

Photometric Test Report



Sunblast FLX

IP65 modular and graphical LED Strobe with white string + RGB+WW panel, 1200W peak power

(PRELIMINARY)

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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:

40507 lm

Peak candela output:

20664 cd

Light quality:

CRI: 90,4

Color temperature:

6183 K

PRODUCT NAME:

SUNBLASTFLX

MEASUREMENT CONDITIONS:

Beam angle:

Original Optic

Target:

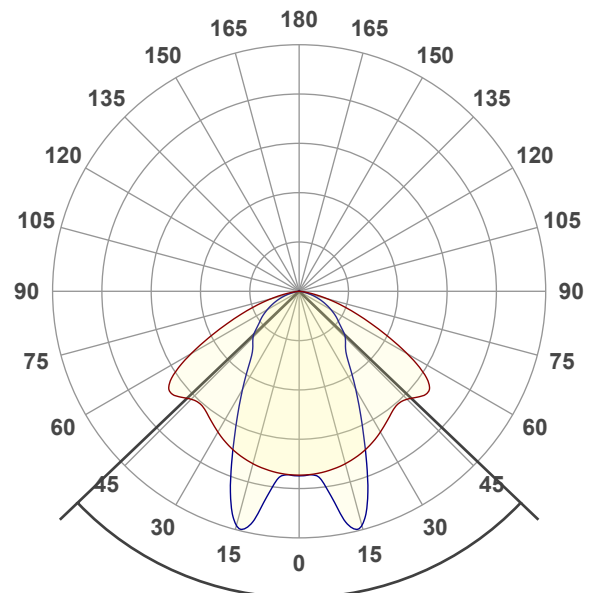
Full On (Plate + Beam) - HB

Operator:

Salvatore Giglio

Date and time:

14/10/2024 17:41:06

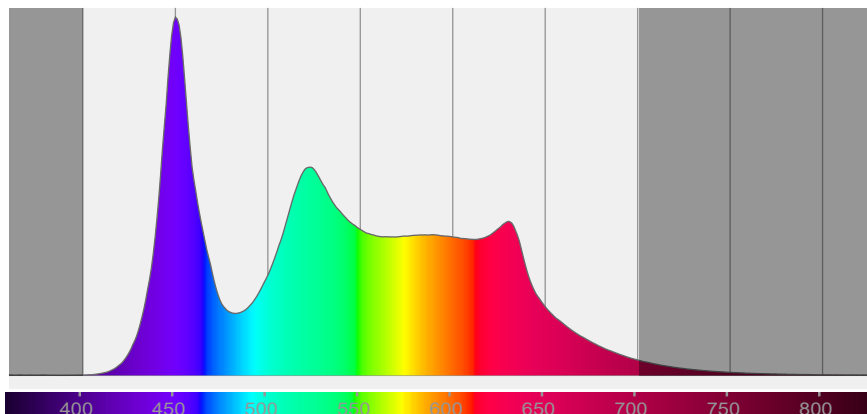


Beam angle 50%: 92,7°

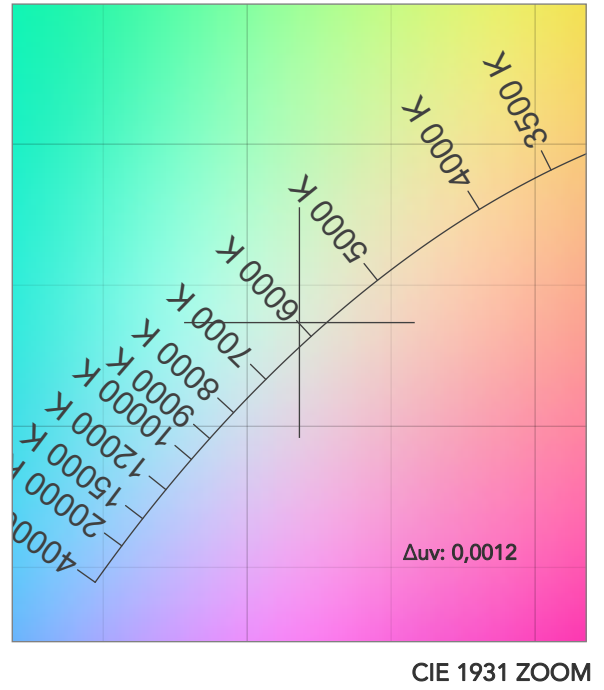
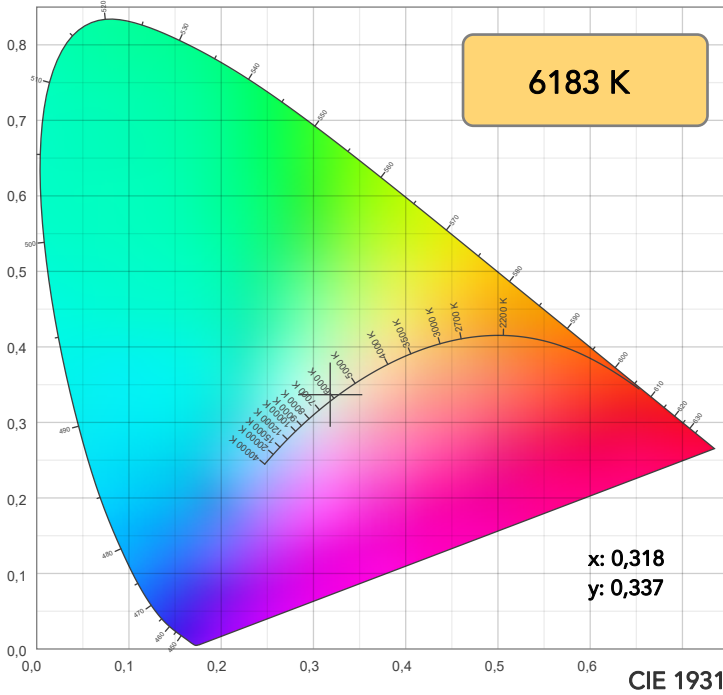
Field angle 10%: 145°

Cut off angle 2.5%: 161,8°

Spectra

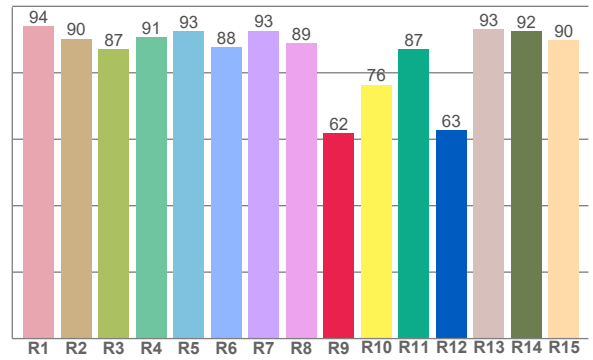
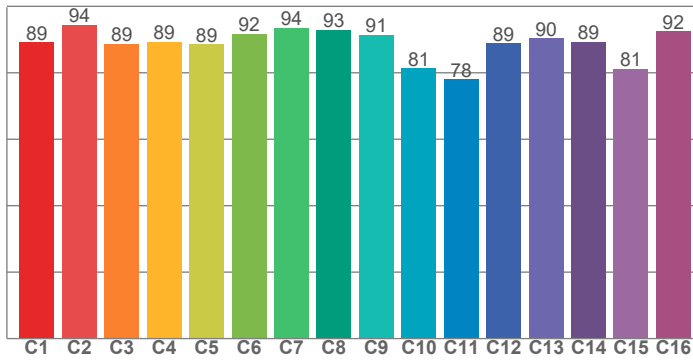


COLOR DETAILS



TM30: 88,6

CRI: 90,4 (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
94,0	90,2	87,1	90,6	92,5	87,6	92,7	88,8	61,7	76,4	87,2	62,7	93,1	92,5	89,9

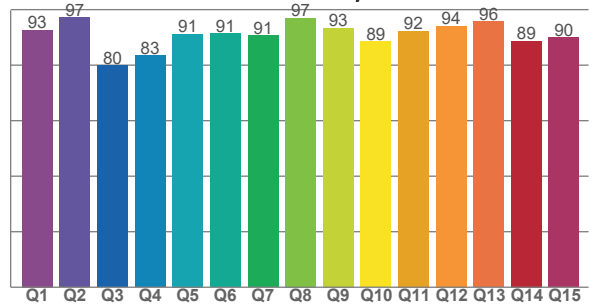
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,2	94,4	88,8	89,4	88,5	91,8	93,6	92,9	91,4	81,4	78,0	88,9	90,4	89,4	81,2	92,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,7	97,1	79,8	83,4	91,3	91,4	90,8	97,0	93,4	88,6	92,2	94,0	95,8	88,6	90,0

CQS: 90,0



COLOR PARAMETERS

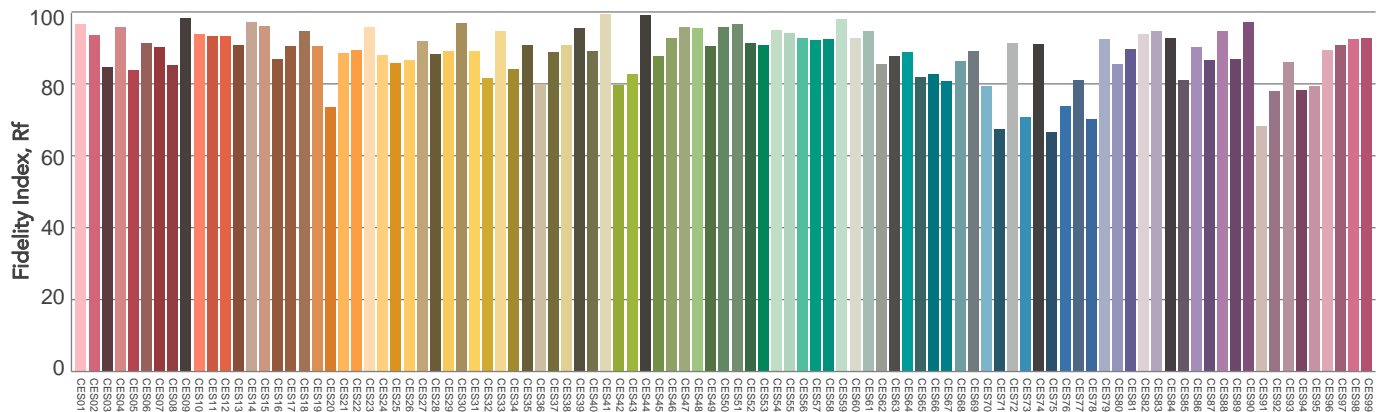
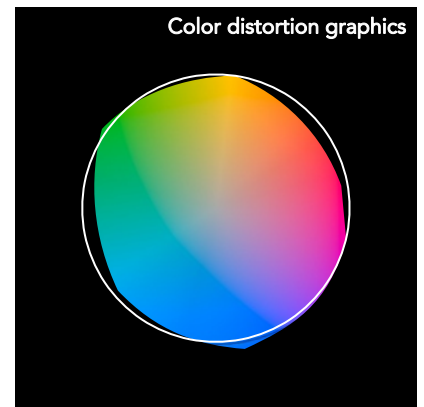
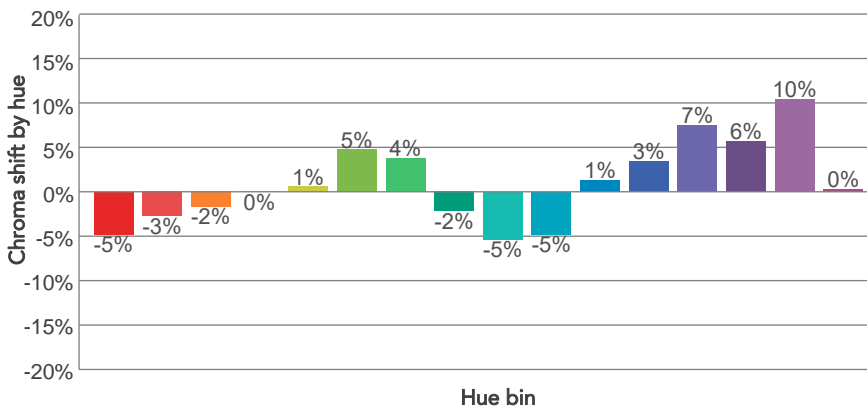
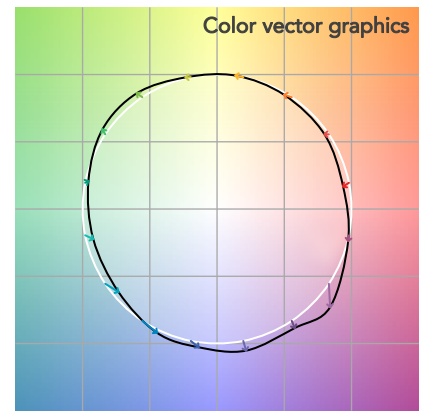
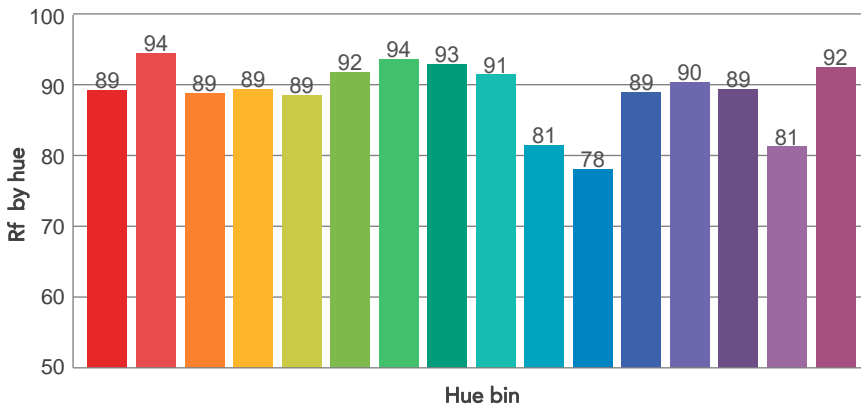
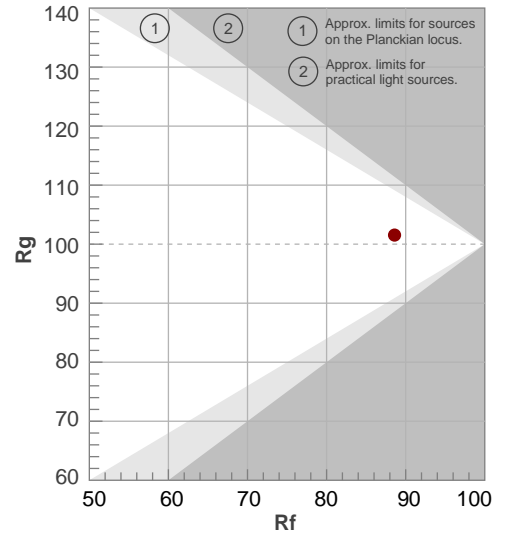
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6183 K	90,4	61,7	88,6	101,5	90,0	89	0,318	0,337	0,0012

TM30 DETAILS

Rf 88,6
Fidelity index Rf

Rg 101,5
Gammut index

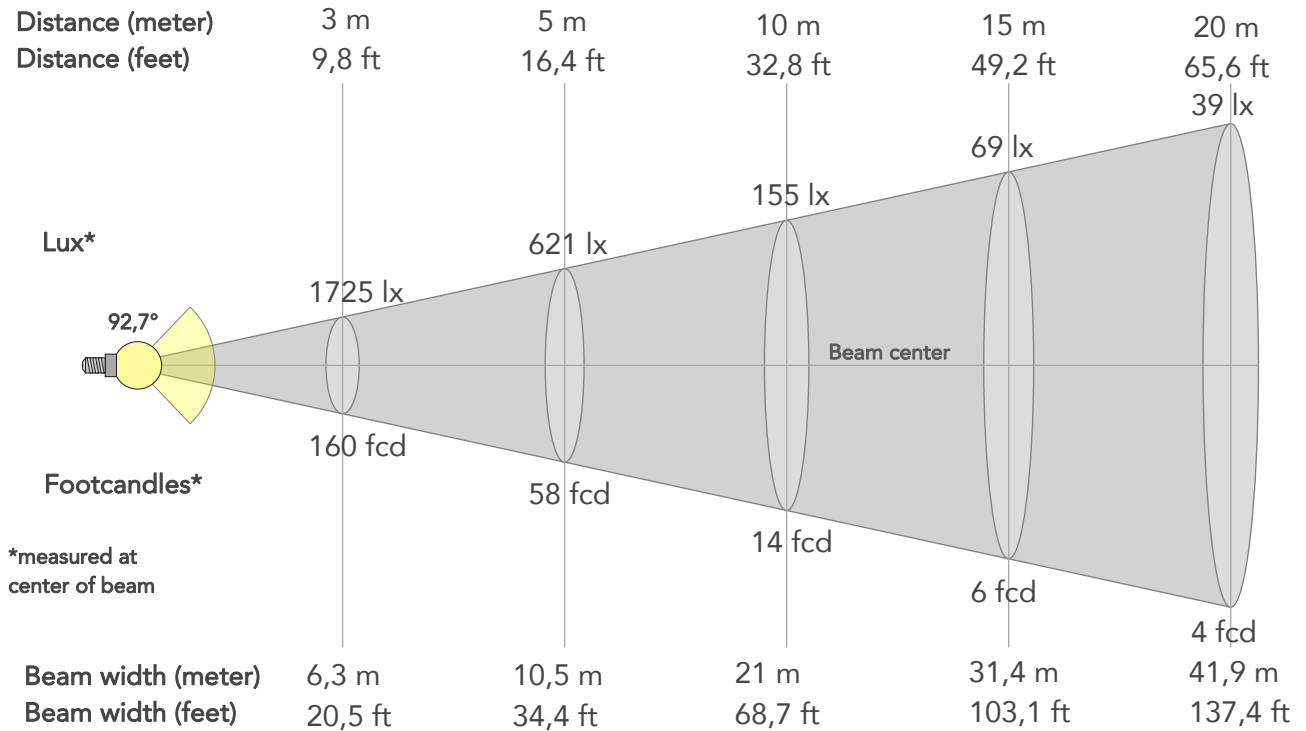
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	-5%	-2%
2	94	-3%	2%
3	89	-2%	6%
4	89	0%	6%
5	89	1%	4%
6	92	5%	2%
7	94	4%	-2%
8	93	-2%	-2%
9	91	-5%	4%
10	81	-5%	11%
11	78	1%	14%
12	89	3%	7%
13	90	7%	1%
14	89	6%	-1%
15	81	10%	-14%
16	92	0%	-4%



BEAM DETAILS



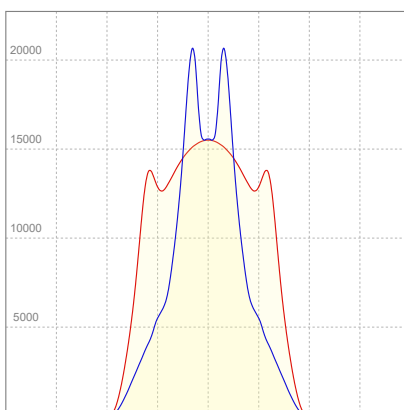
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
92,7°	145°	161,8°	83,0%	55,5%



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	15527lx	3882lx	1725lx	970lx	621lx	276lx	155lx	69lx	39lx	25lx	17lx	10lx	6lx
Footcand.	1443fcd	361fcd	160fcd	90fcd	58fcd	26fcd	14fcd	6fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	2,1m	4,2m	6,3m	8,4m	10,5m	15,7m	21m	31,4m	41,9m	52,4m	62,9m	83,8m	104,8m
Beam wid.	6,9ft	13,8ft	20,5ft	27,4ft	34,4ft	51,5ft	68,7ft	103,1ft	137,4ft	171,8ft	206,2ft	274,9ft	343,6ft

LINEAR DISTRIBUTION DIAGRAM

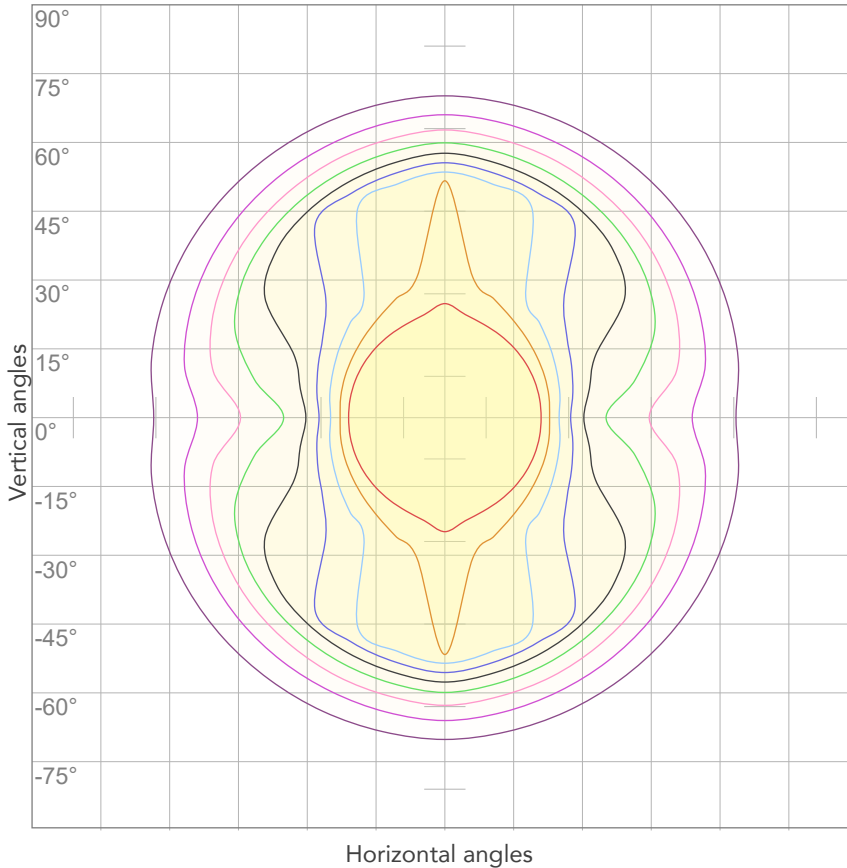


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	1,97A	437,8W	0,99	93lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



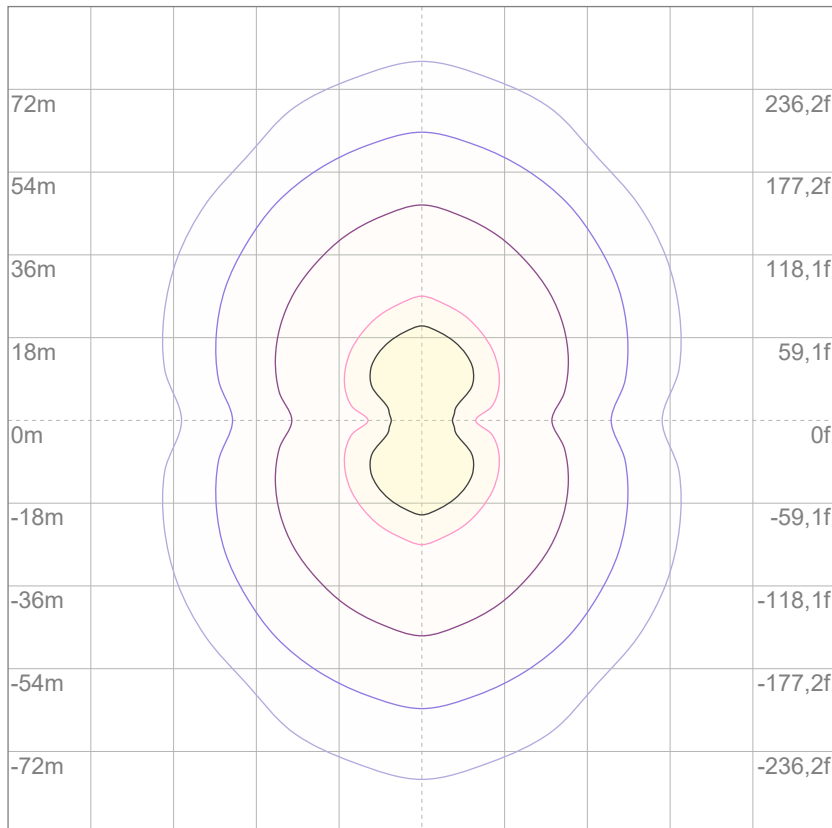
10%	1553 cd
20%	3105 cd
30%	4658 cd
40%	6211 cd
50%	7764 cd
60%	9316 cd
70%	10869 cd
80%	12422 cd

Conditions:

Number of c-planes: 4

Candela at center: 15527 cd

ISO LUX DIAGRAM



3%	4,66 lx
5%	7,76 lx
10%	15,5 lx
30%	46,6 lx
50%	77,6 lx

Conditions:

Number of c-planes: 4

Lux at center: 155 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:

44924 lm

Peak candela output:

28620 cd

Light quality:

CRI: 81,2

Color temperature:

5587 K

PRODUCT NAME:

SUNBLASTFLX

MEASURAMENT CONDITIONS:

Beam angle:

Original Optic

Target:

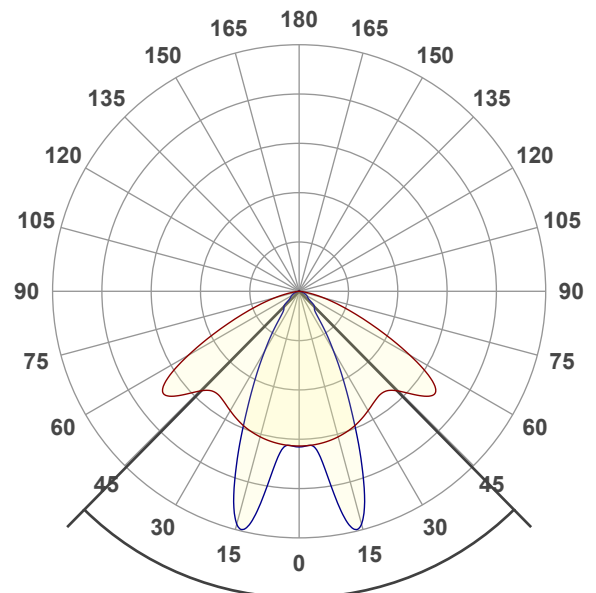
Beam - HB

Operator:

Salvatore Giglio

Date and time:

14/10/2024 17:46:42

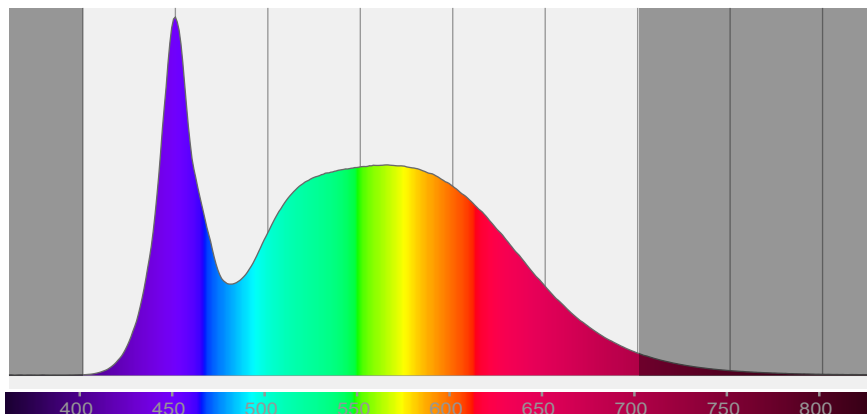


Beam angle 50%: 89,1°

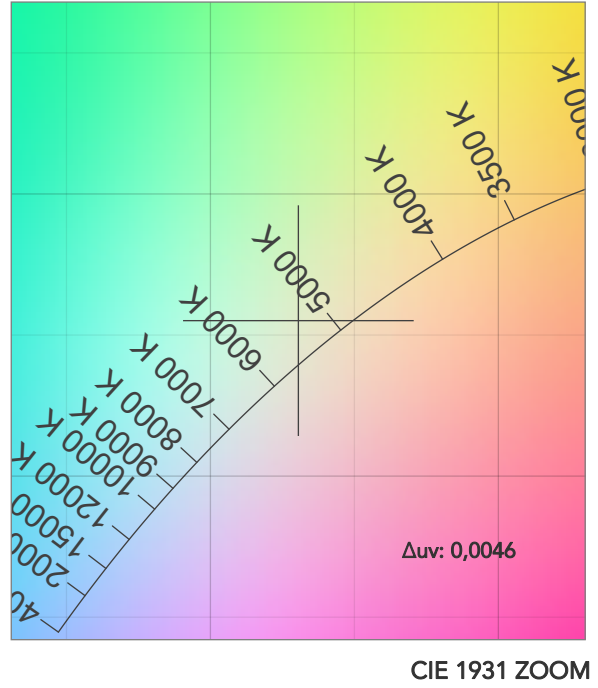
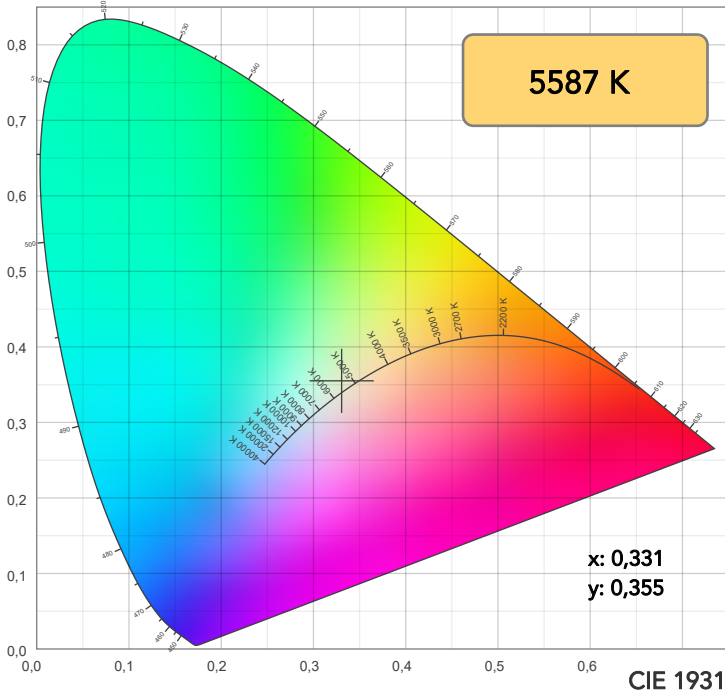
Field angle 10%: 116,8°

Cut off angle 2.5%: 149,5°

Spectra

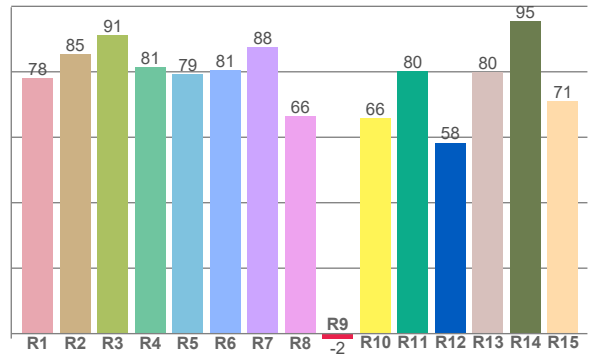
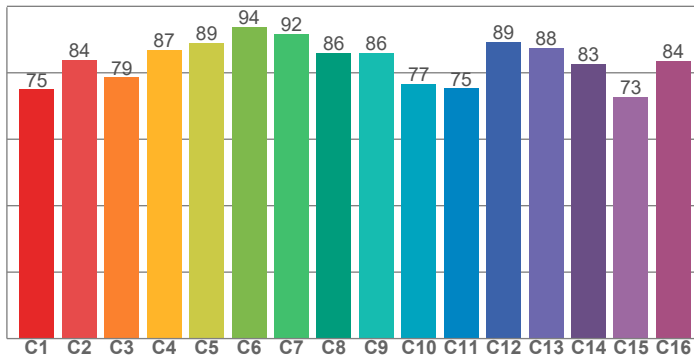


COLOR DETAILS



TM30: 83,5

CRI: 81,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
78,1	85,3	91,3	81,3	79,2	80,6	87,6	66,5	-1,5	65,9	80,2	58,3	79,8	95,4	71,1

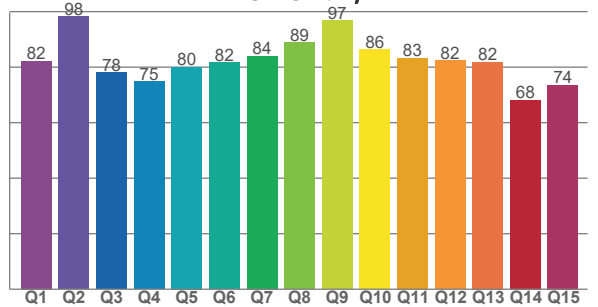
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
75,1	83,9	78,7	87,0	89,0	93,8	91,7	86,0	86,1	76,7	75,3	89,3	87,5	82,6	72,8	83,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
82,3	98,3	78,1	74,7	80,0	81,6	84,0	89,0	96,8	86,4	83,3	82,4	81,9	68,2	73,6

CQS: 81,1



COLOR PARAMETERS

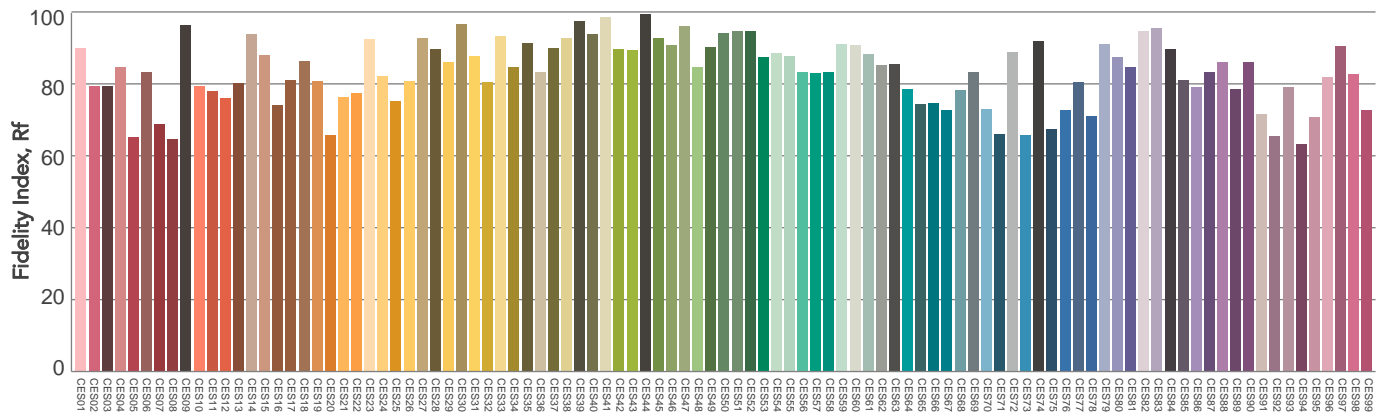
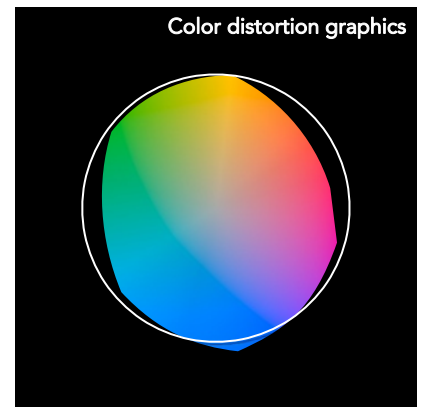
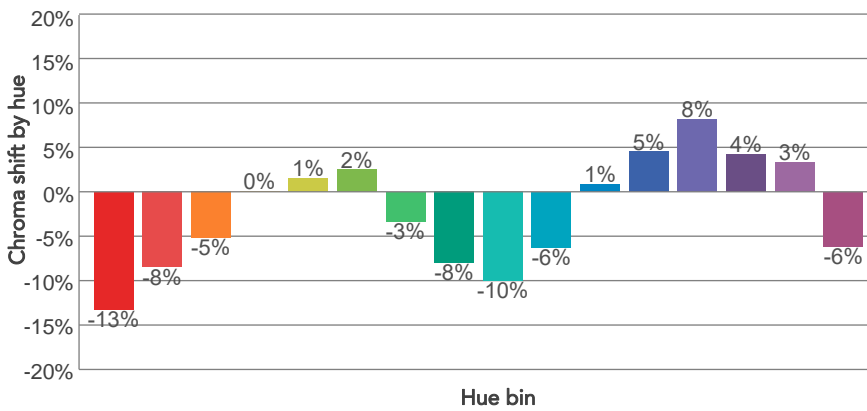
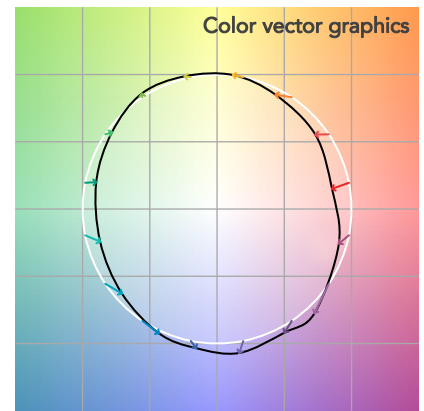
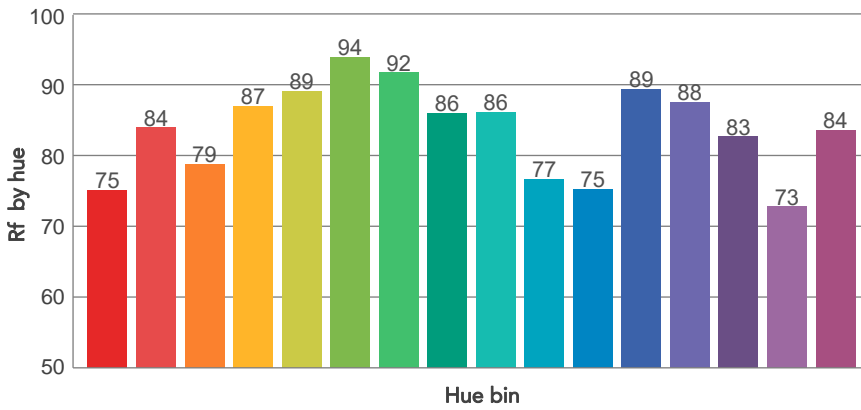
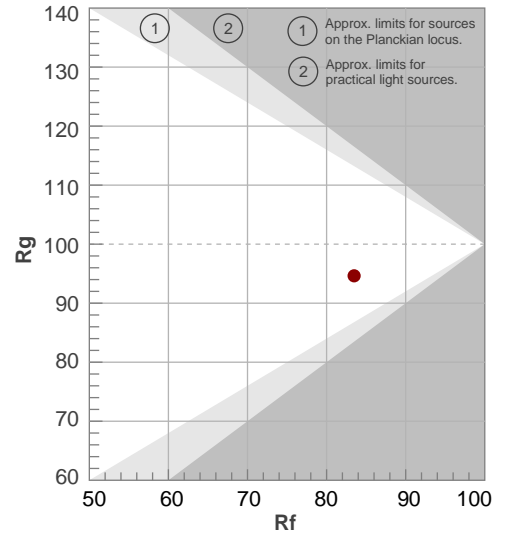
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5587 K	81,2	-1,5	83,5	94,6	81,1	74	0,331	0,355	0,0046

TM30 DETAILS

Rf 83,5
Fidelity index Rf

Rg 94,6
Gammut index

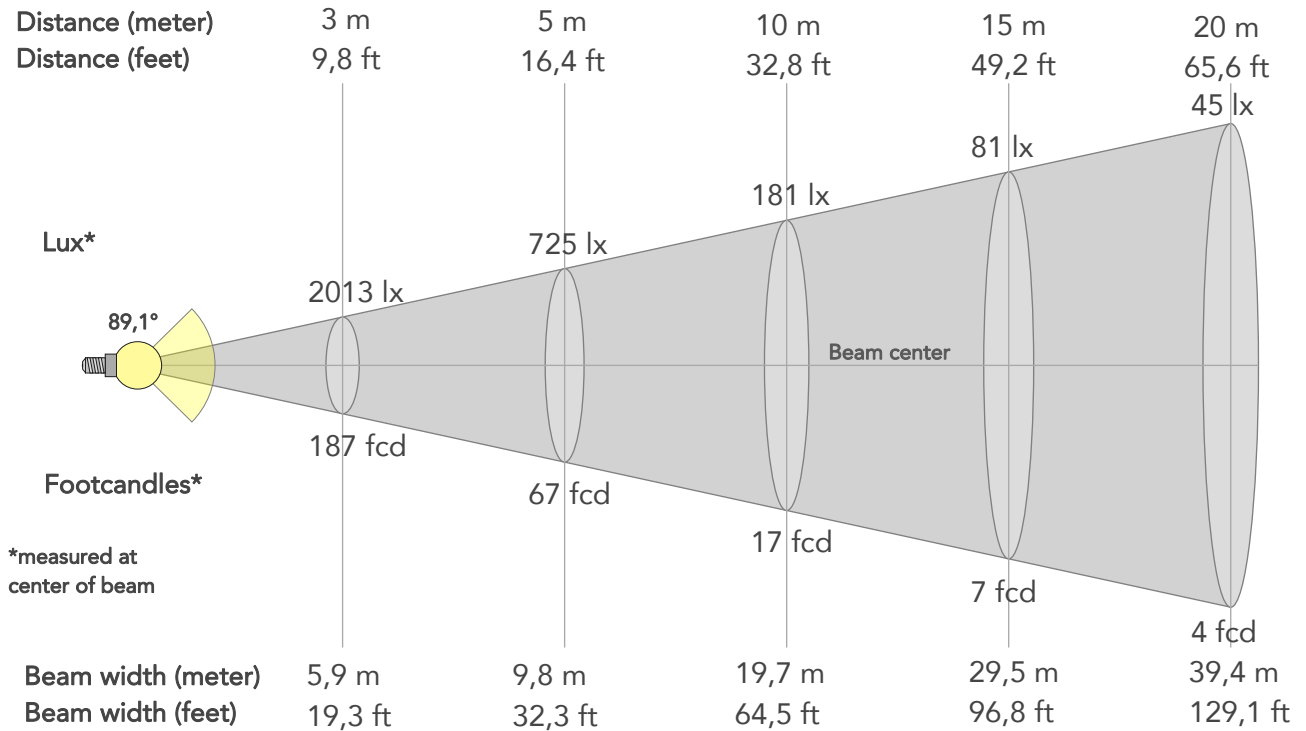
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	75	-13%	-2%
2	84	-8%	5%
3	79	-5%	11%
4	87	0%	8%
5	89	1%	4%
6	94	2%	-1%
7	92	-3%	-4%
8	86	-8%	-2%
9	86	-10%	7%
10	77	-6%	13%
11	75	1%	15%
12	89	5%	5%
13	88	8%	-5%
14	83	4%	-9%
15	73	3%	-24%
16	84	-6%	-8%



BEAM DETAILS



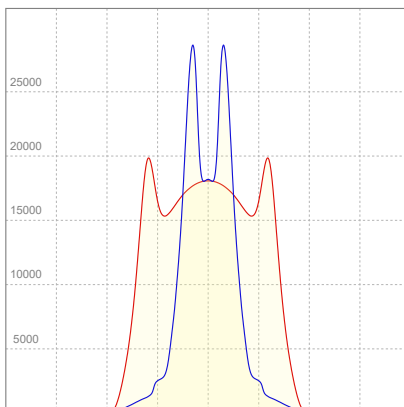
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
89,1°	116,8°	149,5°	83,6%	55,0%



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	18117lx	4529lx	2013lx	1132lx	725lx	322lx	181lx	81lx	45lx	29lx	20lx	11lx	7lx
Footcand.	1683fcd	421fcd	187fcd	105fcd	67fcd	30fcd	17fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	2m	3,9m	5,9m	7,9m	9,8m	14,8m	19,7m	29,5m	39,4m	49,2m	59m	78,7m	98,4m
Beam wid.	6,5ft	13ft	19,3ft	25,8ft	32,3ft	48,4ft	64,5ft	96,8ft	129,1ft	161,3ft	193,6ft	258,2ft	322,7ft

LINEAR DISTRIBUTION DIAGRAM

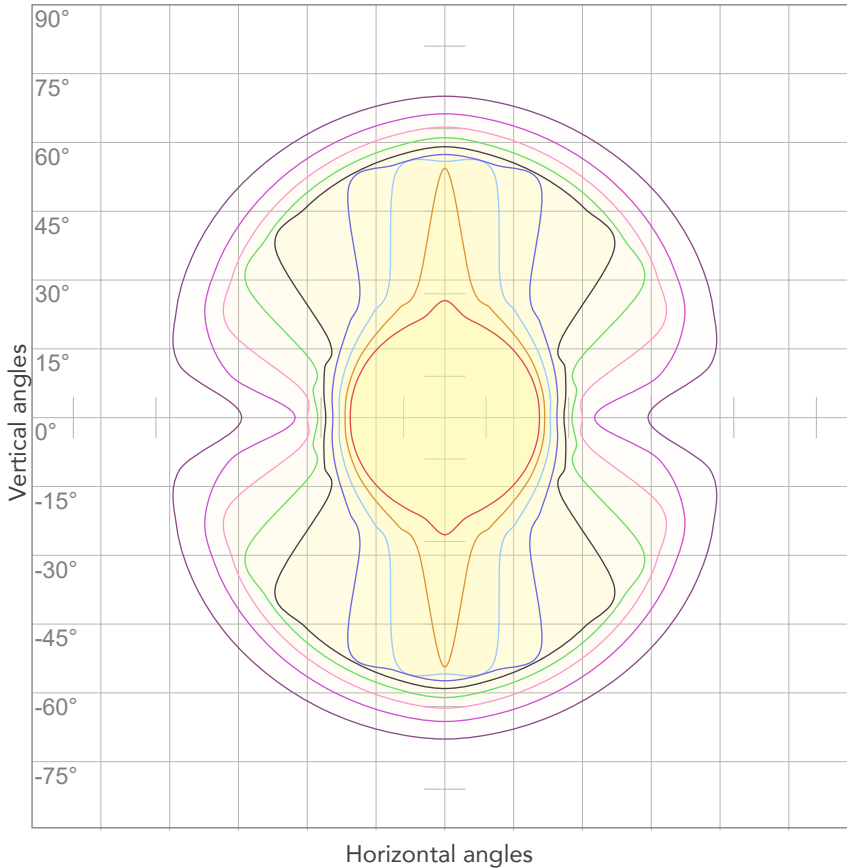


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	1,83A	406,2W	0,99	111lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



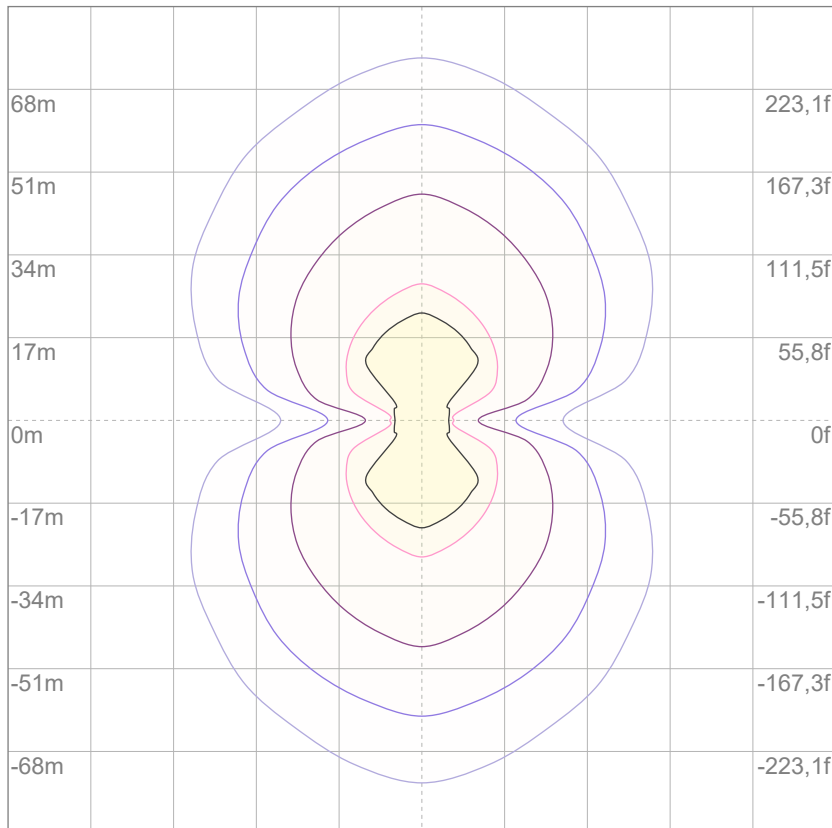
10%	1812 cd
20%	3623 cd
30%	5435 cd
40%	7247 cd
50%	9059 cd
60%	10870 cd
70%	12682 cd
80%	14494 cd

Conditions:

Number of c-planes: 4

Candela at center: 18117 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	5,44 lx
5%	9,06 lx
10%	18,1 lx
30%	54,4 lx
50%	90,6 lx

Conditions:

Number of c-planes: 4

Lux at center: 181 lx

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



Total lumen output:

32771 lm

Peak candela output:

11705 cd

Light quality:

CRI: 88,1

Color temperature:

6985 K

PRODUCT NAME:

SUNBLASTFLX

MEASUREMENT CONDITIONS:

Beam angle:

Original Optic

Target:

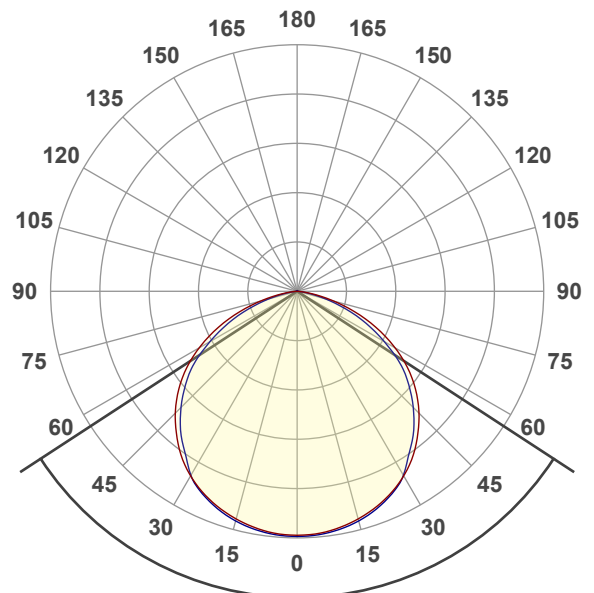
Full On RGBW (Plate) - HB

Operator:

Salvatore Giglio

Date and time:

14/10/2024 17:19:07

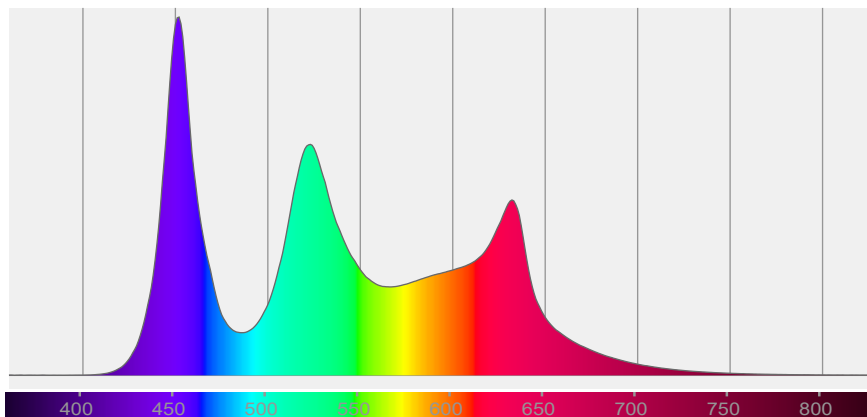


Beam angle 50%: 113,7°

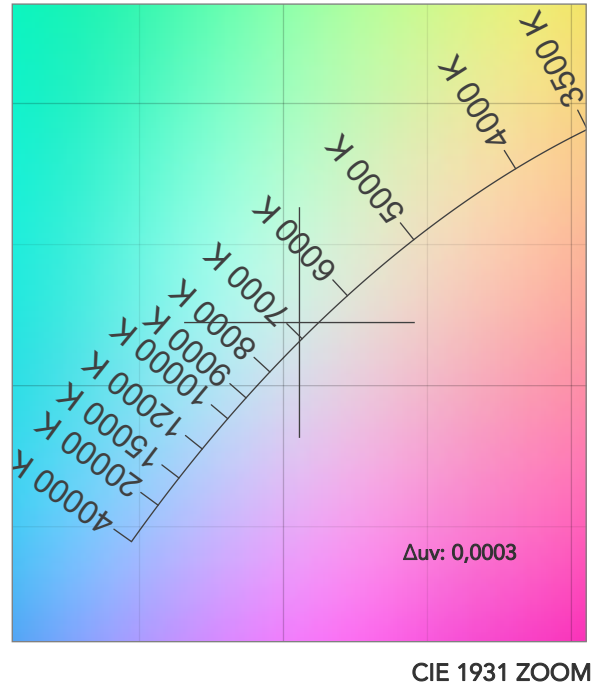
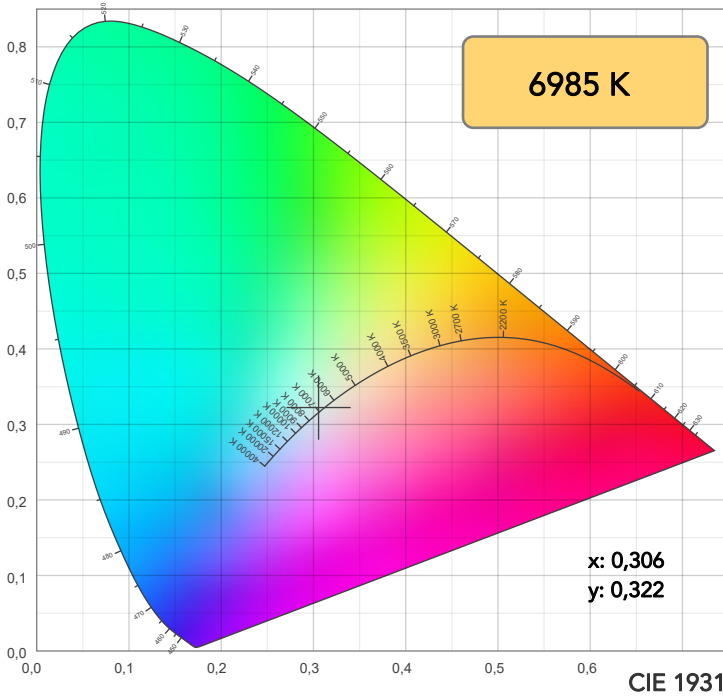
Field angle 10%: 154,3°

Cut off angle 2.5%: 166,1°

Spectra

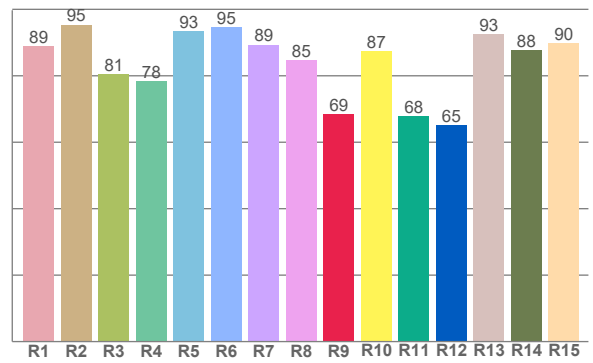
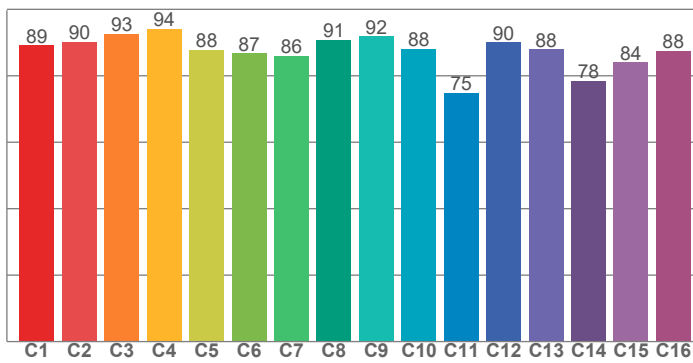


COLOR DETAILS



TM30: 88,2

CRI: 88,1 (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
88,9	95,4	80,5	78,4	93,4	94,6	89,4	84,6	68,5	87,4	67,7	65,1	92,6	87,7	89,8

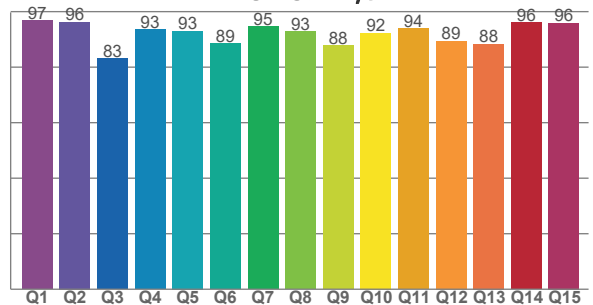
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,2	90,3	92,7	94,2	87,8	86,8	86,0	90,9	91,9	88,1	74,9	90,1	88,0	78,4	84,0	87,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,7	96,3	83,1	93,5	93,0	88,6	94,6	92,9	87,8	92,3	93,9	89,3	88,3	96,1	96,0

CQS: 91,3



COLOR PARAMETERS

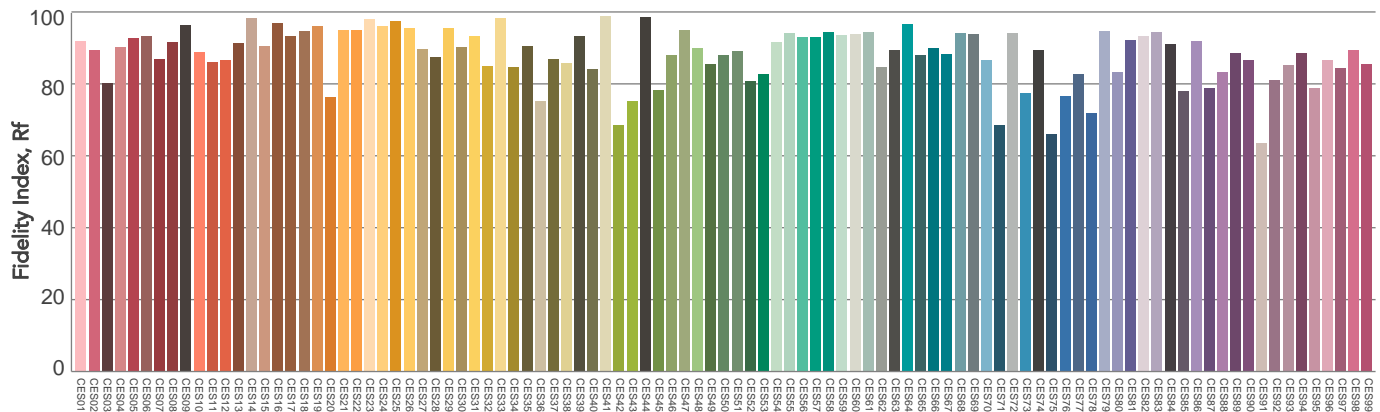
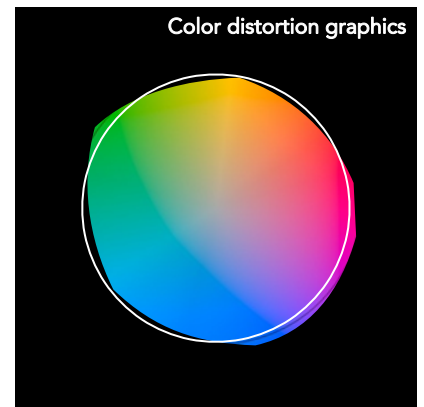
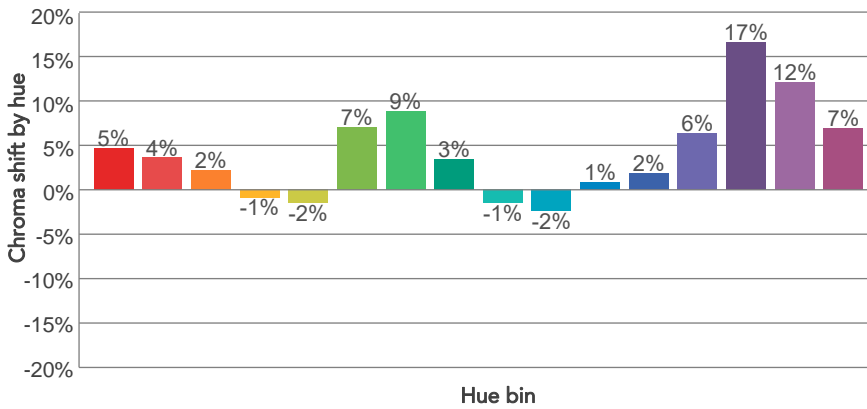
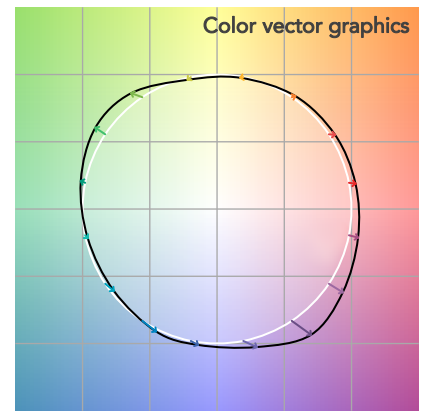
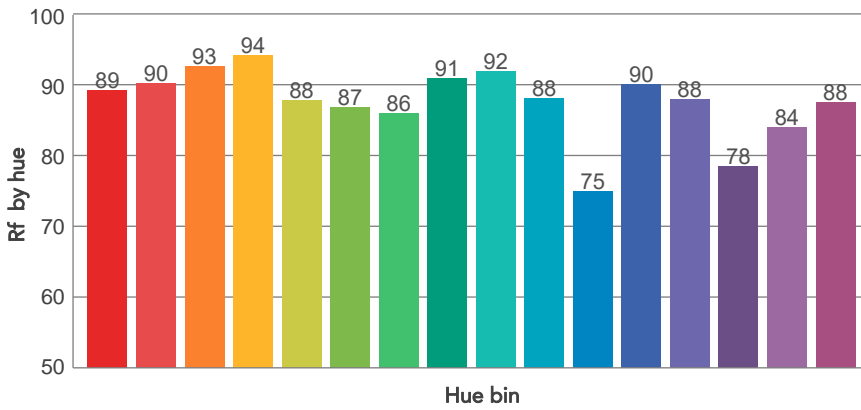
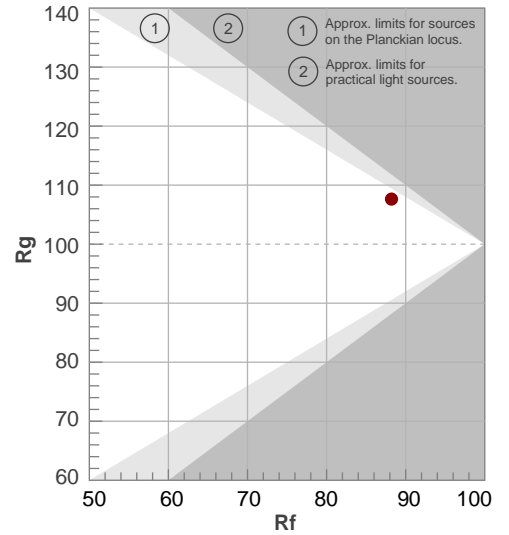
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6985 K	88,1	68,5	88,2	107,6	91,3	84	0,306	0,322	0,0003

TM30 DETAILS

Rf 88,2
Fidelity index Rf

Rg 107,6
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	5%	-2%
2	90	4%	-3%
3	93	2%	-2%
4	94	-1%	2%
5	88	-2%	3%
6	87	7%	5%
7	86	9%	0%
8	91	3%	-1%
9	92	-1%	3%
10	88	-2%	8%
11	75	1%	13%
12	90	2%	6%
13	88	6%	9%
14	78	17%	6%
15	84	12%	0%
16	88	7%	0%

