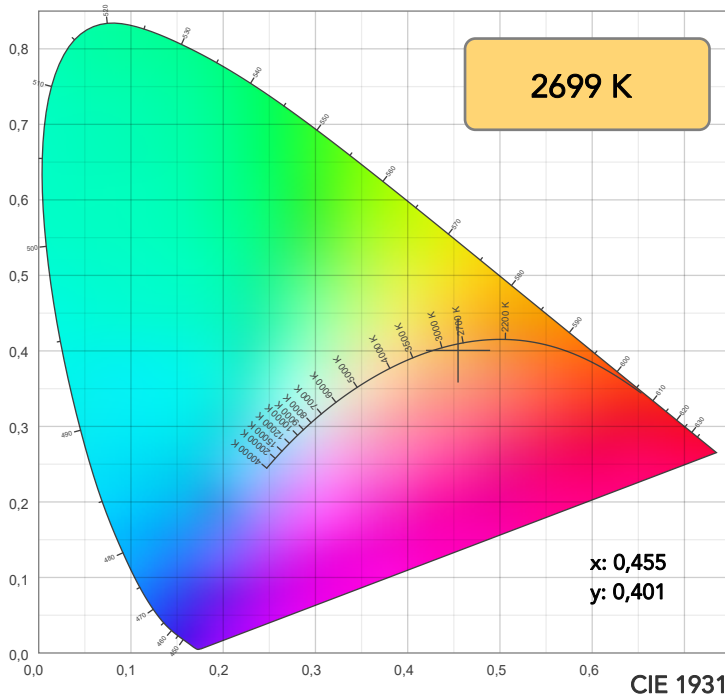
Field angle 10%: 105,9°

Cut off angle 2.5%: 143,5°

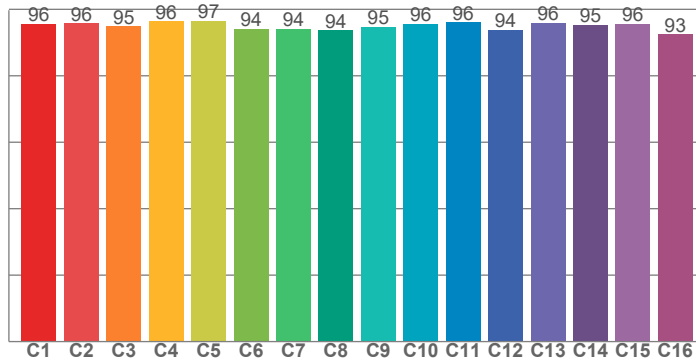
Spectra



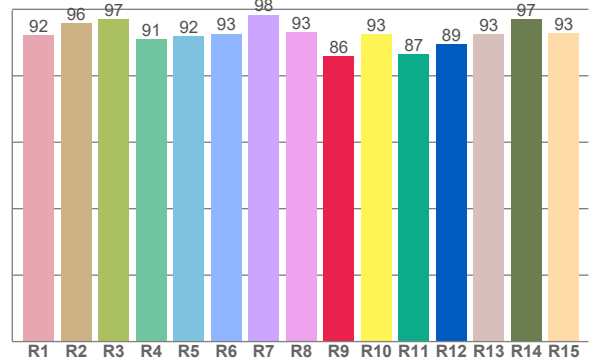
COLOR DETAILS



TM30: 95,2



CRI: 94,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92,3	95,9	97,0	91,0	91,9	92,7	98,3	93,2	85,8	92,6	86,5	89,4	92,5	97,1	92,7

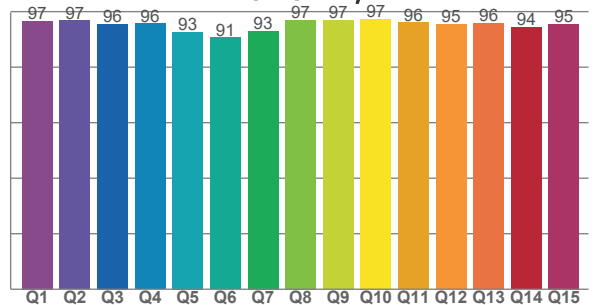
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,6	96,8	95,6	95,7	92,7	90,6	93,1	97,0	96,9	97,3	96,1	95,4	95,8	94,4	95,5

CQS: 94,7



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2699 K	94,0	85,8	95,2	104,7	94,7	98	0,455	0,401	-0,0033

TM30 DETAILS

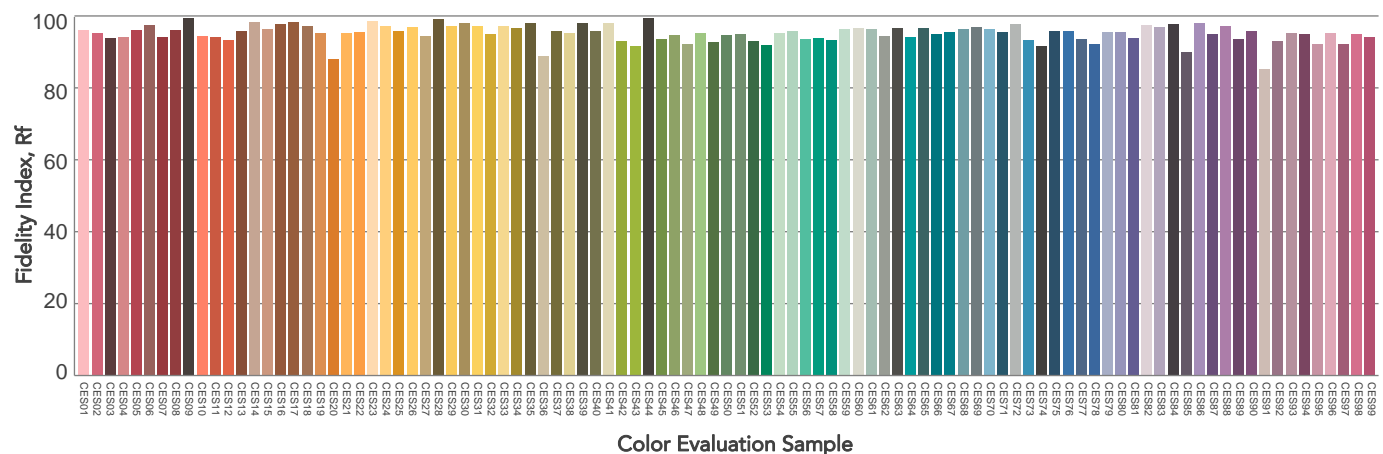
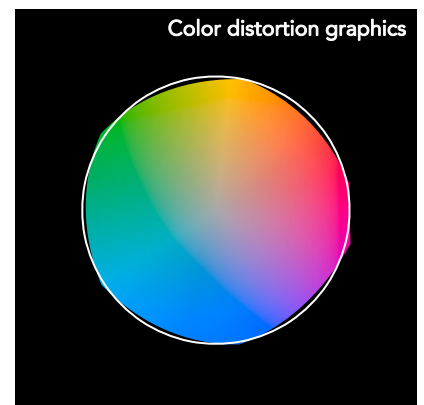
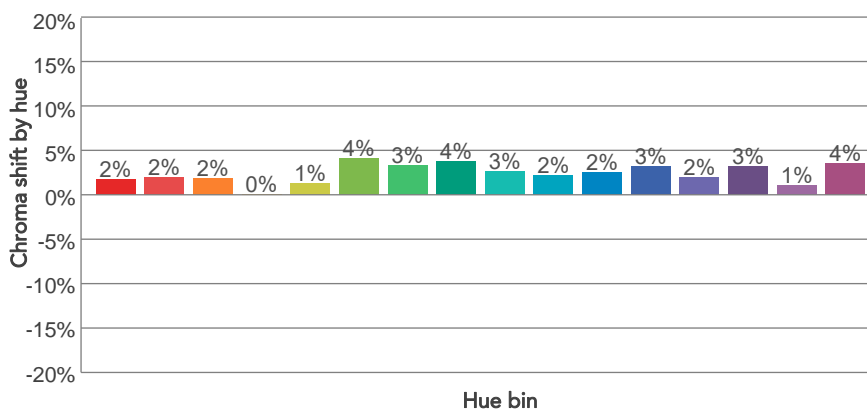
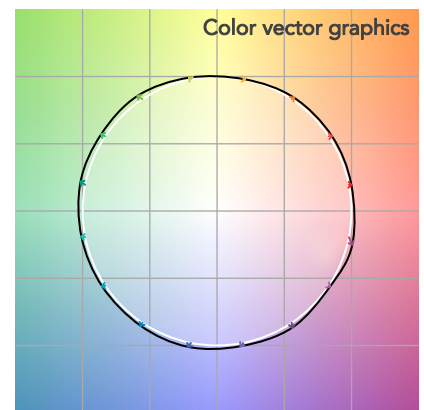
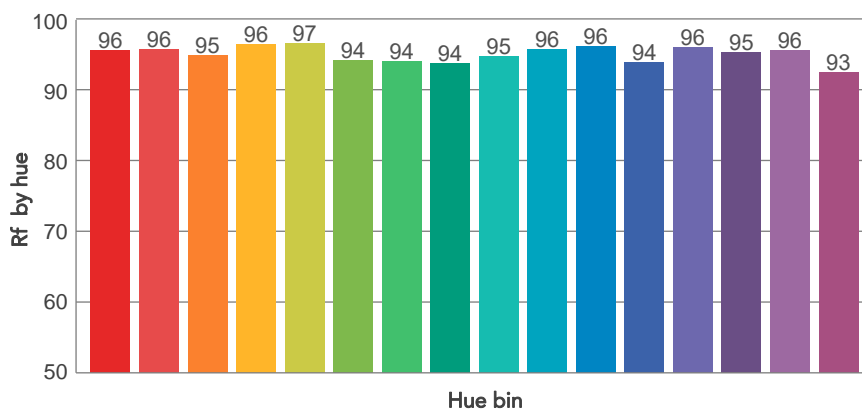
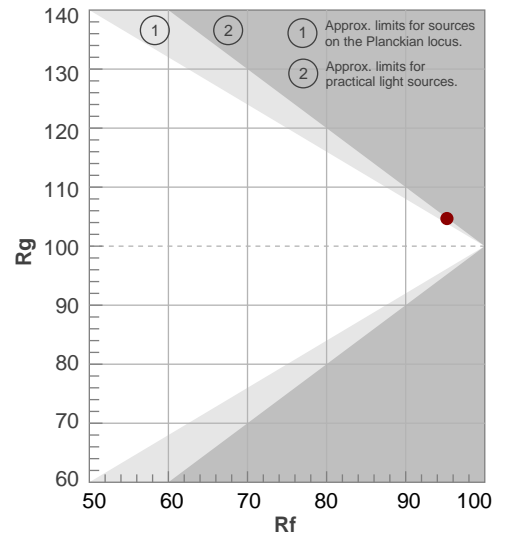
Rf 95,2

Fidelity index R_f

Rg 104,7

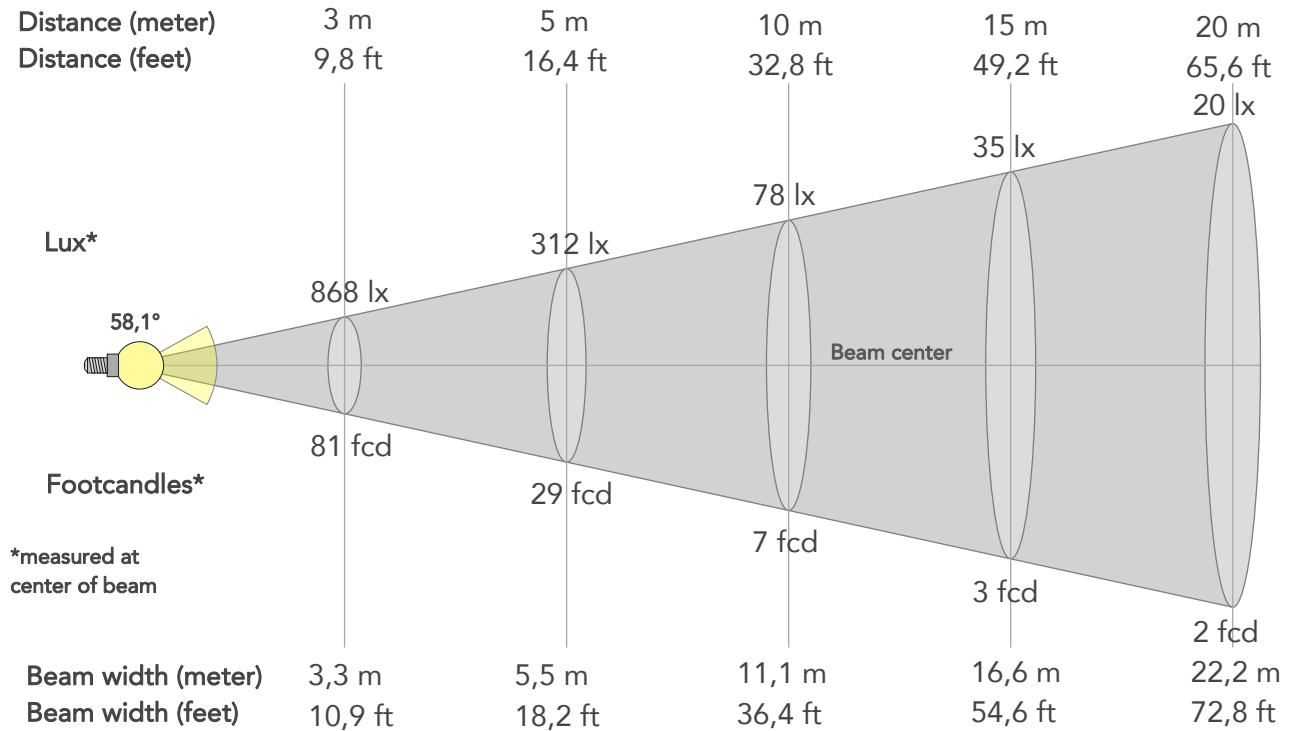
Gammut index

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



BEAM DETAILS

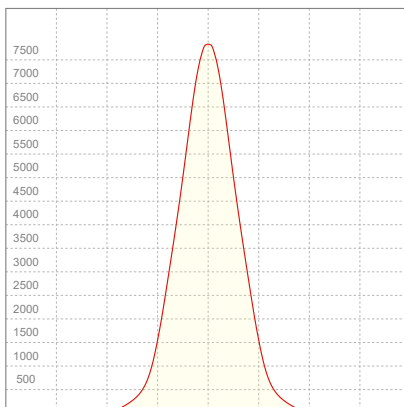
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,1°	105,9°	143,5°	94,0%	81,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	7810lx	1953lx	868lx	488lx	312lx	139lx	78lx	35lx	20lx	12lx	9lx	5lx	3lx
Footcand.	726fcd	181fcd	81fcd	45fcd	29fcd	13fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,3m	11,1m	16,6m	22,2m	27,7m	33,3m	44,4m	55,5m
Beam wid.	3,7ft	7,3ft	10,9ft	14,5ft	18,2ft	27,3ft	36,4ft	54,6ft	72,8ft	91ft	109,2ft	145,6ft	182ft

LINEAR DISTRIBUTION DIAGRAM

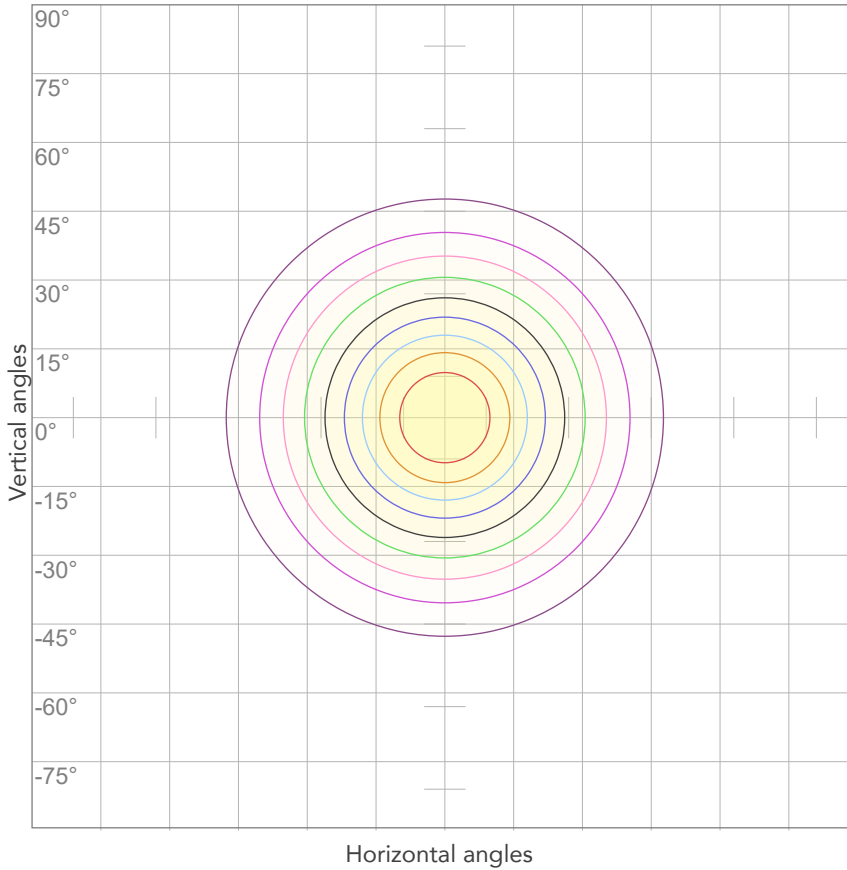


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	1,02A	220,2W	0,96	40lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



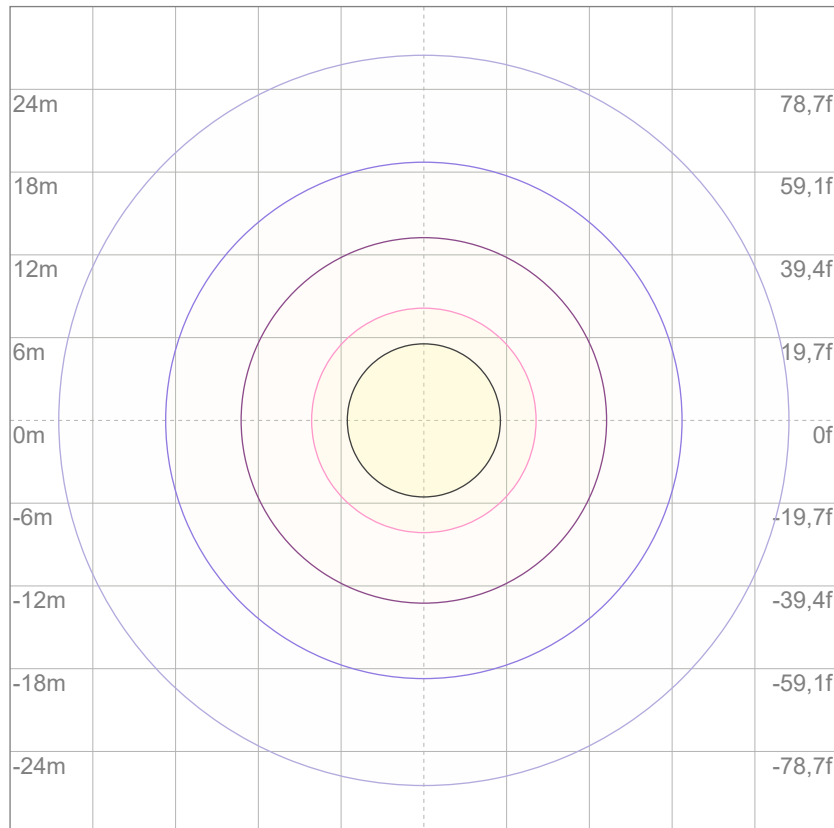
10%	781 cd
20%	1562 cd
30%	2343 cd
40%	3124 cd
50%	3905 cd
60%	4686 cd
70%	5467 cd
80%	6248 cd

Conditions:

Number of c-planes: 2

Candela at center: 7810 cd

ISO LUX DIAGRAM



3%	2,34 lx
5%	3,91 lx
10%	7,81 lx
30%	23,4 lx
50%	39,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 78,1 lx

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



Total lumen output:

10105 lm

Peak candela output:

17115 cd

Light quality:

CRI: 94,1

Color temperature:

2683 K

PRODUCT NAME:

ARCSPOTXLW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

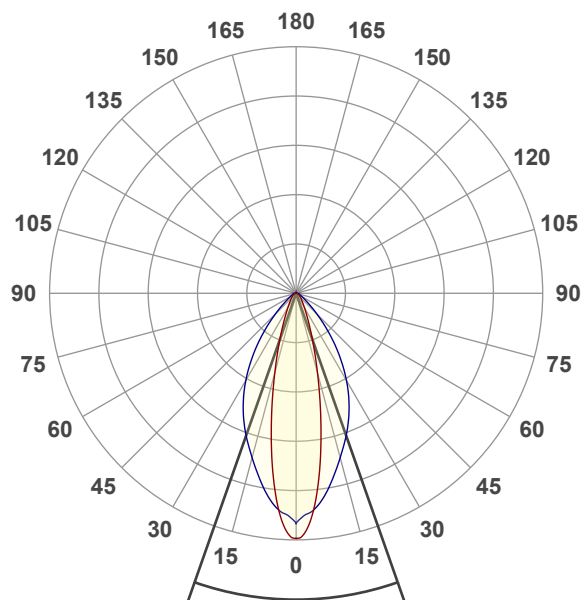
2700K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 17:29:52

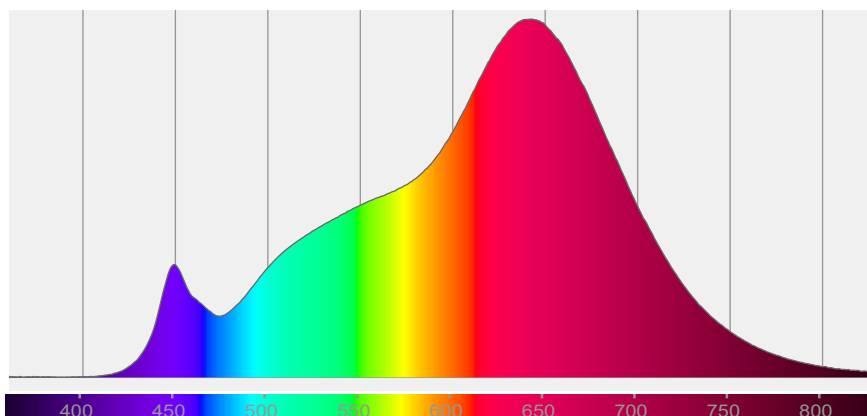


Beam angle 50%: 38,7°

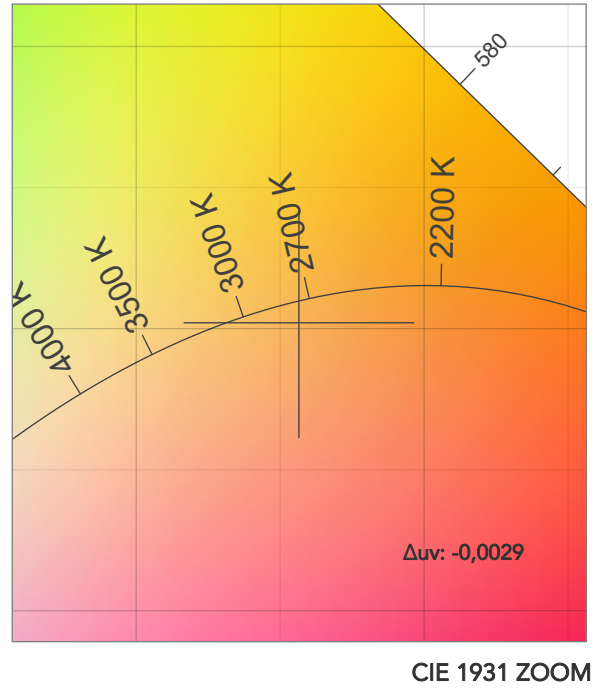
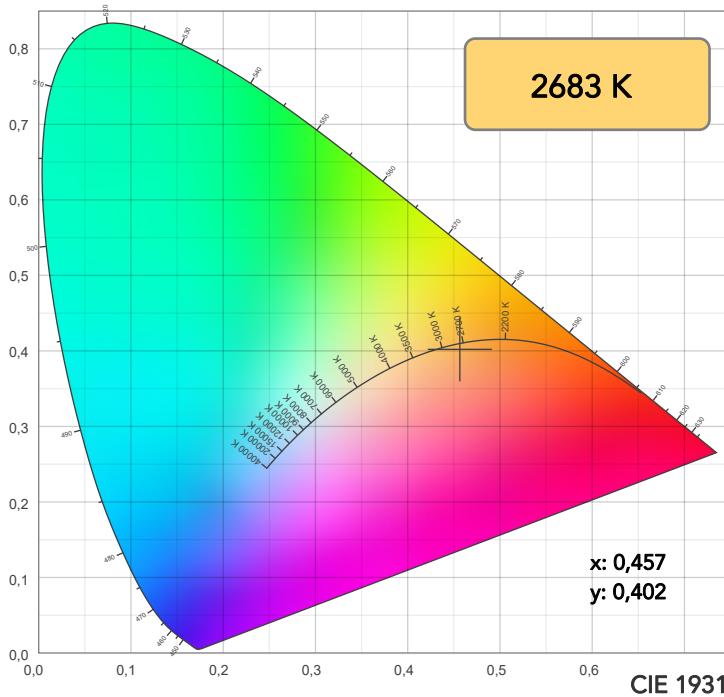
Field angle 10%: 73°

Cut off angle 2.5%: 108,6°

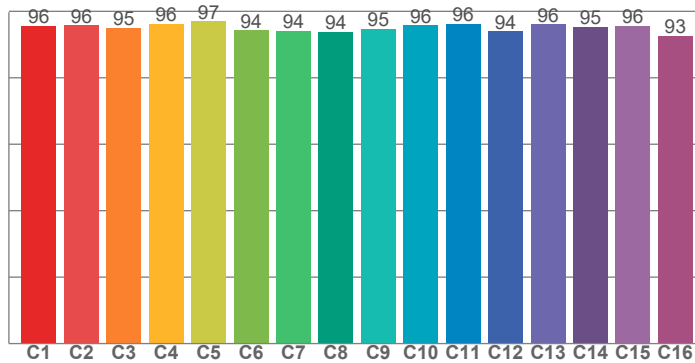
Spectra



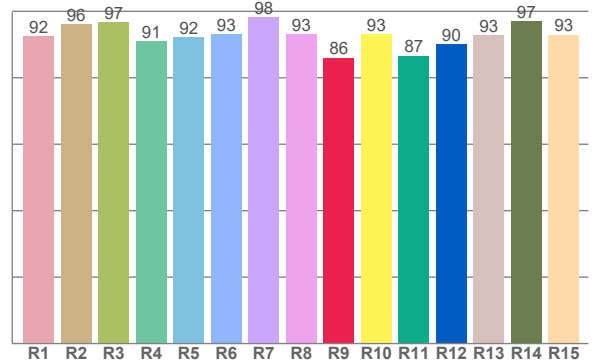
COLOR DETAILS



TM30: 95,3



CRI: 94,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92,5	96,2	96,7	91,1	92,1	93,1	98,2	93,1	86,1	93,1	86,6	90,1	92,8	97,0	92,9

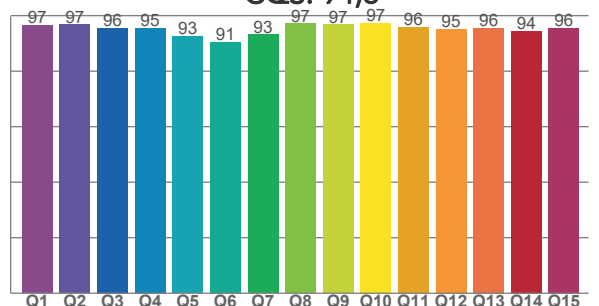
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,5	96,7	95,6	95,5	92,6	90,6	93,2	97,2	96,7	97,3	95,9	95,2	95,5	94,5	95,5

CQS: 94,6



COLOR PARAMETERS

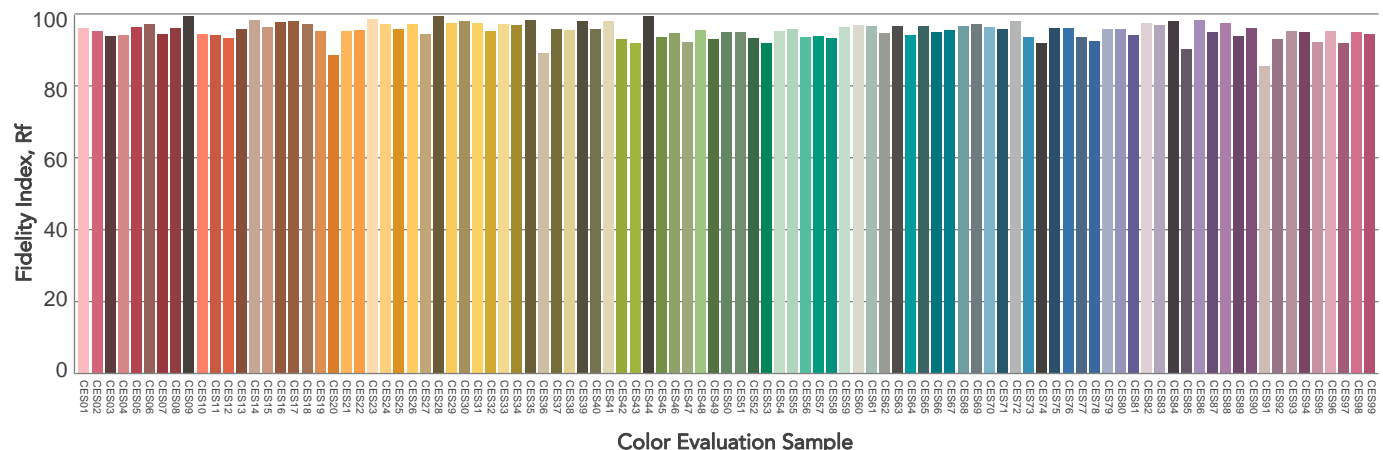
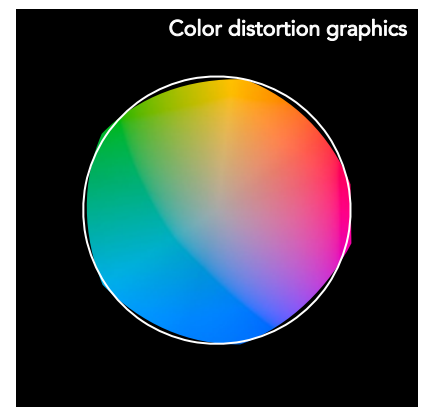
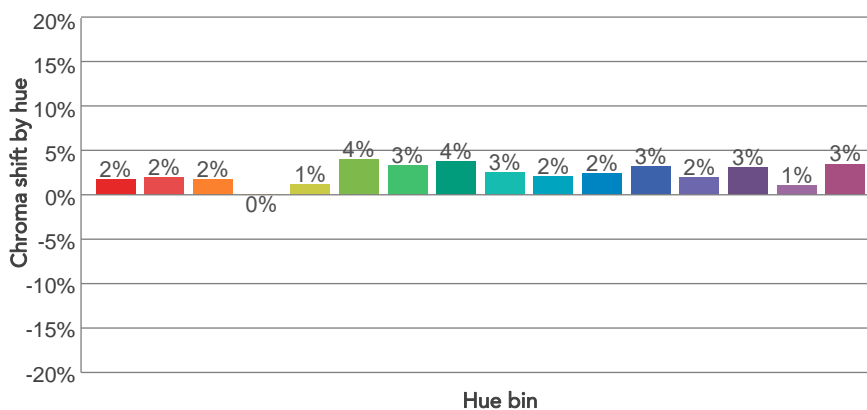
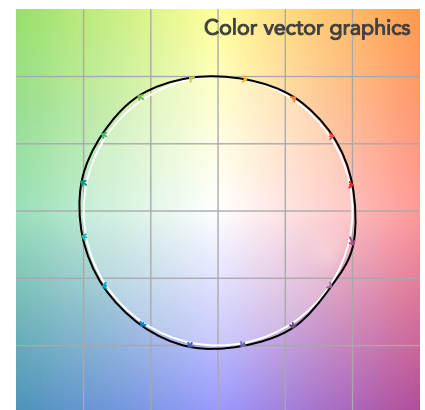
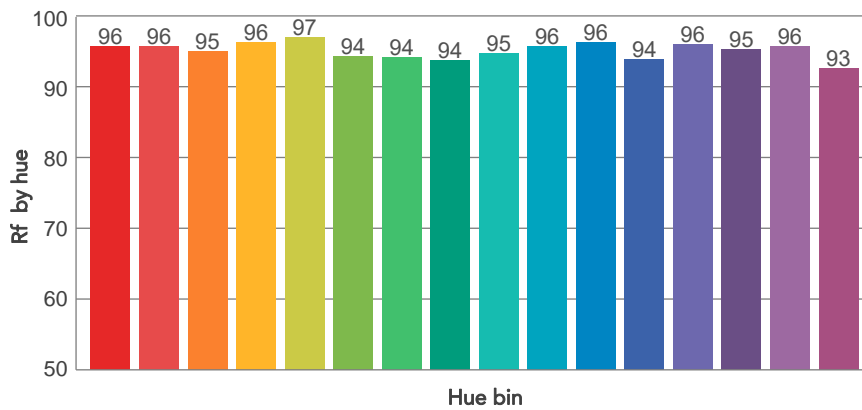
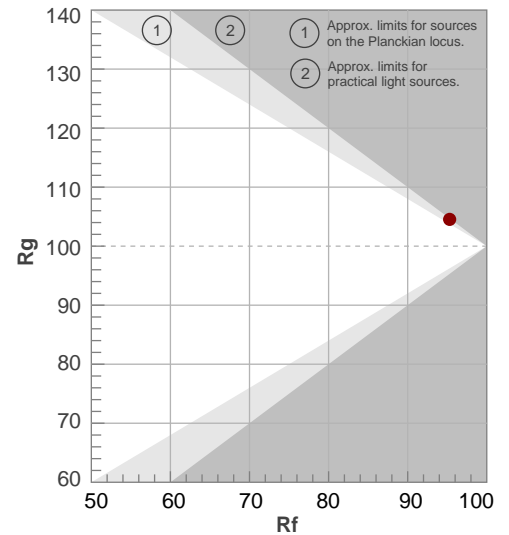
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2683 K	94,1	86,1	95,3	104,5	94,6	98	0,457	0,402	-0,0029

TM30 DETAILS

Rf 95,3
Fidelity index Rf

Rg 104,5
Gammut index

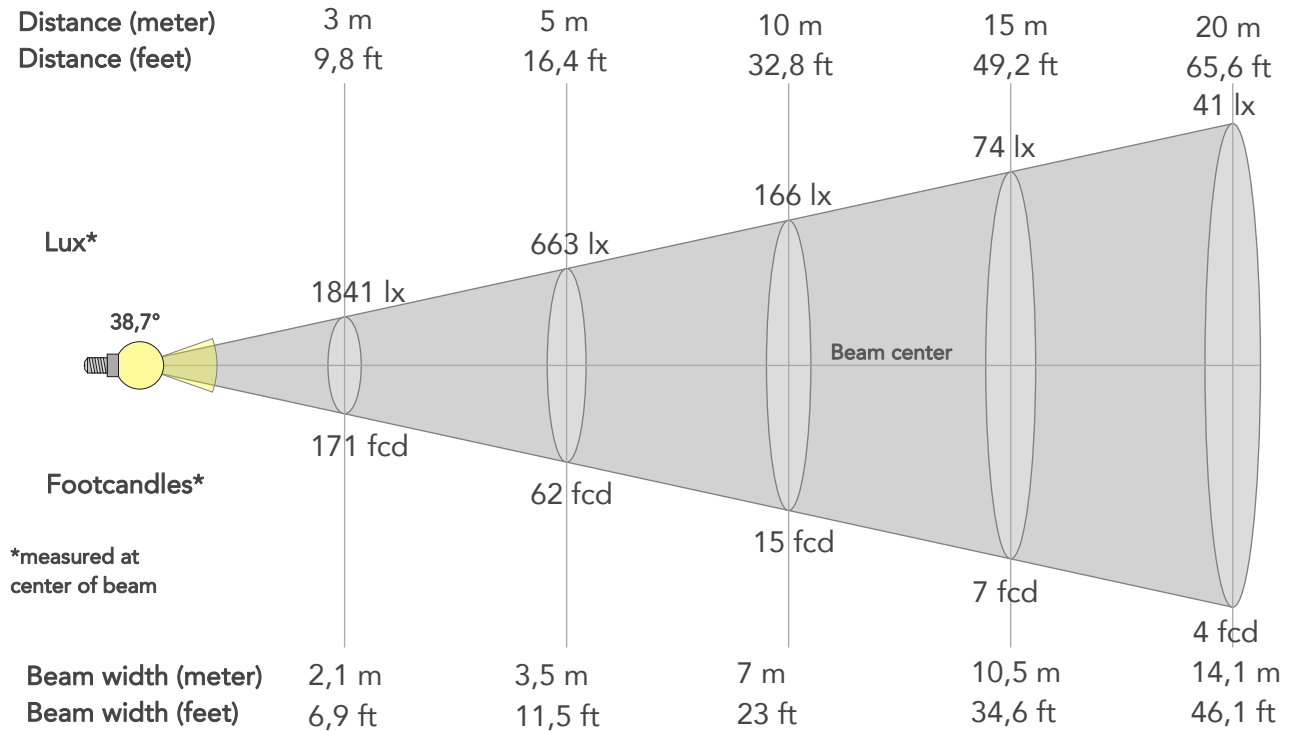
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	2%	0%
2	96	2%	-1%
3	95	2%	-1%
4	96	0%	-1%
5	97	1%	1%
6	94	4%	2%
7	94	3%	0%
8	94	4%	-2%
9	95	3%	-1%
10	96	2%	-1%
11	96	2%	0%
12	94	3%	-2%
13	96	2%	-2%
14	95	3%	-2%
15	96	1%	0%
16	93	3%	-5%



BEAM DETAILS



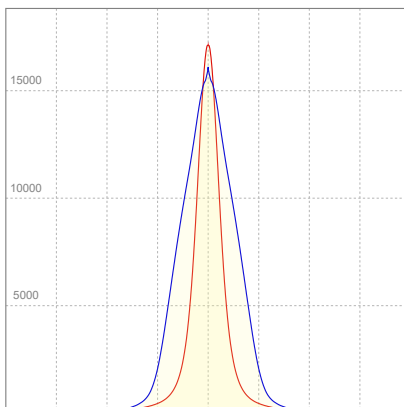
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38,7°	73°	108,6°	94,6%	86,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	16573lx	4143lx	1841lx	1036lx	663lx	295lx	166lx	74lx	41lx	27lx	18lx	10lx	7lx
Footcand.	1540fcd	385fcd	171fcd	96fcd	62fcd	27fcd	15fcd	7fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,7m	1,4m	2,1m	2,8m	3,5m	5,3m	7m	10,5m	14,1m	17,6m	21,1m	28,1m	35,1m
Beam wid.	2,3ft	4,6ft	6,9ft	9,2ft	11,5ft	17,3ft	23ft	34,6ft	46,1ft	57,6ft	69,1ft	92,2ft	115,2ft

LINEAR DISTRIBUTION DIAGRAM

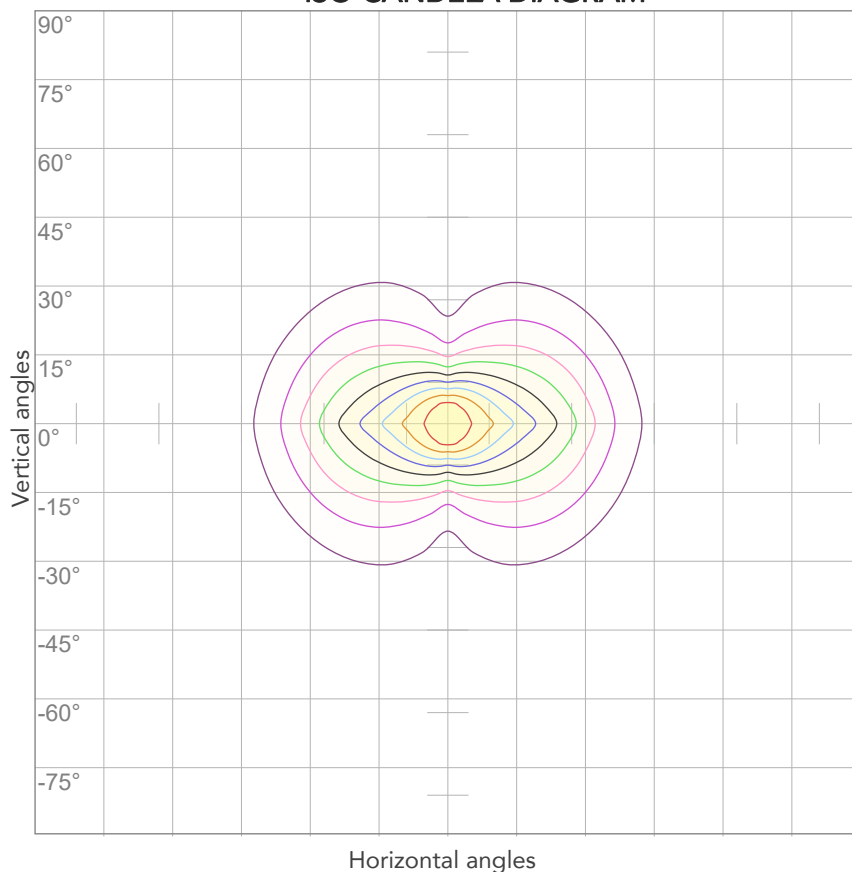


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	1,03A	220,9W	0,96	46lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



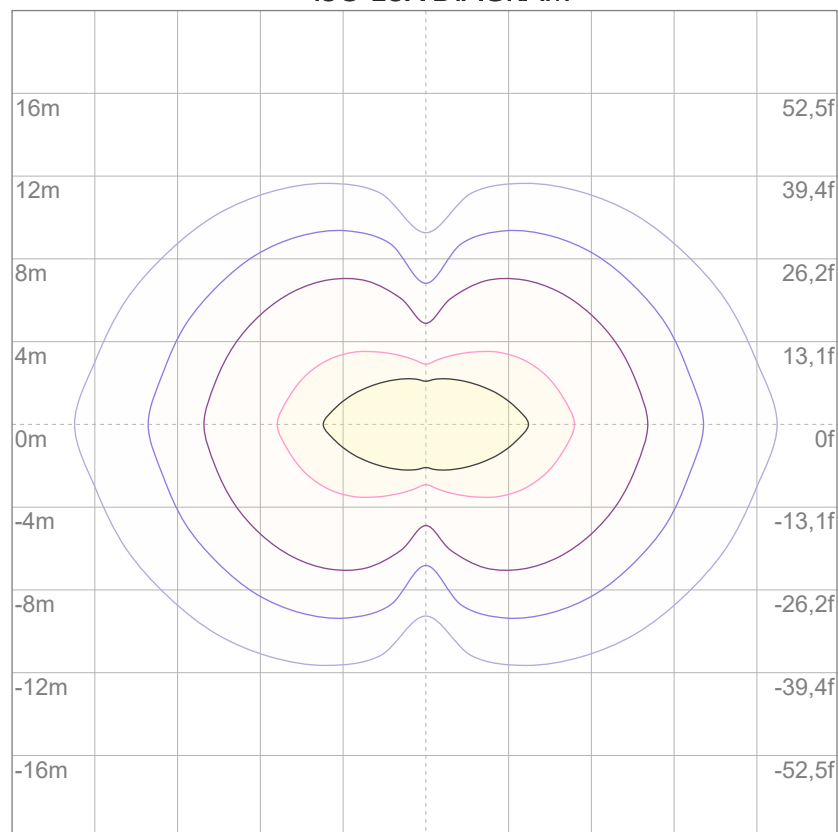
10%	1657 cd
20%	3315 cd
30%	4972 cd
40%	6629 cd
50%	8287 cd
60%	9944 cd
70%	11601 cd
80%	13258 cd

Conditions:

Number of c-planes: 4

Candela at center: 16573 cd

ISO LUX DIAGRAM



3%	4,97 lx
5%	8,29 lx
10%	16,6 lx
30%	49,7 lx
50%	82,9 lx

Conditions:

Number of c-planes: 4

Lux at center: 166 lx

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



Total lumen output:

9932 lm

Peak candela output:

13918 cd

Light quality:

CRI: 94,1

Color temperature:

2680 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

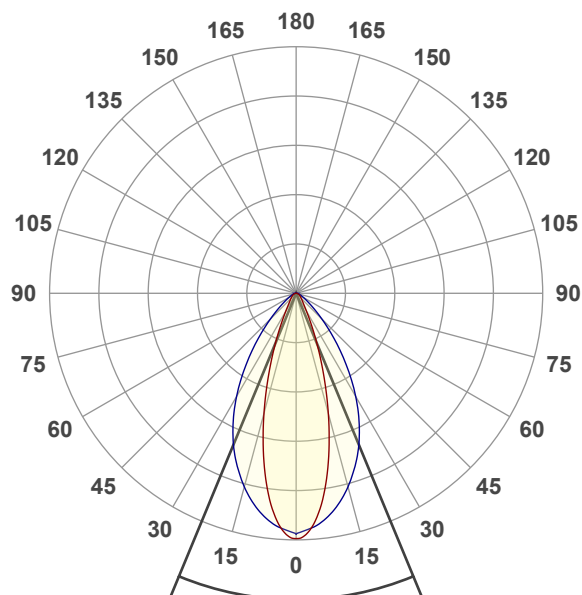
2700K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 18:00:42

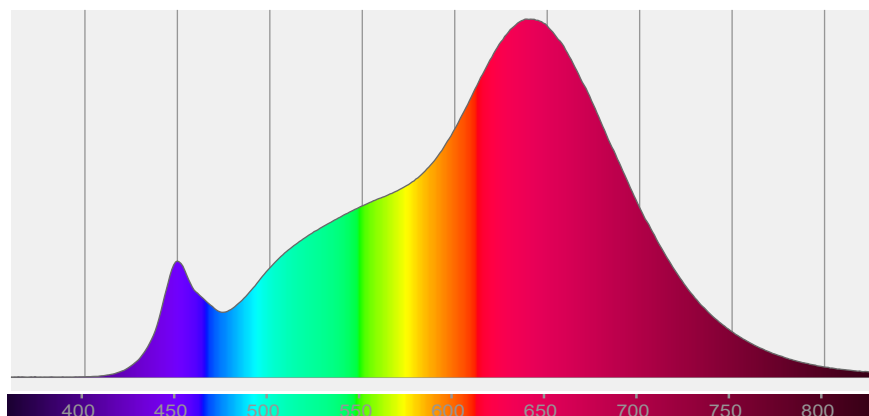


Beam angle 50%: 45°

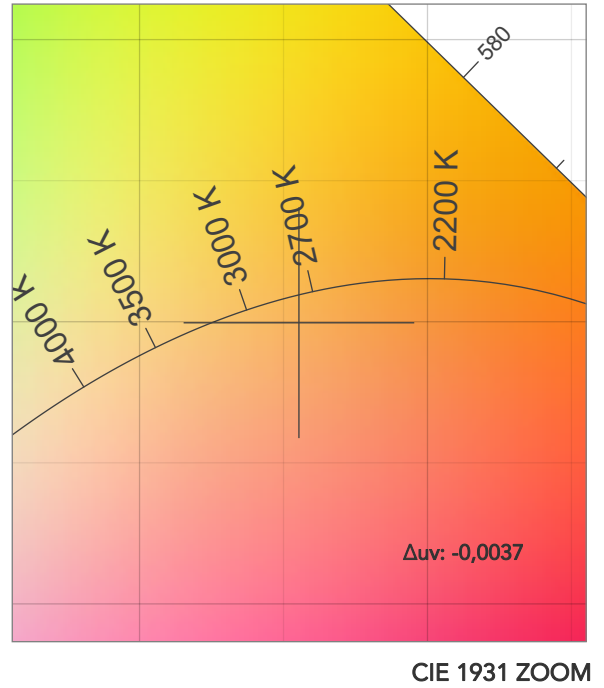
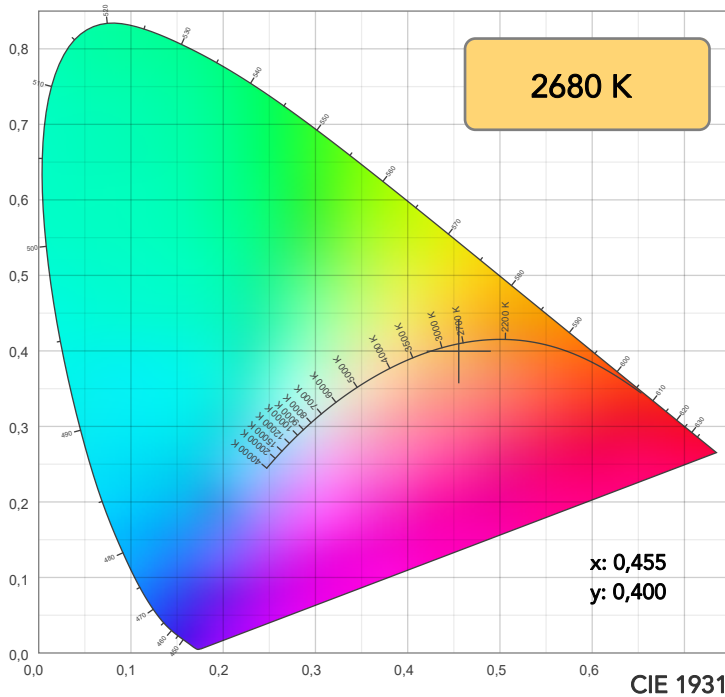
Field angle 10%: 77,7°

Cut off angle 2.5%: 113,2°

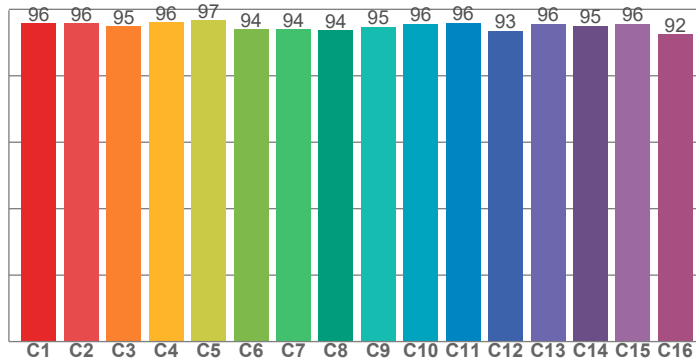
Spectra



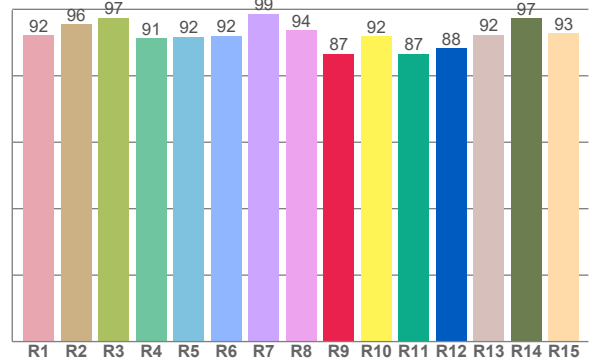
COLOR DETAILS



TM30: 95,1



CRI: 94,1 (R1-R8)



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

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

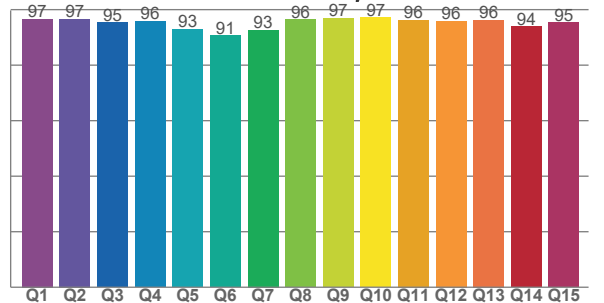
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,6	96,6	95,4	95,8	92,9	90,7	92,6	96,4	96,9	97,2	96,3	95,9	96,3	93,9	95,3

CQS: 94,6



COLOR PARAMETERS

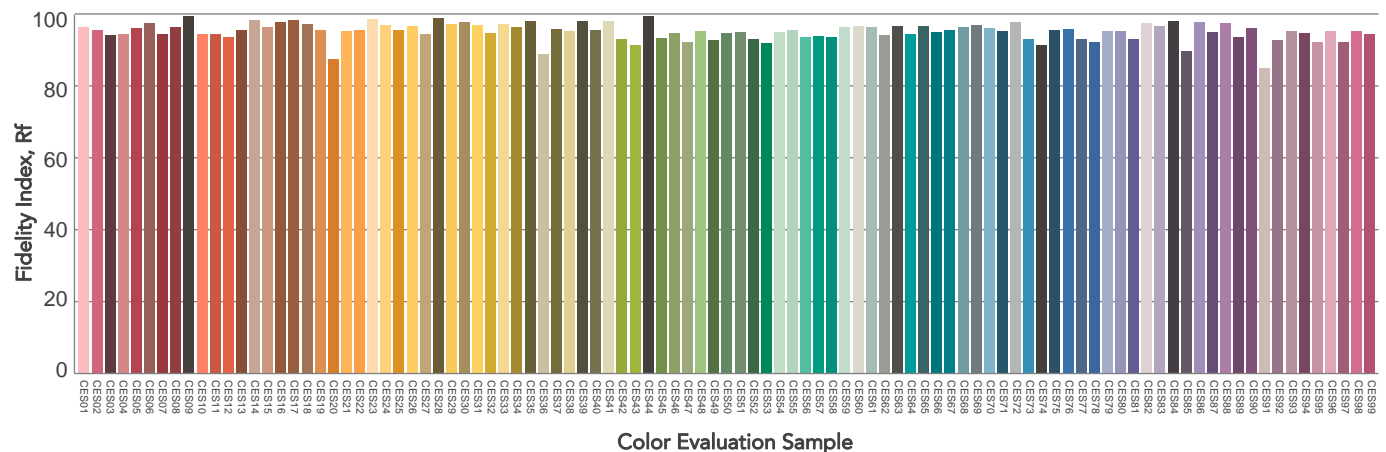
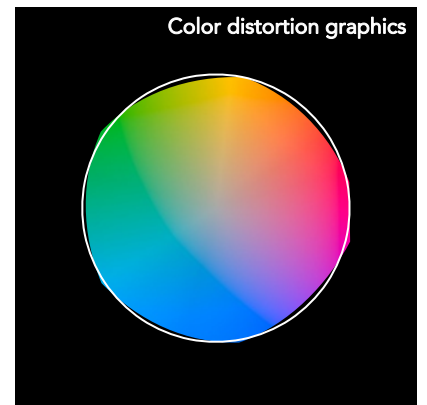
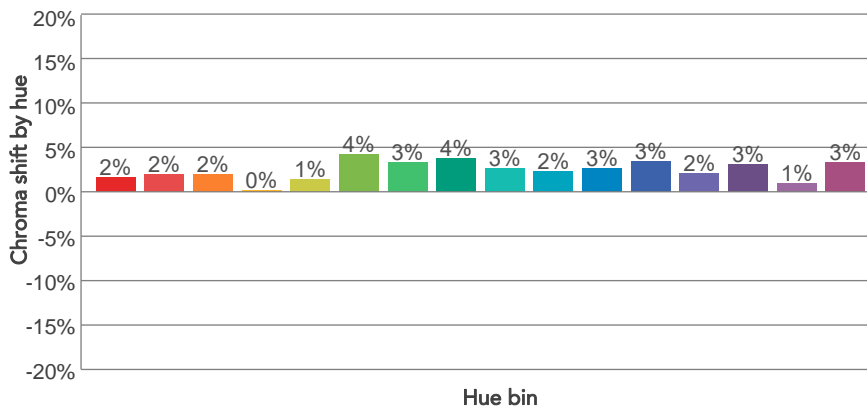
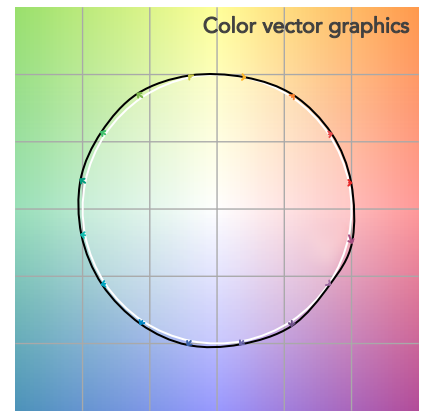
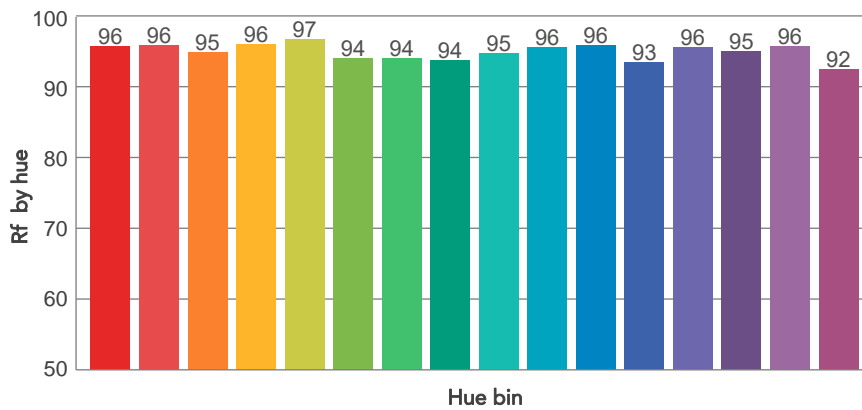
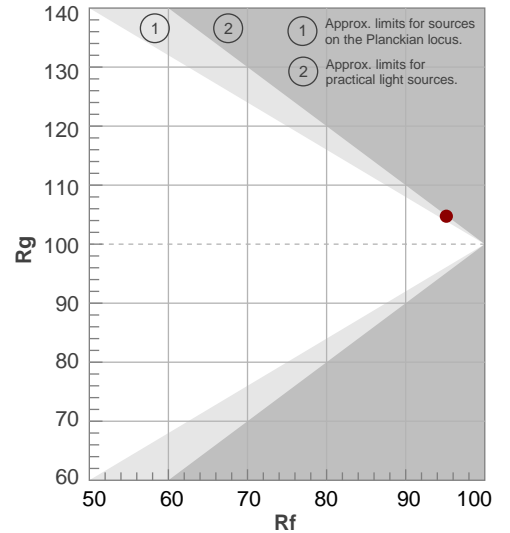
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2680 K	94,1	86,6	95,1	104,7	94,6	98	0,455	0,400	-0,0037

TM30 DETAILS

Rf 95,1
Fidelity index Rf

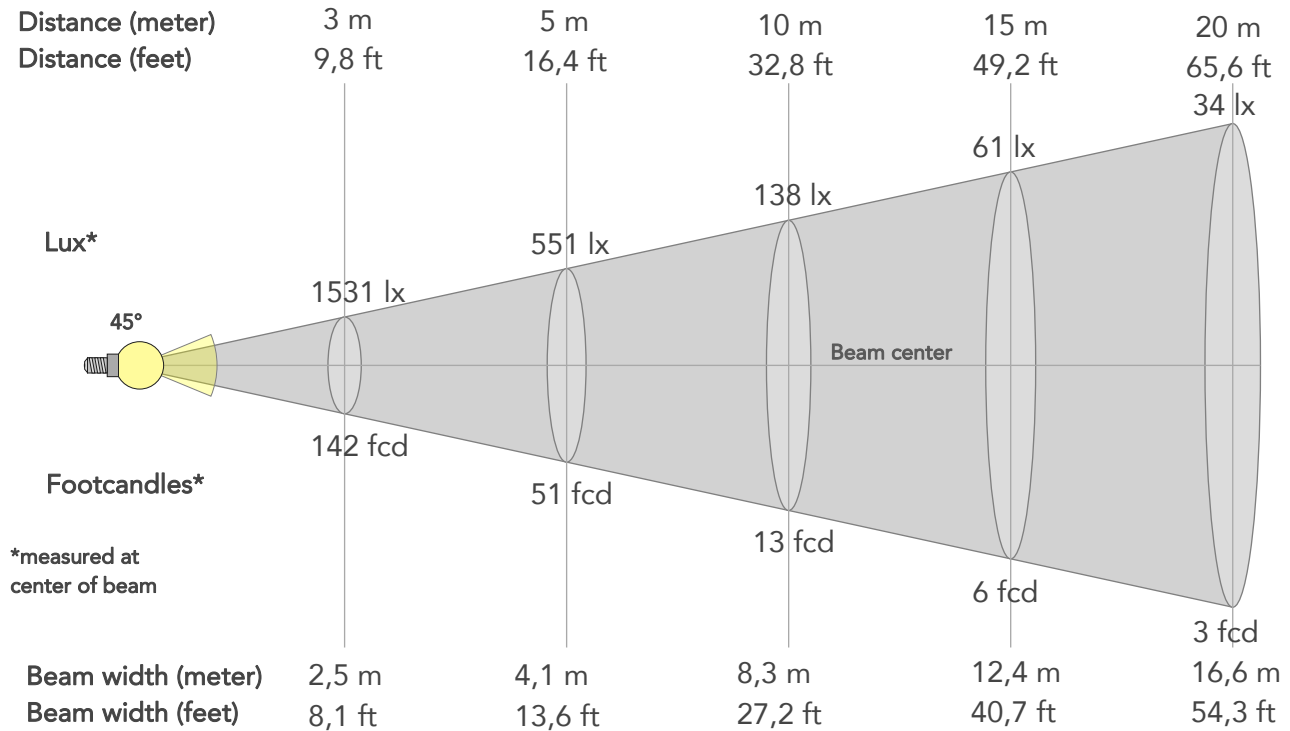
Rg 104,7
Gammut index

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



BEAM DETAILS

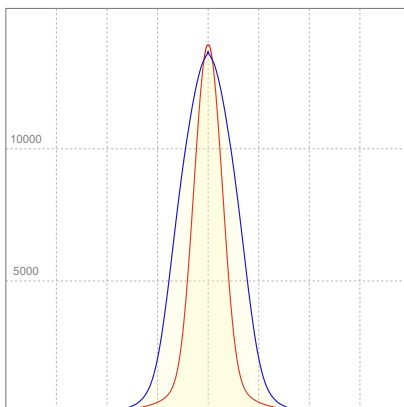
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45°	77,7°	113,2°	95,1%	86,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	13783lx	3446lx	1531lx	861lx	551lx	245lx	138lx	61lx	34lx	22lx	15lx	9lx	6lx
Footcand.	1281fcd	320fcd	142fcd	80fcd	51fcd	23fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	1fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,1m	6,2m	8,3m	12,4m	16,6m	20,7m	24,8m	33,1m	41,4m
Beam wid.	2,7ft	5,5ft	8,1ft	10,8ft	13,6ft	20,4ft	27,2ft	40,7ft	54,3ft	67,9ft	81,5ft	108,7ft	135,8ft

LINEAR DISTRIBUTION DIAGRAM

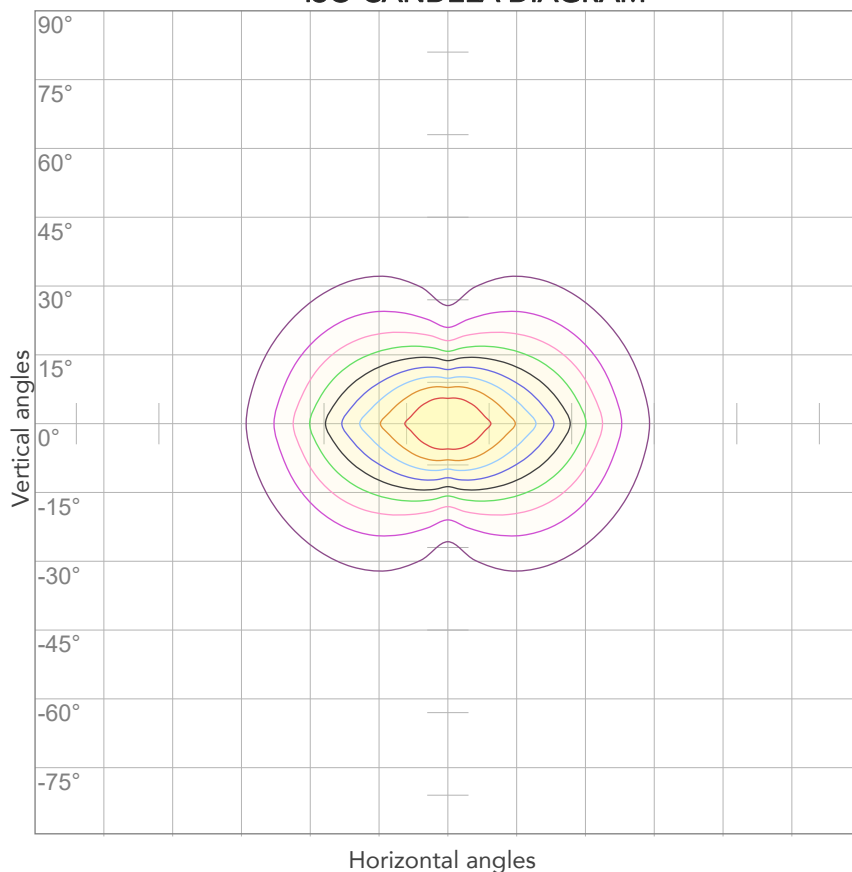


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	1,02A	218,6W	0,96	45lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



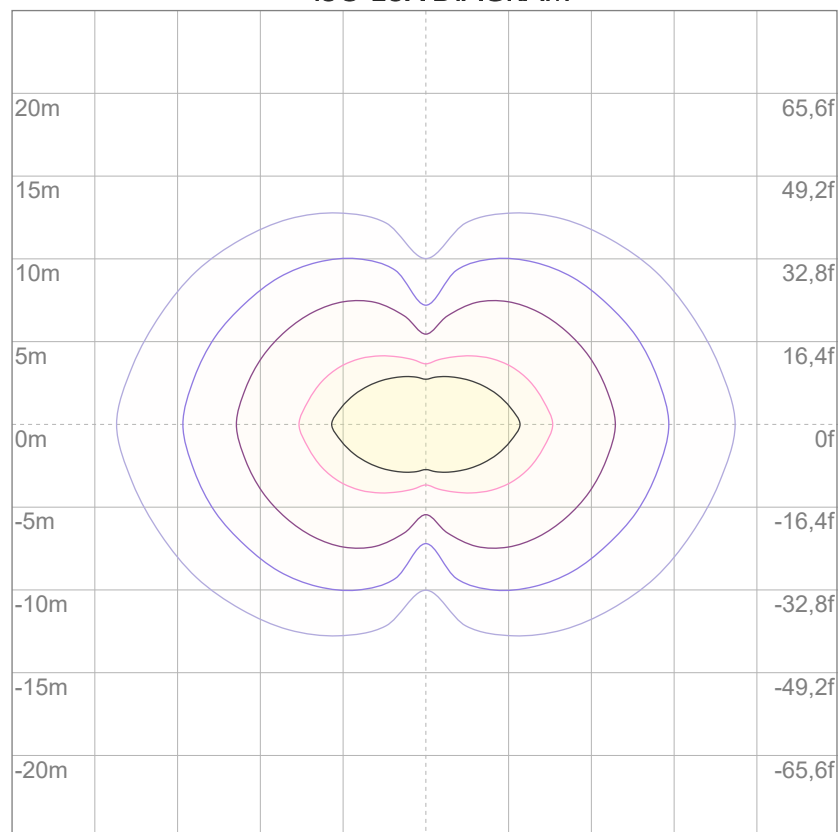
10%	1378 cd
20%	2757 cd
30%	4135 cd
40%	5513 cd
50%	6892 cd
60%	8270 cd
70%	9648 cd
80%	11027 cd

Conditions:

Number of c-planes: 4

Candela at center: 13783 cd

ISO LUX DIAGRAM



3%	4,14 lx
5%	6,89 lx
10%	13,8 lx
30%	41,4 lx
50%	68,9 lx

Conditions:

Number of c-planes: 4

Lux at center: 138 lx

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



Total lumen output:

11825 lm

Peak candela output:

222268 cd

Light quality:

CRI: 95,8

Color temperature:

3211 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

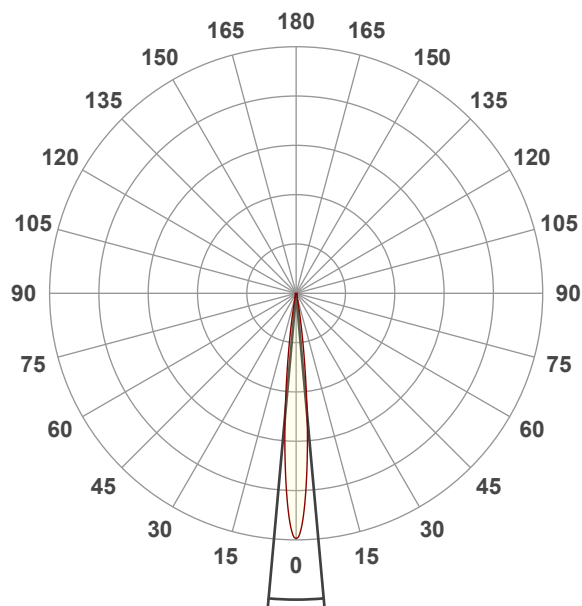
3200K

Operator:

Salvatore Giglio

Date and time:

23/04/2024 12:50:42

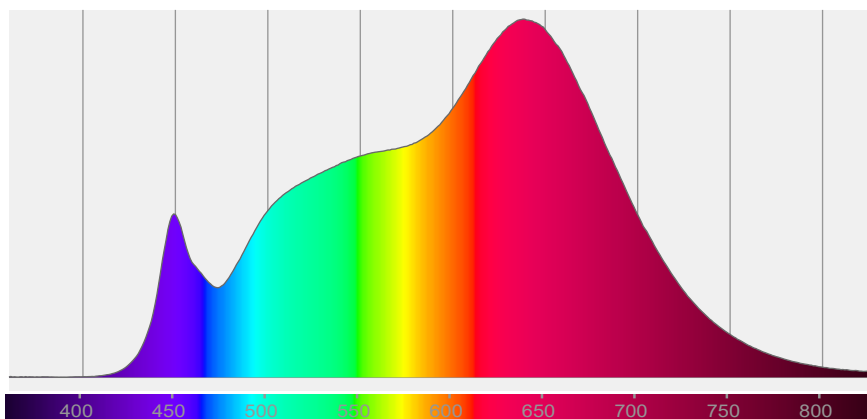


Beam angle 50%: 10,3°

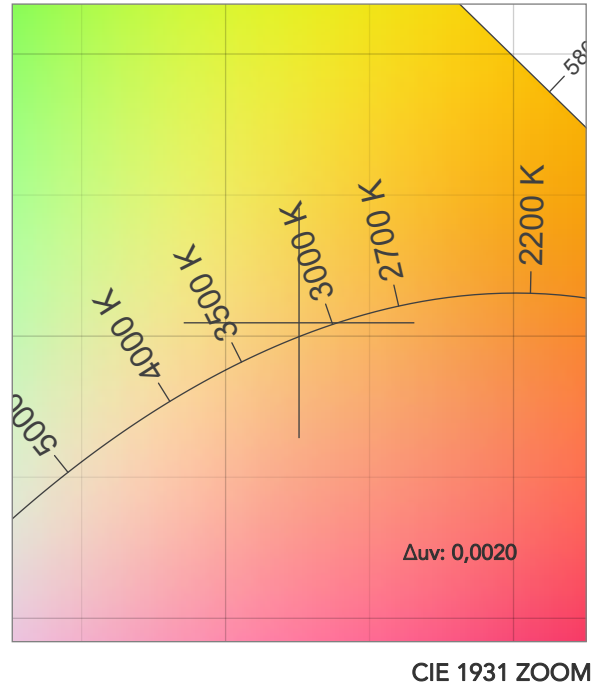
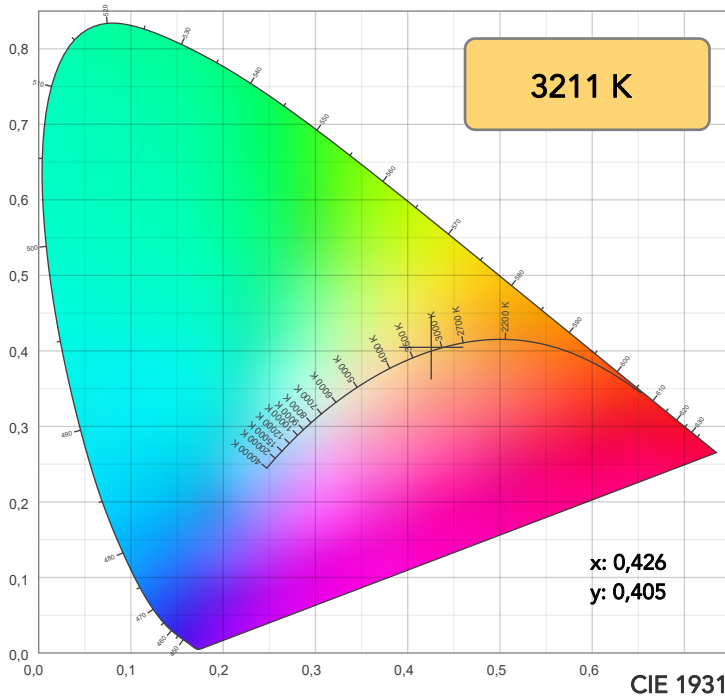
Field angle 10%: 18,9°

Cut off angle 2.5%: 26°

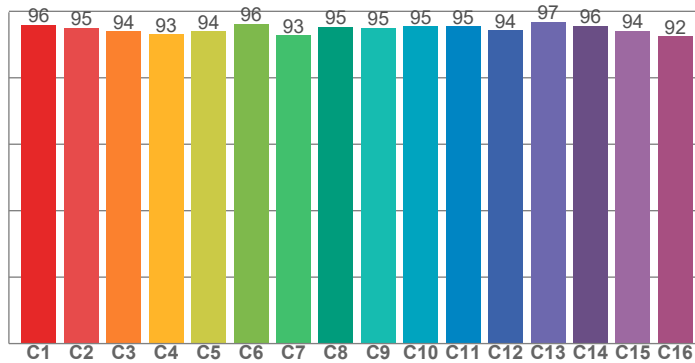
Spectra



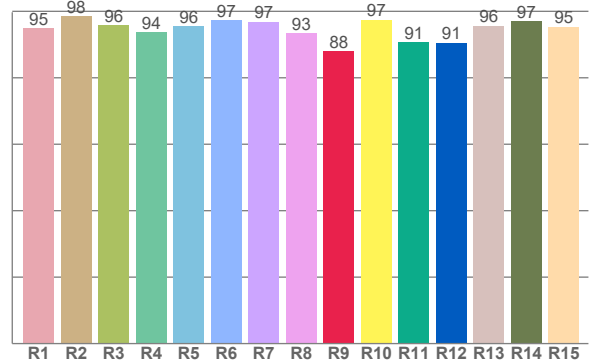
COLOR DETAILS



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
95,0	98,5	95,9	93,7	95,6	97,4	96,9	93,5	88,0	97,5	90,7	90,5	95,7	96,9	95,4

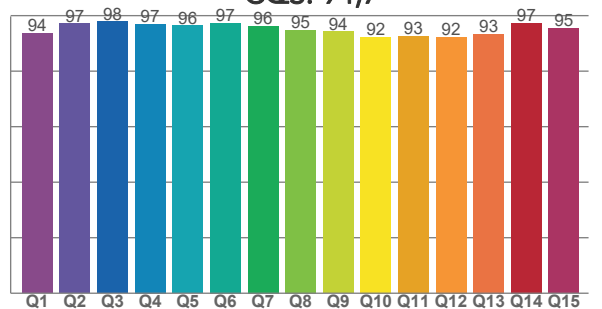
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 94,7



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3211 K	95,8	88,0	94,8	100,9	94,7	99	0,426	0,405	0,0020

TM30 DETAILS

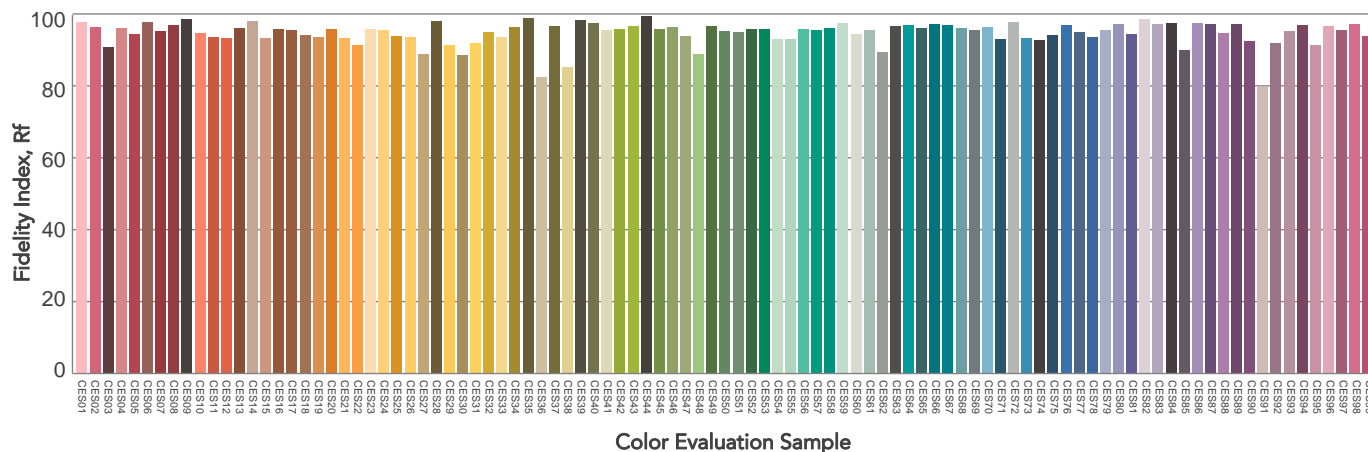
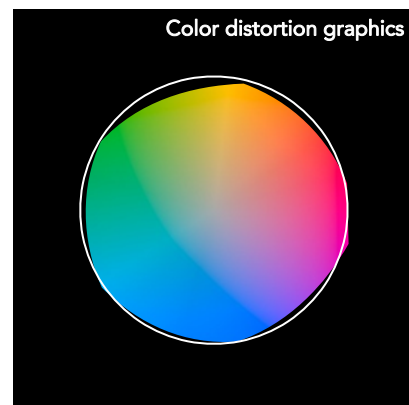
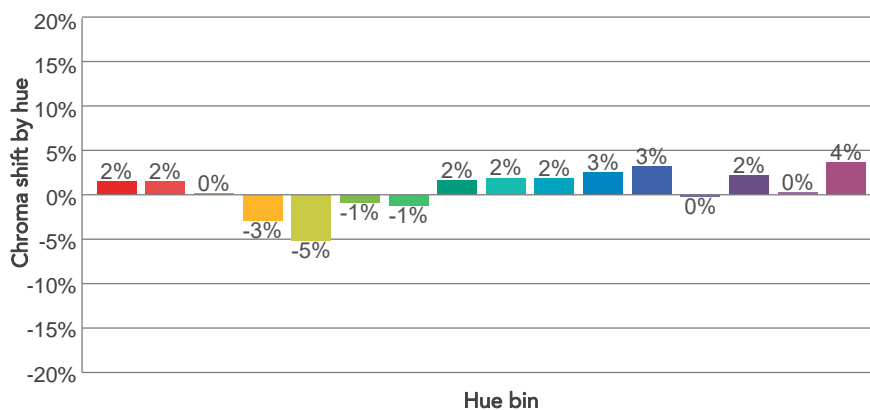
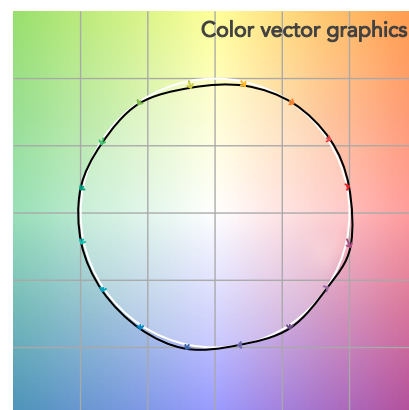
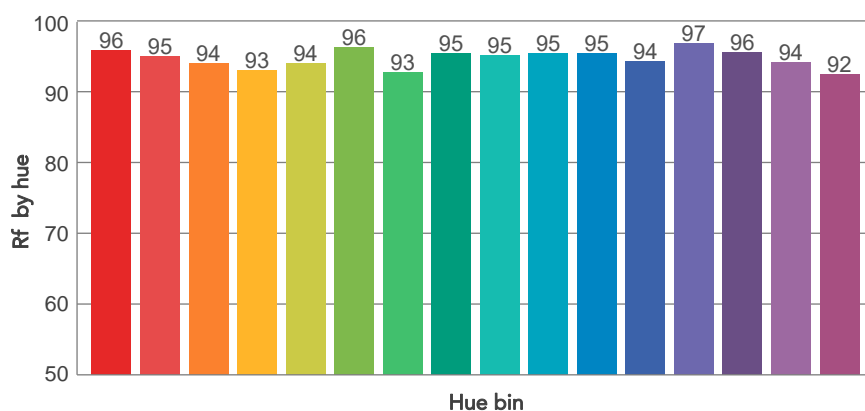
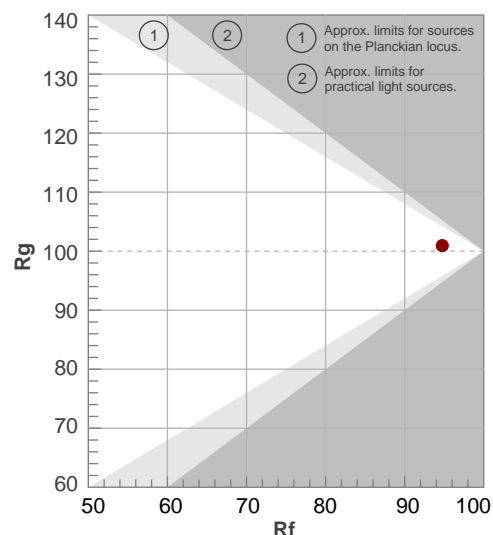
Rf 94,8

