



Photometric Test Report



ArcSpot XSFC

IP66 Spot featuring 600 lumen
with 3 x 4W RGB+WarmWhite source,
25° Degree Optic

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TESTING PROCESS

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

Prolights measurement instrument

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

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

Prolights measurement software

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

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



Total lumen output:

563 lm

Peak candela output:

3150 cd

Light quality:

CRI: 0,0

Color temperature:

28254 K

PRODUCT NAME:

ARCSPOTXSFC

MEASURAMENT CONDITIONS:

Beam angle:

25°

Target:

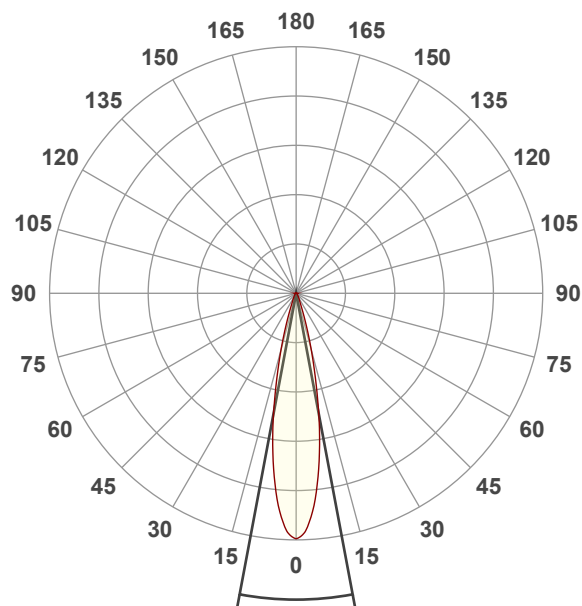
Full On

Operator:

Salvatore Giglio

Date and time:

23/05/2024 12:48:37

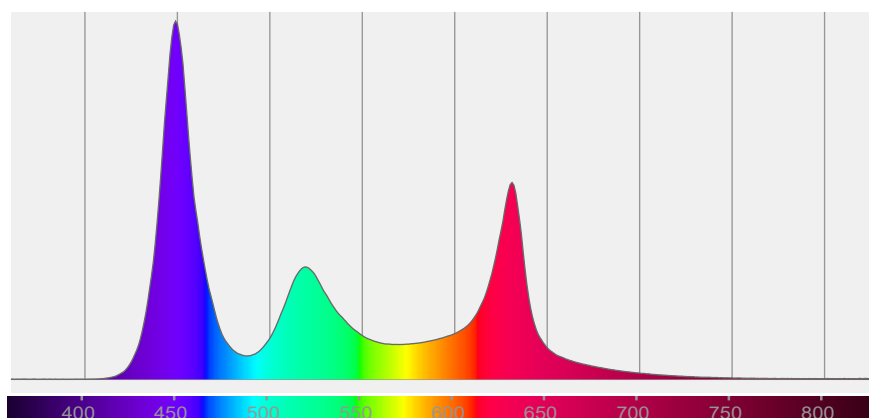


Beam angle 50%: 21,3°

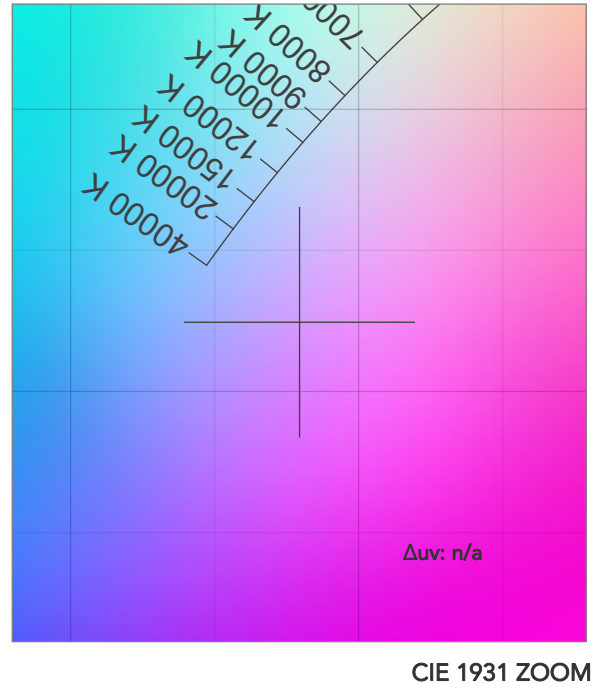
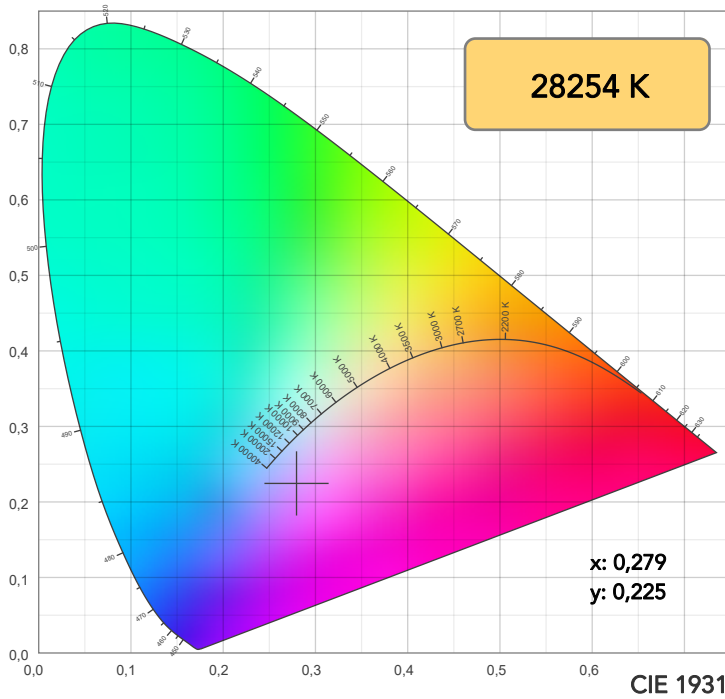
Field angle 10%: 37,7°

Cut off angle 2.5%: 55,7°

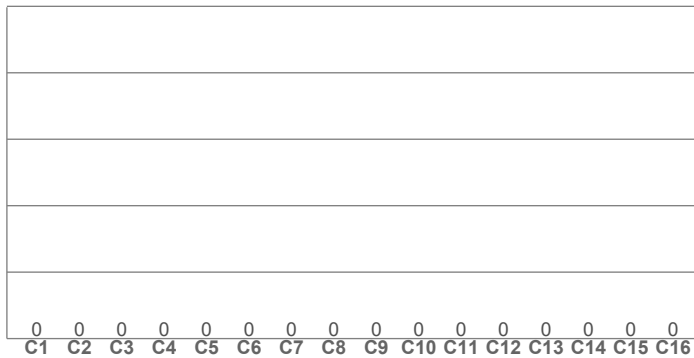
Spectra



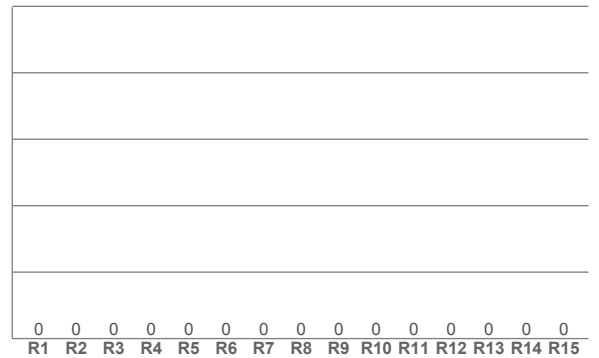
COLOR DETAILS



TM30: 0,0



CRI: 0,0 (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
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

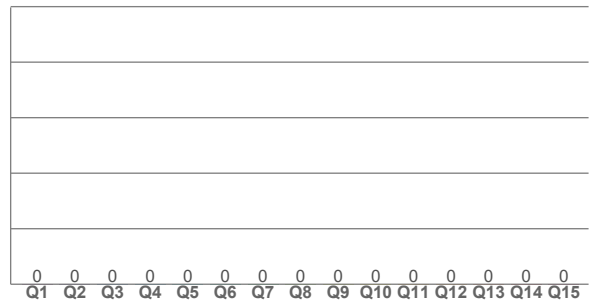
TM30 C values, 16 binned values out of total of 99 C values

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
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: 0,0



COLOR PARAMETERS

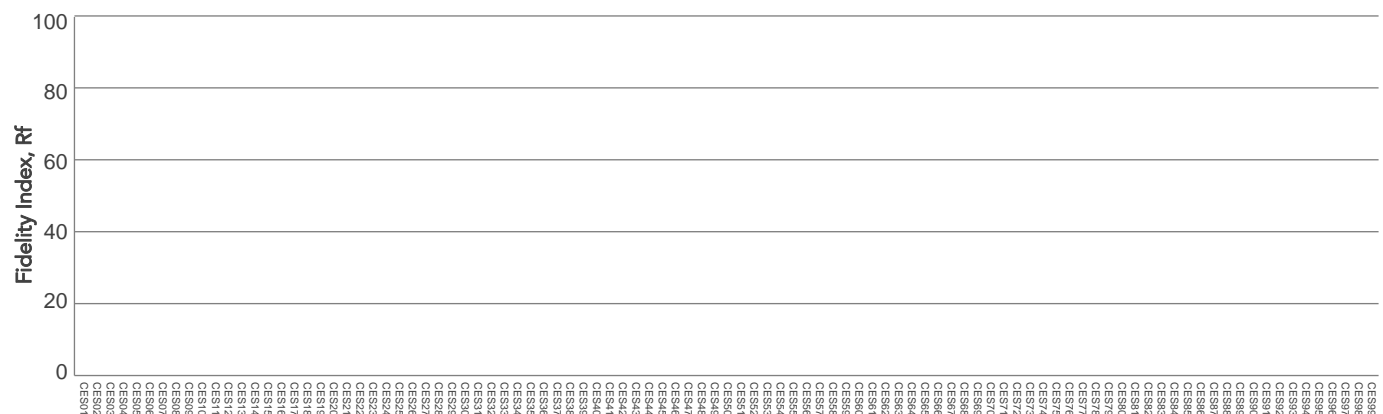
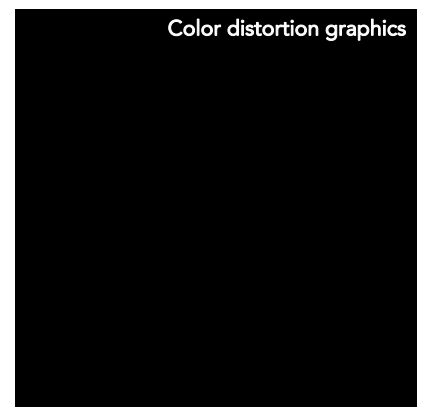
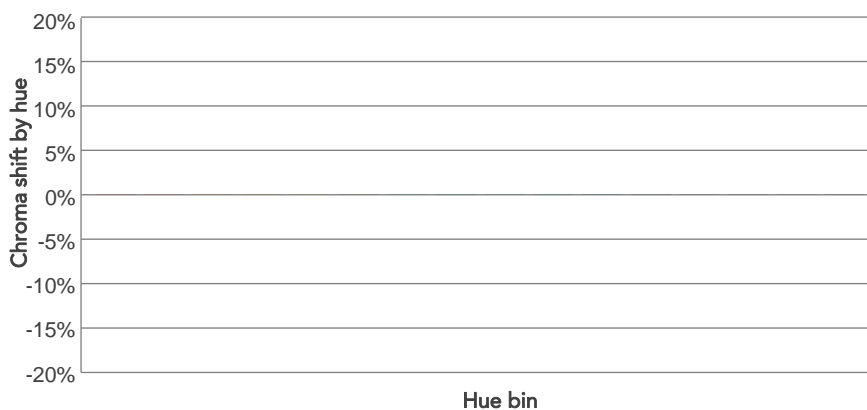
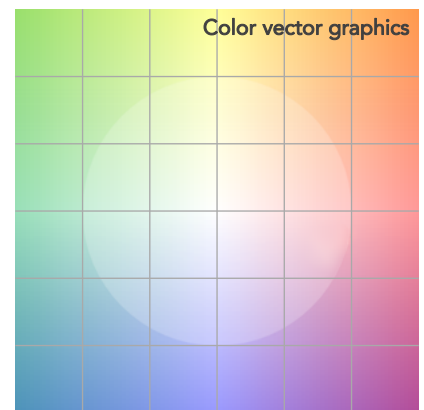
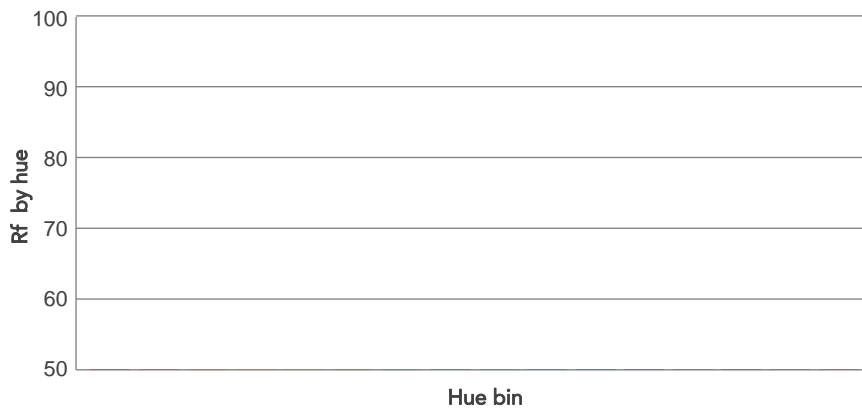
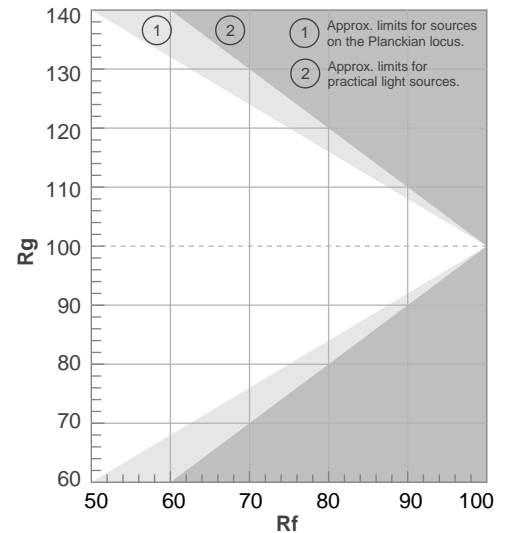
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
28254 K	0,0	0,0	0,0	0,0	0,0	70	0,279	0,225	n/a

TM30 DETAILS

Rf 0,0
Fidelity index Rf

Rg 0,0
Gammut index

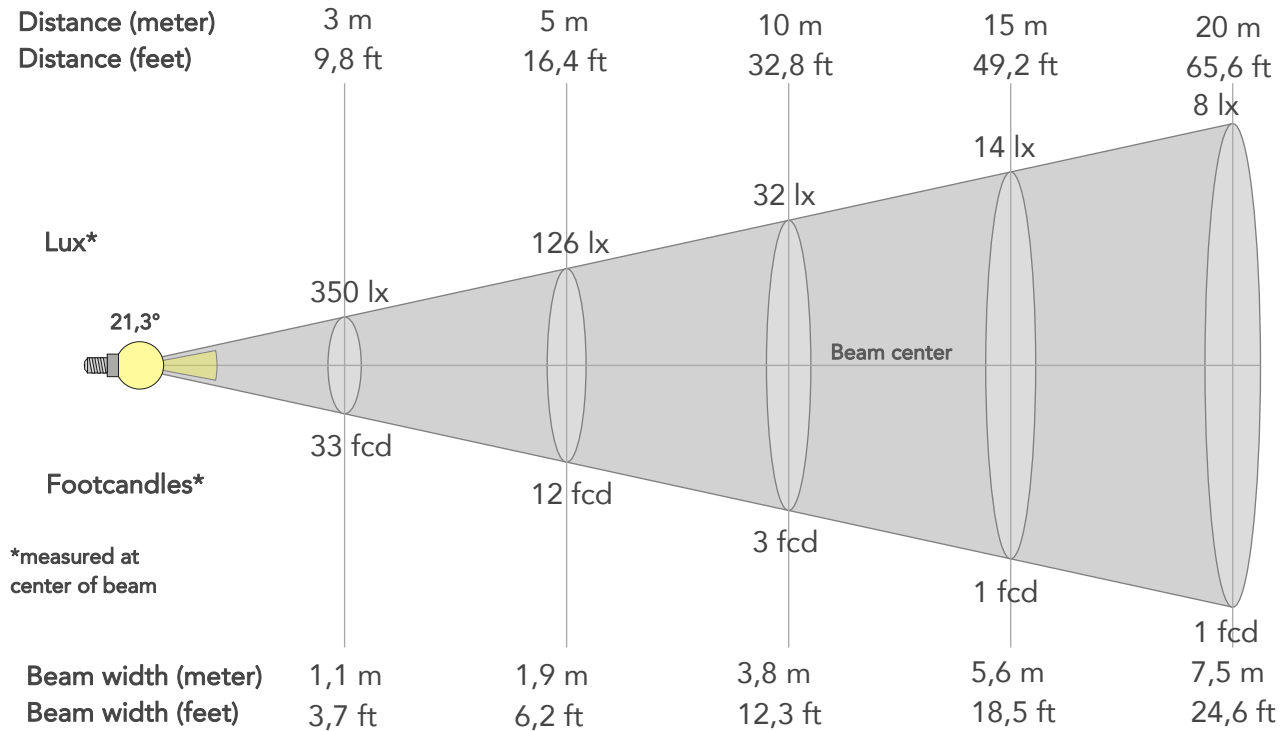
		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



Color Evaluation Sample

BEAM DETAILS

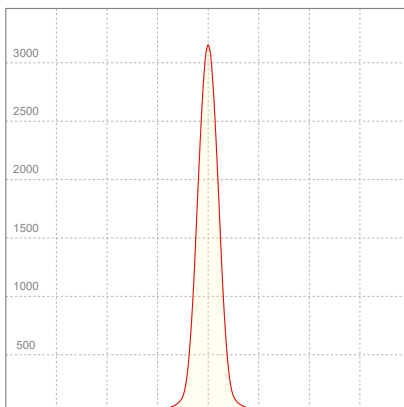
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,3°	37,7°	55,7°	97,3%	93,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3150lx	788lx	350lx	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.	0,4m	0,8m	1,1m	1,5m	1,9m	2,8m	3,8m	5,6m	7,5m	9,4m	11,3m	15m	18,8m
Beam wid.	1,2ft	2,5ft	3,7ft	4,9ft	6,2ft	9,2ft	12,3ft	18,5ft	24,6ft	30,8ft	36,9ft	49,3ft	61,6ft

LINEAR DISTRIBUTION DIAGRAM

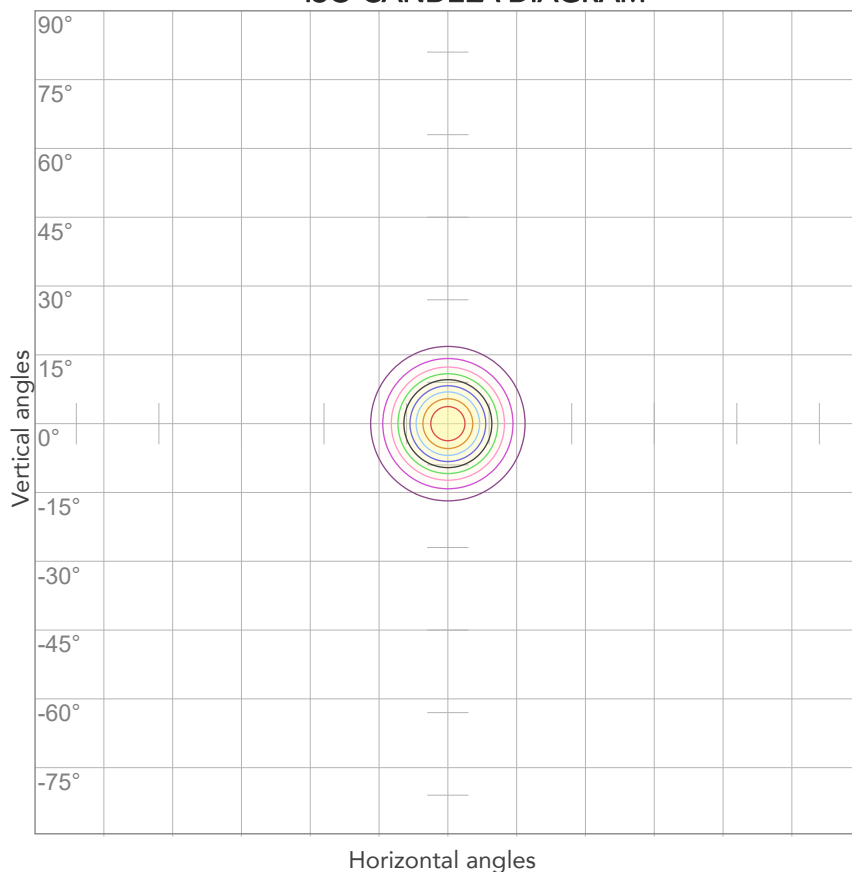


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
229V	0,126A	15,5W	0,54	36lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



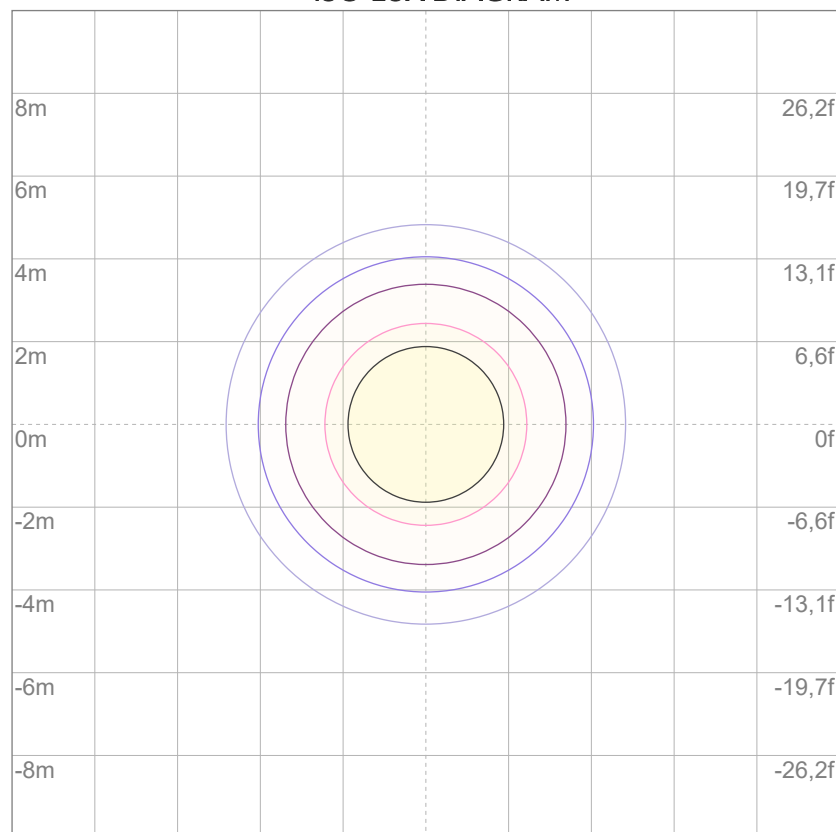
10%	315 cd
20%	630 cd
30%	945 cd
40%	1260 cd
50%	1575 cd
60%	1890 cd
70%	2205 cd
80%	2520 cd

Conditions:

Number of c-planes: 2

Candela at center: 3150 cd

ISO LUX DIAGRAM



3%	0,945 lx
5%	1,58 lx
10%	3,15 lx
30%	9,45 lx
50%	15,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 31,5 lx

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



Total lumen output:

165 lm

Peak candela output:

756 cd

PRODUCT NAME:

ARCSPOTXSFC

MEASURAMENT CONDITIONS:

Beam angle:

25°

Target:

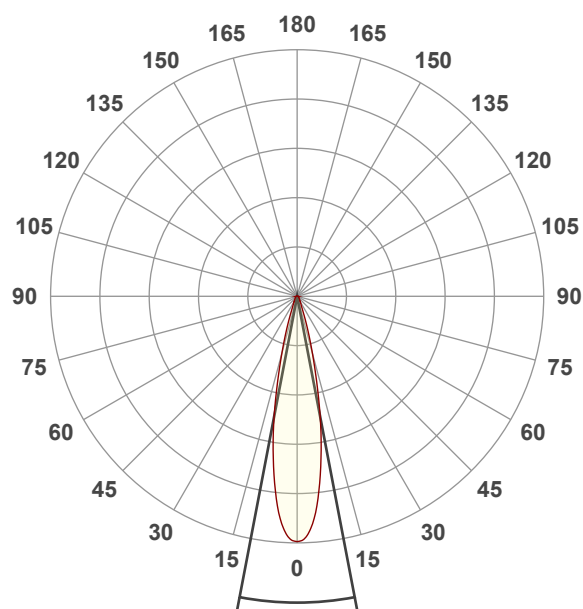
Red

Operator:

Salvatore Giglio

Date and time:

23/05/2024 12:50:09

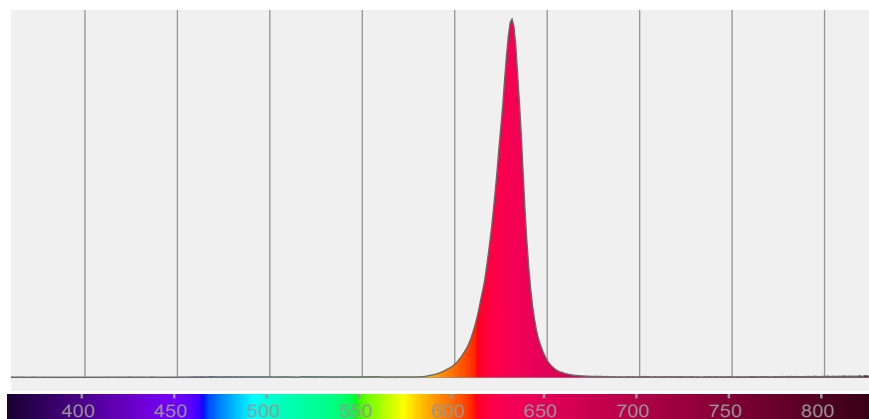


Beam angle 50%: 21,7°

Field angle 10%: 38,5°

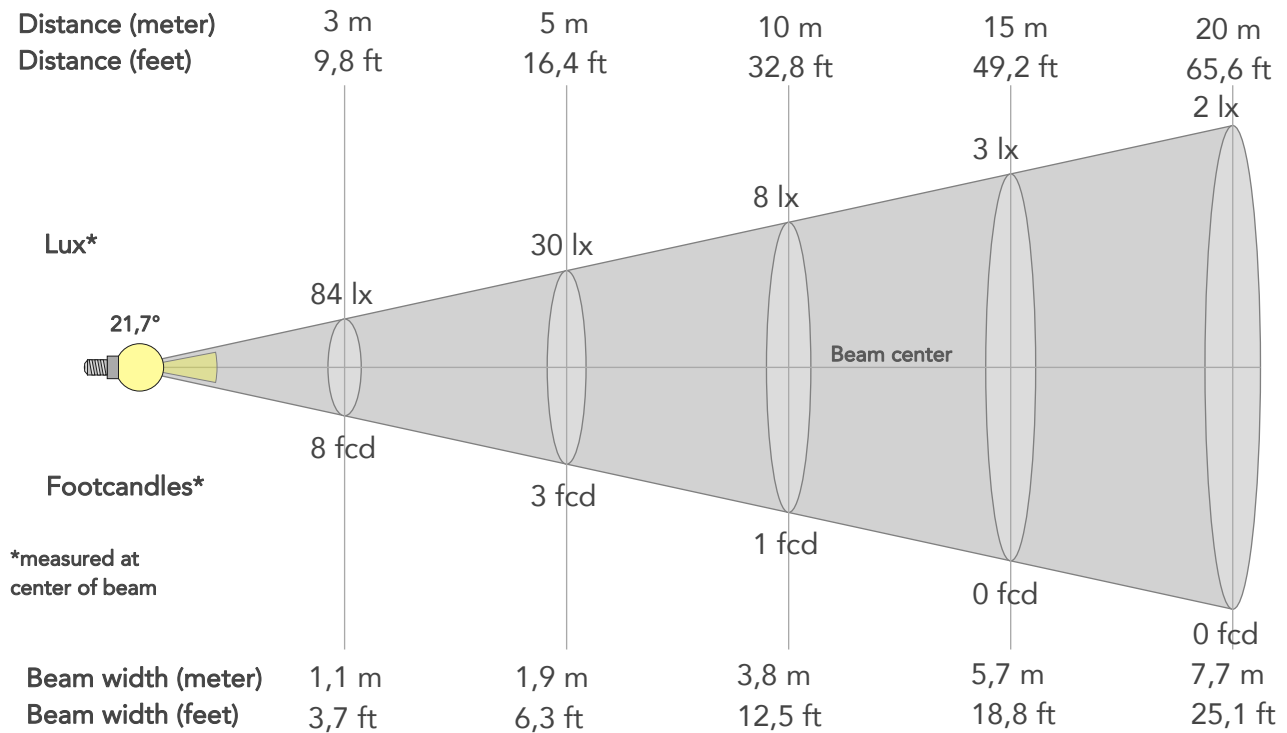
Cut off angle 2.5%: 60,6°

Spectra



BEAM DETAILS

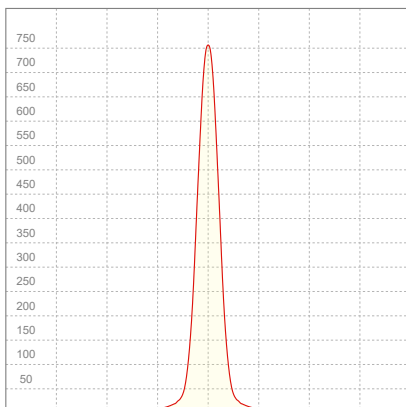
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,7°	38,5°	60,6°	86,9%	81,5%