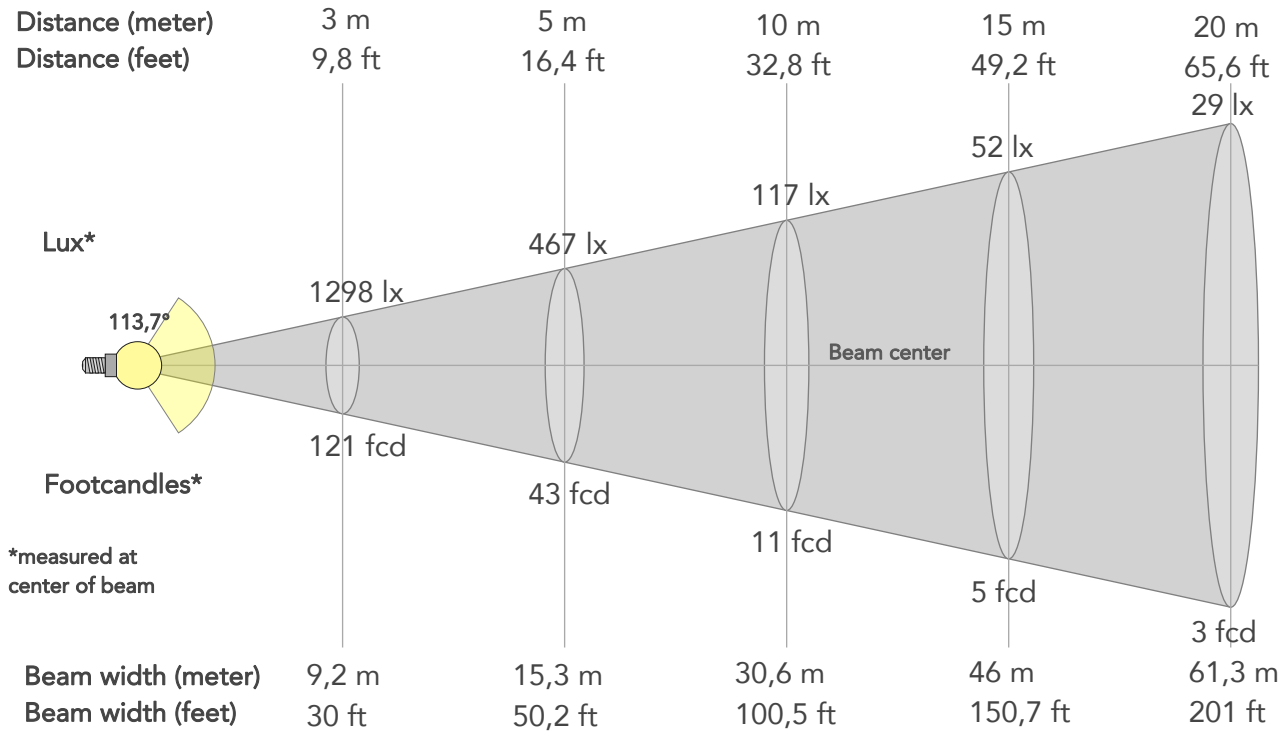


Color Evaluation Sample

BEAM DETAILS



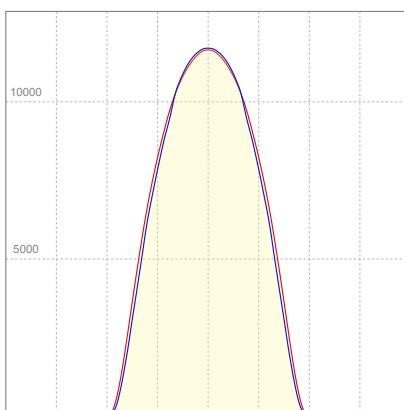
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
113,7°	154,3°	166,1°	82,1%	55,8%



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	11678lx	2919lx	1298lx	730lx	467lx	208lx	117lx	52lx	29lx	19lx	13lx	7lx	5lx
Footcand.	1085fcd	271fcd	121fcd	68fcd	43fcd	19fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	3,1m	6,1m	9,2m	12,3m	15,3m	23m	30,6m	46m	61,3m	76,6m	91,9m	122,5m	153,2m
Beam wid.	10,1ft	20,2ft	30ft	40,1ft	50,2ft	75,4ft	100,5ft	150,7ft	201ft	251,2ft	301,4ft	401,9ft	502,4ft

LINEAR DISTRIBUTION DIAGRAM

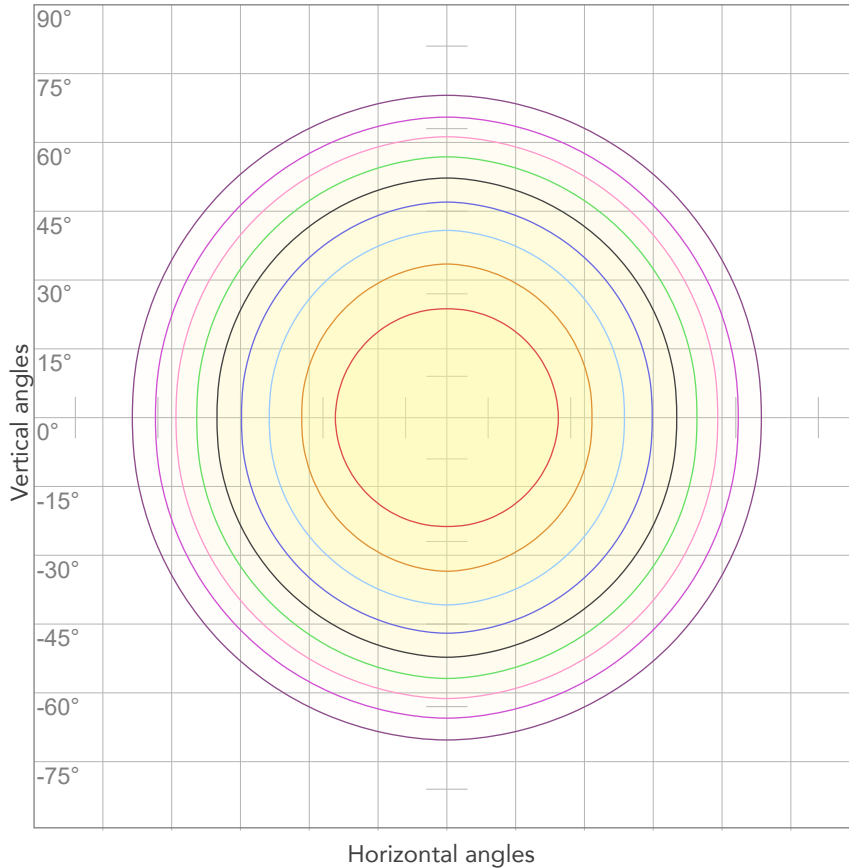


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	1,92A	429,2W	0,99	76lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



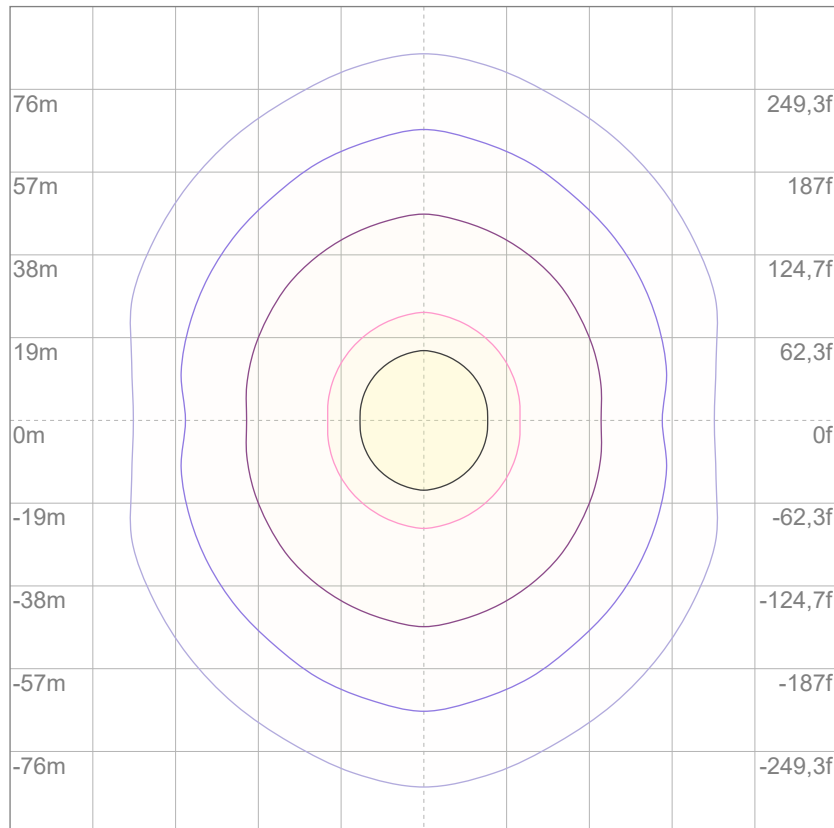
10%	1168 cd
20%	2336 cd
30%	3503 cd
40%	4671 cd
50%	5839 cd
60%	7007 cd
70%	8174 cd
80%	9342 cd

Conditions:

Number of c-planes: 4

Candela at center: 11678 cd

ISO LUX DIAGRAM



3%	3,50 lx
5%	5,84 lx
10%	11,7 lx
30%	35,0 lx
50%	58,4 lx

Conditions:

Number of c-planes: 4

Lux at center: 117 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:

11650 lm

Peak candela output:

3979 cd



PRODUCT NAME:

SUNBLASTFLX

MEASUREMENT CONDITIONS:

Beam angle:

Original Optic

Target:

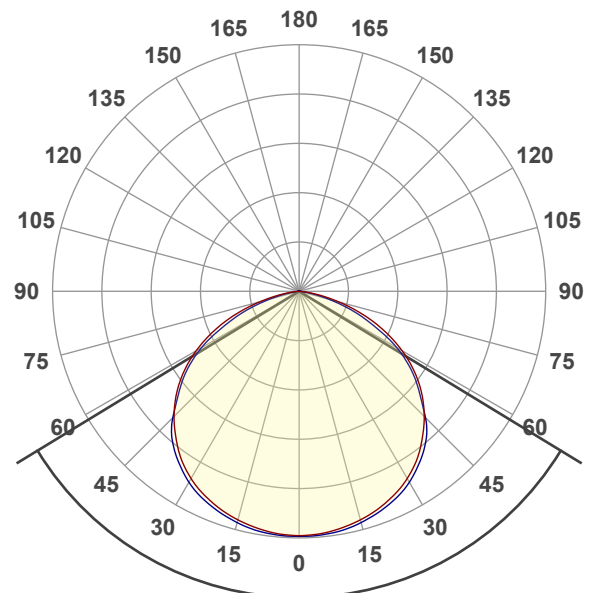
Red - HB

Operator:

Salvatore Giglio

Date and time:

14/10/2024 17:22:56

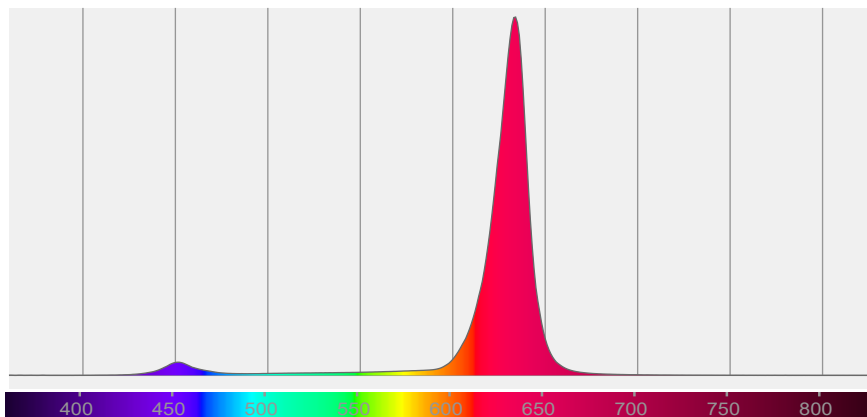


Beam angle 50%: 117,3°

Field angle 10%: 155°

Cut off angle 2.5%: 165,8°

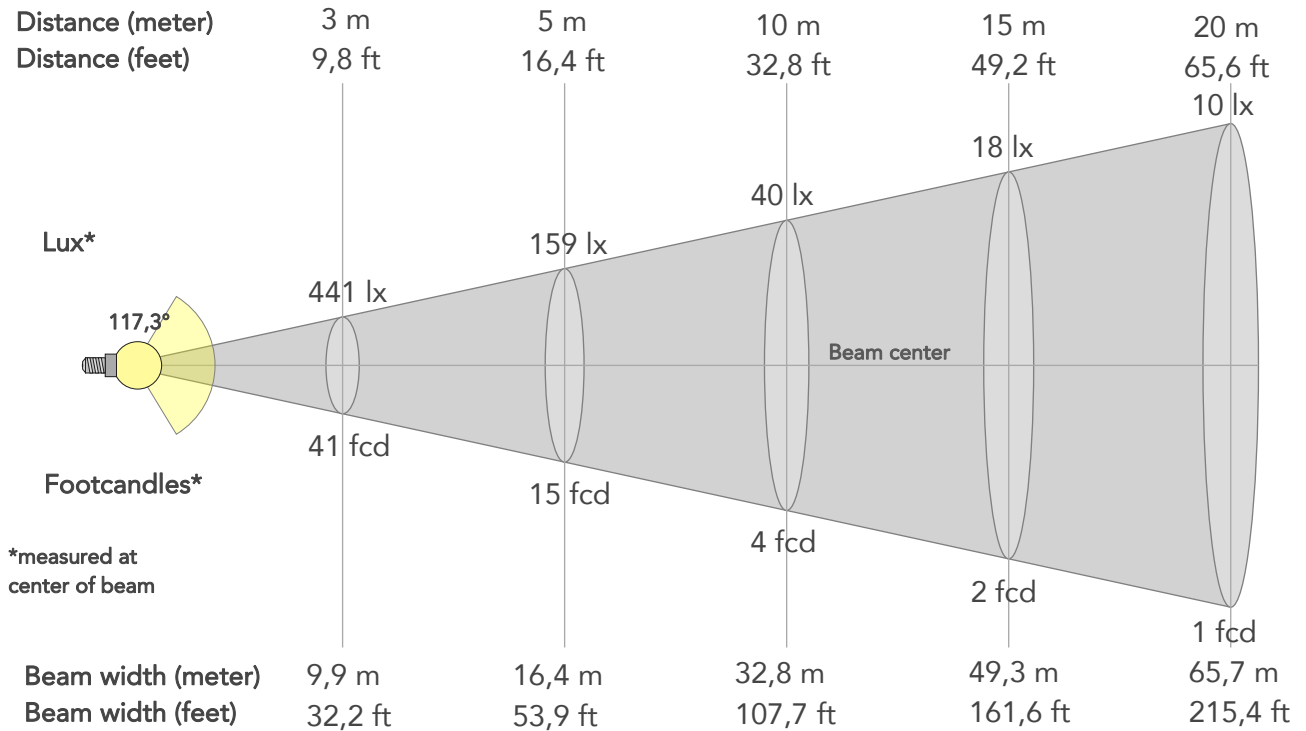
Spectra



BEAM DETAILS



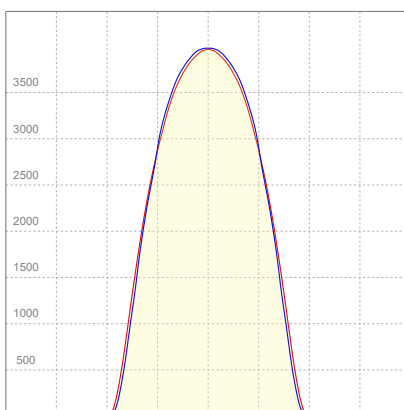
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
117,3°	155°	165,8°	81,6%	54,9%



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	3973lx	993lx	441lx	248lx	159lx	71lx	40lx	18lx	10lx	6lx	4lx	2lx	2lx
Footcand.	369fcd	92fcd	41fcd	23fcd	15fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	3,3m	6,6m	9,9m	13,1m	16,4m	24,6m	32,8m	49,3m	65,7m	82,1m	98,5m	131,4m	164,2m
Beam wid.	10,8ft	21,7ft	32,2ft	43ft	53,9ft	80,8ft	107,7ft	161,6ft	215,4ft	269,3ft	323,1ft	430,9ft	538,6ft

LINEAR DISTRIBUTION DIAGRAM

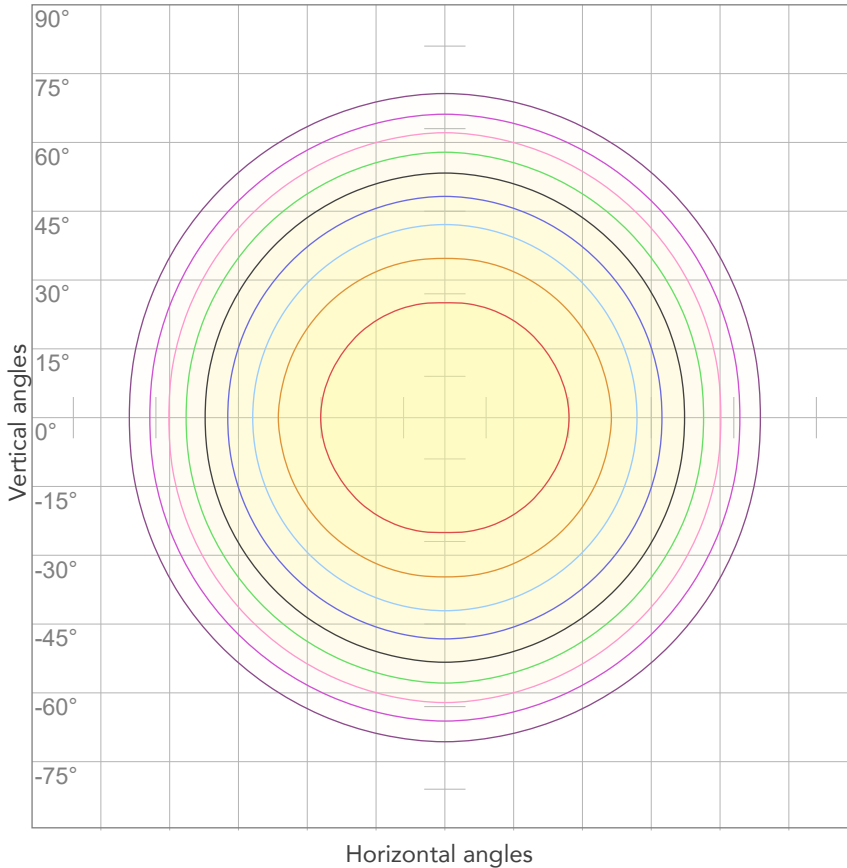


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	1,18A	262,8W	0,99	44lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



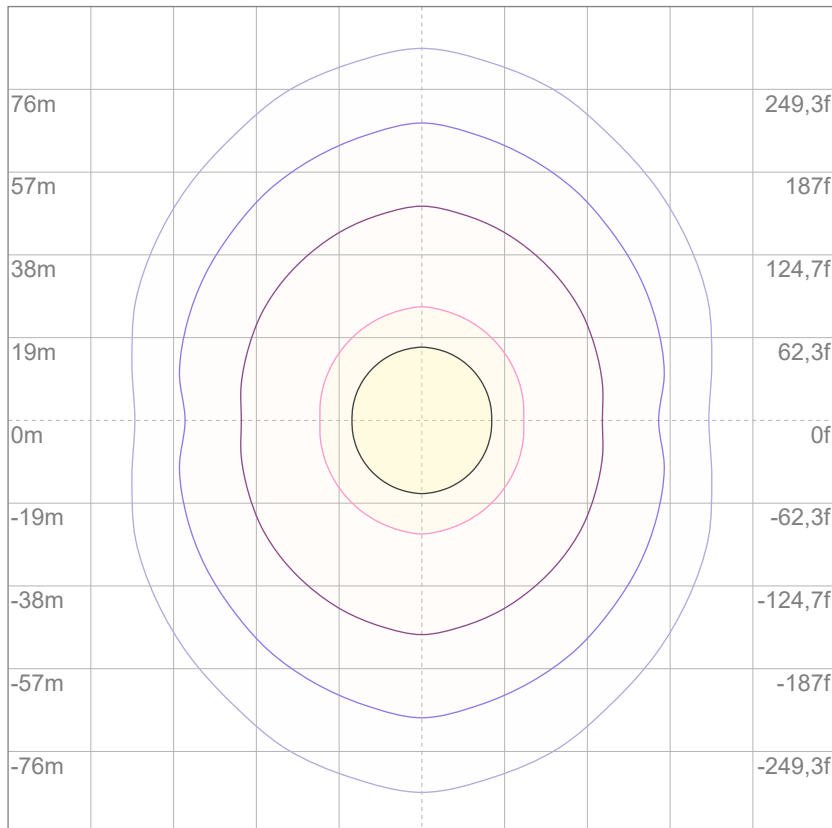
10%	397 cd
20%	795 cd
30%	1192 cd
40%	1589 cd
50%	1986 cd
60%	2384 cd
70%	2781 cd
80%	3178 cd

Conditions:

Number of c-planes: 4

Candela at center: 3973 cd

ISO LUX DIAGRAM



3%	1,19 lx
5%	1,99 lx
10%	3,97 lx
30%	11,9 lx
50%	19,9 lx

Conditions:

Number of c-planes: 4

Lux at center: 39,7 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:

26460 lm

Peak candela output:

8577 cd



PRODUCT NAME:

SUNBLASTFLX

MEASUREMENT CONDITIONS:

Beam angle:

Original Optic

Target:

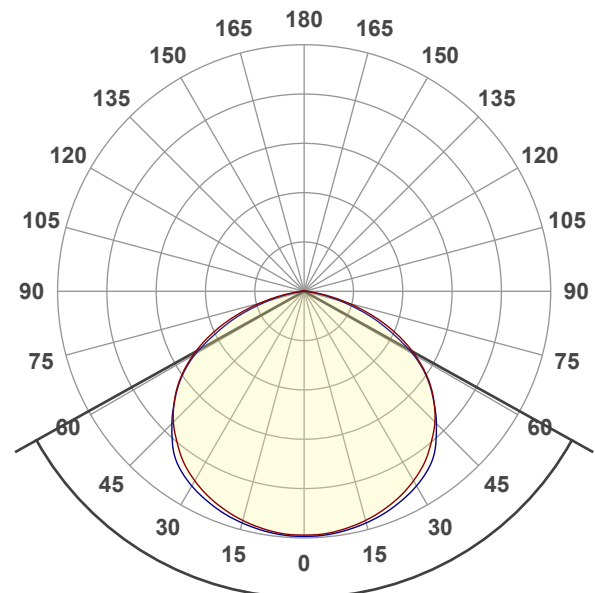
Green - HB

Operator:

Salvatore Giglio

Date and time:

14/10/2024 17:38:06

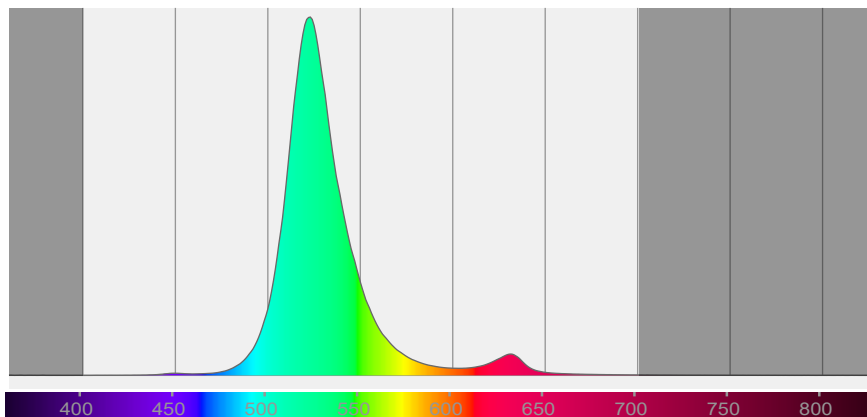


Beam angle 50%: 121,8°

Field angle 10%: 157°

Cut off angle 2.5%: 167,4°

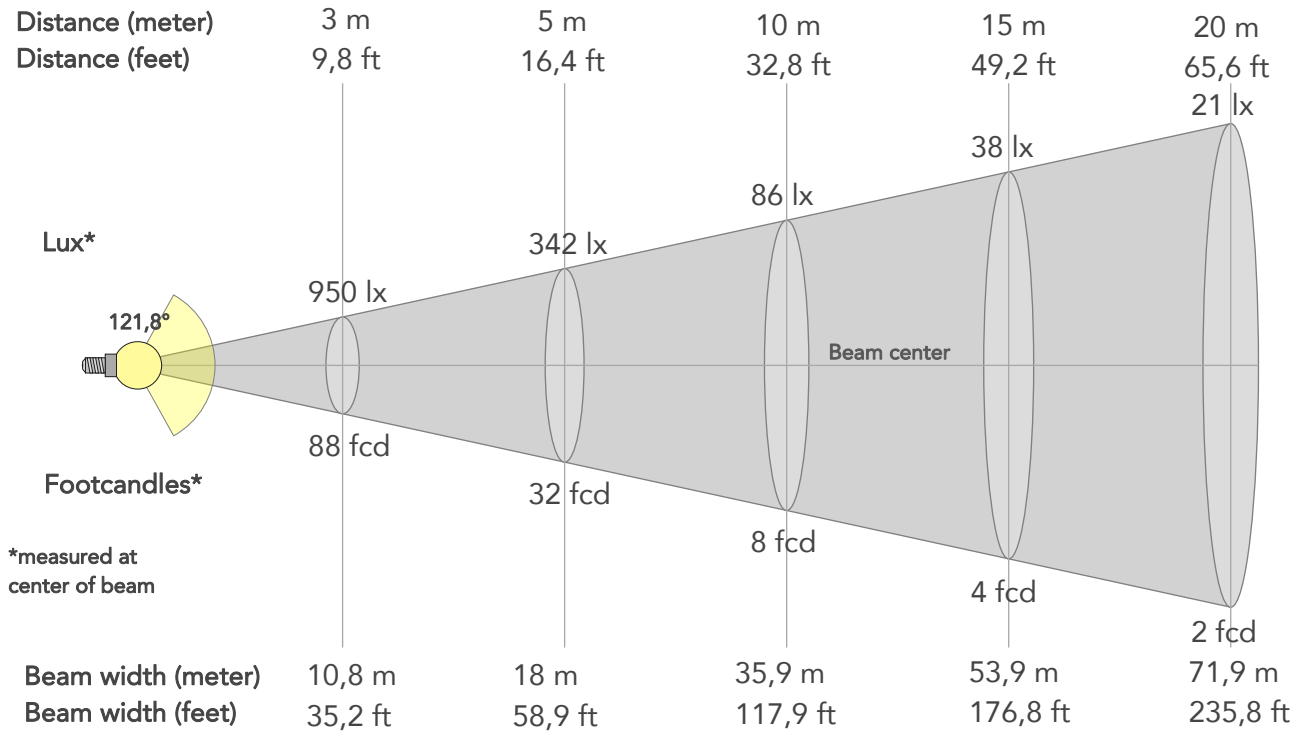
Spectra



BEAM DETAILS



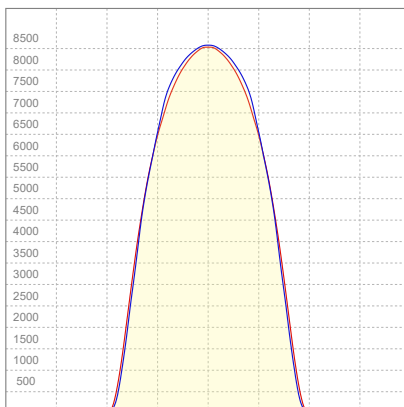
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
121,8°	157°	167,4°	80,2%	53,0%



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	8554lx	2138lx	950lx	535lx	342lx	152lx	86lx	38lx	21lx	14lx	10lx	5lx	3lx
Footcand.	795fcd	199fcd	88fcd	50fcd	32fcd	14fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	3,6m	7,2m	10,8m	14,4m	18m	27m	35,9m	53,9m	71,9m	89,9m	107,8m	143,8m	179,7m
Beam wid.	11,9ft	23,7ft	35,2ft	47,1ft	58,9ft	88,4ft	117,9ft	176,8ft	235,8ft	294,7ft	353,7ft	471,6ft	589,5ft

LINEAR DISTRIBUTION DIAGRAM

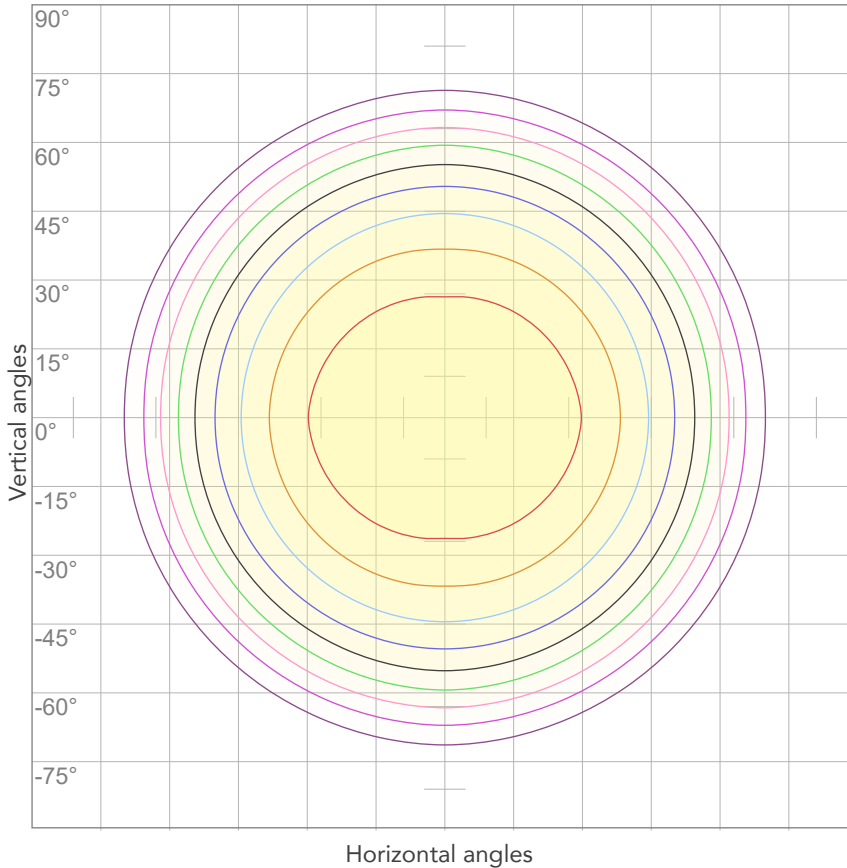


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	1,48A	328,9W	0,99	80lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



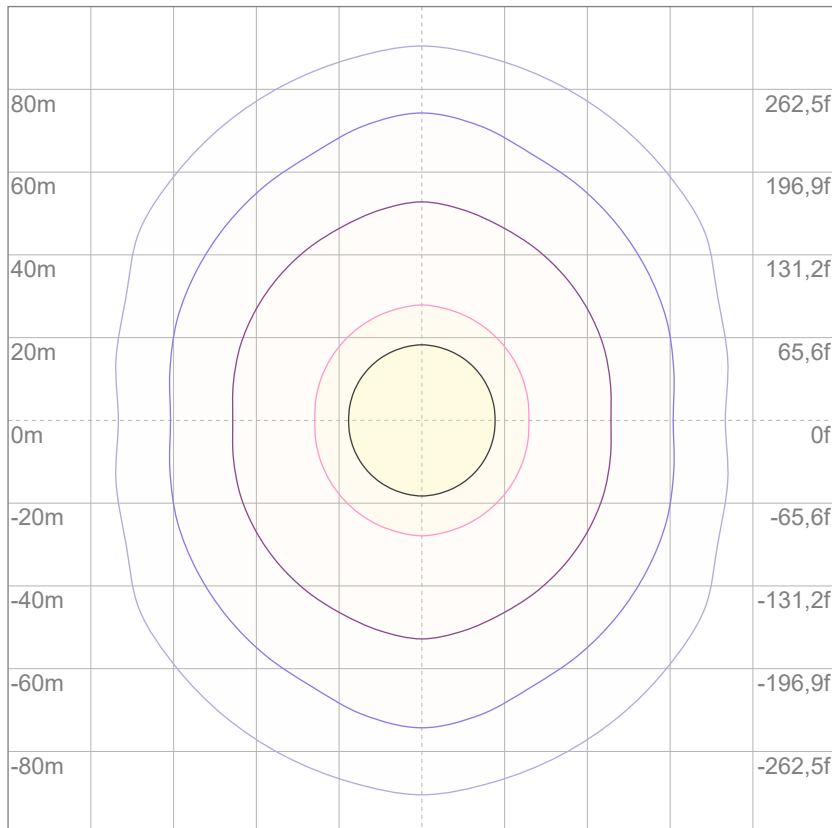
10%	855 cd
20%	1711 cd
30%	2566 cd
40%	3422 cd
50%	4277 cd
60%	5132 cd
70%	5988 cd
80%	6843 cd

Conditions:

Number of c-planes: 4

Candela at center: 8554 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	2,57 lx
5%	4,28 lx
10%	8,55 lx
30%	25,7 lx
50%	42,8 lx

Conditions:

Number of c-planes: 4

Lux at center: 85,5 lx

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

Total lumen output:

9280 lm

Peak candela output:

3195 cd



PRODUCT NAME:

SUNBLASTFLX

MEASUREMENT CONDITIONS:

Beam angle:

Original Optic

Target:

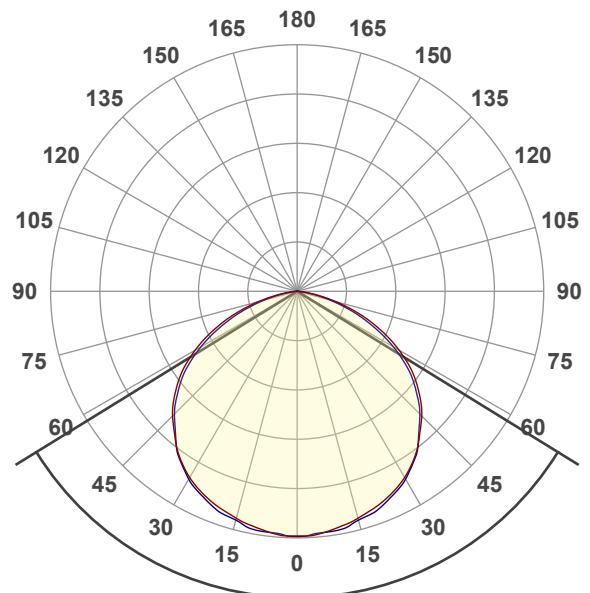
Blue - HB

Operator:

Salvatore Giglio

Date and time:

14/10/2024 17:43:26

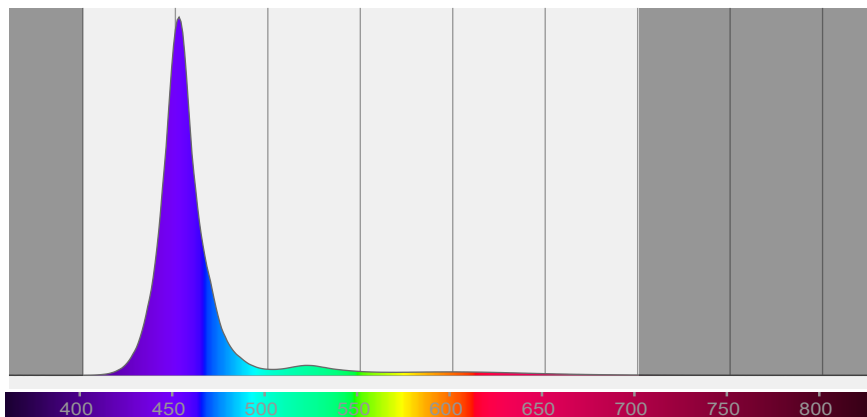


Beam angle 50%: 116,7°

Field angle 10%: 155,7°

Cut off angle 2.5%: 166,9°

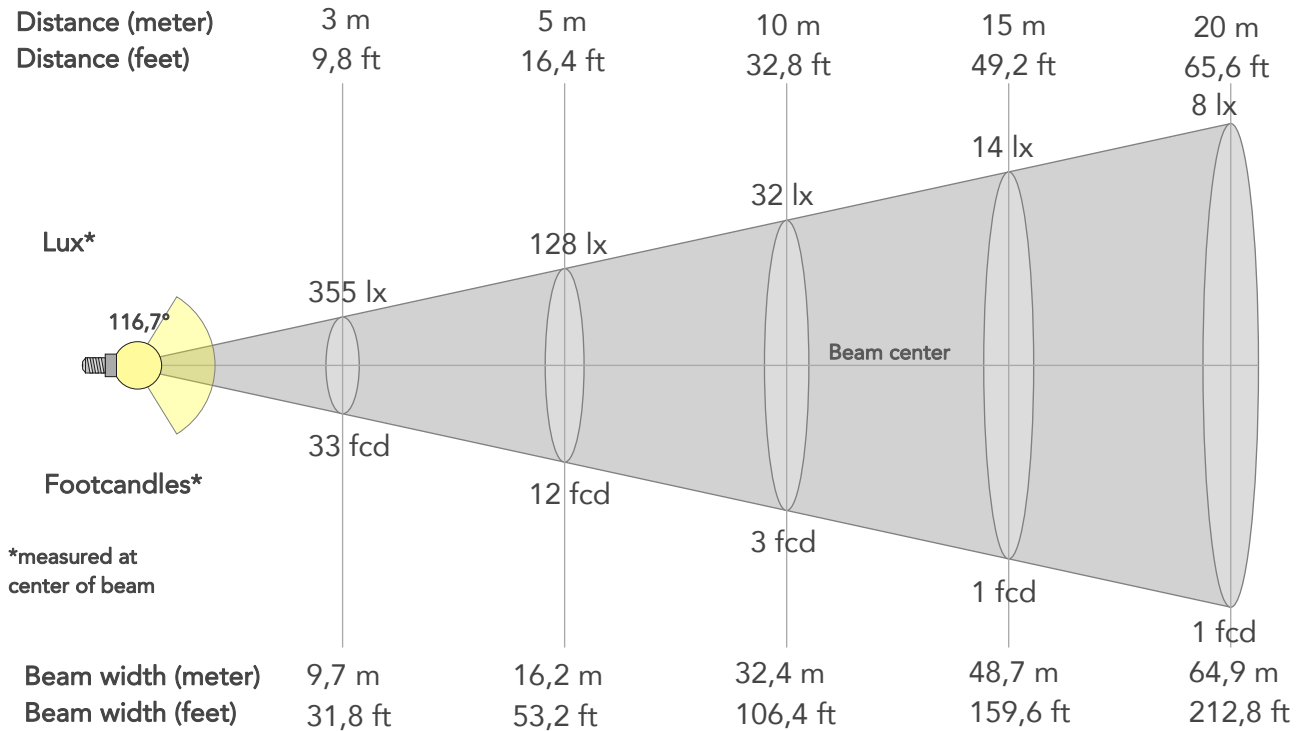
Spectra



BEAM DETAILS



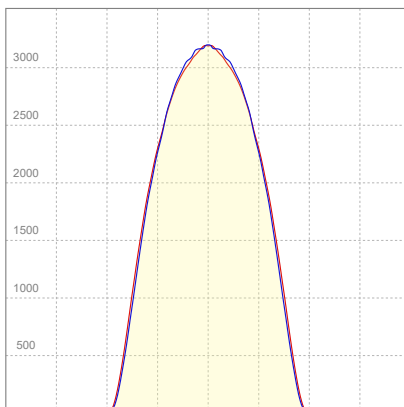
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
116,7°	155,7°	166,9°	81,3%	54,6%



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	3192lx	798lx	355lx	200lx	128lx	57lx	32lx	14lx	8lx	5lx	4lx	2lx	1lx
Footcand.	297fcd	74fcd	33fcd	19fcd	12fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	3,2m	6,5m	9,7m	13m	16,2m	24,3m	32,4m	48,7m	64,9m	81,1m	97,3m	129,8m	162,2m
Beam wid.	10,7ft	21,4ft	31,8ft	42,5ft	53,2ft	79,8ft	106,4ft	159,6ft	212,8ft	266ft	319,2ft	425,6ft	532ft

LINEAR DISTRIBUTION DIAGRAM

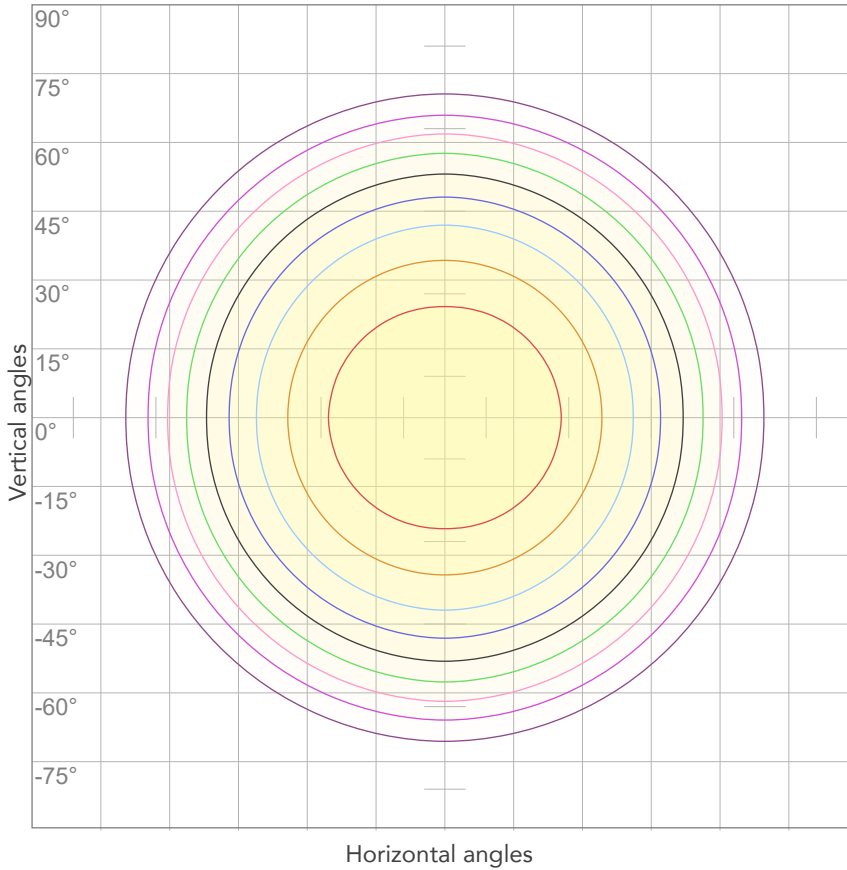


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	1,73A	385,2W	0,99	24lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



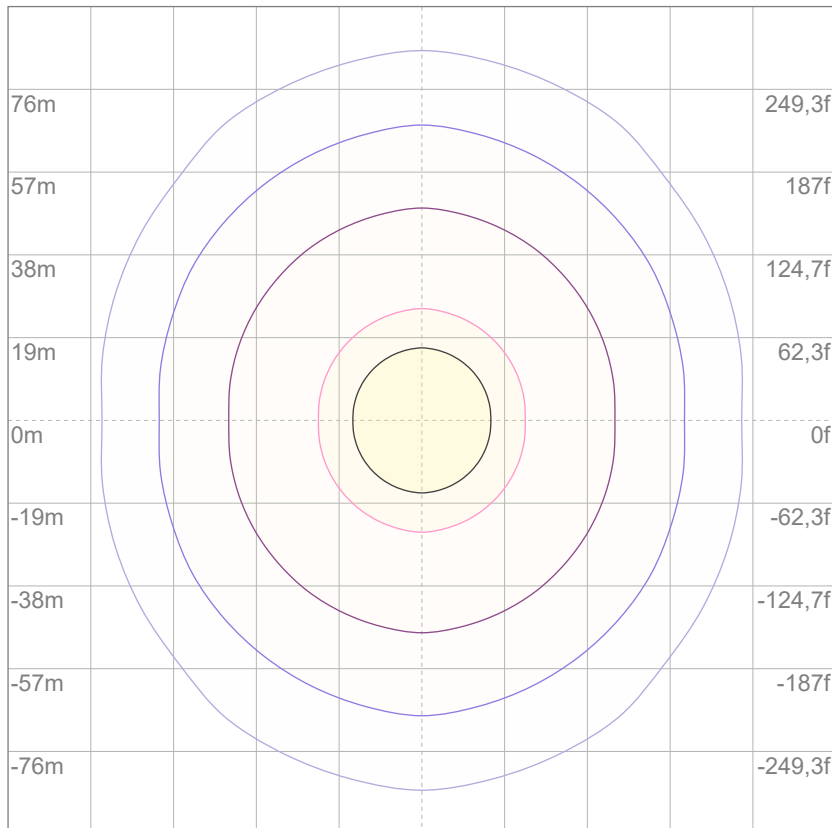
10%	319 cd
20%	638 cd
30%	958 cd
40%	1277 cd
50%	1596 cd
60%	1915 cd
70%	2235 cd
80%	2554 cd

Conditions:

Number of c-planes: 4

Candela at center: 3192 cd

ISO LUX DIAGRAM



3%	0,958 lx
5%	1,60 lx
10%	3,19 lx
30%	9,58 lx
50%	16,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 31,9 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:

32176 lm

Peak candela output:

11551 cd



PRODUCT NAME:

SUNBLASTFLX

MEASUREMENT CONDITIONS:

Beam angle:

Original Optic

Target:

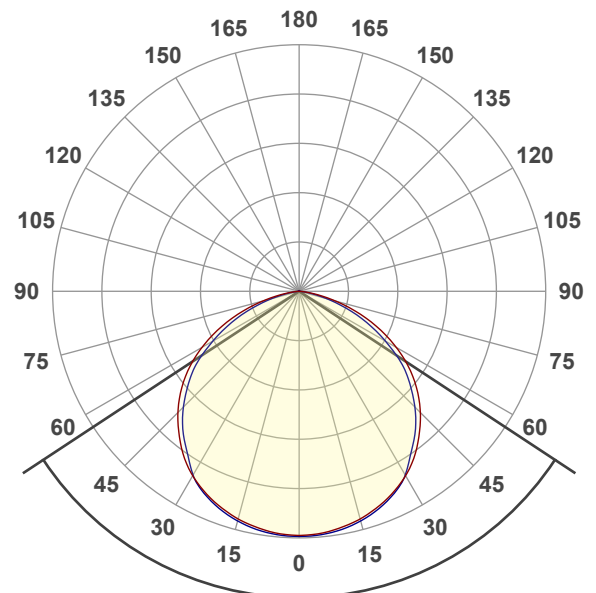
White - HB

Operator:

Salvatore Giglio

Date and time:

14/10/2024 17:21:10

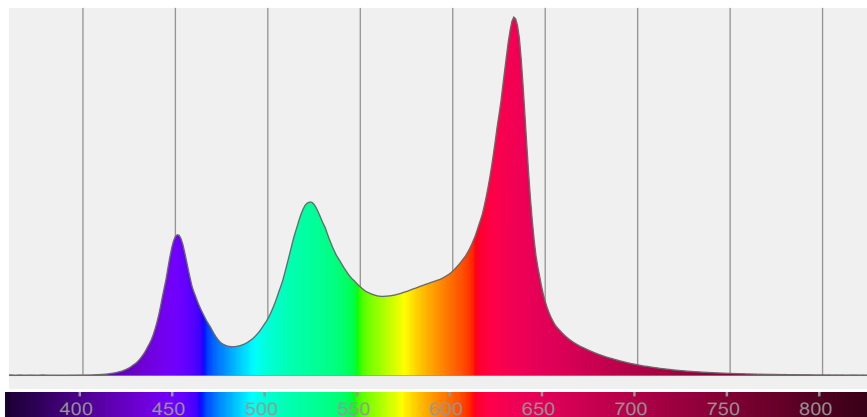


Beam angle 50%: 113,2°

Field angle 10%: 154,1°

Cut off angle 2.5%: 165,9°

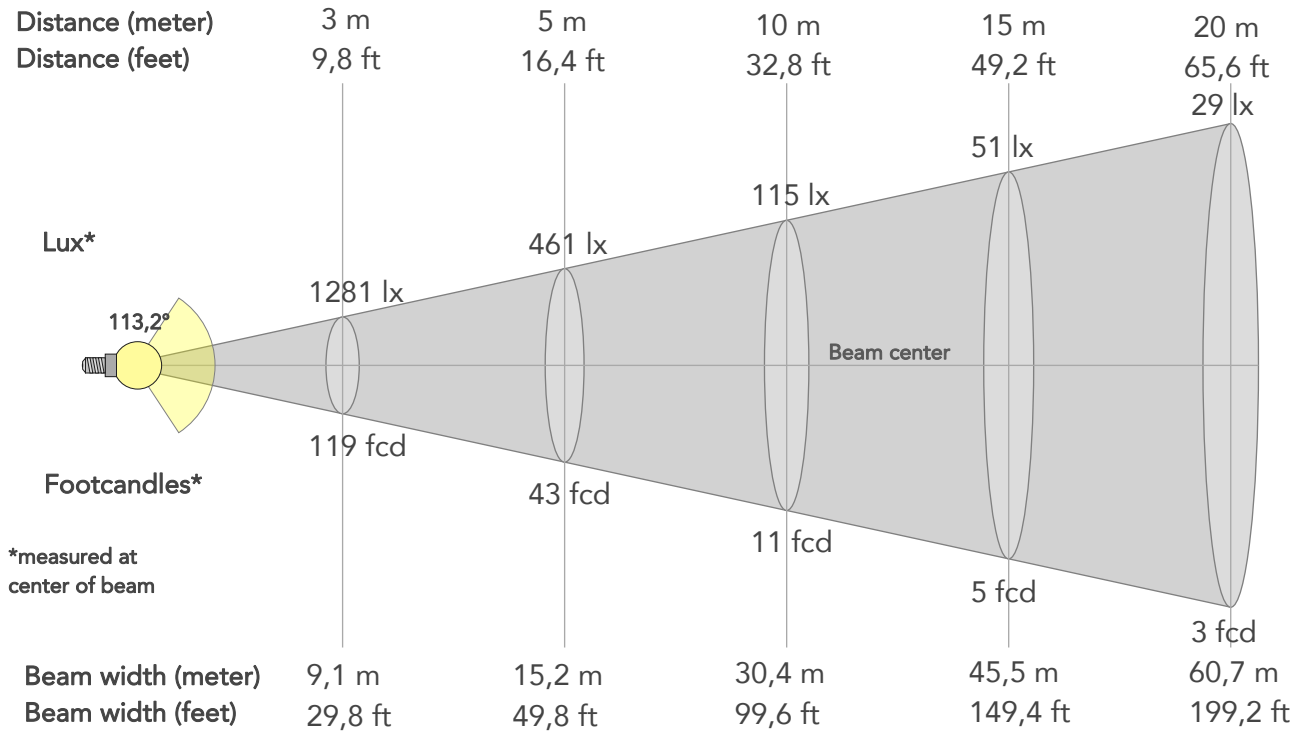
Spectra



BEAM DETAILS



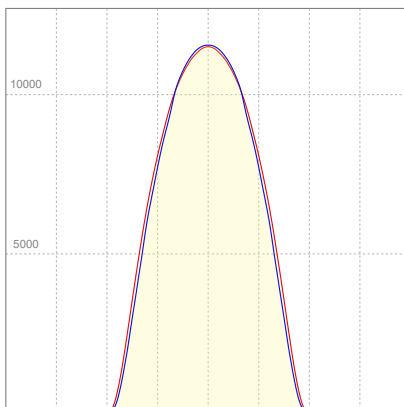
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
113,2°	154,1°	165,9°	82,2%	56,0%



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	11527lx	2882lx	1281lx	720lx	461lx	205lx	115lx	51lx	29lx	18lx	13lx	7lx	5lx
Footcand.	1071fcd	268fcd	119fcd	67fcd	43fcd	19fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	3m	6,1m	9,1m	12,1m	15,2m	22,8m	30,4m	45,5m	60,7m	75,9m	91,1m	121,4m	151,8m
Beam wid.	10ft	20ft	29,8ft	39,8ft	49,8ft	74,7ft	99,6ft	149,4ft	199,2ft	249ft	298,7ft	398,3ft	497,9ft

LINEAR DISTRIBUTION DIAGRAM

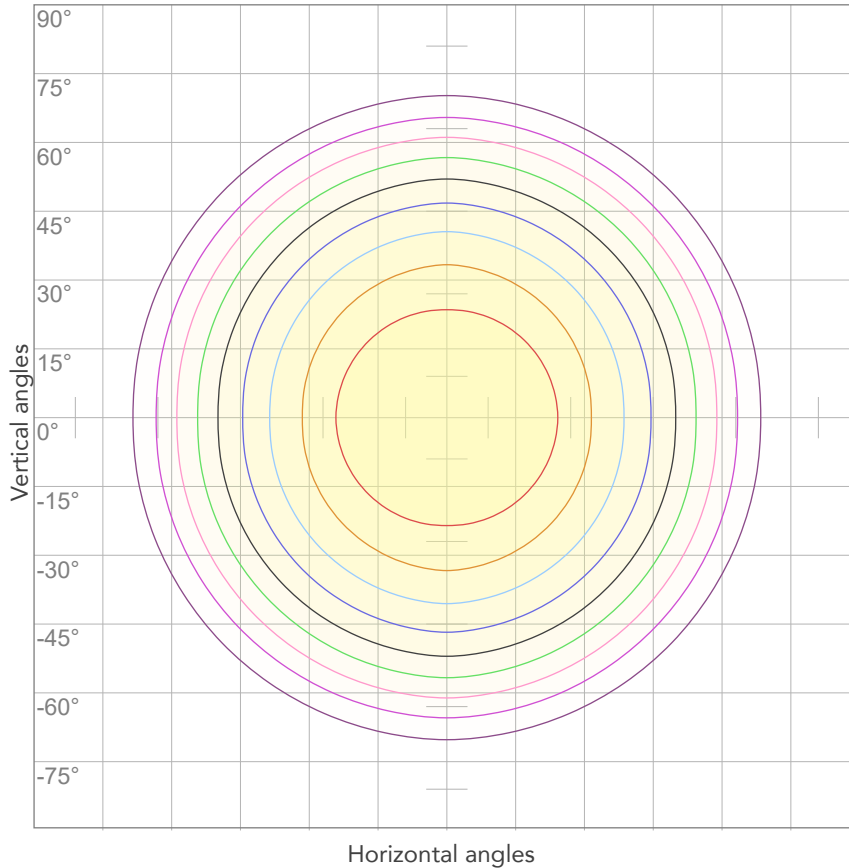


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	1,87A	417,3W	0,99	77lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



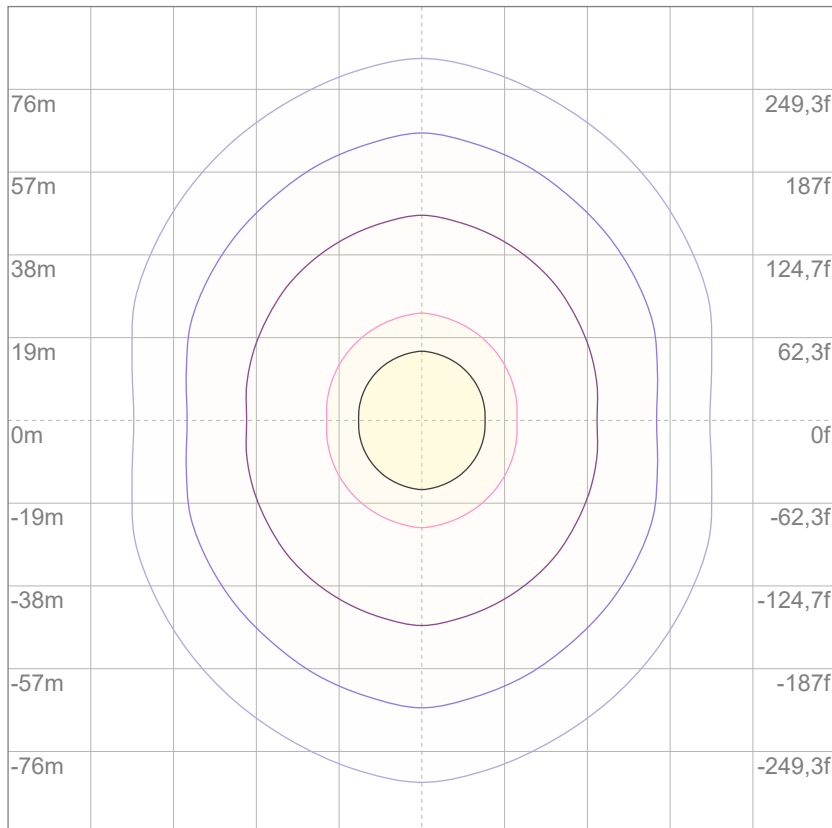
10%	1153 cd
20%	2305 cd
30%	3458 cd
40%	4611 cd
50%	5764 cd
60%	6916 cd
70%	8069 cd
80%	9222 cd

Conditions:

Number of c-planes: 4

Candela at center: 11527 cd

ISO LUX DIAGRAM



3%	3,46 lx
5%	5,76 lx
10%	11,5 lx
30%	34,6 lx
50%	57,6 lx

Conditions:

Number of c-planes: 4

Lux at center: 115 lx

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



Total lumen output:

35192 lm

Peak candela output:

12855 cd

Light quality:

CRI: 82,4

Color temperature:

2832 K

PRODUCT NAME:

SUNBLASTFLX

MEASUREMENT CONDITIONS:

Beam angle:

Original Optic

Target:

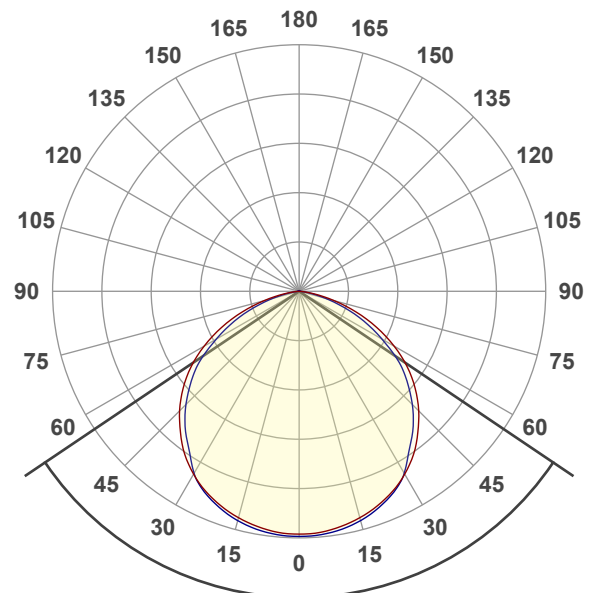
2800K - HB

Operator:

Salvatore Giglio

Date and time:

15/10/2024 14:43:02

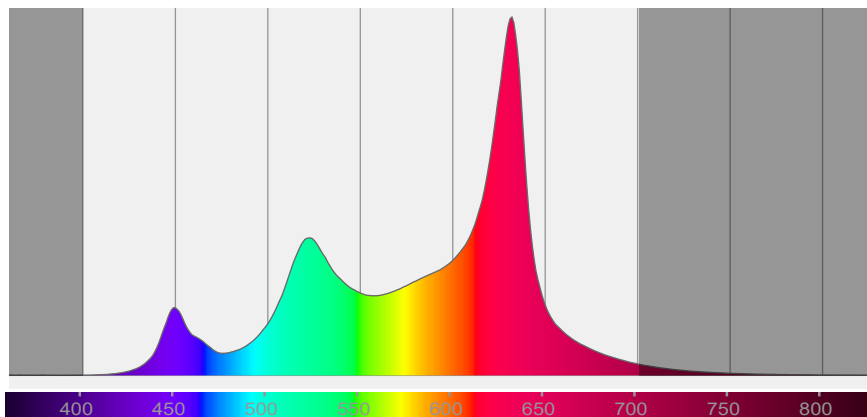


Beam angle 50%: 112,1°

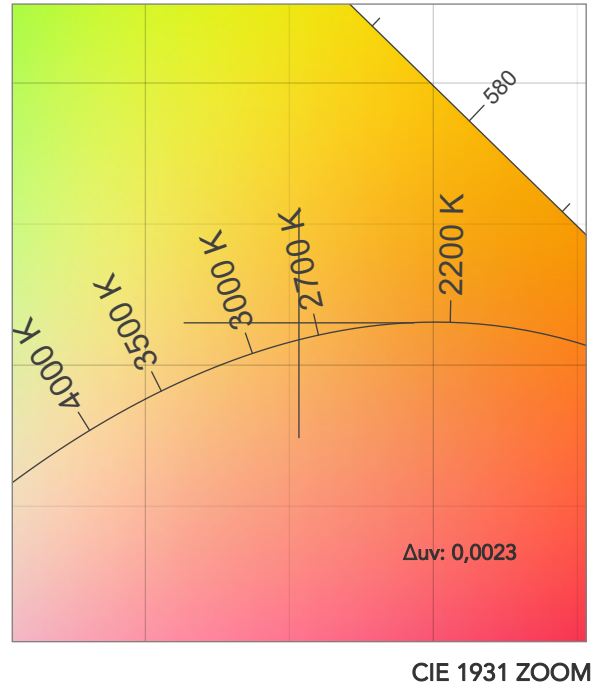
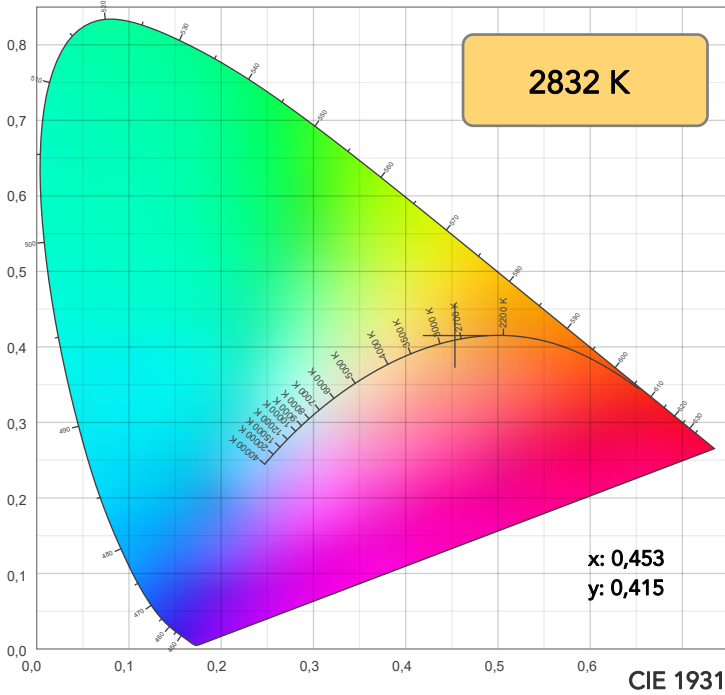
Field angle 10%: 153,6°

Cut off angle 2.5%: 165,6°

Spectra

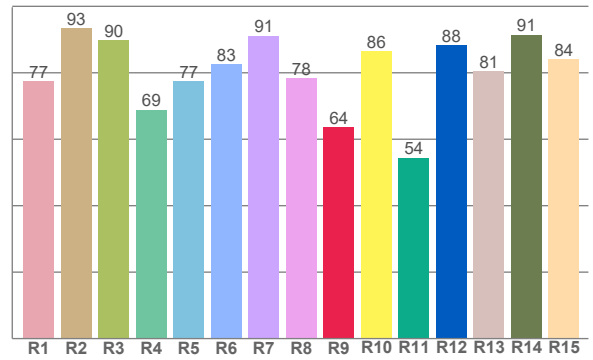
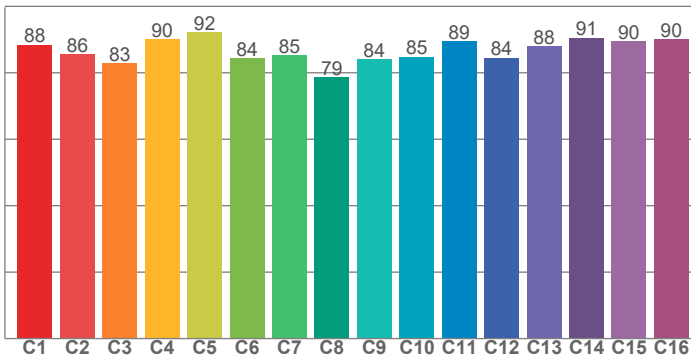


COLOR DETAILS



TM30: 87,2

CRI: 82,4 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
77,4	93,3	89,7	68,9	77,5	82,5	91,2	78,4	63,6	86,5	54,5	88,3	80,6	91,4	84,1

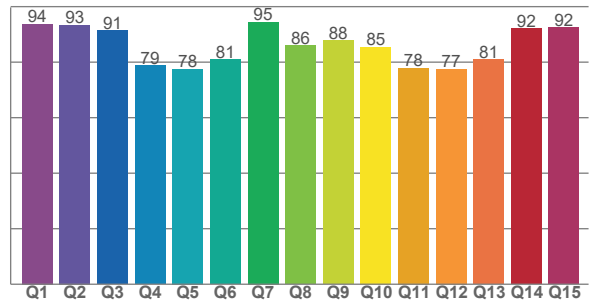
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,5	85,6	82,8	90,1	92,2	84,3	85,2	78,6	84,0	84,8	89,4	84,5	87,9	90,5	89,5	90,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,8	93,4	91,4	78,8	77,6	80,9	94,5	86,0	87,9	85,4	77,9	77,5	80,9	92,2	92,4