Fidelity index Rf

Rg 100,9

Gammut index

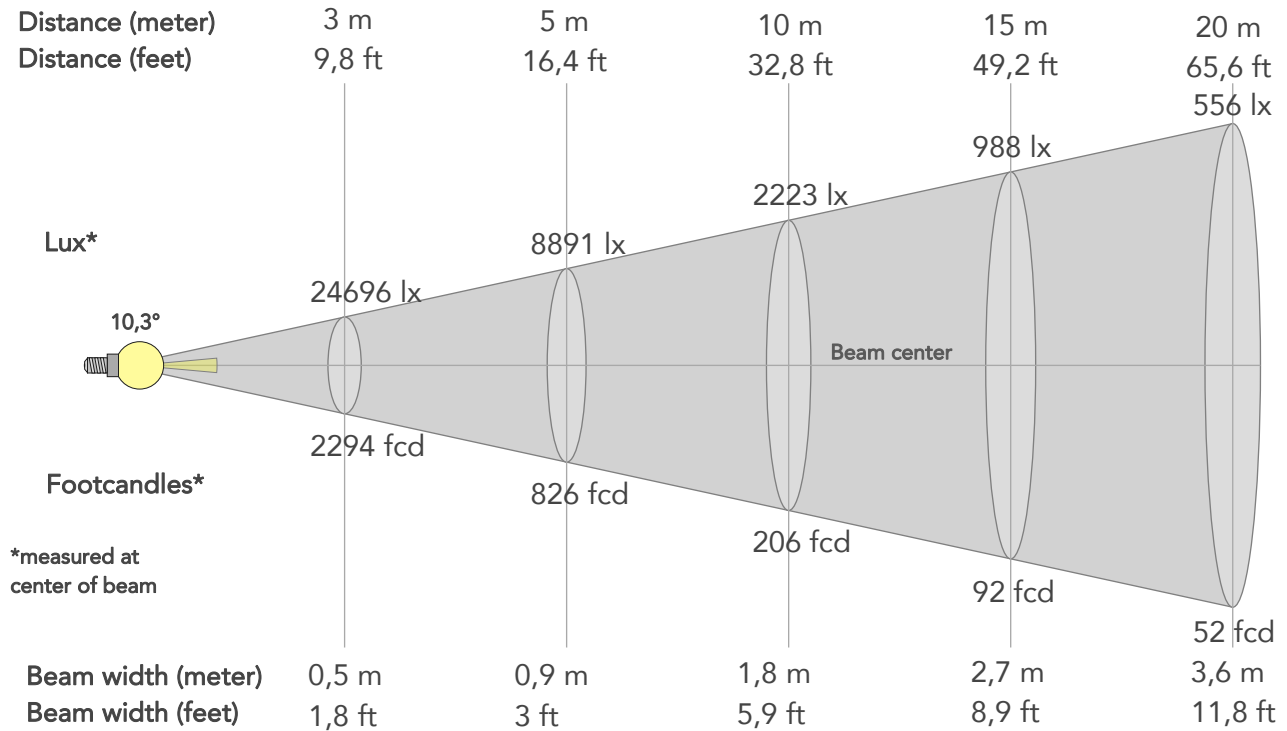
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	2%	0%
2	95	2%	-2%
3	94	0%	-3%
4	93	-3%	-3%
5	94	-5%	-1%
6	96	-1%	2%
7	93	-1%	4%
8	95	2%	2%
9	95	2%	3%
10	95	2%	2%
11	95	3%	2%
12	94	3%	-1%
13	97	0%	-2%
14	96	2%	-1%
15	94	0%	1%
16	92	4%	-5%



BEAM DETAILS



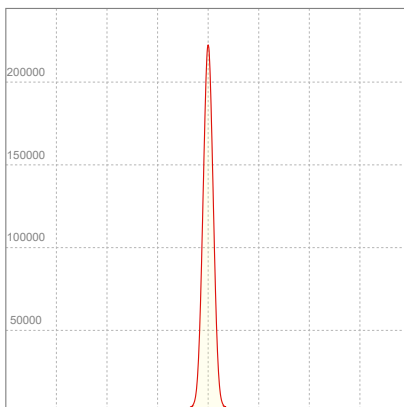
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,3°	18,9°	26°	92,4%	88,2%



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	222268lx	55567lx	24696lx	13892lx	8891lx	3951lx	2223lx	988lx	556lx	356lx	247lx	139lx	89lx
Footcand.	20649fcd	5162fcd	2294fcd	1291fcd	826fcd	367fcd	206fcd	92fcd	52fcd	33fcd	23fcd	13fcd	8fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,4m	1,8m	2,7m	3,6m	4,5m	5,4m	7,2m	9m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,4ft	5,9ft	8,9ft	11,8ft	14,8ft	17,8ft	23,7ft	29,6ft

LINEAR DISTRIBUTION DIAGRAM

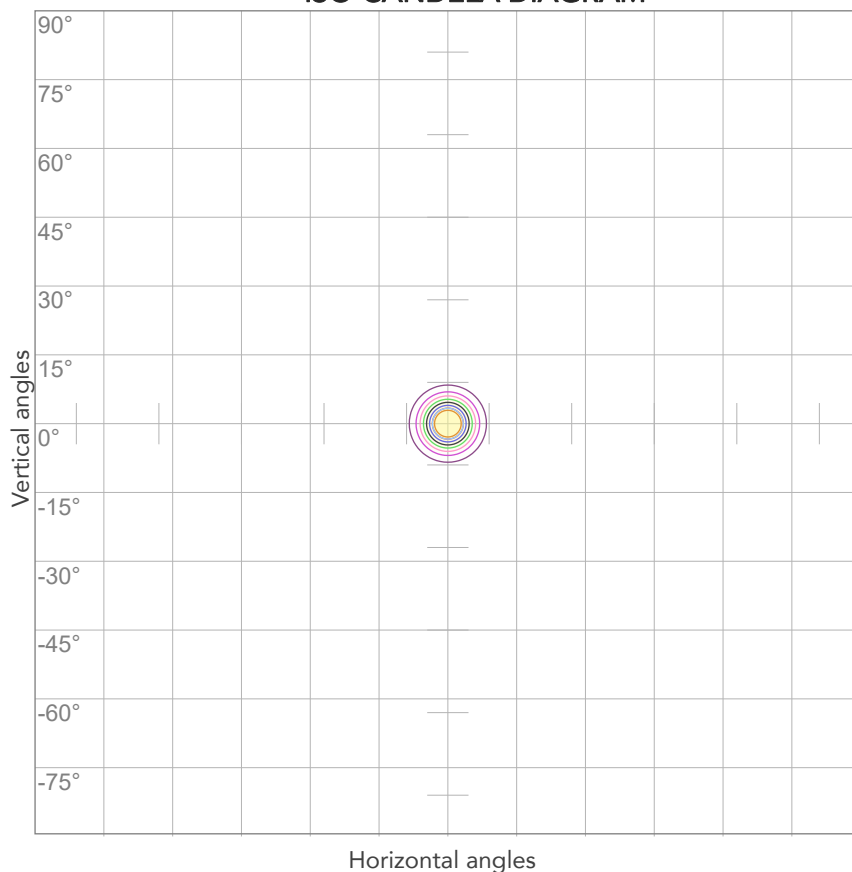


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
229V	1,00A	216,6W	0,95	55lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



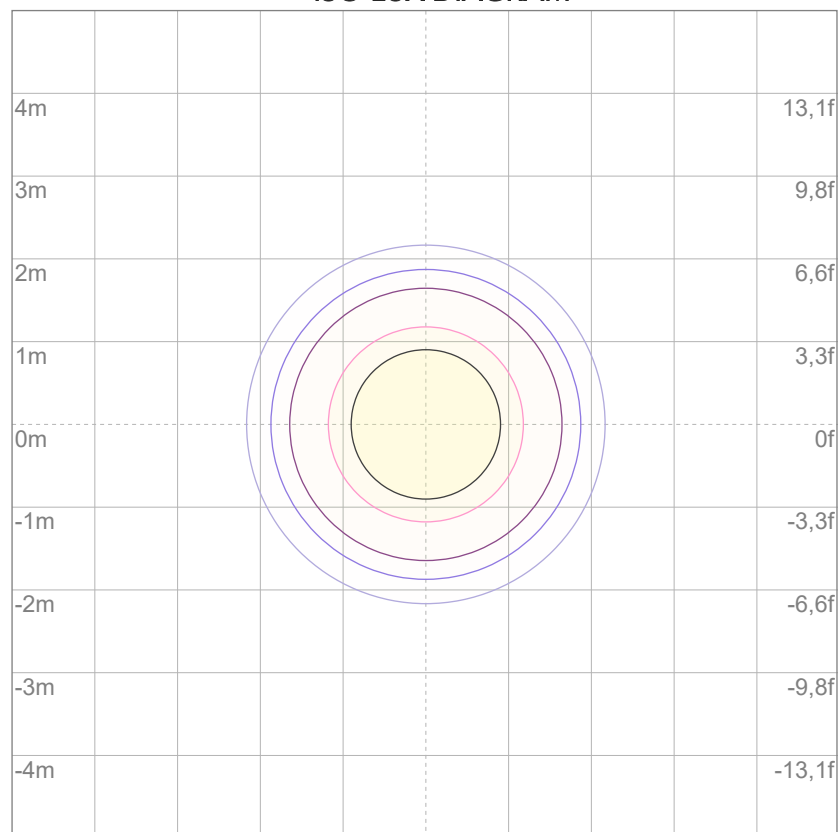
10%	22227 cd
20%	44454 cd
30%	66680 cd
40%	88907 cd
50%	111134 cd
60%	133361 cd
70%	155588 cd
80%	177815 cd

Conditions:

Number of c-planes: 2

Candela at center: 222268 cd

ISO LUX DIAGRAM



3%	66,7 lx
5%	111 lx
10%	222 lx
30%	667 lx
50%	1111 lx

Conditions:

Number of c-planes: 2

Lux at center: 2223 lx

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



Total lumen output:

10293 lm

Peak candela output:

40701 cd

Light quality:

CRI: 92,2

Color temperature:

3222 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

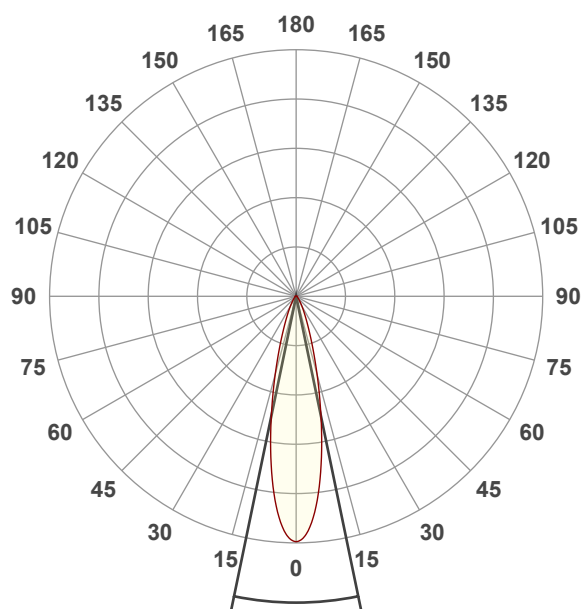
3200K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 14:45:36

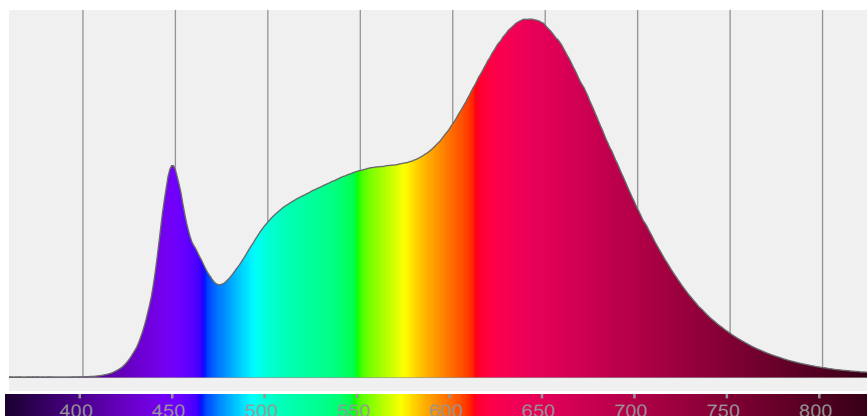


Beam angle 50%: 23,4°

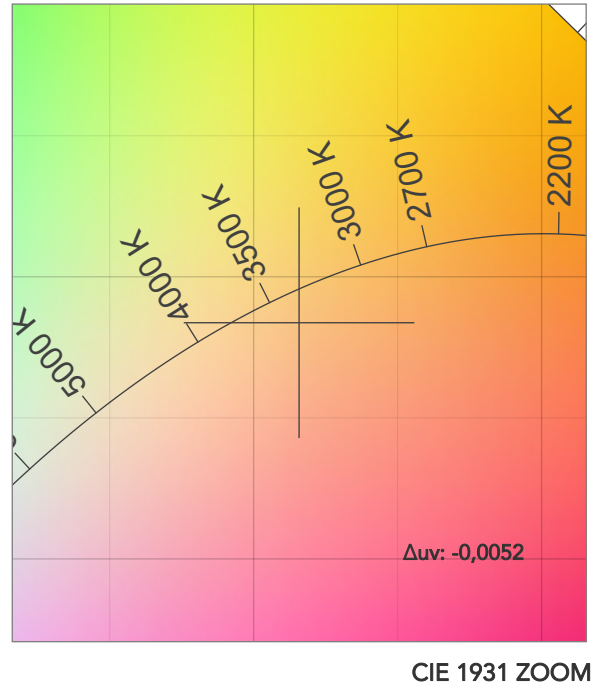
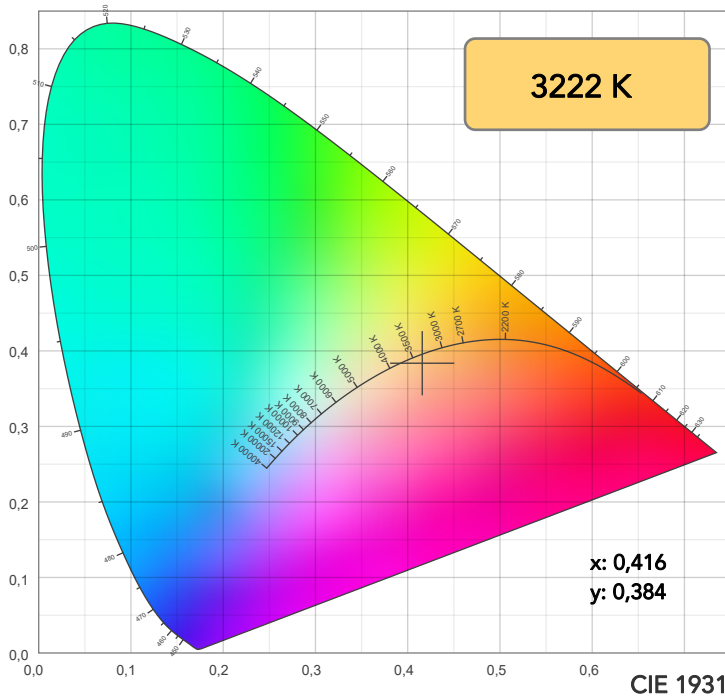
Field angle 10%: 47,5°

Cut off angle 2.5%: 72,9°

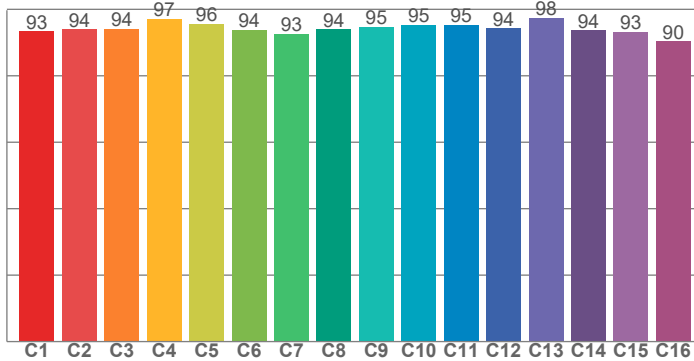
Spectra



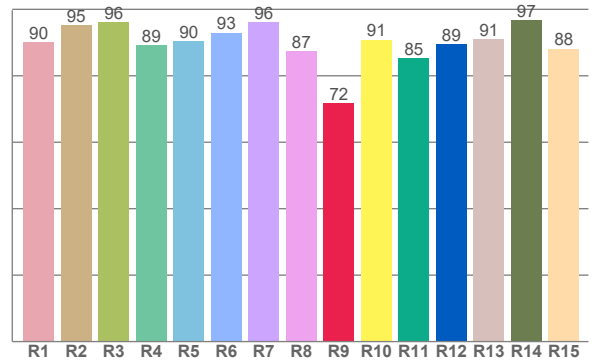
COLOR DETAILS



TM30: 94,5



CRI: 92,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
90,1	95,1	96,1	89,3	90,4	93,0	96,2	87,3	71,7	90,9	85,3	89,5	90,9	96,8	88,2

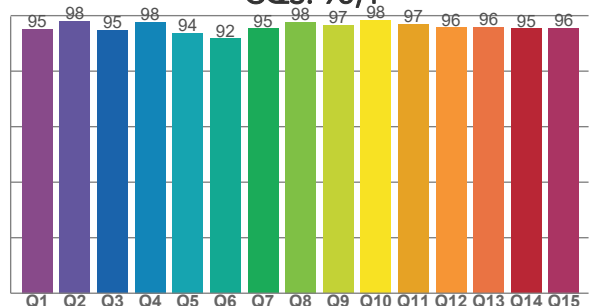
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,2	98,0	94,7	97,7	93,7	91,7	95,3	97,6	96,5	98,4	97,0	95,8	95,8	95,4	95,5

CQS: 95,4



COLOR PARAMETERS

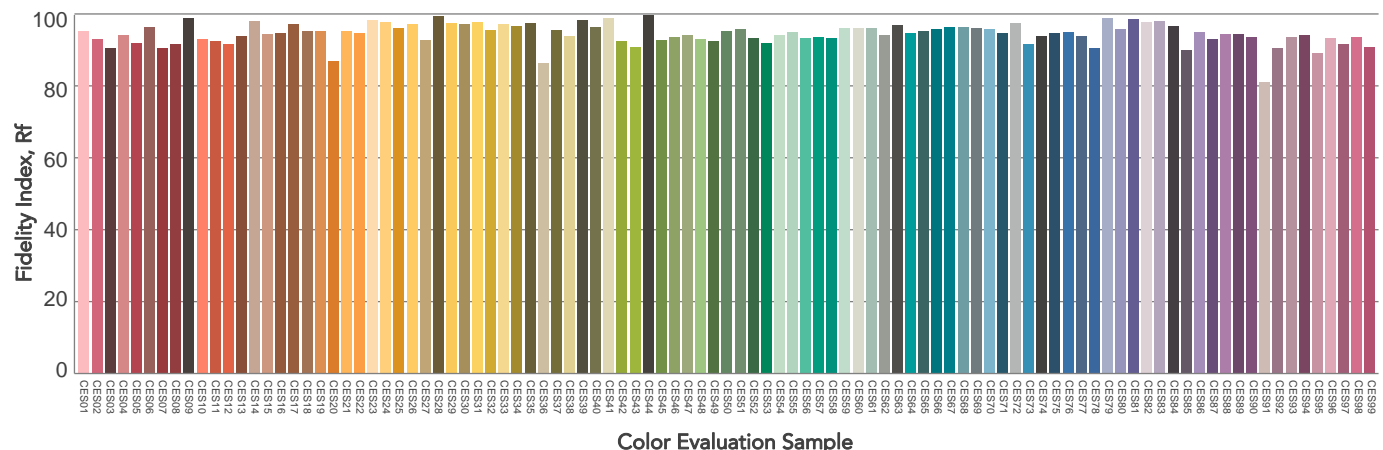
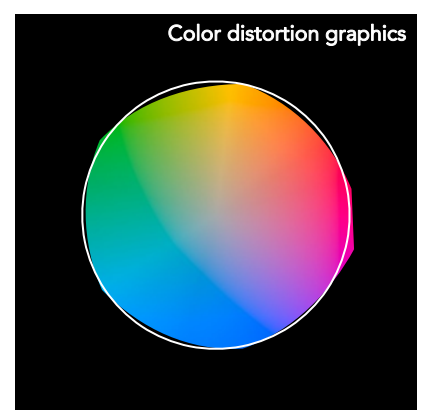
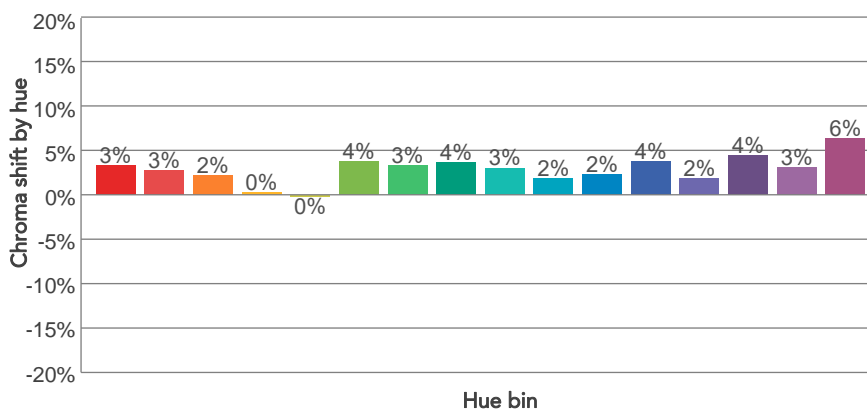
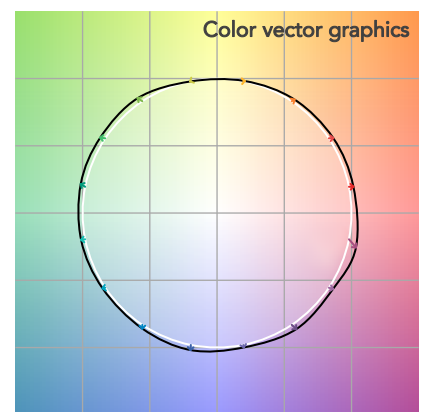
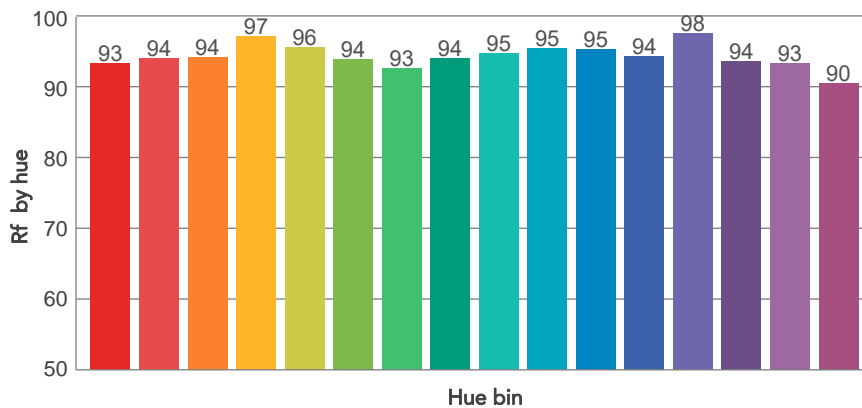
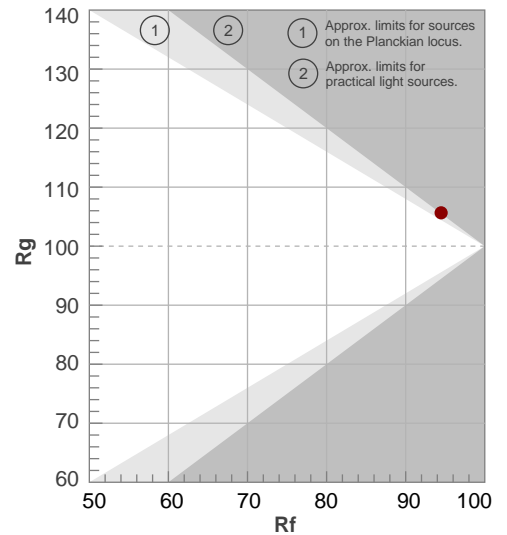
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3222 K	92,2	71,7	94,5	105,6	95,4	98	0,416	0,384	-0,0052

TM30 DETAILS

Rf 94,5
Fidelity index Rf

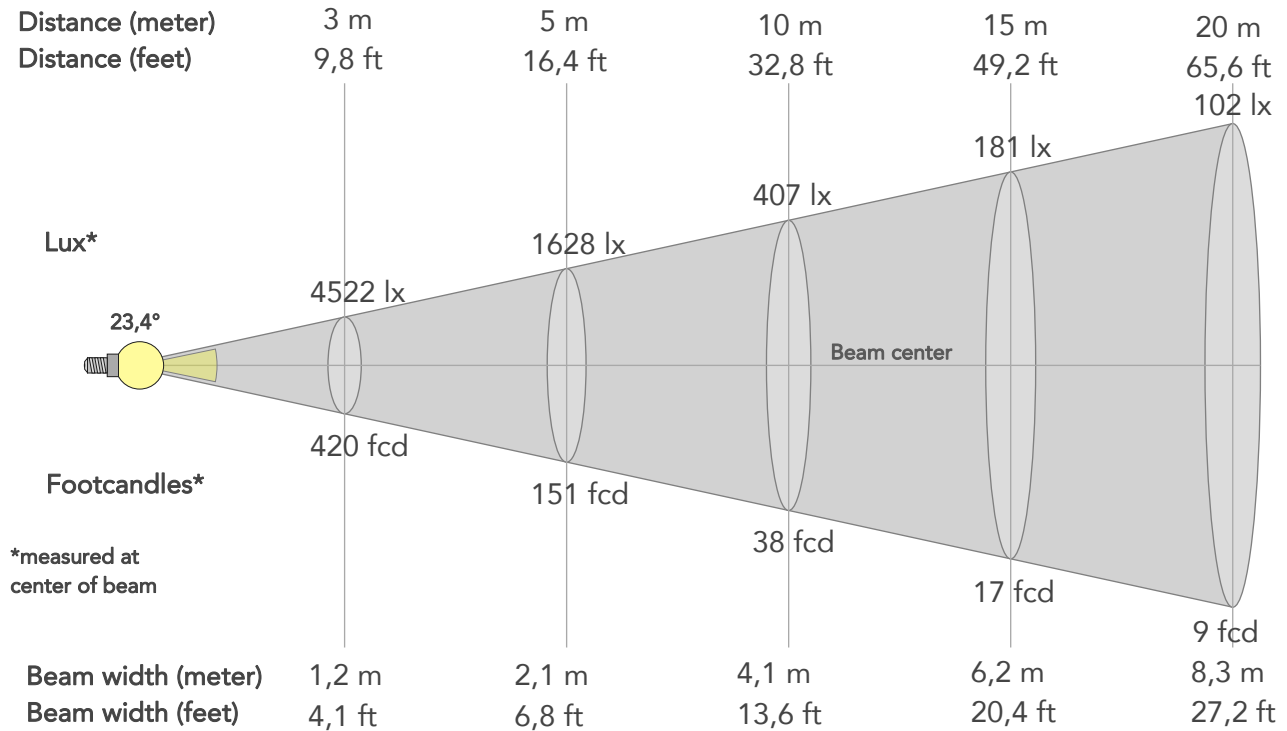
Rg 105,6
Gammut index

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



BEAM DETAILS

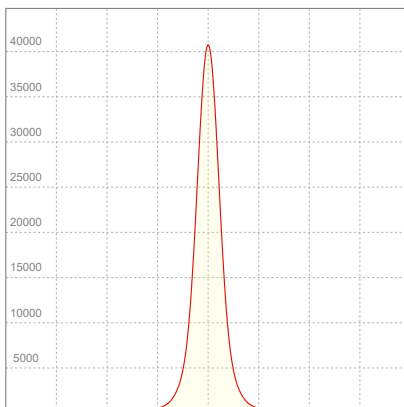
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	47,5°	72,9°	96,3%	91,8%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	40701lx	10175lx	4522lx	2544lx	1628lx	724lx	407lx	181lx	102lx	65lx	45lx	25lx	16lx
Footcand.	3781fcd	945fcd	420fcd	236fcd	151fcd	67fcd	38fcd	17fcd	9fcd	6fcd	4fcd	2fcd	2fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,4m	12,4m	16,6m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34ft	40,7ft	54,3ft	67,9ft

LINEAR DISTRIBUTION DIAGRAM

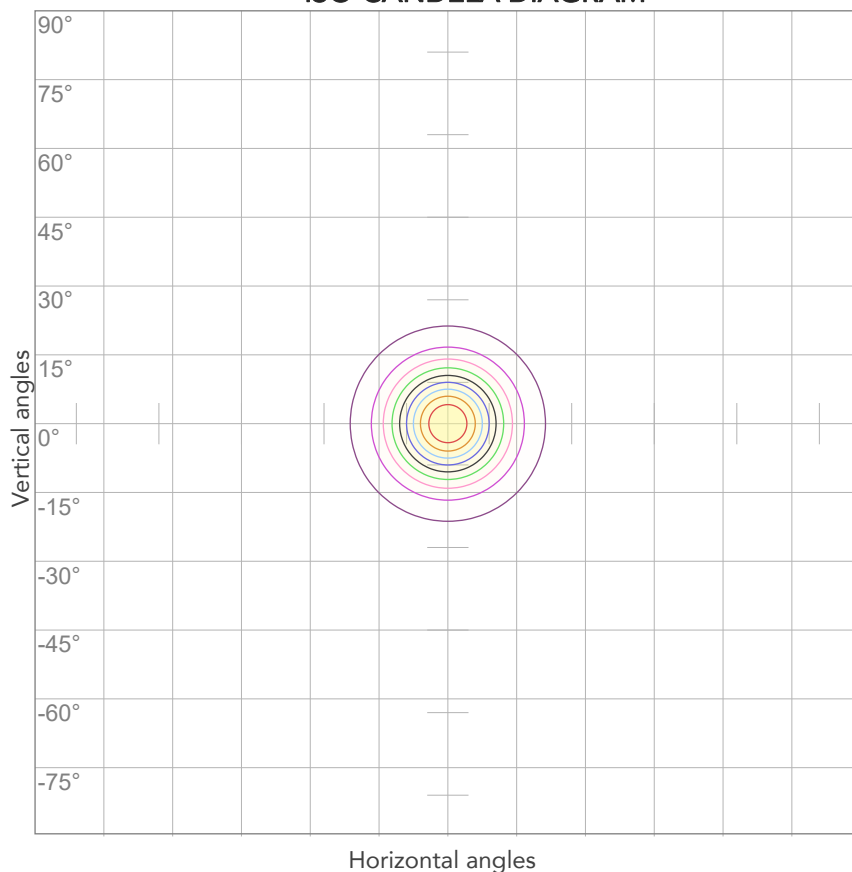


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	1,04A	223,9W	0,96	46lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



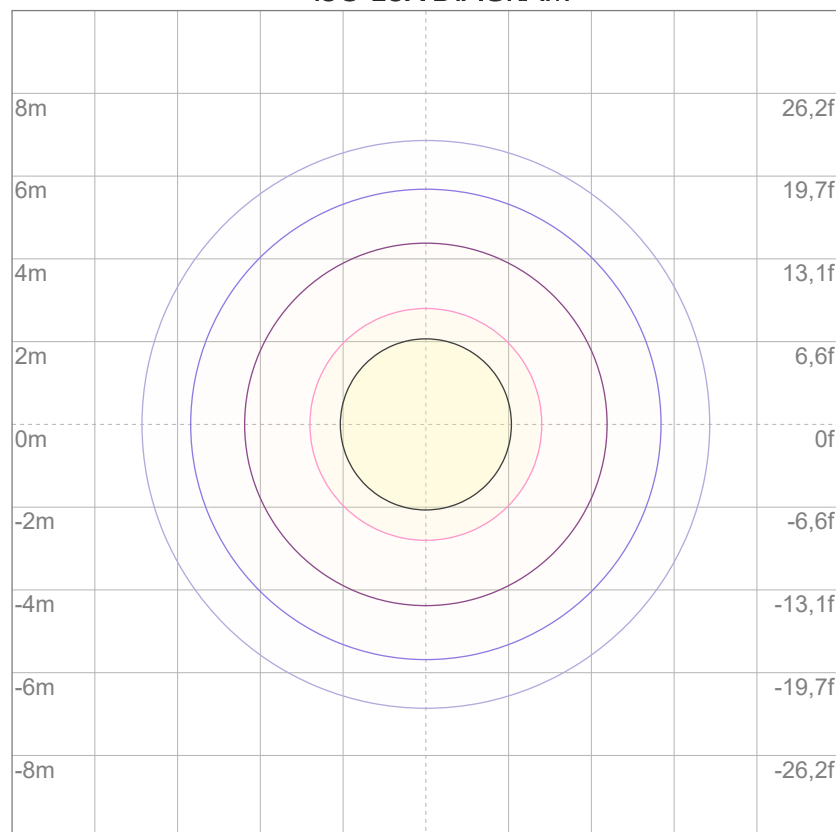
10%	4070 cd
20%	8140 cd
30%	12210 cd
40%	16280 cd
50%	20351 cd
60%	24421 cd
70%	28491 cd
80%	32561 cd

Conditions:

Number of c-planes: 2

Candela at center: 40701 cd

ISO LUX DIAGRAM



3%	12,2 lx
5%	20,4 lx
10%	40,7 lx
30%	122 lx
50%	204 lx

Conditions:

Number of c-planes: 2

Lux at center: 407 lx

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



Total lumen output:

9559 lm

Peak candela output:

12525 cd

Light quality:

CRI: 92,1

Color temperature:

3221 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

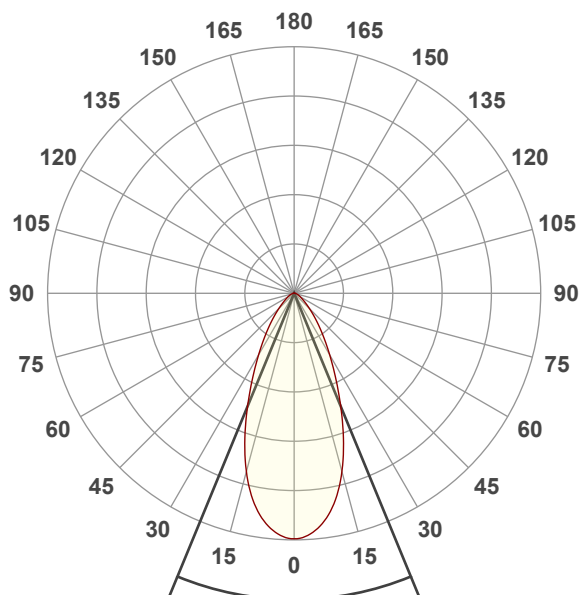
3200K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 15:44:22

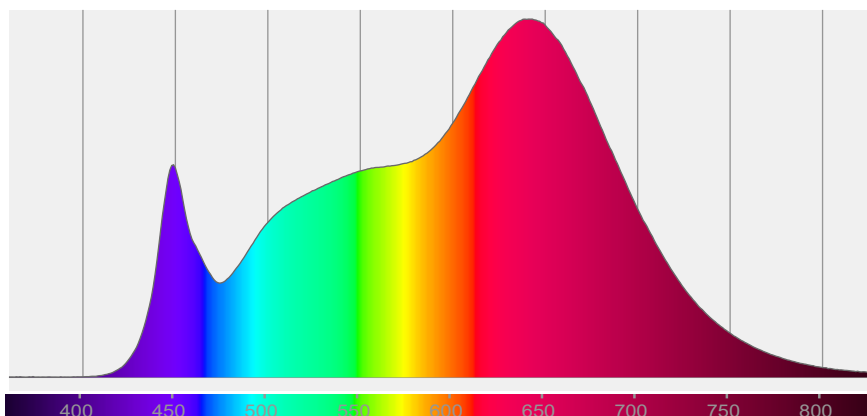


Beam angle 50%: 44,8°

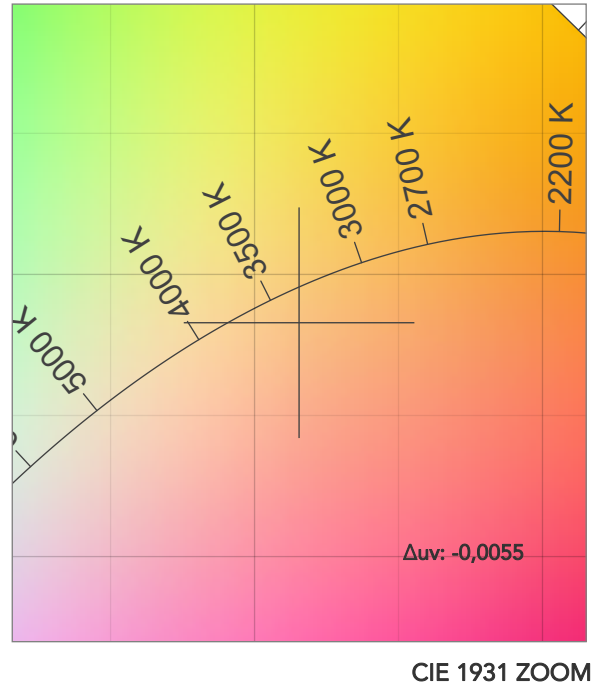
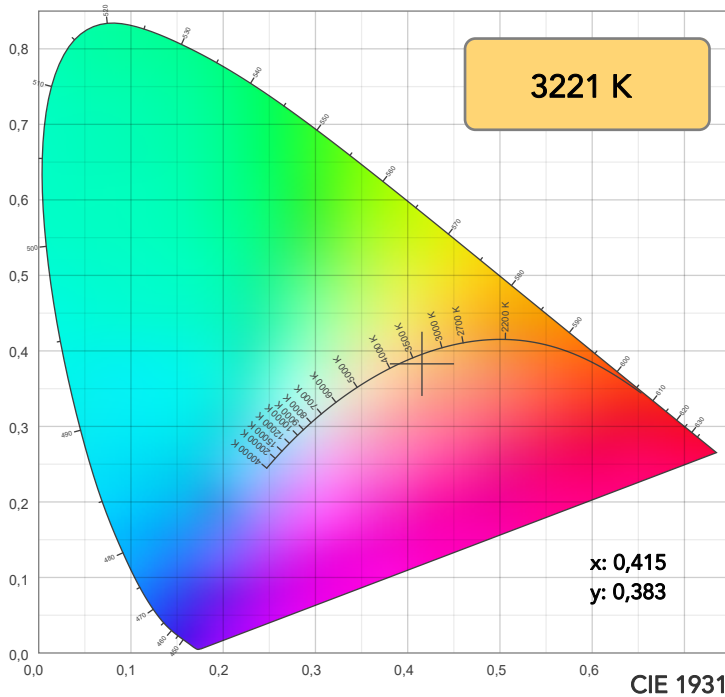
Field angle 10%: 87,2°

Cut off angle 2.5%: 125°

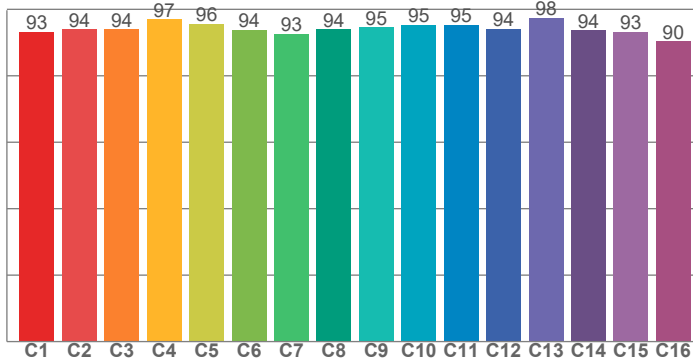
Spectra



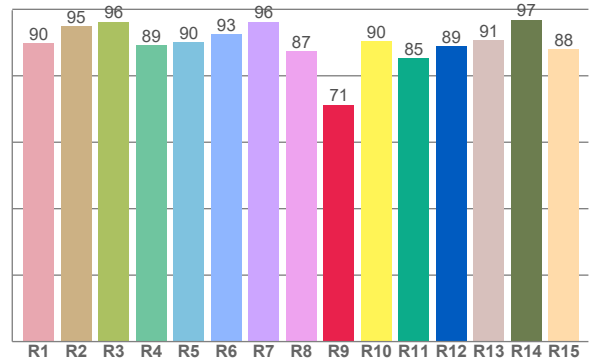
COLOR DETAILS



TM30: 94,4



CRI: 92,1 (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
89,9	94,9	96,3	89,2	90,1	92,6	96,3	87,3	71,3	90,3	85,2	88,9	90,6	96,9	87,9

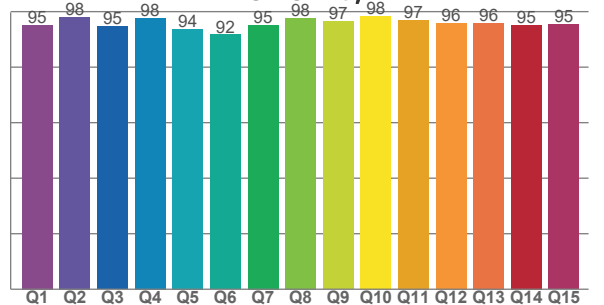
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,1	98,1	94,7	97,7	93,8	91,8	95,2	97,7	96,5	98,4	97,0	95,9	95,9	95,2	95,4

CQS: 95,4



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3221 K	92,1	71,3	94,4	105,7	95,4	98	0,415	0,383	-0,0055

TM30 DETAILS

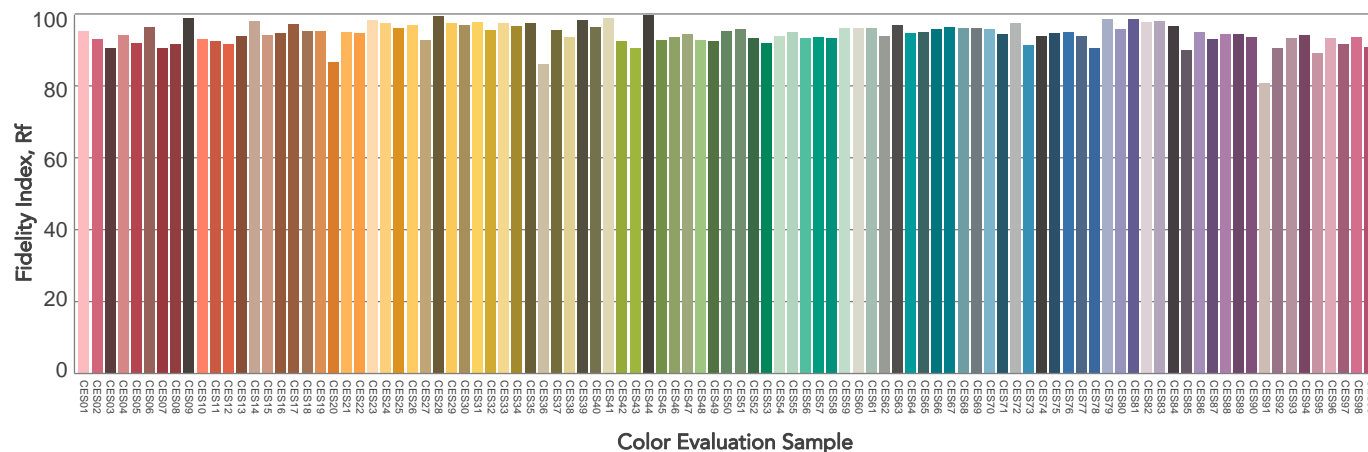
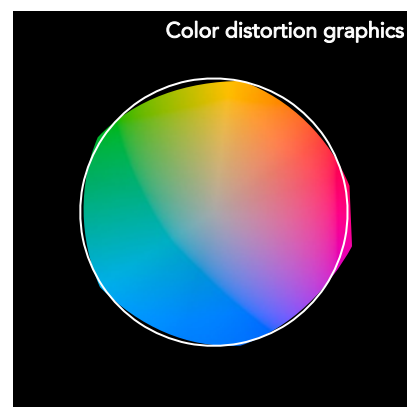
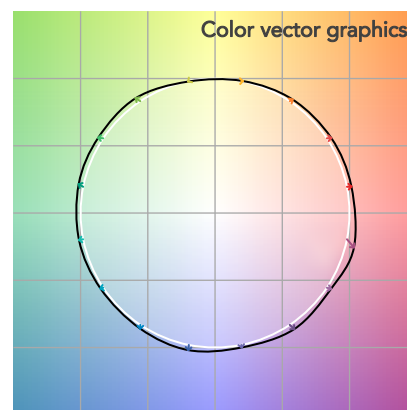
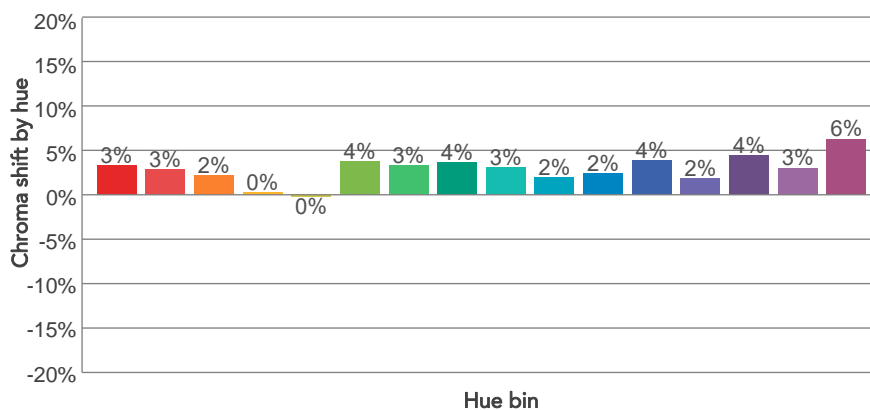
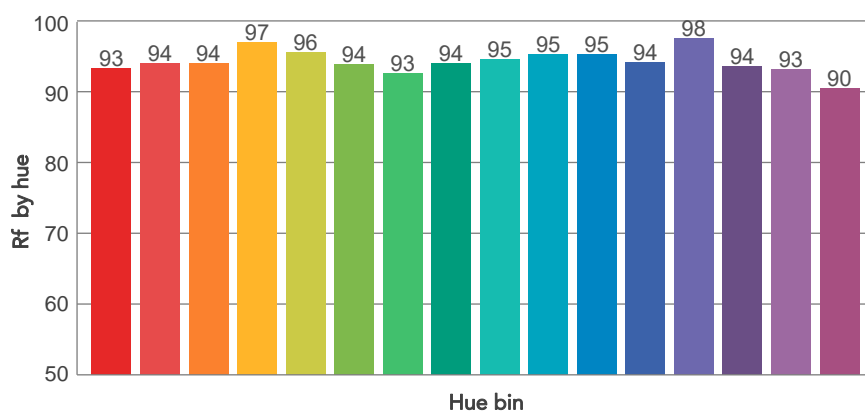
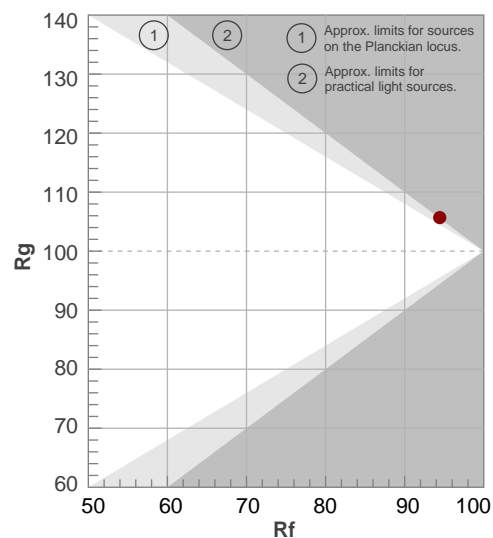
Rf 94,4

Fidelity index R_f

Rg 105,7

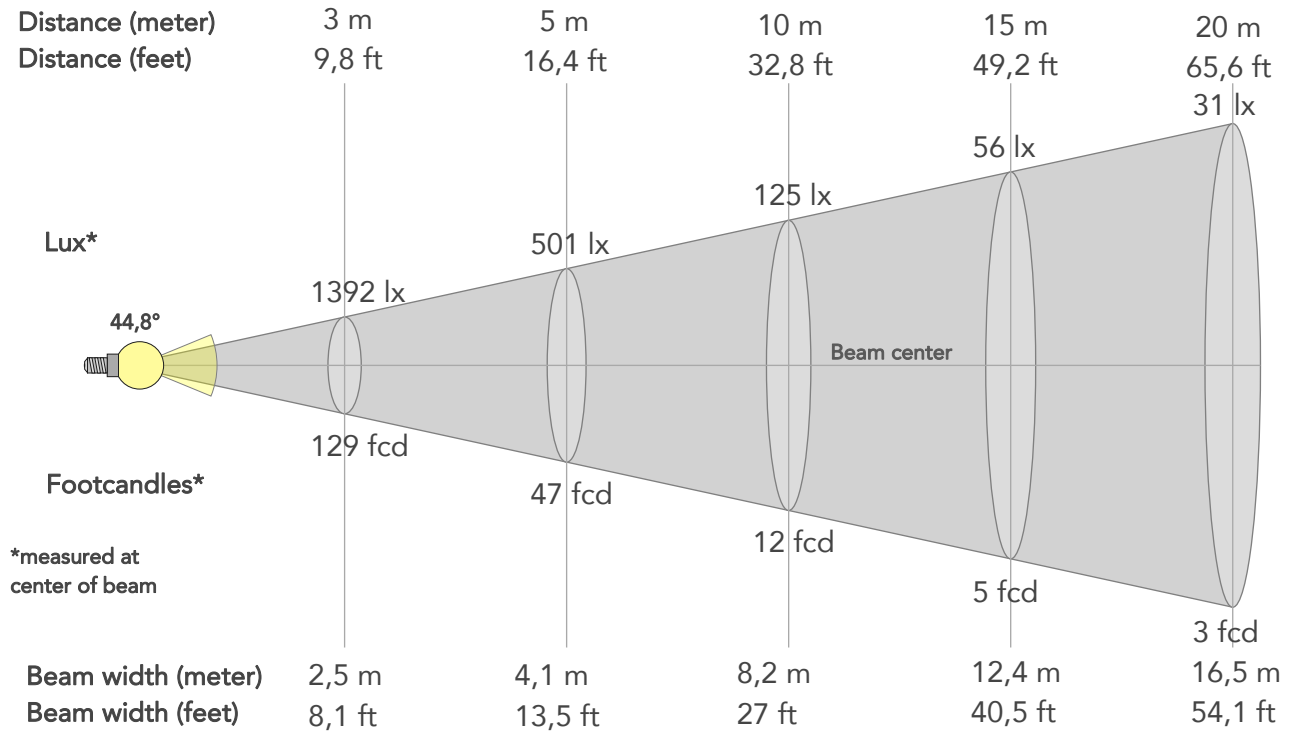
Gammut index

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



BEAM DETAILS

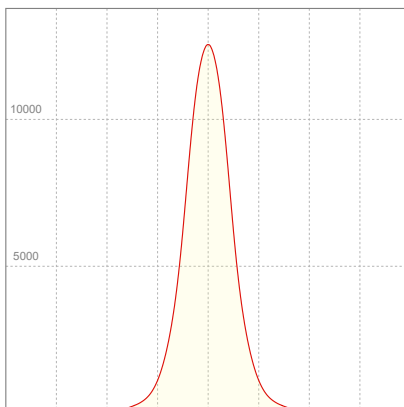
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,8°	87,2°	125°	94,7%	86,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	12525lx	3131lx	1392lx	783lx	501lx	223lx	125lx	56lx	31lx	20lx	14lx	8lx	5lx
Footcand.	1164fcd	291fcd	129fcd	73fcd	47fcd	21fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,4m	16,5m	20,6m	24,7m	33m	41,2m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,3ft	27ft	40,5ft	54,1ft	67,6ft	81,1ft	108,1ft	135,1ft

LINEAR DISTRIBUTION DIAGRAM

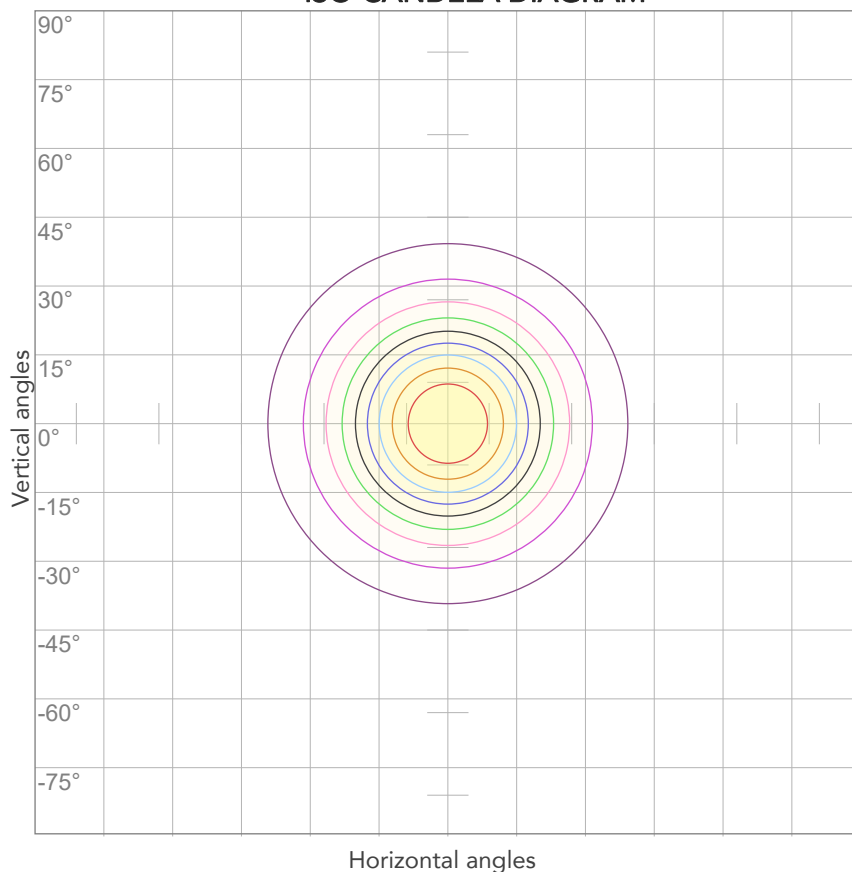


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	1,03A	222,9W	0,96	43lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



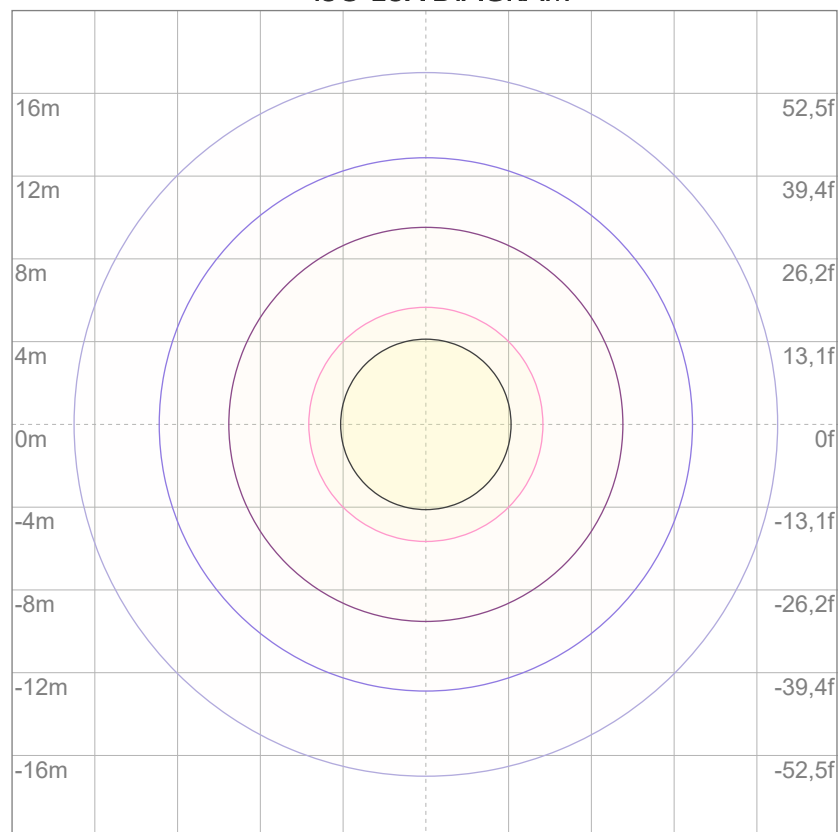
10%	1252 cd
20%	2505 cd
30%	3757 cd
40%	5010 cd
50%	6262 cd
60%	7515 cd
70%	8767 cd
80%	10020 cd

Conditions:

Number of c-planes: 2

Candela at center: 12525 cd

ISO LUX DIAGRAM



3%	3,76 lx
5%	6,26 lx
10%	12,5 lx
30%	37,6 lx
50%	62,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 125 lx

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



Total lumen output:

9480 lm

Peak candela output:

8452 cd

Light quality:

CRI: 91,9

Color temperature:

3214 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

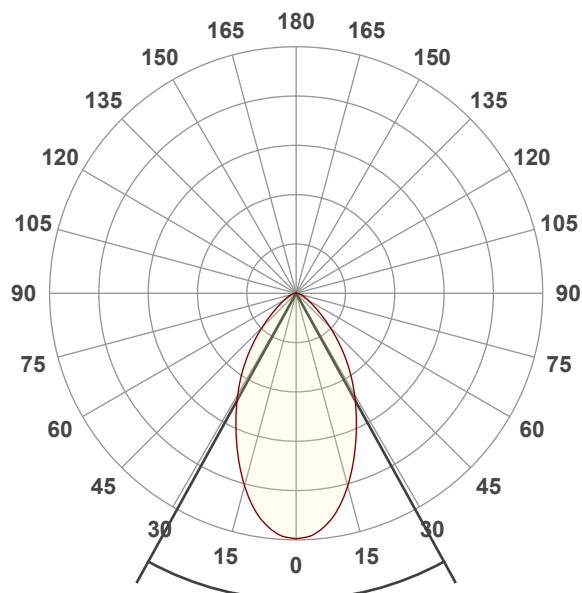
3200K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 15:58:09

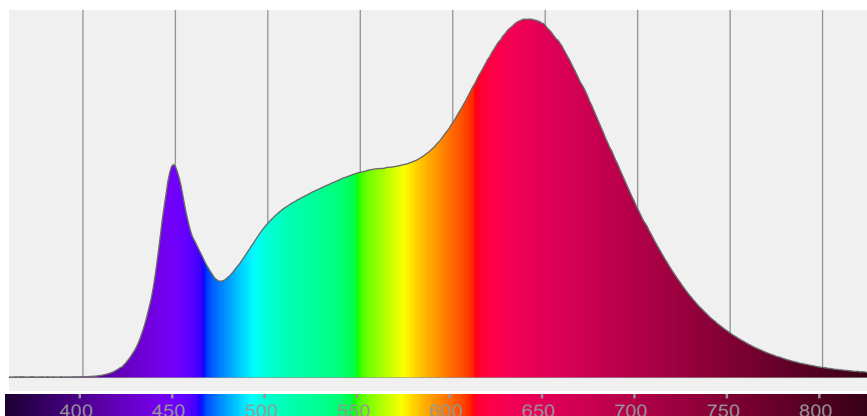


Beam angle 50%: 57,7°

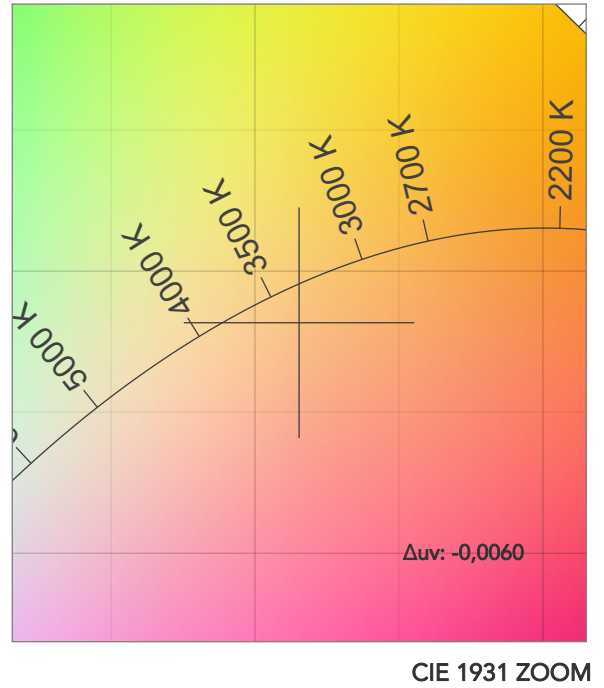
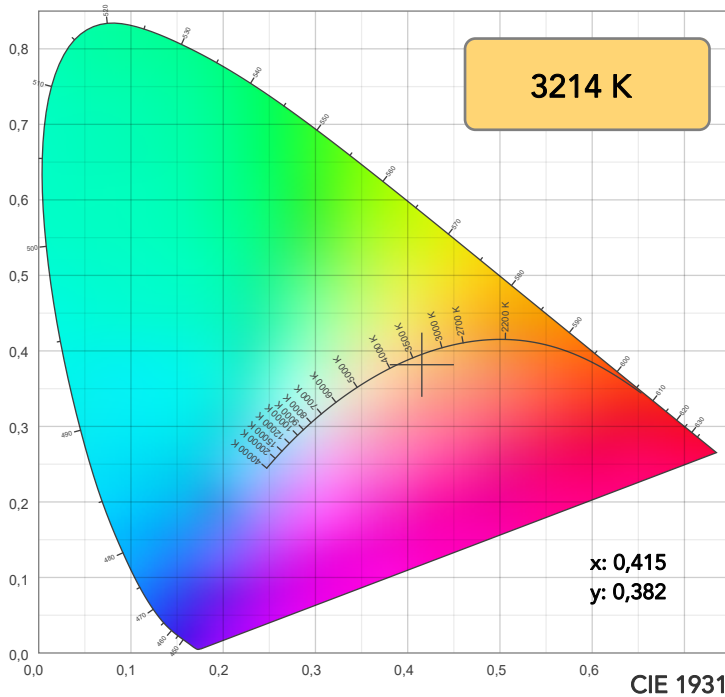
Field angle 10%: 105,9°

Cut off angle 2.5%: 143,8°

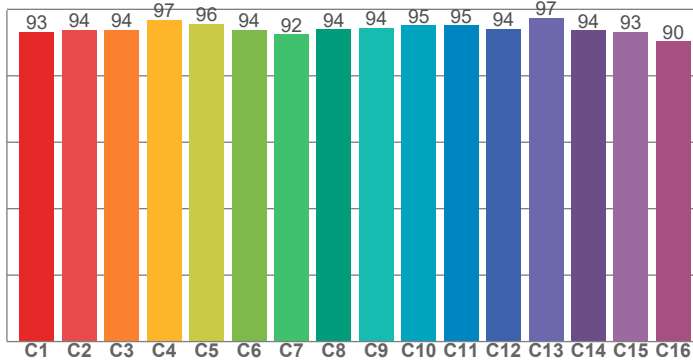
Spectra



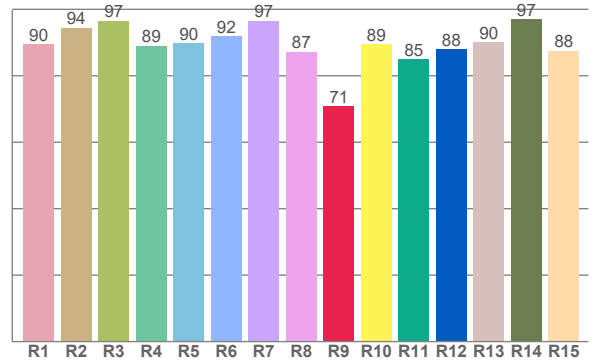
COLOR DETAILS



TM30: 94,3



CRI: 91,9 (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
89,5	94,4	96,6	89,1	89,7	92,0	96,5	87,2	70,9	89,5	85,0	88,0	90,2	97,0	87,5

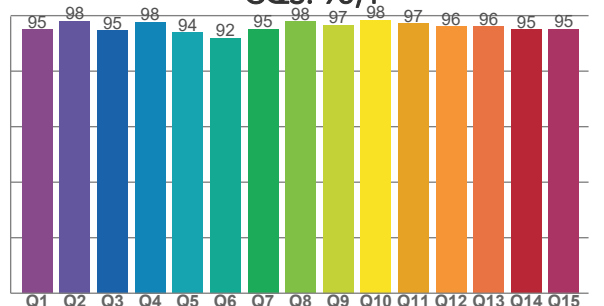
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,0	98,1	94,7	97,7	93,9	91,8	95,1	97,8	96,6	98,4	97,1	96,0	96,1	95,0	95,3

CQS: 95,4



COLOR PARAMETERS

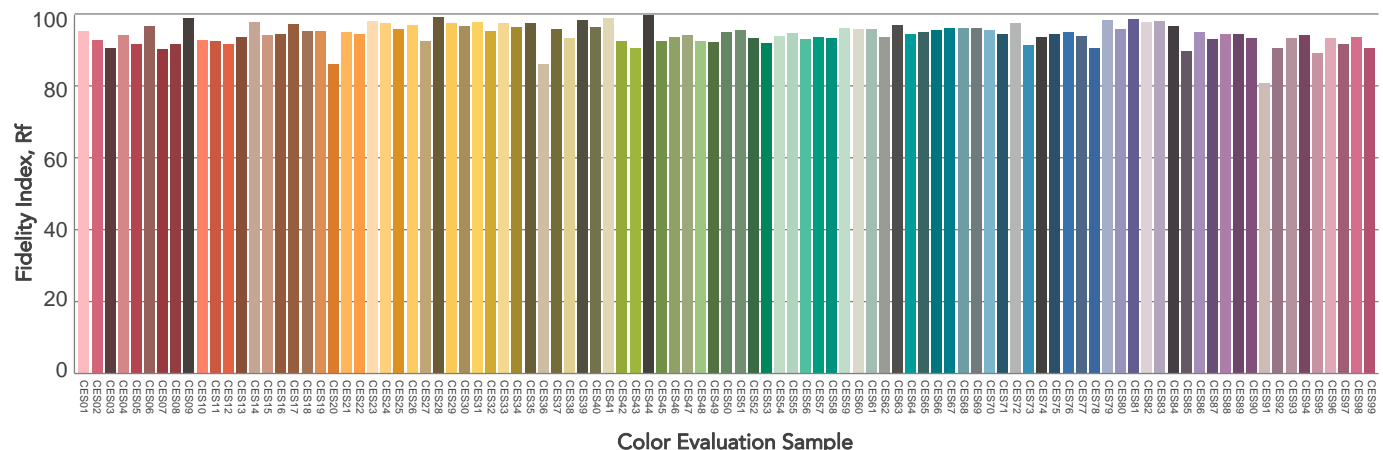
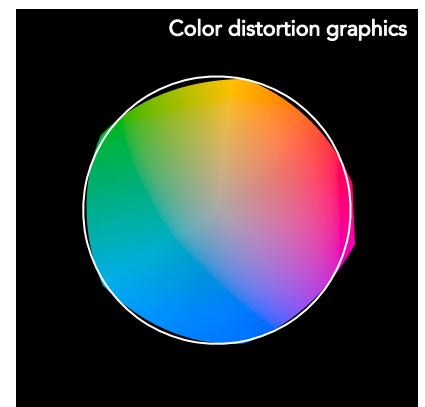
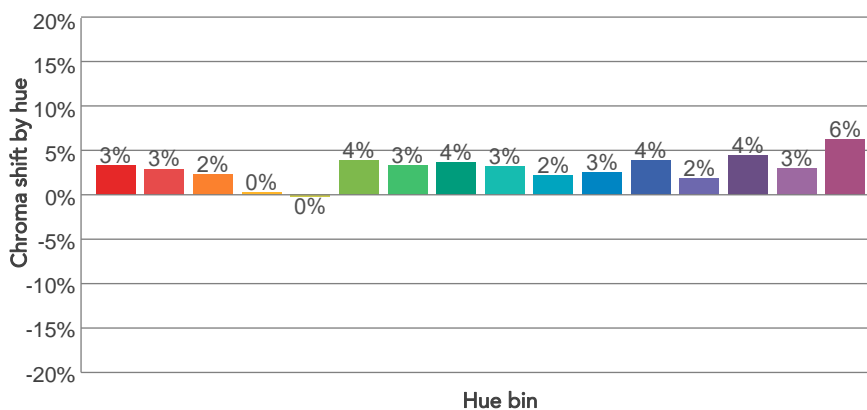
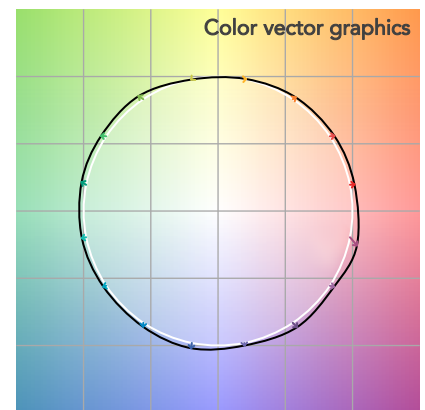
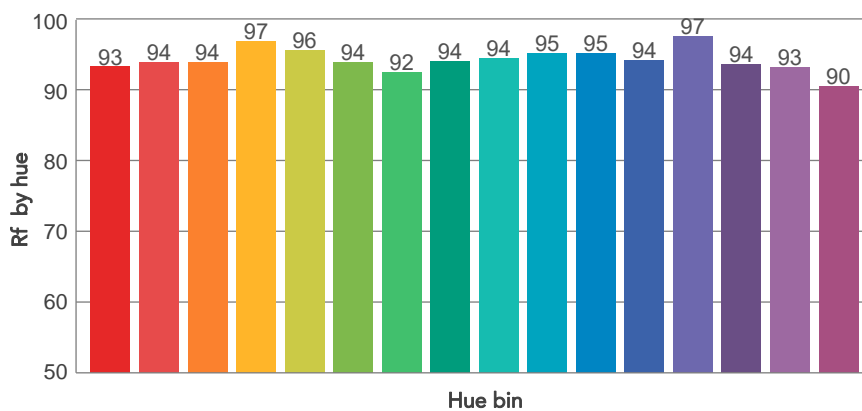
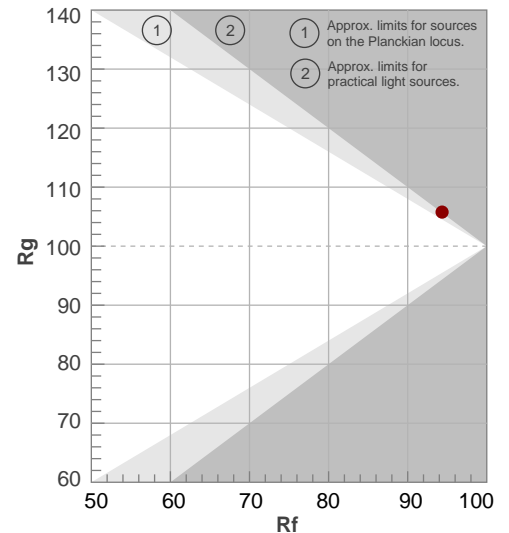
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3214 K	91,9	70,9	94,3	105,8	95,4	98	0,415	0,382	-0,0060

TM30 DETAILS

Rf 94,3
Fidelity index Rf

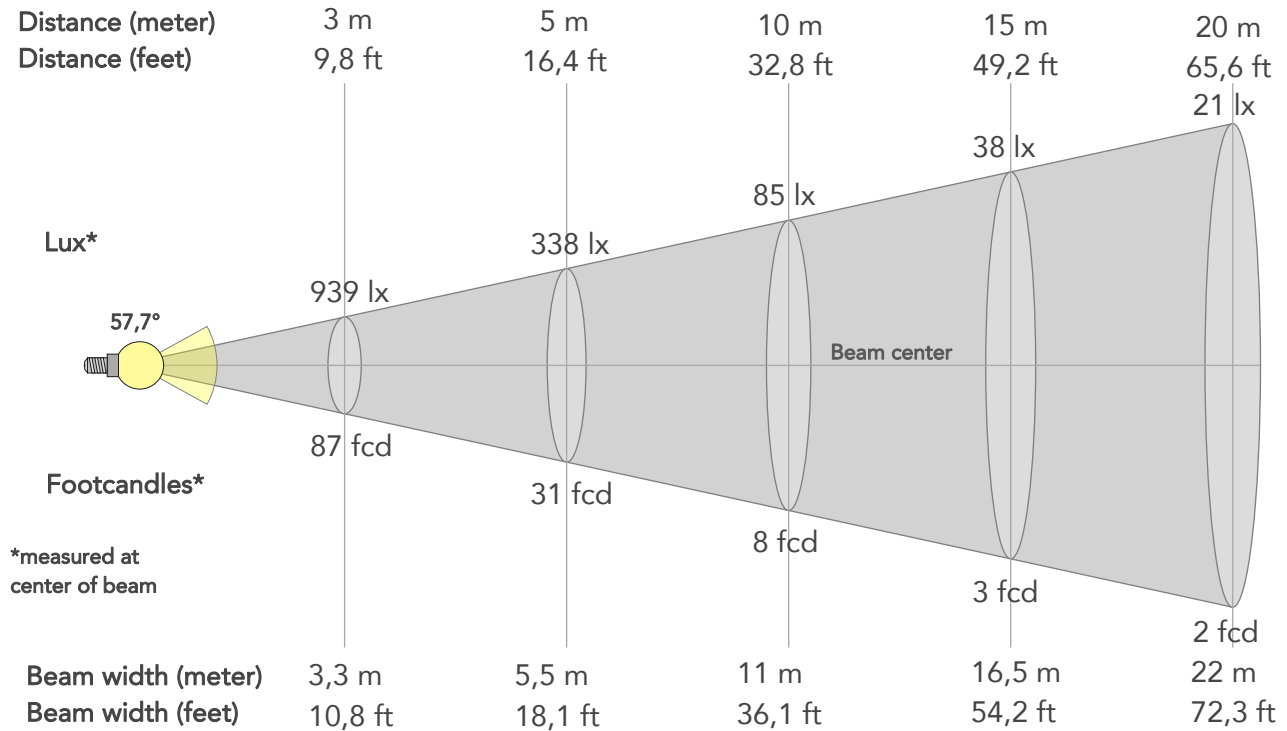
Rg 105,8
Gammut index

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



BEAM DETAILS

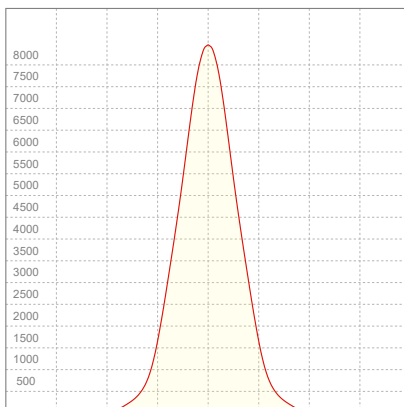
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,7°	105,9°	143,8°	93,5%	80,8%



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	8452lx	2113lx	939lx	528lx	338lx	150lx	85lx	38lx	21lx	14lx	9lx	5lx	3lx
Footcand.	785fcd	196fcd	87fcd	49fcd	31fcd	14fcd	8fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,3m	11m	16,5m	22m	27,6m	33,1m	44,1m	55,1m
Beam wid.	3,6ft	7,3ft	10,8ft	14,4ft	18,1ft	27,1ft	36,1ft	54,2ft	72,3ft	90,4ft	108,4ft	144,6ft	180,7ft

LINEAR DISTRIBUTION DIAGRAM

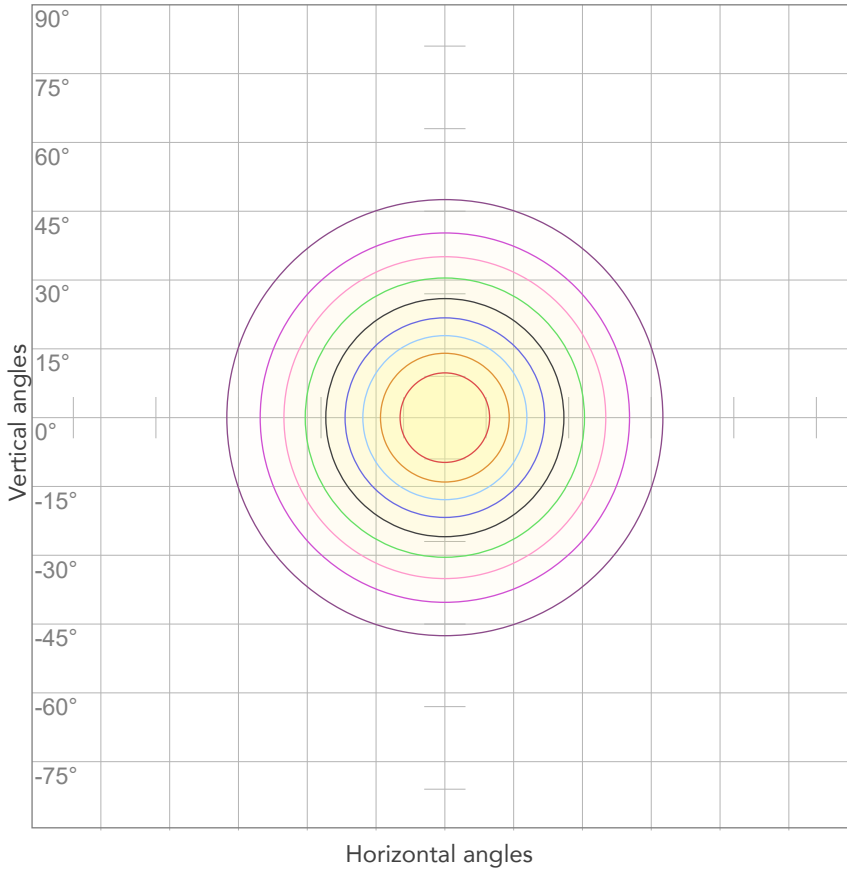


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	1,03A	221,8W	0,96	43lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