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	756lx	189lx	84lx	47lx	30lx	13lx	8lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	70fcd	18fcd	8fcd	4fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,1m	1,5m	1,9m	2,9m	3,8m	5,7m	7,7m	9,6m	11,5m	15,3m	19,1m
Beam wid.	1,3ft	2,5ft	3,7ft	5ft	6,3ft	9,4ft	12,5ft	18,8ft	25,1ft	31,4ft	37,6ft	50,2ft	62,7ft

LINEAR DISTRIBUTION DIAGRAM

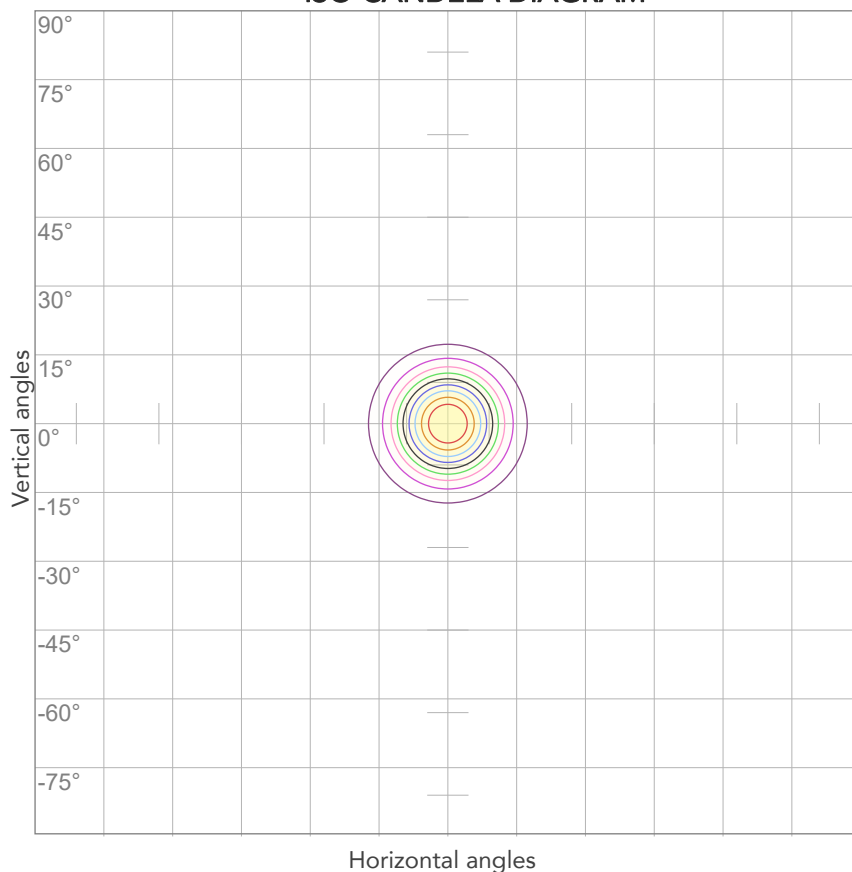


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
230V	0,054A	5,2W	0,42	32lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



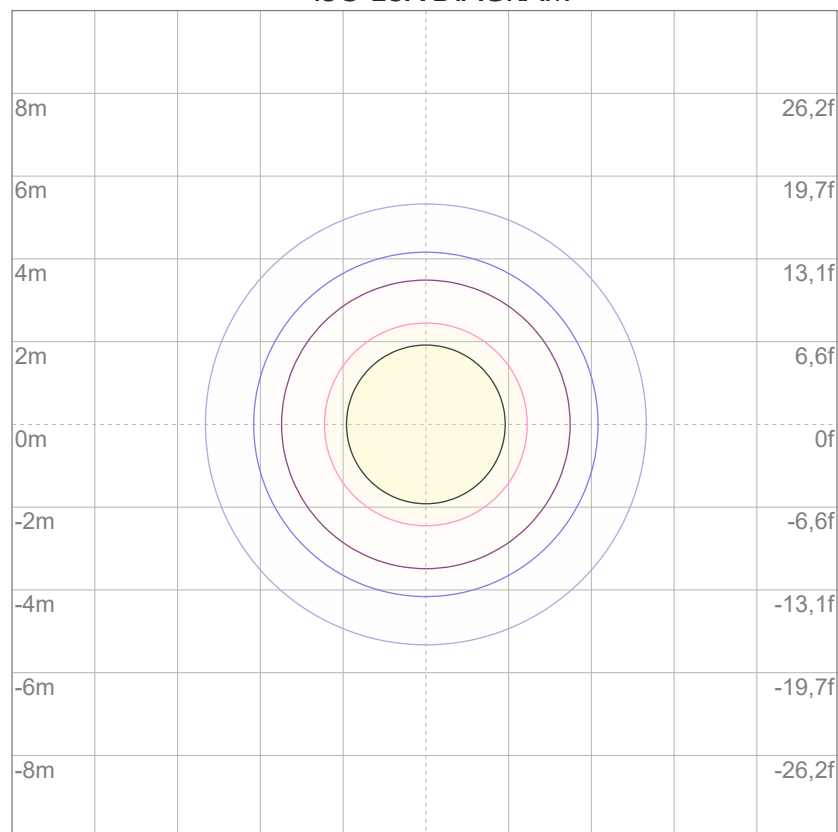
10%	76 cd
20%	151 cd
30%	227 cd
40%	302 cd
50%	378 cd
60%	454 cd
70%	529 cd
80%	605 cd

Conditions:

Number of c-planes: 2

Candela at center: 756 cd

ISO LUX DIAGRAM



3%	0,227 lx
5%	0,378 lx
10%	0,756 lx
30%	2,27 lx
50%	3,78 lx

Conditions:

Number of c-planes: 2

Lux at center: 7,56 lx

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



Total lumen output:

336 lm

Peak candela output:

1895 cd

PRODUCT NAME:

ARCSPOTXSFC

MEASURAMENT CONDITIONS:

Beam angle:

25°

Target:

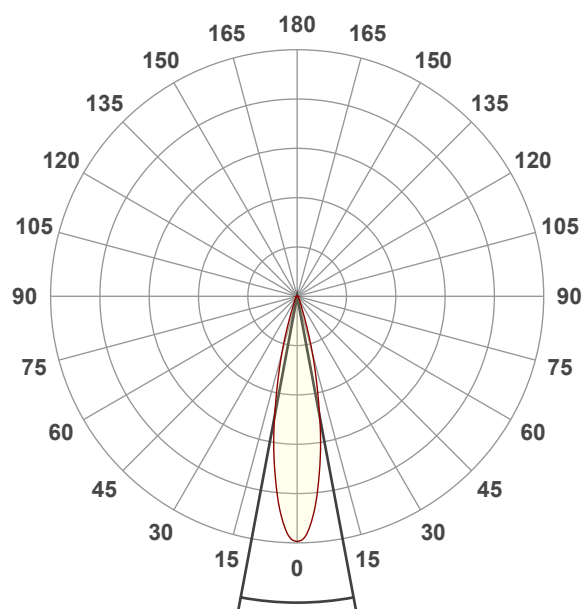
Green

Operator:

Salvatore Giglio

Date and time:

23/05/2024 12:51:51

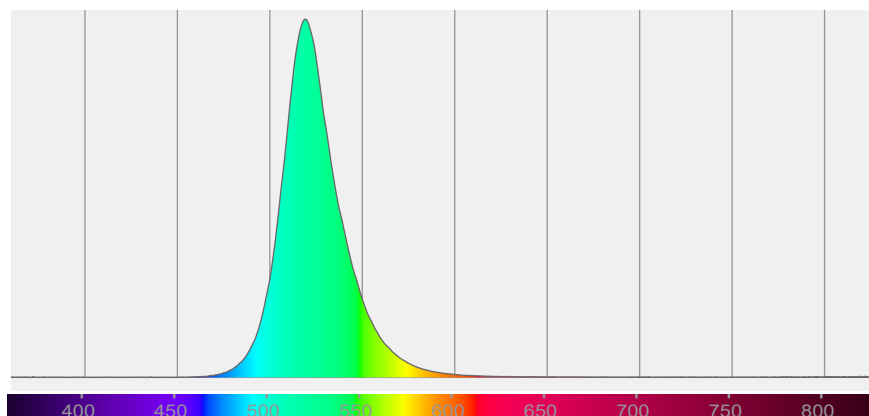


Beam angle 50%: 21,2°

Field angle 10%: 37,3°

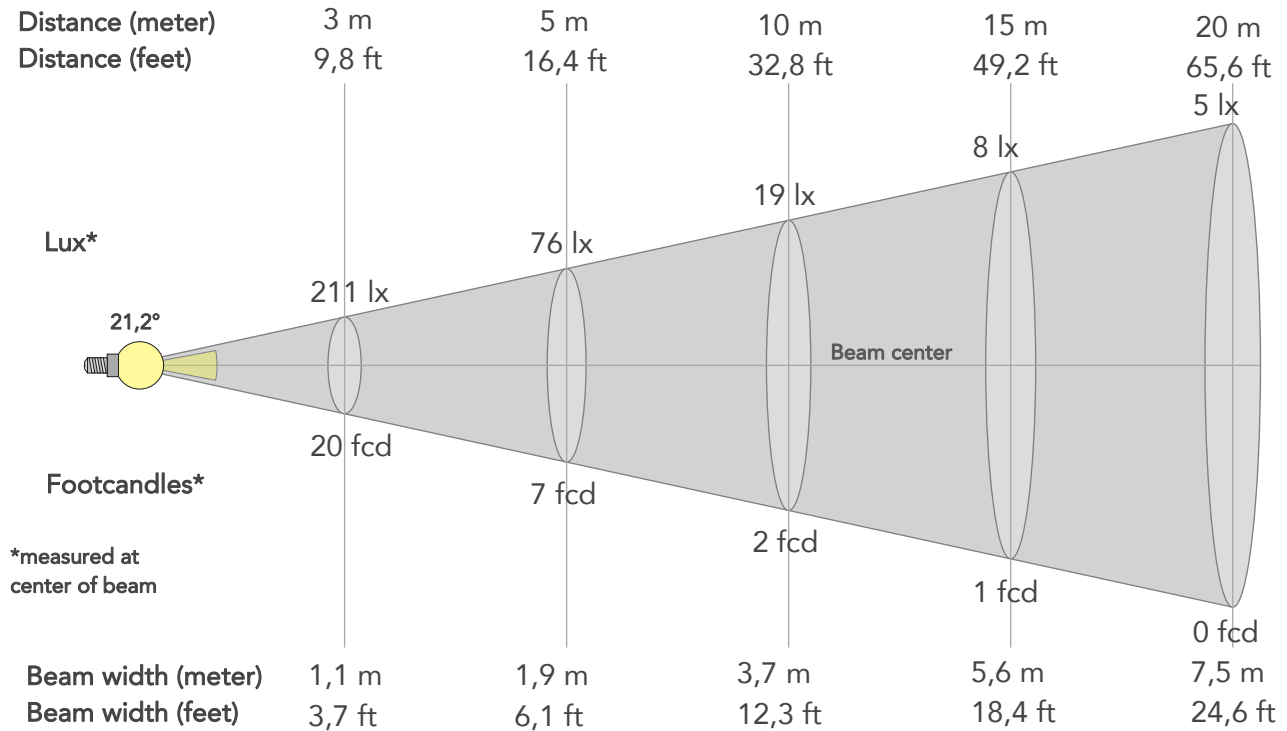
Cut off angle 2.5%: 55,1°

Spectra



BEAM DETAILS

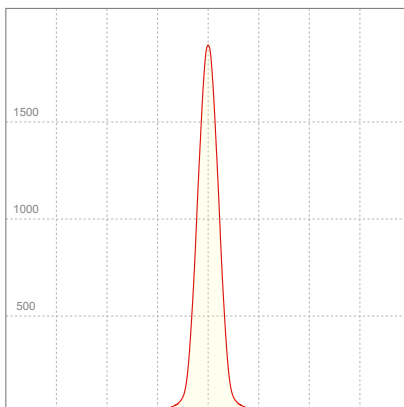
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,2°	37,3°	55,1°	97,4%	93,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1895lx	474lx	211lx	118lx	76lx	34lx	19lx	8lx	5lx	3lx	2lx	1lx	1lx
Footcand.	176fcd	44fcd	20fcd	11fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,9m	2,8m	3,7m	5,6m	7,5m	9,4m	11,2m	15m	18,7m
Beam wid.	1,2ft	2,5ft	3,7ft	4,9ft	6,1ft	9,2ft	12,3ft	18,4ft	24,6ft	30,7ft	36,9ft	49,2ft	61,5ft

LINEAR DISTRIBUTION DIAGRAM

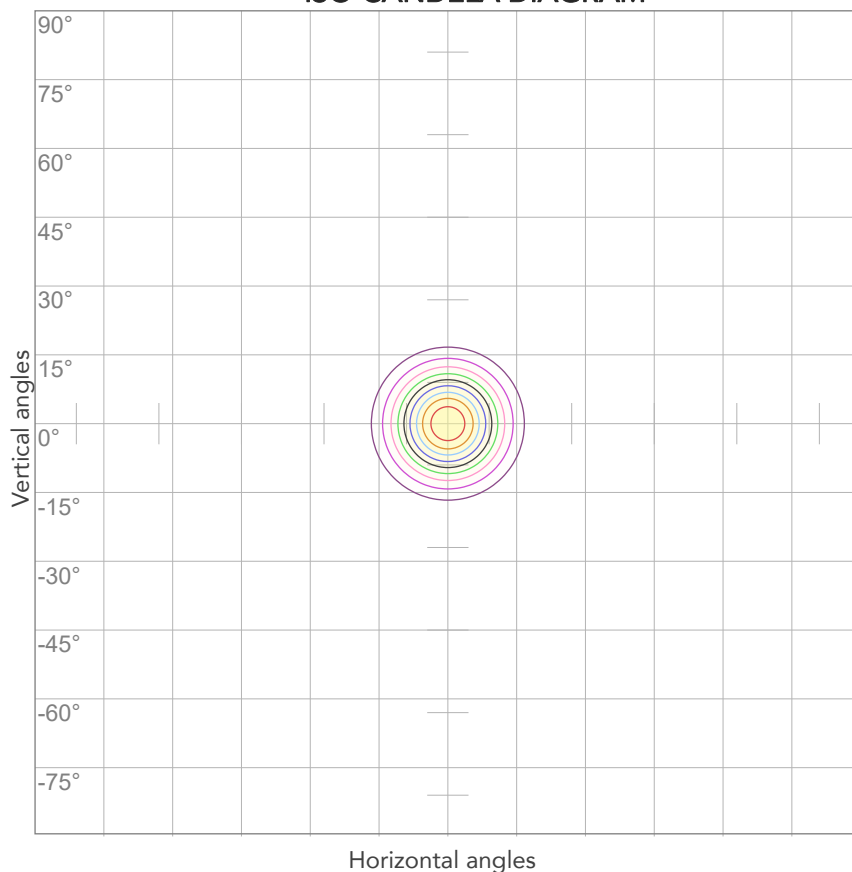


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
229V	0,063A	6,6W	0,46	51lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



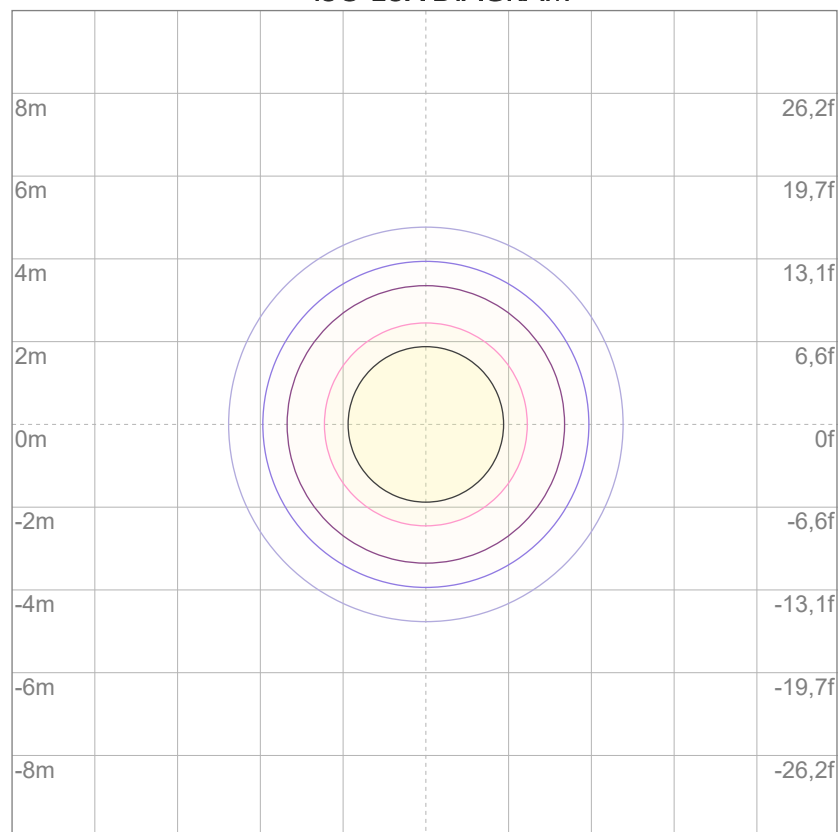
10%	190 cd
20%	379 cd
30%	569 cd
40%	758 cd
50%	948 cd
60%	1137 cd
70%	1327 cd
80%	1516 cd

Conditions:

Number of c-planes: 2

Candela at center: 1895 cd

ISO LUX DIAGRAM



3%	0,569 lx
5%	0,948 lx
10%	1,90 lx
30%	5,69 lx
50%	9,48 lx

Conditions:

Number of c-planes: 2

Lux at center: 19,0 lx

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



Total lumen output:

94,5 lm

Peak candela output:

362 cd

PRODUCT NAME:

ARCSPOTXSFC

MEASURAMENT CONDITIONS:

Beam angle:

25°

Target:

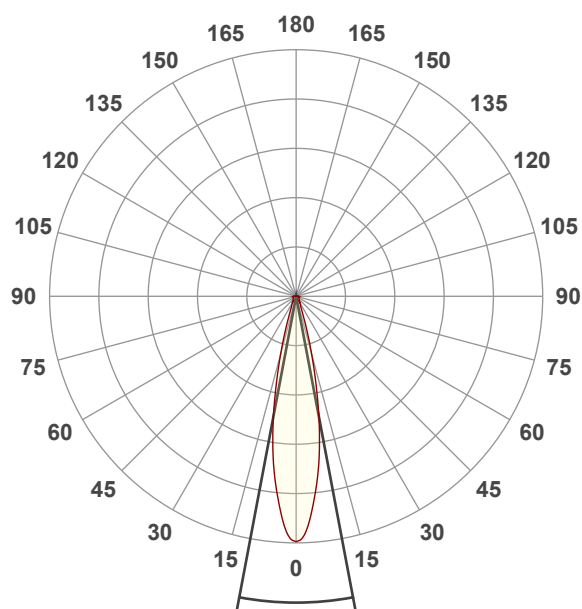
Blue

Operator:

Salvatore Giglio

Date and time:

23/05/2024 12:53:26

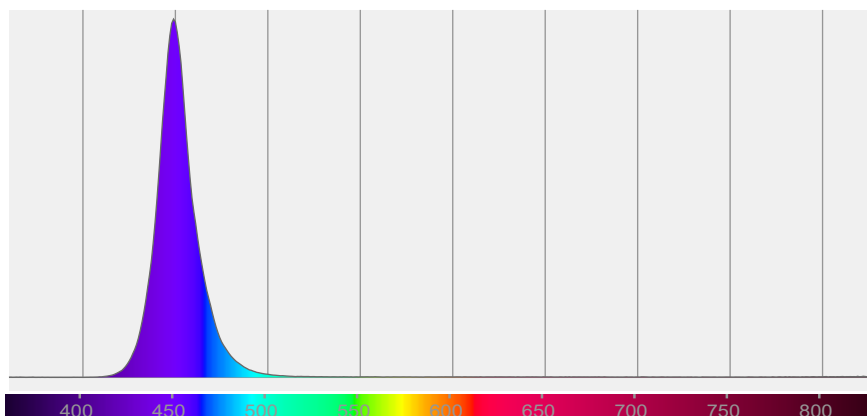


Beam angle 50%: 21,4°

Field angle 10%: 38,5°

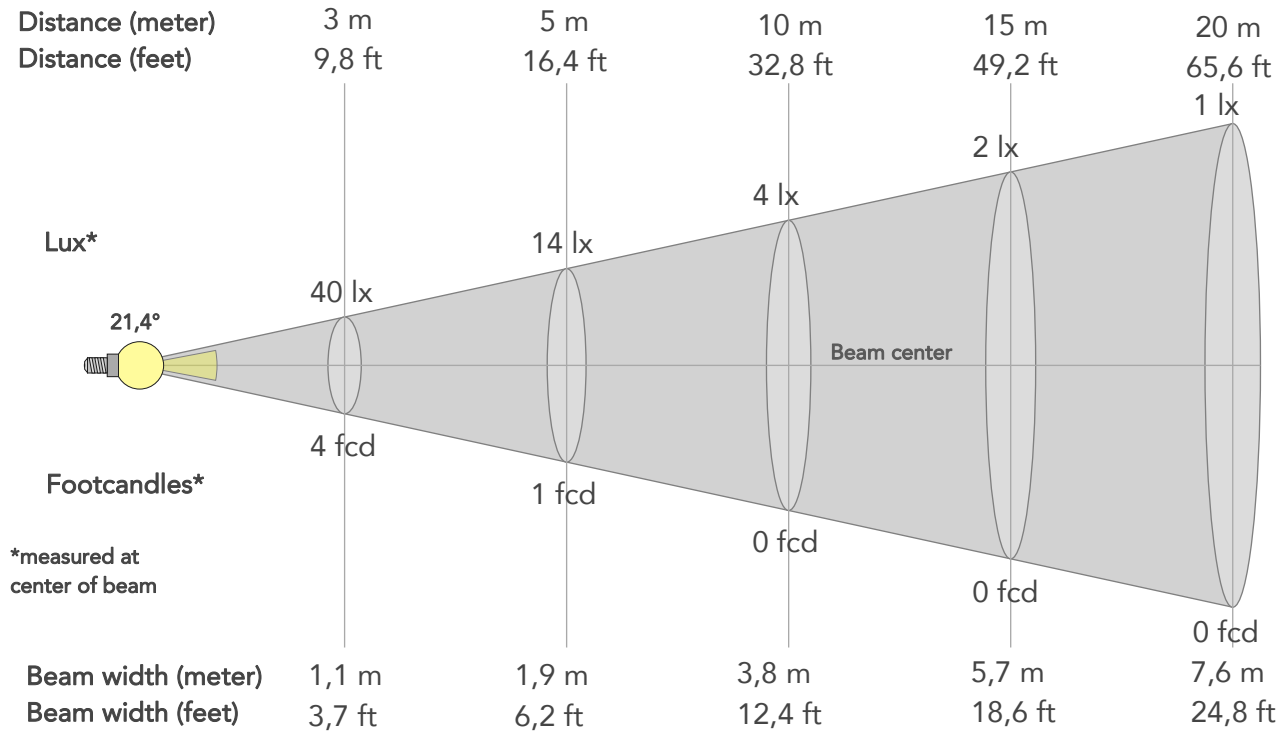
Cut off angle 2.5%: 68,3°

Spectra



BEAM DETAILS

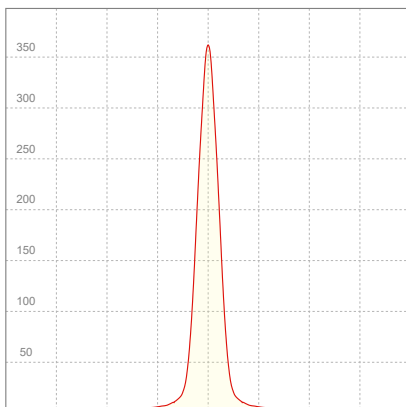
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,4°	38,5°	68,3°	77,6%	70,1%



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	362lx	90lx	40lx	23lx	14lx	6lx	4lx	2lx	1lx	1lx	0lx	0lx	0lx
Footcand.	34fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,1m	1,5m	1,9m	2,8m	3,8m	5,7m	7,6m	9,4m	11,3m	15,1m	18,9m
Beam wid.	1,2ft	2,5ft	3,7ft	4,9ft	6,2ft	9,3ft	12,4ft	18,6ft	24,8ft	31ft	37,2ft	49,6ft	62ft

LINEAR DISTRIBUTION DIAGRAM

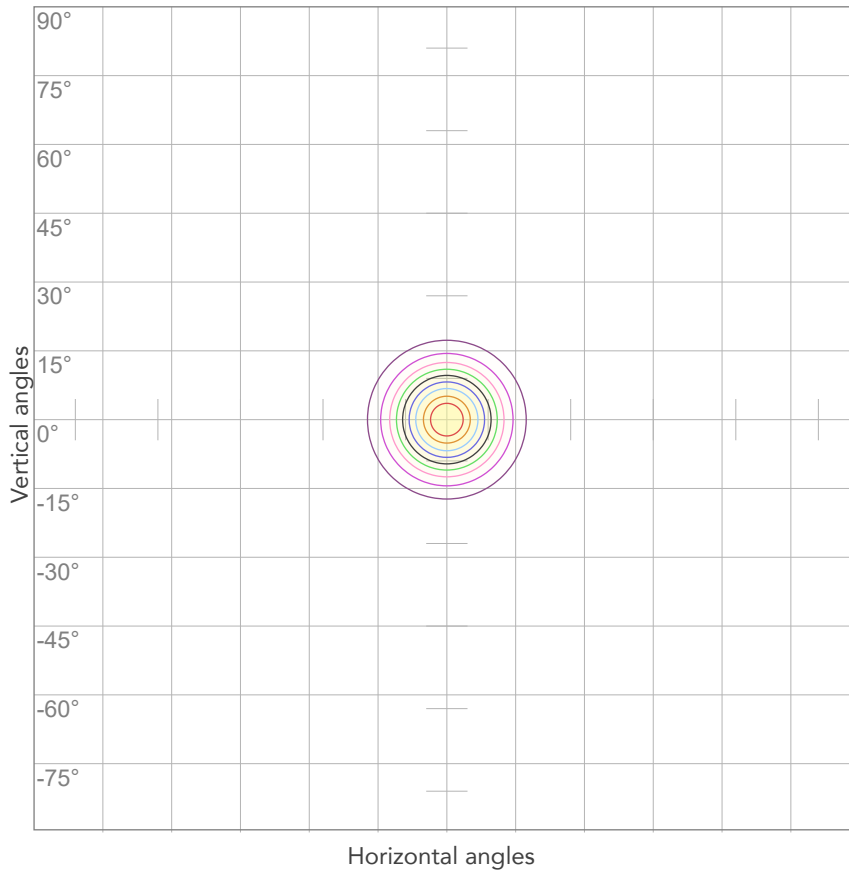


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
229V	0,065A	6,9W	0,46	14lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



