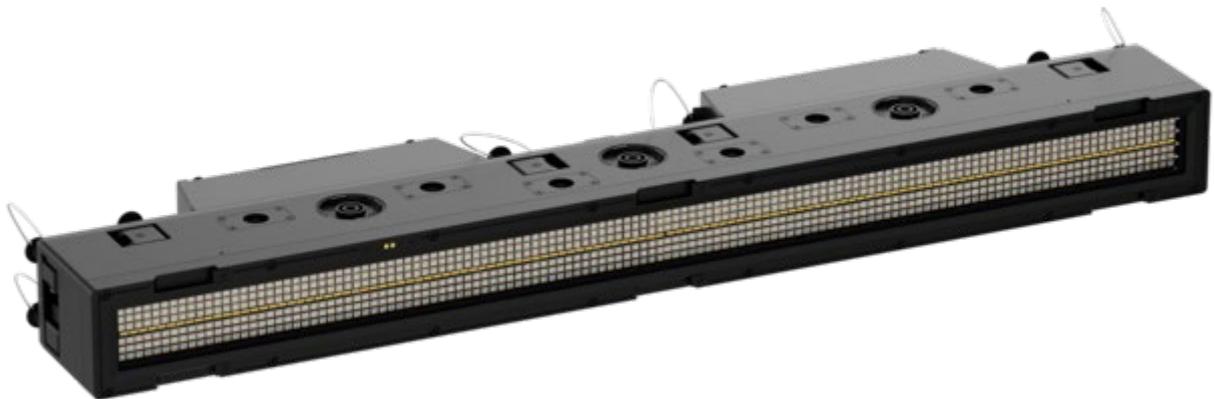


Photometric Test Report



SunBar FLX

IP65 linear LED Strobe with white beam +
RGB+WW plate, 1200W peak power

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Preset:	
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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

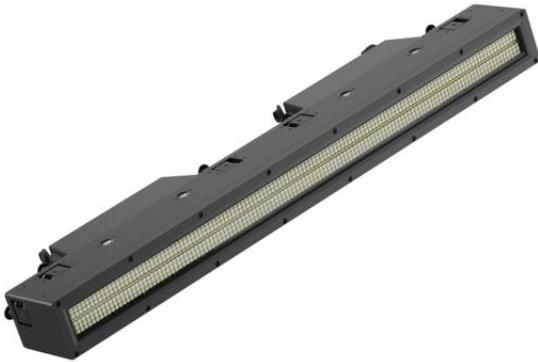
Prolights measurement instrument is a complete measurement system for any light source. It's equipped with two-axis goniometer, that enables to measure the full 3D distribution field of the light source. This instrument measures the light intensity, the beam angle and the most significative colors parameters, 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:

36557 lm

Peak candela output:

12859 cd

Light quality:

CRI: 89,4

Color temperature:

5688 K

PRODUCT NAME:

SUNBARFLX

MEASUREMENT CONDITIONS:

Beam angle:

Beam + plate

Target:

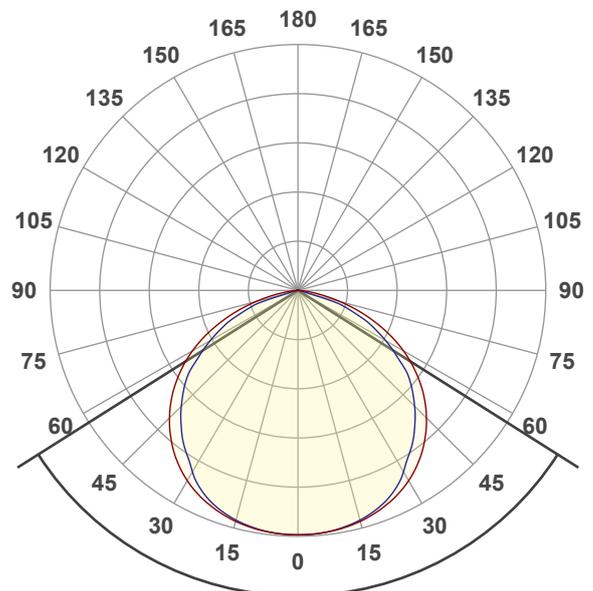
Full On

Operator:

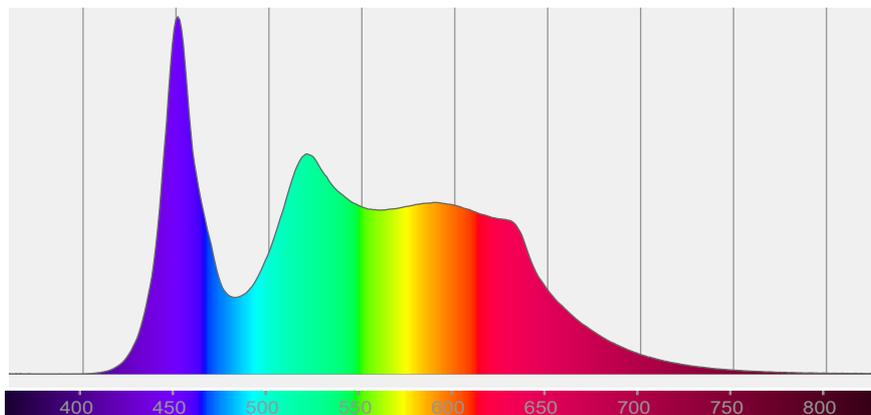
Giuseppe della Peruta

Date and time:

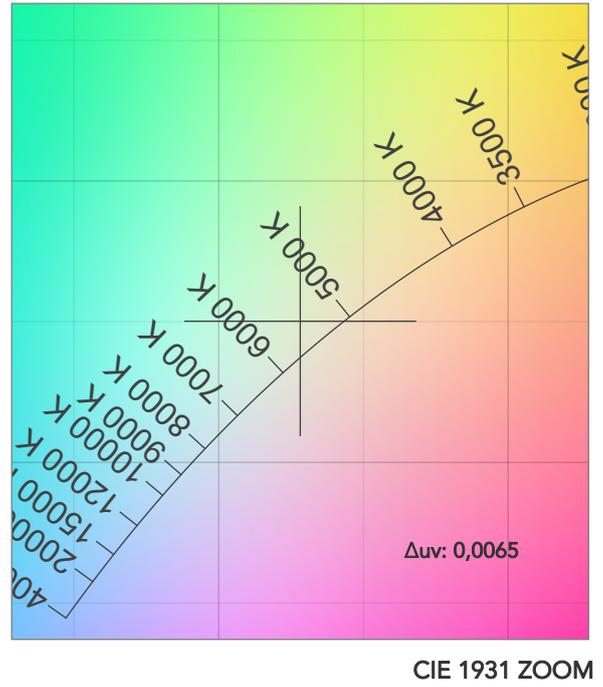
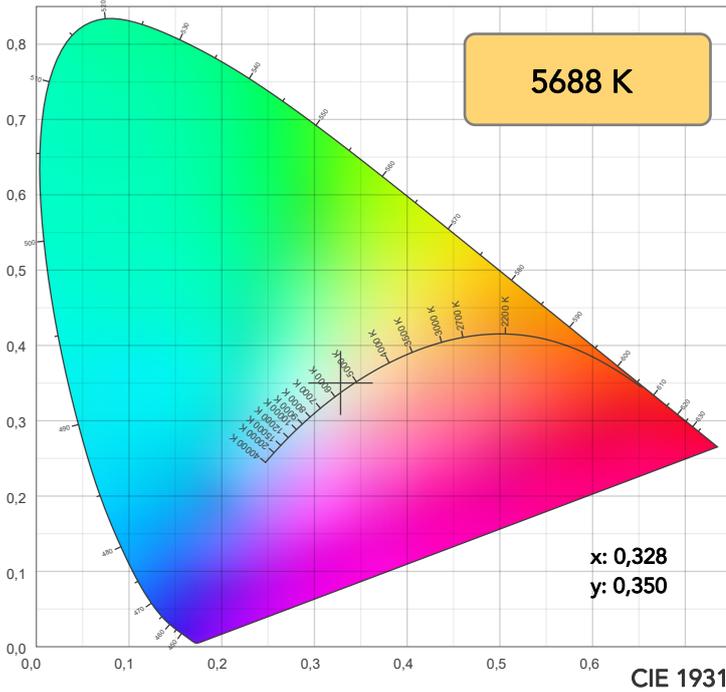
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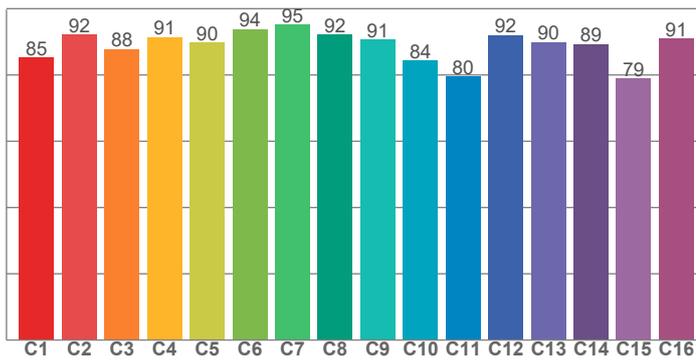
Spectra



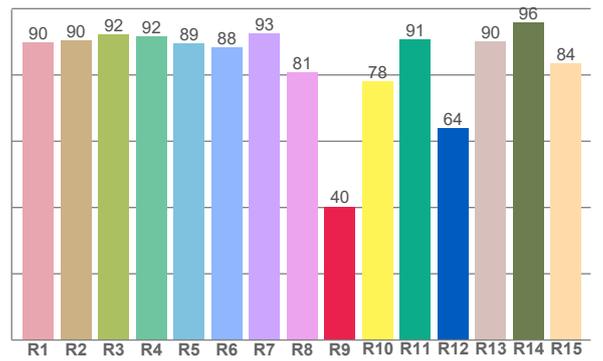
COLOR DETAILS



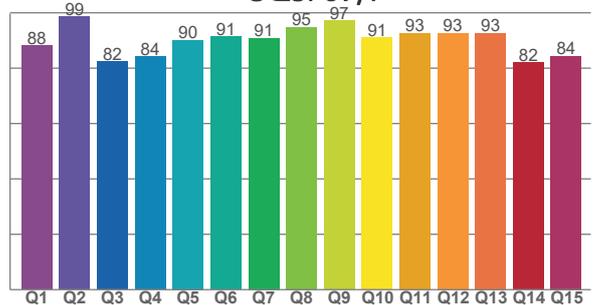
TM30: 88,7



CRI: 89,4 (R1-R8)



CQS: 89,1



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
89,9	90,4	92,2	91,5	89,5	88,2	92,6	80,8	40,3	78,2	90,6	64,0	90,2	95,8	83,6

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
85,2	92,2	87,8	91,5	89,8	93,8	95,2	92,2	90,7	84,3	79,6	92,0	90,0	89,4	78,9	91,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88,2	98,6	82,4	84,2	90,2	91,4	90,9	94,9	97,1	91,0	92,7	92,6	92,7	82,1	84,4

COLOR PARAMETERS

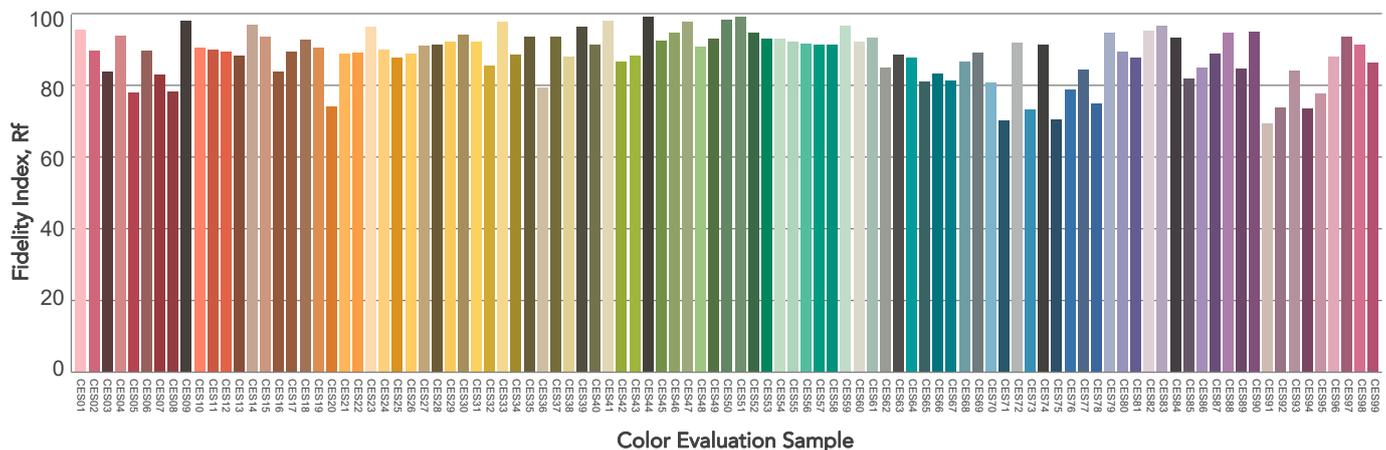
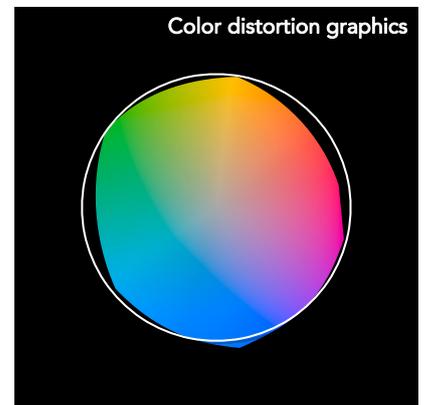
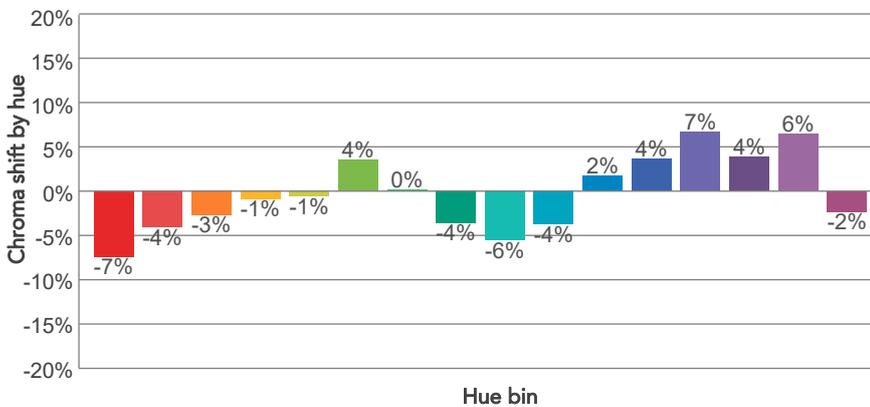
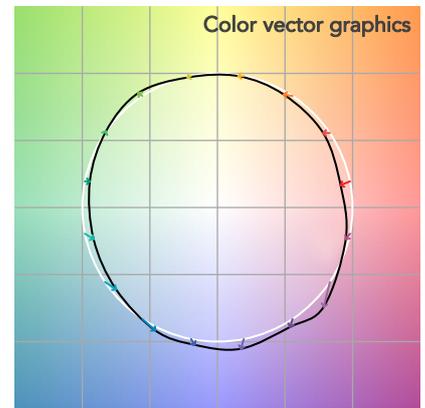
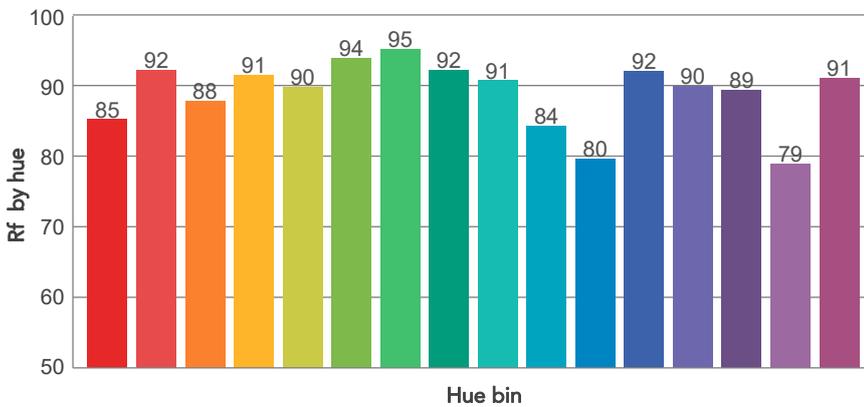
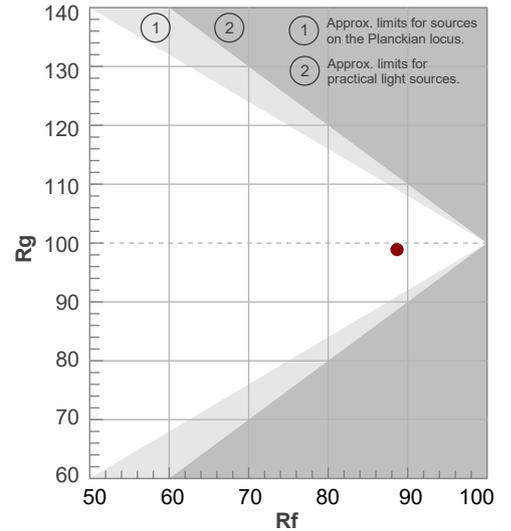
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5688 K	89,4	40,3	88,7	98,9	89,1	88	0,328	0,350	0,0065

TM30 DETAILS

Rf 88,7
Fidelity index Rf

Rg 98,9
Gammut index

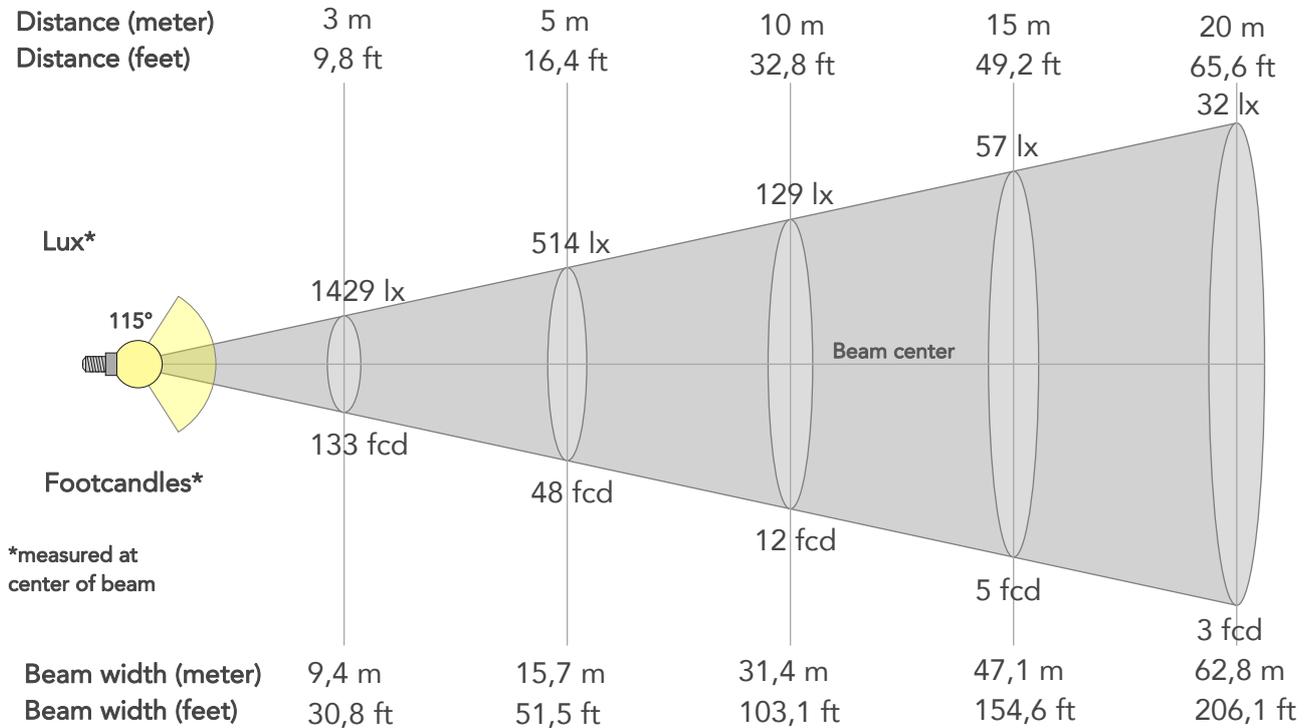
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	85	-7%	-1%
2	92	-4%	3%
3	88	-3%	6%
4	91	-1%	4%
5	90	-1%	3%
6	94	4%	1%
7	95	0%	-1%
8	92	-4%	-1%
9	91	-6%	5%
10	84	-4%	9%
11	80	2%	13%
12	92	4%	3%
13	90	7%	-3%
14	89	4%	-5%
15	79	6%	-18%
16	91	-2%	-5%



BEAM DETAILS



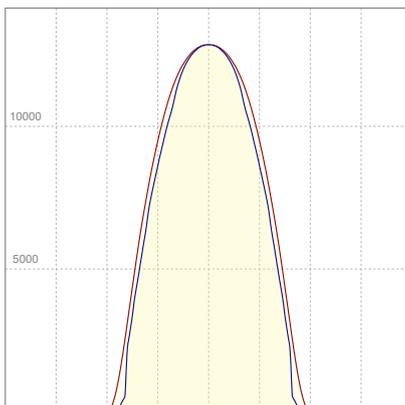
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
115°	152,2°	161,5°	82,4%	55,8%



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	12858lx	3215lx	1429lx	804lx	514lx	229lx	129lx	57lx	32lx	21lx	14lx	8lx	5lx
Footcand.	1195fcd	299fcd	133fcd	75fcd	48fcd	21fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	3,1m	6,3m	9,4m	12,6m	15,7m	23,6m	31,4m	47,1m	62,8m	78,5m	94,3m	125,7m	157,1m
Beam wid.	10,4ft	20,7ft	30,8ft	41,2ft	51,5ft	77,3ft	103,1ft	154,6ft	206,1ft	257,6ft	309,2ft	412,2ft	515,3ft

LINEAR DISTRIBUTION DIAGRAM

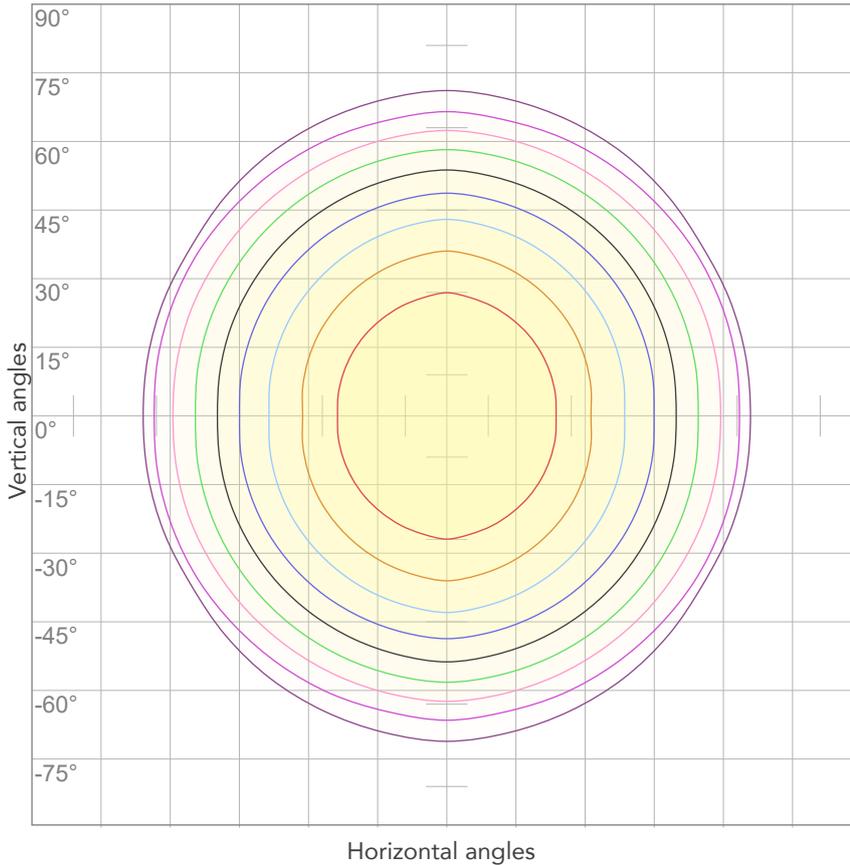


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	1,77A	398W	0,98	92lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



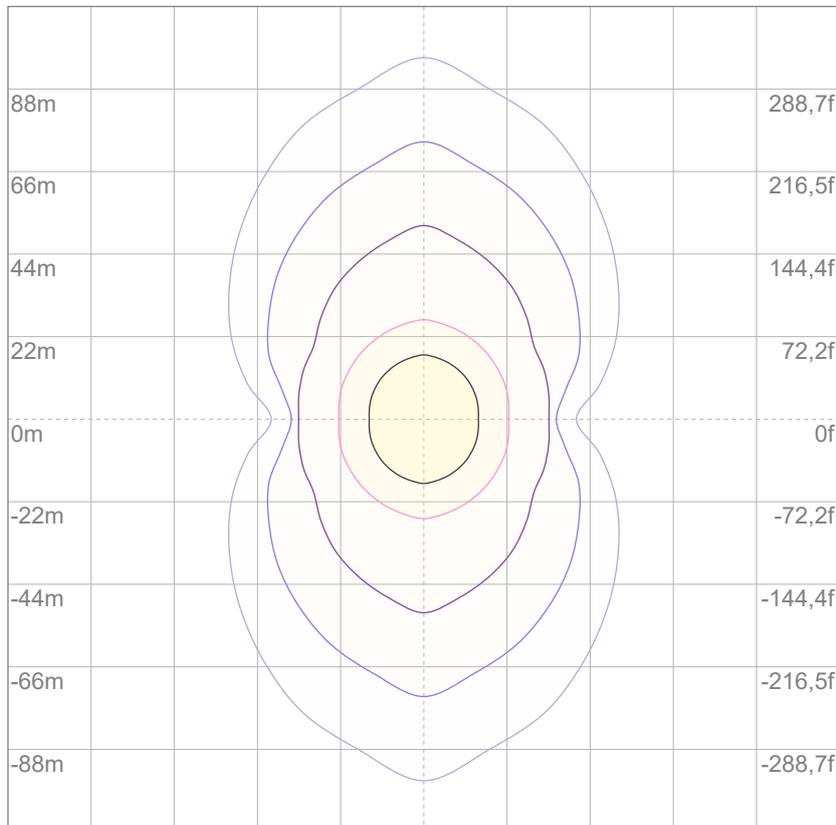
10%	1286 cd
20%	2572 cd
30%	3857 cd
40%	5143 cd
50%	6429 cd
60%	7715 cd
70%	9001 cd
80%	10287 cd

Conditions:

Number of c-planes: 4

Candela at center: 12858 cd

ISO LUX DIAGRAM



3%	3,86 lx
5%	6,43 lx
10%	12,9 lx
30%	38,6 lx
50%	64,3 lx

Conditions:

Number of c-planes: 4

Lux at center: 129 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

44786 lm

Peak candela output:

15271 cd

Light quality:

CRI: 84,0

Color temperature:

5764 K

PRODUCT NAME:

SUNBARFLX

MEASUREMENT CONDITIONS:

Beam angle:

Beam

Target:

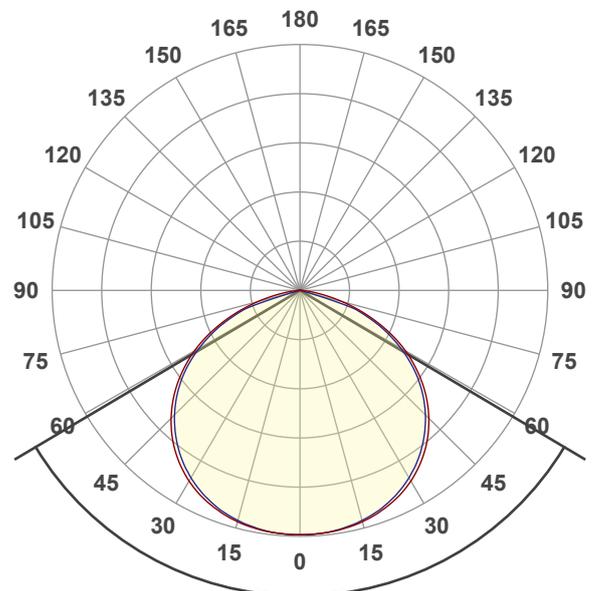
Full On

Operator:

Giuseppe della Peruta

Date and time:

23/02/2026 12:20:53

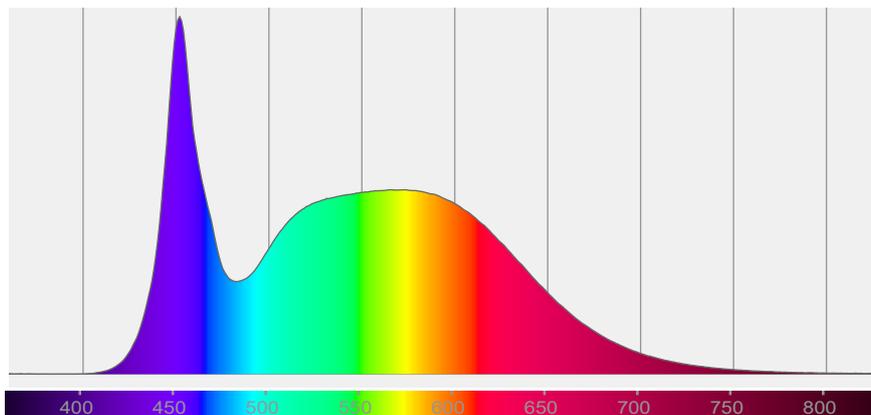


Beam angle 50%: 118,3°

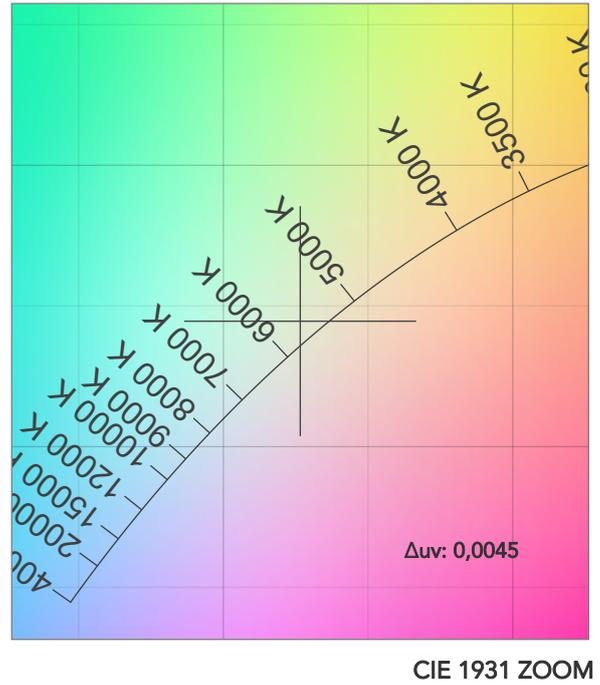
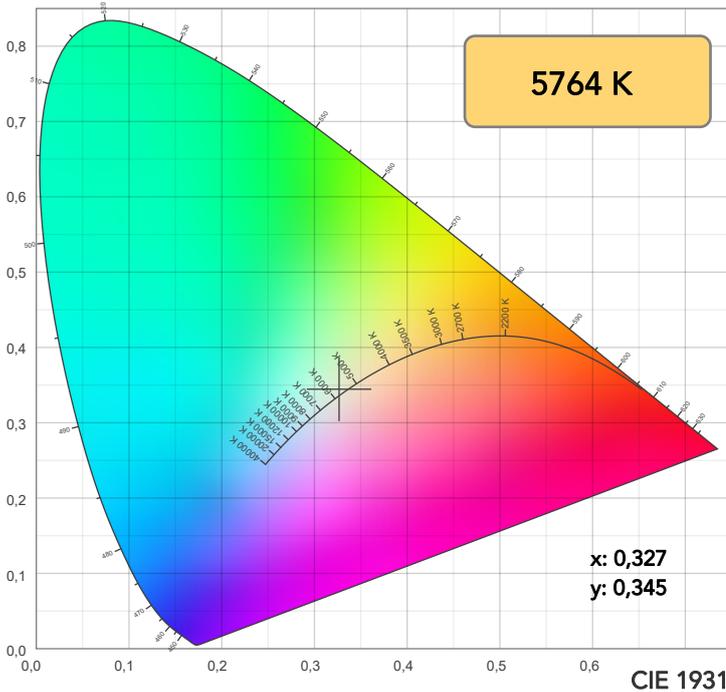
Field angle 10%: 152,2°