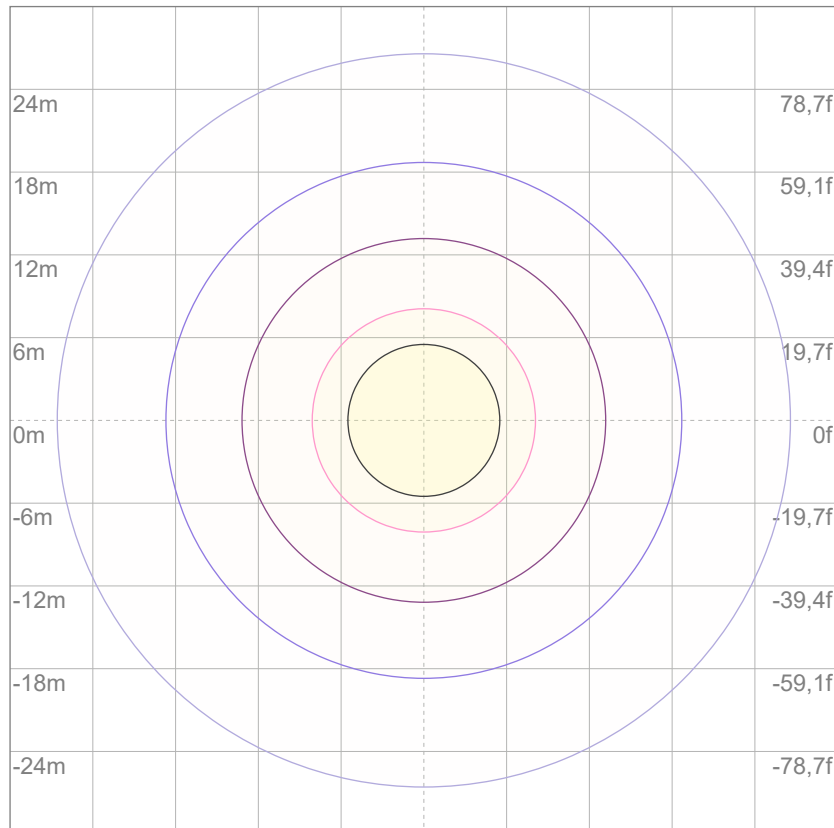
10%	845 cd
20%	1690 cd
30%	2536 cd
40%	3381 cd
50%	4226 cd
60%	5071 cd
70%	5916 cd
80%	6761 cd

Conditions:

Number of c-planes: 2

Candela at center: 8452 cd

ISO LUX DIAGRAM



3%	2,54 lx
5%	4,23 lx
10%	8,45 lx
30%	25,4 lx
50%	42,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 84,5 lx

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



Total lumen output:

10745 lm

Peak candela output:

18244 cd

Light quality:

CRI: 92,0

Color temperature:

3175 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

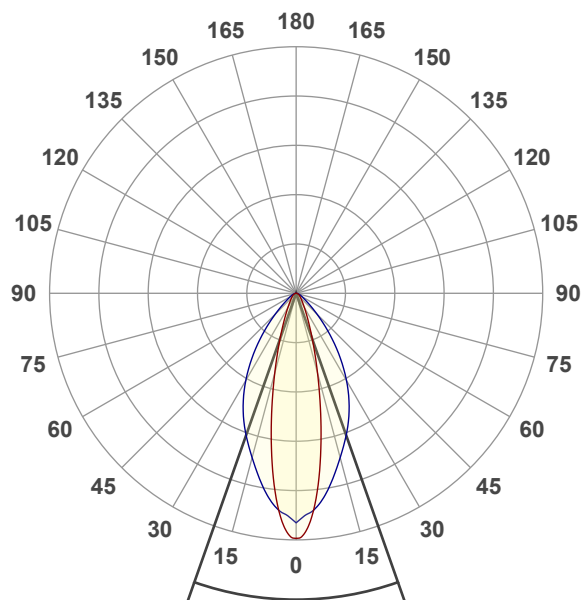
3200K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 17:32:49

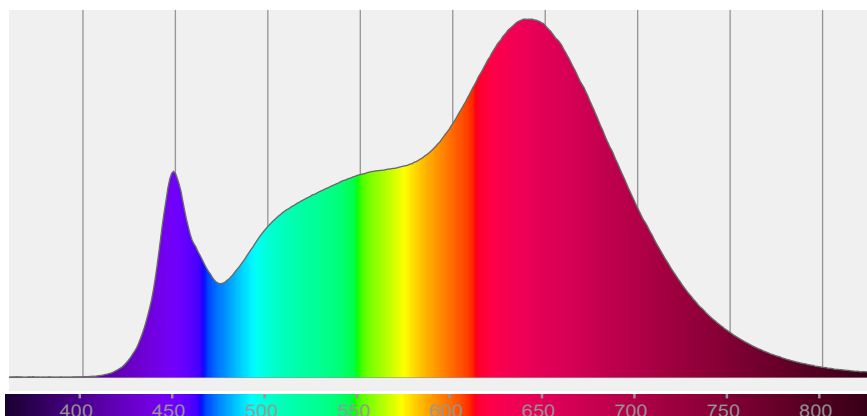


Beam angle 50%: 38,8°

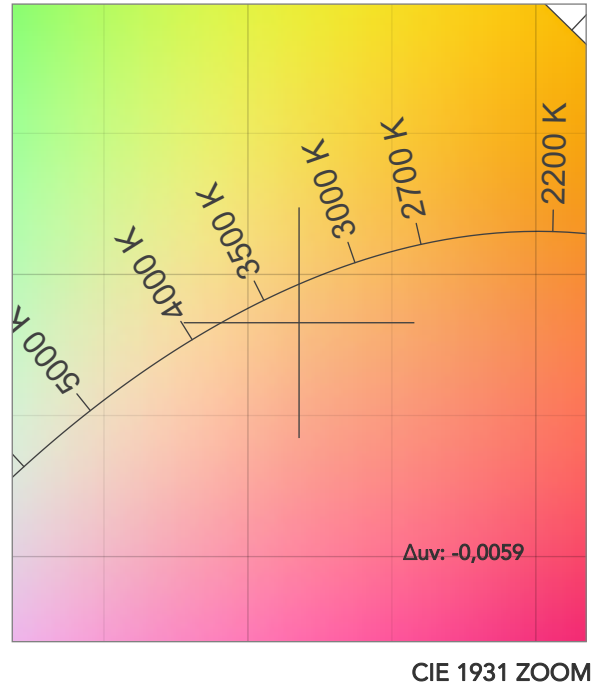
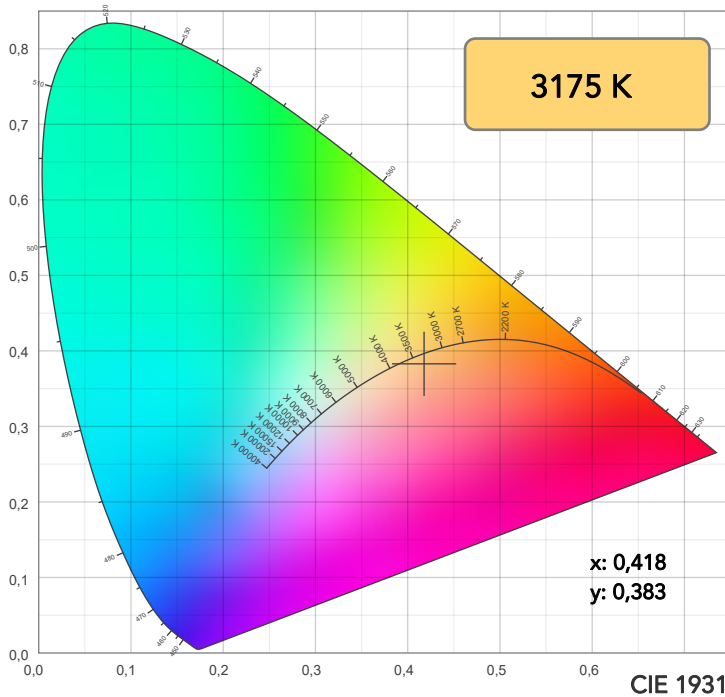
Field angle 10%: 73°

Cut off angle 2.5%: 108,4°

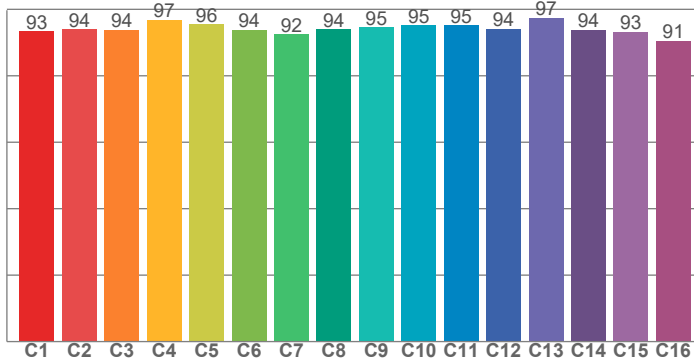
Spectra



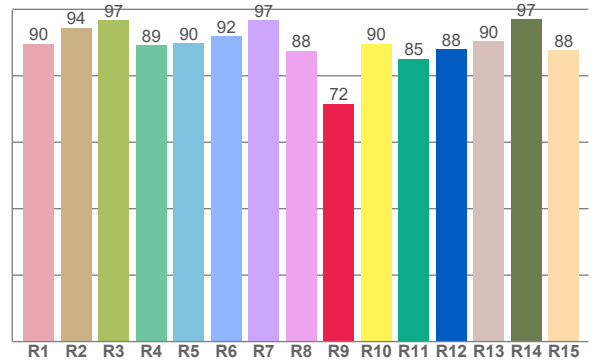
COLOR DETAILS



TM30: 94,4



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
89,7	94,5	96,7	89,2	89,8	92,0	96,6	87,5	71,6	89,6	85,1	88,0	90,3	97,1	87,8

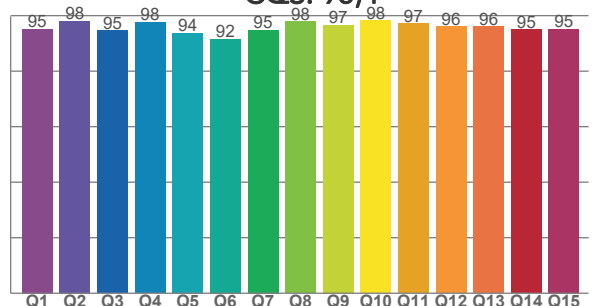
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,1	98,1	94,7	97,6	93,8	91,7	94,9	97,9	96,6	98,2	97,1	96,0	96,1	94,9	95,3

CQS: 95,4



COLOR PARAMETERS

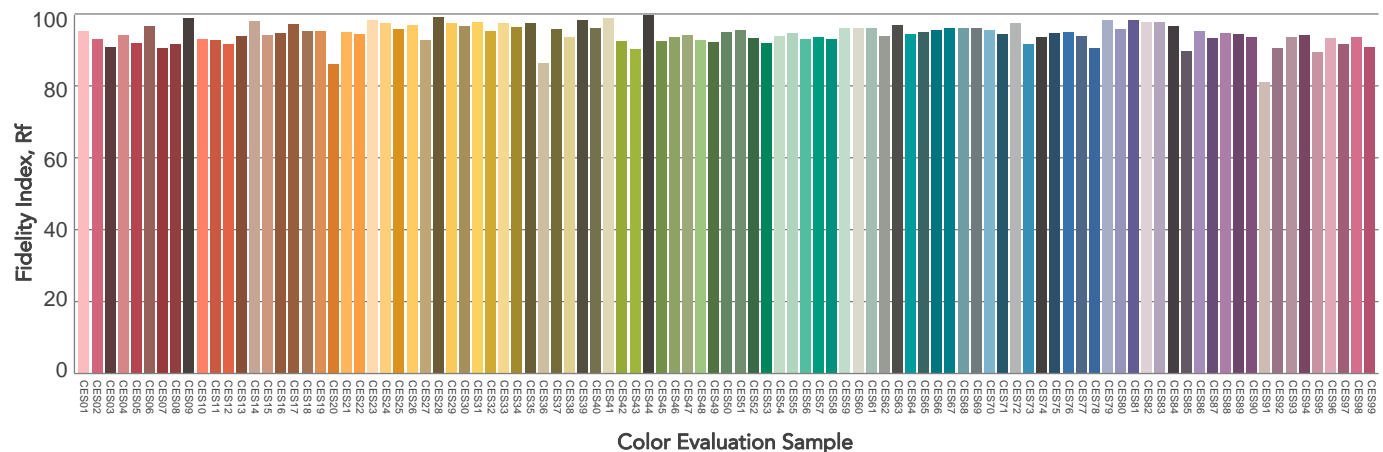
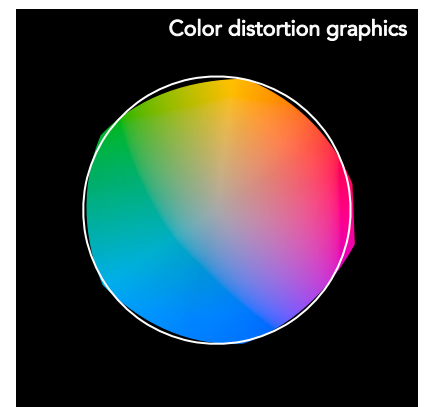
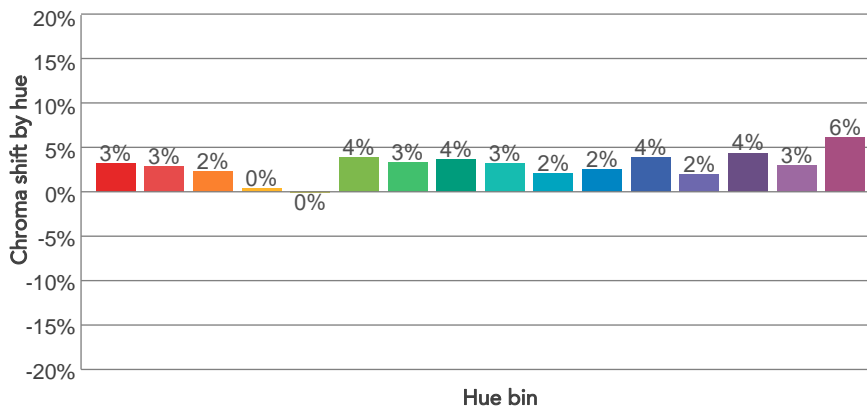
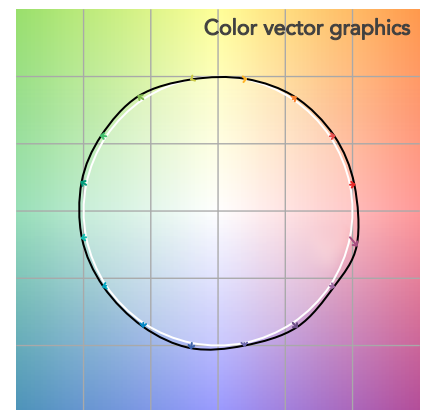
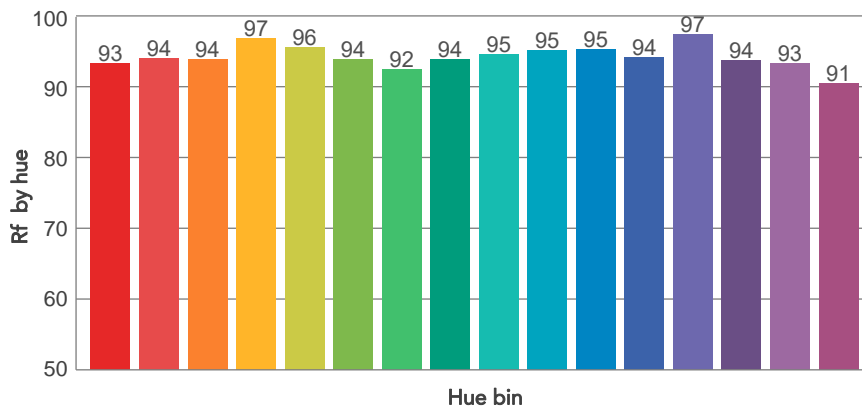
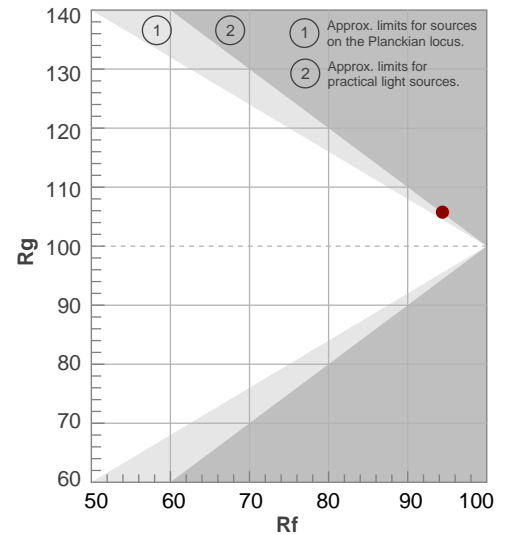
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3175 K	92,0	71,6	94,4	105,8	95,4	98	0,418	0,383	-0,0059

TM30 DETAILS

Rf 94,4
Fidelity index Rf

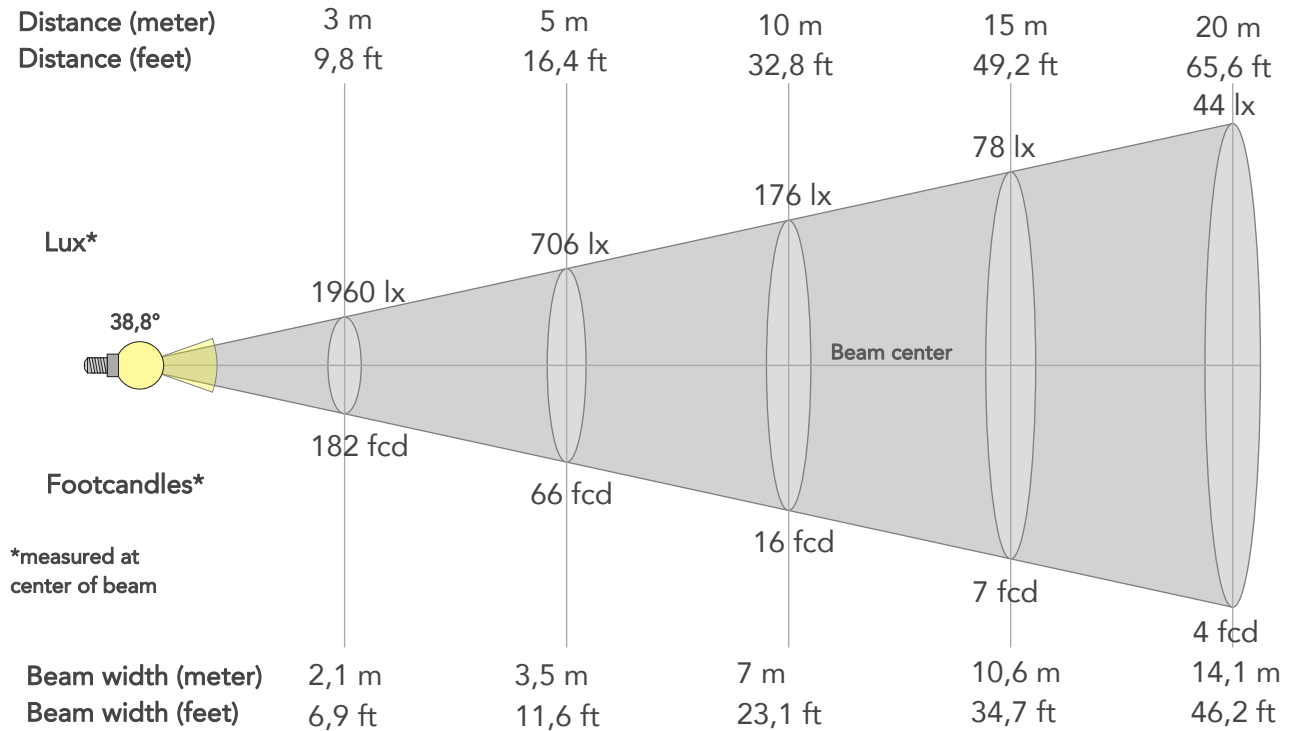
Rg 105,8
Gammut index

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



BEAM DETAILS

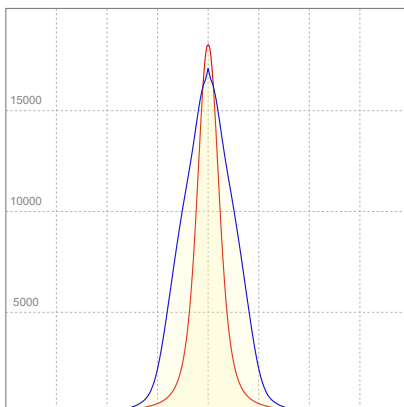
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38,8°	73°	108,4°	94,8%	86,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	17641lx	4410lx	1960lx	1103lx	706lx	314lx	176lx	78lx	44lx	28lx	20lx	11lx	7lx
Footcand.	1639fcd	410fcd	182fcd	102fcd	66fcd	29fcd	16fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,7m	1,4m	2,1m	2,8m	3,5m	5,3m	7m	10,6m	14,1m	17,6m	21,1m	28,2m	35,2m
Beam wid.	2,3ft	4,7ft	6,9ft	9,2ft	11,6ft	17,3ft	23,1ft	34,7ft	46,2ft	57,8ft	69,3ft	92,5ft	115,6ft

LINEAR DISTRIBUTION DIAGRAM

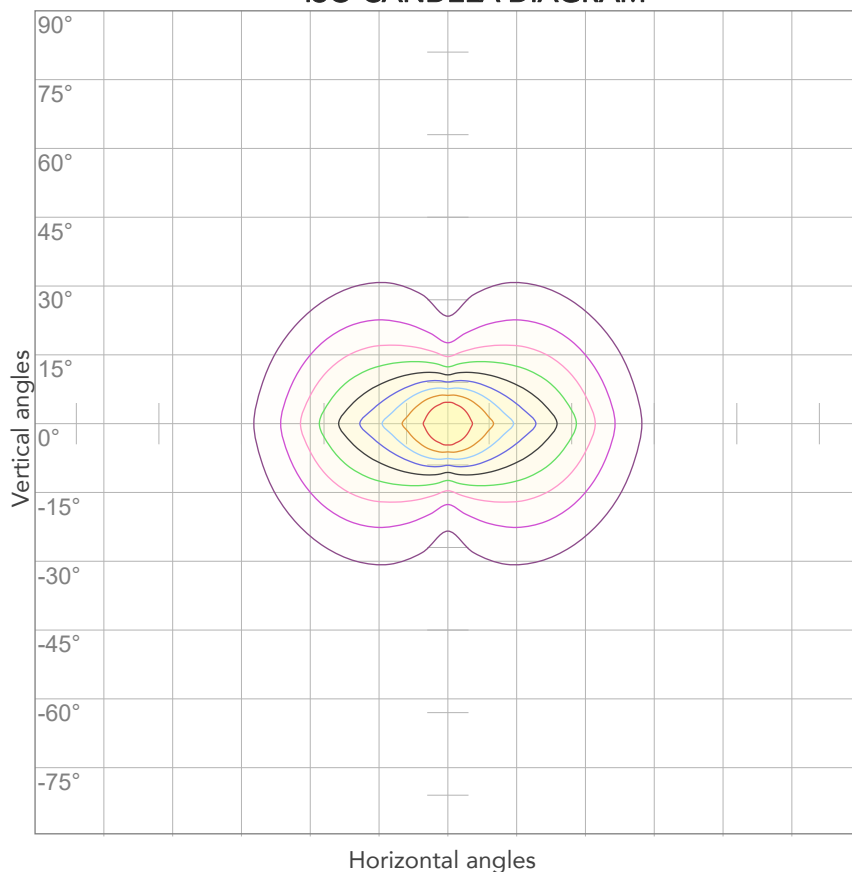


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	1,03A	221,7W	0,96	48lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



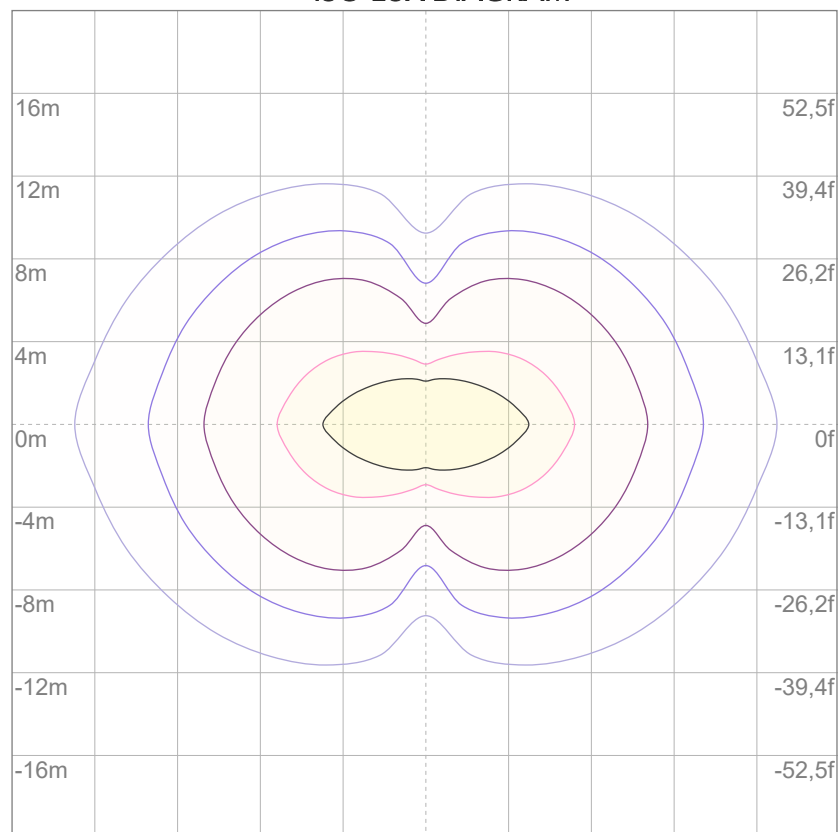
10%	1764 cd
20%	3528 cd
30%	5292 cd
40%	7056 cd
50%	8820 cd
60%	10584 cd
70%	12348 cd
80%	14113 cd

Conditions:

Number of c-planes: 4

Candela at center: 17641 cd

ISO LUX DIAGRAM



3%	5,29 lx
5%	8,82 lx
10%	17,6 lx
30%	52,9 lx
50%	88,2 lx

Conditions:

Number of c-planes: 4

Lux at center: 176 lx

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



Total lumen output:

10672 lm

Peak candela output:

14943 cd

Light quality:

CRI: 91,7

Color temperature:

3213 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

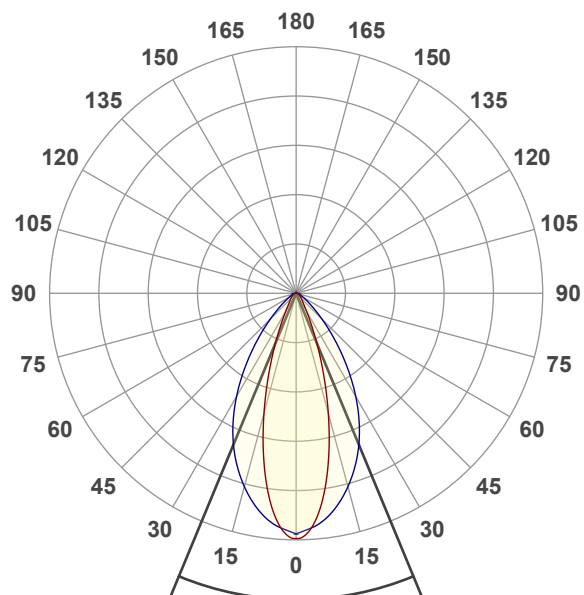
3200K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 17:58:09

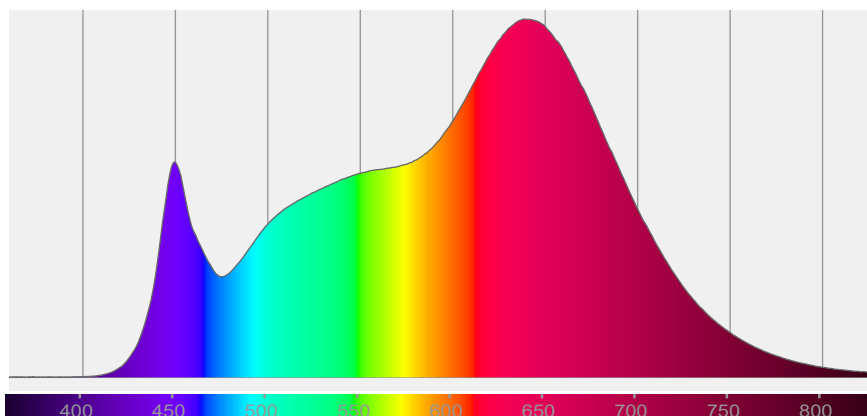


Beam angle 50%: 45°

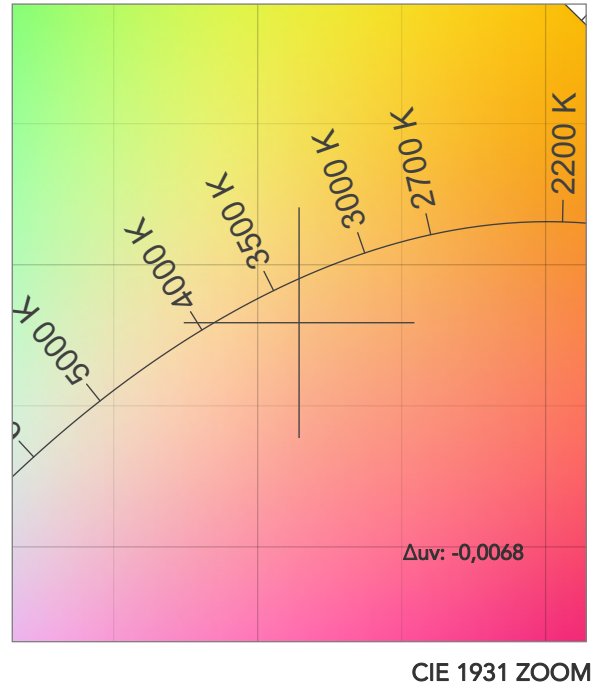
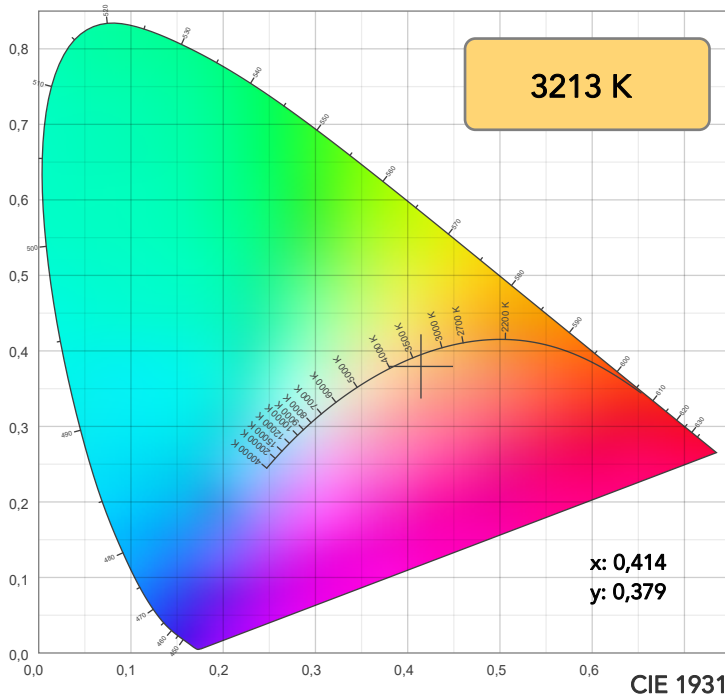
Field angle 10%: 77,8°

Cut off angle 2.5%: 113,2°

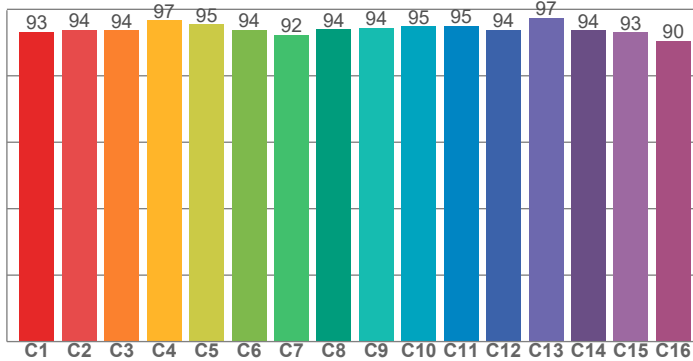
Spectra



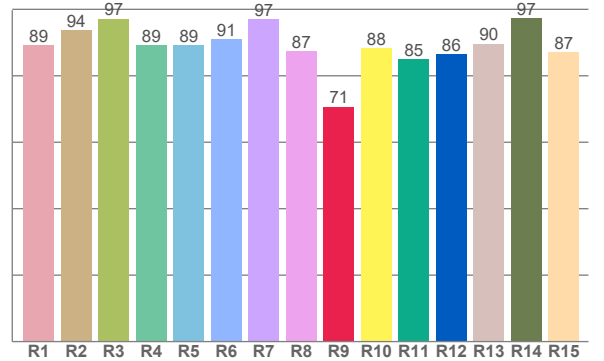
COLOR DETAILS



TM30: 94,3



CRI: 91,7 (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
89,1	93,8	97,2	89,2	89,2	91,0	97,0	87,5	70,7	88,2	84,9	86,5	89,6	97,3	87,1

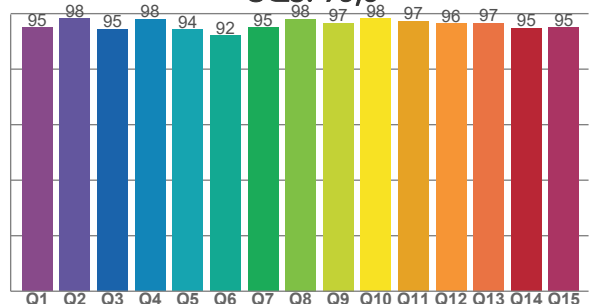
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 95,5



COLOR PARAMETERS

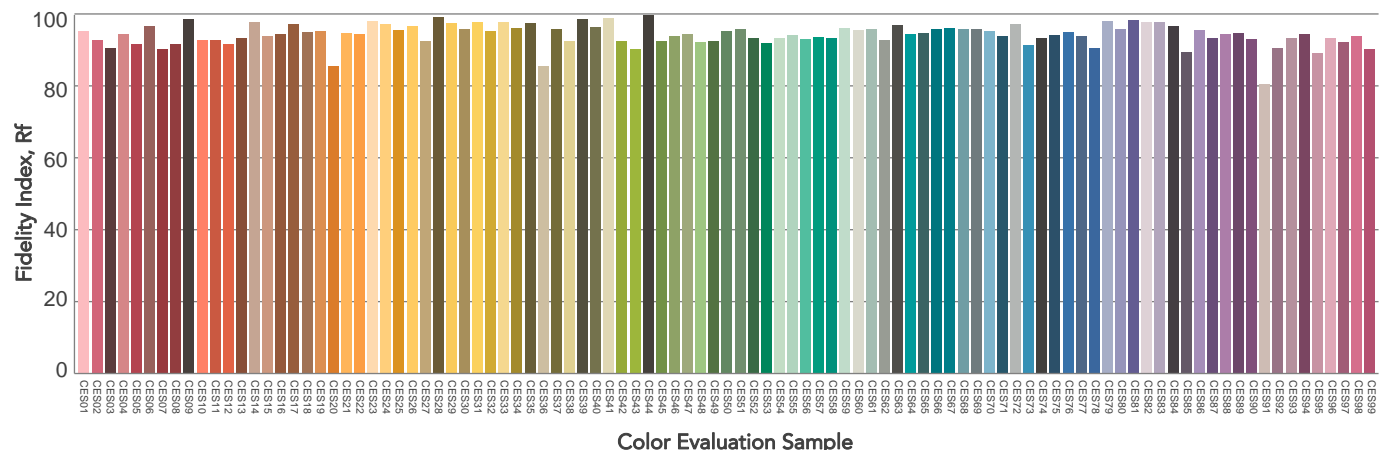
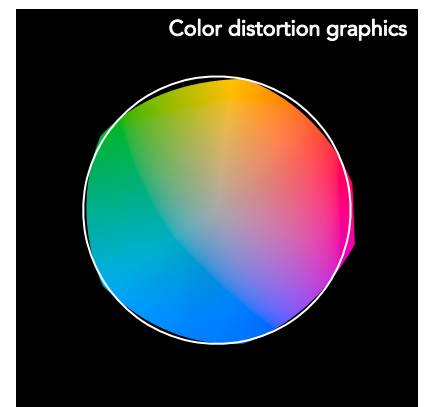
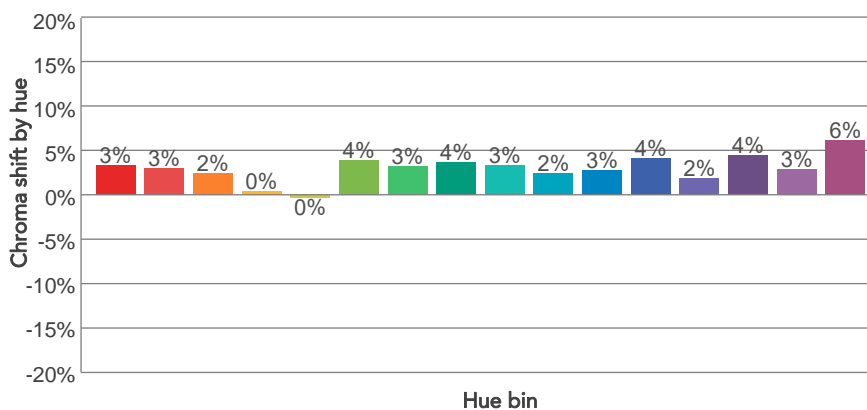
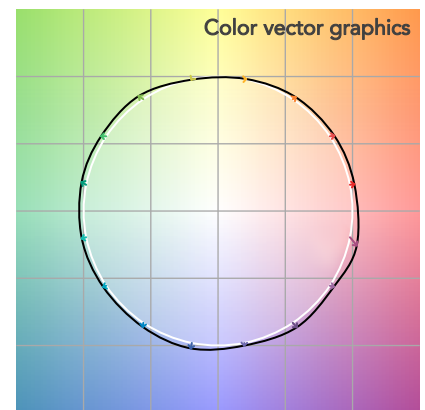
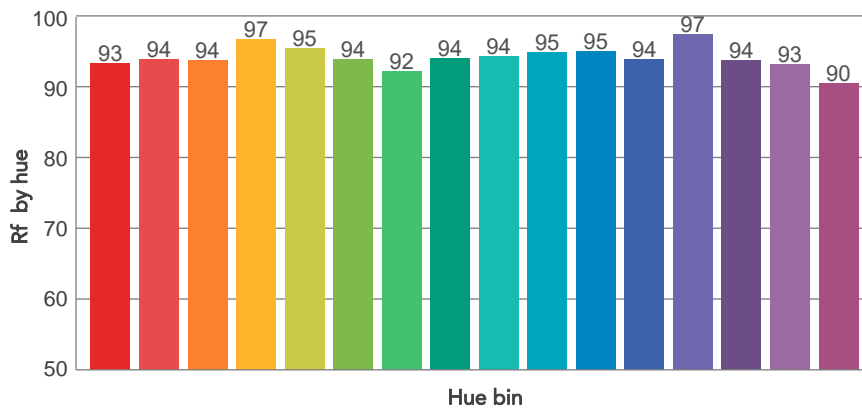
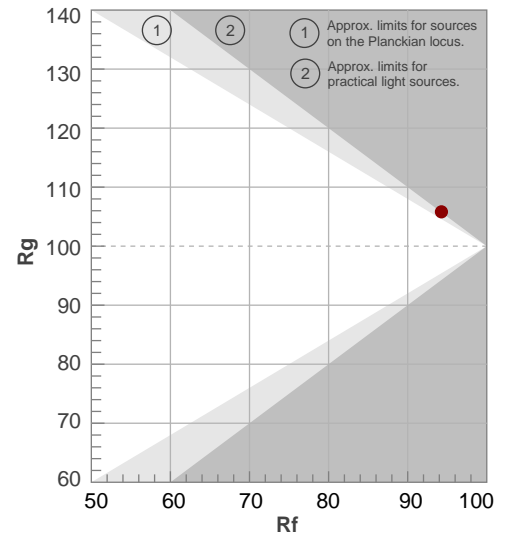
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3213 K	91,7	70,7	94,3	105,8	95,5	98	0,414	0,379	-0,0068

TM30 DETAILS

Rf 94,3
Fidelity index Rf

Rg 105,8
Gammut index

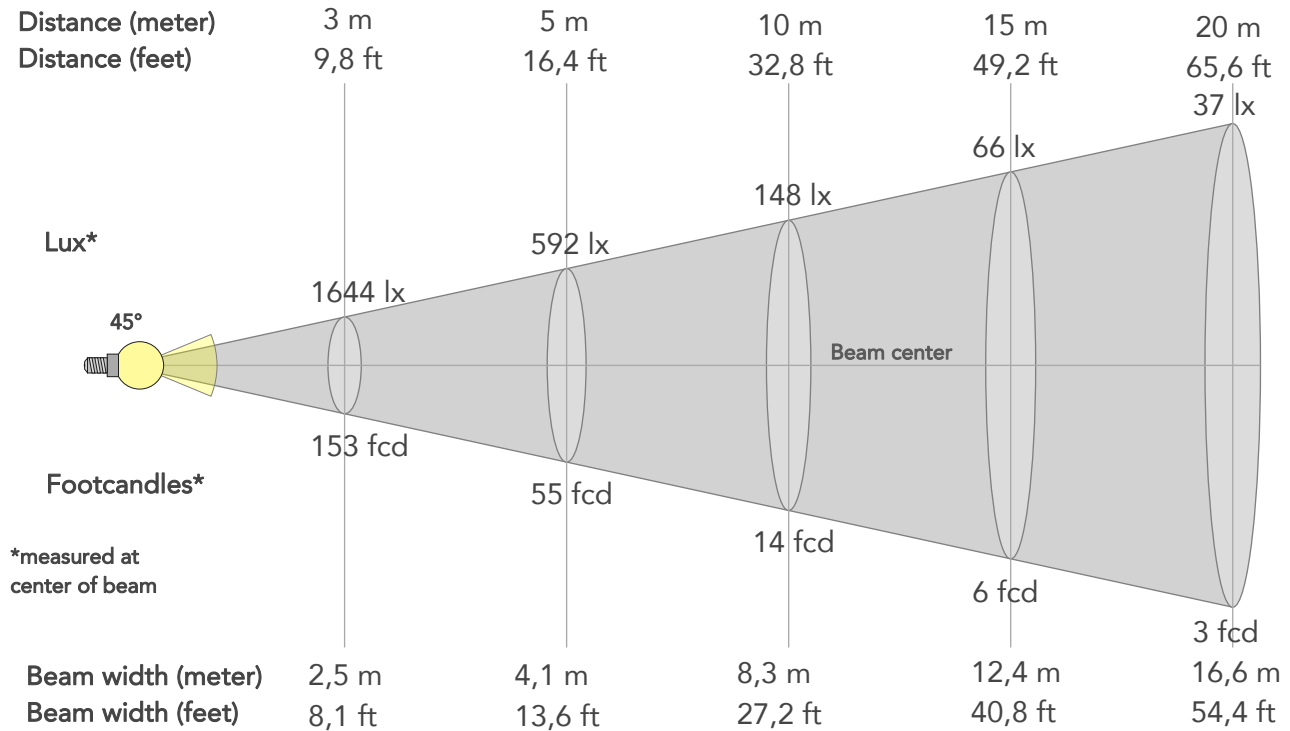
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	3%	0%
2	94	3%	-1%
3	94	2%	-1%
4	97	0%	-1%
5	95	0%	0%
6	94	4%	2%
7	92	3%	2%
8	94	4%	-1%
9	94	3%	0%
10	95	2%	0%
11	95	3%	1%
12	94	4%	0%
13	97	2%	0%
14	94	4%	1%
15	93	3%	1%
16	90	6%	-5%



BEAM DETAILS



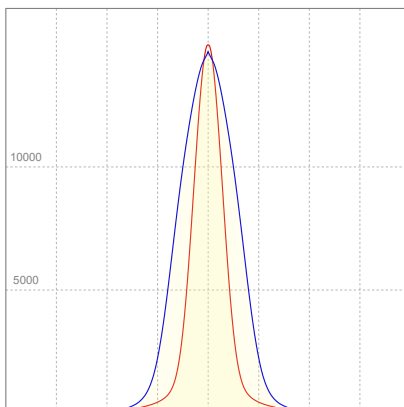
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45°	77,8°	113,2°	95,1%	86,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	14796lx	3699lx	1644lx	925lx	592lx	263lx	148lx	66lx	37lx	24lx	16lx	9lx	6lx
Footcand.	1375fcd	344fcd	153fcd	86fcd	55fcd	24fcd	14fcd	6fcd	3fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,1m	6,2m	8,3m	12,4m	16,6m	20,7m	24,9m	33,1m	41,4m
Beam wid.	2,7ft	5,5ft	8,1ft	10,9ft	13,6ft	20,4ft	27,2ft	40,8ft	54,4ft	67,9ft	81,5ft	108,7ft	135,9ft

LINEAR DISTRIBUTION DIAGRAM

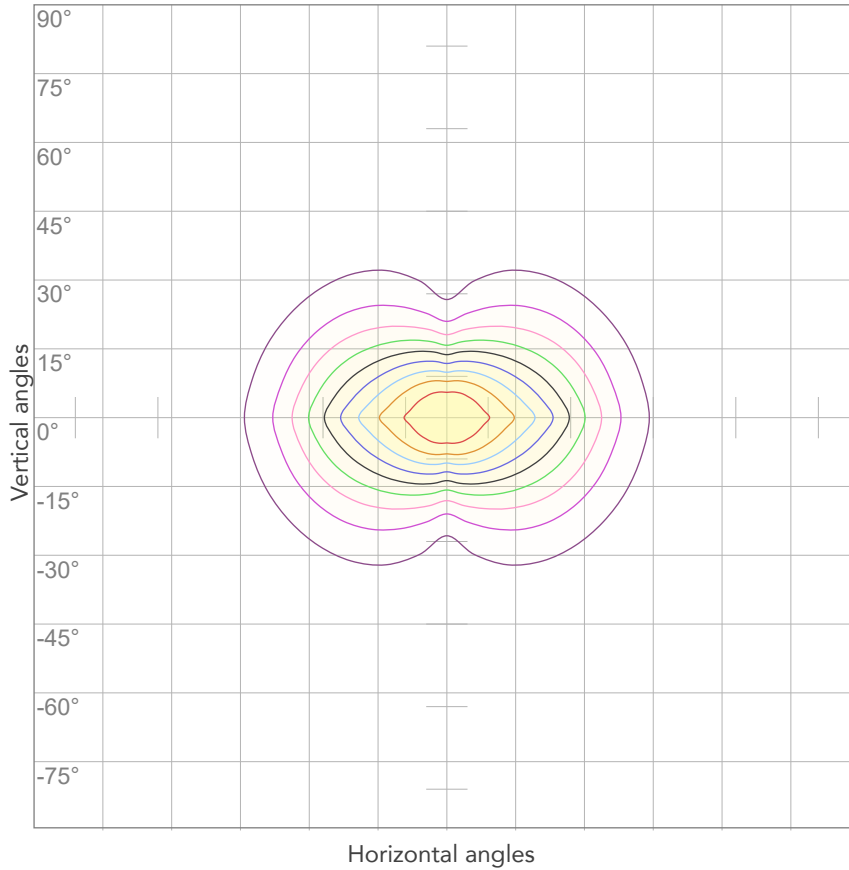


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	1,02A	219W	0,96	49lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



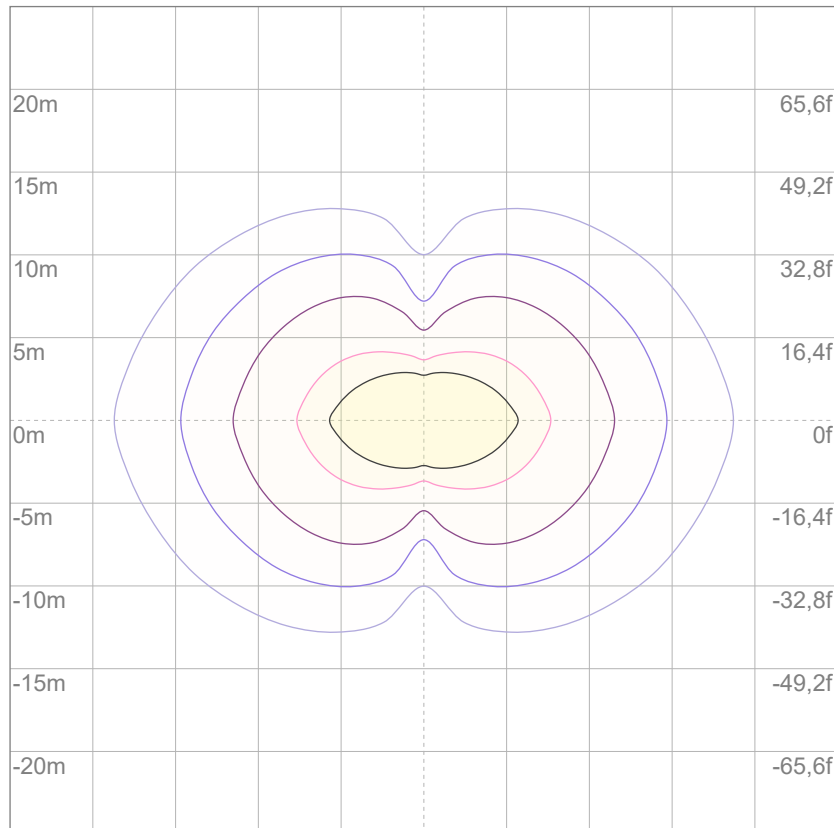
10%	1480 cd
20%	2959 cd
30%	4439 cd
40%	5919 cd
50%	7398 cd
60%	8878 cd
70%	10358 cd
80%	11837 cd

Conditions:

Number of c-planes: 4

Candela at center: 14796 cd

ISO LUX DIAGRAM



3%	4,44 lx
5%	7,40 lx
10%	14,8 lx
30%	44,4 lx
50%	74,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 148 lx

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



Total lumen output:

12751 lm

Peak candela output:

241720 cd

Light quality:

CRI: 95,4

Color temperature:

4047 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

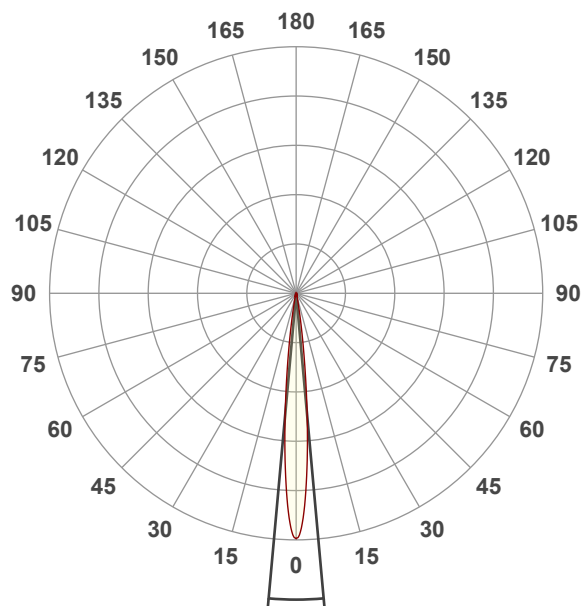
4000K

Operator:

Salvatore Giglio

Date and time:

23/04/2024 12:52:30

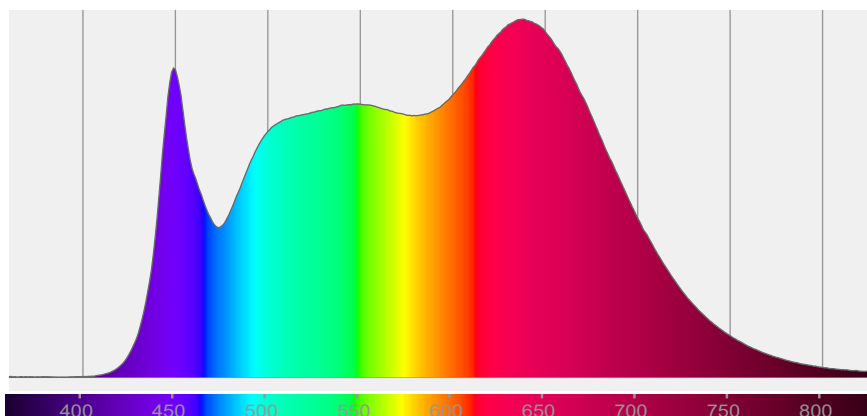


Beam angle 50%: 10,3°

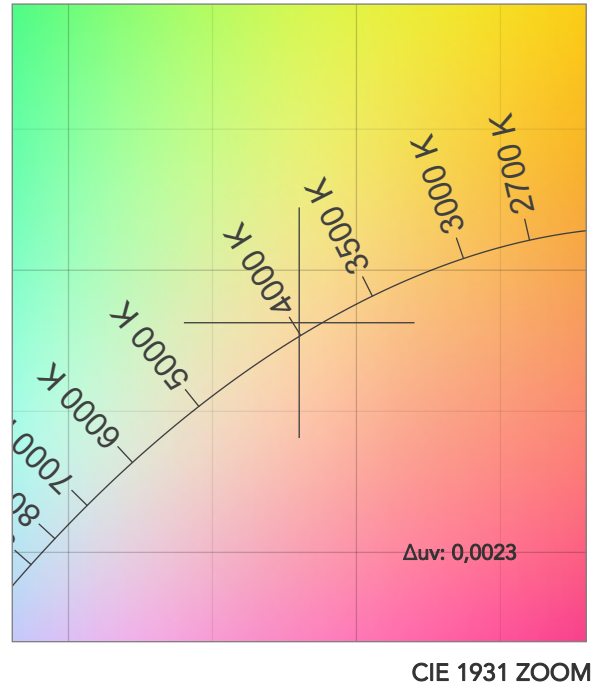
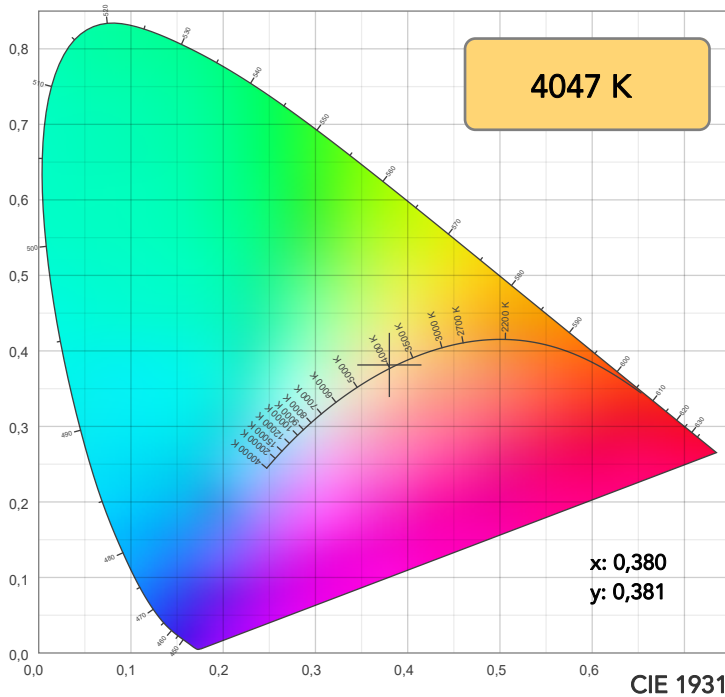
Field angle 10%: 18,9°

Cut off angle 2.5%: 25,9°

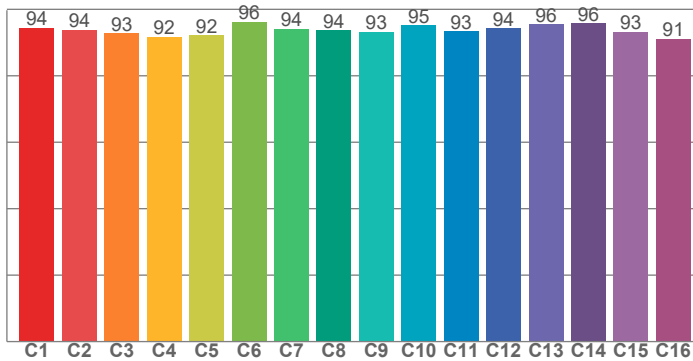
Spectra



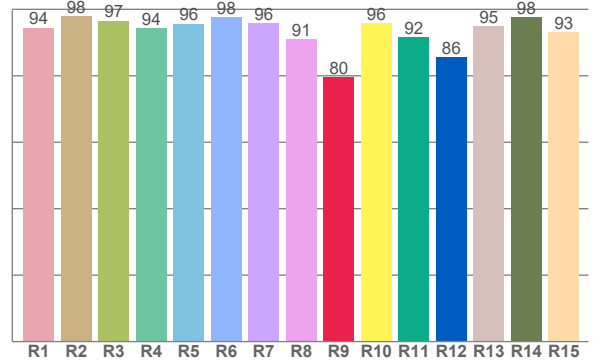
COLOR DETAILS



TM30: 93,6



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
94,4	97,9	96,6	94,2	95,6	97,6	95,9	90,9	79,6	95,9	91,7	85,5	95,0	97,6	93,1

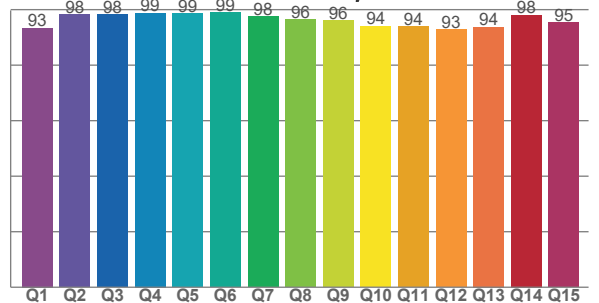
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,3	98,3	98,2	98,8	98,6	99,0	97,5	96,4	96,0	94,0	93,9	92,8	93,8	98,1	95,3

CQS: 95,7



COLOR PARAMETERS

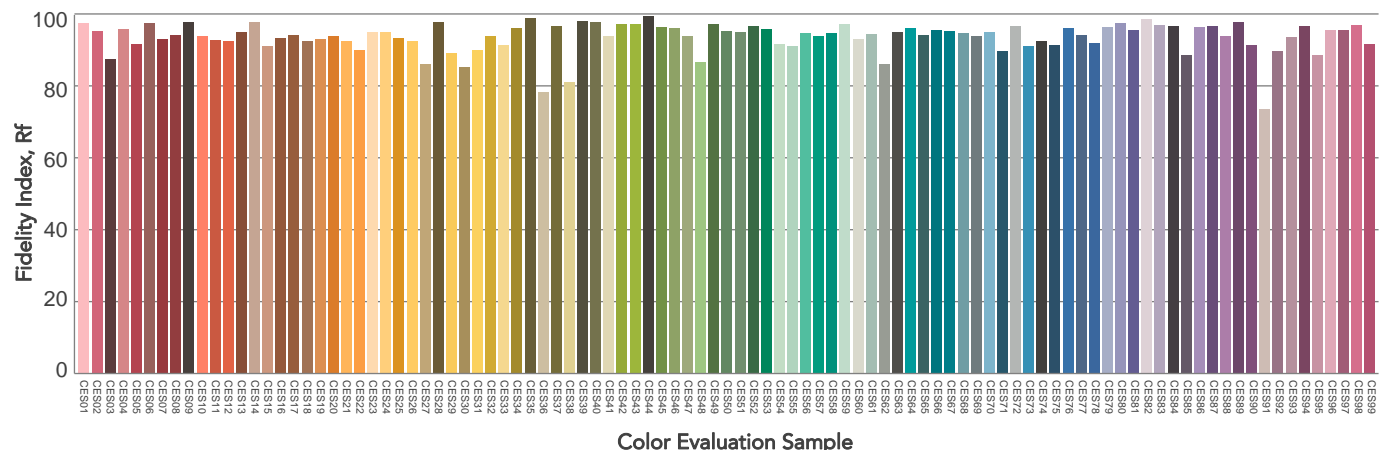
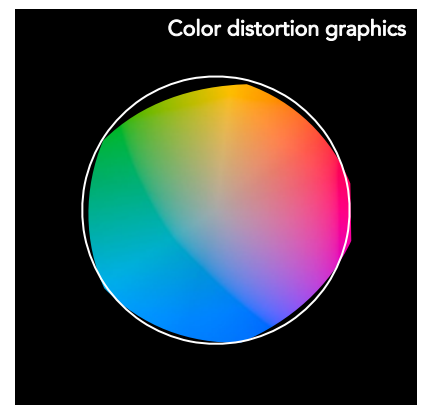
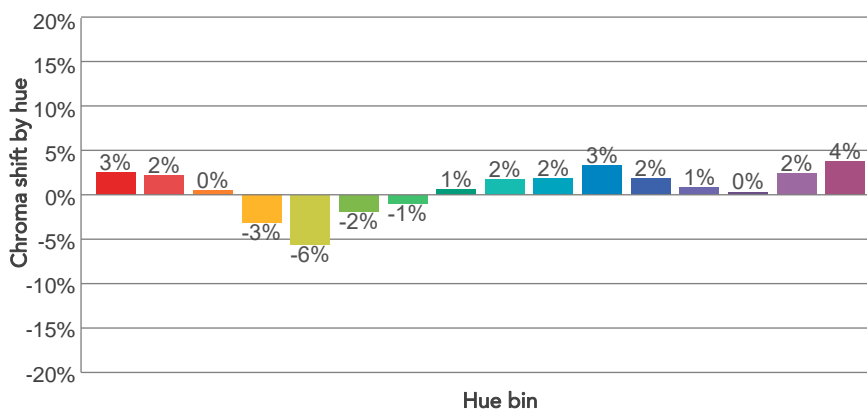
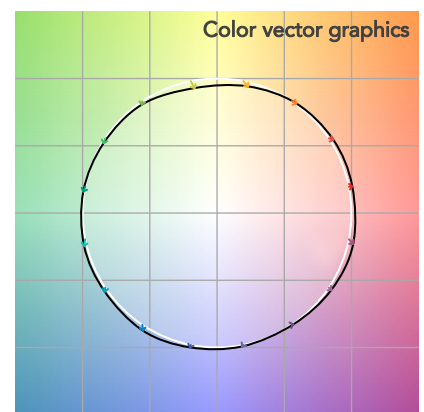
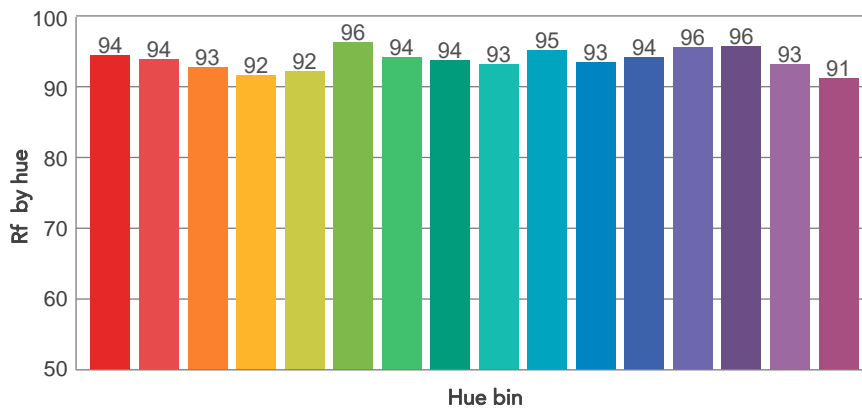
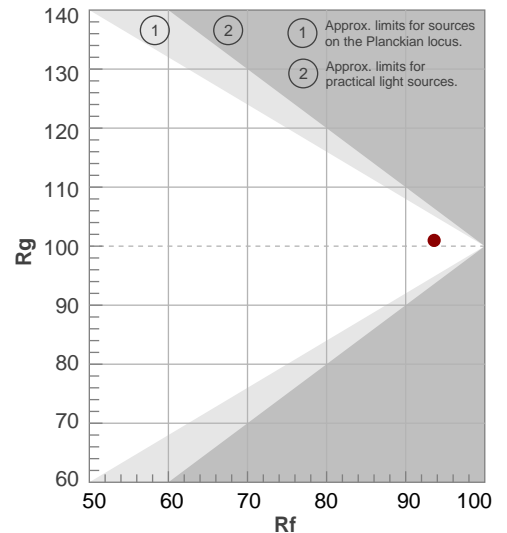
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4047 K	95,4	79,6	93,6	101,0	95,7	99	0,380	0,381	0,0023

TM30 DETAILS

Rf 93,6
Fidelity index Rf

Rg 101,0
Gammut index

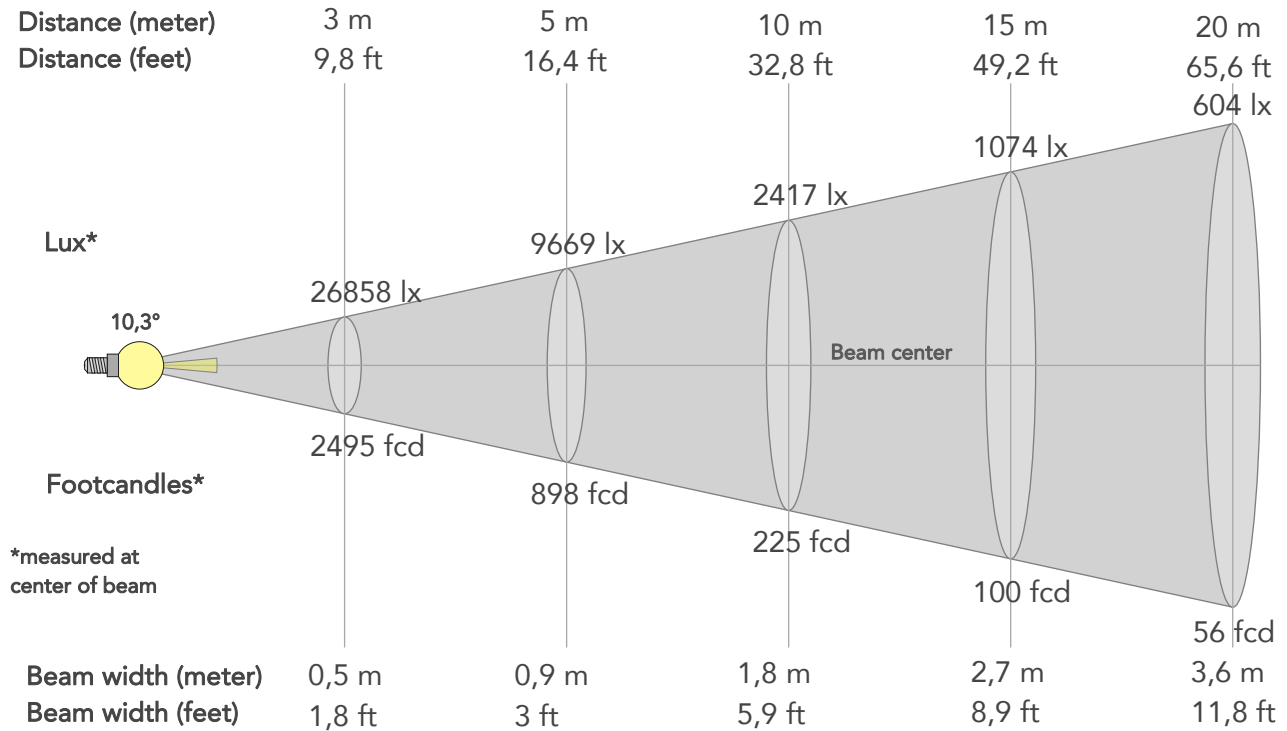
		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	94	3%	0%
2	94	2%	-3%
3	93	0%	-4%
4	92	-3%	-4%
5	92	-6%	-2%
6	96	-2%	2%
7	94	-1%	4%
8	94	1%	4%
9	93	2%	5%
10	95	2%	2%
11	93	3%	3%
12	94	2%	0%
13	96	1%	-1%
14	96	0%	1%
15	93	2%	0%
16	91	4%	-3%



BEAM DETAILS



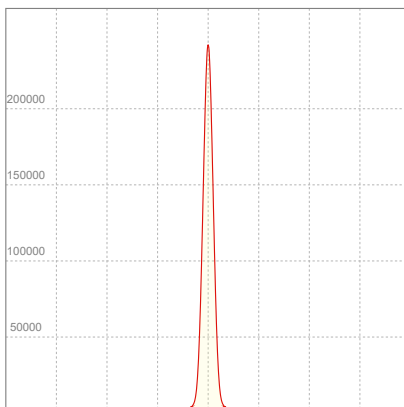
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,3°	18,9°	25,9°	92,7%	88,5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	241720lx	60430lx	26858lx	15107lx	9669lx	4297lx	2417lx	1074lx	604lx	387lx	269lx	151lx	97lx
Footcand.	22456fcd	5614fcd	2495fcd	1404fcd	898fcd	399fcd	225fcd	100fcd	56fcd	36fcd	25fcd	14fcd	9fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,4m	1,8m	2,7m	3,6m	4,5m	5,4m	7,2m	9m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,4ft	5,9ft	8,9ft	11,8ft	14,8ft	17,7ft	23,7ft	29,6ft

LINEAR DISTRIBUTION DIAGRAM

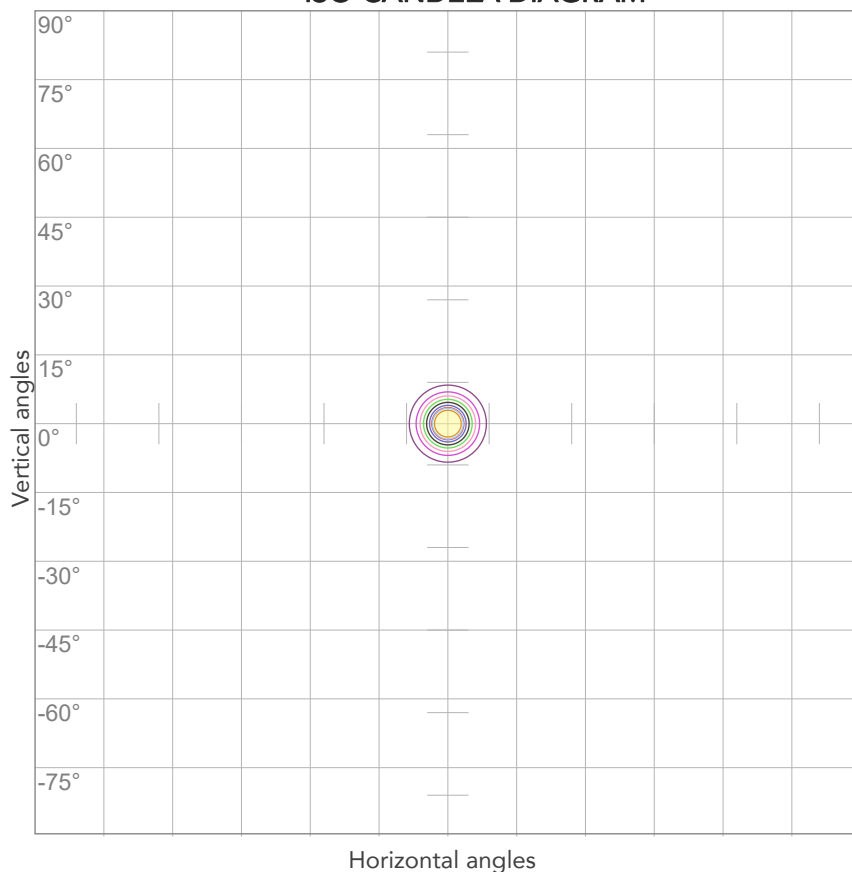


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	1,01A	218,5W	0,95	58lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



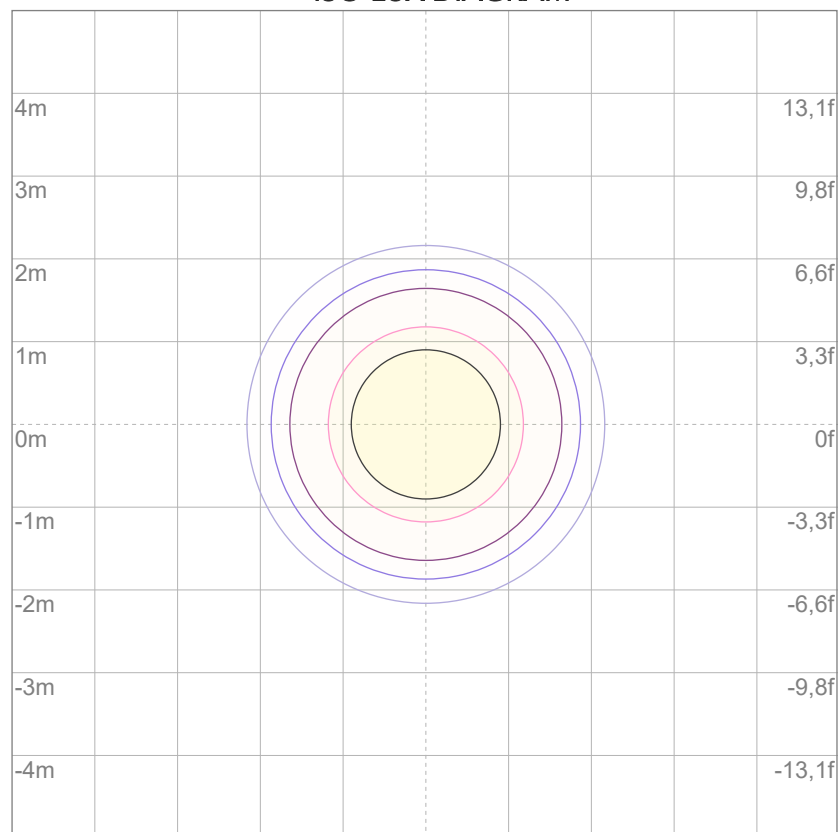
10%	24172 cd
20%	48344 cd
30%	72516 cd
40%	96688 cd
50%	120860 cd
60%	145032 cd
70%	169204 cd
80%	193376 cd

Conditions:

Number of c-planes: 2

Candela at center: 241720 cd

ISO LUX DIAGRAM



3%	72,5 lx
5%	121 lx
10%	242 lx
30%	725 lx
50%	1209 lx

Conditions:

Number of c-planes: 2

Lux at center: 2417 lx

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



Total lumen output:

11215 lm

Peak candela output:

44254 cd

Light quality:

CRI: 91,9

Color temperature:

4074 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

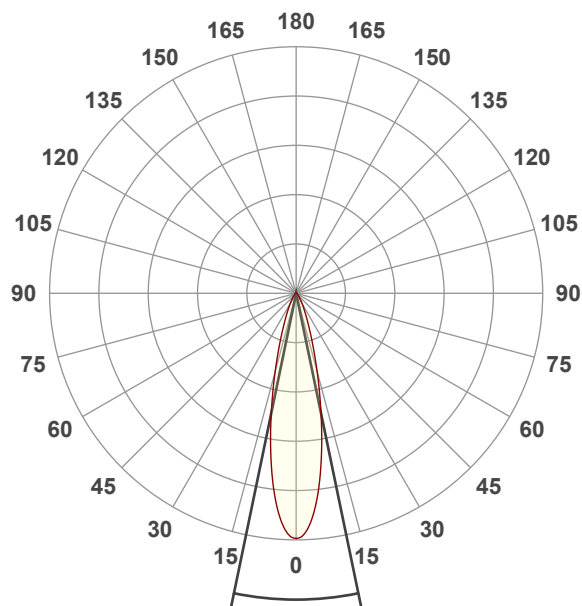
4000K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 14:43:57

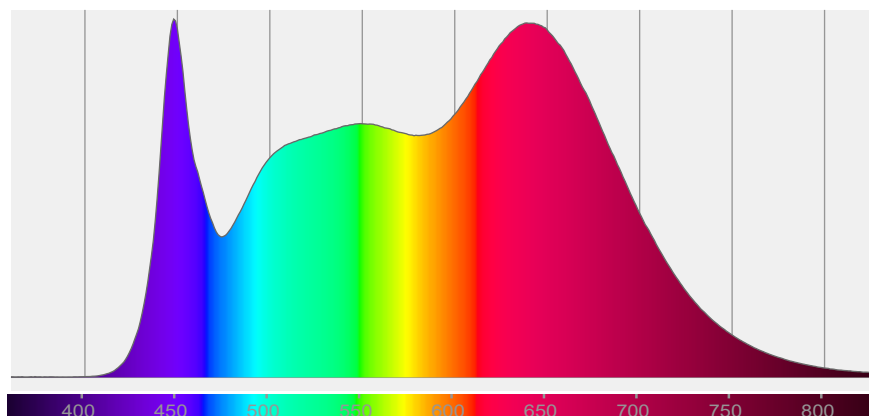


Beam angle 50%: 23,4°

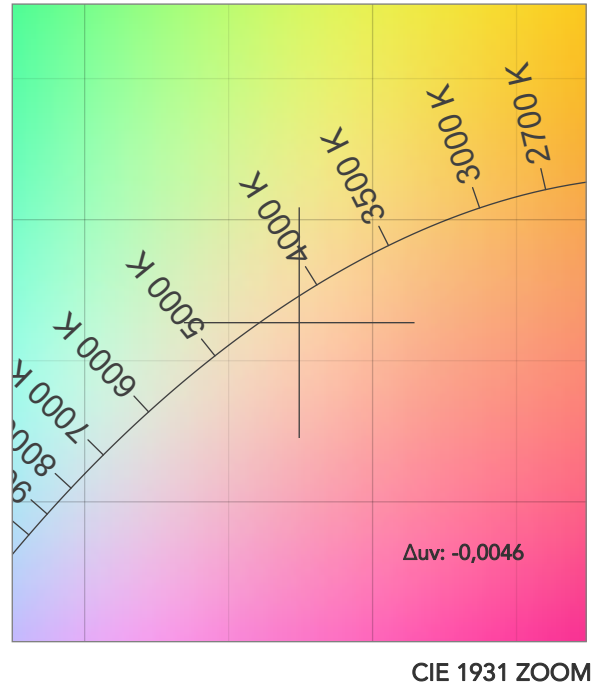
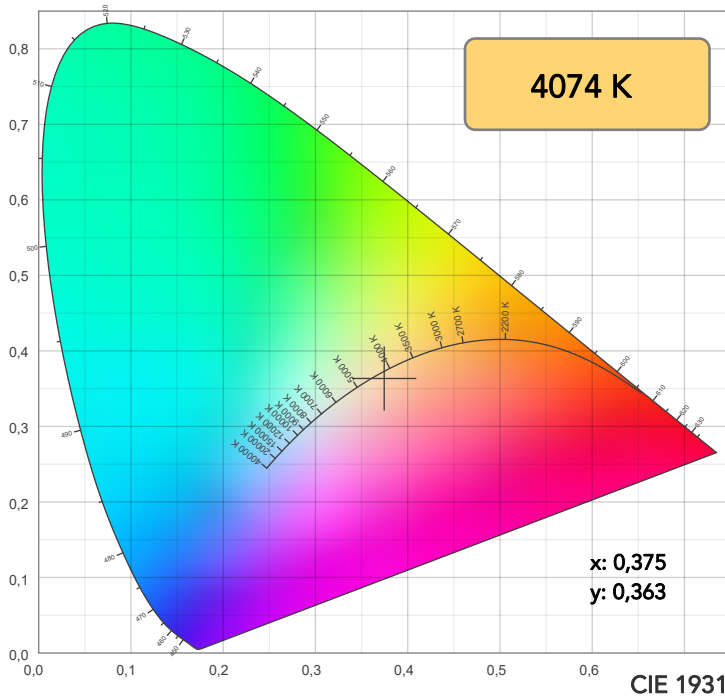
Field angle 10%: 47,5°