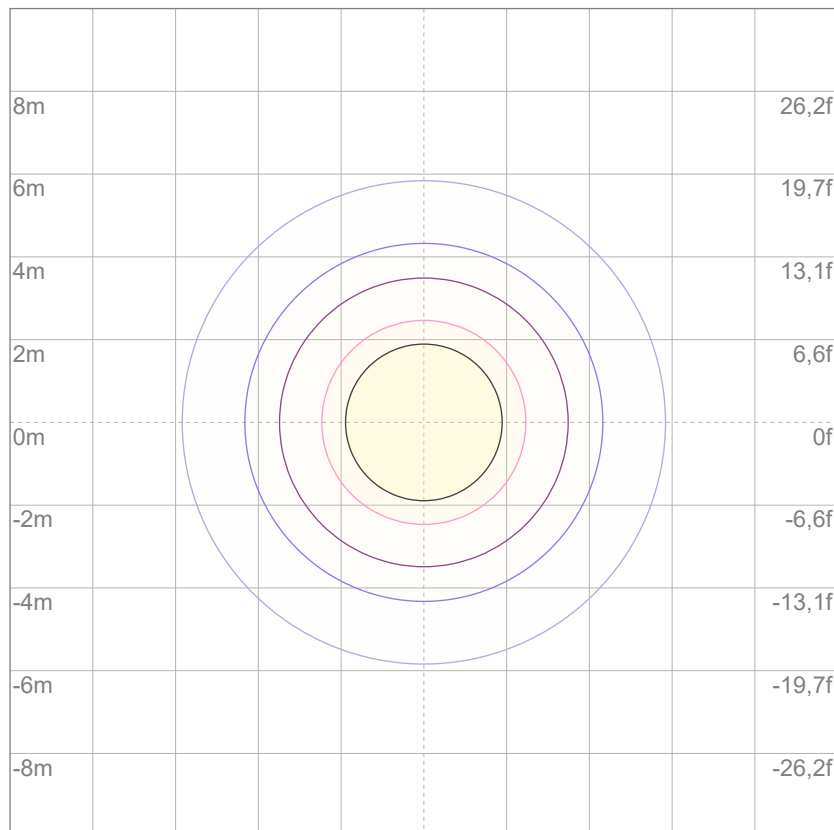
10%	36 cd
20%	72 cd
30%	108 cd
40%	145 cd
50%	181 cd
60%	217 cd
70%	253 cd
80%	289 cd

Conditions:

Number of c-planes: 2

Candela at center: 362 cd

ISO LUX DIAGRAM



3%	0,108 lx
5%	0,181 lx
10%	0,362 lx
30%	1,08 lx
50%	1,81 lx

Conditions:

Number of c-planes: 2

Lux at center: 3,62 lx

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



Total lumen output:

385 lm

Peak candela output:

2160 cd

Light quality:

CRI: 83,1

Color temperature:

2943 K

PRODUCT NAME:

ARCSPOTXSFC

MEASURAMENT CONDITIONS:

Beam angle:

25°

Target:

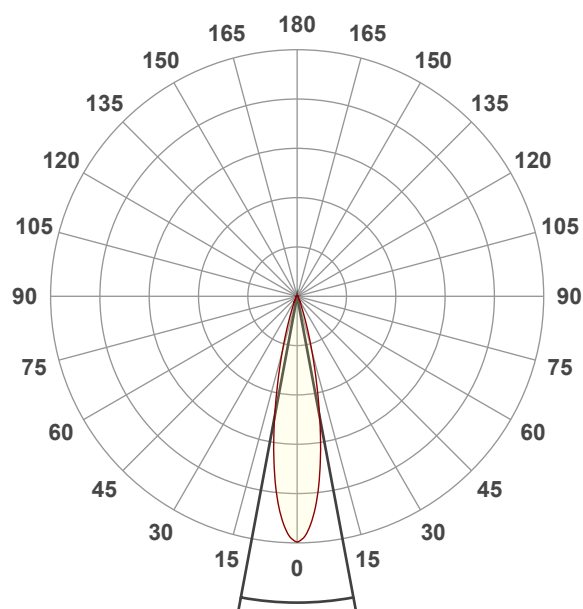
White

Operator:

Salvatore Giglio

Date and time:

23/05/2024 12:54:44

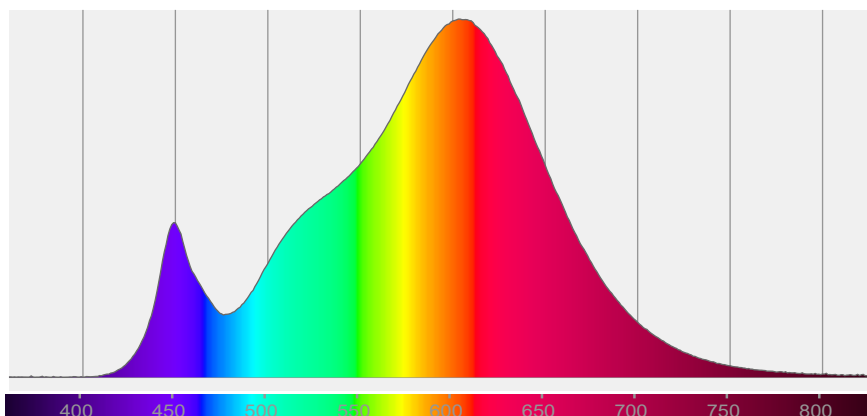


Beam angle 50%: 21,2°

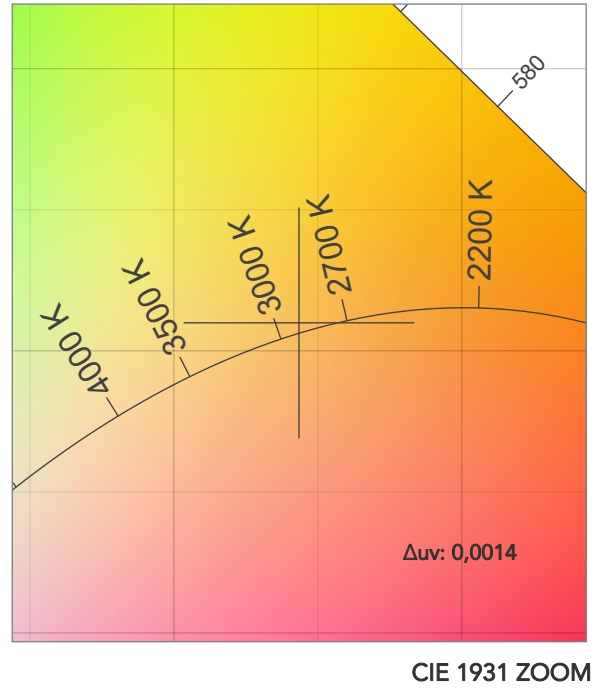
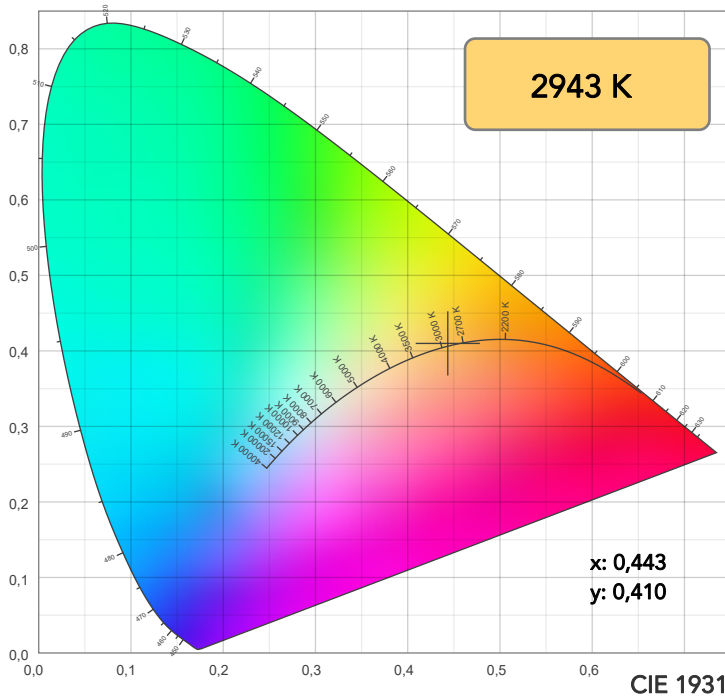
Field angle 10%: 38°

Cut off angle 2.5%: 55,6°

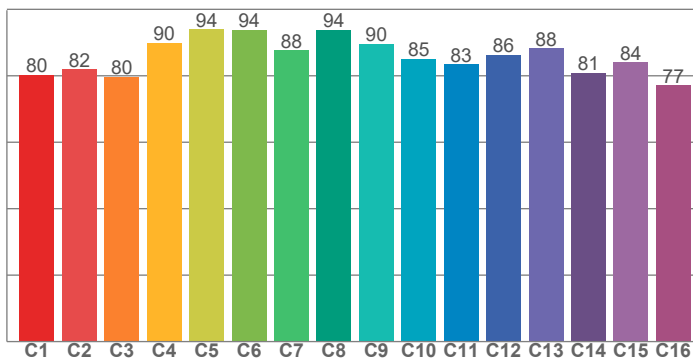
Spectra



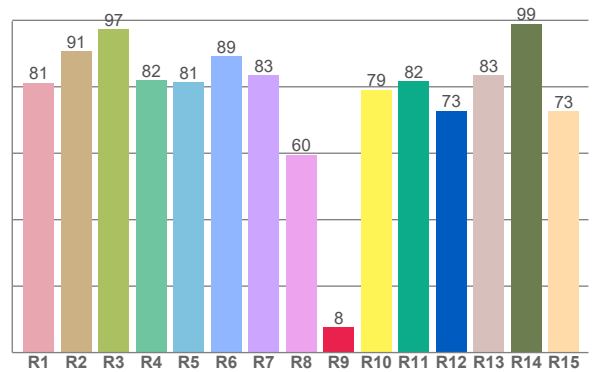
COLOR DETAILS



TM30: 85,8



CRI: 83,1 (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
81,2	90,7	97,2	81,9	81,4	89,3	83,5	59,5	7,7	79,1	81,8	72,8	83,4	99,0	72,6

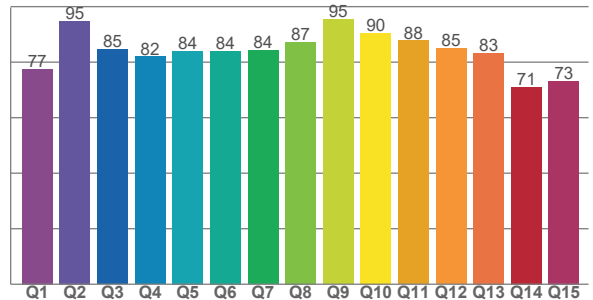
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,3	82,0	79,7	89,9	94,0	93,8	87,7	93,8	89,6	85,2	83,5	86,3	88,2	80,9	84,1	77,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,5	94,8	84,6	82,0	84,0	84,1	84,3	87,3	95,4	90,4	87,7	85,0	83,3	71,1	73,3

CQS: 82,9



COLOR PARAMETERS

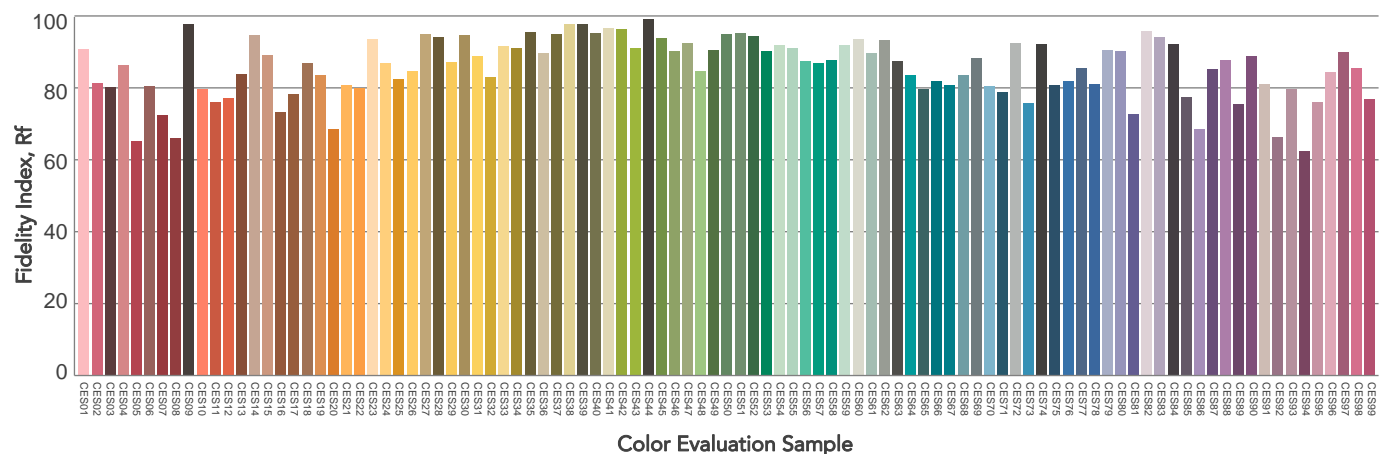
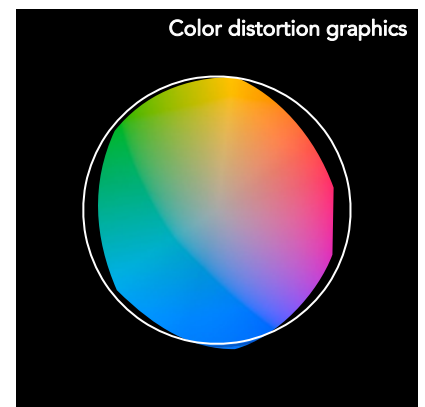
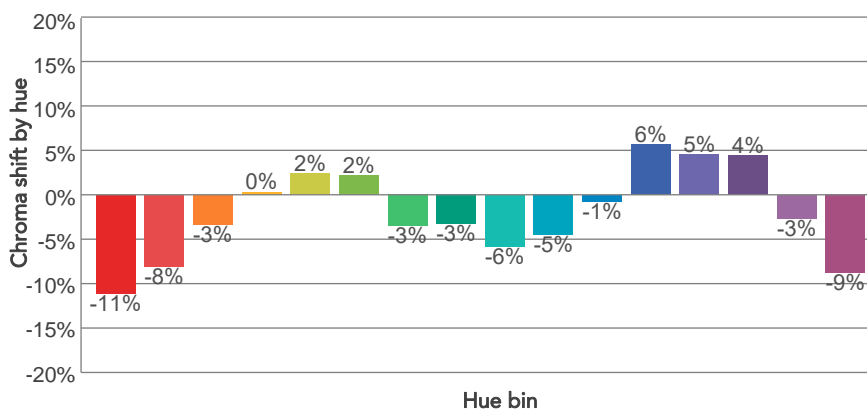
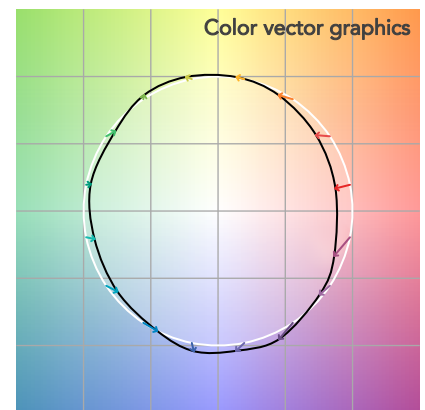
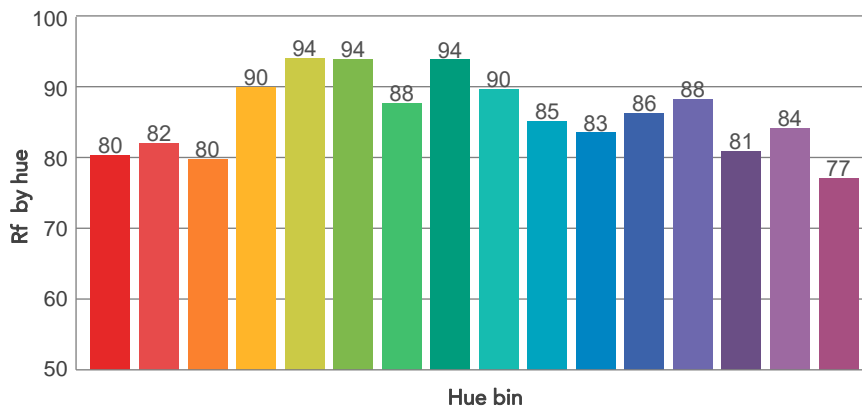
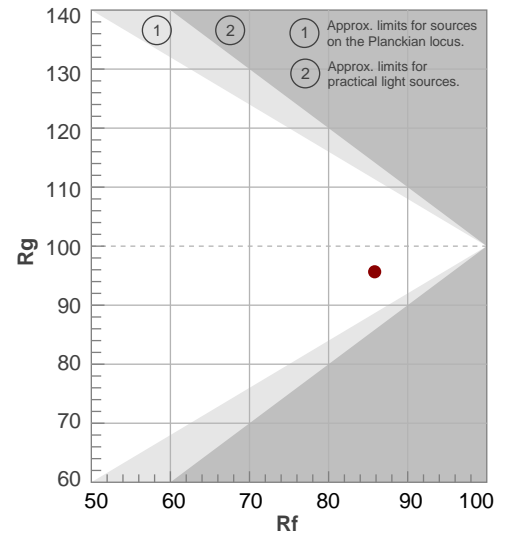
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2943 K	83,1	7,7	85,8	95,7	82,9	69	0,443	0,410	0,0014

TM30 DETAILS

Rf 85,8
Fidelity index Rf

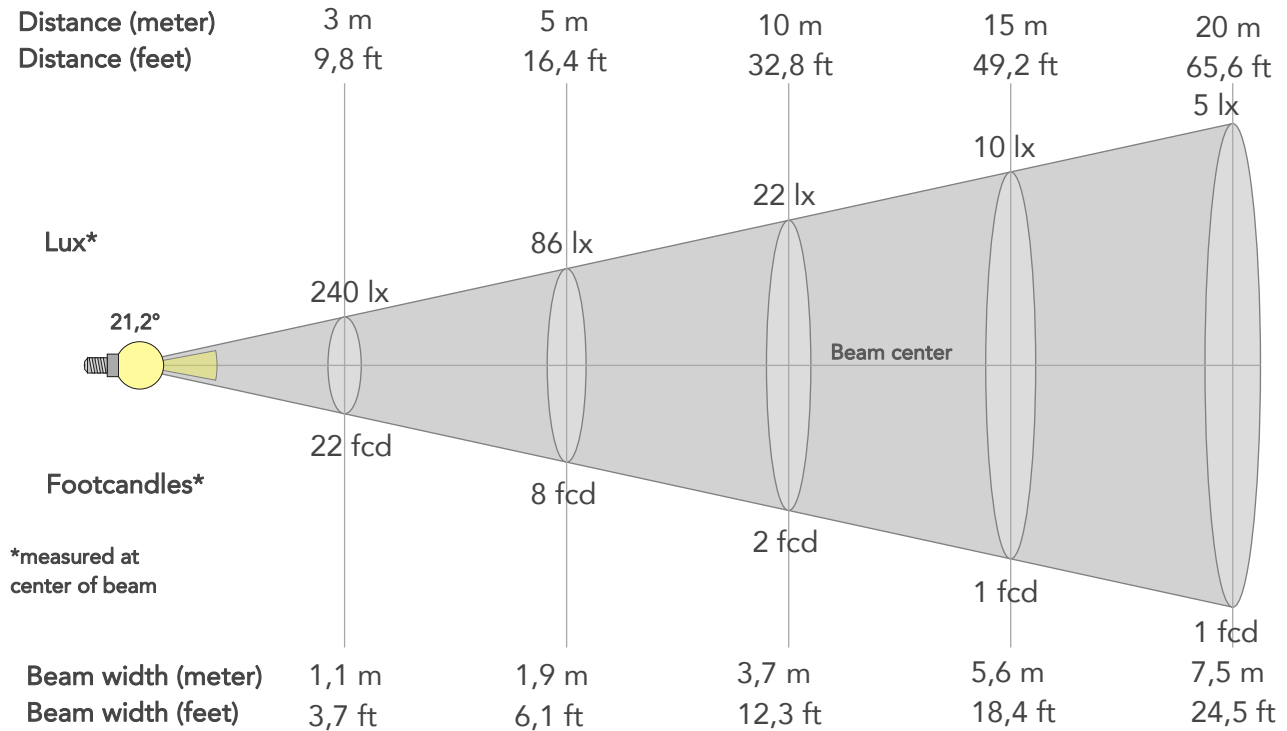
Rg 95,7
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-1%
2	82	-8%	6%
3	80	-3%	10%
4	90	0%	6%
5	94	2%	4%
6	94	2%	-2%
7	88	-3%	-7%
8	94	-3%	-1%
9	90	-6%	2%
10	85	-5%	8%
11	83	-1%	12%
12	86	6%	3%
13	88	5%	-7%
14	81	4%	-15%
15	84	-3%	-10%
16	77	-9%	-16%



BEAM DETAILS

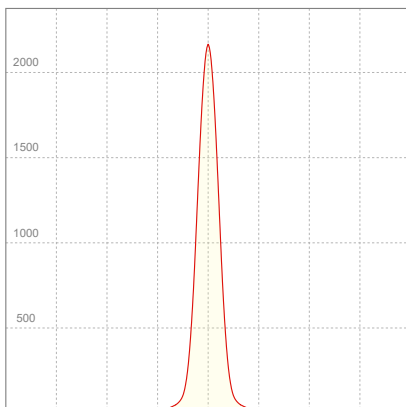
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,2°	38°	55,6°	97,4%	94,1%



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	2160lx	540lx	240lx	135lx	86lx	38lx	22lx	10lx	5lx	3lx	2lx	1lx	1lx
Footcand.	201fcd	50fcd	22fcd	13fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,9m	2,8m	3,7m	5,6m	7,5m	9,3m	11,2m	15m	18,7m
Beam wid.	1,2ft	2,5ft	3,7ft	4,9ft	6,1ft	9,2ft	12,3ft	18,4ft	24,5ft	30,7ft	36,8ft	49,1ft	61,3ft

LINEAR DISTRIBUTION DIAGRAM

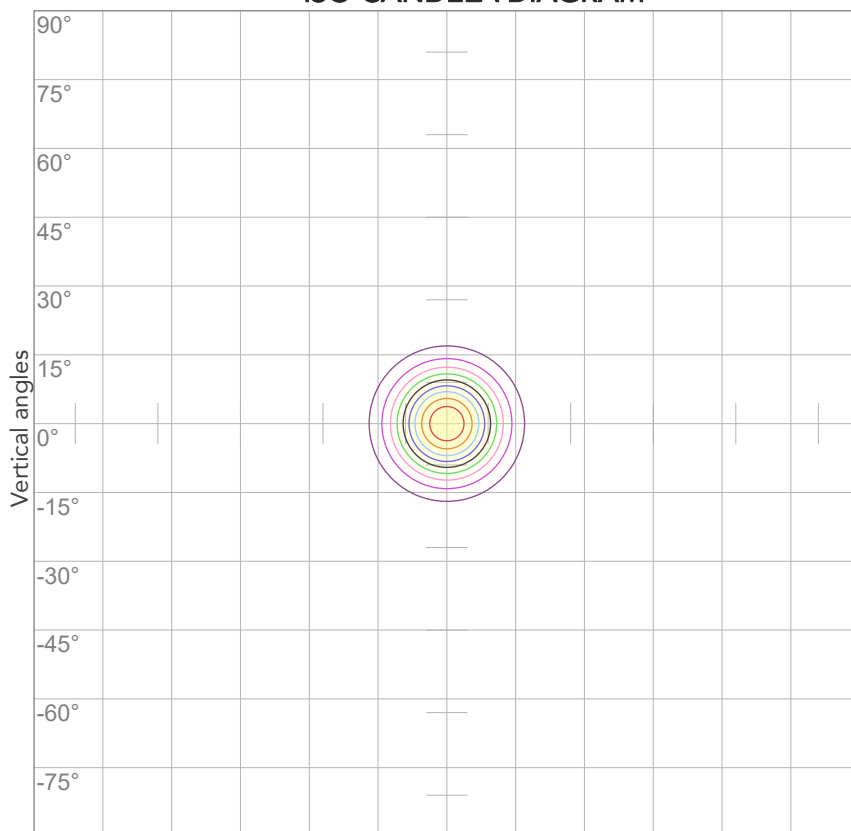


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
229V	0,075A	8,5W	0,49	45lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



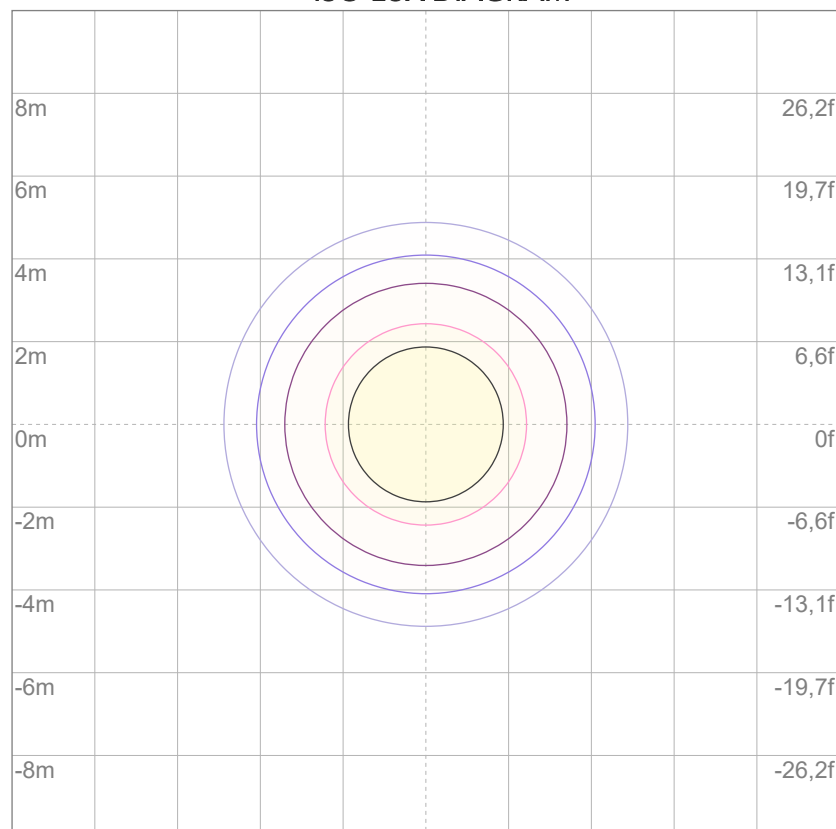
10%	216 cd
20%	432 cd
30%	648 cd
40%	864 cd
50%	1080 cd
60%	1296 cd
70%	1512 cd
80%	1728 cd

Conditions:

Number of c-planes: 2

Candela at center: 2160 cd

ISO LUX DIAGRAM



3%	0,648 lx
5%	1,08 lx
10%	2,16 lx
30%	6,48 lx
50%	10,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 21,6 lx

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



Total lumen output:

521 lm

Peak candela output:

2904 cd

Light quality:

CRI: 88,2

Color temperature:

2838 K

PRODUCT NAME:

ARCSPOTXSFC

MEASURAMENT CONDITIONS:

Beam angle:

25°

Target:

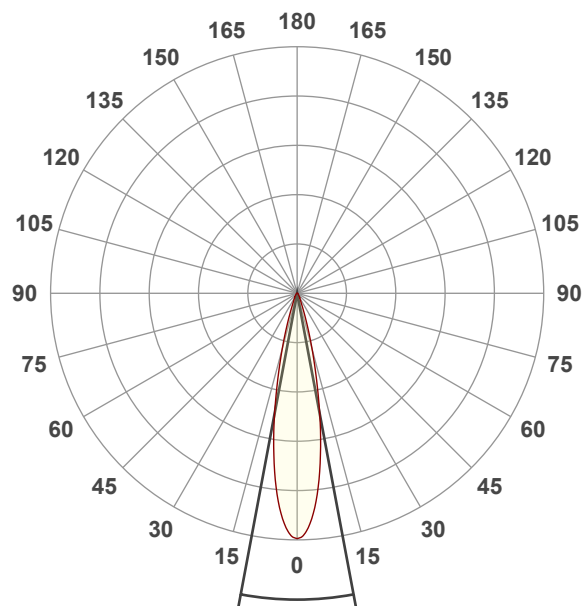
2800K

Operator:

Salvatore Giglio

Date and time:

23/05/2024 12:56:27

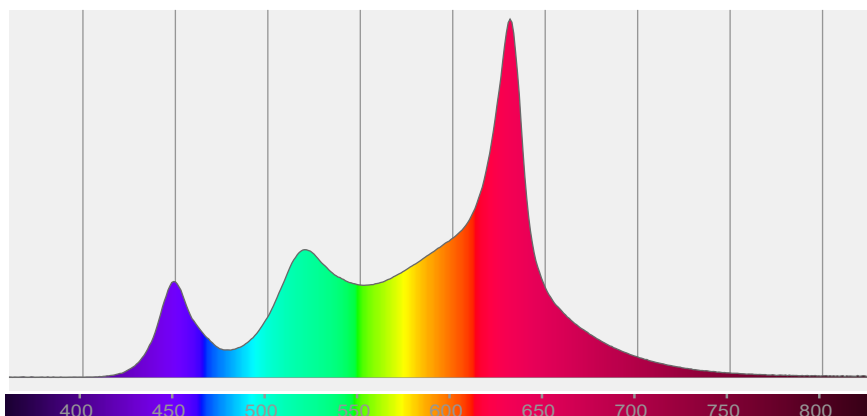


Beam angle 50%: 21,2°

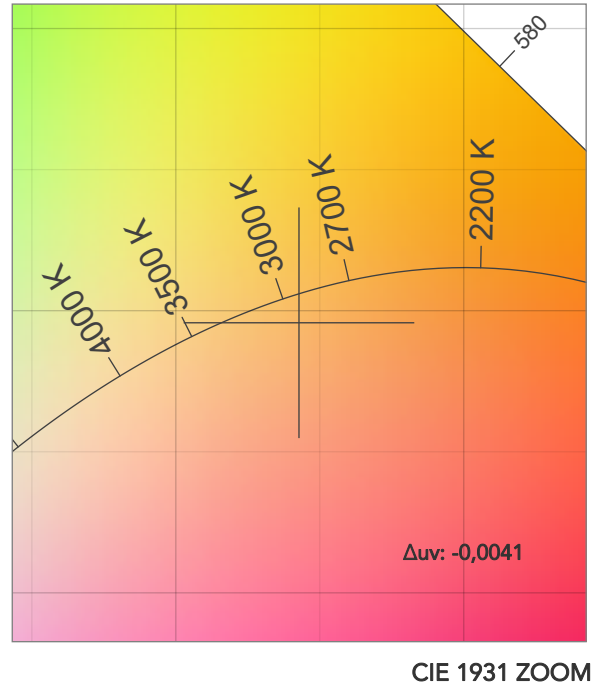
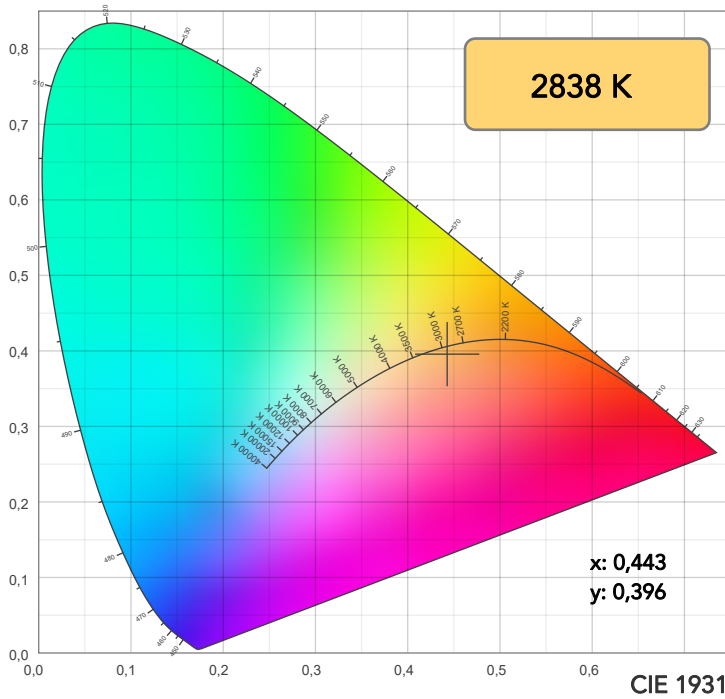
Field angle 10%: 37,8°

Cut off angle 2.5%: 55,7°

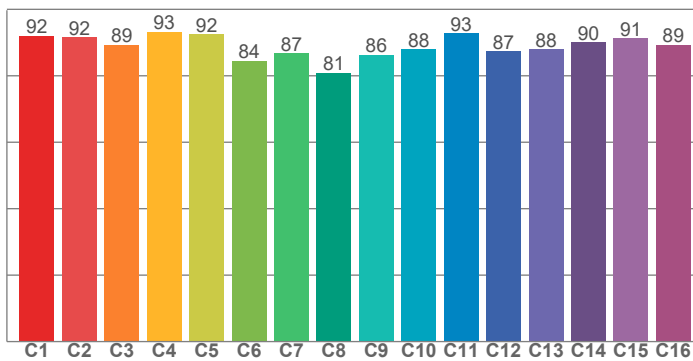
Spectra



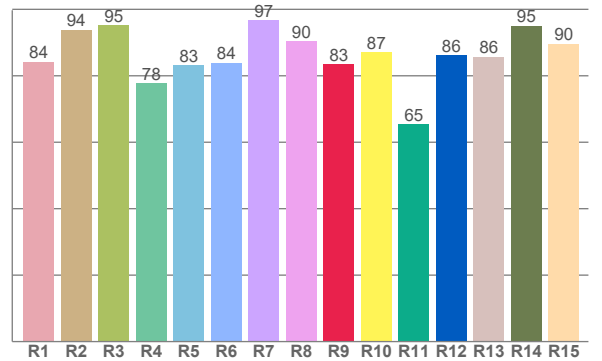
COLOR DETAILS



TM30: 89,6



CRI: 88,2 (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
84,2	93,8	95,2	77,9	83,2	84,0	96,8	90,5	83,4	87,2	65,4	86,2	85,8	95,1	89,7

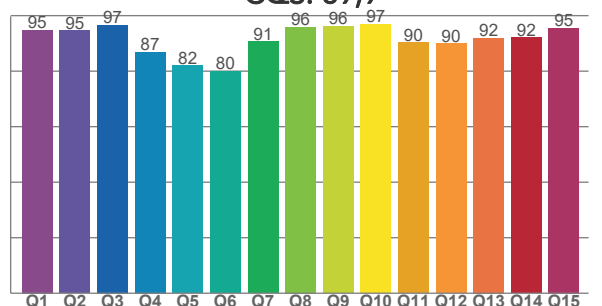
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,0	91,5	89,3	93,2	92,5	84,5	86,7	80,8	86,3	88,0	92,8	87,4	87,9	90,0	91,2	89,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,7	94,6	96,7	87,0	82,0	79,9	90,7	96,0	96,2	96,9	90,3	90,0	91,9	92,1	95,5

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
2838 K	88,2	83,4	89,6	108,7	89,9	73	0,443	0,396	-0,0041

TM30 DETAILS

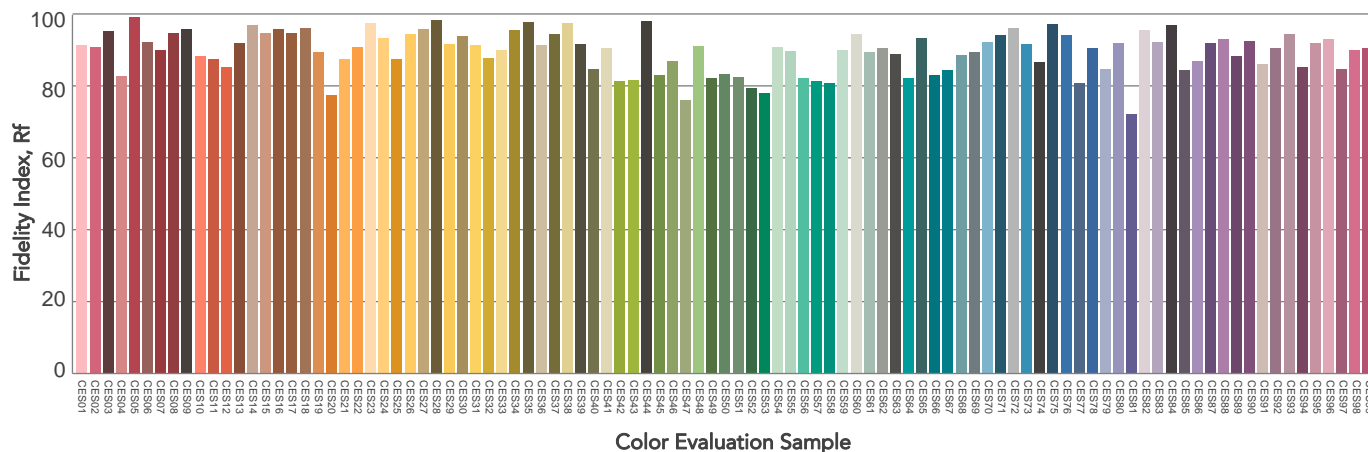
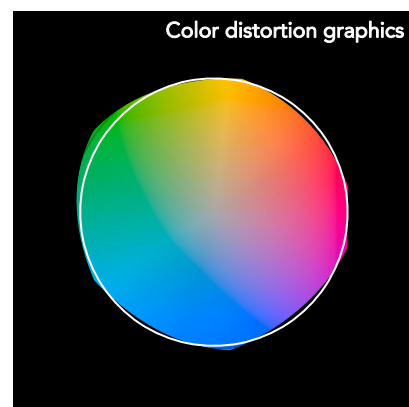
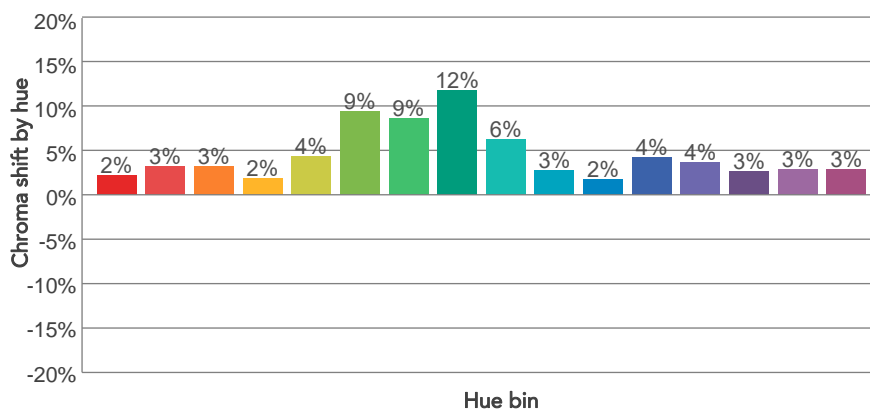
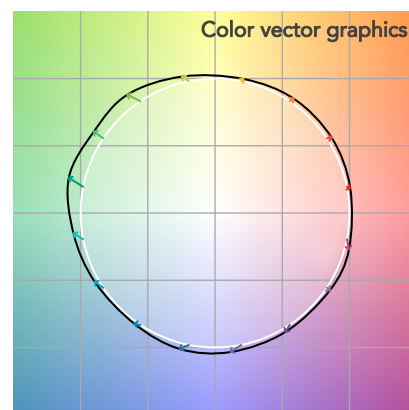
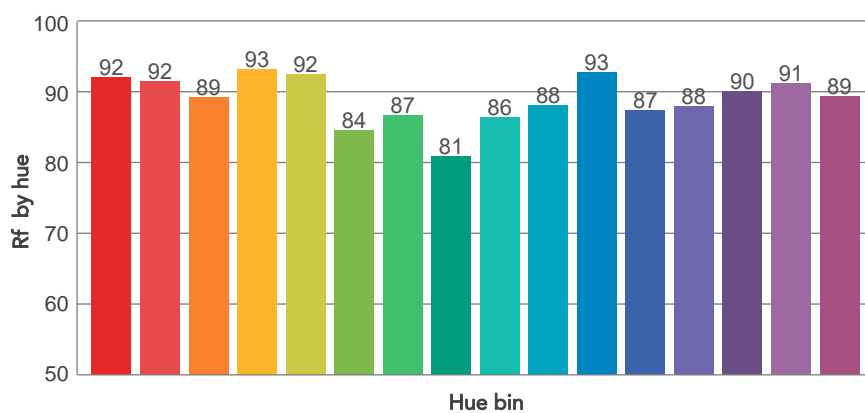
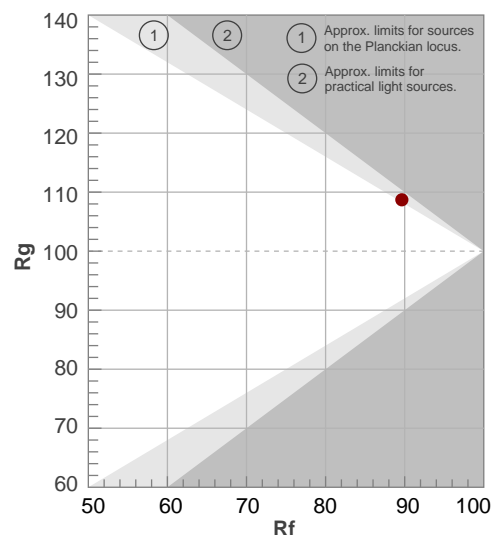
Rf 89,6

Fidelity index Rf

Rg 108,7

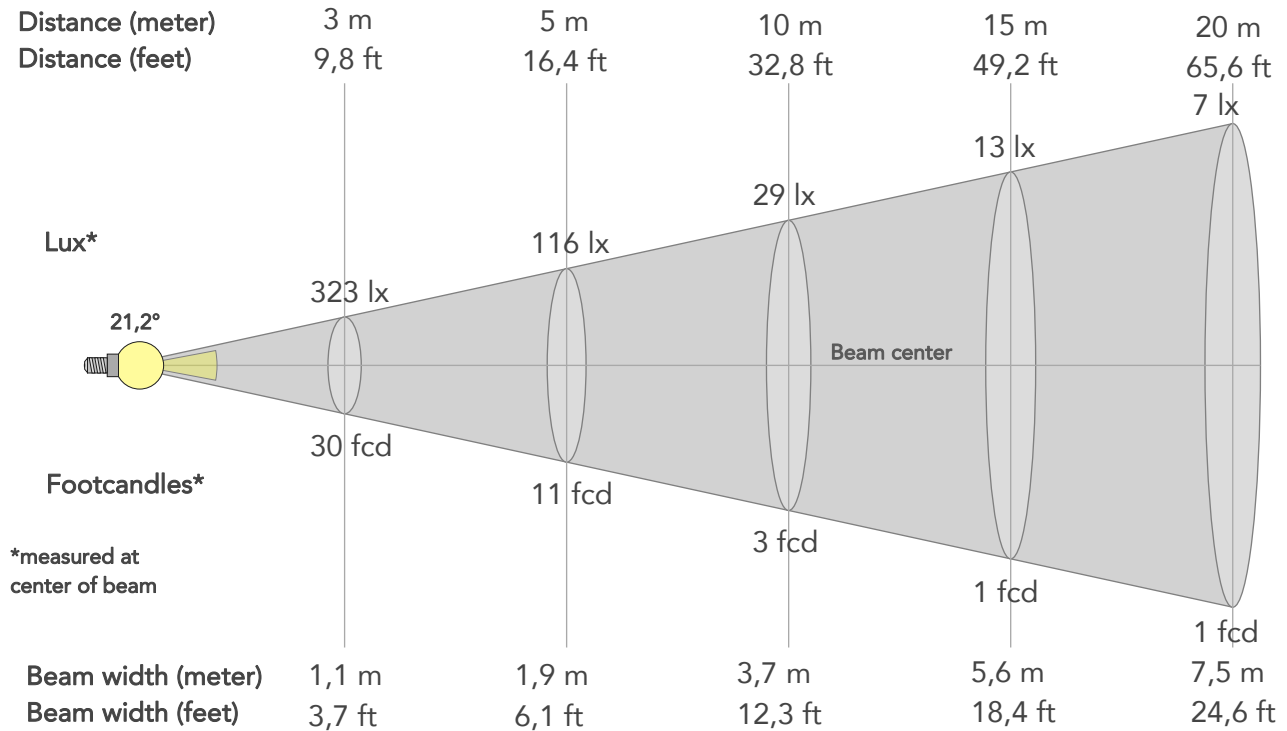
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	92	2%	-1%
2	92	3%	-2%
3	89	3%	-1%
4	93	2%	-1%
5	92	4%	4%
6	84	9%	5%
7	87	9%	0%
8	81	12%	-4%
9	86	6%	-6%
10	88	3%	-7%
11	93	2%	-4%
12	87	4%	-6%
13	88	4%	-9%
14	90	3%	-6%
15	91	3%	0%
16	89	3%	-7%



BEAM DETAILS

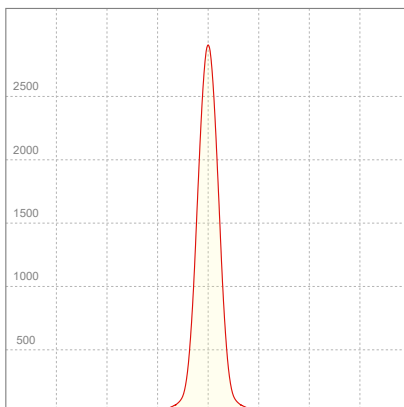
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,2°	37,8°	55,7°	96,9%	93,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2904lx	726lx	323lx	182lx	116lx	52lx	29lx	13lx	7lx	5lx	3lx	2lx	1lx
Footcand.	270fcd	67fcd	30fcd	17fcd	11fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,9m	2,8m	3,7m	5,6m	7,5m	9,4m	11,2m	15m	18,7m
Beam wid.	1,2ft	2,5ft	3,7ft	4,9ft	6,1ft	9,2ft	12,3ft	18,4ft	24,6ft	30,7ft	36,9ft	49,2ft	61,5ft

LINEAR DISTRIBUTION DIAGRAM

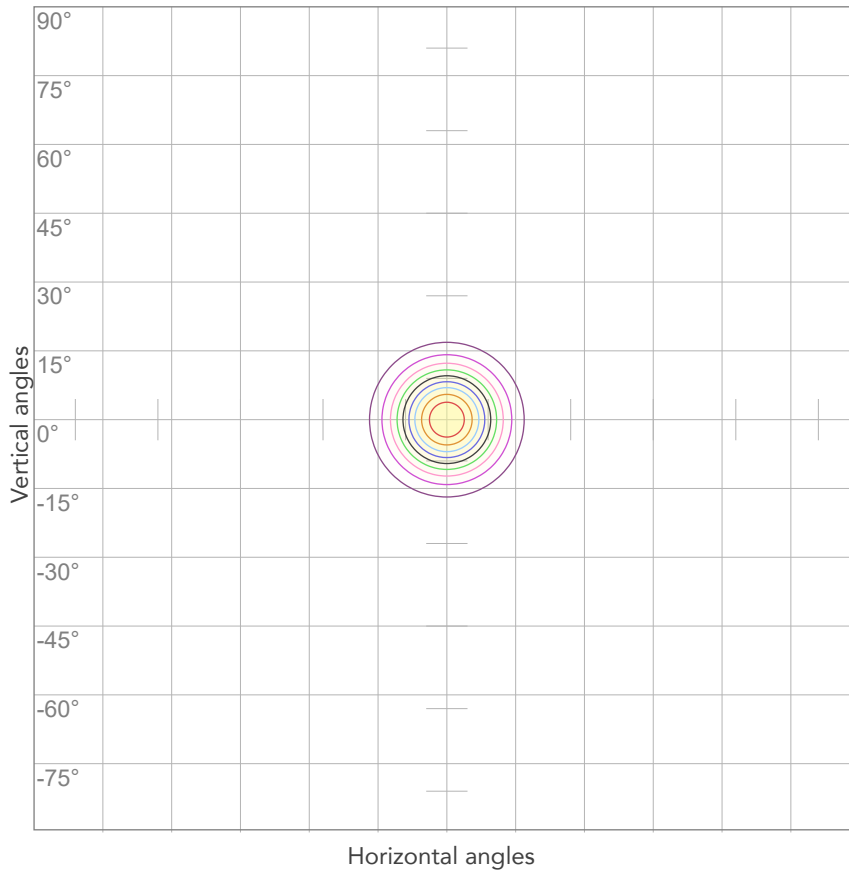


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
230V	0,103A	11,9W	0,5	44lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



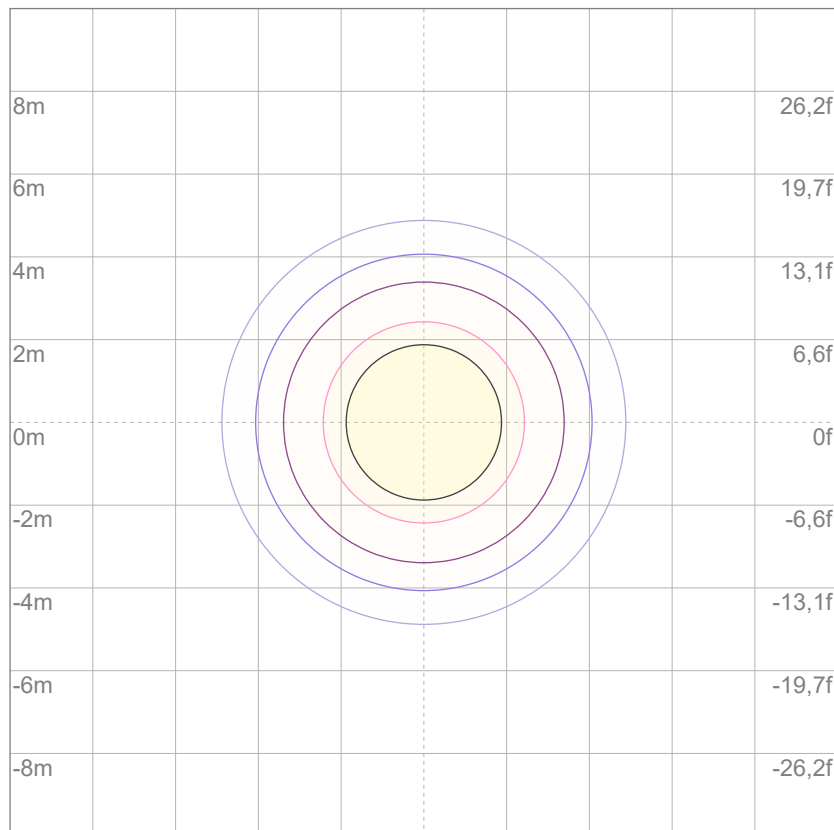
10%	290 cd
20%	581 cd
30%	871 cd
40%	1162 cd
50%	1452 cd
60%	1743 cd
70%	2033 cd
80%	2323 cd

Conditions:

Number of c-planes: 2

Candela at center: 2904 cd

ISO LUX DIAGRAM



3%	0,871 lx
5%	1,45 lx
10%	2,90 lx
30%	8,71 lx
50%	14,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 29,0 lx

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



Total lumen output:

546 lm

Peak candela output:

2921 cd

Light quality:

CRI: 89,7

Color temperature:

3255 K

PRODUCT NAME:

ARCSPOTXSFC

MEASURAMENT CONDITIONS:

Beam angle:

25°

Target:

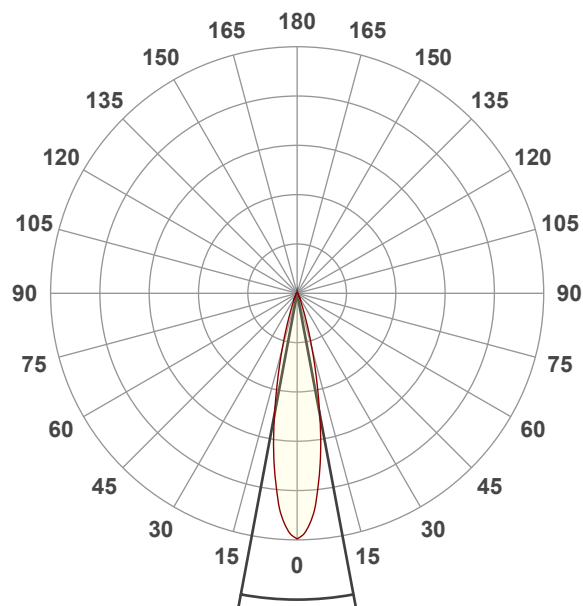
3200K

Operator:

Salvatore Giglio

Date and time:

23/05/2024 13:06:41

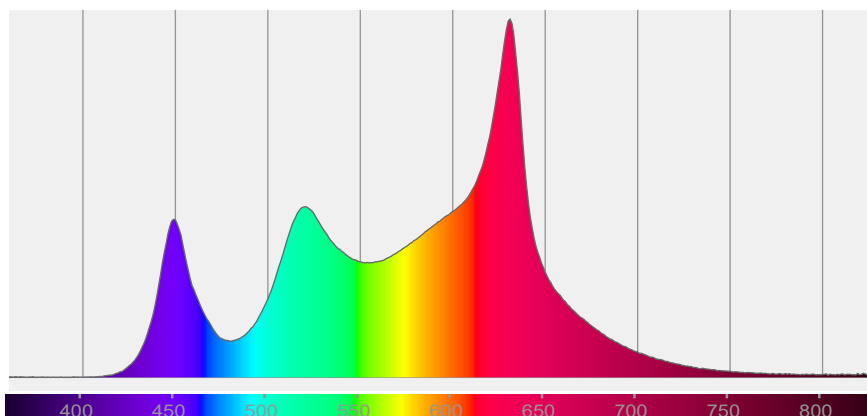


Beam angle 50%: 21,2°

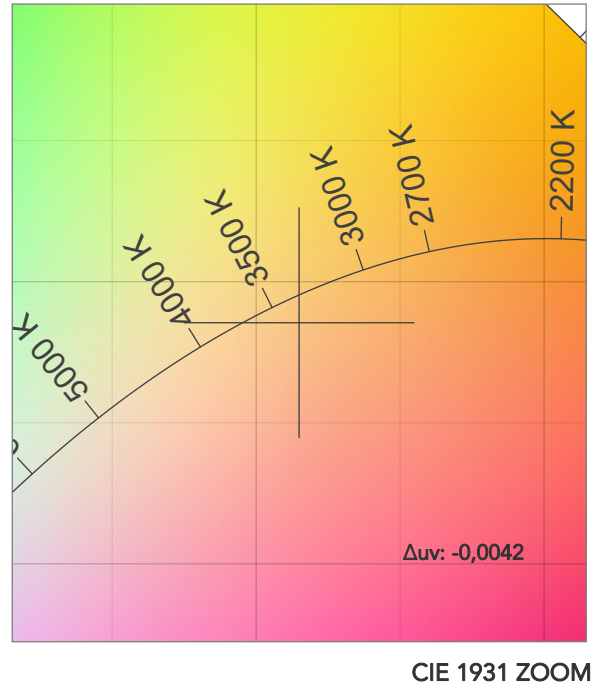
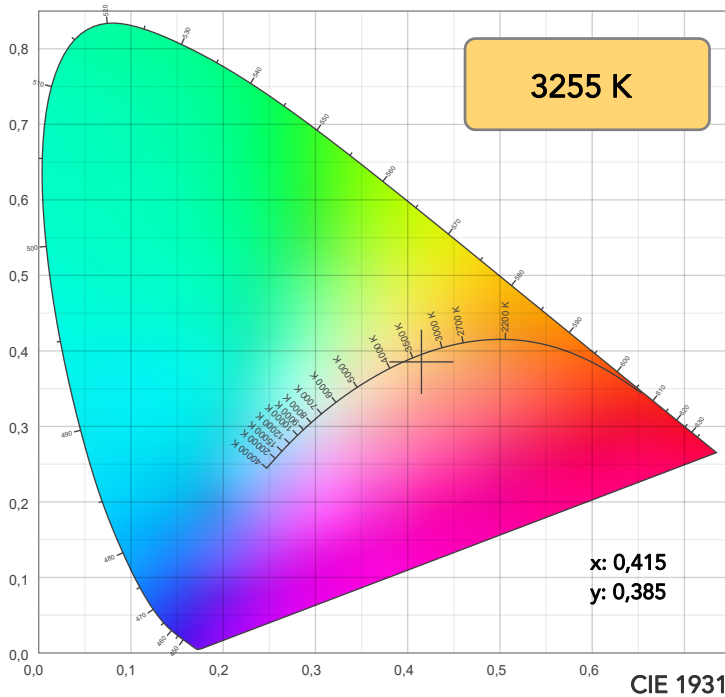
Field angle 10%: 38°

Cut off angle 2.5%: 56,2°

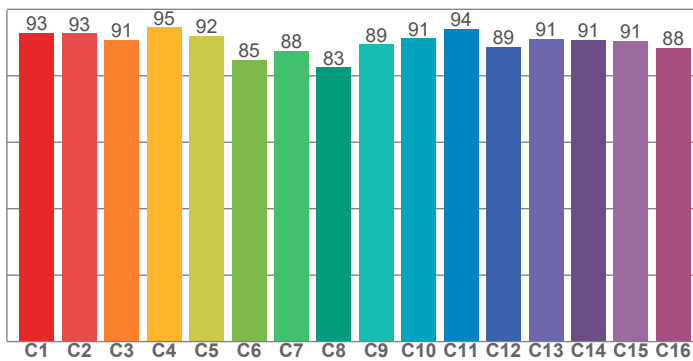
Spectra



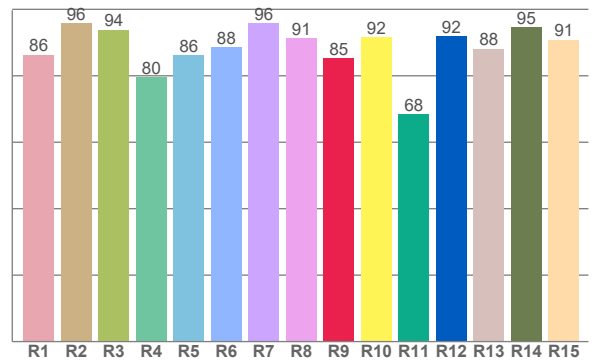
COLOR DETAILS



TM30: 90,8



CRI: 89,7 (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
86,3	95,9	93,8	79,5	86,3	88,5	95,7	91,3	85,3	91,7	68,4	91,8	88,1	94,6	90,9

