

# Photometric Test Report



## ArcSpot XLVW

IP66 Spot featuring 13'000 lumen with  
61 x 4W Variable White source,  
25° Degree Lens

## CONTENTS

Table of contents	2
Testing process	3
Color preset:	
Full On	4
Warm White	9
Cold White	14
2700K	19
2800K	24
3200K	29
4000K	34
6000K	39
6500K	44

## 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:

12017 lm

Peak candela output:

67055 cd

Light quality:

CRI: 96,0

Color temperature:

4428 K

**PRODUCT NAME:**

ARCSPOTXLVW

**MEASURAMENT CONDITIONS:**

Beam angle:

25°

Target:

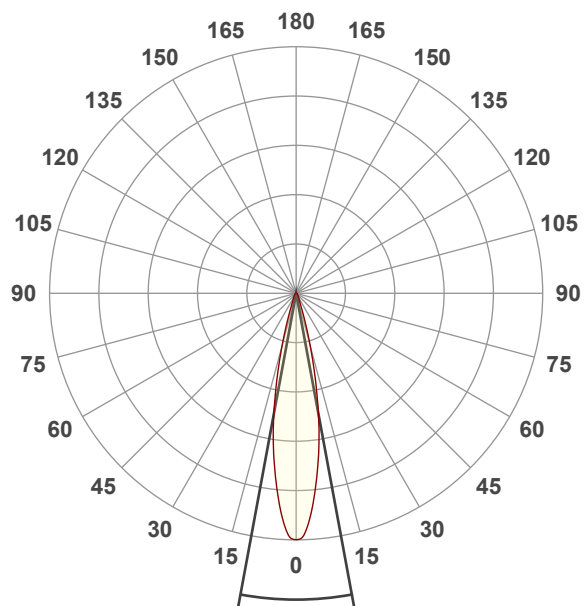
Full On

Operator:

Salvatore Giglio

Date and time:

15/05/2024 17:10:02

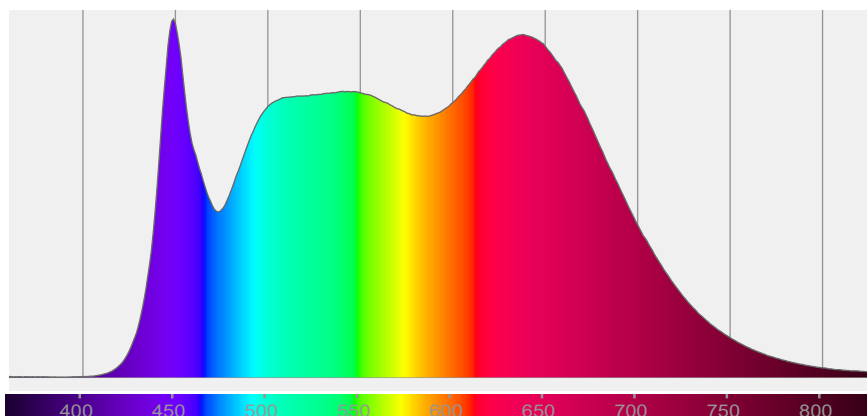


Beam angle 50%: 20,9°

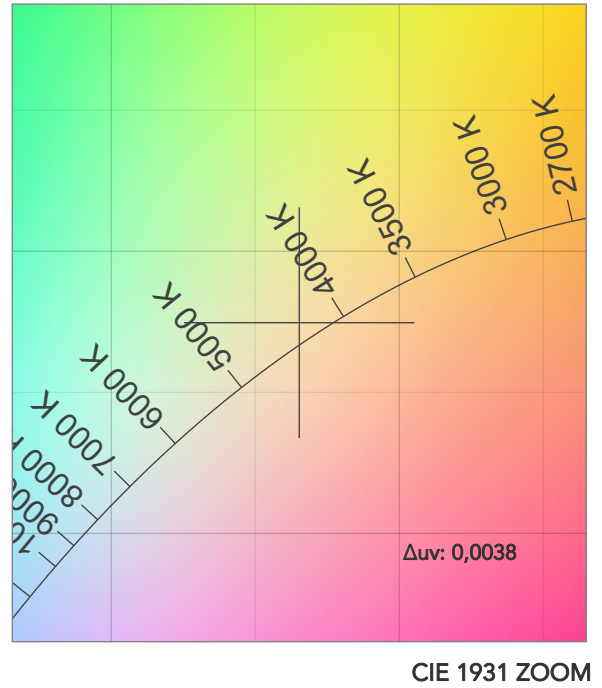
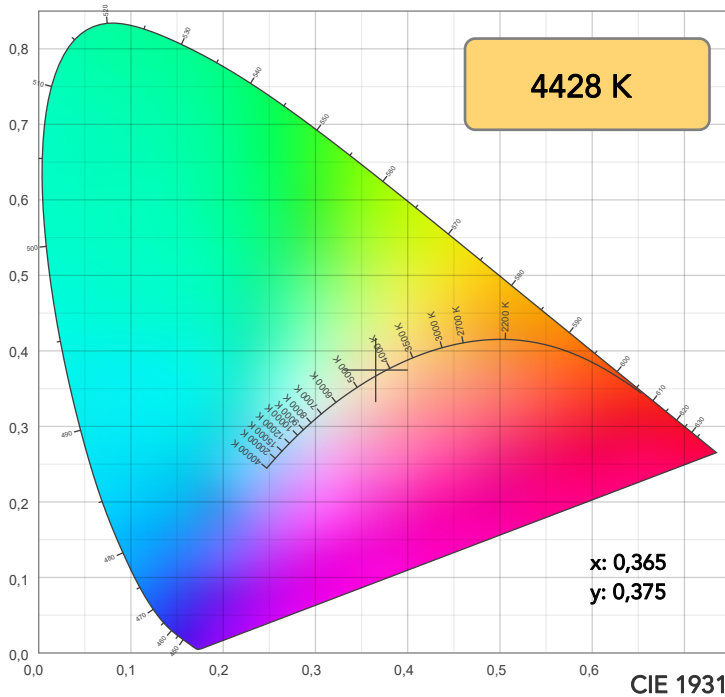
Field angle 10%: 36,5°

Cut off angle 2.5%: 55,1°

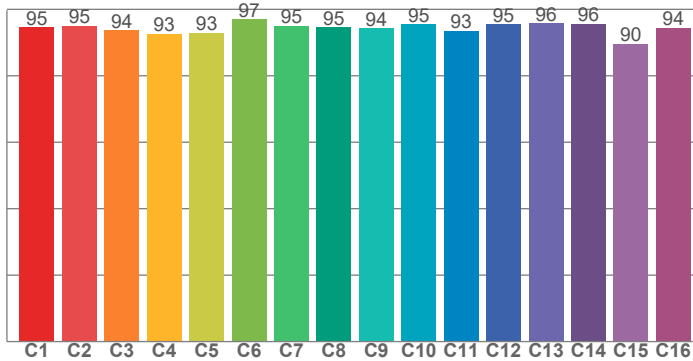
**Spectra**



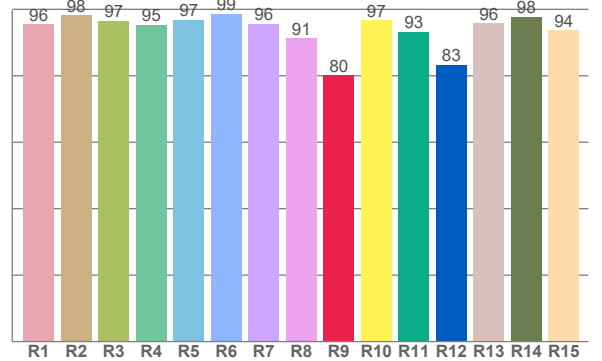
## COLOR DETAILS



TM30: 94,2



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
95,5	98,2	96,6	95,4	96,9	98,6	95,6	91,3	80,1	96,6	93,2	83,3	95,8	97,7	93,6

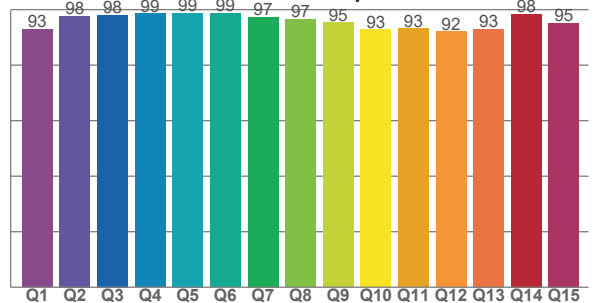
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 95,3



## COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4428 K	96,0	80,1	94,2	101,2	95,3	99	0,365	0,375	0,0038

## TM30 DETAILS

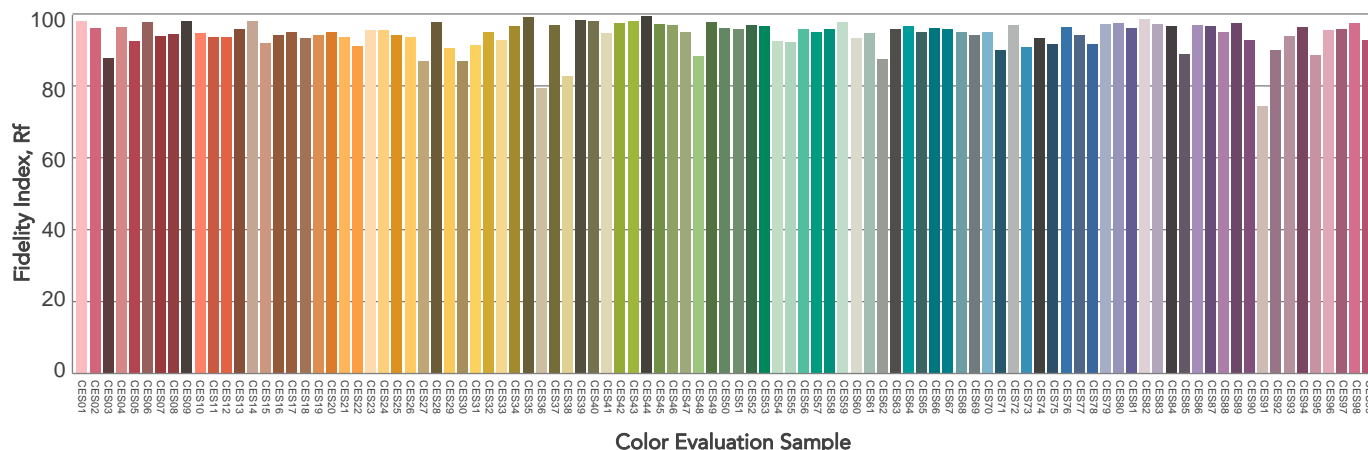
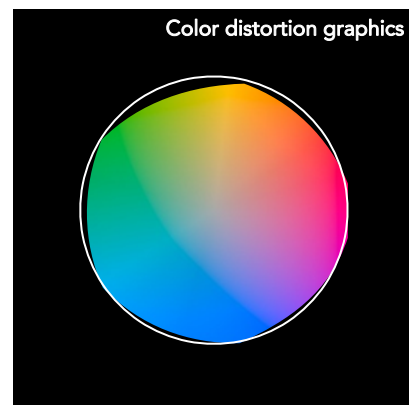
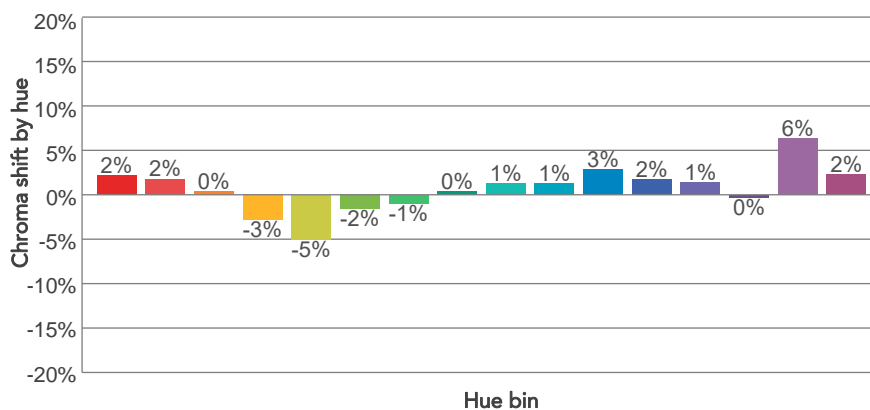
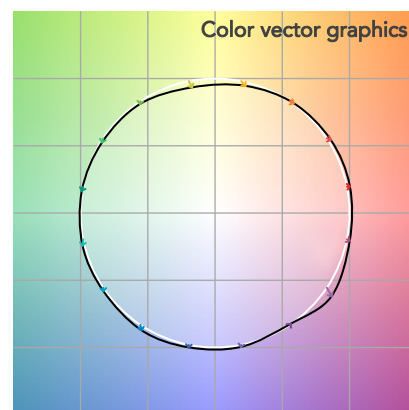
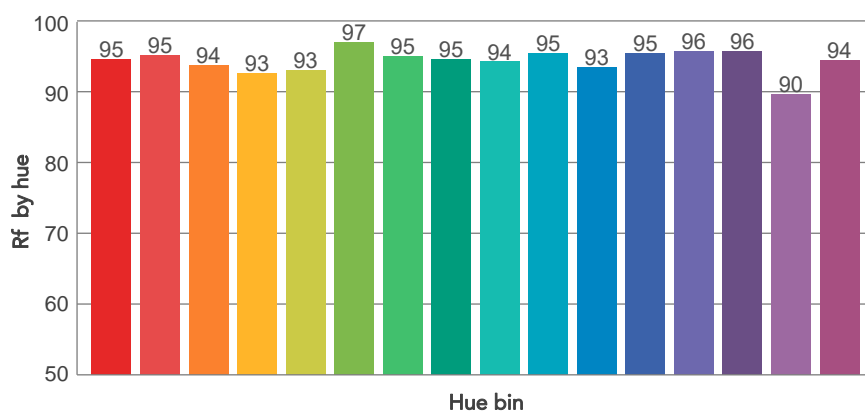
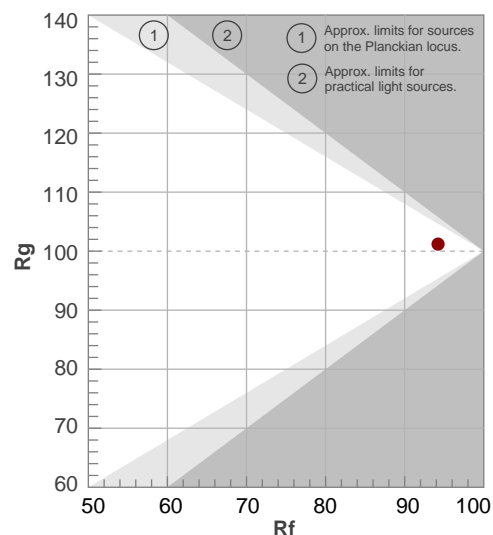
**Rf 94,2**

Fidelity index Rf

**Rg 101,2**

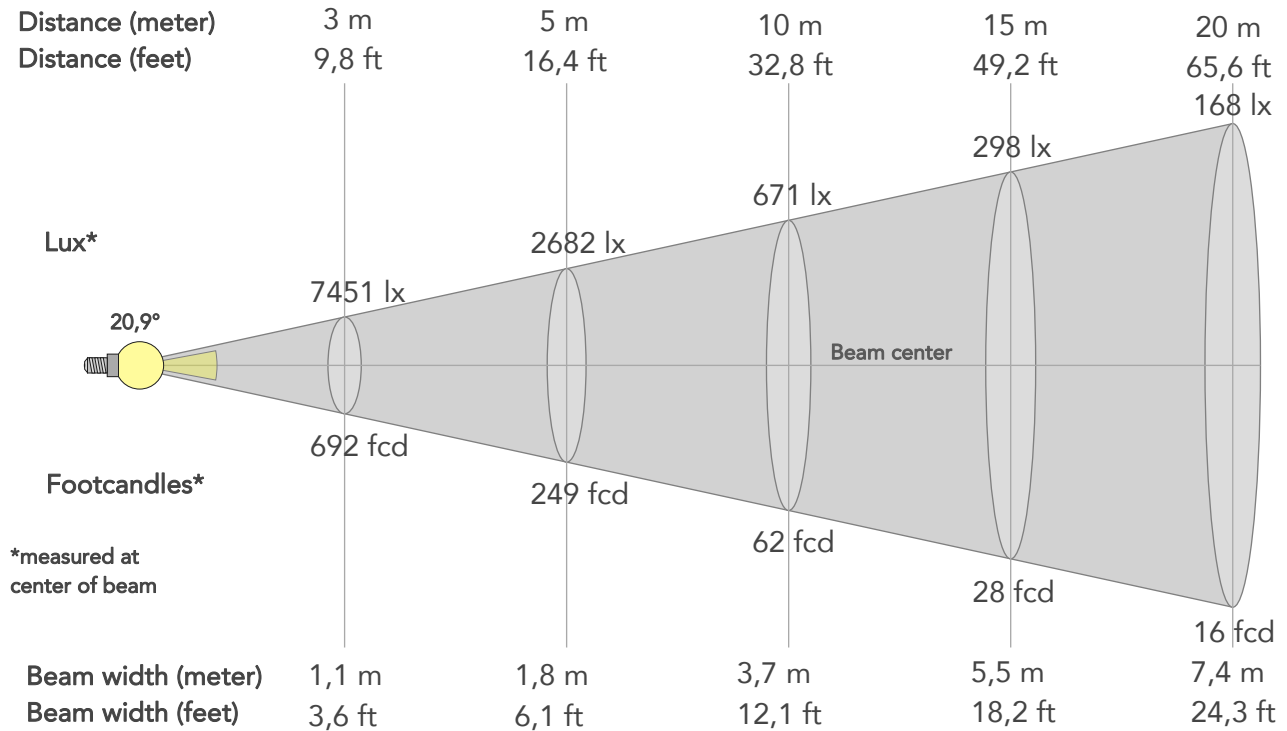
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	0%
2	95	2%	-3%
3	94	0%	-3%
4	93	-3%	-4%
5	93	-5%	-2%
6	97	-2%	1%
7	95	-1%	3%
8	95	0%	3%
9	94	1%	4%
10	95	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

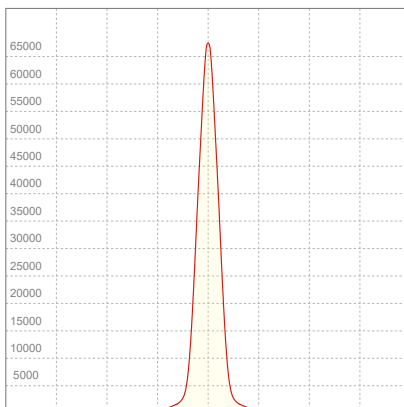
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,9°	36,5°	55,1°	95,4%	90,5%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	67055lx	16764lx	7451lx	4191lx	2682lx	1192lx	671lx	298lx	168lx	107lx	75lx	42lx	27lx
Footcand.	6230fcd	1557fcd	692fcd	389fcd	249fcd	111fcd	62fcd	28fcd	16fcd	10fcd	7fcd	4fcd	2fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,8m	2,8m	3,7m	5,5m	7,4m	9,2m	11,1m	14,8m	18,5m
Beam wid.	1,2ft	2,4ft	3,6ft	4,8ft	6,1ft	9,1ft	12,1ft	18,2ft	24,3ft	30,3ft	36,4ft	48,5ft	60,6ft

## LINEAR DISTRIBUTION DIAGRAM

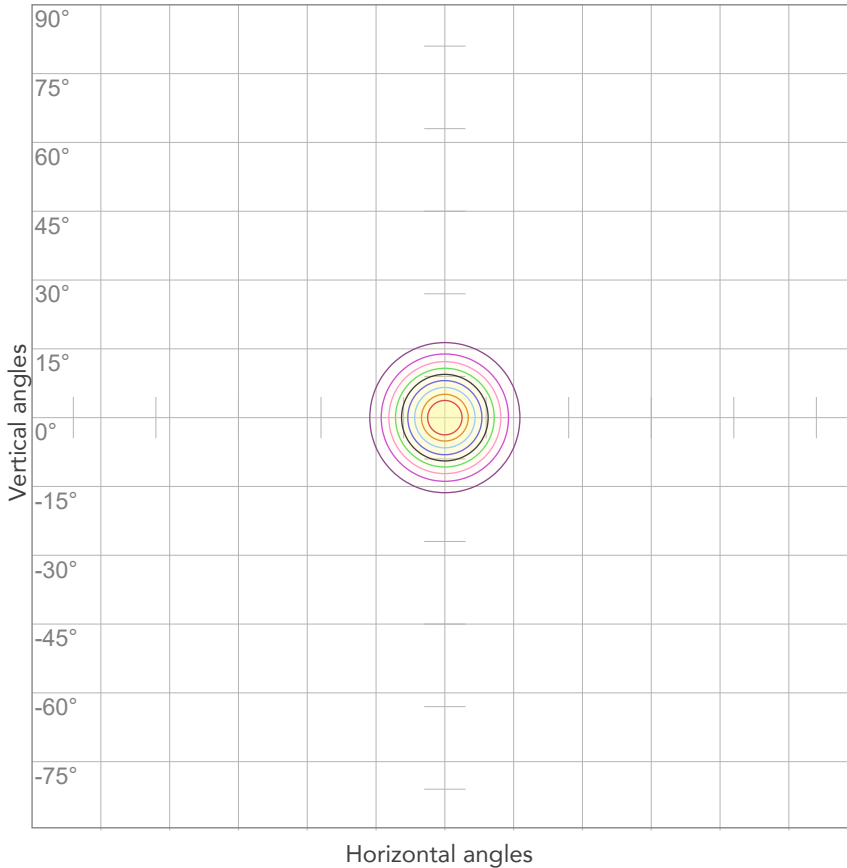


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	1,01A	218W	0,95	55lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



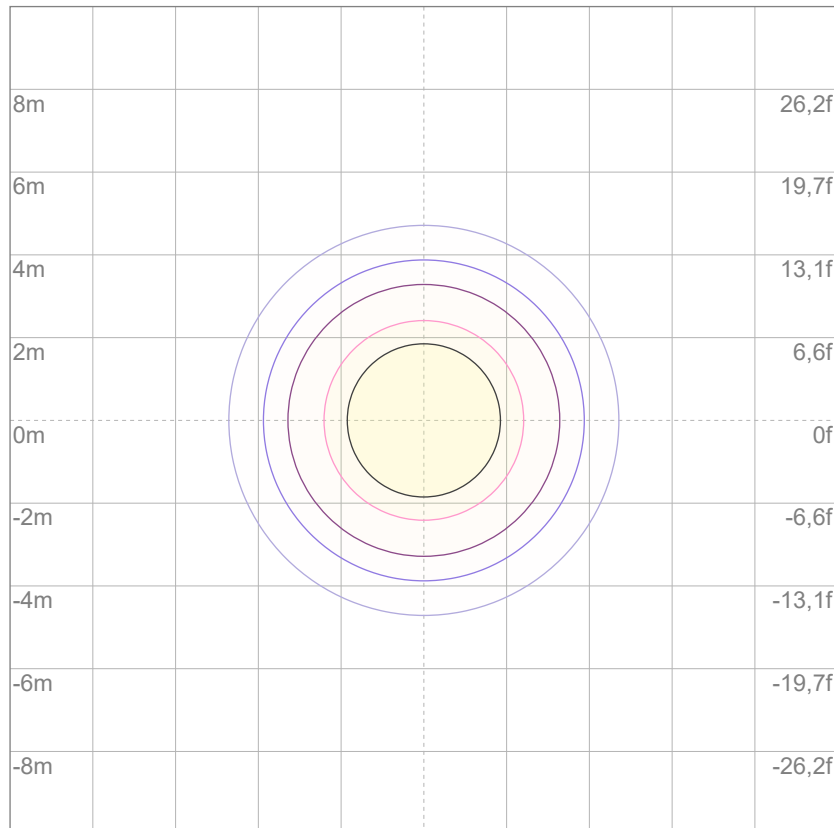
10%	6706 cd
20%	13411 cd
30%	20117 cd
40%	26822 cd
50%	33528 cd
60%	40233 cd
70%	46939 cd
80%	53644 cd

### Conditions:

Number of c-planes: 2

Candela at center: 67055 cd

## ISO LUX DIAGRAM



3%	20,1 lx
5%	33,5 lx
10%	67,1 lx
30%	201 lx
50%	335 lx

### Conditions:

Number of c-planes: 2

Lux at center: 671 lx

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





Total lumen output:

9296 lm

Peak candela output:

51978 cd

Light quality:

CRI: 97,0

Color temperature:

2600 K

**PRODUCT NAME:**

ARCSPOTXLVW

**MEASURAMENT CONDITIONS:**

Beam angle:

25°

Target:

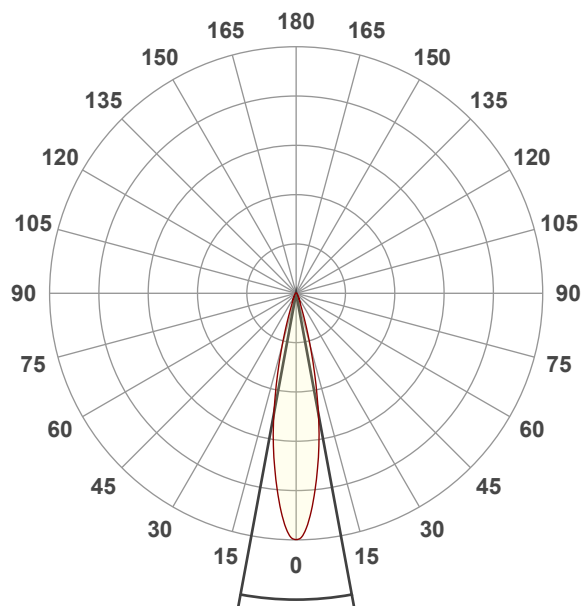
Warm White

Operator:

Salvatore Giglio

Date and time:

15/05/2024 17:13:25

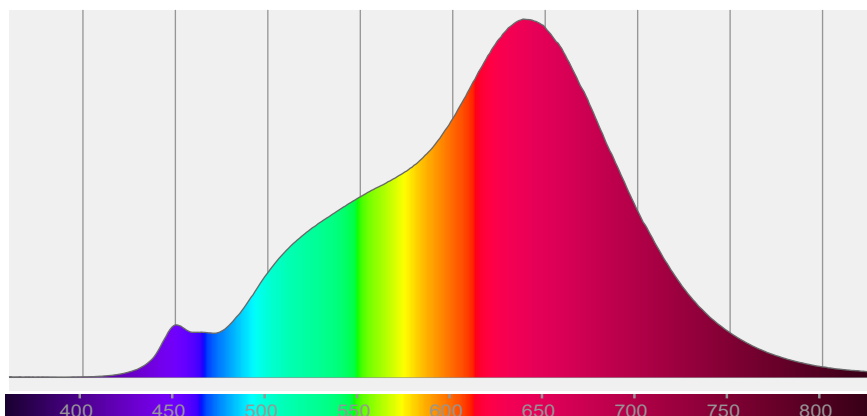


Beam angle 50%: 20,9°

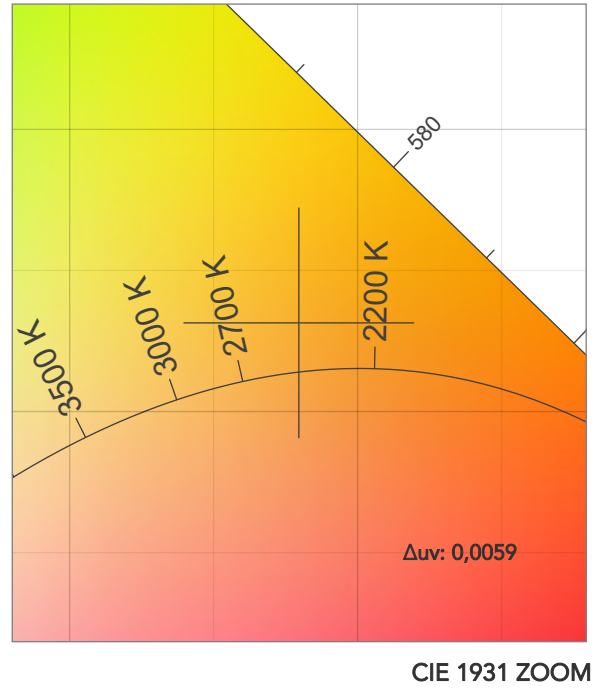
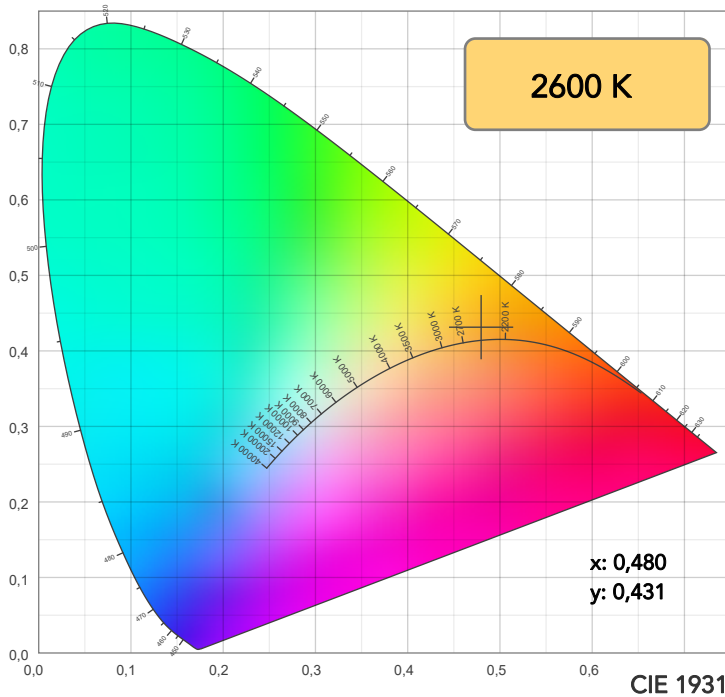
Field angle 10%: 36,5°