Cut off angle 2.5%: 159°

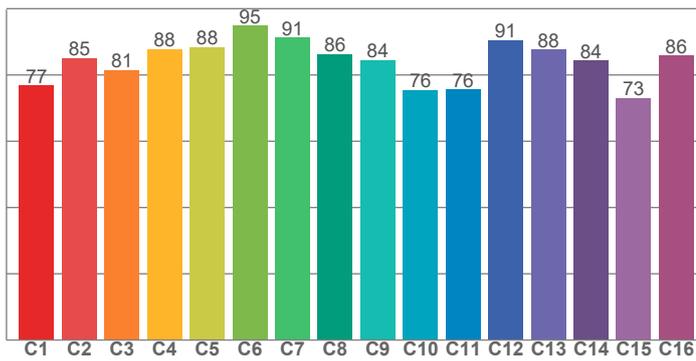
Spectra



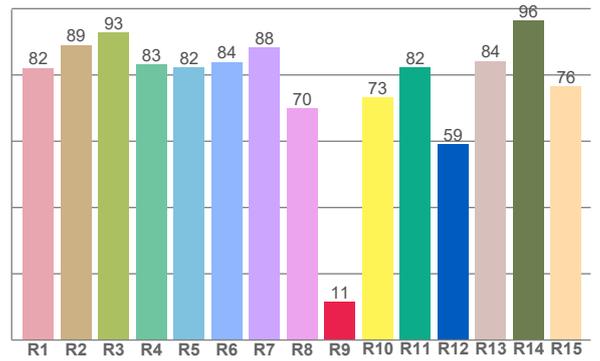
COLOR DETAILS



TM30: 84,1



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
82,1	89,0	92,9	83,1	82,3	83,9	88,4	69,9	11,5	73,2	82,3	59,2	84,3	96,4	76,5

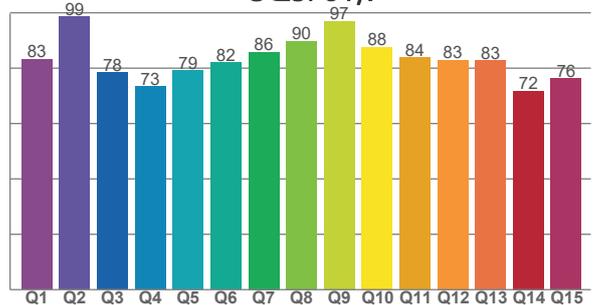
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
76,9	85,1	81,5	87,9	88,5	94,9	91,3	86,3	84,5	75,5	75,7	90,5	87,6	84,3	73,1	85,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83,2	98,6	78,4	73,3	79,2	82,0	85,8	89,8	97,0	87,7	83,8	83,0	82,8	71,8	76,3

CQS: 81,9



COLOR PARAMETERS

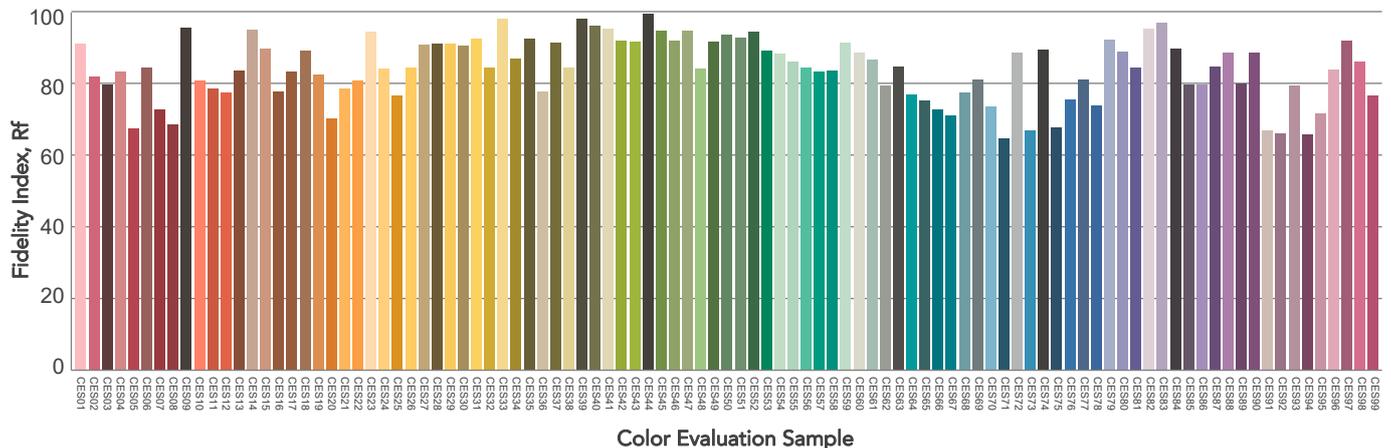
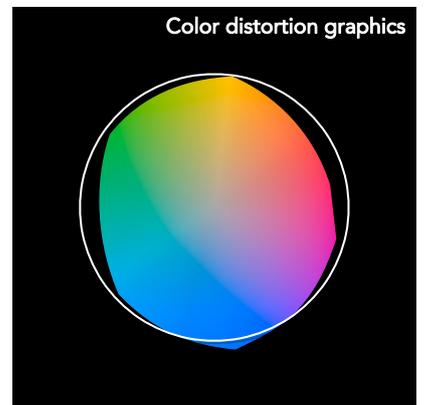
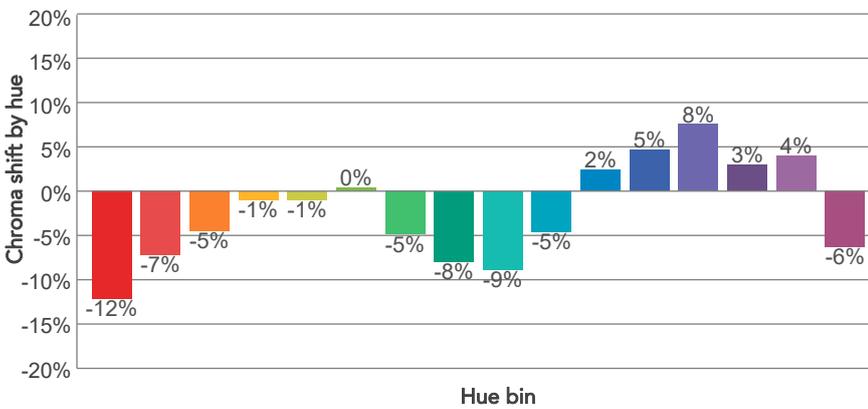
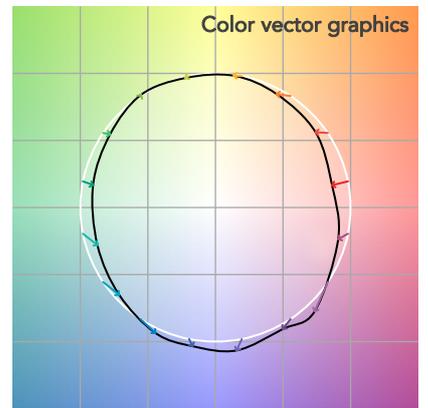
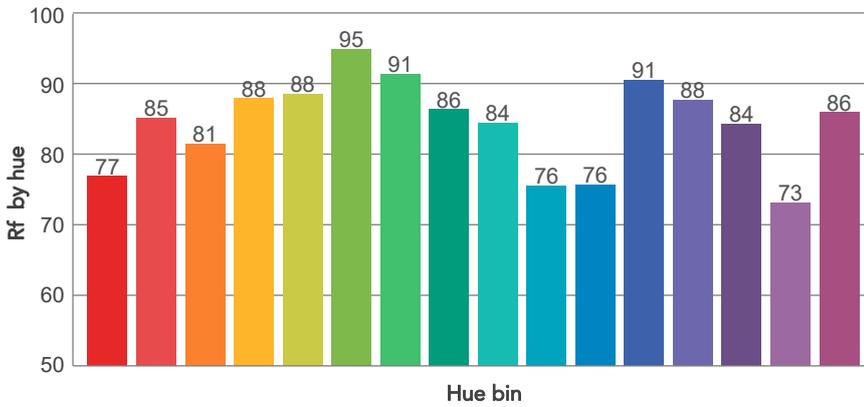
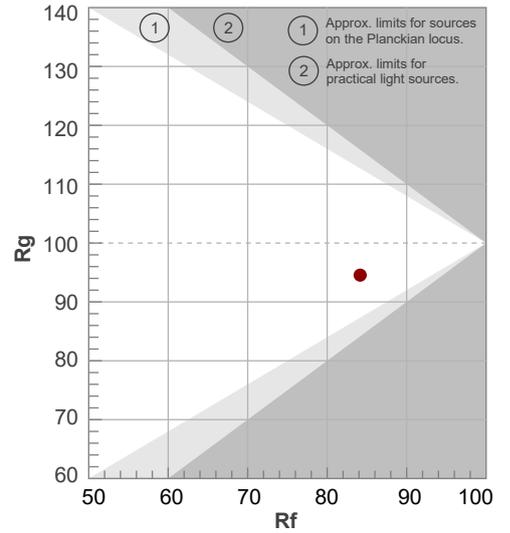
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5764 K	84,0	11,5	84,1	94,5	81,9	77	0,327	0,345	0,0045

TM30 DETAILS

Rf 84,1
Fidelity index Rf

Rg 94,5
Gammut index

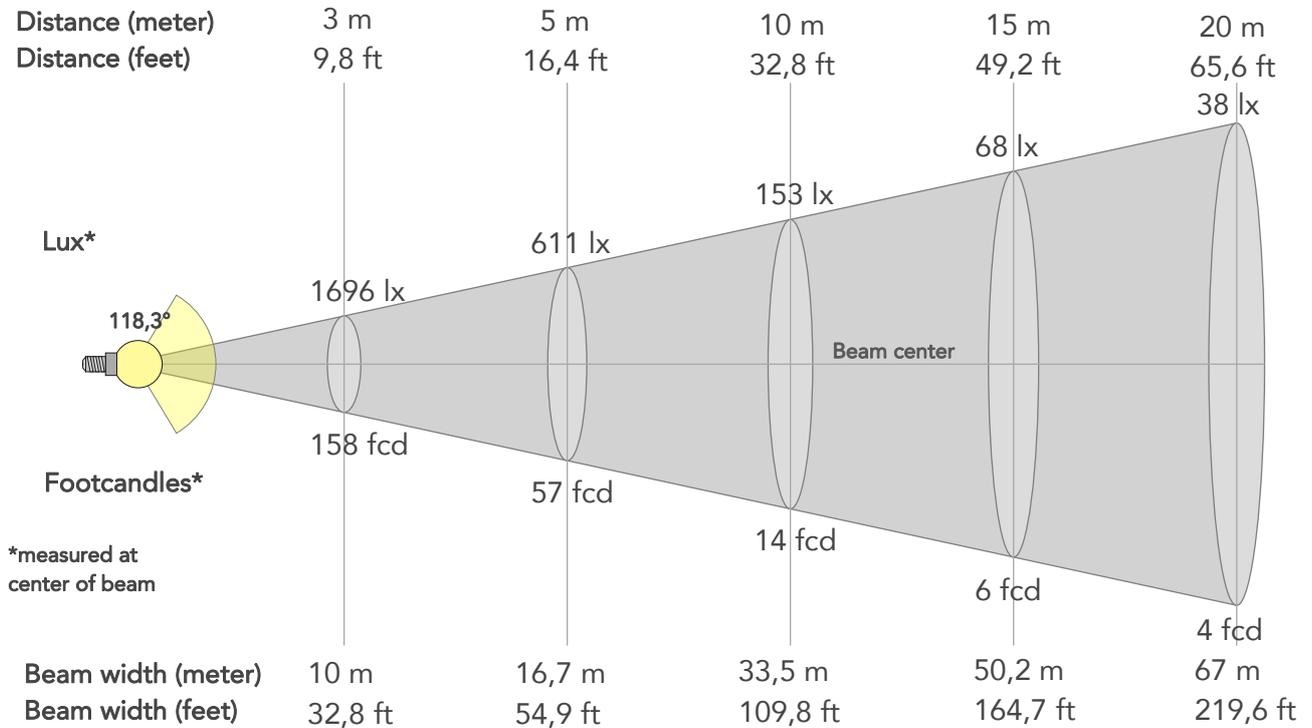
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	77	-12%	-1%
2	85	-7%	6%
3	81	-5%	9%
4	88	-1%	6%
5	88	-1%	3%
6	95	0%	-1%
7	91	-5%	-2%
8	86	-8%	1%
9	84	-9%	10%
10	76	-5%	14%
11	76	2%	15%
12	91	5%	4%
13	88	8%	-5%
14	84	3%	-9%
15	73	4%	-24%
16	86	-6%	-5%



BEAM DETAILS



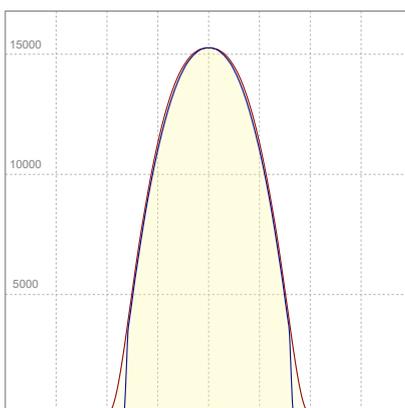
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
118,3°	152,2°	159°	82,0%	55,0%



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	15264lx	3816lx	1696lx	954lx	611lx	271lx	153lx	68lx	38lx	24lx	17lx	10lx	6lx
Footcand.	1418fcd	355fcd	158fcd	89fcd	57fcd	25fcd	14fcd	6fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	3,3m	6,7m	10m	13,4m	16,7m	25,1m	33,5m	50,2m	67m	83,7m	100,4m	133,9m	167,4m
Beam wid.	11ft	22,1ft	32,8ft	43,9ft	54,9ft	82,4ft	109,8ft	164,7ft	219,6ft	274,6ft	329,5ft	439,3ft	549,1ft

LINEAR DISTRIBUTION DIAGRAM

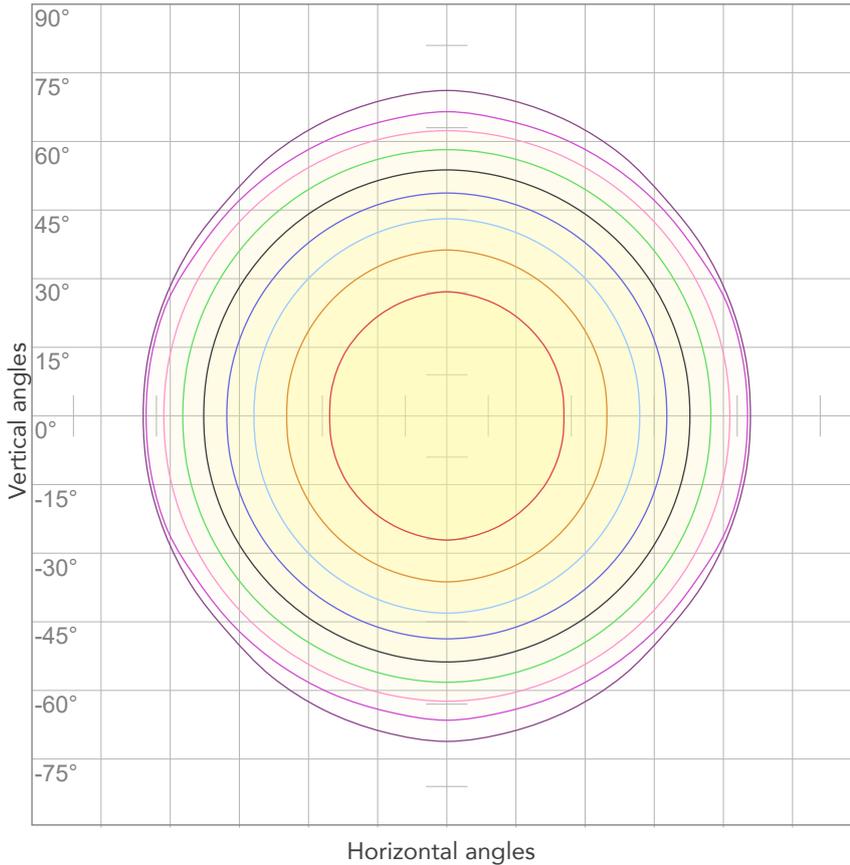


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	1,78A	399,6W	0,98	112lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



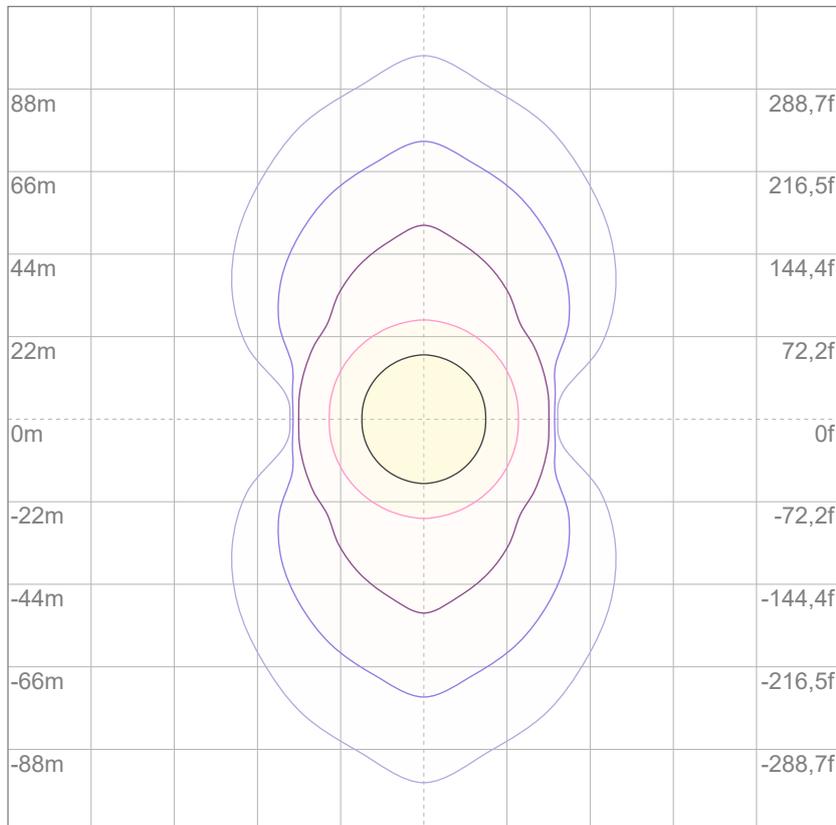
10%	1526 cd
20%	3053 cd
30%	4579 cd
40%	6106 cd
50%	7632 cd
60%	9159 cd
70%	10685 cd
80%	12211 cd

Conditions:

Number of c-planes: 4

Candela at center: 15264 cd

ISO LUX DIAGRAM



3%	4,58 lx
5%	7,63 lx
10%	15,3 lx
30%	45,8 lx
50%	76,3 lx

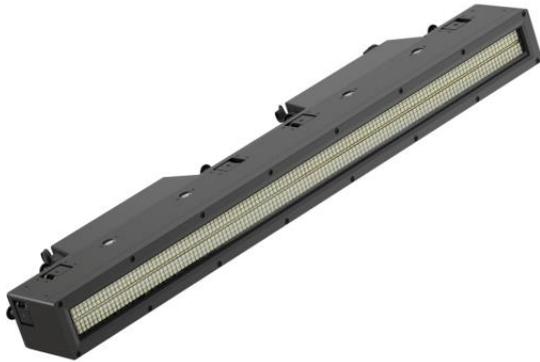
Conditions:

Number of c-planes: 4

Lux at center: 153 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

26787 lm

Peak candela output:

9932 cd

Light quality:

CRI: 93,0

Color temperature:

5709 K

PRODUCT NAME:

SUNBARFLX

MEASUREMENT CONDITIONS:

Beam angle:

Plate

Target:

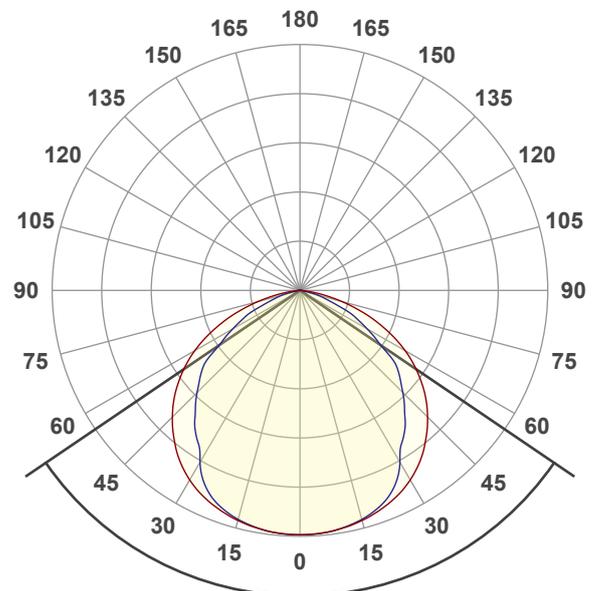
Full On

Operator:

Giuseppe della Peruta

Date and time:

23/02/2026 12:25:14

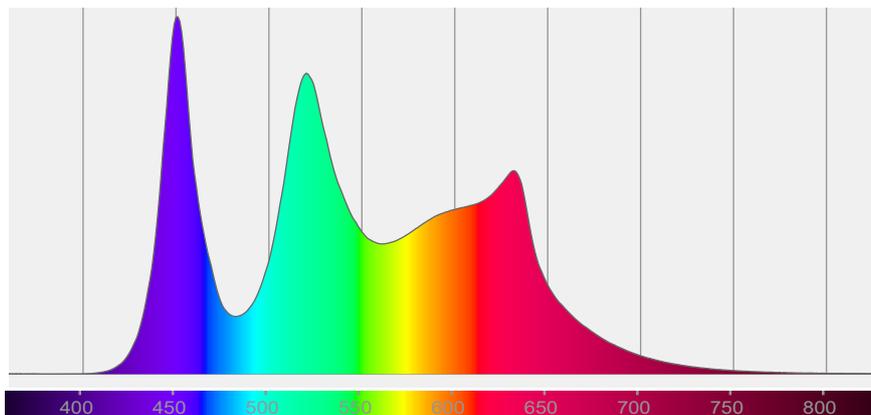


Beam angle 50%: 111,3°

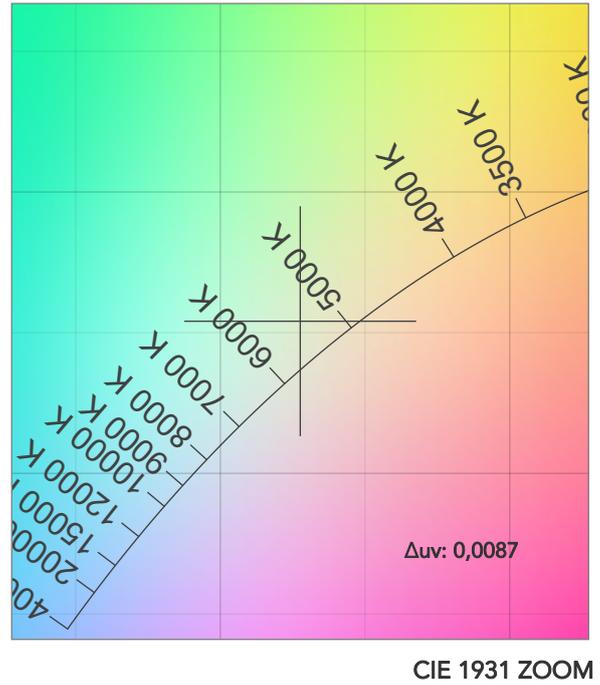
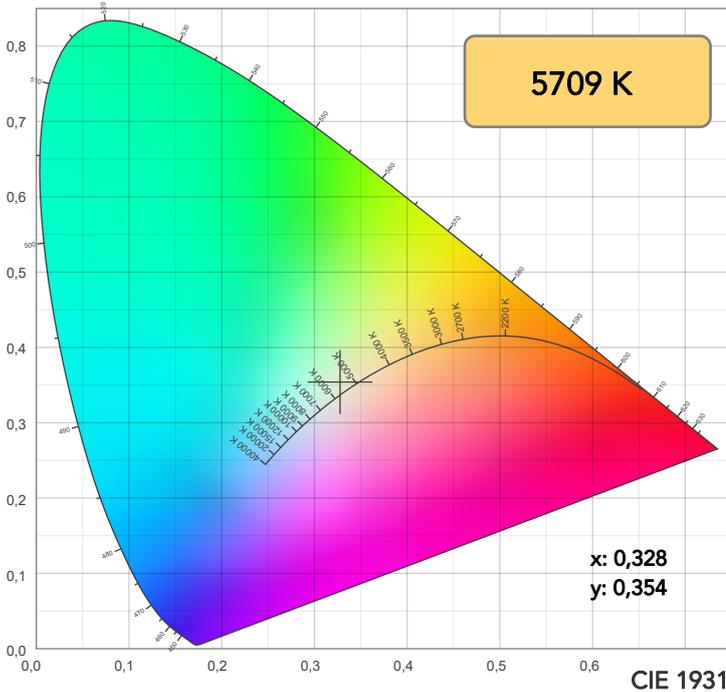
Field angle 10%: 151,5°

Cut off angle 2.5%: 163,6°

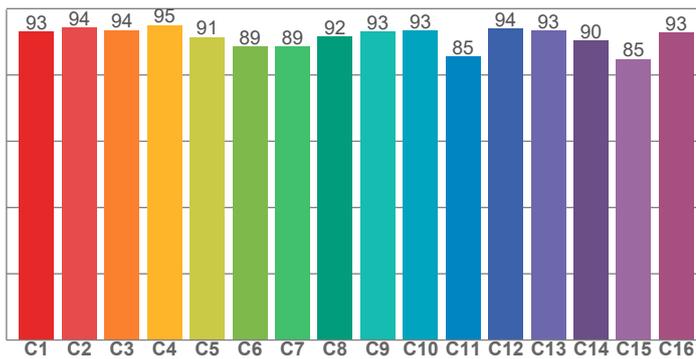
Spectra



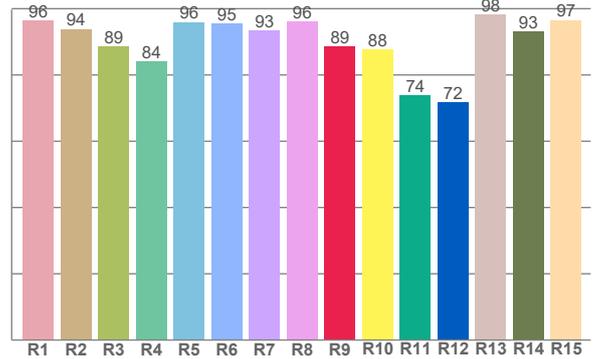
COLOR DETAILS



TM30: 91,3



CRI: 93,0 (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
96,4	93,9	88,7	84,0	96,0	95,5	93,4	96,2	88,6	87,8	73,9	71,8	98,2	93,0	96,6

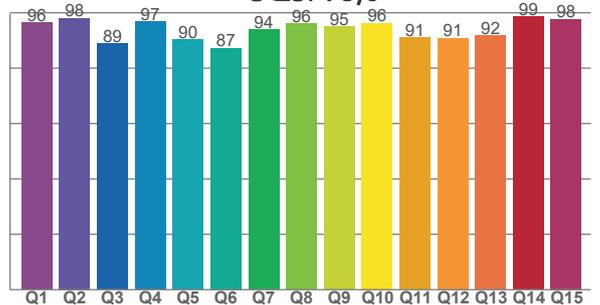
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,1	94,4	93,5	95,1	91,4	88,5	88,6	91,5	93,1	93,4	85,5	94,0	93,4	90,3	84,9	92,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,4	98,0	88,9	96,9	90,3	87,3	93,9	96,1	95,1	96,3	91,1	90,8	91,8	98,5	97,7

CQS: 93,0



COLOR PARAMETERS

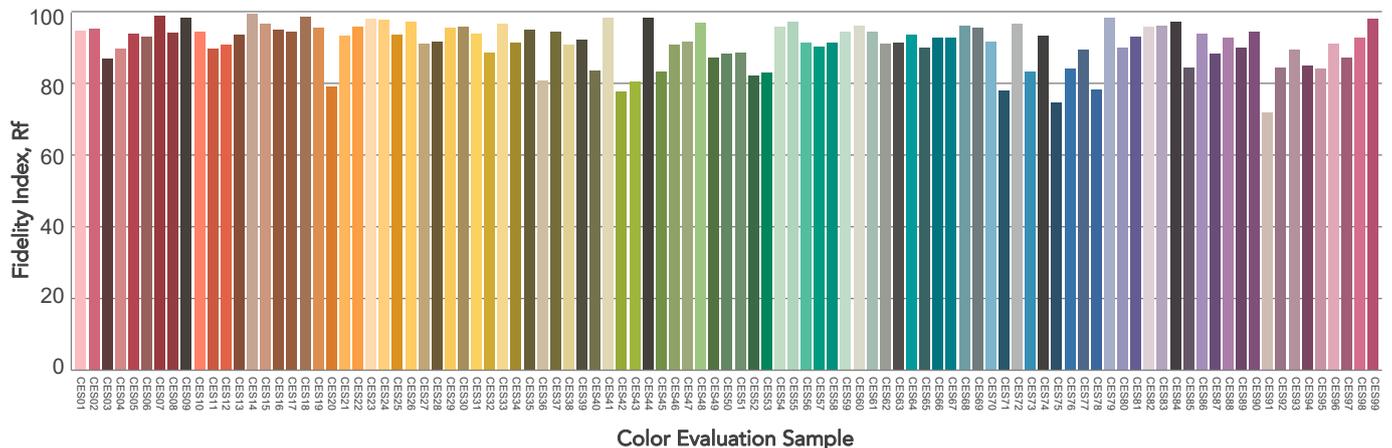
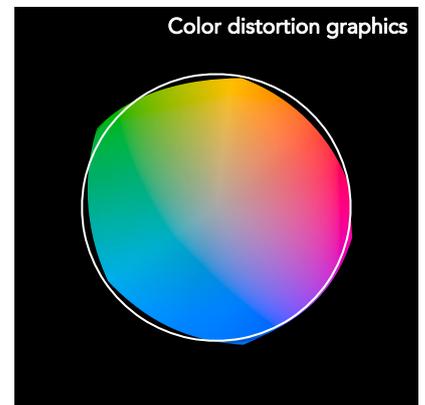
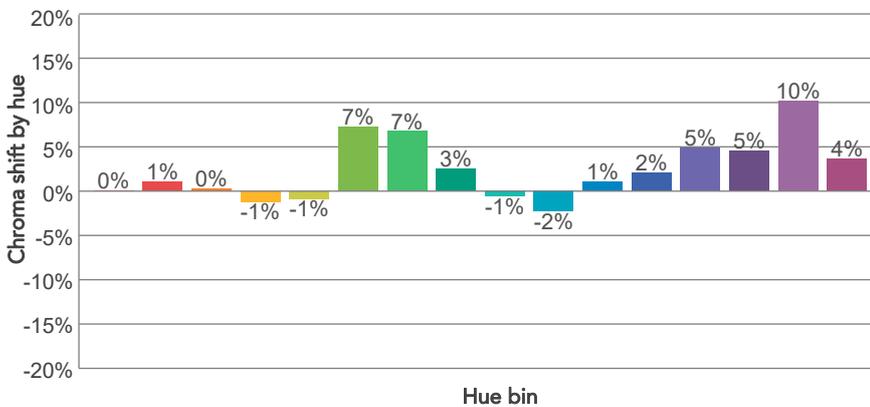
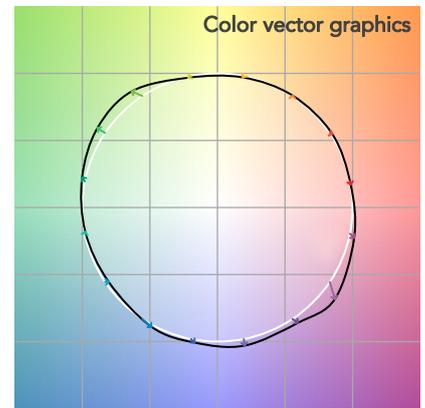
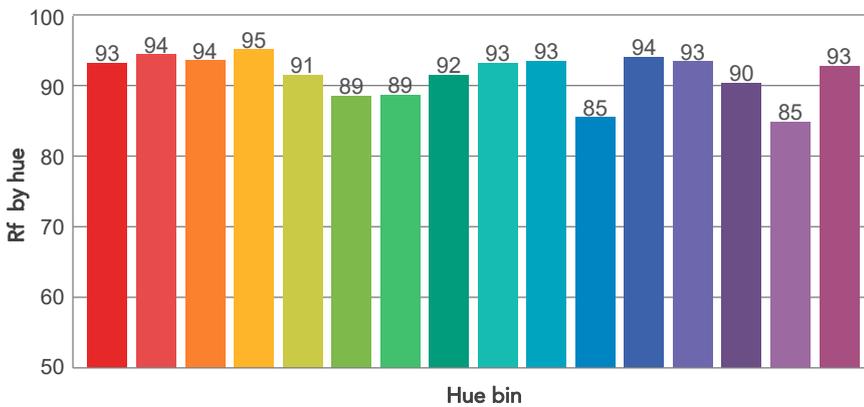
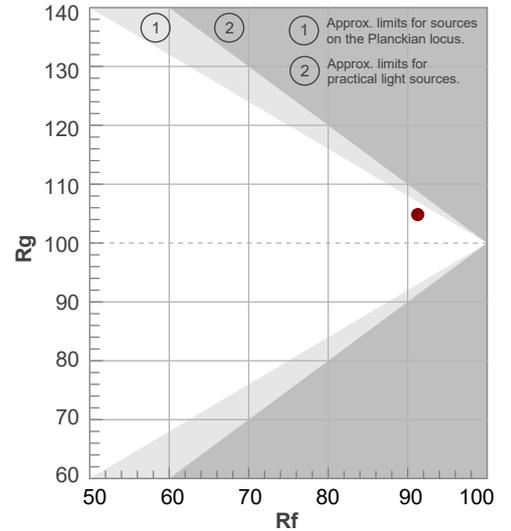
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5709 K	93,0	88,6	91,3	104,8	93,0	82	0,328	0,354	0,0087

