

# Photometric Test Report



## ArcSpot MFC

IP66 Spot featuring 3900 lumen  
with 19 x 4W RGB+WarmWhite source,  
10° native

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<b>Color preset Red</b>	
Beam angle 10°	36
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Beam angle 10°+40° Filter	42
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Beam angle 10°+40° Filter	60
Beam angle 10°+60° Filter	63
Beam angle 10°+10°x60° Filter	66
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Beam angle 10°	72
Beam angle 10°+20° Filter	75
Beam angle 10°+40° Filter	78
Beam angle 10°+60° Filter	81
Beam angle 10°+10°x60° Filter	84
Beam angle 10°+30°x60° Filter	87

**Color preset White**

Beam angle 10°	90
Beam angle 10°+20° Filter	95
Beam angle 10°+40° Filter	100
Beam angle 10°+60° Filter	105
Beam angle 10°+10°x60° Filter	110
Beam angle 10°+30°x60° Filter	115

**Color preset 2800K**

Beam angle 10°	120
Beam angle 10°+20° Filter	125
Beam angle 10°+40° Filter	130
Beam angle 10°+60° Filter	135
Beam angle 10°+10°x60° Filter	140
Beam angle 10°+30°x60° Filter	145

**Color preset 3200K**

Beam angle 10°	150
Beam angle 10°+20° Filter	155
Beam angle 10°+40° Filter	160
Beam angle 10°+60° Filter	165
Beam angle 10°+10°x60° Filter	170
Beam angle 10°+30°x60° Filter	175

**Color preset 4000K**

Beam angle 10°	180
Beam angle 10°+20° Filter	185
Beam angle 10°+40° Filter	190
Beam angle 10°+60° Filter	195
Beam angle 10°+10°x60° Filter	200
Beam angle 10°+30°x60° Filter	205

**Color preset 5600K**

Beam angle 10°	210
Beam angle 10°+20° Filter	215
Beam angle 10°+40° Filter	220
Beam angle 10°+60° Filter	225
Beam angle 10°+10°x60° Filter	230
Beam angle 10°+30°x60° Filter	235

**Color preset 6500K**

Beam angle 10°	240
Beam angle 10°+20° Filter	245
Beam angle 10°+40° Filter	250
Beam angle 10°+60° Filter	255
Beam angle 10°+10°x60° Filter	260
Beam angle 10°+30°x60° Filter	265

## 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:

3911 lm

Peak candela output:

67691 cd

Light quality:

CRI: 43,7

Color temperature:

19544 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10°

Target:

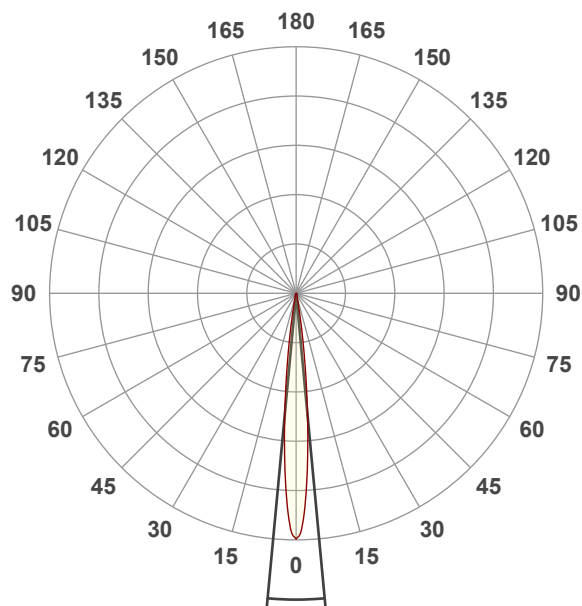
Full On

Operator:

Salvatore Giglio

Date and time:

08/02/2024 16:50:04

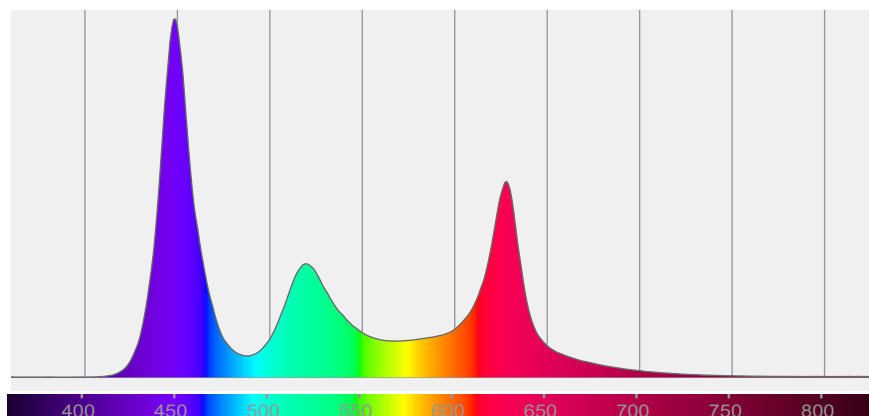


Beam angle 50%: 10,7°

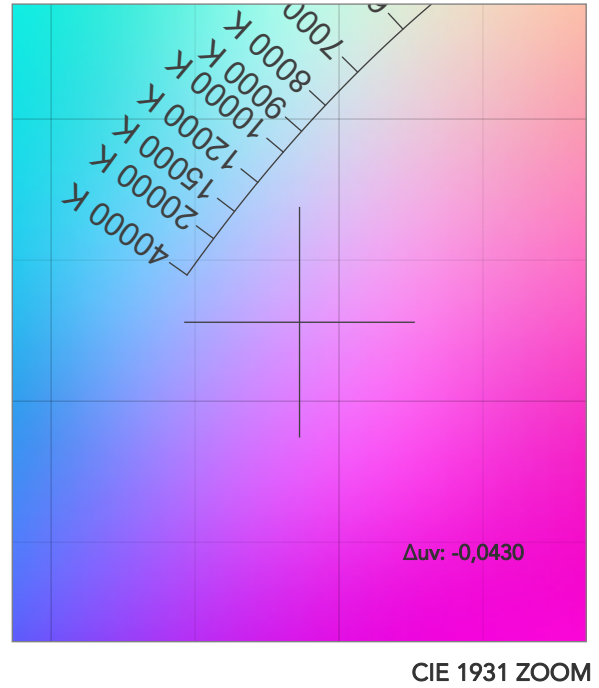
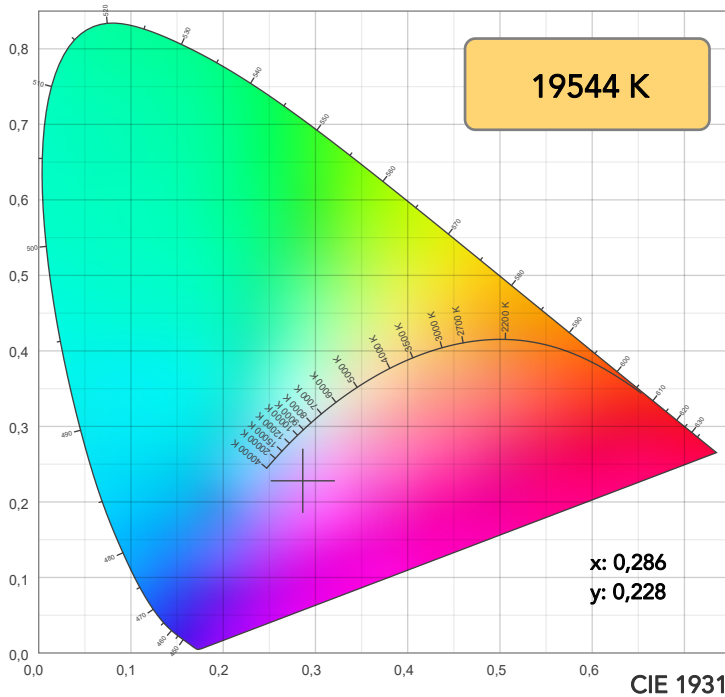
Field angle 10%: 19,3°

Cut off angle 2.5%: 26,1°

**Spectra**

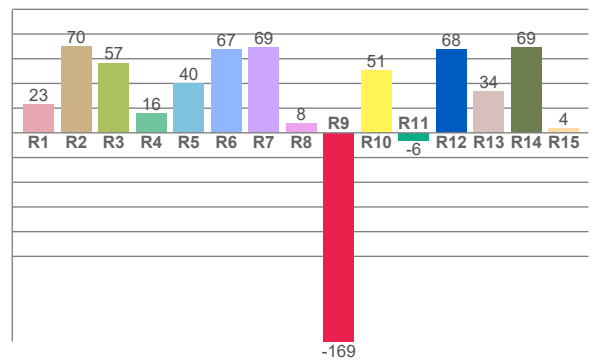
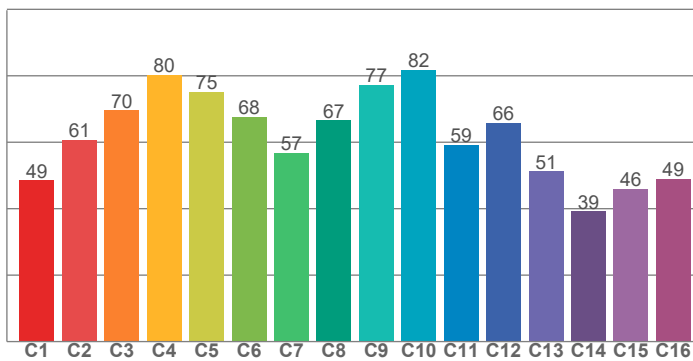


# COLOR DETAILS



TM30: 65,0

CRI: 43,7 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
23,0	70,2	56,6	15,9	39,7	67,4	68,9	7,8	-169,0	50,7	-6,1	67,6	33,6	69,3	3,7

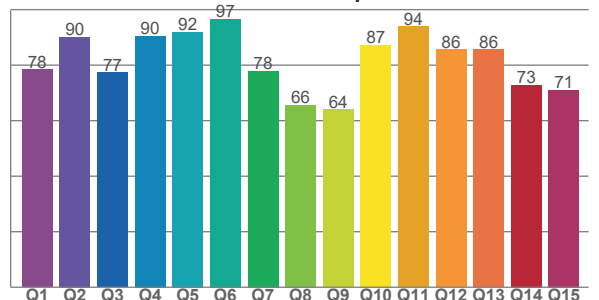
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
48,5	60,8	69,6	80,3	75,1	67,6	56,8	66,6	77,3	81,9	59,1	65,9	51,3	39,2	46,0	48,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78,4	90,2	77,3	90,5	91,9	96,7	77,8	65,6	64,0	87,3	93,9	85,7	85,6	72,8	71,1

CQS: 79,3



## COLOR PARAMETERS

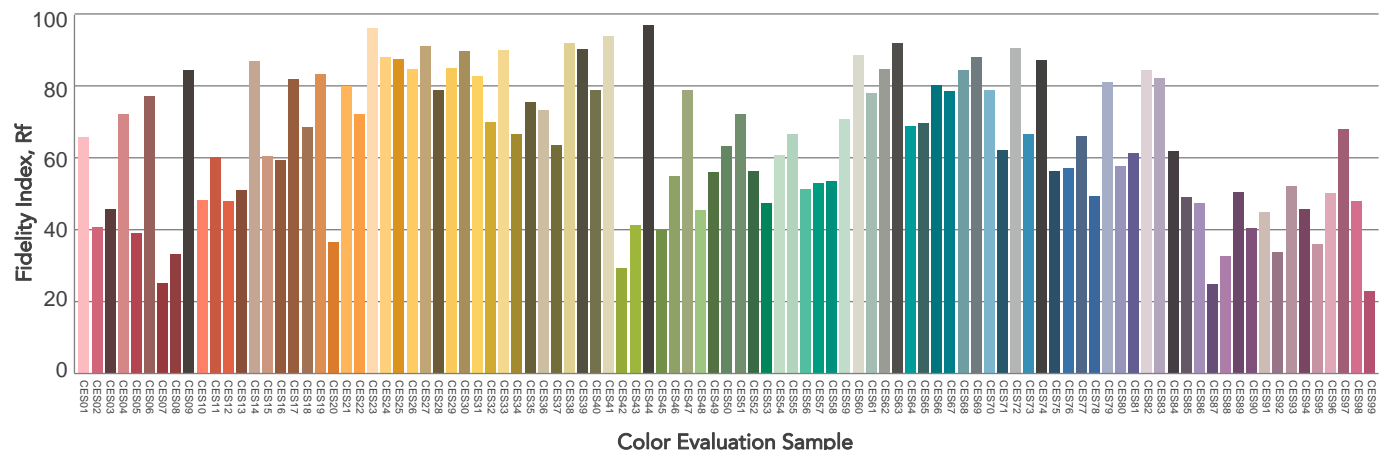
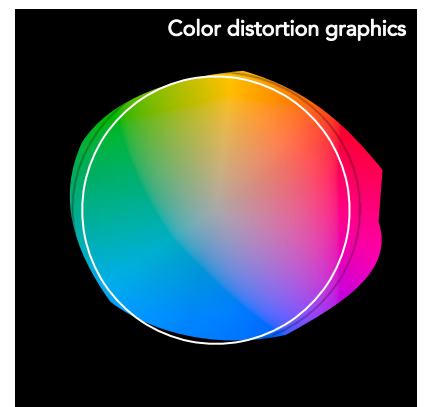
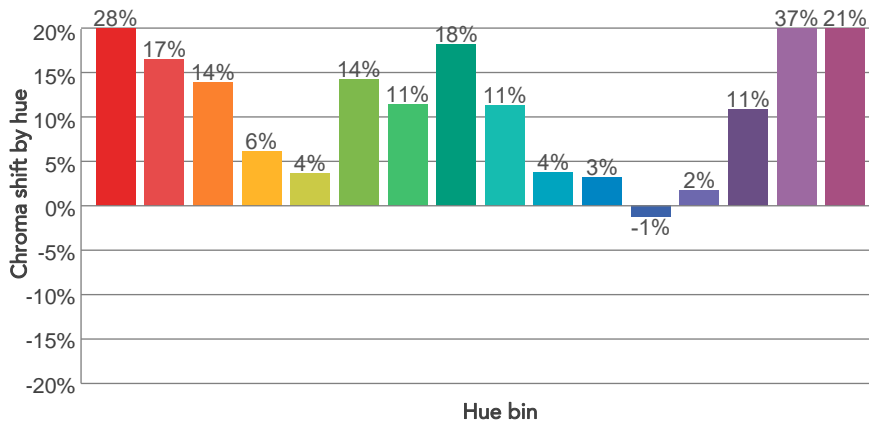
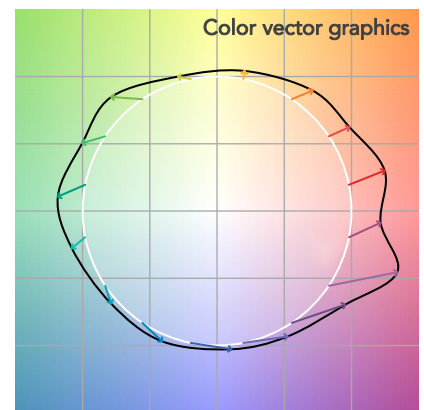
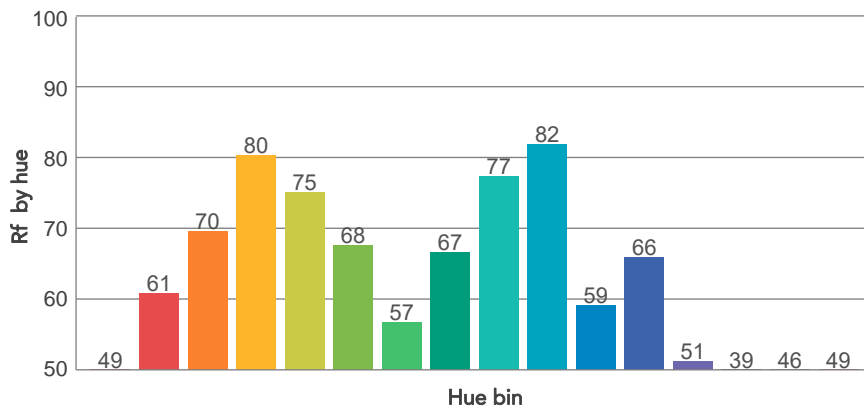
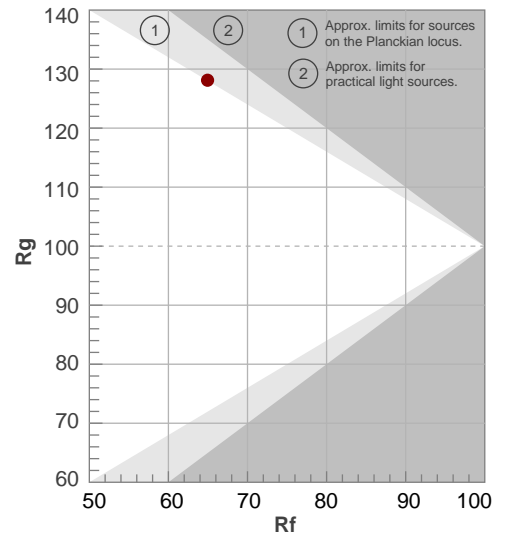
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
19544 K	43,7	-169,0	65,0	128,1	79,3	70	0,286	0,228	-0,0430

# TM30 DETAILS

**Rf 65,0**  
Fidelity index Rf

**Rg 128,1**  
Gammut index

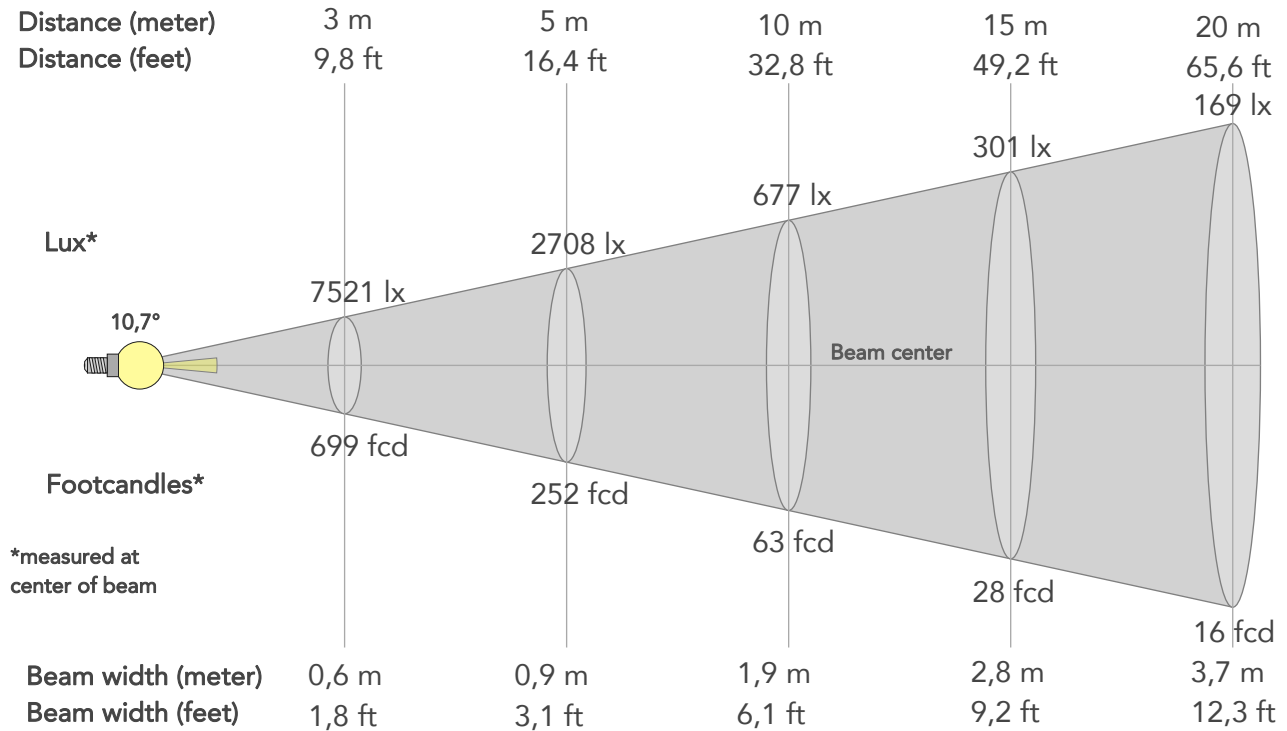
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	49	28%	5%
2	61	17%	-3%
3	70	14%	-9%
4	80	6%	0%
5	75	4%	9%
6	68	14%	18%
7	57	11%	14%
8	67	18%	13%
9	77	11%	6%
10	82	4%	13%
11	59	3%	20%
12	66	-1%	30%
13	51	2%	33%
14	39	11%	41%
15	46	37%	37%
16	49	21%	15%





# BEAM DETAILS

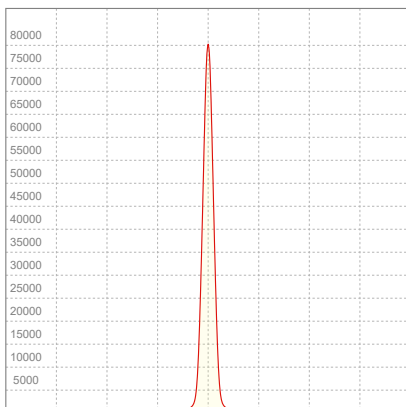
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,7°	19,3°	26,1°	89,3%	84,8%



## 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	67691lx	16923lx	7521lx	4231lx	2708lx	1203lx	677lx	301lx	169lx	108lx	75lx	42lx	27lx
Footcand.	6289fcd	1572fcd	699fcd	393fcd	252fcd	112fcd	63fcd	28fcd	16fcd	10fcd	7fcd	4fcd	3fcd
Beam wid.	0,2m	0,4m	0,6m	0,7m	0,9m	1,4m	1,9m	2,8m	3,7m	4,7m	5,6m	7,5m	9,4m
Beam wid.	0,6ft	1,2ft	1,8ft	2,5ft	3,1ft	4,6ft	6,1ft	9,2ft	12,3ft	15,3ft	18,4ft	24,5ft	30,7ft

## LINEAR DISTRIBUTION DIAGRAM

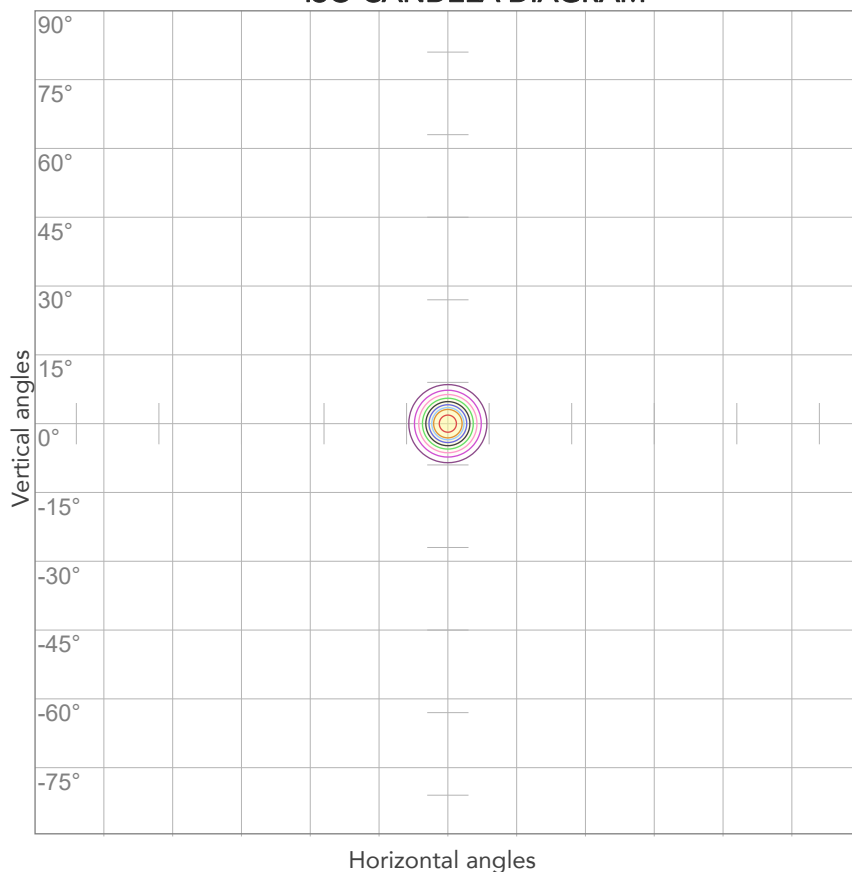


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,381A	79,5W	0,92	49lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



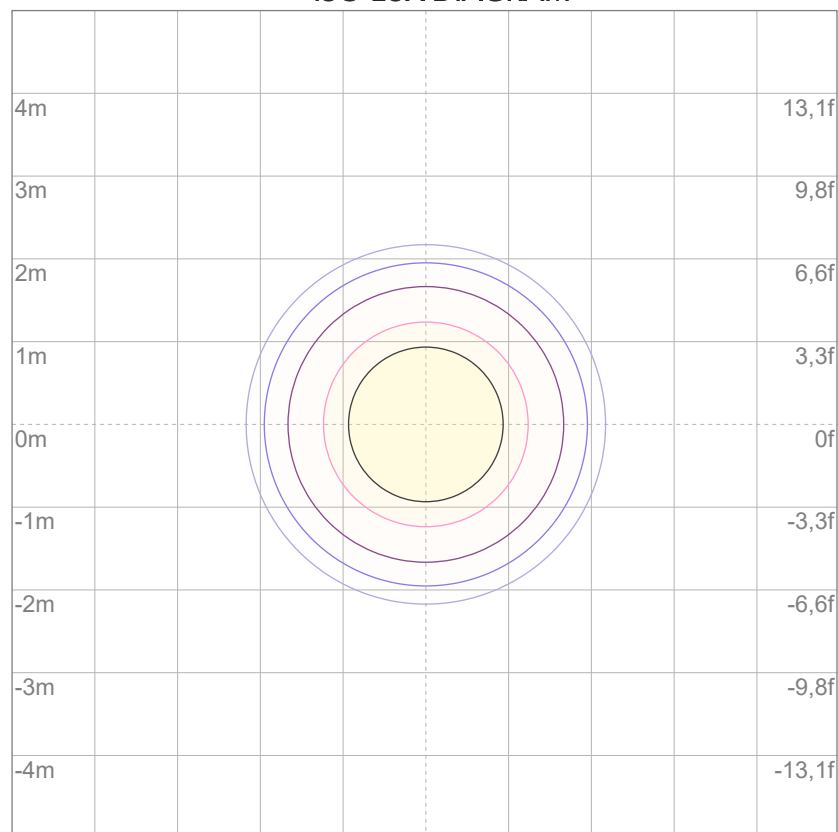
10%	6769 cd
20%	13538 cd
30%	20307 cd
40%	27076 cd
50%	33845 cd
60%	40614 cd
70%	47383 cd
80%	54152 cd

### Conditions:

Number of c-planes: 2

Candela at center: 67691 cd

## ISO LUX DIAGRAM



3%	20,3 lx
5%	33,8 lx
10%	67,7 lx
30%	203 lx
50%	338 lx

### Conditions:

Number of c-planes: 2

Lux at center: 677 lx

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



Total lumen output:

3075 lm

Peak candela output:

12591 cd

Light quality:

CRI: 43,6

Color temperature:

19845 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 20° Filter

Target:

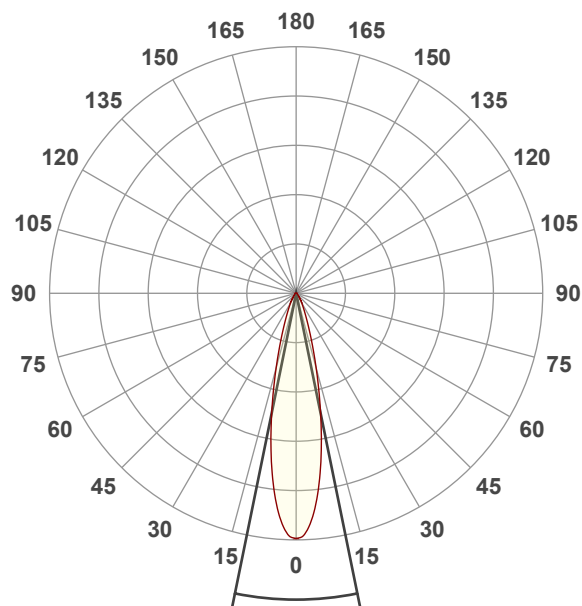
Full On

Operator:

Salvatore Giglio

Date and time:

08/02/2024 17:42:06

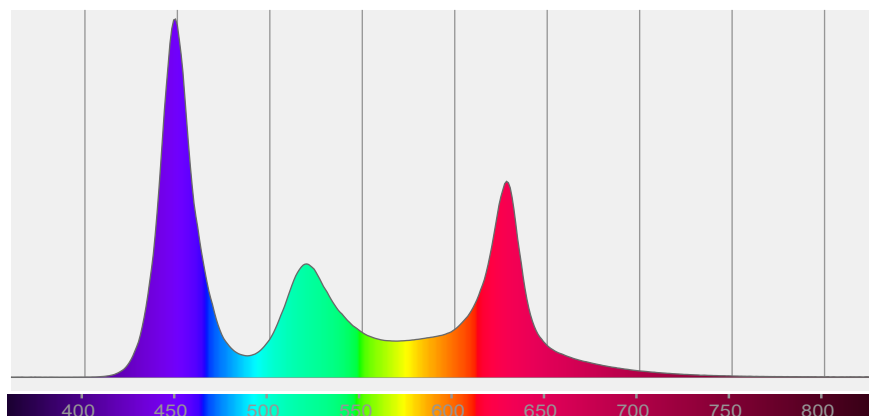


Beam angle 50%: 23,1°

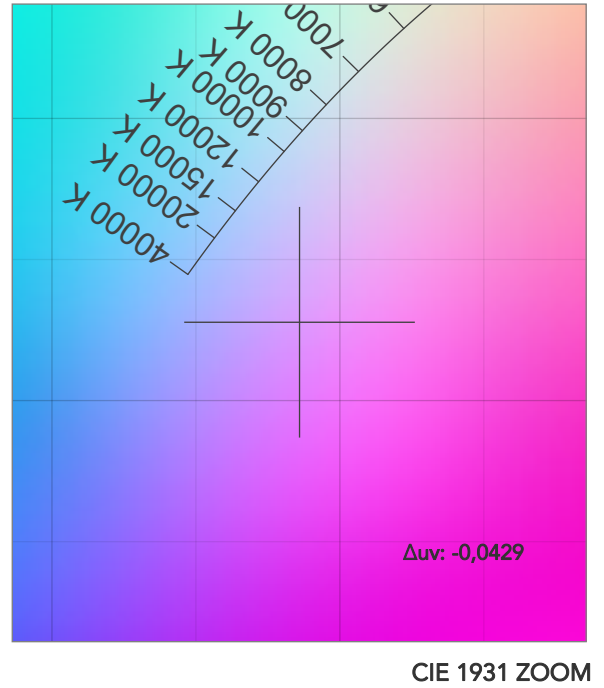
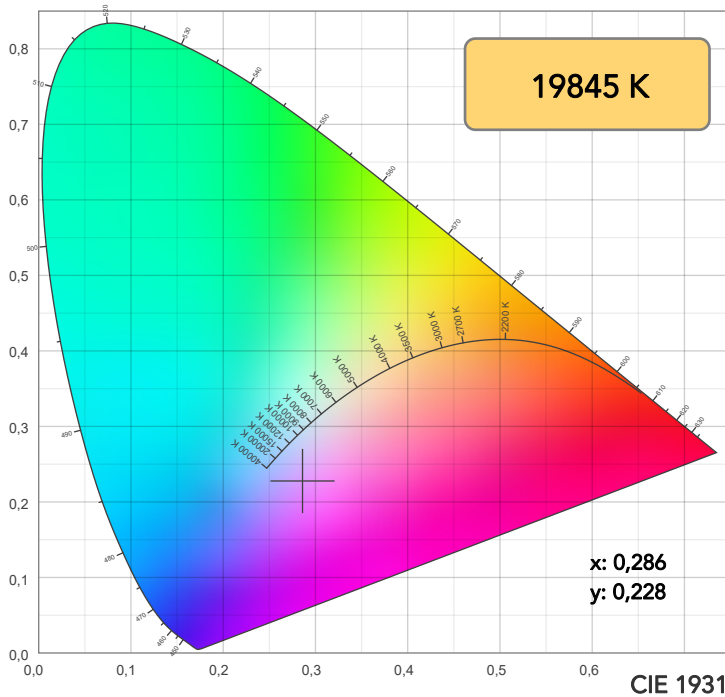
Field angle 10%: 46,2°

Cut off angle 2.5%: 72,1°

**Spectra**

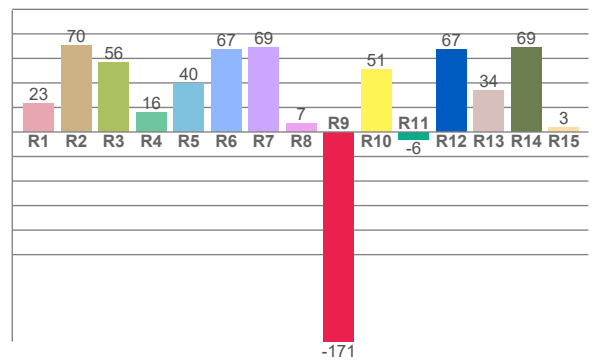
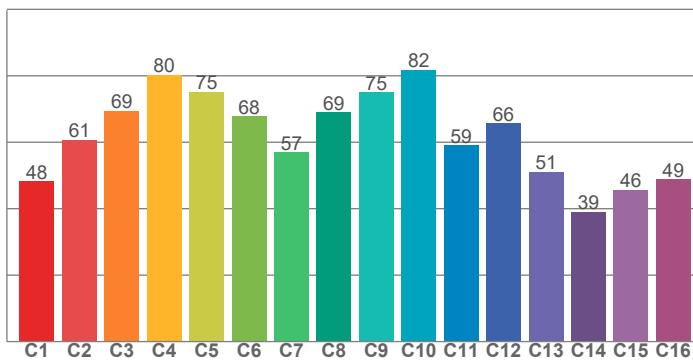


# COLOR DETAILS



TM30: 64,9

CRI: 43,6 (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
23,0	70,2	56,4	16,1	39,8	67,5	68,8	7,3	-170,9	50,8	-5,8	67,4	33,6	69,2	3,5

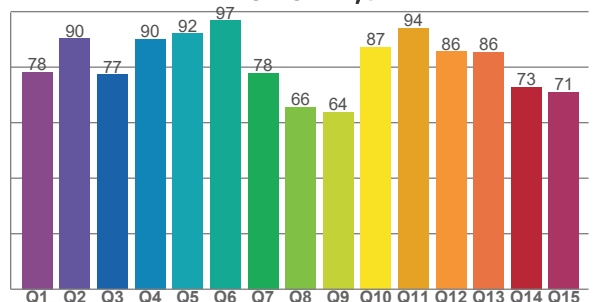
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
48,2	60,7	69,4	80,3	75,1	67,7	56,9	69,0	75,0	81,7	59,1	65,7	51,1	39,1	45,7	48,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78,2	90,2	77,3	90,2	92,1	96,7	77,9	65,6	63,9	87,3	94,0	85,6	85,5	72,9	70,9

CQS: 79,3



## COLOR PARAMETERS

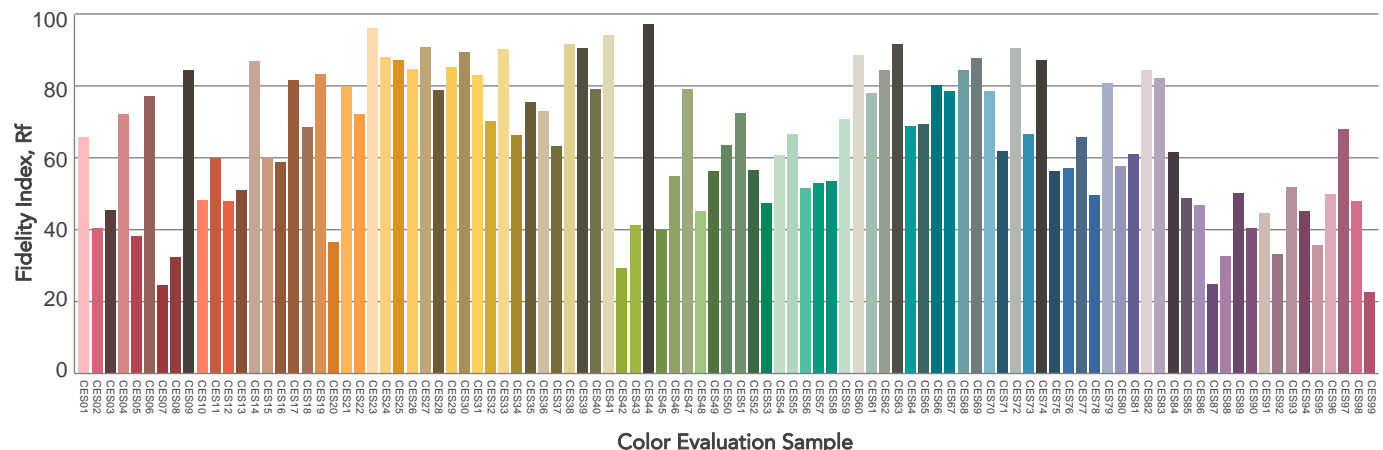
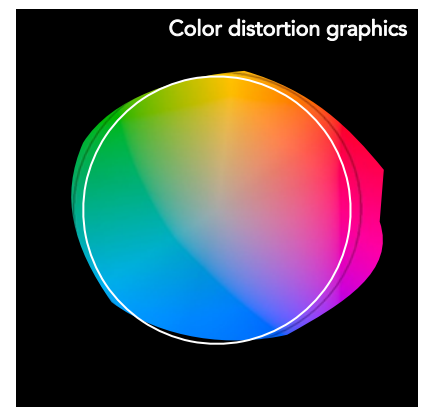
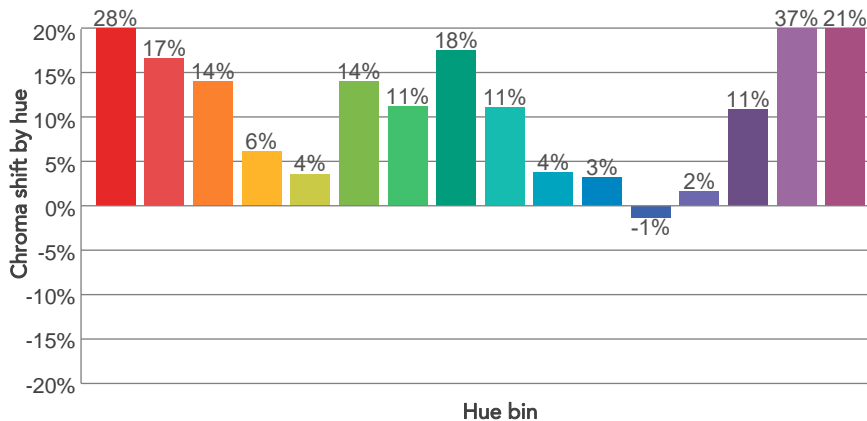
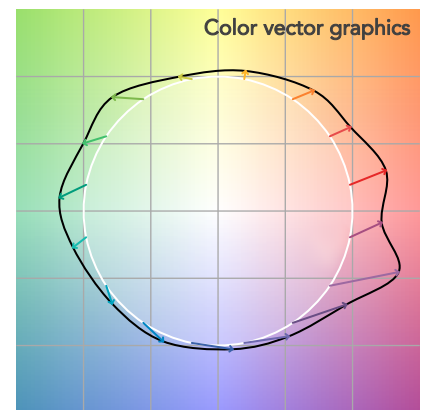
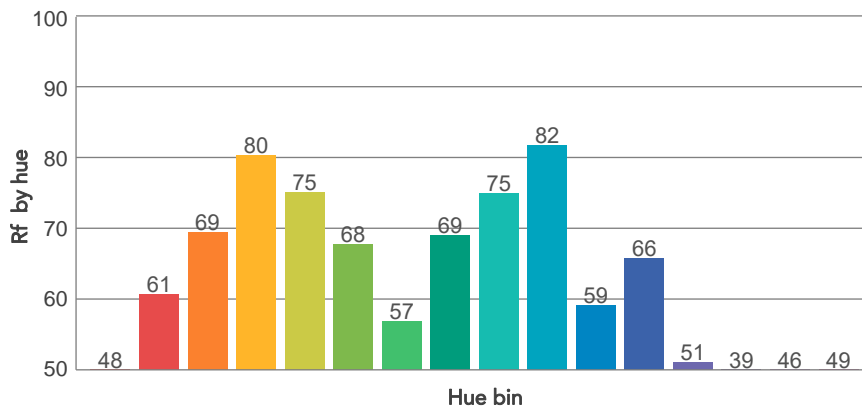
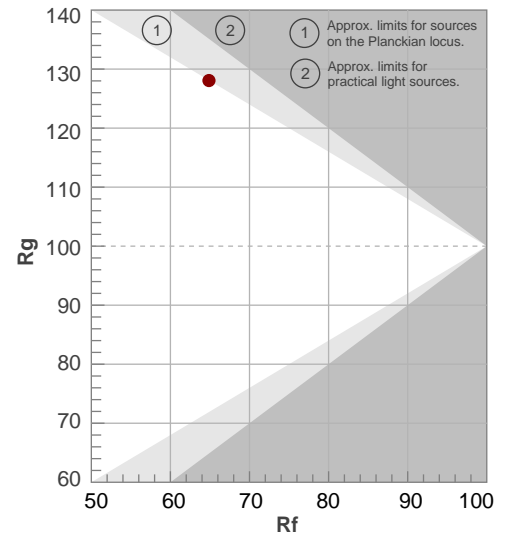
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
19845 K	43,6	-170,9	64,9	128,1	79,3	70	0,286	0,228	-0,0429

# TM30 DETAILS

**Rf 64,9**  
Fidelity index Rf

**Rg 128,1**  
Gammut index

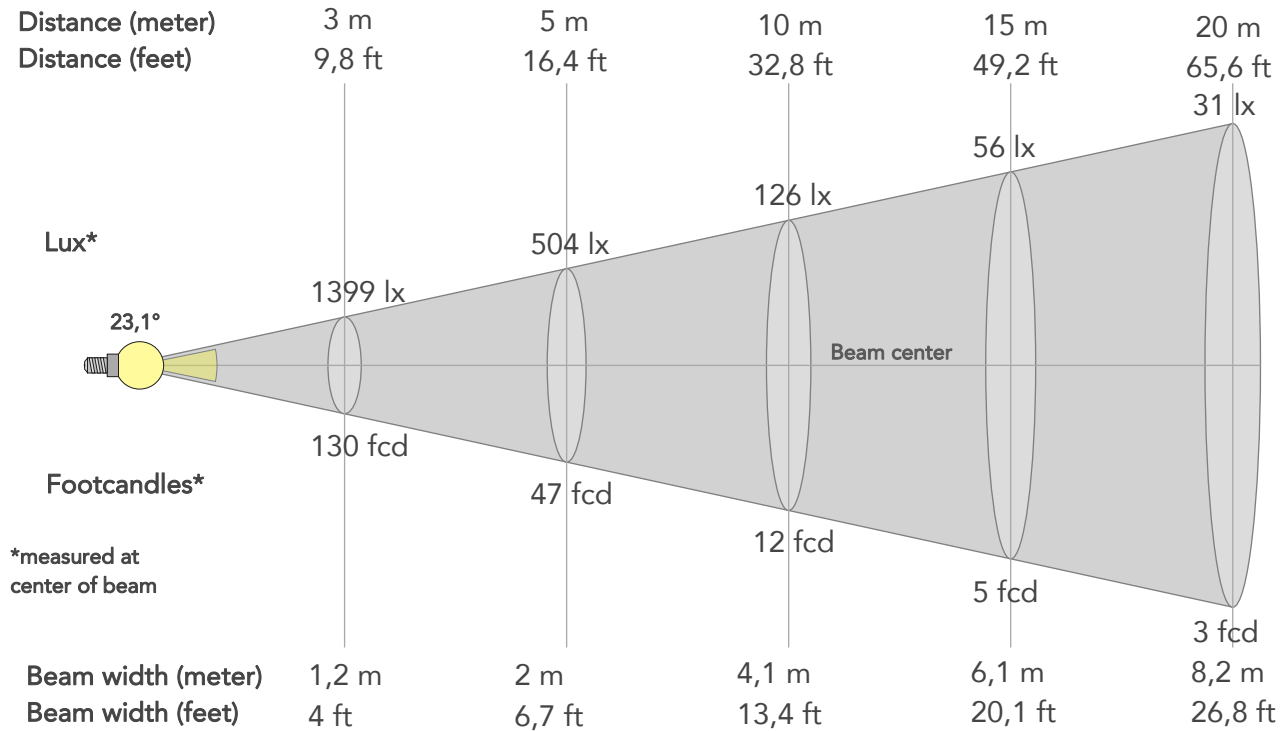
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	48	28%	5%
2	61	17%	-3%
3	69	14%	-9%
4	80	6%	0%
5	75	4%	9%
6	68	14%	18%
7	57	11%	14%
8	69	18%	13%
9	75	11%	6%
10	82	4%	13%
11	59	3%	20%
12	66	-1%	31%
13	51	2%	33%
14	39	11%	41%
15	46	37%	37%
16	49	21%	15%



# BEAM DETAILS



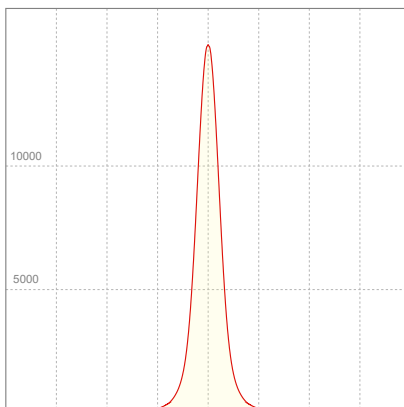
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,1°	46,2°	72,1°	96,4%	91,8%



## 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	12591lx	3148lx	1399lx	787lx	504lx	224lx	126lx	56lx	31lx	20lx	14lx	8lx	5lx
Footcand.	1170fcd	292fcd	130fcd	73fcd	47fcd	21fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3,1m	4,1m	6,1m	8,2m	10,2m	12,2m	16,3m	20,4m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,7ft	10ft	13,4ft	20,1ft	26,8ft	33,4ft	40,1ft	53,5ft	66,9ft

## LINEAR DISTRIBUTION DIAGRAM

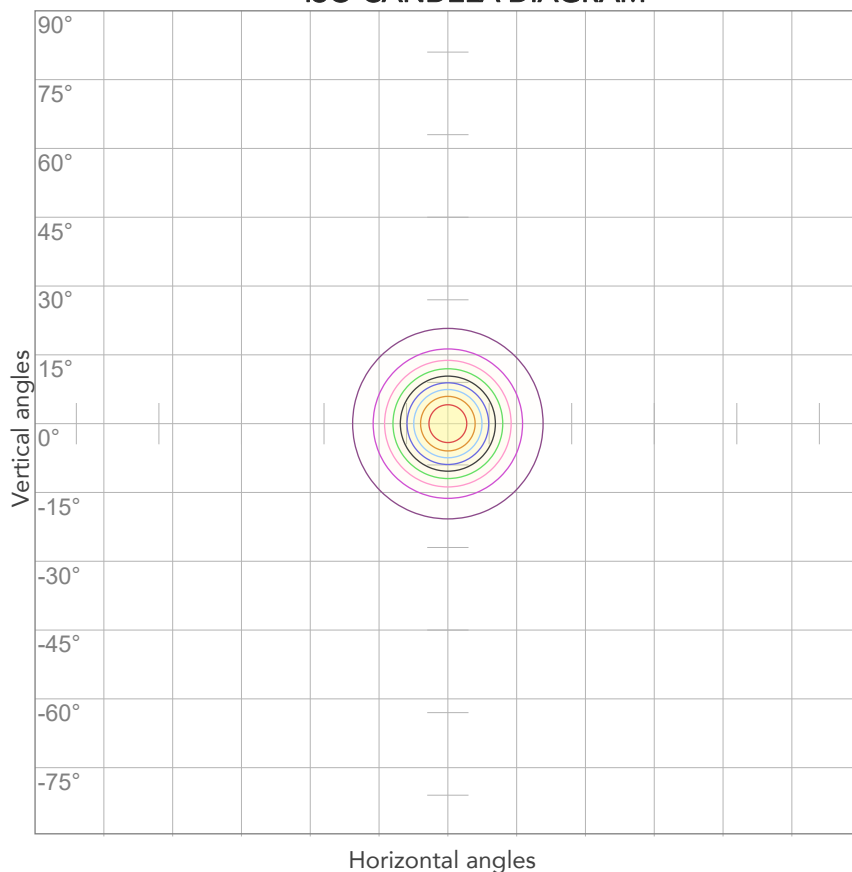


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,384A	79,2W	0,92	39lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



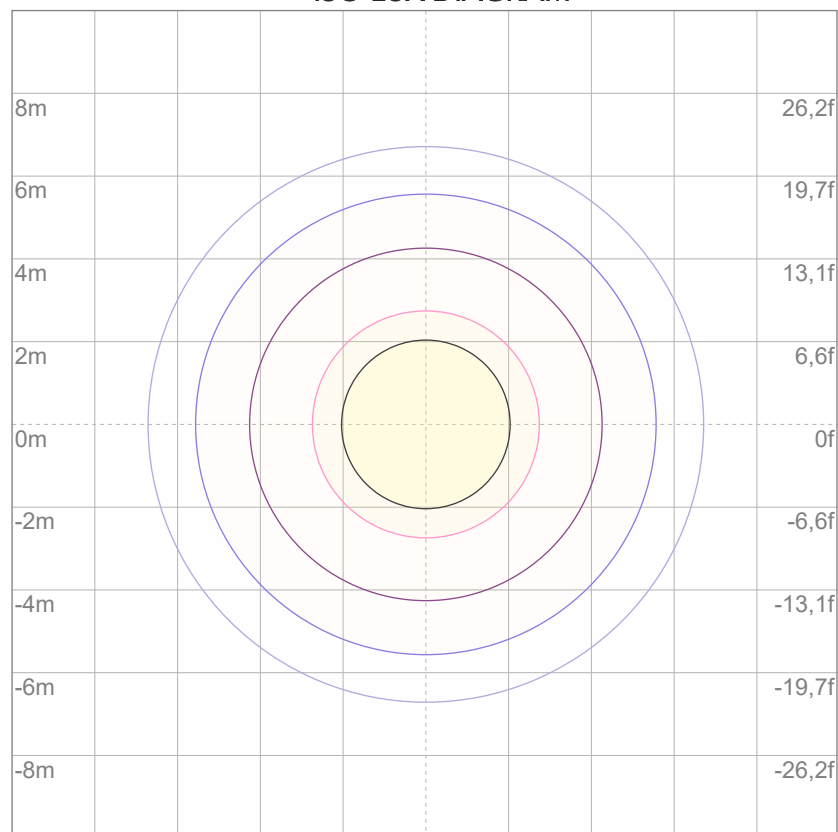
10%	1259 cd
20%	2518 cd
30%	3777 cd
40%	5036 cd
50%	6295 cd
60%	7555 cd
70%	8814 cd
80%	10073 cd

### Conditions:

Number of c-planes: 2

Candela at center: 12591 cd

## ISO LUX DIAGRAM



3%	3,78 lx
5%	6,30 lx
10%	12,6 lx
30%	37,8 lx
50%	63,0 lx

### Conditions:

Number of c-planes: 2

Lux at center: 126 lx

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



Total lumen output:

3059 lm

Peak candela output:

4071 cd

Light quality:

CRI: 43,1

Color temperature:

19331 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 40° Filter

Target:

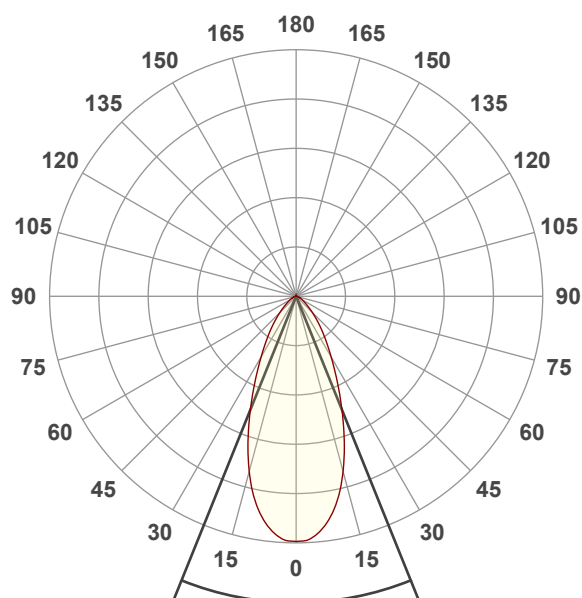
Full On

Operator:

Salvatore Giglio

Date and time:

09/02/2024 09:08:25

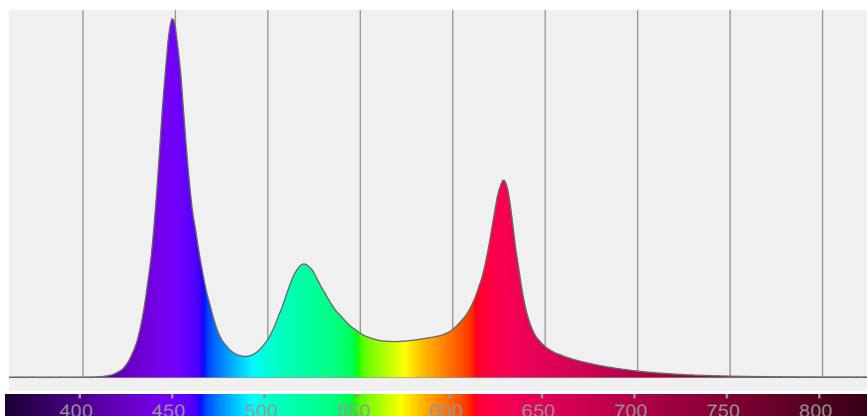


Beam angle 50%: 43,9°

Field angle 10%: 88,5°

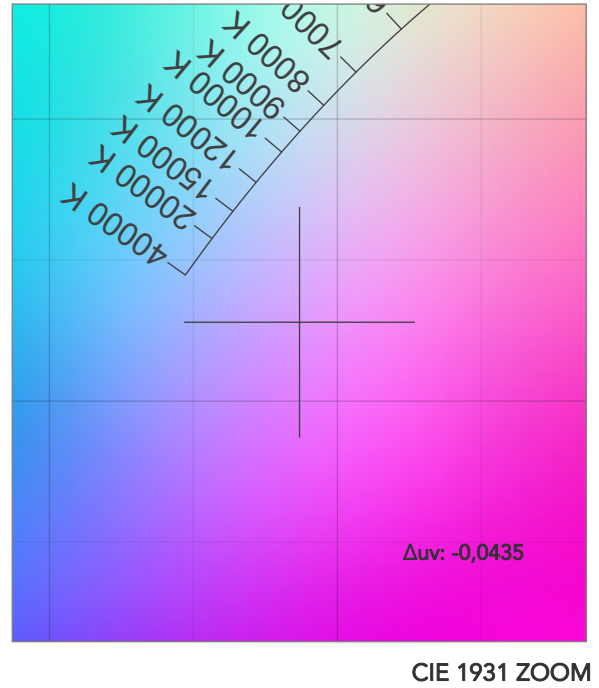
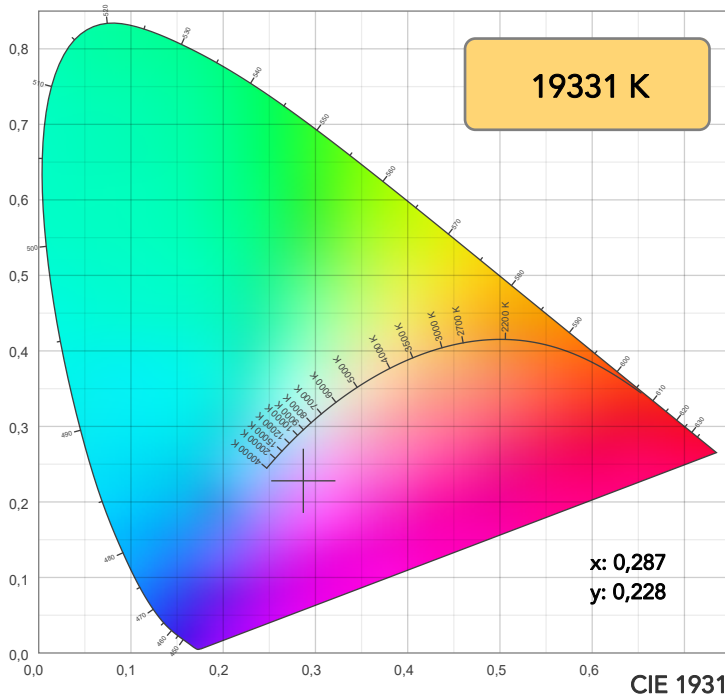
Cut off angle 2.5%: 123,5°

**Spectra**



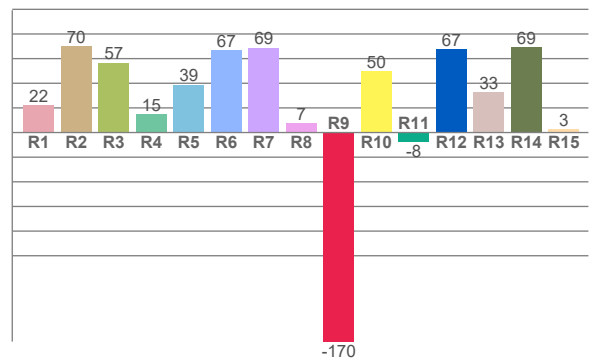
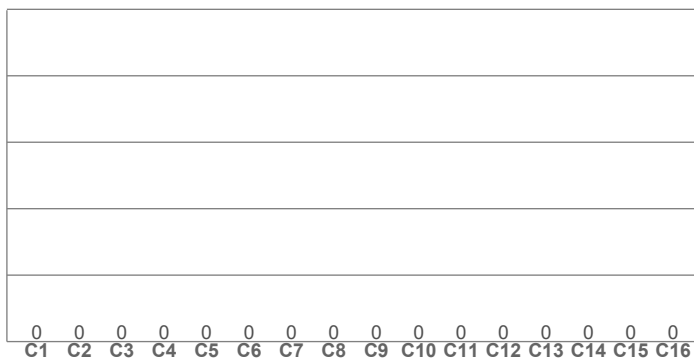


# COLOR DETAILS



TM30: 0,0

CRI: 43,1 (R1-R8)



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

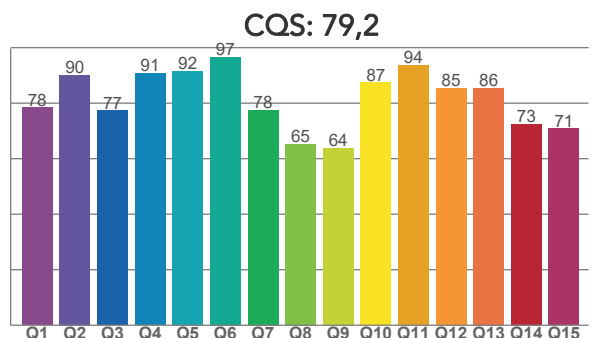
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
22,1	69,9	56,5	14,8	38,9	66,8	68,7	7,4	-169,7	49,9	-7,6	67,4	32,8	69,2	2,9

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
0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78,5	90,1	77,3	90,8	91,7	96,7	77,5	65,2	63,8	87,4	93,7	85,5	85,5	72,5	70,9



## COLOR PARAMETERS

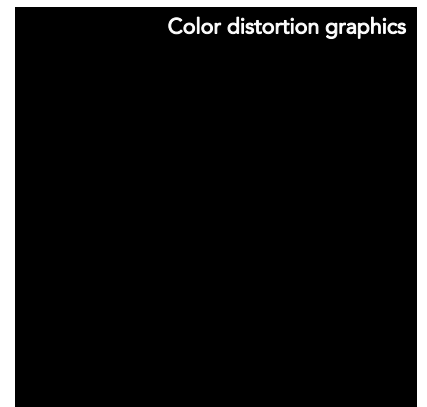
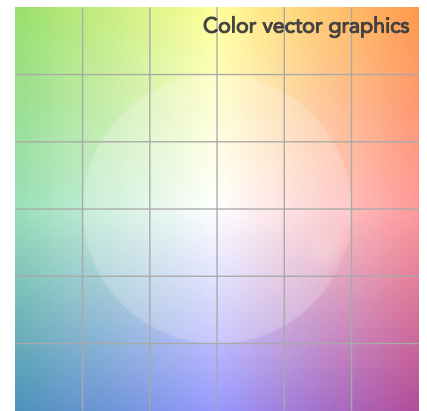
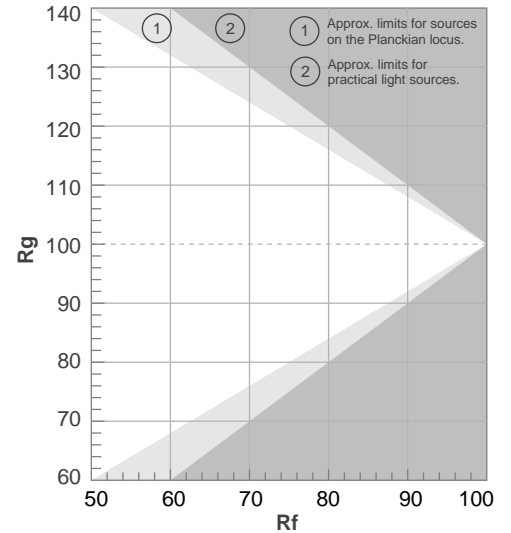
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
19331 K	43,1	-169,7	0,0	n/a	79,2	70	0,287	0,228	-0,0435

# TM30 DETAILS

**Rf 0,0**  
Fidelity index Rf

**Rg n/a**  
Gammut index

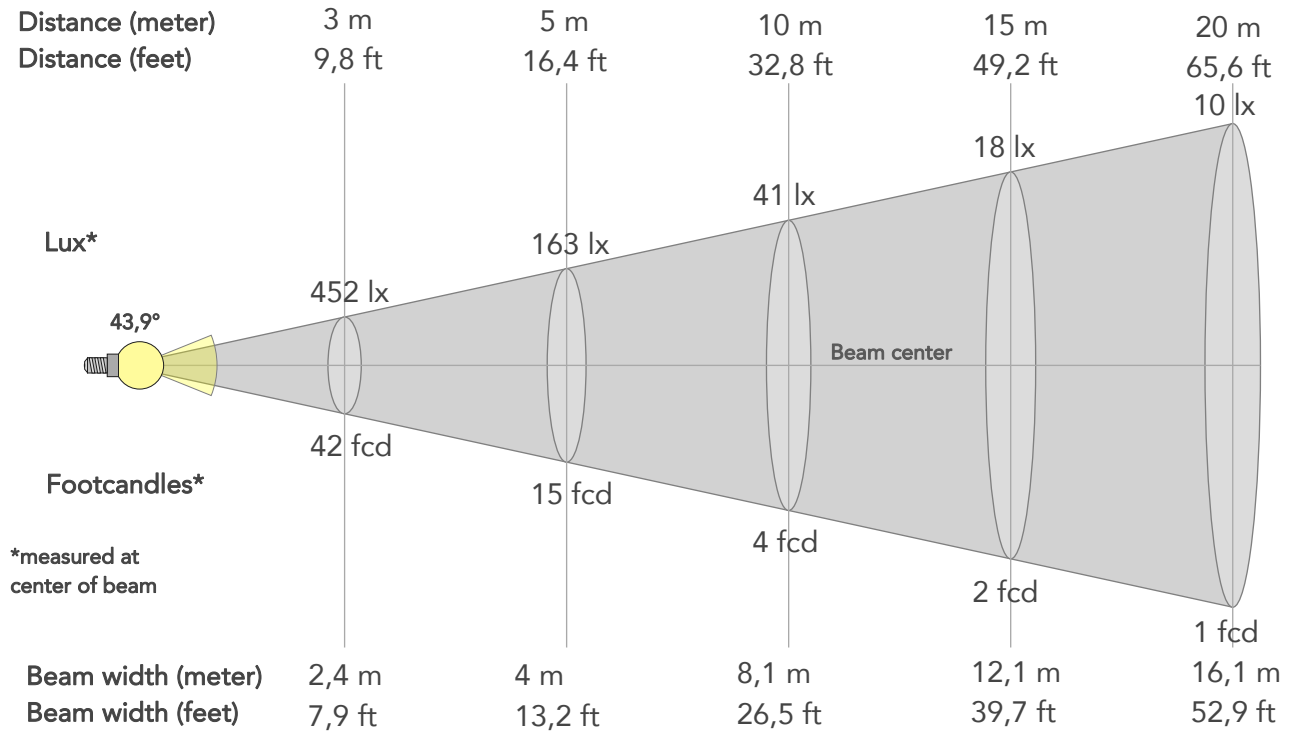
		Graphic shifts (%)	
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



Color Evaluation Sample

# BEAM DETAILS

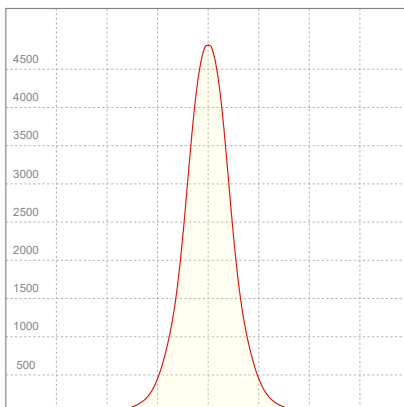
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
<b>43,9°</b>	<b>88,5°</b>	<b>123,5°</b>	<b>95,7%</b>	<b>86,6%</b>



## 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	4071lx	1018lx	452lx	254lx	163lx	72lx	41lx	18lx	10lx	7lx	5lx	3lx	2lx
Footcand.	378fcd	95fcd	42fcd	24fcd	15fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,2m	4m	6,1m	8,1m	12,1m	16,1m	20,2m	24,2m	32,3m	40,3m
Beam wid.	2,7ft	5,3ft	7,9ft	10,6ft	13,2ft	19,9ft	26,5ft	39,7ft	52,9ft	66,2ft	79,4ft	105,9ft	132,3ft

## LINEAR DISTRIBUTION DIAGRAM

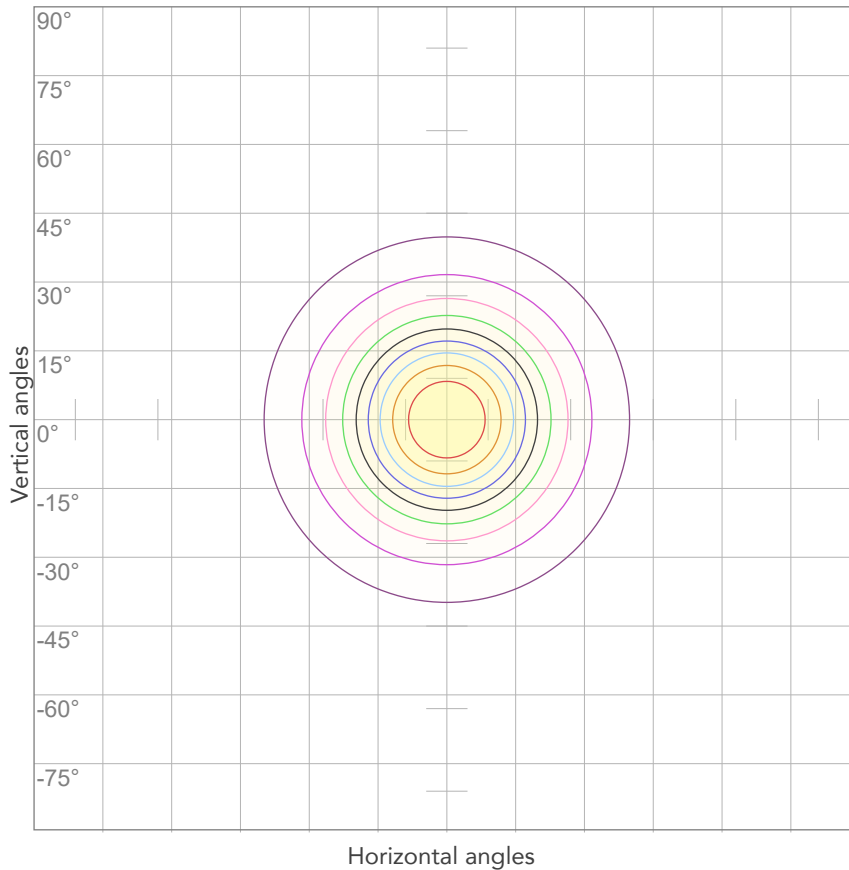


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
<b>226V</b>	<b>0,385A</b>	<b>79,8W</b>	<b>0,92</b>	<b>38lm/W</b>

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



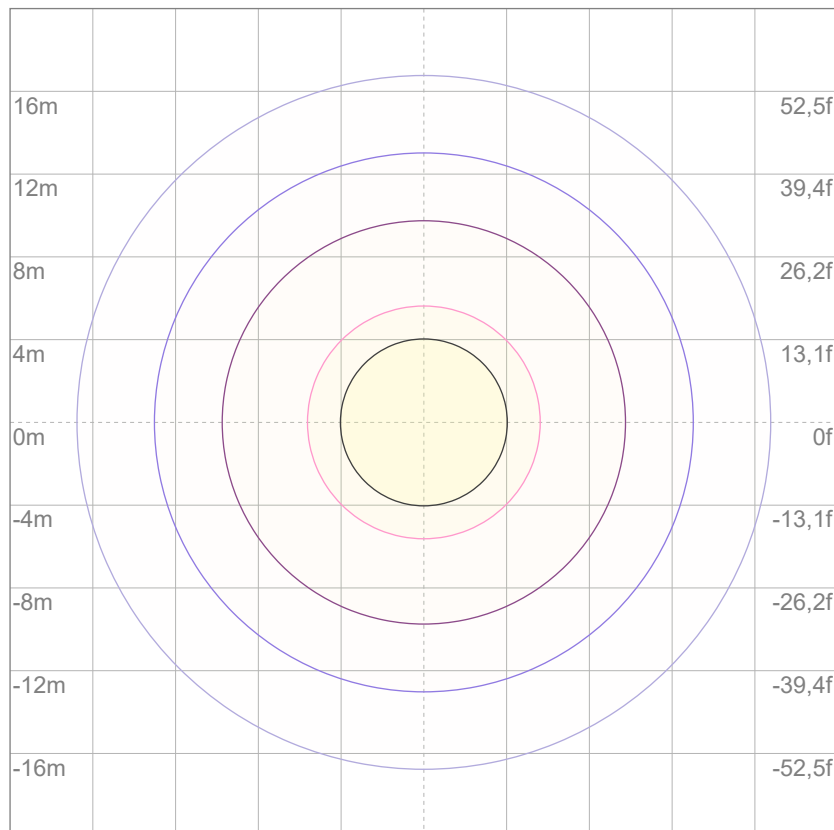
10%	407 cd
20%	814 cd
30%	1221 cd
40%	1628 cd
50%	2036 cd
60%	2443 cd
70%	2850 cd
80%	3257 cd

### Conditions:

Number of c-planes: 2

Candela at center: 4071 cd

## ISO LUX DIAGRAM



3%	1,22 lx
5%	2,04 lx
10%	4,07 lx
30%	12,2 lx
50%	20,4 lx

### Conditions:

Number of c-planes: 2

Lux at center: 40,7 lx

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



Total lumen output:

3031 lm

Peak candela output:

2686 cd

Light quality:

CRI: 44,0

Color temperature:

20793 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 60° Filter

Target:

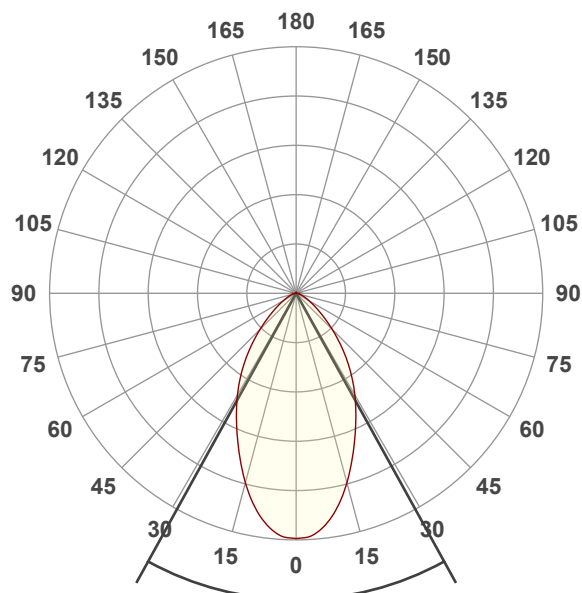
Full On

Operator:

Salvatore Giglio

Date and time:

09/02/2024 09:49:21

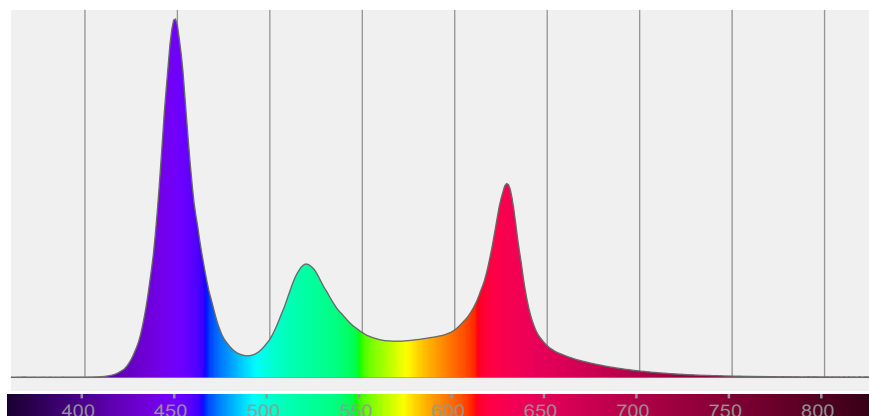


Beam angle 50%: 57,8°

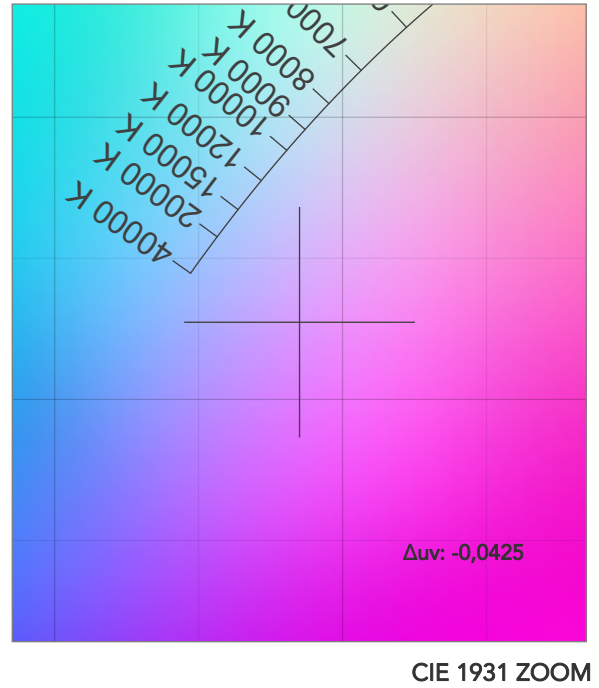
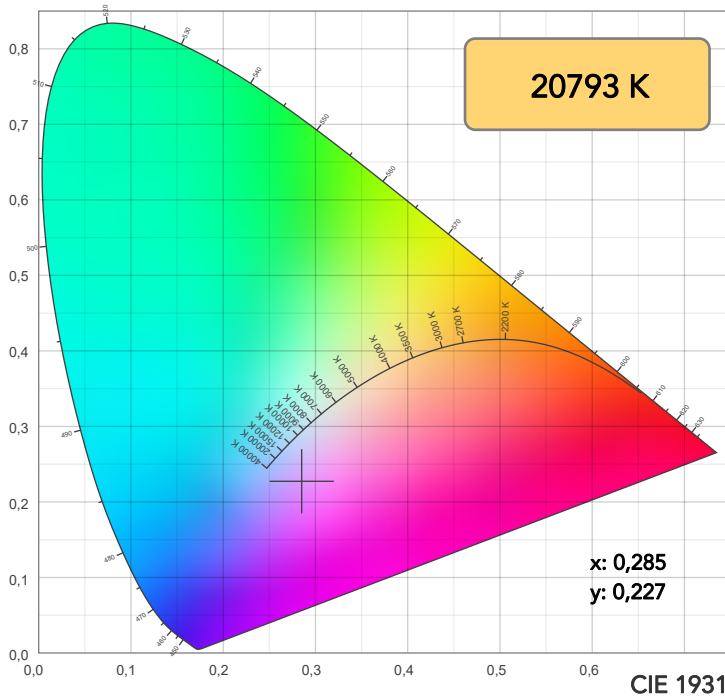
Field angle 10%: 108,2°

Cut off angle 2.5%: 140,4°

**Spectra**

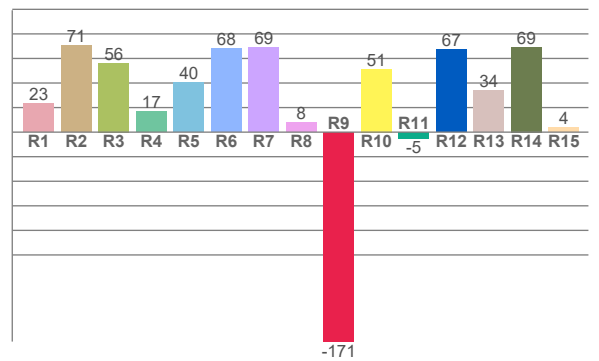
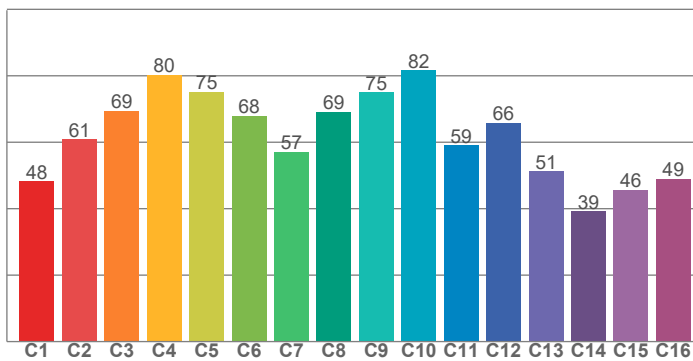


## COLOR DETAILS



TM30: 65,0

CRI: 44,0 (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
23,5	70,5	56,3	16,7	40,4	67,9	68,9	7,8	-170,6	51,5	-5,0	67,2	34,0	69,2	4,1

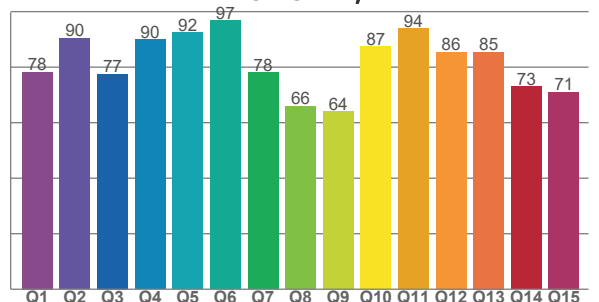
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
48,3	60,8	69,5	80,3	75,1	68,0	57,1	69,1	75,1	81,6	59,0	65,8	51,3	39,2	45,7	49,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78,3	90,4	77,5	90,0	92,4	96,8	78,0	65,9	64,1	87,4	94,0	85,5	85,5	73,0	71,0

CQS: 79,4



## COLOR PARAMETERS

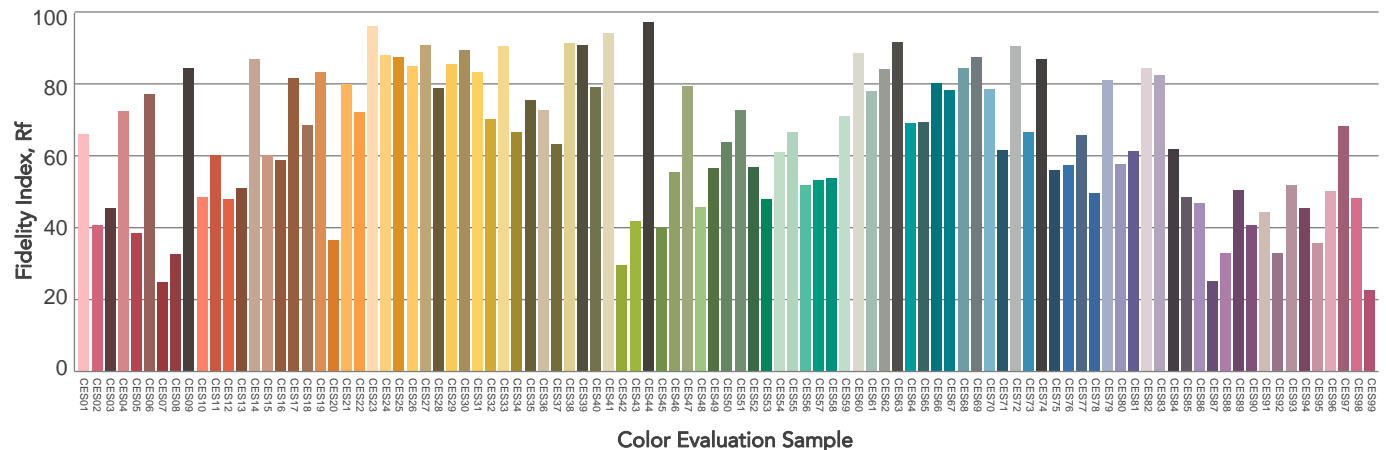
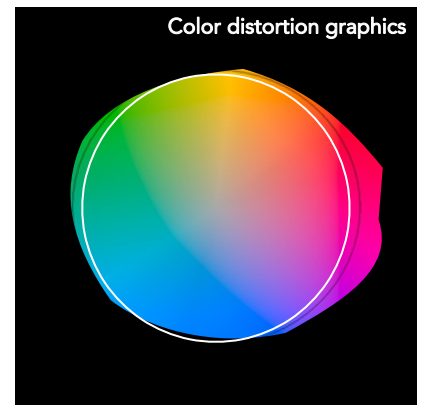
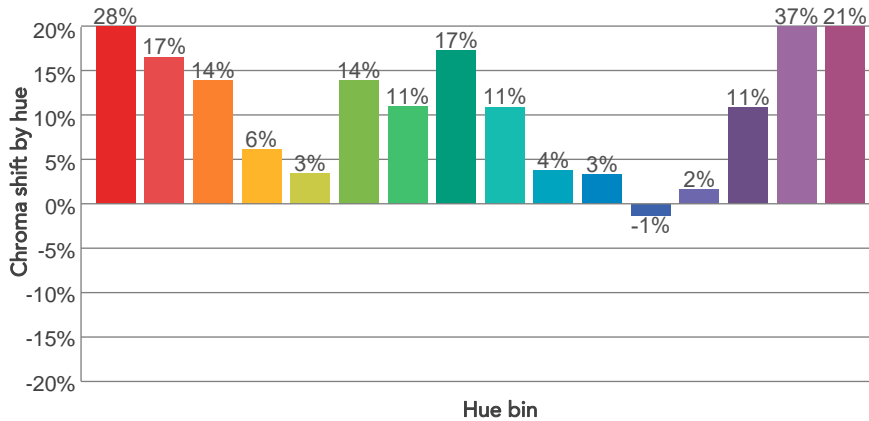
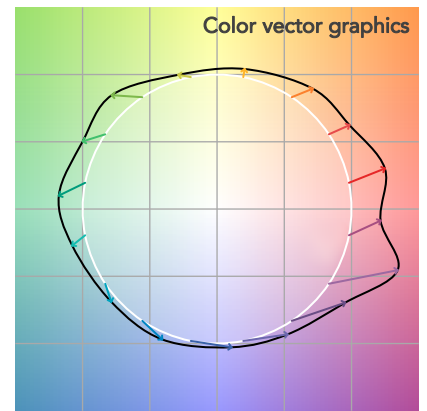
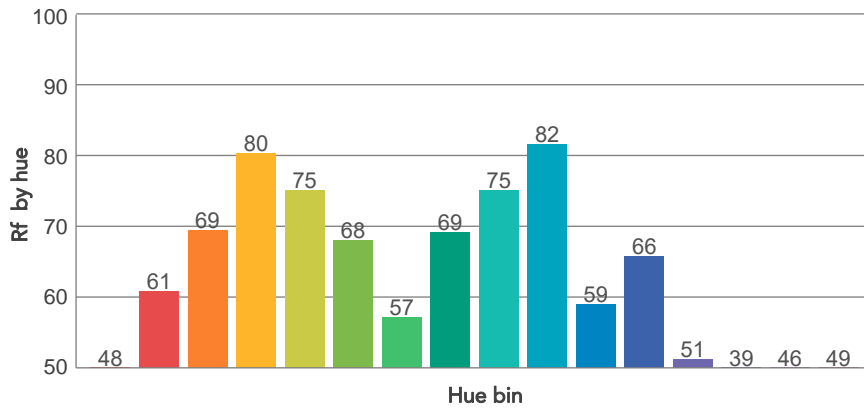
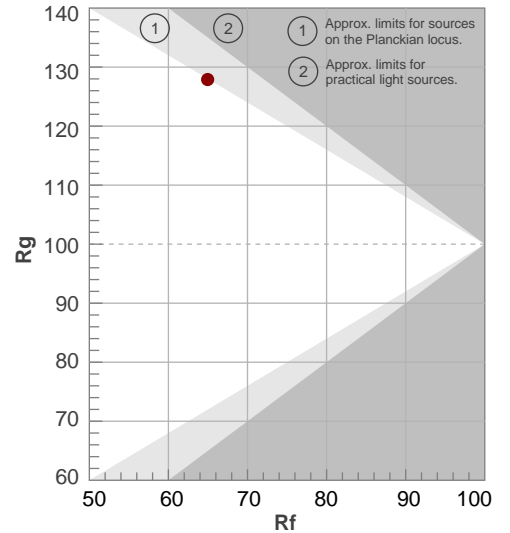
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
20793 K	44,0	-170,6	65,0	127,9	79,4	70	0,285	0,227	-0,0425

# TM30 DETAILS

**Rf 65,0**  
Fidelity index Rf

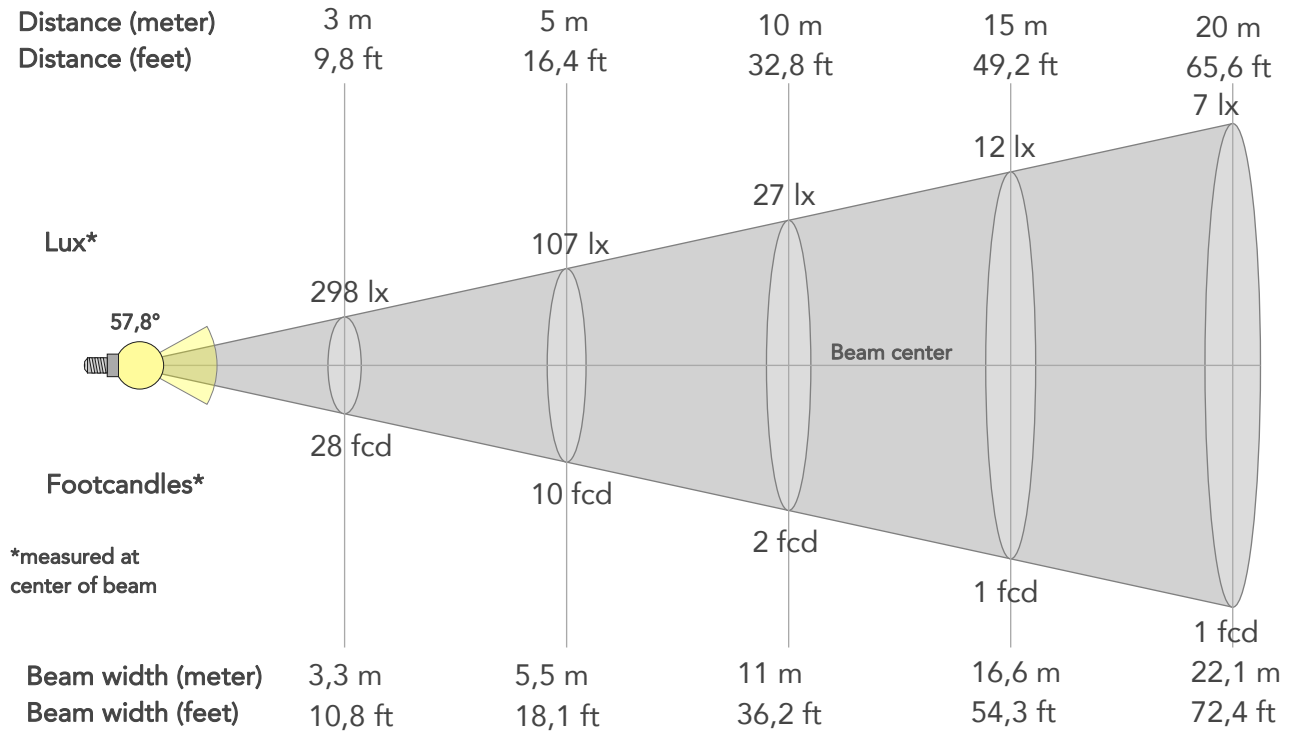
**Rg 127,9**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	48	28%	5%
2	61	17%	-3%
3	69	14%	-9%
4	80	6%	0%
5	75	3%	9%
6	68	14%	18%
7	57	11%	14%
8	69	17%	13%
9	75	11%	6%
10	82	4%	14%
11	59	3%	20%
12	66	-1%	31%
13	51	2%	33%
14	39	11%	41%
15	46	37%	37%
16	49	21%	15%



# BEAM DETAILS

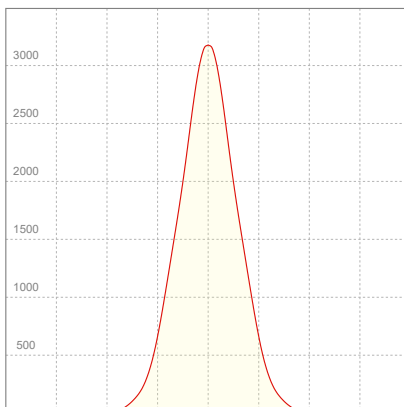
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,8°	108,2°	140,4°	94,3%	80,6%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2686lx	671lx	298lx	168lx	107lx	48lx	27lx	12lx	7lx	4lx	3lx	2lx	1lx
Footcand.	249fcd	62fcd	28fcd	16fcd	10fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,3m	11m	16,6m	22,1m	27,6m	33,1m	44,2m	55,2m
Beam wid.	3,6ft	7,3ft	10,8ft	14,5ft	18,1ft	27,2ft	36,2ft	54,3ft	72,4ft	90,5ft	108,6ft	144,8ft	181ft

## LINEAR DISTRIBUTION DIAGRAM



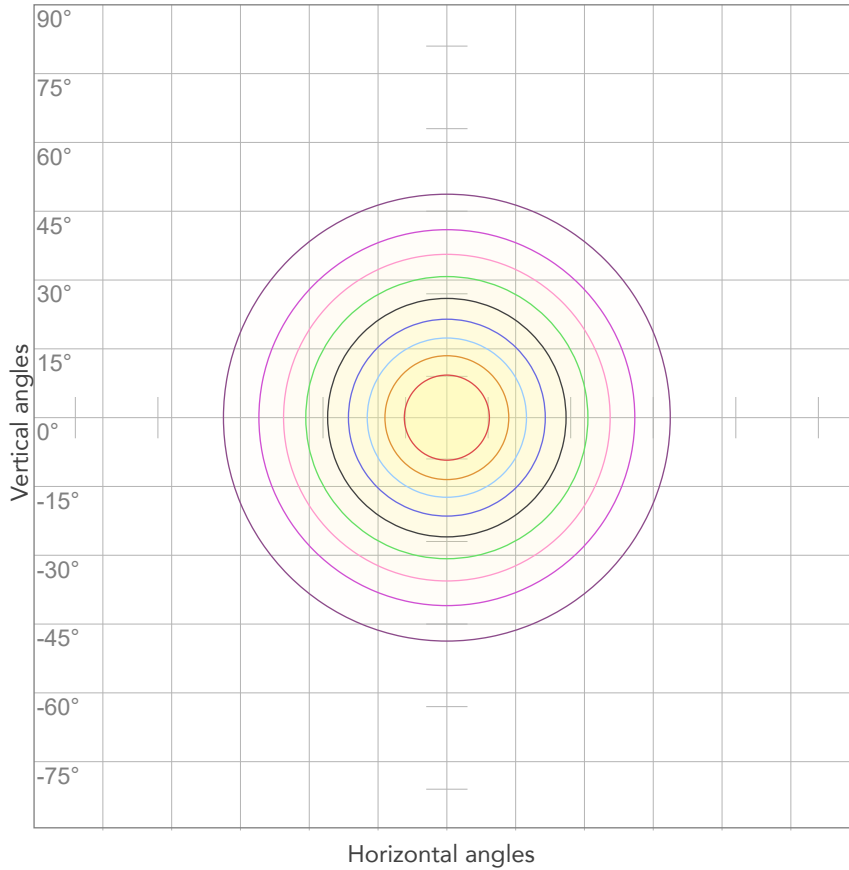
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,384A	79,1W	0,92	38lm/W



# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



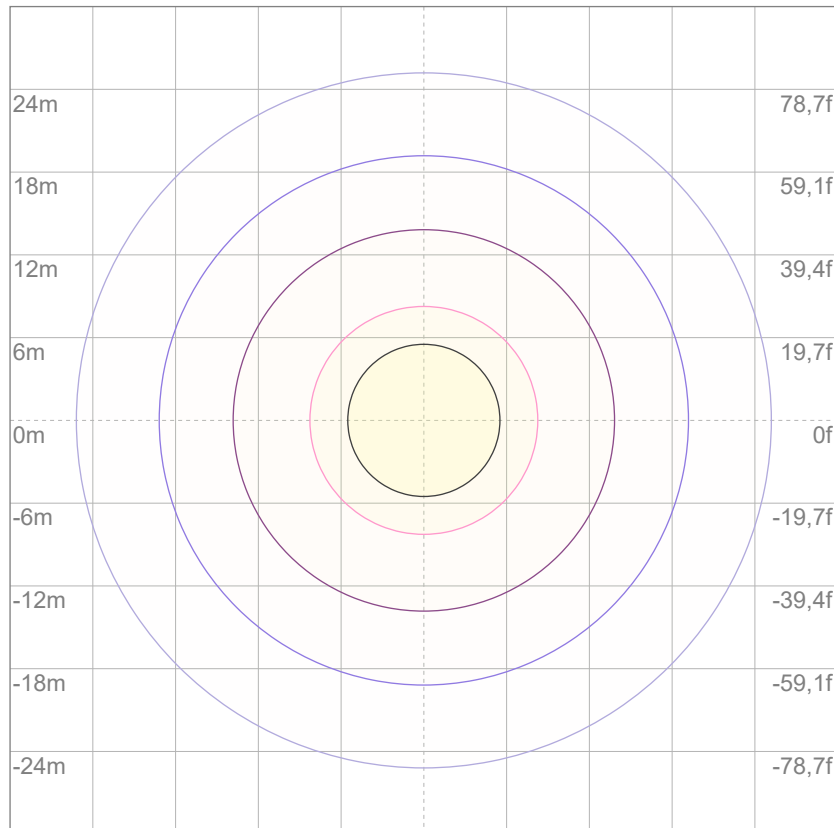
10%	269 cd
20%	537 cd
30%	806 cd
40%	1074 cd
50%	1343 cd
60%	1611 cd
70%	1880 cd
80%	2148 cd

### Conditions:

Number of c-planes: 2

Candela at center: 2686 cd

## ISO LUX DIAGRAM



3%	0,806 lx
5%	1,34 lx
10%	2,69 lx
30%	8,06 lx
50%	13,4 lx

### Conditions:

Number of c-planes: 2

Lux at center: 26,9 lx

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



Total lumen output:

4413 lm

Peak candela output:

9217 cd

Light quality:

CRI: 45,0

Color temperature:

20920 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 10° x 60° Filter

Target:

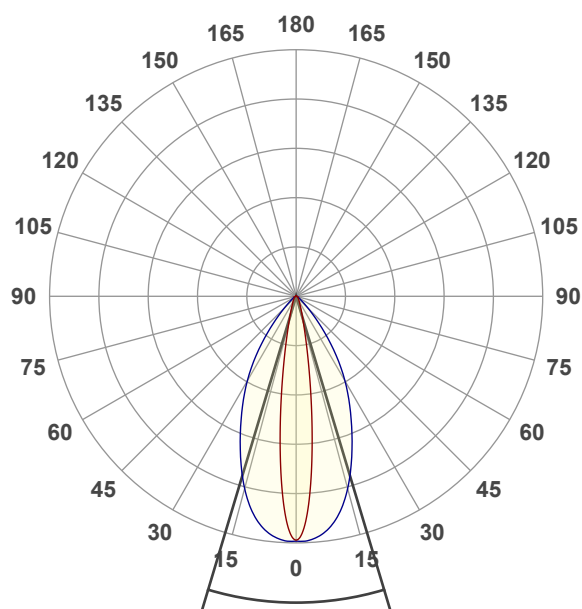
Full On

Operator:

Salvatore Giglio

Date and time:

09/02/2024 10:31:06

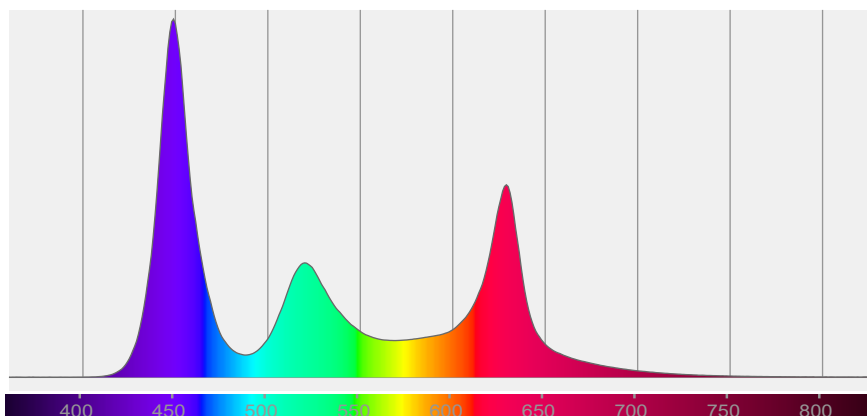


Beam angle 50%: 33,4°

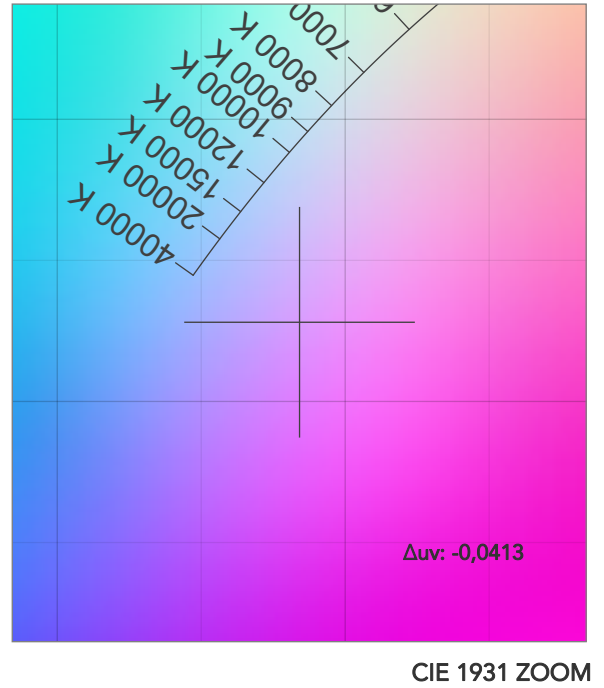
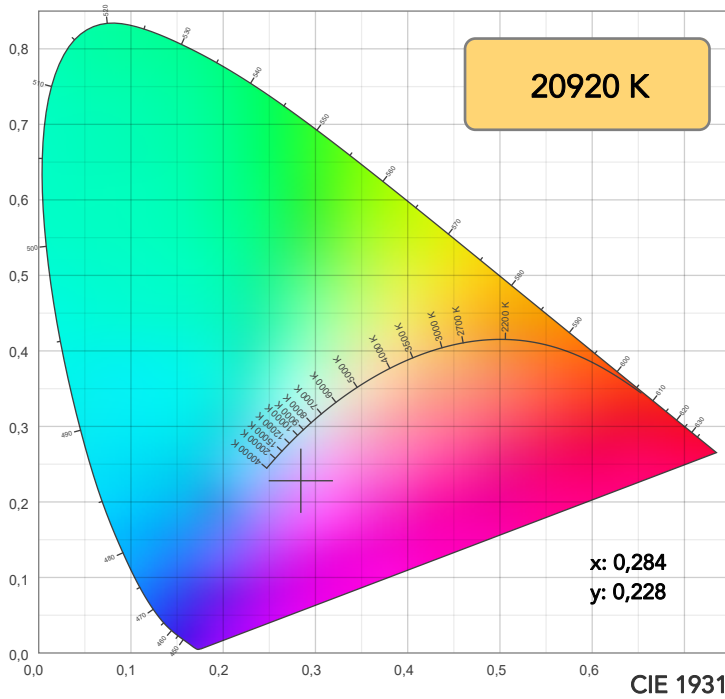
Field angle 10%: 58,8°

Cut off angle 2.5%: 83°

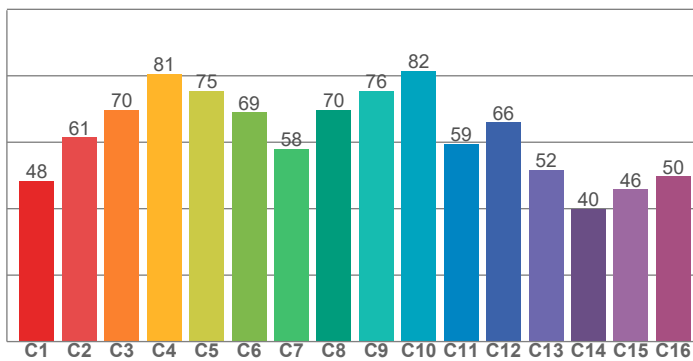
**Spectra**



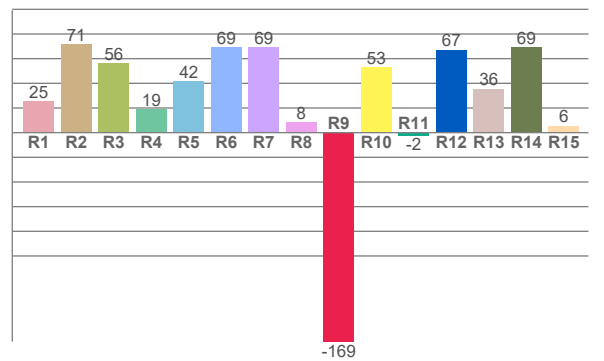
# COLOR DETAILS



TM30: 65,4



CRI: 45,0 (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
25,2	71,4	56,4	18,8	41,9	69,1	69,1	8,5	-169,4	53,2	-2,2	67,2	35,6	69,5	5,7

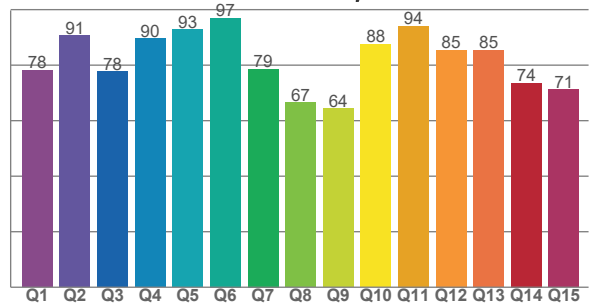
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
48,4	61,4	69,7	80,6	75,4	68,9	58,1	69,7	75,5	81,5	59,4	66,0	51,6	39,9	45,9	49,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78,1	90,6	77,7	89,6	92,9	96,9	78,6	66,6	64,4	87,5	94,1	85,4	85,3	73,6	71,2

CQS: 79,6



## COLOR PARAMETERS

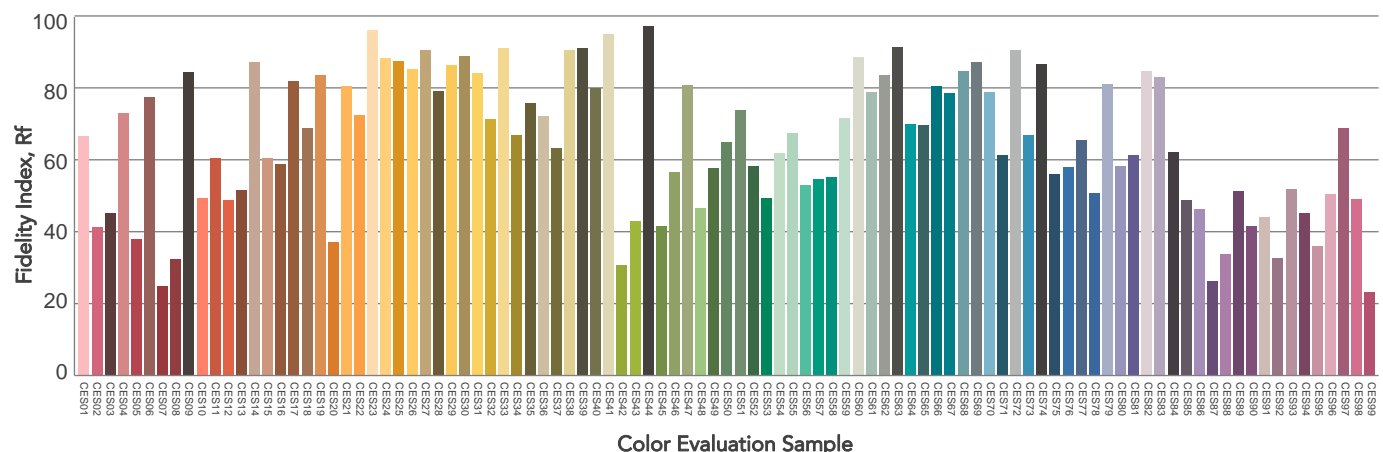
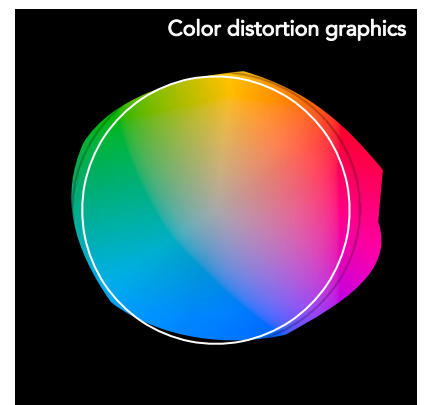
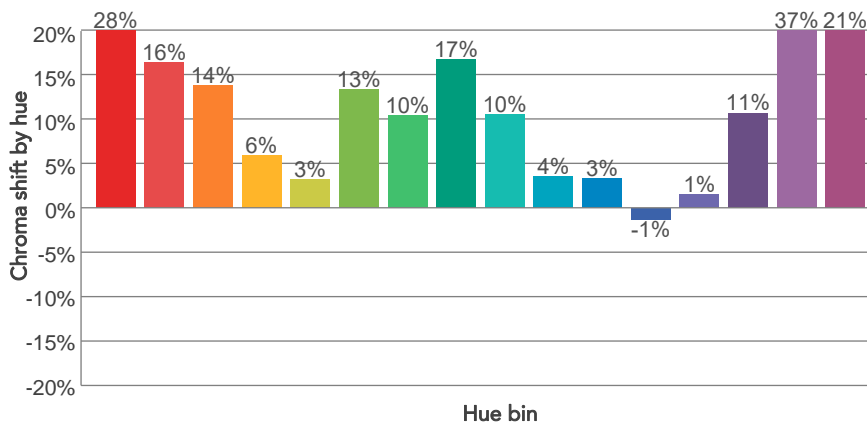
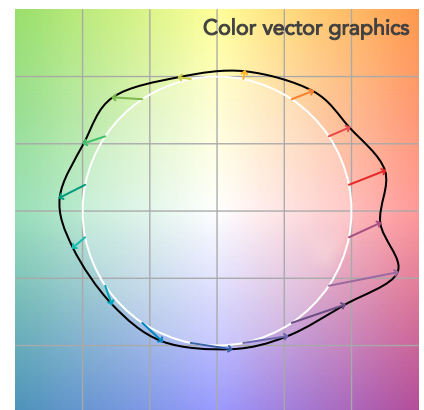
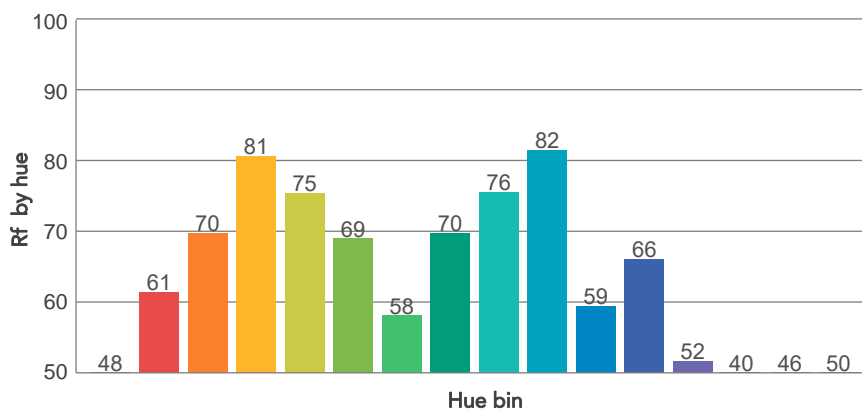
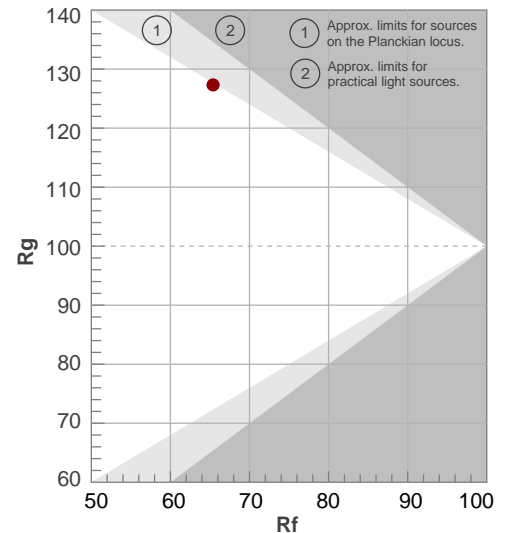
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
20920 K	45,0	-169,4	65,4	127,3	79,6	71	0,284	0,228	-0,0413

# TM30 DETAILS

**Rf 65,4**  
Fidelity index Rf

**Rg 127,3**  
Gammut index

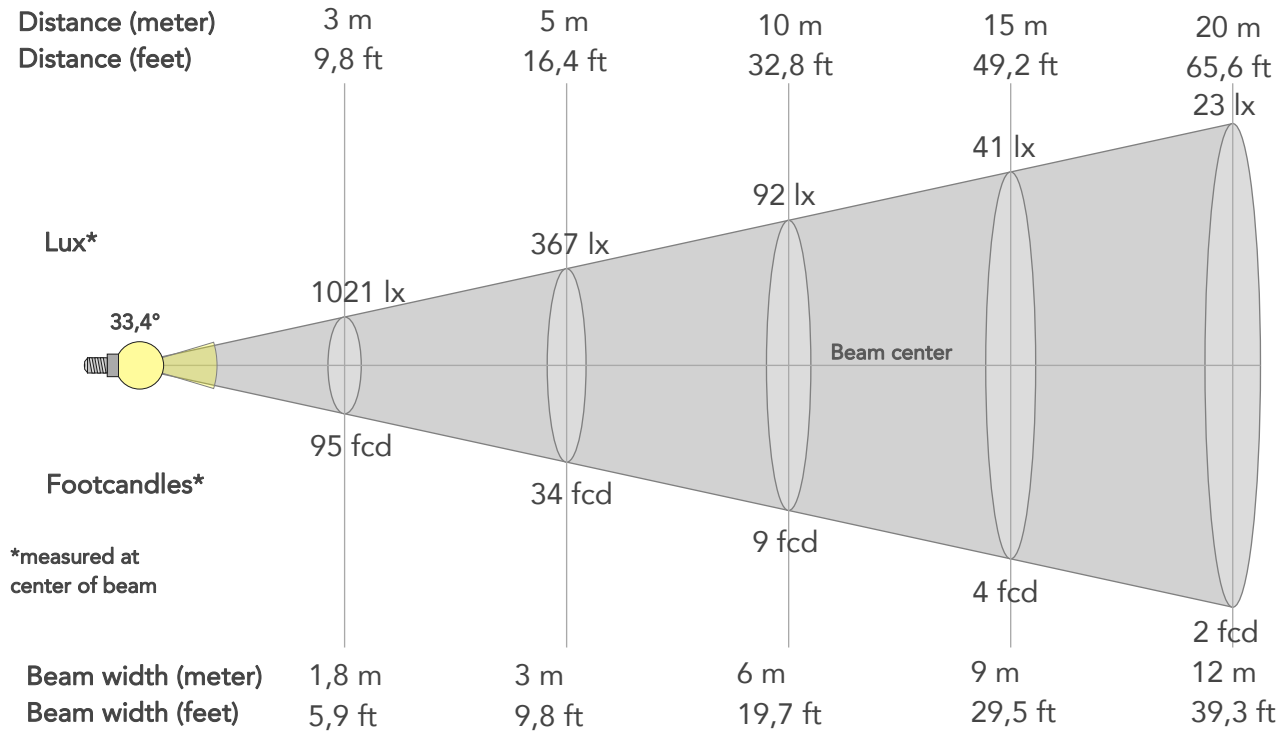
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	48	28%	5%
2	61	16%	-3%
3	70	14%	-10%
4	81	6%	0%
5	75	3%	8%
6	69	13%	18%
7	58	10%	13%
8	70	17%	13%
9	76	10%	6%
10	82	4%	14%
11	59	3%	20%
12	66	-1%	30%
13	52	1%	33%
14	40	11%	40%
15	46	37%	37%
16	50	21%	15%



# BEAM DETAILS



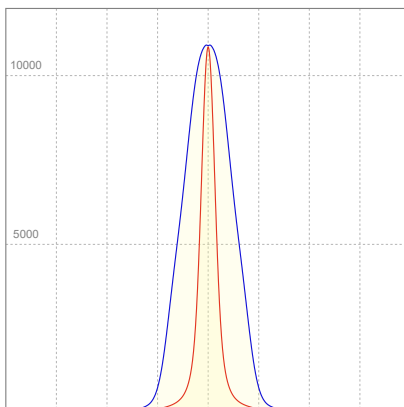
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,4°	58,8°	83°	97,7%	92,6%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	9186lx	2297lx	1021lx	574lx	367lx	163lx	92lx	41lx	23lx	15lx	10lx	6lx	4lx
Footcand.	853fcd	213fcd	95fcd	53fcd	34fcd	15fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,8ft	14,8ft	19,7ft	29,5ft	39,3ft	49,2ft	59ft	78,7ft	98,4ft

## LINEAR DISTRIBUTION DIAGRAM

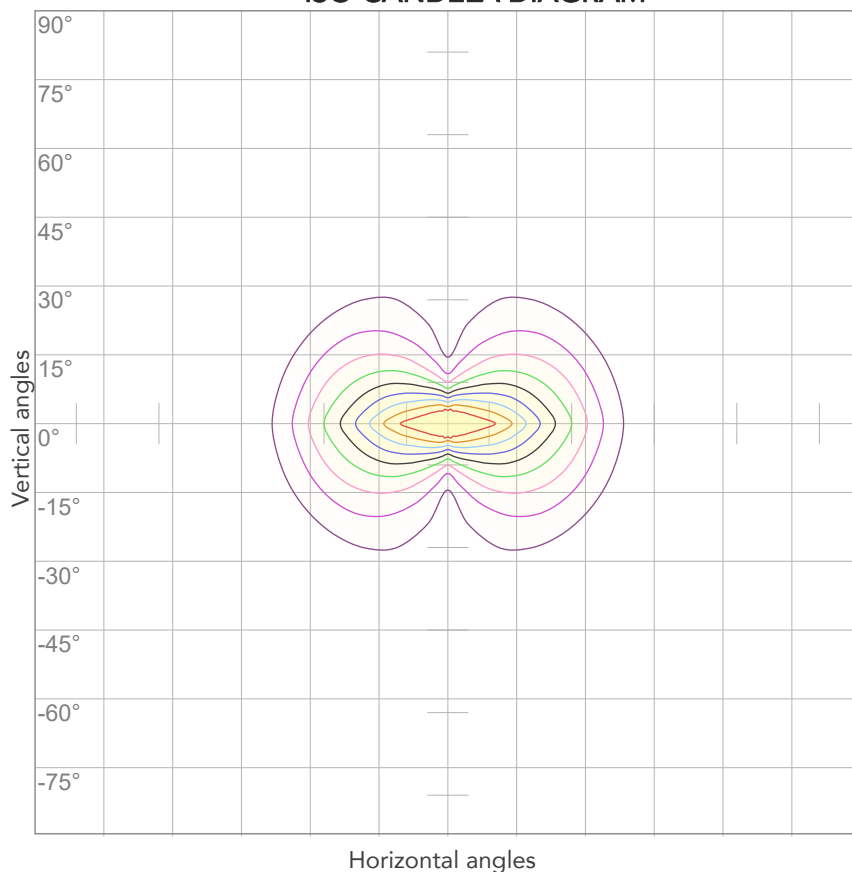


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,379A	78,5W	0,92	56lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



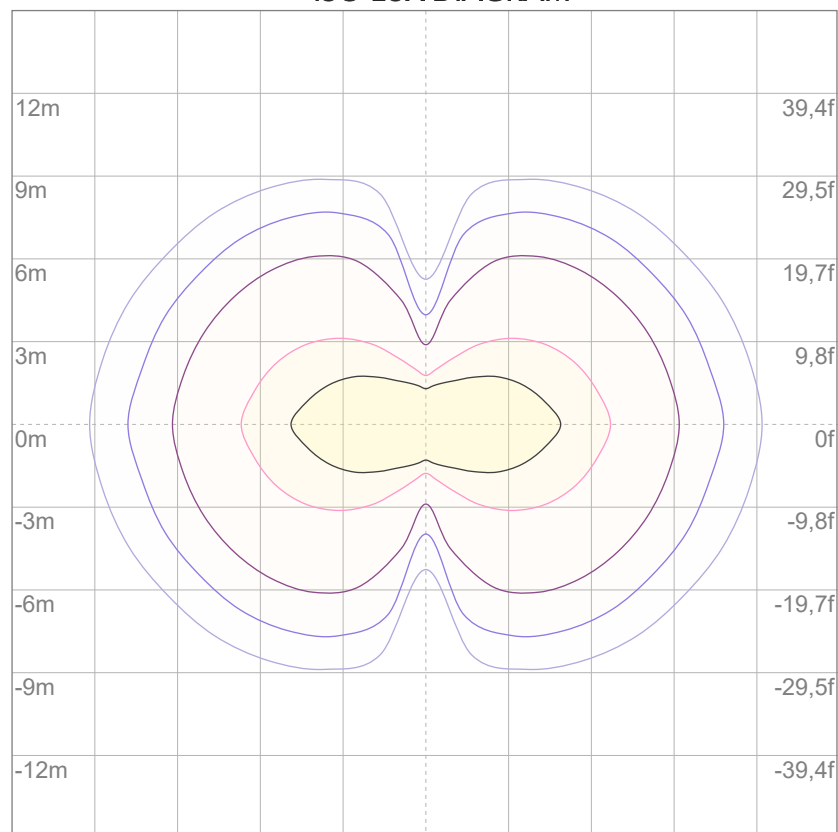
10%	919 cd
20%	1837 cd
30%	2756 cd
40%	3675 cd
50%	4593 cd
60%	5512 cd
70%	6430 cd
80%	7349 cd

### Conditions:

Number of c-planes: 4

Candela at center: 9186 cd

## ISO LUX DIAGRAM



3%	2,76 lx
5%	4,59 lx
10%	9,19 lx
30%	27,6 lx
50%	45,9 lx

### Conditions:

Number of c-planes: 4

Lux at center: 91,9 lx

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



Total lumen output:

3289 lm

Peak candela output:

4669 cd

Light quality:

CRI: 45,2

Color temperature:

22802 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 30° x 60° Filter

Target:

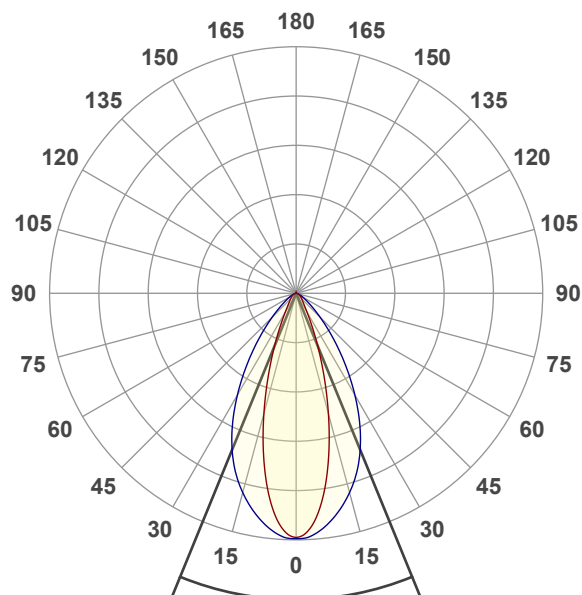
Full On

Operator:

Salvatore Giglio

Date and time:

08/02/2024 18:22:58

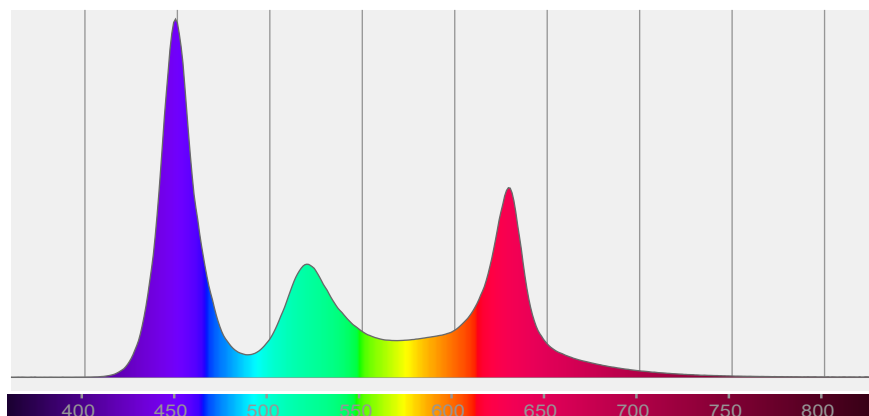


Beam angle 50%: 44,5°

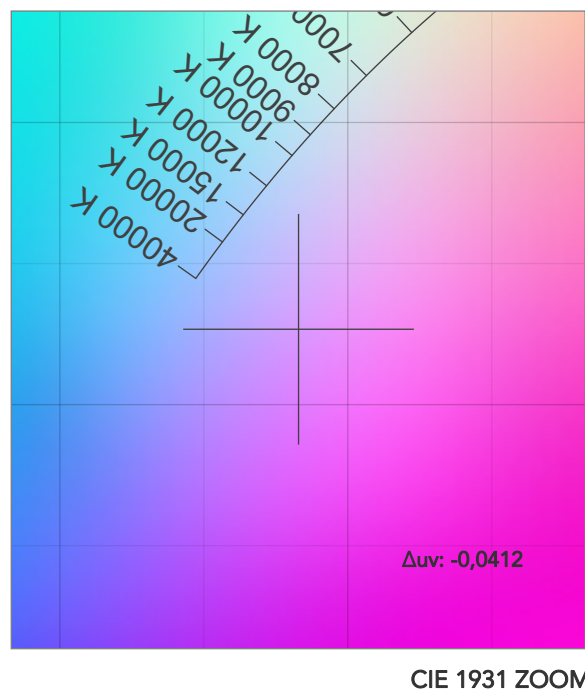
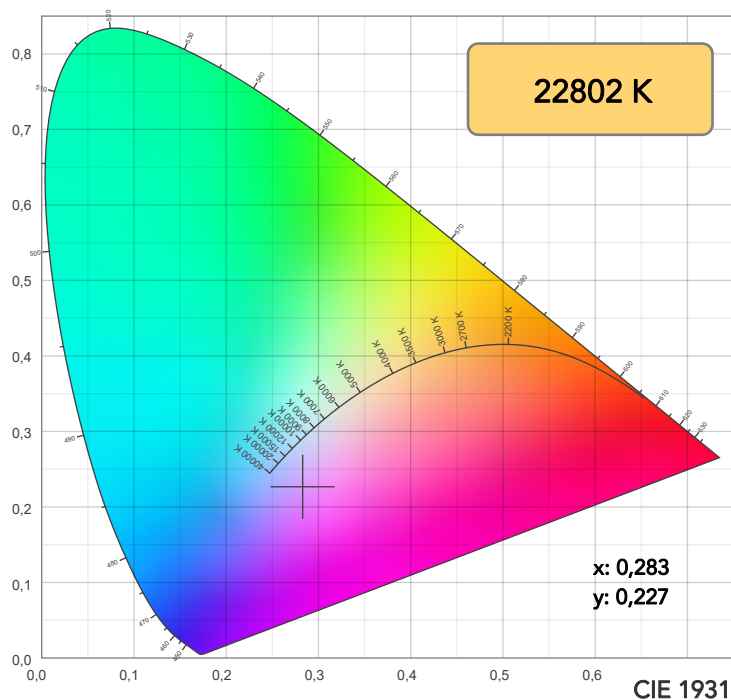
Field angle 10%: 77,3°

Cut off angle 2.5%: 113,6°

**Spectra**

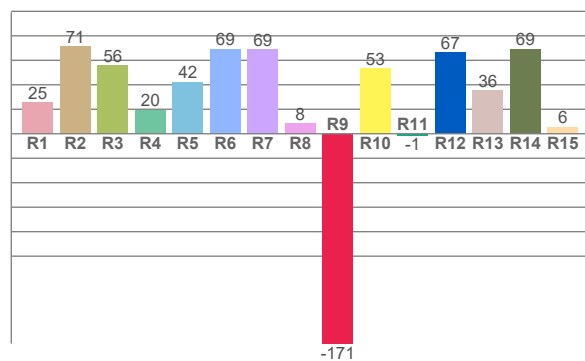
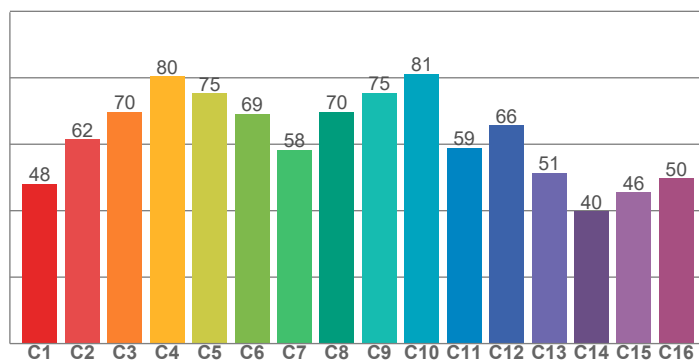


# COLOR DETAILS



TM30: 65,3

CRI: 45,2 (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
25,5	71,4	56,1	19,5	42,4	69,3	69,2	8,5	-171,4	53,5	-1,2	66,7	35,8	69,3	5,7

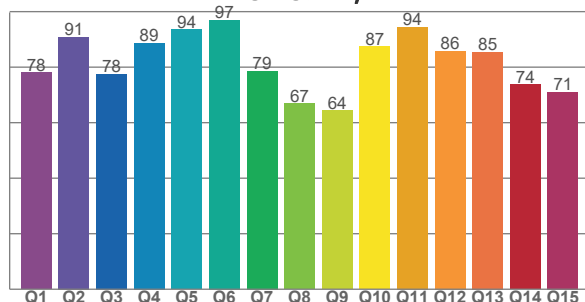
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
48,1	61,5	69,7	80,4	75,3	69,2	58,3	69,7	75,4	81,1	59,0	65,6	51,4	39,7	45,5	49,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78,1	90,8	77,6	88,7	93,5	96,9	78,7	66,8	64,4	87,3	94,4	85,7	85,5	73,7	71,1

CQS: 79,7



## 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	$\Delta uv$
22802 K	45,2	-171,4	65,3	127,2	79,7	71	0,283	0,227	-0,0412

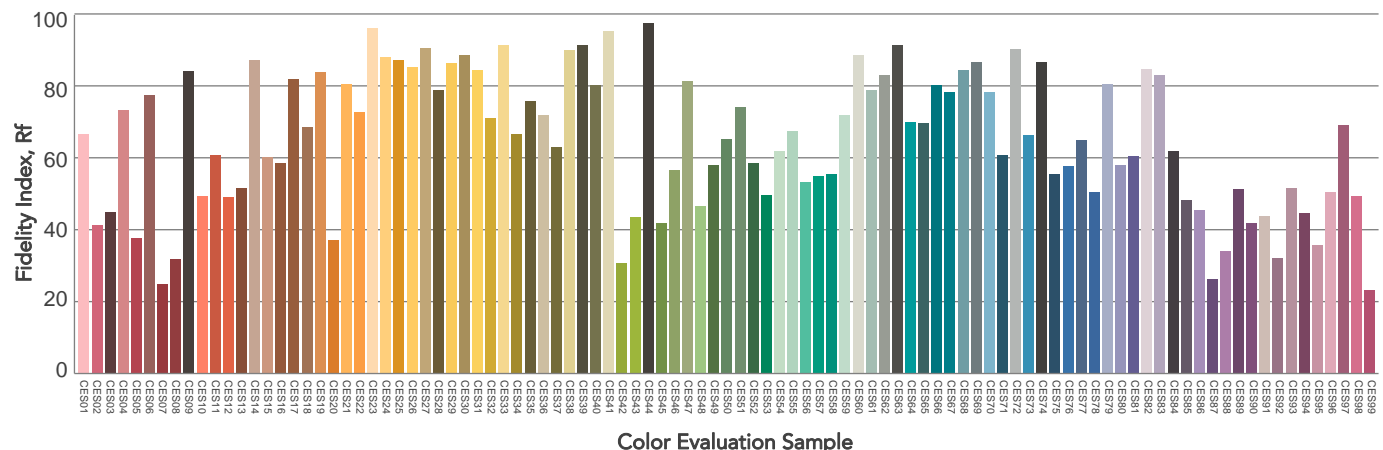
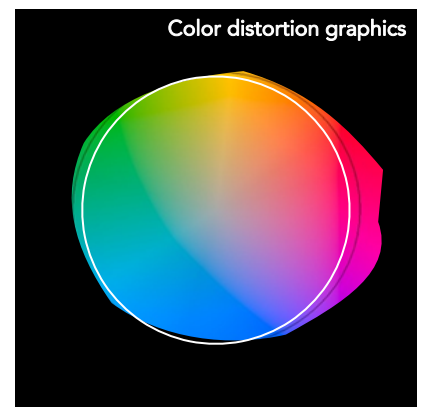
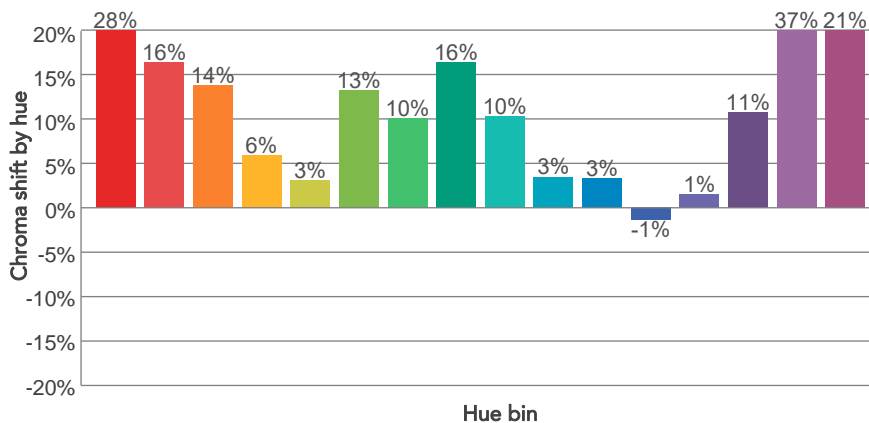
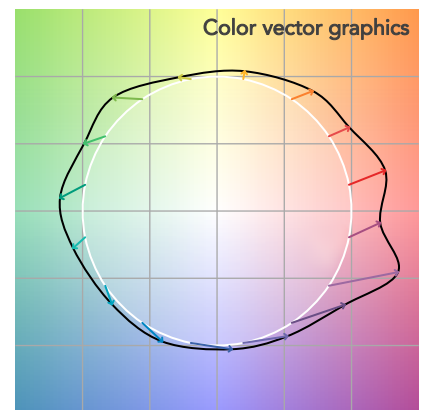
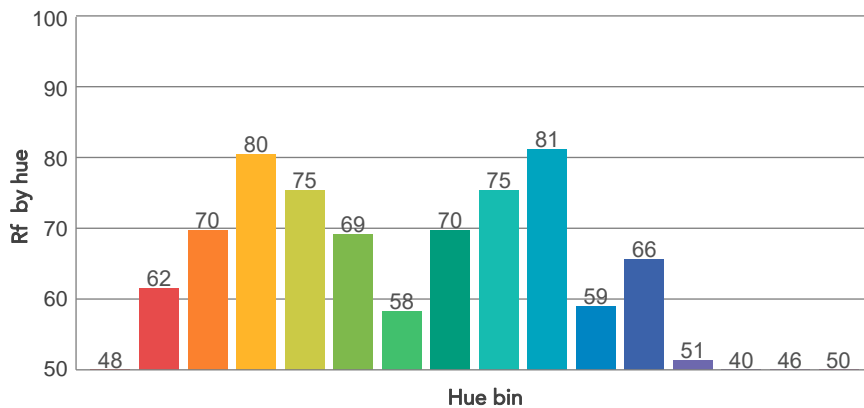
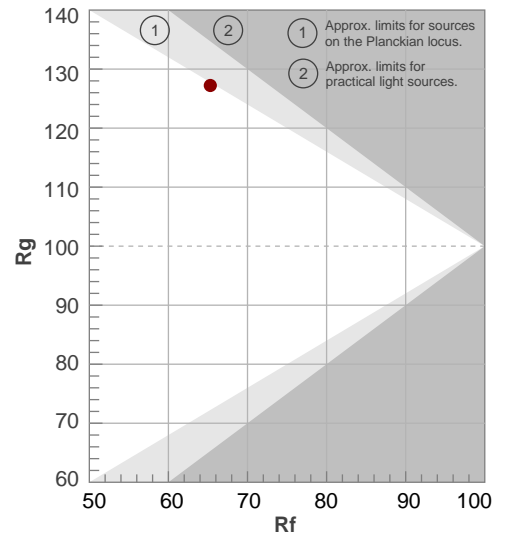


# TM30 DETAILS

**Rf 65,3**  
Fidelity index Rf

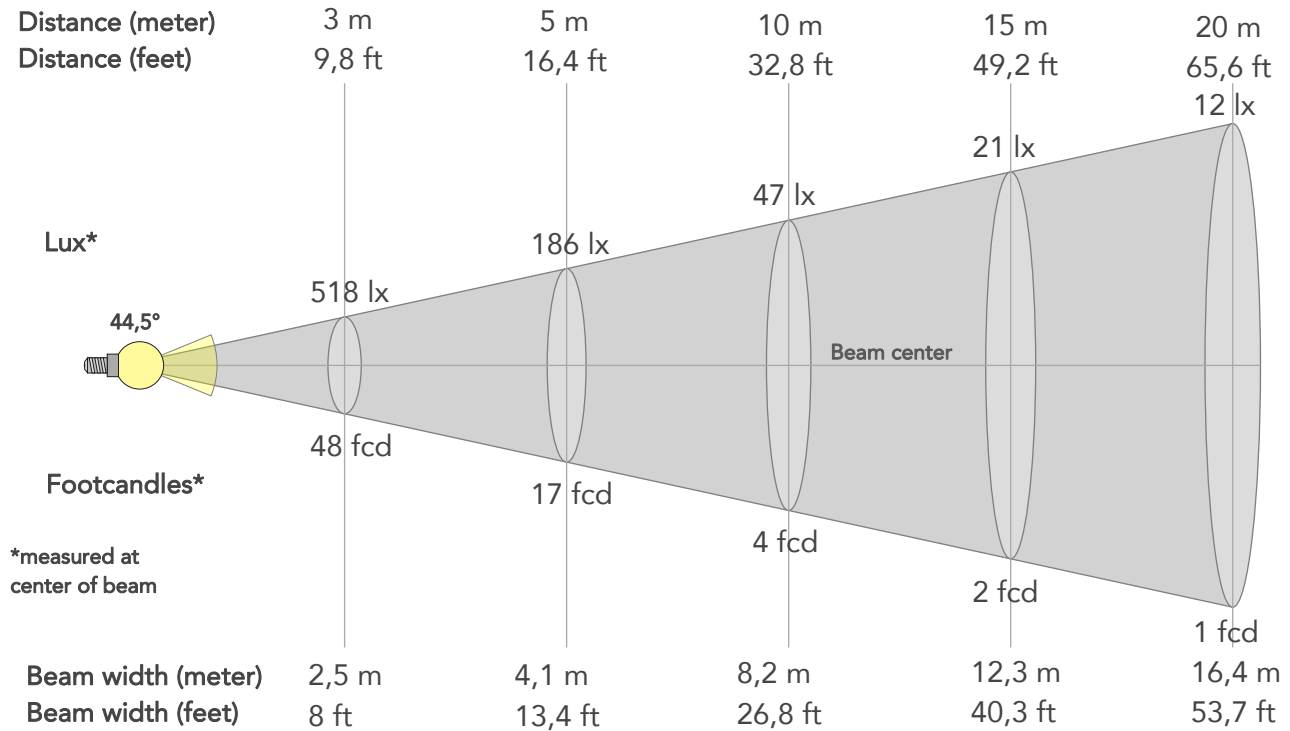
**Rg 127,2**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	48	28%	5%
2	62	16%	-3%
3	70	14%	-10%
4	80	6%	0%
5	75	3%	8%
6	69	13%	17%
7	58	10%	13%
8	70	16%	13%
9	75	10%	6%
10	81	3%	14%
11	59	3%	20%
12	66	-1%	31%
13	51	1%	33%
14	40	11%	40%
15	46	37%	37%
16	50	21%	15%



# BEAM DETAILS

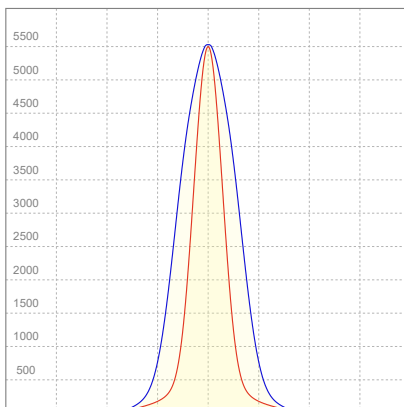
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,5°	77,3°	113,6°	96,3%	87,8%



## 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	4659lx	1165lx	518lx	291lx	186lx	83lx	47lx	21lx	12lx	7lx	5lx	3lx	2lx
Footcand.	433fcd	108fcd	48fcd	27fcd	17fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,1m	8,2m	12,3m	16,4m	20,5m	24,5m	32,7m	40,9m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,4ft	20,1ft	26,8ft	40,3ft	53,7ft	67,1ft	80,5ft	107,4ft	134,2ft

## LINEAR DISTRIBUTION DIAGRAM

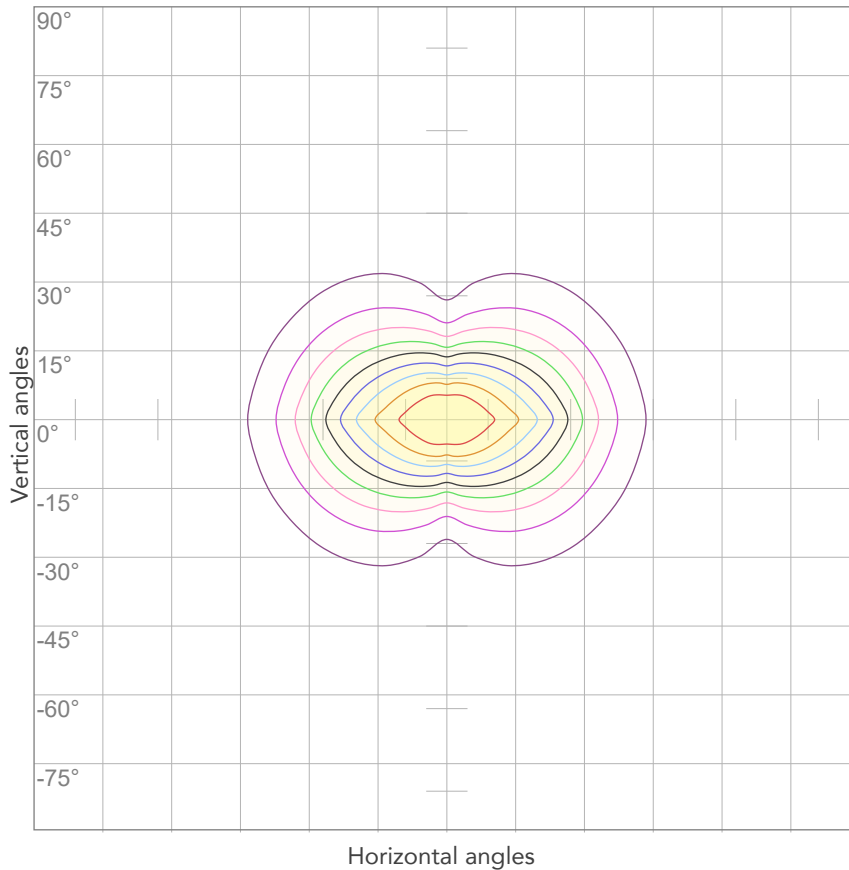


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,380A	78,3W	0,92	42lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



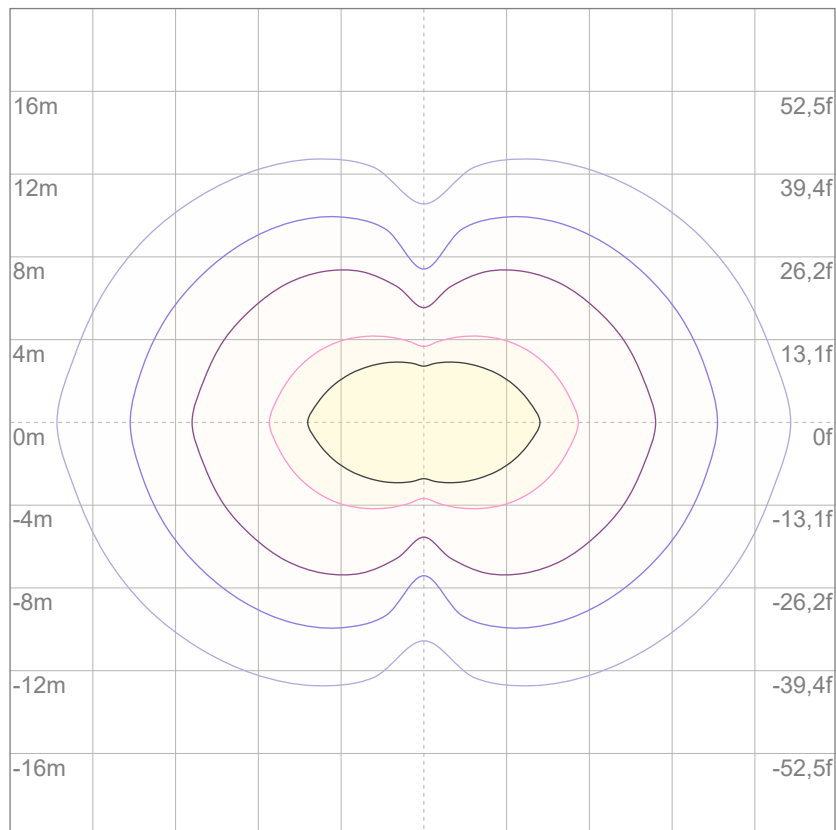
10%	466 cd
20%	932 cd
30%	1398 cd
40%	1864 cd
50%	2330 cd
60%	2796 cd
70%	3262 cd
80%	3727 cd

### Conditions:

Number of c-planes: 4

Candela at center: 4659 cd

## ISO LUX DIAGRAM



3%	1,40 lx
5%	2,33 lx
10%	4,66 lx
30%	14,0 lx
50%	23,3 lx

### Conditions:

Number of c-planes: 4

Lux at center: 46,6 lx

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



Total lumen output:

951 lm

Peak candela output:

16663 cd

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10°

Target:

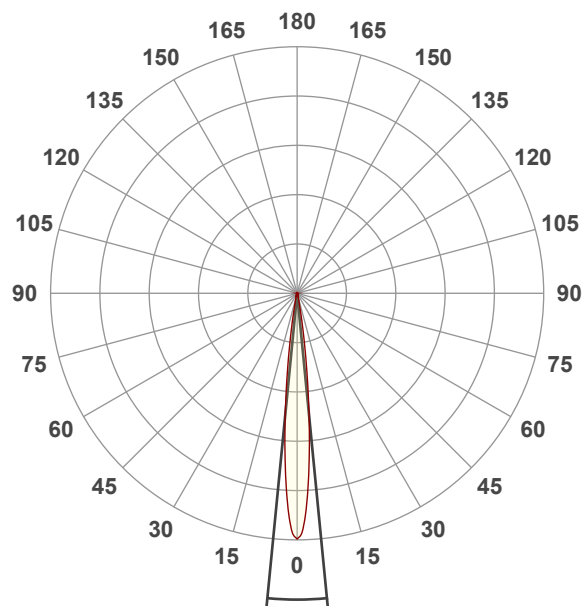
Red

Operator:

Giacomo Matteo

Date and time:

10/02/2024 11:24:59

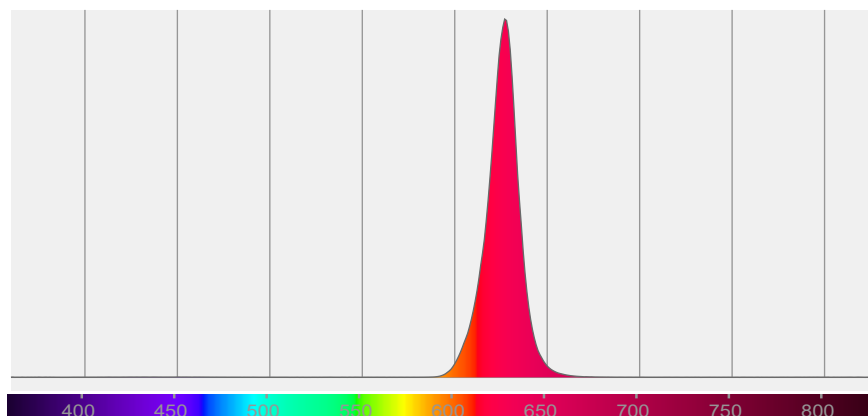


Beam angle 50%: 11,2°

Field angle 10%: 20°

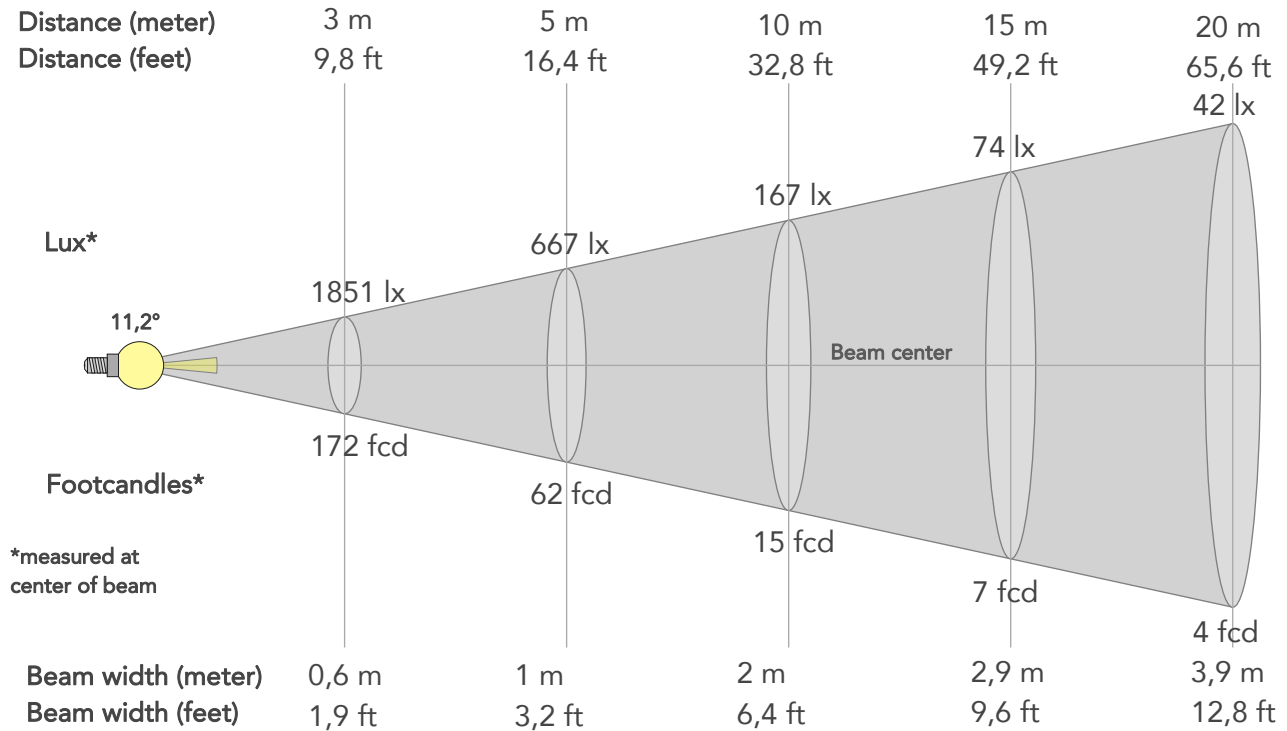
Cut off angle 2.5%: 27,9°

**Spectra**



# BEAM DETAILS

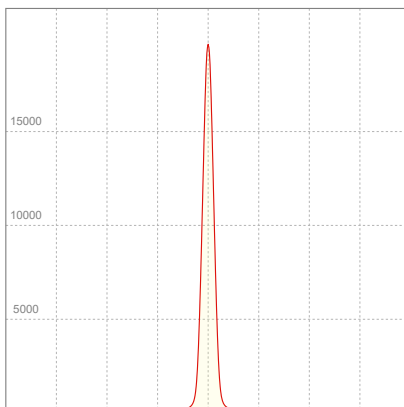
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
11,2°	20°	27,9°	95,7%	91,9%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	16663lx	4166lx	1851lx	1041lx	667lx	296lx	167lx	74lx	42lx	27lx	19lx	10lx	7lx
Footcand.	1548fcd	387fcd	172fcd	97fcd	62fcd	28fcd	15fcd	7fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,5m	2m	2,9m	3,9m	4,9m	5,9m	7,8m	9,8m
Beam wid.	0,6ft	1,3ft	1,9ft	2,6ft	3,2ft	4,8ft	6,4ft	9,6ft	12,8ft	16ft	19,2ft	25,6ft	32ft

## LINEAR DISTRIBUTION DIAGRAM

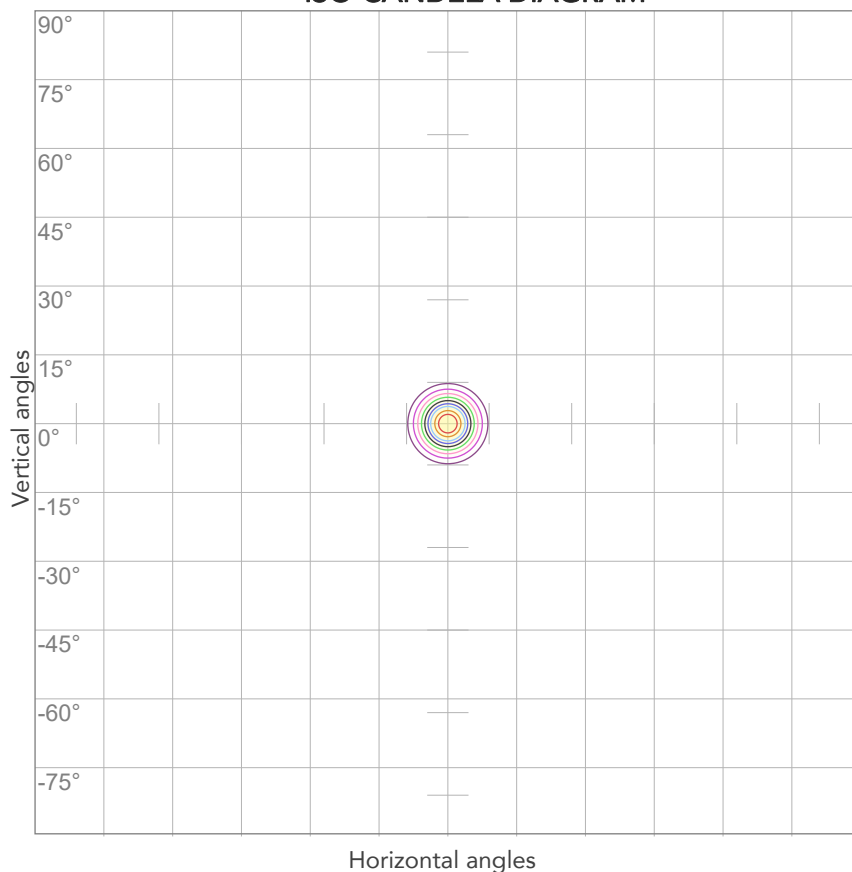


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,156A	27,9W	0,79	34lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