Cut off angle 2.5%: 72,6°

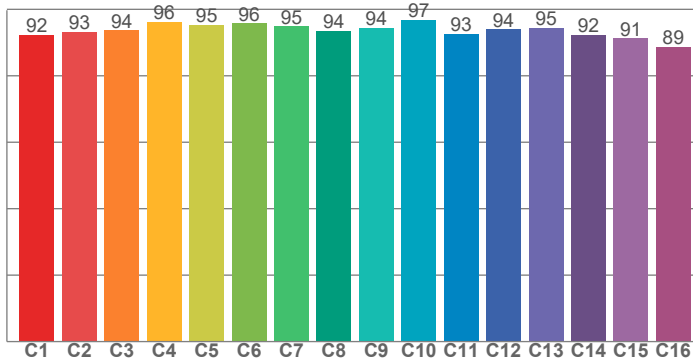
Spectra



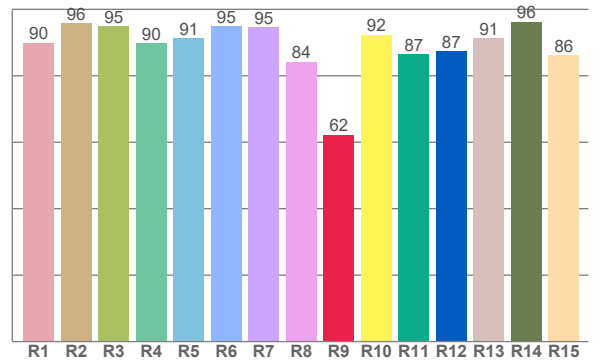
COLOR DETAILS



TM30: 93,8



CRI: 91,9 (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
90,0	95,8	94,8	89,8	91,3	95,0	94,6	84,2	62,2	92,3	86,5	87,4	91,2	96,3	86,3

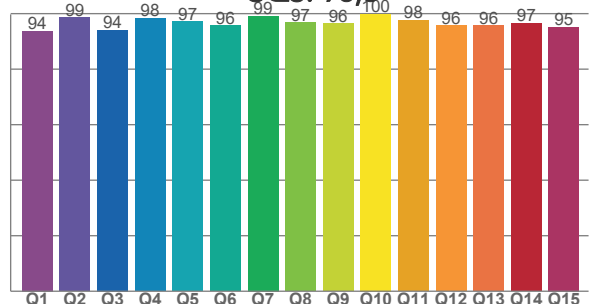
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 96,3



COLOR PARAMETERS

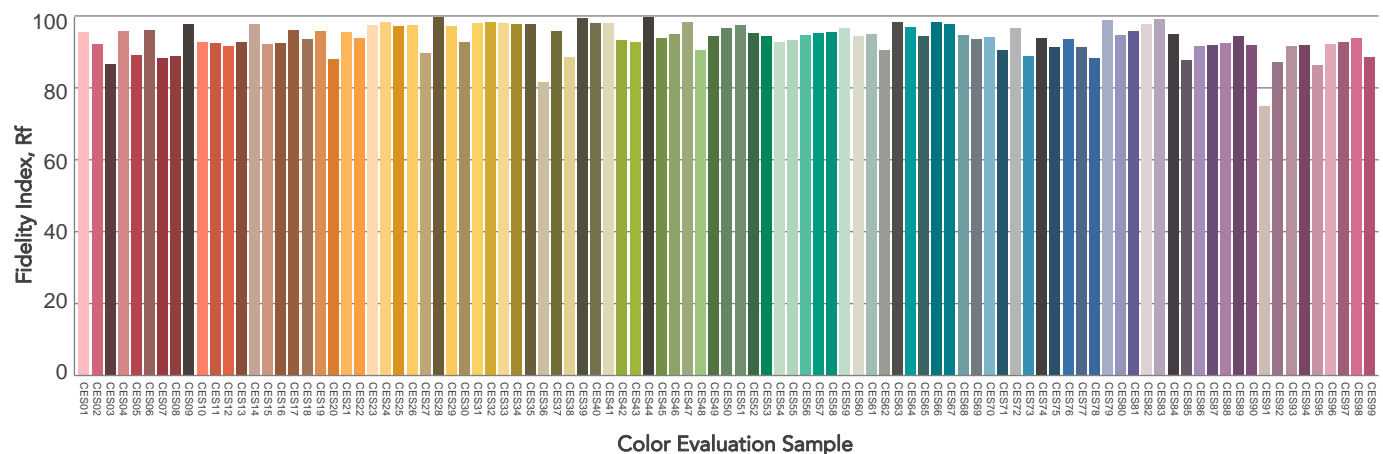
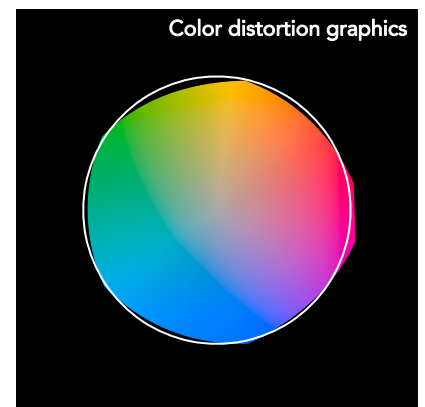
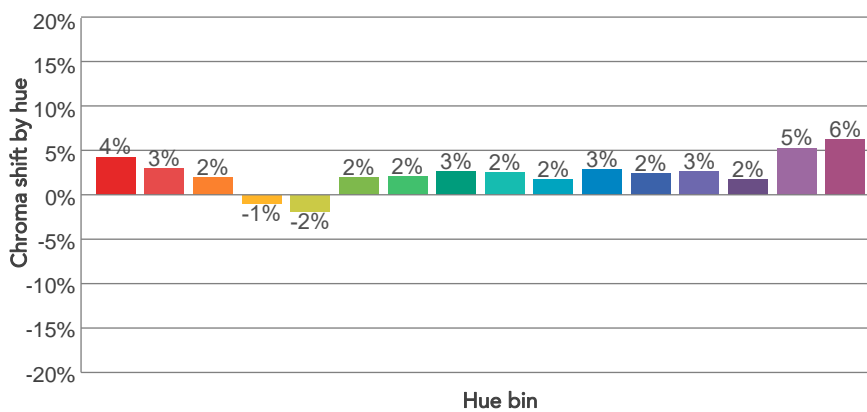
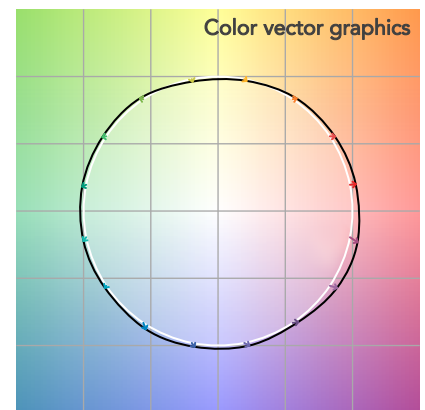
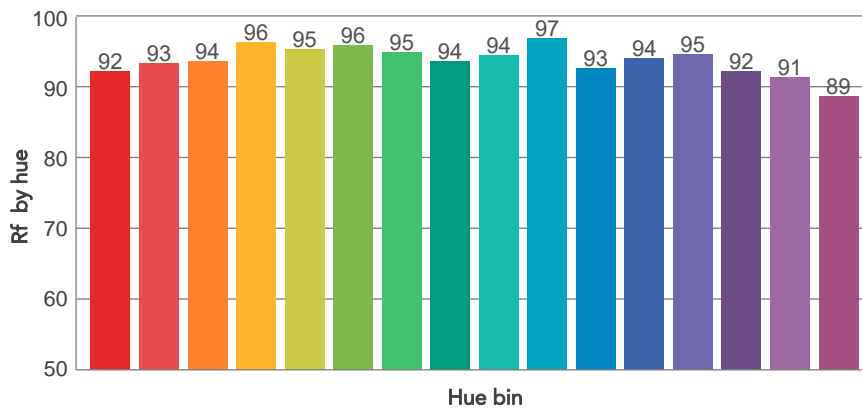
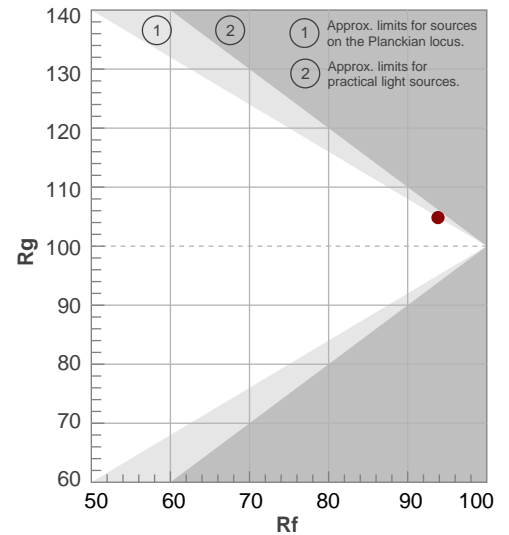
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4074 K	91,9	62,2	93,8	104,8	96,3	98	0,375	0,363	-0,0046

TM30 DETAILS

Rf 93,8
Fidelity index Rf

Rg 104,8
Gammut index

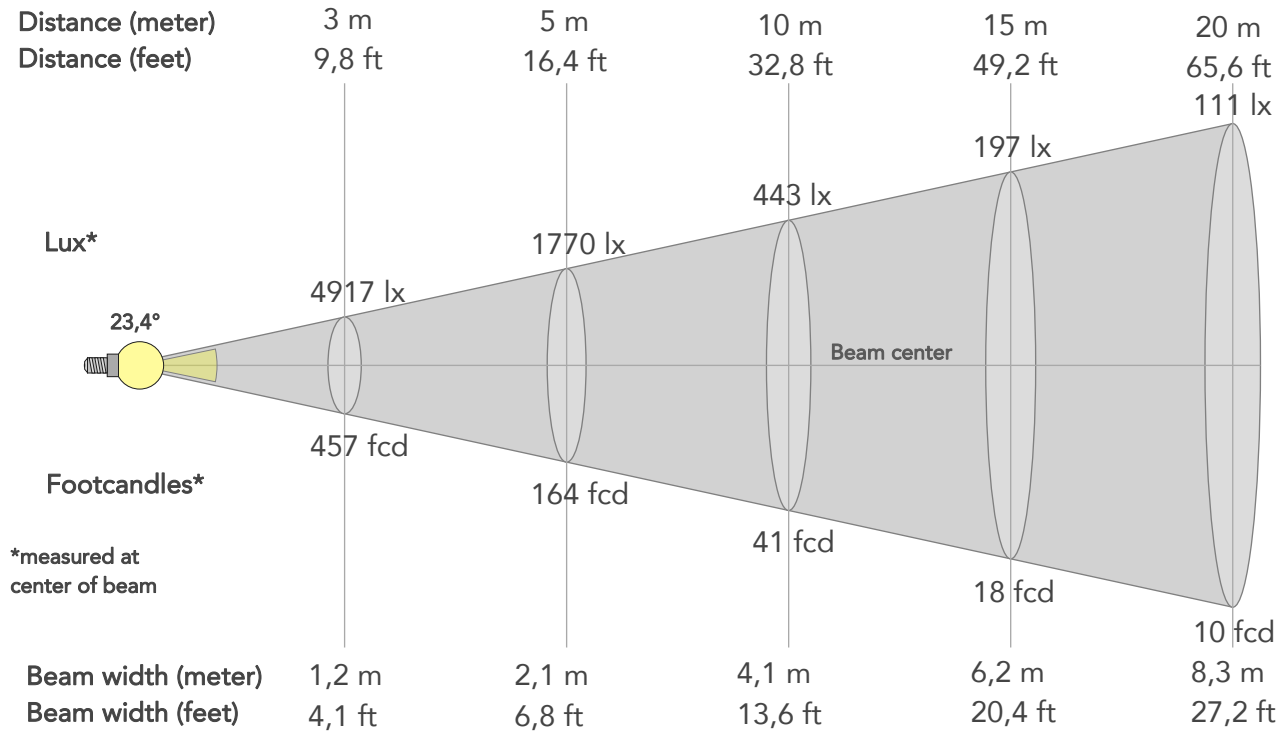
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	92	4%	0%
2	93	3%	-2%
3	94	2%	-2%
4	96	-1%	-2%
5	95	-2%	0%
6	96	2%	2%
7	95	2%	2%
8	94	3%	2%
9	94	2%	2%
10	97	2%	1%
11	93	3%	4%
12	94	2%	3%
13	95	3%	3%
14	92	2%	4%
15	91	5%	2%
16	89	6%	-3%



BEAM DETAILS



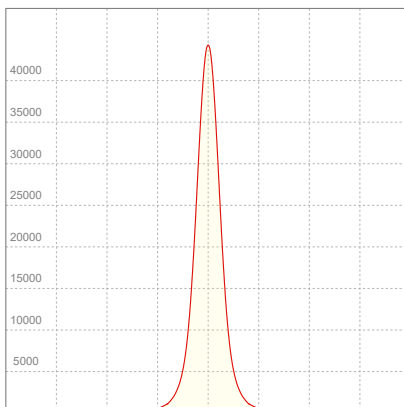
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	47,5°	72,6°	96,3%	91,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	44254lx	11063lx	4917lx	2766lx	1770lx	787lx	443lx	197lx	111lx	71lx	49lx	28lx	18lx
Footcand.	4111fcd	1028fcd	457fcd	257fcd	164fcd	73fcd	41fcd	18fcd	10fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,4m	12,4m	16,6m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34ft	40,8ft	54,4ft	68ft

LINEAR DISTRIBUTION DIAGRAM

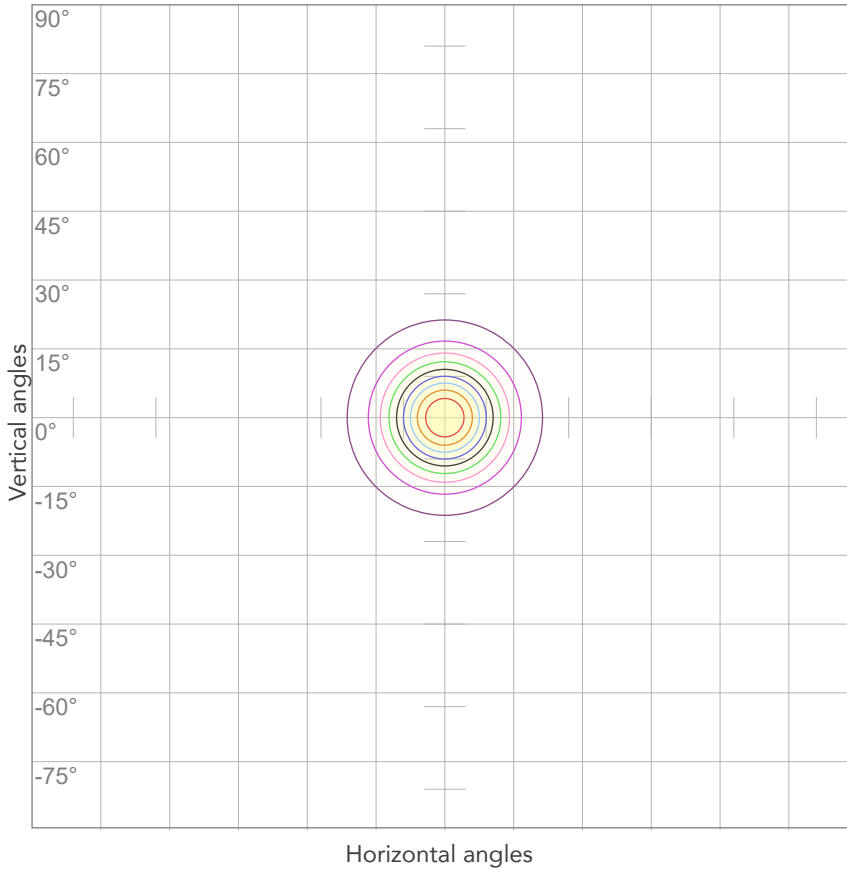


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	1,04A	224,9W	0,96	50lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



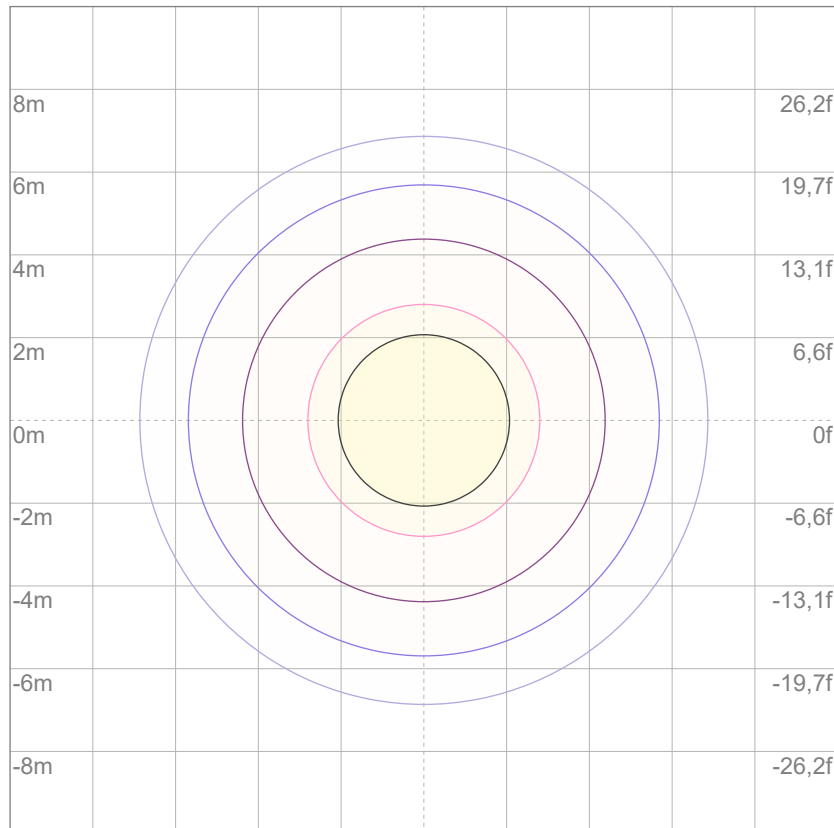
10%	4425 cd
20%	8851 cd
30%	13276 cd
40%	17701 cd
50%	22127 cd
60%	26552 cd
70%	30978 cd
80%	35403 cd

Conditions:

Number of c-planes: 2

Candela at center: 44254 cd

ISO LUX DIAGRAM



3%	13,3 lx
5%	22,1 lx
10%	44,3 lx
30%	133 lx
50%	221 lx

Conditions:

Number of c-planes: 2

Lux at center: 443 lx

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



Total lumen output:

10355 lm

Peak candela output:

13564 cd

Light quality:

CRI: 91,7

Color temperature:

4072 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

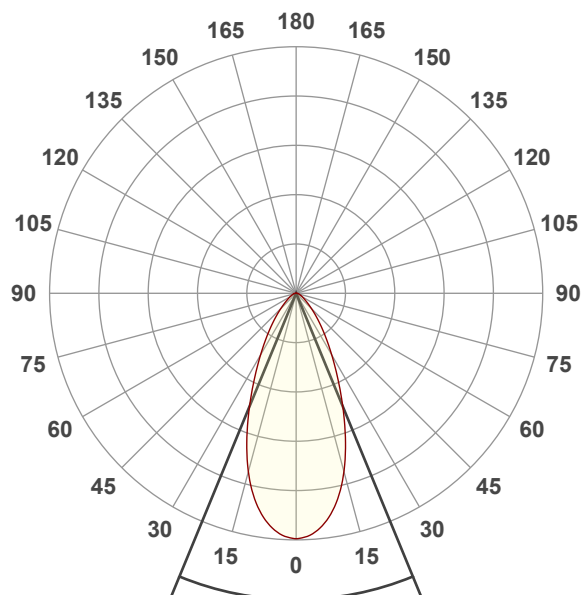
4000K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 15:46:02

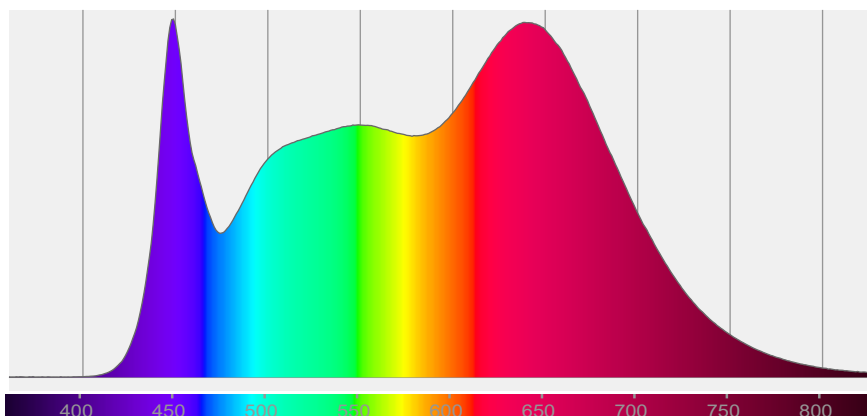


Beam angle 50%: 44,8°

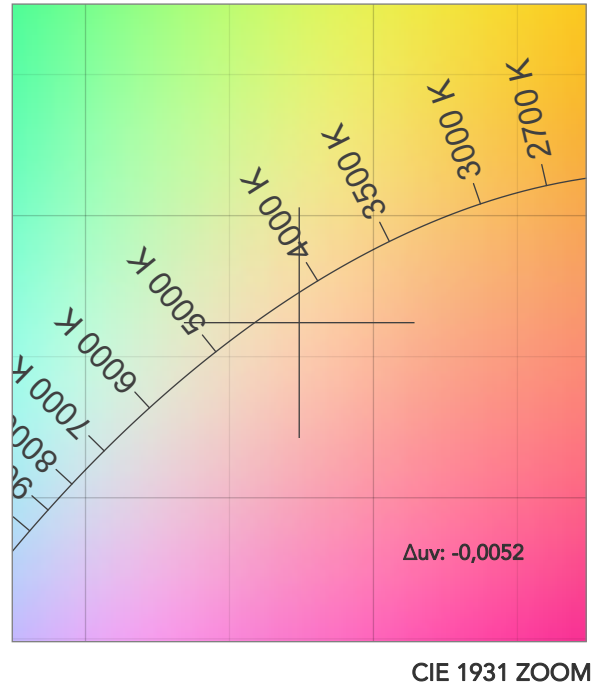
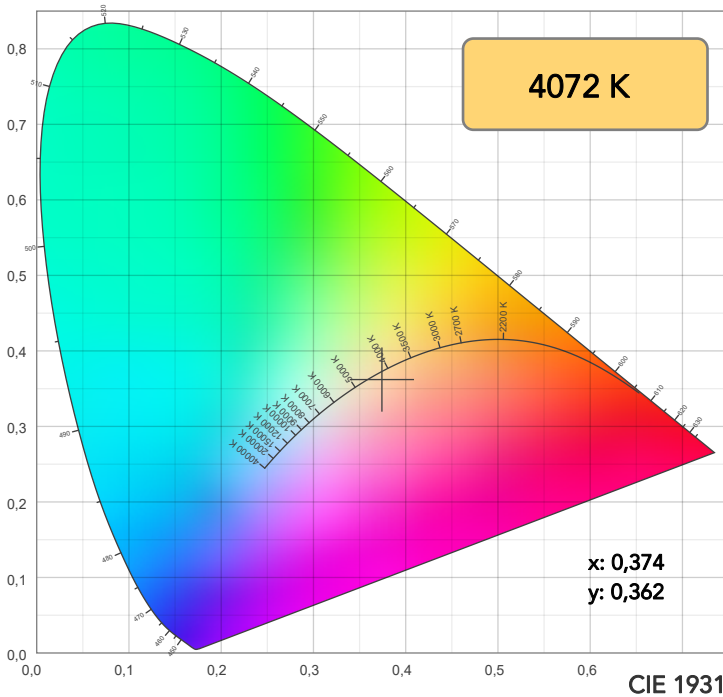
Field angle 10%: 87,2°

Cut off angle 2.5%: 125°

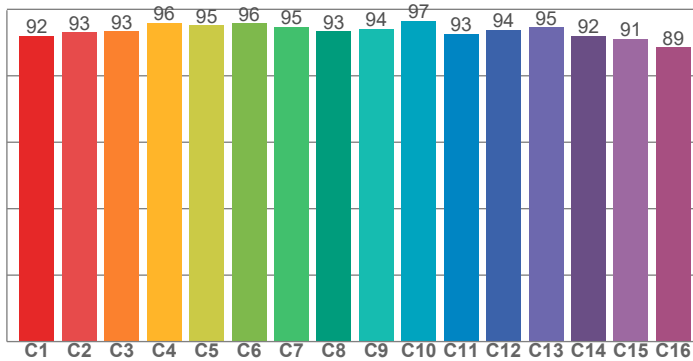
Spectra



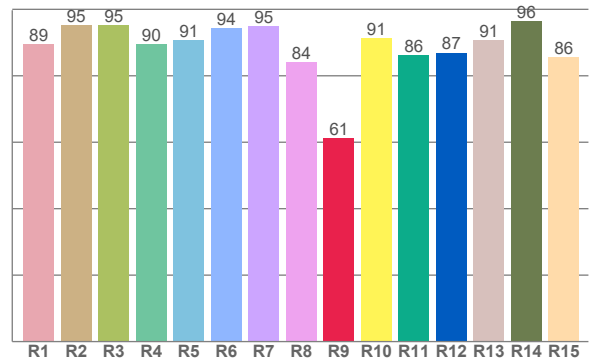
COLOR DETAILS



TM30: 93,7



CRI: 91,7 (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
89,4	95,3	95,1	89,6	90,8	94,3	94,8	84,0	61,2	91,3	86,2	86,9	90,6	96,4	85,6

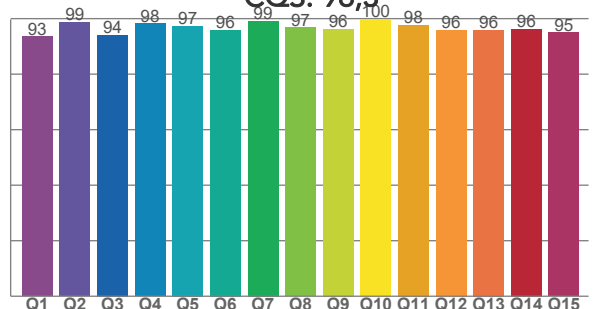
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 96,3



COLOR PARAMETERS

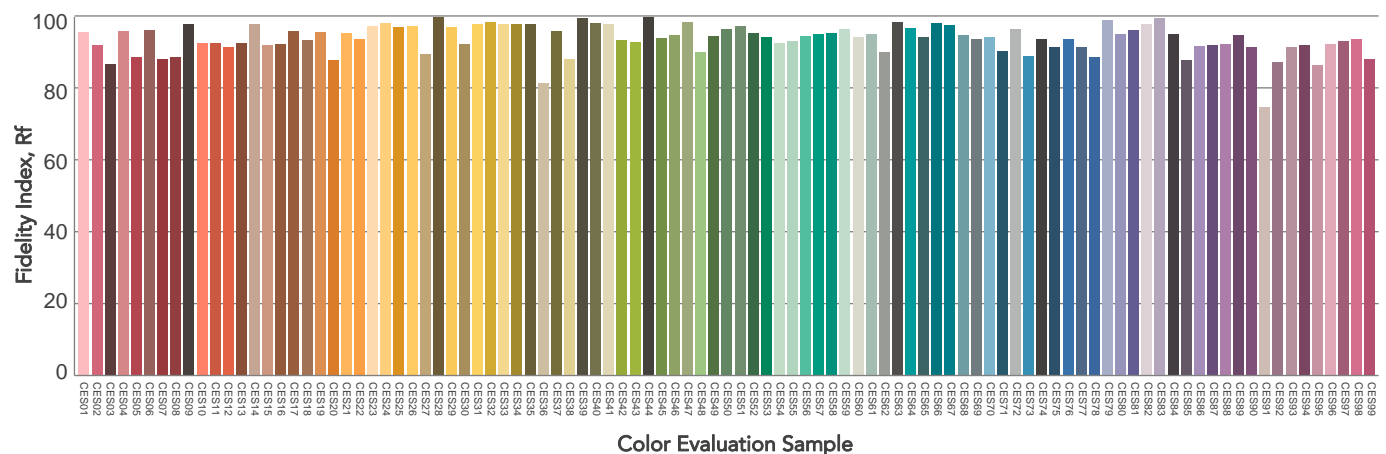
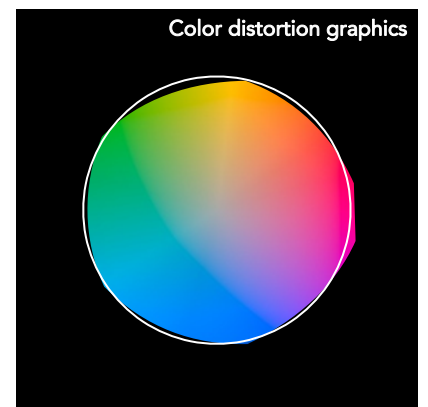
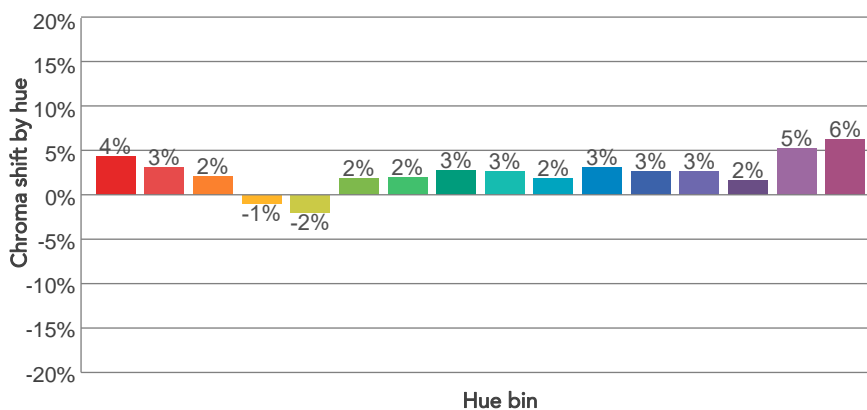
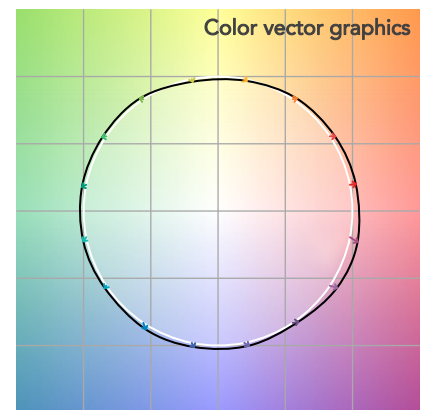
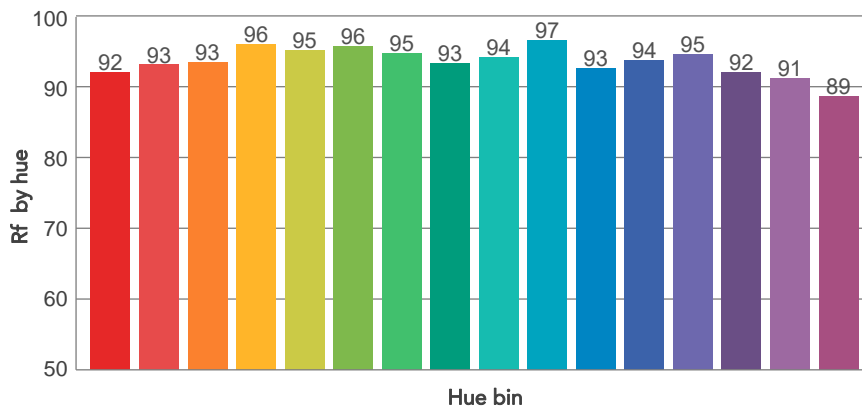
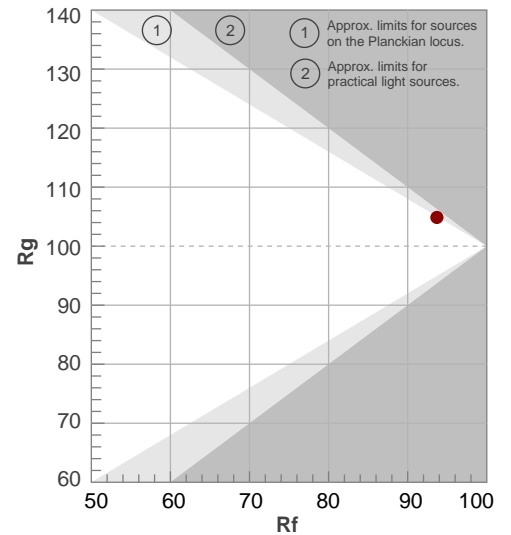
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4072 K	91,7	61,2	93,7	104,9	96,3	98	0,374	0,362	-0,0052

TM30 DETAILS

Rf 93,7
Fidelity index Rf

Rg 104,9
Gammut index

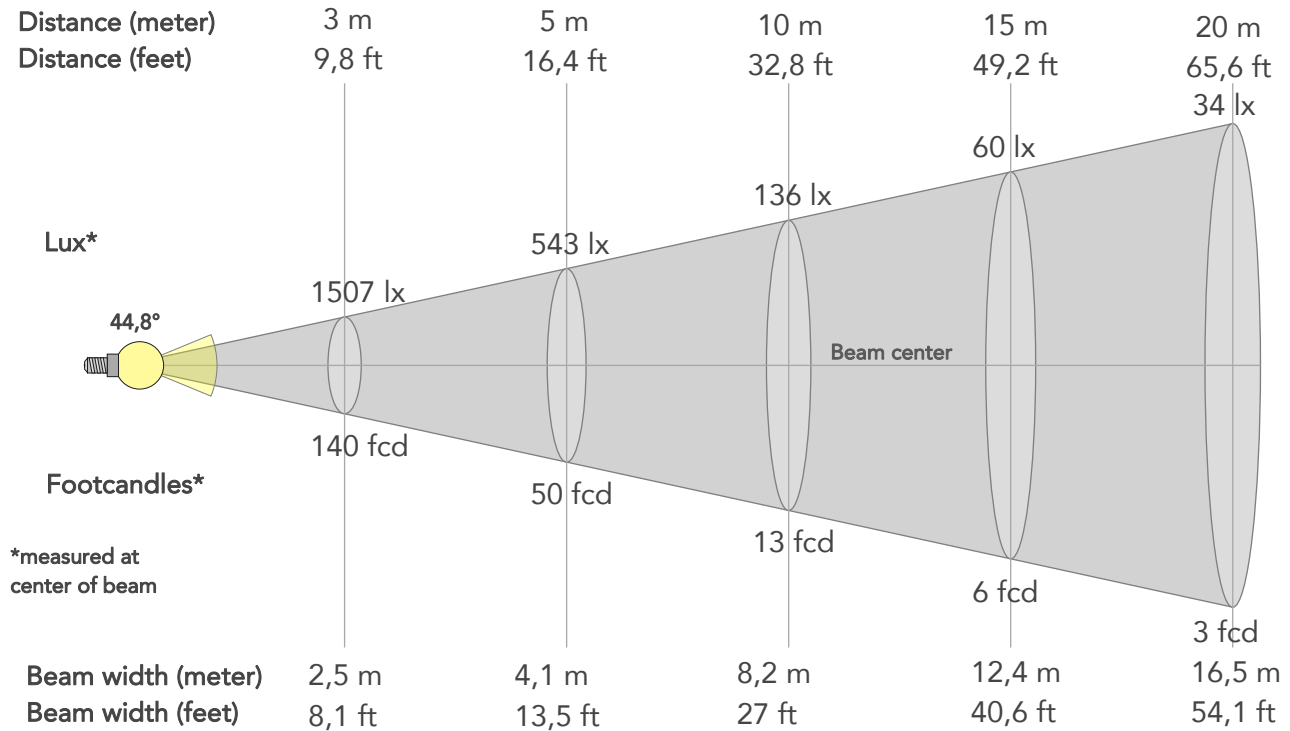
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	92	4%	0%
2	93	3%	-2%
3	93	2%	-2%
4	96	-1%	-2%
5	95	-2%	0%
6	96	2%	2%
7	95	2%	2%
8	93	3%	2%
9	94	3%	2%
10	97	2%	1%
11	93	3%	4%
12	94	3%	2%
13	95	3%	3%
14	92	2%	4%
15	91	5%	2%
16	89	6%	-2%



BEAM DETAILS



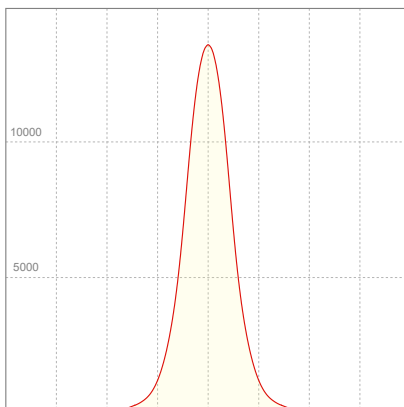
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,8°	87,2°	125°	94,7%	86,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	13564lx	3391lx	1507lx	848lx	543lx	241lx	136lx	60lx	34lx	22lx	15lx	8lx	5lx
Footcand.	1260fcd	315fcd	140fcd	79fcd	50fcd	22fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	1fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,4m	16,5m	20,6m	24,7m	33m	41,2m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,3ft	27ft	40,6ft	54,1ft	67,6ft	81,1ft	108,1ft	135,2ft

LINEAR DISTRIBUTION DIAGRAM

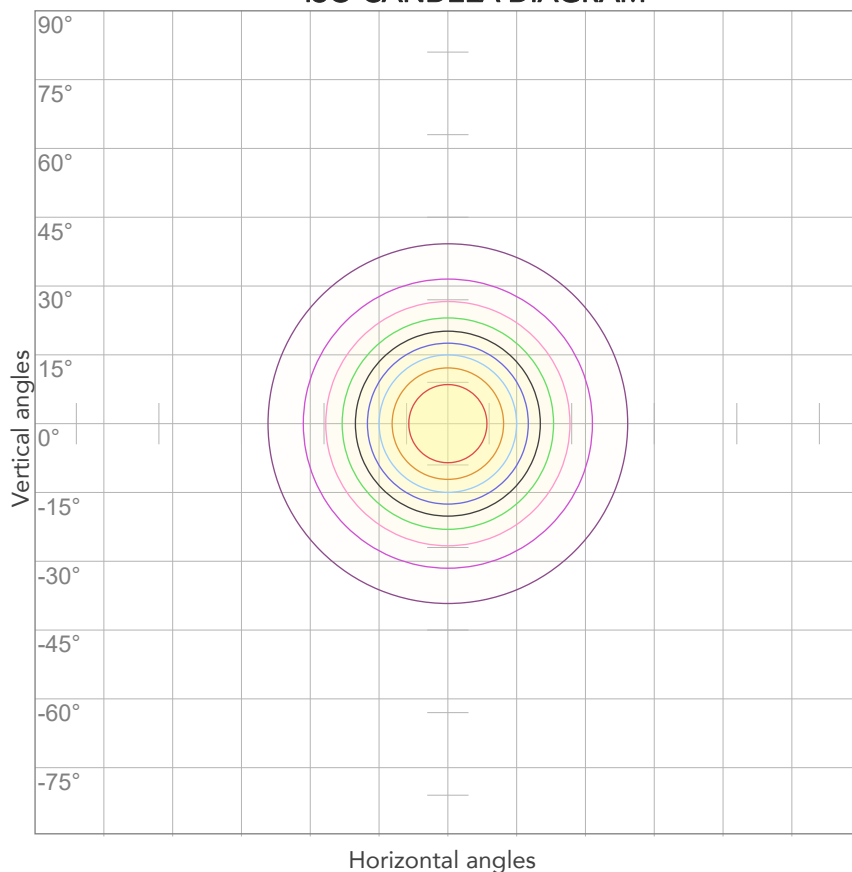


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	1,03A	223,2W	0,96	46lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



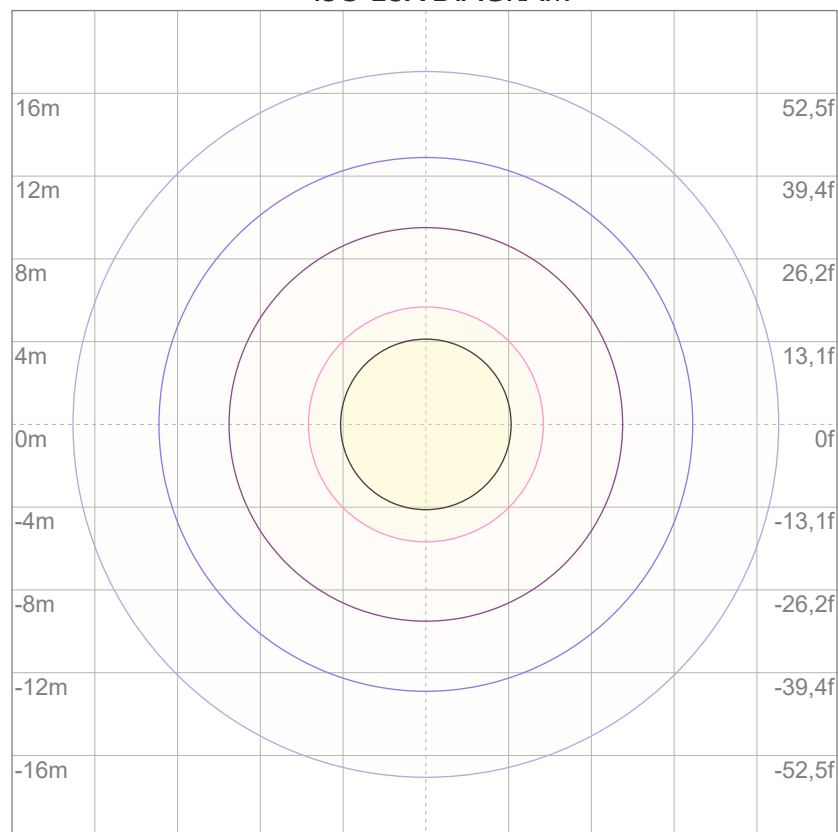
10%	1356 cd
20%	2713 cd
30%	4069 cd
40%	5426 cd
50%	6782 cd
60%	8139 cd
70%	9495 cd
80%	10851 cd

Conditions:

Number of c-planes: 2

Candela at center: 13564 cd

ISO LUX DIAGRAM



3%	4,07 lx
5%	6,78 lx
10%	13,6 lx
30%	40,7 lx
50%	67,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 136 lx

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



Total lumen output:

10248 lm

Peak candela output:

9145 cd

Light quality:

CRI: 91,5

Color temperature:

4055 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

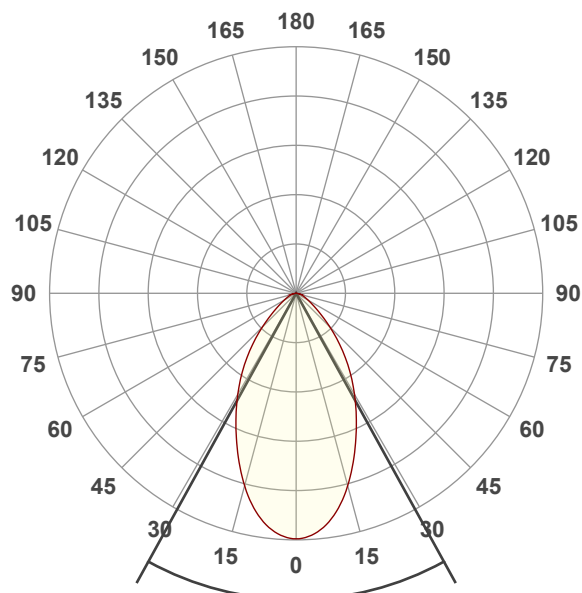
4000K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 15:56:34

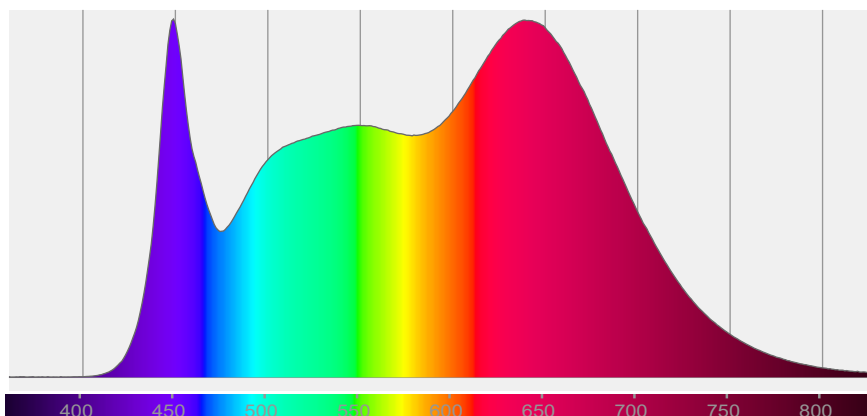


Beam angle 50%: 57,7°

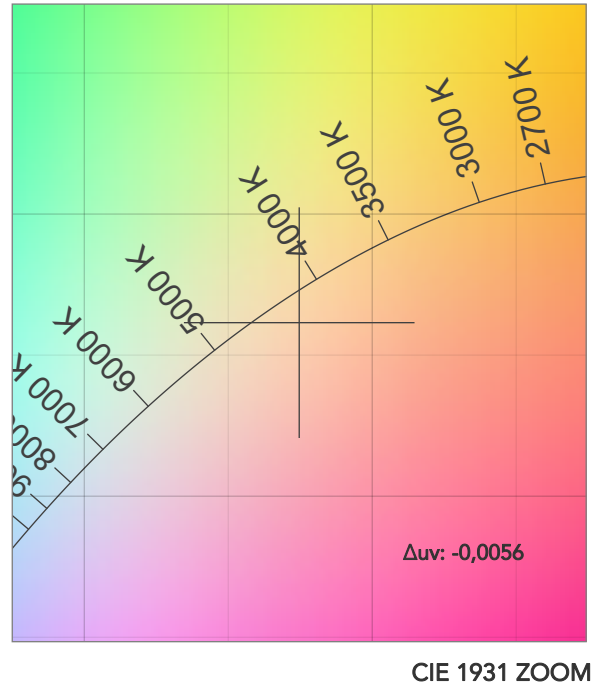
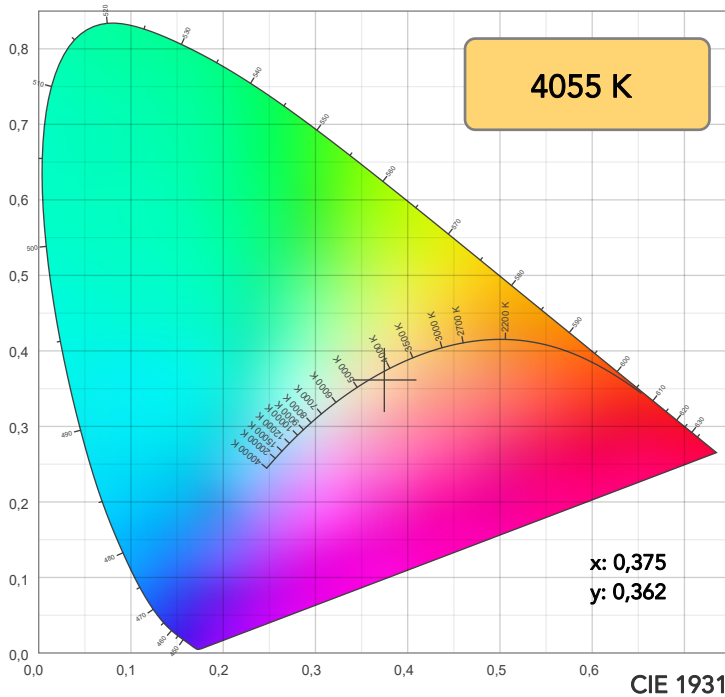
Field angle 10%: 105,8°

Cut off angle 2.5%: 143,8°

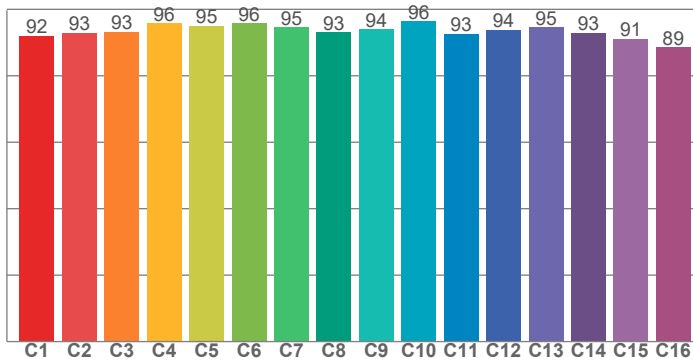
Spectra



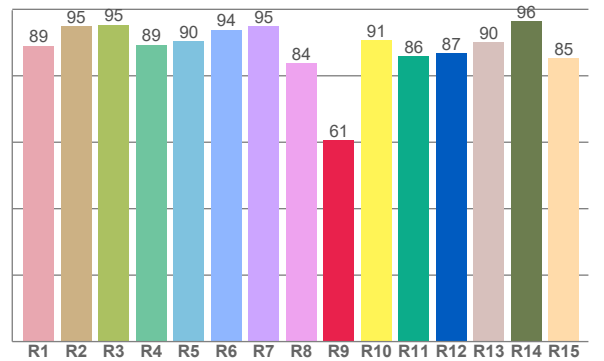
COLOR DETAILS



TM30: 93,6



CRI: 91,5 (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
89,0	94,9	95,4	89,4	90,4	93,8	94,9	83,8	60,5	90,6	85,9	86,7	90,2	96,5	85,2

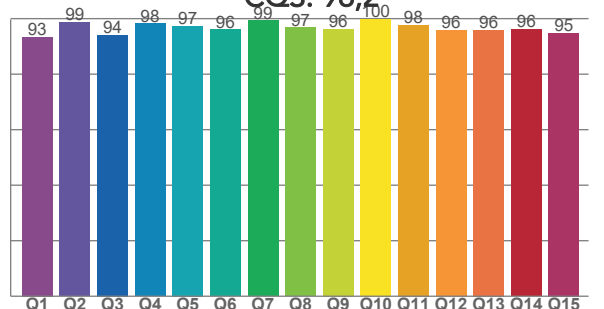
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 96,2



COLOR PARAMETERS

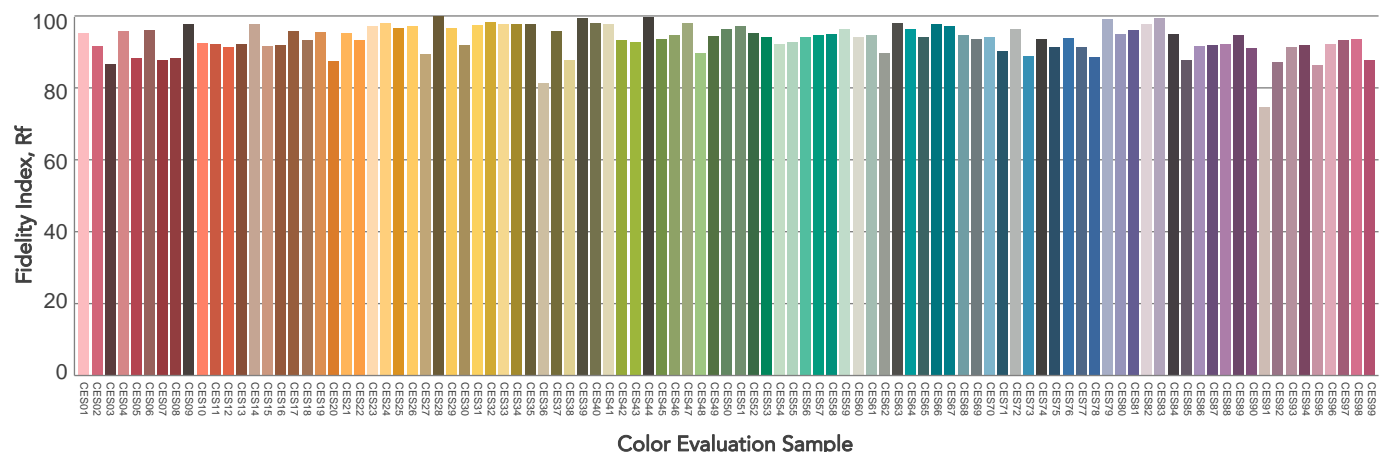
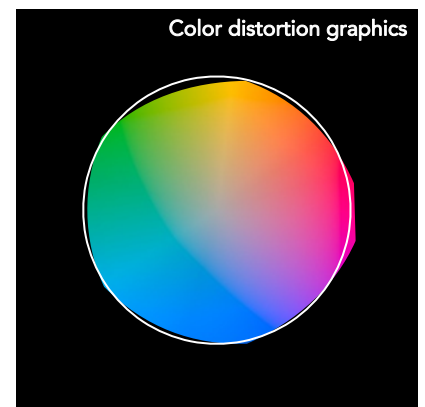
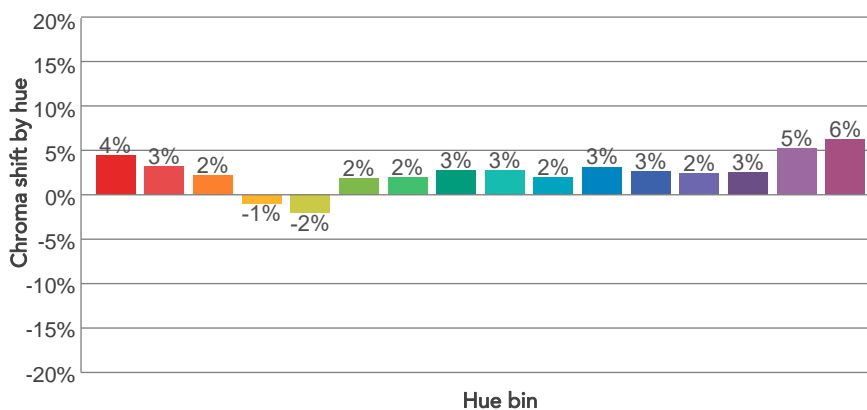
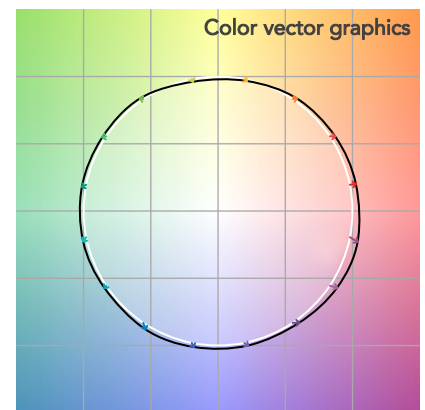
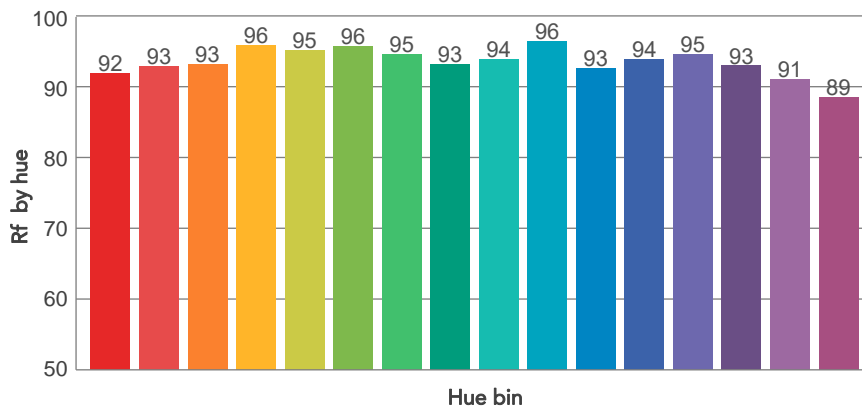
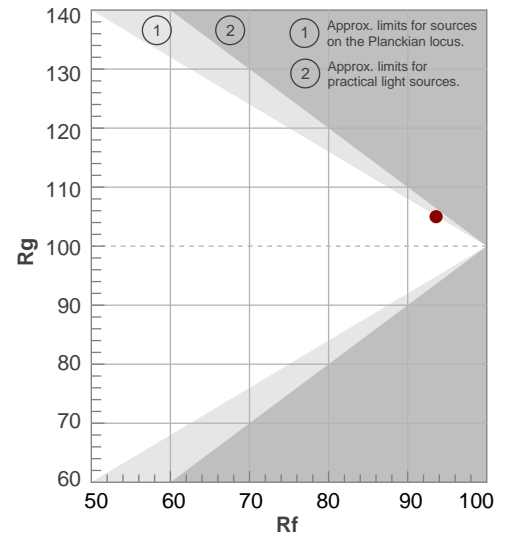
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4055 K	91,5	60,5	93,6	105,0	96,2	98	0,375	0,362	-0,0056

TM30 DETAILS

Rf 93,6
Fidelity index Rf

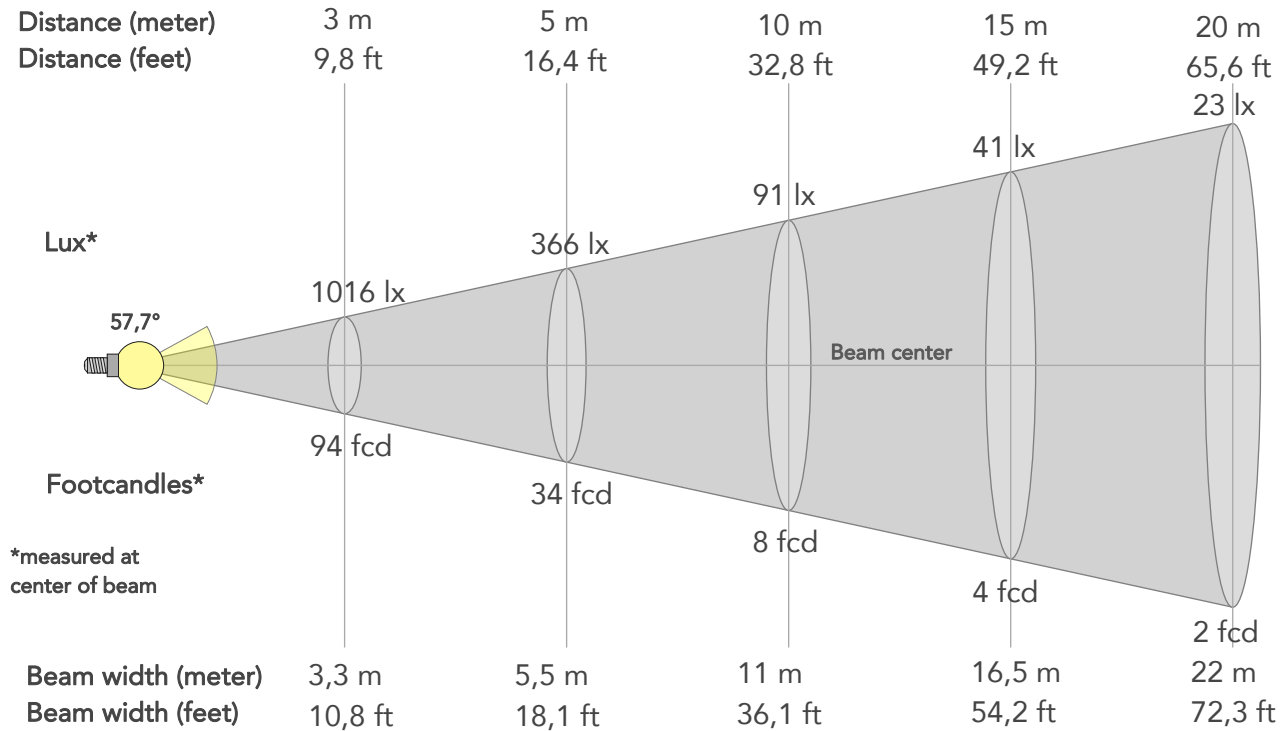
Rg 105,0
Gammut index

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



BEAM DETAILS

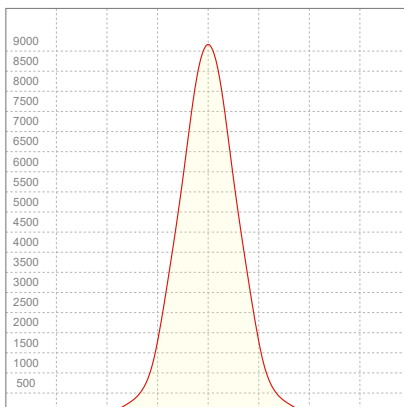
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,7°	105,8°	143,8°	93,5%	81,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	9145lx	2286lx	1016lx	572lx	366lx	163lx	91lx	41lx	23lx	15lx	10lx	6lx	4lx
Footcand.	850fcd	212fcd	94fcd	53fcd	34fcd	15fcd	8fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,3m	11m	16,5m	22m	27,5m	33m	44,1m	55,1m
Beam wid.	3,6ft	7,3ft	10,8ft	14,4ft	18,1ft	27,1ft	36,1ft	54,2ft	72,3ft	90,3ft	108,4ft	144,5ft	180,6ft

LINEAR DISTRIBUTION DIAGRAM

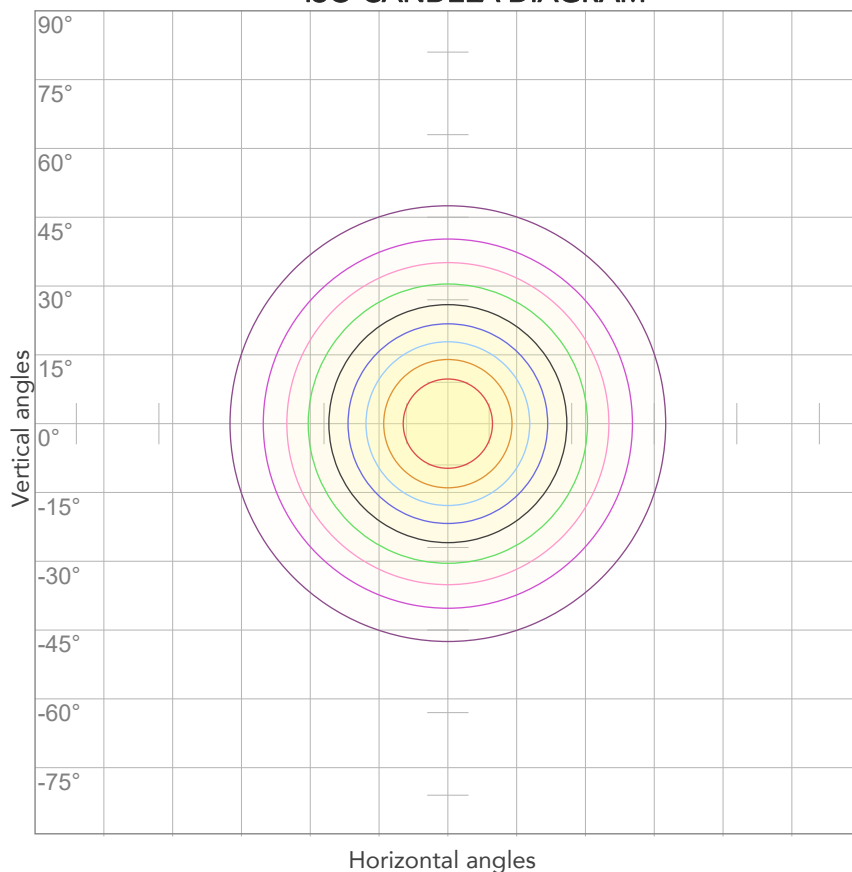


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	1,02A	221,3W	0,96	46lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



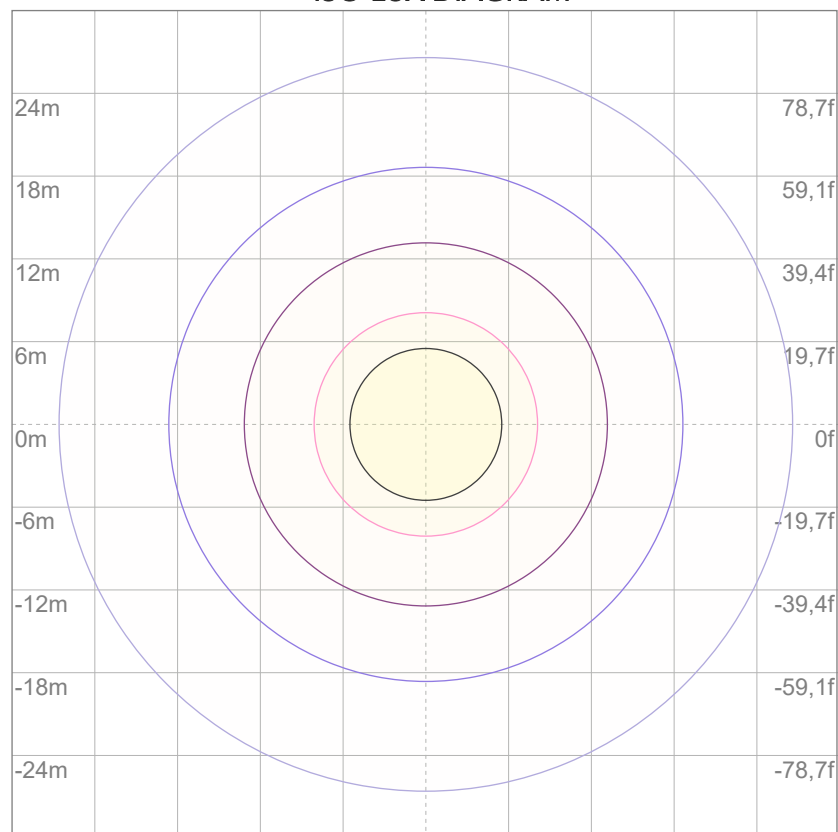
10%	915 cd
20%	1829 cd
30%	2744 cd
40%	3658 cd
50%	4573 cd
60%	5487 cd
70%	6402 cd
80%	7316 cd

Conditions:

Number of c-planes: 2

Candela at center: 9145 cd

ISO LUX DIAGRAM



3%	2,74 lx
5%	4,57 lx
10%	9,15 lx
30%	27,4 lx
50%	45,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 91,5 lx

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



Total lumen output:

11647 lm

Peak candela output:

19797 cd

Light quality:

CRI: 91,5

Color temperature:

4015 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

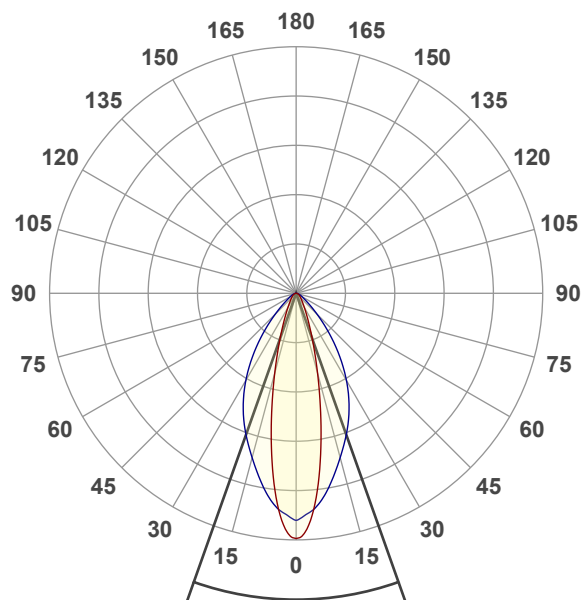
4000K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 17:35:36

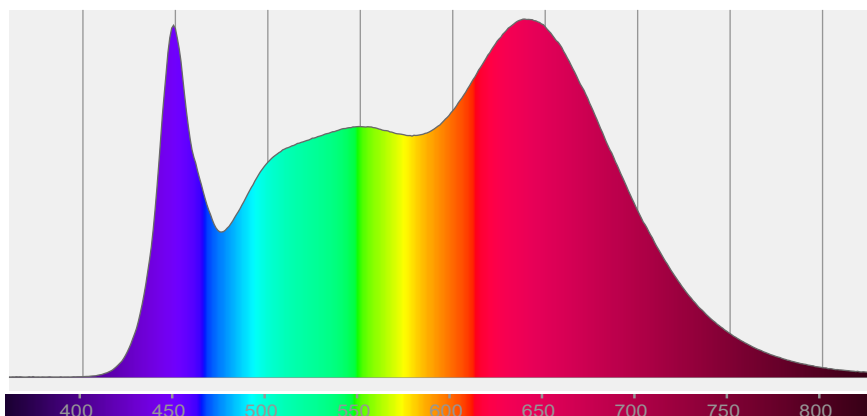


Beam angle 50%: 39°

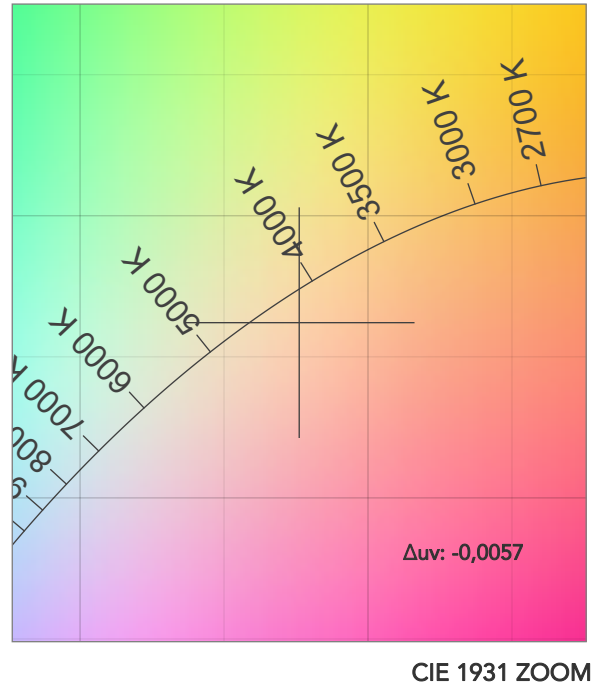
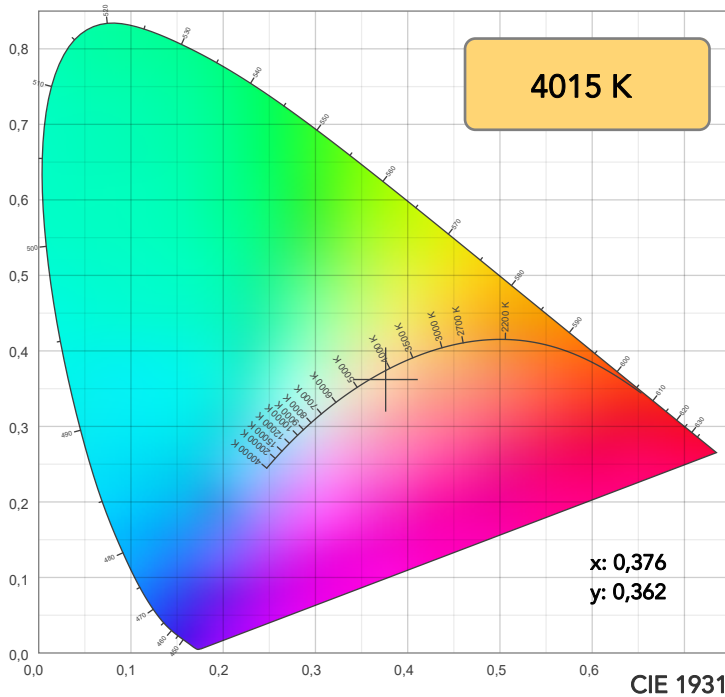
Field angle 10%: 73,1°

Cut off angle 2.5%: 108,5°

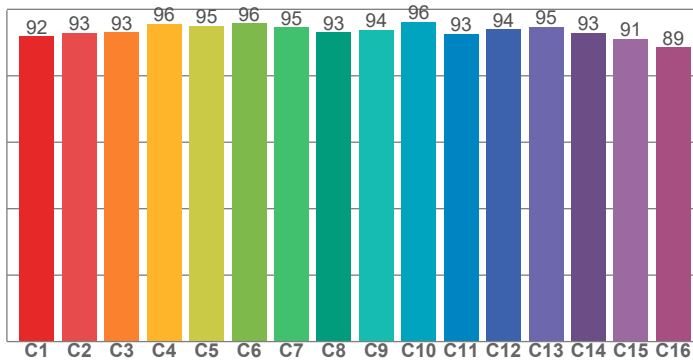
Spectra



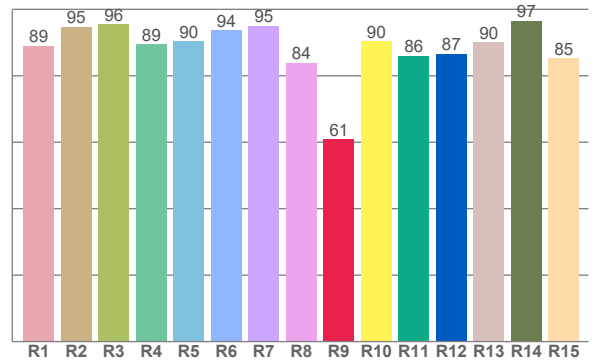
COLOR DETAILS



TM30: 93,5



CRI: 91,5 (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
89,0	94,8	95,5	89,4	90,3	93,6	95,1	83,9	60,9	90,3	86,0	86,6	90,1	96,6	85,2

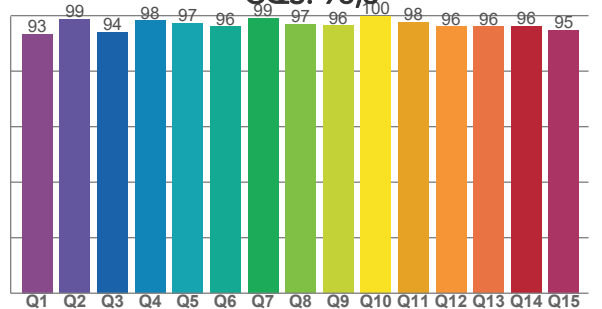
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 96,3



COLOR PARAMETERS

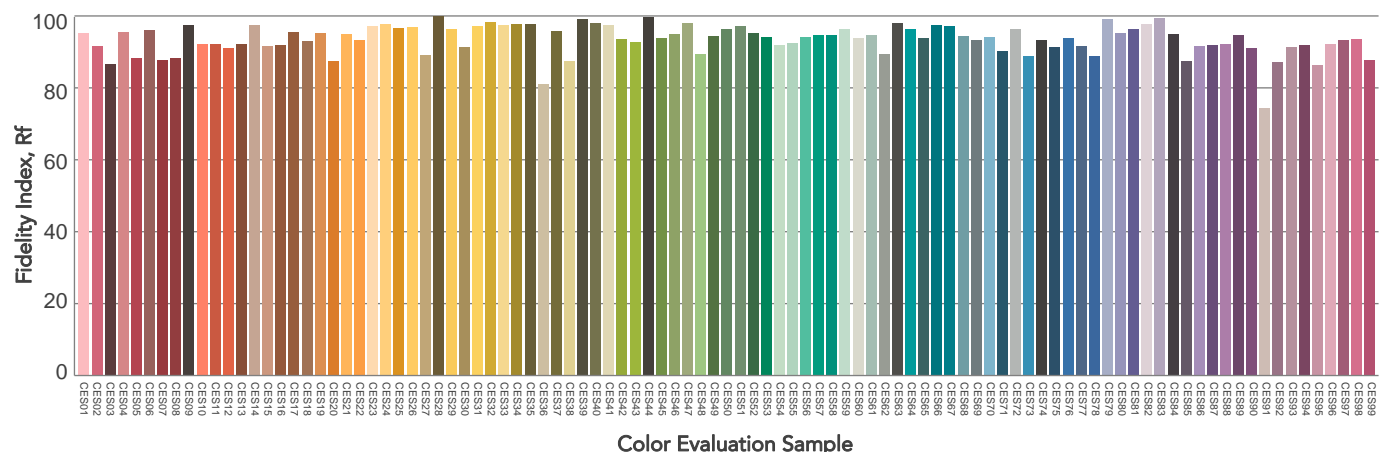
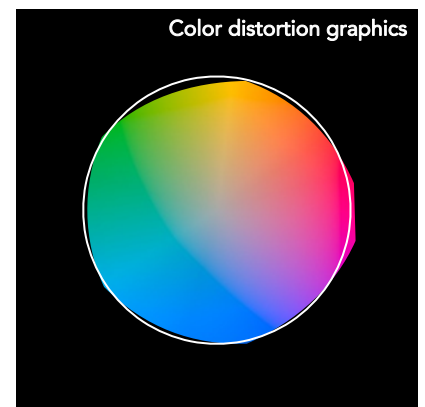
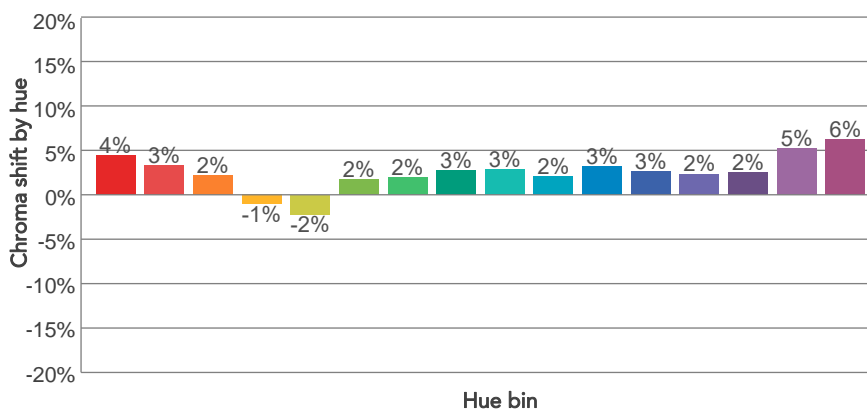
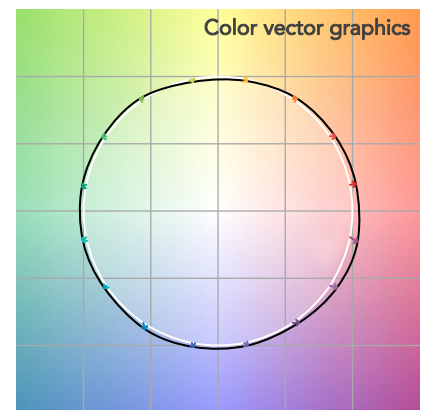
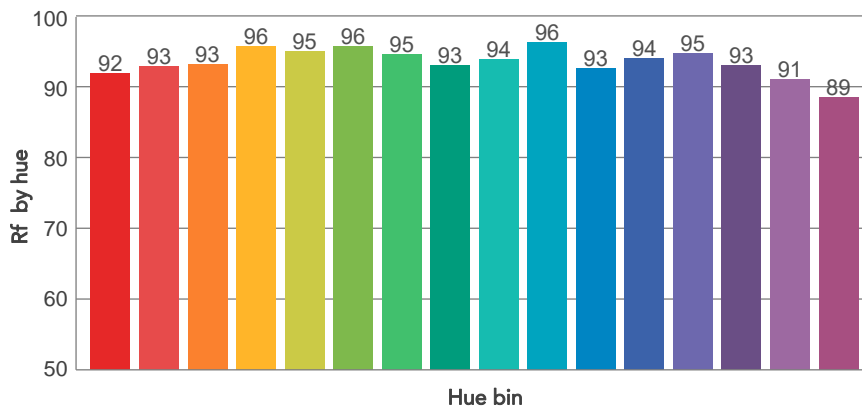
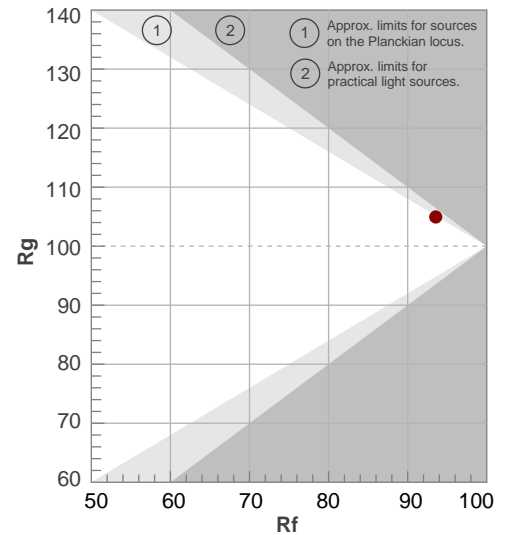
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4015 K	91,5	60,9	93,5	104,9	96,3	98	0,376	0,362	-0,0057