TM30 DETAILS

Rf 91,3
Fidelity index Rf

Rg 104,8
Gammut index

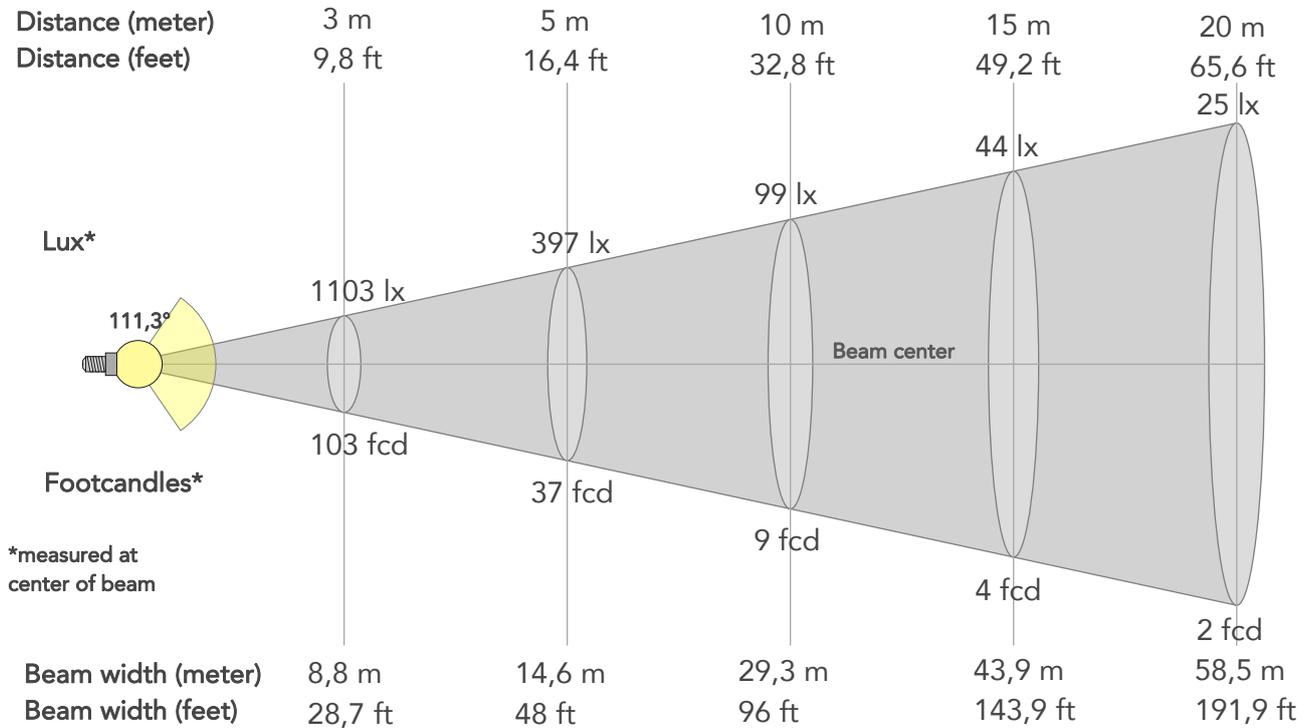
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	0%	-2%
2	94	1%	-2%
3	94	0%	0%
4	95	-1%	0%
5	91	-1%	2%
6	89	7%	5%
7	89	7%	0%
8	92	3%	-2%
9	93	-1%	-1%
10	93	-2%	1%
11	85	1%	9%
12	94	2%	3%
13	93	5%	0%
14	90	5%	2%
15	85	10%	-8%
16	93	4%	-2%



BEAM DETAILS



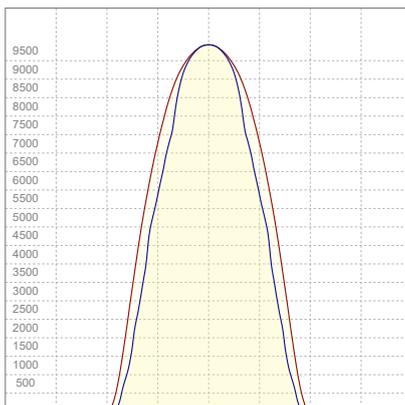
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
111,3°	151,5°	163,6°	83,1%	57,2%



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	9930lx	2483lx	1103lx	621lx	397lx	177lx	99lx	44lx	25lx	16lx	11lx	6lx	4lx
Footcand.	923fcd	231fcd	103fcd	58fcd	37fcd	16fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	2,9m	5,9m	8,8m	11,7m	14,6m	21,9m	29,3m	43,9m	58,5m	73,1m	87,8m	117m	146,3m
Beam wid.	9,7ft	19,3ft	28,7ft	38,3ft	48ft	72ft	96ft	143,9ft	191,9ft	239,9ft	287,9ft	383,9ft	479,8ft

LINEAR DISTRIBUTION DIAGRAM

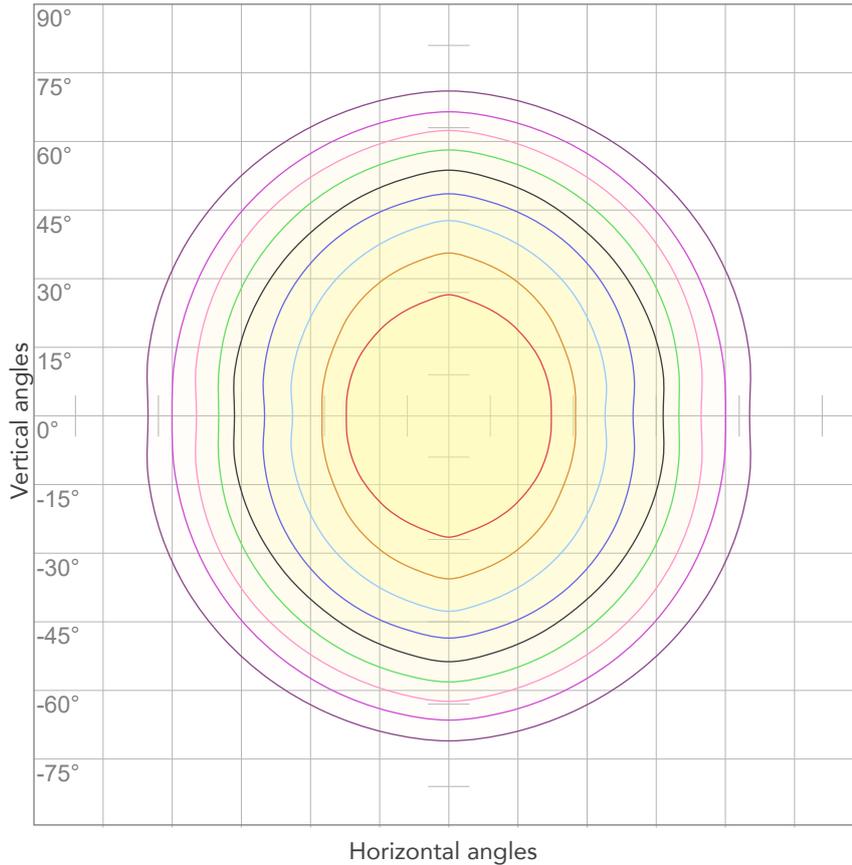


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	1,73A	387,7W	0,98	69lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



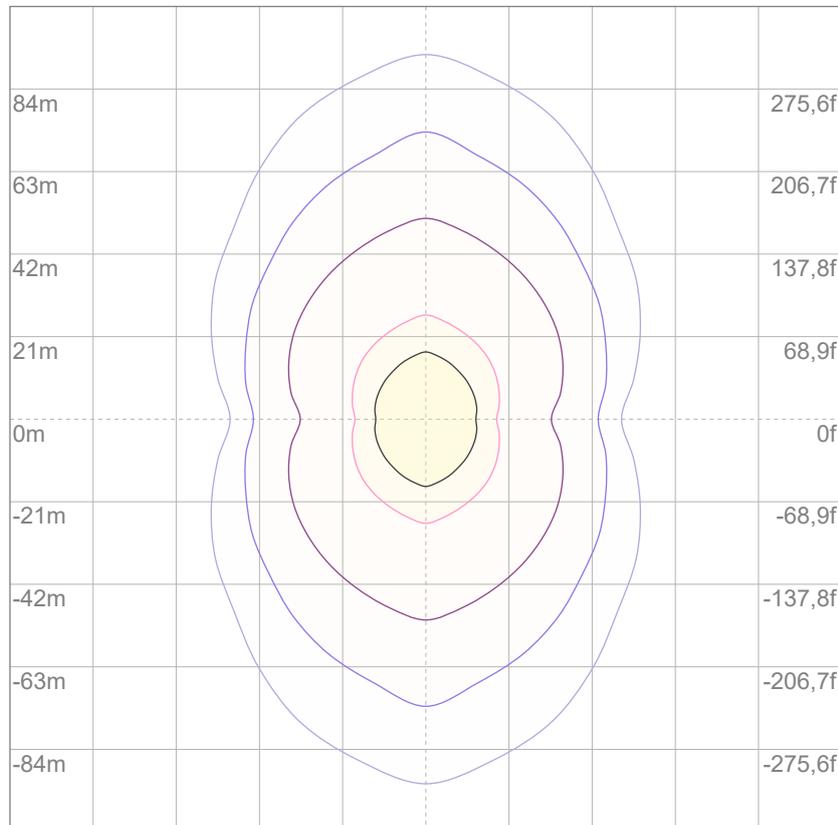
10%	993 cd
20%	1986 cd
30%	2979 cd
40%	3972 cd
50%	4965 cd
60%	5958 cd
70%	6951 cd
80%	7944 cd

Conditions:

Number of c-planes: 4

Candela at center: 9930 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	2,98 lx
5%	4,97 lx
10%	9,93 lx
30%	29,8 lx
50%	49,7 lx

Conditions:

Number of c-planes: 4

Lux at center: 99,3 lx

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



Total lumen output:

7282 lm

Peak candela output:

2475 cd

PRODUCT NAME:

SUNBARFLX

MEASUREMENT CONDITIONS:

Beam angle:

Plate

Target:

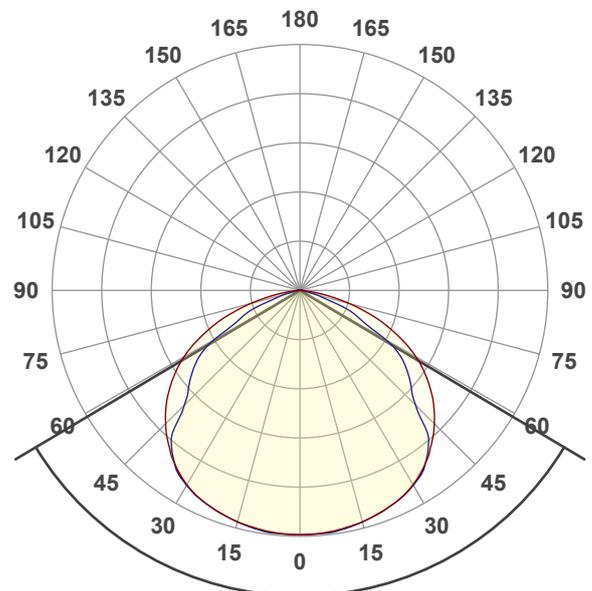
Red

Operator:

Giuseppe della Peruta

Date and time:

23/02/2026 12:29:53

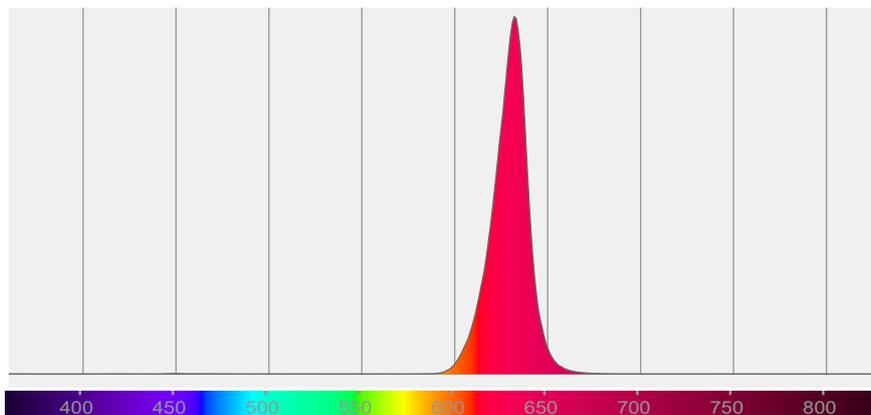


Beam angle 50%: 118,2°

Field angle 10%: 152,2°

Cut off angle 2.5%: 163,7°

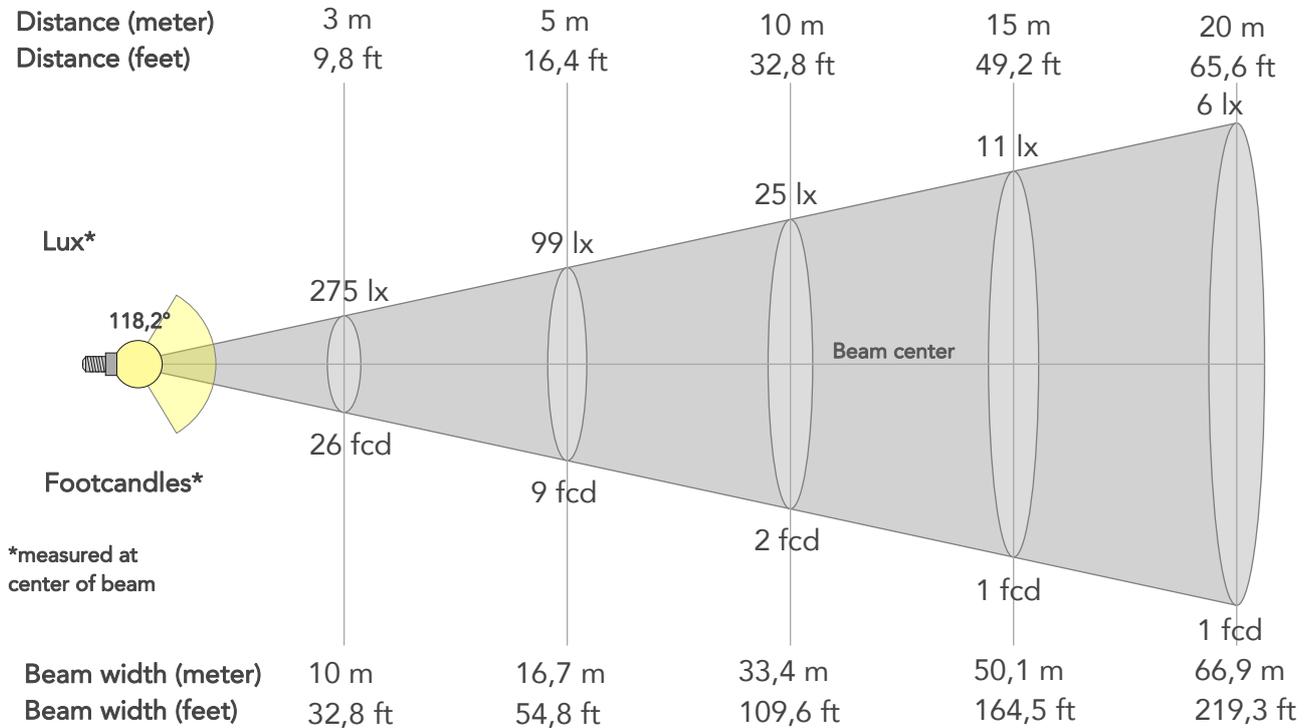
Spectra



BEAM DETAILS



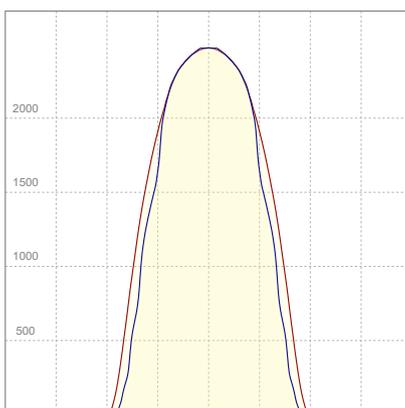
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
118,2°	152,2°	163,7°	82,5%	55,9%



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	2474lx	619lx	275lx	155lx	99lx	44lx	25lx	11lx	6lx	4lx	3lx	2lx	1lx
Footcand.	230fcd	57fcd	26fcd	14fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	3,3m	6,7m	10m	13,4m	16,7m	25,1m	33,4m	50,1m	66,9m	83,6m	100,3m	133,7m	167,1m
Beam wid.	11ft	22,1ft	32,8ft	43,8ft	54,8ft	82,2ft	109,6ft	164,5ft	219,3ft	274,1ft	328,9ft	438,5ft	548,2ft

LINEAR DISTRIBUTION DIAGRAM

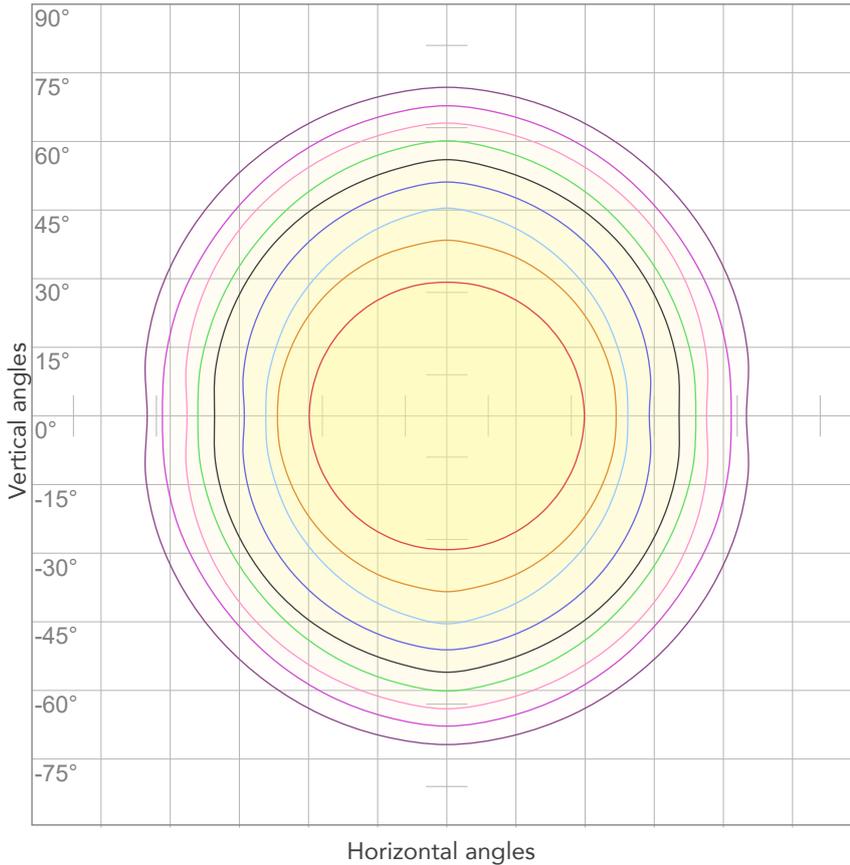


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
230V	0,736A	162,7W	0,96	45lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



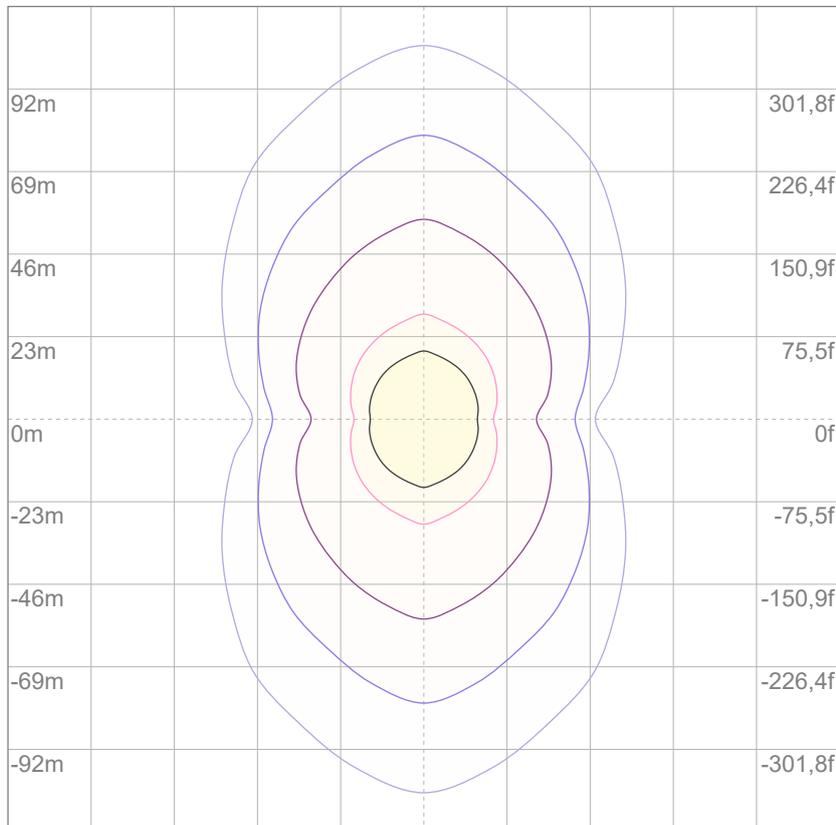
10%	247 cd
20%	495 cd
30%	742 cd
40%	990 cd
50%	1237 cd
60%	1484 cd
70%	1732 cd
80%	1979 cd

Conditions:

Number of c-planes: 4

Candela at center: 2474 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,742 lx
5%	1,24 lx
10%	2,47 lx
30%	7,42 lx
50%	12,4 lx

Conditions:

Number of c-planes: 4

Lux at center: 24,7 lx

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



Total lumen output:

20661 lm

Peak candela output:

6697 cd

PRODUCT NAME:

SUNBARFLX

MEASUREMENT CONDITIONS:

Beam angle:

Plate

Target:

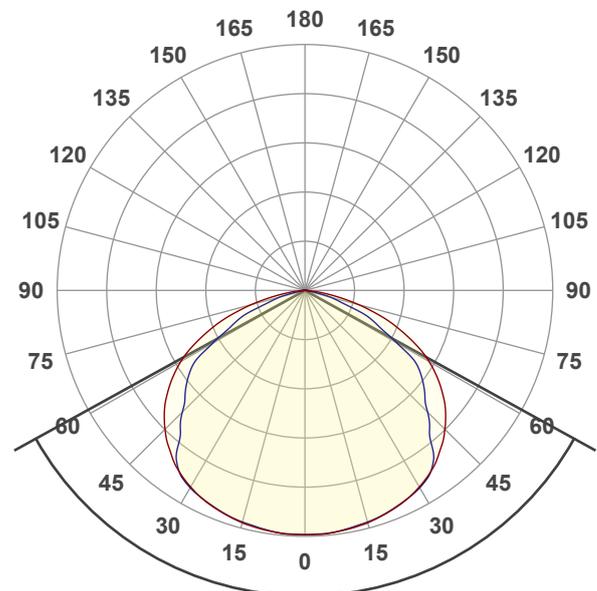
Green

Operator:

Giuseppe della Peruta

Date and time:

23/02/2026 12:34:27

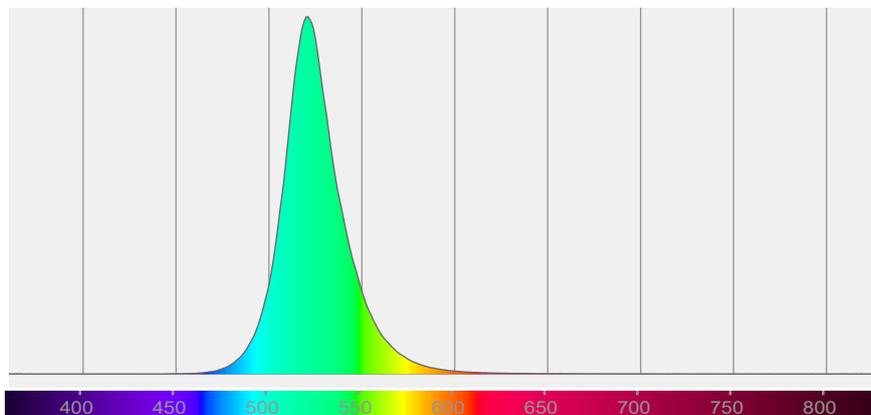


Beam angle 50%: 121,9°

Field angle 10%: 155,8°

Cut off angle 2.5%: 164,7°

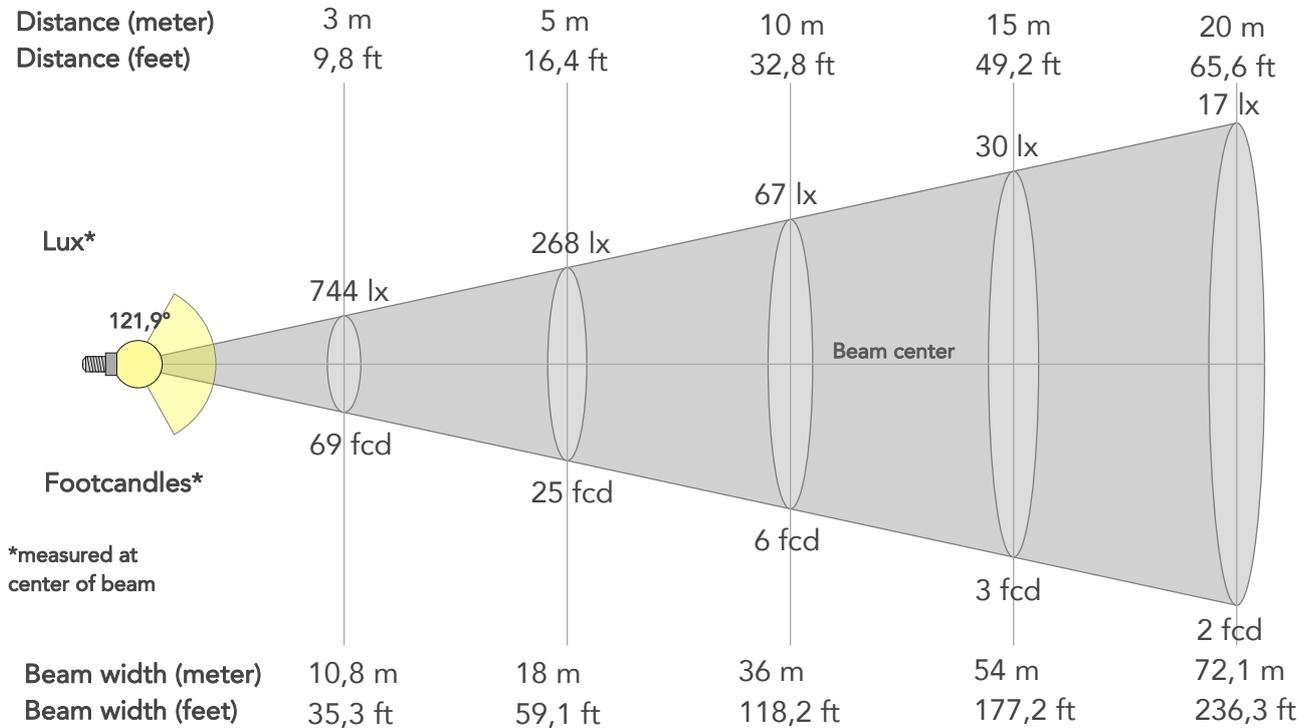
Spectra



BEAM DETAILS



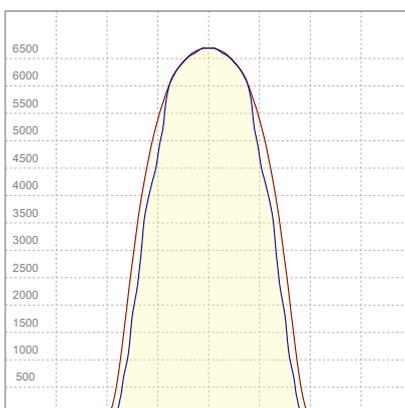
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
121,9°	155,8°	164,7°	81,0%	53,9%



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	6693lx	1673lx	744lx	418lx	268lx	119lx	67lx	30lx	17lx	11lx	7lx	4lx	3lx
Footcand.	622fcd	155fcd	69fcd	39fcd	25fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	3,6m	7,2m	10,8m	14,4m	18m	27m	36m	54m	72,1m	90,1m	108,1m	144,1m	180,1m
Beam wid.	11,9ft	23,8ft	35,3ft	47,2ft	59,1ft	88,6ft	118,2ft	177,2ft	236,3ft	295,4ft	354,5ft	472,7ft	590,8ft

LINEAR DISTRIBUTION DIAGRAM

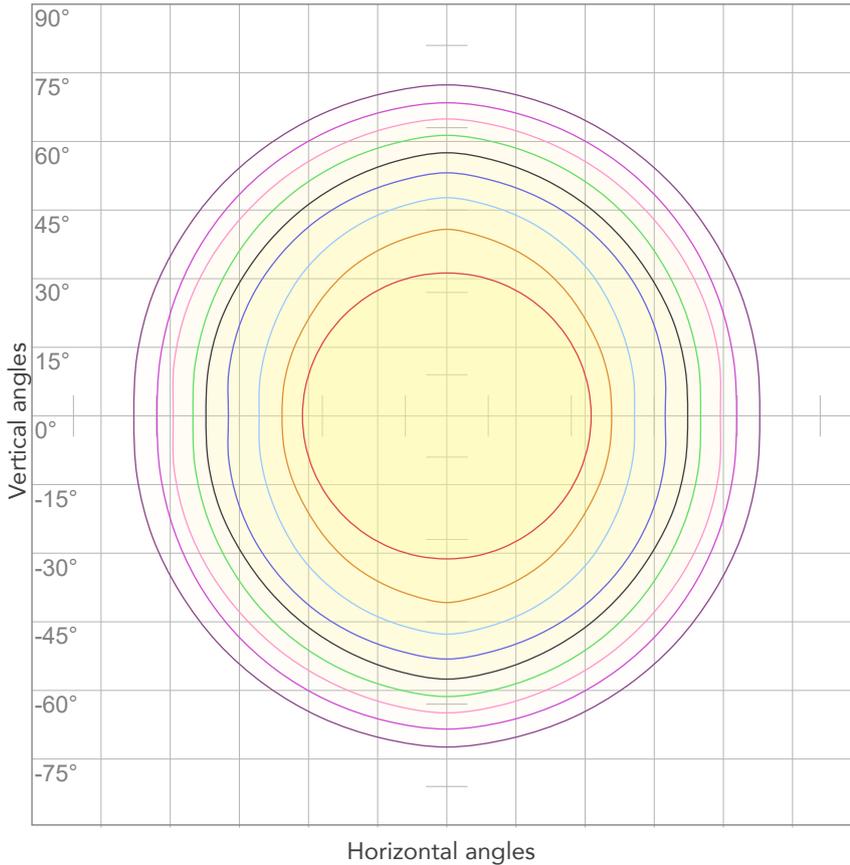


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
229V	1,49A	332,7W	0,98	62lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