Cut off angle 2.5%: 55,3°

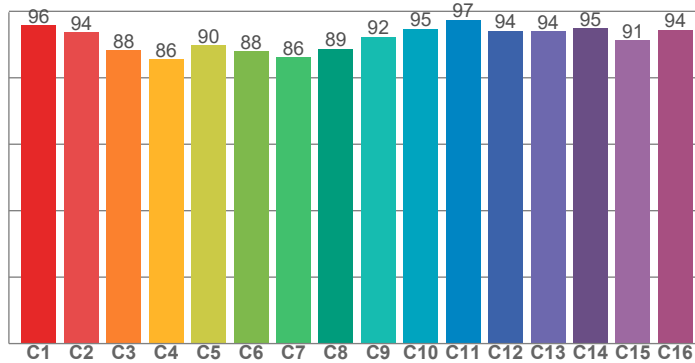
**Spectra**



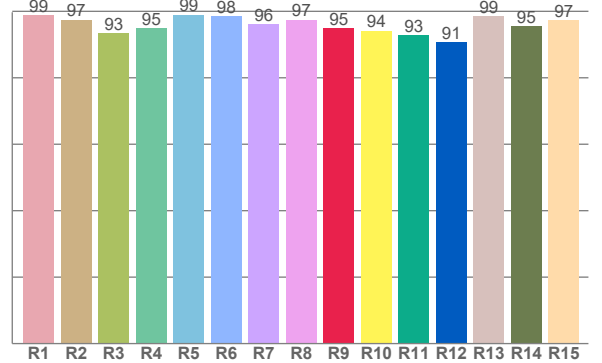
## COLOR DETAILS



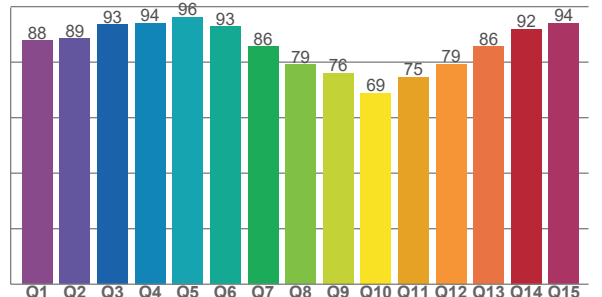
TM30: 92,0



CRI: 97,0 (R1-R8)



CQS: 83,3



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	97,5	93,5	94,9	99,0	98,5	96,2	97,5	95,0	94,1	92,8	90,6	98,6	95,5	97,3

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,8	93,7	88,2	85,6	89,8	87,9	86,1	88,6	92,3	94,7	97,4	94,1	94,0	94,8	91,3	94,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87,8	88,5	93,5	94,1	96,2	92,8	85,6	79,1	76,1	68,9	74,6	79,4	85,6	92,0	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	$\Delta uv$
2600 K	97,0	95,0	92,0	94,8	83,3	95	0,480	0,431	0,0059

## TM30 DETAILS

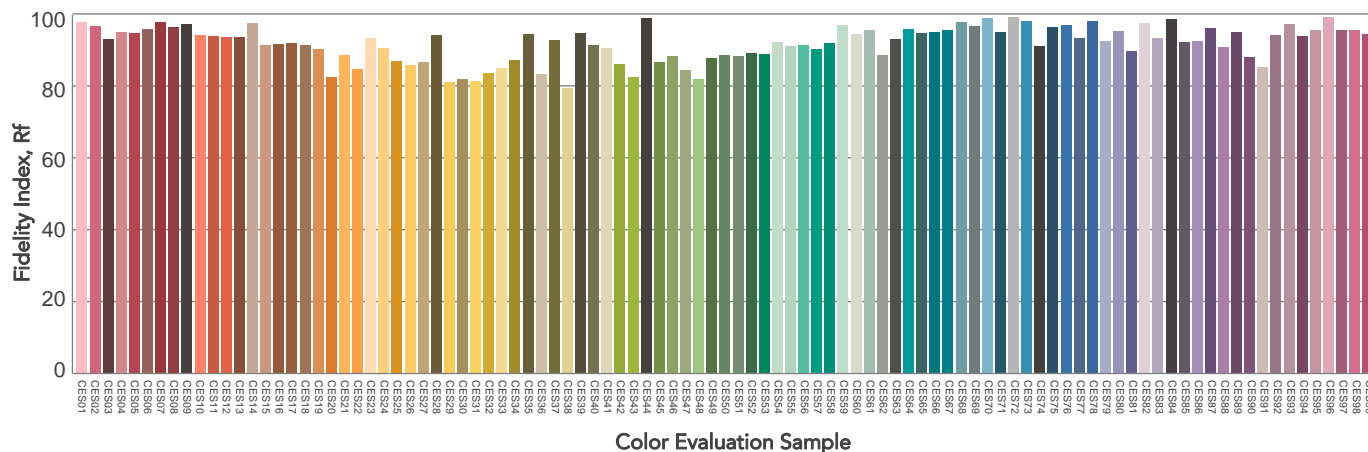
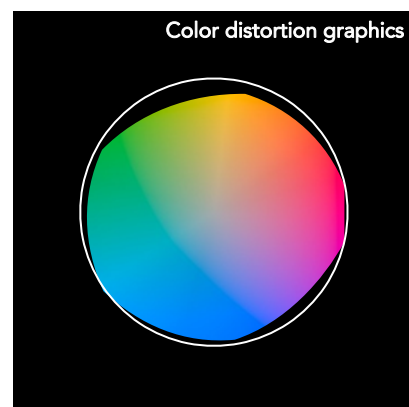
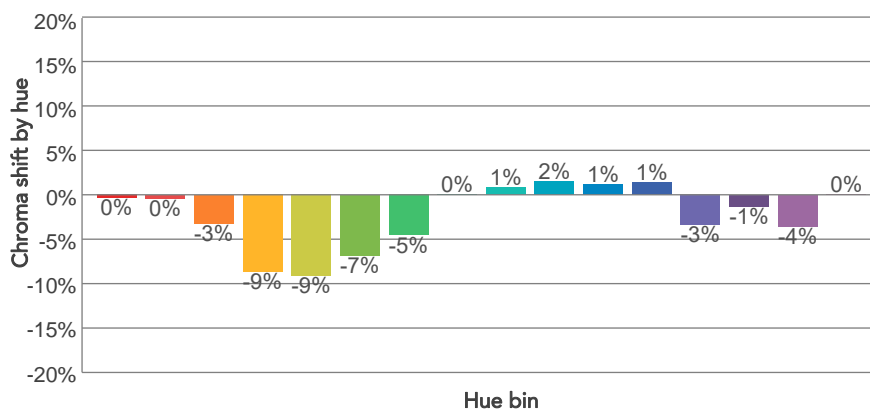
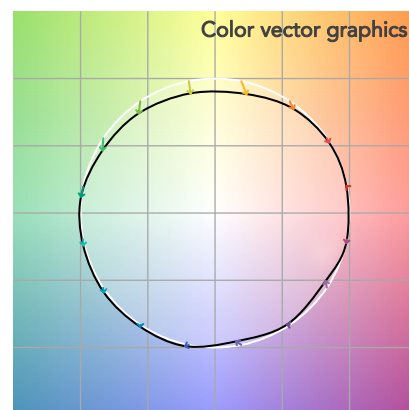
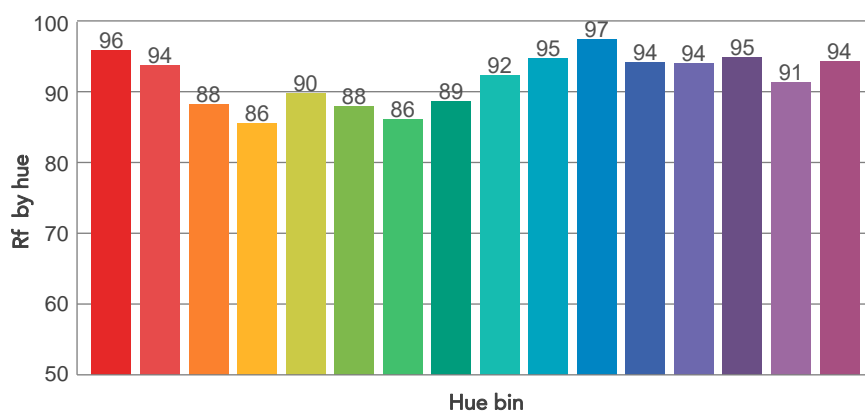
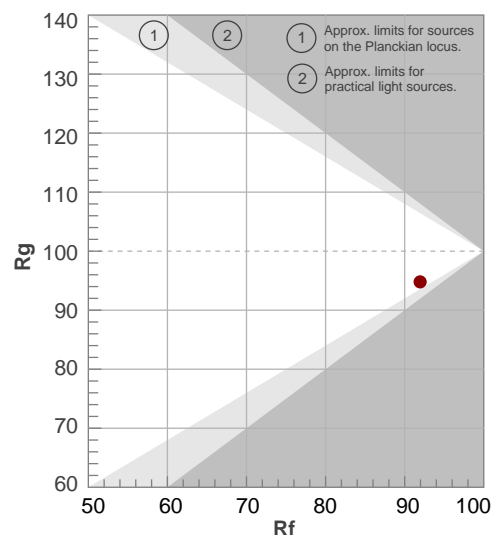
**Rf 92,0**

Fidelity index Rf

**Rg 94,8**

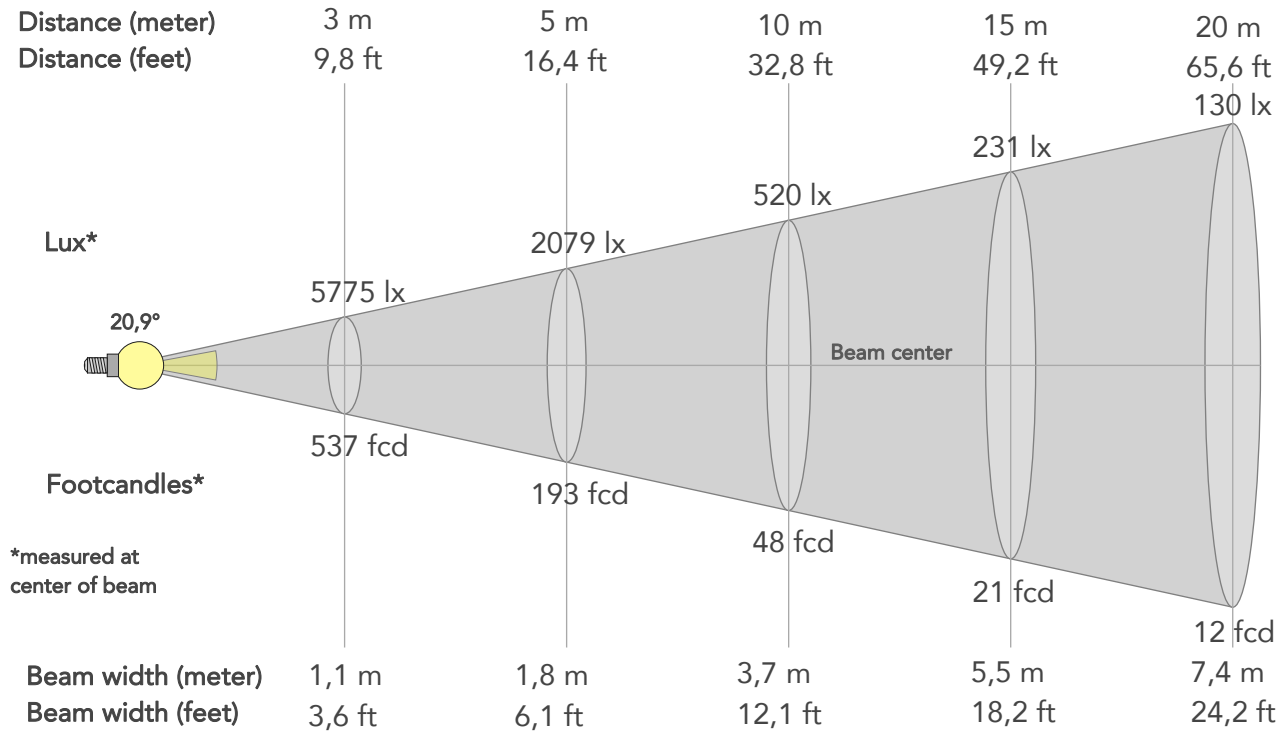
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	1%
2	94	0%	-3%
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	2%	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

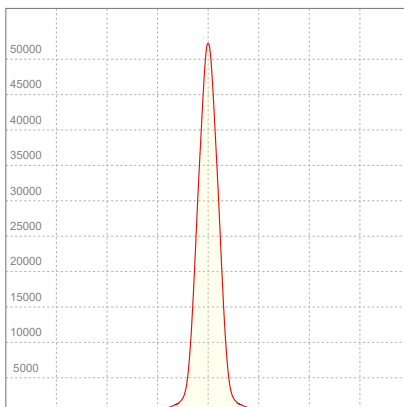
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,9°	36,5°	55,3°	95,4%	90,6%



## 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	51978lx	12994lx	5775lx	3249lx	2079lx	924lx	520lx	231lx	130lx	83lx	58lx	32lx	21lx
Footcand.	4829fcd	1207fcd	537fcd	302fcd	193fcd	86fcd	48fcd	21fcd	12fcd	8fcd	5fcd	3fcd	2fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,8m	2,8m	3,7m	5,5m	7,4m	9,2m	11,1m	14,8m	18,5m
Beam wid.	1,2ft	2,4ft	3,6ft	4,8ft	6,1ft	9,1ft	12,1ft	18,2ft	24,2ft	30,3ft	36,3ft	48,5ft	60,6ft

## LINEAR DISTRIBUTION DIAGRAM

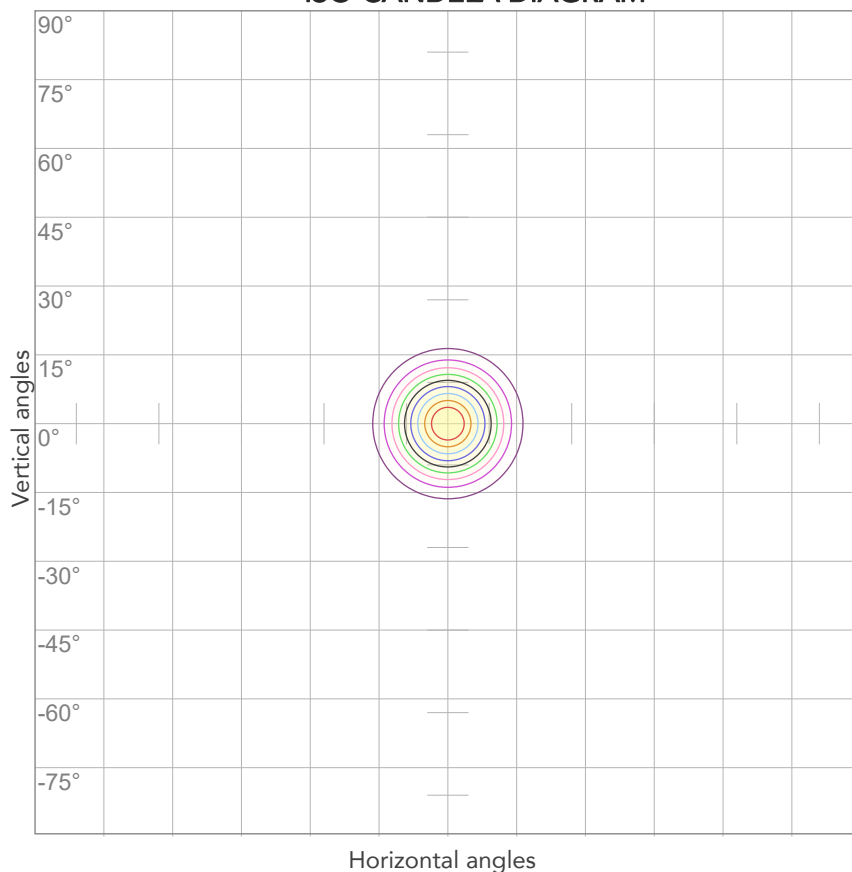


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,960A	205,7W	0,94	45lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



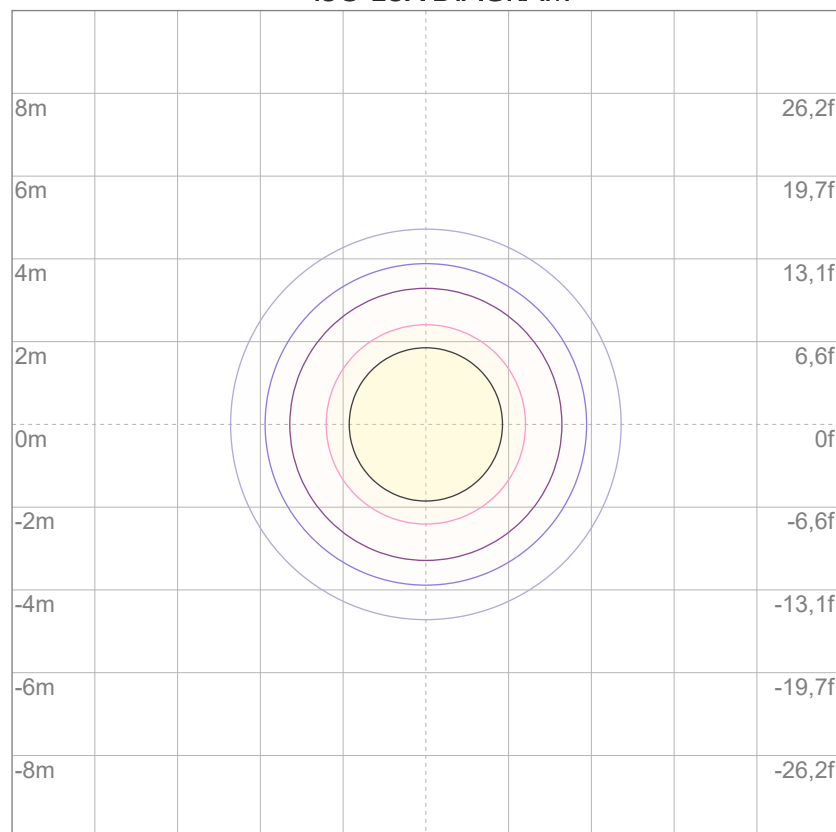
10%	5198 cd
20%	10396 cd
30%	15593 cd
40%	20791 cd
50%	25989 cd
60%	31187 cd
70%	36384 cd
80%	41582 cd

### Conditions:

Number of c-planes: 2

Candela at center: 51978 cd

## ISO LUX DIAGRAM



3%	15,6 lx
5%	26,0 lx
10%	52,0 lx
30%	156 lx
50%	260 lx

### Conditions:

Number of c-planes: 2

Lux at center: 520 lx

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



Total lumen output:

13295 lm

Peak candela output:

75308 cd

Light quality:

CRI: 94,8

Color temperature:

6943 K

**PRODUCT NAME:**

ARCSPOTXLVW

**MEASURAMENT CONDITIONS:**

Beam angle:

25°

Target:

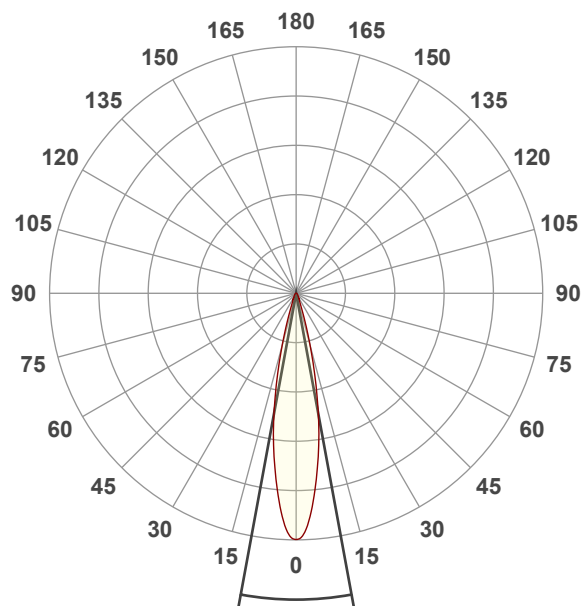
Cold White

Operator:

Salvatore Giglio

Date and time:

15/05/2024 17:12:05

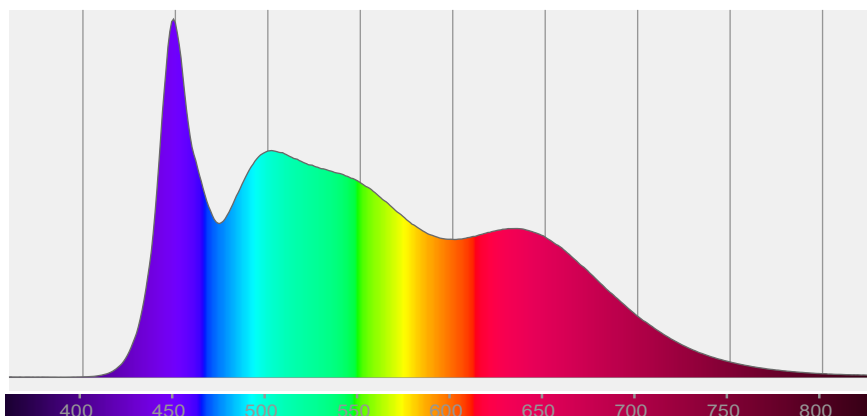


Beam angle 50%: 20,8°

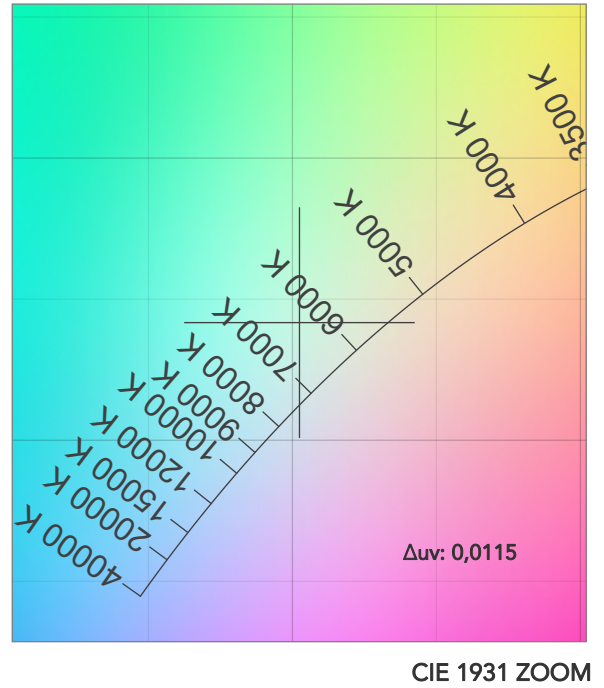
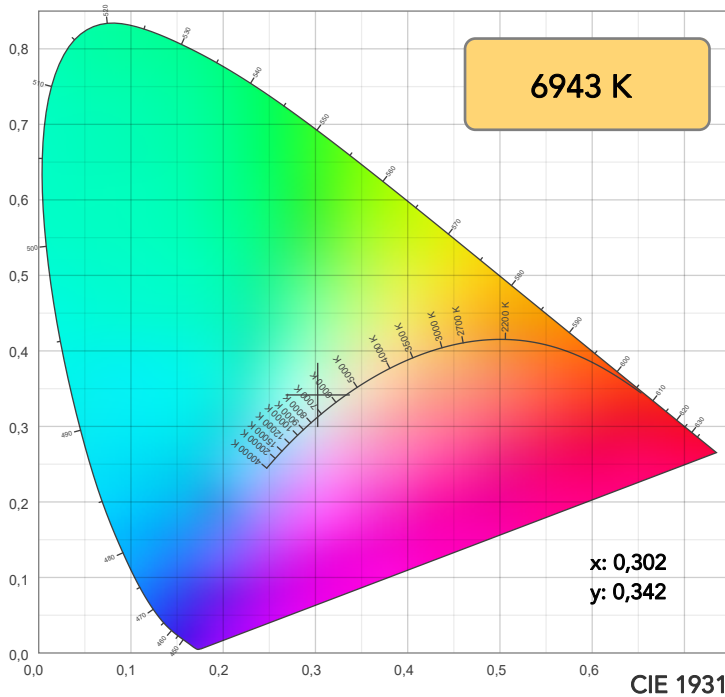
Field angle 10%: 36,4°

Cut off angle 2.5%: 54,6°

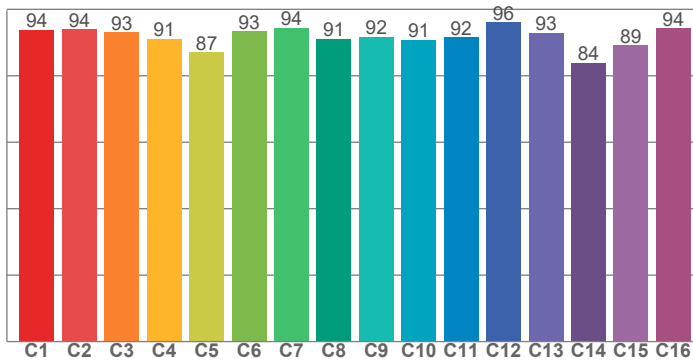
**Spectra**



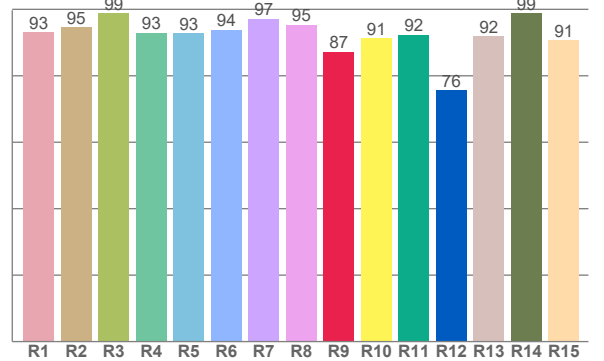
# COLOR DETAILS



TM30: 91,7



CRI: 94,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,0	94,6	98,9	92,9	92,8	93,8	97,2	95,4	87,2	91,3	92,3	75,6	91,9	98,8	90,6

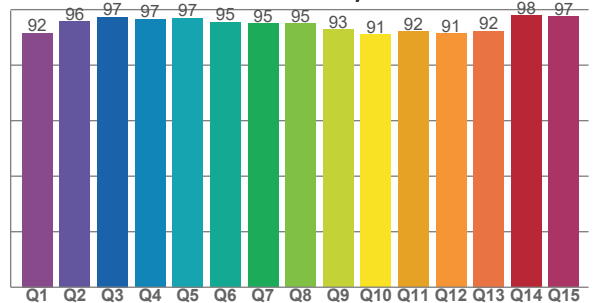
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,9	94,0	93,0	91,0	87,0	93,3	94,4	91,0	91,7	90,8	91,5	96,1	92,9	83,8	89,2	94,3

CQS Q values

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

CQS: 94,1



## COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6943 K	94,8	87,2	91,7	97,2	94,1	98	0,302	0,342	0,0115

## TM30 DETAILS

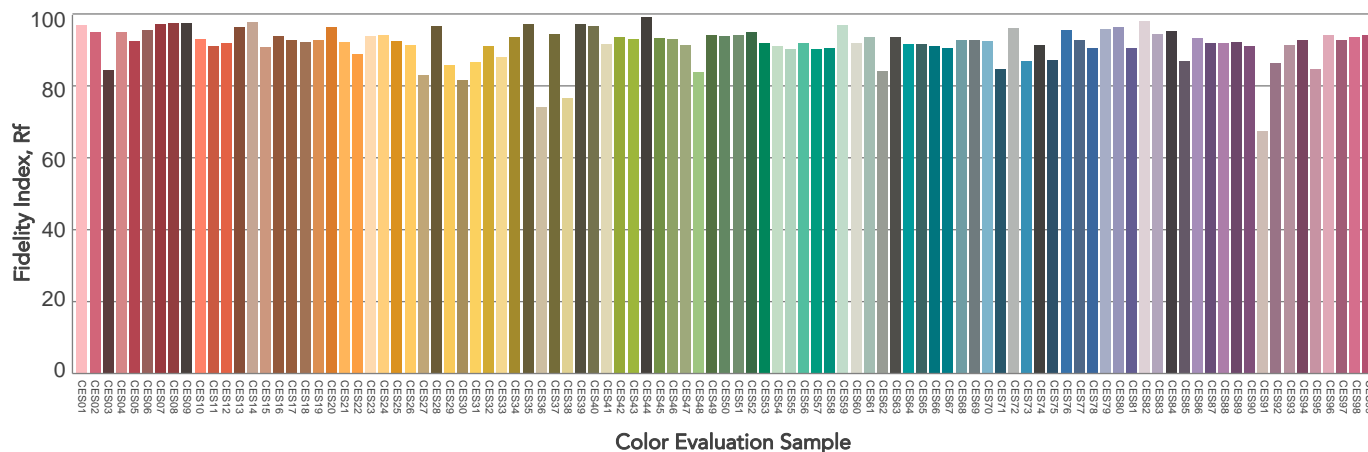
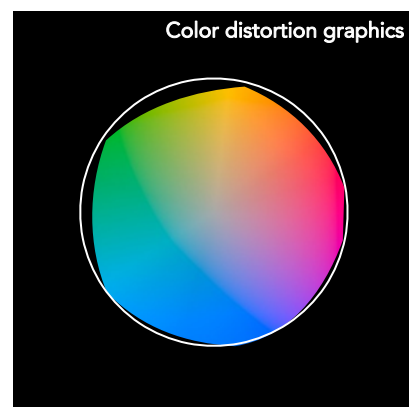
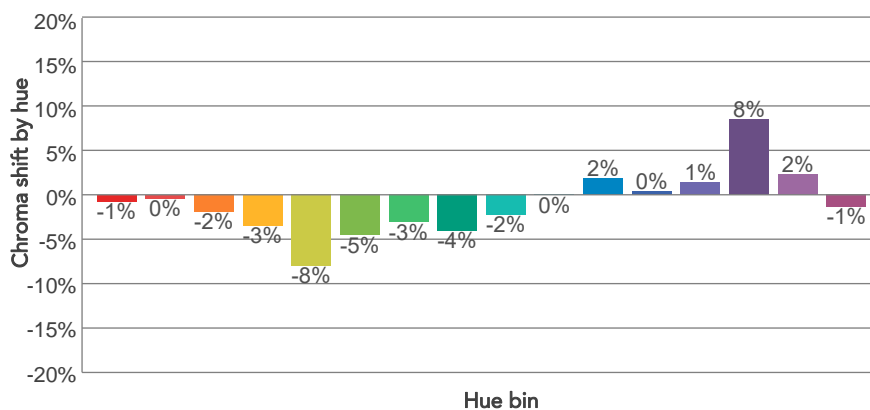
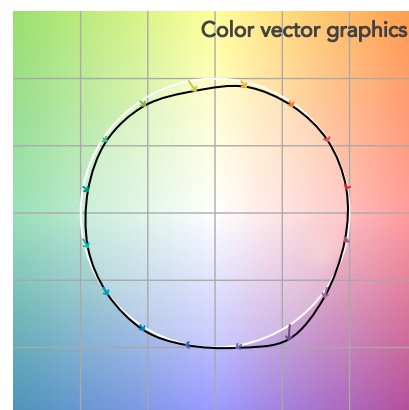
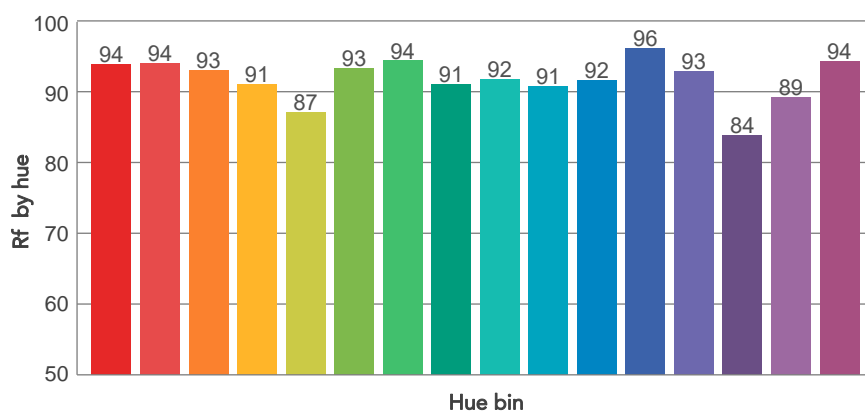
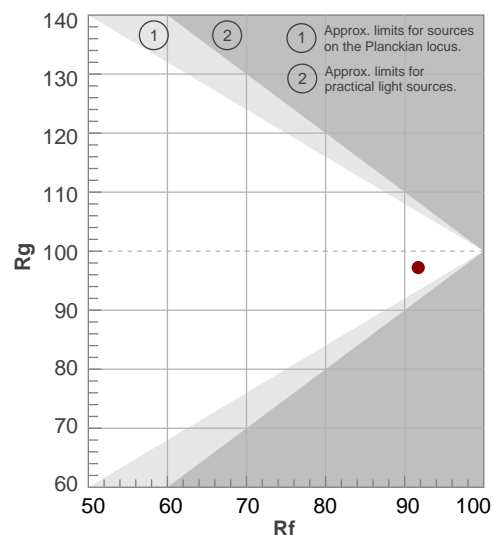
**Rf 91,7**