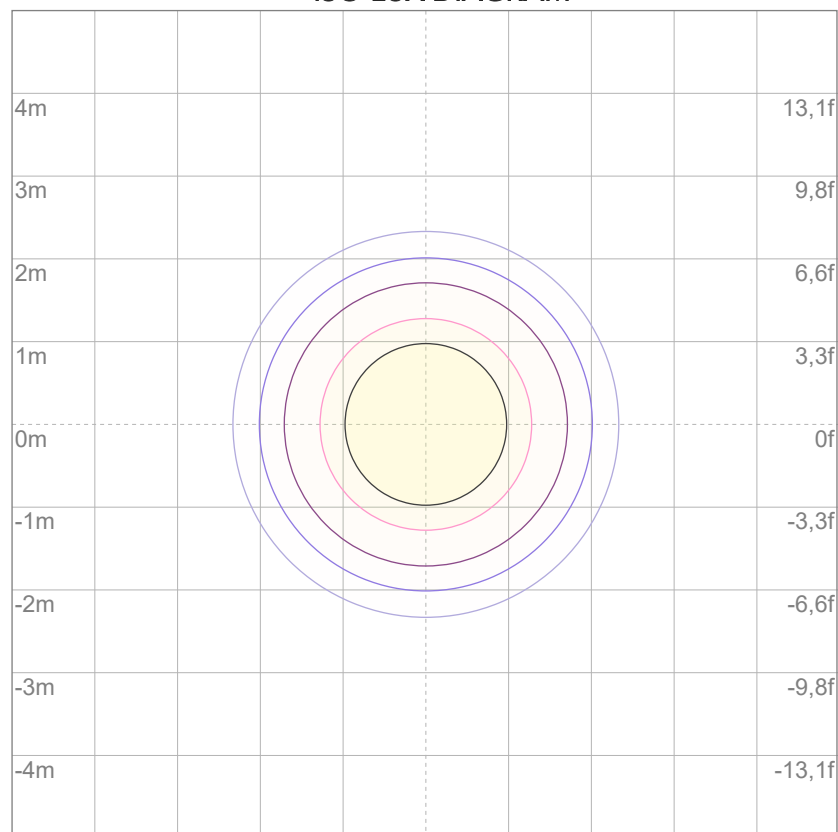
10%	1666 cd
20%	3333 cd
30%	4999 cd
40%	6665 cd
50%	8331 cd
60%	9998 cd
70%	11664 cd
80%	13330 cd

### Conditions:

Number of c-planes: 2

Candela at center: 16663 cd

## ISO LUX DIAGRAM



3%	5,00 lx
5%	8,33 lx
10%	16,7 lx
30%	50,0 lx
50%	83,3 lx

### Conditions:

Number of c-planes: 2

Lux at center: 167 lx

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



Total lumen output:

823 lm

Peak candela output:

3310 cd

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

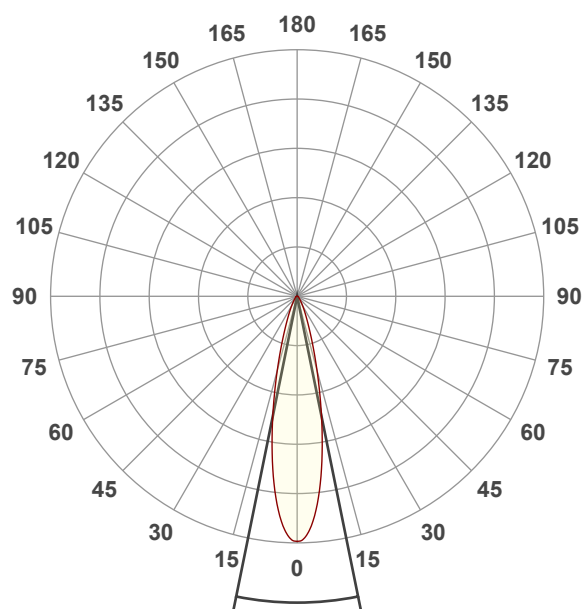
Red

Operator:

Salvatore Giglio

Date and time:

08/02/2024 17:43:39

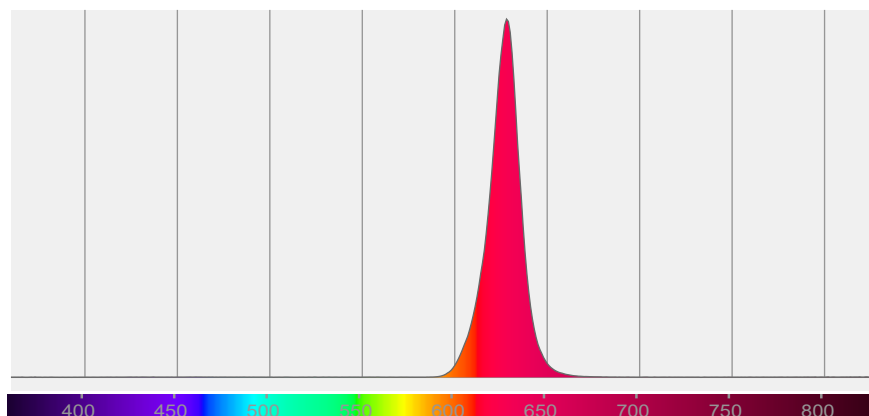


Beam angle 50%: 23°

Field angle 10%: 46°

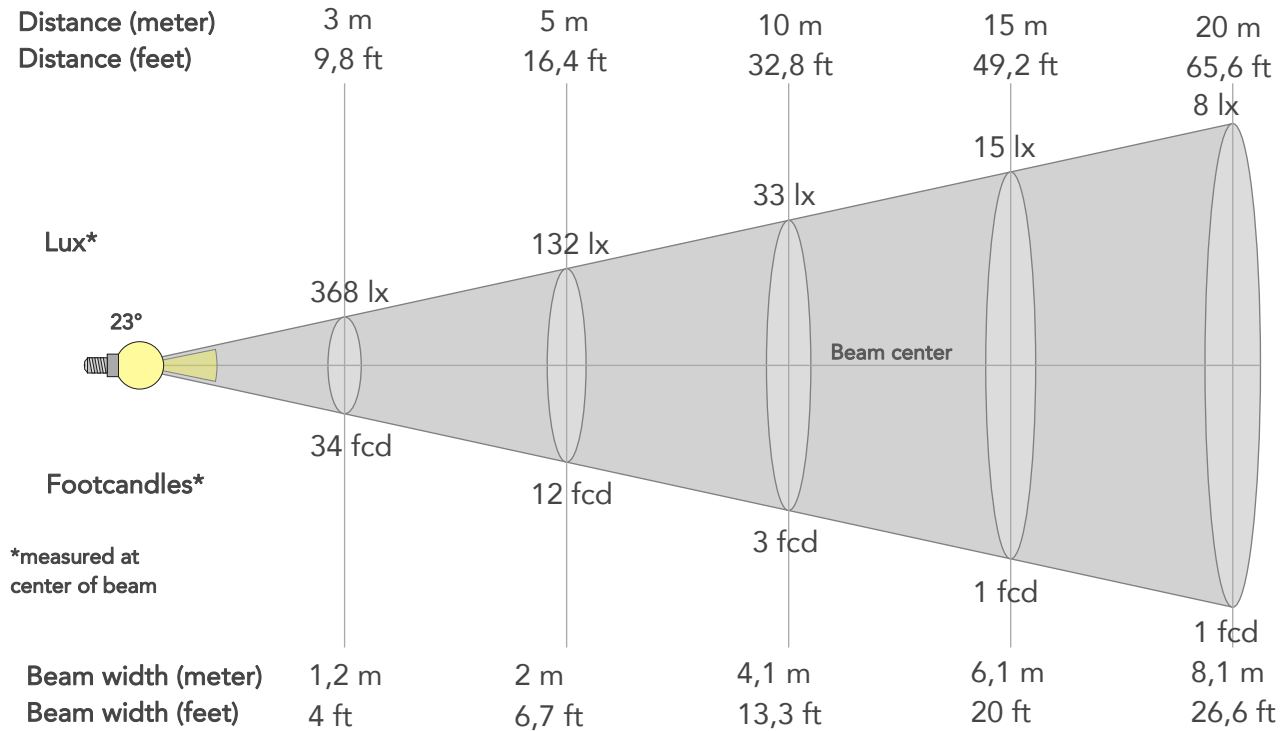
Cut off angle 2.5%: 72,3°

Spectra



# BEAM DETAILS

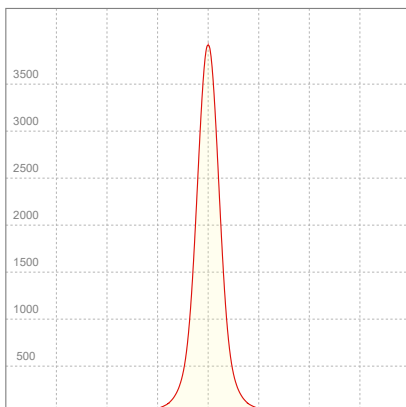
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23°	46°	72,3°	94,7%	89,9%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3310lx	827lx	368lx	207lx	132lx	59lx	33lx	15lx	8lx	5lx	4lx	2lx	1lx
Footcand.	307fcd	77fcd	34fcd	19fcd	12fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3m	4,1m	6,1m	8,1m	10,2m	12,2m	16,2m	20,3m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,7ft	10ft	13,3ft	20ft	26,6ft	33,3ft	40ft	53,3ft	66,6ft

## LINEAR DISTRIBUTION DIAGRAM



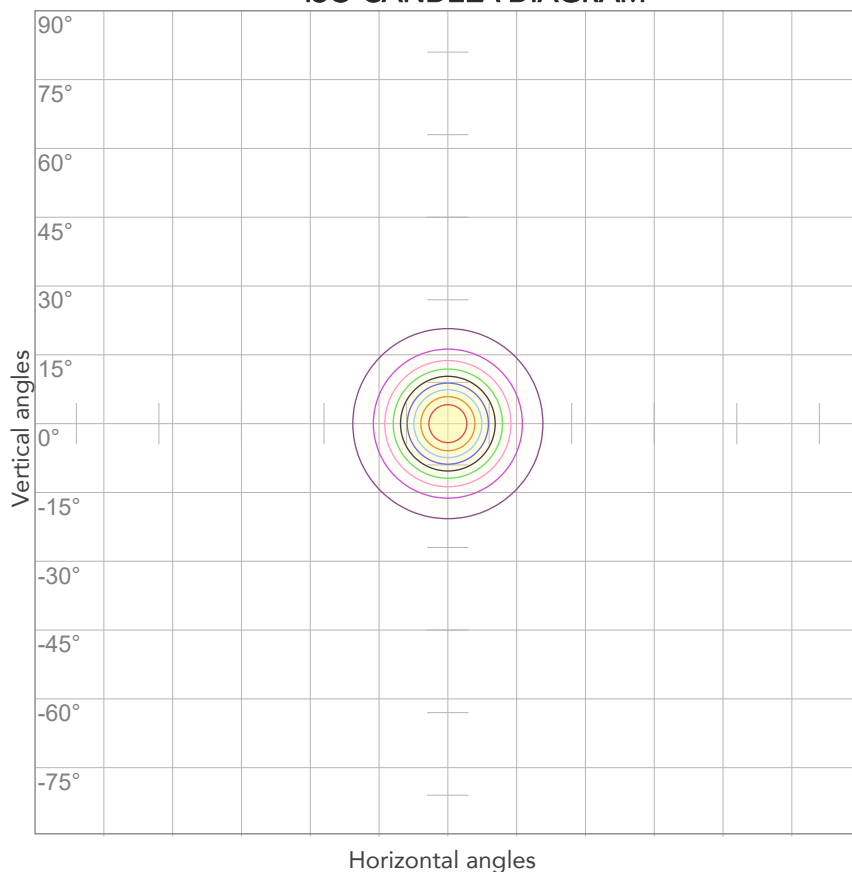
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,156A	27,7W	0,79	30lm/W



# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



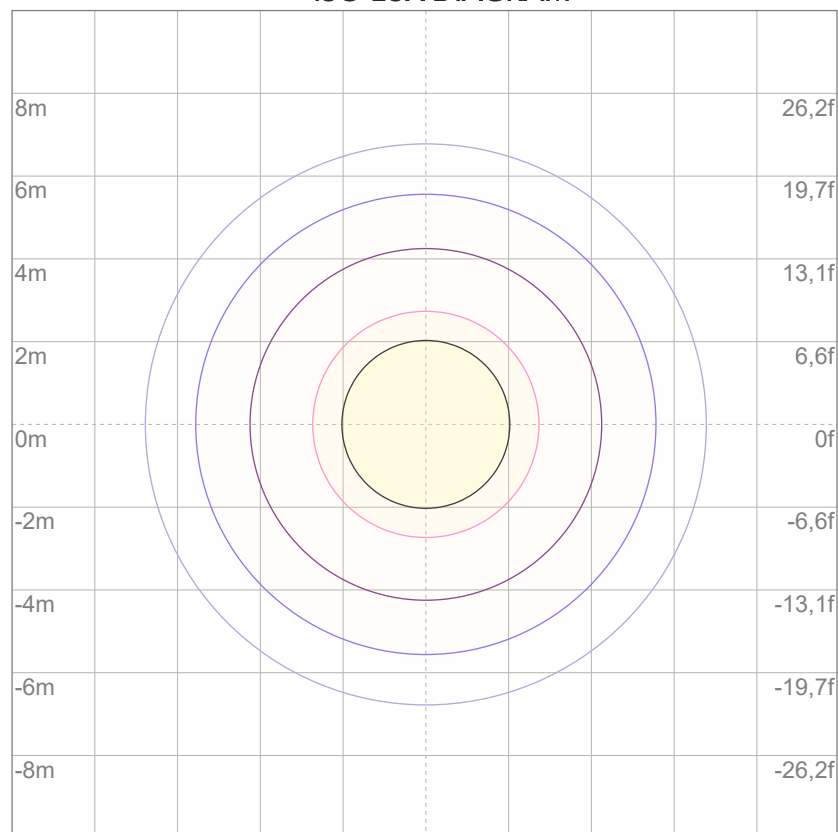
10%	331 cd
20%	662 cd
30%	993 cd
40%	1324 cd
50%	1655 cd
60%	1986 cd
70%	2317 cd
80%	2648 cd

### Conditions:

Number of c-planes: 2

Candela at center: 3310 cd

## ISO LUX DIAGRAM



3%	0,993 lx
5%	1,65 lx
10%	3,31 lx
30%	9,93 lx
50%	16,5 lx

### Conditions:

Number of c-planes: 2

Lux at center: 33,1 lx

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



Total lumen output:

817 lm

Peak candela output:

1101 cd

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 40° Filter

Target:

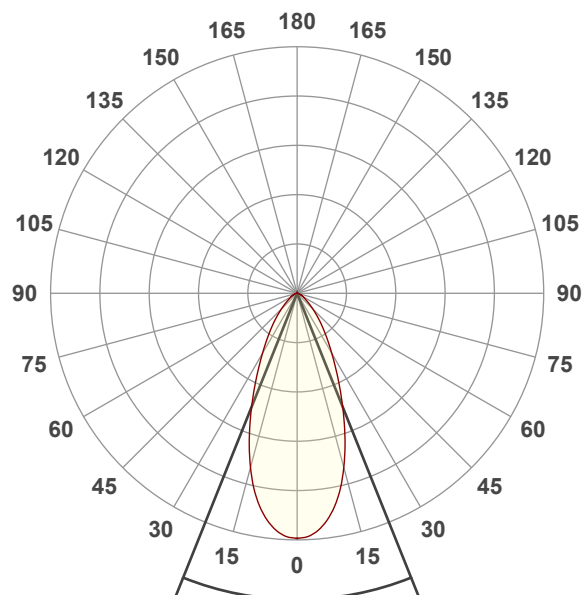
Red

Operator:

Salvatore Giglio

Date and time:

09/02/2024 09:09:50

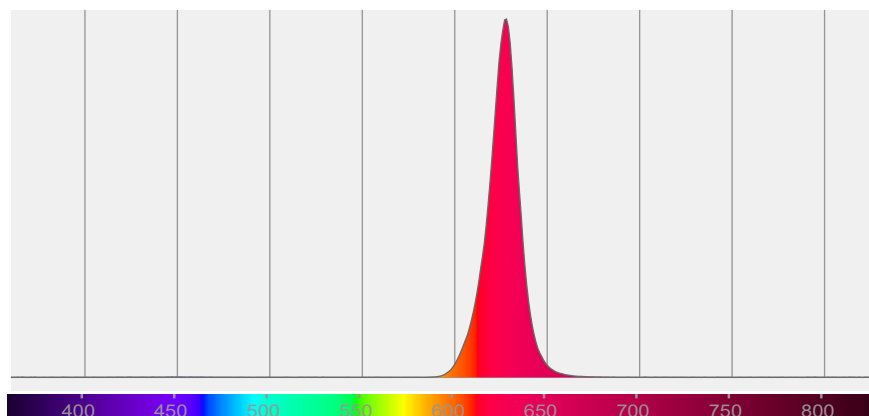


Beam angle 50%: 43,7°

Field angle 10%: 87,8°

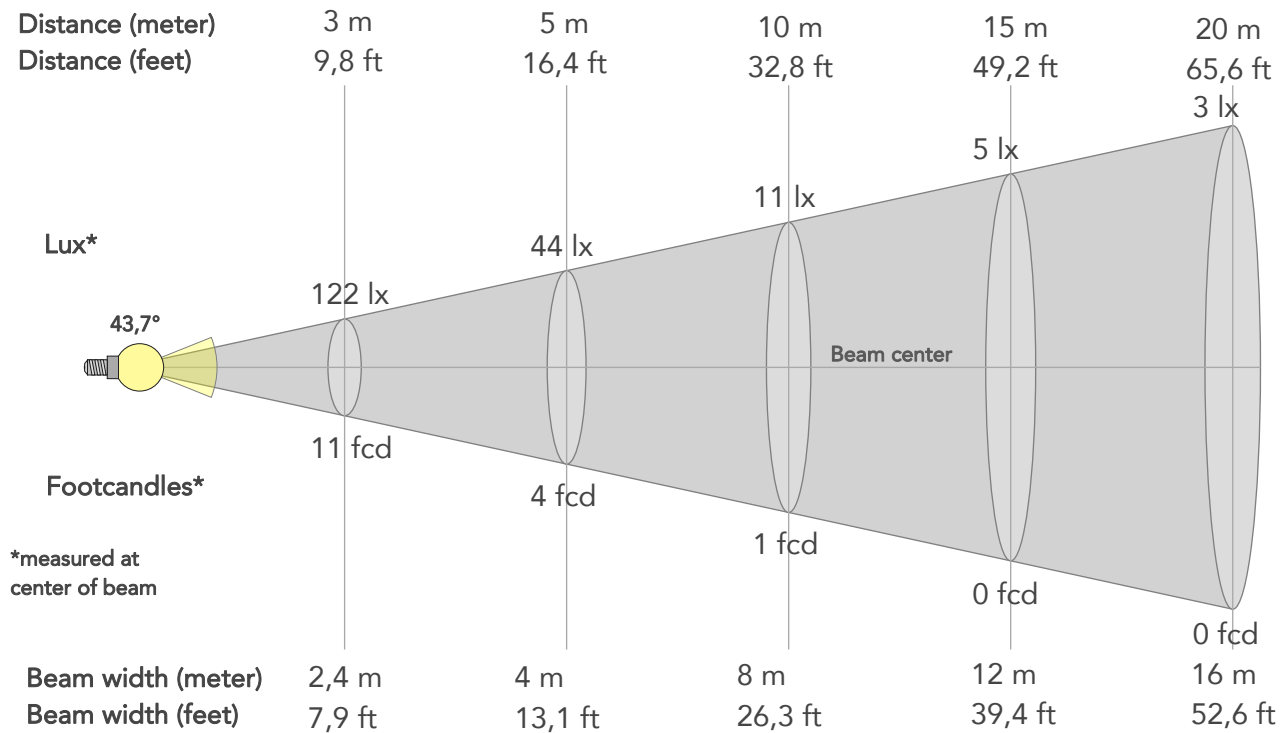
Cut off angle 2.5%: 122,8°

**Spectra**



# BEAM DETAILS

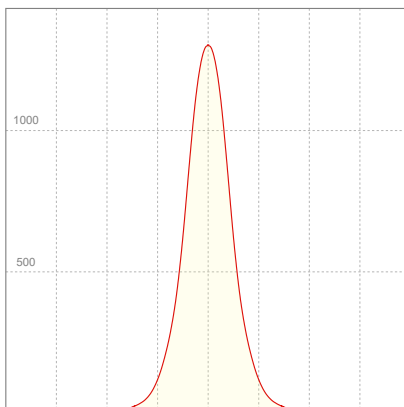
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43,7°	87,8°	122,8°	95,8%	86,8%



## 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	1101lx	275lx	122lx	69lx	44lx	20lx	11lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	102fcd	26fcd	11fcd	6fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,2m	4m	6m	8m	12m	16m	20m	24,1m	32,1m	40,1m
Beam wid.	2,6ft	5,3ft	7,9ft	10,5ft	13,1ft	19,7ft	26,3ft	39,4ft	52,6ft	65,7ft	78,9ft	105,2ft	131,5ft

## LINEAR DISTRIBUTION DIAGRAM

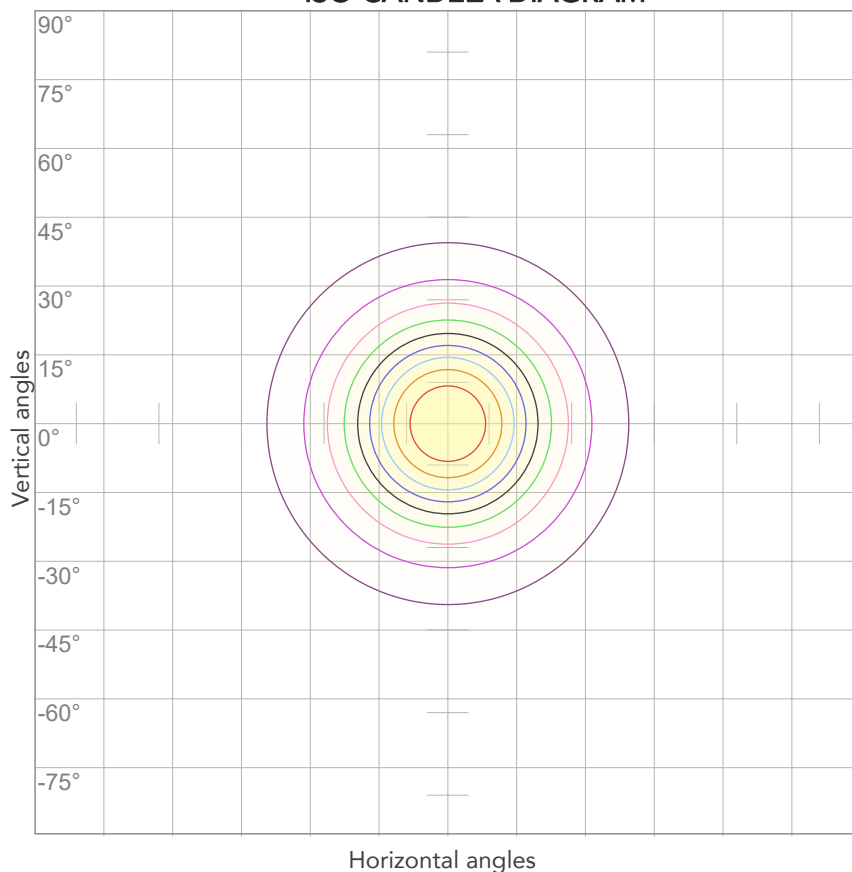


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,157A	27,9W	0,79	29lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



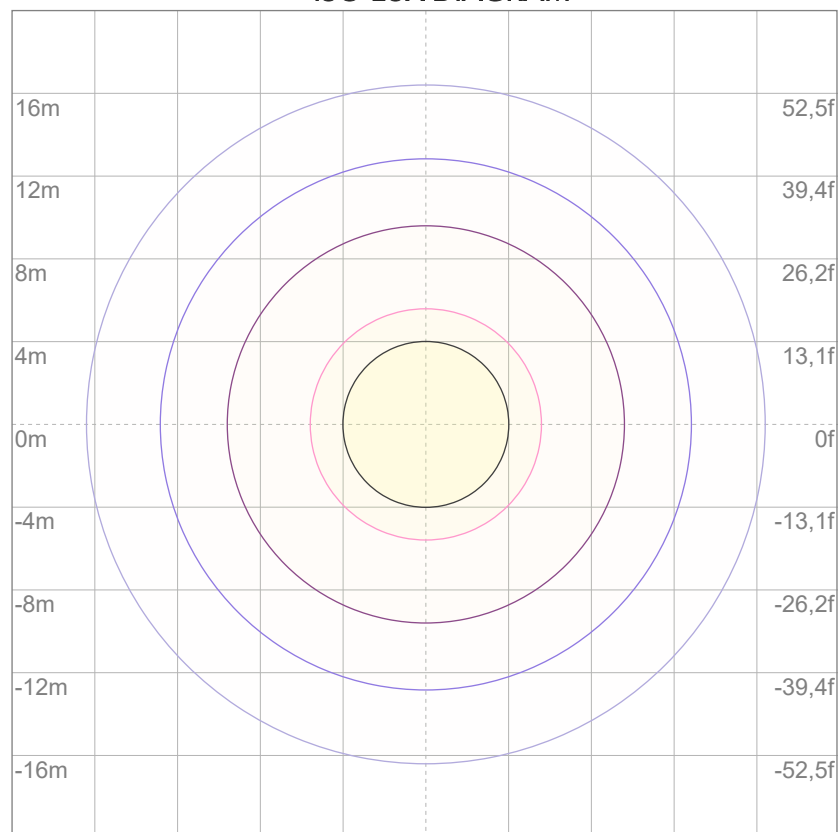
10%	110 cd
20%	220 cd
30%	330 cd
40%	440 cd
50%	550 cd
60%	661 cd
70%	771 cd
80%	881 cd

### Conditions:

Number of c-planes: 2

Candela at center: 1101 cd

## ISO LUX DIAGRAM



3%	0,330 lx
5%	0,550 lx
10%	1,10 lx
30%	3,30 lx
50%	5,50 lx

### Conditions:

Number of c-planes: 2

Lux at center: 11,0 lx

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



Total lumen output:

791 lm

Peak candela output:

704 cd

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 60° Filter

Target:

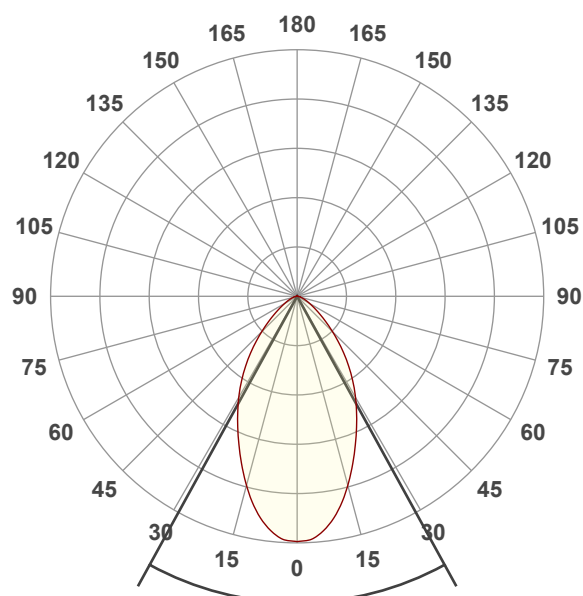
Red

Operator:

Salvatore Giglio

Date and time:

09/02/2024 09:50:45

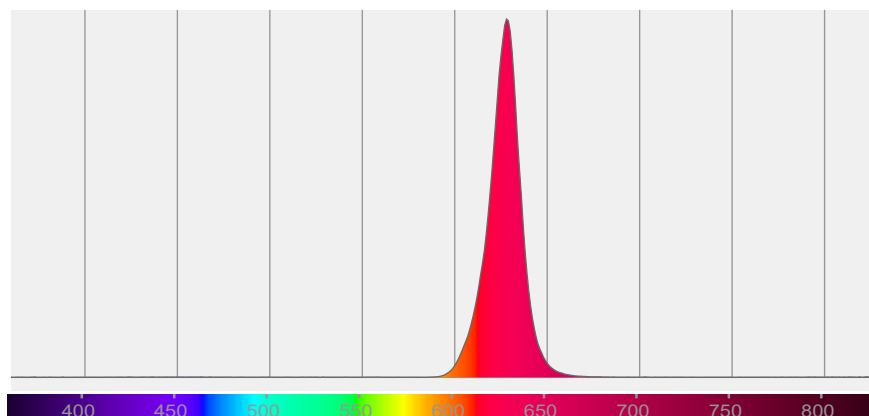


Beam angle 50%: 57,5°

Field angle 10%: 107,7°

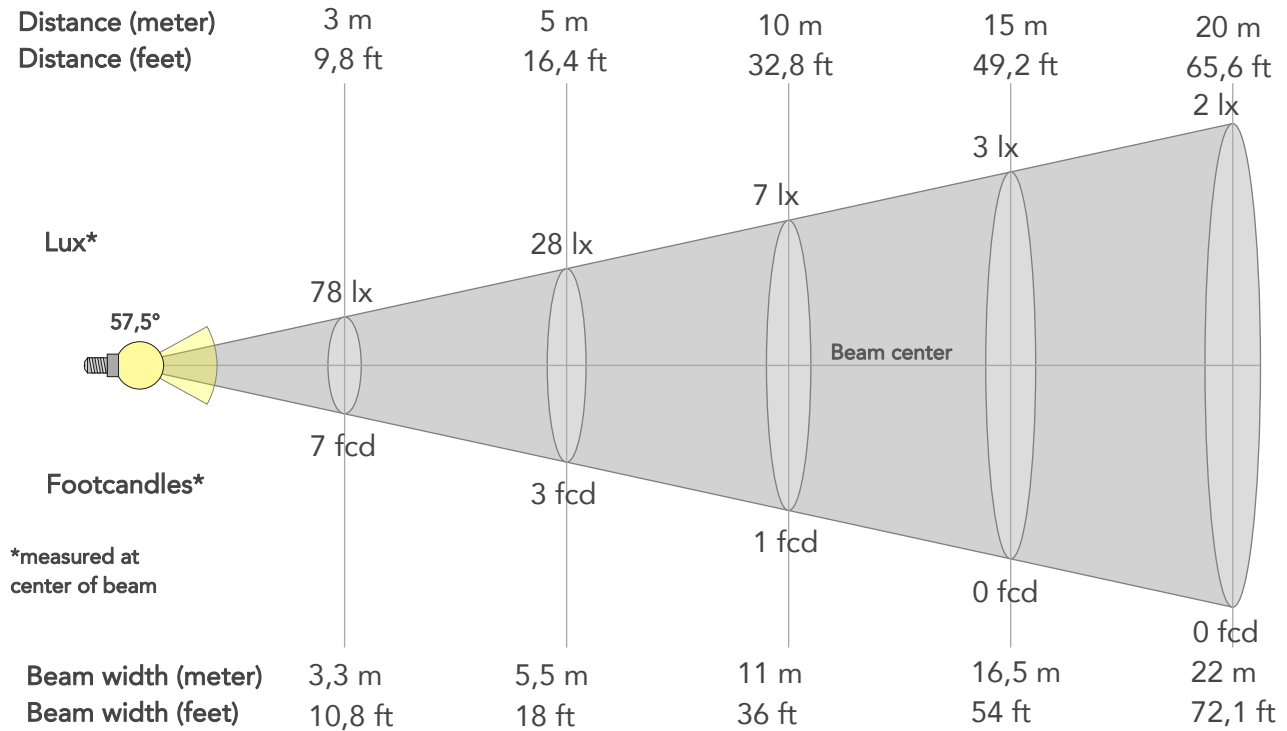
Cut off angle 2.5%: 140,6°

**Spectra**



# BEAM DETAILS

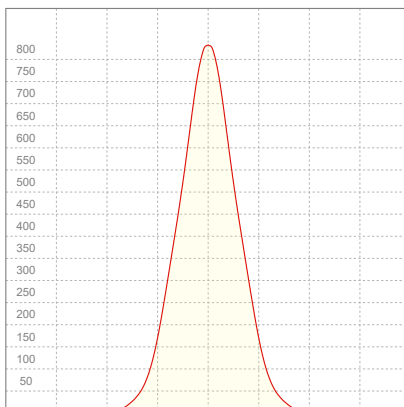
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,5°	107,7°	140,6°	93,9%	80,5%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	704lx	176lx	78lx	44lx	28lx	13lx	7lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	65fcd	16fcd	7fcd	4fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,2m	11m	16,5m	22m	27,5m	33m	43,9m	54,9m
Beam wid.	3,6ft	7,2ft	10,8ft	14,4ft	18ft	27ft	36ft	54ft	72,1ft	90,1ft	108,1ft	144,1ft	180,1ft

## LINEAR DISTRIBUTION DIAGRAM

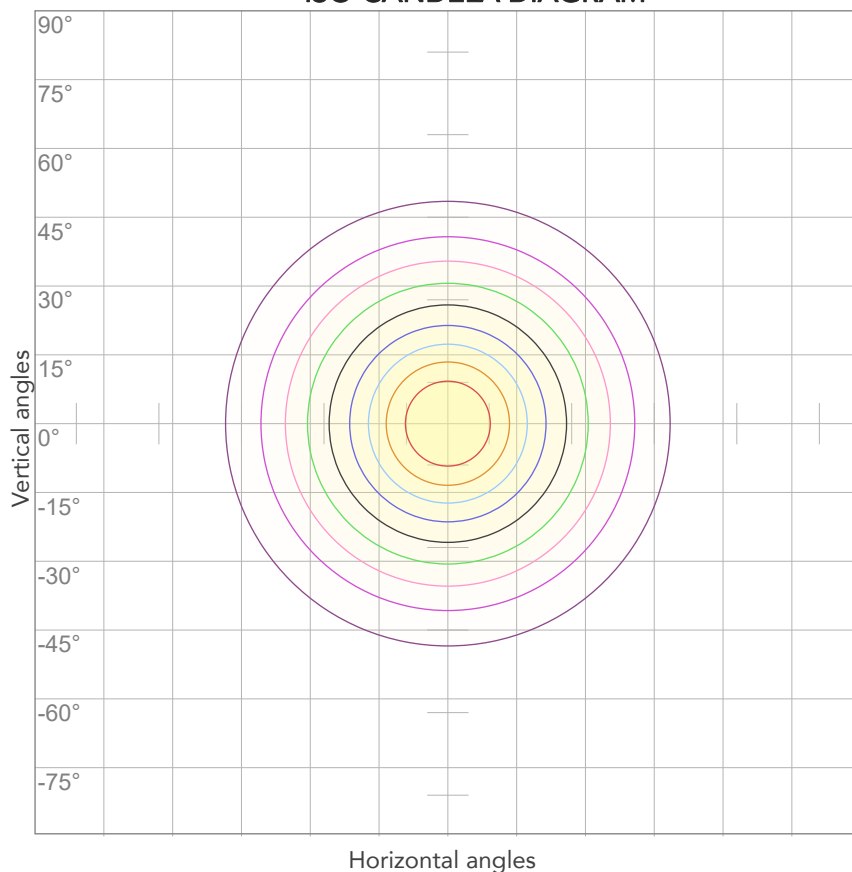


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,156A	27,7W	0,79	29lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



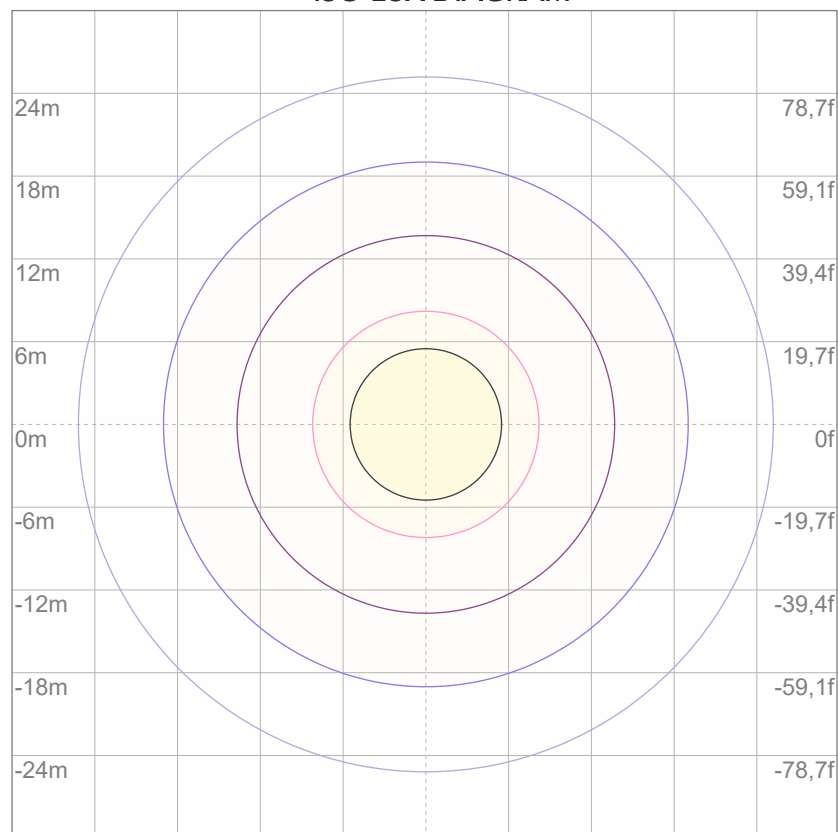
10%	70 cd
20%	141 cd
30%	211 cd
40%	281 cd
50%	352 cd
60%	422 cd
70%	492 cd
80%	563 cd

### Conditions:

Number of c-planes: 2

Candela at center: 704 cd

## ISO LUX DIAGRAM



3%	0,211 lx
5%	0,352 lx
10%	0,704 lx
30%	2,11 lx
50%	3,52 lx

### Conditions:

Number of c-planes: 2

Lux at center: 7,04 lx

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



Total lumen output:

1084 lm

Peak candela output:

2258 cd

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 10°x60° Filter

Target:

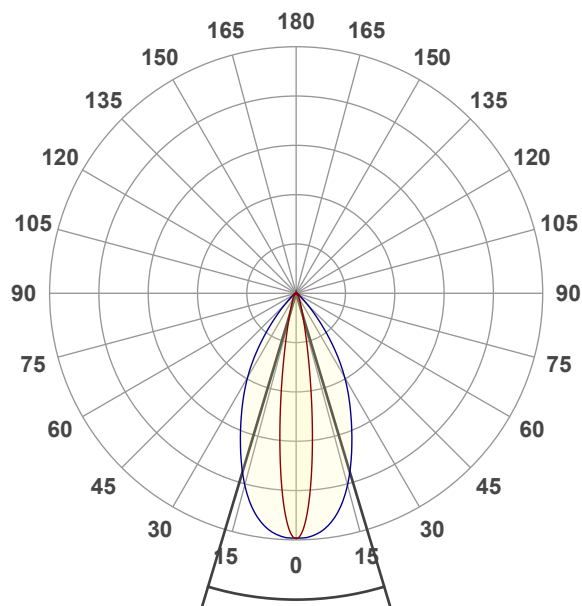
Red

Operator:

Salvatore Giglio

Date and time:

09/02/2024 10:34:27

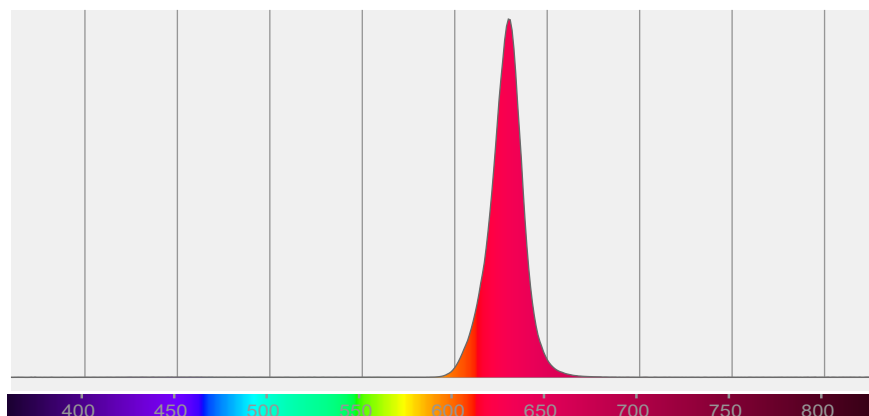


Beam angle 50%: 33,4°

Field angle 10%: 58,8°

Cut off angle 2.5%: 83,4°

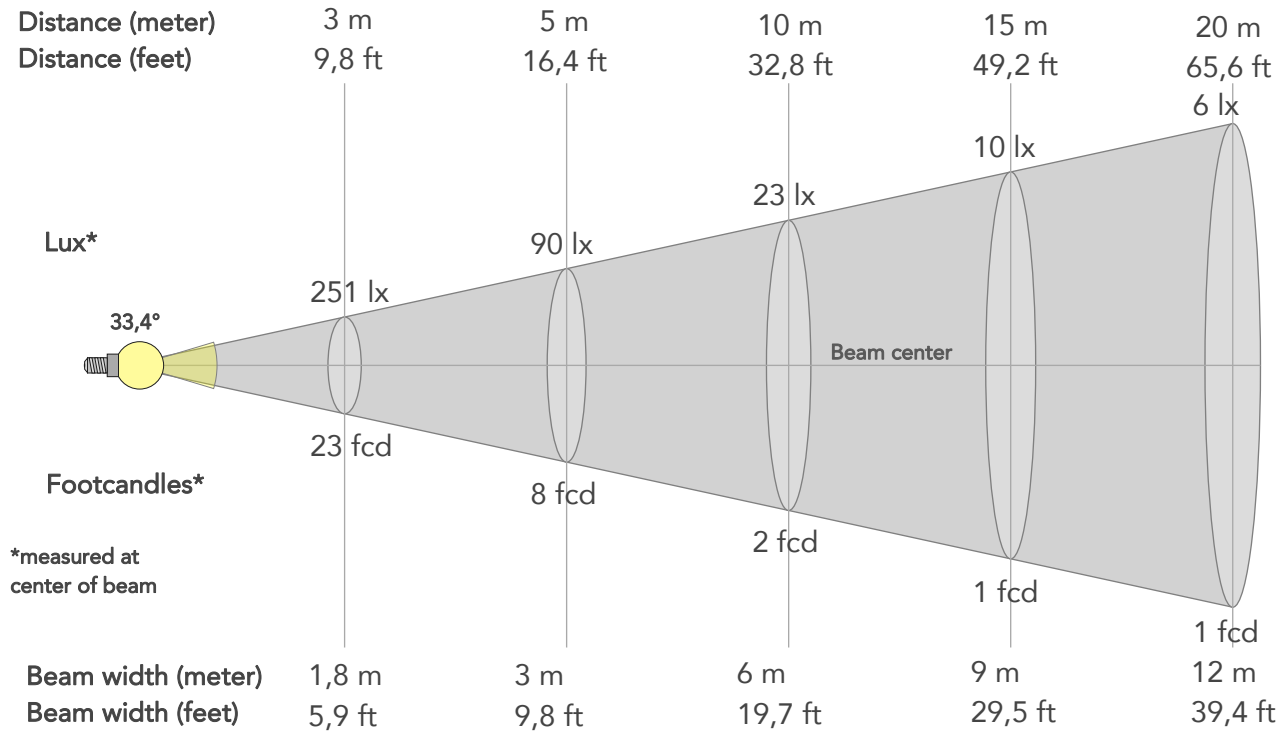
**Spectra**





# BEAM DETAILS

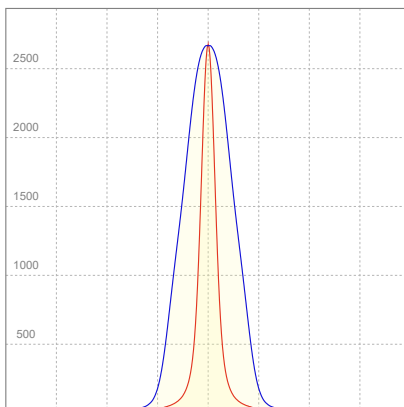
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,4°	58,8°	83,4°	97,2%	92,0%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2256lx	564lx	251lx	141lx	90lx	40lx	23lx	10lx	6lx	4lx	3lx	1lx	1lx
Footcand.	210fcd	52fcd	23fcd	13fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,8ft	14,8ft	19,7ft	29,5ft	39,4ft	49,2ft	59,1ft	78,8ft	98,5ft

## LINEAR DISTRIBUTION DIAGRAM

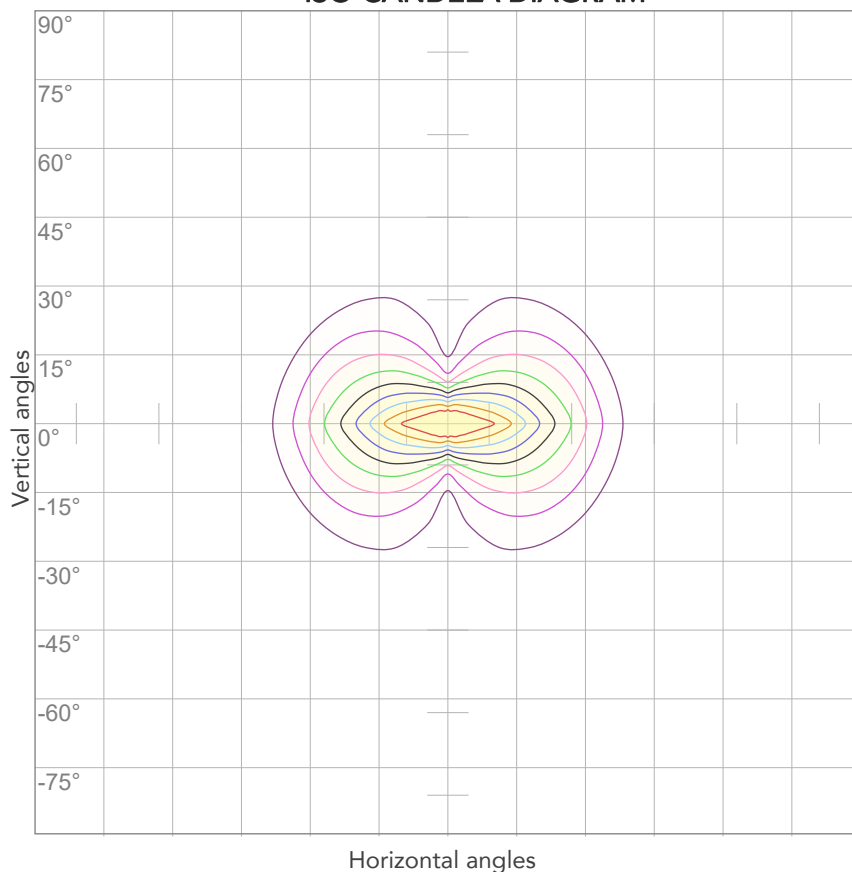


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,155A	27,4W	0,78	40lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



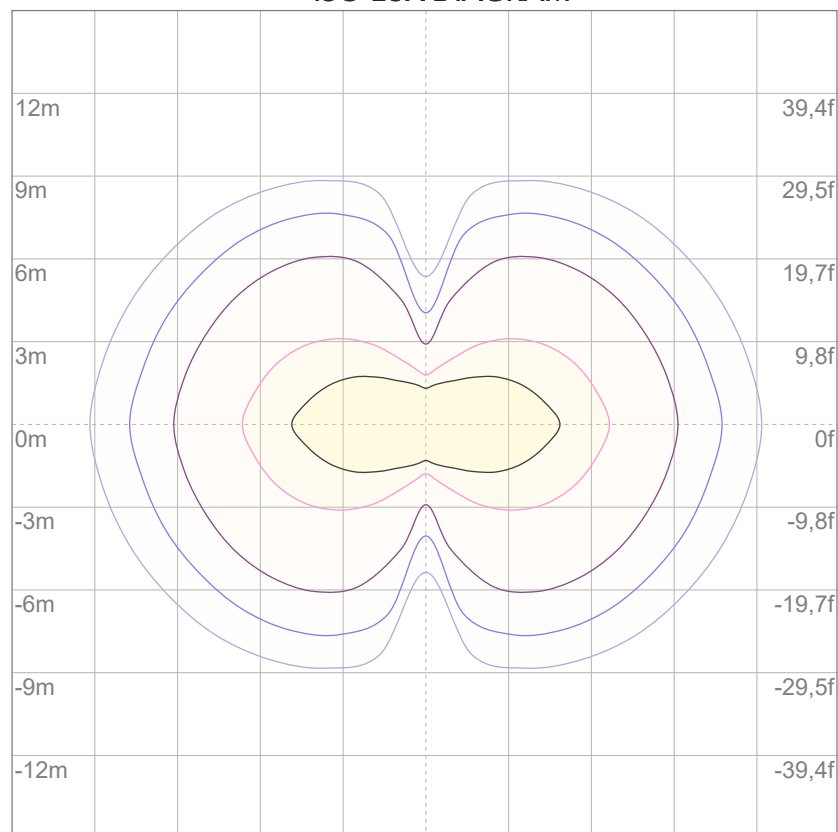
10%	226 cd
20%	451 cd
30%	677 cd
40%	903 cd
50%	1128 cd
60%	1354 cd
70%	1579 cd
80%	1805 cd

### Conditions:

Number of c-planes: 4

Candela at center: 2256 cd

## ISO LUX DIAGRAM



3%	0,677 lx
5%	1,13 lx
10%	2,26 lx
30%	6,77 lx
50%	11,3 lx

### Conditions:

Number of c-planes: 4

Lux at center: 22,6 lx

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



Total lumen output:

874 lm

Peak candela output:

1244 cd

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 30°x60° Filter

Target:

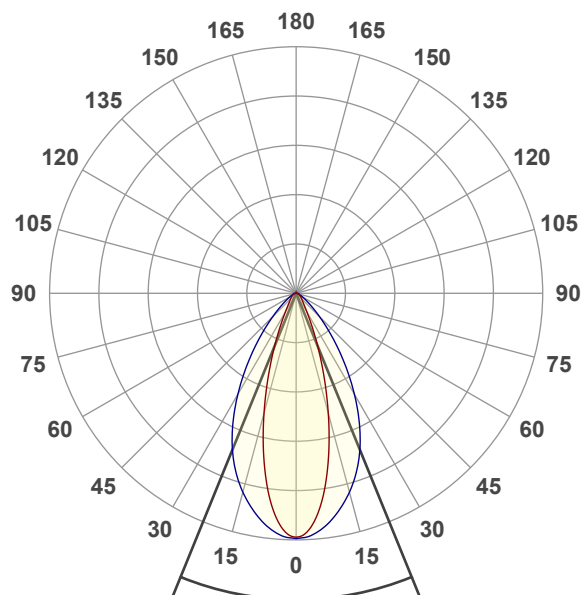
Red

Operator:

Salvatore Giglio

Date and time:

08/02/2024 18:14:49

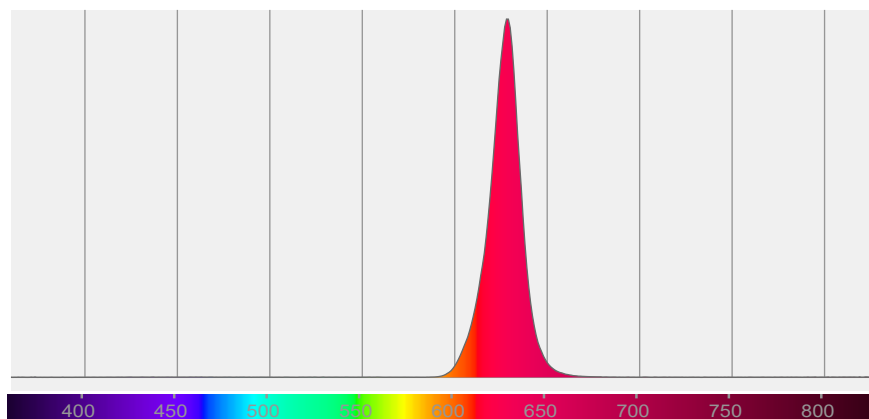


Beam angle 50%: 44,3°

Field angle 10%: 76,8°

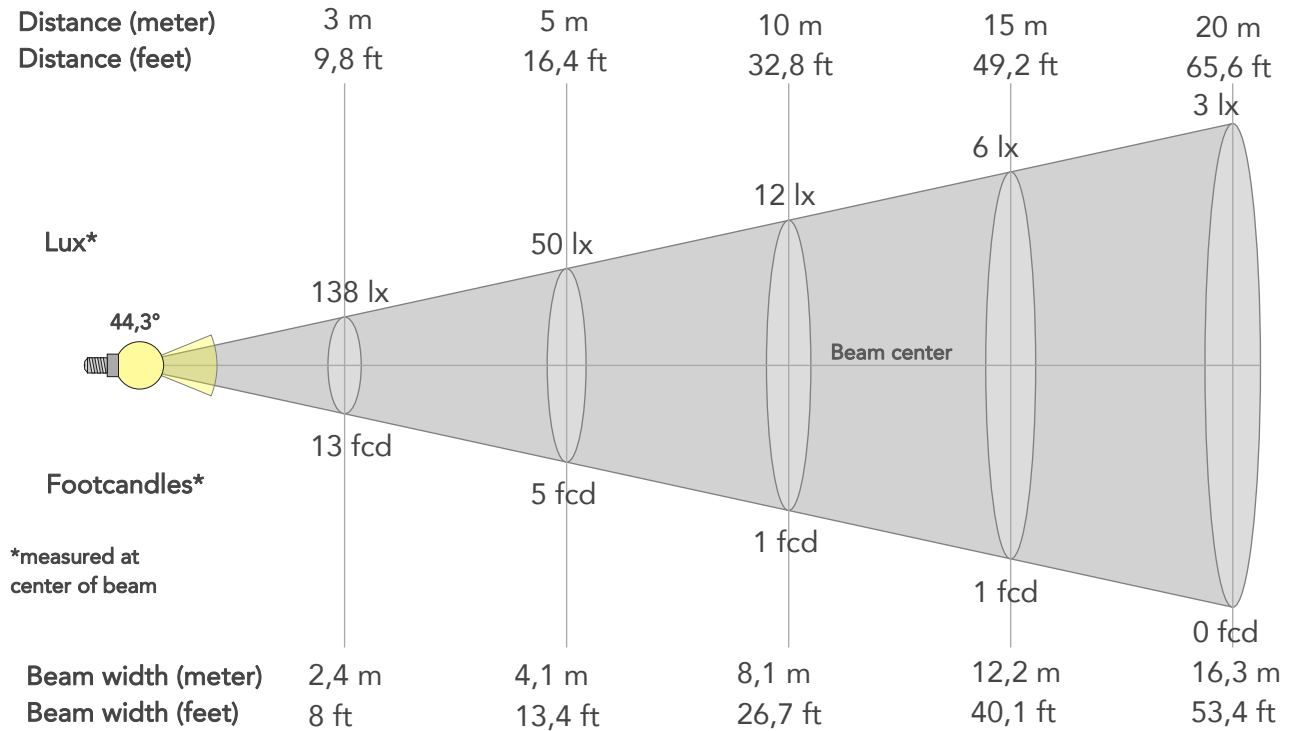
Cut off angle 2.5%: 113,3°

**Spectra**



# BEAM DETAILS

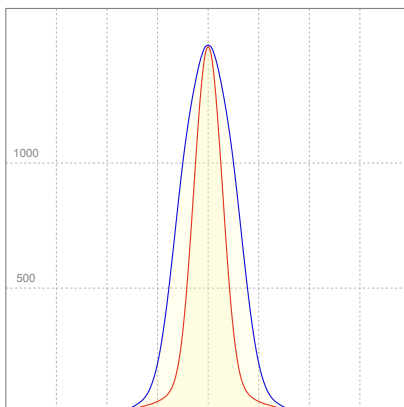
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,3°	76,8°	113,3°	95,8%	87,4%



## 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	1241lx	310lx	138lx	78lx	50lx	22lx	12lx	6lx	3lx	2lx	1lx	1lx	0lx
Footcand.	115fcd	29fcd	13fcd	7fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,3m	4,1m	6,1m	8,1m	12,2m	16,3m	20,4m	24,4m	32,6m	40,7m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,4ft	20ft	26,7ft	40,1ft	53,4ft	66,8ft	80,2ft	106,9ft	133,6ft

## LINEAR DISTRIBUTION DIAGRAM

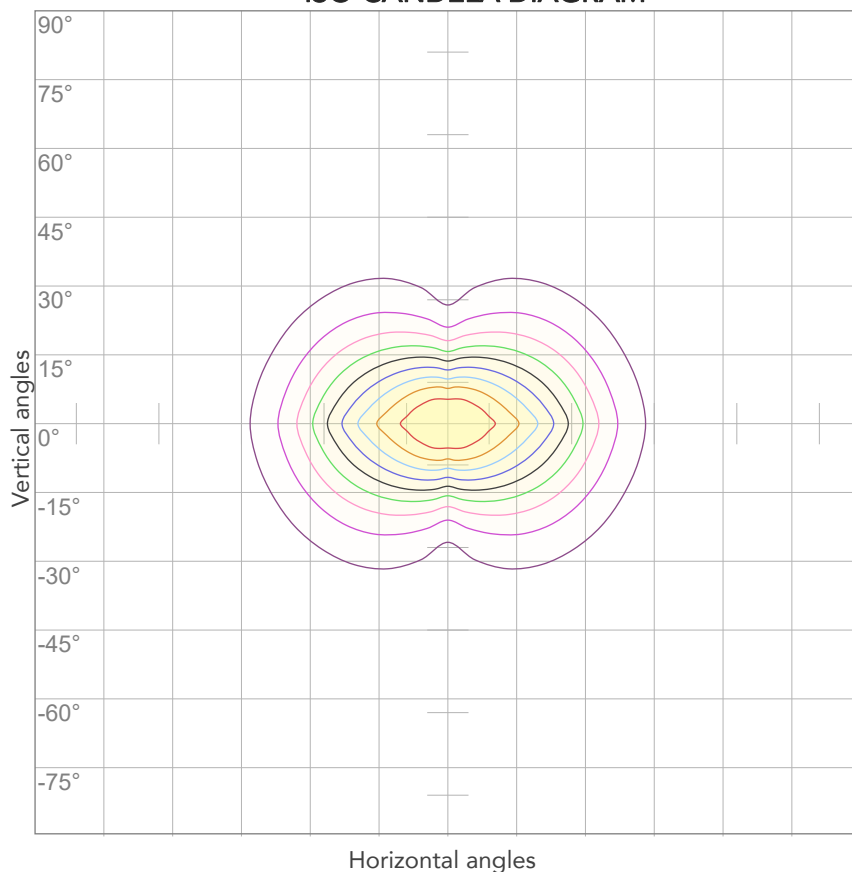


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,155A	27,6W	0,79	32lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



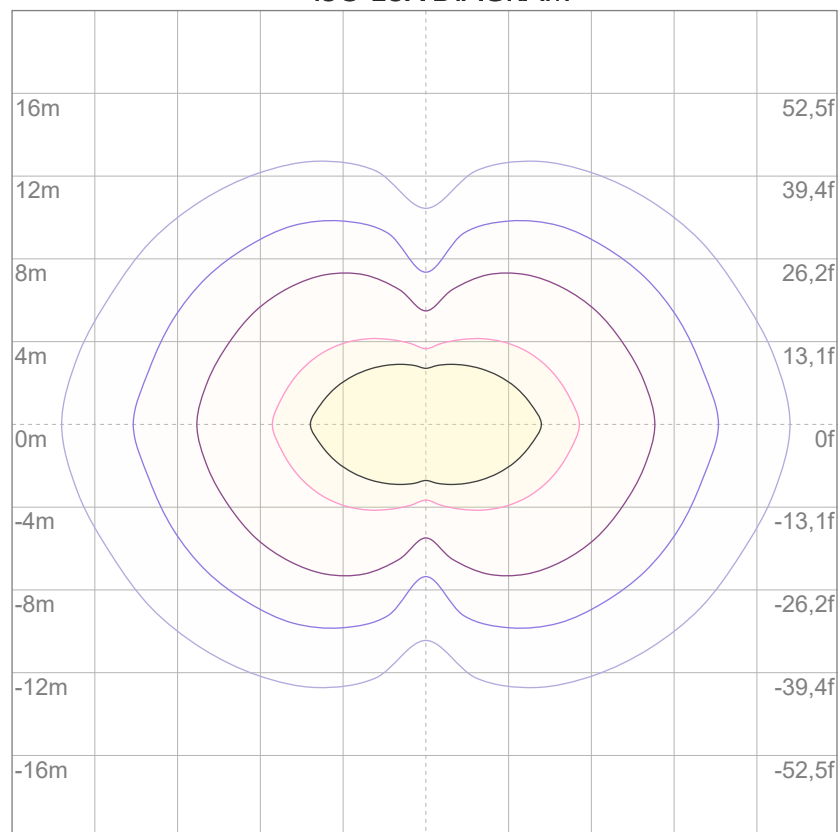
10%	124 cd
20%	248 cd
30%	372 cd
40%	496 cd
50%	621 cd
60%	745 cd
70%	869 cd
80%	993 cd

### Conditions:

Number of c-planes: 4

Candela at center: 1241 cd

## ISO LUX DIAGRAM



3%	0,372 lx
5%	0,621 lx
10%	1,24 lx
30%	3,72 lx
50%	6,21 lx

### Conditions:

Number of c-planes: 4

Lux at center: 12,4 lx

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



Total lumen output:

2305 lm

Peak candela output:

46662 cd

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10°

Target:

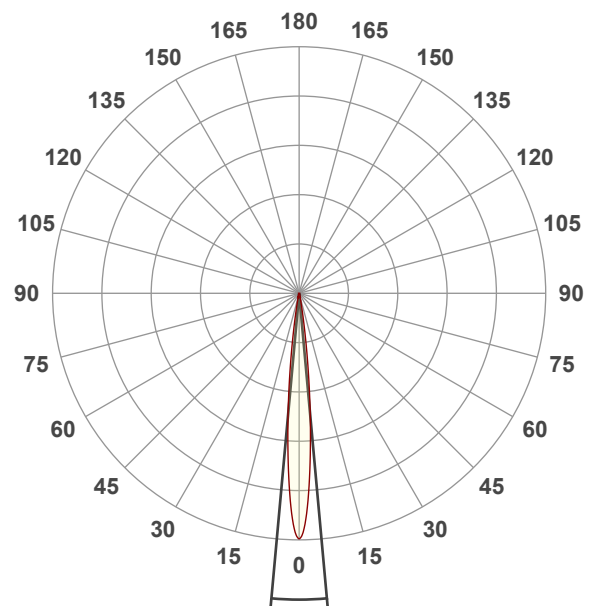
Green

Operator:

Salvatore Giglio

Date and time:

08/02/2024 17:07:22

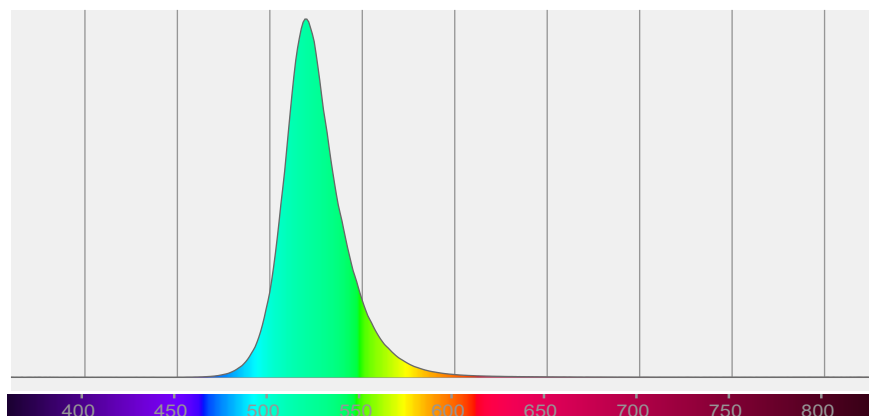


Beam angle 50%: 10,4°

Field angle 10%: 18,7°

Cut off angle 2.5%: 25,2°

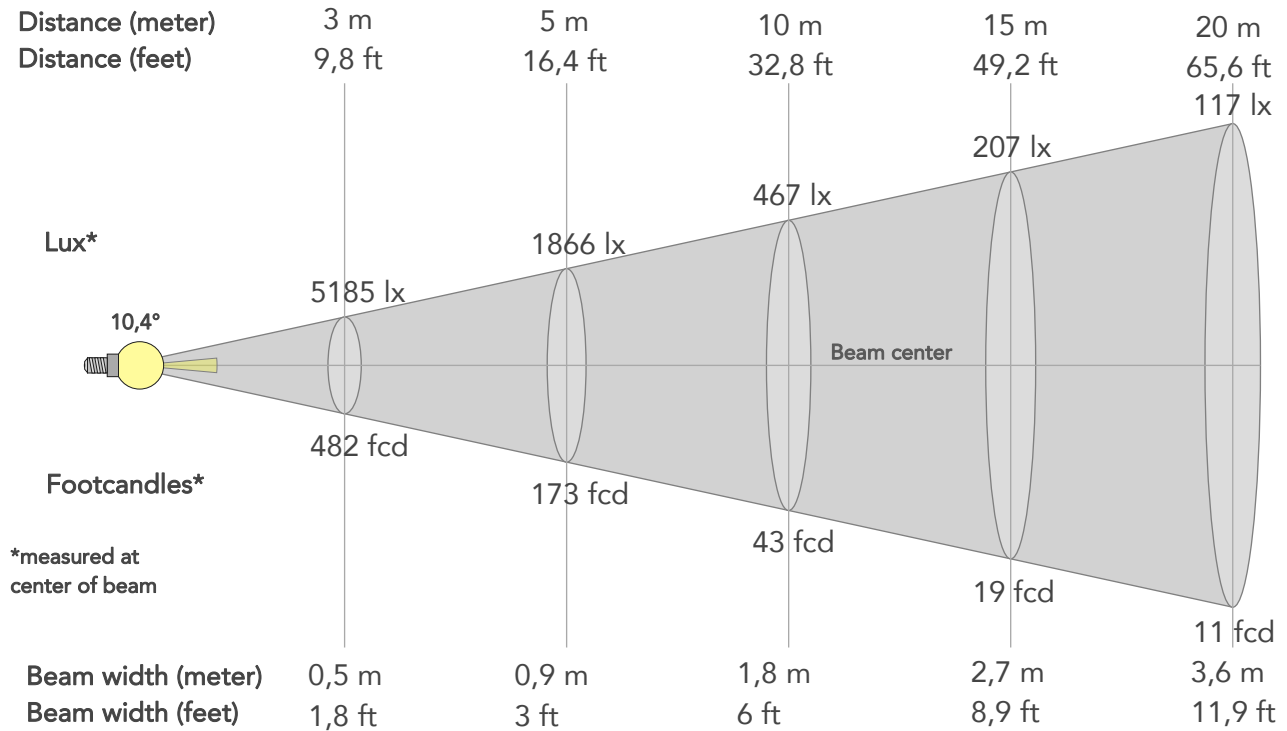
**Spectra**



# BEAM DETAILS



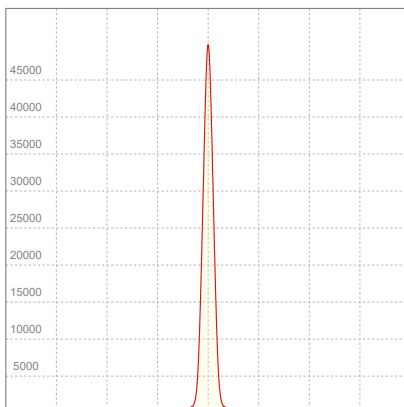
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,4°	18,7°	25,2°	95,6%	92,2%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	46662lx	11665lx	5185lx	2916lx	1866lx	830lx	467lx	207lx	117lx	75lx	52lx	29lx	19lx
Footcand.	4335fcd	1084fcd	482fcd	271fcd	173fcd	77fcd	43fcd	19fcd	11fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,4m	1,8m	2,7m	3,6m	4,5m	5,5m	7,3m	9,1m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	6ft	8,9ft	11,9ft	14,9ft	17,9ft	23,9ft	29,8ft

## LINEAR DISTRIBUTION DIAGRAM

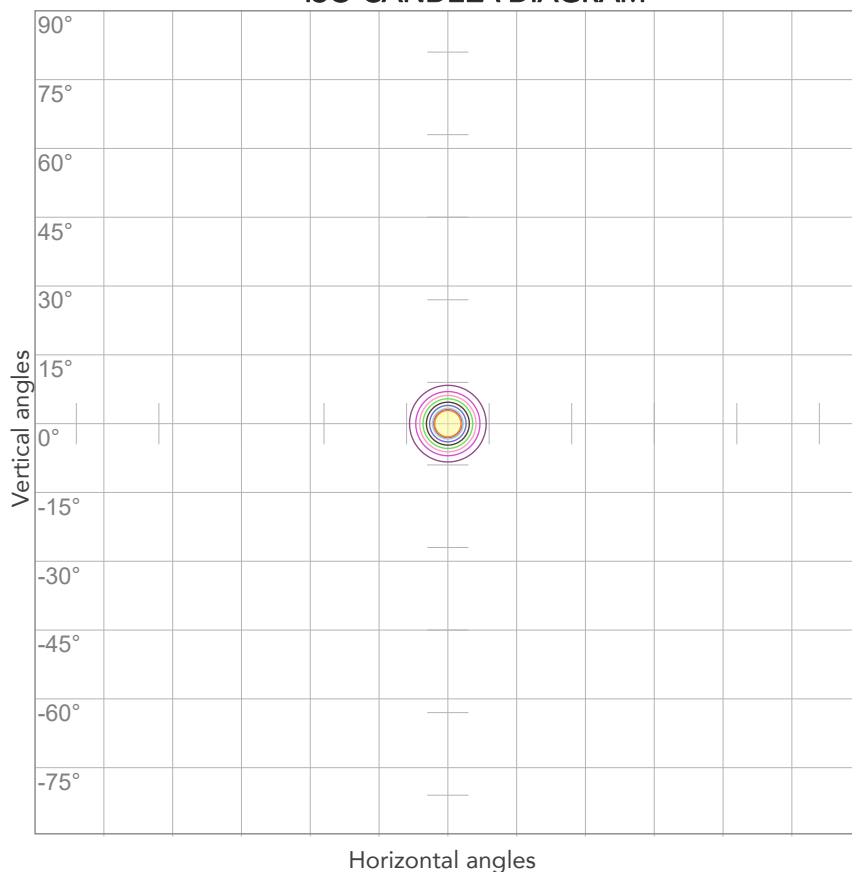


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,182A	34,0W	0,83	68lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



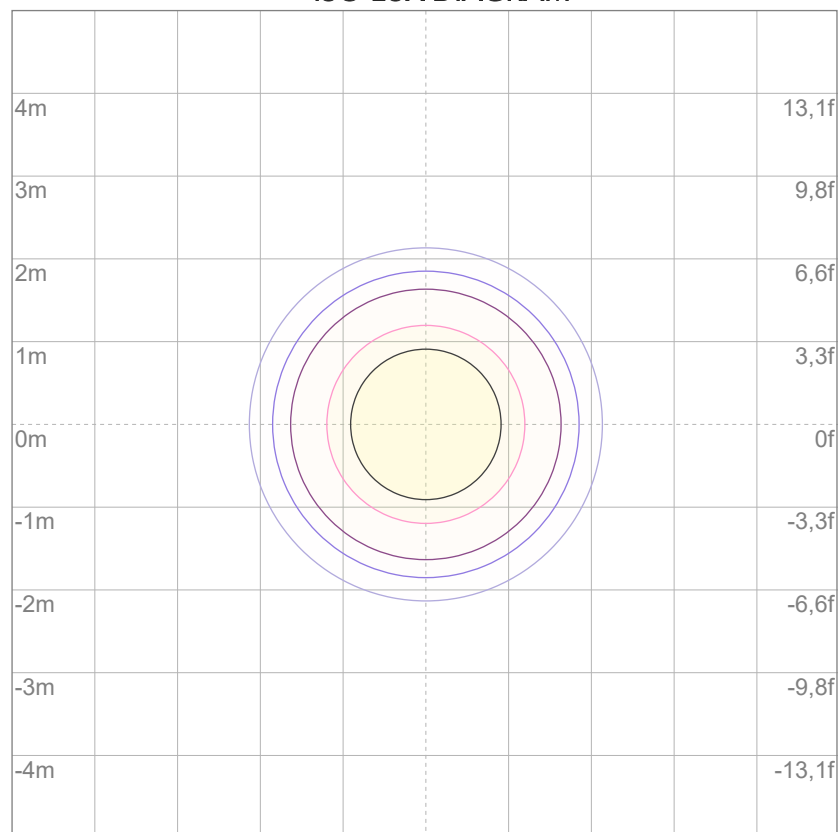
10%	4666 cd
20%	9332 cd
30%	13999 cd
40%	18665 cd
50%	23331 cd
60%	27997 cd
70%	32663 cd
80%	37329 cd

### Conditions:

Number of c-planes: 2

Candela at center: 46662 cd

## ISO LUX DIAGRAM



3%	14,0 lx
5%	23,3 lx
10%	46,7 lx
30%	140 lx
50%	233 lx

### Conditions:

Number of c-planes: 2

Lux at center: 467 lx

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





Total lumen output:

1841 lm

Peak candela output:

7625 cd

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 20° Filter

Target:

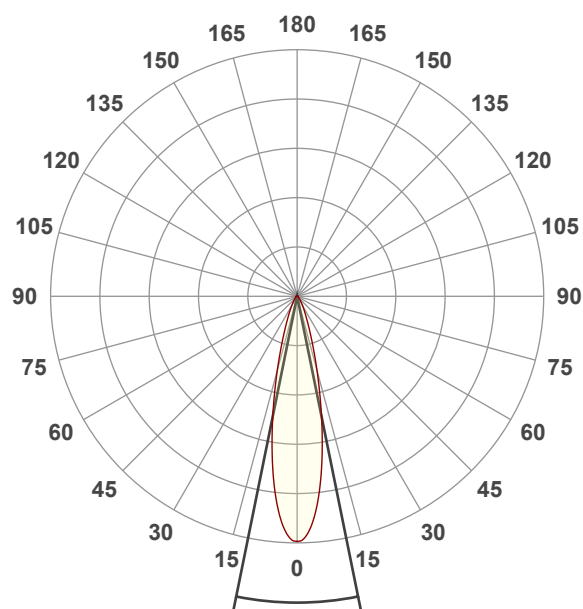
Green

Operator:

Salvatore Giglio

Date and time:

08/02/2024 17:45:21

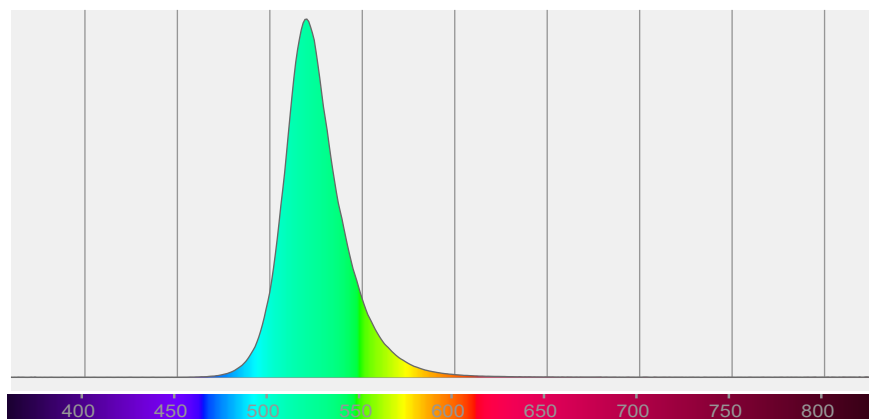


Beam angle 50%: 22,9°

Field angle 10%: 45,9°

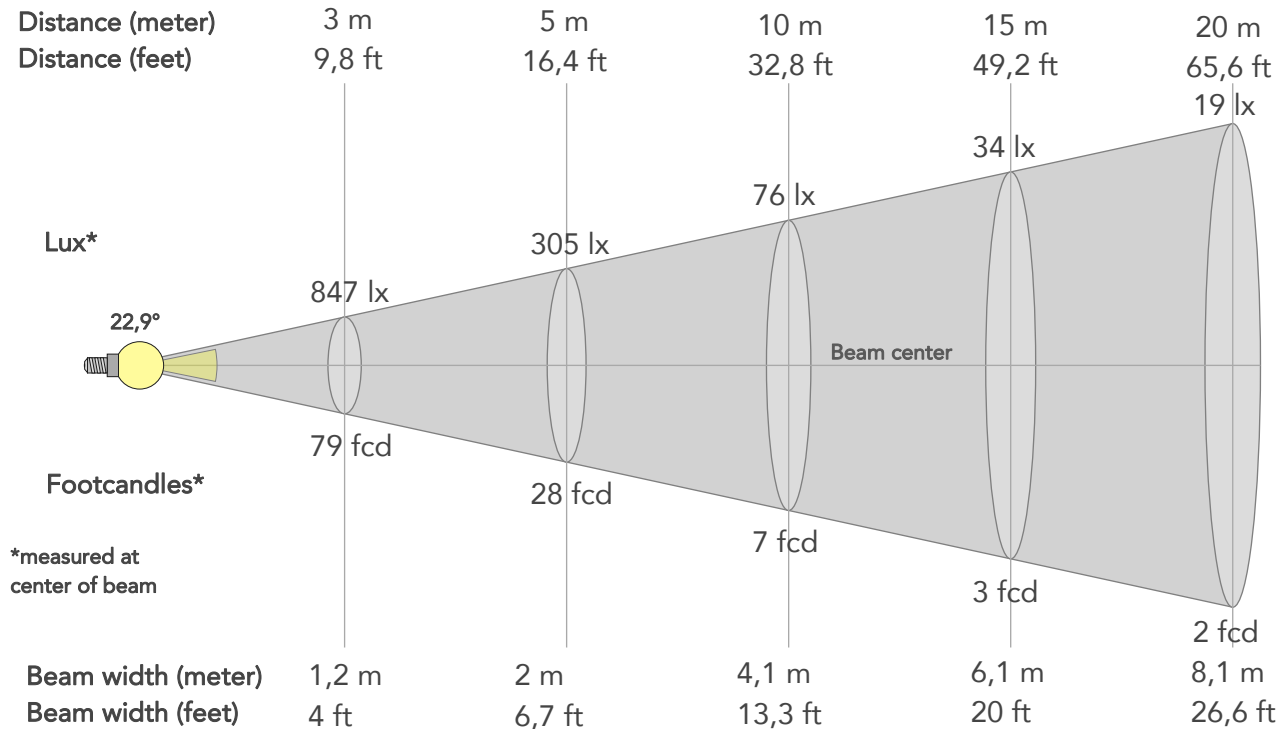
Cut off angle 2.5%: 71,9°

**Spectra**



# BEAM DETAILS

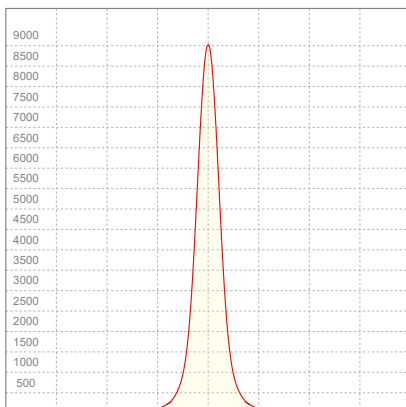
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22,9°	45,9°	71,9°	96,7%	92,1%



## 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	7625lx	1906lx	847lx	477lx	305lx	136lx	76lx	34lx	19lx	12lx	8lx	5lx	3lx
Footcand.	708fcd	177fcd	79fcd	44fcd	28fcd	13fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3m	4,1m	6,1m	8,1m	10,1m	12,2m	16,2m	20,3m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,7ft	10ft	13,3ft	20ft	26,6ft	33,3ft	39,9ft	53,3ft	66,6ft

## LINEAR DISTRIBUTION DIAGRAM

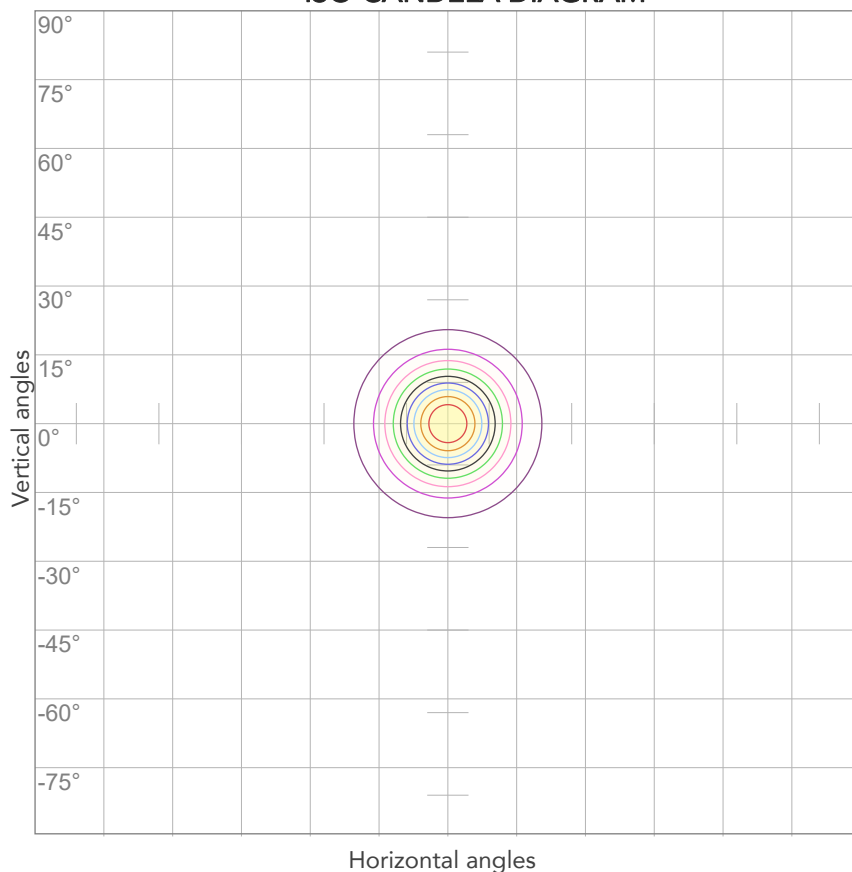


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
223V	0,183A	33,9W	0,83	54lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



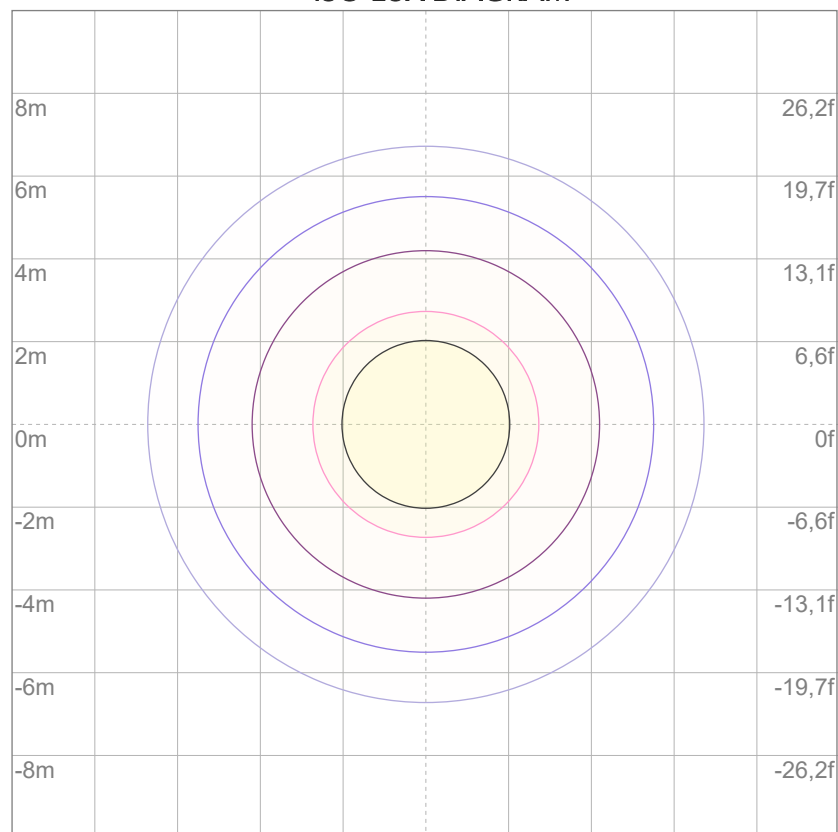
10%	763 cd
20%	1525 cd
30%	2288 cd
40%	3050 cd
50%	3813 cd
60%	4575 cd
70%	5338 cd
80%	6100 cd

### Conditions:

Number of c-planes: 2

Candela at center: 7625 cd

## ISO LUX DIAGRAM



3%	2,29 lx
5%	3,81 lx
10%	7,63 lx
30%	22,9 lx
50%	38,1 lx

### Conditions:

Number of c-planes: 2

Lux at center: 76,3 lx

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



Total lumen output:

1834 lm

Peak candela output:

2437 cd

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 40° Filter

Target:

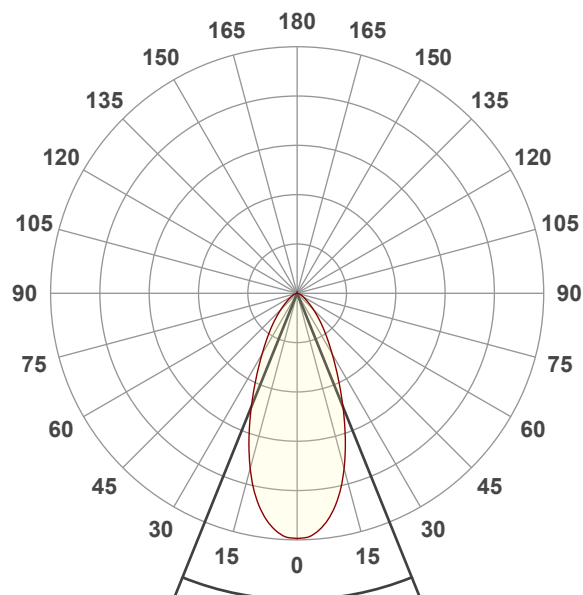
Green

Operator:

Salvatore Giglio

Date and time:

09/02/2024 09:14:59

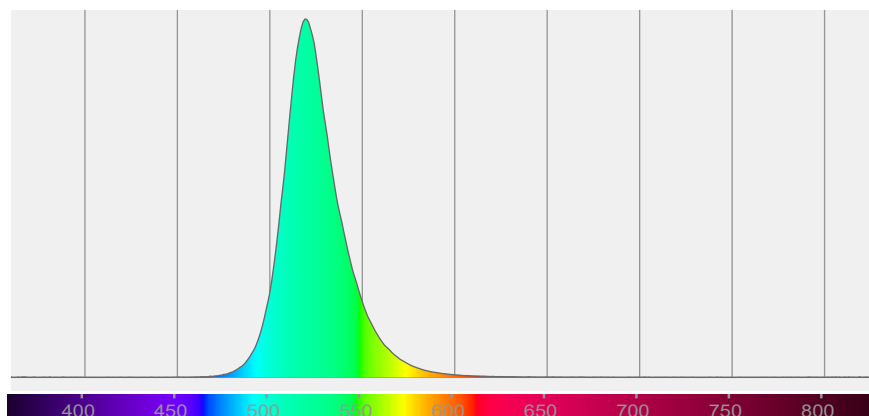


Beam angle 50%: 44°

Field angle 10%: 88,6°

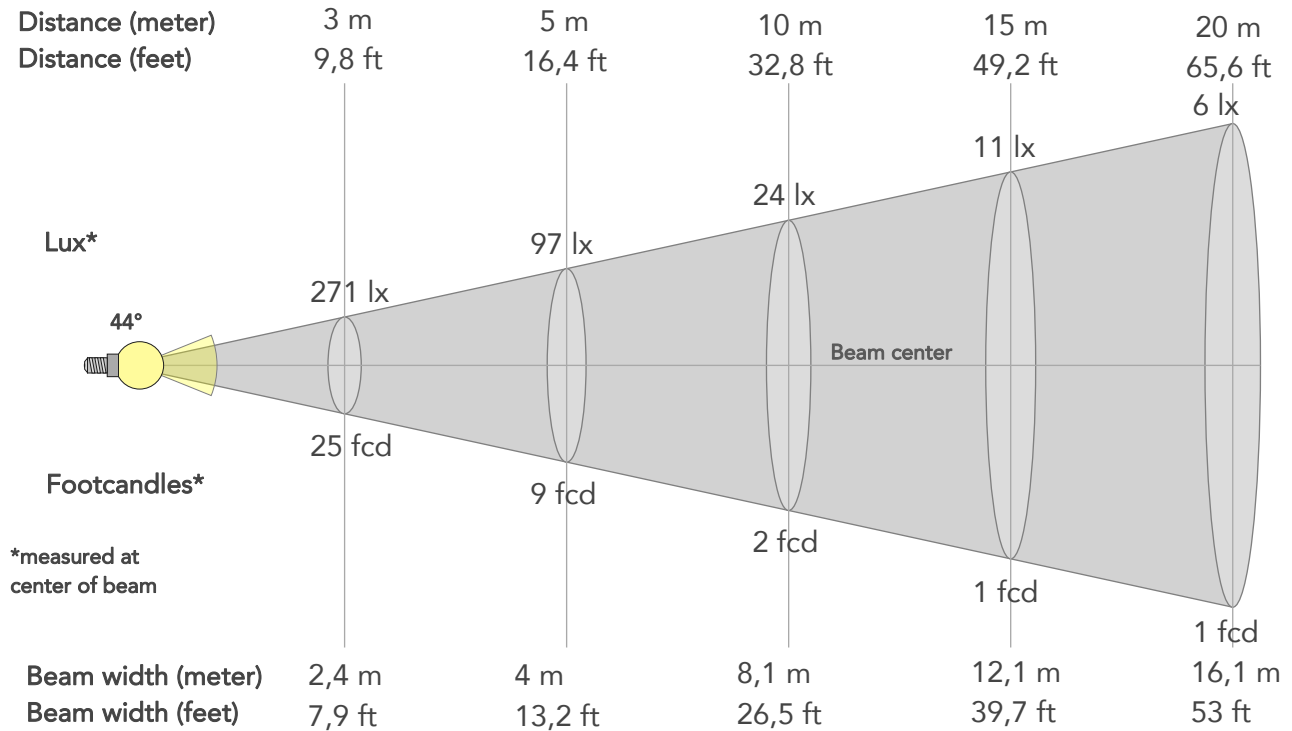
Cut off angle 2.5%: 123,8°

**Spectra**



# BEAM DETAILS

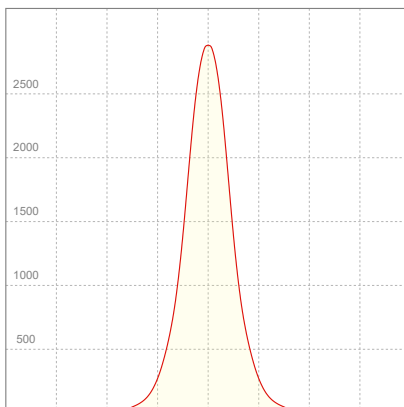
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44°	88,6°	123,8°	95,7%	86,5%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2437lx	609lx	271lx	152lx	97lx	43lx	24lx	11lx	6lx	4lx	3lx	2lx	1lx
Footcand.	226fcd	57fcd	25fcd	14fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,2m	4m	6,1m	8,1m	12,1m	16,1m	20,2m	24,2m	32,3m	40,4m
Beam wid.	2,7ft	5,3ft	7,9ft	10,6ft	13,2ft	19,9ft	26,5ft	39,7ft	53ft	66,2ft	79,4ft	105,9ft	132,4ft

## LINEAR DISTRIBUTION DIAGRAM

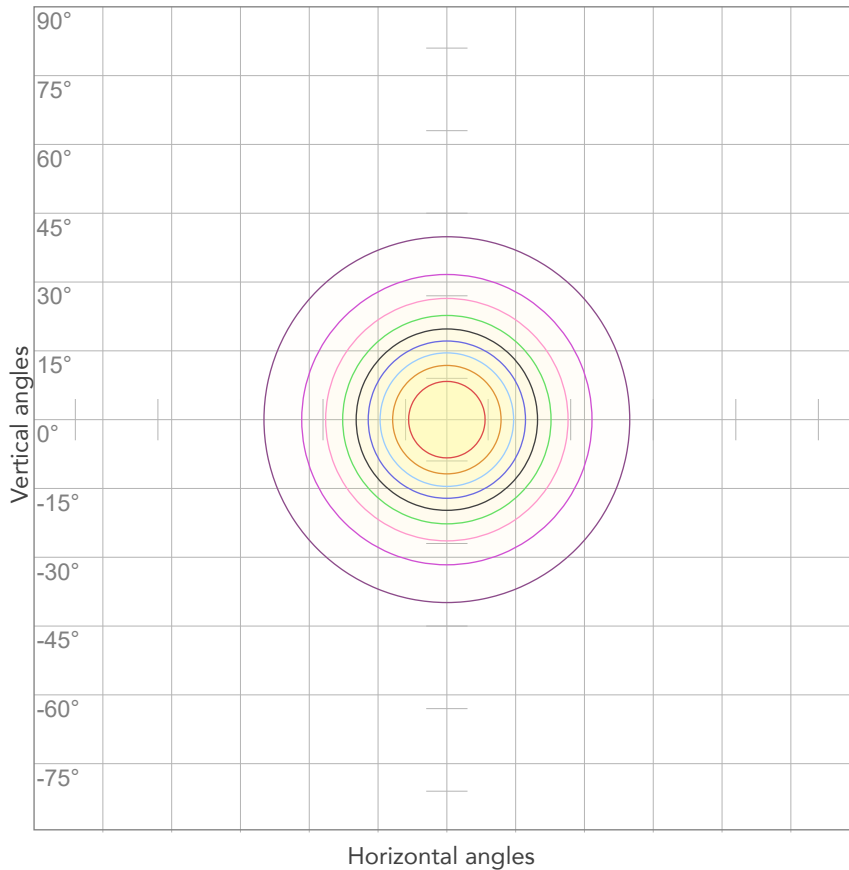


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,184A	34,1W	0,82	54lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



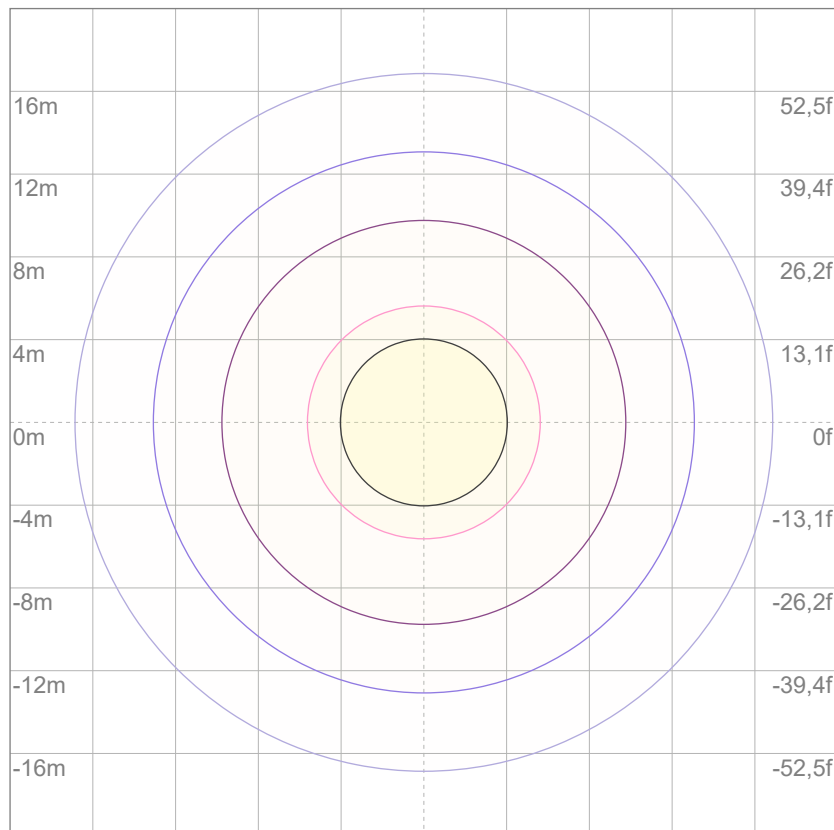
10%	244 cd
20%	487 cd
30%	731 cd
40%	975 cd
50%	1219 cd
60%	1462 cd
70%	1706 cd
80%	1950 cd

### Conditions:

Number of c-planes: 2

Candela at center: 2437 cd

## ISO LUX DIAGRAM



3%	0,731 lx
5%	1,22 lx
10%	2,44 lx
30%	7,31 lx
50%	12,2 lx

### Conditions:

Number of c-planes: 2

Lux at center: 24,4 lx

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



Total lumen output:

1831 lm

Peak candela output:

1619 cd

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 60° Filter

Target:

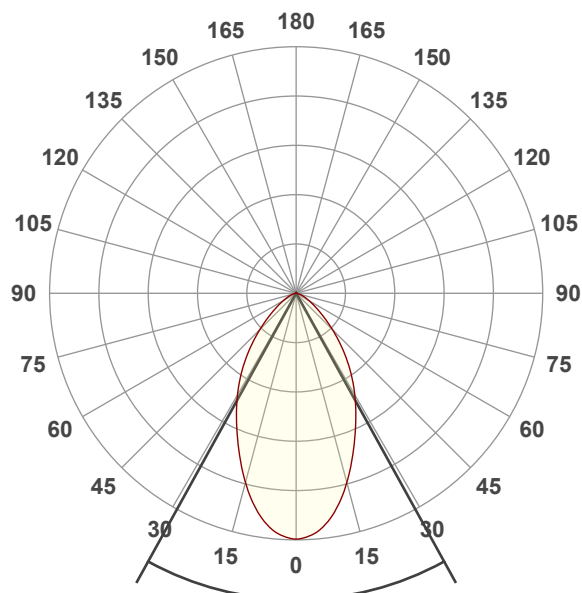
Green

Operator:

Salvatore Giglio

Date and time:

09/02/2024 09:52:17

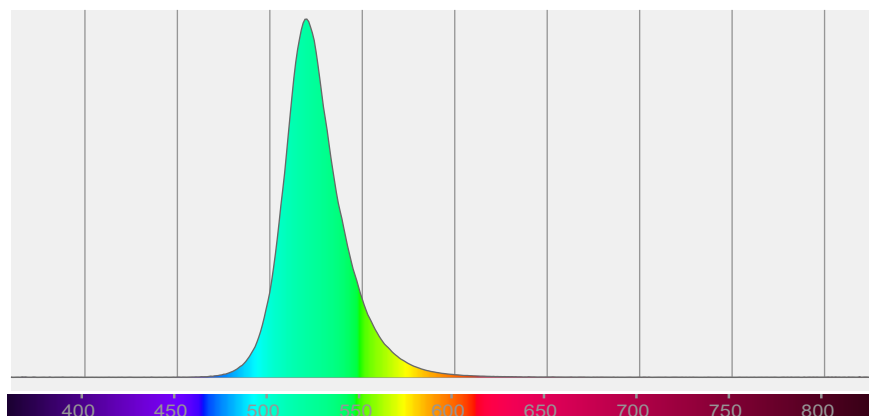


Beam angle 50%: 57,8°

Field angle 10%: 108,6°

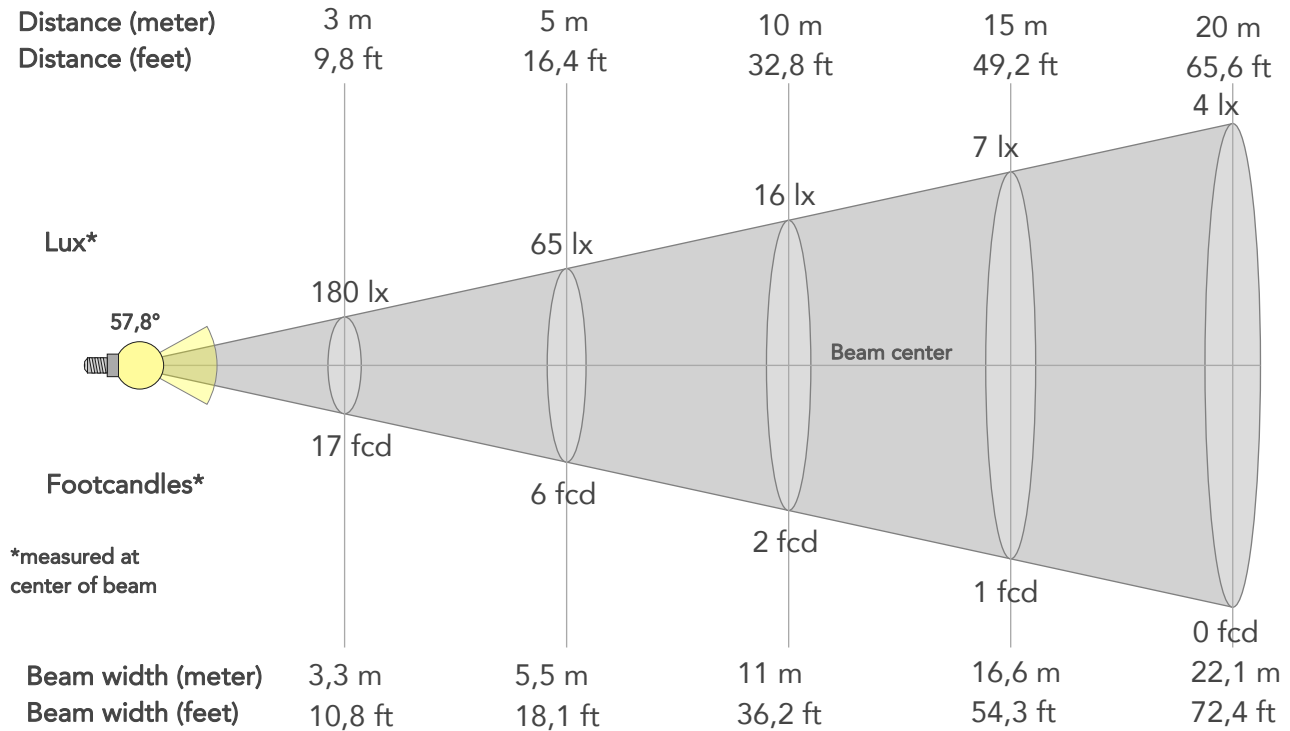
Cut off angle 2.5%: 140,5°

**Spectra**



# BEAM DETAILS

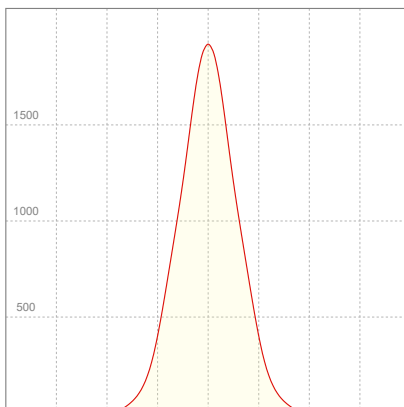
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,8°	108,6°	140,5°	94,3%	80,5%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1619lx	405lx	180lx	101lx	65lx	29lx	16lx	7lx	4lx	3lx	2lx	1lx	1lx
Footcand.	150fcd	38fcd	17fcd	9fcd	6fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,3m	11m	16,6m	22,1m	27,6m	33,1m	44,1m	55,2m
Beam wid.	3,6ft	7,3ft	10,8ft	14,5ft	18,1ft	27,1ft	36,2ft	54,3ft	72,4ft	90,5ft	108,6ft	144,8ft	181ft

## LINEAR DISTRIBUTION DIAGRAM



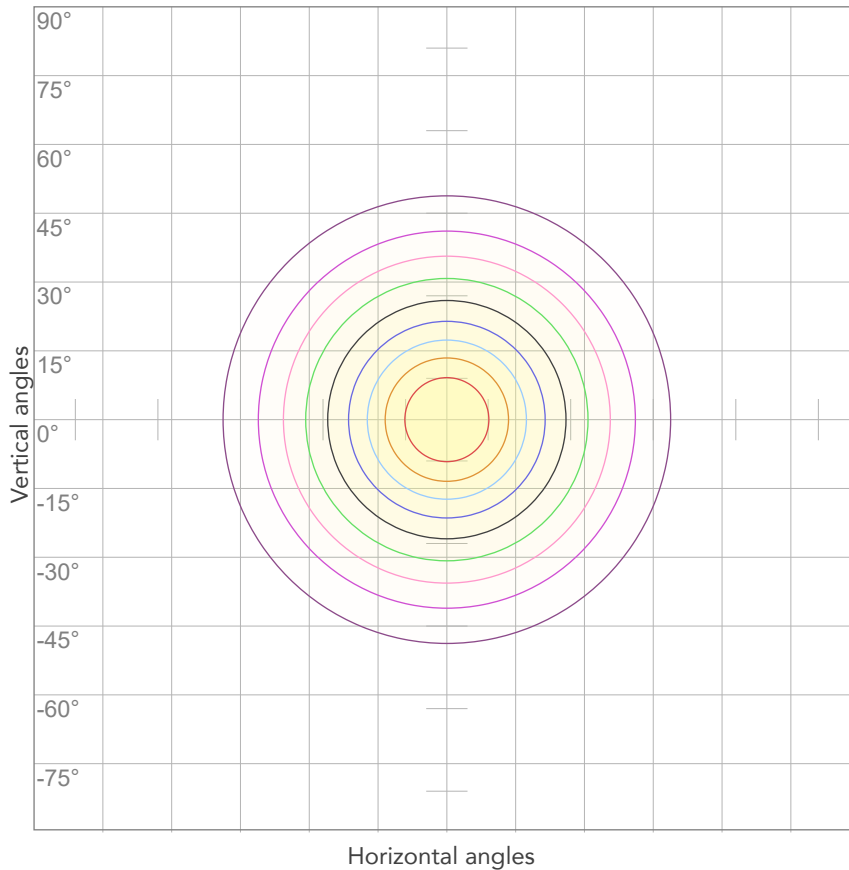
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,183A	33,8W	0,82	54lm/W



# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



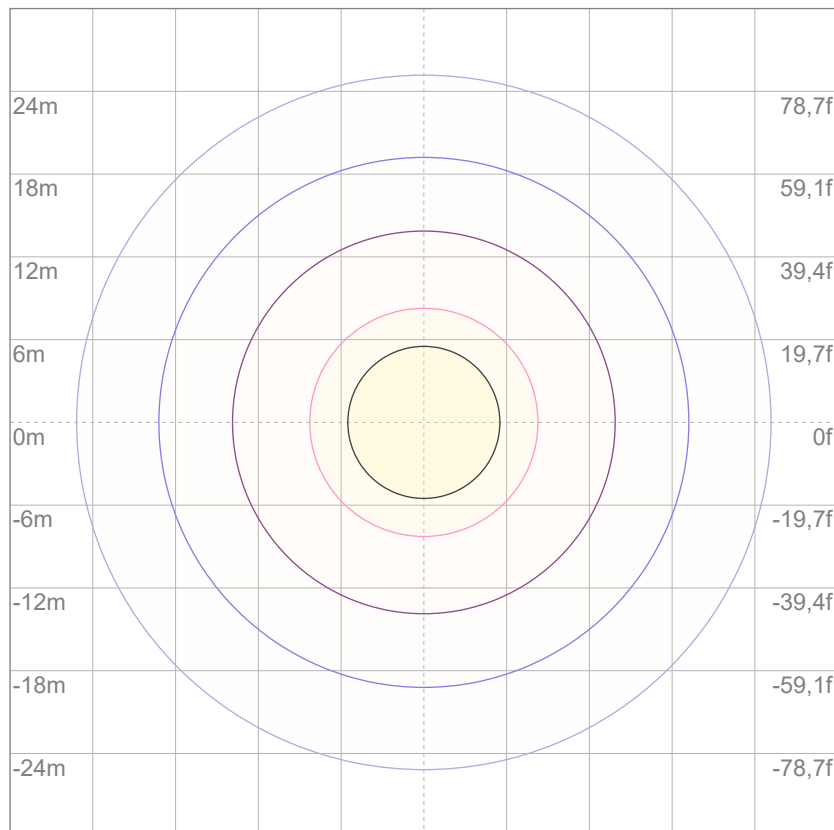
10%	162 cd
20%	324 cd
30%	486 cd
40%	648 cd
50%	810 cd
60%	972 cd
70%	1133 cd
80%	1295 cd

### Conditions:

Number of c-planes: 2

Candela at center: 1619 cd

## ISO LUX DIAGRAM



3%	0,486 lx
5%	0,810 lx
10%	1,62 lx
30%	4,86 lx
50%	8,10 lx

### Conditions:

Number of c-planes: 2

Lux at center: 16,2 lx

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



Total lumen output:

2691 lm

Peak candela output:

5610 cd

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 10°x60° Filter

Target:

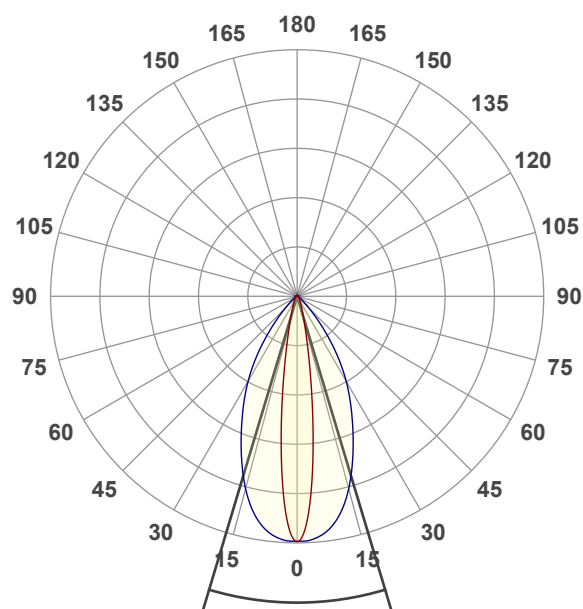
Green

Operator:

Salvatore Giglio

Date and time:

09/02/2024 10:37:57

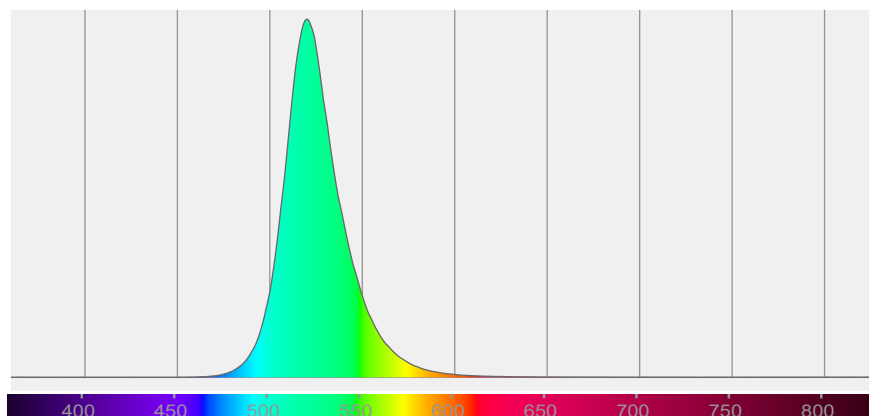


Beam angle 50%: 33,4°

Field angle 10%: 58,7°

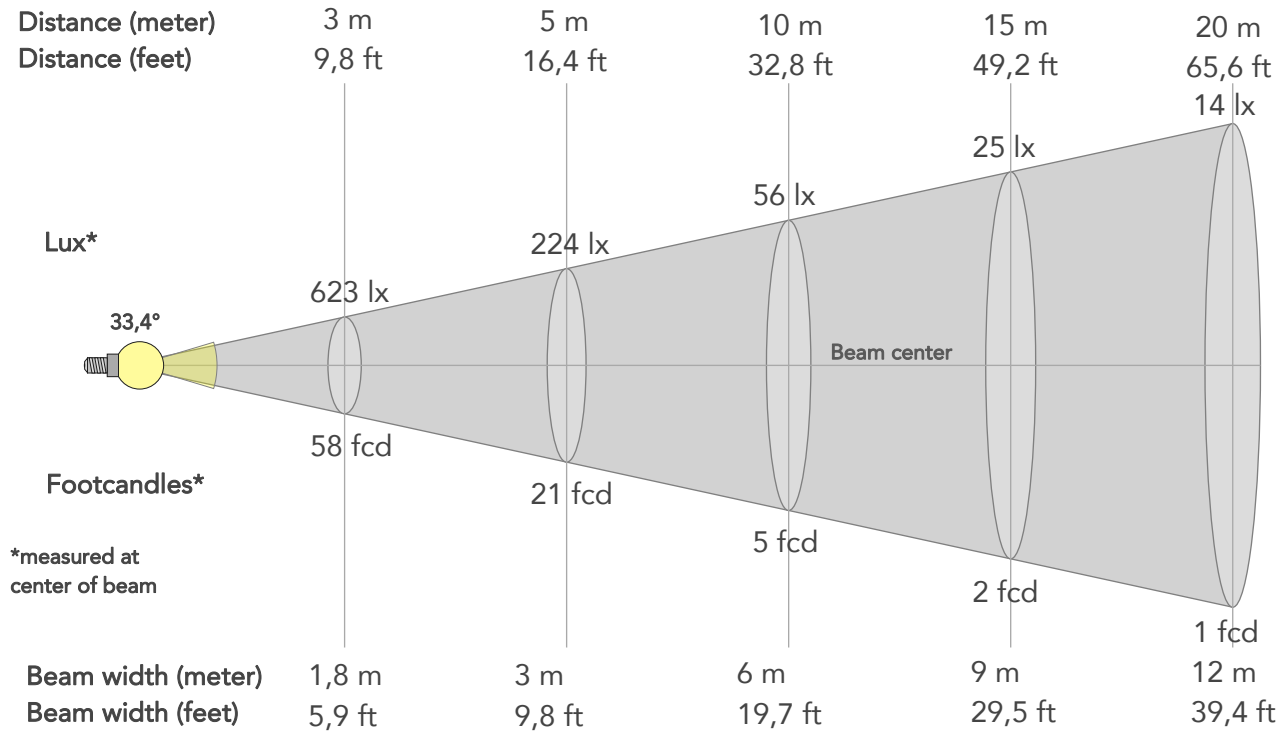
Cut off angle 2.5%: 83°

**Spectra**



# BEAM DETAILS

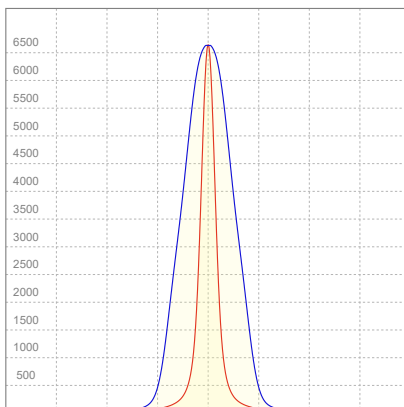
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,4°	58,7°	83°	97,7%	92,5%



## 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	5608lx	1402lx	623lx	351lx	224lx	100lx	56lx	25lx	14lx	9lx	6lx	4lx	2lx
Footcand.	521fcd	130fcd	58fcd	33fcd	21fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,8ft	14,8ft	19,7ft	29,5ft	39,4ft	49,2ft	59ft	78,7ft	98,4ft

## LINEAR DISTRIBUTION DIAGRAM

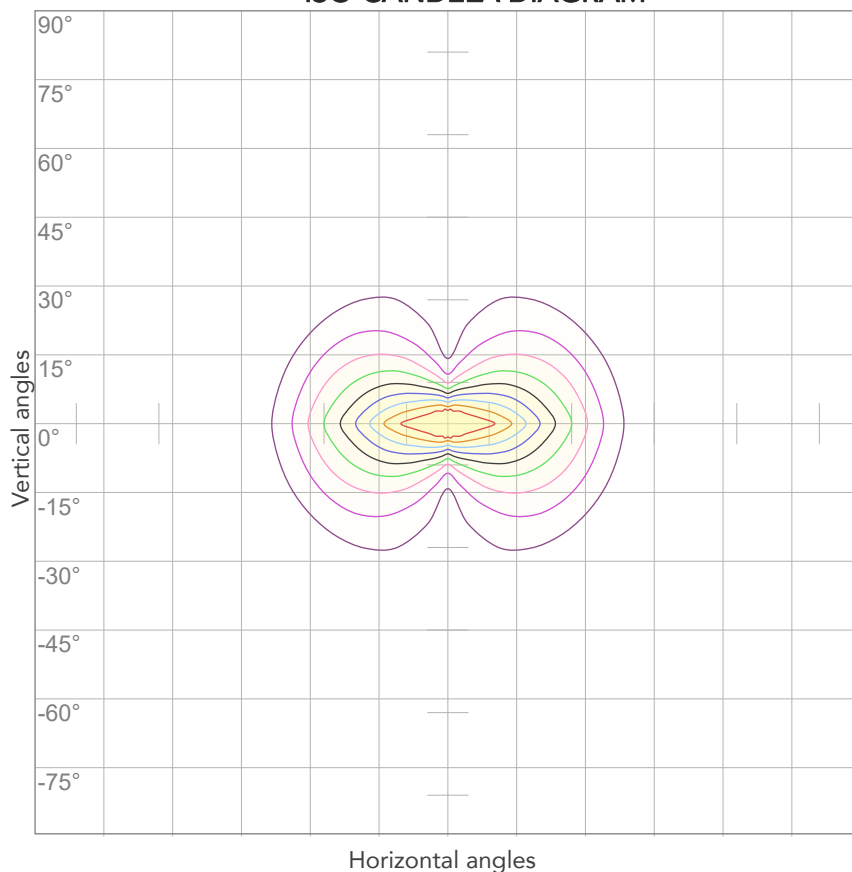


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,181A	33,4W	0,82	81lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



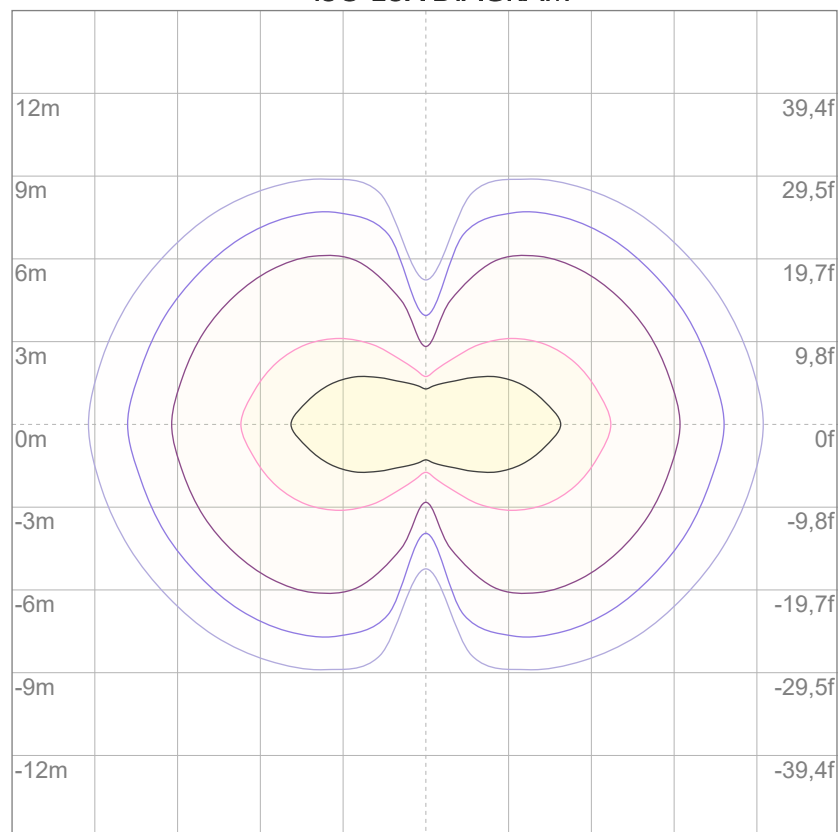
10%	561 cd
20%	1122 cd
30%	1682 cd
40%	2243 cd
50%	2804 cd
60%	3365 cd
70%	3926 cd
80%	4487 cd

### Conditions:

Number of c-planes: 4

Candela at center: 5608 cd

## ISO LUX DIAGRAM



3%	1,68 lx
5%	2,80 lx
10%	5,61 lx
30%	16,8 lx
50%	28,0 lx

### Conditions:

Number of c-planes: 4

Lux at center: 56,1 lx

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



Total lumen output:

2038 lm

Peak candela output:

2883 cd

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 30°x60° Filter

Target:

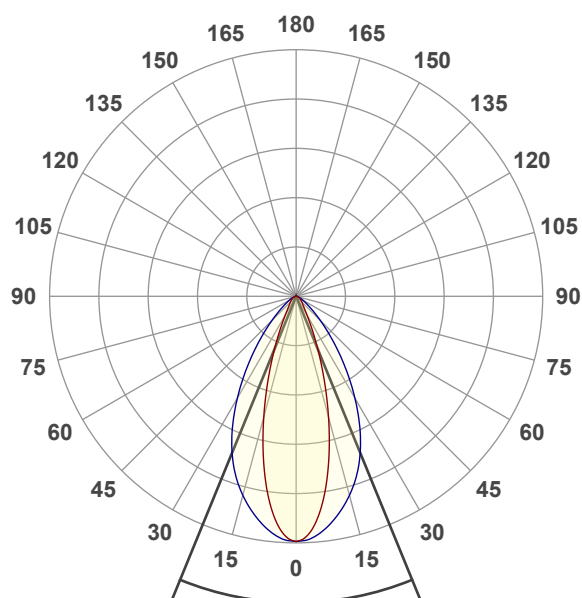
Green

Operator:

Salvatore Giglio

Date and time:

08/02/2024 18:17:36

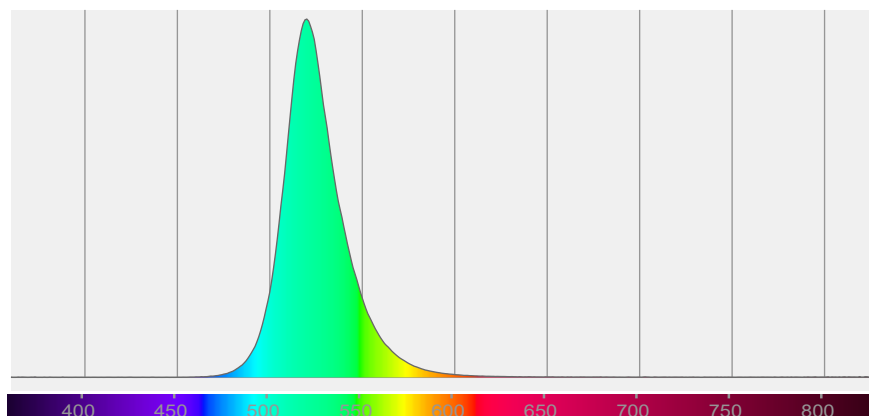


Beam angle 50%: 44,5°

Field angle 10%: 77,3°

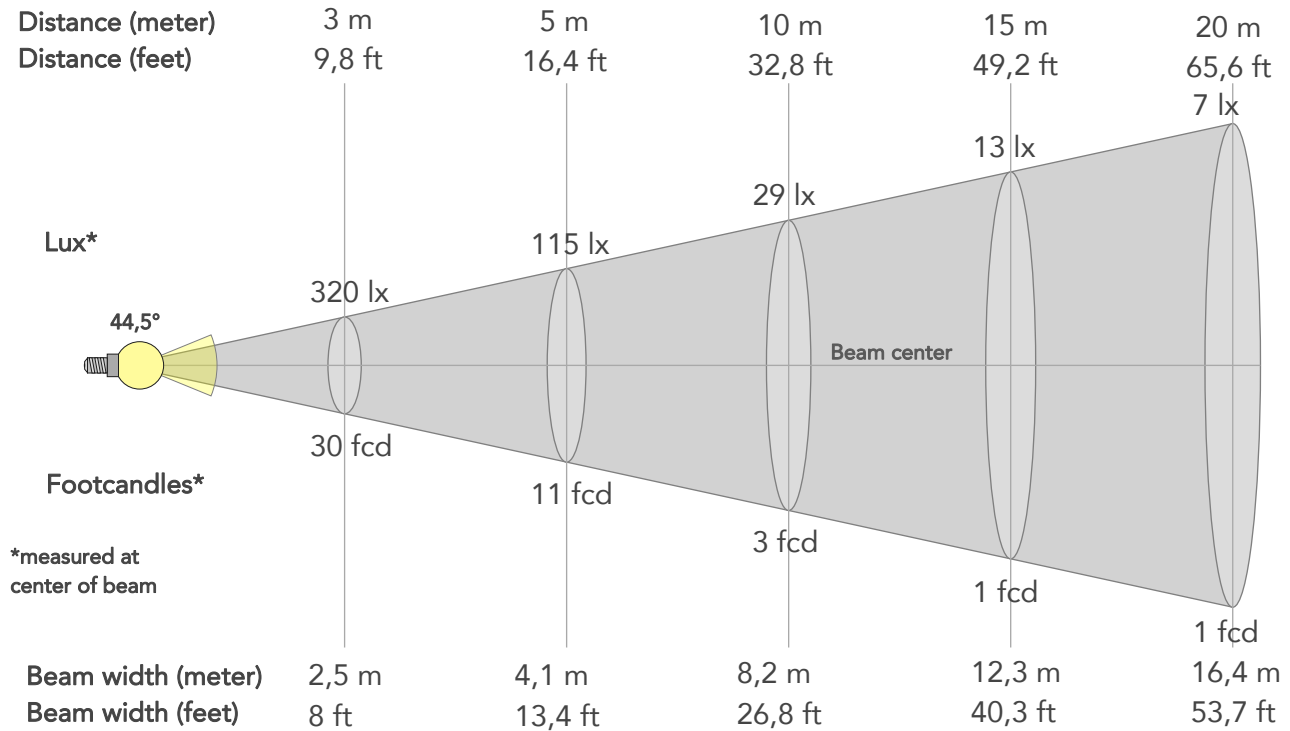
Cut off angle 2.5%: 114°

**Spectra**



# BEAM DETAILS

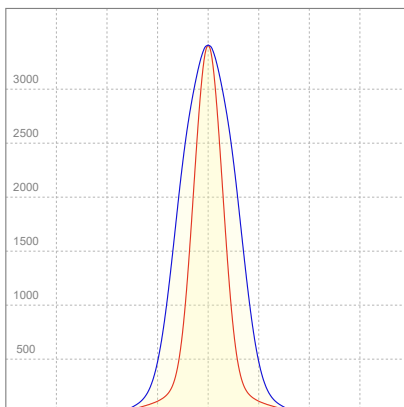
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,5°	77,3°	114°	96,2%	87,6%



## 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	2881lx	720lx	320lx	180lx	115lx	51lx	29lx	13lx	7lx	5lx	3lx	2lx	1lx
Footcand.	268fcd	67fcd	30fcd	17fcd	11fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,1m	8,2m	12,3m	16,4m	20,5m	24,6m	32,7m	40,9m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,4ft	20,1ft	26,8ft	40,3ft	53,7ft	67,1ft	80,5ft	107,4ft	134,2ft

## LINEAR DISTRIBUTION DIAGRAM

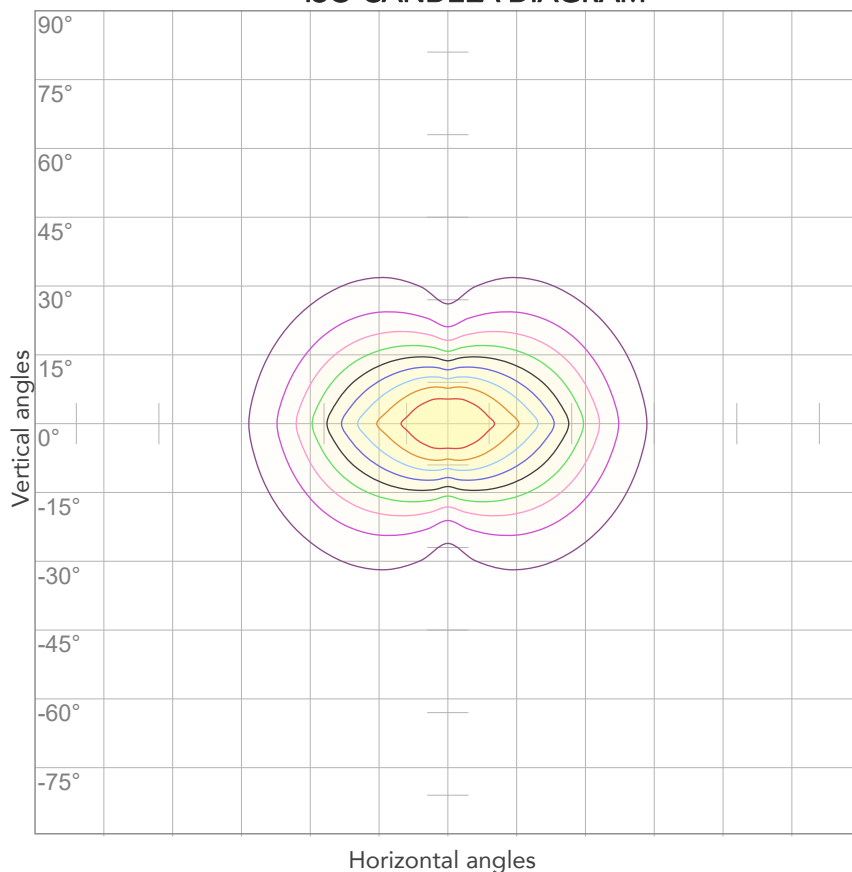


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,182A	33,8W	0,83	60lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



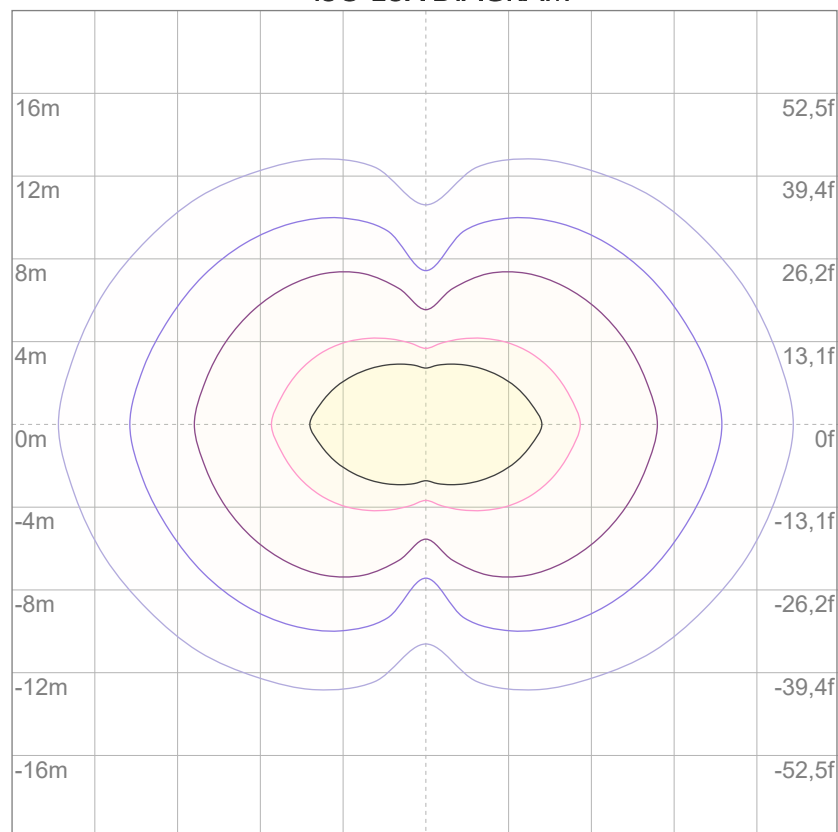
10%	288 cd
20%	576 cd
30%	864 cd
40%	1153 cd
50%	1441 cd
60%	1729 cd
70%	2017 cd
80%	2305 cd

### Conditions:

Number of c-planes: 4

Candela at center: 2881 cd

## ISO LUX DIAGRAM



3%	0,864 lx
5%	1,44 lx
10%	2,88 lx
30%	8,64 lx
50%	14,4 lx

### Conditions:

Number of c-planes: 4

Lux at center: 28,8 lx

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



Total lumen output:

473 lm

Peak candela output:

7650 cd

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10°

Target:

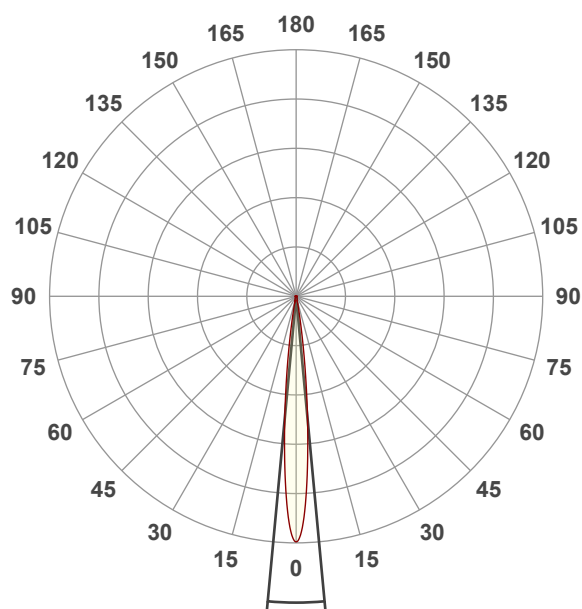
Blue

Operator:

Salvatore Giglio

Date and time:

08/02/2024 17:09:01

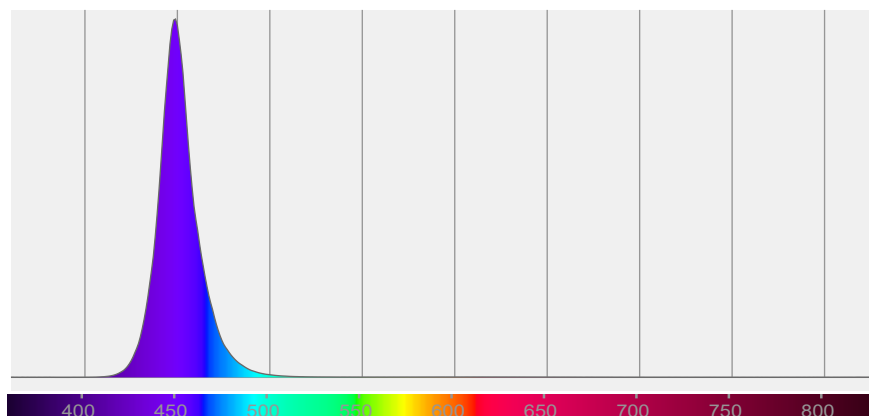


Beam angle 50%: 10,6°

Field angle 10%: 19,2°

Cut off angle 2.5%: 26,1°

**Spectra**

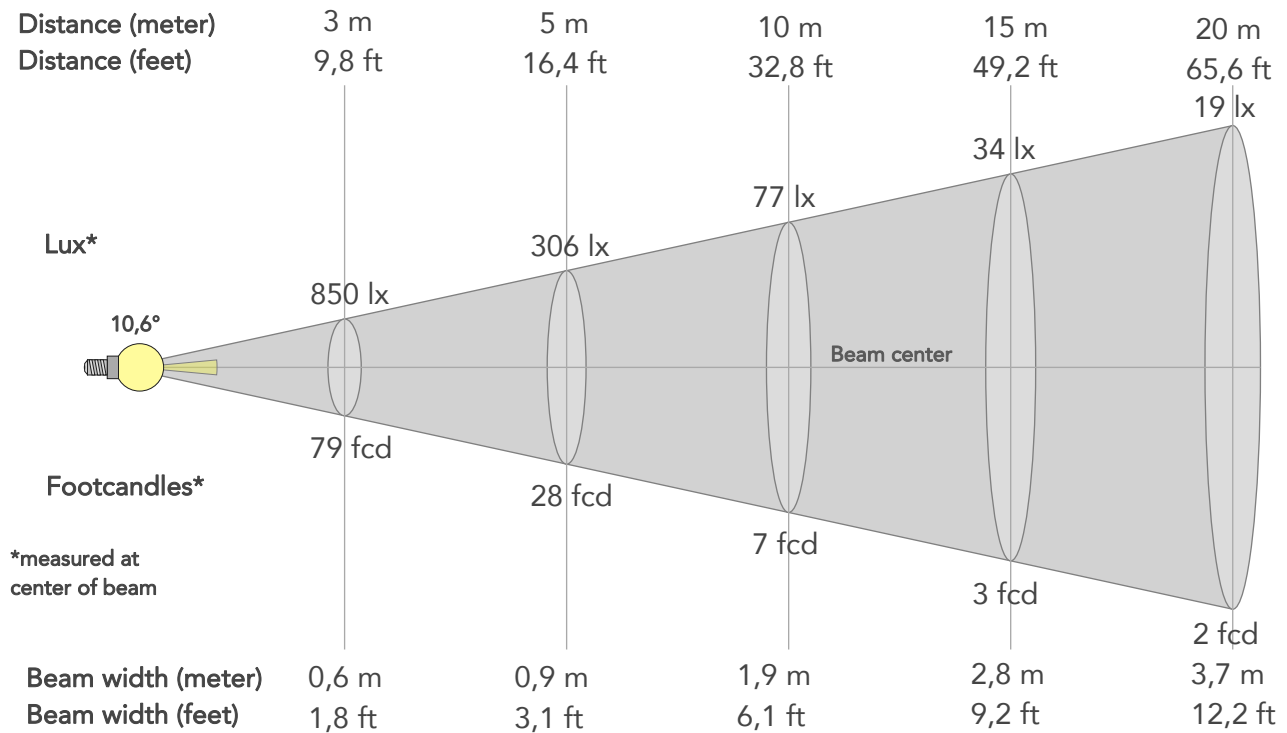




# BEAM DETAILS



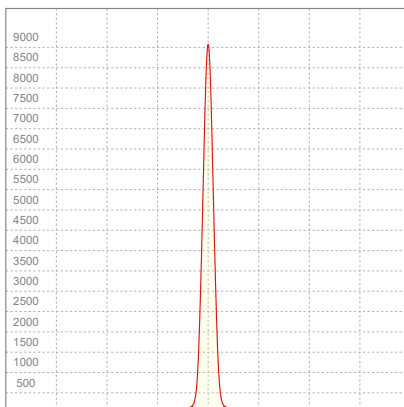
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,6°	19,2°	26,1°	88,5%	81,9%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	7650lx	1913lx	850lx	478lx	306lx	136lx	77lx	34lx	19lx	12lx	9lx	5lx	3lx
Footcand.	711fcd	178fcd	79fcd	44fcd	28fcd	13fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,2m	0,4m	0,6m	0,7m	0,9m	1,4m	1,9m	2,8m	3,7m	4,7m	5,6m	7,5m	9,3m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3,1ft	4,6ft	6,1ft	9,2ft	12,2ft	15,3ft	18,3ft	24,5ft	30,6ft

## LINEAR DISTRIBUTION DIAGRAM

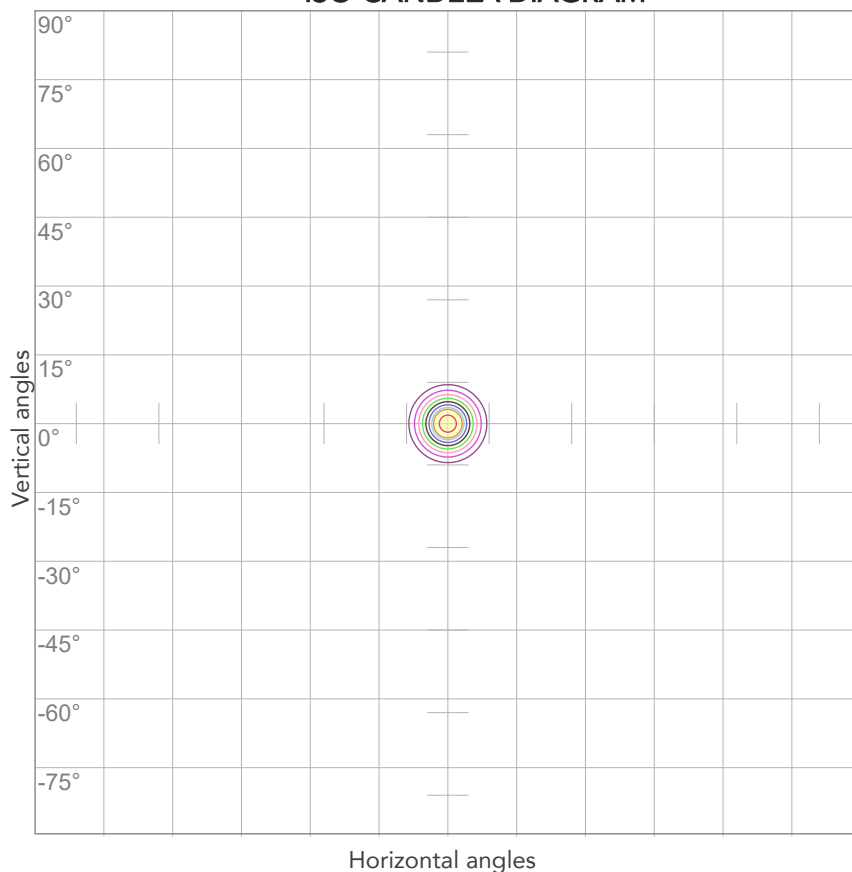


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,189A	35,6W	0,83	13lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



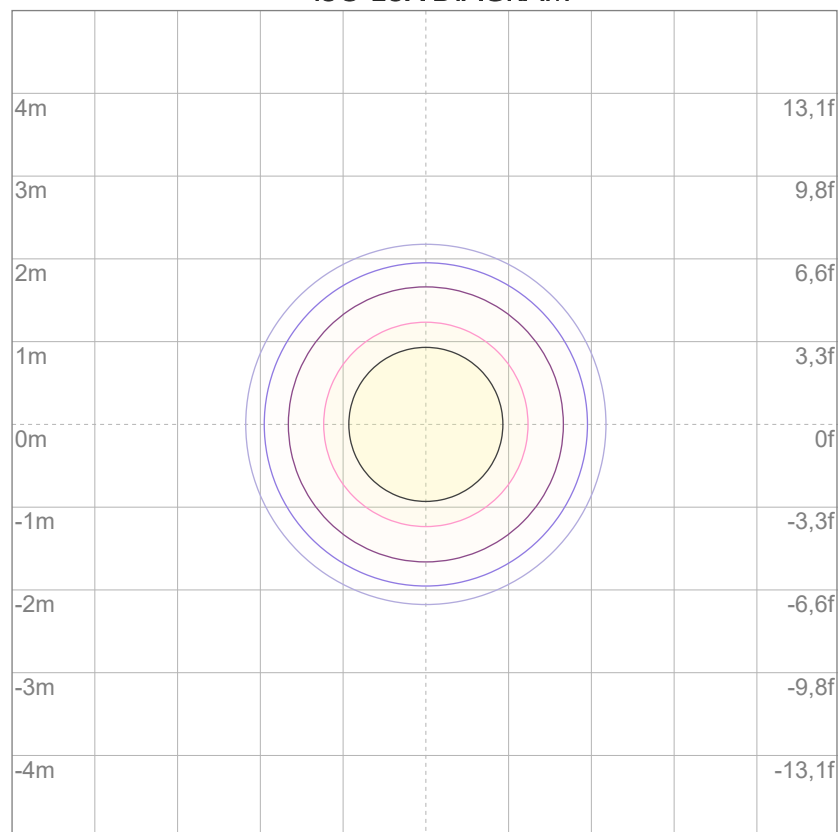
10%	765 cd
20%	1530 cd
30%	2295 cd
40%	3060 cd
50%	3825 cd
60%	4590 cd
70%	5355 cd
80%	6120 cd

### Conditions:

Number of c-planes: 2

Candela at center: 7650 cd

## ISO LUX DIAGRAM



3%	2,30 lx
5%	3,83 lx
10%	7,65 lx
30%	23,0 lx
50%	38,3 lx

### Conditions:

Number of c-planes: 2

Lux at center: 76,5 lx

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



Total lumen output:

389 lm

Peak candela output:

1395 cd

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 20° Filter

Target:

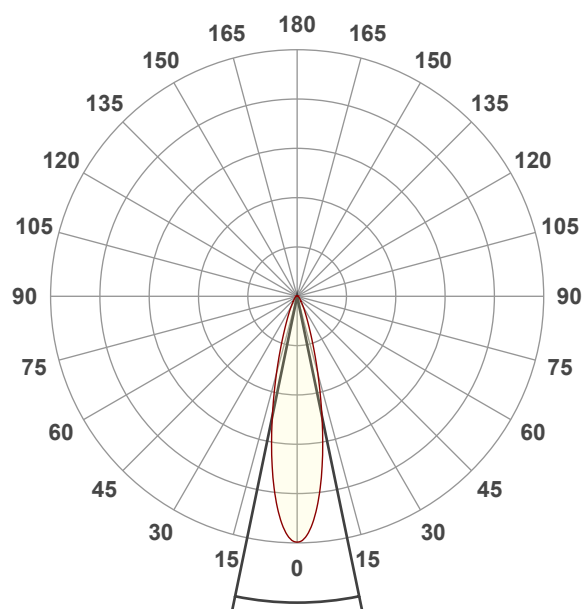
Blue

Operator:

Salvatore Giglio

Date and time:

08/02/2024 17:46:47

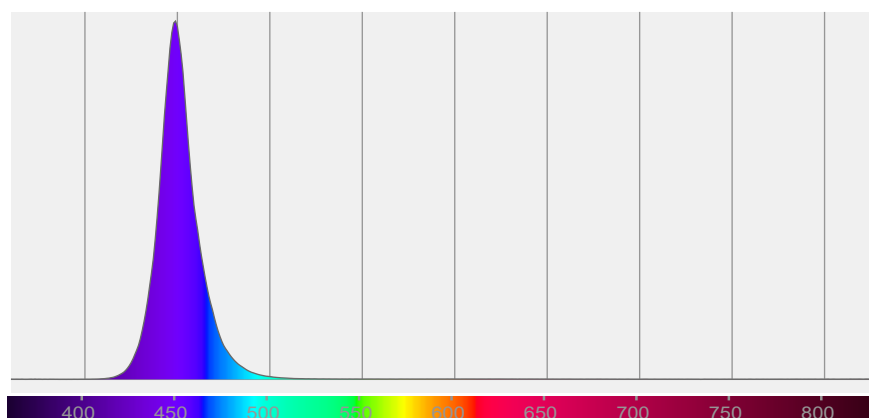


Beam angle 50%: 23,4°

Field angle 10%: 47,1°

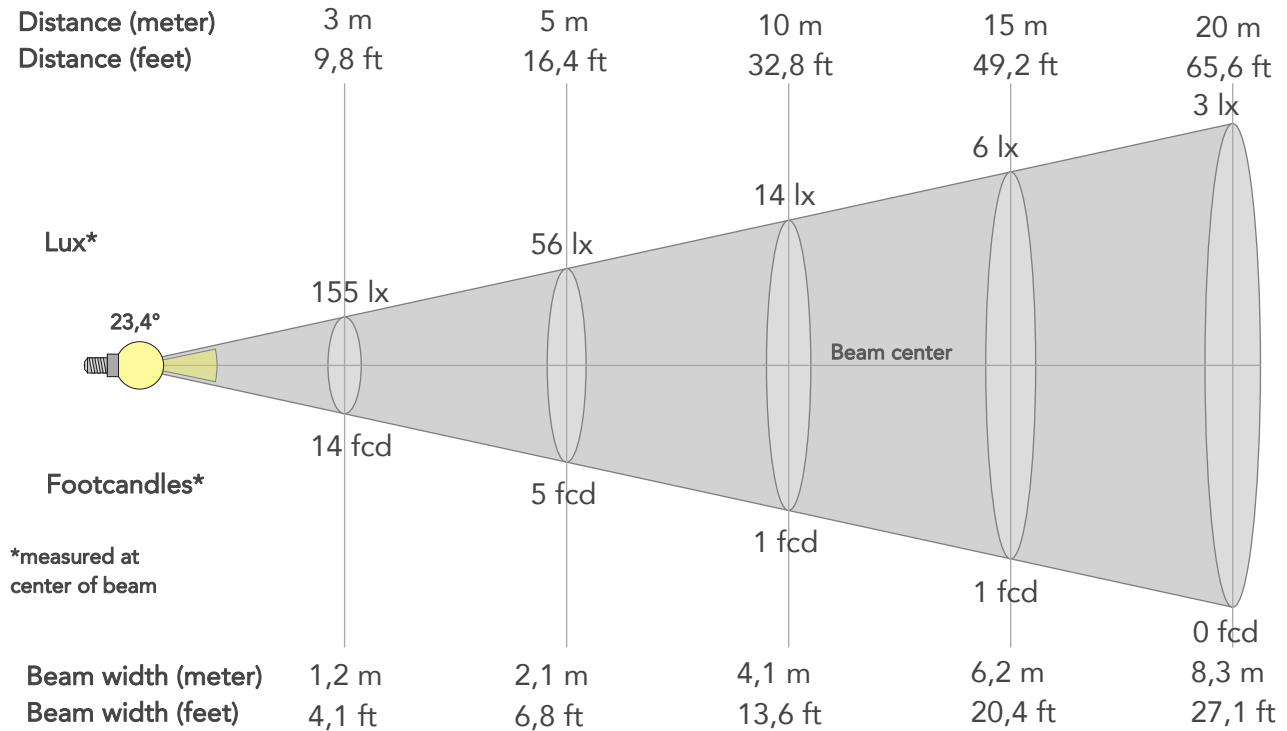
Cut off angle 2.5%: 77,8°

**Spectra**



# BEAM DETAILS

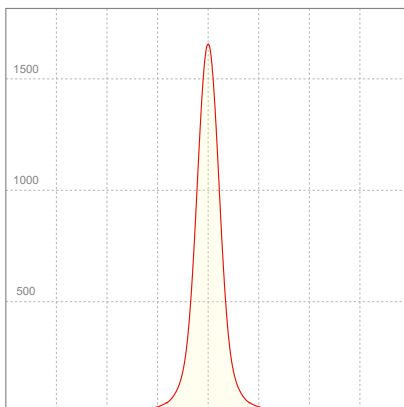
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	47,1°	77,8°	90,1%	84,2%



## 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	1395lx	349lx	155lx	87lx	56lx	25lx	14lx	6lx	3lx	2lx	2lx	1lx	1lx
Footcand.	130fcd	32fcd	14fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,3m	12,4m	16,5m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,1ft	33,9ft	40,7ft	54,3ft	67,8ft

## LINEAR DISTRIBUTION DIAGRAM

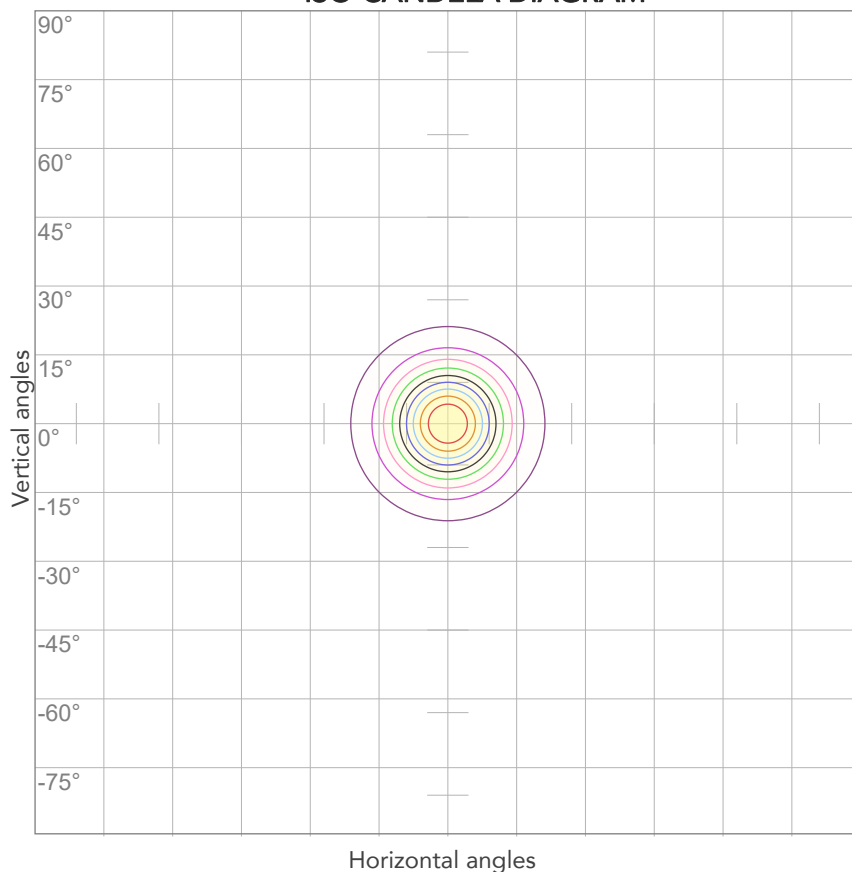


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,190A	35,7W	0,84	11lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



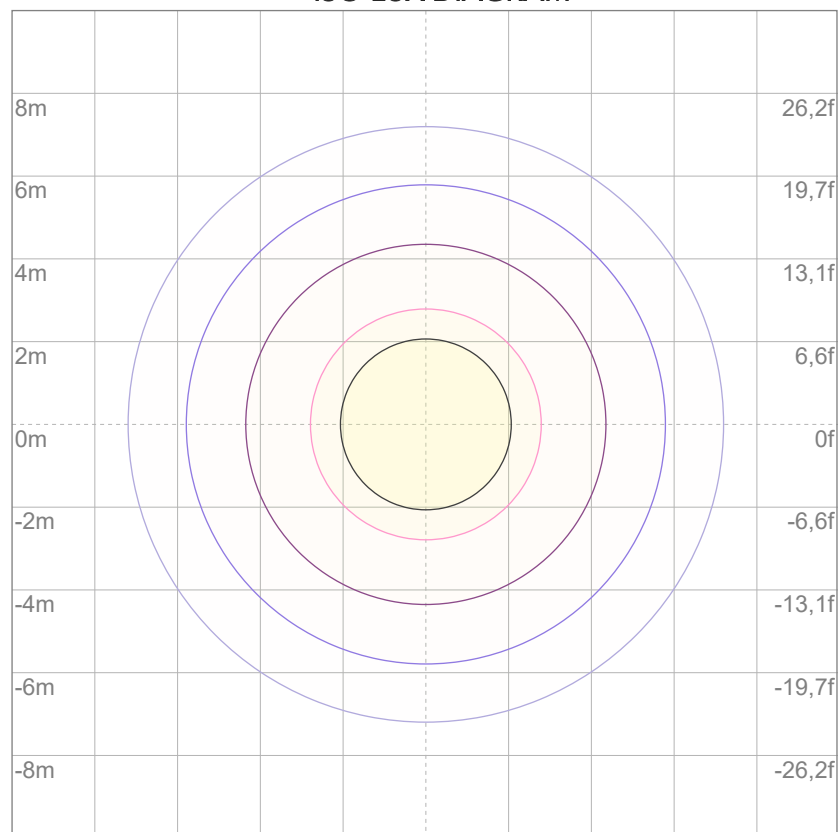
10%	139 cd
20%	279 cd
30%	418 cd
40%	558 cd
50%	697 cd
60%	837 cd
70%	976 cd
80%	1116 cd

