

# Photometric Test Report



## ArcSpot XLVW

IP66 Spot featuring 13'000 lumen with  
61 x 4W Variable White source,  
15° Degree Lens

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## TESTING PROCESS

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

### **Prolights measurement instrument**

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

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

### **Prolights measurement software**

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

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



Total lumen output:

12571 lm

Peak candela output:

121086 cd

Light quality:

CRI: 96,1

Color temperature:

4449 K

**PRODUCT NAME:**

ARCSPOTXLW

**MEASURAMENT CONDITIONS:**

Beam angle:

15°

Target:

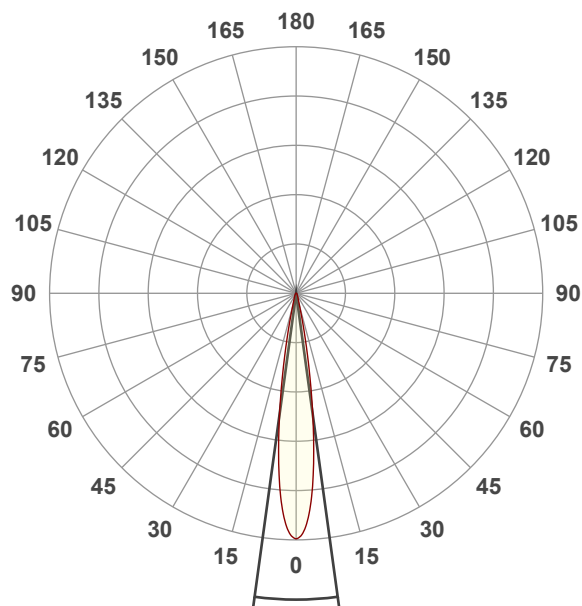
Full On

Operator:

Salvatore Giglio

Date and time:

16/05/2024 11:43:54

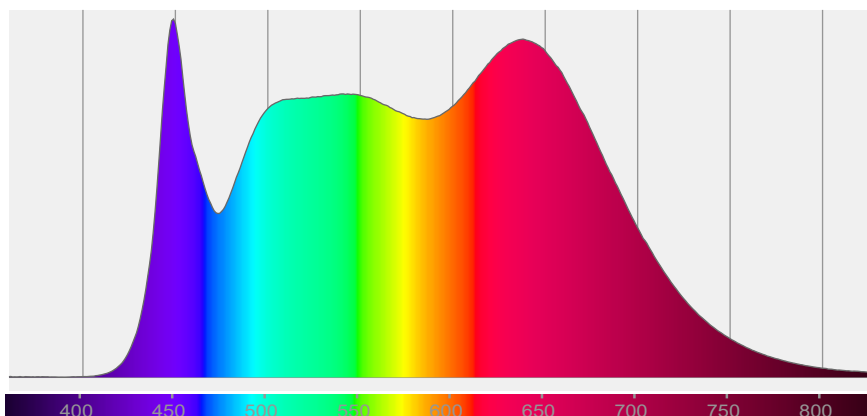


Beam angle 50%: 15,6°

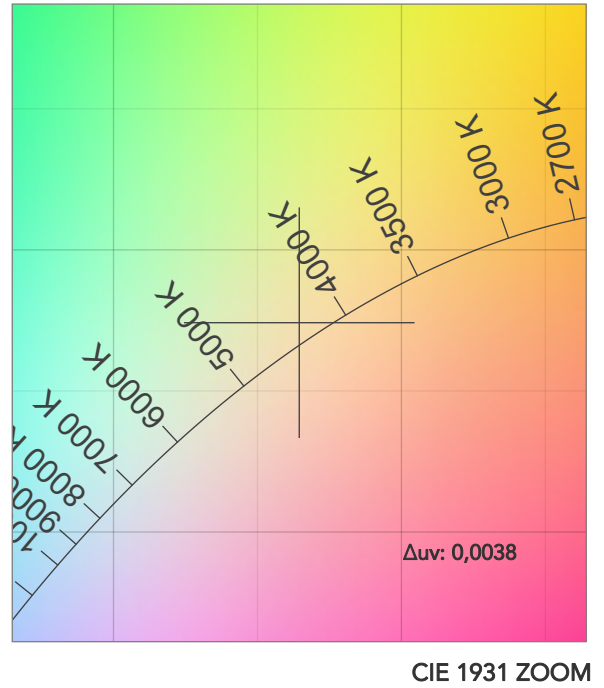
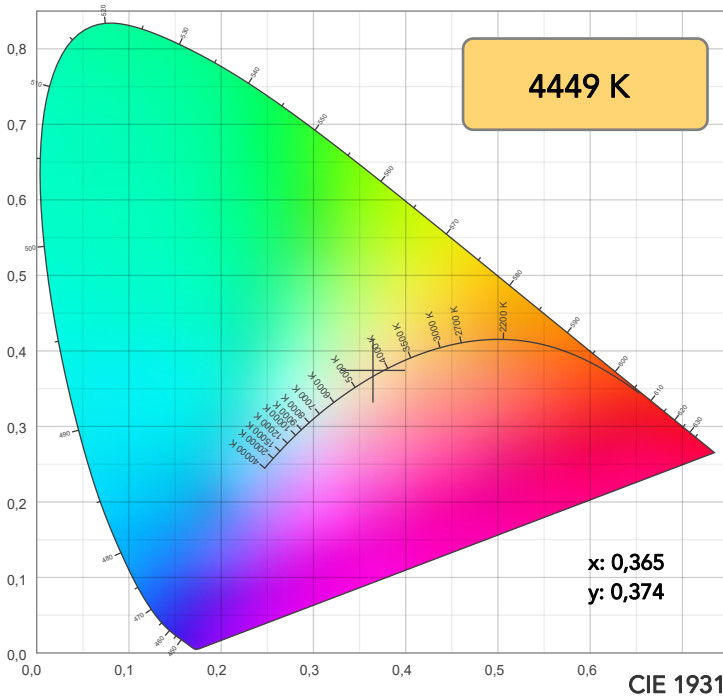
Field angle 10%: 26,4°

Cut off angle 2.5%: 40°

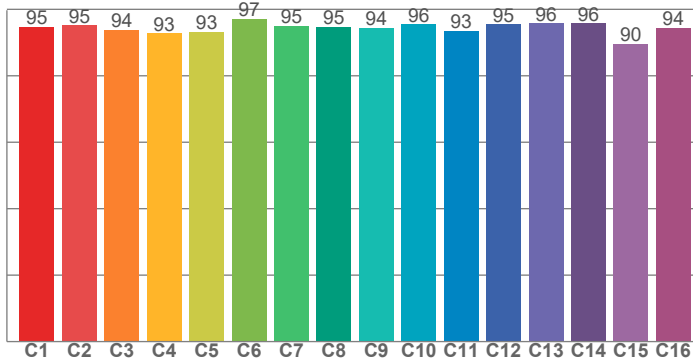
**Spectra**



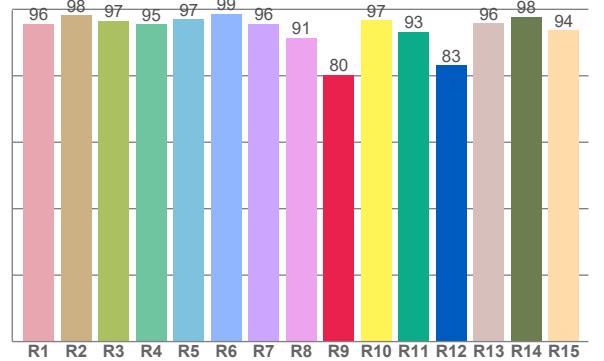
# COLOR DETAILS



TM30: 94,3



CRI: 96,1 (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
95,6	98,2	96,5	95,4	97,0	98,7	95,7	91,4	80,3	96,8	93,3	83,2	95,8	97,7	93,7

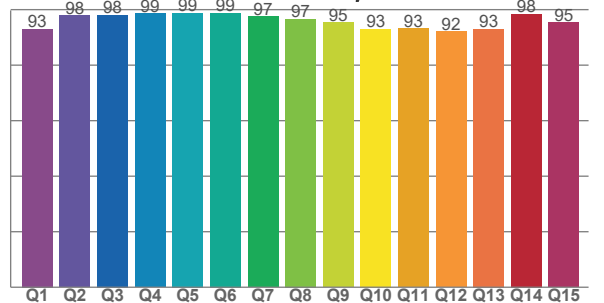
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 95,3



## COLOR PARAMETERS

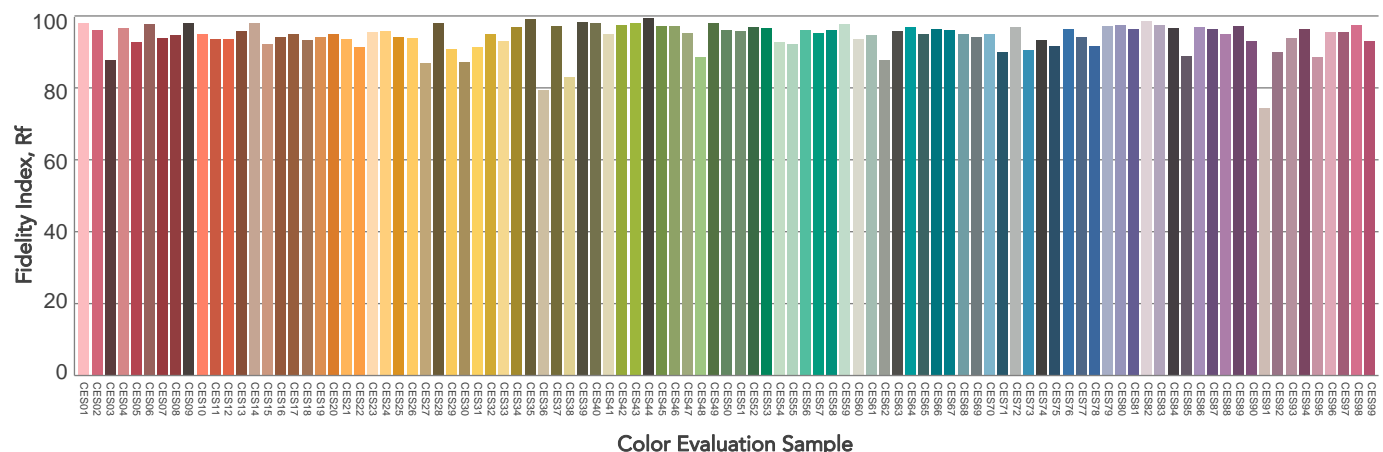
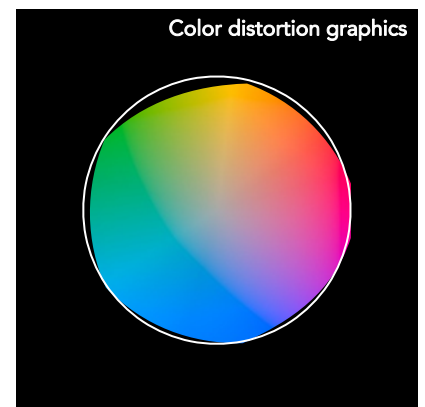
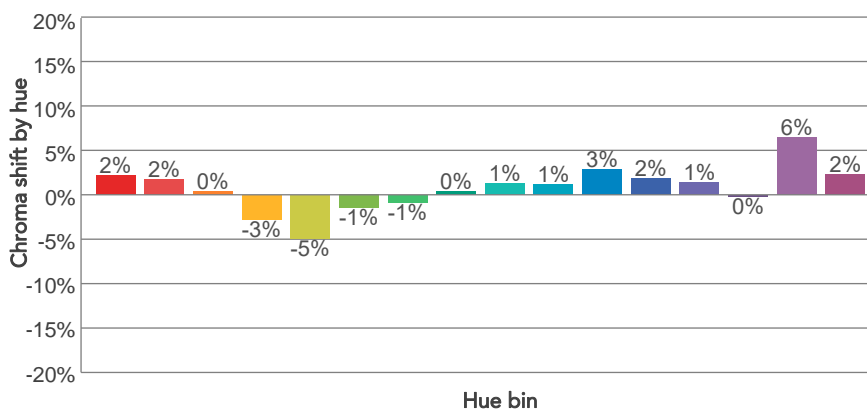
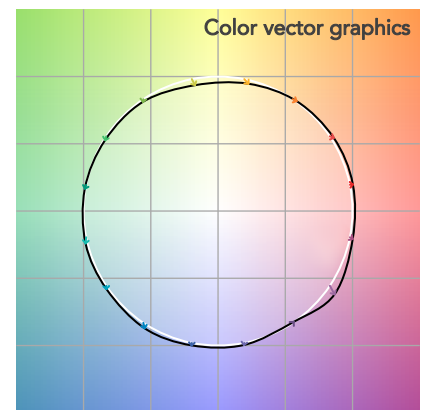
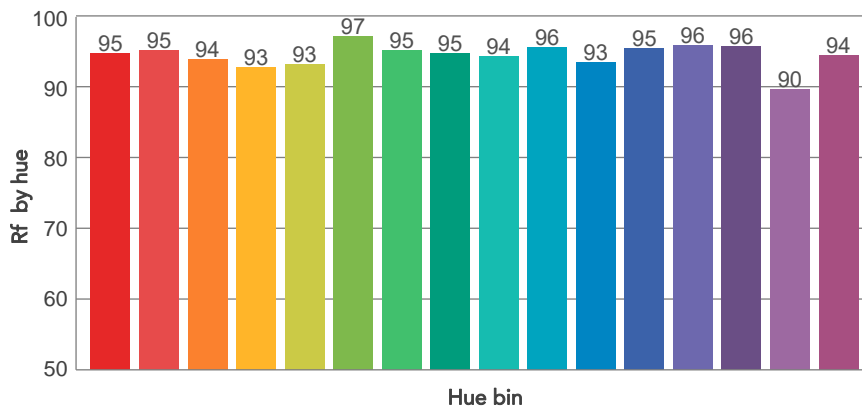
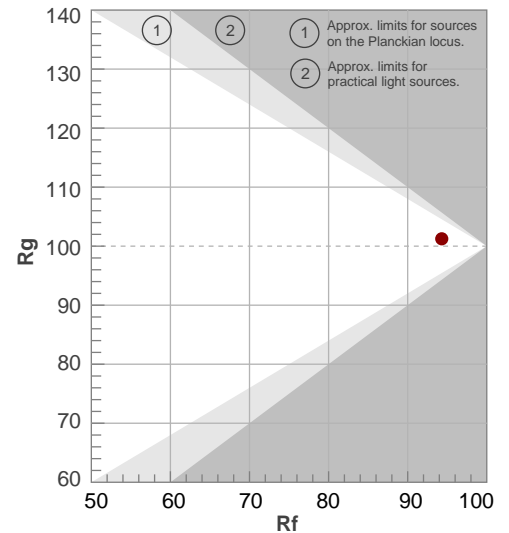
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
4449 K	96,1	80,3	94,3	101,2	95,3	99	0,365	0,374	0,0038

# TM30 DETAILS

**Rf 94,3**  
Fidelity index Rf

**Rg 101,2**  
Gammut index

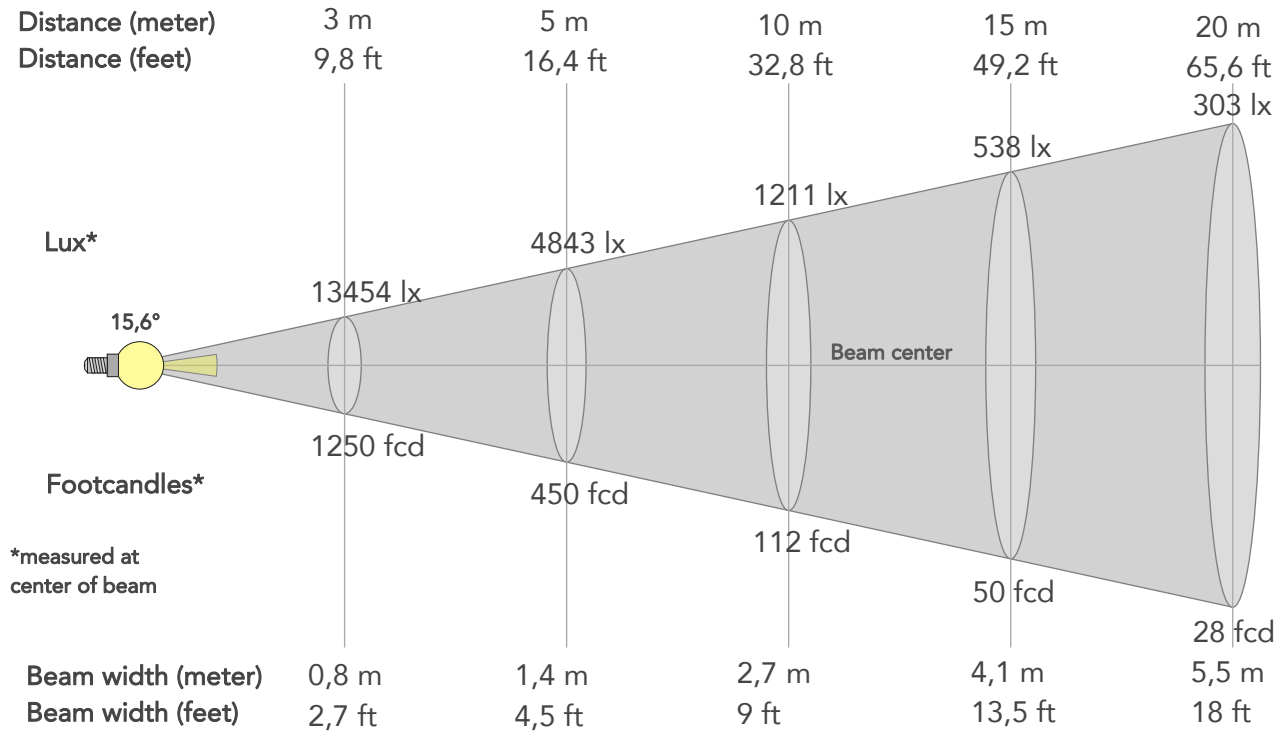
		Graphic shifts (%)	
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	95	2%	0%
2	95	2%	-3%
3	94	0%	-3%
4	93	-3%	-4%
5	93	-5%	-1%
6	97	-1%	1%
7	95	-1%	3%
8	95	0%	3%
9	94	1%	4%
10	96	1%	2%
11	93	3%	3%
12	95	2%	0%
13	96	1%	-1%
14	96	0%	1%
15	90	6%	-3%
16	94	2%	-1%



# BEAM DETAILS



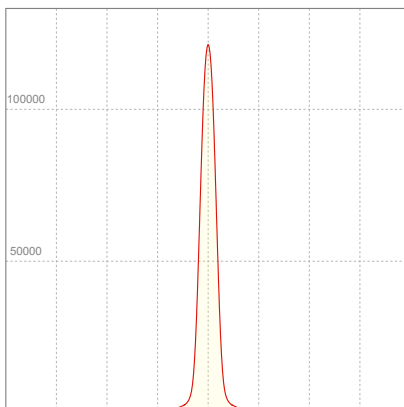
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,6°	26,4°	40°	95,1%	90,7%



## 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	121086lx	30272lx	13454lx	7568lx	4843lx	2153lx	1211lx	538lx	303lx	194lx	135lx	76lx	48lx
Footcand.	11249fcd	2812fcd	1250fcd	703fcd	450fcd	200fcd	112fcd	50fcd	28fcd	18fcd	12fcd	7fcd	4fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,4m	2,1m	2,7m	4,1m	5,5m	6,8m	8,2m	11m	13,7m
Beam wid.	0,9ft	1,8ft	2,7ft	3,6ft	4,5ft	6,7ft	9ft	13,5ft	18ft	22,5ft	26,9ft	35,9ft	44,9ft

## LINEAR DISTRIBUTION DIAGRAM

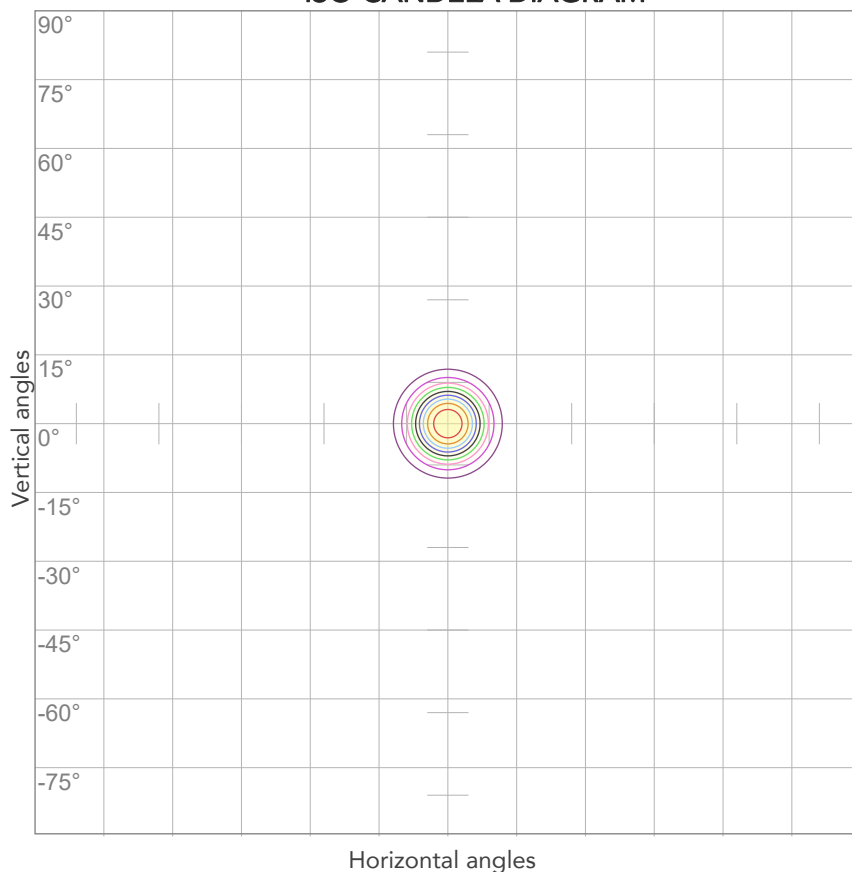


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	1,02A	219W	0,95	57lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



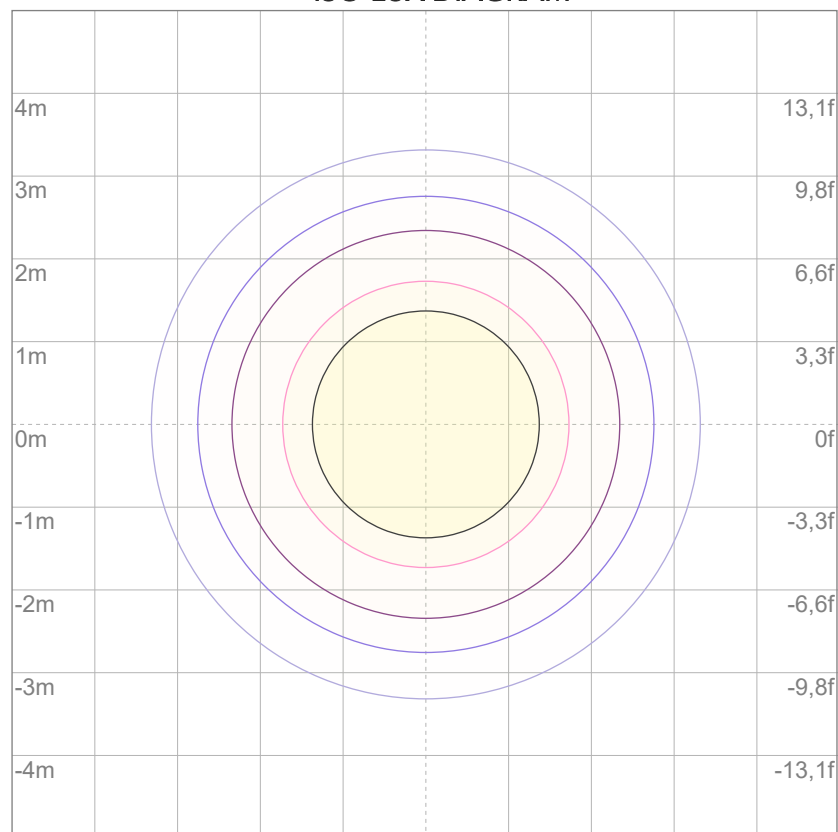
10%	12109 cd
20%	24217 cd
30%	36326 cd
40%	48435 cd
50%	60543 cd
60%	72652 cd
70%	84760 cd
80%	96869 cd

### Conditions:

Number of c-planes: 2

Candela at center: 121086 cd

## ISO LUX DIAGRAM



3%	36,3 lx
5%	60,5 lx
10%	121 lx
30%	363 lx
50%	605 lx

### Conditions:

Number of c-planes: 2

Lux at center: 1211 lx

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





Total lumen output:

9650 lm

Peak candela output:

93891 cd

Light quality:

CRI: 96,9

Color temperature:

2611 K

**PRODUCT NAME:**

ARCSPOTXLVW

**MEASURAMENT CONDITIONS:**

Beam angle:

15°

Target:

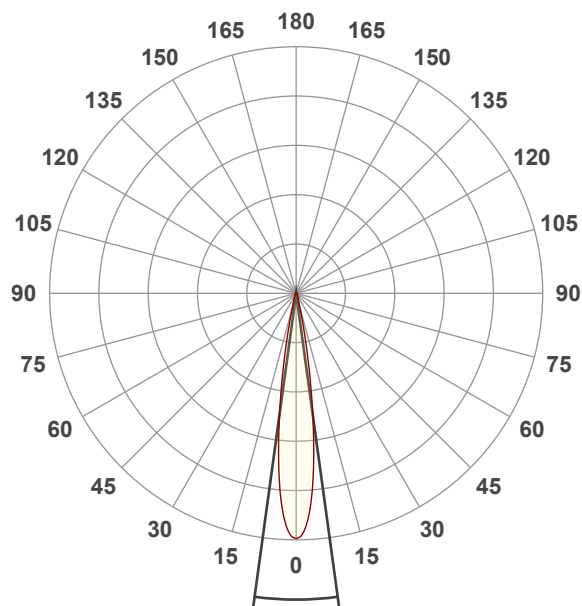
Warm White

Operator:

Salvatore Giglio

Date and time:

16/05/2024 11:45:11

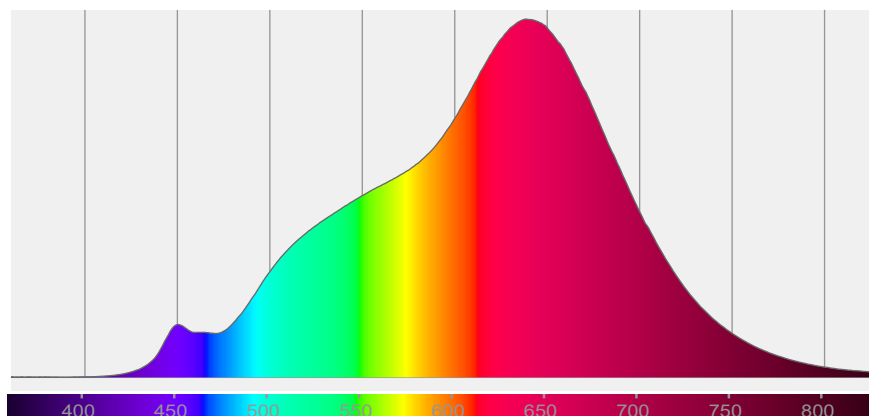


Beam angle 50%: 15,6°

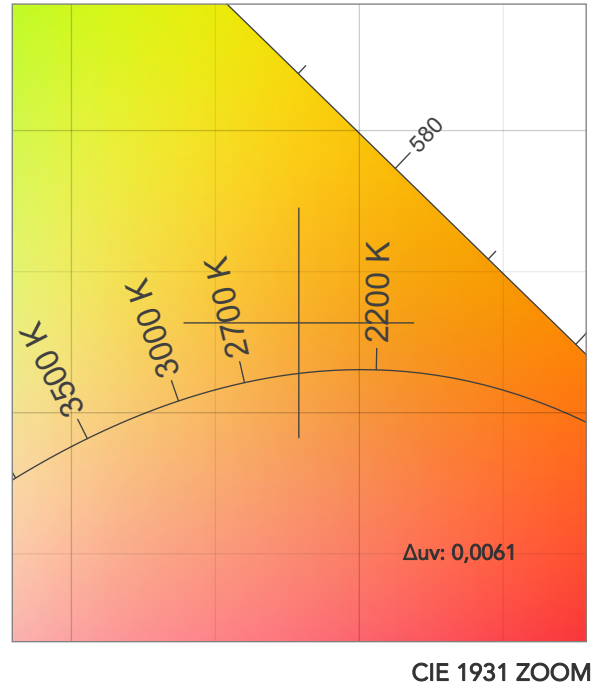
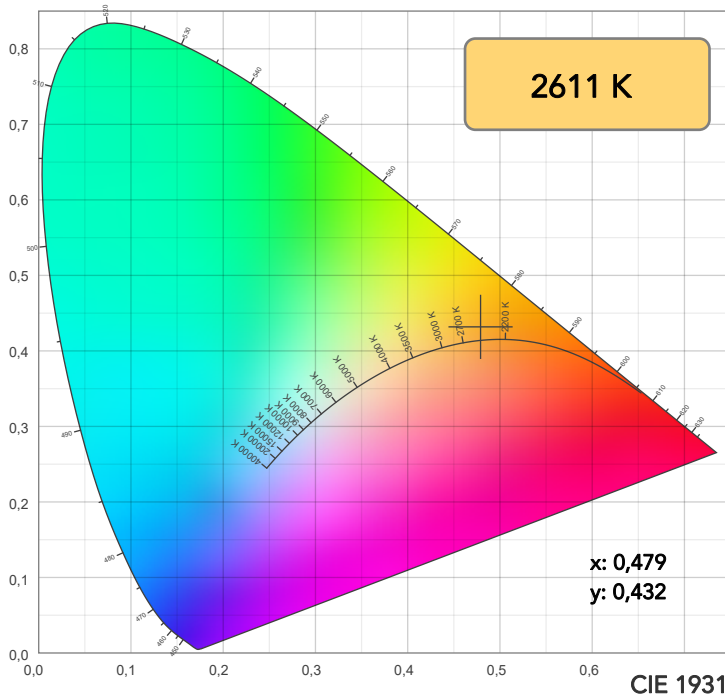
Field angle 10%: 26,4°

