

Photometric Test Report



SunRise 4FLXFC

IP65 modular LED blinder with 4x300W
RGBWW+Amber LED sources

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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:

59378 lm

Peak candela output:

61722 cd

Light quality:

CRI: 72,9

Color temperature:

5009 K

PRODUCT NAME:

SUNRISE4FLXFC

MEASURAMENT CONDITIONS:

Beam angle:

Original Optic

Target:

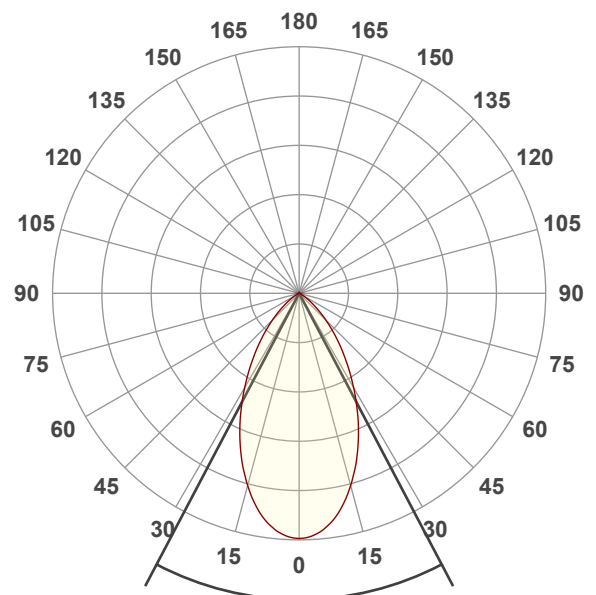
Full

Operator:

Giuseppe della Peruta

Date and time:

30/06/2025 15:12:46

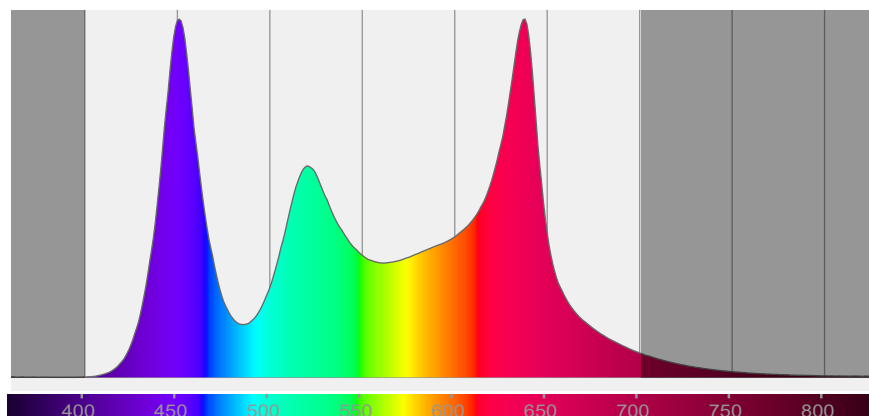


Beam angle 50%: 55,5°

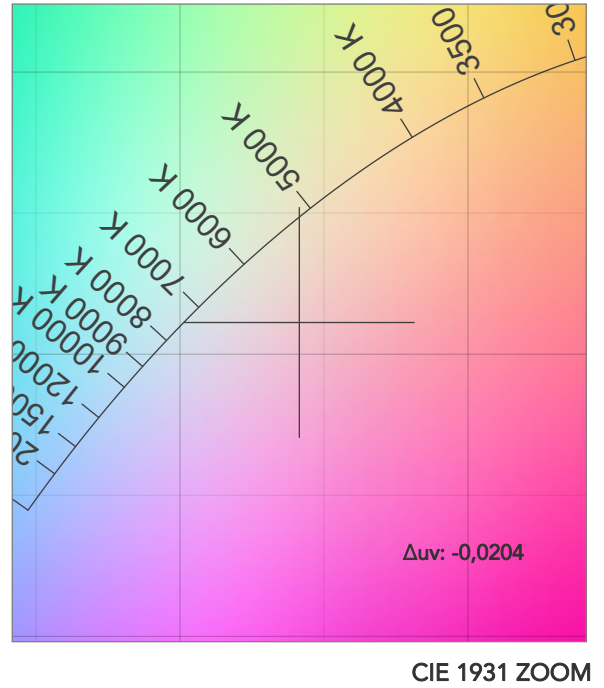
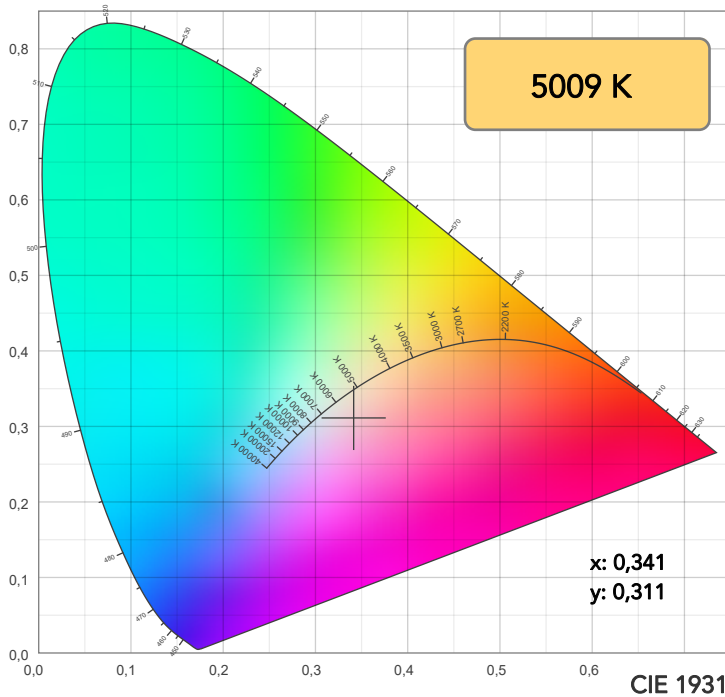
Field angle 10%: 98,1°

Cut off angle 2.5%: 117,8°

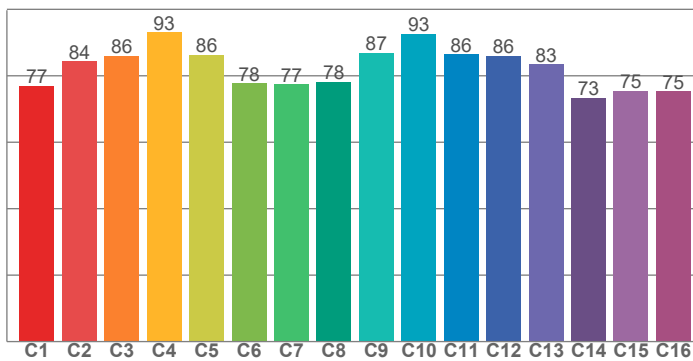
Spectra



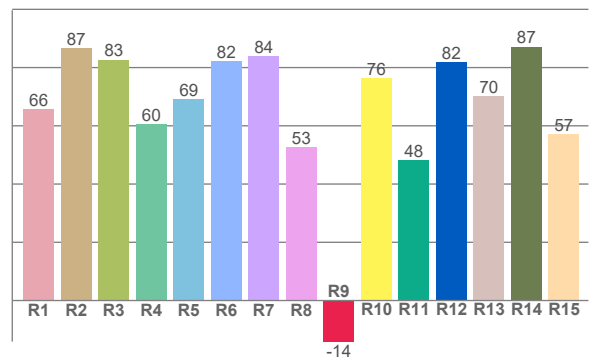
COLOR DETAILS



TM30: 83,4



CRI: 72,9 (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
65,7	86,7	82,8	60,5	69,1	82,2	83,8	52,6	-14,1	76,4	48,1	82,0	70,1	87,2	57,2

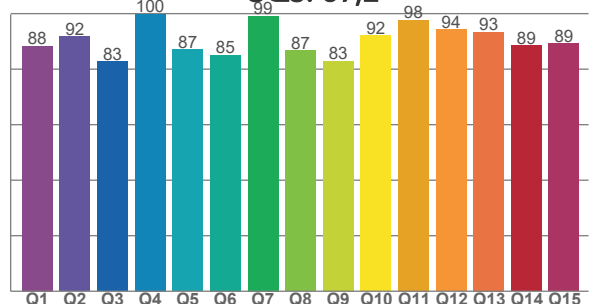
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
76,9	84,4	86,0	93,0	86,3	77,8	77,5	78,2	86,9	92,7	86,4	86,1	83,4	73,3	75,5	75,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88,3	91,8	82,7	99,9	87,1	85,1	99,1	86,8	83,0	92,0	97,6	94,3	93,4	88,6	89,3

CQS: 89,2



COLOR PARAMETERS

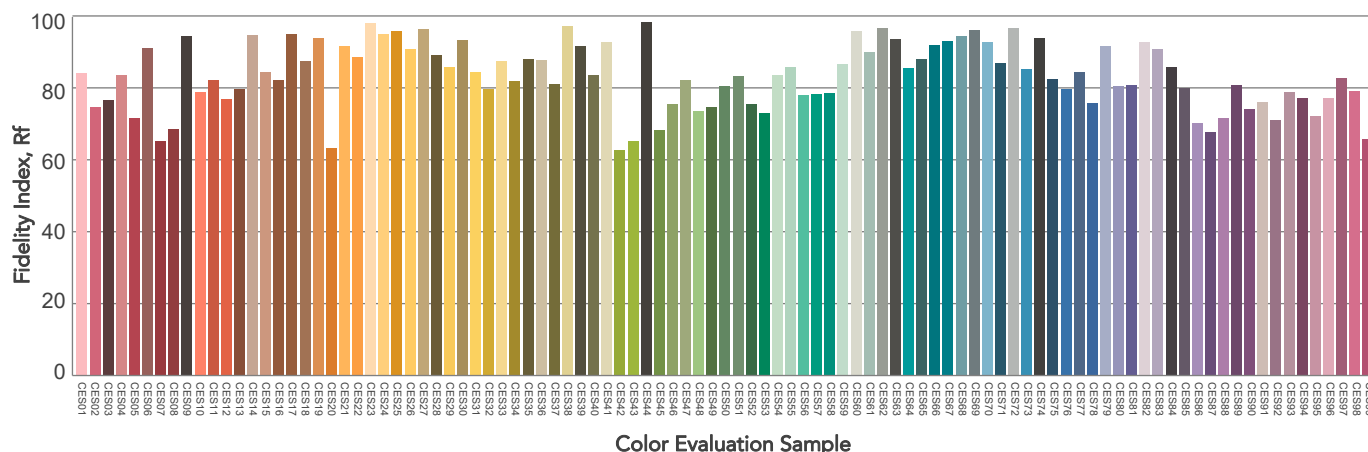
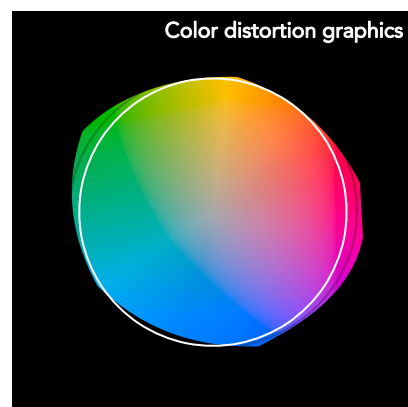
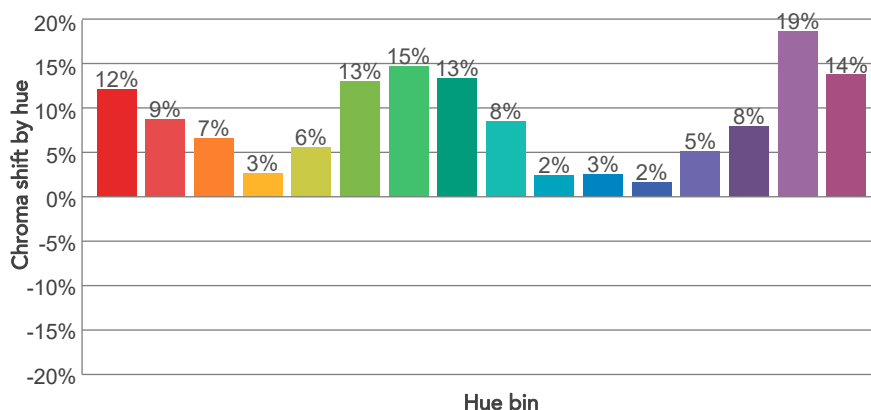
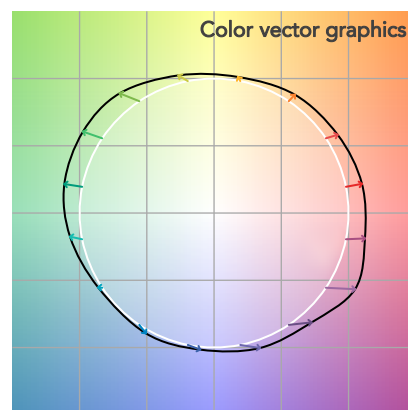
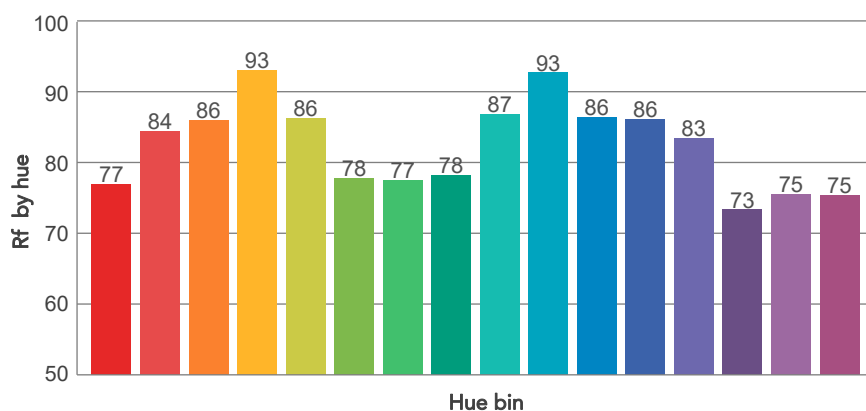
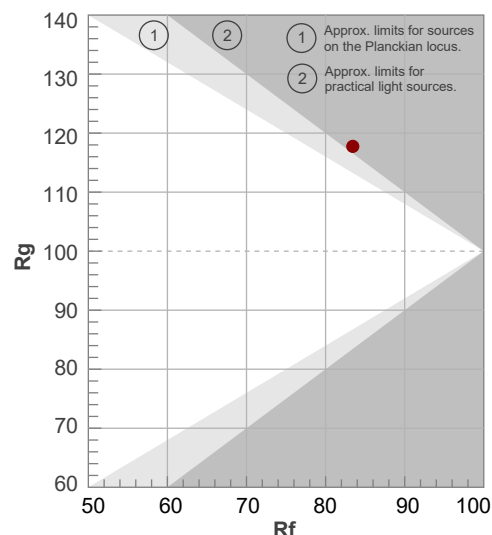
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5009 K	72,9	-14,1	83,4	117,8	89,2	78	0,341	0,311	-0,0204

TM30 DETAILS

Rf 83,4
Fidelity index Rf

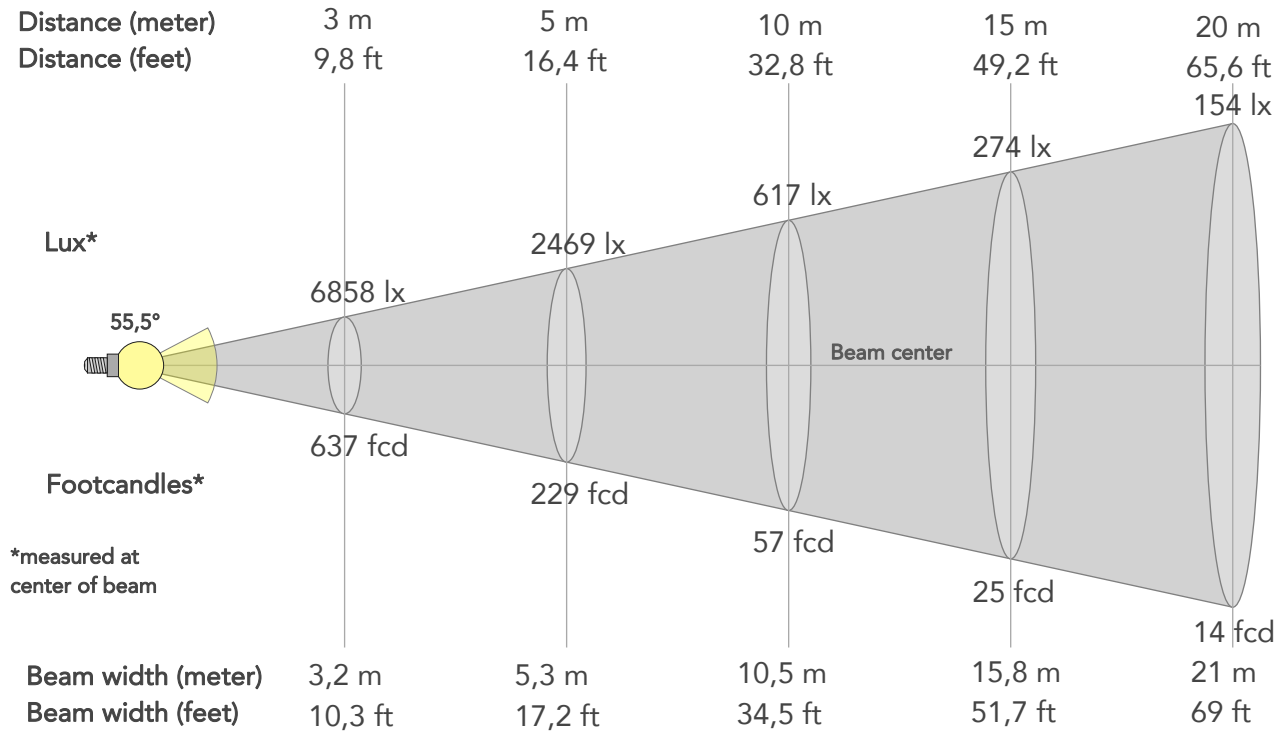
Rg 117,8
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	77	12%	0%
2	84	9%	-3%
3	86	7%	-1%
4	93	3%	2%
5	86	6%	6%
6	78	13%	9%
7	77	15%	4%
8	78	13%	1%
9	87	8%	-4%
10	93	2%	-2%
11	86	3%	8%
12	86	2%	10%
13	83	5%	14%
14	73	8%	15%
15	75	19%	11%
16	75	14%	3%