### Conditions:

Number of c-planes: 2

Candela at center: 1395 cd

## ISO LUX DIAGRAM



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

### Conditions:

Number of c-planes: 2

Lux at center: 13,9 lx

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



Total lumen output:

351 lm

Peak candela output:

445 cd

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 40° Filter

Target:

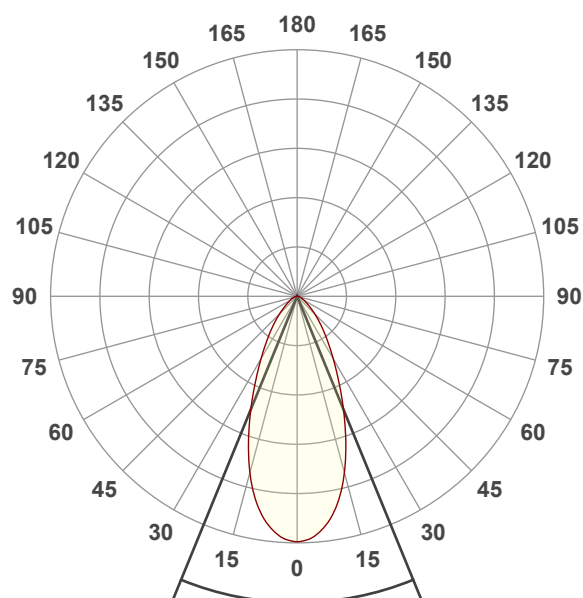
Blue

Operator:

Salvatore Giglio

Date and time:

09/02/2024 09:16:43

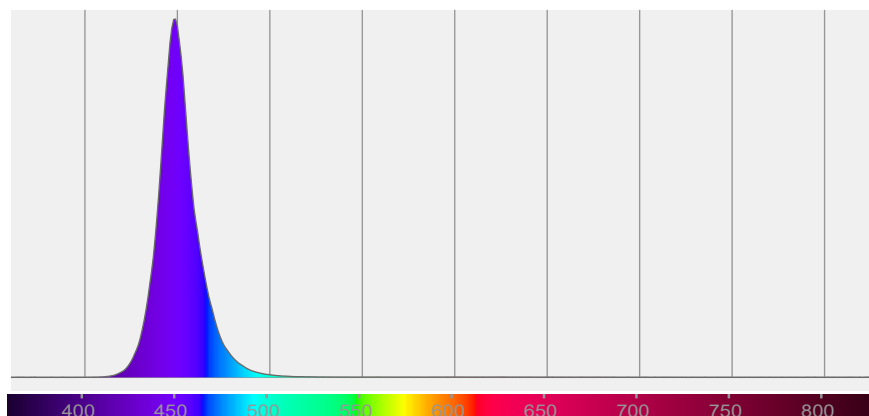


Beam angle 50%: 44,5°

Field angle 10%: 90,4°

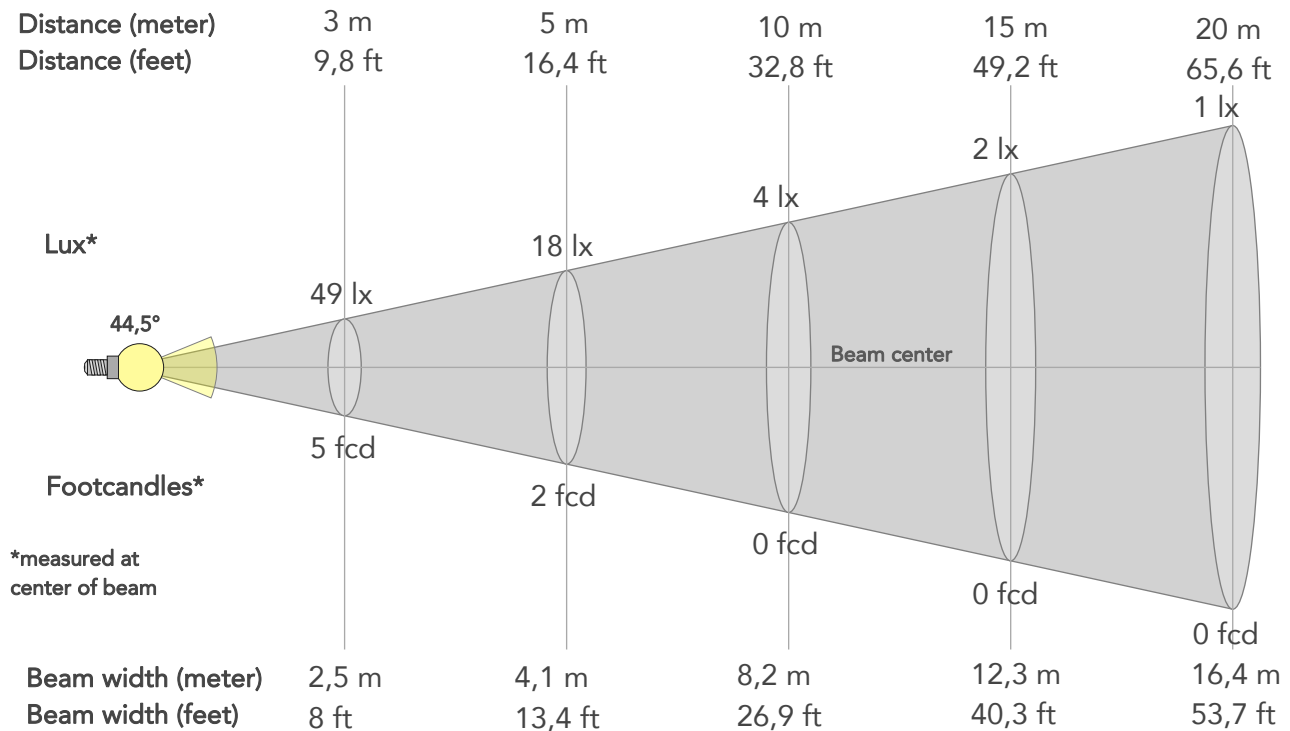
Cut off angle 2.5%: 128,5°

**Spectra**



# BEAM DETAILS

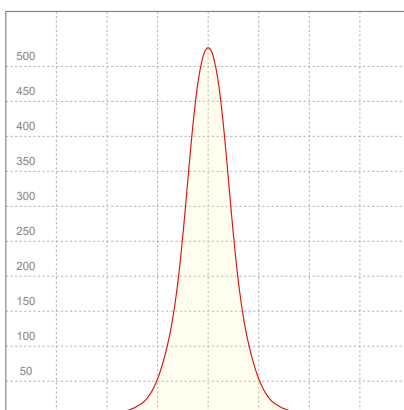
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,5°	90,4°	128,5°	93,9%	84,3%



## 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	445lx	111lx	49lx	28lx	18lx	8lx	4lx	2lx	1lx	1lx	0lx	0lx	0lx
Footcand.	41fcd	10fcd	5fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,1m	8,2m	12,3m	16,4m	20,5m	24,6m	32,8m	40,9m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,4ft	20,1ft	26,9ft	40,3ft	53,7ft	67,1ft	80,6ft	107,4ft	134,3ft

## LINEAR DISTRIBUTION DIAGRAM

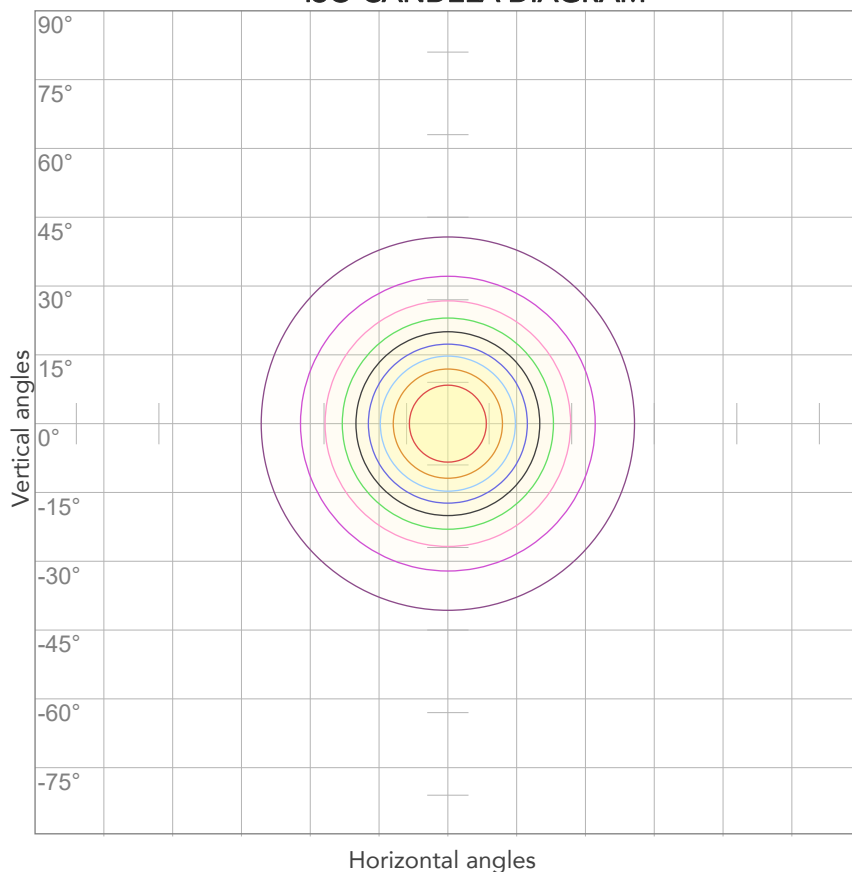


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,191A	35,6W	0,83	10lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



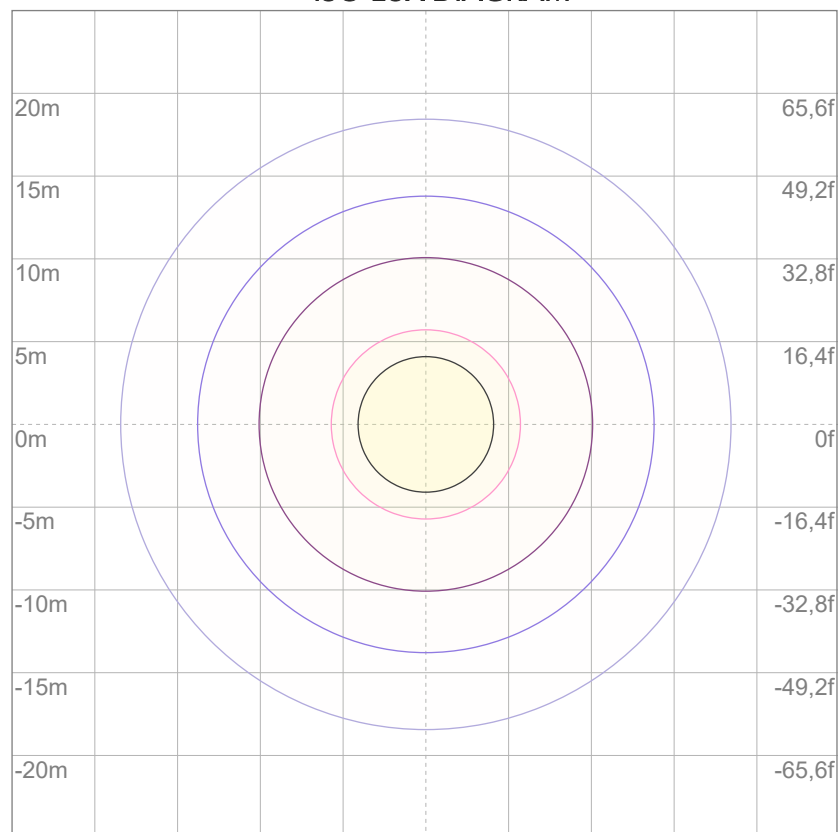
10%	45 cd
20%	89 cd
30%	134 cd
40%	178 cd
50%	223 cd
60%	267 cd
70%	312 cd
80%	356 cd

### Conditions:

Number of c-planes: 2

Candela at center: 445 cd

## ISO LUX DIAGRAM



3%	0,134 lx
5%	0,223 lx
10%	0,445 lx
30%	1,34 lx
50%	2,23 lx

### Conditions:

Number of c-planes: 2

Lux at center: 4,45 lx

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





Total lumen output:

352 lm

Peak candela output:

298 cd

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 60° Filter

Target:

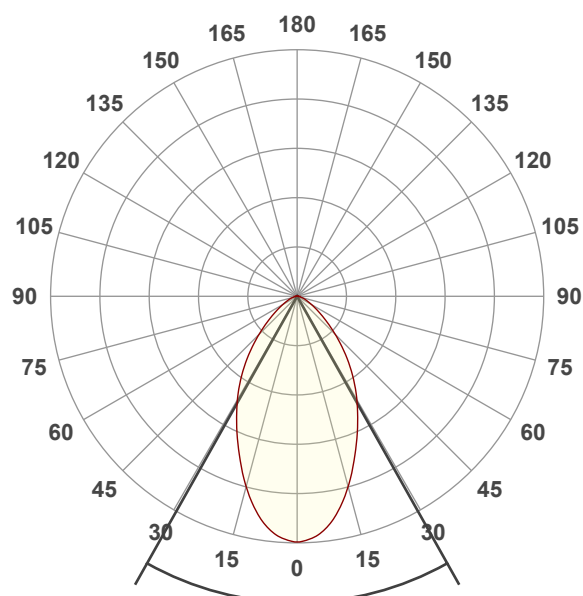
Blue

Operator:

Salvatore Giglio

Date and time:

09/02/2024 09:53:56

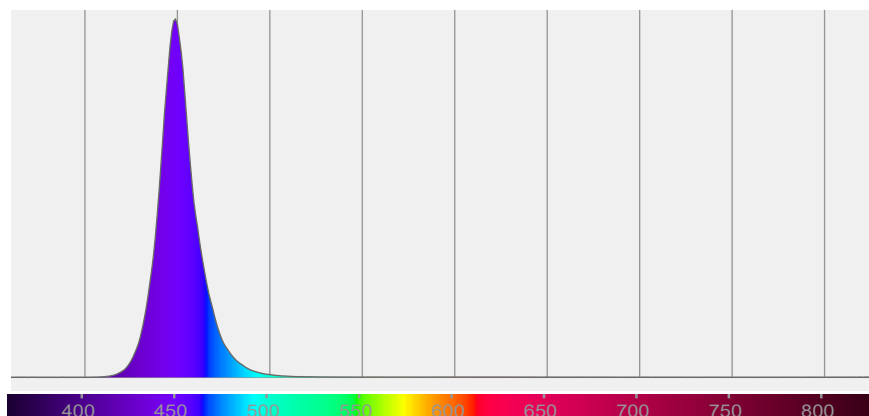


Beam angle 50%: 58,7°

Field angle 10%: 110,8°

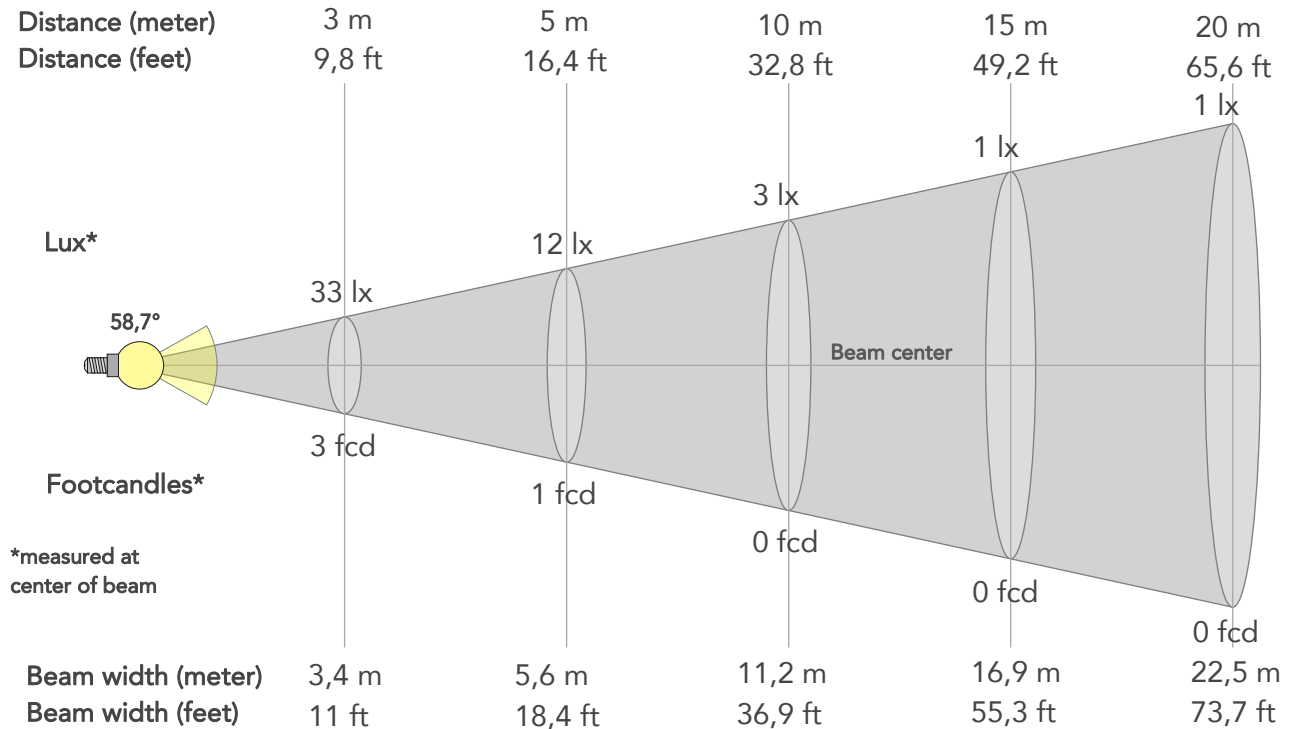
Cut off angle 2.5%: 145,3°

**Spectra**



# BEAM DETAILS

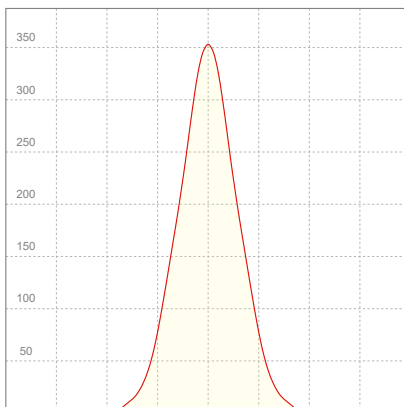
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,7°	110,8°	145,3°	92,4%	78,2%



## 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	298lx	74lx	33lx	19lx	12lx	5lx	3lx	1lx	1lx	0lx	0lx	0lx	0lx
Footcand.	28fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,4m	4,5m	5,6m	8,4m	11,2m	16,9m	22,5m	28,1m	33,7m	45m	56,2m
Beam wid.	3,7ft	7,4ft	11ft	14,7ft	18,4ft	27,7ft	36,9ft	55,3ft	73,7ft	92,2ft	110,6ft	147,5ft	184,3ft

## LINEAR DISTRIBUTION DIAGRAM

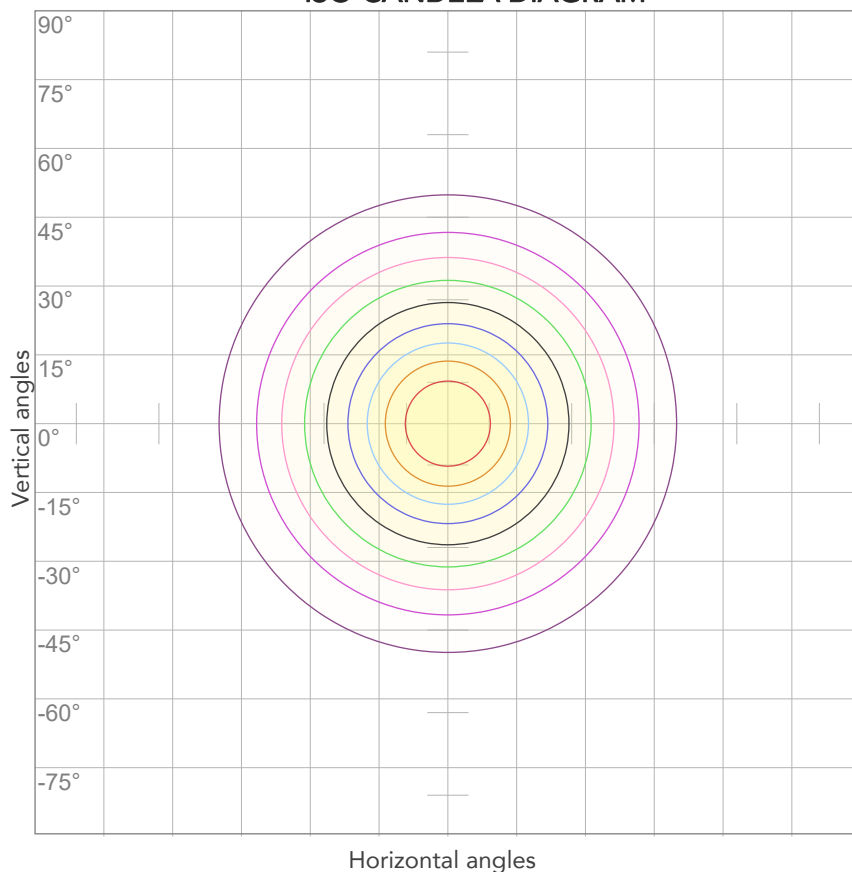


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,190A	35,5W	0,83	10lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



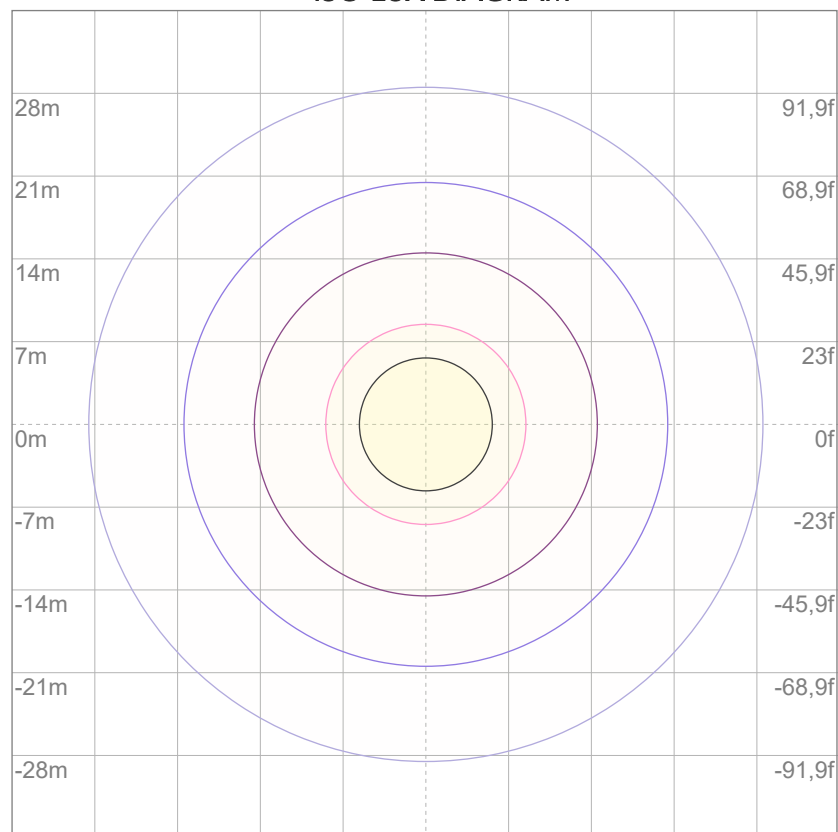
10%	30 cd
20%	60 cd
30%	89 cd
40%	119 cd
50%	149 cd
60%	179 cd
70%	208 cd
80%	238 cd

### Conditions:

Number of c-planes: 2

Candela at center: 298 cd

## ISO LUX DIAGRAM



3%	89,3m lx
5%	0,149 lx
10%	0,298 lx
30%	0,893 lx
50%	1,49 lx

### Conditions:

Number of c-planes: 2

Lux at center: 2,98 lx

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



Total lumen output:

529 lm

Peak candela output:

1033 cd

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 10°x60° Filter

Target:

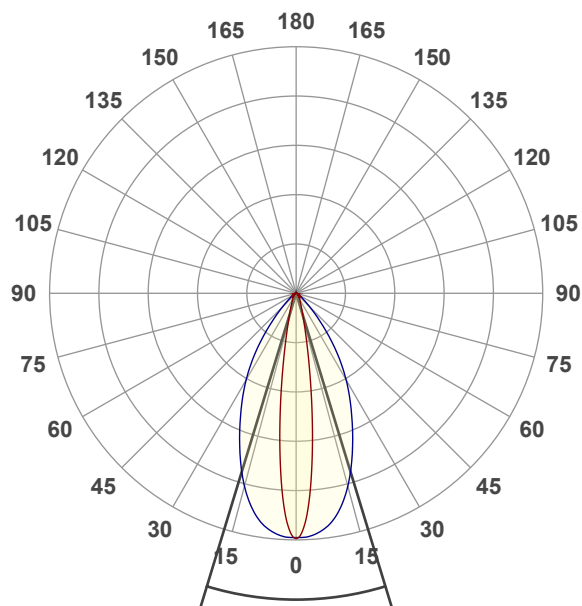
Blue

Operator:

Salvatore Giglio

Date and time:

09/02/2024 10:41:06

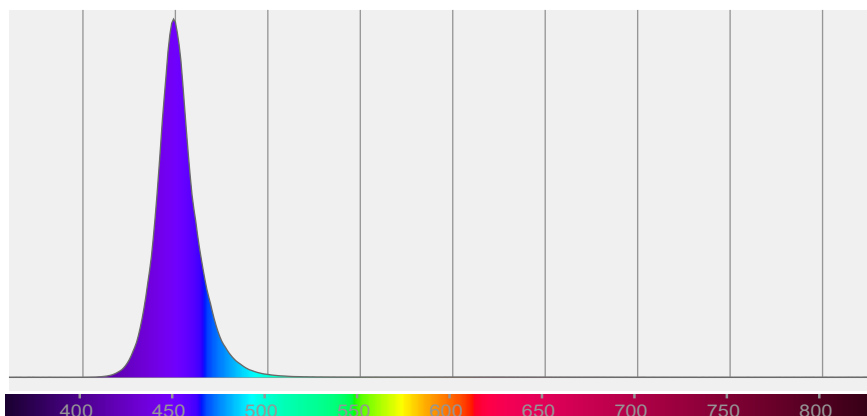


Beam angle 50%: 33,9°

Field angle 10%: 60°

Cut off angle 2.5%: 88,3°

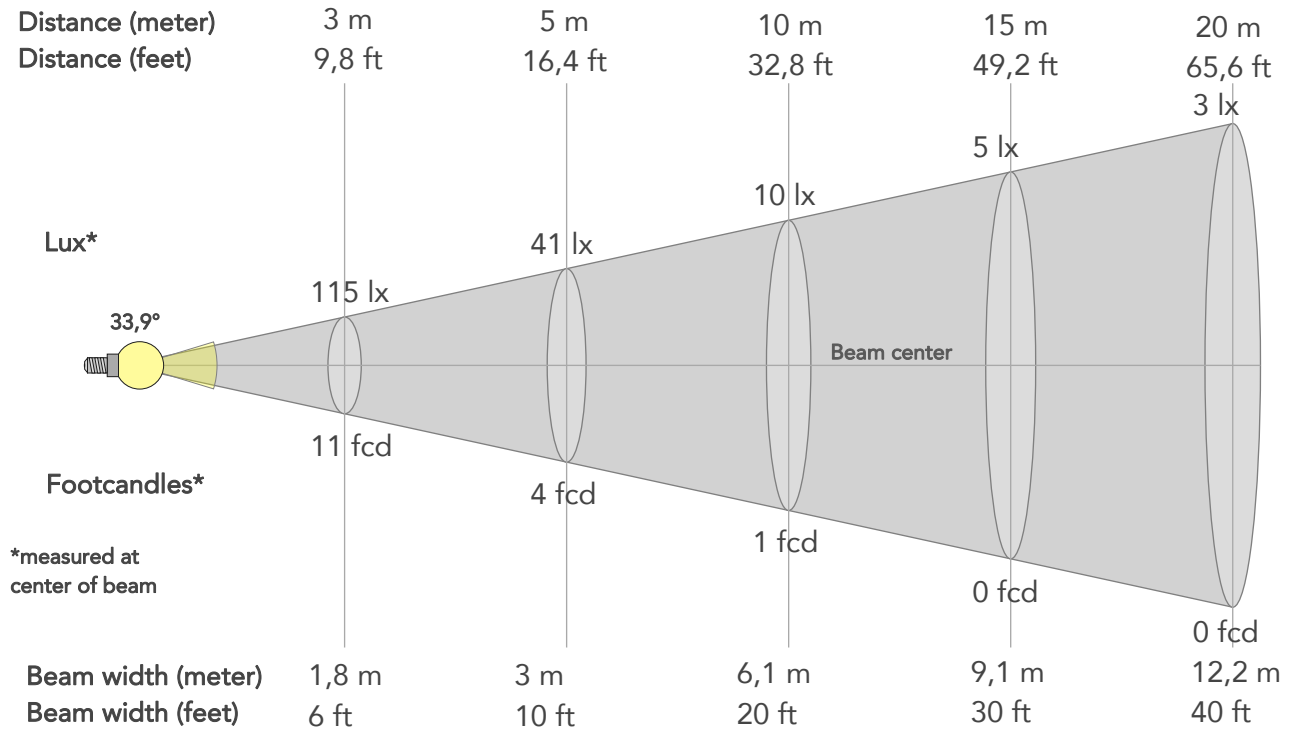
**Spectra**



# BEAM DETAILS



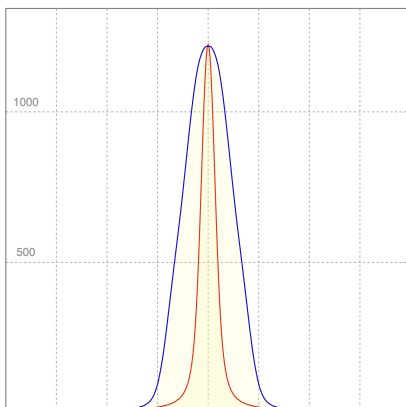
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,9°	60°	88,3°	95,1%	89,1%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1032lx	258lx	115lx	64lx	41lx	18lx	10lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	96fcd	24fcd	11fcd	6fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,6m	6,1m	9,1m	12,2m	15,2m	18,3m	24,4m	30,5m
Beam wid.	2ft	4ft	6ft	8ft	10ft	15ft	20ft	30ft	40ft	50ft	60ft	79,9ft	99,9ft

## LINEAR DISTRIBUTION DIAGRAM

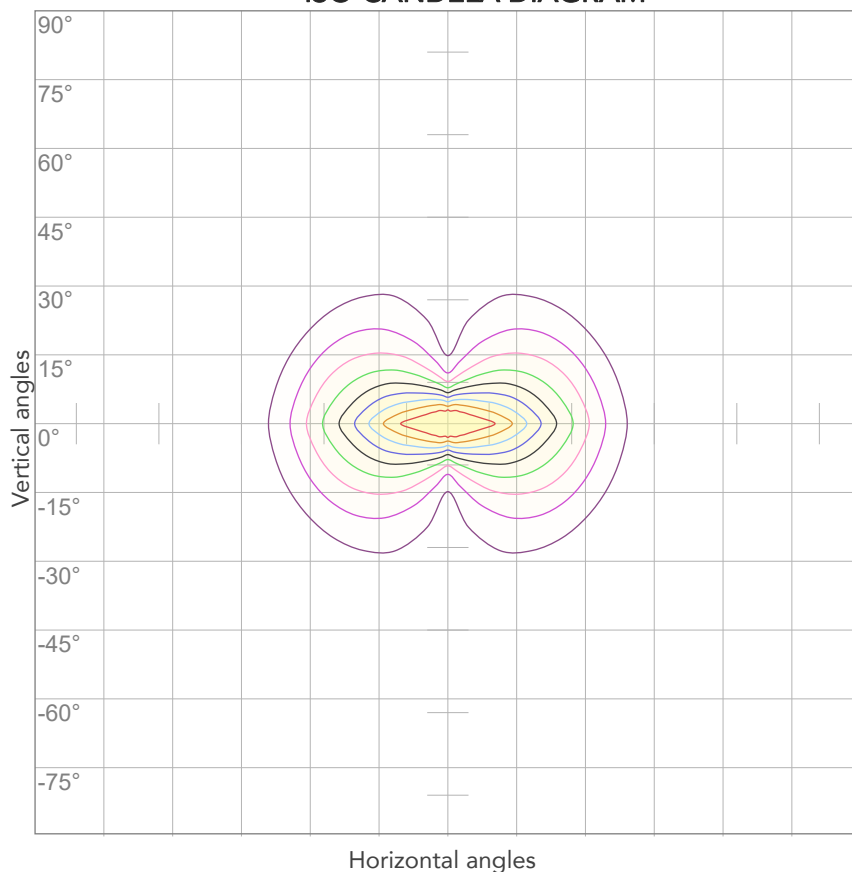


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,189A	35,5W	0,83	15lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



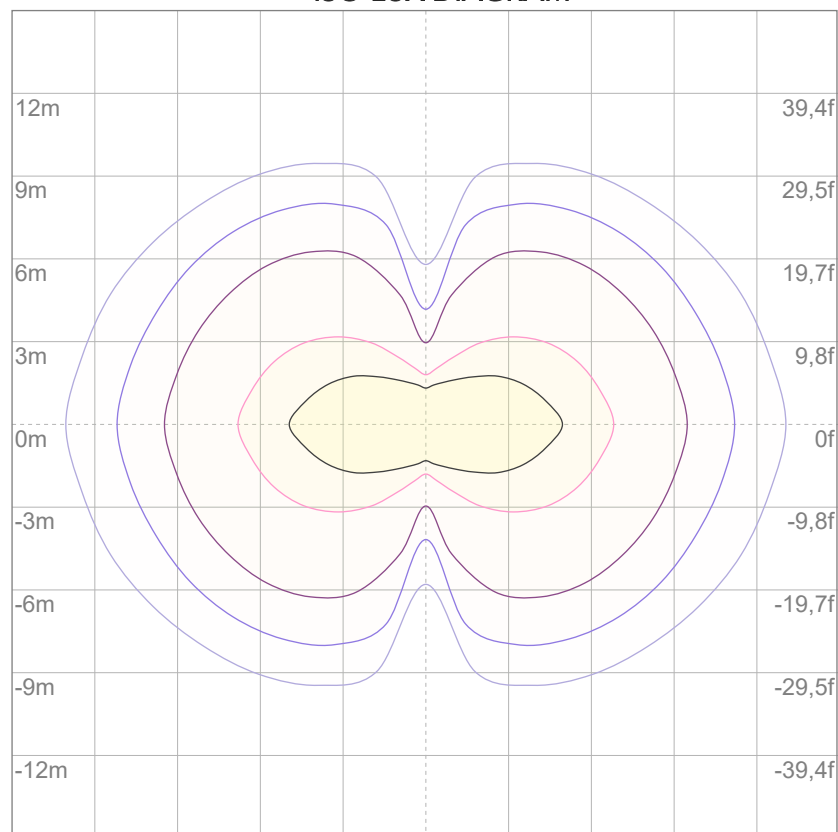
10%	103 cd
20%	206 cd
30%	309 cd
40%	413 cd
50%	516 cd
60%	619 cd
70%	722 cd
80%	825 cd

### Conditions:

Number of c-planes: 4

Candela at center: 1032 cd

## ISO LUX DIAGRAM



3%	0,309 lx
5%	0,516 lx
10%	1,03 lx
30%	3,09 lx
50%	5,16 lx

### Conditions:

Number of c-planes: 4

Lux at center: 10,3 lx

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



Total lumen output:

397 lm

Peak candela output:

530 cd

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 30°x60° Filter

Target:

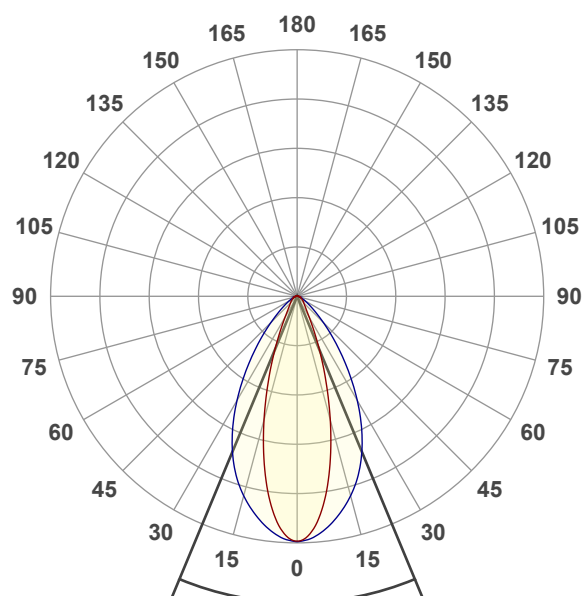
Blue

Operator:

Salvatore Giglio

Date and time:

08/02/2024 18:20:16

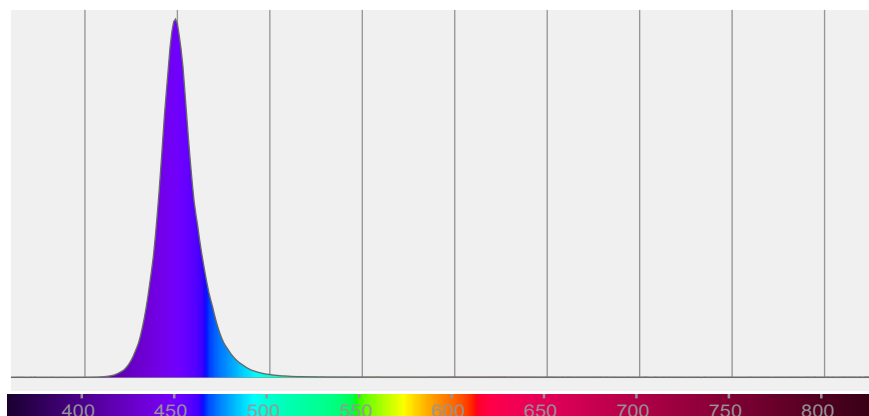


Beam angle 50%: 45,2°

Field angle 10%: 79,2°

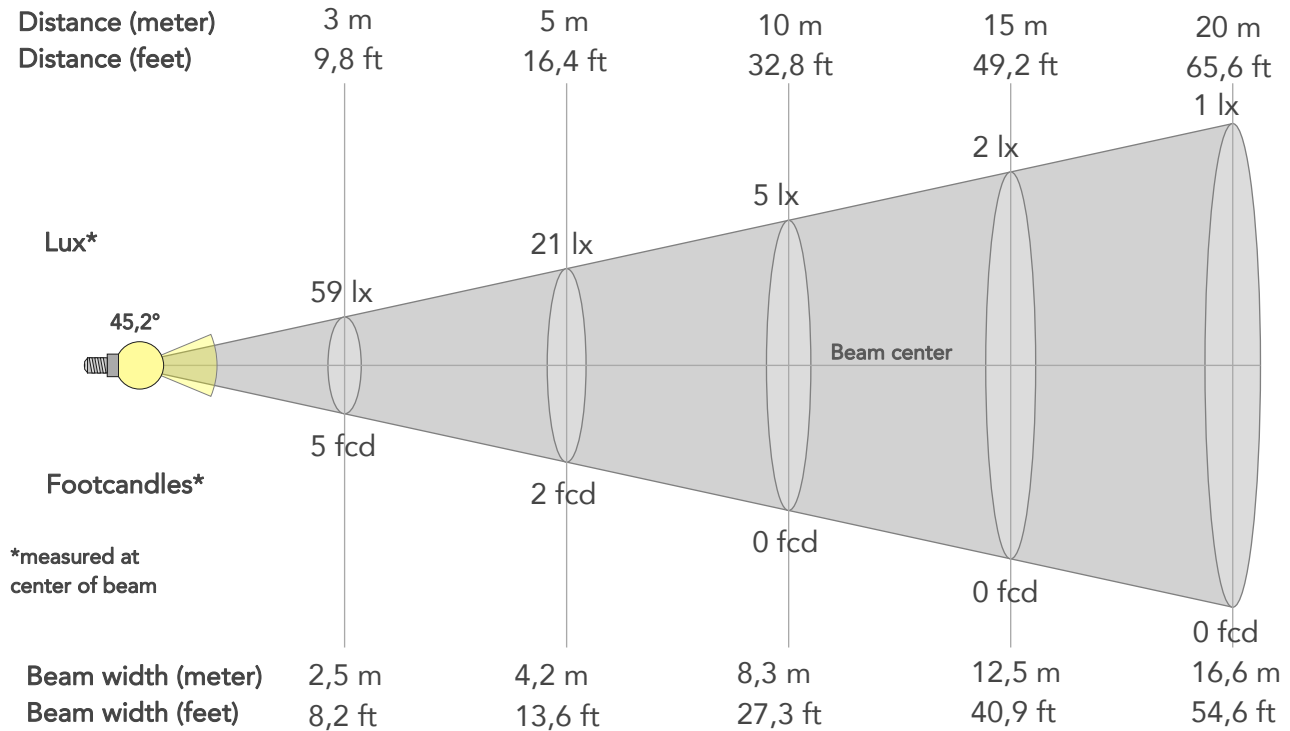
Cut off angle 2.5%: 121,7°

**Spectra**



# BEAM DETAILS

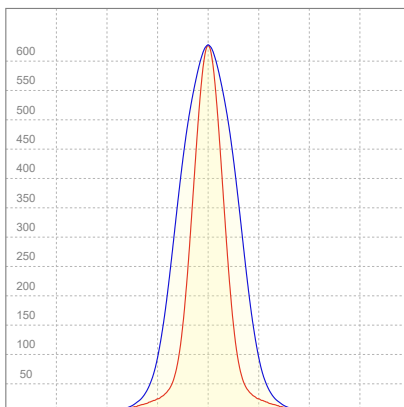
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,2°	79,2°	121,7°	94,2%	84,9%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	530lx	132lx	59lx	33lx	21lx	9lx	5lx	2lx	1lx	1lx	1lx	0lx	0lx
Footcand.	49fcd	12fcd	5fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,2m	6,2m	8,3m	12,5m	16,6m	20,8m	25m	33,3m	41,6m
Beam wid.	2,7ft	5,5ft	8,2ft	10,9ft	13,6ft	20,5ft	27,3ft	40,9ft	54,6ft	68,2ft	81,9ft	109,2ft	136,5ft

## LINEAR DISTRIBUTION DIAGRAM



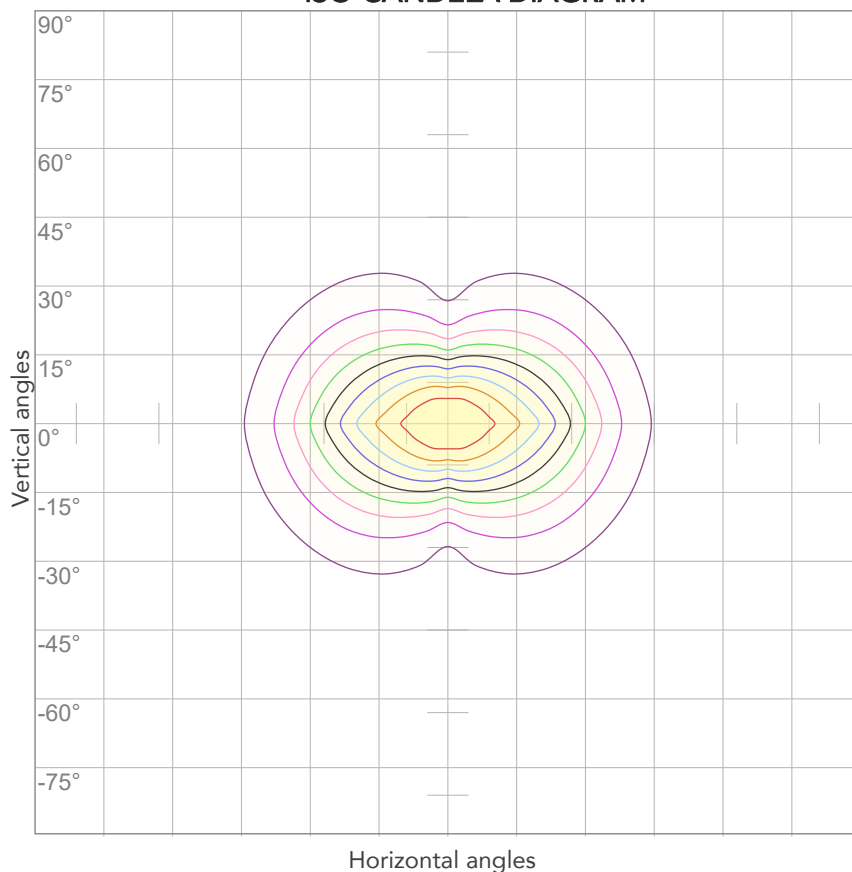
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,189A	35,6W	0,84	11lm/W



# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



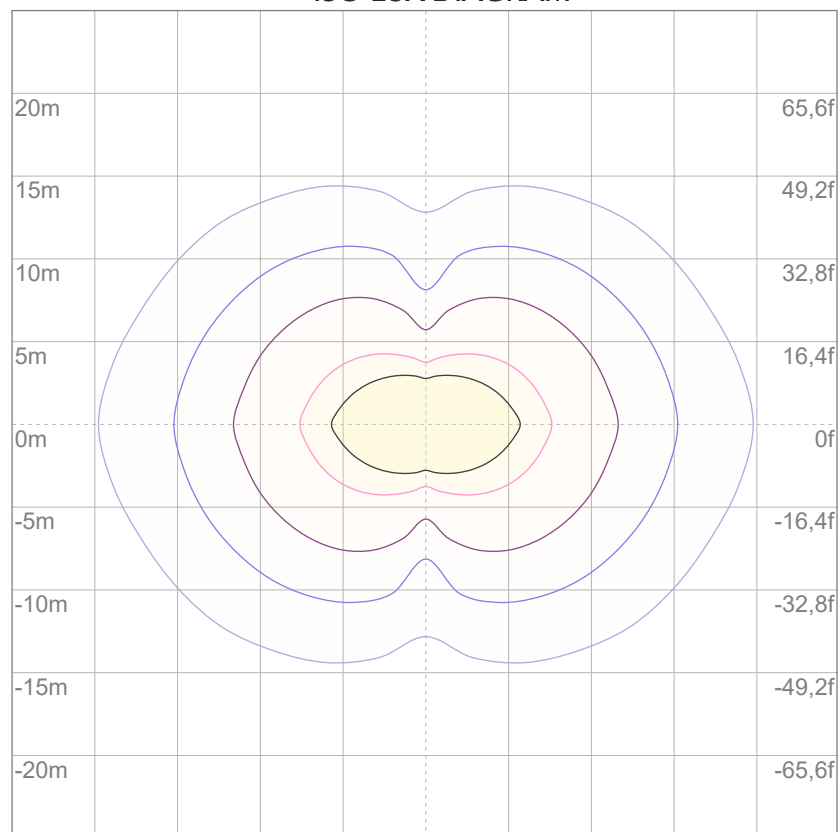
10%	53 cd
20%	106 cd
30%	159 cd
40%	212 cd
50%	265 cd
60%	318 cd
70%	371 cd
80%	424 cd

### Conditions:

Number of c-planes: 4

Candela at center: 530 cd

## ISO LUX DIAGRAM



3%	0,159 lx
5%	0,265 lx
10%	0,530 lx
30%	1,59 lx
50%	2,65 lx

### Conditions:

Number of c-planes: 4

Lux at center: 5,30 lx

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



Total lumen output:

2711 lm

Peak candela output:

53888 cd

Light quality:

CRI: 83,6

Color temperature:

2891 K

PRODUCT NAME:

ARCSPOTMFC

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

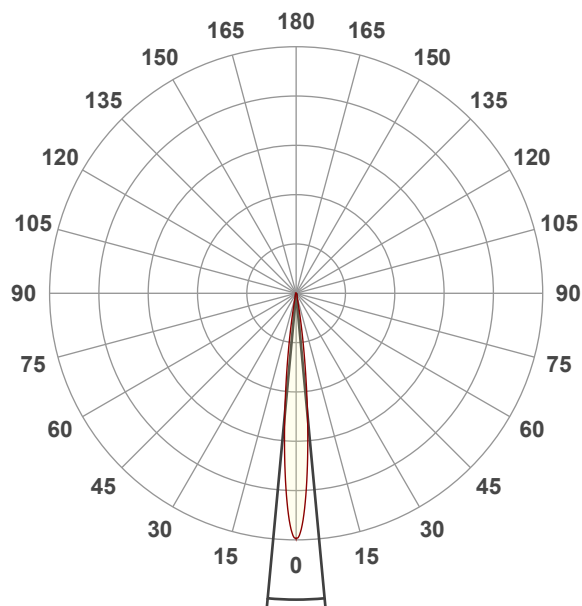
White

Operator:

Salvatore Giglio

Date and time:

08/02/2024 17:10:44

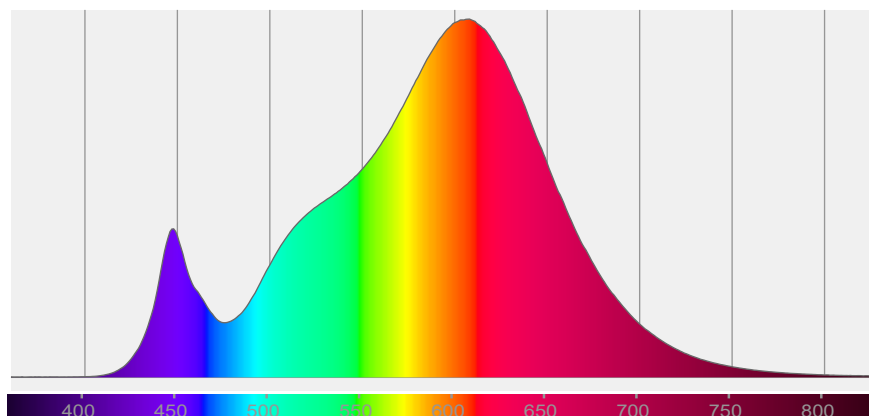


Beam angle 50%: 10,7°

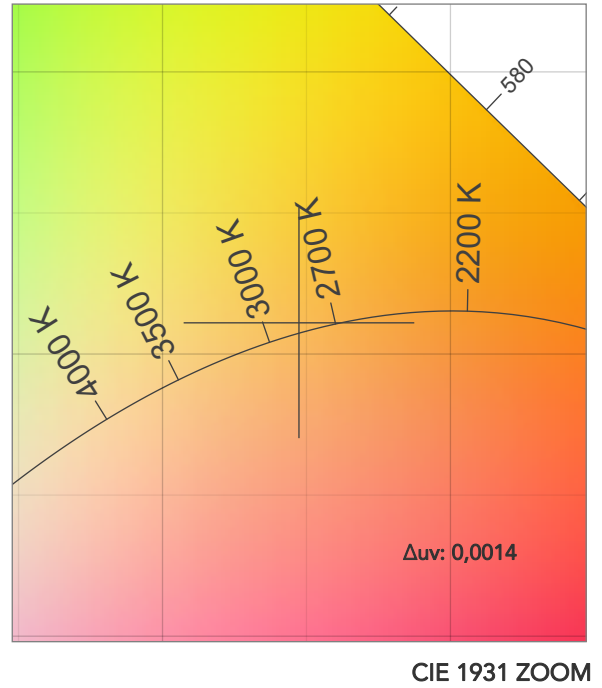
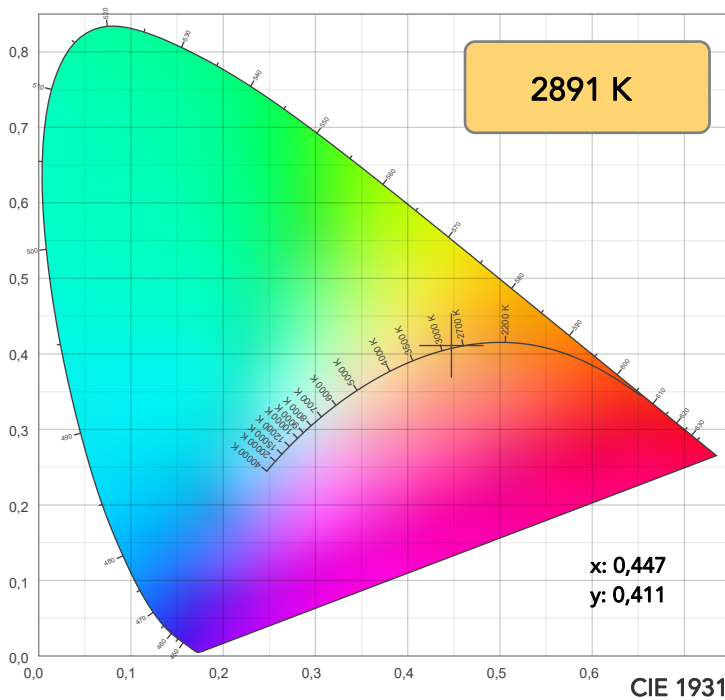
Field angle 10%: 19,2°

Cut off angle 2.5%: 25,7°

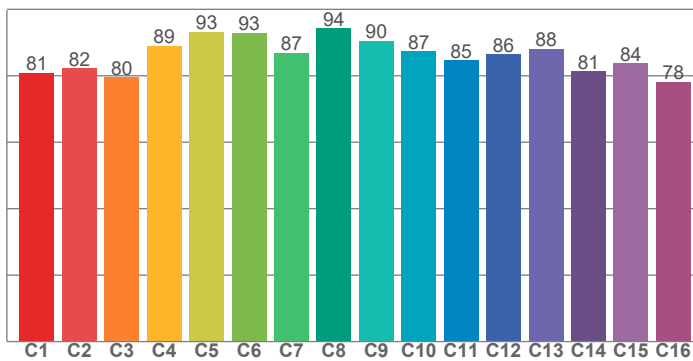
Spectra



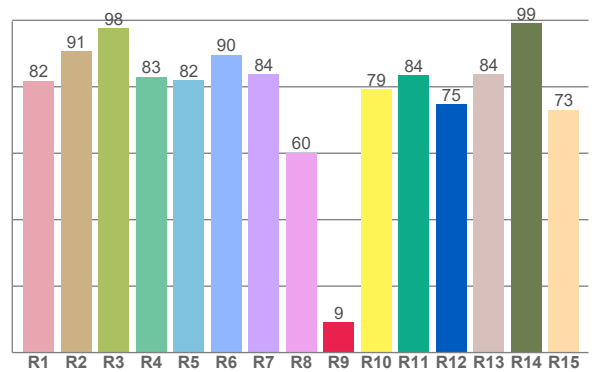
## COLOR DETAILS



TM30: 86,1



CRI: 83,6 (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
81,8	90,7	97,6	83,1	82,1	89,6	83,8	60,1	9,2	79,3	83,5	74,7	83,9	99,1	73,1

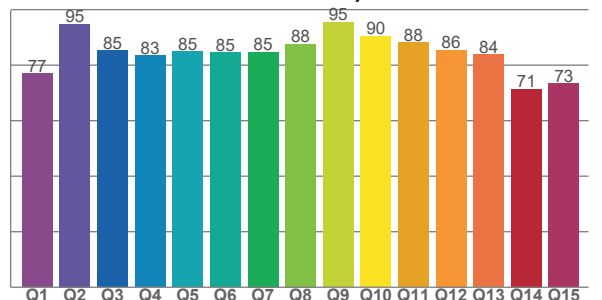
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,8	82,3	79,6	89,1	93,2	92,9	86,8	94,3	90,5	87,4	84,7	86,4	88,1	81,4	83,8	78,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,0	94,9	85,3	83,5	84,9	84,5	84,8	87,6	95,4	90,4	88,2	85,5	83,8	71,4	73,3

CQS: 83,2



## COLOR PARAMETERS

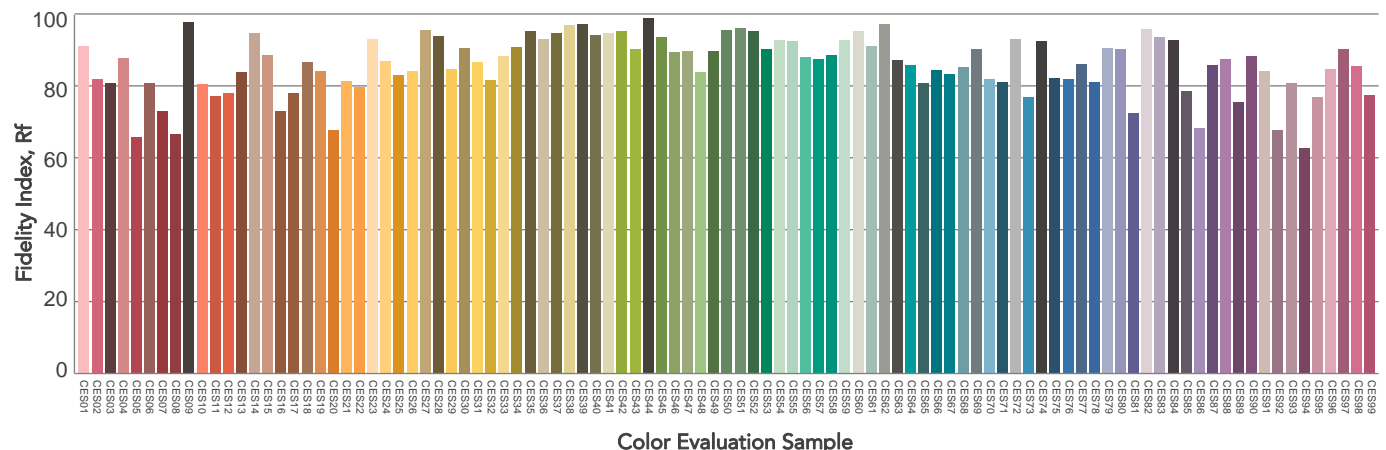
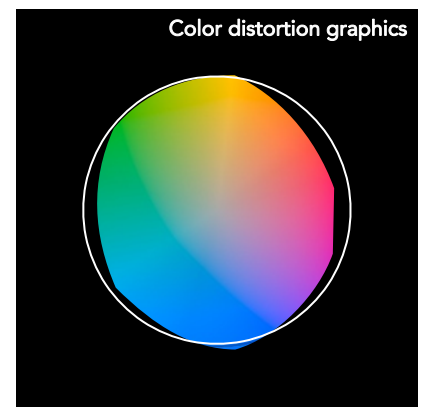
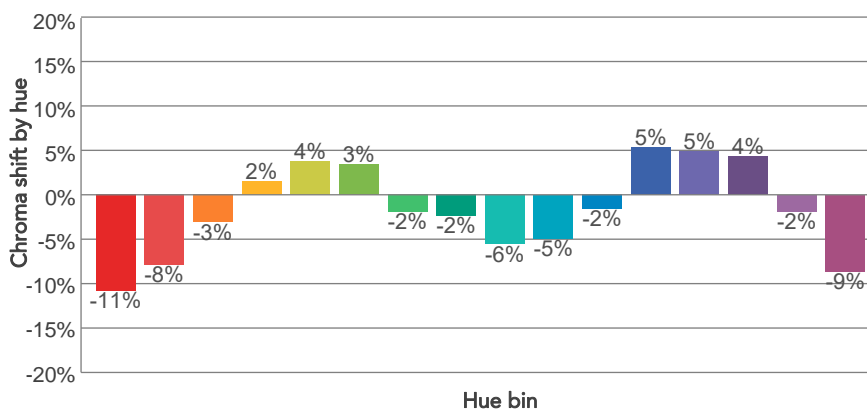
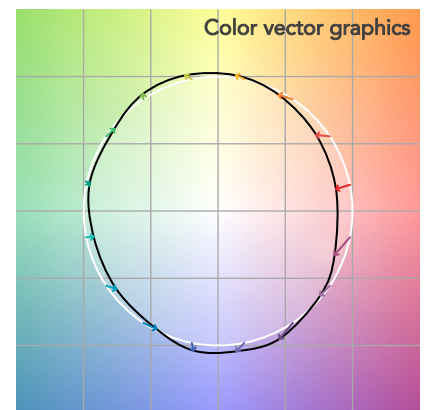
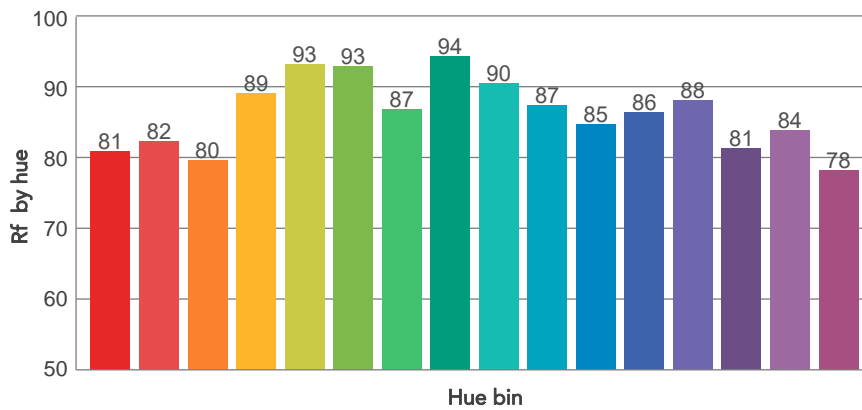
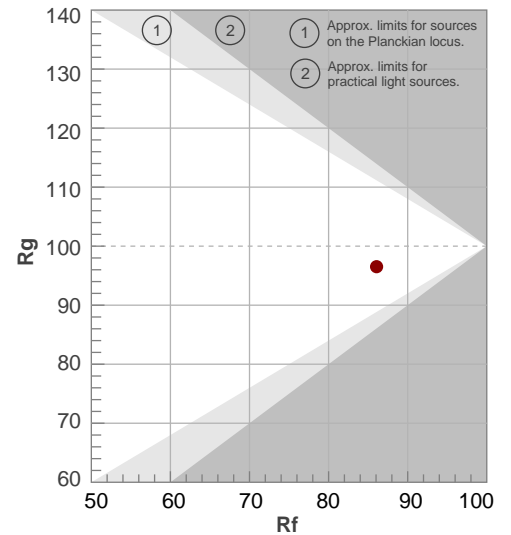
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2891 K	83,6	9,2	86,1	96,5	83,2	69	0,447	0,411	0,0014

# TM30 DETAILS

**Rf 86,1**  
Fidelity index Rf

**Rg 96,5**  
Gammut index

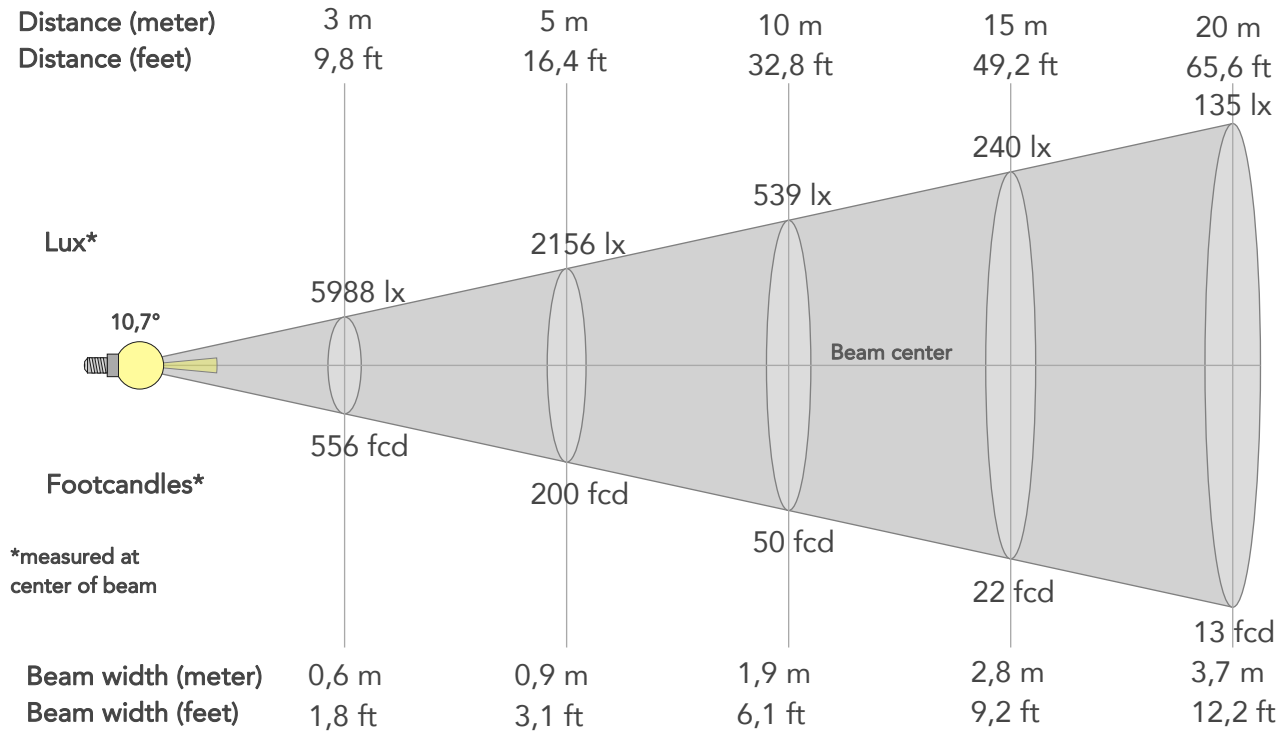
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	81	-11%	-1%
2	82	-8%	6%
3	80	-3%	10%
4	89	2%	7%
5	93	4%	4%
6	93	3%	-2%
7	87	-2%	-8%
8	94	-2%	-2%
9	90	-6%	1%
10	87	-5%	6%
11	85	-2%	11%
12	86	5%	2%
13	88	5%	-7%
14	81	4%	-15%
15	84	-2%	-10%
16	78	-9%	-15%



# BEAM DETAILS



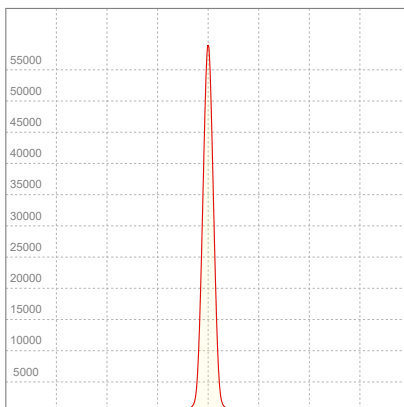
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,7°	19,2°	25,7°	97,5%	94,3%



## 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	53888lx	13472lx	5988lx	3368lx	2156lx	958lx	539lx	240lx	135lx	86lx	60lx	34lx	22lx
Footcand.	5006fcd	1252fcd	556fcd	313fcd	200fcd	89fcd	50fcd	22fcd	13fcd	8fcd	6fcd	3fcd	2fcd
Beam wid.	0,2m	0,4m	0,6m	0,7m	0,9m	1,4m	1,9m	2,8m	3,7m	4,7m	5,6m	7,5m	9,3m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3,1ft	4,6ft	6,1ft	9,2ft	12,2ft	15,3ft	18,4ft	24,5ft	30,6ft

## LINEAR DISTRIBUTION DIAGRAM

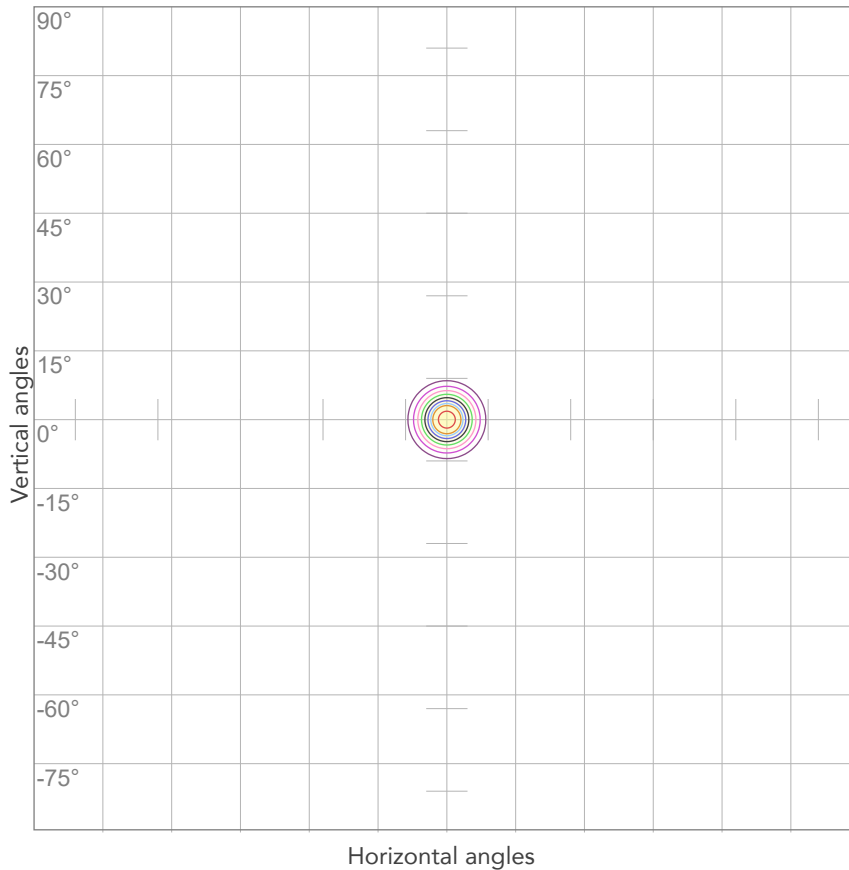


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,228A	44,7W	0,87	61lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



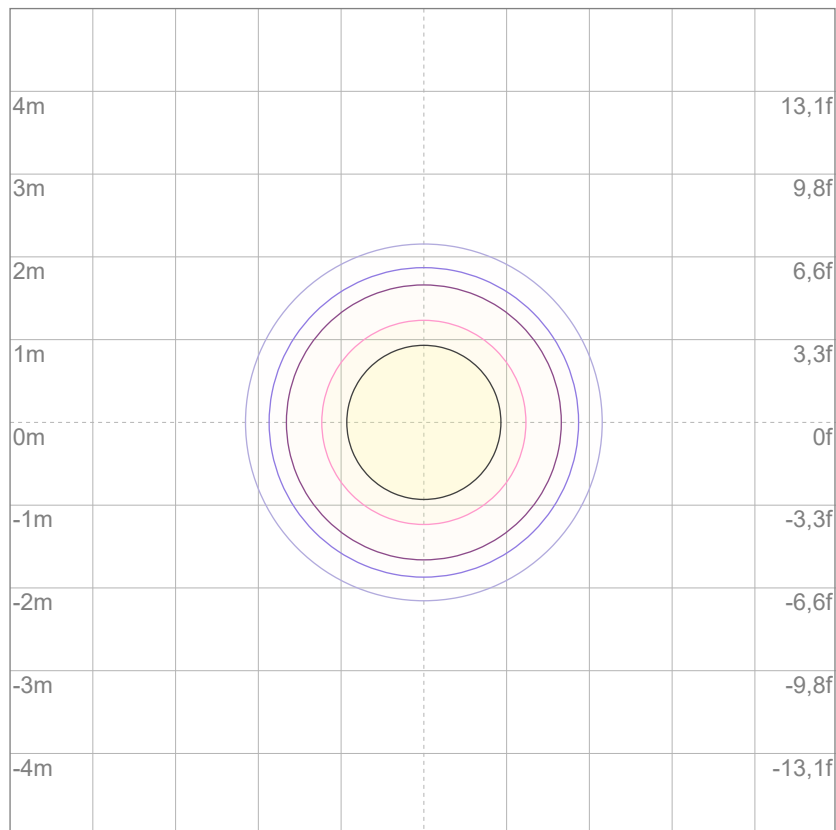
10%	5389 cd
20%	10778 cd
30%	16166 cd
40%	21555 cd
50%	26944 cd
60%	32333 cd
70%	37722 cd
80%	43111 cd

### Conditions:

Number of c-planes: 2

Candela at center: 53888 cd

## ISO LUX DIAGRAM



3%	16,2 lx
5%	26,9 lx
10%	53,9 lx
30%	162 lx
50%	269 lx

### Conditions:

Number of c-planes: 2

Lux at center: 539 lx

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



Total lumen output:

2290 lm

Peak candela output:

9509 cd

Light quality:

CRI: 83,6

Color temperature:

2890 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 20° Filter

Target:

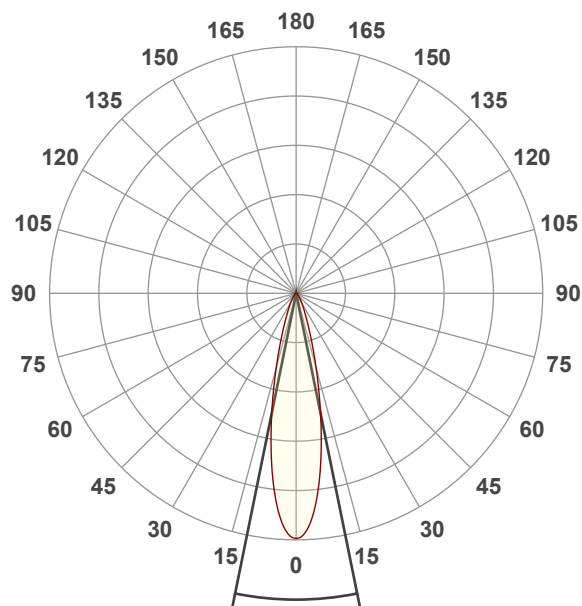
White

Operator:

Salvatore Giglio

Date and time:

09/02/2024 09:26:14

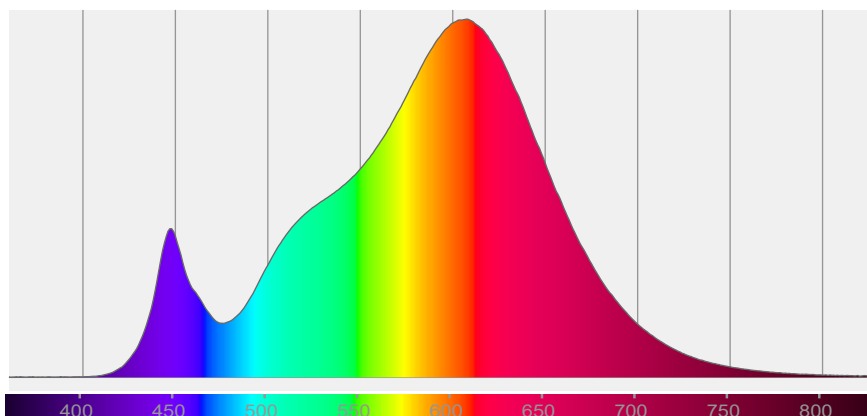


Beam angle 50%: 23°

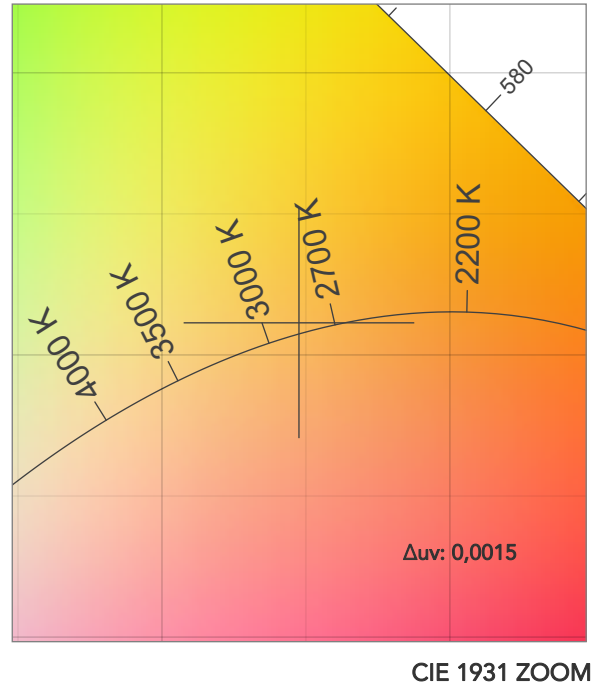
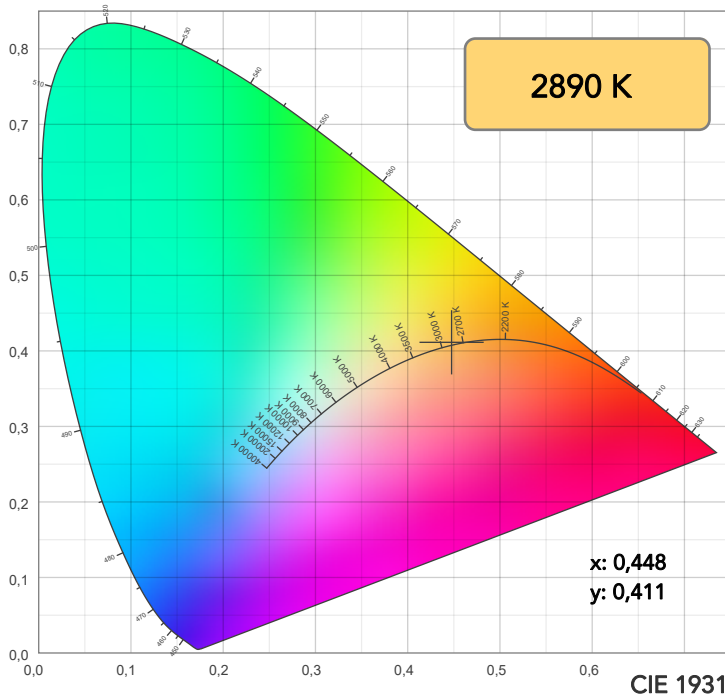
Field angle 10%: 46°

Cut off angle 2.5%: 72,1°

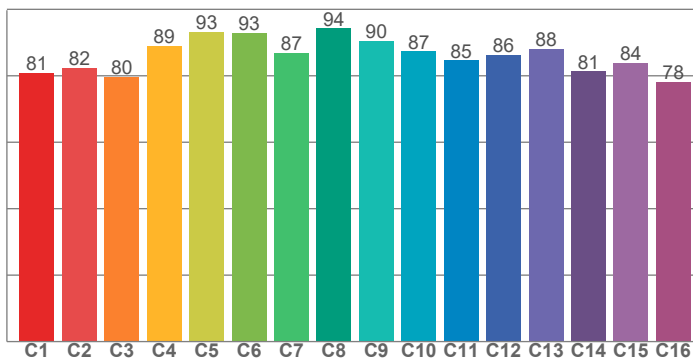
**Spectra**



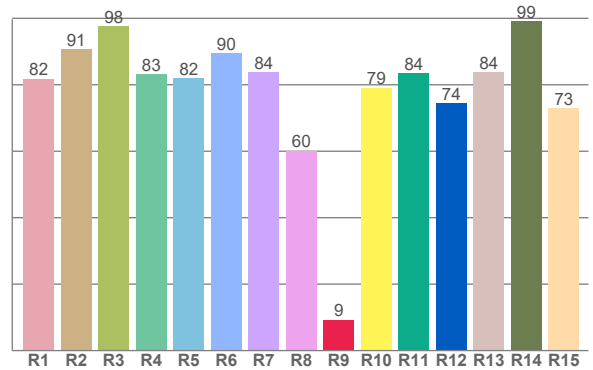
## COLOR DETAILS



TM30: 86,1



CRI: 83,6 (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
81,8	90,6	97,6	83,1	82,0	89,6	83,9	60,2	9,2	79,1	83,6	74,5	83,8	99,1	73,0

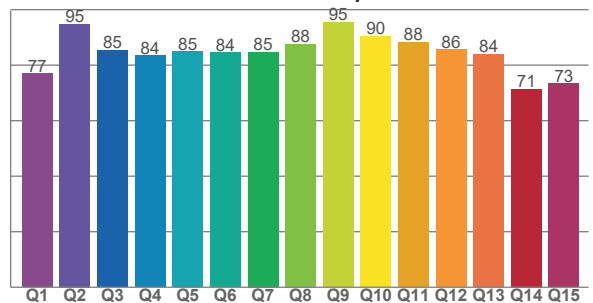
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,8	82,3	79,6	89,1	93,2	92,9	86,8	94,3	90,5	87,4	84,6	86,4	88,1	81,4	83,8	78,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,0	94,9	85,3	83,5	84,9	84,5	84,8	87,6	95,5	90,4	88,2	85,6	83,9	71,4	73,3

CQS: 83,2



## 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	$\Delta uv$
2890 K	83,6	9,2	86,1	96,5	83,2	69	0,448	0,411	0,0015

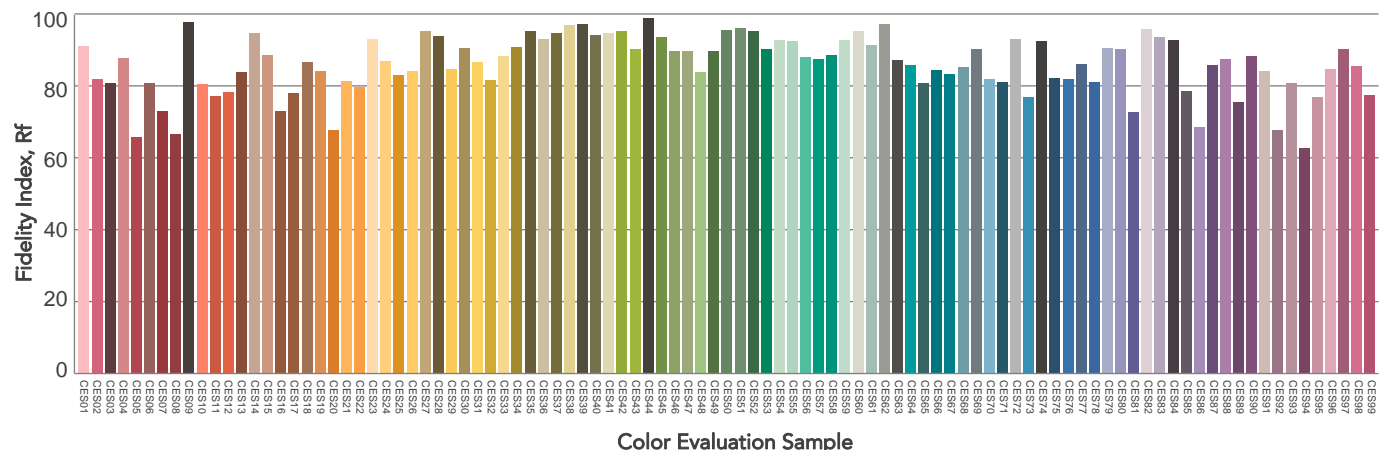
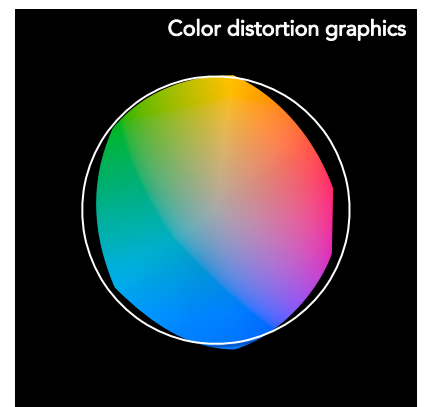
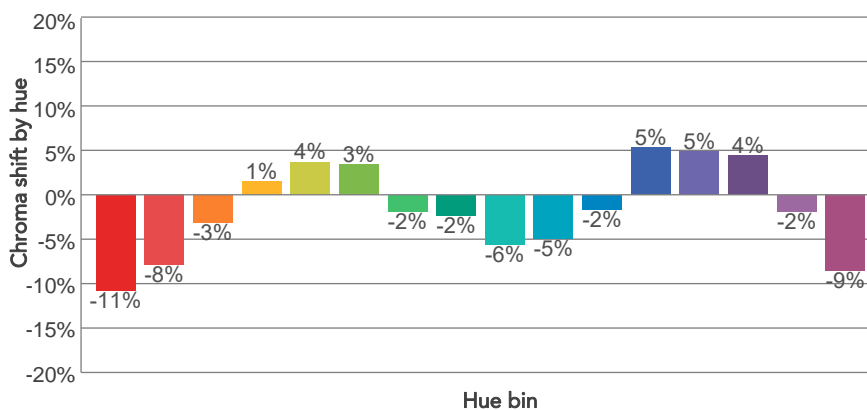
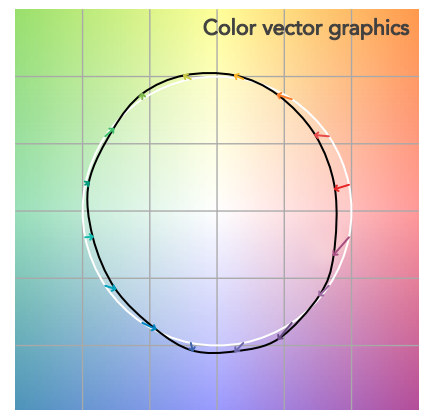
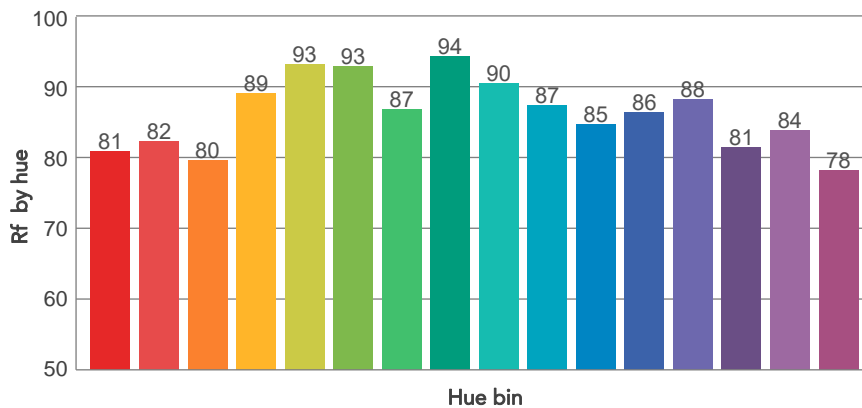
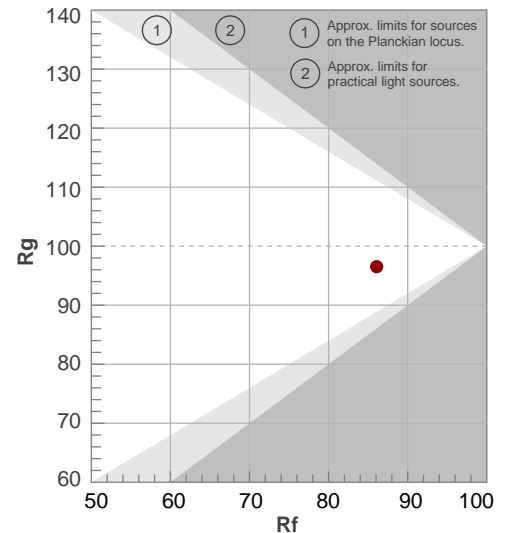


# TM30 DETAILS

**Rf 86,1**  
Fidelity index Rf

**Rg 96,5**  
Gammut index

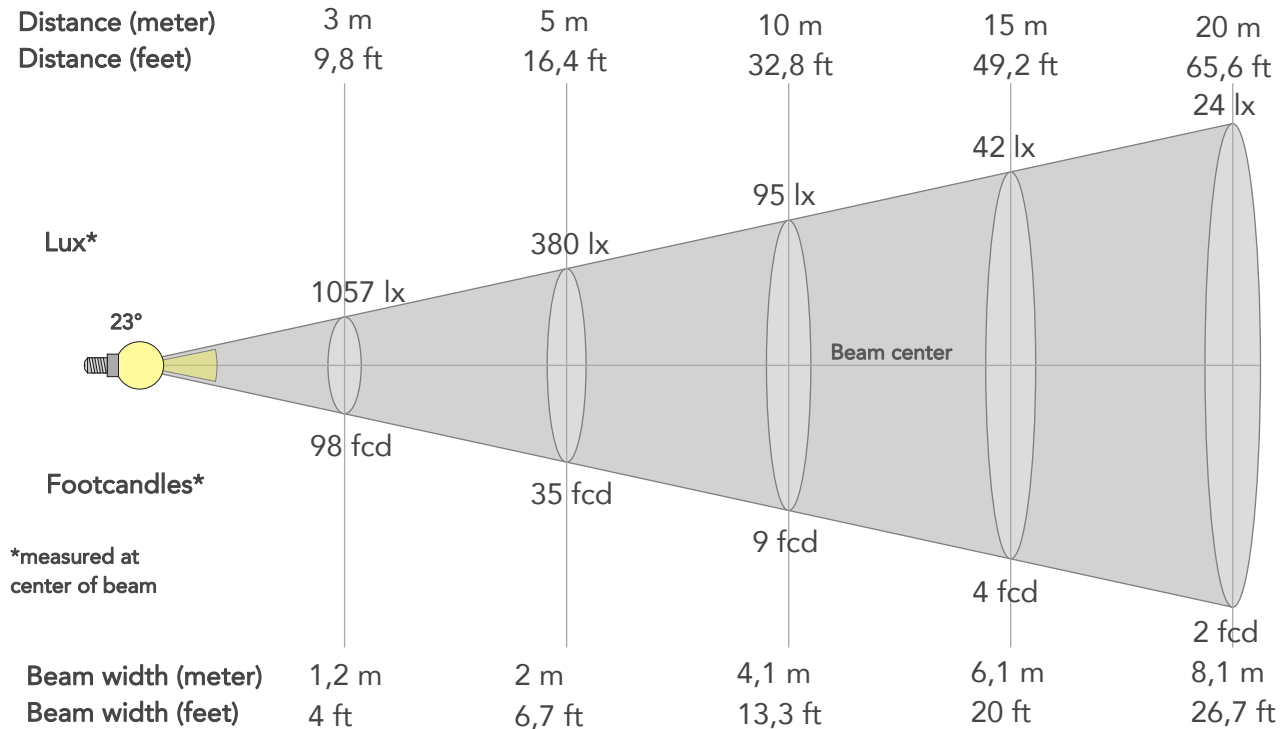
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	81	-11%	-1%
2	82	-8%	6%
3	80	-3%	10%
4	89	1%	7%
5	93	4%	4%
6	93	3%	-2%
7	87	-2%	-8%
8	94	-2%	-2%
9	90	-6%	1%
10	87	-5%	6%
11	85	-2%	11%
12	86	5%	2%
13	88	5%	-7%
14	81	4%	-15%
15	84	-2%	-10%
16	78	-9%	-15%



# BEAM DETAILS



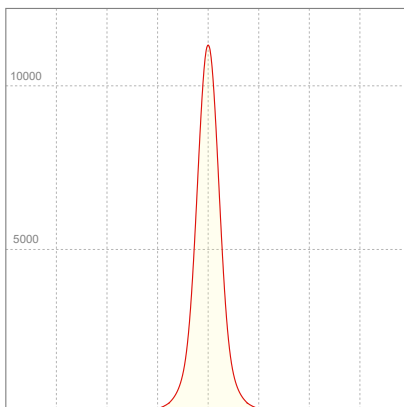
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23°	46°	72,1°	97,2%	92,6%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	9509lx	2377lx	1057lx	594lx	380lx	169lx	95lx	42lx	24lx	15lx	11lx	6lx	4lx
Footcand.	883fcd	221fcd	98fcd	55fcd	35fcd	16fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3m	4,1m	6,1m	8,1m	10,2m	12,2m	16,3m	20,3m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,7ft	10ft	13,3ft	20ft	26,7ft	33,3ft	40ft	53,4ft	66,7ft

## LINEAR DISTRIBUTION DIAGRAM

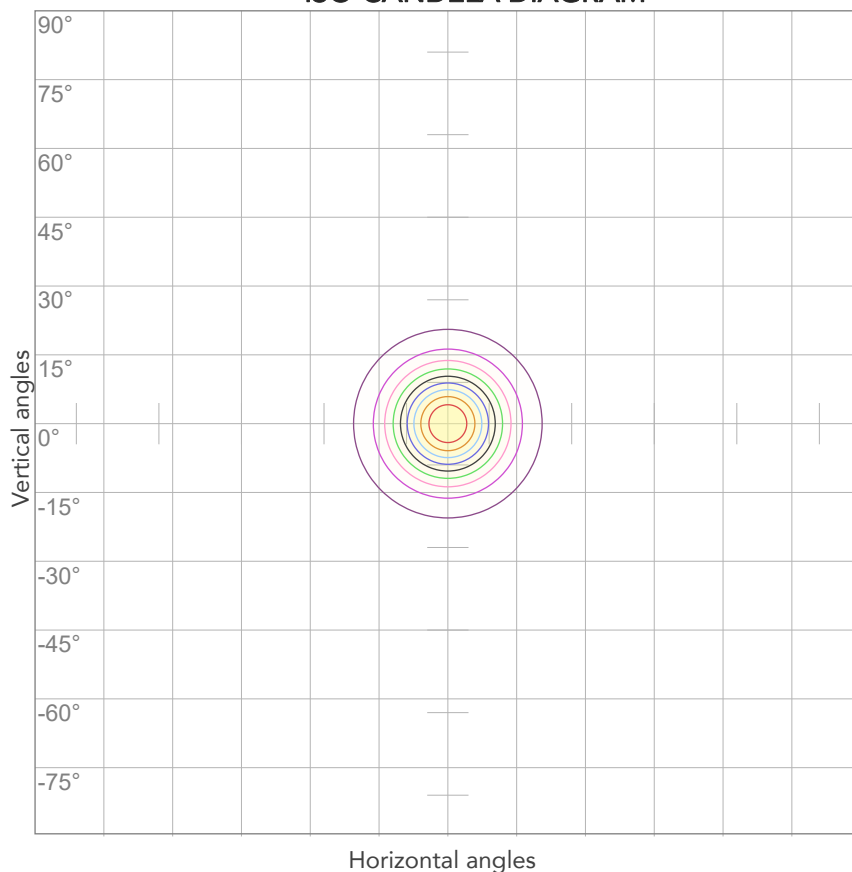


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,229A	44,8W	0,86	51lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



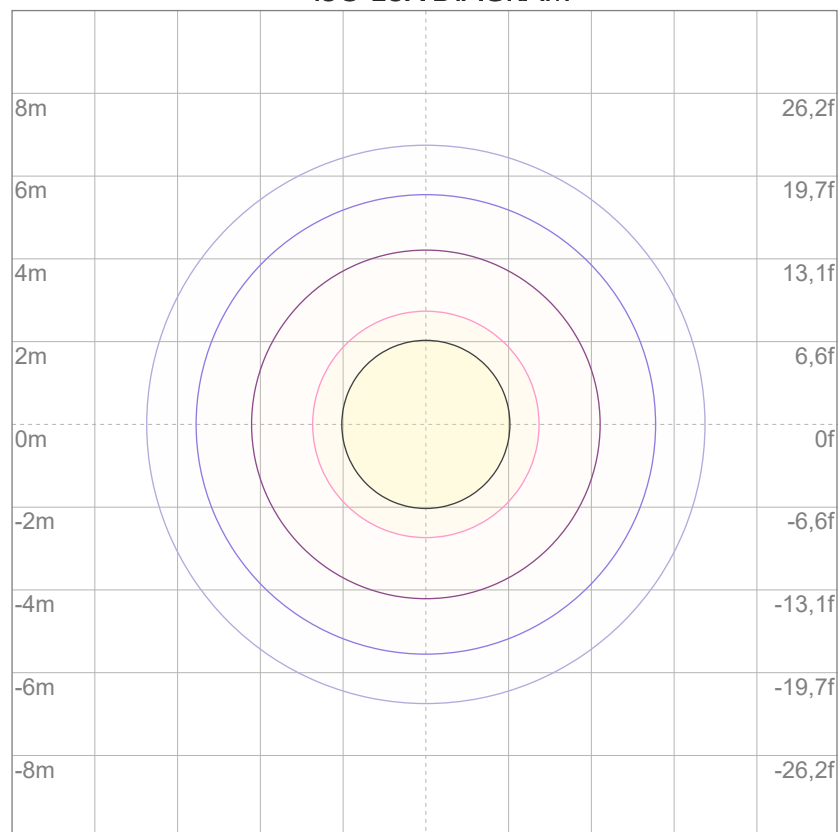
10%	951 cd
20%	1902 cd
30%	2853 cd
40%	3804 cd
50%	4754 cd
60%	5705 cd
70%	6656 cd
80%	7607 cd

### Conditions:

Number of c-planes: 2

Candela at center: 9509 cd

## ISO LUX DIAGRAM



3%	2,85 lx
5%	4,75 lx
10%	9,51 lx
30%	28,5 lx
50%	47,5 lx

### Conditions:

Number of c-planes: 2

Lux at center: 95,1 lx

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



Total lumen output:

2266 lm

Peak candela output:

3040 cd

Light quality:

CRI: 83,6

Color temperature:

2896 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 40° Filter

Target:

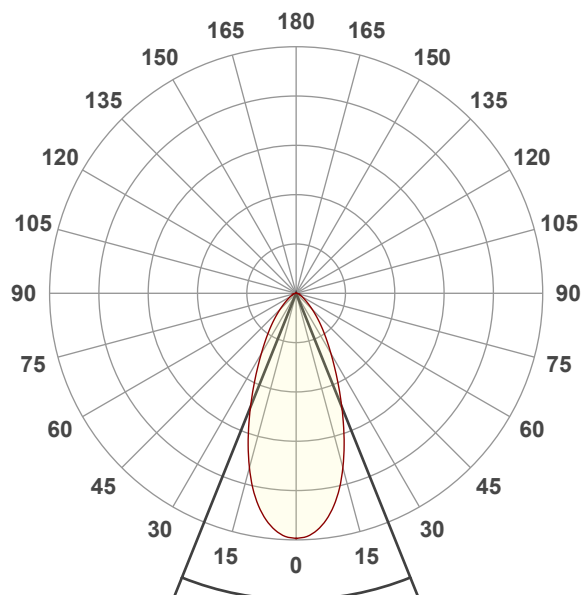
White

Operator:

Salvatore Giglio

Date and time:

09/02/2024 09:18:37

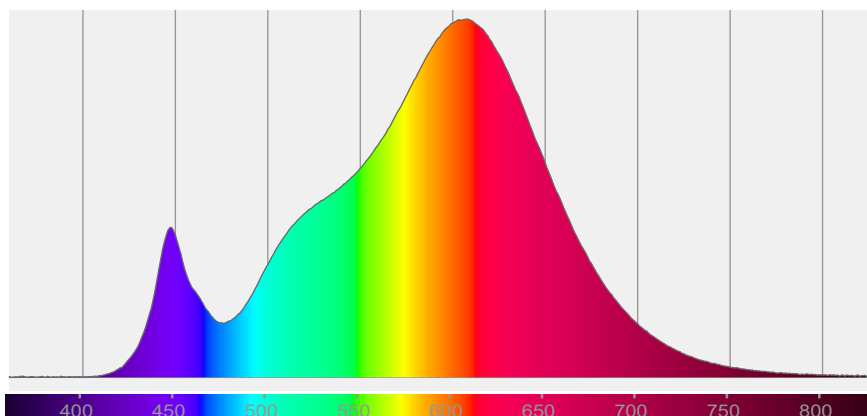


Beam angle 50%: 43,8°

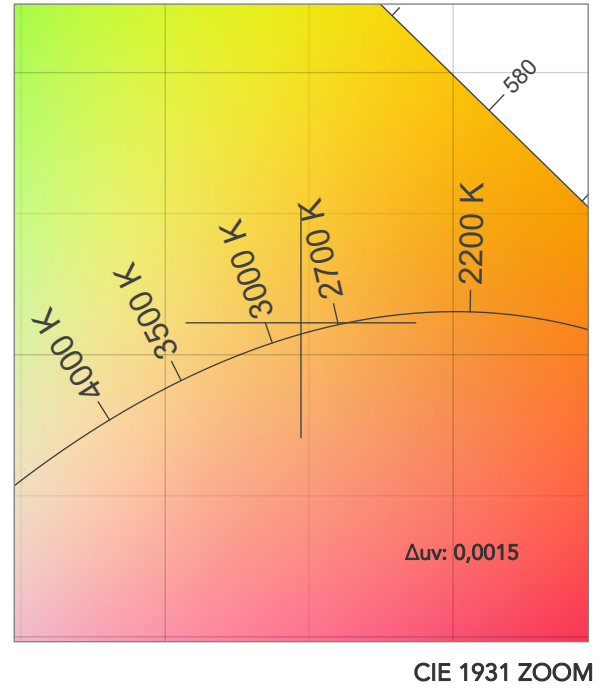
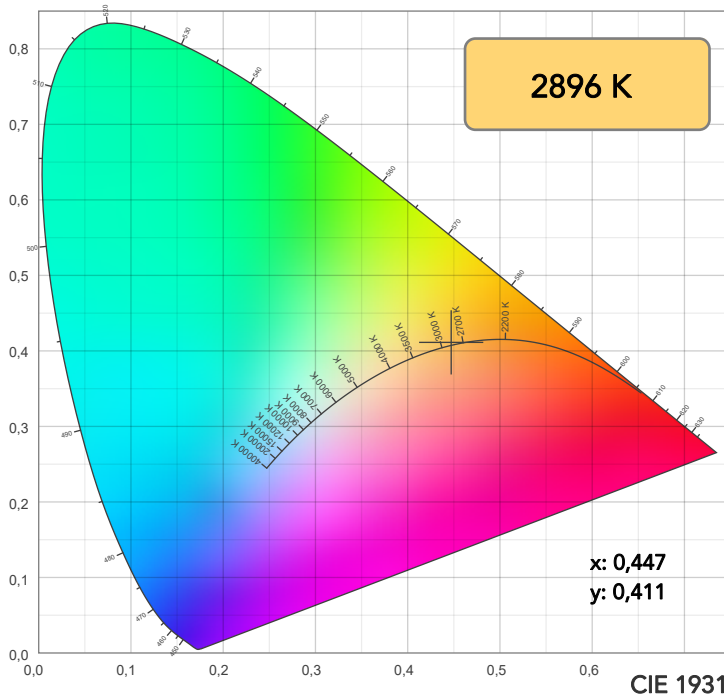
Field angle 10%: 88,3°

Cut off angle 2.5%: 123,3°

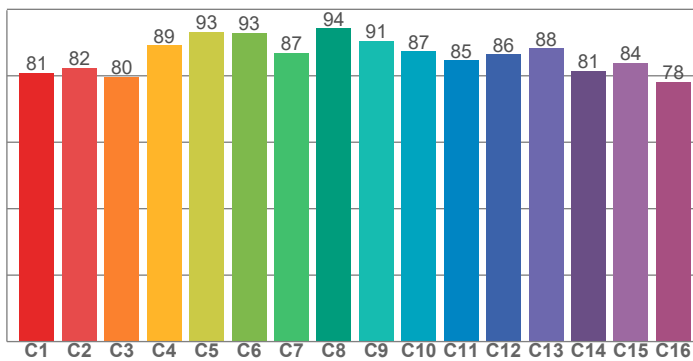
**Spectra**



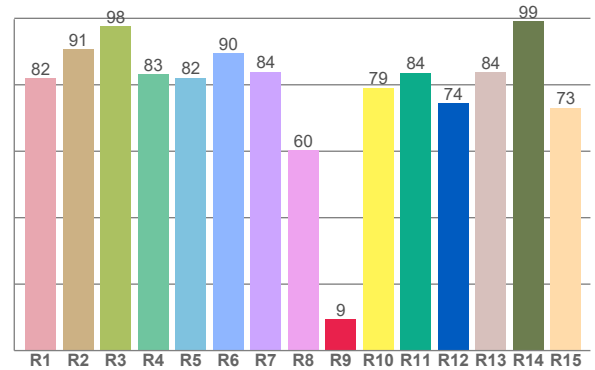
## COLOR DETAILS



TM30: 86,1



CRI: 83,6 (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
81,9	90,6	97,6	83,2	82,1	89,6	83,9	60,3	9,4	79,2	83,7	74,5	83,9	99,1	73,1

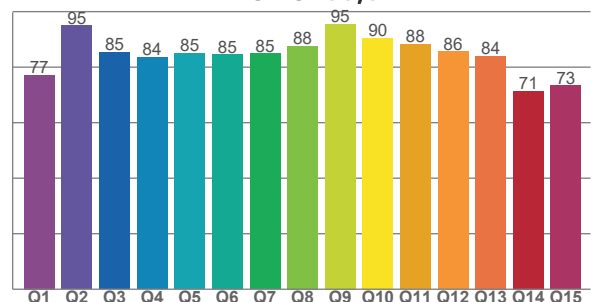
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,9	82,4	79,7	89,1	93,2	92,9	86,9	94,3	90,5	87,4	84,6	86,4	88,2	81,4	83,8	78,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,1	94,9	85,3	83,6	85,0	84,5	84,8	87,7	95,5	90,4	88,3	85,6	84,0	71,5	73,4

CQS: 83,3



## COLOR PARAMETERS

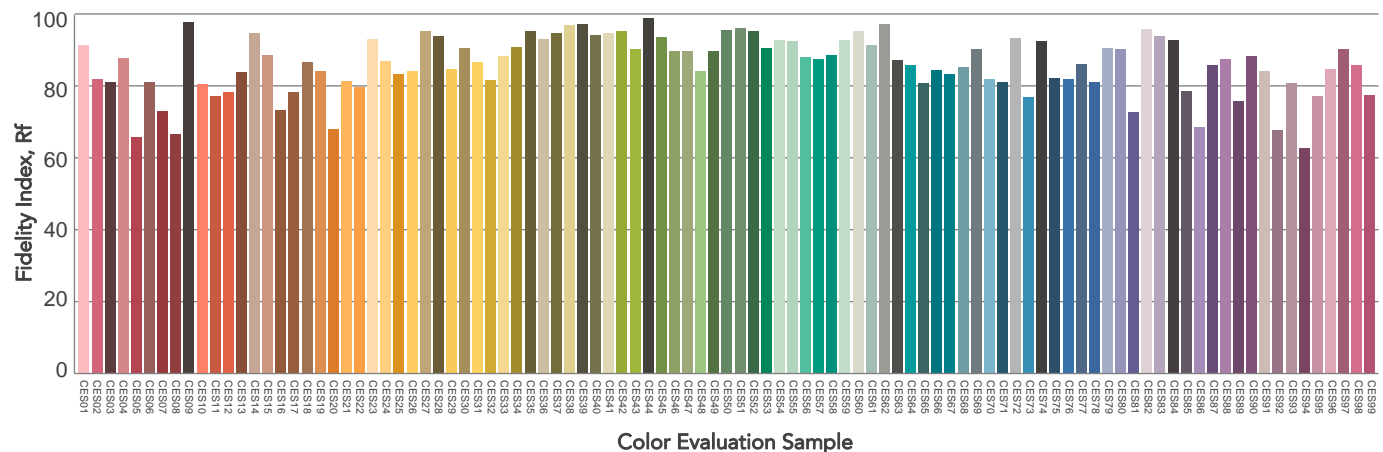
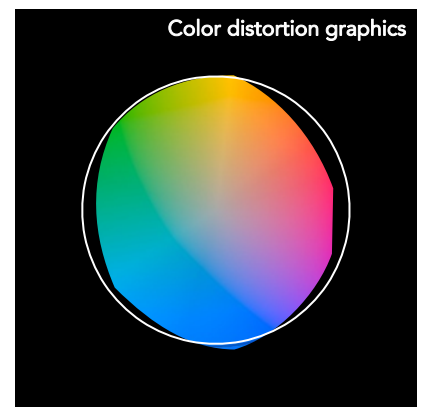
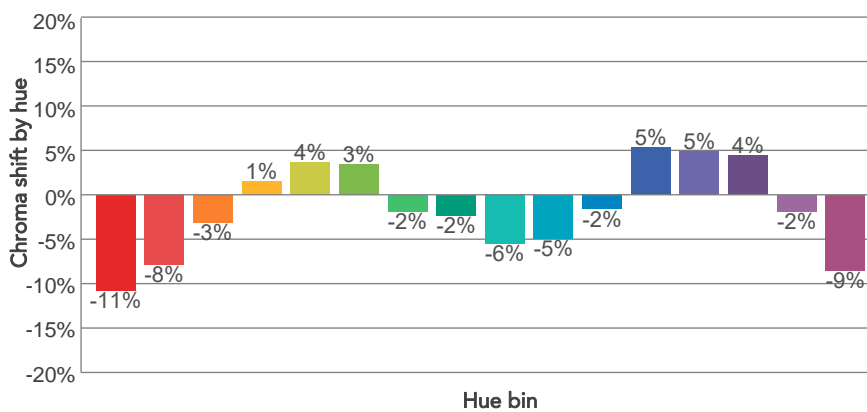
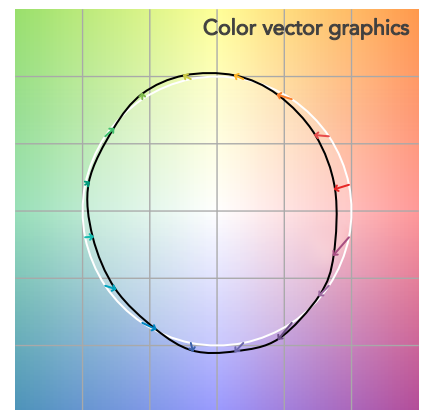
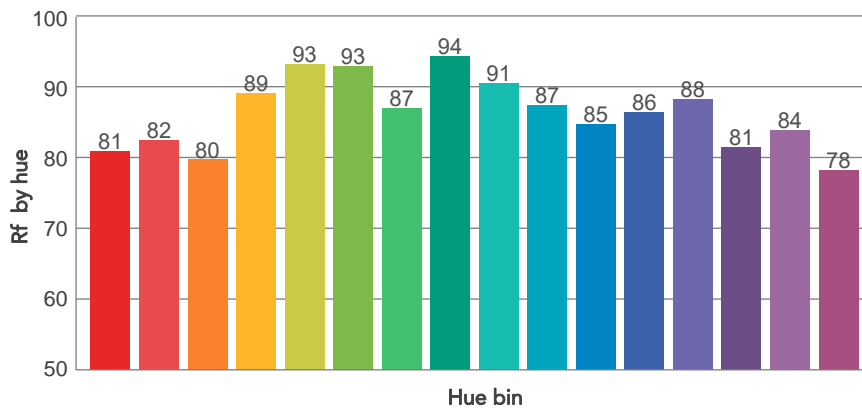
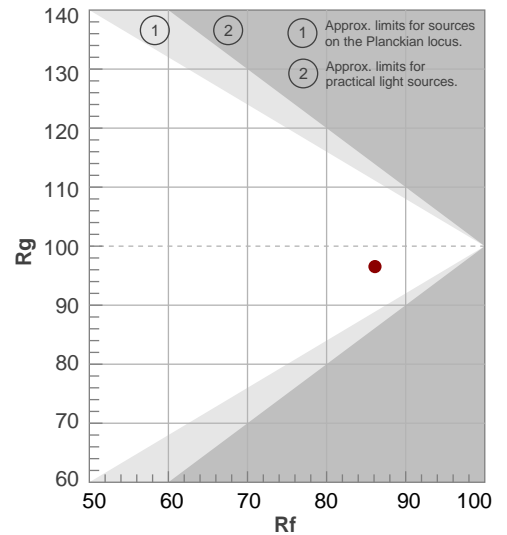
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2896 K	83,6	9,4	86,1	96,5	83,3	69	0,447	0,411	0,0015

# TM30 DETAILS

**Rf 86,1**  
Fidelity index Rf

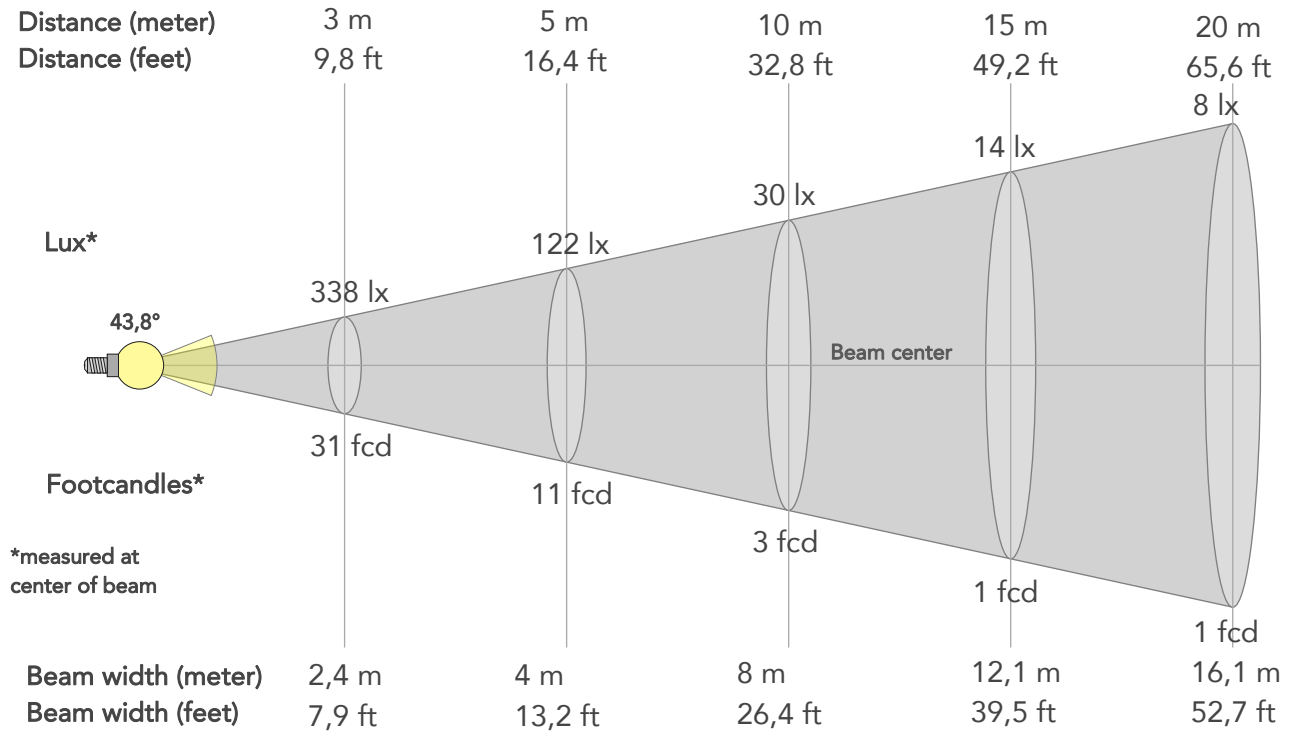
**Rg 96,5**  
Gammut index

		Graphic shifts (%)	
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	81	-11%	-1%
2	82	-8%	6%
3	80	-3%	10%
4	89	1%	7%
5	93	4%	4%
6	93	3%	-2%
7	87	-2%	-8%
8	94	-2%	-2%
9	91	-6%	1%
10	87	-5%	6%
11	85	-2%	11%
12	86	5%	3%
13	88	5%	-7%
14	81	4%	-15%
15	84	-2%	-10%
16	78	-9%	-15%



# BEAM DETAILS

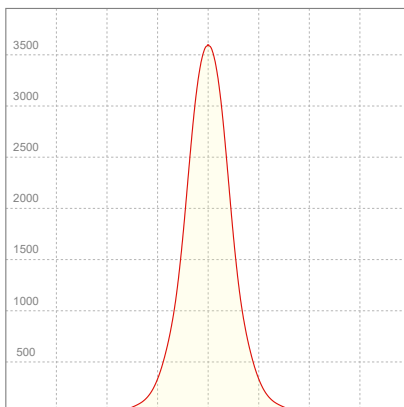
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43,8°	88,3°	123,3°	95,9%	86,8%



## 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	3040lx	760lx	338lx	190lx	122lx	54lx	30lx	14lx	8lx	5lx	3lx	2lx	1lx
Footcand.	282fcd	71fcd	31fcd	18fcd	11fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,2m	4m	6m	8m	12,1m	16,1m	20,1m	24,1m	32,1m	40,2m
Beam wid.	2,7ft	5,3ft	7,9ft	10,5ft	13,2ft	19,8ft	26,4ft	39,5ft	52,7ft	65,9ft	79,1ft	105,4ft	131,8ft

## LINEAR DISTRIBUTION DIAGRAM

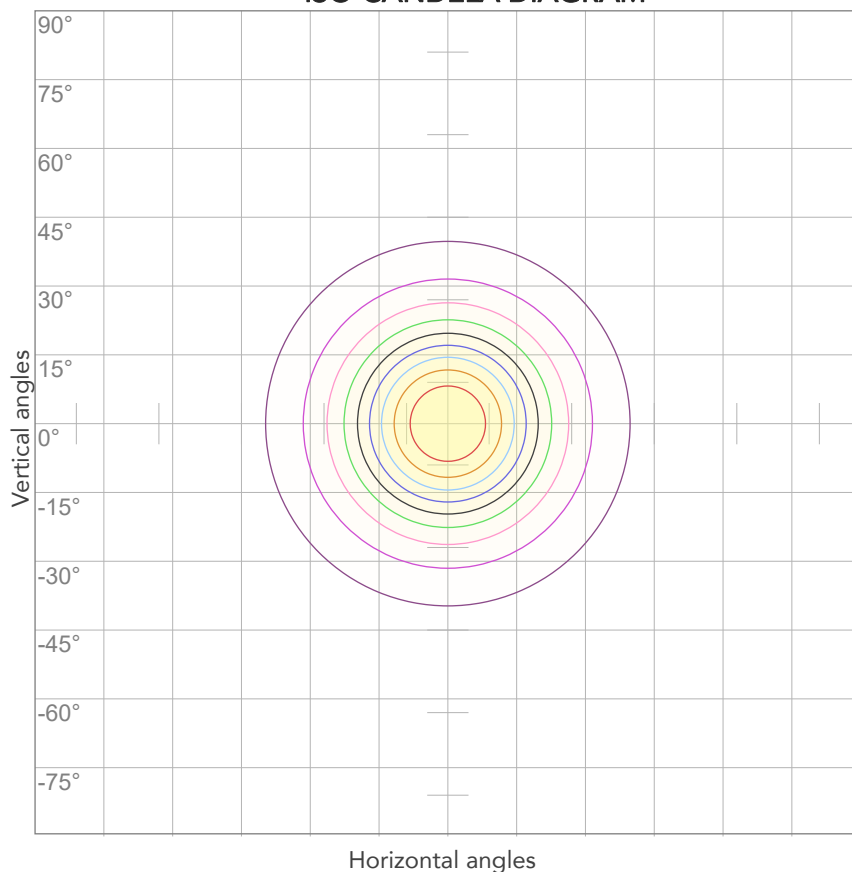


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,230A	45,1W	0,87	50lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



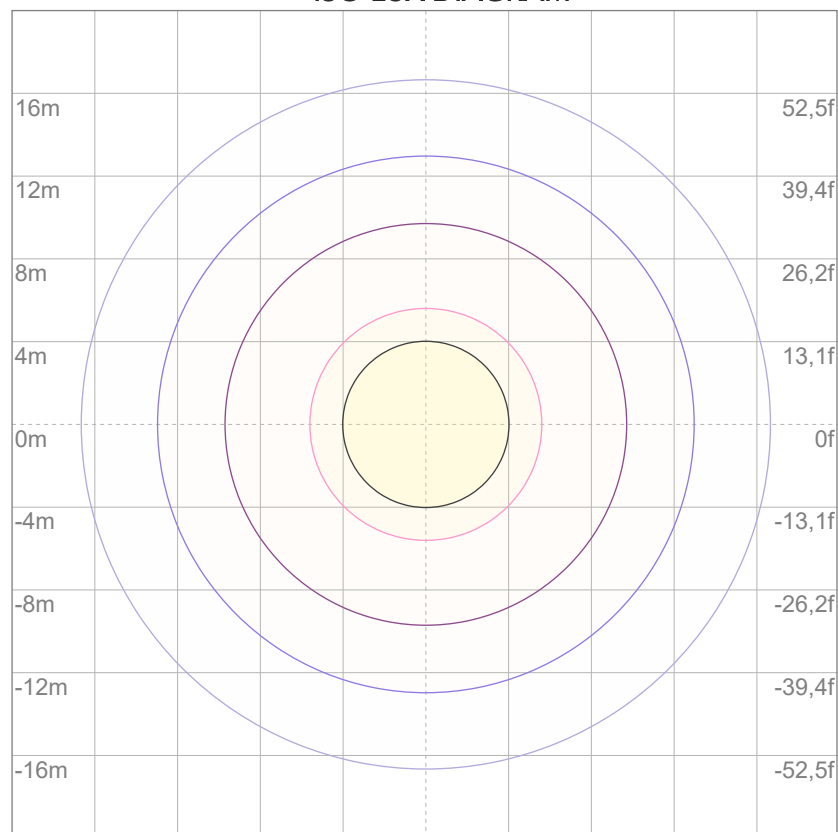
10%	304 cd
20%	608 cd
30%	912 cd
40%	1216 cd
50%	1520 cd
60%	1824 cd
70%	2128 cd
80%	2432 cd

### Conditions:

Number of c-planes: 2

Candela at center: 3040 cd

## ISO LUX DIAGRAM



3%	0,912 lx
5%	1,52 lx
10%	3,04 lx
30%	9,12 lx
50%	15,2 lx

### Conditions:

Number of c-planes: 2

Lux at center: 30,4 lx

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





Total lumen output:

2297 lm

Peak candela output:

2032 cd

Light quality:

CRI: 83,7

Color temperature:

2898 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 60° Filter

Target:

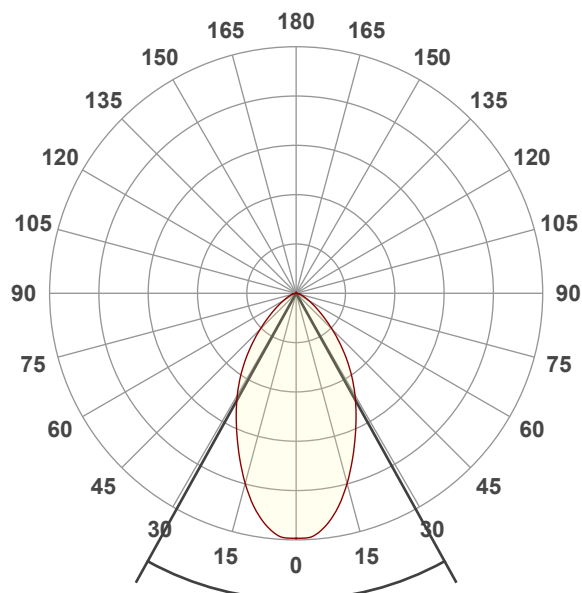
White

Operator:

Salvatore Giglio

Date and time:

09/02/2024 09:48:04

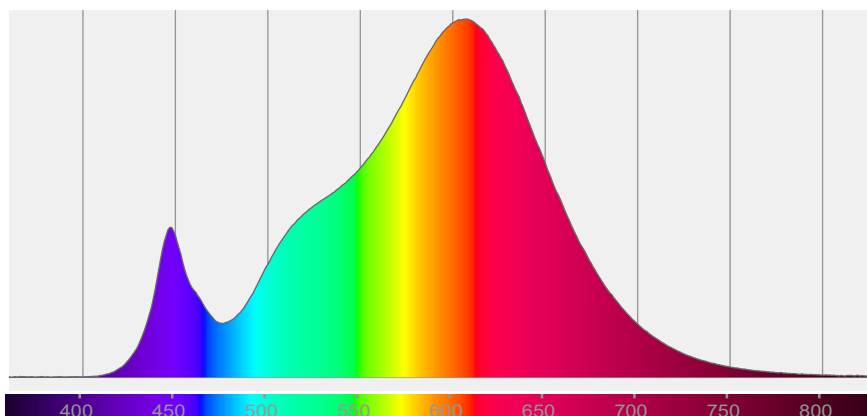


Beam angle 50%: 58°

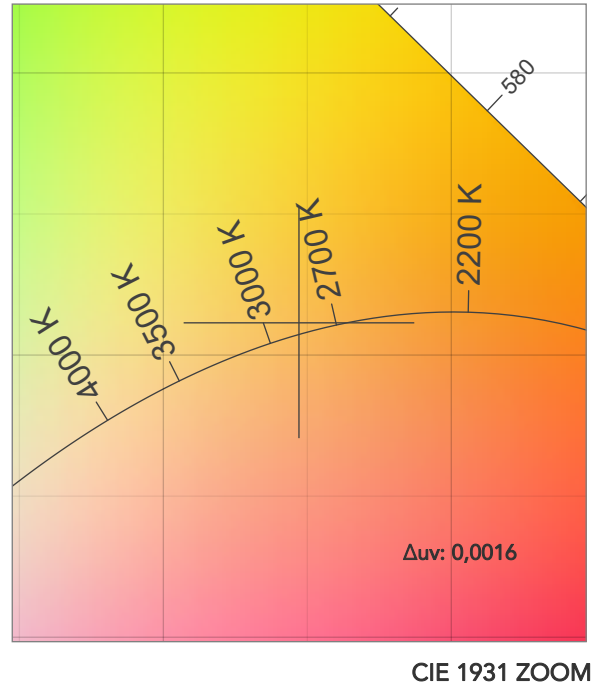
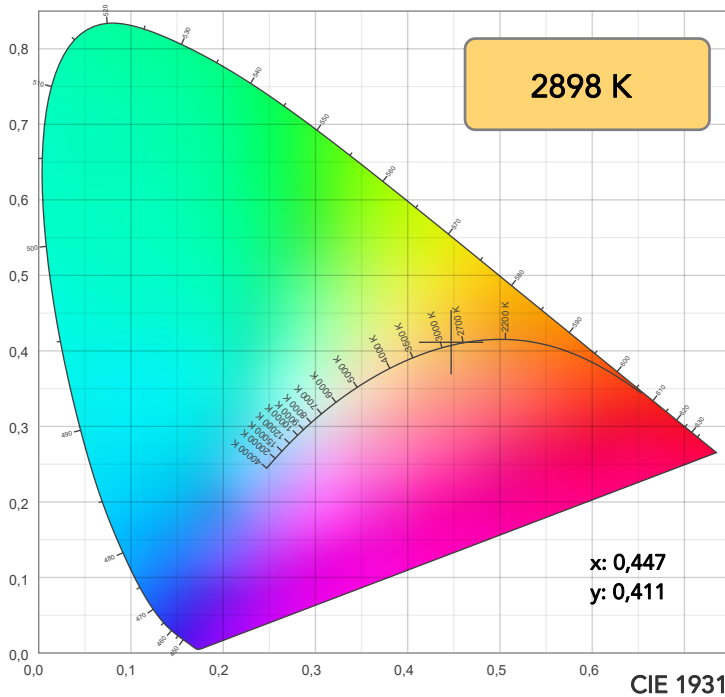
Field angle 10%: 108,4°

Cut off angle 2.5%: 140,2°

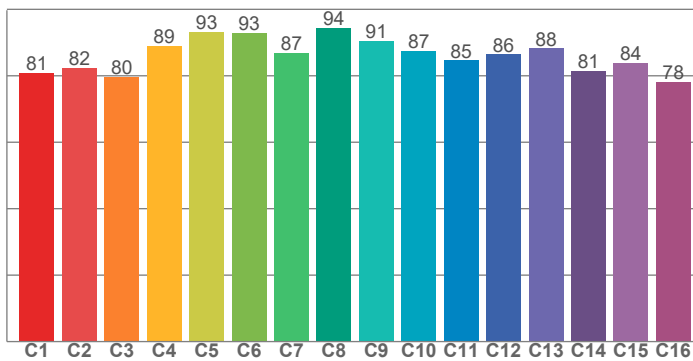
**Spectra**



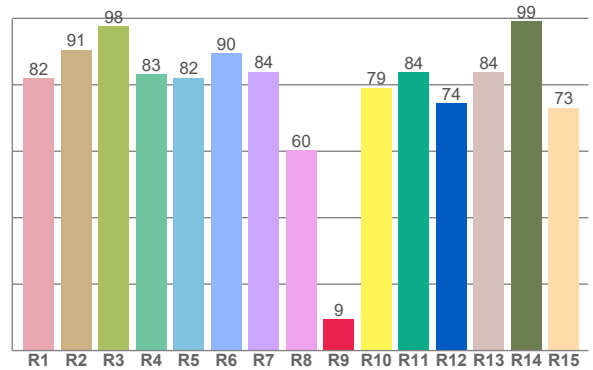
## COLOR DETAILS



TM30: 86,1



CRI: 83,7 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
81,9	90,6	97,7	83,2	82,1	89,5	84,0	60,3	9,4	79,1	83,7	74,4	83,8	99,1	73,1

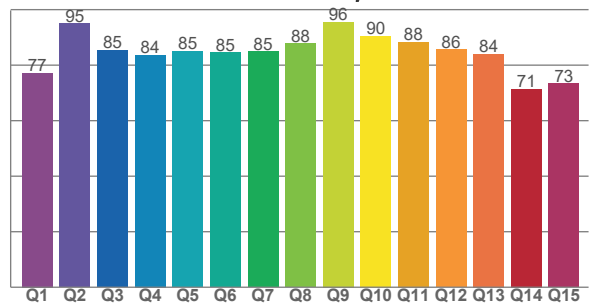
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,9	82,4	79,7	89,1	93,2	92,9	86,9	94,3	90,5	87,4	84,7	86,4	88,2	81,4	83,8	78,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,1	94,9	85,4	83,6	85,0	84,5	84,9	87,7	95,5	90,4	88,3	85,7	84,0	71,5	73,4

CQS: 83,3



## COLOR PARAMETERS

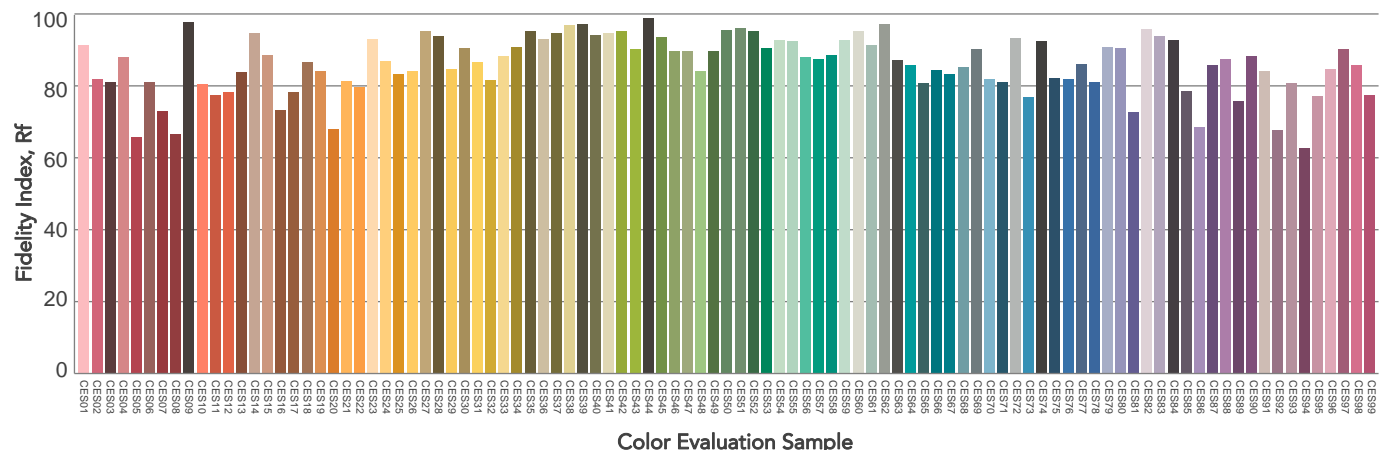
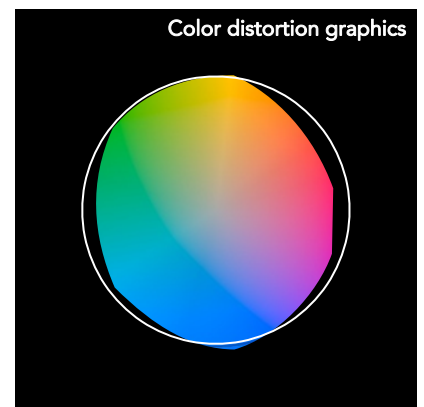
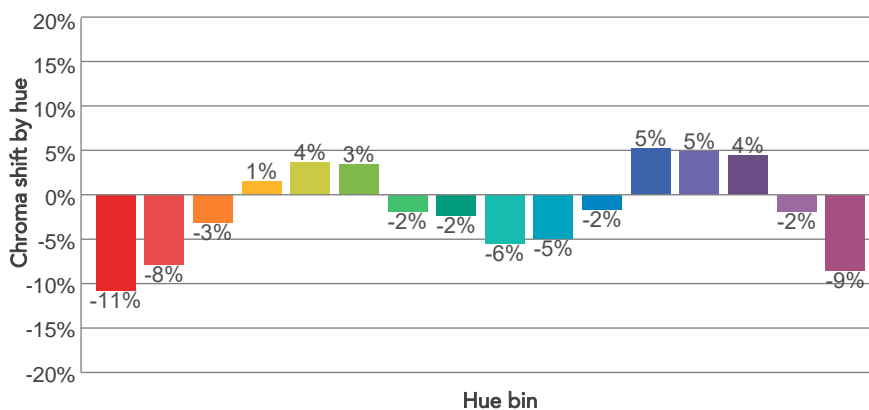
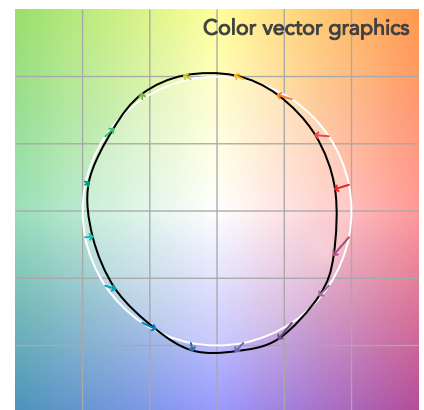
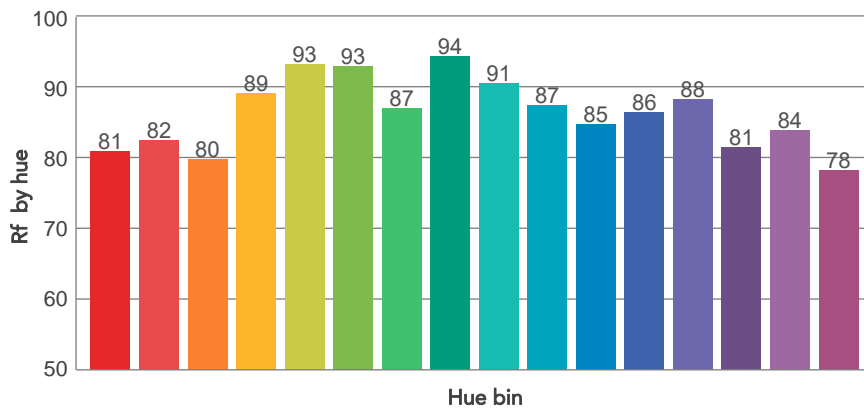
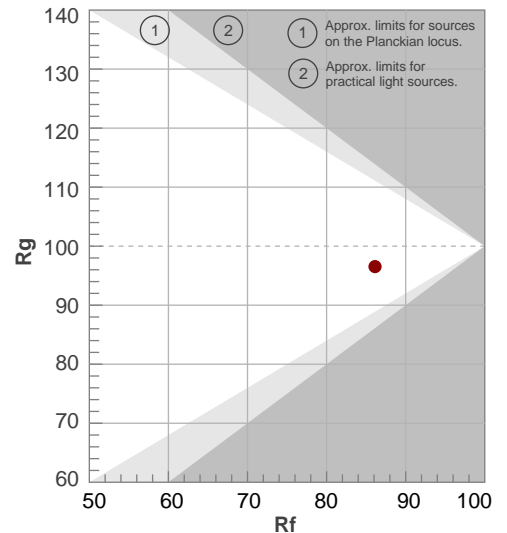
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2898 K	83,7	9,4	86,1	96,5	83,3	69	0,447	0,411	0,0016

# TM30 DETAILS

**Rf 86,1**  
Fidelity index Rf

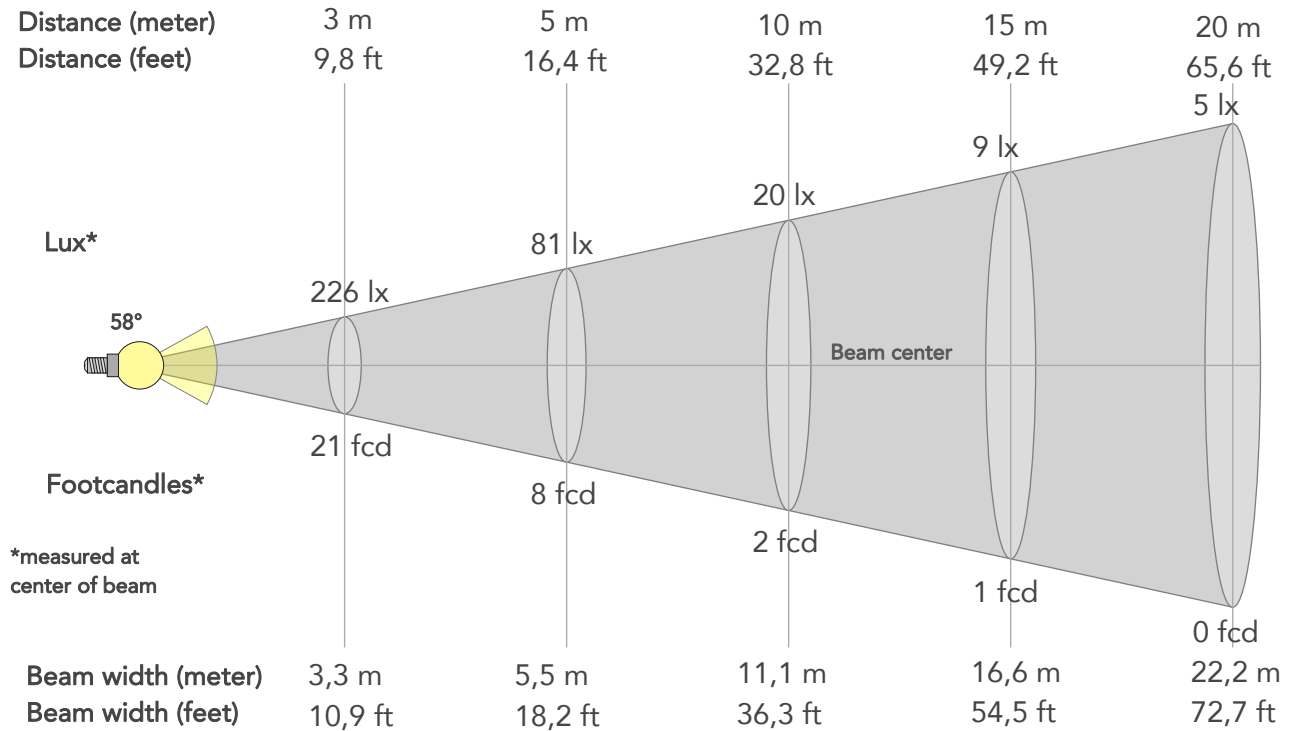
**Rg 96,5**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	81	-11%	-1%
2	82	-8%	6%
3	80	-3%	10%
4	89	1%	7%
5	93	4%	4%
6	93	3%	-2%
7	87	-2%	-8%
8	94	-2%	-2%
9	91	-6%	1%
10	87	-5%	6%
11	85	-2%	11%
12	86	5%	3%
13	88	5%	-7%
14	81	4%	-15%
15	84	-2%	-10%
16	78	-9%	-15%



# BEAM DETAILS

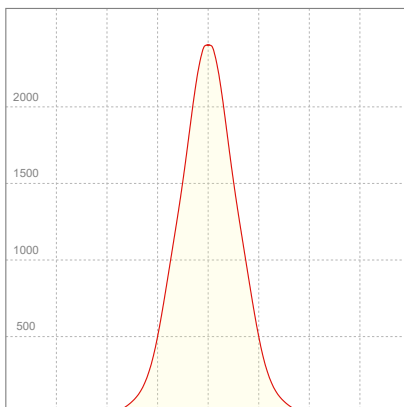
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58°	108,4°	140,2°	94,4%	80,7%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2032lx	508lx	226lx	127lx	81lx	36lx	20lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	189fcd	47fcd	21fcd	12fcd	8fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,3m	11,1m	16,6m	22,2m	27,7m	33,2m	44,3m	55,4m
Beam wid.	3,7ft	7,3ft	10,9ft	14,5ft	18,2ft	27,3ft	36,3ft	54,5ft	72,7ft	90,9ft	109ft	145,4ft	181,7ft

## LINEAR DISTRIBUTION DIAGRAM

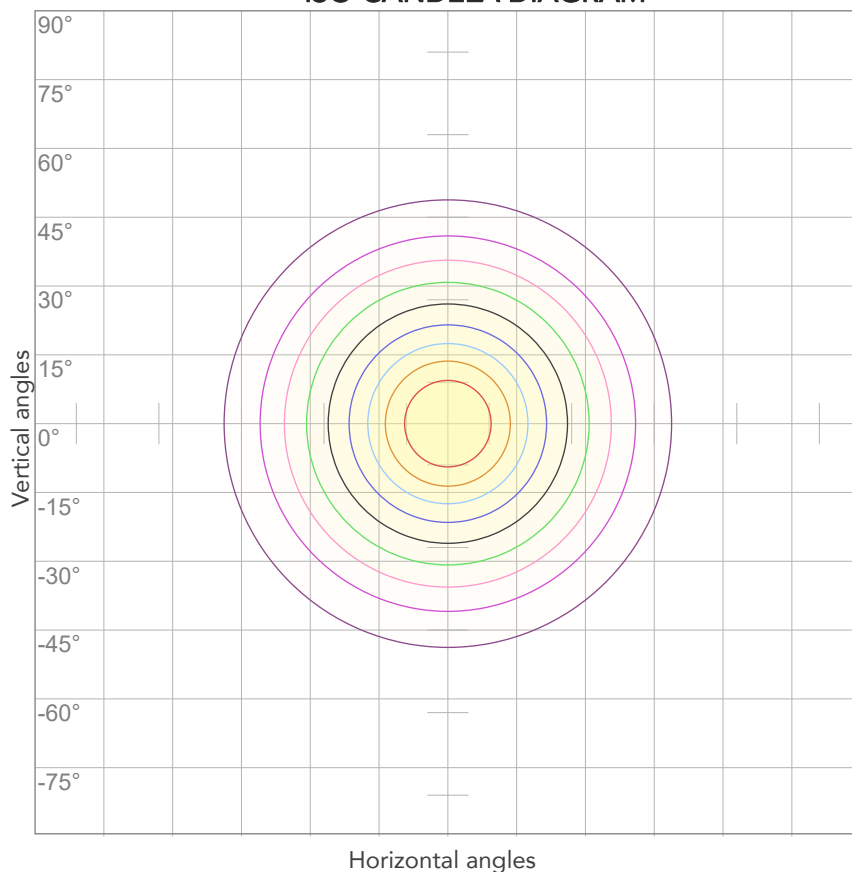


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,231A	44,9W	0,86	51lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



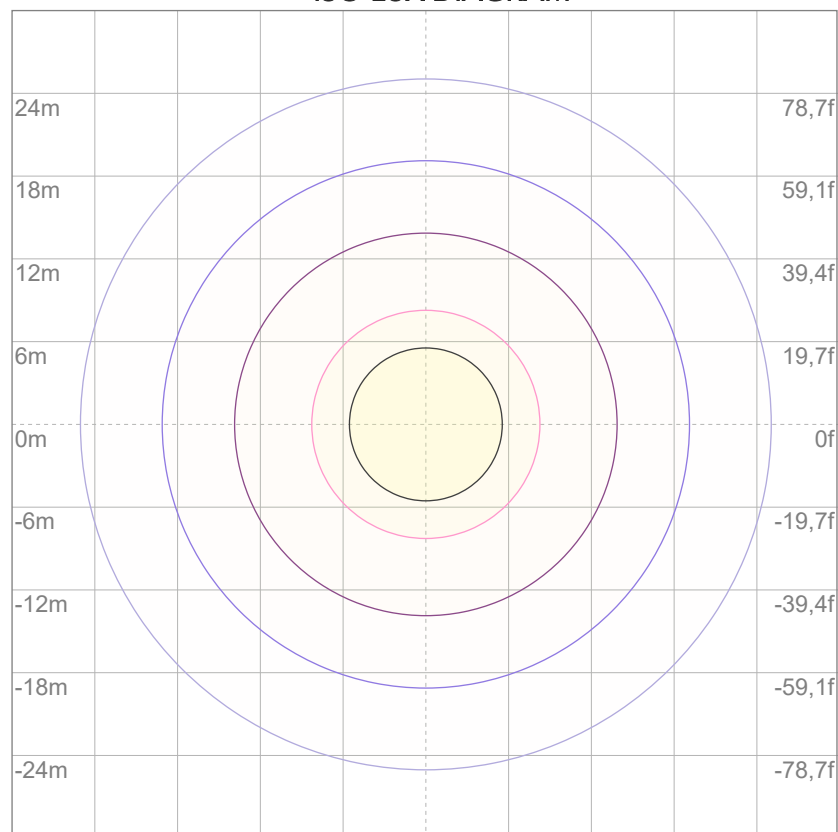
10%	203 cd
20%	406 cd
30%	610 cd
40%	813 cd
50%	1016 cd
60%	1219 cd
70%	1422 cd
80%	1626 cd

### Conditions:

Number of c-planes: 2

Candela at center: 2032 cd

## ISO LUX DIAGRAM



3%	0,610 lx
5%	1,02 lx
10%	2,03 lx
30%	6,10 lx
50%	10,2 lx

### Conditions:

Number of c-planes: 2

Lux at center: 20,3 lx

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



Total lumen output:

3278 lm

Peak candela output:

6860 cd

Light quality:

CRI: 83,5

Color temperature:

2882 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 10°x60° Filter

Target:

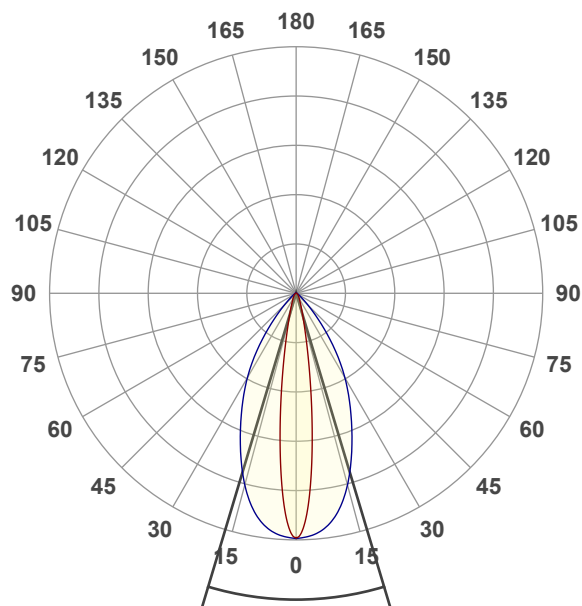
White

Operator:

Salvatore Giglio

Date and time:

09/02/2024 10:44:22

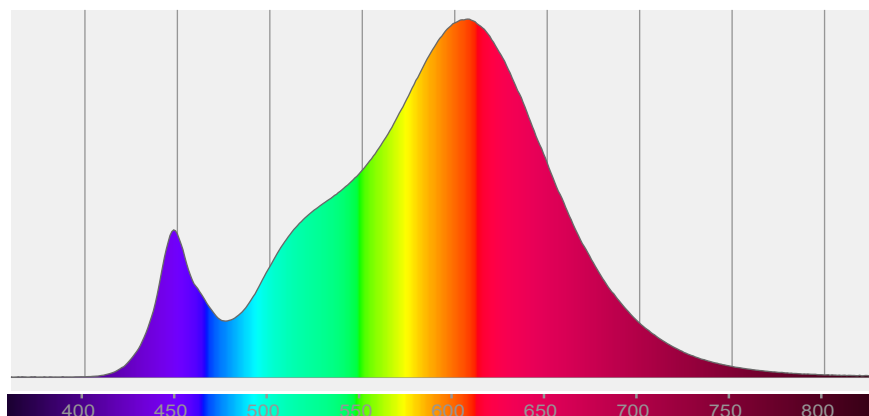


Beam angle 50%: 33,4°

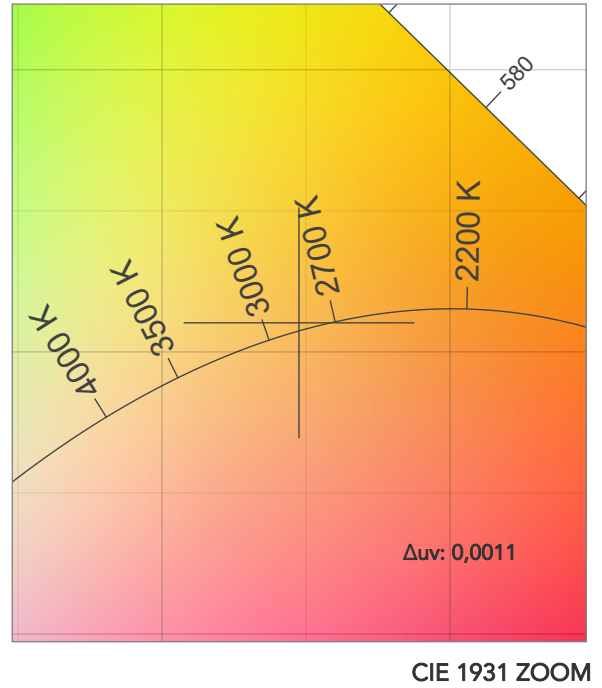
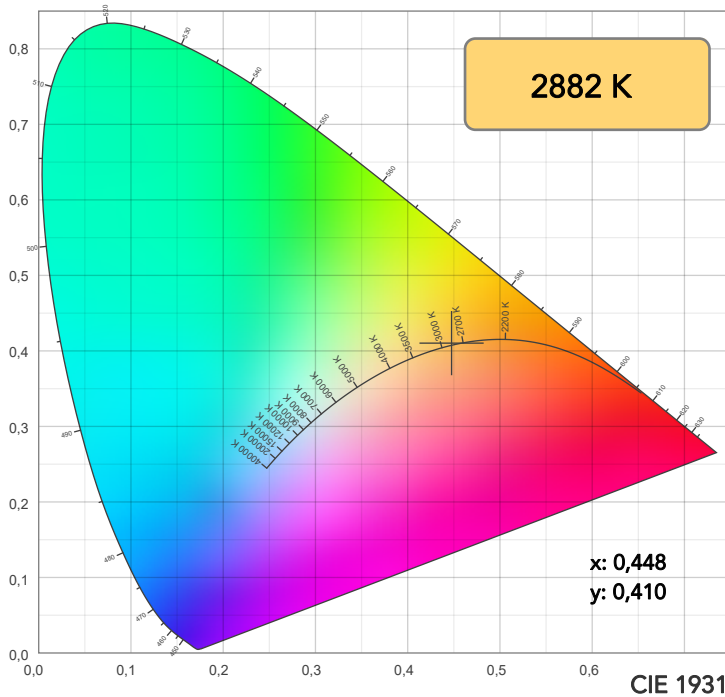
Field angle 10%: 58,7°

Cut off angle 2.5%: 82,9°

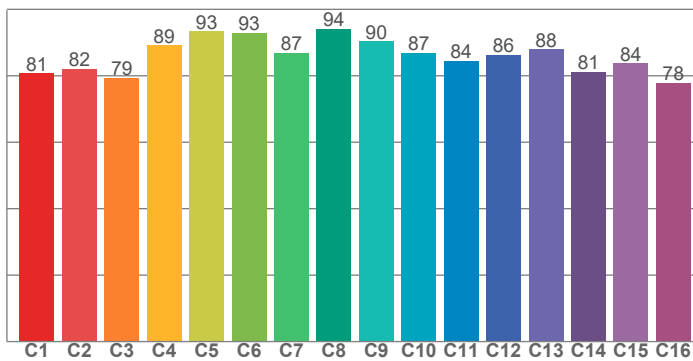
**Spectra**



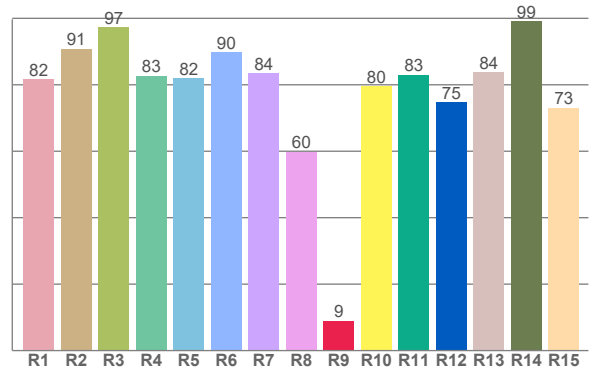
## COLOR DETAILS



TM30: 86,0



CRI: 83,5 (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
81,8	90,8	97,4	82,7	82,0	89,8	83,5	59,8	9,0	79,6	83,0	74,8	83,9	99,1	73,1

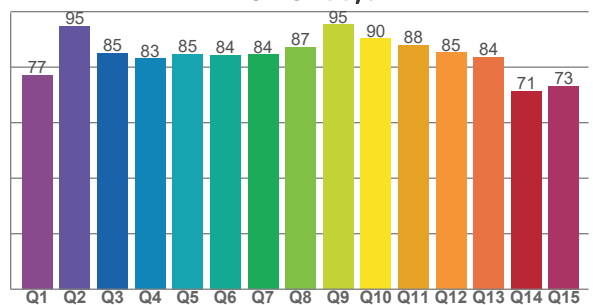
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,7	82,1	79,4	89,1	93,3	92,9	86,9	94,1	90,3	86,9	84,4	86,3	88,0	81,2	83,8	77,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,0	94,8	85,1	83,0	84,7	84,4	84,5	87,2	95,3	90,3	87,9	85,2	83,6	71,4	73,3