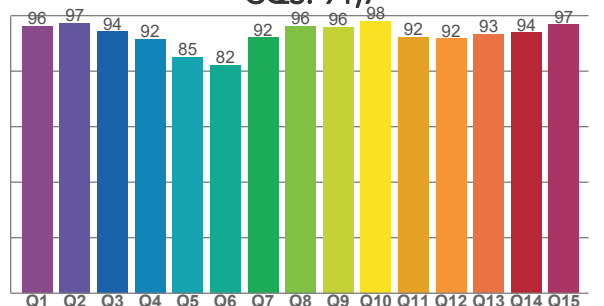
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,9	92,7	90,9	94,6	92,0	84,8	87,5	82,6	89,5	91,3	94,1	88,7	91,2	90,9	90,6	88,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,2	97,3	94,3	91,6	85,0	82,3	92,0	96,3	95,8	98,0	92,3	91,8	93,3	93,9	96,7

CQS: 91,7



COLOR PARAMETERS

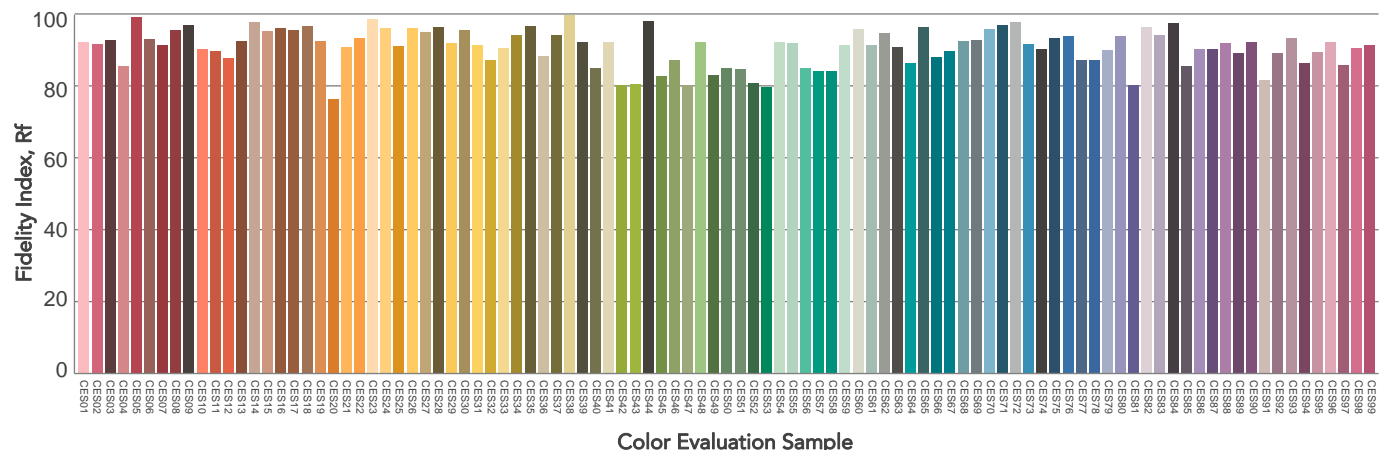
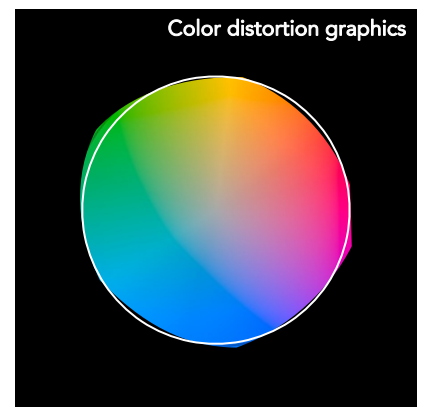
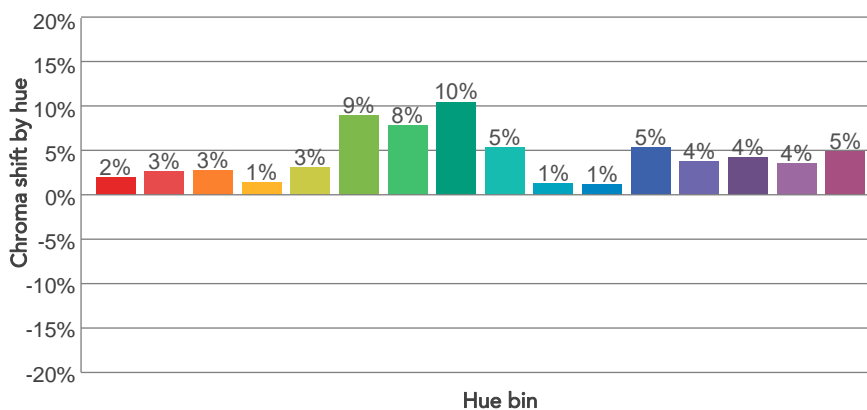
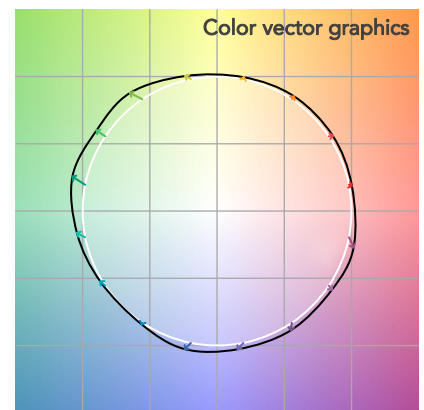
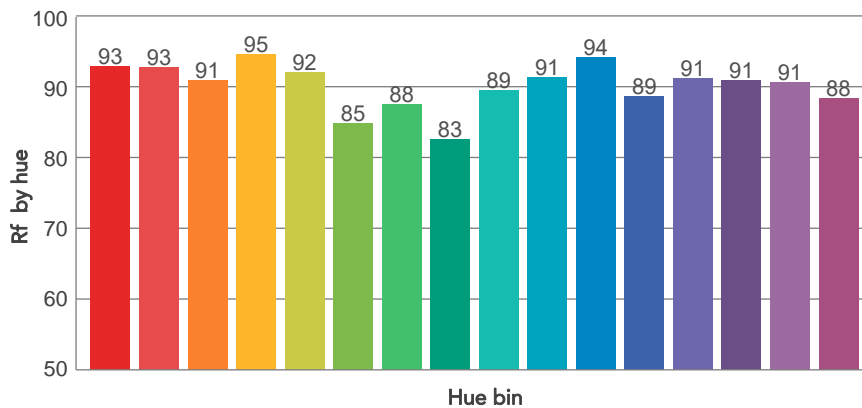
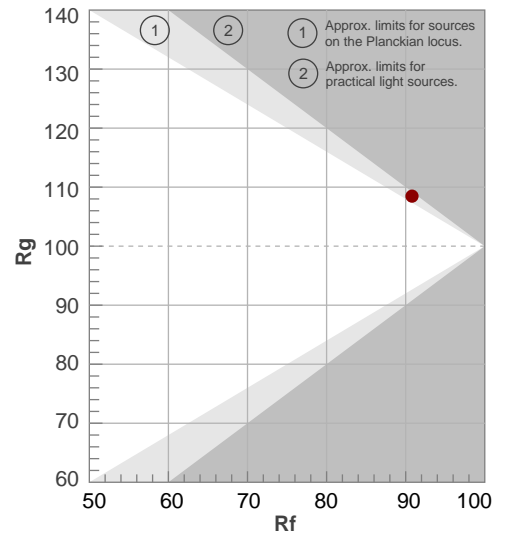
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3255 K	89,7	85,3	90,8	108,5	91,7	77	0,415	0,385	-0,0042

TM30 DETAILS

Rf 90,8
Fidelity index Rf

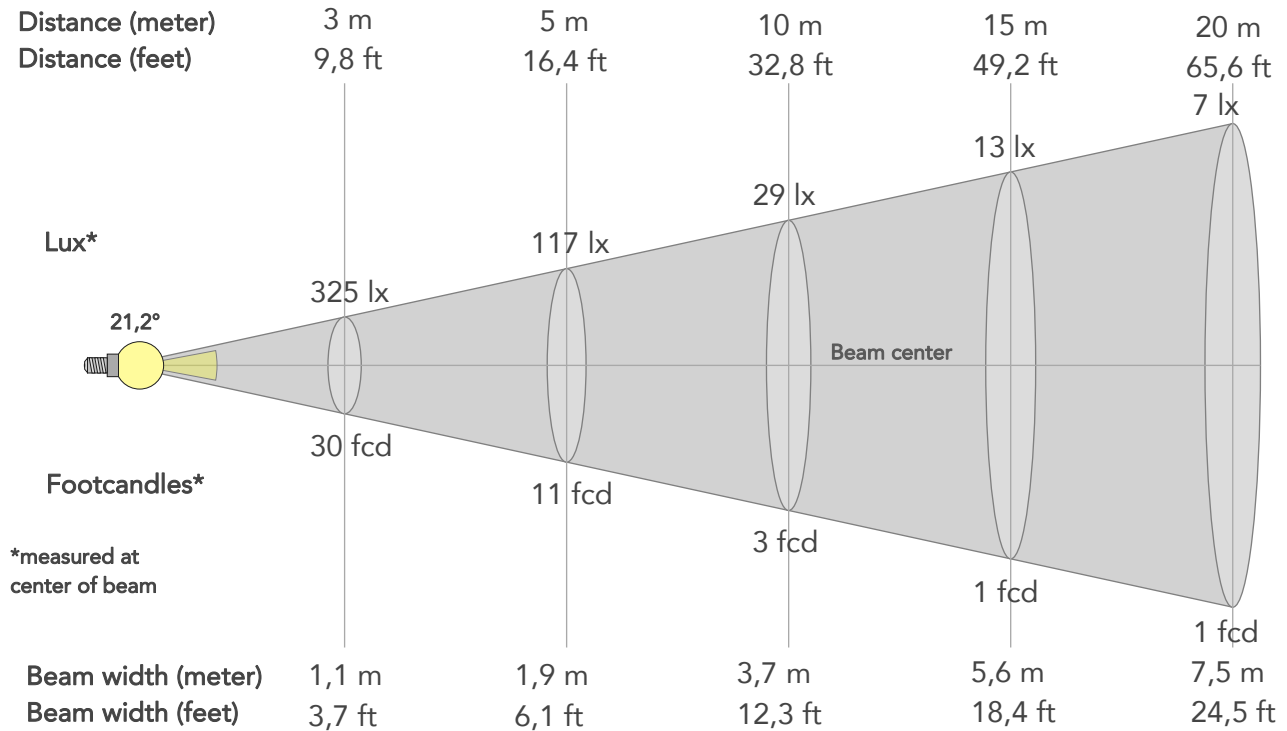
Rg 108,5
Gammut index

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



BEAM DETAILS

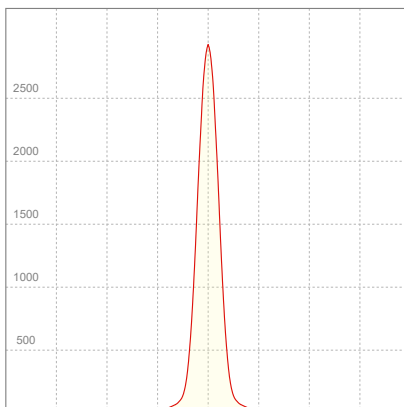
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,2°	38°	56,2°	94,7%	90,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2921lx	730lx	325lx	183lx	117lx	52lx	29lx	13lx	7lx	5lx	3lx	2lx	1lx
Footcand.	271fcd	68fcd	30fcd	17fcd	11fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,9m	2,8m	3,7m	5,6m	7,5m	9,4m	11,2m	15m	18,7m
Beam wid.	1,2ft	2,5ft	3,7ft	4,9ft	6,1ft	9,2ft	12,3ft	18,4ft	24,5ft	30,7ft	36,8ft	49,1ft	61,3ft

LINEAR DISTRIBUTION DIAGRAM

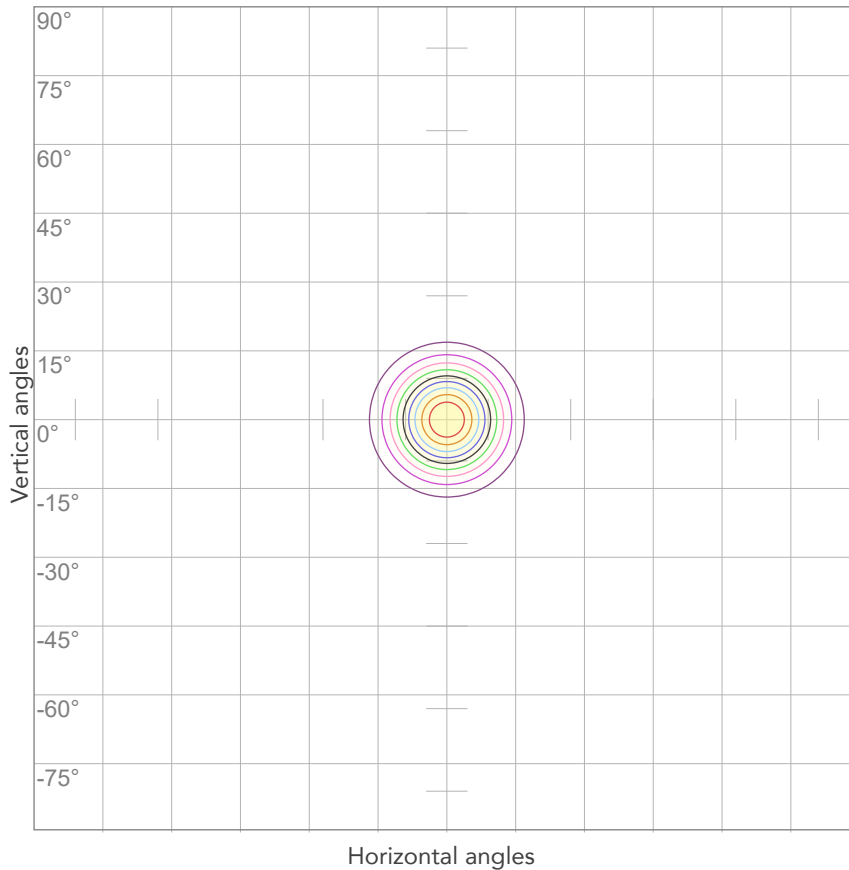


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,103A	11,9W	0,5	46lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



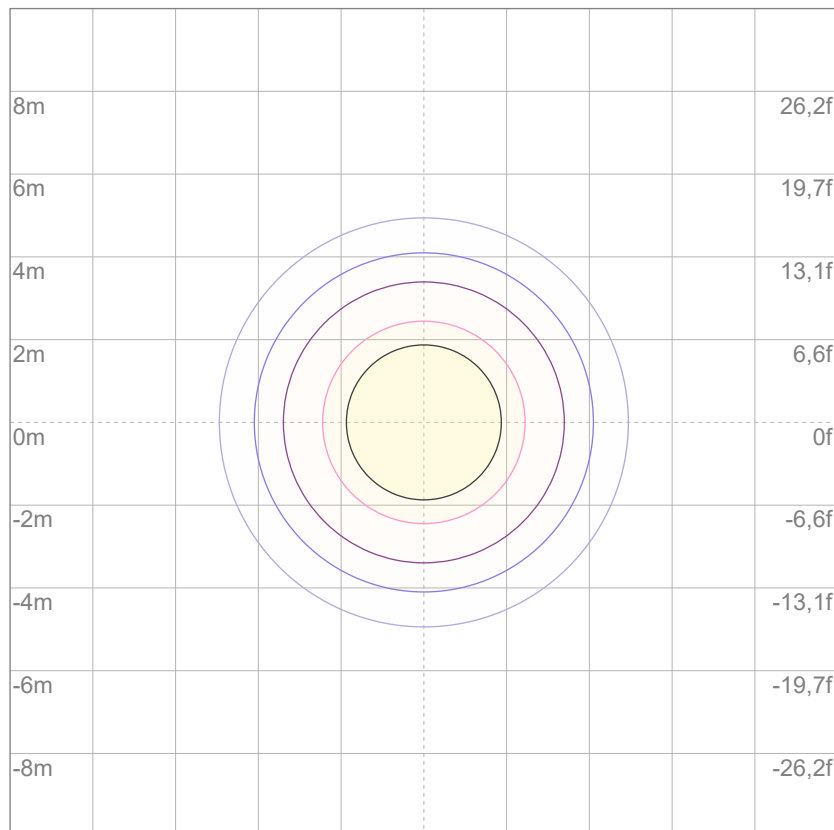
10%	292 cd
20%	584 cd
30%	876 cd
40%	1168 cd
50%	1461 cd
60%	1753 cd
70%	2045 cd
80%	2337 cd

Conditions:

Number of c-planes: 2

Candela at center: 2921 cd

ISO LUX DIAGRAM



3%	0,876 lx
5%	1,46 lx
10%	2,92 lx
30%	8,76 lx
50%	14,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 29,2 lx

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



Total lumen output:

520 lm

Peak candela output:

2949 cd

Light quality:

CRI: 91,6

Color temperature:

4056 K

PRODUCT NAME:

ARCSPOTXSFC

MEASURAMENT CONDITIONS:

Beam angle:

25°

Target:

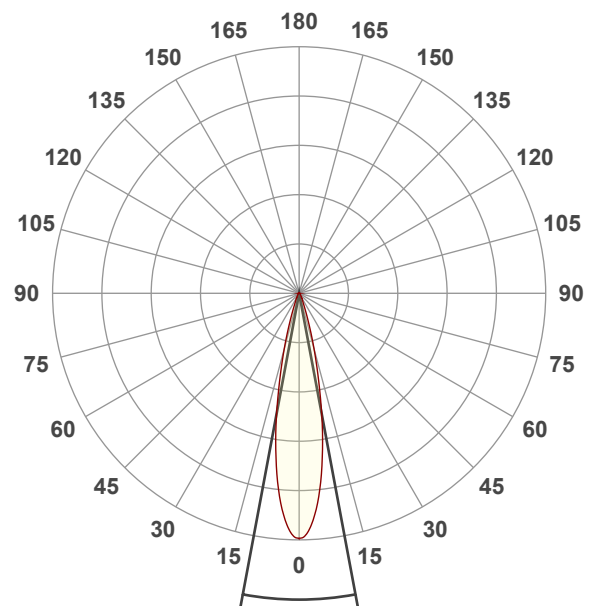
4000K

Operator:

Salvatore Giglio

Date and time:

23/05/2024 13:09:39

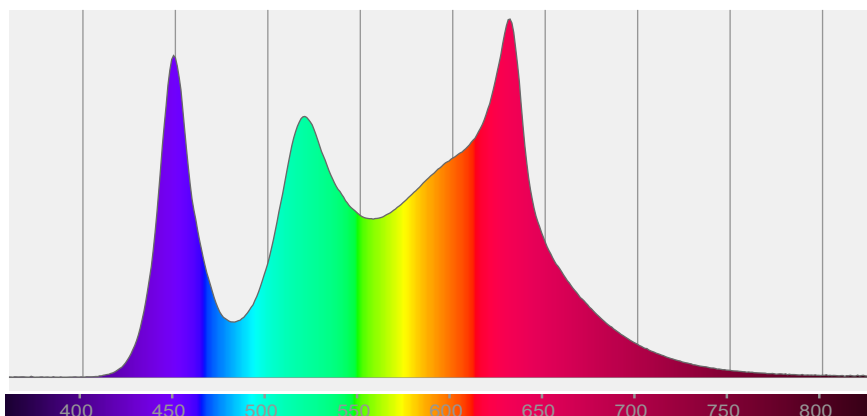


Beam angle 50%: 21,2°

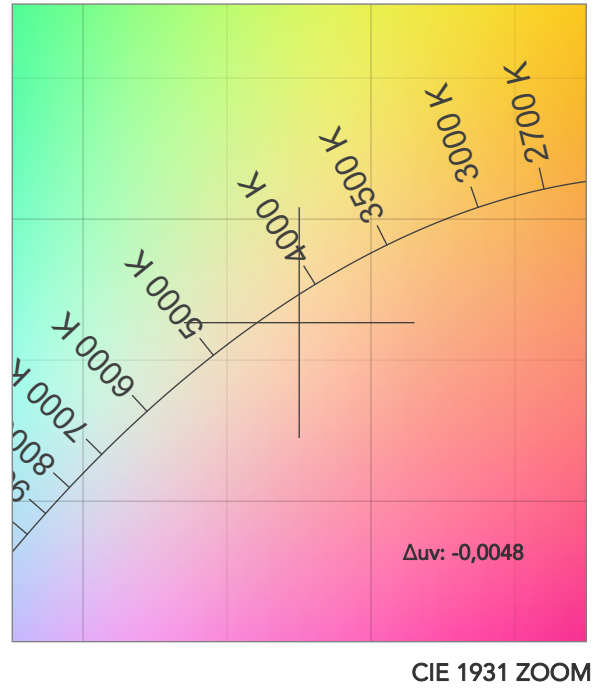
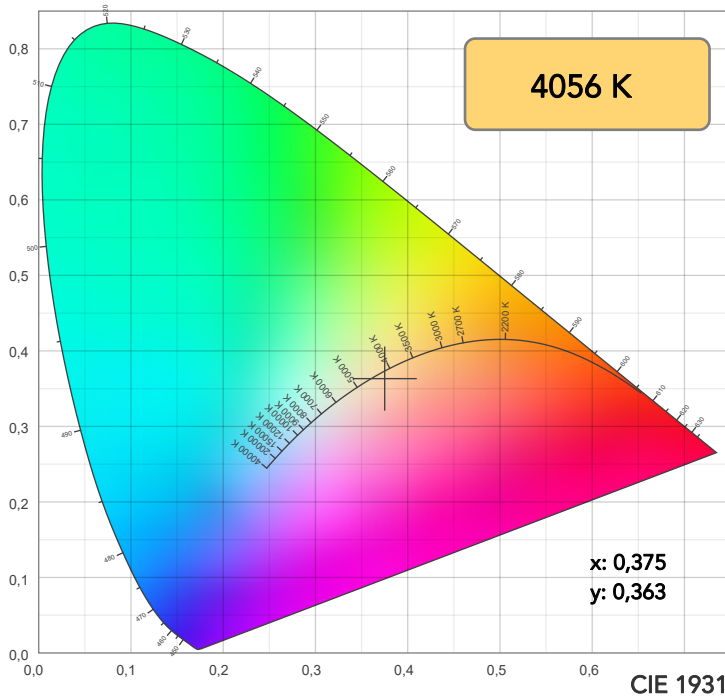
Field angle 10%: 37,7°

Cut off angle 2.5%: 55,5°

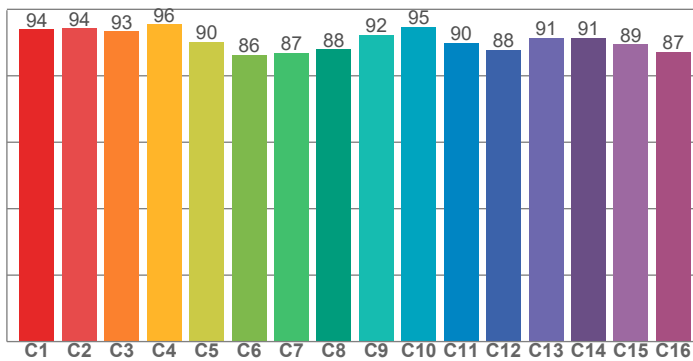
Spectra



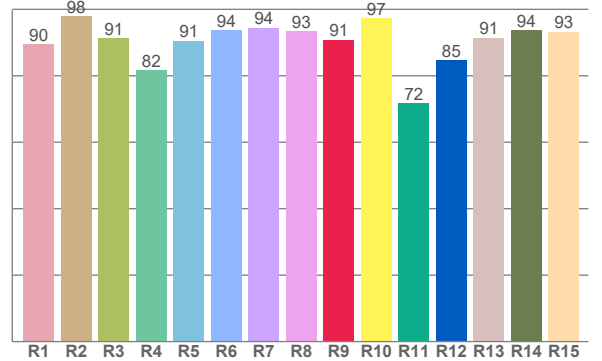
COLOR DETAILS



TM30: 91,2



CRI: 91,6 (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
89,5	97,9	91,4	81,6	90,6	93,7	94,5	93,4	90,8	97,4	71,7	84,7	91,5	93,6	93,2

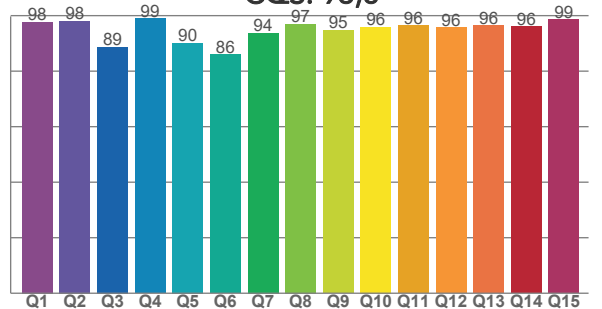
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,0	94,3	93,4	95,5	90,2	86,3	86,9	88,0	92,4	94,8	89,8	87,8	91,4	91,4	89,5	87,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,8	98,1	88,7	98,9	90,2	86,0	93,8	97,0	94,7	95,9	96,5	95,6	96,4	96,1	98,6

CQS: 93,8



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4056 K	91,6	90,8	91,2	107,8	93,8	80	0,375	0,363	-0,0048