BEAM DETAILS

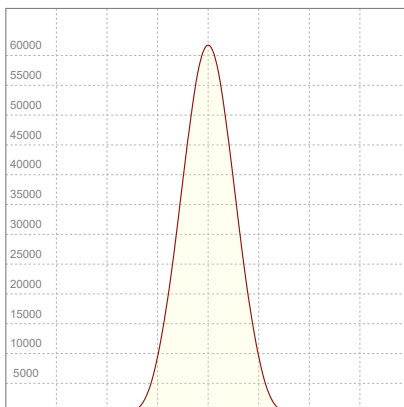
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
55,5°	98,1°	117,8°	98,5%	88,9%



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	61722lx	15431lx	6858lx	3858lx	2469lx	1097lx	617lx	274lx	154lx	99lx	69lx	39lx	25lx
Footcand.	5734fcd	1434fcd	637fcd	358fcd	229fcd	102fcd	57fcd	25fcd	14fcd	9fcd	6fcd	4fcd	2fcd
Beam wid.	1,1m	2,1m	3,2m	4,2m	5,3m	7,9m	10,5m	15,8m	21m	26,3m	31,5m	42,1m	52,6m
Beam wid.	3,5ft	6,9ft	10,3ft	13,8ft	17,2ft	25,9ft	34,5ft	51,7ft	69ft	86,2ft	103,5ft	138ft	172,5ft

LINEAR DISTRIBUTION DIAGRAM

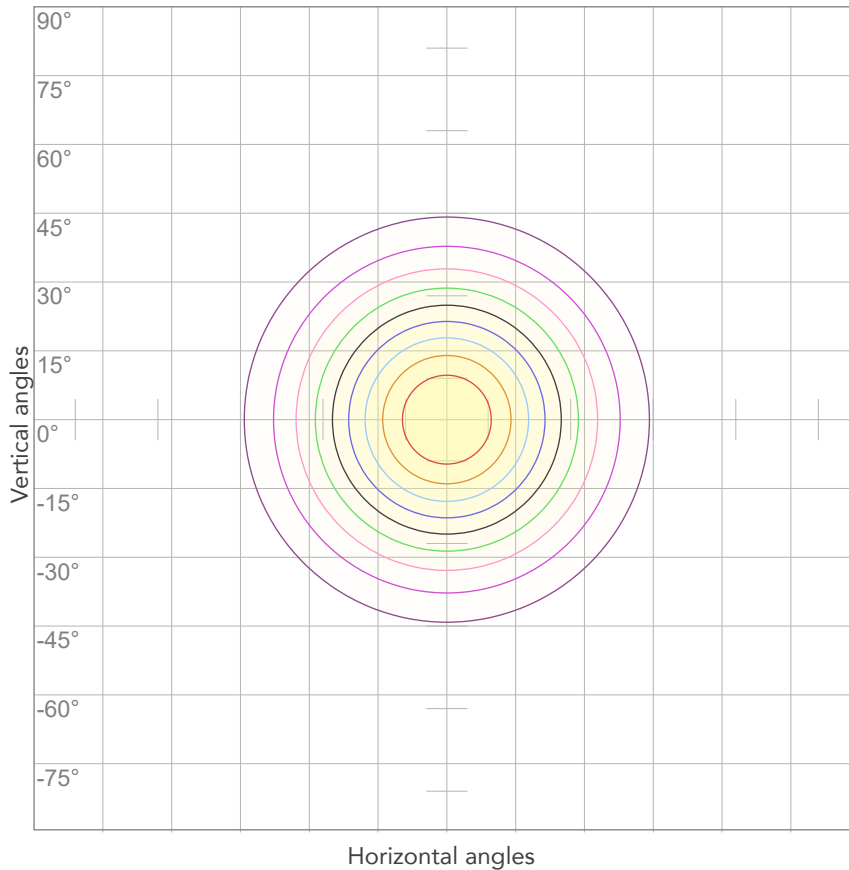


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
222V	5,65A	1199,6W	0,96	49lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



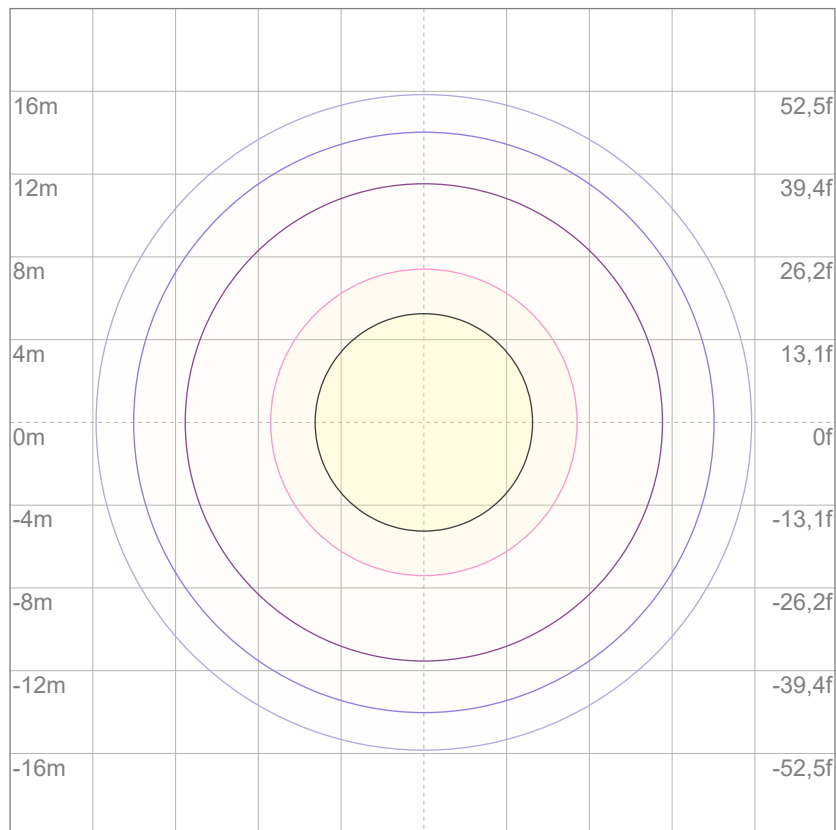
10%	6172 cd
20%	12344 cd
30%	18517 cd
40%	24689 cd
50%	30861 cd
60%	37033 cd
70%	43206 cd
80%	49378 cd

Conditions:

Number of c-planes: 2

Candela at center: 61722 cd

ISO LUX DIAGRAM



3%	18,5 lx
5%	30,9 lx
10%	61,7 lx
30%	185 lx
50%	309 lx

Conditions:

Number of c-planes: 2

Lux at center: 617 lx

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



Total lumen output:

9212 lm

Peak candela output:

9722 cd

PRODUCT NAME:

SUNRISE4FLXFC

MEASUREMENT CONDITIONS:

Beam angle:

Original Optic

Target:

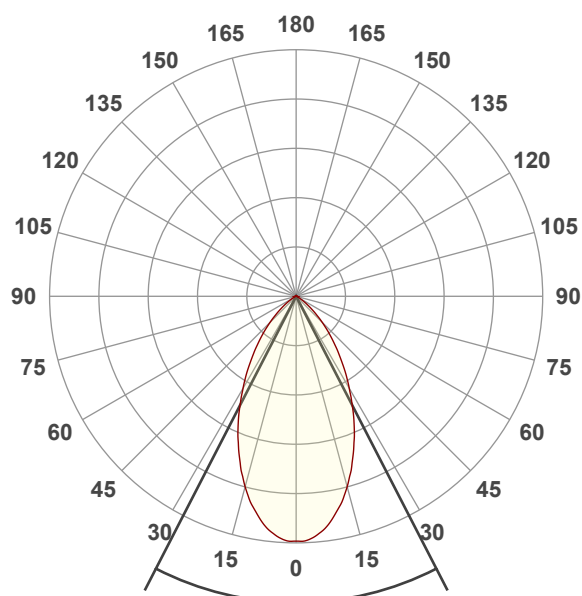
Red

Operator:

Giuseppe della Peruta

Date and time:

30/06/2025 15:17:12

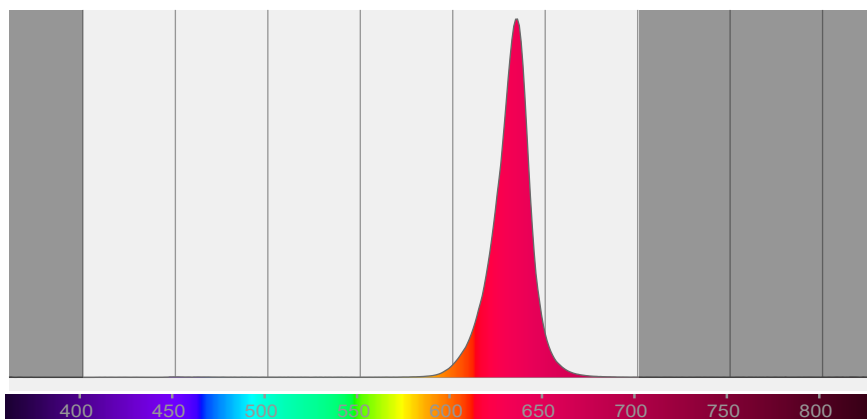


Beam angle 50%: 54,5°

Field angle 10%: 97,9°

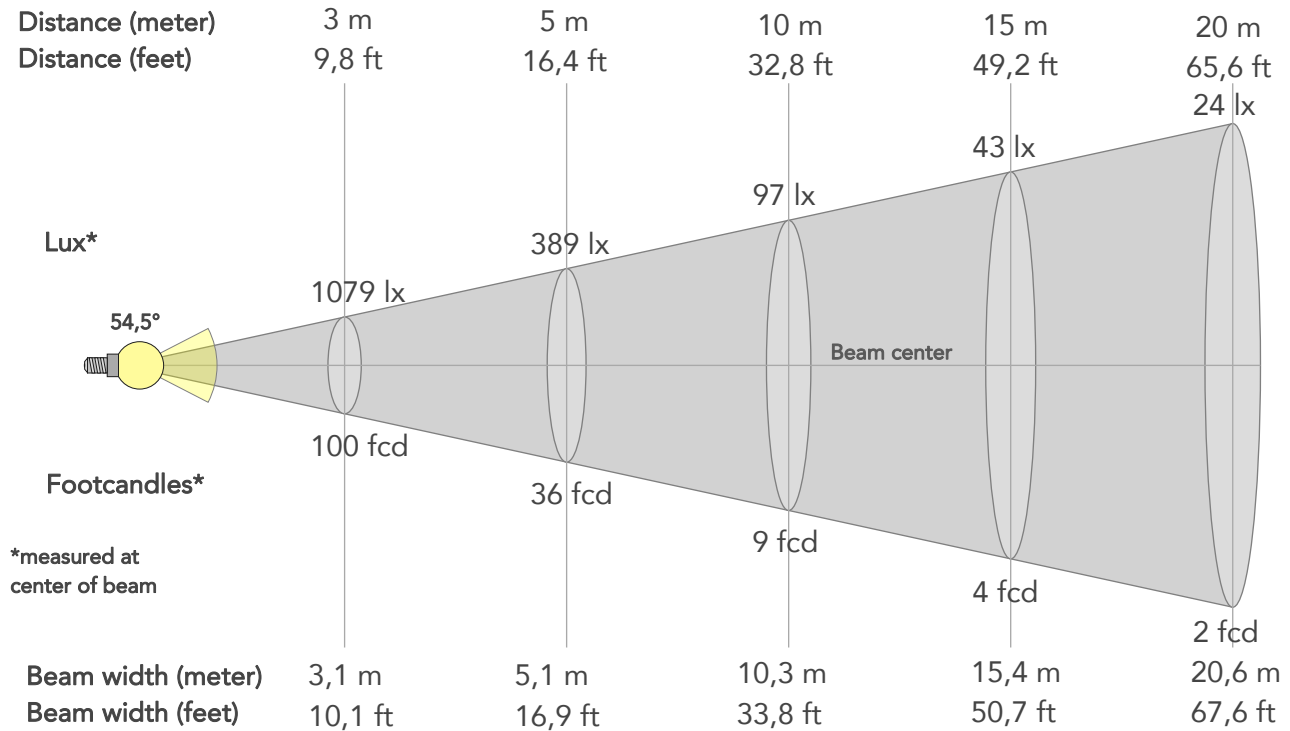
Cut off angle 2.5%: 116,8°

Spectra



BEAM DETAILS

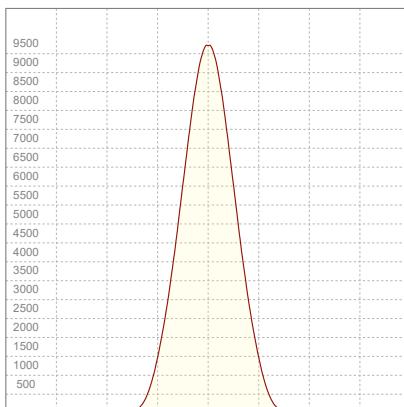
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
54,5°	97,9°	116,8°	98,2%	88,8%



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	9715lx	2429lx	1079lx	607lx	389lx	173lx	97lx	43lx	24lx	16lx	11lx	6lx	4lx
Footcand.	903fcd	226fcd	100fcd	56fcd	36fcd	16fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	1m	2,1m	3,1m	4,1m	5,1m	7,7m	10,3m	15,4m	20,6m	25,7m	30,9m	41,2m	51,5m
Beam wid.	3,4ft	6,8ft	10,1ft	13,5ft	16,9ft	25,3ft	33,8ft	50,7ft	67,6ft	84,4ft	101,3ft	135,1ft	168,9ft

LINEAR DISTRIBUTION DIAGRAM

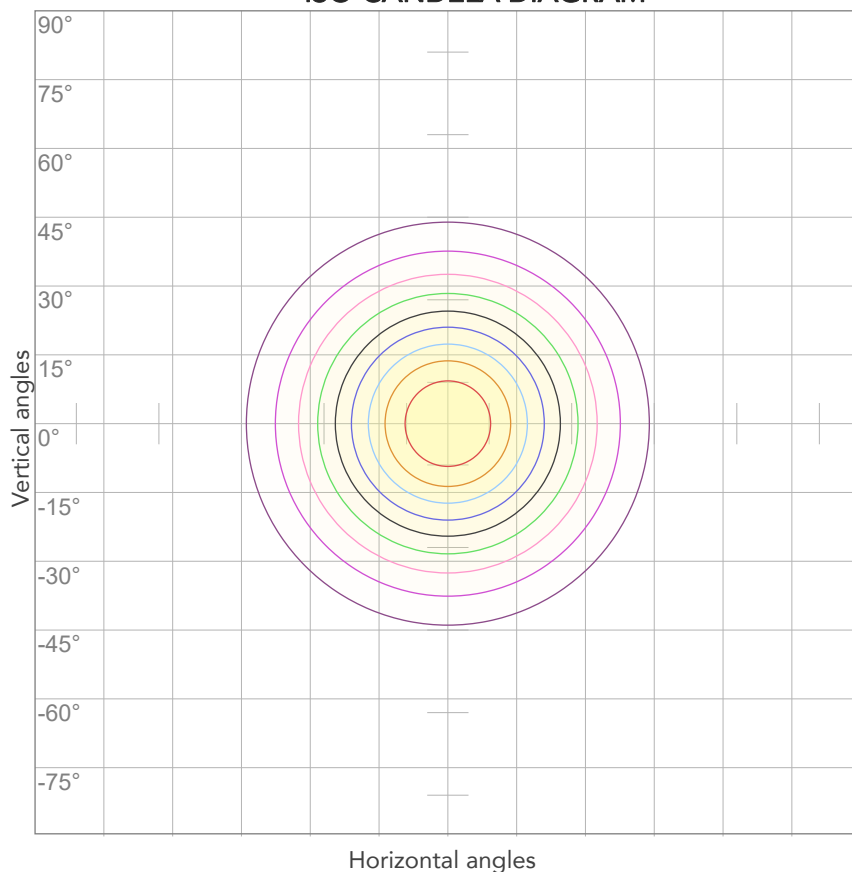


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	1,40A	290,3W	0,92	32lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