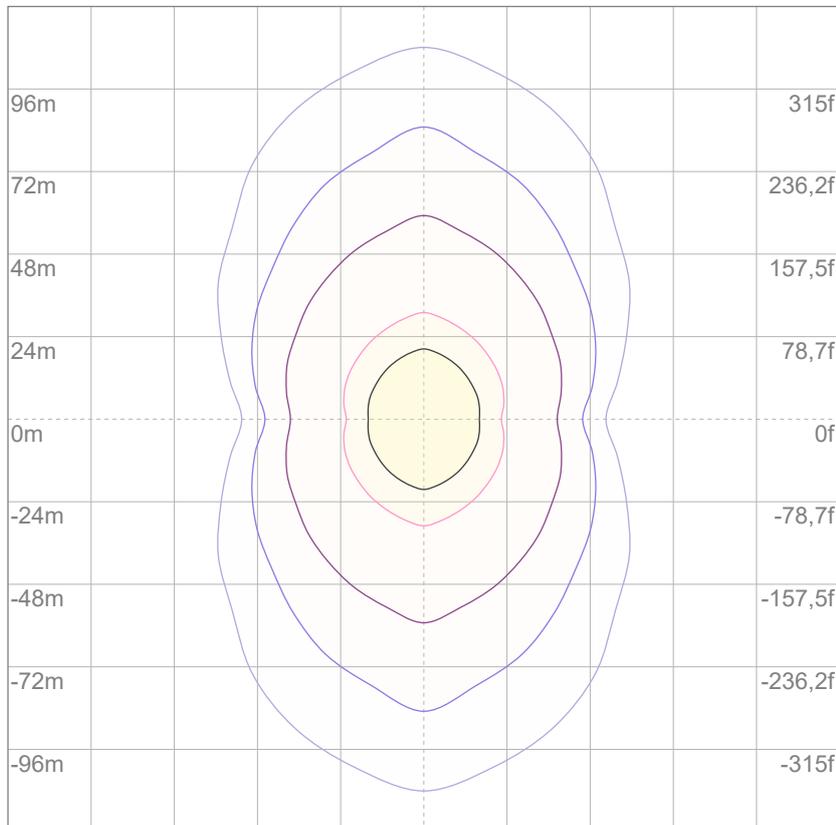
10%	669 cd
20%	1339 cd
30%	2008 cd
40%	2677 cd
50%	3346 cd
60%	4016 cd
70%	4685 cd
80%	5354 cd

Conditions:

Number of c-planes: 4

Candela at center: 6693 cd

ISO LUX DIAGRAM



3%	2,01 lx
5%	3,35 lx
10%	6,69 lx
30%	20,1 lx
50%	33,5 lx

Conditions:

Number of c-planes: 4

Lux at center: 66,9 lx

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



Total lumen output:

3405 lm

Peak candela output:

1121 cd

PRODUCT NAME:

SUNBARFLX

MEASUREMENT CONDITIONS:

Beam angle:

Plate

Target:

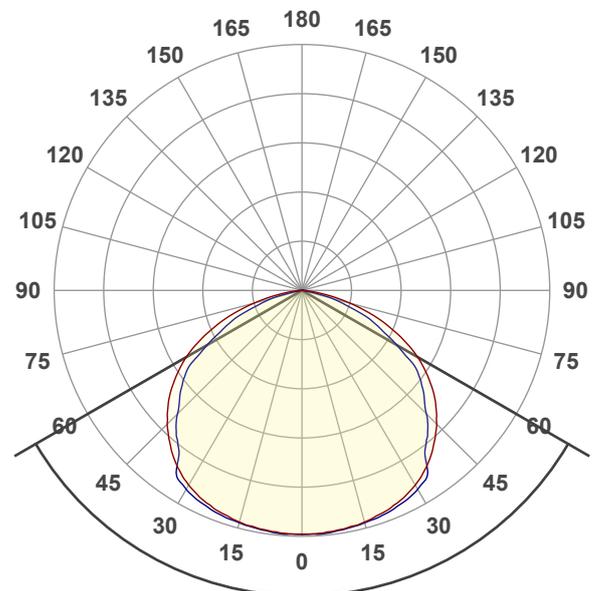
Blue

Operator:

Giuseppe della Peruta

Date and time:

23/02/2026 12:39:37

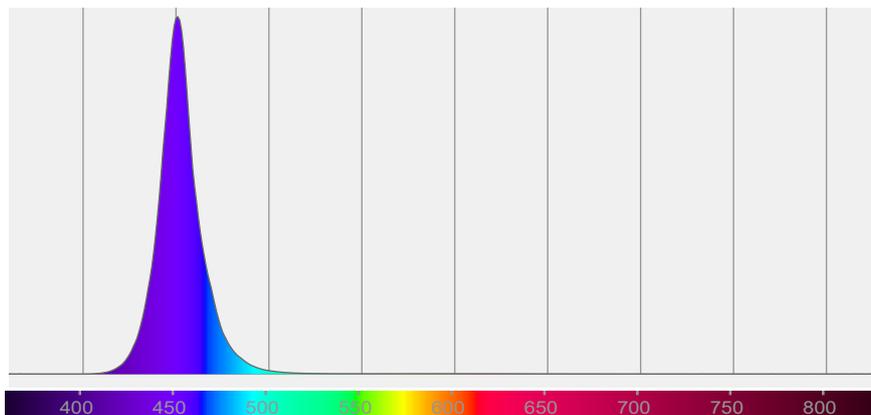


Beam angle 50%: 119,7°

Field angle 10%: 156,1°

Cut off angle 2.5%: 165°

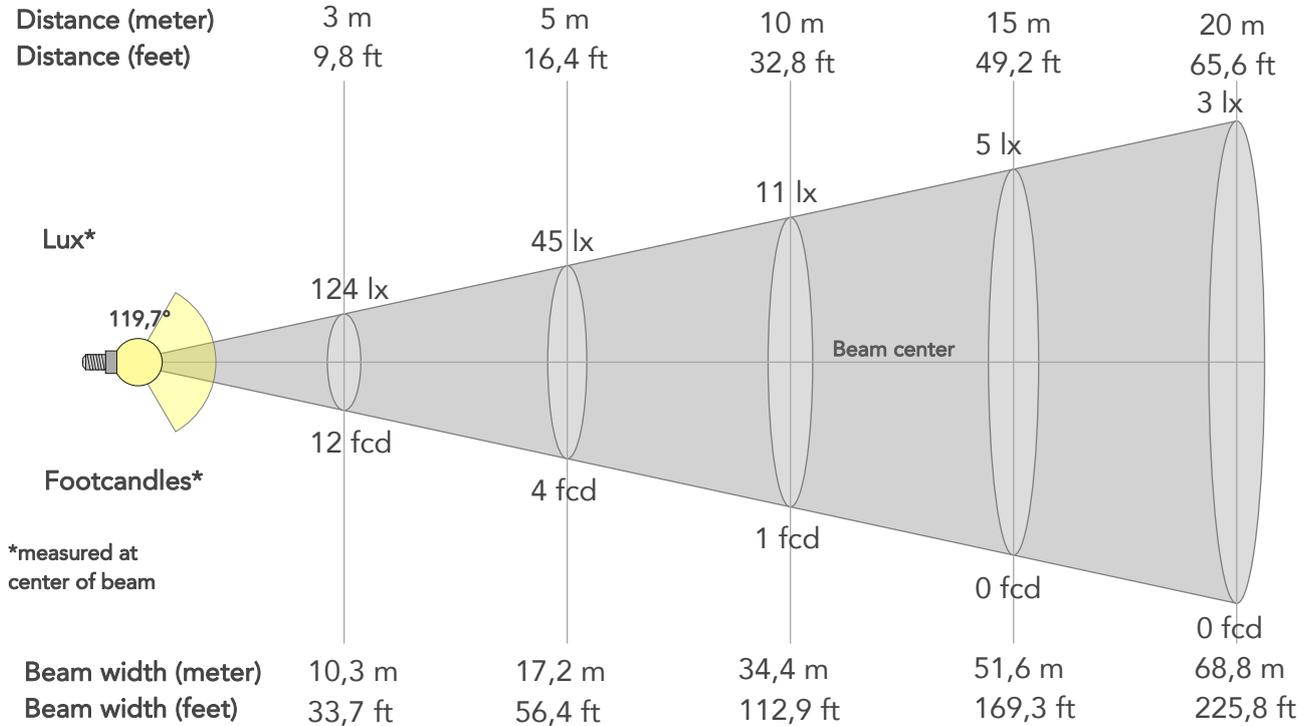
Spectra



BEAM DETAILS



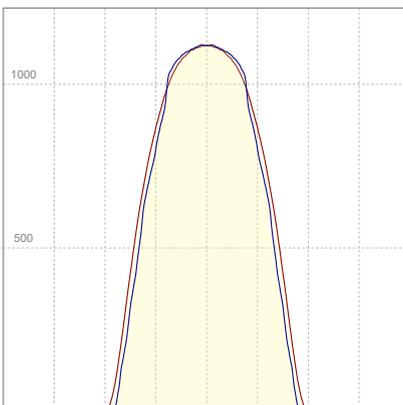
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
119,7°	156,1°	165°	81,2%	54,4%



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	1118lx	280lx	124lx	70lx	45lx	20lx	11lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	104fcd	26fcd	12fcd	6fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	3,4m	6,9m	10,3m	13,8m	17,2m	25,8m	34,4m	51,6m	68,8m	86m	103,2m	137,7m	172,1m
Beam wid.	11,4ft	22,7ft	33,7ft	45,1ft	56,4ft	84,7ft	112,9ft	169,3ft	225,8ft	282,2ft	338,7ft	451,5ft	564,4ft

LINEAR DISTRIBUTION DIAGRAM

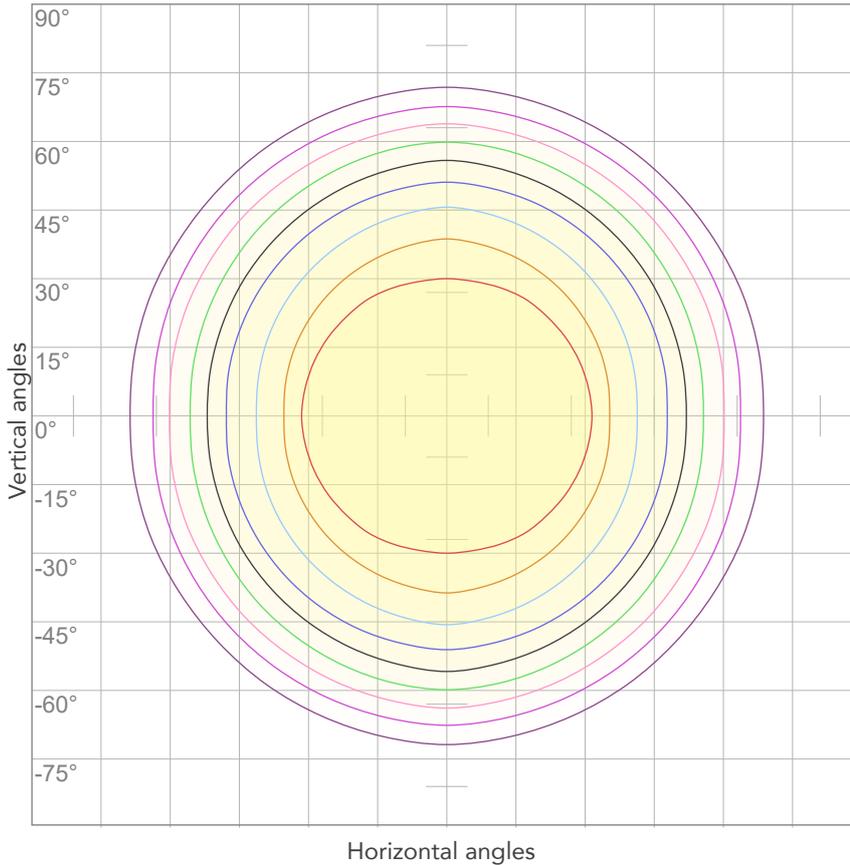


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	1,20A	266,4W	0,98	13lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



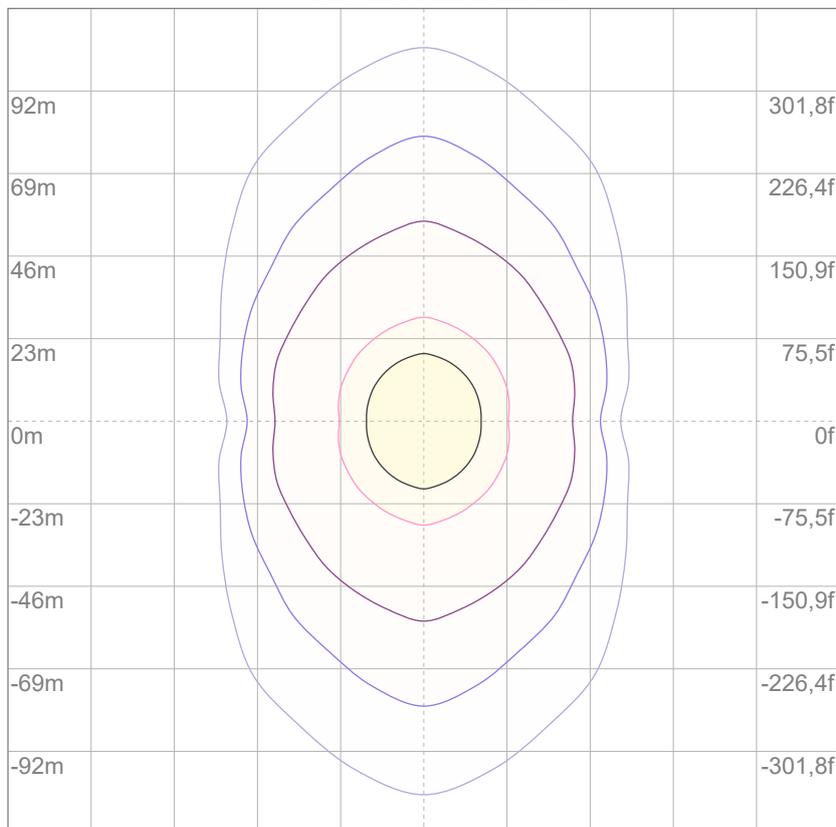
10%	112 cd
20%	224 cd
30%	335 cd
40%	447 cd
50%	559 cd
60%	671 cd
70%	783 cd
80%	895 cd

Conditions:

Number of c-planes: 4

Candela at center: 1118 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

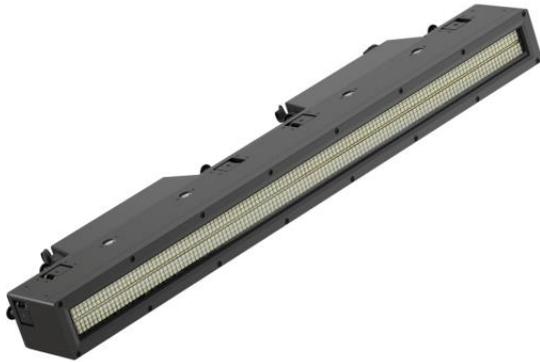
3%	0,335 lx
5%	0,559 lx
10%	1,12 lx
30%	3,35 lx
50%	5,59 lx

Conditions:

Number of c-planes: 4

Lux at center: 11,2 lx

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



Total lumen output:

31059 lm

Peak candela output:

12344 cd

Light quality:

CRI: 81,4

Color temperature:

3088 K

PRODUCT NAME:

SUNBARFLX

MEASUREMENT CONDITIONS:

Beam angle:

Plate

Target:

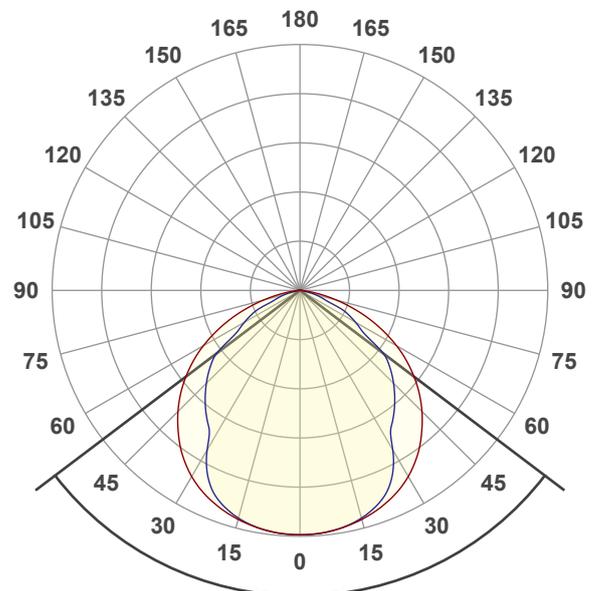
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Operator:

Giuseppe della Peruta

Date and time:

23/02/2026 12:45:24

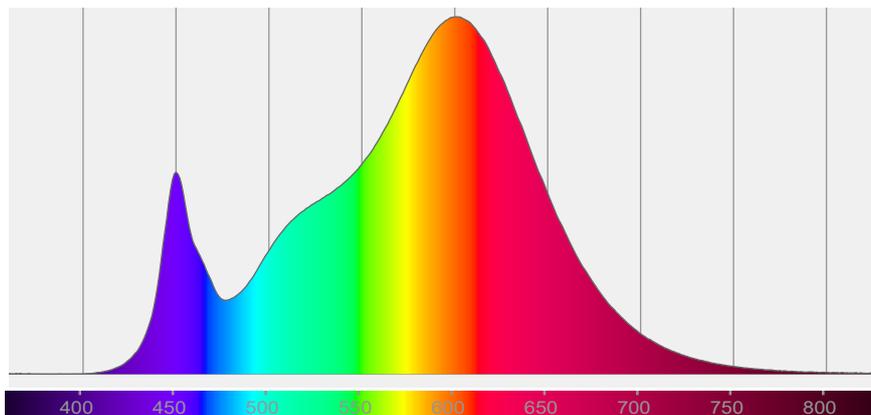


Beam angle 50%: 105,4°

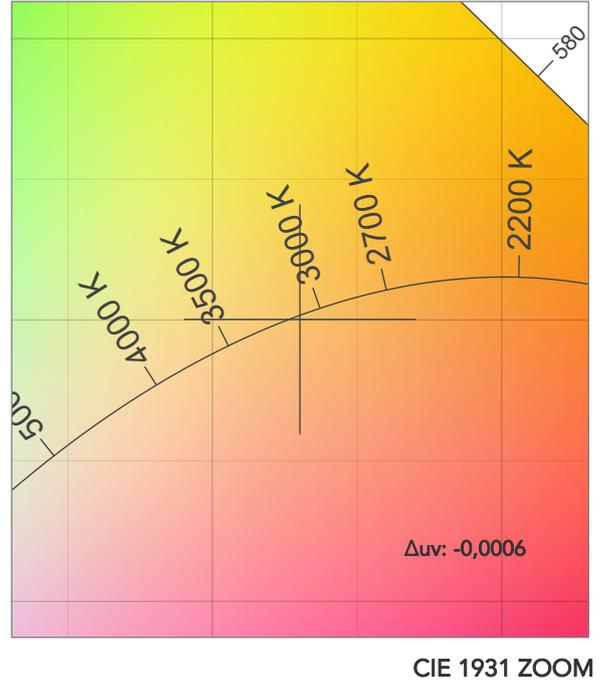
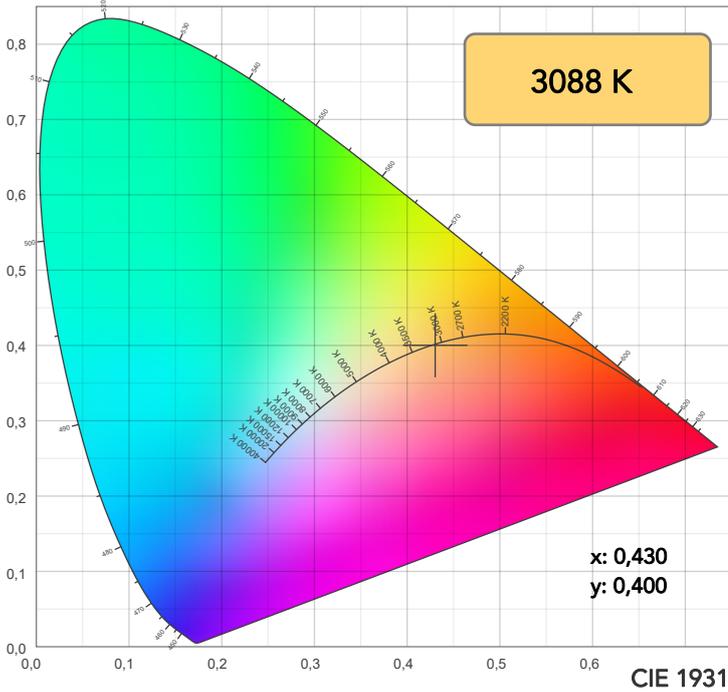
Field angle 10%: 148,5°

Cut off angle 2.5%: 162,6°

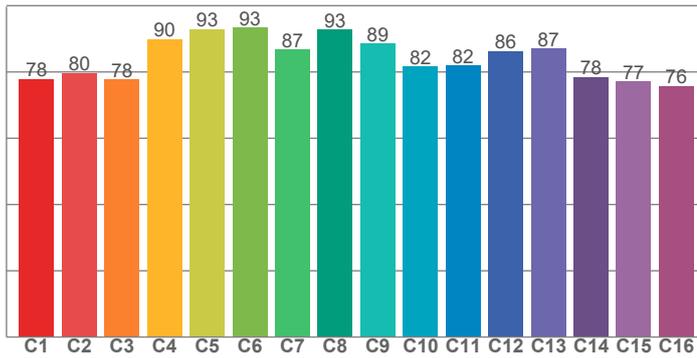
Spectra



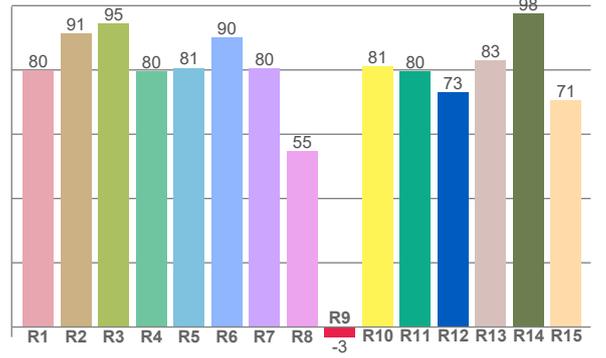
COLOR DETAILS



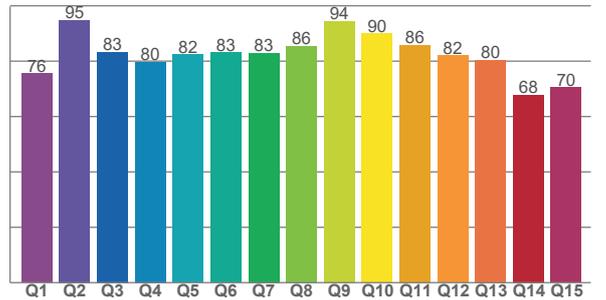
TM30: 84,3



CRI: 81,4 (R1-R8)



CQS: 81,0



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
79,9	91,4	94,5	79,5	80,7	90,1	80,4	54,6	-3,1	81,1	79,5	73,1	82,9	97,5	70,6

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
77,8	79,7	77,7	90,0	92,9	93,4	86,8	92,8	88,5	81,7	82,0	86,3	87,0	78,4	77,2	75,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75,6	94,8	83,3	79,7	82,4	83,2	83,0	85,5	94,5	90,0	85,8	82,1	80,4	67,8	70,5

COLOR PARAMETERS

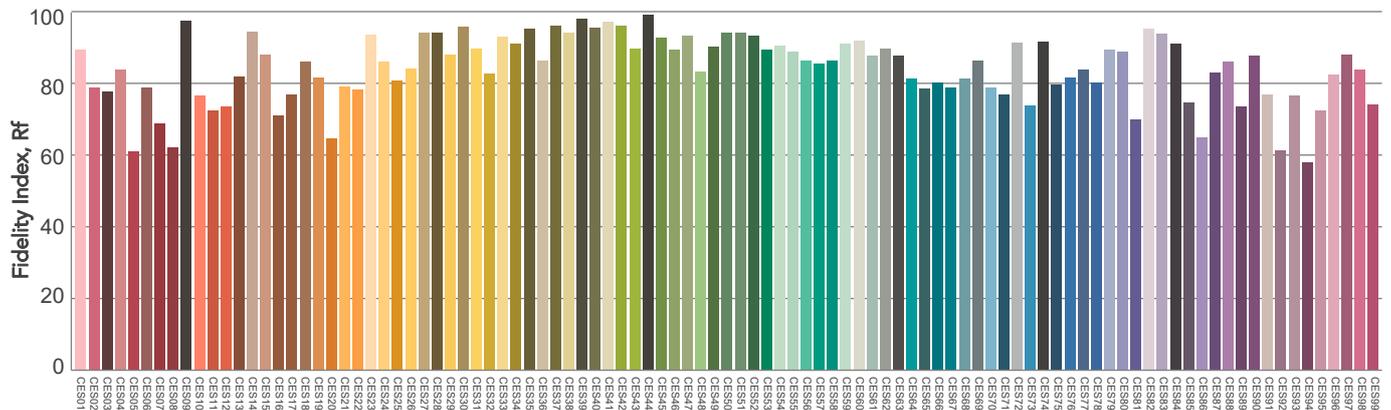
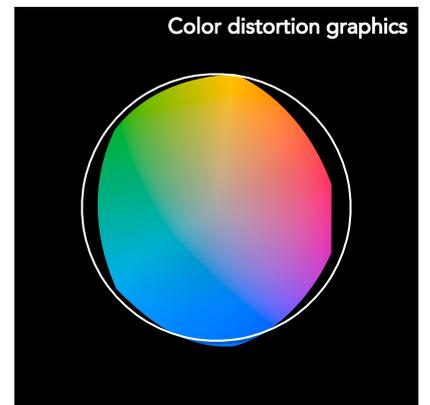
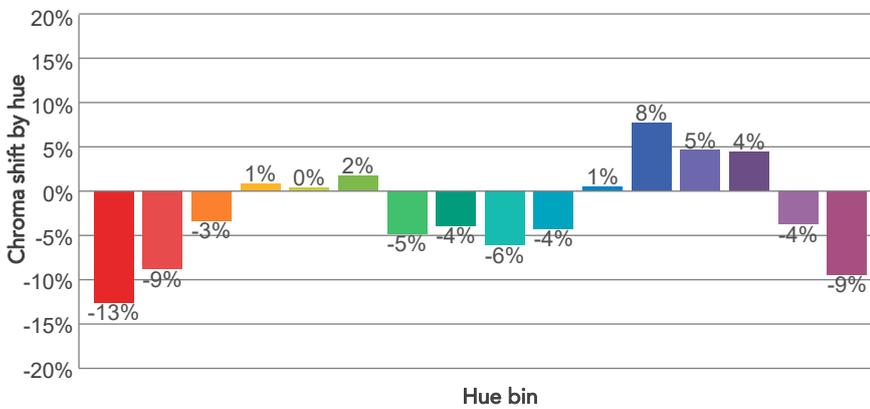
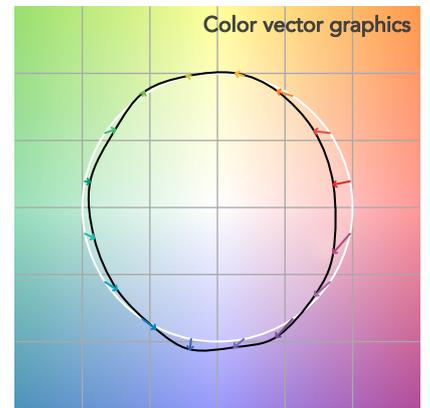
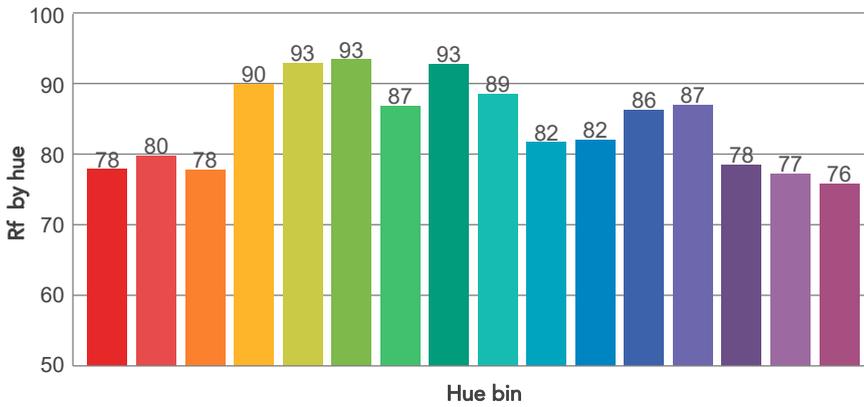
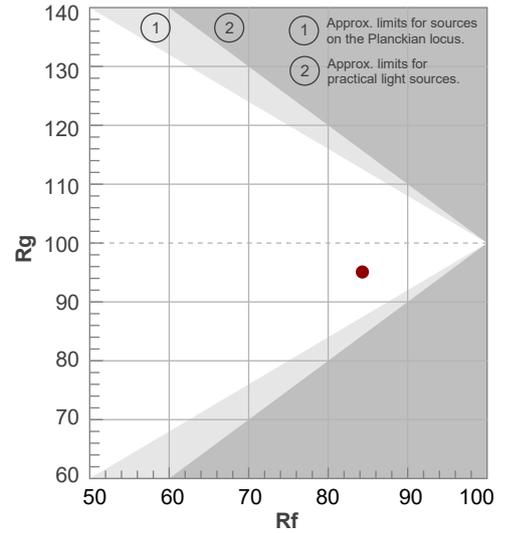
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3088 K	81,4	-3,1	84,3	95,1	81,0	64	0,430	0,400	-0,0006

TM30 DETAILS

Rf 84,3
Fidelity index Rf

Rg 95,1
Gammut index

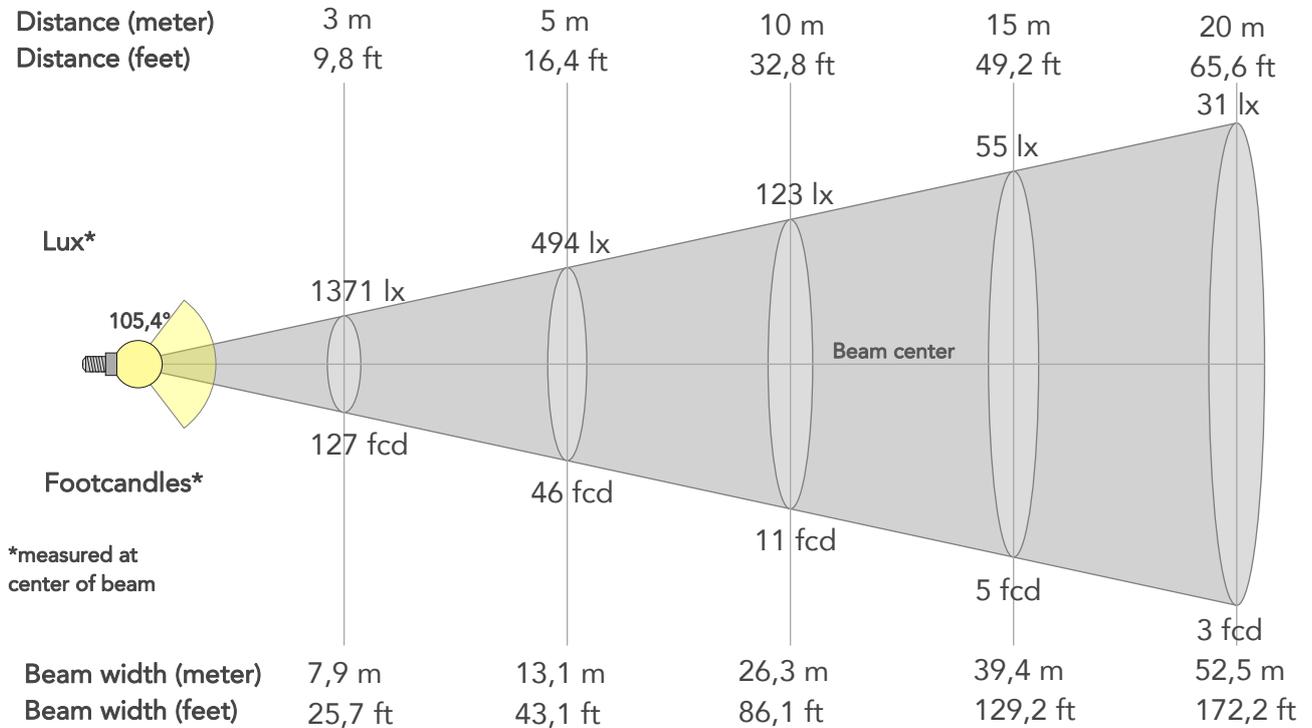
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-13%	0%
2	80	-9%	8%
3	78	-3%	11%
4	90	1%	6%
5	93	0%	3%
6	93	2%	-3%
7	87	-5%	-6%
8	93	-4%	0%
9	89	-6%	5%
10	82	-4%	10%
11	82	1%	12%
12	86	8%	1%
13	87	5%	-8%
14	78	4%	-17%
15	77	-4%	-15%
16	76	-9%	-17%