Fidelity index Rf

**Rg 97,2**

Gammut index

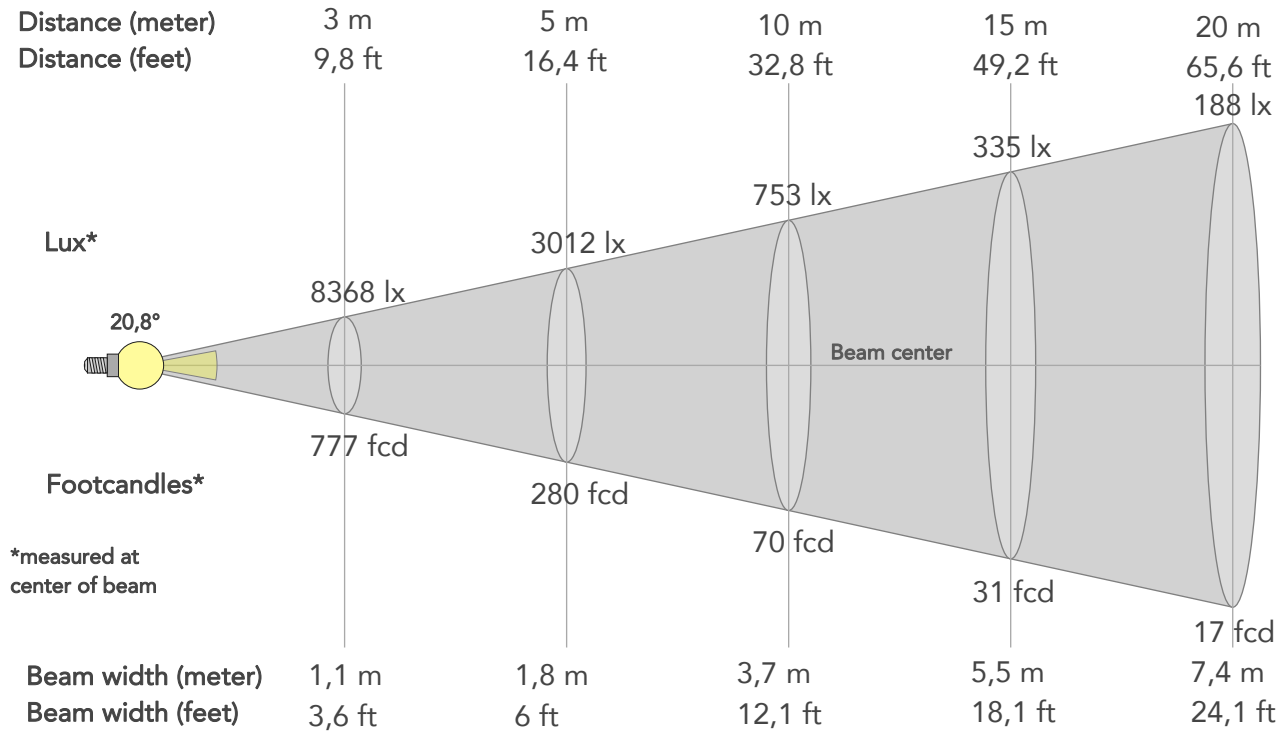
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	-1%	-1%
2	94	0%	-2%
3	93	-2%	-4%
4	91	-3%	-4%
5	87	-8%	-4%
6	93	-5%	-1%
7	94	-3%	0%
8	91	-4%	2%
9	92	-2%	6%
10	91	0%	6%
11	92	2%	4%
12	96	0%	-2%
13	93	1%	-4%
14	84	8%	-7%
15	89	2%	-7%
16	94	-1%	-2%





# BEAM DETAILS

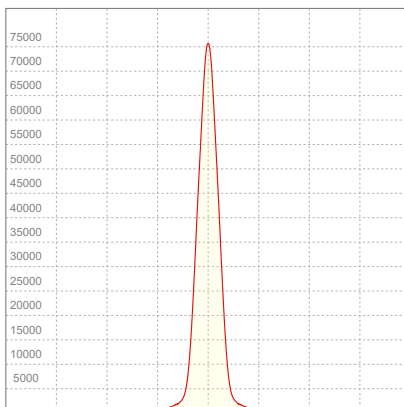
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,8°	36,4°	54,6°	95,8%	91,0%



## 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	75308lx	18827lx	8368lx	4707lx	3012lx	1339lx	753lx	335lx	188lx	120lx	84lx	47lx	30lx
Footcand.	6996fcd	1749fcd	777fcd	437fcd	280fcd	124fcd	70fcd	31fcd	17fcd	11fcd	8fcd	4fcd	3fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,8m	2,8m	3,7m	5,5m	7,4m	9,2m	11m	14,7m	18,4m
Beam wid.	1,2ft	2,4ft	3,6ft	4,8ft	6ft	9ft	12,1ft	18,1ft	24,1ft	30,2ft	36,2ft	48,3ft	60,3ft

## LINEAR DISTRIBUTION DIAGRAM

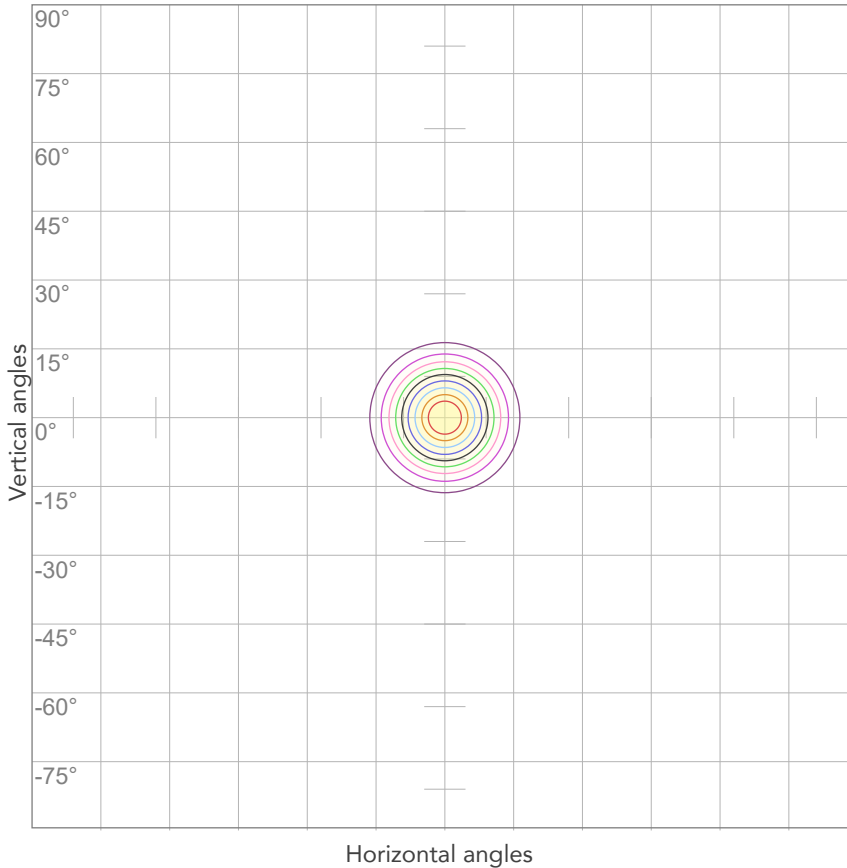


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,966A	207W	0,94	64lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



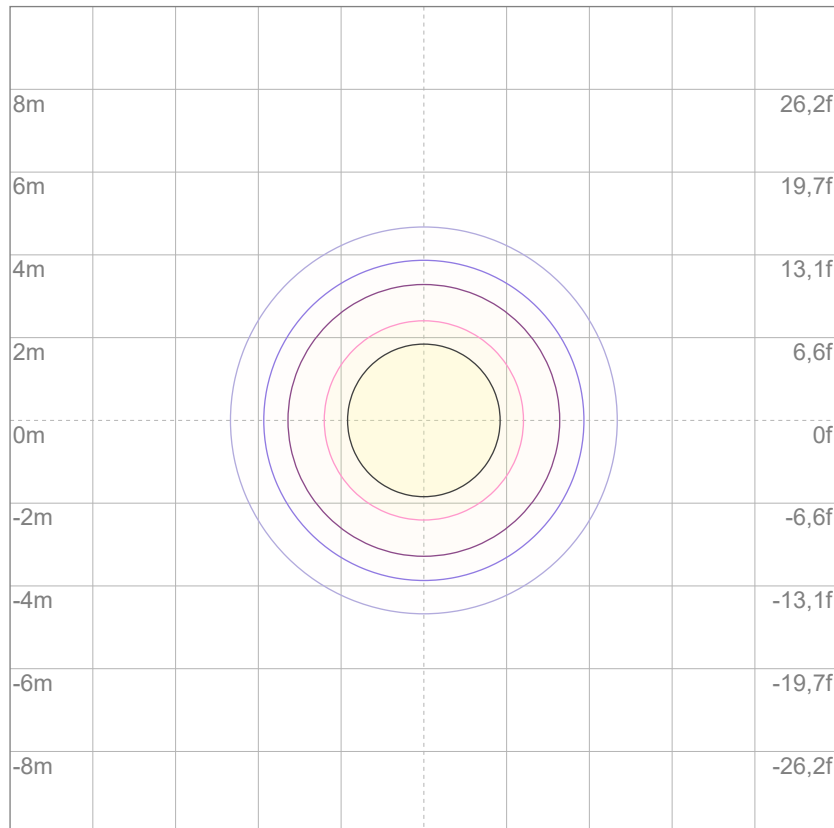
10%	7531 cd
20%	15062 cd
30%	22592 cd
40%	30123 cd
50%	37654 cd
60%	45185 cd
70%	52716 cd
80%	60247 cd

### Conditions:

Number of c-planes: 2

Candela at center: 75308 cd

## ISO LUX DIAGRAM



3%	22,6 lx
5%	37,7 lx
10%	75,3 lx
30%	226 lx
50%	377 lx

### Conditions:

Number of c-planes: 2

Lux at center: 753 lx

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



Total lumen output:

9712 lm

Peak candela output:

54154 cd

Light quality:

CRI: 97,2

Color temperature:

2693 K

**PRODUCT NAME:**

ARCSPOTXLVW

**MEASURAMENT CONDITIONS:**

Beam angle:

25°

Target:

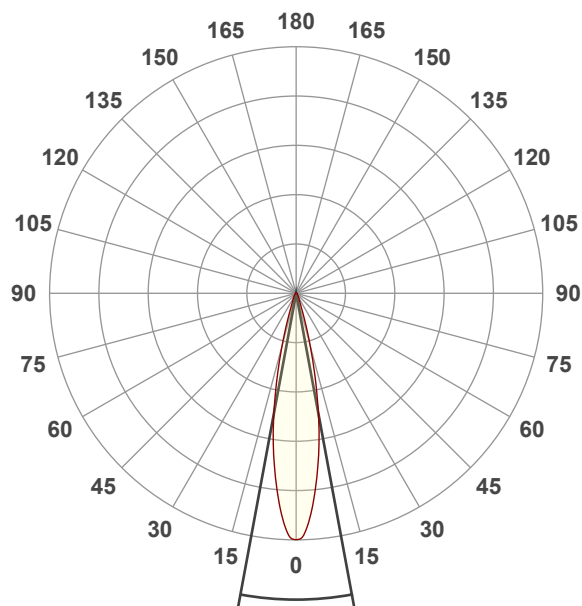
2700K

Operator:

Salvatore Giglio

Date and time:

15/05/2024 17:14:59

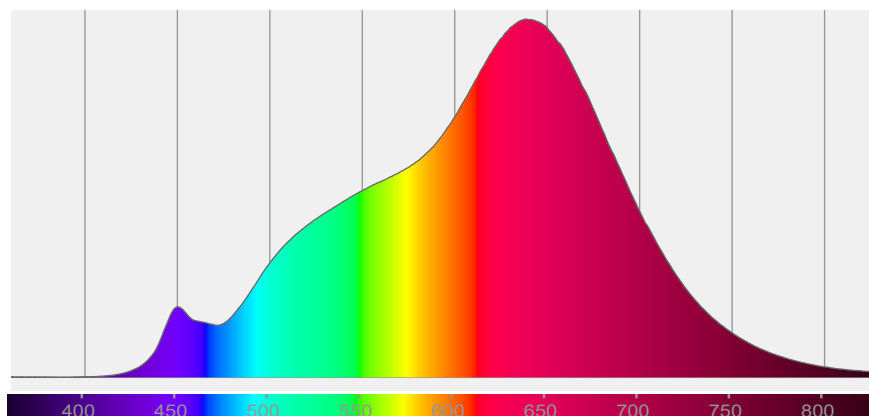


Beam angle 50%: 21°

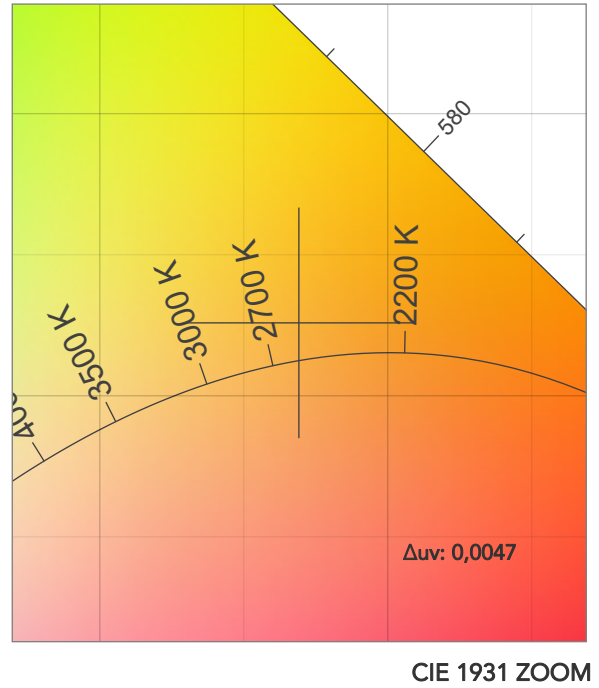
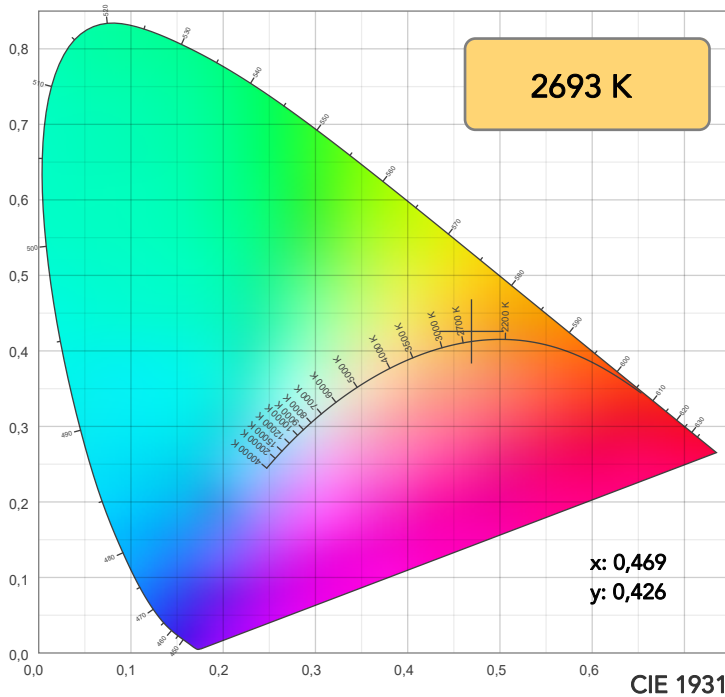
Field angle 10%: 36,5°

Cut off angle 2.5%: 55,3°

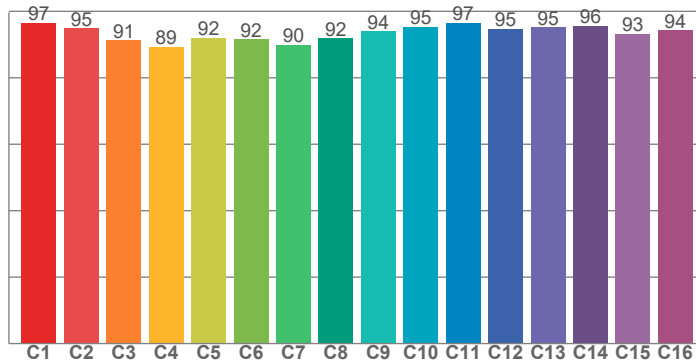
**Spectra**



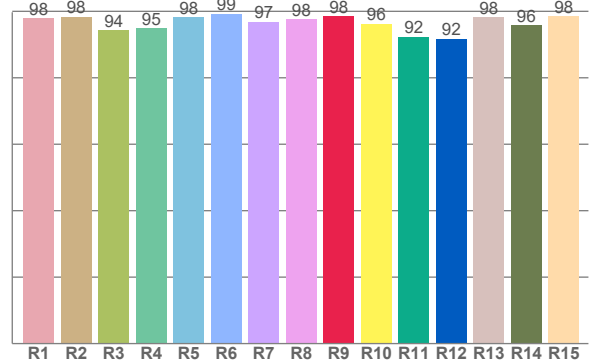
## COLOR DETAILS



TM30: 93,6



CRI: 97,2 (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
97,9	98,4	94,3	95,0	98,3	99,2	96,9	97,6	98,5	96,2	92,4	91,7	98,3	95,9	98,5

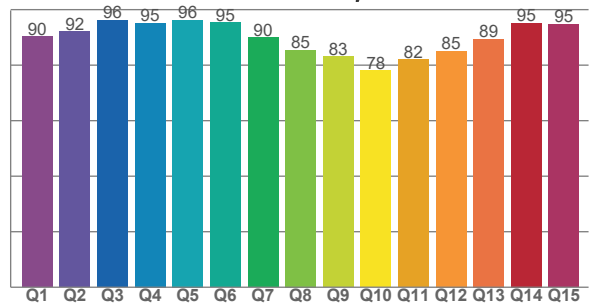
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90,3	92,0	96,1	95,1	96,3	95,4	89,9	85,5	83,1	78,1	82,1	85,2	89,4	95,1	94,7

CQS: 88,0



## 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	$\Delta uv$
2693 K	97,2	98,5	93,6	97,1	88,0	97	0,469	0,426	0,0047

## TM30 DETAILS

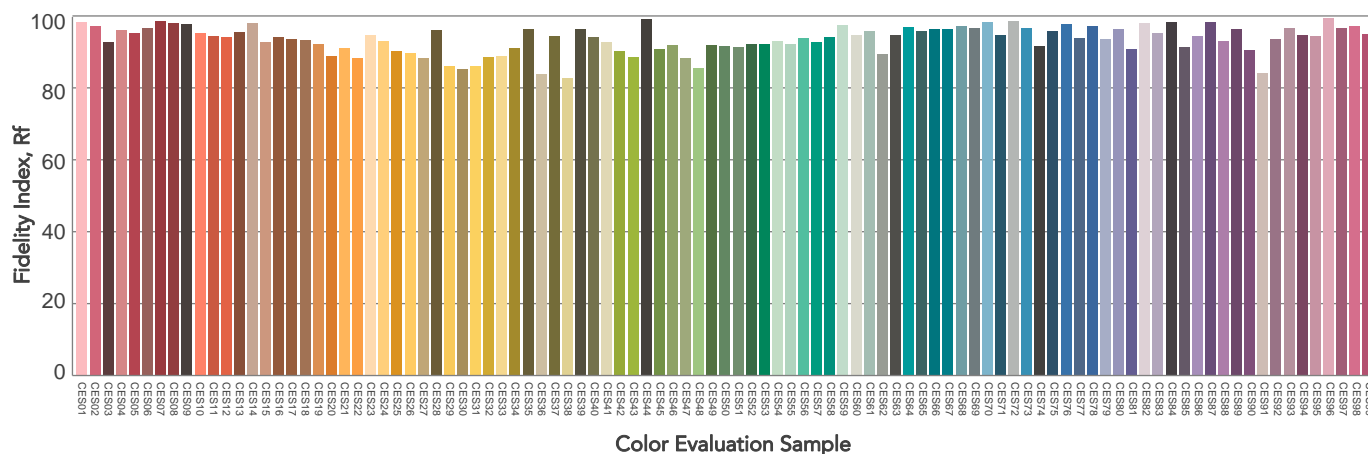
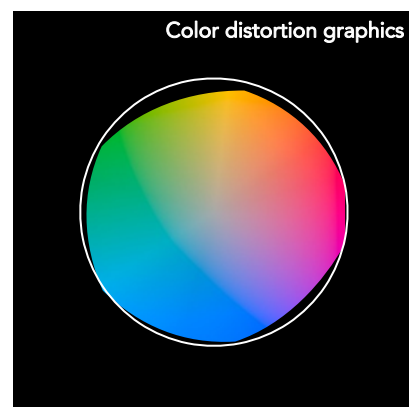
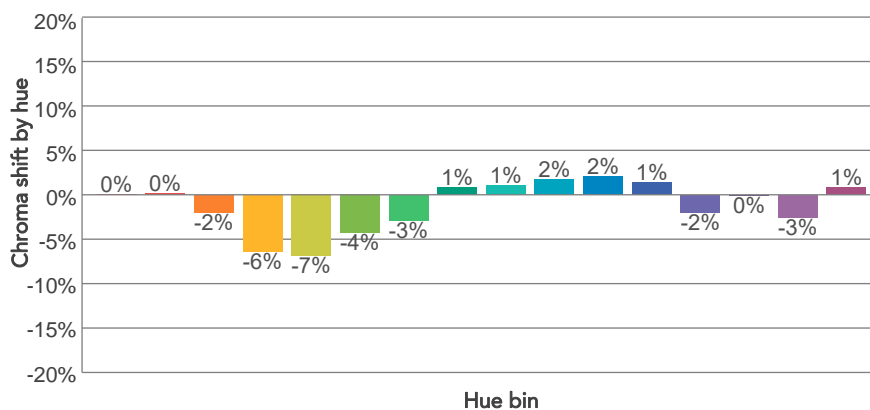
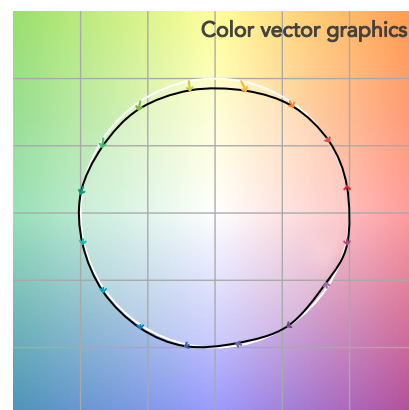
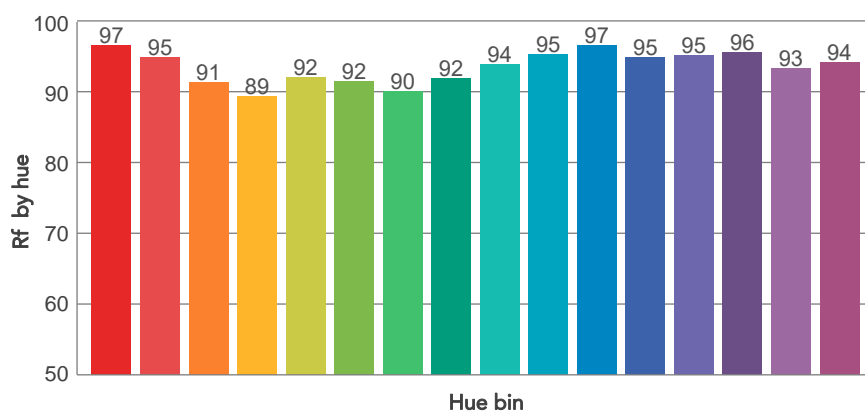
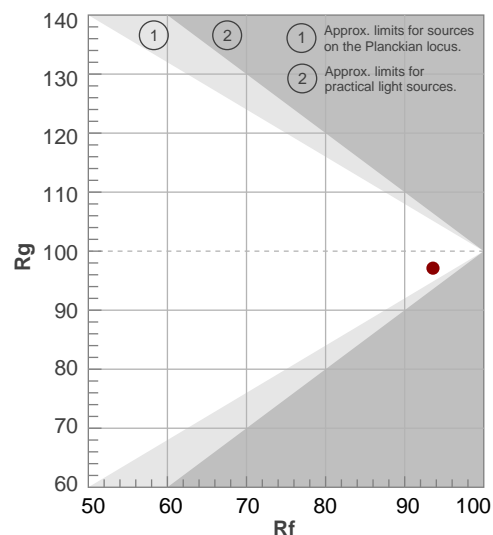
**Rf 93,6**

Fidelity index Rf

**Rg 97,1**

Gammut index

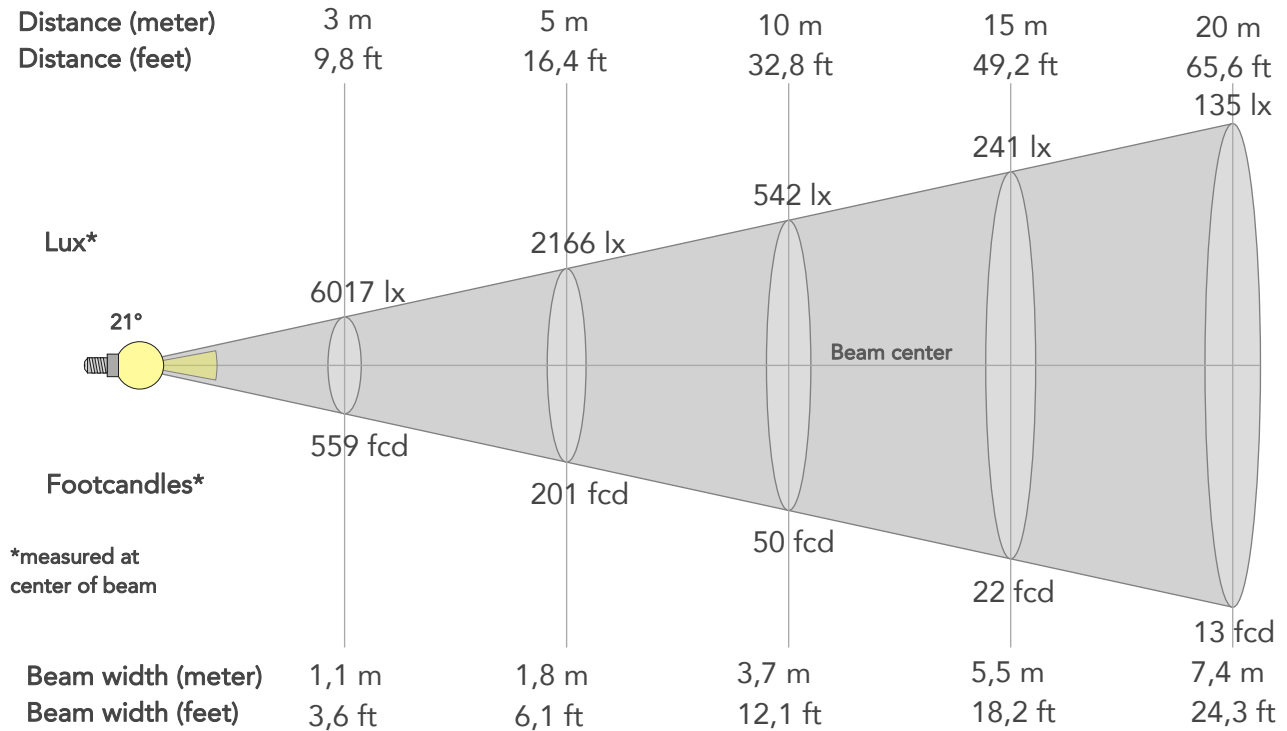
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	97	0%	0%
2	95	0%	-3%
3	91	-2%	-4%
4	89	-6%	-5%
5	92	-7%	0%
6	92	-4%	5%
7	90	-3%	6%
8	92	1%	5%
9	94	1%	3%
10	95	2%	3%
11	97	2%	1%
12	95	1%	-3%
13	95	-2%	-3%
14	96	0%	-2%
15	93	-3%	3%
16	94	1%	-4%