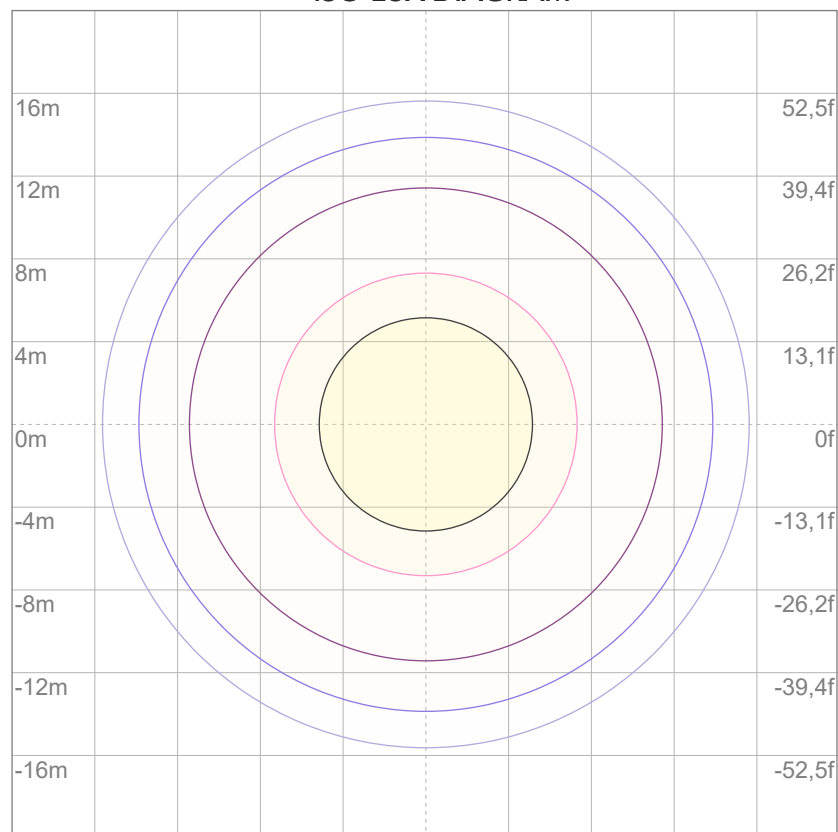
10%	972 cd
20%	1943 cd
30%	2915 cd
40%	3886 cd
50%	4858 cd
60%	5829 cd
70%	6801 cd
80%	7772 cd

Conditions:

Number of c-planes: 2

Candela at center: 9715 cd

ISO LUX DIAGRAM



3%	2,91 lx
5%	4,86 lx
10%	9,72 lx
30%	29,1 lx
50%	48,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 97,2 lx

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



Total lumen output:

18267 lm

Peak candela output:

19368 cd

PRODUCT NAME:

SUNRISE4FLXFC

MEASURAMENT CONDITIONS:

Beam angle:

Original Optic

Target:

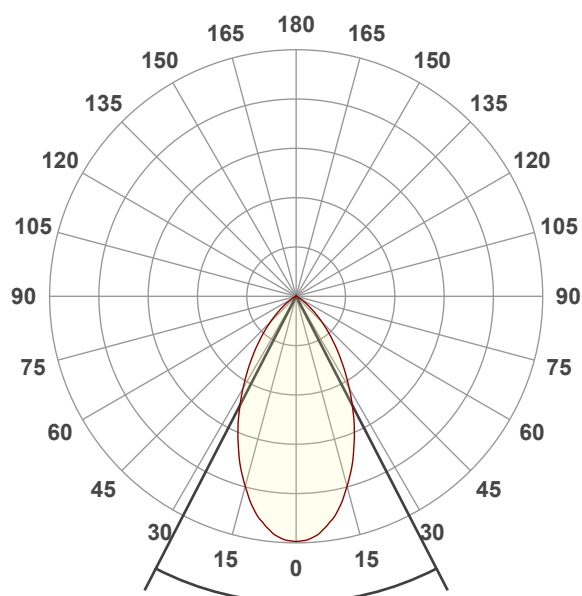
Green

Operator:

Giuseppe della Peruta

Date and time:

30/06/2025 15:20:17

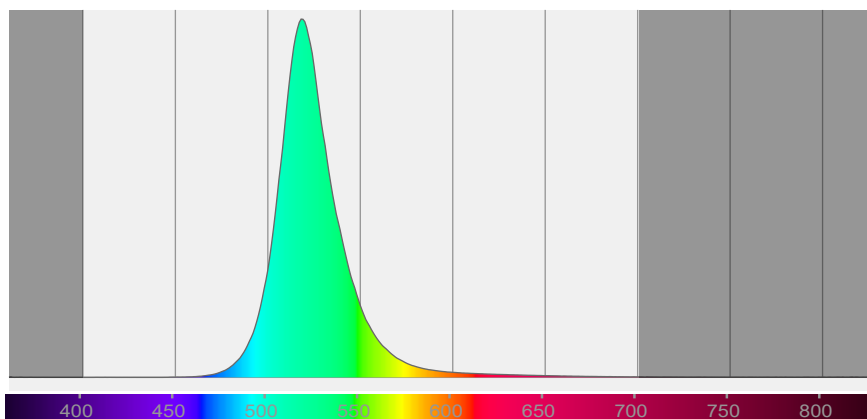


Beam angle 50%: 54,5°

Field angle 10%: 97,8°

Cut off angle 2.5%: 116,8°

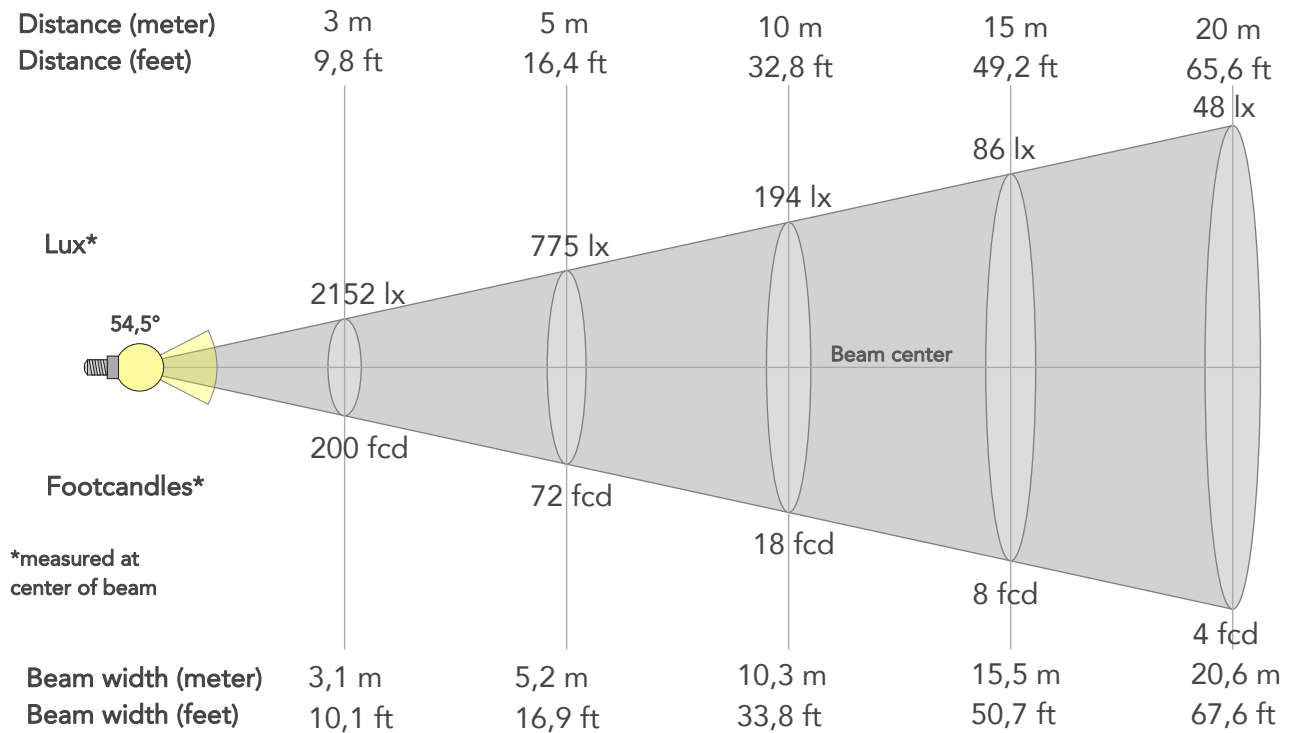
Spectra



BEAM DETAILS



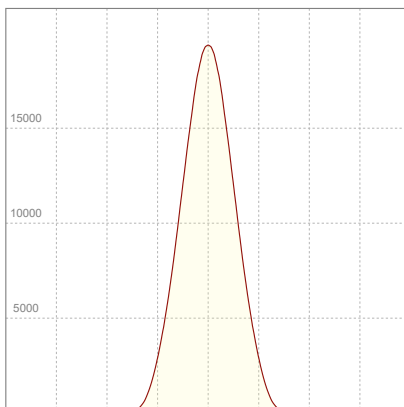
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
54,5°	97,8°	116,8°	98,5%	89,1%



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	19368lx	4842lx	2152lx	1210lx	775lx	344lx	194lx	86lx	48lx	31lx	22lx	12lx	8lx
Footcand.	1799fcd	450fcd	200fcd	112fcd	72fcd	32fcd	18fcd	8fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	1m	2,1m	3,1m	4,1m	5,2m	7,7m	10,3m	15,5m	20,6m	25,8m	30,9m	41,2m	51,5m
Beam wid.	3,4ft	6,8ft	10,1ft	13,5ft	16,9ft	25,4ft	33,8ft	50,7ft	67,6ft	84,5ft	101,4ft	135,2ft	169,1ft

LINEAR DISTRIBUTION DIAGRAM

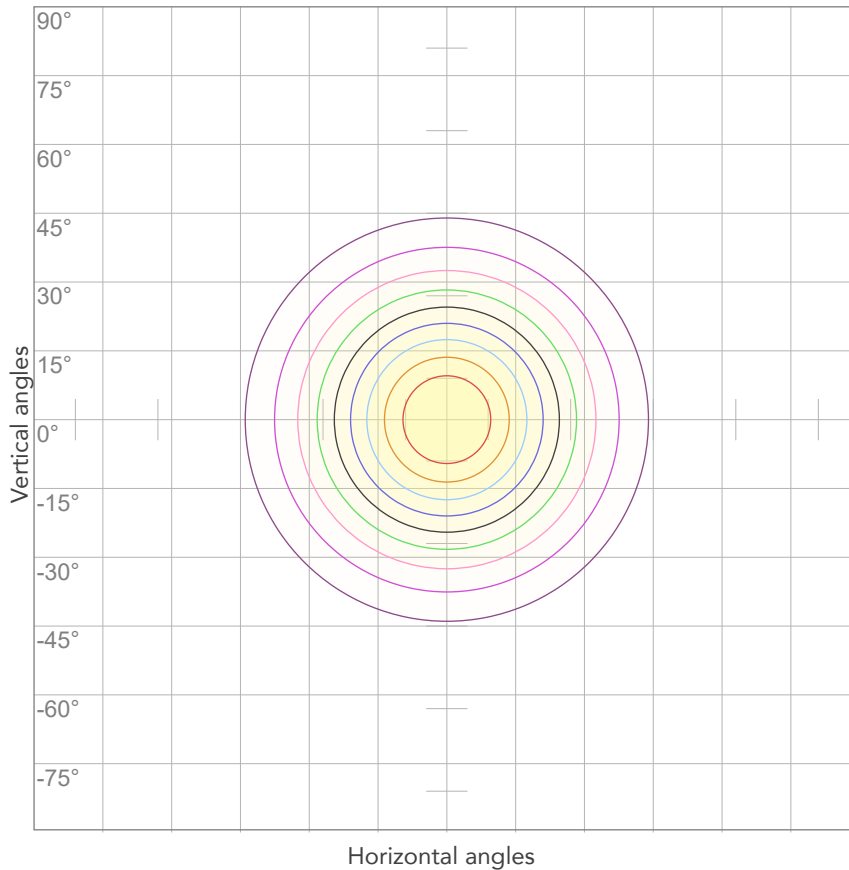


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	1,59A	329,9W	0,92	55lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



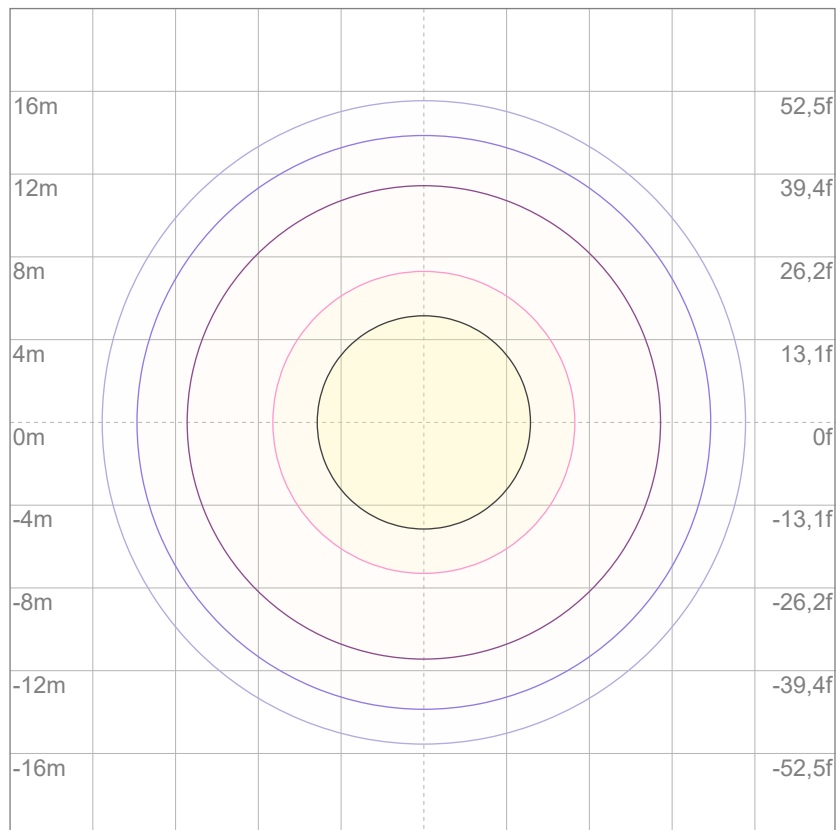
10%	1937 cd
20%	3874 cd
30%	5810 cd
40%	7747 cd
50%	9684 cd
60%	11621 cd
70%	13558 cd
80%	15494 cd

Conditions:

Number of c-planes: 2

Candela at center: 19368 cd

ISO LUX DIAGRAM



3%	5,81 lx
5%	9,68 lx
10%	19,4 lx
30%	58,1 lx
50%	96,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 194 lx

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



Total lumen output:

3680 lm

Peak candela output:

3828 cd

PRODUCT NAME:

SUNRISE4FLXFC

MEASUREMENT CONDITIONS:

Beam angle:

Original Optic

Target:

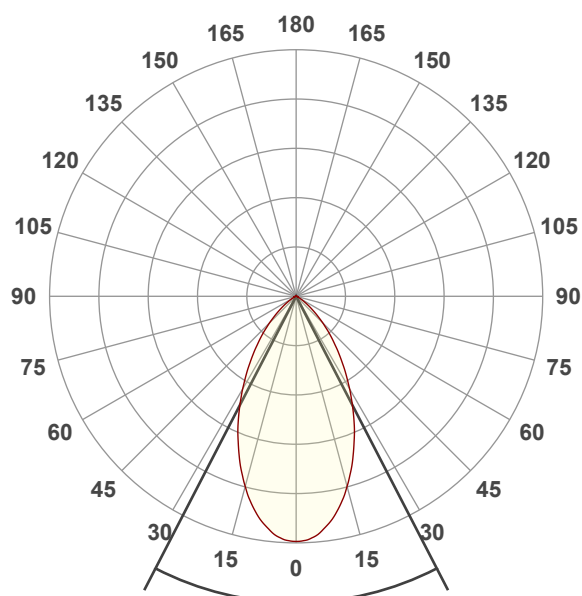
Blue

Operator:

Giuseppe della Peruta

Date and time:

30/06/2025 15:23:12

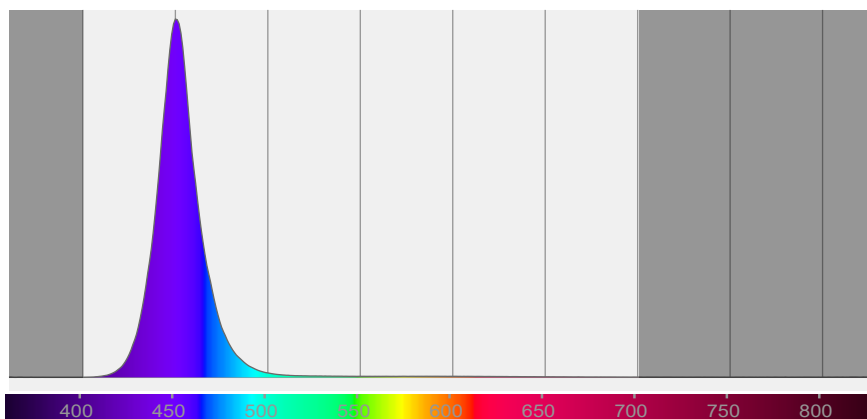


Beam angle 50%: 54,7°

Field angle 10%: 98,4°

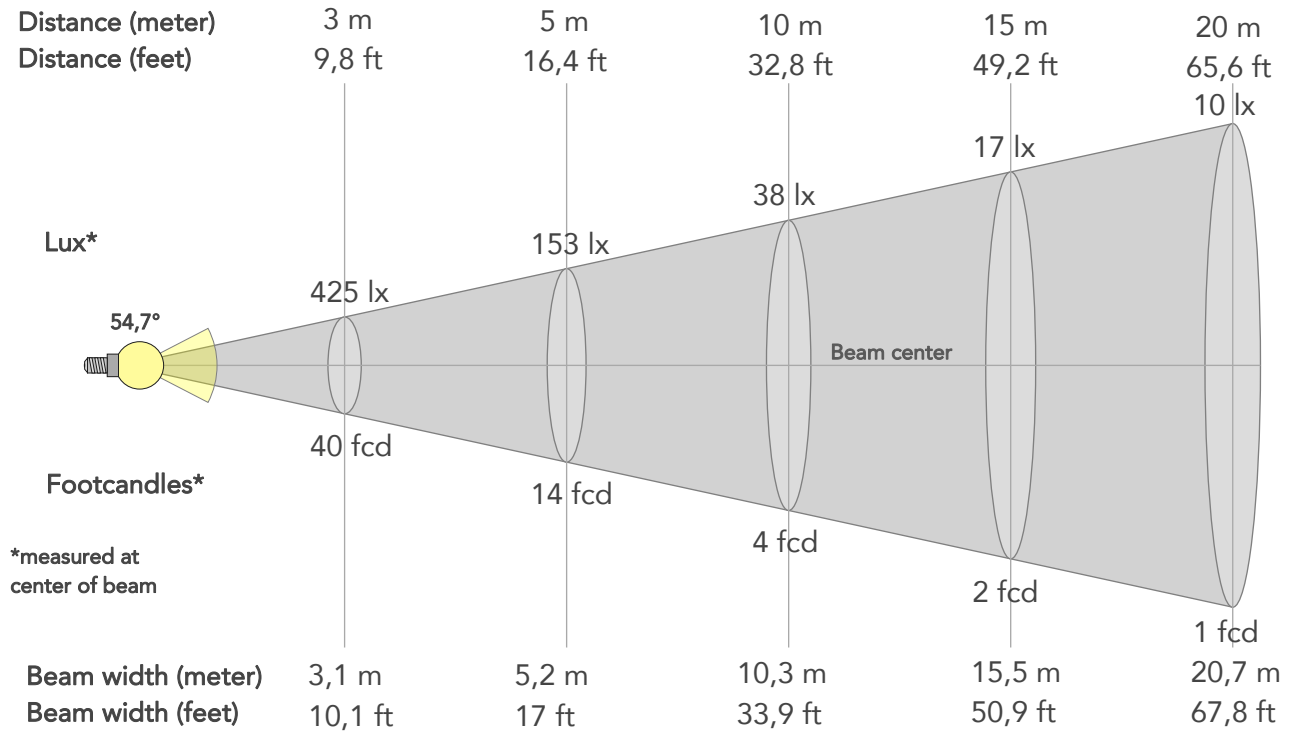
Cut off angle 2.5%: 118,4°

Spectra



BEAM DETAILS

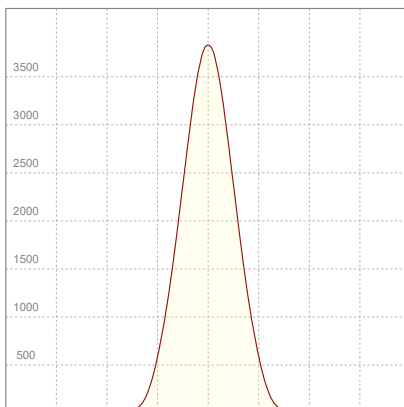
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
54,7°	98,4°	118,4°	97,5%	87,8%



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	3828lx	957lx	425lx	239lx	153lx	68lx	38lx	17lx	10lx	6lx	4lx	2lx	2lx
Footcand.	356fcd	89fcd	40fcd	22fcd	14fcd	6fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	1m	2,1m	3,1m	4,1m	5,2m	7,8m	10,3m	15,5m	20,7m	25,8m	31m	41,4m	51,7m
Beam wid.	3,4ft	6,8ft	10,1ft	13,5ft	17ft	25,4ft	33,9ft	50,9ft	67,8ft	84,8ft	101,7ft	135,6ft	169,5ft

LINEAR DISTRIBUTION DIAGRAM

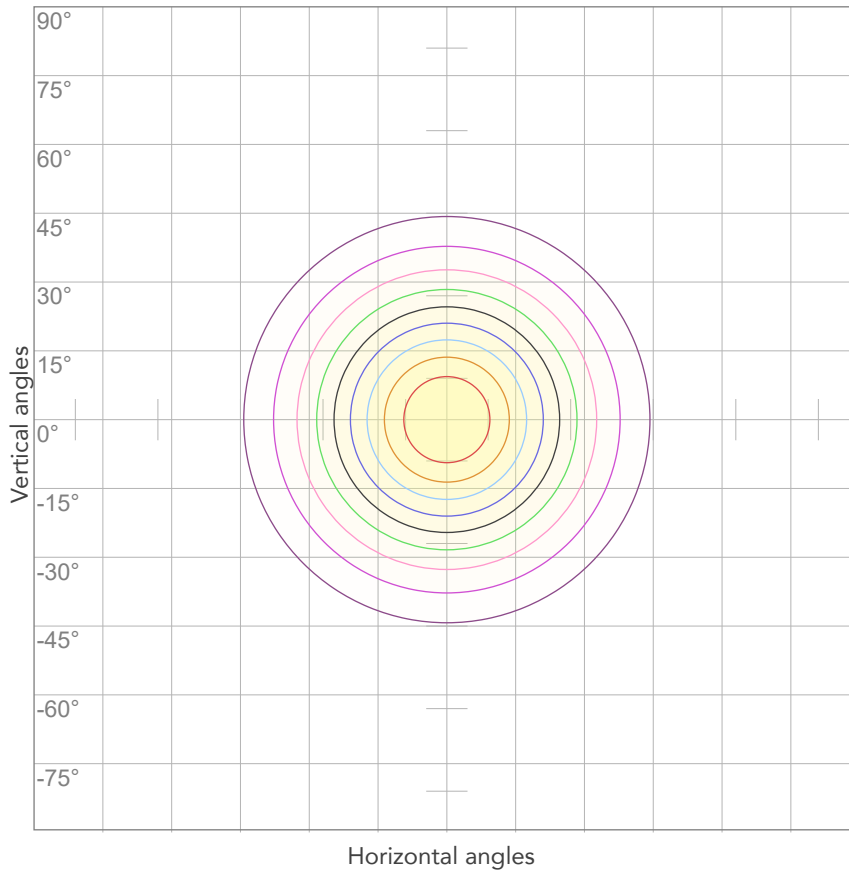


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	1,64A	339,6W	0,92	11lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



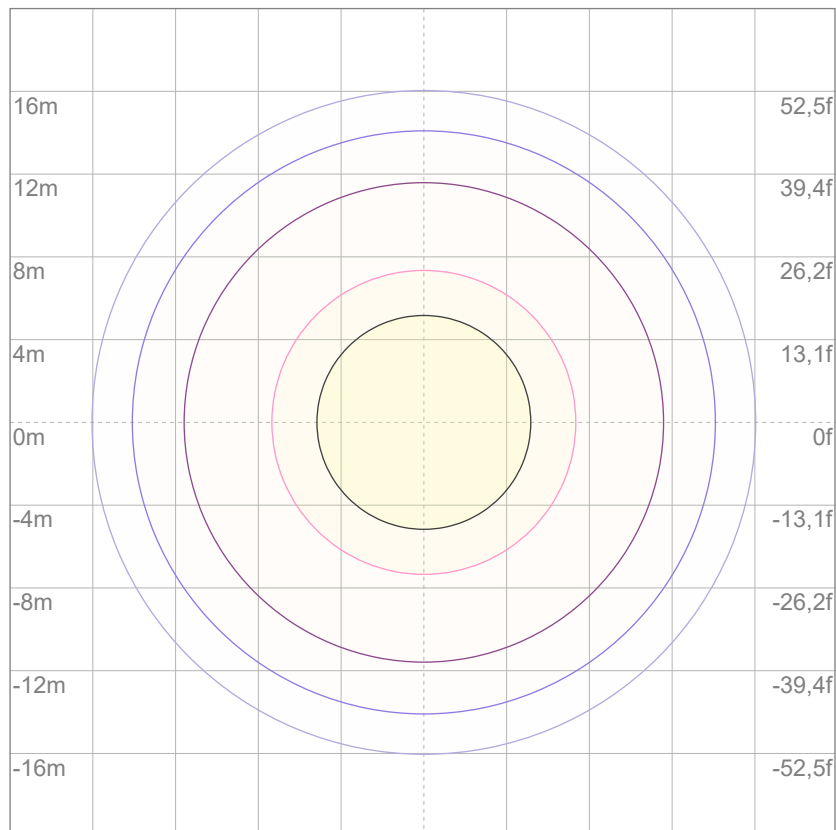
10%	383 cd
20%	766 cd
30%	1148 cd
40%	1531 cd
50%	1914 cd
60%	2297 cd
70%	2680 cd
80%	3062 cd

Conditions:

Number of c-planes: 2

Candela at center: 3828 cd

ISO LUX DIAGRAM



3%	1,15 lx
5%	1,91 lx
10%	3,83 lx
30%	11,5 lx
50%	19,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 38,3 lx

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



Total lumen output:

39303 lm

Peak candela output:

40404 cd

Light quality:

CRI: 83,1

Color temperature:

3172 K

PRODUCT NAME:

SUNRISE4FLXFC

MEASURAMENT CONDITIONS:

Beam angle:

Original Optic

Target:

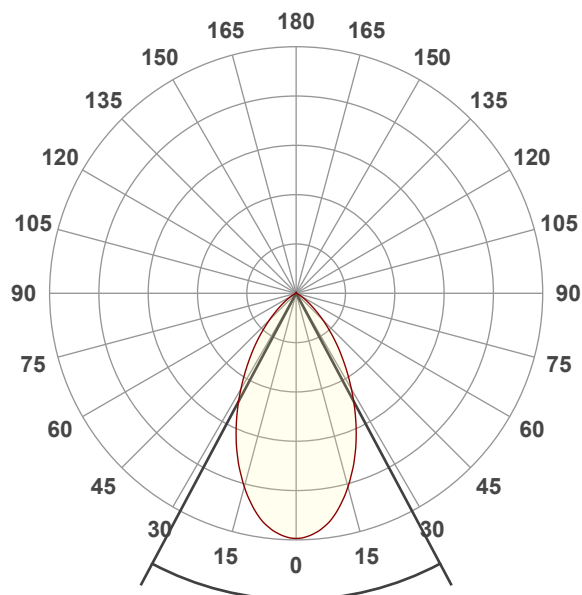
White

Operator:

Giuseppe della Peruta

Date and time:

30/06/2025 15:26:41

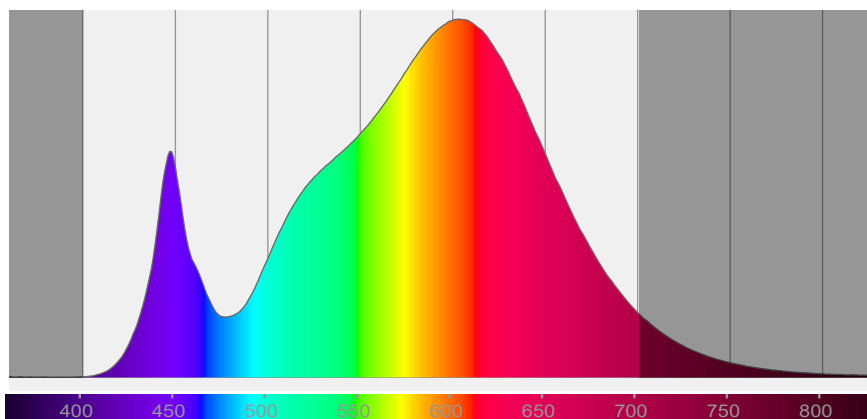


Beam angle 50%: 56,1°

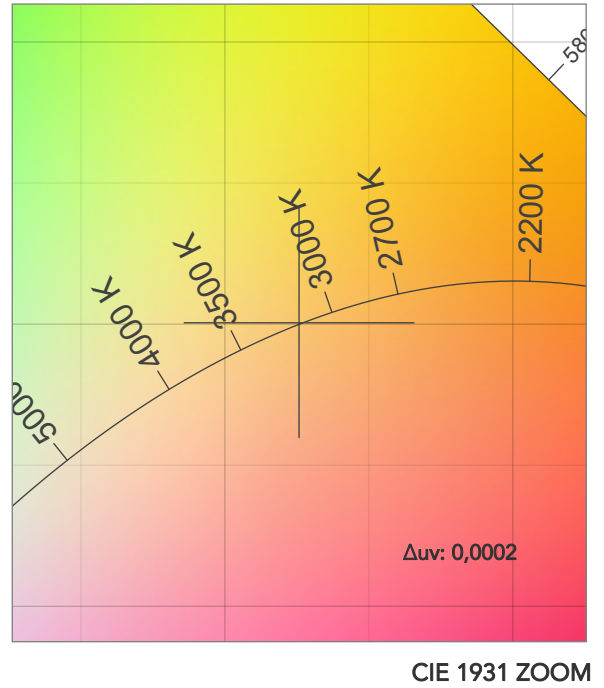
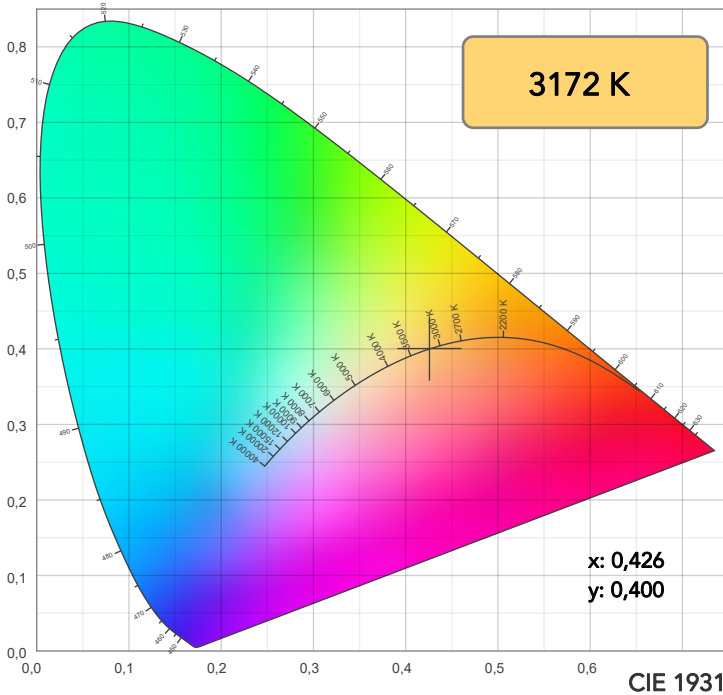
Field angle 10%: 98,3°