TM30 DETAILS

Rf 93,5
Fidelity index Rf

Rg 104,9
Gammut index

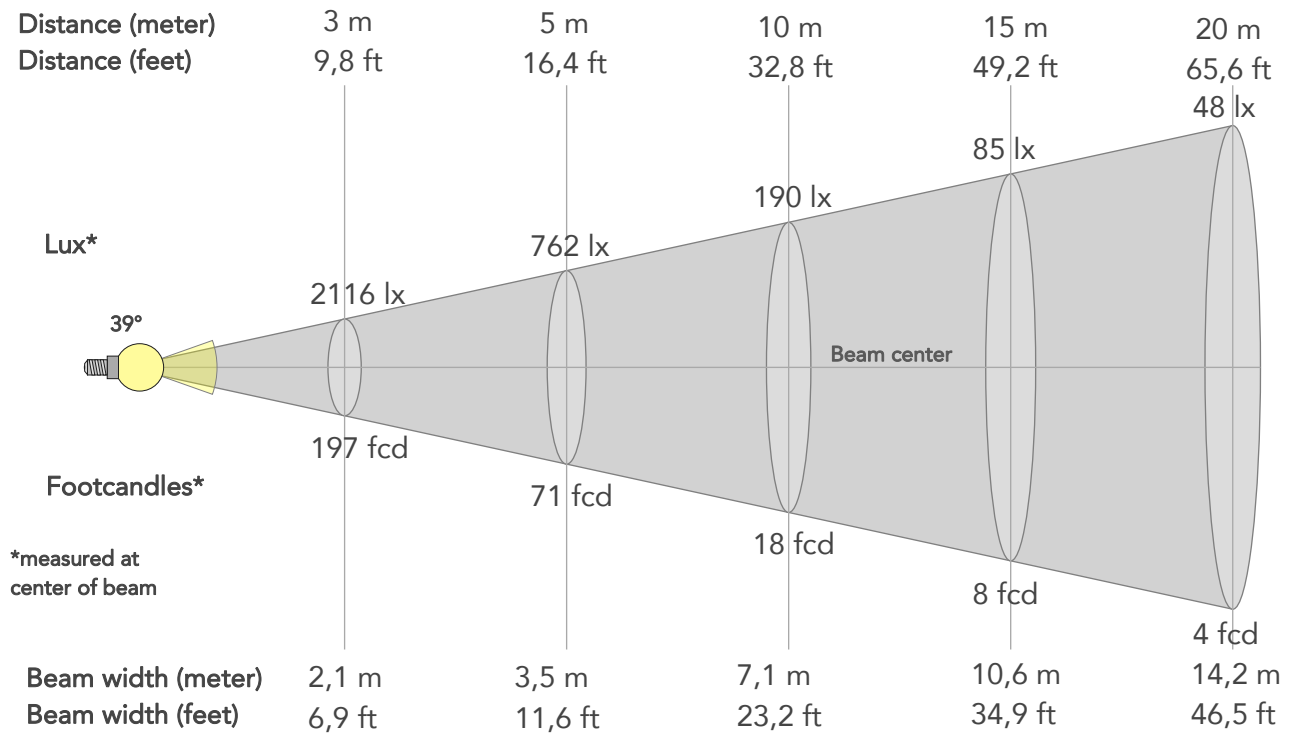
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	92	4%	0%
2	93	3%	-2%
3	93	2%	-2%
4	96	-1%	-2%
5	95	-2%	0%
6	96	2%	2%
7	95	2%	2%
8	93	3%	2%
9	94	3%	3%
10	96	2%	1%
11	93	3%	4%
12	94	3%	2%
13	95	2%	2%
14	93	2%	4%
15	91	5%	2%
16	89	6%	-2%



BEAM DETAILS



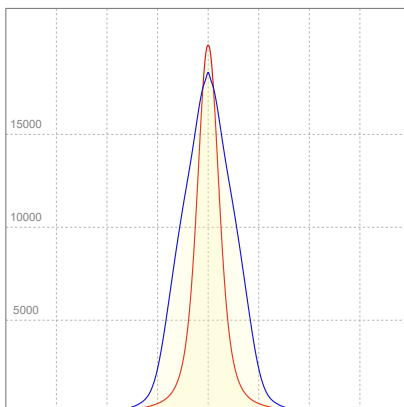
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39°	73,1°	108,5°	94,8%	86,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	19044lx	4761lx	2116lx	1190lx	762lx	339lx	190lx	85lx	48lx	30lx	21lx	12lx	8lx
Footcand.	1769fcd	442fcd	197fcd	111fcd	71fcd	31fcd	18fcd	8fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,7m	1,4m	2,1m	2,8m	3,5m	5,3m	7,1m	10,6m	14,2m	17,7m	21,3m	28,4m	35,4m
Beam wid.	2,3ft	4,7ft	6,9ft	9,3ft	11,6ft	17,4ft	23,2ft	34,9ft	46,5ft	58,1ft	69,7ft	93ft	116,2ft

LINEAR DISTRIBUTION DIAGRAM

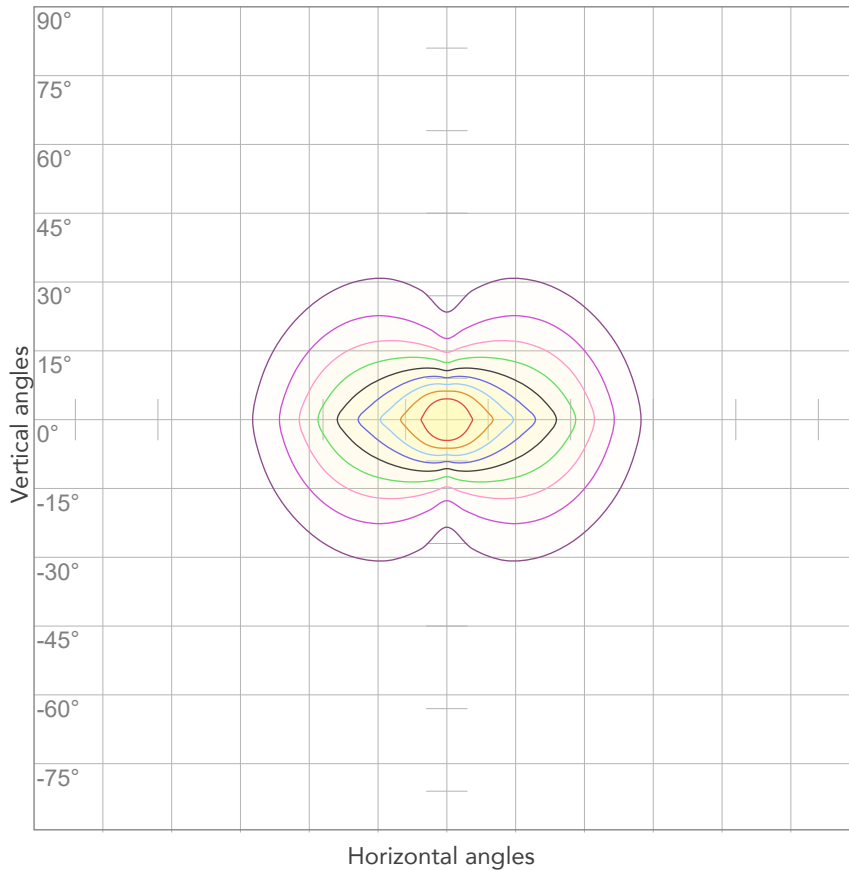


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	1,04A	222,2W	0,96	52lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



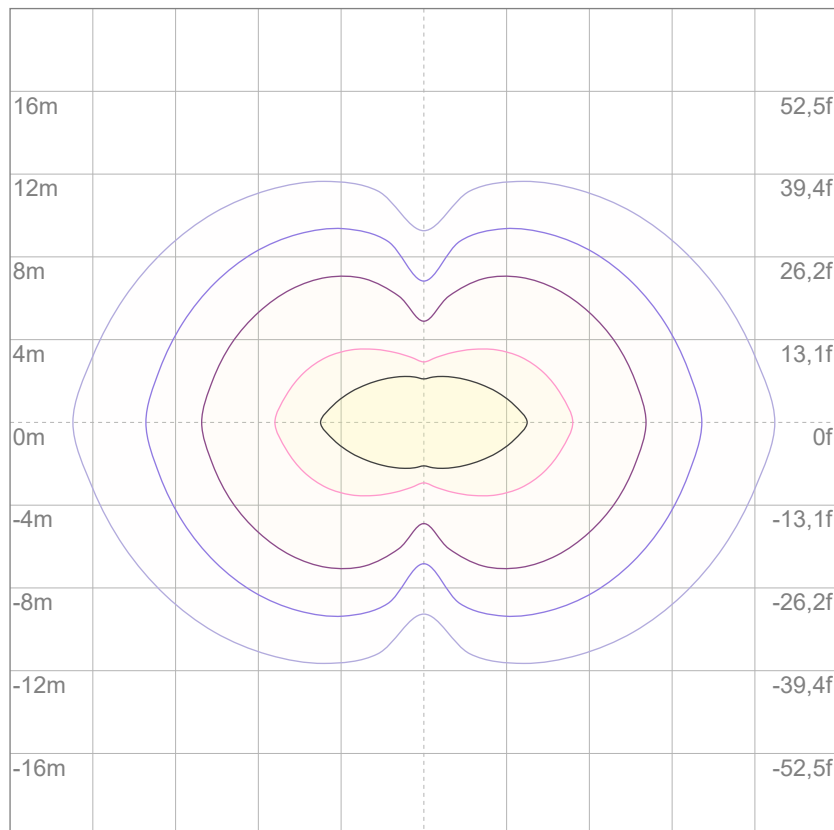
10%	1904 cd
20%	3809 cd
30%	5713 cd
40%	7618 cd
50%	9522 cd
60%	11427 cd
70%	13331 cd
80%	15236 cd

Conditions:

Number of c-planes: 4

Candela at center: 19044 cd

ISO LUX DIAGRAM



3%	5,71 lx
5%	9,52 lx
10%	19,0 lx
30%	57,1 lx
50%	95,2 lx

Conditions:

Number of c-planes: 4

Lux at center: 190 lx

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



Total lumen output:

11629 lm

Peak candela output:

16252 cd

Light quality:

CRI: 91,2

Color temperature:

4038 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

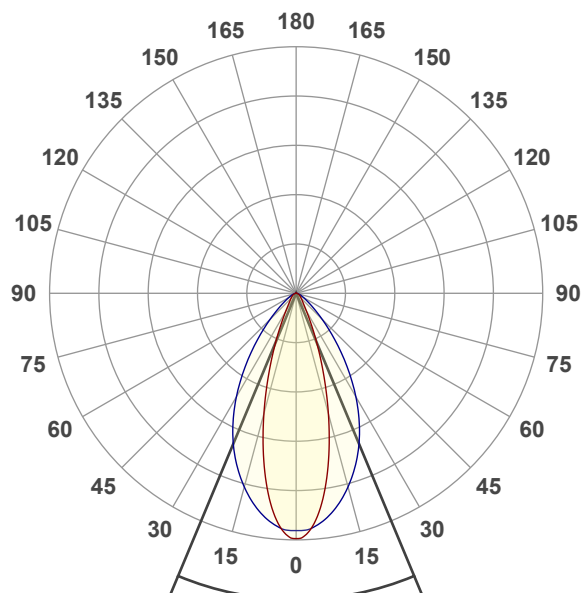
4000K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 17:53:16

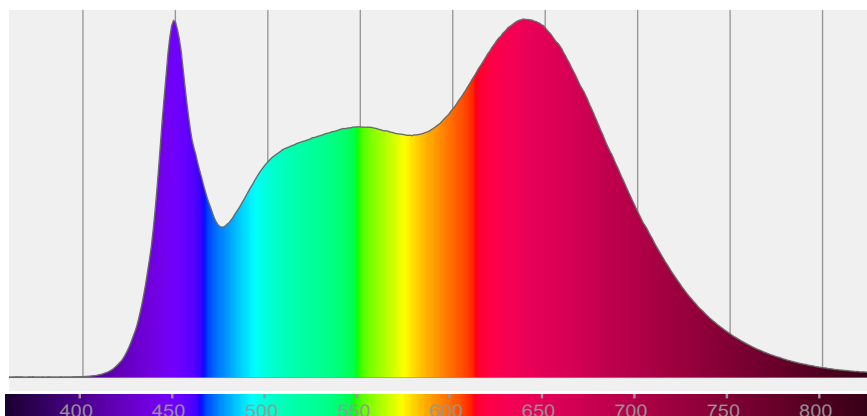


Beam angle 50%: 45,3°

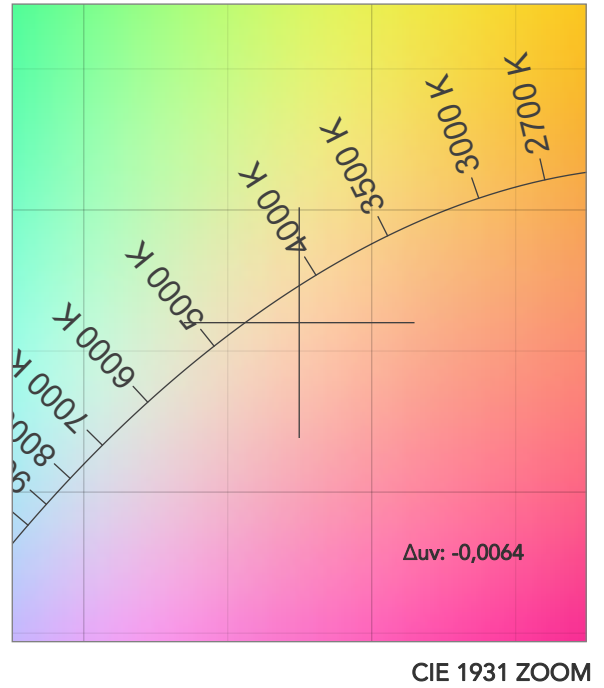
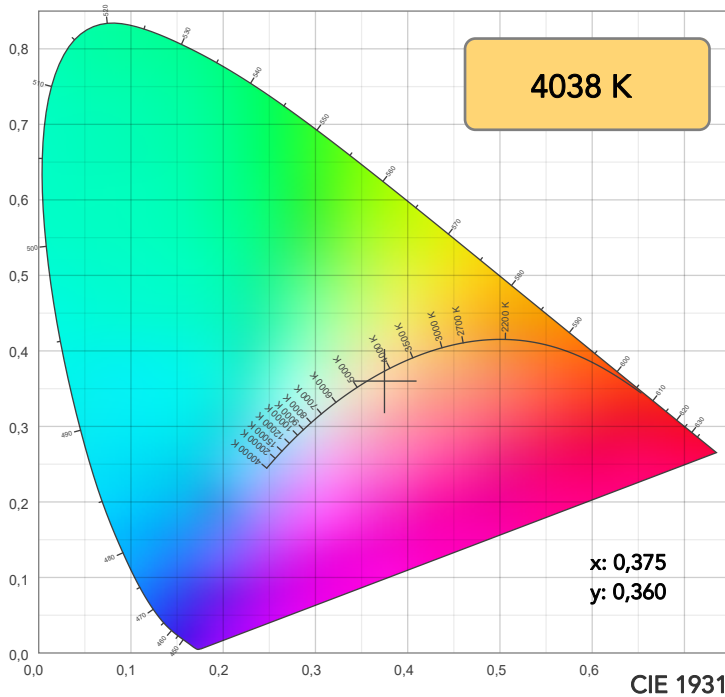
Field angle 10%: 77,9°

Cut off angle 2.5%: 113,5°

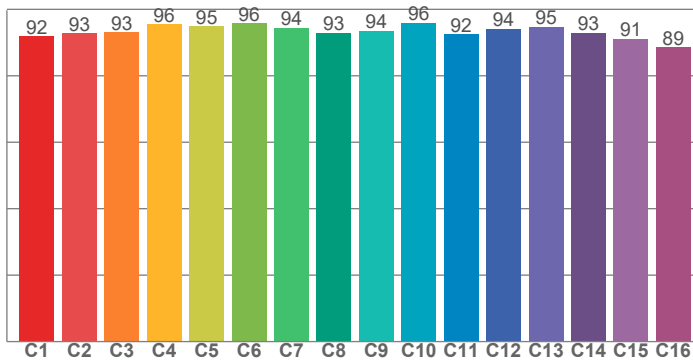
Spectra



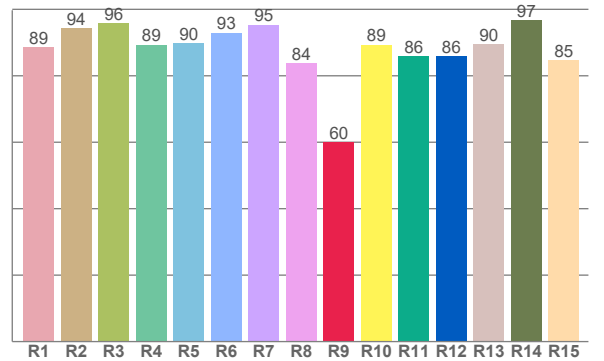
COLOR DETAILS



TM30: 93,5



CRI: 91,2 (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
88,5	94,3	95,8	89,3	89,8	93,0	95,3	83,8	60,1	89,4	85,8	85,9	89,6	96,7	84,6

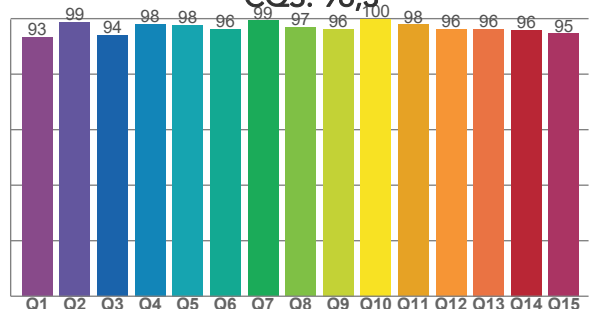
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 96,3



COLOR PARAMETERS

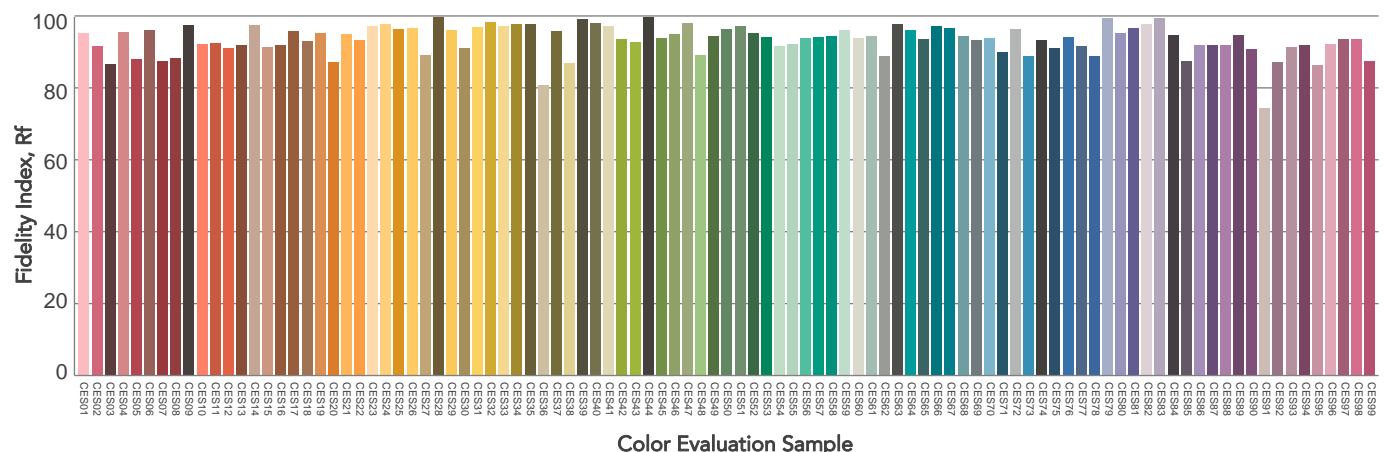
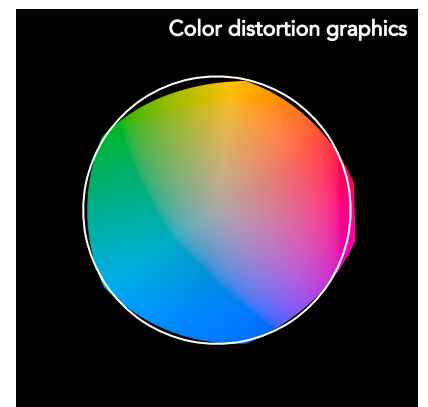
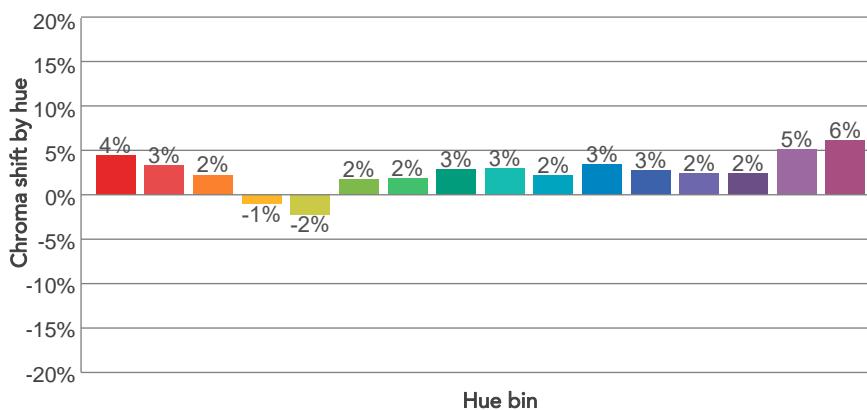
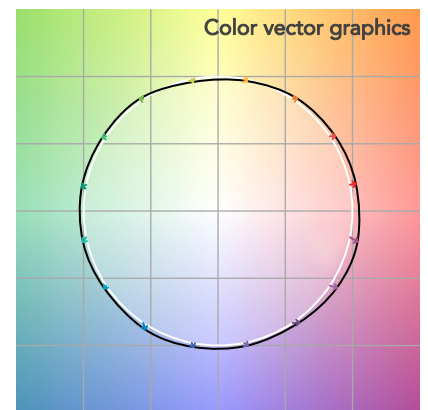
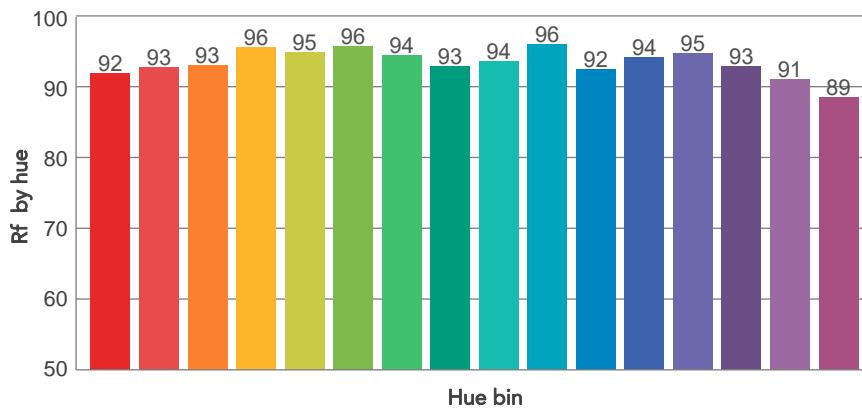
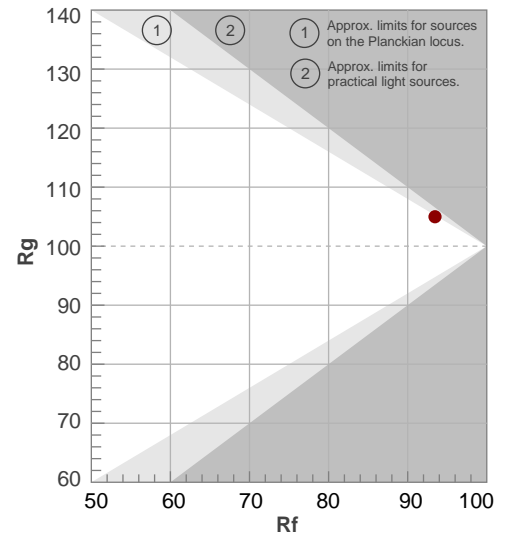
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4038 K	91,2	60,1	93,5	105,0	96,3	98	0,375	0,360	-0,0064

TM30 DETAILS

Rf 93,5
Fidelity index Rf

Rg 105,0
Gammut index

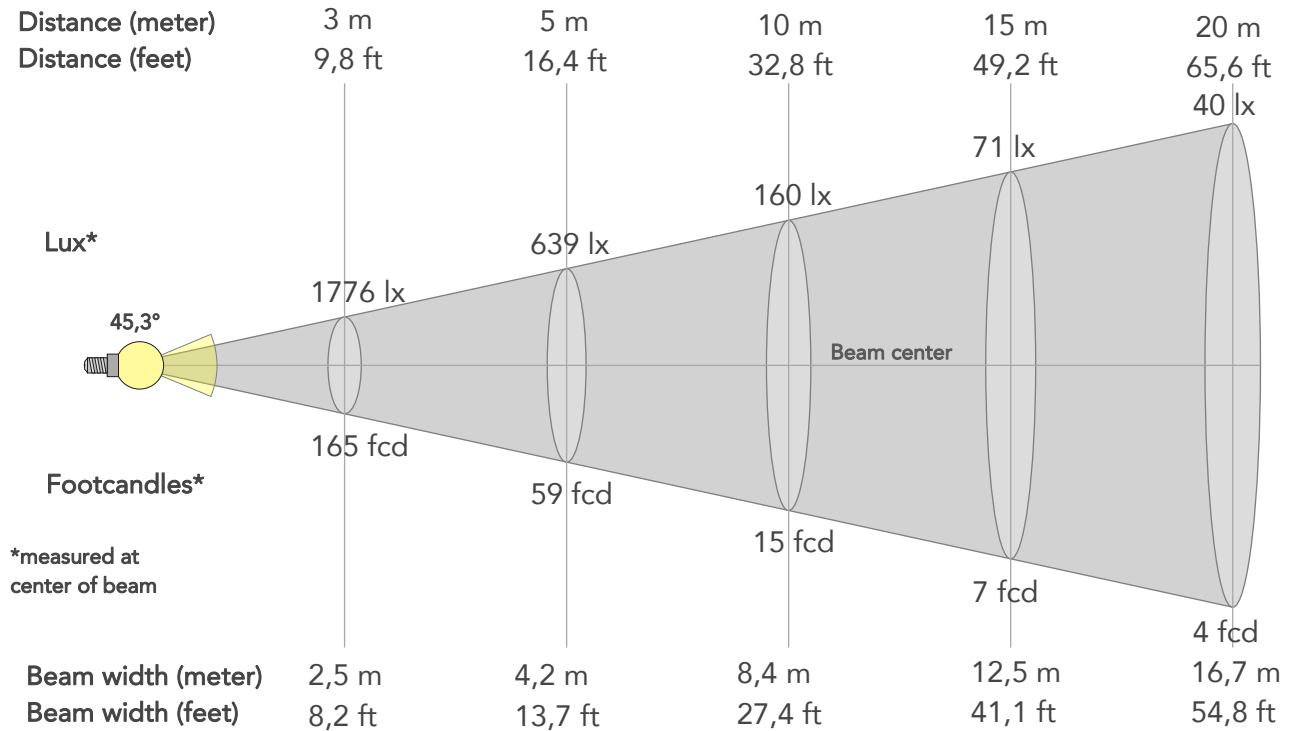
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	92	4%	0%
2	93	3%	-2%
3	93	2%	-2%
4	96	-1%	-2%
5	95	-2%	0%
6	96	2%	2%
7	94	2%	2%
8	93	3%	3%
9	94	3%	3%
10	96	2%	1%
11	92	3%	4%
12	94	3%	2%
13	95	2%	2%
14	93	2%	4%
15	91	5%	2%
16	89	6%	-2%



BEAM DETAILS



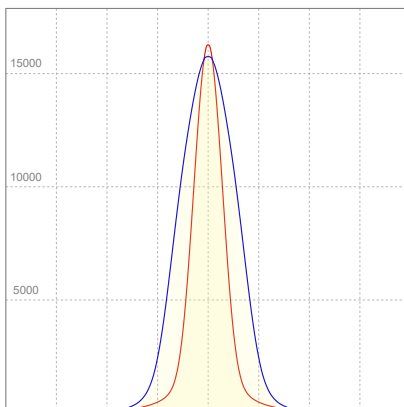
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,3°	77,9°	113,5°	95,1%	86,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	15987lx	3997lx	1776lx	999lx	639lx	284lx	160lx	71lx	40lx	26lx	18lx	10lx	6lx
Footcand.	1485fcd	371fcd	165fcd	93fcd	59fcd	26fcd	15fcd	7fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,2m	6,3m	8,4m	12,5m	16,7m	20,9m	25,1m	33,4m	41,8m
Beam wid.	2,8ft	5,5ft	8,2ft	10,9ft	13,7ft	20,5ft	27,4ft	41,1ft	54,8ft	68,5ft	82,2ft	109,6ft	137ft

LINEAR DISTRIBUTION DIAGRAM

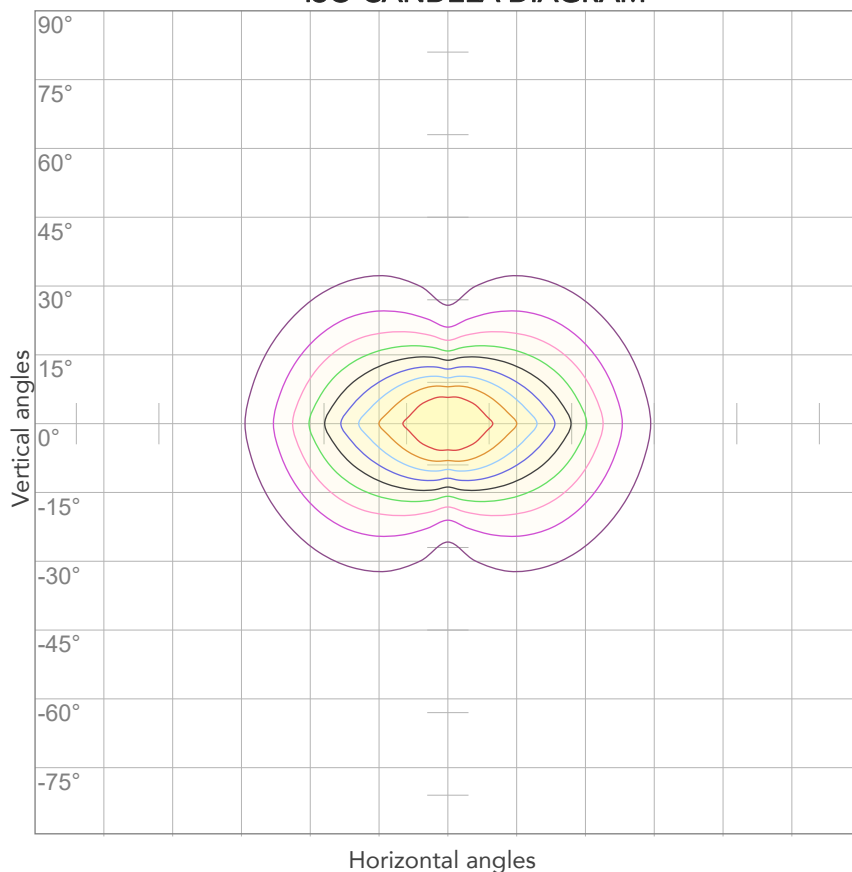


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
223V	1,03A	220,4W	0,96	53lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



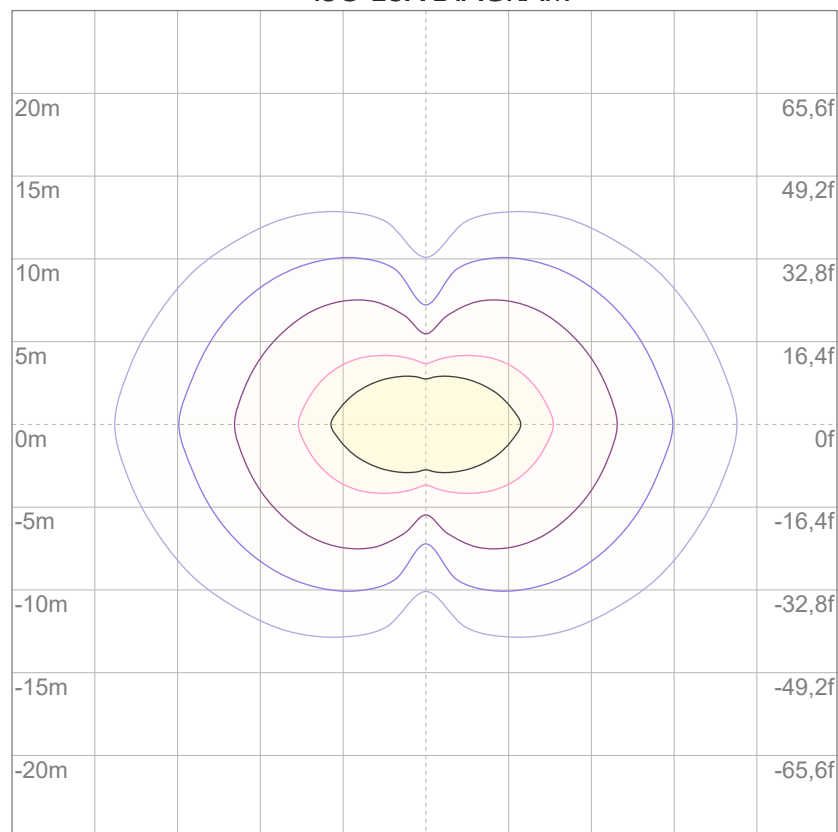
10%	1599 cd
20%	3197 cd
30%	4796 cd
40%	6395 cd
50%	7993 cd
60%	9592 cd
70%	11191 cd
80%	12789 cd

Conditions:

Number of c-planes: 4

Candela at center: 15987 cd

ISO LUX DIAGRAM



3%	4,80 lx
5%	7,99 lx
10%	16,0 lx
30%	48,0 lx
50%	79,9 lx

Conditions:

Number of c-planes: 4

Lux at center: 160 lx

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



Total lumen output:

14235 lm

Peak candela output:

275702 cd

Light quality:

CRI: 97,9

Color temperature:

5678 K

PRODUCT NAME:

ARCSPOTXLW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

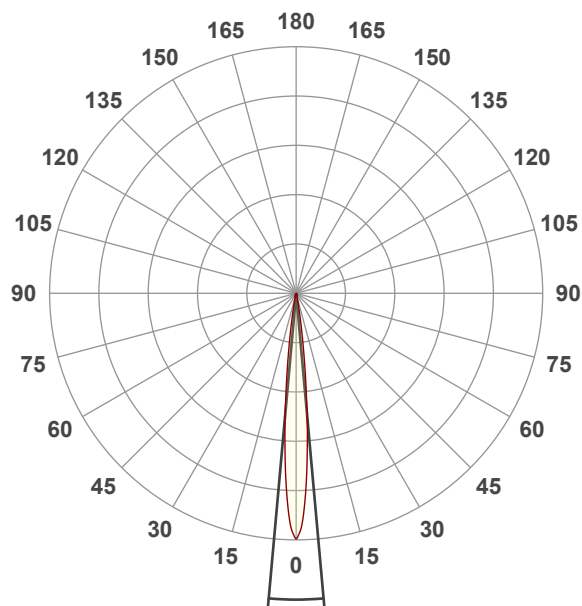
5600K

Operator:

Salvatore Giglio

Date and time:

23/04/2024 13:05:12

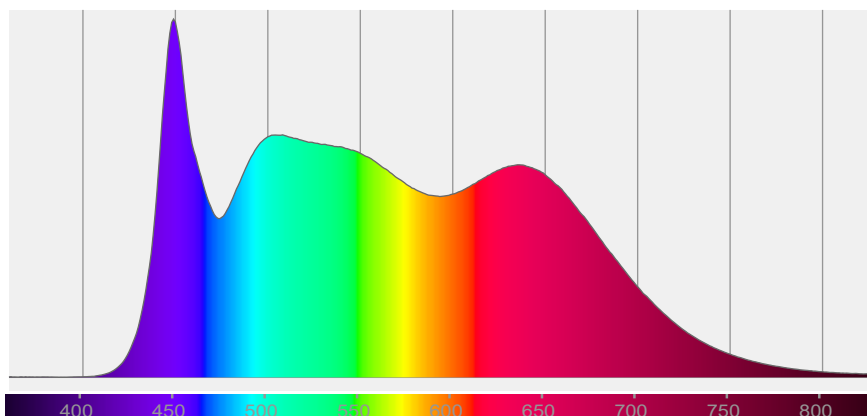


Beam angle 50%: 10,3°

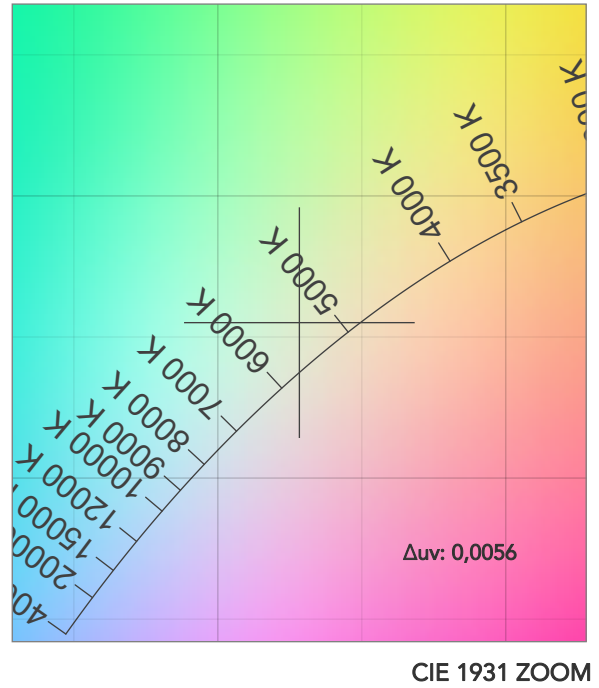
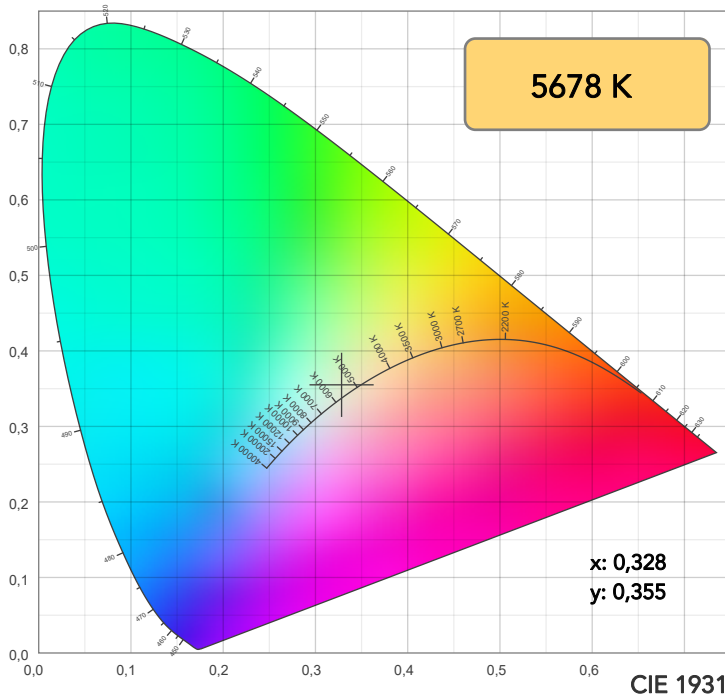
Field angle 10%: 18,8°

Cut off angle 2.5%: 25,8°

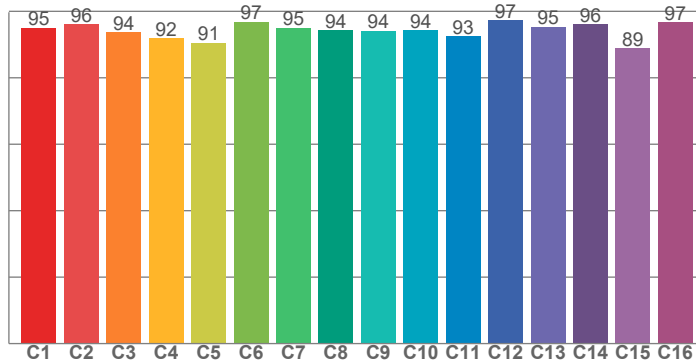
Spectra



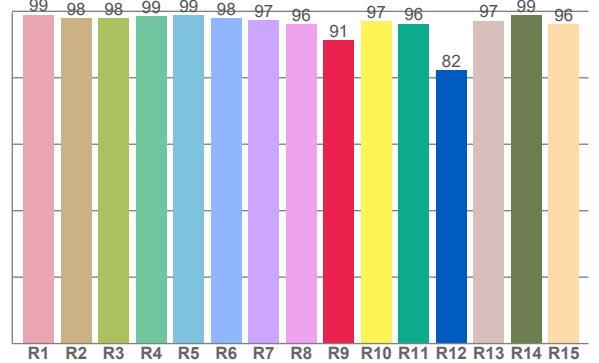
COLOR DETAILS



TM30: 93,9



CRI: 97,9 (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
99,0	98,0	97,9	98,5	98,8	97,9	97,3	96,2	91,2	97,1	96,2	82,2	97,1	98,8	96,1

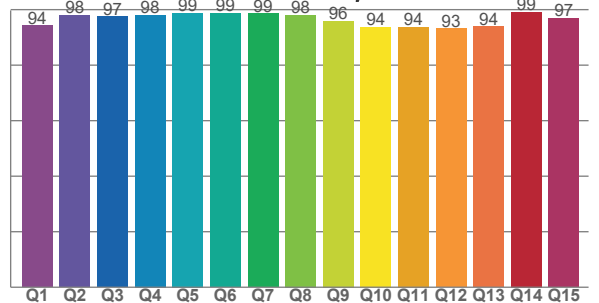
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,0	96,1	93,6	91,9	90,6	96,8	95,0	94,2	94,1	94,3	92,5	97,2	95,3	96,1	88,8	96,7

CQS Q values

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

CQS: 96,0



COLOR PARAMETERS

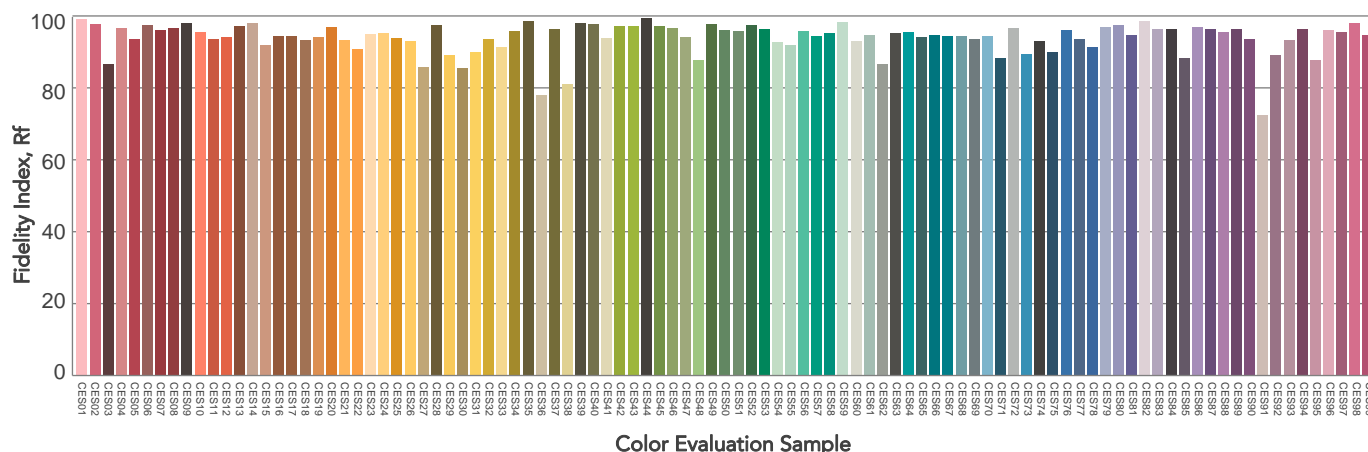
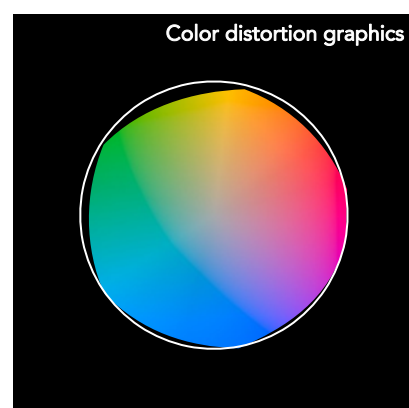
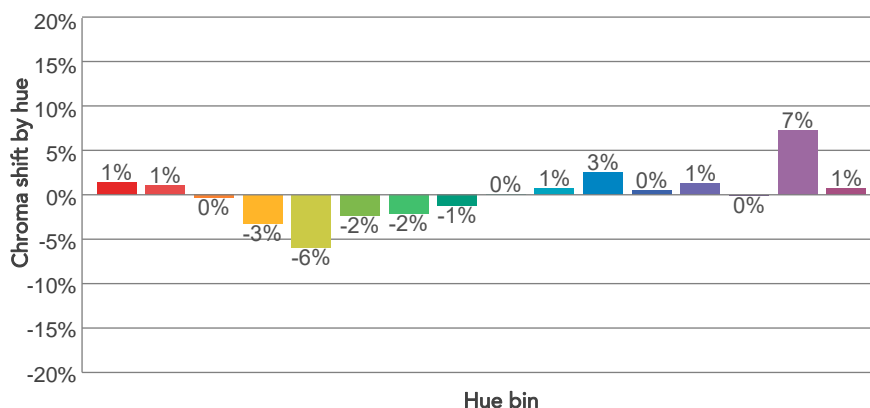
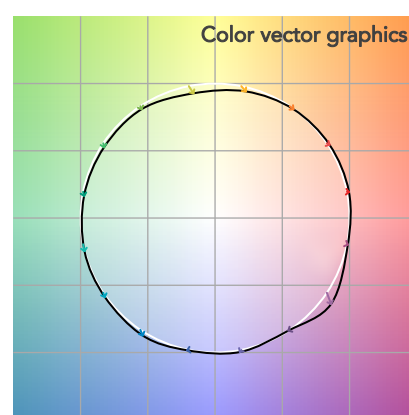
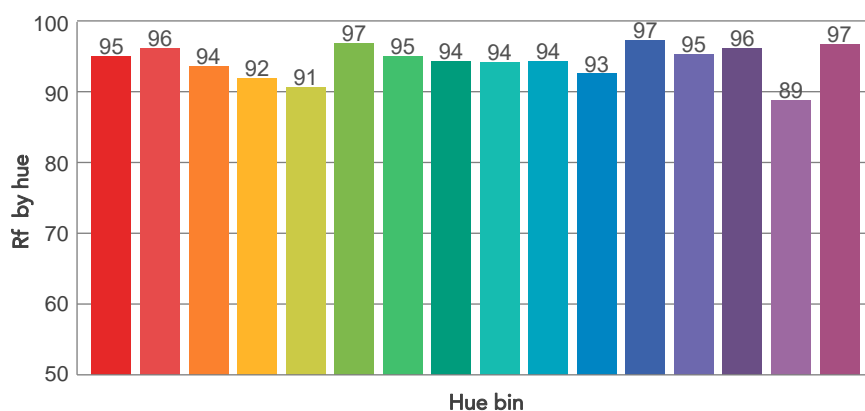
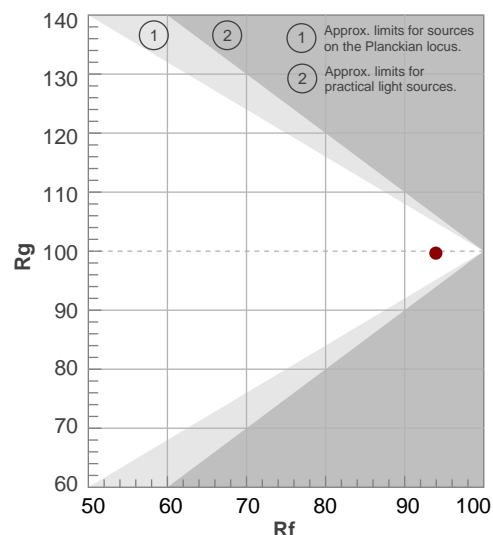
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5678 K	97,9	91,2	93,9	99,7	96,0	98	0,328	0,355	0,0056

TM30 DETAILS

Rf 93,9
Fidelity index Rf

Rg 99,7
Gammut index

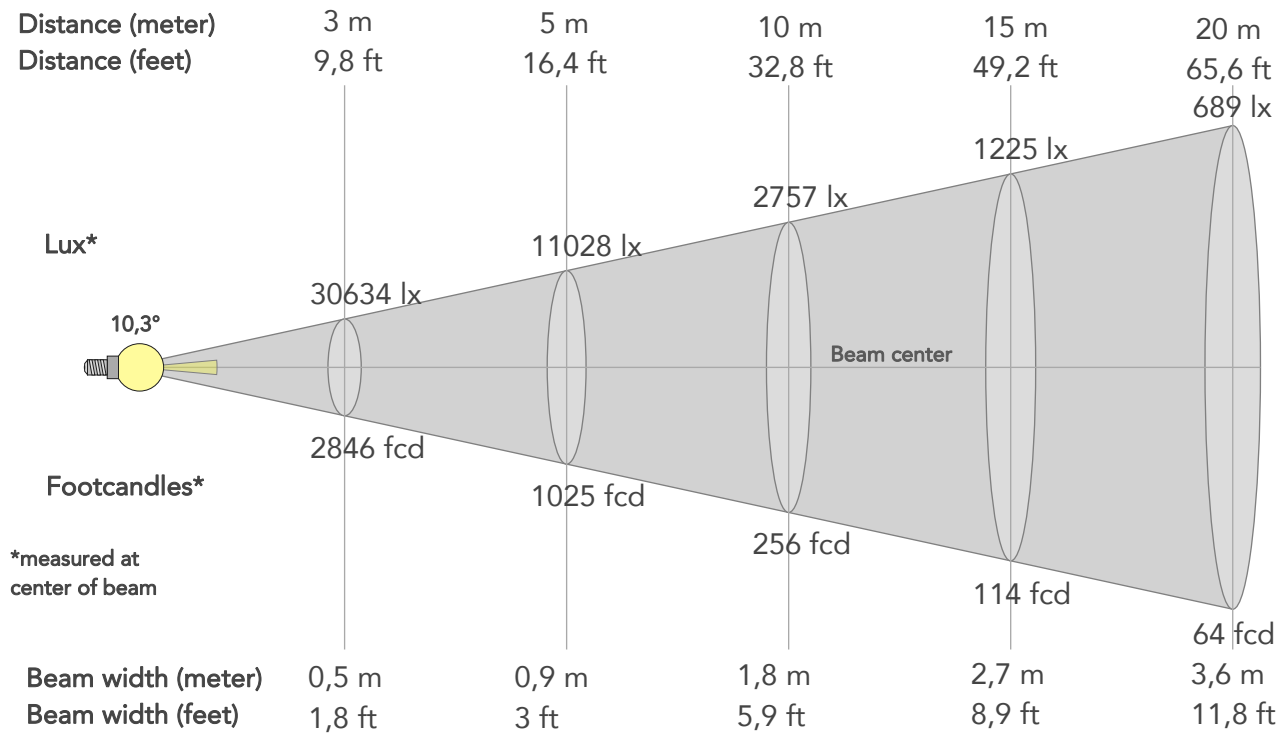
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	1%	0%
2	96	1%	-2%
3	94	0%	-4%
4	92	-3%	-4%
5	91	-6%	-2%
6	97	-2%	0%
7	95	-2%	2%
8	94	-1%	3%
9	94	0%	5%
10	94	1%	3%
11	93	3%	4%
12	97	0%	-1%
13	95	1%	-1%
14	96	0%	-1%
15	89	7%	-5%
16	97	1%	0%



BEAM DETAILS



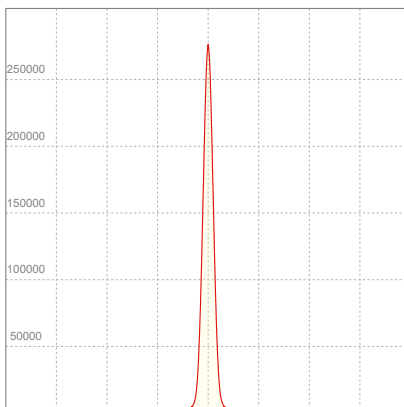
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,3°	18,8°	25,8°	93,4%	89,5%



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	275702lx	68926lx	30634lx	17231lx	11028lx	4901lx	2757lx	1225lx	689lx	441lx	306lx	172lx	110lx
Footcand.	25614fcd	6403fcd	2846fcd	1601fcd	1025fcd	455fcd	256fcd	114fcd	64fcd	41fcd	28fcd	16fcd	10fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,7m	3,6m	4,5m	5,4m	7,2m	9m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,4ft	5,9ft	8,9ft	11,8ft	14,8ft	17,7ft	23,6ft	29,5ft

LINEAR DISTRIBUTION DIAGRAM

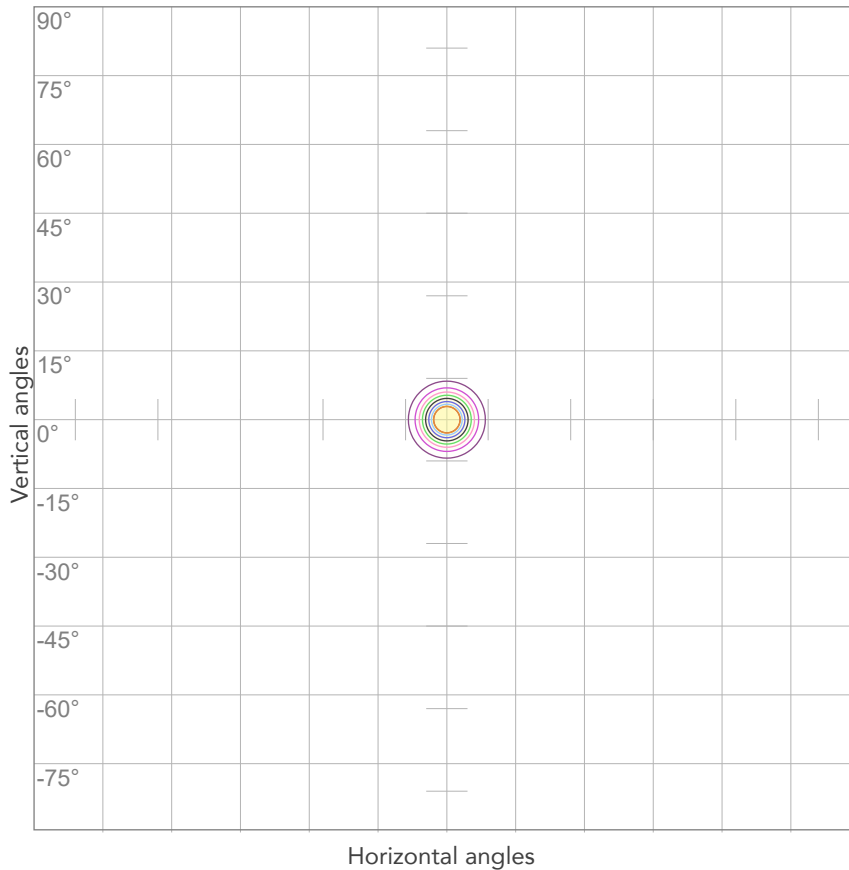


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	1,01A	217,4W	0,95	65lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



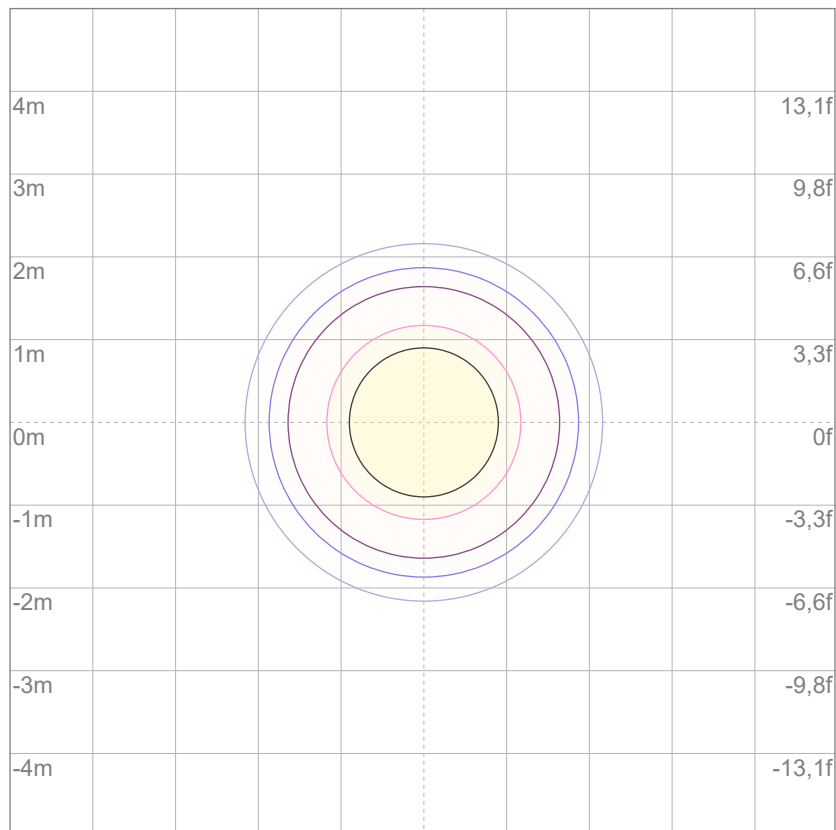
10%	27570 cd
20%	55140 cd
30%	82711 cd
40%	110281 cd
50%	137851 cd
60%	165421 cd
70%	192991 cd
80%	220562 cd

Conditions:

Number of c-planes: 2

Candela at center: 275702 cd

ISO LUX DIAGRAM



3%	82,7 lx
5%	138 lx
10%	276 lx
30%	827 lx
50%	1379 lx

Conditions:

Number of c-planes: 2

Lux at center: 2757 lx

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



Total lumen output:

12658 lm

Peak candela output:

49717 cd

Light quality:

CRI: 94,6

Color temperature:

5619 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

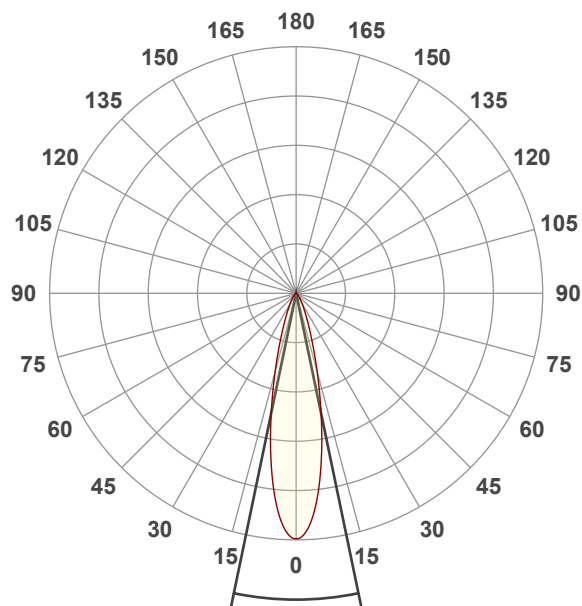
5600K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 14:42:13

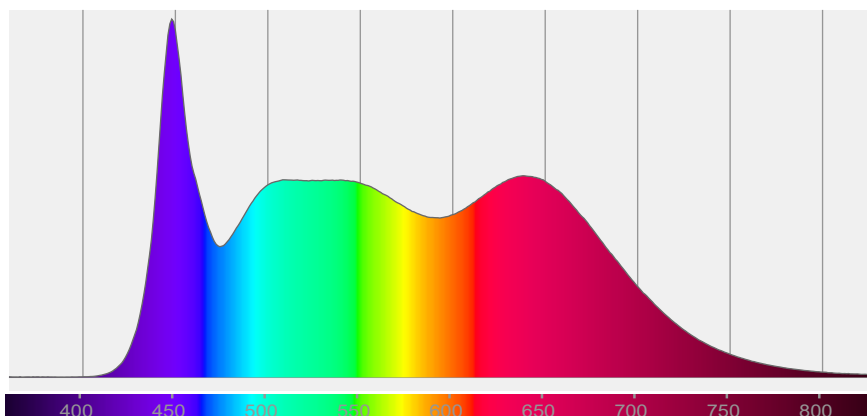


Beam angle 50%: 23,5°

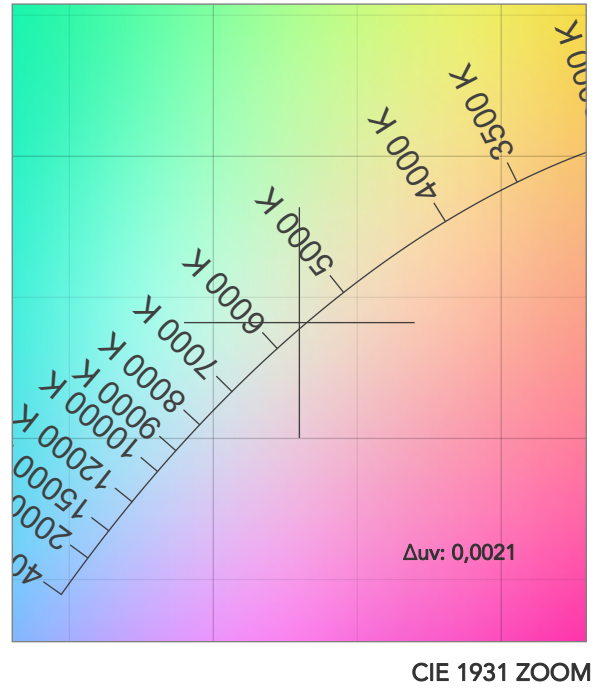
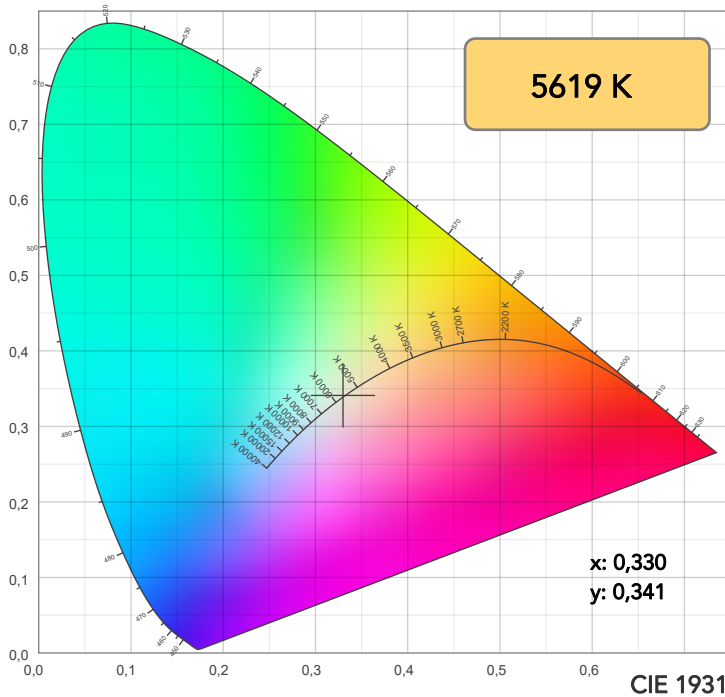
Field angle 10%: 47,6°

Cut off angle 2.5%: 72,9°

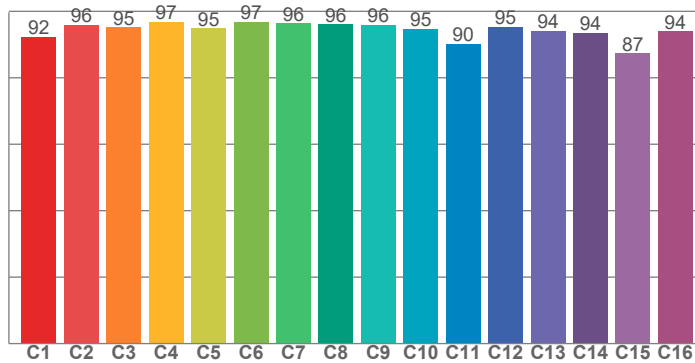
Spectra



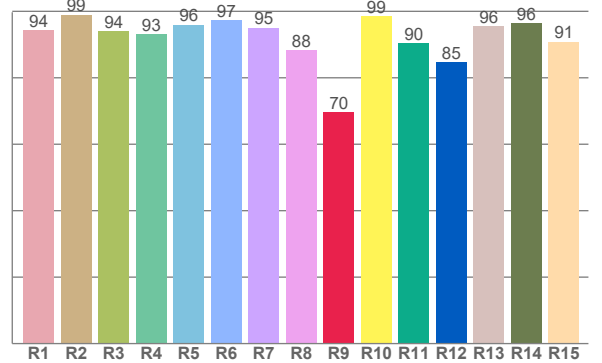
COLOR DETAILS



TM30: 94,3



CRI: 94,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,4	99,0	94,0	93,1	95,9	97,2	95,1	88,2	69,6	98,5	90,4	84,6	95,6	96,4	90,8

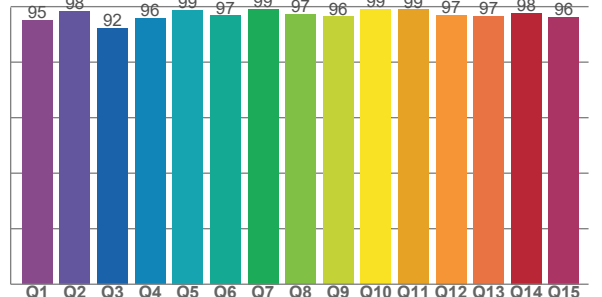
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

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
5619 K	94,6	69,6	94,3	103,6	96,6	97	0,330	0,341	0,0021

TM30 DETAILS

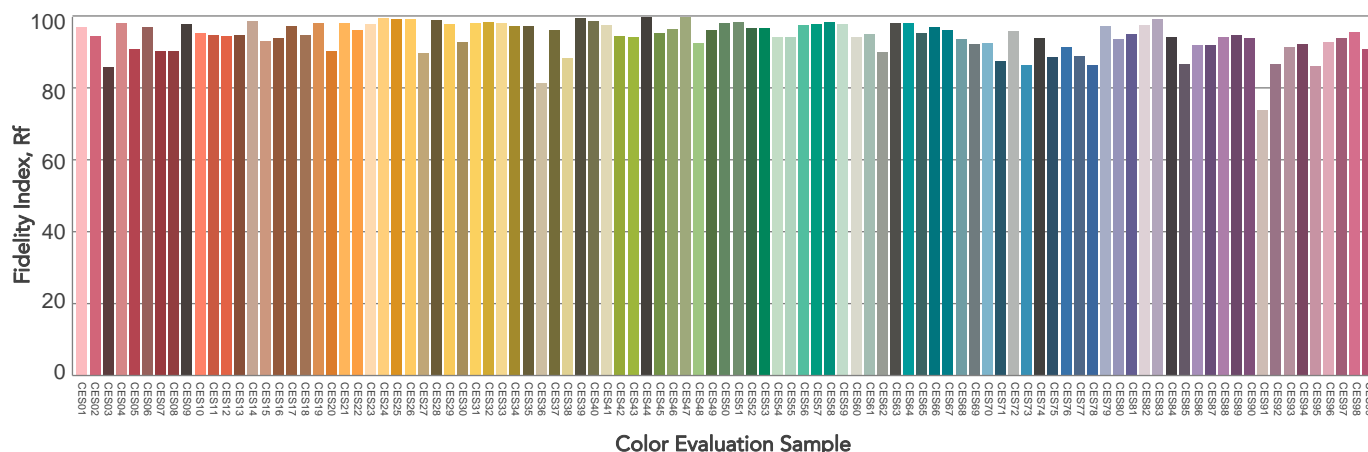
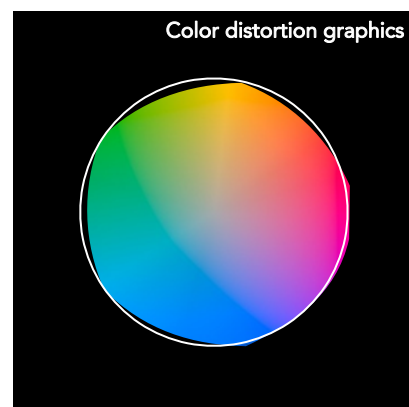
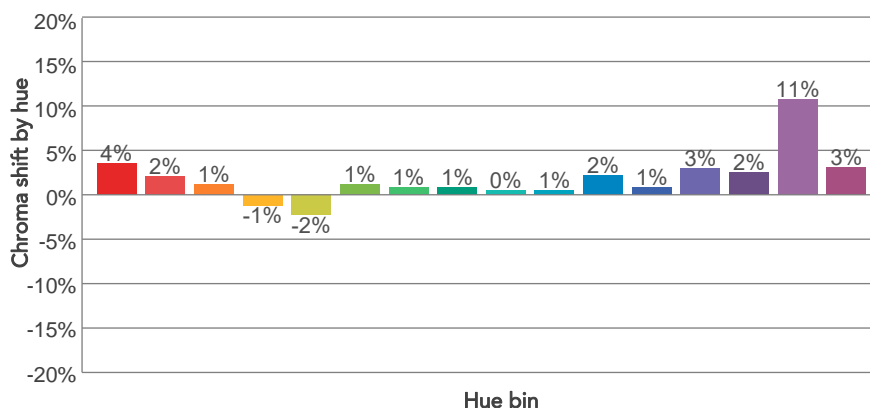
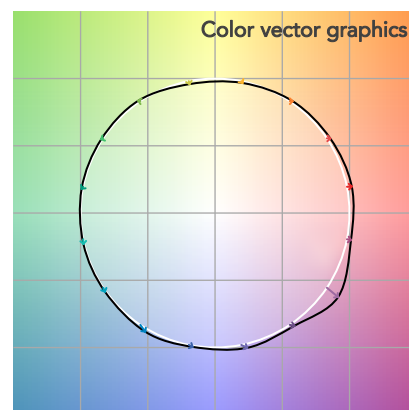
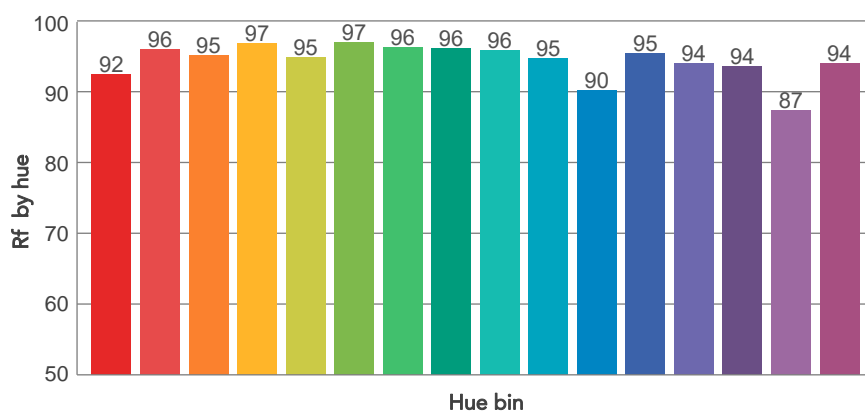
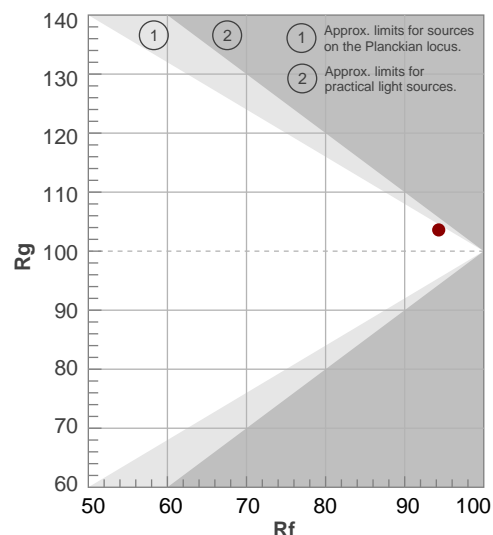
Rf 94,3

Fidelity index Rf

Rg 103,6

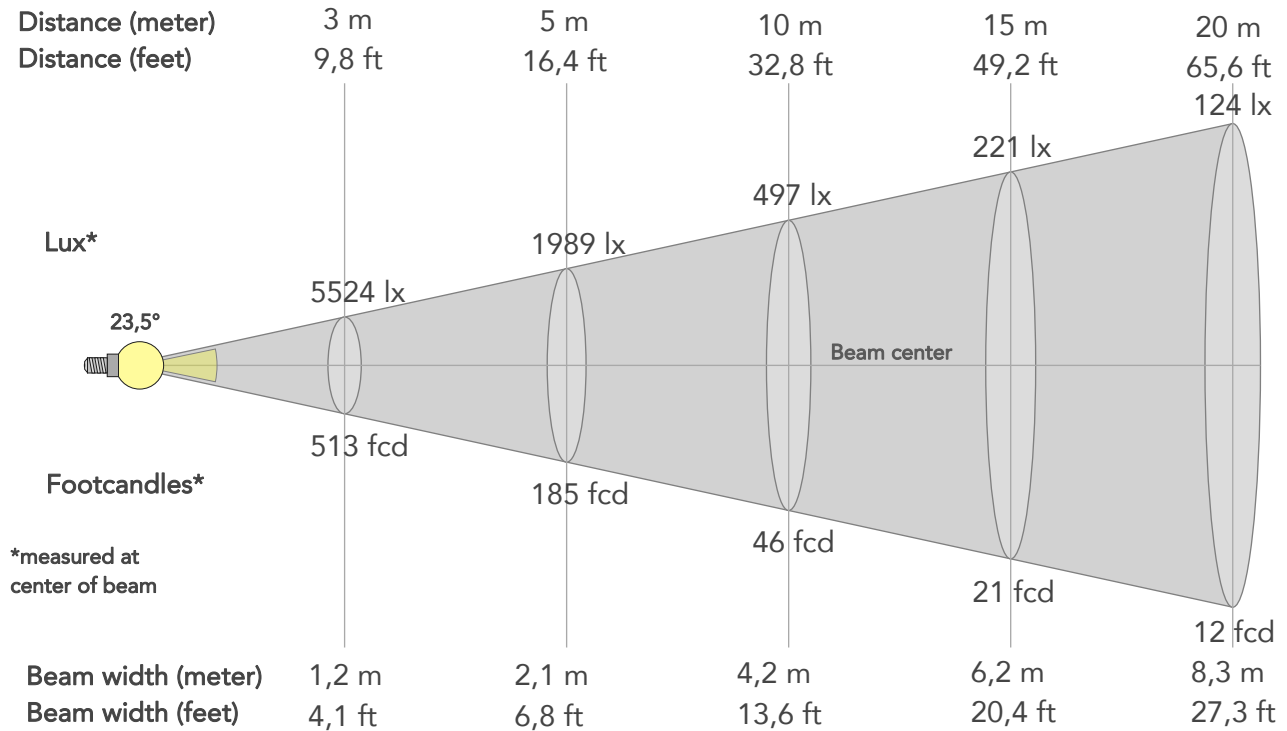
Gammut index

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



BEAM DETAILS

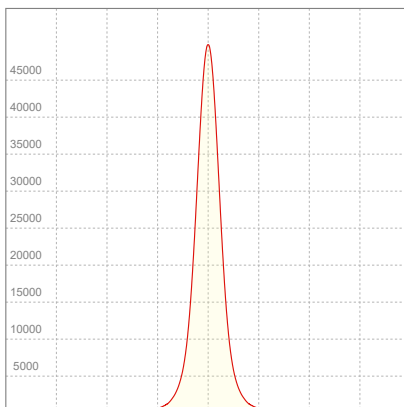
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,5°	47,6°	72,9°	96,1%	91,6%



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	49717lx	12429lx	5524lx	3107lx	1989lx	884lx	497lx	221lx	124lx	80lx	55lx	31lx	20lx
Footcand.	4619fcd	1155fcd	513fcd	289fcd	185fcd	82fcd	46fcd	21fcd	12fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,2m	6,2m	8,3m	10,4m	12,5m	16,6m	20,8m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,3ft	34,1ft	40,9ft	54,5ft	68,1ft

LINEAR DISTRIBUTION DIAGRAM

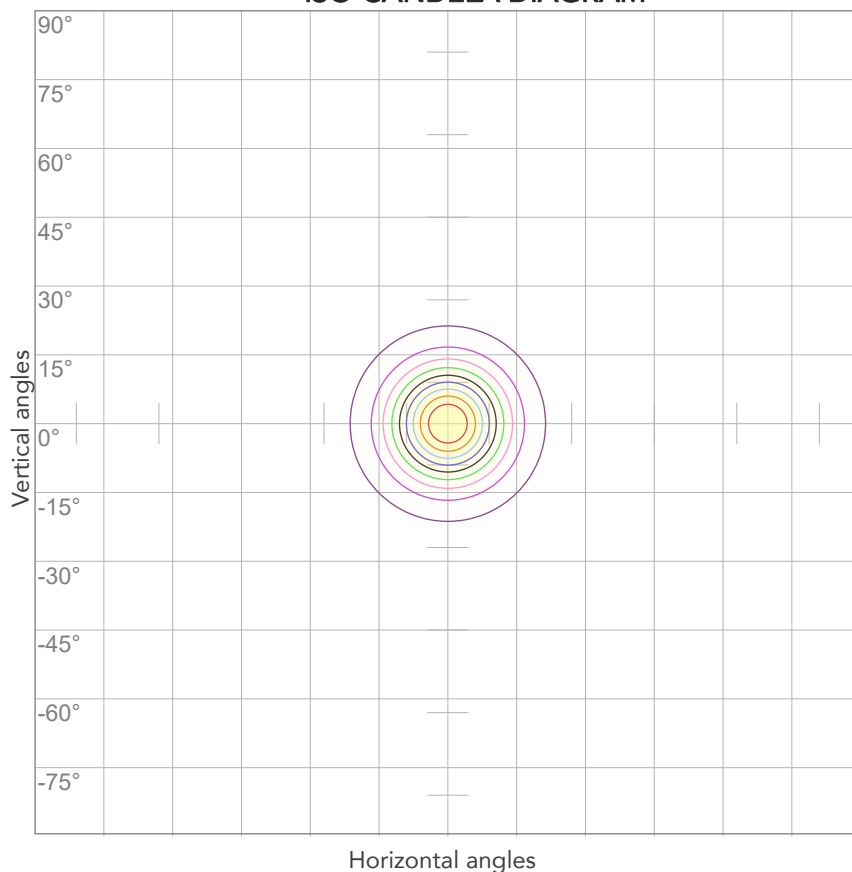


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	1,04A	224,1W	0,96	56lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