BEAM DETAILS



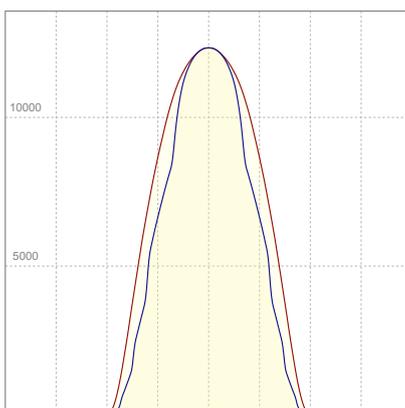
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
105,4°	148,5°	162,6°	84,3%	59,0%



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	12342lx	3085lx	1371lx	771lx	494lx	219lx	123lx	55lx	31lx	20lx	14lx	8lx	5lx
Footcand.	1147fcd	287fcd	127fcd	72fcd	46fcd	20fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	2,6m	5,3m	7,9m	10,5m	13,1m	19,7m	26,3m	39,4m	52,5m	65,6m	78,8m	105m	131,3m
Beam wid.	8,7ft	17,3ft	25,7ft	34,4ft	43,1ft	64,6ft	86,1ft	129,2ft	172,2ft	215,3ft	258,3ft	344,4ft	430,5ft

LINEAR DISTRIBUTION DIAGRAM

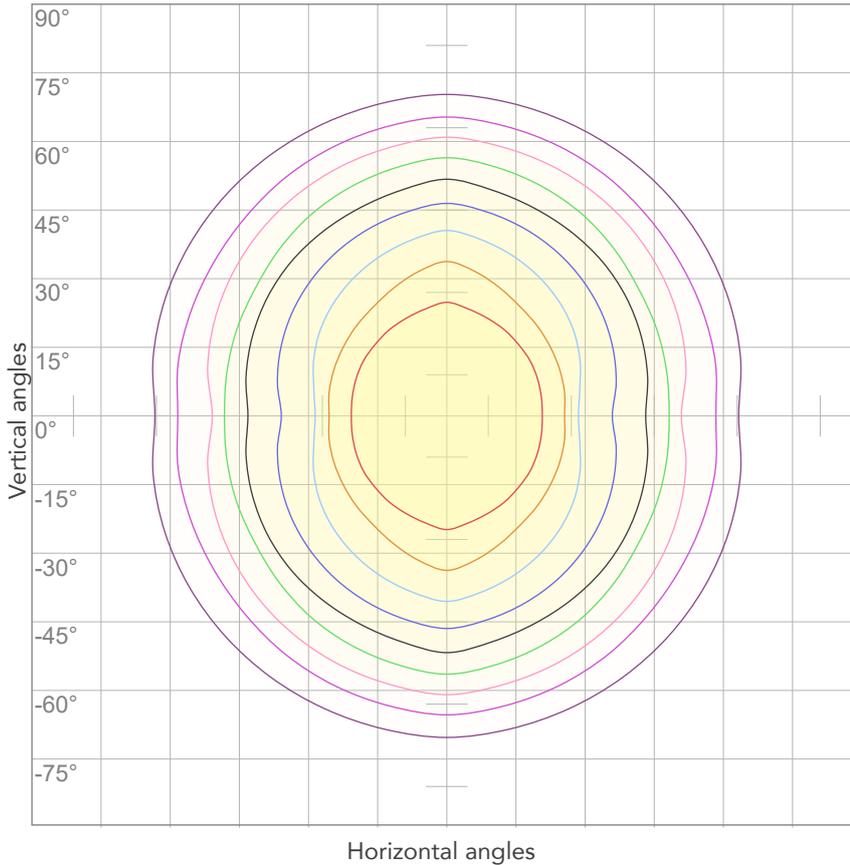


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	1,54A	343,1W	0,98	91lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



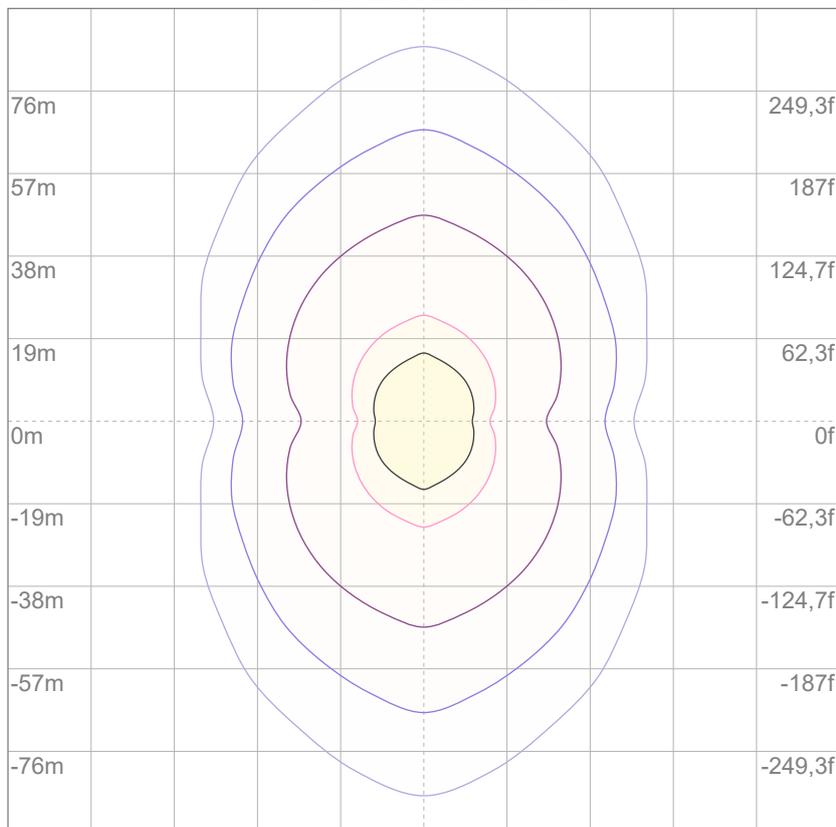
10%	1234 cd
20%	2468 cd
30%	3703 cd
40%	4937 cd
50%	6171 cd
60%	7405 cd
70%	8639 cd
80%	9873 cd

Conditions:

Number of c-planes: 4

Candela at center: 12342 cd

ISO LUX DIAGRAM



3%	3,70 lx
5%	6,17 lx
10%	12,3 lx
30%	37,0 lx
50%	61,7 lx

Conditions:

Number of c-planes: 4

Lux at center: 123 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

27365 lm

Peak candela output:

10300 cd

Light quality:

CRI: 83,4

Color temperature:

2844 K

PRODUCT NAME:

SUNBARFLX

MEASUREMENT CONDITIONS:

Beam angle:

Plate

Target:

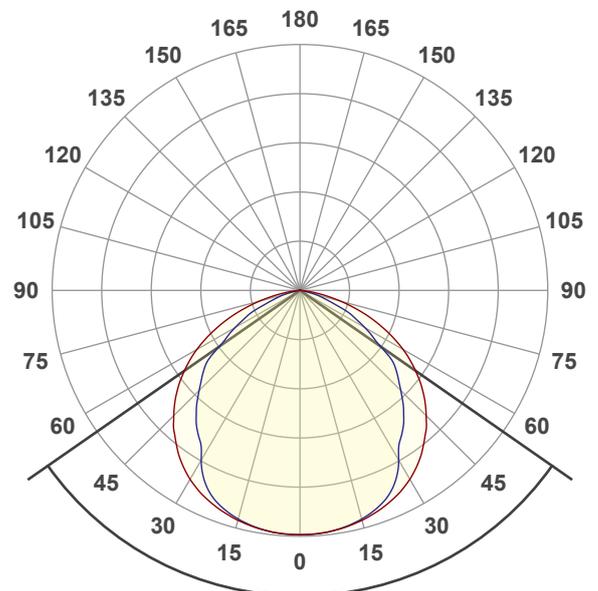
2800K

Operator:

Giuseppe della Peruta

Date and time:

23/02/2026 12:51:37

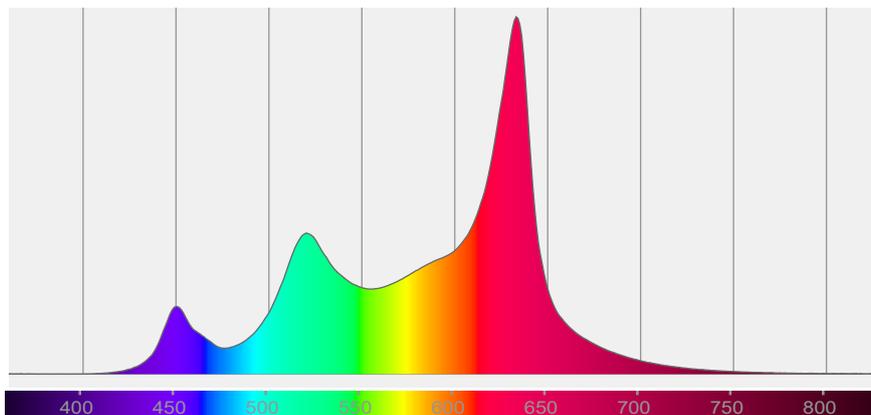


Beam angle 50%: 109,9°

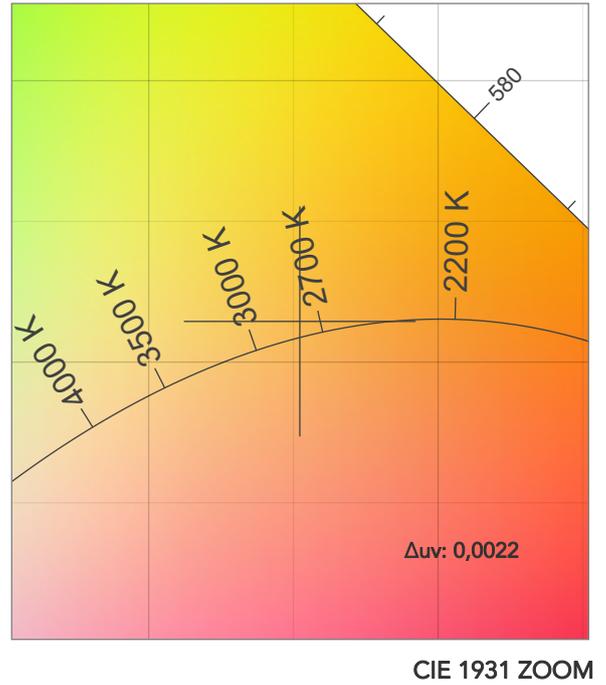
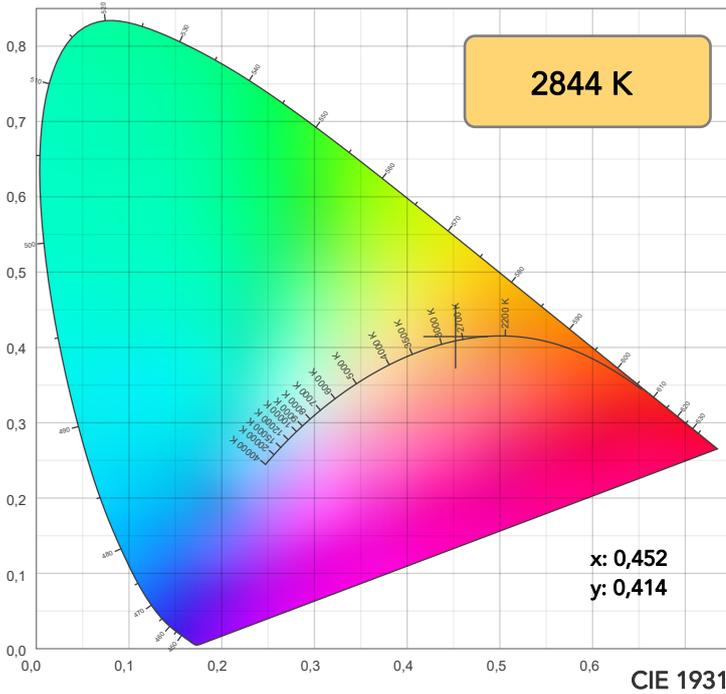
Field angle 10%: 150,6°

Cut off angle 2.5%: 163,3°

Spectra

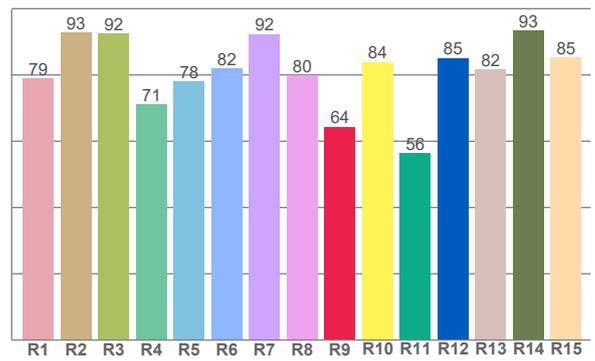
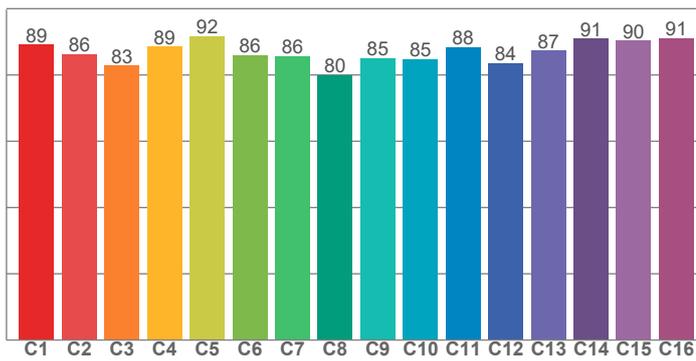


COLOR DETAILS



TM30: 87,3

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
78,9	92,9	92,5	71,0	78,2	81,9	92,4	79,8	64,4	84,0	56,4	85,2	81,7	93,5	85,3

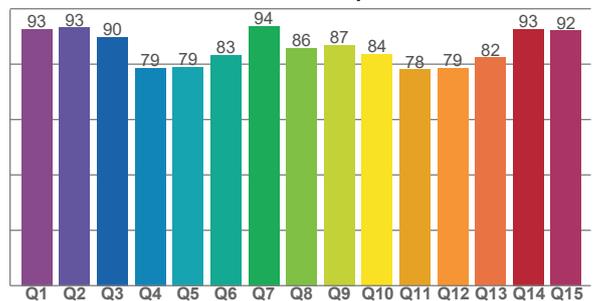
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,2	86,3	82,9	88,5	91,7	86,0	85,7	80,0	85,1	84,8	88,4	83,6	87,4	91,0	90,3	91,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,7	93,2	89,8	78,6	78,9	83,4	93,7	85,9	86,8	83,7	78,0	78,6	82,4	92,6	92,1

CQS: 84,7



COLOR PARAMETERS

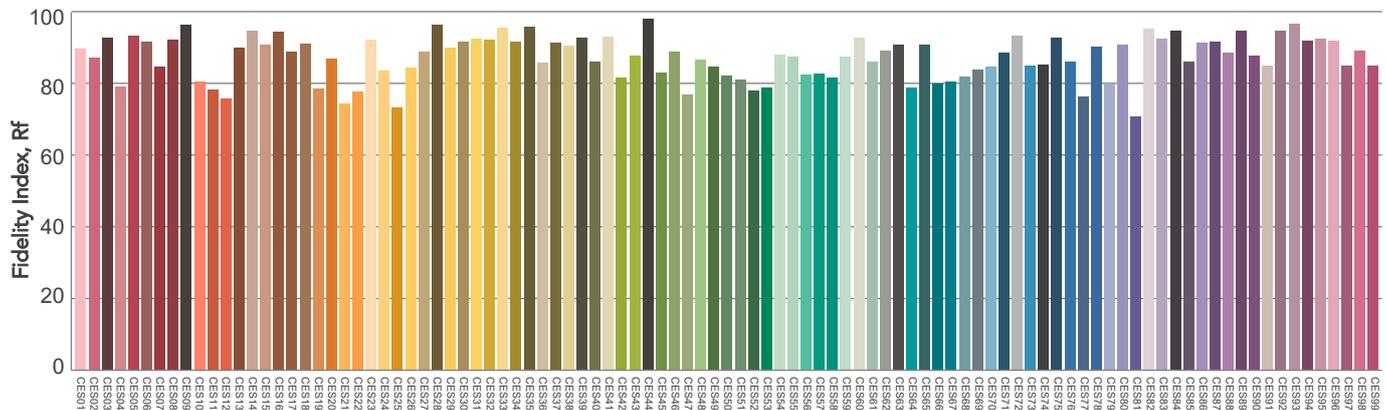
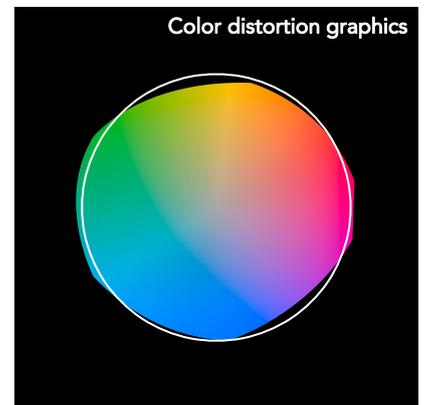
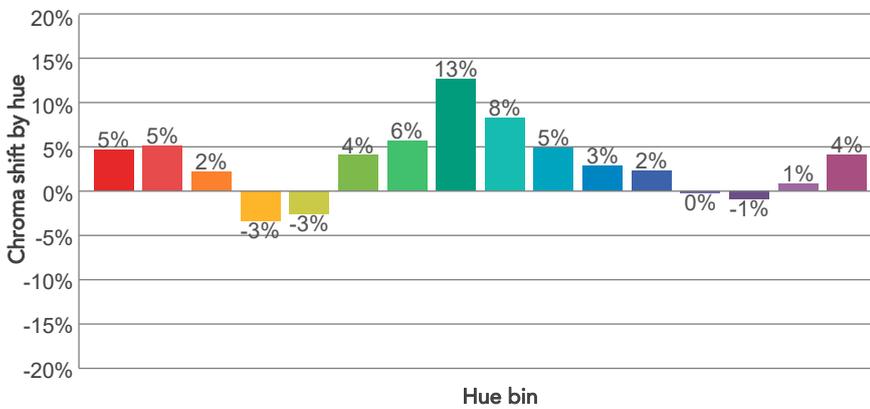
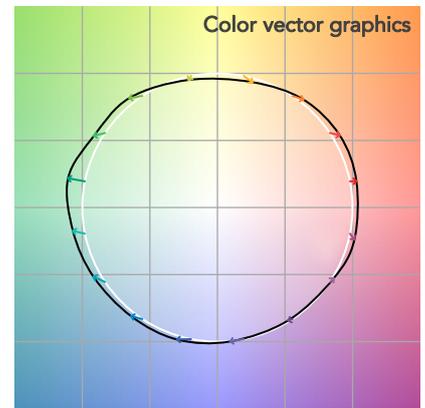
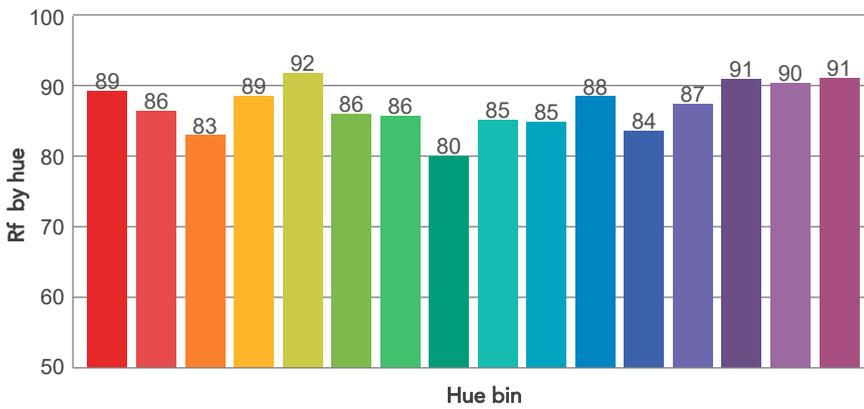
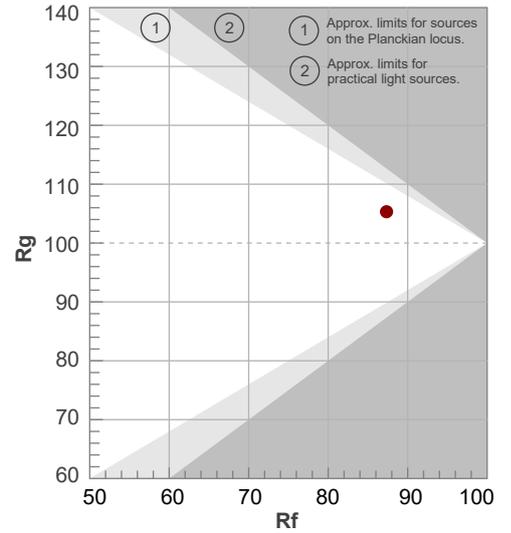
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2844 K	83,4	64,4	87,3	105,3	84,7	66	0,452	0,414	0,0022

TM30 DETAILS

Rf 87,3
Fidelity index Rf

Rg 105,3
Gammut index

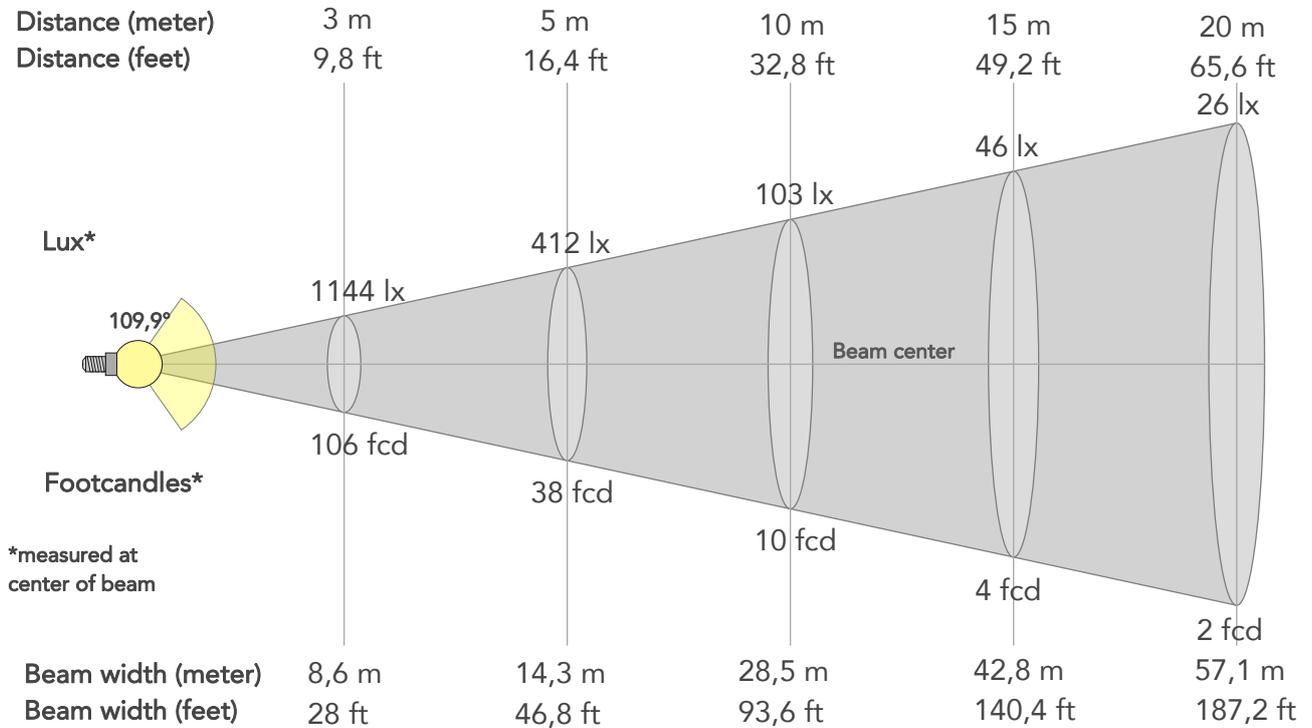
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	5%	-1%
2	86	5%	-6%
3	83	2%	-8%
4	89	-3%	-7%
5	92	-3%	2%
6	86	4%	9%
7	86	6%	6%
8	80	13%	0%
9	85	8%	-4%
10	85	5%	-8%
11	88	3%	-8%
12	84	2%	-10%
13	87	0%	-10%
14	91	-1%	-3%
15	90	1%	4%
16	91	4%	-4%



BEAM DETAILS



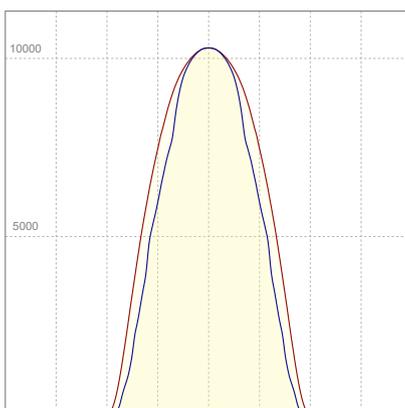
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
109,9°	150,6°	163,3°	83,5%	57,6%



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	10296lx	2574lx	1144lx	643lx	412lx	183lx	103lx	46lx	26lx	16lx	11lx	6lx	4lx
Footcand.	957fcd	239fcd	106fcd	60fcd	38fcd	17fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	2,9m	5,7m	8,6m	11,4m	14,3m	21,4m	28,5m	42,8m	57,1m	71,3m	85,6m	114,1m	142,7m
Beam wid.	9,4ft	18,8ft	28ft	37,4ft	46,8ft	70,2ft	93,6ft	140,4ft	187,2ft	233,9ft	280,7ft	374,3ft	467,9ft

LINEAR DISTRIBUTION DIAGRAM

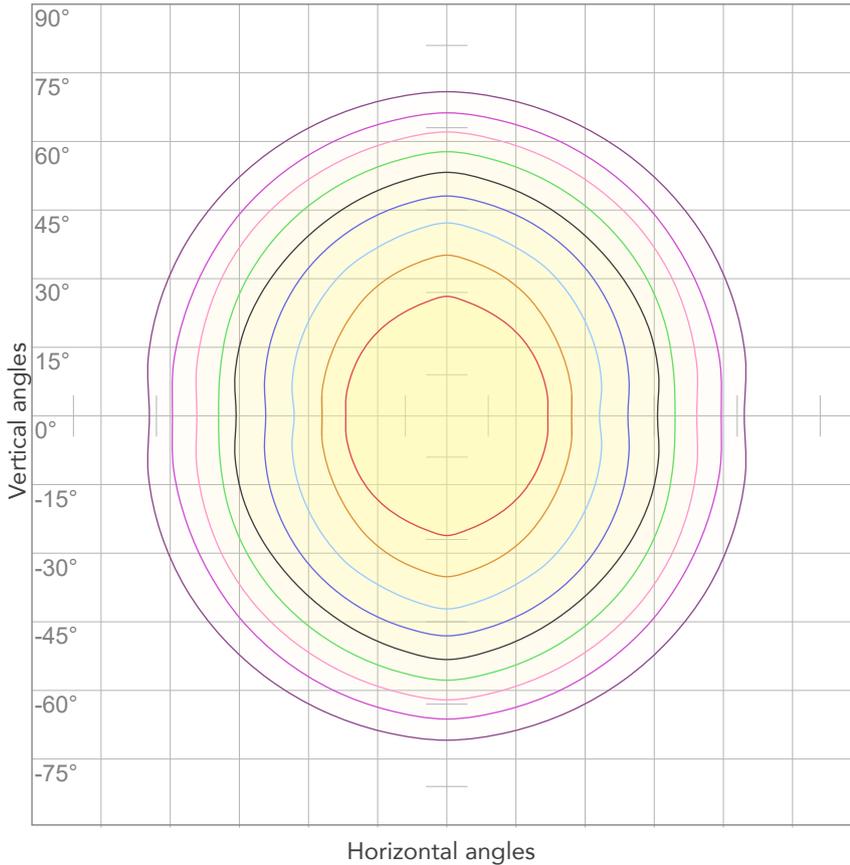


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	1,68A	375,3W	0,98	73lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



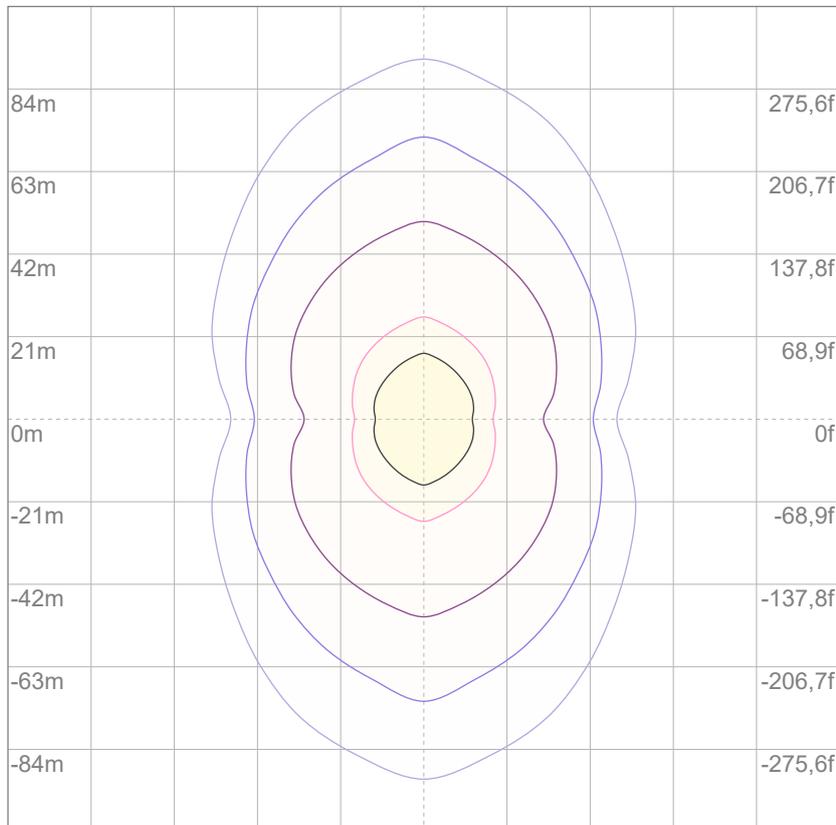
10%	1030 cd
20%	2059 cd
30%	3089 cd
40%	4118 cd
50%	5148 cd
60%	6177 cd
70%	7207 cd
80%	8237 cd

Conditions:

Number of c-planes: 4

Candela at center: 10296 cd

ISO LUX DIAGRAM



3%	3,09 lx
5%	5,15 lx
10%	10,3 lx
30%	30,9 lx
50%	51,5 lx

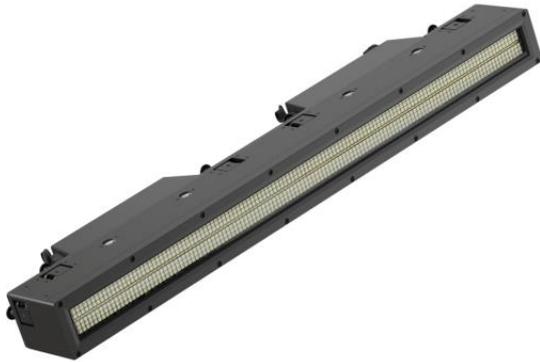
Conditions:

Number of c-planes: 4

Lux at center: 103 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

28494 lm

Peak candela output:

10804 cd

Light quality:

CRI: 91,5

Color temperature:

3217 K

PRODUCT NAME:

SUNBARFLX

MEASUREMENT CONDITIONS:

Beam angle:

Plate

Target:

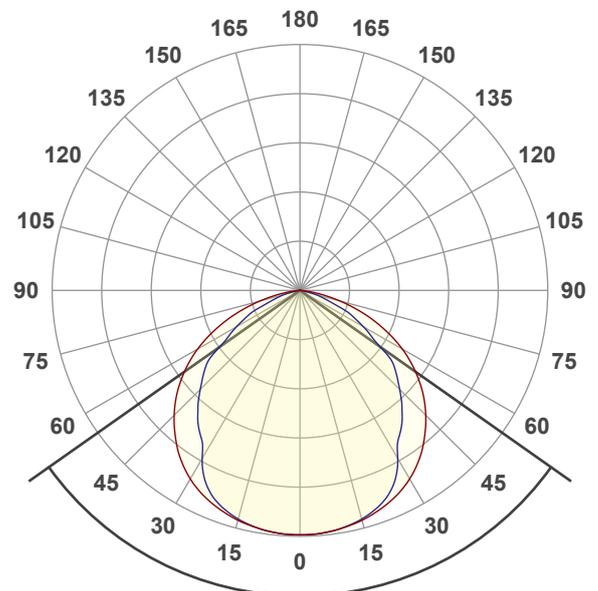
3200K

Operator:

Giuseppe della Peruta

Date and time:

23/02/2026 12:59:49

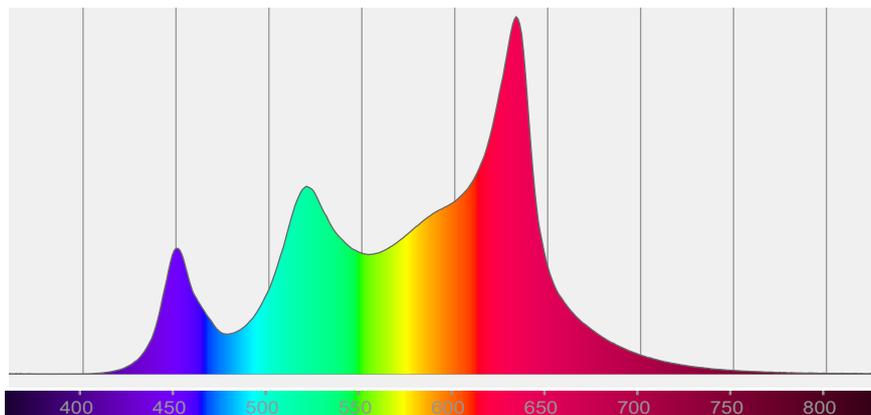


Beam angle 50%: 109,3°

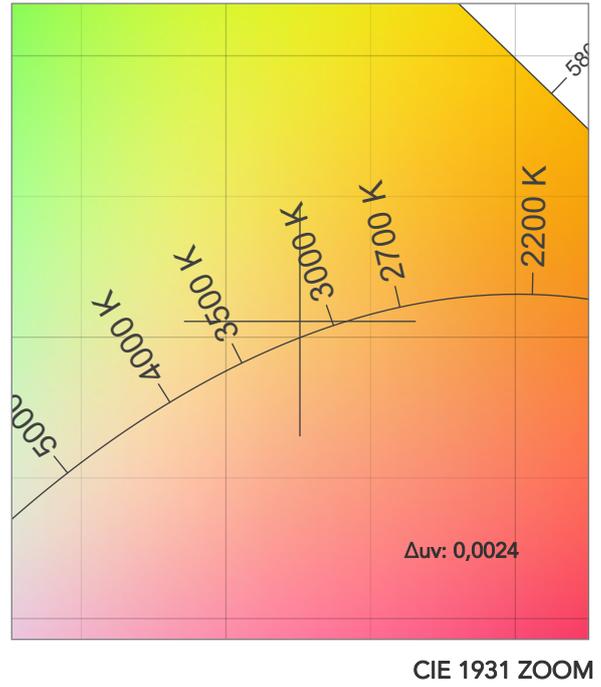
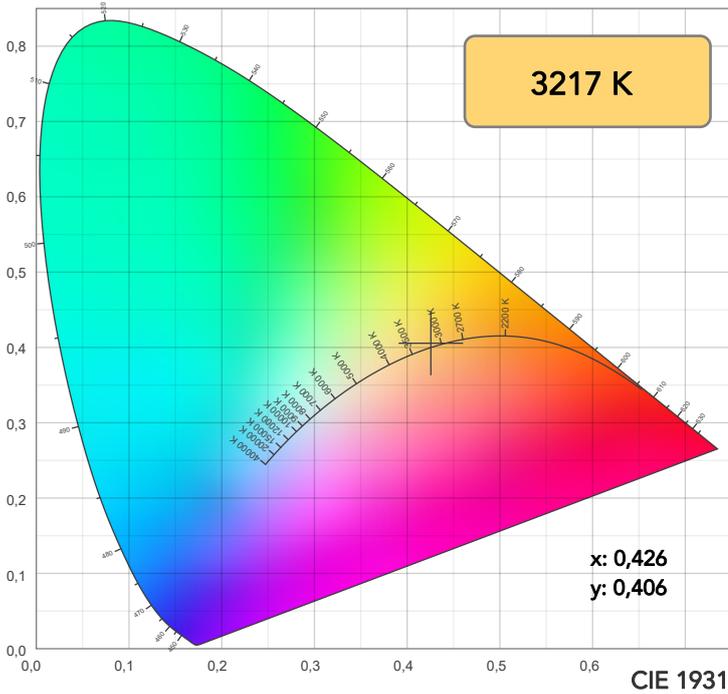
Field angle 10%: 150,4°

Cut off angle 2.5%: 163,2°

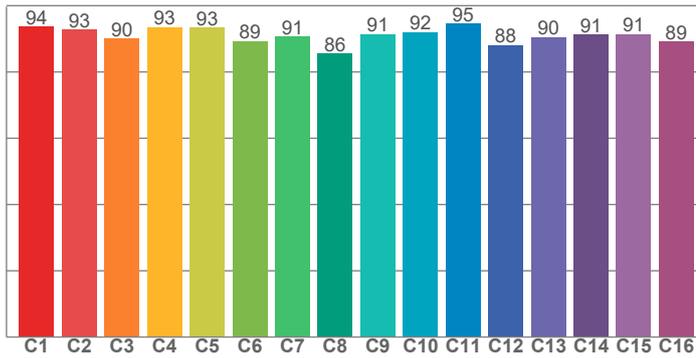
Spectra



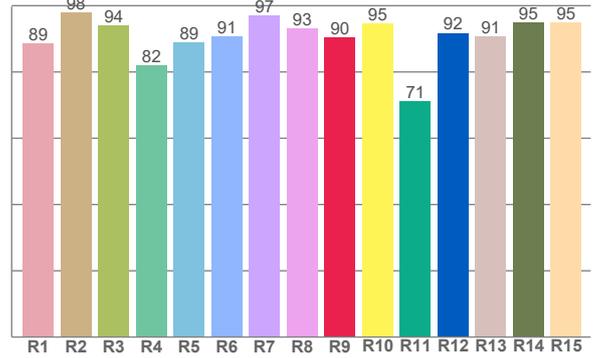
COLOR DETAILS



TM30: 91,7



CRI: 91,5 (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
88,7	97,9	94,0	82,1	88,8	90,8	96,9	93,1	90,4	94,6	71,0	91,8	90,6	94,9	95,0

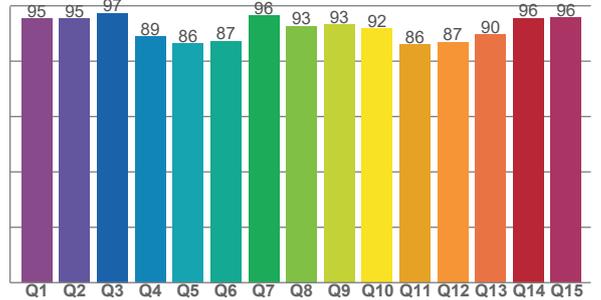
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,4	95,3	97,4	88,9	86,4	87,2	96,4	92,6	93,2	91,7	86,0	86,9	89,6	95,6	95,8

CQS: 90,9



COLOR PARAMETERS

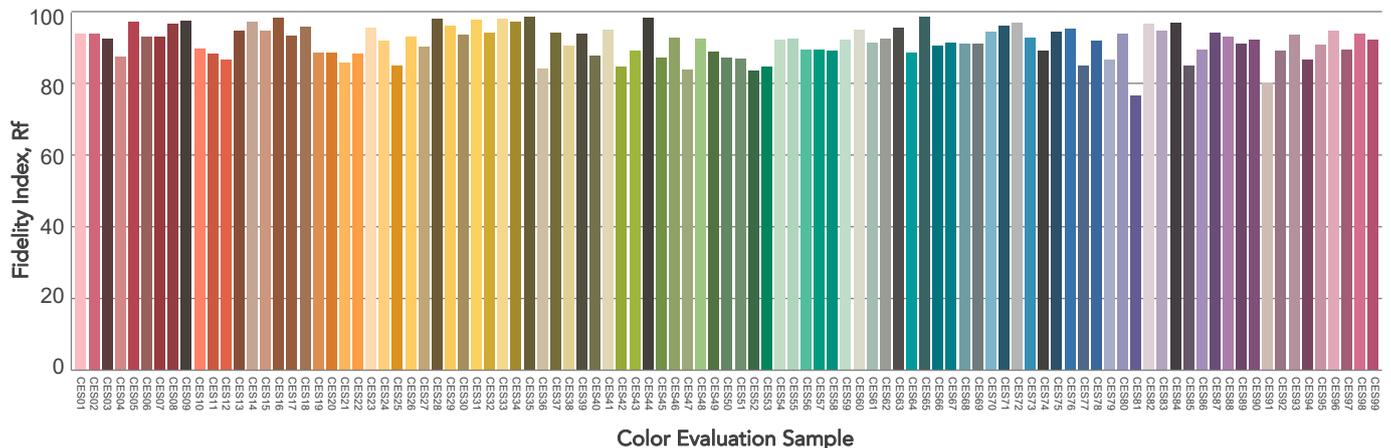
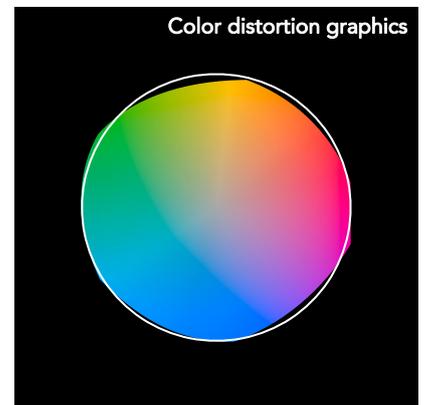
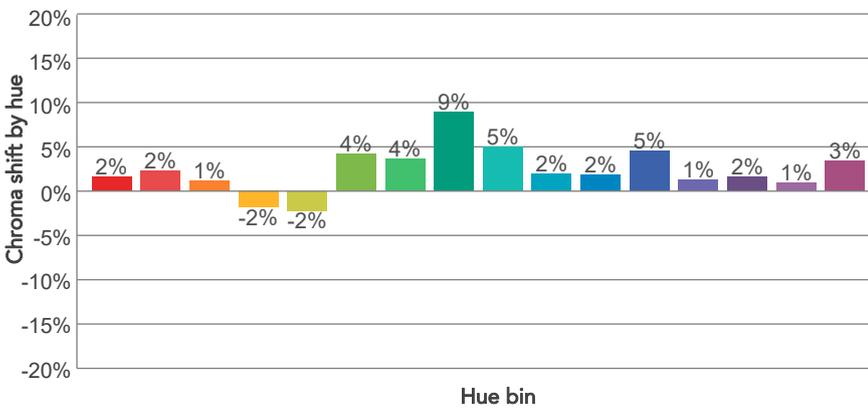
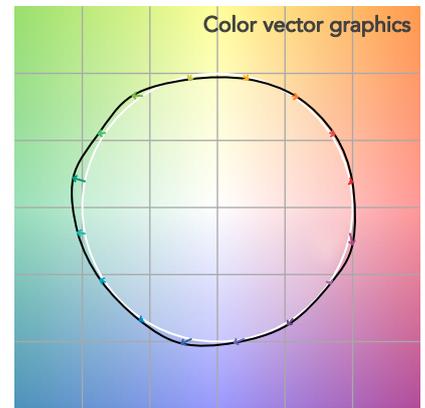
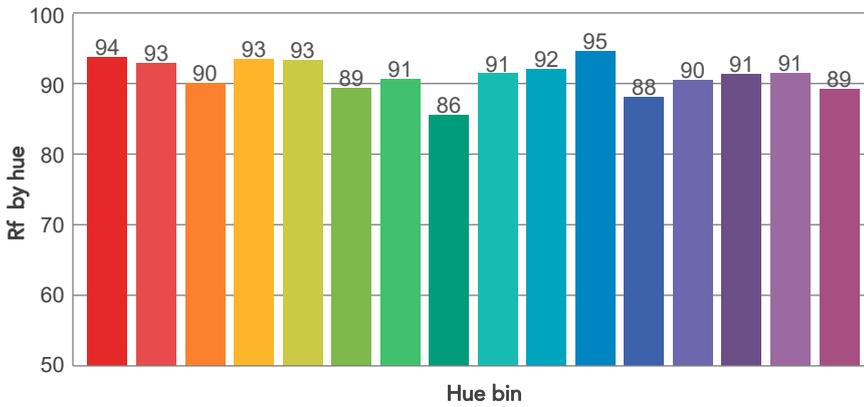
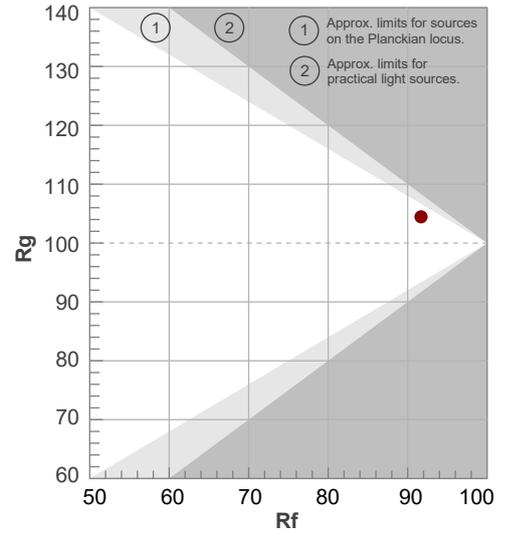
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3217 K	91,5	90,4	91,7	104,5	90,9	80	0,426	0,406	0,0024

TM30 DETAILS

Rf 91,7
Fidelity index Rf

Rg 104,5
Gammut index

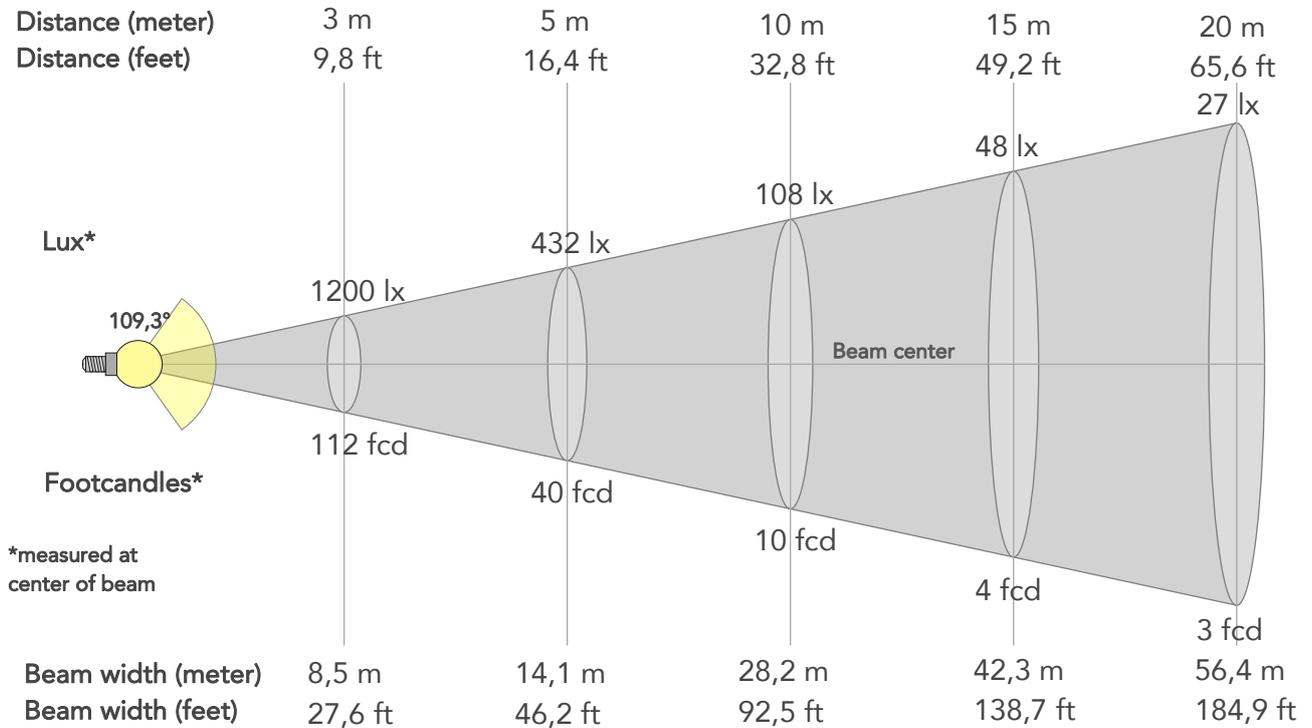
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	2%	-1%
2	93	2%	-3%
3	90	1%	-3%
4	93	-2%	-3%
5	93	-2%	2%
6	89	4%	6%
7	91	4%	3%
8	86	9%	-1%
9	91	5%	-2%
10	92	2%	-3%
11	95	2%	-1%
12	88	5%	-6%
13	90	1%	-7%
14	91	2%	-5%
15	91	1%	-1%
16	89	3%	-7%



BEAM DETAILS



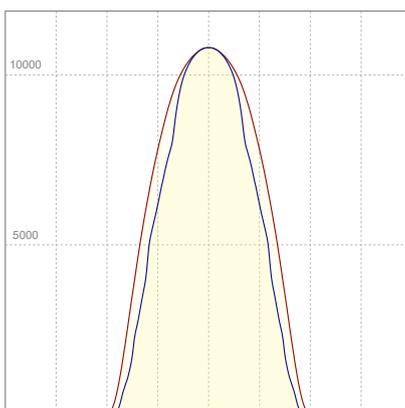
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
109,3°	150,4°	163,2°	83,6%	57,8%



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	10804lx	2701lx	1200lx	675lx	432lx	192lx	108lx	48lx	27lx	17lx	12lx	7lx	4lx
Footcand.	1004fcd	251fcd	112fcd	63fcd	40fcd	18fcd	10fcd	4fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	2,8m	5,6m	8,5m	11,3m	14,1m	21,1m	28,2m	42,3m	56,4m	70,5m	84,6m	112,8m	141m
Beam wid.	9,3ft	18,6ft	27,6ft	36,9ft	46,2ft	69,4ft	92,5ft	138,7ft	184,9ft	231,2ft	277,4ft	369,9ft	462,3ft

LINEAR DISTRIBUTION DIAGRAM

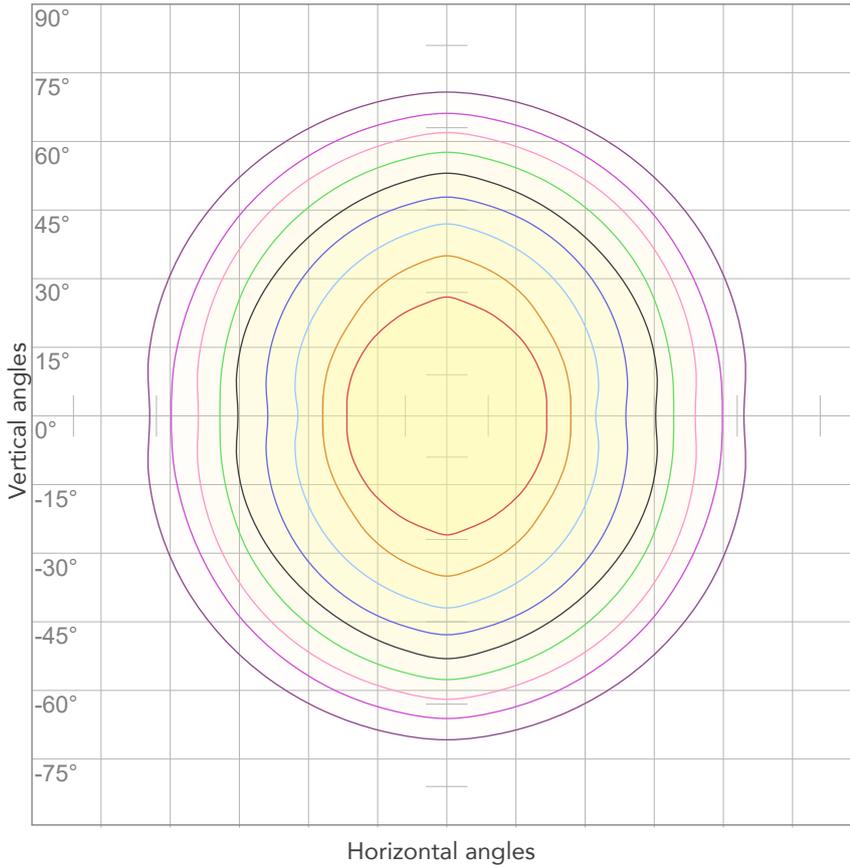


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	1,72A	380,9W	0,98	75lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



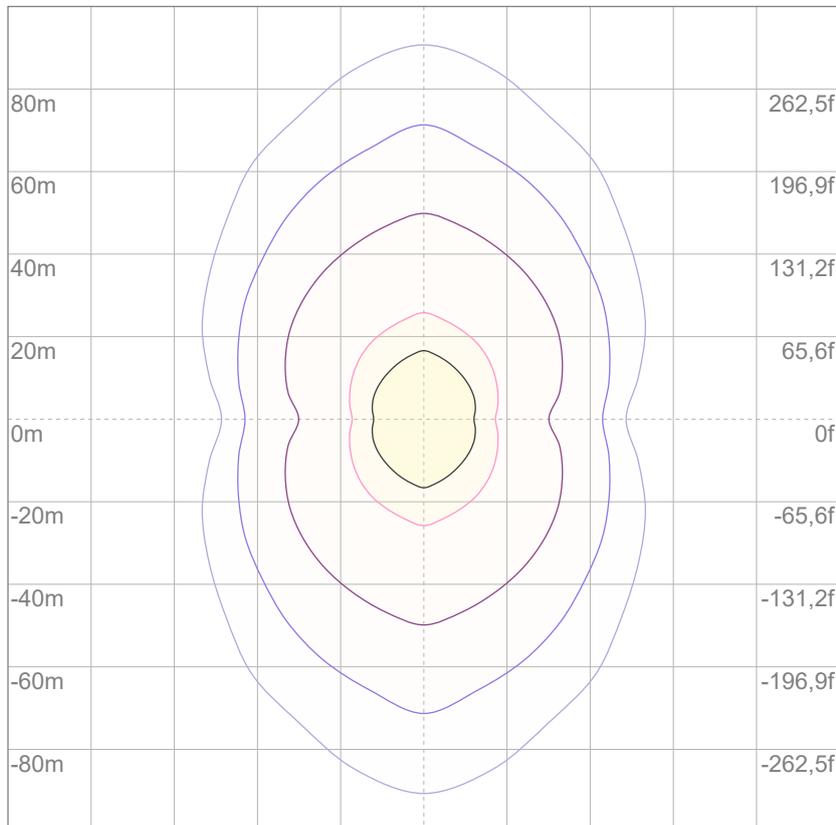
10%	1080 cd
20%	2161 cd
30%	3241 cd
40%	4322 cd
50%	5402 cd
60%	6483 cd
70%	7563 cd
80%	8644 cd

Conditions:

Number of c-planes: 4

Candela at center: 10804 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	3,24 lx
5%	5,40 lx
10%	10,8 lx
30%	32,4 lx
50%	54,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 108 lx

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



Total lumen output:

27515 lm

Peak candela output:

10344 cd

Light quality:

CRI: 92,3

Color temperature:

4009 K

PRODUCT NAME:

SUNBARFLX

MEASUREMENT CONDITIONS:

Beam angle:

Plate

Target:

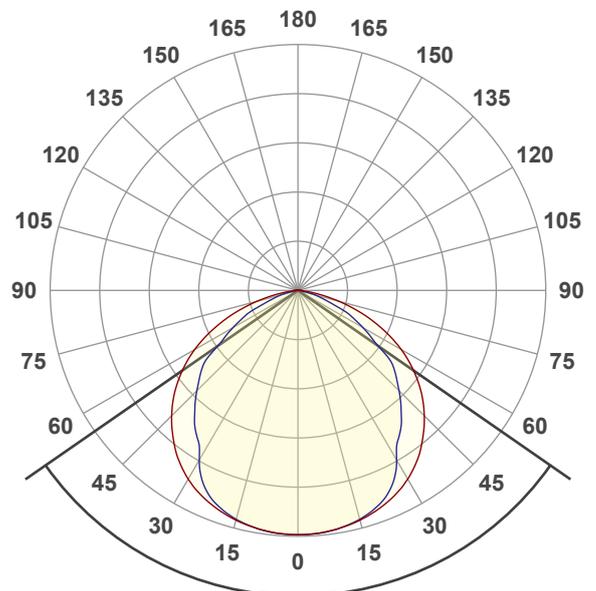
4000K

Operator:

Giuseppe della Peruta

Date and time:

23/02/2026 13:12:13

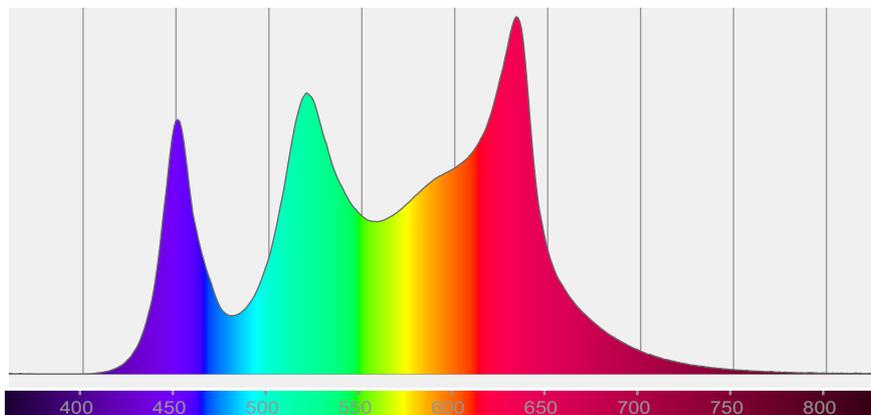


Beam angle 50%: 110,1°

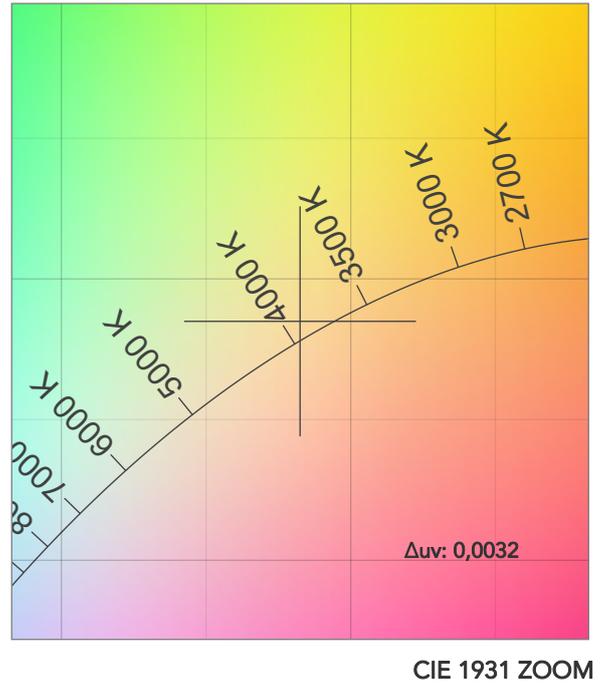
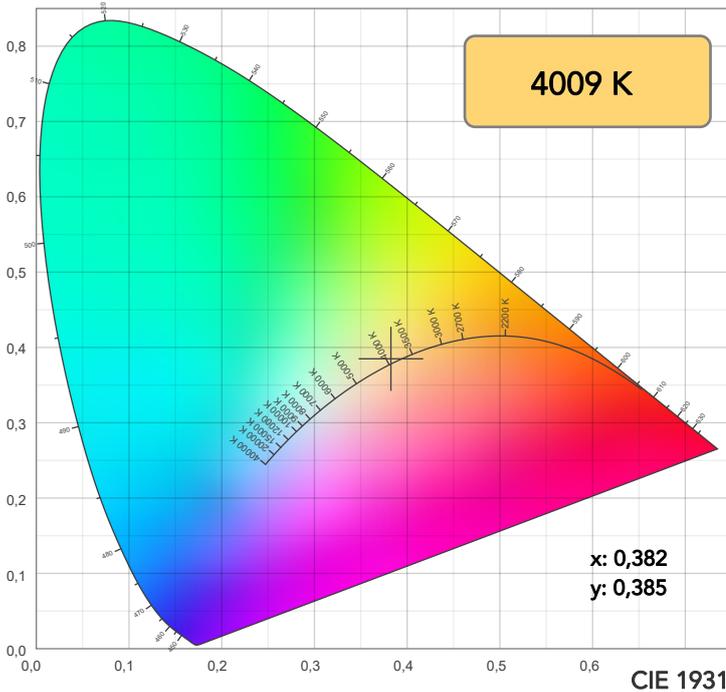
Field angle 10%: 150,9°

Cut off angle 2.5%: 163,4°

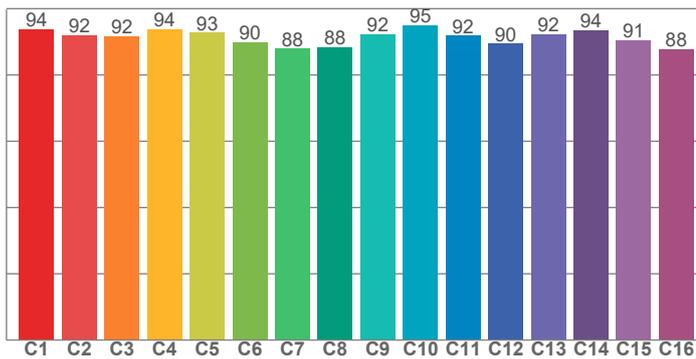
Spectra



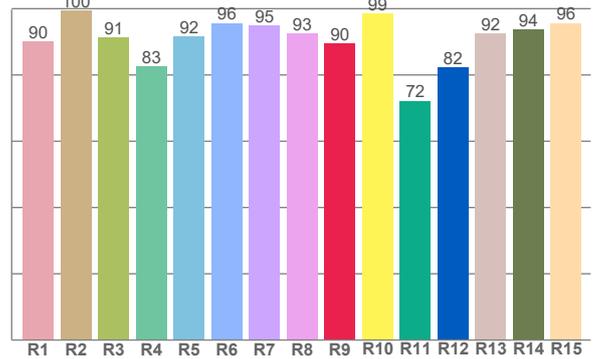
COLOR DETAILS



TM30: 91,8



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
90,2	99,5	91,4	82,7	91,6	95,7	95,0	92,5	89,6	98,5	72,2	82,2	92,5	93,7	95,7

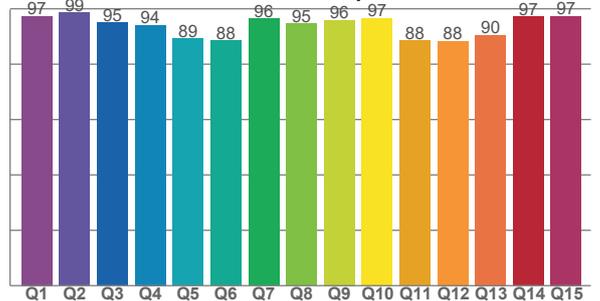
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,4	98,6	95,0	94,1	89,2	88,5	96,4	94,6	96,0	96,6	88,5	88,4	90,5	97,2	97,3