Cut off angle 2.5%: 40°

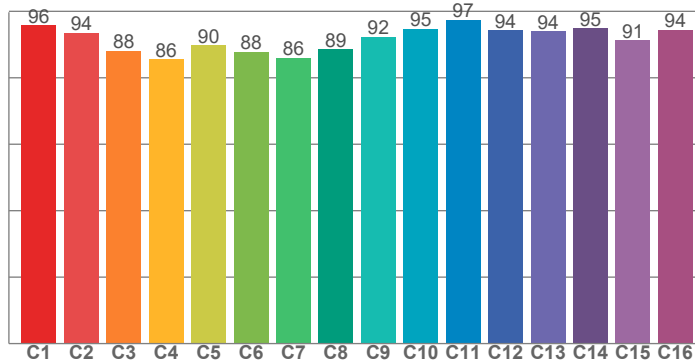
**Spectra**



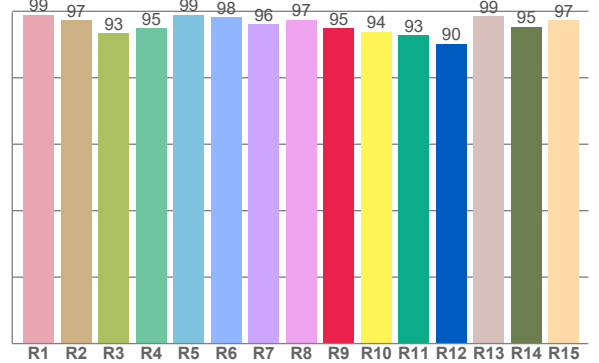
## COLOR DETAILS



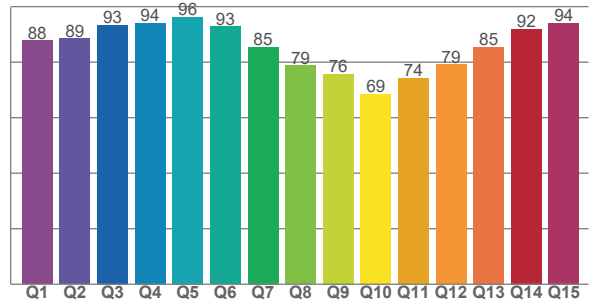
**TM30: 91,9**



**CRI: 96,9 (R1-R8)**



**CQS: 83,1**



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,9	97,3	93,3	94,9	99,0	98,3	96,1	97,5	95,0	93,8	92,8	90,3	98,6	95,4	97,3

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,8	93,6	88,1	85,5	89,7	87,8	86,0	88,5	92,3	94,7	97,4	94,2	94,0	94,8	91,3	94,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87,8	88,5	93,4	94,2	96,3	92,8	85,4	78,8	75,8	68,5	74,3	79,2	85,4	91,9	94,1

## COLOR PARAMETERS

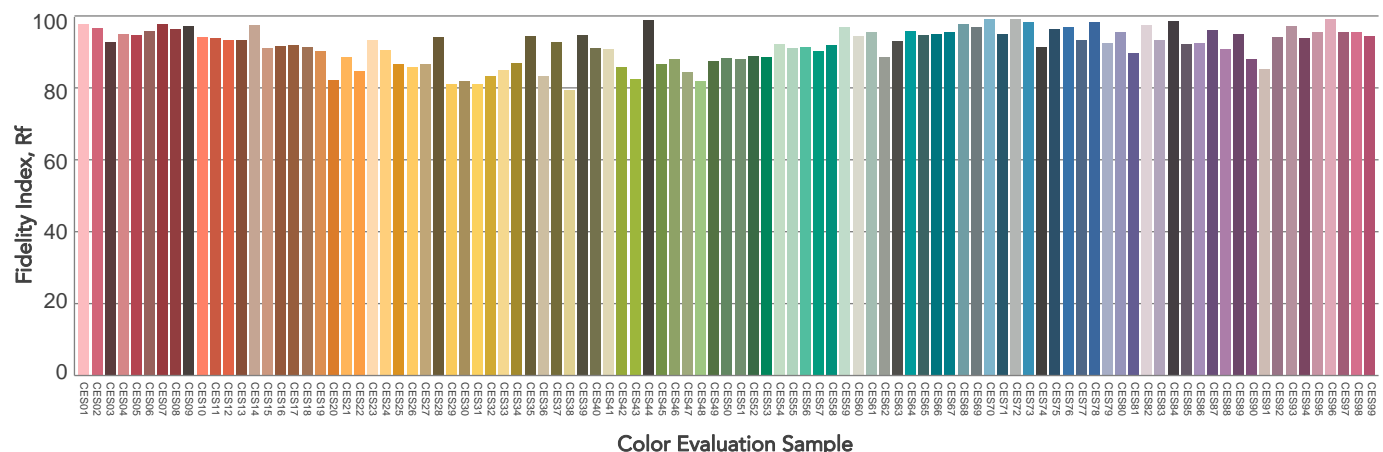
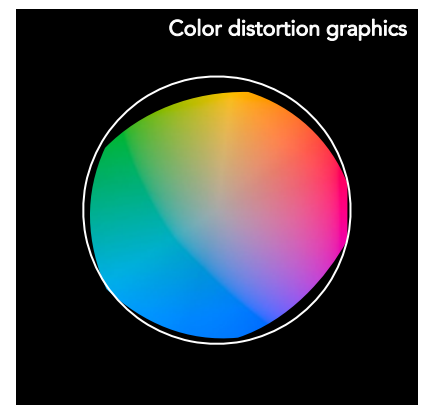
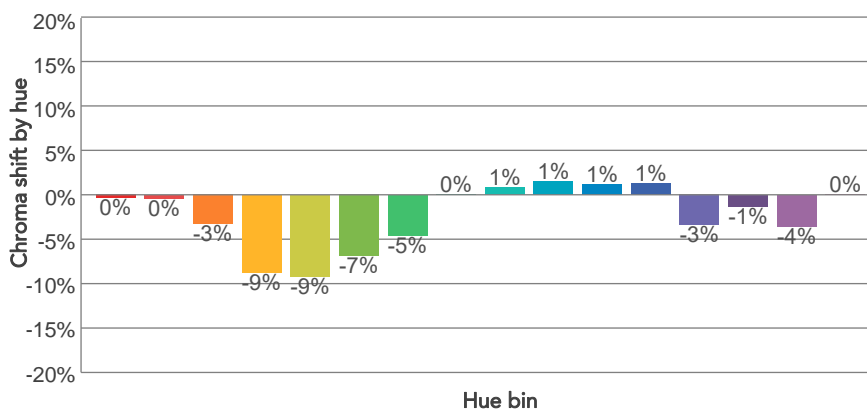
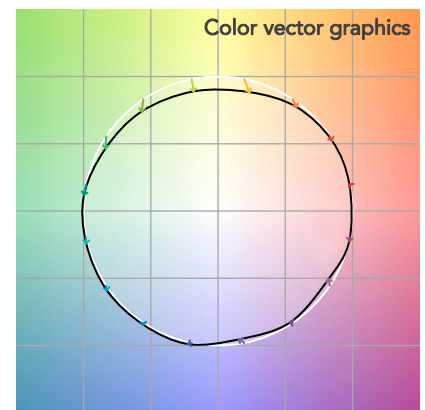
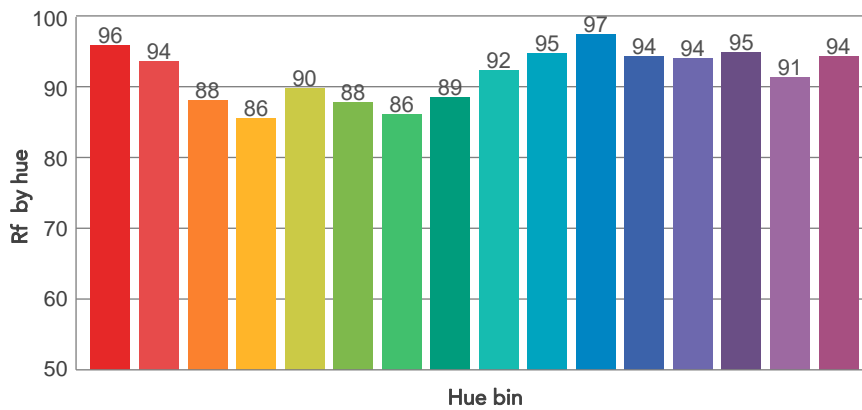
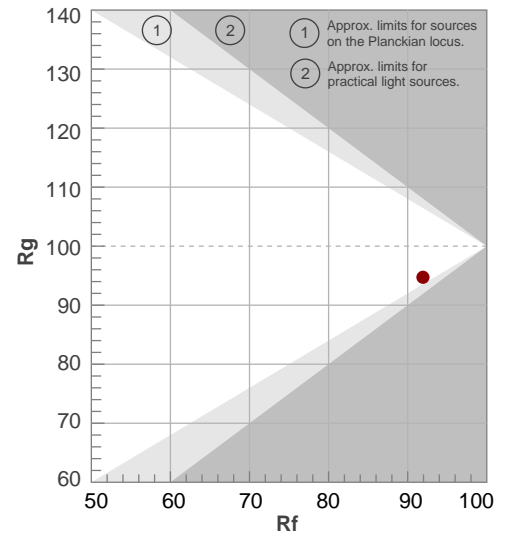
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
2611 K	96,9	95,0	91,9	94,7	83,1	95	0,479	0,432	0,0061

# TM30 DETAILS

**Rf 91,9**  
Fidelity index Rf

**Rg 94,7**  
Gammut index

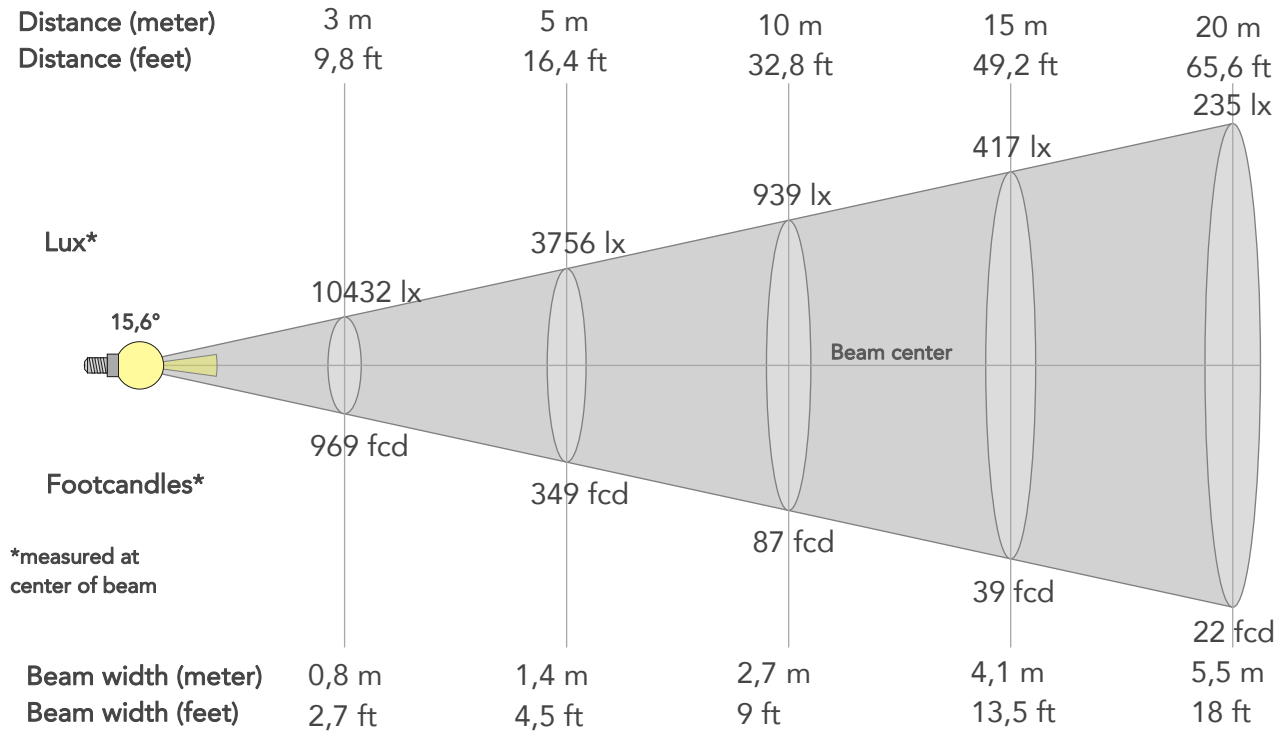
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	0%
2	94	0%	-4%
3	88	-3%	-5%
4	86	-9%	-6%
5	90	-9%	0%
6	88	-7%	6%
7	86	-5%	8%
8	89	0%	8%
9	92	1%	4%
10	95	1%	3%
11	97	1%	1%
12	94	1%	-3%
13	94	-3%	-3%
14	95	-1%	-1%
15	91	-4%	4%
16	94	0%	-3%



# BEAM DETAILS



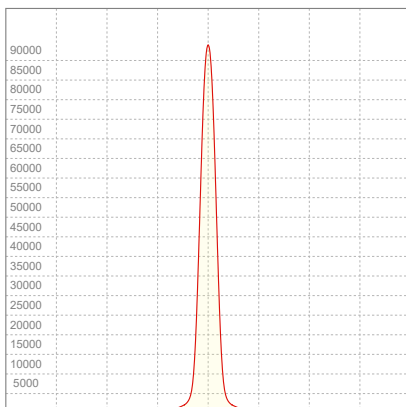
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,6°	26,4°	40°	96,2%	91,7%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	93891lx	23473lx	10432lx	5868lx	3756lx	1669lx	939lx	417lx	235lx	150lx	104lx	59lx	38lx
Footcand.	8723fcd	2181fcd	969fcd	545fcd	349fcd	155fcd	87fcd	39fcd	22fcd	14fcd	10fcd	5fcd	3fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,4m	2,1m	2,7m	4,1m	5,5m	6,8m	8,2m	11m	13,7m
Beam wid.	0,9ft	1,8ft	2,7ft	3,6ft	4,5ft	6,7ft	9ft	13,5ft	18ft	22,4ft	26,9ft	35,9ft	44,9ft

## LINEAR DISTRIBUTION DIAGRAM

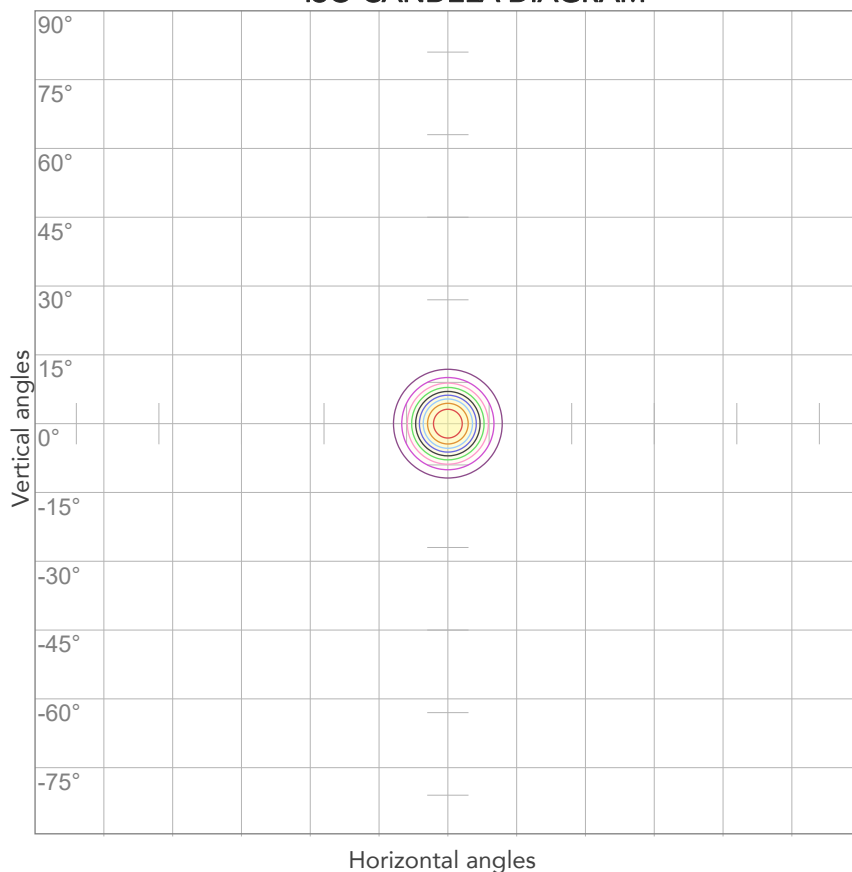


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,000A	0,00W	n/a	n/alm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



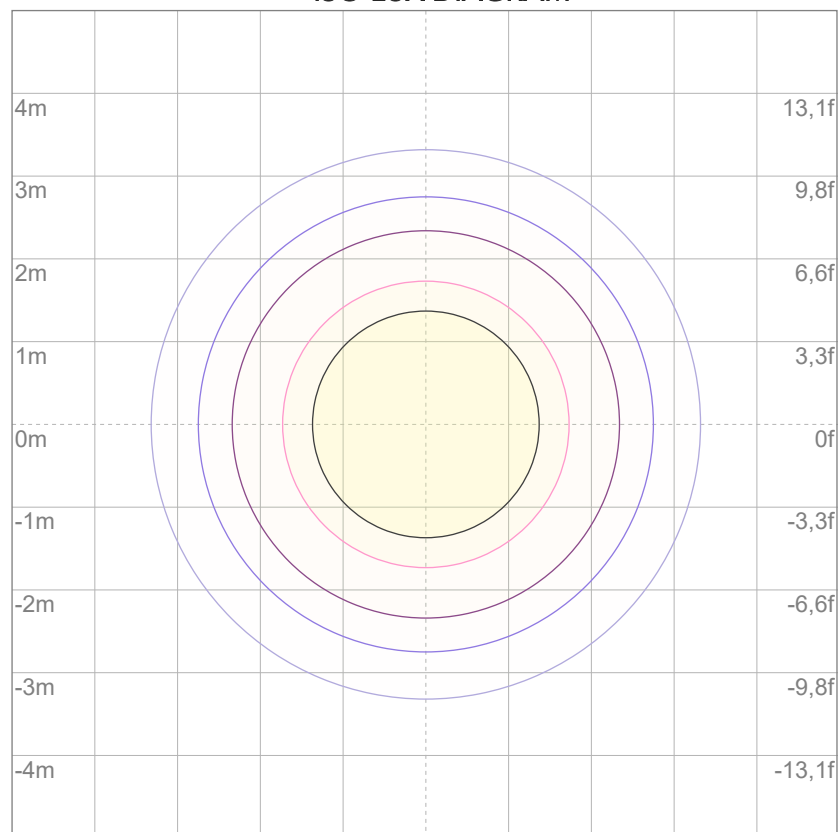
10%	9389 cd
20%	18778 cd
30%	28167 cd
40%	37556 cd
50%	46945 cd
60%	56334 cd
70%	65724 cd
80%	75113 cd

### Conditions:

Number of c-planes: 2

Candela at center: 93891 cd

## ISO LUX DIAGRAM



3%	28,2 lx
5%	46,9 lx
10%	93,9 lx
30%	282 lx
50%	469 lx

### Conditions:

Number of c-planes: 2

Lux at center: 939 lx

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



Total lumen output:

13640 lm

Peak candela output:

134283 cd

Light quality:

CRI: 94,9

Color temperature:

6993 K

**PRODUCT NAME:**

ARCSPOTXLVW

**MEASURAMENT CONDITIONS:**

Beam angle:

15°

Target:

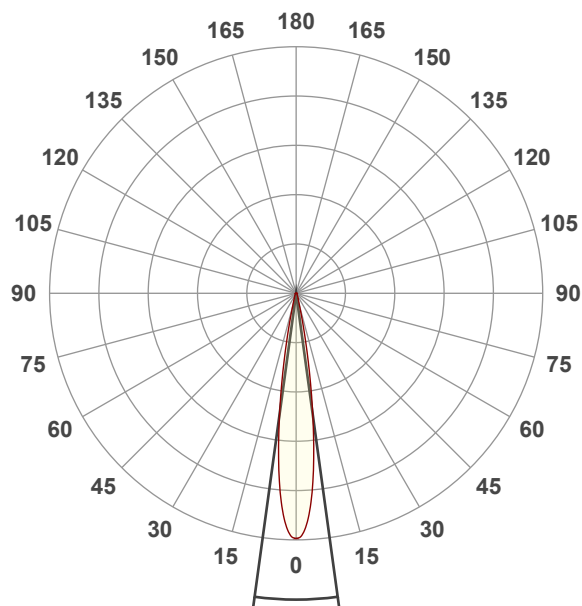
Cold White

Operator:

Salvatore Giglio

Date and time:

16/05/2024 11:46:32

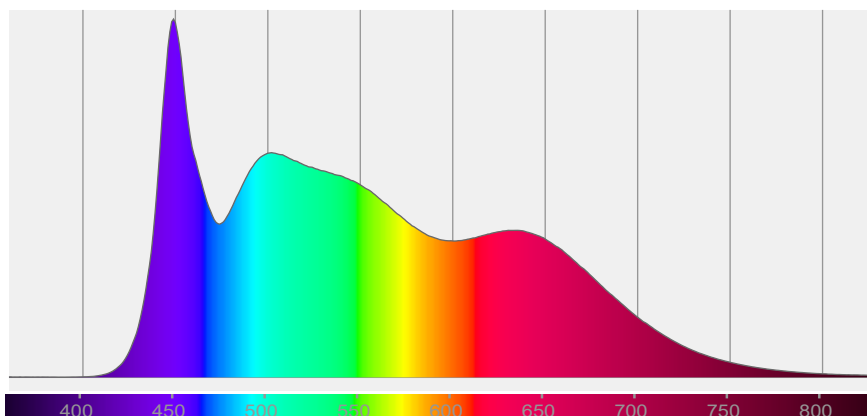


Beam angle 50%: 15,6°

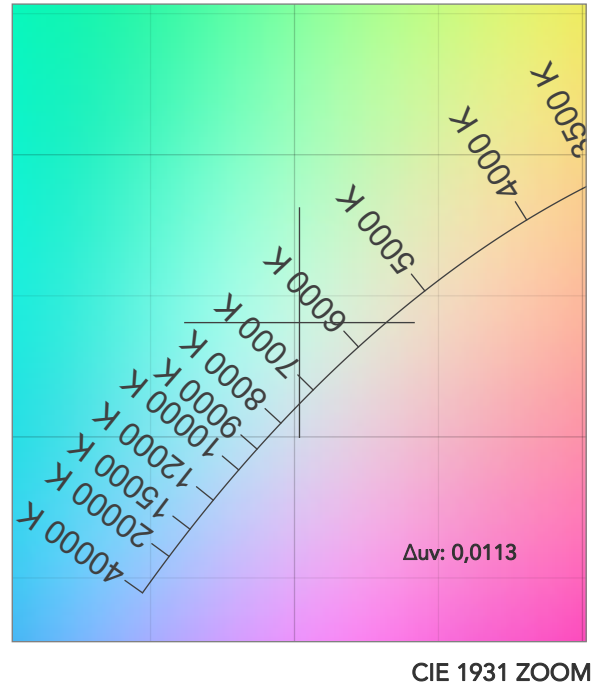
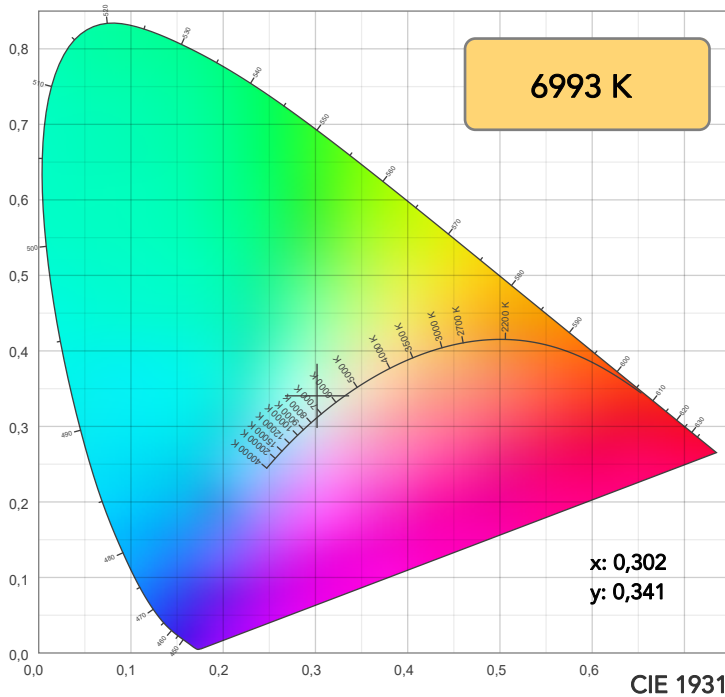
Field angle 10%: 26,4°

Cut off angle 2.5%: 39,8°

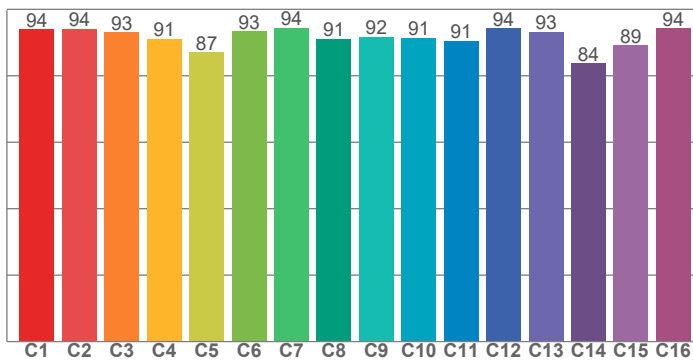
**Spectra**



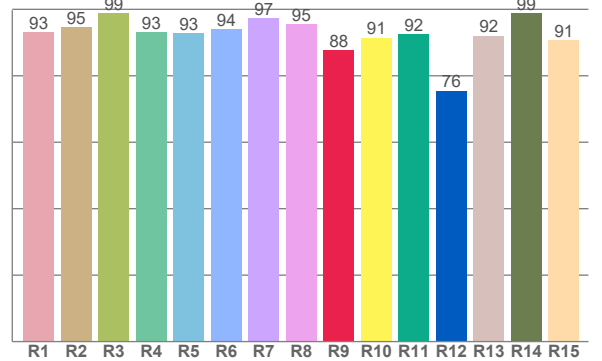
## COLOR DETAILS



TM30: 91,7



CRI: 94,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,2	94,7	98,9	93,0	92,9	93,9	97,2	95,5	87,6	91,5	92,4	75,5	92,0	98,8	90,7

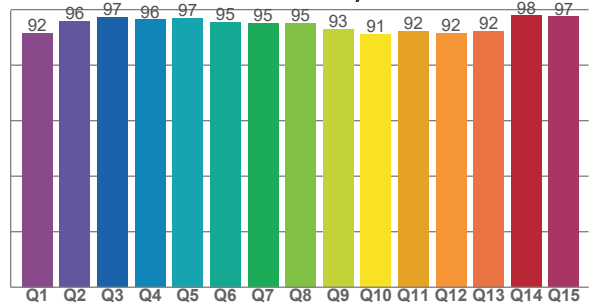
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,9	94,1	93,1	91,1	87,1	93,4	94,4	91,1	91,7	91,4	90,6	94,2	93,3	83,8	89,2	94,3