Cut off angle 2.5%: 118,3°

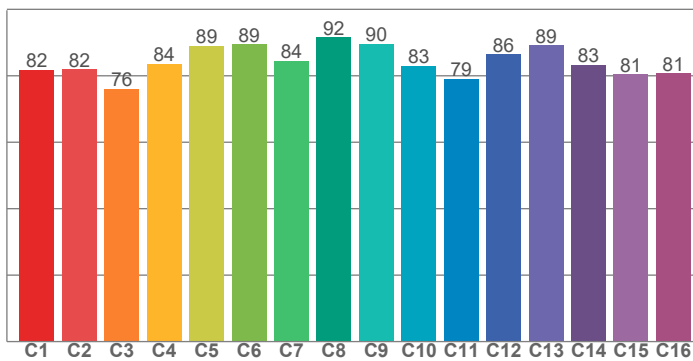
Spectra



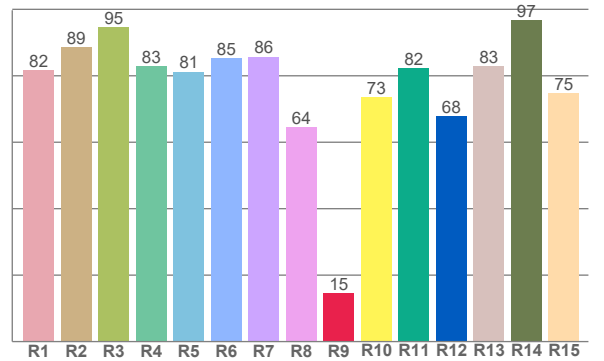
COLOR DETAILS



TM30: 84,2



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
81,6	88,6	94,7	83,0	81,2	85,3	85,7	64,4	14,7	73,5	82,2	67,9	83,0	96,8	74,7

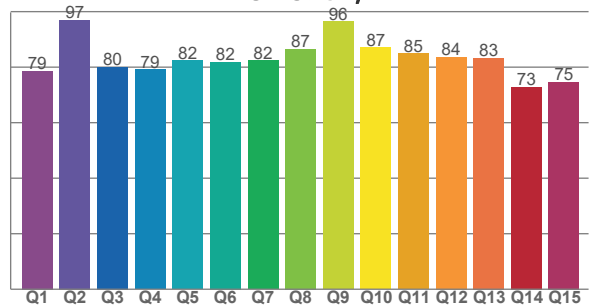
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81,8	82,0	76,1	83,7	89,1	89,4	84,5	91,6	89,6	83,0	79,1	86,4	89,1	83,3	80,5	80,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78,6	97,0	80,1	79,2	82,4	81,9	82,4	86,5	96,5	87,0	84,8	83,6	83,4	72,8	74,7

CQS: 82,1



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3172 K	83,1	14,7	84,2	98,6	82,1	69	0,426	0,400	0,0002

TM30 DETAILS

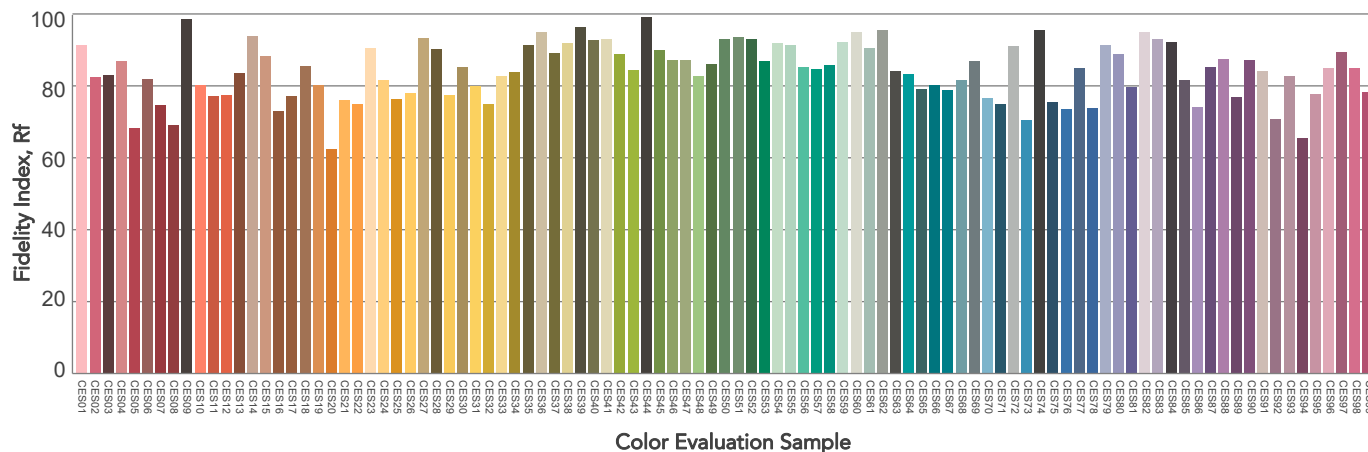
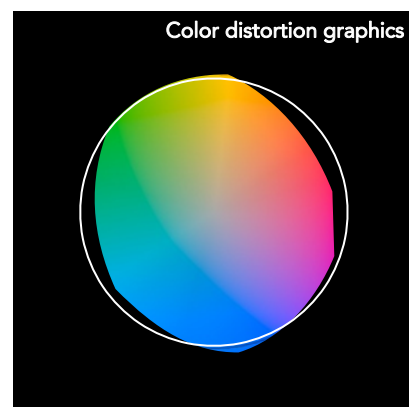
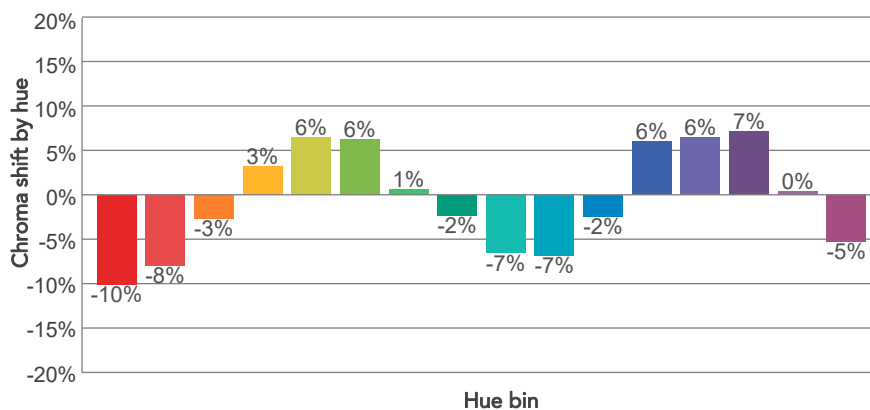
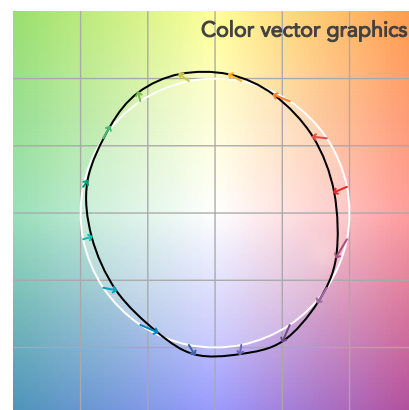
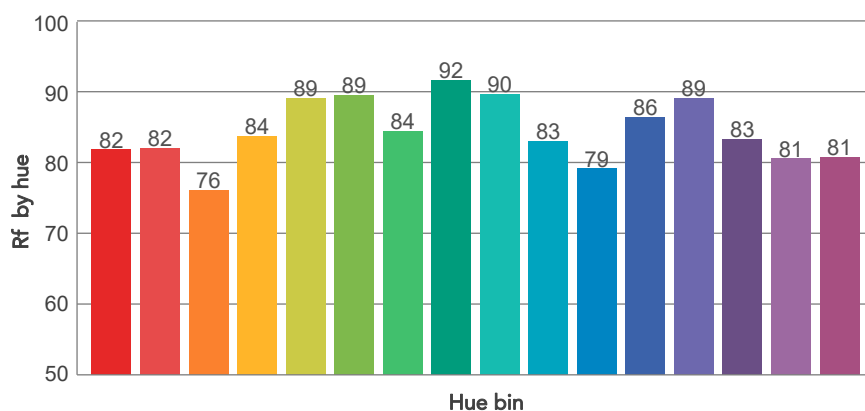
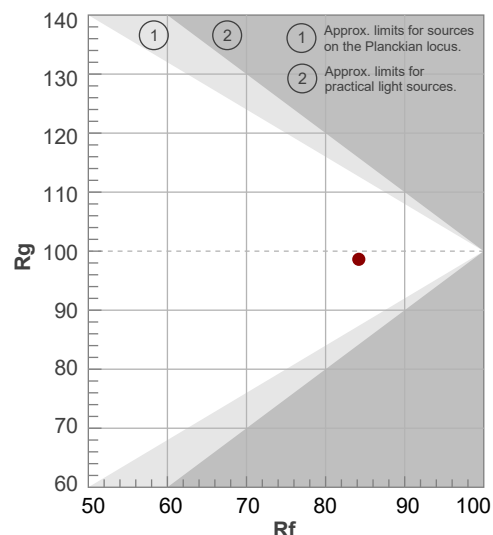
Rf 84,2

Fidelity index Rf

Rg 98,6

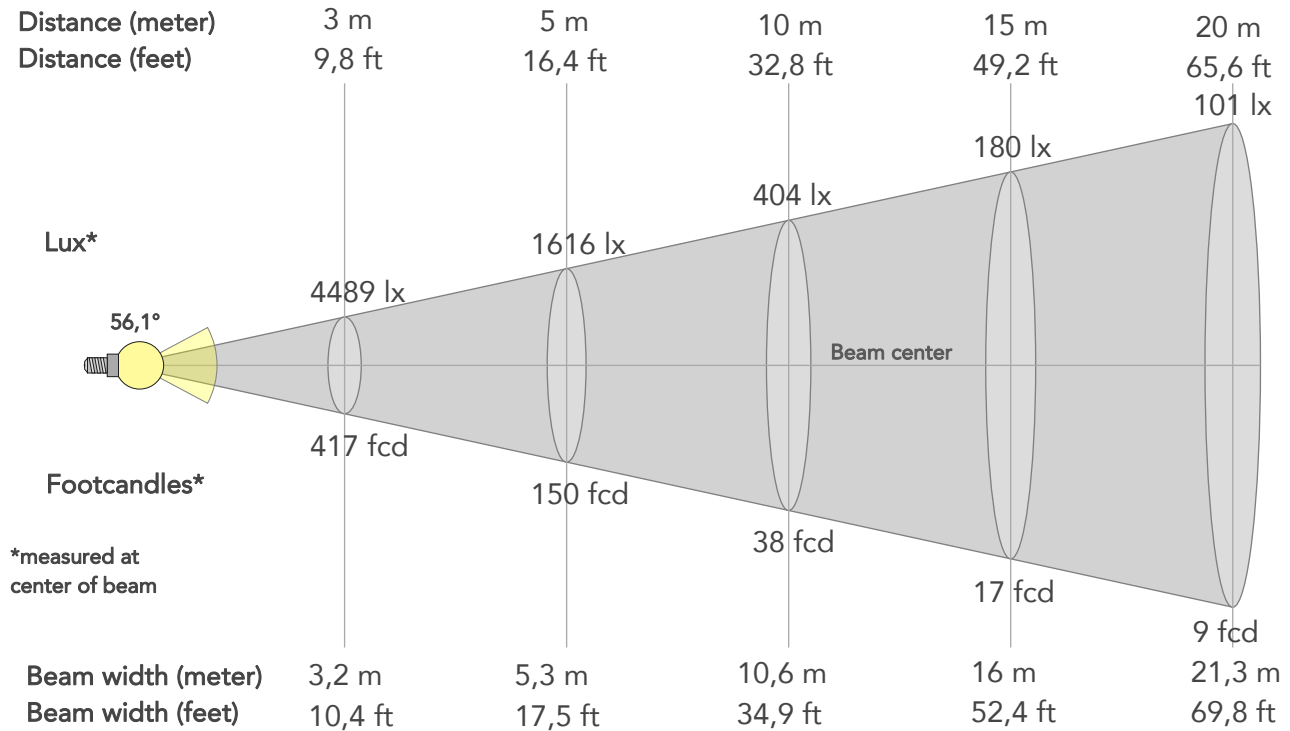
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	-10%	-2%
2	82	-8%	7%
3	76	-3%	12%
4	84	3%	10%
5	89	6%	6%
6	89	6%	-2%
7	84	1%	-10%
8	92	-2%	-5%
9	90	-7%	-1%
10	83	-7%	7%
11	79	-2%	14%
12	86	6%	6%
13	89	6%	-2%
14	83	7%	-11%
15	81	0%	-13%
16	81	-5%	-15%



BEAM DETAILS

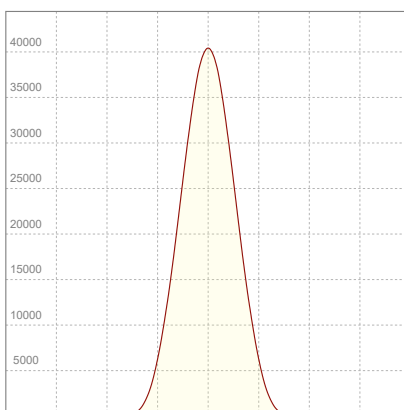
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,1°	98,3°	118,3°	98,5%	88,9%



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	40404lx	10101lx	4489lx	2525lx	1616lx	718lx	404lx	180lx	101lx	65lx	45lx	25lx	16lx
Footcand.	3754fcd	938fcd	417fcd	235fcd	150fcd	67fcd	38fcd	17fcd	9fcd	6fcd	4fcd	2fcd	2fcd
Beam wid.	1,1m	2,1m	3,2m	4,3m	5,3m	8m	10,6m	16m	21,3m	26,6m	31,9m	42,6m	53,2m
Beam wid.	3,5ft	7ft	10,4ft	13,9ft	17,5ft	26,2ft	34,9ft	52,4ft	69,8ft	87,3ft	104,8ft	139,7ft	174,6ft

LINEAR DISTRIBUTION DIAGRAM

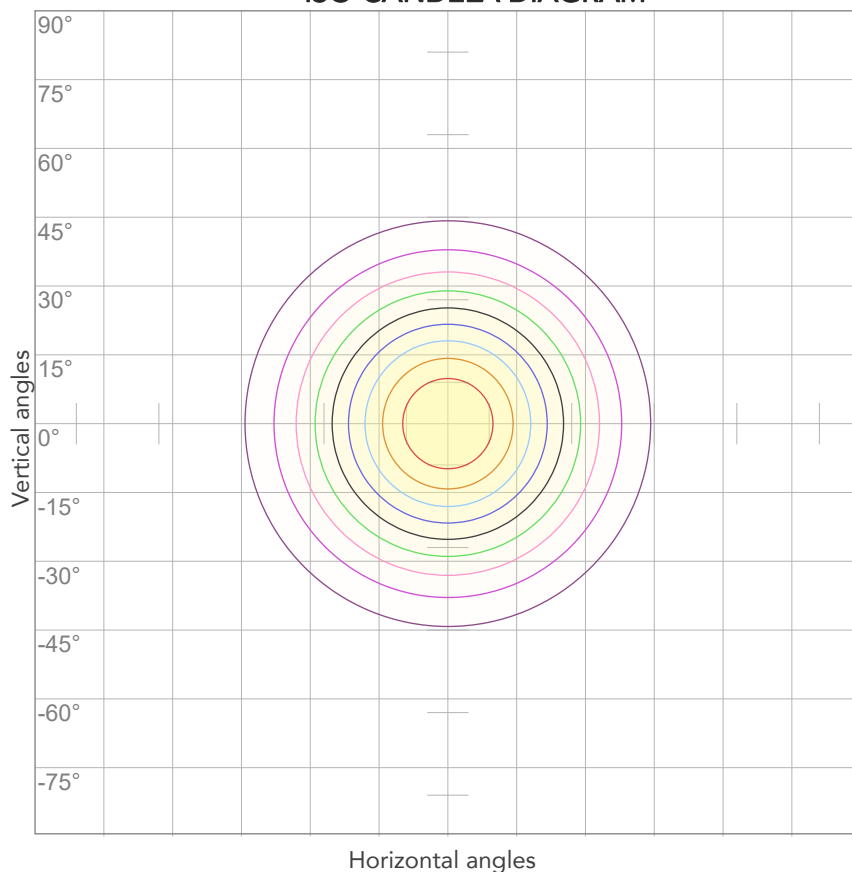


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	2,59A	547W	0,94	72lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



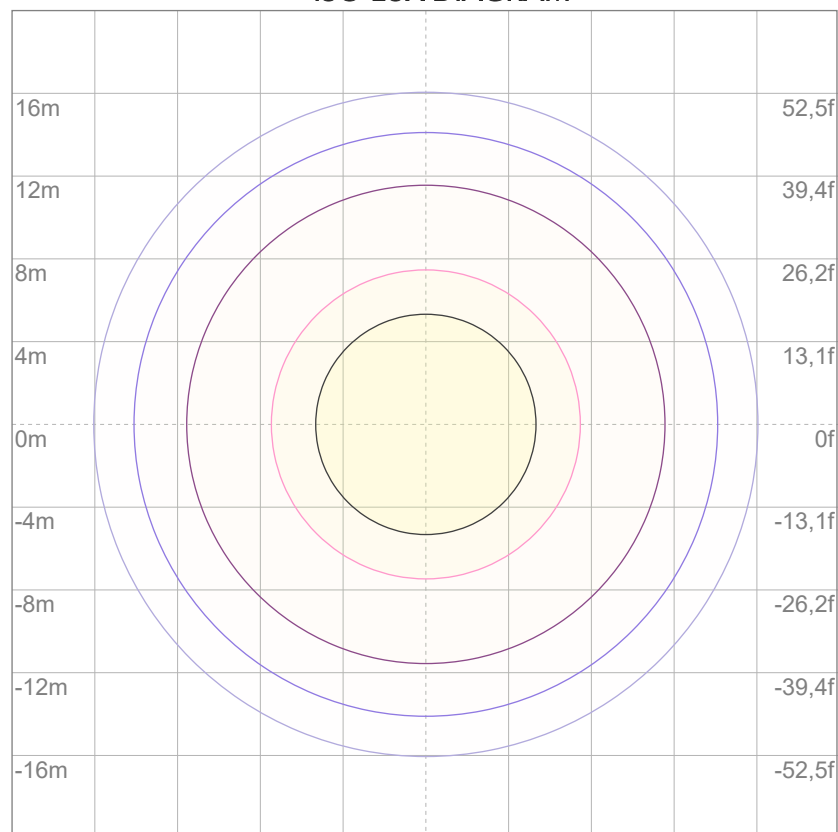
10%	4040 cd
20%	8081 cd
30%	12121 cd
40%	16162 cd
50%	20202 cd
60%	24242 cd
70%	28283 cd
80%	32323 cd