CQS: 83,0



## 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	$\Delta uv$
2882 K	83,5	9,0	86,0	96,4	83,0	69	0,448	0,410	0,0011

## TM30 DETAILS

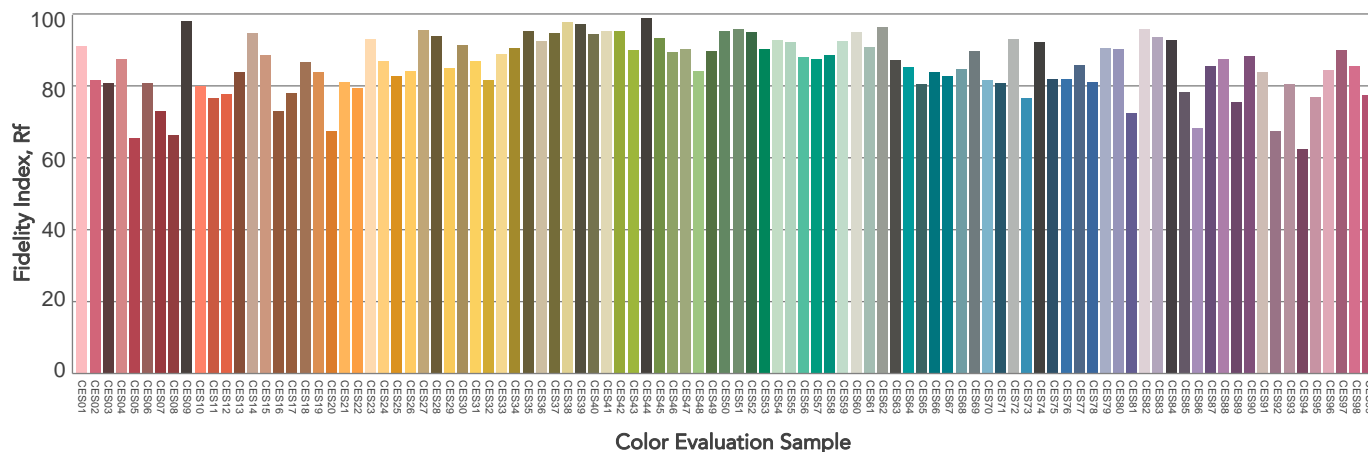
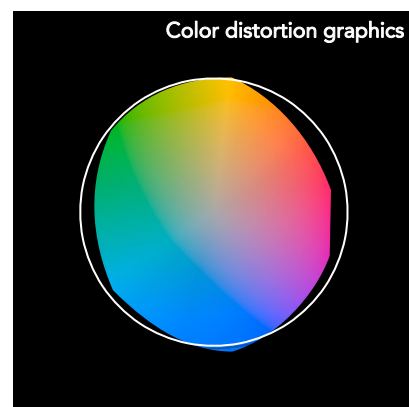
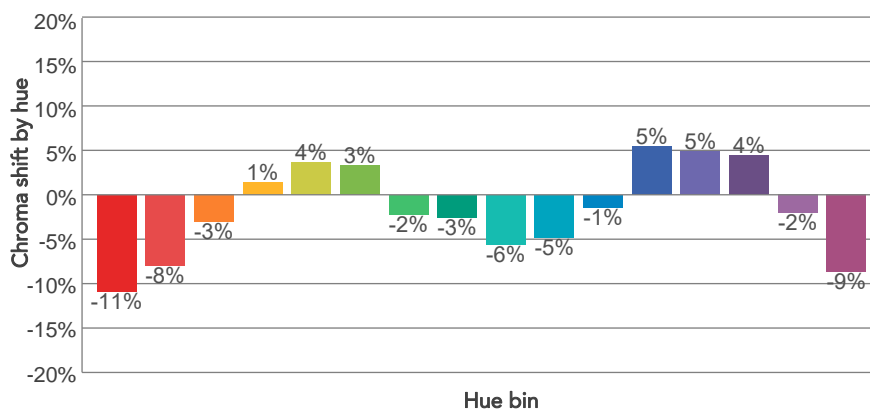
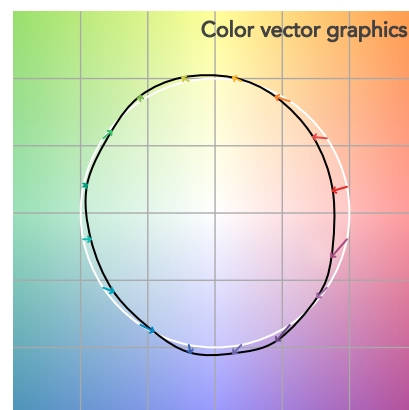
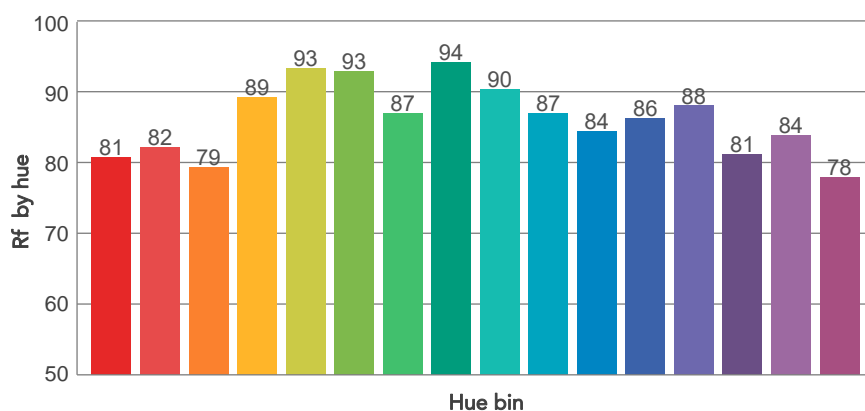
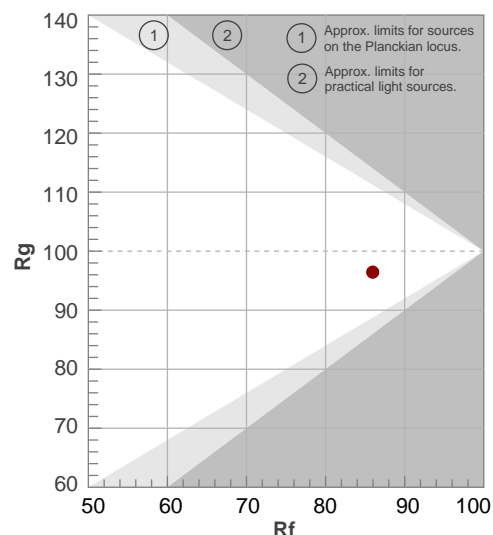
**Rf 86,0**

Fidelity index Rf

**Rg 96,4**

Gammut index

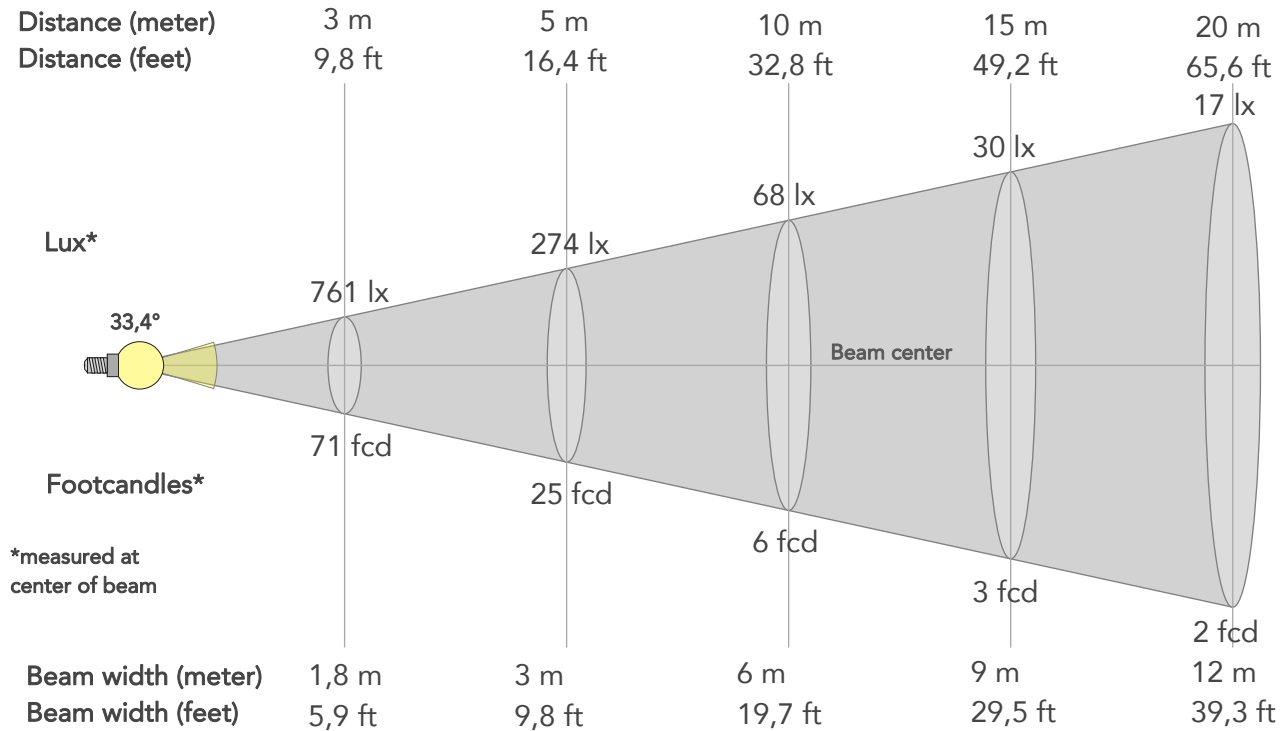
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	81	-11%	-1%
2	82	-8%	7%
3	79	-3%	11%
4	89	1%	7%
5	93	4%	4%
6	93	3%	-2%
7	87	-2%	-8%
8	94	-3%	-2%
9	90	-6%	1%
10	87	-5%	7%
11	84	-1%	11%
12	86	5%	2%
13	88	5%	-7%
14	81	4%	-15%
15	84	-2%	-10%
16	78	-9%	-15%





# BEAM DETAILS

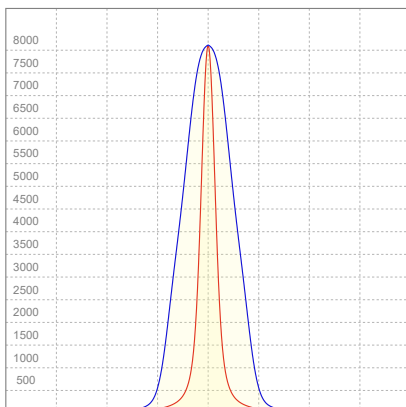
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,4°	58,7°	82,9°	97,6%	92,5%



## 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	6850lx	1712lx	761lx	428lx	274lx	122lx	68lx	30lx	17lx	11lx	8lx	4lx	3lx
Footcand.	636fcd	159fcd	71fcd	40fcd	25fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,8ft	14,7ft	19,7ft	29,5ft	39,3ft	49,2ft	59ft	78,7ft	98,3ft

## LINEAR DISTRIBUTION DIAGRAM

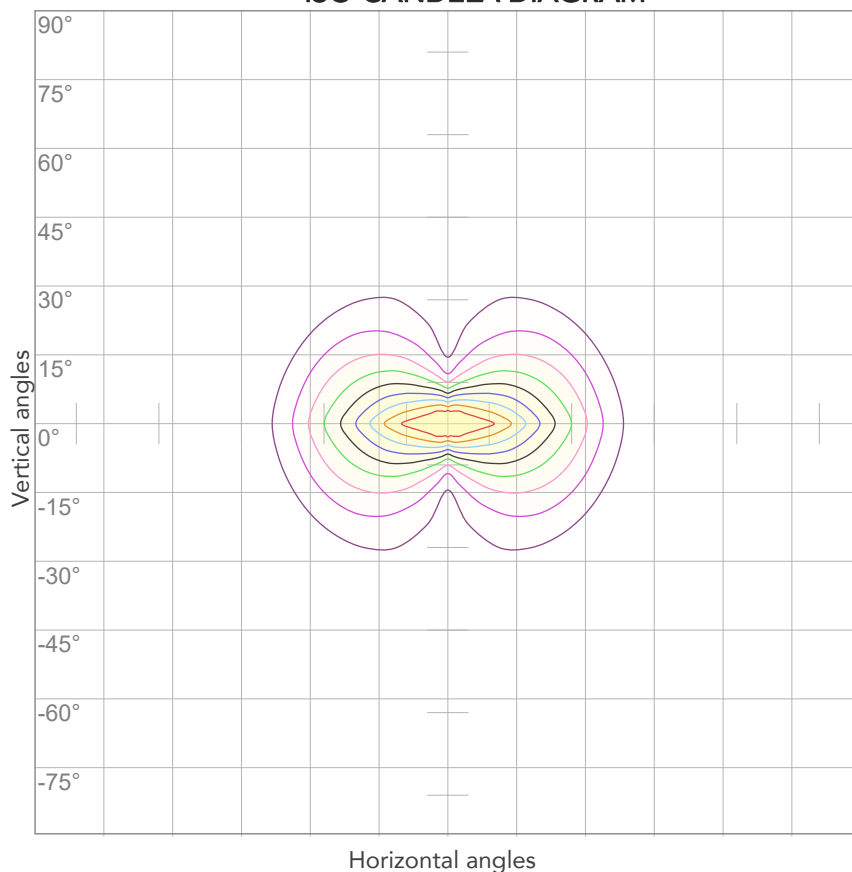


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,226A	43,8W	0,86	75lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



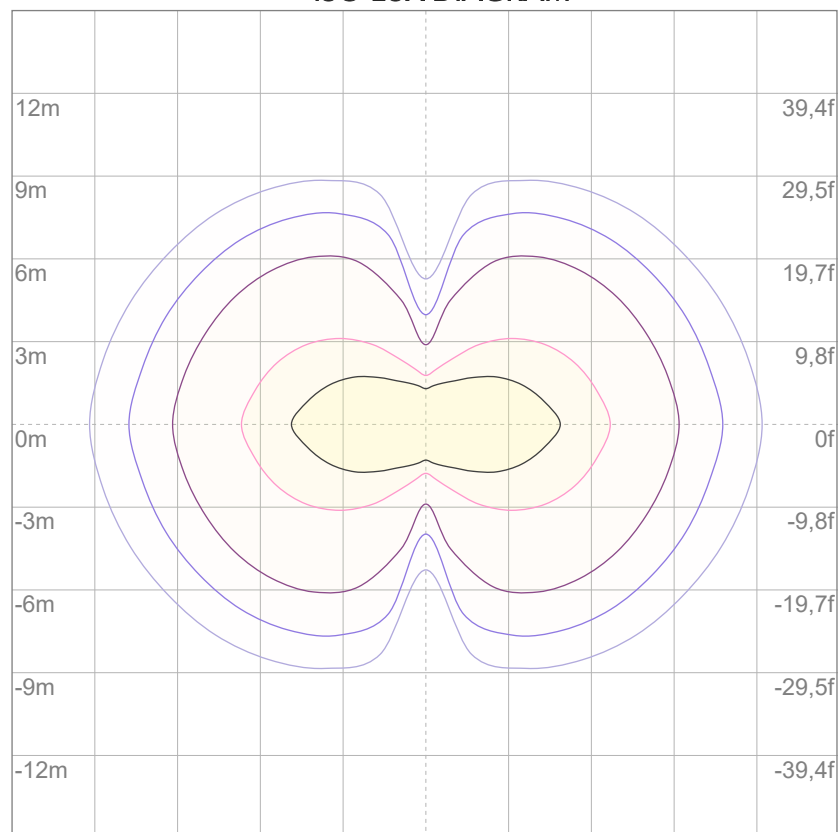
10%	685 cd
20%	1370 cd
30%	2055 cd
40%	2740 cd
50%	3425 cd
60%	4110 cd
70%	4795 cd
80%	5480 cd

### Conditions:

Number of c-planes: 4

Candela at center: 6850 cd

## ISO LUX DIAGRAM



3%	2,05 lx
5%	3,42 lx
10%	6,85 lx
30%	20,5 lx
50%	34,2 lx

### Conditions:

Number of c-planes: 4

Lux at center: 68,5 lx

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



Total lumen output:

2536 lm

Peak candela output:

3609 cd

Light quality:

CRI: 83,6

Color temperature:

2891 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 30°x60° Filter

Target:

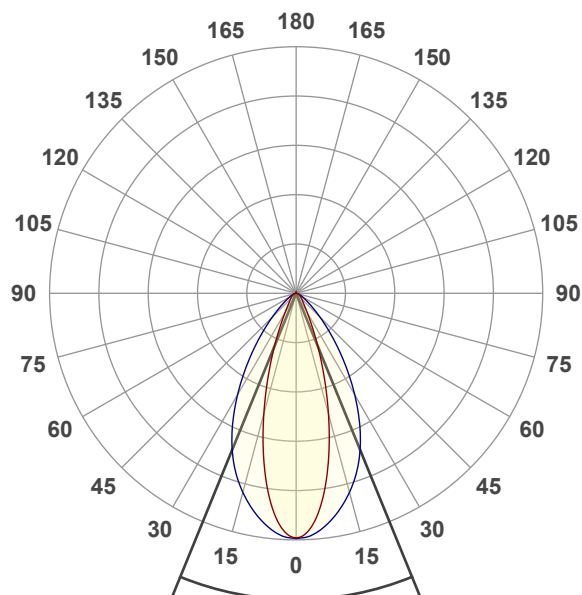
White

Operator:

Salvatore Giglio

Date and time:

08/02/2024 18:11:10

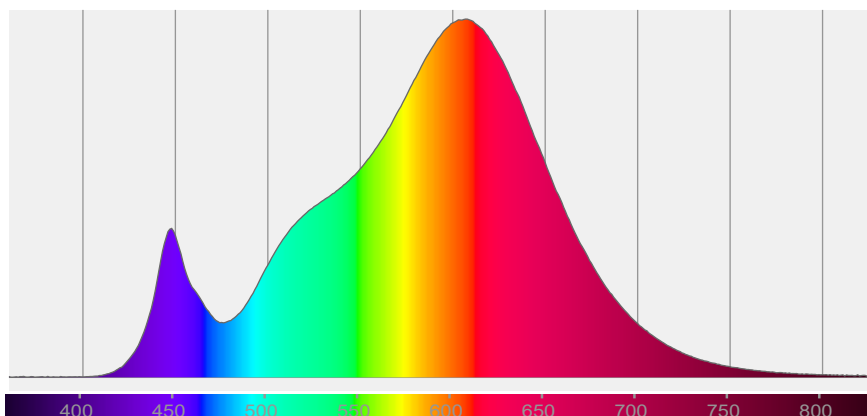


Beam angle 50%: 44,5°

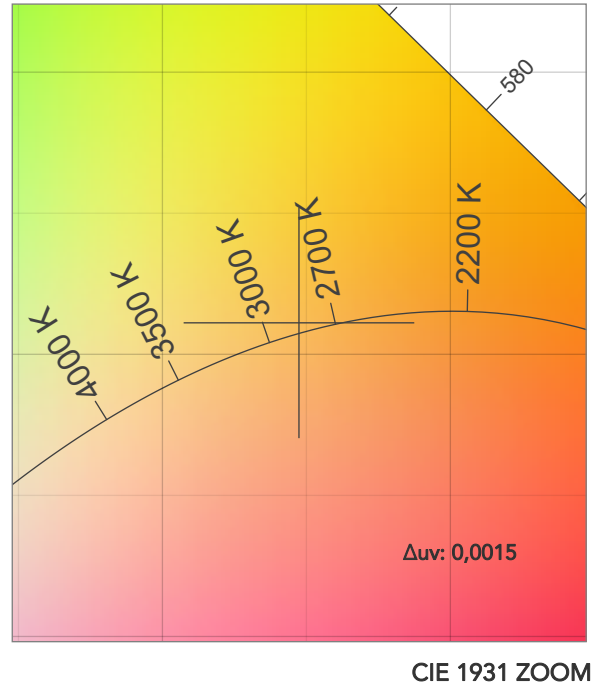
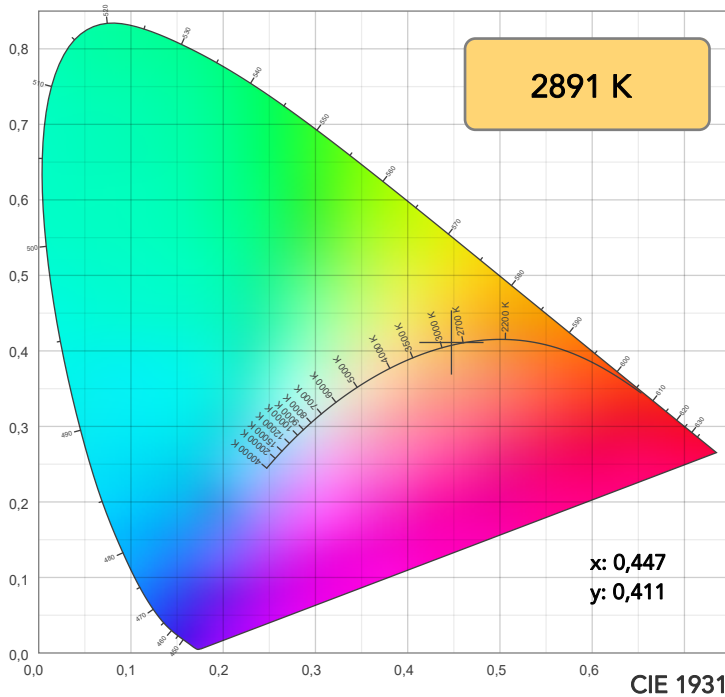
Field angle 10%: 77,1°

Cut off angle 2.5%: 113,3°

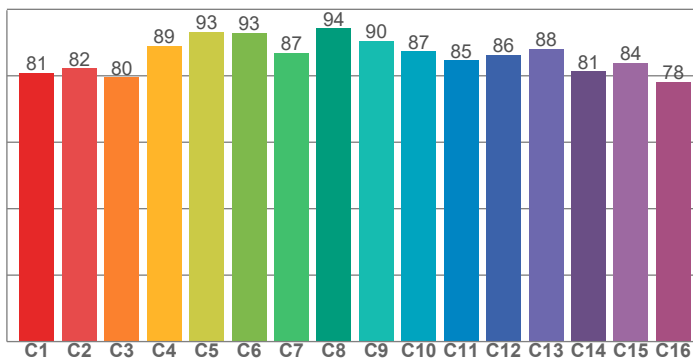
**Spectra**



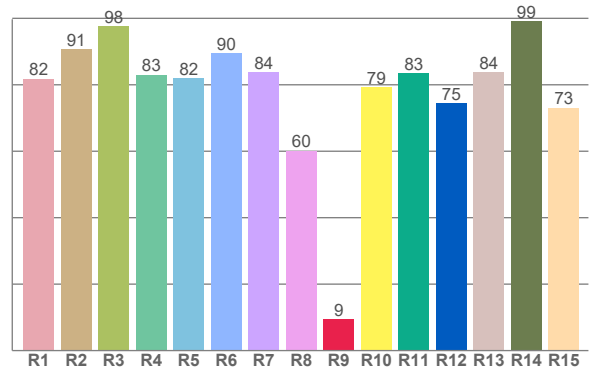
## COLOR DETAILS



TM30: 86,1



CRI: 83,6 (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
81,8	90,7	97,6	83,1	82,0	89,6	83,8	60,2	9,3	79,2	83,5	74,5	83,8	99,1	73,1

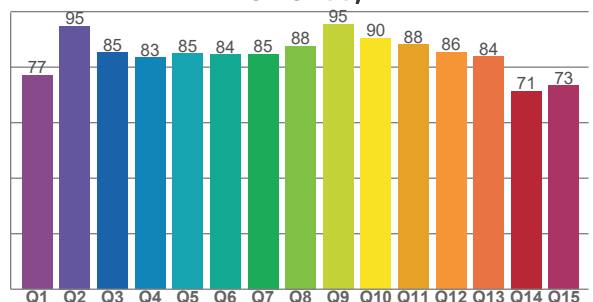
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,8	82,3	79,6	89,1	93,2	92,9	86,9	94,3	90,5	87,3	84,6	86,4	88,1	81,4	83,8	78,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,1	94,9	85,3	83,4	84,9	84,5	84,7	87,6	95,4	90,4	88,2	85,5	83,9	71,4	73,3

CQS: 83,2



## 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
2891 K	83,6	9,3	86,1	96,5	83,2	69	0,447	0,411	0,0015

## TM30 DETAILS

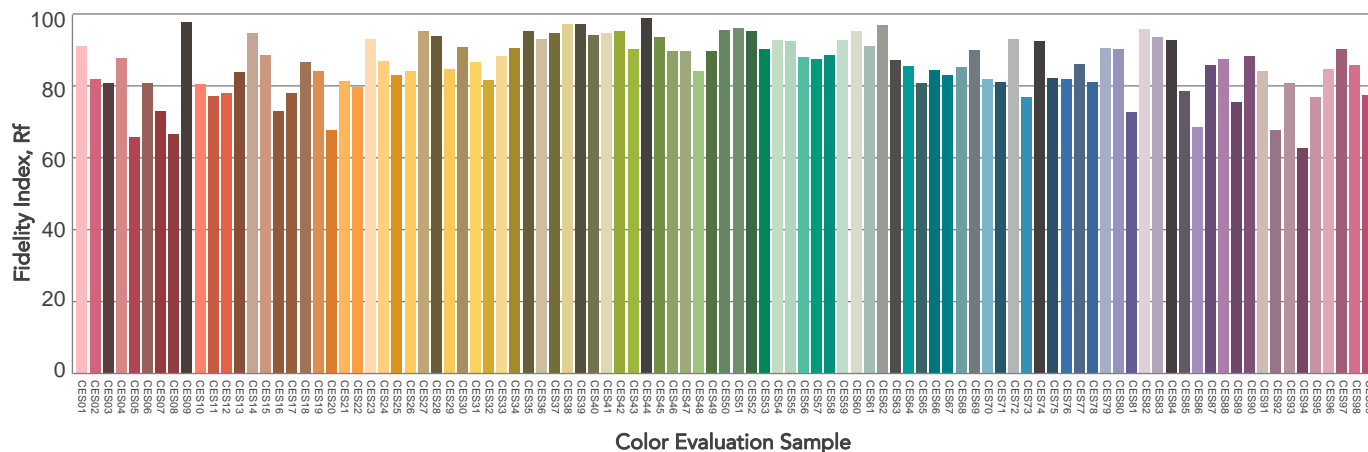
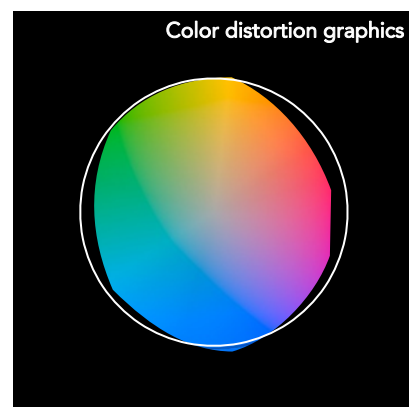
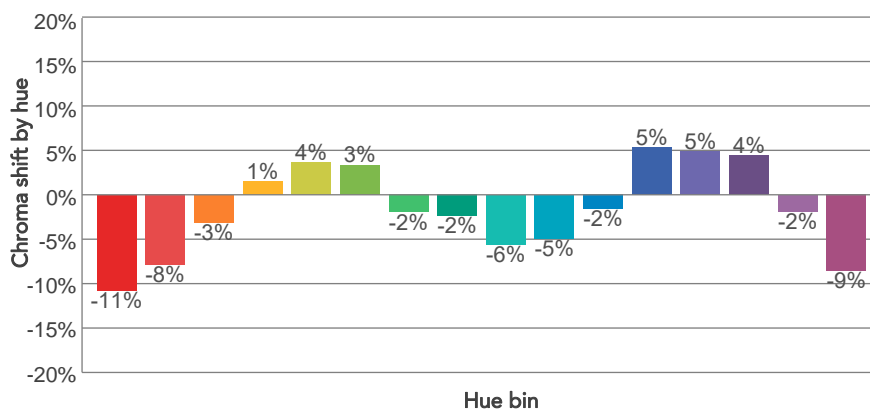
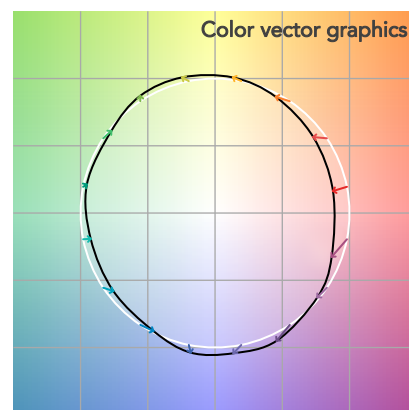
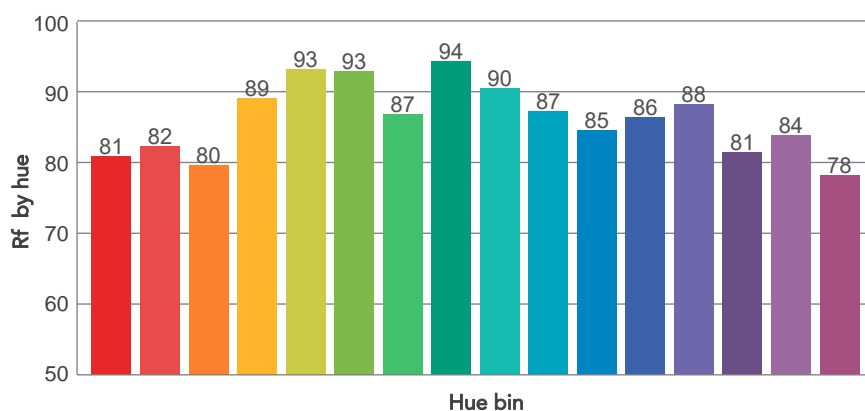
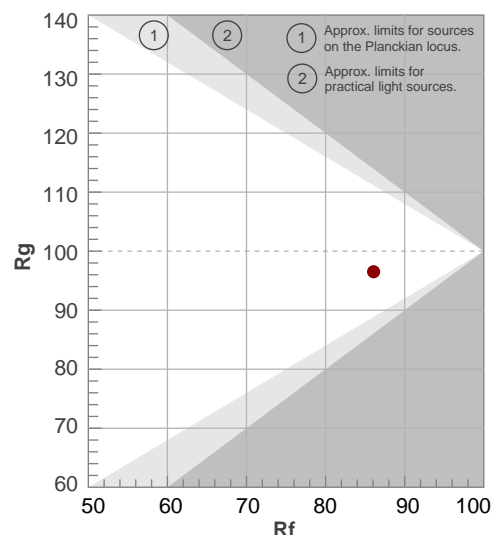
**Rf 86,1**

Fidelity index Rf

**Rg 96,5**

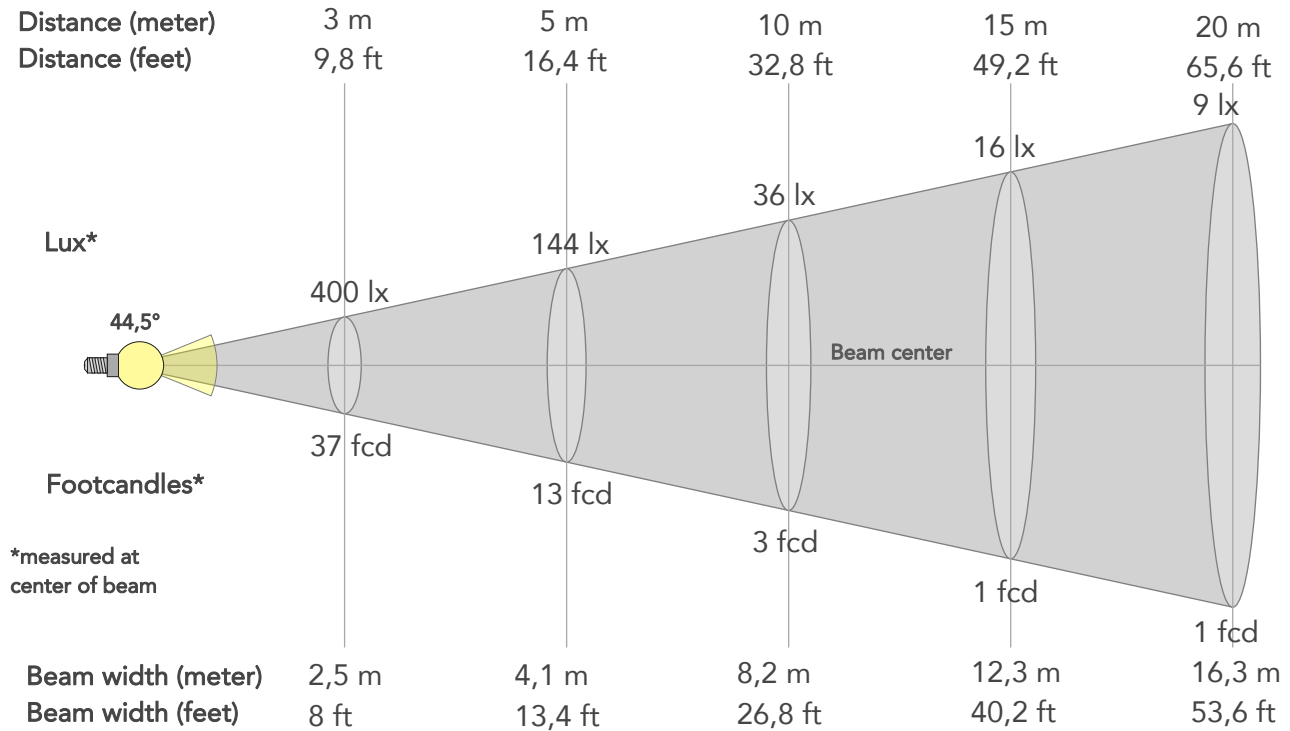
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	81	-11%	-1%
2	82	-8%	6%
3	80	-3%	10%
4	89	1%	7%
5	93	4%	4%
6	93	3%	-2%
7	87	-2%	-8%
8	94	-2%	-2%
9	90	-6%	1%
10	87	-5%	6%
11	85	-2%	11%
12	86	5%	2%
13	88	5%	-7%
14	81	4%	-15%
15	84	-2%	-10%
16	78	-9%	-15%



# BEAM DETAILS

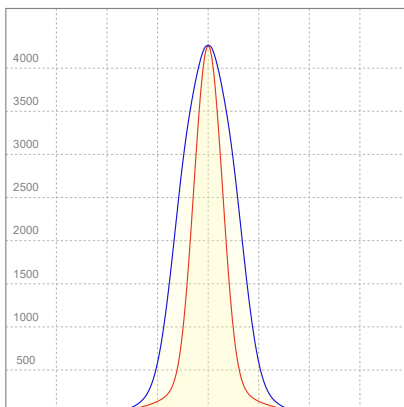
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,5°	77,1°	113,3°	96,3%	87,8%



## 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	3604lx	901lx	400lx	225lx	144lx	64lx	36lx	16lx	9lx	6lx	4lx	2lx	1lx
Footcand.	335fcd	84fcd	37fcd	21fcd	13fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,1m	8,2m	12,3m	16,3m	20,4m	24,5m	32,7m	40,9m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,4ft	20,1ft	26,8ft	40,2ft	53,6ft	67ft	80,4ft	107,2ft	134ft

## LINEAR DISTRIBUTION DIAGRAM

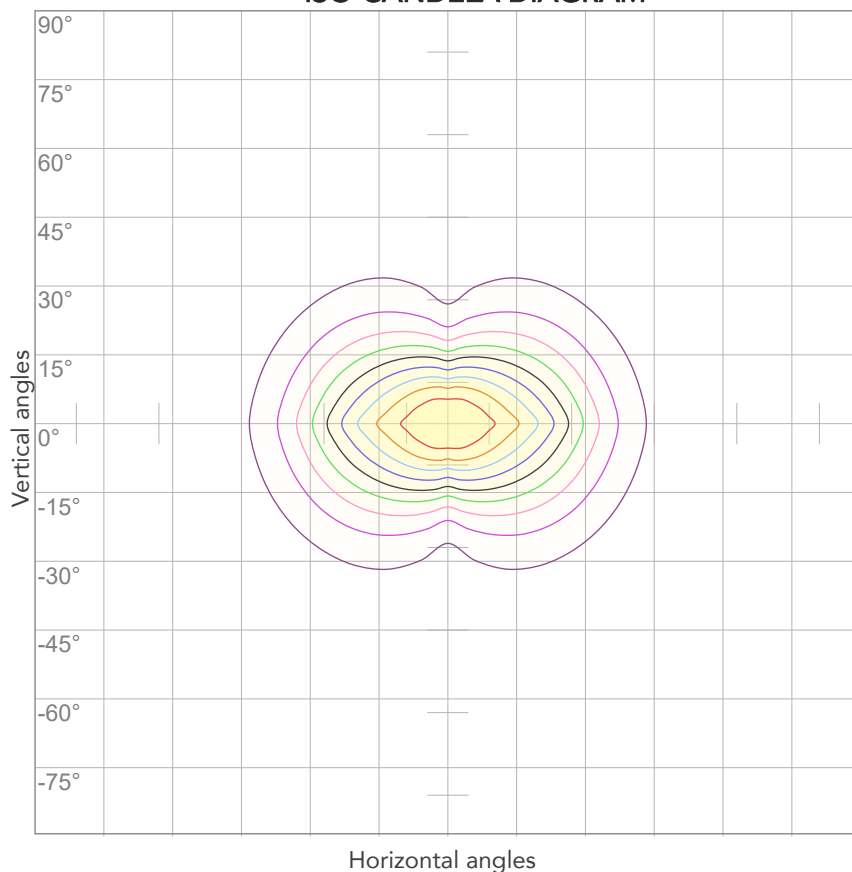


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,229A	44,8W	0,87	57lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



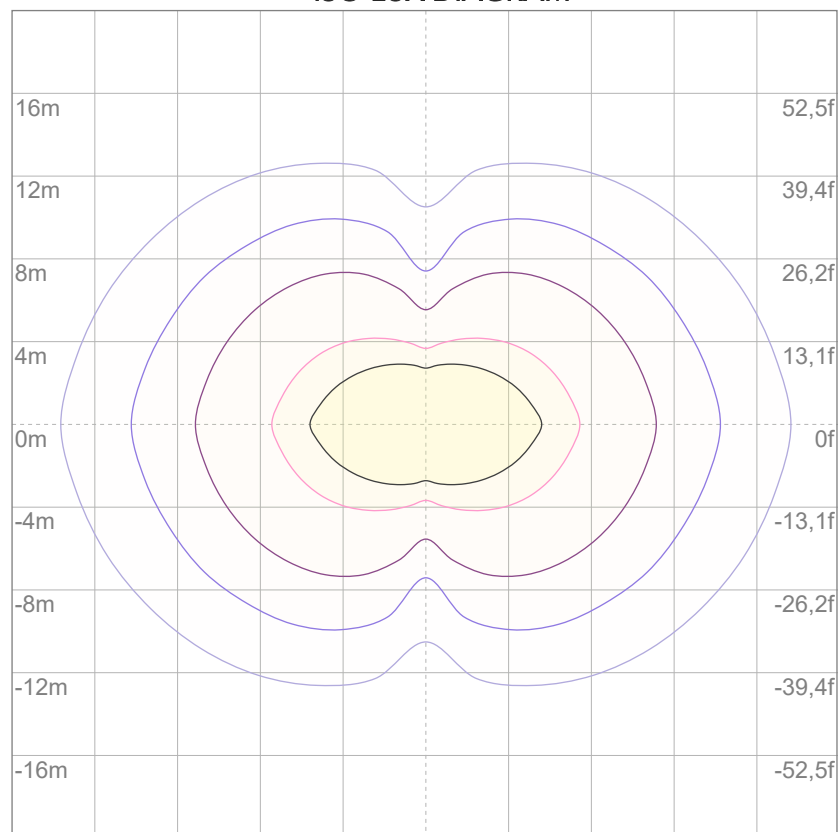
10%	360 cd
20%	721 cd
30%	1081 cd
40%	1442 cd
50%	1802 cd
60%	2162 cd
70%	2523 cd
80%	2883 cd

### Conditions:

Number of c-planes: 4

Candela at center: 3604 cd

## ISO LUX DIAGRAM



3%	1,08 lx
5%	1,80 lx
10%	3,60 lx
30%	10,8 lx
50%	18,0 lx

### Conditions:

Number of c-planes: 4

Lux at center: 36,0 lx

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



Total lumen output:

4477 lm

Peak candela output:

73173 cd

Light quality:

CRI: 83,4

Color temperature:

2799 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10°

Target:

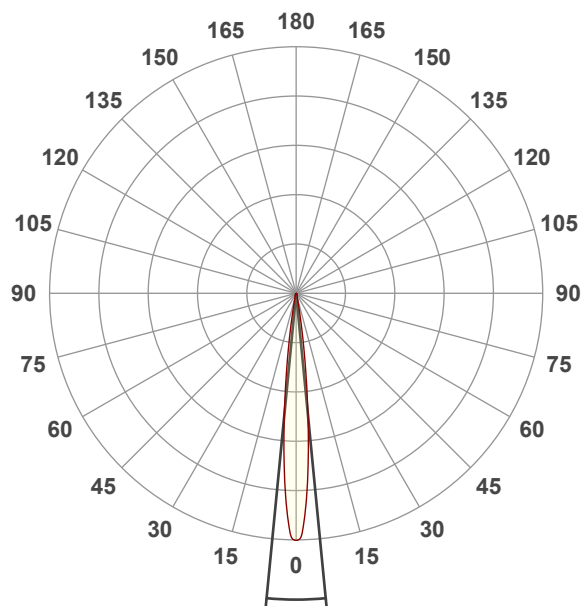
2800K

Operator:

Salvatore Giglio

Date and time:

23/02/2024 17:07:00

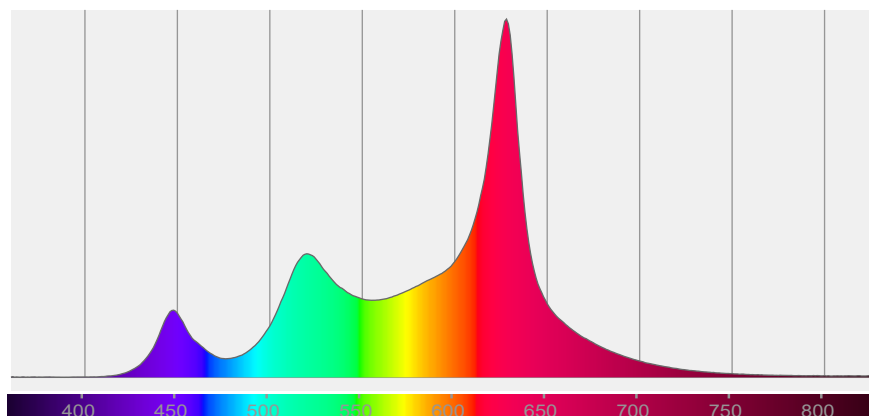


Beam angle 50%: 11,1°

Field angle 10%: 19,7°

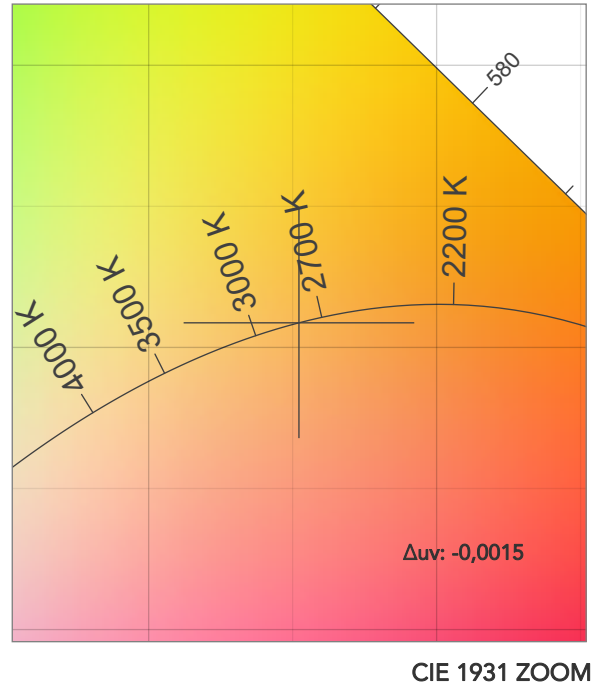
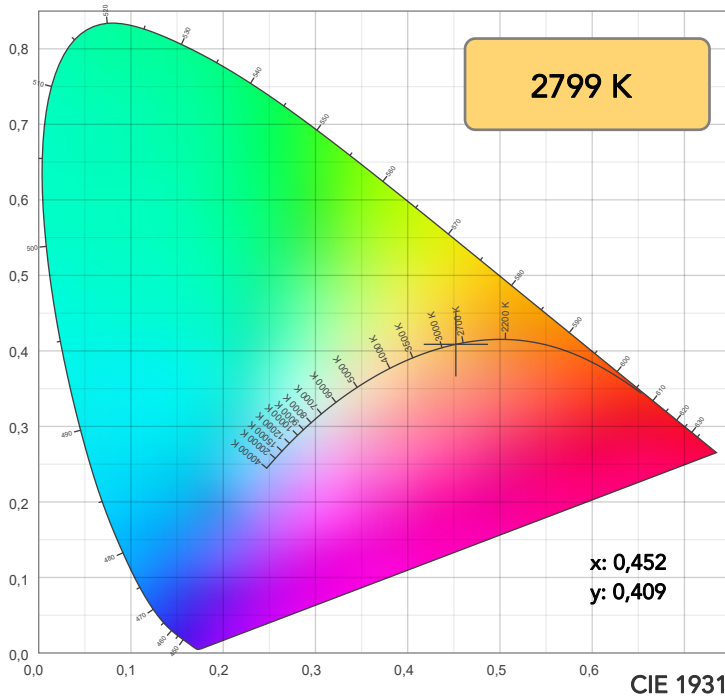
Cut off angle 2.5%: 27,1°

**Spectra**

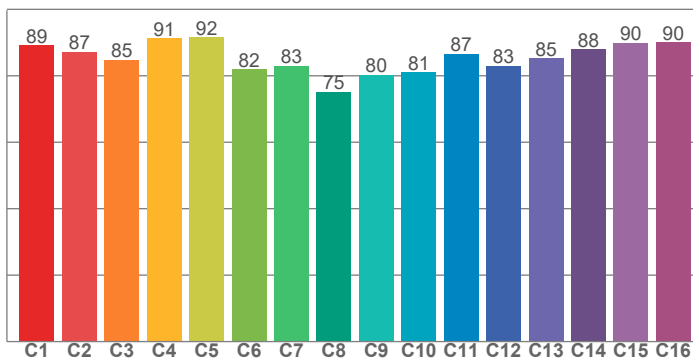




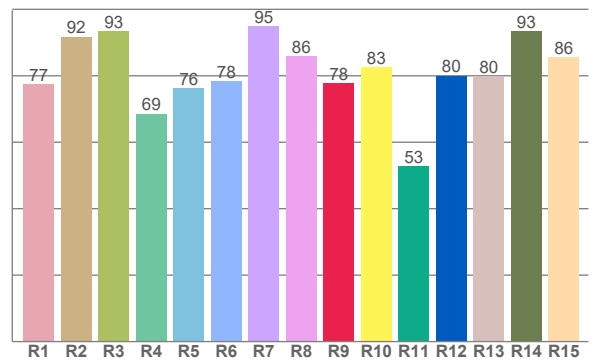
## COLOR DETAILS



TM30: 86,3



CRI: 83,4 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
77,5	91,8	93,5	68,5	76,3	78,4	94,9	86,0	77,7	82,6	52,7	80,0	79,9	93,4	85,7

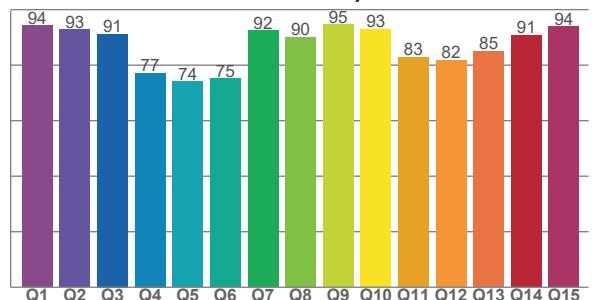
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,1	87,2	84,7	91,3	91,6	81,9	83,0	75,2	80,2	81,0	86,7	83,1	85,3	87,9	90,0	90,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,2	92,8	91,2	77,2	74,1	75,1	92,5	90,2	94,7	92,9	82,8	81,7	85,0	90,7	94,0

CQS: 85,1



## COLOR PARAMETERS

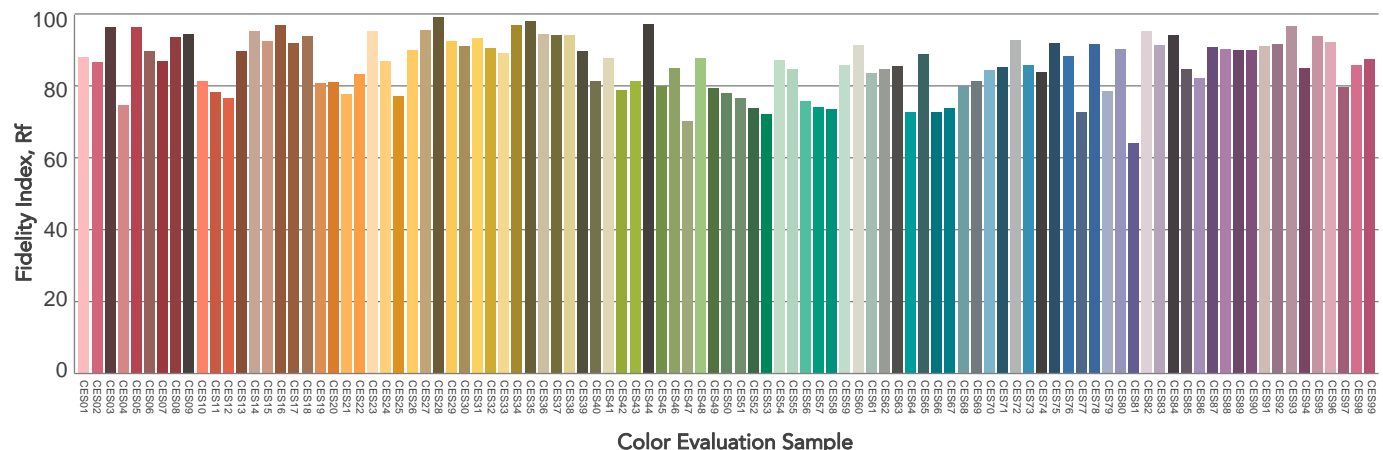
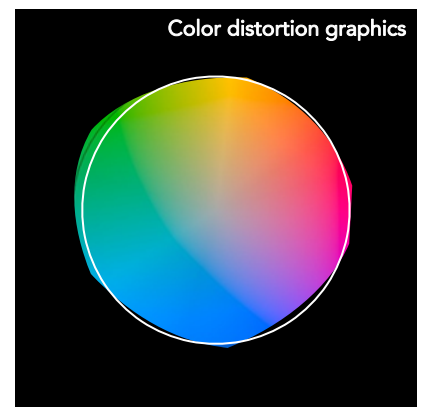
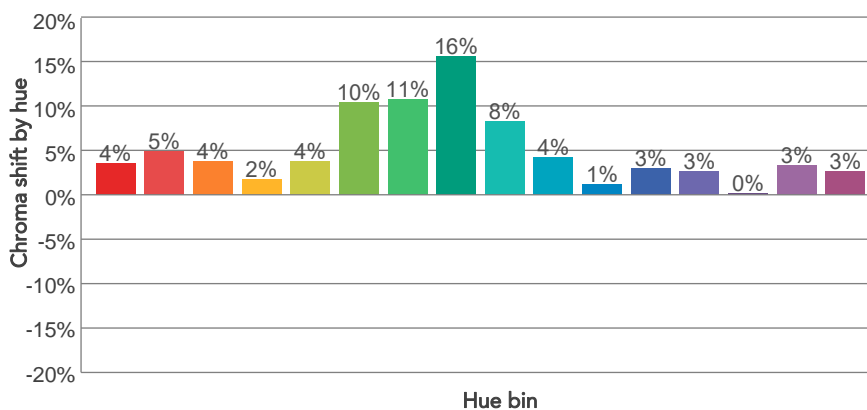
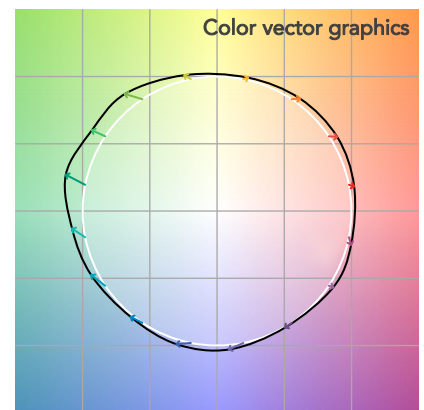
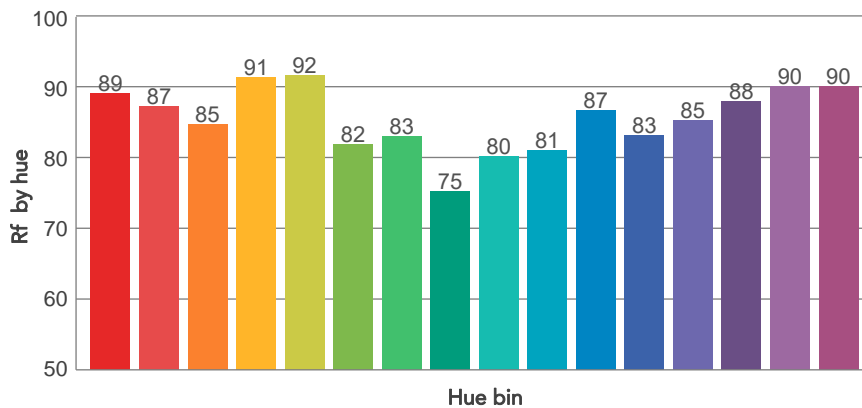
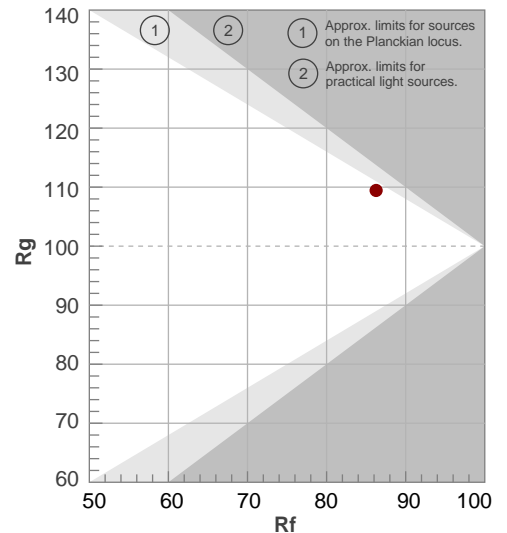
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
2799 K	83,4	77,7	86,3	109,4	85,1	63	0,452	0,409	-0,0015

# TM30 DETAILS

**Rf 86,3**  
Fidelity index Rf

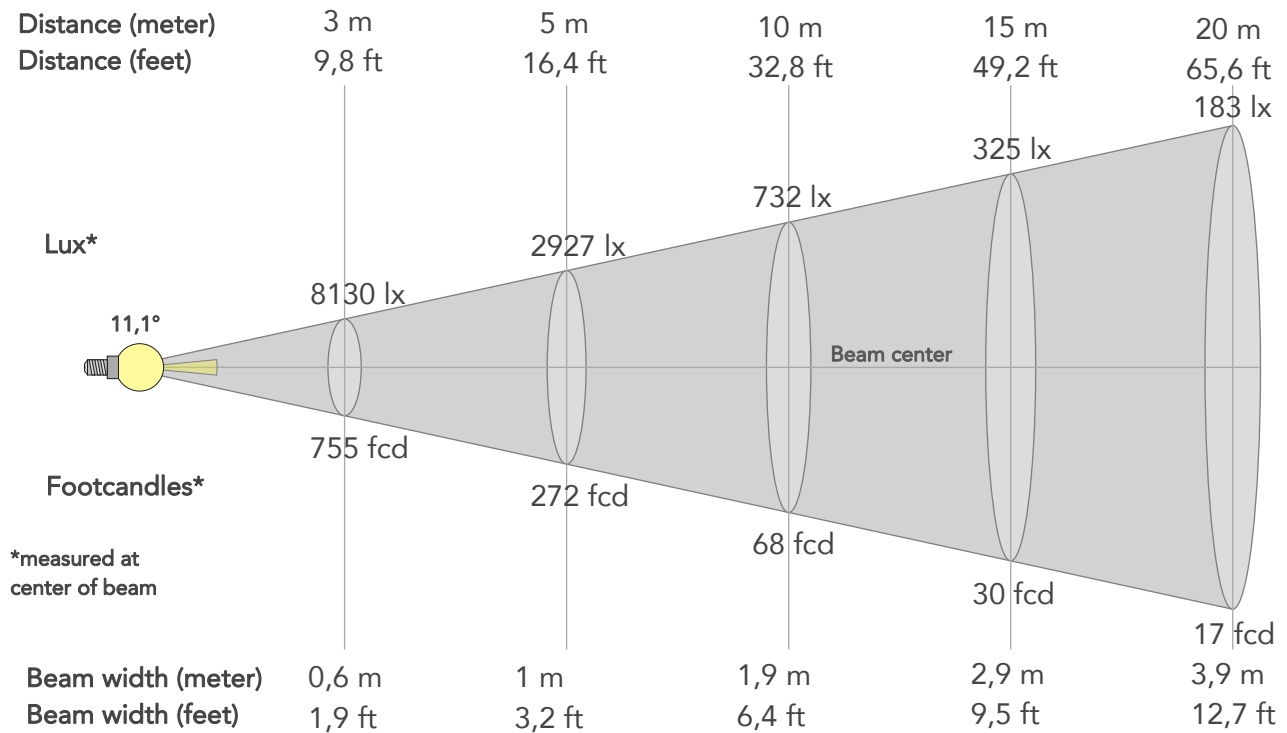
**Rg 109,4**  
Gammut index

		Graphic shifts (%)	
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	89	4%	-2%
2	87	5%	-4%
3	85	4%	-5%
4	91	2%	-3%
5	92	4%	4%
6	82	10%	9%
7	83	11%	2%
8	75	16%	-5%
9	80	8%	-8%
10	81	4%	-12%
11	87	1%	-10%
12	83	3%	-10%
13	85	3%	-11%
14	88	0%	-6%
15	90	3%	1%
16	90	3%	-5%



# BEAM DETAILS

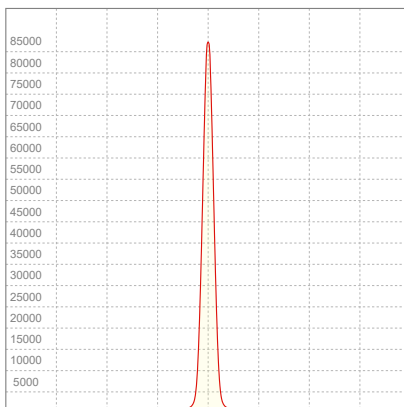
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
11,1°	19,7°	27,1°	89,5%	85,0%



## 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	73173lx	18293lx	8130lx	4573lx	2927lx	1301lx	732lx	325lx	183lx	117lx	81lx	46lx	29lx
Footcand.	6798fcd	1699fcd	755fcd	425fcd	272fcd	121fcd	68fcd	30fcd	17fcd	11fcd	8fcd	4fcd	3fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,5m	1,9m	2,9m	3,9m	4,8m	5,8m	7,8m	9,7m
Beam wid.	0,6ft	1,3ft	1,9ft	2,5ft	3,2ft	4,8ft	6,4ft	9,5ft	12,7ft	15,9ft	19,1ft	25,5ft	31,8ft

## LINEAR DISTRIBUTION DIAGRAM

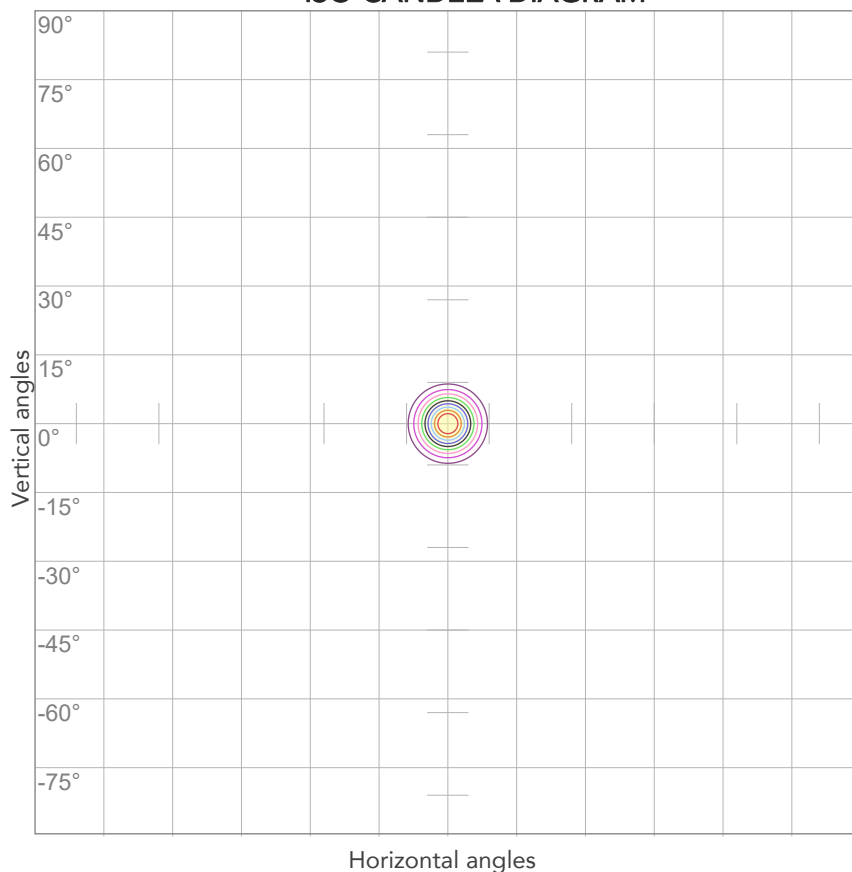


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,358A	74,1W	0,92	60lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



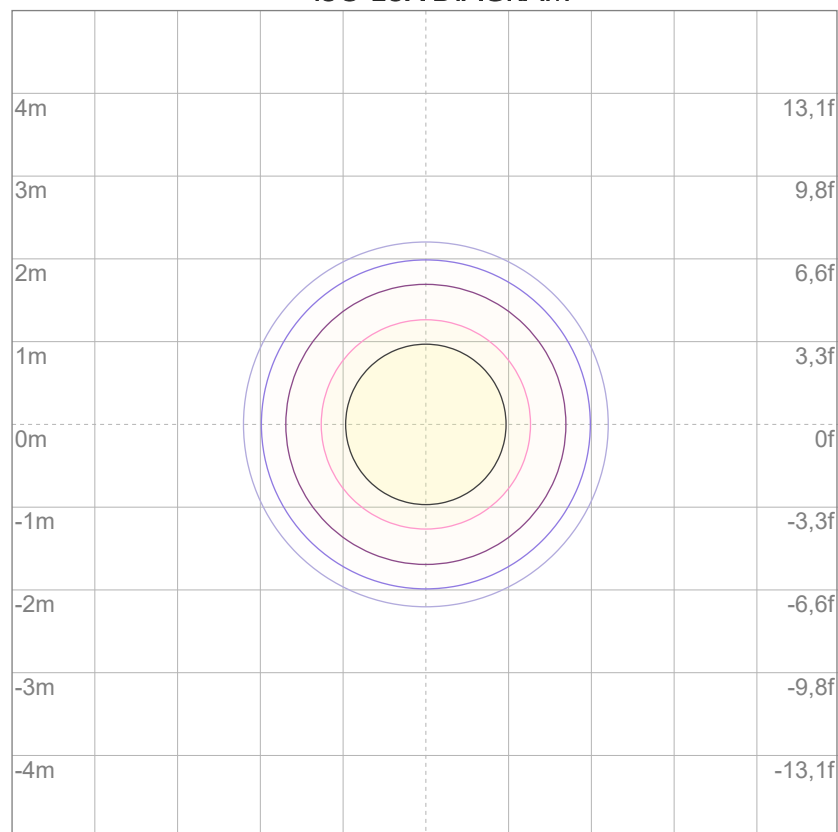
10%	7317 cd
20%	14635 cd
30%	21952 cd
40%	29269 cd
50%	36586 cd
60%	43904 cd
70%	51221 cd
80%	58538 cd

### Conditions:

Number of c-planes: 2

Candela at center: 73173 cd

## ISO LUX DIAGRAM



3%	22,0 lx
5%	36,6 lx
10%	73,2 lx
30%	220 lx
50%	366 lx

### Conditions:

Number of c-planes: 2

Lux at center: 732 lx

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



Total lumen output:

3226 lm

Peak candela output:

12950 cd

Light quality:

CRI: 84,3

Color temperature:

2802 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 20° Filter

Target:

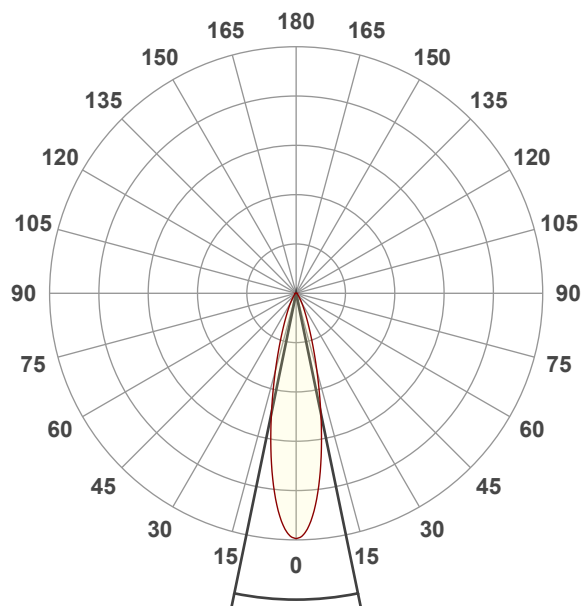
2800K

Operator:

Salvatore Giglio

Date and time:

23/02/2024 17:41:51

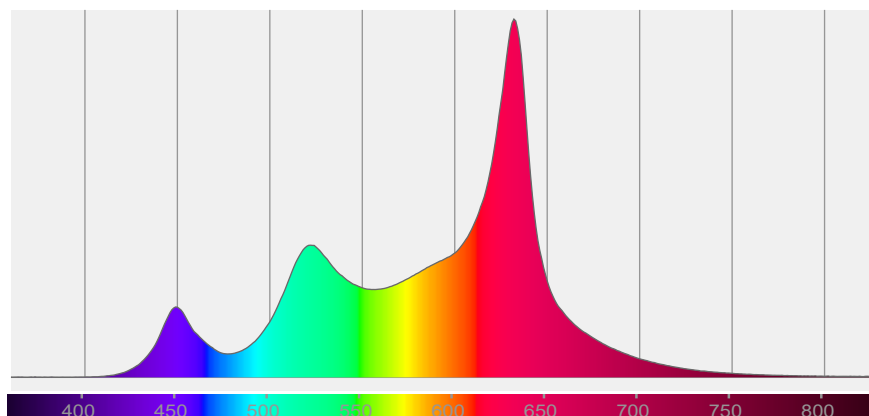


Beam angle 50%: 23,3°

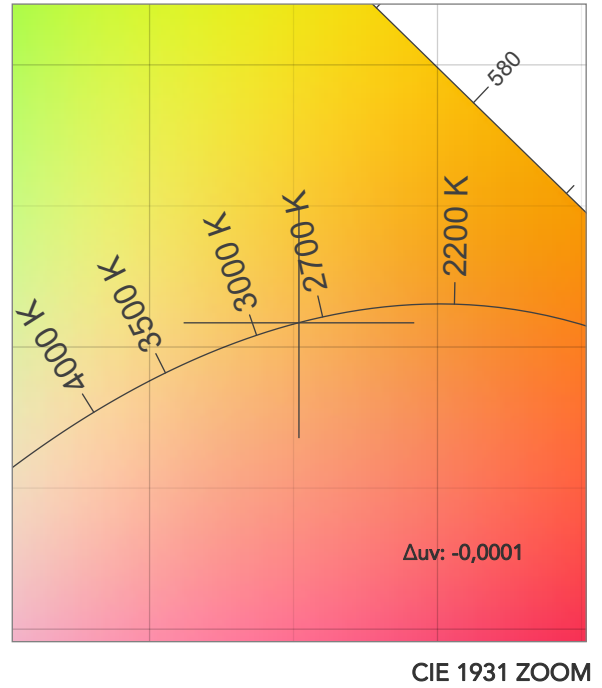
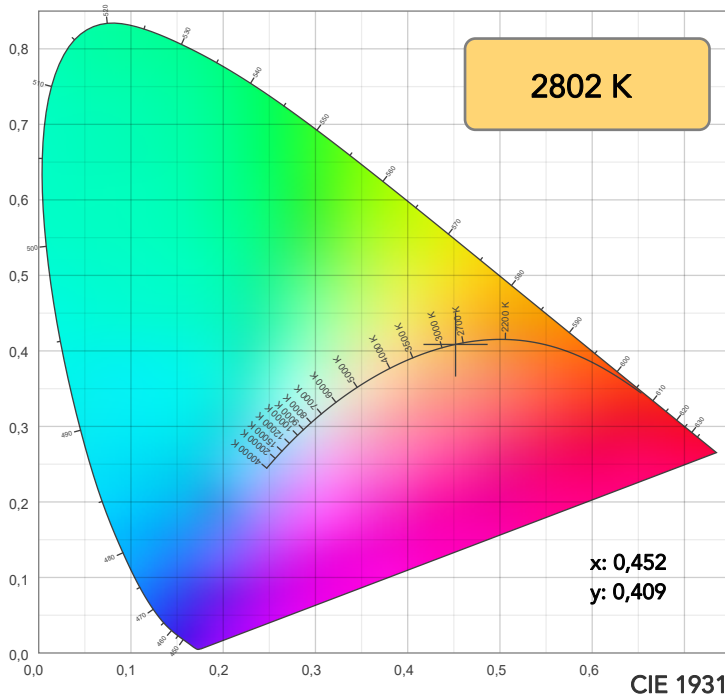
Field angle 10%: 47,3°

Cut off angle 2.5%: 71,9°

**Spectra**

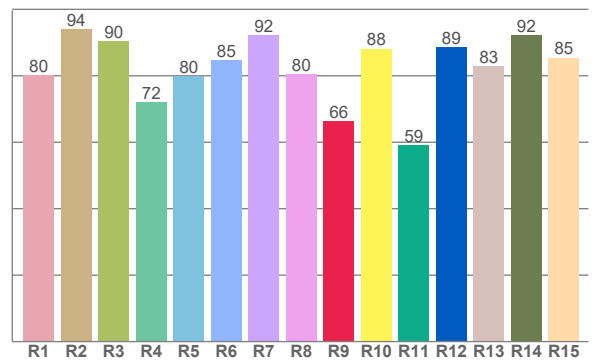
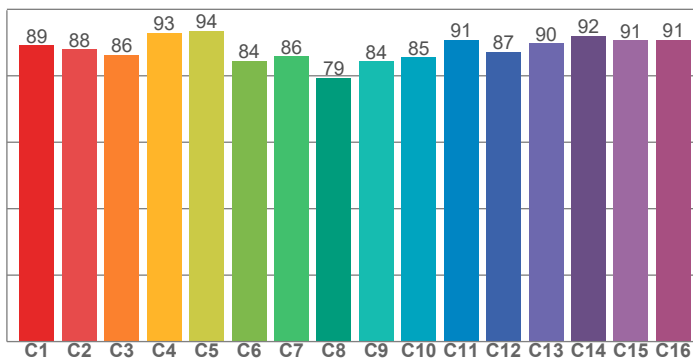


## COLOR DETAILS



TM30: 88,6

CRI: 84,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
80,2	94,1	90,5	72,1	79,8	84,6	92,2	80,5	66,3	88,2	59,0	88,7	82,9	92,1	85,4

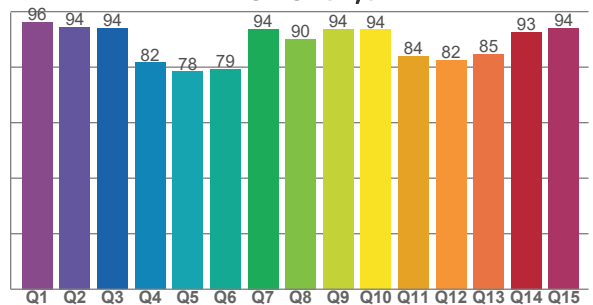
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,1	88,0	86,3	93,0	93,5	84,4	85,8	79,4	84,4	85,5	90,8	87,3	89,8	92,0	90,6	90,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,3	94,4	94,0	81,7	78,5	79,3	93,7	90,2	93,6	93,6	84,0	82,4	84,8	92,6	94,0

CQS: 87,0



## COLOR PARAMETERS

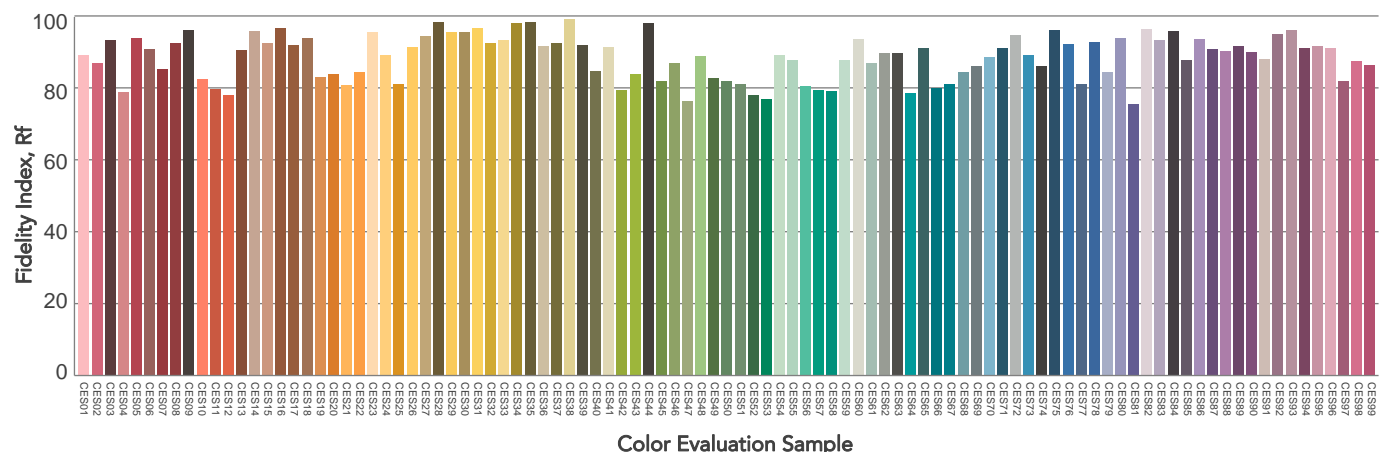
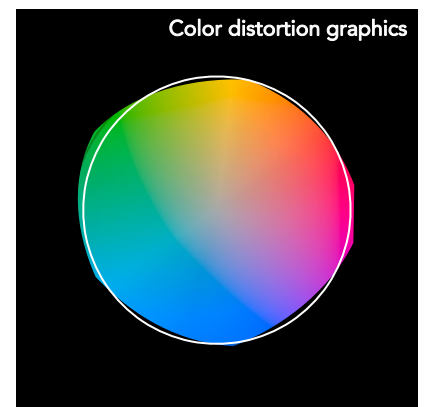
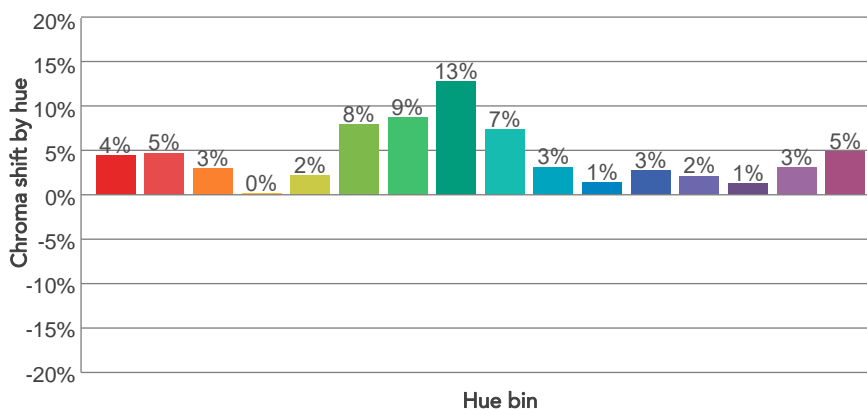
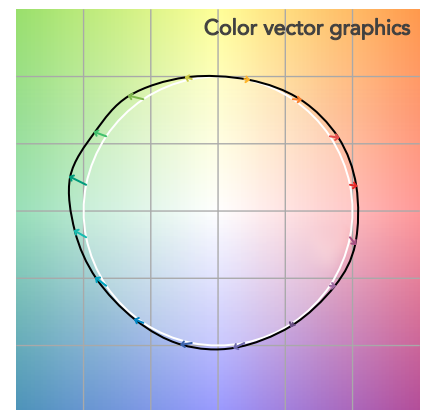
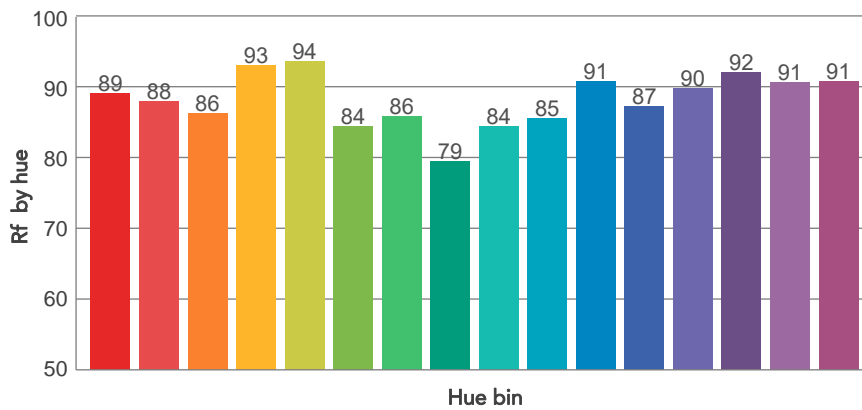
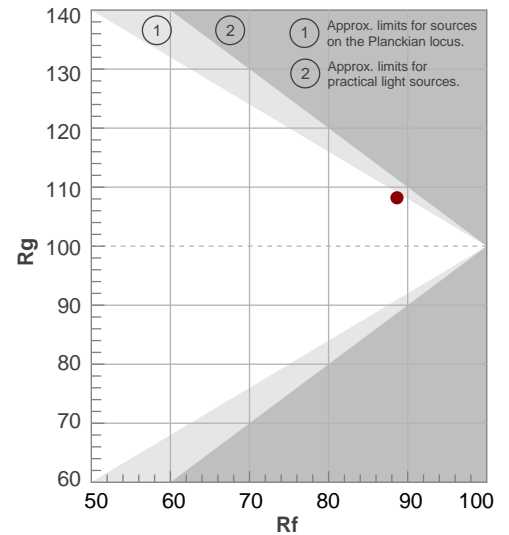
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2802 K	84,3	66,3	88,6	108,2	87,0	70	0,452	0,409	-0,0001

# TM30 DETAILS

**Rf 88,6**  
Fidelity index Rf

**Rg 108,2**  
Gammut index

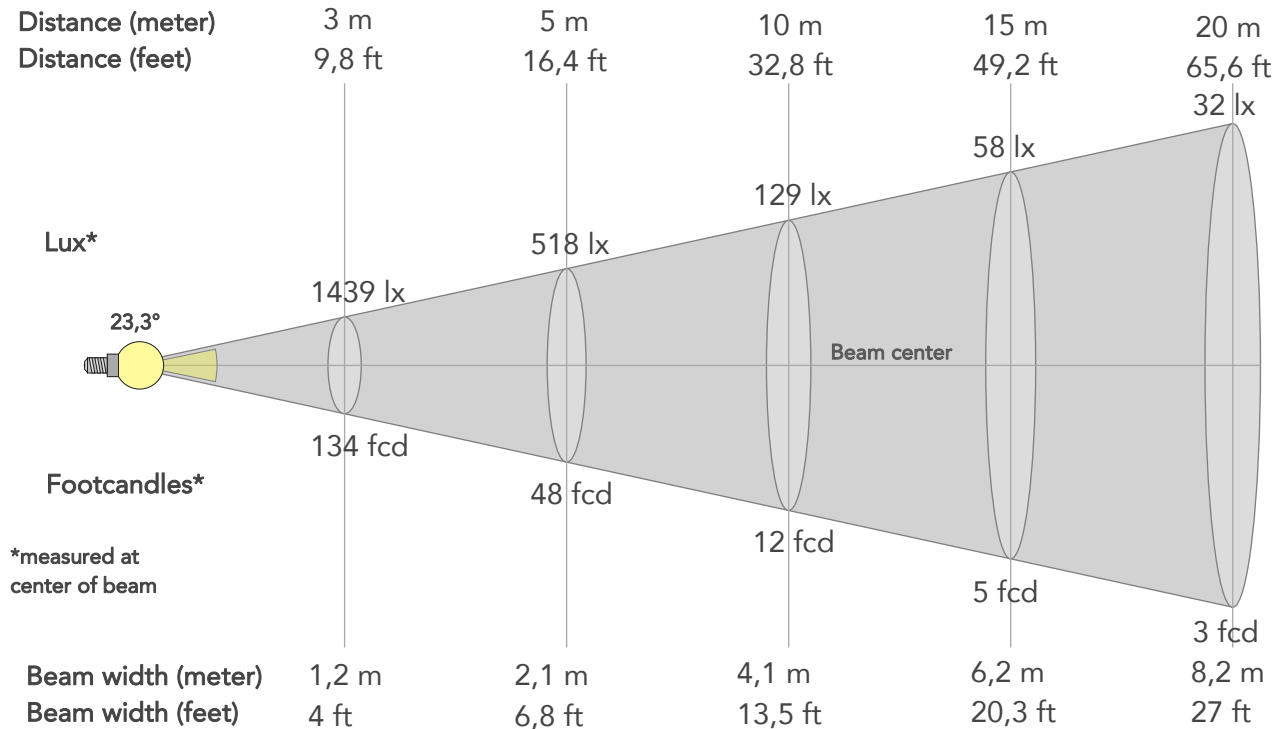
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	89	4%	-2%
2	88	5%	-4%
3	86	3%	-5%
4	93	0%	-3%
5	94	2%	4%
6	84	8%	7%
7	86	9%	2%
8	79	13%	-3%
9	84	7%	-6%
10	85	3%	-9%
11	91	1%	-6%
12	87	3%	-7%
13	90	2%	-8%
14	92	1%	-2%
15	91	3%	2%
16	91	5%	-4%



# BEAM DETAILS



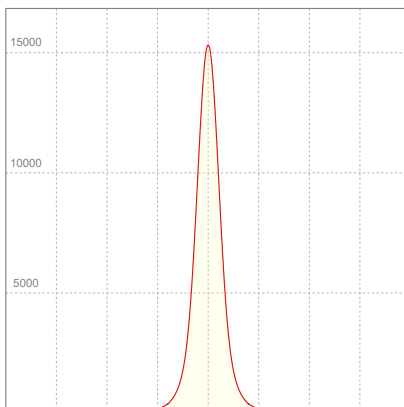
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,3°	47,3°	71,9°	96,4%	92,2%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	12950lx	3237lx	1439lx	809lx	518lx	230lx	129lx	58lx	32lx	21lx	14lx	8lx	5lx
Footcand.	1203fcd	301fcd	134fcd	75fcd	48fcd	21fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2,1m	3,1m	4,1m	6,2m	8,2m	10,3m	12,4m	16,5m	20,6m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,8ft	10,1ft	13,5ft	20,3ft	27ft	33,8ft	40,5ft	54ft	67,6ft

## LINEAR DISTRIBUTION DIAGRAM



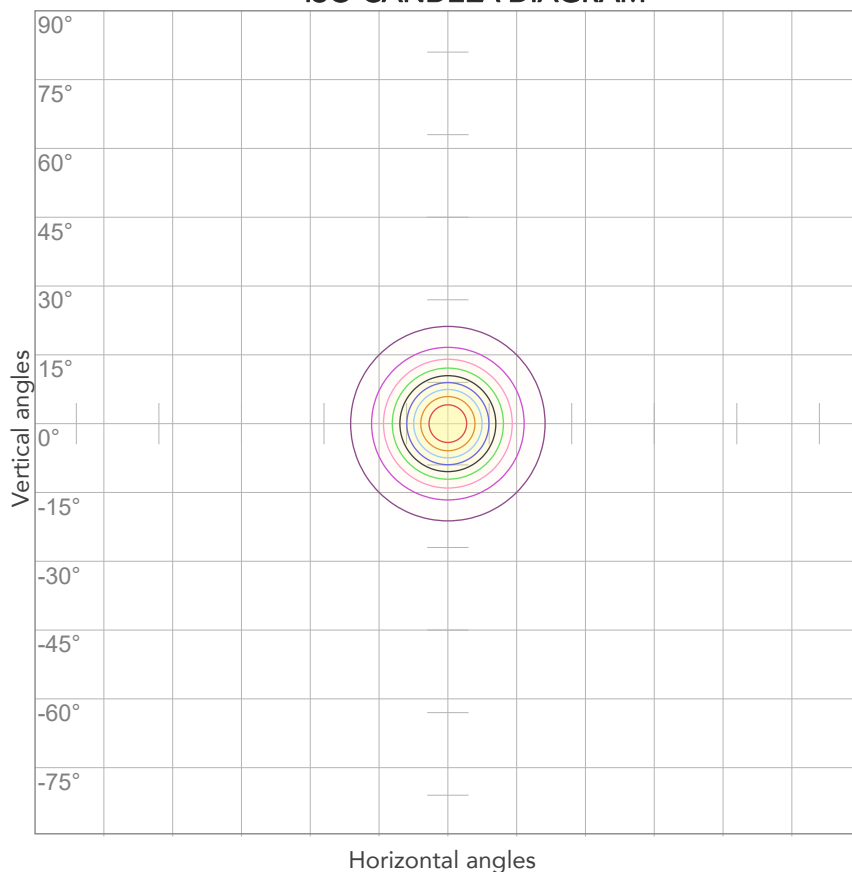
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,343A	70,6W	0,92	46lm/W



# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



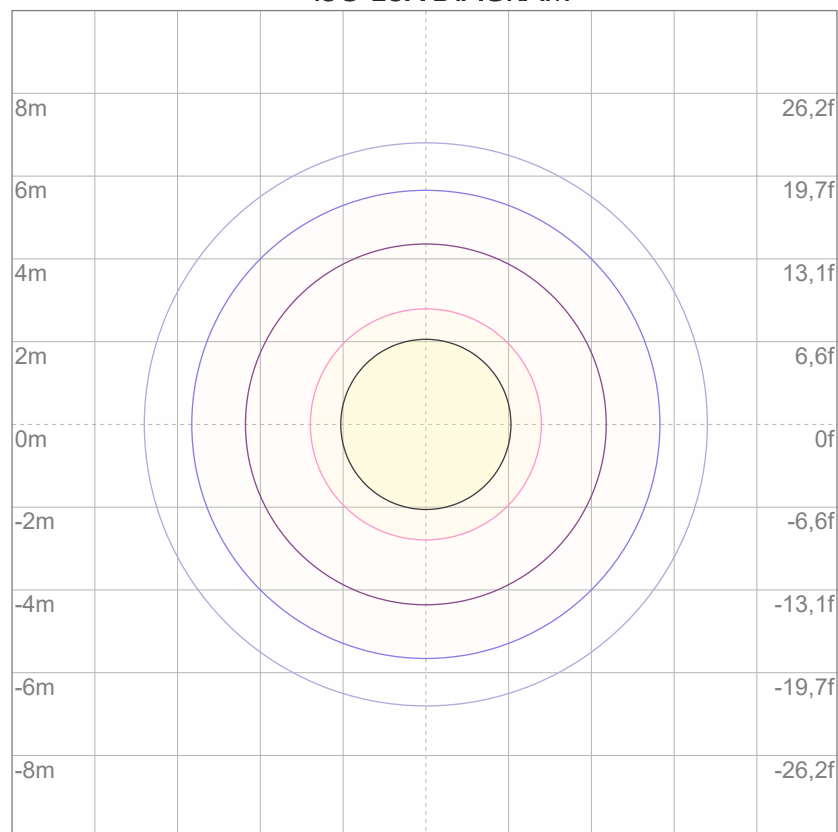
10%	1295 cd
20%	2590 cd
30%	3885 cd
40%	5180 cd
50%	6475 cd
60%	7770 cd
70%	9065 cd
80%	10360 cd

### Conditions:

Number of c-planes: 2

Candela at center: 12950 cd

## ISO LUX DIAGRAM



3%	3,88 lx
5%	6,47 lx
10%	12,9 lx
30%	38,8 lx
50%	64,7 lx

### Conditions:

Number of c-planes: 2

Lux at center: 129 lx

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



Total lumen output:

3443 lm

Peak candela output:

4646 cd

Light quality:

CRI: 83,3

Color temperature:

2685 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 40° Filter

Target:

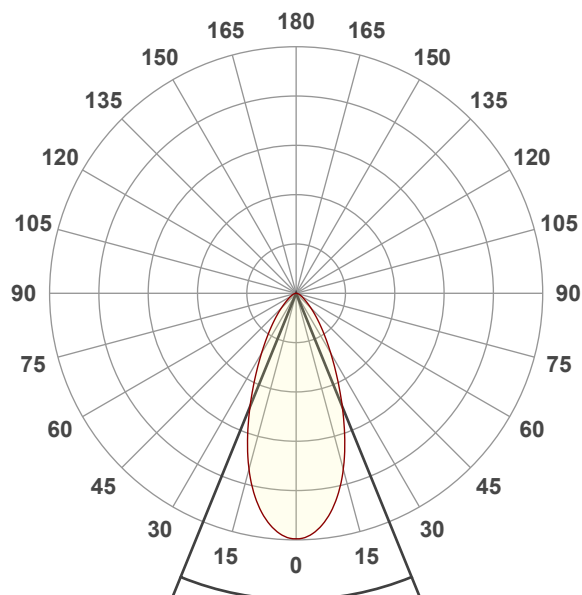
2800K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 10:44:02

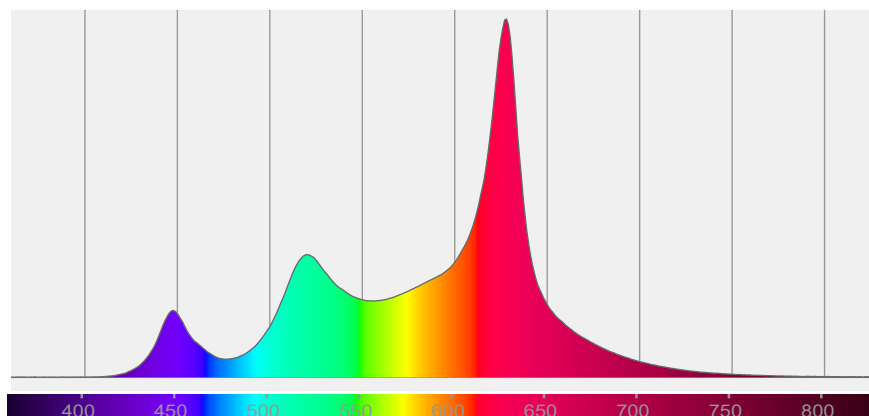


Beam angle 50%: 44,3°

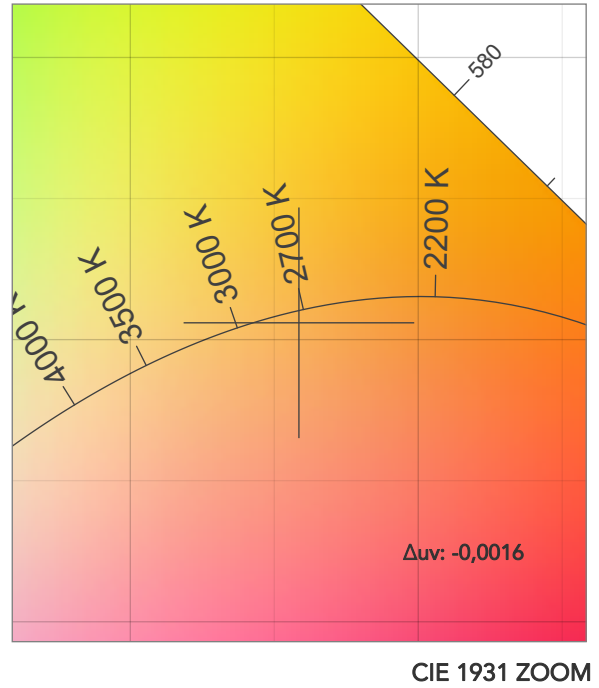
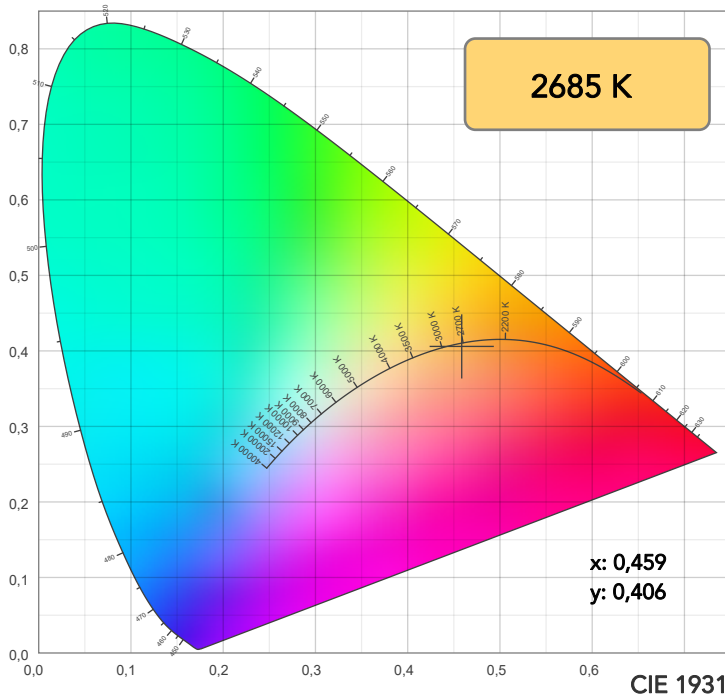
Field angle 10%: 86,4°

Cut off angle 2.5%: 122,1°

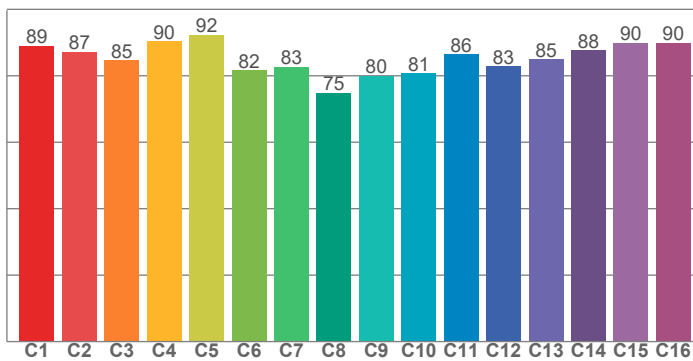
**Spectra**



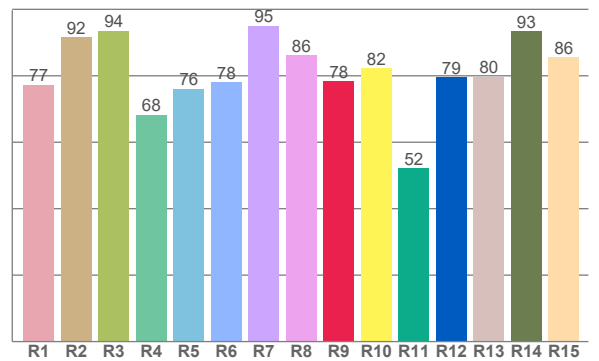
## COLOR DETAILS



TM30: 86,1



CRI: 83,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
77,3	91,6	93,6	68,3	76,1	78,0	95,1	86,2	78,3	82,3	52,3	79,5	79,7	93,5	85,7

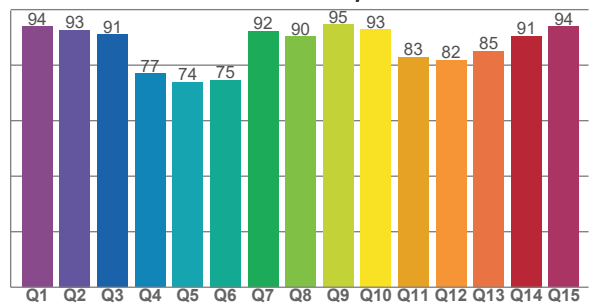
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,0	87,2	84,6	90,4	92,3	81,7	82,7	74,9	79,9	80,7	86,5	82,8	85,0	87,7	89,9	89,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,9	92,7	91,1	76,9	73,8	74,7	92,2	90,3	94,7	92,9	82,8	81,7	85,0	90,6	93,9

CQS: 84,9



## COLOR PARAMETERS

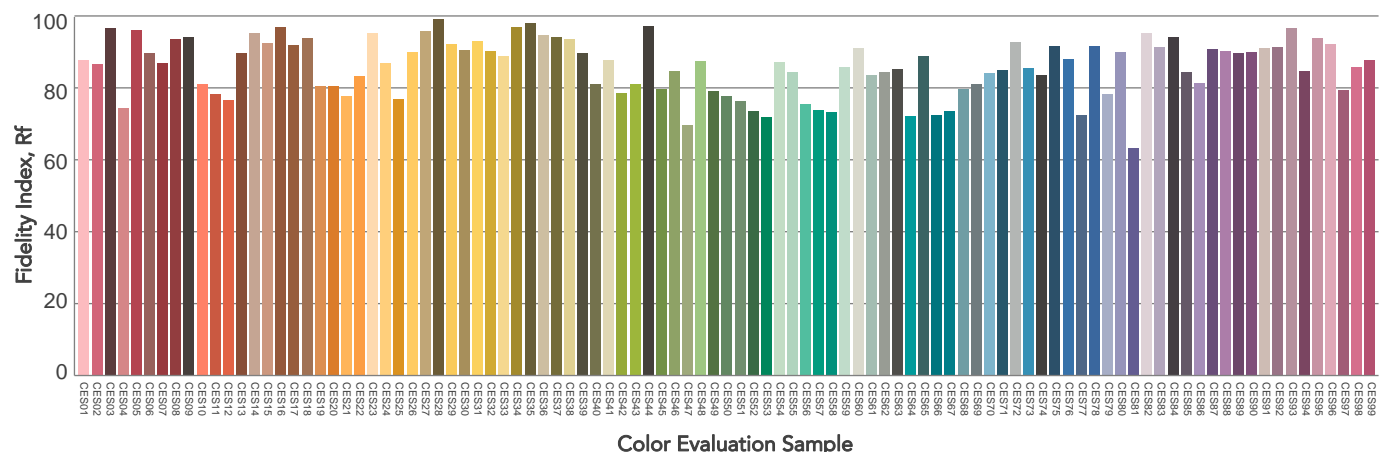
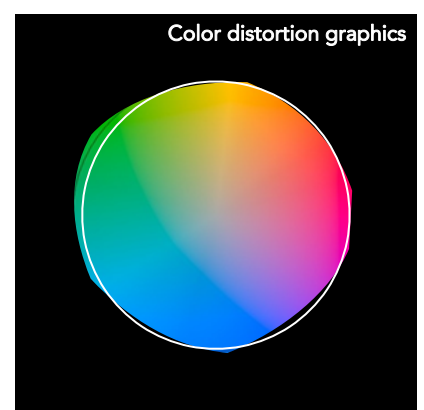
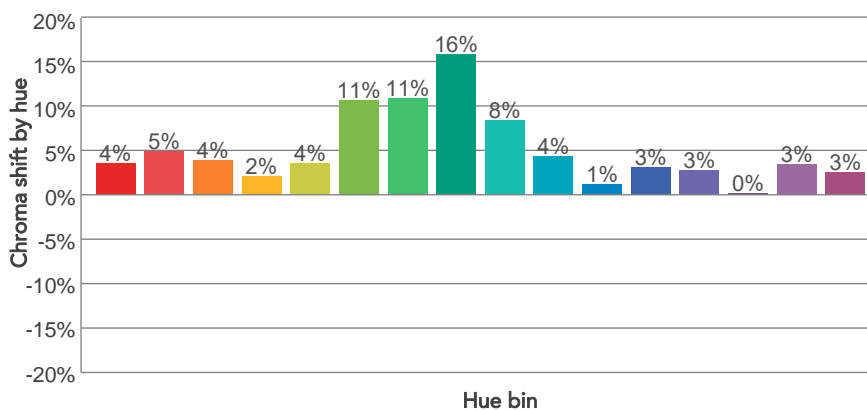
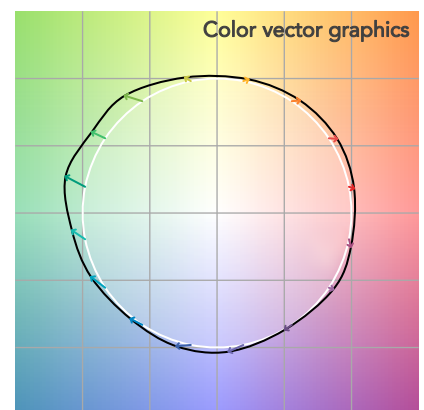
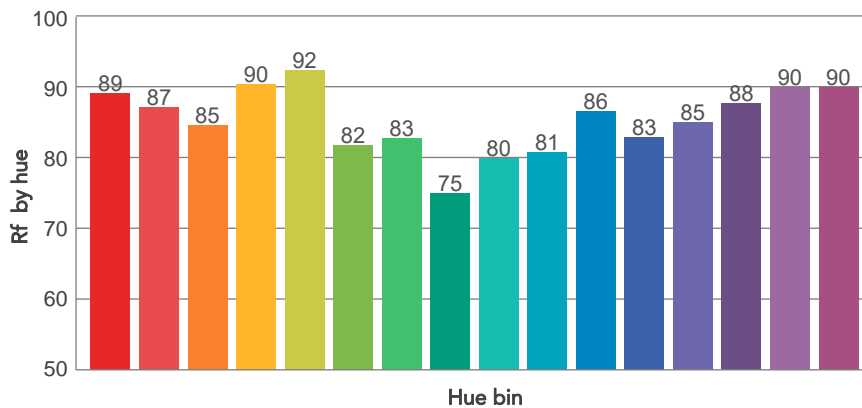
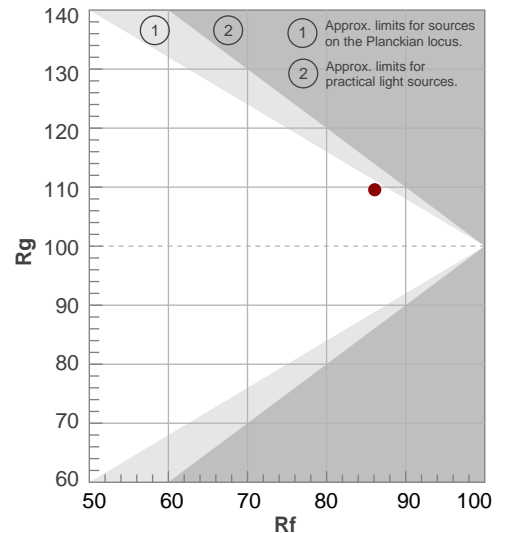
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
2685 K	83,3	78,3	86,1	109,6	84,9	59	0,459	0,406	-0,0016

# TM30 DETAILS

**Rf 86,1**  
Fidelity index Rf

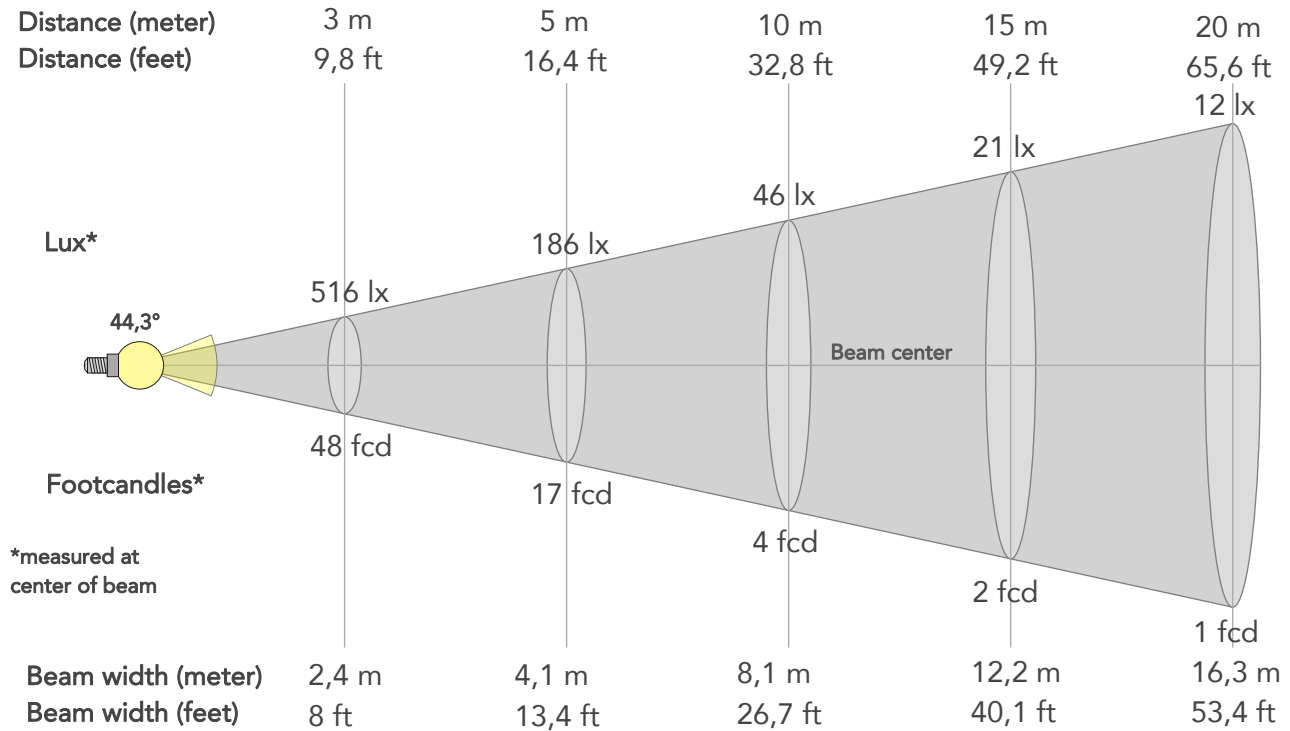
**Rg 109,6**  
Gammut index

		Graphic shifts (%)	
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	89	4%	-2%
2	87	5%	-4%
3	85	4%	-5%
4	90	2%	-4%
5	92	4%	4%
6	82	11%	9%
7	83	11%	2%
8	75	16%	-5%
9	80	8%	-8%
10	81	4%	-13%
11	86	1%	-10%
12	83	3%	-10%
13	85	3%	-12%
14	88	0%	-6%
15	90	3%	1%
16	90	3%	-5%



# BEAM DETAILS

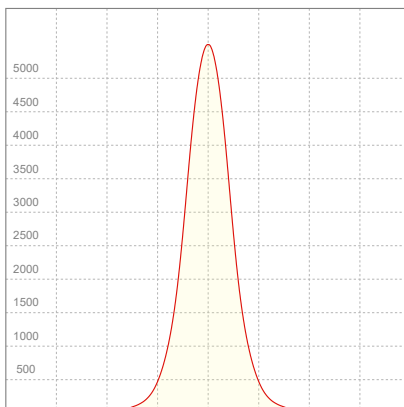
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,3°	86,4°	122,1°	95,4%	86,9%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	4646lx	1162lx	516lx	290lx	186lx	83lx	46lx	21lx	12lx	7lx	5lx	3lx	2lx
Footcand.	432fcd	108fcd	48fcd	27fcd	17fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,3m	4,1m	6,1m	8,1m	12,2m	16,3m	20,4m	24,4m	32,6m	40,7m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,4ft	20ft	26,7ft	40,1ft	53,4ft	66,8ft	80,1ft	106,8ft	133,5ft

## LINEAR DISTRIBUTION DIAGRAM

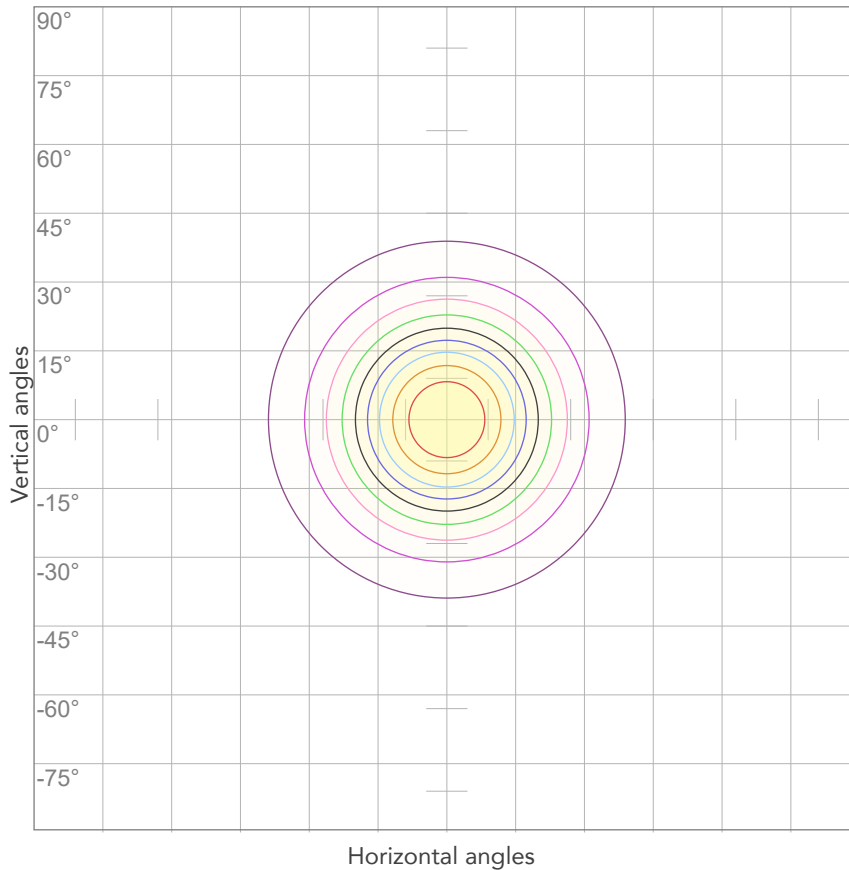


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,358A	74,3W	0,91	46lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



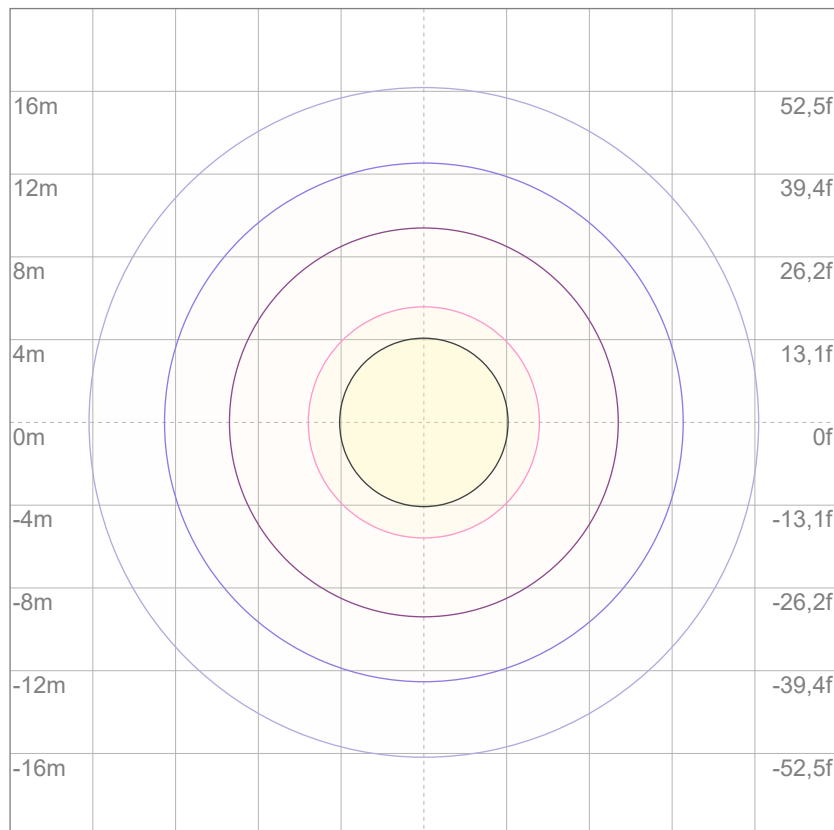
10%	465 cd
20%	929 cd
30%	1394 cd
40%	1859 cd
50%	2323 cd
60%	2788 cd
70%	3252 cd
80%	3717 cd

### Conditions:

Number of c-planes: 2

Candela at center: 4646 cd

## ISO LUX DIAGRAM



3%	1,39 lx
5%	2,32 lx
10%	4,65 lx
30%	13,9 lx
50%	23,2 lx

### Conditions:

Number of c-planes: 2

Lux at center: 46,5 lx

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



Total lumen output:

3106 lm

Peak candela output:

2832 cd

Light quality:

CRI: 83,8

Color temperature:

2778 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 60° Filter

Target:

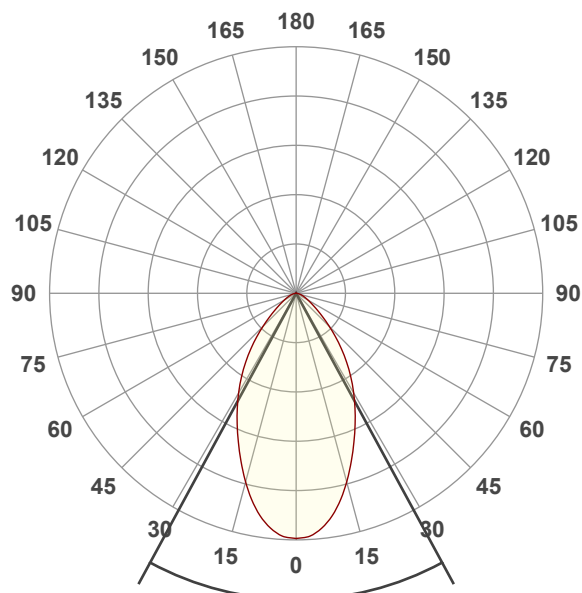
2800K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 11:22:21

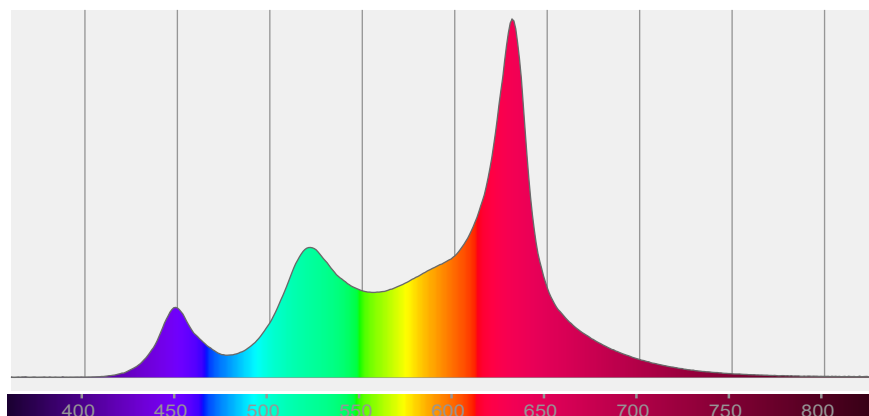


Beam angle 50%: 56,9°

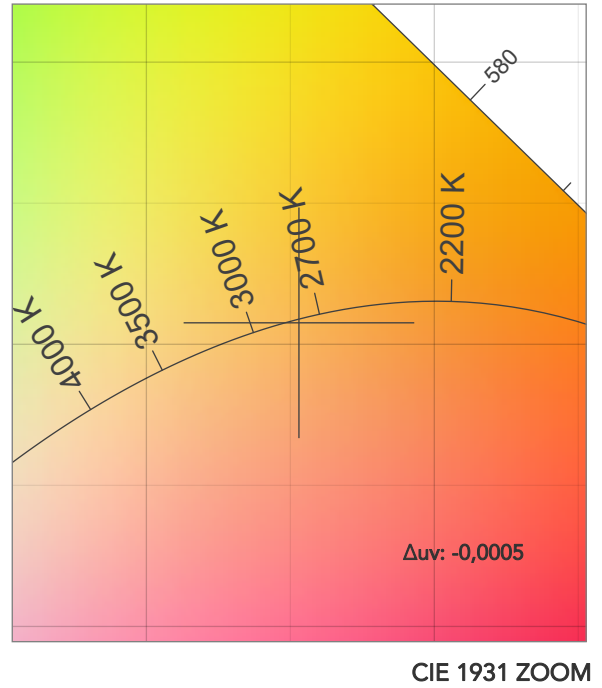
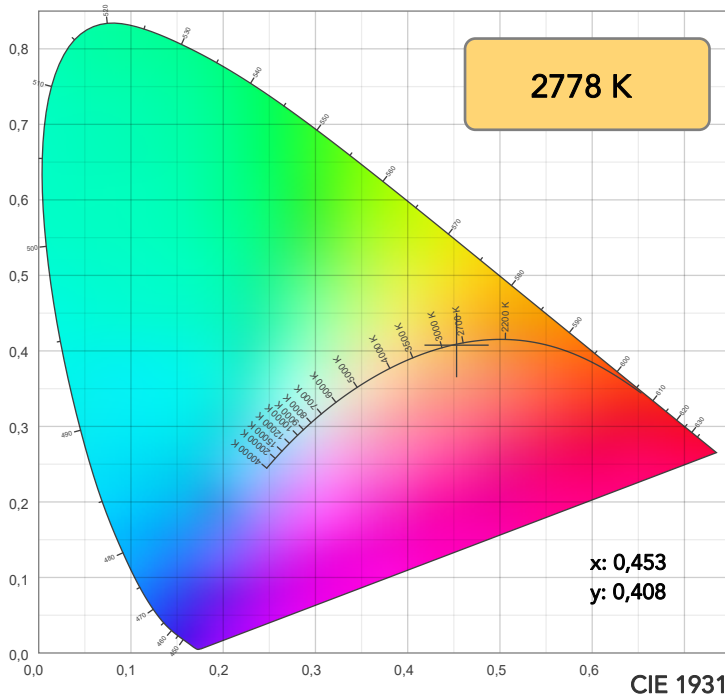
Field angle 10%: 105,7°

Cut off angle 2.5%: 142,1°

**Spectra**

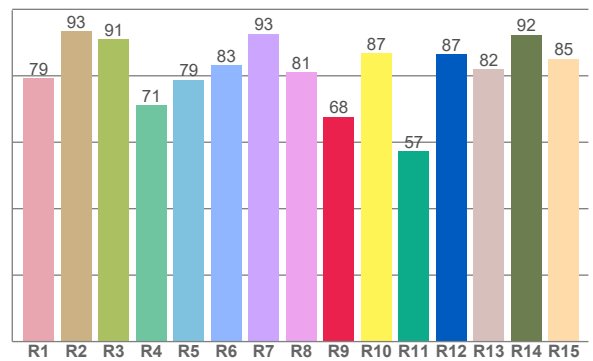
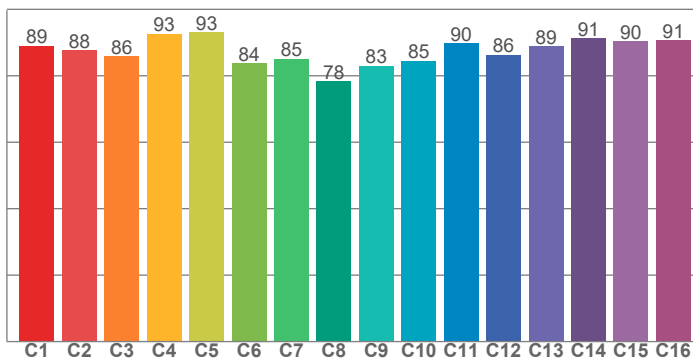


## COLOR DETAILS



TM30: 88,0

CRI: 83,8 (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
79,3	93,4	91,0	71,0	78,8	83,1	92,7	81,1	67,6	86,7	57,2	86,6	82,0	92,3	85,1

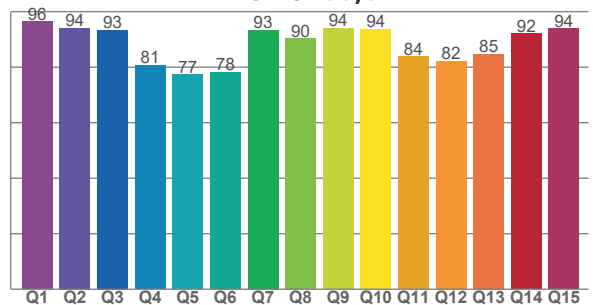
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,0	87,7	85,8	92,6	93,1	83,7	85,1	78,3	83,0	84,5	89,8	86,4	88,8	91,2	90,4	90,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,5	94,1	93,4	80,6	77,4	78,2	93,3	90,2	94,0	93,8	83,8	82,3	84,8	92,2	93,9

CQS: 86,6



## COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
2778 K	83,8	67,6	88,0	108,6	86,6	68	0,453	0,408	-0,0005

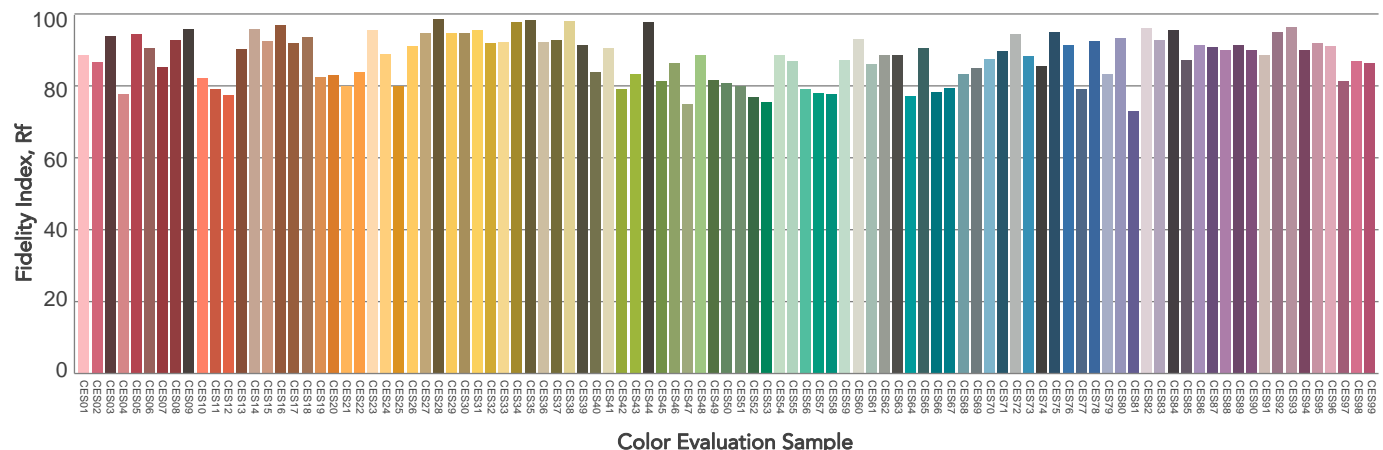
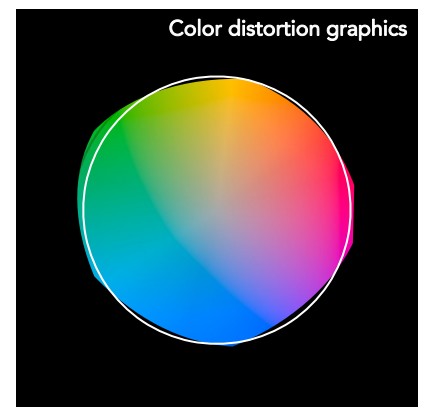
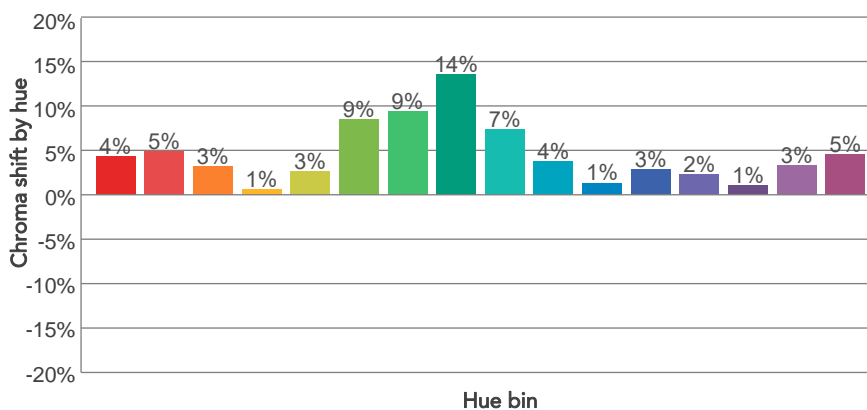
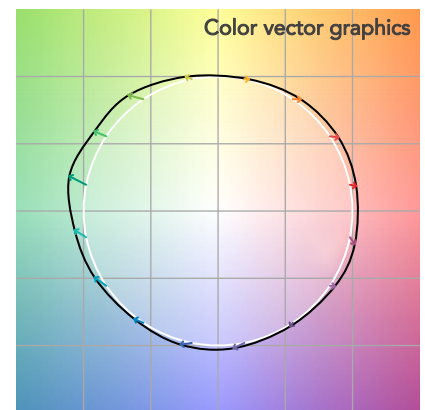
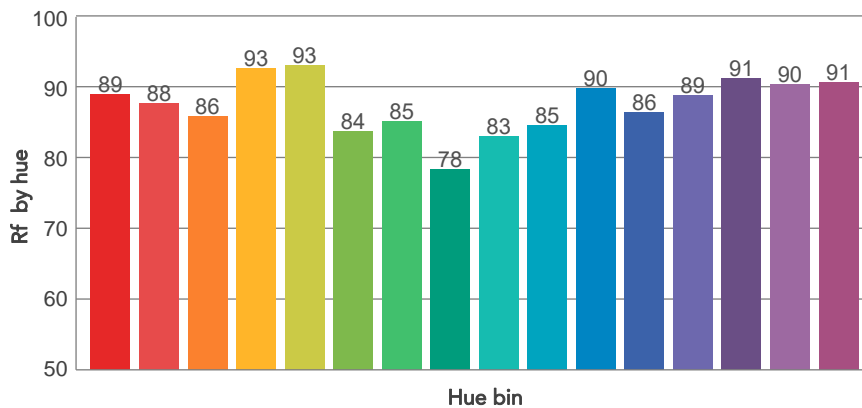
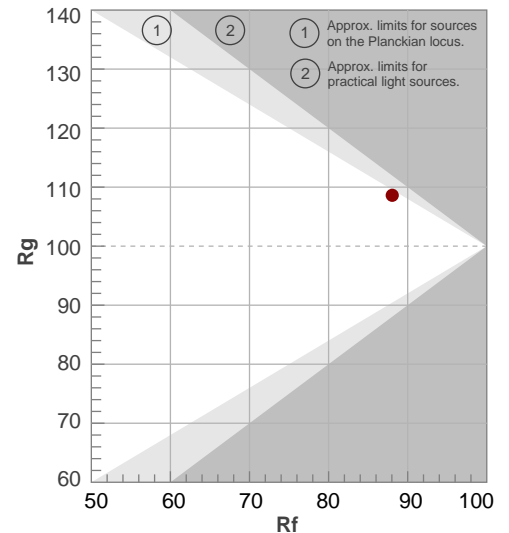


# TM30 DETAILS

**Rf 88,0**  
Fidelity index Rf

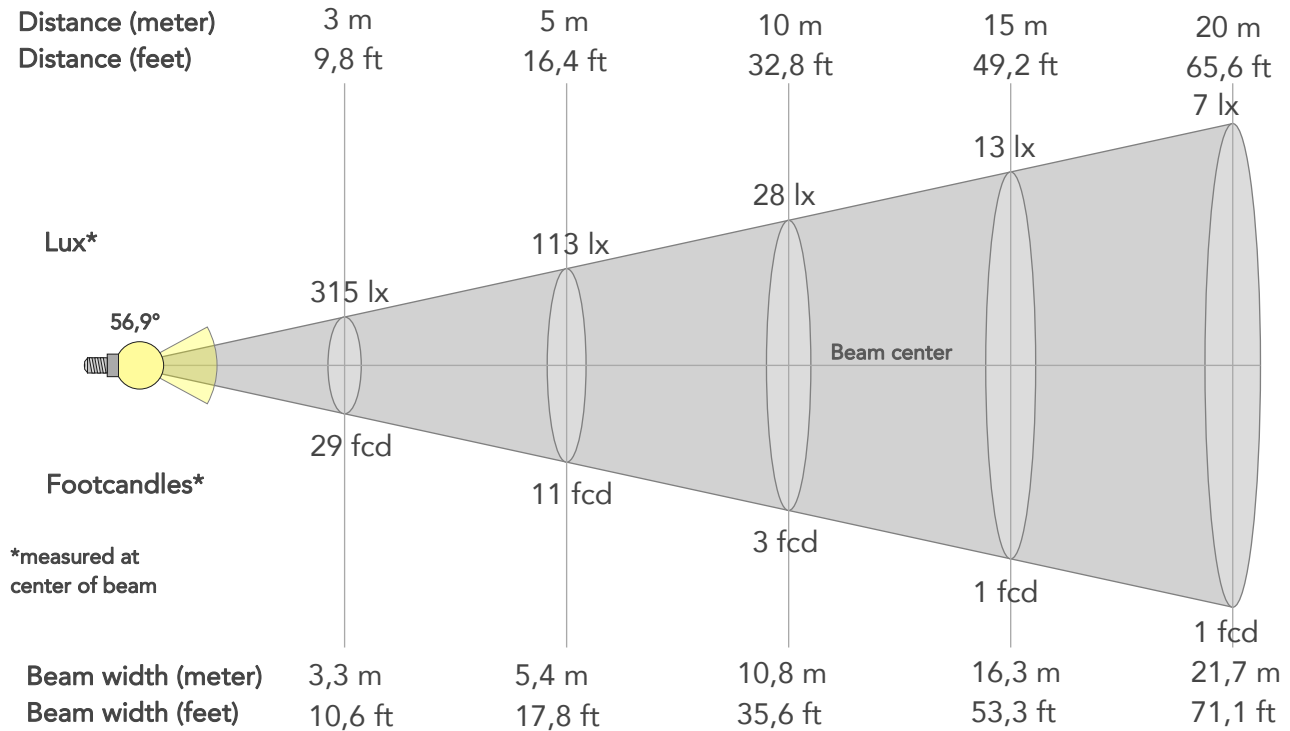
**Rg 108,6**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	89	4%	-2%
2	88	5%	-4%
3	86	3%	-5%
4	93	1%	-3%
5	93	3%	4%
6	84	9%	8%
7	85	9%	2%
8	78	14%	-4%
9	83	7%	-7%
10	85	4%	-10%
11	90	1%	-7%
12	86	3%	-8%
13	89	2%	-9%
14	91	1%	-3%
15	90	3%	2%
16	91	5%	-4%



# BEAM DETAILS

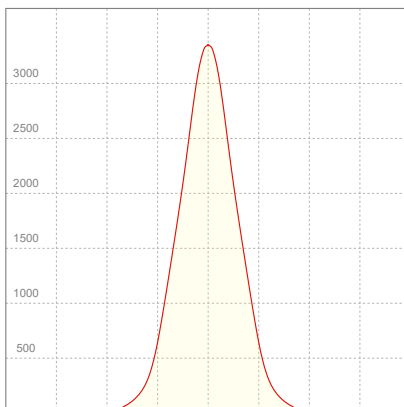
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,9°	105,7°	142,1°	94,1%	81,3%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2832lx	708lx	315lx	177lx	113lx	50lx	28lx	13lx	7lx	5lx	3lx	2lx	1lx
Footcand.	263fcd	66fcd	29fcd	16fcd	11fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,3m	5,4m	8,1m	10,8m	16,3m	21,7m	27,1m	32,5m	43,4m	54,2m
Beam wid.	3,6ft	7,2ft	10,6ft	14,2ft	17,8ft	26,7ft	35,6ft	53,3ft	71,1ft	88,9ft	106,7ft	142,3ft	177,8ft

## LINEAR DISTRIBUTION DIAGRAM

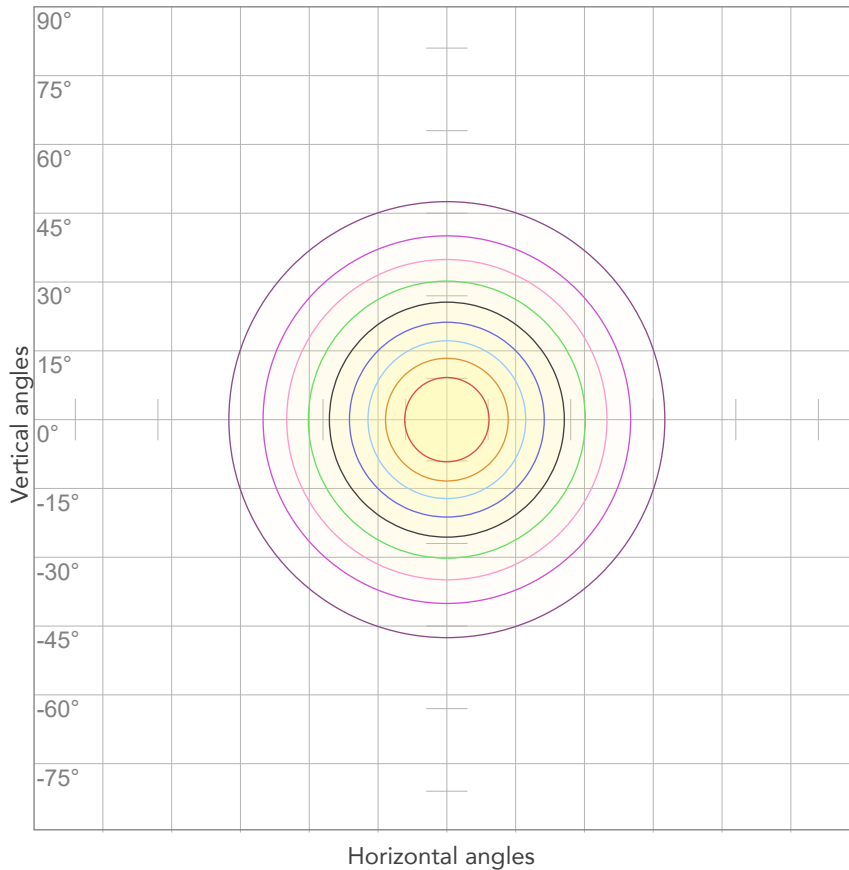


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,344A	71,2W	0,91	44lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



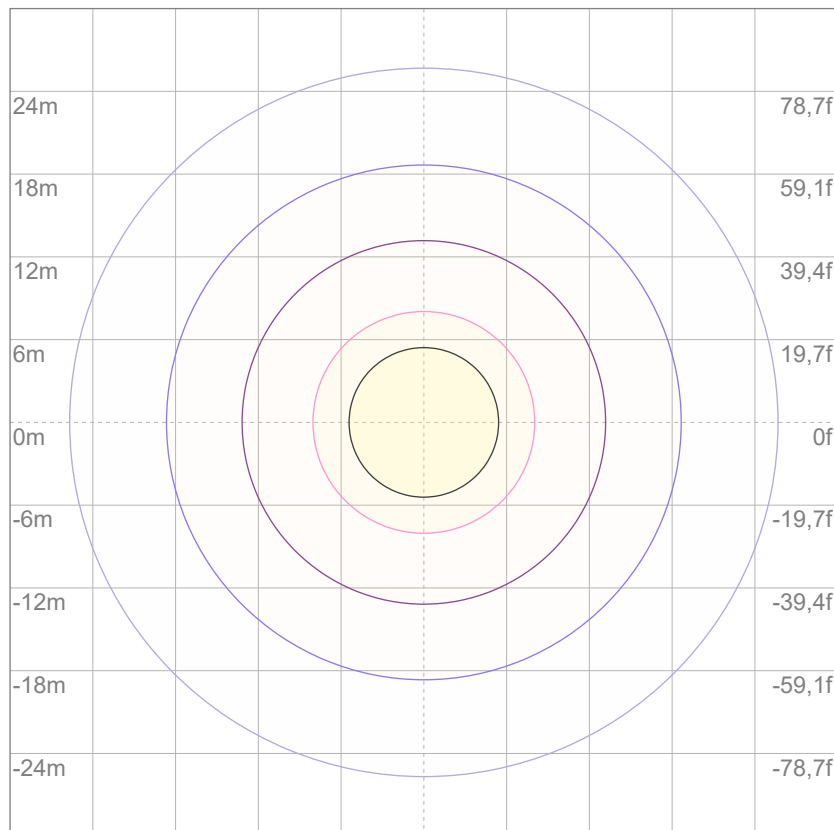
10%	283 cd
20%	566 cd
30%	850 cd
40%	1133 cd
50%	1416 cd
60%	1699 cd
70%	1982 cd
80%	2265 cd

### Conditions:

Number of c-planes: 2

Candela at center: 2832 cd

## ISO LUX DIAGRAM



3%	0,850 lx
5%	1,42 lx
10%	2,83 lx
30%	8,50 lx
50%	14,2 lx

### Conditions:

Number of c-planes: 2

Lux at center: 28,3 lx

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



Total lumen output:

4718 lm

Peak candela output:

9884 cd

Light quality:

CRI: 83,9

Color temperature:

2775 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 10°x 60° Filter

Target:

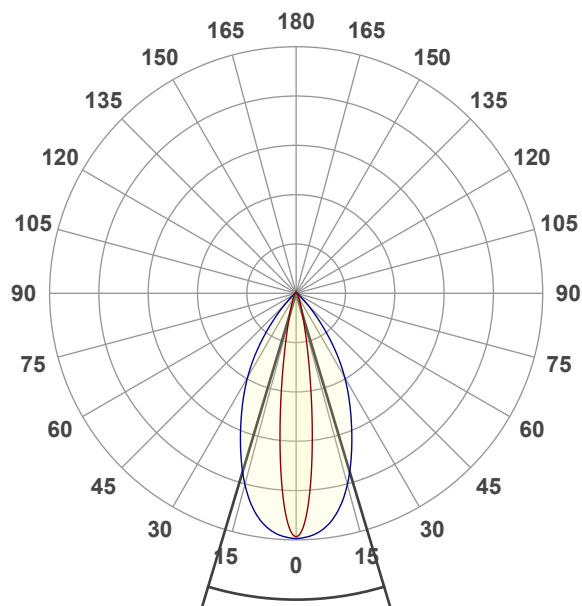
2800K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 11:30:32

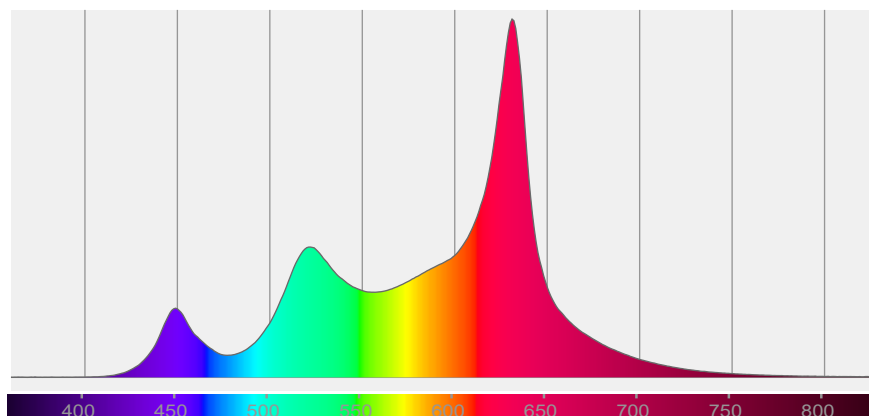


Beam angle 50%: 33,4°

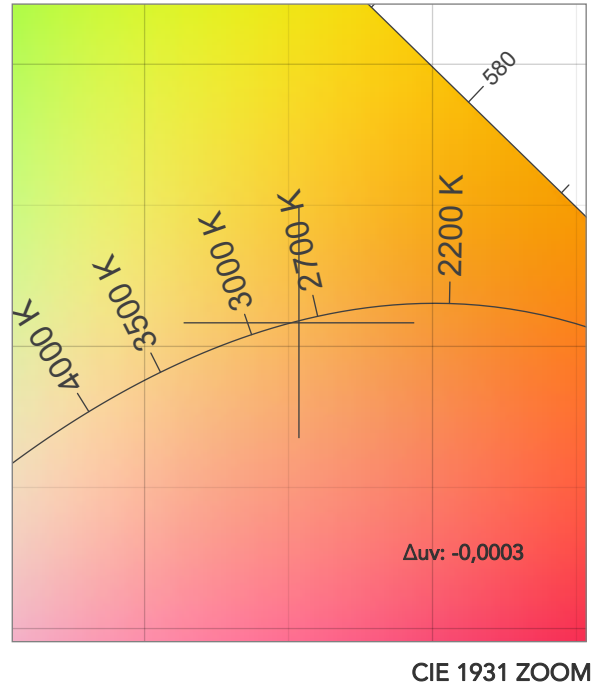
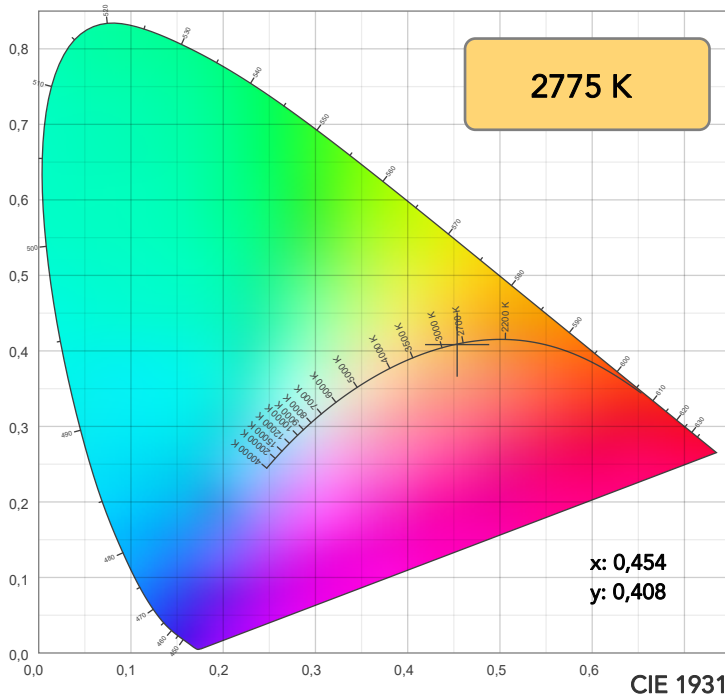
Field angle 10%: 58,8°

Cut off angle 2.5%: 81,8°

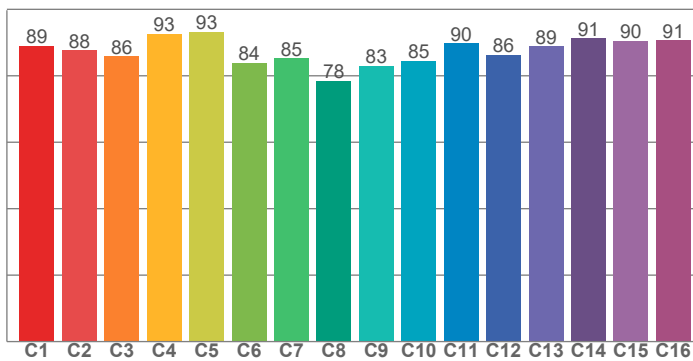
**Spectra**



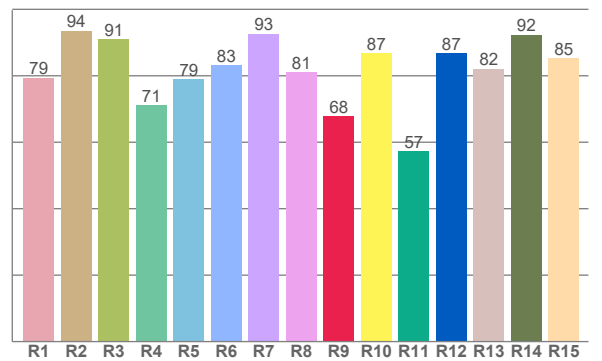
## COLOR DETAILS



TM30: 88,1



CRI: 83,9 (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
79,4	93,5	91,0	71,1	78,9	83,2	92,6	81,2	67,9	86,9	57,3	86,8	82,1	92,3	85,2

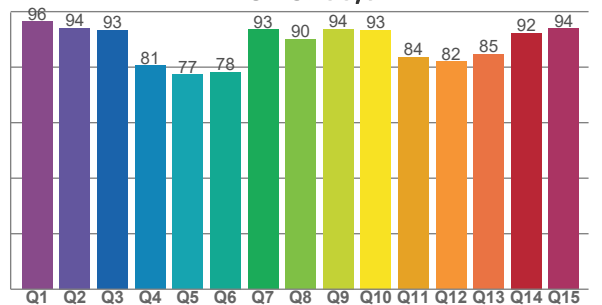
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,0	87,7	85,8	92,6	93,1	83,8	85,3	78,4	83,0	84,5	89,8	86,3	88,8	91,2	90,5	90,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,5	94,1	93,3	80,5	77,4	78,3	93,5	90,0	93,8	93,4	83,5	82,1	84,6	92,2	93,9

CQS: 86,5



## COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
2775 K	83,9	67,9	88,1	108,5	86,5	68	0,454	0,408	-0,0003

## TM30 DETAILS

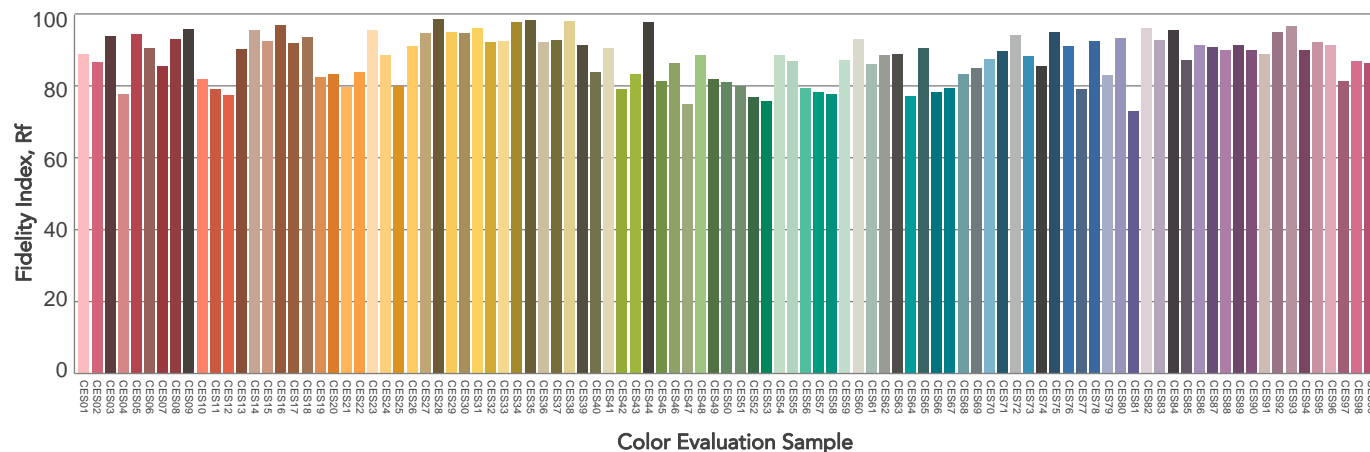
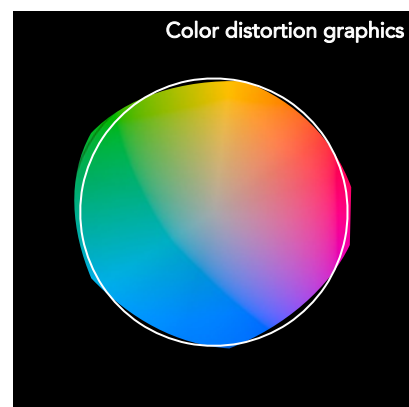
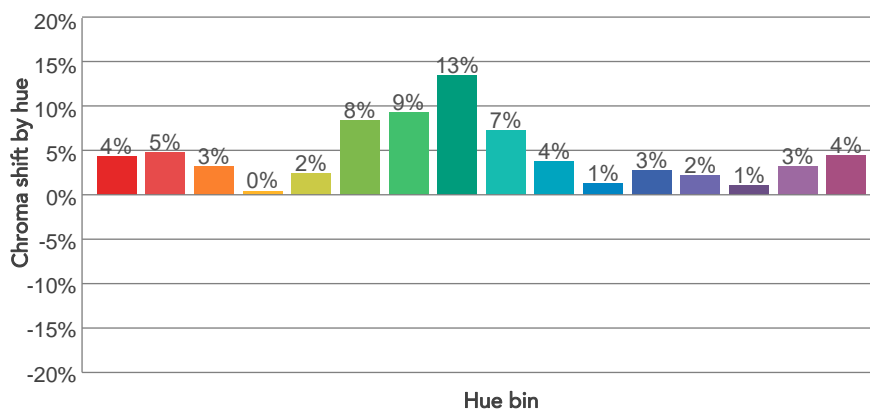
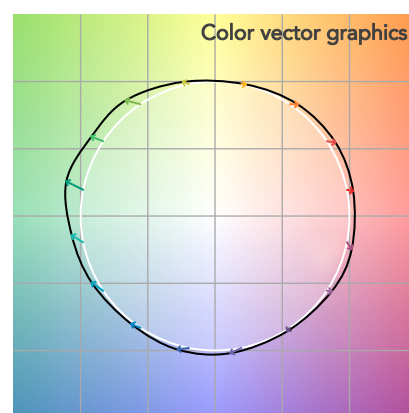
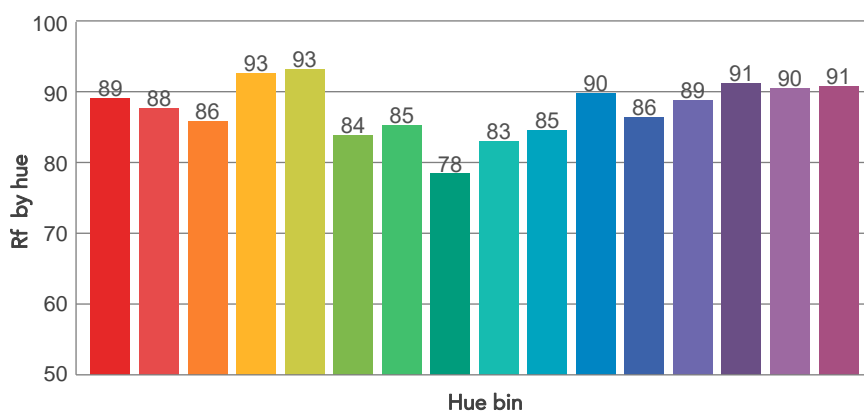
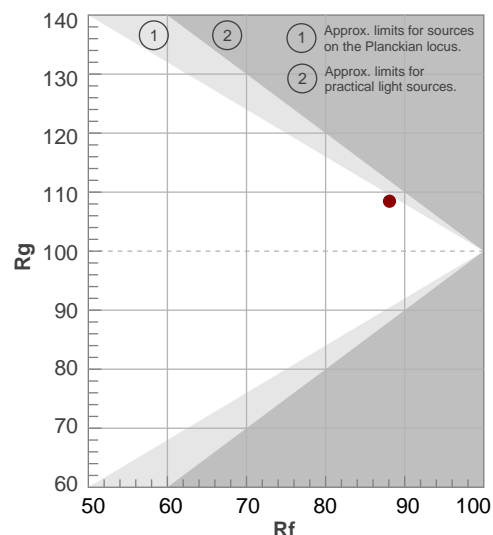
**Rf 88,1**