TM30 DETAILS

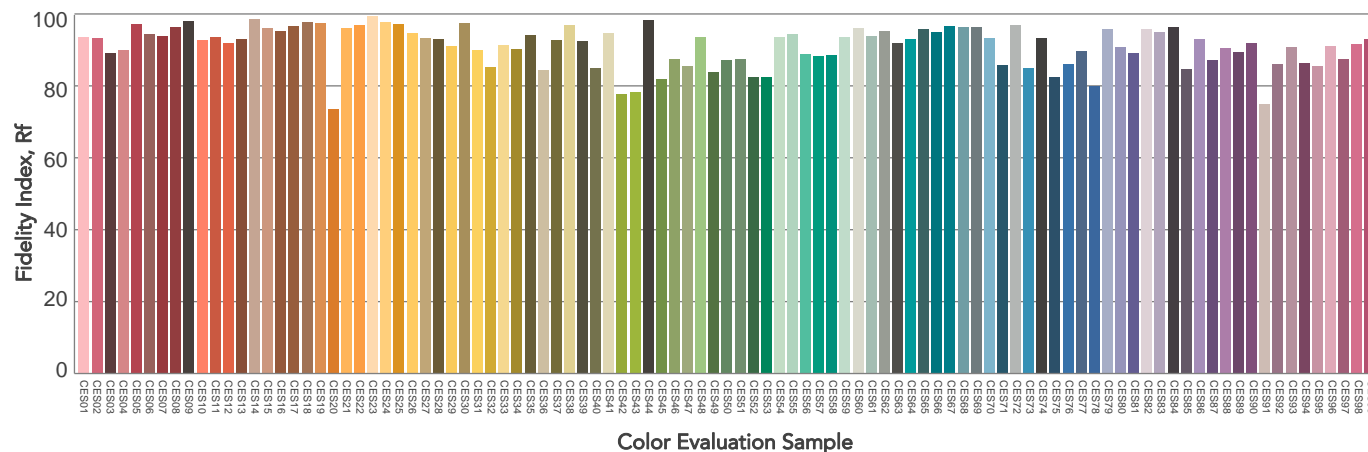
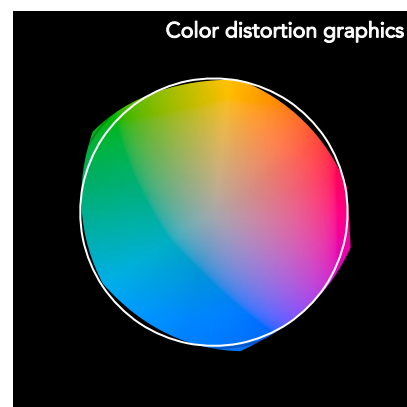
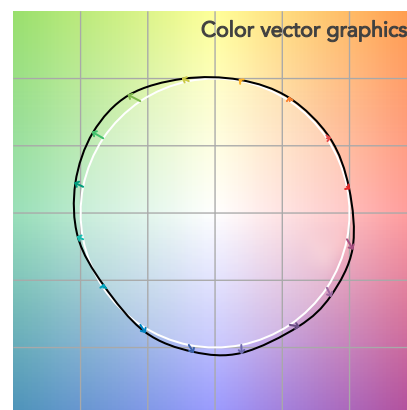
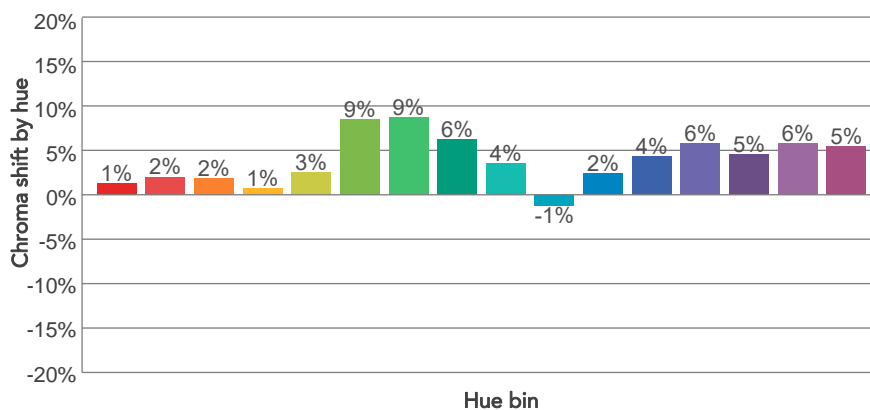
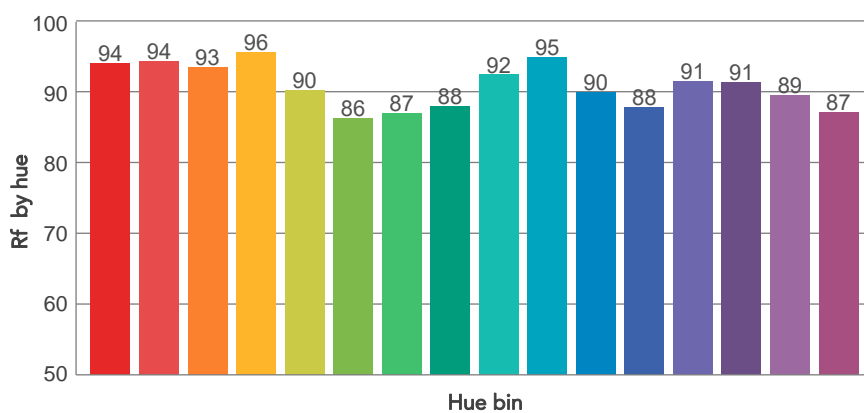
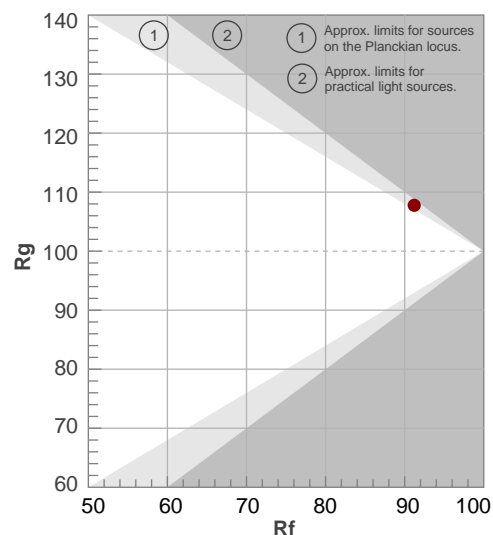
Rf 91,2

Fidelity index R_f

Rg 107,8

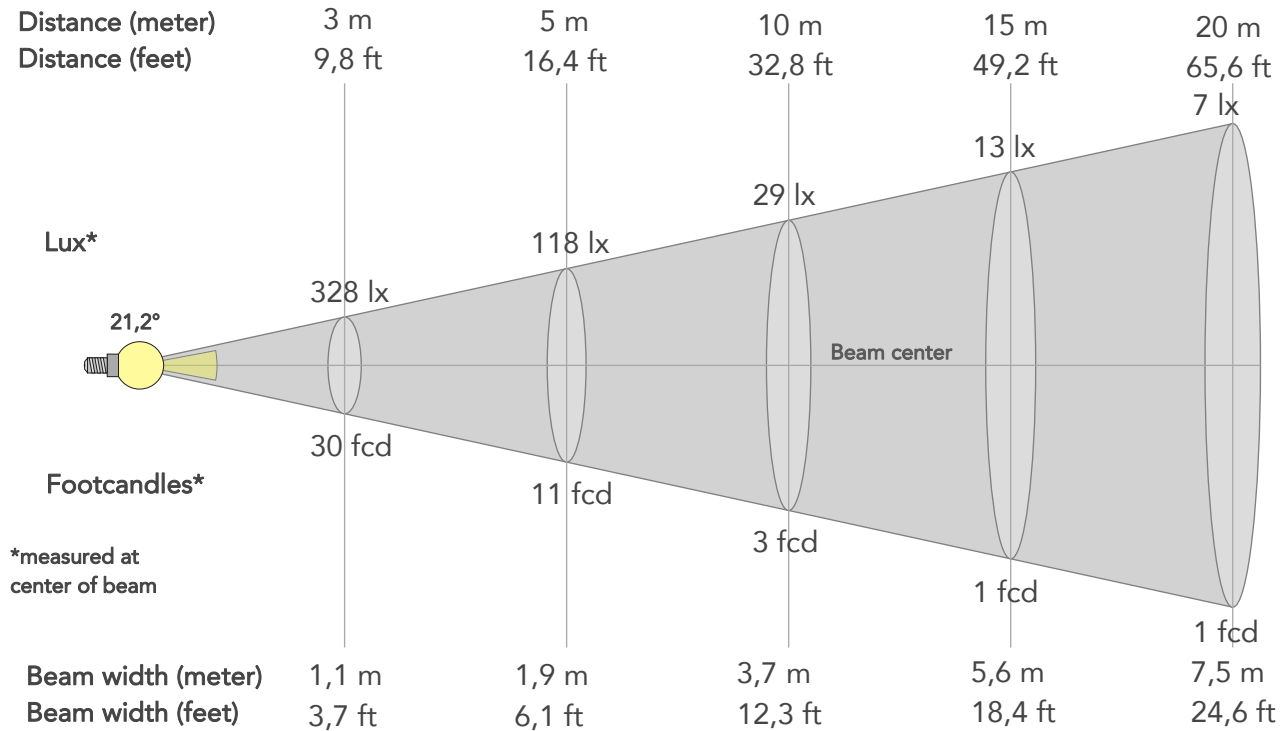
Gammut index

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	1%	-1%
2	94	2%	-1%
3	93	2%	2%
4	96	1%	1%
5	90	3%	4%
6	86	9%	5%
7	87	9%	1%
8	88	6%	-2%
9	92	4%	-2%
10	95	-1%	-2%
11	90	2%	6%
12	88	4%	4%
13	91	6%	-1%
14	91	5%	5%
15	89	6%	-3%
16	87	5%	-6%



BEAM DETAILS

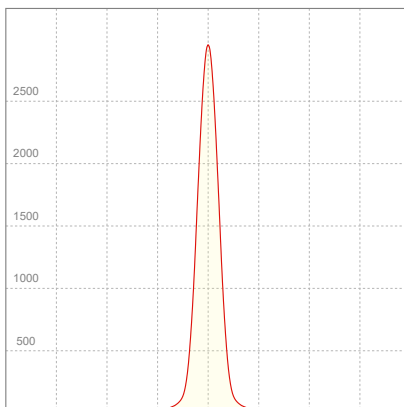
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,2°	37,7°	55,5°	97,9%	94,7%



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	2949lx	737lx	328lx	184lx	118lx	52lx	29lx	13lx	7lx	5lx	3lx	2lx	1lx
Footcand.	274fcd	68fcd	30fcd	17fcd	11fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,9m	2,8m	3,7m	5,6m	7,5m	9,4m	11,2m	15m	18,7m
Beam wid.	1,2ft	2,5ft	3,7ft	4,9ft	6,1ft	9,2ft	12,3ft	18,4ft	24,6ft	30,7ft	36,8ft	49,1ft	61,4ft

LINEAR DISTRIBUTION DIAGRAM

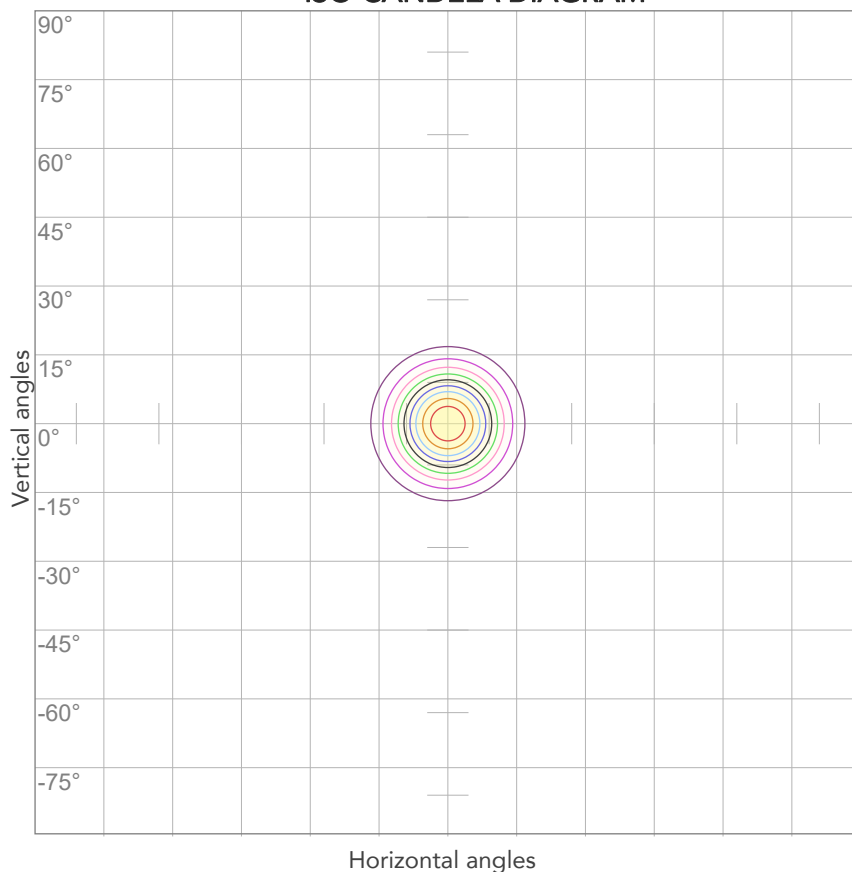


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,106A	12,0W	0,5	43lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



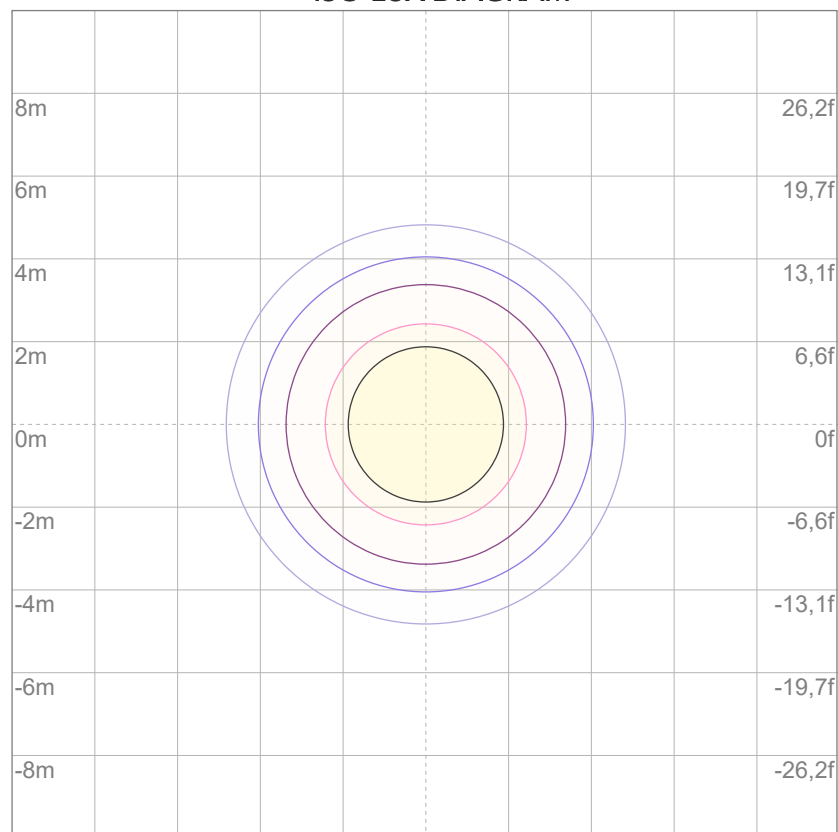
10%	295 cd
20%	590 cd
30%	885 cd
40%	1180 cd
50%	1474 cd
60%	1769 cd
70%	2064 cd
80%	2359 cd

Conditions:

Number of c-planes: 2

Candela at center: 2949 cd

ISO LUX DIAGRAM



3%	0,885 lx
5%	1,47 lx
10%	2,95 lx
30%	8,85 lx
50%	14,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 29,5 lx

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



Total lumen output:

568 lm

Peak candela output:

3164 cd

Light quality:

CRI: 89,5

Color temperature:

5623 K

PRODUCT NAME:

ARCSPOTXSFC

MEASURAMENT CONDITIONS:

Beam angle:

25°

Target:

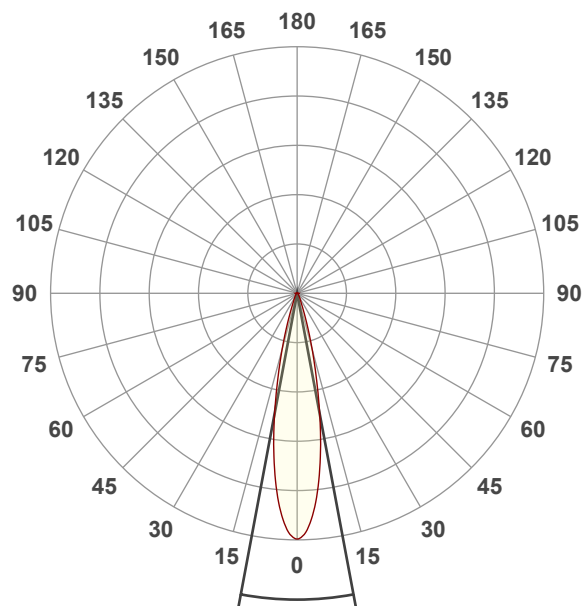
5600K

Operator:

Salvatore Giglio

Date and time:

23/05/2024 13:15:52

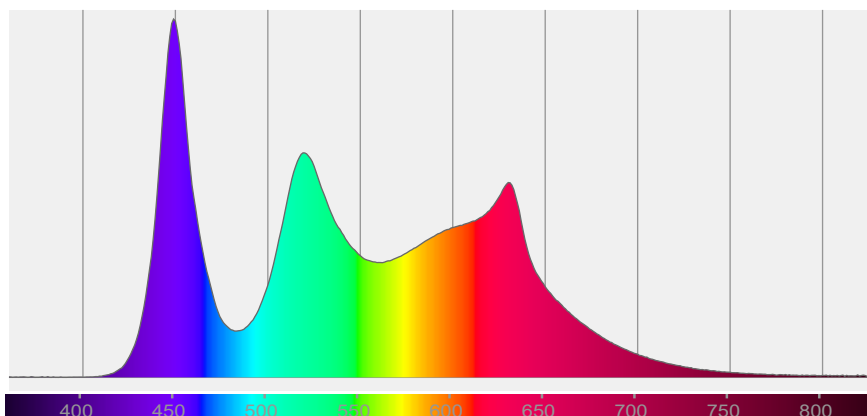


Beam angle 50%: 21,2°

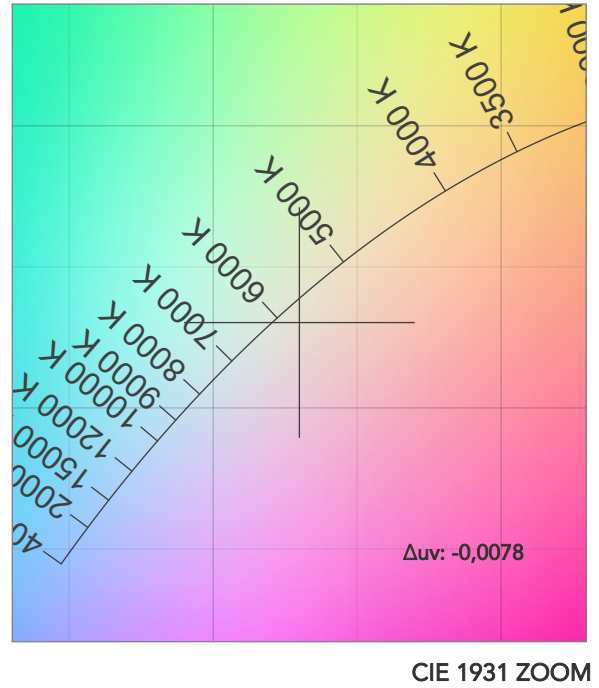
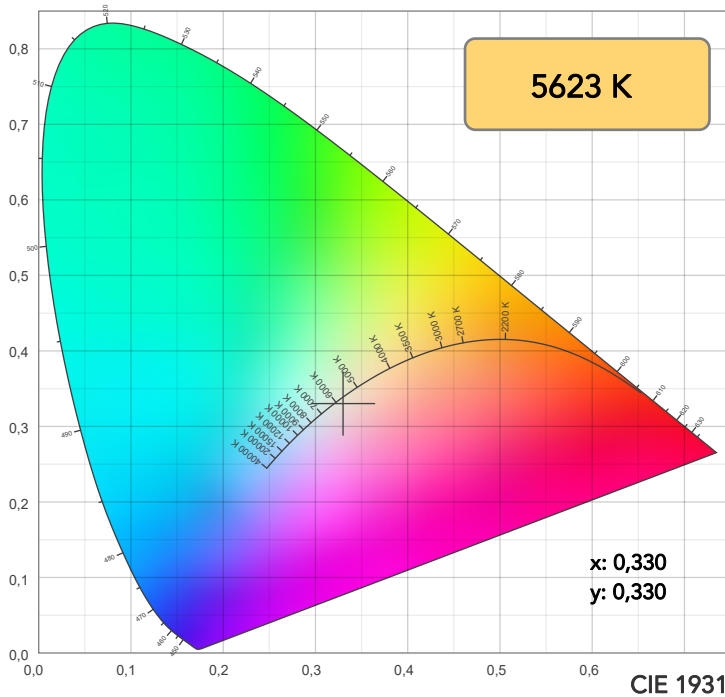
Field angle 10%: 37,8°

Cut off angle 2.5%: 55,5°

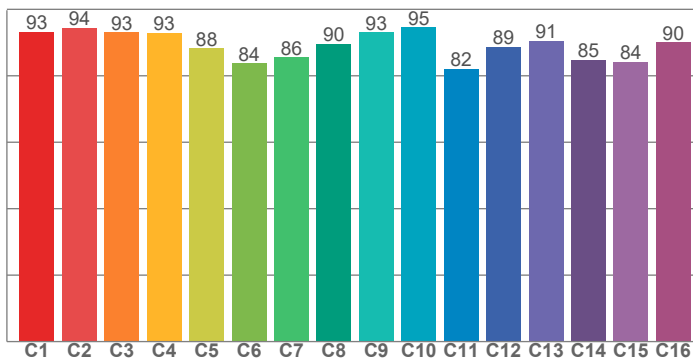
Spectra



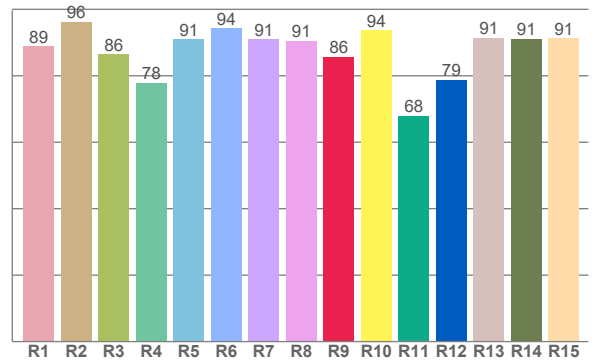
COLOR DETAILS



TM30: 89,3



CRI: 89,5 (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
88,9	96,2	86,4	77,9	91,0	94,3	91,1	90,5	85,7	93,6	68,0	78,8	91,5	91,1	91,3

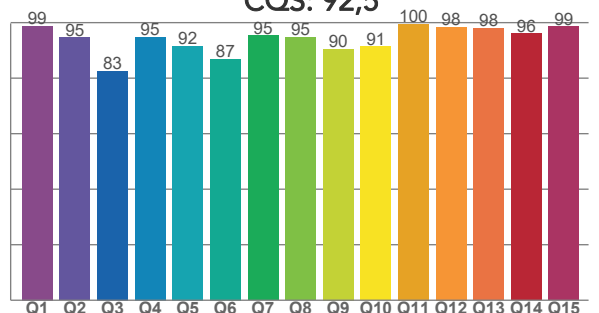
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,2	94,4	93,0	92,8	88,3	83,7	85,6	89,6	93,1	94,6	82,1	88,8	90,6	84,7	84,2	90,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,7	94,7	82,6	94,8	91,7	86,8	95,3	94,7	90,5	91,3	99,6	98,5	98,0	96,1	98,6

CQS: 92,5



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
5623 K	89,5	85,7	89,3	109,1	92,5	84	0,330	0,330	-0,0078

TM30 DETAILS

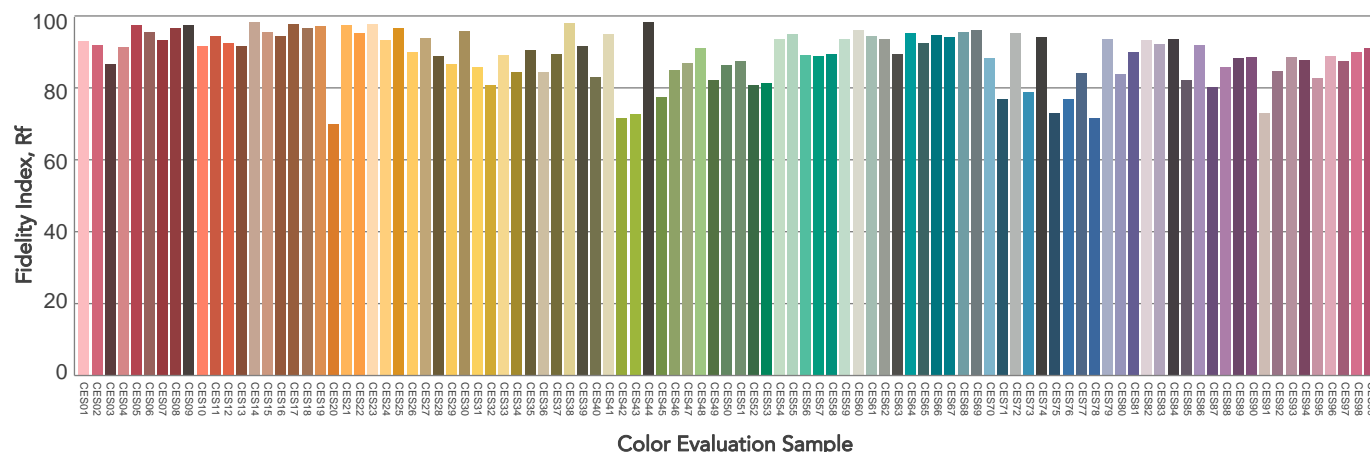
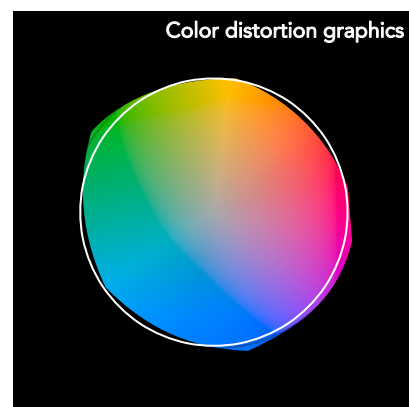
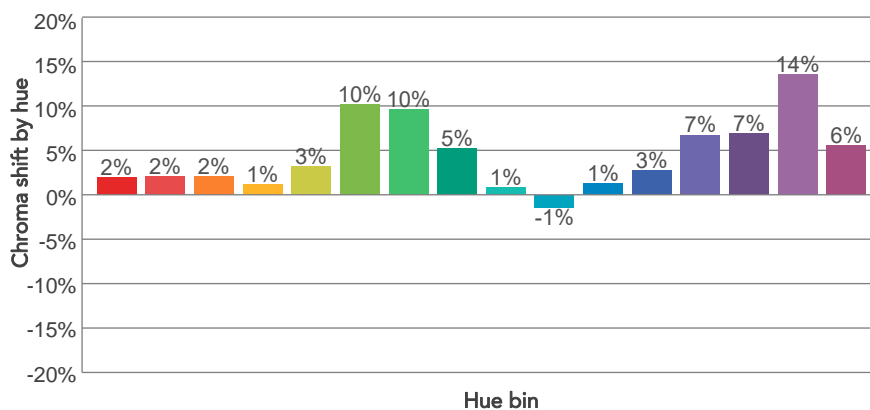
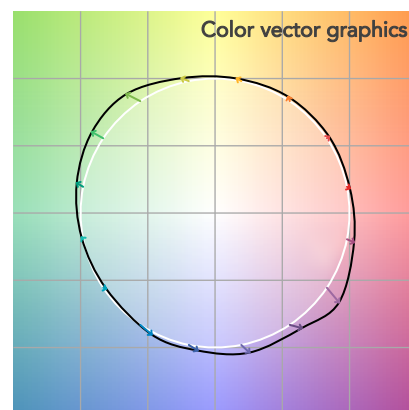
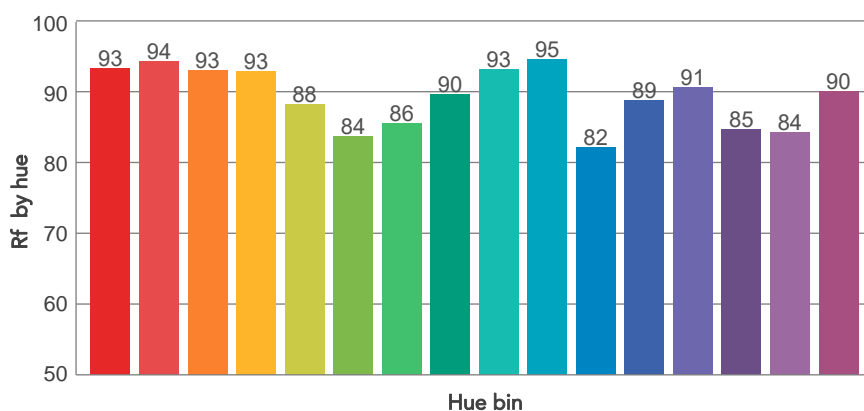
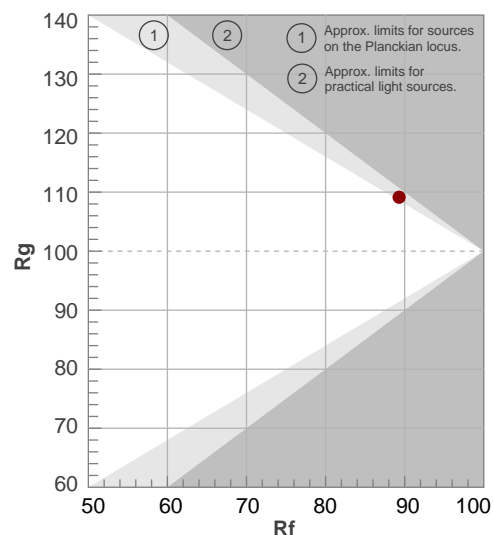
Rf 89,3