CQS: 84,4



COLOR PARAMETERS

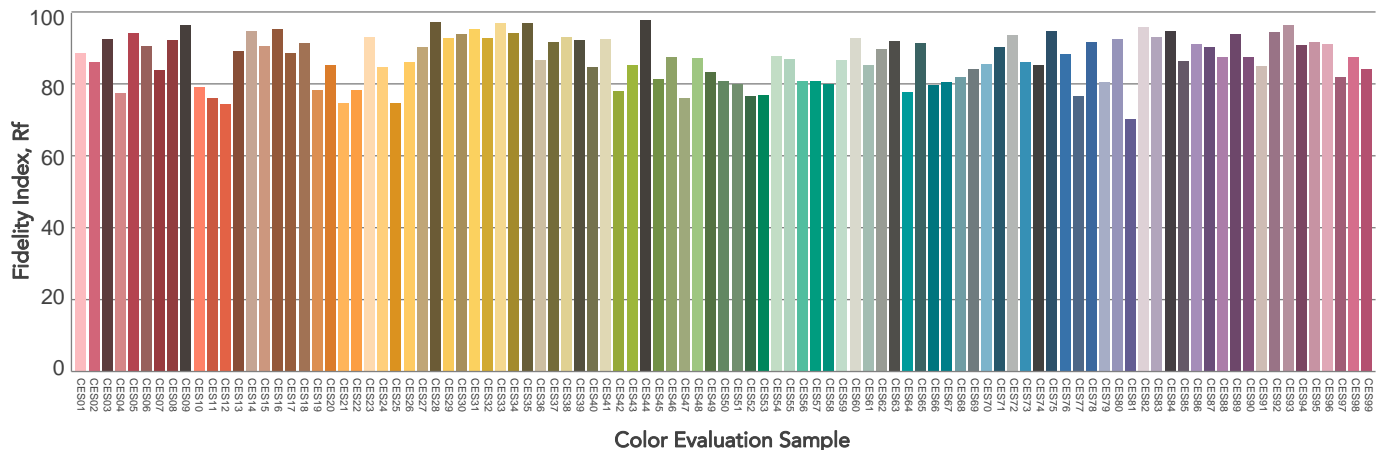
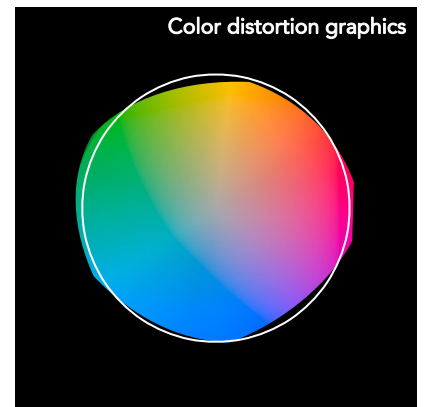
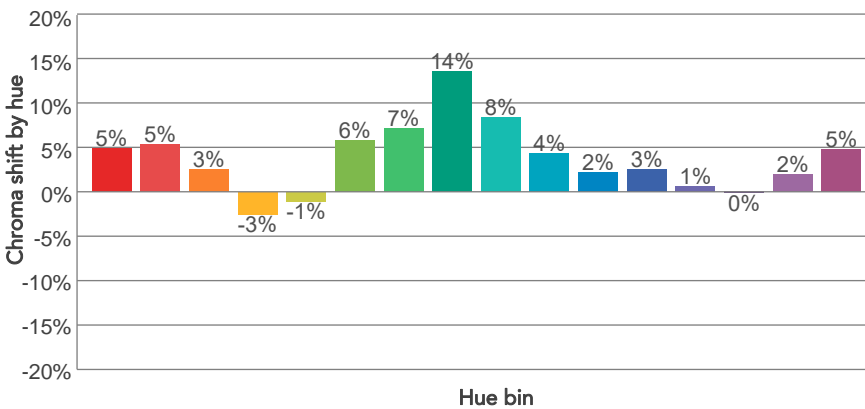
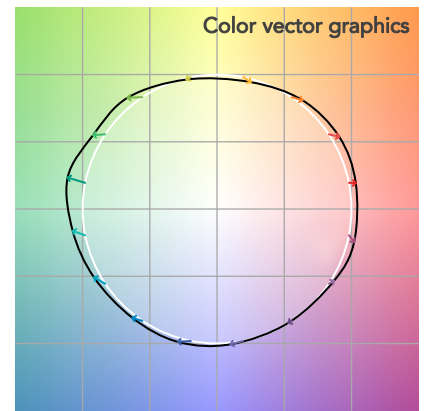
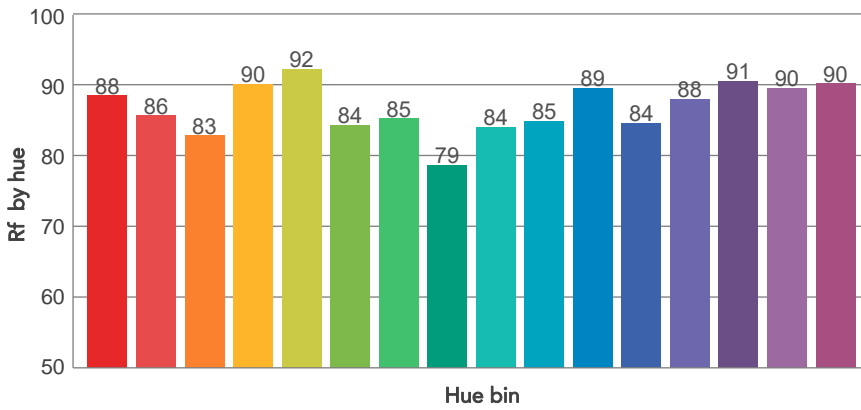
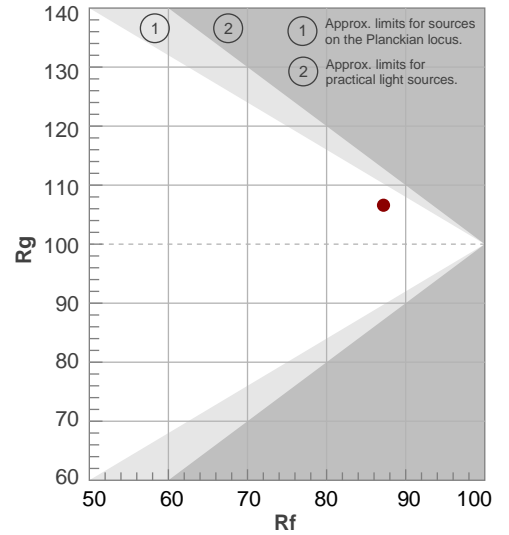
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2832 K	82,4	63,6	87,2	106,6	84,4	66	0,453	0,415	0,0023

TM30 DETAILS

Rf 87,2
Fidelity index Rf

Rg 106,6
Gammut index

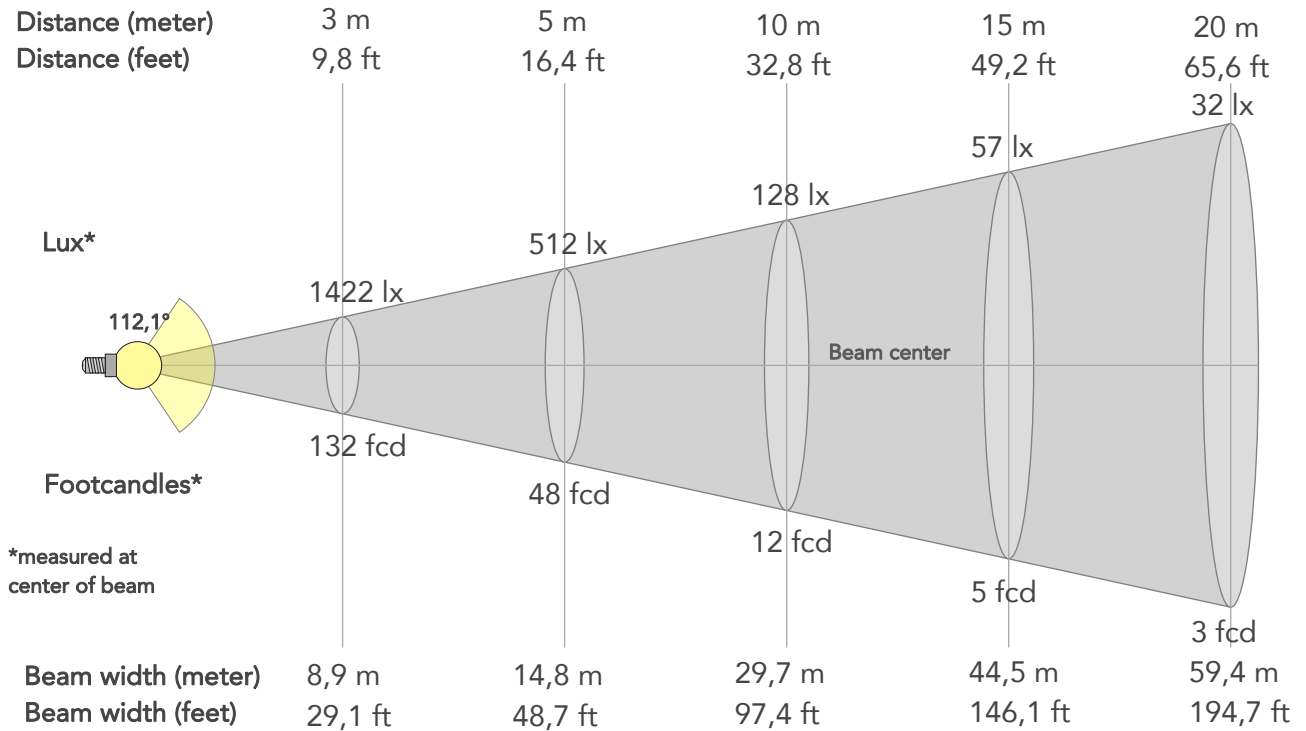
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	88	5%	-1%
2	86	5%	-6%
3	83	3%	-8%
4	90	-3%	-6%
5	92	-1%	3%
6	84	6%	9%
7	85	7%	6%
8	79	14%	-1%
9	84	8%	-5%
10	85	4%	-9%
11	89	2%	-7%
12	84	3%	-9%
13	88	1%	-10%
14	91	0%	-3%
15	90	2%	4%
16	90	5%	-4%



BEAM DETAILS



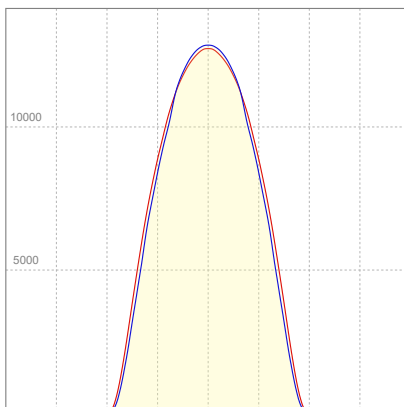
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
112,1°	153,6°	165,6°	82,5%	56,4%



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	12796lx	3199lx	1422lx	800lx	512lx	227lx	128lx	57lx	32lx	20lx	14lx	8lx	5lx
Footcand.	1189fcd	297fcd	132fcd	74fcd	48fcd	21fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	3m	5,9m	8,9m	11,9m	14,8m	22,3m	29,7m	44,5m	59,4m	74,2m	89,1m	118,7m	148,4m
Beam wid.	9,8ft	19,6ft	29,1ft	38,9ft	48,7ft	73ft	97,4ft	146,1ft	194,7ft	243,4ft	292,1ft	389,5ft	486,8ft

LINEAR DISTRIBUTION DIAGRAM

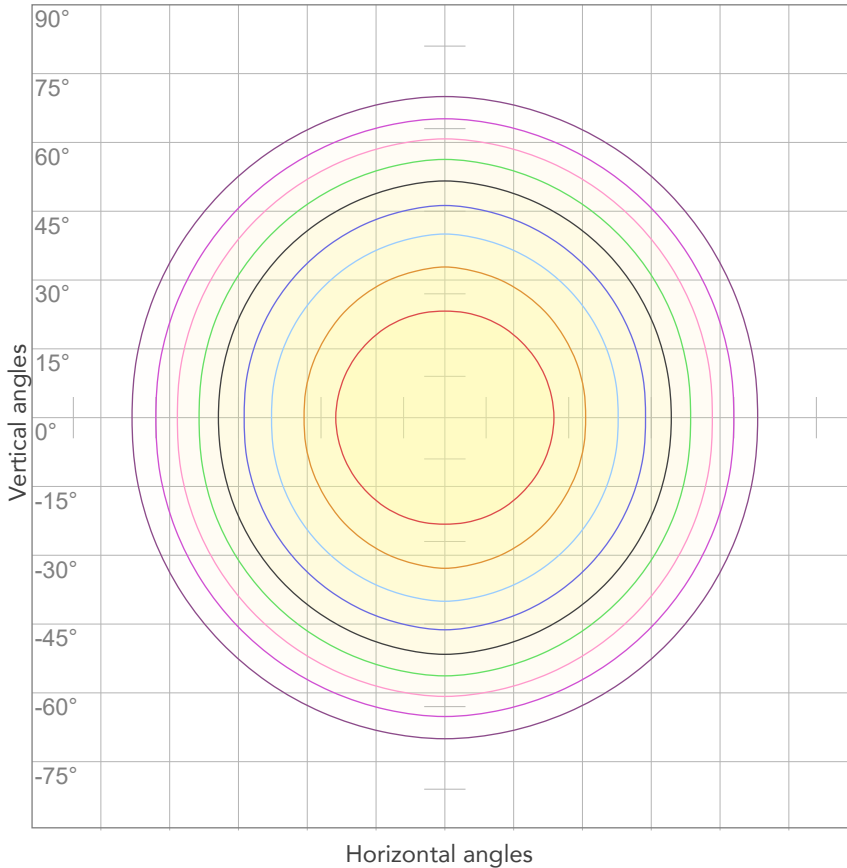


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	1,84A	412,6W	0,99	85lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



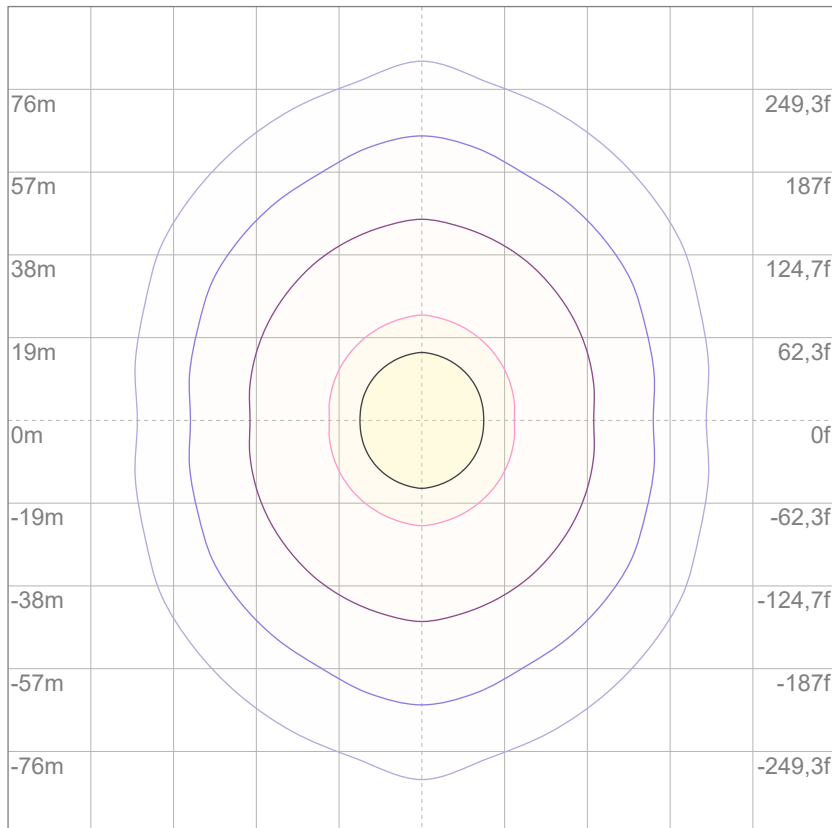
10%	1280 cd
20%	2559 cd
30%	3839 cd
40%	5118 cd
50%	6398 cd
60%	7677 cd
70%	8957 cd
80%	10237 cd

Conditions:

Number of c-planes: 4

Candela at center: 12796 cd

ISO LUX DIAGRAM



3%	3,84 lx
5%	6,40 lx
10%	12,8 lx
30%	38,4 lx
50%	64,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 128 lx

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



Total lumen output:

37219 lm

Peak candela output:

13714 cd

Light quality:

CRI: 88,6

Color temperature:

3229 K

PRODUCT NAME:

SUNBLASTFLX

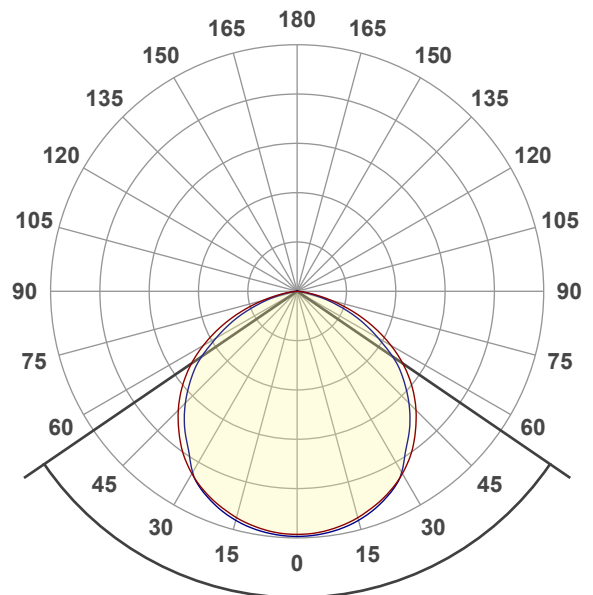
MEASURAMENT CONDITIONS:

Beam angle:
Original Optic

Target:
3200K - HB

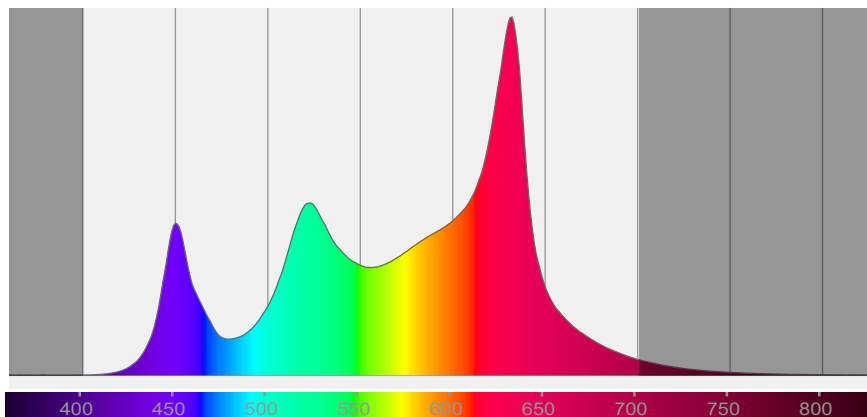
Operator:
Salvatore Giglio

Date and time:
15/10/2024 14:34:53

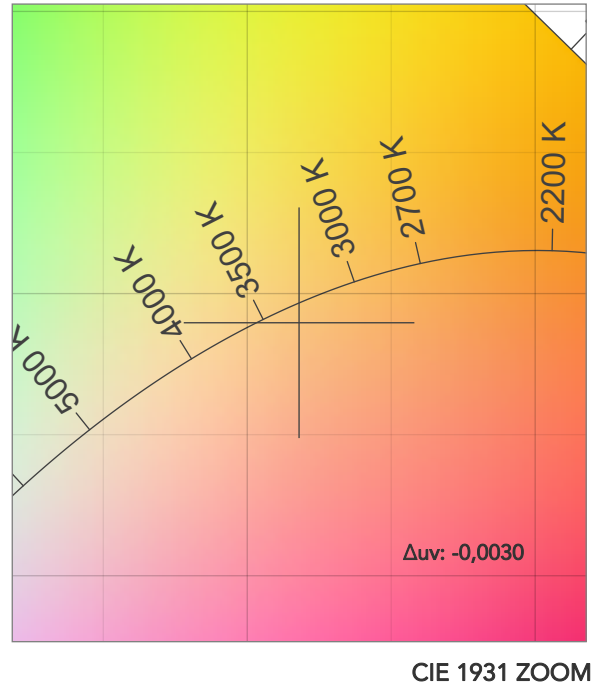
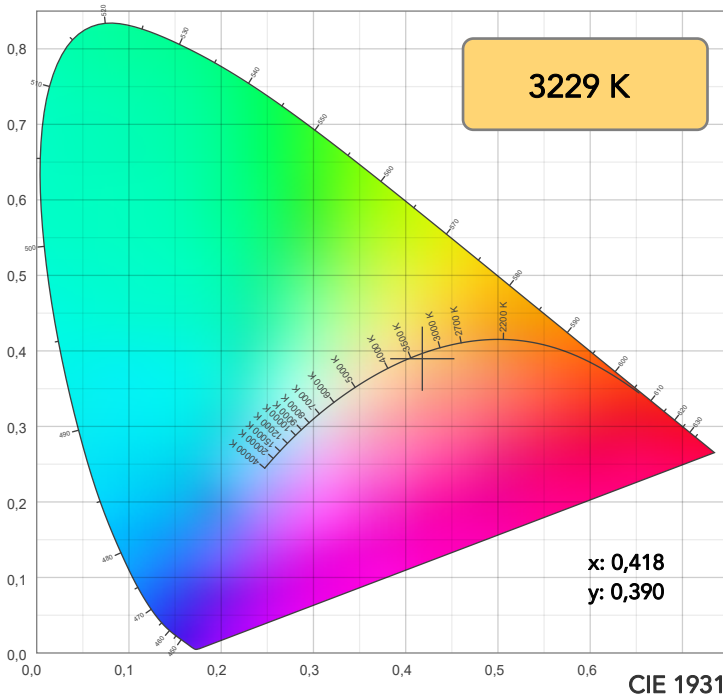


Beam angle 50%: 111,3°
Field angle 10%: 153,3°
Cut off angle 2.5%: 165,5°

Spectra

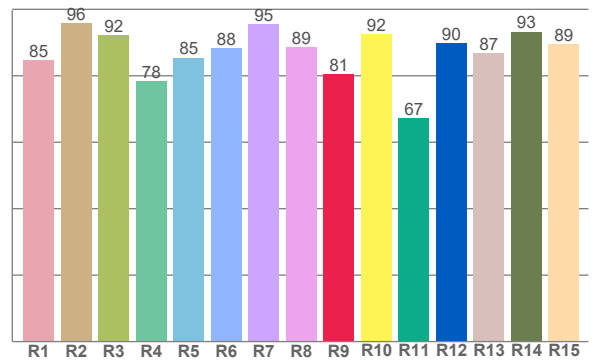
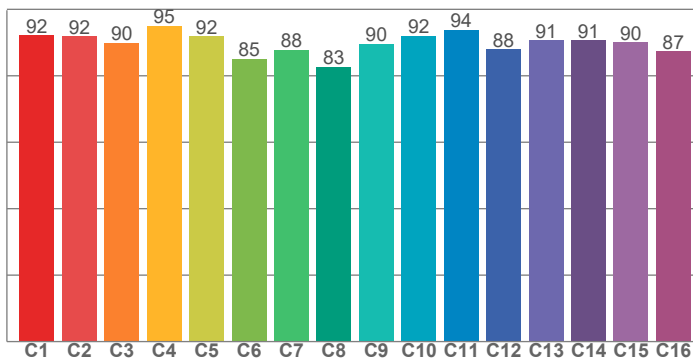


COLOR DETAILS



TM30: 90,6

CRI: 88,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
84,8	95,8	92,2	78,4	85,4	88,3	95,4	88,7	80,5	92,4	67,2	89,9	86,9	93,3	89,5

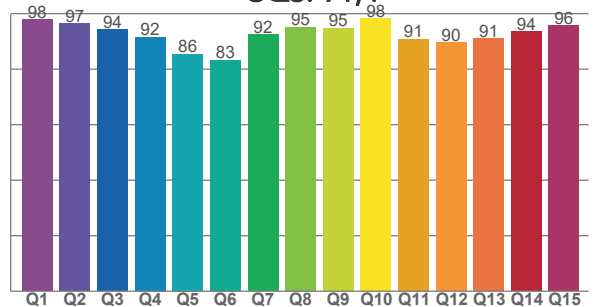
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,2	91,8	90,0	95,1	91,9	85,1	87,9	82,7	89,6	92,0	93,9	87,9	90,7	90,7	90,0	87,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,8	96,5	94,3	91,5	85,5	83,2	92,5	95,2	94,8	98,2	90,8	89,5	91,1	93,5	95,7

CQS: 91,4



COLOR PARAMETERS

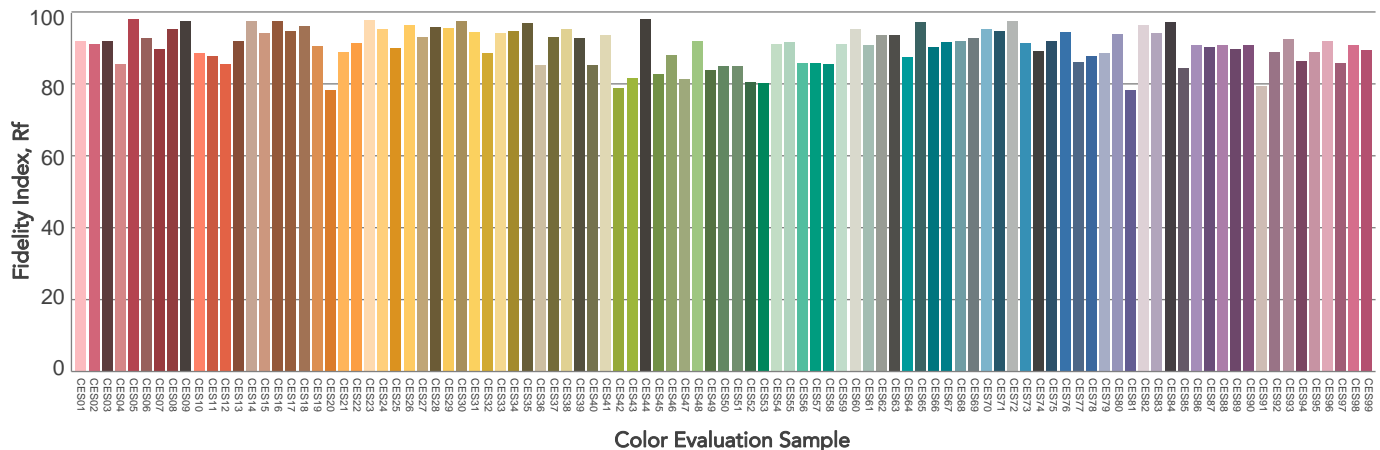
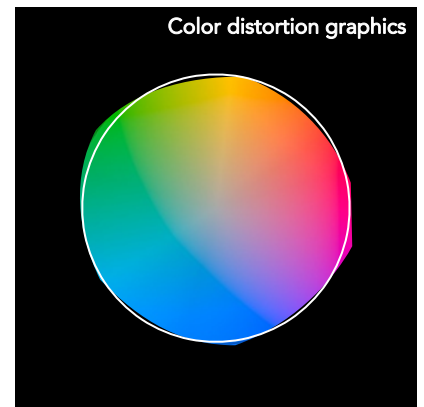
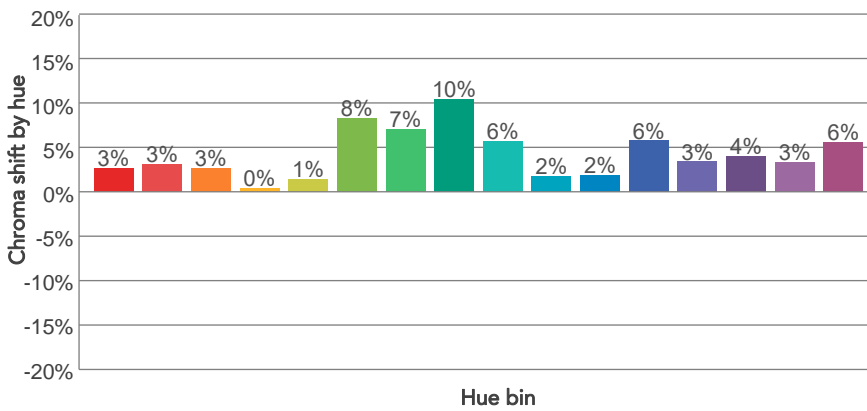
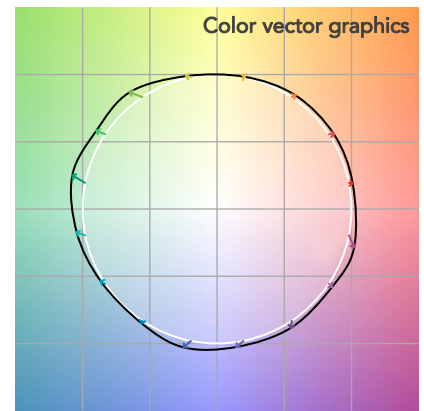
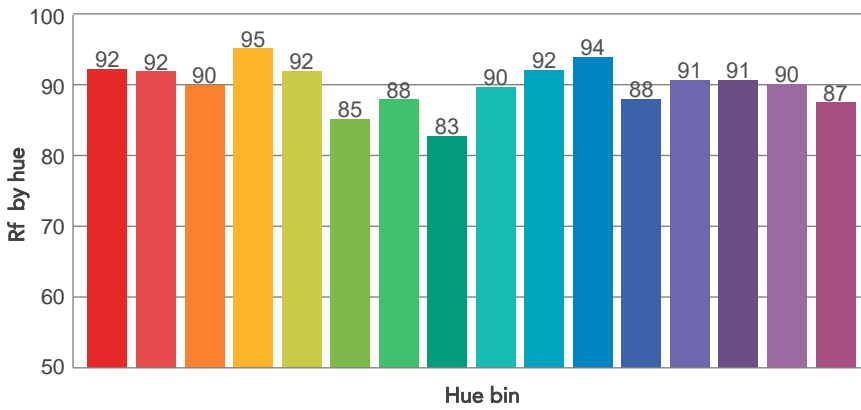
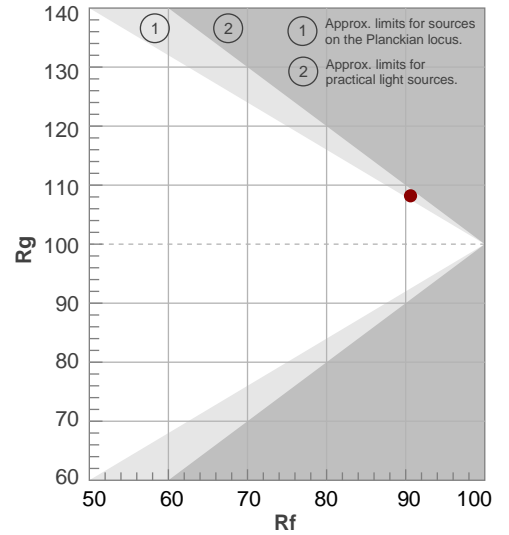
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3229 K	88,6	80,5	90,6	108,2	91,4	78	0,418	0,390	-0,0030

TM30 DETAILS

Rf 90,6
Fidelity index Rf

Rg 108,2
Gammut index

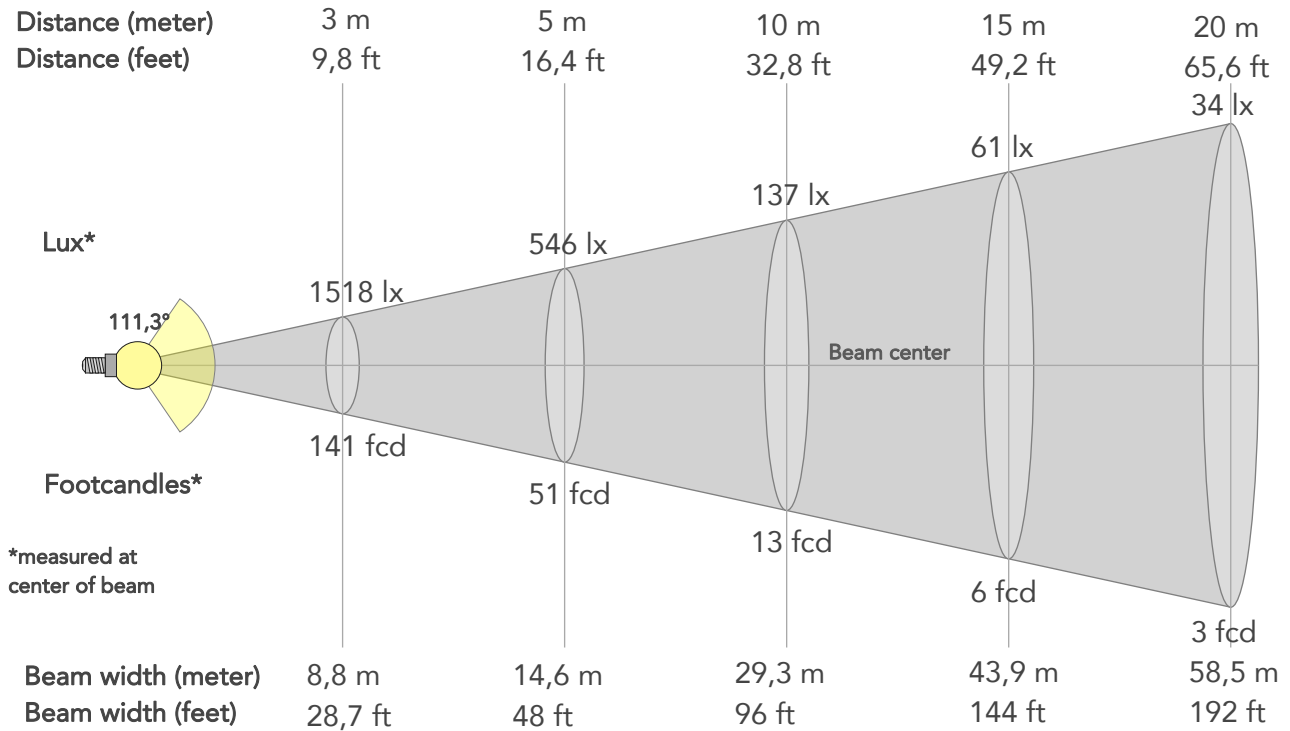
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	92	3%	-1%
2	92	3%	-2%
3	90	3%	-2%
4	95	0%	-1%
5	92	1%	3%
6	85	8%	6%
7	88	7%	1%
8	83	10%	-4%
9	90	6%	-3%
10	92	2%	-4%
11	94	2%	1%
12	88	6%	-4%
13	91	3%	-6%
14	91	4%	-3%
15	90	3%	-1%
16	87	6%	-8%



BEAM DETAILS



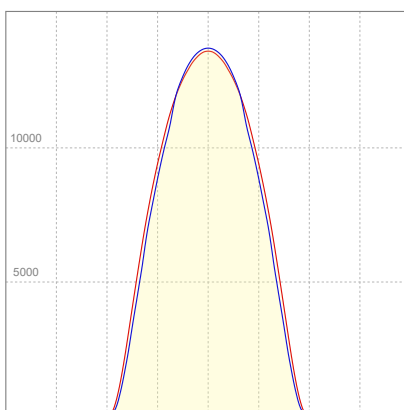
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
111,3°	153,3°	165,5°	82,7%	56,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	13659lx	3415lx	1518lx	854lx	546lx	243lx	137lx	61lx	34lx	22lx	15lx	9lx	5lx
Footcand.	1269fcd	317fcd	141fcd	79fcd	51fcd	23fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	1fcd
Beam wid.	2,9m	5,9m	8,8m	11,7m	14,6m	22m	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	480ft

LINEAR DISTRIBUTION DIAGRAM

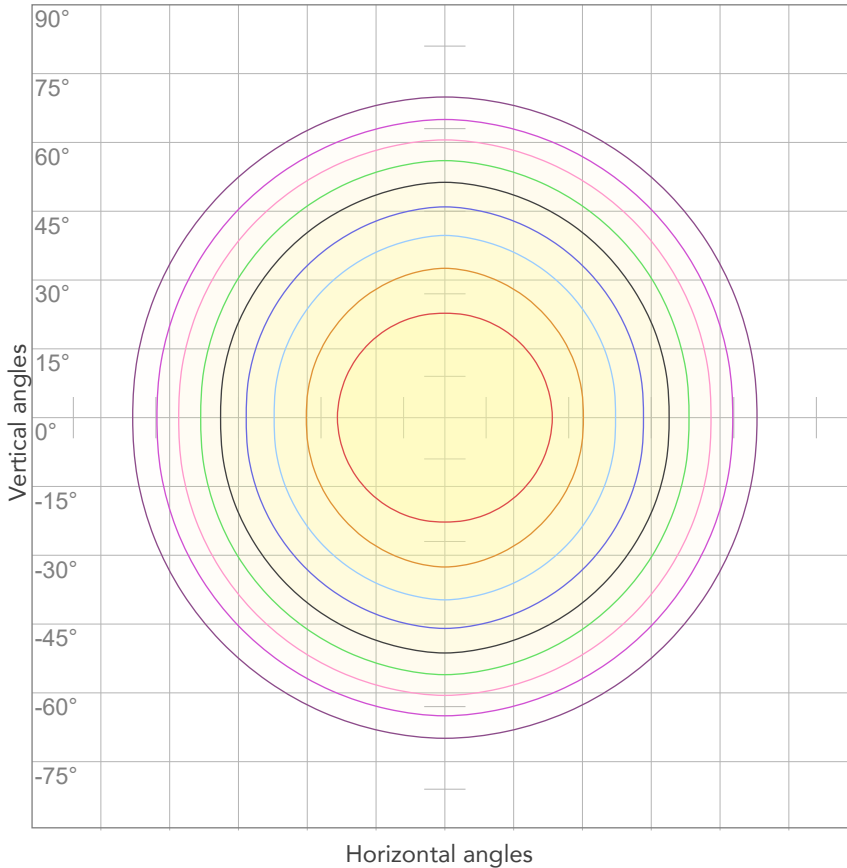


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	1,89A	425,9W	0,99	87lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



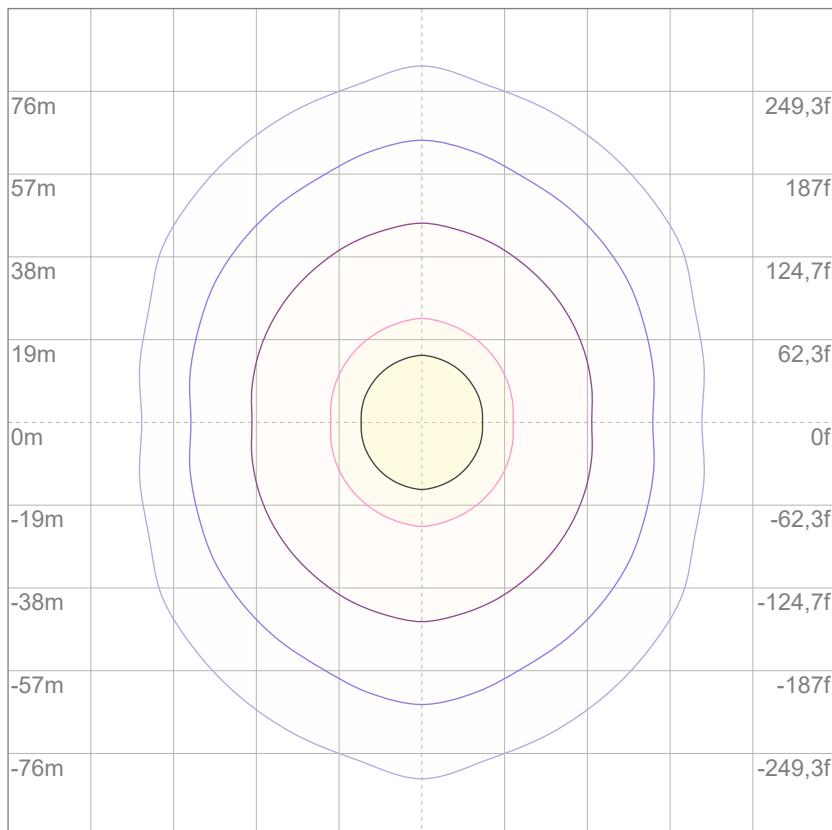
10%	1366 cd
20%	2732 cd
30%	4098 cd
40%	5463 cd
50%	6829 cd
60%	8195 cd
70%	9561 cd
80%	10927 cd

Conditions:

Number of c-planes: 4

Candela at center: 13659 cd

ISO LUX DIAGRAM



3%	4,10 lx
5%	6,83 lx
10%	13,7 lx
30%	41,0 lx
50%	68,3 lx

Conditions:

Number of c-planes: 4

Lux at center: 137 lx

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



Total lumen output:

36510 lm

Peak candela output:

13362 cd

Light quality:

CRI: 91,0

Color temperature:

4025 K

PRODUCT NAME:

SUNBLASTFLX

MEASURAMENT CONDITIONS:

Beam angle:

Original Optic

Target:

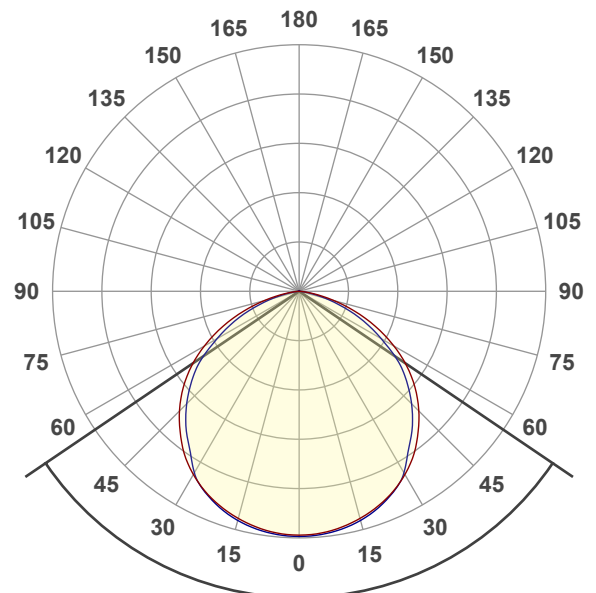
4000K - HB

Operator:

Salvatore Giglio

Date and time:

15/10/2024 14:25:34

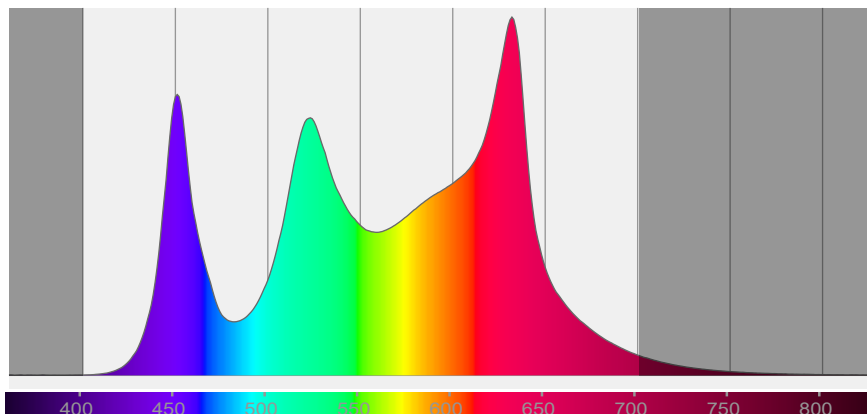


Beam angle 50%: 111,7°

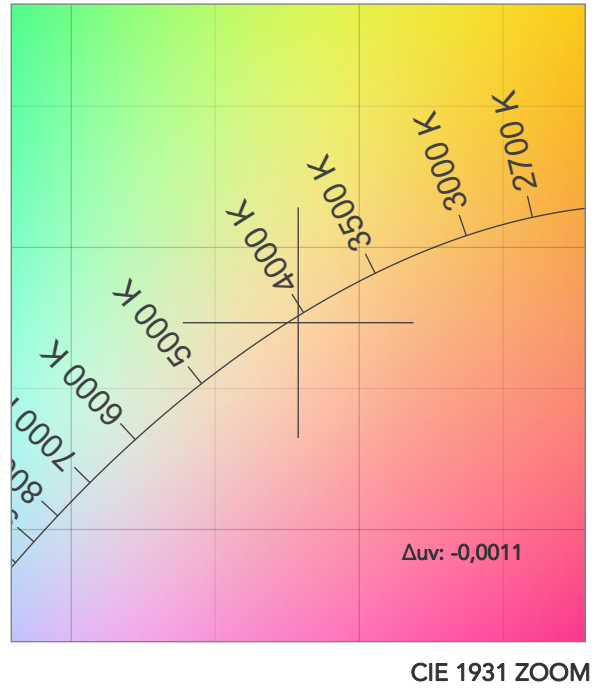
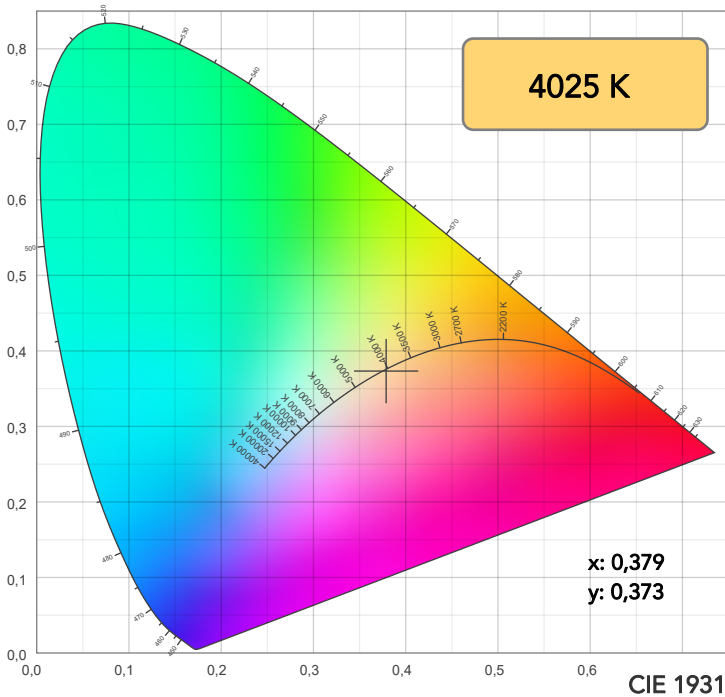
Field angle 10%: 153,5°

Cut off angle 2.5%: 165,7°

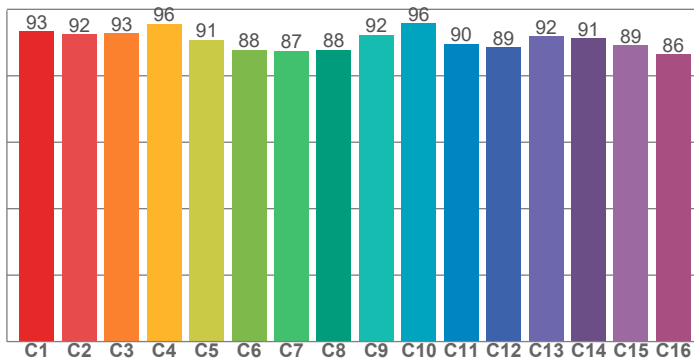
Spectra



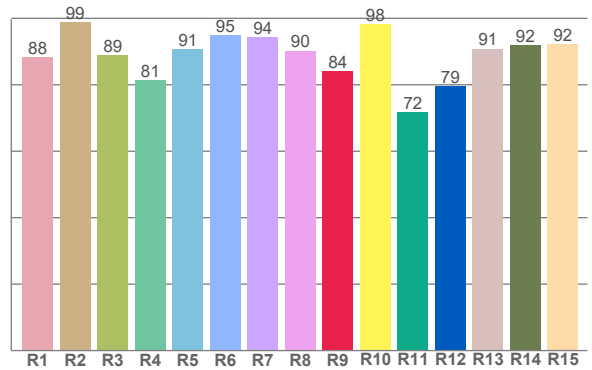
COLOR DETAILS



TM30: 91,2



CRI: 91,0 (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
88,4	98,8	89,0	81,5	90,7	94,8	94,2	90,2	84,2	98,3	71,8	79,5	90,9	91,9	92,2

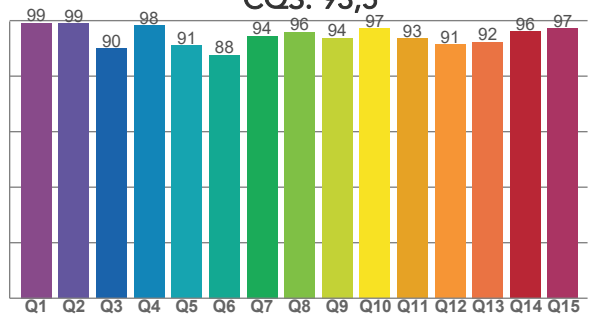
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,4	92,4	92,8	95,6	90,9	87,8	87,5	87,8	92,3	95,7	89,7	88,5	91,8	91,3	89,2	86,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,1	99,0	89,9	98,3	91,0	87,6	94,4	95,8	93,8	97,2	93,5	91,4	92,3	96,1	97,2

CQS: 93,5



COLOR PARAMETERS

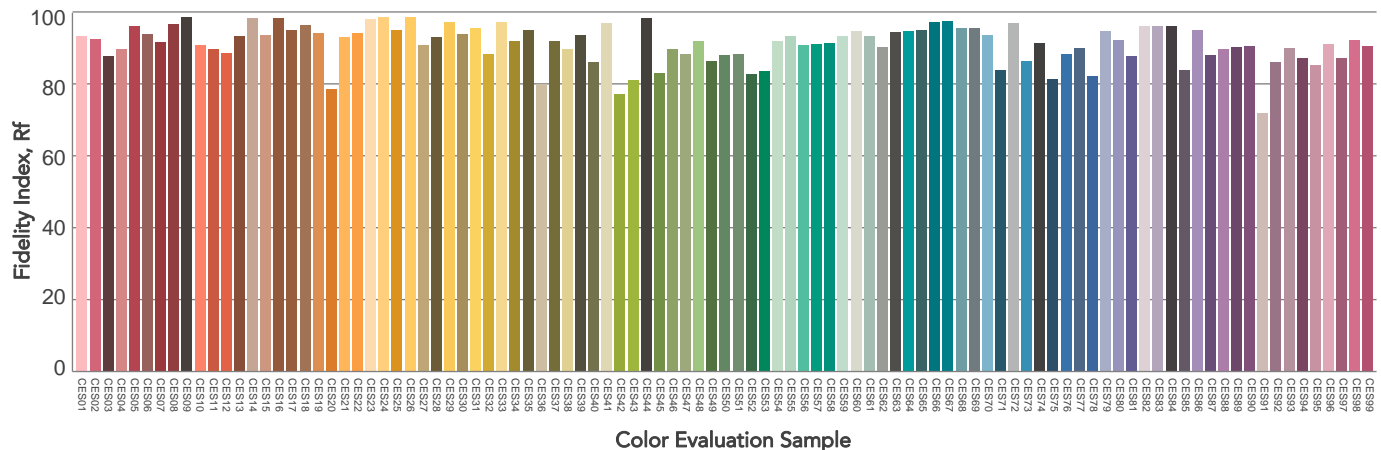
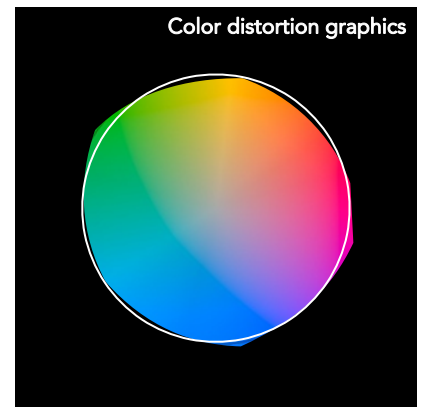
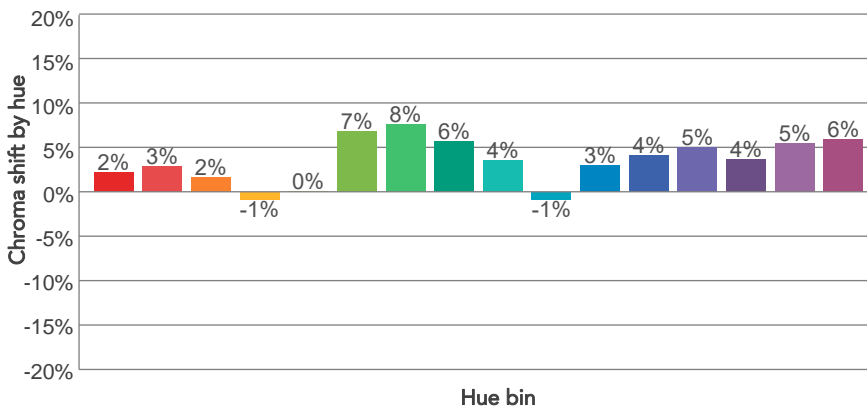
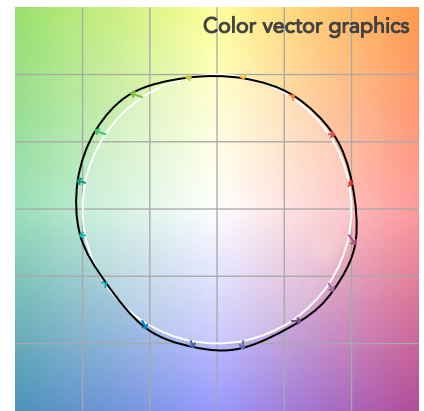
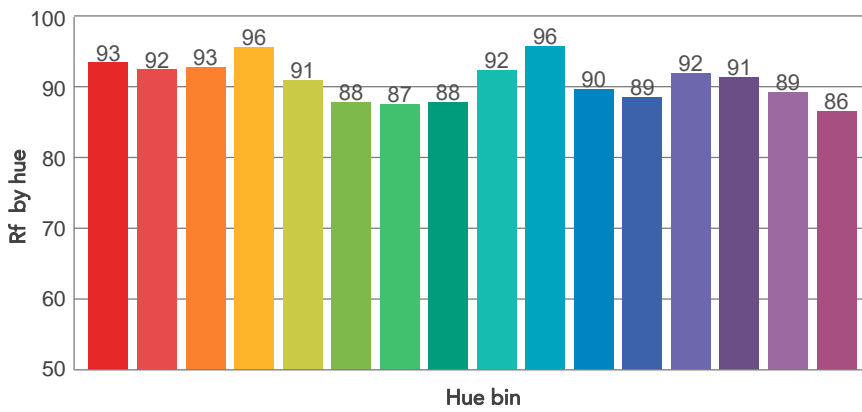
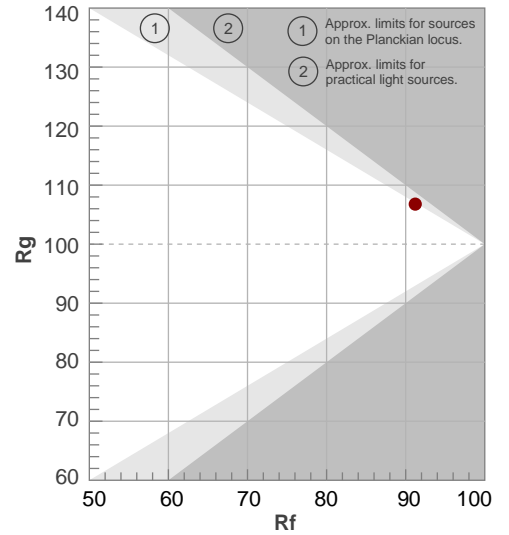
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4025 K	91,0	84,2	91,2	106,8	93,5	82	0,379	0,373	-0,0011

TM30 DETAILS

Rf 91,2
Fidelity index Rf

Rg 106,8
Gammut index

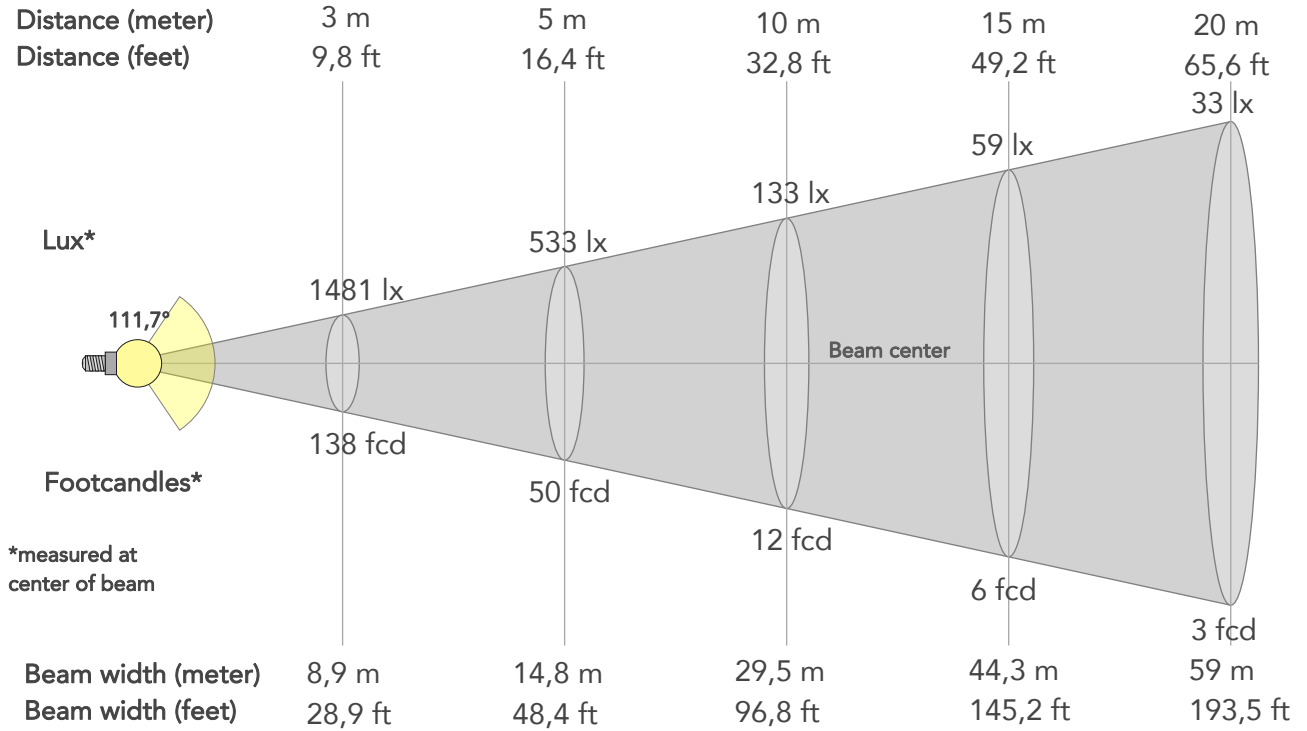
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	2%	-1%
2	92	3%	-2%
3	93	2%	-1%
4	96	-1%	0%
5	91	0%	3%
6	88	7%	5%
7	87	8%	2%
8	88	6%	0%
9	92	4%	-1%
10	96	-1%	0%
11	90	3%	5%
12	89	4%	3%
13	92	5%	-2%
14	91	4%	5%
15	89	5%	-3%
16	86	6%	-5%



BEAM DETAILS



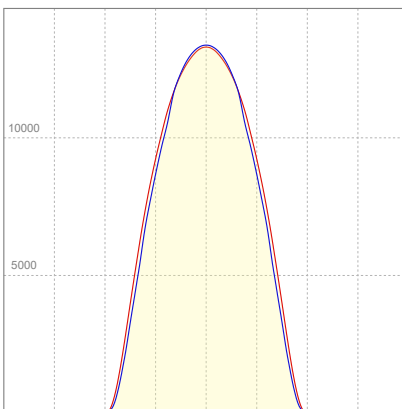
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
111,7°	153,5°	165,7°	82,6%	56,5%



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	13328lx	3332lx	1481lx	833lx	533lx	237lx	133lx	59lx	33lx	21lx	15lx	8lx	5lx
Footcand.	1238fcd	310fcd	138fcd	77fcd	50fcd	22fcd	12fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	3m	5,9m	8,9m	11,8m	14,8m	22,1m	29,5m	44,3m	59m	73,8m	88,5m	118m	147,5m
Beam wid.	9,7ft	19,5ft	28,9ft	38,6ft	48,4ft	72,6ft	96,8ft	145,2ft	193,5ft	241,9ft	290,3ft	387,1ft	483,8ft

LINEAR DISTRIBUTION DIAGRAM

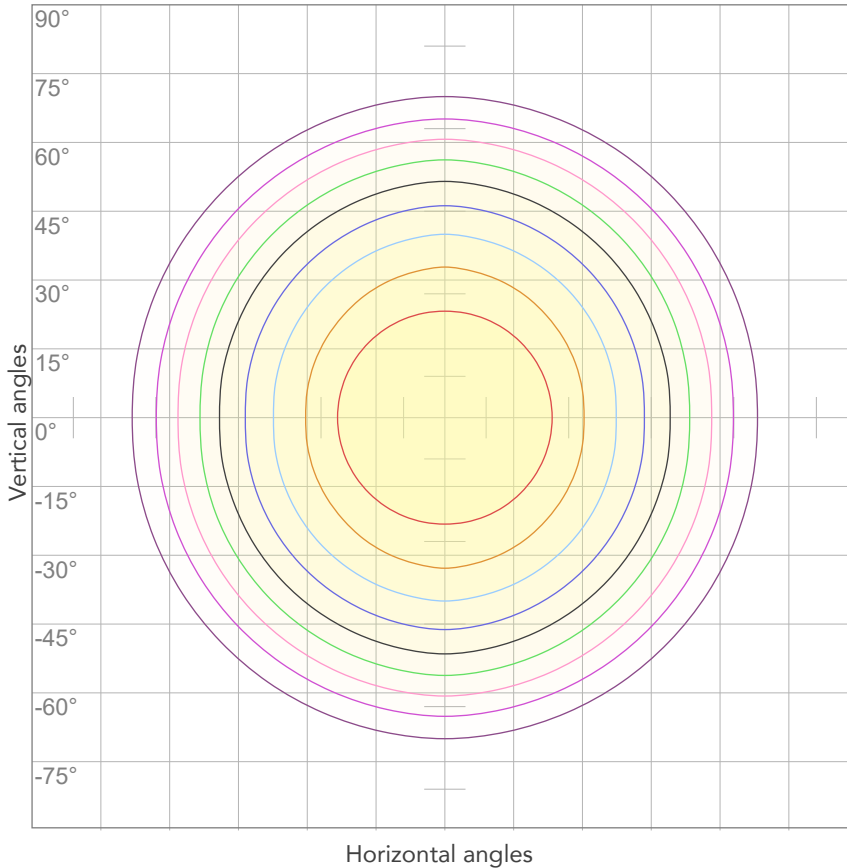


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	1,89A	424,8W	0,99	86lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



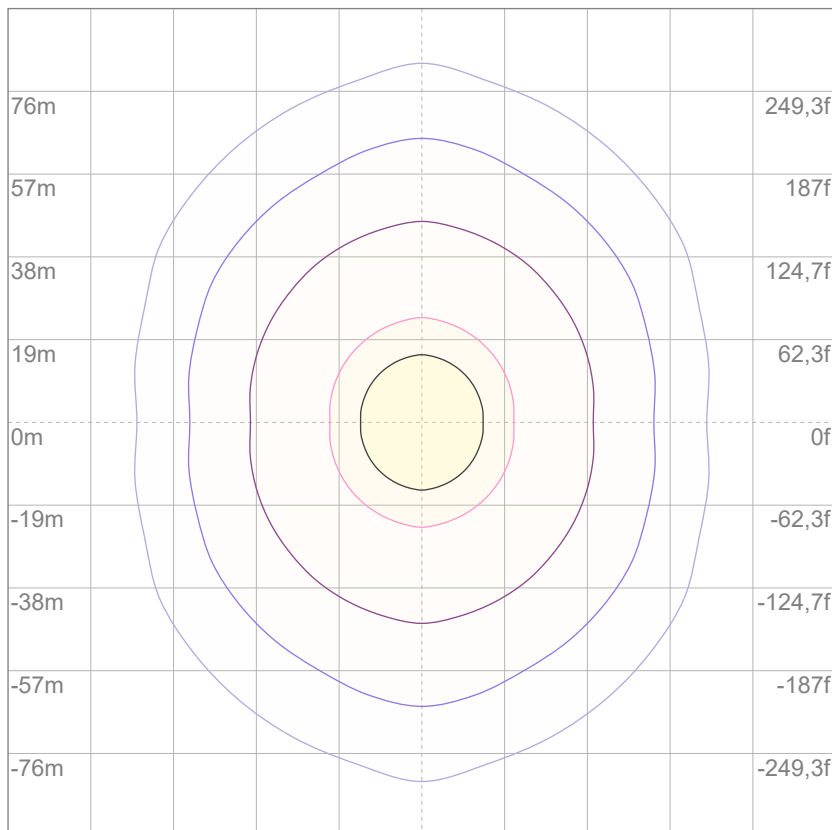
10%	1333 cd
20%	2666 cd
30%	3998 cd
40%	5331 cd
50%	6664 cd
60%	7997 cd
70%	9329 cd
80%	10662 cd

Conditions:

Number of c-planes: 4

Candela at center: 13328 cd

ISO LUX DIAGRAM



3%	4,00 lx
5%	6,66 lx
10%	13,3 lx
30%	40,0 lx
50%	66,6 lx

Conditions:

Number of c-planes: 4

Lux at center: 133 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:

35684 lm

Peak candela output:

12943 cd

Light quality:

CRI: 90,3

Color temperature:

5619 K

PRODUCT NAME:

SUNBLASTFLX

MEASUREMENT CONDITIONS:

Beam angle:

Original Optic

Target:

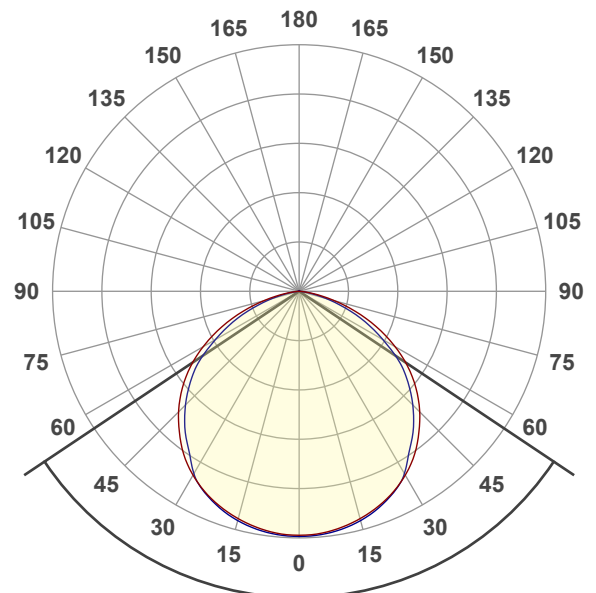
5600K - HB

Operator:

Salvatore Giglio

Date and time:

15/10/2024 14:22:15

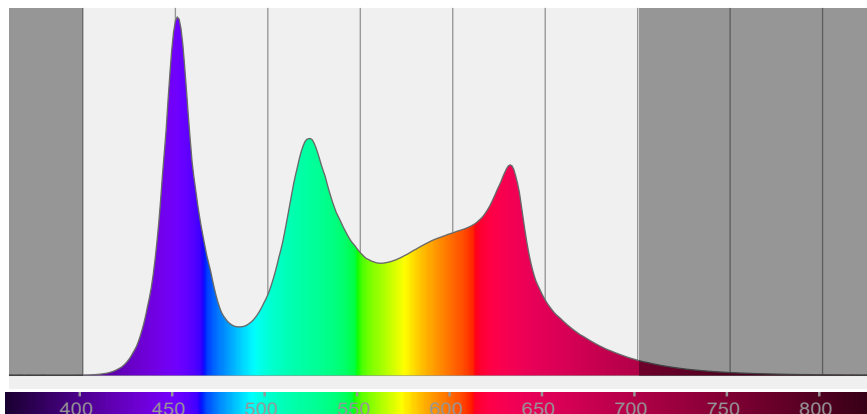


Beam angle 50%: 112,4°

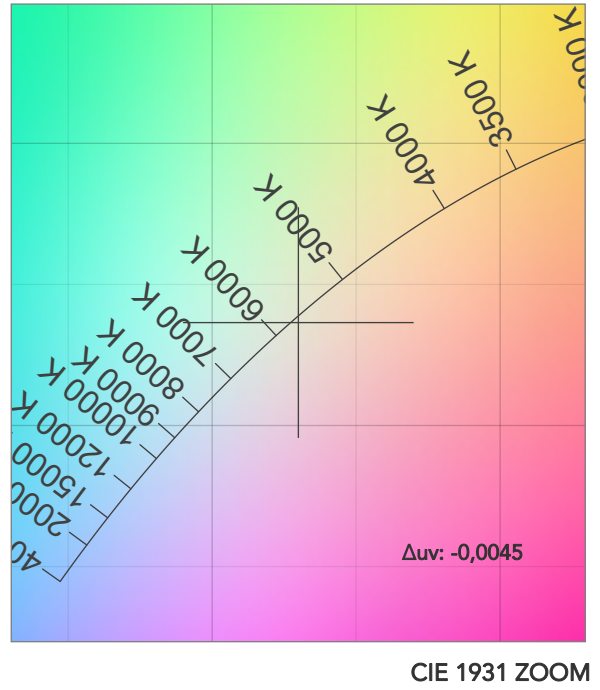
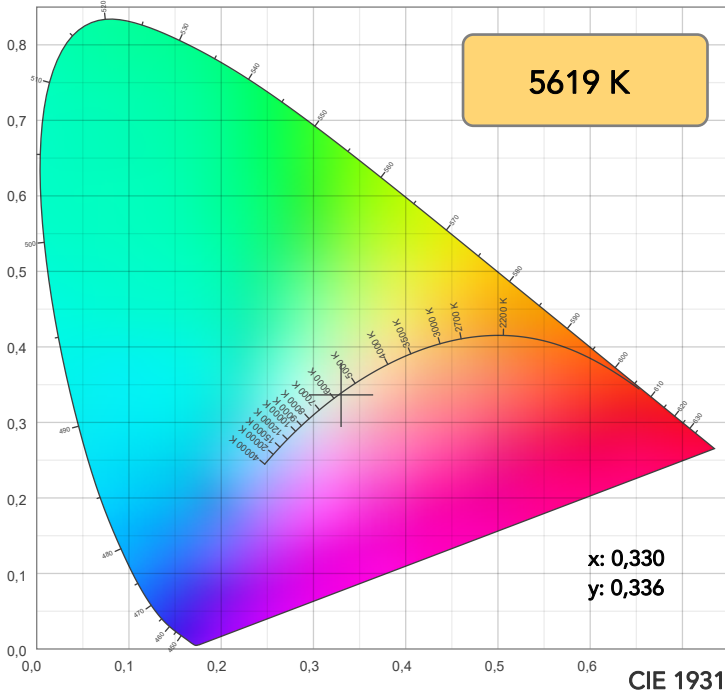
Field angle 10%: 153,8°

Cut off angle 2.5%: 165,9°

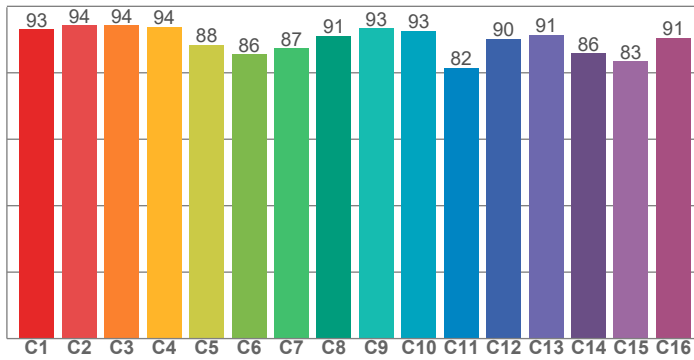
Spectra



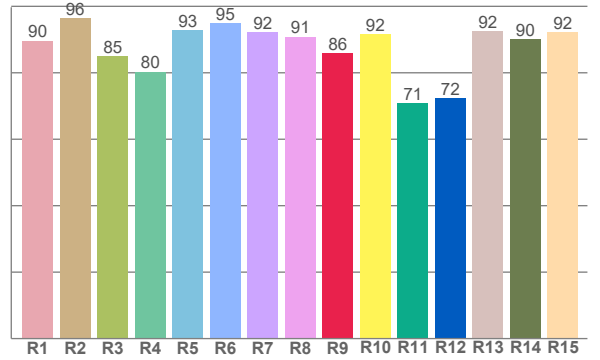
COLOR DETAILS



TM30: 89,7



CRI: 90,3 (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
89,6	96,5	85,1	80,4	92,9	94,8	92,1	90,9	85,9	91,6	70,8	72,3	92,4	90,1	92,3

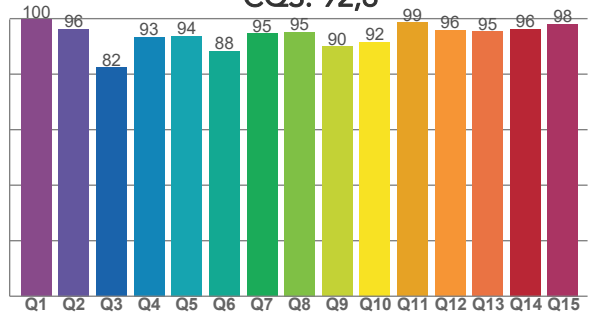
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,0	94,3	94,3	93,8	88,4	85,6	87,3	91,1	93,3	92,6	81,5	90,2	91,5	85,8	83,4	90,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,6	96,2	82,5	93,3	93,8	88,4	94,6	95,2	89,9	91,6	98,6	95,9	95,4	96,2	98,1

CQS: 92,6



COLOR PARAMETERS

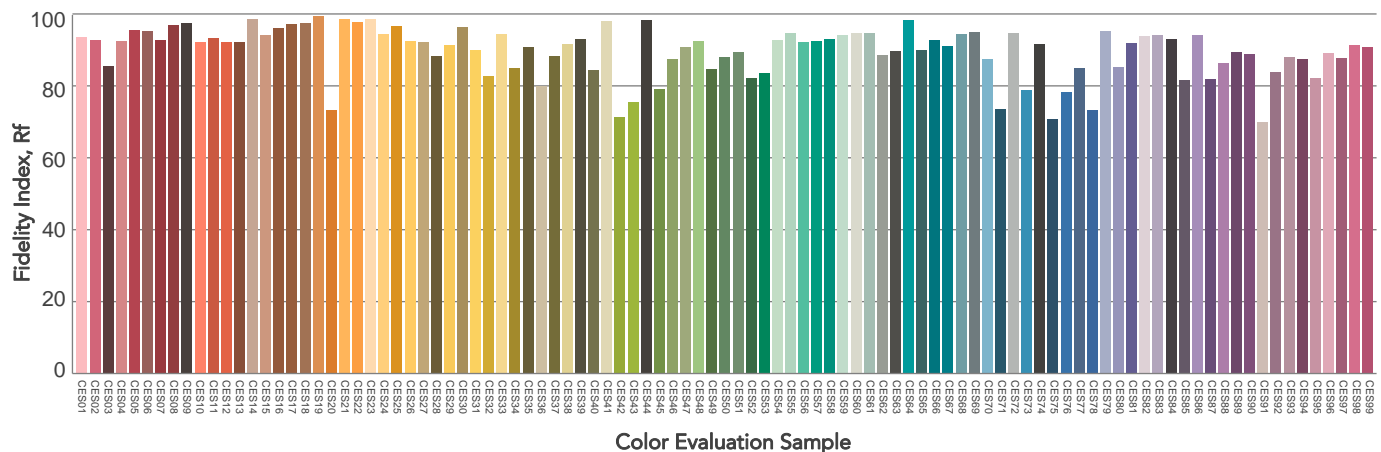
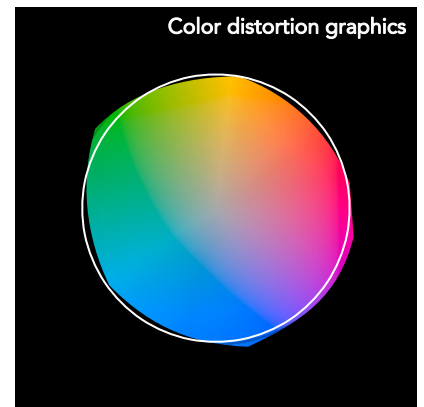
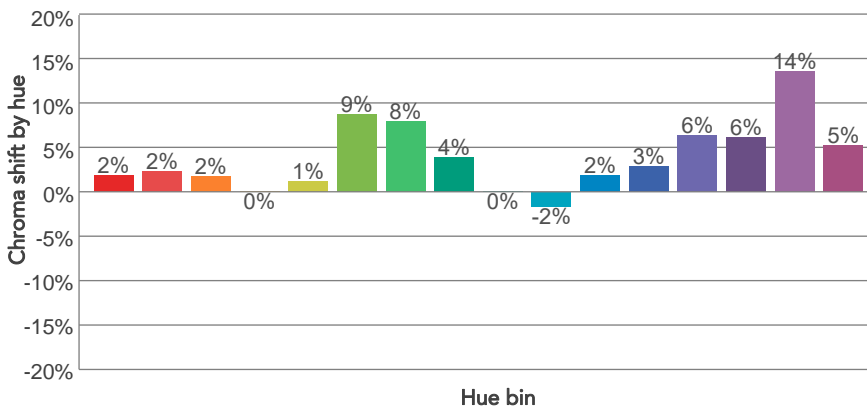
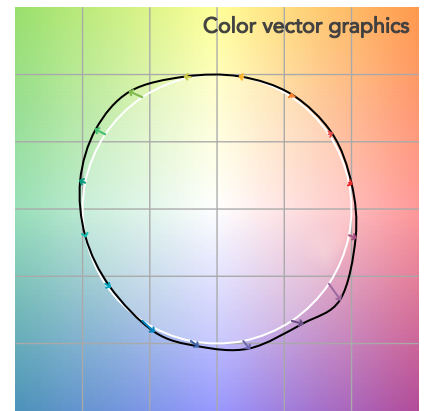
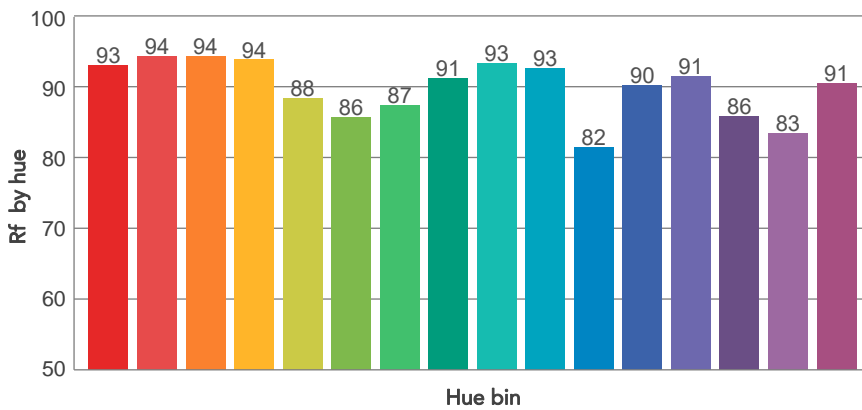
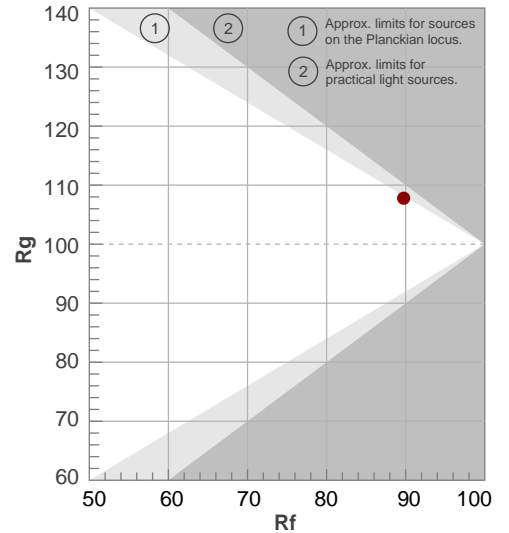
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5619 K	90,3	85,9	89,7	107,8	92,6	86	0,330	0,336	-0,0045

TM30 DETAILS

Rf 89,7
Fidelity index Rf

Rg 107,8
Gammut index

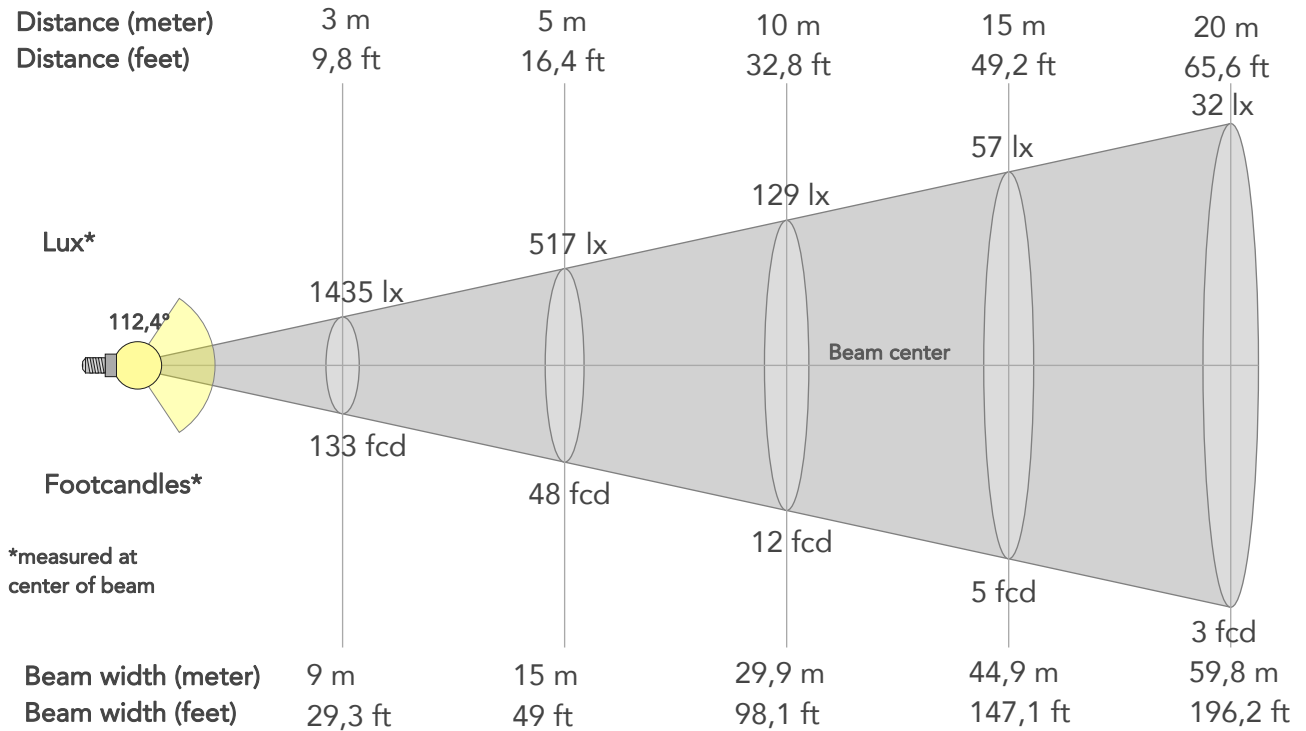
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	2%	-1%
2	94	2%	-1%
3	94	2%	1%
4	94	0%	3%
5	88	1%	4%
6	86	9%	5%
7	87	8%	1%
8	91	4%	-1%
9	93	0%	1%
10	93	-2%	4%
11	82	2%	11%
12	90	3%	6%
13	91	6%	3%
14	86	6%	5%
15	83	14%	-5%
16	91	5%	-1%



BEAM DETAILS



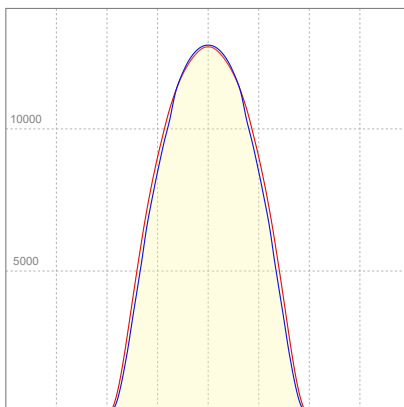
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
112,4°	153,8°	165,9°	82,4%	56,2%



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	12913lx	3228lx	1435lx	807lx	517lx	230lx	129lx	57lx	32lx	21lx	14lx	8lx	5lx
Footcand.	1200fcd	300fcd	133fcd	75fcd	48fcd	21fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	3m	6m	9m	12m	15m	22,4m	29,9m	44,9m	59,8m	74,8m	89,7m	119,6m	149,5m
Beam wid.	9,9ft	19,7ft	29,3ft	39,2ft	49ft	73,6ft	98,1ft	147,1ft	196,2ft	245,2ft	294,2ft	392,3ft	490,4ft

LINEAR DISTRIBUTION DIAGRAM

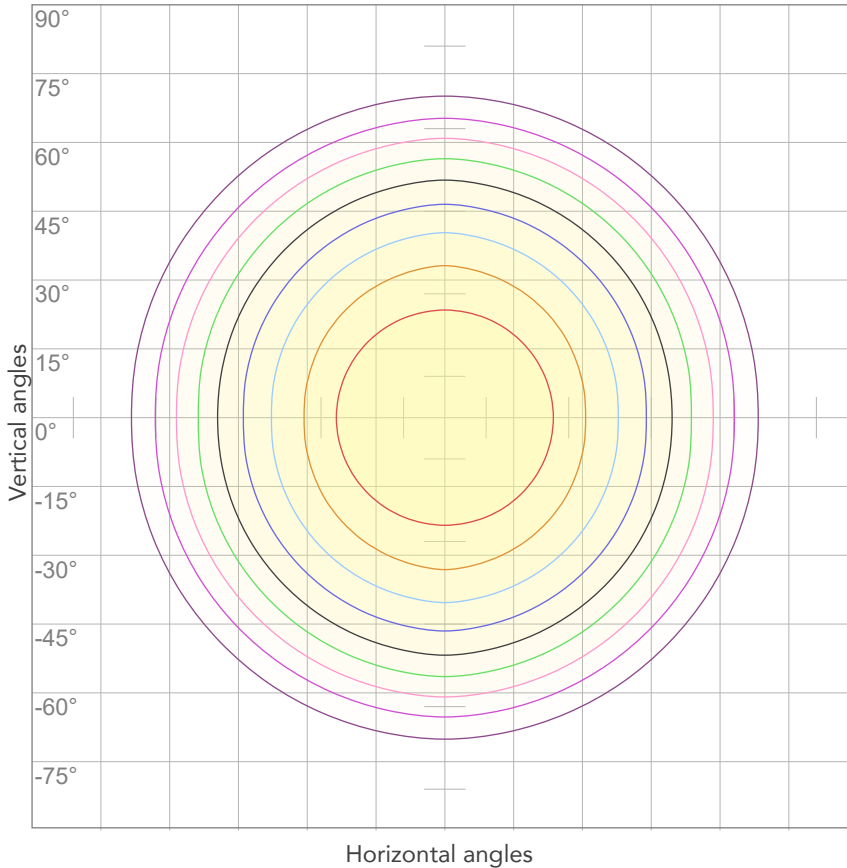


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	1,92A	433,6W	0,99	82lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



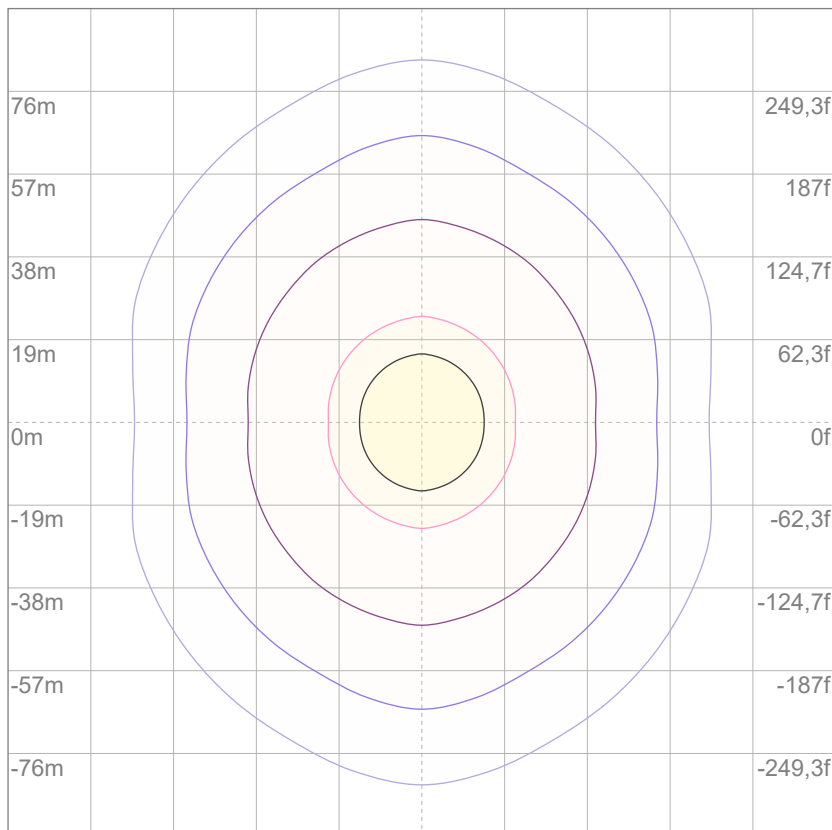
10%	1291 cd
20%	2583 cd
30%	3874 cd
40%	5165 cd
50%	6457 cd
60%	7748 cd
70%	9039 cd
80%	10331 cd

Conditions:

Number of c-planes: 4

Candela at center: 12913 cd

ISO LUX DIAGRAM



3%	3,87 lx
5%	6,46 lx
10%	12,9 lx
30%	38,7 lx
50%	64,6 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:

35640 lm

Peak candela output:

12916 cd

Light quality:

CRI: 90,5

Color temperature:

6008 K

PRODUCT NAME:

SUNBLASTFLX

MEASUREMENT CONDITIONS:

Beam angle:

Original Optic

Target:

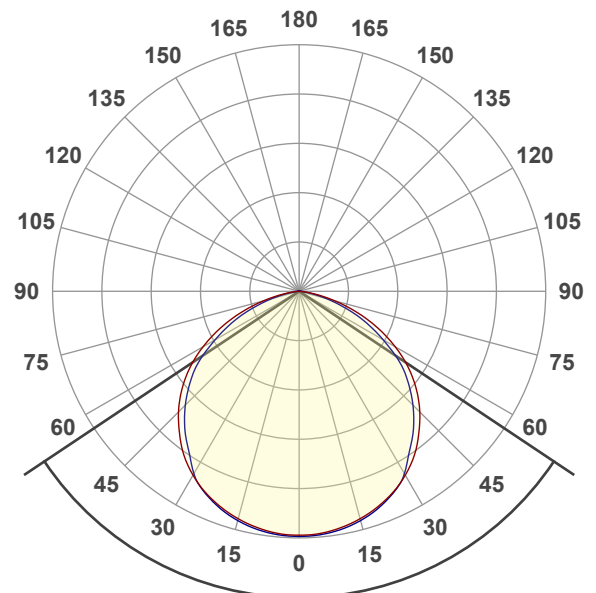
6000K - HB

Operator:

Salvatore Giglio

Date and time:

15/10/2024 14:14:44

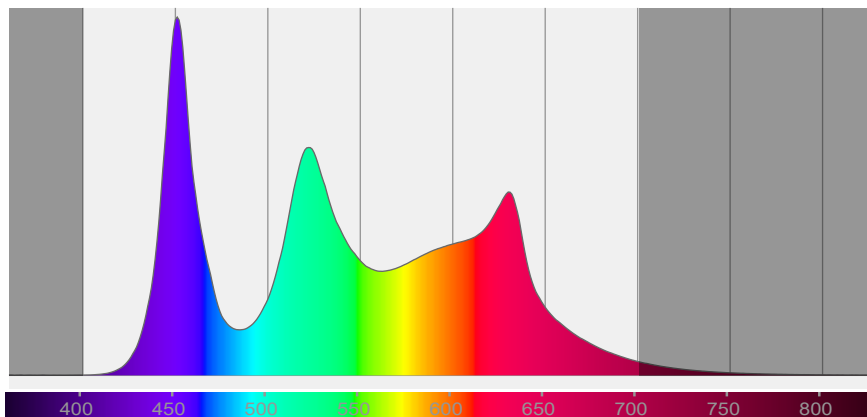


Beam angle 50%: 112,5°

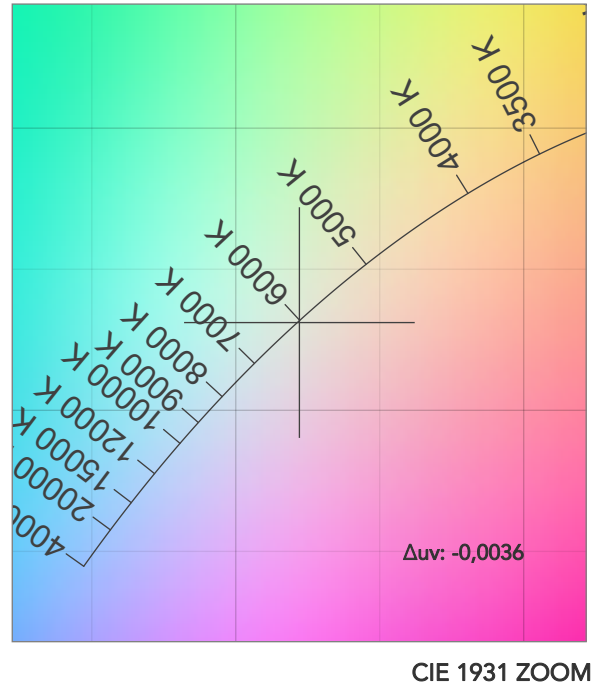
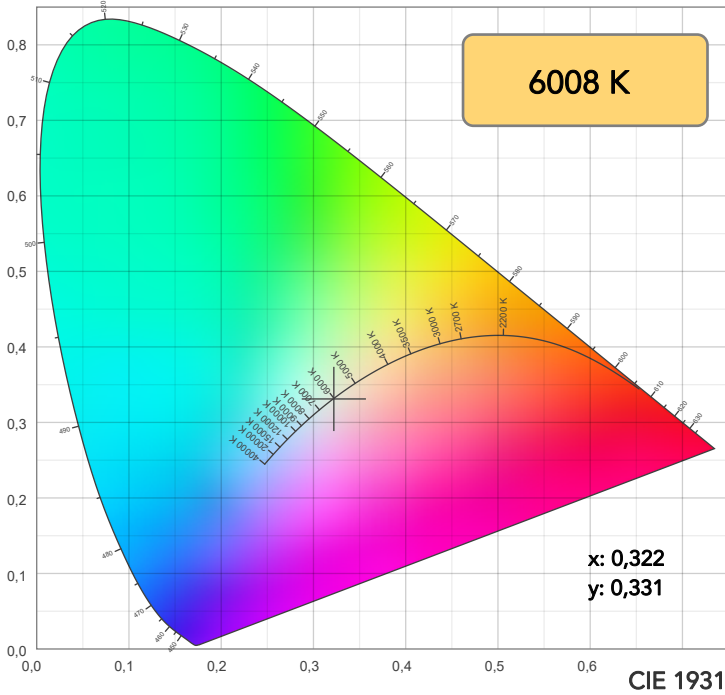
Field angle 10%: 153,8°

Cut off angle 2.5%: 165,9°

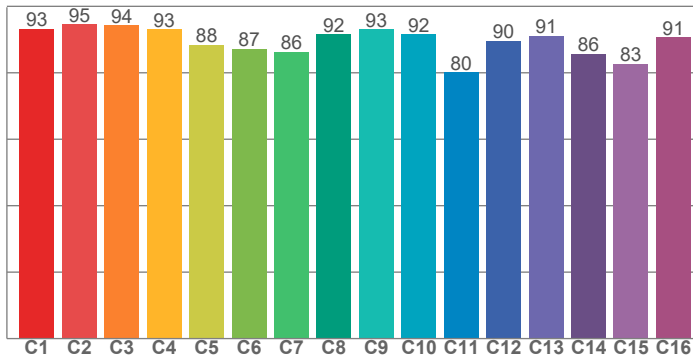
Spectra



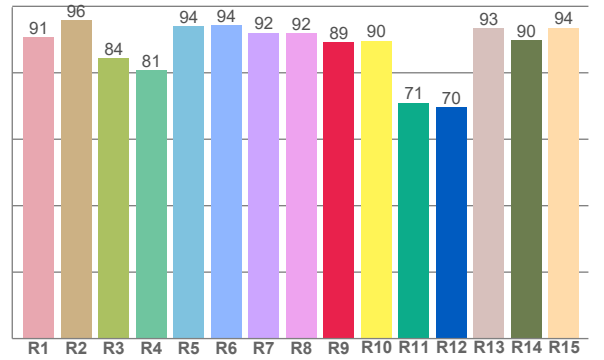
COLOR DETAILS



TM30: 89,5



CRI: 90,5 (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
90,7	95,8	84,5	80,7	94,1	94,4	92,0	91,9	89,3	89,6	71,0	69,7	93,5	89,9	93,6

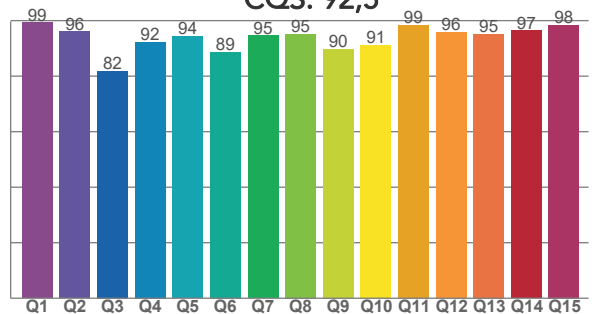
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,2	94,6	94,3	93,1	88,4	87,3	86,3	91,6	93,2	91,5	80,1	89,6	91,2	85,7	82,6	90,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,4	96,1	81,9	92,3	94,4	88,8	94,6	95,1	89,7	91,2	98,5	95,9	95,2	96,5	98,4

CQS: 92,5



COLOR PARAMETERS

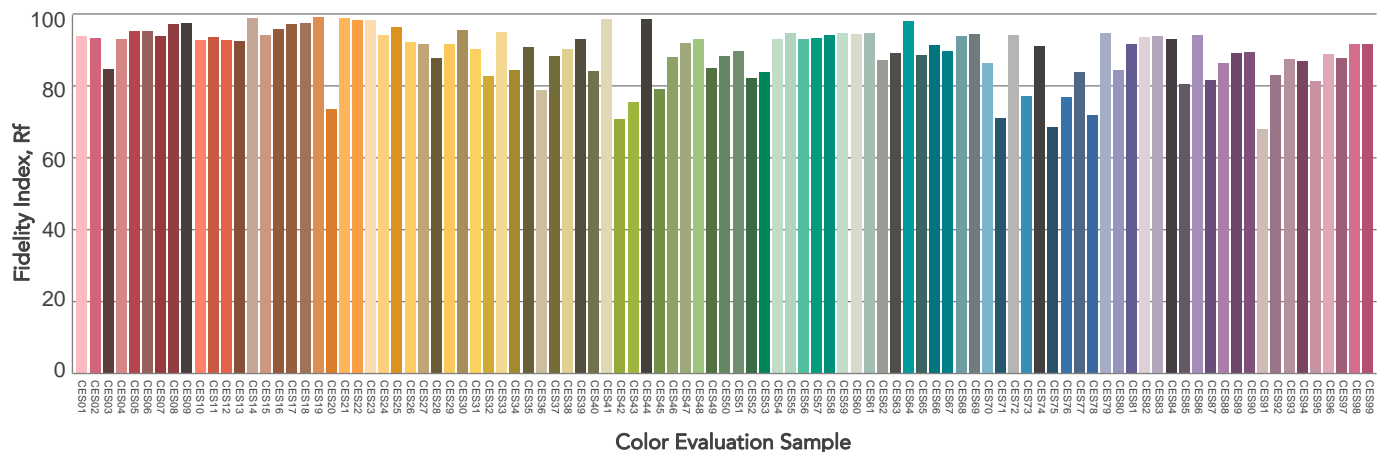
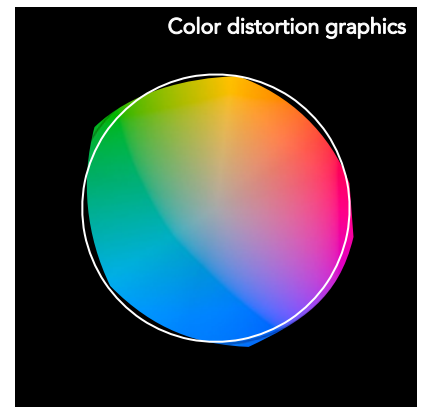
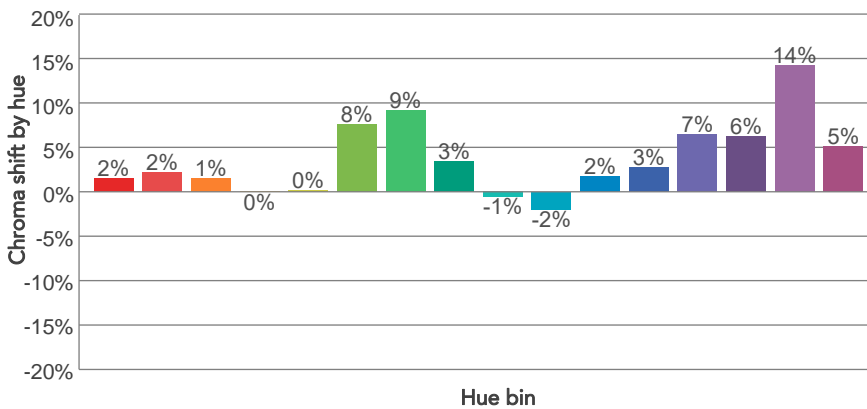
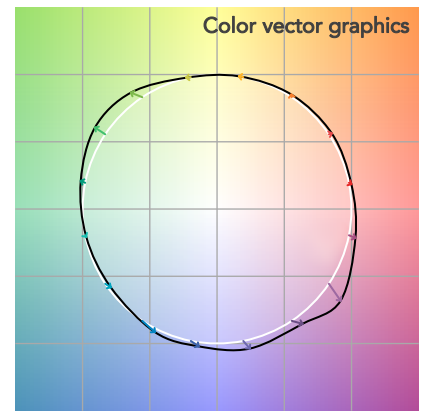
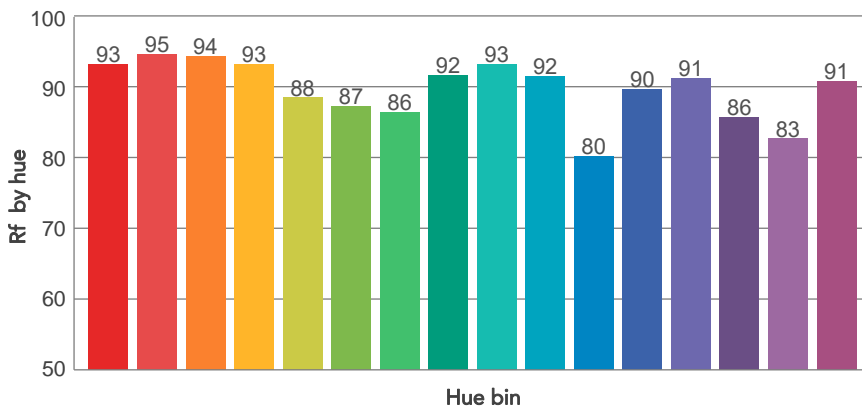
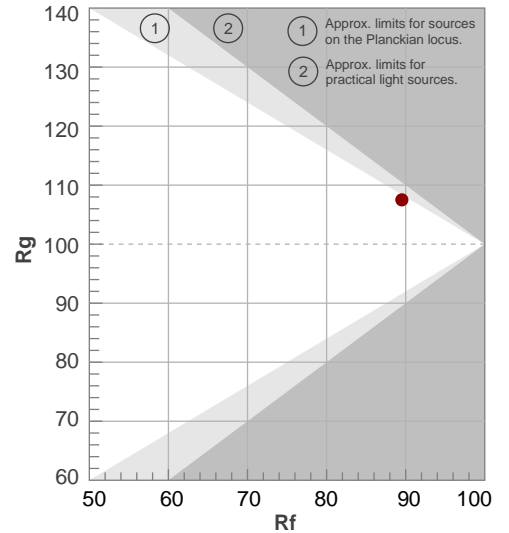
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6008 K	90,5	89,3	89,5	107,5	92,5	86	0,322	0,331	-0,0036

TM30 DETAILS

Rf 89,5
Fidelity index Rf

Rg 107,5
Gammut index

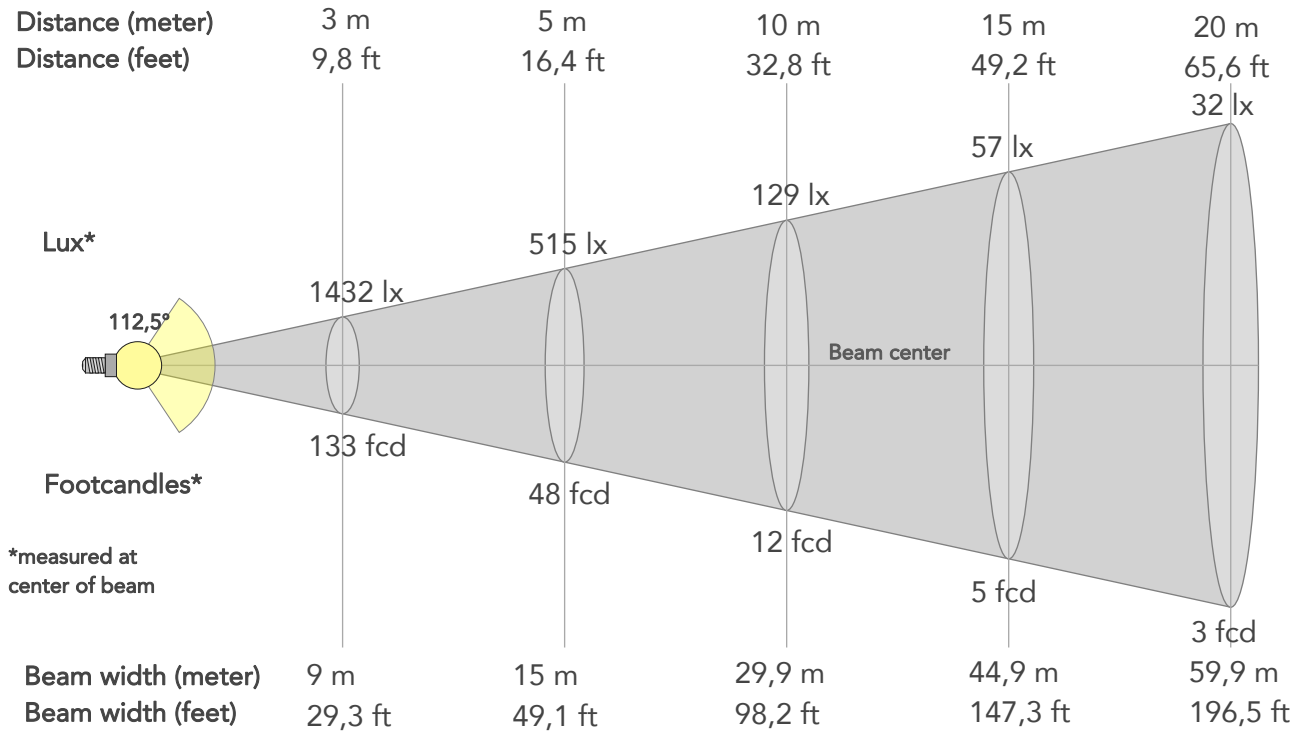
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	2%	-1%
2	95	2%	-1%
3	94	1%	1%
4	93	0%	3%
5	88	0%	3%
6	87	8%	5%
7	86	9%	0%
8	92	3%	-1%
9	93	-1%	1%
10	92	-2%	5%
11	80	2%	12%
12	90	3%	7%
13	91	7%	4%
14	86	6%	5%
15	83	14%	-6%
16	91	5%	-1%



BEAM DETAILS



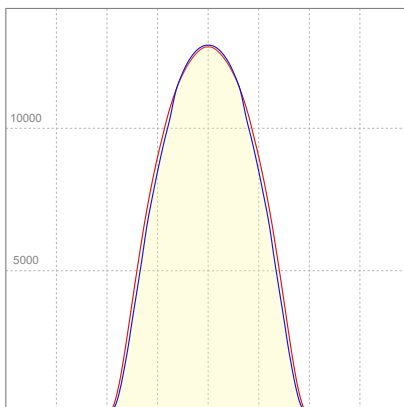
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
112,5°	153,8°	165,9°	82,4%	56,2%



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	12885lx	3221lx	1432lx	805lx	515lx	229lx	129lx	57lx	32lx	21lx	14lx	8lx	5lx
Footcand.	1197fcd	299fcd	133fcd	75fcd	48fcd	21fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	3m	6m	9m	12m	15m	22,5m	29,9m	44,9m	59,9m	74,9m	89,8m	119,8m	149,7m
Beam wid.	9,9ft	19,8ft	29,3ft	39,2ft	49,1ft	73,7ft	98,2ft	147,3ft	196,5ft	245,6ft	294,7ft	392,9ft	491,2ft

LINEAR DISTRIBUTION DIAGRAM

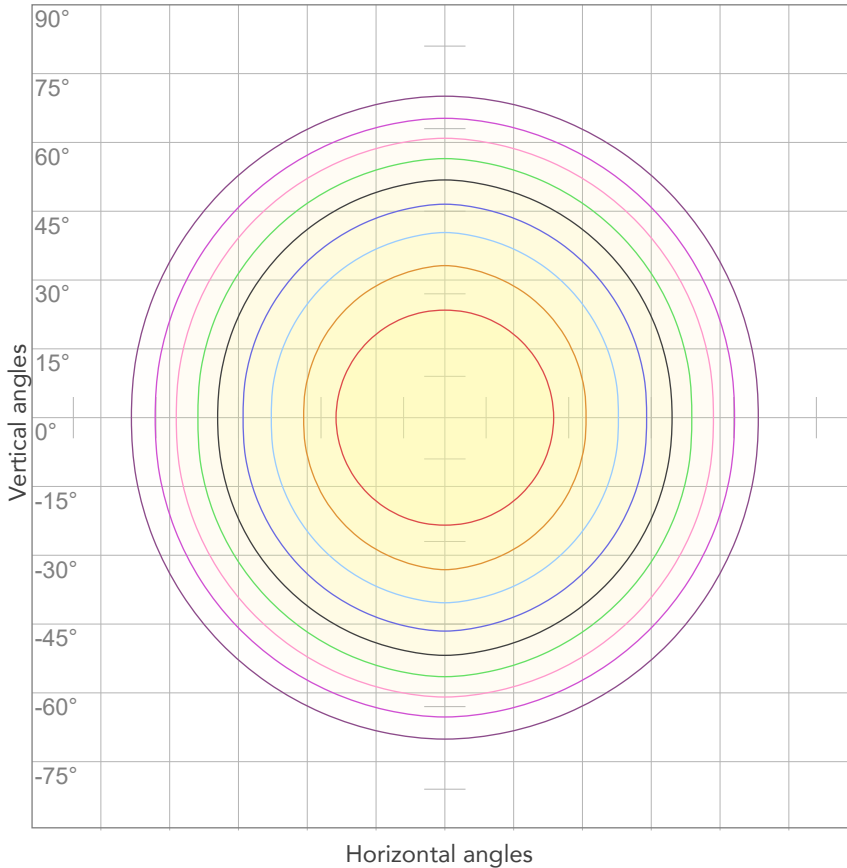


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	1,93A	435W	0,99	82lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



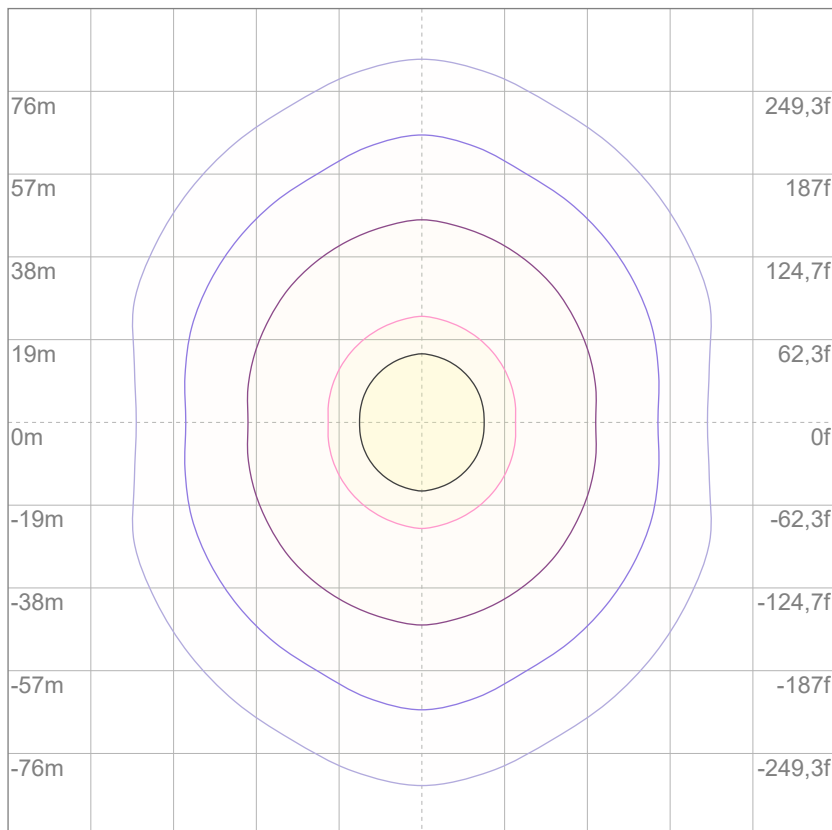
10%	1288 cd
20%	2577 cd
30%	3865 cd
40%	5154 cd
50%	6442 cd
60%	7731 cd
70%	9019 cd
80%	10308 cd

Conditions:

Number of c-planes: 4

Candela at center: 12885 cd

ISO LUX DIAGRAM



3%	3,87 lx
5%	6,44 lx
10%	12,9 lx
30%	38,7 lx
50%	64,4 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.



Total lumen output:

40376 lm

Peak candela output:

20595 cd

Light quality:

CRI: 90,5

Color temperature:

6186 K

PRODUCT NAME:

SUNBLASTFLX

MEASUREMENT CONDITIONS:

Beam angle:

Original Optic

Target:

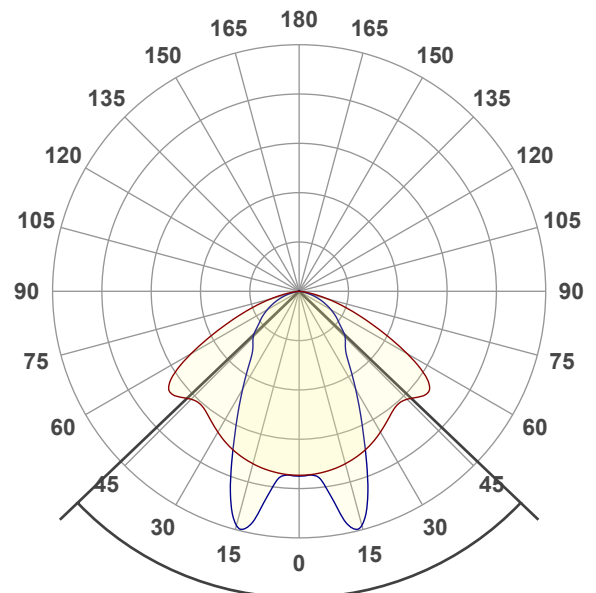
Full On (Plate + Beam) - HQ

Operator:

Salvatore Giglio

Date and time:

14/10/2024 17:09:13

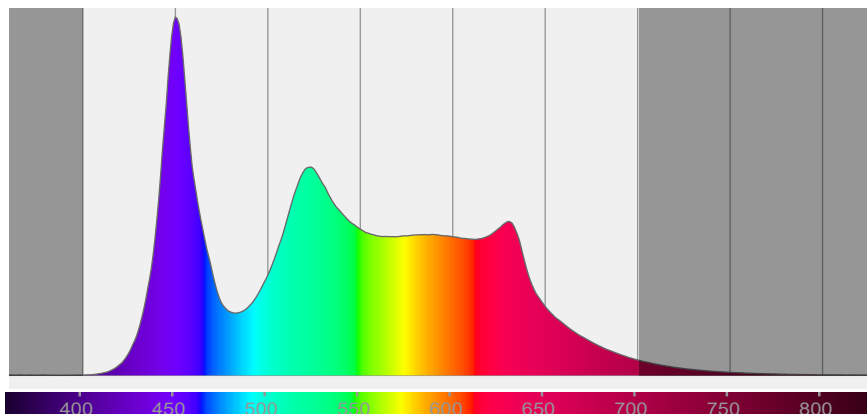


Beam angle 50%: 92,7°

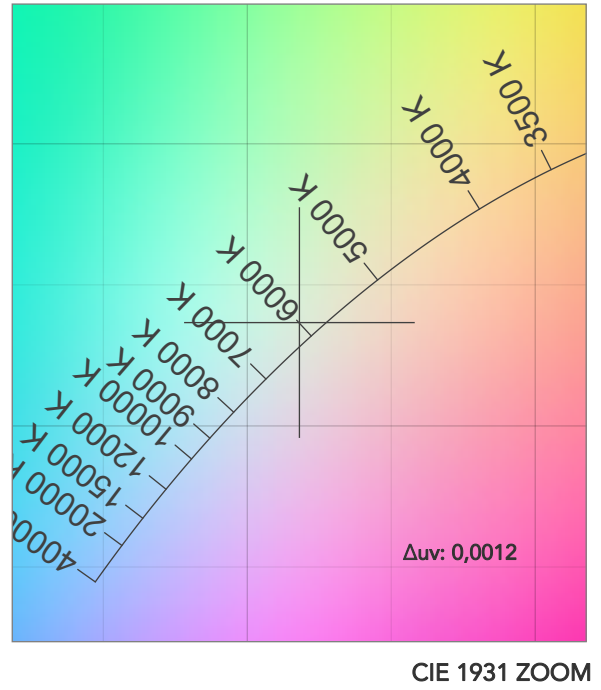
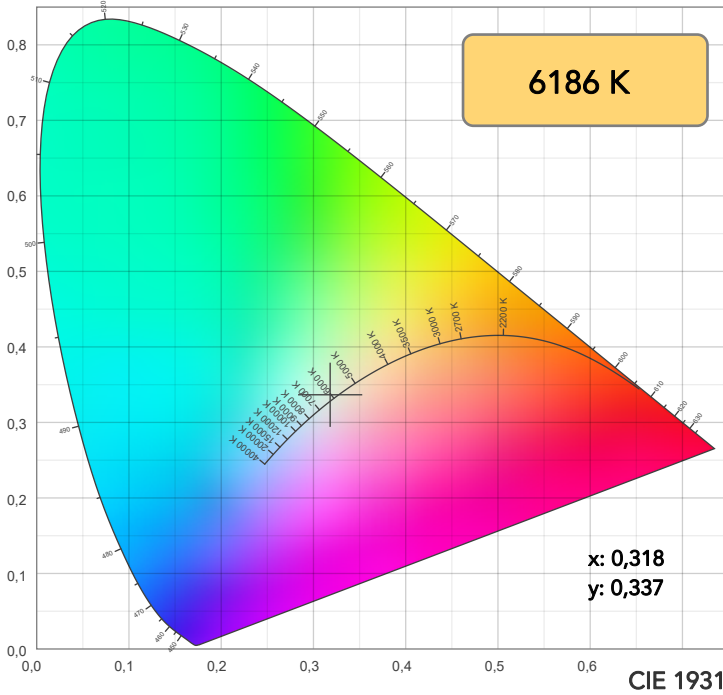
Field angle 10%: 145°

Cut off angle 2.5%: 161,9°

Spectra

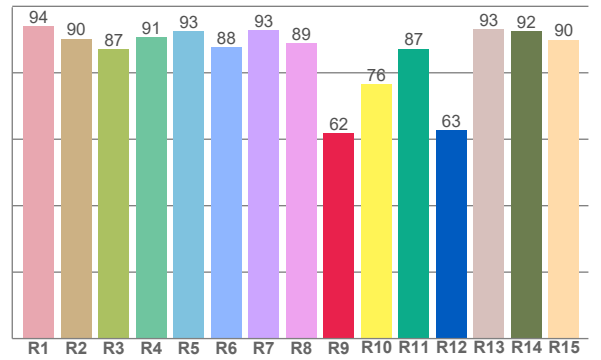
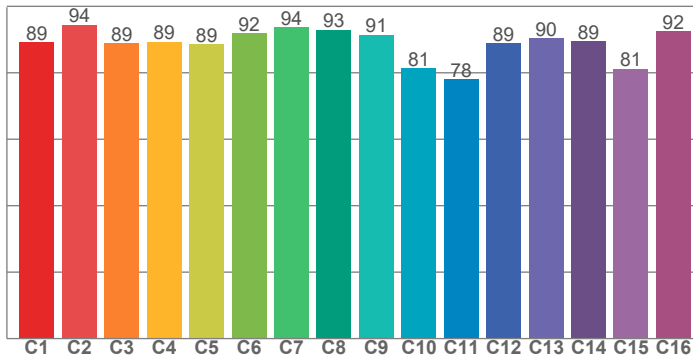


COLOR DETAILS



TM30: 88,6

CRI: 90,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,0	90,3	87,1	90,7	92,5	87,6	92,7	88,9	61,9	76,5	87,2	62,7	93,1	92,5	90,0

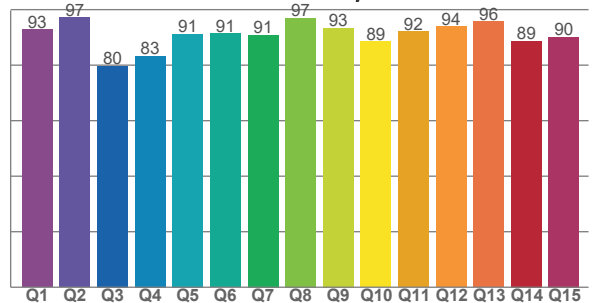
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,2	94,4	88,8	89,4	88,5	91,8	93,7	92,9	91,4	81,3	78,0	88,9	90,4	89,4	81,3	92,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,8	97,1	79,8	83,3	91,2	91,4	90,8	97,0	93,4	88,6	92,2	94,0	95,7	88,7	90,1

CQS: 90,0



COLOR PARAMETERS

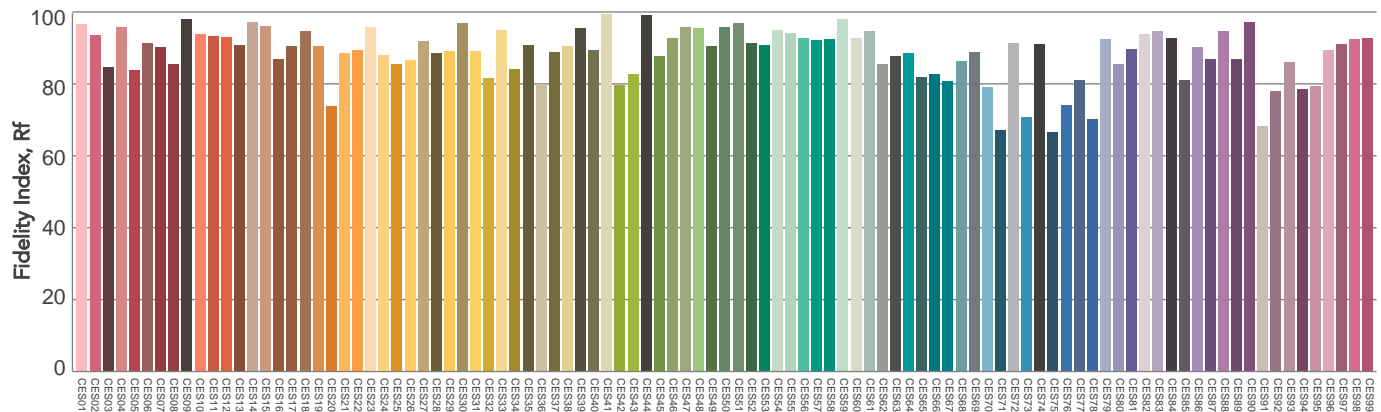
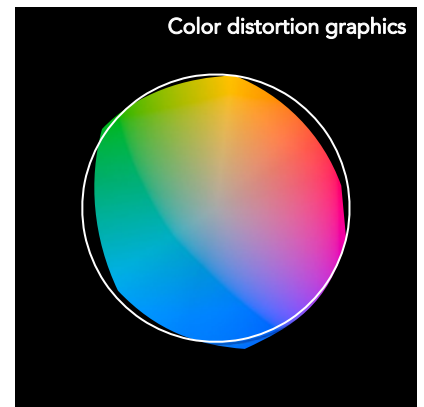
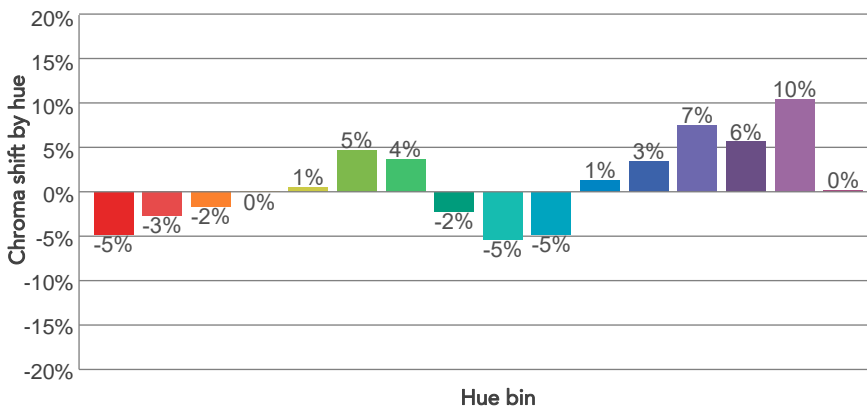
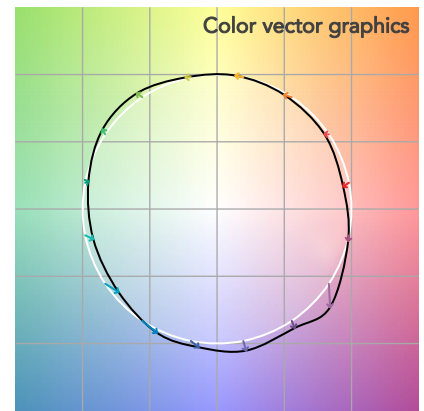
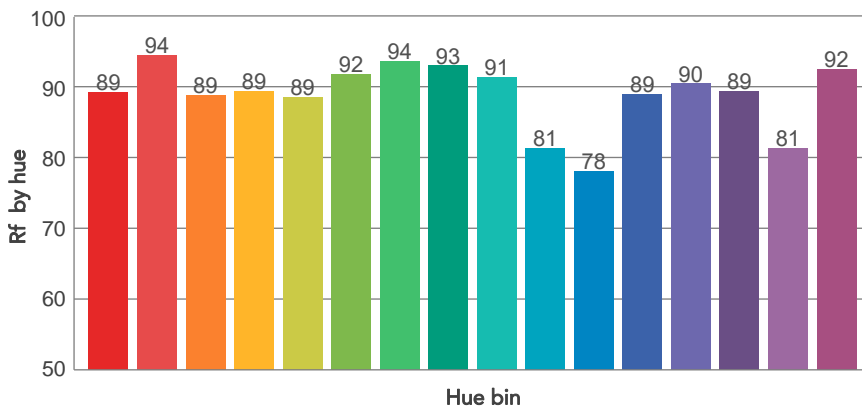
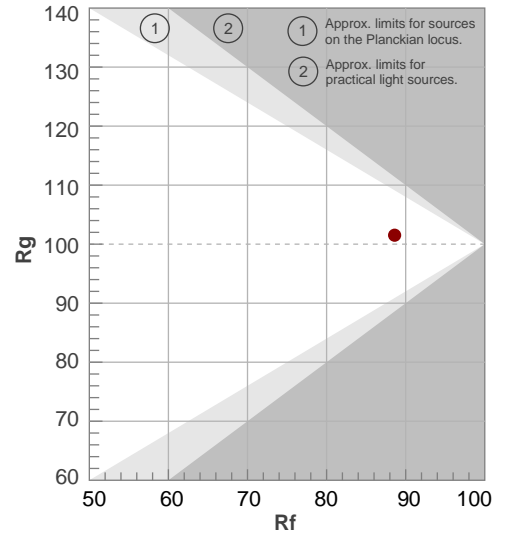
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6186 K	90,5	61,9	88,6	101,5	90,0	89	0,318	0,337	0,0012