Fidelity index Rf

**Rg 108,5**

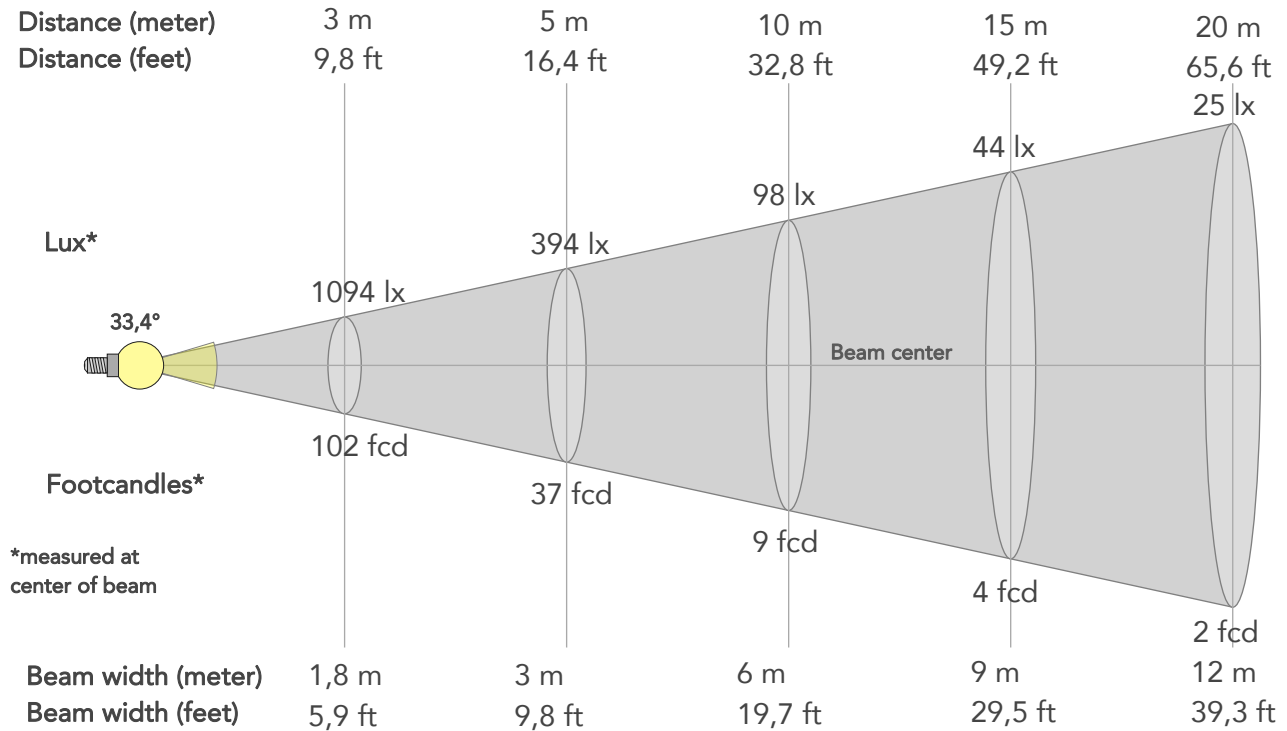
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	89	4%	-2%
2	88	5%	-4%
3	86	3%	-5%
4	93	0%	-3%
5	93	2%	4%
6	84	8%	8%
7	85	9%	2%
8	78	13%	-4%
9	83	7%	-7%
10	85	4%	-10%
11	90	1%	-7%
12	86	3%	-8%
13	89	2%	-9%
14	91	1%	-3%
15	90	3%	2%
16	91	4%	-4%



# BEAM DETAILS

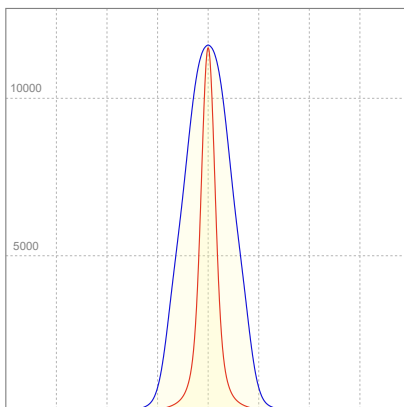
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,4°	58,8°	81,8°	97,3%	92,3%



## 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	9847lx	2462lx	1094lx	615lx	394lx	175lx	98lx	44lx	25lx	16lx	11lx	6lx	4lx
Footcand.	915fcd	229fcd	102fcd	57fcd	37fcd	16fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,8ft	14,8ft	19,7ft	29,5ft	39,3ft	49,2ft	59ft	78,7ft	98,4ft

## LINEAR DISTRIBUTION DIAGRAM

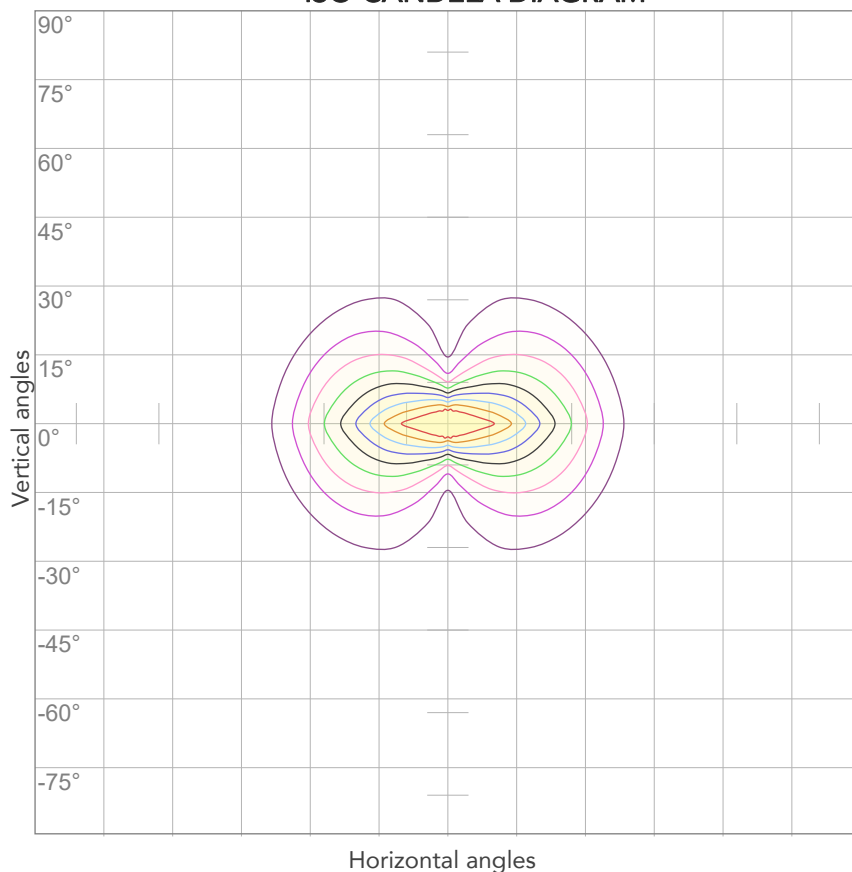


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,345A	71,3W	0,91	66lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



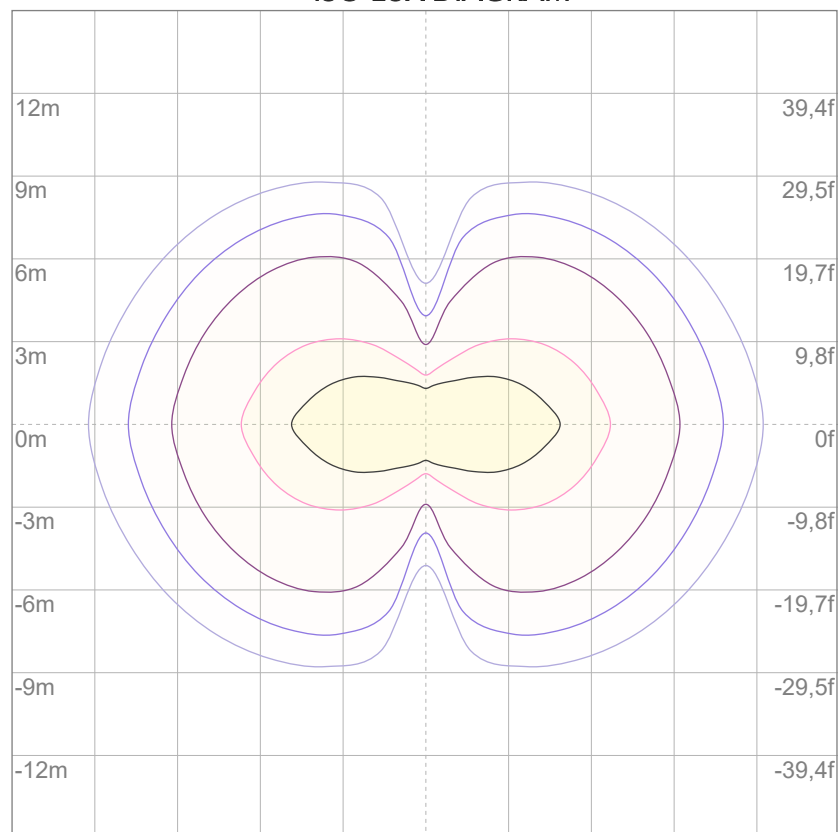
10%	985 cd
20%	1969 cd
30%	2954 cd
40%	3939 cd
50%	4923 cd
60%	5908 cd
70%	6893 cd
80%	7877 cd

### Conditions:

Number of c-planes: 4

Candela at center: 9847 cd

## ISO LUX DIAGRAM



3%	2,95 lx
5%	4,92 lx
10%	9,85 lx
30%	29,5 lx
50%	49,2 lx

### Conditions:

Number of c-planes: 4

Lux at center: 98,5 lx

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





Total lumen output:

3415 lm

Peak candela output:

4884 cd

Light quality:

CRI: 84,5

Color temperature:

2815 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASUREMENT CONDITIONS:**

Beam angle:

10° + 30°x 60° Filter

Target:

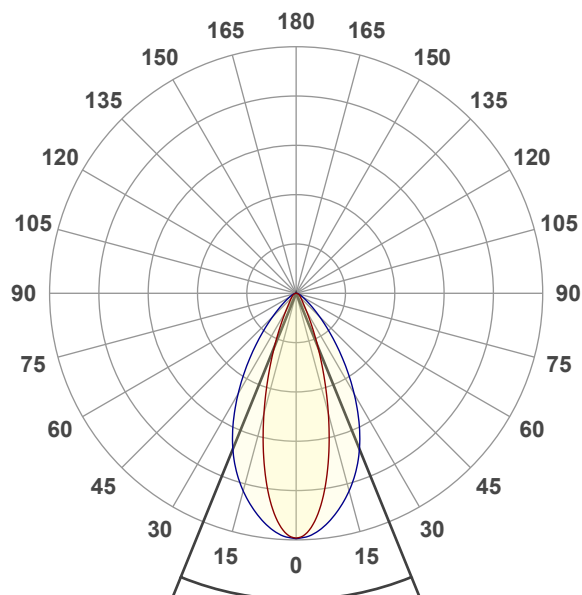
2800K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 12:30:53

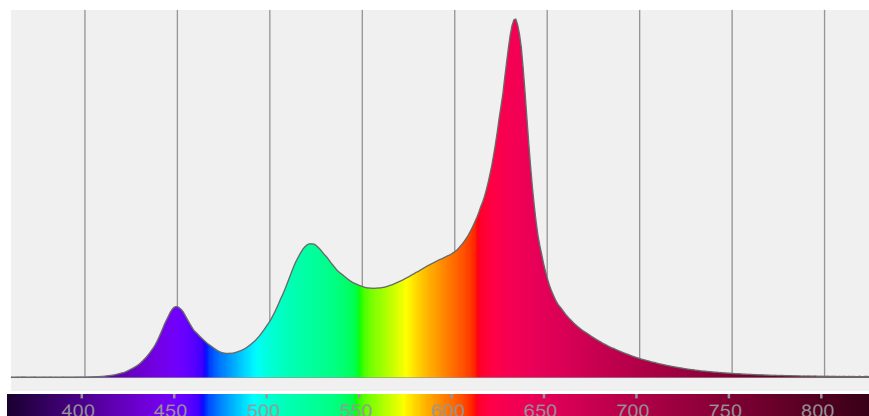


Beam angle 50%: 44,2°

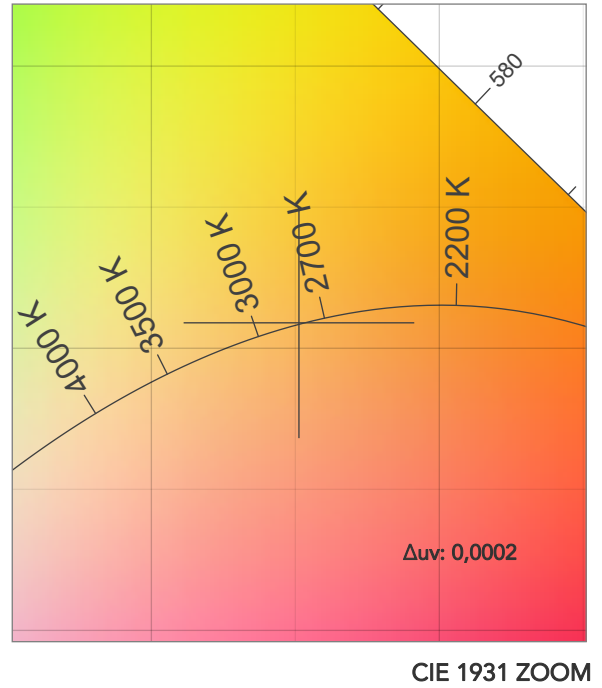
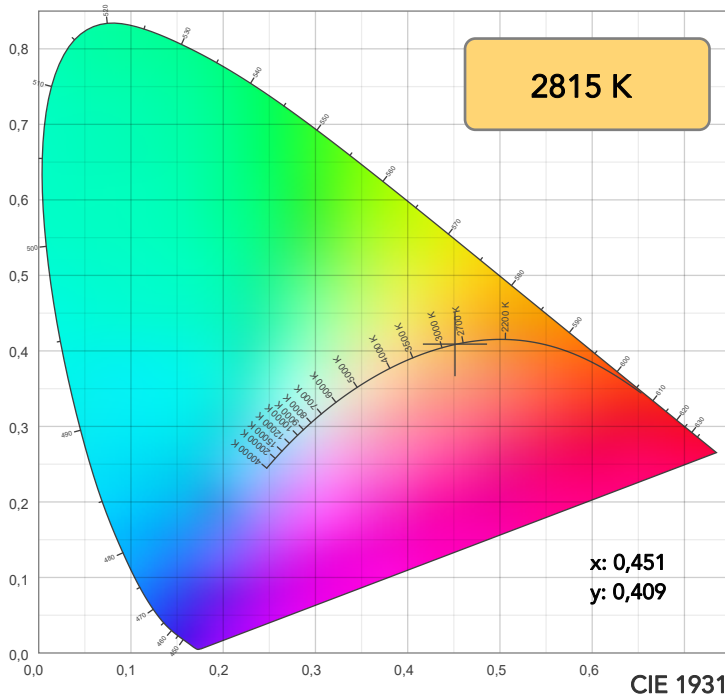
Field angle 10%: 76,8°

Cut off angle 2.5%: 110,7°

**Spectra**

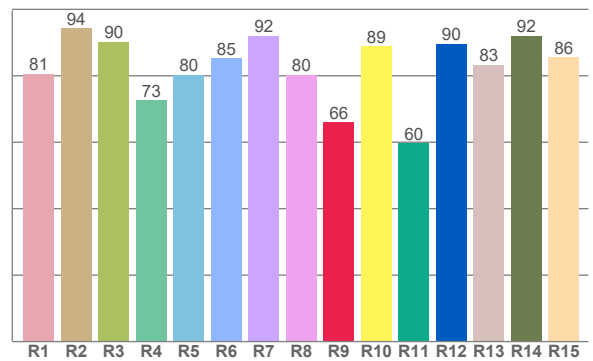
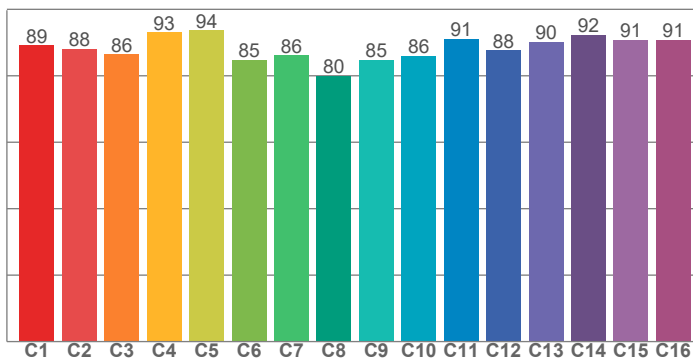


## COLOR DETAILS



TM30: 88,9

CRI: 84,5 (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
80,6	94,4	90,2	72,6	80,3	85,3	92,1	80,3	66,0	88,8	59,7	89,6	83,3	92,0	85,6

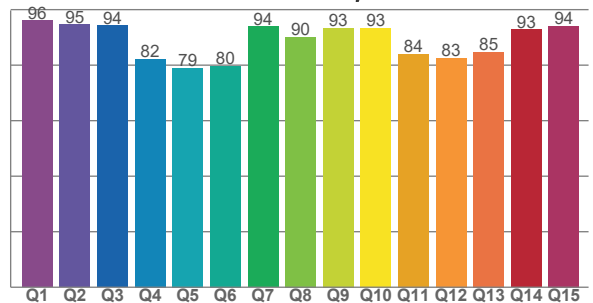
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,2	88,1	86,5	93,1	93,7	84,7	86,1	79,9	84,8	86,0	91,2	87,7	90,2	92,3	90,7	90,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,1	94,6	94,2	82,2	78,9	79,7	93,9	90,2	93,4	93,4	84,0	82,5	84,8	92,8	94,1

CQS: 87,2



## 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	$\Delta uv$
2815 K	84,5	66,0	88,9	108,0	87,2	71	0,451	0,409	0,0002

## TM30 DETAILS

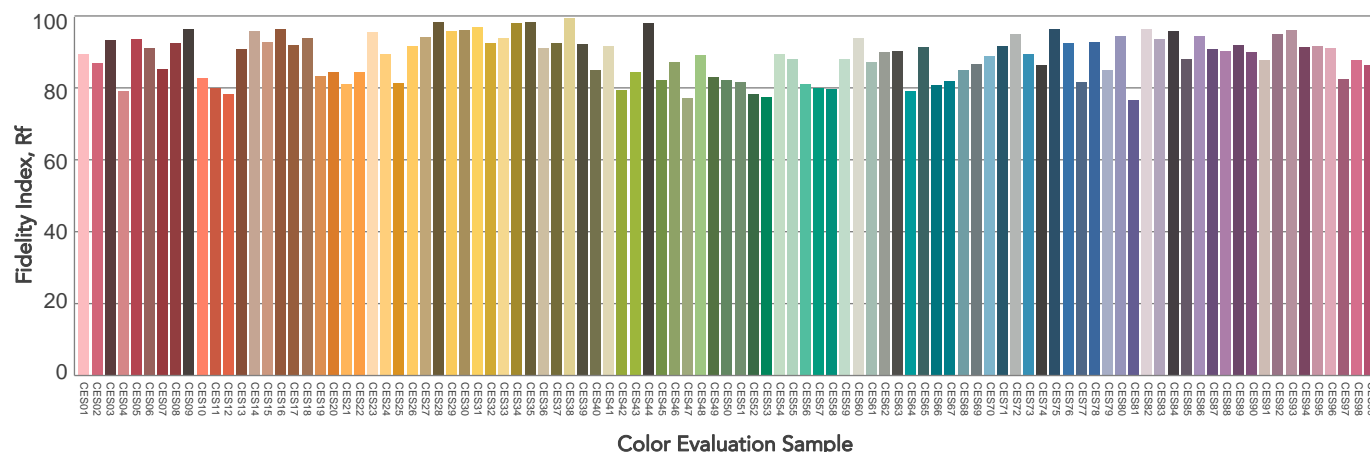
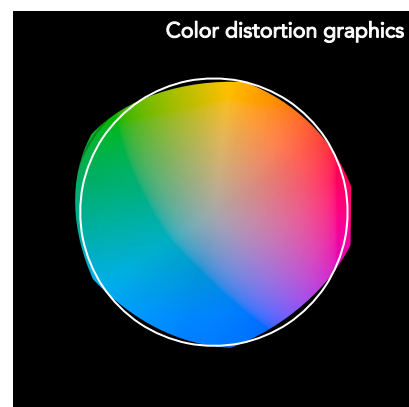
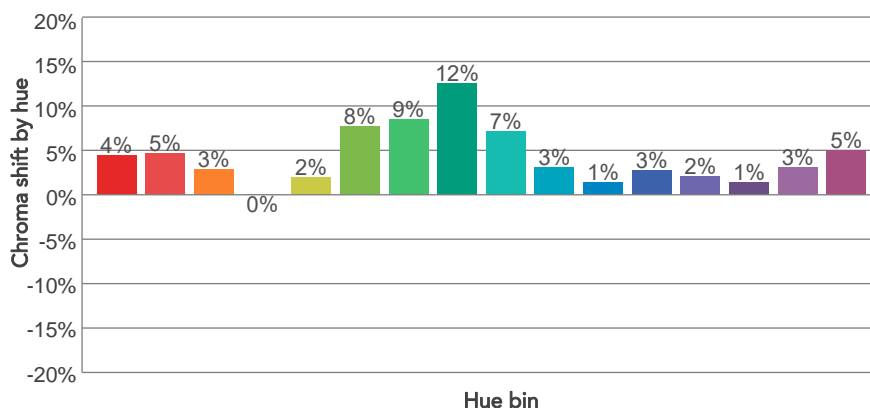
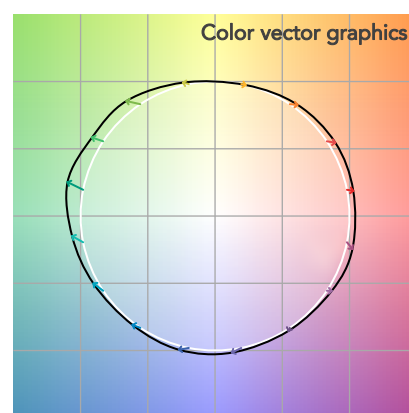
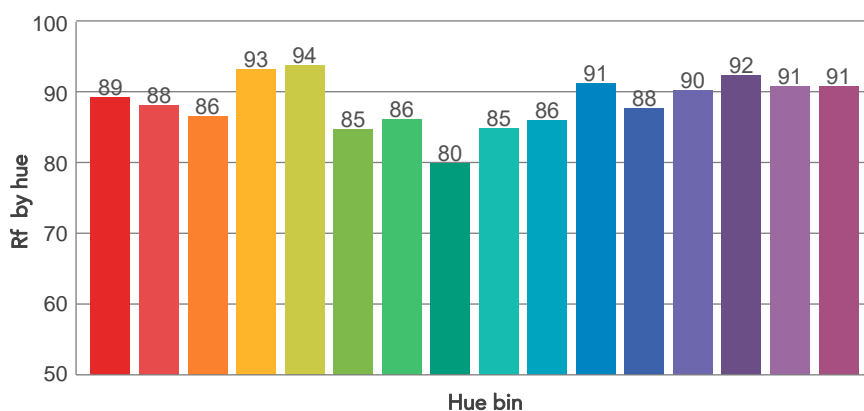
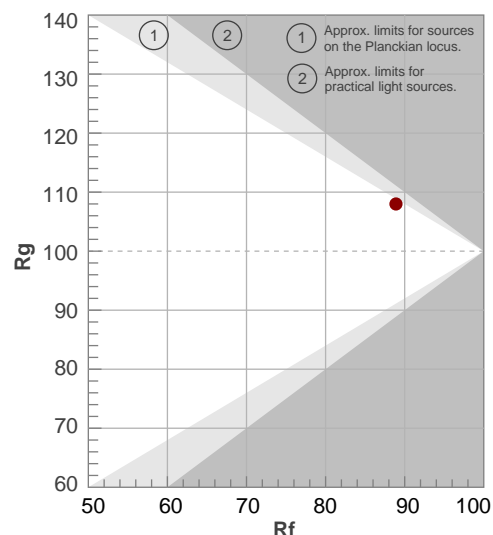
**Rf 88,9**

Fidelity index Rf

**Rg 108,0**

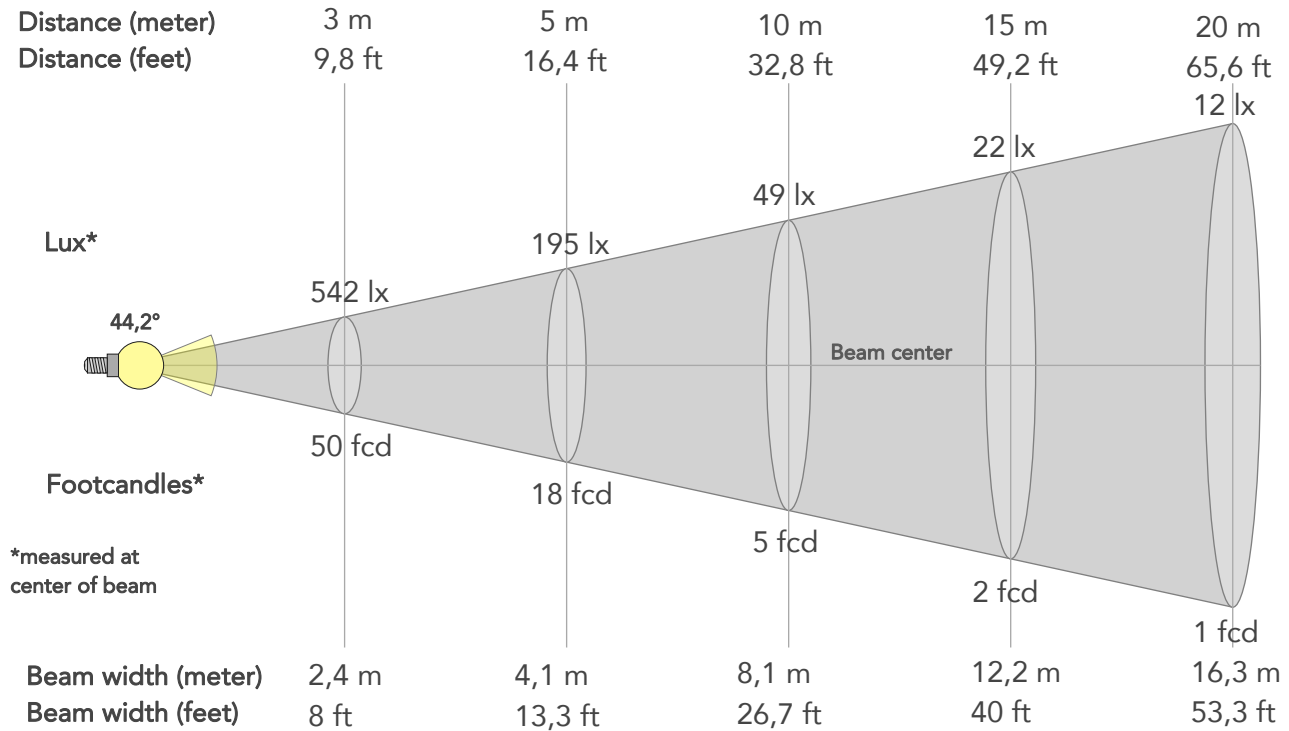
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	89	4%	-2%
2	88	5%	-4%
3	86	3%	-5%
4	93	0%	-3%
5	94	2%	4%
6	85	8%	7%
7	86	9%	2%
8	80	12%	-3%
9	85	7%	-6%
10	86	3%	-9%
11	91	1%	-6%
12	88	3%	-7%
13	90	2%	-7%
14	92	1%	-2%
15	91	3%	2%
16	91	5%	-4%



# BEAM DETAILS

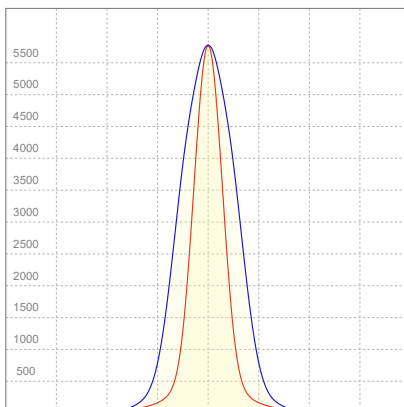
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,2°	76,8°	110,7°	95,7%	87,4%



## 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	4880lx	1220lx	542lx	305lx	195lx	87lx	49lx	22lx	12lx	8lx	5lx	3lx	2lx
Footcand.	453fcd	113fcd	50fcd	28fcd	18fcd	8fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,3m	4,1m	6,1m	8,1m	12,2m	16,3m	20,3m	24,4m	32,5m	40,6m
Beam wid.	2,7ft	5,4ft	8ft	10,6ft	13,3ft	20ft	26,7ft	40ft	53,3ft	66,7ft	80ft	106,7ft	133,3ft

## LINEAR DISTRIBUTION DIAGRAM

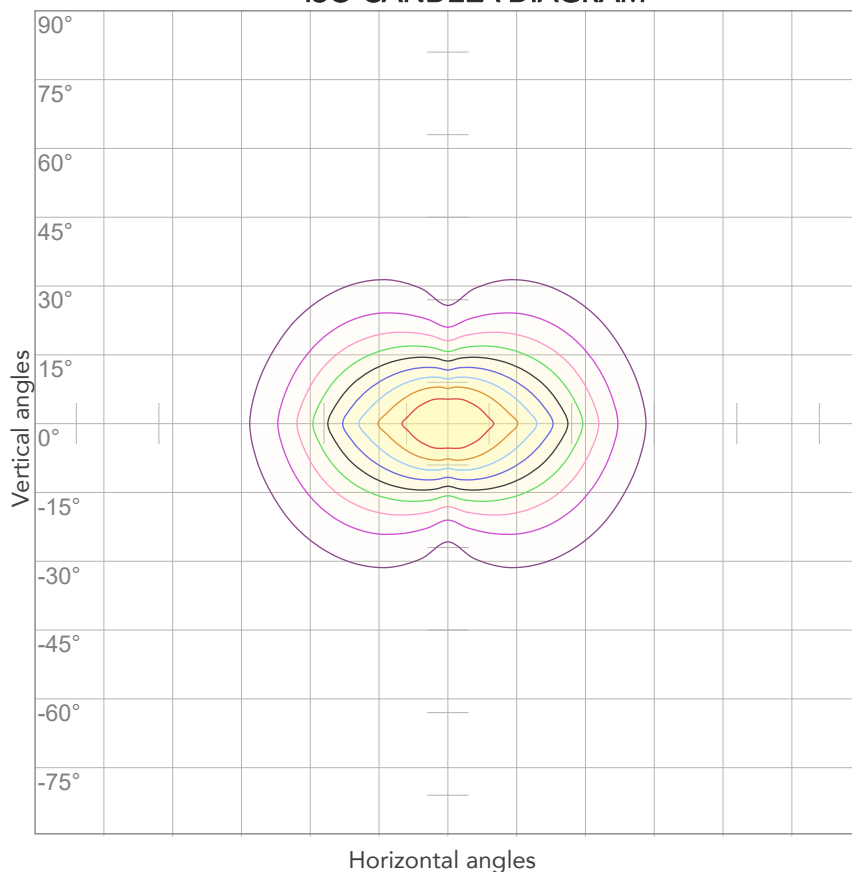


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,339A	70,3W	0,91	49lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



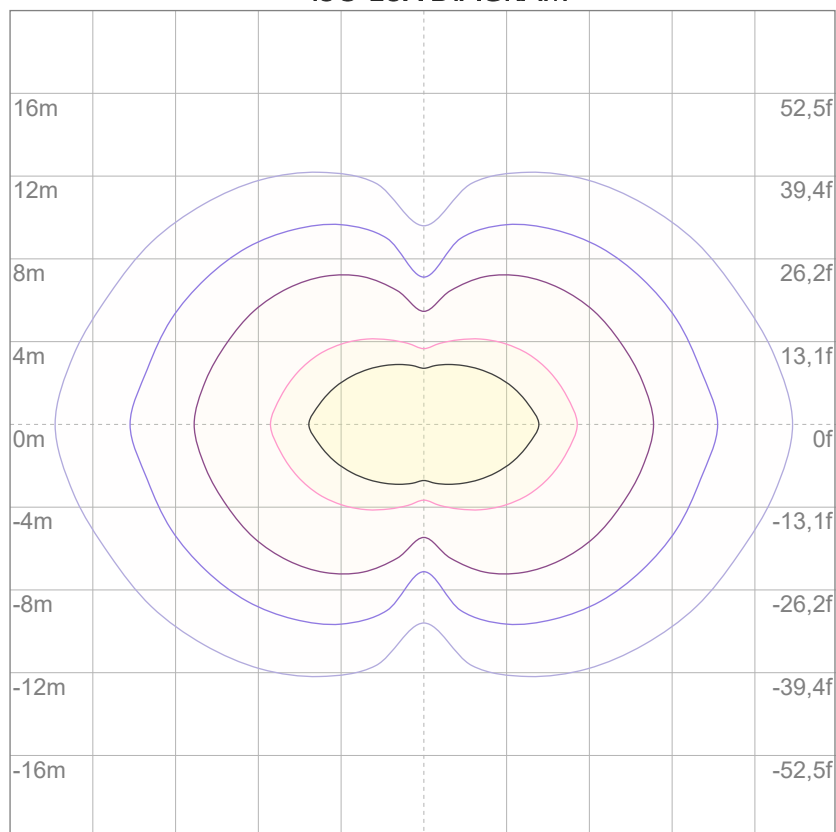
10%	488 cd
20%	976 cd
30%	1464 cd
40%	1952 cd
50%	2440 cd
60%	2928 cd
70%	3416 cd
80%	3904 cd

### Conditions:

Number of c-planes: 4

Candela at center: 4880 cd

## ISO LUX DIAGRAM



3%	1,46 lx
5%	2,44 lx
10%	4,88 lx
30%	14,6 lx
50%	24,4 lx

### Conditions:

Number of c-planes: 4

Lux at center: 48,8 lx

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



Total lumen output:

4131 lm

Peak candela output:

75879 cd

Light quality:

CRI: 83,2

Color temperature:

3227 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10°

Target:

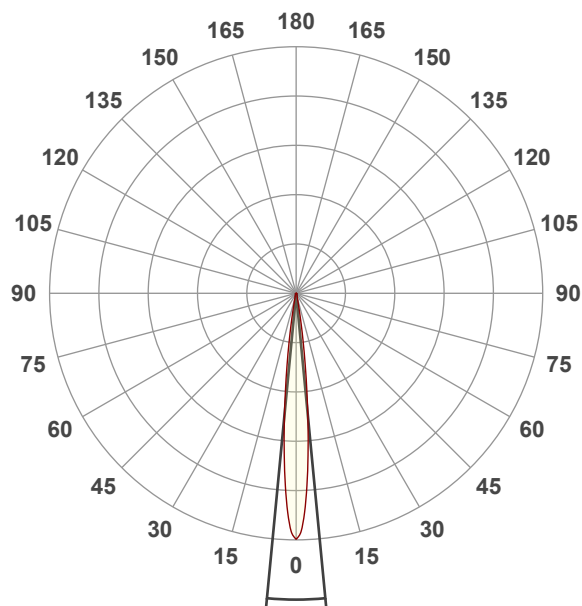
3200K

Operator:

Salvatore Giglio

Date and time:

23/02/2024 17:08:23

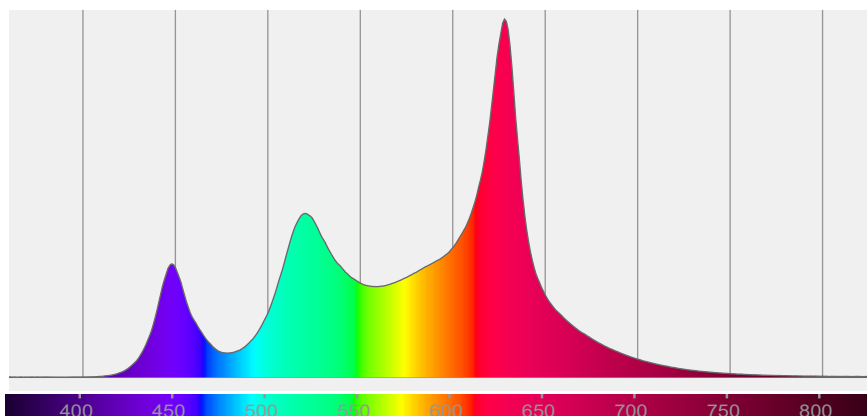


Beam angle 50%: 10,9°

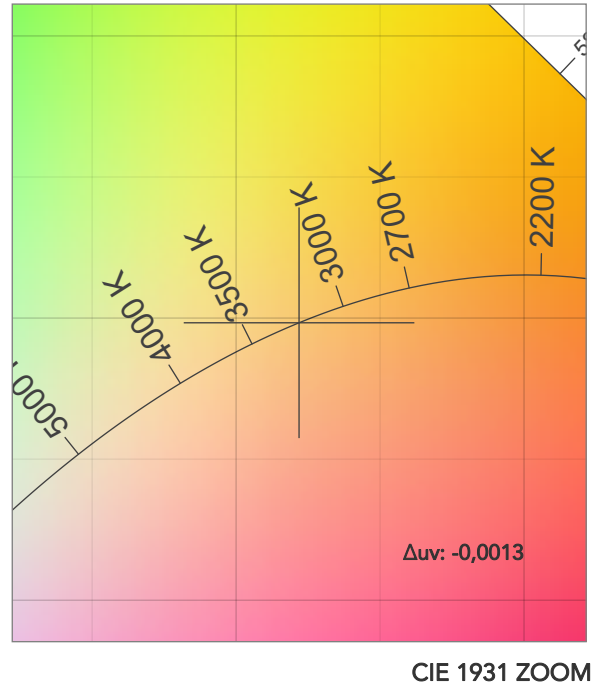
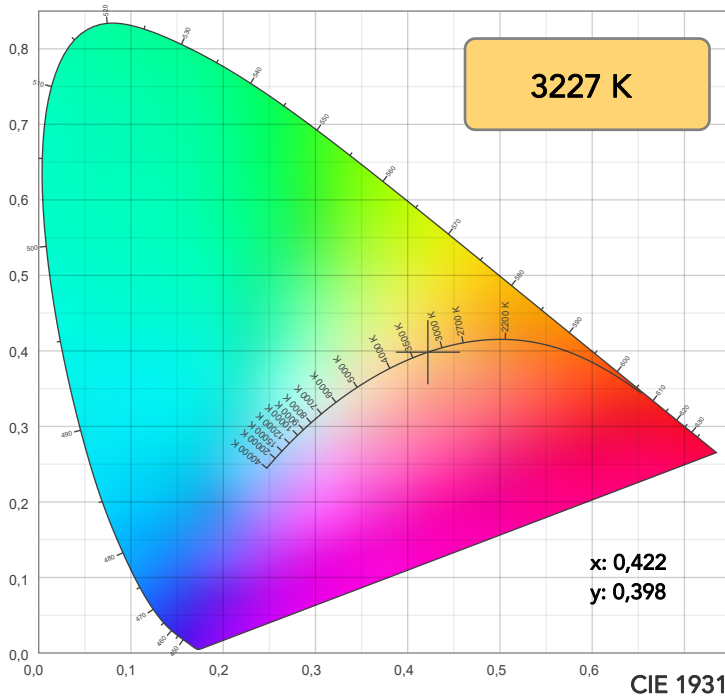
Field angle 10%: 19,7°

Cut off angle 2.5%: 26,6°

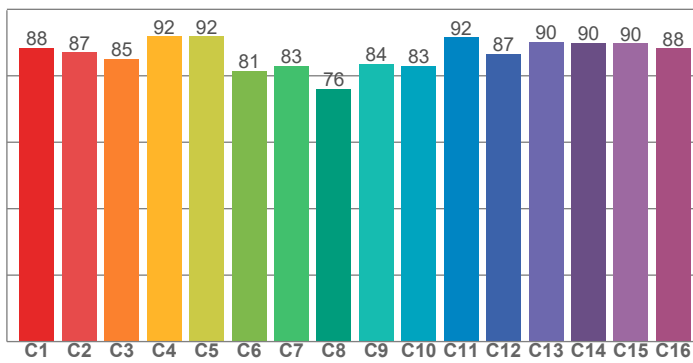
**Spectra**



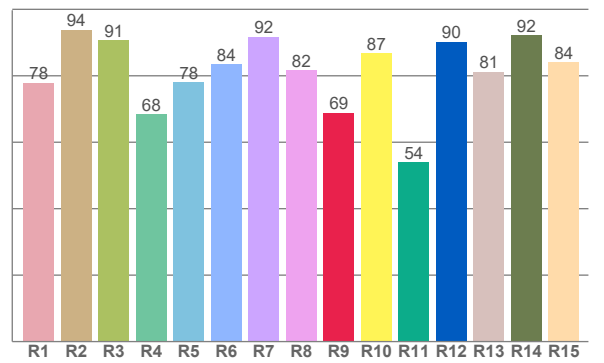
# COLOR DETAILS



TM30: 87,4



CRI: 83,2 (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
77,9	93,8	90,6	68,4	78,1	83,5	91,8	81,8	68,9	86,8	54,0	90,2	81,2	92,1	84,1

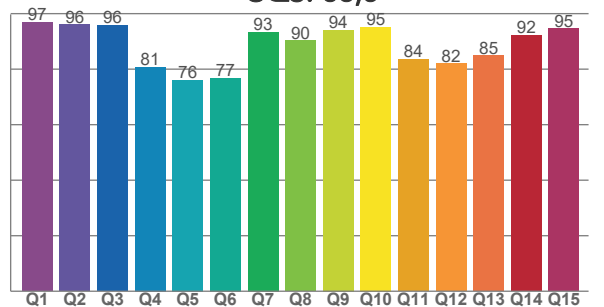
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,3	87,1	85,2	91,8	91,9	81,4	83,1	76,0	83,6	83,0	91,6	86,6	90,2	90,0	89,8	88,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,9	96,1	95,8	80,8	76,2	76,9	93,4	90,3	94,1	95,2	83,5	82,0	84,9	92,2	94,6

CQS: 86,5



## COLOR PARAMETERS

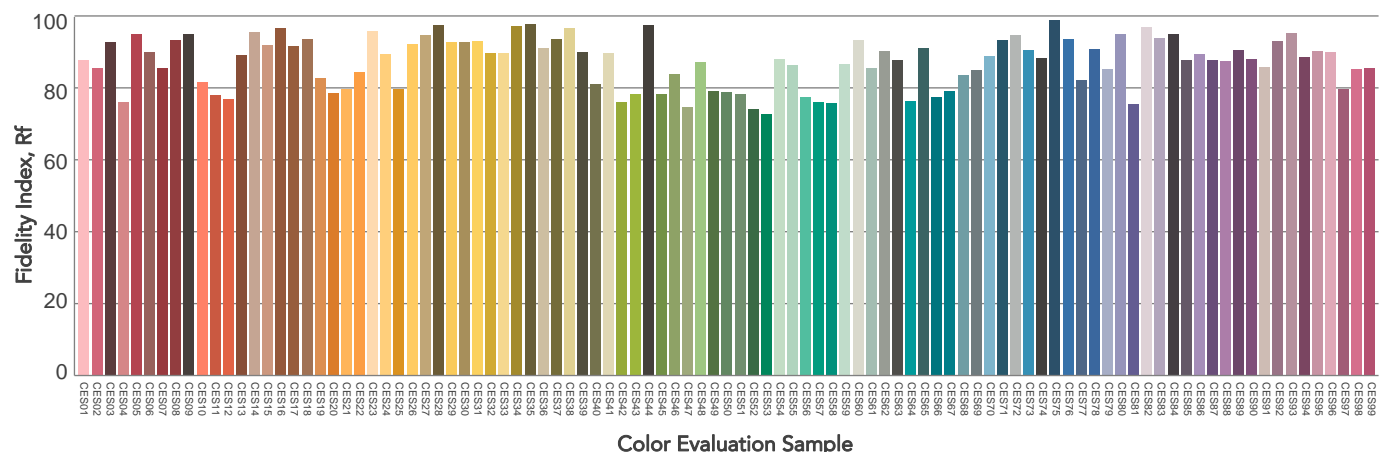
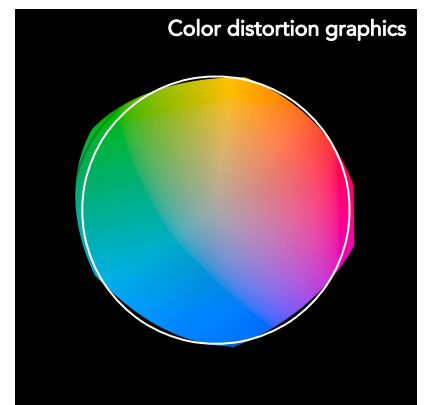
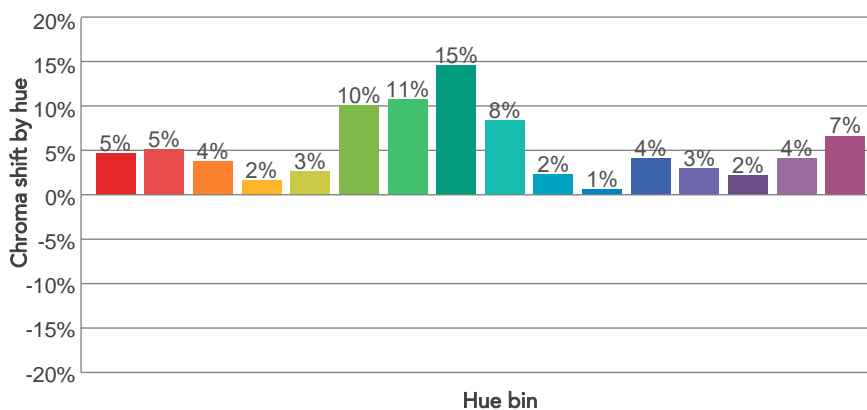
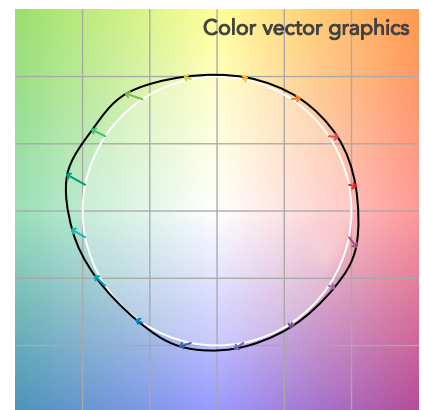
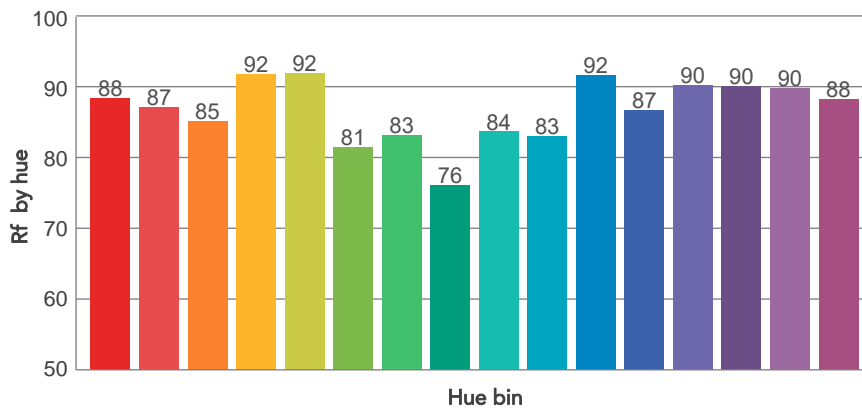
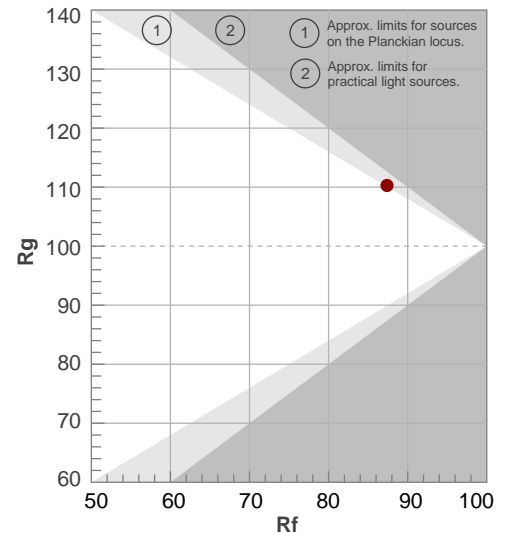
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
3227 K	83,2	68,9	87,4	110,3	86,5	65	0,422	0,398	-0,0013

# TM30 DETAILS

**Rf 87,4**  
Fidelity index Rf

**Rg 110,3**  
Gammut index

		Graphic shifts (%)	
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	88	5%	-2%
2	87	5%	-4%
3	85	4%	-4%
4	92	2%	-2%
5	92	3%	4%
6	81	10%	8%
7	83	11%	1%
8	76	15%	-5%
9	84	8%	-7%
10	83	2%	-10%
11	92	1%	-5%
12	87	4%	-7%
13	90	3%	-7%
14	90	2%	-2%
15	90	4%	1%
16	88	7%	-6%

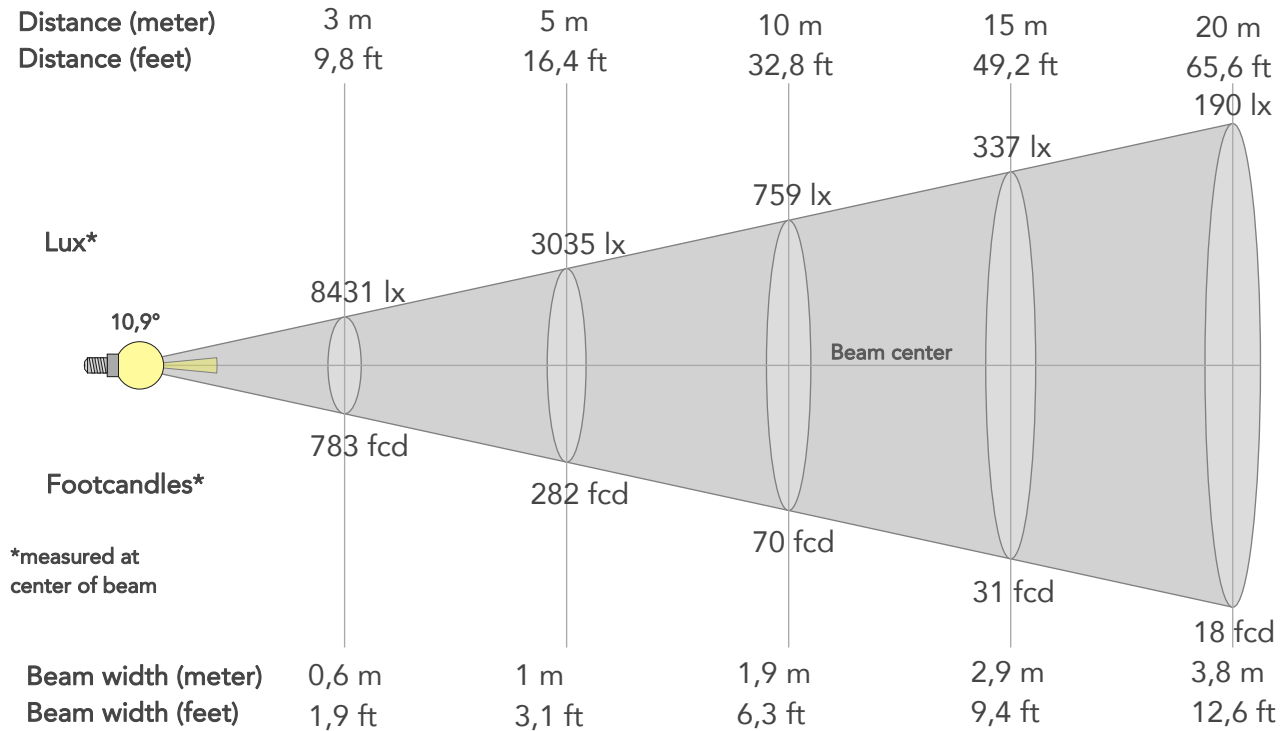




# BEAM DETAILS



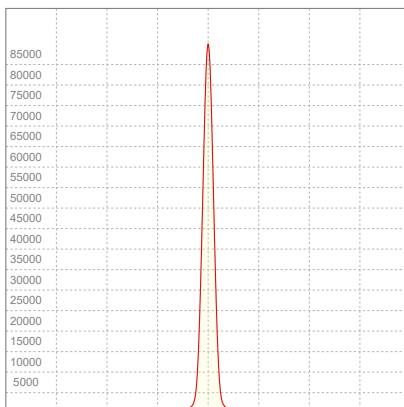
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,9°	19,7°	26,6°	95,0%	91,7%



## 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	75879lx	18970lx	8431lx	4742lx	3035lx	1349lx	759lx	337lx	190lx	121lx	84lx	47lx	30lx
Footcand.	7049fcd	1762fcd	783fcd	441fcd	282fcd	125fcd	70fcd	31fcd	18fcd	11fcd	8fcd	4fcd	3fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,4m	1,9m	2,9m	3,8m	4,8m	5,7m	7,7m	9,6m
Beam wid.	0,6ft	1,3ft	1,9ft	2,5ft	3,1ft	4,7ft	6,3ft	9,4ft	12,6ft	15,7ft	18,8ft	25,1ft	31,4ft

## LINEAR DISTRIBUTION DIAGRAM

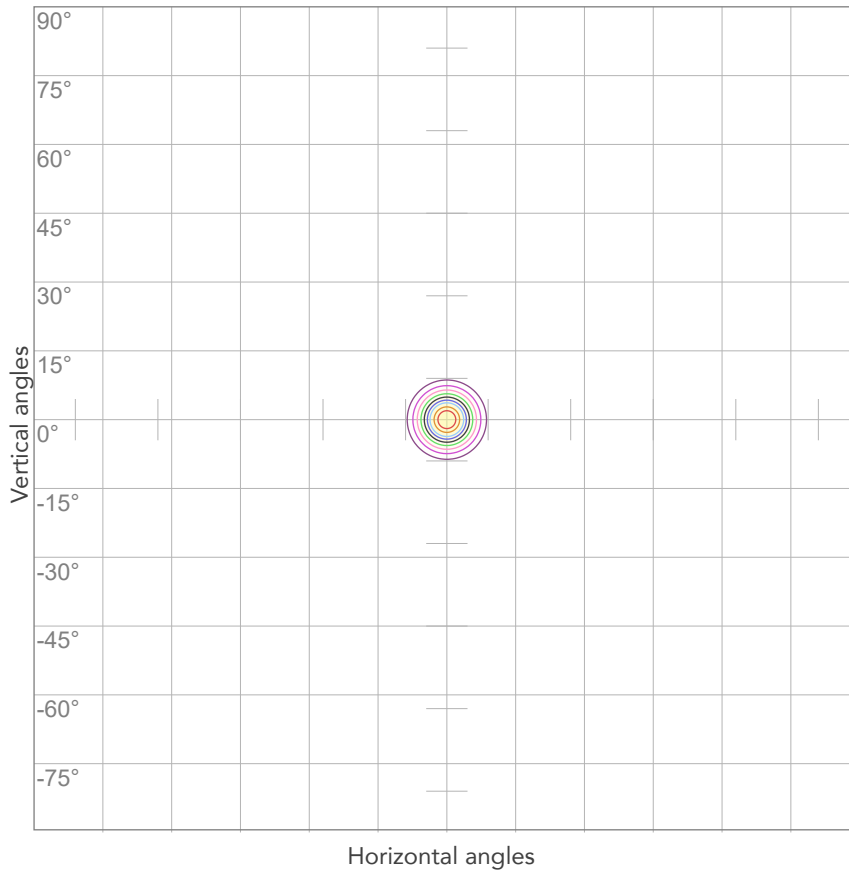


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,364A	75,6W	0,92	55lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



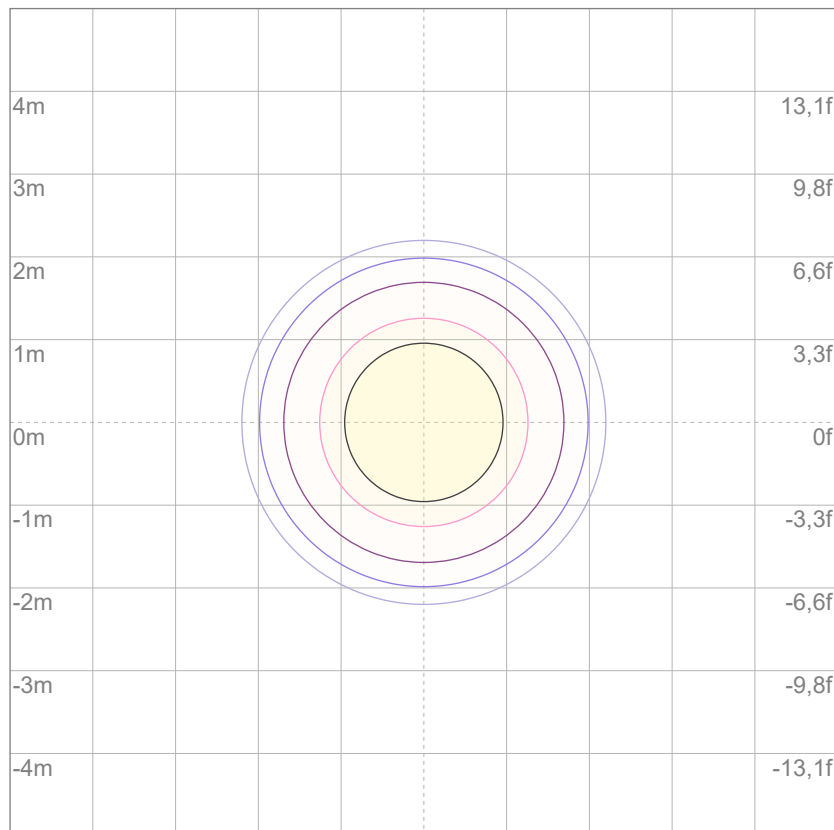
10%	7588 cd
20%	15176 cd
30%	22764 cd
40%	30351 cd
50%	37939 cd
60%	45527 cd
70%	53115 cd
80%	60703 cd

### Conditions:

Number of c-planes: 2

Candela at center: 75879 cd

## ISO LUX DIAGRAM



3%	22,8 lx
5%	37,9 lx
10%	75,9 lx
30%	228 lx
50%	379 lx

### Conditions:

Number of c-planes: 2

Lux at center: 759 lx

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



Total lumen output:

3356 lm

Peak candela output:

13468 cd

Light quality:

CRI: 84,7

Color temperature:

3233 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 20° Filter

Target:

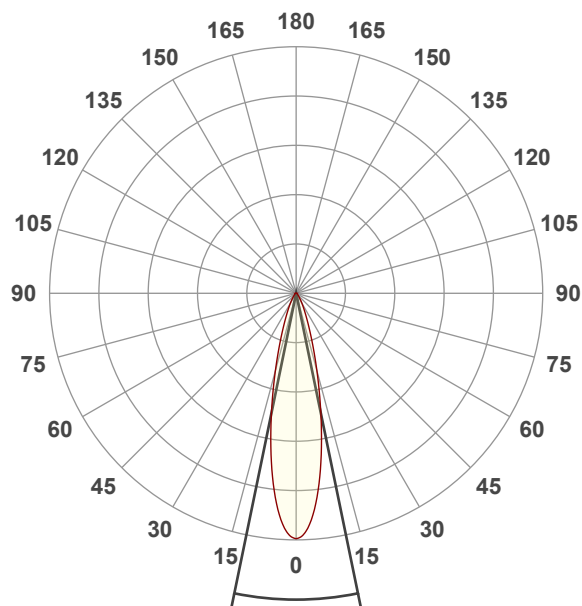
3200K

Operator:

Salvatore Giglio

Date and time:

23/02/2024 17:40:18

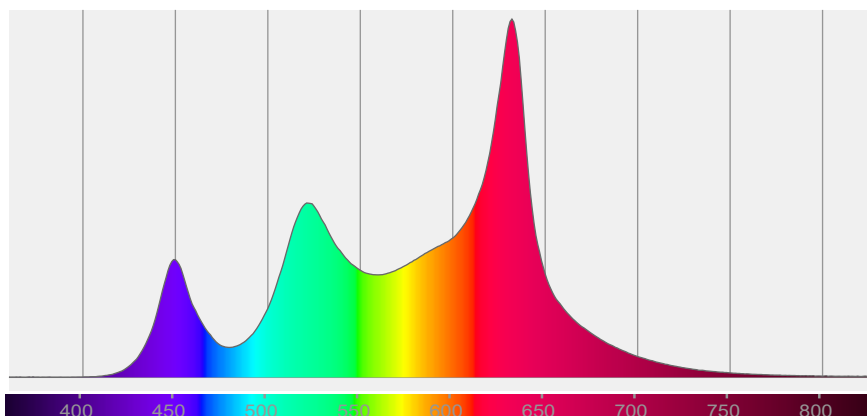


Beam angle 50%: 23,3°

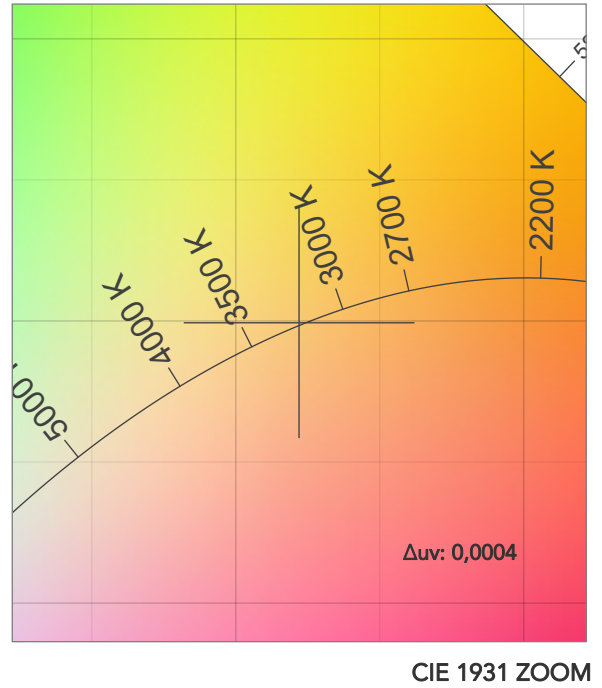
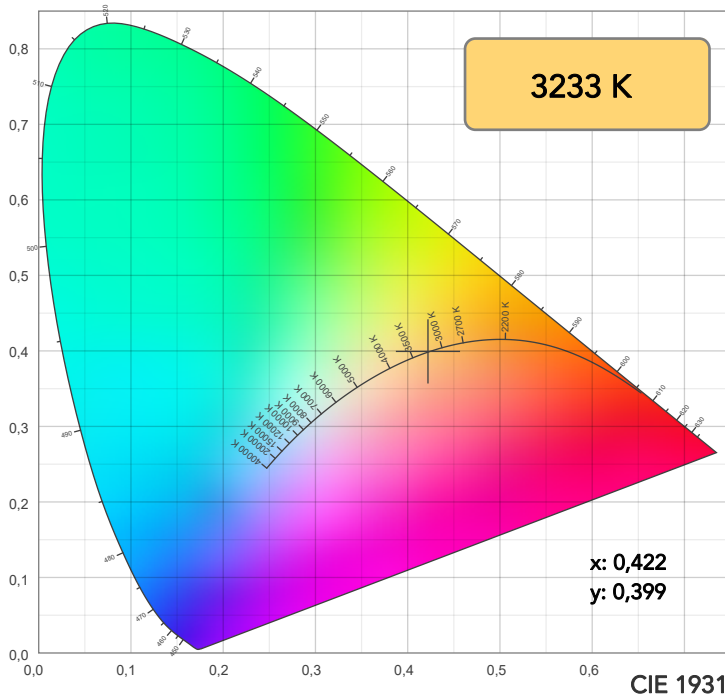
Field angle 10%: 47,3°

Cut off angle 2.5%: 71,9°

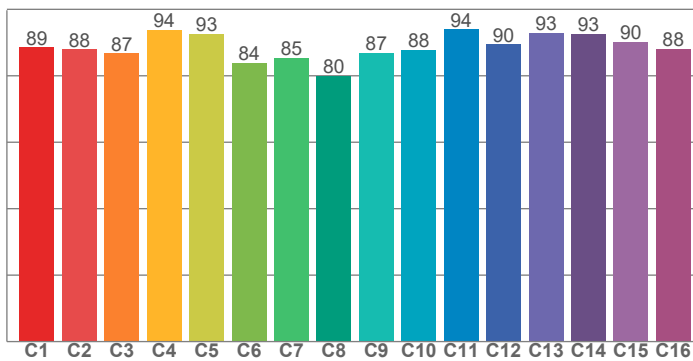
**Spectra**



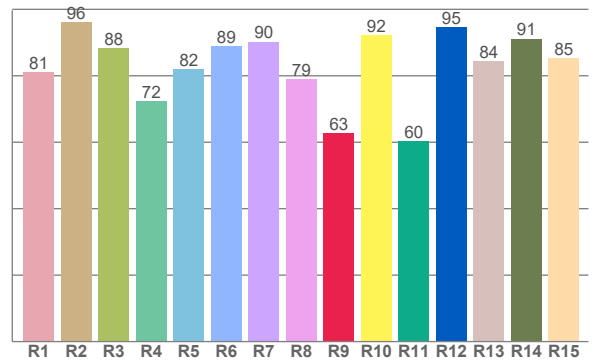
## COLOR DETAILS



TM30: 89,3



CRI: 84,7 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
81,0	96,1	88,3	72,4	81,9	88,8	90,3	79,1	62,7	92,2	60,3	94,7	84,3	91,1	85,2

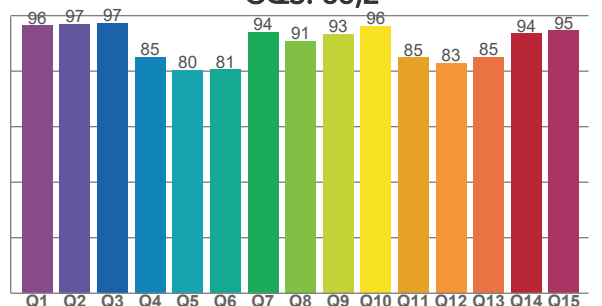
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,6	88,0	86,8	93,7	92,6	83,9	85,5	79,9	86,8	87,8	93,9	89,5	93,0	92,6	90,2	88,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,4	97,0	97,3	85,2	80,4	80,6	94,2	90,8	93,4	96,1	84,9	82,9	85,0	93,6	94,7

CQS: 88,2



## 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
3233 K	84,7	62,7	89,3	109,0	88,2	72	0,422	0,399	0,0004

## TM30 DETAILS

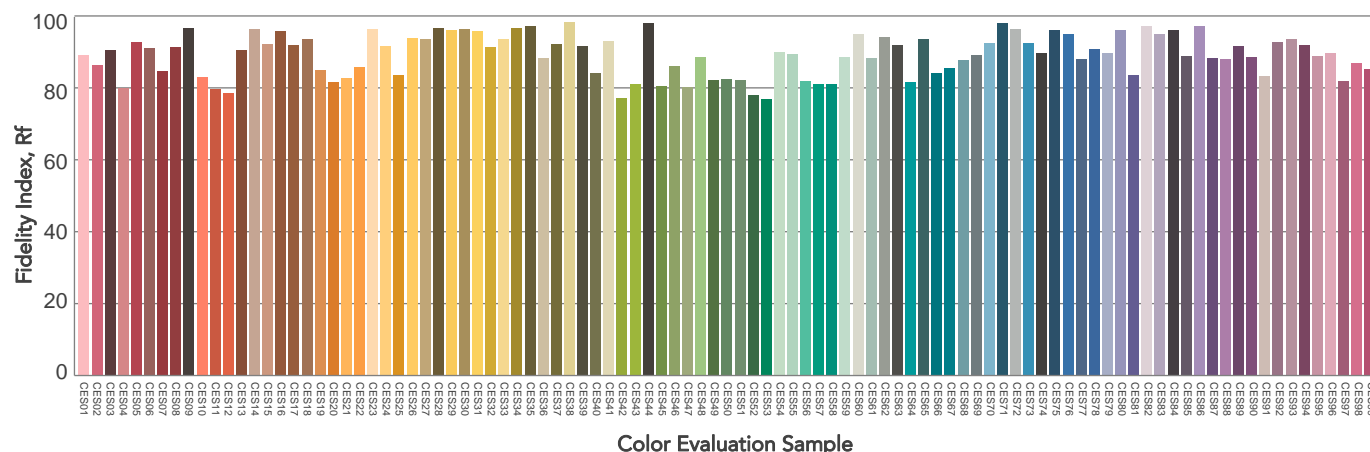
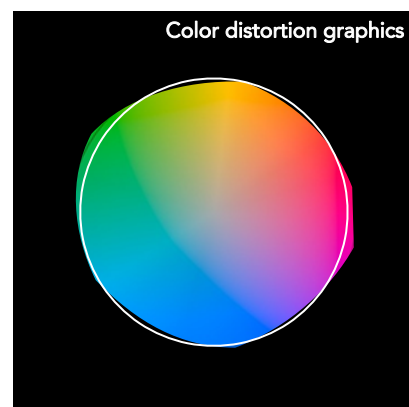
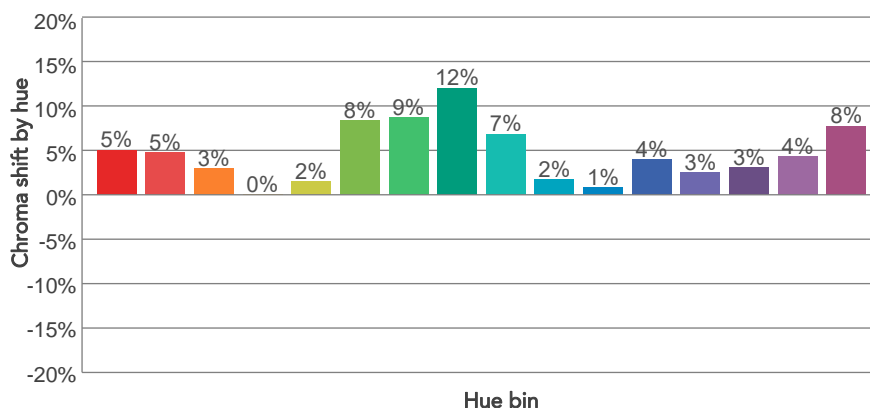
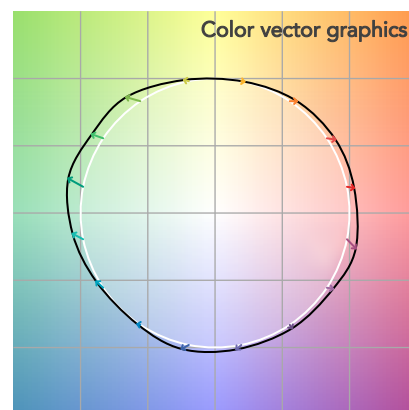
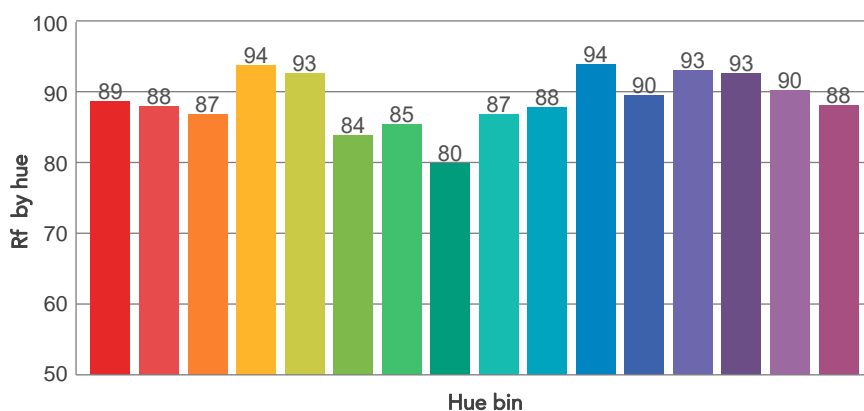
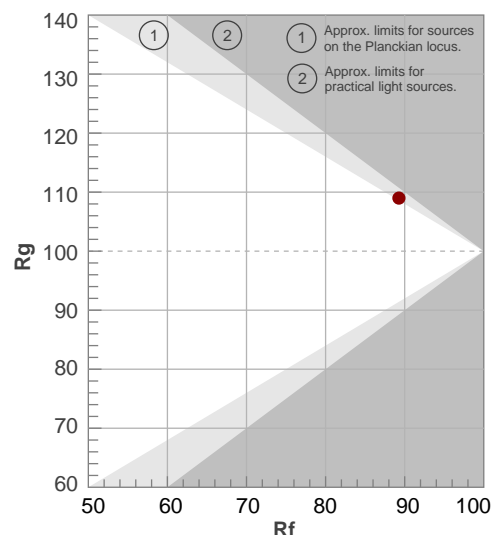
**Rf 89,3**

Fidelity index Rf

**Rg 109,0**

Gammut index

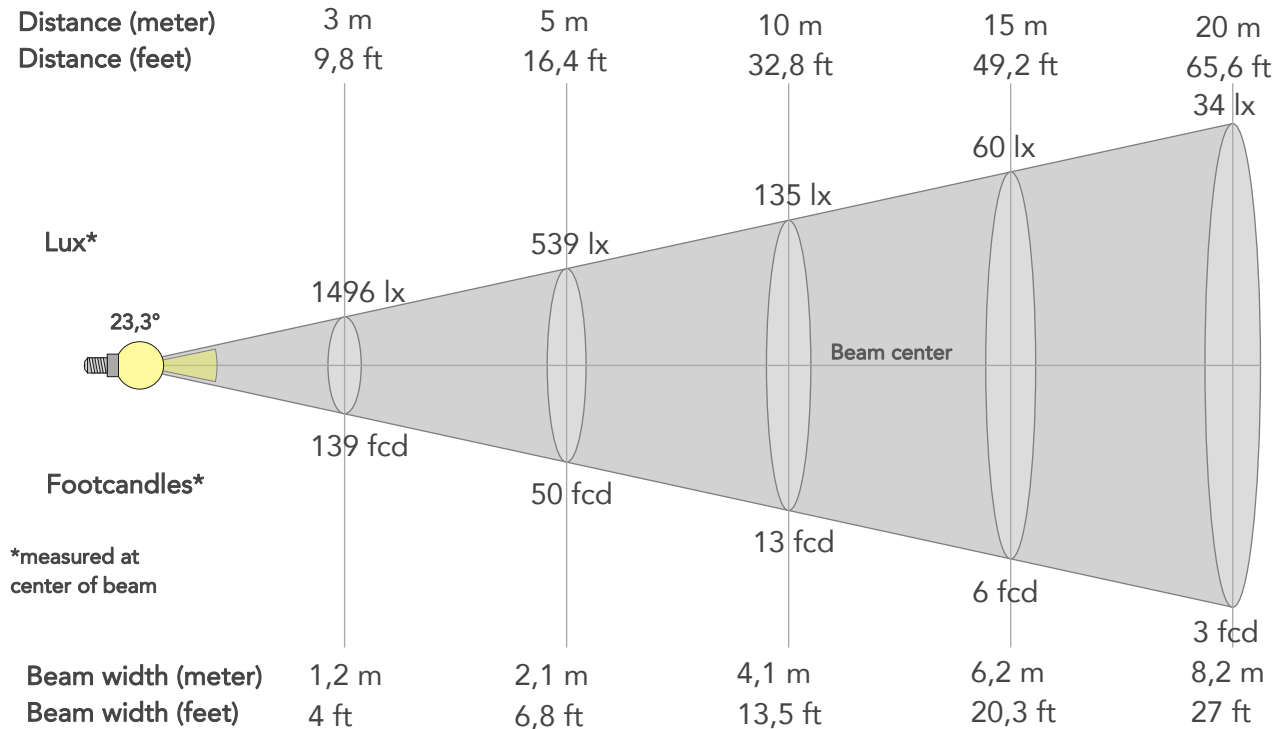
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	89	5%	-2%
2	88	5%	-4%
3	87	3%	-4%
4	94	0%	-2%
5	93	2%	3%
6	84	8%	7%
7	85	9%	2%
8	80	12%	-4%
9	87	7%	-6%
10	88	2%	-7%
11	94	1%	-2%
12	90	4%	-5%
13	93	3%	-4%
14	93	3%	0%
15	90	4%	2%
16	88	8%	-5%



# BEAM DETAILS



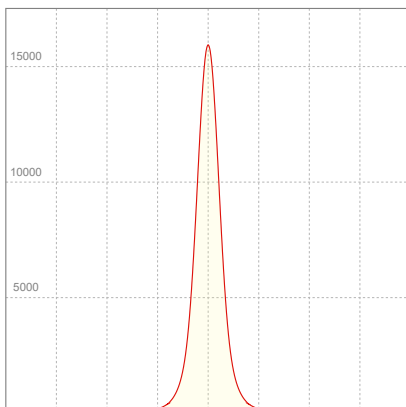
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,3°	47,3°	71,9°	96,4%	92,2%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	13468lx	3367lx	1496lx	842lx	539lx	239lx	135lx	60lx	34lx	22lx	15lx	8lx	5lx
Footcand.	1251fcd	313fcd	139fcd	78fcd	50fcd	22fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2,1m	3,1m	4,1m	6,2m	8,2m	10,3m	12,4m	16,5m	20,6m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,8ft	10,1ft	13,5ft	20,3ft	27ft	33,8ft	40,5ft	54,1ft	67,6ft

## LINEAR DISTRIBUTION DIAGRAM

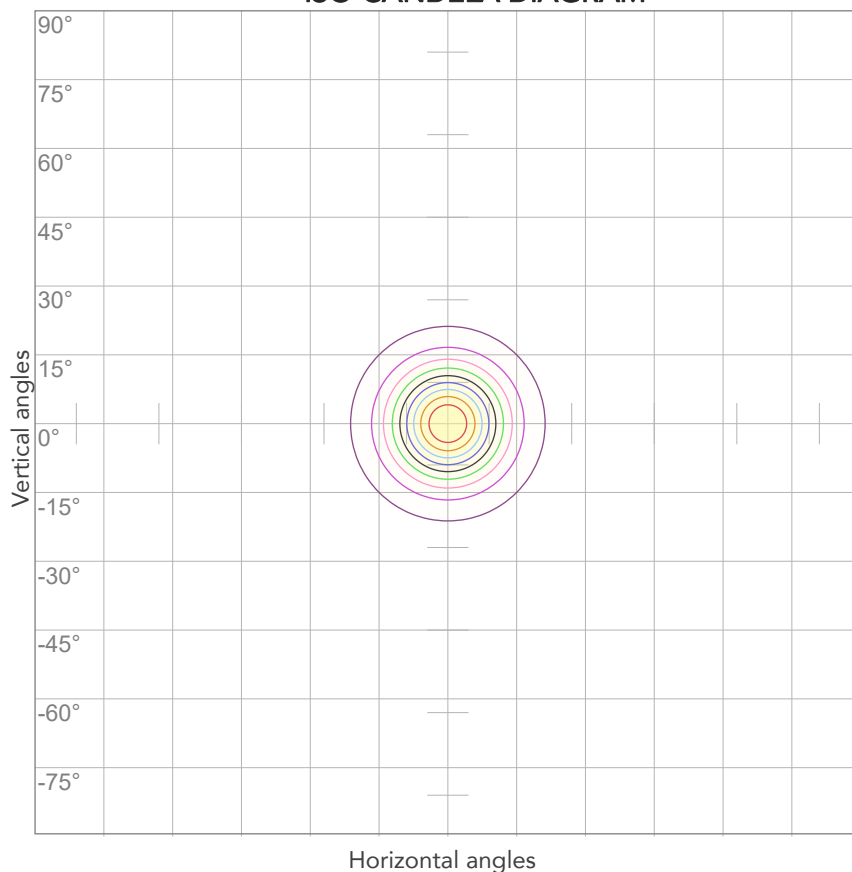


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,350A	72,2W	0,92	47lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



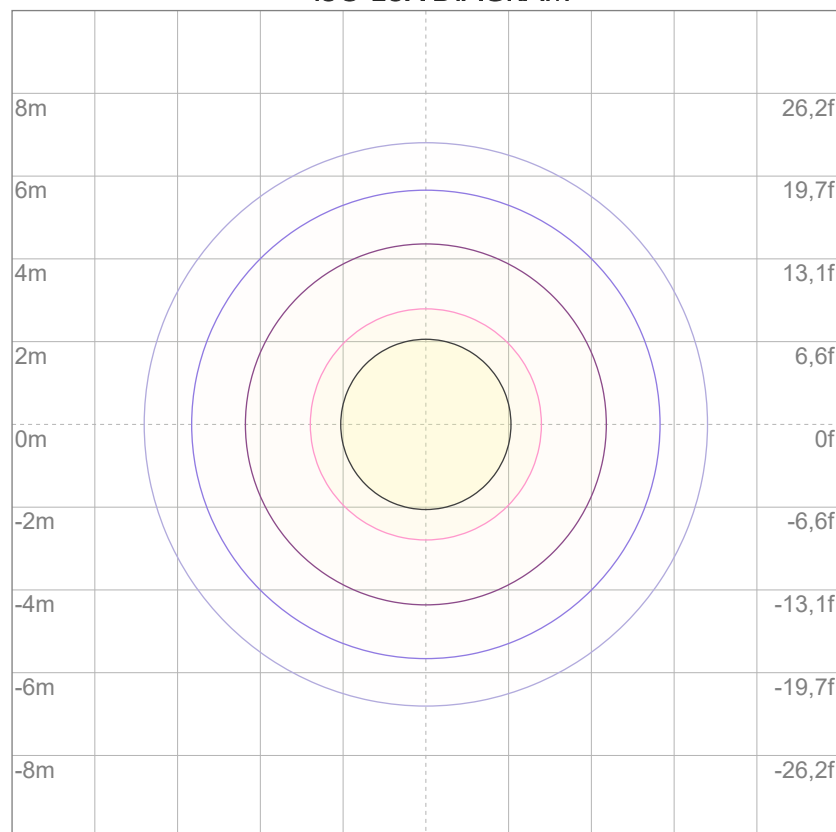
10%	1347 cd
20%	2694 cd
30%	4040 cd
40%	5387 cd
50%	6734 cd
60%	8081 cd
70%	9428 cd
80%	10775 cd

### Conditions:

Number of c-planes: 2

Candela at center: 13468 cd

## ISO LUX DIAGRAM



3%	4,04 lx
5%	6,73 lx
10%	13,5 lx
30%	40,4 lx
50%	67,3 lx

### Conditions:

Number of c-planes: 2

Lux at center: 135 lx

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



Total lumen output:

3506 lm

Peak candela output:

4730 cd

Light quality:

CRI: 83,2

Color temperature:

3117 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 40° Filter

Target:

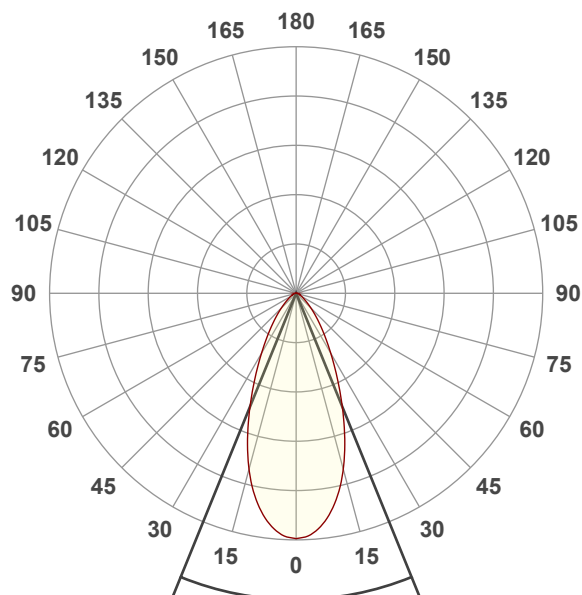
3200K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 10:45:50

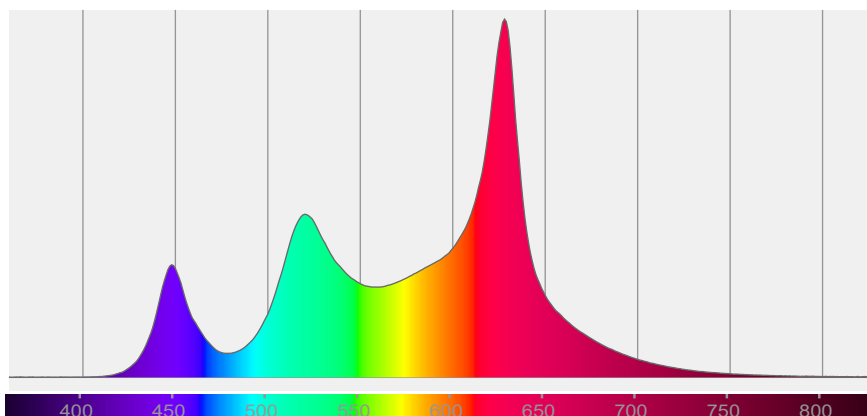


Beam angle 50%: 44,3°

Field angle 10%: 86,4°

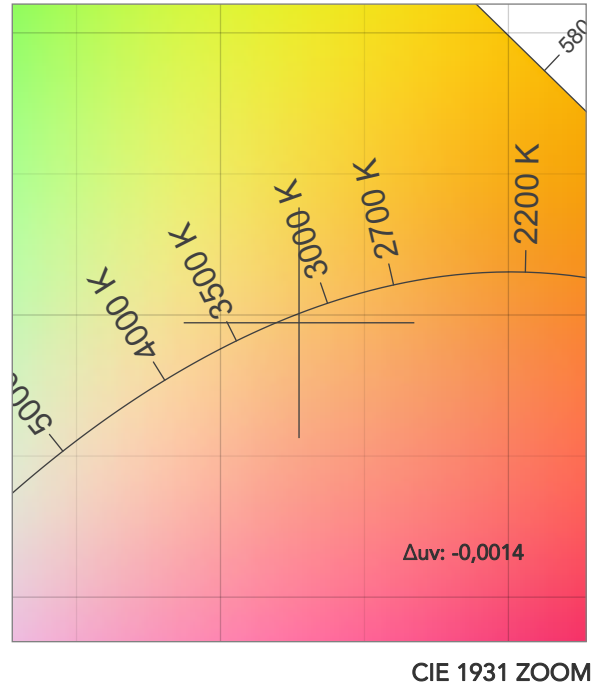
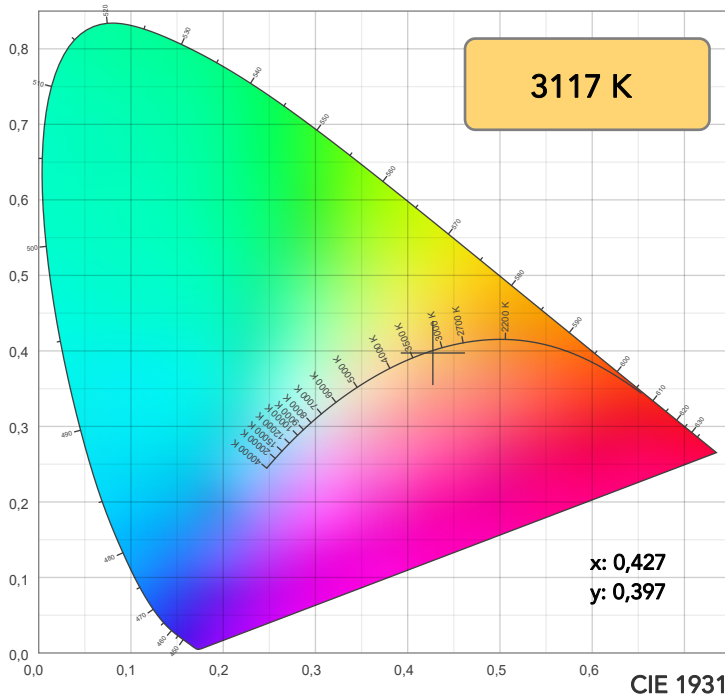
Cut off angle 2.5%: 122,2°

**Spectra**

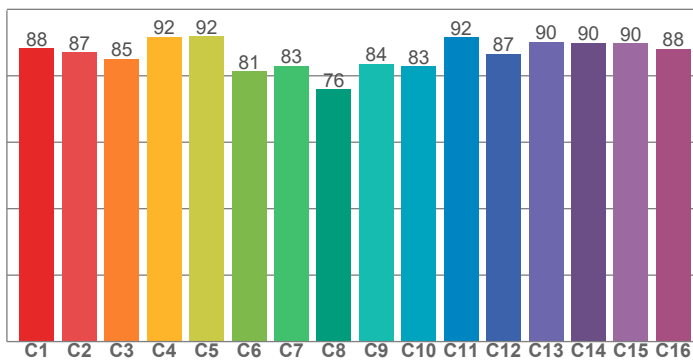




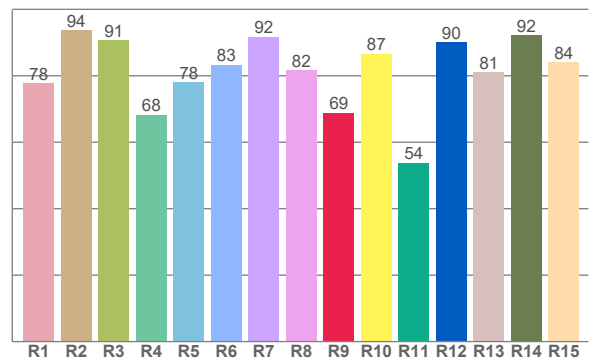
## COLOR DETAILS



TM30: 87,3



CRI: 83,2 (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
77,7	93,8	90,6	68,2	78,0	83,4	91,8	81,7	68,9	86,7	53,8	90,0	81,1	92,1	84,0

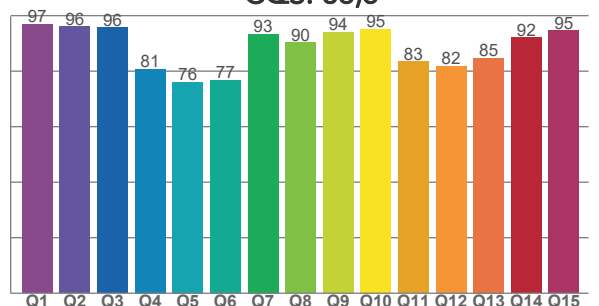
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,3	87,0	85,1	91,8	91,8	81,4	83,0	75,9	83,5	82,9	91,5	86,5	90,1	89,9	89,8	88,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,9	96,0	95,7	80,7	76,0	76,7	93,4	90,3	94,1	95,2	83,5	81,9	84,8	92,1	94,6

CQS: 86,5



## COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
3117 K	83,2	68,9	87,3	110,3	86,5	62	0,427	0,397	-0,0014

## TM30 DETAILS

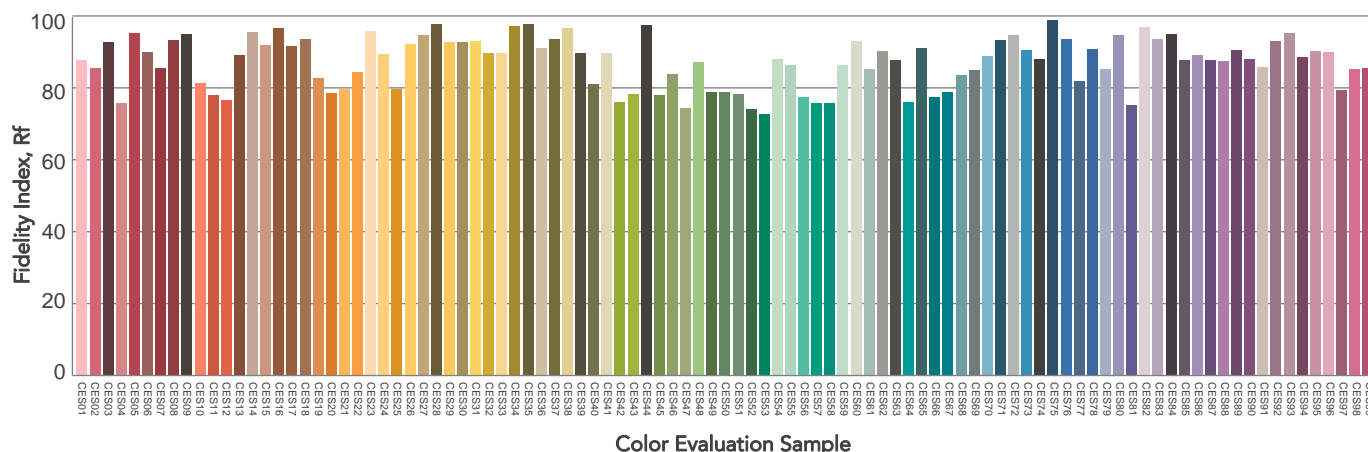
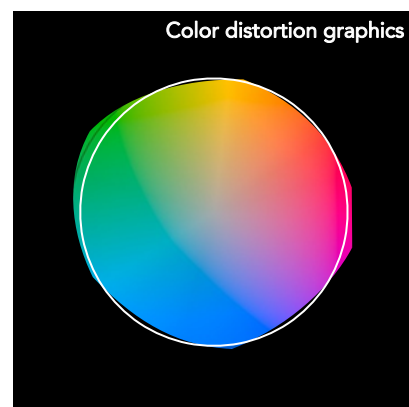
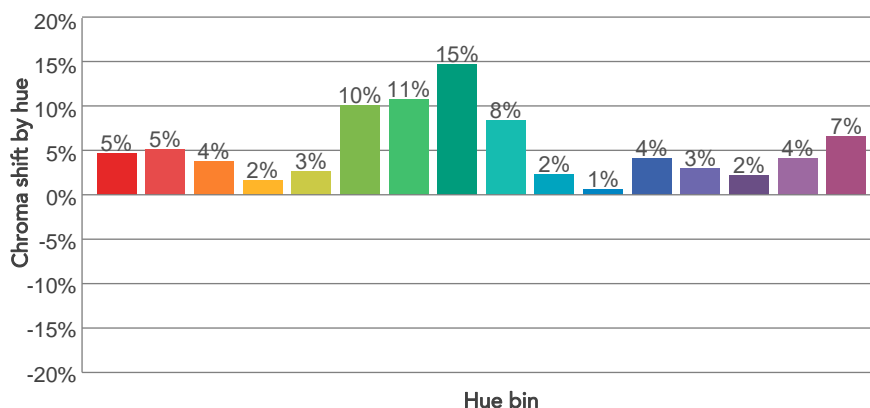
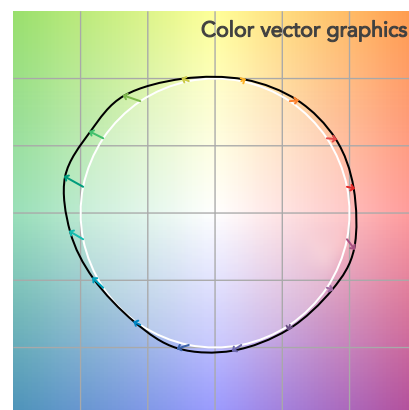
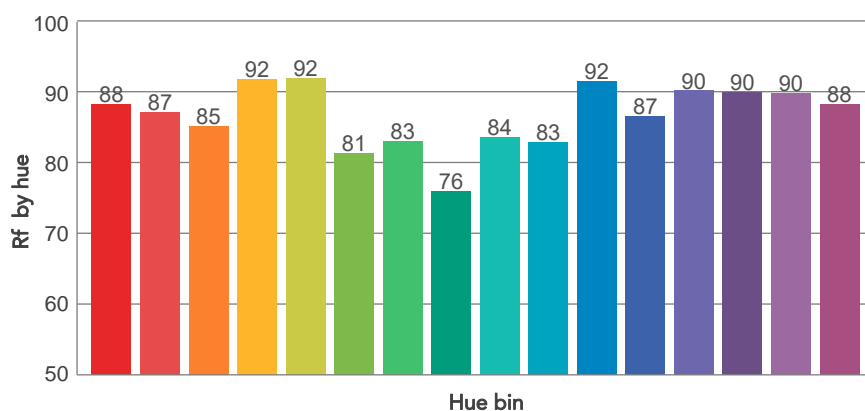
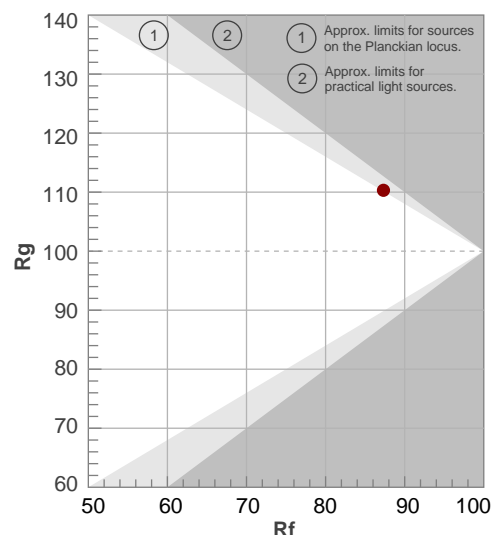
**Rf 87,3**

Fidelity index Rf

**Rg 110,3**

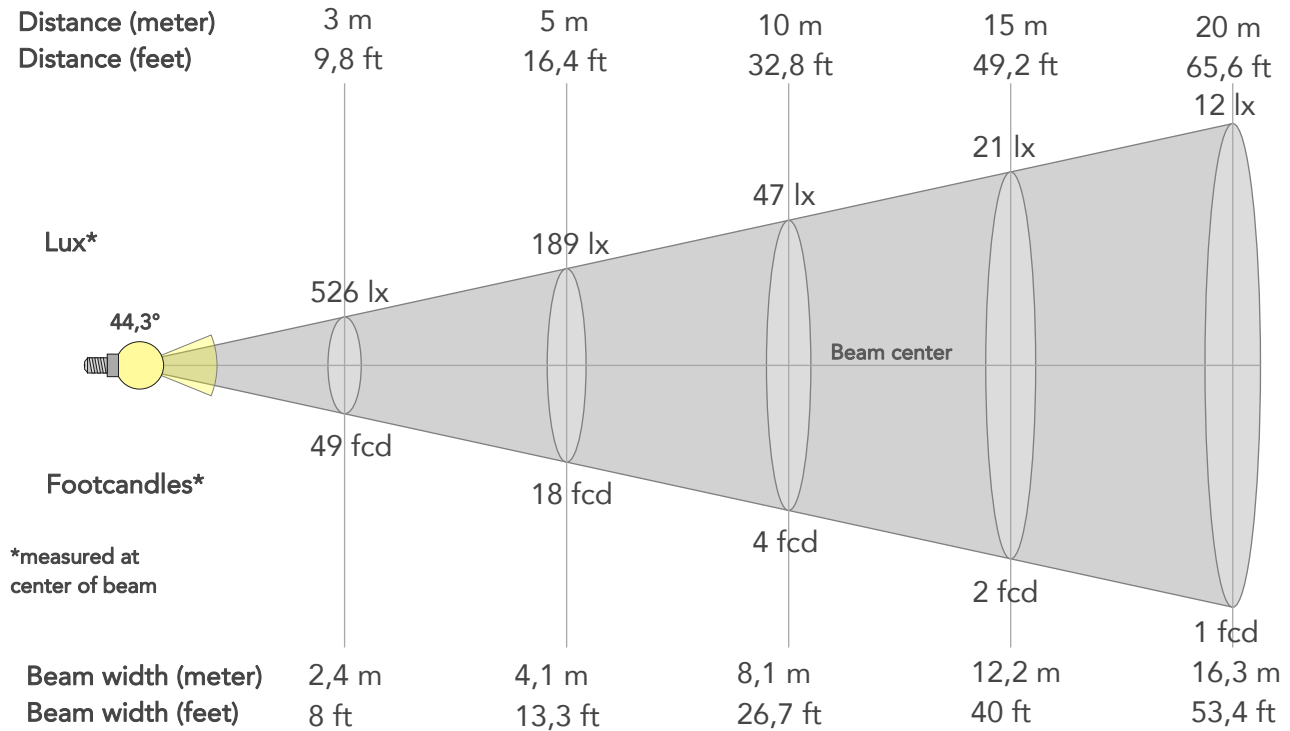
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	88	5%	-2%
2	87	5%	-4%
3	85	4%	-4%
4	92	2%	-2%
5	92	3%	4%
6	81	10%	8%
7	83	11%	1%
8	76	15%	-5%
9	84	8%	-7%
10	83	2%	-10%
11	92	1%	-5%
12	87	4%	-7%
13	90	3%	-7%
14	90	2%	-3%
15	90	4%	1%
16	88	7%	-6%



# BEAM DETAILS

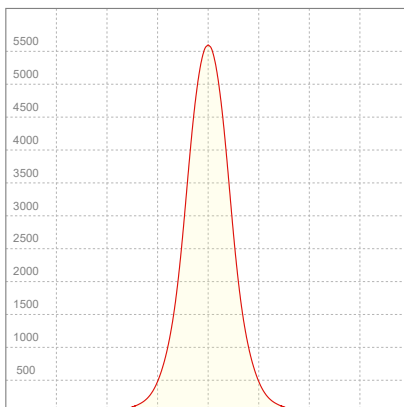
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,3°	86,4°	122,2°	95,3%	86,8%



## 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	4730lx	1183lx	526lx	296lx	189lx	84lx	47lx	21lx	12lx	8lx	5lx	3lx	2lx
Footcand.	439fcd	110fcd	49fcd	27fcd	18fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,3m	4,1m	6,1m	8,1m	12,2m	16,3m	20,3m	24,4m	32,5m	40,7m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,3ft	20ft	26,7ft	40ft	53,4ft	66,7ft	80,1ft	106,8ft	133,5ft

## LINEAR DISTRIBUTION DIAGRAM

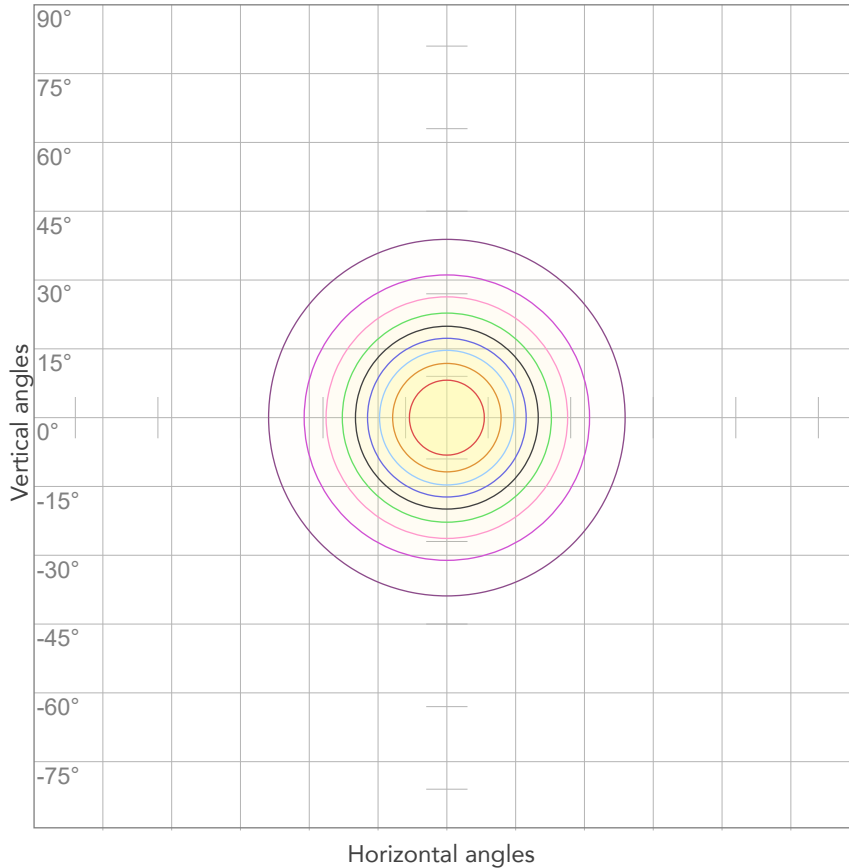


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,364A	75,6W	0,92	46lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



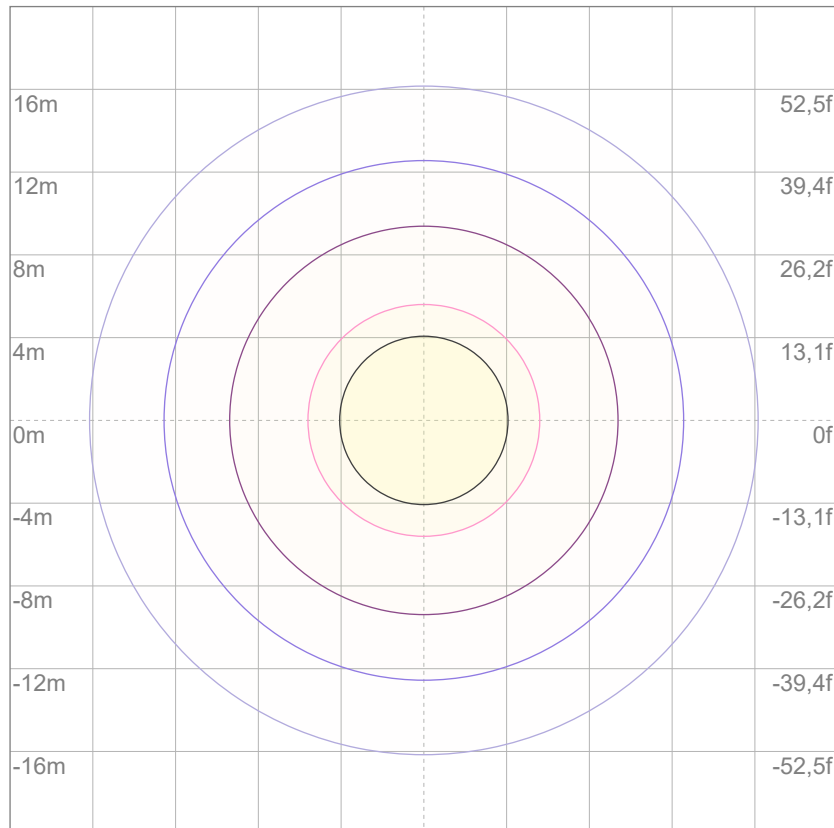
10%	473 cd
20%	946 cd
30%	1419 cd
40%	1892 cd
50%	2365 cd
60%	2838 cd
70%	3311 cd
80%	3784 cd

### Conditions:

Number of c-planes: 2

Candela at center: 4730 cd

## ISO LUX DIAGRAM



3%	1,42 lx
5%	2,37 lx
10%	4,73 lx
30%	14,2 lx
50%	23,7 lx

### Conditions:

Number of c-planes: 2

Lux at center: 47,3 lx

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



Total lumen output:

3232 lm

Peak candela output:

2936 cd

Light quality:

CRI: 84,2

Color temperature:

3210 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 60° Filter

Target:

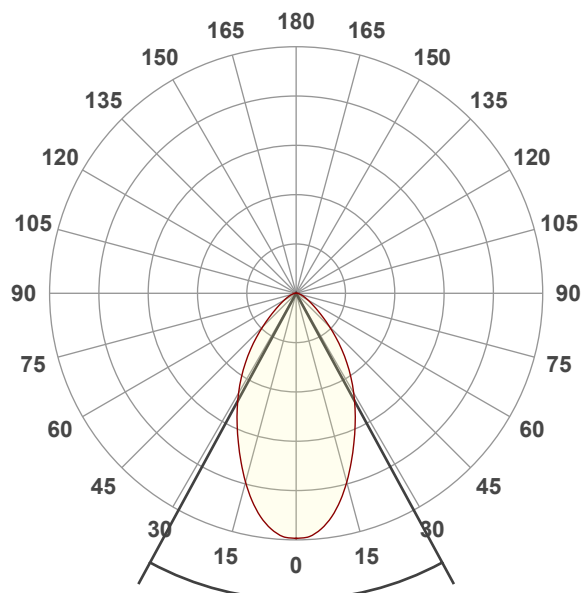
3200K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 11:20:53

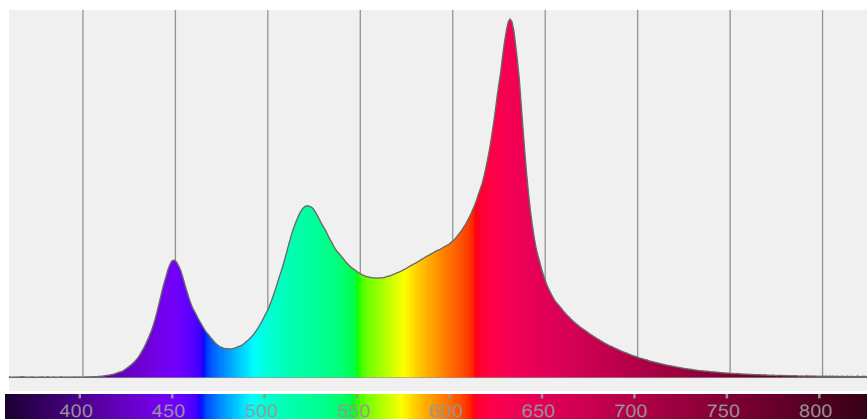


Beam angle 50%: 57°

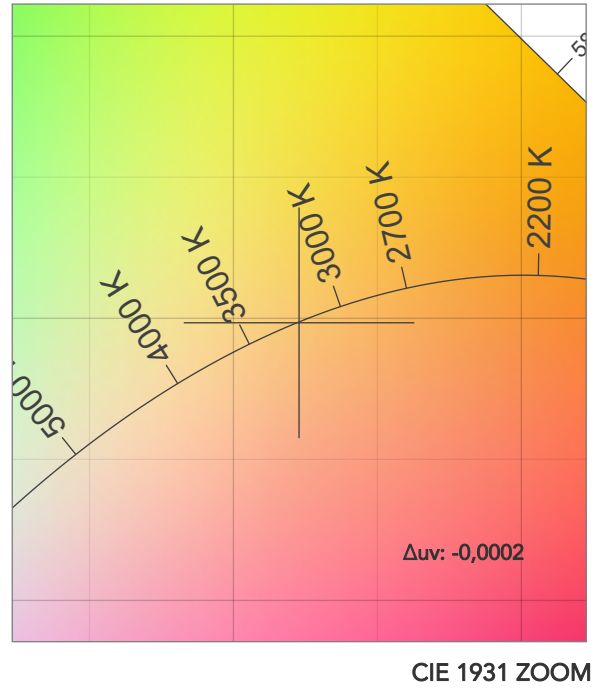
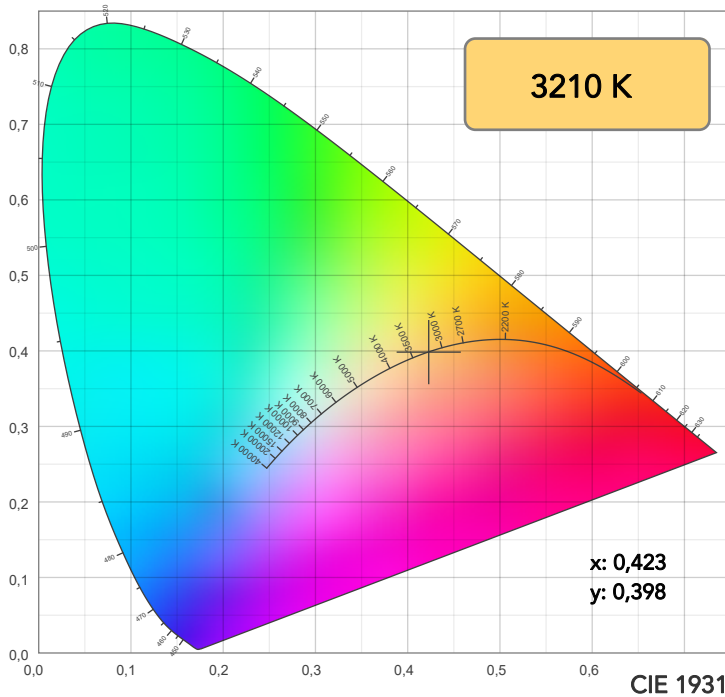
Field angle 10%: 105,7°

Cut off angle 2.5%: 142,3°

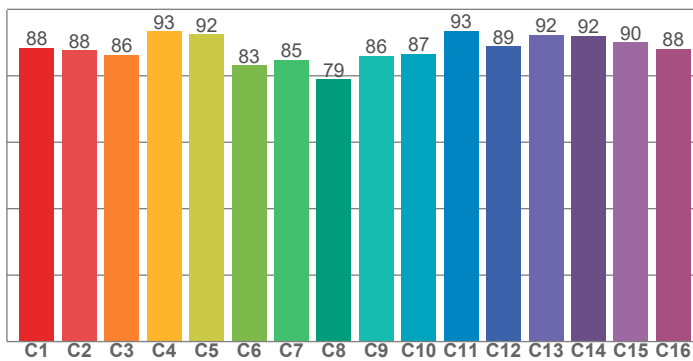
**Spectra**



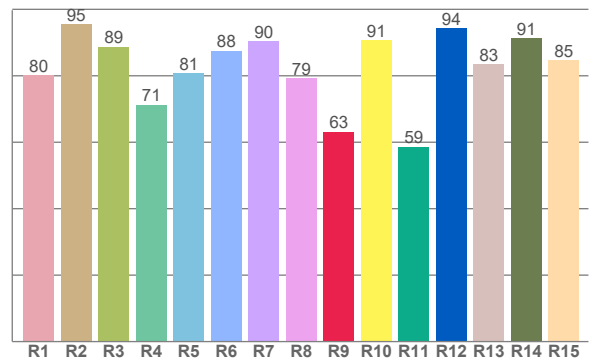
# COLOR DETAILS



**TM30: 88,8**



**CRI: 84,2 (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
80,1	95,5	88,8	71,2	80,8	87,5	90,5	79,2	63,2	90,8	58,6	94,2	83,4	91,3	84,6

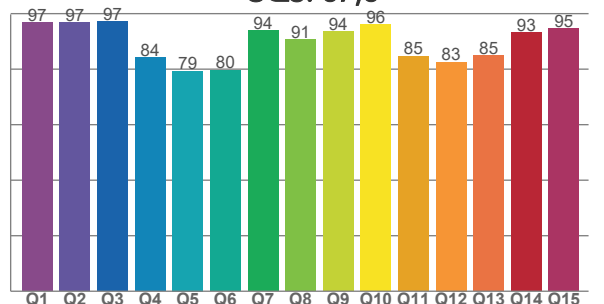
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,4	87,7	86,3	93,3	92,5	83,2	84,8	78,9	86,0	86,6	93,4	88,9	92,4	92,0	90,1	88,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,8	96,8	97,1	84,1	79,3	79,6	94,0	90,7	93,5	96,1	84,6	82,7	84,9	93,2	94,6

**CQS: 87,8**



## COLOR PARAMETERS

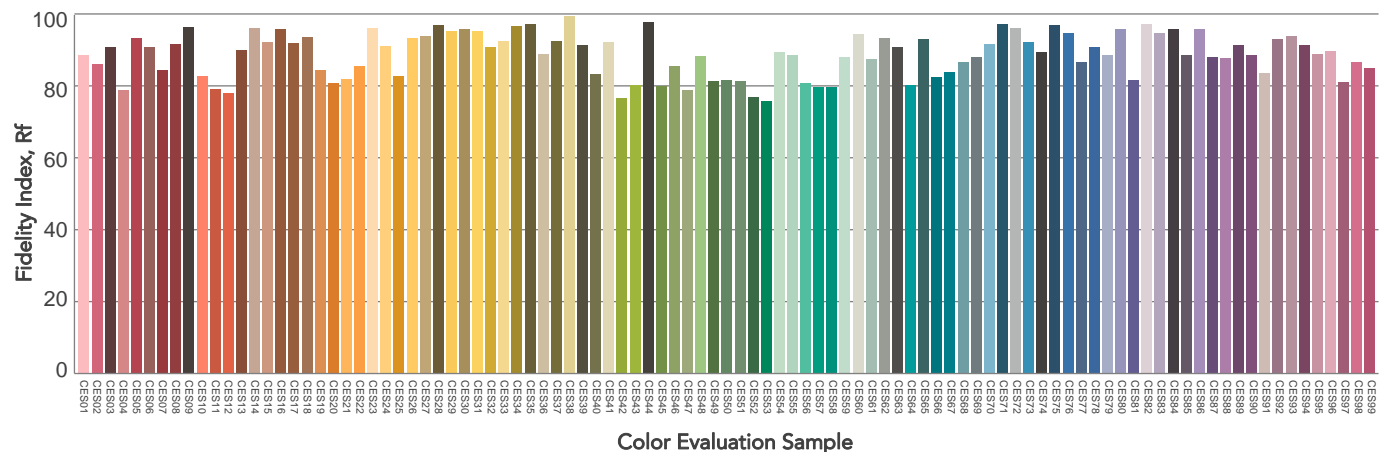
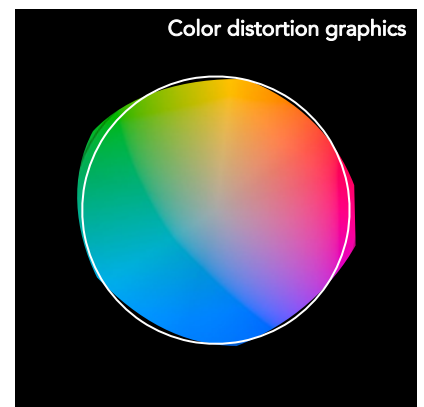
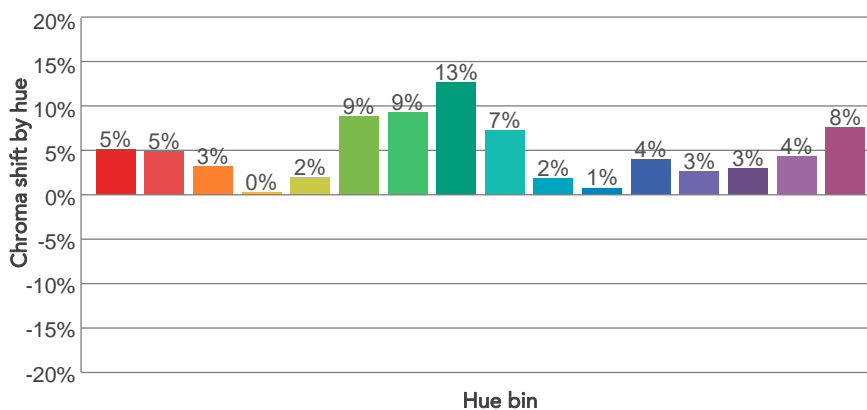
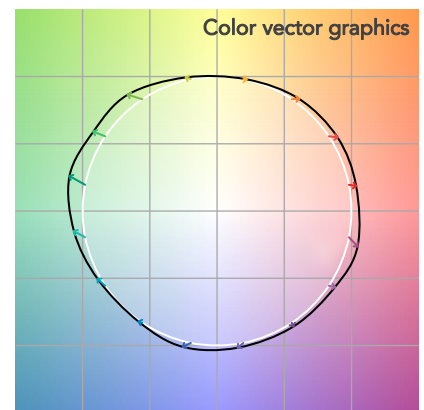
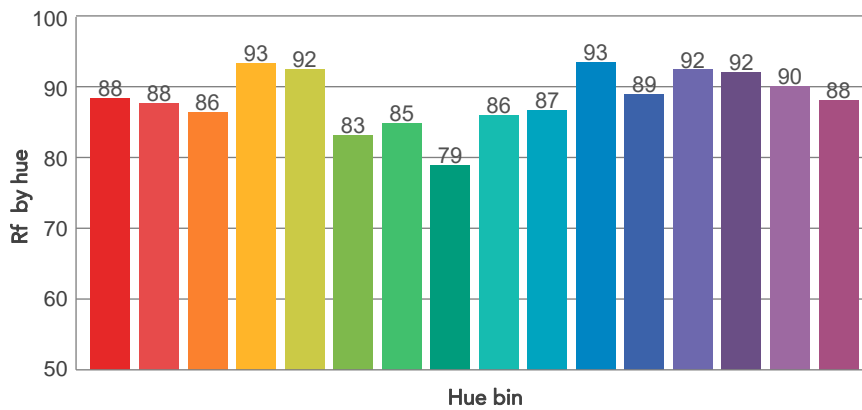
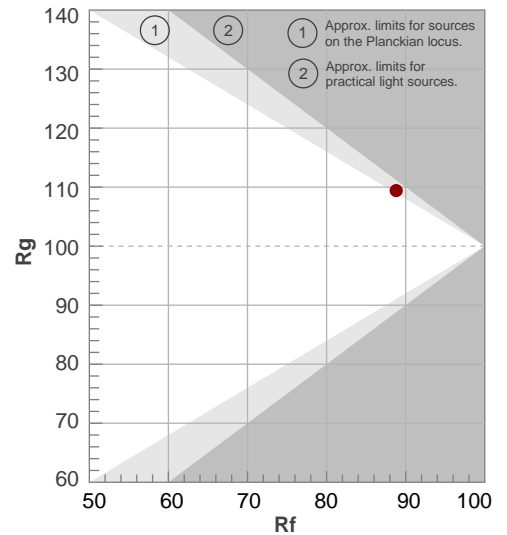
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3210 K	84,2	63,2	88,8	109,4	87,8	70	0,423	0,398	-0,0002

# TM30 DETAILS

**Rf 88,8**  
Fidelity index Rf

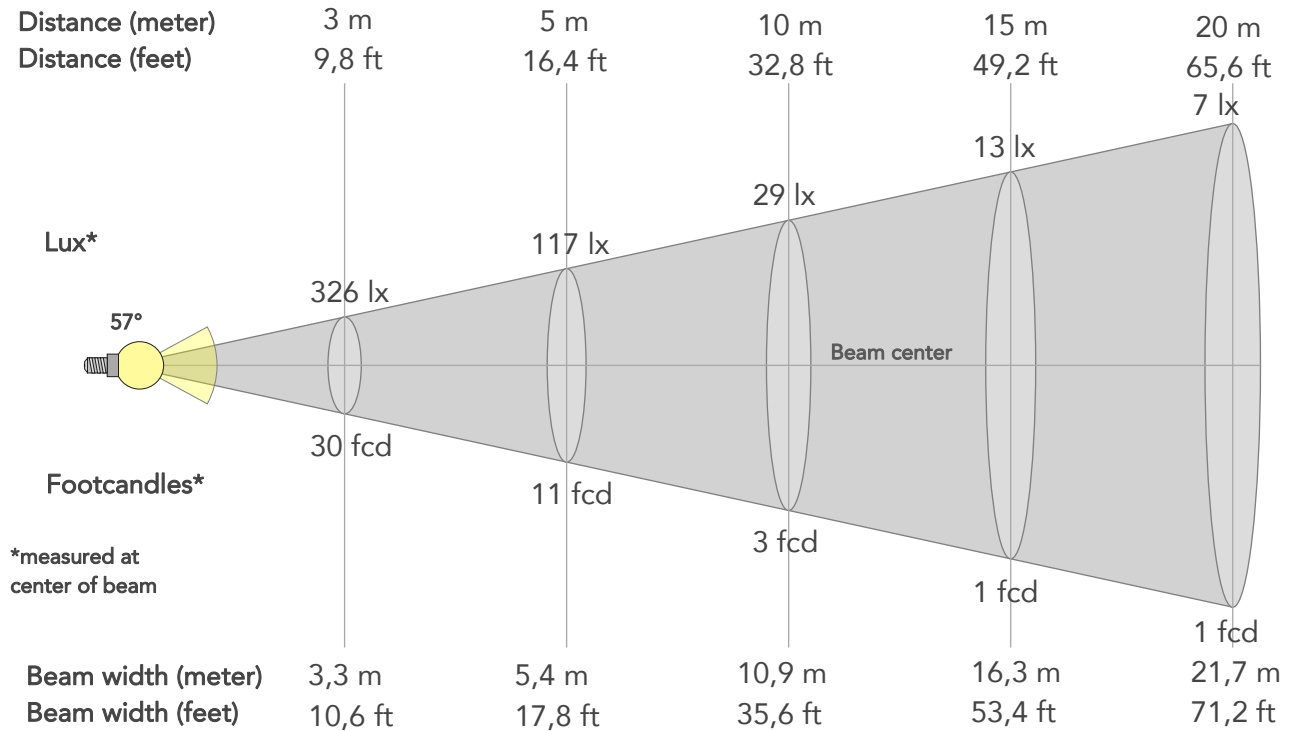
**Rg 109,4**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	88	5%	-2%
2	88	5%	-4%
3	86	3%	-4%
4	93	0%	-2%
5	92	2%	3%
6	83	9%	7%
7	85	9%	2%
8	79	13%	-4%
9	86	7%	-6%
10	87	2%	-8%
11	93	1%	-3%
12	89	4%	-5%
13	92	3%	-5%
14	92	3%	0%
15	90	4%	2%
16	88	8%	-5%



# BEAM DETAILS

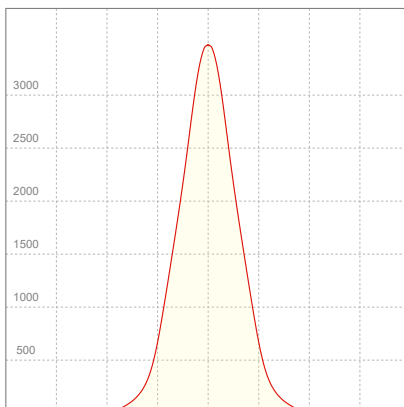
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57°	105,7°	142,3°	93,9%	81,1%



## 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	2936lx	734lx	326lx	184lx	117lx	52lx	29lx	13lx	7lx	5lx	3lx	2lx	1lx
Footcand.	273fcd	68fcd	30fcd	17fcd	11fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,3m	5,4m	8,1m	10,9m	16,3m	21,7m	27,1m	32,6m	43,4m	54,3m
Beam wid.	3,6ft	7,2ft	10,6ft	14,2ft	17,8ft	26,7ft	35,6ft	53,4ft	71,2ft	89ft	106,8ft	142,4ft	178ft

## LINEAR DISTRIBUTION DIAGRAM



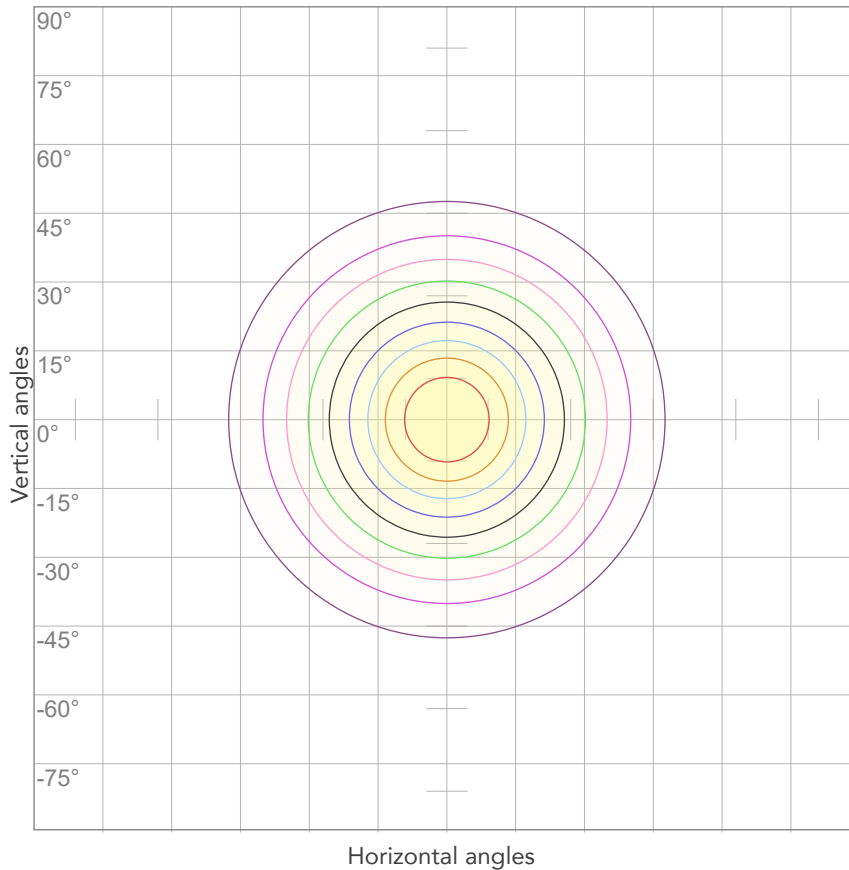
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,353A	72,9W	0,91	44lm/W



# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



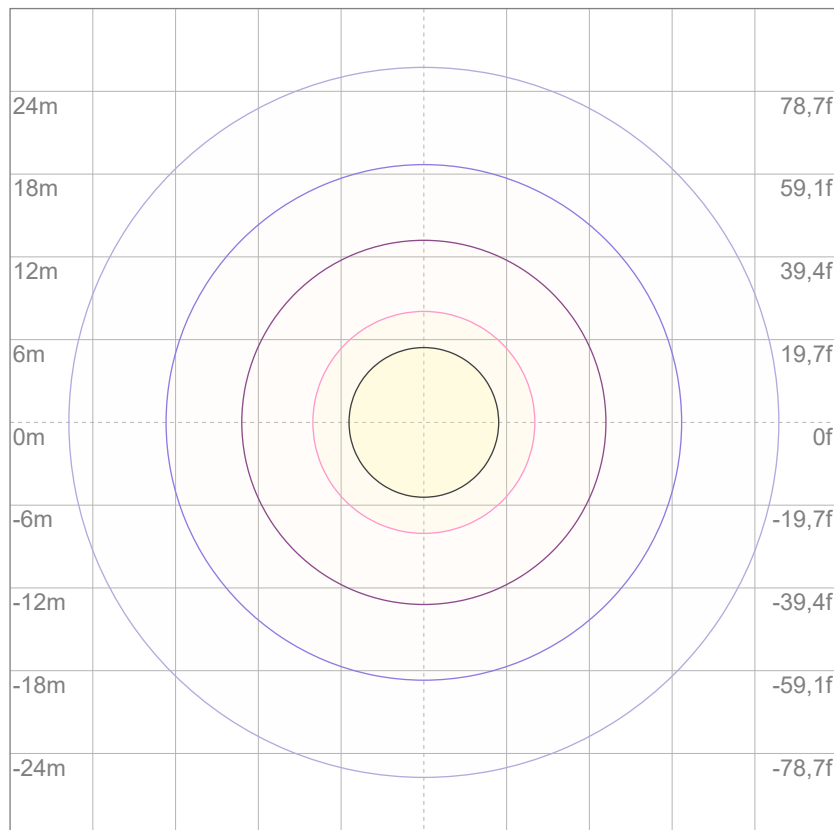
10%	294 cd
20%	587 cd
30%	881 cd
40%	1174 cd
50%	1468 cd
60%	1762 cd
70%	2055 cd
80%	2349 cd

### Conditions:

Number of c-planes: 2

Candela at center: 2936 cd

## ISO LUX DIAGRAM



3%	0,881 lx
5%	1,47 lx
10%	2,94 lx
30%	8,81 lx
50%	14,7 lx

### Conditions:

Number of c-planes: 2

Lux at center: 29,4 lx

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



Total lumen output:

4844 lm

Peak candela output:

10156 cd

Light quality:

CRI: 84,5

Color temperature:

3218 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 10°x 60° Filter

Target:

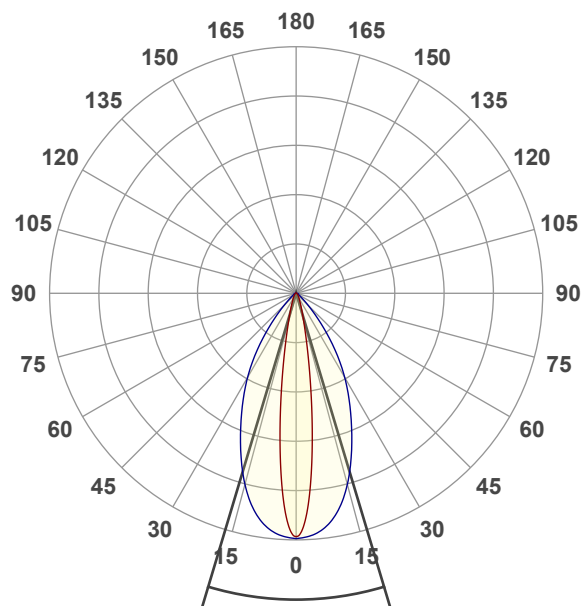
3200K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 11:34:01

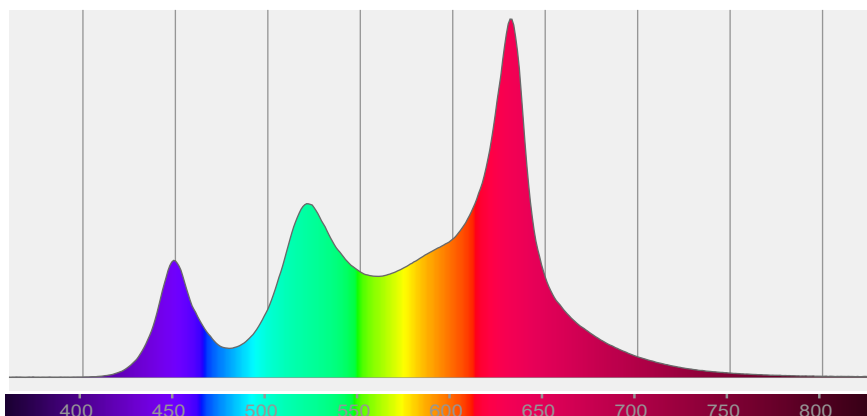


Beam angle 50%: 33,4°

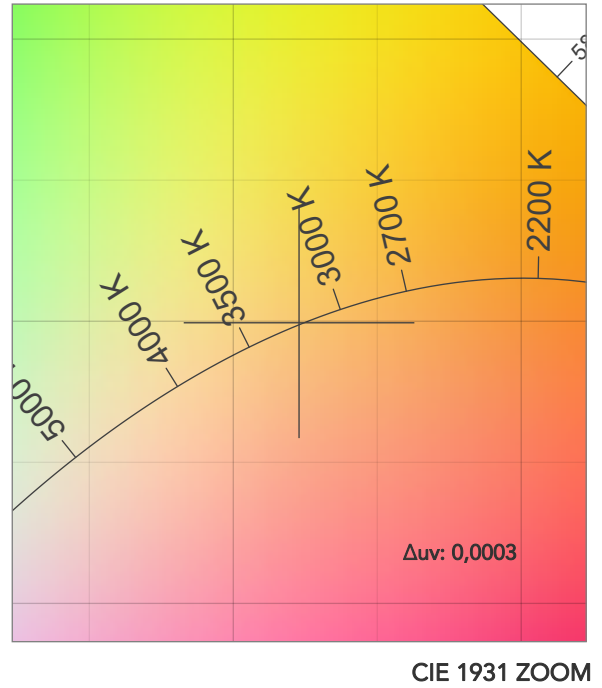
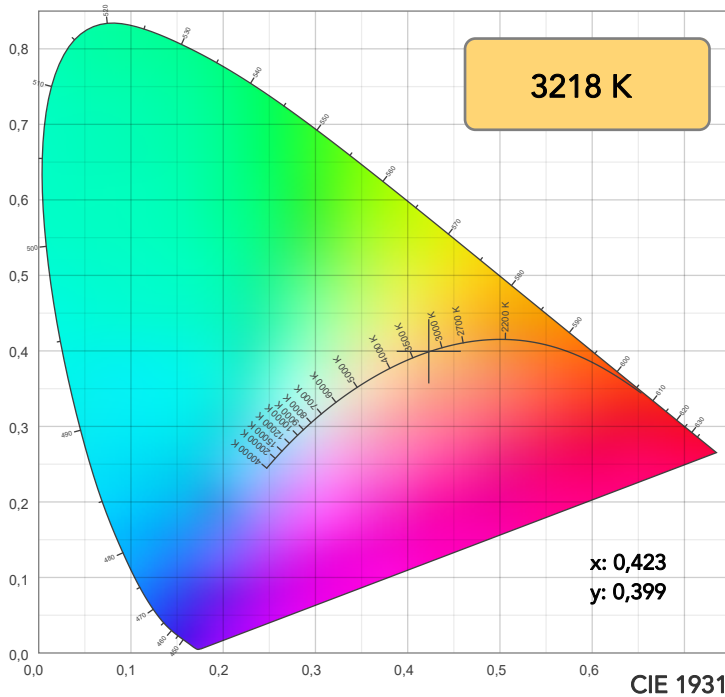
Field angle 10%: 58,8°

Cut off angle 2.5%: 81,8°

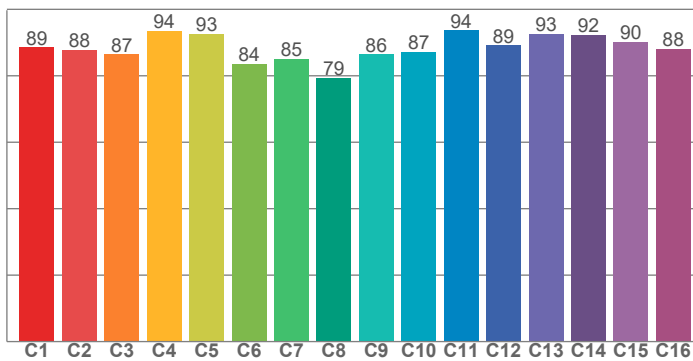
**Spectra**



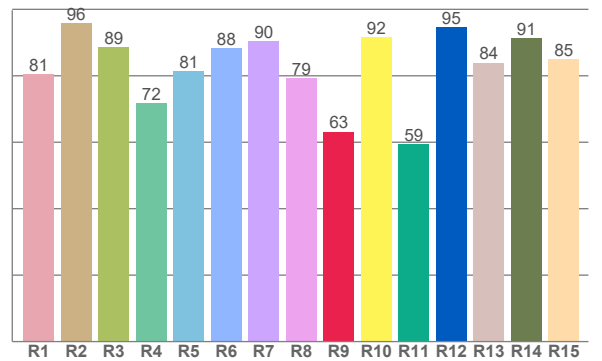
## COLOR DETAILS



**TM30: 89,0**



**CRI: 84,5 (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
80,6	95,8	88,5	71,8	81,4	88,2	90,3	79,2	63,2	91,6	59,4	94,6	83,9	91,2	85,0

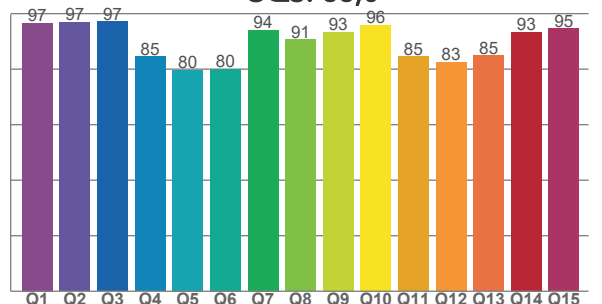
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,5	87,8	86,5	93,5	92,6	83,5	85,2	79,4	86,4	87,2	93,7	89,2	92,7	92,3	90,2	88,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,6	96,9	97,2	84,5	79,8	80,1	94,1	90,6	93,4	95,9	84,6	82,6	84,9	93,4	94,6

**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	Δuv
3218 K	84,5	63,2	89,0	109,1	88,0	71	0,423	0,399	0,0003

## TM30 DETAILS

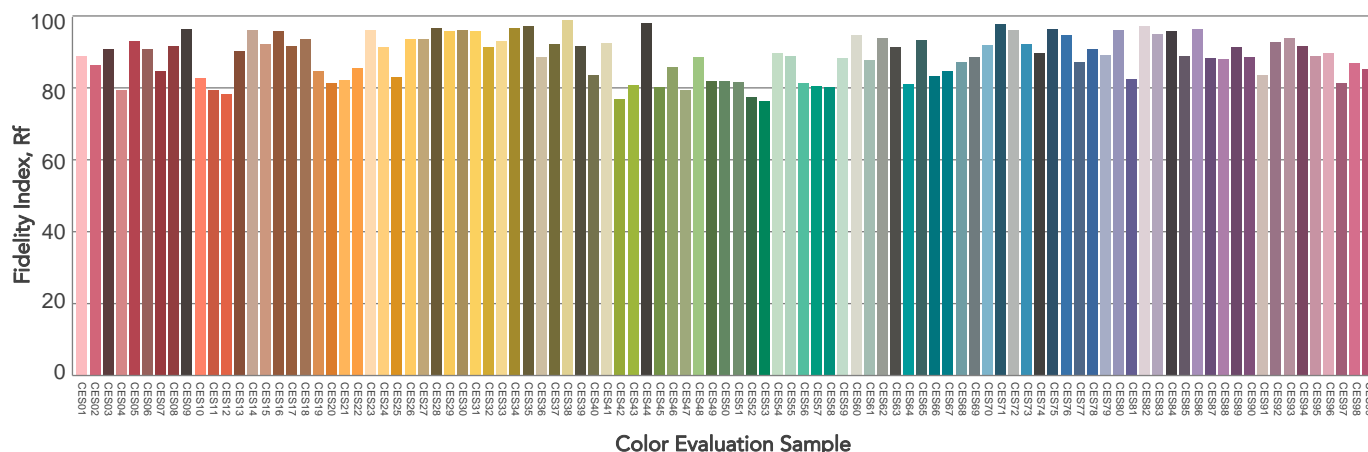
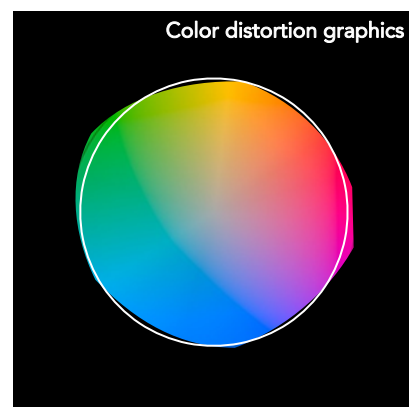
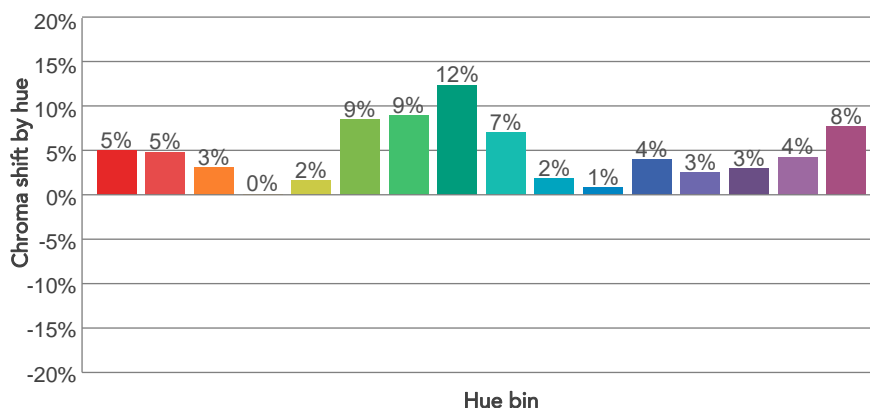
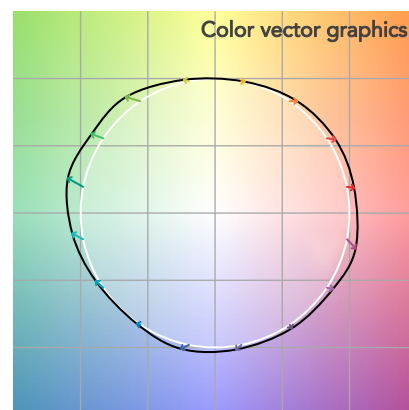
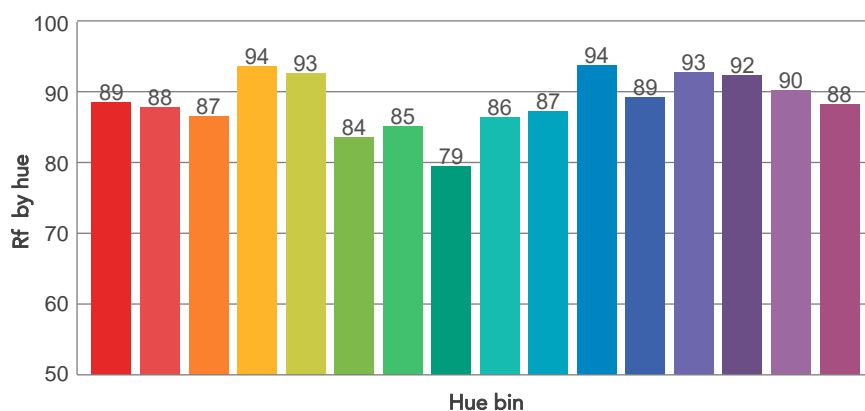
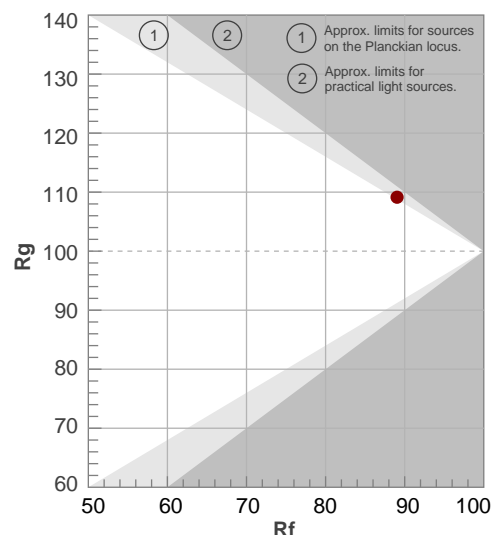
**Rf 89,0**

Fidelity index Rf

**Rg 109,1**

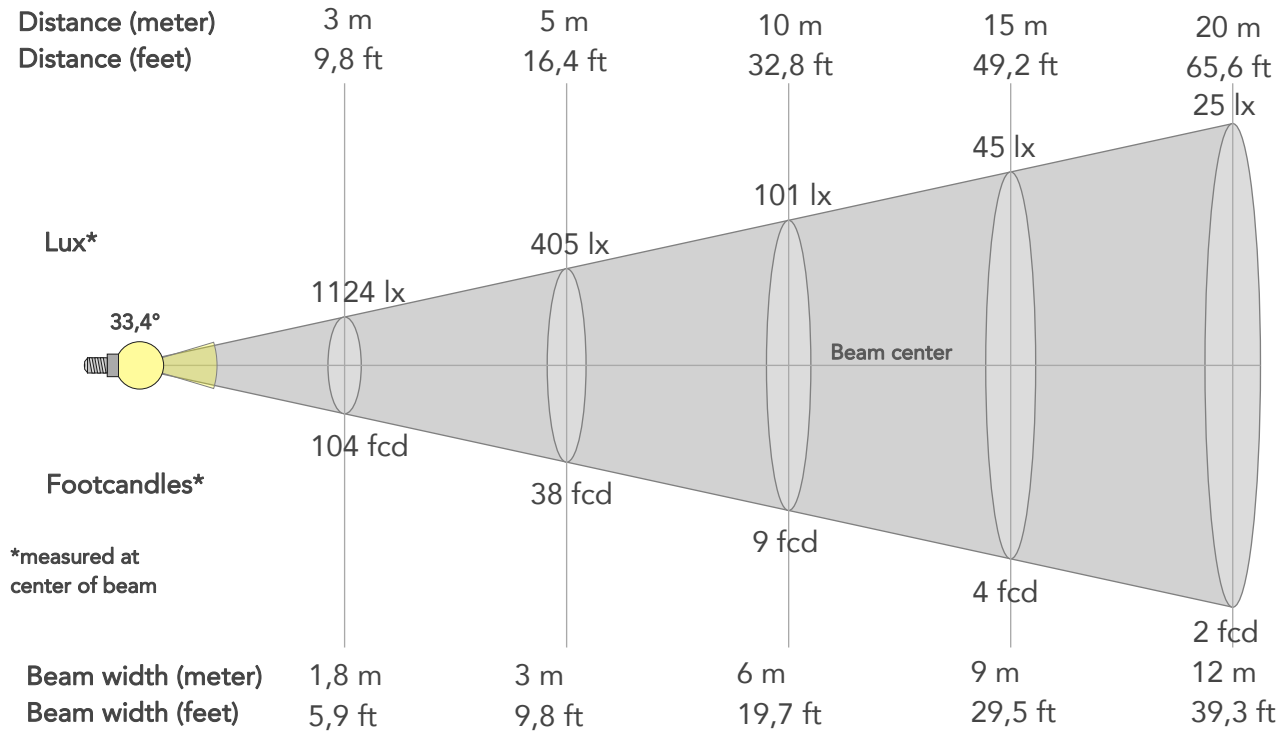
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	89	5%	-2%
2	88	5%	-4%
3	87	3%	-4%
4	94	0%	-2%
5	93	2%	3%
6	84	9%	7%
7	85	9%	2%
8	79	12%	-4%
9	86	7%	-6%
10	87	2%	-7%
11	94	1%	-2%
12	89	4%	-5%
13	93	3%	-5%
14	92	3%	0%
15	90	4%	2%
16	88	8%	-5%



# BEAM DETAILS

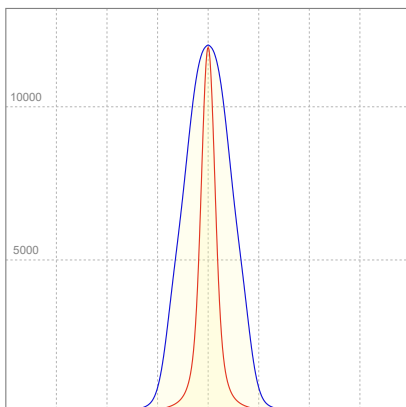
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,4°	58,8°	81,8°	97,3%	92,3%



## 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	10118lx	2530lx	1124lx	632lx	405lx	180lx	101lx	45lx	25lx	16lx	11lx	6lx	4lx
Footcand.	940fcd	235fcd	104fcd	59fcd	38fcd	17fcd	9fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30m
Beam wid.	2ft	4ft	5,9ft	7,8ft	9,8ft	14,7ft	19,7ft	29,5ft	39,3ft	49,1ft	59ft	78,6ft	98,3ft

## LINEAR DISTRIBUTION DIAGRAM

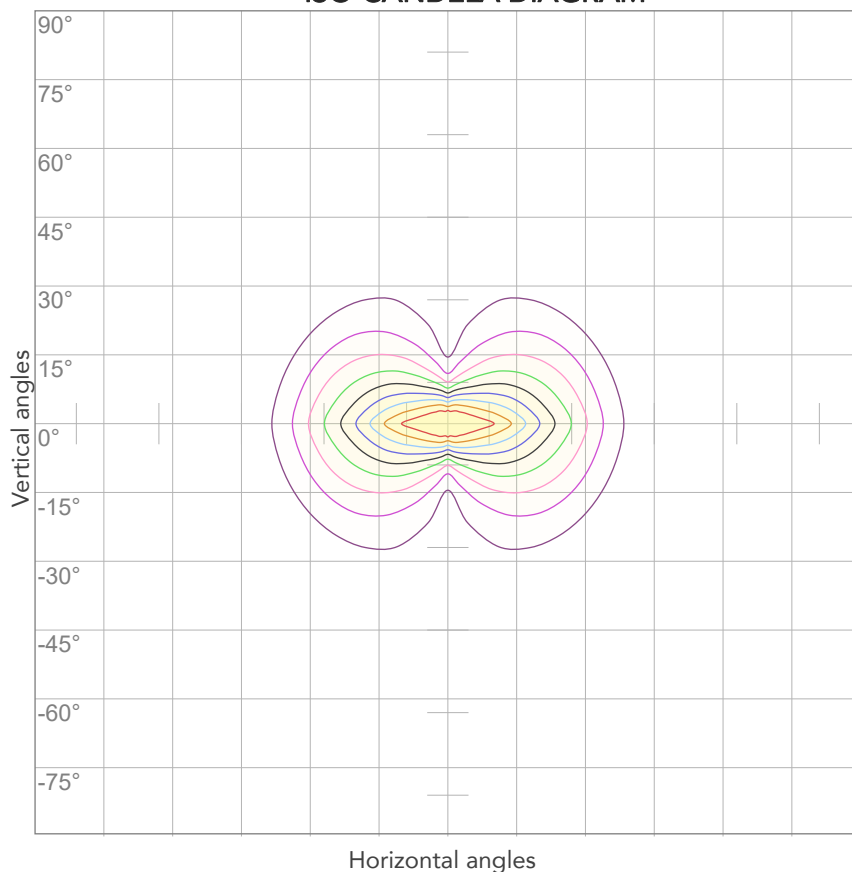


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,351A	72,6W	0,92	67lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



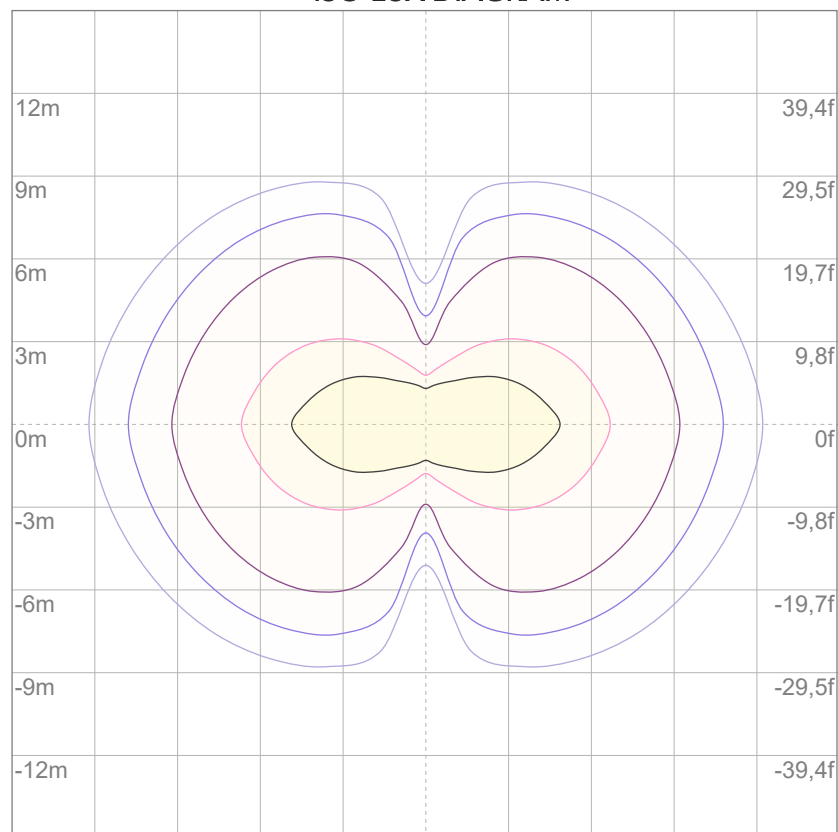
10%	1012 cd
20%	2024 cd
30%	3035 cd
40%	4047 cd
50%	5059 cd
60%	6071 cd
70%	7083 cd
80%	8095 cd

### Conditions:

Number of c-planes: 4

Candela at center: 10118 cd

## ISO LUX DIAGRAM



3%	3,04 lx
5%	5,06 lx
10%	10,1 lx
30%	30,4 lx
50%	50,6 lx

### Conditions:

Number of c-planes: 4

Lux at center: 101 lx

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



Total lumen output:

3552 lm

Peak candela output:

5082 cd

Light quality:

CRI: 85,0

Color temperature:

3250 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 30°x 60° Filter

Target:

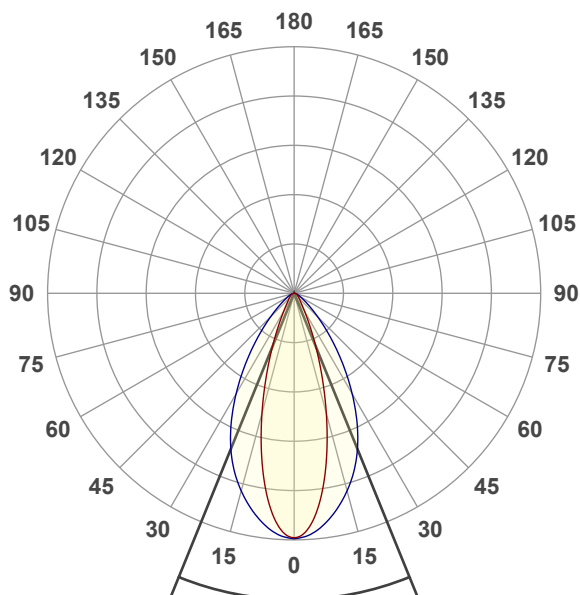
3200K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 12:28:19

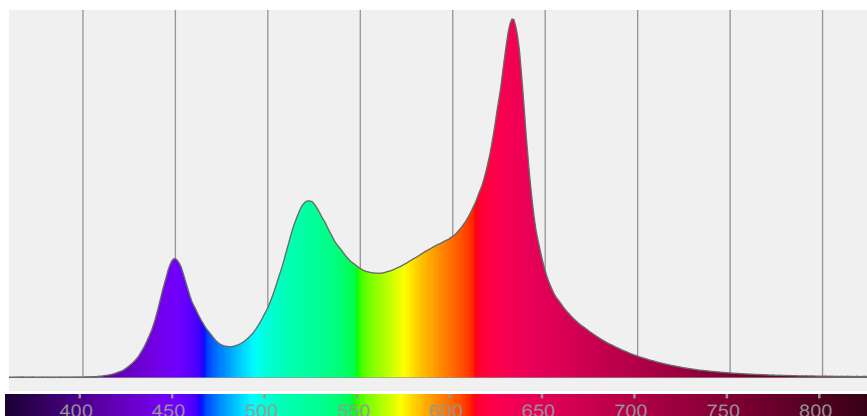


Beam angle 50%: 44,2°

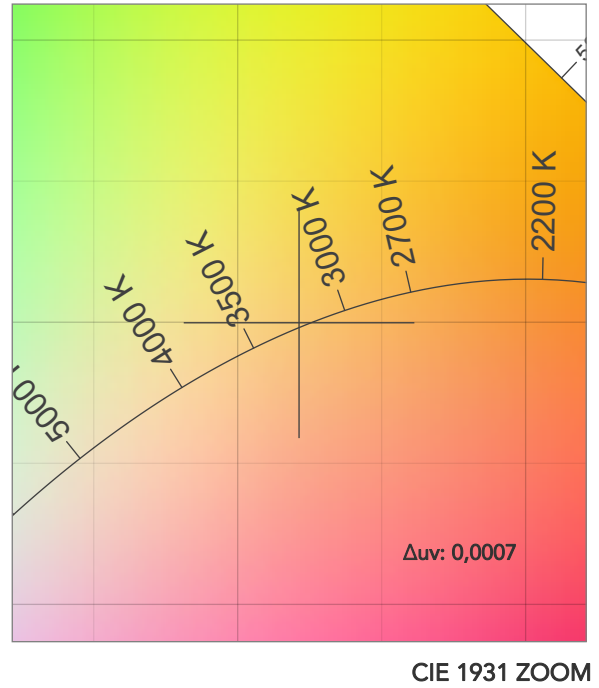
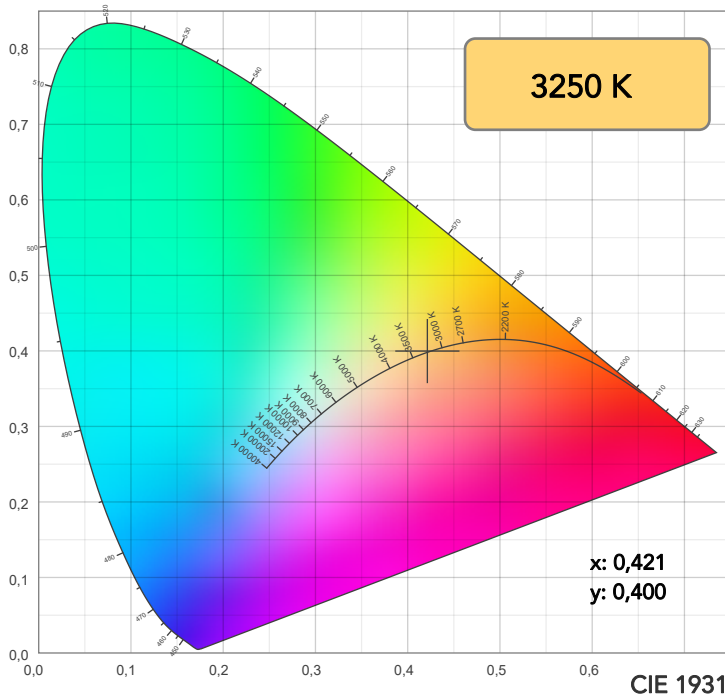
Field angle 10%: 76,8°

Cut off angle 2.5%: 110,7°

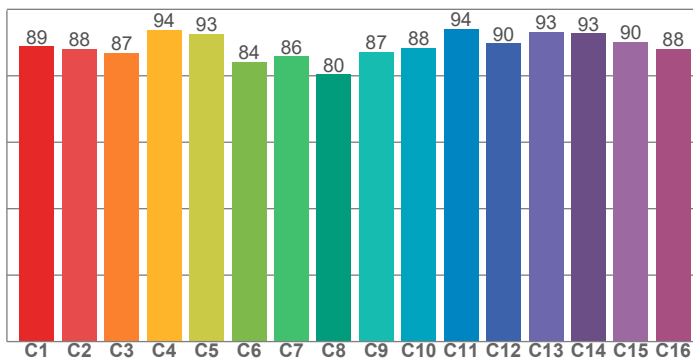
**Spectra**



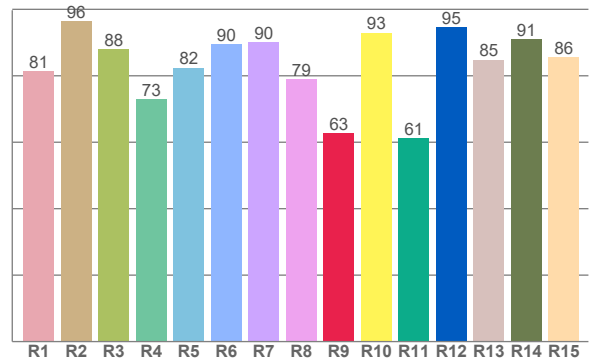
## COLOR DETAILS



**TM30: 89,5**



**CRI: 85,0 (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
81,5	96,4	88,1	72,9	82,4	89,5	90,1	79,0	62,6	93,0	61,1	94,6	84,8	91,1	85,5

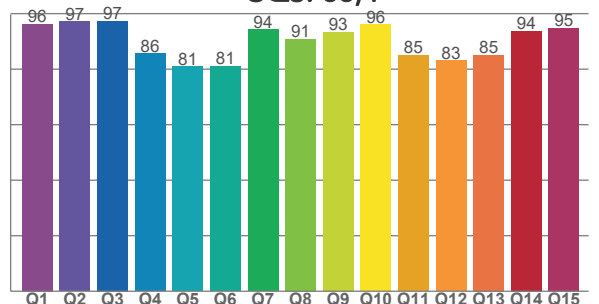
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,9	88,1	87,0	93,9	92,7	84,2	85,8	80,4	87,2	88,4	94,1	89,8	93,3	92,8	90,3	88,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,2	97,1	97,3	85,7	80,9	81,0	94,3	90,8	93,3	96,0	85,0	83,0	85,1	93,8	94,8

**CQS: 88,4**



## COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
3250 K	85,0	62,6	89,5	108,7	88,4	73	0,421	0,400	0,0007



## TM30 DETAILS

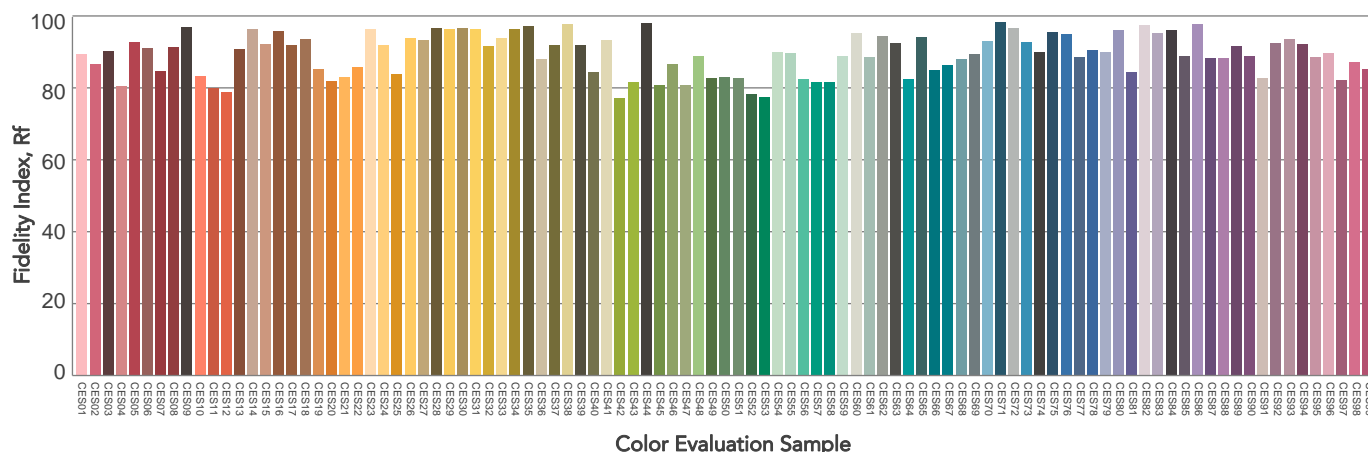
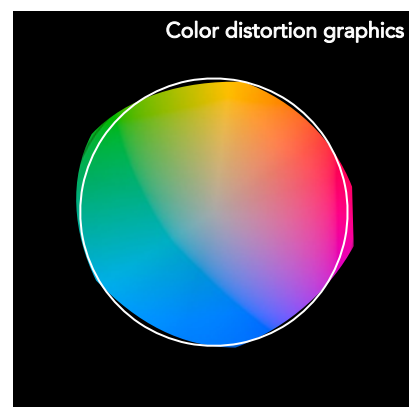
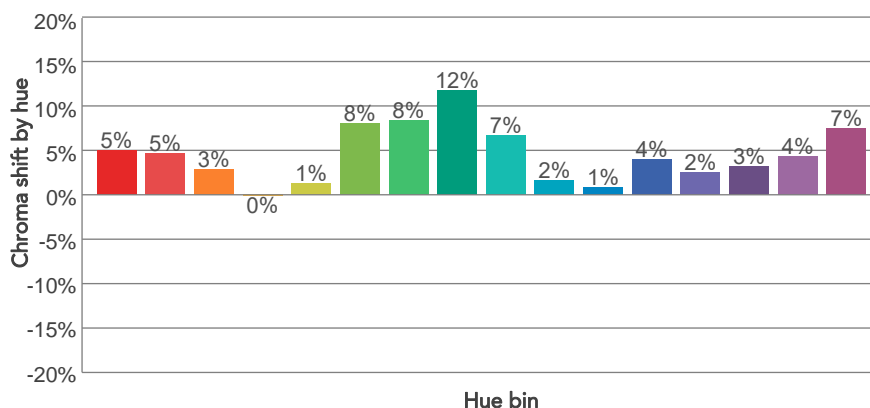
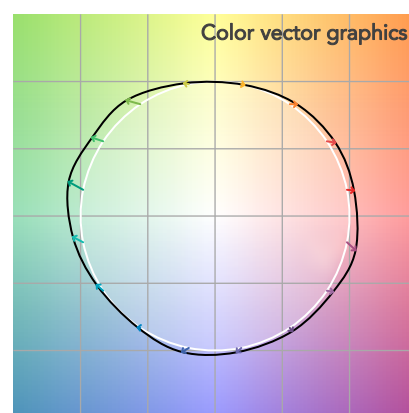
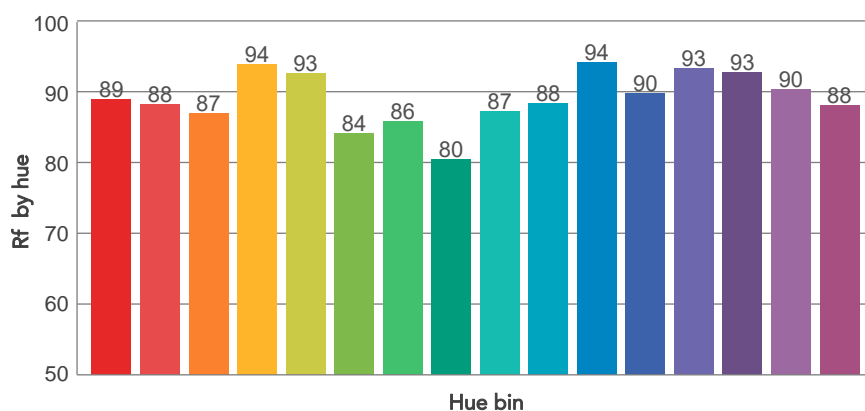
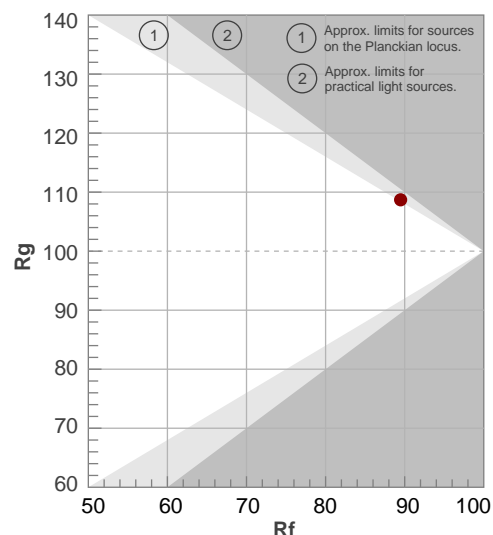
**Rf 89,5**

Fidelity index Rf

**Rg 108,7**

Gammut index

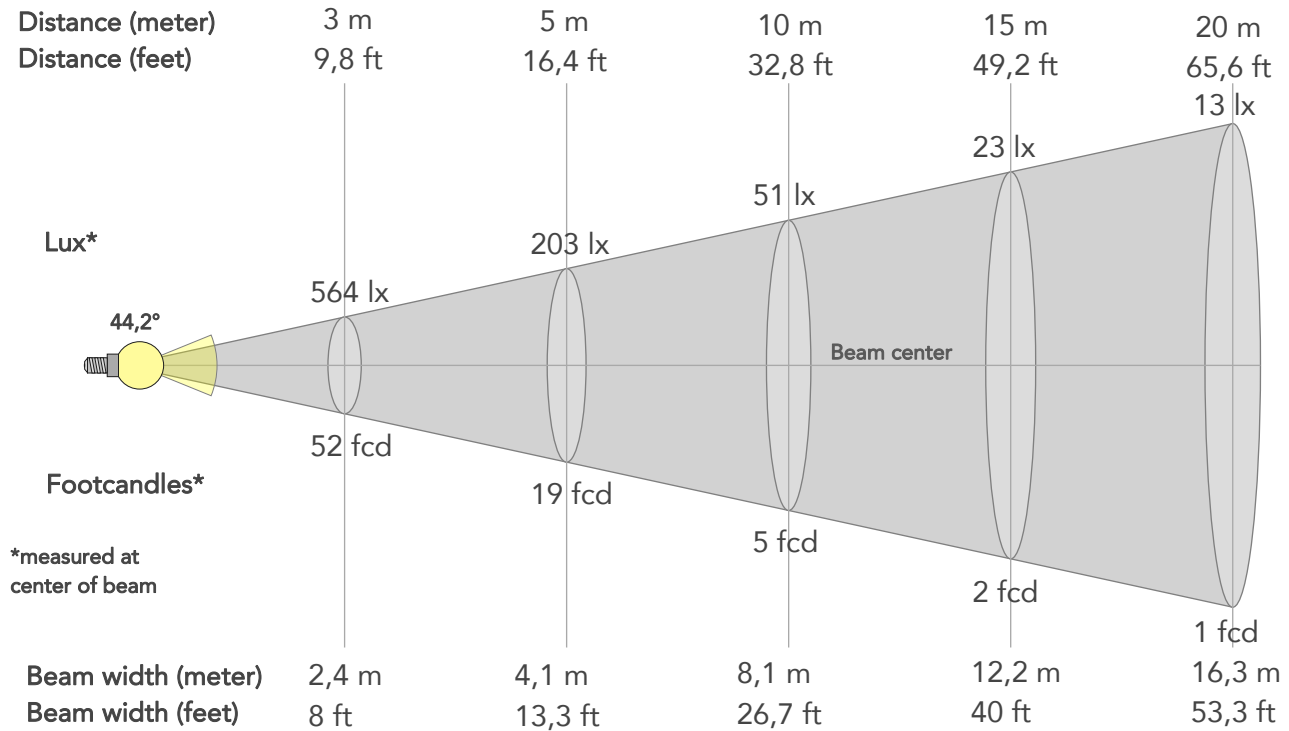
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	89	5%	-2%
2	88	5%	-4%
3	87	3%	-4%
4	94	0%	-2%
5	93	1%	3%
6	84	8%	7%
7	86	8%	2%
8	80	12%	-4%
9	87	7%	-5%
10	88	2%	-6%
11	94	1%	-2%
12	90	4%	-4%
13	93	2%	-4%
14	93	3%	0%
15	90	4%	2%
16	88	7%	-5%



# BEAM DETAILS



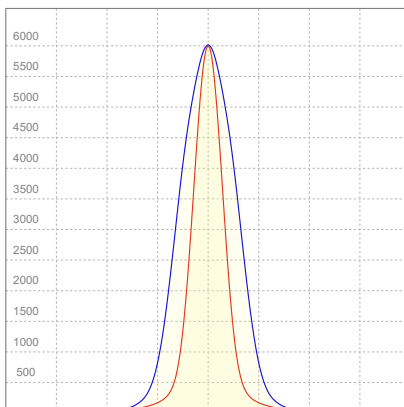
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,2°	76,8°	110,7°	95,7%	87,5%



## 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	5075lx	1269lx	564lx	317lx	203lx	90lx	51lx	23lx	13lx	8lx	6lx	3lx	2lx
Footcand.	472fcd	118fcd	52fcd	29fcd	19fcd	8fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,3m	4,1m	6,1m	8,1m	12,2m	16,3m	20,3m	24,4m	32,5m	40,7m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,3ft	20ft	26,7ft	40ft	53,3ft	66,7ft	80ft	106,7ft	133,4ft

## LINEAR DISTRIBUTION DIAGRAM

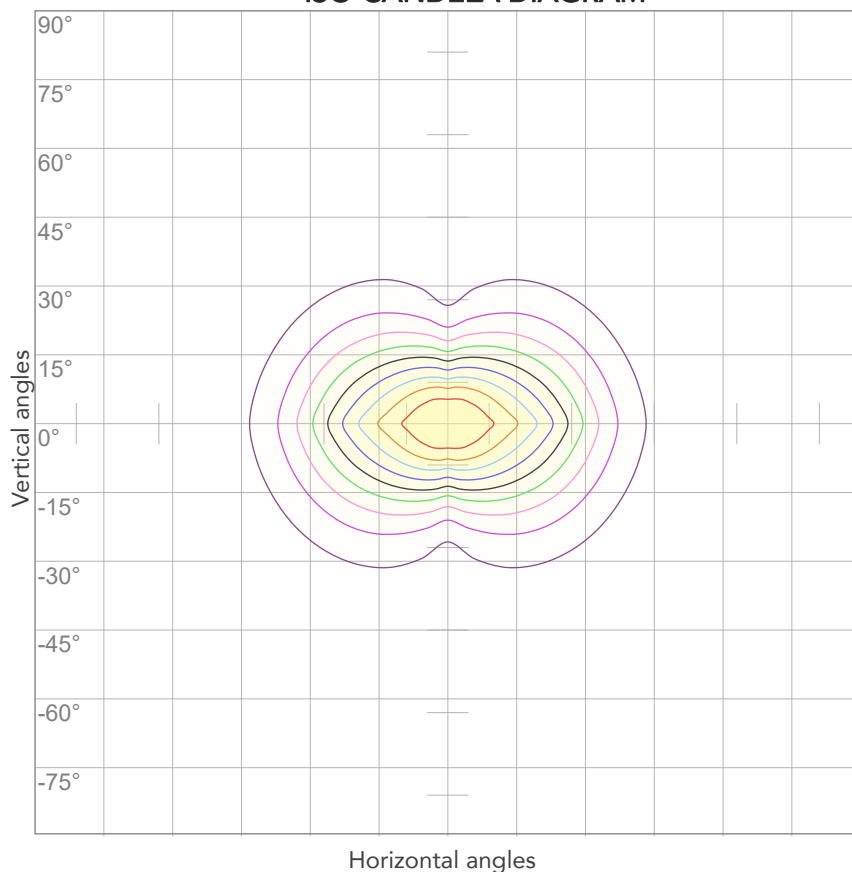


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,345A	71,9W	0,91	49lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



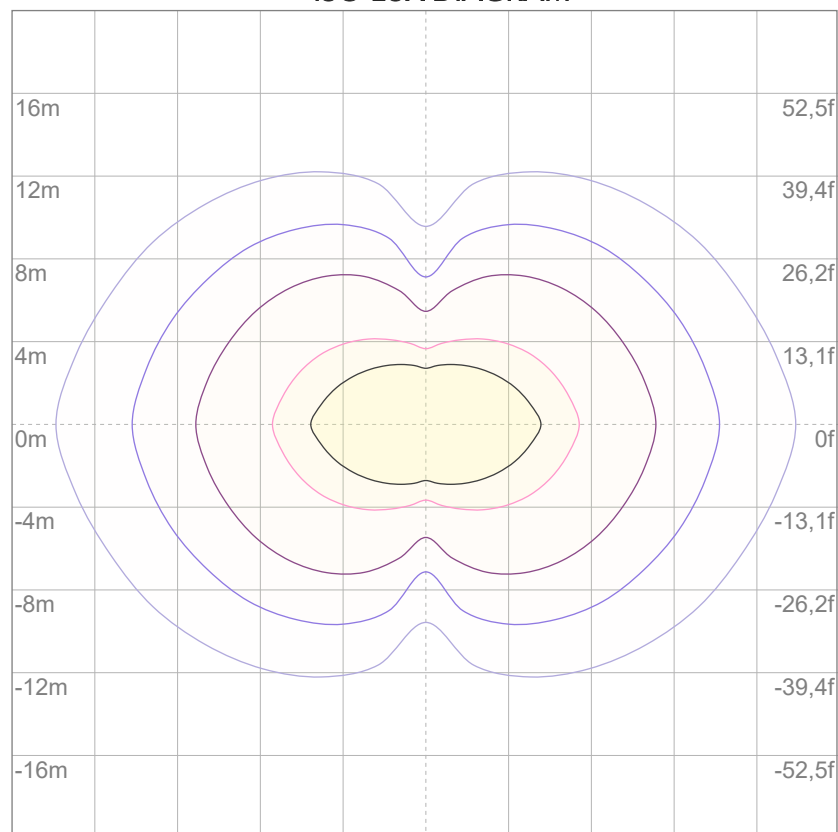
10%	508 cd
20%	1015 cd
30%	1523 cd
40%	2030 cd
50%	2538 cd
60%	3045 cd
70%	3553 cd
80%	4060 cd

### Conditions:

Number of c-planes: 4

Candela at center: 5075 cd

## ISO LUX DIAGRAM



3%	1,52 lx
5%	2,54 lx
10%	5,08 lx
30%	15,2 lx
50%	25,4 lx

### Conditions:

Number of c-planes: 4

Lux at center: 50,8 lx

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



Total lumen output:

4246 lm

Peak candela output:

78533 cd

Light quality:

CRI: 84,0

Color temperature:

4015 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10°

Target:

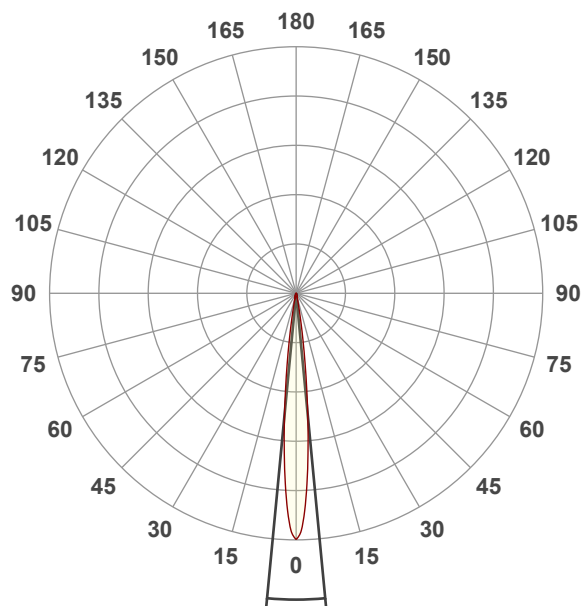
4000K

Operator:

Salvatore Giglio

Date and time:

23/02/2024 17:16:06

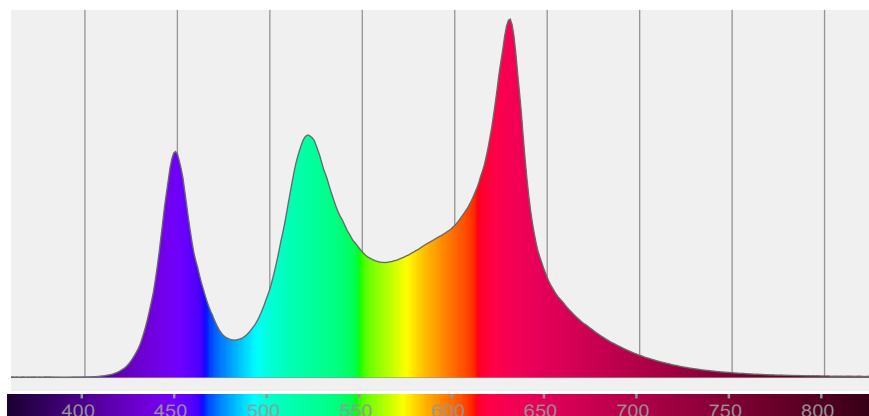


Beam angle 50%: 10,9°

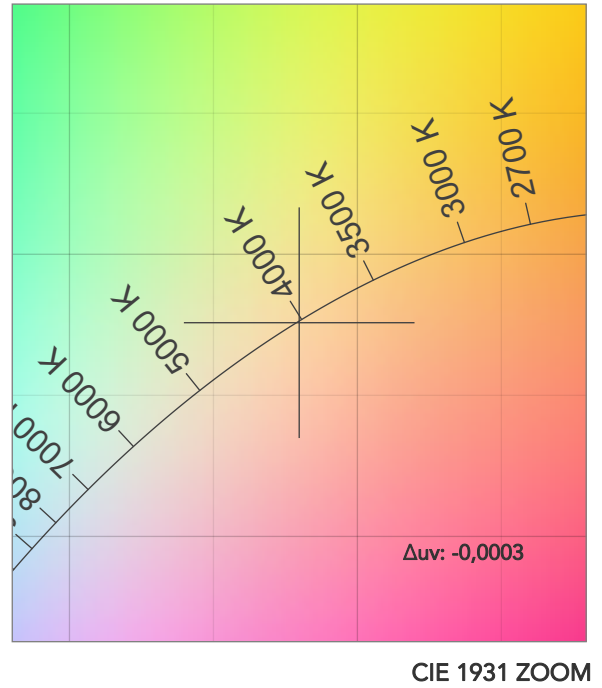
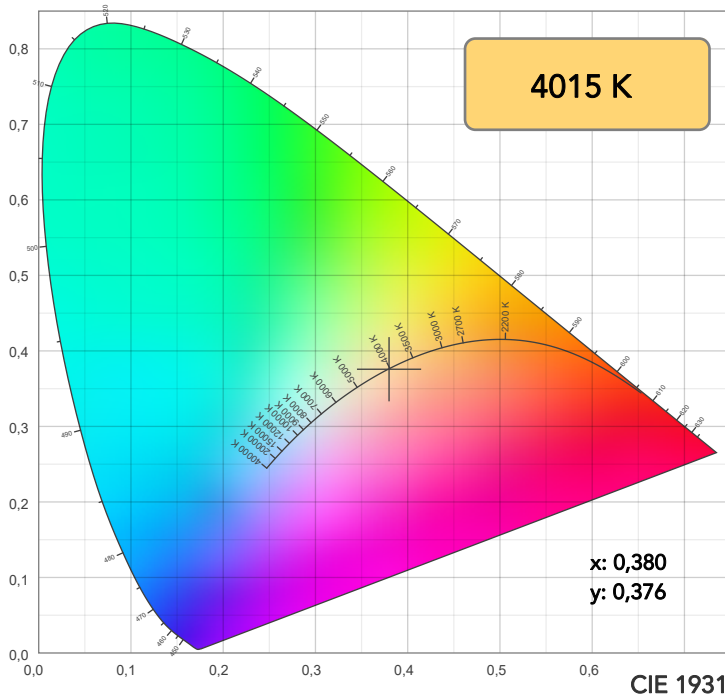
Field angle 10%: 19,6°

Cut off angle 2.5%: 26,4°

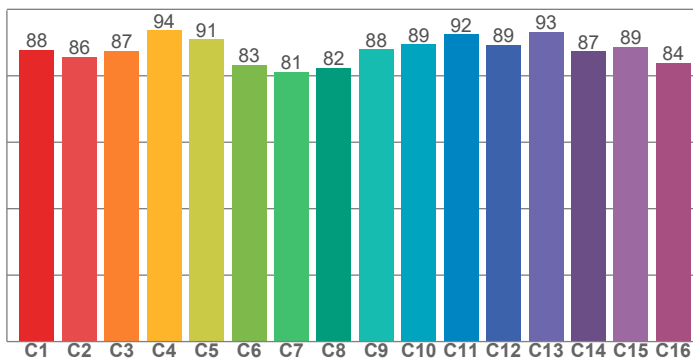
**Spectra**



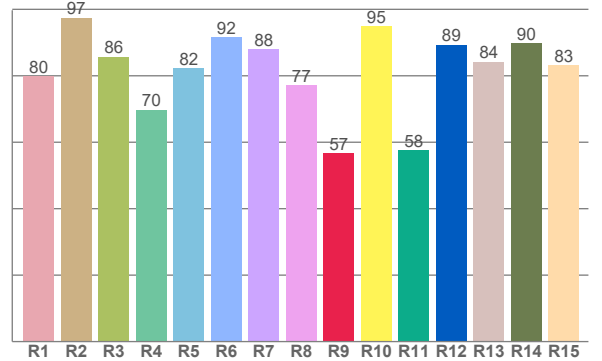
## COLOR DETAILS



**TM30: 88,3**



**CRI: 84,0 (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
79,9	97,5	85,7	69,8	82,2	91,7	88,0	77,1	56,7	94,9	57,5	89,3	84,2	89,8	83,3

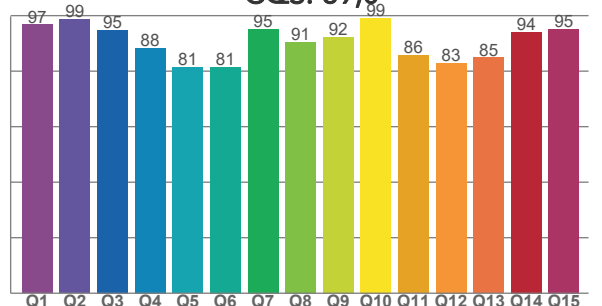
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
87,8	85,8	87,4	93,6	91,0	83,3	81,3	82,3	88,0	89,5	92,4	89,3	93,2	87,3	88,7	83,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,8	98,7	94,9	88,4	81,4	81,5	95,2	90,6	92,3	99,2	85,7	83,0	84,9	94,1	95,1

**CQS: 89,0**



## COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4015 K	84,0	56,7	88,3	110,4	89,0	68	0,380	0,376	-0,0003

## TM30 DETAILS

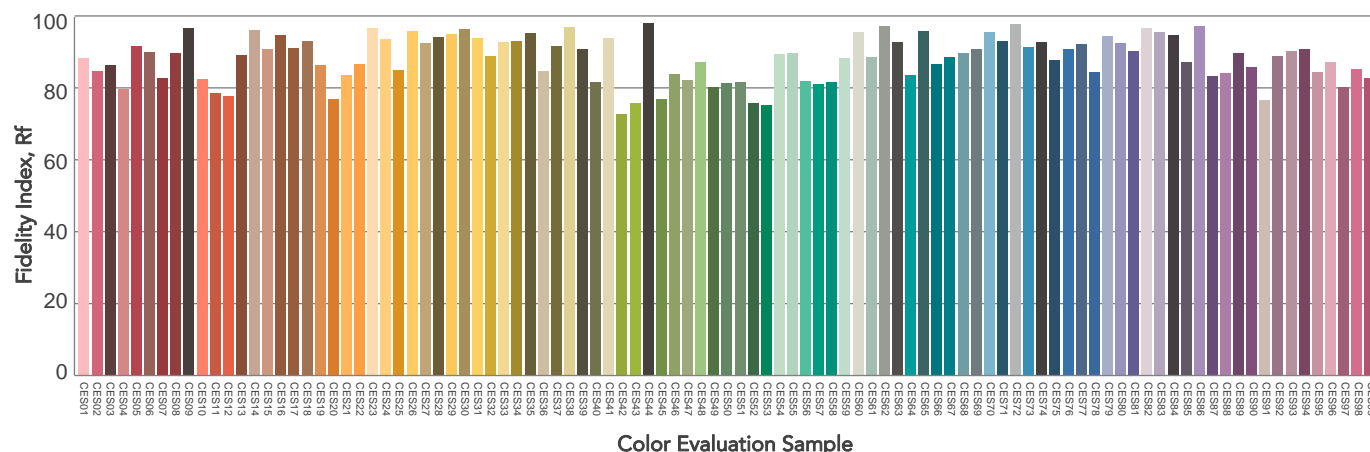
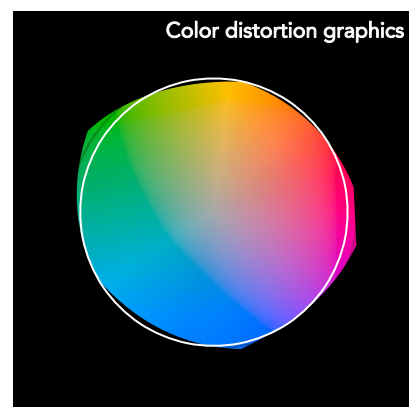
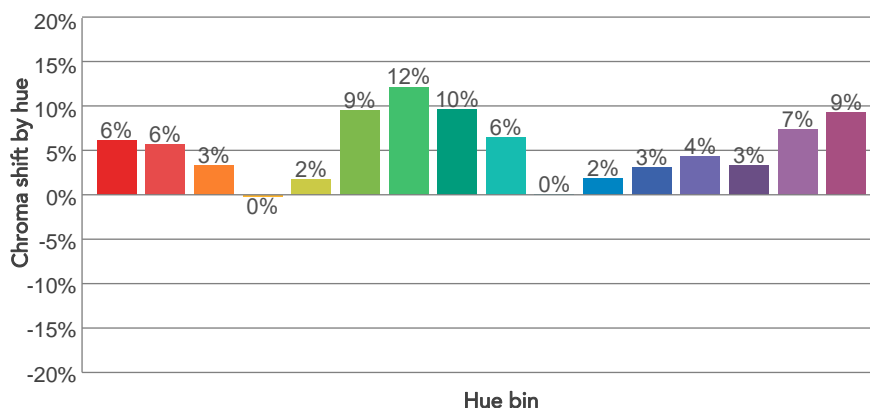
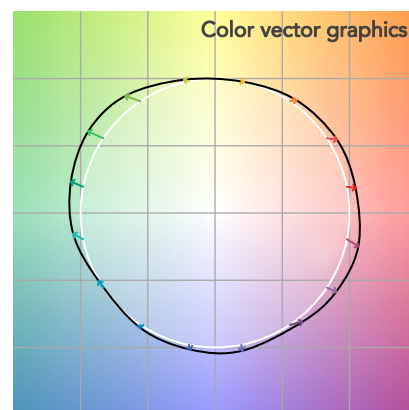
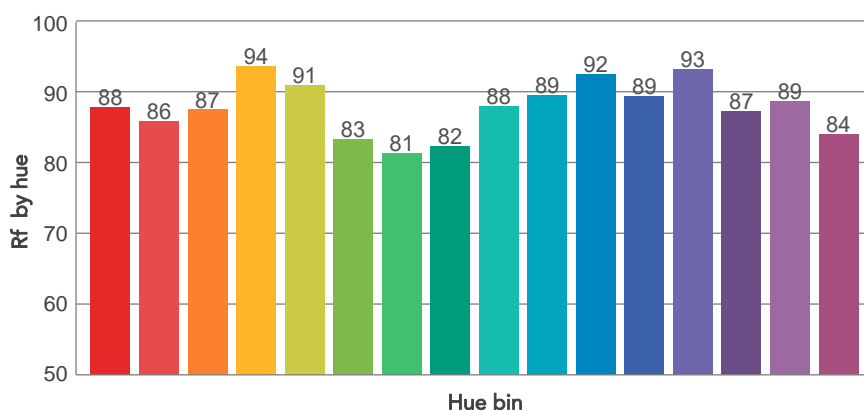
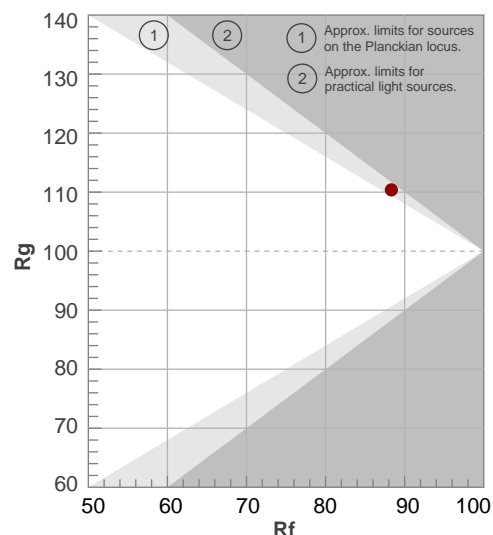
**Rf 88,3**

Fidelity index Rf

**Rg 110,4**

Gammut index

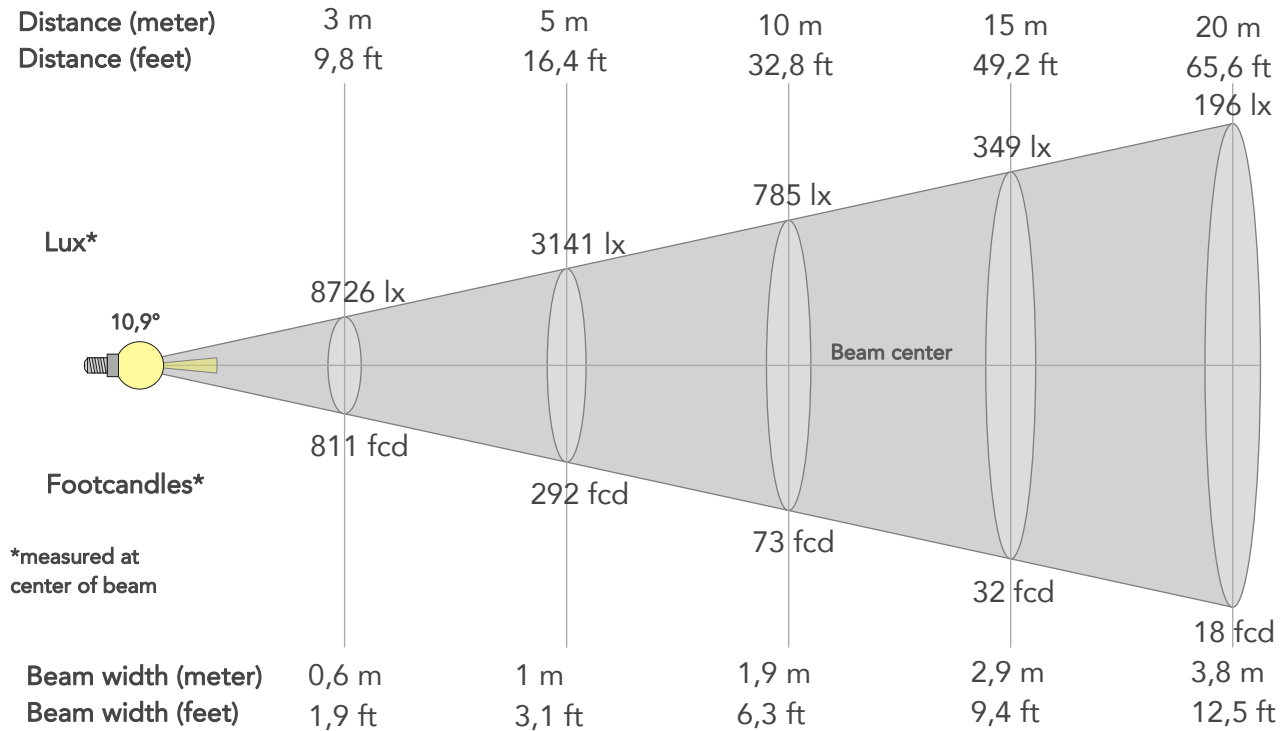
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	88	6%	-2%
2	86	6%	-5%
3	87	3%	-4%
4	94	0%	-2%
5	91	2%	3%
6	83	9%	7%
7	81	12%	2%
8	82	10%	-2%
9	88	6%	-5%
10	89	0%	-6%
11	92	2%	1%
12	89	3%	2%
13	93	4%	0%
14	87	3%	9%
15	89	7%	1%
16	84	9%	-3%



# BEAM DETAILS



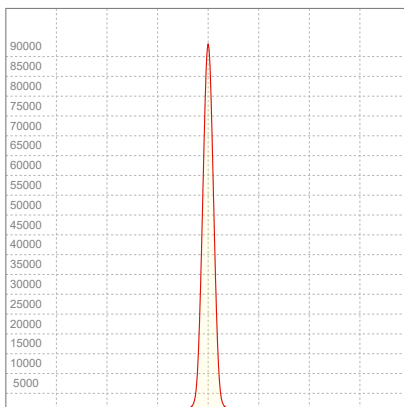
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,9°	19,6°	26,4°	95,1%	91,7%



## 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	78533lx	19633lx	8726lx	4908lx	3141lx	1396lx	785lx	349lx	196lx	126lx	87lx	49lx	31lx
Footcand.	7296fcd	1824fcd	811fcd	456fcd	292fcd	130fcd	73fcd	32fcd	18fcd	12fcd	8fcd	5fcd	3fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,4m	1,9m	2,9m	3,8m	4,8m	5,7m	7,6m	9,5m
Beam wid.	0,6ft	1,3ft	1,9ft	2,5ft	3,1ft	4,7ft	6,3ft	9,4ft	12,5ft	15,6ft	18,8ft	25ft	31,3ft

## LINEAR DISTRIBUTION DIAGRAM

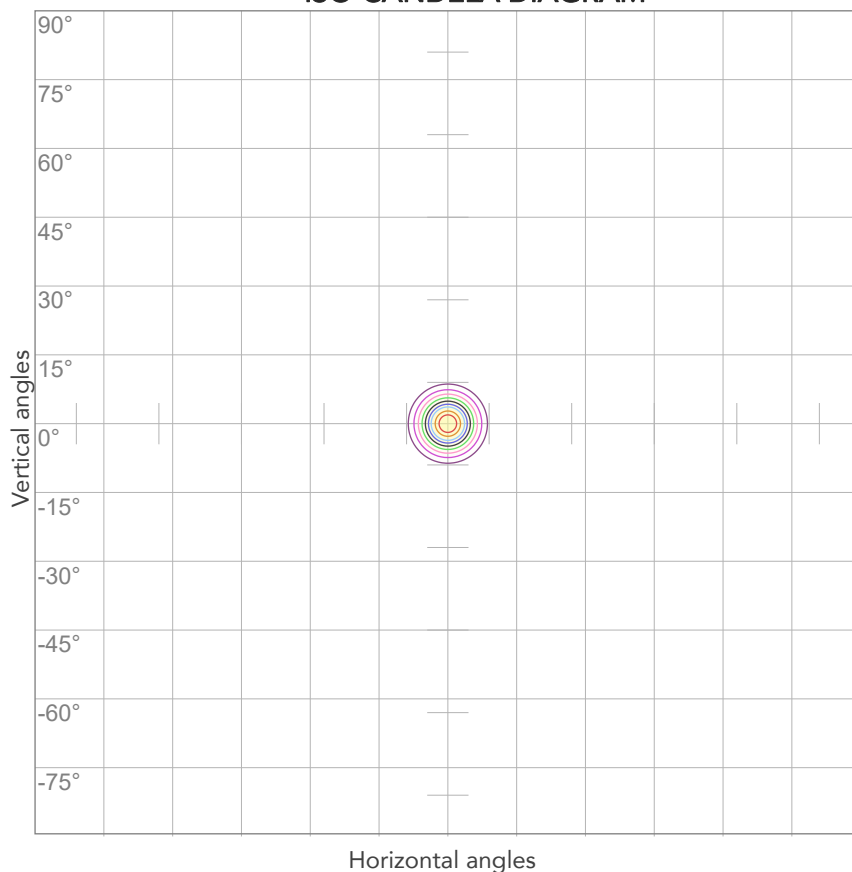


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,382A	79,3W	0,92	54lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



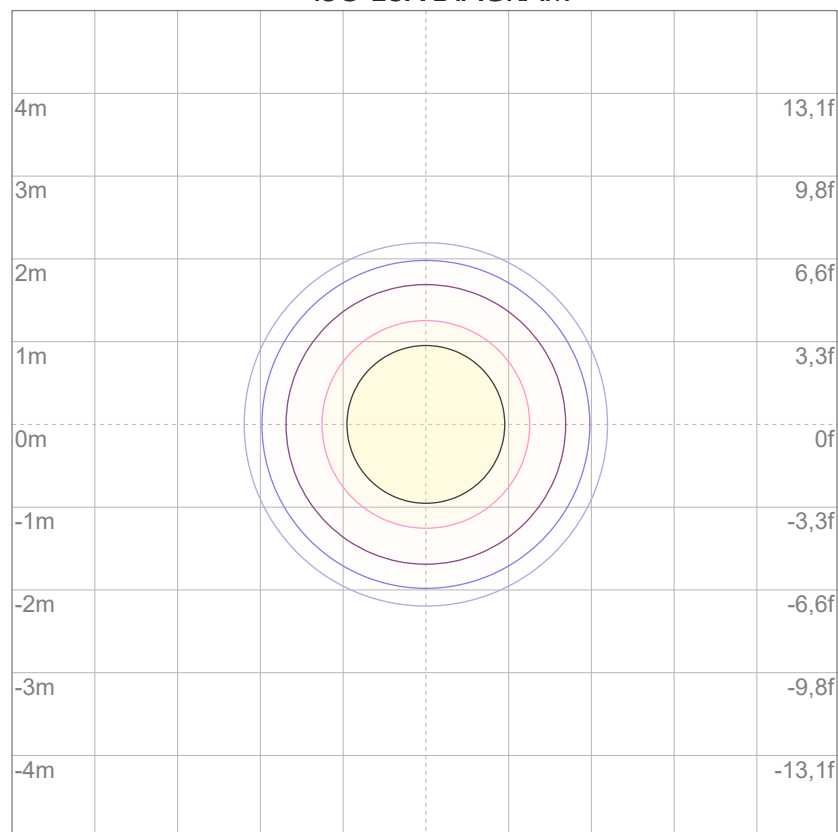
10%	7853 cd
20%	15707 cd
30%	23560 cd
40%	31413 cd
50%	39267 cd
60%	47120 cd
70%	54973 cd
80%	62827 cd

### Conditions:

Number of c-planes: 2

Candela at center: 78533 cd

## ISO LUX DIAGRAM



3%	23,6 lx
5%	39,3 lx
10%	78,5 lx
30%	236 lx
50%	393 lx

### Conditions:

Number of c-planes: 2

Lux at center: 785 lx

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





Total lumen output:

3630 lm

Peak candela output:

14609 cd

Light quality:

CRI: 85,3

Color temperature:

4079 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 20° Filter

Target:

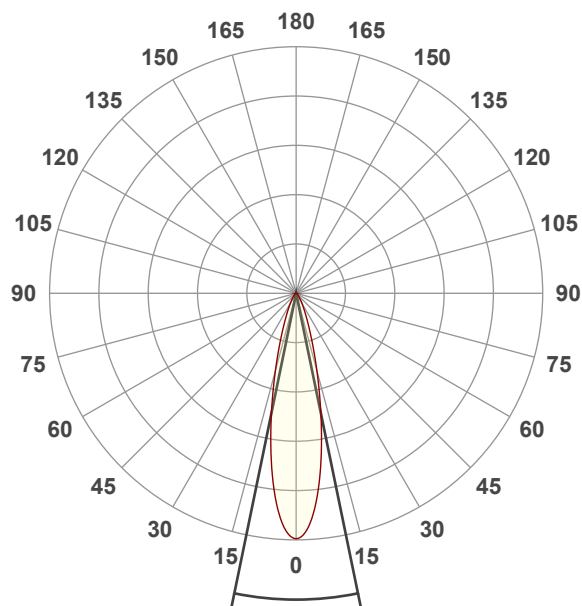
4000K

Operator:

Salvatore Giglio

Date and time:

23/02/2024 17:37:31

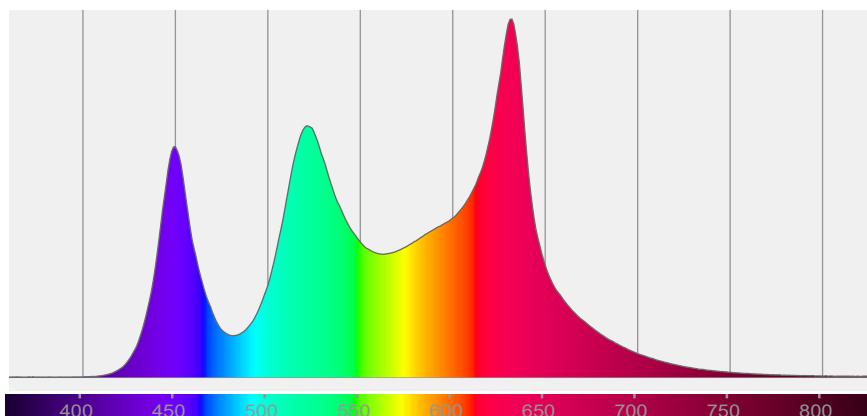


Beam angle 50%: 23,3°

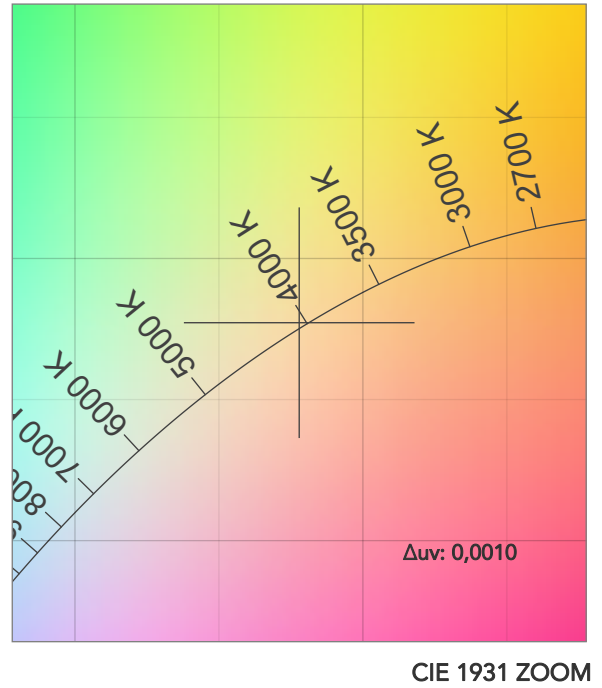
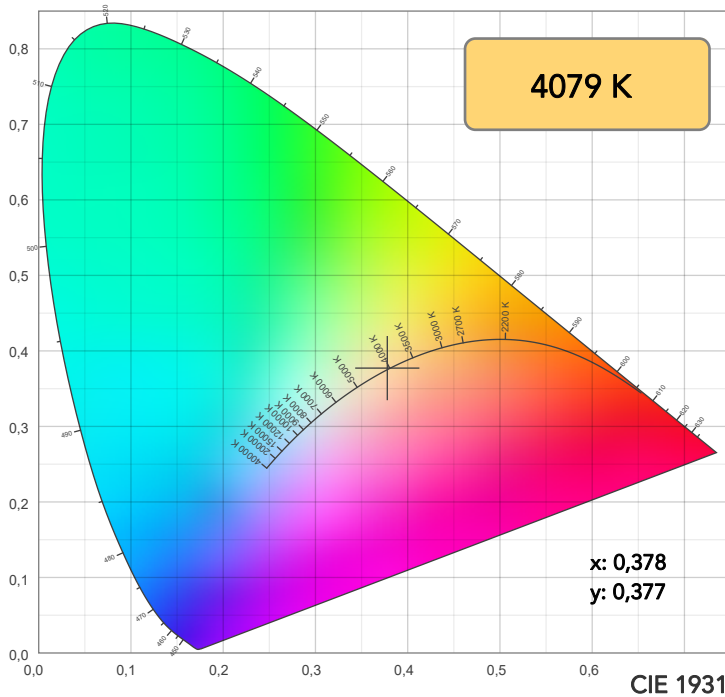
Field angle 10%: 47,2°

Cut off angle 2.5%: 71,9°

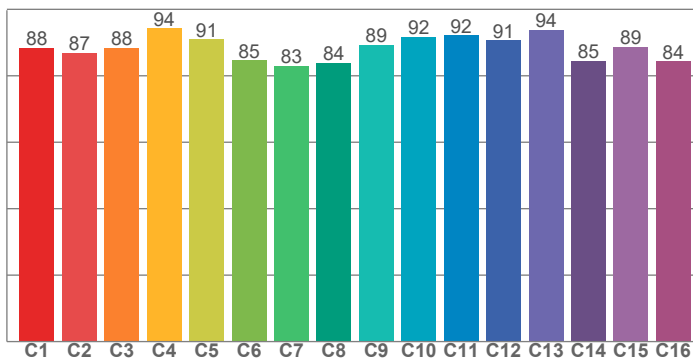
**Spectra**



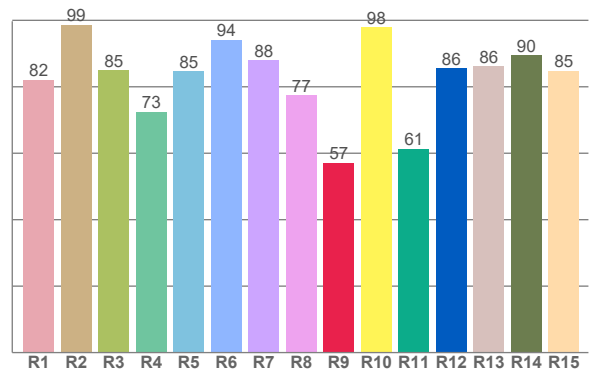
## COLOR DETAILS



TM30: 89,1



CRI: 85,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
82,1	98,7	84,9	72,5	84,7	94,2	87,9	77,4	57,1	97,9	61,3	85,7	86,2	89,5	84,9

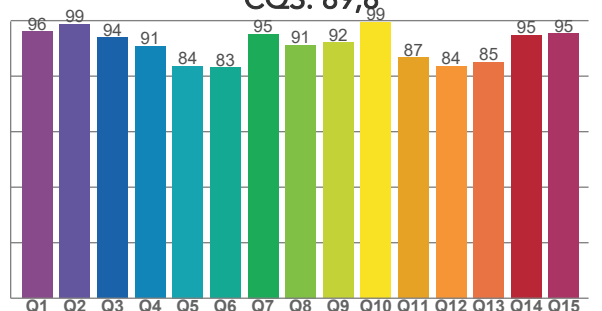
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,3	86,8	88,4	94,3	91,0	84,7	83,0	84,0	89,3	91,7	92,2	90,7	93,7	84,5	88,7	84,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,0	98,7	94,0	90,7	83,6	83,1	95,2	91,2	92,1	99,5	86,6	83,6	85,1	94,8	95,3

CQS: 89,8



## 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
4079 K	85,3	57,1	89,1	109,5	89,8	73	0,378	0,377	0,0010

## TM30 DETAILS

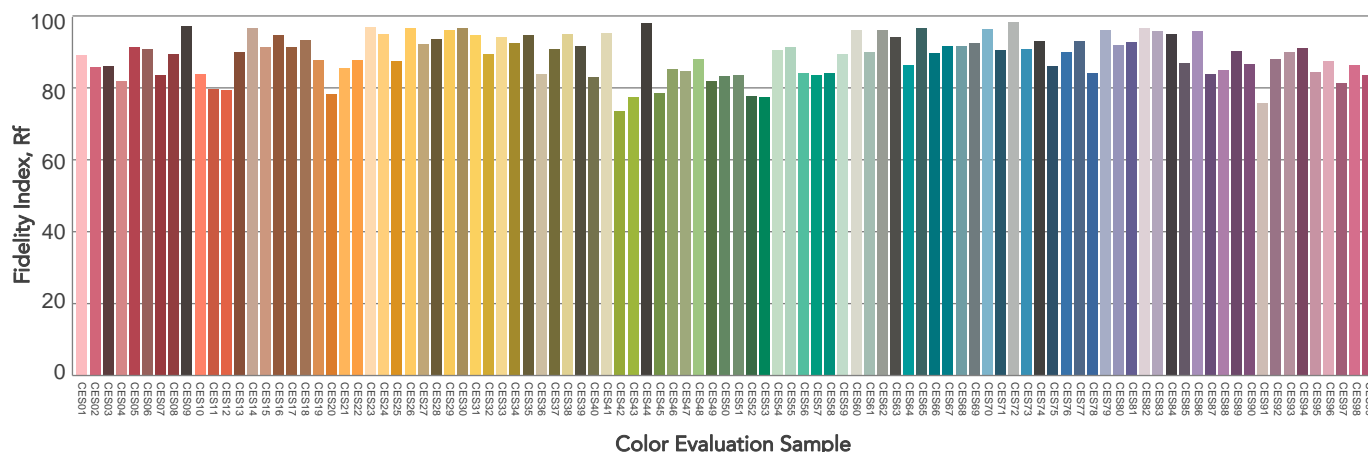
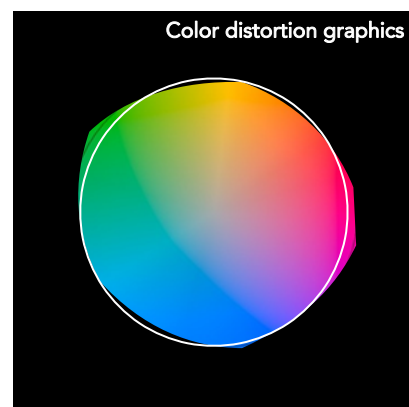
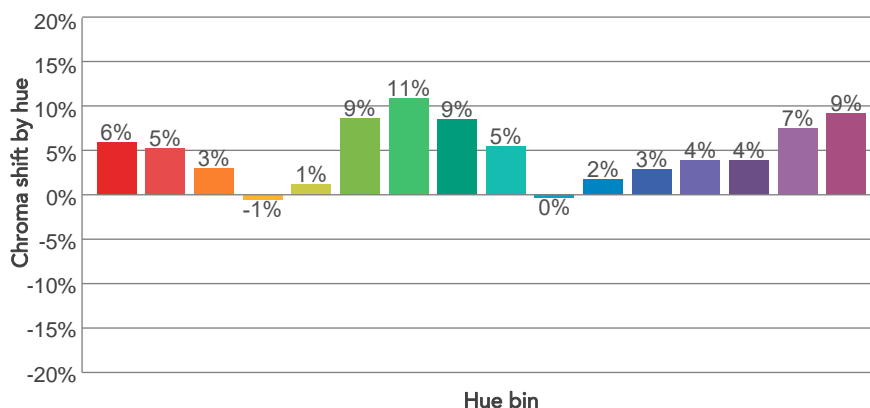
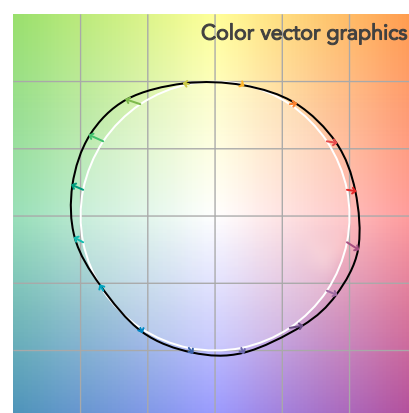
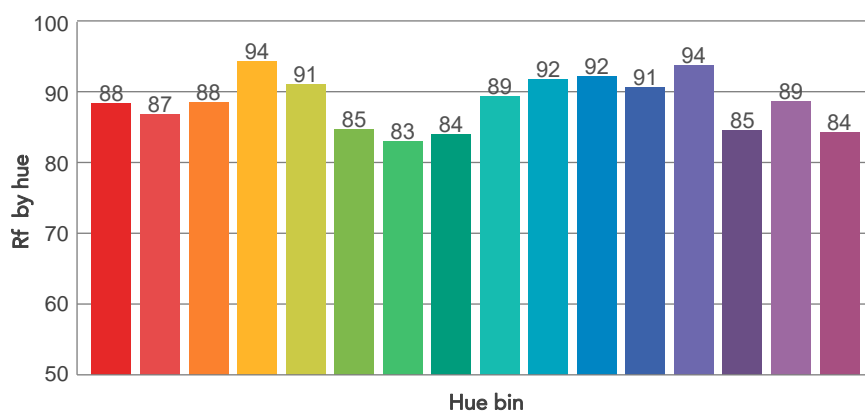
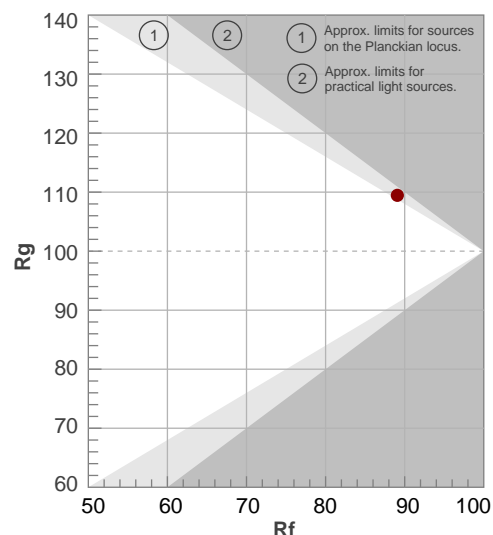
**Rf 89,1**

Fidelity index Rf

**Rg 109,5**

Gammut index

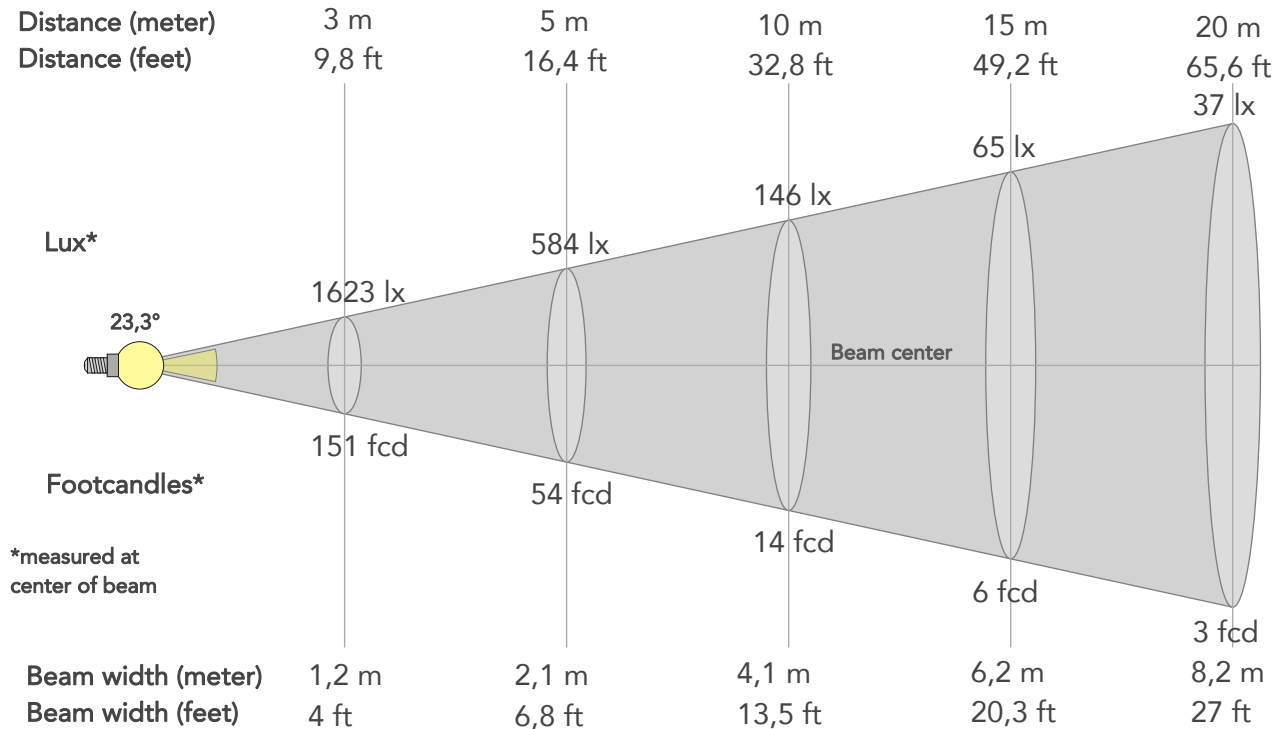
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	88	6%	-2%
2	87	5%	-5%
3	88	3%	-3%
4	94	-1%	-2%
5	91	1%	3%
6	85	9%	7%
7	83	11%	2%
8	84	9%	-2%
9	89	5%	-4%
10	92	0%	-4%
11	92	2%	3%
12	91	3%	3%
13	94	4%	1%
14	85	4%	8%
15	89	7%	1%
16	84	9%	-4%



# BEAM DETAILS



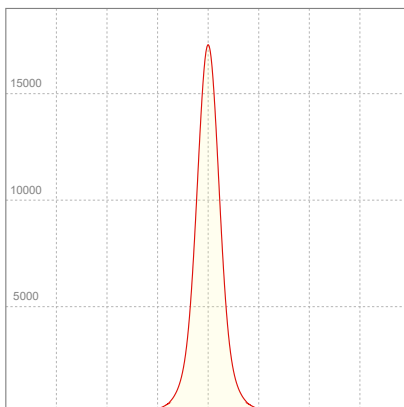
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,3°	47,2°	71,9°	96,7%	92,5%



## 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	14609lx	3652lx	1623lx	913lx	584lx	260lx	146lx	65lx	37lx	23lx	16lx	9lx	6lx
Footcand.	1357fcd	339fcd	151fcd	85fcd	54fcd	24fcd	14fcd	6fcd	3fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2,1m	3,1m	4,1m	6,2m	8,2m	10,3m	12,4m	16,5m	20,6m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,8ft	10,1ft	13,5ft	20,3ft	27ft	33,8ft	40,6ft	54,1ft	67,6ft

## LINEAR DISTRIBUTION DIAGRAM

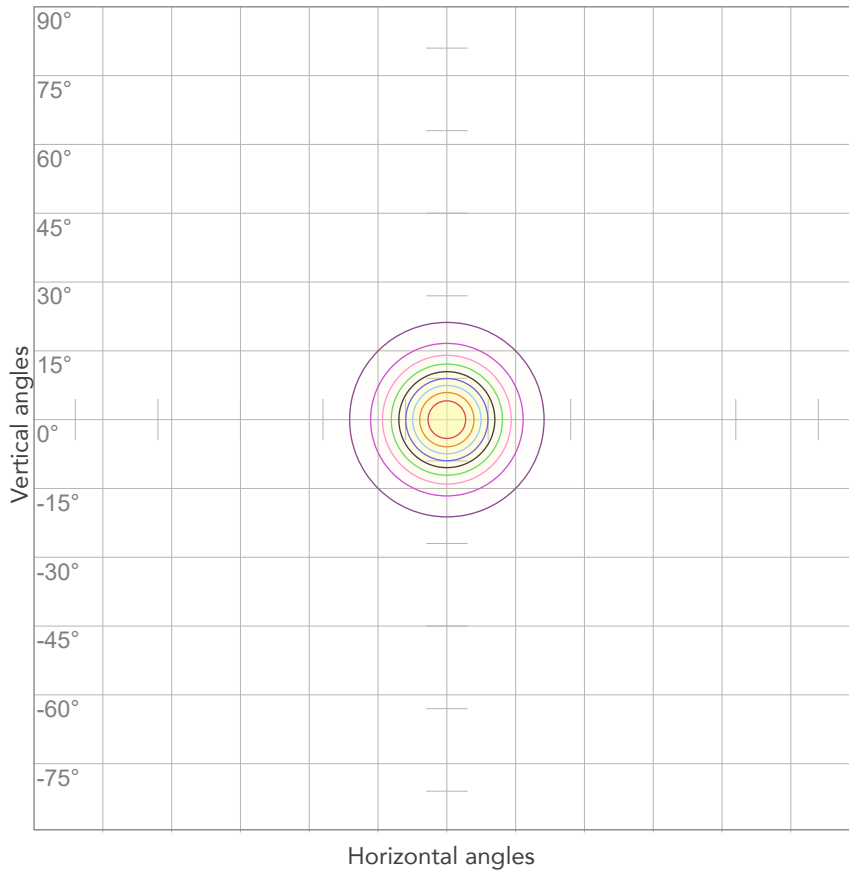


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,373A	77,5W	0,92	47lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



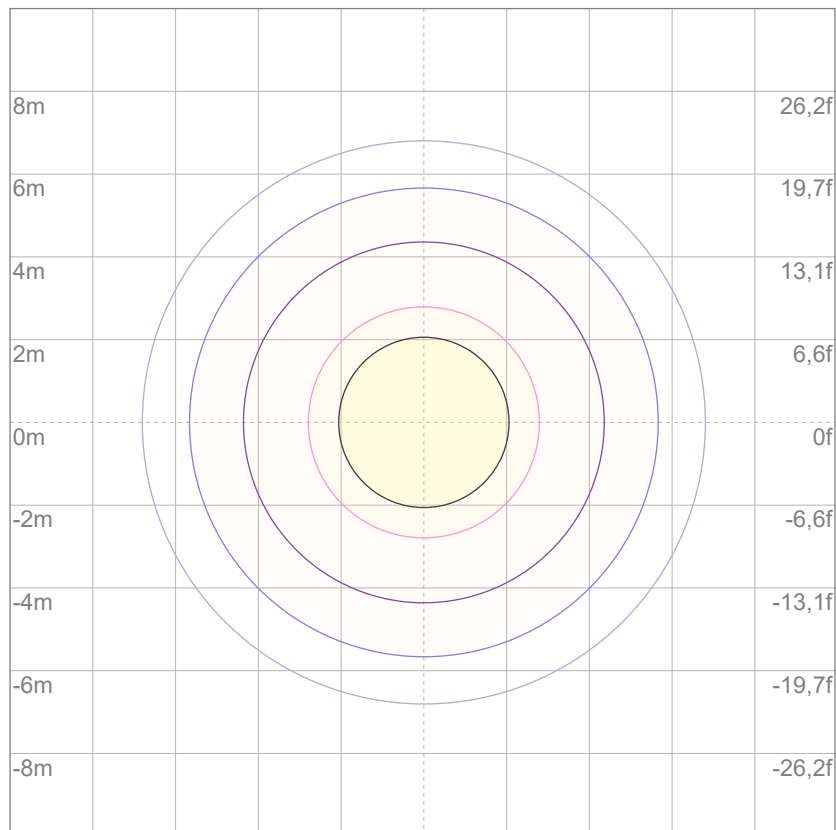
10%	1461 cd
20%	2922 cd
30%	4383 cd
40%	5844 cd
50%	7304 cd
60%	8765 cd
70%	10226 cd
80%	11687 cd

### Conditions:

Number of c-planes: 2

Candela at center: 14609 cd

## ISO LUX DIAGRAM



3%	4,38 lx
5%	7,30 lx
10%	14,6 lx
30%	43,8 lx
50%	73,0 lx

### Conditions:

Number of c-planes: 2

Lux at center: 146 lx

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



Total lumen output:

3581 lm

Peak candela output:

4859 cd

Light quality:

CRI: 83,9

Color temperature:

4001 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 40° Filter

Target:

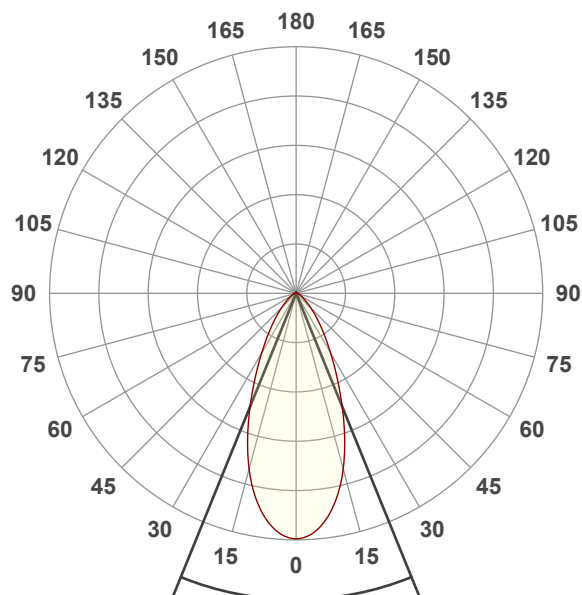
4000K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 10:53:47

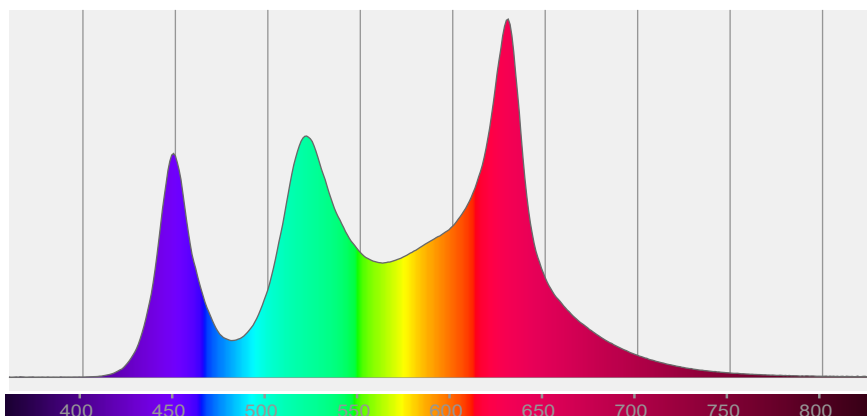


Beam angle 50%: 44,2°

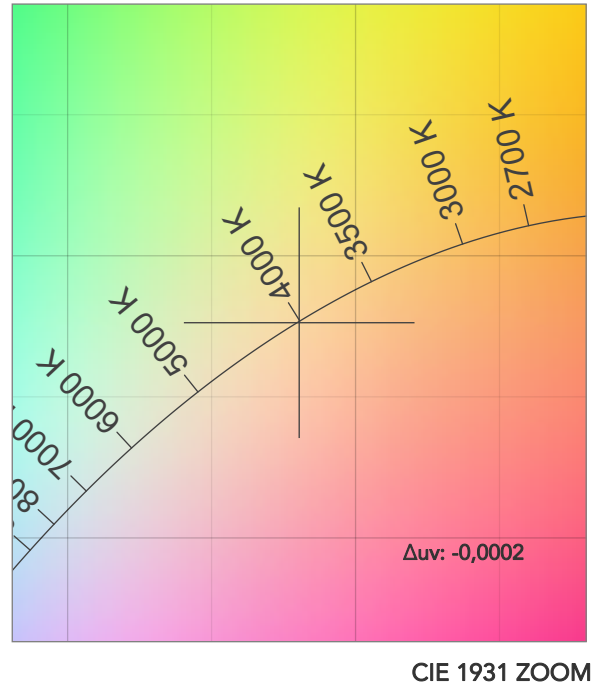
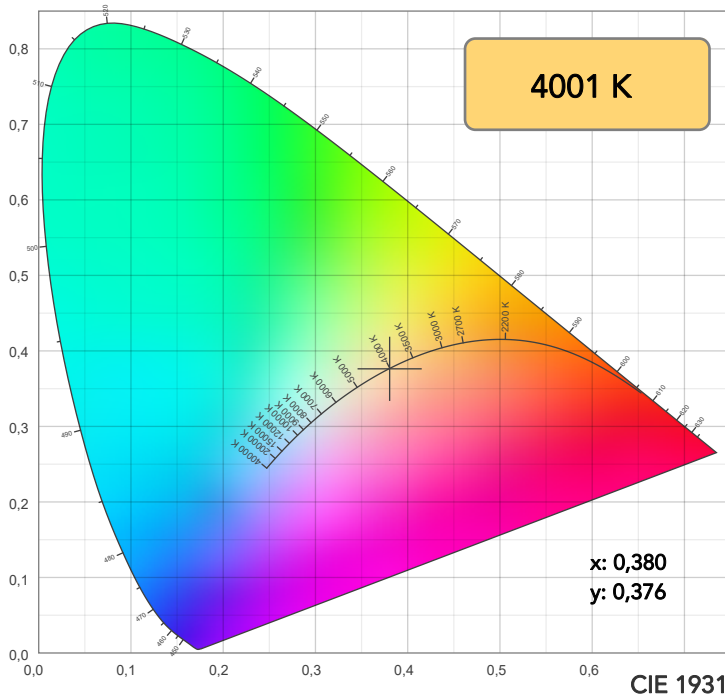
Field angle 10%: 86,3°

Cut off angle 2.5%: 122°

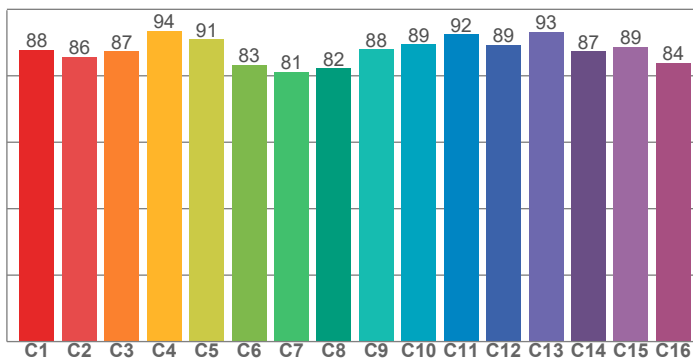
**Spectra**



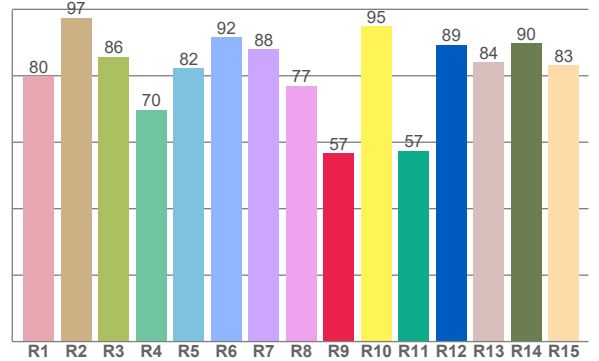
## COLOR DETAILS



TM30: 88,3



CRI: 83,9 (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
79,9	97,4	85,7	69,8	82,2	91,6	88,0	77,0	56,6	94,9	57,5	89,3	84,2	89,8	83,2

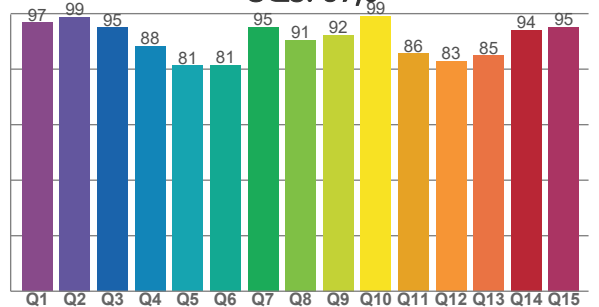
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
87,7	85,7	87,4	93,6	91,0	83,4	81,2	82,3	88,0	89,5	92,4	89,3	93,2	87,3	88,7	83,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,8	98,7	95,0	88,3	81,4	81,5	95,2	90,6	92,3	99,2	85,6	82,9	84,8	94,1	95,1

CQS: 89,0



## COLOR PARAMETERS

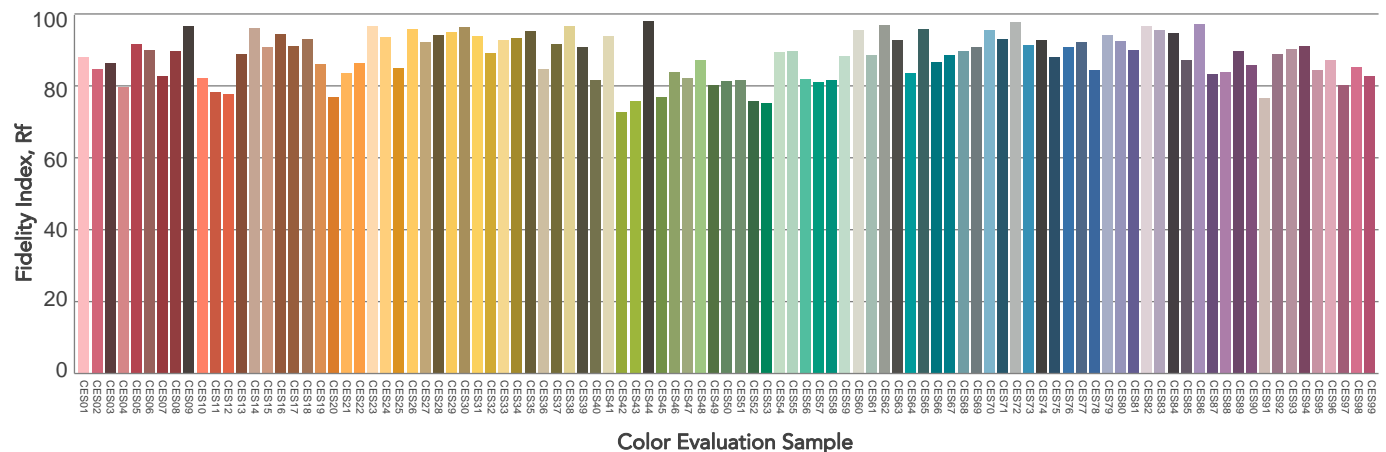
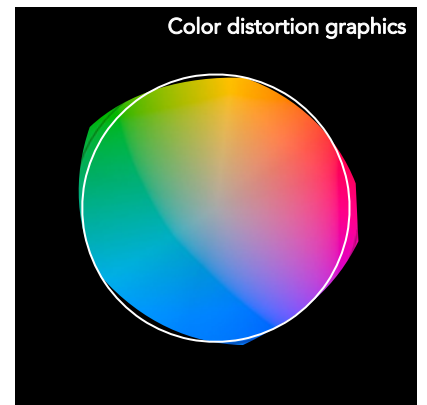
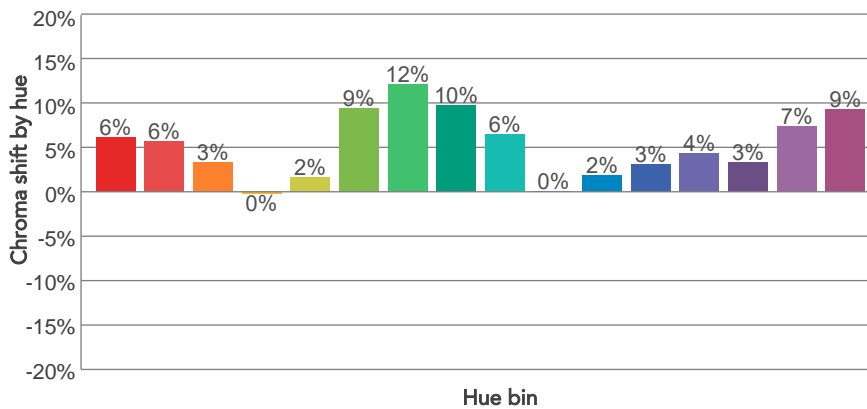
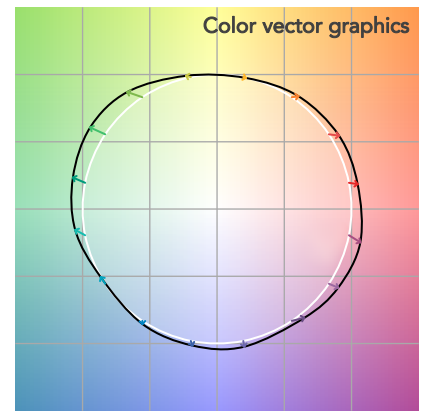
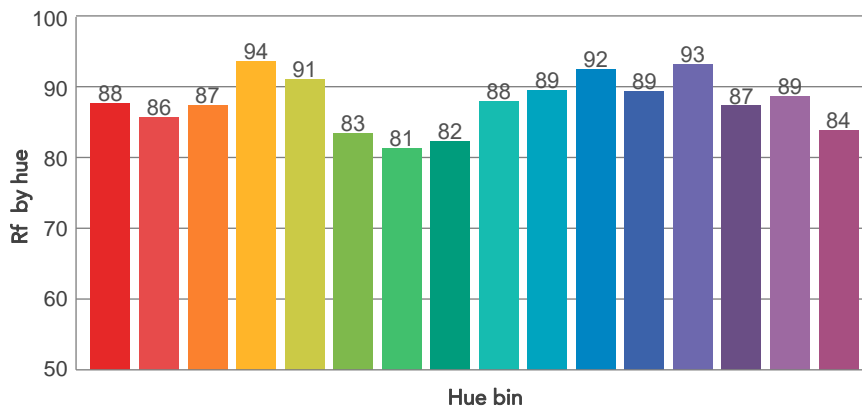
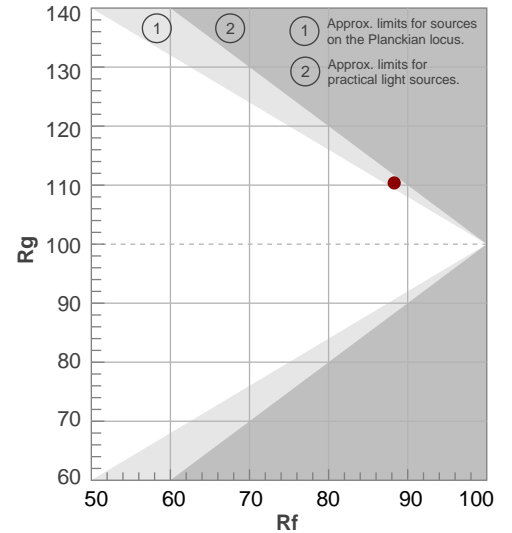
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4001 K	83,9	56,6	88,3	110,4	89,0	68	0,380	0,376	-0,0002

# TM30 DETAILS

**Rf 88,3**  
Fidelity index Rf

**Rg 110,4**  
Gammut index

		Graphic shifts (%)	
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	88	6%	-2%
2	86	6%	-5%
3	87	3%	-4%
4	94	0%	-2%
5	91	2%	3%
6	83	9%	7%
7	81	12%	2%
8	82	10%	-2%
9	88	6%	-5%
10	89	0%	-6%
11	92	2%	1%
12	89	3%	2%
13	93	4%	0%
14	87	3%	9%
15	89	7%	1%
16	84	9%	-3%

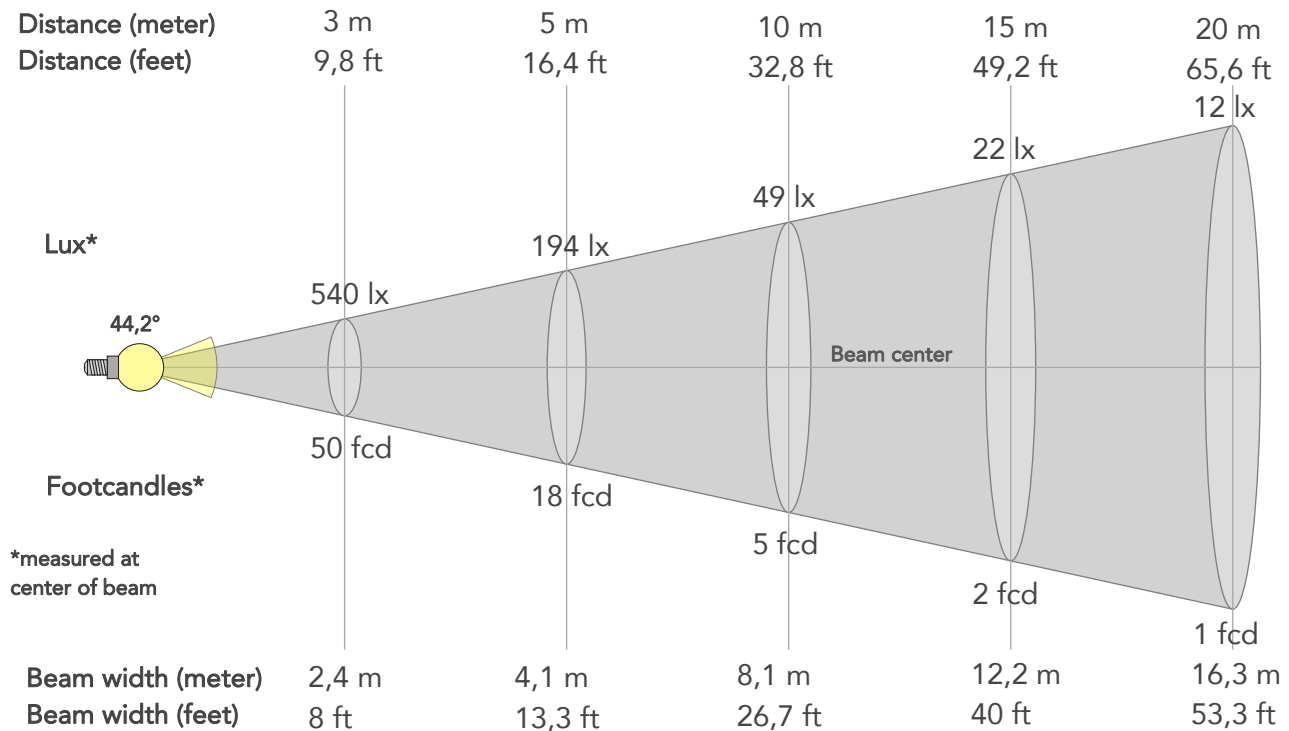




# BEAM DETAILS



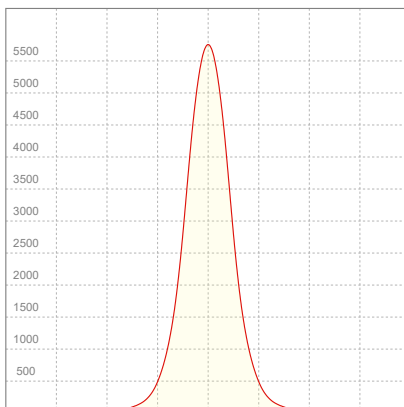
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,2°	86,3°	122°	95,6%	87,1%



## 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	4859lx	1215lx	540lx	304lx	194lx	86lx	49lx	22lx	12lx	8lx	5lx	3lx	2lx
Footcand.	451fcd	113fcd	50fcd	28fcd	18fcd	8fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,3m	4,1m	6,1m	8,1m	12,2m	16,3m	20,3m	24,4m	32,5m	40,6m
Beam wid.	2,7ft	5,4ft	8ft	10,6ft	13,3ft	20ft	26,7ft	40ft	53,3ft	66,7ft	80ft	106,6ft	133,3ft

## LINEAR DISTRIBUTION DIAGRAM

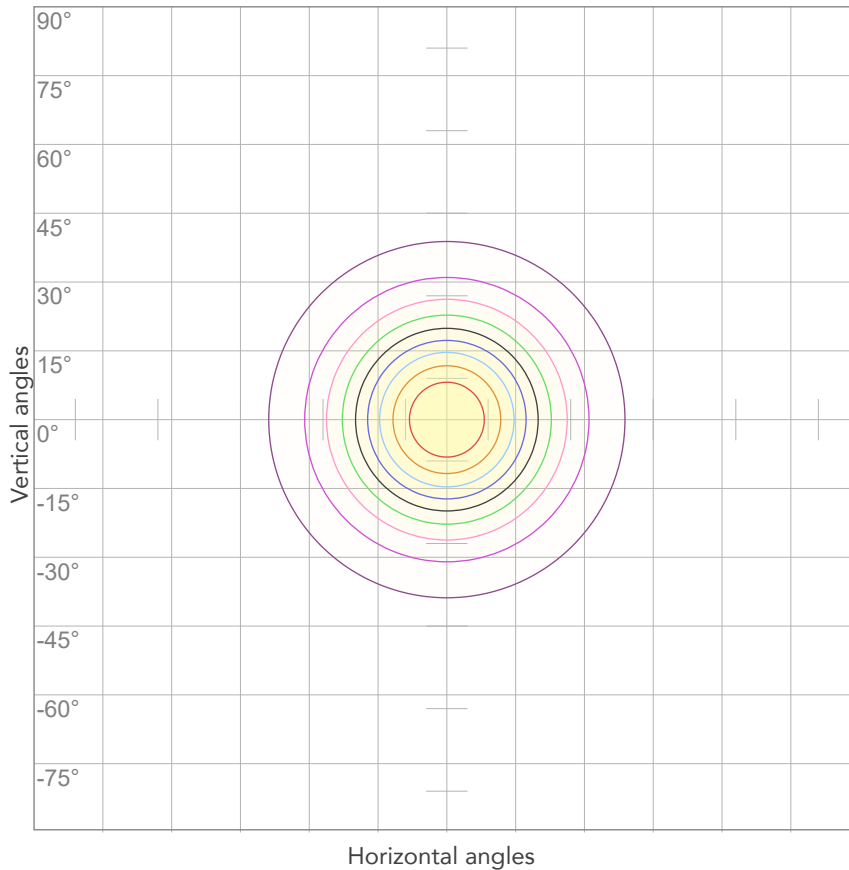


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,380A	79,3W	0,92	45lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



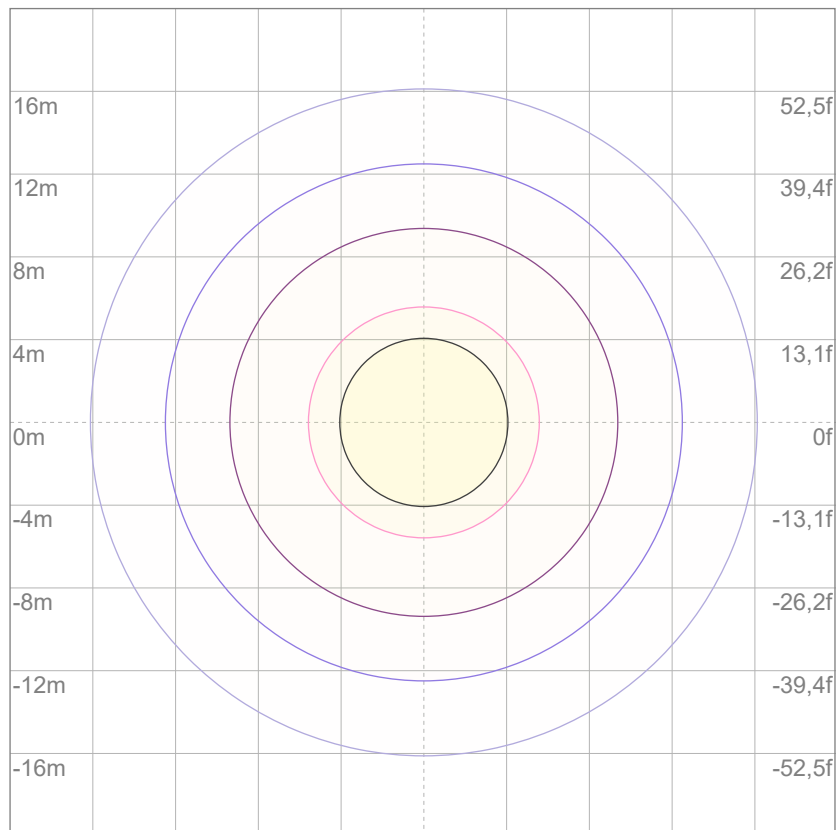
10%	486 cd
20%	972 cd
30%	1458 cd
40%	1944 cd
50%	2430 cd
60%	2915 cd
70%	3401 cd
80%	3887 cd

### Conditions:

Number of c-planes: 2

Candela at center: 4859 cd

## ISO LUX DIAGRAM



3%	1,46 lx
5%	2,43 lx
10%	4,86 lx
30%	14,6 lx
50%	24,3 lx

### Conditions:

Number of c-planes: 2

Lux at center: 48,6 lx

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



Total lumen output:

3478 lm

Peak candela output:

3166 cd

Light quality:

CRI: 84,7

Color temperature:

4057 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 60° Filter

Target:

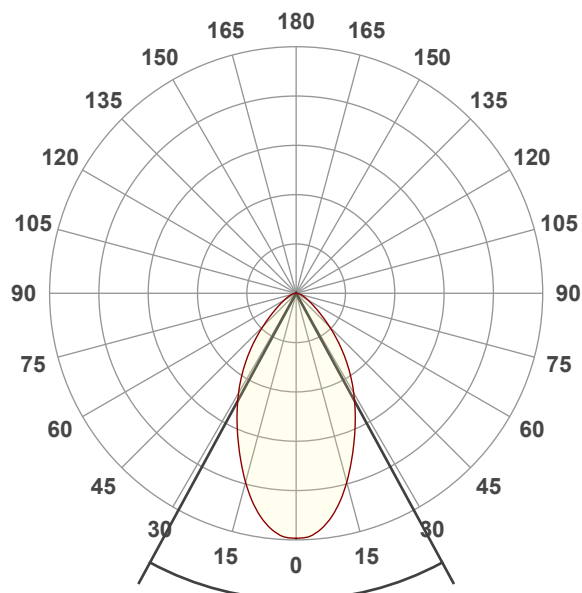
4000K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 11:19:08

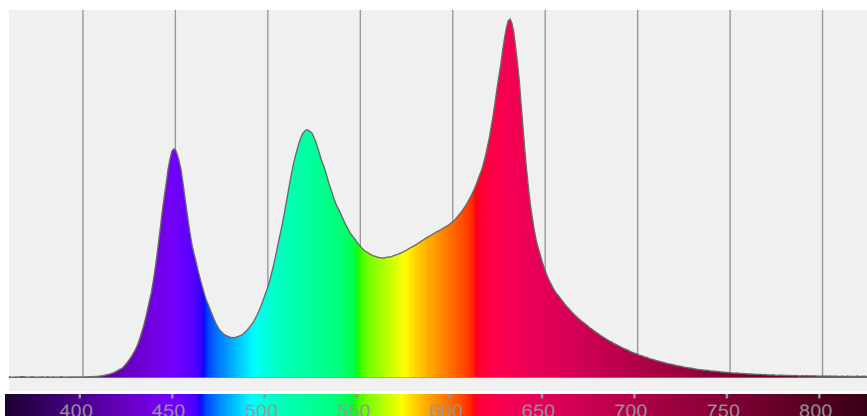


Beam angle 50%: 57°

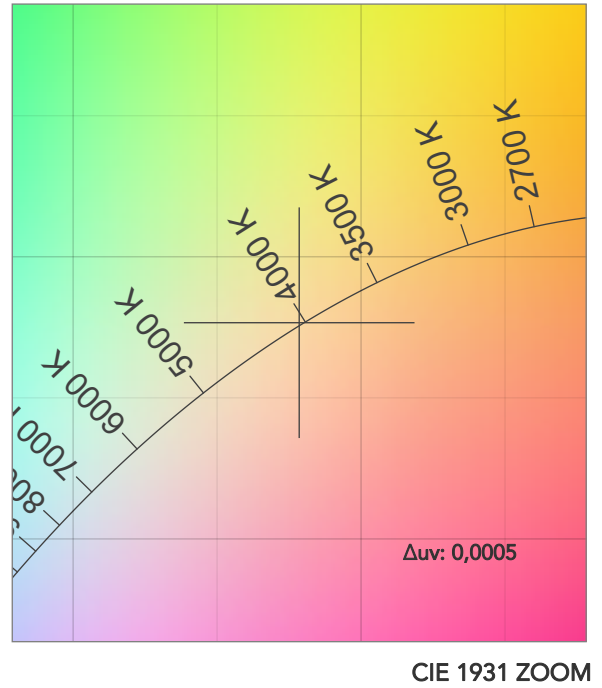
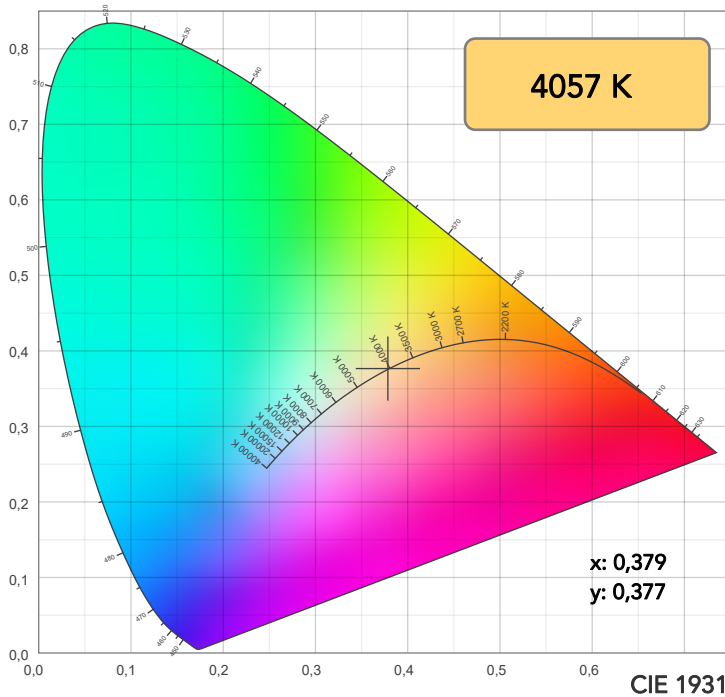
Field angle 10%: 105,8°

Cut off angle 2.5%: 142,3°

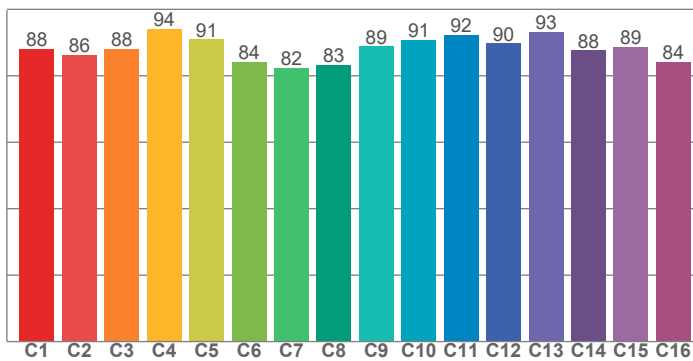
**Spectra**



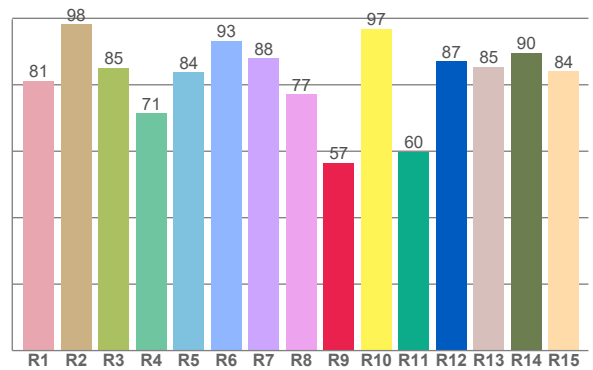
## COLOR DETAILS



**TM30: 88,8**



**CRI: 84,7 (R1-R8)**



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
81,2	98,2	85,1	71,4	83,7	93,2	87,9	77,1	56,6	96,8	59,8	87,0	85,4	89,6	84,2

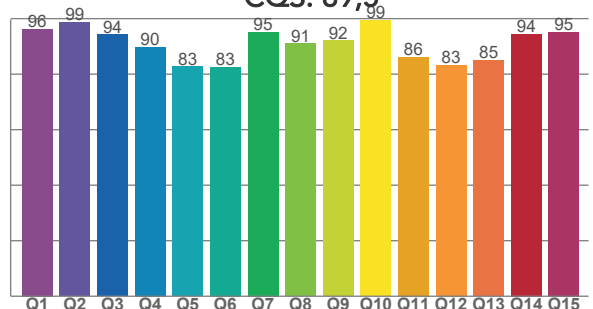
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,1	86,4	88,0	94,0	91,0	84,1	82,3	83,3	88,8	90,9	92,3	89,7	93,2	87,7	88,7	84,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,2	98,7	94,3	89,8	82,8	82,5	95,2	91,0	92,1	99,4	86,3	83,3	85,0	94,5	95,2

**CQS: 89,5**



## COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
4057 K	84,7	56,6	88,8	109,9	89,5	71	0,379	0,377	0,0005

## TM30 DETAILS

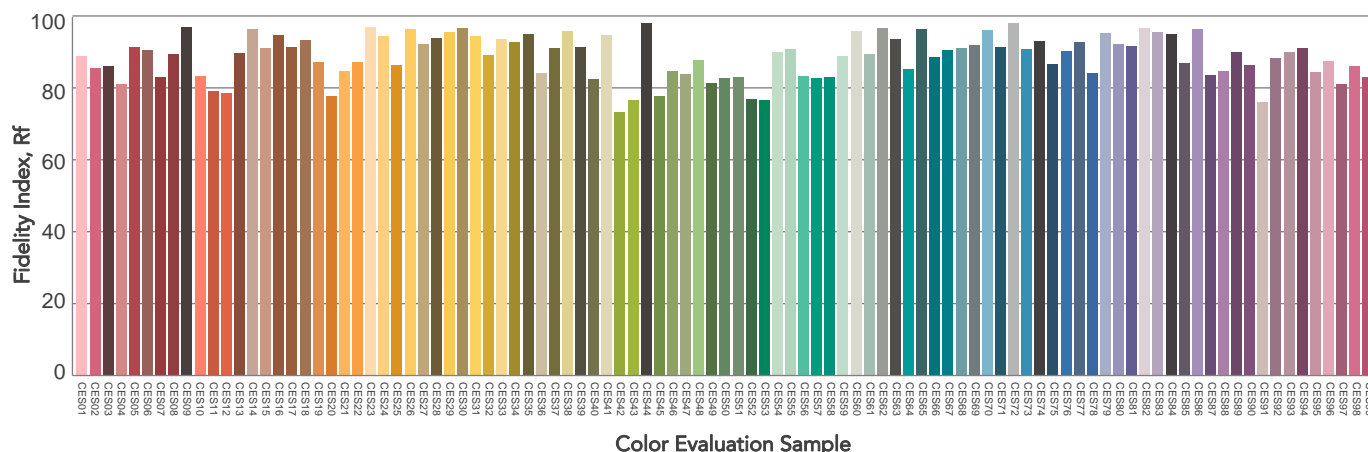
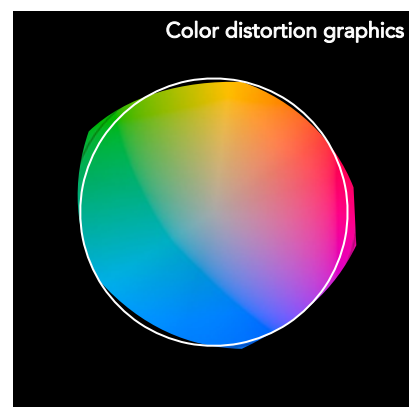
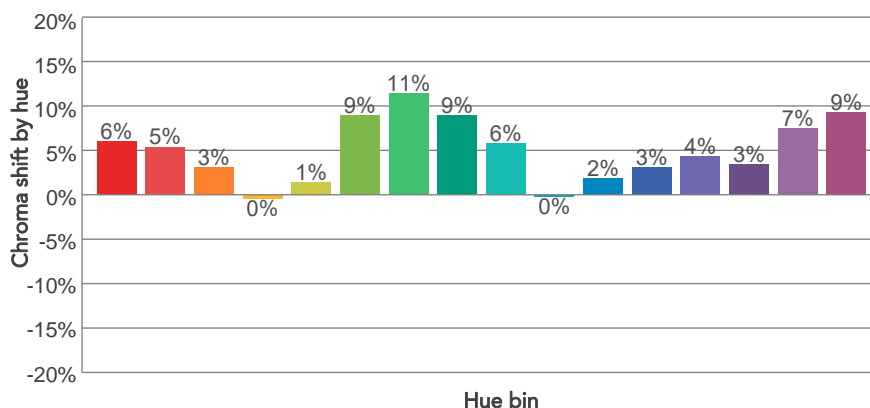
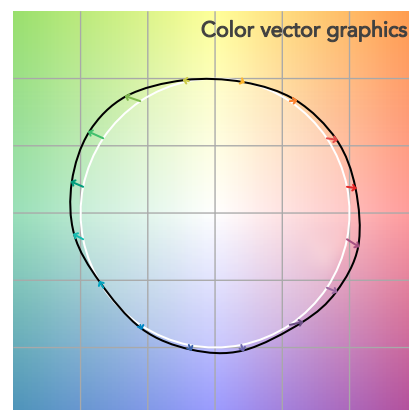
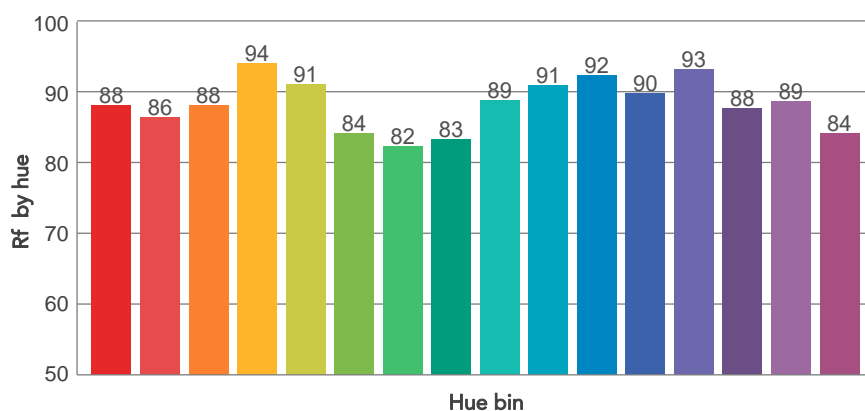
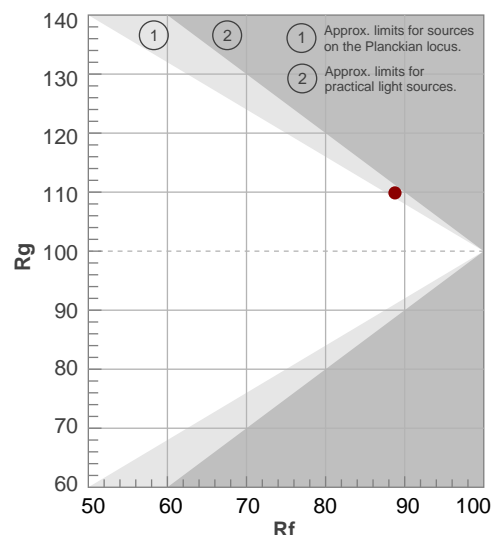
**Rf 88,8**

Fidelity index Rf

**Rg 109,9**

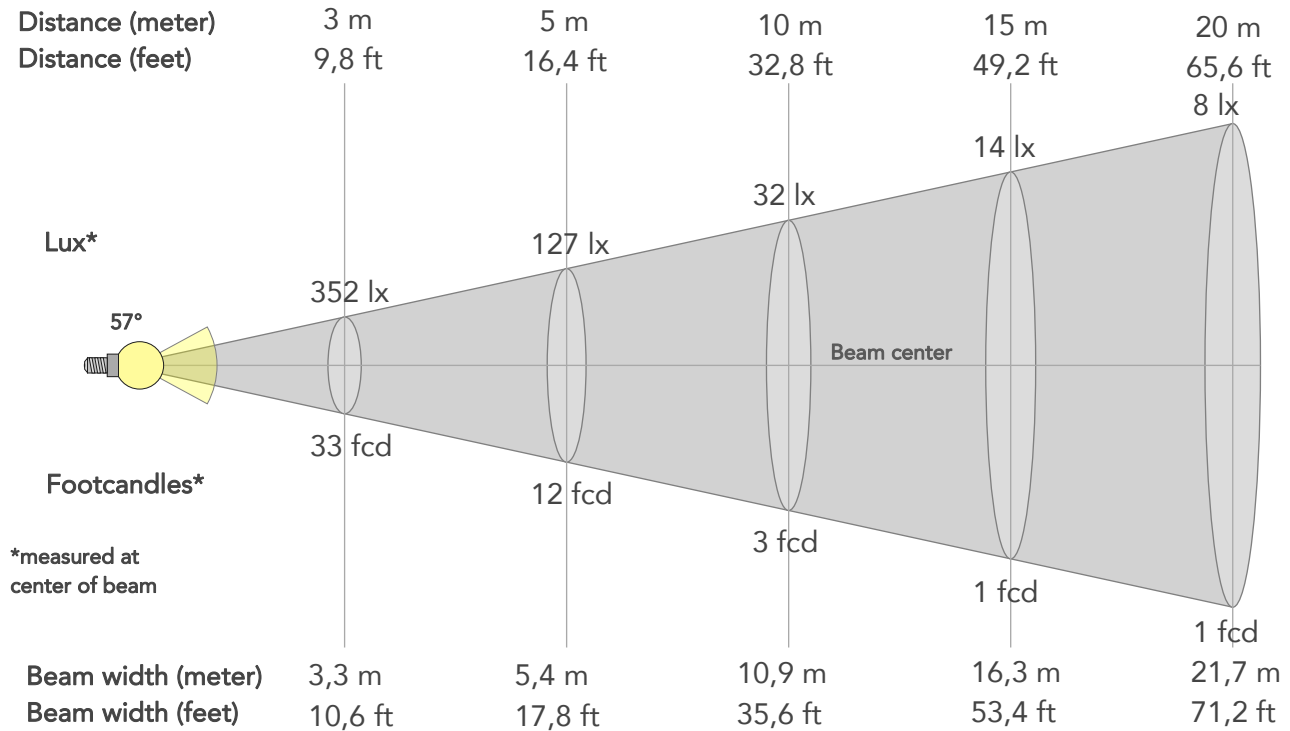
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	88	6%	-2%
2	86	5%	-5%
3	88	3%	-4%
4	94	0%	-2%
5	91	1%	3%
6	84	9%	7%
7	82	11%	2%
8	83	9%	-2%
9	89	6%	-5%
10	91	0%	-5%
11	92	2%	2%
12	90	3%	2%
13	93	4%	1%
14	88	3%	9%
15	89	7%	1%
16	84	9%	-4%



# BEAM DETAILS

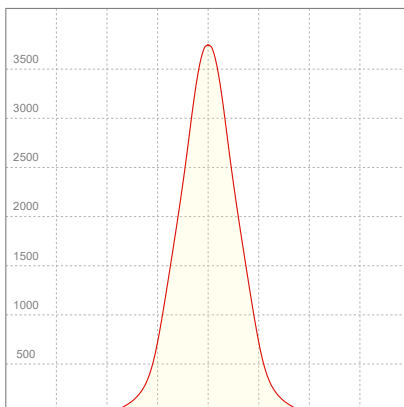
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57°	105,8°	142,3°	94,1%	81,3%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3166lx	792lx	352lx	198lx	127lx	56lx	32lx	14lx	8lx	5lx	4lx	2lx	1lx
Footcand.	294fcd	74fcd	33fcd	18fcd	12fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,3m	5,4m	8,1m	10,9m	16,3m	21,7m	27,1m	32,6m	43,4m	54,3m
Beam wid.	3,6ft	7,2ft	10,6ft	14,2ft	17,8ft	26,7ft	35,6ft	53,4ft	71,2ft	89ft	106,8ft	142,4ft	178ft

## LINEAR DISTRIBUTION DIAGRAM

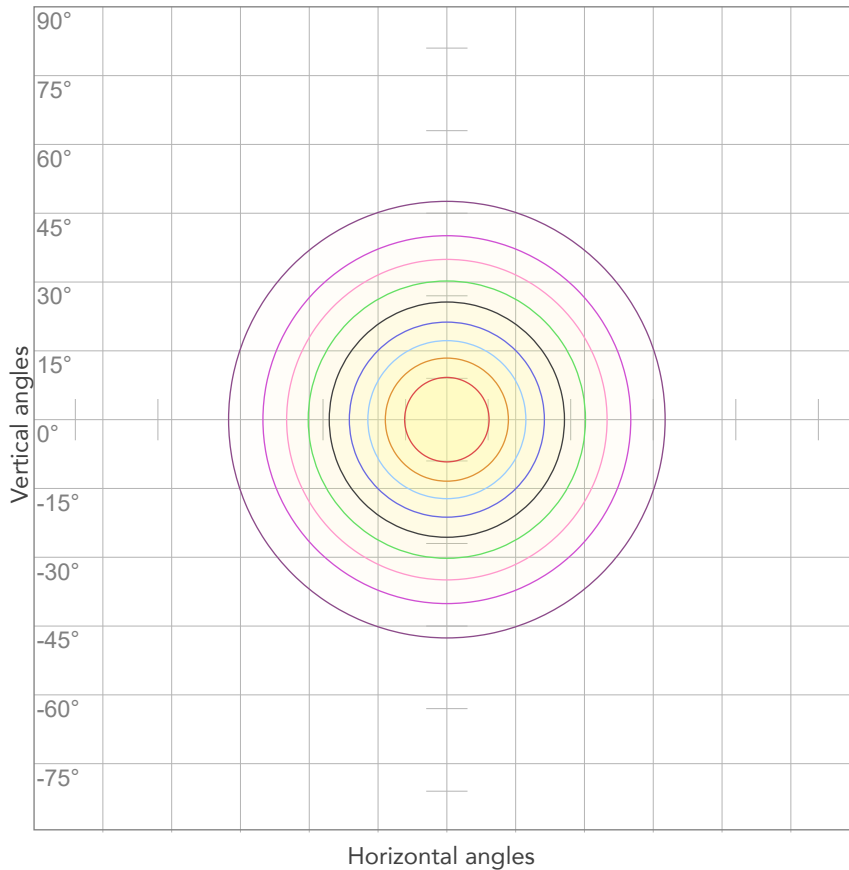


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,376A	78,1W	0,92	45lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



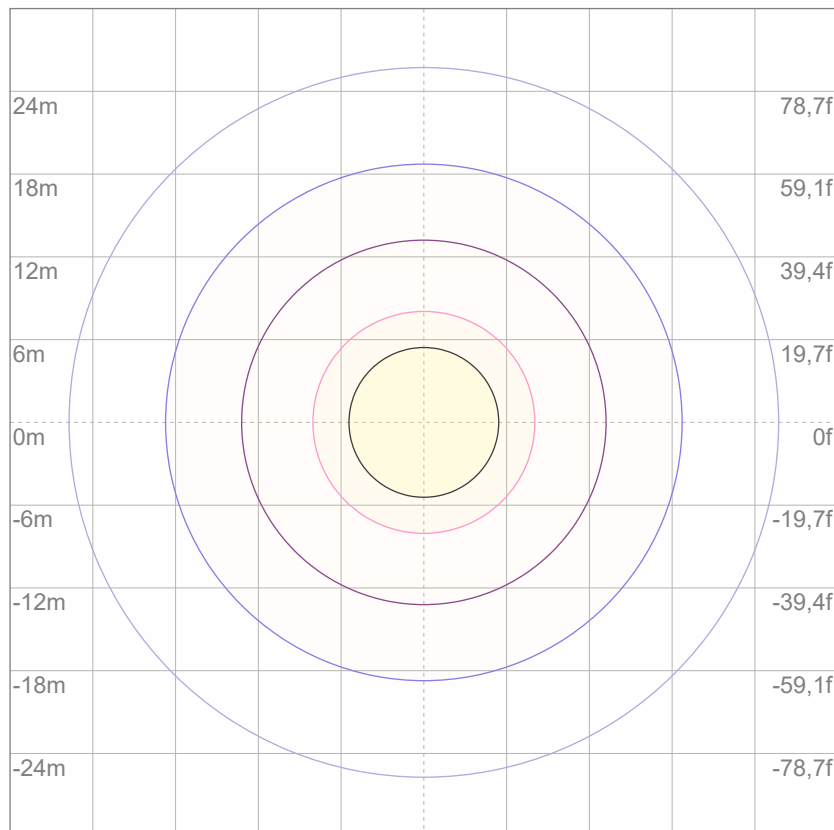
10%	317 cd
20%	633 cd
30%	950 cd
40%	1266 cd
50%	1583 cd
60%	1900 cd
70%	2216 cd
80%	2533 cd

### Conditions:

Number of c-planes: 2

Candela at center: 3166 cd

## ISO LUX DIAGRAM



3%	0,950 lx
5%	1,58 lx
10%	3,17 lx
30%	9,50 lx
50%	15,8 lx

### Conditions:

Number of c-planes: 2

Lux at center: 31,7 lx

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



Total lumen output:

5138 lm

Peak candela output:

10782 cd

Light quality:

CRI: 85,7

Color temperature:

4100 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 10°x 60° Filter

Target:

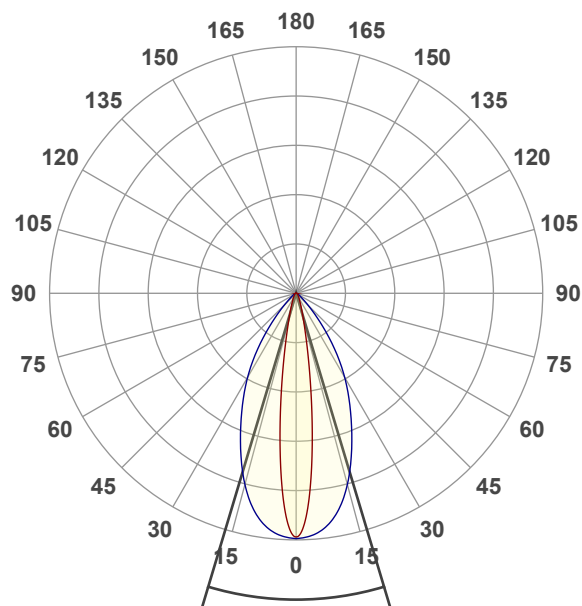
4000K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 11:40:54

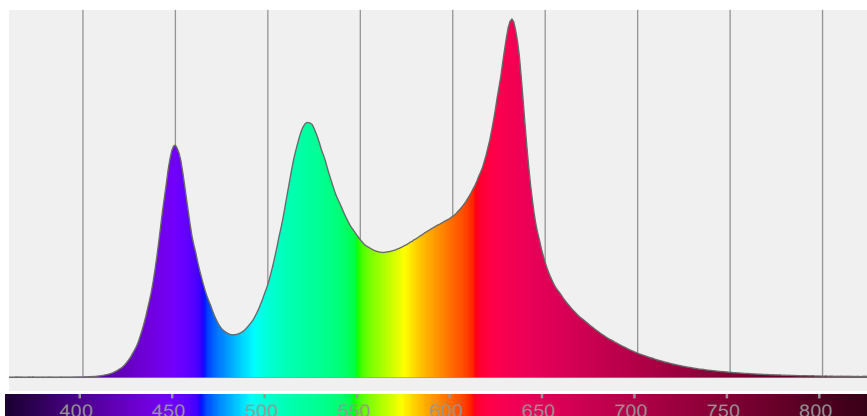


Beam angle 50%: 33,4°

Field angle 10%: 58,8°

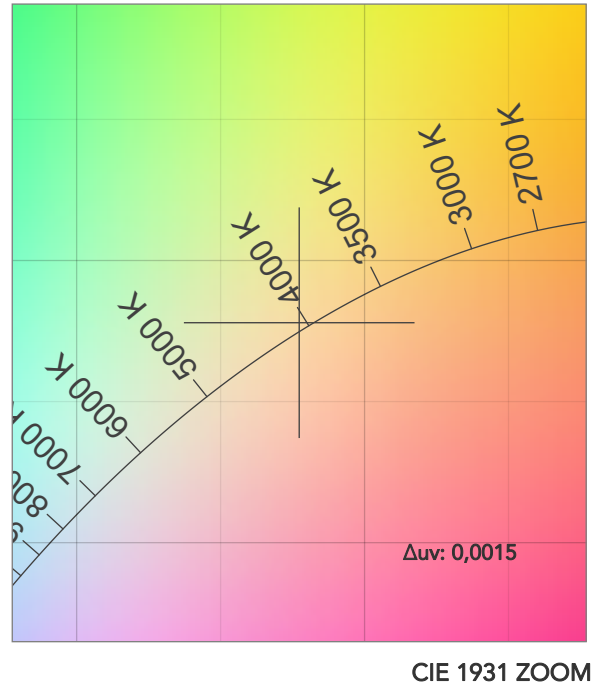
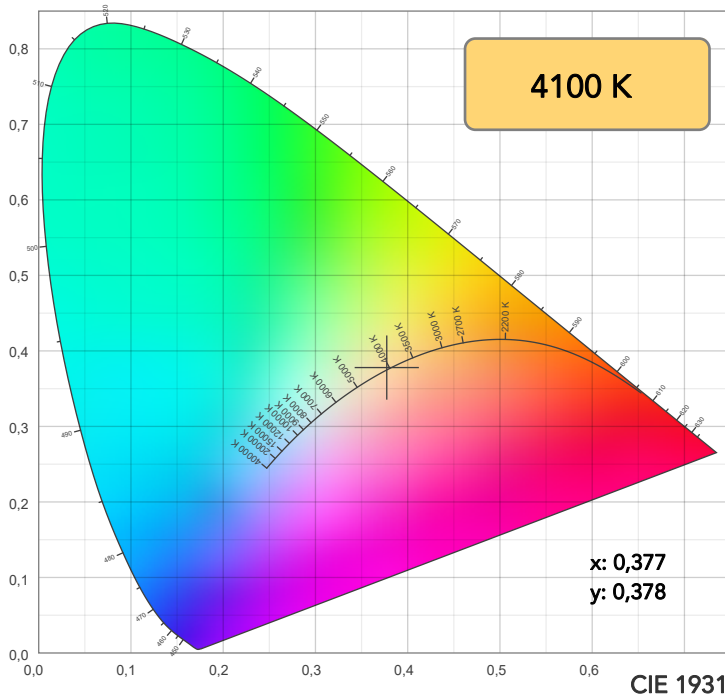
Cut off angle 2.5%: 81,8°

**Spectra**

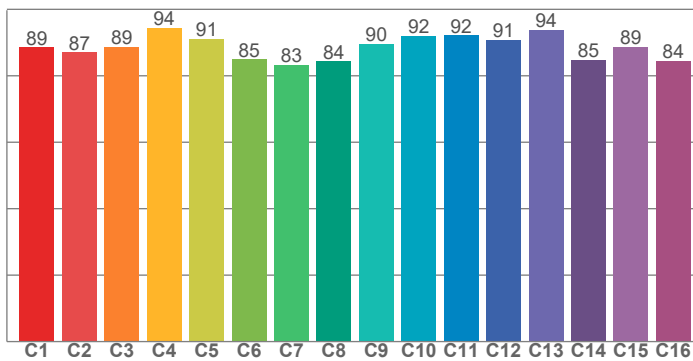




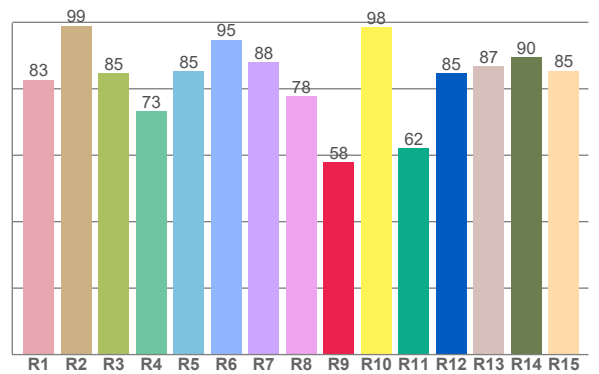
## COLOR DETAILS



TM30: 89,2



CRI: 85,7 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
82,7	99,0	84,7	73,2	85,3	94,8	88,0	77,7	57,9	98,4	62,2	84,7	86,7	89,5	85,4

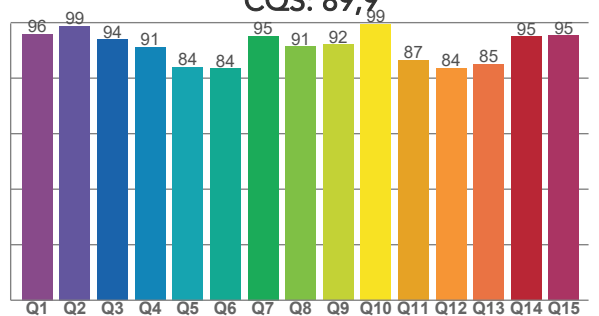
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,5	87,0	88,6	94,4	91,0	85,0	83,4	84,3	89,6	92,1	92,1	90,7	93,8	84,8	88,8	84,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,9	98,7	93,9	91,1	84,1	83,5	95,1	91,4	92,1	99,4	86,6	83,6	85,1	94,9	95,3

CQS: 89,9



## 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
4100 K	85,7	57,9	89,2	109,2	89,9	73	0,377	0,378	0,0015

## TM30 DETAILS

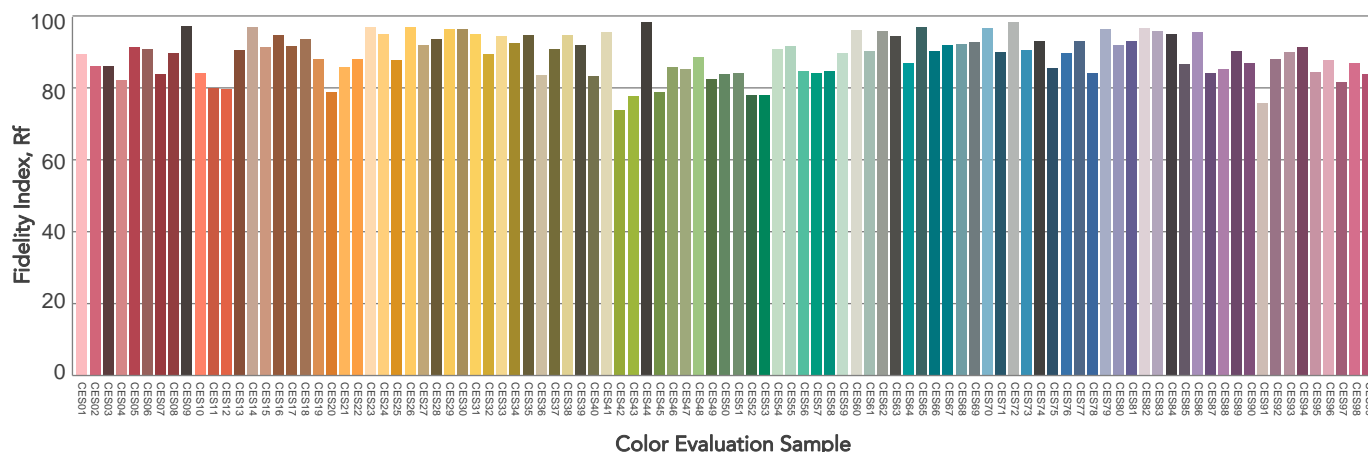
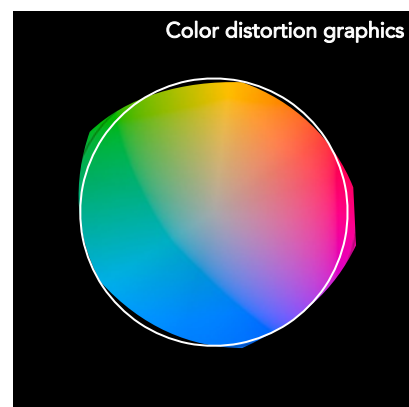
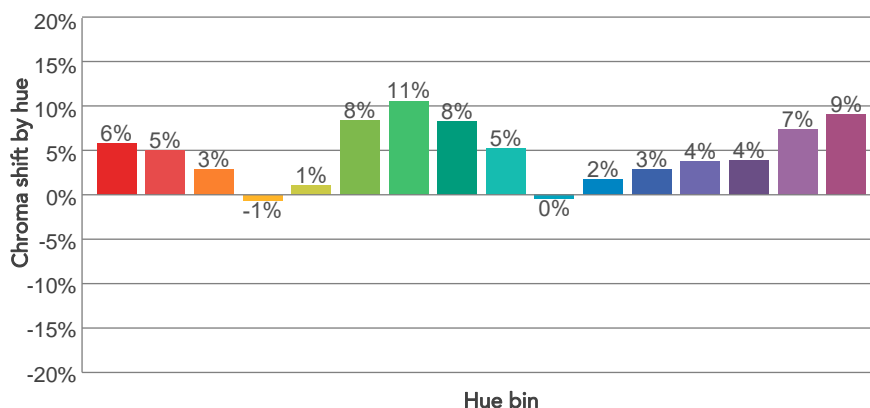
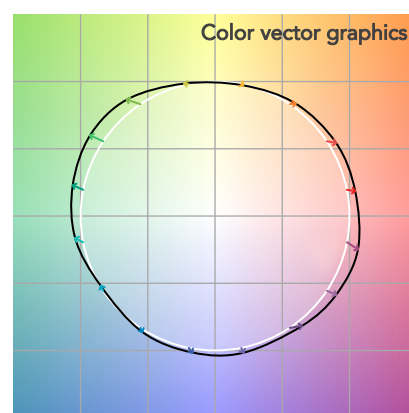
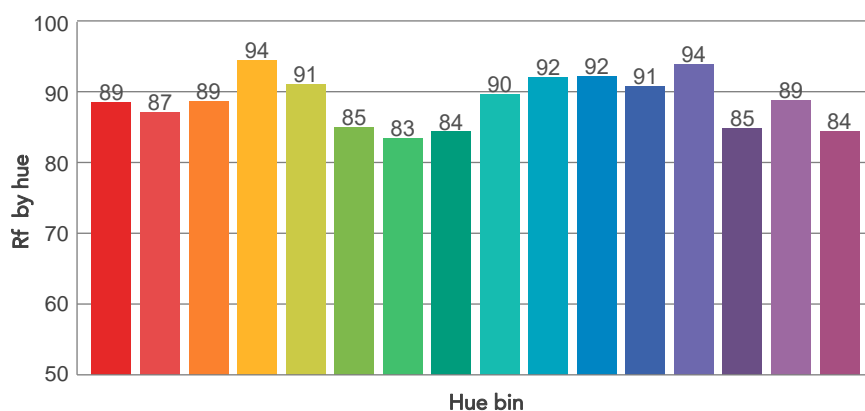
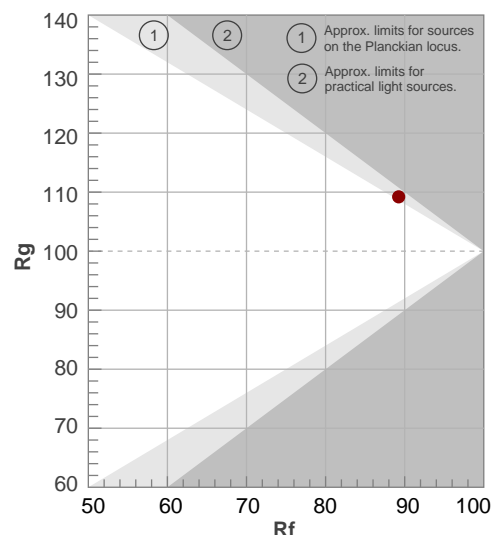
**Rf 89,2**

Fidelity index Rf

**Rg 109,2**

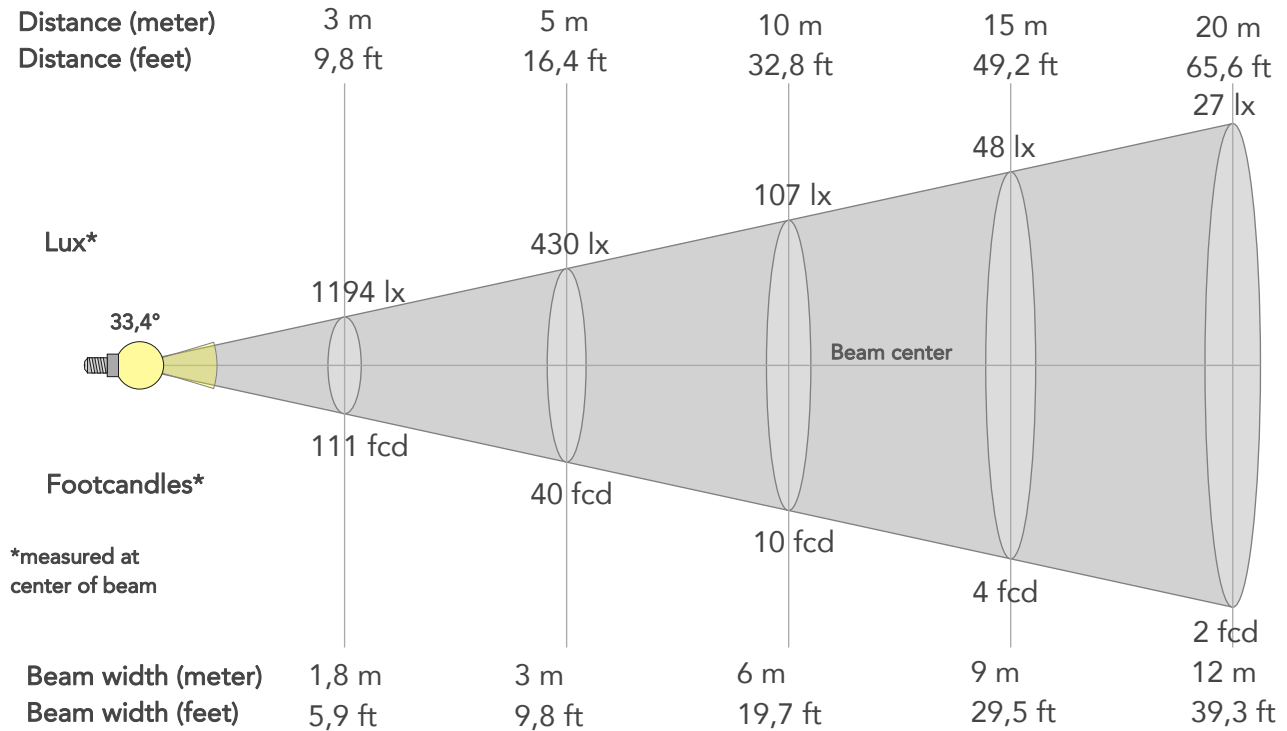
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	89	6%	-2%
2	87	5%	-5%
3	89	3%	-3%
4	94	-1%	-2%
5	91	1%	3%
6	85	8%	7%
7	83	11%	2%
8	84	8%	-2%
9	90	5%	-4%
10	92	0%	-4%
11	92	2%	3%
12	91	3%	3%
13	94	4%	1%
14	85	4%	8%
15	89	7%	1%
16	84	9%	-4%



# BEAM DETAILS

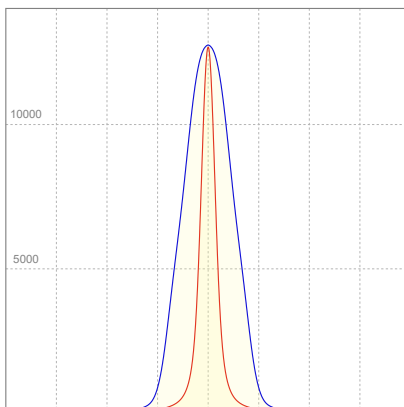
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,4°	58,8°	81,8°	97,4%	92,4%



## 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	10745lx	2686lx	1194lx	672lx	430lx	191lx	107lx	48lx	27lx	17lx	12lx	7lx	4lx
Footcand.	998fcd	250fcd	111fcd	62fcd	40fcd	18fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30m
Beam wid.	2ft	4ft	5,9ft	7,8ft	9,8ft	14,7ft	19,7ft	29,5ft	39,3ft	49,1ft	59ft	78,6ft	98,3ft

## LINEAR DISTRIBUTION DIAGRAM

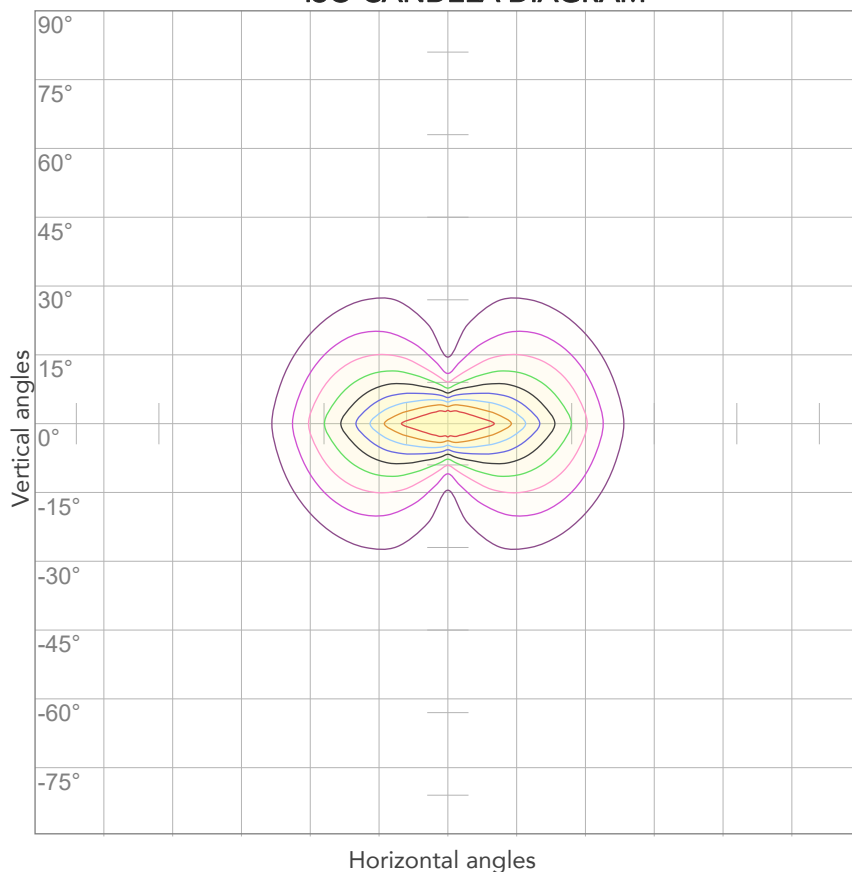


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,373A	77,3W	0,92	66lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



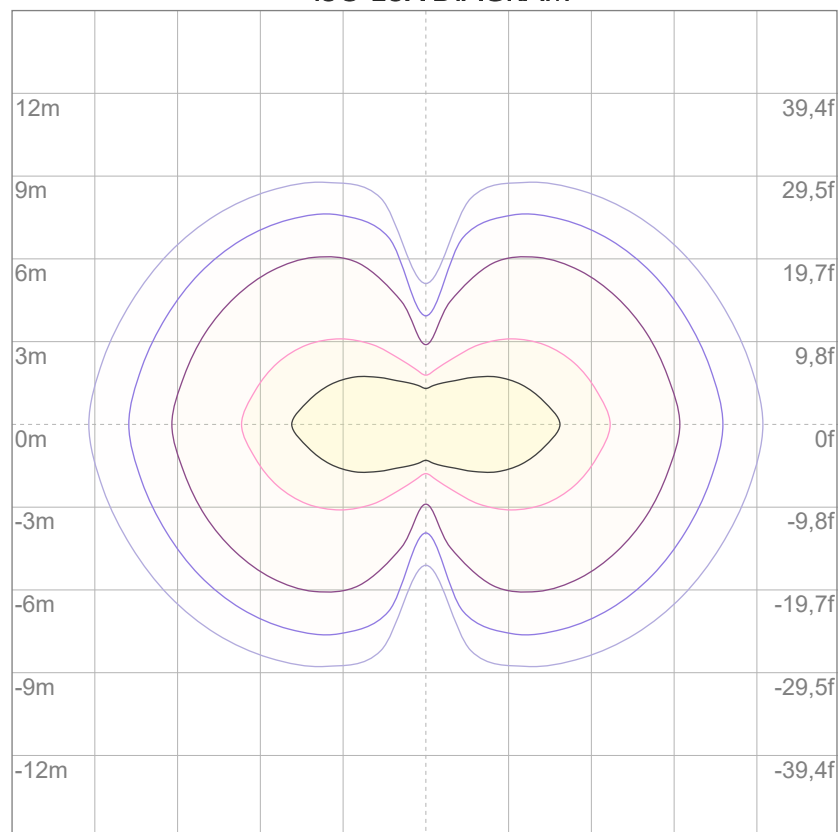
10%	1075 cd
20%	2149 cd
30%	3224 cd
40%	4298 cd
50%	5373 cd
60%	6447 cd
70%	7522 cd
80%	8596 cd

### Conditions:

Number of c-planes: 4

Candela at center: 10745 cd

## ISO LUX DIAGRAM



3%	3,22 lx
5%	5,37 lx
10%	10,7 lx
30%	32,2 lx
50%	53,7 lx

### Conditions:

Number of c-planes: 4

Lux at center: 107 lx

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



Total lumen output:

3836 lm

Peak candela output:

5499 cd

Light quality:

CRI: 85,8

Color temperature:

4107 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 30°x 60° Filter

Target:

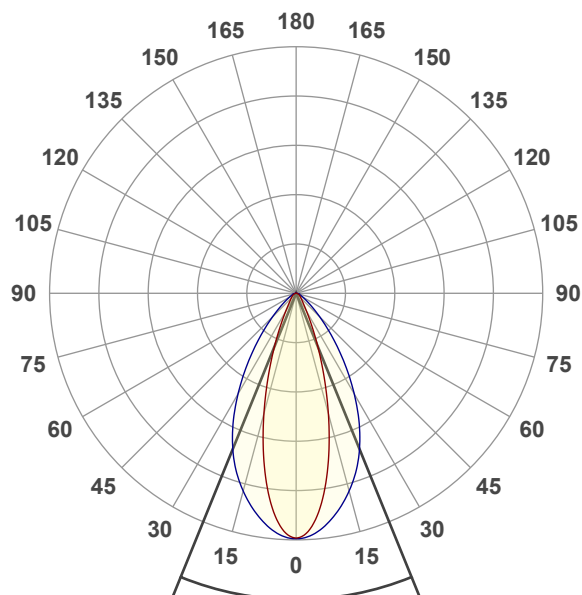
4000K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 12:25:45

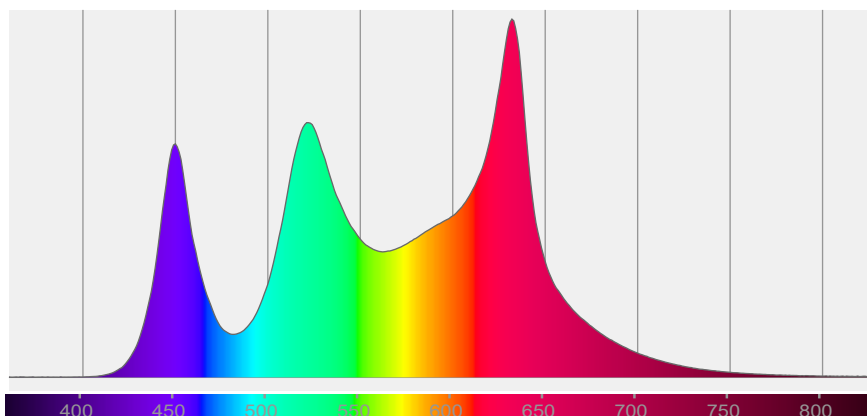


Beam angle 50%: 44,3°

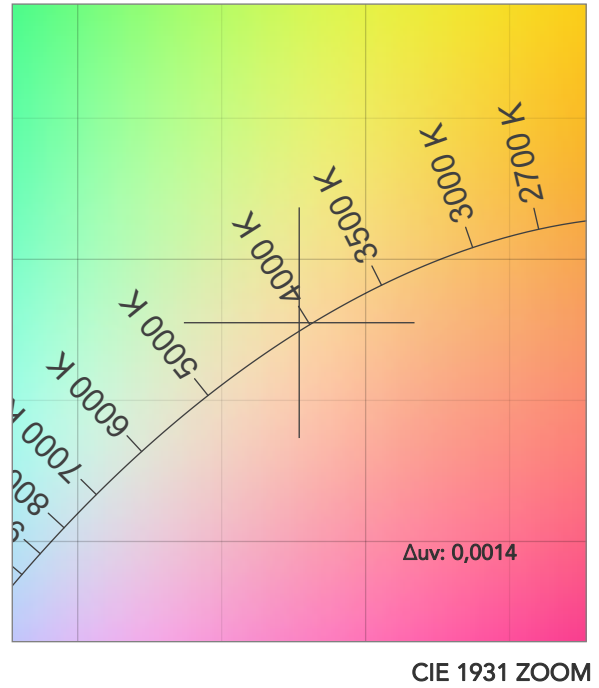
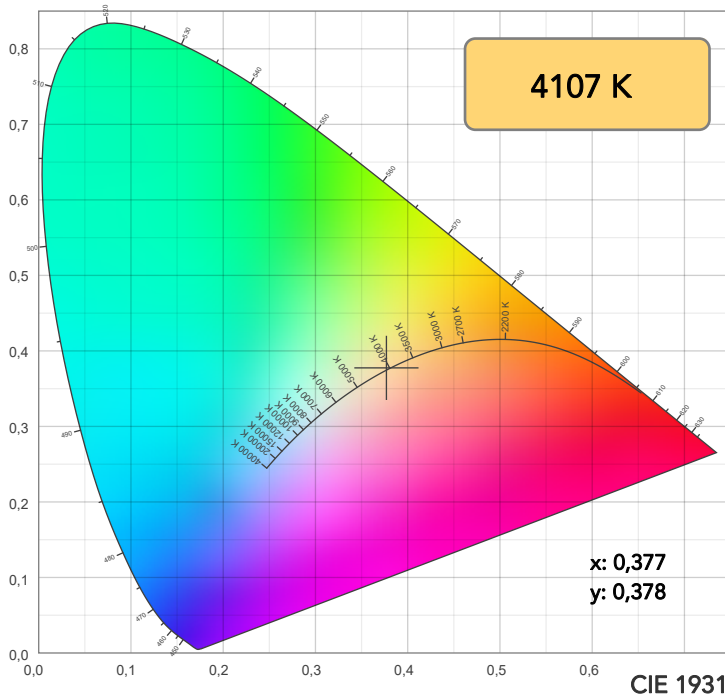
Field angle 10%: 76,8°

Cut off angle 2.5%: 110,8°

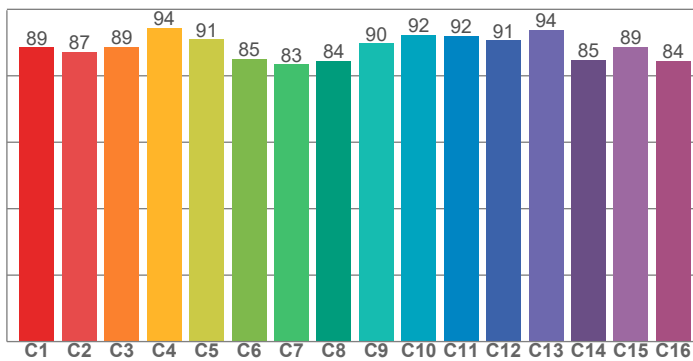
**Spectra**



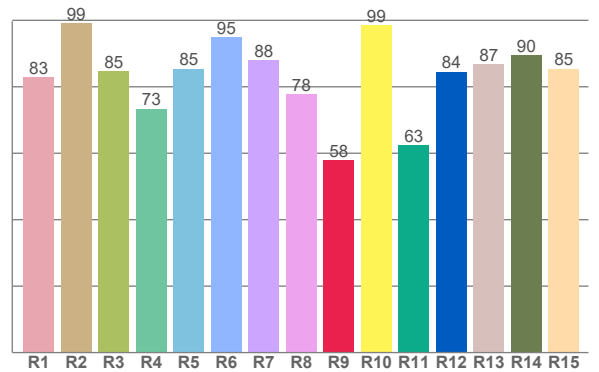
## COLOR DETAILS



TM30: 89,3



CRI: 85,8 (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
82,8	99,0	84,7	73,4	85,4	94,9	88,0	77,8	57,8	98,5	62,5	84,5	86,9	89,5	85,5

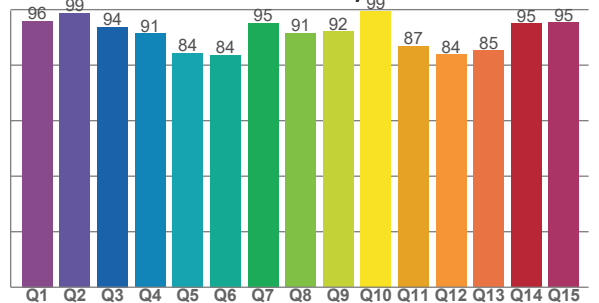
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,6	87,2	88,8	94,5	91,0	85,1	83,5	84,4	89,7	92,3	92,1	90,7	93,8	84,8	88,7	84,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,9	98,7	93,7	91,4	84,3	83,6	95,1	91,5	92,1	99,4	86,9	83,8	85,2	95,0	95,4