Fidelity index Rf

Rg 109,1

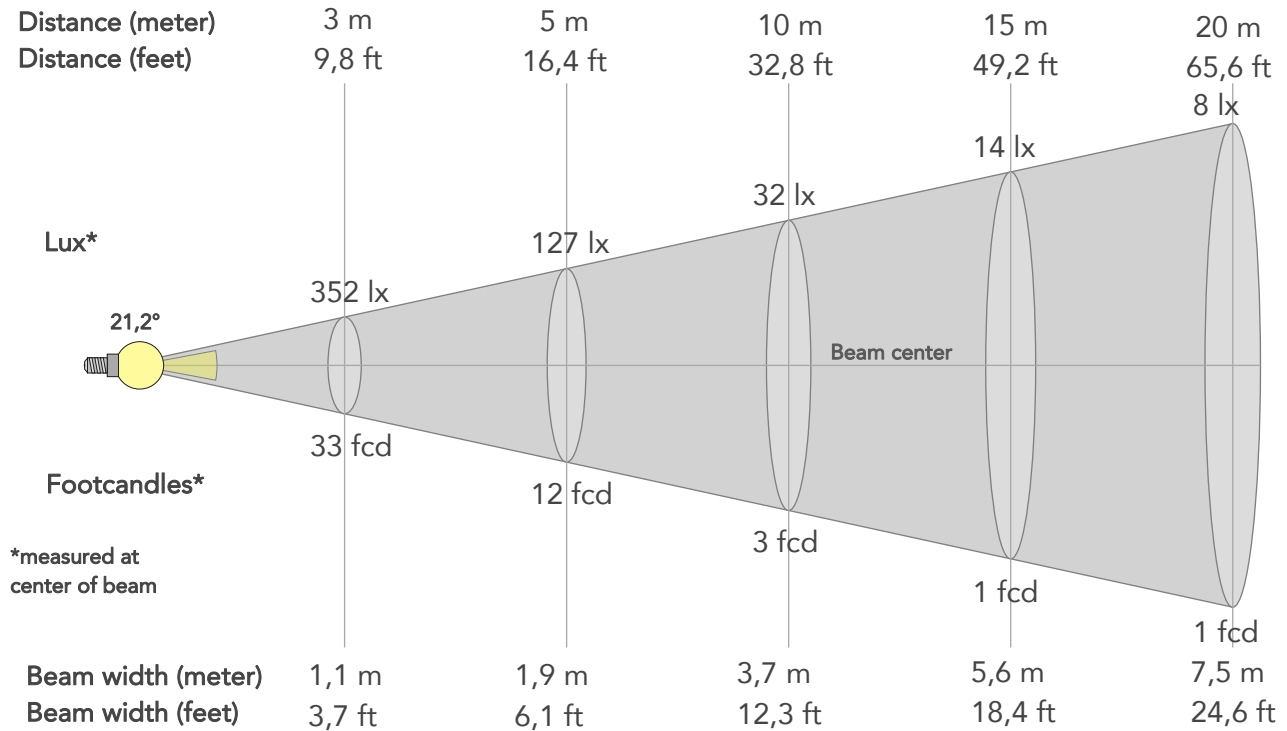
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	2%	-2%
2	94	2%	0%
3	93	2%	3%
4	93	1%	4%
5	88	3%	5%
6	84	10%	6%
7	86	10%	1%
8	90	5%	-2%
9	93	1%	-2%
10	95	-1%	2%
11	82	1%	11%
12	89	3%	7%
13	91	7%	5%
14	85	7%	6%
15	84	14%	-4%
16	90	6%	-1%



BEAM DETAILS

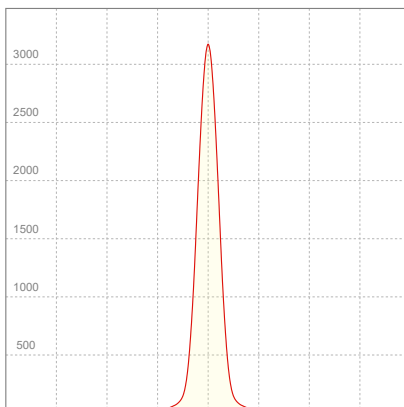
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,2°	37,8°	55,5°	96,8%	93,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3164lx	791lx	352lx	198lx	127lx	56lx	32lx	14lx	8lx	5lx	4lx	2lx	1lx
Footcand.	294fcd	73fcd	33fcd	18fcd	12fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,9m	2,8m	3,7m	5,6m	7,5m	9,4m	11,2m	15m	18,7m
Beam wid.	1,2ft	2,5ft	3,7ft	4,9ft	6,1ft	9,2ft	12,3ft	18,4ft	24,6ft	30,7ft	36,8ft	49,1ft	61,4ft

LINEAR DISTRIBUTION DIAGRAM

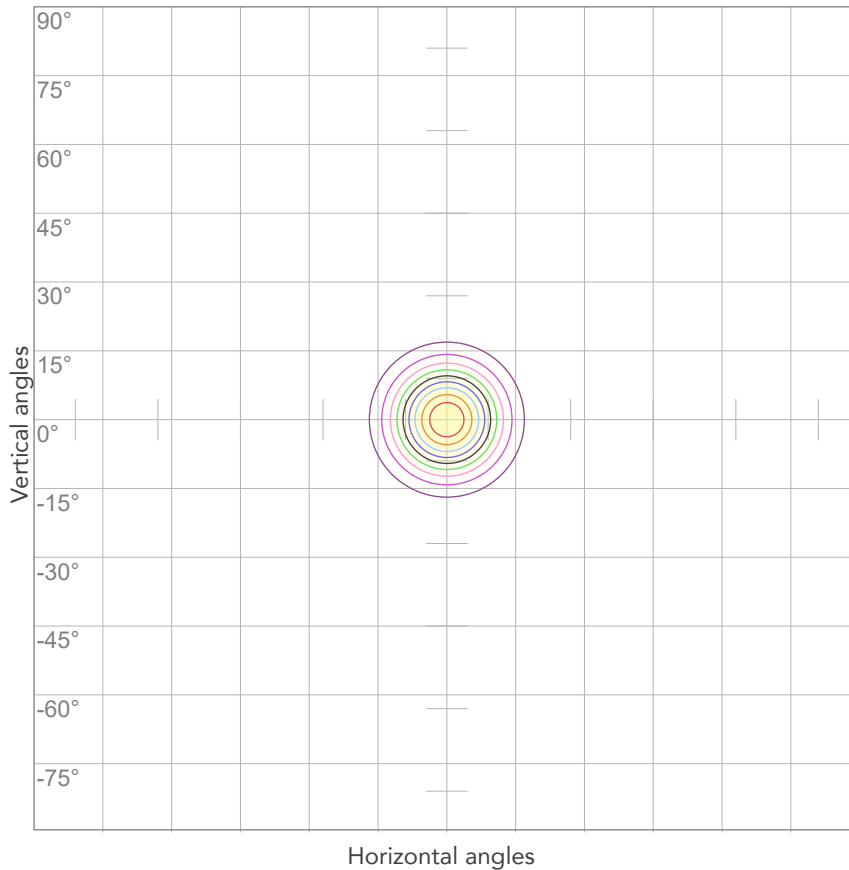


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
229V	0,108A	13,0W	0,53	44lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



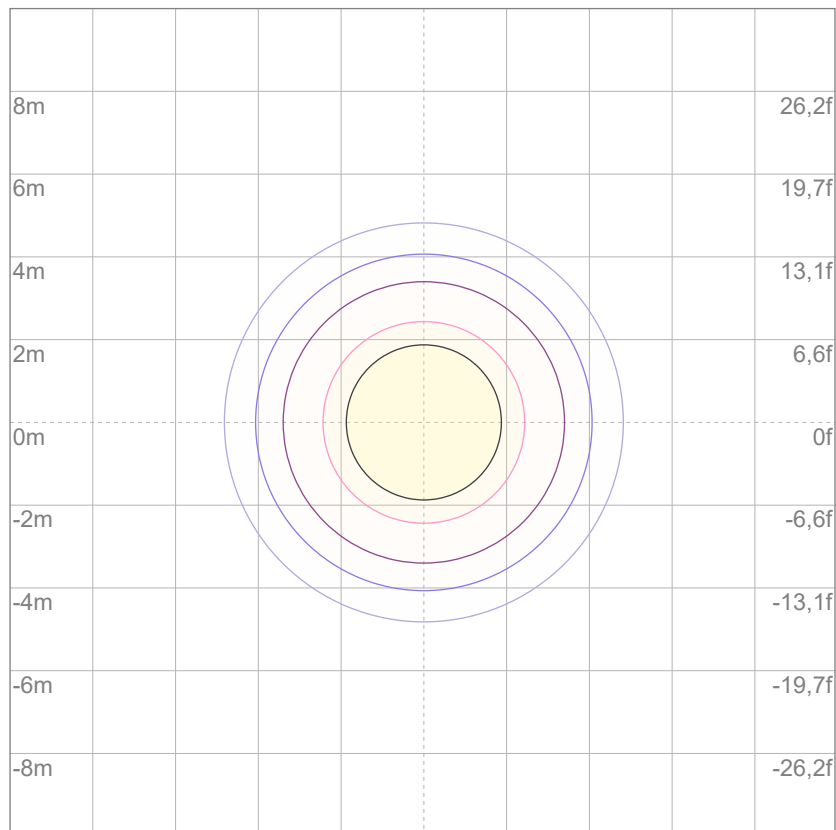
10%	316 cd
20%	633 cd
30%	949 cd
40%	1266 cd
50%	1582 cd
60%	1898 cd
70%	2215 cd
80%	2531 cd

Conditions:

Number of c-planes: 2

Candela at center: 3164 cd

ISO LUX DIAGRAM



3%	0,949 lx
5%	1,58 lx
10%	3,16 lx
30%	9,49 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:

558 lm

Peak candela output:

3153 cd

Light quality:

CRI: 89,9

Color temperature:

6005 K

PRODUCT NAME:

ARCSPOTXSFC

MEASURAMENT CONDITIONS:

Beam angle:

25°

Target:

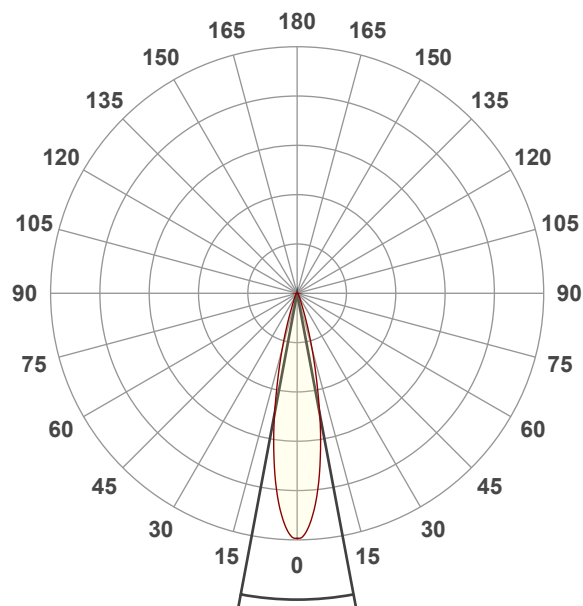
6000K

Operator:

Salvatore Giglio

Date and time:

23/05/2024 13:17:33

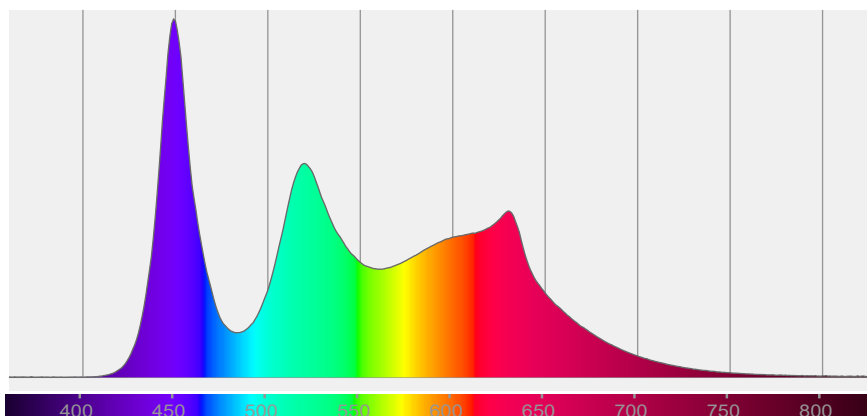


Beam angle 50%: 21,2°

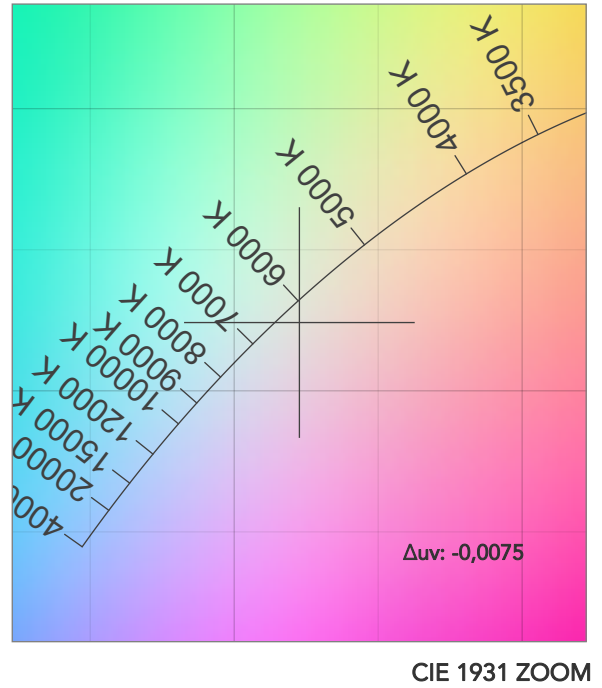
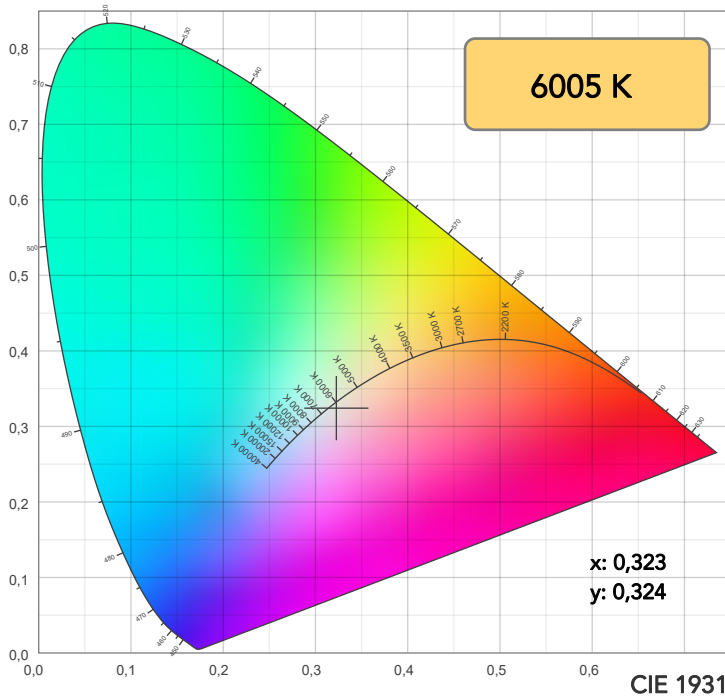
Field angle 10%: 37,7°

Cut off angle 2.5%: 55,5°

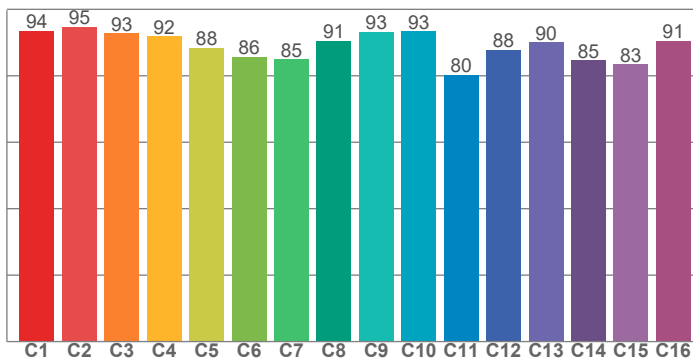
Spectra



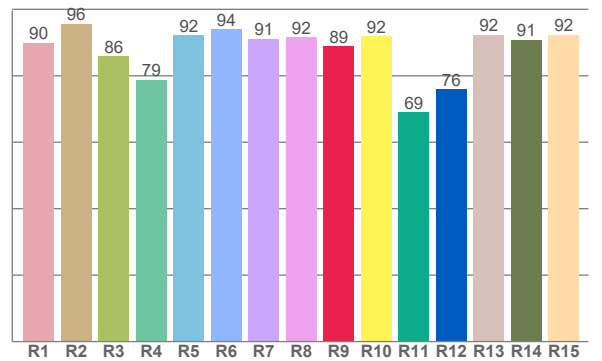
COLOR DETAILS



TM30: 89,1



CRI: 89,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
89,9	95,7	85,8	78,8	92,2	93,9	91,1	91,6	89,0	91,9	69,0	76,0	92,4	90,9	92,4

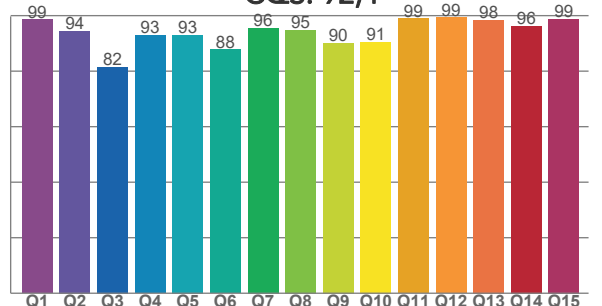
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,6	94,7	92,8	91,8	88,5	85,7	84,9	90,5	93,3	93,3	80,3	87,7	90,0	84,6	83,4	90,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,6	94,5	81,6	92,9	93,0	87,8	95,5	94,8	90,1	90,5	98,9	99,2	98,4	96,3	98,8

CQS: 92,4



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
6005 K	89,9	89,0	89,1	108,7	92,4	85	0,323	0,324	-0,0075

TM30 DETAILS

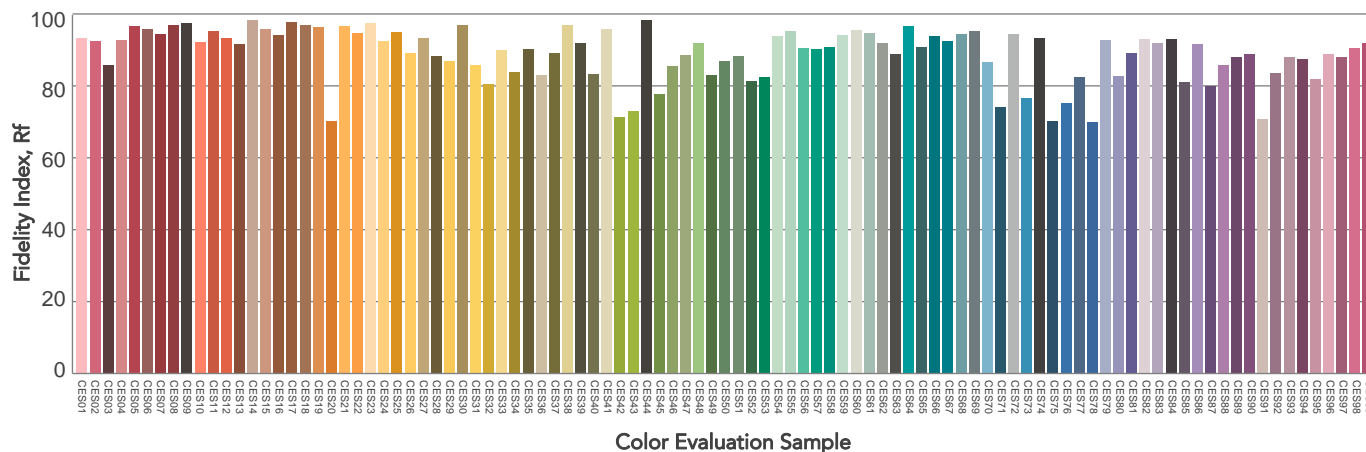
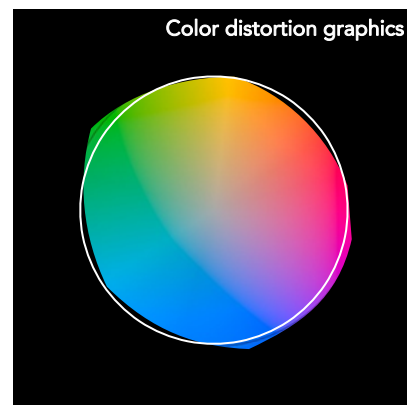
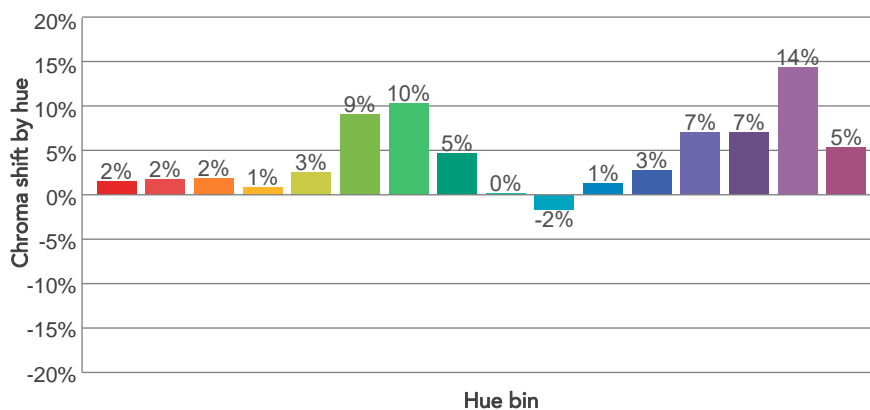
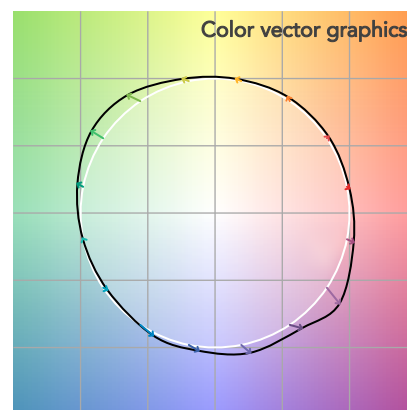
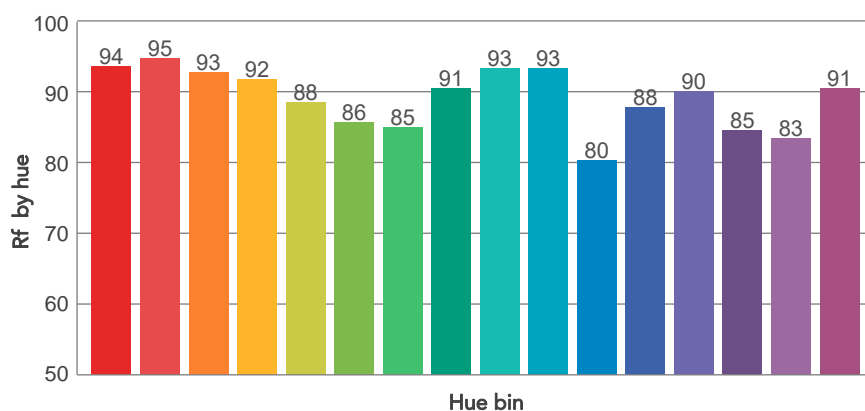
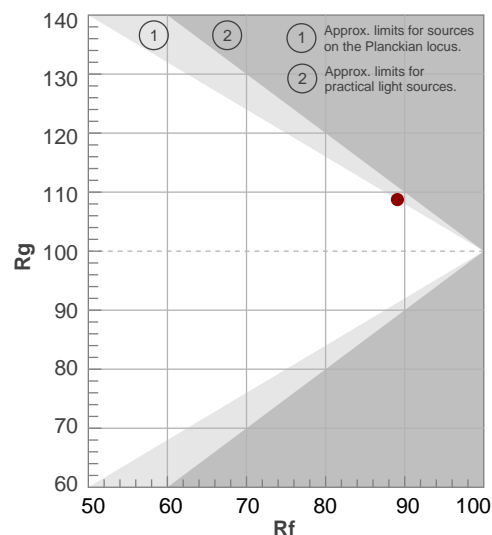
Rf 89,1

Fidelity index Rf

Rg 108,7

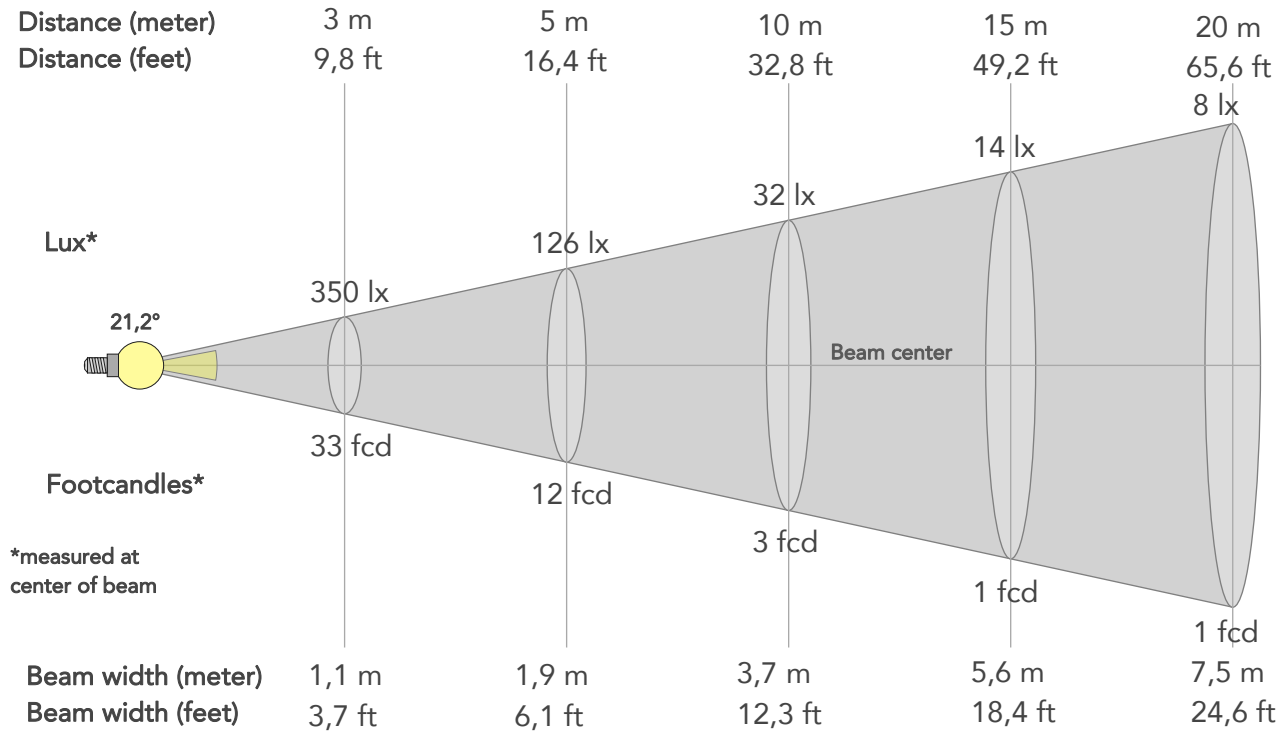
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	2%	-1%
2	95	2%	0%
3	93	2%	3%
4	92	1%	4%
5	88	3%	4%
6	86	9%	5%
7	85	10%	0%
8	91	5%	-1%
9	93	0%	-1%
10	93	-2%	3%
11	80	1%	12%
12	88	3%	8%
13	90	7%	5%
14	85	7%	6%
15	83	14%	-5%
16	91	5%	-1%



BEAM DETAILS

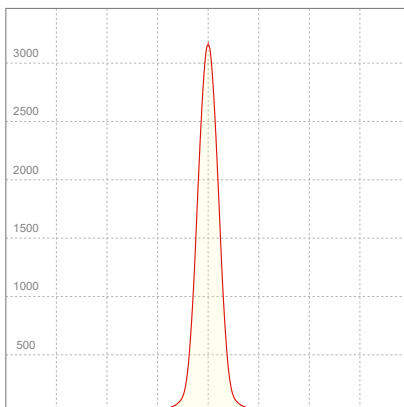
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,2°	37,7°	55,5°	97,6%	94,3%



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	3153lx	788lx	350lx	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.	0,4m	0,7m	1,1m	1,5m	1,9m	2,8m	3,7m	5,6m	7,5m	9,4m	11,2m	15m	18,7m
Beam wid.	1,2ft	2,5ft	3,7ft	4,9ft	6,1ft	9,2ft	12,3ft	18,4ft	24,6ft	30,7ft	36,9ft	49,2ft	61,4ft