# BEAM DETAILS



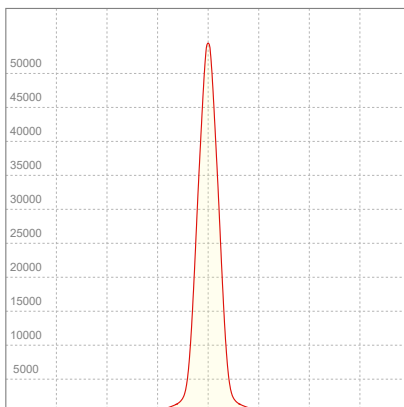
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21°	36,5°	55,3°	95,5%	90,6%



## 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	54154lx	13538lx	6017lx	3385lx	2166lx	963lx	542lx	241lx	135lx	87lx	60lx	34lx	22lx
Footcand.	5031fcd	1258fcd	559fcd	314fcd	201fcd	89fcd	50fcd	22fcd	13fcd	8fcd	6fcd	3fcd	2fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,8m	2,8m	3,7m	5,5m	7,4m	9,2m	11,1m	14,8m	18,5m
Beam wid.	1,2ft	2,4ft	3,6ft	4,8ft	6,1ft	9,1ft	12,1ft	18,2ft	24,3ft	30,3ft	36,4ft	48,5ft	60,7ft

## LINEAR DISTRIBUTION DIAGRAM

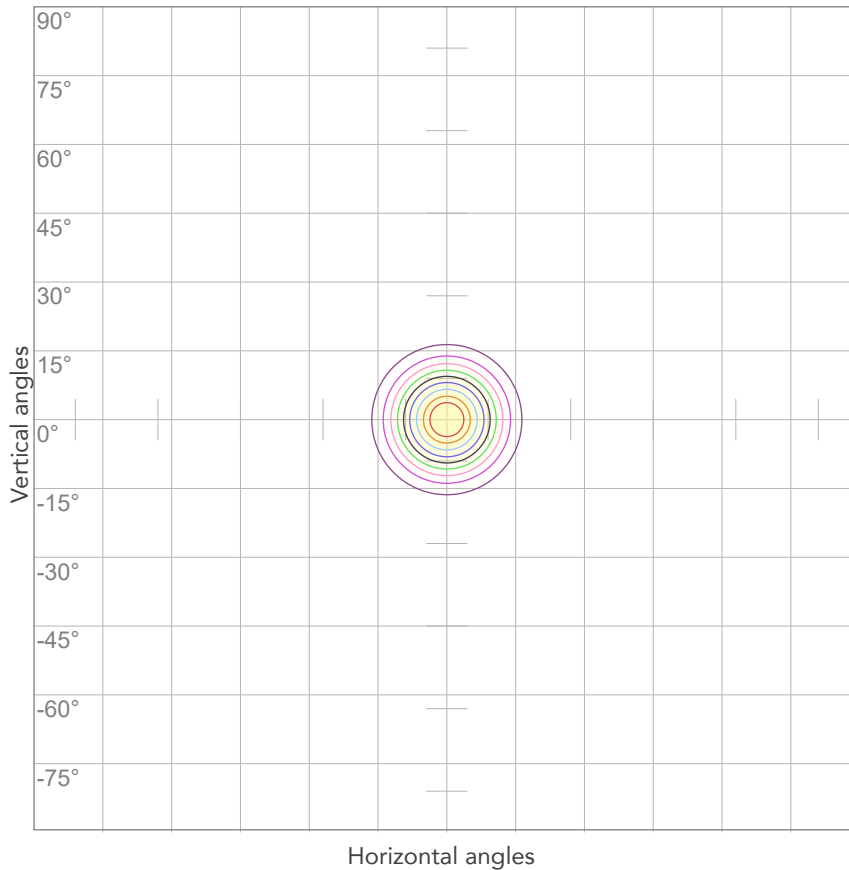


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,987A	212,5W	0,95	46lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



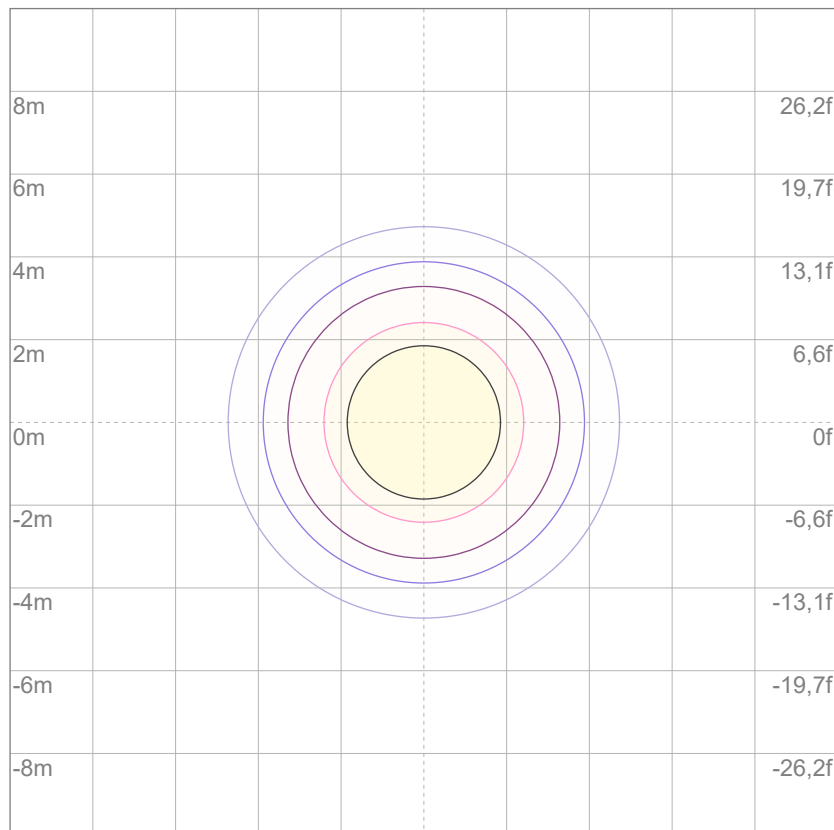
10%	5415 cd
20%	10831 cd
30%	16246 cd
40%	21661 cd
50%	27077 cd
60%	32492 cd
70%	37908 cd
80%	43323 cd

### Conditions:

Number of c-planes: 2

Candela at center: 54154 cd

## ISO LUX DIAGRAM



3%	16,2 lx
5%	27,1 lx
10%	54,2 lx
30%	162 lx
50%	271 lx

### Conditions:

Number of c-planes: 2

Lux at center: 542 lx

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



Total lumen output:

10363 lm

Peak candela output:

55957 cd

Light quality:

CRI: 96,8

Color temperature:

2846 K

**PRODUCT NAME:**

ARCSPOTXLVW

**MEASURAMENT CONDITIONS:**

Beam angle:

25°

Target:

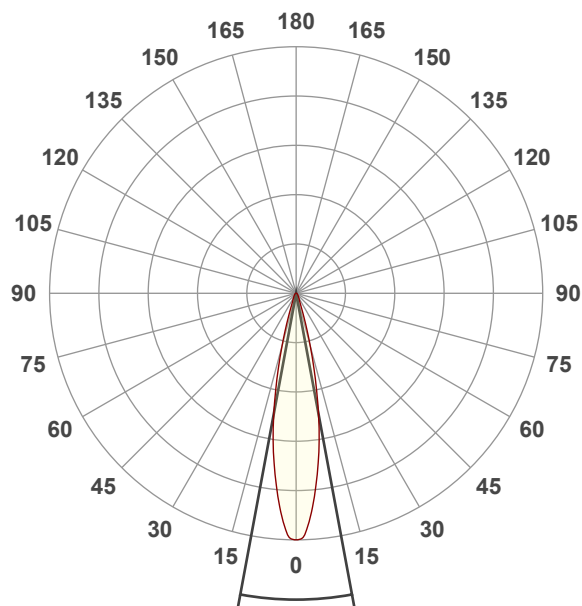
2800K

Operator:

Salvatore Giglio

Date and time:

15/05/2024 17:17:02

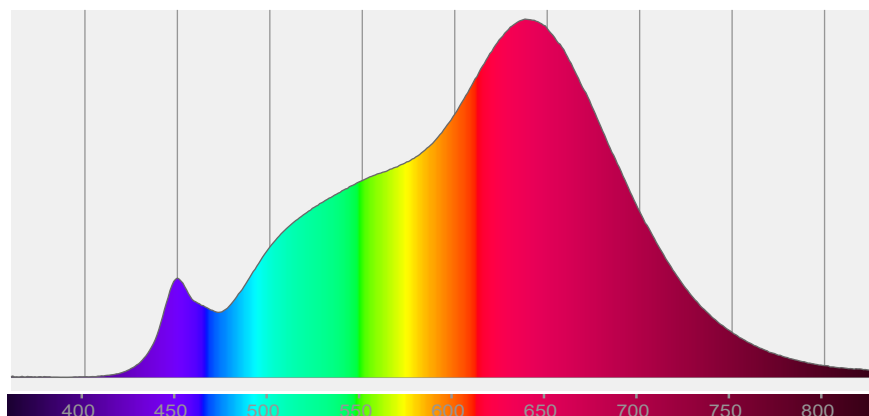


Beam angle 50%: 21°

Field angle 10%: 36,5°

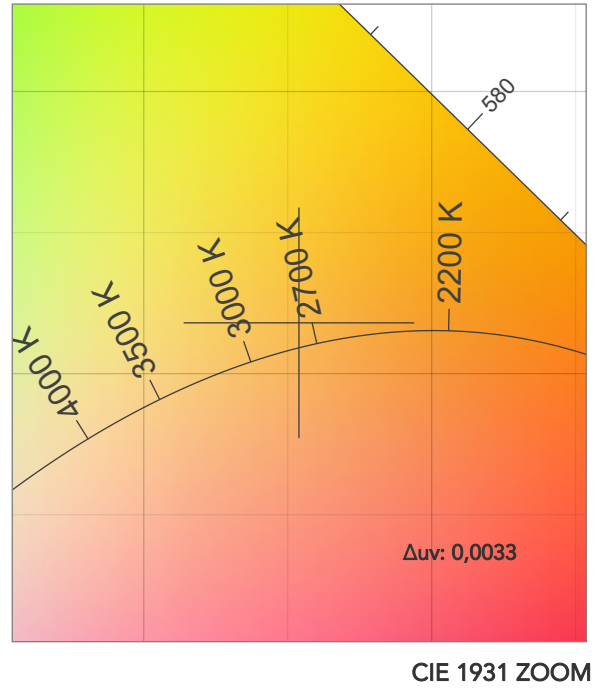
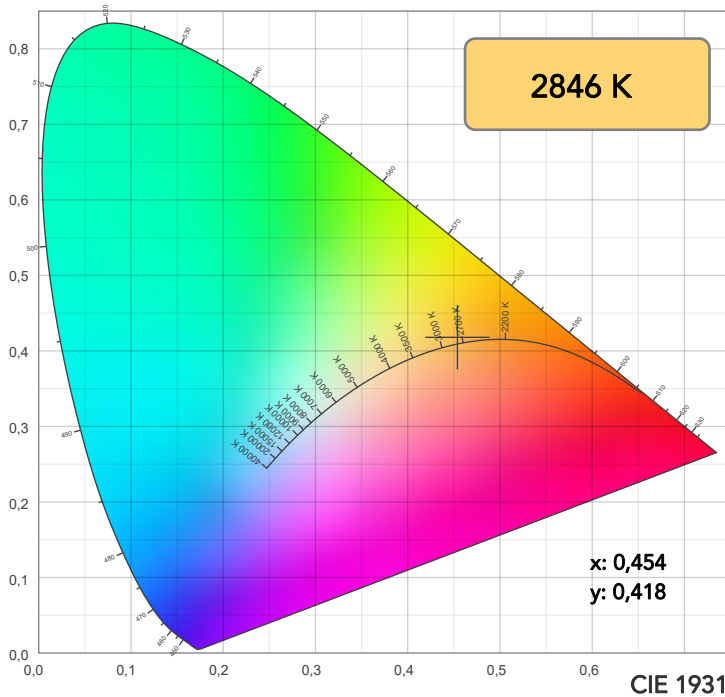
Cut off angle 2.5%: 55,9°

**Spectra**

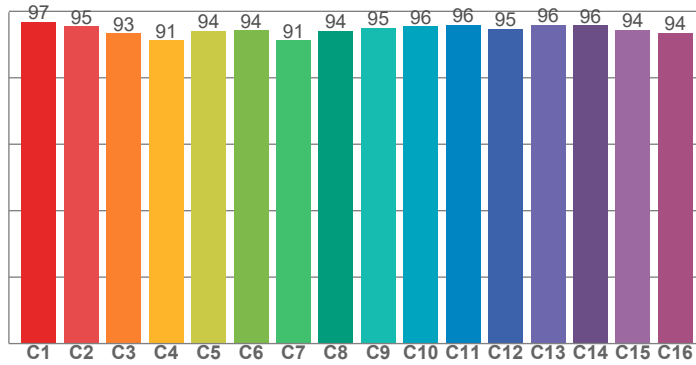




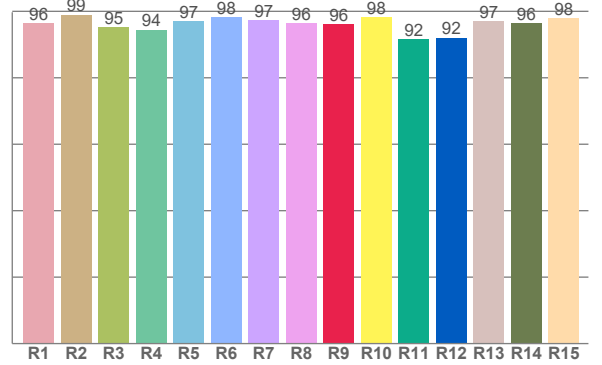
## COLOR DETAILS



TM30: 94,5



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	95,3	94,5	96,9	98,3	97,3	96,3	96,1	98,3	91,5	92,1	97,1	96,5	97,9

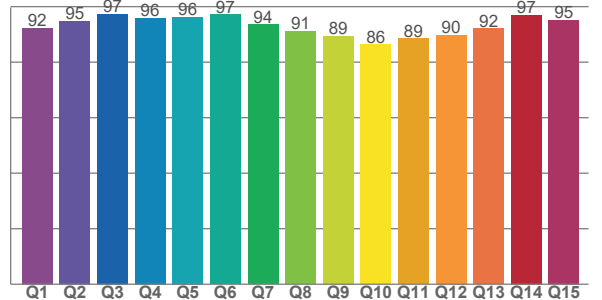
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,3	94,9	97,4	96,0	96,3	97,2	93,6	91,1	89,4	86,3	88,5	89,8	92,1	97,0	95,2

CQS: 92,1



## 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	$\Delta uv$
2846 K	96,8	96,1	94,5	99,1	92,1	98	0,454	0,418	0,0033

## TM30 DETAILS

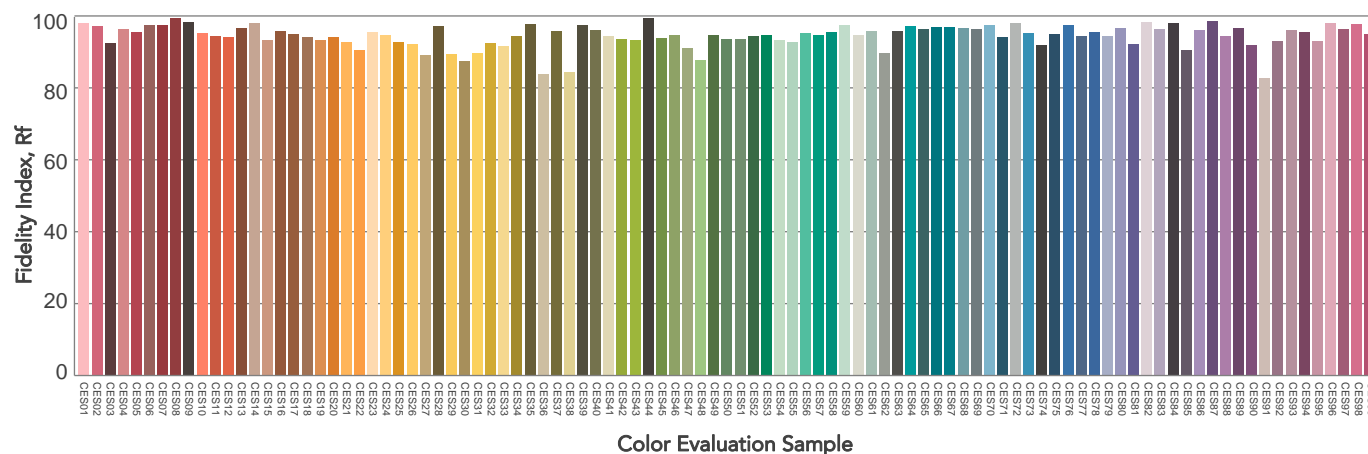
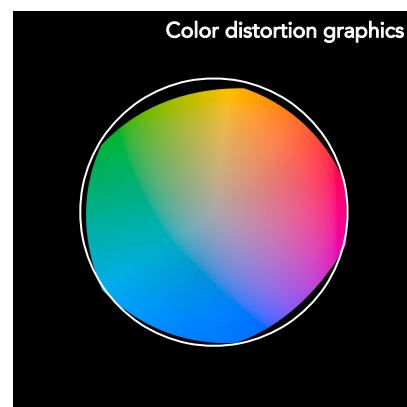
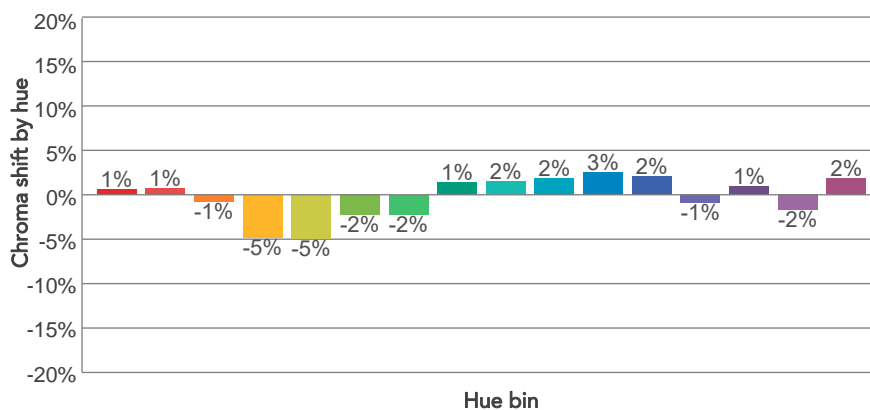
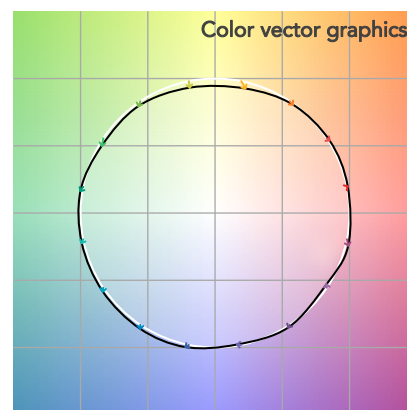
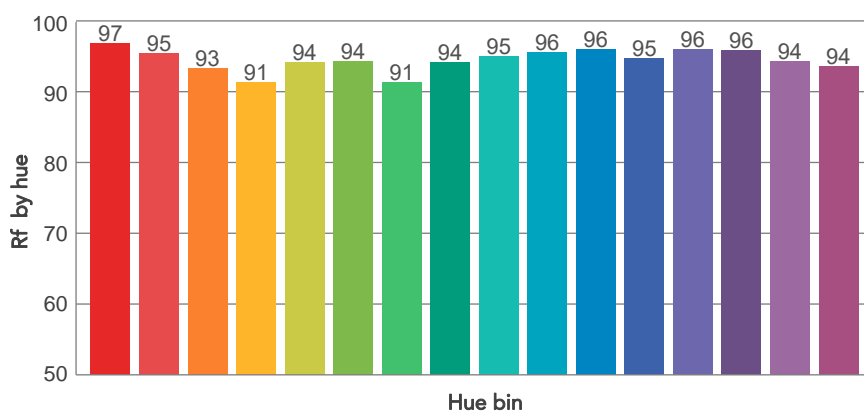
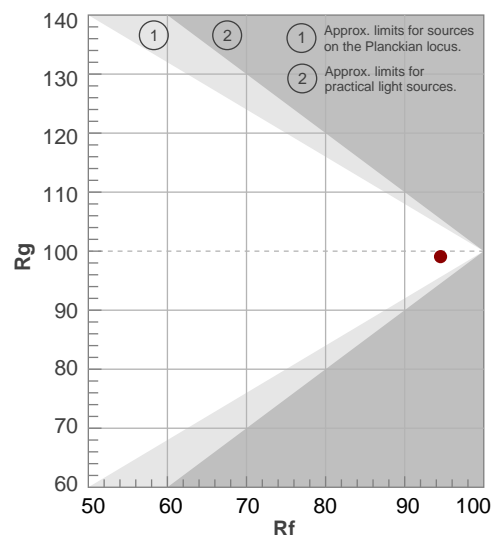
Rf 94,5

Fidelity index  $R_f$

Rg 99,1

## Gammut index

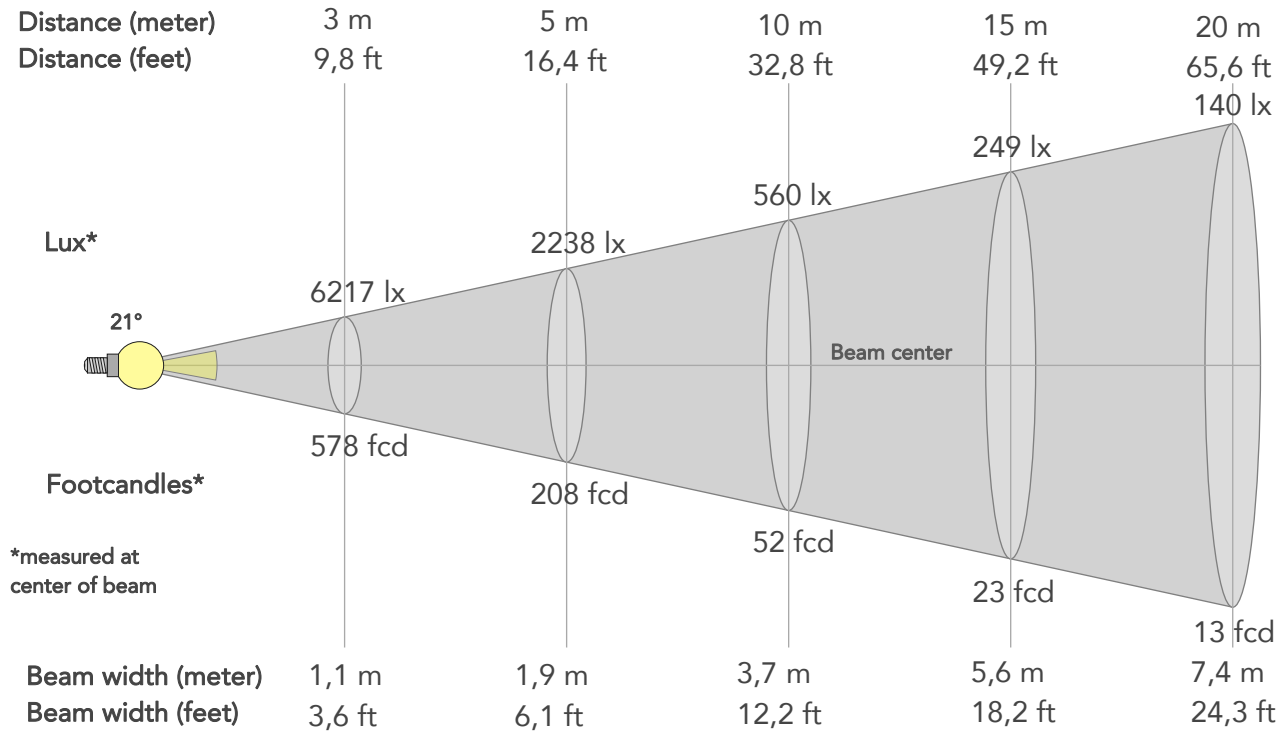
		Graphic shifts (%)	
Hue Bin	$R_f$	Chroma	Hue
1	97	1%	0%
2	95	1%	-2%
3	93	-1%	-3%
4	91	-5%	-4%
5	94	-5%	0%
6	94	-2%	3%
7	91	-2%	5%
8	94	1%	3%
9	95	2%	3%
10	96	2%	2%
11	96	3%	2%
12	95	2%	-2%
13	96	-1%	-3%
14	96	1%	-2%
15	94	-2%	2%
16	94	2%	-4%



# BEAM DETAILS



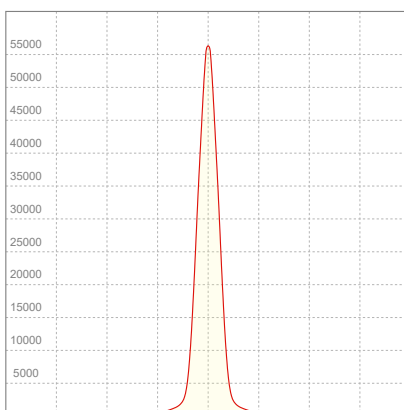
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21°	36,5°	55,9°	93,6%	88,4%



## 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	55957lx	13989lx	6217lx	3497lx	2238lx	995lx	560lx	249lx	140lx	90lx	62lx	35lx	22lx
Footcand.	5199fcd	1300fcd	578fcd	325fcd	208fcd	92fcd	52fcd	23fcd	13fcd	8fcd	6fcd	3fcd	2fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,9m	2,8m	3,7m	5,6m	7,4m	9,3m	11,1m	14,8m	18,5m
Beam wid.	1,2ft	2,4ft	3,6ft	4,9ft	6,1ft	9,1ft	12,2ft	18,2ft	24,3ft	30,4ft	36,5ft	48,7ft	60,8ft

## LINEAR DISTRIBUTION DIAGRAM

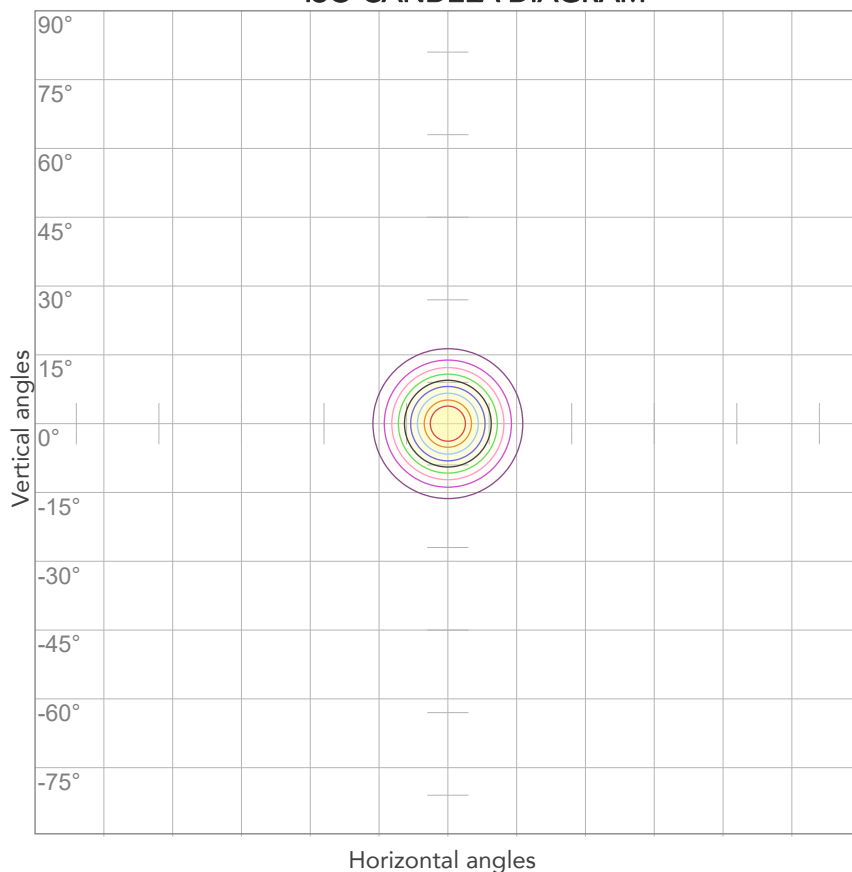


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,999A	215,5W	0,95	48lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



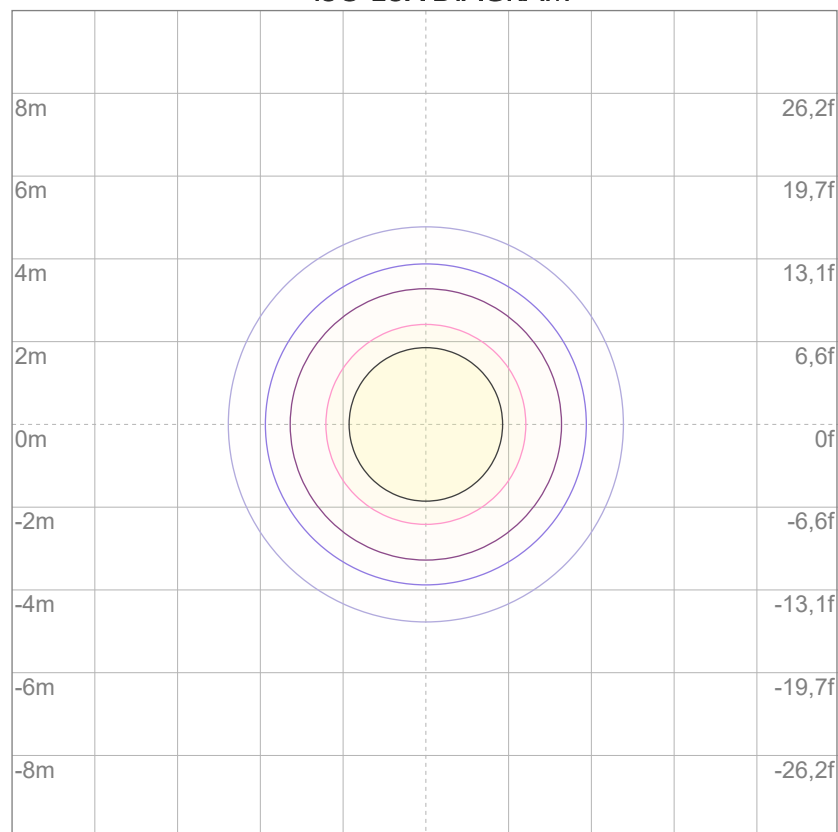
10%	5596 cd
20%	11191 cd
30%	16787 cd
40%	22383 cd
50%	27979 cd
60%	33574 cd
70%	39170 cd
80%	44766 cd