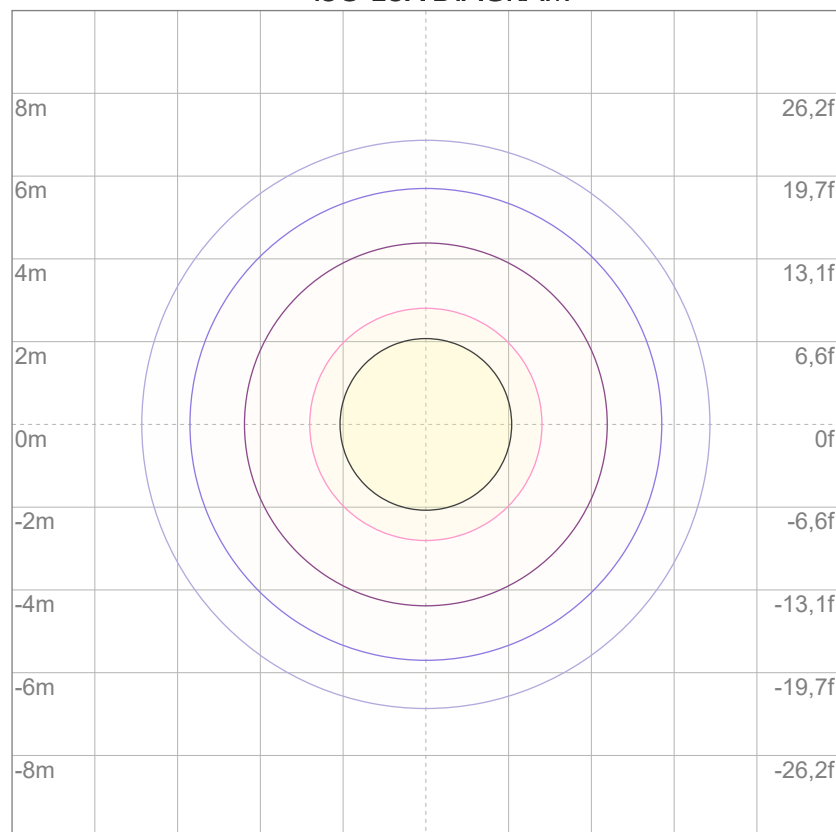
10%	4972 cd
20%	9943 cd
30%	14915 cd
40%	19887 cd
50%	24859 cd
60%	29830 cd
70%	34802 cd
80%	39774 cd

Conditions:

Number of c-planes: 2

Candela at center: 49717 cd

ISO LUX DIAGRAM



3%	14,9 lx
5%	24,9 lx
10%	49,7 lx
30%	149 lx
50%	249 lx

Conditions:

Number of c-planes: 2

Lux at center: 497 lx

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

Total lumen output:

11578 lm

Peak candela output:

15169 cd

Light quality:

CRI: 94,2

Color temperature:

5640 K

No photo

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

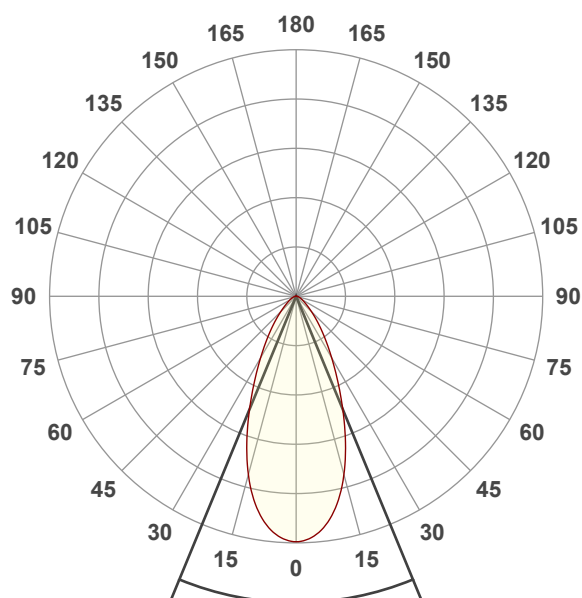
5600K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 15:47:48

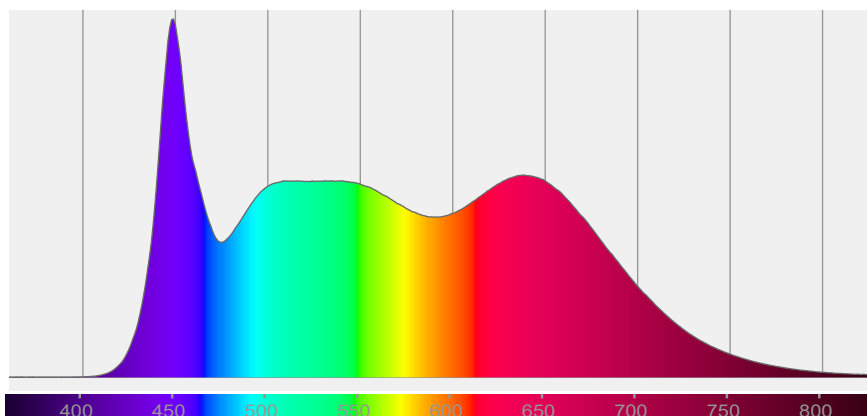


Beam angle 50%: 44,8°

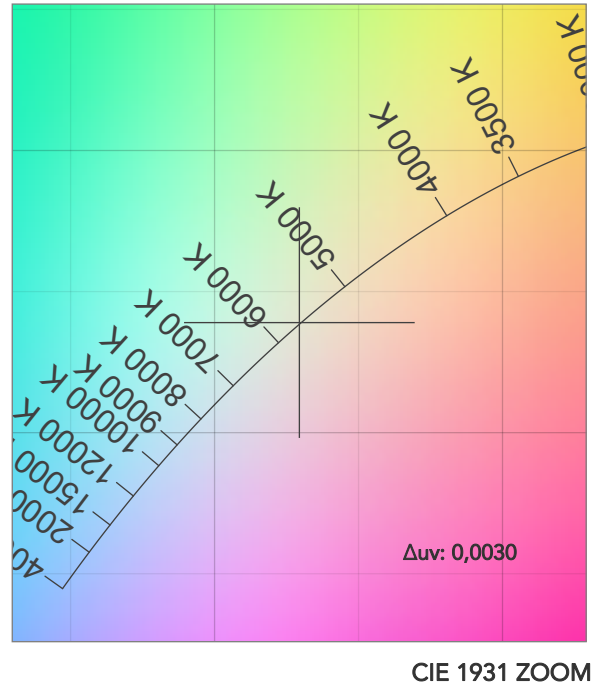
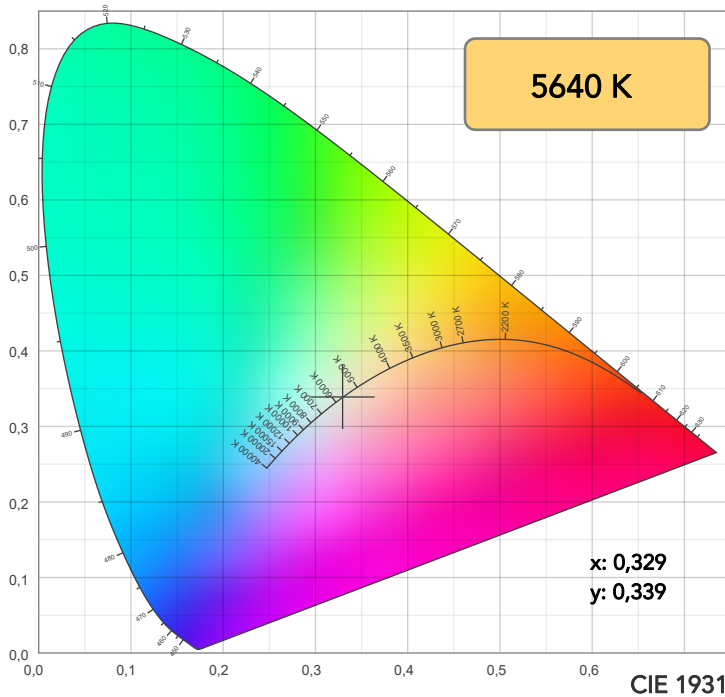
Field angle 10%: 87,1°

Cut off angle 2.5%: 125,1°

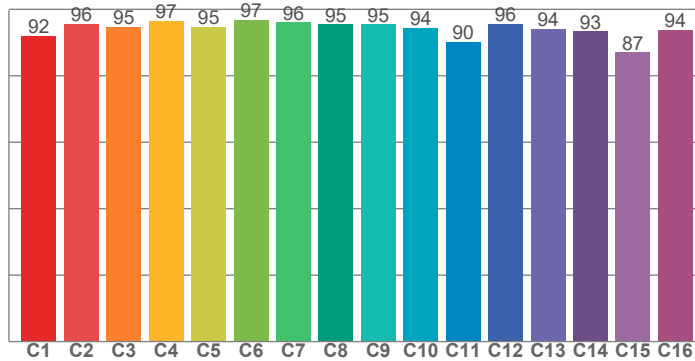
Spectra



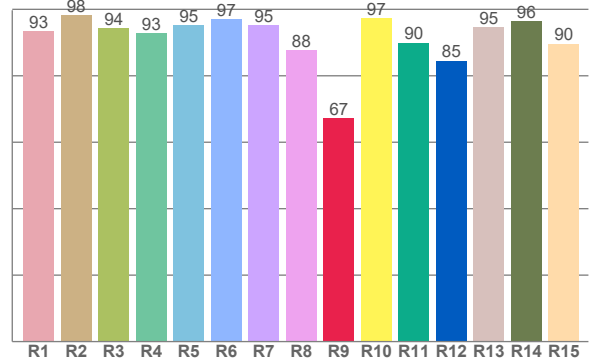
COLOR DETAILS



TM30: 94,1



CRI: 94,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,4	98,3	94,3	92,7	95,1	97,0	95,3	87,6	67,3	97,2	89,9	84,5	94,6	96,4	89,7

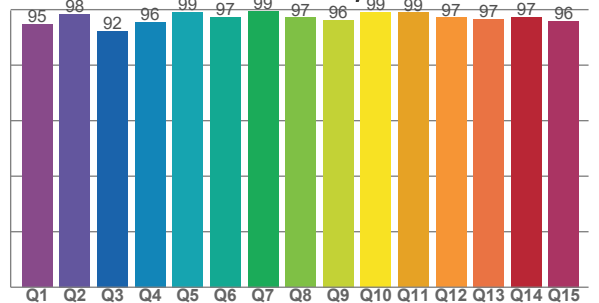
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

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
5640 K	94,2	67,3	94,1	103,7	96,5	97	0,329	0,339	0,0030

TM30 DETAILS

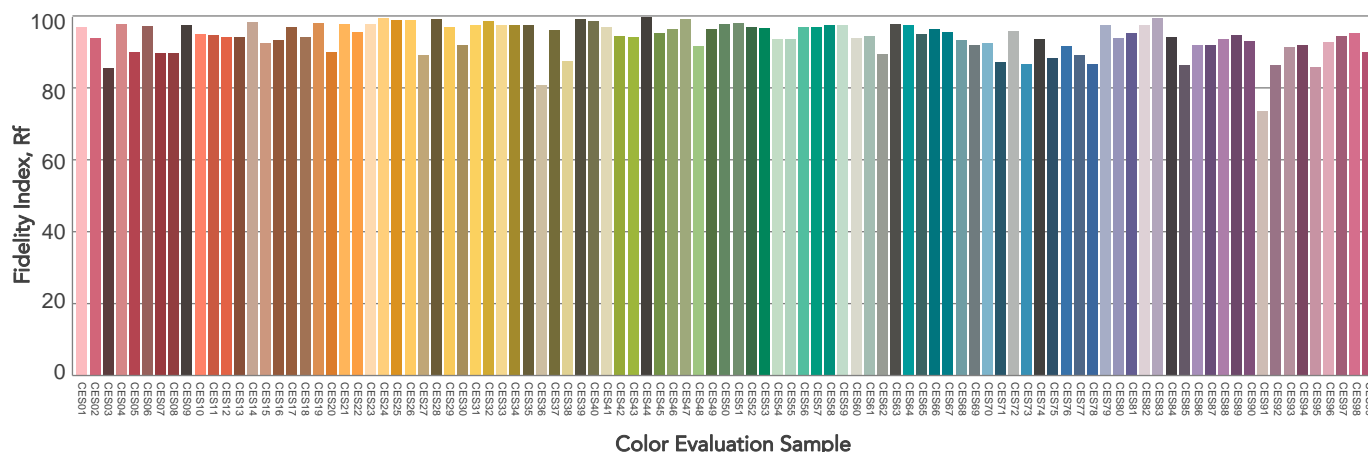
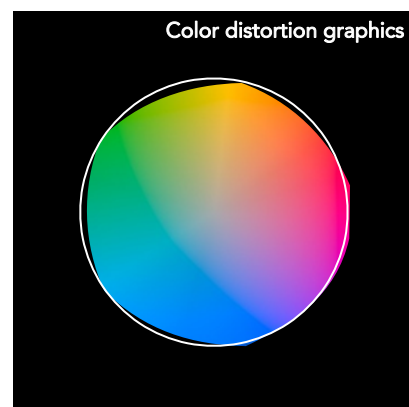
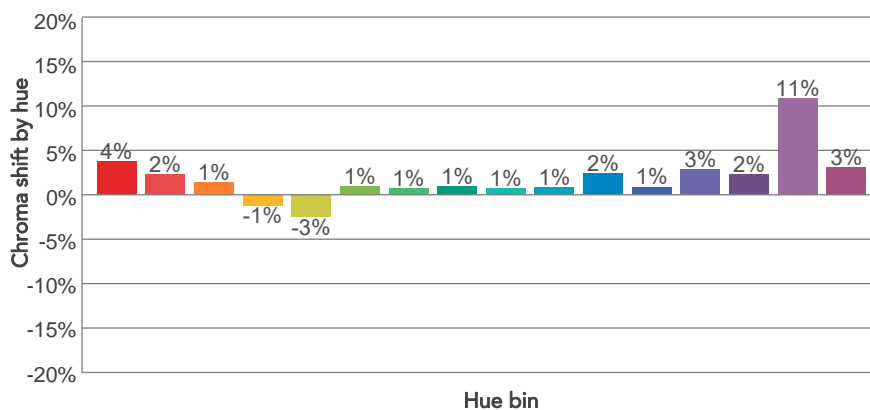
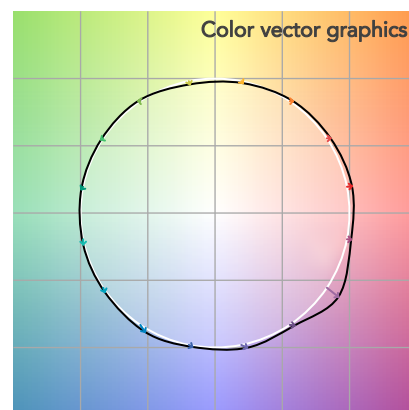
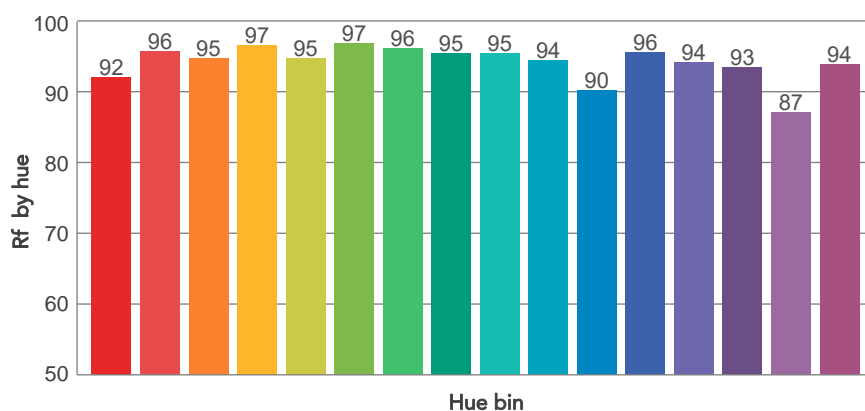
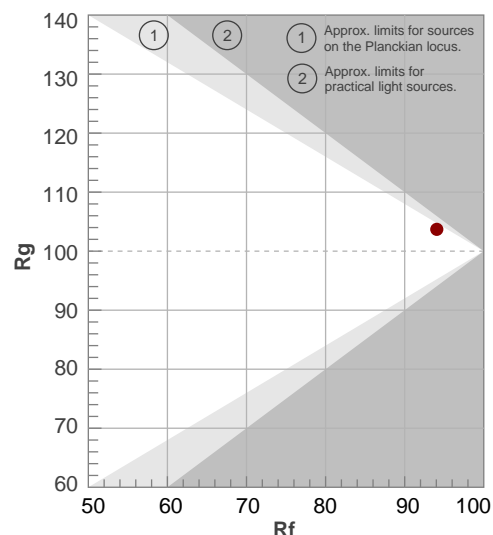
Rf 94,1

Fidelity index Rf

Rg 103,7

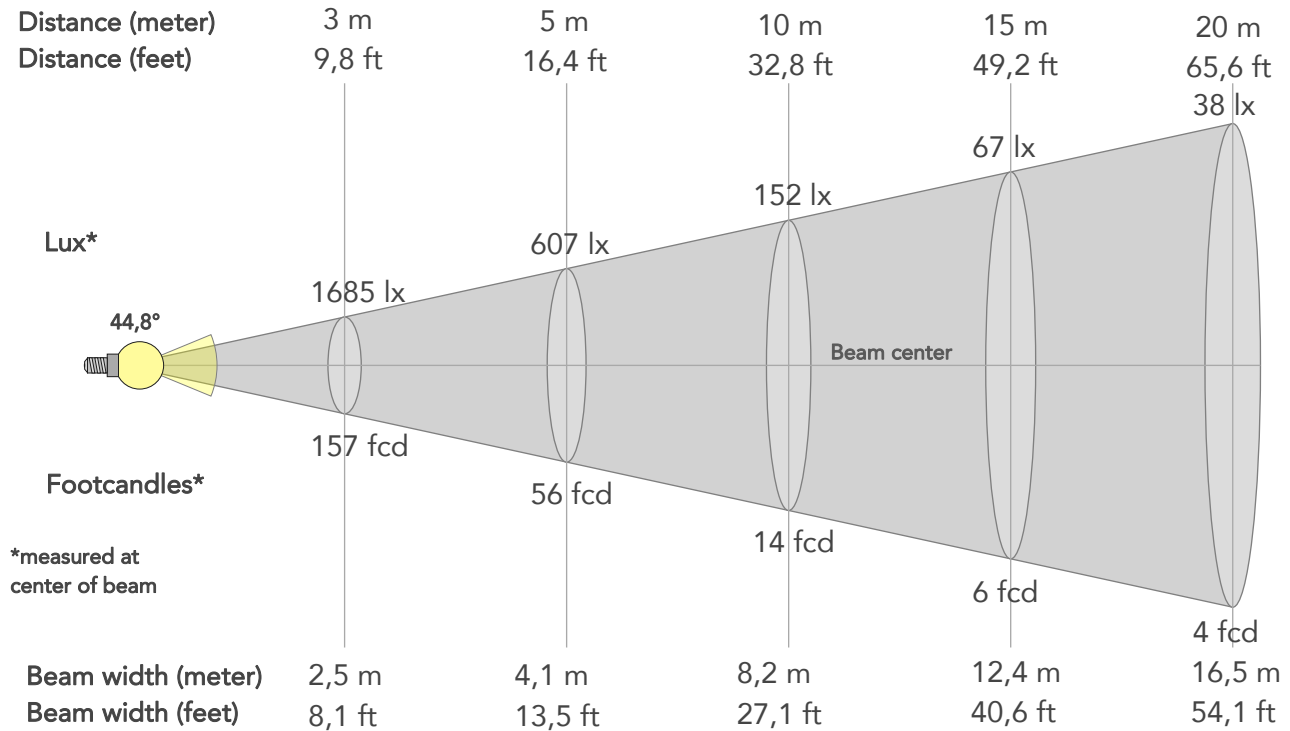
Gammut index

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



BEAM DETAILS

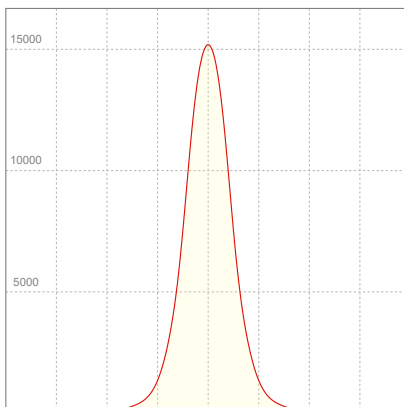
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,8°	87,1°	125,1°	94,7%	86,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	15169lx	3792lx	1685lx	948lx	607lx	270lx	152lx	67lx	38lx	24lx	17lx	9lx	6lx
Footcand.	1409fcd	352fcd	157fcd	88fcd	56fcd	25fcd	14fcd	6fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,4m	16,5m	20,6m	24,7m	33m	41,2m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,3ft	27,1ft	40,6ft	54,1ft	67,6ft	81,2ft	108,2ft	135,3ft

LINEAR DISTRIBUTION DIAGRAM

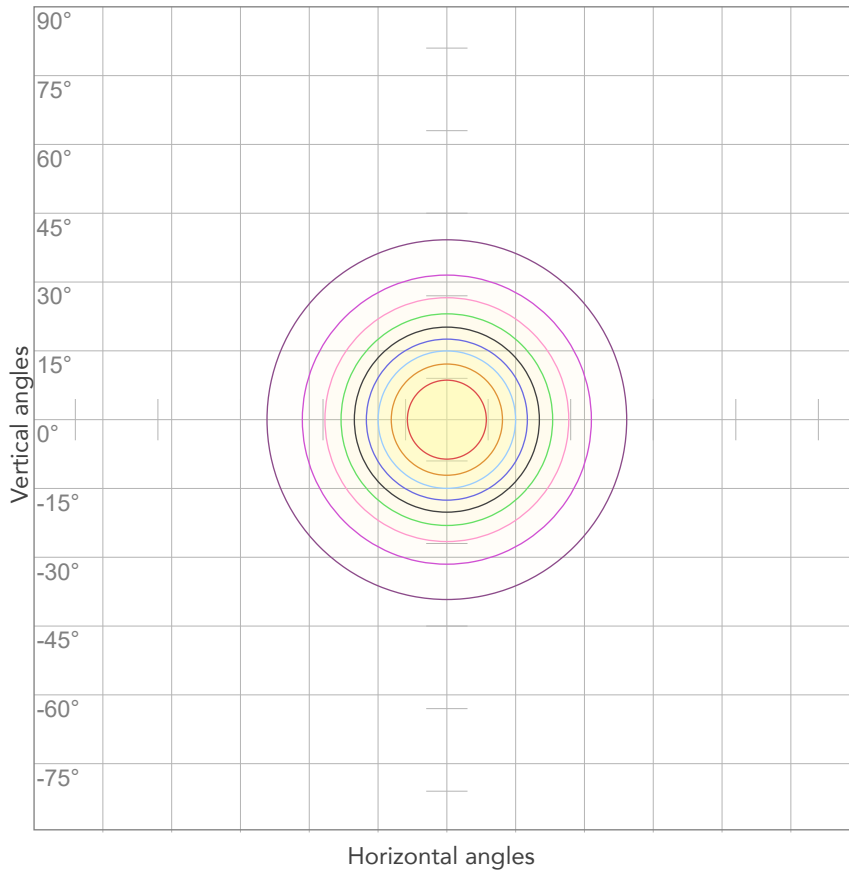


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	1,03A	221,6W	0,96	52lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



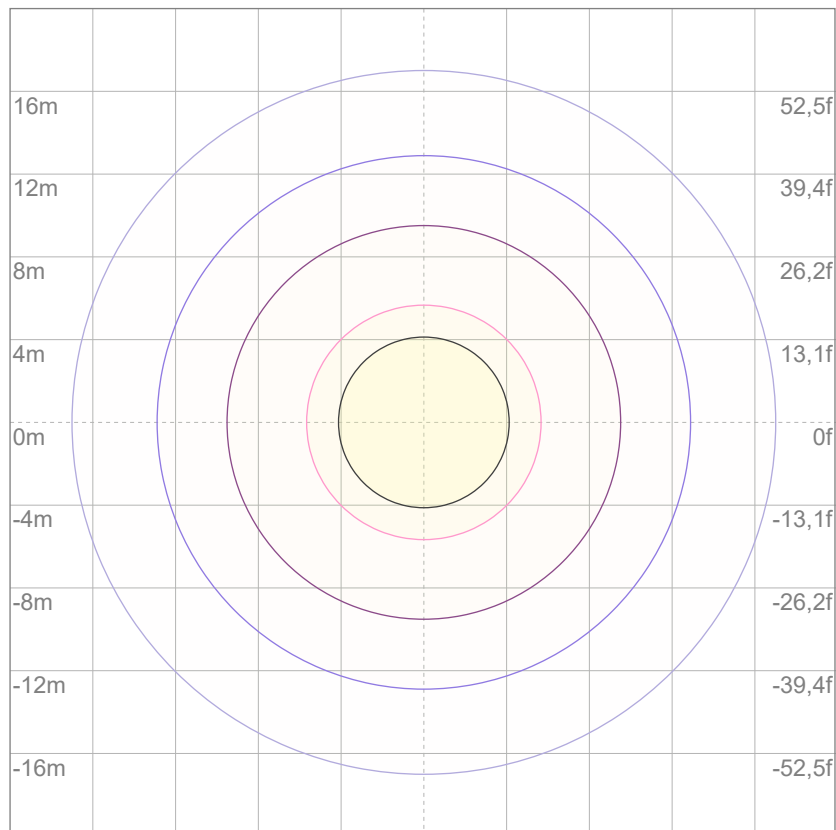
10%	1517 cd
20%	3034 cd
30%	4551 cd
40%	6068 cd
50%	7584 cd
60%	9101 cd
70%	10618 cd
80%	12135 cd

Conditions:

Number of c-planes: 2

Candela at center: 15169 cd

ISO LUX DIAGRAM



3%	4,55 lx
5%	7,58 lx
10%	15,2 lx
30%	45,5 lx
50%	75,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 152 lx

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



Total lumen output:

11586 lm

Peak candela output:

10227 cd

Light quality:

CRI: 94,1

Color temperature:

5654 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

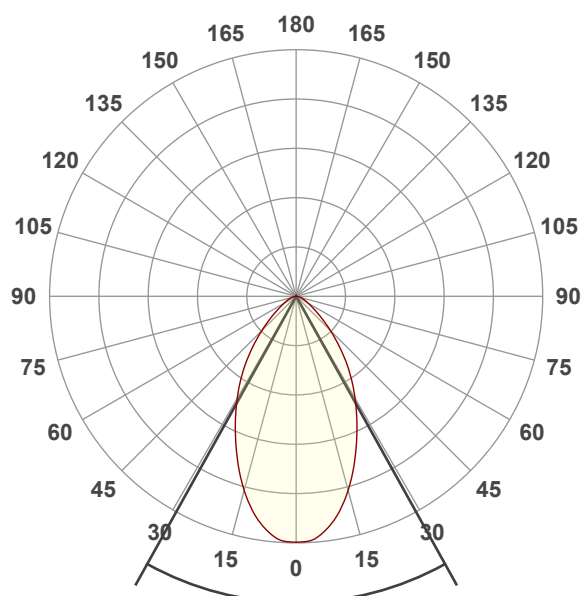
5600K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 15:54:12

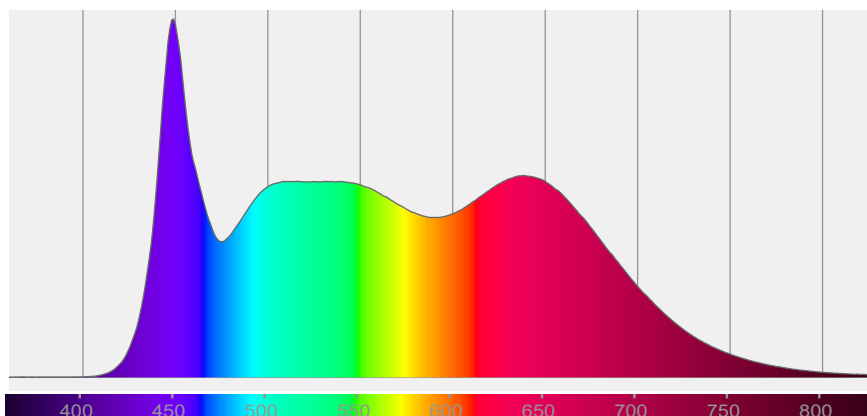


Beam angle 50%: 58,2°

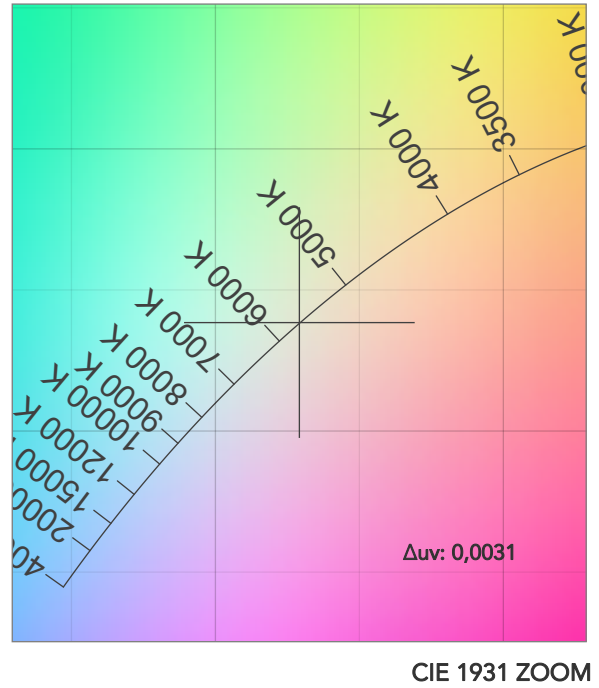
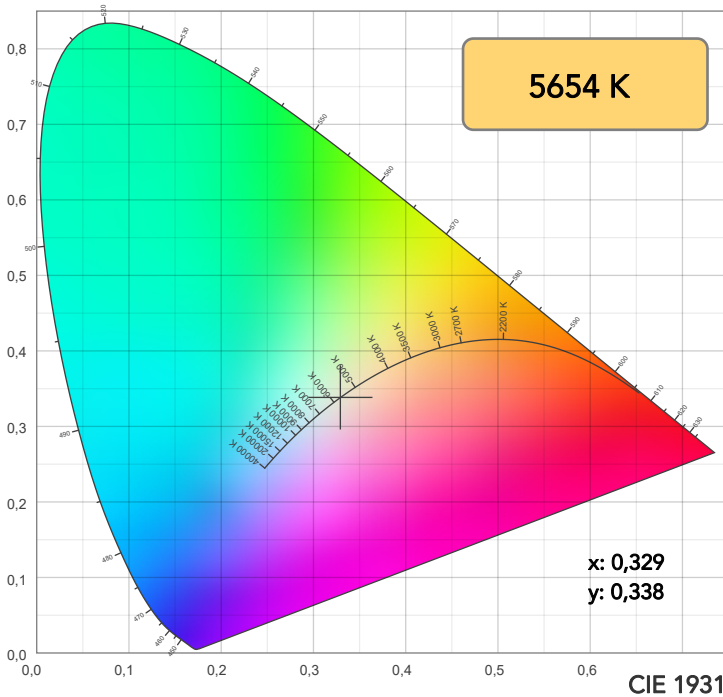
Field angle 10%: 106,6°

Cut off angle 2.5%: 143,9°

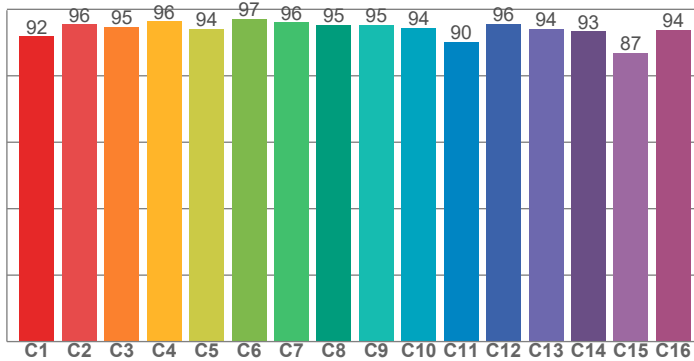
Spectra



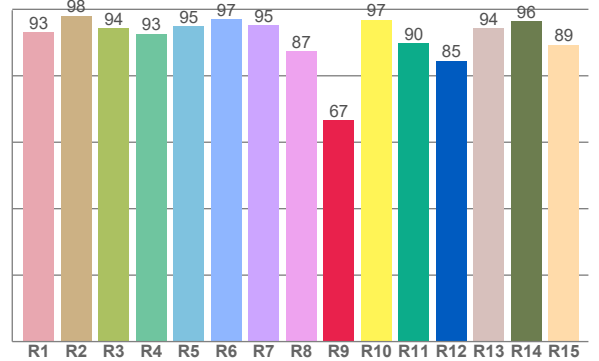
COLOR DETAILS



TM30: 94,0



CRI: 94,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,2	98,1	94,3	92,6	94,9	96,9	95,3	87,4	66,6	96,9	89,8	84,5	94,4	96,4	89,4

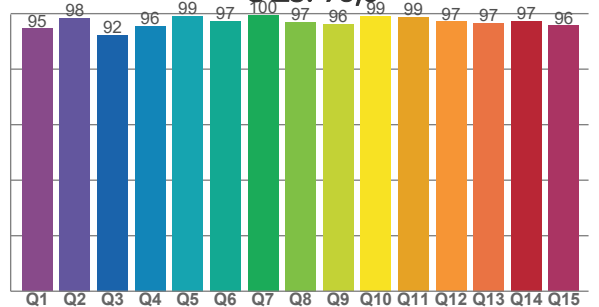
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

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
5654 K	94,1	66,6	94,0	103,7	96,5	97	0,329	0,338	0,0031

TM30 DETAILS

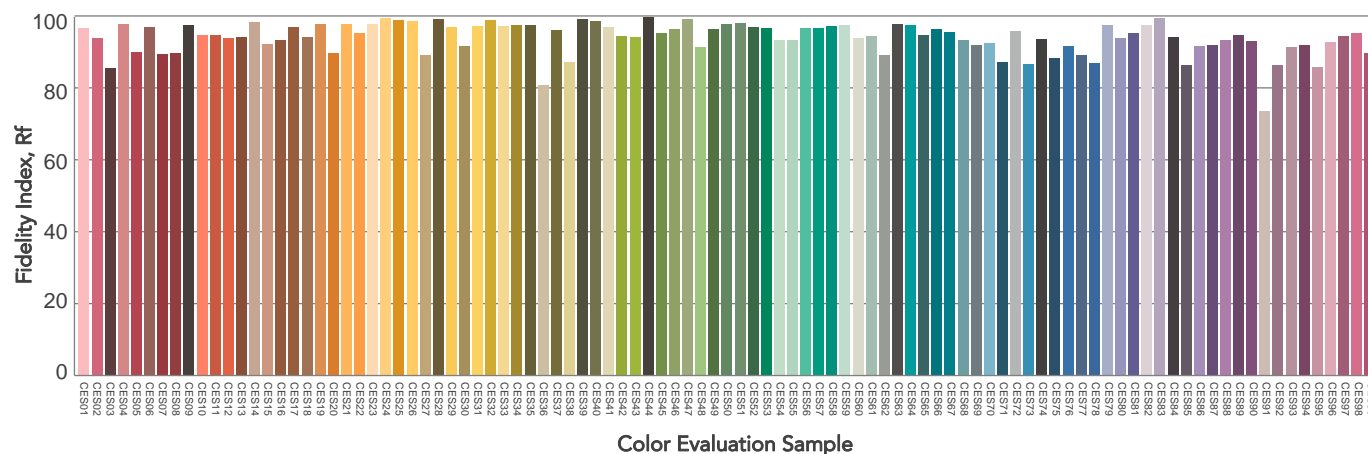
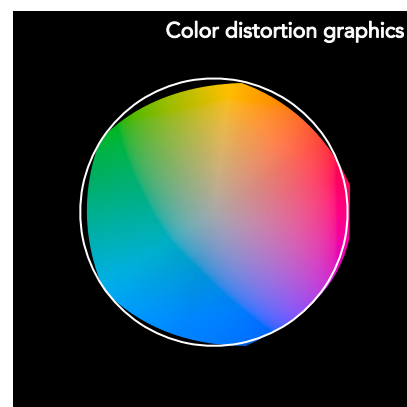
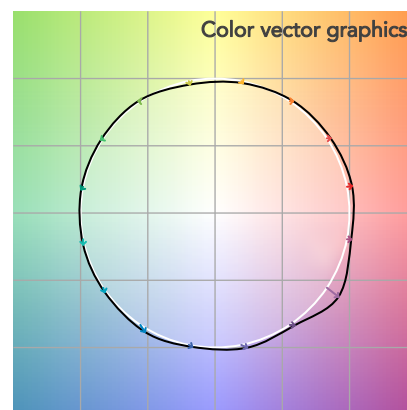
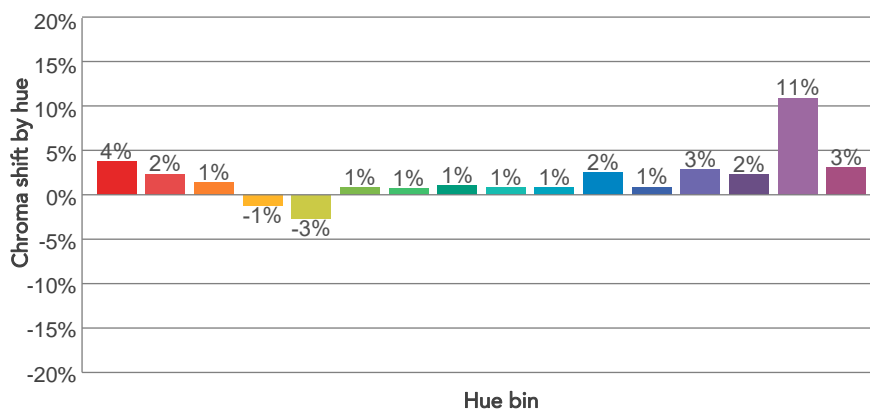
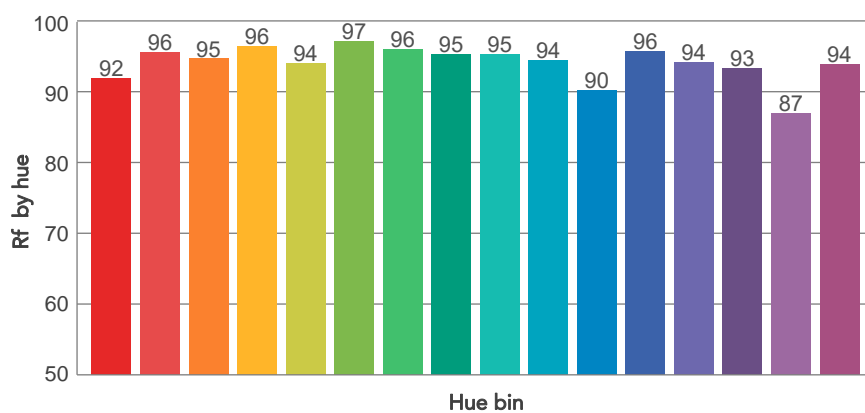
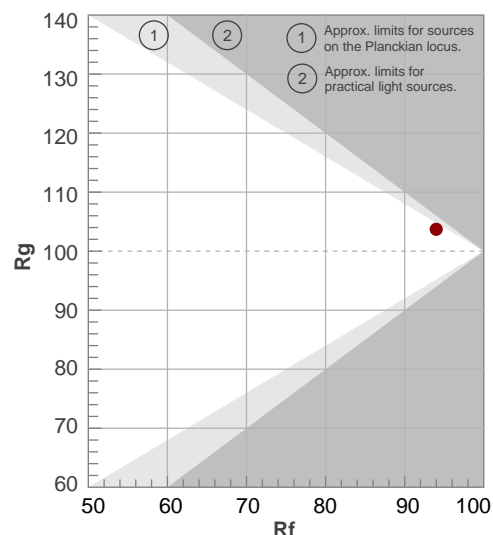
Rf 94,0

Fidelity index R_f

Rg 103,7

Gammut index

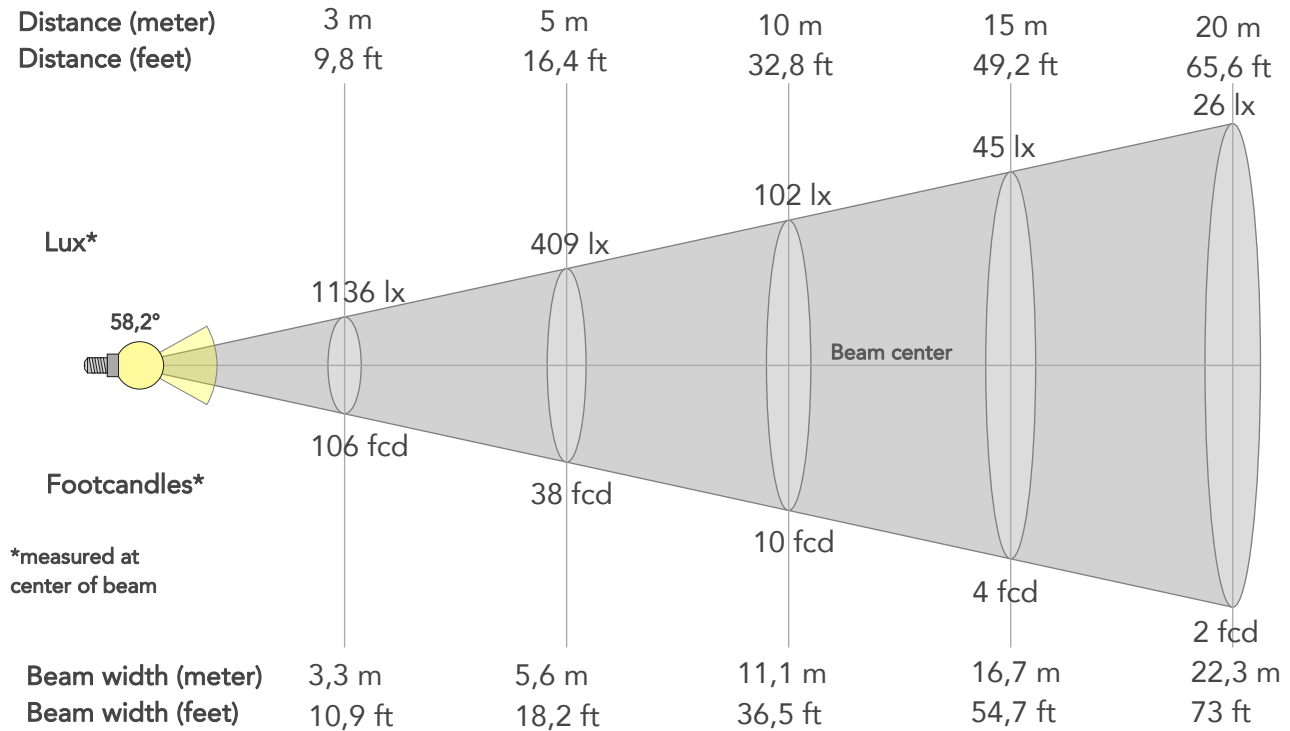
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	92	4%	0%
2	96	2%	-2%
3	95	1%	-2%
4	96	-1%	-2%
5	94	-3%	0%
6	97	1%	1%
7	96	1%	2%
8	95	1%	2%
9	95	1%	4%
10	94	1%	3%
11	90	2%	6%
12	96	1%	3%
13	94	3%	4%
14	93	2%	3%
15	87	11%	-1%
16	94	3%	0%



BEAM DETAILS



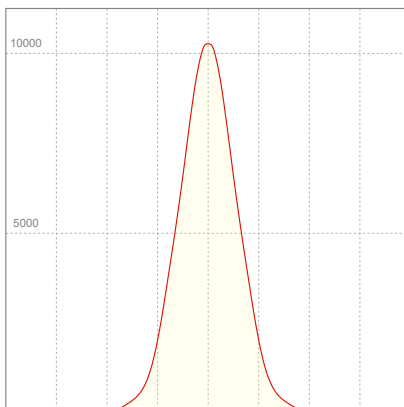
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,2°	106,6°	143,9°	93,5%	80,7%



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	10227lx	2557lx	1136lx	639lx	409lx	182lx	102lx	45lx	26lx	16lx	11lx	6lx	4lx
Footcand.	950fcd	238fcd	106fcd	59fcd	38fcd	17fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,5m	5,6m	8,3m	11,1m	16,7m	22,3m	27,8m	33,4m	44,5m	55,6m
Beam wid.	3,7ft	7,3ft	10,9ft	14,6ft	18,2ft	27,4ft	36,5ft	54,7ft	73ft	91,2ft	109,5ft	146ft	182,5ft

LINEAR DISTRIBUTION DIAGRAM

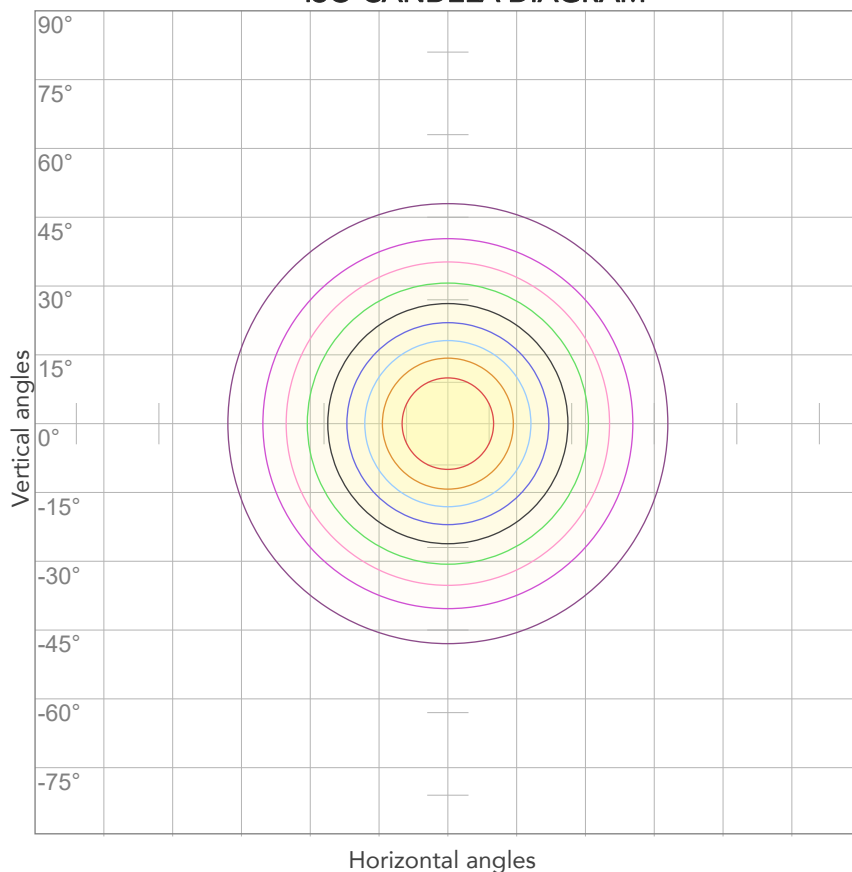


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	1,02A	221W	0,96	52lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



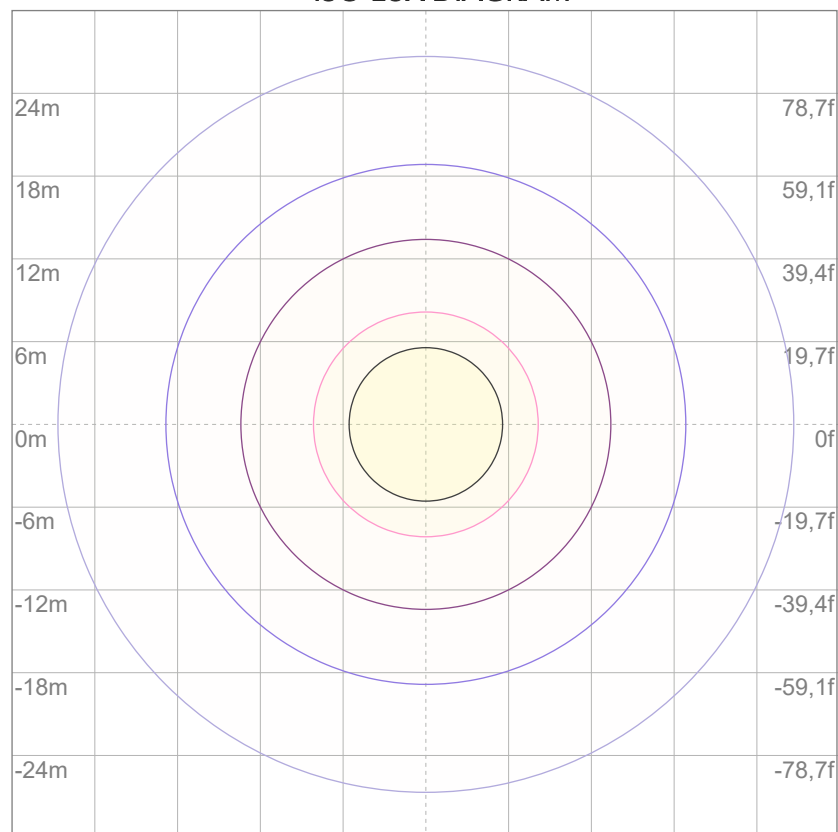
10%	1023 cd
20%	2045 cd
30%	3068 cd
40%	4091 cd
50%	5114 cd
60%	6136 cd
70%	7159 cd
80%	8182 cd

Conditions:

Number of c-planes: 2

Candela at center: 10227 cd

ISO LUX DIAGRAM



3%	3,07 lx
5%	5,11 lx
10%	10,2 lx
30%	30,7 lx
50%	51,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 102 lx

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



Total lumen output:

12915 lm

Peak candela output:

21874 cd

Light quality:

CRI: 93,8

Color temperature:

5538 K

PRODUCT NAME:

ARCSPOTXLW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

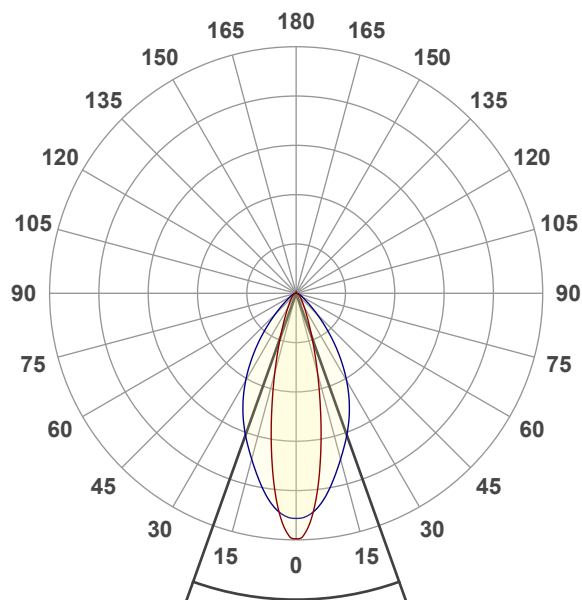
5600K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 17:40:50

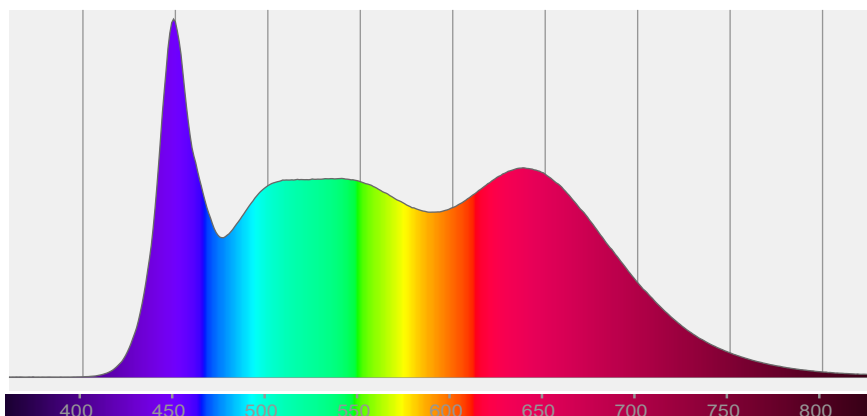


Beam angle 50%: 39,3°

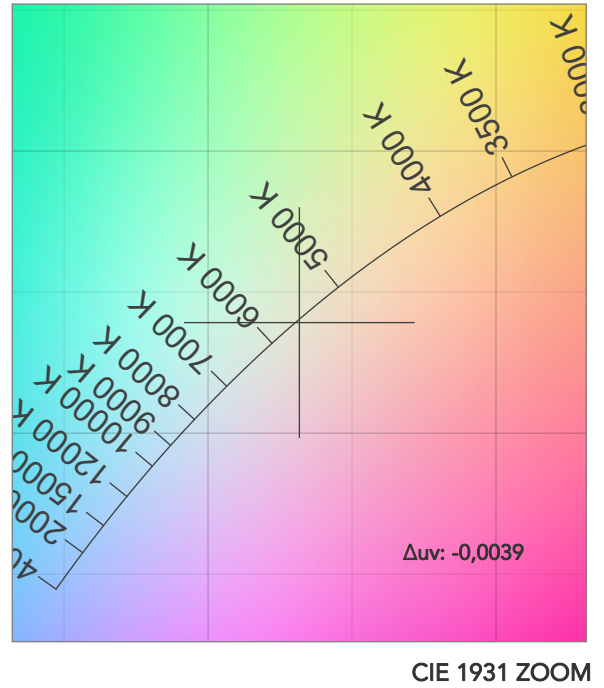
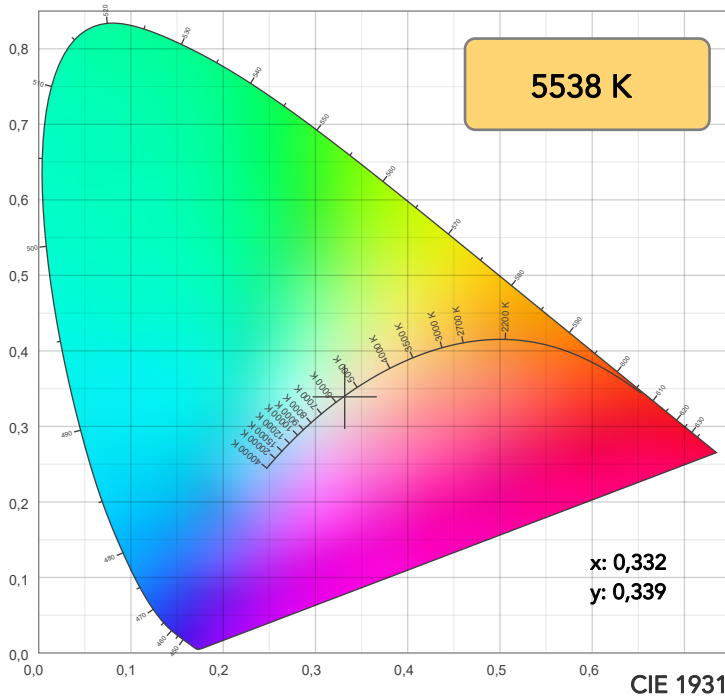
Field angle 10%: 73,1°

Cut off angle 2.5%: 108,7°

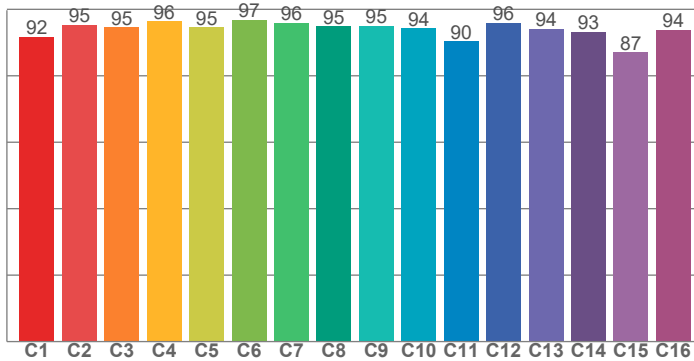
Spectra



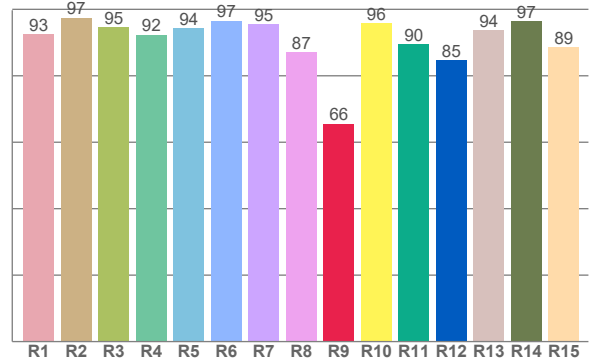
COLOR DETAILS



TM30: 93,9



CRI: 93,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92,5	97,5	94,6	92,4	94,3	96,5	95,5	87,1	65,5	95,8	89,5	84,8	93,7	96,5	88,6

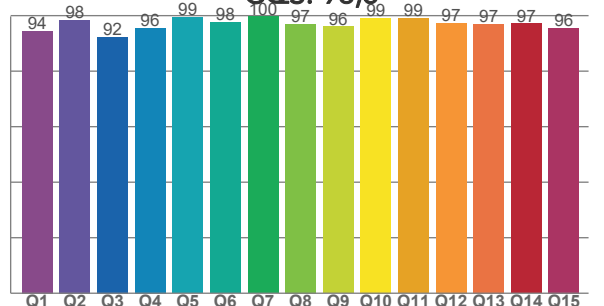
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

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
5538 K	93,8	65,5	93,9	103,8	96,5	97	0,332	0,339	-0,0039

TM30 DETAILS

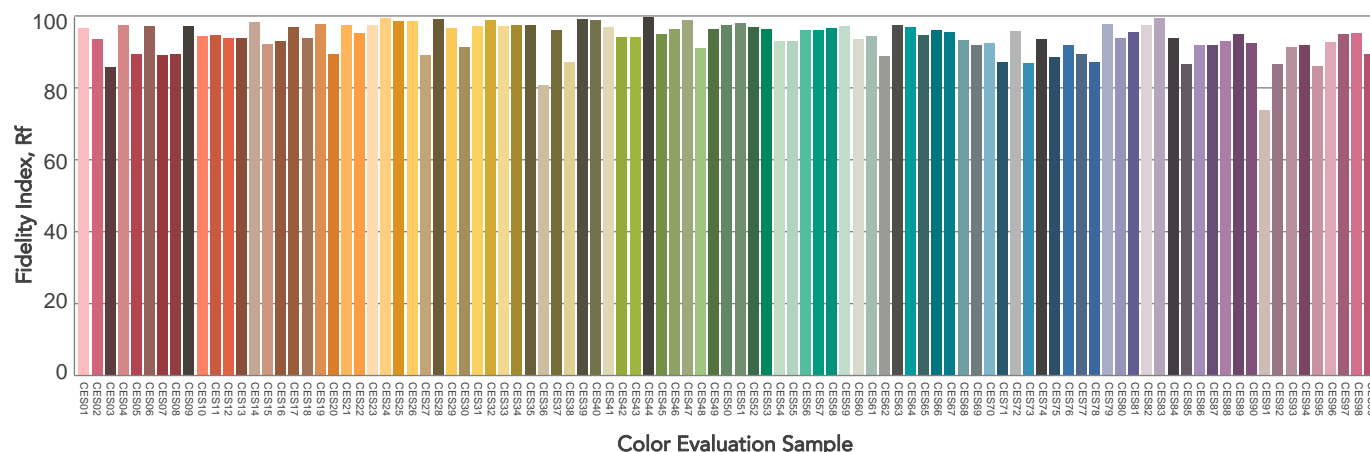
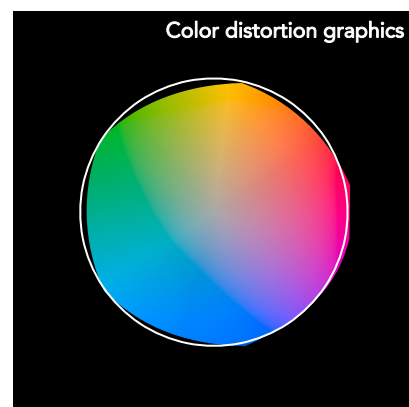
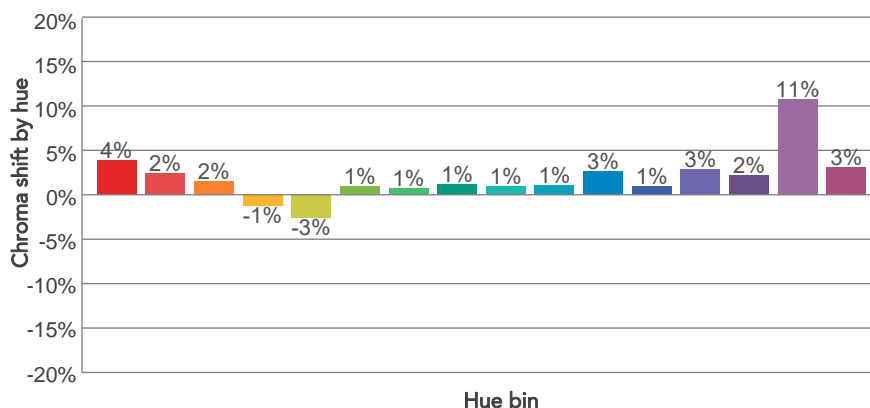
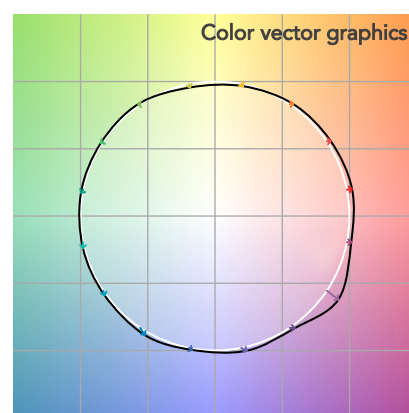
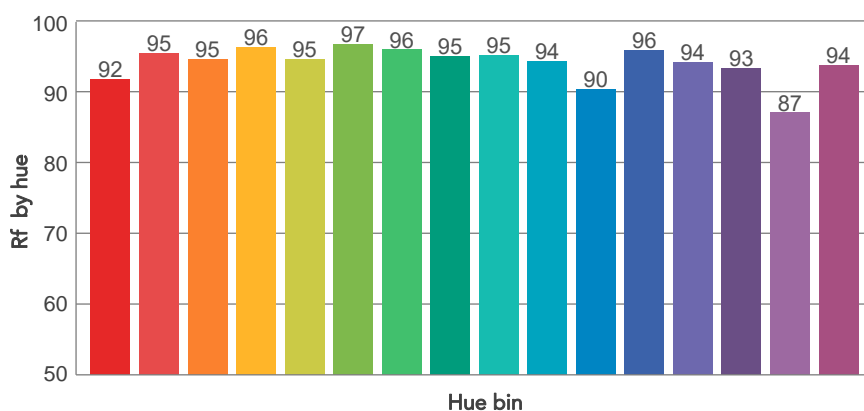
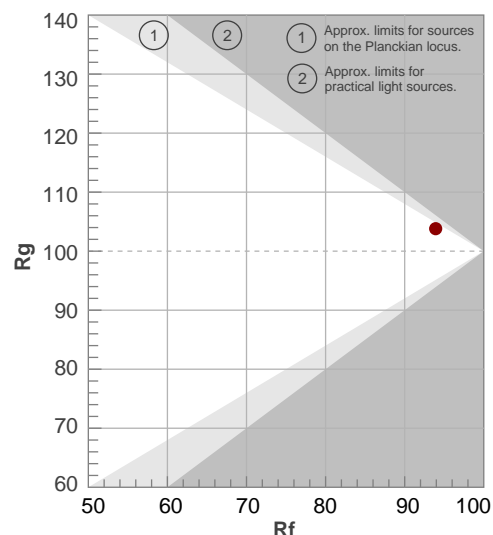
Rf 93,9

Fidelity index Rf

Rg 103,8

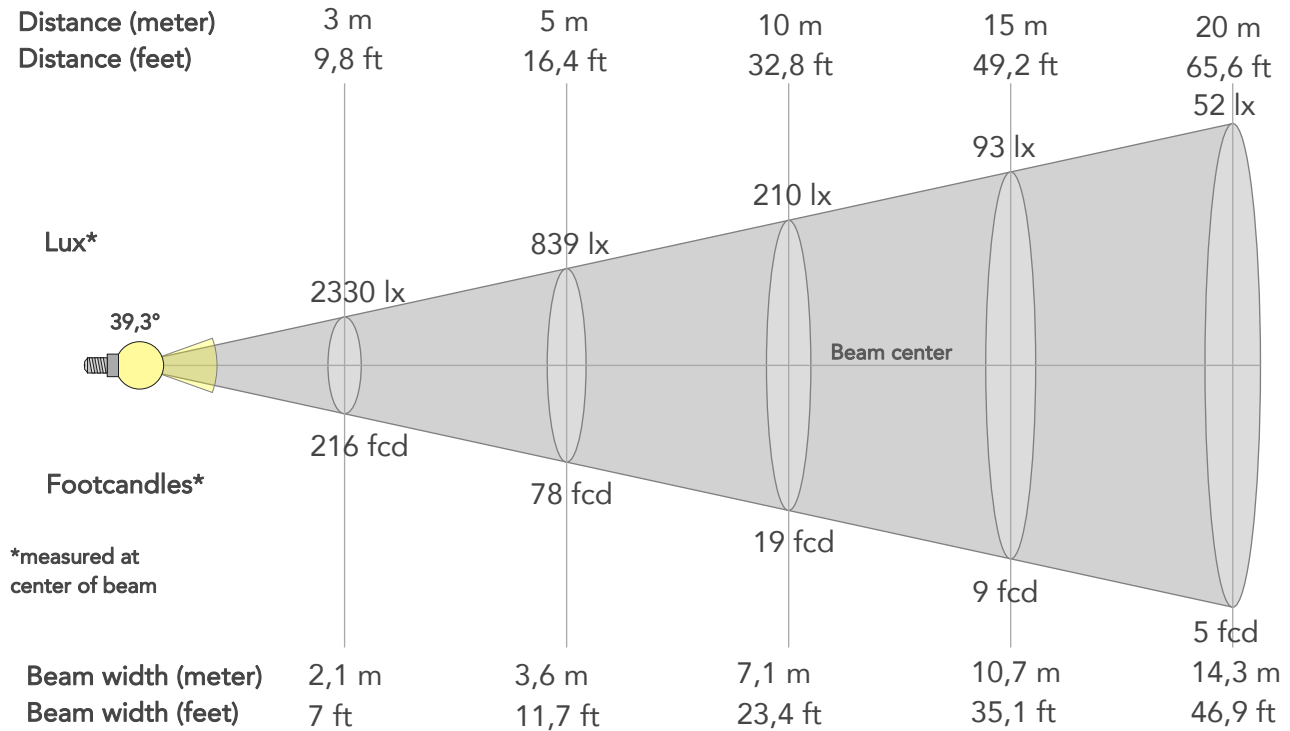
Gammut index

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



BEAM DETAILS

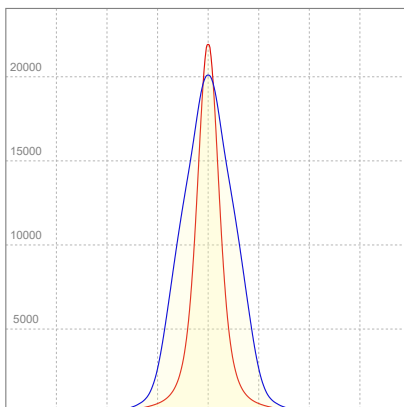
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,3°	73,1°	108,7°	94,9%	86,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	20972lx	5243lx	2330lx	1311lx	839lx	373lx	210lx	93lx	52lx	34lx	23lx	13lx	8lx
Footcand.	1948fcd	487fcd	216fcd	122fcd	78fcd	35fcd	19fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,7m	1,4m	2,1m	2,9m	3,6m	5,4m	7,1m	10,7m	14,3m	17,9m	21,4m	28,6m	35,7m
Beam wid.	2,4ft	4,7ft	7ft	9,4ft	11,7ft	17,6ft	23,4ft	35,1ft	46,9ft	58,6ft	70,3ft	93,7ft	117,1ft

LINEAR DISTRIBUTION DIAGRAM

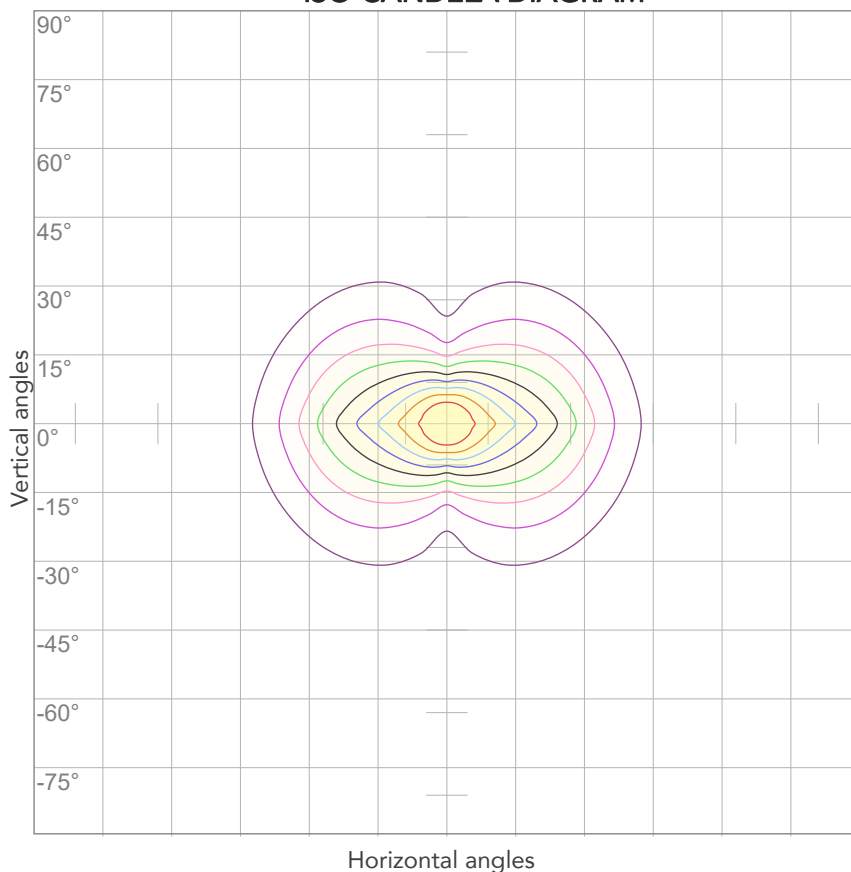


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
223V	1,02A	219,5W	0,96	59lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



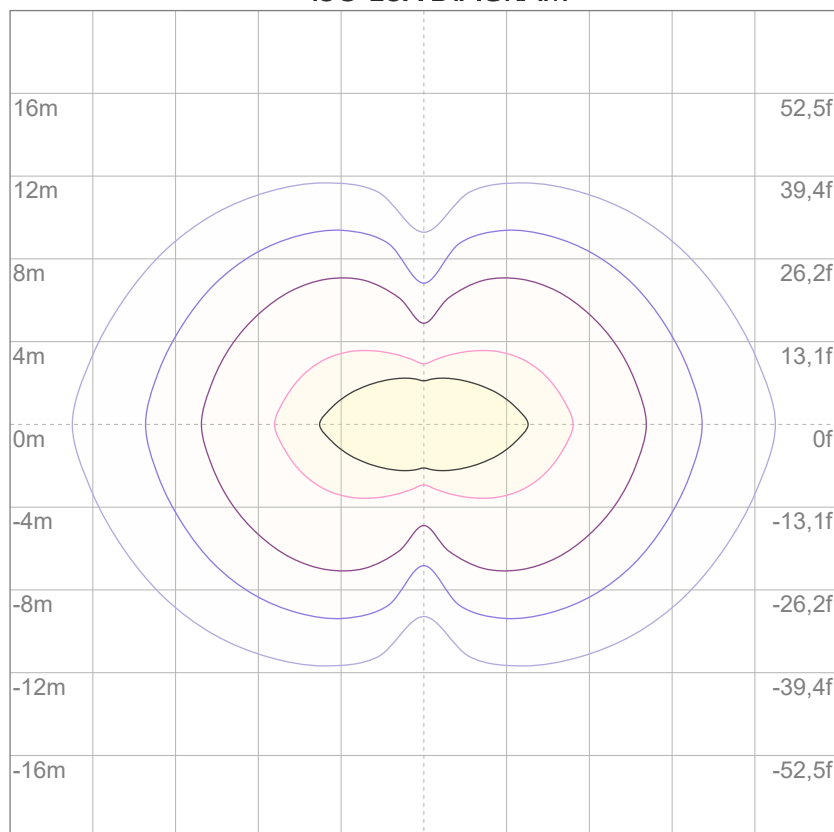
10%	2097 cd
20%	4194 cd
30%	6292 cd
40%	8389 cd
50%	10486 cd
60%	12583 cd
70%	14681 cd
80%	16778 cd

Conditions:

Number of c-planes: 4

Candela at center: 20972 cd

ISO LUX DIAGRAM



3%	6,29 lx
5%	10,5 lx
10%	21,0 lx
30%	62,9 lx
50%	105 lx

Conditions:

Number of c-planes: 4

Lux at center: 210 lx

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



Total lumen output:

13059 lm

Peak candela output:

18222 cd

Light quality:

CRI: 93,7

Color temperature:

5621 K

PRODUCT NAME:

ARCSPOTXLW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

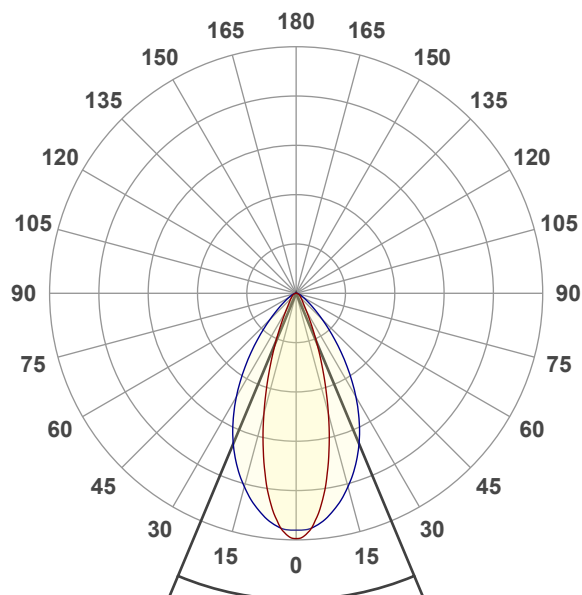
5600K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 17:50:31

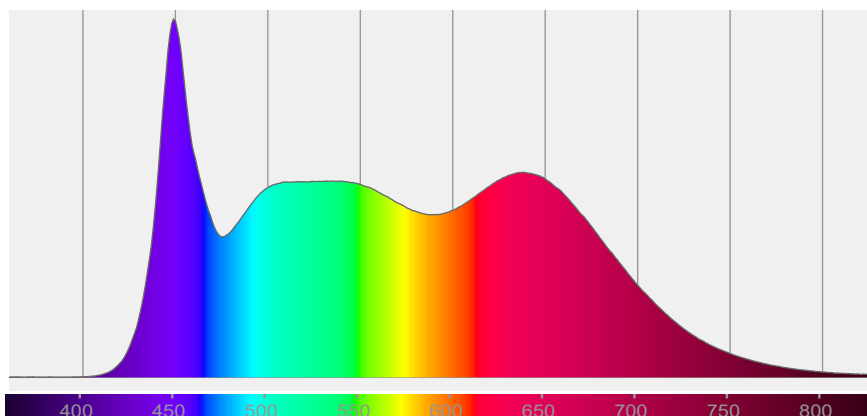


Beam angle 50%: 45,4°

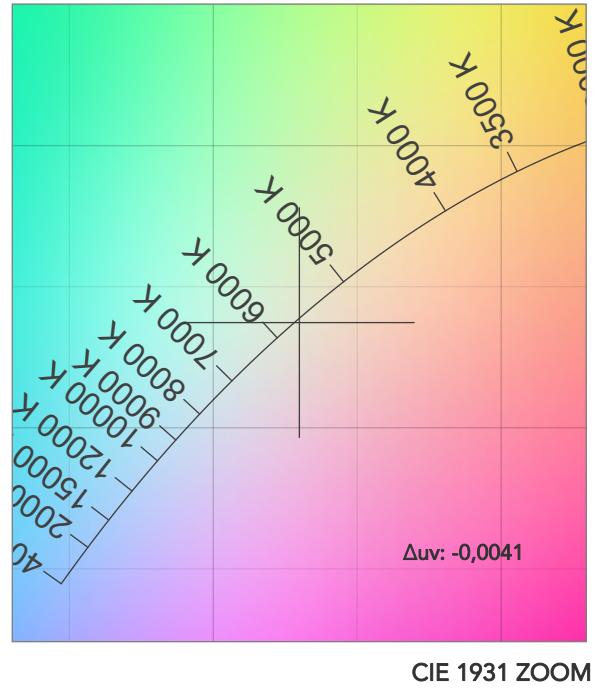
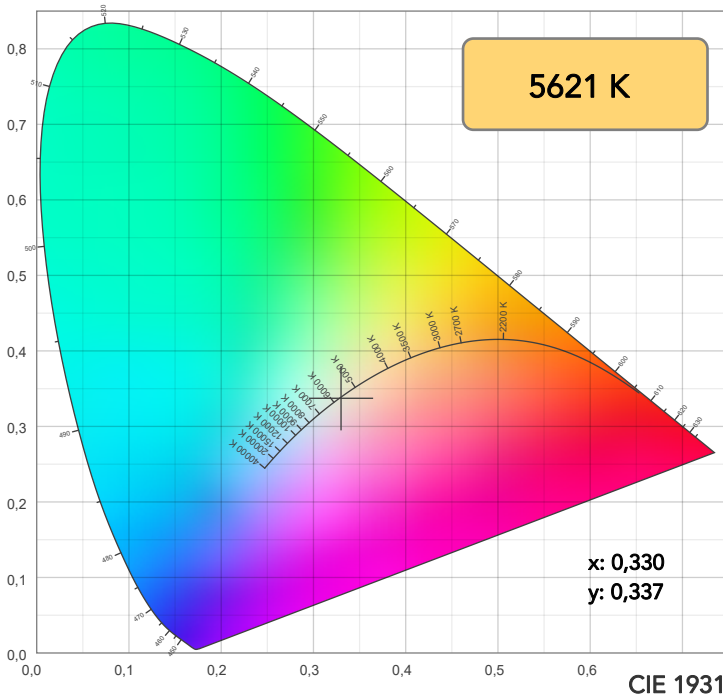
Field angle 10%: 78°

Cut off angle 2.5%: 113,6°

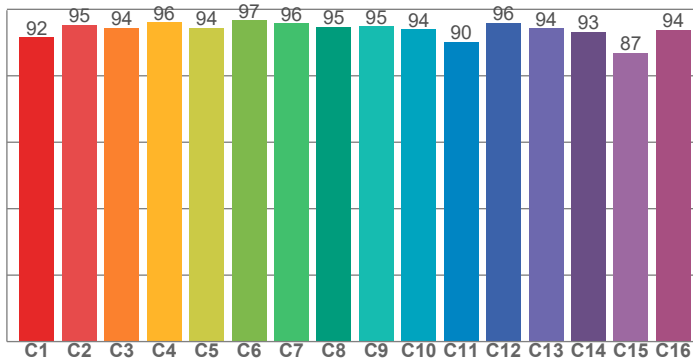
Spectra



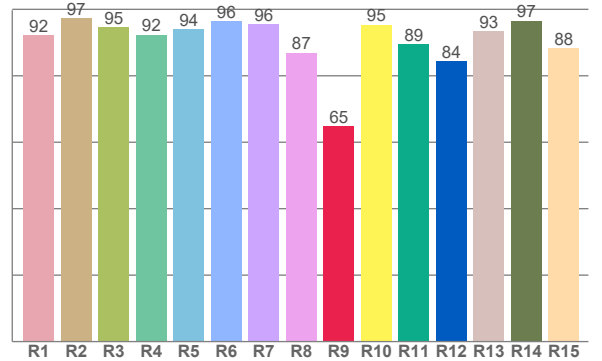
COLOR DETAILS



TM30: 93,8



CRI: 93,7 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92,3	97,3	94,7	92,4	94,1	96,4	95,5	86,9	64,9	95,4	89,5	84,4	93,4	96,5	88,3