CQS: 90,0



## COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4107 K	85,8	57,8	89,3	109,2	90,0	74	0,377	0,378	0,0014

## TM30 DETAILS

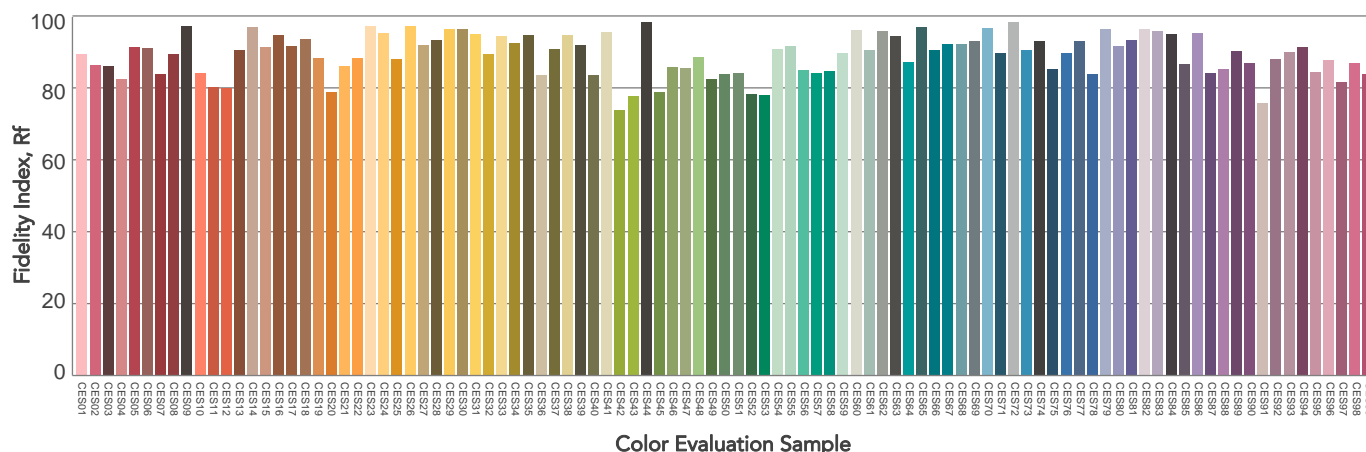
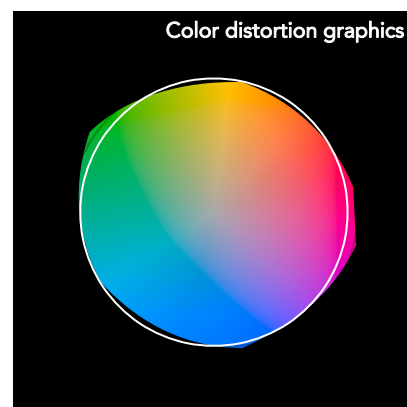
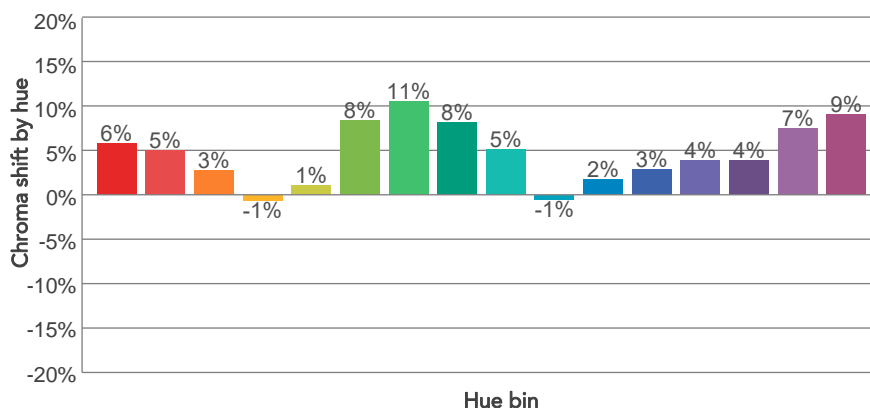
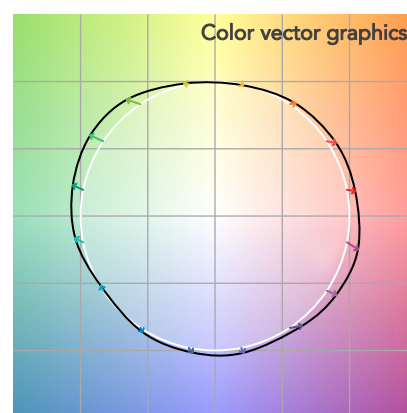
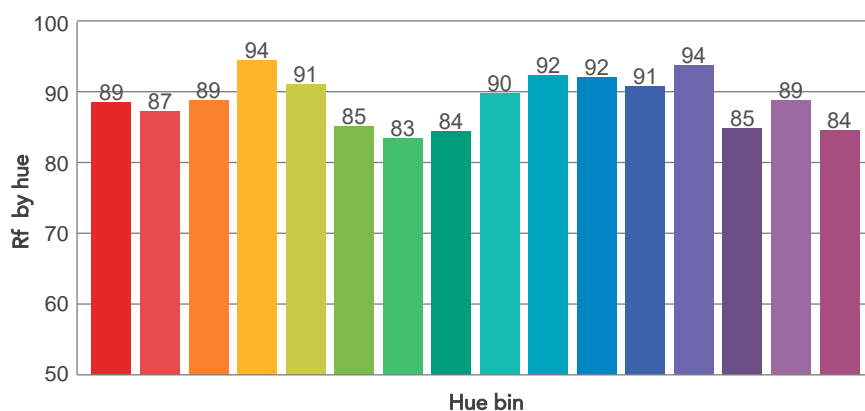
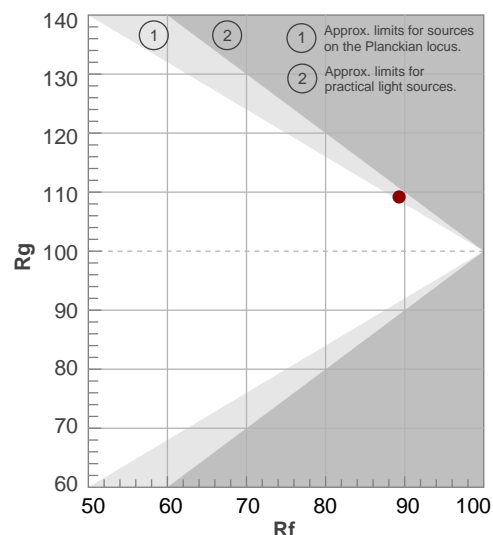
**Rf 89,3**

Fidelity index Rf

**Rg 109,2**

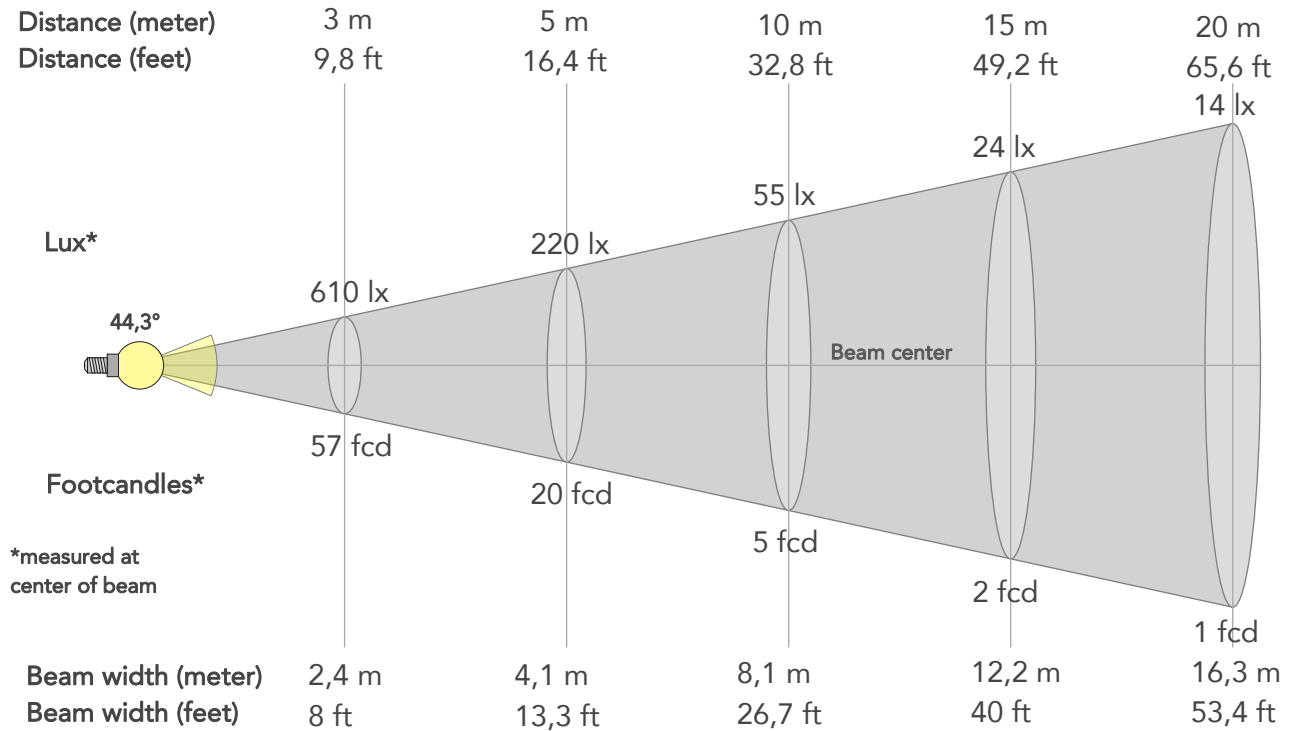
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	89	6%	-2%
2	87	5%	-5%
3	89	3%	-3%
4	94	-1%	-1%
5	91	1%	3%
6	85	8%	6%
7	83	11%	2%
8	84	8%	-2%
9	90	5%	-4%
10	92	-1%	-4%
11	92	2%	3%
12	91	3%	3%
13	94	4%	1%
14	85	4%	8%
15	89	7%	1%
16	84	9%	-4%



# BEAM DETAILS

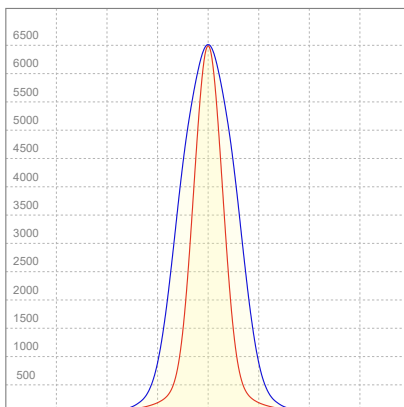
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,3°	76,8°	110,8°	96,0%	87,8%



## 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	5493lx	1373lx	610lx	343lx	220lx	98lx	55lx	24lx	14lx	9lx	6lx	3lx	2lx
Footcand.	510fcd	128fcd	57fcd	32fcd	20fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,3m	4,1m	6,1m	8,1m	12,2m	16,3m	20,3m	24,4m	32,5m	40,7m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,3ft	20ft	26,7ft	40ft	53,4ft	66,7ft	80,1ft	106,8ft	133,4ft

## LINEAR DISTRIBUTION DIAGRAM



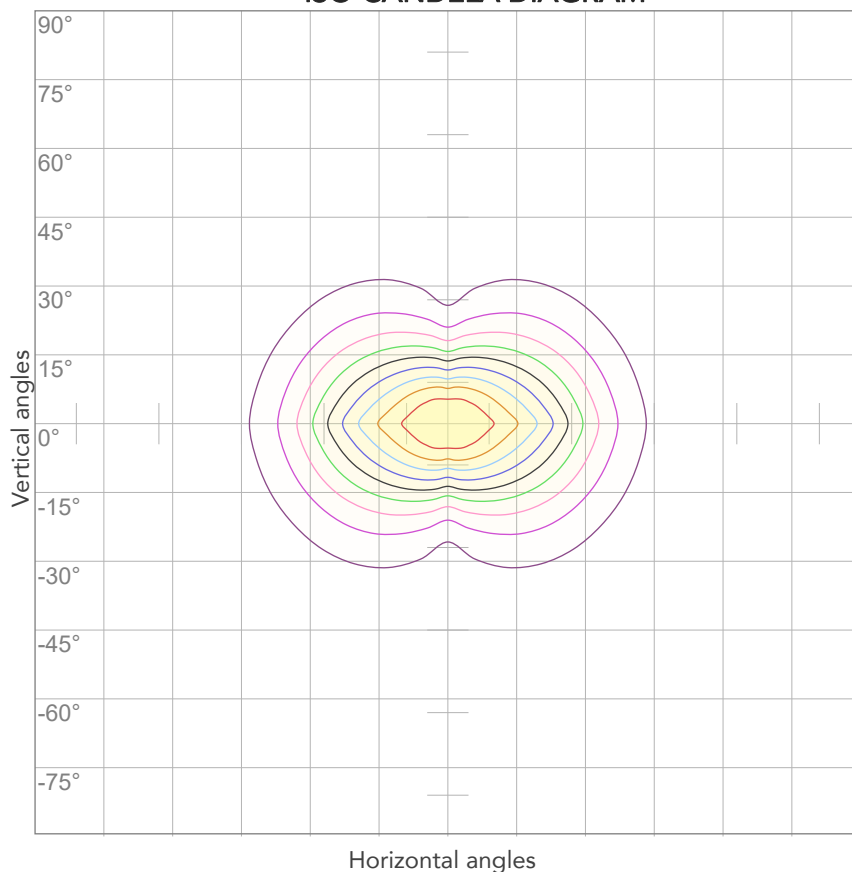
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,369A	77,1W	0,92	50lm/W



# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



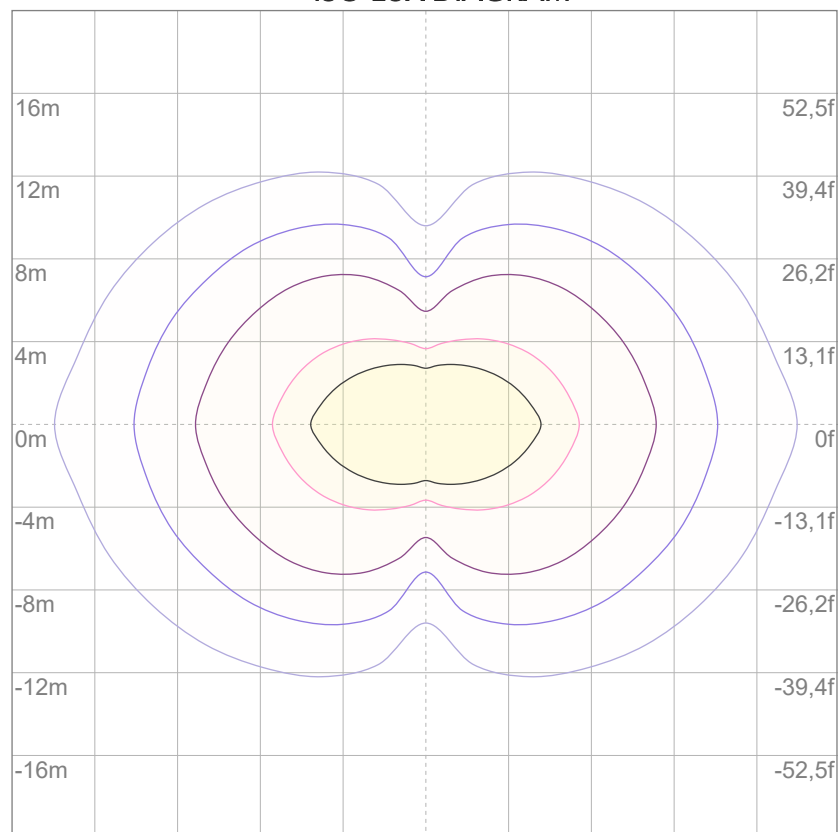
10%	549 cd
20%	1099 cd
30%	1648 cd
40%	2197 cd
50%	2746 cd
60%	3296 cd
70%	3845 cd
80%	4394 cd

### Conditions:

Number of c-planes: 4

Candela at center: 5493 cd

## ISO LUX DIAGRAM



3%	1,65 lx
5%	2,75 lx
10%	5,49 lx
30%	16,5 lx
50%	27,5 lx

### Conditions:

Number of c-planes: 4

Lux at center: 54,9 lx

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



Total lumen output:

4122 lm

Peak candela output:

79502 cd

Light quality:

CRI: 86,3

Color temperature:

5636 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10°

Target:

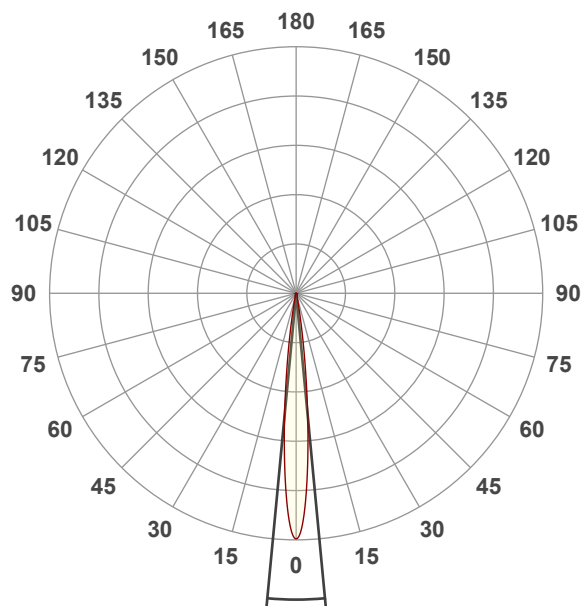
5600K

Operator:

Salvatore Giglio

Date and time:

23/02/2024 17:14:17

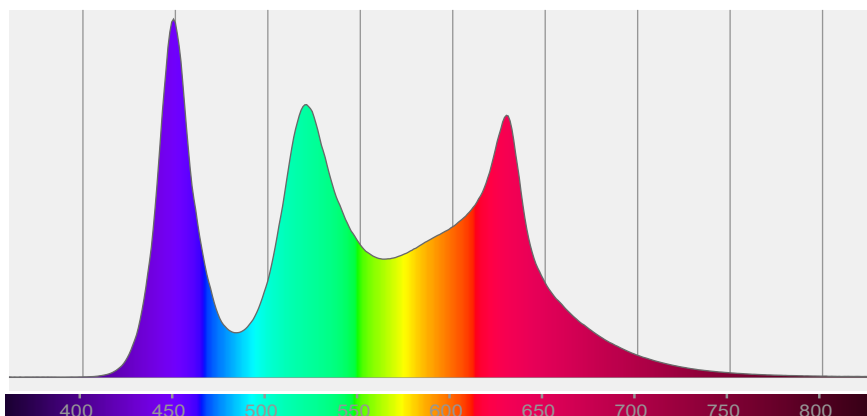


Beam angle 50%: 10,8°

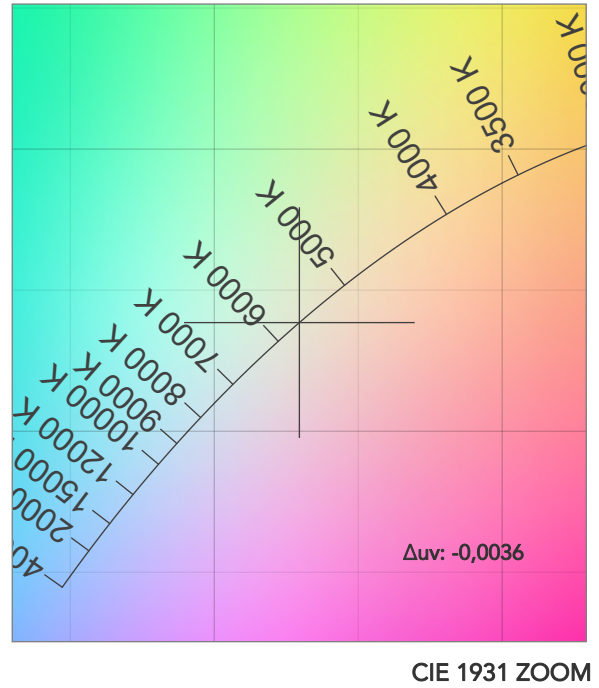
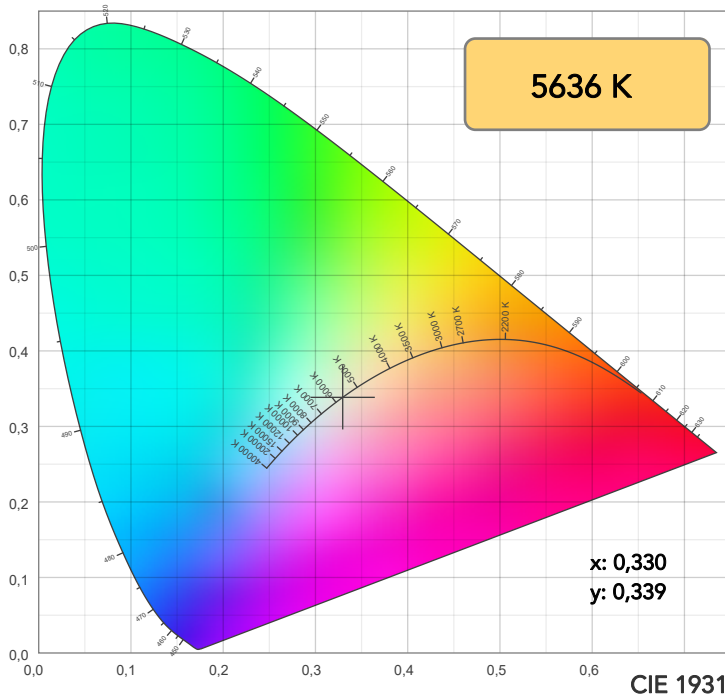
Field angle 10%: 19,4°

Cut off angle 2.5%: 26,2°

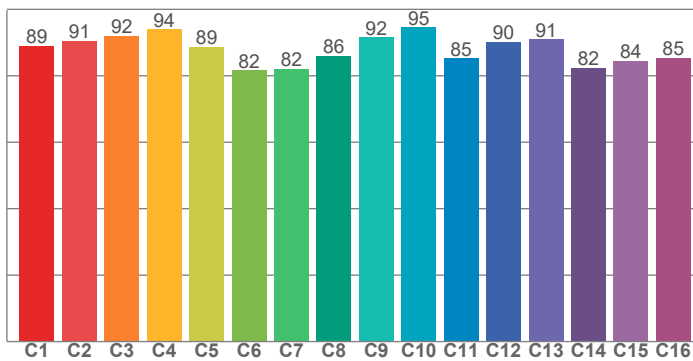
**Spectra**



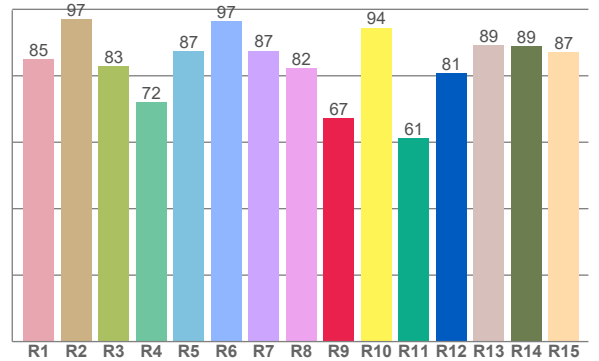
# COLOR DETAILS



TM30: 88,2



CRI: 86,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
85,0	97,1	82,8	72,0	87,5	96,5	87,5	82,3	67,3	94,5	61,1	80,7	89,2	88,8	87,0

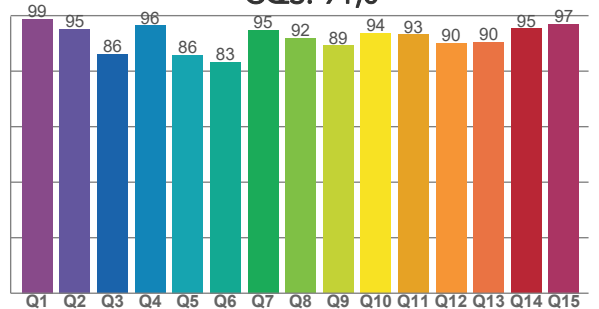
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,9	90,5	92,1	94,0	88,7	81,6	82,1	86,1	91,6	94,5	85,3	90,1	90,9	82,4	84,5	85,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,8	95,1	86,1	96,5	85,8	83,3	94,9	91,8	89,2	93,7	93,2	90,1	90,4	95,4	97,1

CQS: 91,0



## 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	$\Delta uv$
5636 K	86,3	67,3	88,2	110,9	91,0	78	0,330	0,339	-0,0036

## TM30 DETAILS

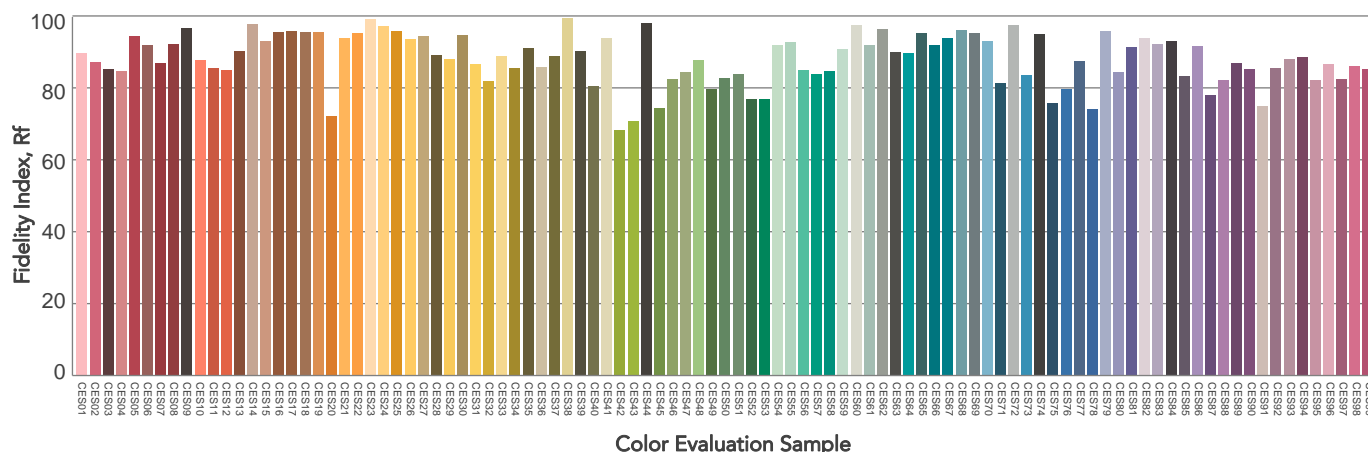
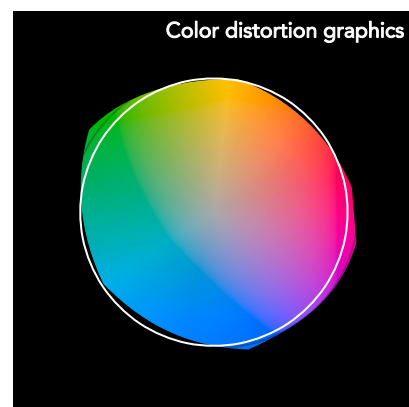
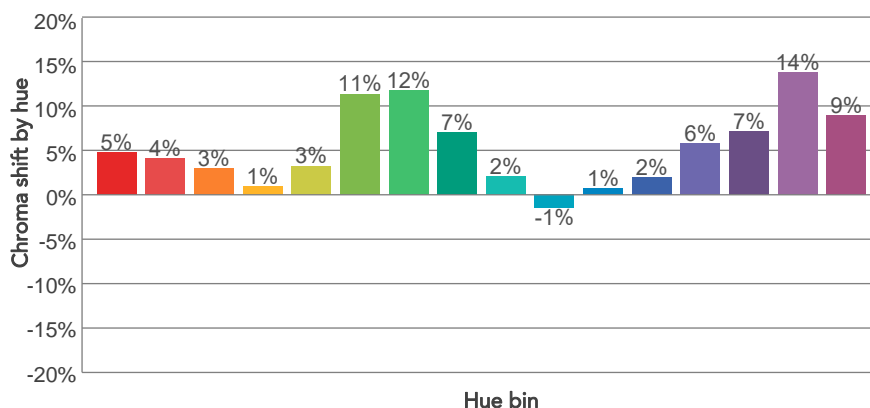
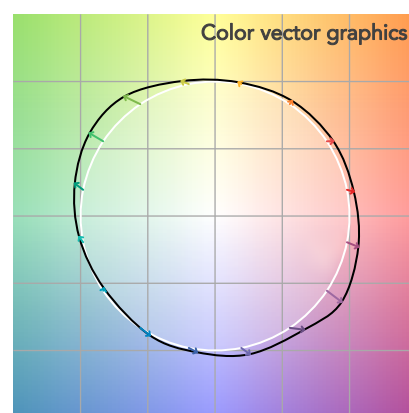
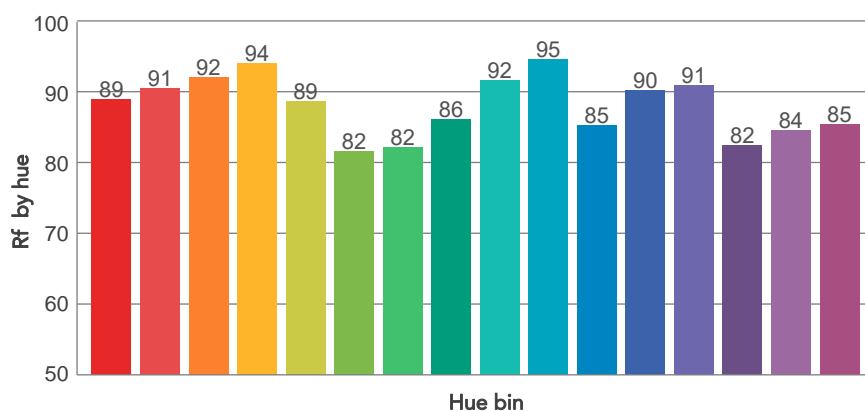
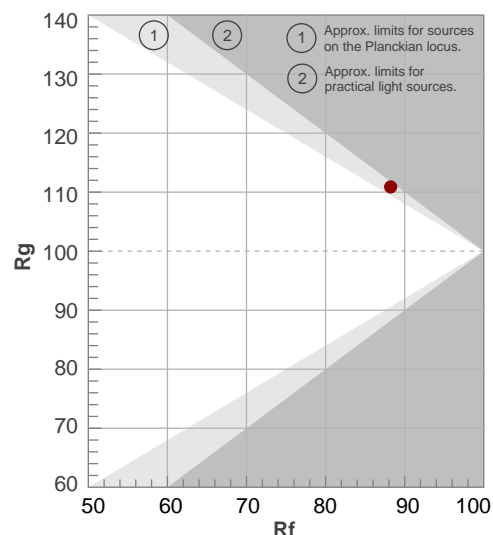
**Rf 88,2**

Fidelity index Rf

**Rg 110,9**

Gammut index

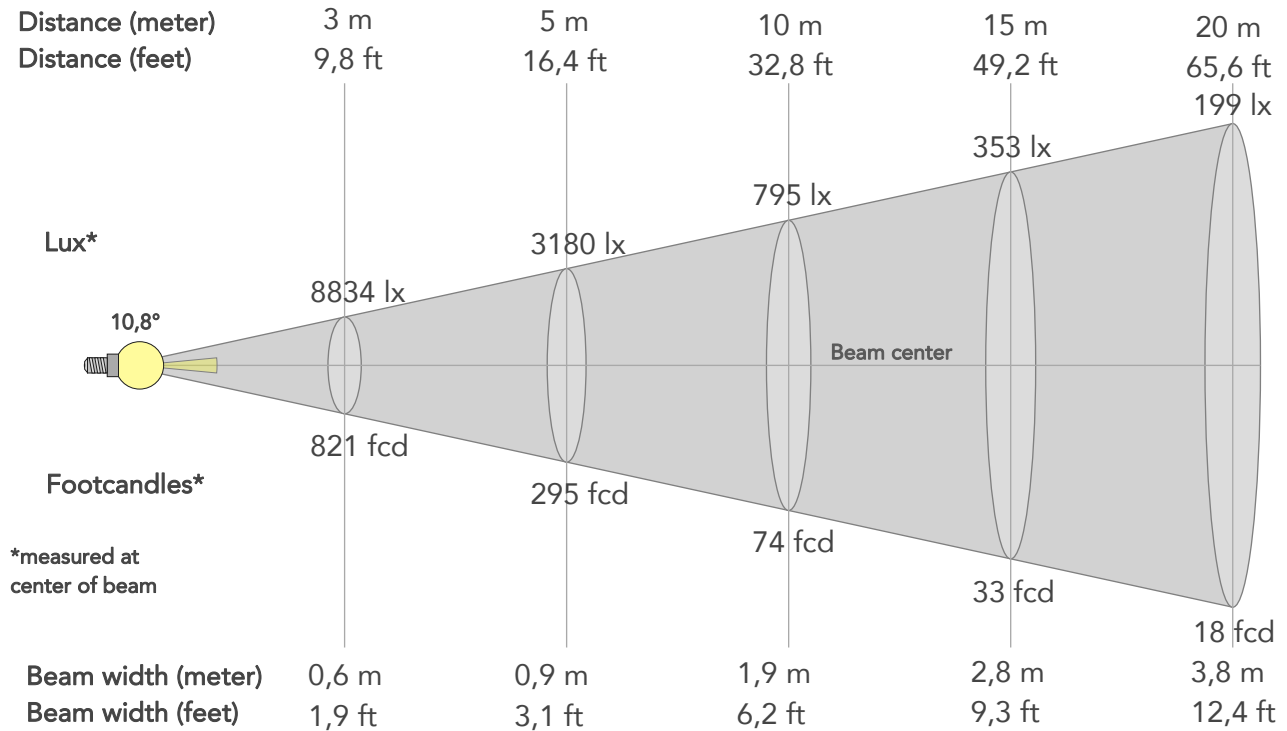
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	89	5%	-2%
2	91	4%	-3%
3	92	3%	0%
4	94	1%	2%
5	89	3%	5%
6	82	11%	7%
7	82	12%	1%
8	86	7%	-3%
9	92	2%	-5%
10	95	-1%	-1%
11	85	1%	9%
12	90	2%	7%
13	91	6%	5%
14	82	7%	8%
15	84	14%	-1%
16	85	9%	-2%



# BEAM DETAILS



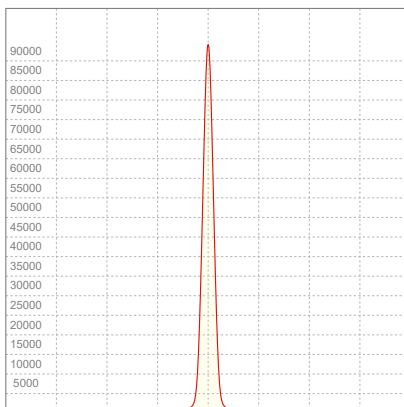
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,8°	19,4°	26,2°	97,0%	93,8%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	79502lx	19876lx	8834lx	4969lx	3180lx	1413lx	795lx	353lx	199lx	127lx	88lx	50lx	32lx
Footcand.	7386fcd	1847fcd	821fcd	462fcd	295fcd	131fcd	74fcd	33fcd	18fcd	12fcd	8fcd	5fcd	3fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	0,9m	1,4m	1,9m	2,8m	3,8m	4,7m	5,7m	7,6m	9,5m
Beam wid.	0,6ft	1,2ft	1,9ft	2,5ft	3,1ft	4,7ft	6,2ft	9,3ft	12,4ft	15,5ft	18,6ft	24,8ft	31ft

## LINEAR DISTRIBUTION DIAGRAM

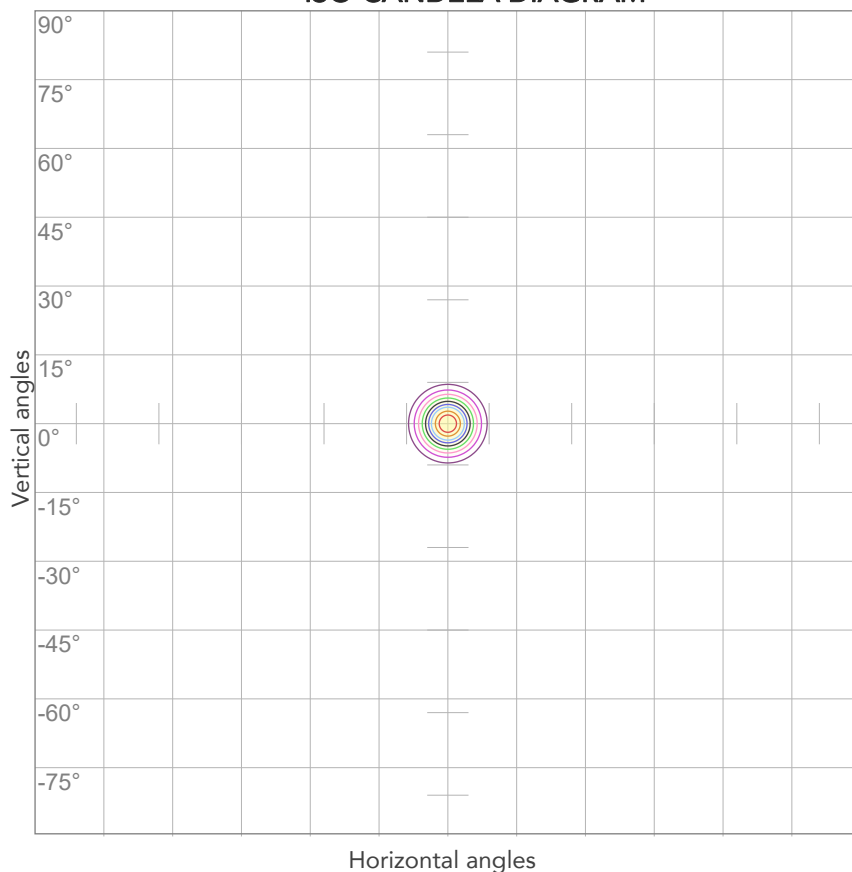


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,384A	79,8W	0,92	52lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



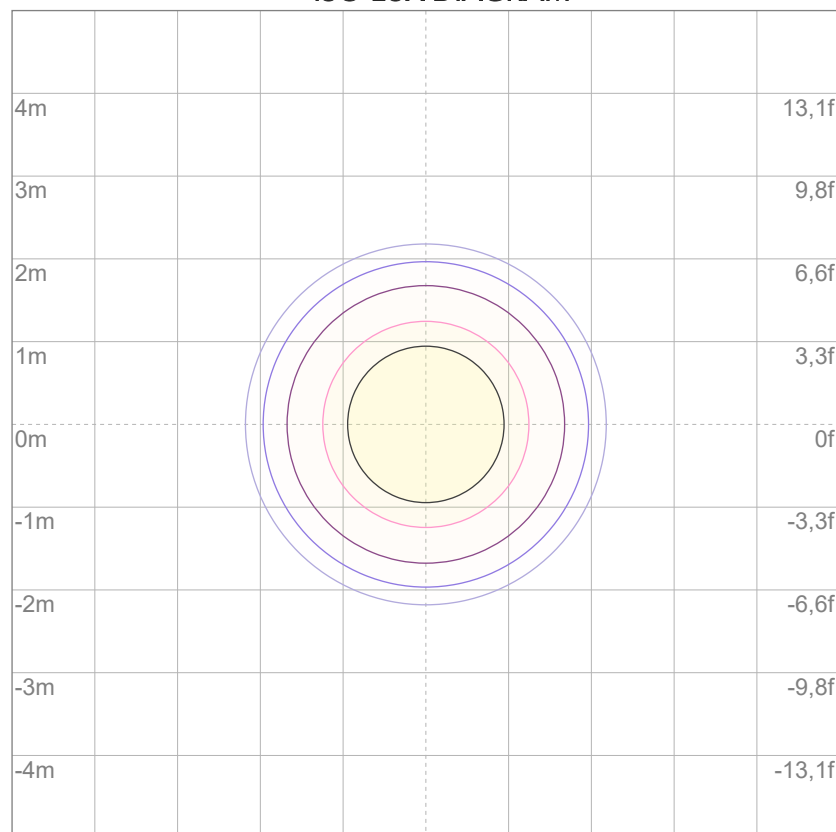
10%	7950 cd
20%	15900 cd
30%	23851 cd
40%	31801 cd
50%	39751 cd
60%	47701 cd
70%	55652 cd
80%	63602 cd

### Conditions:

Number of c-planes: 2

Candela at center: 79502 cd

## ISO LUX DIAGRAM



3%	23,9 lx
5%	39,8 lx
10%	79,5 lx
30%	239 lx
50%	398 lx

### Conditions:

Number of c-planes: 2

Lux at center: 795 lx

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



Total lumen output:

3673 lm

Peak candela output:

14748 cd

Light quality:

CRI: 87,3

Color temperature:

5471 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 20° Filter

Target:

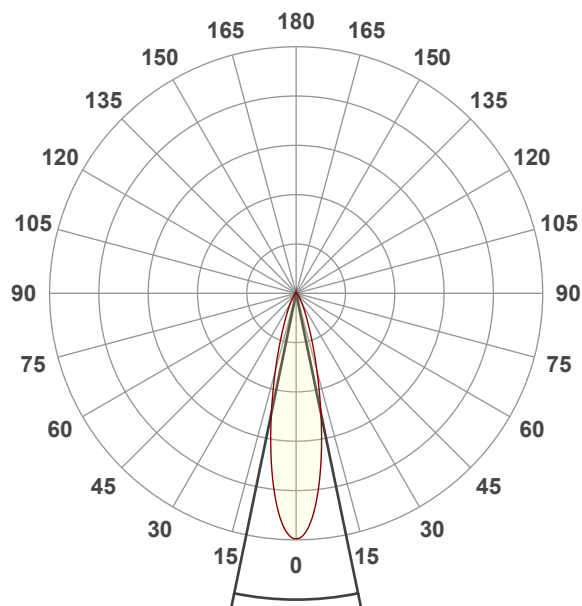
5600K

Operator:

Salvatore Giglio

Date and time:

23/02/2024 17:35:50

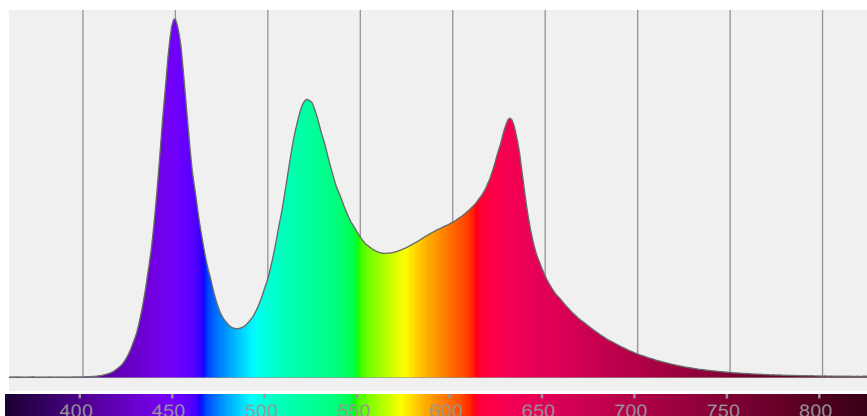


Beam angle 50%: 23,3°

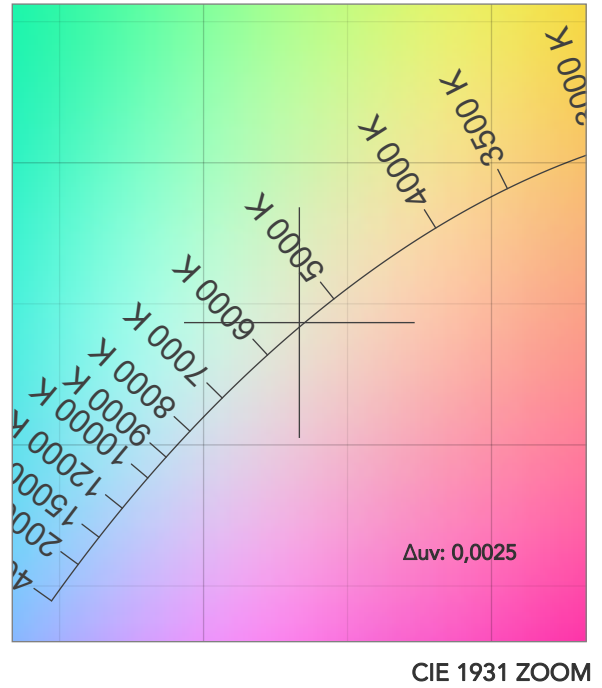
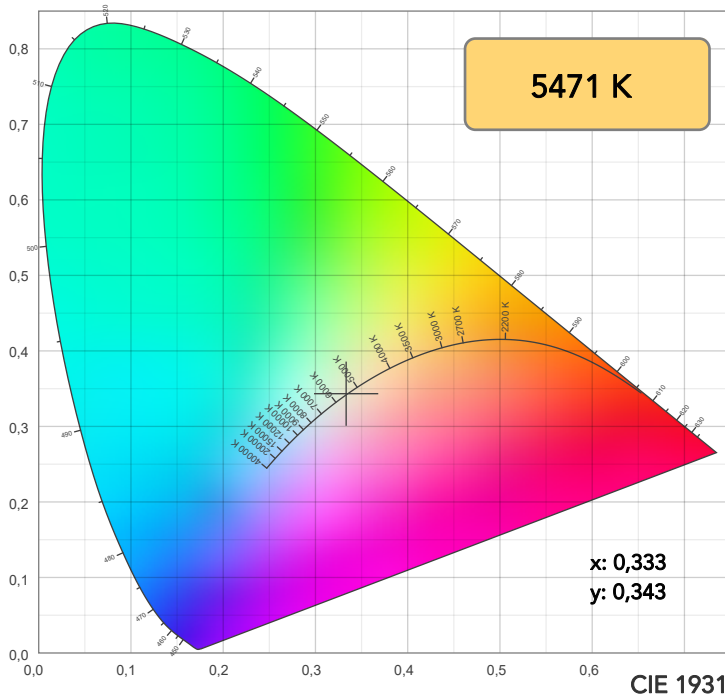
Field angle 10%: 47,3°

Cut off angle 2.5%: 72,1°

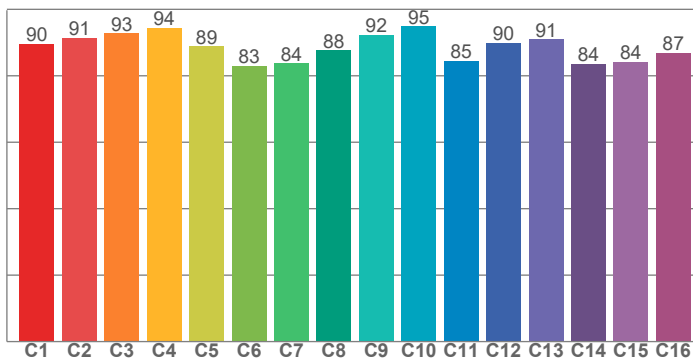
**Spectra**



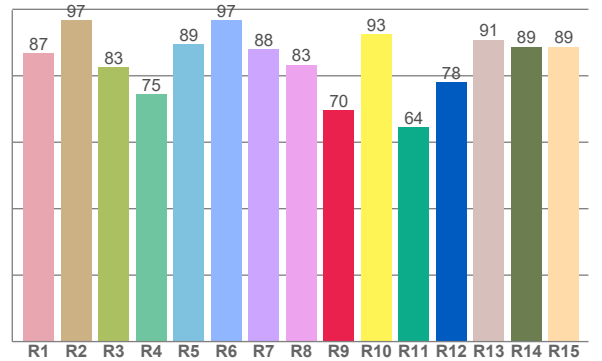
# COLOR DETAILS



TM30: 88,8



CRI: 87,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
86,9	96,7	82,6	74,5	89,5	96,8	88,0	83,3	69,7	92,5	64,5	78,0	90,8	88,8	88,8

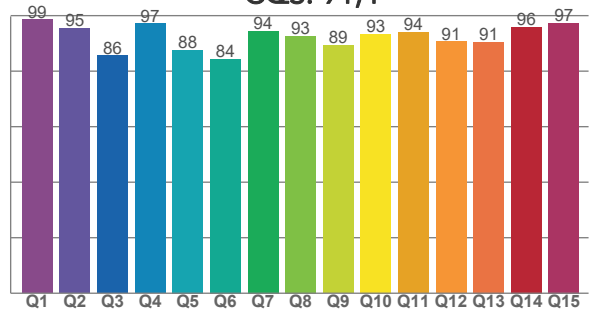
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,6	91,4	92,8	94,4	88,8	83,0	83,8	87,7	92,3	94,9	84,5	90,0	90,9	83,5	84,2	86,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,5	95,4	85,6	97,2	87,7	84,4	94,5	92,7	89,3	93,4	94,0	90,7	90,5	96,0	97,3

CQS: 91,4



## COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
5471 K	87,3	69,7	88,8	109,9	91,4	80	0,333	0,343	0,0025

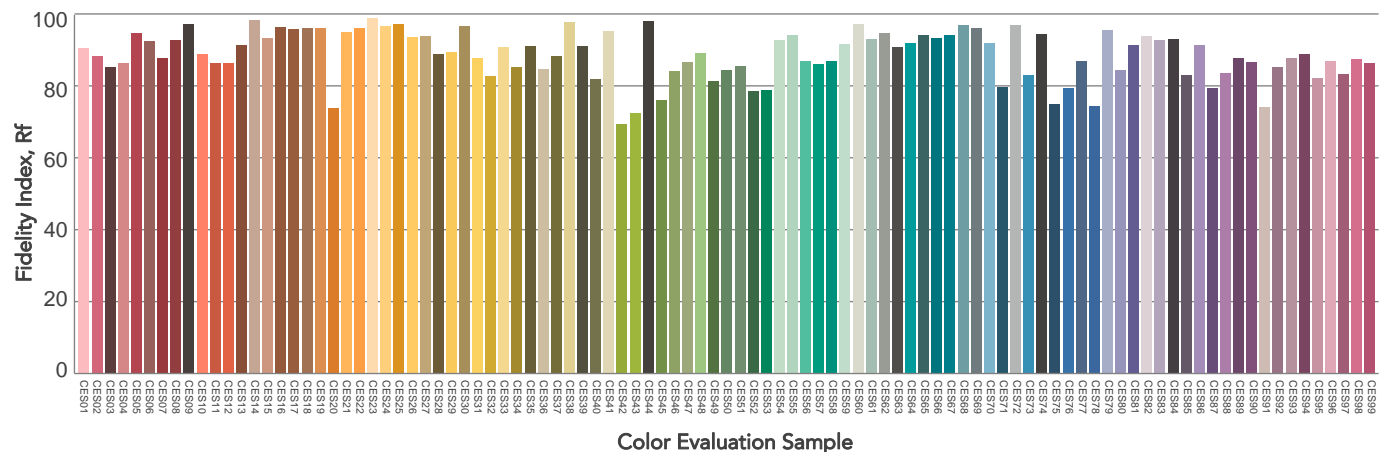
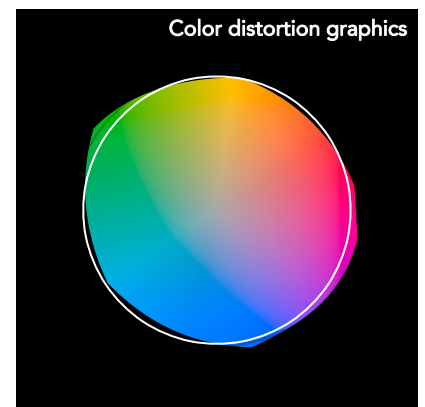
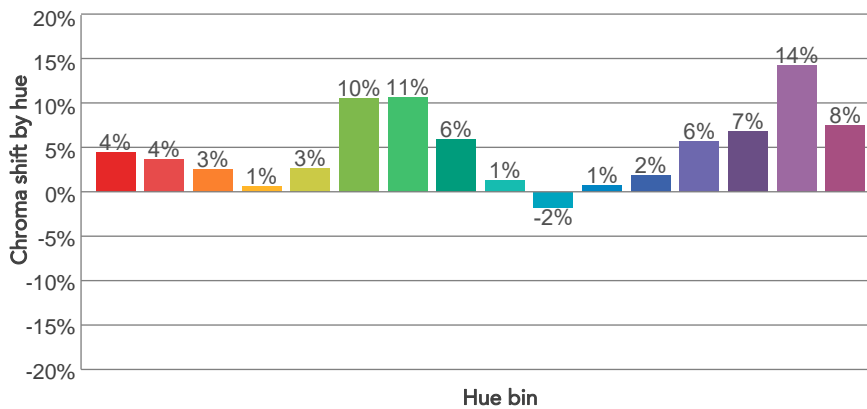
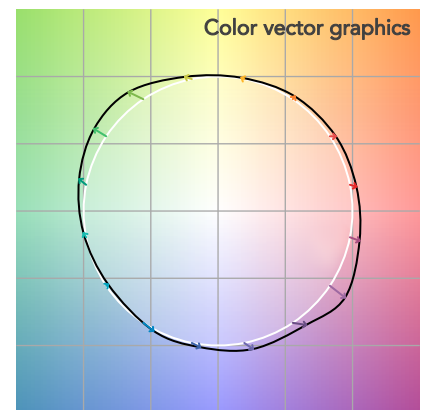
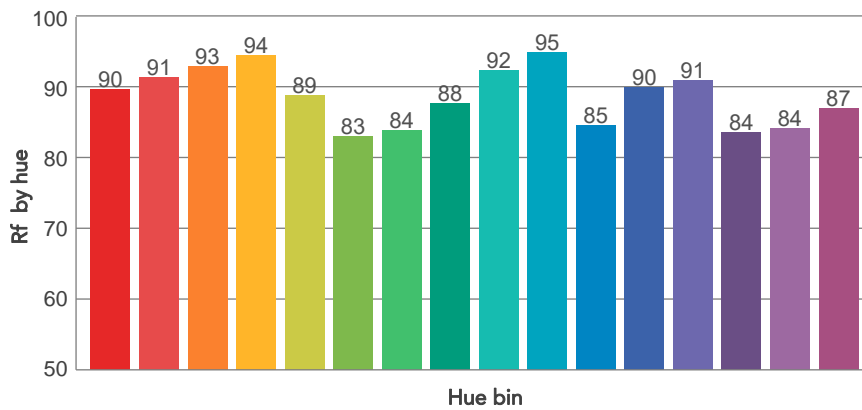
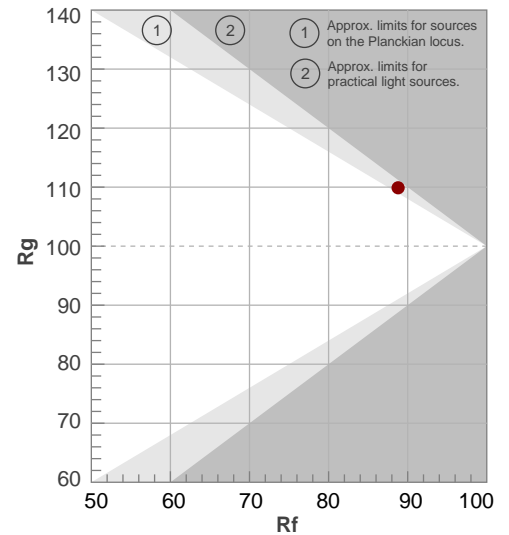


# TM30 DETAILS

**Rf 88,8**  
Fidelity index Rf

**Rg 109,9**  
Gammut index

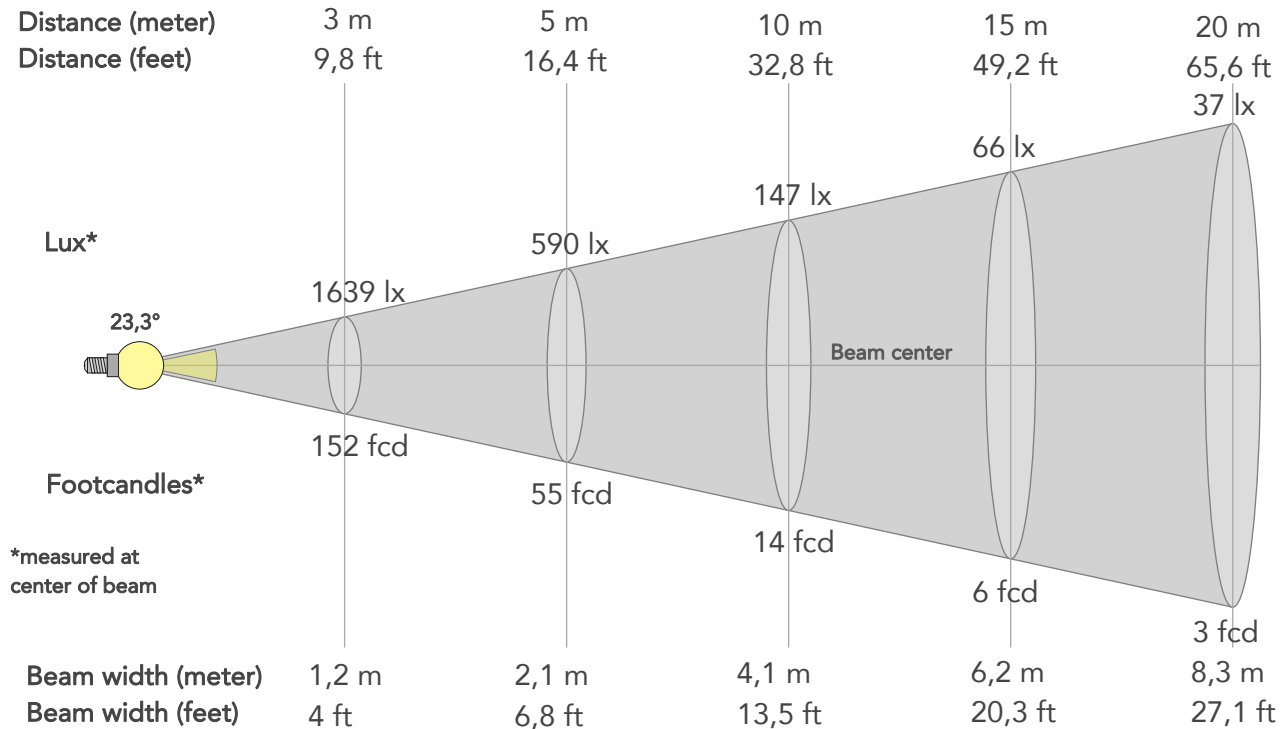
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	4%	-2%
2	91	4%	-2%
3	93	3%	0%
4	94	1%	2%
5	89	3%	5%
6	83	10%	6%
7	84	11%	0%
8	88	6%	-3%
9	92	1%	-3%
10	95	-2%	0%
11	85	1%	10%
12	90	2%	7%
13	91	6%	6%
14	84	7%	7%
15	84	14%	-1%
16	87	8%	-1%



# BEAM DETAILS



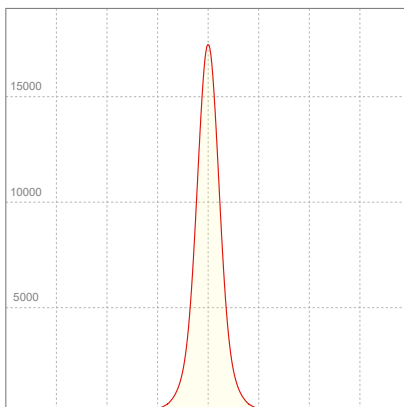
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,3°	47,3°	72,1°	96,7%	92,5%



## 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	14748lx	3687lx	1639lx	922lx	590lx	262lx	147lx	66lx	37lx	24lx	16lx	9lx	6lx
Footcand.	1370fcd	343fcd	152fcd	86fcd	55fcd	24fcd	14fcd	6fcd	3fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,3m	12,4m	16,5m	20,6m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,8ft	10,2ft	13,5ft	20,3ft	27,1ft	33,9ft	40,6ft	54,2ft	67,7ft

## LINEAR DISTRIBUTION DIAGRAM

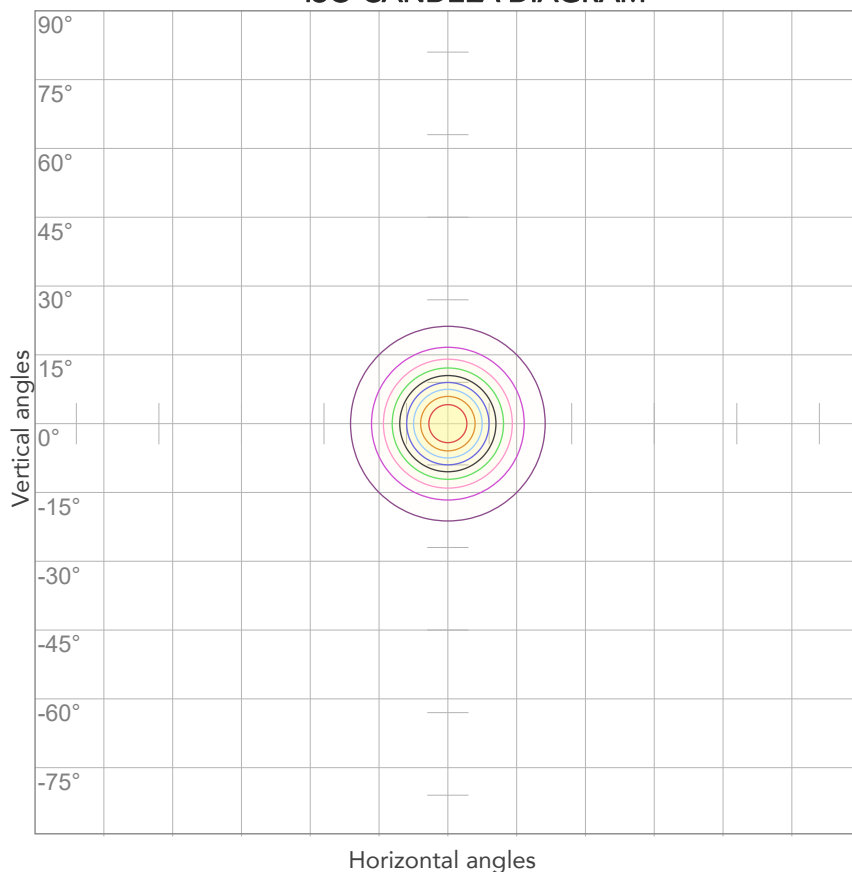


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,377A	78,2W	0,92	47lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



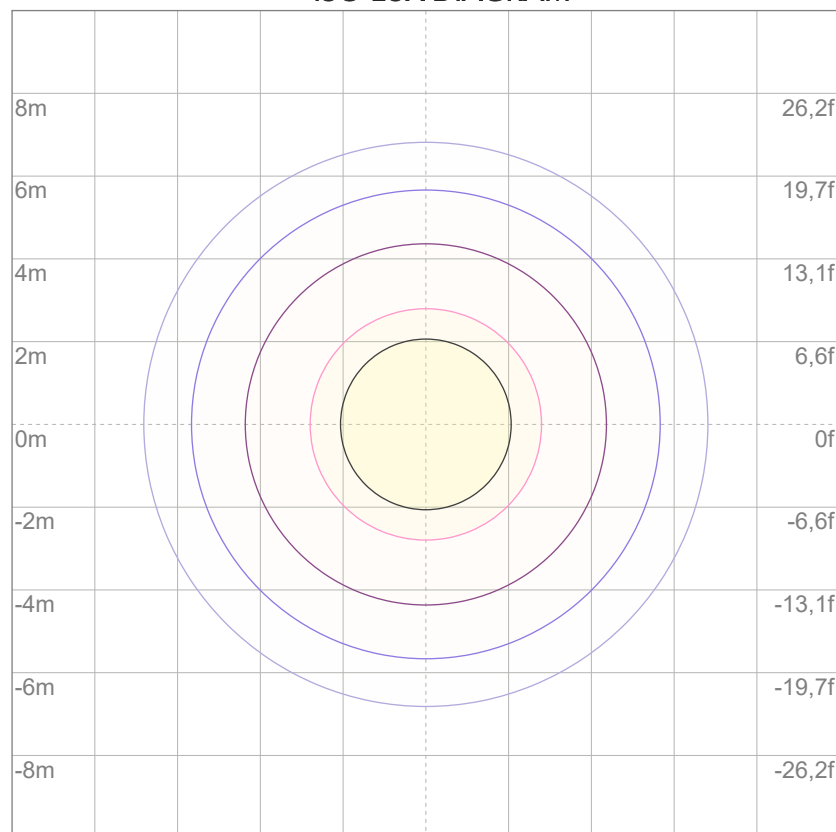
10%	1475 cd
20%	2950 cd
30%	4424 cd
40%	5899 cd
50%	7374 cd
60%	8849 cd
70%	10324 cd
80%	11799 cd

### Conditions:

Number of c-planes: 2

Candela at center: 14748 cd

## ISO LUX DIAGRAM



3%	4,42 lx
5%	7,37 lx
10%	14,7 lx
30%	44,2 lx
50%	73,7 lx

### Conditions:

Number of c-planes: 2

Lux at center: 147 lx

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



Total lumen output:

3585 lm

Peak candela output:

4848 cd

Light quality:

CRI: 86,5

Color temperature:

5607 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 40° Filter

Target:

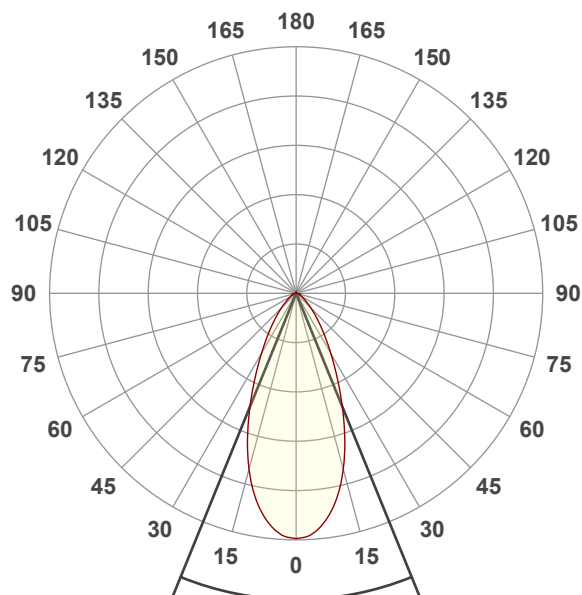
5600K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 10:51:53

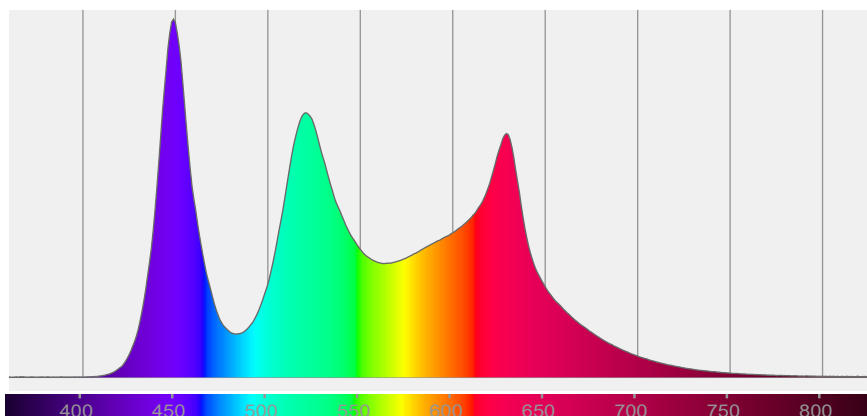


Beam angle 50%: 44,3°

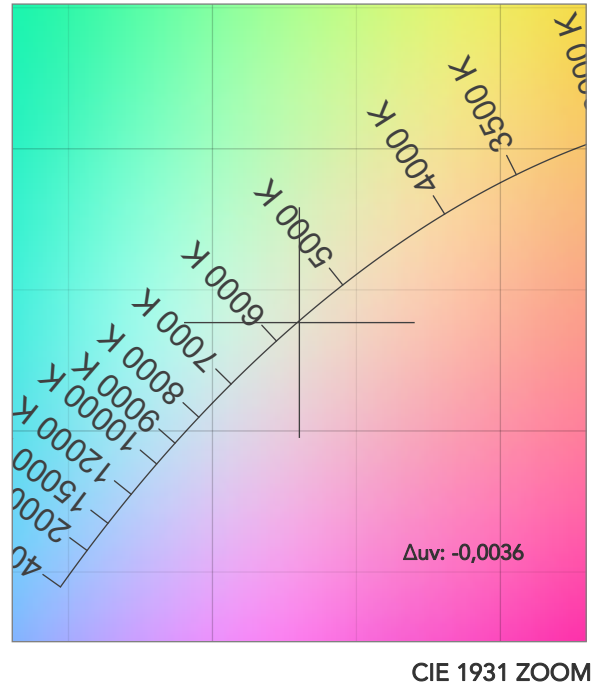
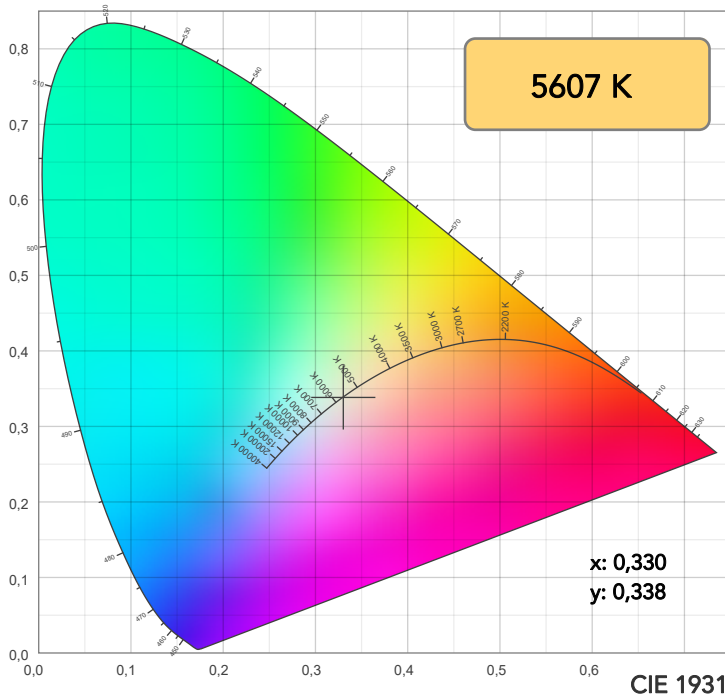
Field angle 10%: 86,4°

Cut off angle 2.5%: 122,2°

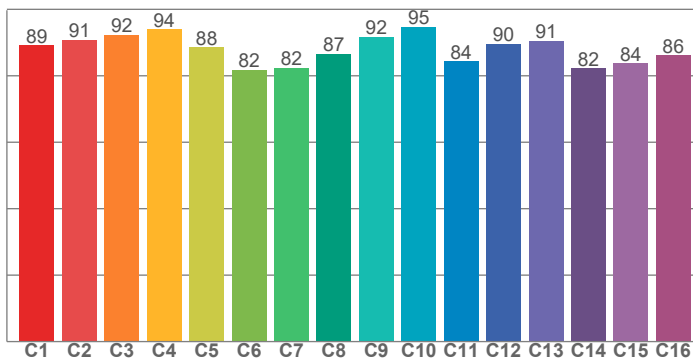
**Spectra**



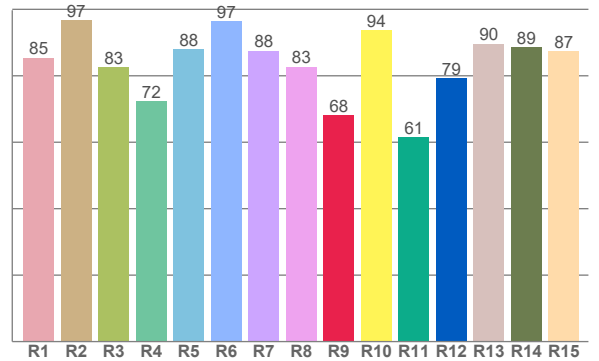
# COLOR DETAILS



TM30: 88,2



CRI: 86,5 (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
85,4	96,8	82,5	72,3	88,0	96,5	87,5	82,7	68,2	93,7	61,5	79,3	89,6	88,7	87,4

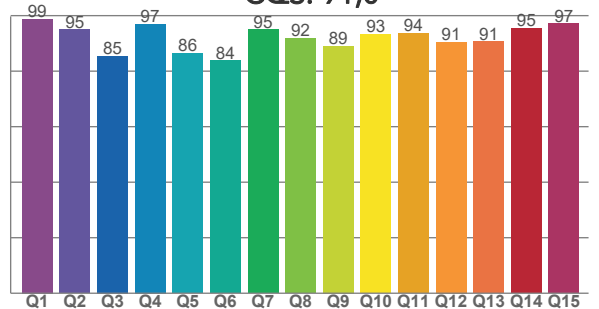
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,1	90,8	92,3	93,9	88,5	81,7	82,4	86,5	91,7	94,7	84,4	89,6	90,6	82,2	83,7	86,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,7	95,0	85,4	97,0	86,4	83,8	95,0	91,9	89,0	93,3	93,6	90,5	90,6	95,5	97,1

CQS: 91,0



## COLOR PARAMETERS

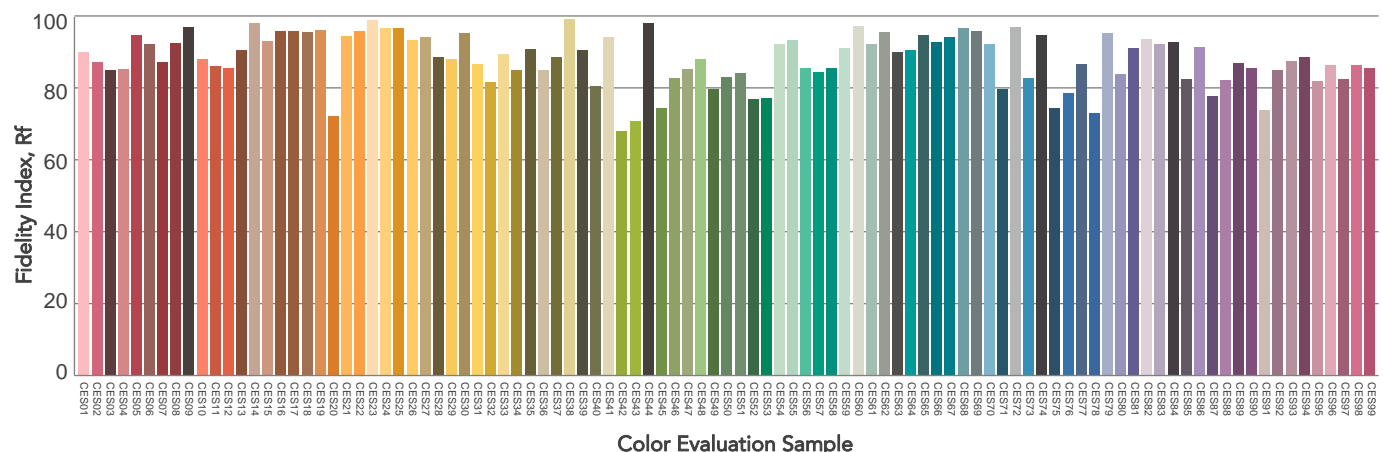
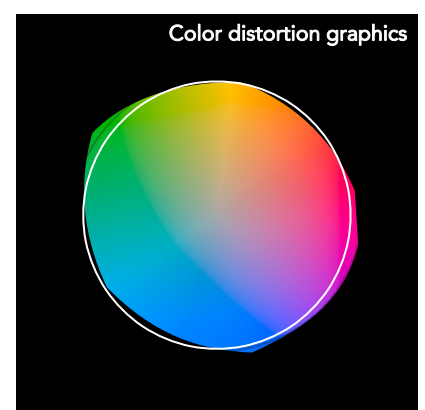
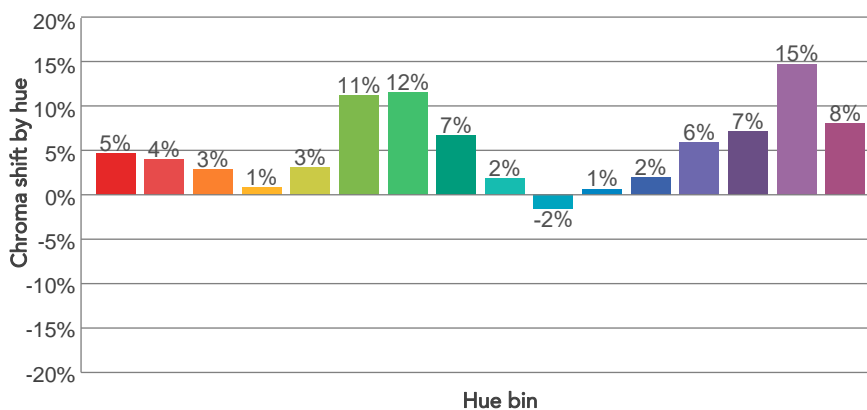
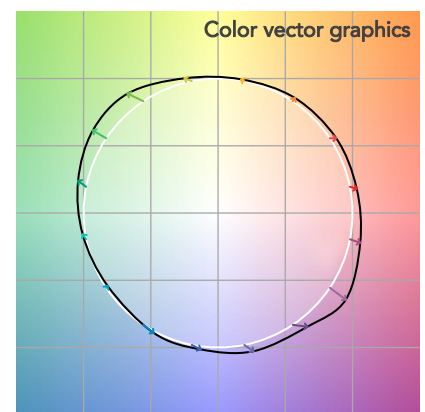
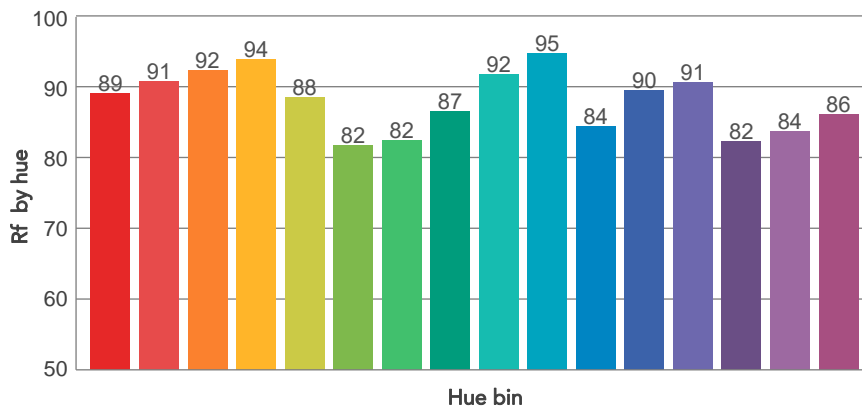
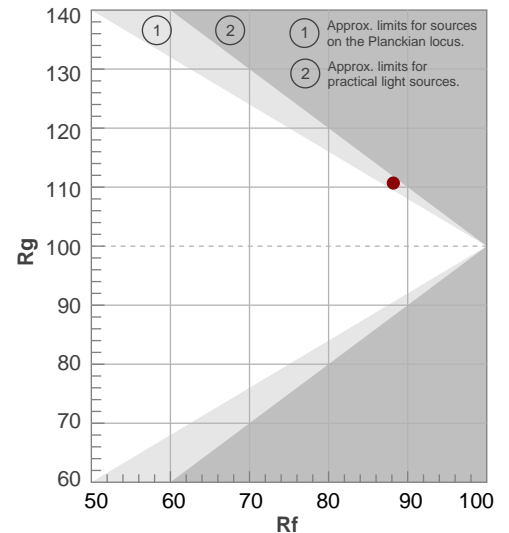
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
5607 K	86,5	68,2	88,2	110,7	91,0	77	0,330	0,338	-0,0036

# TM30 DETAILS

**Rf 88,2**  
Fidelity index Rf

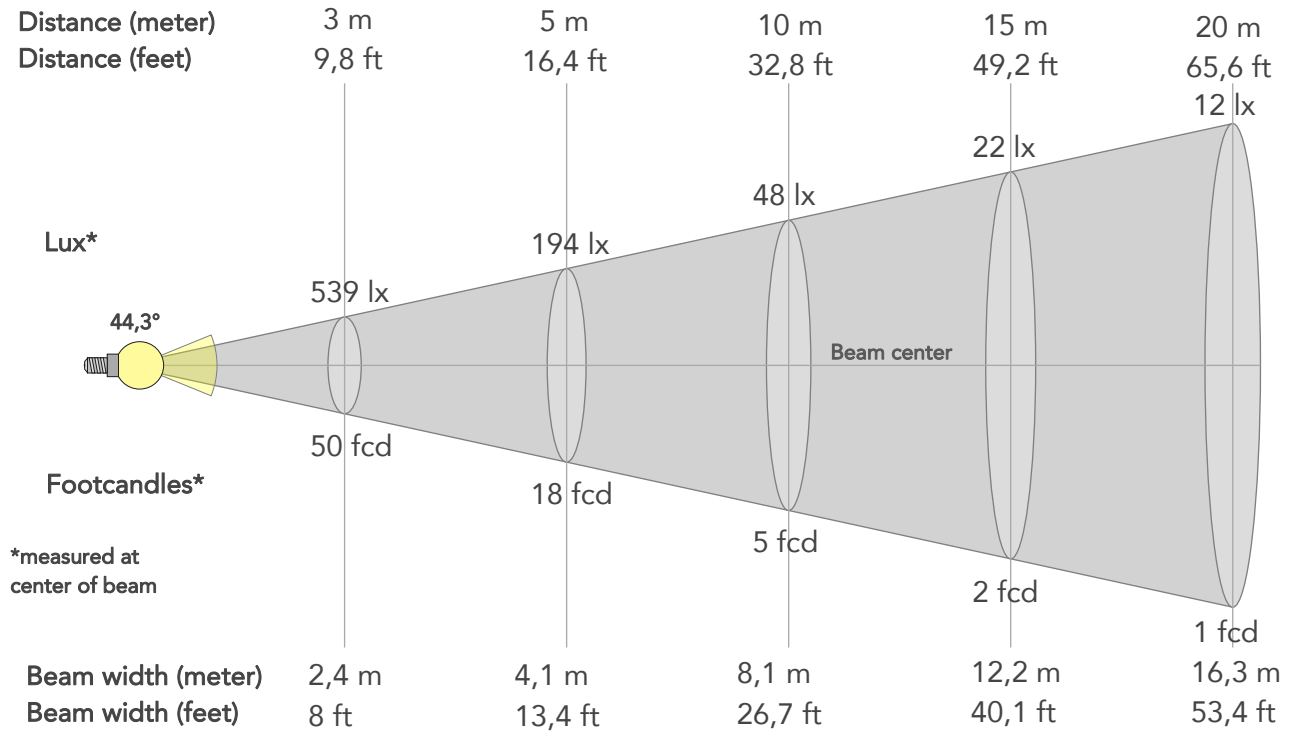
**Rg 110,7**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	89	5%	-2%
2	91	4%	-2%
3	92	3%	0%
4	94	1%	2%
5	88	3%	5%
6	82	11%	7%
7	82	12%	1%
8	87	7%	-3%
9	92	2%	-4%
10	95	-2%	-1%
11	84	1%	10%
12	90	2%	7%
13	91	6%	6%
14	82	7%	8%
15	84	15%	-1%
16	86	8%	-1%



# BEAM DETAILS

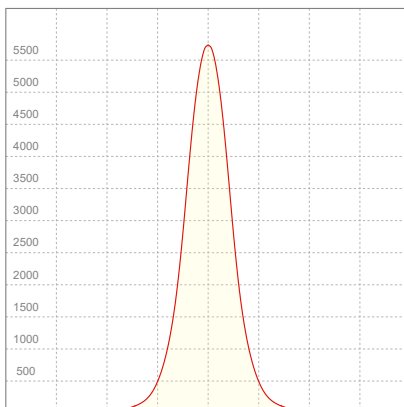
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,3°	86,4°	122,2°	95,6%	87,0%



## 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	4848lx	1212lx	539lx	303lx	194lx	86lx	48lx	22lx	12lx	8lx	5lx	3lx	2lx
Footcand.	450fcd	113fcd	50fcd	28fcd	18fcd	8fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,3m	4,1m	6,1m	8,1m	12,2m	16,3m	20,4m	24,4m	32,6m	40,7m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,4ft	20ft	26,7ft	40,1ft	53,4ft	66,8ft	80,1ft	106,9ft	133,6ft

## LINEAR DISTRIBUTION DIAGRAM

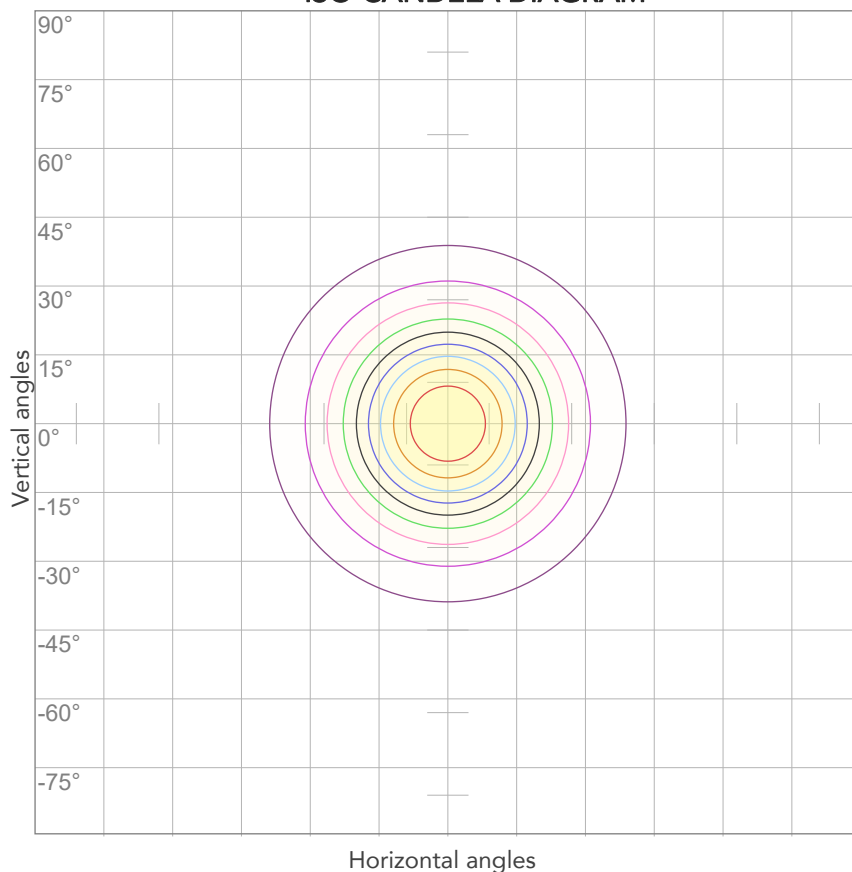


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,382A	79,8W	0,92	45lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



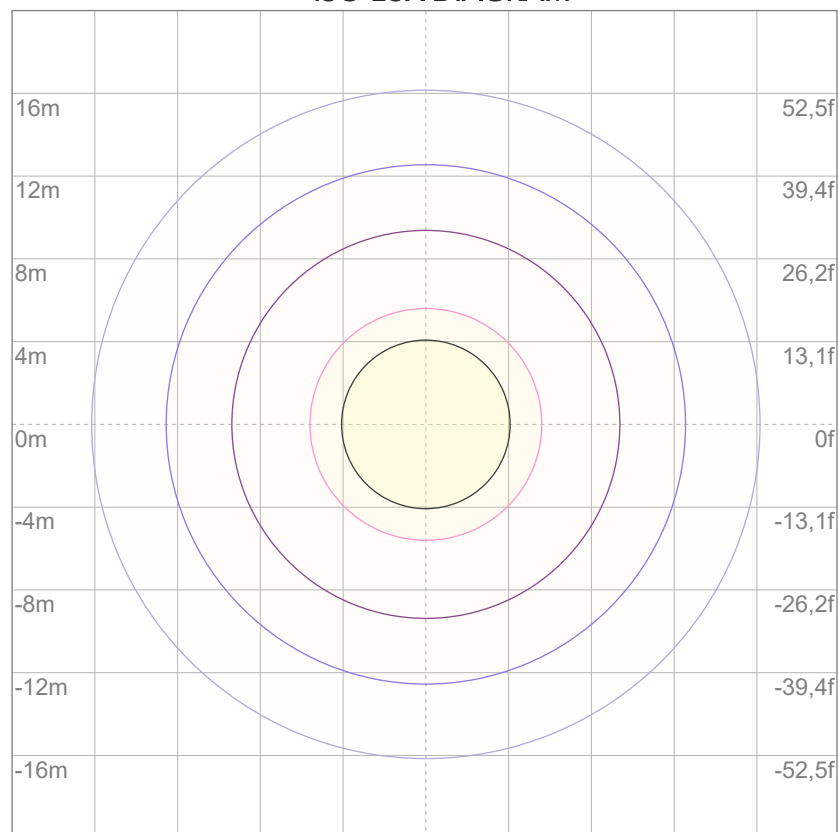
10%	485 cd
20%	970 cd
30%	1454 cd
40%	1939 cd
50%	2424 cd
60%	2909 cd
70%	3393 cd
80%	3878 cd

### Conditions:

Number of c-planes: 2

Candela at center: 4848 cd

## ISO LUX DIAGRAM



3%	1,45 lx
5%	2,42 lx
10%	4,85 lx
30%	14,5 lx
50%	24,2 lx

### Conditions:

Number of c-planes: 2

Lux at center: 48,5 lx

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





Total lumen output:

3496 lm

Peak candela output:

3179 cd

Light quality:

CRI: 87,0

Color temperature:

5668 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 60° Filter

Target:

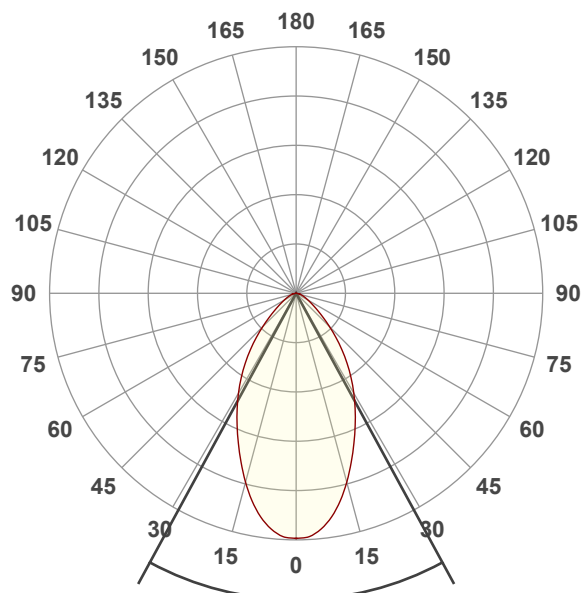
5600K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 11:17:26

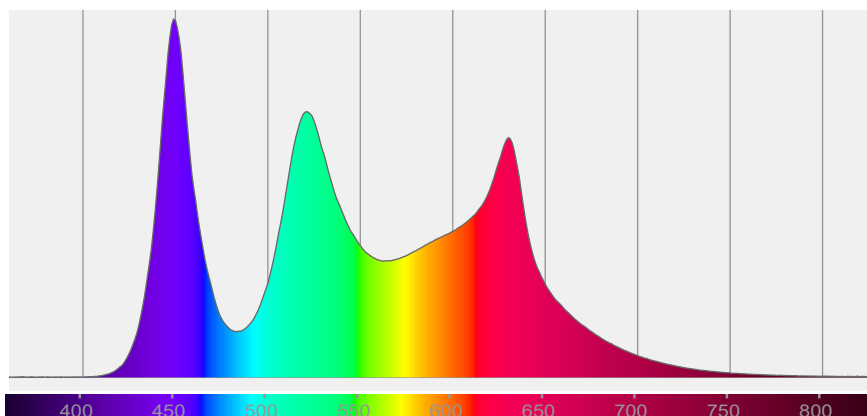


Beam angle 50%: 57°

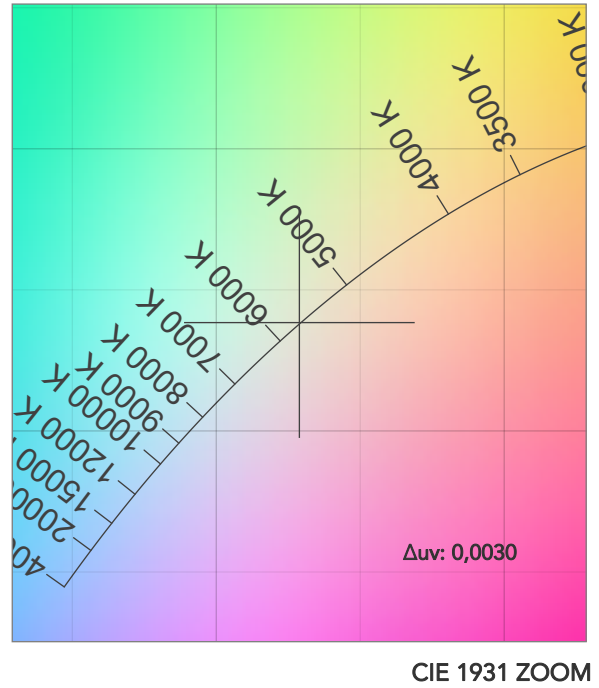
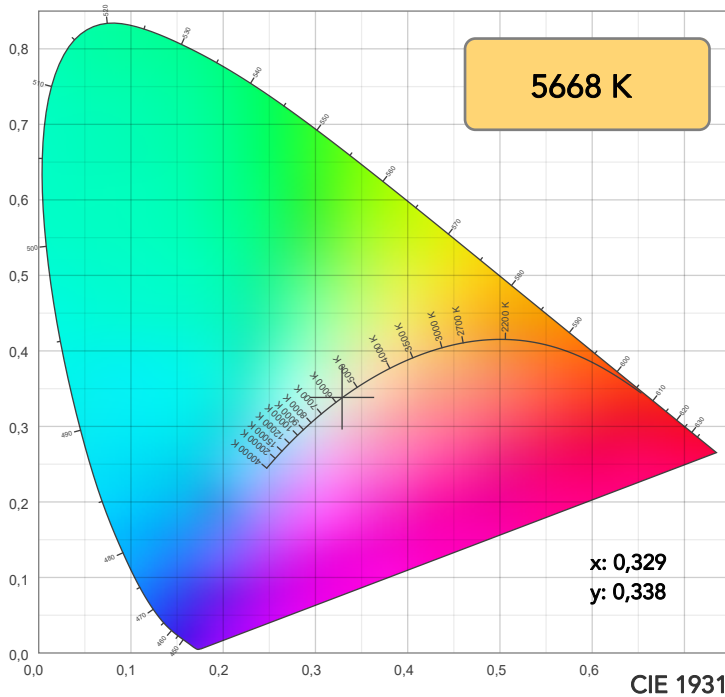
Field angle 10%: 105,8°

Cut off angle 2.5%: 142,4°

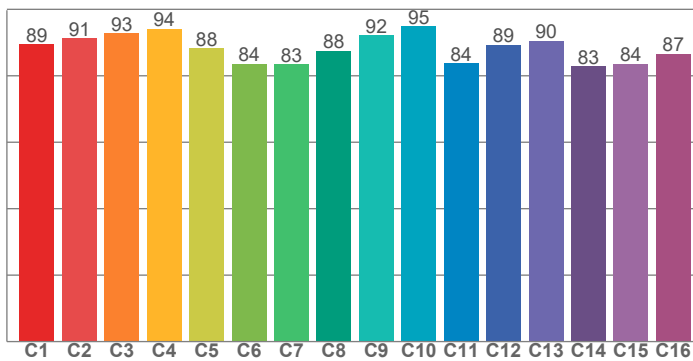
**Spectra**



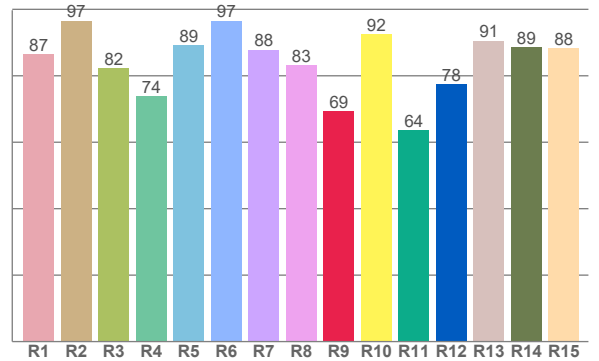
# COLOR DETAILS



TM30: 88,5



CRI: 87,0 (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
86,5	96,5	82,3	73,9	89,2	96,5	87,8	83,2	69,2	92,4	63,5	77,5	90,5	88,6	88,3

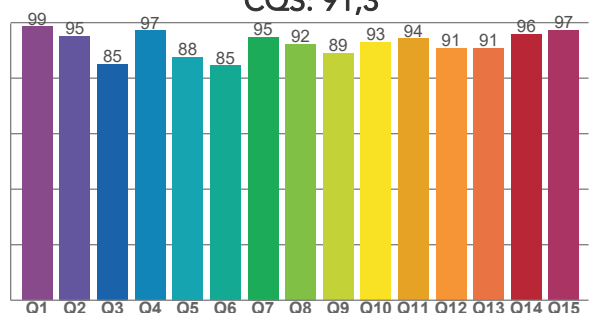
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,5	91,3	92,8	94,2	88,2	83,5	83,5	87,6	92,2	94,8	83,8	89,3	90,5	82,8	83,6	86,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,5	95,1	85,1	97,2	87,7	84,6	94,8	92,4	89,0	93,0	94,2	90,9	90,7	95,8	97,2

CQS: 91,3



## COLOR PARAMETERS

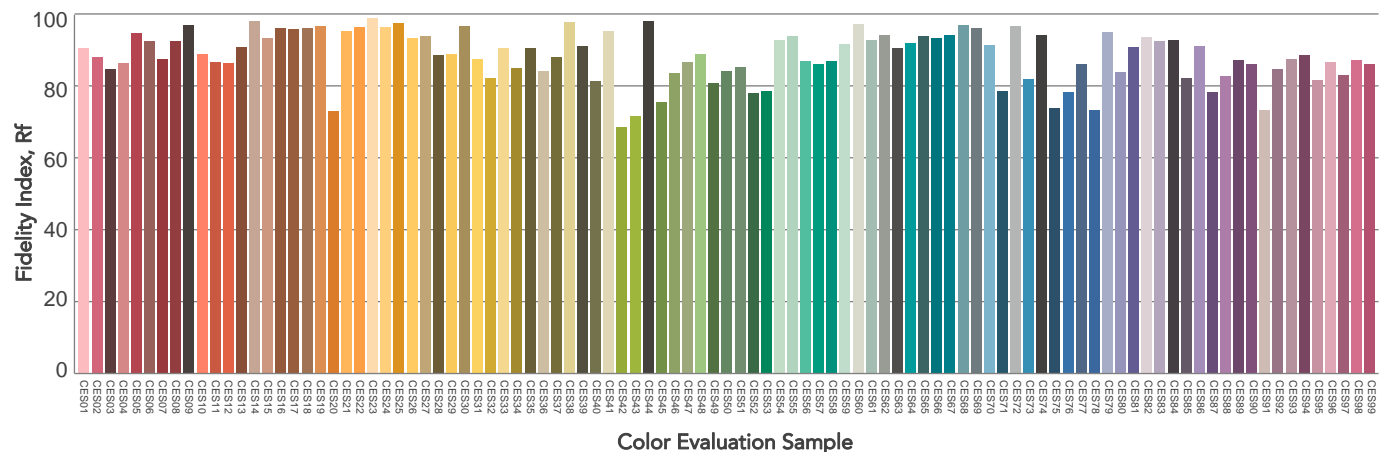
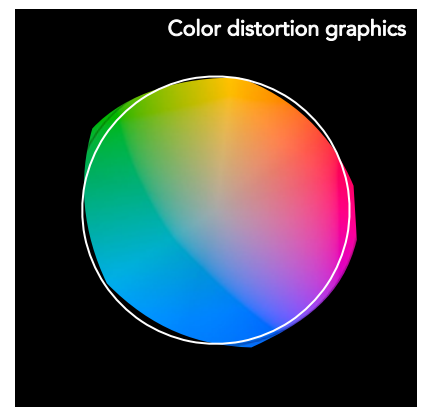
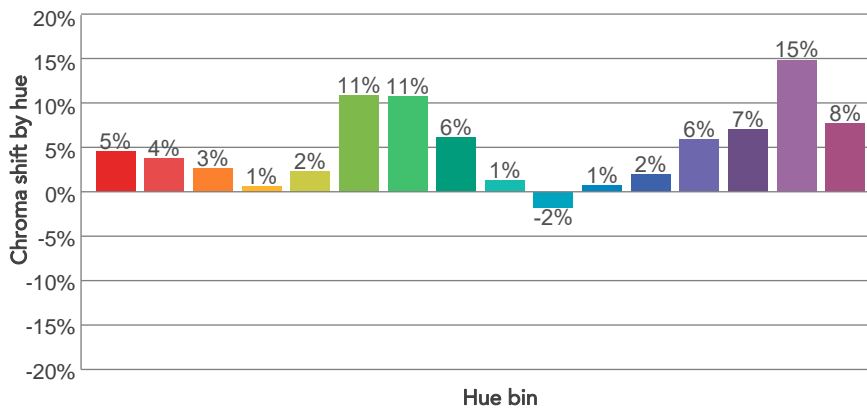
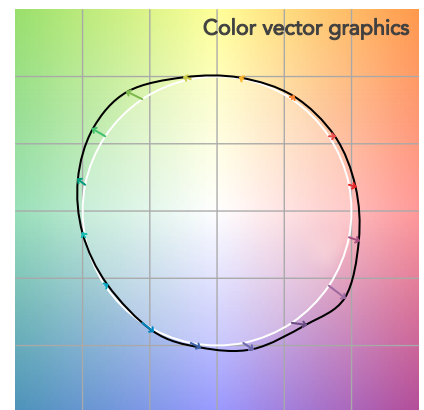
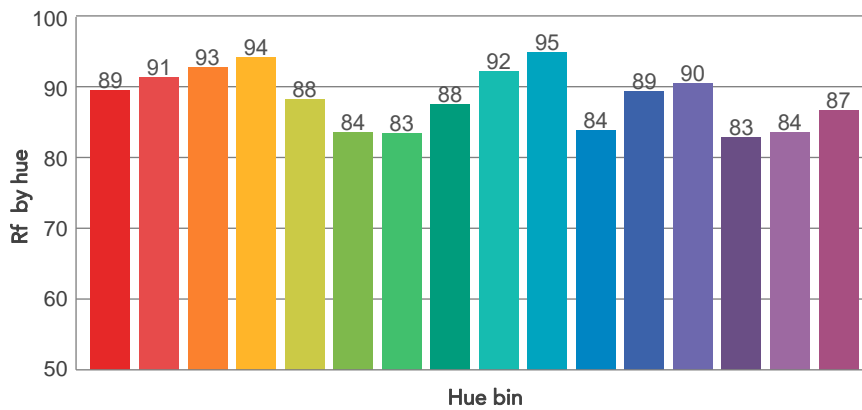
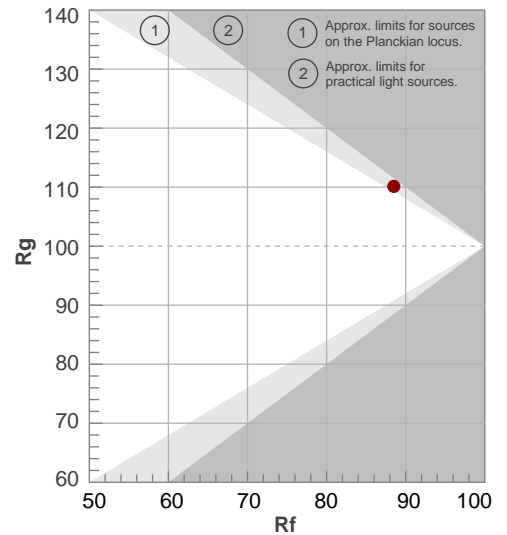
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
5668 K	87,0	69,2	88,5	110,1	91,3	79	0,329	0,338	0,0030

# TM30 DETAILS

**Rf 88,5**  
Fidelity index Rf

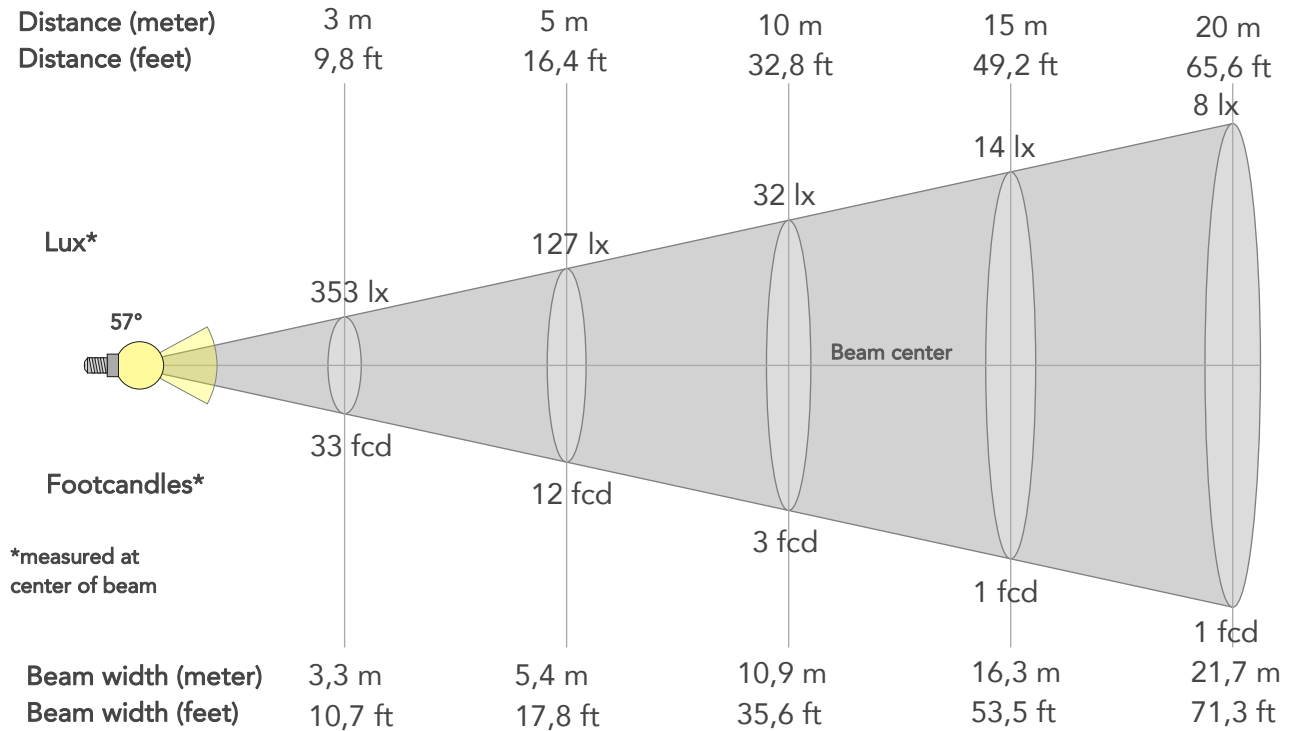
**Rg 110,1**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	89	5%	-2%
2	91	4%	-2%
3	93	3%	0%
4	94	1%	2%
5	88	2%	4%
6	84	11%	6%
7	83	11%	1%
8	88	6%	-3%
9	92	1%	-3%
10	95	-2%	0%
11	84	1%	10%
12	89	2%	7%
13	90	6%	6%
14	83	7%	8%
15	84	15%	-1%
16	87	8%	-1%



# BEAM DETAILS

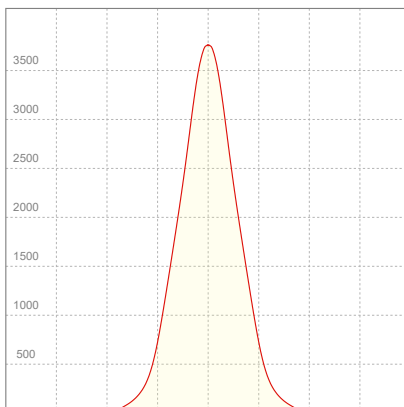
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57°	105,8°	142,4°	94,1%	81,3%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3179lx	795lx	353lx	199lx	127lx	57lx	32lx	14lx	8lx	5lx	4lx	2lx	1lx
Footcand.	295fcd	74fcd	33fcd	18fcd	12fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,3m	5,4m	8,2m	10,9m	16,3m	21,7m	27,2m	32,6m	43,5m	54,3m
Beam wid.	3,6ft	7,2ft	10,7ft	14,2ft	17,8ft	26,7ft	35,6ft	53,5ft	71,3ft	89,1ft	106,9ft	142,6ft	178,2ft

## LINEAR DISTRIBUTION DIAGRAM

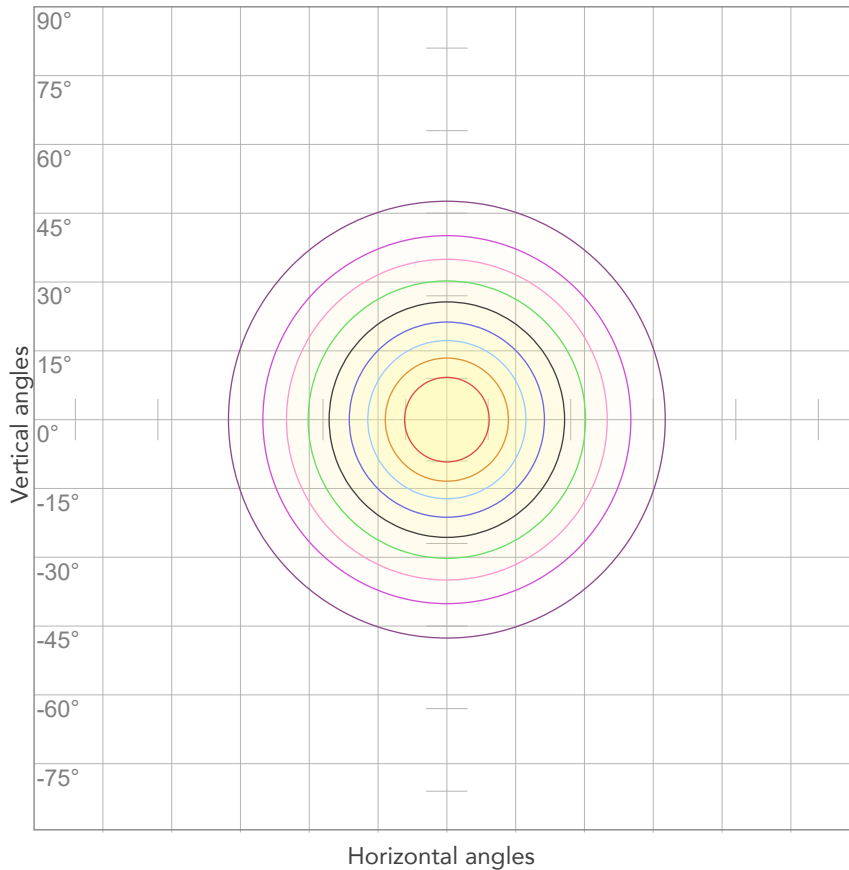


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,378A	78,6W	0,92	44lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



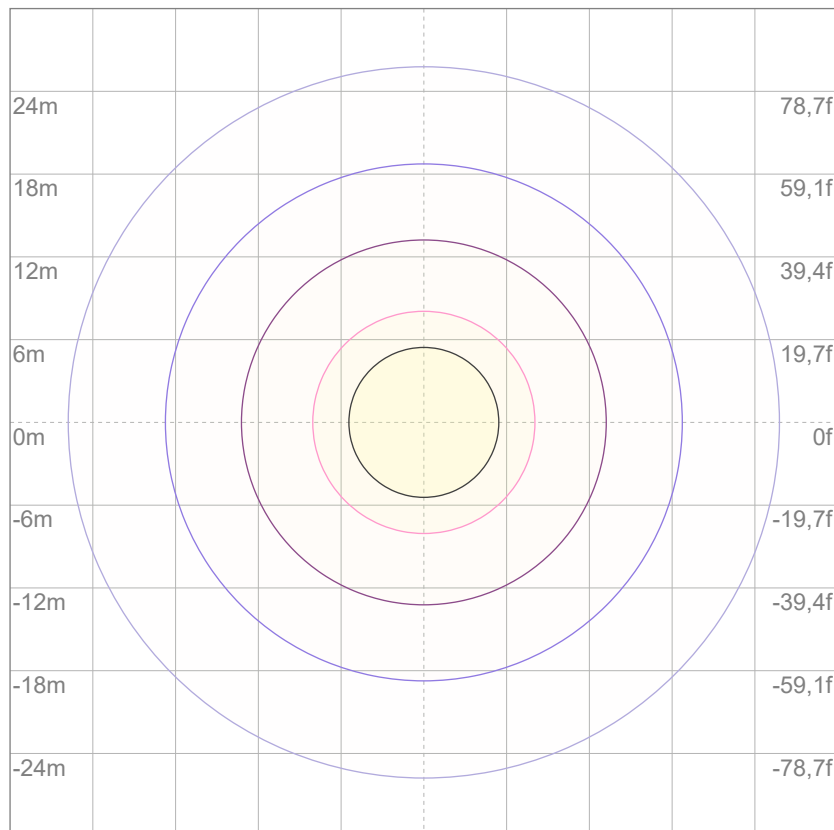
10%	318 cd
20%	636 cd
30%	954 cd
40%	1272 cd
50%	1589 cd
60%	1907 cd
70%	2225 cd
80%	2543 cd

### Conditions:

Number of c-planes: 2

Candela at center: 3179 cd

## ISO LUX DIAGRAM



3%	0,954 lx
5%	1,59 lx
10%	3,18 lx
30%	9,54 lx
50%	15,9 lx

### Conditions:

Number of c-planes: 2

Lux at center: 31,8 lx

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



Total lumen output:

4122 lm

Peak candela output:

8645 cd

Light quality:

CRI: 87,9

Color temperature:

5715 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 10°x 60° Filter

Target:

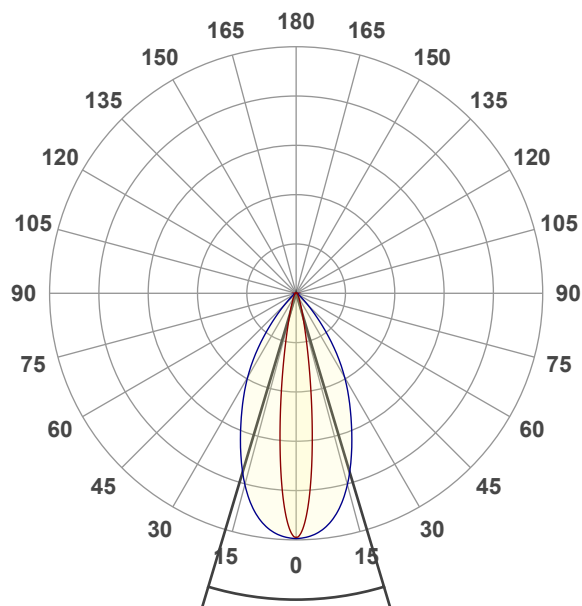
5600K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 11:44:17

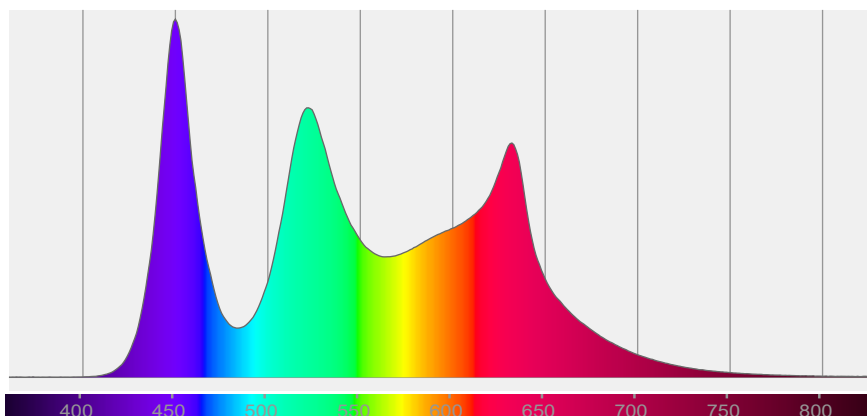


Beam angle 50%: 33,3°

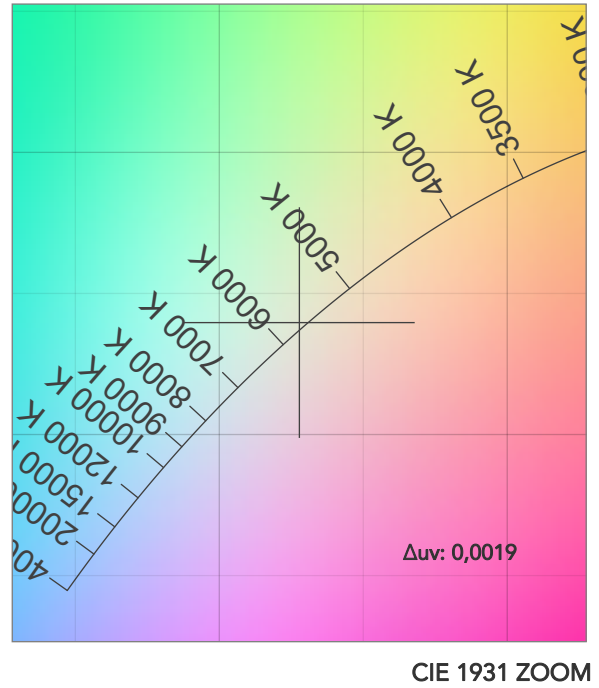
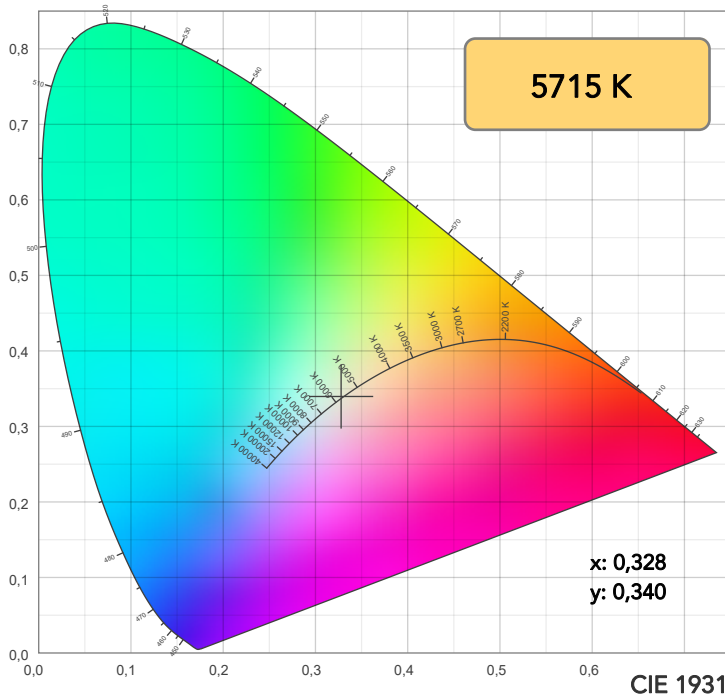
Field angle 10%: 58,8°

Cut off angle 2.5%: 81,8°

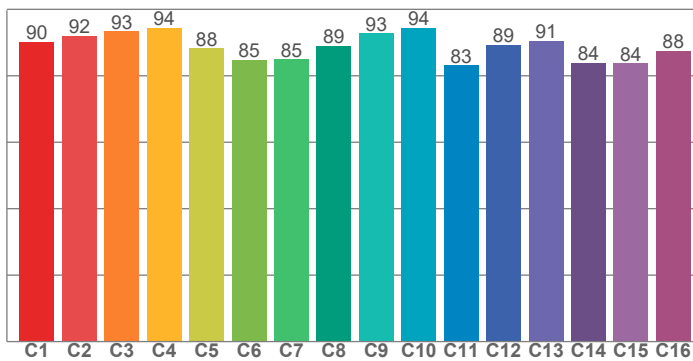
**Spectra**



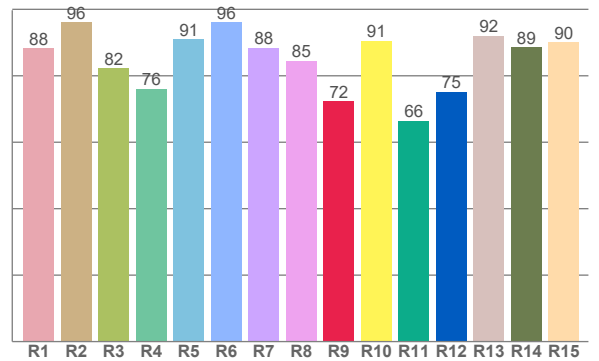
# COLOR DETAILS



TM30: 89,0



CRI: 87,9 (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
88,3	96,1	82,2	76,1	91,0	96,2	88,4	84,6	72,4	90,6	66,5	75,2	92,0	88,7	90,0

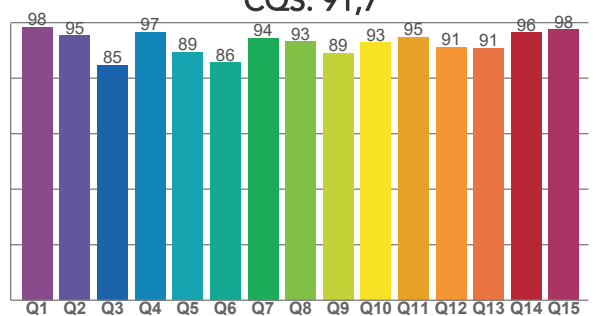
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,2	92,0	93,4	94,5	88,3	84,7	84,9	89,0	92,7	94,5	83,2	89,3	90,6	83,9	83,7	87,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,5	95,4	84,8	96,7	89,3	85,5	94,4	93,2	89,1	92,8	94,8	91,3	90,8	96,4	97,5

CQS: 91,7



## COLOR PARAMETERS

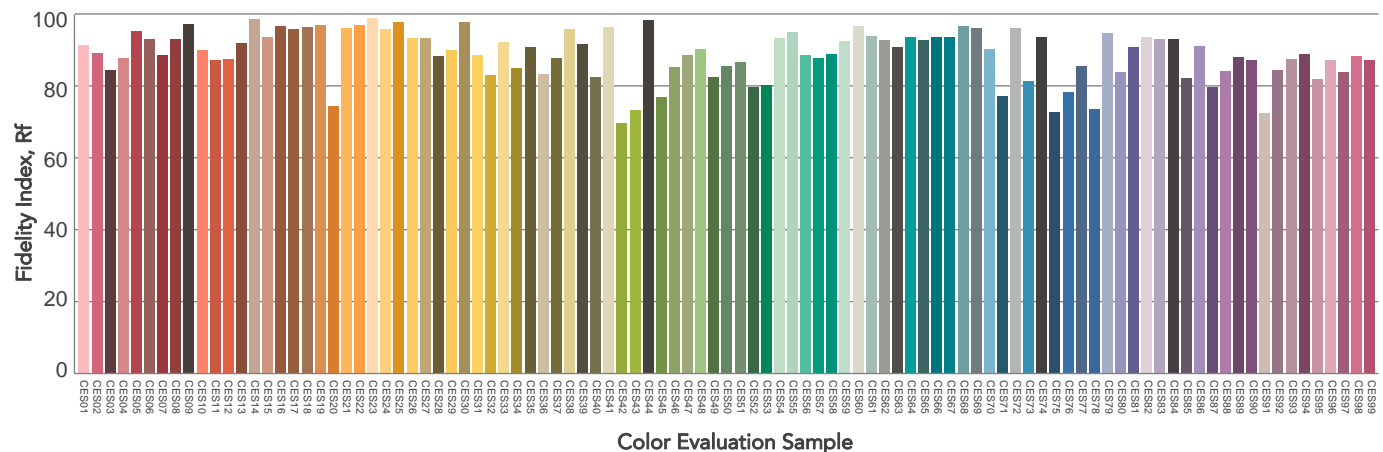
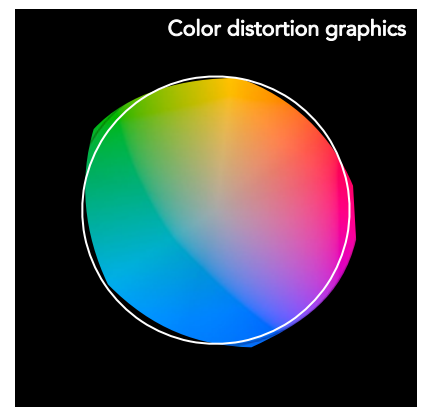
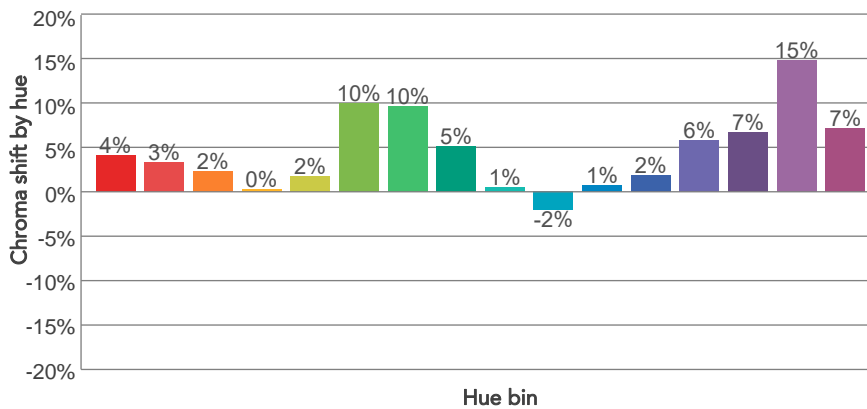
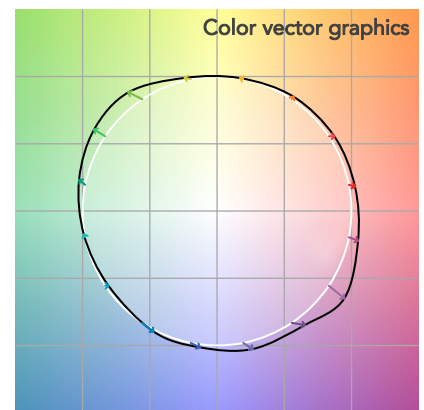
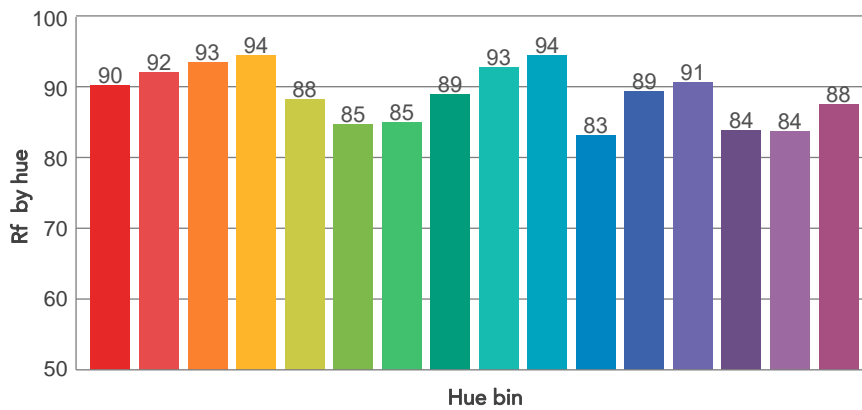
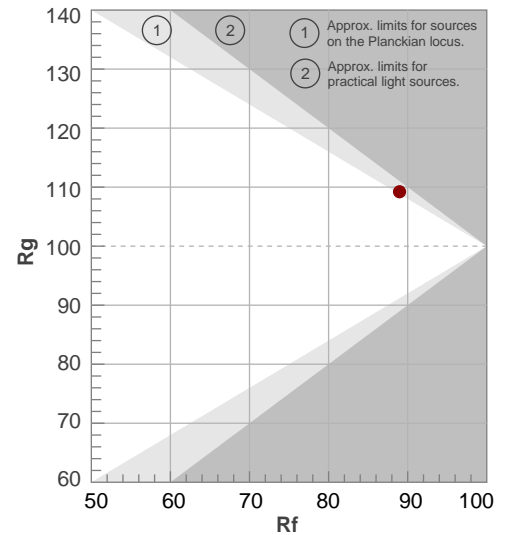
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
5715 K	87,9	72,4	89,0	109,2	91,7	82	0,328	0,340	0,0019

# TM30 DETAILS

**Rf 89,0**  
Fidelity index Rf

**Rg 109,2**  
Gammut index

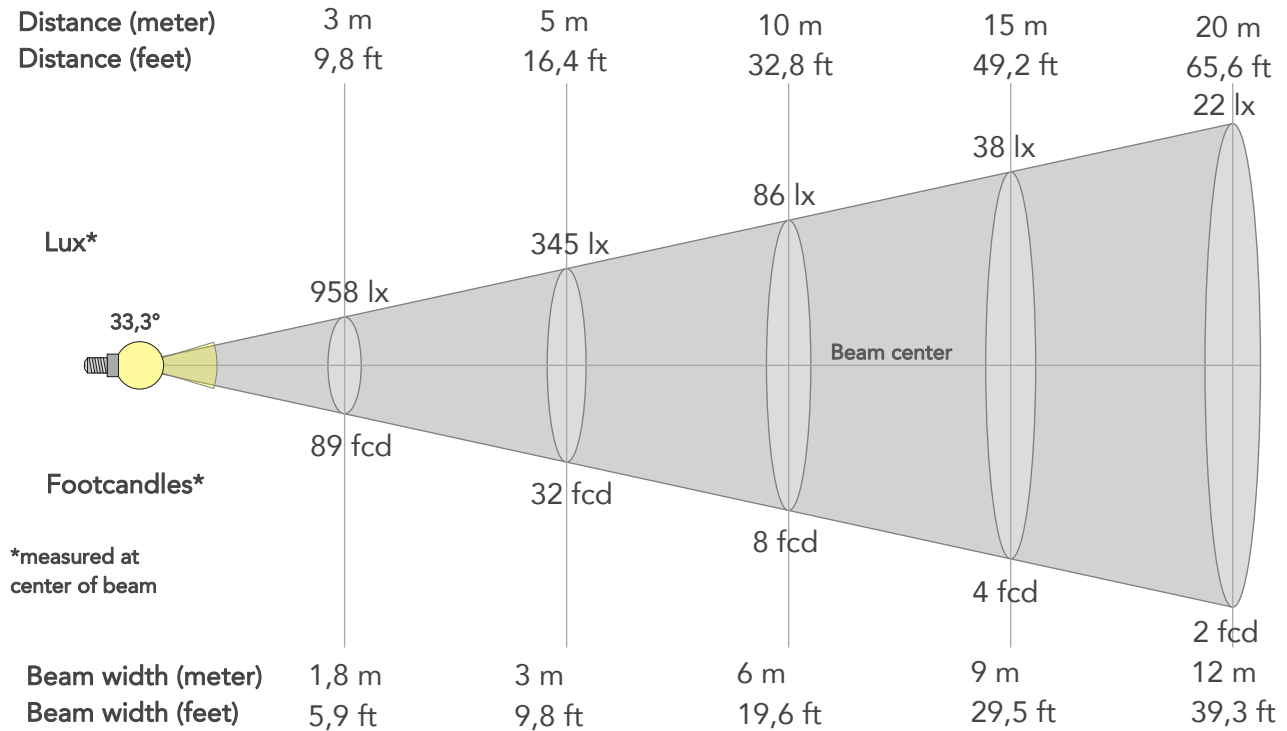
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	4%	-2%
2	92	3%	-2%
3	93	2%	0%
4	94	0%	2%
5	88	2%	4%
6	85	10%	6%
7	85	10%	0%
8	89	5%	-3%
9	93	1%	-2%
10	94	-2%	1%
11	83	1%	10%
12	89	2%	7%
13	91	6%	6%
14	84	7%	7%
15	84	15%	-1%
16	88	7%	-1%





# BEAM DETAILS

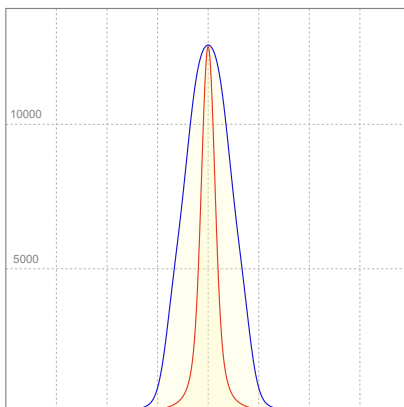
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,3°	58,8°	81,8°	97,3%	92,3%



## 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	8622lx	2155lx	958lx	539lx	345lx	153lx	86lx	38lx	22lx	14lx	10lx	5lx	3lx
Footcand.	801fcd	200fcd	89fcd	50fcd	32fcd	14fcd	8fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	23,9m	29,9m
Beam wid.	2ft	4ft	5,9ft	7,8ft	9,8ft	14,7ft	19,6ft	29,5ft	39,3ft	49,1ft	58,9ft	78,5ft	98,2ft

## LINEAR DISTRIBUTION DIAGRAM

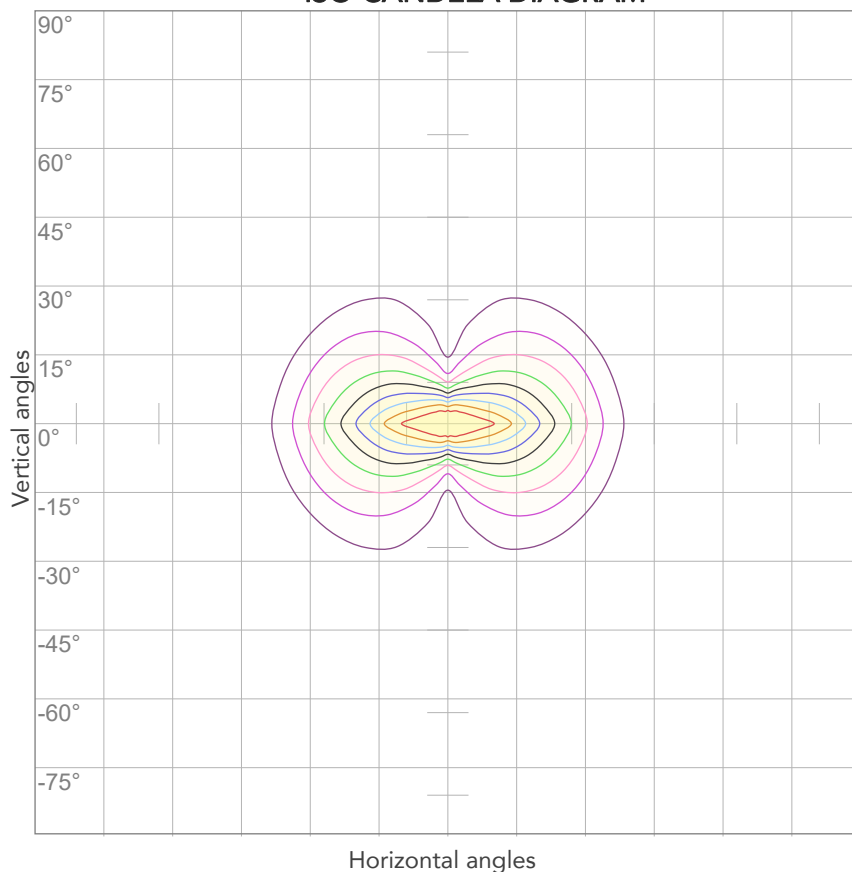


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,372A	77,6W	0,92	53lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



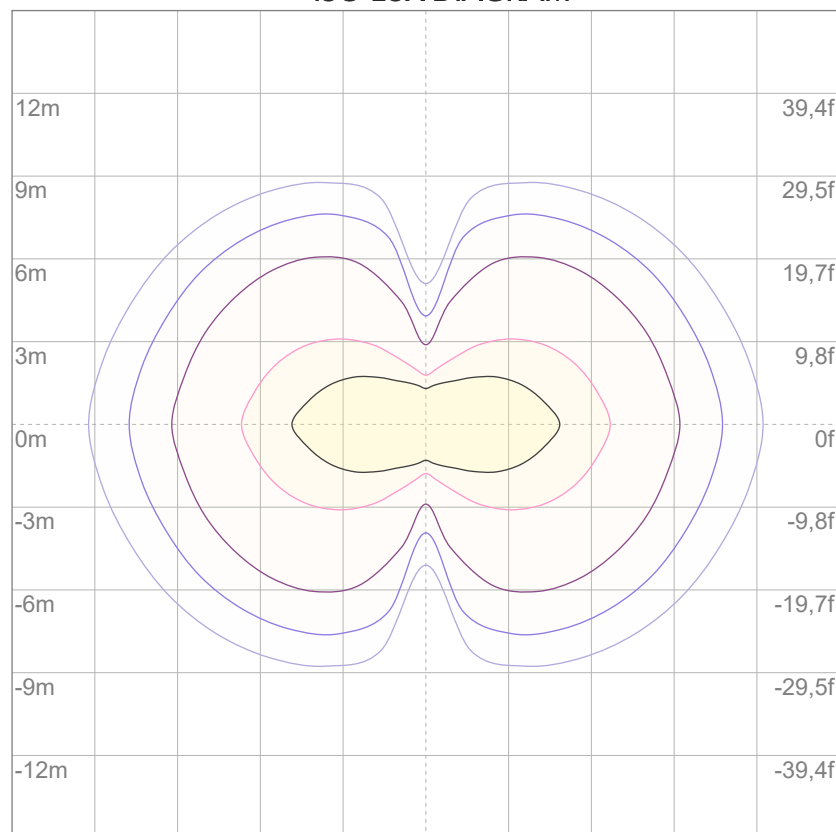
10%	862 cd
20%	1724 cd
30%	2586 cd
40%	3449 cd
50%	4311 cd
60%	5173 cd
70%	6035 cd
80%	6897 cd

### Conditions:

Number of c-planes: 4

Candela at center: 8622 cd

## ISO LUX DIAGRAM



3%	2,59 lx
5%	4,31 lx
10%	8,62 lx
30%	25,9 lx
50%	43,1 lx

### Conditions:

Number of c-planes: 4

Lux at center: 86,2 lx

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



Total lumen output:

3902 lm

Peak candela output:

5585 cd

Light quality:

CRI: 87,5

Color temperature:

5699 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 30°x 60° Filter

Target:

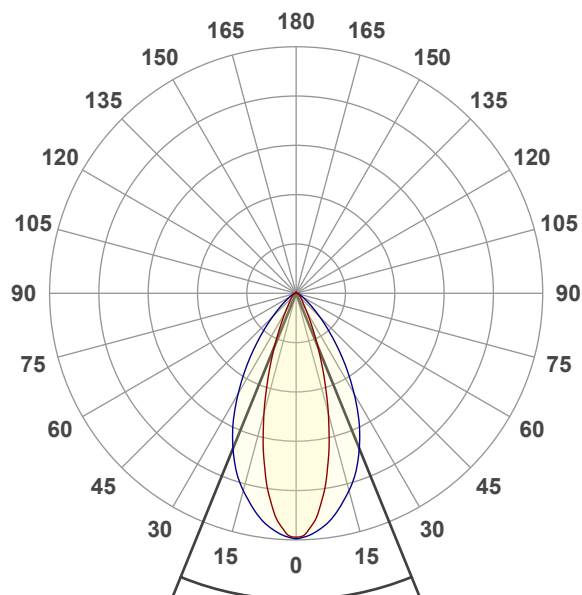
5600K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 12:22:24

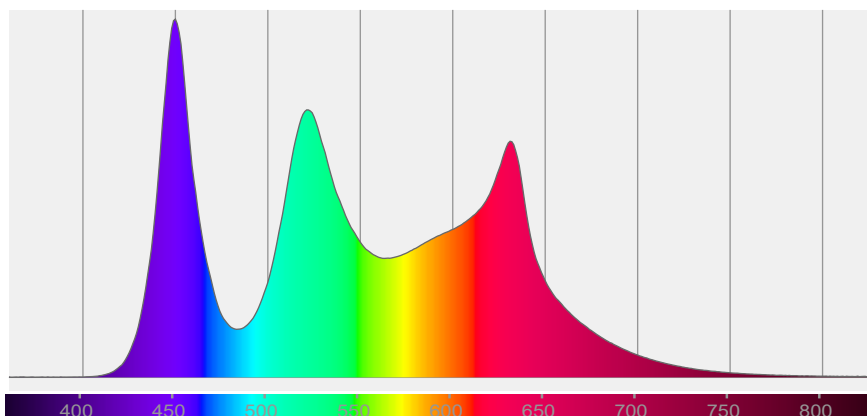


Beam angle 50%: 44,3°

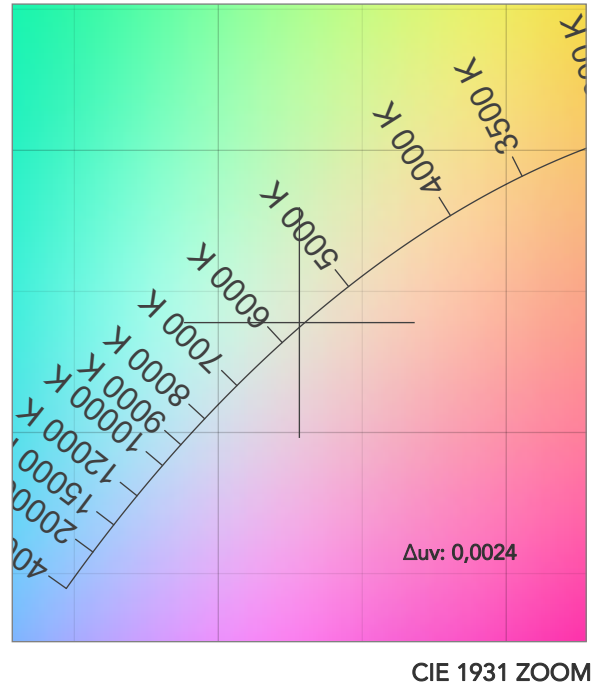
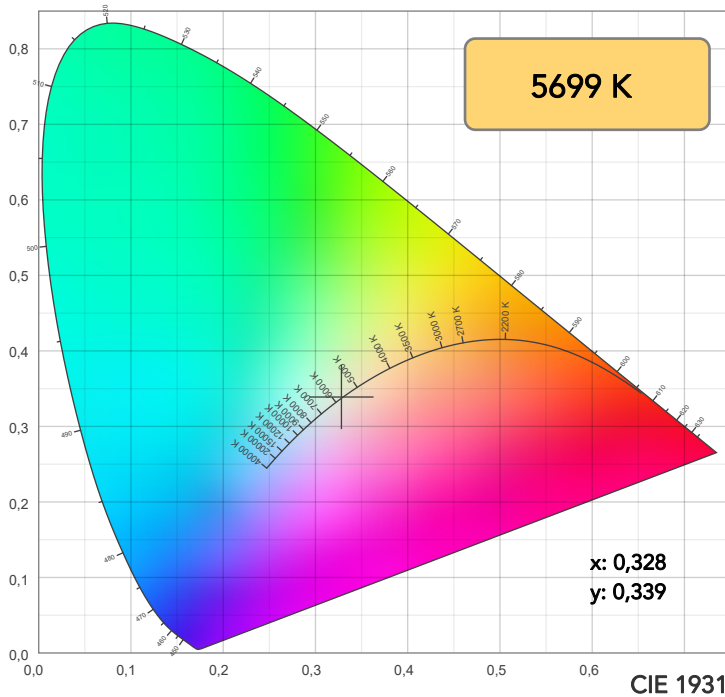
Field angle 10%: 76,8°

Cut off angle 2.5%: 110,9°

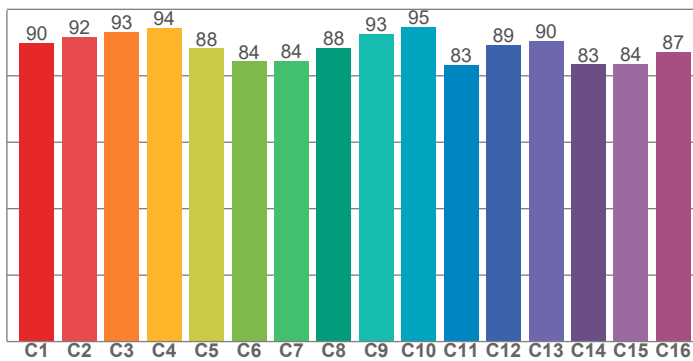
**Spectra**



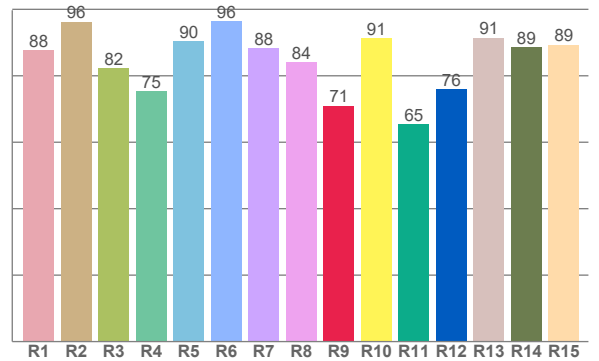
# COLOR DETAILS



TM30: 88,8



CRI: 87,5 (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
87,6	96,3	82,2	75,3	90,4	96,3	88,2	84,0	71,0	91,3	65,4	76,0	91,5	88,6	89,3

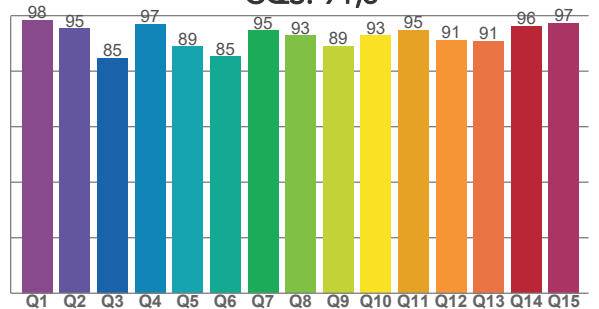
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,9	91,8	93,2	94,4	88,2	84,3	84,4	88,5	92,5	94,7	83,4	89,3	90,5	83,5	83,6	87,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,4	95,3	84,8	96,9	88,8	85,2	94,6	92,9	89,0	92,8	94,7	91,2	90,9	96,1	97,4

CQS: 91,5



## COLOR PARAMETERS

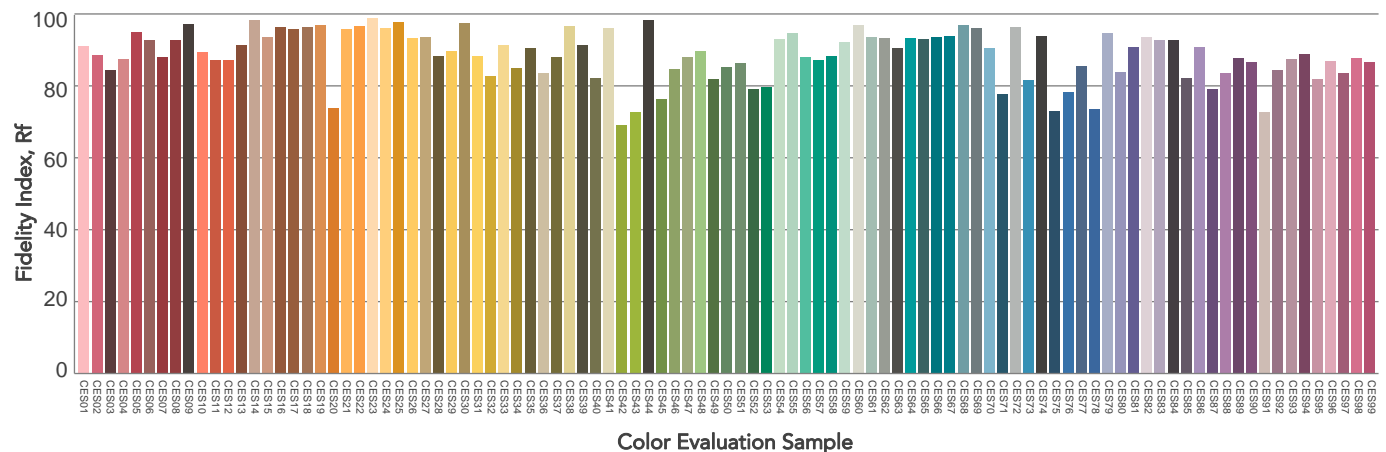
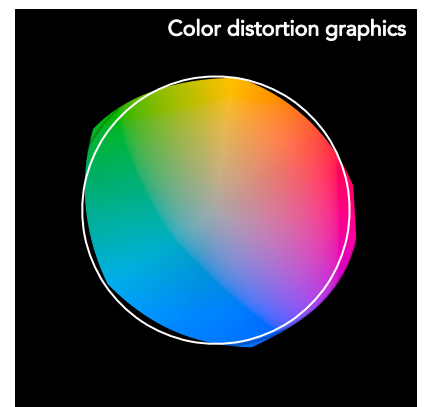
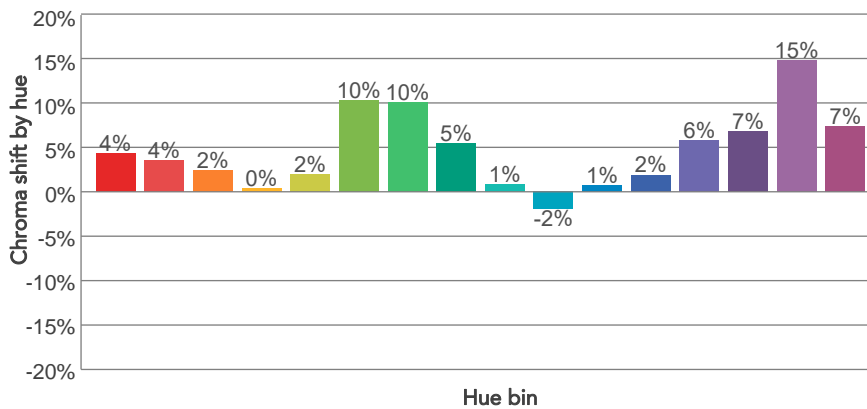
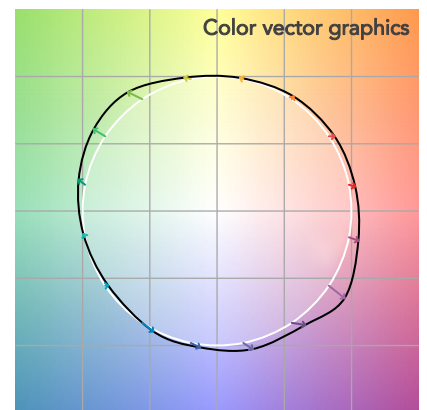
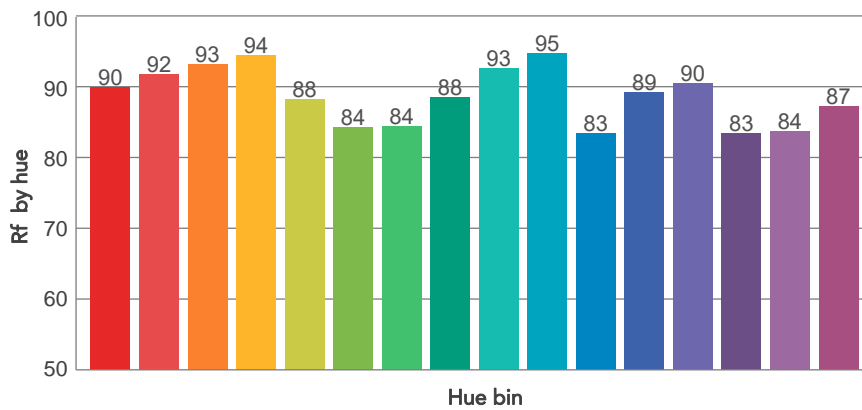
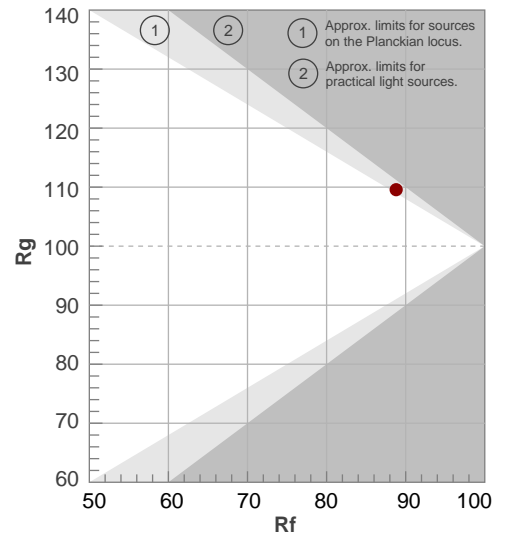
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5699 K	87,5	71,0	88,8	109,6	91,5	81	0,328	0,339	0,0024

# TM30 DETAILS

**Rf 88,8**  
Fidelity index Rf

**Rg 109,6**  
Gammut index

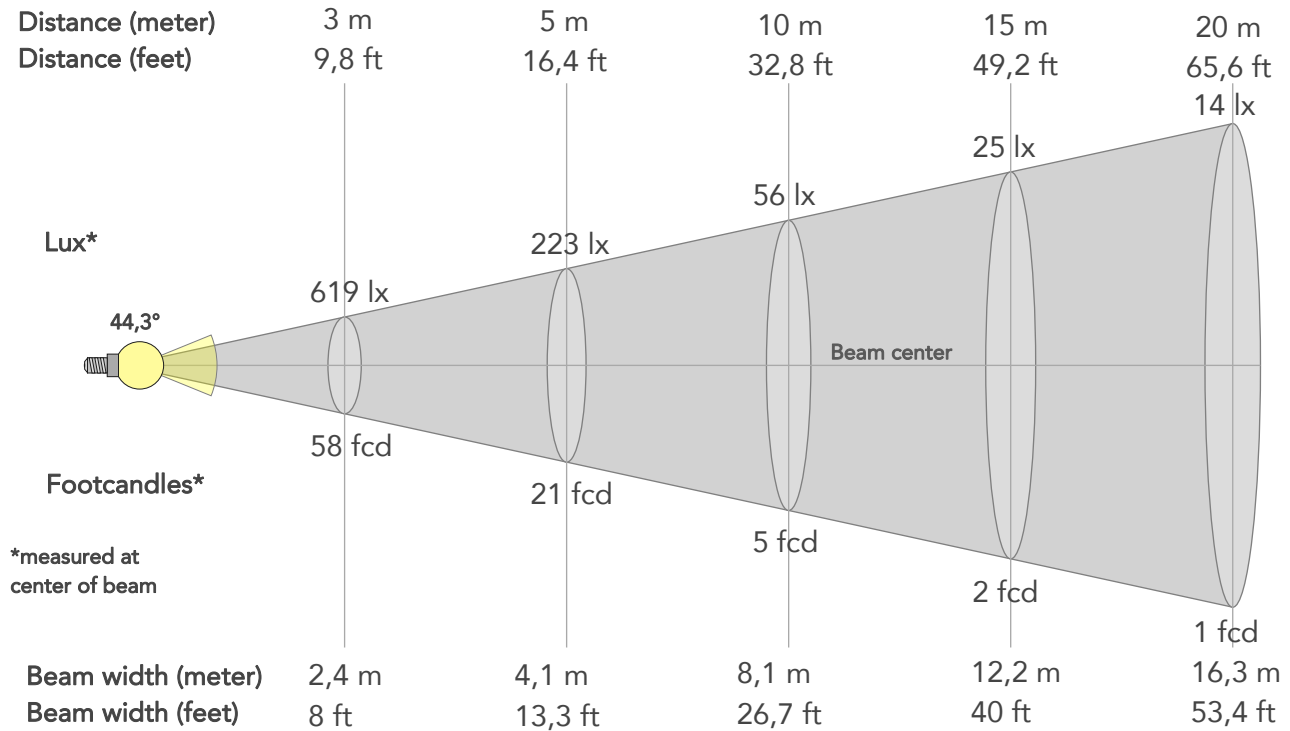
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	4%	-2%
2	92	4%	-2%
3	93	2%	0%
4	94	0%	2%
5	88	2%	4%
6	84	10%	6%
7	84	10%	0%
8	88	5%	-3%
9	93	1%	-3%
10	95	-2%	1%
11	83	1%	10%
12	89	2%	7%
13	90	6%	6%
14	83	7%	7%
15	84	15%	-1%
16	87	7%	-1%