### Conditions:

Number of c-planes: 2

Candela at center: 55957 cd

## ISO LUX DIAGRAM



3%	16,8 lx
5%	28,0 lx
10%	56,0 lx
30%	168 lx
50%	280 lx

### Conditions:

Number of c-planes: 2

Lux at center: 560 lx

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



Total lumen output:

10473 lm

Peak candela output:

58999 cd

Light quality:

CRI: 95,5

Color temperature:

3206 K

**PRODUCT NAME:**

ARCSPOTXLVW

**MEASURAMENT CONDITIONS:**

Beam angle:

25°

Target:

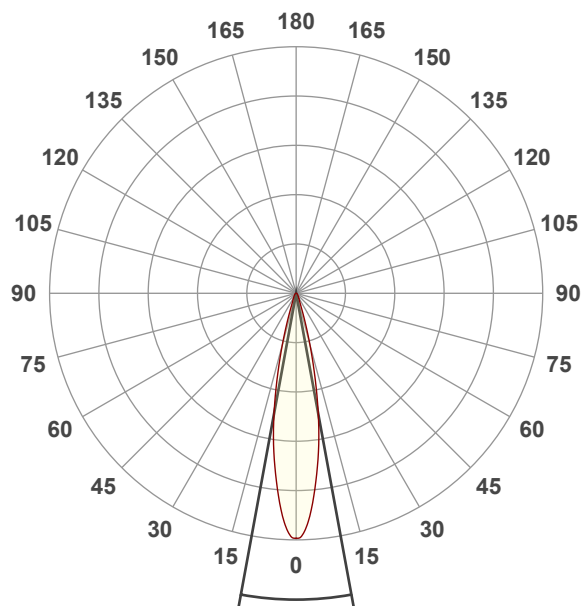
3200K

Operator:

Salvatore Giglio

Date and time:

15/05/2024 17:21:06

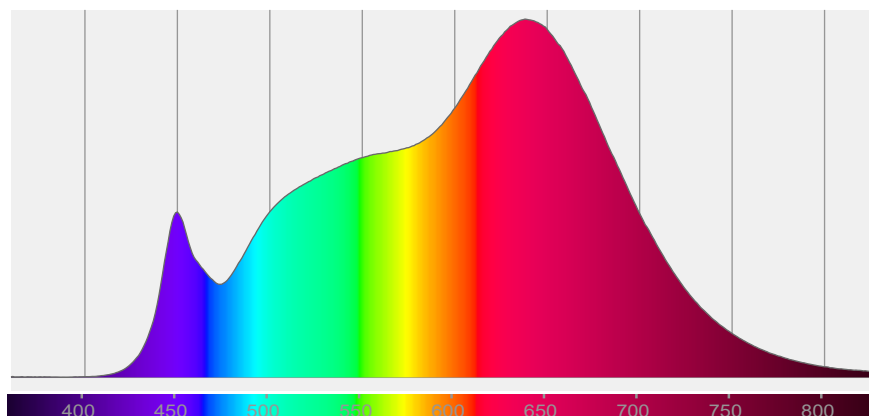


Beam angle 50%: 20,8°

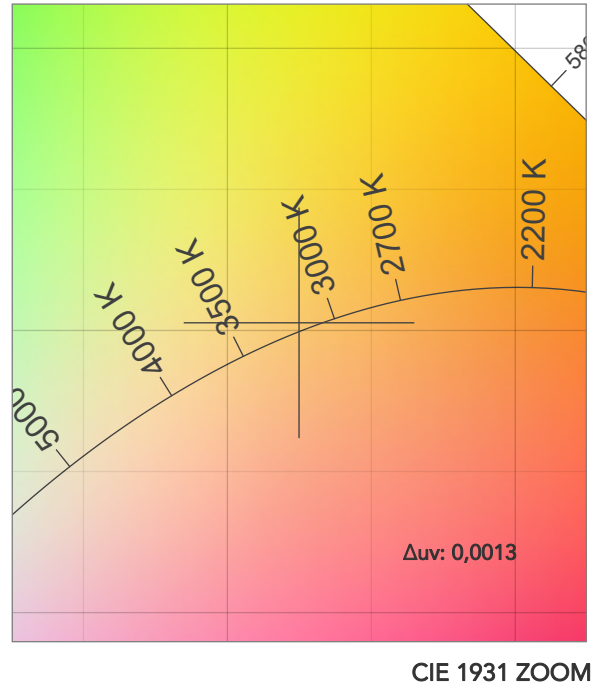
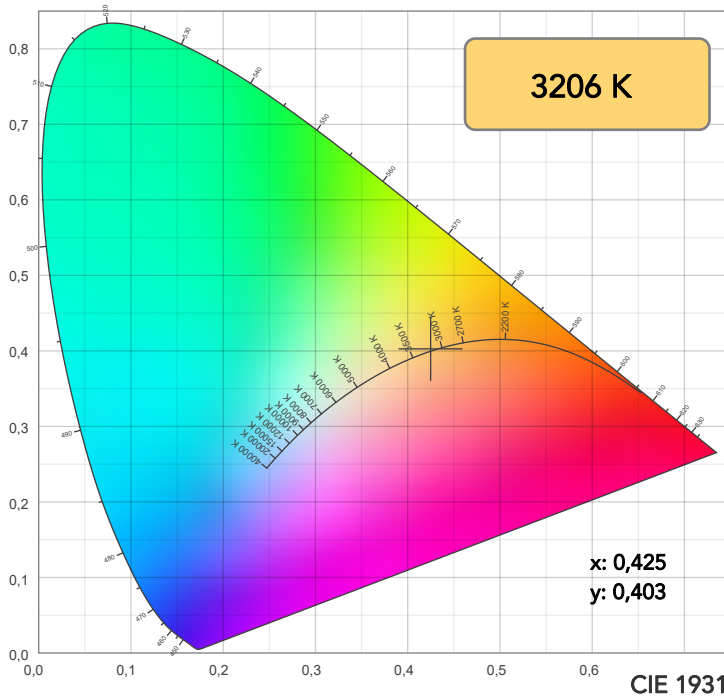
Field angle 10%: 36,2°

Cut off angle 2.5%: 55°

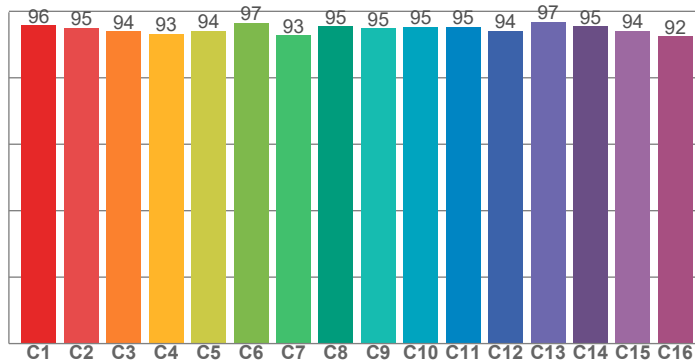
**Spectra**



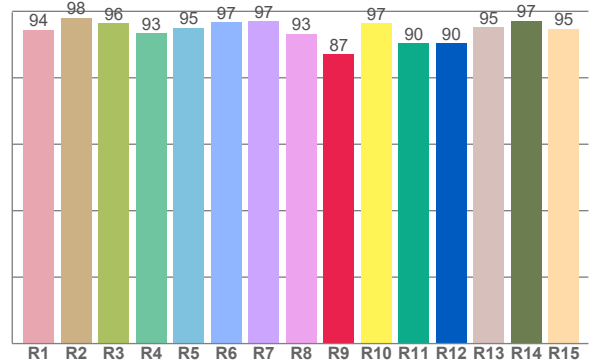
# COLOR DETAILS



TM30: 94,7



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

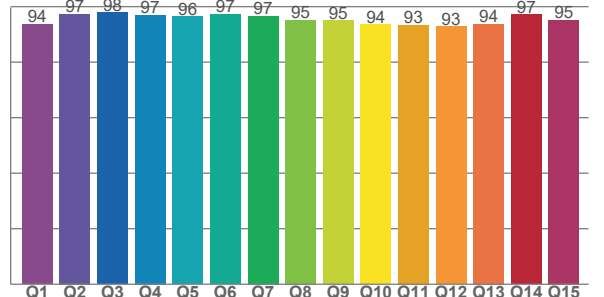
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

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
3206 K	95,5	87,0	94,7	101,2	95,1	99	0,425	0,403	0,0013

## TM30 DETAILS

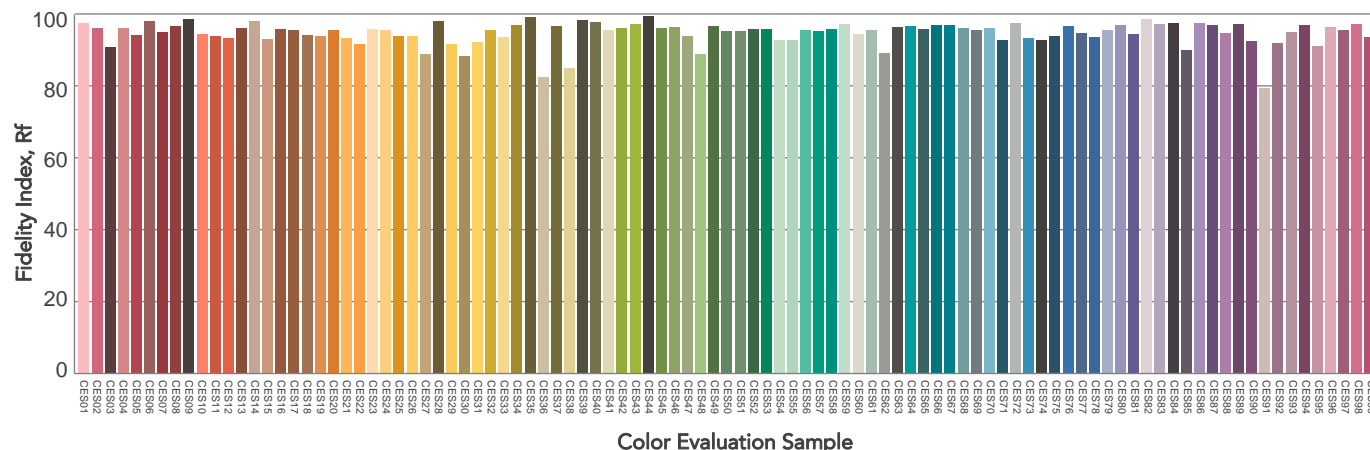
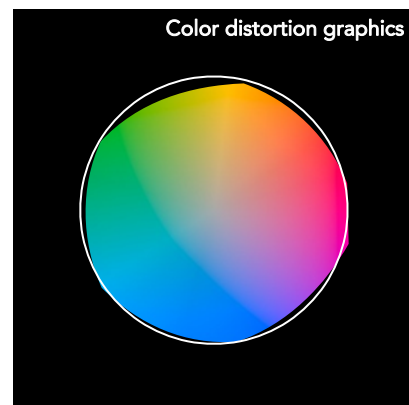
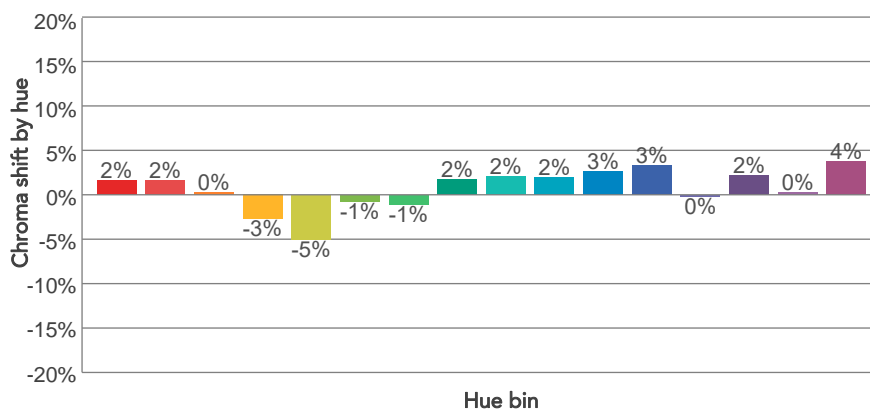
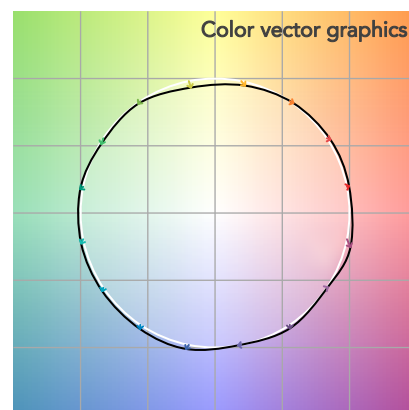
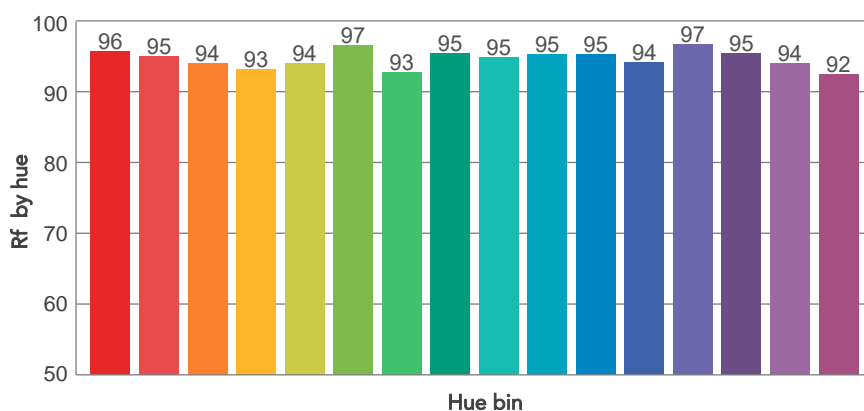
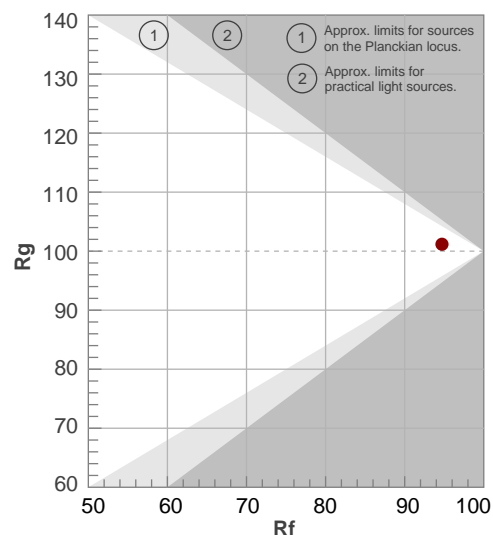
**Rf 94,7**

Fidelity index Rf

**Rg 101,2**

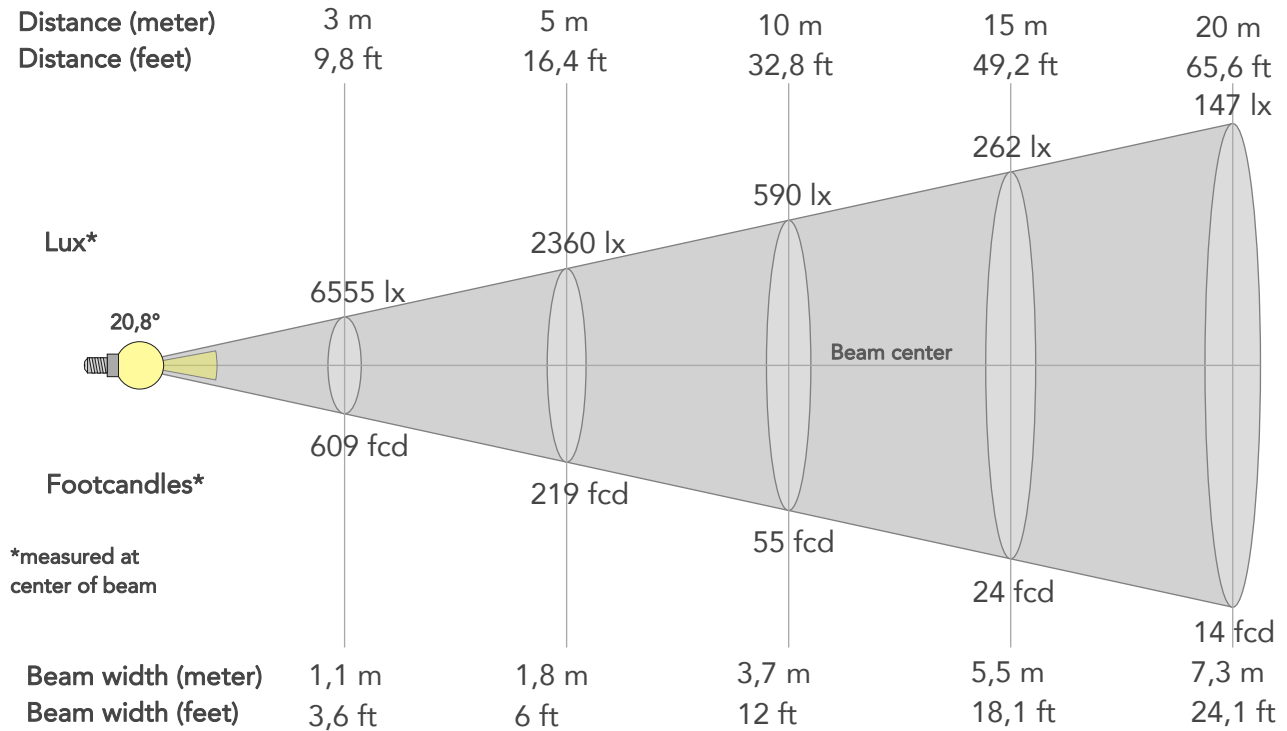
Gammut index

Hue Bin	R <sub>f</sub>	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	97	-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%	-2%
13	97	0%	-2%
14	95	2%	-1%
15	94	0%	1%
16	92	4%	-5%



# BEAM DETAILS

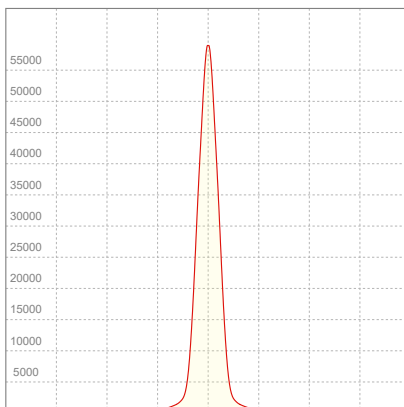
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,8°	36,2°	55°	95,1%	90,2%



## 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	58999lx	14750lx	6555lx	3687lx	2360lx	1049lx	590lx	262lx	147lx	94lx	66lx	37lx	24lx
Footcand.	5481fcd	1370fcd	609fcd	343fcd	219fcd	97fcd	55fcd	24fcd	14fcd	9fcd	6fcd	3fcd	2fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,8m	2,8m	3,7m	5,5m	7,3m	9,2m	11m	14,7m	18,3m
Beam wid.	1,2ft	2,4ft	3,6ft	4,8ft	6ft	9ft	12ft	18,1ft	24,1ft	30,1ft	36,1ft	48,1ft	60,2ft

## LINEAR DISTRIBUTION DIAGRAM



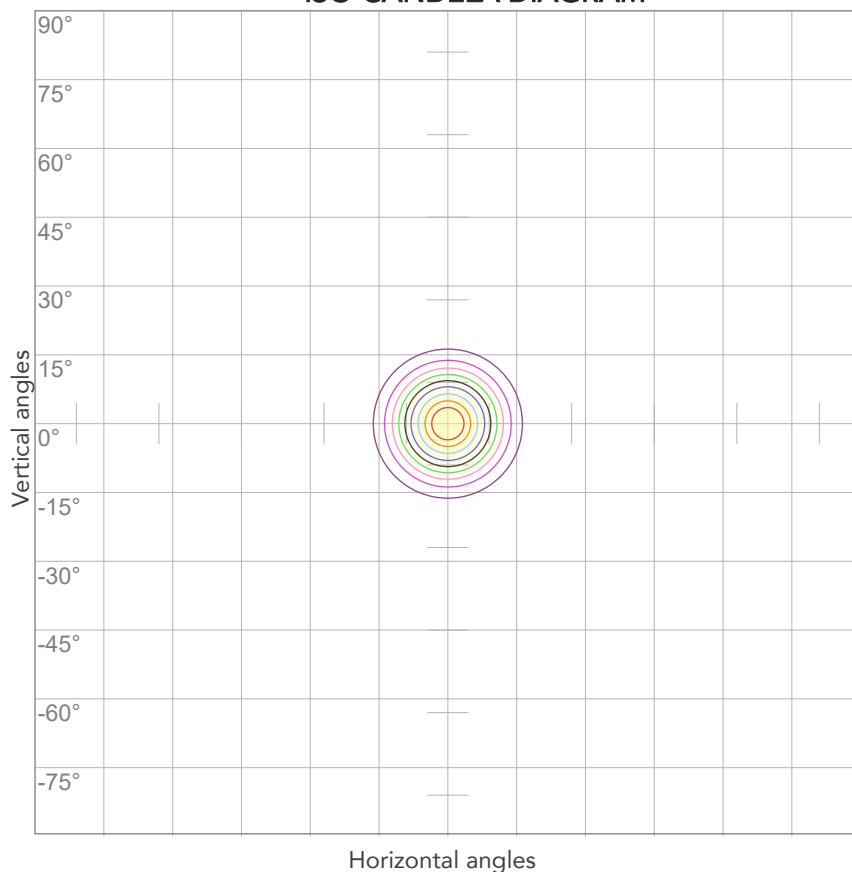
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,998A	215,2W	0,95	49lm/W



# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



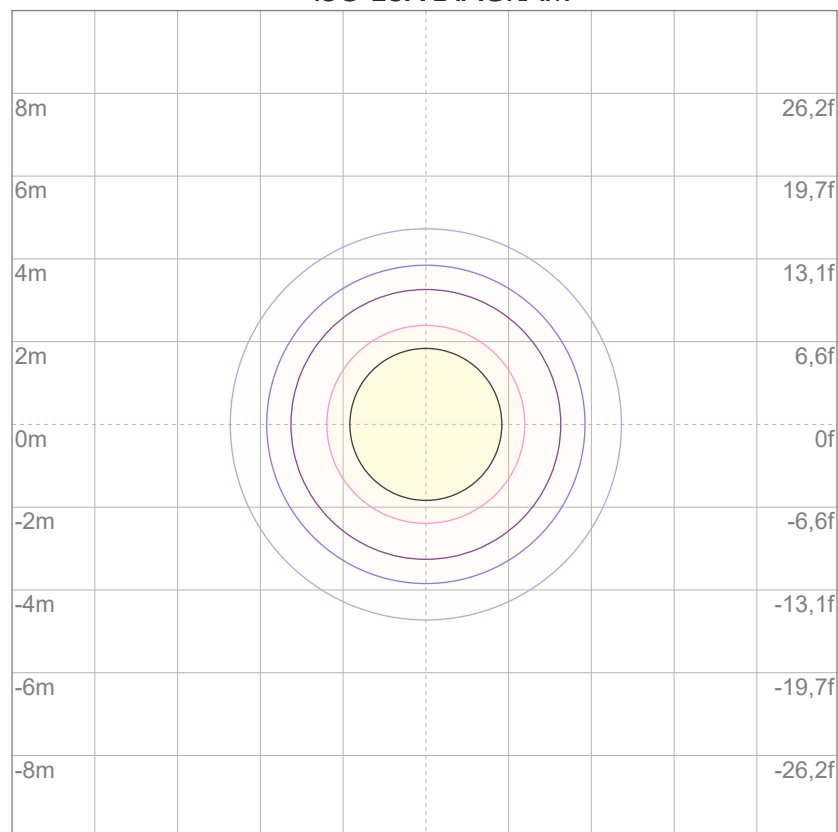
10%	5900 cd
20%	11800 cd
30%	17700 cd
40%	23600 cd
50%	29499 cd
60%	35399 cd
70%	41299 cd
80%	47199 cd

### Conditions:

Number of c-planes: 2

Candela at center: 58999 cd

## ISO LUX DIAGRAM



3%	17,7 lx
5%	29,5 lx
10%	59,0 lx
30%	177 lx
50%	295 lx

### Conditions:

Number of c-planes: 2

Lux at center: 590 lx

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



Total lumen output:

11233 lm

Peak candela output:

63659 cd

Light quality:

CRI: 95,0

Color temperature:

4013 K

**PRODUCT NAME:**

ARCSPOTXLVW

**MEASURAMENT CONDITIONS:**

Beam angle:

25°

Target:

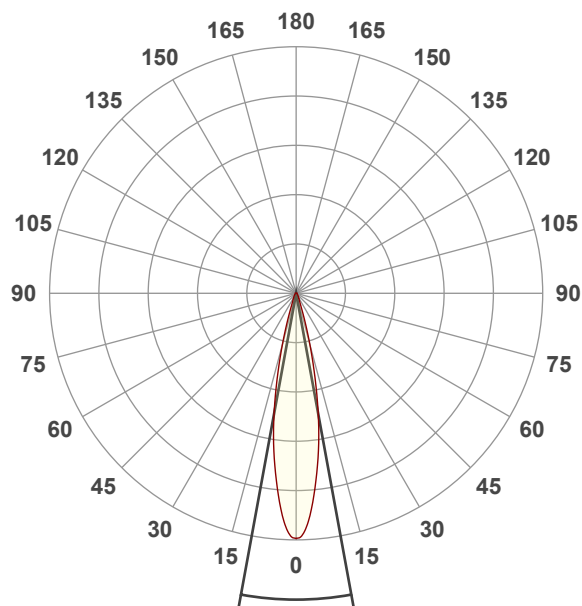
4000K

Operator:

Salvatore Giglio

Date and time:

15/05/2024 17:32:52

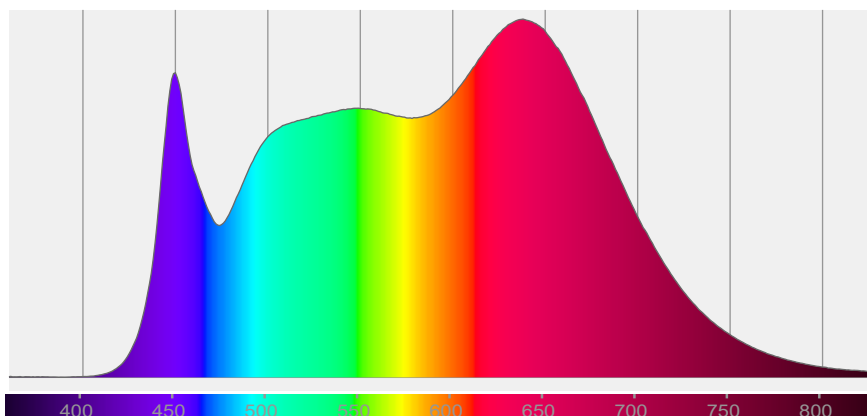


Beam angle 50%: 20,8°

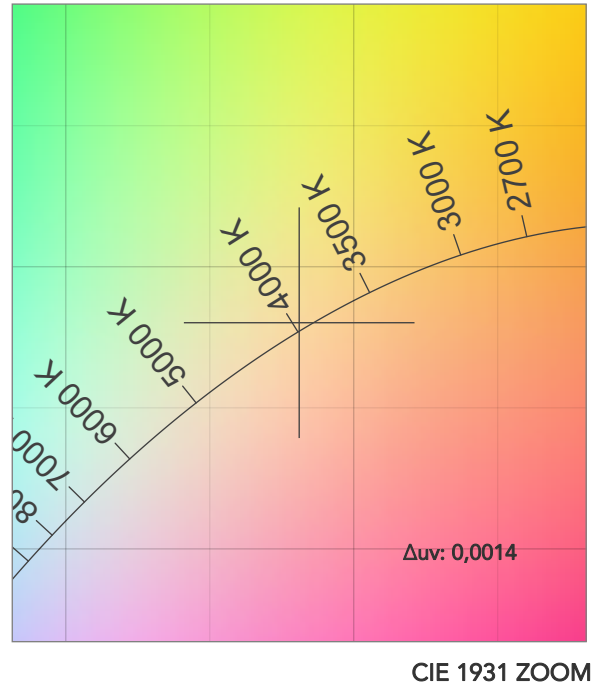
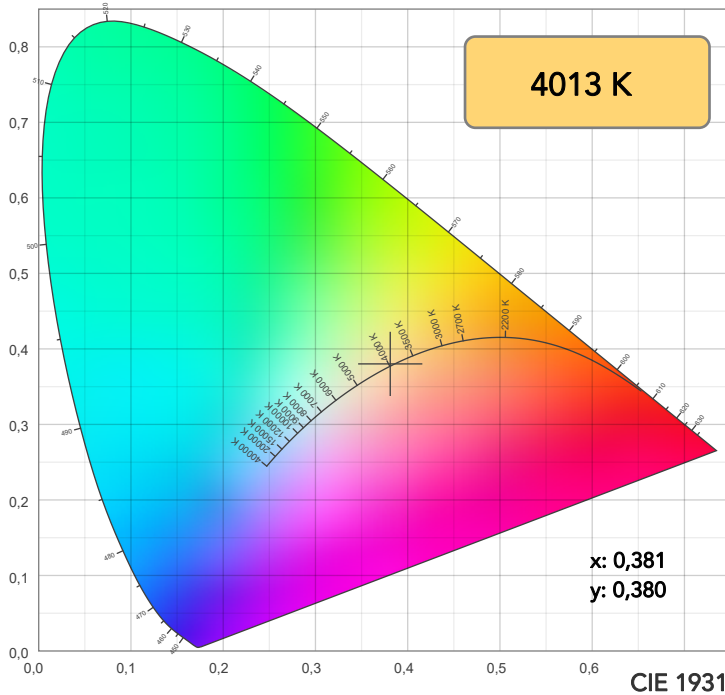
Field angle 10%: 36,1°