Conditions:

Number of c-planes: 2

Candela at center: 40404 cd

ISO LUX DIAGRAM



3%	12,1 lx
5%	20,2 lx
10%	40,4 lx
30%	121 lx
50%	202 lx

Conditions:

Number of c-planes: 2

Lux at center: 404 lx

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



Total lumen output:

42519 lm

Peak candela output:

49404 cd

Light quality:

CRI: 94,4

Color temperature:

3224 K

PRODUCT NAME:

SUNRISE4FLXFC

MEASUREMENT CONDITIONS:

Beam angle:

Original Optic

Target:

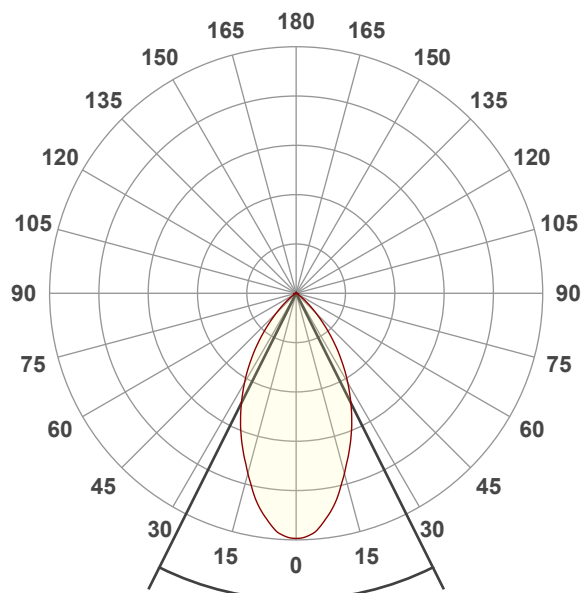
3200K

Operator:

Giuseppe della Peruta

Date and time:

30/06/2025 14:50:02

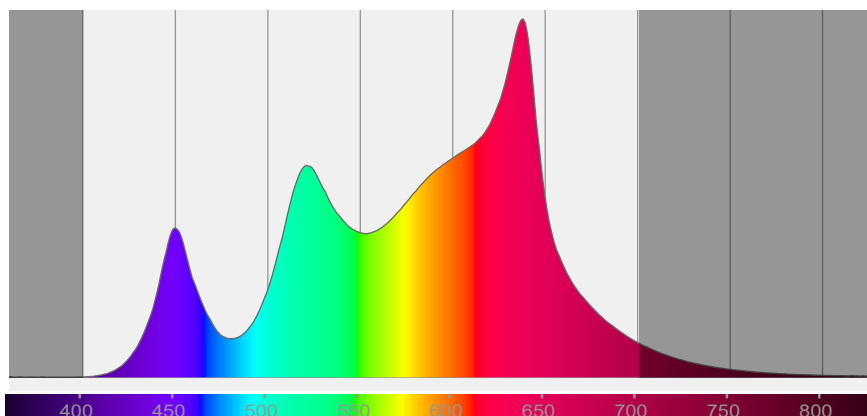


Beam angle 50%: 53°

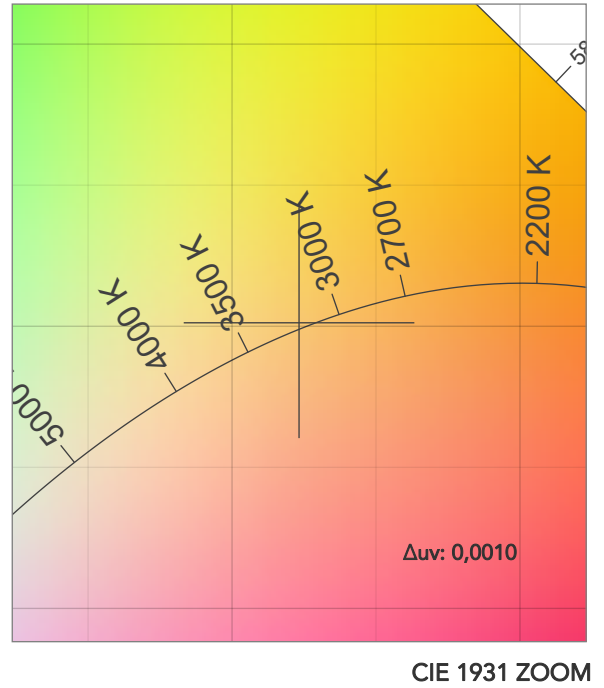
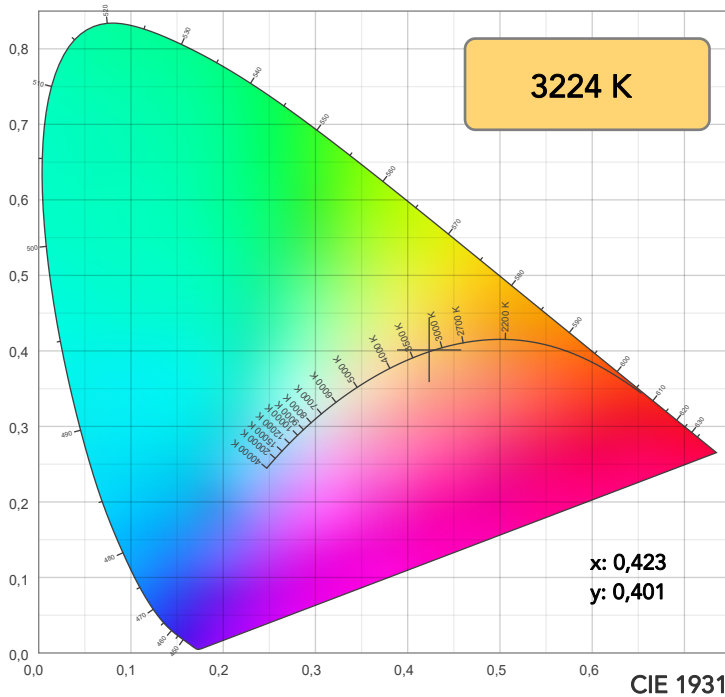
Field angle 10%: 92,1°

Cut off angle 2.5%: 108,5°

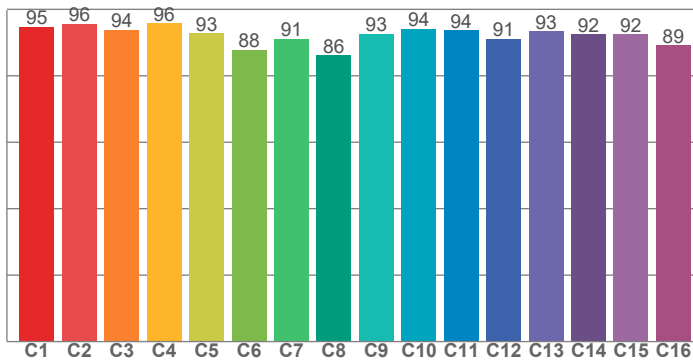
Spectra



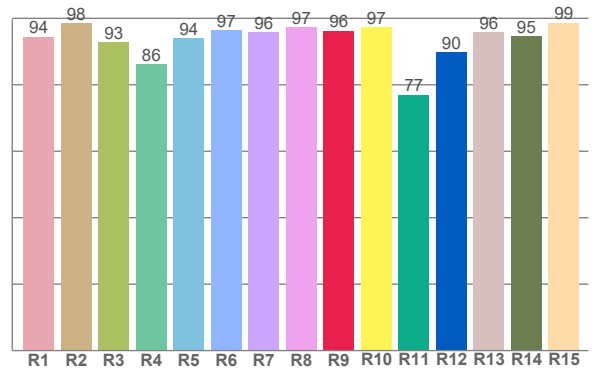
COLOR DETAILS



TM30: 92,8



CRI: 94,4 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,5	98,4	92,7	86,2	94,1	96,5	95,9	97,2	96,3	97,2	77,0	89,8	95,9	94,6	98,7

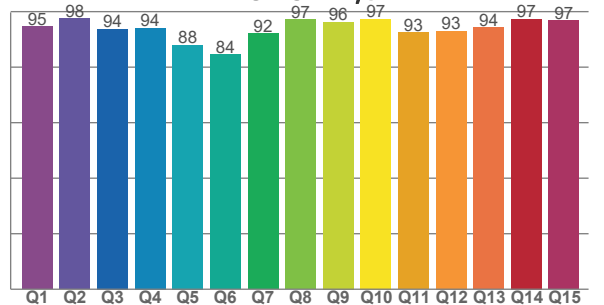
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,7	97,6	93,7	94,1	87,9	84,5	92,1	97,2	96,3	97,3	92,5	93,1	94,4	97,4	96,8

CQS: 92,8



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
3224 K	94,4	96,3	92,8	105,6	92,8	82	0,423	0,401	0,0010

TM30 DETAILS

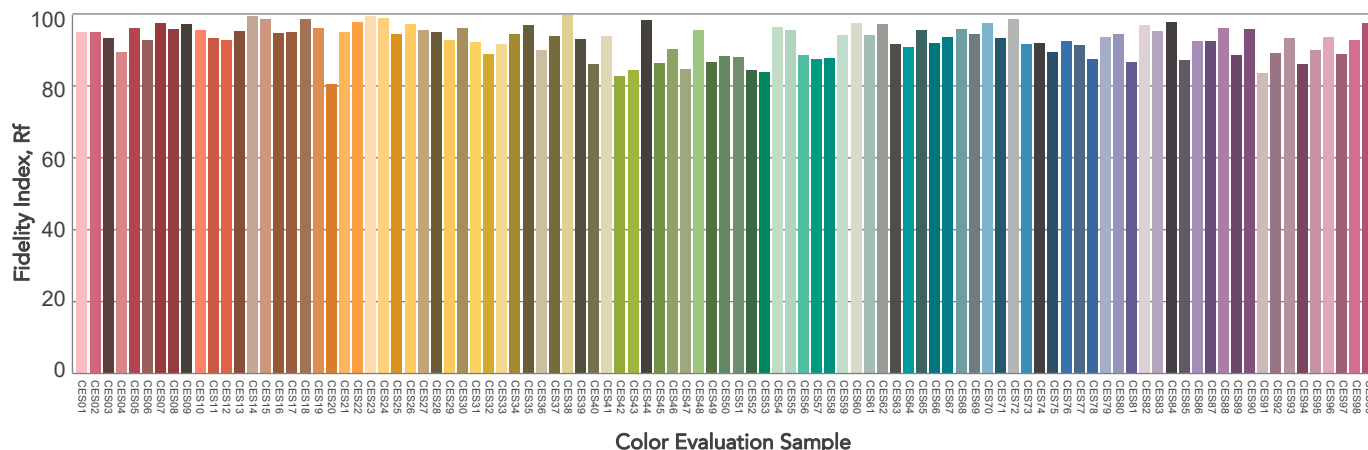
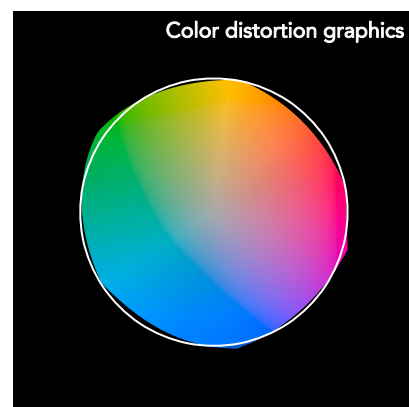
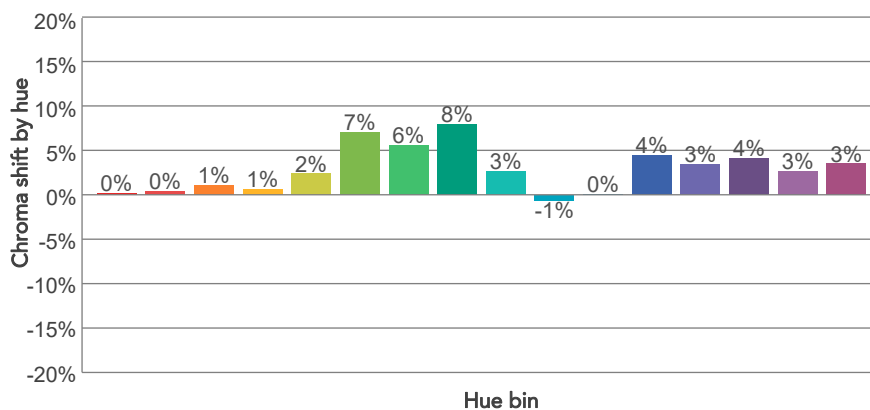
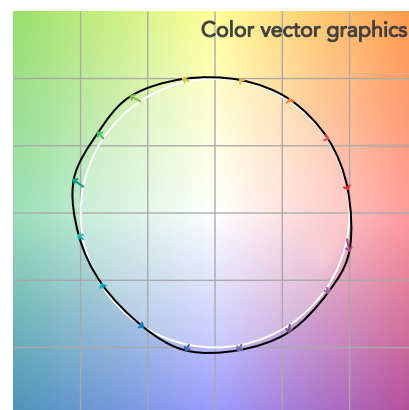
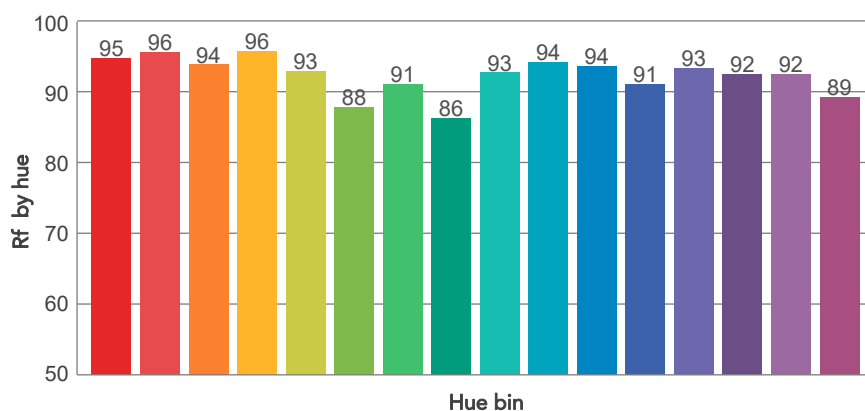
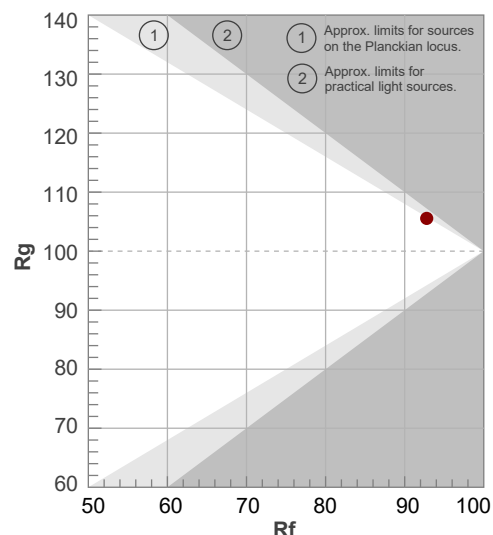
Rf 92,8