CQS Q values

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

CQS: 94,1



## COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
6993 K	94,9	87,6	91,7	97,0	94,1	98	0,302	0,341	0,0113

## TM30 DETAILS

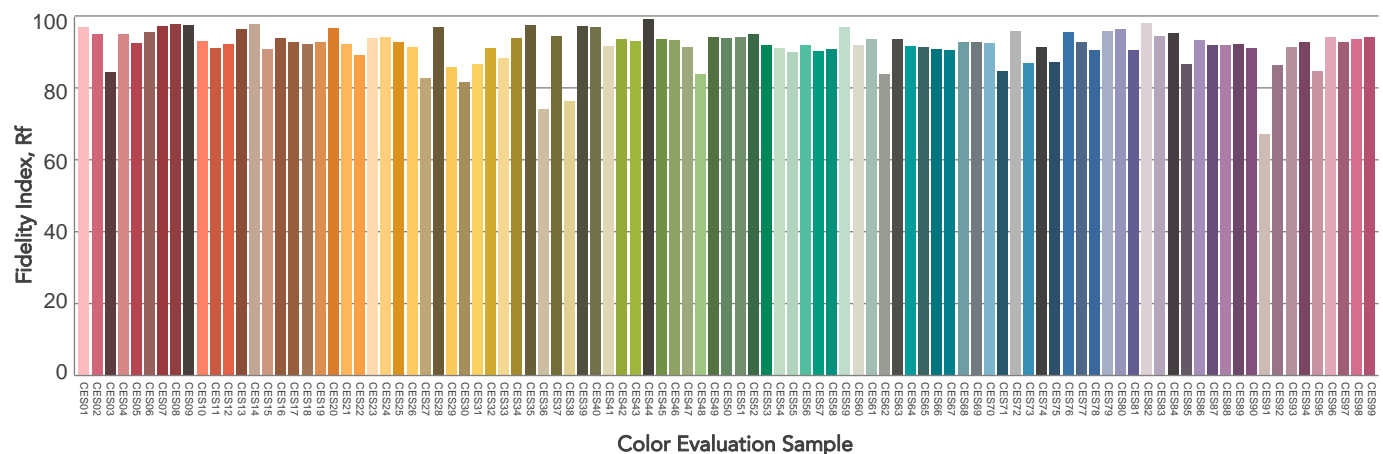
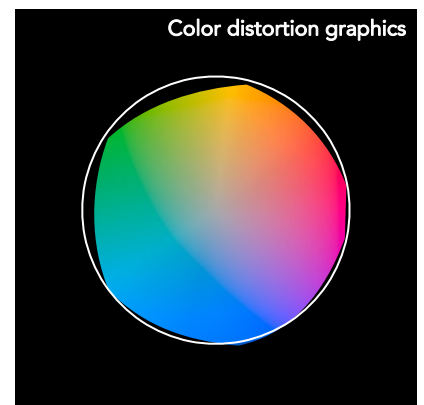
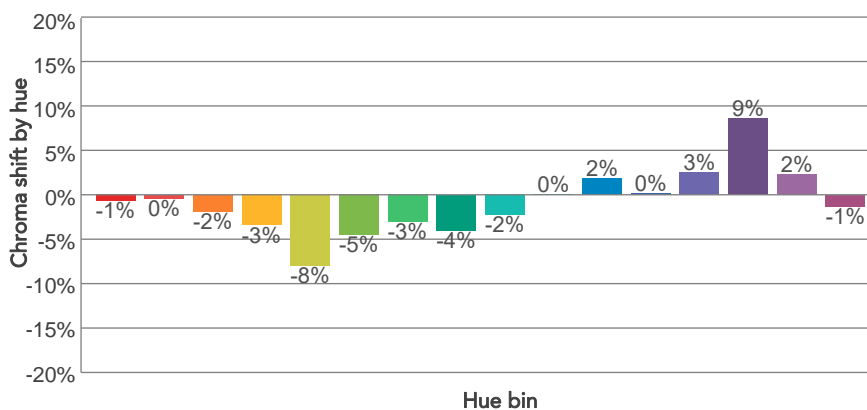
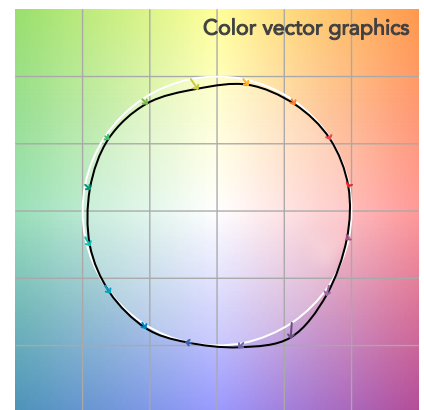
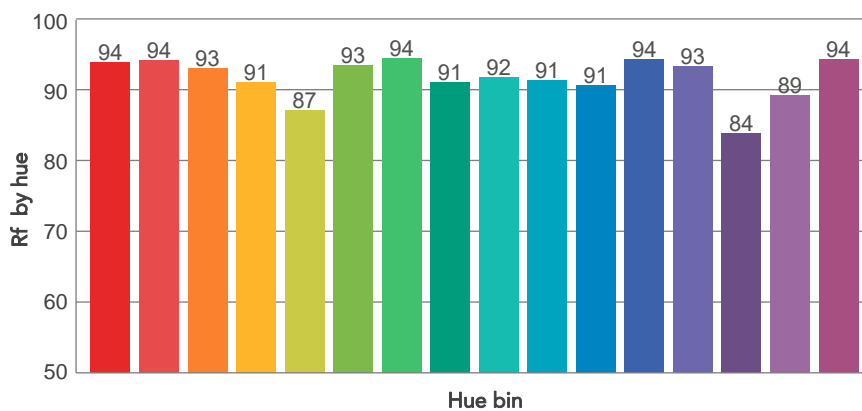
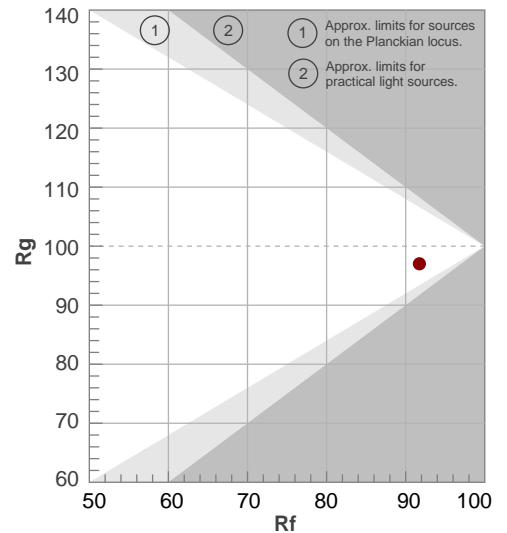
**Rf 91,7**

Fidelity index  $R_f$

Rg 97,0

## Gammut index

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

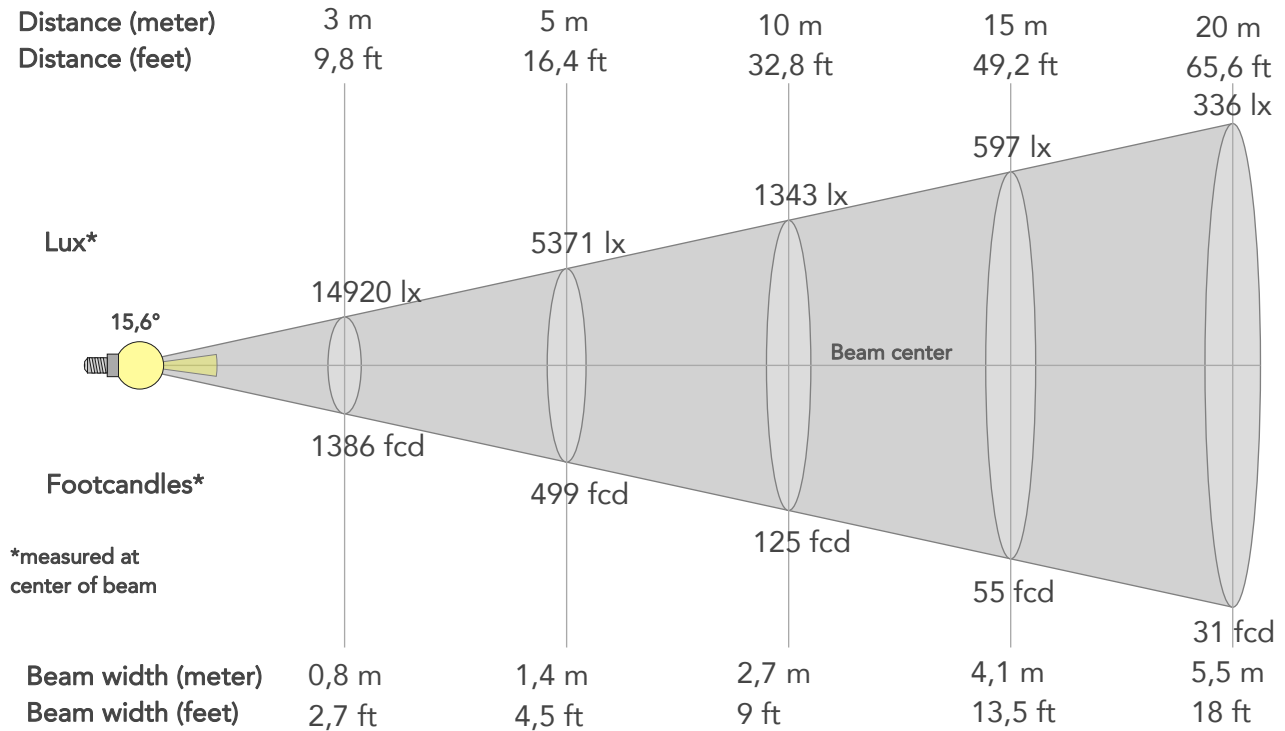




# BEAM DETAILS



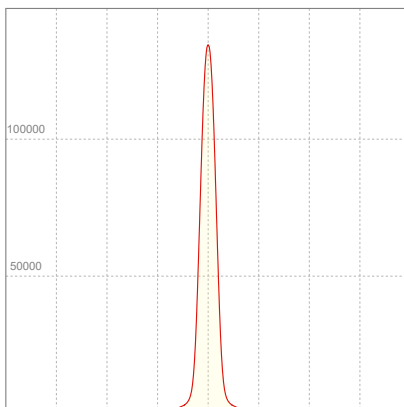
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,6°	26,4°	39,8°	96,6%	92,3%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	134283lx	33571lx	14920lx	8393lx	5371lx	2387lx	1343lx	597lx	336lx	215lx	149lx	84lx	54lx
Footcand.	12475fcd	3119fcd	1386fcd	780fcd	499fcd	222fcd	125fcd	55fcd	31fcd	20fcd	14fcd	8fcd	5fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,4m	2,1m	2,7m	4,1m	5,5m	6,8m	8,2m	11m	13,7m
Beam wid.	0,9ft	1,8ft	2,7ft	3,6ft	4,5ft	6,7ft	9ft	13,5ft	18ft	22,5ft	26,9ft	35,9ft	44,9ft

## LINEAR DISTRIBUTION DIAGRAM

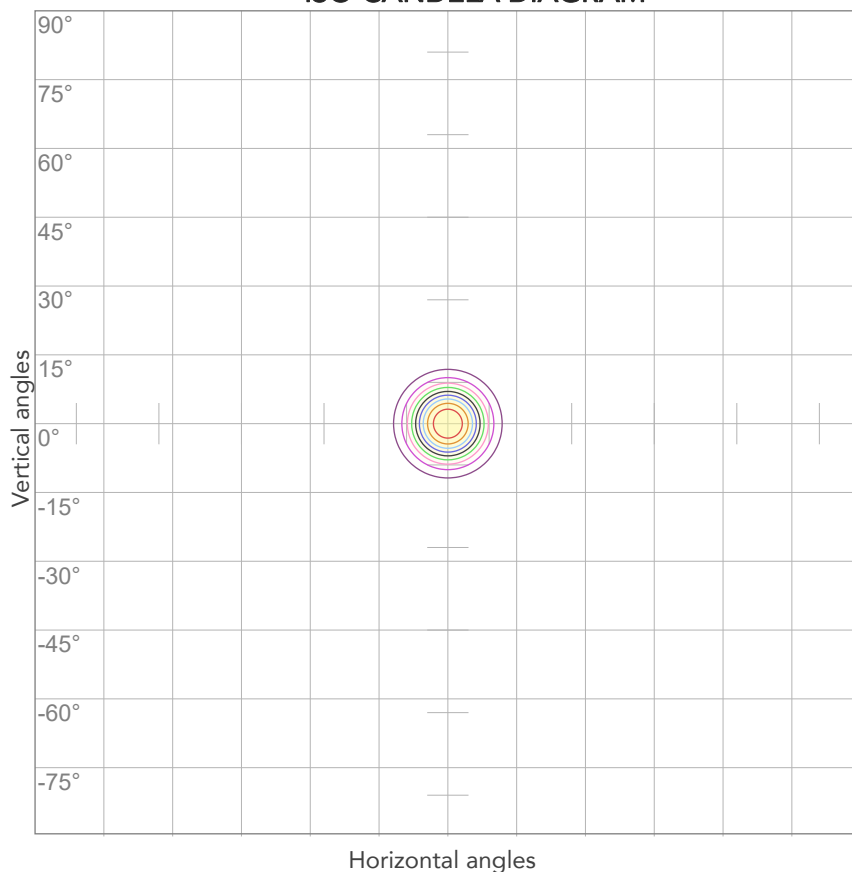


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,000A	0,00W	n/a	n/alm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



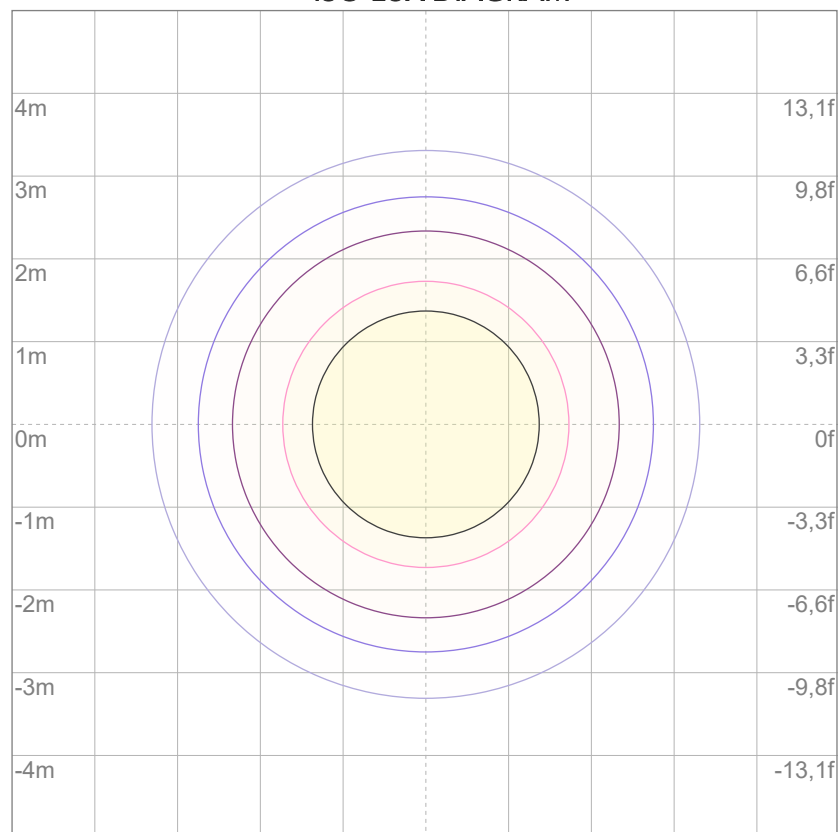
10%	13428 cd
20%	26857 cd
30%	40285 cd
40%	53713 cd
50%	67142 cd
60%	80570 cd
70%	93998 cd
80%	107426 cd

### Conditions:

Number of c-planes: 2

Candela at center: 134283 cd

## ISO LUX DIAGRAM



3%	40,3 lx
5%	67,1 lx
10%	134 lx
30%	403 lx
50%	671 lx

### Conditions:

Number of c-planes: 2

Lux at center: 1343 lx

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



Total lumen output:

10067 lm

Peak candela output:

97754 cd

Light quality:

CRI: 97,2

Color temperature:

2701 K

**PRODUCT NAME:**

ARCSPOTXLVW

**MEASURAMENT CONDITIONS:**

Beam angle:

15°

Target:

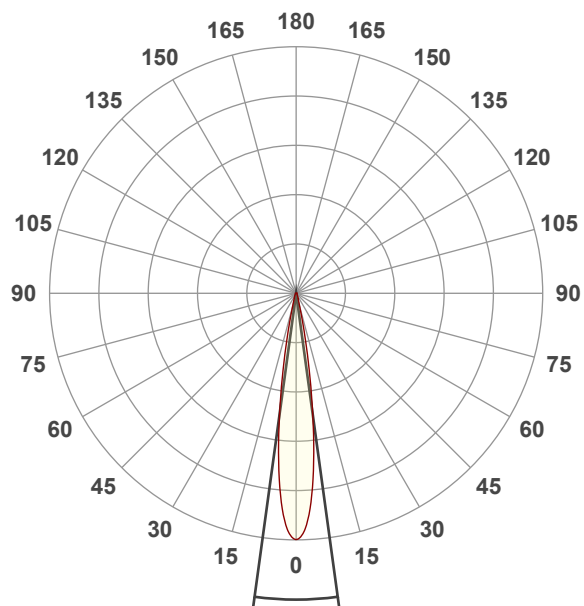
2700K

Operator:

Salvatore Giglio

Date and time:

16/05/2024 11:48:57

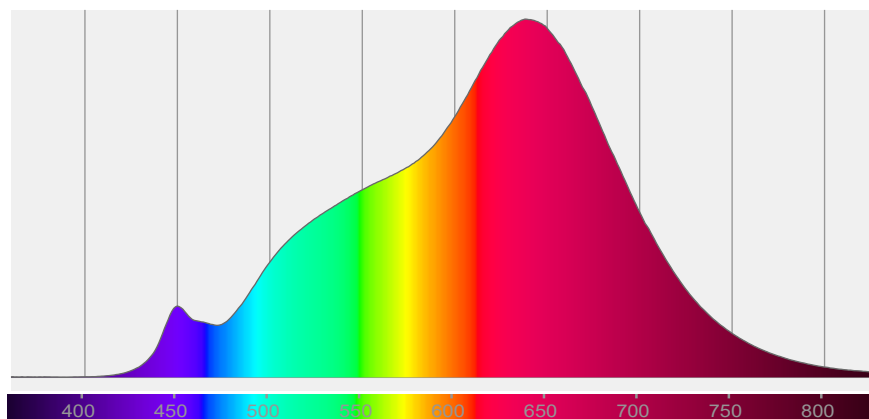


Beam angle 50%: 15,6°

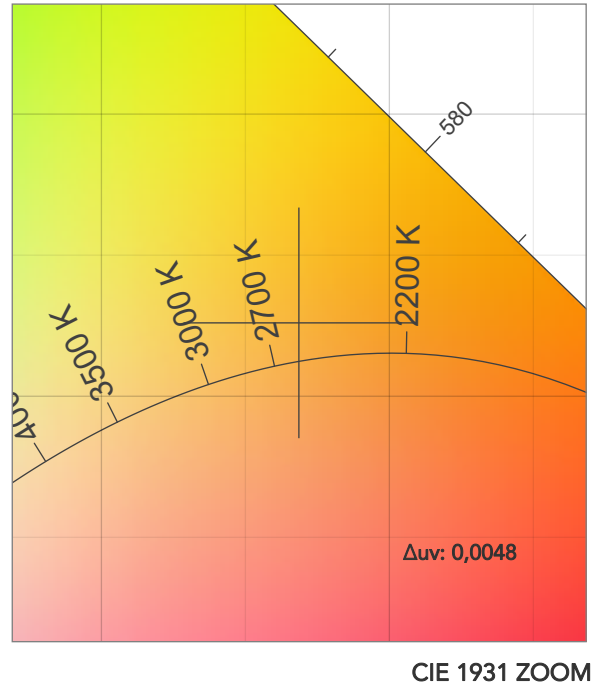
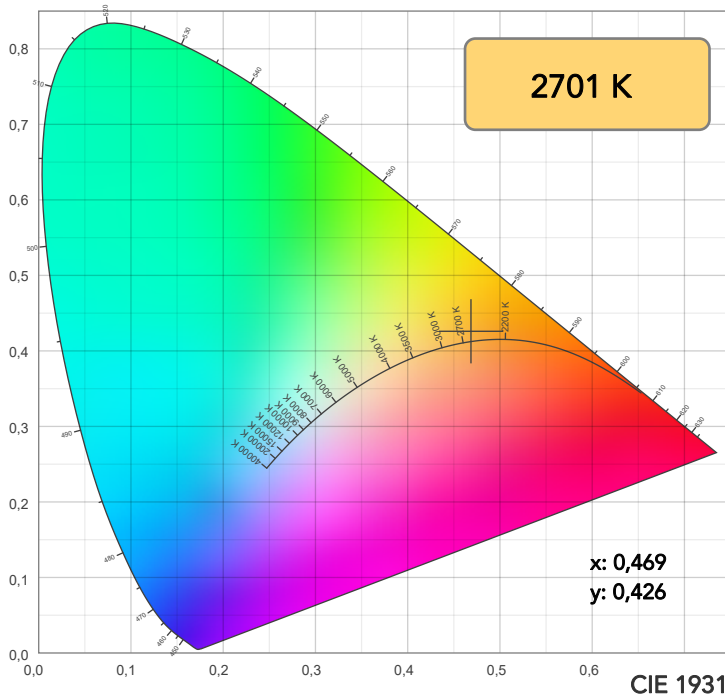
Field angle 10%: 26,6°

Cut off angle 2.5%: 40°

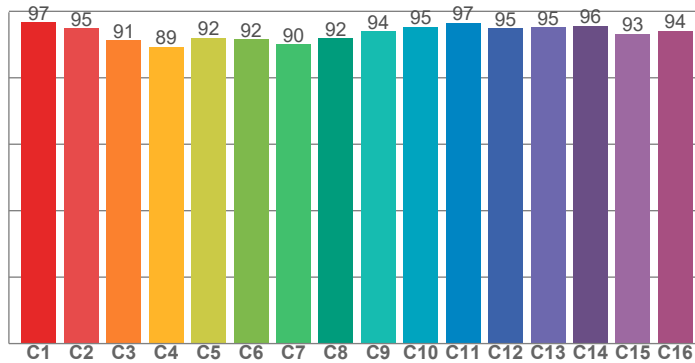
**Spectra**



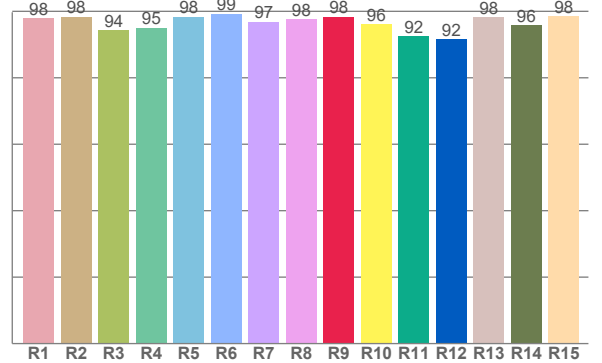
## COLOR DETAILS



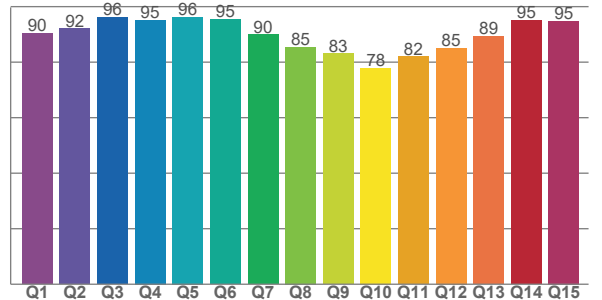
TM30: 93,6



CRI: 97,2 (R1-R8)



CQS: 88,0



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,9	98,3	94,2	95,0	98,4	99,3	96,9	97,6	98,4	96,1	92,4	91,5	98,3	95,9	98,4

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

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90,4	92,1	96,2	95,1	96,3	95,4	89,9	85,4	83,1	78,0	82,0	85,1	89,3	95,1	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
2701 K	97,2	98,4	93,6	97,1	88,0	97	0,469	0,426	0,0048

## TM30 DETAILS

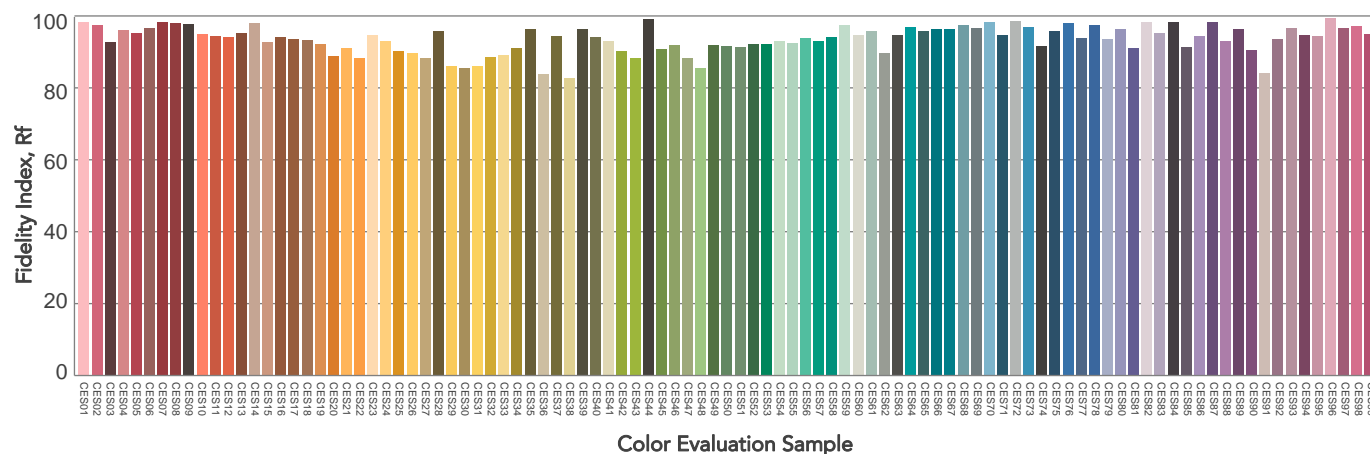
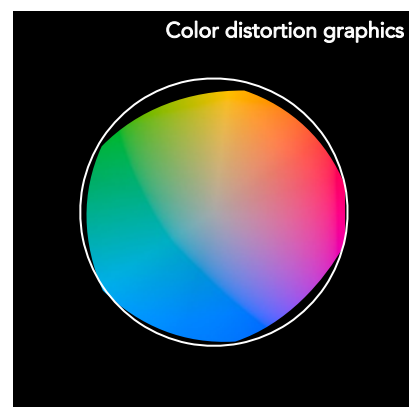
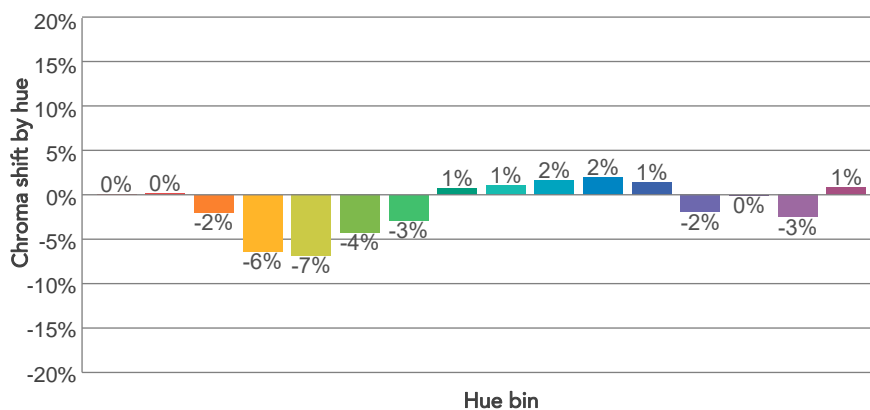
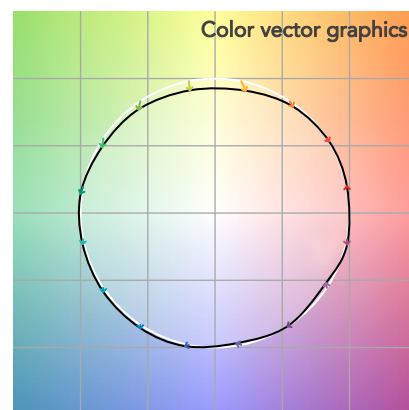
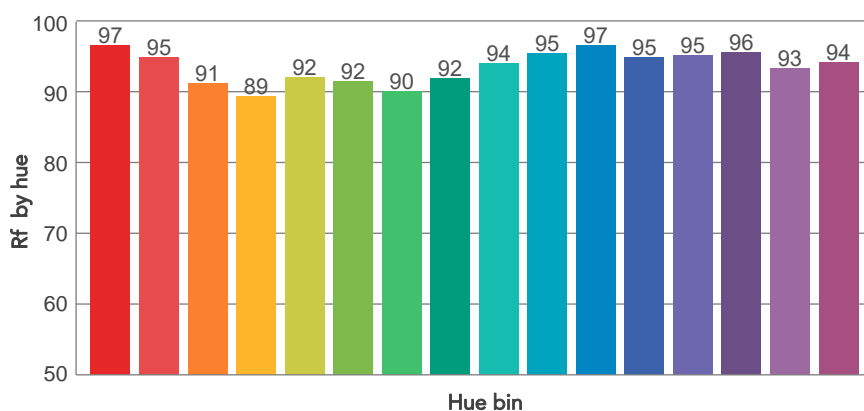
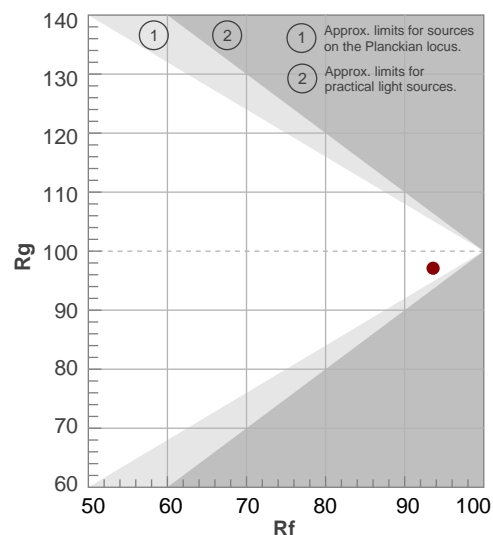
**Rf 93,6**