LINEAR DISTRIBUTION DIAGRAM

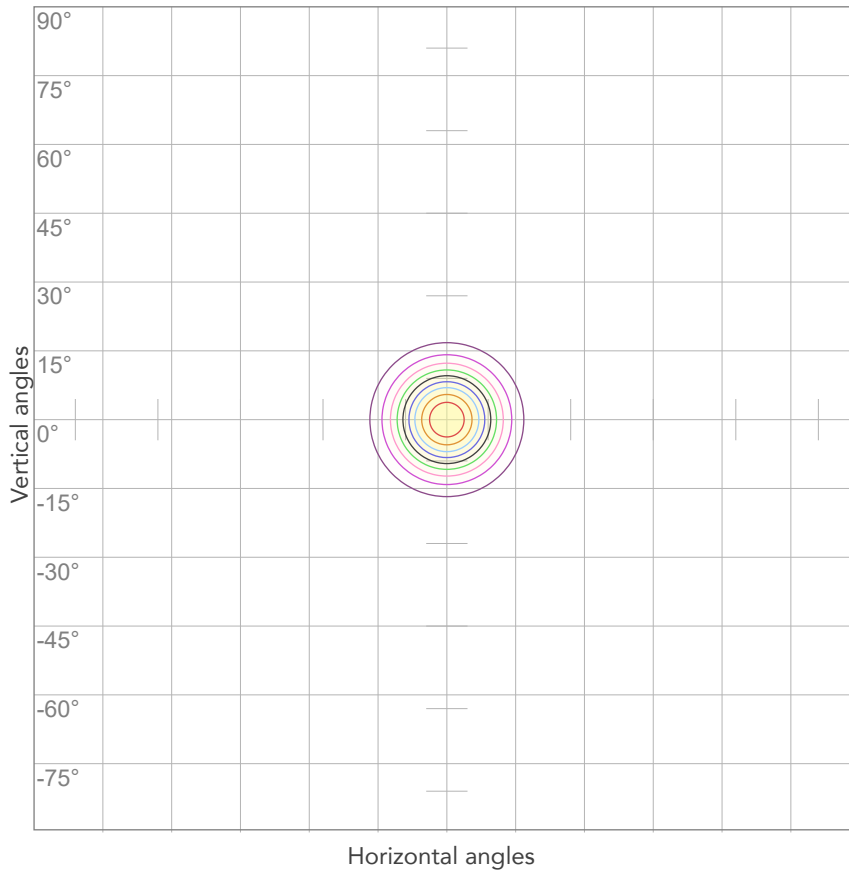


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
229V	0,108A	13,0W	0,53	43lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



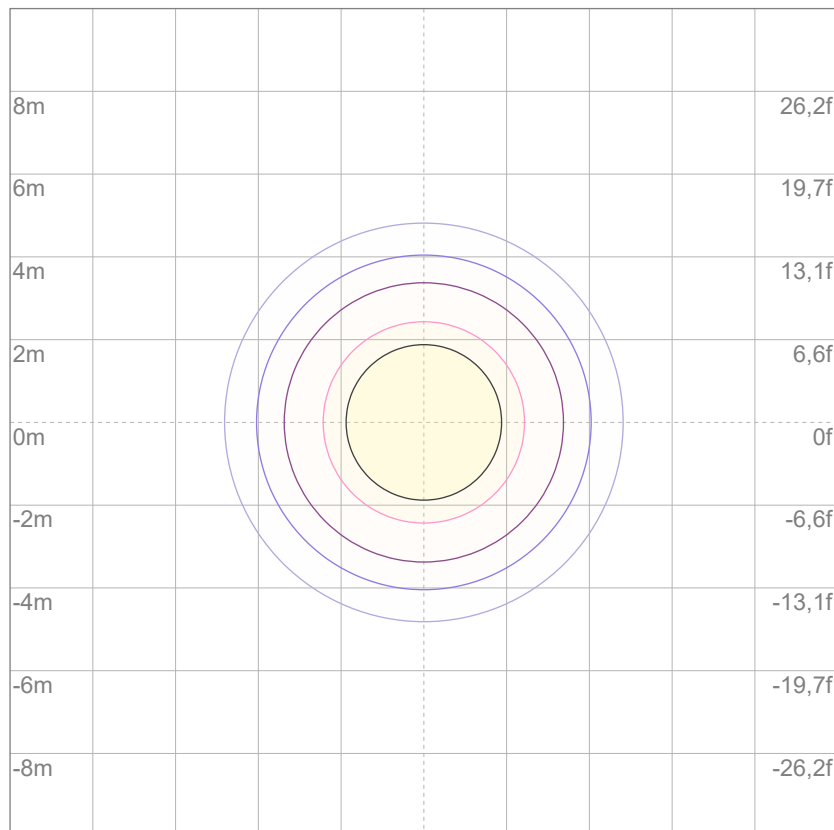
10%	315 cd
20%	631 cd
30%	946 cd
40%	1261 cd
50%	1577 cd
60%	1892 cd
70%	2207 cd
80%	2523 cd

Conditions:

Number of c-planes: 2

Candela at center: 3153 cd

ISO LUX DIAGRAM



3%	0,946 lx
5%	1,58 lx
10%	3,15 lx
30%	9,46 lx
50%	15,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 31,5 lx

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



Total lumen output:

557 lm

Peak candela output:

3137 cd

Light quality:

CRI: 89,9

Color temperature:

6544 K

PRODUCT NAME:

ARCSPOTXSFC

MEASURAMENT CONDITIONS:

Beam angle:

25°

Target:

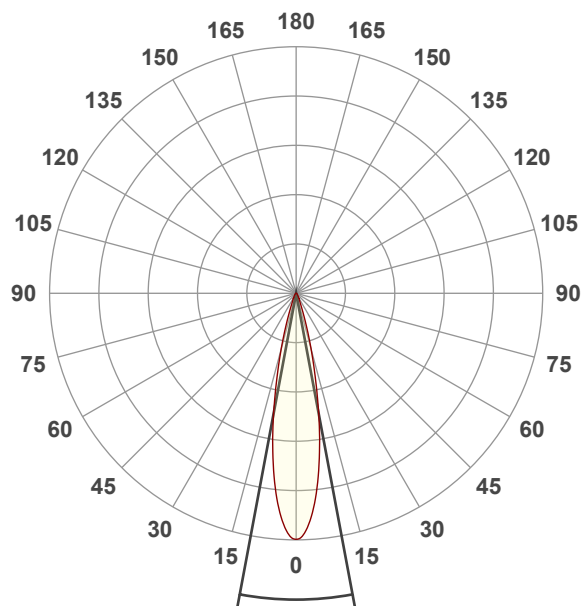
6500K

Operator:

Salvatore Giglio

Date and time:

23/05/2024 13:22:47

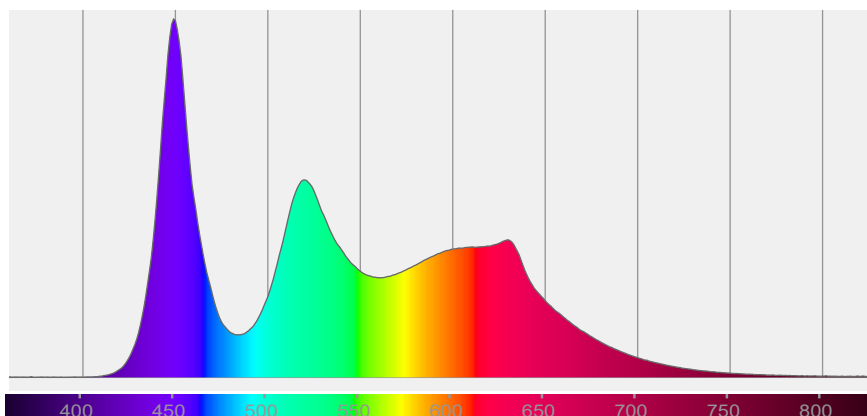


Beam angle 50%: 21,2°

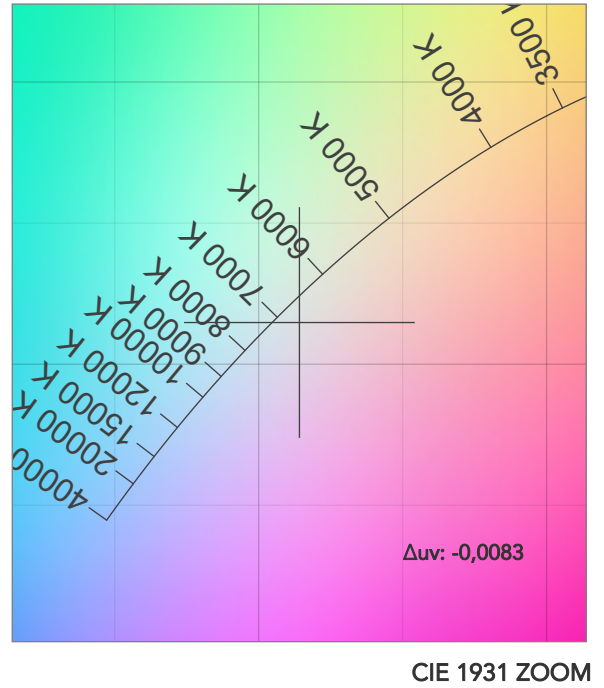
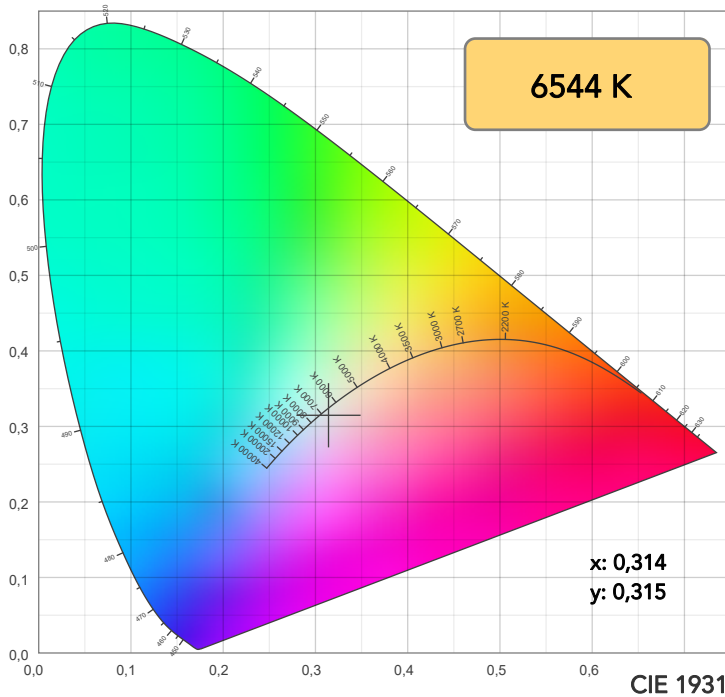
Field angle 10%: 37,7°

Cut off angle 2.5%: 55,3°

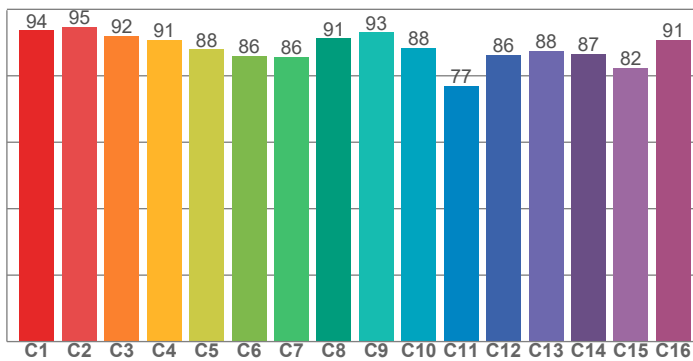
Spectra



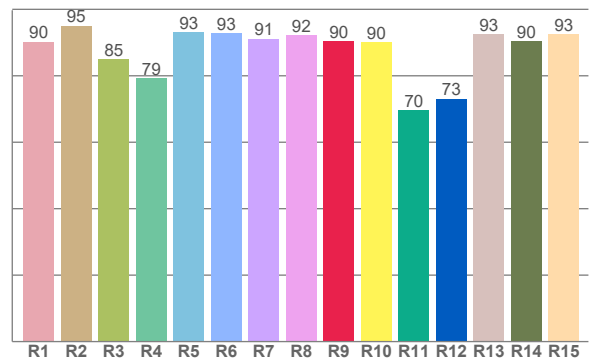
COLOR DETAILS



TM30: 88,5



CRI: 89,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
90,2	95,0	84,9	79,4	93,1	92,8	91,1	92,2	90,4	90,2	69,7	73,1	92,6	90,5	92,6

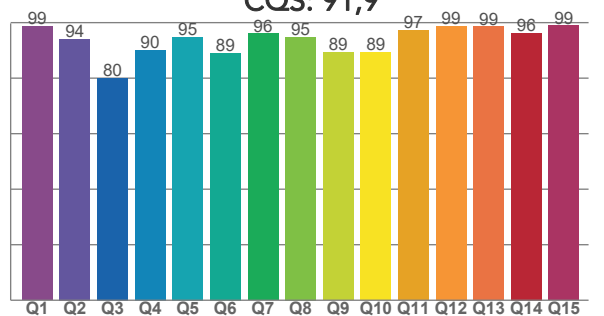
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,7	94,7	92,0	90,8	87,9	86,1	85,7	91,2	93,1	88,5	77,0	86,2	87,5	86,6	82,4	90,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,7	94,1	80,1	90,2	94,9	89,0	96,0	94,8	89,3	89,3	97,2	98,7	98,6	96,3	98,9

CQS: 91,9



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
6544 K	89,9	90,4	88,5	107,9	91,9	86	0,314	0,315	-0,0083

TM30 DETAILS

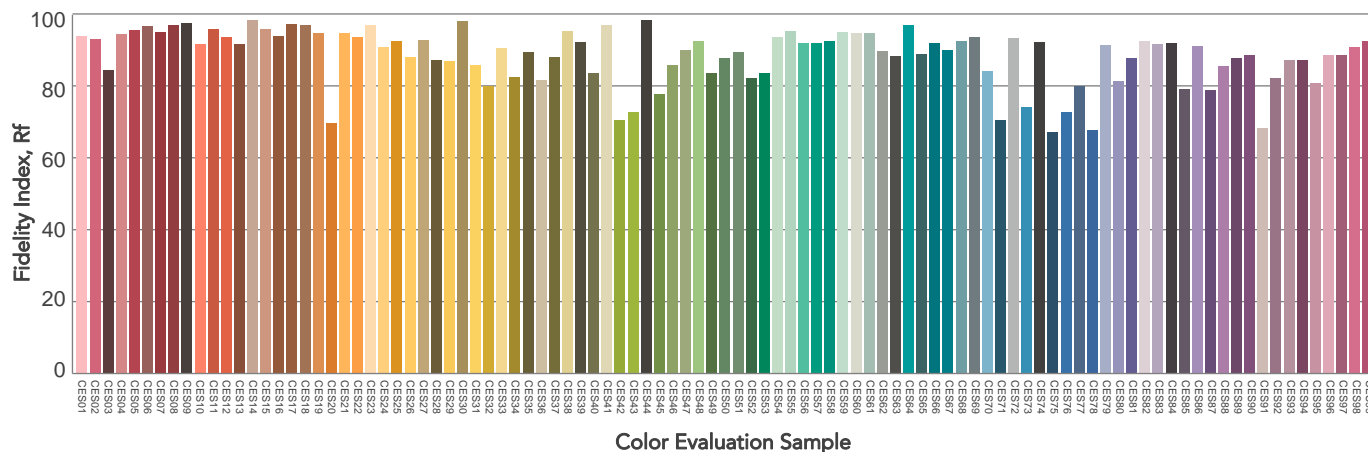
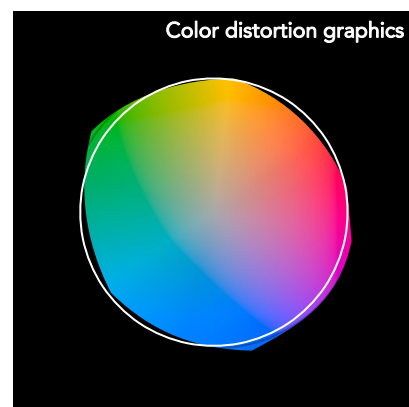
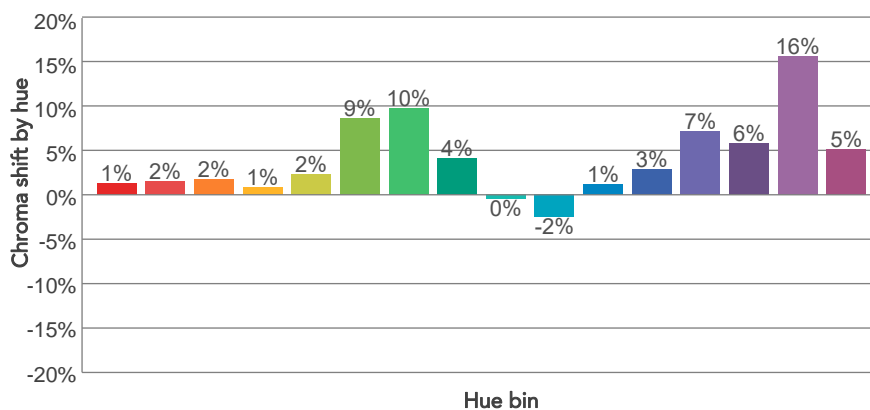
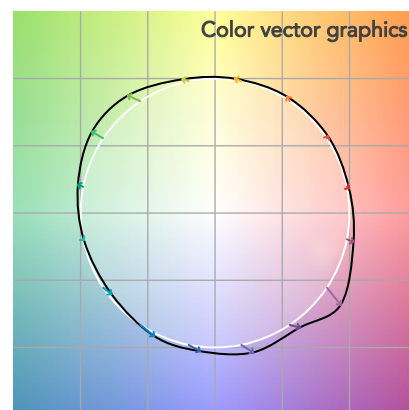
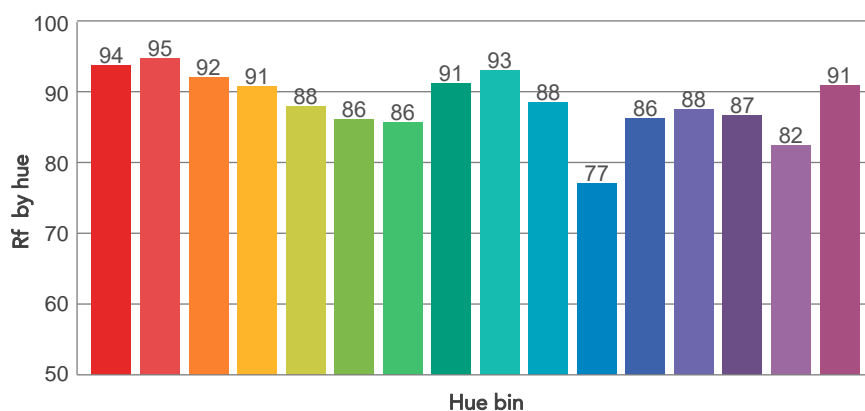
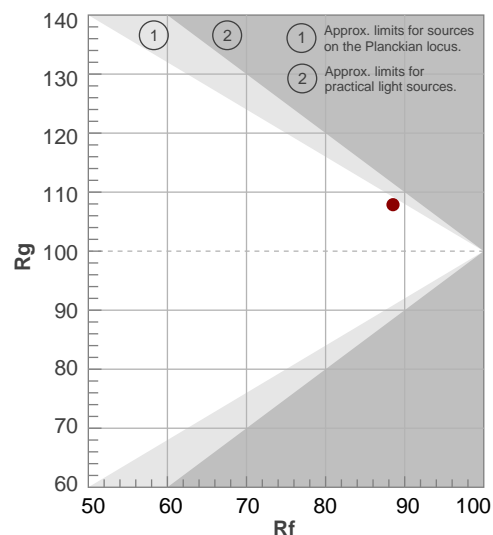
Rf 88,5

Fidelity index Rf

Rg 107,9

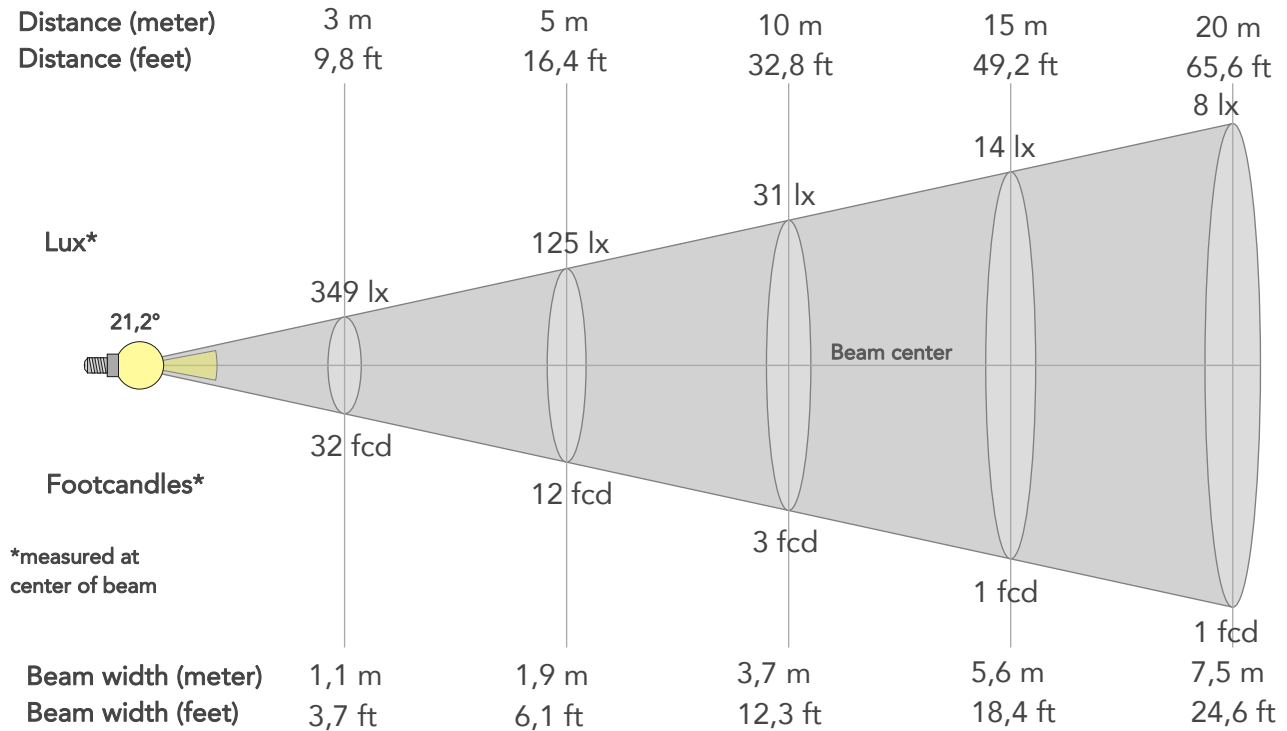
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	1%	-1%
2	95	2%	1%
3	92	2%	4%
4	91	1%	5%
5	88	2%	4%
6	86	9%	5%
7	86	10%	1%
8	91	4%	-1%
9	93	0%	1%
10	88	-2%	7%
11	77	1%	13%
12	86	3%	9%
13	88	7%	8%
14	87	6%	5%
15	82	16%	-5%
16	91	5%	-1%



BEAM DETAILS

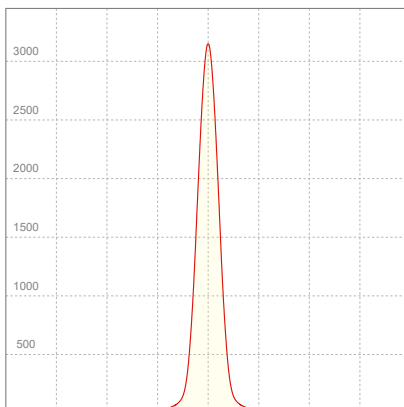
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,2°	37,7°	55,3°	97,5%	94,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3137lx	784lx	349lx	196lx	125lx	56lx	31lx	14lx	8lx	5lx	3lx	2lx	1lx
Footcand.	291fcd	73fcd	32fcd	18fcd	12fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,9m	2,8m	3,7m	5,6m	7,5m	9,4m	11,2m	15m	18,7m
Beam wid.	1,2ft	2,5ft	3,7ft	4,9ft	6,1ft	9,2ft	12,3ft	18,4ft	24,6ft	30,7ft	36,9ft	49,2ft	61,4ft

LINEAR DISTRIBUTION DIAGRAM

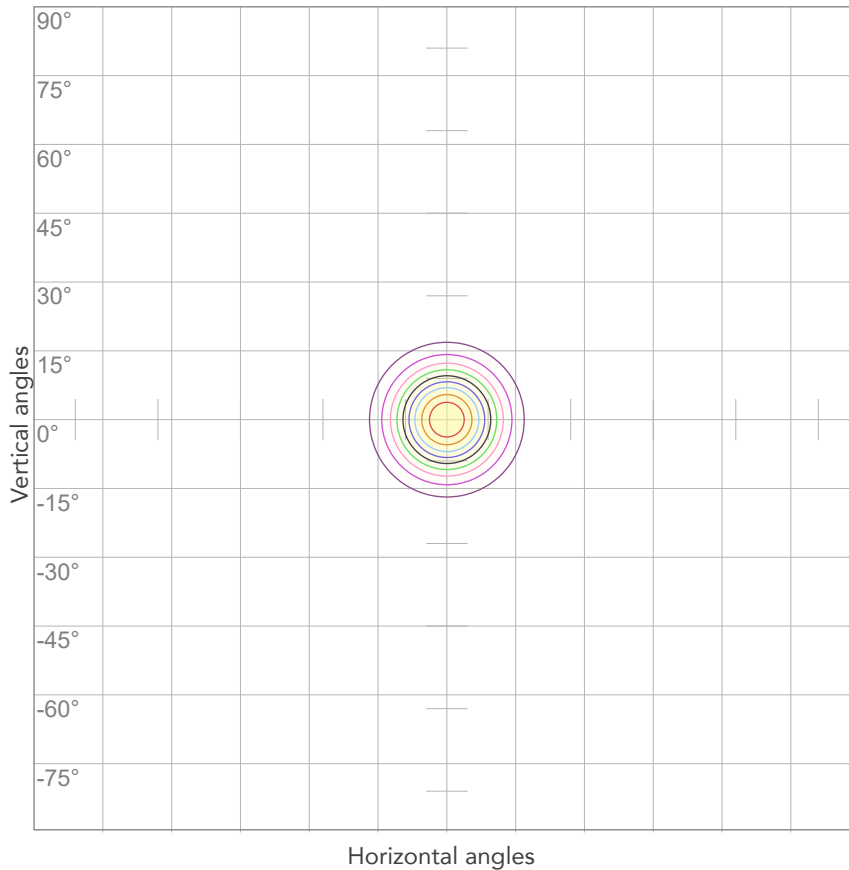


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,107A	13,0W	0,53	43lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



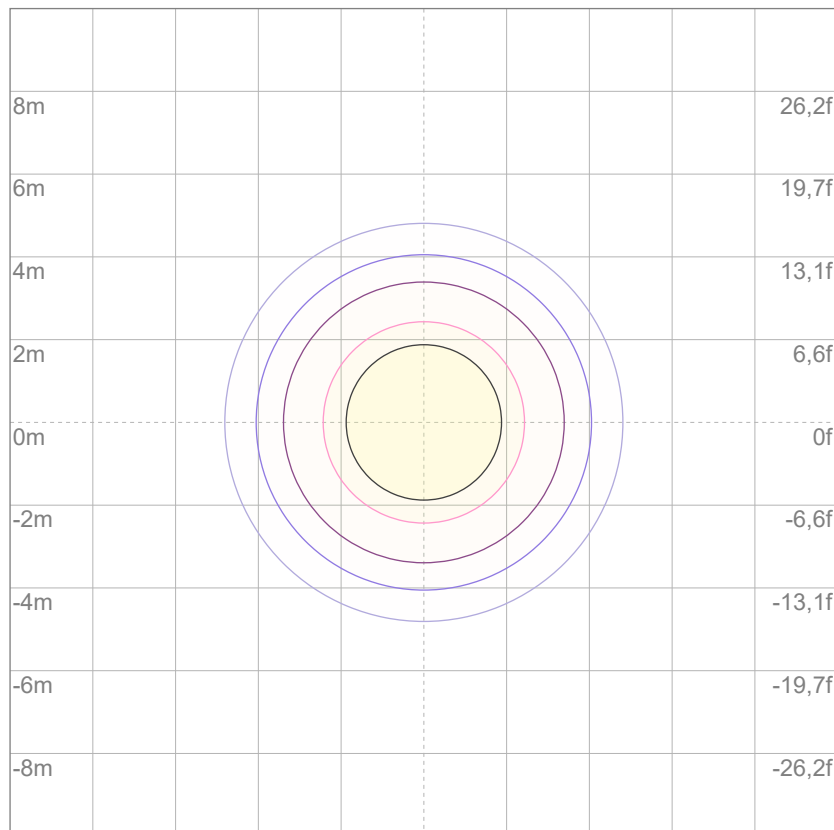
10%	314 cd
20%	627 cd
30%	941 cd
40%	1255 cd
50%	1569 cd
60%	1882 cd
70%	2196 cd
80%	2510 cd

Conditions:

Number of c-planes: 2

Candela at center: 3137 cd

ISO LUX DIAGRAM



3%	0,941 lx
5%	1,57 lx
10%	3,14 lx
30%	9,41 lx
50%	15,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 31,4 lx

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