Cut off angle 2.5%: 54,6°

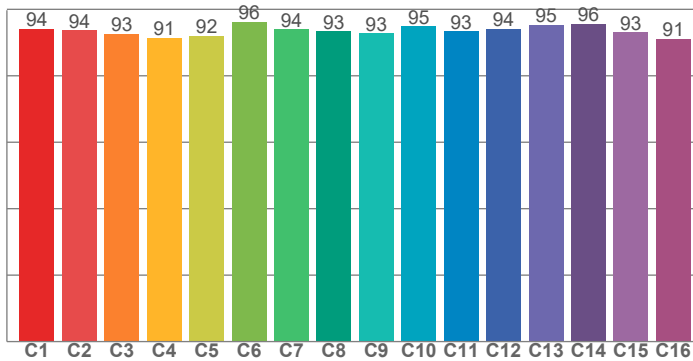
**Spectra**



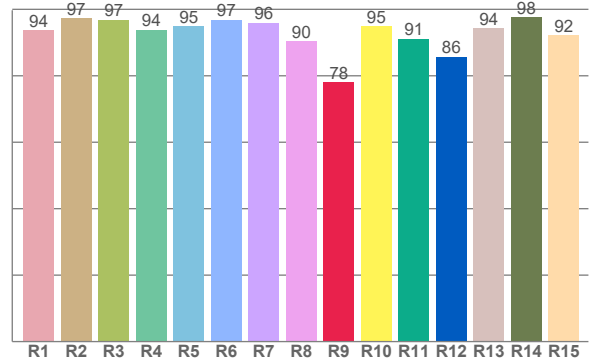
## COLOR DETAILS



TM30: 93,4



CRI: 95,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,7	97,4	96,8	93,8	94,9	96,8	95,9	90,4	78,1	94,8	91,2	85,7	94,3	97,6	92,3

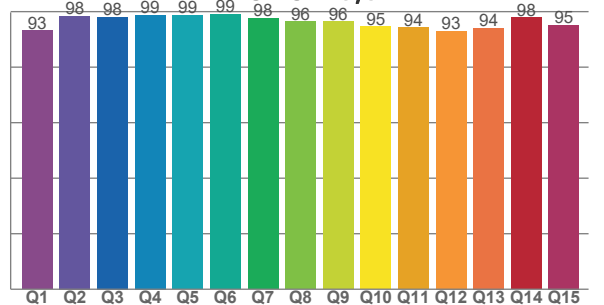
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 95,8



## COLOR PARAMETERS

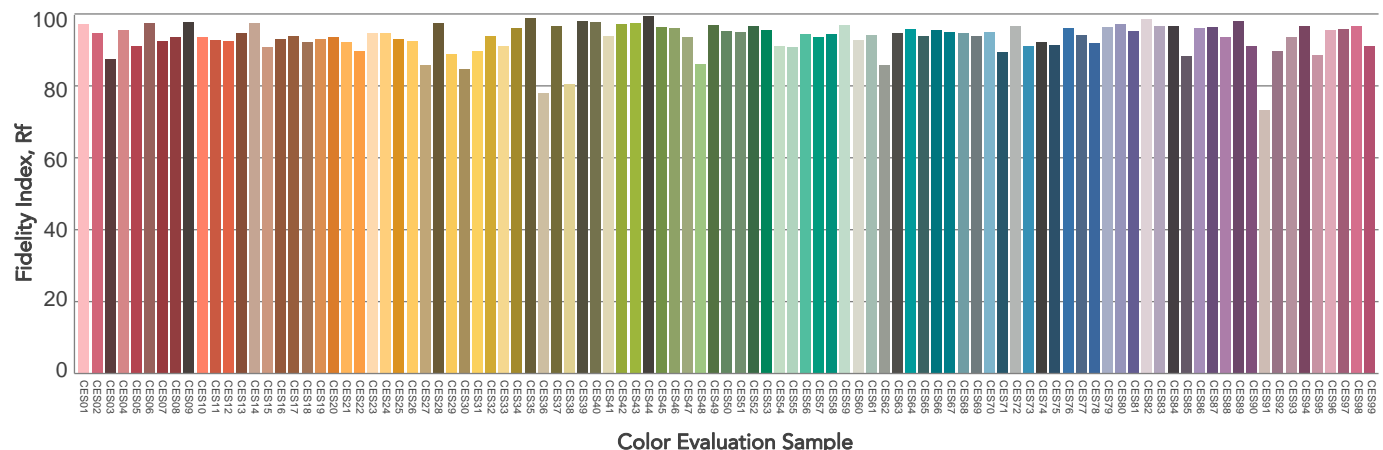
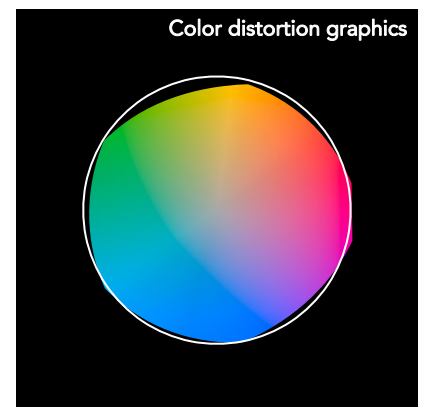
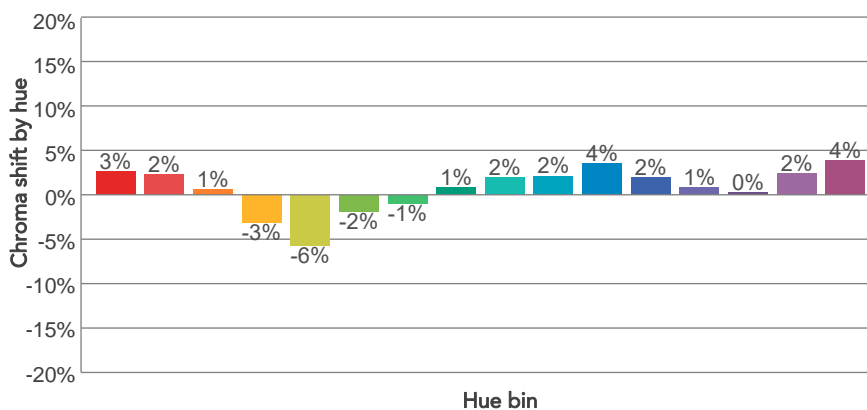
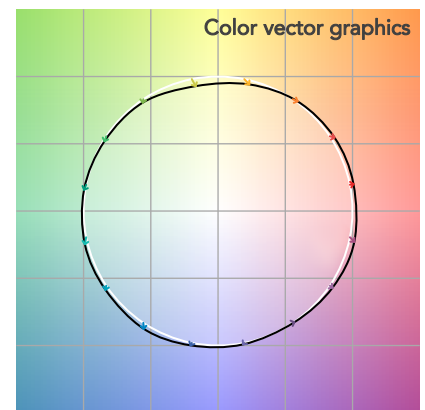
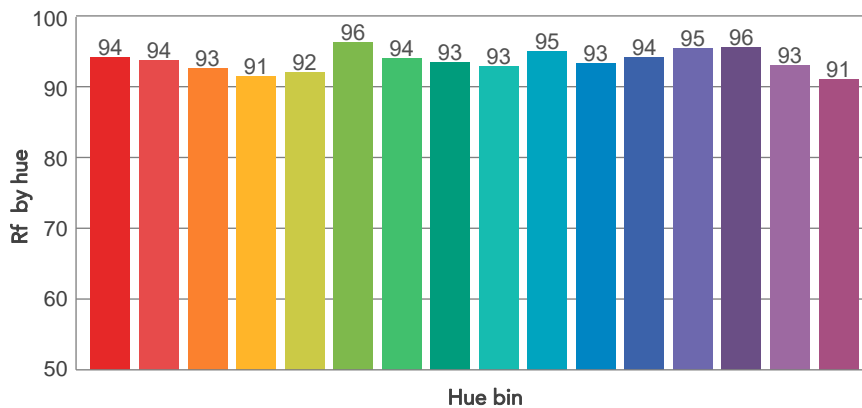
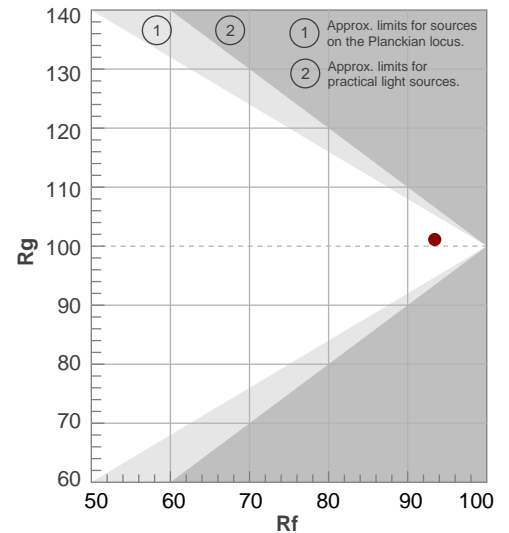
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
4013 K	95,0	78,1	93,4	101,1	95,8	99	0,381	0,380	0,0014

# TM30 DETAILS

**Rf 93,4**  
Fidelity index Rf

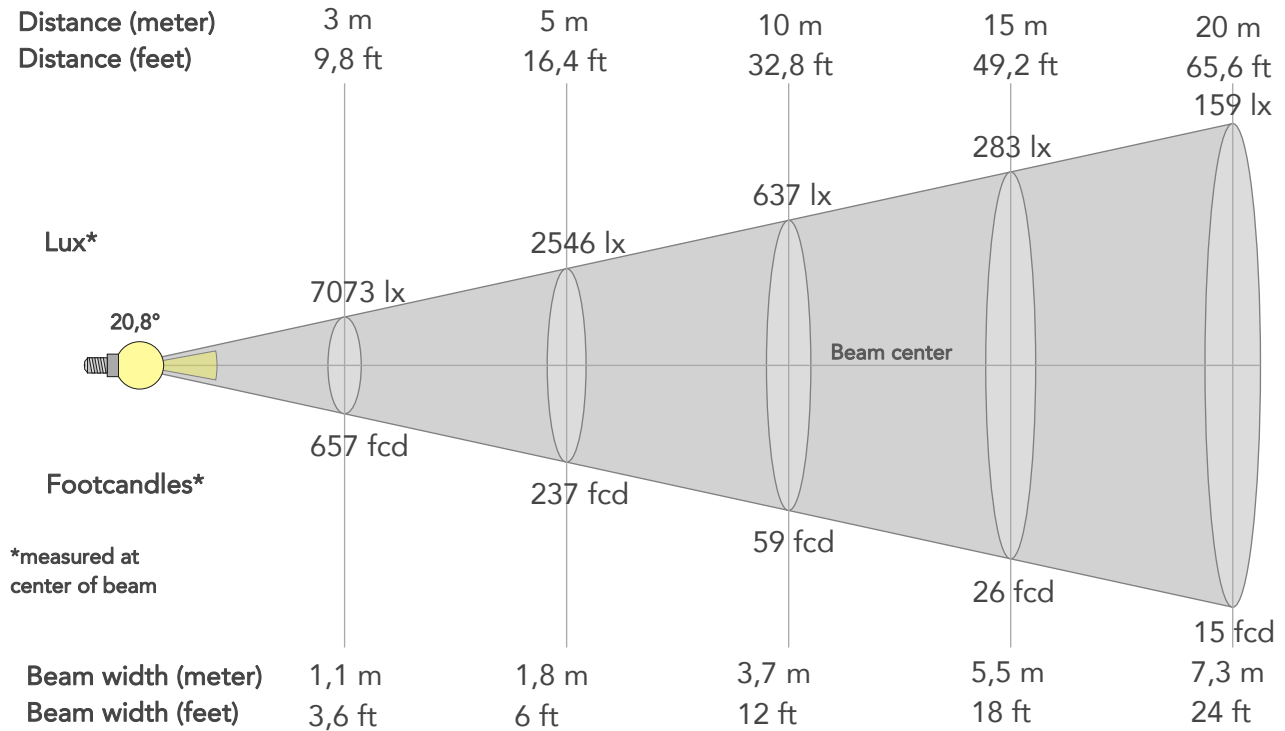
**Rg 101,1**  
Gammut index

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



# BEAM DETAILS

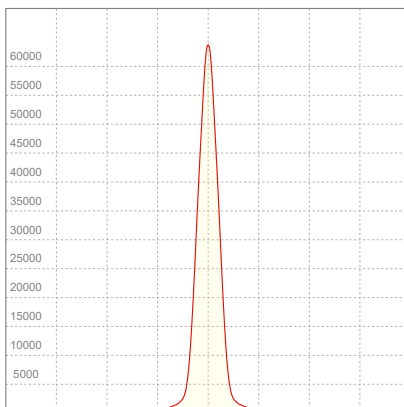
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,8°	36,1°	54,6°	95,3%	90,4%



## 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	63659lx	15915lx	7073lx	3979lx	2546lx	1132lx	637lx	283lx	159lx	102lx	71lx	40lx	25lx
Footcand.	5914fcd	1479fcd	657fcd	370fcd	237fcd	105fcd	59fcd	26fcd	15fcd	9fcd	7fcd	4fcd	2fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,8m	2,7m	3,7m	5,5m	7,3m	9,2m	11m	14,6m	18,3m
Beam wid.	1,2ft	2,4ft	3,6ft	4,8ft	6ft	9ft	12ft	18ft	24ft	30ft	36ft	48,1ft	60,1ft

## LINEAR DISTRIBUTION DIAGRAM

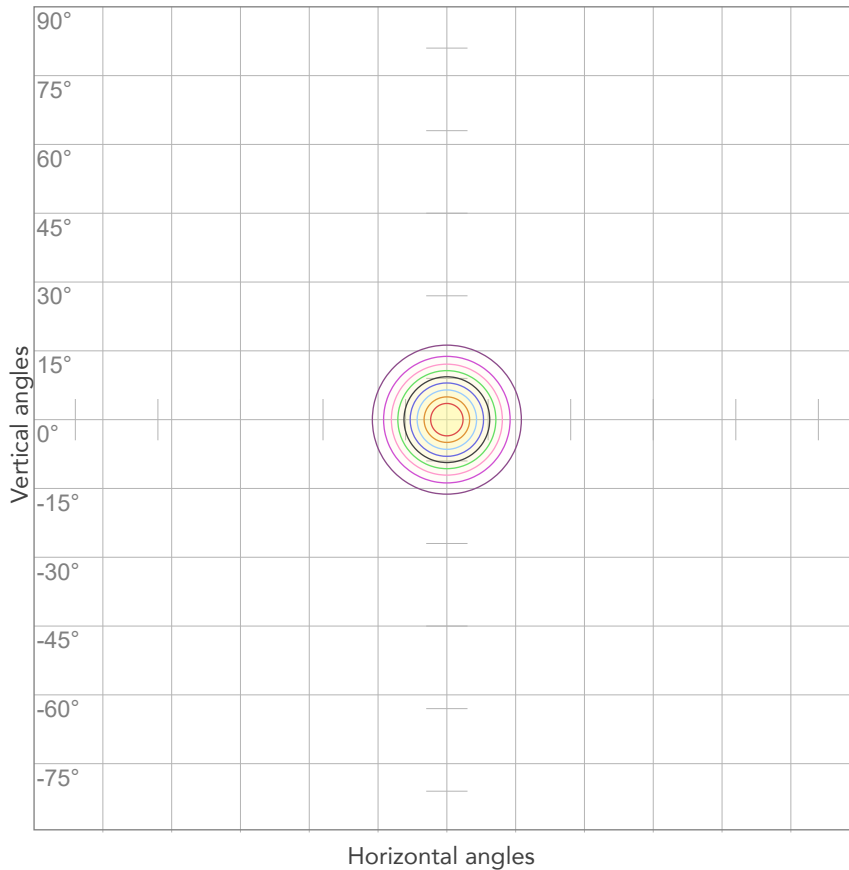


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,995A	215W	0,95	52lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



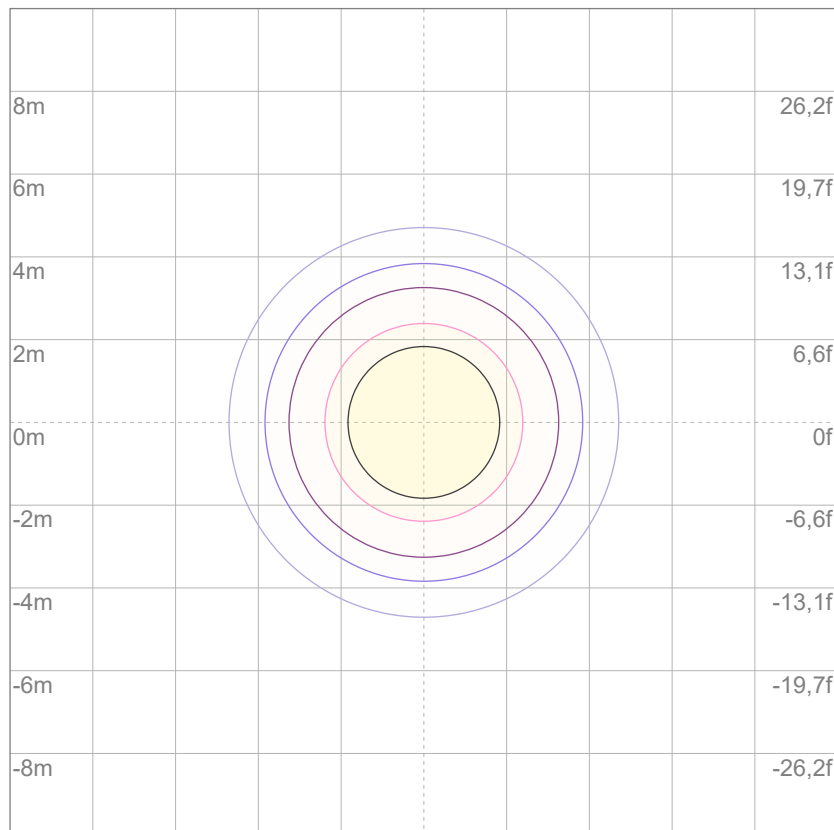
10%	6366 cd
20%	12732 cd
30%	19098 cd
40%	25464 cd
50%	31830 cd
60%	38196 cd
70%	44562 cd
80%	50928 cd

### Conditions:

Number of c-planes: 2

Candela at center: 63659 cd

## ISO LUX DIAGRAM



3%	19,1 lx
5%	31,8 lx
10%	63,7 lx
30%	191 lx
50%	318 lx

### Conditions:

Number of c-planes: 2

Lux at center: 637 lx

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



Total lumen output:

12547 lm

Peak candela output:

72044 cd

Light quality:

CRI: 97,8

Color temperature:

5605 K

**PRODUCT NAME:**

ARCSPOTXLVW

**MEASURAMENT CONDITIONS:**

Beam angle:

25°

Target:

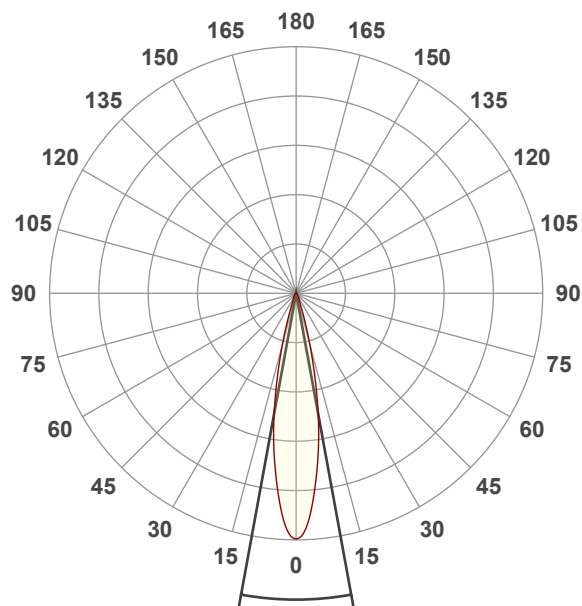
5600K

Operator:

Salvatore Giglio

Date and time:

15/05/2024 17:48:19

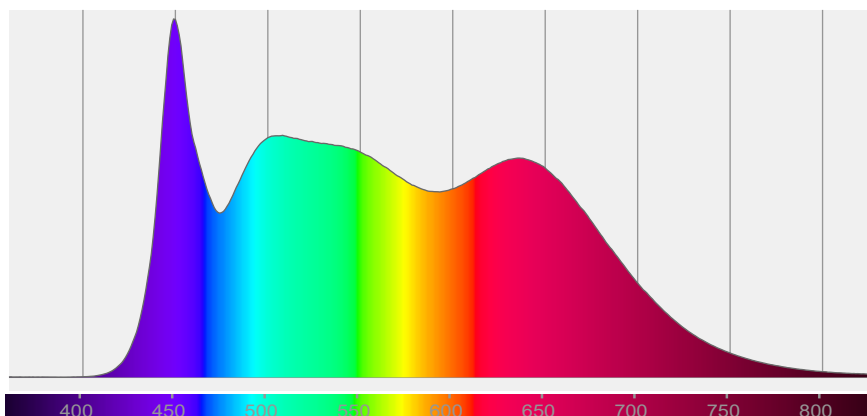


Beam angle 50%: 20,7°

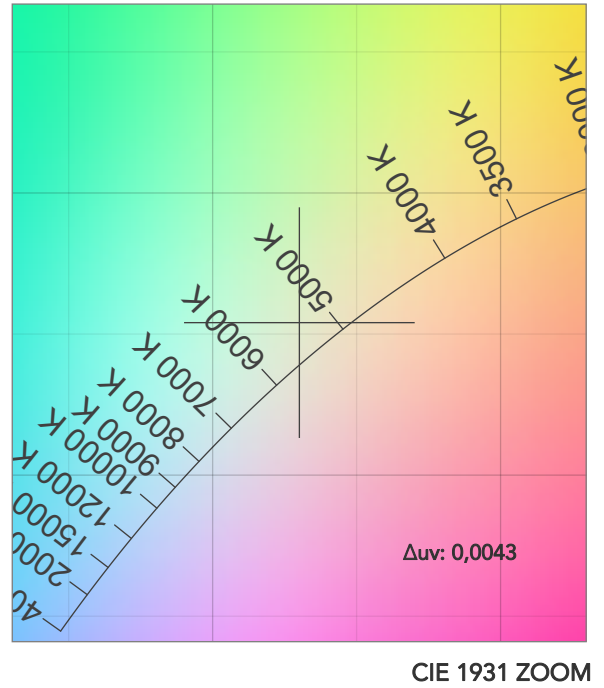
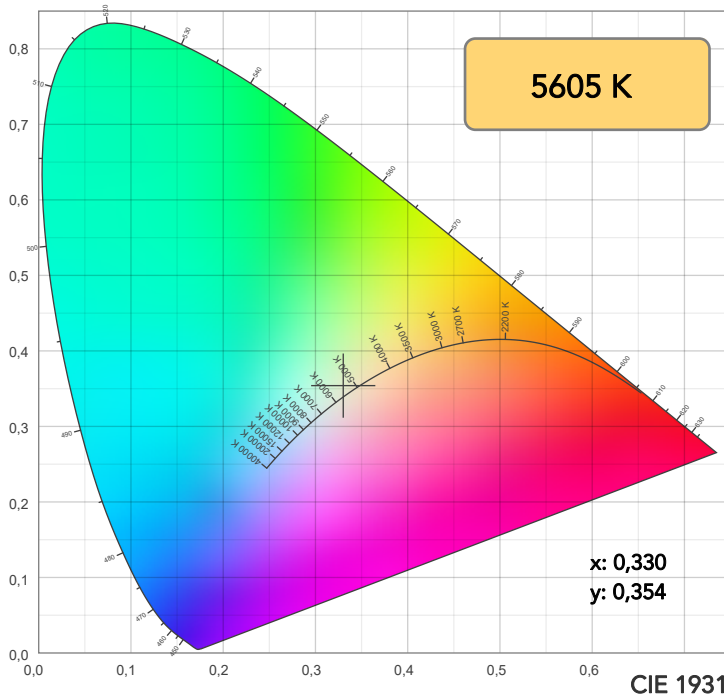
Field angle 10%: 36,1°

Cut off angle 2.5%: 54,3°

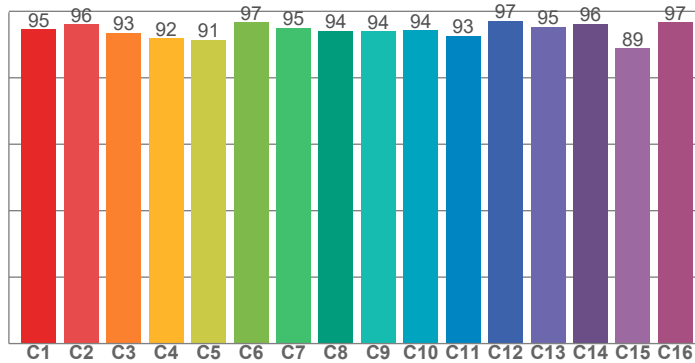
**Spectra**



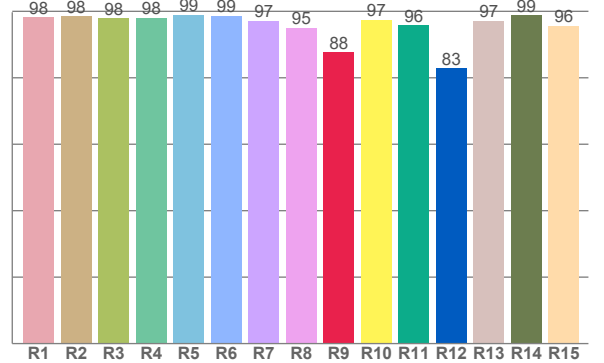
# COLOR DETAILS



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
98,3	98,5	98,0	98,1	99,0	98,6	97,1	95,1	87,7	97,5	95,8	82,9	97,2	98,8	95,7

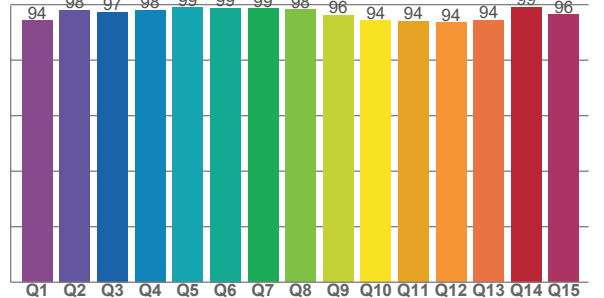
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,6	96,1	93,5	91,9	91,4	96,7	95,0	94,1	94,0	94,2	92,6	97,2	95,3	96,3	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	97,4	98,1	98,9	98,9	98,6	98,2	96,3	94,2	94,2	93,5	94,3	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	$\Delta uv$
5605 K	97,8	87,7	93,9	100,0	96,1	98	0,330	0,354	0,0043

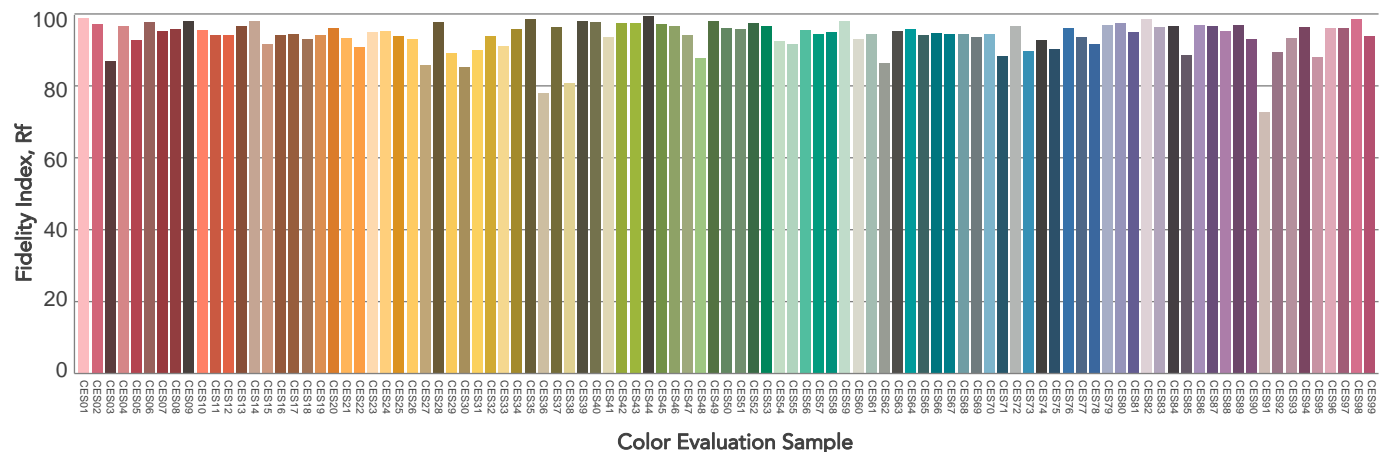
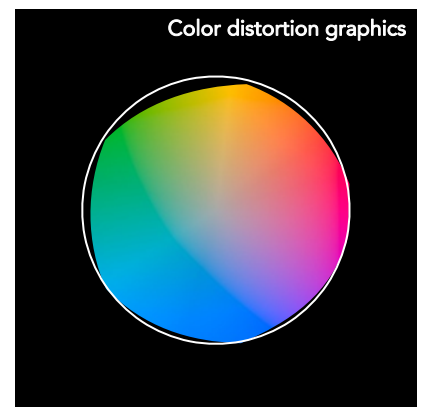
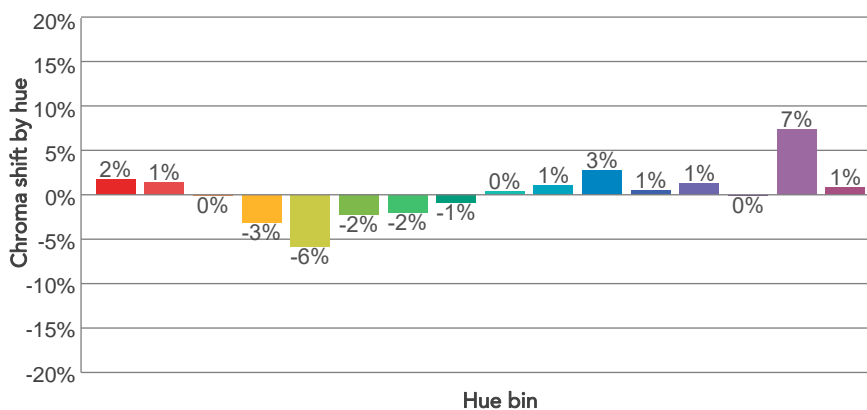
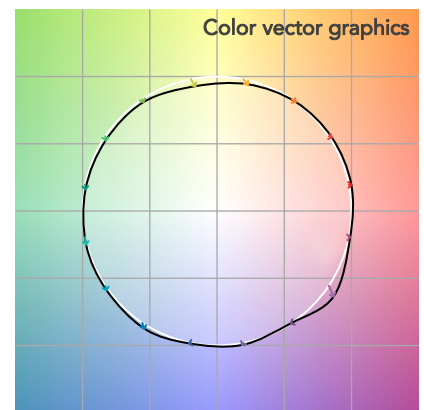
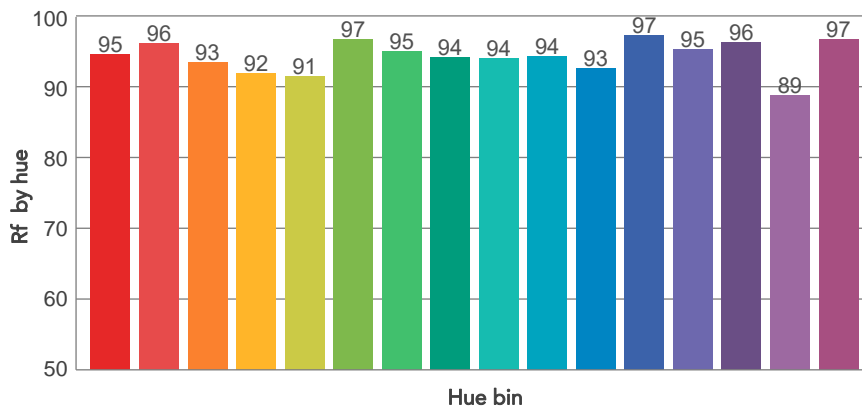
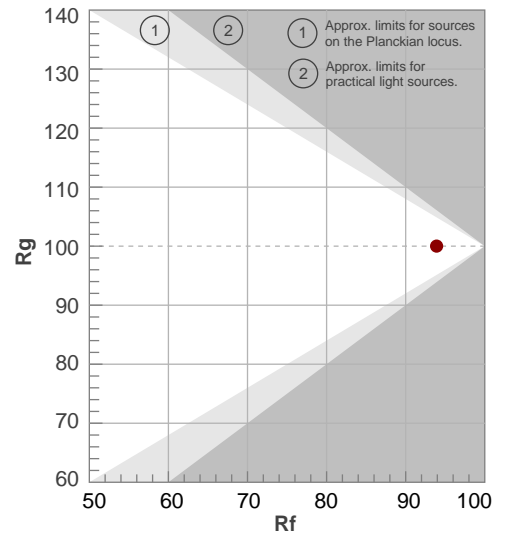