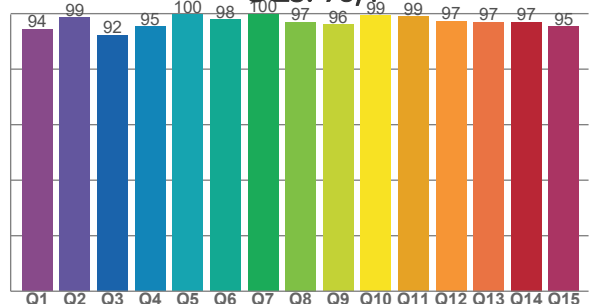
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 96,4



COLOR PARAMETERS

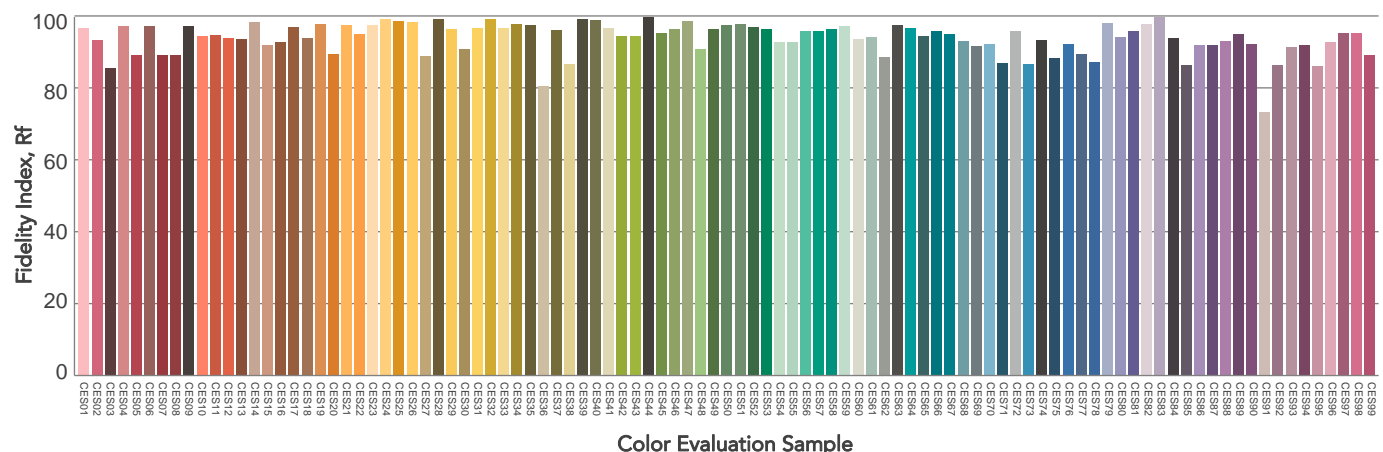
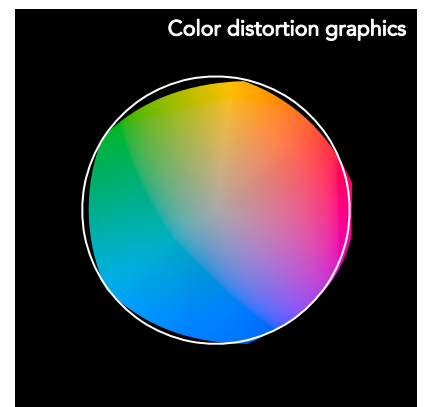
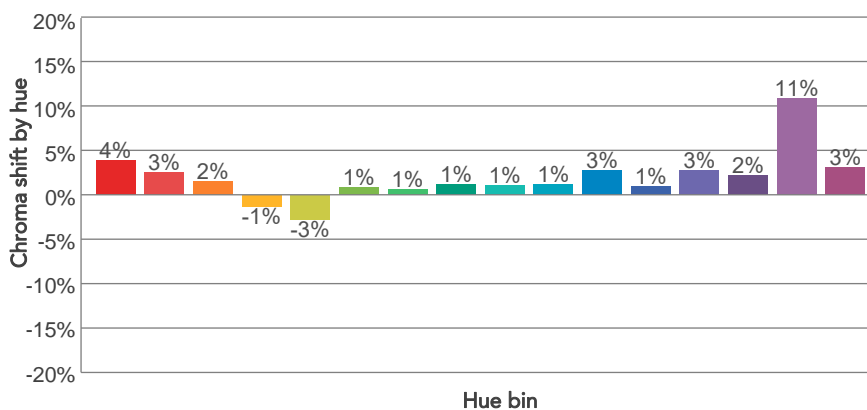
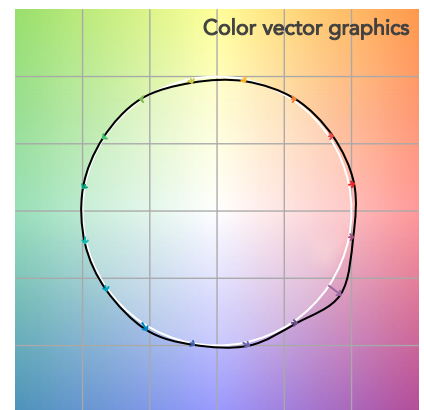
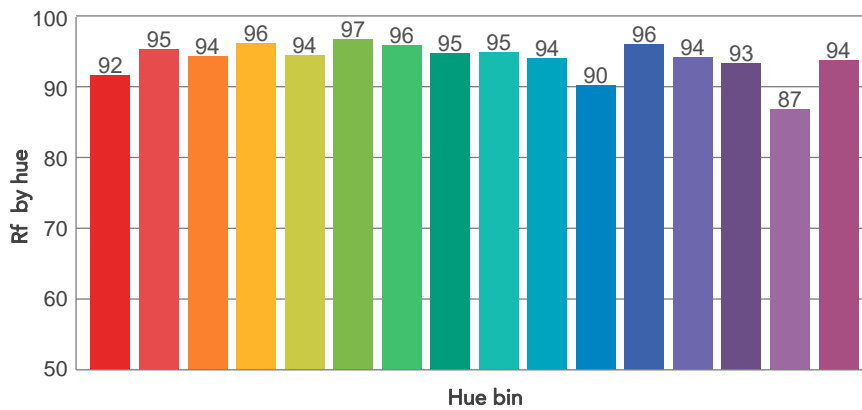
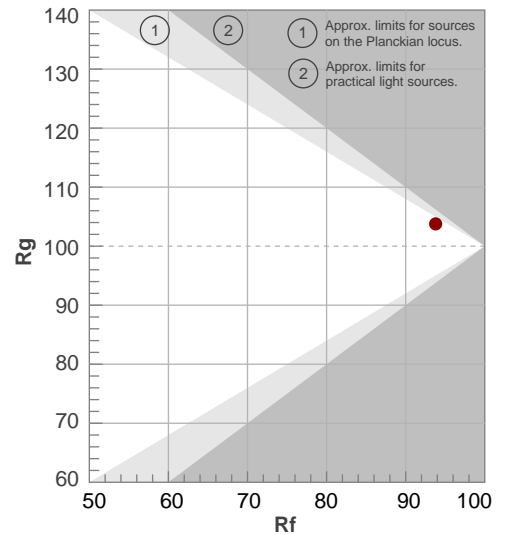
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5621 K	93,7	64,9	93,8	103,8	96,4	97	0,330	0,337	-0,0041

TM30 DETAILS

Rf 93,8
Fidelity index Rf

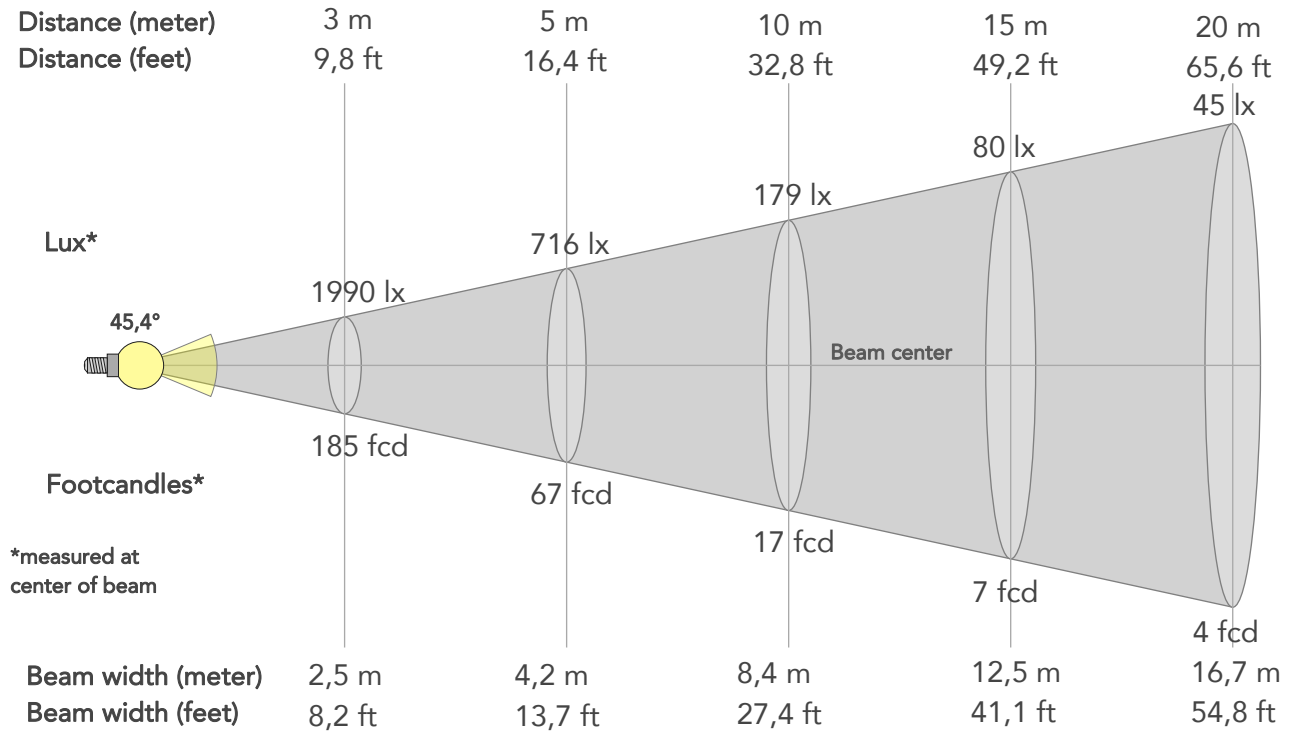
Rg 103,8
Gammut index

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



BEAM DETAILS

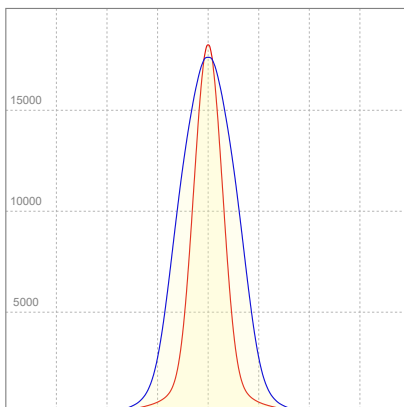
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,4°	78°	113,6°	95,1%	86,2%



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	17909lx	4477lx	1990lx	1119lx	716lx	318lx	179lx	80lx	45lx	29lx	20lx	11lx	7lx
Footcand.	1664fcd	416fcd	185fcd	104fcd	67fcd	30fcd	17fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,2m	6,3m	8,4m	12,5m	16,7m	20,9m	25,1m	33,4m	41,8m
Beam wid.	2,8ft	5,5ft	8,2ft	11ft	13,7ft	20,6ft	27,4ft	41,1ft	54,8ft	68,6ft	82,3ft	109,7ft	137,1ft

LINEAR DISTRIBUTION DIAGRAM

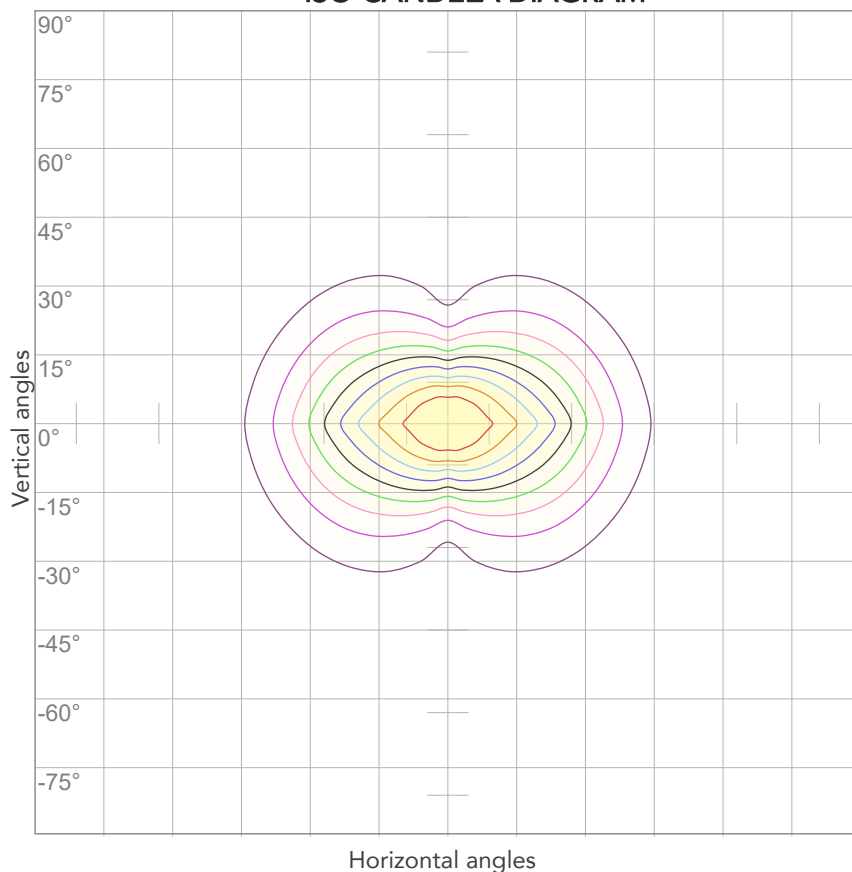


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	1,02A	218,8W	0,96	60lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



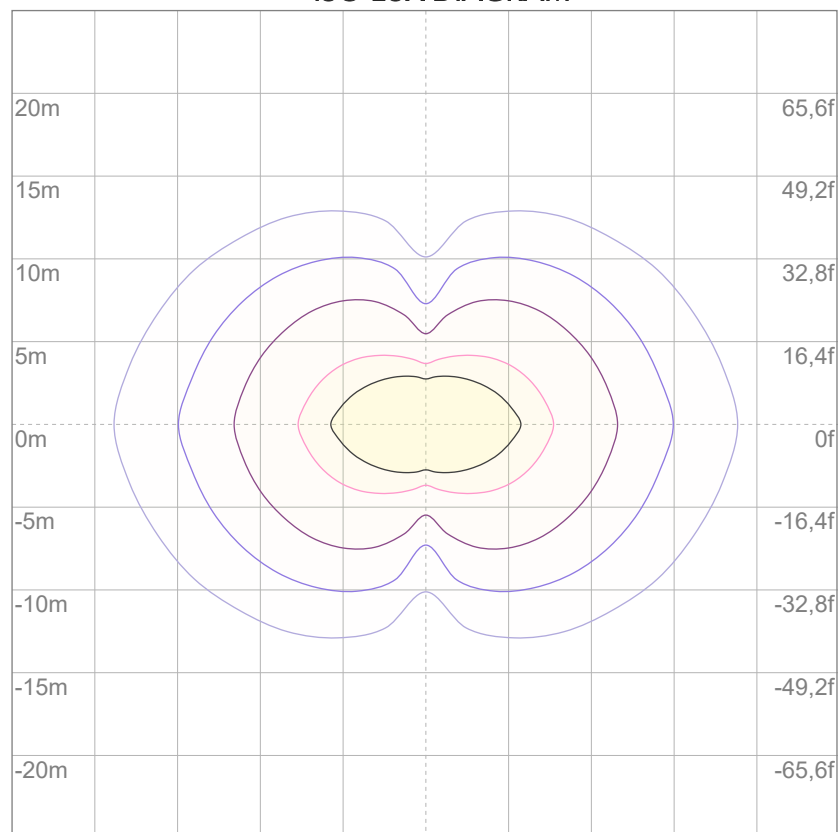
10%	1791 cd
20%	3582 cd
30%	5373 cd
40%	7164 cd
50%	8954 cd
60%	10745 cd
70%	12536 cd
80%	14327 cd

Conditions:

Number of c-planes: 4

Candela at center: 17909 cd

ISO LUX DIAGRAM



3%	5,37 lx
5%	8,95 lx
10%	17,9 lx
30%	53,7 lx
50%	89,5 lx

Conditions:

Number of c-planes: 4

Lux at center: 179 lx

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



Total lumen output:

14992 lm

Peak candela output:

284800 cd

Light quality:

CRI: 96,5

Color temperature:

6559 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

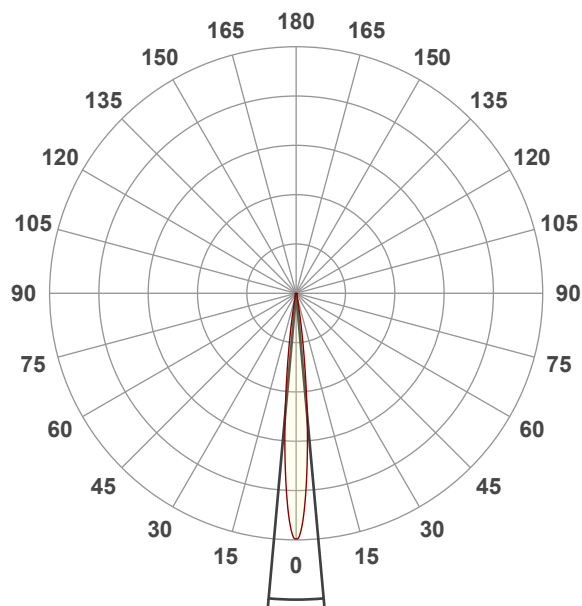
6500K

Operator:

Salvatore Giglio

Date and time:

23/04/2024 13:26:25

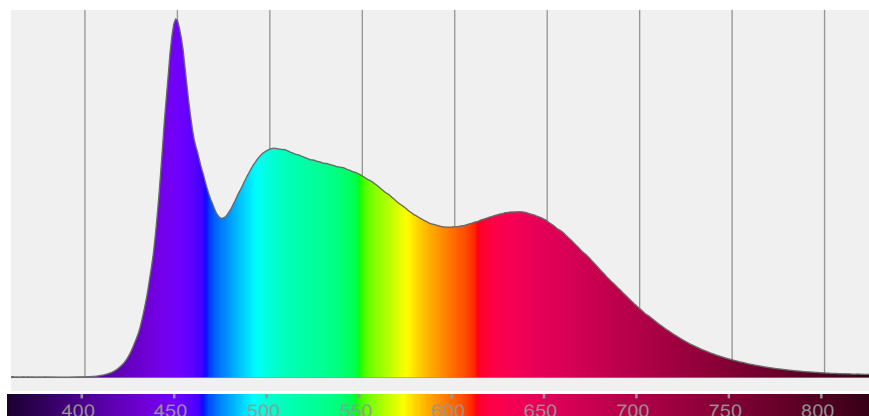


Beam angle 50%: 10,3°

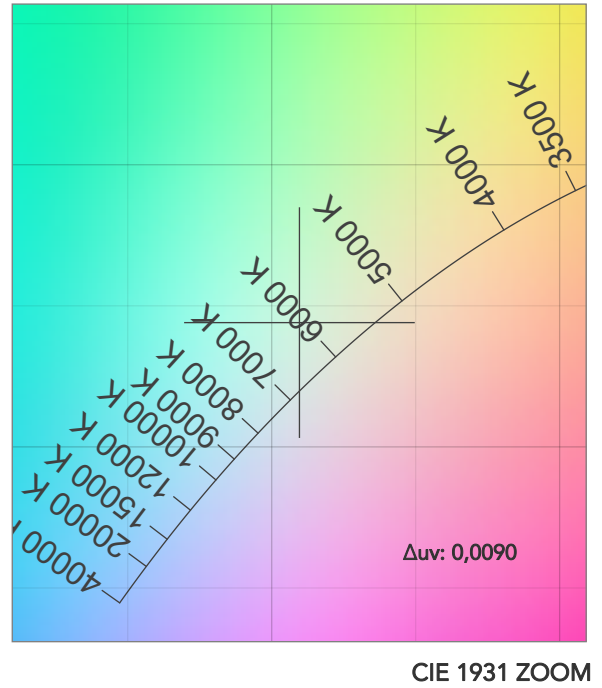
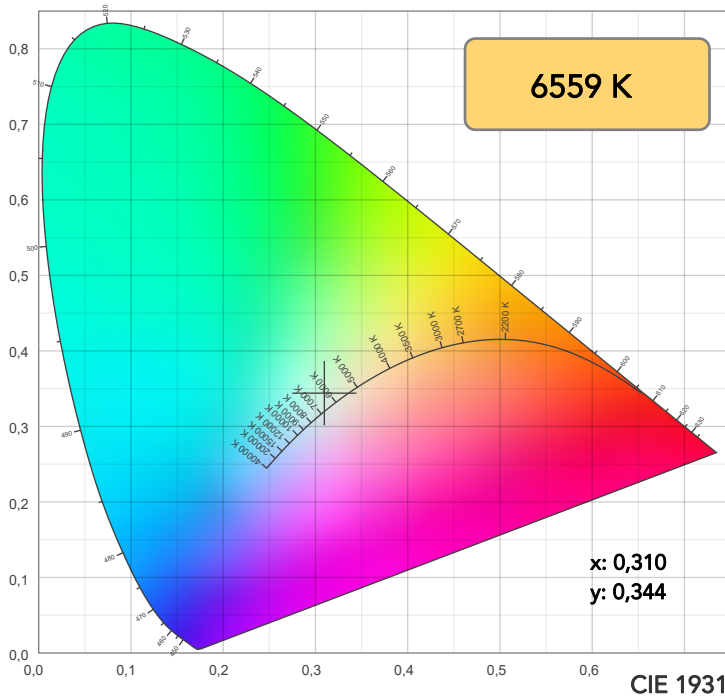
Field angle 10%: 18,8°

Cut off angle 2.5%: 25,8°

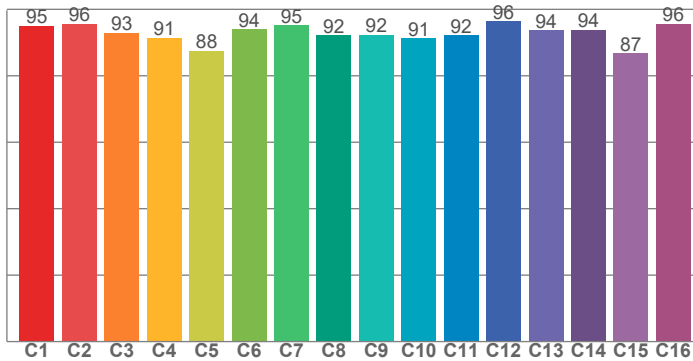
Spectra



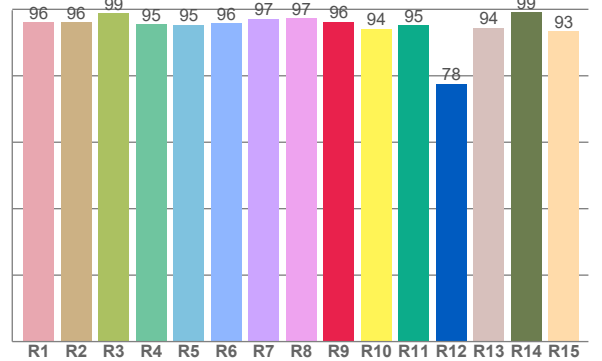
COLOR DETAILS



TM30: 92,5



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
96,0	96,2	98,9	95,4	95,3	95,8	97,1	97,4	96,3	94,2	95,1	77,6	94,5	99,1	93,4

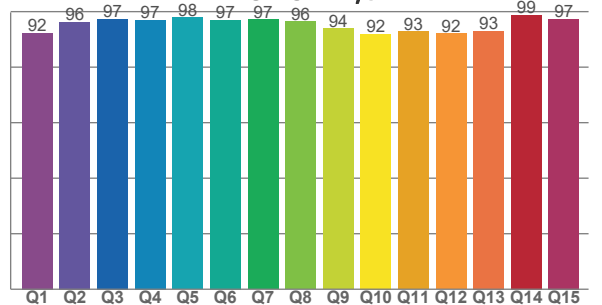
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,3	96,2	97,4	96,9	97,8	97,0	97,1	96,5	93,9	91,9	92,8	92,1	93,0	98,8	97,4

CQS: 94,8



COLOR PARAMETERS

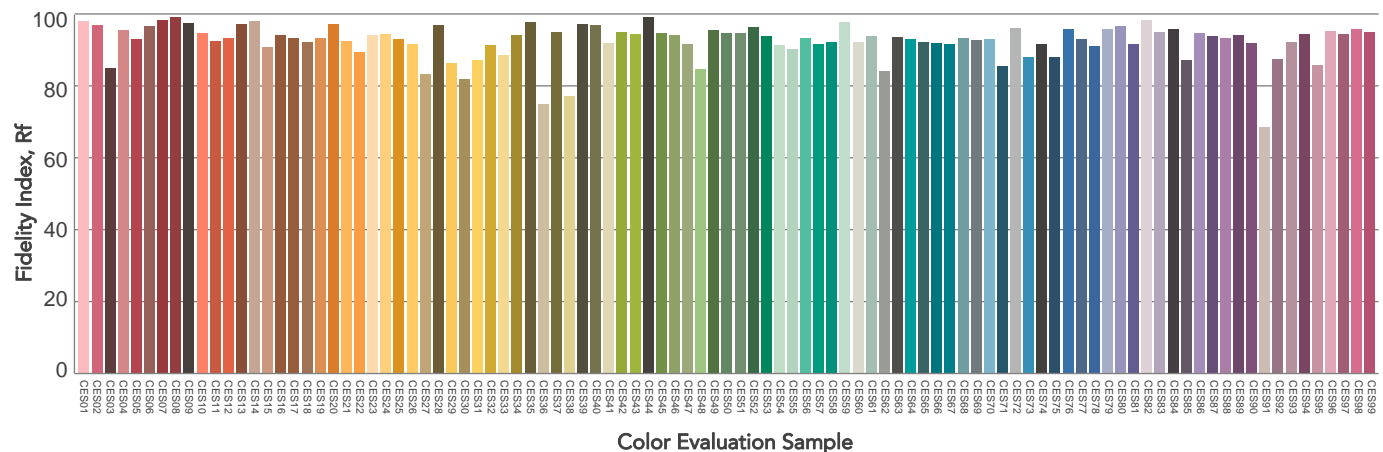
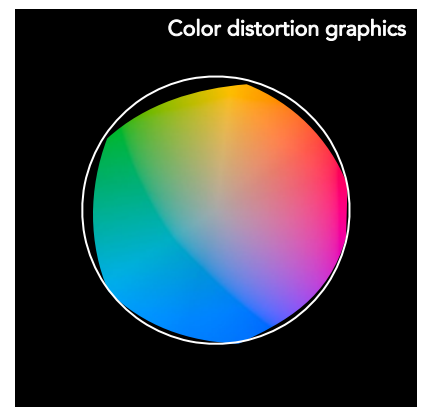
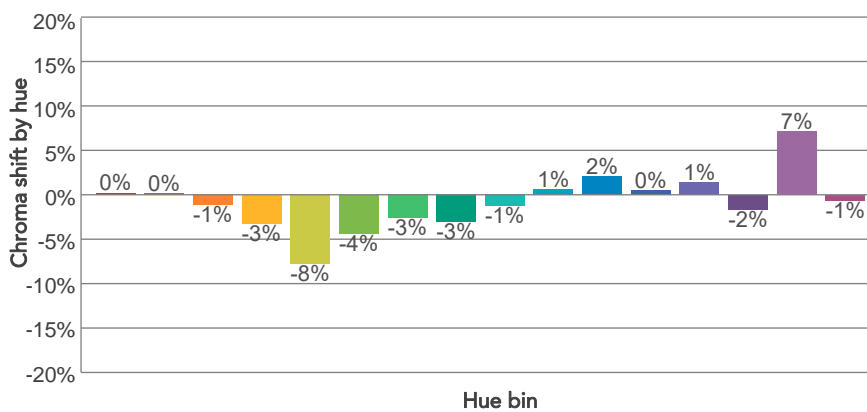
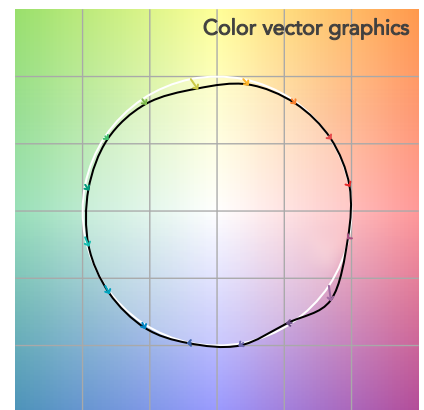
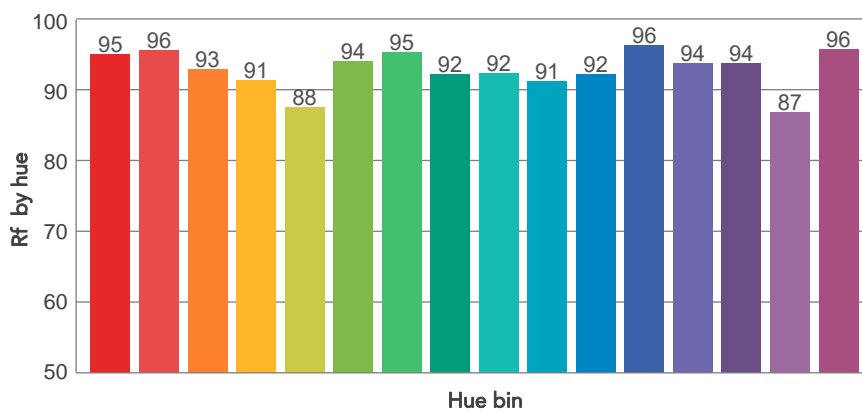
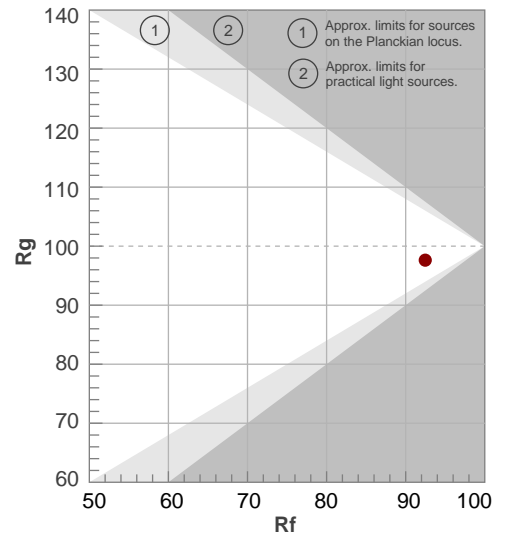
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6559 K	96,5	96,3	92,5	97,6	94,8	98	0,310	0,344	0,0090

TM30 DETAILS

Rf 92,5
Fidelity index Rf

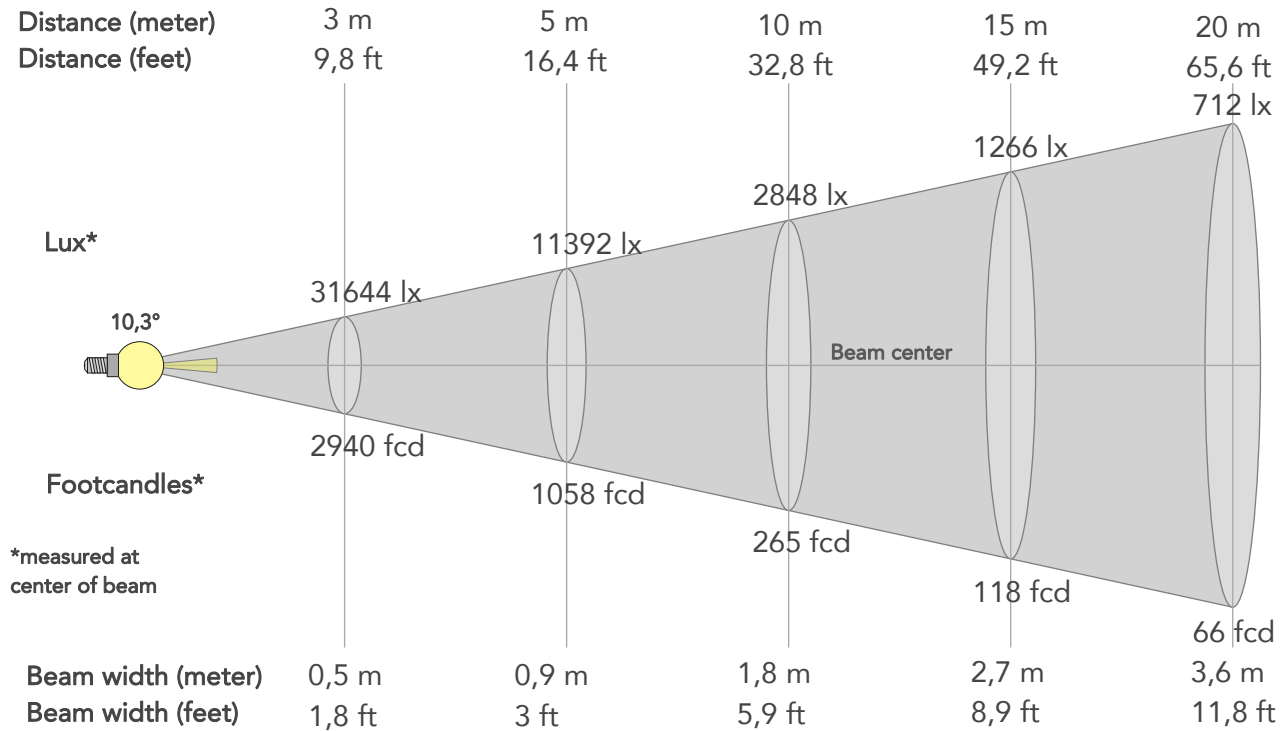
Rg 97,6
Gammut index

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



BEAM DETAILS

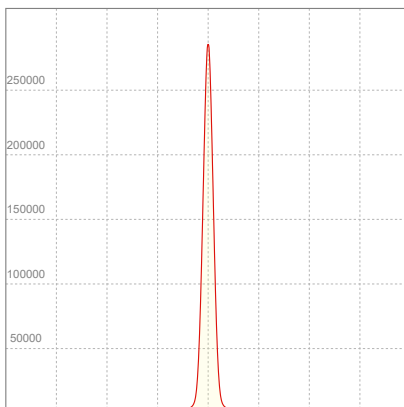
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,3°	18,8°	25,8°	92,5%	88,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	284800lx	71200lx	31644lx	17800lx	11392lx	5063lx	2848lx	1266lx	712lx	456lx	316lx	178lx	114lx
Footcand.	26459fcd	6615fcd	2940fcd	1654fcd	1058fcd	470fcd	265fcd	118fcd	66fcd	42fcd	29fcd	17fcd	11fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,4m	1,8m	2,7m	3,6m	4,5m	5,4m	7,2m	9m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,4ft	5,9ft	8,9ft	11,8ft	14,8ft	17,7ft	23,7ft	29,6ft

LINEAR DISTRIBUTION DIAGRAM

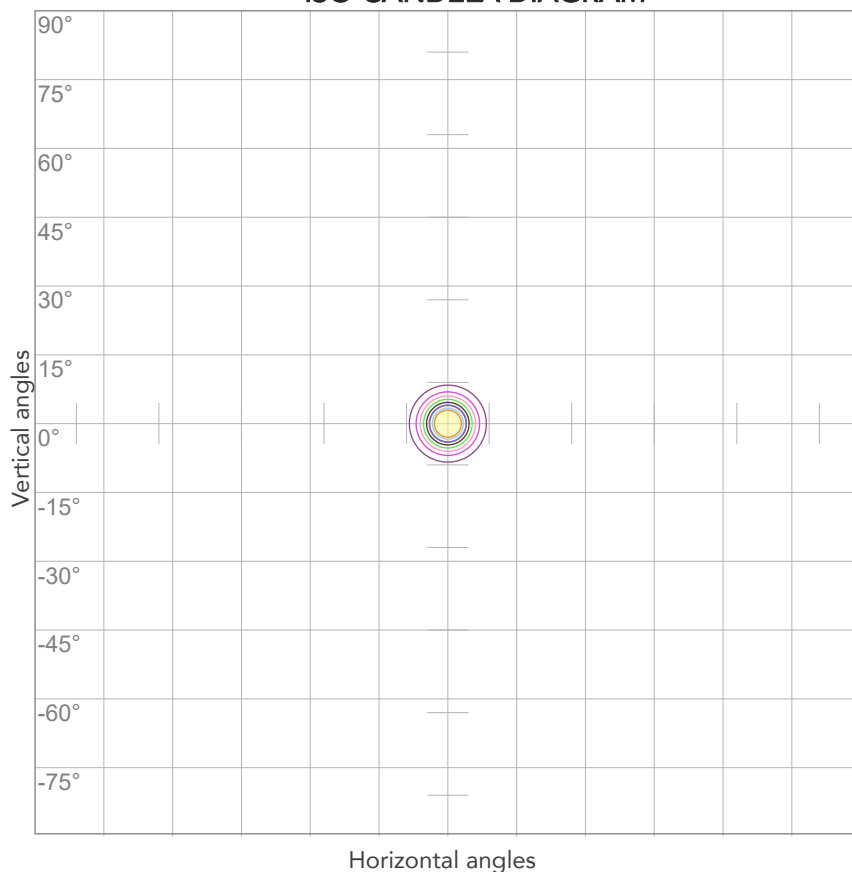


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	1,00A	215,4W	0,95	70lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



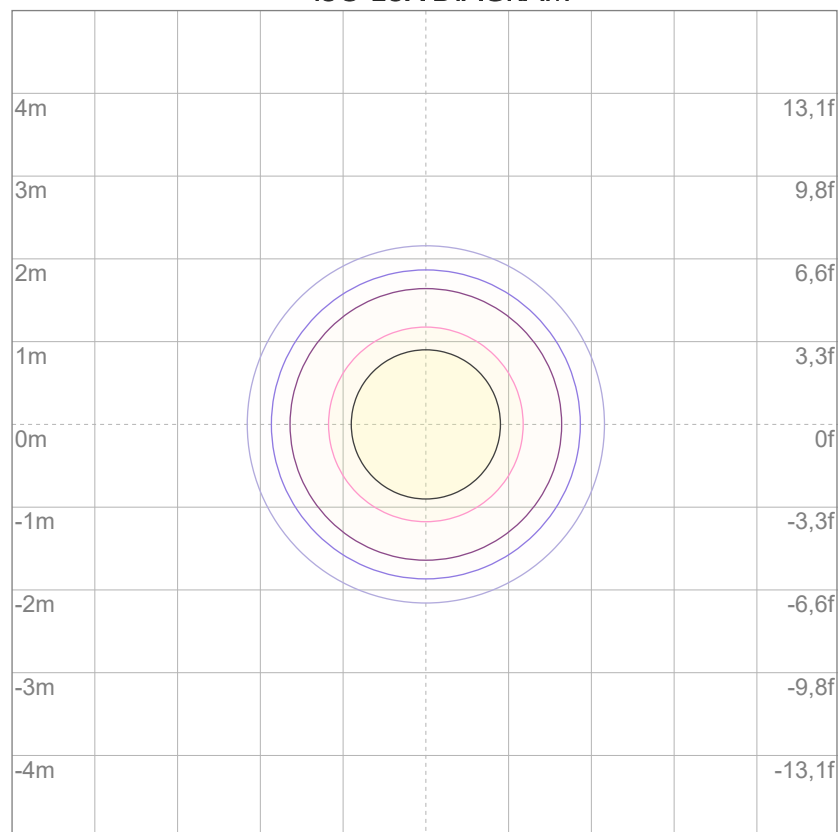
10%	28480 cd
20%	56960 cd
30%	85440 cd
40%	113920 cd
50%	142400 cd
60%	170880 cd
70%	199360 cd
80%	227840 cd

Conditions:

Number of c-planes: 2

Candela at center: 284800 cd

ISO LUX DIAGRAM



3%	85,4 lx
5%	142 lx
10%	285 lx
30%	854 lx
50%	1424 lx

Conditions:

Number of c-planes: 2

Lux at center: 2848 lx

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



Total lumen output:

12903 lm

Peak candela output:

50810 cd

Light quality:

CRI: 96,4

Color temperature:

6410 K

PRODUCT NAME:

ARCSPOTXLW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

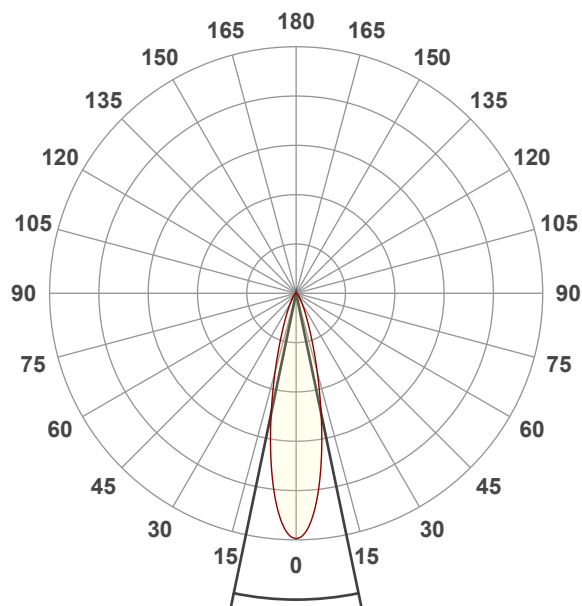
6500K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 14:38:46

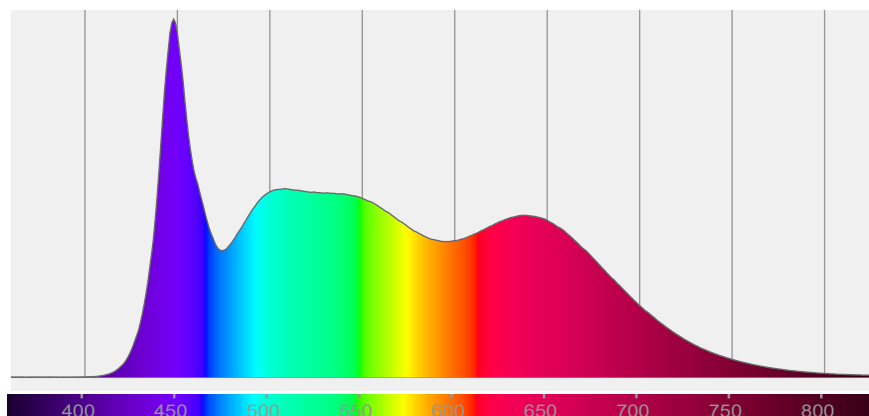


Beam angle 50%: 23,5°

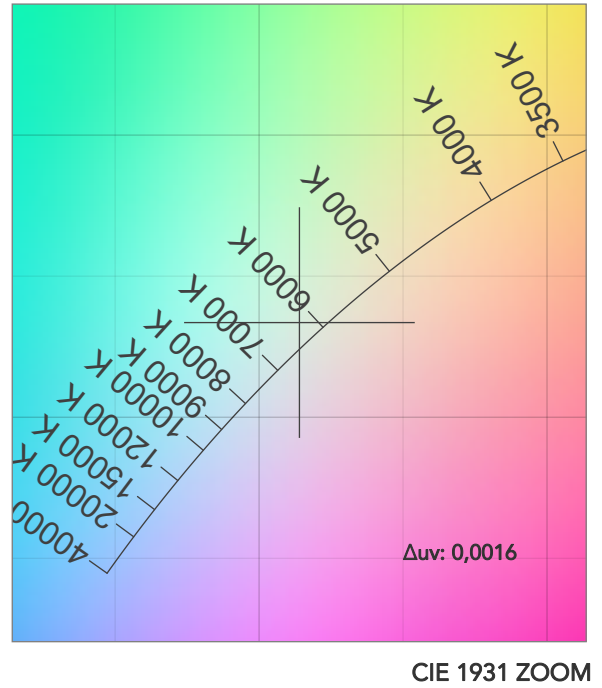
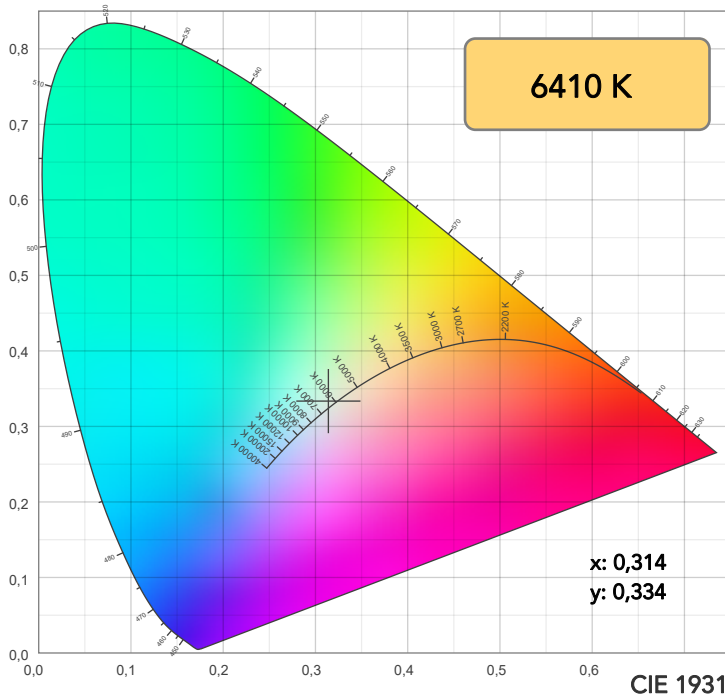
Field angle 10%: 47,6°

Cut off angle 2.5%: 72,7°

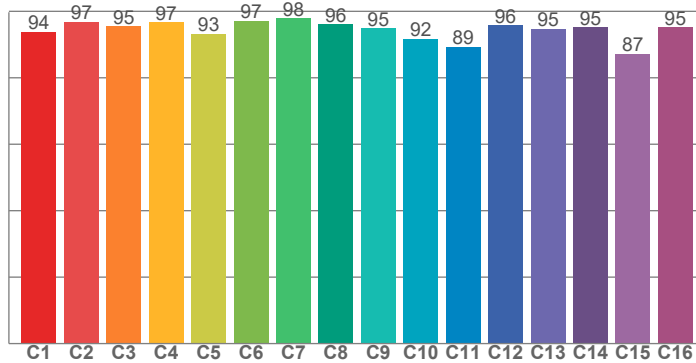
Spectra



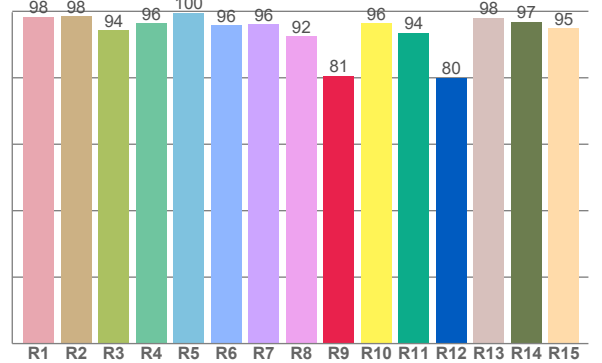
COLOR DETAILS



TM30: 94,3



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
98,4	98,4	94,3	96,5	99,6	95,8	96,1	92,5	80,6	96,4	93,6	80,0	98,0	96,9	94,9

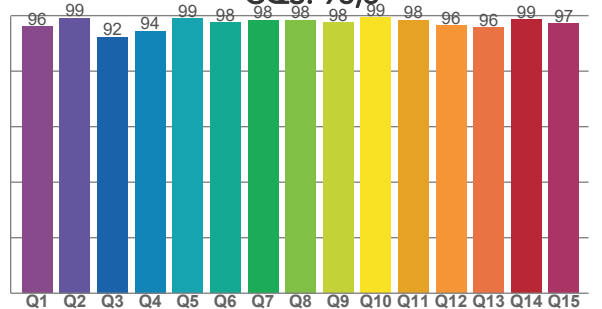
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,7	96,7	95,5	96,7	93,2	97,1	97,8	96,1	94,9	91,7	89,3	95,8	94,7	95,1	87,1	95,1

CQS Q values

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

CQS: 96,6



COLOR PARAMETERS

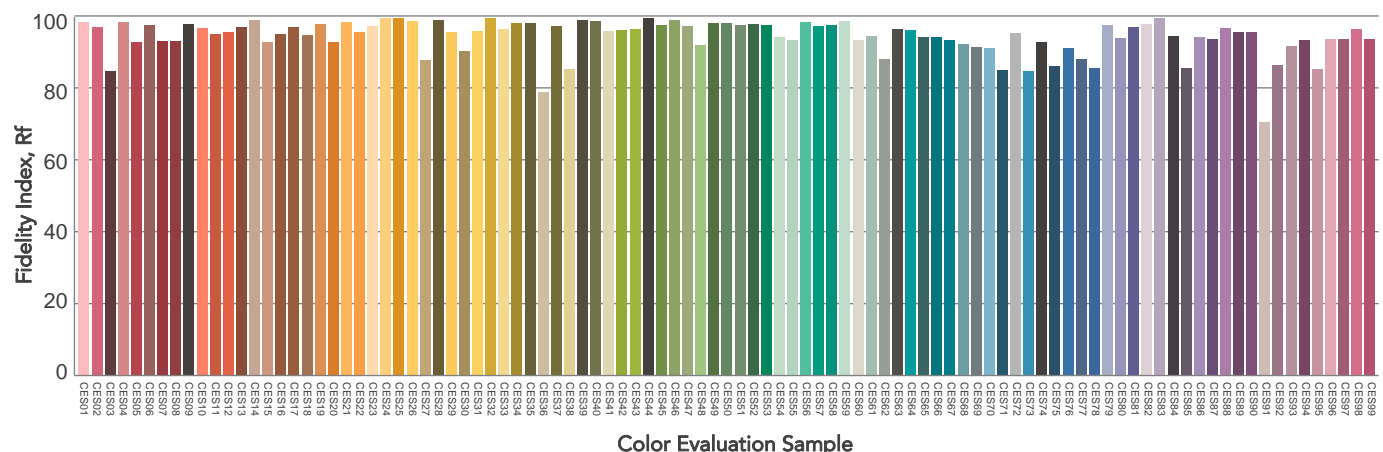
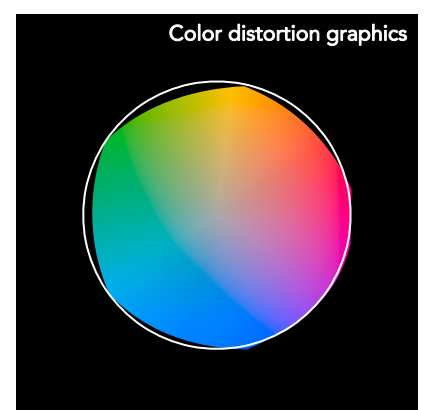
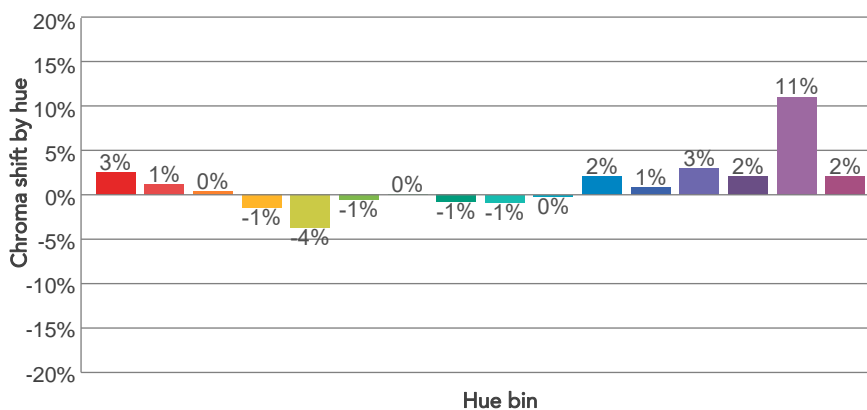
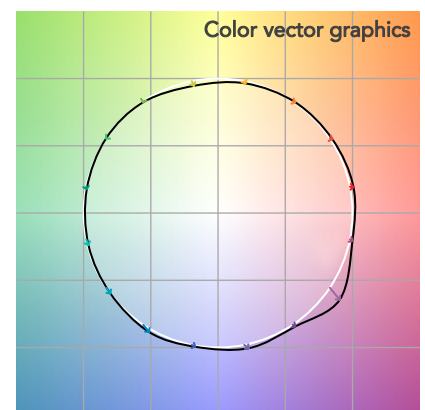
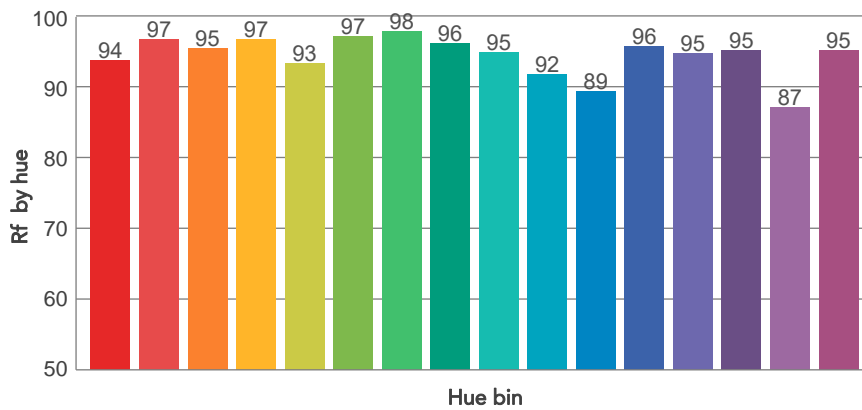
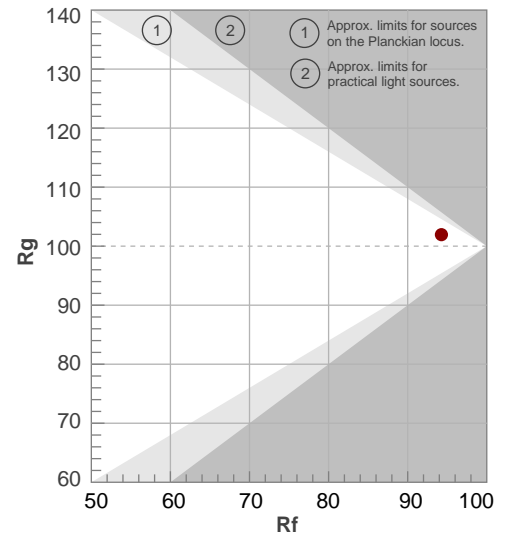
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6410 K	96,4	80,6	94,3	101,9	96,6	98	0,314	0,334	0,0016

TM30 DETAILS

Rf 94,3
Fidelity index Rf

Rg 101,9
Gammut index

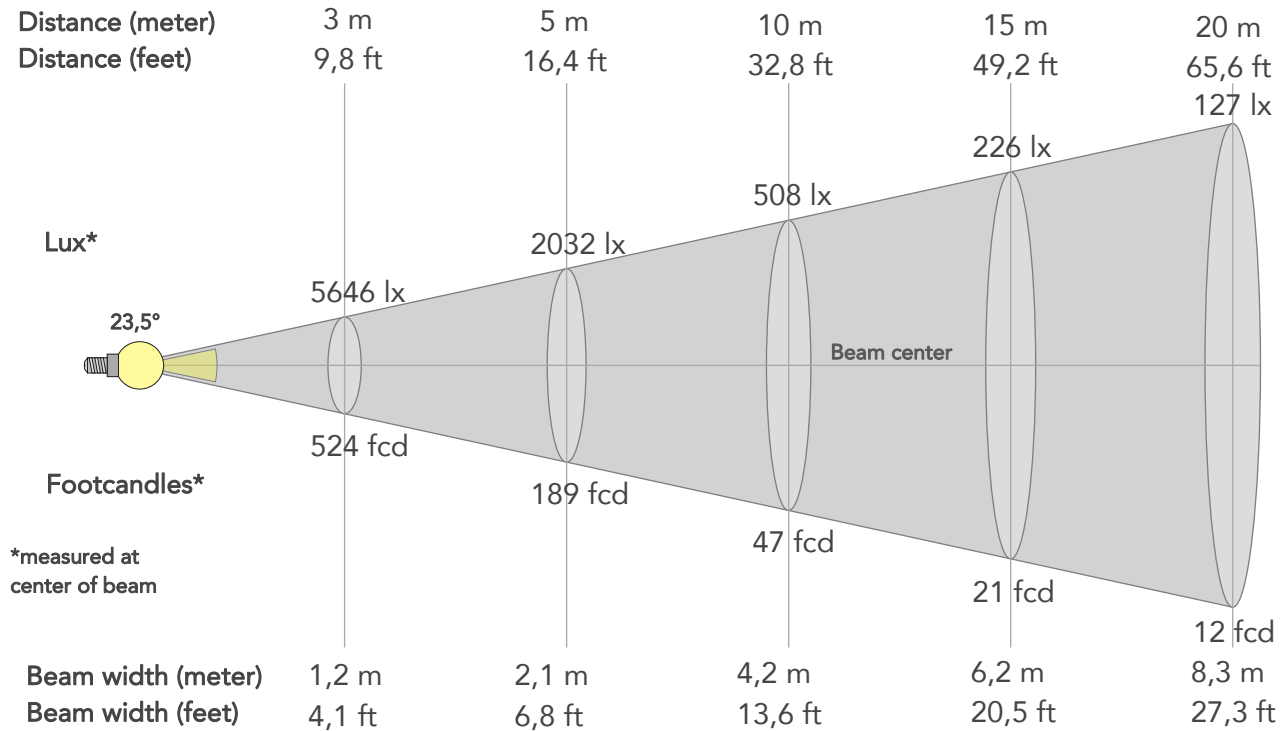
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	3%	-1%
2	97	1%	-2%
3	95	0%	-2%
4	97	-1%	-1%
5	93	-4%	-1%
6	97	-1%	1%
7	98	0%	0%
8	96	-1%	2%
9	95	-1%	4%
10	92	0%	5%
11	89	2%	7%
12	96	1%	3%
13	95	3%	3%
14	95	2%	1%
15	87	11%	-3%
16	95	2%	-1%



BEAM DETAILS



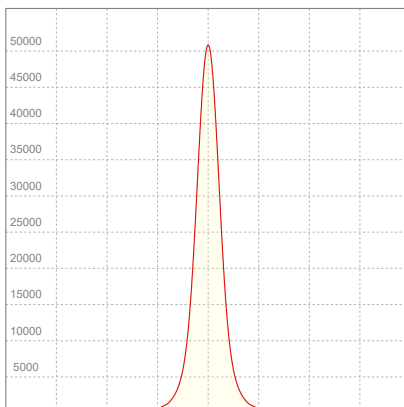
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,5°	47,6°	72,7°	96,3%	91,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	50810lx	12702lx	5646lx	3176lx	2032lx	903lx	508lx	226lx	127lx	81lx	56lx	32lx	20lx
Footcand.	4720fcd	1180fcd	524fcd	295fcd	189fcd	84fcd	47fcd	21fcd	12fcd	8fcd	5fcd	3fcd	2fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,2m	6,2m	8,3m	10,4m	12,5m	16,6m	20,8m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,5ft	27,3ft	34,1ft	40,9ft	54,6ft	68,2ft

LINEAR DISTRIBUTION DIAGRAM

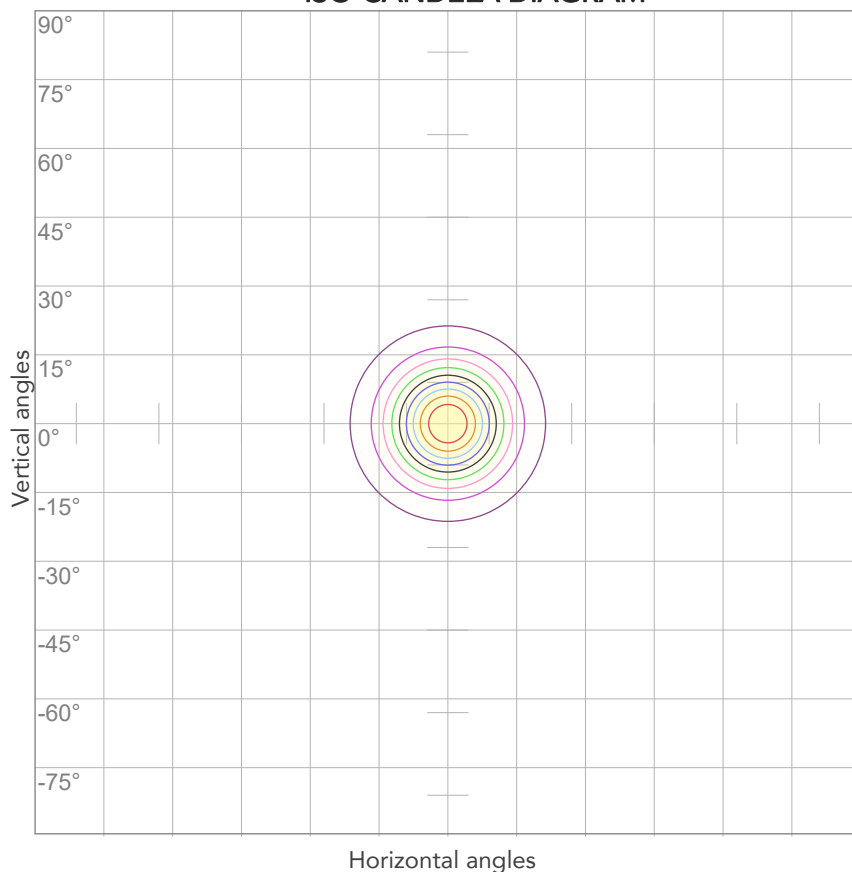


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	1,01A	218,3W	0,96	59lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



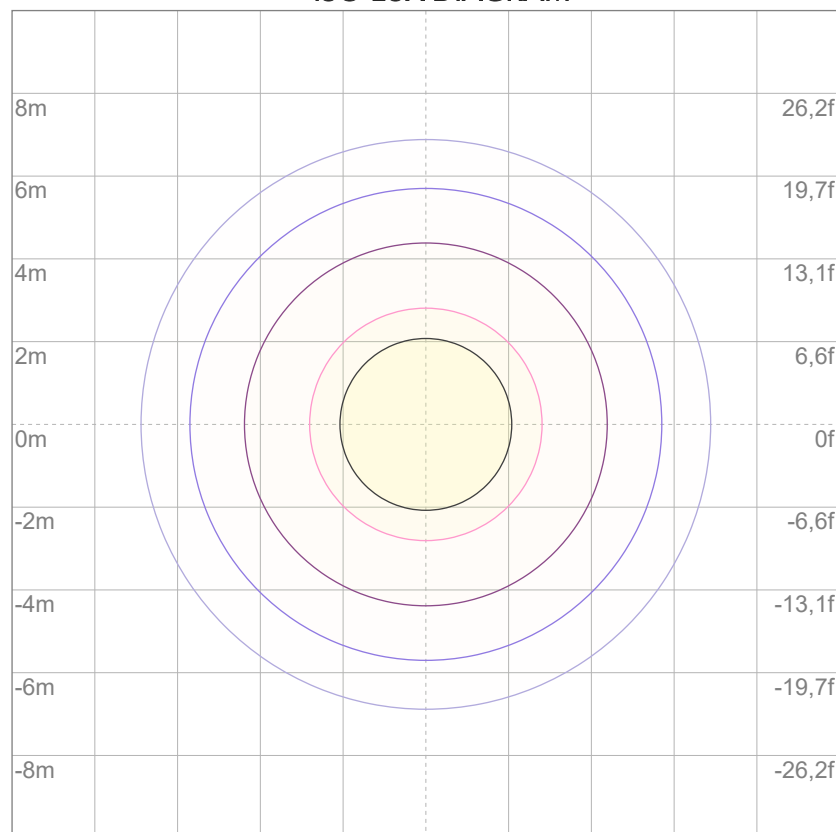
10%	5081 cd
20%	10162 cd
30%	15243 cd
40%	20324 cd
50%	25405 cd
60%	30486 cd
70%	35567 cd
80%	40648 cd

Conditions:

Number of c-planes: 2

Candela at center: 50810 cd

ISO LUX DIAGRAM



3%	15,2 lx
5%	25,4 lx
10%	50,8 lx
30%	152 lx
50%	254 lx

Conditions:

Number of c-planes: 2

Lux at center: 508 lx

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



Total lumen output:

11717 lm

Peak candela output:

15349 cd

Light quality:

CRI: 96,3

Color temperature:

6458 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

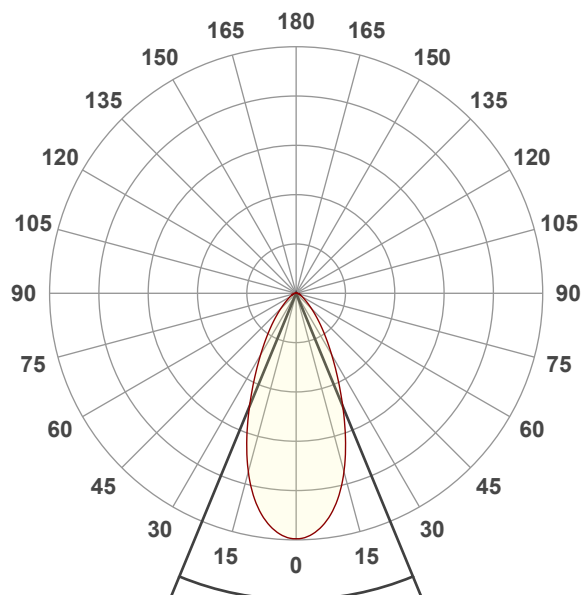
6500K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 15:49:20

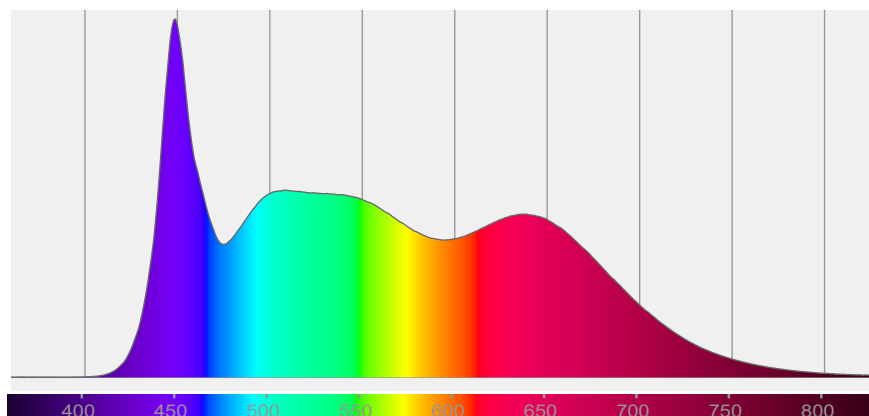


Beam angle 50%: 44,8°

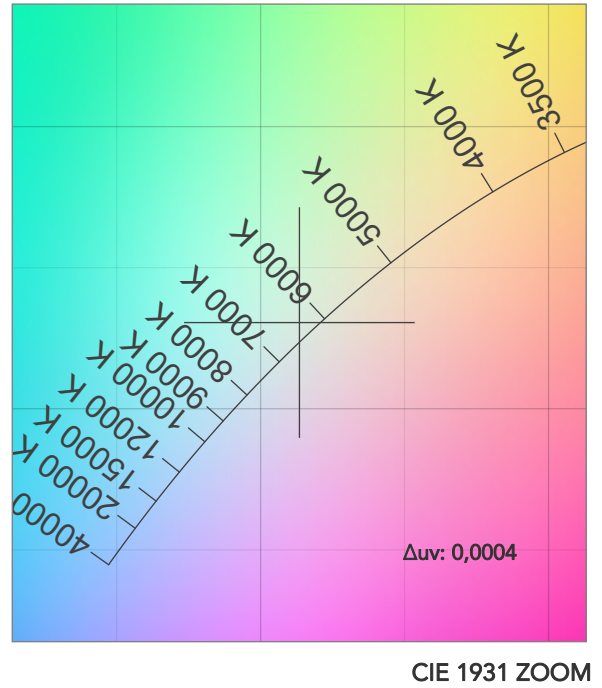
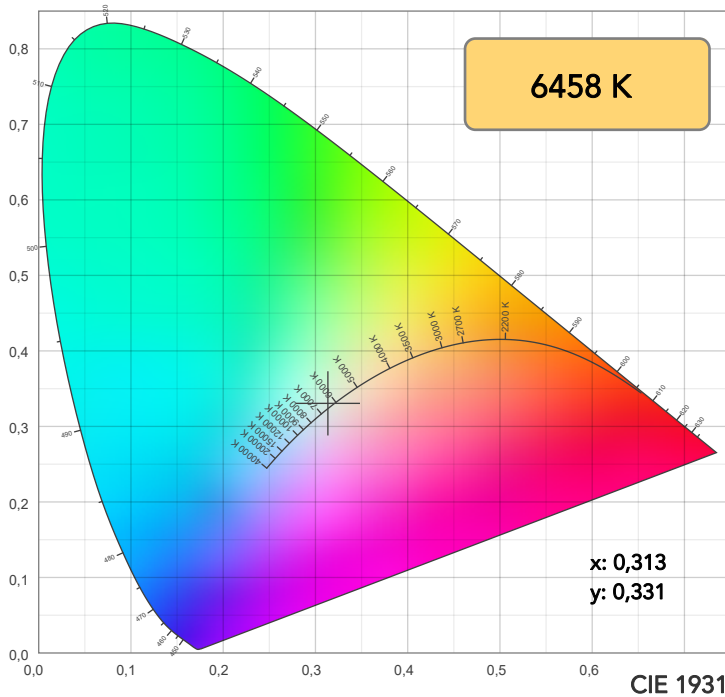
Field angle 10%: 87,2°

Cut off angle 2.5%: 125°

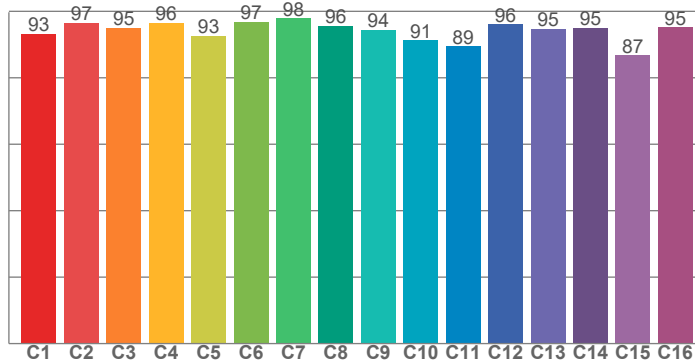
Spectra



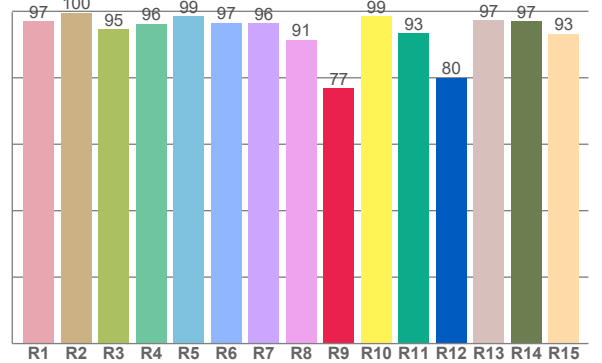
COLOR DETAILS



TM30: 94,0



CRI: 96,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,0	99,6	94,6	96,3	98,6	96,5	96,3	91,5	76,8	98,6	93,4	80,0	97,3	97,0	93,3

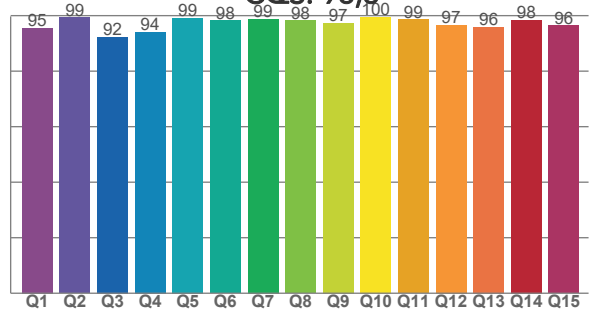
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

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
6458 K	96,3	76,8	94,0	102,1	96,6	98	0,313	0,331	0,0004

TM30 DETAILS

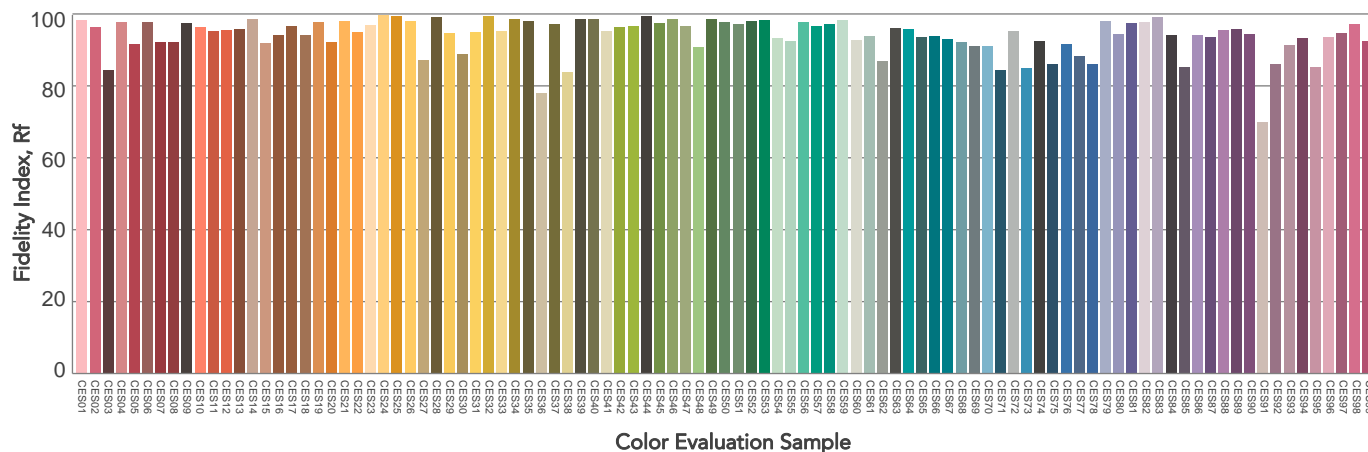
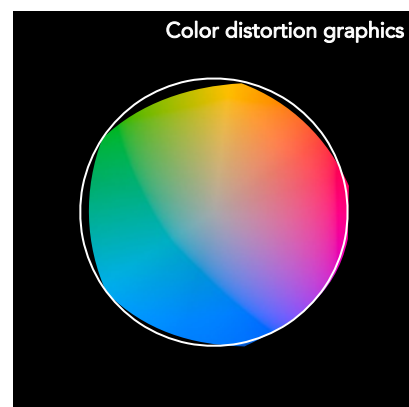
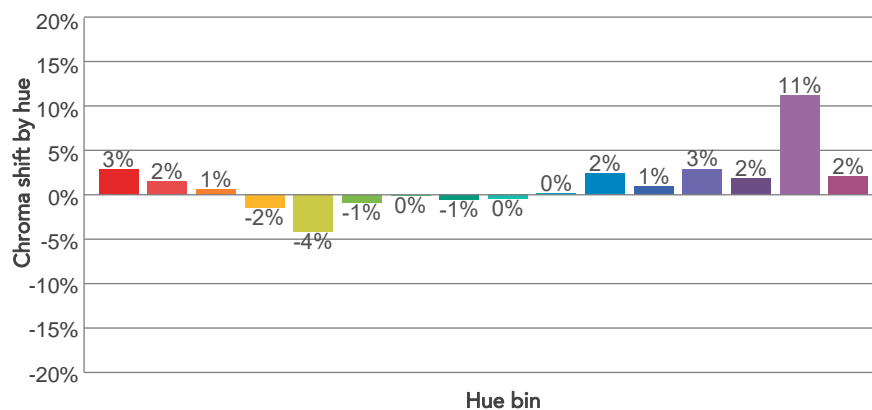
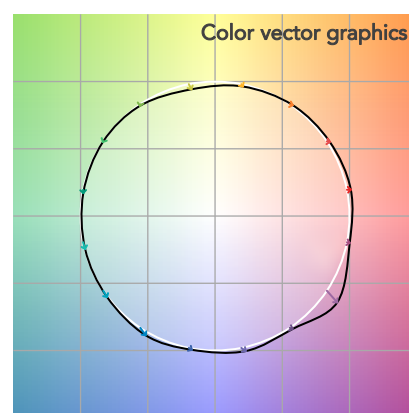
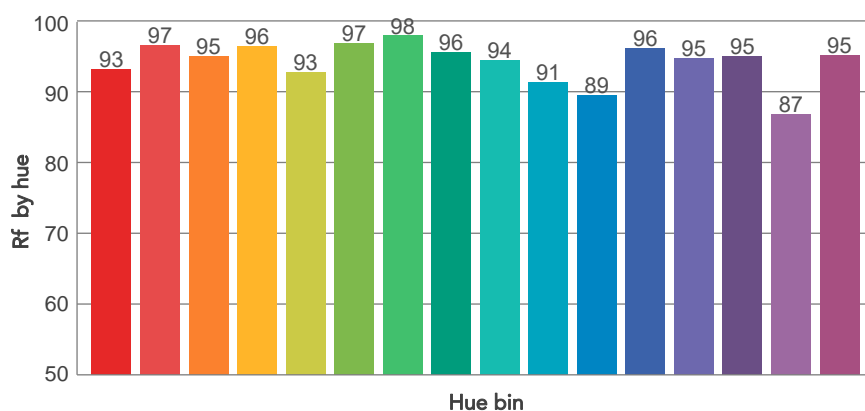
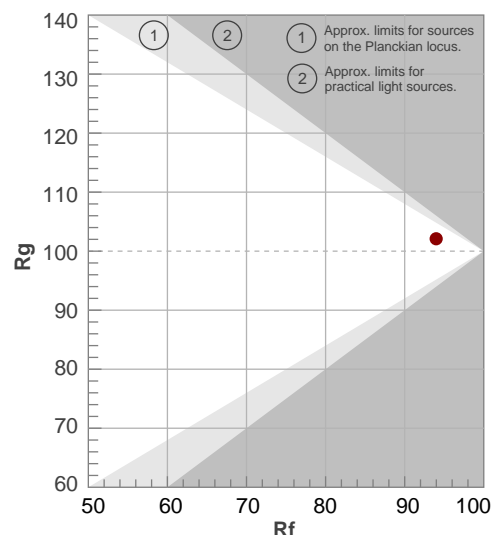
Rf 94,0