CQS: 92,9



COLOR PARAMETERS

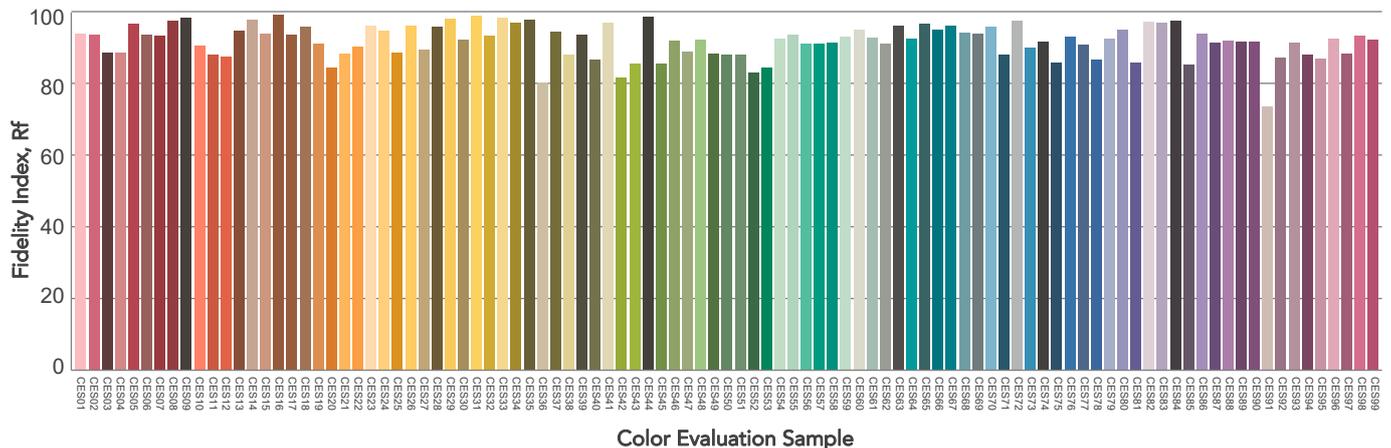
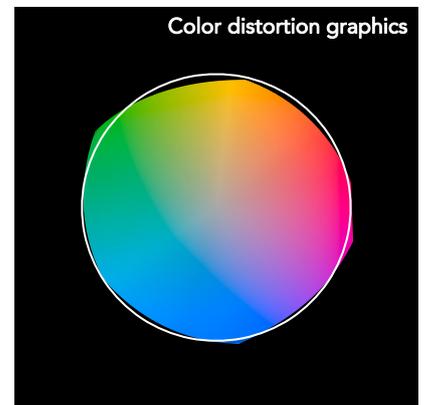
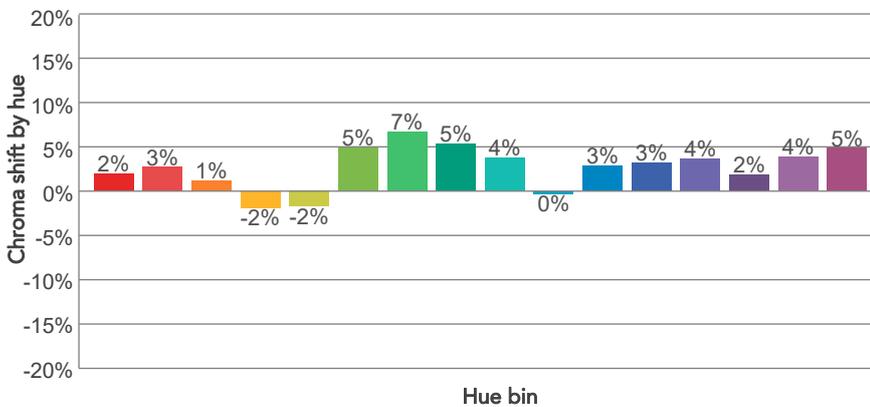
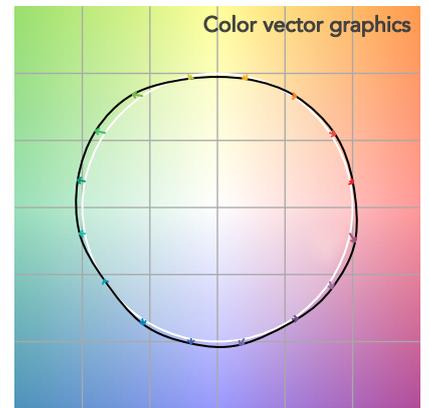
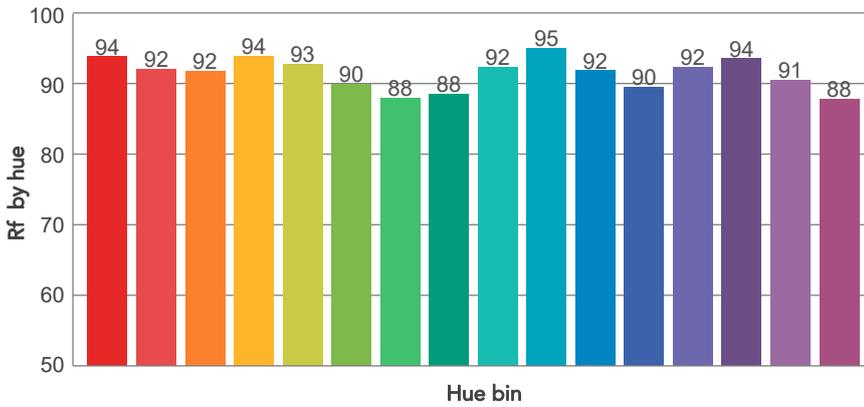
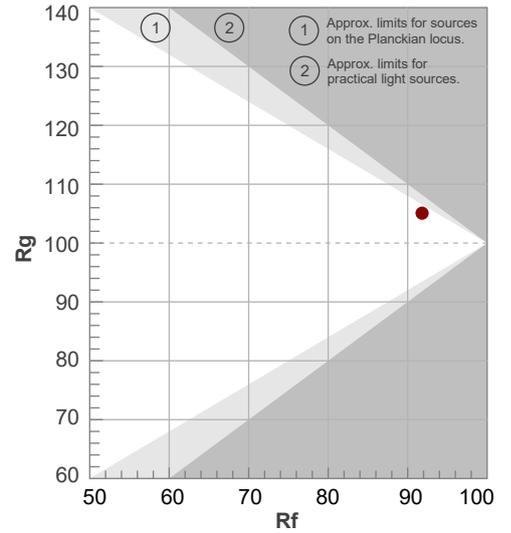
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4009 K	92,3	89,6	91,8	105,1	92,9	80	0,382	0,385	0,0032

TM30 DETAILS

Rf 91,8
Fidelity index Rf

Rg 105,1
Gammut index

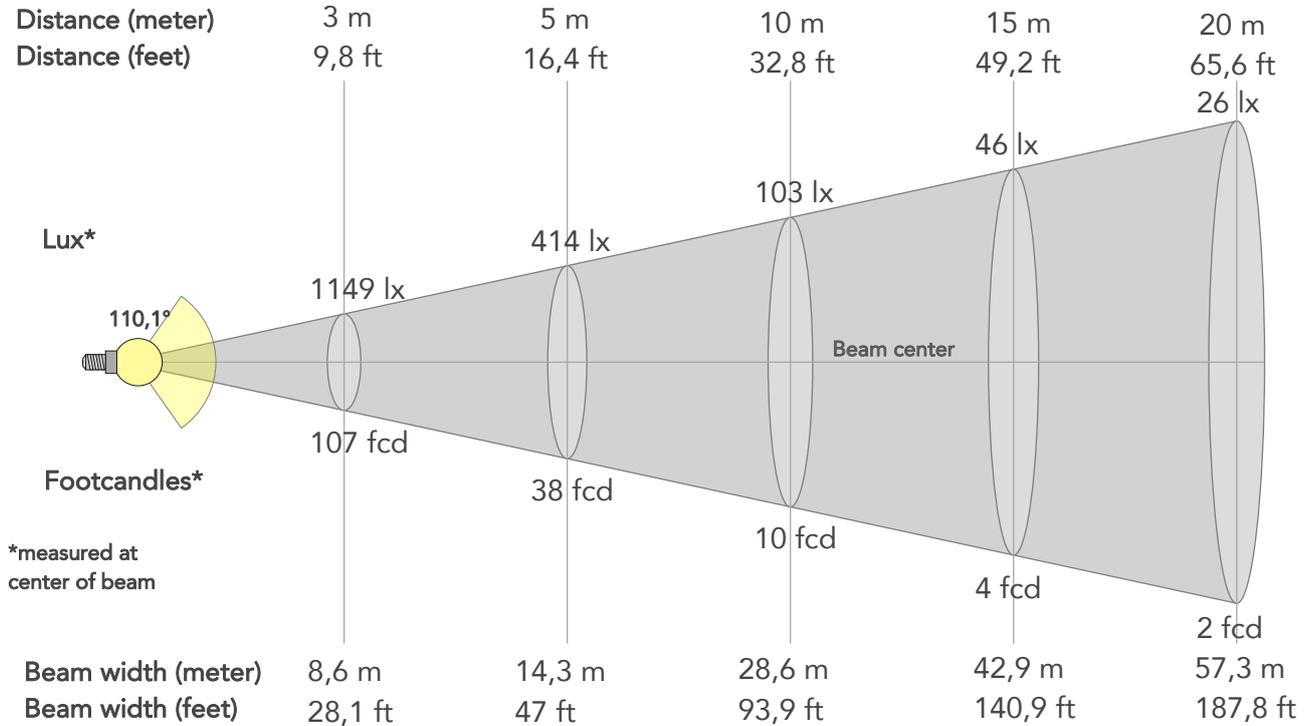
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	2%	-1%
2	92	3%	-3%
3	92	1%	-2%
4	94	-2%	-3%
5	93	-2%	2%
6	90	5%	5%
7	88	7%	2%
8	88	5%	0%
9	92	4%	-1%
10	95	0%	-1%
11	92	3%	3%
12	90	3%	1%
13	92	4%	-4%
14	94	2%	3%
15	91	4%	-3%
16	88	5%	-5%



BEAM DETAILS



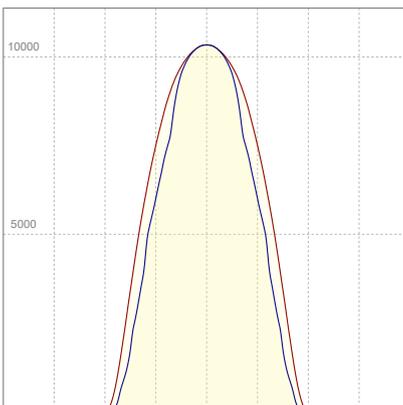
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
110,1°	150,9°	163,4°	83,4%	57,5%



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	10340lx	2585lx	1149lx	646lx	414lx	184lx	103lx	46lx	26lx	17lx	11lx	6lx	4lx
Footcand.	961fcd	240fcd	107fcd	60fcd	38fcd	17fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	2,9m	5,7m	8,6m	11,5m	14,3m	21,5m	28,6m	42,9m	57,3m	71,6m	85,9m	114,5m	143,2m
Beam wid.	9,4ft	18,9ft	28,1ft	37,5ft	47ft	70,4ft	93,9ft	140,9ft	187,8ft	234,8ft	281,7ft	375,7ft	469,6ft

LINEAR DISTRIBUTION DIAGRAM

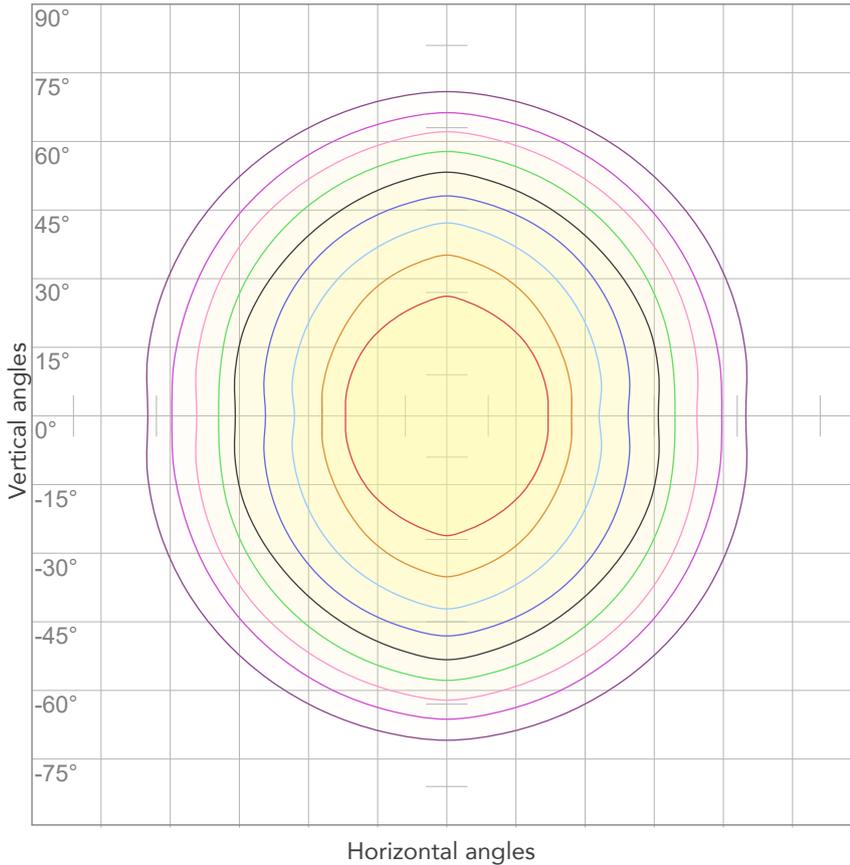


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	1,72A	382W	0,98	72lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



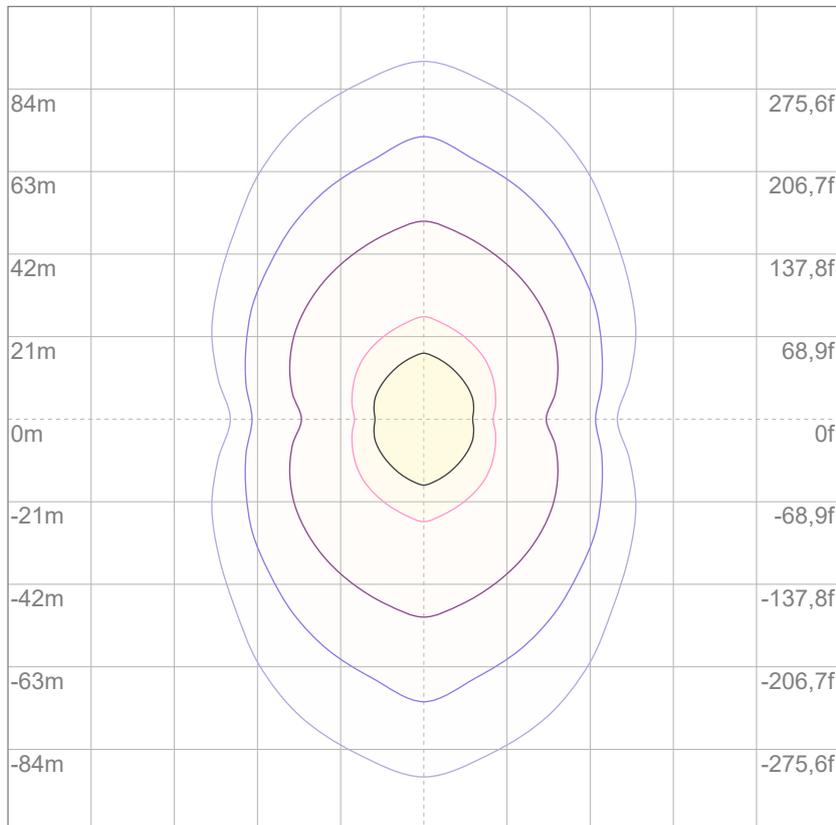
10%	1034 cd
20%	2068 cd
30%	3102 cd
40%	4136 cd
50%	5170 cd
60%	6204 cd
70%	7238 cd
80%	8272 cd

Conditions:

Number of c-planes: 4

Candela at center: 10340 cd

ISO LUX DIAGRAM



3%	3,10 lx
5%	5,17 lx
10%	10,3 lx
30%	31,0 lx
50%	51,7 lx

Conditions:

Number of c-planes: 4

Lux at center: 103 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

26193 lm

Peak candela output:

9731 cd

Light quality:

CRI: 92,1

Color temperature:

5598 K

PRODUCT NAME:

SUNBARFLX

MEASUREMENT CONDITIONS:

Beam angle:

Plate

Target:

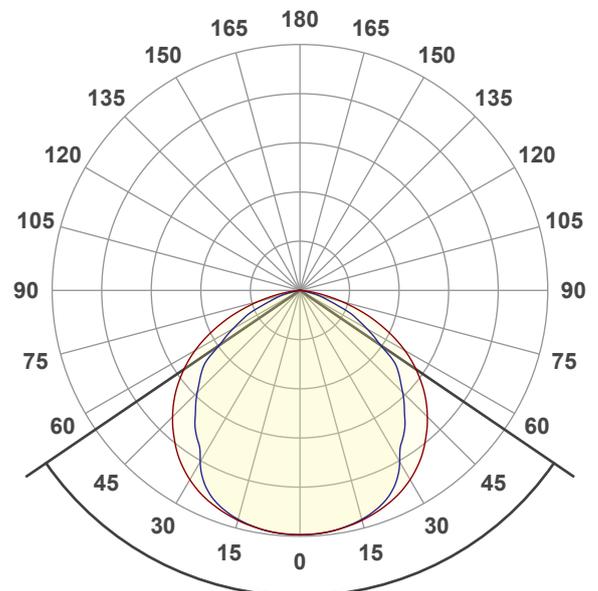
5600K

Operator:

Giuseppe della Peruta

Date and time:

23/02/2026 13:22:40

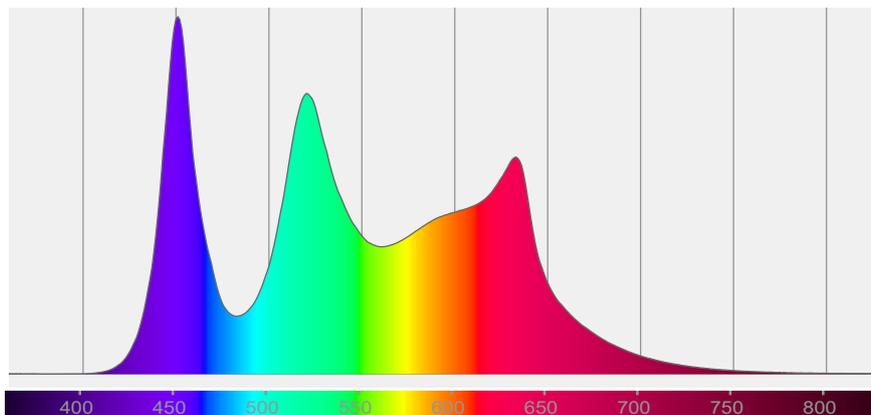


Beam angle 50%: 111,2°

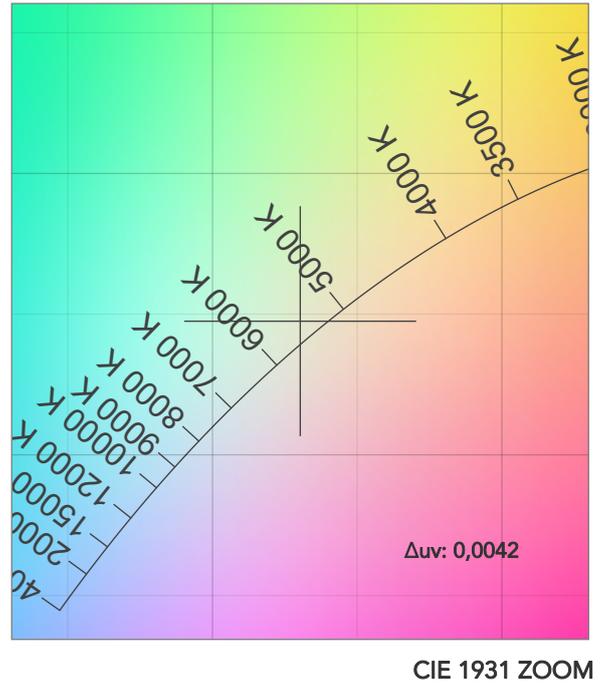
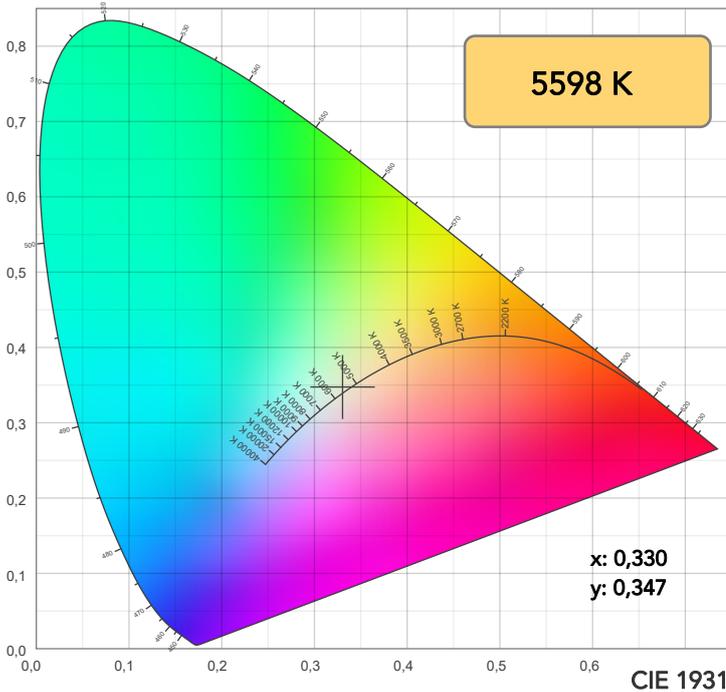
Field angle 10%: 151,4°

Cut off angle 2.5%: 163,6°

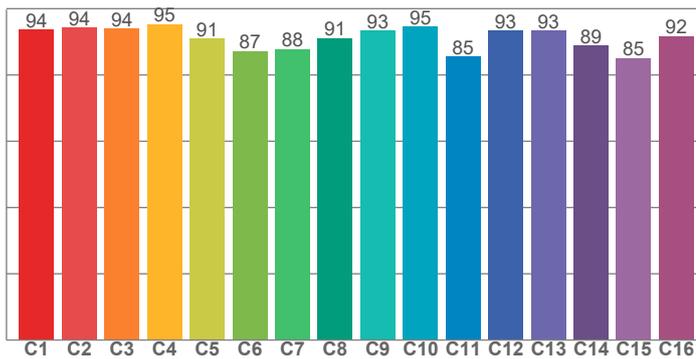
Spectra



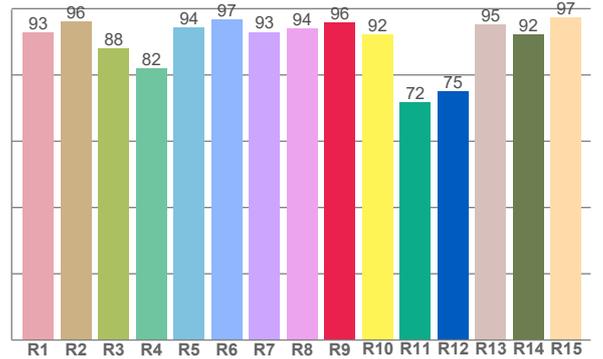
COLOR DETAILS



TM30: 91,2



CRI: 92,1 (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
92,7	96,1	88,1	81,9	94,3	96,8	93,0	94,1	95,9	92,1	71,7	75,0	95,3	92,3	97,4

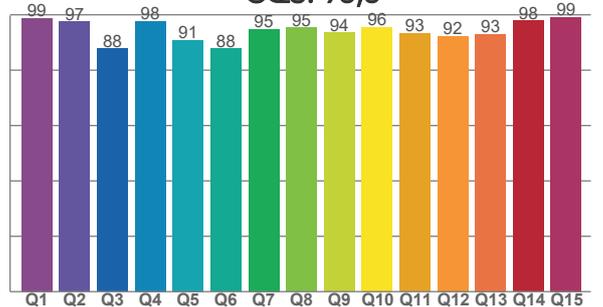
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,6	94,3	94,0	95,3	91,0	87,2	87,8	91,2	93,4	94,6	85,5	93,4	93,5	88,9	85,2	91,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,8	97,4	87,7	97,7	90,9	87,7	94,8	95,3	93,5	95,5	93,3	92,3	93,1	97,8	99,1

CQS: 93,3



COLOR PARAMETERS

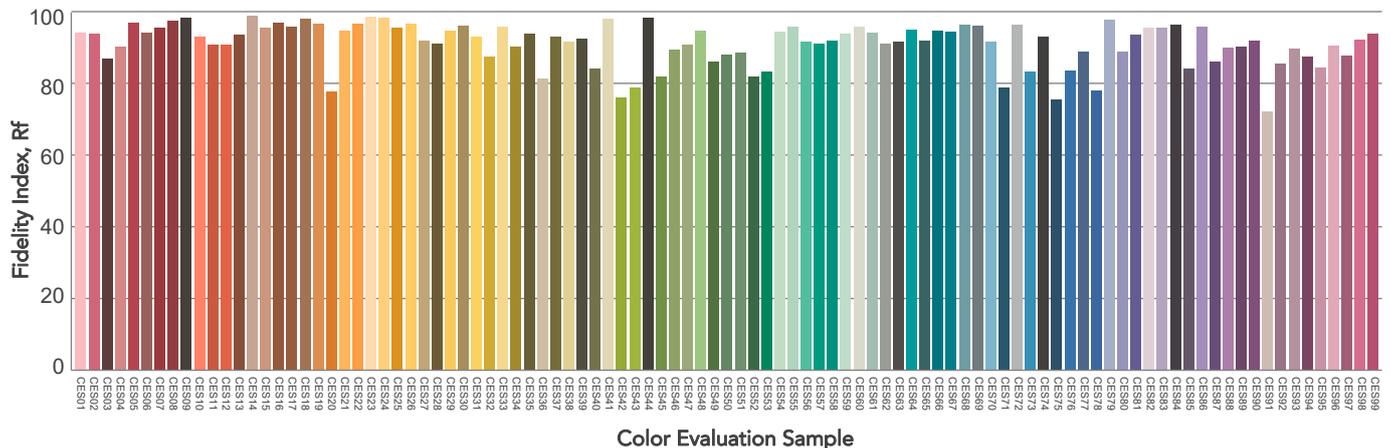
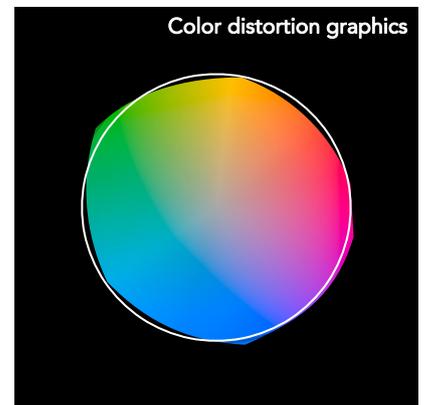
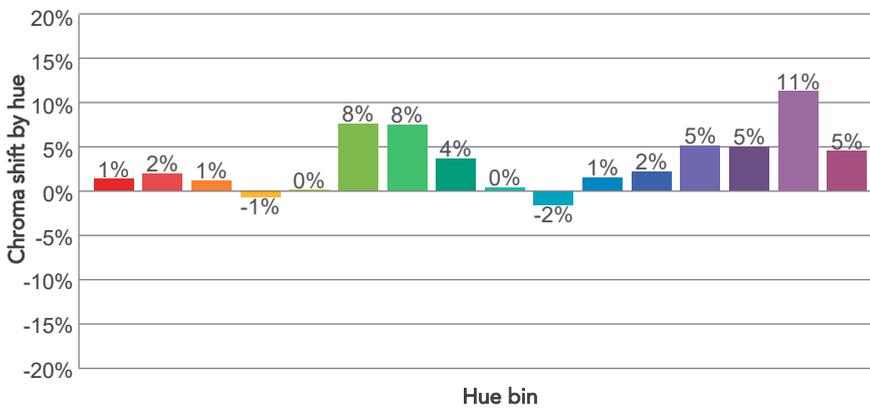
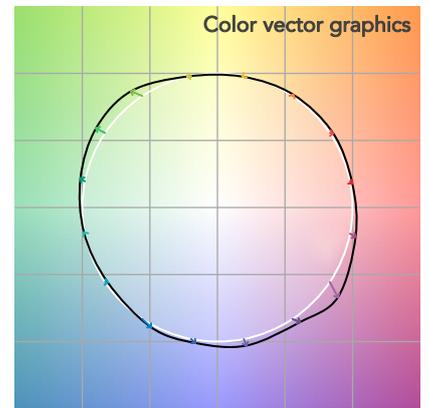
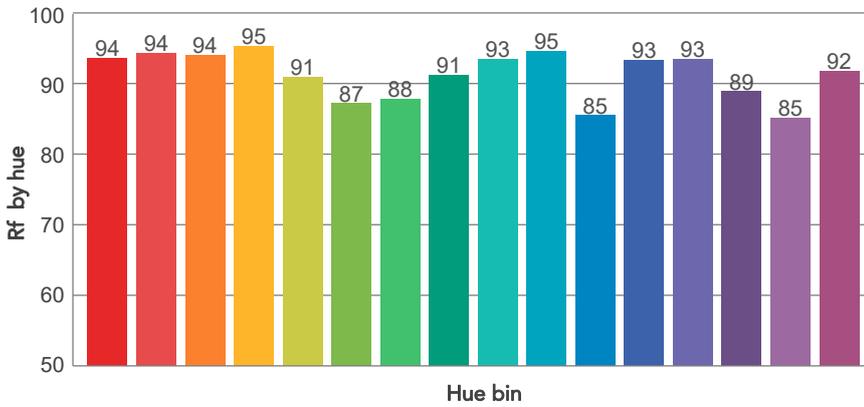
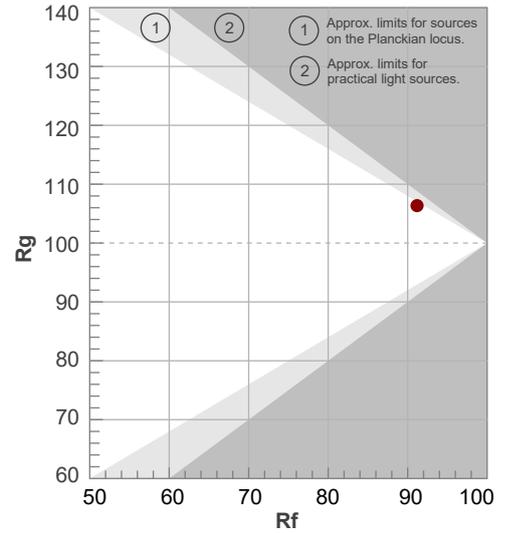
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5598 K	92,1	95,9	91,2	106,4	93,3	84	0,330	0,347	0,0042