# TM30 DETAILS

**Rf 93,9**  
Fidelity index Rf

**Rg 100,0**  
Gammut index

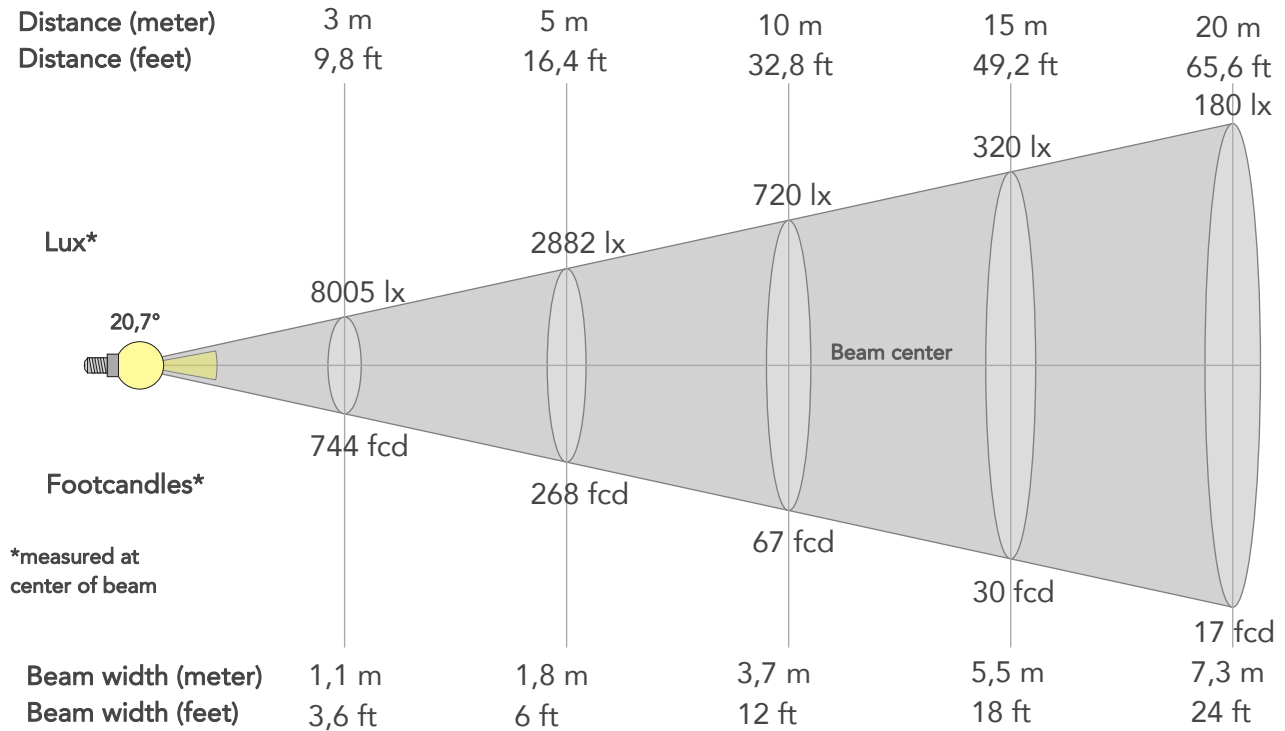
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	0%
2	96	1%	-2%
3	93	0%	-4%
4	92	-3%	-4%
5	91	-6%	-2%
6	97	-2%	1%
7	95	-2%	2%
8	94	-1%	3%
9	94	0%	5%
10	94	1%	3%
11	93	3%	4%
12	97	1%	-1%
13	95	1%	-1%
14	96	0%	-1%
15	89	7%	-5%
16	97	1%	0%



# BEAM DETAILS



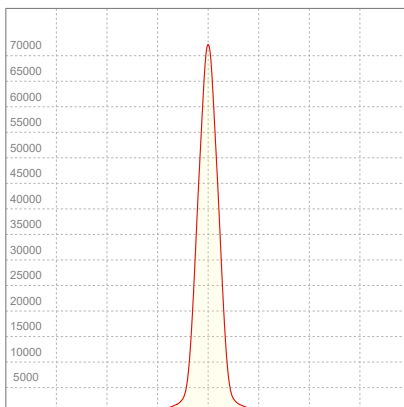
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,7°	36,1°	54,3°	95,8%	91,1%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	72044lx	18011lx	8005lx	4503lx	2882lx	1281lx	720lx	320lx	180lx	115lx	80lx	45lx	29lx
Footcand.	6693fcd	1673fcd	744fcd	418fcd	268fcd	119fcd	67fcd	30fcd	17fcd	11fcd	7fcd	4fcd	3fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,8m	2,7m	3,7m	5,5m	7,3m	9,1m	11m	14,6m	18,3m
Beam wid.	1,2ft	2,4ft	3,6ft	4,8ft	6ft	9ft	12ft	18ft	24ft	30ft	36ft	47,9ft	59,9ft

## LINEAR DISTRIBUTION DIAGRAM

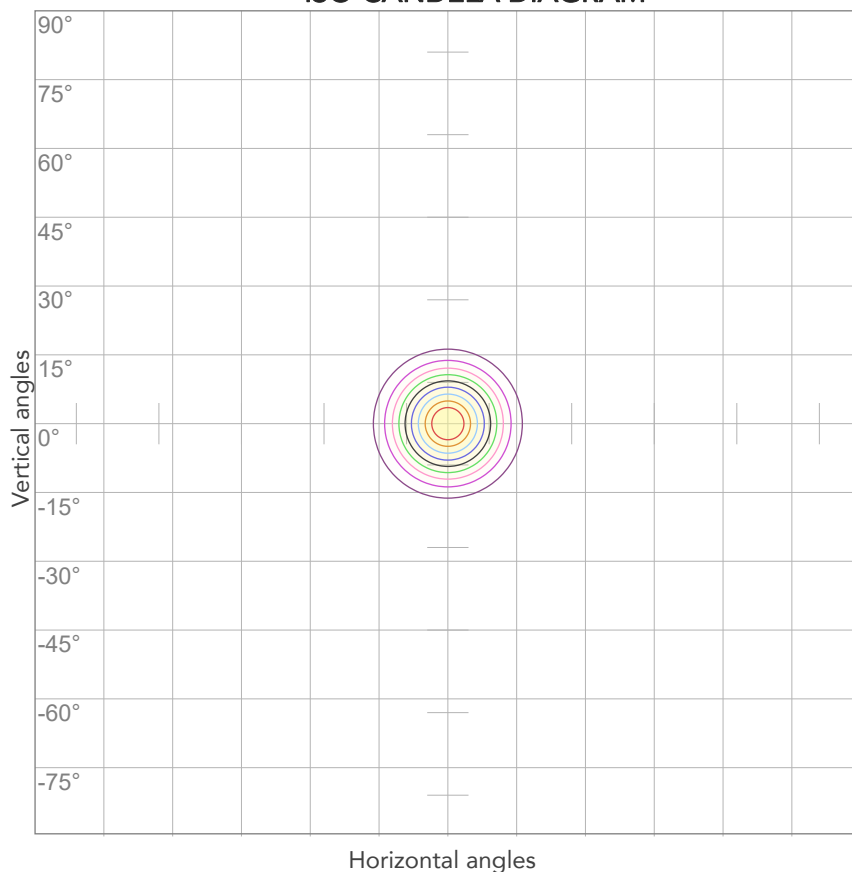


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	1,01A	215,3W	0,95	58lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



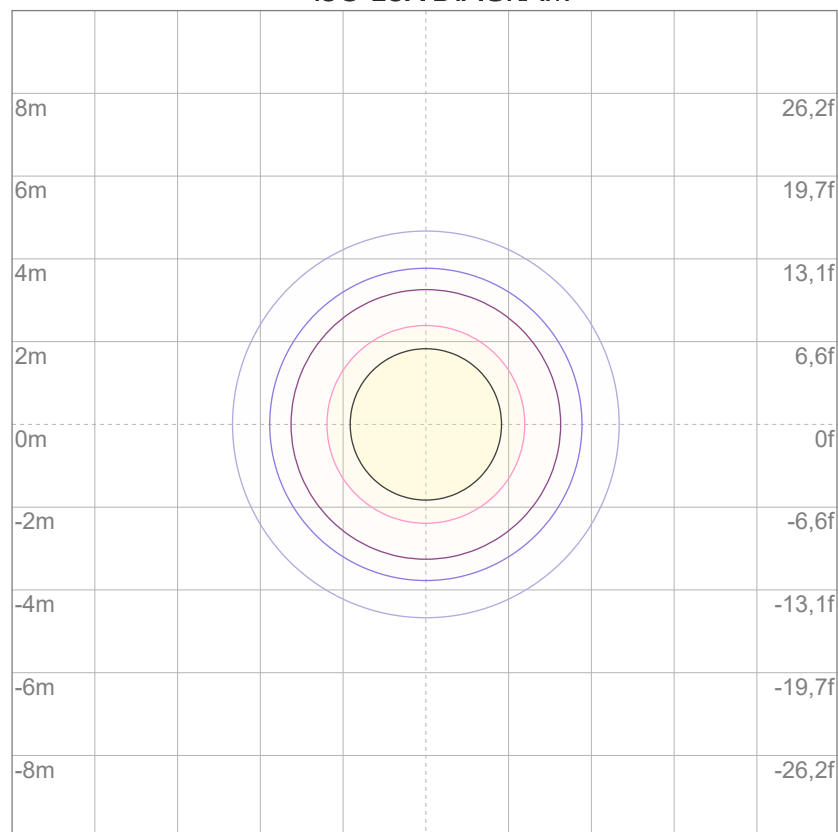
10%	7204 cd
20%	14409 cd
30%	21613 cd
40%	28818 cd
50%	36022 cd
60%	43227 cd
70%	50431 cd
80%	57636 cd

### Conditions:

Number of c-planes: 2

Candela at center: 72044 cd

## ISO LUX DIAGRAM



3%	21,6 lx
5%	36,0 lx
10%	72,0 lx
30%	216 lx
50%	360 lx

### Conditions:

Number of c-planes: 2

Lux at center: 720 lx

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



Total lumen output:

12811 lm

Peak candela output:

72790 cd

Light quality:

CRI: 97,9

Color temperature:

6011 K

**PRODUCT NAME:**

ARCSPOTXLVW

**MEASURAMENT CONDITIONS:**

Beam angle:

25°

Target:

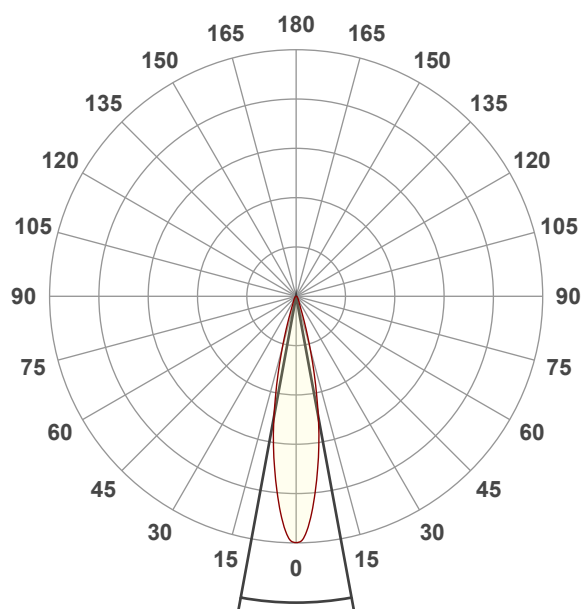
6000K

Operator:

Salvatore Giglio

Date and time:

15/05/2024 17:51:50

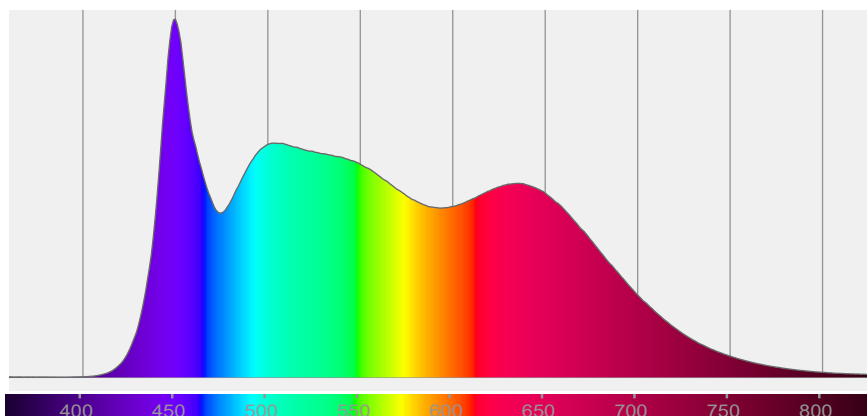


Beam angle 50%: 20,8°

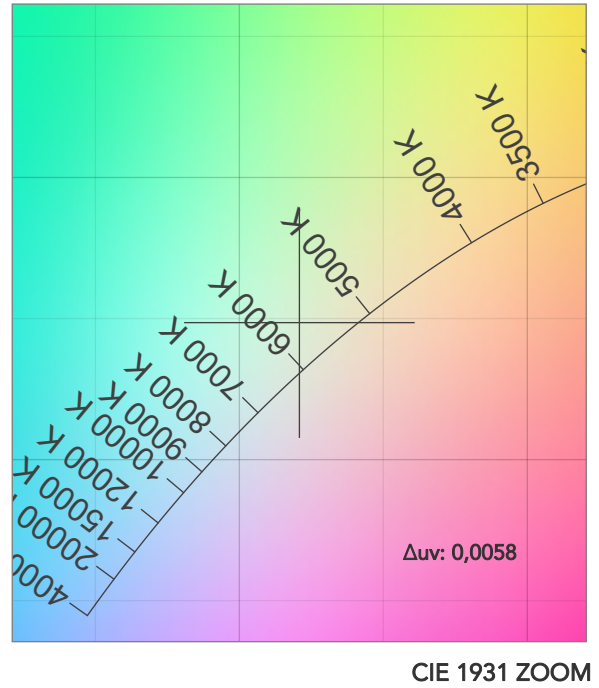
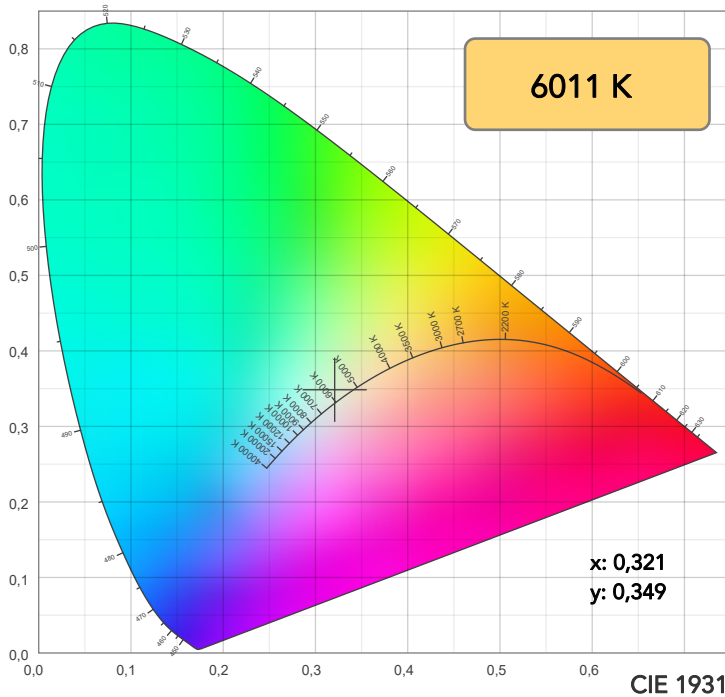
Field angle 10%: 36,3°

Cut off angle 2.5%: 54,4°

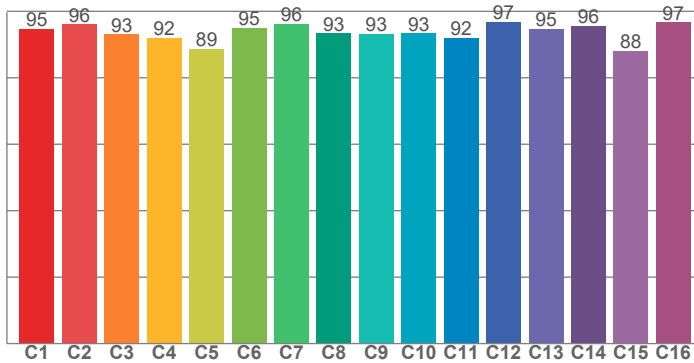
**Spectra**



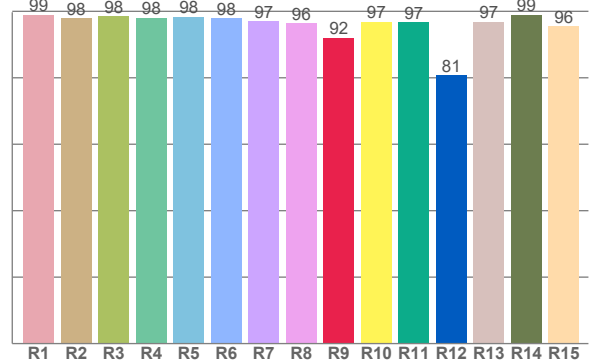
# COLOR DETAILS



**TM30: 93,3**



**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	97,9	98,5	98,1	98,4	98,0	97,1	96,4	92,0	96,9	96,8	80,7	96,8	99,0	95,5

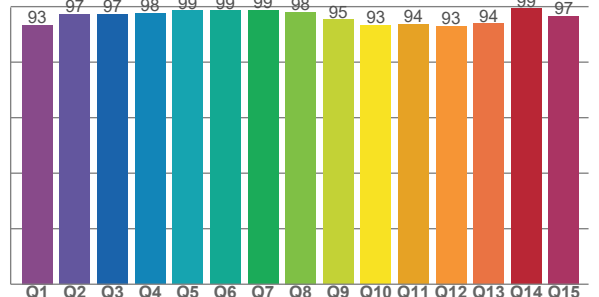
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

**CQS: 95,7**



## COLOR PARAMETERS

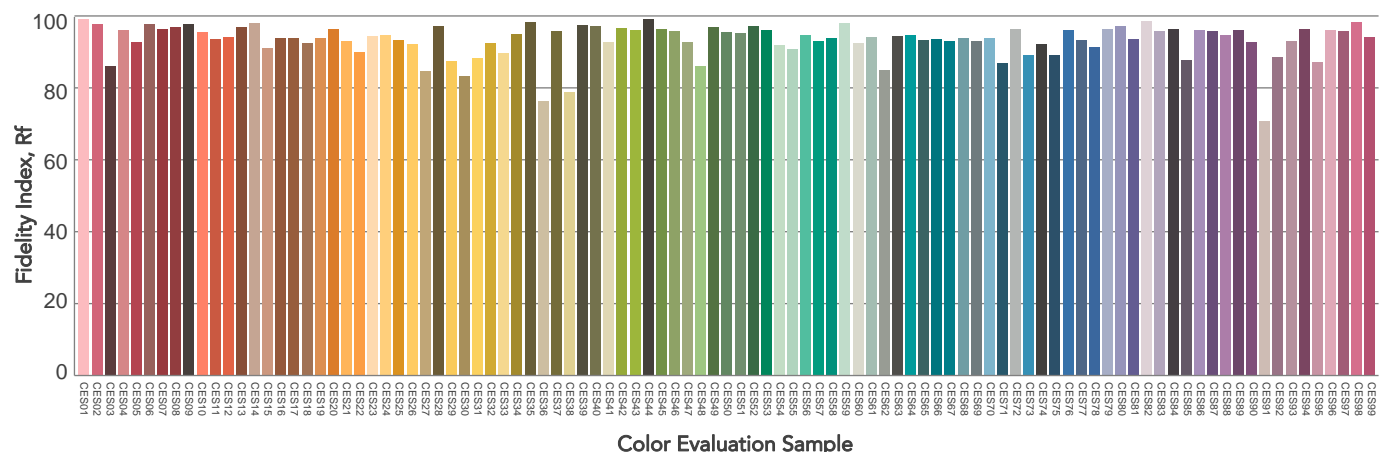
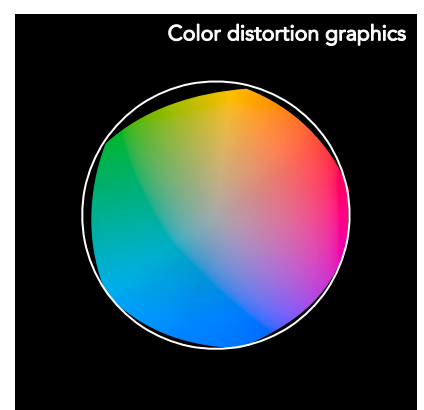
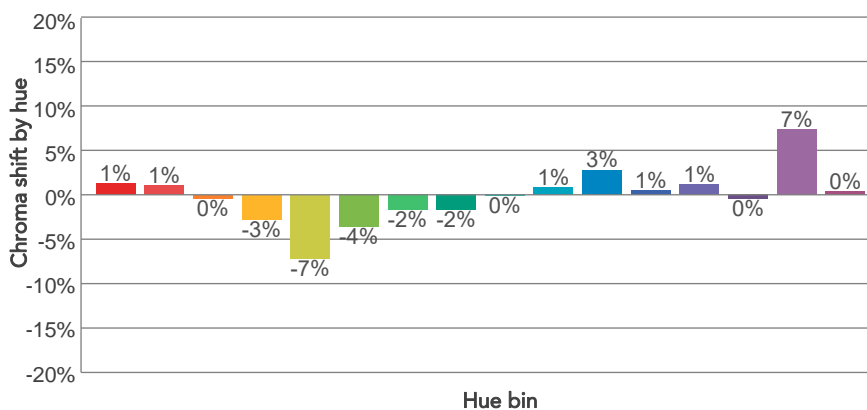
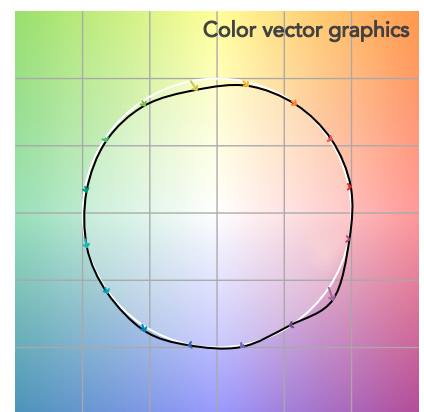
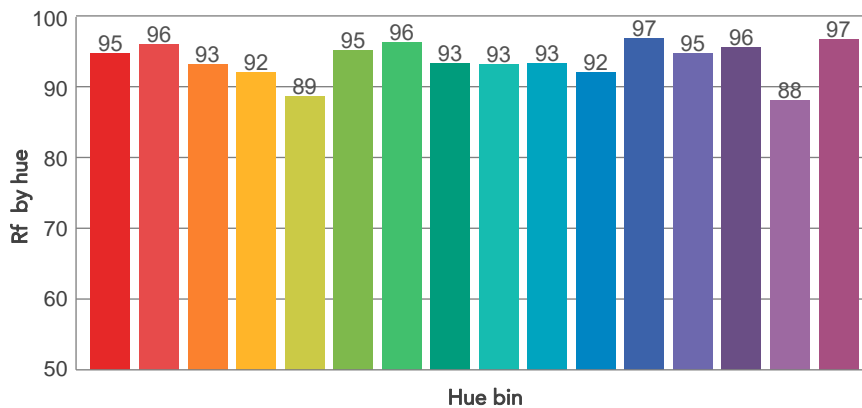
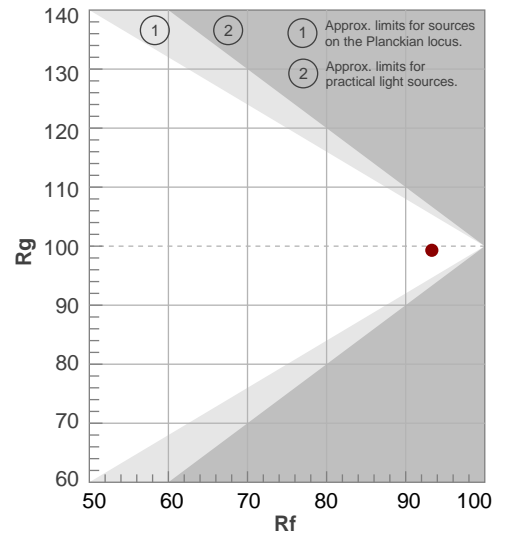
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
6011 K	97,9	92,0	93,3	99,3	95,7	98	0,321	0,349	0,0058

# TM30 DETAILS

**Rf 93,3**  
Fidelity index Rf

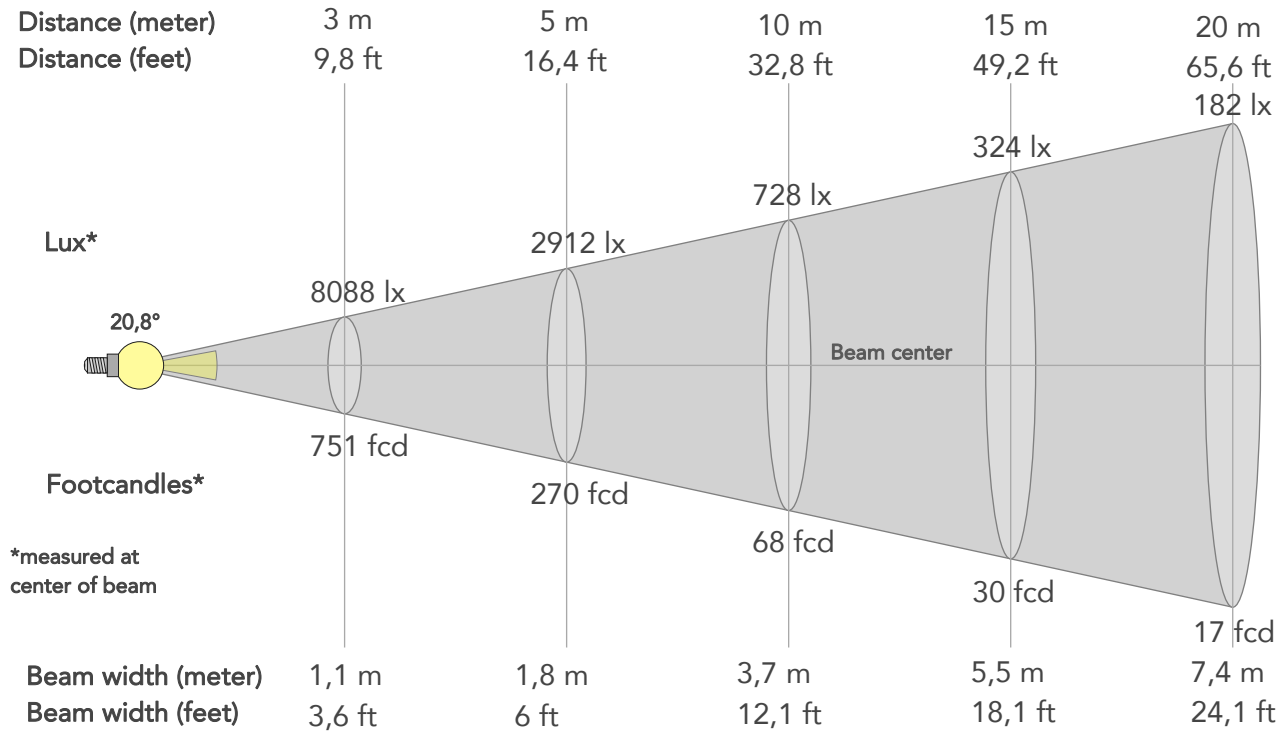
**Rg 99,3**  
Gammut index

		Graphic shifts (%)	
Hue Bin	R <sub>f</sub>	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%	-2%
13	95	1%	-2%
14	96	0%	-2%
15	88	7%	-6%
16	97	0%	0%