Fidelity index Rf

**Rg 97,1**

Gammut index

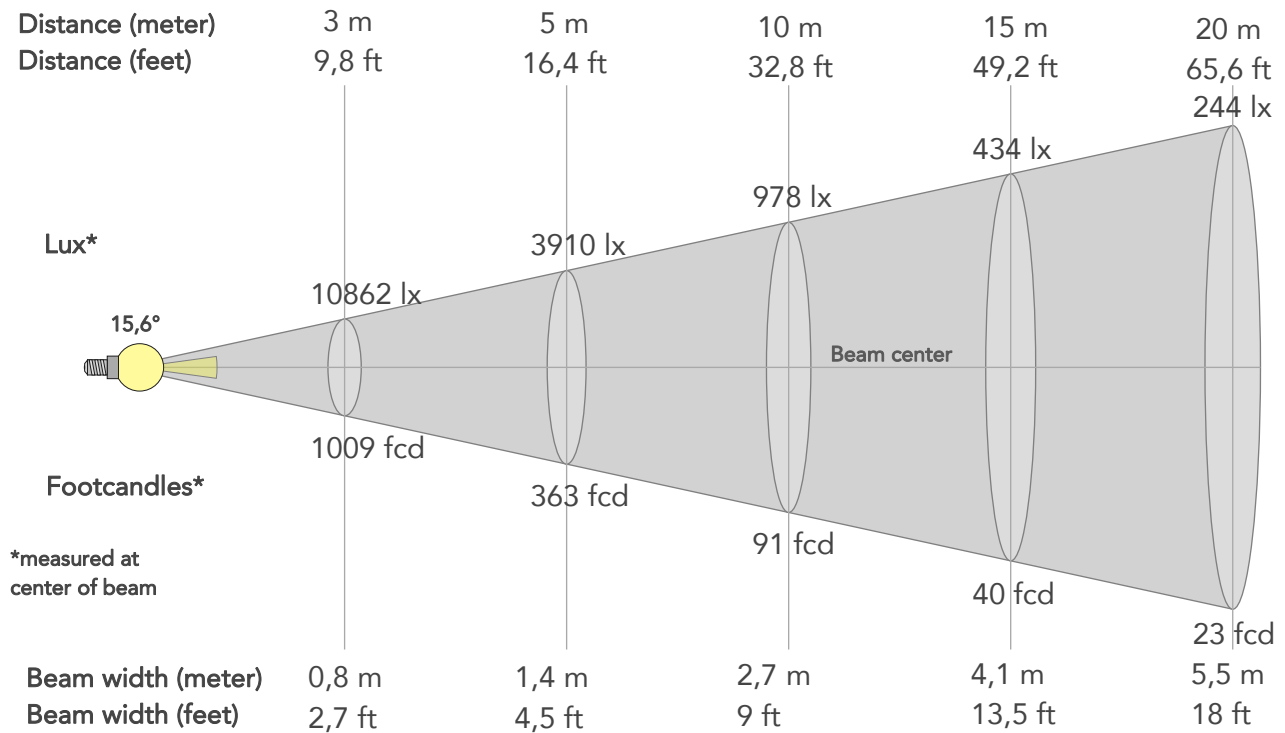
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	97	0%	0%
2	95	0%	-3%
3	91	-2%	-4%
4	89	-6%	-5%
5	92	-7%	0%
6	92	-4%	5%
7	90	-3%	6%
8	92	1%	5%
9	94	1%	3%
10	95	2%	3%
11	97	2%	1%
12	95	1%	-3%
13	95	-2%	-3%
14	96	0%	-2%
15	93	-3%	3%
16	94	1%	-4%



# BEAM DETAILS



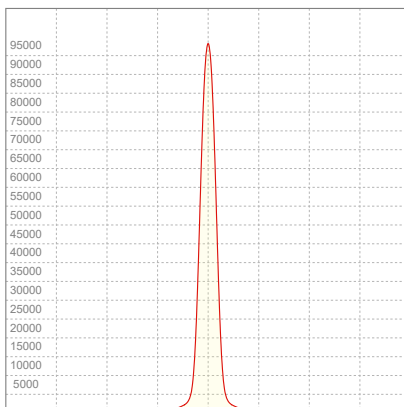
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,6°	26,6°	40°	96,2%	91,8%



## 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	97754lx	24439lx	10862lx	6110lx	3910lx	1738lx	978lx	434lx	244lx	156lx	109lx	61lx	39lx
Footcand.	9082fcd	2270fcd	1009fcd	568fcd	363fcd	161fcd	91fcd	40fcd	23fcd	15fcd	10fcd	6fcd	4fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,4m	2,1m	2,7m	4,1m	5,5m	6,8m	8,2m	11m	13,7m
Beam wid.	0,9ft	1,8ft	2,7ft	3,6ft	4,5ft	6,7ft	9ft	13,5ft	18ft	22,5ft	27ft	35,9ft	44,9ft

## LINEAR DISTRIBUTION DIAGRAM

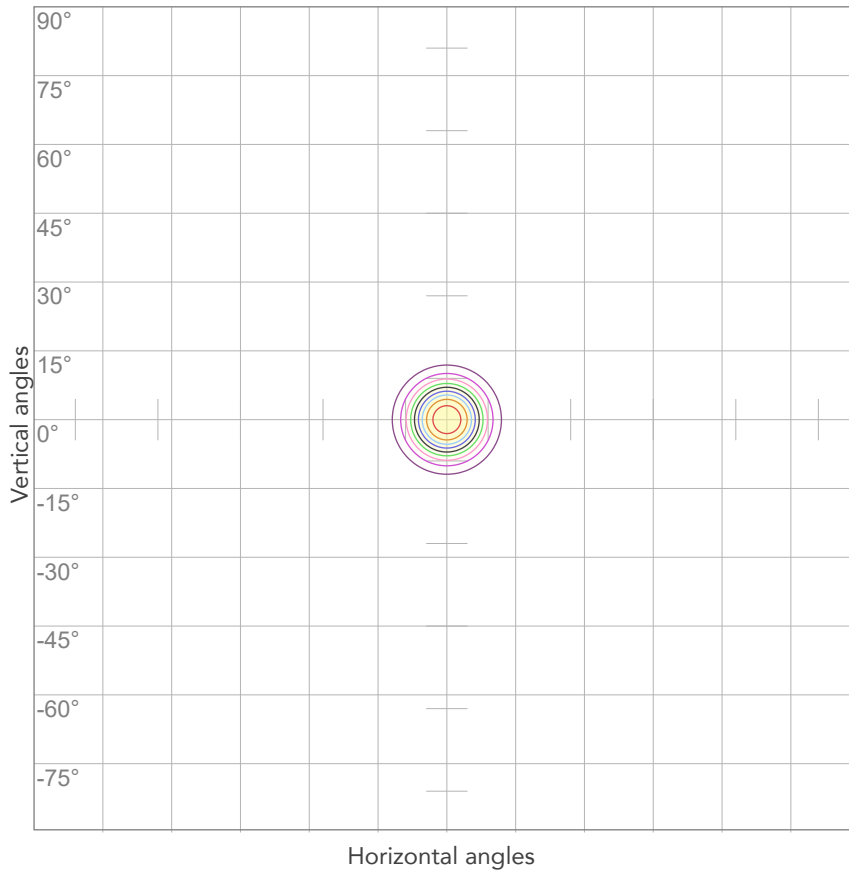


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,000A	0,00W	n/a	n/alm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



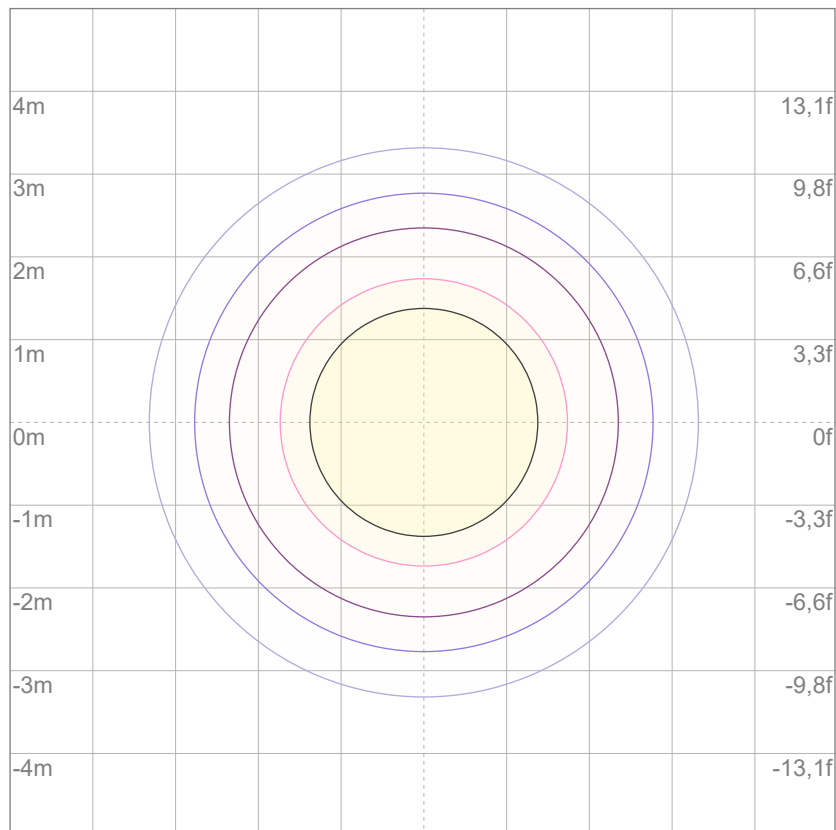
10%	9775 cd
20%	19551 cd
30%	29326 cd
40%	39102 cd
50%	48877 cd
60%	58653 cd
70%	68428 cd
80%	78203 cd

### Conditions:

Number of c-planes: 2

Candela at center: 97754 cd

## ISO LUX DIAGRAM



3%	29,3 lx
5%	48,9 lx
10%	97,8 lx
30%	293 lx
50%	489 lx

### Conditions:

Number of c-planes: 2

Lux at center: 978 lx

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



Total lumen output:

10783 lm

Peak candela output:

101125 cd

Light quality:

CRI: 96,8

Color temperature:

2853 K

**PRODUCT NAME:**

ARCSPOTXLVW

**MEASURAMENT CONDITIONS:**

Beam angle:

15°

Target:

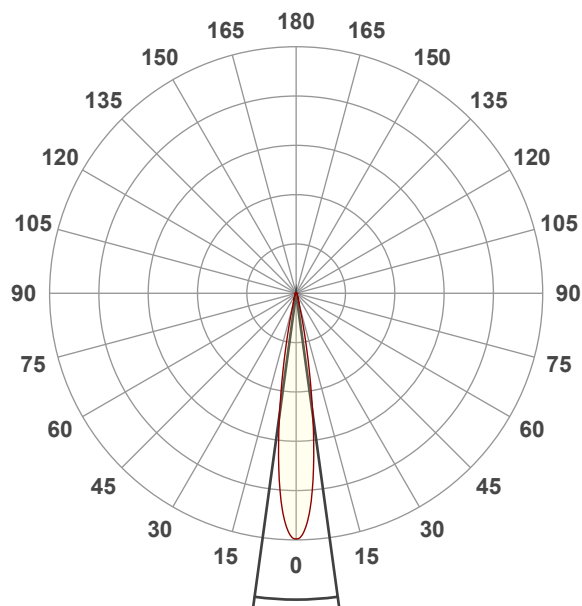
2800K

Operator:

Salvatore Giglio

Date and time:

16/05/2024 11:50:54

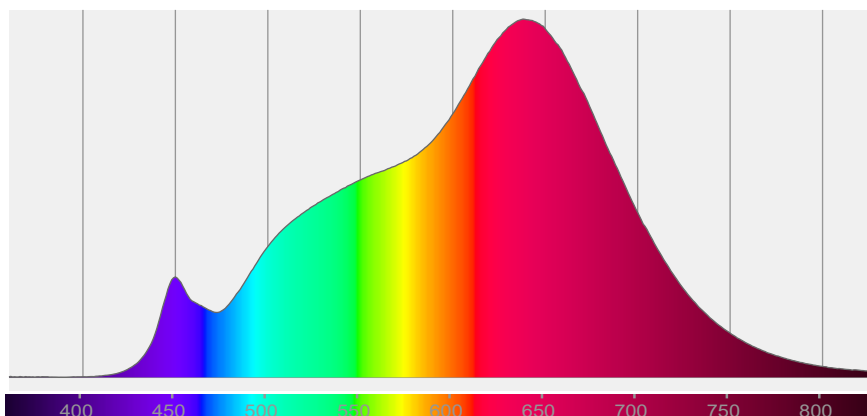


Beam angle 50%: 15,6°

Field angle 10%: 26,5°

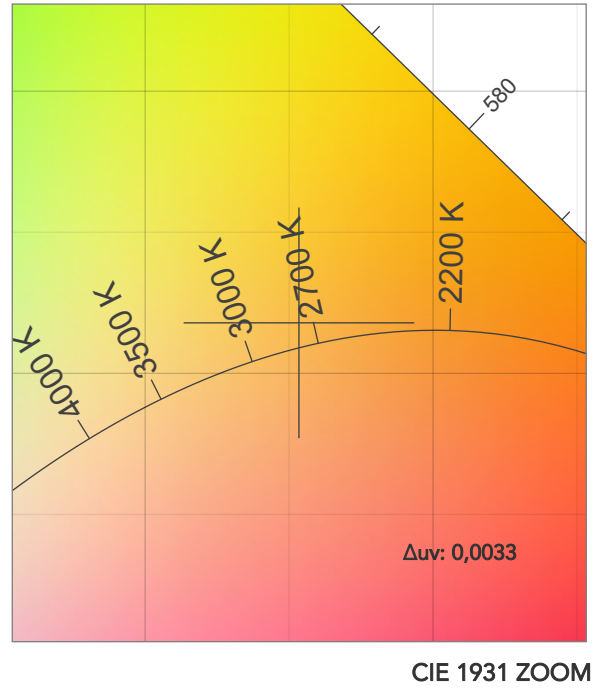
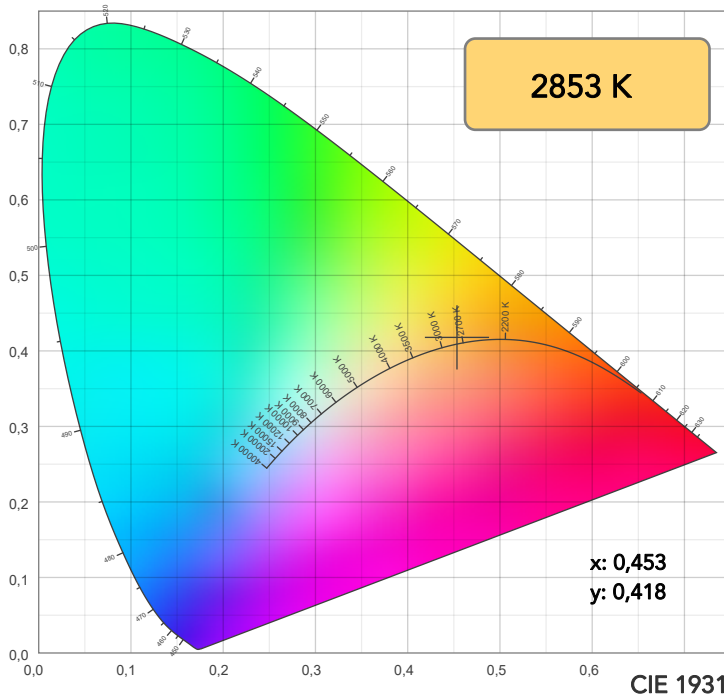
Cut off angle 2.5%: 40,4°

**Spectra**

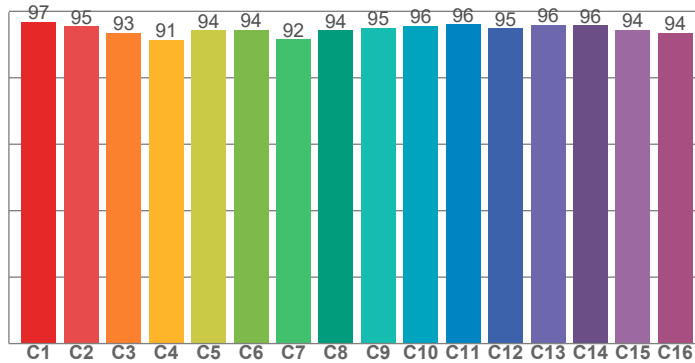




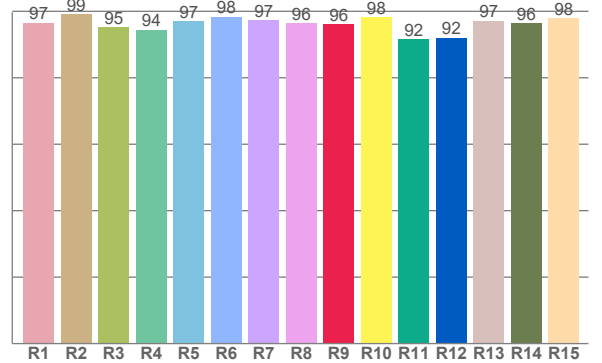
## COLOR DETAILS



**TM30: 94,6**



**CRI: 96,8 (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
96,5	99,0	95,2	94,5	97,0	98,4	97,3	96,4	96,2	98,3	91,6	92,0	97,1	96,4	97,9

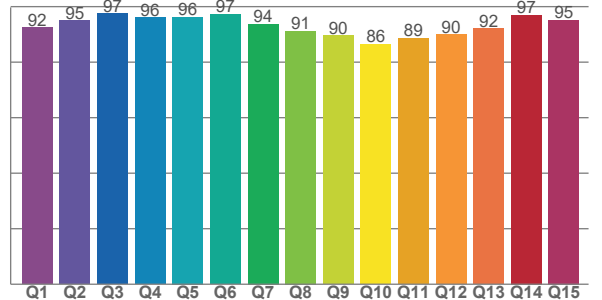
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,5	95,0	97,5	96,0	96,2	97,3	93,7	91,2	89,5	86,4	88,6	89,9	92,2	97,0	95,2

**CQS: 92,2**



## 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
2853 K	96,8	96,2	94,6	99,1	92,2	98	0,453	0,418	0,0033

## TM30 DETAILS

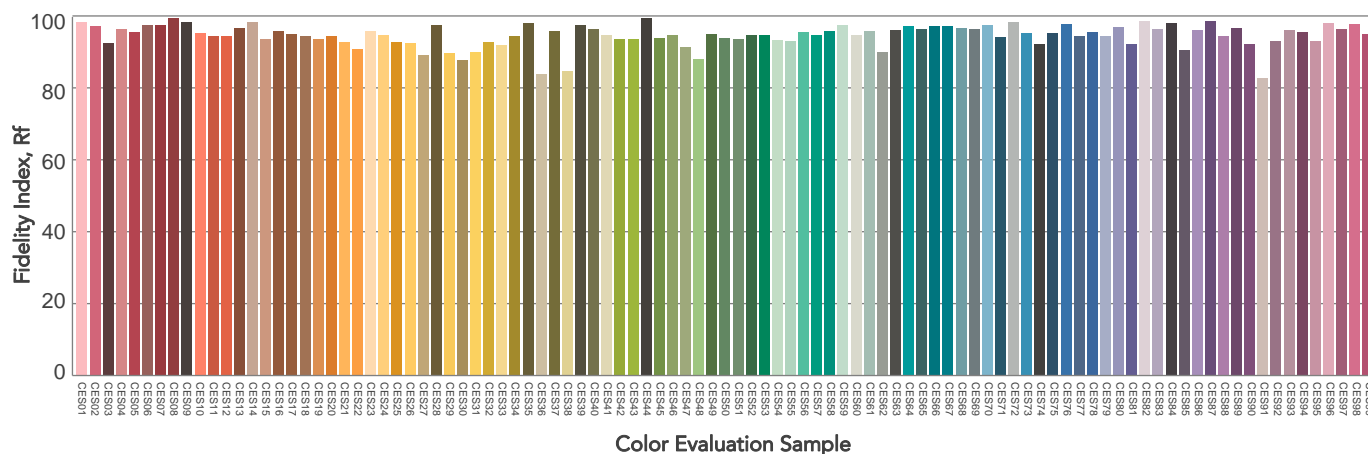
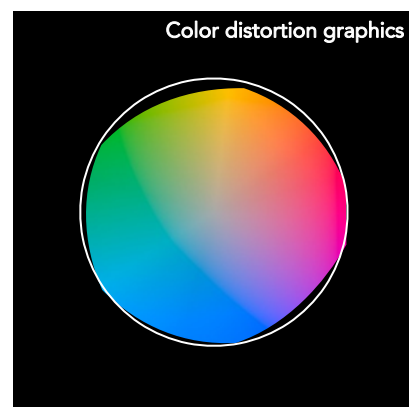
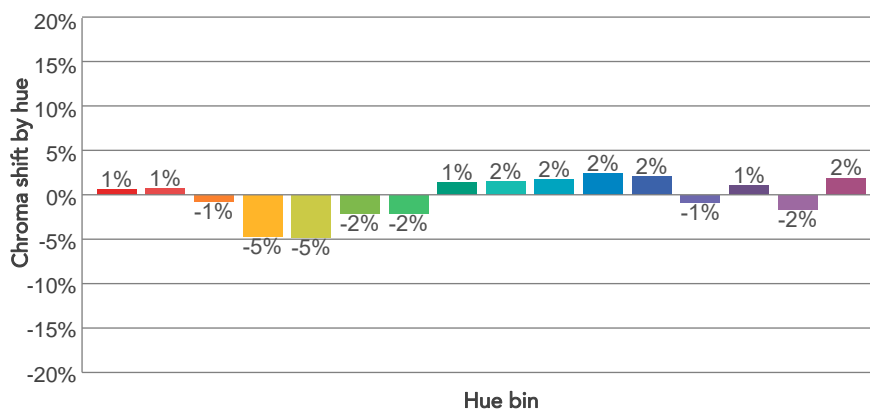
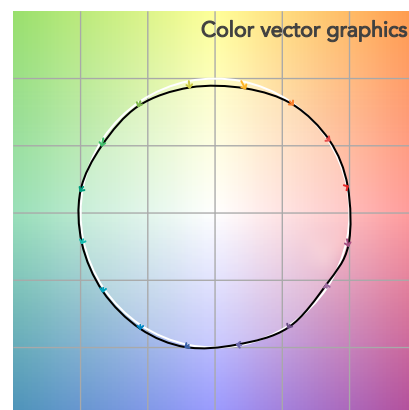
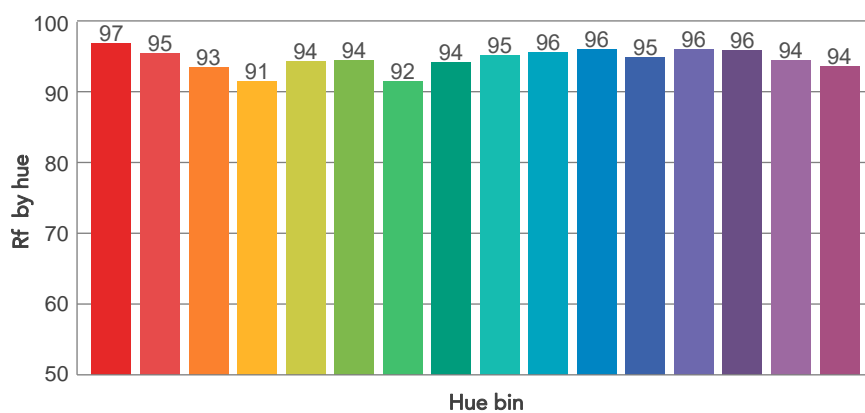
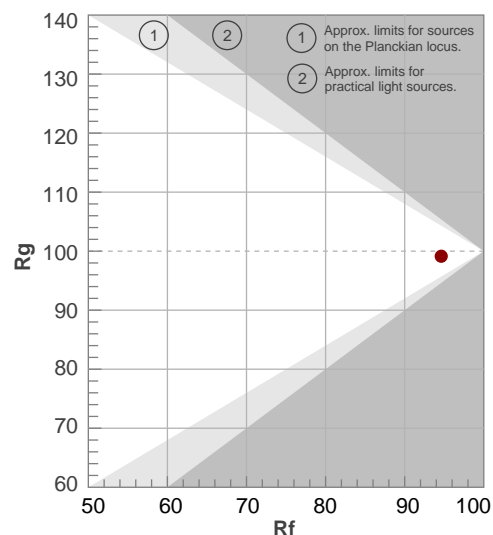
**Rf 94,6**

Fidelity index Rf

**Rg 99,1**

Gammut index

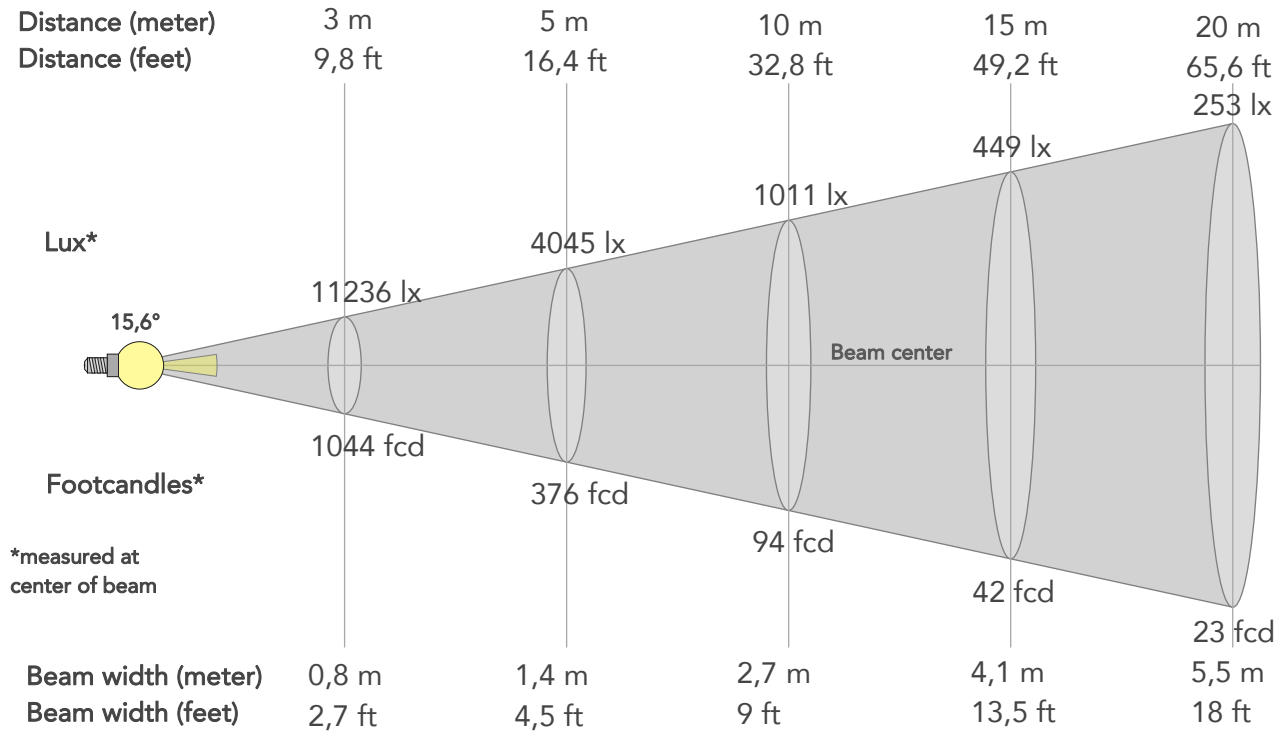
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	0%
2	95	1%	-2%
3	93	-1%	-3%
4	91	-5%	-4%
5	94	-5%	0%
6	94	-2%	3%
7	92	-2%	5%
8	94	1%	3%
9	95	2%	3%
10	96	2%	2%
11	96	2%	2%
12	95	2%	-2%
13	96	-1%	-3%
14	96	1%	-2%
15	94	-2%	2%
16	94	2%	-4%



# BEAM DETAILS



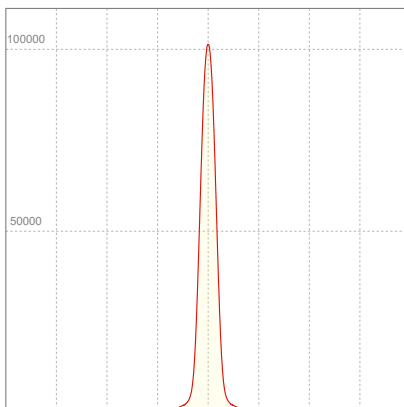
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,6°	26,5°	40,4°	93,6%	89,0%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	101125lx	25281lx	11236lx	6320lx	4045lx	1798lx	1011lx	449lx	253lx	162lx	112lx	63lx	40lx
Footcand.	9395fcd	2349fcd	1044fcd	587fcd	376fcd	167fcd	94fcd	42fcd	23fcd	15fcd	10fcd	6fcd	4fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,4m	2,1m	2,7m	4,1m	5,5m	6,8m	8,2m	11m	13,7m
Beam wid.	0,9ft	1,8ft	2,7ft	3,6ft	4,5ft	6,7ft	9ft	13,5ft	18ft	22,5ft	27ft	35,9ft	44,9ft

## LINEAR DISTRIBUTION DIAGRAM

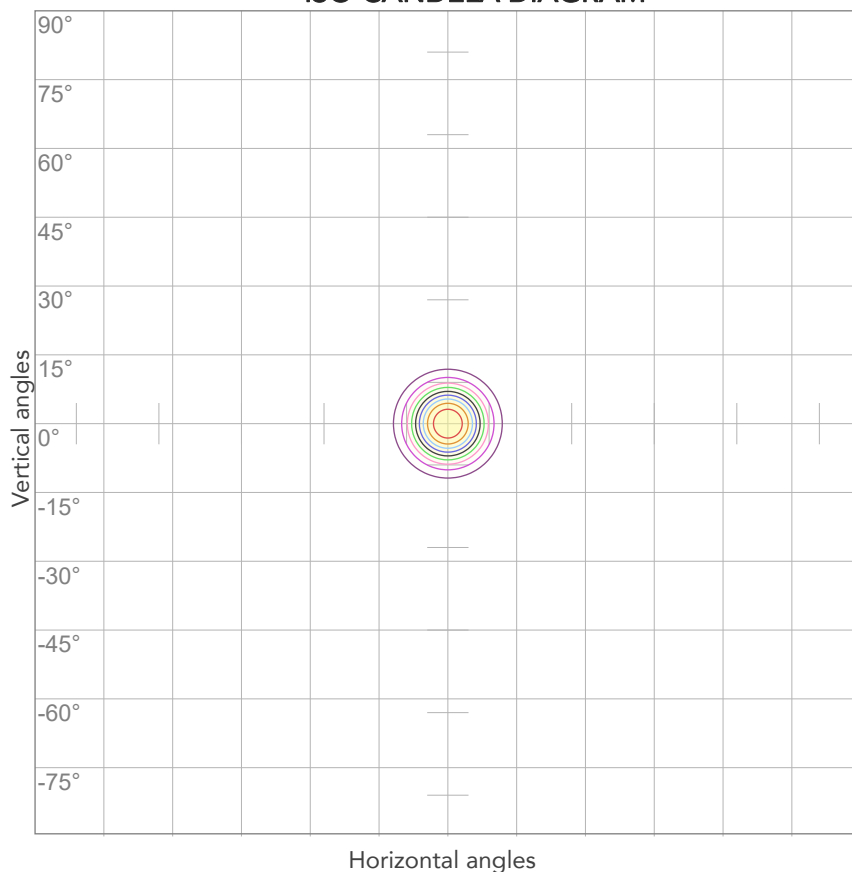


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,000A	0,00W	n/a	n/alm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