TM30 DETAILS

Rf 91,2
Fidelity index Rf

Rg 106,4
Gammut index

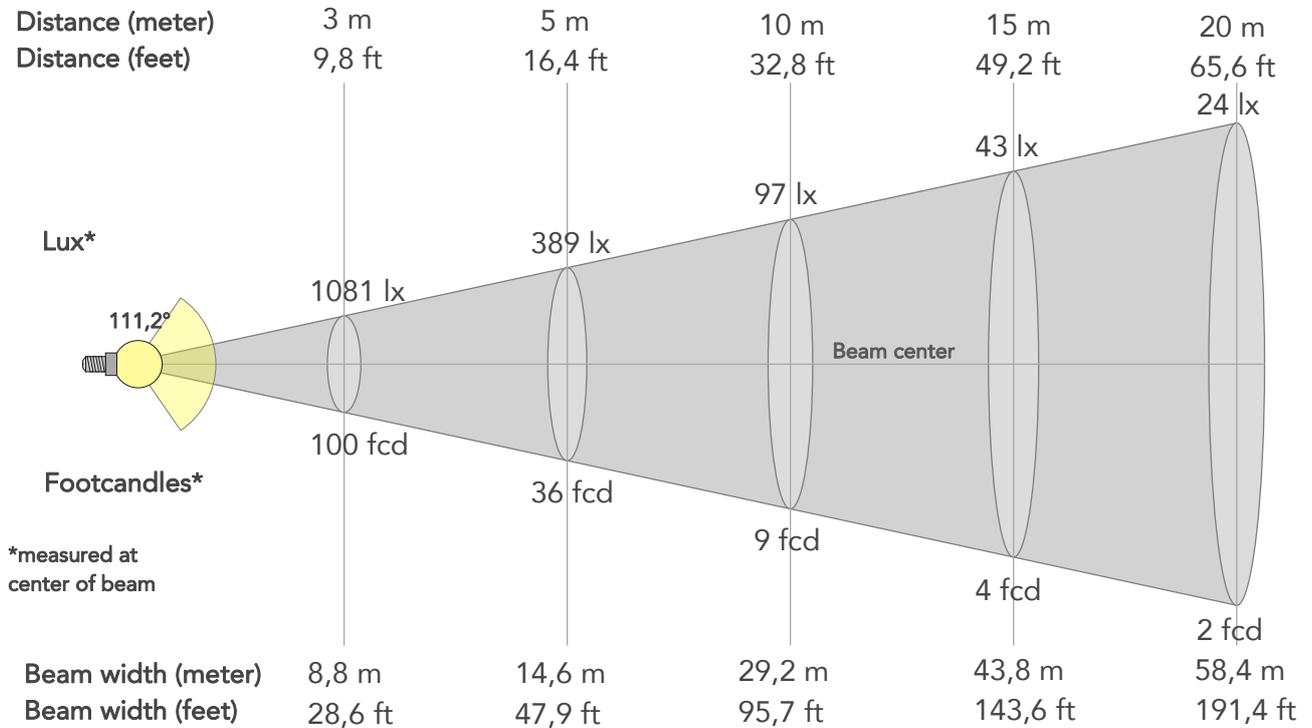
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	1%	-2%
2	94	2%	-1%
3	94	1%	0%
4	95	-1%	1%
5	91	0%	3%
6	87	8%	5%
7	88	8%	1%
8	91	4%	-2%
9	93	0%	-1%
10	95	-2%	1%
11	85	1%	9%
12	93	2%	4%
13	93	5%	1%
14	89	5%	3%
15	85	11%	-6%
16	92	5%	-1%



BEAM DETAILS



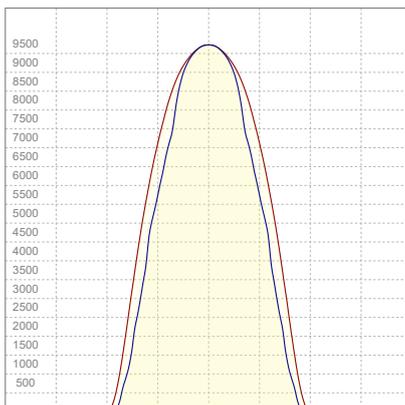
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
111,2°	151,4°	163,6°	83,2%	57,2%



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	9729lx	2432lx	1081lx	608lx	389lx	173lx	97lx	43lx	24lx	16lx	11lx	6lx	4lx
Footcand.	904fcd	226fcd	100fcd	56fcd	36fcd	16fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	2,9m	5,8m	8,8m	11,7m	14,6m	21,9m	29,2m	43,8m	58,4m	73m	87,5m	116,7m	145,9m
Beam wid.	9,6ft	19,3ft	28,6ft	38,2ft	47,9ft	71,8ft	95,7ft	143,6ft	191,4ft	239,3ft	287,2ft	382,9ft	478,6ft

LINEAR DISTRIBUTION DIAGRAM

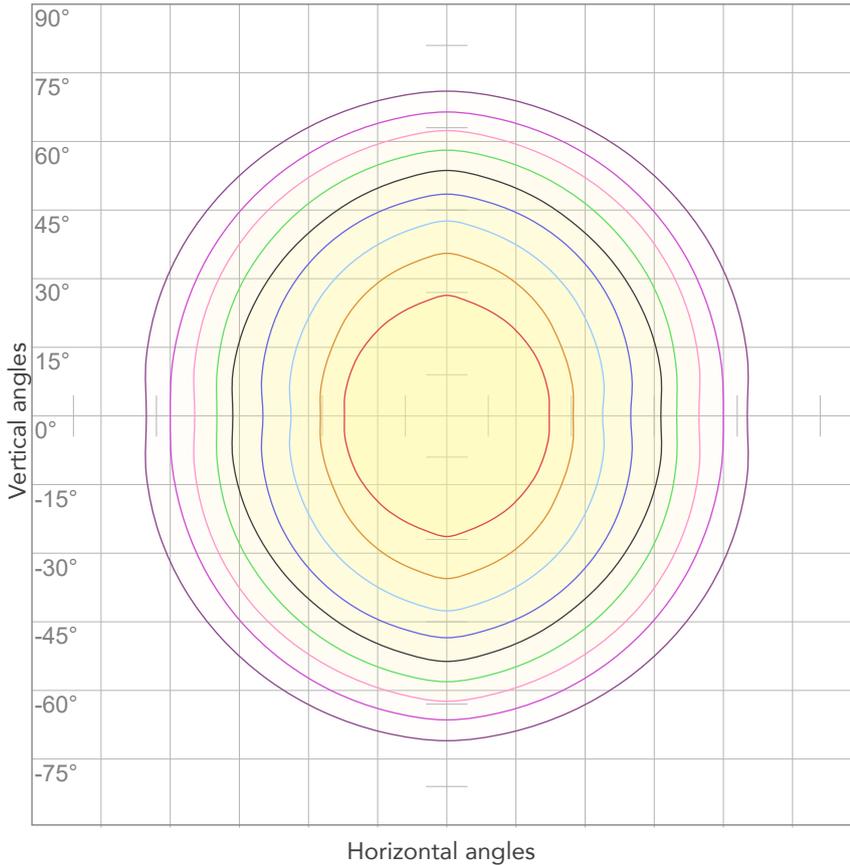


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	1,74A	386,1W	0,98	68lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



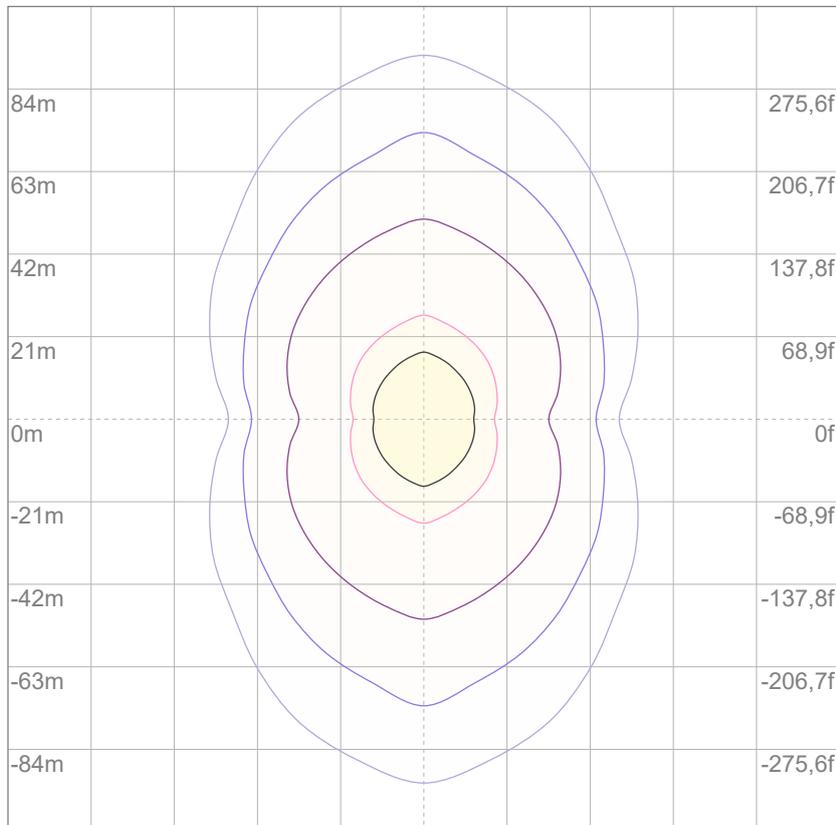
10%	973 cd
20%	1946 cd
30%	2919 cd
40%	3892 cd
50%	4864 cd
60%	5837 cd
70%	6810 cd
80%	7783 cd

Conditions:

Number of c-planes: 4

Candela at center: 9729 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	2,92 lx
5%	4,86 lx
10%	9,73 lx
30%	29,2 lx
50%	48,6 lx

Conditions:

Number of c-planes: 4

Lux at center: 97,3 lx

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



Total lumen output:

25599 lm

Peak candela output:

9494 cd

Light quality:

CRI: 92,3

Color temperature:

5992 K

PRODUCT NAME:

SUNBARFLX

MEASUREMENT CONDITIONS:

Beam angle:

Plate

Target:

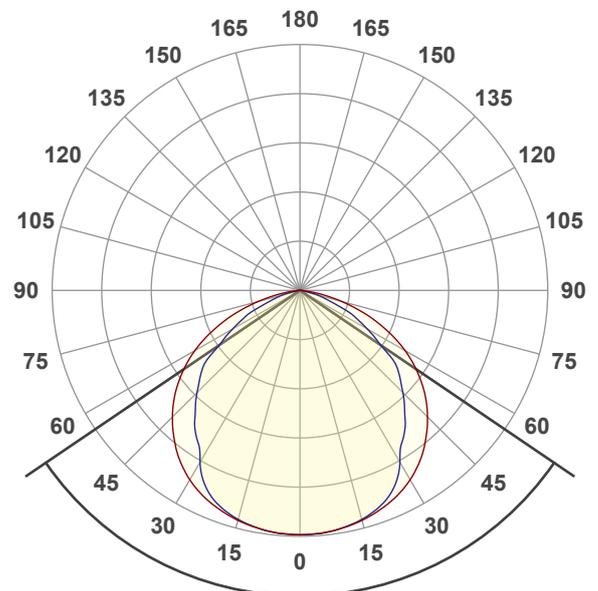
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Operator:

Giuseppe della Peruta

Date and time:

23/02/2026 13:29:12

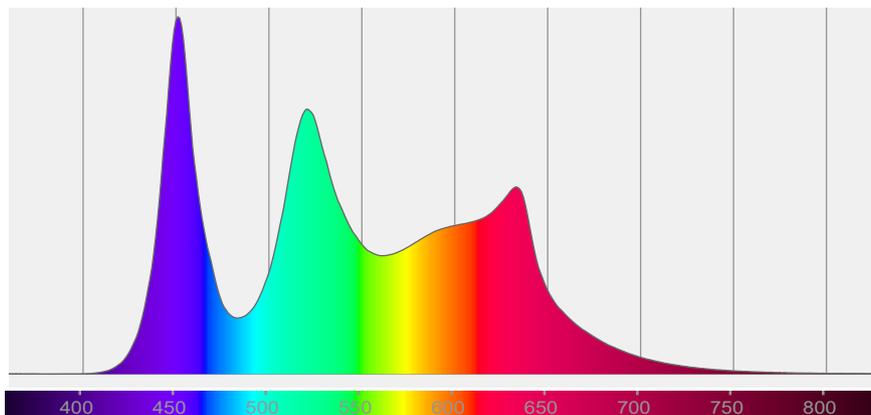


Beam angle 50%: 111,3°

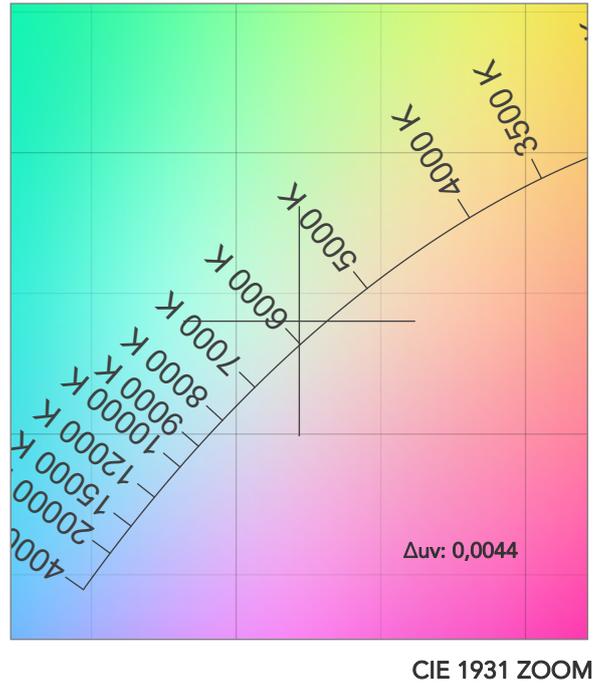
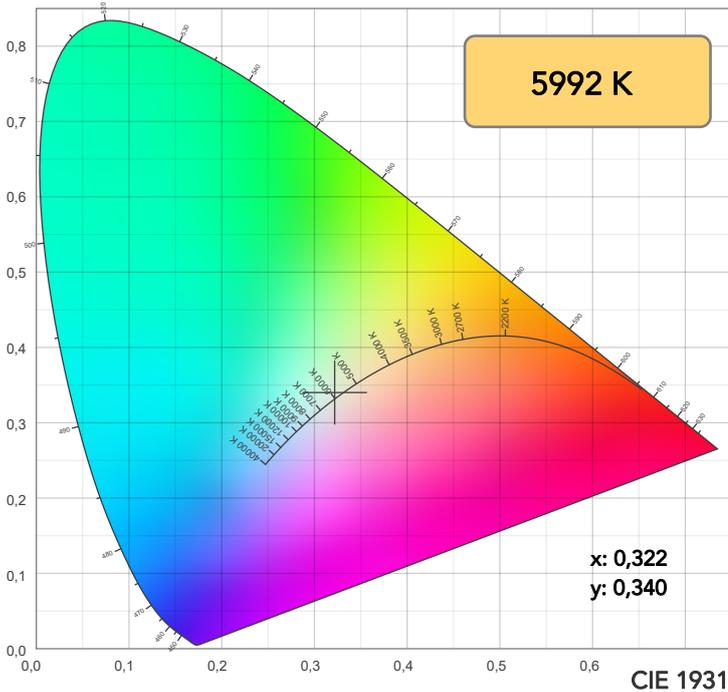
Field angle 10%: 151,5°

Cut off angle 2.5%: 163,6°

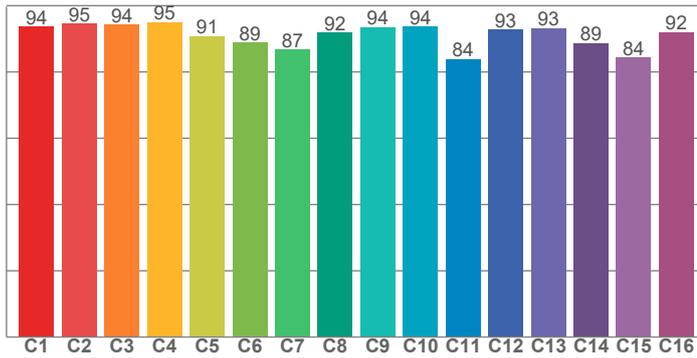
Spectra



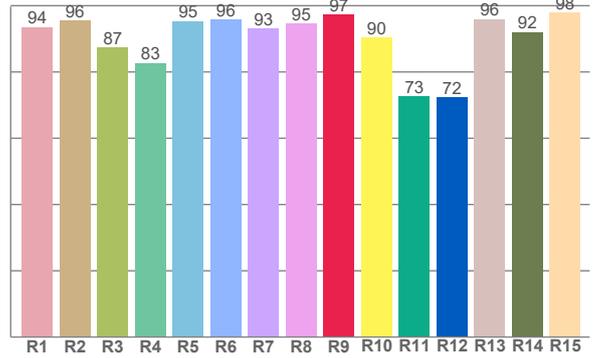
COLOR DETAILS



TM30: 91,0



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
93,6	95,5	87,5	82,7	95,4	95,9	93,1	94,6	97,4	90,4	72,6	72,3	96,0	92,1	98,0

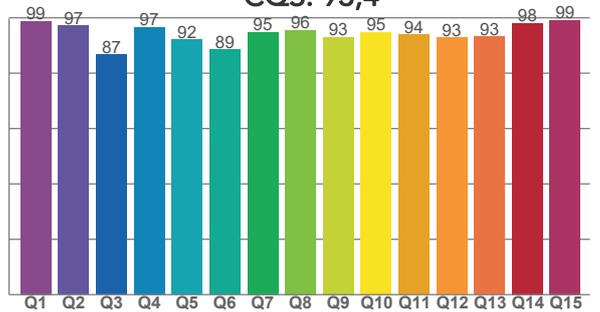
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,7	94,6	94,2	95,1	90,8	88,9	86,8	91,8	93,5	93,7	83,9	92,7	93,2	88,8	84,4	92,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,8	97,2	86,6	96,6	92,1	88,5	94,8	95,5	93,1	94,8	94,0	92,8	93,2	98,0	99,2

CQS: 93,4



COLOR PARAMETERS

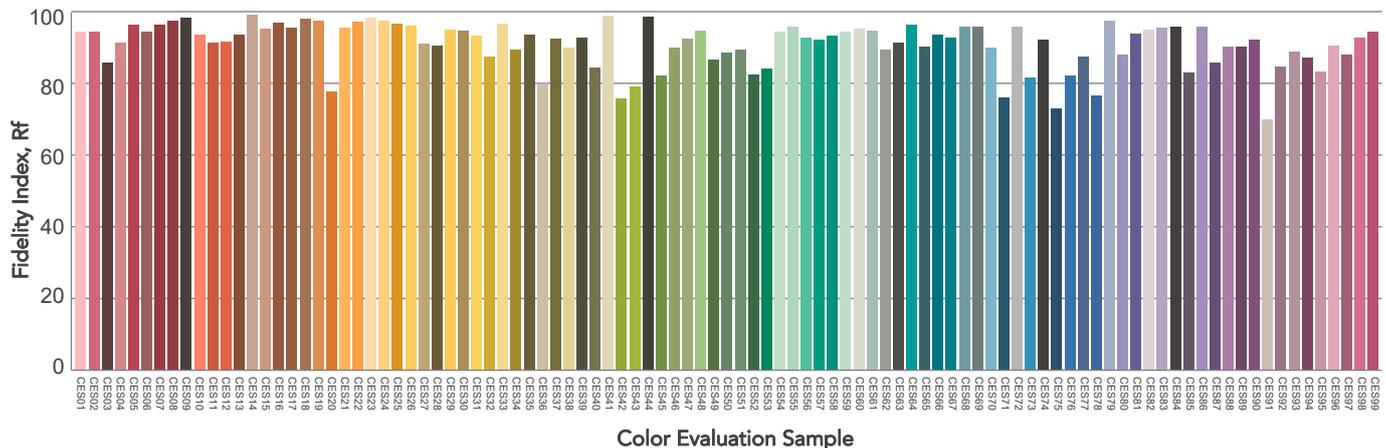
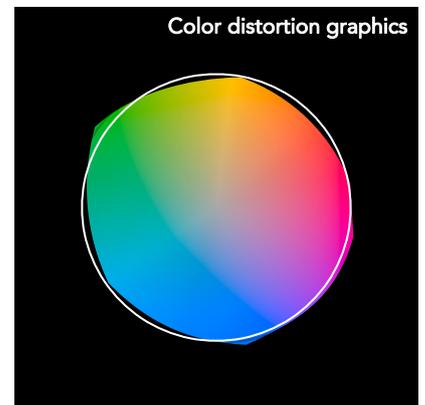
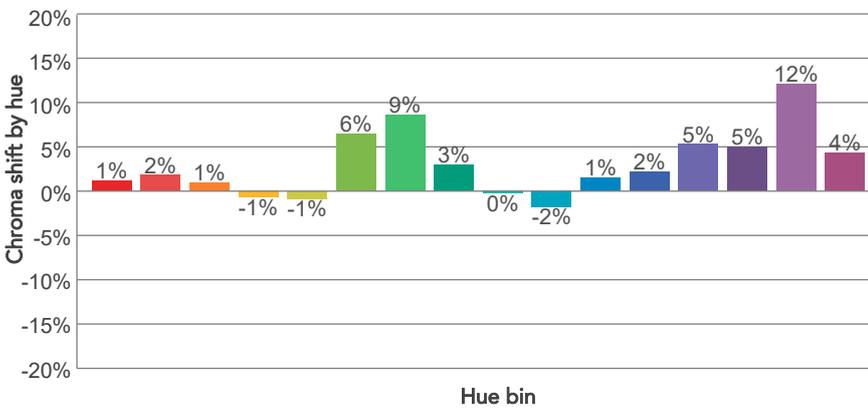
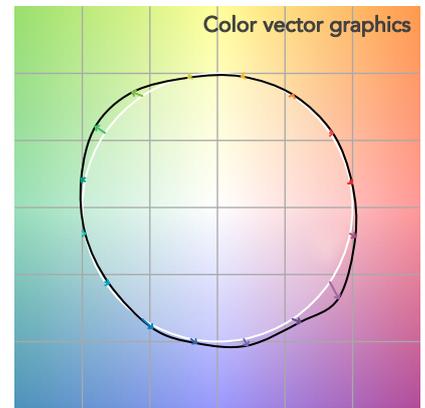
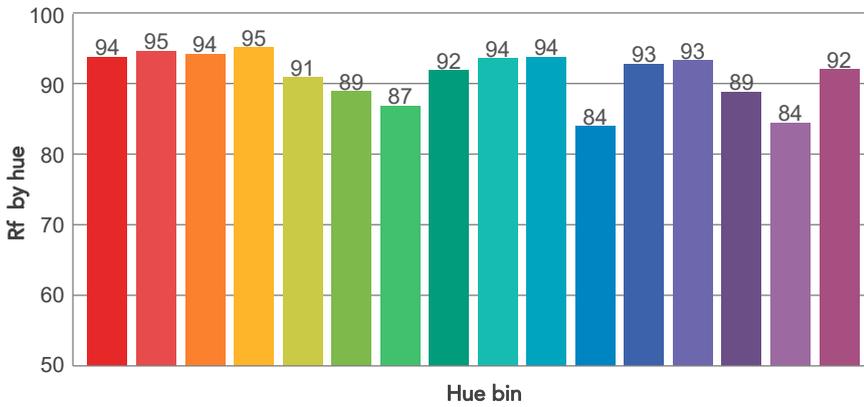
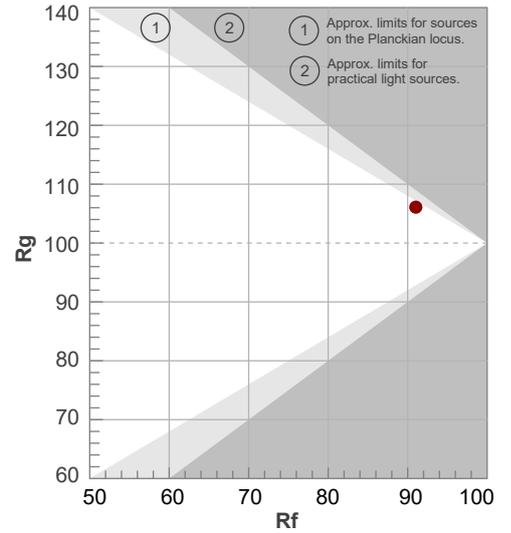
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5992 K	92,3	97,4	91,0	106,1	93,4	85	0,322	0,340	0,0044

TM30 DETAILS

Rf 91,0
Fidelity index Rf

Rg 106,1
Gammut index

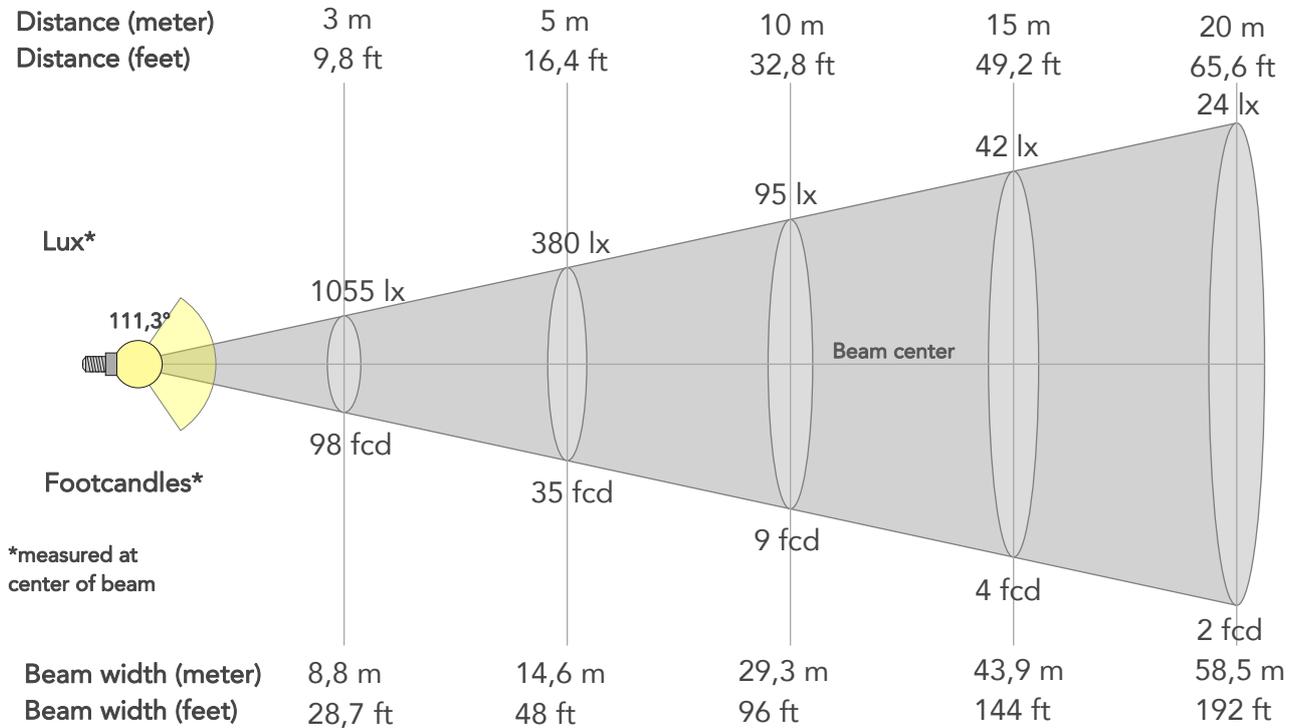
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	1%	-2%
2	95	2%	-1%
3	94	1%	0%
4	95	-1%	1%
5	91	-1%	2%
6	89	6%	5%
7	87	9%	0%
8	92	3%	-1%
9	94	0%	0%
10	94	-2%	3%
11	84	1%	10%
12	93	2%	4%
13	93	5%	2%
14	89	5%	4%
15	84	12%	-6%
16	92	4%	-1%



BEAM DETAILS



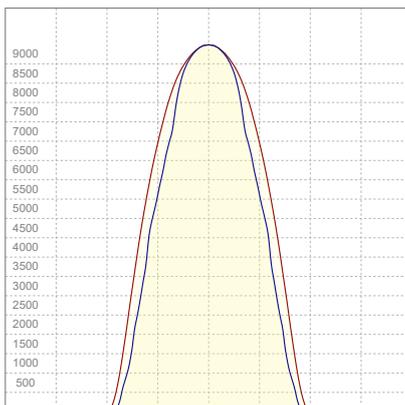
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
111,3°	151,5°	163,6°	83,1%	57,1%



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	9492lx	2373lx	1055lx	593lx	380lx	169lx	95lx	42lx	24lx	15lx	11lx	6lx	4lx
Footcand.	882fcd	220fcd	98fcd	55fcd	35fcd	16fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	2,9m	5,9m	8,8m	11,7m	14,6m	21,9m	29,3m	43,9m	58,5m	73,2m	87,8m	117,1m	146,3m
Beam wid.	9,7ft	19,3ft	28,7ft	38,3ft	48ft	72ft	96ft	144ft	192ft	240ft	288ft	384ft	479,9ft

LINEAR DISTRIBUTION DIAGRAM

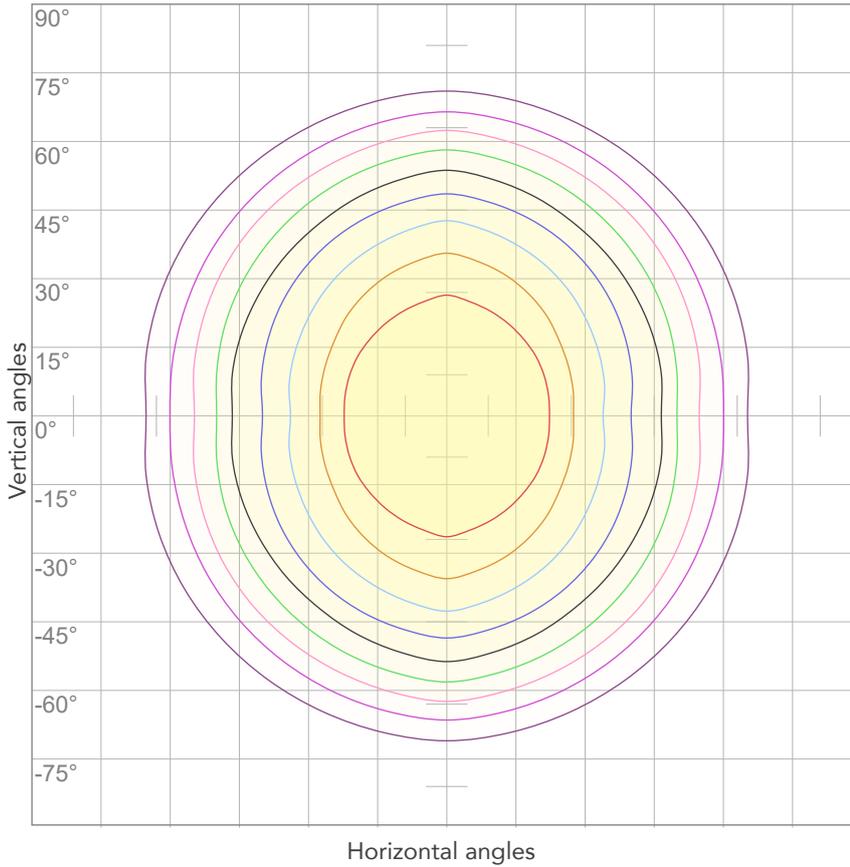


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	1,71A	382,4W	0,98	67lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



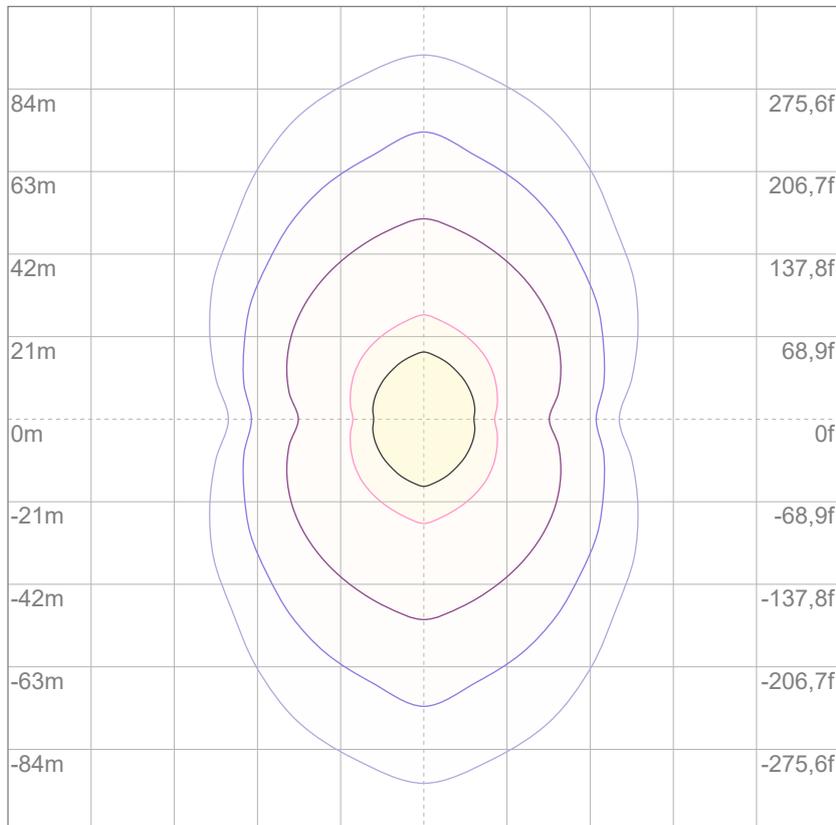
10%	949 cd
20%	1898 cd
30%	2848 cd
40%	3797 cd
50%	4746 cd
60%	5695 cd
70%	6645 cd
80%	7594 cd

Conditions:

Number of c-planes: 4

Candela at center: 9492 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	2,85 lx
5%	4,75 lx
10%	9,49 lx
30%	28,5 lx
50%	47,5 lx

Conditions:

Number of c-planes: 4

Lux at center: 94,9 lx

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