Fidelity index Rf

Rg 105,6

Gammut index

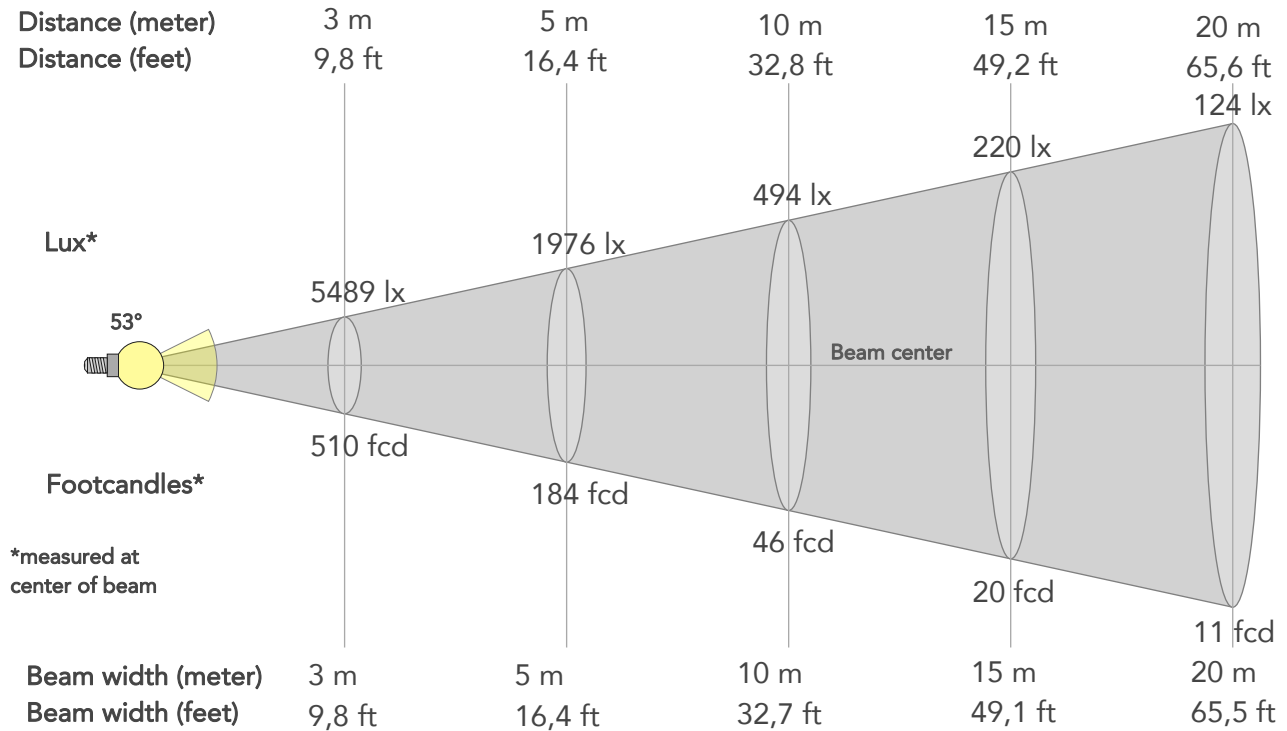
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	0%	-2%
2	96	0%	-1%
3	94	1%	1%
4	96	1%	1%
5	93	2%	4%
6	88	7%	4%
7	91	6%	-1%
8	86	8%	-4%
9	93	3%	-4%
10	94	-1%	-3%
11	94	0%	2%
12	91	4%	-1%
13	93	3%	-3%
14	92	4%	-4%
15	92	3%	-3%
16	89	3%	-8%



BEAM DETAILS



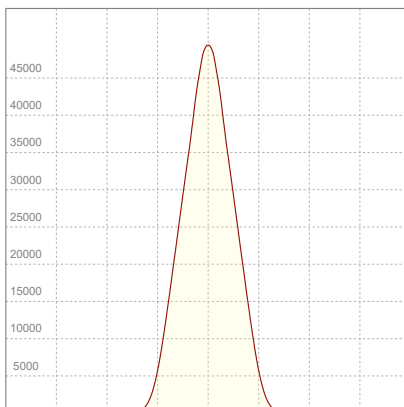
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
53°	92,1°	108,5°	99,0%	92,6%



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	49404lx	12351lx	5489lx	3088lx	1976lx	878lx	494lx	220lx	124lx	79lx	55lx	31lx	20lx
Footcand.	4590fcd	1147fcd	510fcd	287fcd	184fcd	82fcd	46fcd	20fcd	11fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	24,9m	29,9m	39,9m	49,9m
Beam wid.	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,7ft	49,1ft	65,5ft	81,8ft	98,2ft	130,9ft	163,7ft

LINEAR DISTRIBUTION DIAGRAM

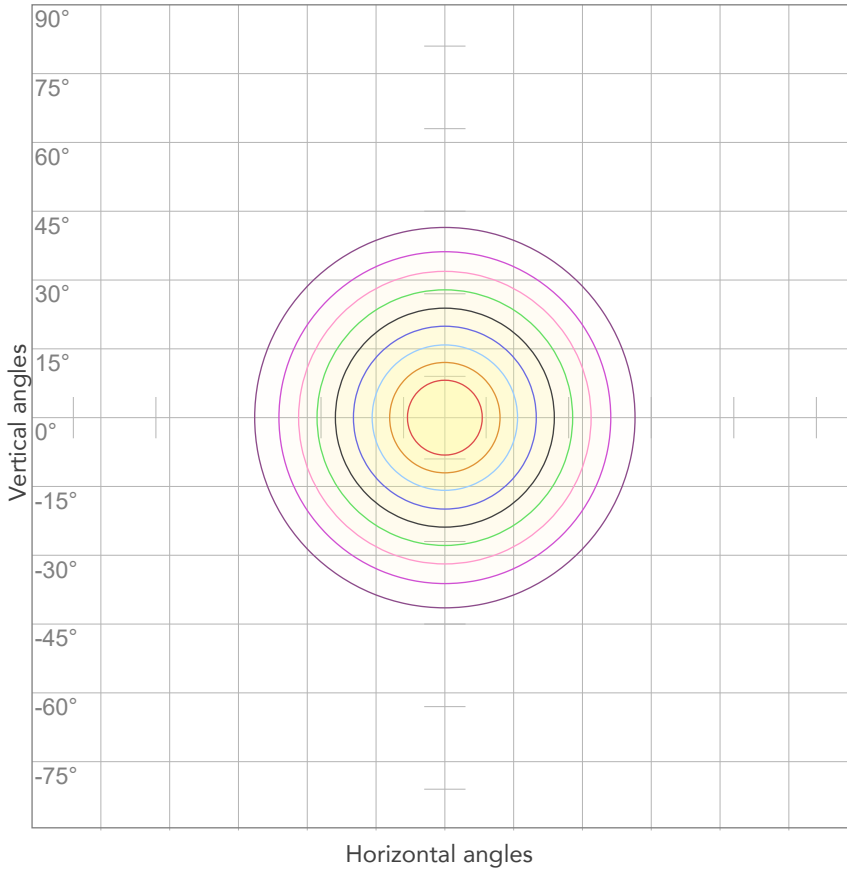


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
223V	4,15A	881,5W	0,95	48lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



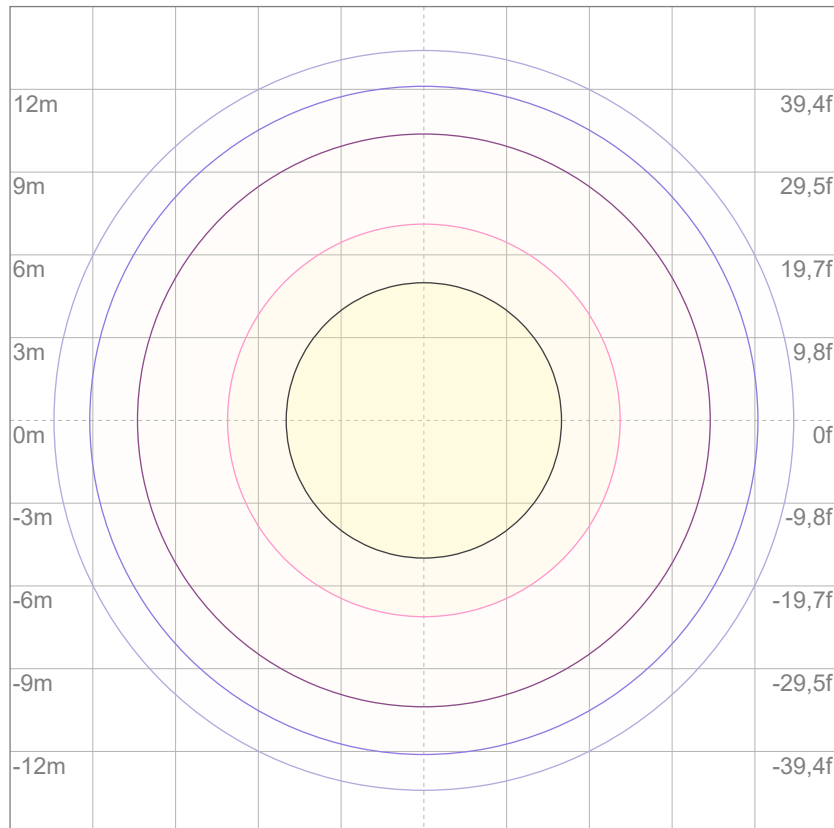
10%	4940 cd
20%	9881 cd
30%	14821 cd
40%	19762 cd
50%	24702 cd
60%	29642 cd
70%	34583 cd
80%	39523 cd

Conditions:

Number of c-planes: 2

Candela at center: 49404 cd

ISO LUX DIAGRAM



3%	14,8 lx
5%	24,7 lx
10%	49,4 lx
30%	148 lx
50%	247 lx

Conditions:

Number of c-planes: 2

Lux at center: 494 lx

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



Total lumen output:

55003 lm

Peak candela output:

56943 cd

Light quality:

CRI: 92,3

Color temperature:

5602 K

PRODUCT NAME:

SUNRISE4FLXFC

MEASURAMENT CONDITIONS:

Beam angle:

Original Optic

Target:

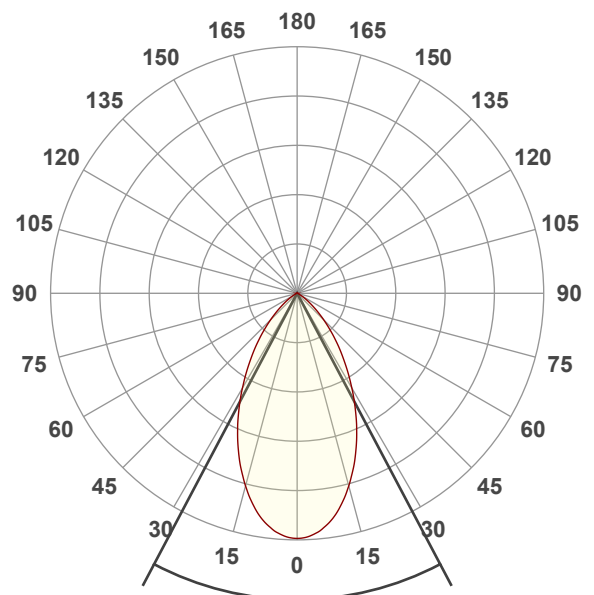
5600K

Operator:

Giuseppe della Peruta

Date and time:

30/06/2025 15:09:08

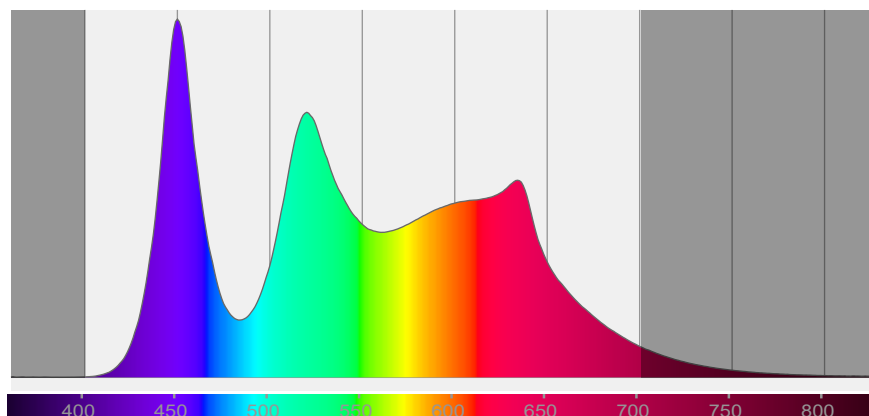


Beam angle 50%: 55,7°

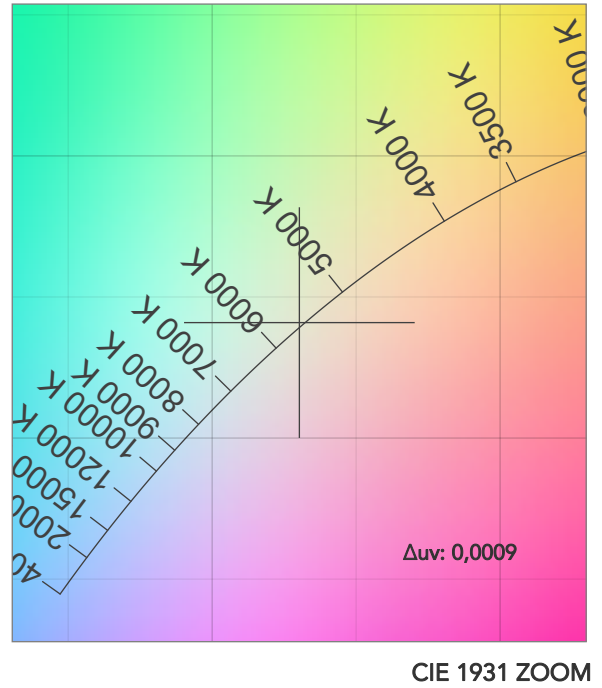
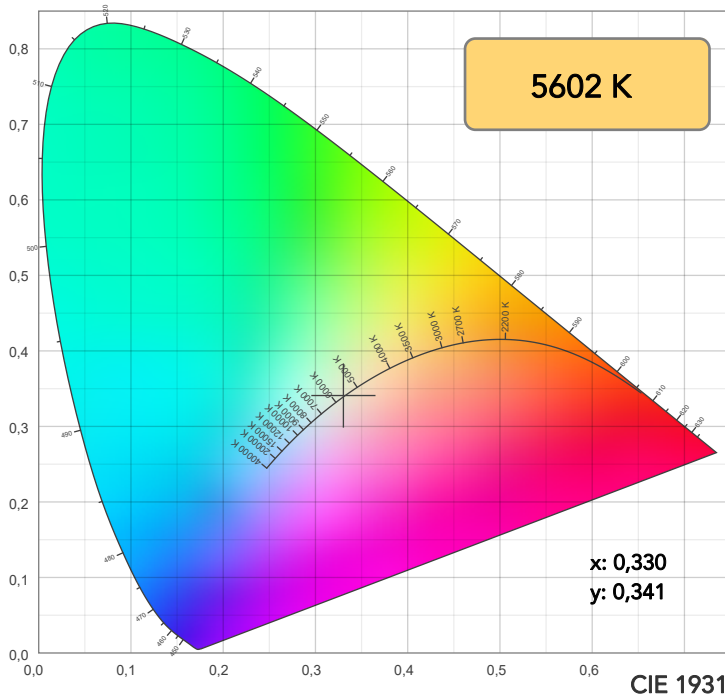
Field angle 10%: 98,3°

Cut off angle 2.5%: 118°

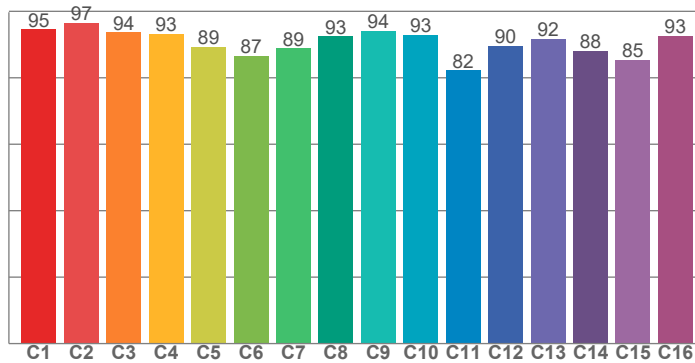
Spectra



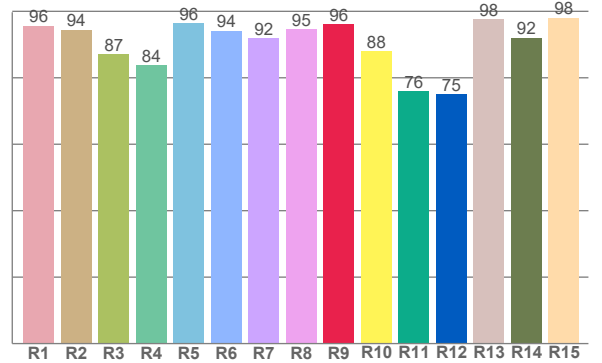
COLOR DETAILS



TM30: 90,7



CRI: 92,3 (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
95,7	94,5	87,2	83,8	96,5	94,1	91,9	94,6	96,2	88,1	75,9	75,1	97,7	92,1	98,1

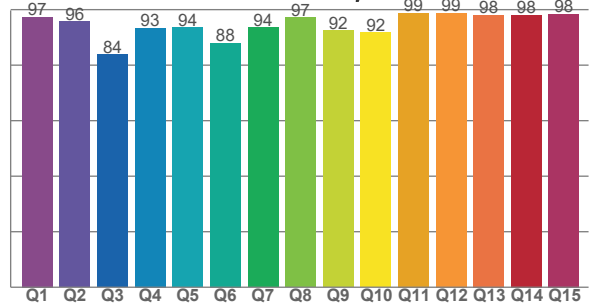
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,6	96,6	93,7	93,2	89,4	86,6	88,9	92,5	94,1	93,0	82,3	89,6	91,7	88,1	85,4	92,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,3	95,7	83,9	93,4	93,6	87,9	93,6	97,1	92,5	91,7	98,7	98,8	98,1	98,0	98,3