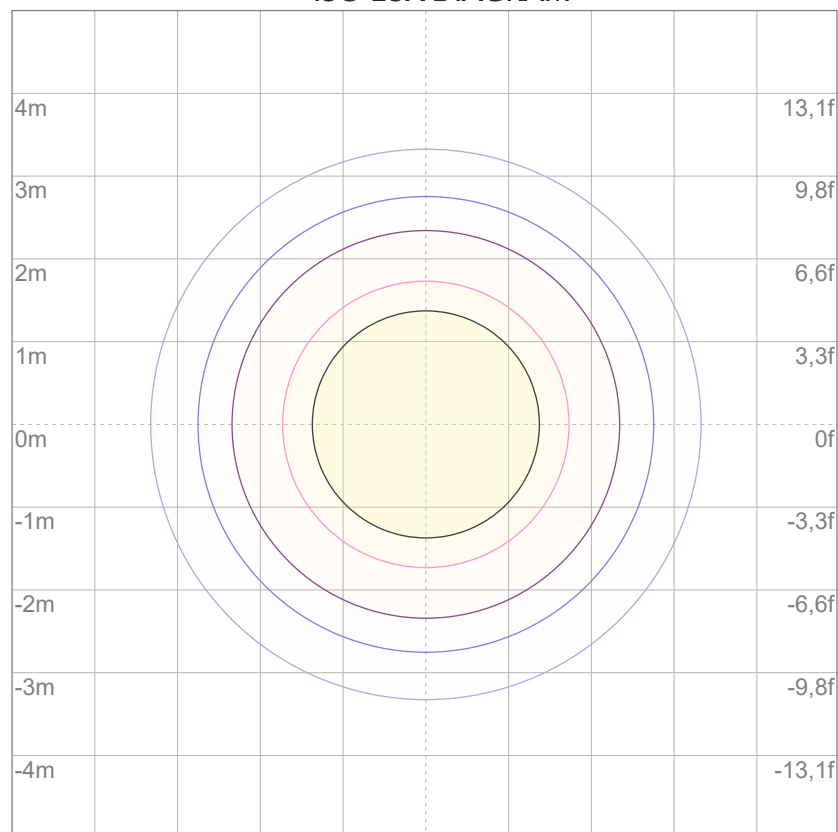
10%	10112 cd
20%	20225 cd
30%	30337 cd
40%	40450 cd
50%	50562 cd
60%	60675 cd
70%	70787 cd
80%	80900 cd

### Conditions:

Number of c-planes: 2

Candela at center: 101125 cd

## ISO LUX DIAGRAM



3%	30,3 lx
5%	50,6 lx
10%	101 lx
30%	303 lx
50%	506 lx

### Conditions:

Number of c-planes: 2

Lux at center: 1011 lx

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



Total lumen output:

11000 lm

Peak candela output:

104873 cd

Light quality:

CRI: 95,6

Color temperature:

3217 K

**PRODUCT NAME:**

ARCSPOTXLW

**MEASURAMENT CONDITIONS:**

Beam angle:

15°

Target:

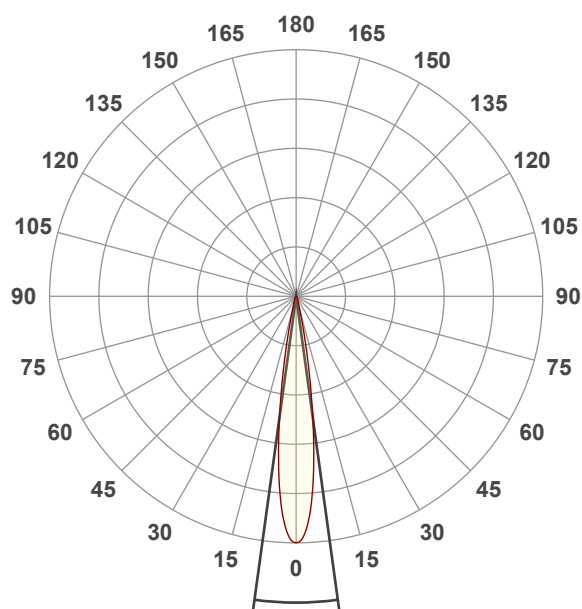
3200K

Operator:

Salvatore Giglio

Date and time:

16/05/2024 12:00:20

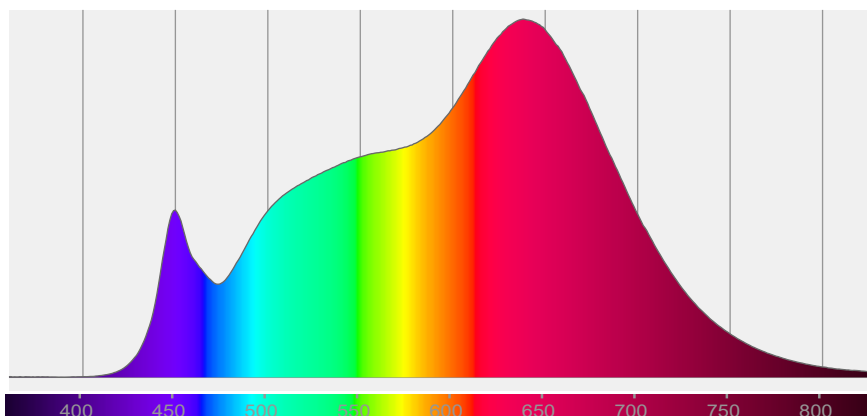


Beam angle 50%: 15,6°

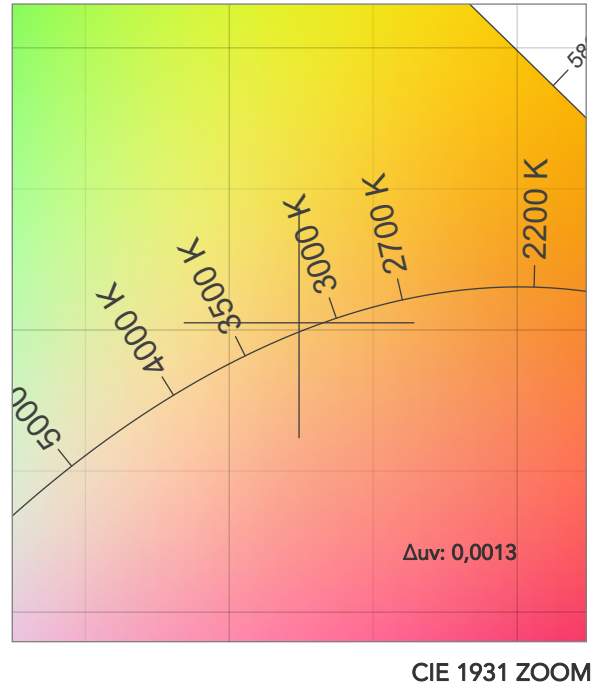
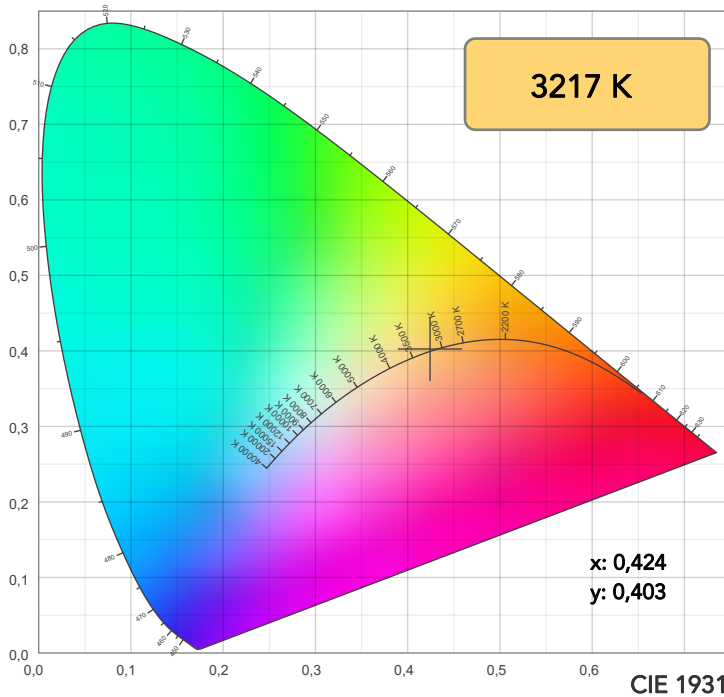
Field angle 10%: 26,6°

Cut off angle 2.5%: 40,2°

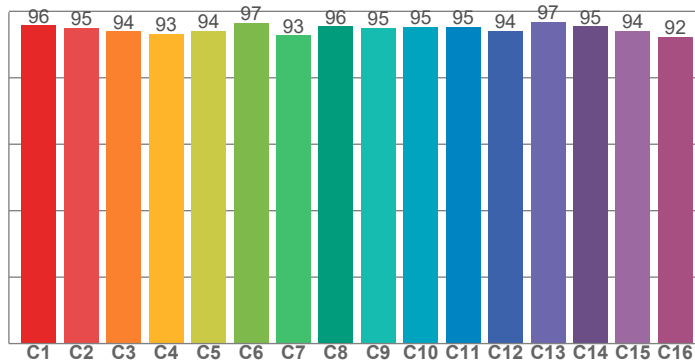
**Spectra**



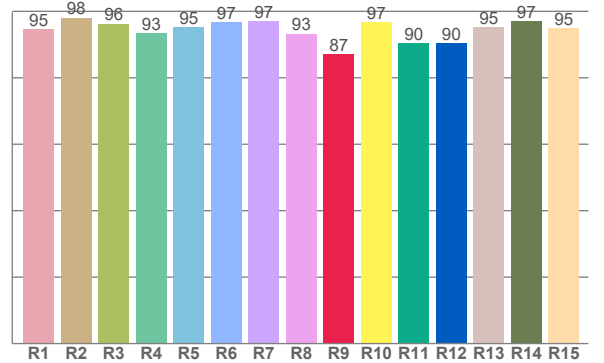
# COLOR DETAILS



TM30: 94,8



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	98,1	96,2	93,5	95,1	96,7	97,0	93,2	87,0	96,7	90,4	90,4	95,2	97,1	94,8

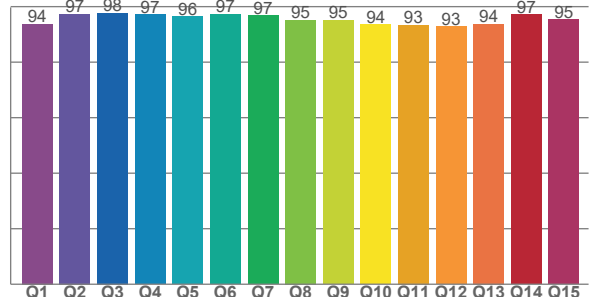
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

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
3217 K	95,6	87,0	94,8	101,2	95,1	99	0,424	0,403	0,0013

## TM30 DETAILS

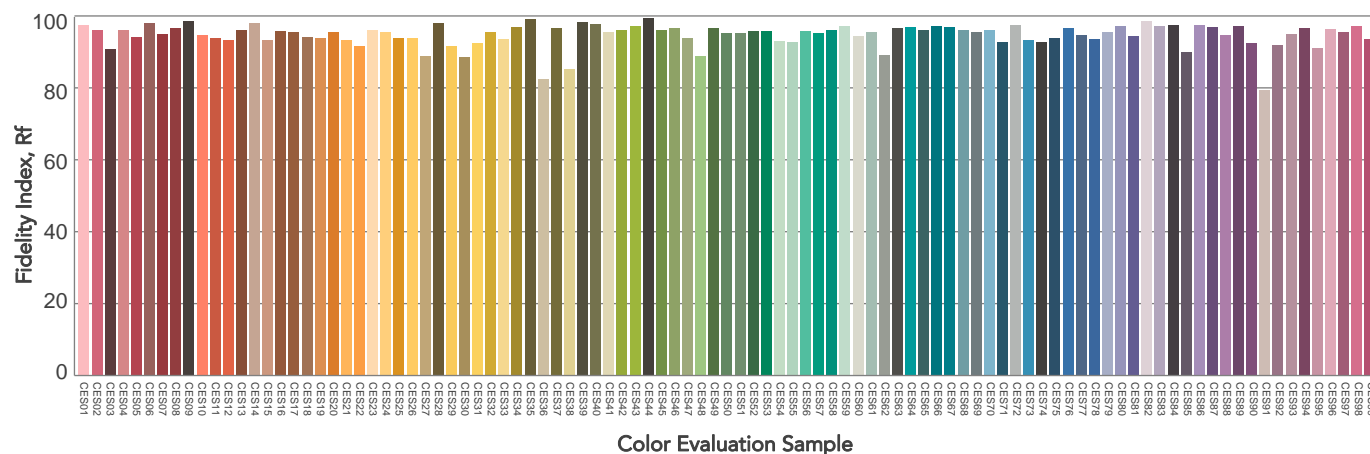
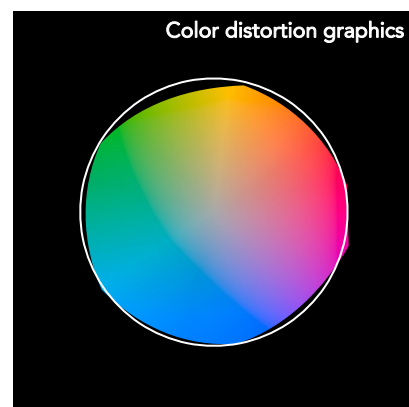
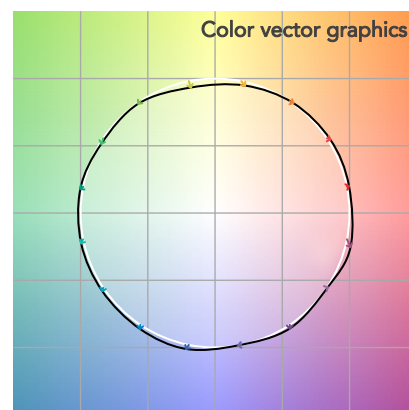
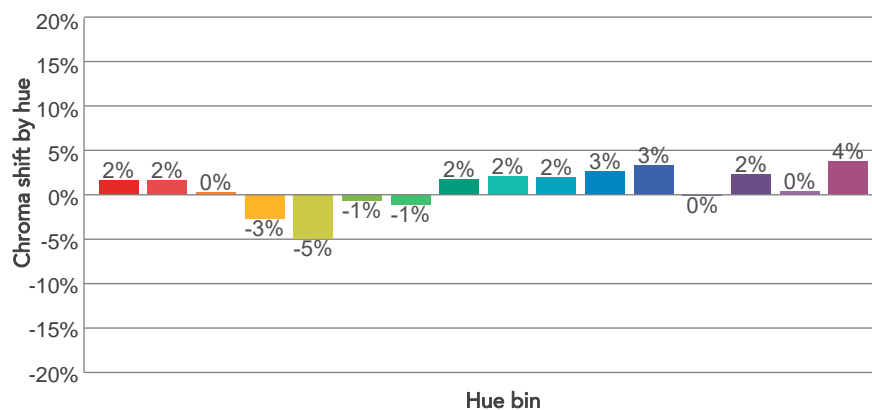
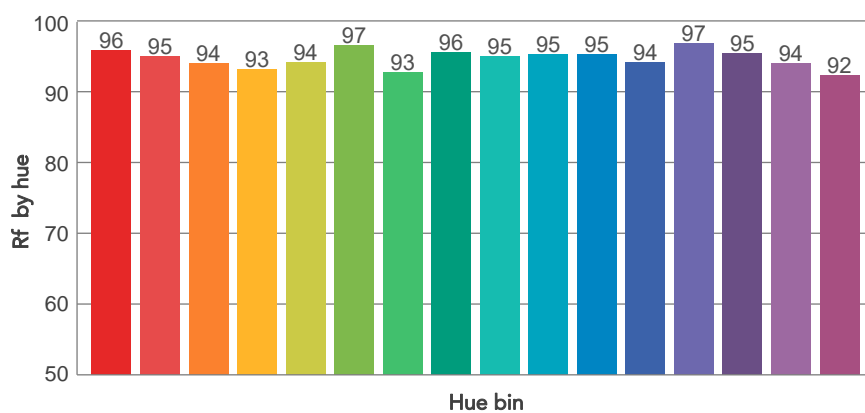
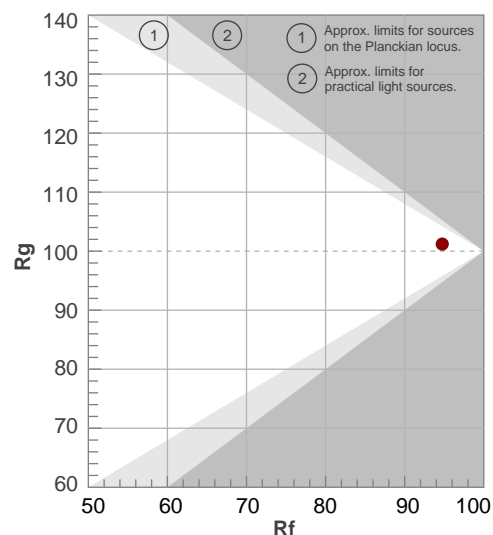
Rf 94,8

Fidelity index  $R_f$

Rg 101,2

## Gammut index

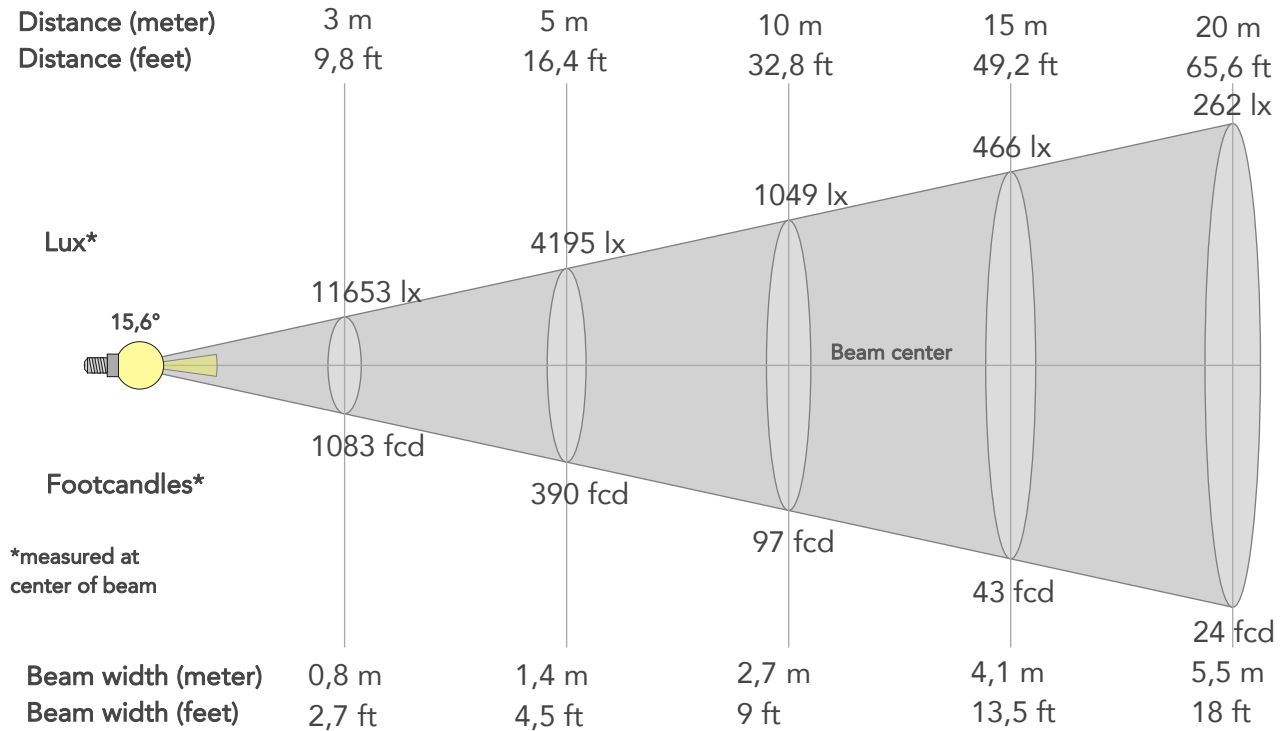
		Graphic shifts (%)	
Hue Bin	$R_f$	Chroma	Hue
1	96	2%	0%
2	95	2%	-2%
3	94	0%	-3%
4	93	-3%	-3%
5	94	-5%	-1%
6	97	-1%	2%
7	93	-1%	4%
8	96	2%	2%
9	95	2%	3%
10	95	2%	2%
11	95	3%	2%
12	94	3%	-1%
13	97	0%	-2%
14	95	2%	-1%
15	94	0%	1%
16	92	4%	-5%



# BEAM DETAILS



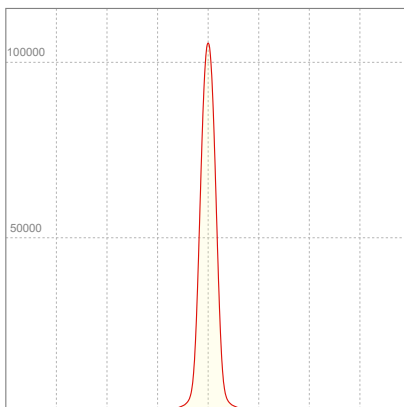
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,6°	26,6°	40,2°	94,8%	90,3%



## 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	104873lx	26218lx	11653lx	6555lx	4195lx	1864lx	1049lx	466lx	262lx	168lx	117lx	66lx	42lx
Footcand.	9743fcd	2436fcd	1083fcd	609fcd	390fcd	173fcd	97fcd	43fcd	24fcd	16fcd	11fcd	6fcd	4fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,4m	2,1m	2,7m	4,1m	5,5m	6,9m	8,2m	11m	13,7m
Beam wid.	0,9ft	1,8ft	2,7ft	3,6ft	4,5ft	6,8ft	9ft	13,5ft	18ft	22,5ft	27ft	36ft	45ft

## LINEAR DISTRIBUTION DIAGRAM



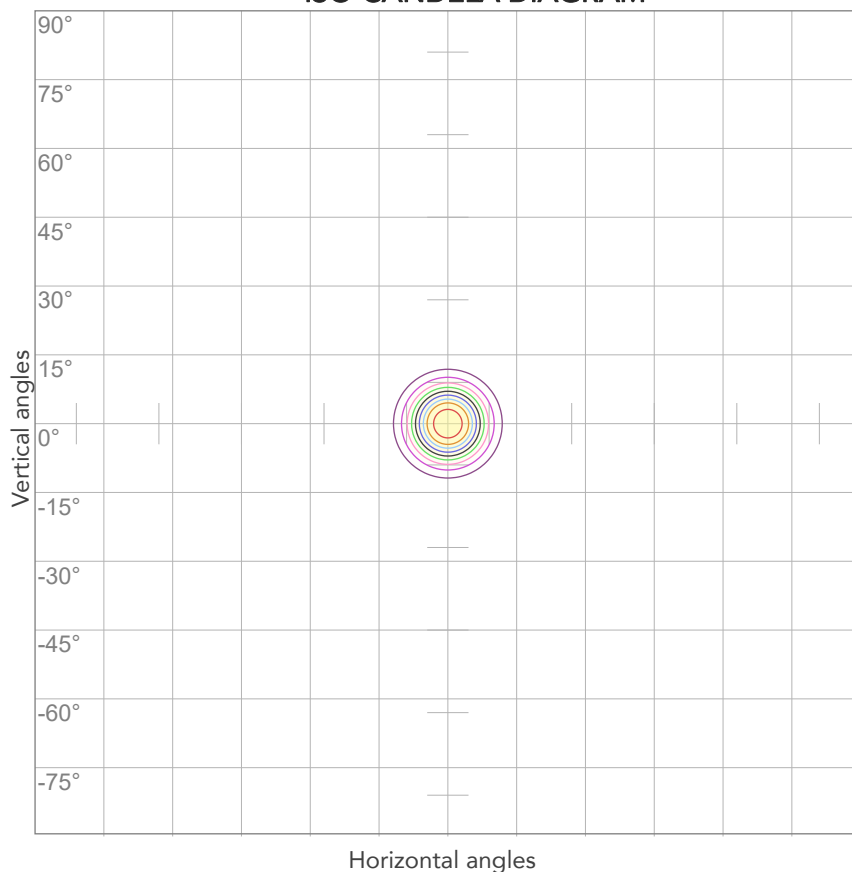
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	1,00A	215,5W	0,95	51lm/W



# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



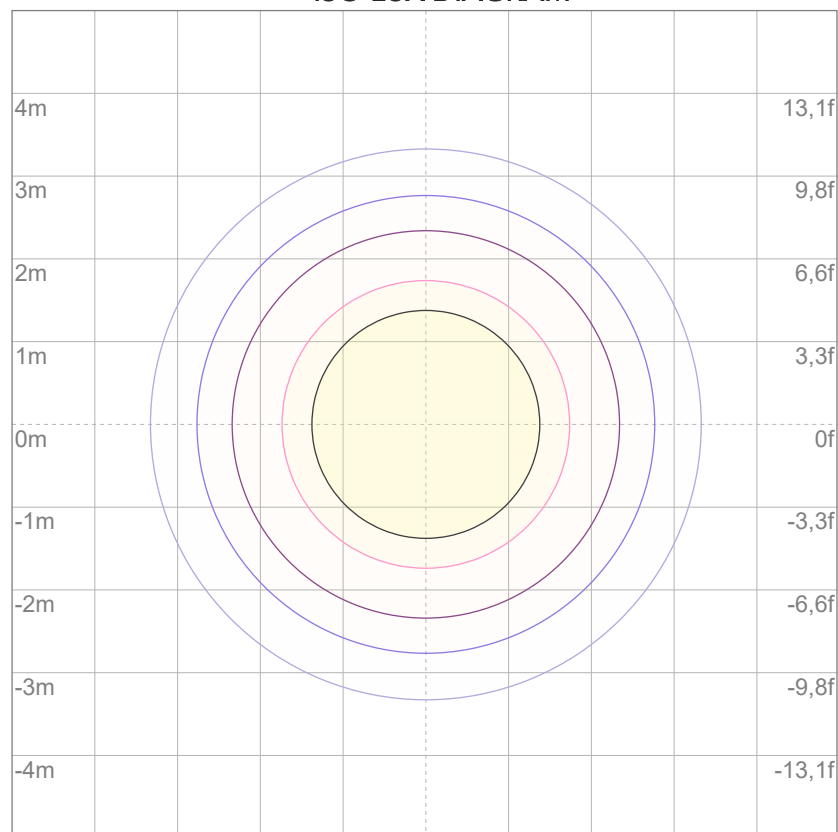
10%	10487 cd
20%	20975 cd
30%	31462 cd
40%	41949 cd
50%	52436 cd
60%	62924 cd
70%	73411 cd
80%	83898 cd

### Conditions:

Number of c-planes: 2

Candela at center: 104873 cd

## ISO LUX DIAGRAM



3%	31,5 lx
5%	52,4 lx
10%	105 lx
30%	315 lx
50%	524 lx

### Conditions:

Number of c-planes: 2

Lux at center: 1049 lx

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



Total lumen output:

11691 lm

Peak candela output:

113279 cd

Light quality:

CRI: 95,1

Color temperature:

4028 K

**PRODUCT NAME:**

ARCSPOTXLVW

**MEASURAMENT CONDITIONS:**

Beam angle:

15°

Target:

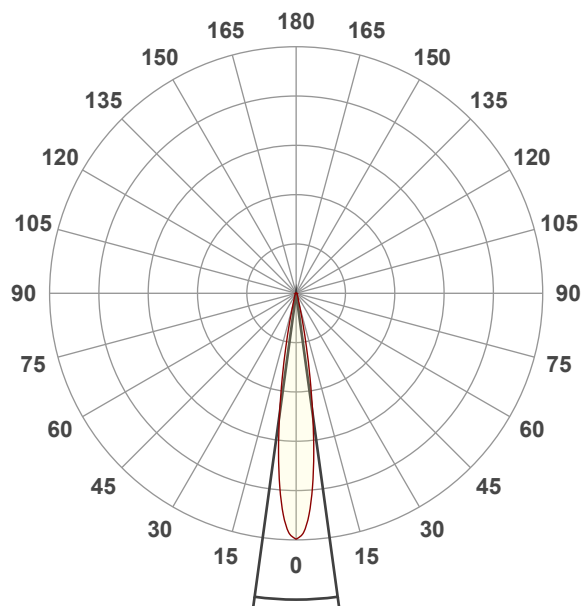
4000K

Operator:

Salvatore Giglio

Date and time:

16/05/2024 12:05:55

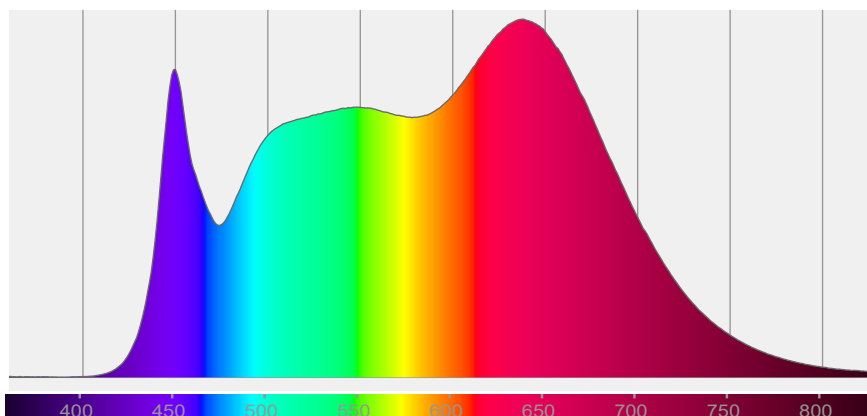


Beam angle 50%: 15,6°

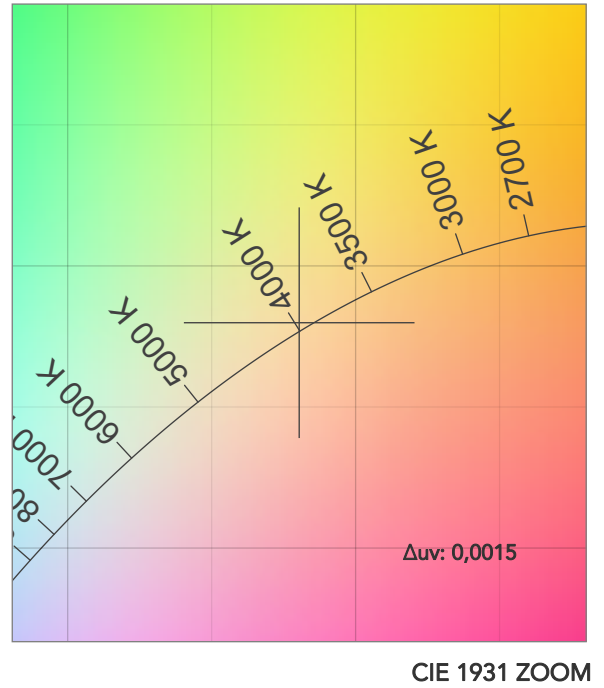
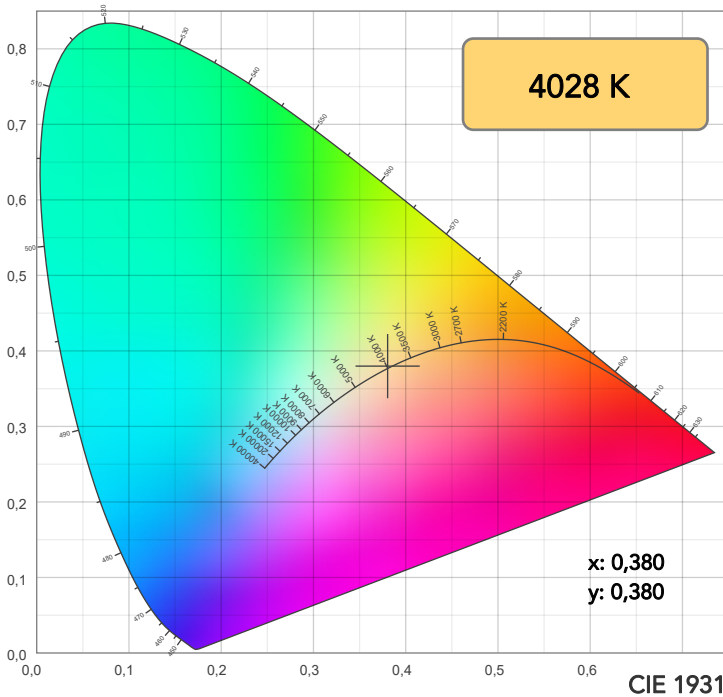
Field angle 10%: 26,6°

Cut off angle 2.5%: 39,8°

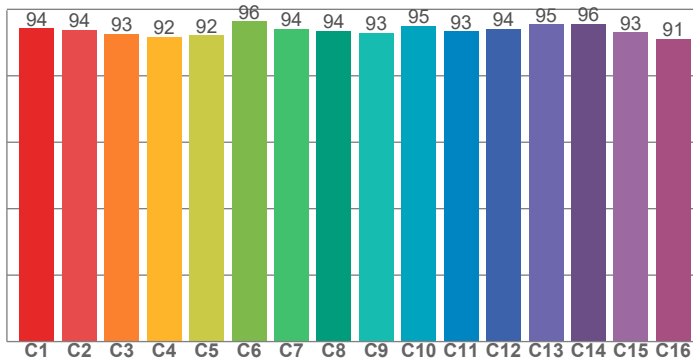
**Spectra**



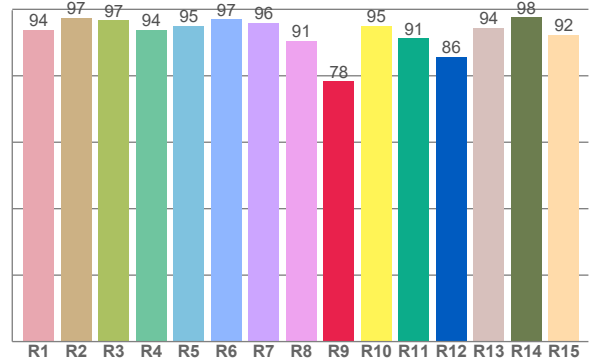
# COLOR DETAILS



TM30: 93,5



CRI: 95,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,8	97,5	96,8	93,9	95,0	97,0	96,0	90,5	78,3	95,0	91,2	85,7	94,4	97,6	92,4

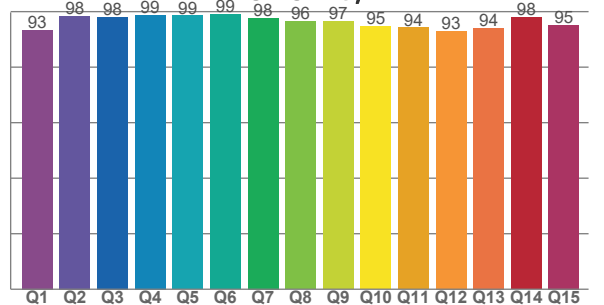
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 95,9



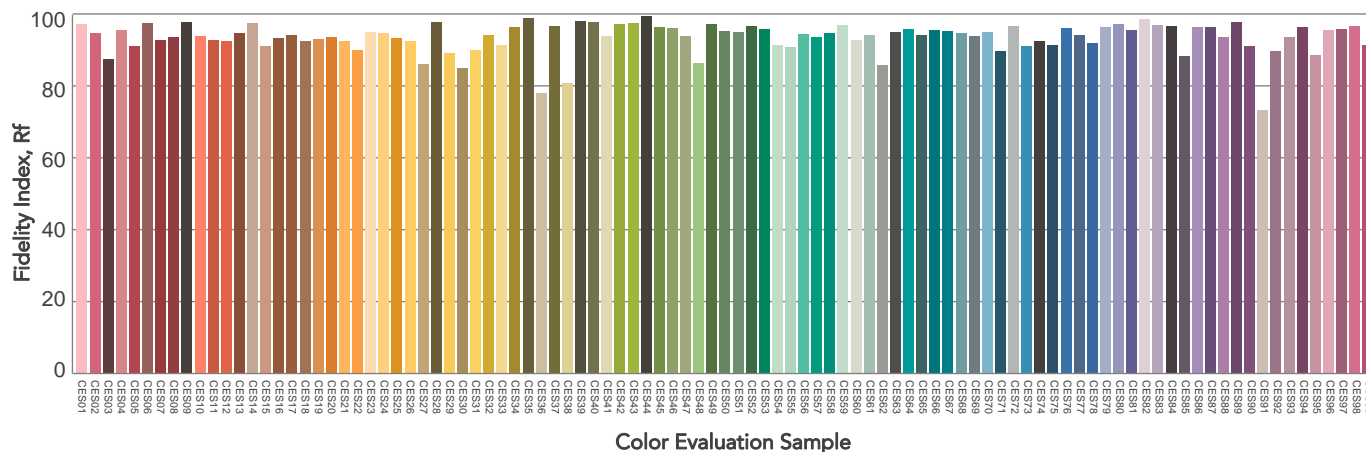
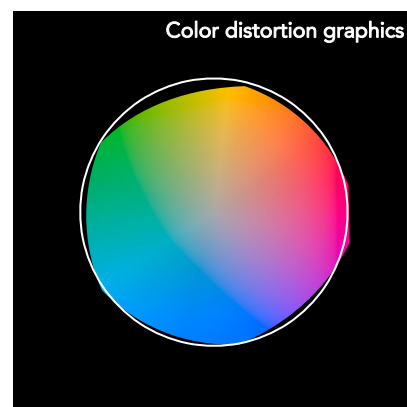
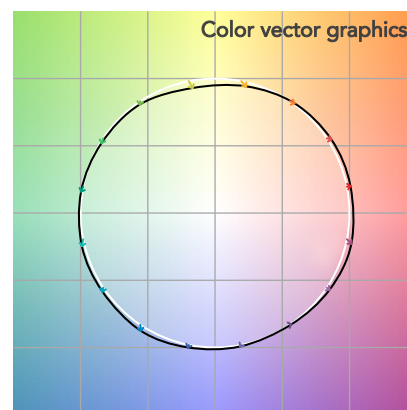
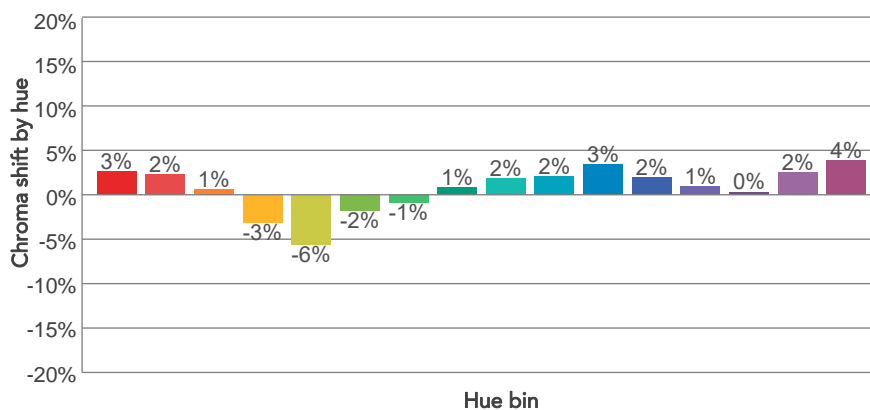
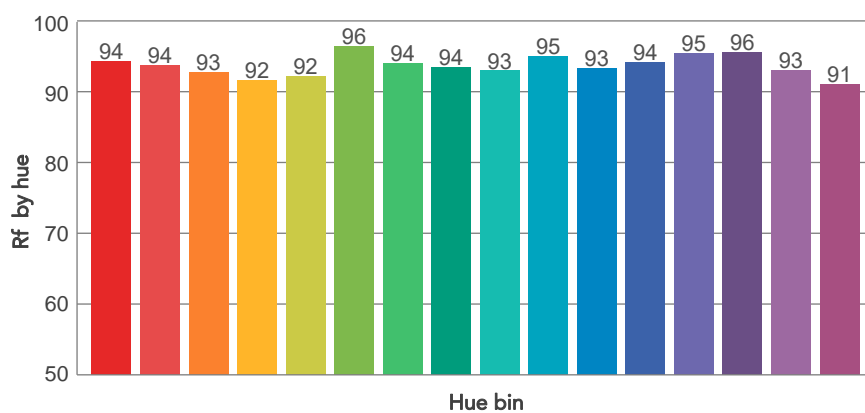
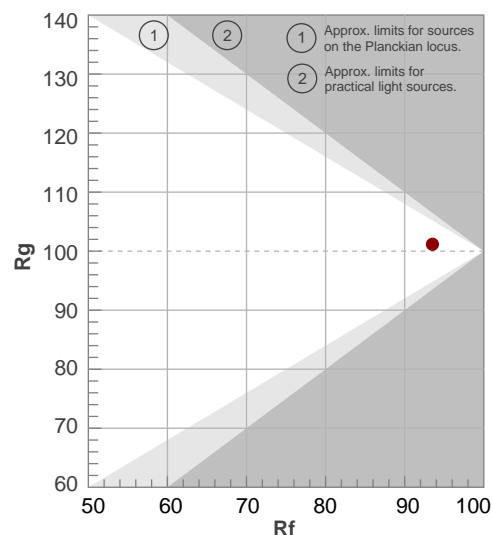
## COLOR PARAMETERS

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
4028 K	95,1	78,3	93,5	101,2	95,9	99	0,380	0,380	0,0015

Fidelity index  $R_f$

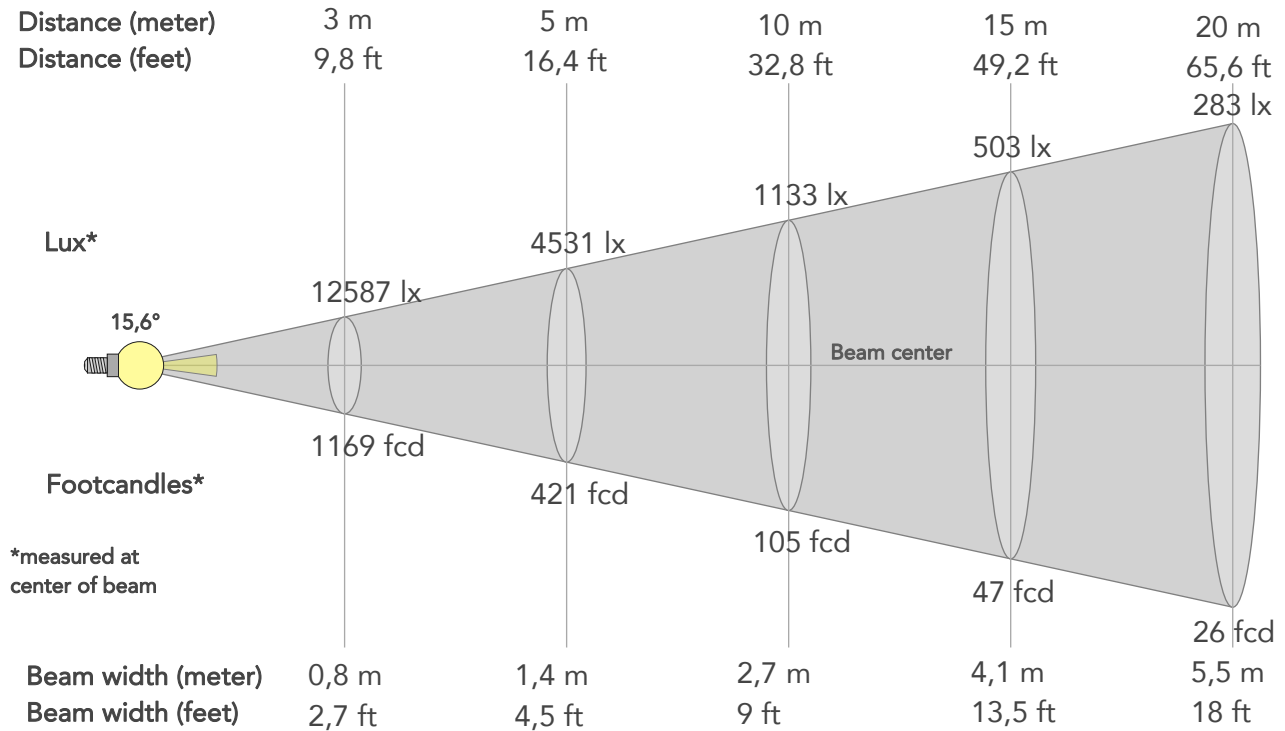
## Gammut index

		Graphic shifts (%)	
Hue Bin	$R_f$	Chroma	Hue
1	94	3%	0%
2	94	2%	-3%
3	93	1%	-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	95	1%	-1%
14	96	0%	1%
15	93	2%	0%
16	91	4%	-3%



# BEAM DETAILS

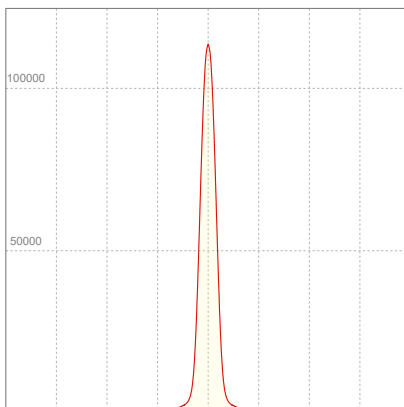
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,6°	26,6°	39,8°	96,0%	91,5%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	113279lx	28320lx	12587lx	7080lx	4531lx	2014lx	1133lx	503lx	283lx	181lx	126lx	71lx	45lx
Footcand.	10524fcd	2631fcd	1169fcd	658fcd	421fcd	187fcd	105fcd	47fcd	26fcd	17fcd	12fcd	7fcd	4fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,4m	2,1m	2,7m	4,1m	5,5m	6,8m	8,2m	10,9m	13,7m
Beam wid.	0,9ft	1,8ft	2,7ft	3,6ft	4,5ft	6,7ft	9ft	13,5ft	18ft	22,4ft	26,9ft	35,9ft	44,9ft

## LINEAR DISTRIBUTION DIAGRAM

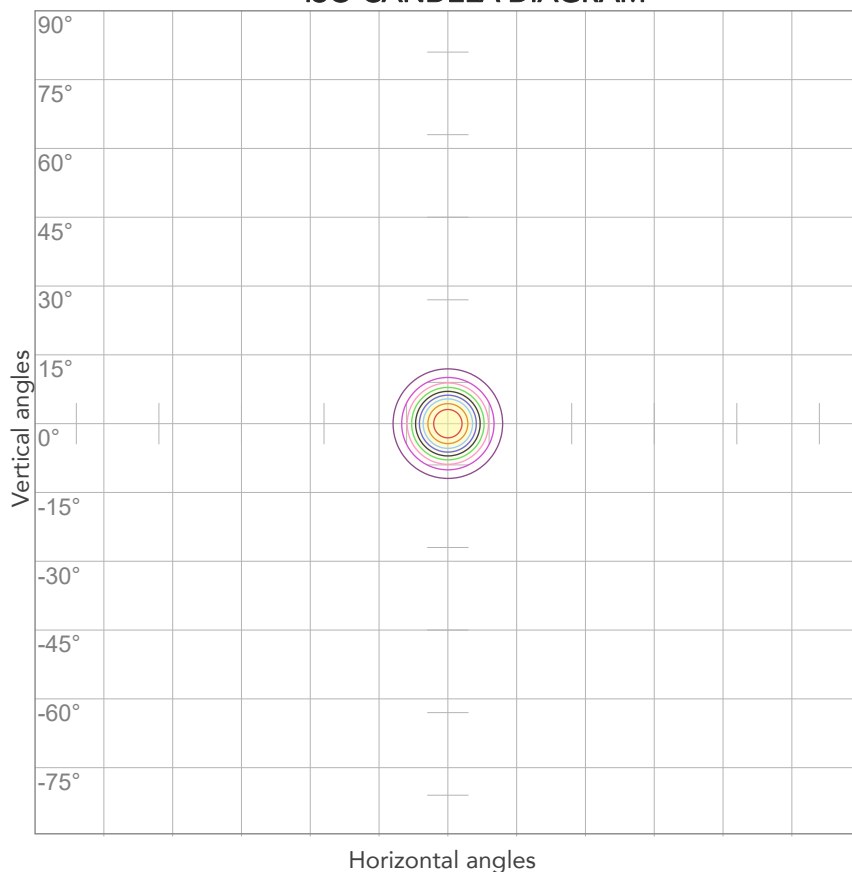


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	1,00A	215,7W	0,95	54lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



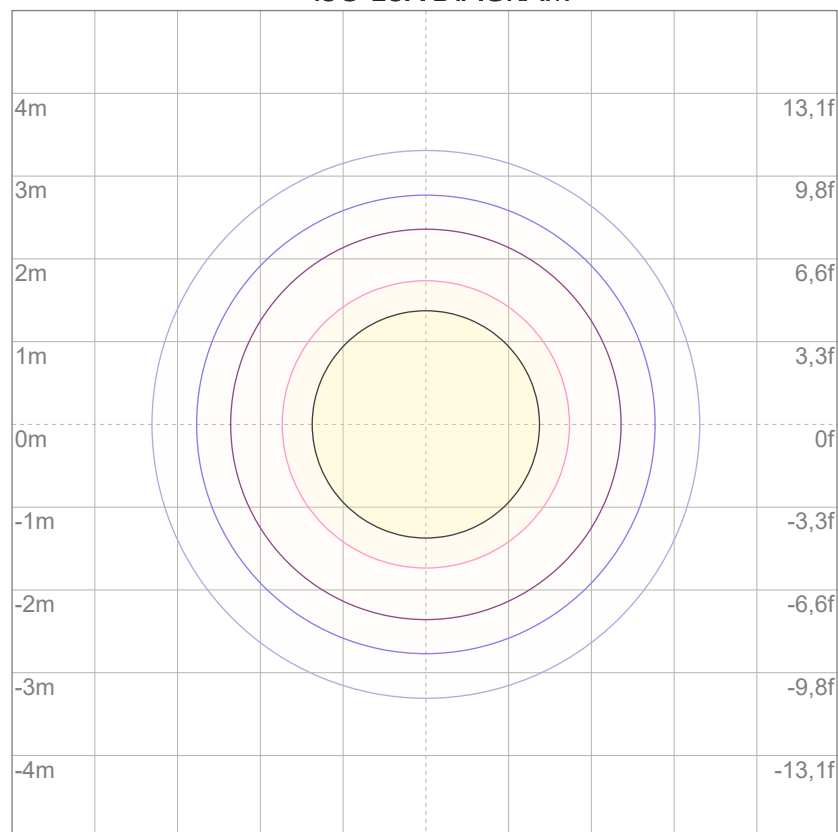
10%	11328 cd
20%	22656 cd
30%	33984 cd
40%	45312 cd
50%	56640 cd
60%	67967 cd
70%	79295 cd
80%	90623 cd

### Conditions:

Number of c-planes: 2

Candela at center: 113279 cd

## ISO LUX DIAGRAM



3%	34,0 lx
5%	56,6 lx
10%	113 lx
30%	340 lx
50%	566 lx

### Conditions:

Number of c-planes: 2

Lux at center: 1133 lx

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



Total lumen output:

13164 lm

Peak candela output:

127901 cd

Light quality:

CRI: 97,8

Color temperature:

5655 K

**PRODUCT NAME:**

ARCSPOTXLVW

**MEASURAMENT CONDITIONS:**

Beam angle:

15°

Target:

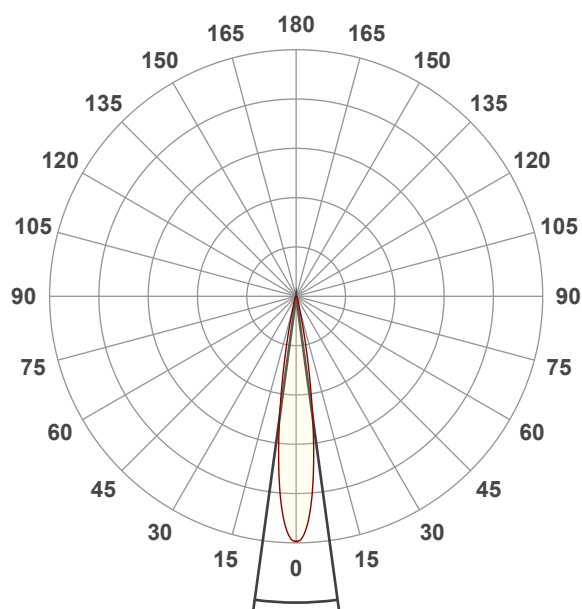
5600K

Operator:

Salvatore Giglio

Date and time:

16/05/2024 12:07:58

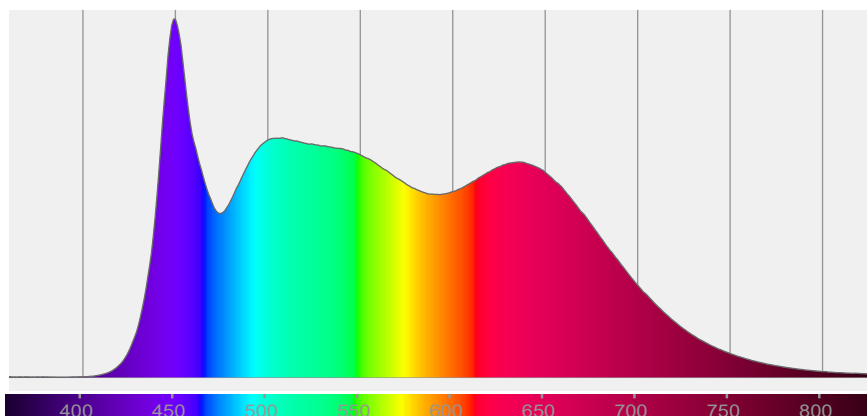


Beam angle 50%: 15,5°

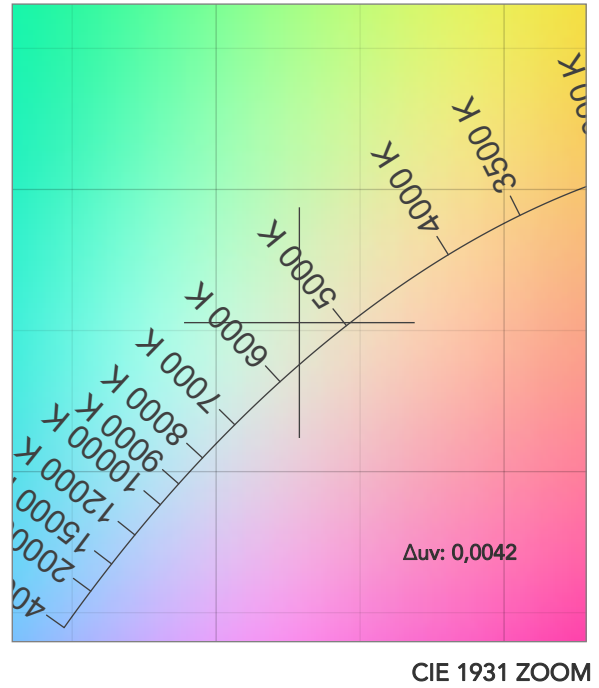
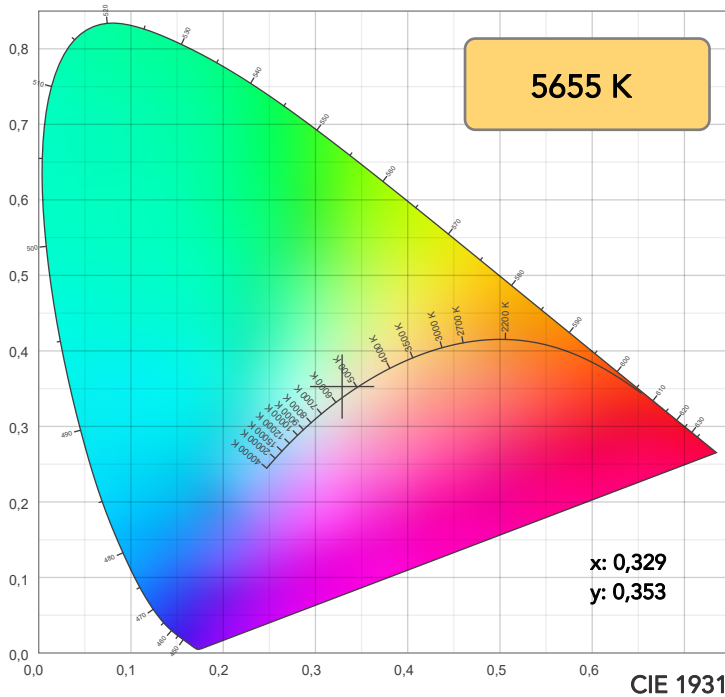
Field angle 10%: 26,3°

Cut off angle 2.5%: 39,7°

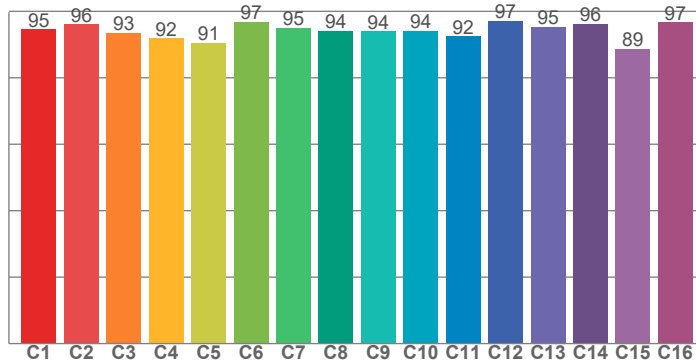
**Spectra**



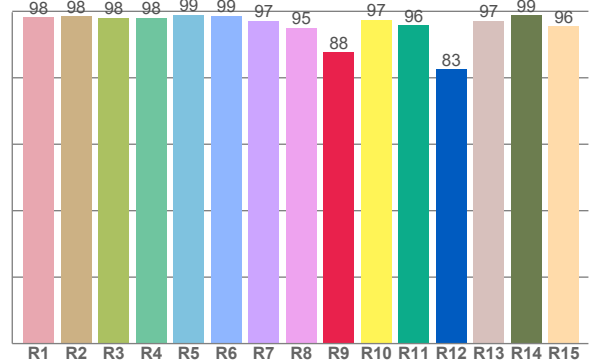
## COLOR DETAILS



TM30: 93,9



CRI: 97,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,2	98,5	98,0	98,1	99,0	98,6	97,1	95,1	87,6	97,4	95,8	82,7	97,2	98,8	95,6

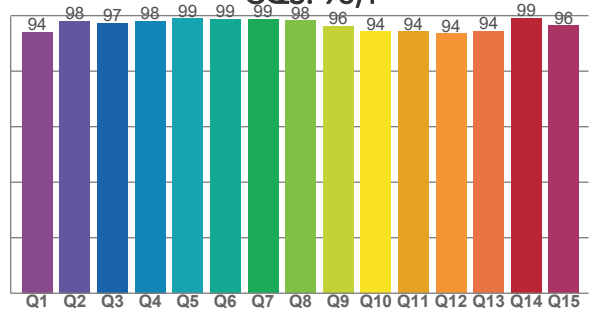
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 96,1