TM30 DETAILS

Rf 88,6
Fidelity index Rf

Rg 101,5
Gammut index

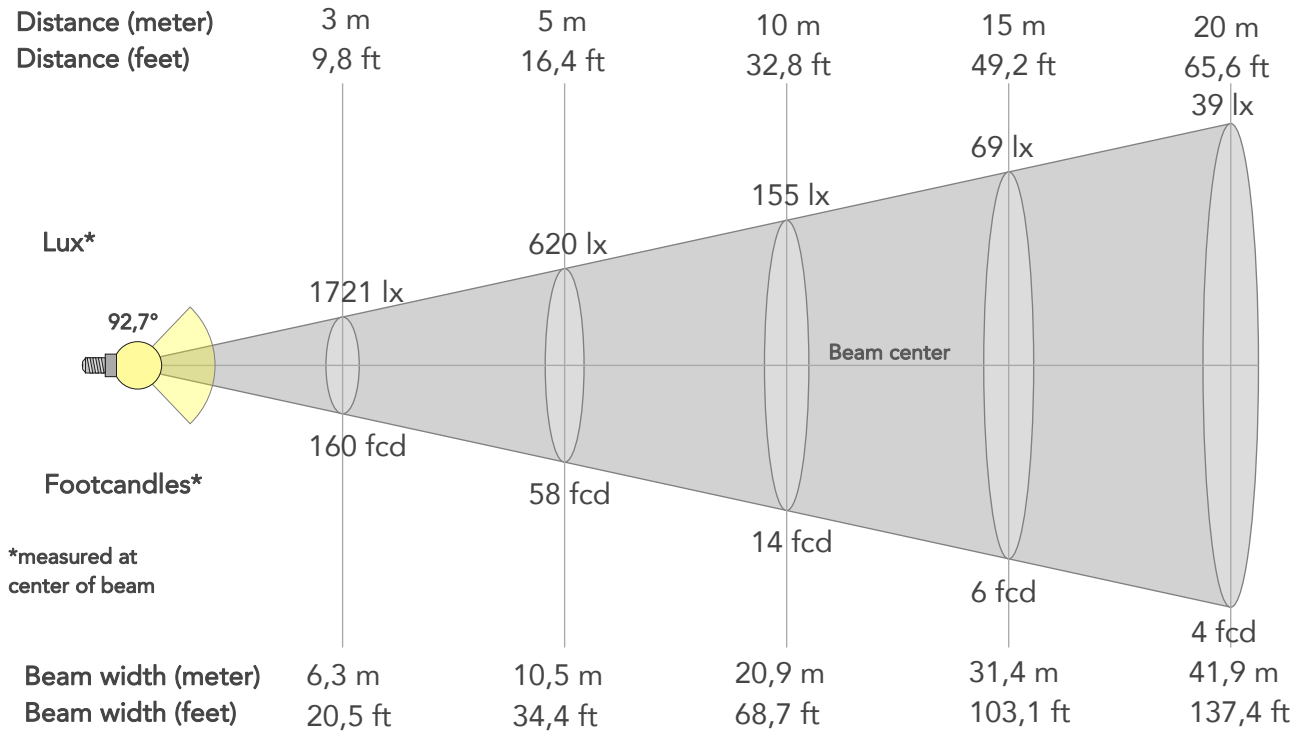
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	-5%	-2%
2	94	-3%	2%
3	89	-2%	6%
4	89	0%	6%
5	89	1%	4%
6	92	5%	2%
7	94	4%	-2%
8	93	-2%	-2%
9	91	-5%	4%
10	81	-5%	11%
11	78	1%	14%
12	89	3%	7%
13	90	7%	1%
14	89	6%	-1%
15	81	10%	-14%
16	92	0%	-4%



BEAM DETAILS



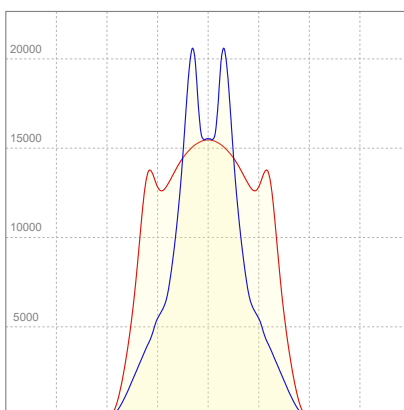
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
92,7°	145°	161,9°	83,0%	55,5%



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	15493lx	3873lx	1721lx	968lx	620lx	275lx	155lx	69lx	39lx	25lx	17lx	10lx	6lx
Footcand.	1439fcd	360fcd	160fcd	90fcd	58fcd	26fcd	14fcd	6fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	2,1m	4,2m	6,3m	8,4m	10,5m	15,7m	20,9m	31,4m	41,9m	52,4m	62,8m	83,8m	104,7m
Beam wid.	6,9ft	13,8ft	20,5ft	27,4ft	34,4ft	51,5ft	68,7ft	103,1ft	137,4ft	171,8ft	206,1ft	274,9ft	343,6ft

LINEAR DISTRIBUTION DIAGRAM

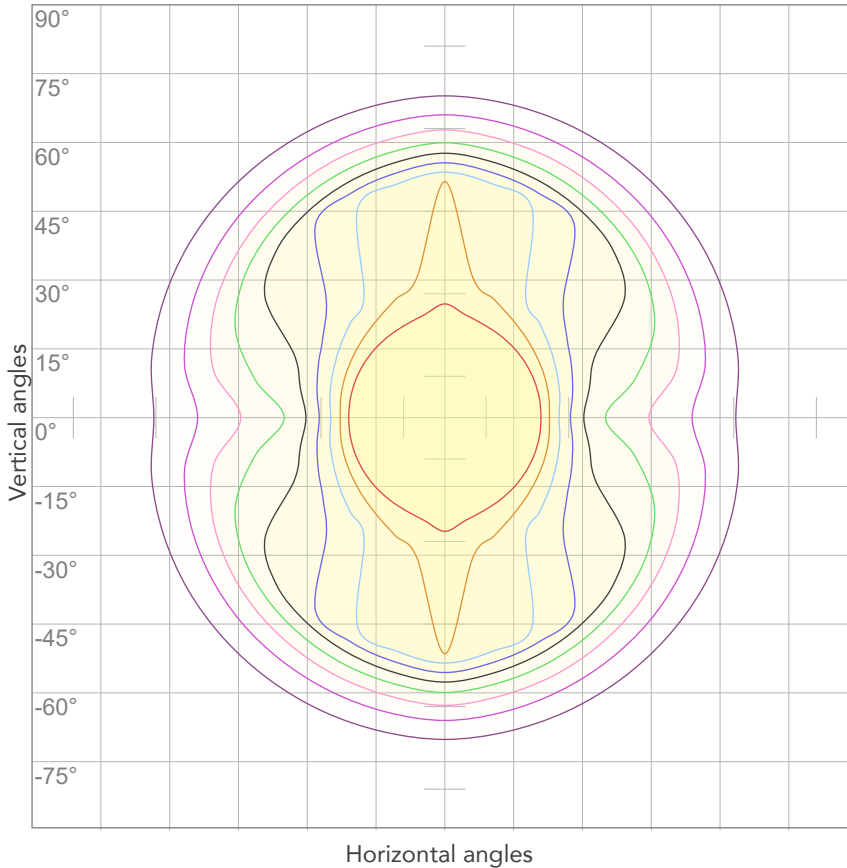


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	1,96A	436,4W	0,99	93lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



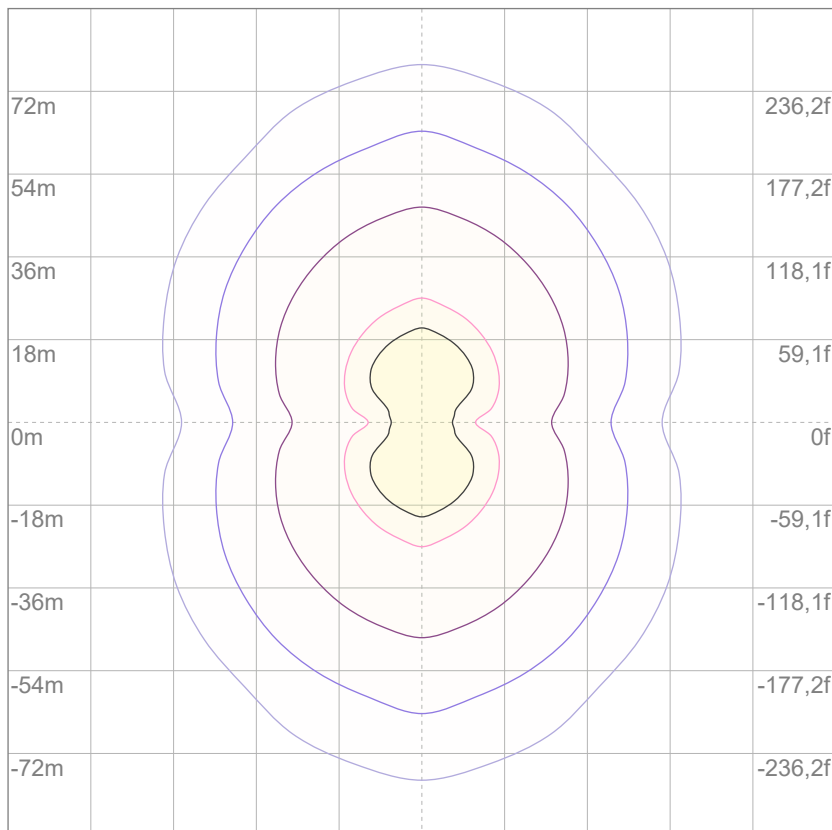
10%	1549 cd
20%	3099 cd
30%	4648 cd
40%	6197 cd
50%	7747 cd
60%	9296 cd
70%	10845 cd
80%	12394 cd

Conditions:

Number of c-planes: 4

Candela at center: 15493 cd

ISO LUX DIAGRAM



3%	4,65 lx
5%	7,75 lx
10%	15,5 lx
30%	46,5 lx
50%	77,5 lx

Conditions:

Number of c-planes: 4

Lux at center: 155 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:

45170 lm

Peak candela output:

28799 cd

Light quality:

CRI: 81,2

Color temperature:

5583 K

PRODUCT NAME:

SUNBLASTFLX

MEASUREMENT CONDITIONS:

Beam angle:

Original Optic

Target:

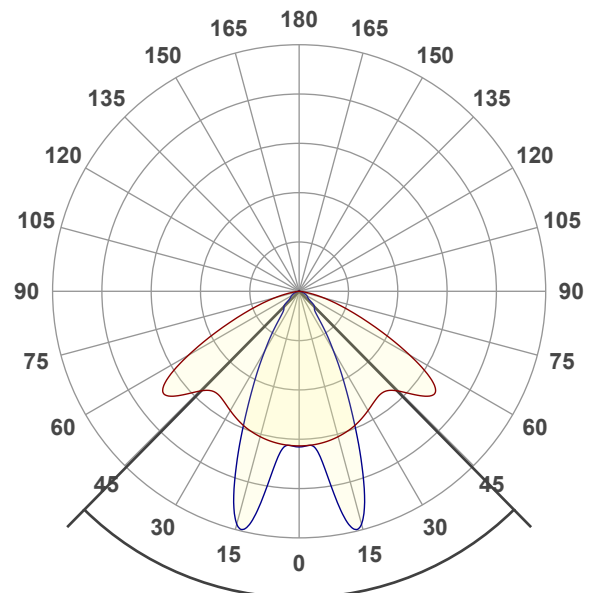
Beam - HQ

Operator:

Salvatore Giglio

Date and time:

14/10/2024 17:14:41

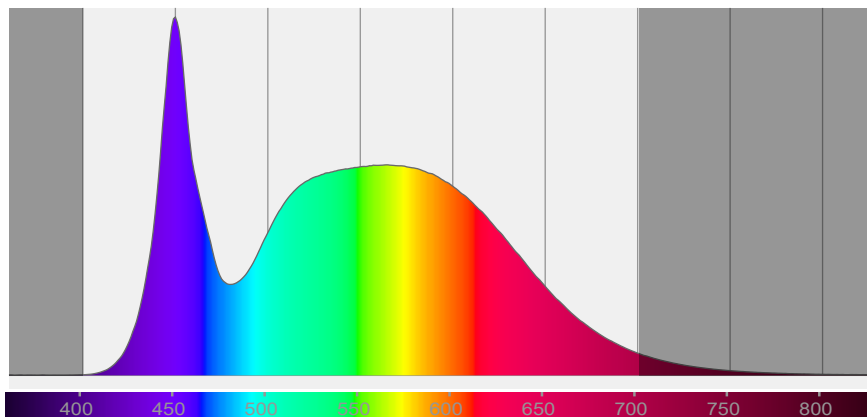


Beam angle 50%: 89,1°

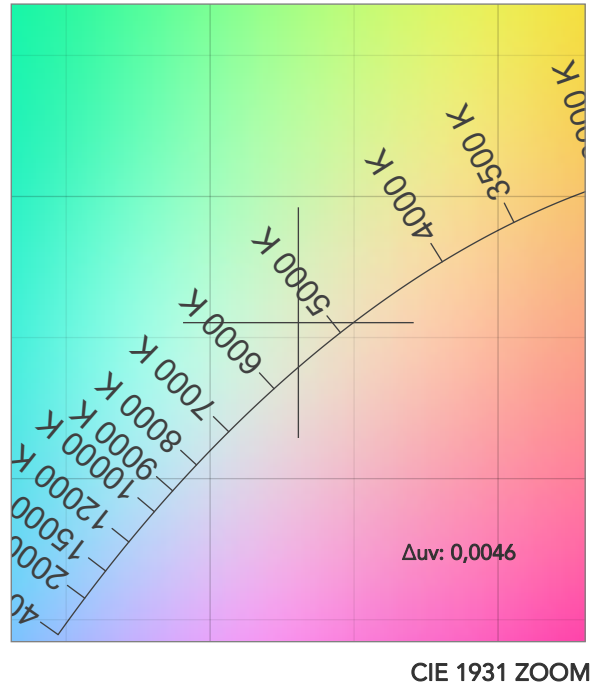
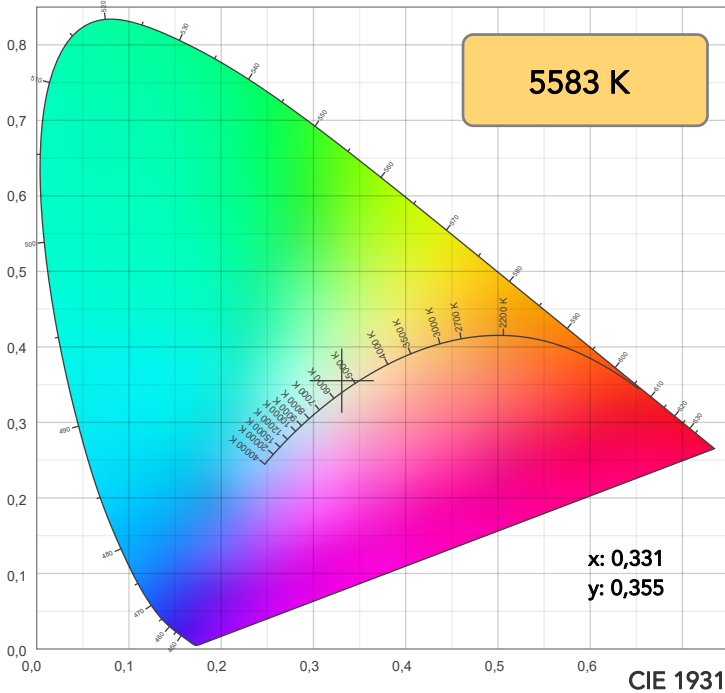
Field angle 10%: 116,8°

Cut off angle 2.5%: 149,5°

Spectra

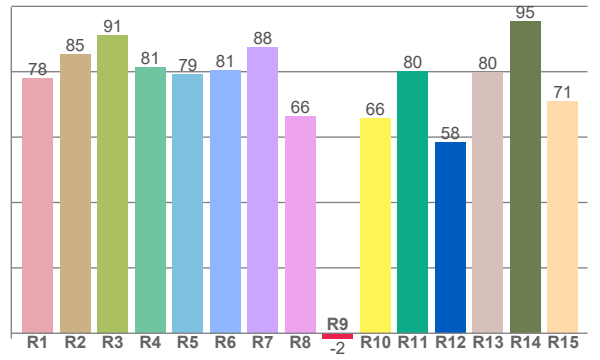
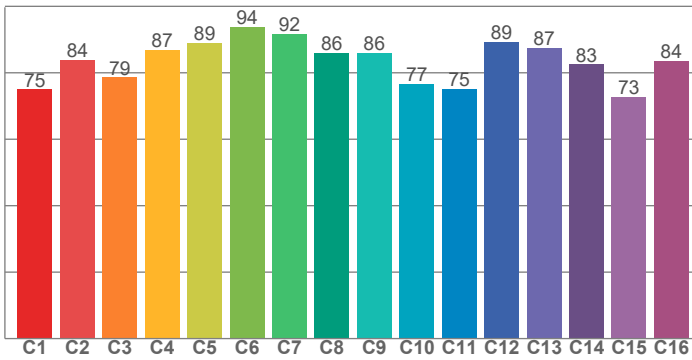


COLOR DETAILS



TM30: 83,5

CRI: 81,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
78,1	85,3	91,2	81,3	79,1	80,5	87,6	66,5	-1,6	65,8	80,2	58,3	79,8	95,4	71,1

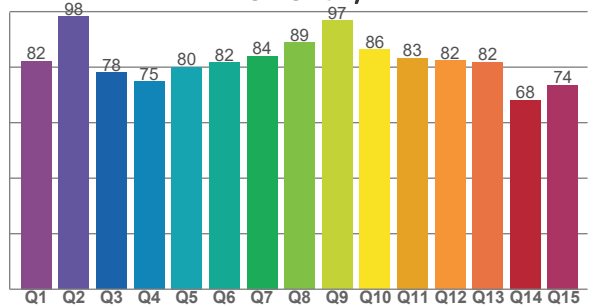
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
75,1	83,9	78,7	86,9	89,0	93,8	91,7	86,0	86,1	76,7	75,2	89,3	87,5	82,6	72,8	83,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
82,3	98,3	78,1	74,8	80,1	81,6	84,0	89,0	96,8	86,4	83,3	82,4	81,9	68,2	73,5

CQS: 81,1



COLOR PARAMETERS

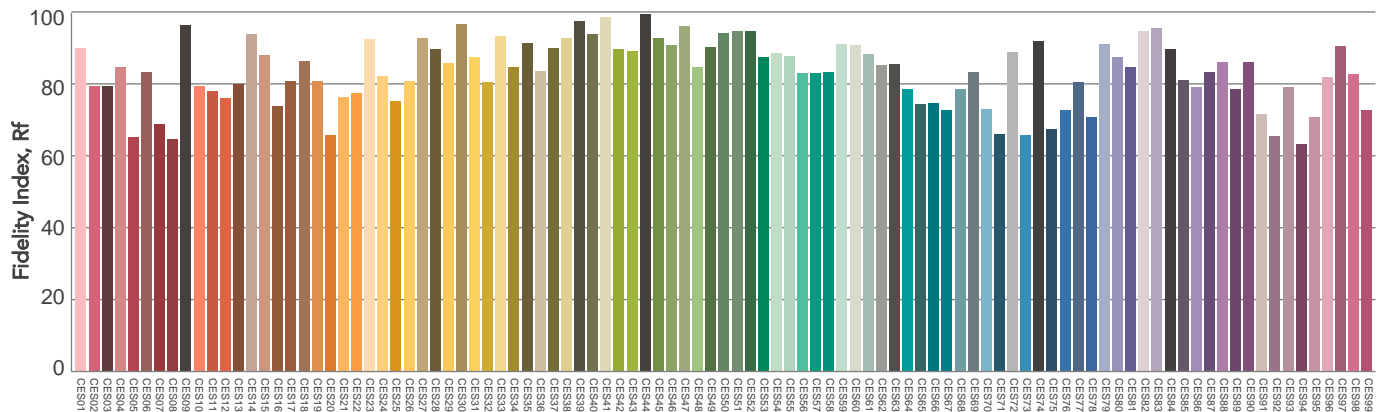
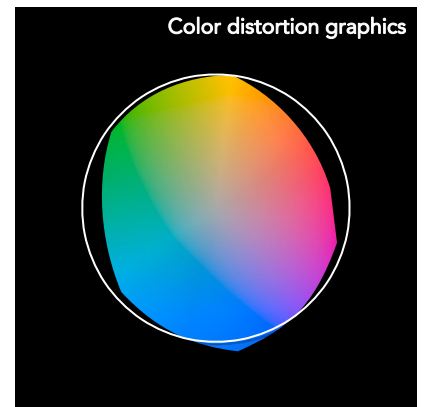
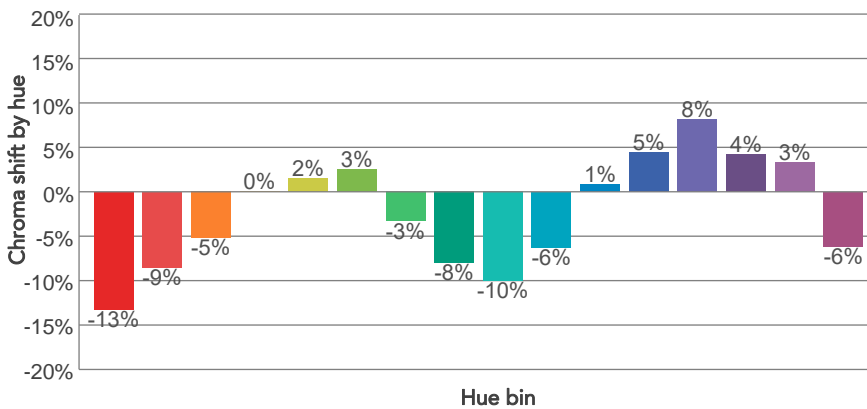
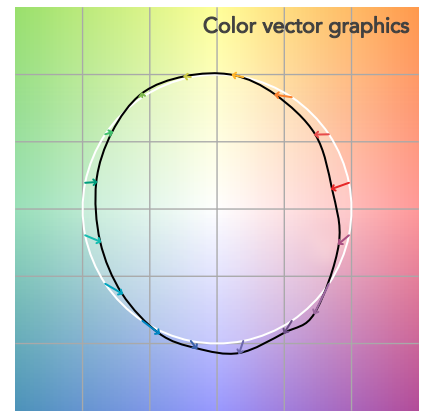
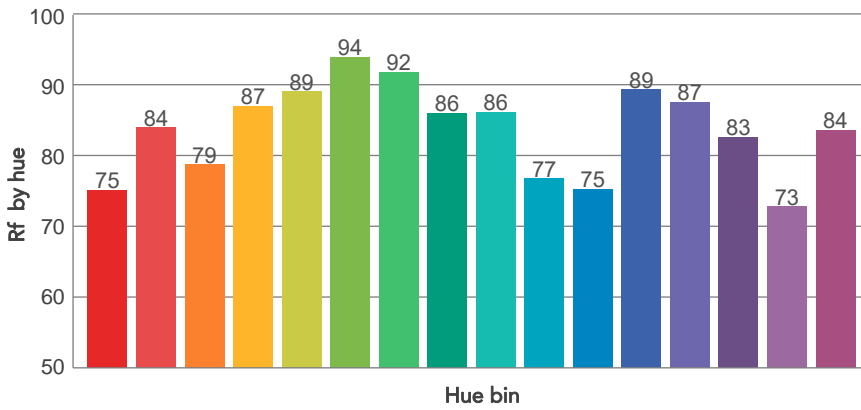
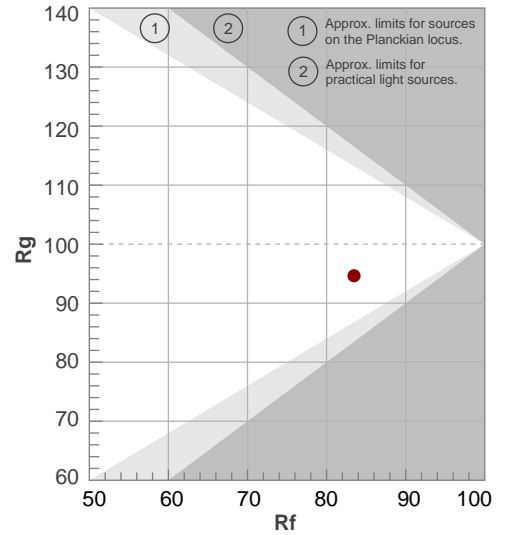
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5583 K	81,2	-1,6	83,5	94,6	81,1	74	0,331	0,355	0,0046

TM30 DETAILS

Rf 83,5
Fidelity index Rf

Rg 94,6
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	75	-13%	-2%
2	84	-9%	5%
3	79	-5%	11%
4	87	0%	8%
5	89	2%	4%
6	94	3%	-1%
7	92	-3%	-4%
8	86	-8%	-2%
9	86	-10%	7%
10	77	-6%	13%
11	75	1%	15%
12	89	5%	5%
13	87	8%	-5%
14	83	4%	-9%
15	73	3%	-24%
16	84	-6%	-8%

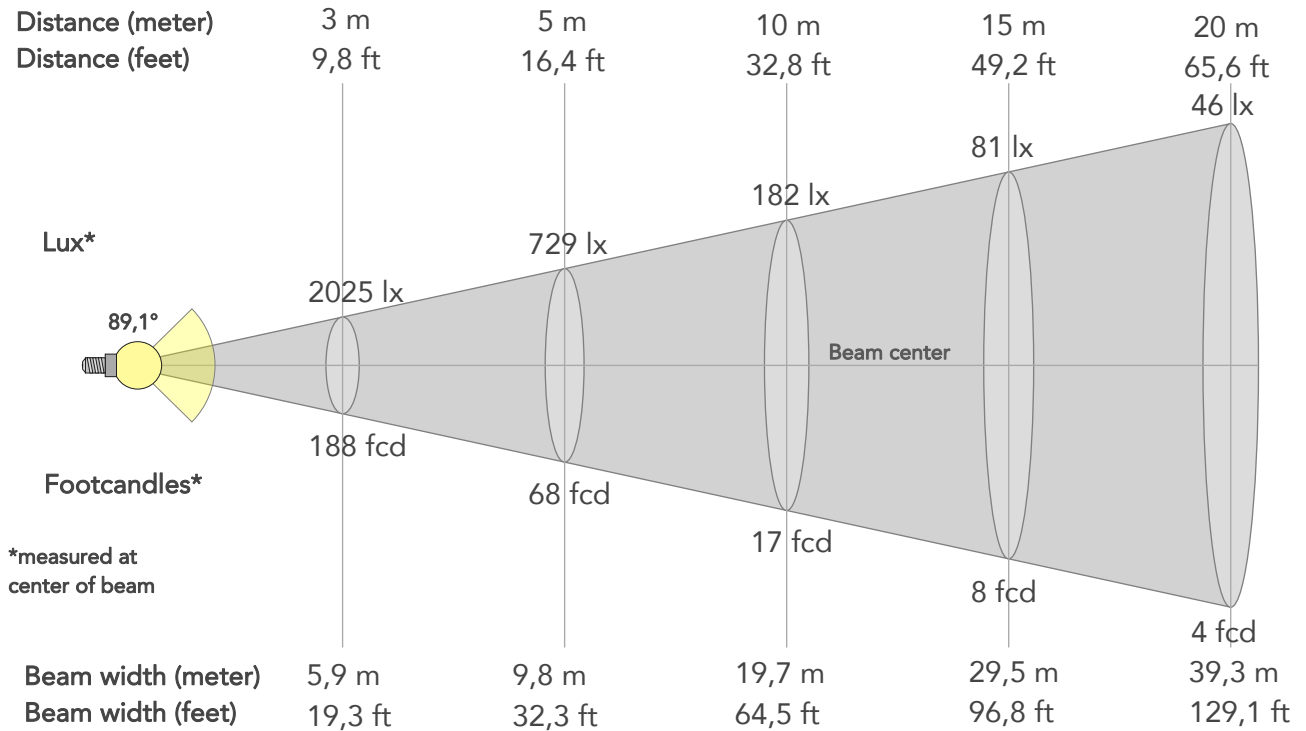


Color Evaluation Sample

BEAM DETAILS



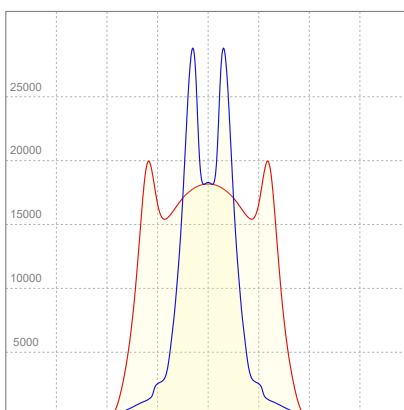
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
89,1°	116,8°	149,5°	83,7%	55,0%



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	18224lx	4556lx	2025lx	1139lx	729lx	324lx	182lx	81lx	46lx	29lx	20lx	11lx	7lx
Footcand.	1693fcd	423fcd	188fcd	106fcd	68fcd	30fcd	17fcd	8fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	2m	3,9m	5,9m	7,9m	9,8m	14,8m	19,7m	29,5m	39,3m	49,2m	59m	78,7m	98,4m
Beam wid.	6,5ft	13ft	19,3ft	25,8ft	32,3ft	48,4ft	64,5ft	96,8ft	129,1ft	161,3ft	193,6ft	258,1ft	322,6ft

LINEAR DISTRIBUTION DIAGRAM

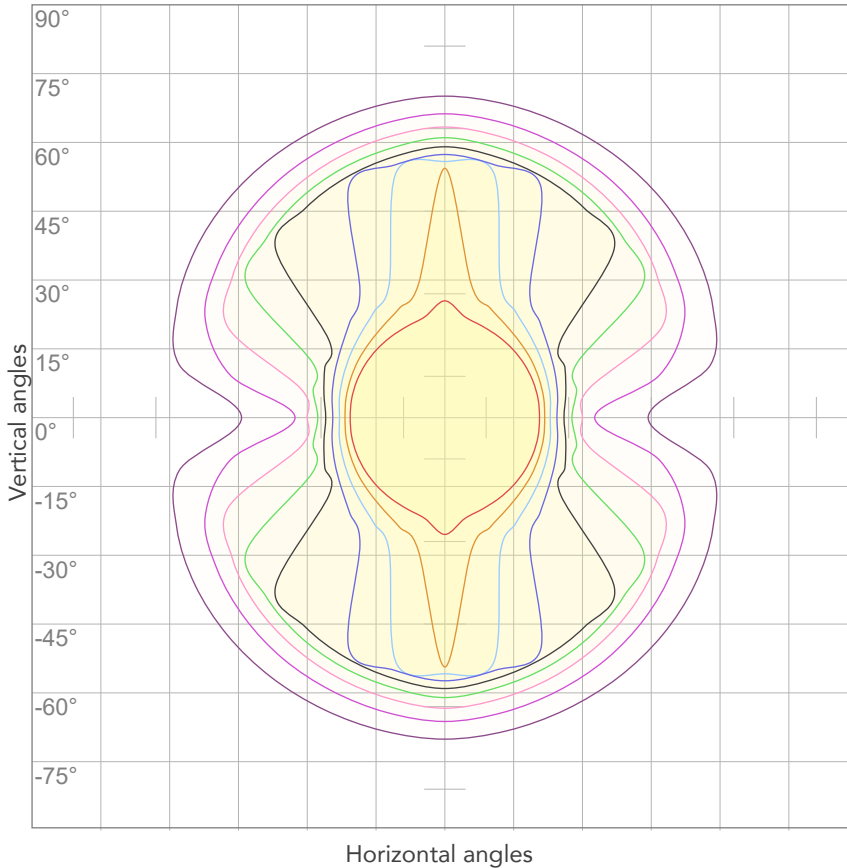


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	1,83A	406,8W	0,99	111lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



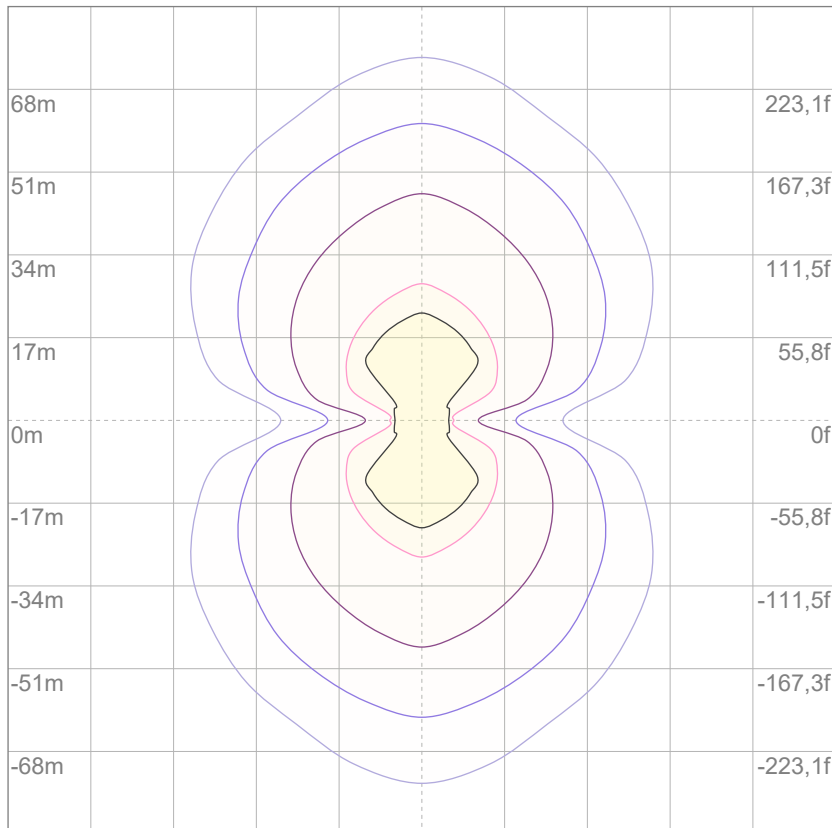
10%	1822 cd
20%	3645 cd
30%	5467 cd
40%	7289 cd
50%	9112 cd
60%	10934 cd
70%	12757 cd
80%	14579 cd

Conditions:

Number of c-planes: 4

Candela at center: 18224 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	5,47 lx
5%	9,11 lx
10%	18,2 lx
30%	54,7 lx
50%	91,1 lx

Conditions:

Number of c-planes: 4

Lux at center: 182 lx

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



Total lumen output:

32586 lm

Peak candela output:

11633 cd

Light quality:

CRI: 88,3

Color temperature:

6991 K

PRODUCT NAME:

SUNBLASTFLX

MEASUREMENT CONDITIONS:

Beam angle:

Original Optic

Target:

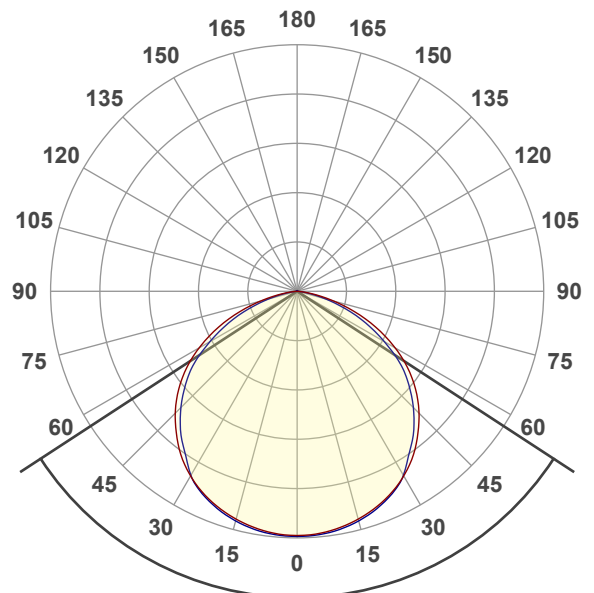
Full On RGBW (Plate) - HQ

Operator:

Salvatore Giglio

Date and time:

14/10/2024 16:46:43

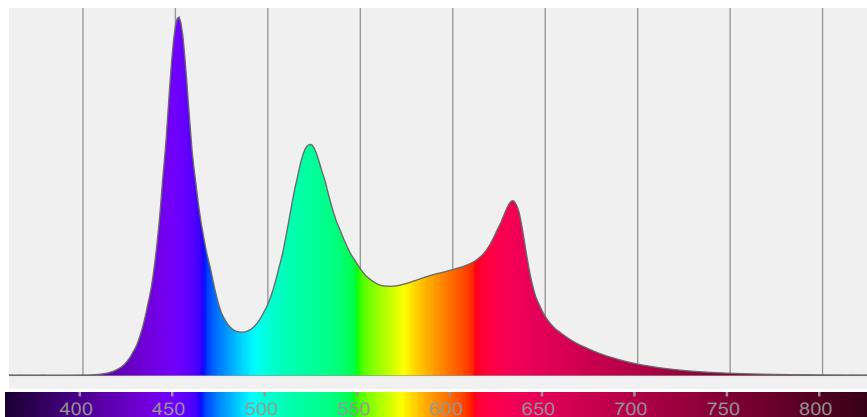


Beam angle 50%: 113,7°

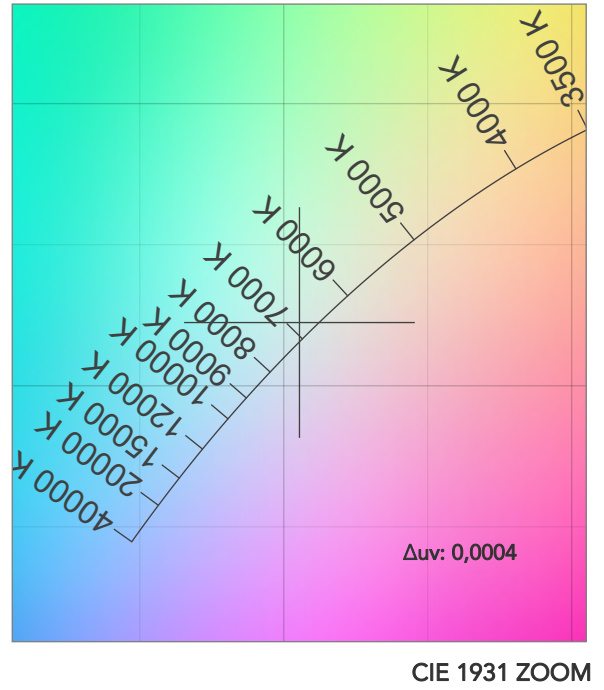
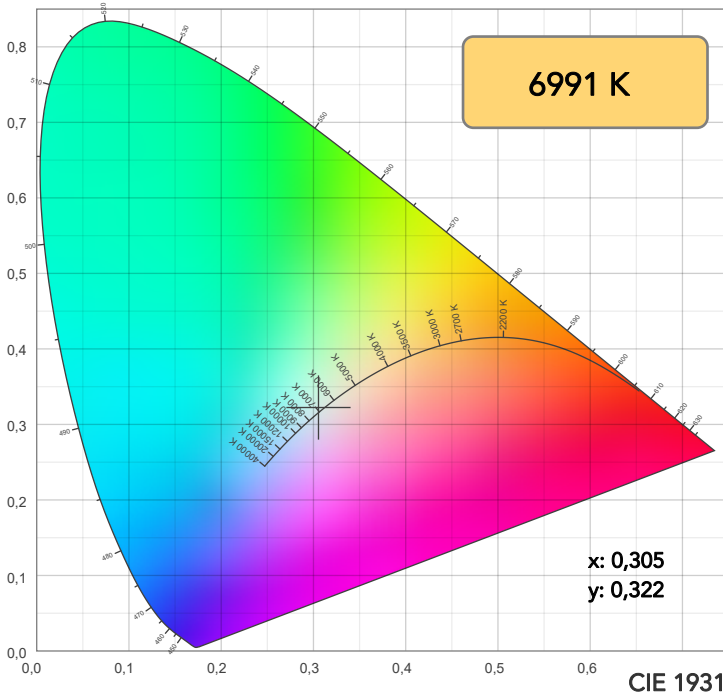
Field angle 10%: 154,3°

Cut off angle 2.5%: 166,1°

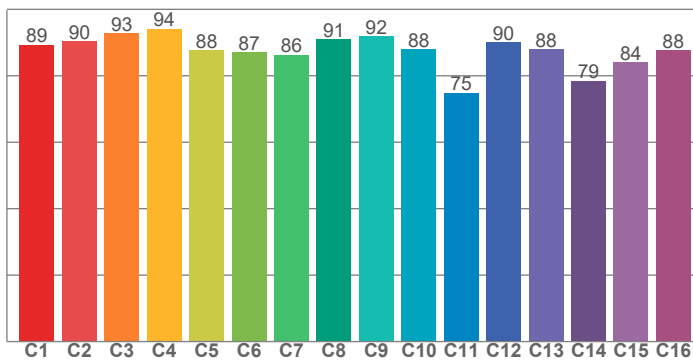
Spectra



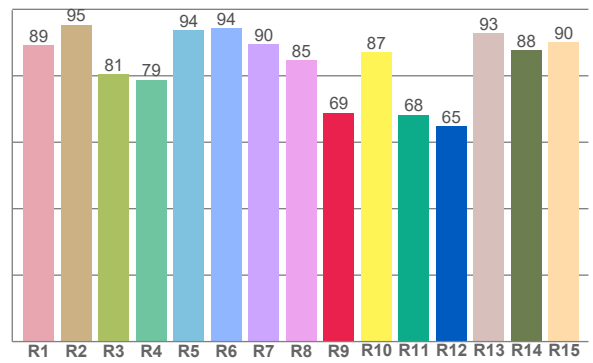
COLOR DETAILS



TM30: 88,3



CRI: 88,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
89,2	95,4	80,5	78,8	93,7	94,4	89,5	84,8	68,9	87,2	68,3	64,8	92,8	87,7	90,0

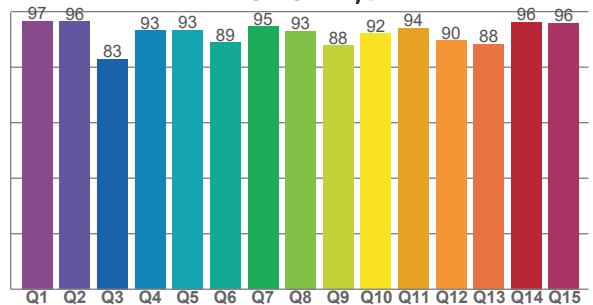
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,3	90,4	92,8	94,2	87,7	87,0	86,3	91,1	91,9	87,9	74,9	90,0	88,0	78,5	84,1	87,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,7	96,4	83,0	93,2	93,3	88,8	94,6	93,0	87,8	92,2	94,1	89,5	88,4	96,2	96,0

CQS: 91,3



COLOR PARAMETERS

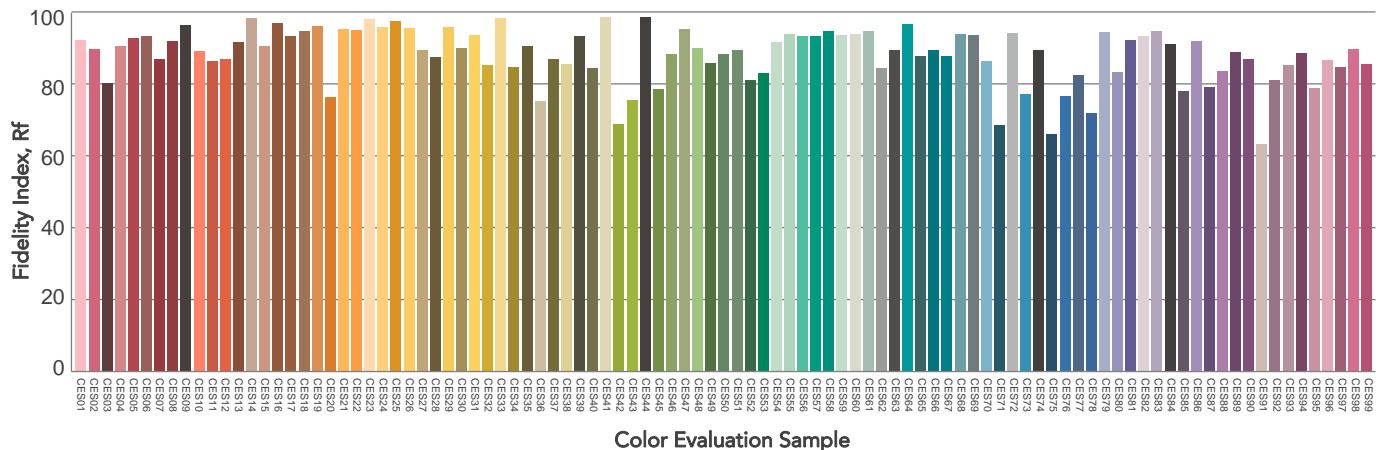
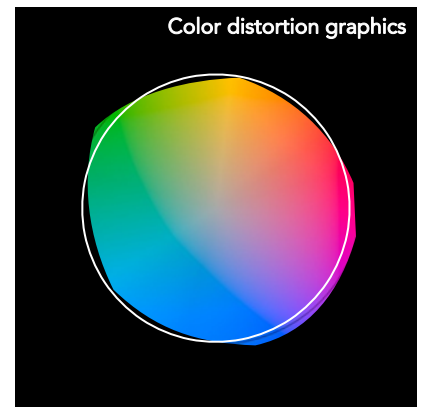
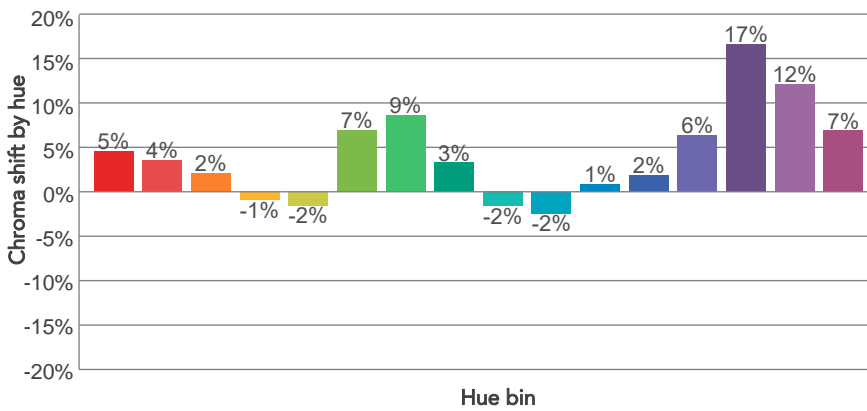
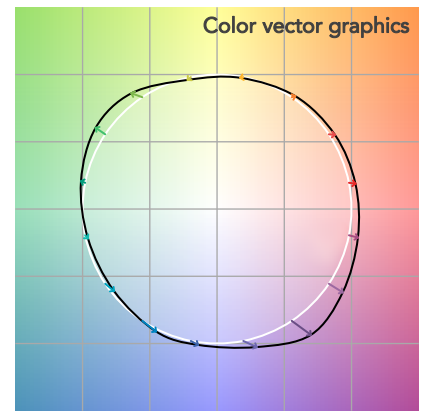
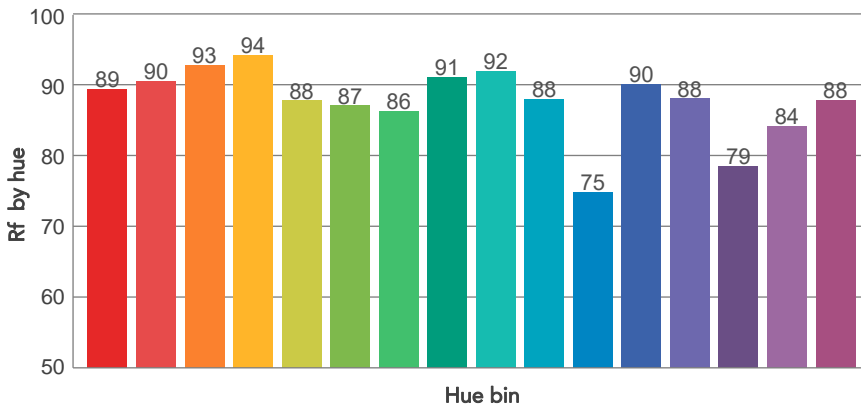
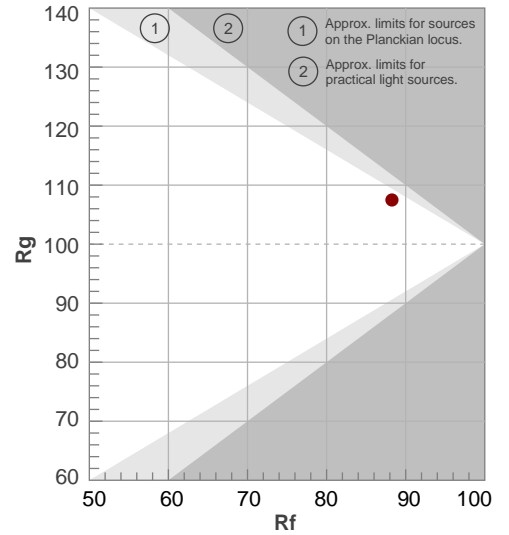
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6991 K	88,3	68,9	88,3	107,5	91,3	85	0,305	0,322	0,0004

TM30 DETAILS

Rf 88,3
Fidelity index Rf

Rg 107,5
Gammut index

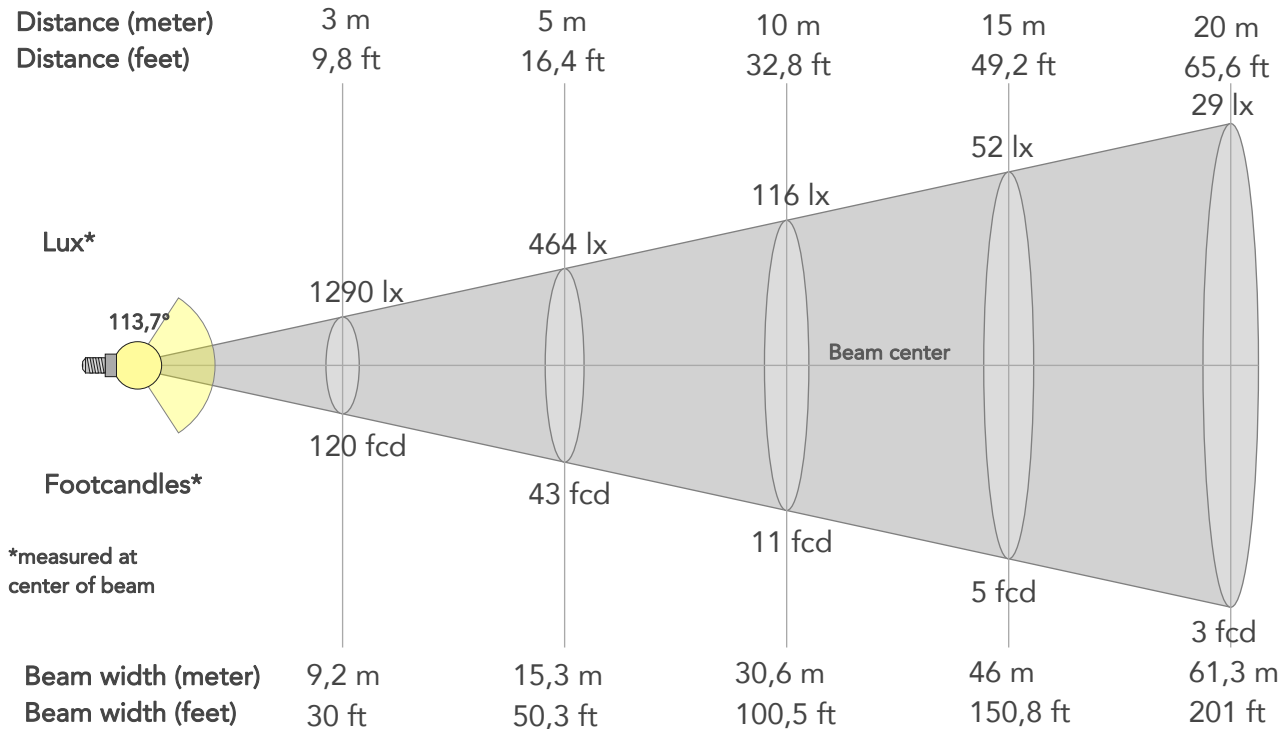
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	5%	-2%
2	90	4%	-3%
3	93	2%	-2%
4	94	-1%	2%
5	88	-2%	3%
6	87	7%	5%
7	86	9%	0%
8	91	3%	-1%
9	92	-2%	3%
10	88	-2%	8%
11	75	1%	13%
12	90	2%	6%
13	88	6%	9%
14	79	17%	6%
15	84	12%	0%
16	88	7%	0%



BEAM DETAILS



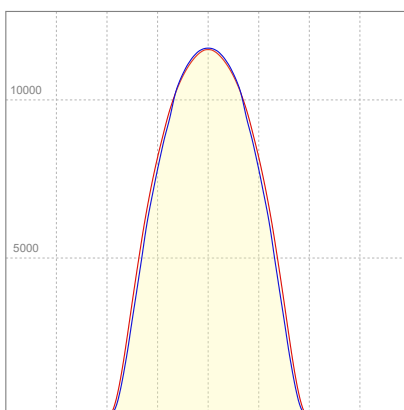
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
113,7°	154,3°	166,1°	82,1%	55,8%



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	11612lx	2903lx	1290lx	726lx	464lx	206lx	116lx	52lx	29lx	19lx	13lx	7lx	5lx
Footcand.	1079fcd	270fcd	120fcd	67fcd	43fcd	19fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	3,1m	6,1m	9,2m	12,3m	15,3m	23m	30,6m	46m	61,3m	76,6m	91,9m	122,6m	153,2m
Beam wid.	10,1ft	20,2ft	30ft	40,1ft	50,3ft	75,4ft	100,5ft	150,8ft	201ft	251,3ft	301,5ft	402ft	502,5ft

LINEAR DISTRIBUTION DIAGRAM

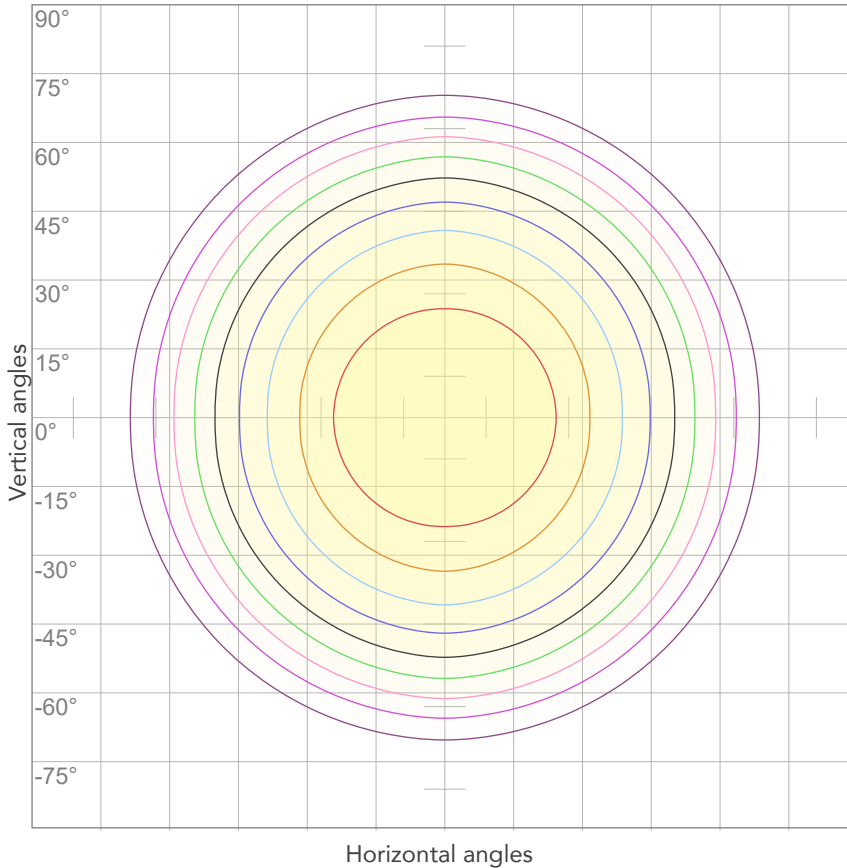


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	1,91A	425,7W	0,99	77lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



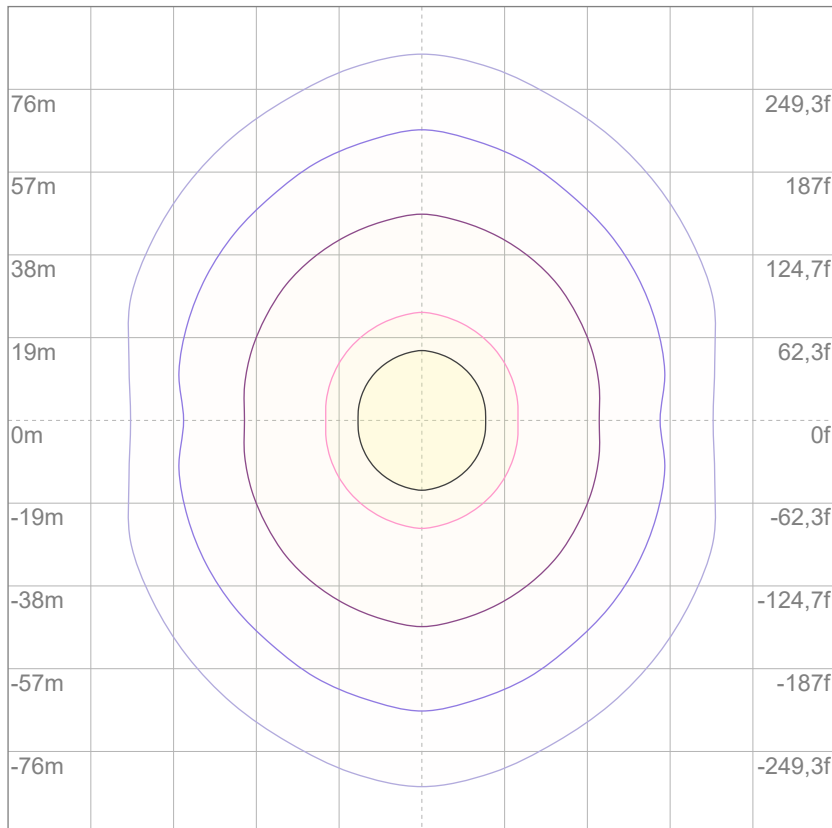
10%	1161 cd
20%	2322 cd
30%	3484 cd
40%	4645 cd
50%	5806 cd
60%	6967 cd
70%	8128 cd
80%	9289 cd

Conditions:

Number of c-planes: 4

Candela at center: 11612 cd

ISO LUX DIAGRAM



3%	3,48 lx
5%	5,81 lx
10%	11,6 lx
30%	34,8 lx
50%	58,1 lx

Conditions:

Number of c-planes: 4

Lux at center: 116 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:

13865 lm

Peak candela output:

4734 cd



PRODUCT NAME:

SUNBLASTFLX

MEASUREMENT CONDITIONS:

Beam angle:

Original Optic

Target:

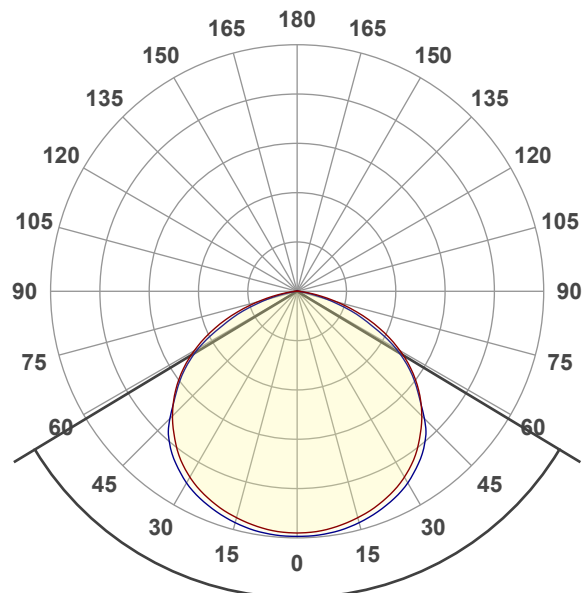
Red - HQ

Operator:

Salvatore Giglio

Date and time:

14/10/2024 16:06:43

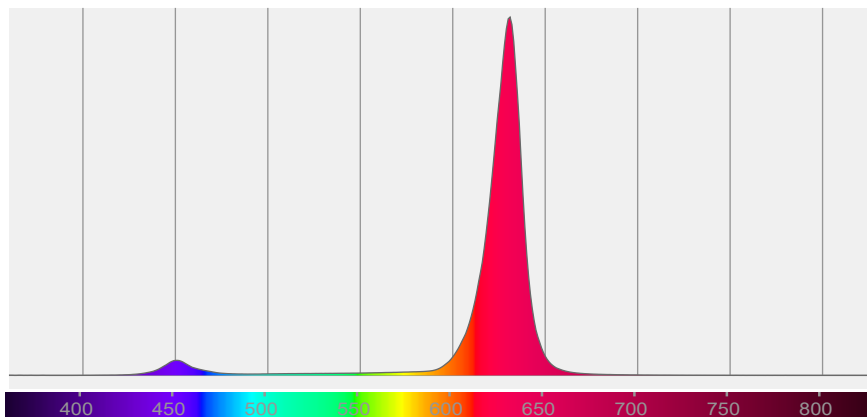


Beam angle 50%: 117,8°

Field angle 10%: 155,1°

Cut off angle 2.5%: 165,9°

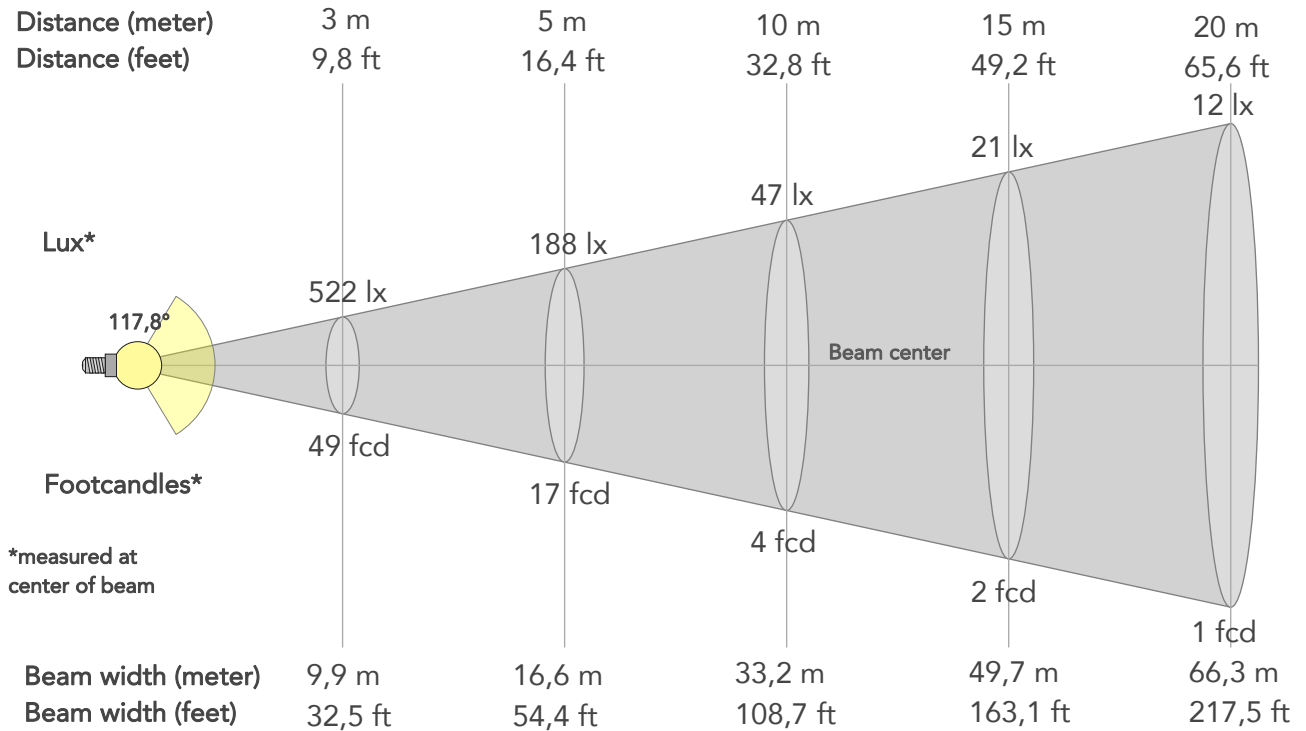
Spectra



BEAM DETAILS



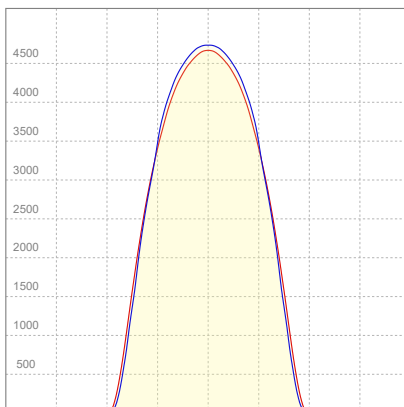
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
117,8°	155,1°	165,9°	81,5%	54,8%



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	4701lx	1175lx	522lx	294lx	188lx	84lx	47lx	21lx	12lx	8lx	5lx	3lx	2lx
Footcand.	437fcd	109fcd	49fcd	27fcd	17fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	3,3m	6,6m	9,9m	13,3m	16,6m	24,9m	33,2m	49,7m	66,3m	82,9m	99,5m	132,6m	165,8m
Beam wid.	10,9ft	21,9ft	32,5ft	43,4ft	54,4ft	81,6ft	108,7ft	163,1ft	217,5ft	271,9ft	326,2ft	435ft	543,7ft