CQS: 93,2



COLOR PARAMETERS

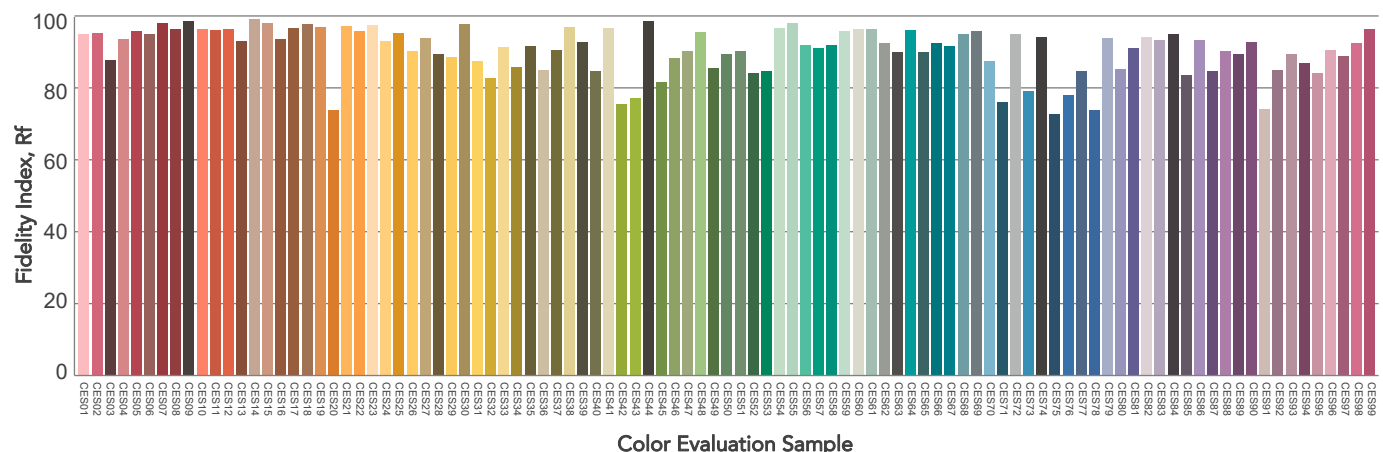
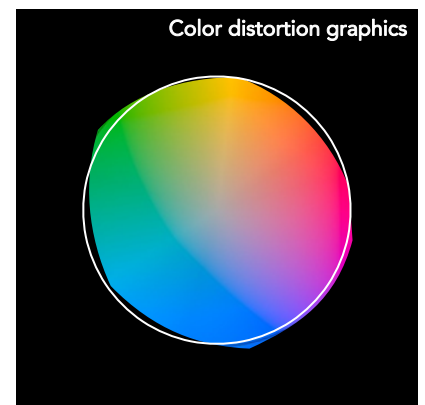
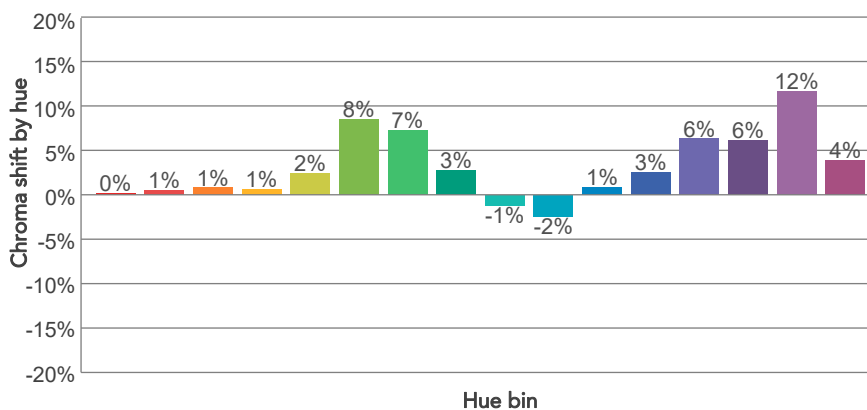
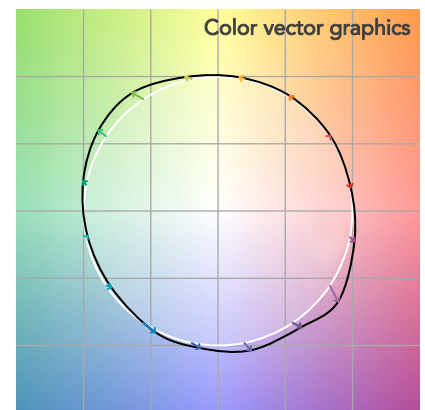
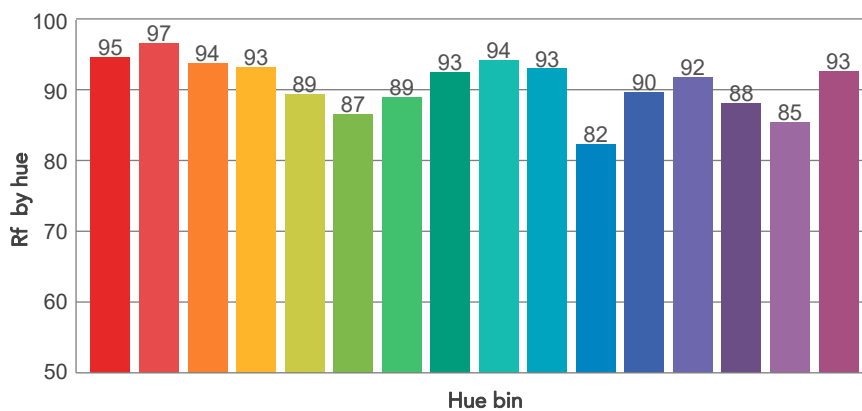
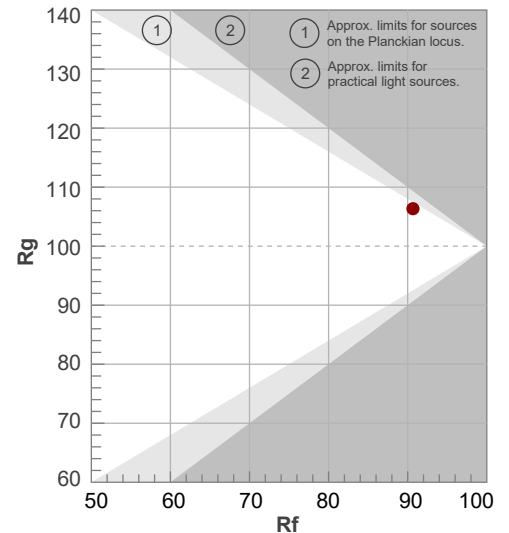
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5602 K	92,3	96,2	90,7	106,3	93,2	88	0,330	0,341	0,0009

TM30 DETAILS

Rf 90,7
Fidelity index Rf

Rg 106,3
Gammut index

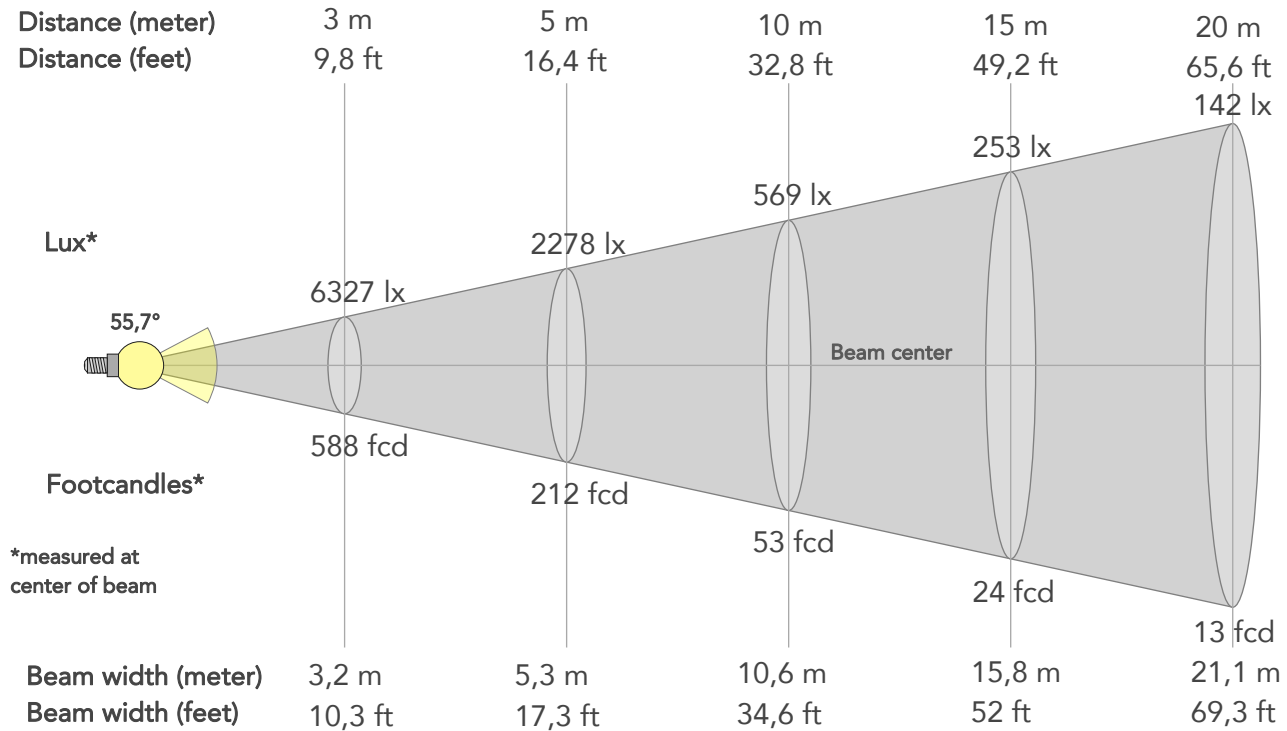
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	0%	-2%
2	97	1%	0%
3	94	1%	3%
4	93	1%	4%
5	89	2%	4%
6	87	8%	4%
7	89	7%	0%
8	93	3%	-2%
9	94	-1%	-1%
10	93	-2%	3%
11	82	1%	11%
12	90	3%	7%
13	92	6%	4%
14	88	6%	3%
15	85	12%	-6%
16	93	4%	-2%



BEAM DETAILS



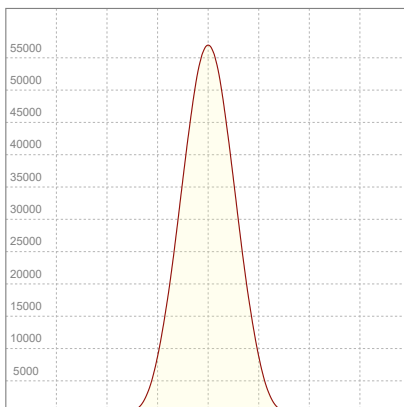
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
55,7°	98,3°	118°	98,5%	88,9%



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	56943lx	14236lx	6327lx	3559lx	2278lx	1012lx	569lx	253lx	142lx	91lx	63lx	36lx	23lx
Footcand.	5290fcd	1323fcd	588fcd	331fcd	212fcd	94fcd	53fcd	24fcd	13fcd	8fcd	6fcd	3fcd	2fcd
Beam wid.	1,1m	2,1m	3,2m	4,2m	5,3m	7,9m	10,6m	15,8m	21,1m	26,4m	31,7m	42,2m	52,8m
Beam wid.	3,5ft	7ft	10,3ft	13,8ft	17,3ft	26ft	34,6ft	52ft	69,3ft	86,6ft	103,9ft	138,6ft	173,2ft

LINEAR DISTRIBUTION DIAGRAM

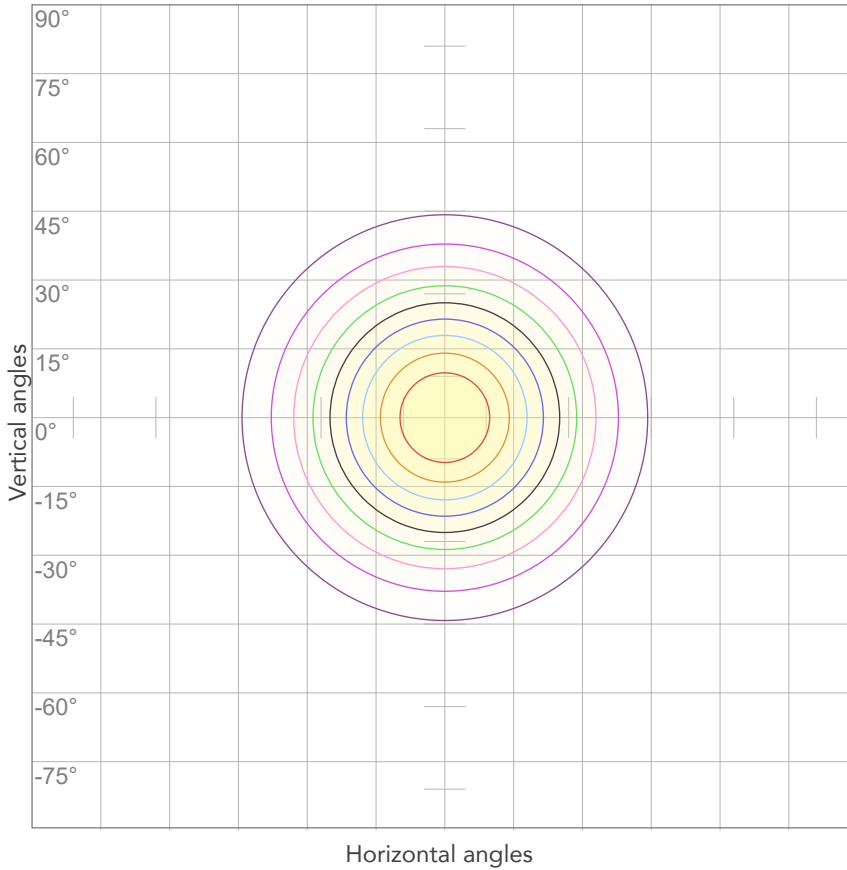


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
223V	4,51A	961W	0,96	57lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



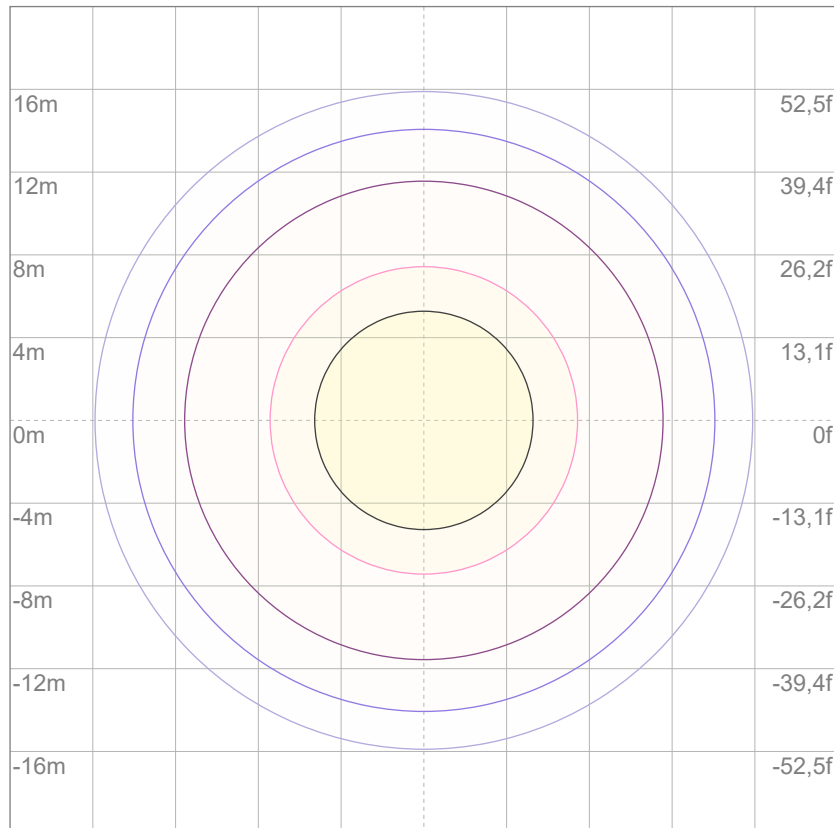
10%	5694 cd
20%	11389 cd
30%	17083 cd
40%	22777 cd
50%	28471 cd
60%	34166 cd
70%	39860 cd
80%	45554 cd

Conditions:

Number of c-planes: 2

Candela at center: 56943 cd

ISO LUX DIAGRAM



3%	17,1 lx
5%	28,5 lx
10%	56,9 lx
30%	171 lx
50%	285 lx

Conditions:

Number of c-planes: 2

Lux at center: 569 lx

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