# BEAM DETAILS

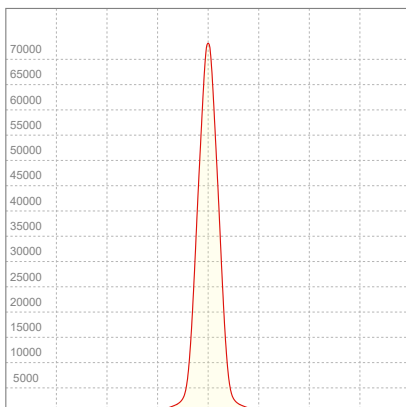
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,8°	36,3°	54,4°	95,8%	91,1%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	72790lx	18197lx	8088lx	4549lx	2912lx	1294lx	728lx	324lx	182lx	116lx	81lx	45lx	29lx
Footcand.	6762fcd	1691fcd	751fcd	423fcd	270fcd	120fcd	68fcd	30fcd	17fcd	11fcd	8fcd	4fcd	3fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,8m	2,8m	3,7m	5,5m	7,4m	9,2m	11m	14,7m	18,4m
Beam wid.	1,2ft	2,4ft	3,6ft	4,8ft	6ft	9,1ft	12,1ft	18,1ft	24,1ft	30,2ft	36,2ft	48,3ft	60,3ft

## LINEAR DISTRIBUTION DIAGRAM

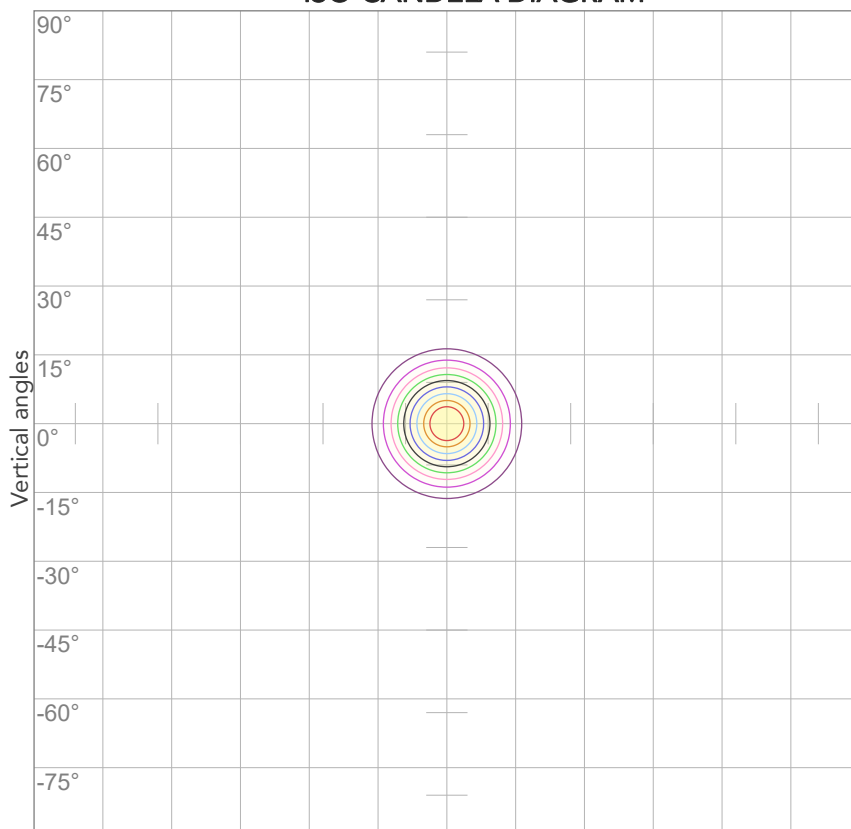


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	1,01A	215W	0,95	60lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



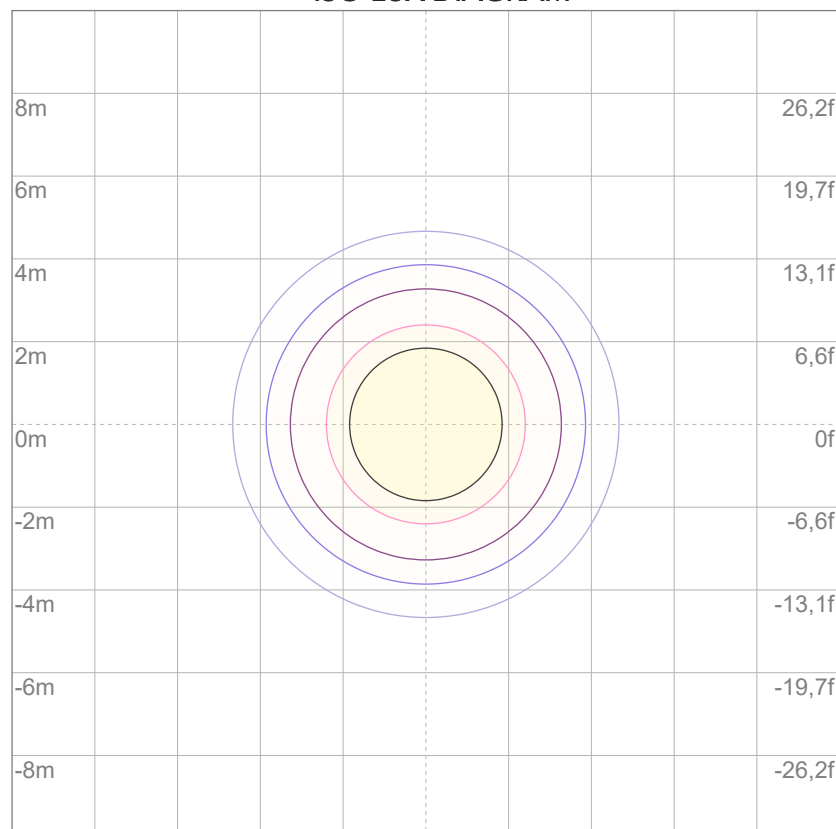
10%	7279 cd
20%	14558 cd
30%	21837 cd
40%	29116 cd
50%	36395 cd
60%	43674 cd
70%	50953 cd
80%	58232 cd

### Conditions:

Number of c-planes: 2

Candela at center: 72790 cd

## ISO LUX DIAGRAM



3%	21,8 lx
5%	36,4 lx
10%	72,8 lx
30%	218 lx
50%	364 lx

### Conditions:

Number of c-planes: 2

Lux at center: 728 lx

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





Total lumen output:

13509 lm

Peak candela output:

75478 cd

Light quality:

CRI: 97,0

Color temperature:

6527 K

**PRODUCT NAME:**

ARCSPOTXLVW

**MEASURAMENT CONDITIONS:**

Beam angle:

25°

Target:

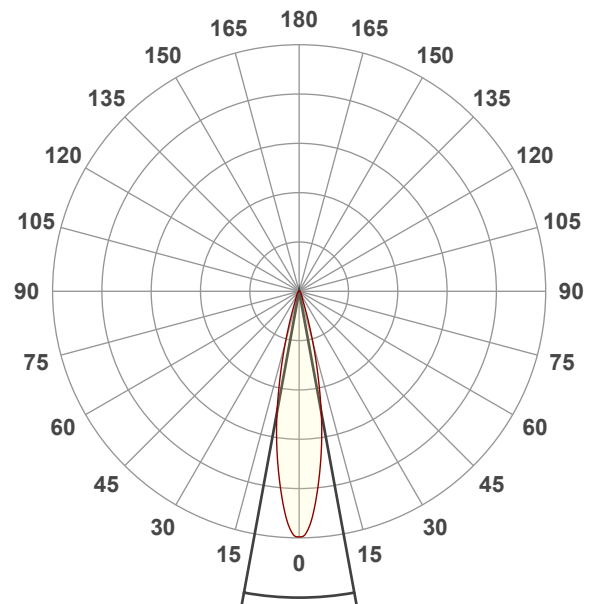
6500K

Operator:

Salvatore Giglio

Date and time:

15/05/2024 17:54:16

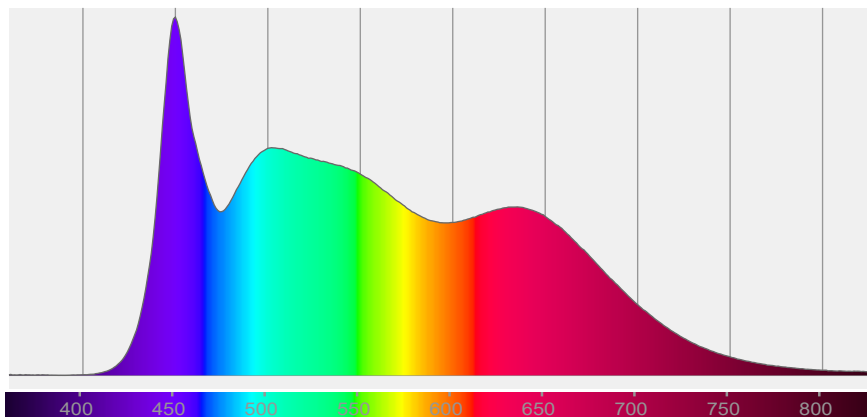


Beam angle 50%: 20,8°

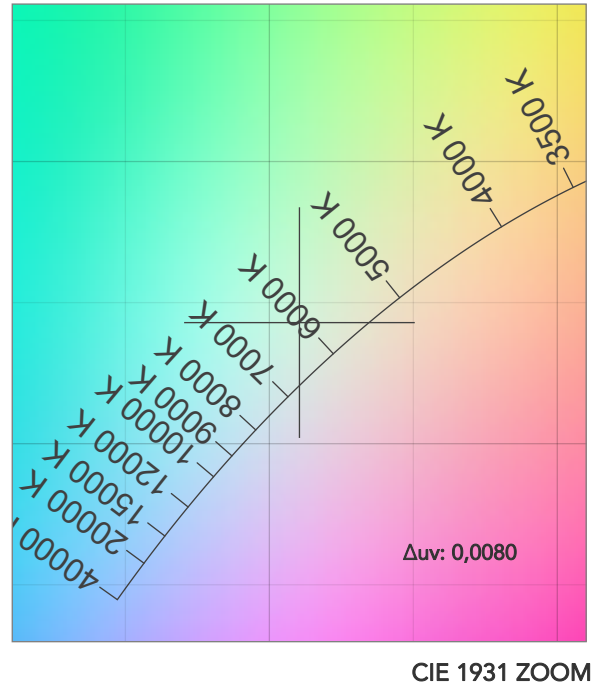
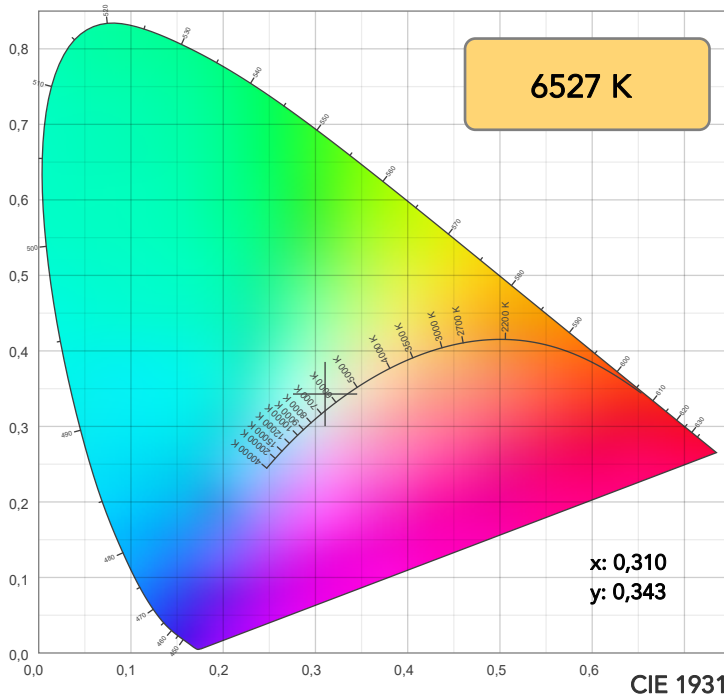
Field angle 10%: 36,2°

Cut off angle 2.5%: 54,7°

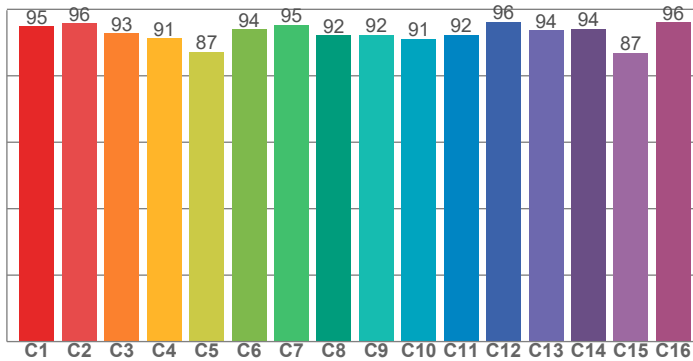
**Spectra**



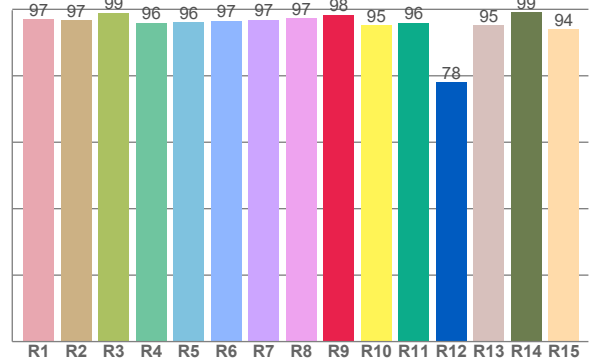
## COLOR DETAILS



**TM30: 92,5**



**CRI: 97,0 (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
97,1	96,8	98,9	96,0	96,2	96,6	96,9	97,4	98,4	95,2	95,9	78,0	95,3	99,1	94,1

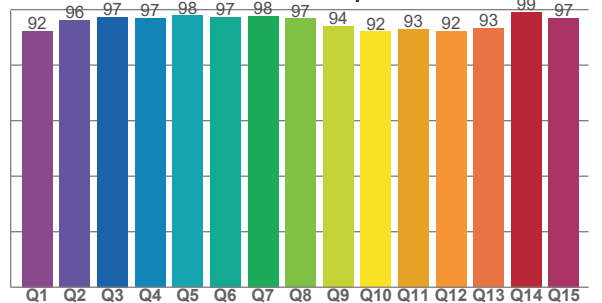
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

**CQS: 95,0**



## COLOR PARAMETERS

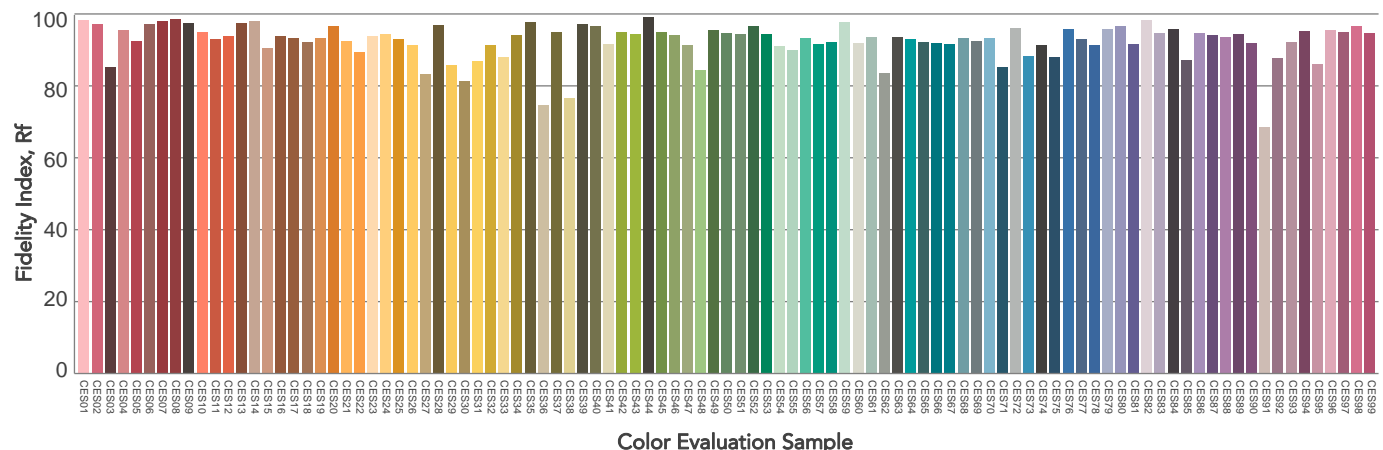
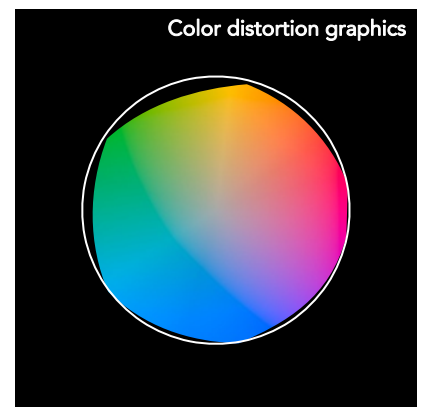
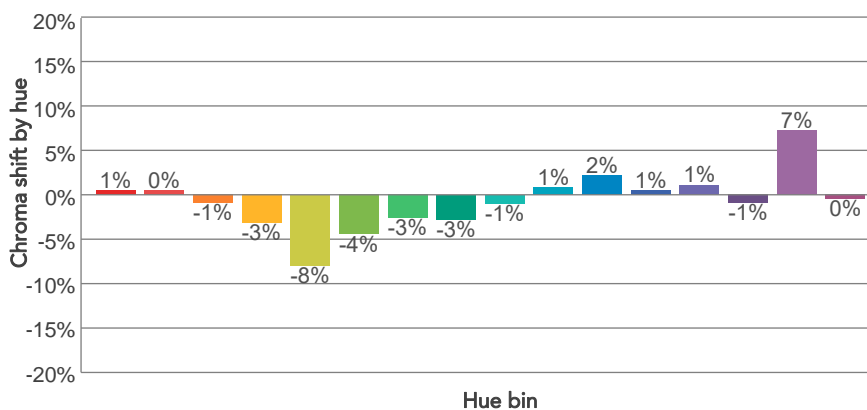
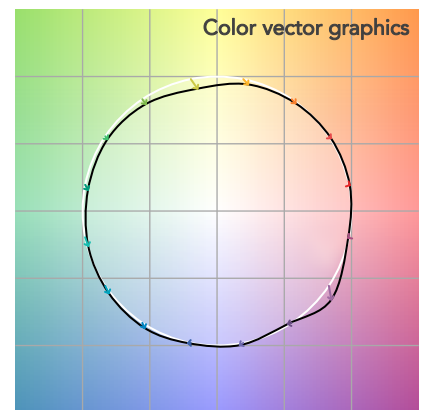
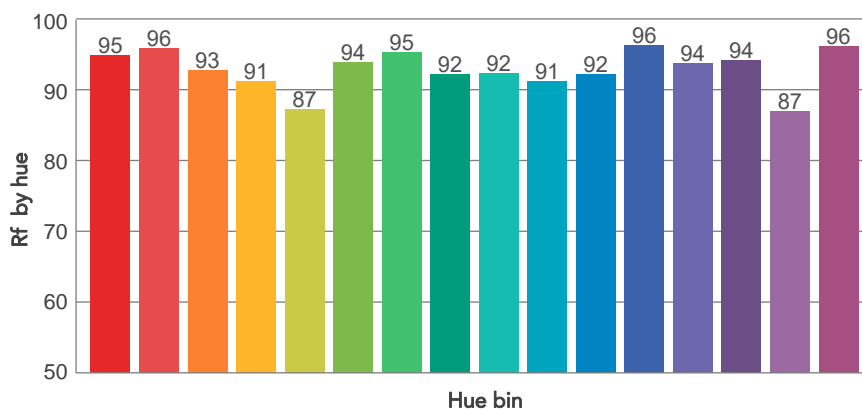
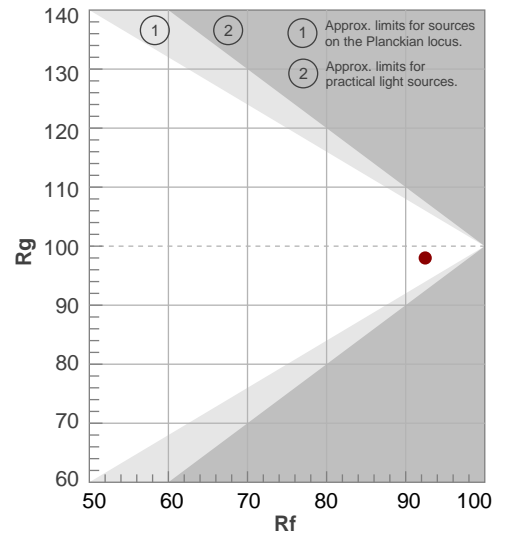
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
6527 K	97,0	98,4	92,5	98,0	95,0	98	0,310	0,343	0,0080

# TM30 DETAILS

**Rf 92,5**  
Fidelity index Rf

**Rg 98,0**  
Gammut index

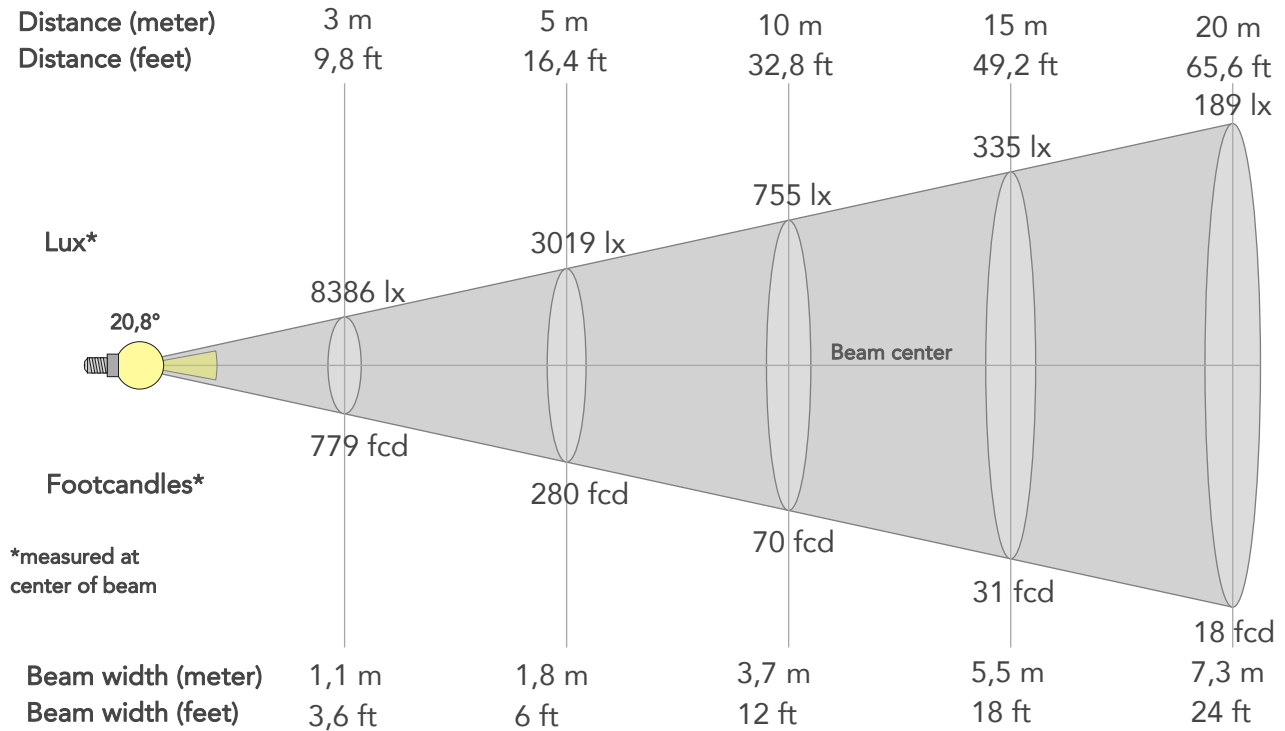
		Graphic shifts (%)	
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	95	1%	0%
2	96	0%	-2%
3	93	-1%	-4%
4	91	-3%	-4%
5	87	-8%	-3%
6	94	-4%	0%
7	95	-3%	1%
8	92	-3%	3%
9	92	-1%	7%
10	91	1%	6%
11	92	2%	3%
12	96	1%	-2%
13	94	1%	-3%
14	94	-1%	-3%
15	87	7%	-8%
16	96	0%	0%



# BEAM DETAILS



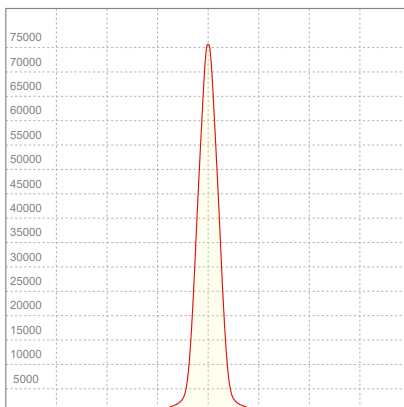
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,8°	36,2°	54,7°	94,3%	89,3%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	75478lx	18869lx	8386lx	4717lx	3019lx	1342lx	755lx	335lx	189lx	121lx	84lx	47lx	30lx
Footcand.	7012fcd	1753fcd	779fcd	438fcd	280fcd	125fcd	70fcd	31fcd	18fcd	11fcd	8fcd	4fcd	3fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,8m	2,7m	3,7m	5,5m	7,3m	9,2m	11m	14,6m	18,3m
Beam wid.	1,2ft	2,4ft	3,6ft	4,8ft	6ft	9ft	12ft	18ft	24ft	30ft	36ft	48,1ft	60,1ft

## LINEAR DISTRIBUTION DIAGRAM

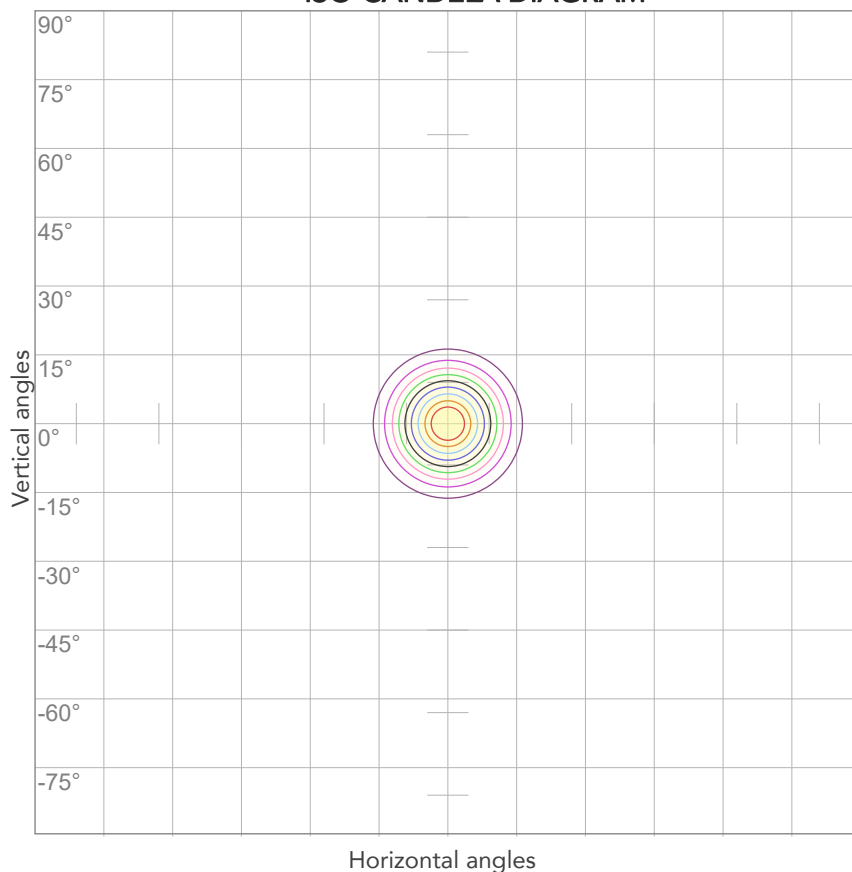


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	1,01A	215,6W	0,95	63lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



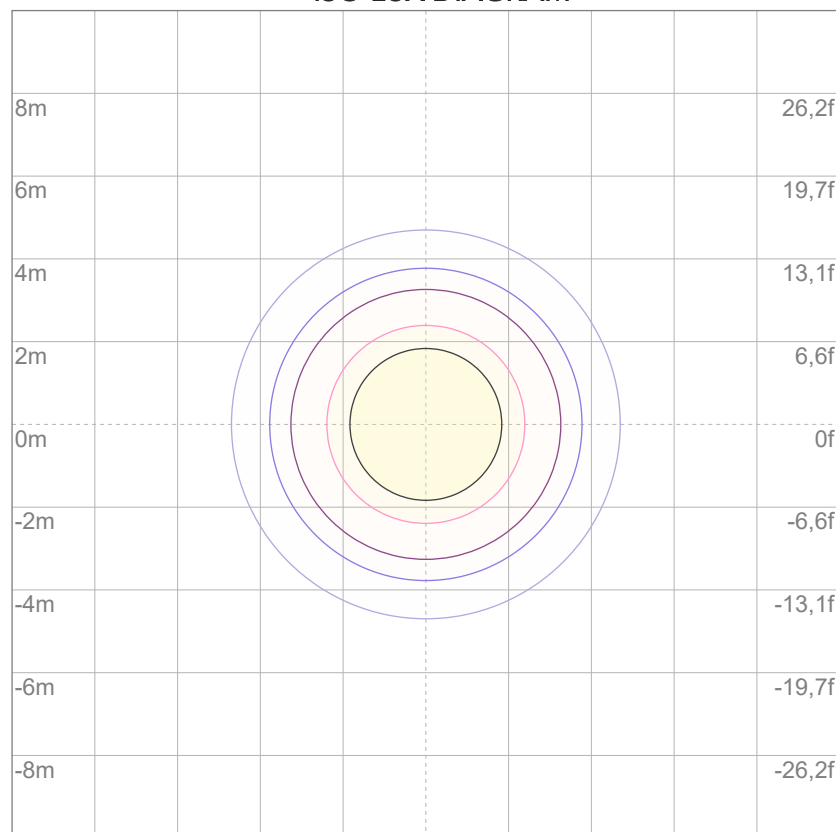
10%	7548 cd
20%	15096 cd
30%	22643 cd
40%	30191 cd
50%	37739 cd
60%	45287 cd
70%	52834 cd
80%	60382 cd

### Conditions:

Number of c-planes: 2

Candela at center: 75478 cd

## ISO LUX DIAGRAM



3%	22,6 lx
5%	37,7 lx
10%	75,5 lx
30%	226 lx
50%	377 lx

### Conditions:

Number of c-planes: 2

Lux at center: 755 lx

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