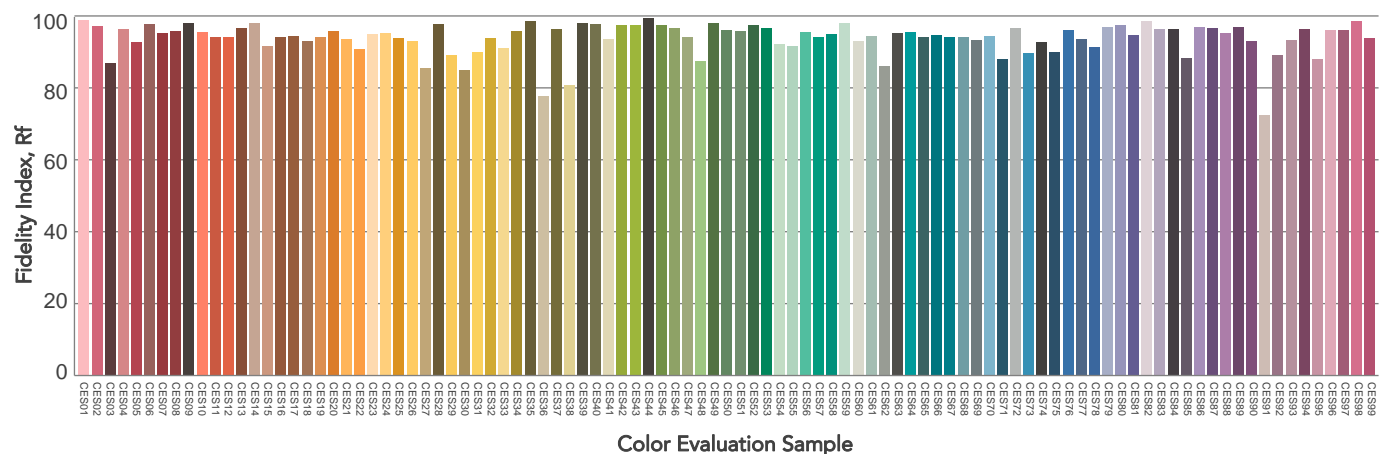


## COLOR PARAMETERS

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	$\Delta uv$
5655 K	97,8	87,6	93,9	100,0	96,1	98	0,329	0,353	0,0042



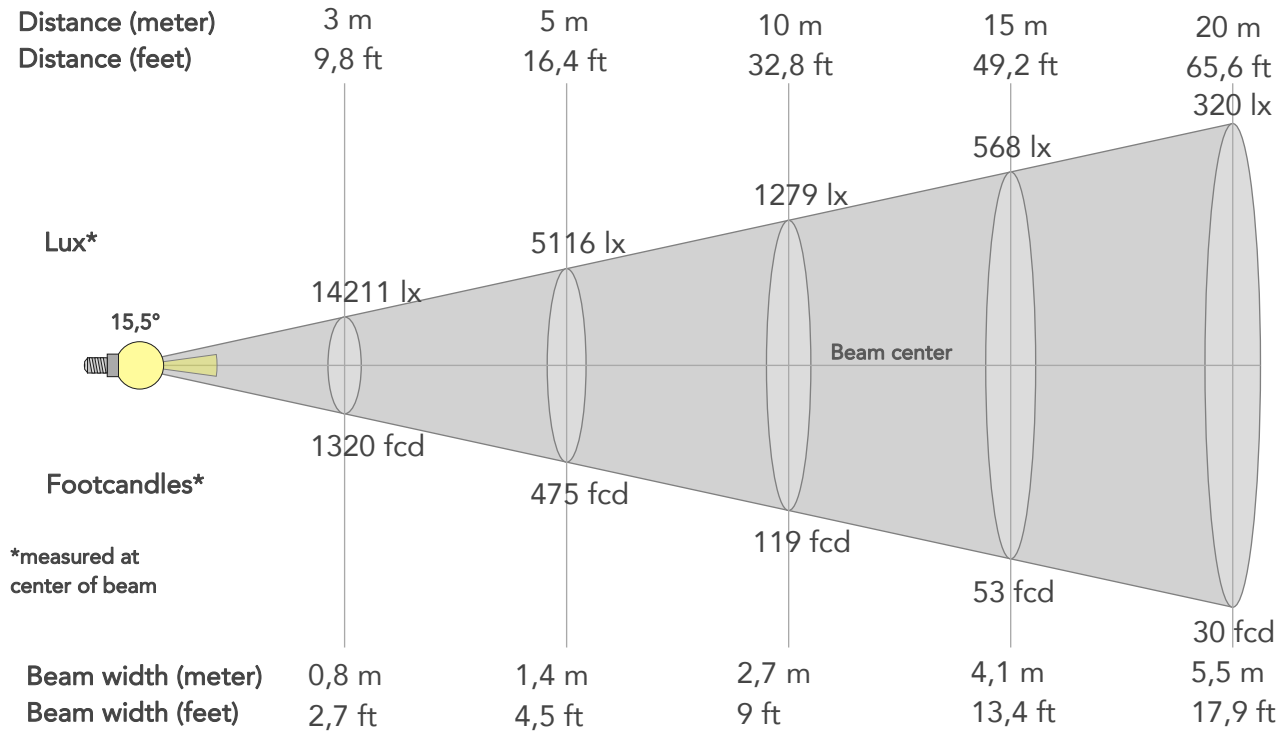
## Gammut index



# BEAM DETAILS



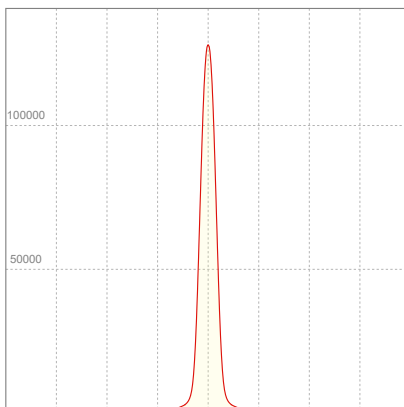
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,5°	26,3°	39,7°	95,1%	90,8%



## 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	127901lx	31975lx	14211lx	7994lx	5116lx	2274lx	1279lx	568lx	320lx	205lx	142lx	80lx	51lx
Footcand.	11882fcd	2971fcd	1320fcd	743fcd	475fcd	211fcd	119fcd	53fcd	30fcd	19fcd	13fcd	7fcd	5fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,4m	2m	2,7m	4,1m	5,5m	6,8m	8,2m	10,9m	13,7m
Beam wid.	0,9ft	1,8ft	2,7ft	3,6ft	4,5ft	6,7ft	9ft	13,4ft	17,9ft	22,4ft	26,9ft	35,8ft	44,8ft

## LINEAR DISTRIBUTION DIAGRAM

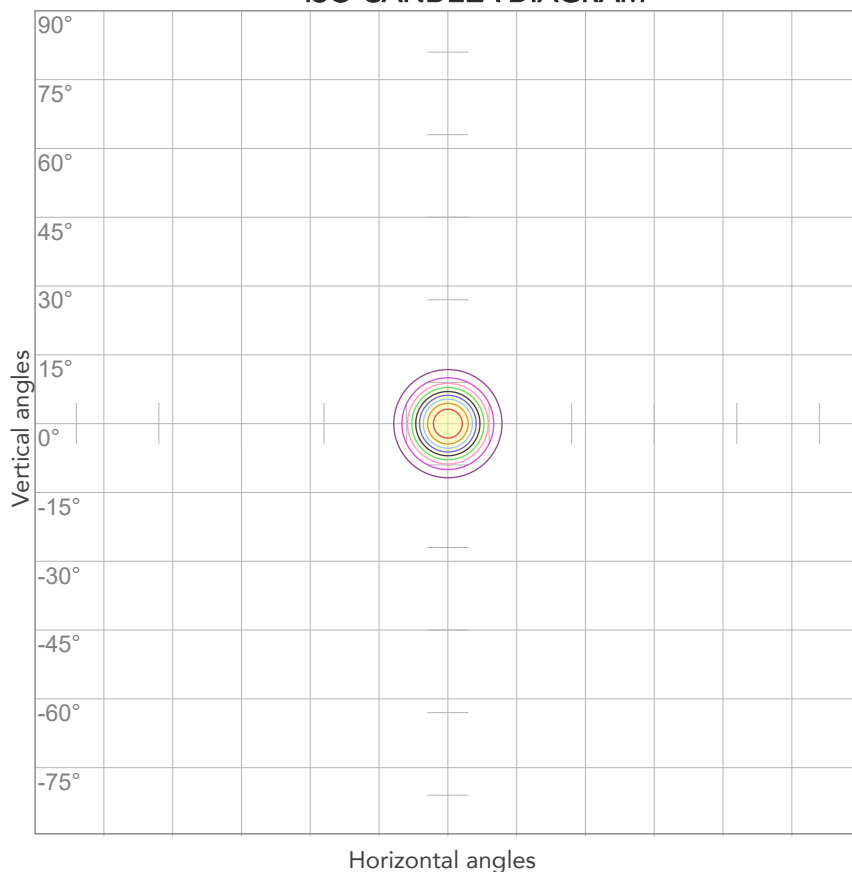


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	1,00A	215W	0,95	61lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



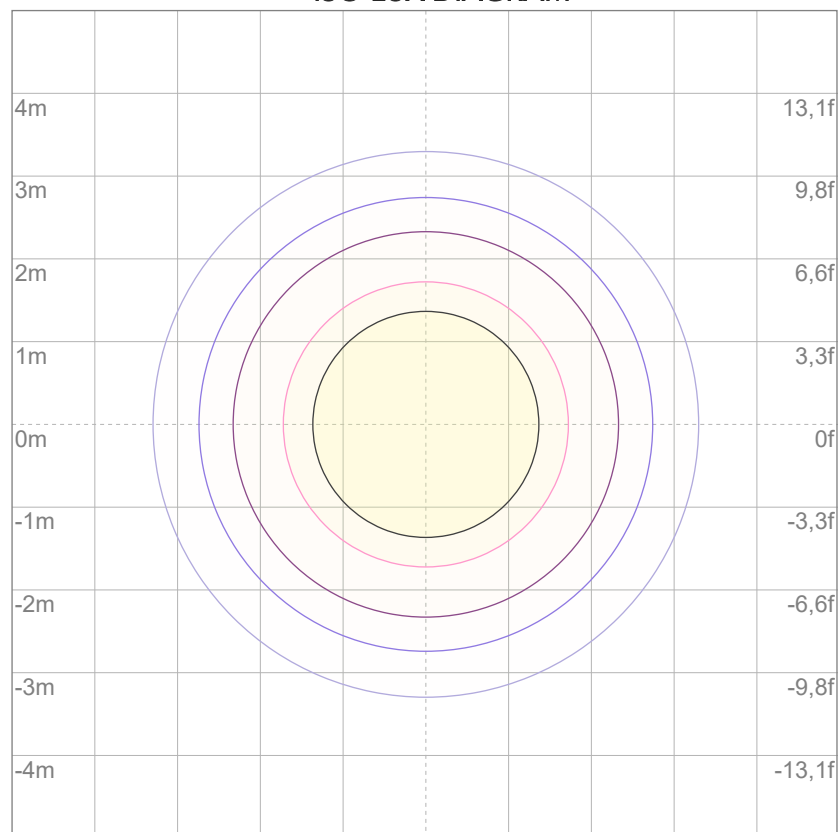
10%	12790 cd
20%	25580 cd
30%	38370 cd
40%	51160 cd
50%	63950 cd
60%	76741 cd
70%	89531 cd
80%	102321 cd

### Conditions:

Number of c-planes: 2

Candela at center: 127901 cd

## ISO LUX DIAGRAM



3%	38,4 lx
5%	64,0 lx
10%	128 lx
30%	384 lx
50%	640 lx

### Conditions:

Number of c-planes: 2

Lux at center: 1279 lx

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



Total lumen output:

13580 lm

Peak candela output:

132164 cd

Light quality:

CRI: 97,8

Color temperature:

6052 K

**PRODUCT NAME:**

ARCSPOTXLVW

**MEASURAMENT CONDITIONS:**

Beam angle:

15°

Target:

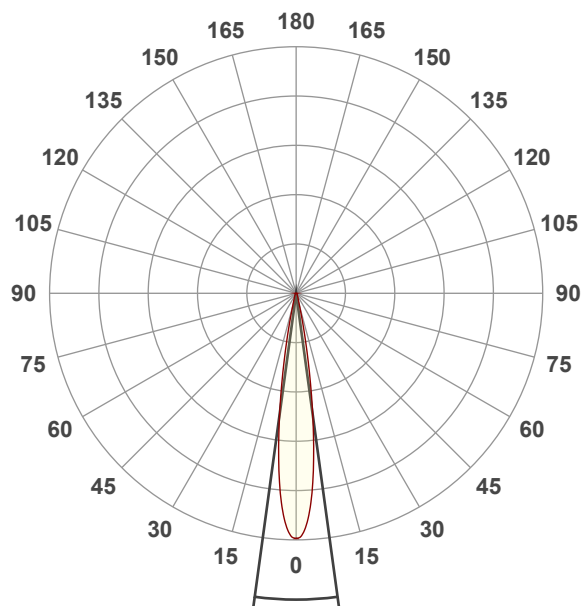
6000K

Operator:

Salvatore Giglio

Date and time:

16/05/2024 12:15:28

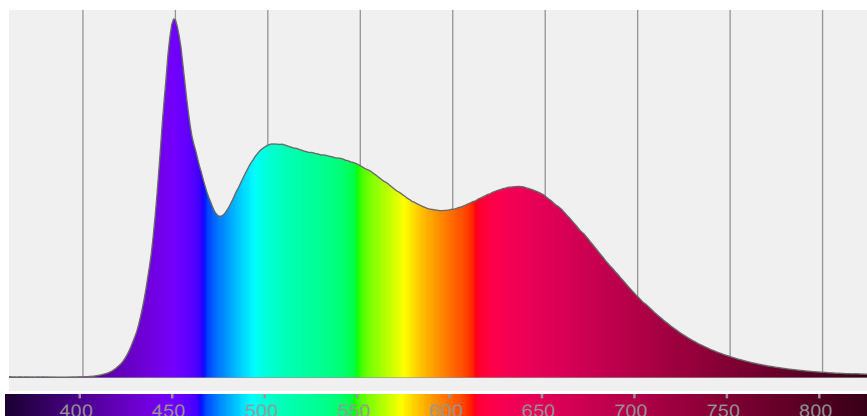


Beam angle 50%: 15,5°

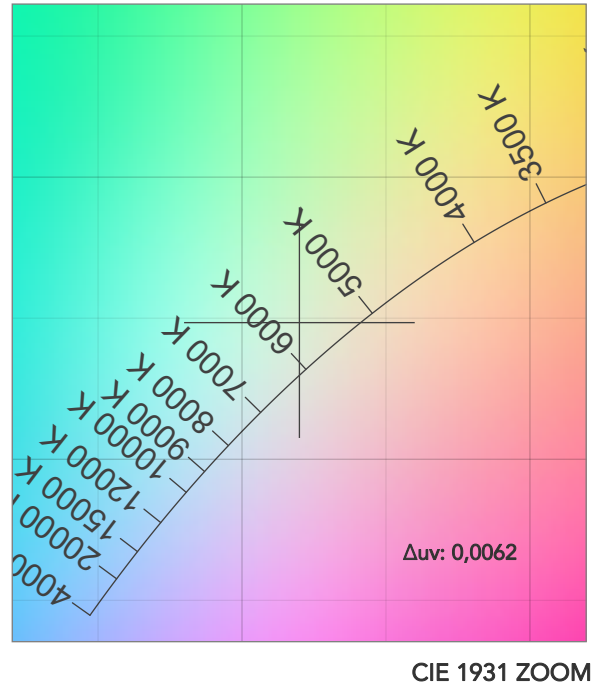
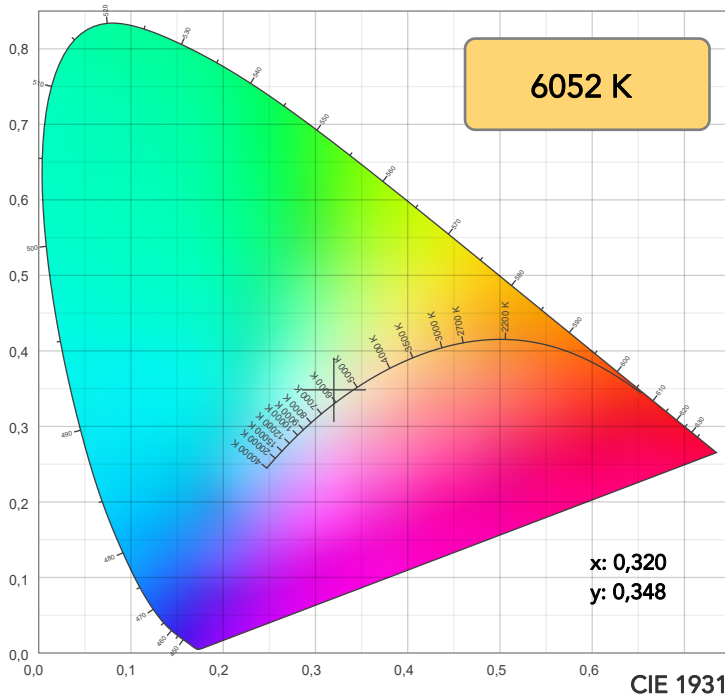
Field angle 10%: 26,3°

Cut off angle 2.5%: 39,7°

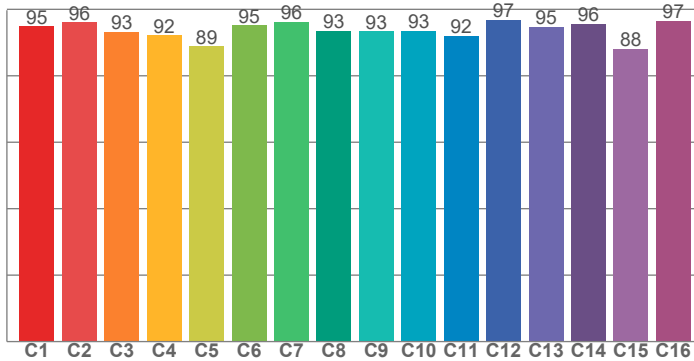
**Spectra**



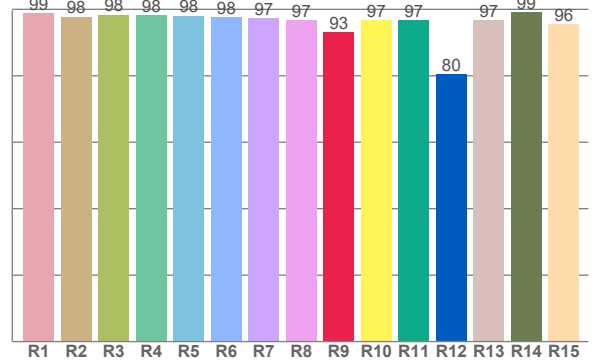
# COLOR DETAILS



**TM30: 93,4**



**CRI: 97,8 (R1-R8)**



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,8	97,7	98,4	98,1	98,1	97,6	97,2	96,7	93,0	96,6	96,7	80,5	96,7	99,0	95,6

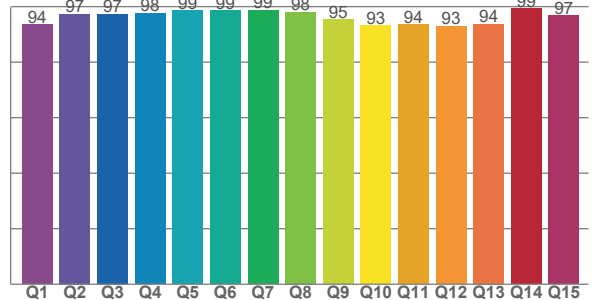
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

**CQS: 95,7**



## COLOR PARAMETERS

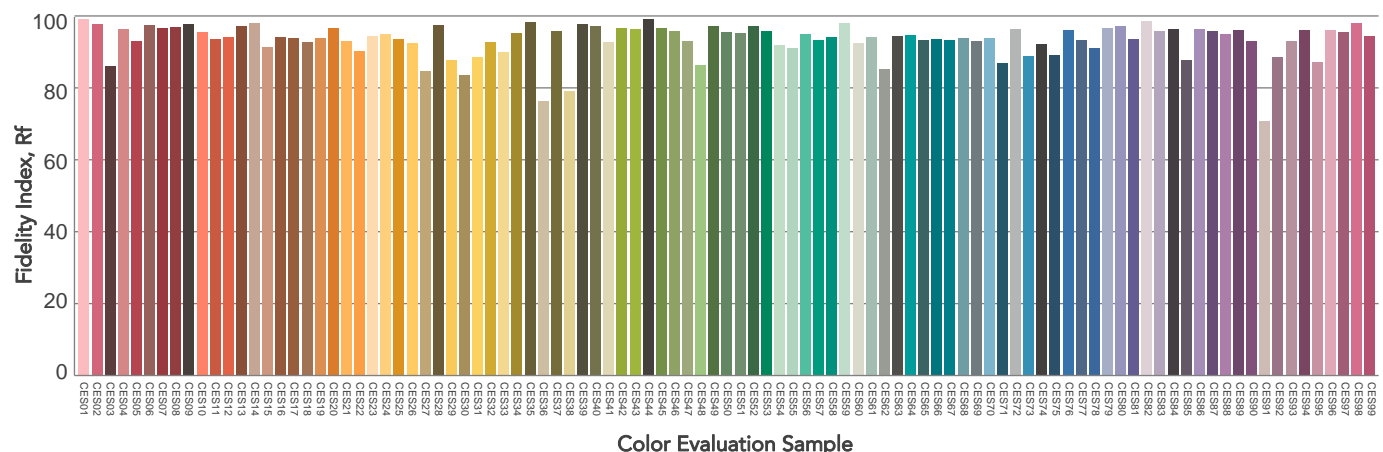
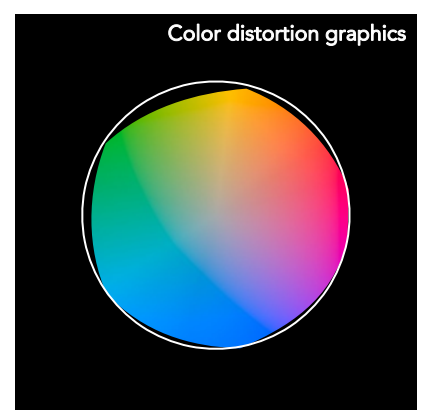
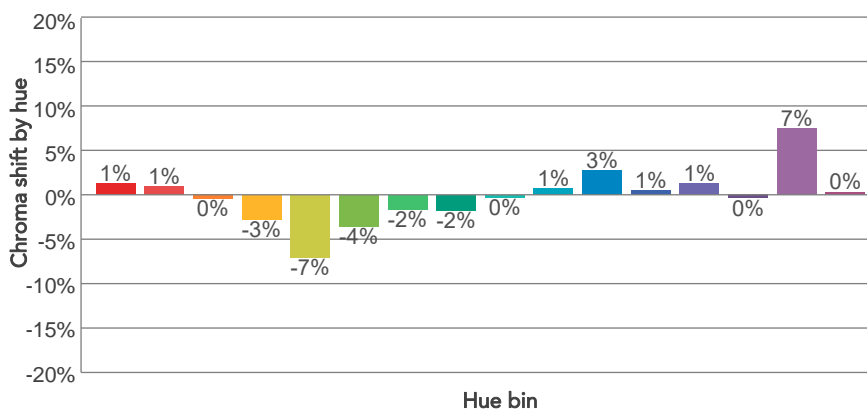
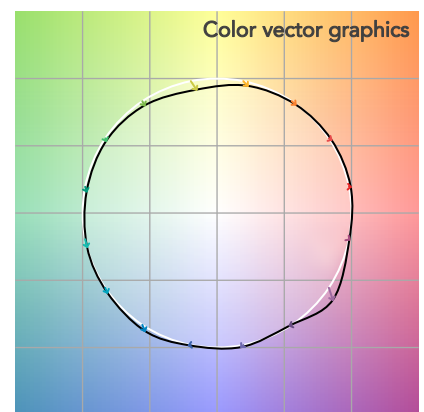
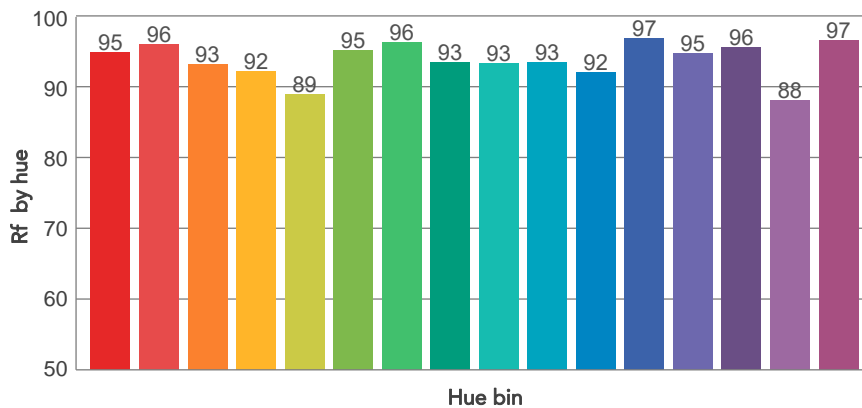
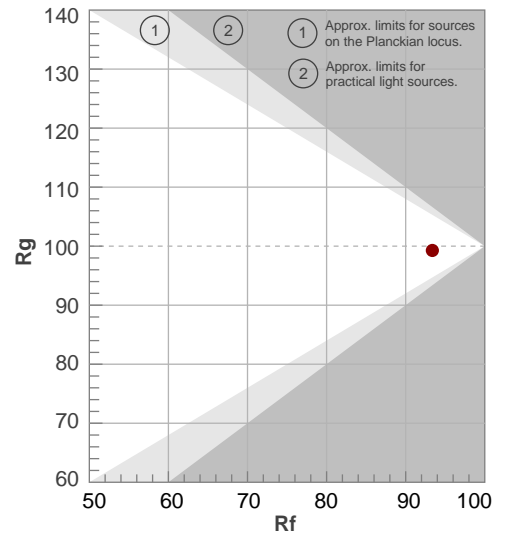
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
6052 K	97,8	93,0	93,4	99,3	95,7	98	0,320	0,348	0,0062

# TM30 DETAILS

**Rf 93,4**  
Fidelity index Rf

**Rg 99,3**  
Gammut index

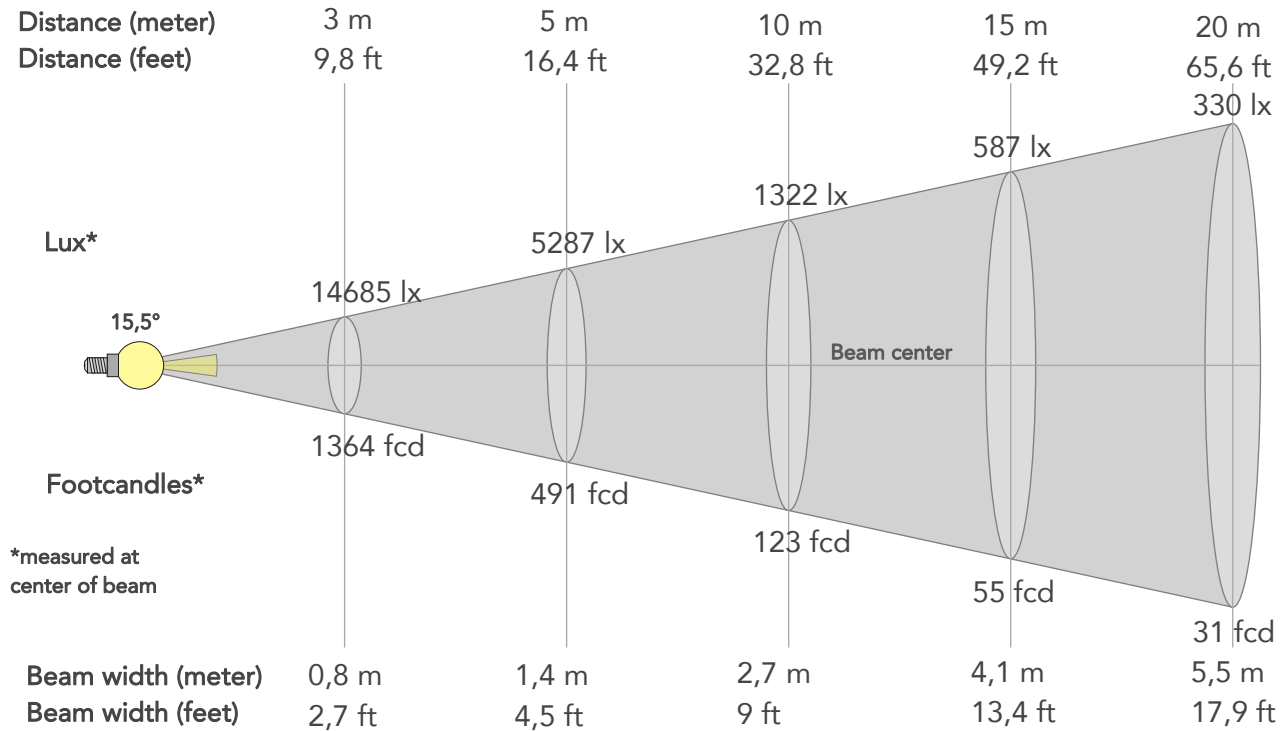
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	1%	0%
2	96	1%	-2%
3	93	0%	-4%
4	92	-3%	-4%
5	89	-7%	-3%
6	95	-4%	0%
7	96	-2%	1%
8	93	-2%	3%
9	93	0%	6%
10	93	1%	4%
11	92	3%	4%
12	97	1%	-1%
13	95	1%	-2%
14	96	0%	-2%
15	88	7%	-6%
16	97	0%	0%



# BEAM DETAILS



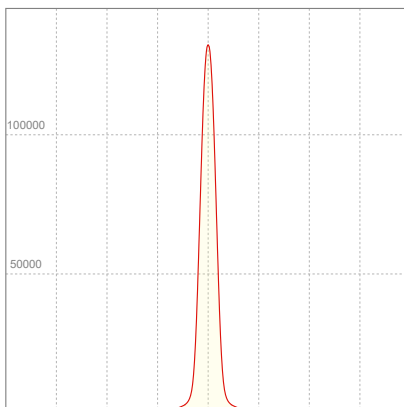
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,5°	26,3°	39,7°	95,2%	90,8%