Fidelity index Rf

Rg 102,1

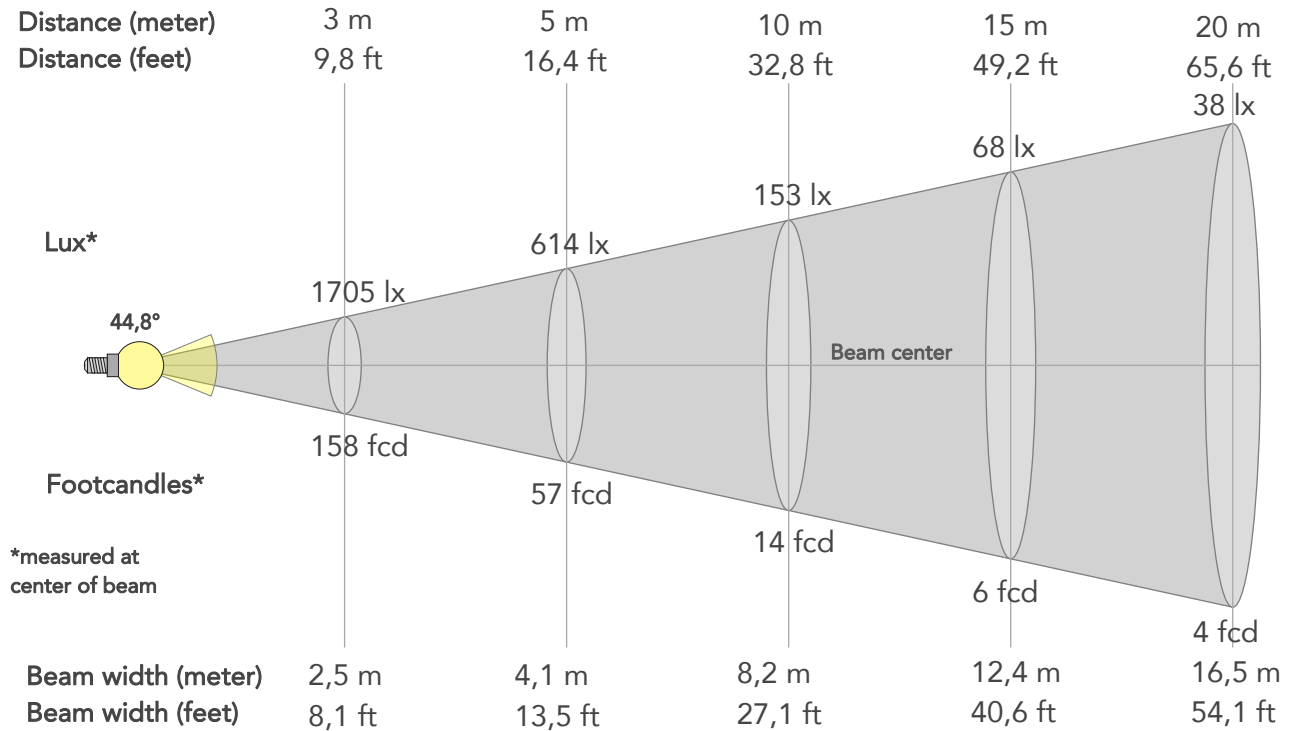
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	3%	0%
2	97	2%	-2%
3	95	1%	-2%
4	96	-2%	-1%
5	93	-4%	-1%
6	97	-1%	1%
7	98	0%	1%
8	96	-1%	2%
9	94	0%	5%
10	91	0%	6%
11	89	2%	6%
12	96	1%	2%
13	95	3%	3%
14	95	2%	1%
15	87	11%	-3%
16	95	2%	0%



BEAM DETAILS

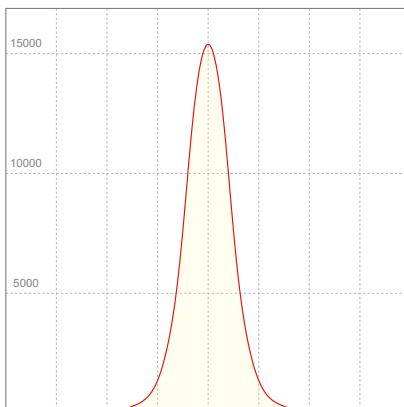
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,8°	87,2°	125°	94,7%	86,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	15349lx	3837lx	1705lx	959lx	614lx	273lx	153lx	68lx	38lx	25lx	17lx	10lx	6lx
Footcand.	1426fcd	357fcd	158fcd	89fcd	57fcd	25fcd	14fcd	6fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,4m	16,5m	20,6m	24,7m	33m	41,2m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,3ft	27,1ft	40,6ft	54,1ft	67,6ft	81,2ft	108,2ft	135,3ft

LINEAR DISTRIBUTION DIAGRAM

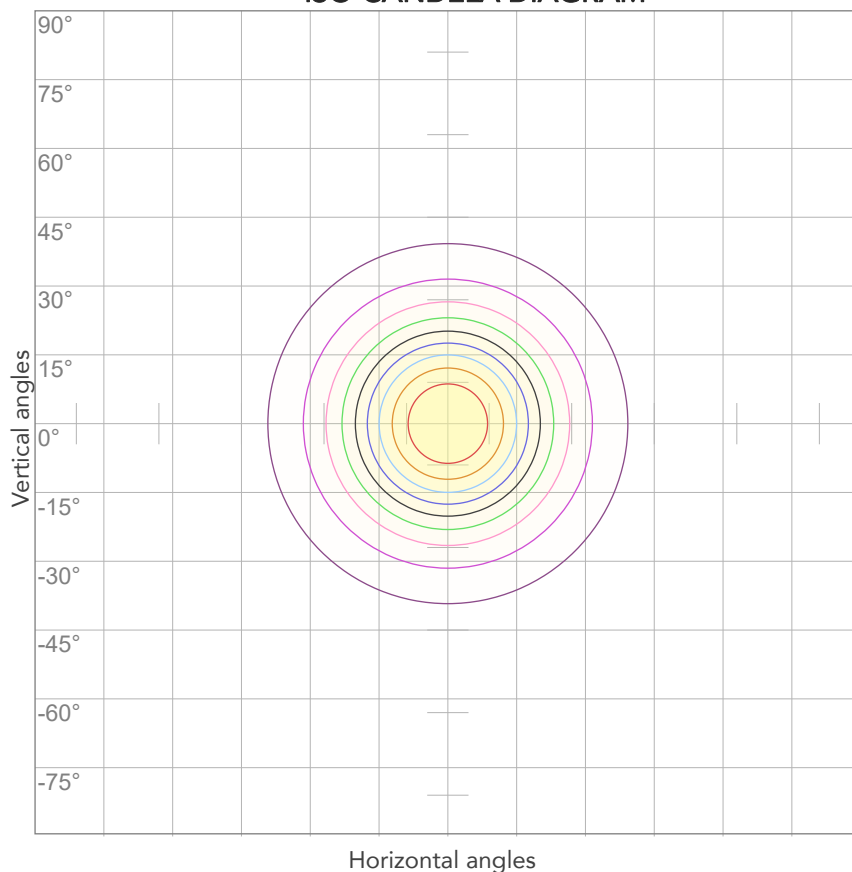


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,994A	213,8W	0,96	55lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



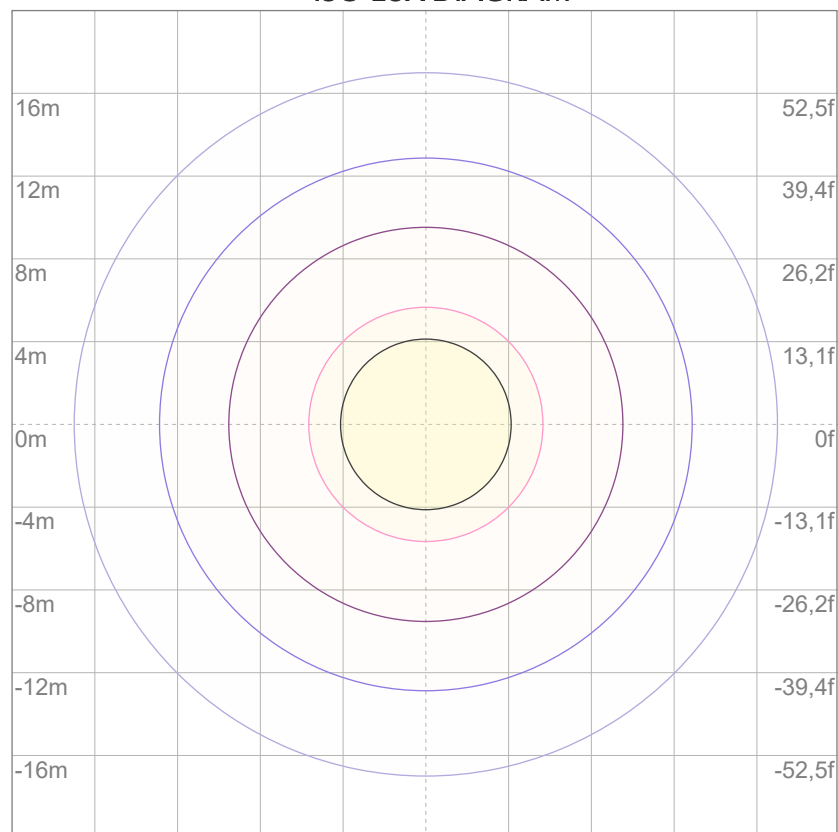
10%	1535 cd
20%	3070 cd
30%	4605 cd
40%	6140 cd
50%	7675 cd
60%	9210 cd
70%	10745 cd
80%	12279 cd

Conditions:

Number of c-planes: 2

Candela at center: 15349 cd

ISO LUX DIAGRAM



3%	4,60 lx
5%	7,67 lx
10%	15,3 lx
30%	46,0 lx
50%	76,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 153 lx

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

Total lumen output:

11786 lm

Peak candela output:

10371 cd

Light quality:

CRI: 96,3

Color temperature:

6474 K

No photo

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

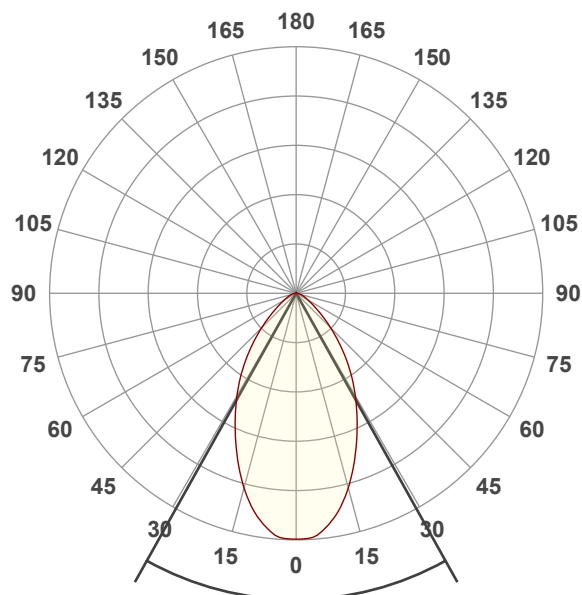
6500K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 15:52:37

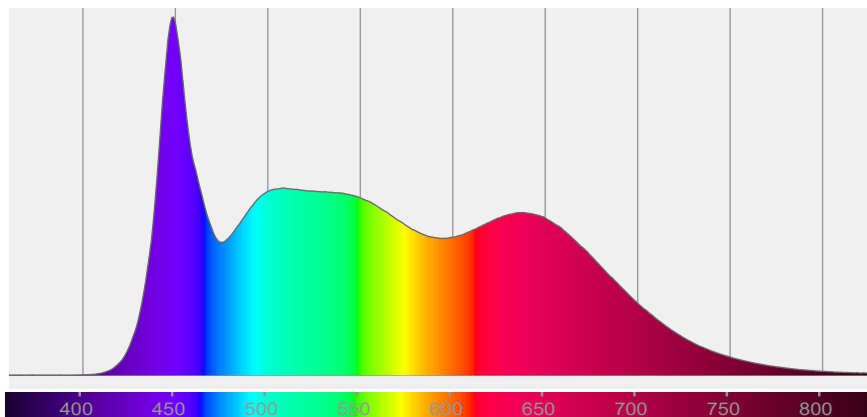


Beam angle 50%: 58,3°

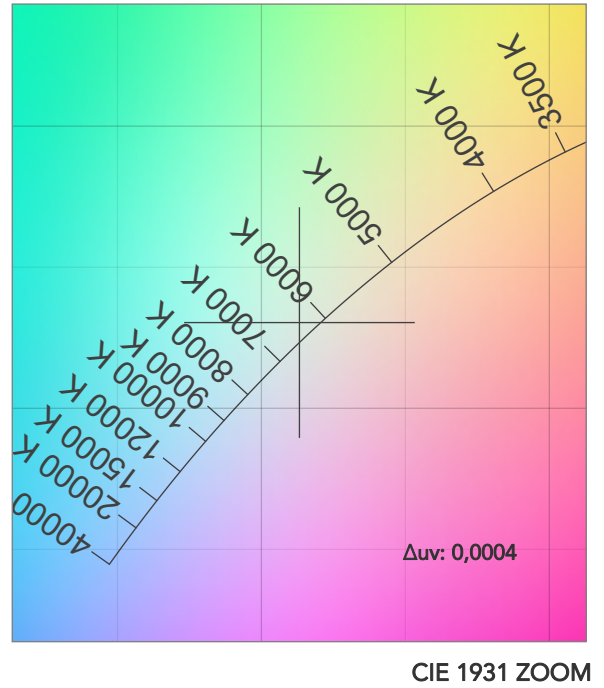
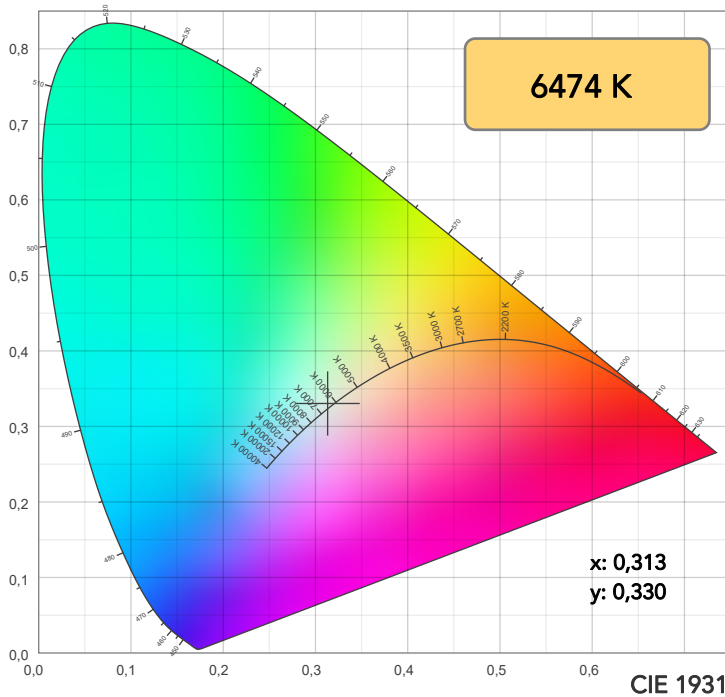
Field angle 10%: 106,6°

Cut off angle 2.5%: 143,9°

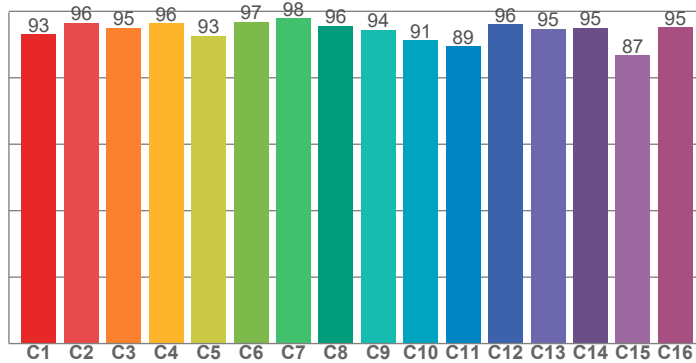
Spectra



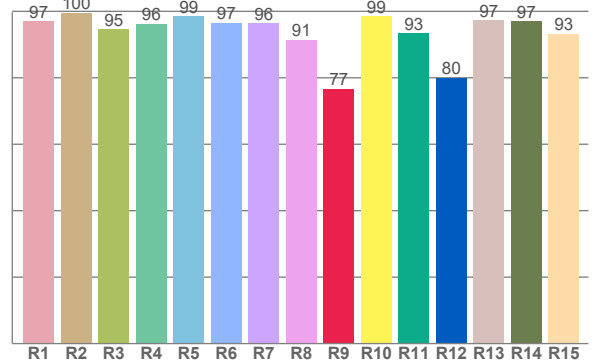
COLOR DETAILS



TM30: 94,0



CRI: 96,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,0	99,6	94,6	96,3	98,6	96,6	96,3	91,4	76,7	98,6	93,3	80,0	97,3	97,0	93,3

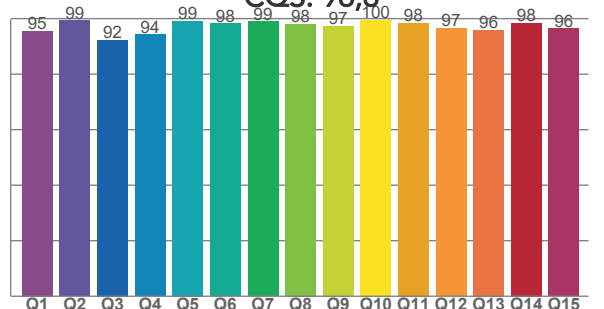
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

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
6474 K	96,3	76,7	94,0	102,1	96,6	98	0,313	0,330	0,0004

TM30 DETAILS

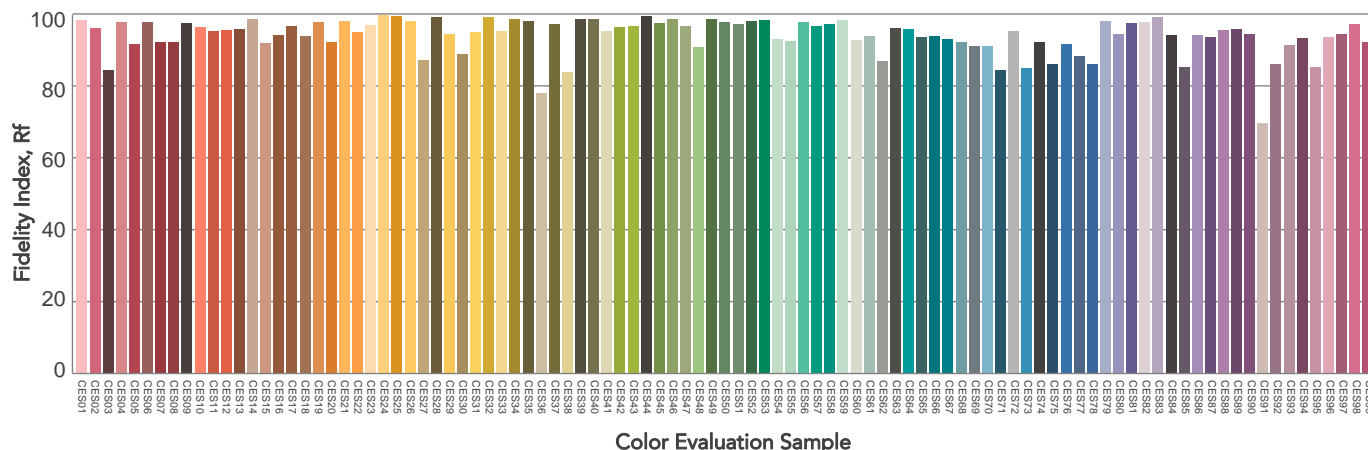
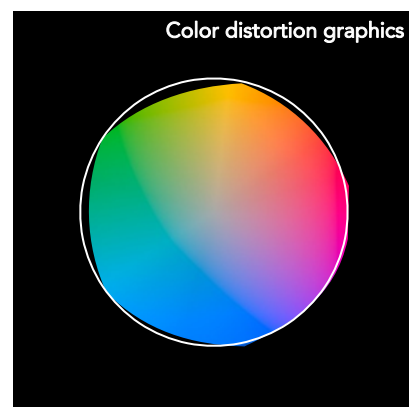
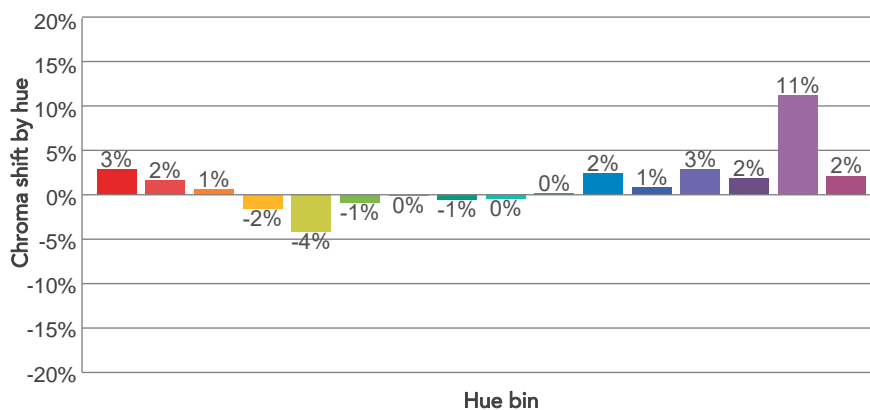
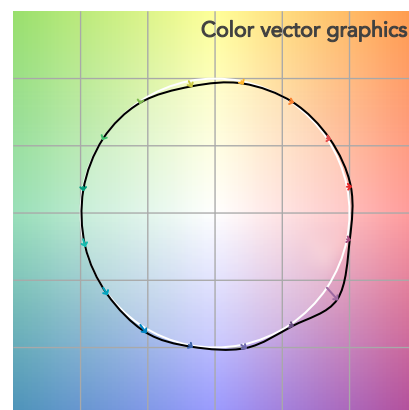
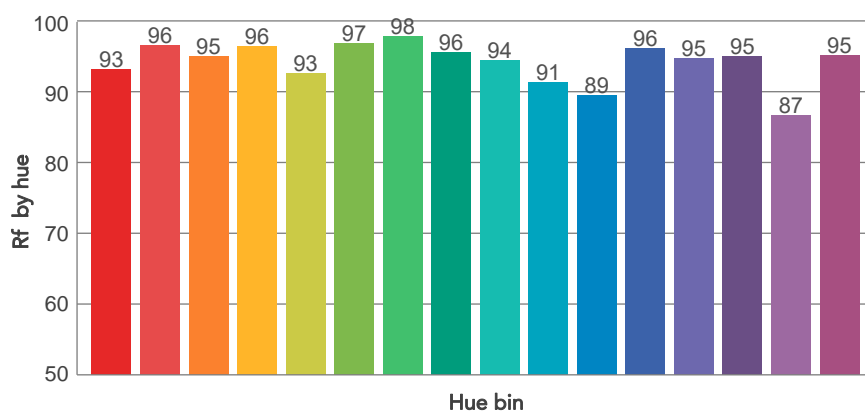
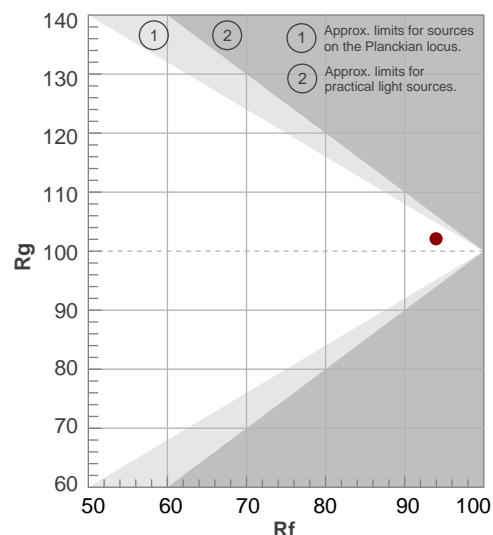
Rf 94,0

Fidelity index Rf

Rg 102,1

Gammut index

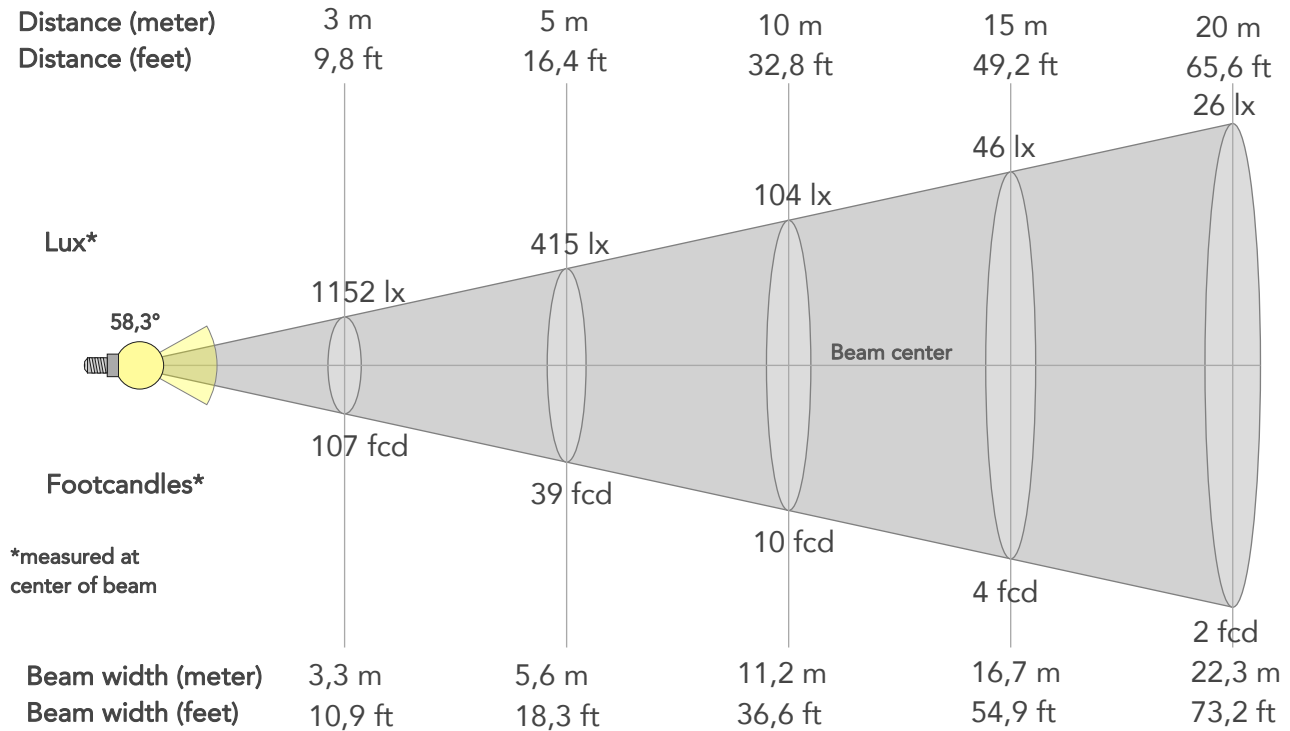
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	3%	0%
2	96	2%	-2%
3	95	1%	-2%
4	96	-2%	-1%
5	93	-4%	-1%
6	97	-1%	1%
7	98	0%	1%
8	96	-1%	2%
9	94	0%	5%
10	91	0%	5%
11	89	2%	6%
12	96	1%	2%
13	95	3%	3%
14	95	2%	1%
15	87	11%	-3%
16	95	2%	0%



BEAM DETAILS



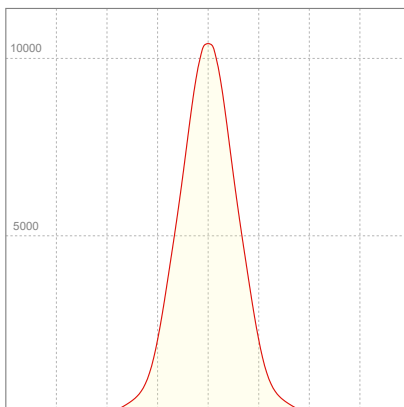
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,3°	106,6°	143,9°	93,5%	80,7%



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	10371lx	2593lx	1152lx	648lx	415lx	184lx	104lx	46lx	26lx	17lx	12lx	6lx	4lx
Footcand.	964fcd	241fcd	107fcd	60fcd	39fcd	17fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,5m	5,6m	8,4m	11,2m	16,7m	22,3m	27,9m	33,5m	44,7m	55,8m
Beam wid.	3,7ft	7,4ft	10,9ft	14,6ft	18,3ft	27,5ft	36,6ft	54,9ft	73,2ft	91,6ft	109,9ft	146,5ft	183,1ft

LINEAR DISTRIBUTION DIAGRAM

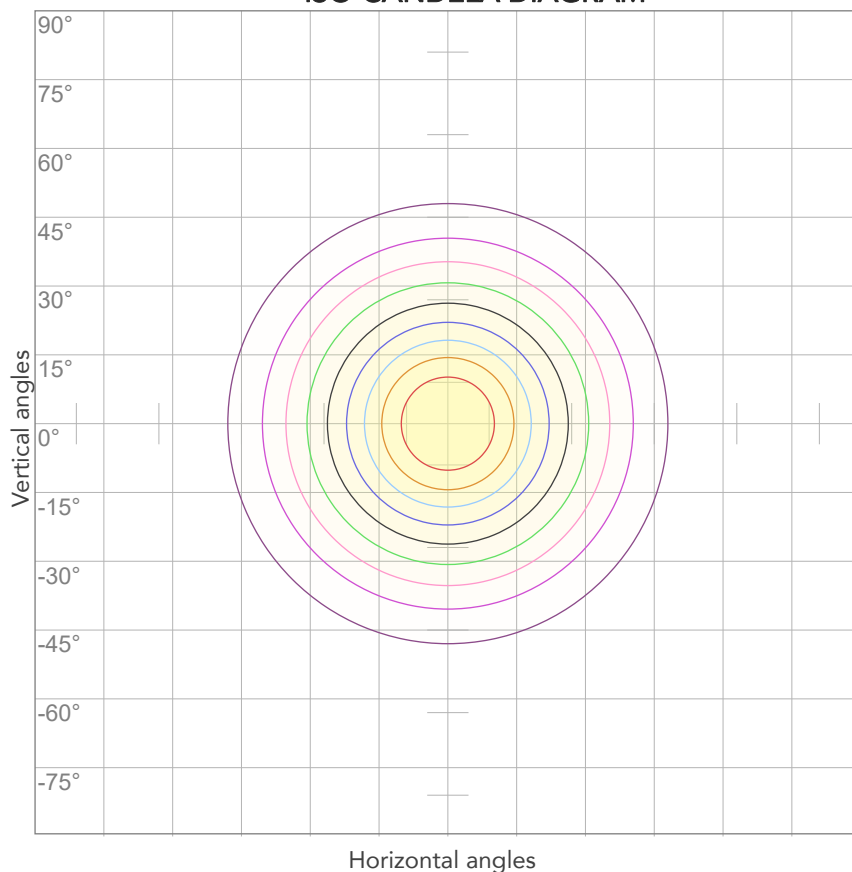


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,988A	213,8W	0,96	55lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



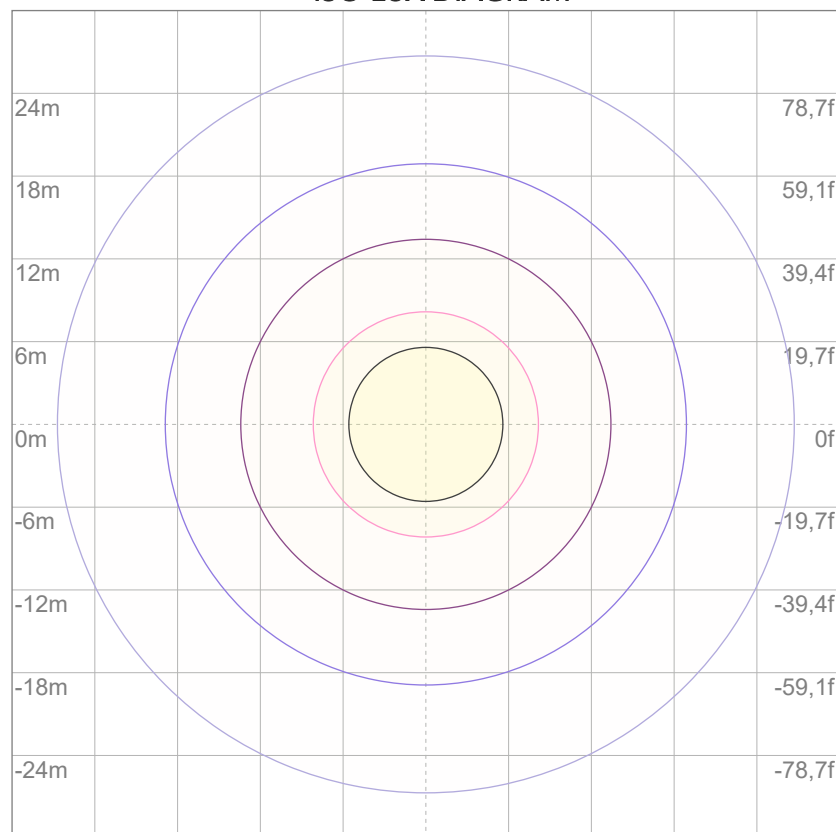
10%	1037 cd
20%	2074 cd
30%	3111 cd
40%	4149 cd
50%	5186 cd
60%	6223 cd
70%	7260 cd
80%	8297 cd

Conditions:

Number of c-planes: 2

Candela at center: 10371 cd

ISO LUX DIAGRAM



3%	3,11 lx
5%	5,19 lx
10%	10,4 lx
30%	31,1 lx
50%	51,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 104 lx

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



Total lumen output:

13061 lm

Peak candela output:

22176 cd

Light quality:

CRI: 96,0

Color temperature:

6343 K

PRODUCT NAME:

ARCSPOTXLW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

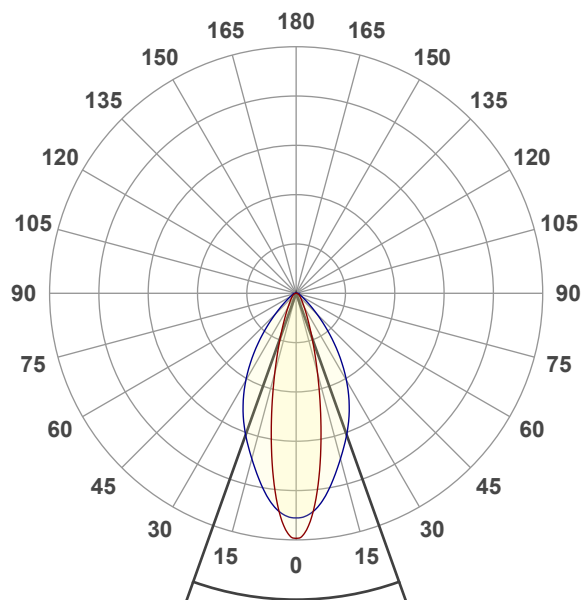
6500K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 17:43:39

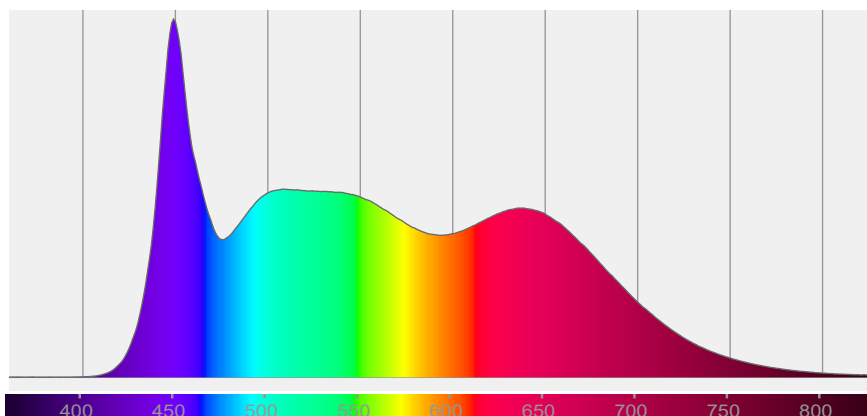


Beam angle 50%: 39,3°

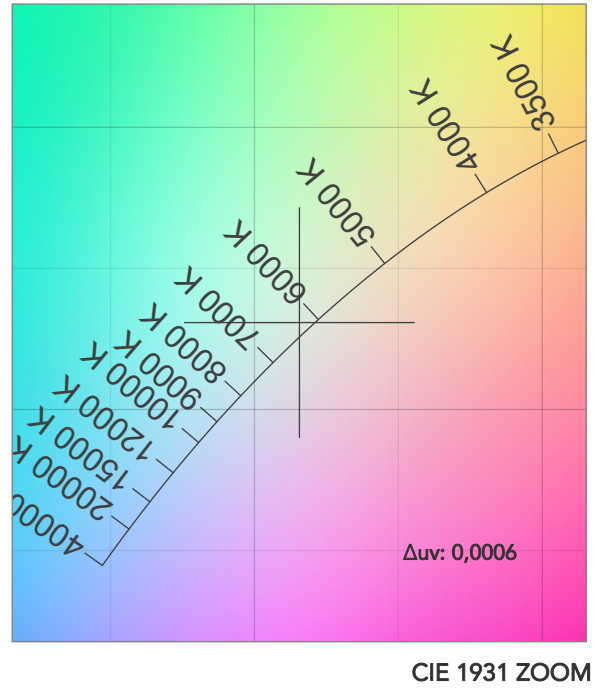
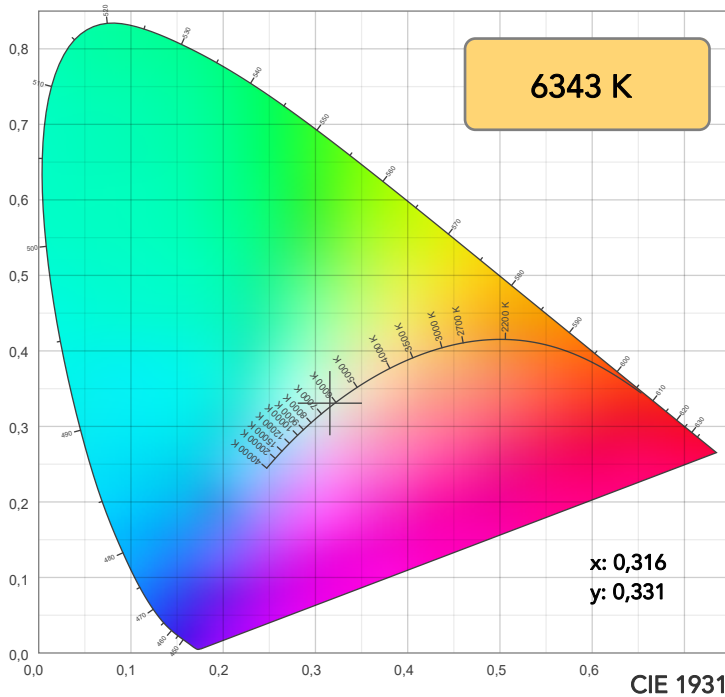
Field angle 10%: 73,1°

Cut off angle 2.5%: 108,7°

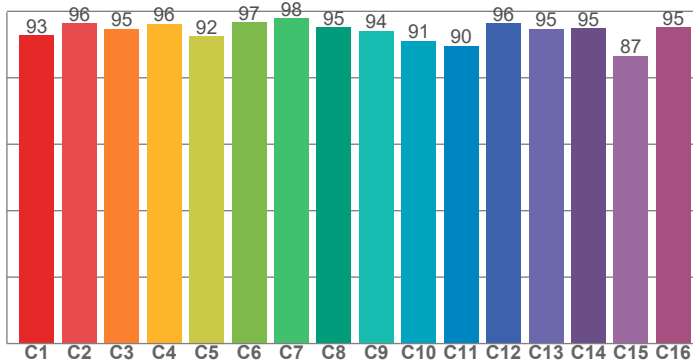
Spectra



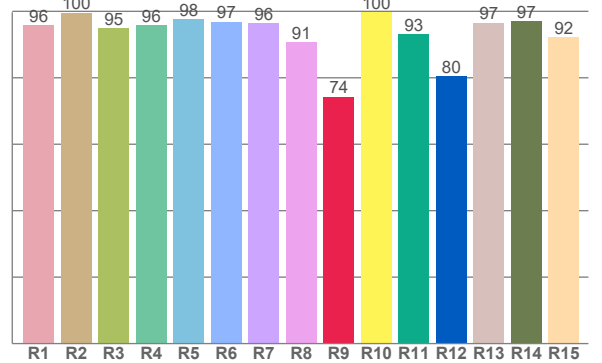
COLOR DETAILS



TM30: 93,8



CRI: 96,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,9	99,5	94,9	95,9	97,6	96,9	96,4	90,7	74,3	99,7	93,1	80,4	96,5	97,0	92,2

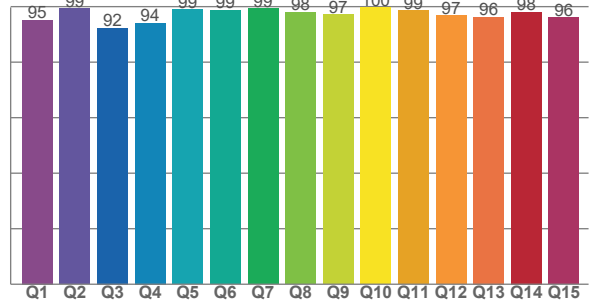
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

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
6343 K	96,0	74,3	93,8	102,2	96,6	98	0,316	0,331	0,0006

TM30 DETAILS

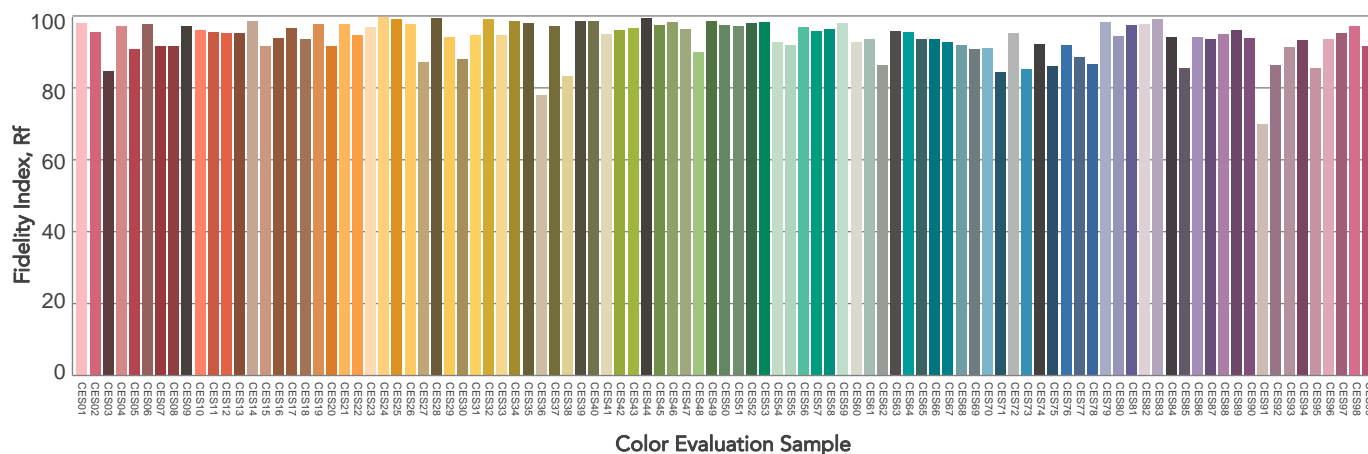
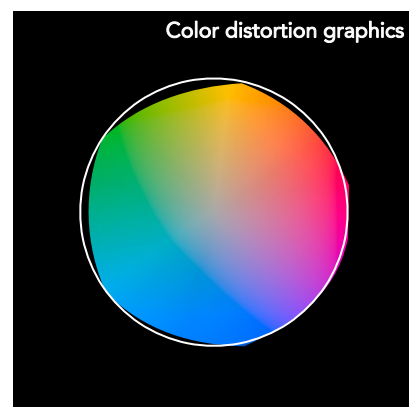
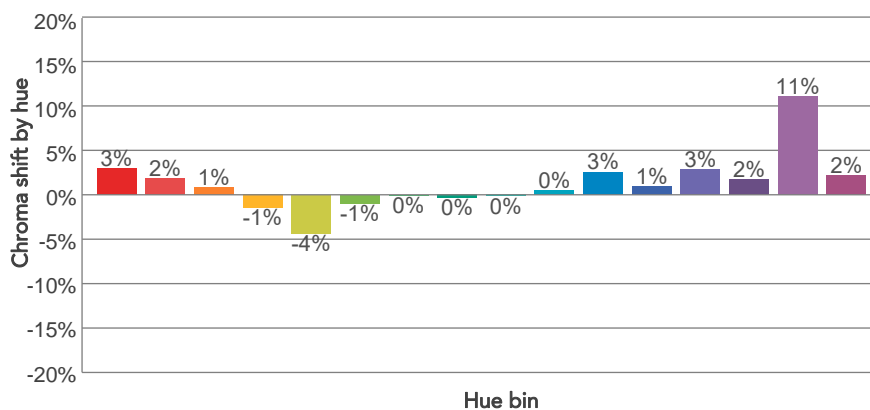
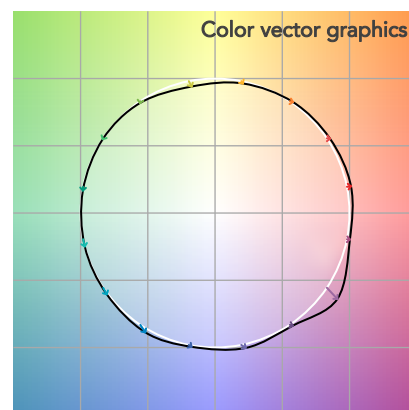
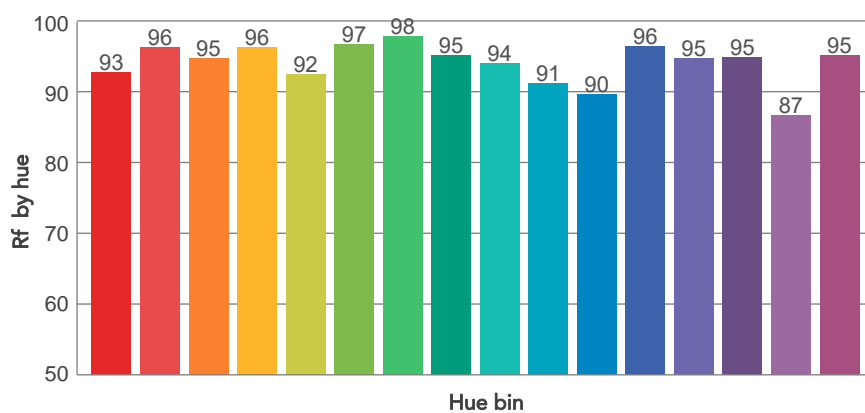
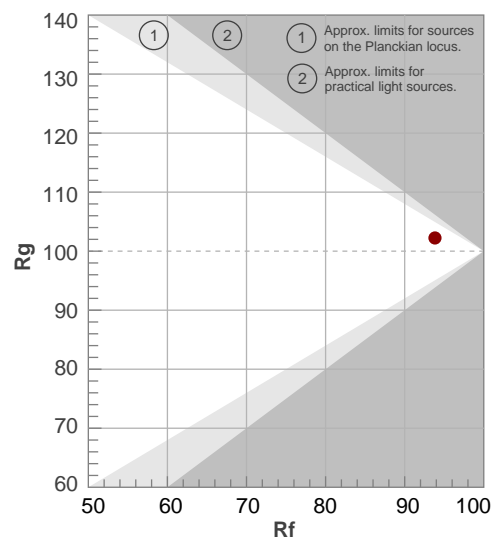
Rf 93,8

Fidelity index Rf

Rg 102,2

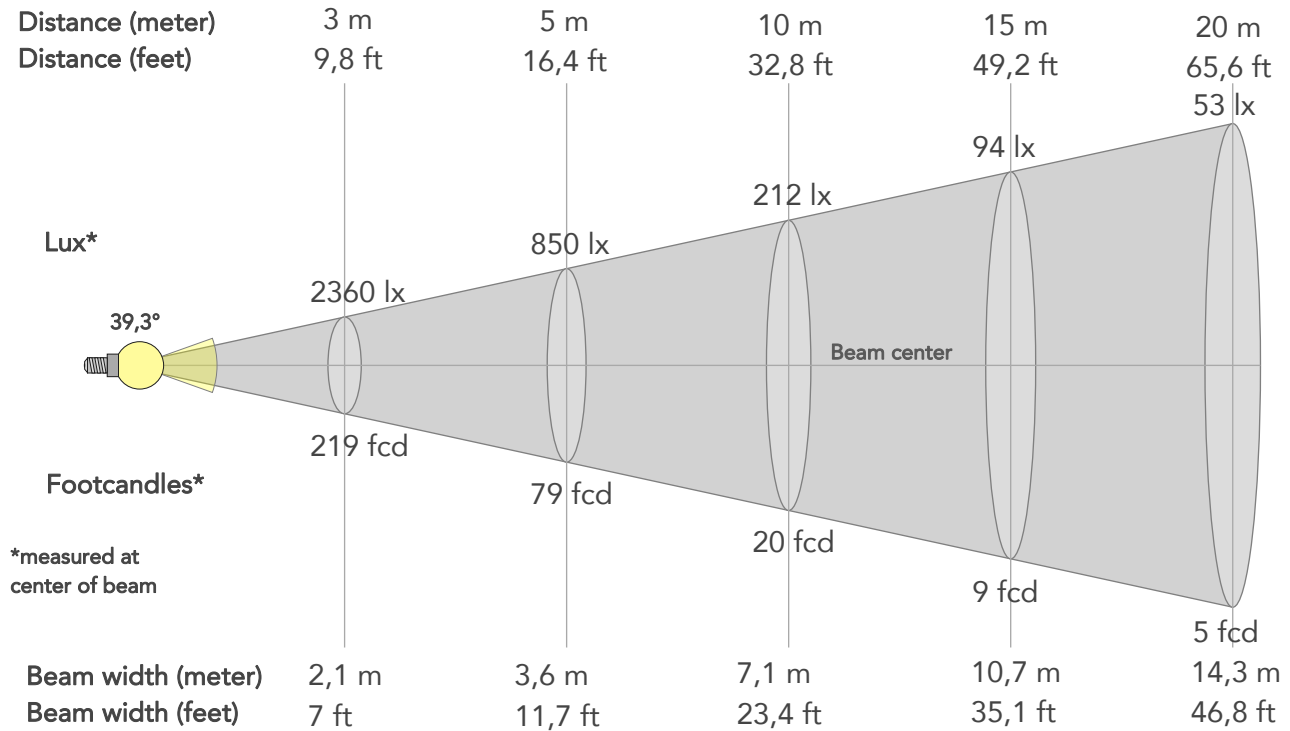
Gammut index

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



BEAM DETAILS

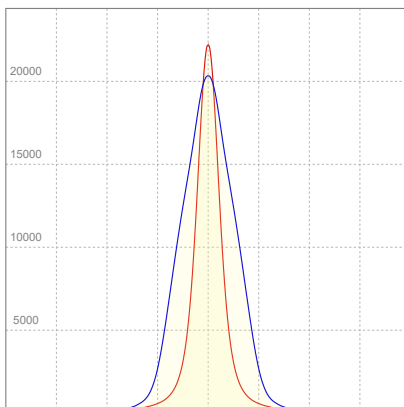
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,3°	73,1°	108,7°	94,8%	86,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	21238lx	5310lx	2360lx	1327lx	850lx	378lx	212lx	94lx	53lx	34lx	24lx	13lx	8lx
Footcand.	1973fcd	493fcd	219fcd	123fcd	79fcd	35fcd	20fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,7m	1,4m	2,1m	2,9m	3,6m	5,4m	7,1m	10,7m	14,3m	17,8m	21,4m	28,5m	35,7m
Beam wid.	2,4ft	4,7ft	7ft	9,3ft	11,7ft	17,6ft	23,4ft	35,1ft	46,8ft	58,5ft	70,2ft	93,6ft	117ft

LINEAR DISTRIBUTION DIAGRAM

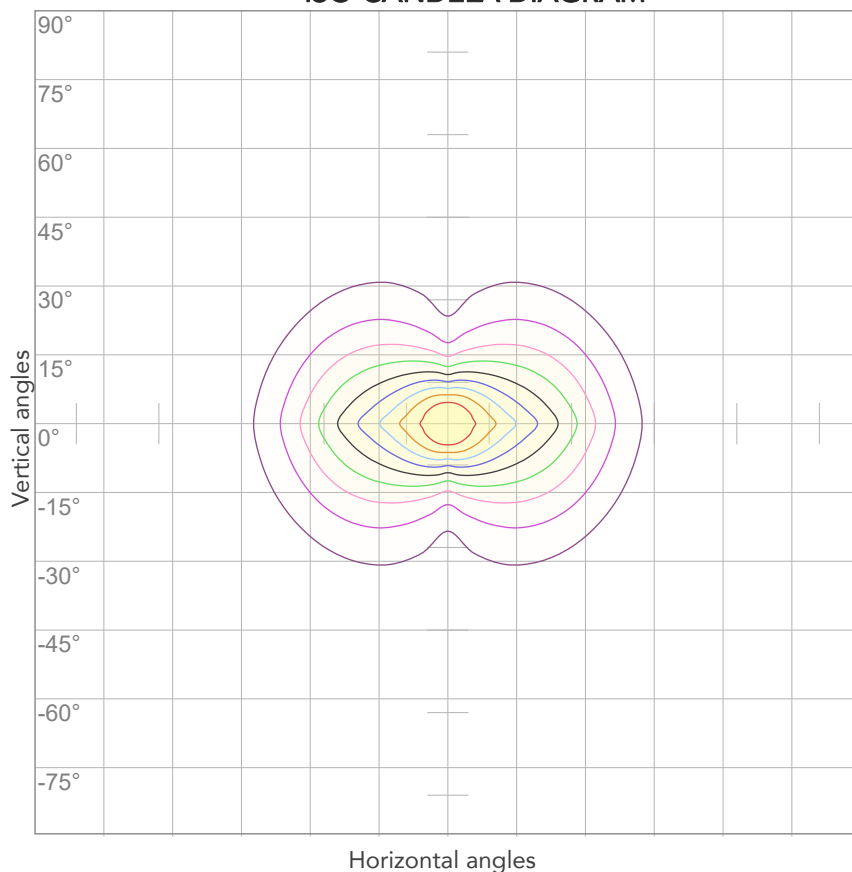


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
223V	0,989A	211,7W	0,96	62lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



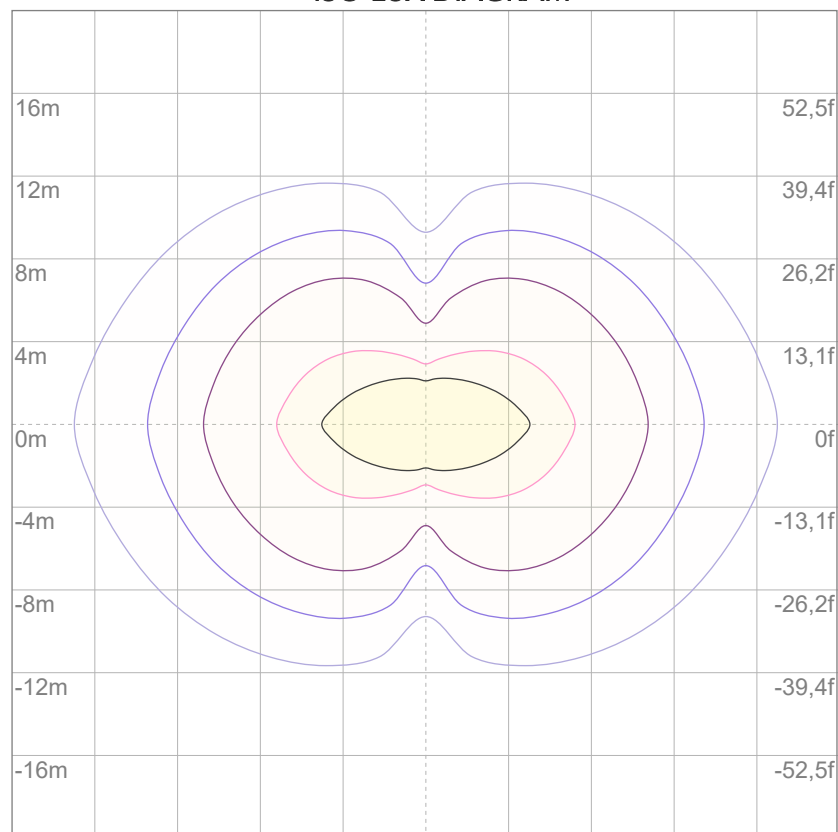
10%	2124 cd
20%	4248 cd
30%	6372 cd
40%	8495 cd
50%	10619 cd
60%	12743 cd
70%	14867 cd
80%	16991 cd

Conditions:

Number of c-planes: 4

Candela at center: 21238 cd

ISO LUX DIAGRAM



3%	6,37 lx
5%	10,6 lx
10%	21,2 lx
30%	63,7 lx
50%	106 lx

Conditions:

Number of c-planes: 4

Lux at center: 212 lx

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



Total lumen output:

13247 lm

Peak candela output:

18469 cd

Light quality:

CRI: 96,0

Color temperature:

6448 K

PRODUCT NAME:

ARCSPOTXLVW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

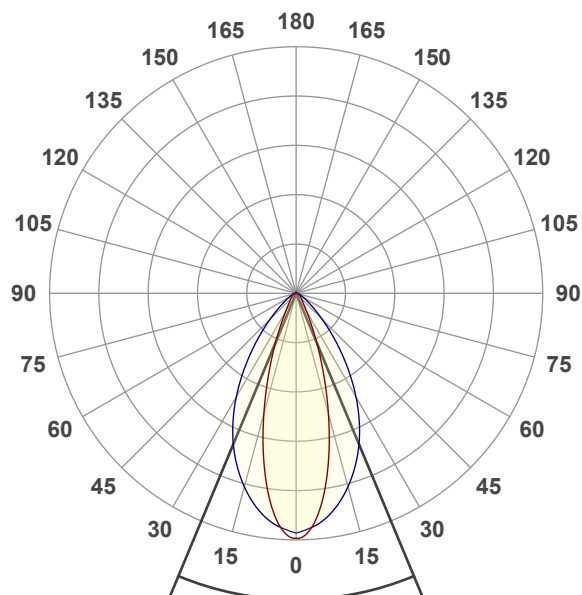
6500K

Operator:

Salvatore Giglio

Date and time:

27/02/2024 17:47:42

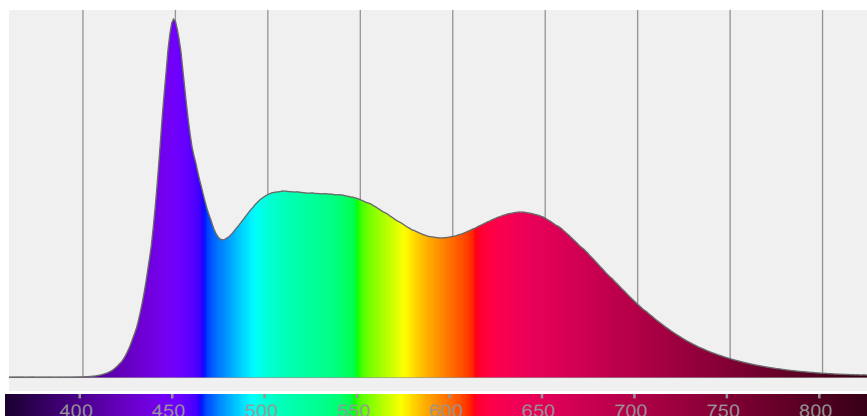


Beam angle 50%: 45,2°

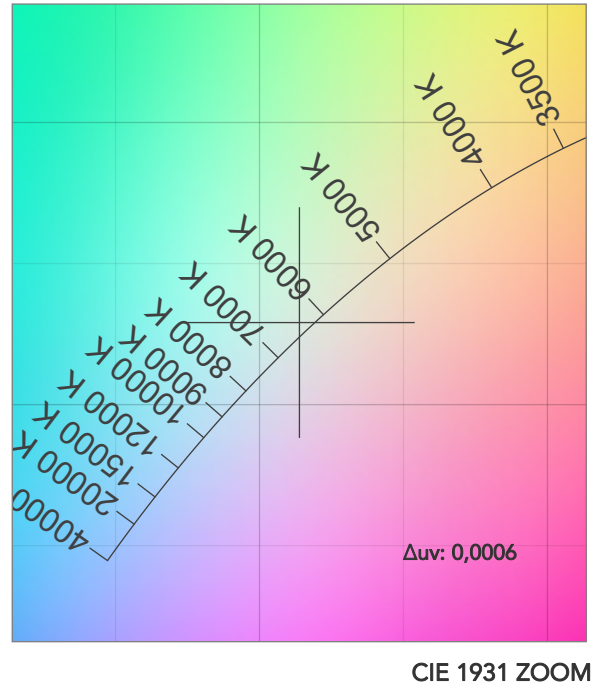
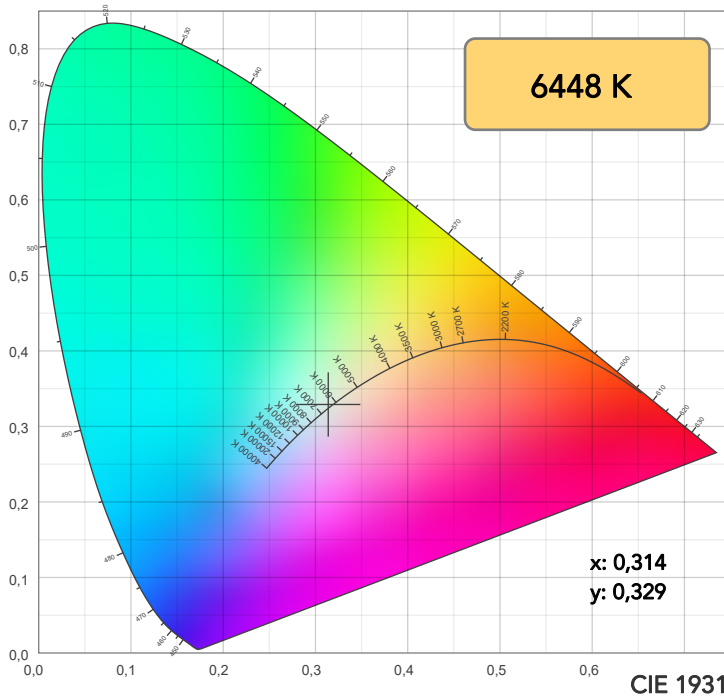
Field angle 10%: 78,1°

Cut off angle 2.5%: 113,7°

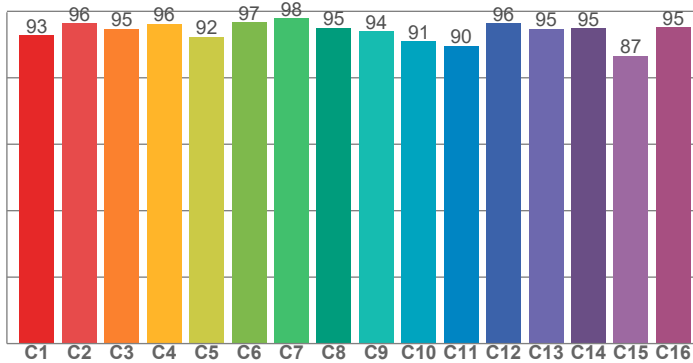
Spectra



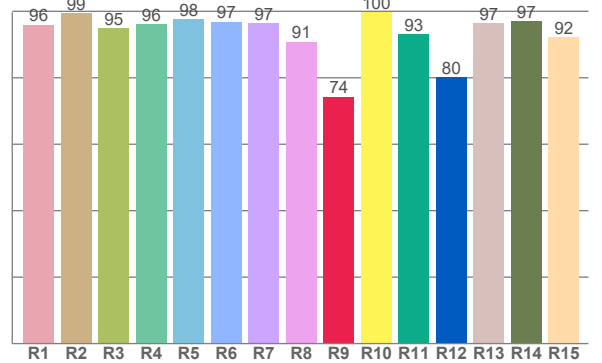
COLOR DETAILS



TM30: 93,8



CRI: 96,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,9	99,5	95,0	96,0	97,6	96,8	96,5	90,8	74,3	99,7	93,2	80,1	96,5	97,0	92,1

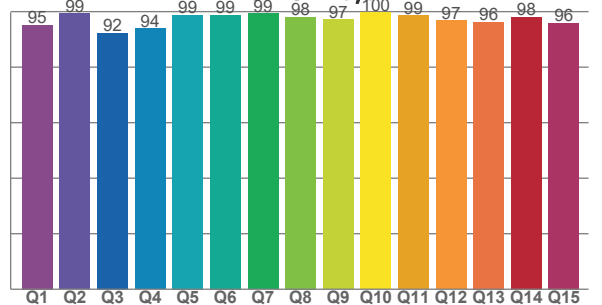
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

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
6448 K	96,0	74,3	93,8	102,2	96,5	98	0,314	0,329	0,0006

TM30 DETAILS

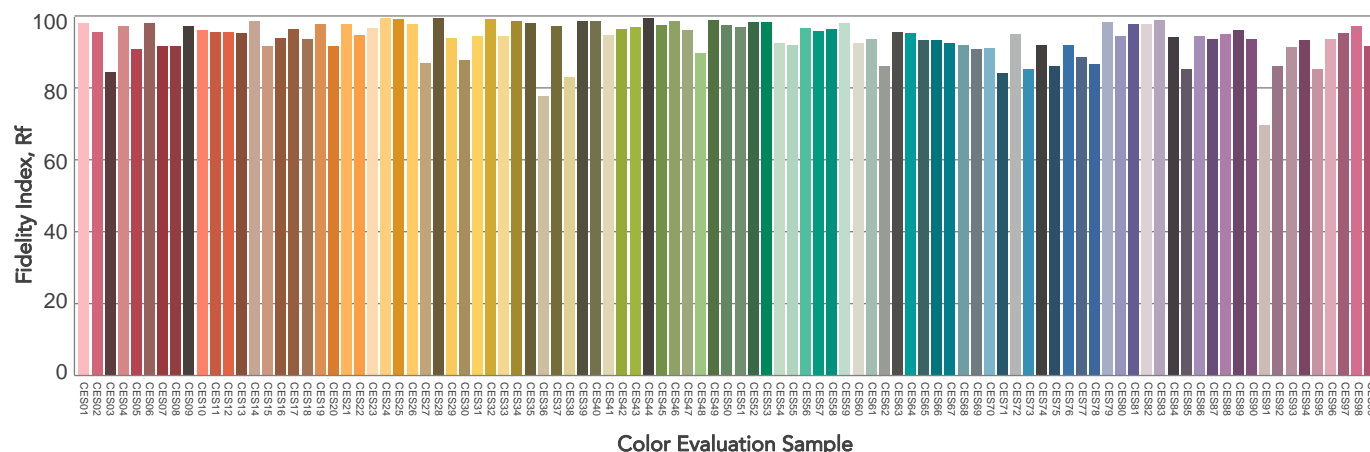
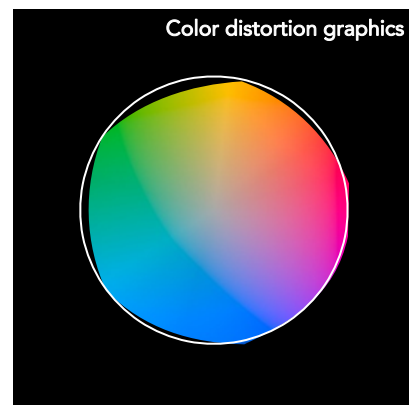
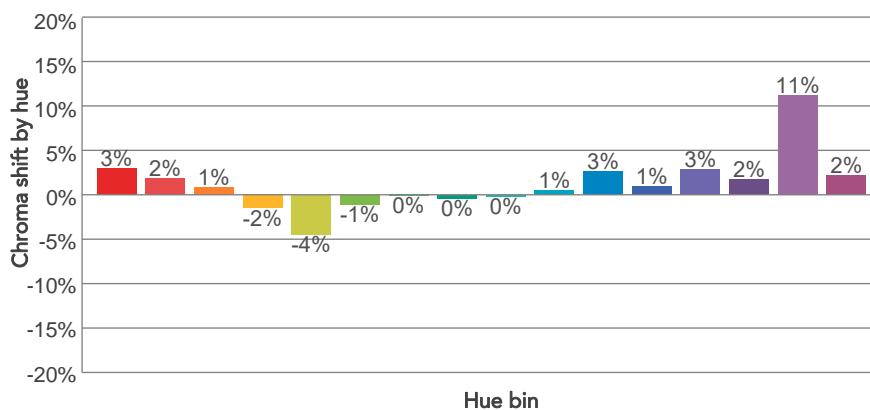
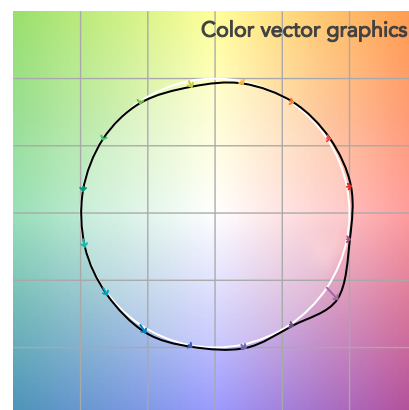
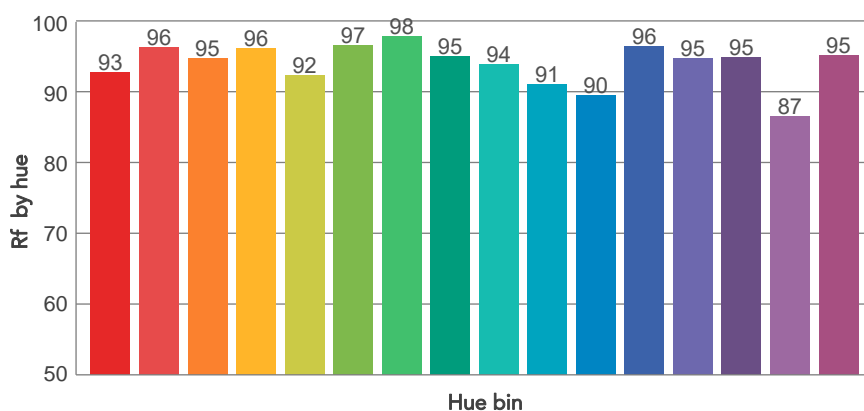
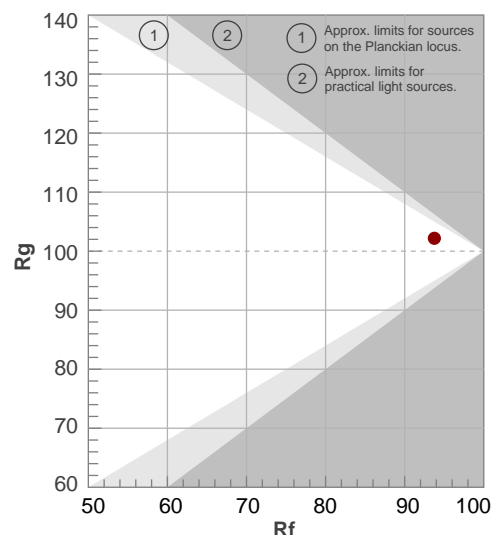
Rf 93,8

Fidelity index Rf

Rg 102,2

Gammut index

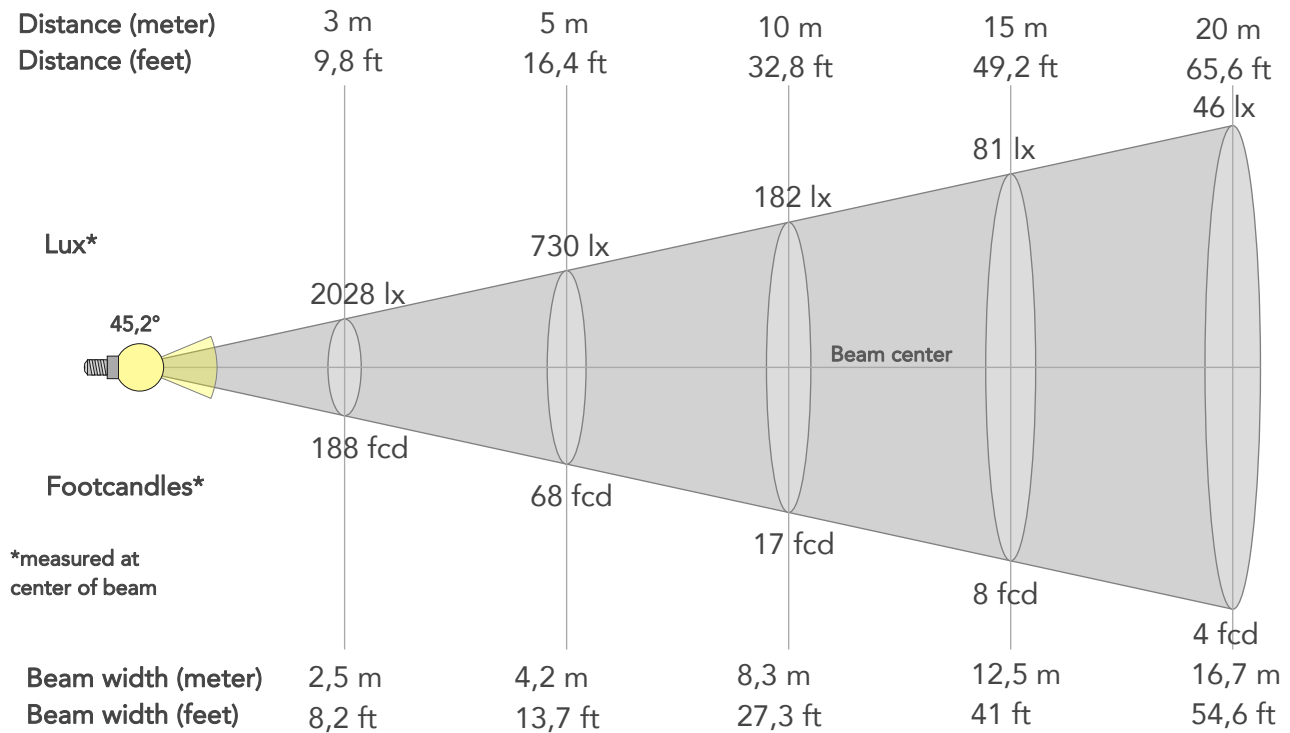
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	3%	0%
2	96	2%	-1%
3	95	1%	-2%
4	96	-2%	-2%
5	92	-4%	-1%
6	97	-1%	1%
7	98	0%	1%
8	95	0%	3%
9	94	0%	6%
10	91	1%	6%
11	90	3%	6%
12	96	1%	2%
13	95	3%	3%
14	95	2%	1%
15	87	11%	-3%
16	95	2%	0%



BEAM DETAILS



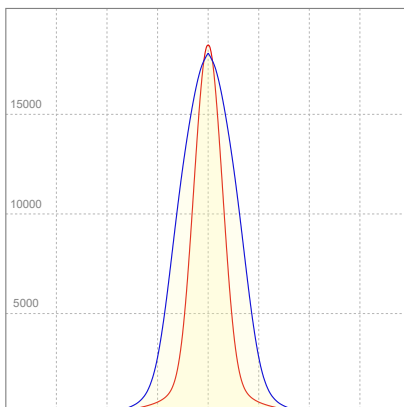
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,2°	78,1°	113,7°	95,1%	86,2%



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	18249lx	4562lx	2028lx	1141lx	730lx	324lx	182lx	81lx	46lx	29lx	20lx	11lx	7lx
Footcand.	1695fcd	424fcd	188fcd	106fcd	68fcd	30fcd	17fcd	8fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,2m	6,2m	8,3m	12,5m	16,7m	20,8m	25m	33,3m	41,6m
Beam wid.	2,7ft	5,5ft	8,2ft	10,9ft	13,7ft	20,5ft	27,3ft	41ft	54,6ft	68,3ft	82ft	109,3ft	136,6ft

LINEAR DISTRIBUTION DIAGRAM

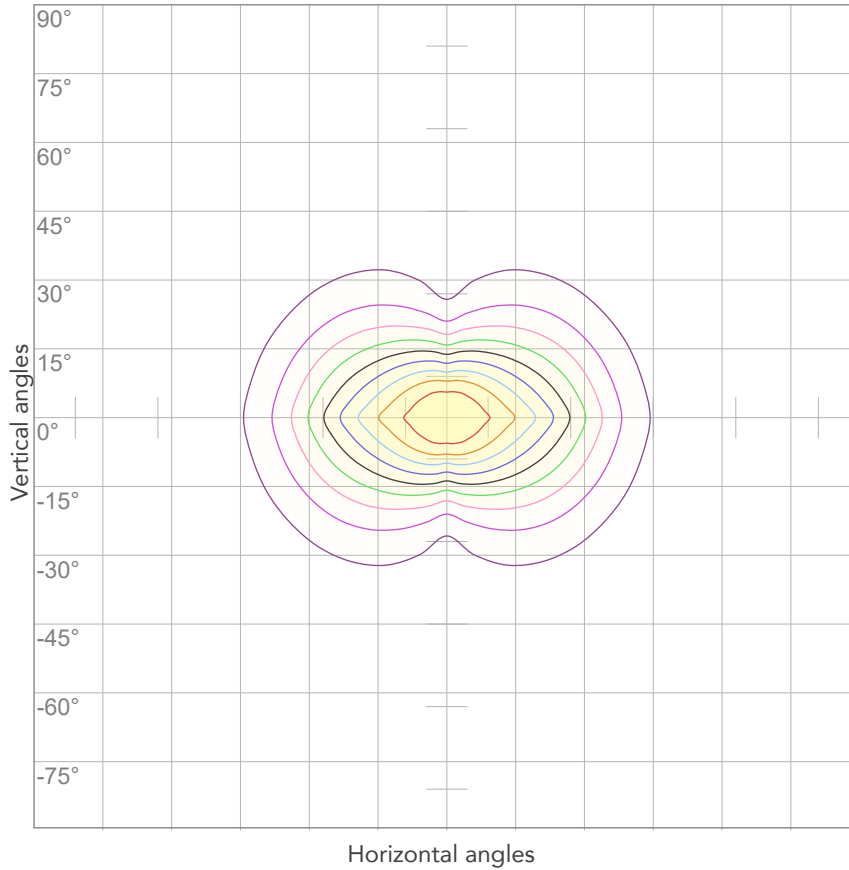


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,987A	211,5W	0,96	63lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



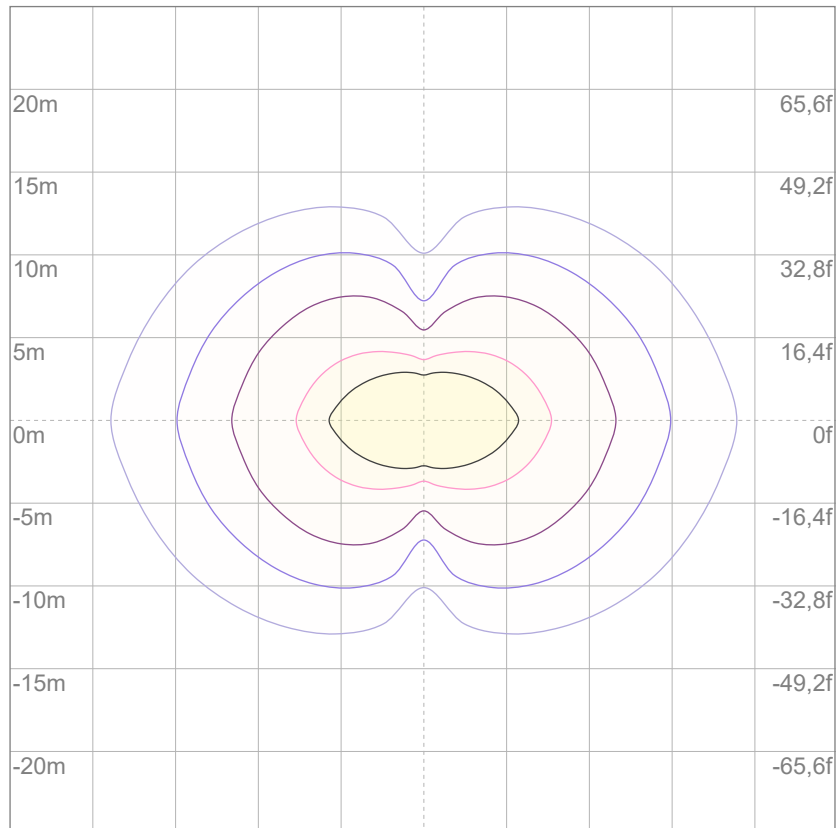
10%	1825 cd
20%	3650 cd
30%	5475 cd
40%	7300 cd
50%	9125 cd
60%	10950 cd
70%	12775 cd
80%	14600 cd

Conditions:

Number of c-planes: 4

Candela at center: 18249 cd

ISO LUX DIAGRAM



3%	5,47 lx
5%	9,12 lx
10%	18,2 lx
30%	54,7 lx
50%	91,2 lx

Conditions:

Number of c-planes: 4

Lux at center: 182 lx

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