# BEAM DETAILS



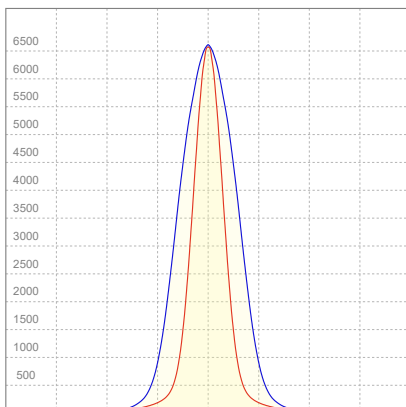
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,3°	76,8°	110,9°	95,7%	87,5%



## 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	5571lx	1393lx	619lx	348lx	223lx	99lx	56lx	25lx	14lx	9lx	6lx	3lx	2lx
Footcand.	518fcd	129fcd	58fcd	32fcd	21fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,3m	4,1m	6,1m	8,1m	12,2m	16,3m	20,3m	24,4m	32,6m	40,7m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,3ft	20ft	26,7ft	40ft	53,4ft	66,7ft	80,1ft	106,8ft	133,5ft

## LINEAR DISTRIBUTION DIAGRAM

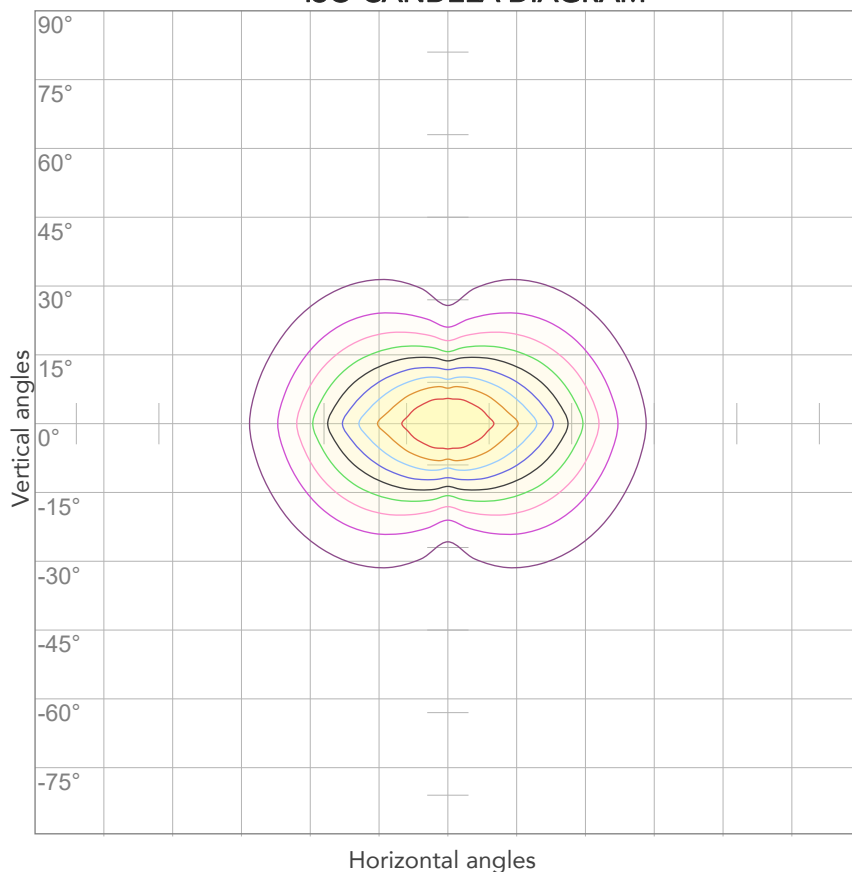


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,373A	77,9W	0,92	50lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



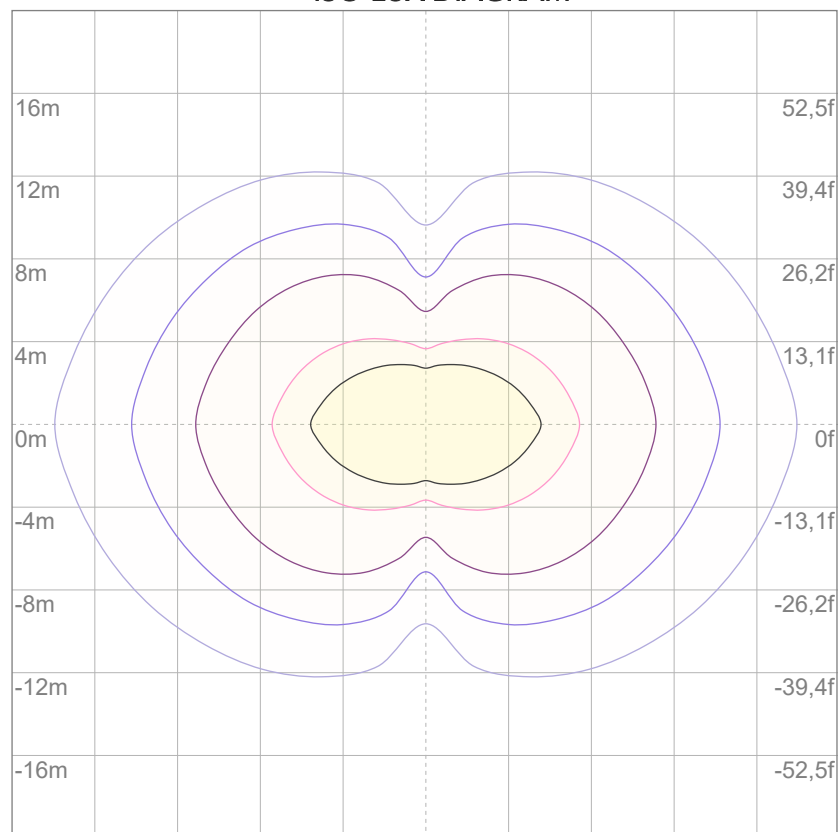
10%	557 cd
20%	1114 cd
30%	1671 cd
40%	2228 cd
50%	2786 cd
60%	3343 cd
70%	3900 cd
80%	4457 cd

### Conditions:

Number of c-planes: 4

Candela at center: 5571 cd

## ISO LUX DIAGRAM



3%	1,67 lx
5%	2,79 lx
10%	5,57 lx
30%	16,7 lx
50%	27,9 lx

### Conditions:

Number of c-planes: 4

Lux at center: 55,7 lx

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



Total lumen output:

4077 lm

Peak candela output:

77843 cd

Light quality:

CRI: 87,0

Color temperature:

6508 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10°

Target:

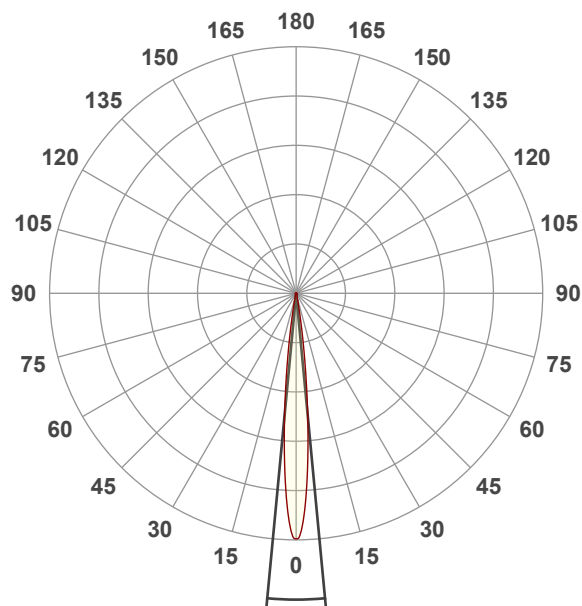
6500K

Operator:

Salvatore Giglio

Date and time:

23/02/2024 17:17:38

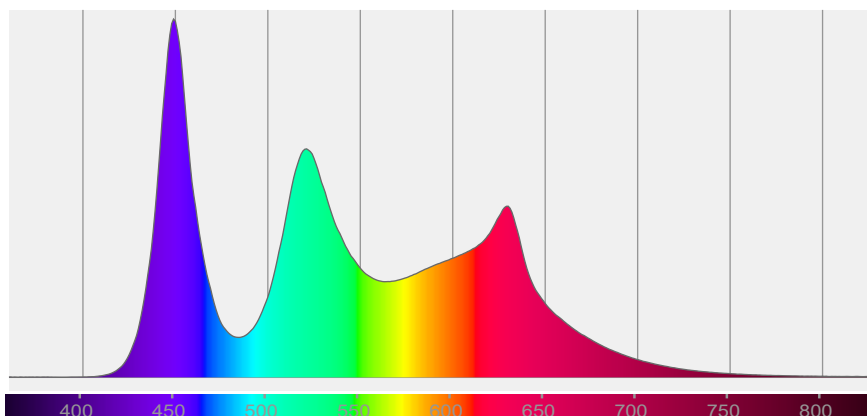


Beam angle 50%: 10,8°

Field angle 10%: 19,4°

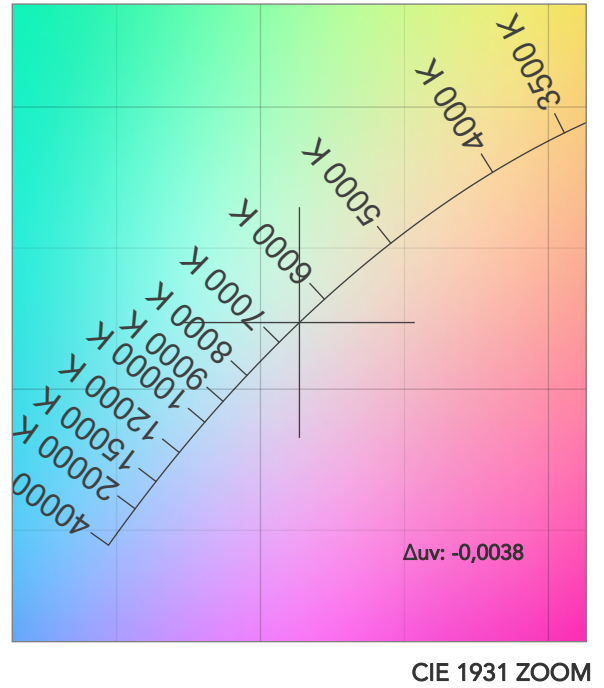
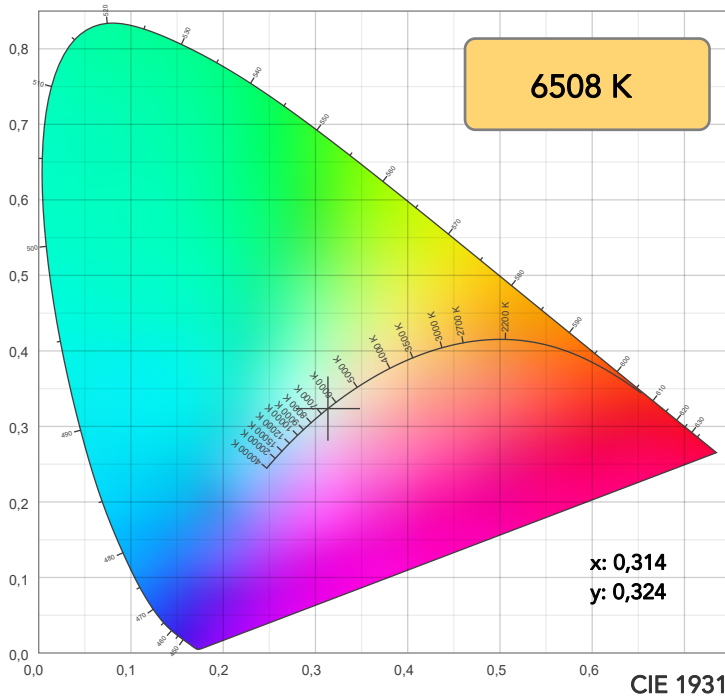
Cut off angle 2.5%: 26,2°

**Spectra**

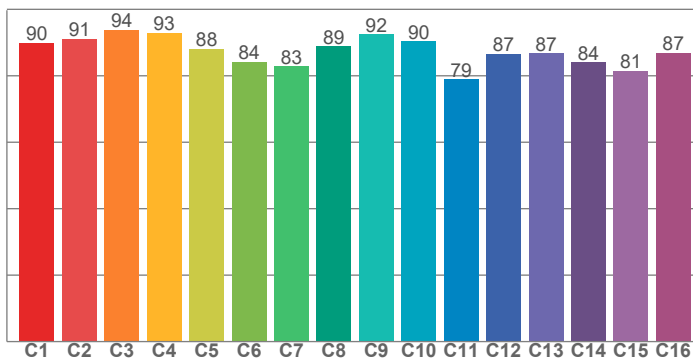




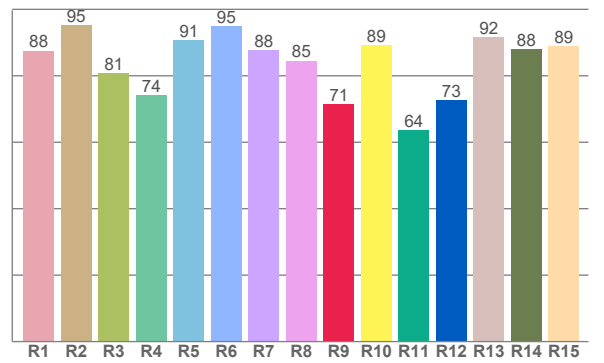
# COLOR DETAILS



TM30: 87,8



CRI: 87,0 (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
87,6	95,3	80,8	74,1	90,8	94,9	87,8	84,5	71,4	89,2	63,5	72,6	91,6	88,0	88,9

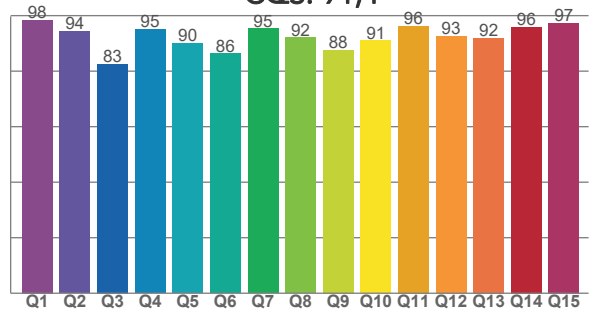
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,9	91,1	93,9	92,9	88,1	84,2	82,9	88,9	92,5	90,4	78,9	86,6	86,8	84,0	81,4	86,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,5	94,3	82,5	95,1	90,0	86,3	95,4	92,1	87,7	91,0	96,3	92,7	91,9	96,0	97,3

CQS: 91,4



## COLOR PARAMETERS

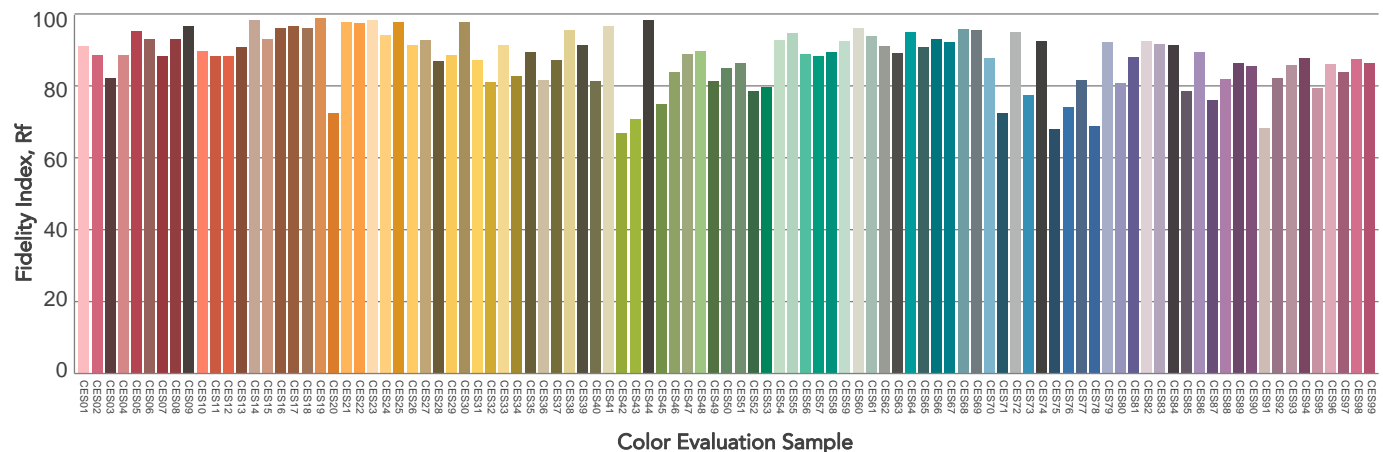
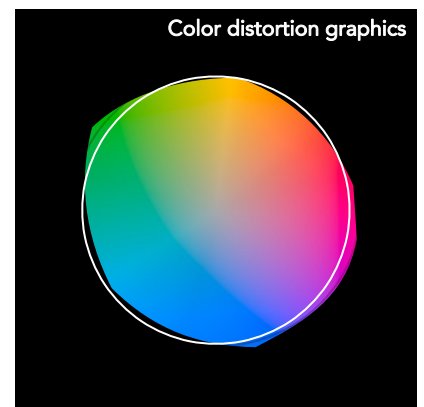
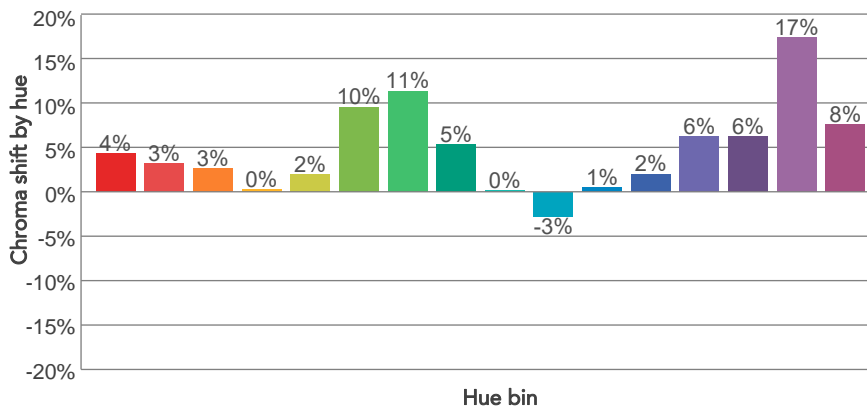
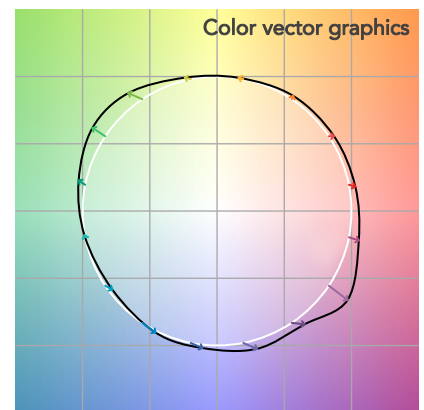
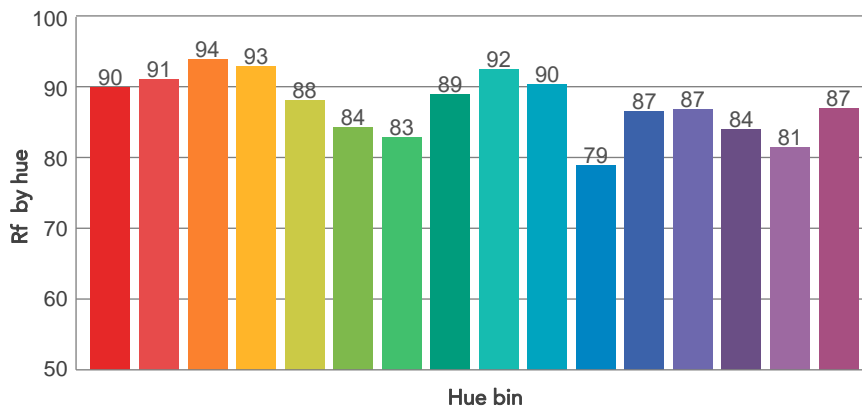
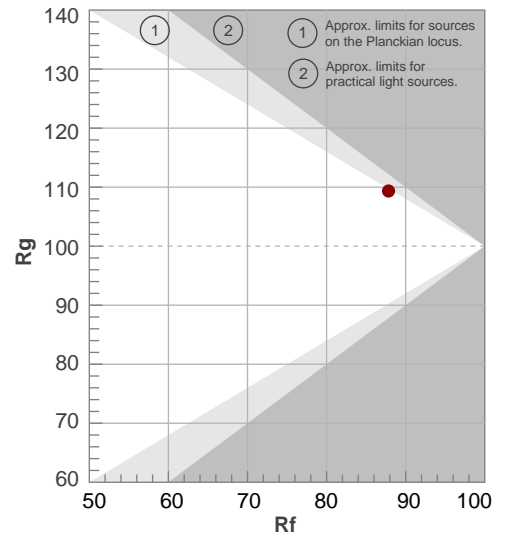
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6508 K	87,0	71,4	87,8	109,3	91,4	81	0,314	0,324	-0,0038

# TM30 DETAILS

**Rf 87,8**  
Fidelity index Rf

**Rg 109,3**  
Gammut index

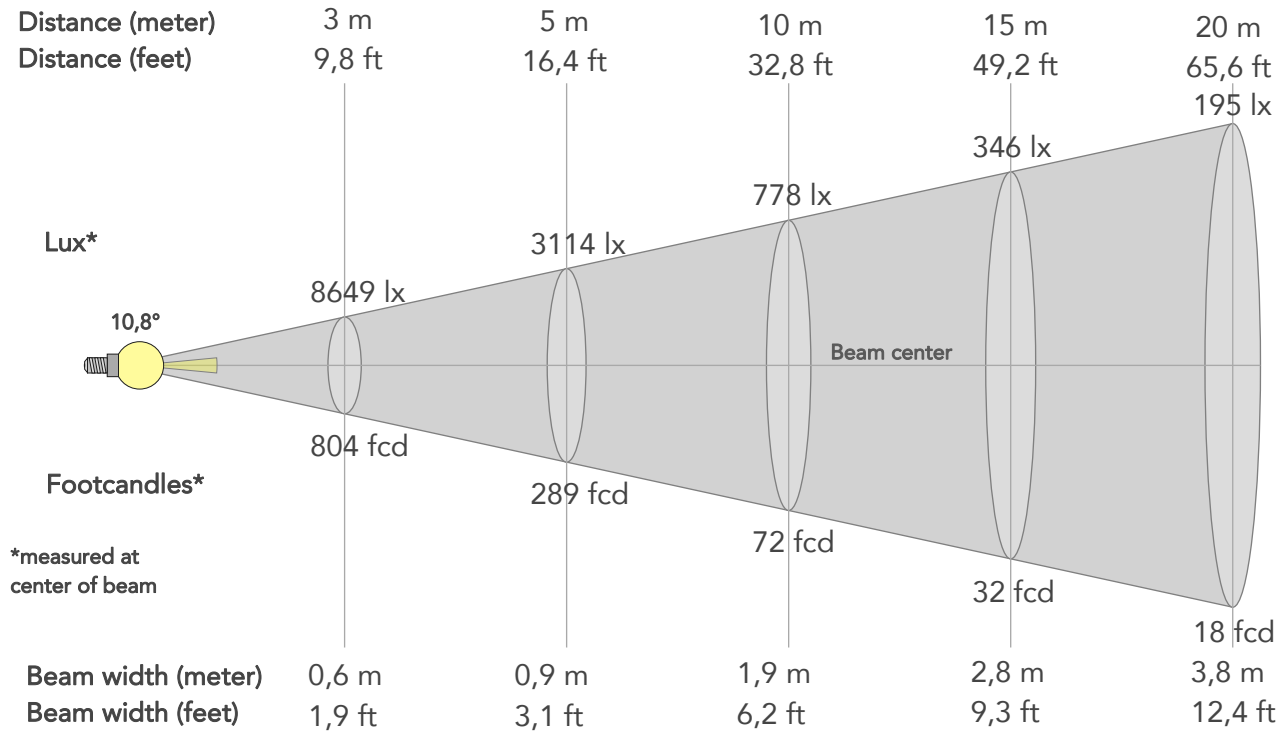
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	4%	-2%
2	91	3%	-2%
3	94	3%	1%
4	93	0%	4%
5	88	2%	4%
6	84	10%	6%
7	83	11%	0%
8	89	5%	-2%
9	92	0%	-1%
10	90	-3%	5%
11	79	1%	12%
12	87	2%	9%
13	87	6%	9%
14	84	6%	7%
15	81	17%	-1%
16	87	8%	-1%



# BEAM DETAILS



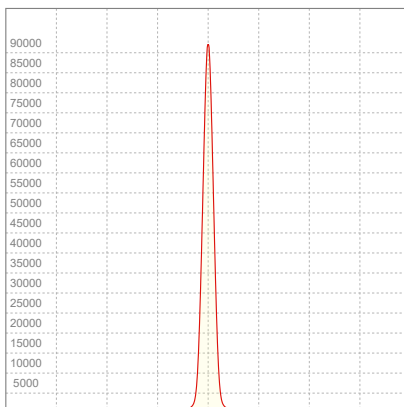
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,8°	19,4°	26,2°	96,5%	93,2%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	77843lx	19461lx	8649lx	4865lx	3114lx	1384lx	778lx	346lx	195lx	125lx	86lx	49lx	31lx
Footcand.	7232fcd	1808fcd	804fcd	452fcd	289fcd	129fcd	72fcd	32fcd	18fcd	12fcd	8fcd	5fcd	3fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	0,9m	1,4m	1,9m	2,8m	3,8m	4,7m	5,7m	7,6m	9,5m
Beam wid.	0,6ft	1,3ft	1,9ft	2,5ft	3,1ft	4,7ft	6,2ft	9,3ft	12,4ft	15,5ft	18,6ft	24,9ft	31,1ft

## LINEAR DISTRIBUTION DIAGRAM

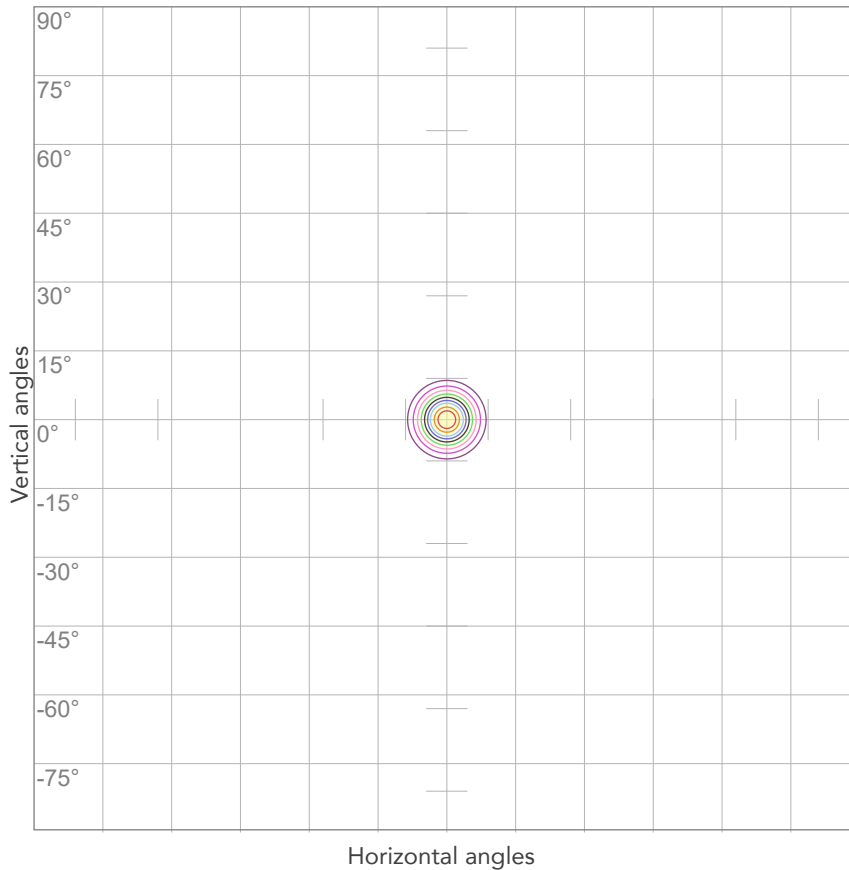


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,382A	79,4W	0,92	51lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



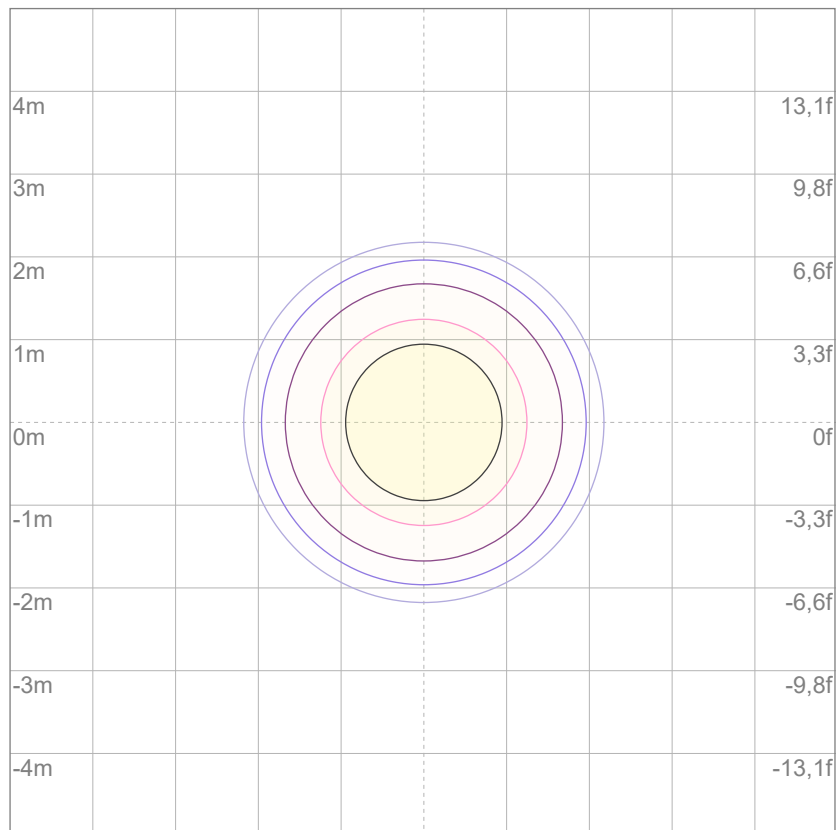
10%	7784 cd
20%	15569 cd
30%	23353 cd
40%	31137 cd
50%	38922 cd
60%	46706 cd
70%	54490 cd
80%	62275 cd

### Conditions:

Number of c-planes: 2

Candela at center: 77843 cd

## ISO LUX DIAGRAM



3%	23,4 lx
5%	38,9 lx
10%	77,8 lx
30%	234 lx
50%	389 lx

### Conditions:

Number of c-planes: 2

Lux at center: 778 lx

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



Total lumen output:

3644 lm

Peak candela output:

14658 cd

Light quality:

CRI: 87,6

Color temperature:

6698 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 20° Filter

Target:

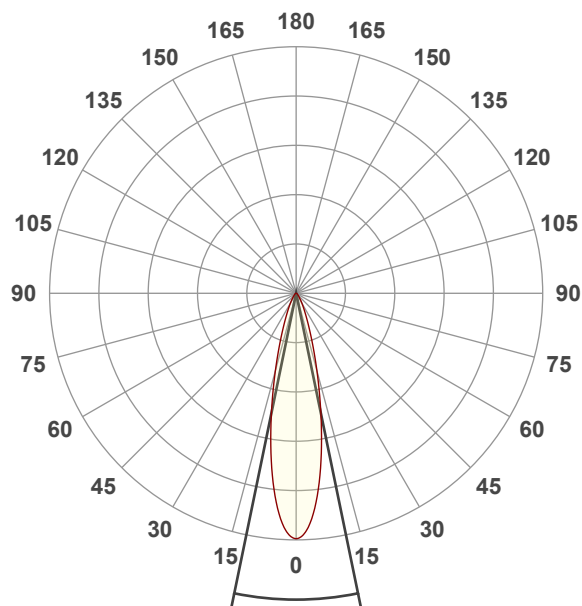
6500K

Operator:

Salvatore Giglio

Date and time:

23/02/2024 17:34:14

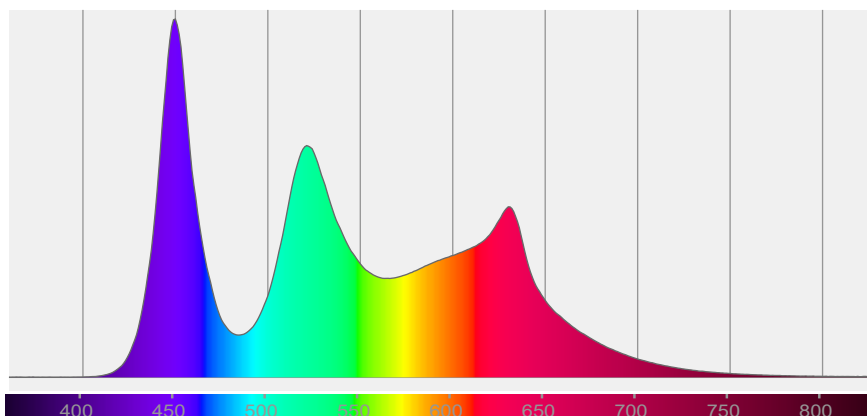


Beam angle 50%: 23,3°

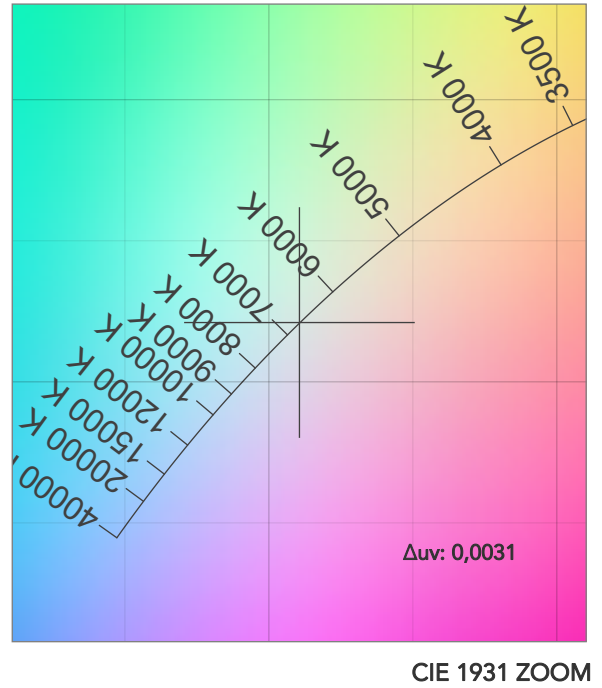
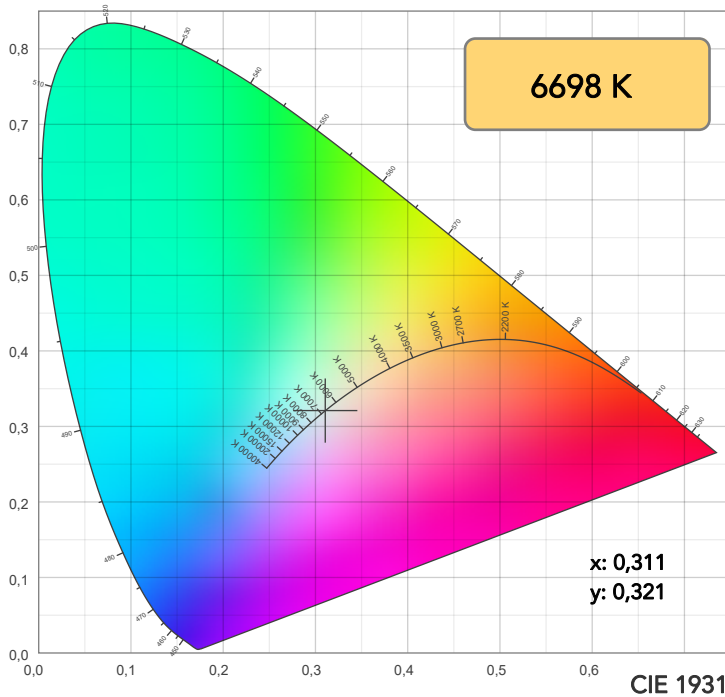
Field angle 10%: 47,3°

Cut off angle 2.5%: 72°

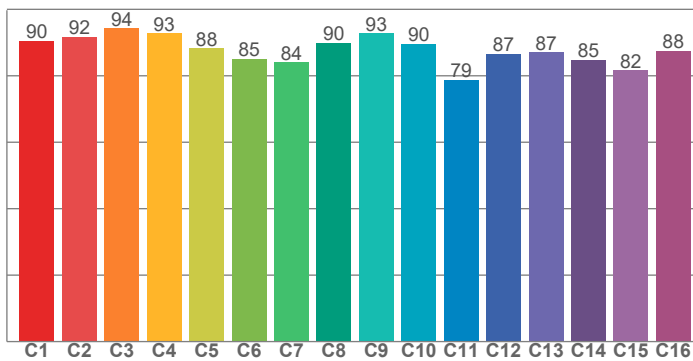
**Spectra**



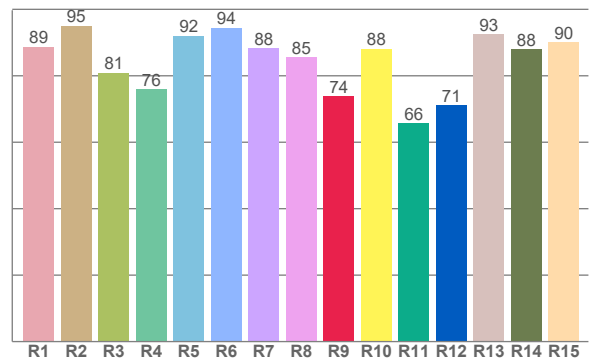
# COLOR DETAILS



TM30: 88,2



CRI: 87,6 (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
88,8	95,0	80,9	75,9	92,0	94,5	88,3	85,5	73,9	88,1	65,8	71,2	92,6	88,1	90,1

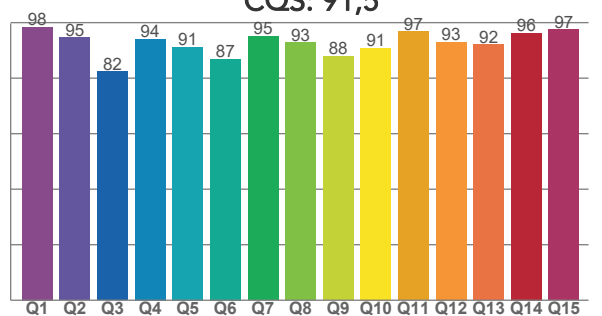
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,4	91,7	94,3	92,8	88,2	85,1	84,0	89,8	92,7	89,7	78,7	86,7	87,1	84,8	81,6	87,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,5	94,6	82,3	94,1	91,2	86,9	95,1	92,8	87,9	90,9	96,7	93,1	92,1	96,3	97,5

CQS: 91,5



## COLOR PARAMETERS

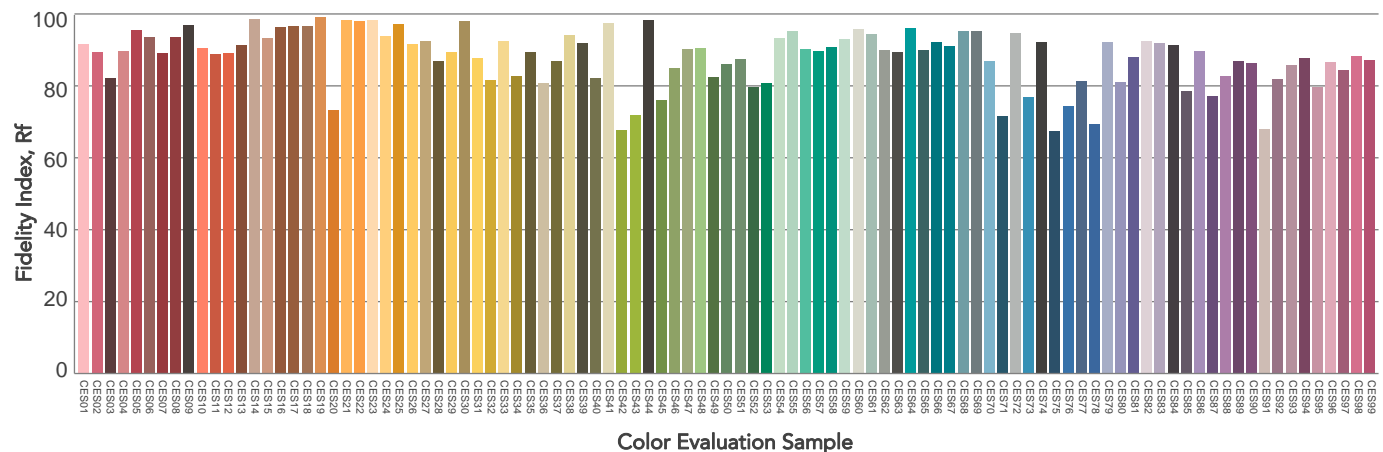
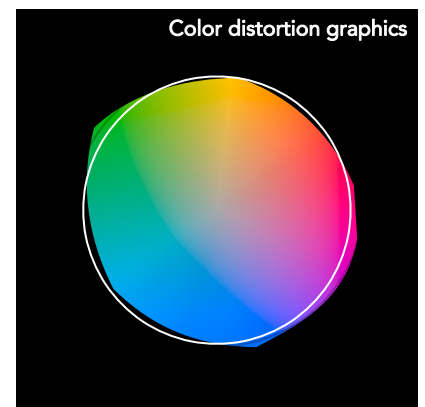
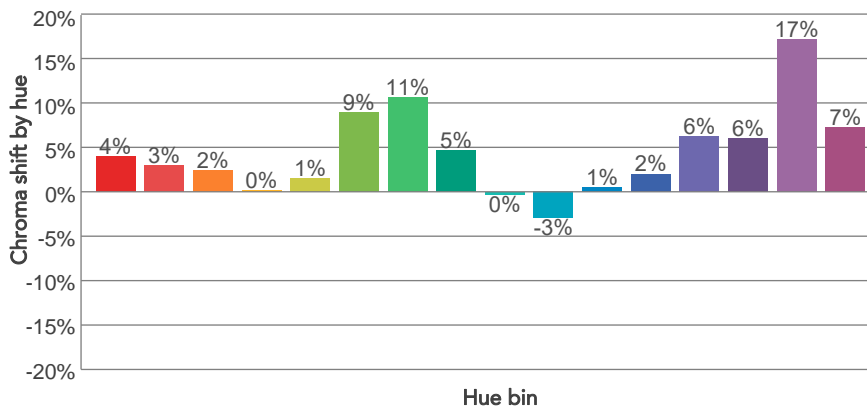
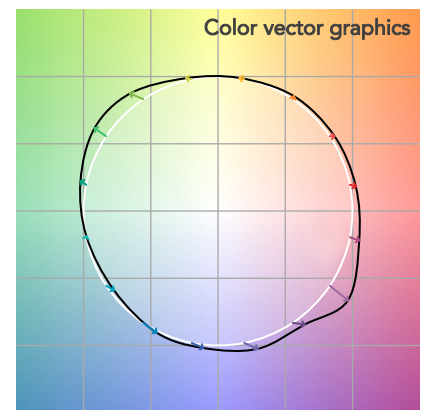
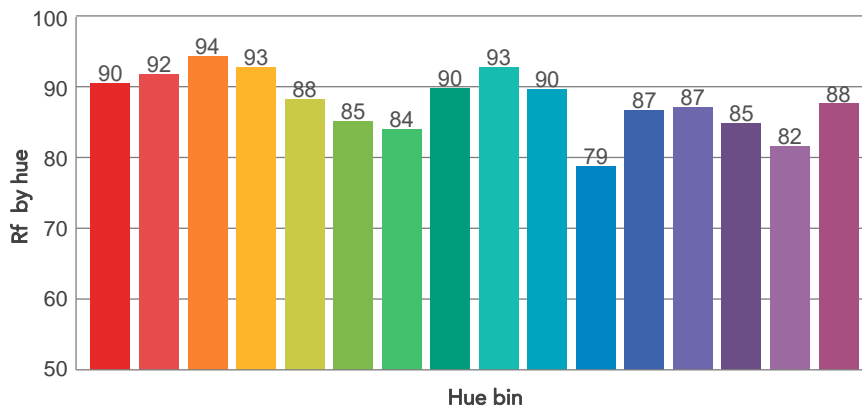
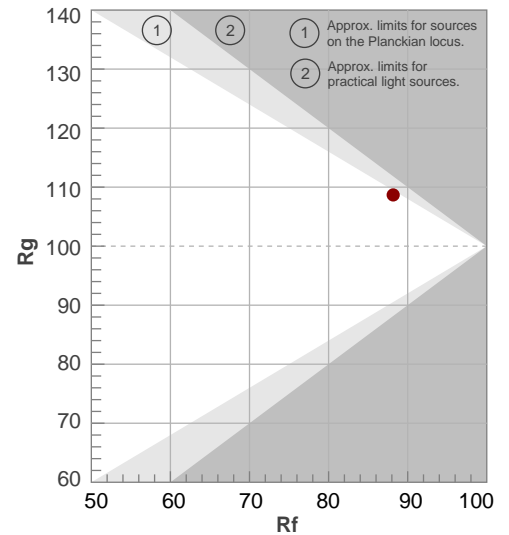
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
6698 K	87,6	73,9	88,2	108,7	91,5	83	0,311	0,321	0,0031

# TM30 DETAILS

**Rf 88,2**  
Fidelity index Rf

**Rg 108,7**  
Gammut index

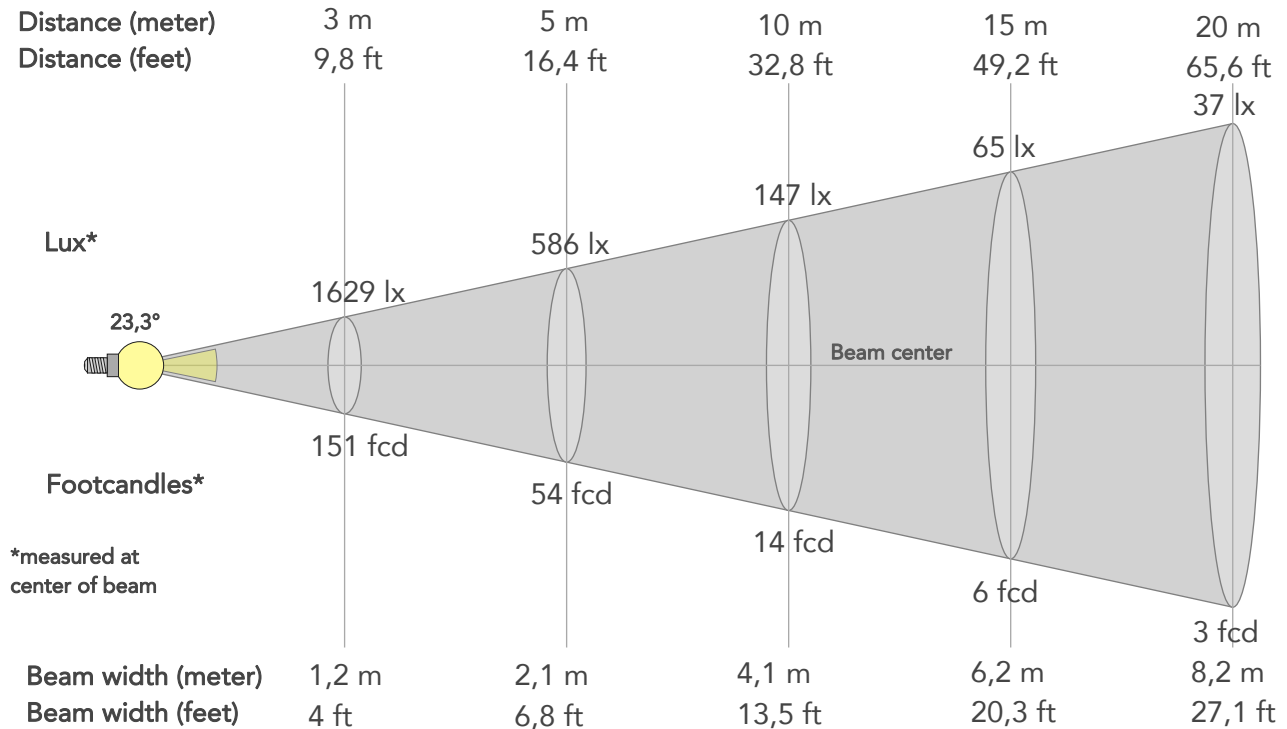
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	4%	-2%
2	92	3%	-2%
3	94	2%	1%
4	93	0%	4%
5	88	1%	4%
6	85	9%	6%
7	84	11%	0%
8	90	5%	-2%
9	93	0%	-1%
10	90	-3%	6%
11	79	1%	12%
12	87	2%	9%
13	87	6%	9%
14	85	6%	7%
15	82	17%	-2%
16	88	7%	-1%



# BEAM DETAILS



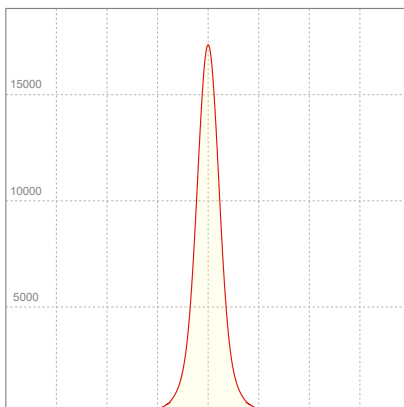
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,3°	47,3°	72°	96,8%	92,5%



## 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	14658lx	3665lx	1629lx	916lx	586lx	261lx	147lx	65lx	37lx	23lx	16lx	9lx	6lx
Footcand.	1362fcd	340fcd	151fcd	85fcd	54fcd	24fcd	14fcd	6fcd	3fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2,1m	3,1m	4,1m	6,2m	8,2m	10,3m	12,4m	16,5m	20,6m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,8ft	10,1ft	13,5ft	20,3ft	27,1ft	33,8ft	40,6ft	54,1ft	67,6ft

## LINEAR DISTRIBUTION DIAGRAM



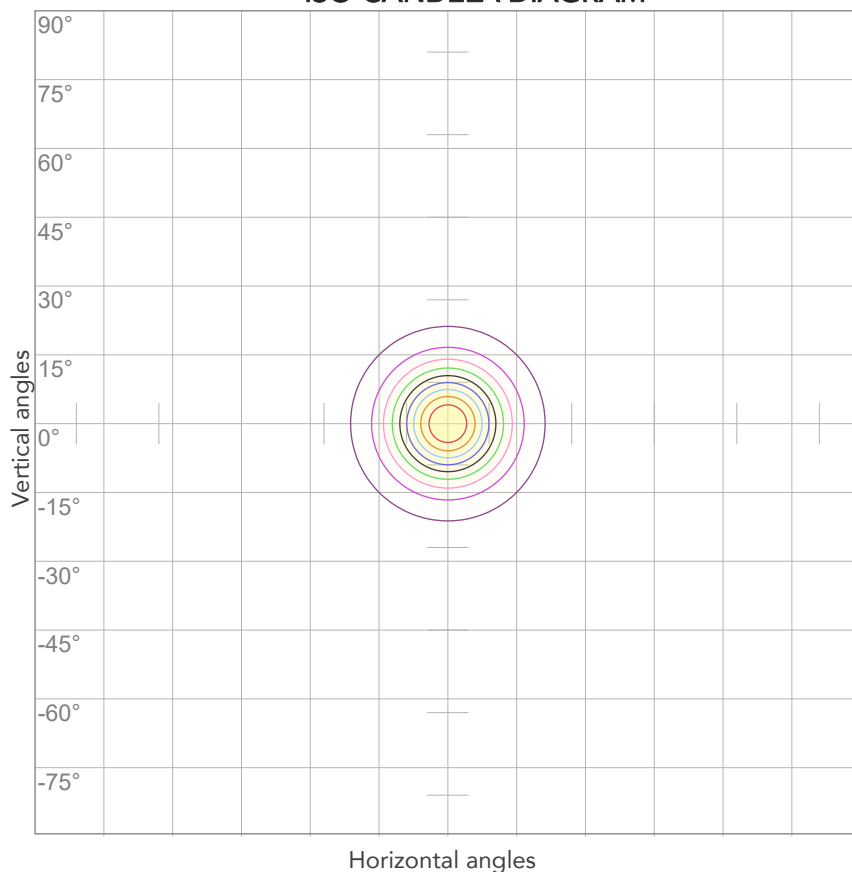
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,377A	78,3W	0,92	47lm/W



# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



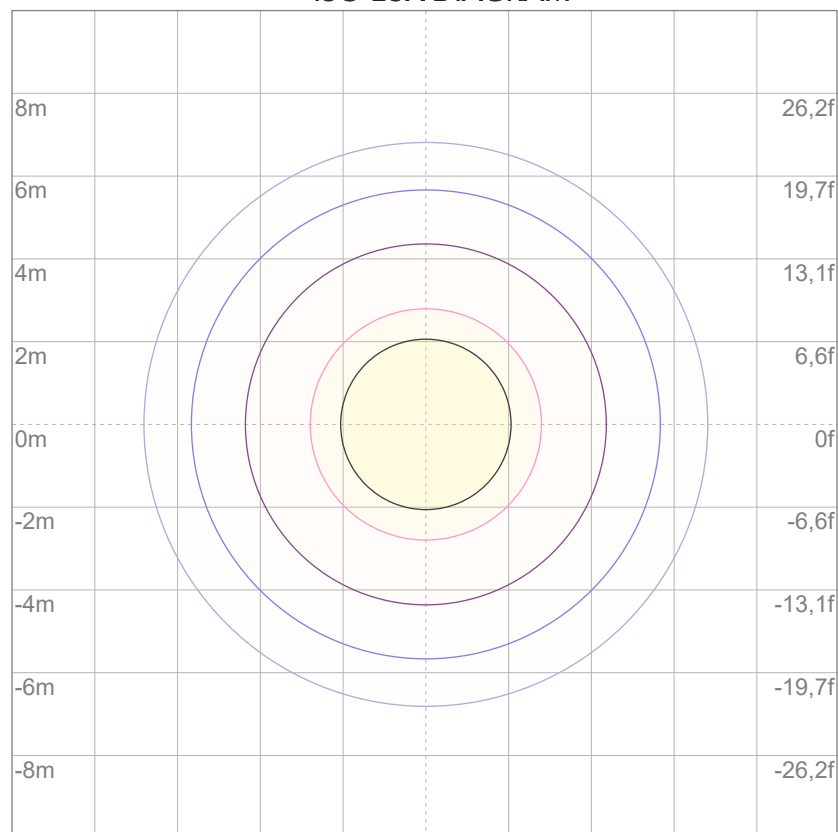
10%	1466 cd
20%	2932 cd
30%	4397 cd
40%	5863 cd
50%	7329 cd
60%	8795 cd
70%	10261 cd
80%	11727 cd

### Conditions:

Number of c-planes: 2

Candela at center: 14658 cd

## ISO LUX DIAGRAM



3%	4,40 lx
5%	7,33 lx
10%	14,7 lx
30%	44,0 lx
50%	73,3 lx

### Conditions:

Number of c-planes: 2

Lux at center: 147 lx

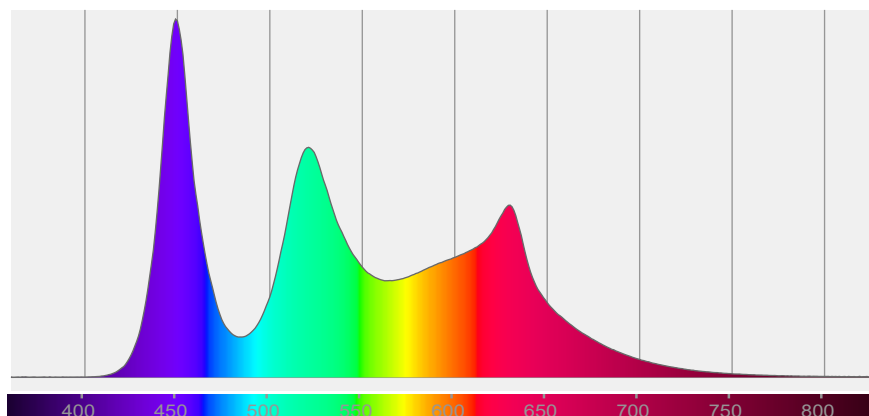
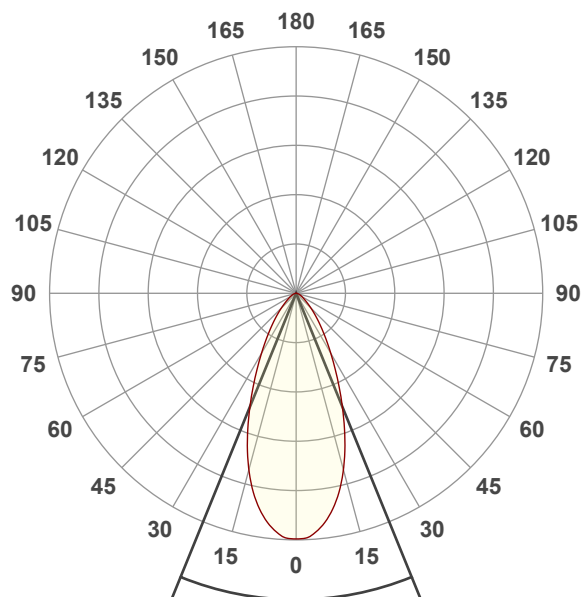
*Lux distribution on a surface when lamp is mounted at 10 meters from the surface.*

3506 lm

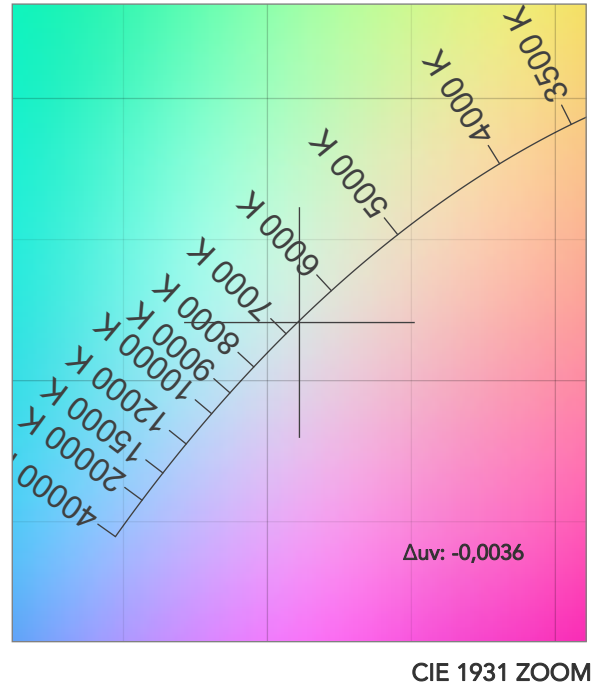
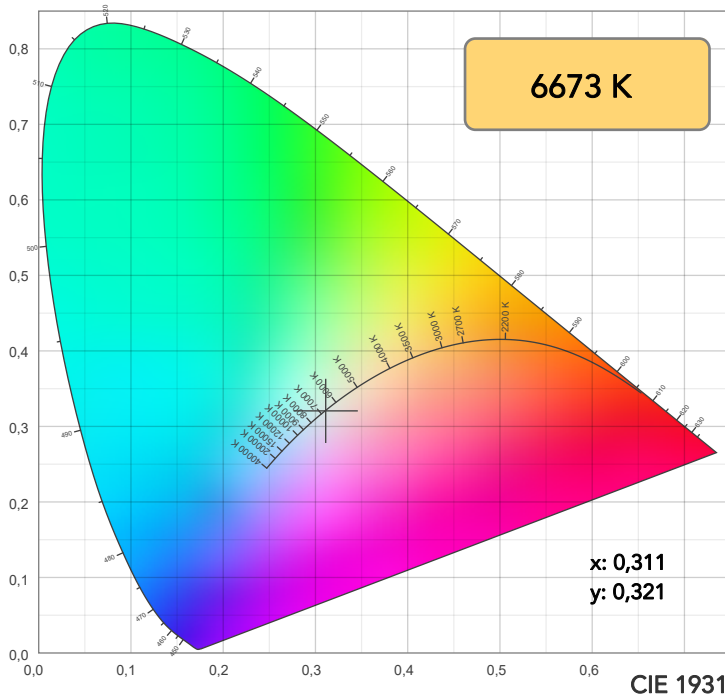
4722 cd

**CRI: 87,1**

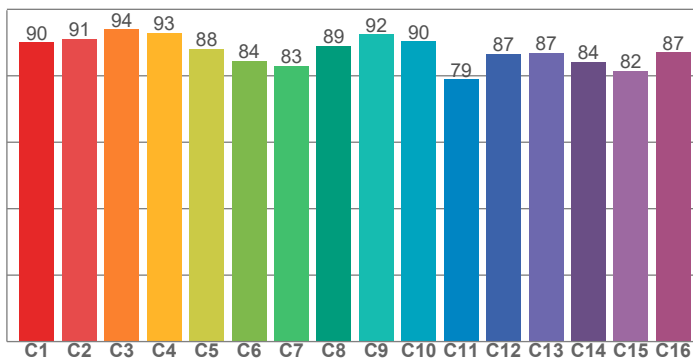
6673 K



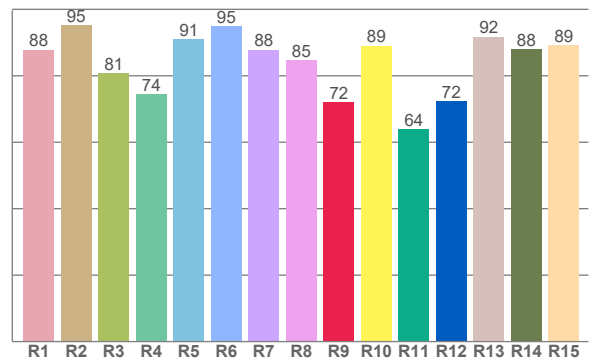
# COLOR DETAILS



TM30: 87,9



CRI: 87,1 (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
87,8	95,2	80,9	74,5	91,0	94,9	87,9	84,7	72,1	89,0	64,0	72,3	91,8	88,0	89,2

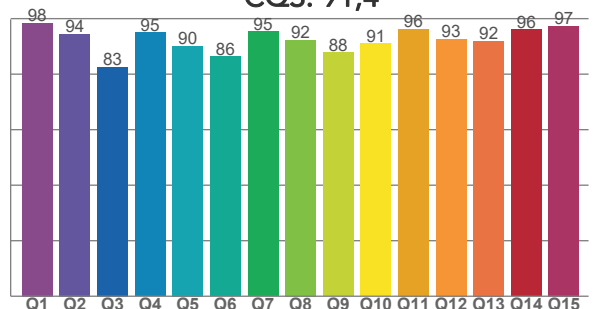
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,0	91,2	94,0	92,9	88,2	84,4	83,1	89,1	92,5	90,3	79,0	86,7	86,9	84,2	81,5	87,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,5	94,4	82,5	95,0	90,2	86,3	95,3	92,2	87,8	91,1	96,3	92,7	91,9	96,0	97,3

CQS: 91,4



## COLOR PARAMETERS

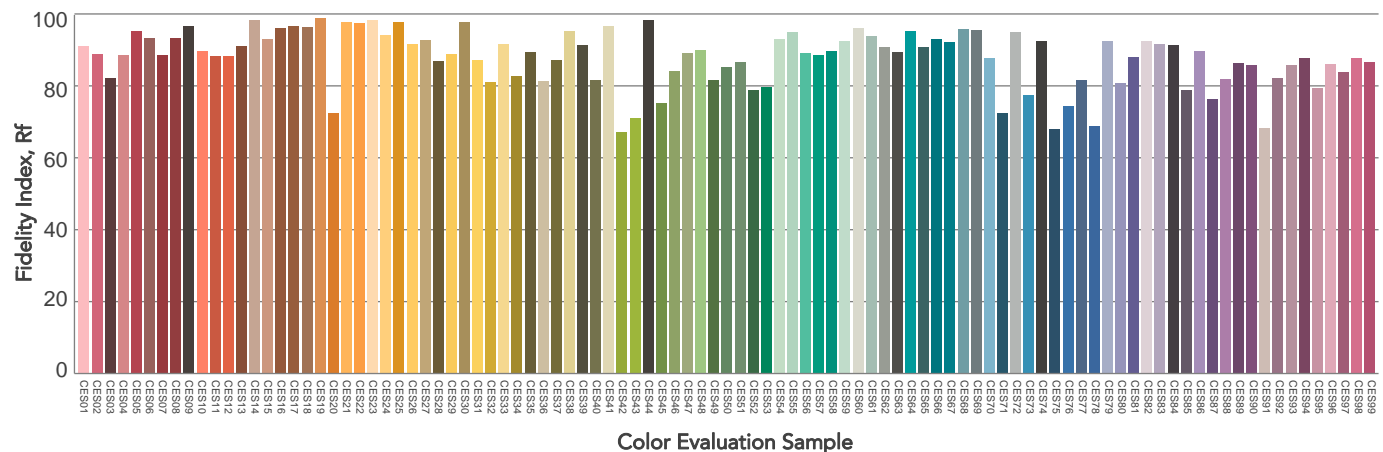
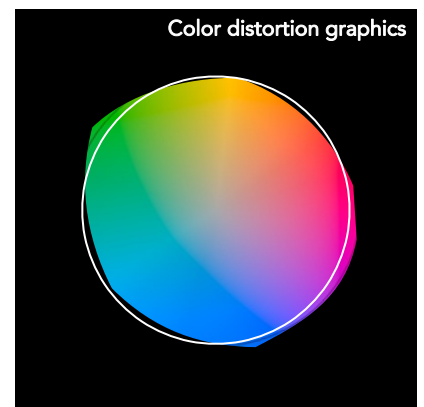
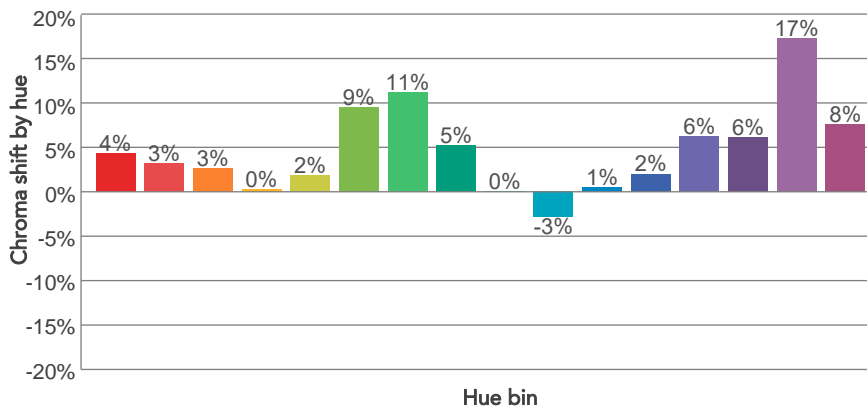
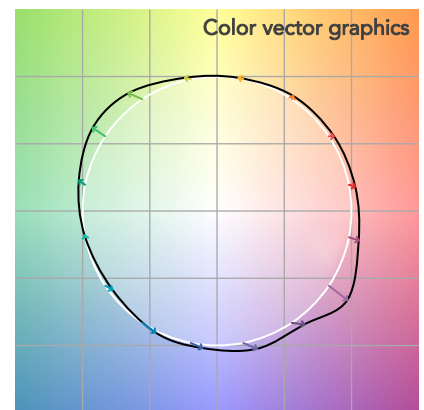
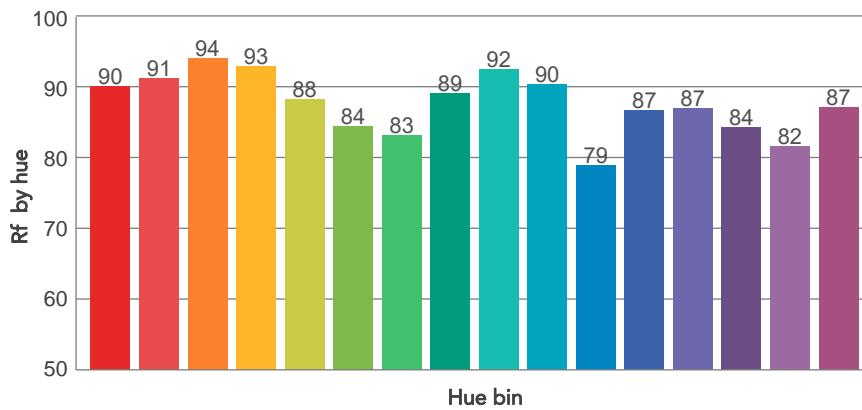
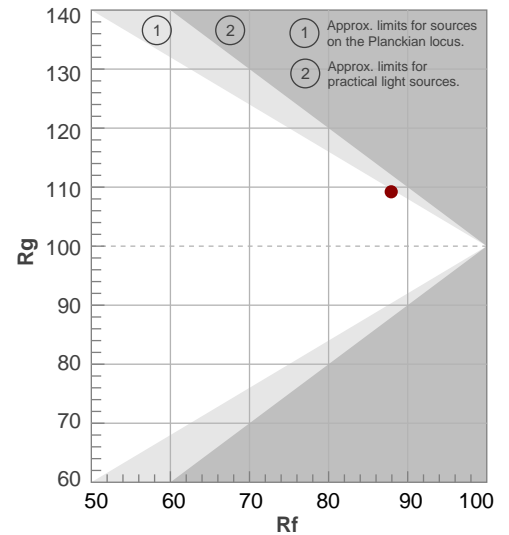
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
6673 K	87,1	72,1	87,9	109,2	91,4	82	0,311	0,321	-0,0036

# TM30 DETAILS

**Rf 87,9**  
Fidelity index Rf

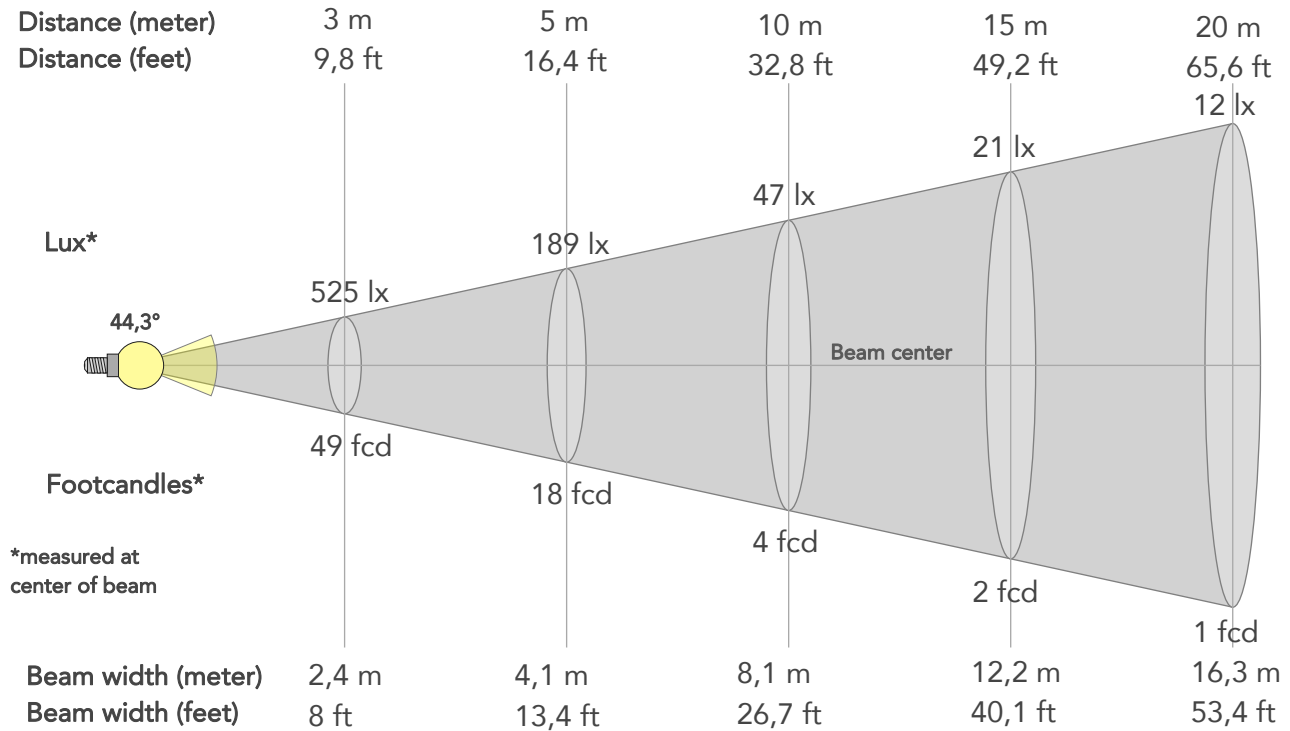
**Rg 109,2**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	4%	-2%
2	91	3%	-2%
3	94	3%	1%
4	93	0%	4%
5	88	2%	4%
6	84	9%	6%
7	83	11%	0%
8	89	5%	-2%
9	92	0%	-1%
10	90	-3%	5%
11	79	1%	12%
12	87	2%	9%
13	87	6%	9%
14	84	6%	7%
15	82	17%	-1%
16	87	8%	-1%



# BEAM DETAILS

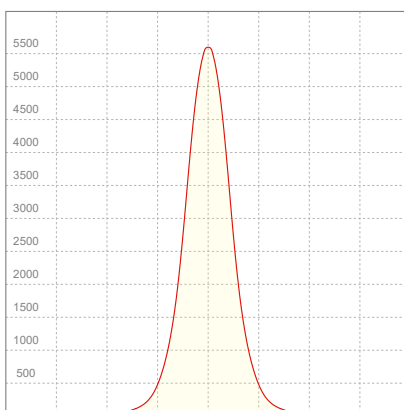
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,3°	86,4°	122,2°	95,3%	86,8%



## 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	4722lx	1180lx	525lx	295lx	189lx	84lx	47lx	21lx	12lx	8lx	5lx	3lx	2lx
Footcand.	439fcd	110fcd	49fcd	27fcd	18fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,3m	4,1m	6,1m	8,1m	12,2m	16,3m	20,4m	24,4m	32,6m	40,7m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,4ft	20ft	26,7ft	40,1ft	53,4ft	66,8ft	80,1ft	106,9ft	133,6ft

## LINEAR DISTRIBUTION DIAGRAM

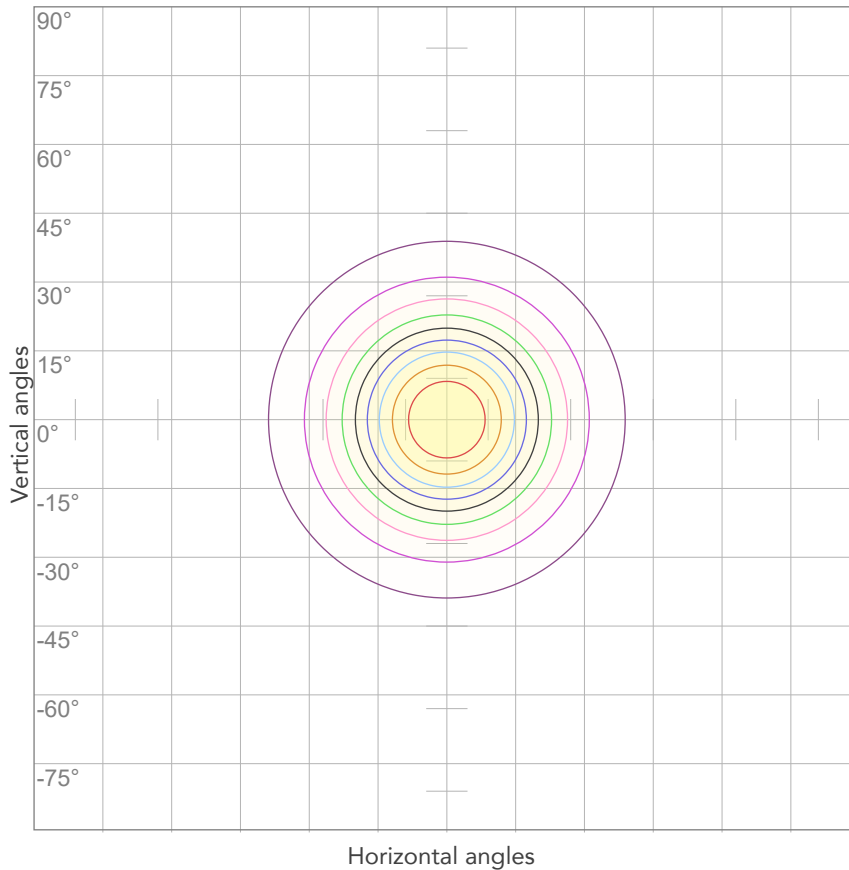


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,380A	79,2W	0,92	44lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



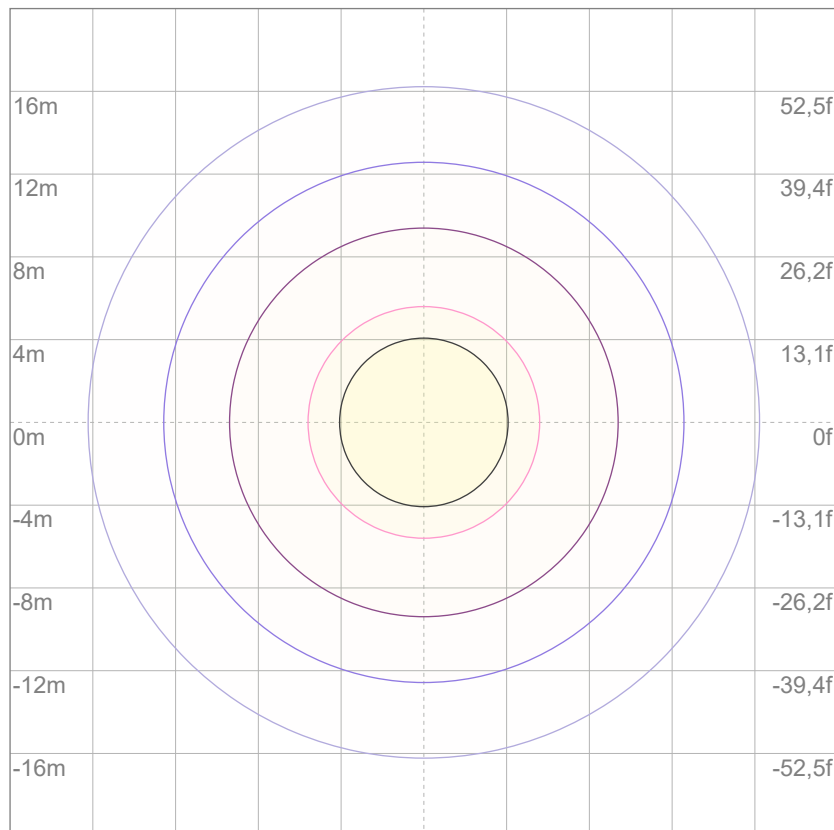
10%	472 cd
20%	944 cd
30%	1416 cd
40%	1889 cd
50%	2361 cd
60%	2833 cd
70%	3305 cd
80%	3777 cd

### Conditions:

Number of c-planes: 2

Candela at center: 4722 cd

## ISO LUX DIAGRAM



3%	1,42 lx
5%	2,36 lx
10%	4,72 lx
30%	14,2 lx
50%	23,6 lx

### Conditions:

Number of c-planes: 2

Lux at center: 47,2 lx

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



Total lumen output:

3489 lm

Peak candela output:

3155 cd

Light quality:

CRI: 87,3

Color temperature:

6698 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 60° Filter

Target:

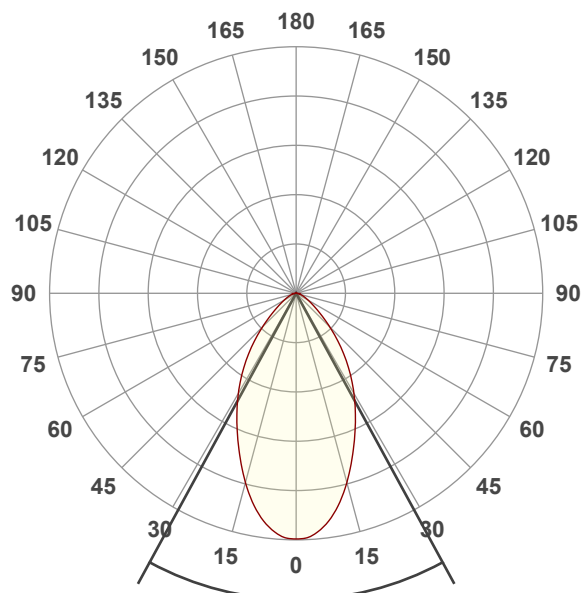
6500K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 11:15:20

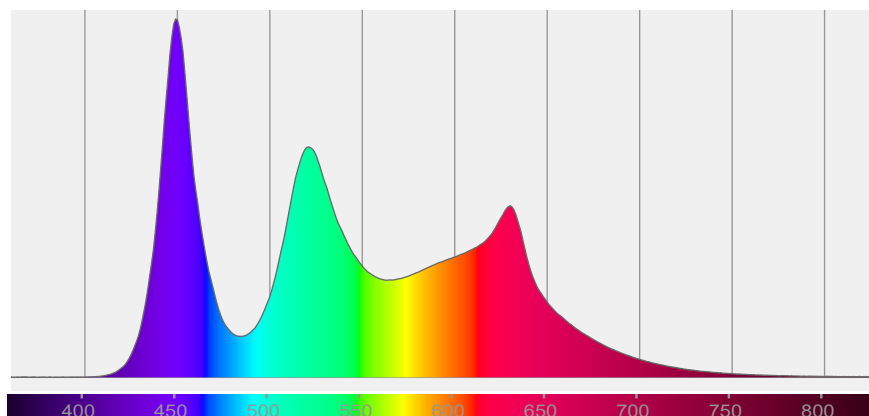


Beam angle 50%: 57,1°

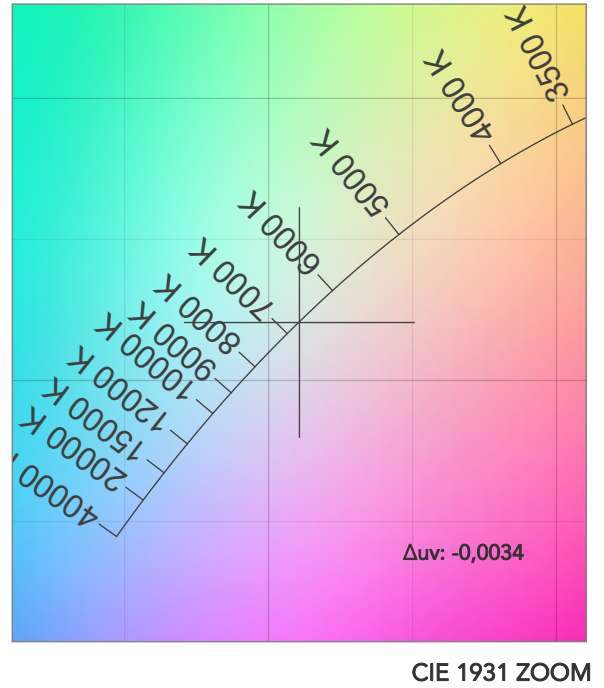
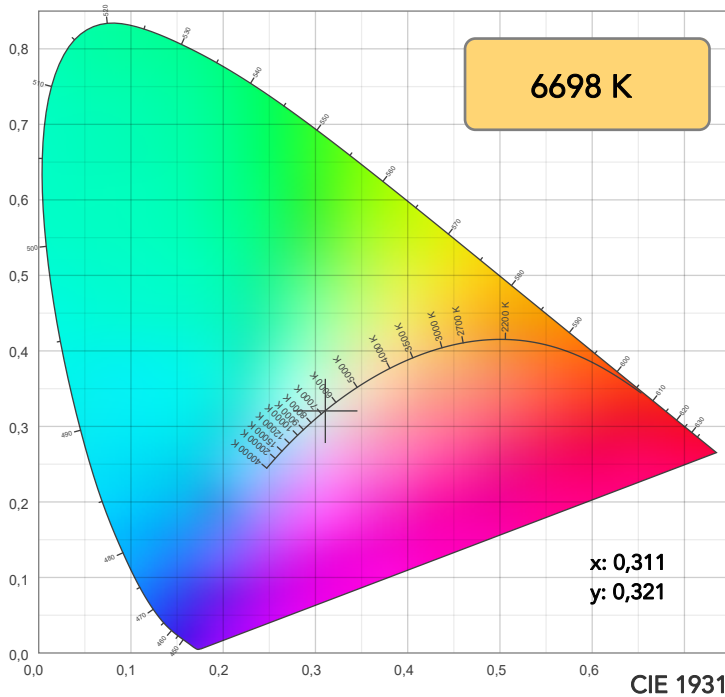
Field angle 10%: 105,8°

Cut off angle 2.5%: 142,4°

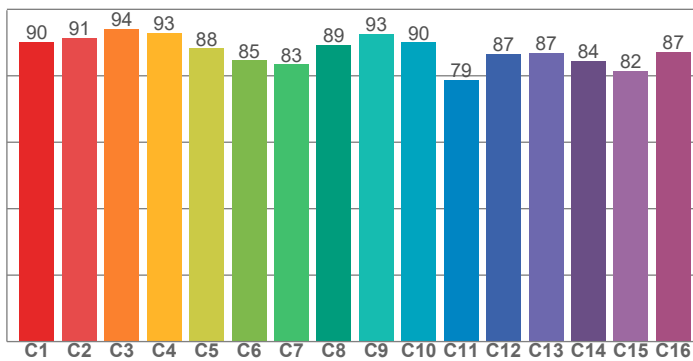
**Spectra**



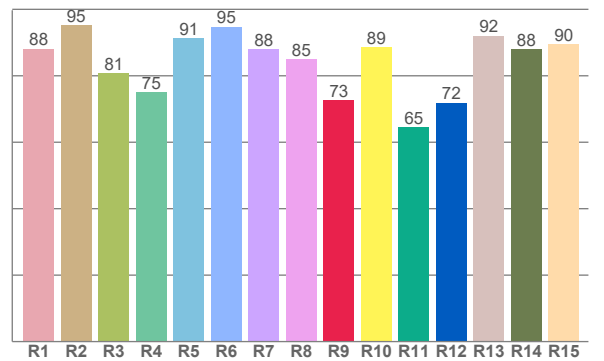
# COLOR DETAILS



TM30: 88,0



CRI: 87,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
88,2	95,1	80,8	75,0	91,4	94,7	88,0	85,0	72,7	88,7	64,6	71,9	92,1	88,0	89,6

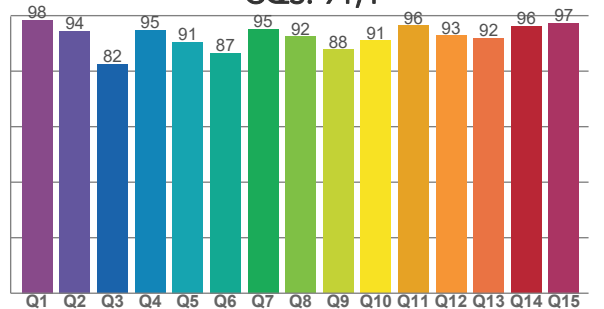
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,2	91,4	94,1	92,9	88,2	84,7	83,4	89,3	92,6	90,1	78,8	86,7	87,0	84,4	81,5	87,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,5	94,5	82,5	94,7	90,5	86,6	95,2	92,4	87,8	91,0	96,4	92,8	91,9	96,2	97,4

CQS: 91,4



## COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
6698 K	87,3	72,7	88,0	109,0	91,4	82	0,311	0,321	-0,0034

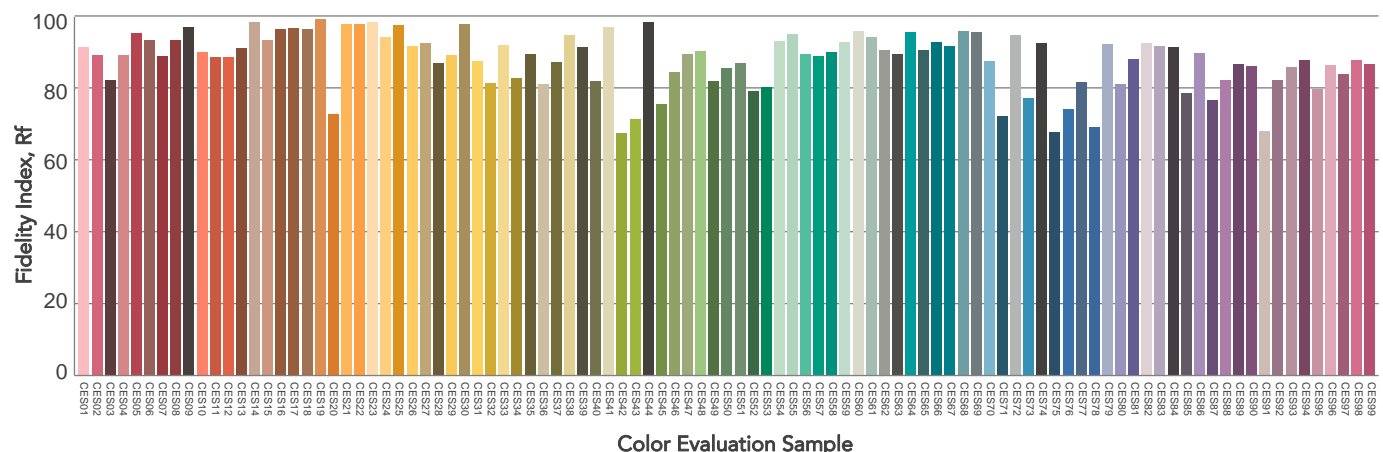
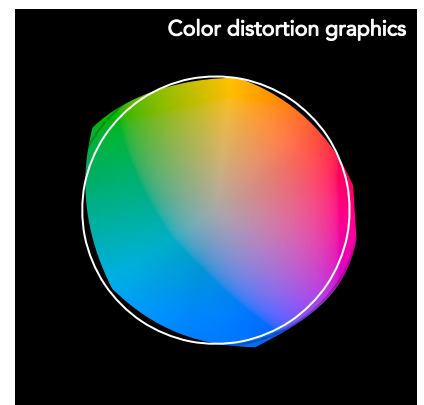
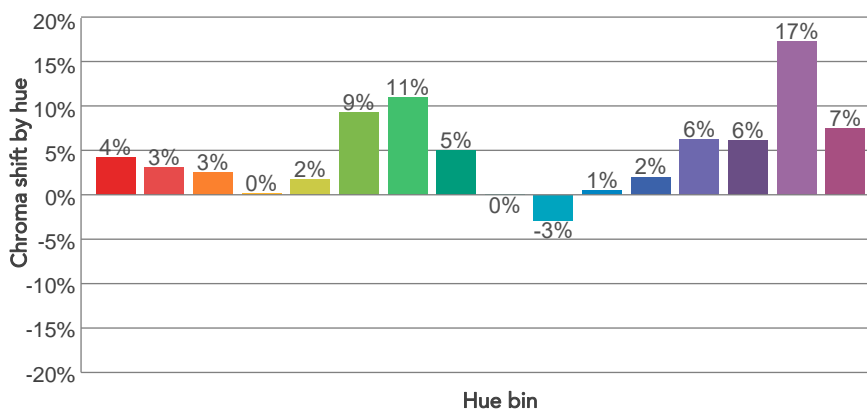
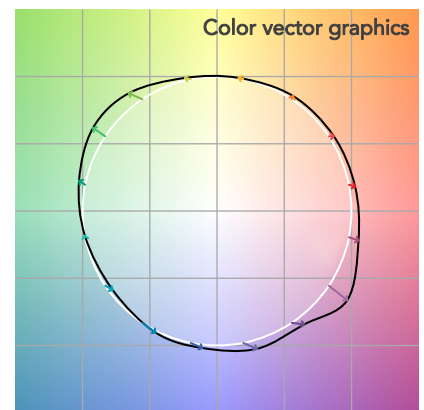
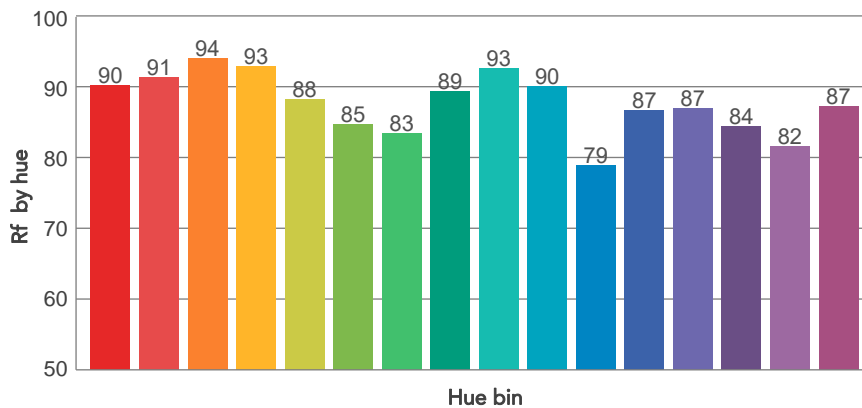
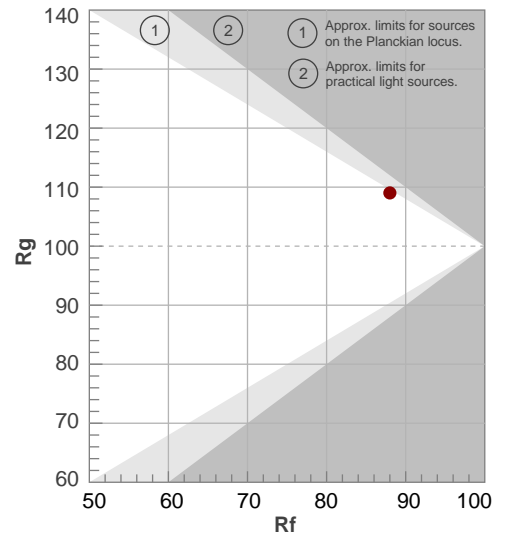


# TM30 DETAILS

**Rf 88,0**  
Fidelity index Rf

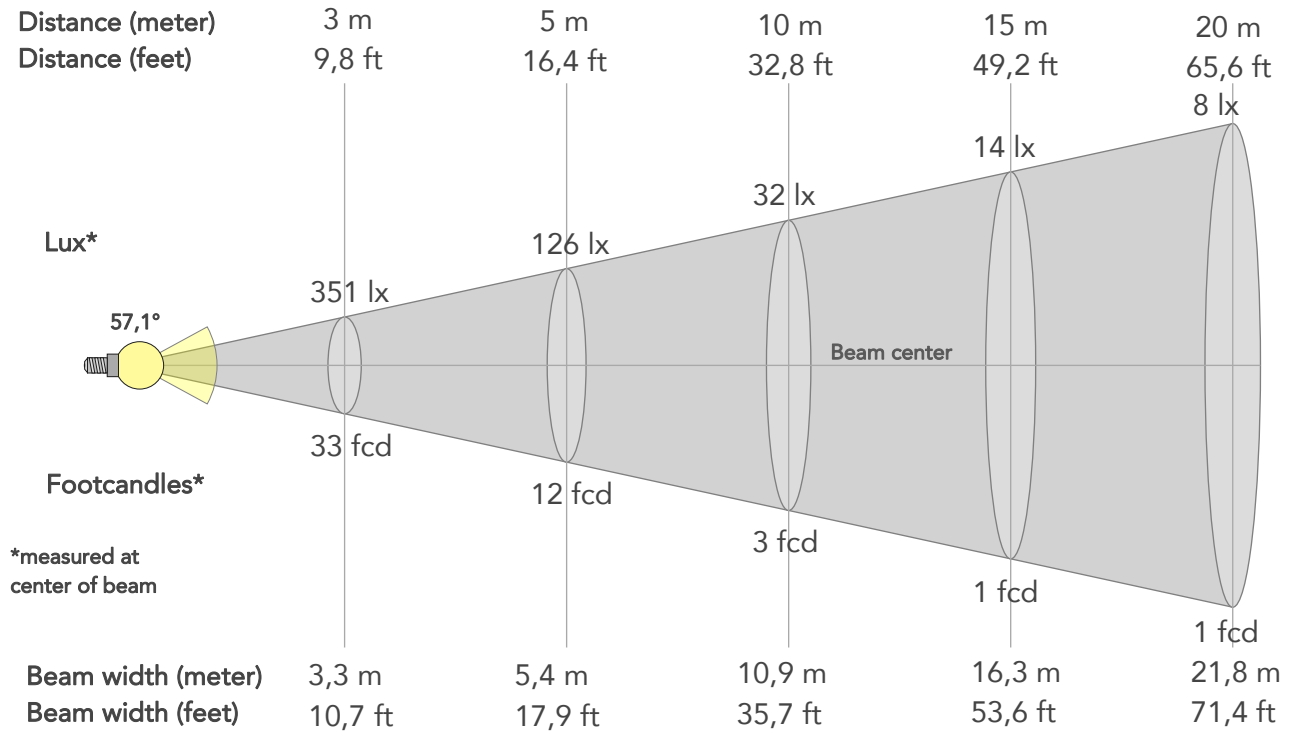
**Rg 109,0**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	4%	-2%
2	91	3%	-2%
3	94	3%	1%
4	93	0%	4%
5	88	2%	4%
6	85	9%	6%
7	83	11%	0%
8	89	5%	-2%
9	93	0%	-1%
10	90	-3%	6%
11	79	1%	12%
12	87	2%	9%
13	87	6%	9%
14	84	6%	7%
15	82	17%	-1%
16	87	7%	-1%



# BEAM DETAILS

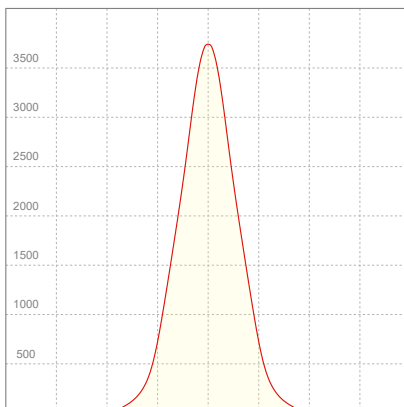
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,1°	105,8°	142,4°	93,9%	81,0%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3155lx	789lx	351lx	197lx	126lx	56lx	32lx	14lx	8lx	5lx	4lx	2lx	1lx
Footcand.	293fcd	73fcd	33fcd	18fcd	12fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,4m	8,2m	10,9m	16,3m	21,8m	27,2m	32,7m	43,6m	54,5m
Beam wid.	3,6ft	7,2ft	10,7ft	14,3ft	17,9ft	26,8ft	35,7ft	53,6ft	71,4ft	89,3ft	107,2ft	142,9ft	178,6ft

## LINEAR DISTRIBUTION DIAGRAM

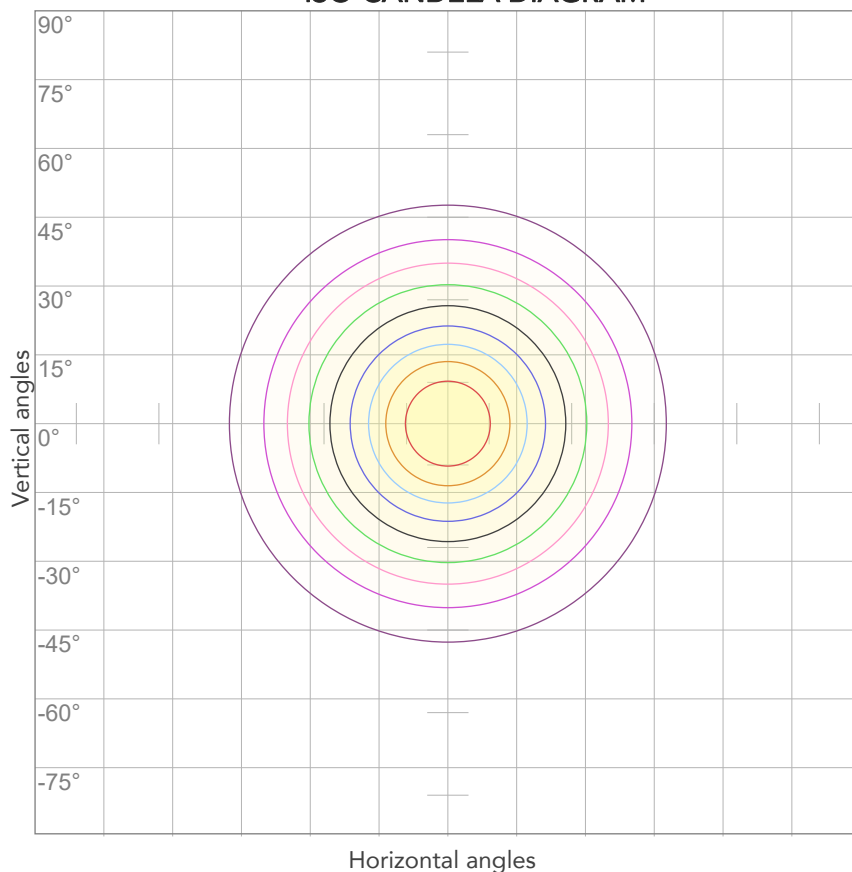


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,379A	79,0W	0,92	44lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



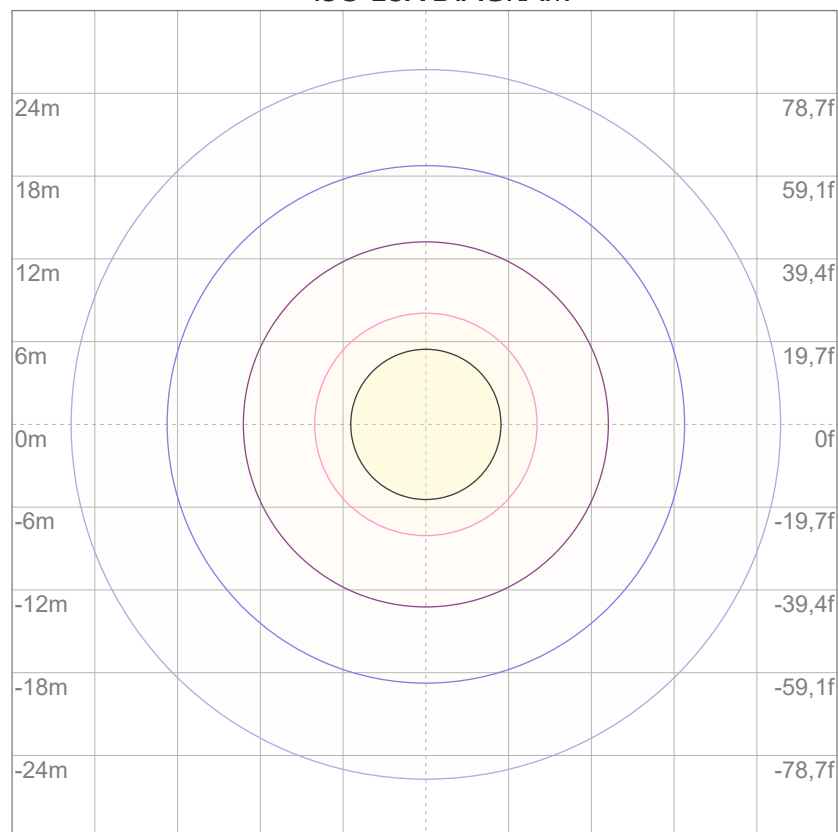
10%	316 cd
20%	631 cd
30%	947 cd
40%	1262 cd
50%	1578 cd
60%	1893 cd
70%	2209 cd
80%	2524 cd

### Conditions:

Number of c-planes: 2

Candela at center: 3155 cd

## ISO LUX DIAGRAM



3%	0,947 lx
5%	1,58 lx
10%	3,16 lx
30%	9,47 lx
50%	15,8 lx

### Conditions:

Number of c-planes: 2

Lux at center: 31,6 lx

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



Total lumen output:

5073 lm

Peak candela output:

10658 cd

Light quality:

CRI: 88,3

Color temperature:

6730 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 10°x 60° Filter

Target:

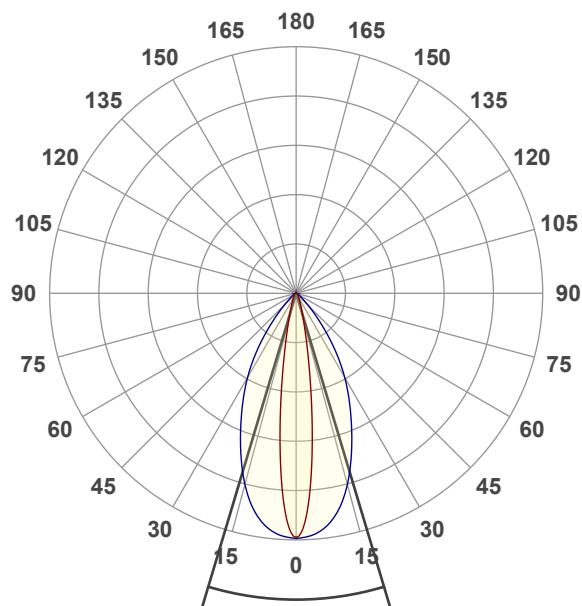
6500K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 11:47:48

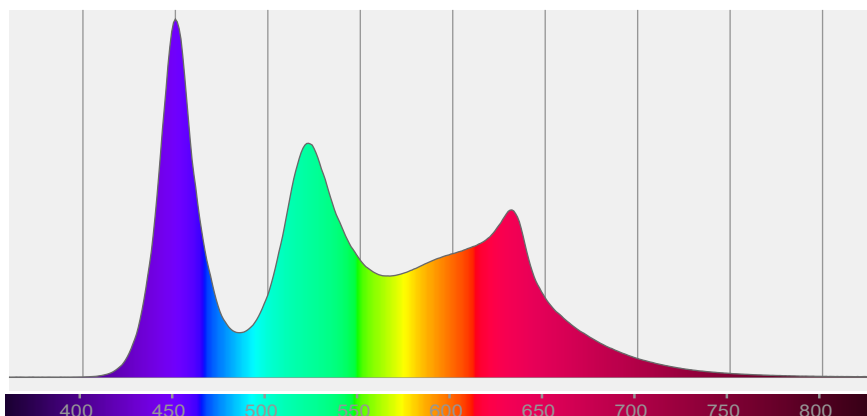


Beam angle 50%: 33,3°

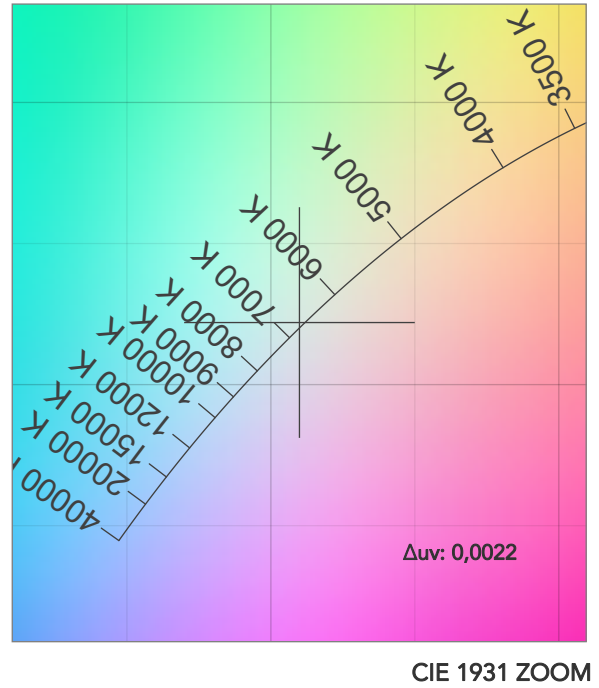
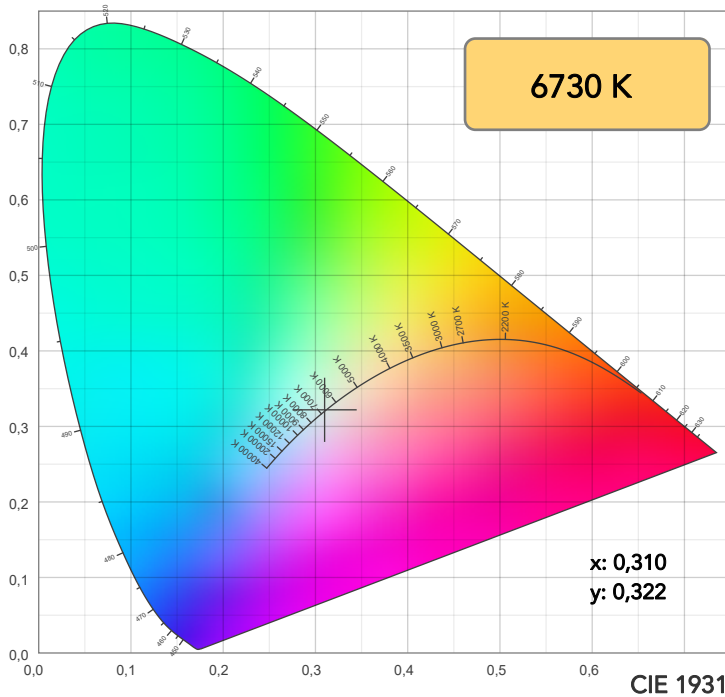
Field angle 10%: 58,8°

Cut off angle 2.5%: 81,7°

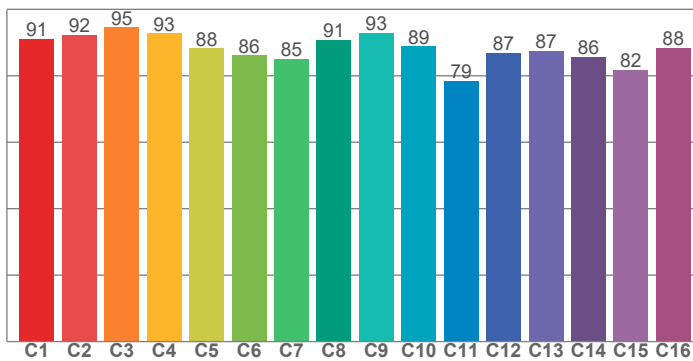
**Spectra**



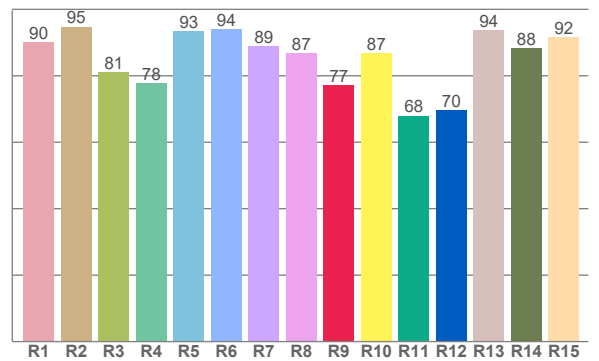
# COLOR DETAILS



**TM30: 88,5**



**CRI: 88,3 (R1-R8)**



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
90,1	94,7	81,0	77,7	93,4	94,0	88,9	86,7	77,1	86,9	68,0	69,6	93,7	88,2	91,5

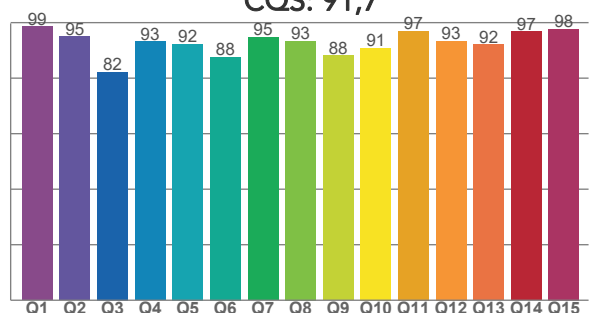
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91,1	92,3	94,6	92,8	88,2	86,1	85,1	90,8	93,0	88,8	78,5	86,8	87,5	85,7	81,8	88,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,6	94,9	82,2	93,2	92,4	87,6	94,7	93,4	88,1	90,8	97,0	93,3	92,1	96,8	97,8

**CQS: 91,7**



## COLOR PARAMETERS

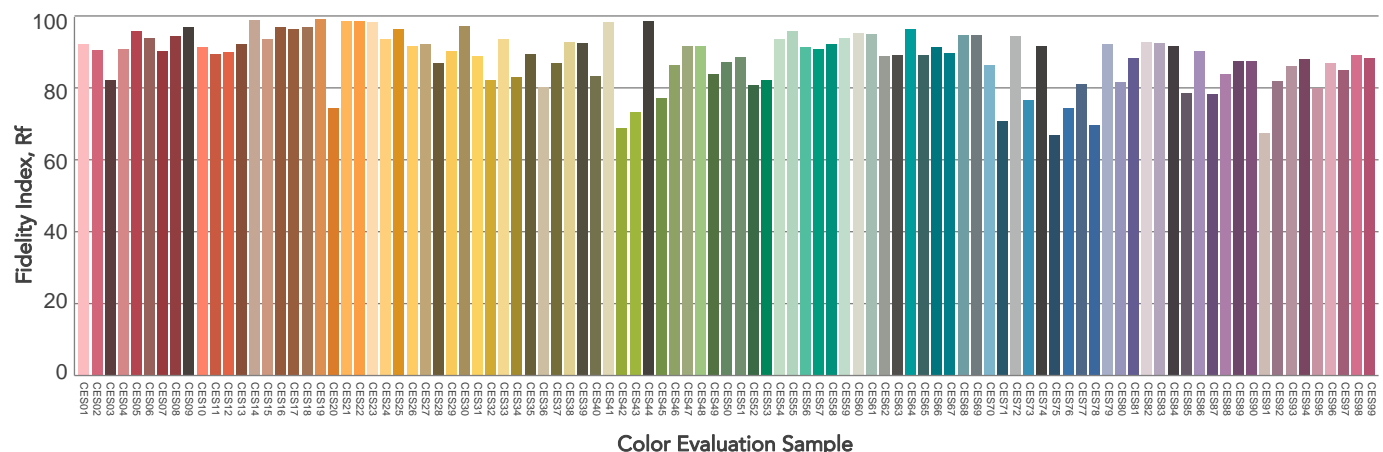
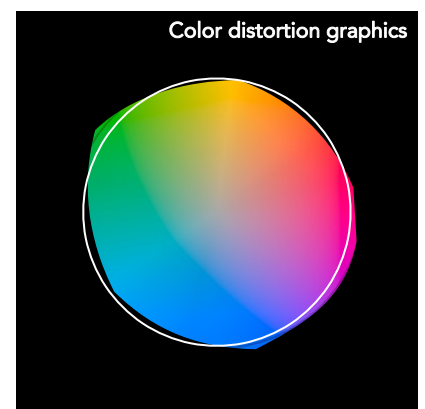
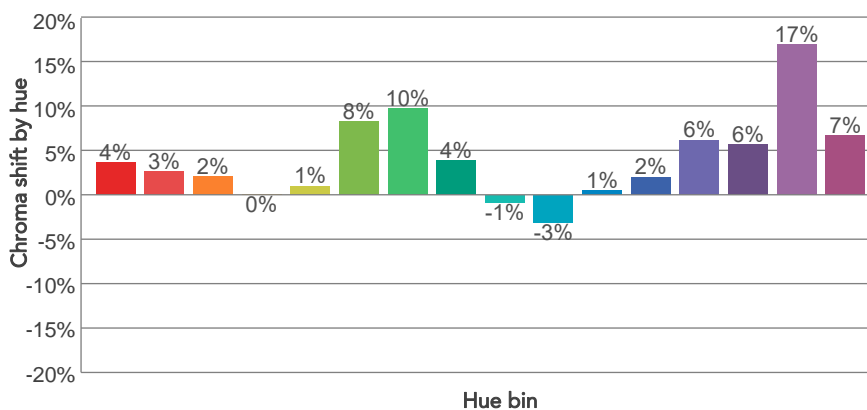
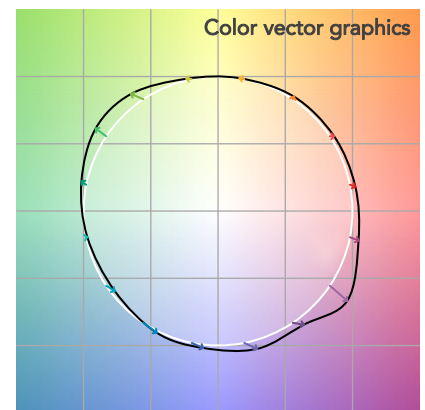
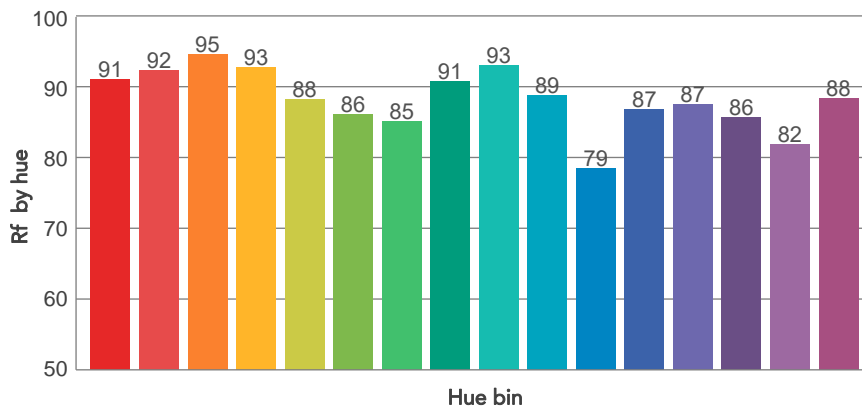
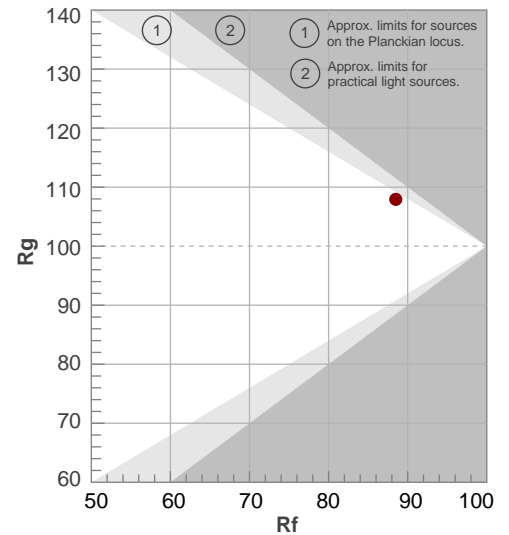
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6730 K	88,3	77,1	88,5	107,9	91,7	85	0,310	0,322	0,0022

# TM30 DETAILS

**Rf 88,5**  
Fidelity index Rf

**Rg 107,9**  
Gammut index

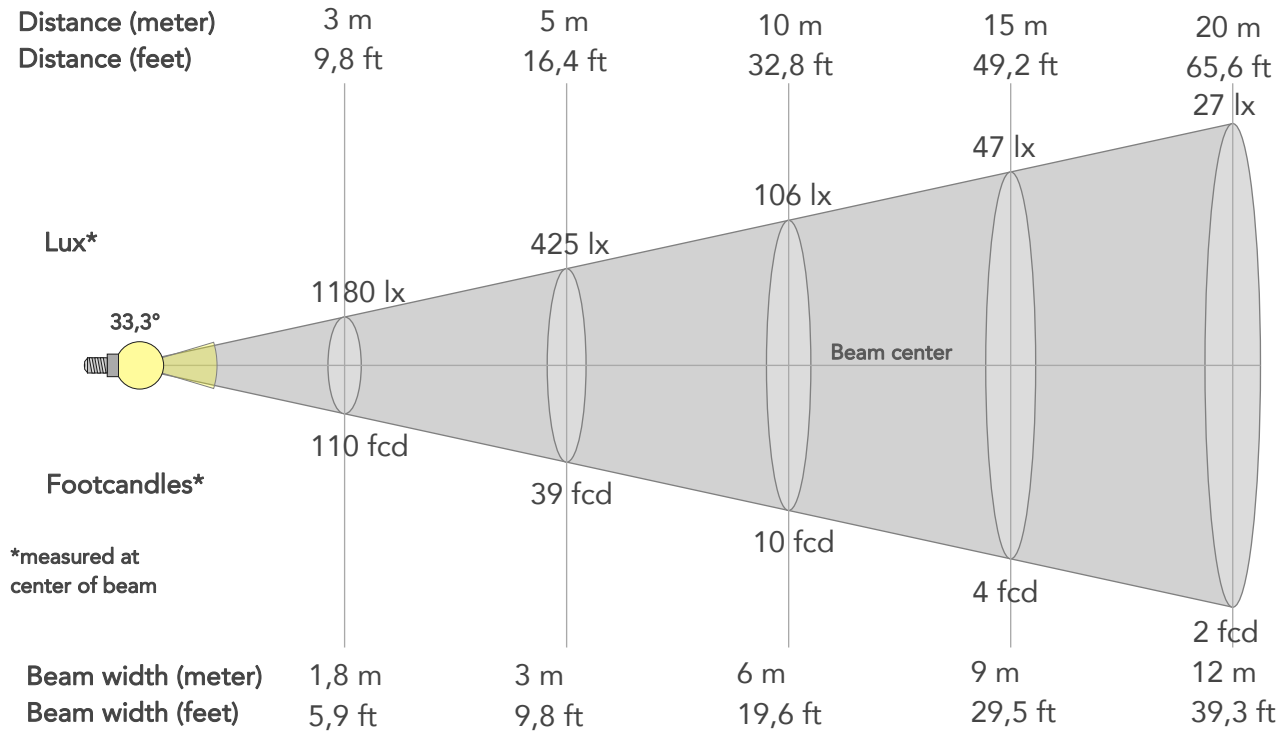
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	91	4%	-2%
2	92	3%	-2%
3	95	2%	1%
4	93	0%	4%
5	88	1%	4%
6	86	8%	5%
7	85	10%	0%
8	91	4%	-2%
9	93	-1%	0%
10	89	-3%	7%
11	79	1%	12%
12	87	2%	9%
13	87	6%	9%
14	86	6%	6%
15	82	17%	-2%
16	88	7%	-1%



# BEAM DETAILS



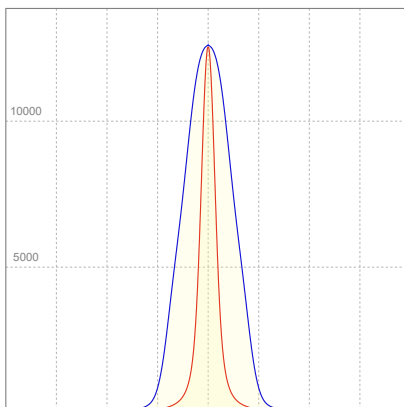
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,3°	58,8°	81,7°	97,4%	92,4%



## 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	10623lx	2656lx	1180lx	664lx	425lx	189lx	106lx	47lx	27lx	17lx	12lx	7lx	4lx
Footcand.	987fcd	247fcd	110fcd	62fcd	39fcd	18fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	29,9m
Beam wid.	2ft	4ft	5,9ft	7,8ft	9,8ft	14,7ft	19,6ft	29,5ft	39,3ft	49,1ft	58,9ft	78,6ft	98,2ft

## LINEAR DISTRIBUTION DIAGRAM

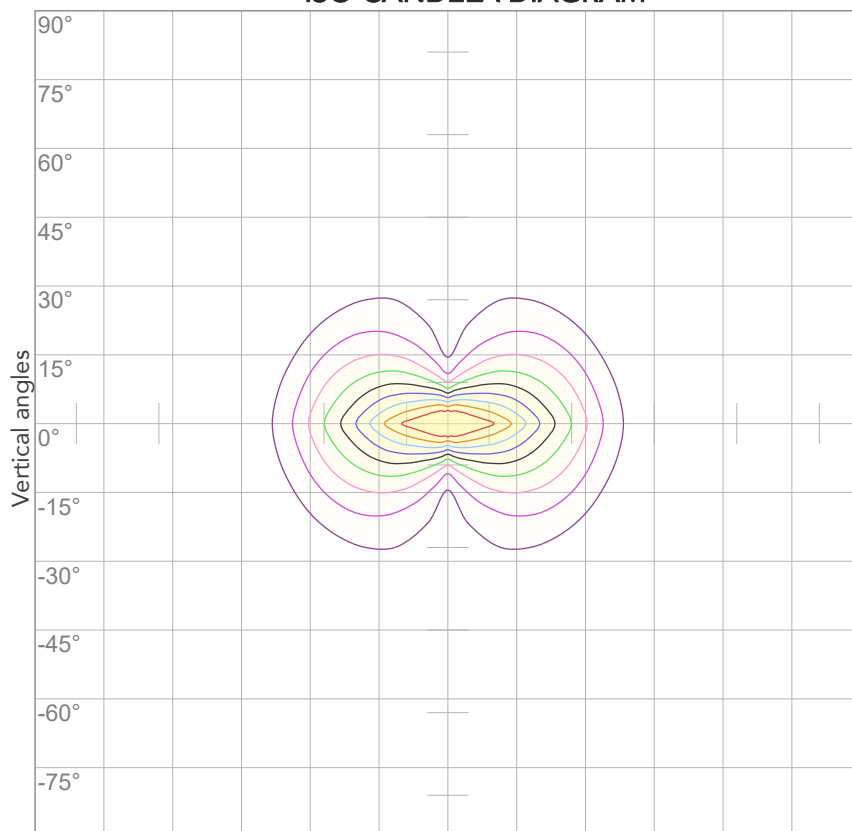


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,372A	77,4W	0,92	66lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



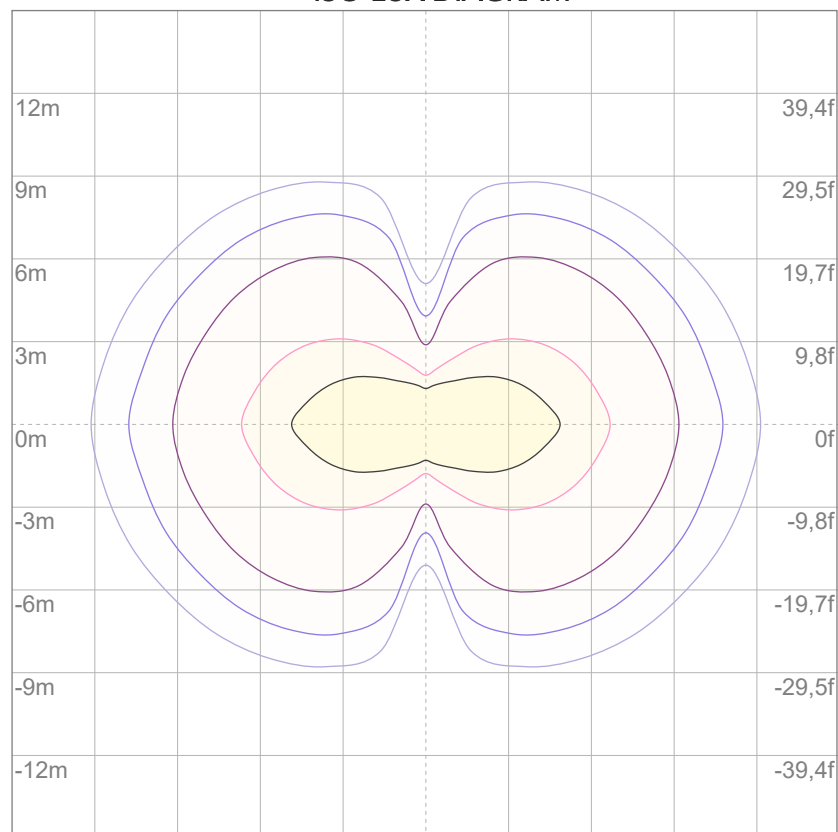
10%	1062 cd
20%	2125 cd
30%	3187 cd
40%	4249 cd
50%	5311 cd
60%	6374 cd
70%	7436 cd
80%	8498 cd

### Conditions:

Number of c-planes: 4

Candela at center: 10623 cd

## ISO LUX DIAGRAM



3%	3,19 lx
5%	5,31 lx
10%	10,6 lx
30%	31,9 lx
50%	53,1 lx

### Conditions:

Number of c-planes: 4

Lux at center: 106 lx

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





Total lumen output:

4077 lm

Peak candela output:

5830 cd

Light quality:

CRI: 87,8

Color temperature:

6715 K

**PRODUCT NAME:**

ARCSPOTMFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 30°x 60° Filter

Target:

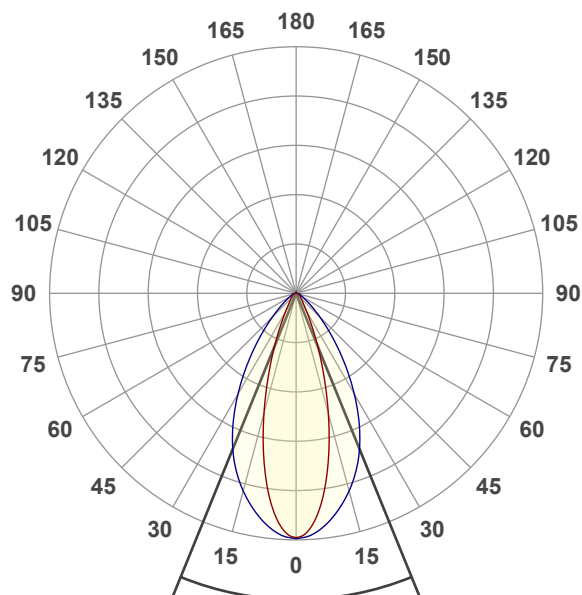
6500K

Operator:

Salvatore Giglio

Date and time:

26/02/2024 12:14:49

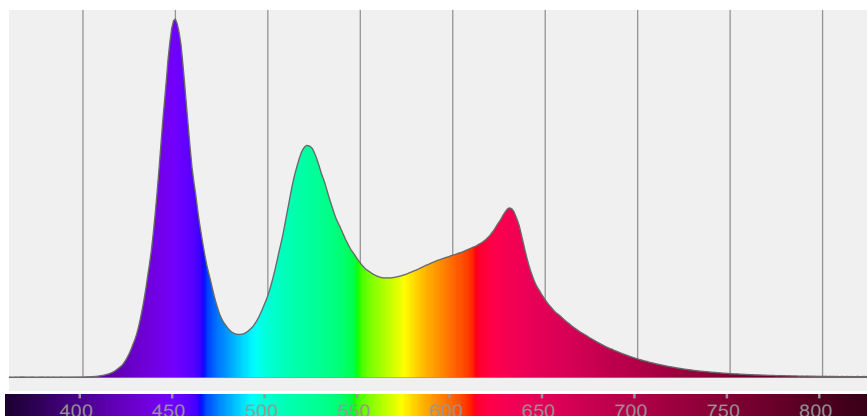


Beam angle 50%: 44,3°

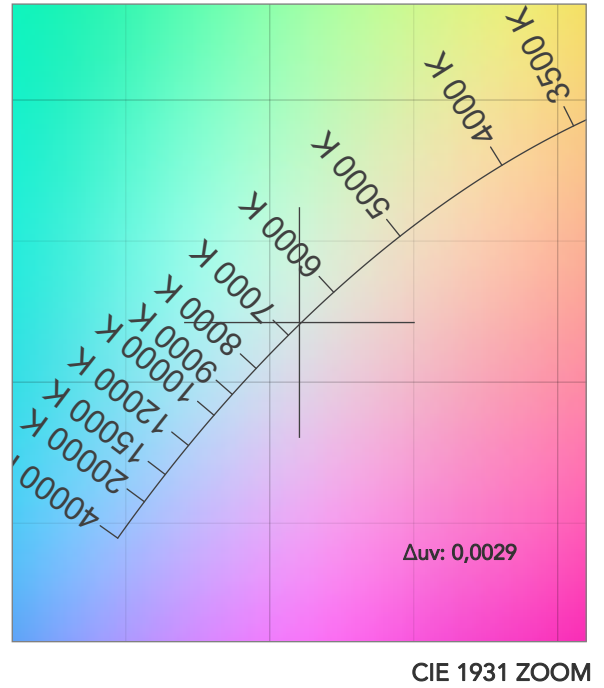
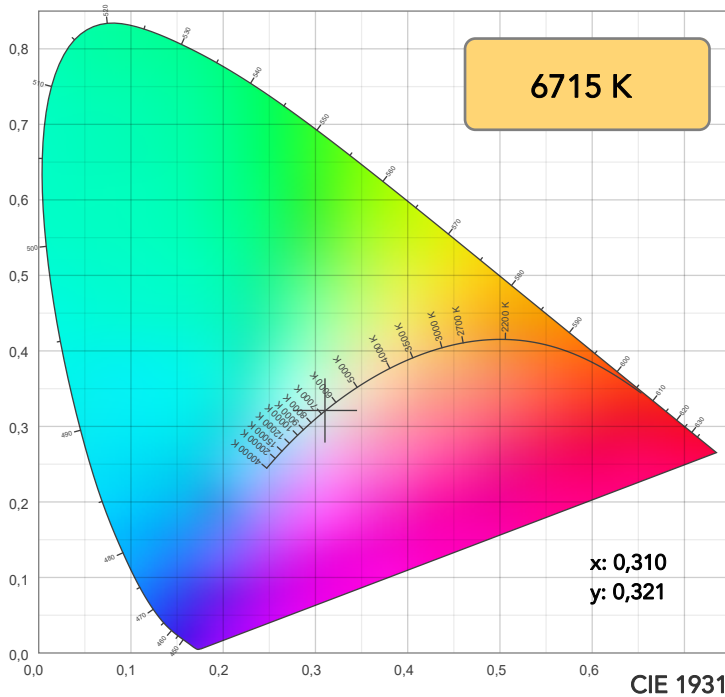
Field angle 10%: 76,8°

Cut off angle 2.5%: 110,9°

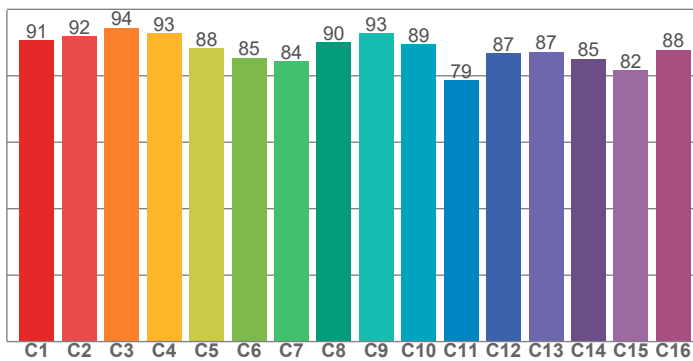
**Spectra**



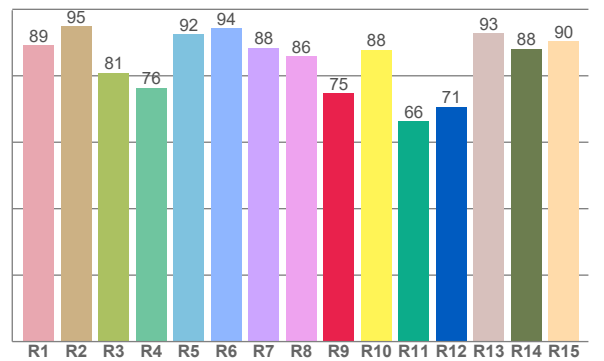
# COLOR DETAILS



**TM30: 88,3**



**CRI: 87,8 (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
89,1	95,0	80,9	76,4	92,4	94,3	88,5	85,8	74,6	87,8	66,4	70,7	92,8	88,1	90,5

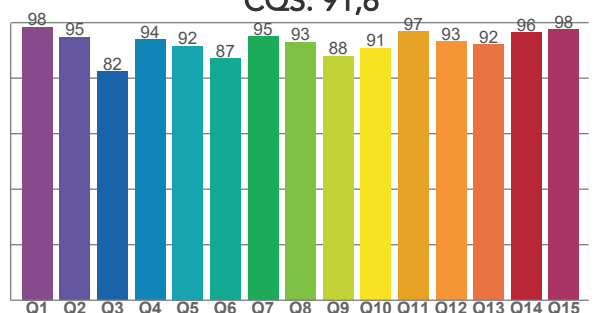
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,6	91,9	94,4	92,8	88,2	85,4	84,3	90,1	92,8	89,4	78,7	86,7	87,2	85,1	81,7	87,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,5	94,7	82,3	93,9	91,6	87,1	95,0	92,9	87,9	90,9	96,8	93,2	92,1	96,5	97,5

**CQS: 91,6**



## COLOR PARAMETERS

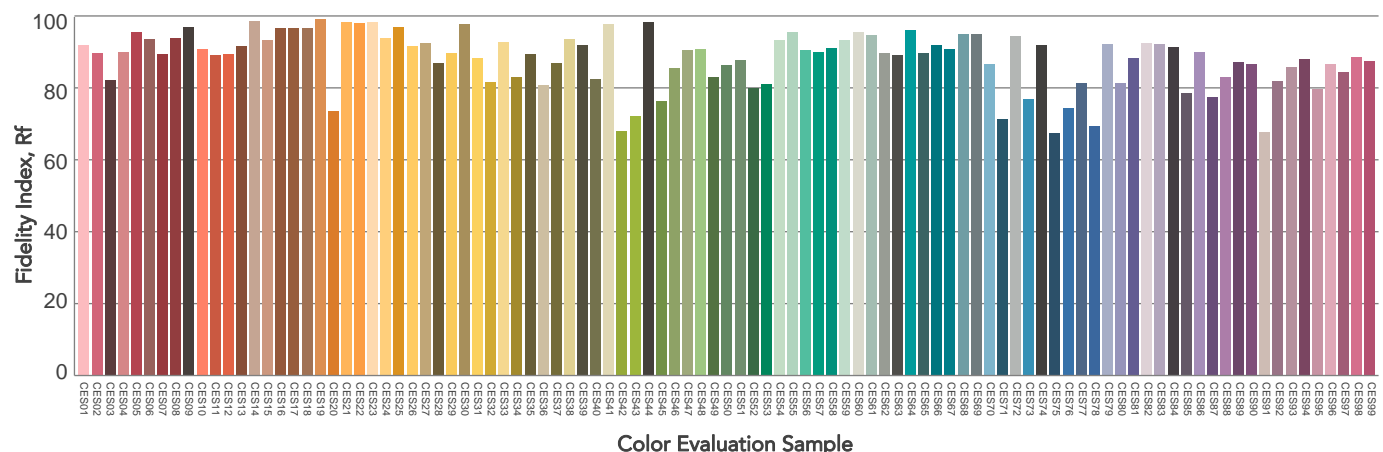
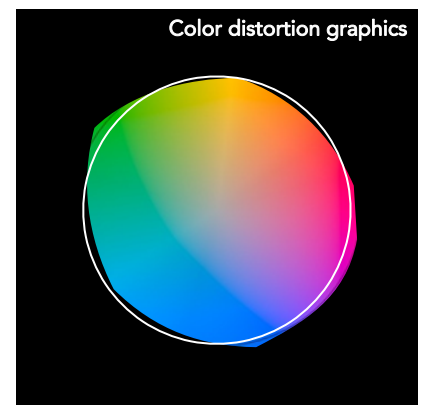
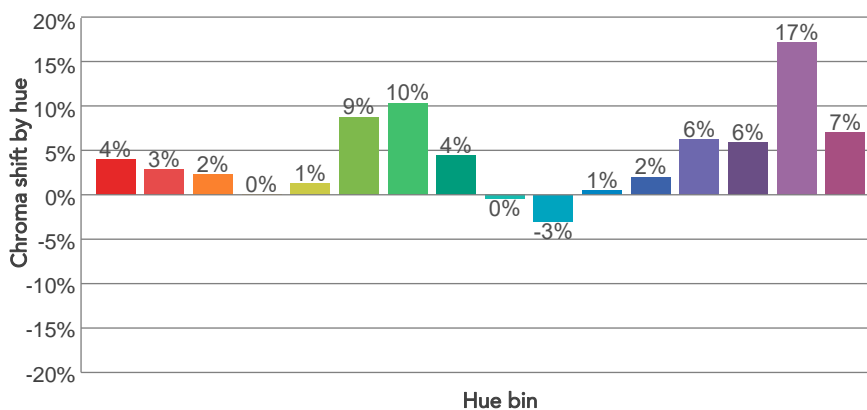
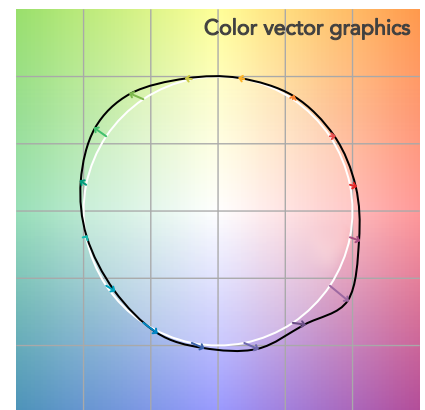
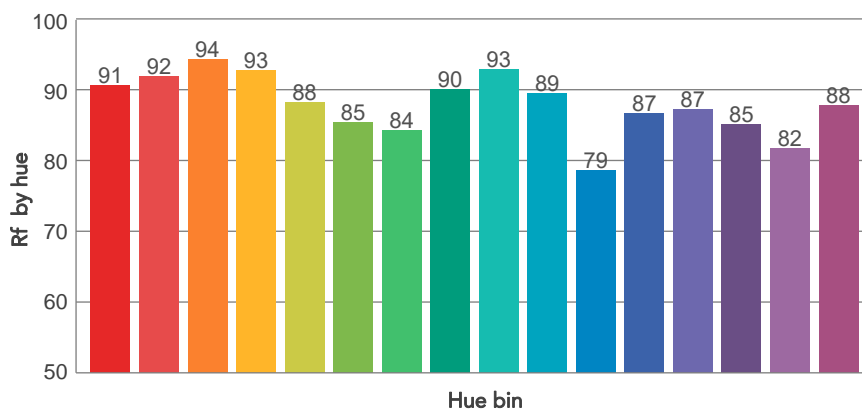
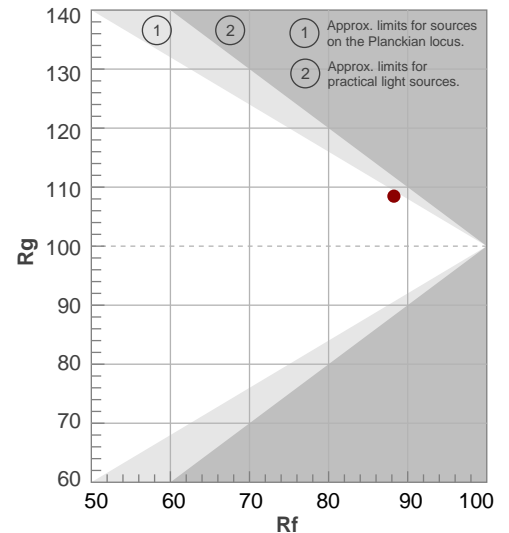
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
6715 K	87,8	74,6	88,3	108,5	91,6	84	0,310	0,321	0,0029

# TM30 DETAILS

**Rf 88,3**  
Fidelity index Rf

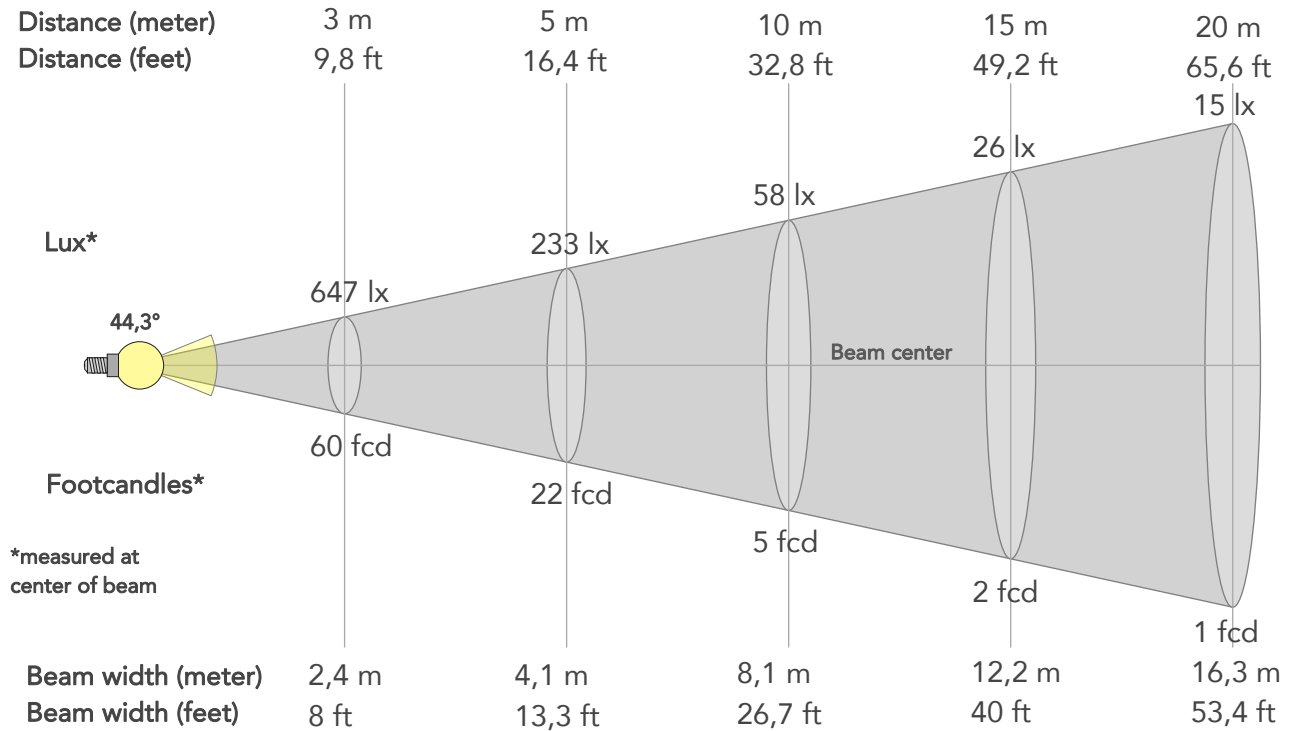
**Rg 108,5**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	91	4%	-2%
2	92	3%	-2%
3	94	2%	1%
4	93	0%	4%
5	88	1%	4%
6	85	9%	6%
7	84	10%	0%
8	90	4%	-2%
9	93	0%	-1%
10	89	-3%	6%
11	79	1%	12%
12	87	2%	9%
13	87	6%	9%
14	85	6%	7%
15	82	17%	-2%
16	88	7%	-1%



# BEAM DETAILS

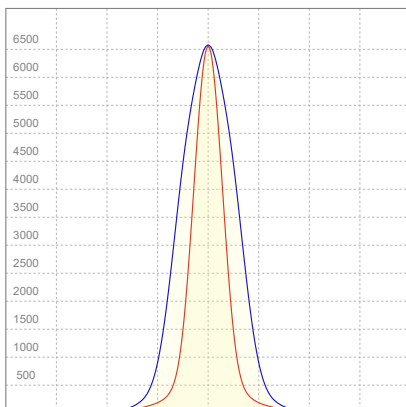
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,3°	76,8°	110,9°	95,7%	87,5%



## 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	5819lx	1455lx	647lx	364lx	233lx	103lx	58lx	26lx	15lx	9lx	6lx	4lx	2lx
Footcand.	541fcd	135fcd	60fcd	34fcd	22fcd	10fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,3m	4,1m	6,1m	8,1m	12,2m	16,3m	20,3m	24,4m	32,6m	40,7m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,3ft	20ft	26,7ft	40ft	53,4ft	66,7ft	80,1ft	106,8ft	133,5ft

## LINEAR DISTRIBUTION DIAGRAM

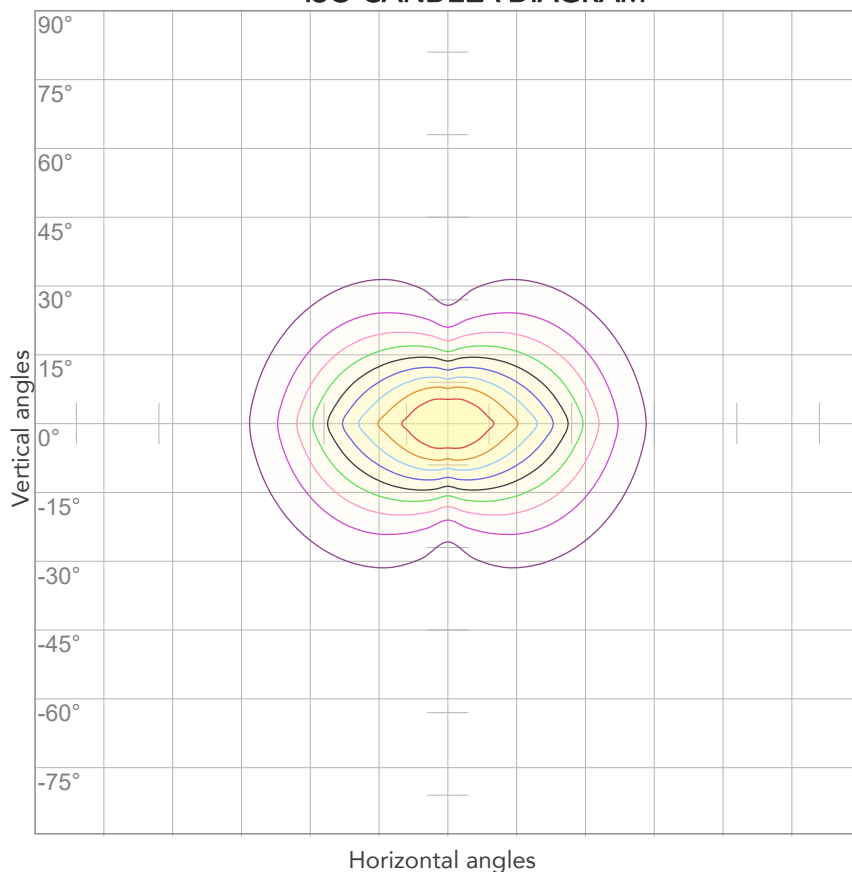


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,373A	78,1W	0,92	52lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



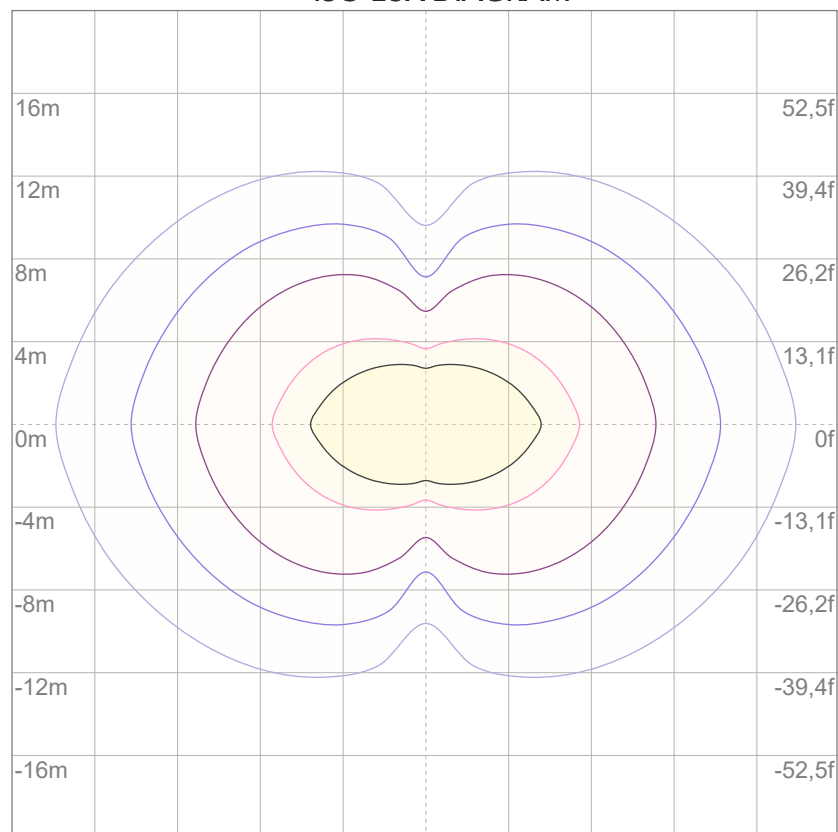
10%	582 cd
20%	1164 cd
30%	1746 cd
40%	2328 cd
50%	2910 cd
60%	3491 cd
70%	4073 cd
80%	4655 cd

### Conditions:

Number of c-planes: 4

Candela at center: 5819 cd

## ISO LUX DIAGRAM



3%	1,75 lx
5%	2,91 lx
10%	5,82 lx
30%	17,5 lx
50%	29,1 lx

### Conditions:

Number of c-planes: 4

Lux at center: 58,2 lx

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