## 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	132164lx	33041lx	14685lx	8260lx	5287lx	2350lx	1322lx	587lx	330lx	211lx	147lx	83lx	53lx
Footcand.	12278fcd	3070fcd	1364fcd	767fcd	491fcd	218fcd	123fcd	55fcd	31fcd	20fcd	14fcd	8fcd	5fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,4m	2m	2,7m	4,1m	5,5m	6,8m	8,2m	10,9m	13,6m
Beam wid.	0,9ft	1,8ft	2,7ft	3,6ft	4,5ft	6,7ft	9ft	13,4ft	17,9ft	22,4ft	26,9ft	35,8ft	44,8ft

## LINEAR DISTRIBUTION DIAGRAM

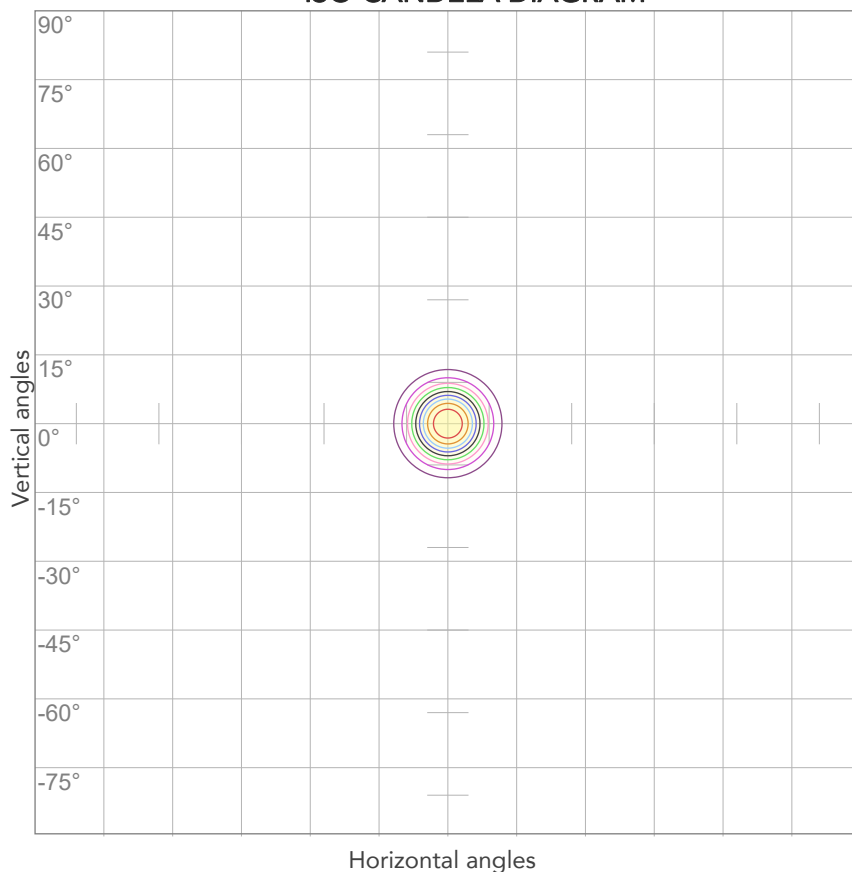


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,000A	0,00W	n/a	n/alm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



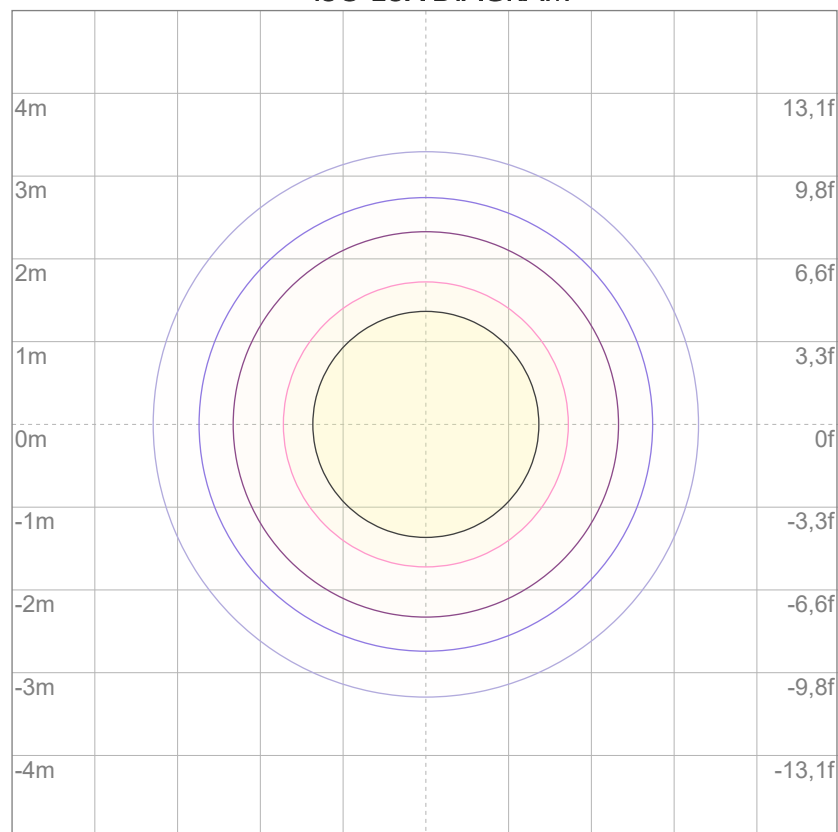
10%	13216 cd
20%	26433 cd
30%	39649 cd
40%	52866 cd
50%	66082 cd
60%	79298 cd
70%	92515 cd
80%	105731 cd

### Conditions:

Number of c-planes: 2

Candela at center: 132164 cd

## ISO LUX DIAGRAM



3%	39,6 lx
5%	66,1 lx
10%	132 lx
30%	396 lx
50%	661 lx

### Conditions:

Number of c-planes: 2

Lux at center: 1322 lx

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





Total lumen output:

13791 lm

Peak candela output:

134679 cd

Light quality:

CRI: 96,9

Color temperature:

6566 K

**PRODUCT NAME:**

ARCSPOTXLVW

**MEASURAMENT CONDITIONS:**

Beam angle:

15°

Target:

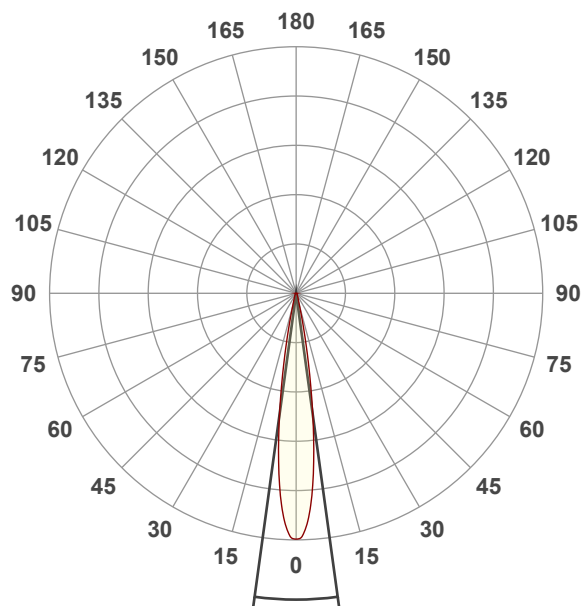
6500K

Operator:

Salvatore Giglio

Date and time:

16/05/2024 12:18:29

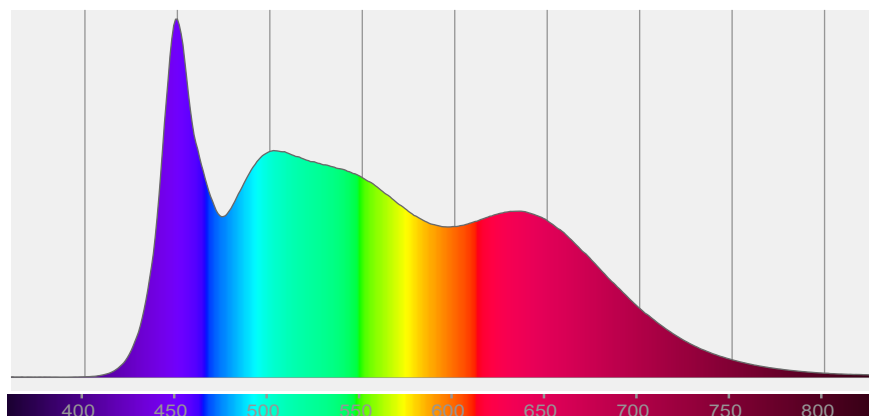


Beam angle 50%: 15,6°

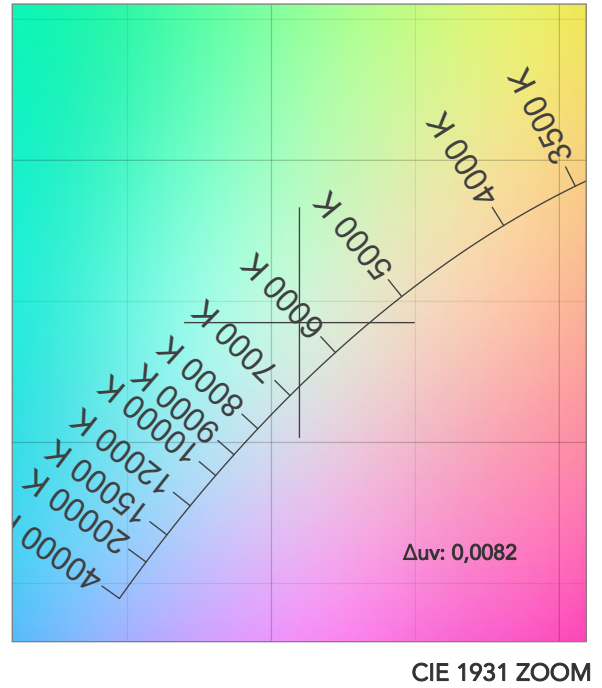
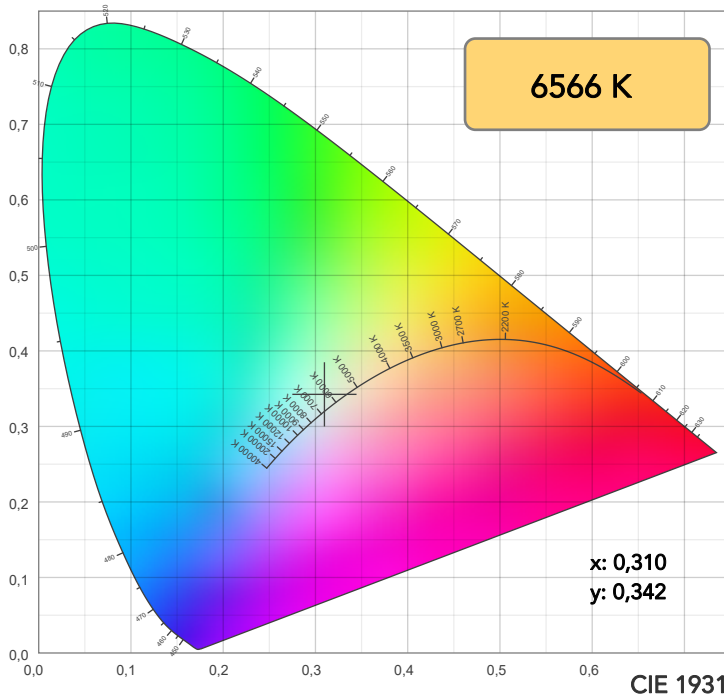
Field angle 10%: 26,3°

Cut off angle 2.5%: 39,8°

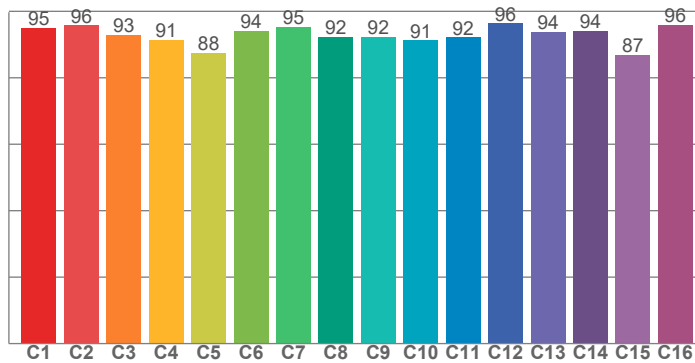
**Spectra**



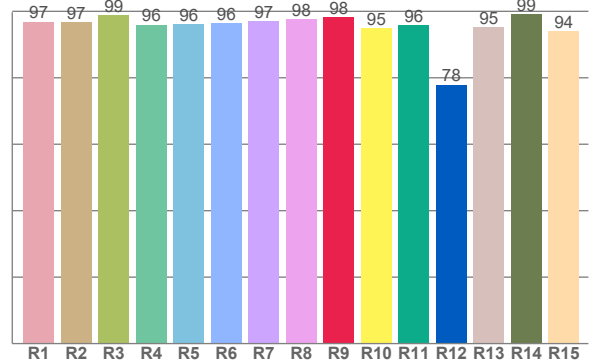
## COLOR DETAILS



**TM30: 92,6**



**CRI: 96,9 (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
96,9	96,7	98,9	96,0	96,0	96,3	97,1	97,5	98,2	95,0	95,7	77,9	95,1	99,1	94,0

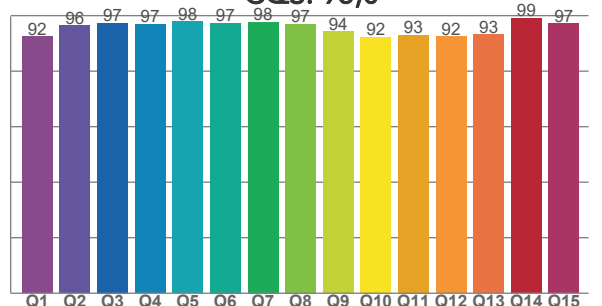
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

**CQS: 95,0**



## COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
6566 K	96,9	98,2	92,6	97,9	95,0	98	0,310	0,342	0,0082

## TM30 DETAILS

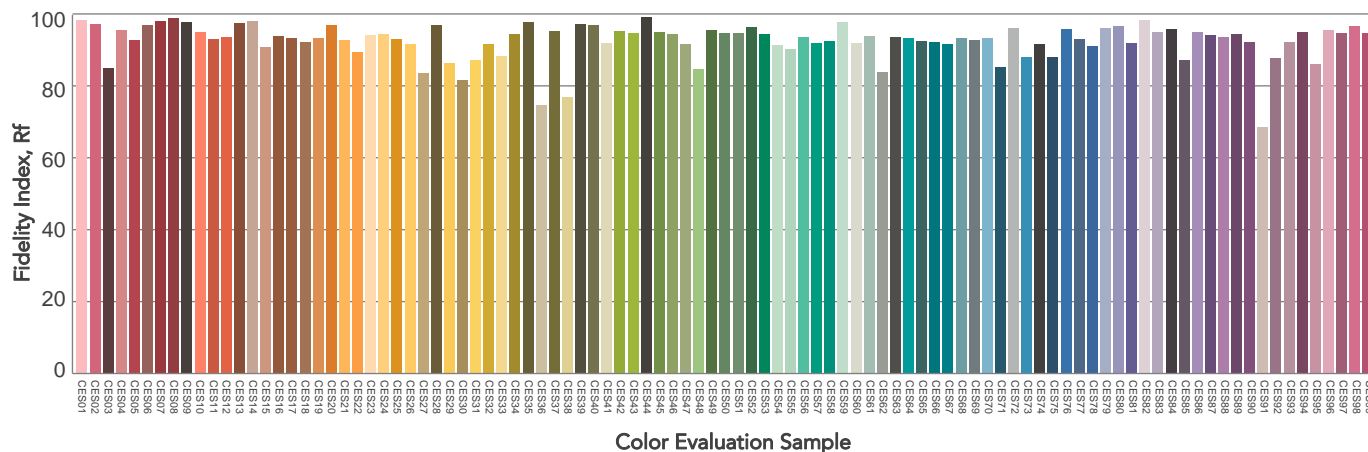
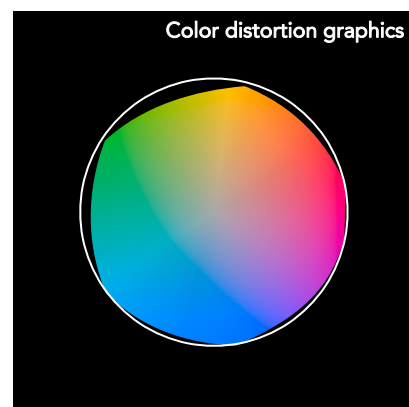
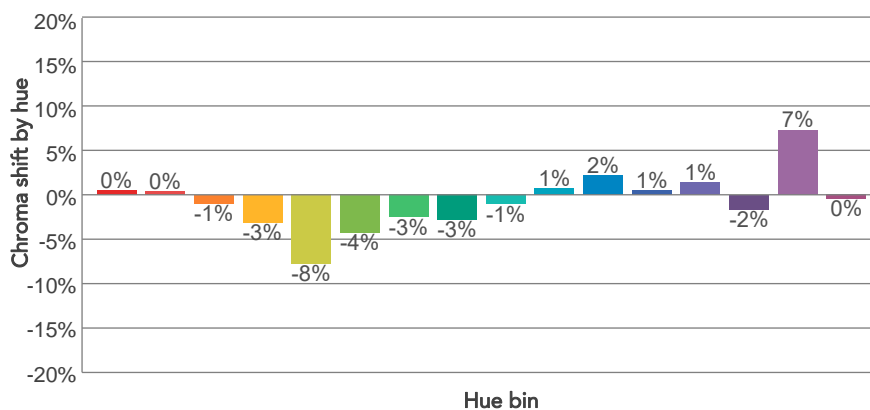
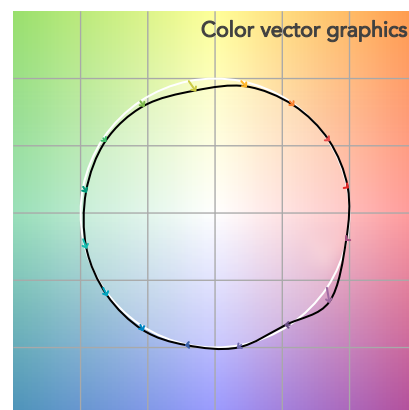
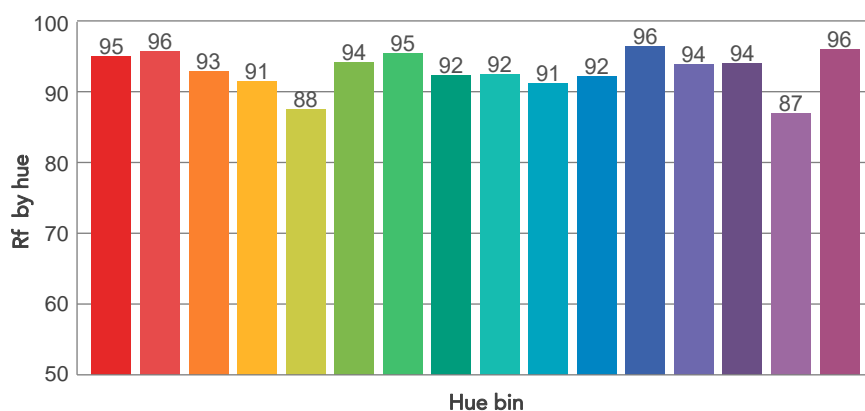
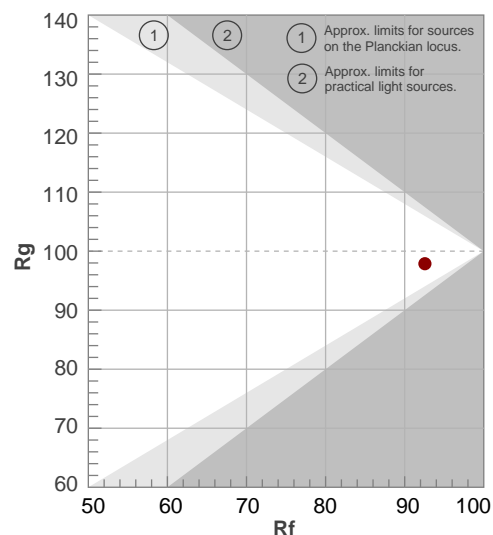
**Rf 92,6**

Fidelity index Rf

**Rg 97,9**

Gammut index

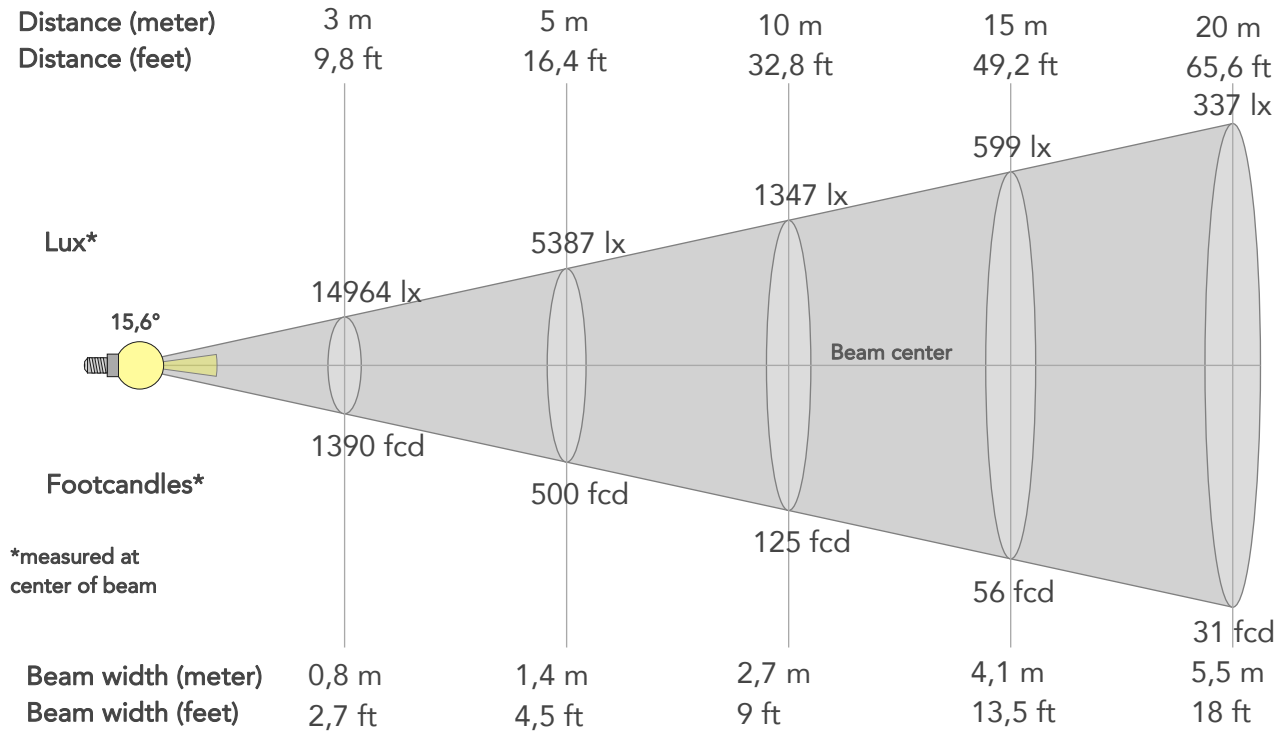
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	0%	-1%
2	96	0%	-2%
3	93	-1%	-4%
4	91	-3%	-4%
5	88	-8%	-3%
6	94	-4%	0%
7	95	-3%	1%
8	92	-3%	3%
9	92	-1%	6%
10	91	1%	6%
11	92	2%	4%
12	96	1%	-2%
13	94	1%	-3%
14	94	-2%	-3%
15	87	7%	-8%
16	96	0%	-1%



# BEAM DETAILS



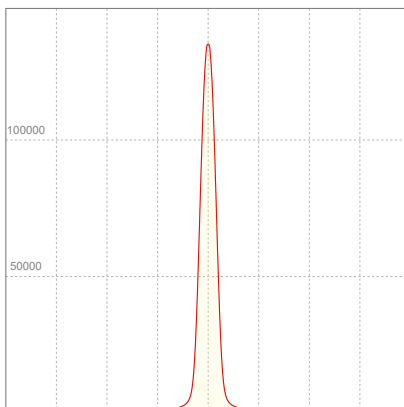
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,6°	26,3°	39,8°	95,7%	91,5%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	134679lx	33670lx	14964lx	8417lx	5387lx	2394lx	1347lx	599lx	337lx	215lx	150lx	84lx	54lx
Footcand.	12512fcd	3128fcd	1390fcd	782fcd	500fcd	222fcd	125fcd	56fcd	31fcd	20fcd	14fcd	8fcd	5fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,4m	2,1m	2,7m	4,1m	5,5m	6,8m	8,2m	11m	13,7m
Beam wid.	0,9ft	1,8ft	2,7ft	3,6ft	4,5ft	6,7ft	9ft	13,5ft	18ft	22,5ft	26,9ft	35,9ft	44,9ft

## LINEAR DISTRIBUTION DIAGRAM

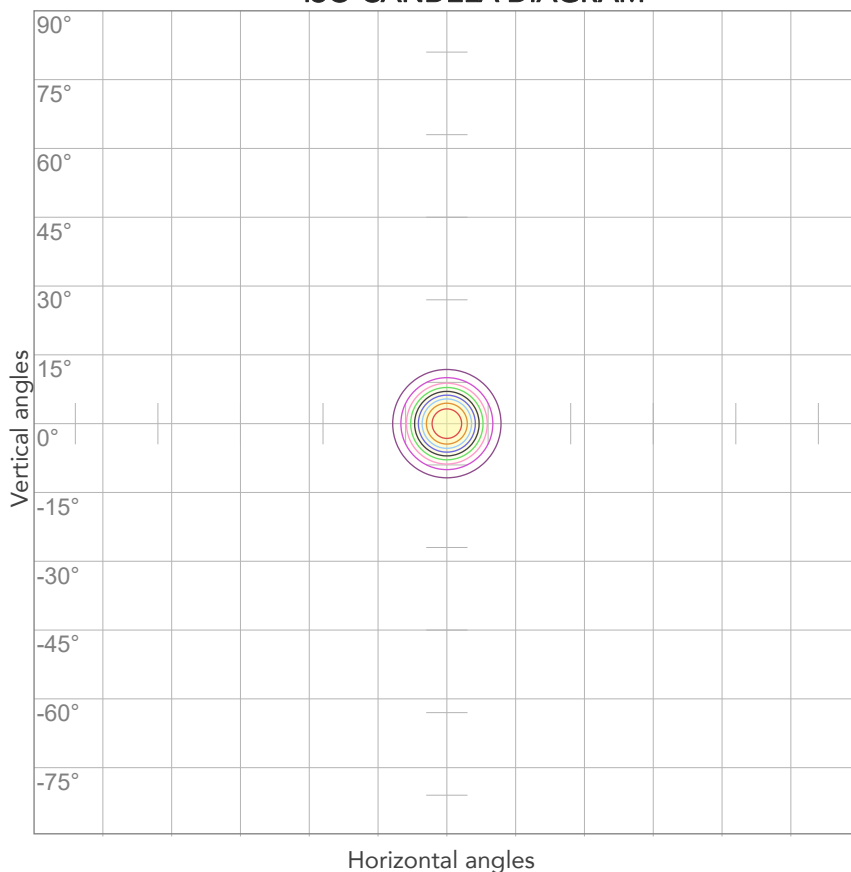


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	1,00A	215,7W	0,95	64lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



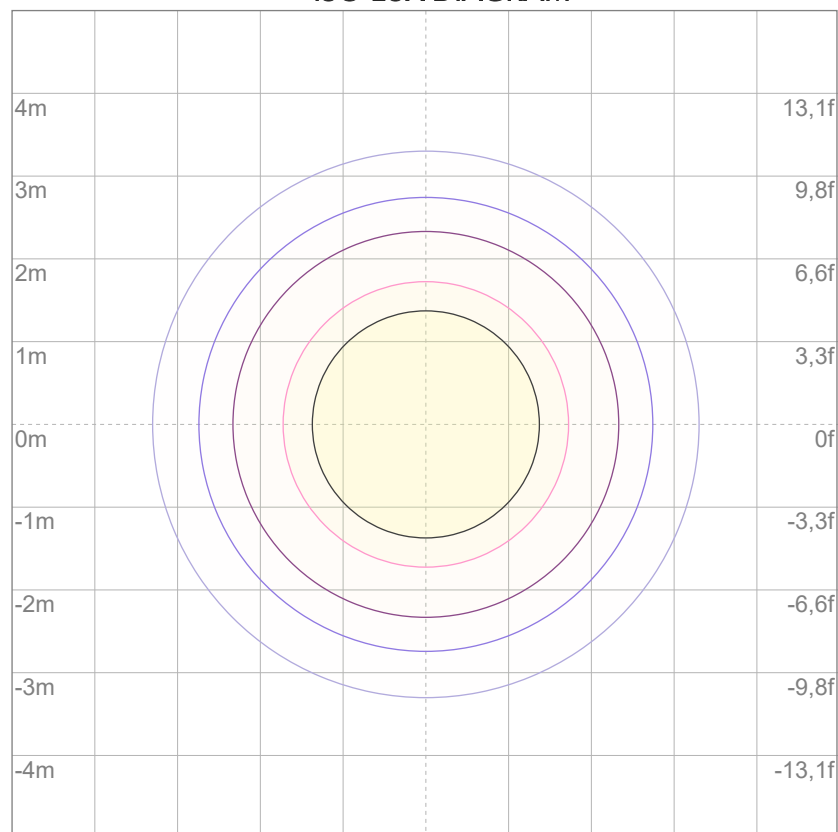
10%	13468 cd
20%	26936 cd
30%	40404 cd
40%	53872 cd
50%	67340 cd
60%	80808 cd
70%	94276 cd
80%	107744 cd

### Conditions:

Number of c-planes: 2

Candela at center: 134679 cd

## ISO LUX DIAGRAM



3%	40,4 lx
5%	67,3 lx
10%	135 lx
30%	404 lx
50%	673 lx

### Conditions:

Number of c-planes: 2

Lux at center: 1347 lx

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