LINEAR DISTRIBUTION DIAGRAM

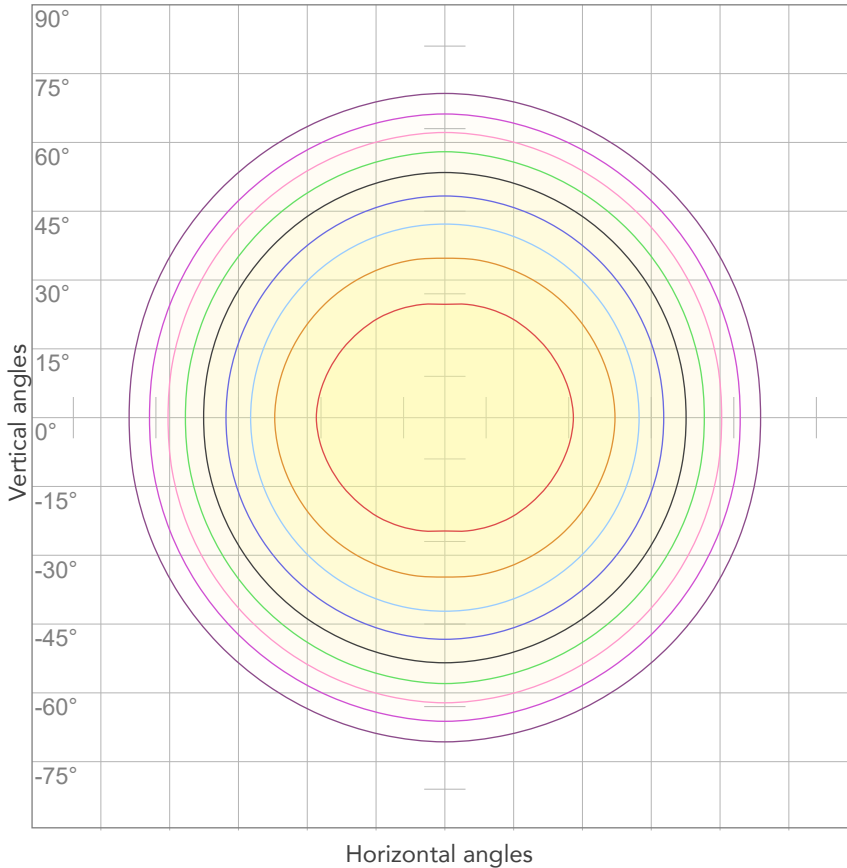


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
229V	1,19A	268,4W	0,99	52lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



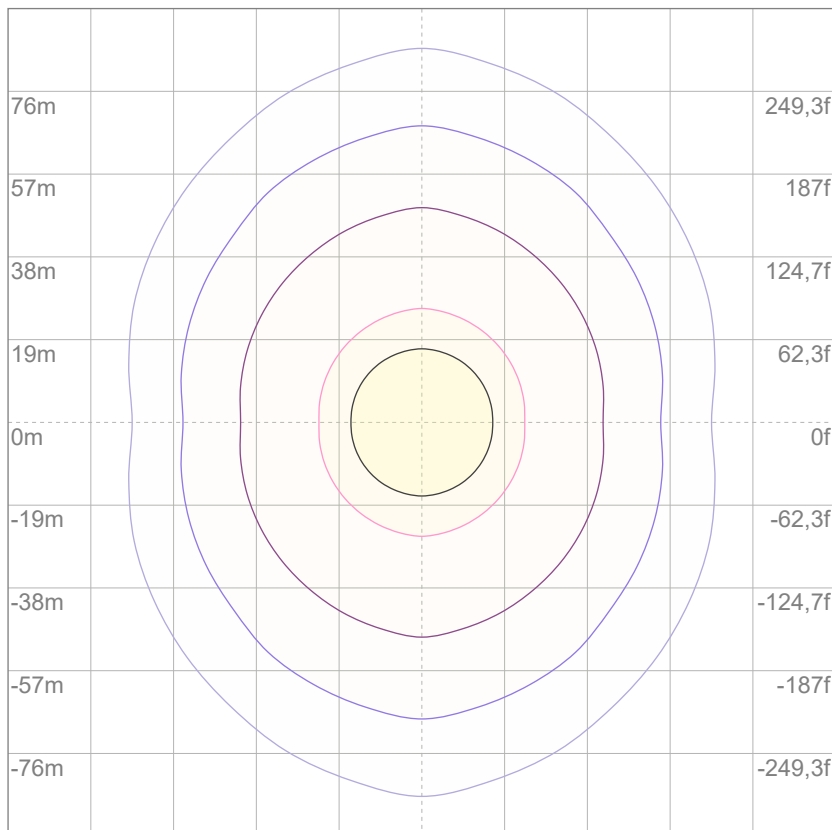
10%	470 cd
20%	940 cd
30%	1410 cd
40%	1880 cd
50%	2350 cd
60%	2820 cd
70%	3291 cd
80%	3761 cd

Conditions:

Number of c-planes: 4

Candela at center: 4701 cd

ISO LUX DIAGRAM



3%	1,41 lx
5%	2,35 lx
10%	4,70 lx
30%	14,1 lx
50%	23,5 lx

Conditions:

Number of c-planes: 4

Lux at center: 47,0 lx

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

Total lumen output:

26685 lm

Peak candela output:

8657 cd



PRODUCT NAME:

SUNBLASTFLX

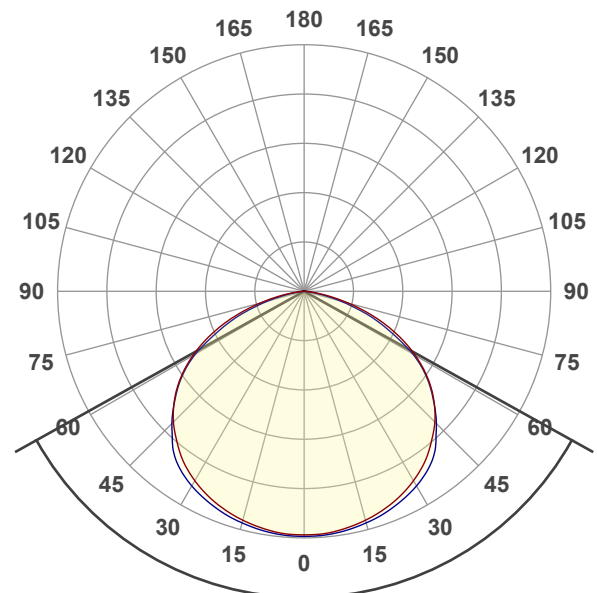
MEASUREMENT CONDITIONS:

Beam angle:
Original Optic

Target:
Green - HQ

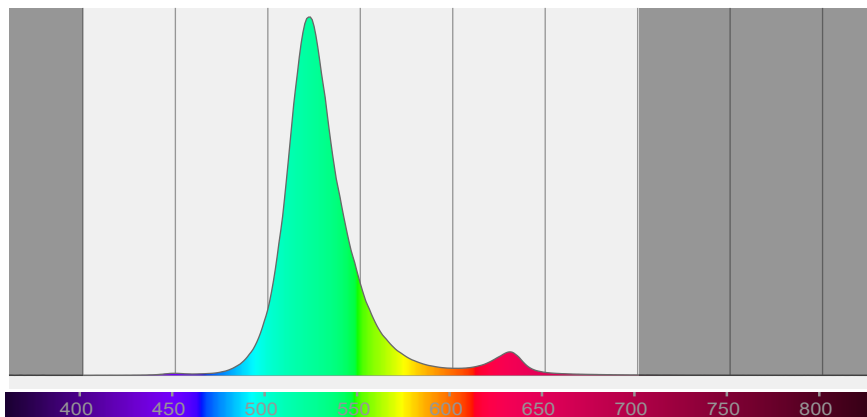
Operator:
Salvatore Giglio

Date and time:
14/10/2024 16:12:30



Beam angle 50%: 121,8°
Field angle 10%: 156,9°
Cut off angle 2.5%: 167,2°

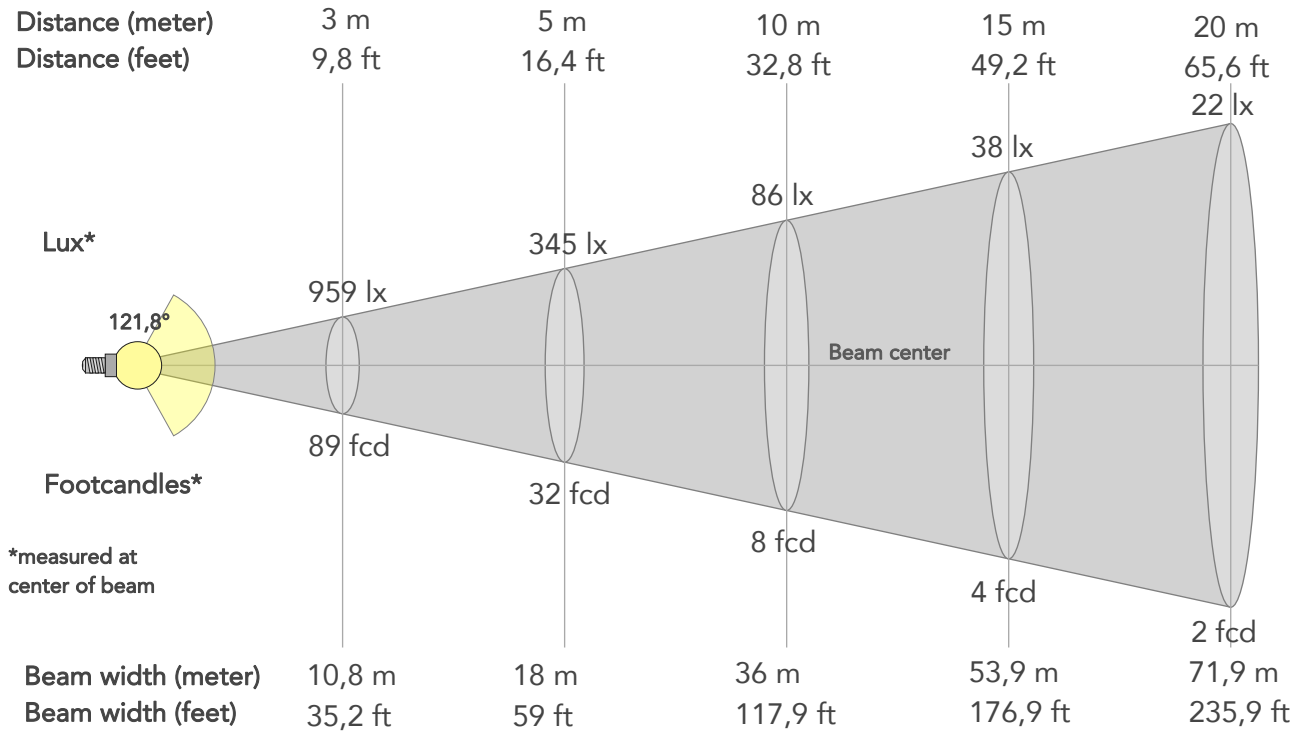
Spectra



BEAM DETAILS



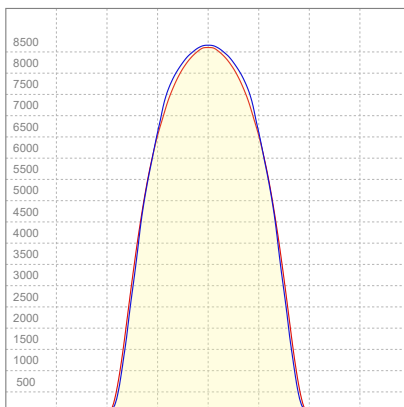
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
121,8°	156,9°	167,2°	80,2%	53,1%



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	8630lx	2157lx	959lx	539lx	345lx	153lx	86lx	38lx	22lx	14lx	10lx	5lx	3lx
Footcand.	802fcd	200fcd	89fcd	50fcd	32fcd	14fcd	8fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	3,6m	7,2m	10,8m	14,4m	18m	27m	36m	53,9m	71,9m	89,9m	107,9m	143,8m	179,8m
Beam wid.	11,9ft	23,7ft	35,2ft	47,1ft	59ft	88,4ft	117,9ft	176,9ft	235,9ft	294,8ft	353,8ft	471,7ft	589,6ft

LINEAR DISTRIBUTION DIAGRAM

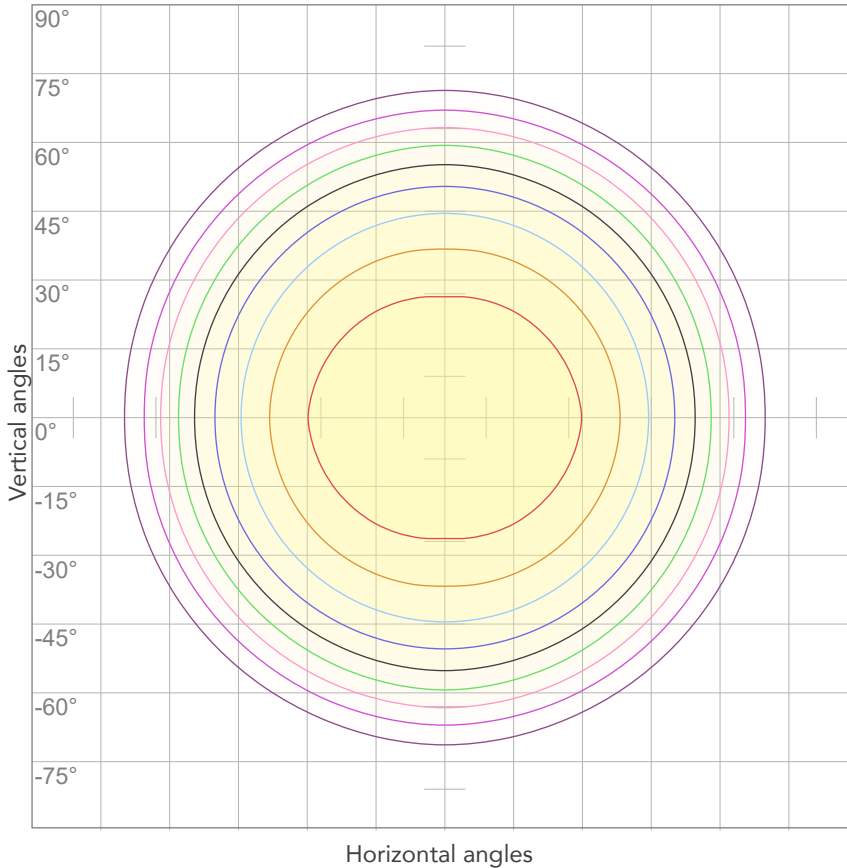


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	1,48A	328,8W	0,99	81lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



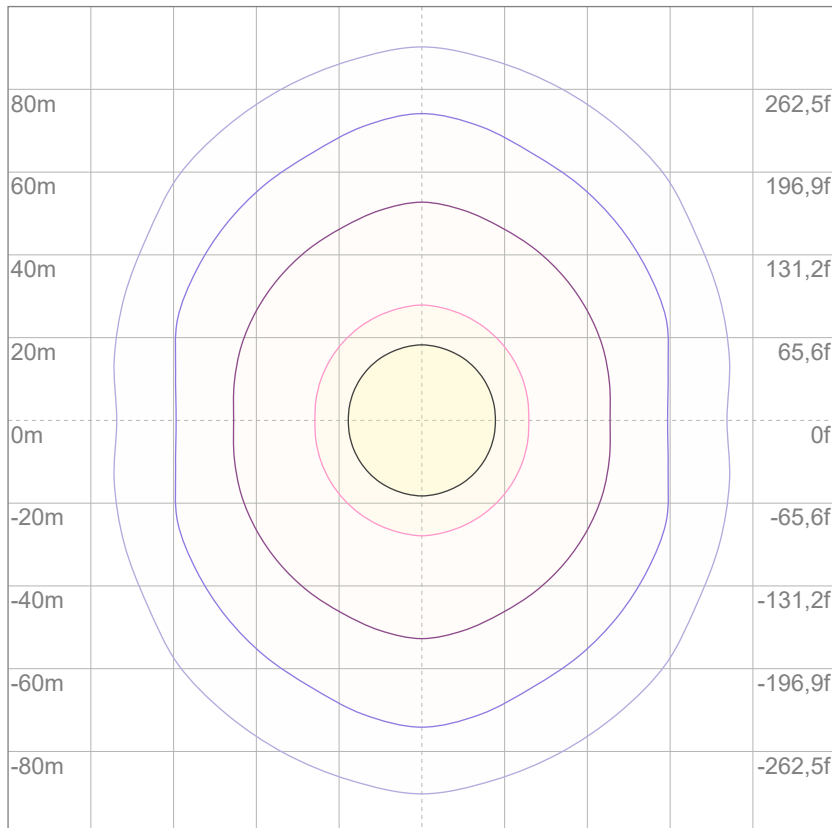
10%	863 cd
20%	1726 cd
30%	2589 cd
40%	3452 cd
50%	4315 cd
60%	5178 cd
70%	6041 cd
80%	6904 cd

Conditions:

Number of c-planes: 4

Candela at center: 8630 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	2,59 lx
5%	4,31 lx
10%	8,63 lx
30%	25,9 lx
50%	43,1 lx

Conditions:

Number of c-planes: 4

Lux at center: 86,3 lx

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

Total lumen output:

9333 lm

Peak candela output:

3208 cd



PRODUCT NAME:

SUNBLASTFLX

MEASUREMENT CONDITIONS:

Beam angle:

Original Optic

Target:

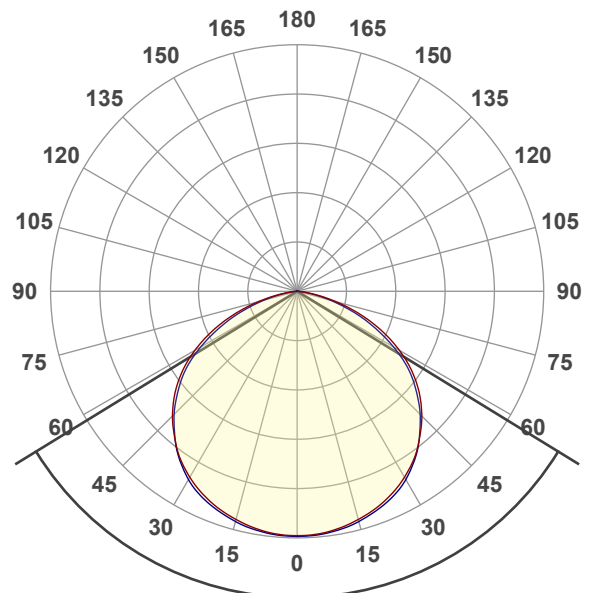
Blue - HQ

Operator:

Salvatore Giglio

Date and time:

14/10/2024 16:14:34

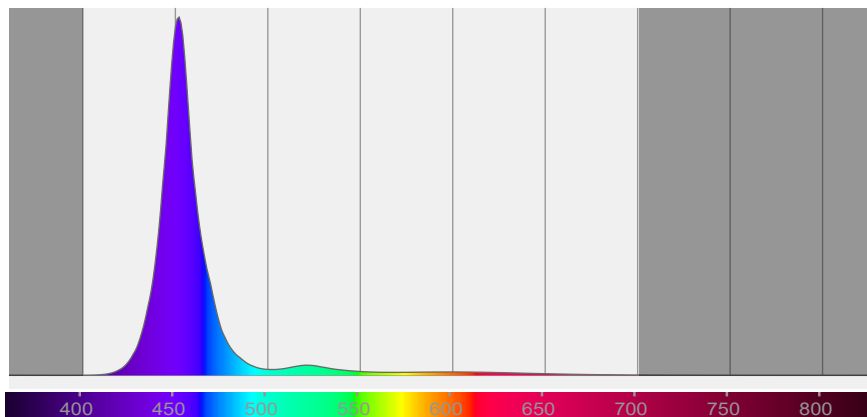


Beam angle 50%: 116,9°

Field angle 10%: 155,7°

Cut off angle 2.5%: 166,6°

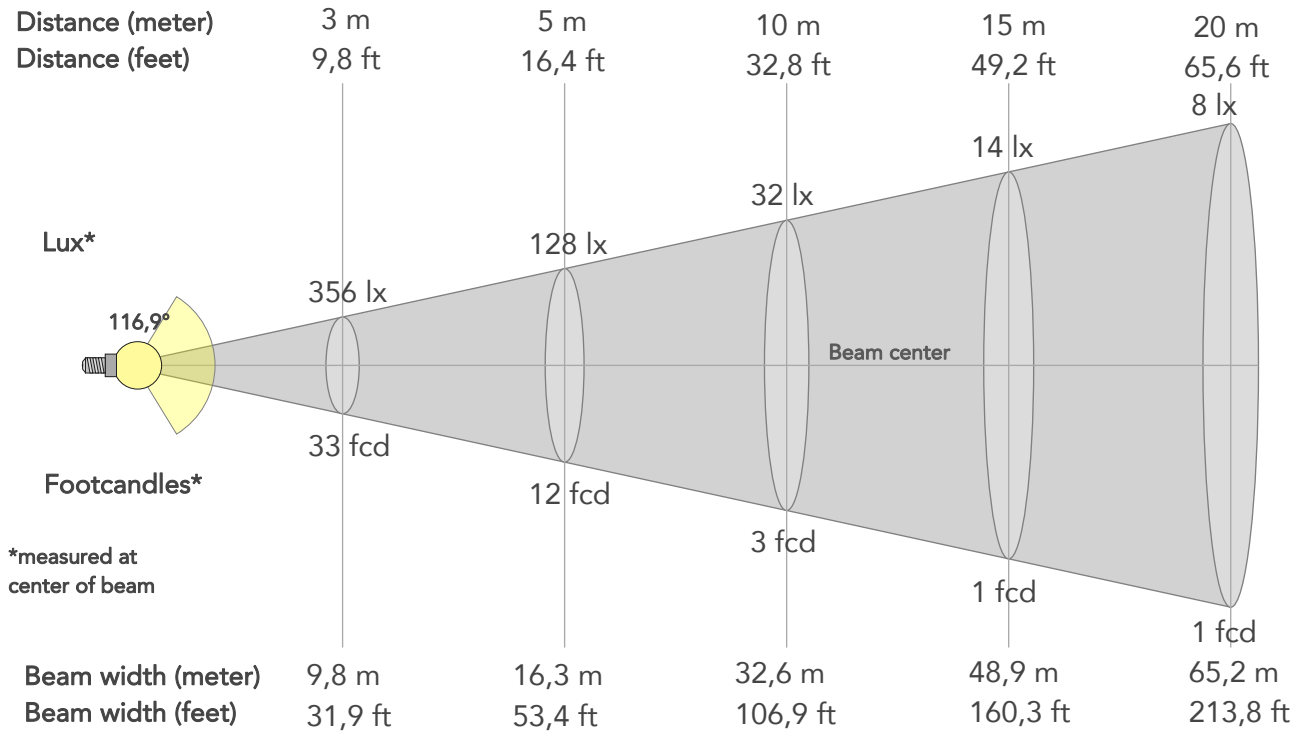
Spectra



BEAM DETAILS



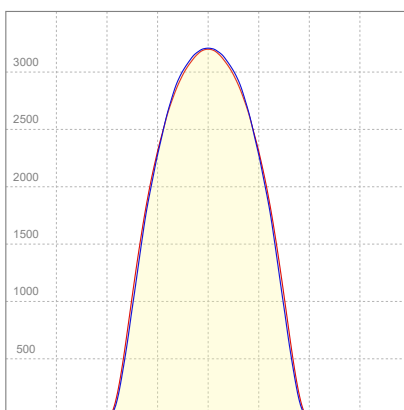
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
116,9°	155,7°	166,6°	81,3%	54,6%



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	3203lx	801lx	356lx	200lx	128lx	57lx	32lx	14lx	8lx	5lx	4lx	2lx	1lx
Footcand.	298fcd	74fcd	33fcd	19fcd	12fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	3,3m	6,5m	9,8m	13m	16,3m	24,4m	32,6m	48,9m	65,2m	81,5m	97,8m	130,3m	162,9m
Beam wid.	10,8ft	21,5ft	31,9ft	42,7ft	53,4ft	80,2ft	106,9ft	160,3ft	213,8ft	267,2ft	320,7ft	427,5ft	534,4ft

LINEAR DISTRIBUTION DIAGRAM

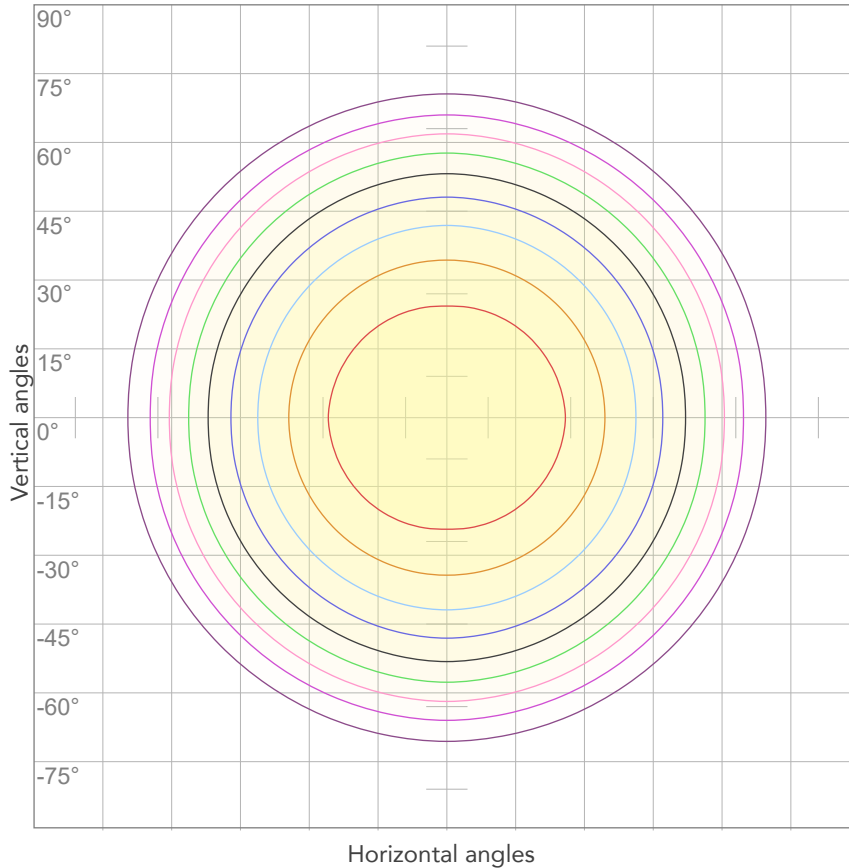


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	1,73A	385,5W	0,99	24lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



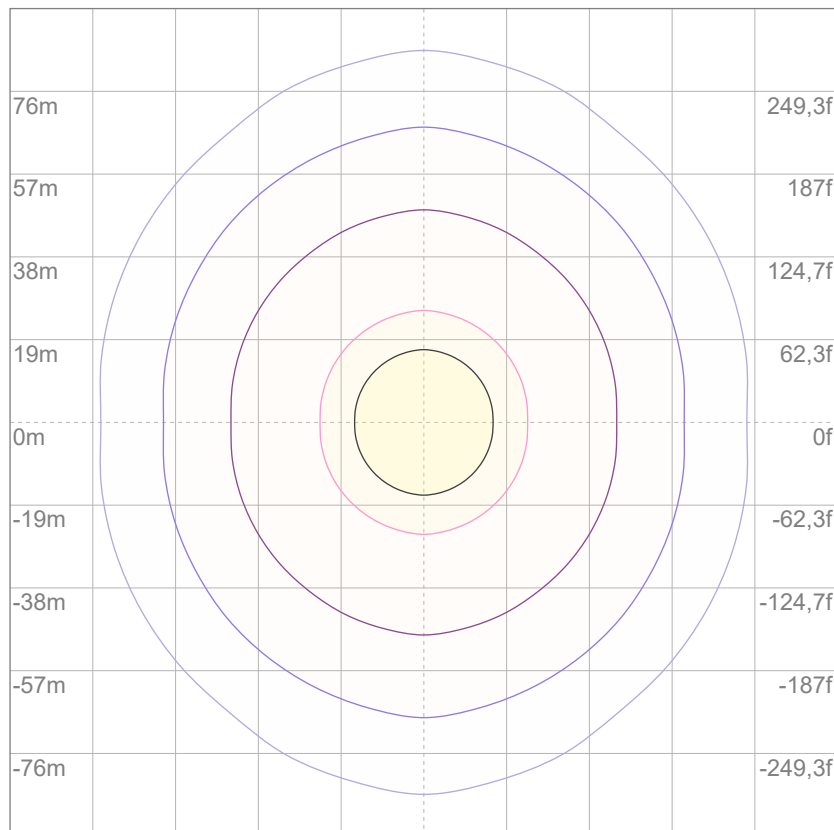
10%	320 cd
20%	641 cd
30%	961 cd
40%	1281 cd
50%	1601 cd
60%	1922 cd
70%	2242 cd
80%	2562 cd

Conditions:

Number of c-planes: 4

Candela at center: 3203 cd

ISO LUX DIAGRAM



3%	0,961 lx
5%	1,60 lx
10%	3,20 lx
30%	9,61 lx
50%	16,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 32,0 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:

33053 lm

Peak candela output:

11824 cd



PRODUCT NAME:

SUNBLASTFLX

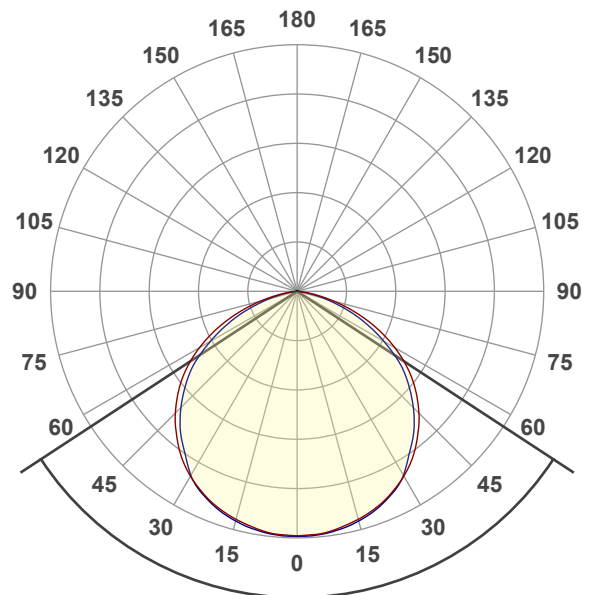
MEASURAMENT CONDITIONS:

Beam angle:
Original Optic

Target:
White - HQ

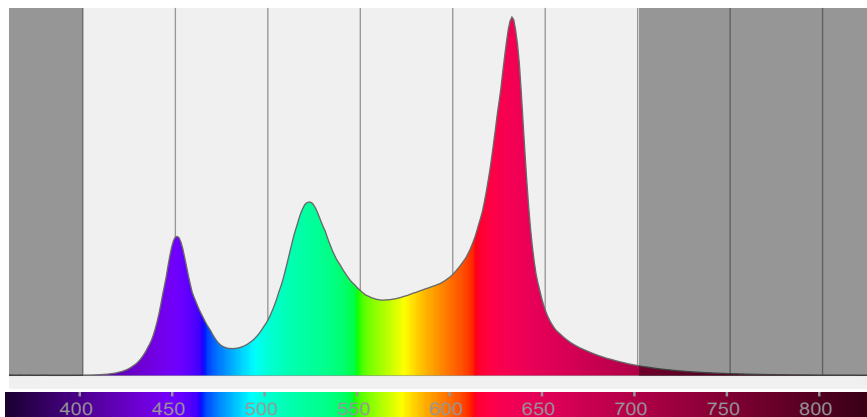
Operator:
Salvatore Giglio

Date and time:
14/10/2024 16:40:53



Beam angle 50%: 113,5°
Field angle 10%: 154,1°
Cut off angle 2.5%: 165,7°

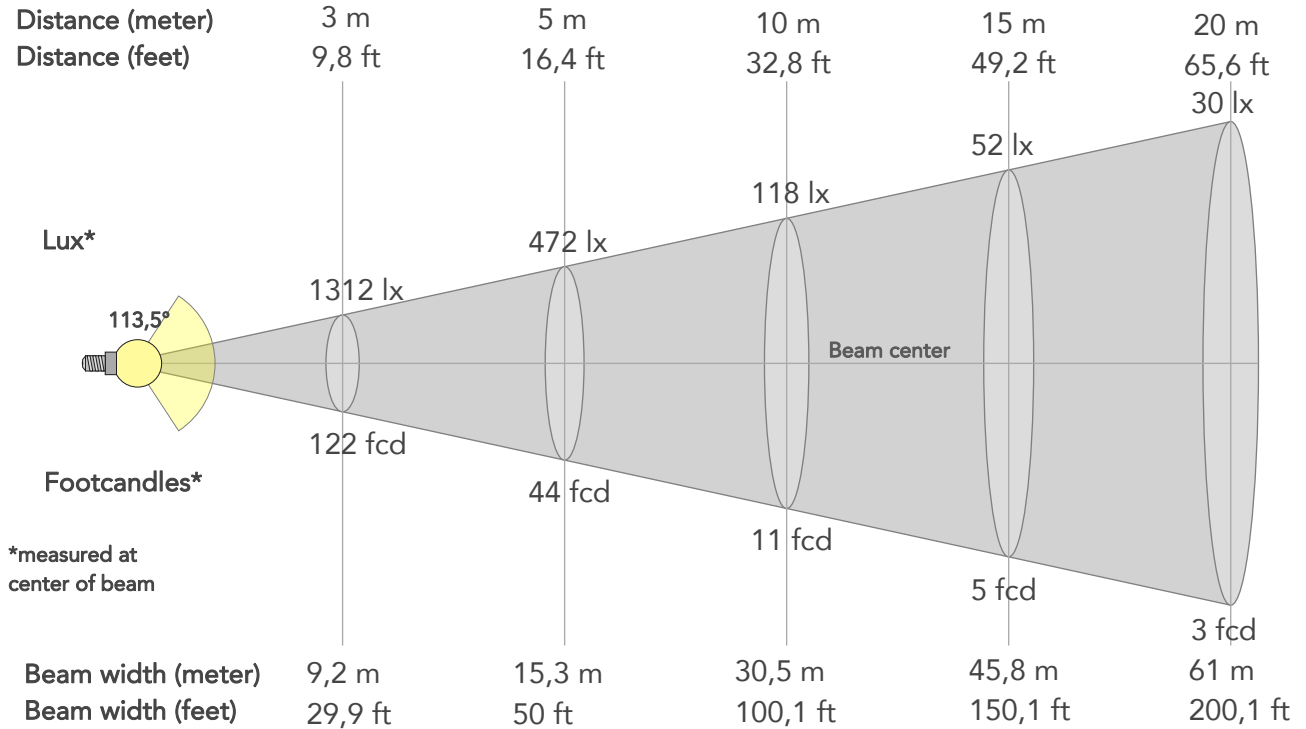
Spectra



BEAM DETAILS



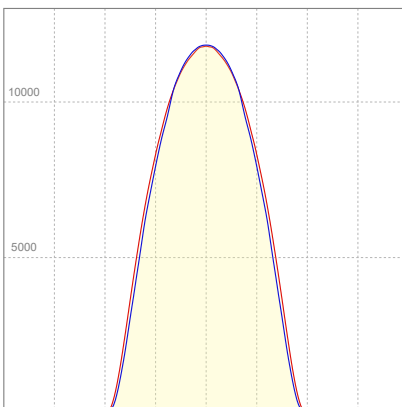
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
113,5°	154,1°	165,7°	82,2%	55,9%



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	11808lx	2952lx	1312lx	738lx	472lx	210lx	118lx	52lx	30lx	19lx	13lx	7lx	5lx
Footcand.	1097fcd	274fcd	122fcd	69fcd	44fcd	20fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	3,1m	6,1m	9,2m	12,2m	15,3m	22,9m	30,5m	45,8m	61m	76,3m	91,5m	122m	152,5m
Beam wid.	10,1ft	20,1ft	29,9ft	40ft	50ft	75,1ft	100,1ft	150,1ft	200,1ft	250,2ft	300,2ft	400,3ft	500,4ft

LINEAR DISTRIBUTION DIAGRAM

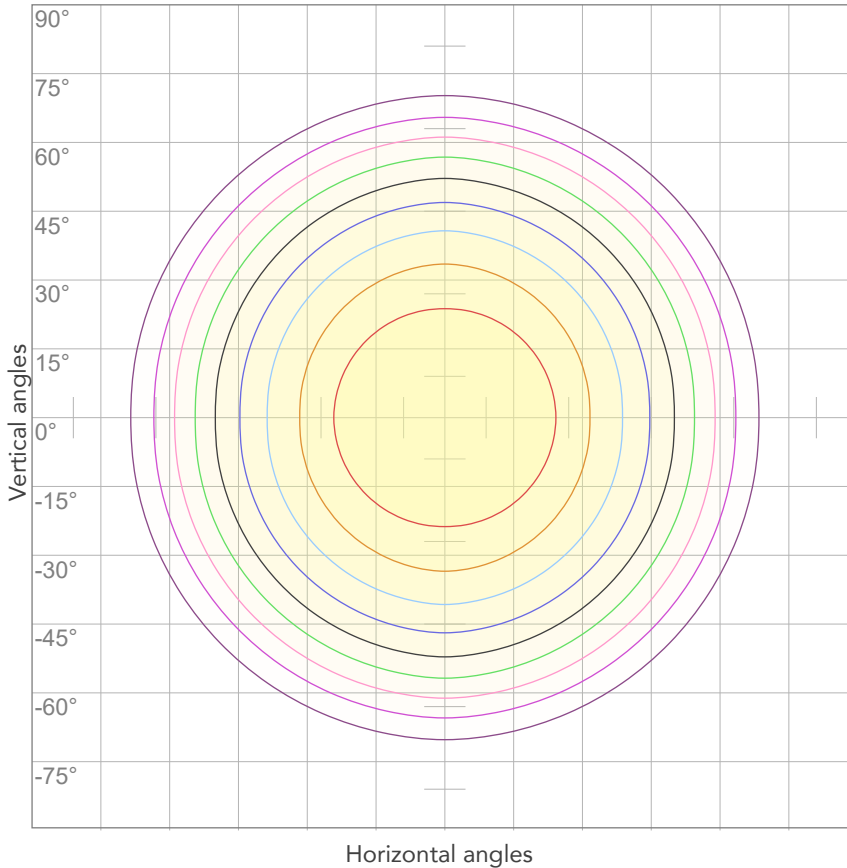


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	1,89A	421,1W	0,99	78lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



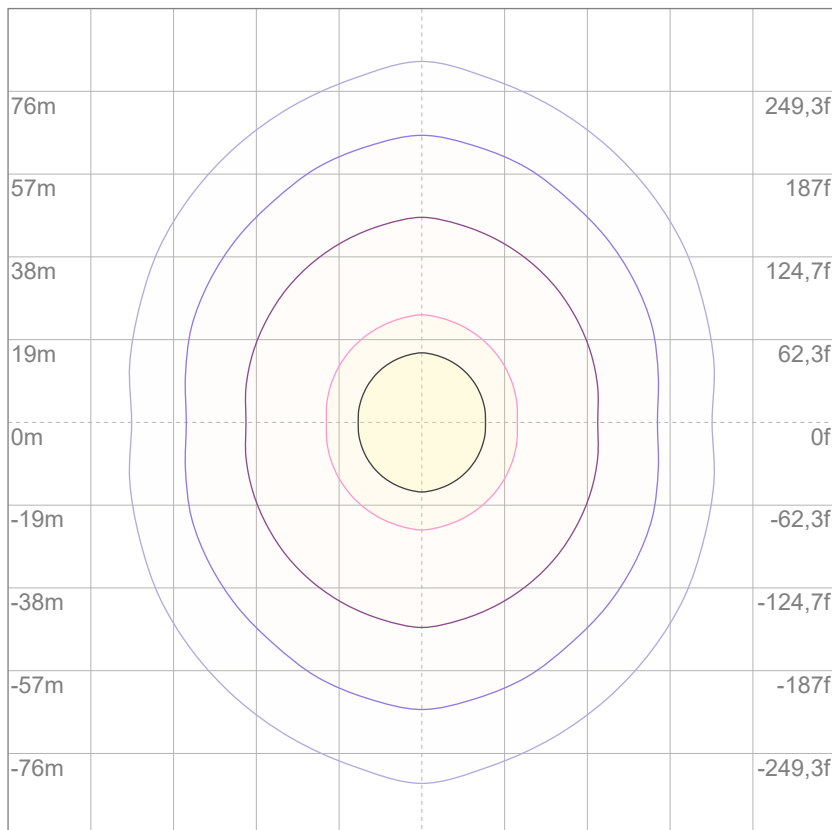
10%	1181 cd
20%	2362 cd
30%	3542 cd
40%	4723 cd
50%	5904 cd
60%	7085 cd
70%	8265 cd
80%	9446 cd

Conditions:

Number of c-planes: 4

Candela at center: 11808 cd

ISO LUX DIAGRAM



3%	3,54 lx
5%	5,90 lx
10%	11,8 lx
30%	35,4 lx
50%	59,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 118 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:

36121 lm

Peak candela output:

13225 cd

Light quality:

CRI: 83,4

Color temperature:

2832 K

PRODUCT NAME:

SUNBLASTFLX

MEASUREMENT CONDITIONS:

Beam angle:

Original Optic

Target:

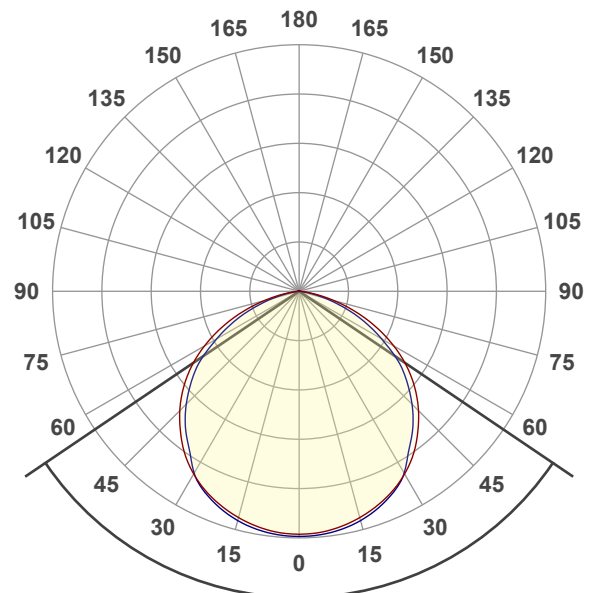
2800K - HQ

Operator:

Salvatore Giglio

Date and time:

15/10/2024 11:29:04

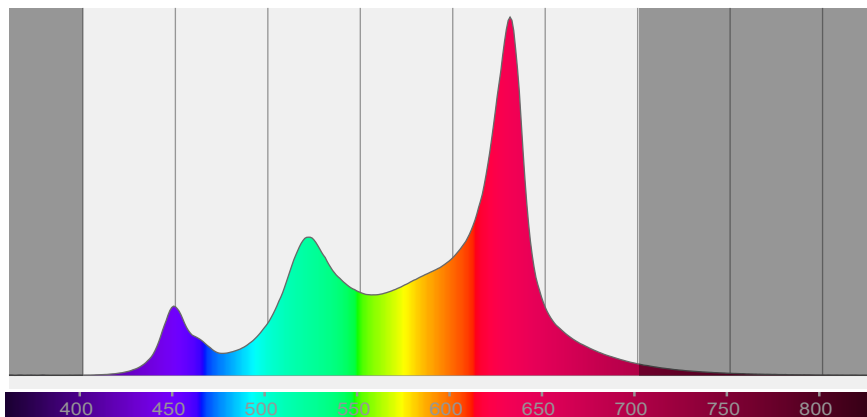


Beam angle 50%: 111,8°

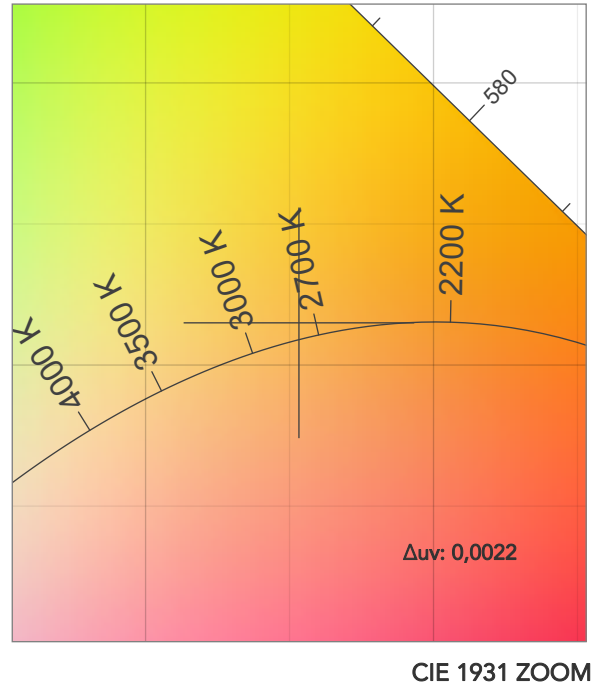
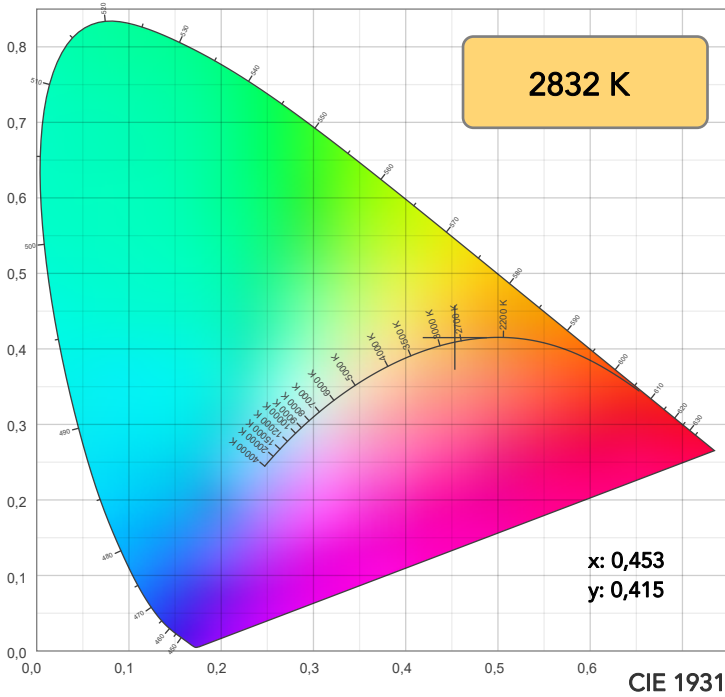
Field angle 10%: 153,5°

Cut off angle 2.5%: 165,6°

Spectra

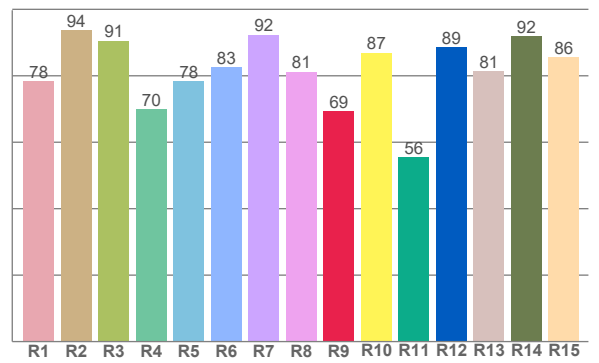
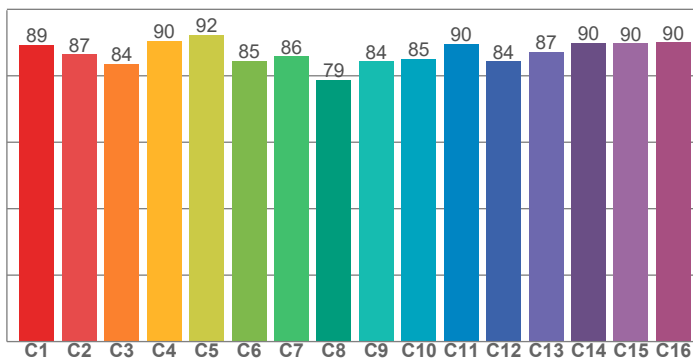


COLOR DETAILS



TM30: 87,5

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
78,4	93,6	90,6	69,9	78,4	82,6	92,4	81,2	69,3	87,0	55,5	88,6	81,4	91,9	85,7

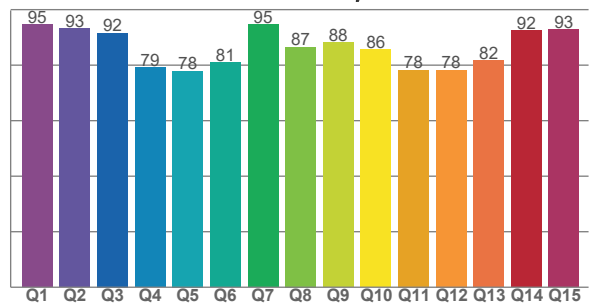
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,3	86,5	83,5	90,5	92,3	84,6	85,8	78,8	84,3	85,1	89,7	84,4	87,3	89,9	89,8	90,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,6	93,2	91,6	79,1	77,9	81,0	94,7	86,6	88,2	85,7	78,3	78,2	81,7	92,5	92,9

CQS: 84,8



COLOR PARAMETERS

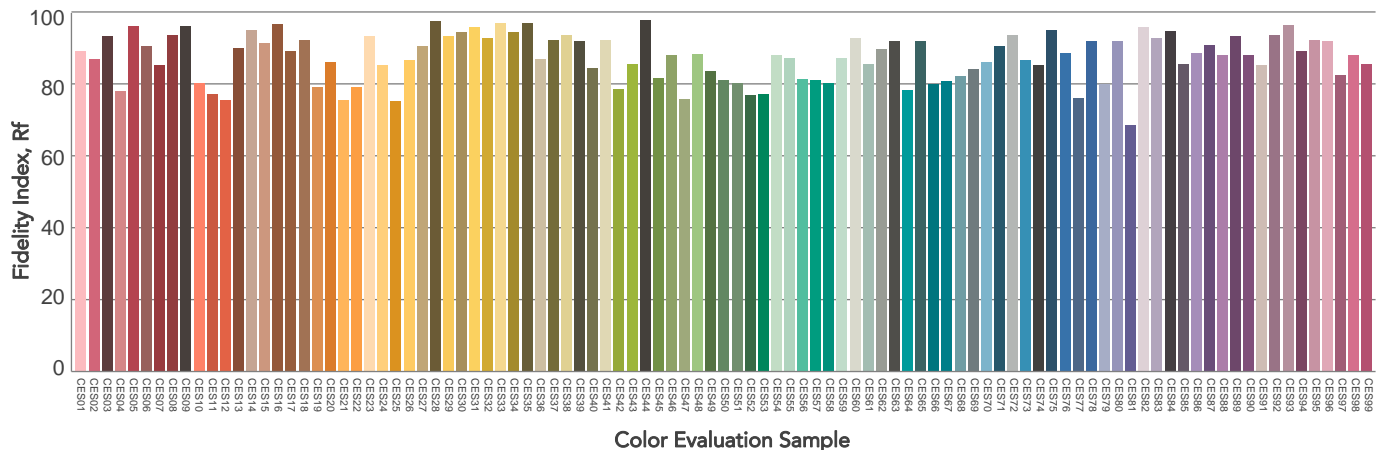
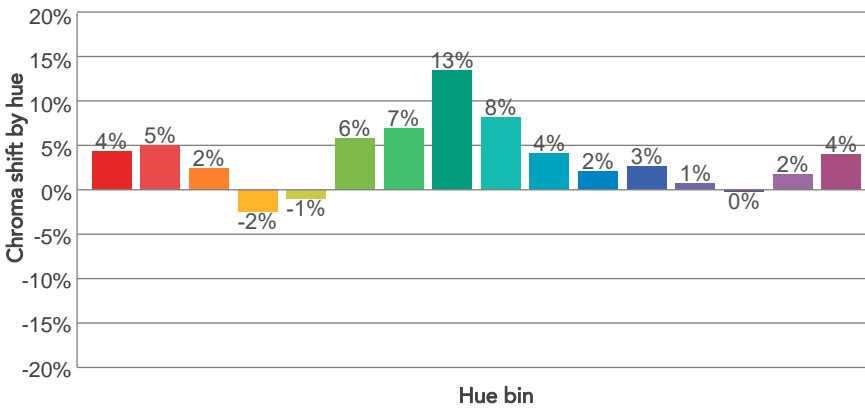
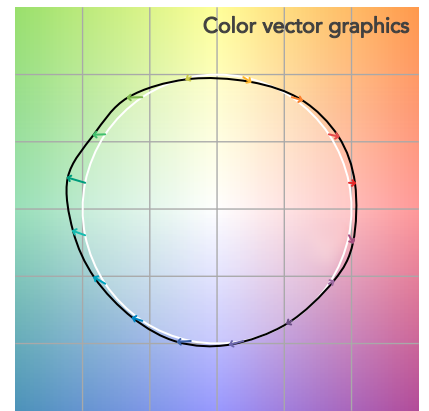
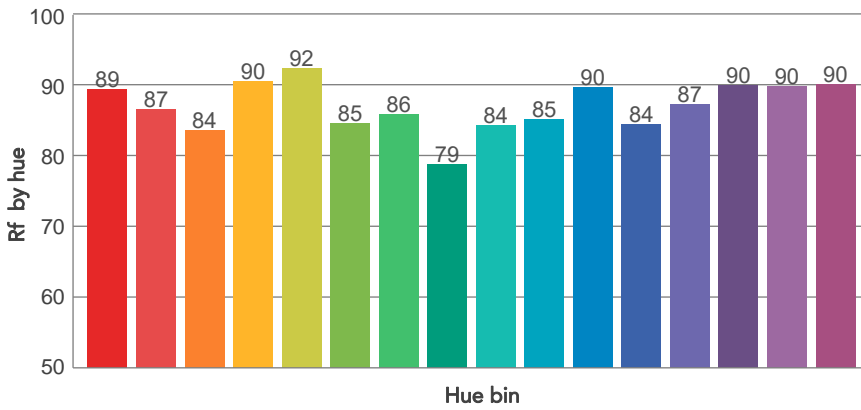
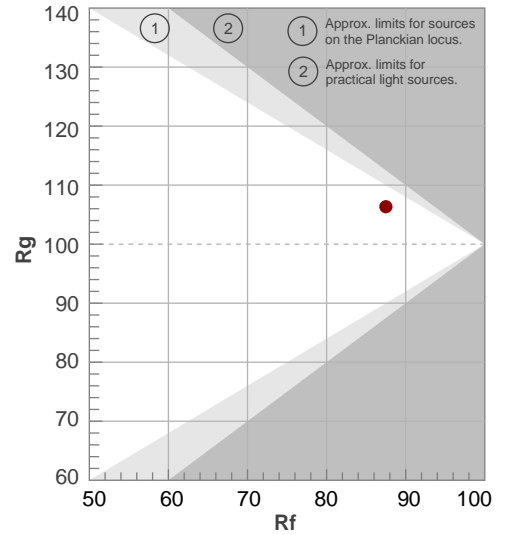
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2832 K	83,4	69,3	87,5	106,3	84,8	66	0,453	0,415	0,0022

TM30 DETAILS

Rf 87,5
Fidelity index Rf

Rg 106,3
Gammut index

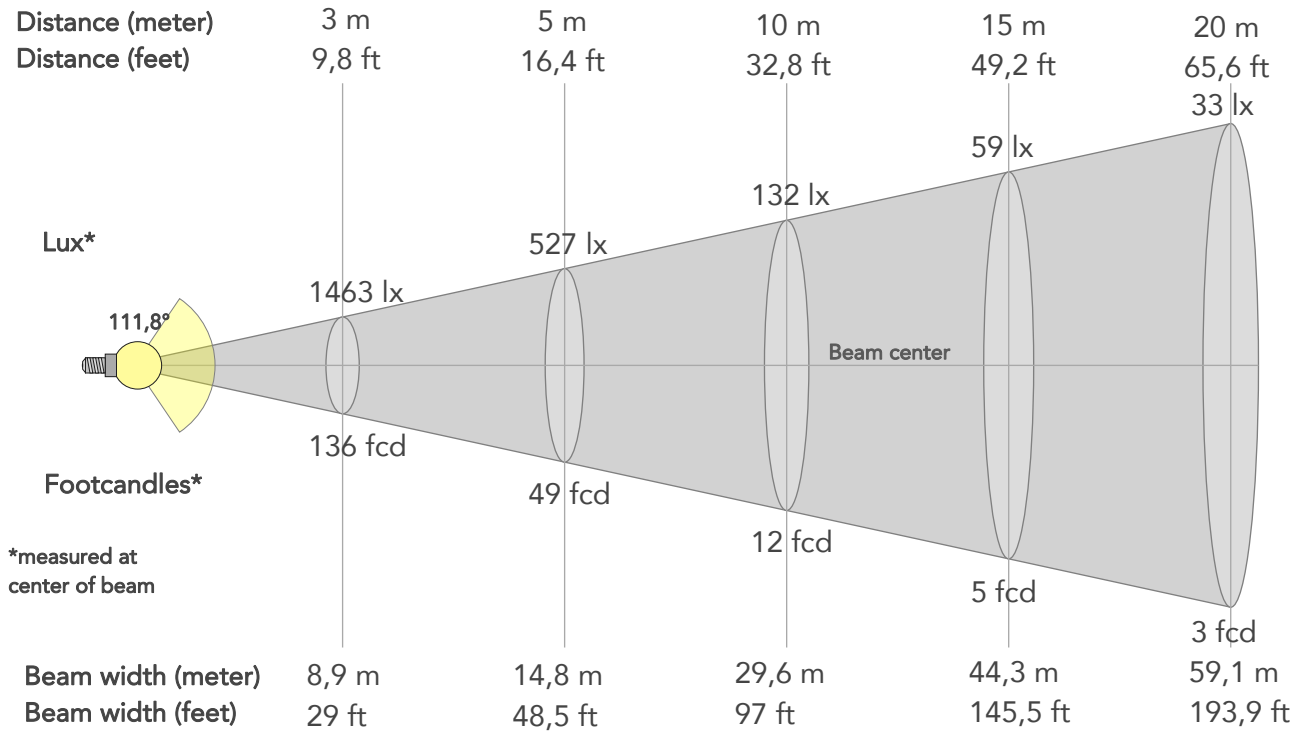
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	4%	-1%
2	87	5%	-5%
3	84	2%	-7%
4	90	-2%	-6%
5	92	-1%	3%
6	85	6%	9%
7	86	7%	5%
8	79	13%	-1%
9	84	8%	-5%
10	85	4%	-8%
11	90	2%	-7%
12	84	3%	-9%
13	87	1%	-10%
14	90	0%	-4%
15	90	2%	3%
16	90	4%	-5%



BEAM DETAILS



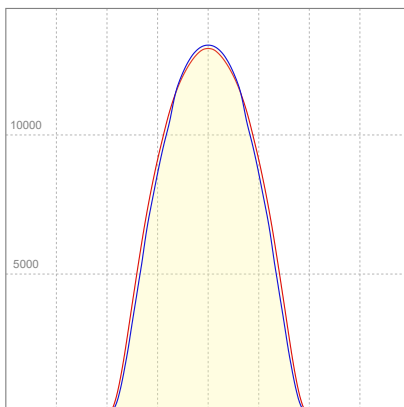
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
111,8°	153,5°	165,6°	82,6%	56,5%



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	13167lx	3292lx	1463lx	823lx	527lx	234lx	132lx	59lx	33lx	21lx	15lx	8lx	5lx
Footcand.	1223fcd	306fcd	136fcd	76fcd	49fcd	22fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	3m	5,9m	8,9m	11,8m	14,8m	22,2m	29,6m	44,3m	59,1m	73,9m	88,7m	118,3m	147,8m
Beam wid.	9,8ft	19,5ft	29ft	38,7ft	48,5ft	72,7ft	97ft	145,5ft	193,9ft	242,4ft	290,9ft	387,9ft	484,9ft

LINEAR DISTRIBUTION DIAGRAM

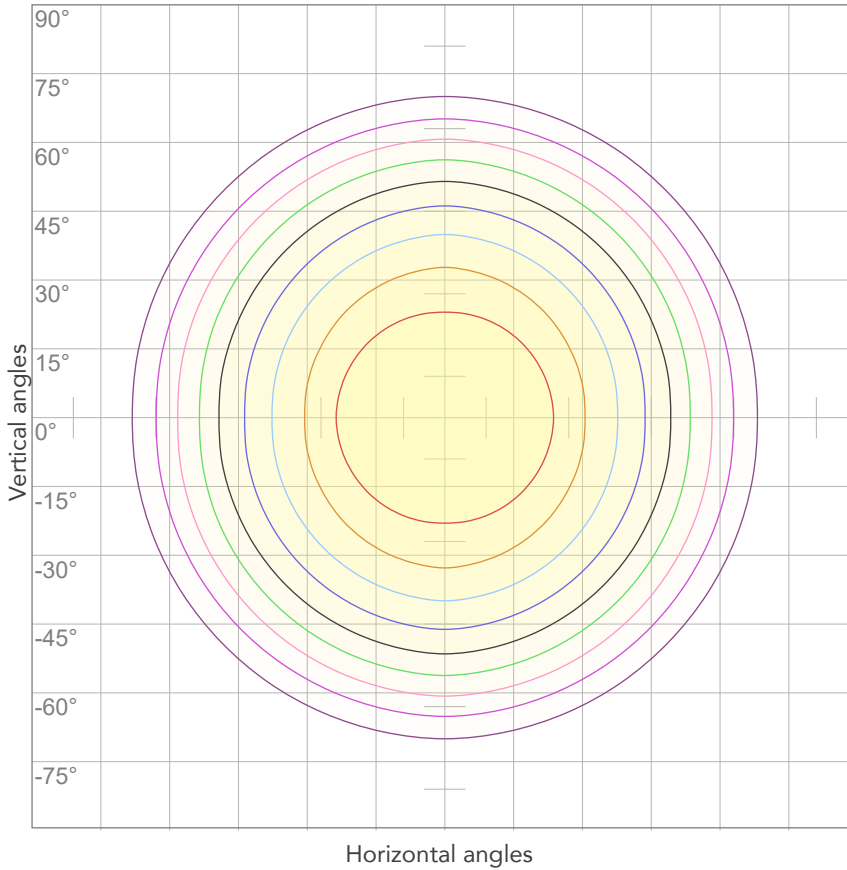


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	1,85A	414,5W	0,99	87lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



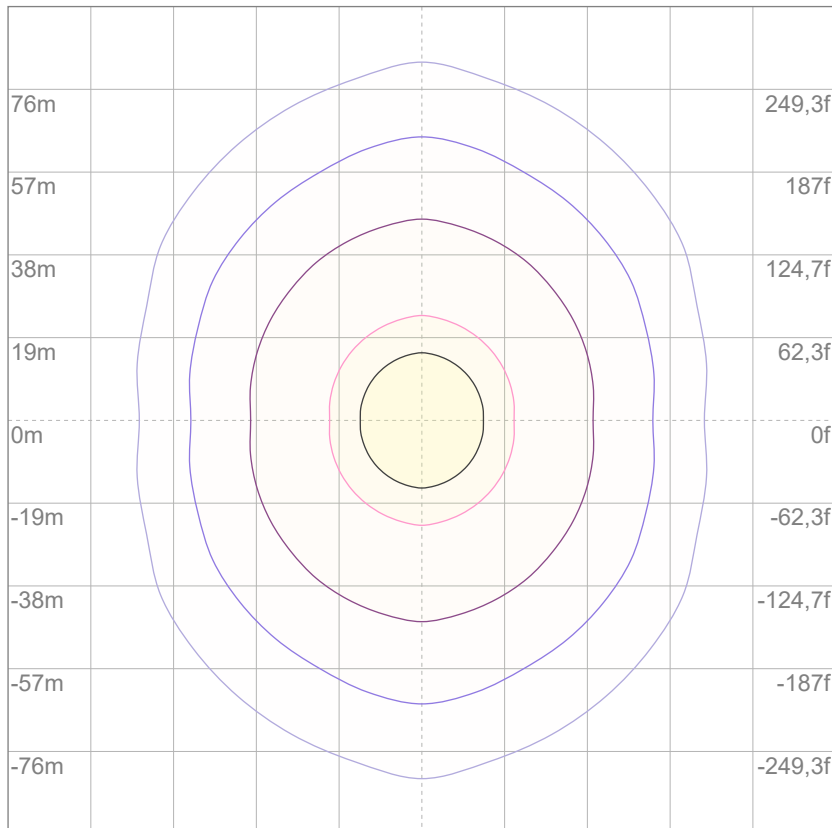
10%	1317 cd
20%	2633 cd
30%	3950 cd
40%	5267 cd
50%	6583 cd
60%	7900 cd
70%	9217 cd
80%	10533 cd

Conditions:

Number of c-planes: 4

Candela at center: 13167 cd

ISO LUX DIAGRAM



3%	3,95 lx
5%	6,58 lx
10%	13,2 lx
30%	39,5 lx
50%	65,8 lx

Conditions:

Number of c-planes: 4

Lux at center: 132 lx

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



Total lumen output:

38705 lm

Peak candela output:

14249 cd

Light quality:

CRI: 89,4

Color temperature:

3247 K

PRODUCT NAME:

SUNBLASTFLX

MEASUREMENT CONDITIONS:

Beam angle:

Original Optic

Target:

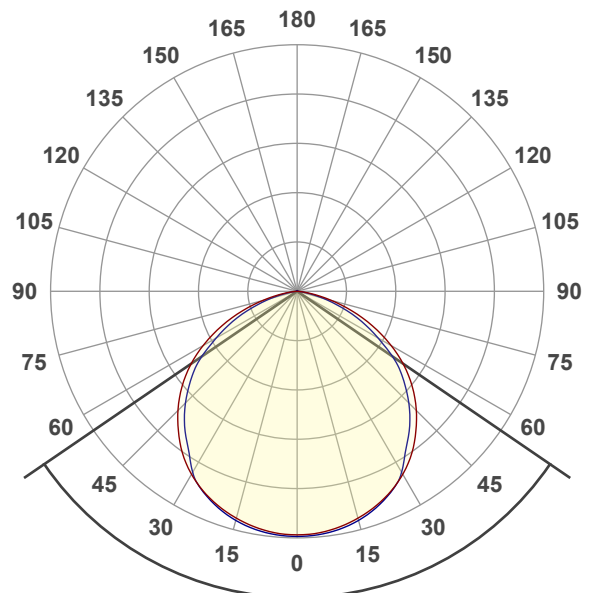
3200K - HQ

Operator:

Salvatore Giglio

Date and time:

15/10/2024 12:24:01

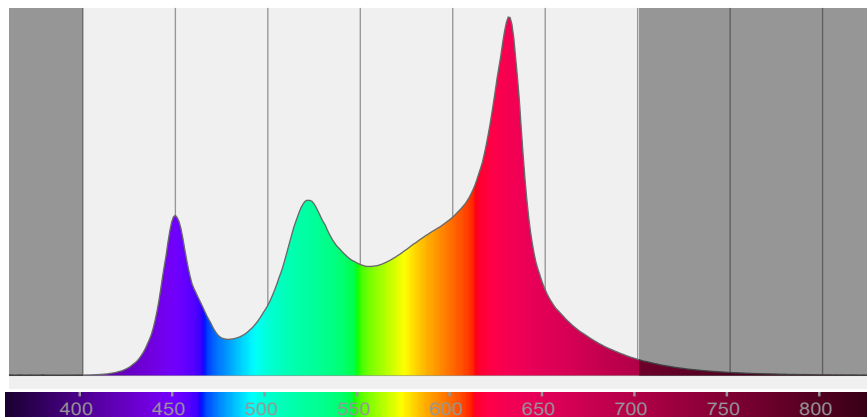


Beam angle 50%: 111,3°

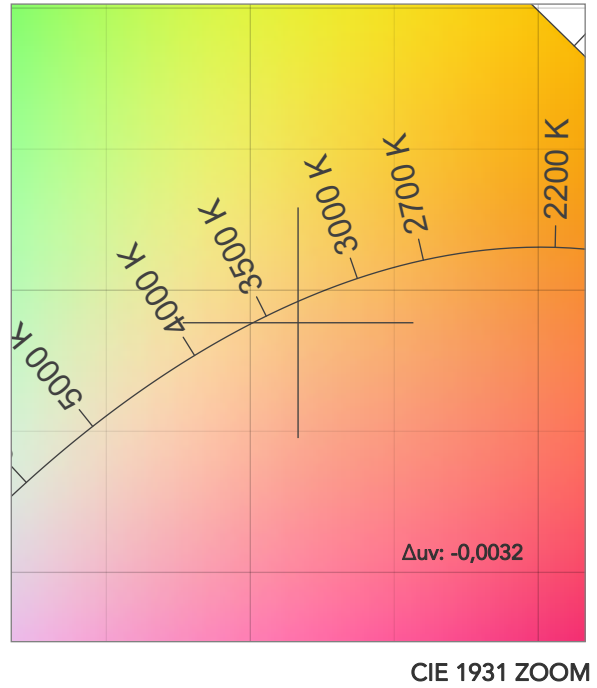
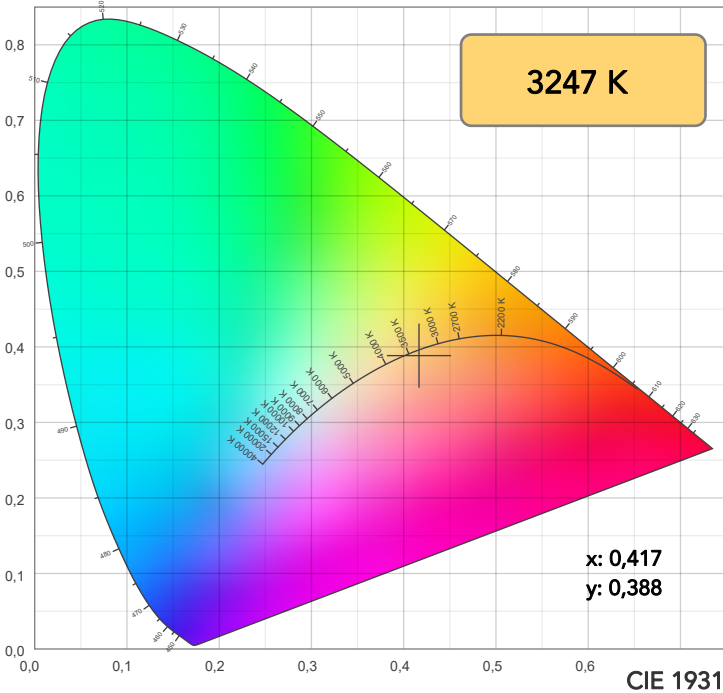
Field angle 10%: 153,3°

Cut off angle 2.5%: 165,5°

Spectra

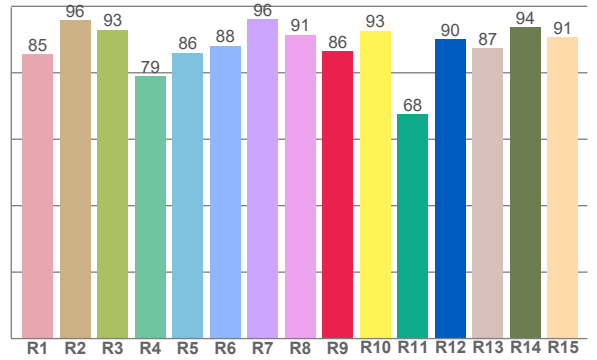
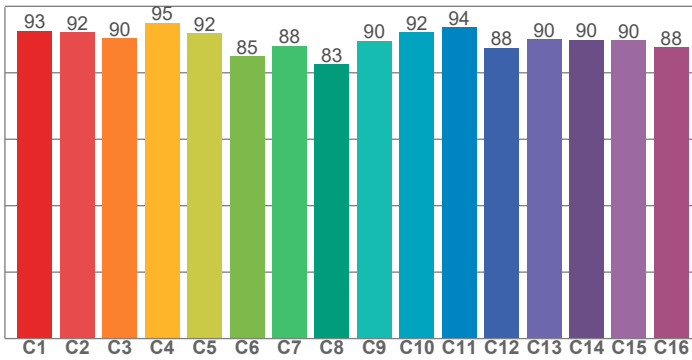


COLOR DETAILS



TM30: 90,6

CRI: 89,4 (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
85,5	95,9	93,0	79,0	86,0	88,2	96,1	91,5	86,4	92,6	67,6	90,0	87,5	93,7	90,8

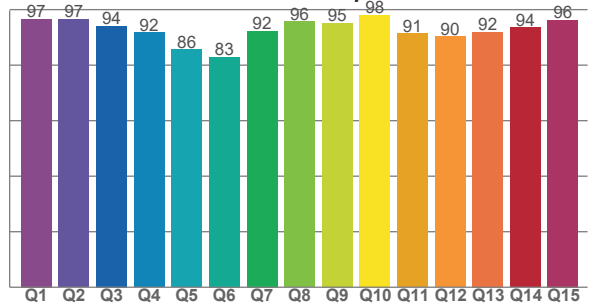
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,6	92,2	90,3	95,1	91,8	84,9	88,1	82,6	89,7	92,1	93,7	87,5	90,1	89,9	89,8	87,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,6	96,5	94,0	91,8	85,6	83,0	92,3	95,7	95,2	98,1	91,3	90,3	92,0	93,5	96,2

CQS: 91,6



COLOR PARAMETERS

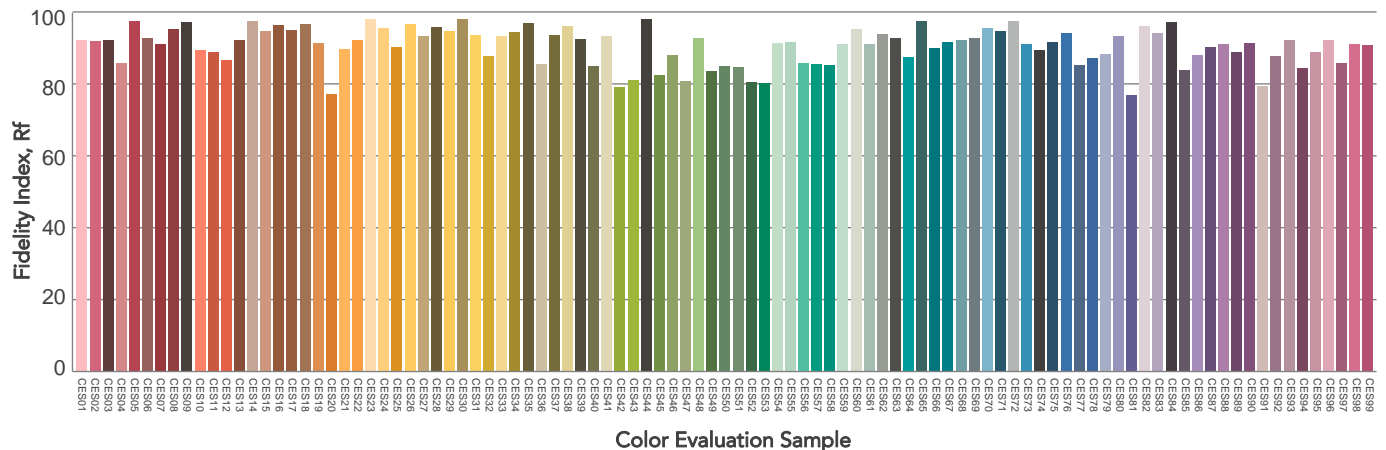
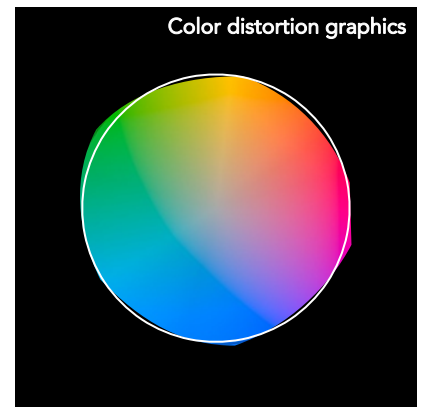
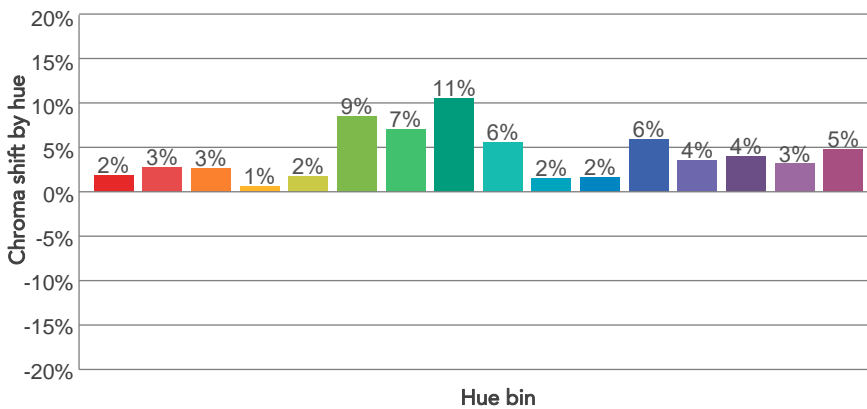
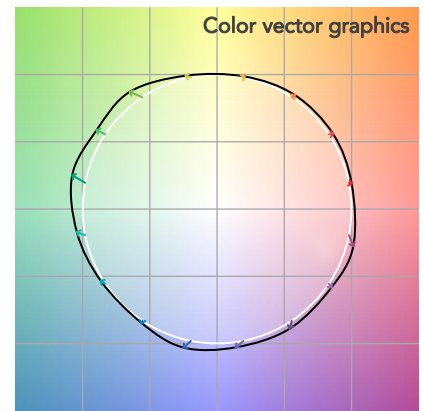
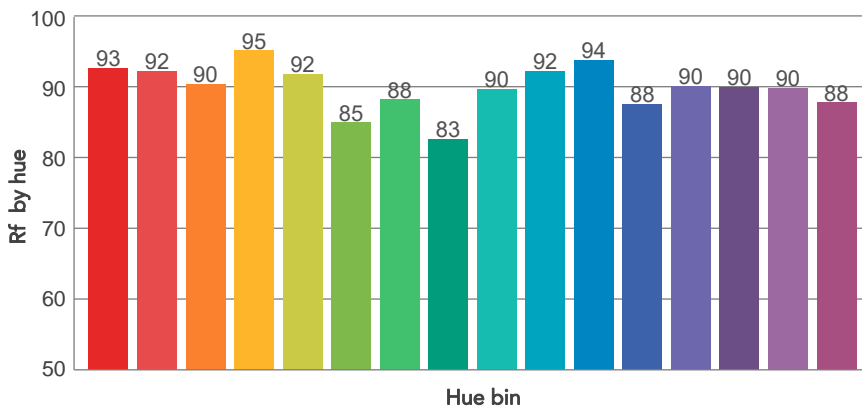
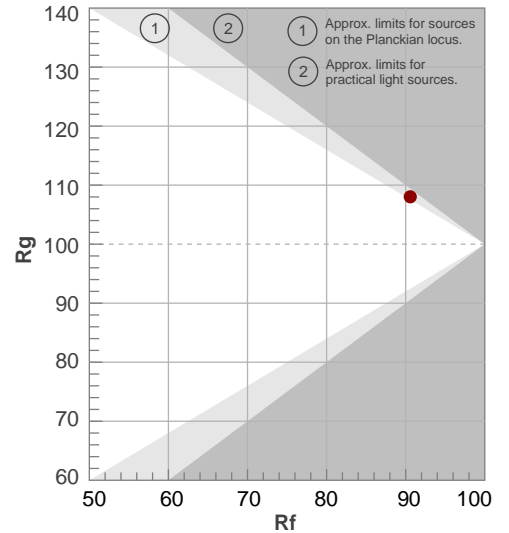
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3247 K	89,4	86,4	90,6	108,0	91,6	77	0,417	0,388	-0,0032

TM30 DETAILS

Rf 90,6
Fidelity index Rf

Rg 108,0
Gammut index

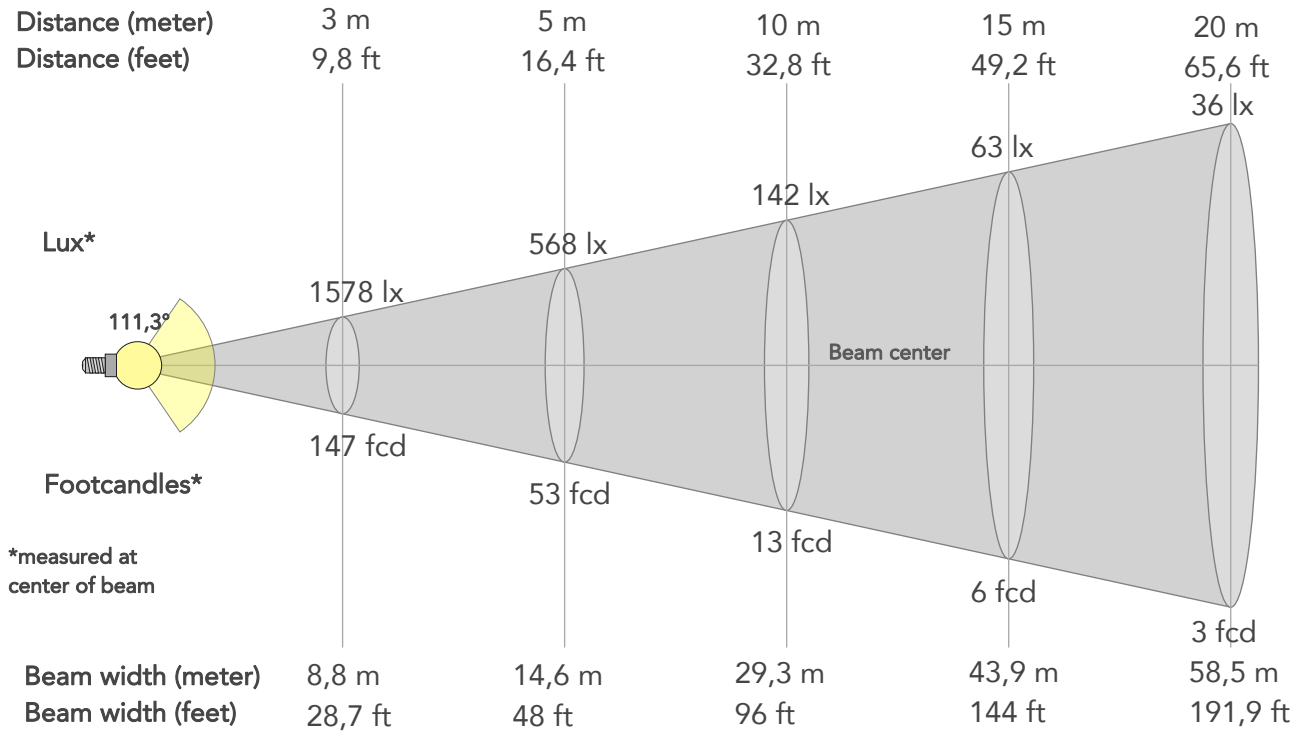
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	2%	-1%
2	92	3%	-2%
3	90	3%	-1%
4	95	1%	-1%
5	92	2%	4%
6	85	9%	6%
7	88	7%	1%
8	83	11%	-4%
9	90	6%	-4%
10	92	2%	-4%
11	94	2%	1%
12	88	6%	-4%
13	90	4%	-6%
14	90	4%	-4%
15	90	3%	-1%
16	88	5%	-7%



BEAM DETAILS



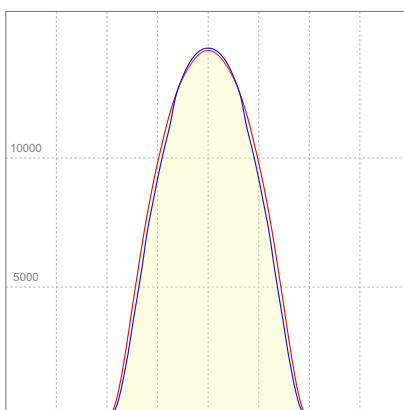
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
111,3°	153,3°	165,5°	82,7%	56,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	14204lx	3551lx	1578lx	888lx	568lx	253lx	142lx	63lx	36lx	23lx	16lx	9lx	6lx
Footcand.	1320fcd	330fcd	147fcd	82fcd	53fcd	23fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	1fcd
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	144ft	191,9ft	239,9ft	287,9ft	383,9ft	479,8ft

LINEAR DISTRIBUTION DIAGRAM

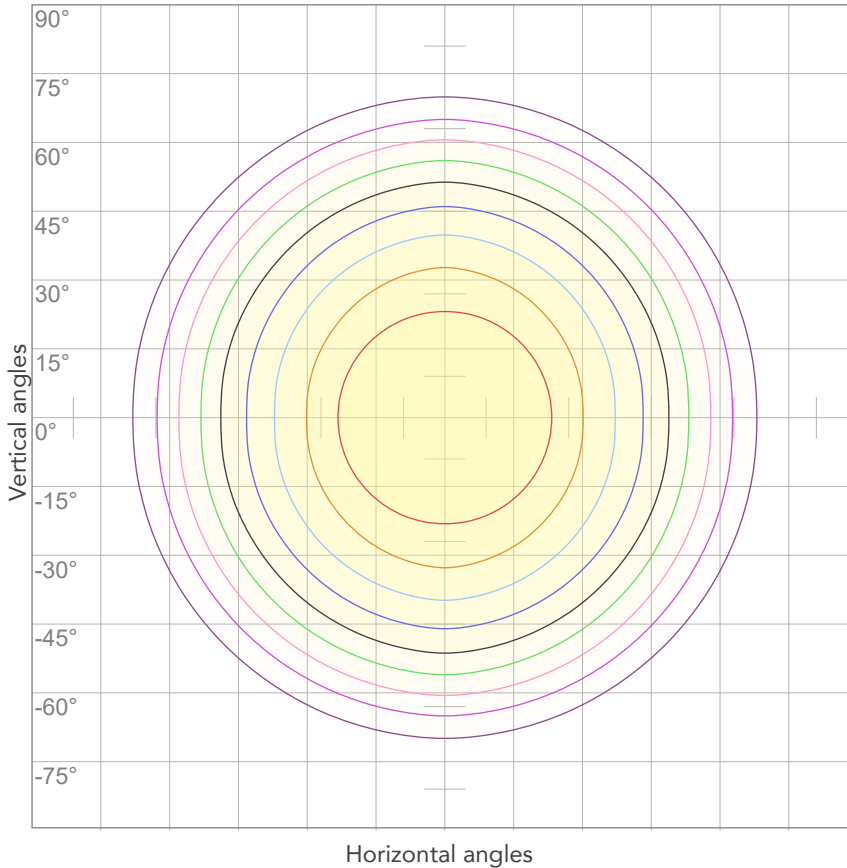


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	1,92A	433,7W	0,99	89lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



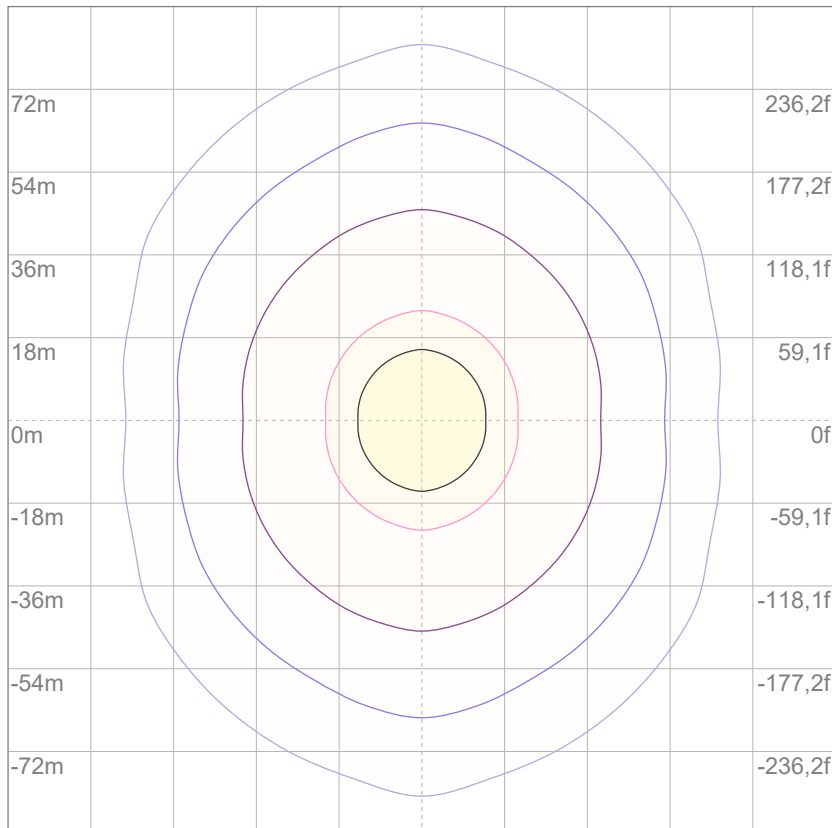
10%	1420 cd
20%	2841 cd
30%	4261 cd
40%	5682 cd
50%	7102 cd
60%	8522 cd
70%	9943 cd
80%	11363 cd

Conditions:

Number of c-planes: 4

Candela at center: 14204 cd

ISO LUX DIAGRAM



3%	4,26 lx
5%	7,10 lx
10%	14,2 lx
30%	42,6 lx
50%	71,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 142 lx

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



Total lumen output:

37542 lm

Peak candela output:

13786 cd

Light quality:

CRI: 91,2

Color temperature:

4014 K

PRODUCT NAME:

SUNBLASTFLX

MEASURAMENT CONDITIONS:

Beam angle:

Original Optic

Target:

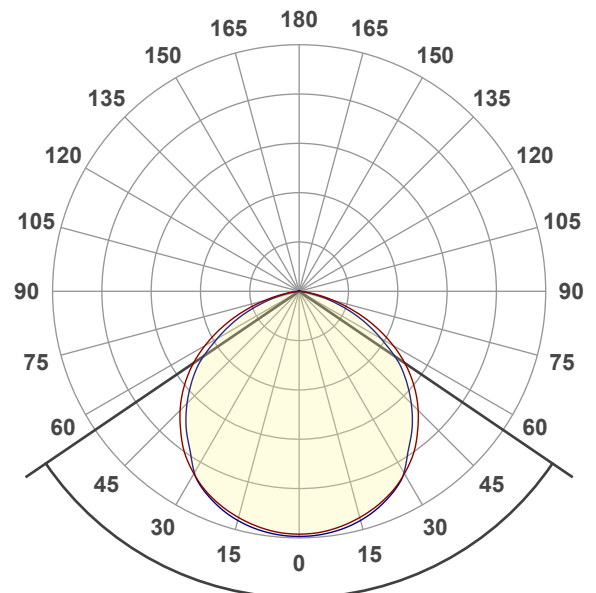
4000K - HQ

Operator:

Salvatore Giglio

Date and time:

15/10/2024 12:32:56

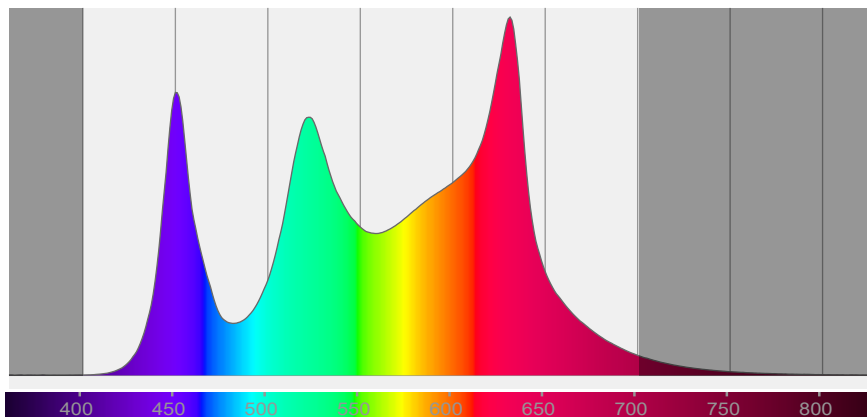


Beam angle 50%: 111,6°

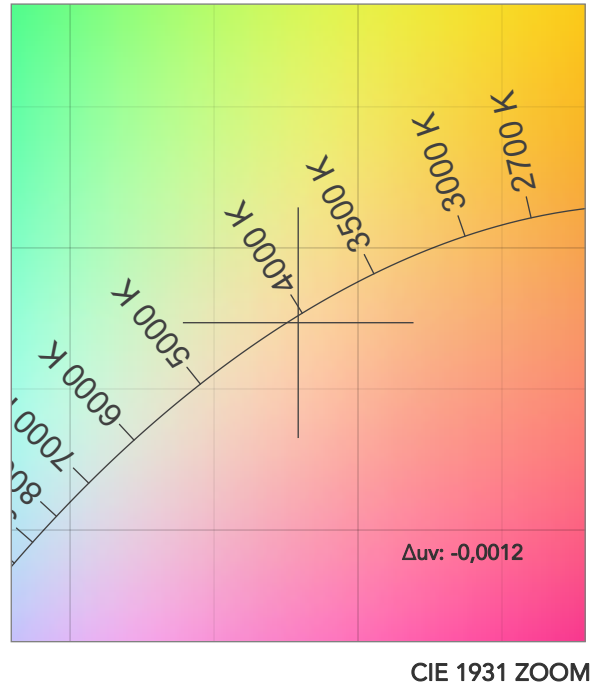
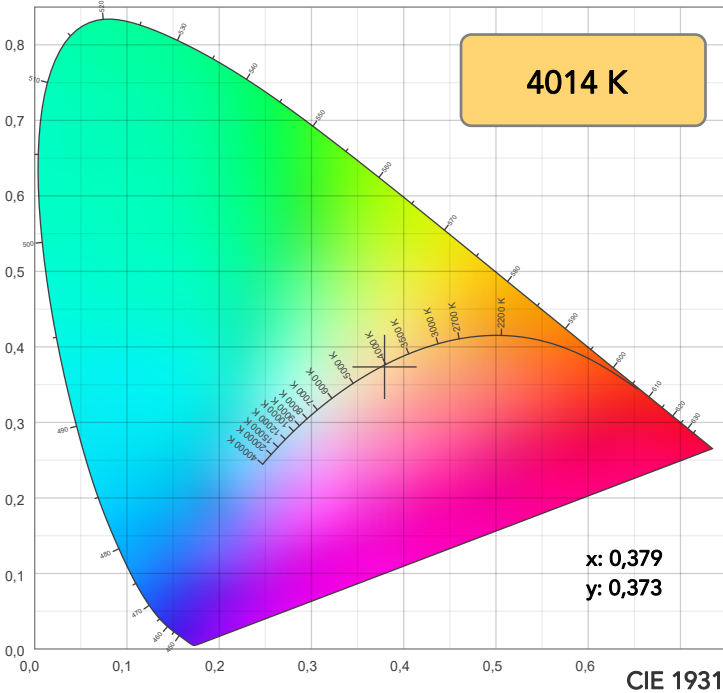
Field angle 10%: 153,5°

Cut off angle 2.5%: 165,7°

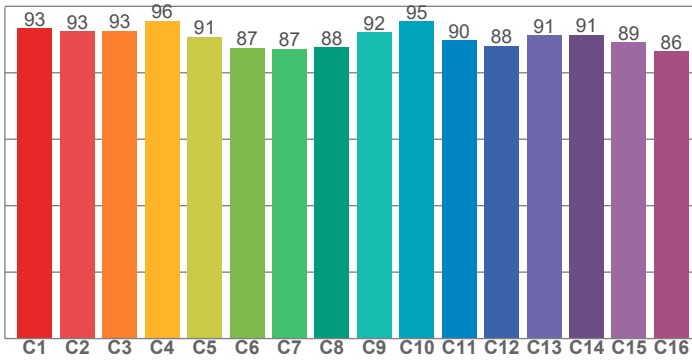
Spectra



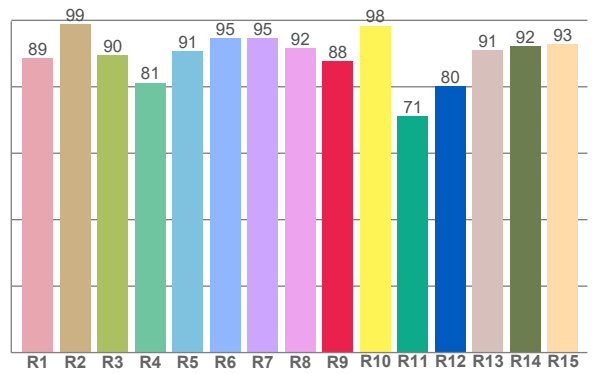
COLOR DETAILS



TM30: 91,1



CRI: 91,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
88,5	98,8	89,5	81,2	90,6	94,5	94,5	91,6	87,7	98,4	71,2	80,1	91,0	92,2	92,9

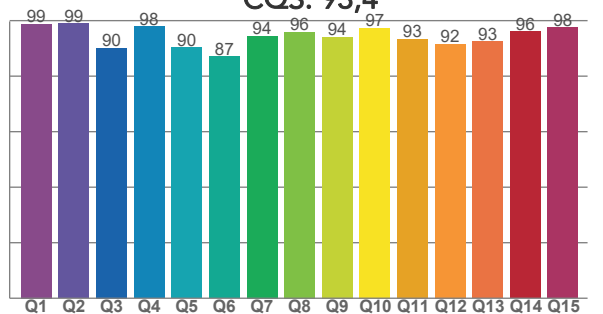
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,5	92,5	92,7	95,6	90,8	87,5	87,2	87,6	92,1	95,5	89,8	88,1	91,3	91,4	89,1	86,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,8	99,0	90,1	98,0	90,4	87,1	94,4	95,9	94,1	97,3	93,3	91,5	92,5	96,0	97,5

CQS: 93,4



COLOR PARAMETERS

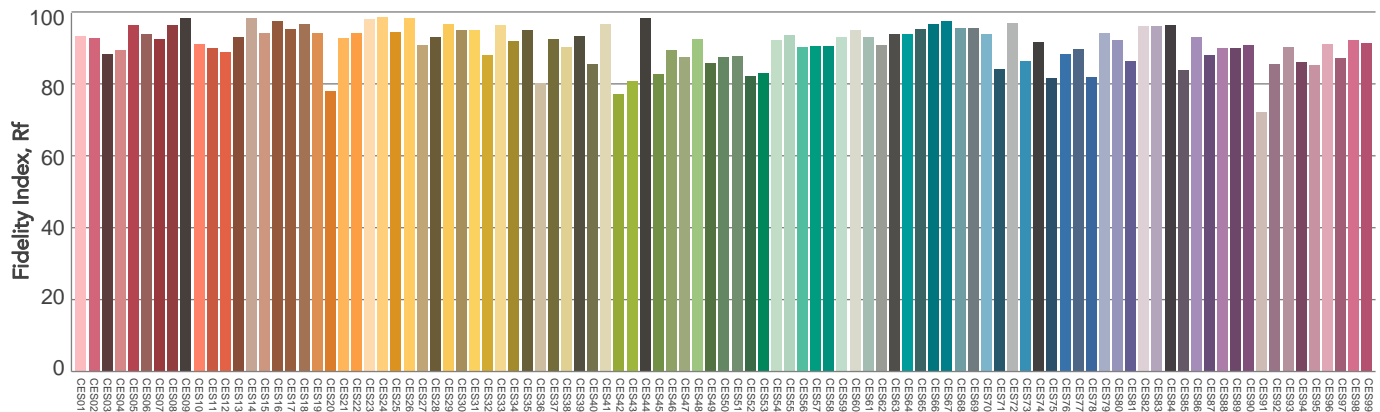
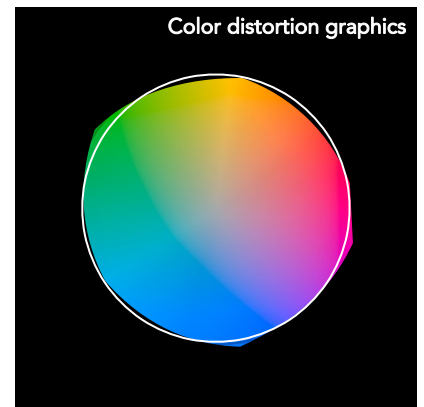
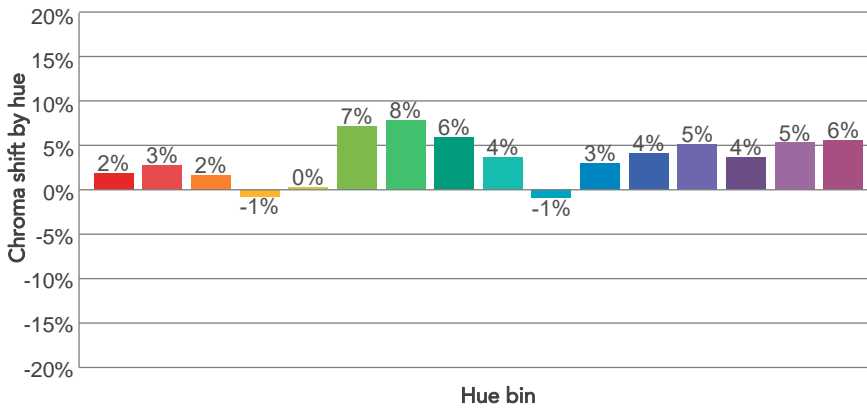
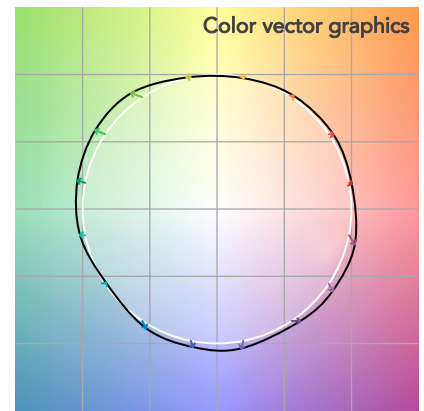
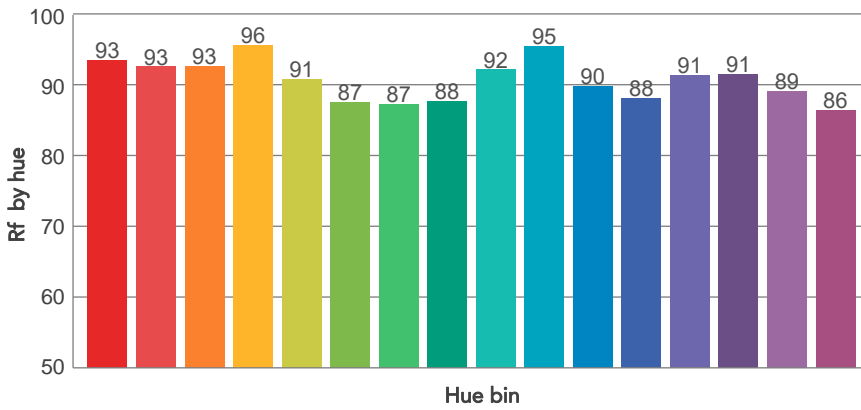
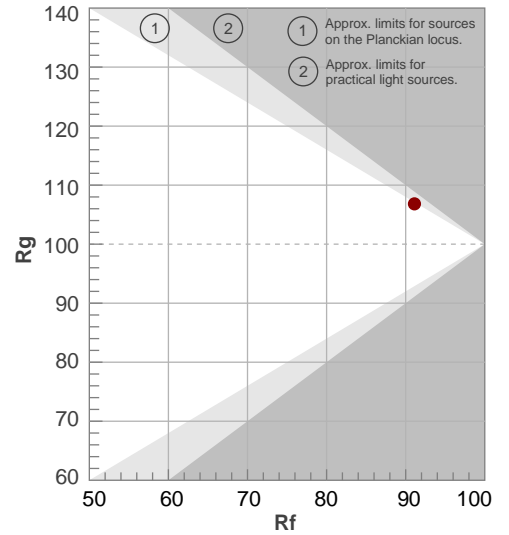
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4014 K	91,2	87,7	91,1	106,8	93,4	81	0,379	0,373	-0,0012

TM30 DETAILS

Rf 91,1
Fidelity index Rf

Rg 106,8
Gammut index

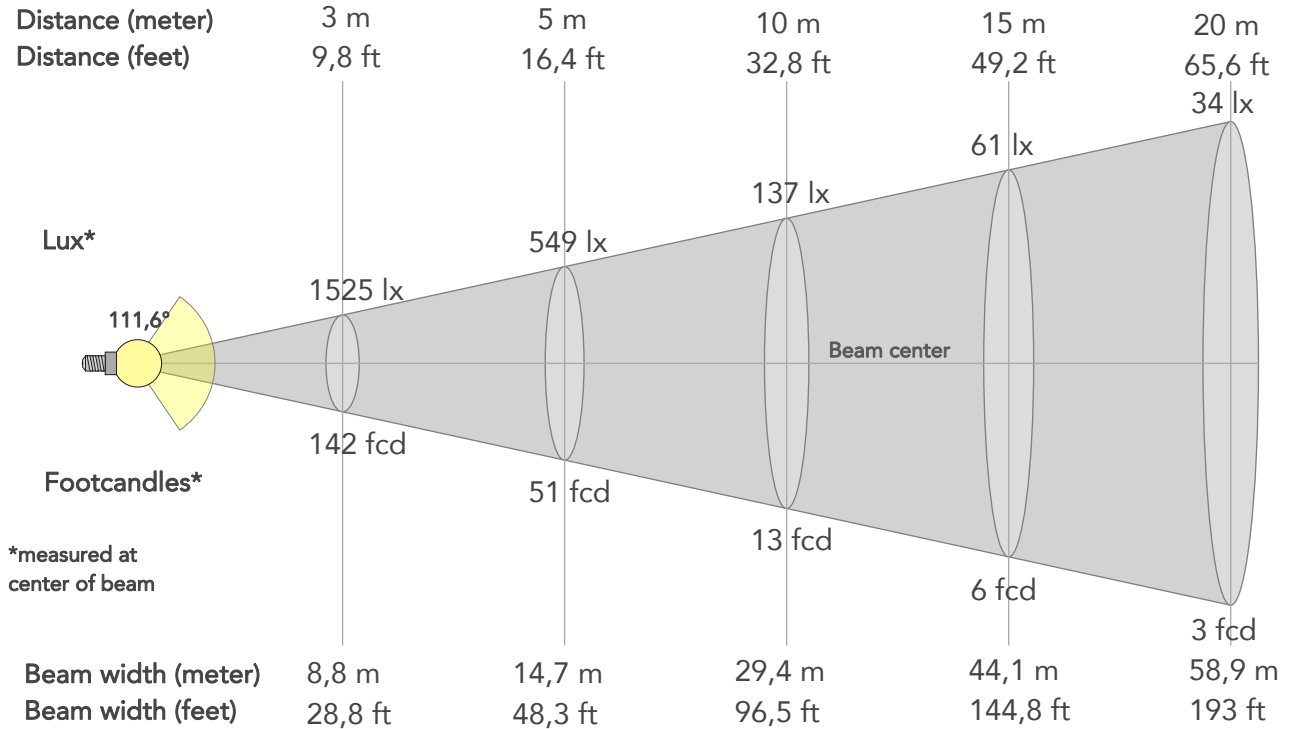
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	2%	-1%
2	93	3%	-2%
3	93	2%	0%
4	96	-1%	0%
5	91	0%	3%
6	87	7%	5%
7	87	8%	2%
8	88	6%	-1%
9	92	4%	-1%
10	95	-1%	0%
11	90	3%	5%
12	88	4%	3%
13	91	5%	-2%
14	91	4%	5%
15	89	5%	-3%
16	86	6%	-6%



BEAM DETAILS



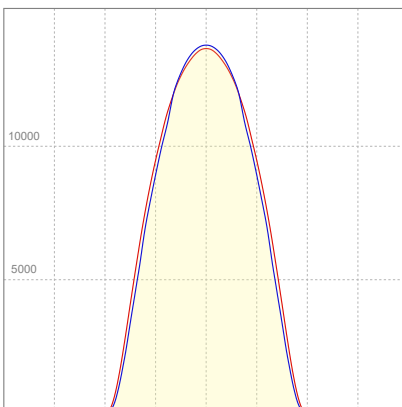
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
111,6°	153,5°	165,7°	82,6%	56,5%



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	13723lx	3431lx	1525lx	858lx	549lx	244lx	137lx	61lx	34lx	22lx	15lx	9lx	5lx
Footcand.	1275fcd	319fcd	142fcd	80fcd	51fcd	23fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	1fcd
Beam wid.	2,9m	5,9m	8,8m	11,8m	14,7m	22,1m	29,4m	44,1m	58,9m	73,6m	88,3m	117,7m	147,1m
Beam wid.	9,7ft	19,4ft	28,8ft	38,5ft	48,3ft	72,4ft	96,5ft	144,8ft	193ft	241,3ft	289,6ft	386,1ft	482,6ft

LINEAR DISTRIBUTION DIAGRAM

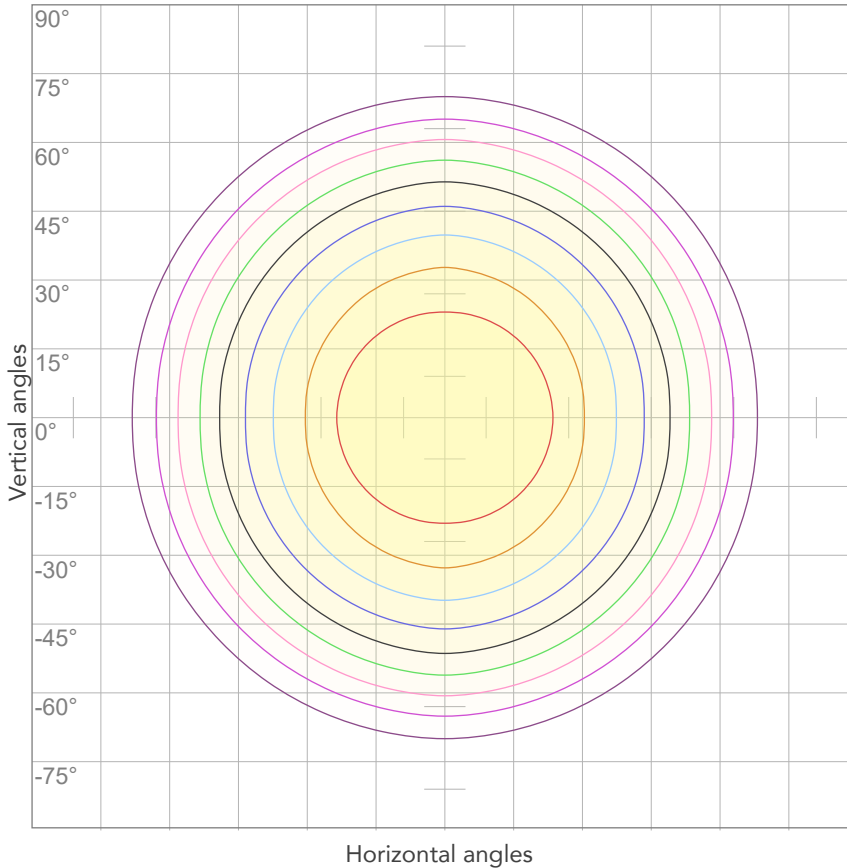


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	1,91A	431,7W	0,99	87lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



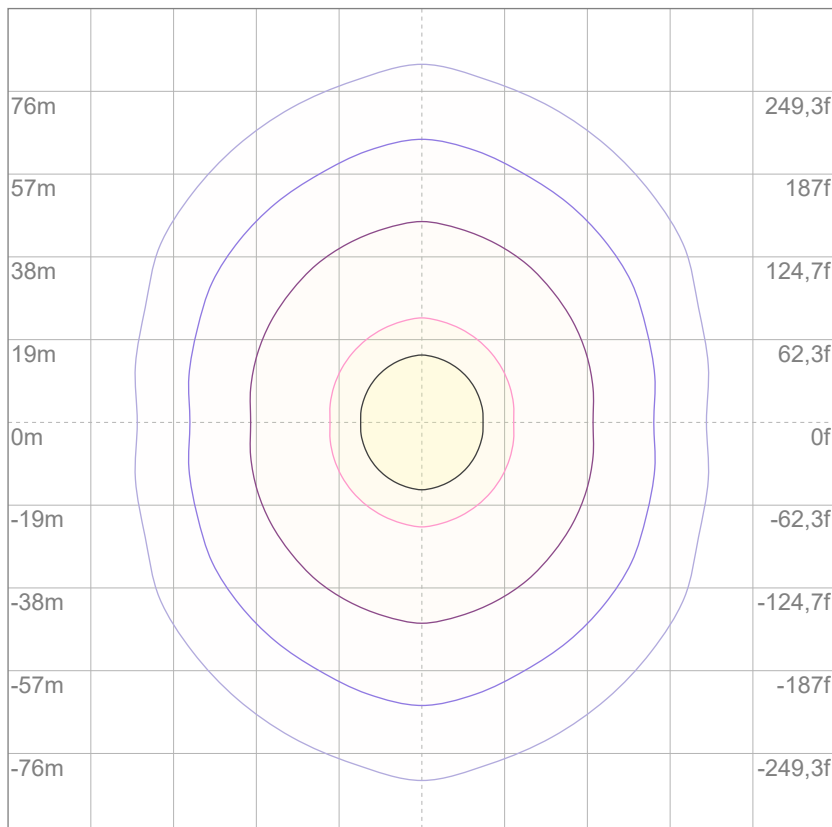
10%	1372 cd
20%	2745 cd
30%	4117 cd
40%	5489 cd
50%	6861 cd
60%	8234 cd
70%	9606 cd
80%	10978 cd

Conditions:

Number of c-planes: 4

Candela at center: 13723 cd

ISO LUX DIAGRAM



3%	4,12 lx
5%	6,86 lx
10%	13,7 lx
30%	41,2 lx
50%	68,6 lx

Conditions:

Number of c-planes: 4

Lux at center: 137 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:

35706 lm

Peak candela output:

12956 cd

Light quality:

CRI: 90,3

Color temperature:

5620 K

PRODUCT NAME:

SUNBLASTFLX

MEASUREMENT CONDITIONS:

Beam angle:

Original Optic

Target:

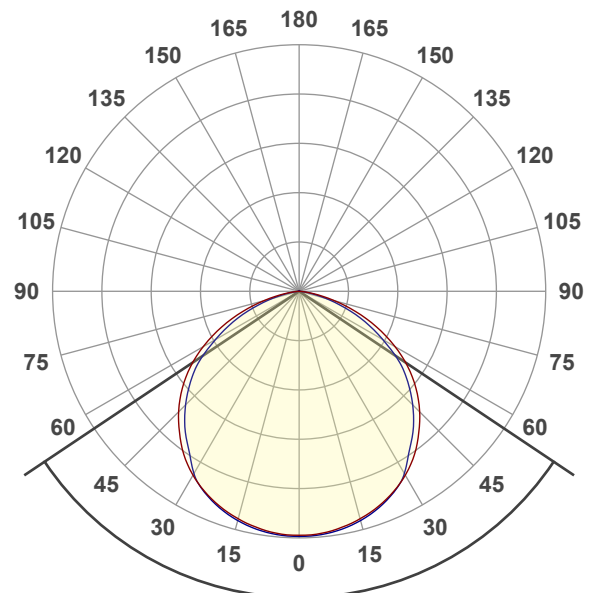
5600K - HQ

Operator:

Salvatore Giglio

Date and time:

15/10/2024 13:08:48

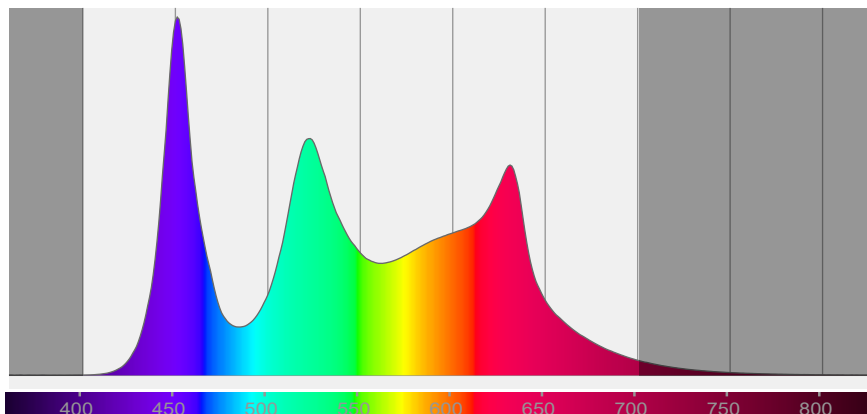


Beam angle 50%: 112,4°

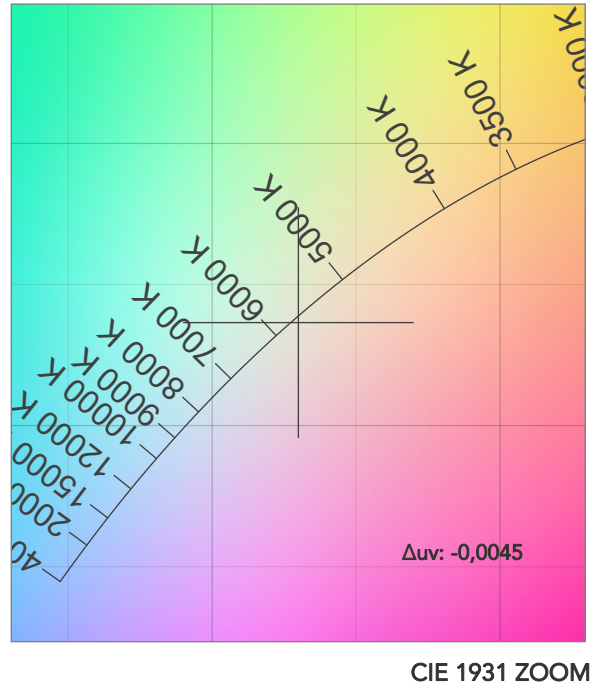
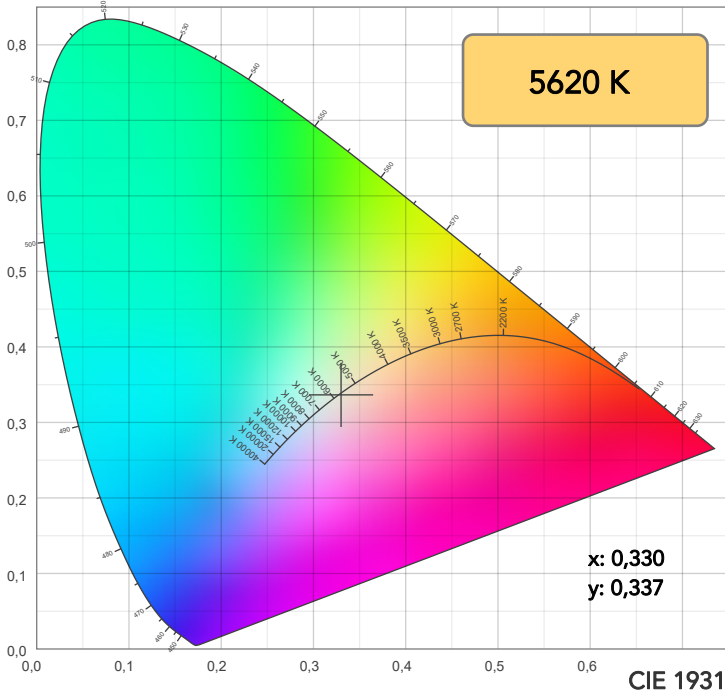
Field angle 10%: 153,8°

Cut off angle 2.5%: 165,9°

Spectra

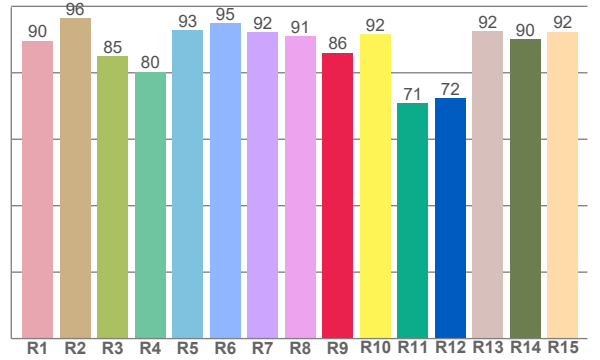
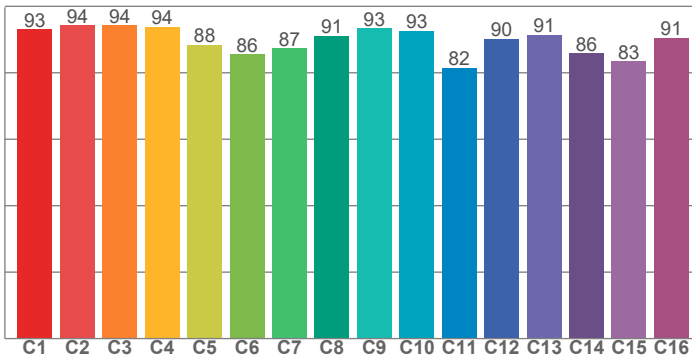


COLOR DETAILS



TM30: 89,7

CRI: 90,3 (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
89,7	96,5	85,1	80,3	92,9	94,8	92,1	90,9	86,1	91,5	70,7	72,3	92,4	90,1	92,4

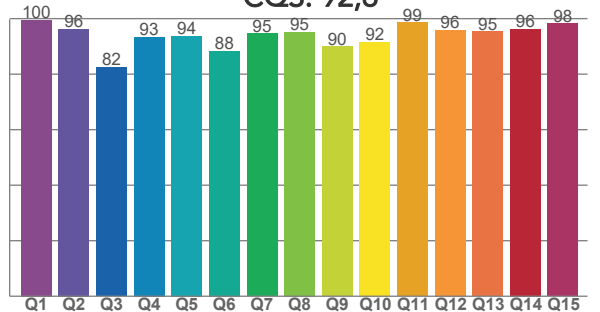
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,0	94,3	94,3	93,8	88,4	85,6	87,3	91,1	93,3	92,6	81,5	90,2	91,5	85,8	83,4	90,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,6	96,2	82,5	93,4	93,8	88,3	94,6	95,2	89,9	91,6	98,6	95,9	95,4	96,2	98,2

CQS: 92,6



COLOR PARAMETERS

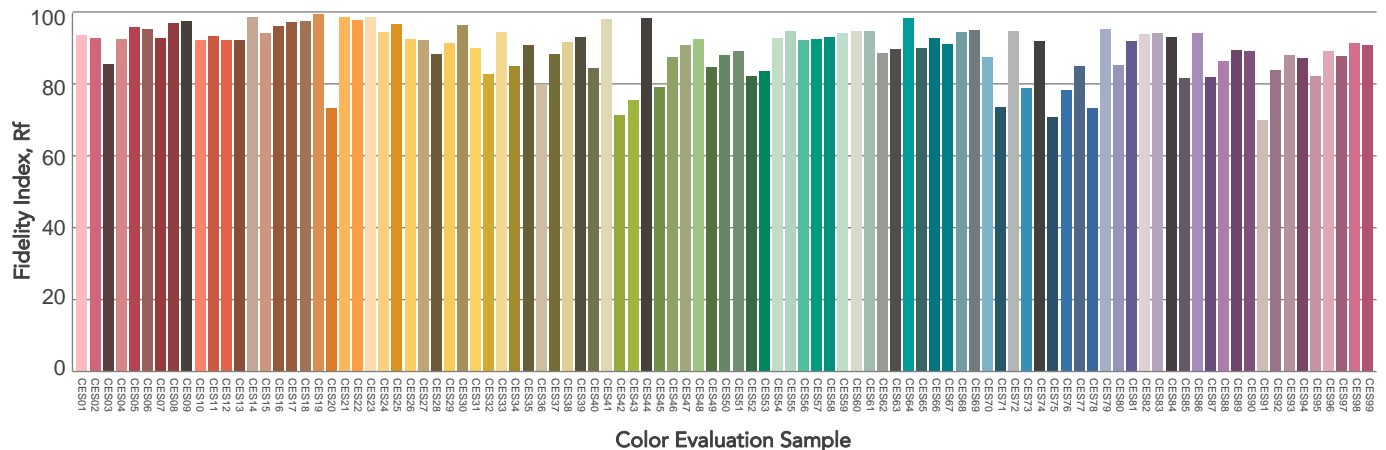
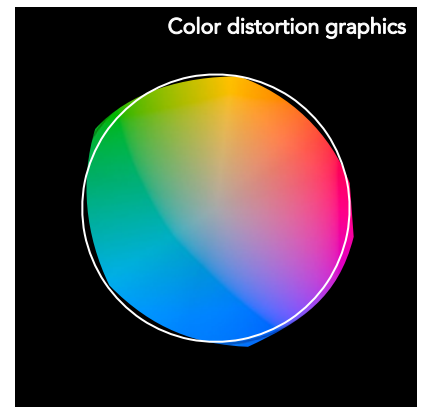
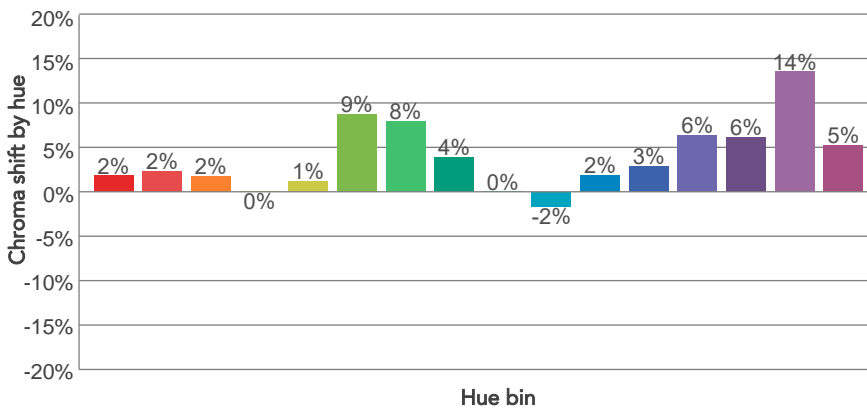
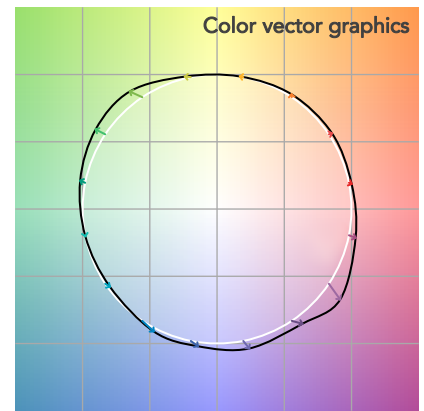
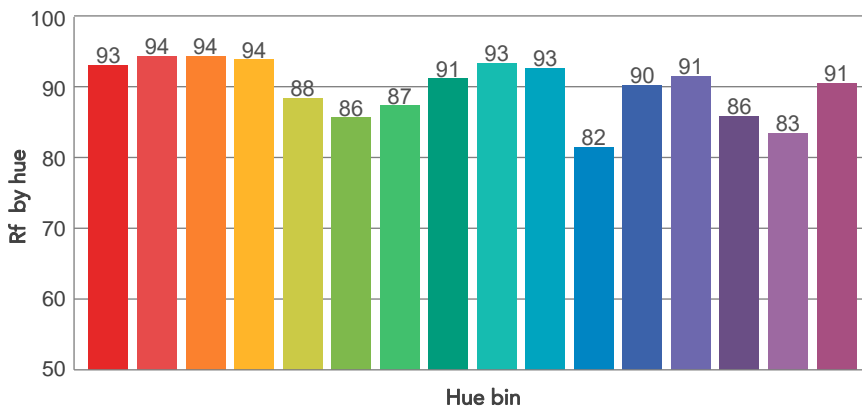
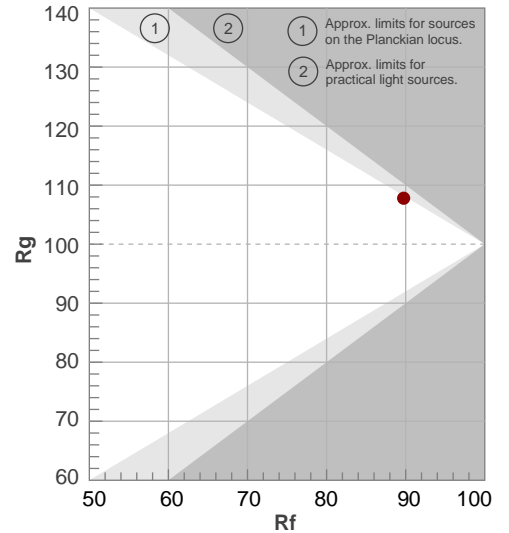
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5620 K	90,3	86,1	89,7	107,8	92,6	86	0,330	0,337	-0,0045

TM30 DETAILS

Rf 89,7
Fidelity index Rf

Rg 107,8
Gammut index

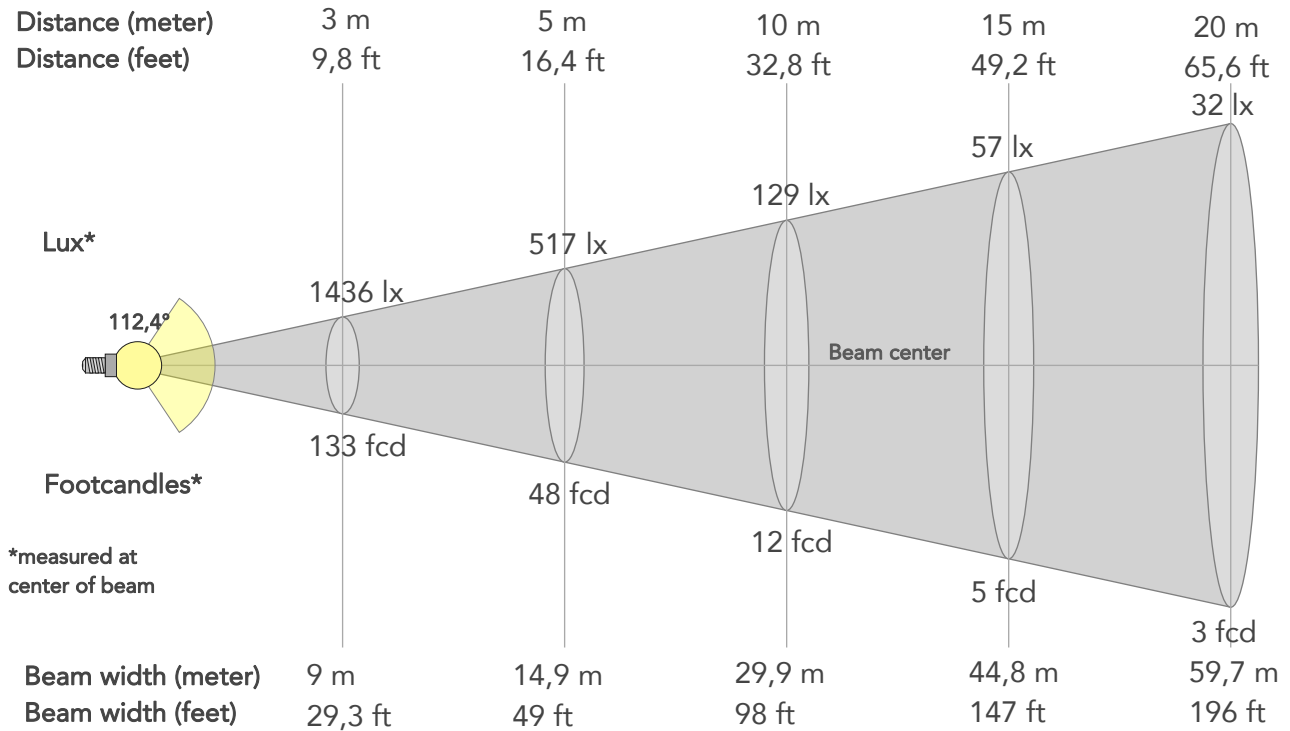
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	2%	-1%
2	94	2%	-1%
3	94	2%	1%
4	94	0%	3%
5	88	1%	4%
6	86	9%	5%
7	87	8%	1%
8	91	4%	-1%
9	93	0%	1%
10	93	-2%	4%
11	82	2%	11%
12	90	3%	6%
13	91	6%	3%
14	86	6%	5%
15	83	14%	-5%
16	91	5%	-1%



BEAM DETAILS



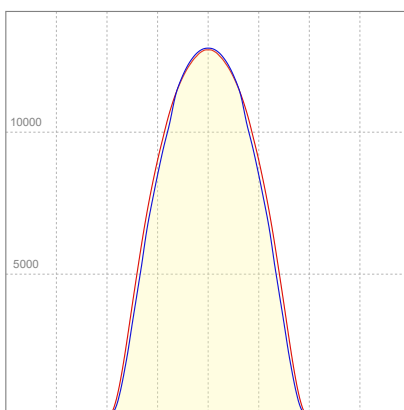
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
112,4°	153,8°	165,9°	82,4%	56,2%



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	12927lx	3232lx	1436lx	808lx	517lx	230lx	129lx	57lx	32lx	21lx	14lx	8lx	5lx
Footcand.	1201fcd	300fcd	133fcd	75fcd	48fcd	21fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	3m	6m	9m	11,9m	14,9m	22,4m	29,9m	44,8m	59,7m	74,7m	89,6m	119,5m	149,4m
Beam wid.	9,9ft	19,7ft	29,3ft	39,1ft	49ft	73,5ft	98ft	147ft	196ft	245ft	294ft	392ft	489,9ft

LINEAR DISTRIBUTION DIAGRAM

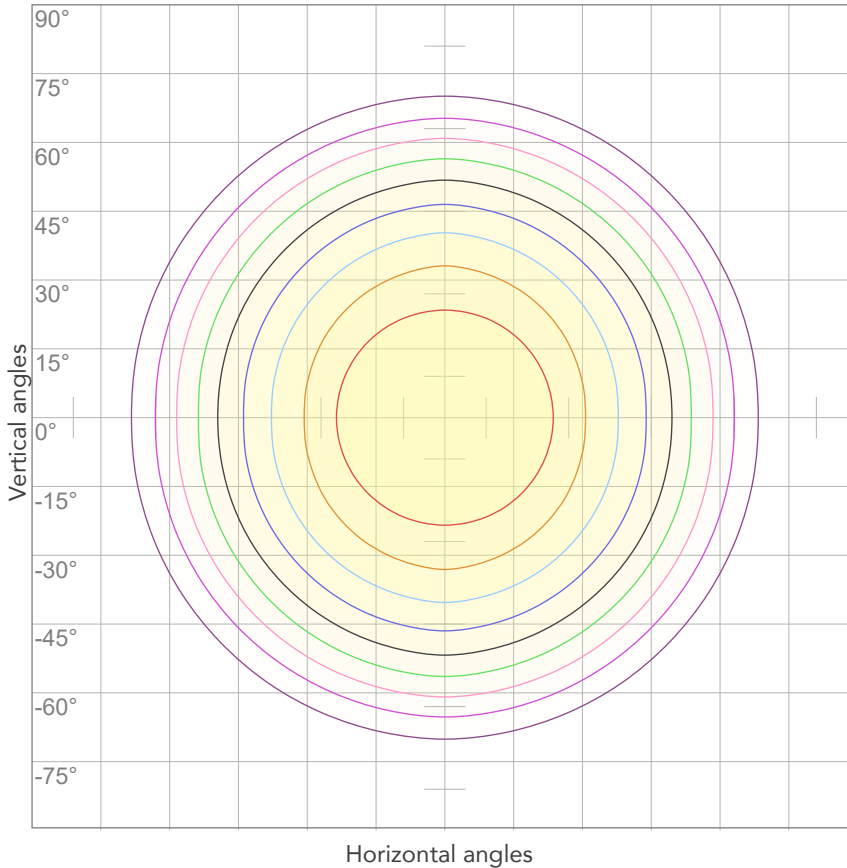


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	1,93A	433,7W	0,99	82lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



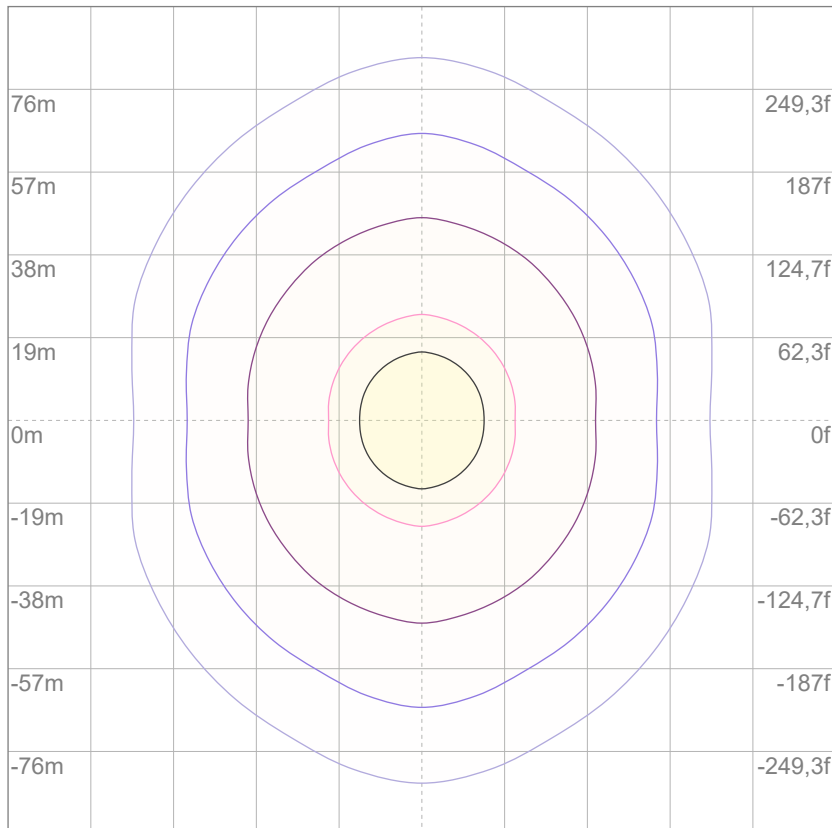
10%	1293 cd
20%	2585 cd
30%	3878 cd
40%	5171 cd
50%	6463 cd
60%	7756 cd
70%	9049 cd
80%	10341 cd

Conditions:

Number of c-planes: 4

Candela at center: 12927 cd

ISO LUX DIAGRAM



3%	3,88 lx
5%	6,46 lx
10%	12,9 lx
30%	38,8 lx
50%	64,6 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.



Total lumen output:

35936 lm

Peak candela output:

13023 cd

Light quality:

CRI: 90,4

Color temperature:

6004 K

PRODUCT NAME:

SUNBLASTFLX

MEASURAMENT CONDITIONS:

Beam angle:

Original Optic

Target:

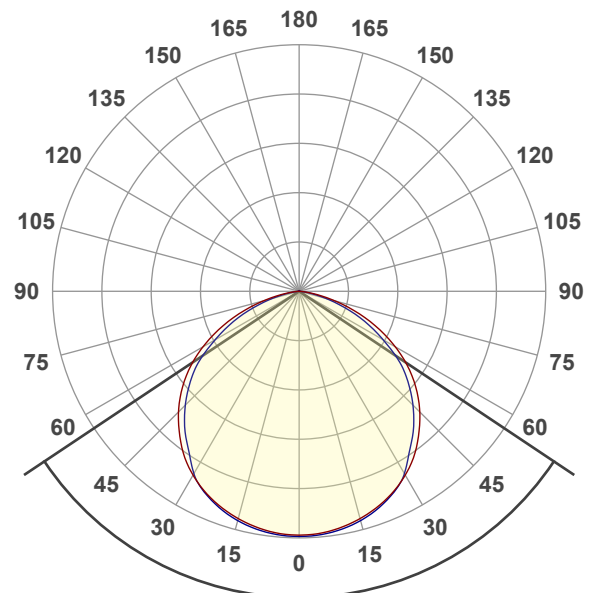
6000K - HQ

Operator:

Salvatore Giglio

Date and time:

15/10/2024 14:11:16

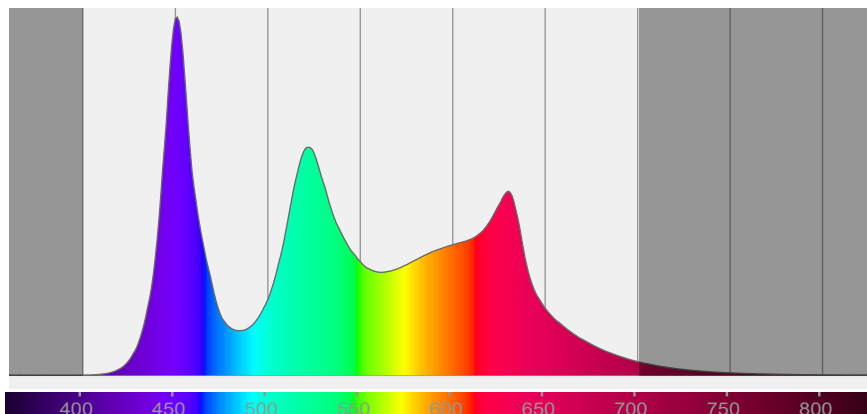


Beam angle 50%: 112,5°

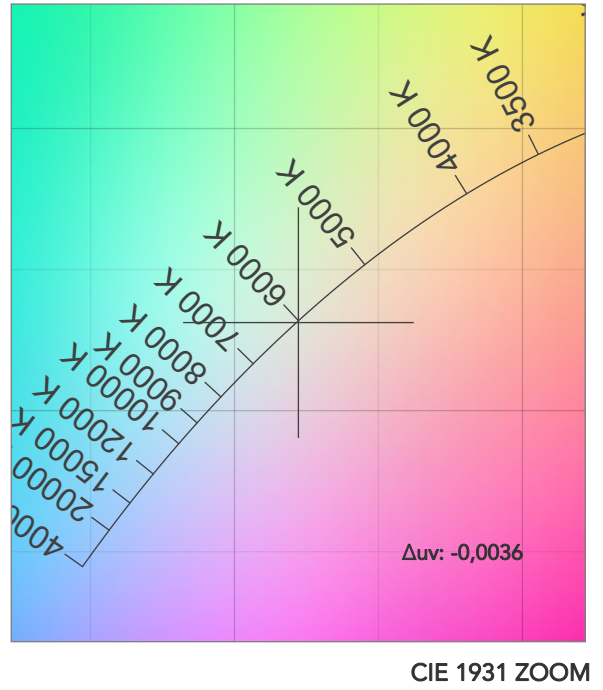
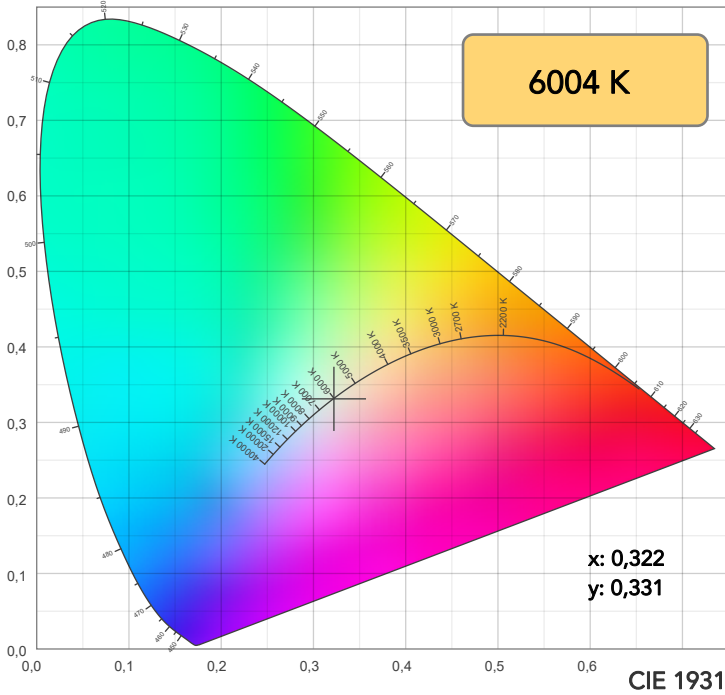
Field angle 10%: 153,9°

Cut off angle 2.5%: 165,9°

Spectra

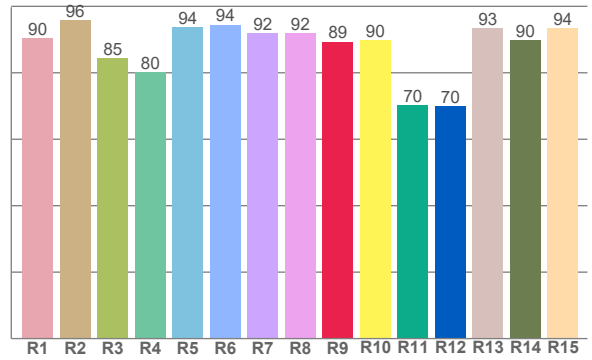
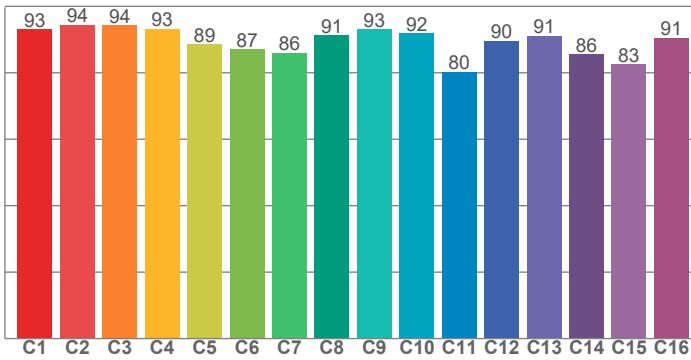


COLOR DETAILS



TM30: 89,5

CRI: 90,4 (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
90,5	95,8	84,5	80,3	93,8	94,5	91,9	91,9	89,4	89,8	70,3	69,9	93,3	89,9	93,5

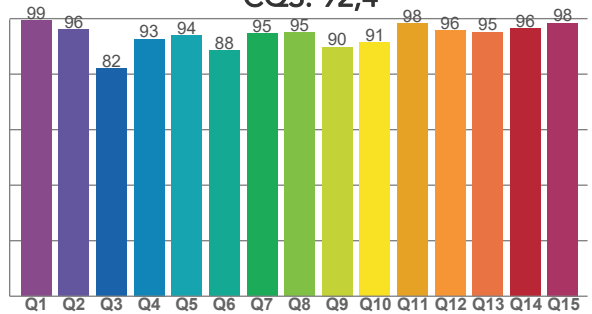
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,1	94,4	94,3	93,2	88,5	87,0	86,0	91,3	93,1	91,9	80,2	89,6	91,2	85,5	82,6	90,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,3	96,0	82,0	92,7	93,9	88,4	94,6	95,0	89,8	91,3	98,3	95,7	95,1	96,5	98,5

CQS: 92,4



COLOR PARAMETERS

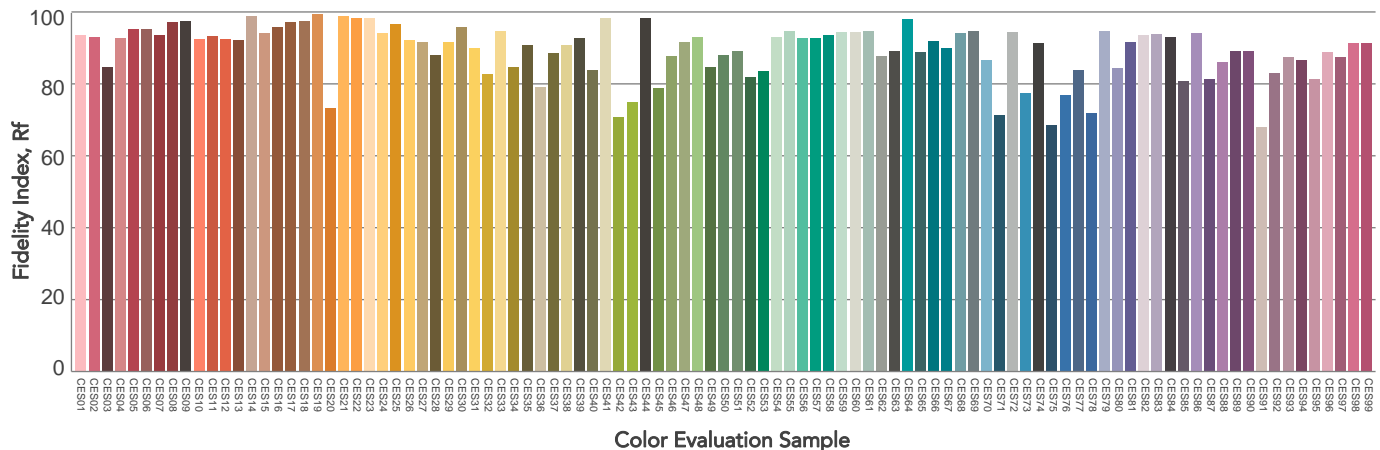
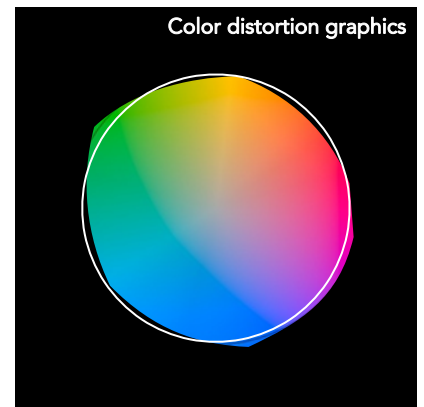
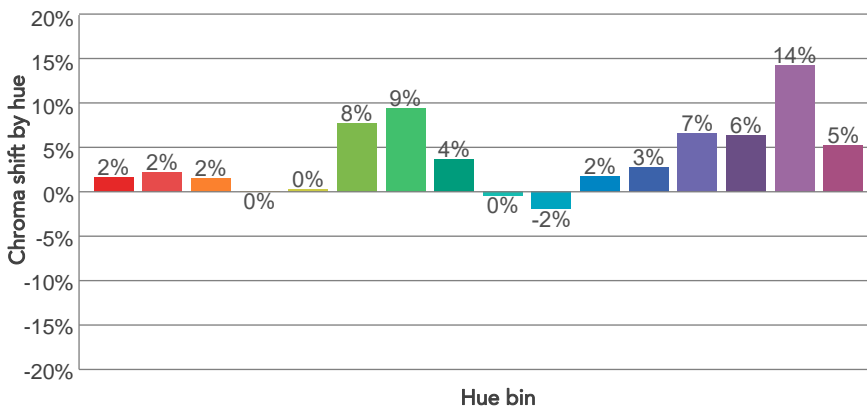
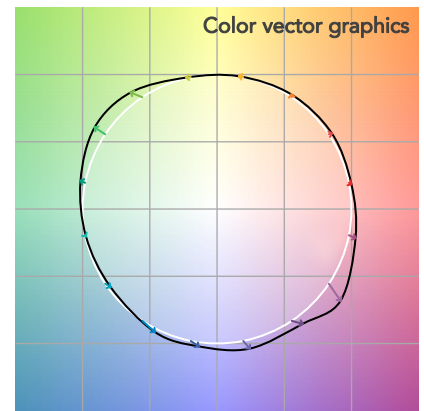
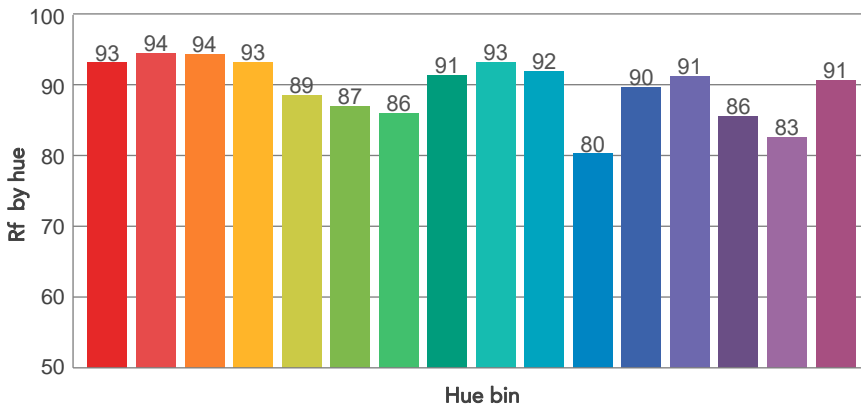
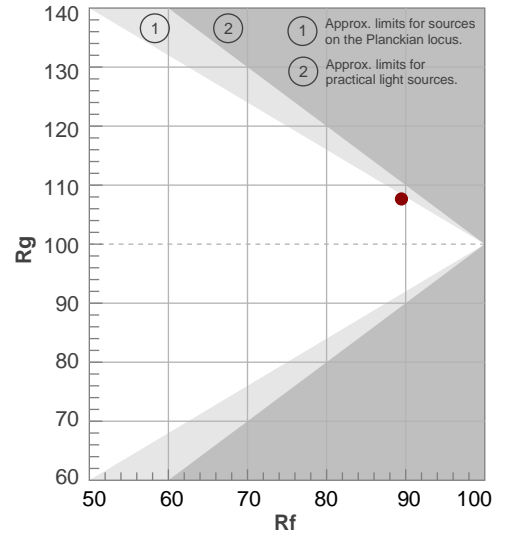
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6004 K	90,4	89,4	89,5	107,7	92,4	86	0,322	0,331	-0,0036

TM30 DETAILS

Rf 89,5
Fidelity index Rf

Rg 107,7
Gammut index

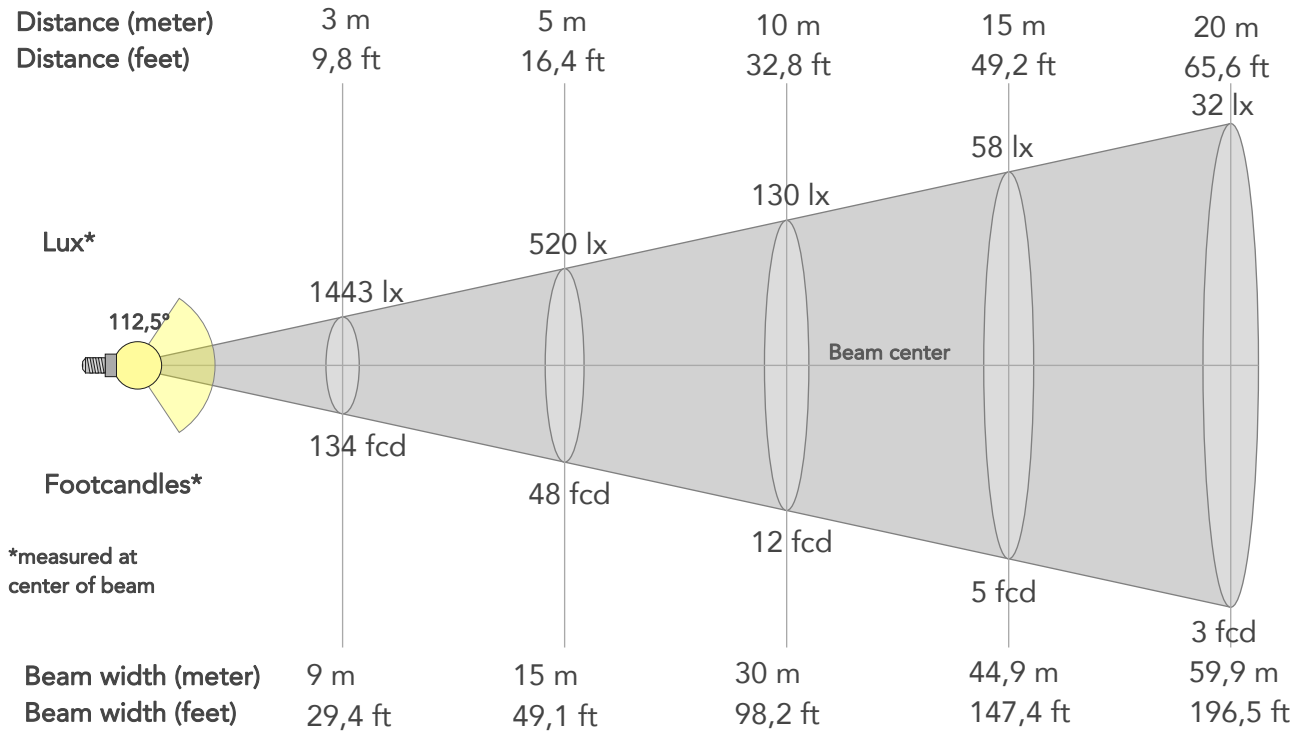
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	2%	-1%
2	94	2%	-1%
3	94	2%	1%
4	93	0%	3%
5	89	0%	3%
6	87	8%	5%
7	86	9%	0%
8	91	4%	-1%
9	93	0%	1%
10	92	-2%	4%
11	80	2%	12%
12	90	3%	6%
13	91	7%	4%
14	86	6%	6%
15	83	14%	-6%
16	91	5%	-1%



BEAM DETAILS



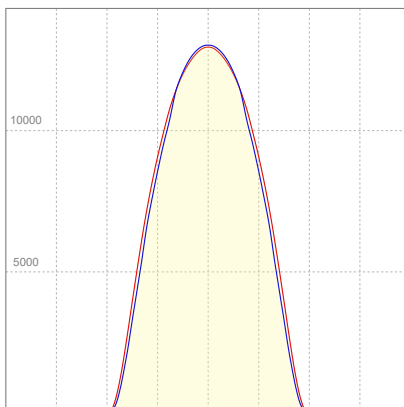
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
112,5°	153,9°	165,9°	82,4%	56,2%



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	12988lx	3247lx	1443lx	812lx	520lx	231lx	130lx	58lx	32lx	21lx	14lx	8lx	5lx
Footcand.	1207fcd	302fcd	134fcd	75fcd	48fcd	21fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	3m	6m	9m	12m	15m	22,5m	30m	44,9m	59,9m	74,9m	89,9m	119,8m	149,8m
Beam wid.	9,9ft	19,8ft	29,4ft	39,2ft	49,1ft	73,7ft	98,2ft	147,4ft	196,5ft	245,6ft	294,7ft	393ft	491,2ft

LINEAR DISTRIBUTION DIAGRAM

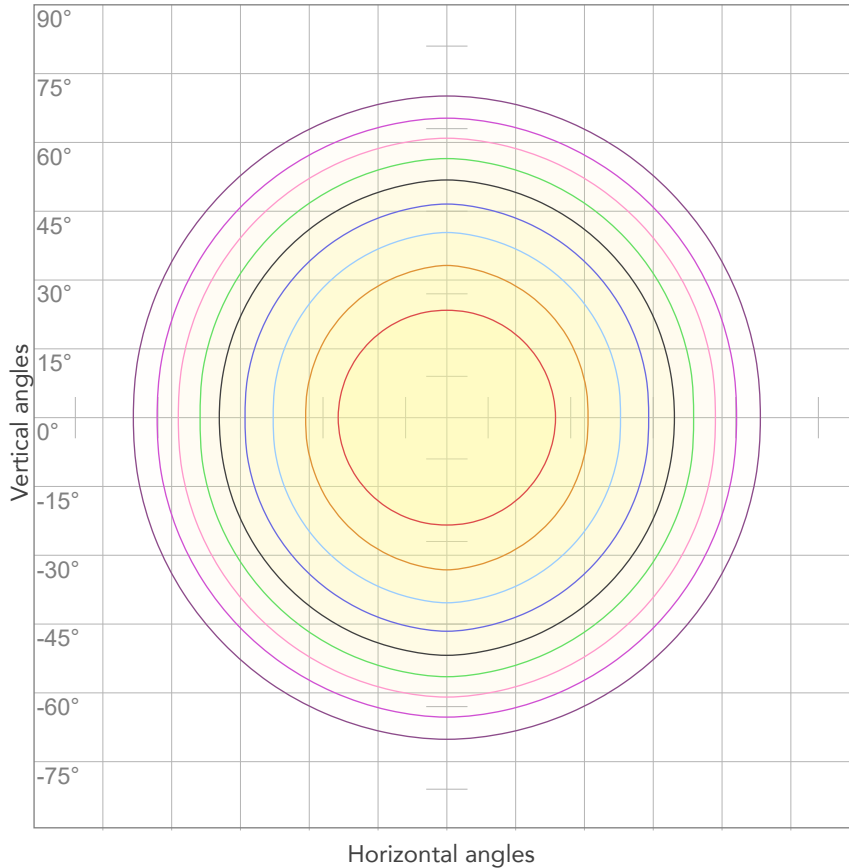


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	1,94A	436,2W	0,99	82lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



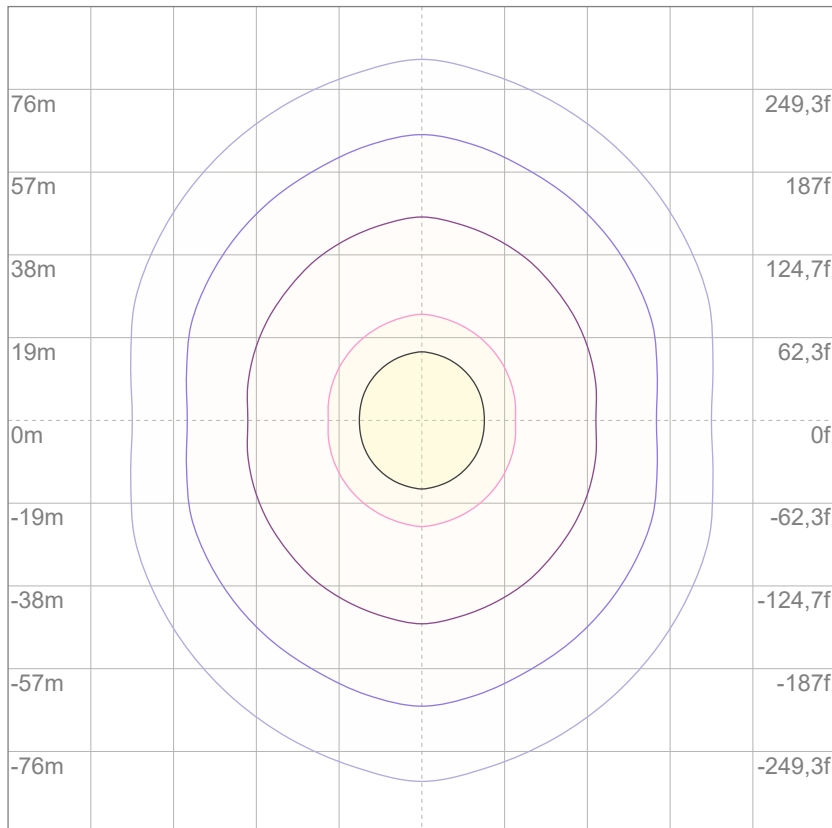
10%	1299 cd
20%	2598 cd
30%	3896 cd
40%	5195 cd
50%	6494 cd
60%	7793 cd
70%	9092 cd
80%	10390 cd

Conditions:

Number of c-planes: 4

Candela at center: 12988 cd

ISO LUX DIAGRAM



3%	3,90 lx
5%	6,49 lx
10%	13,0 lx
30%	39,0 lx
50%	64,9 lx

Conditions:

Number of c-planes: 4

Lux at center: 130 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:

108526 lm

Peak candela output:

56948 cd

Light quality:

CRI: 89,5

Color temperature:

6018 K

PRODUCT NAME:

SUNBLASTFLX

MEASUREMENT CONDITIONS:

Beam angle:

Original Optic

Target:

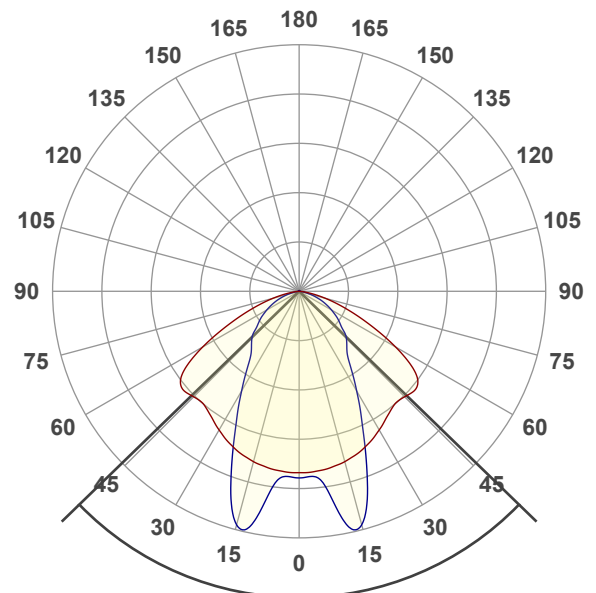
Full On (Plate + Beam) - Strobing Mode

Operator:

Salvatore Giglio

Date and time:

10/10/2024 14:46:05

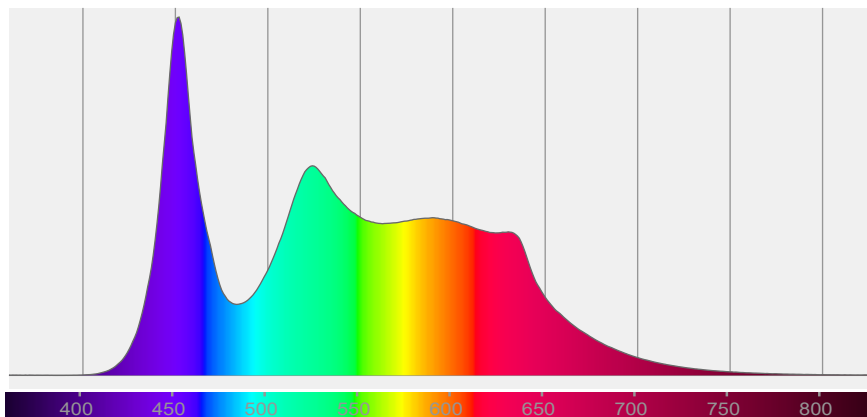


Beam angle 50%: 91,7°

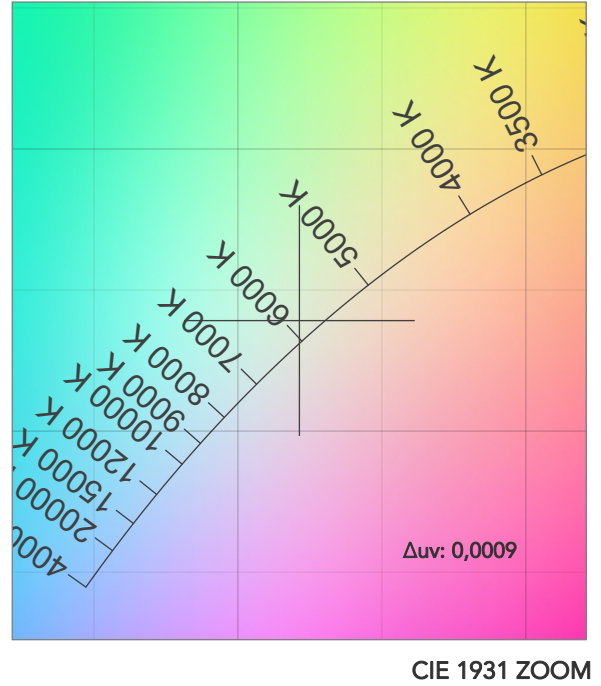
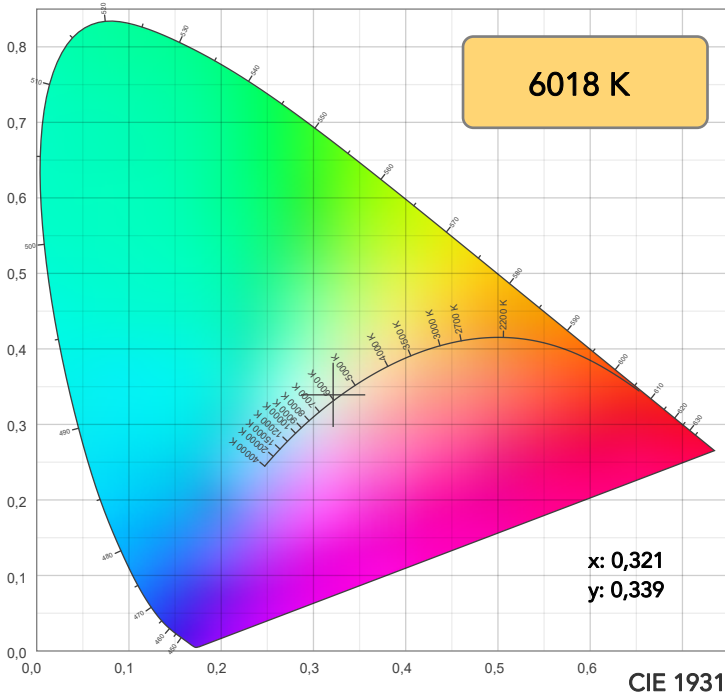
Field angle 10%: 144,9°

Cut off angle 2.5%: 162,1°

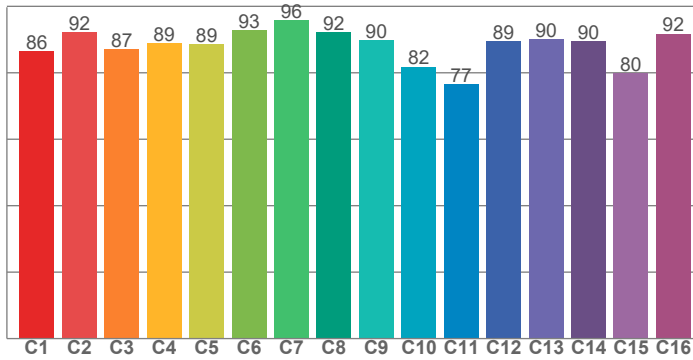
Spectra



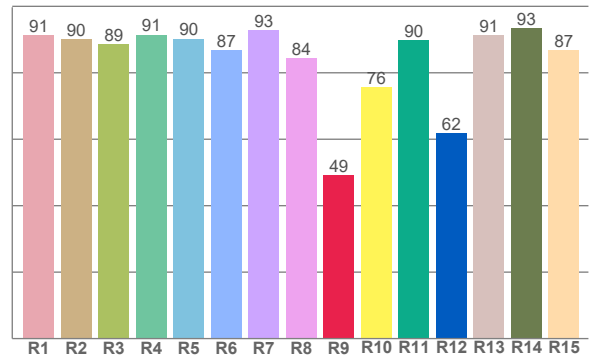
COLOR DETAILS



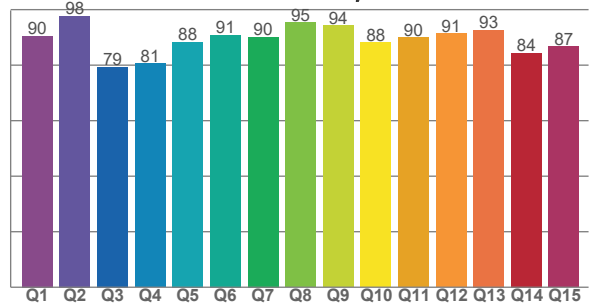
TM30: 87,9



CRI: 89,5 (R1-R8)



CQS: 88,3



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
91,4	90,2	88,6	91,4	90,2	86,8	92,7	84,3	49,2	75,7	89,8	61,8	91,3	93,4	86,8

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
86,5	92,2	87,1	88,8	88,5	92,8	95,8	92,1	89,7	81,8	76,5	89,4	90,1	89,5	79,9	91,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90,5	97,6	79,3	80,6	88,3	90,8	90,2	95,3	94,2	88,1	90,0	91,4	92,7	84,3	86,7

COLOR PARAMETERS

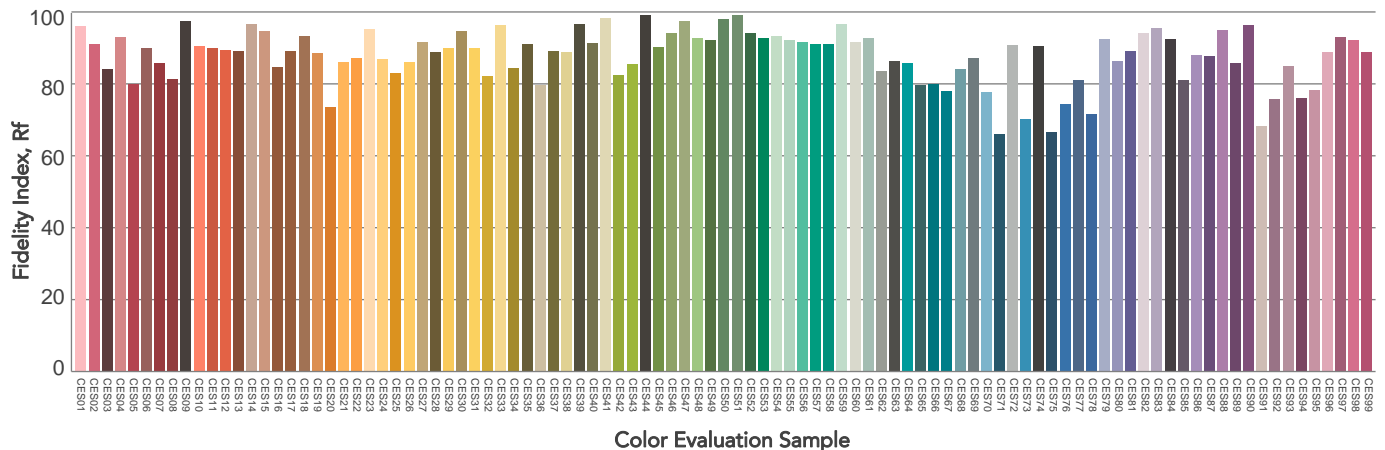
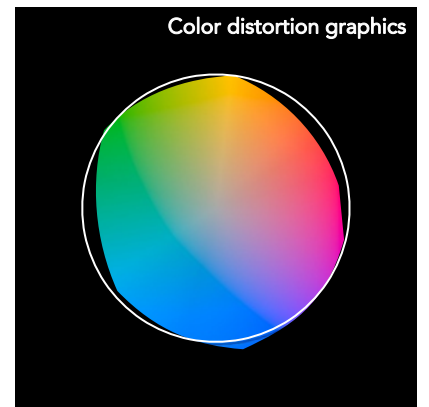
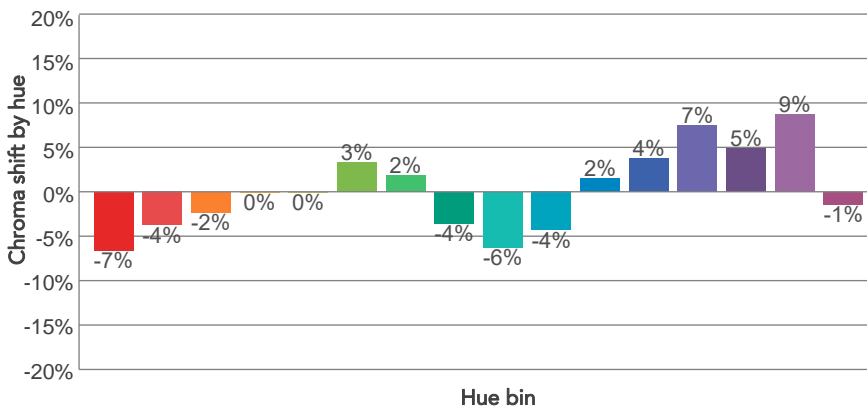
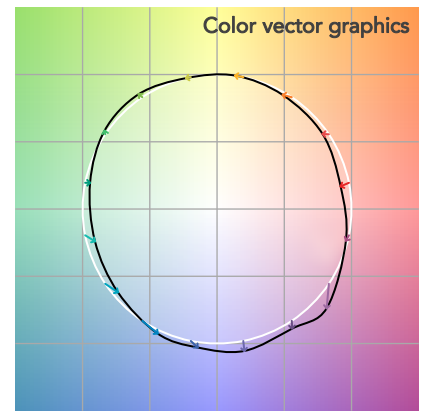
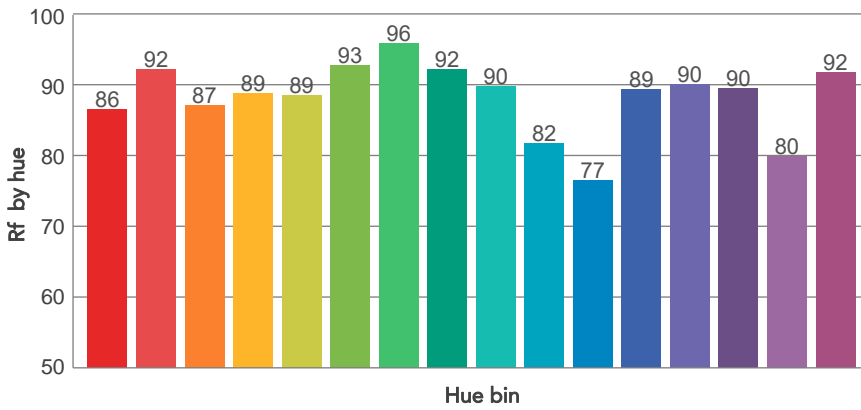
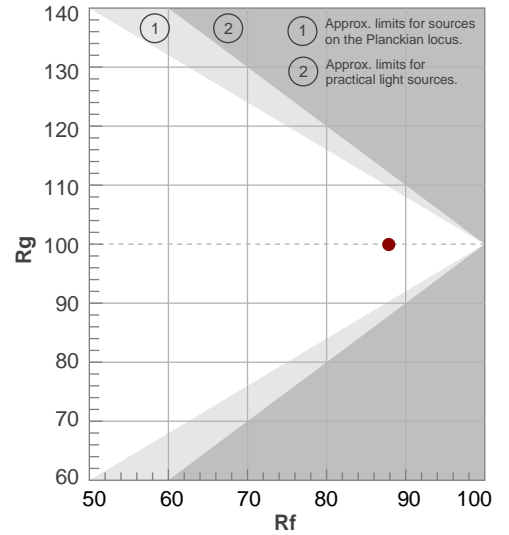
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6018 K	89,5	49,2	87,9	99,9	88,3	88	0,321	0,339	0,0009

TM30 DETAILS

Rf 87,9
Fidelity index Rf

Rg 99,9
Gammut index

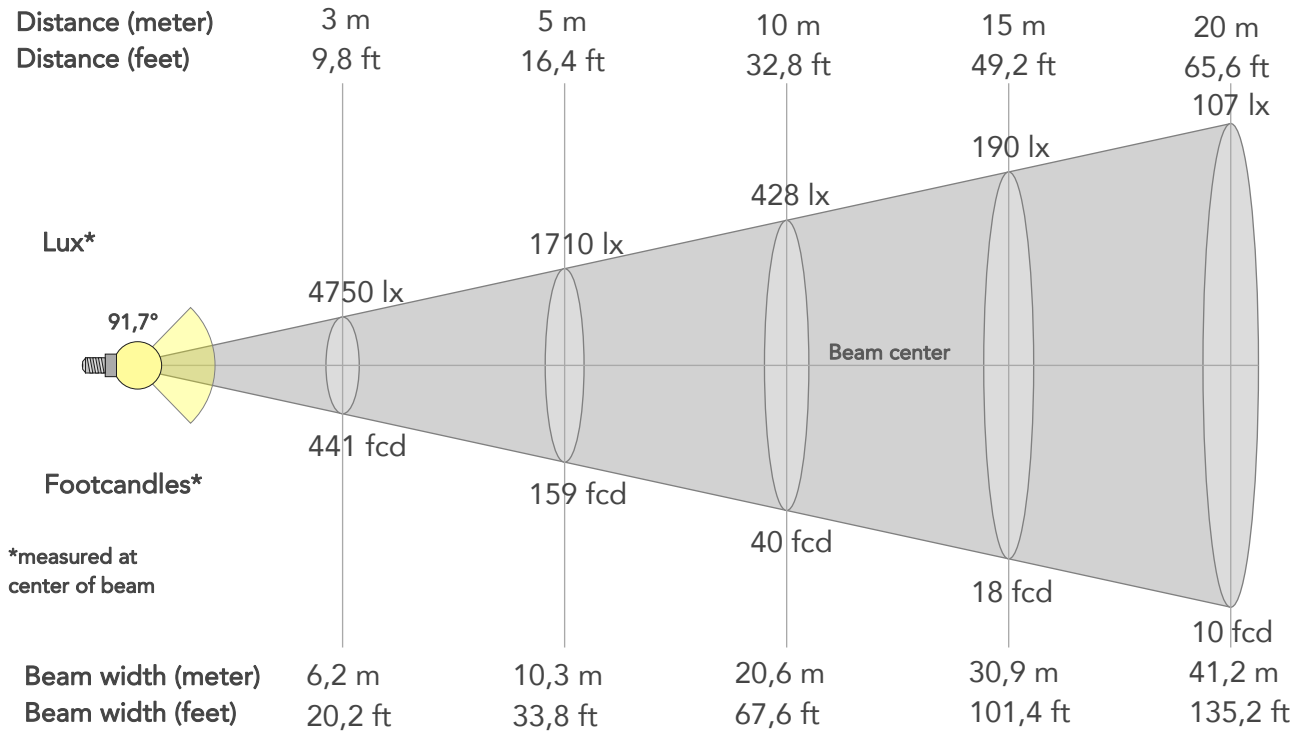
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	86	-7%	-1%
2	92	-4%	3%
3	87	-2%	7%
4	89	0%	6%
5	89	0%	4%
6	93	3%	1%
7	96	2%	-2%
8	92	-4%	-1%
9	90	-6%	6%
10	82	-4%	11%
11	77	2%	15%
12	89	4%	6%
13	90	7%	-1%
14	90	5%	-3%
15	80	9%	-16%
16	92	-1%	-4%



BEAM DETAILS



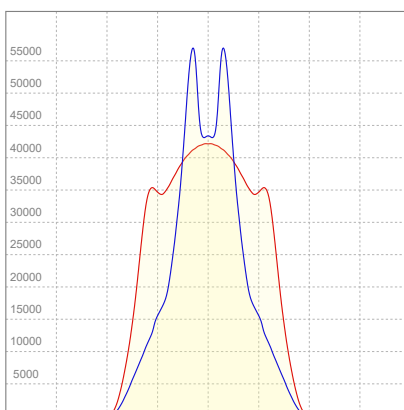
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
91,7°	144,9°	162,1°	83,7%	56,8%



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	42754lx	10689lx	4750lx	2672lx	1710lx	760lx	428lx	190lx	107lx	68lx	48lx	27lx	17lx
Footcand.	3972fcd	993fcd	441fcd	248fcd	159fcd	71fcd	40fcd	18fcd	10fcd	6fcd	4fcd	2fcd	2fcd
Beam wid.	2,1m	4,1m	6,2m	8,2m	10,3m	15,5m	20,6m	30,9m	41,2m	51,5m	61,8m	82,5m	103,1m
Beam wid.	6,8ft	13,6ft	20,2ft	27ft	33,8ft	50,7ft	67,6ft	101,4ft	135,2ft	169,1ft	202,9ft	270,5ft	338,1ft

LINEAR DISTRIBUTION DIAGRAM

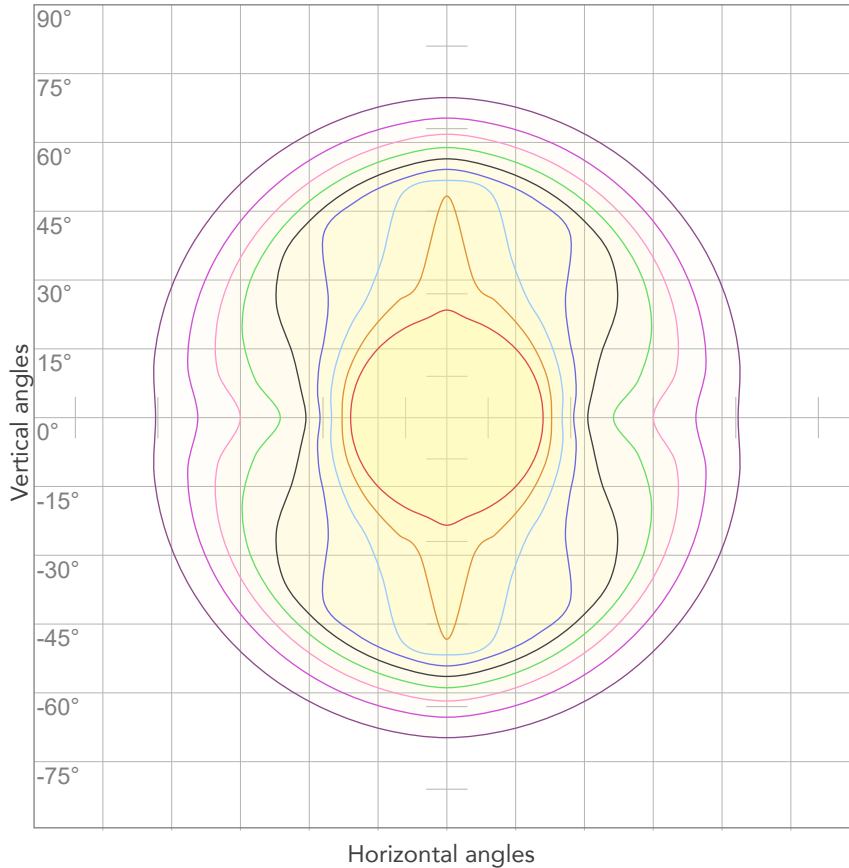


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
223V	5,64A	1256,8W	1,0	86lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



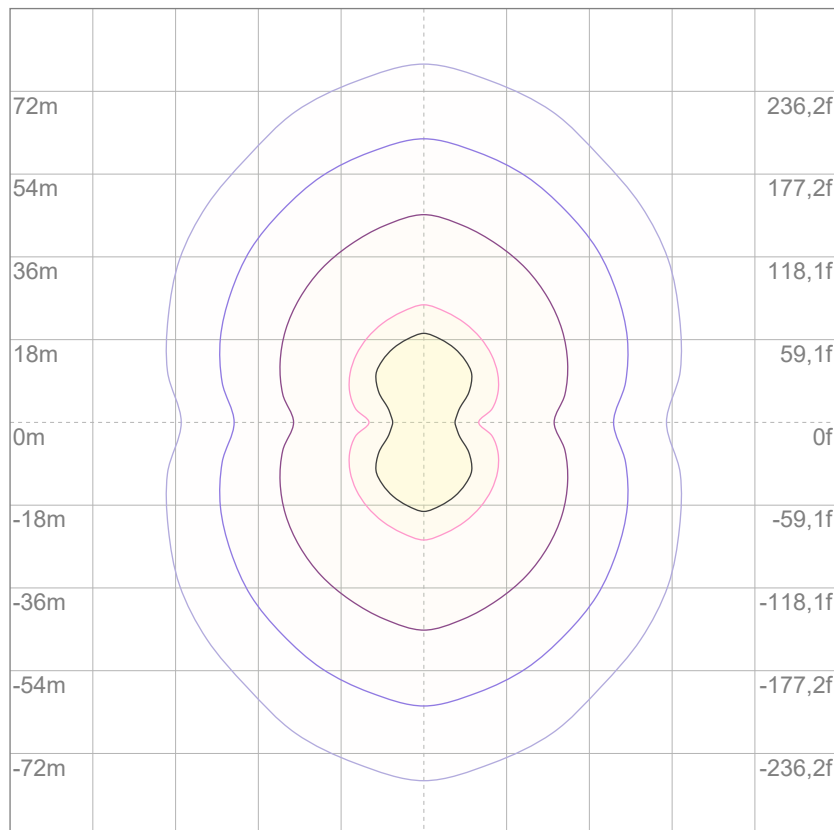
10%	4275 cd
20%	8551 cd
30%	12826 cd
40%	17102 cd
50%	21377 cd
60%	25653 cd
70%	29928 cd
80%	34203 cd

Conditions:

Number of c-planes: 4

Candela at center: 42754 cd

ISO LUX DIAGRAM



3%	12,8 lx
5%	21,4 lx
10%	42,8 lx
30%	128 lx
50%	214 lx

Conditions:

Number of c-planes: 4

Lux at center: 428 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:

65009 lm

Peak candela output:

44874 cd

Light quality:

CRI: 81,9

Color temperature:

5686 K

PRODUCT NAME:

SUNBLASTFLX

MEASUREMENT CONDITIONS:

Beam angle:

Original Optic

Target:

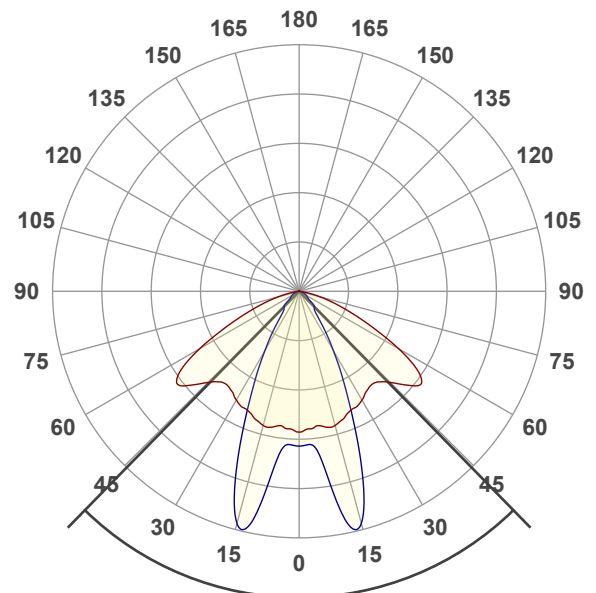
Beam - Strobing Mode

Operator:

Salvatore Giglio

Date and time:

15/10/2024 16:16:12

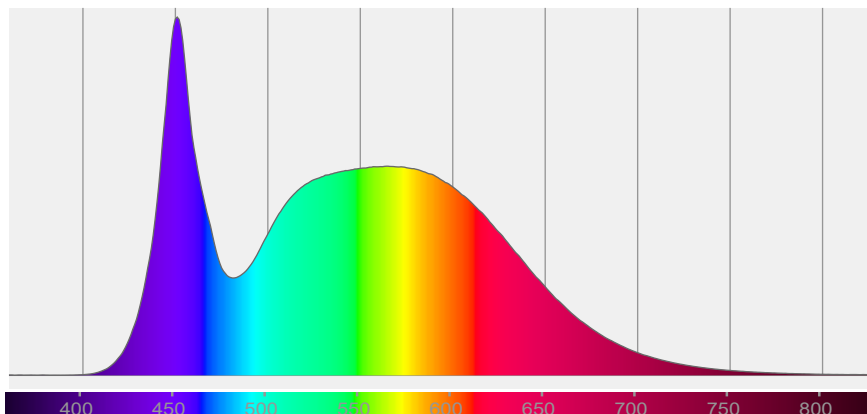


Beam angle 50%: 88,8°

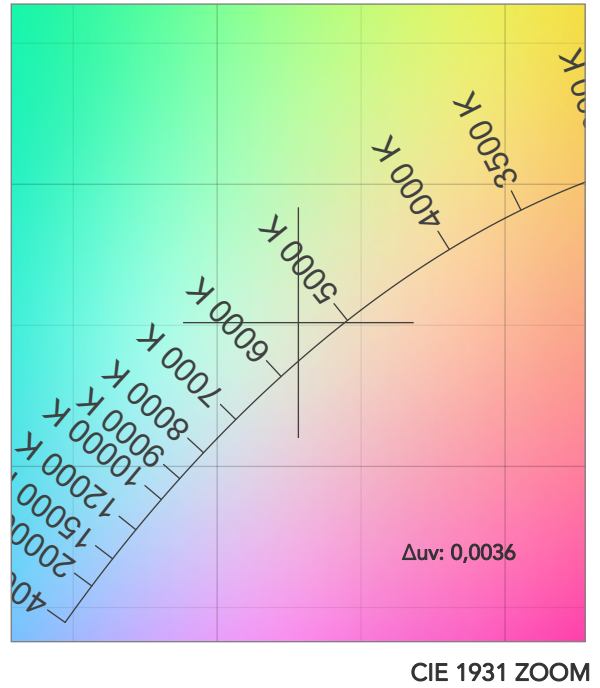
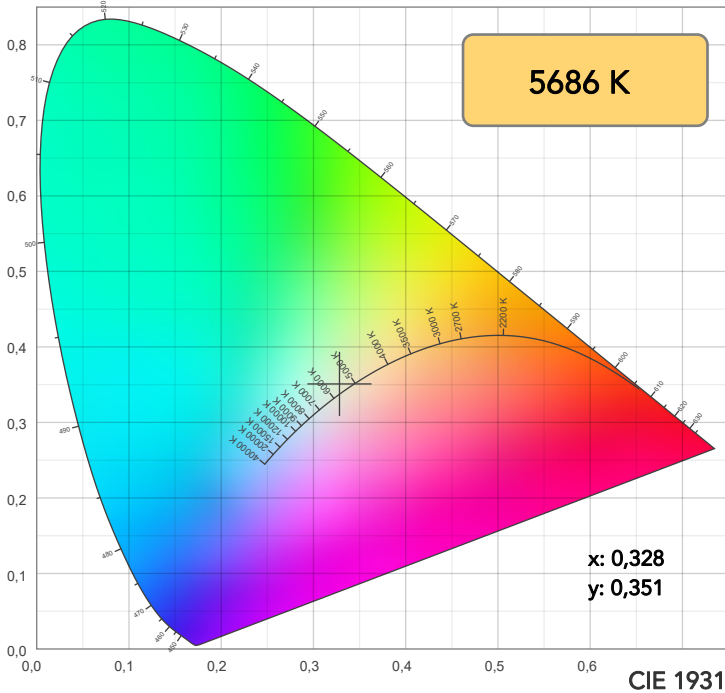
Field angle 10%: 116,4°

Cut off angle 2.5%: 148,6°

Spectra

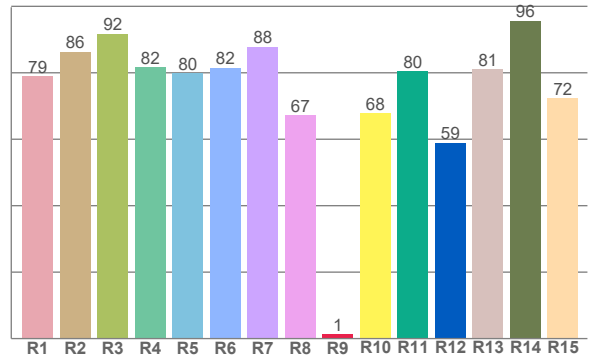
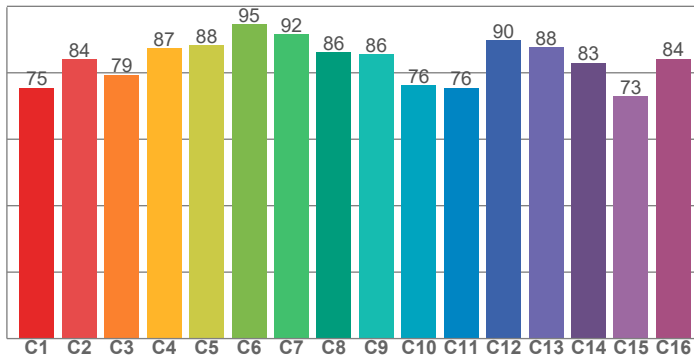


COLOR DETAILS



TM30: 83,7

CRI: 81,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
79,1	86,4	91,8	81,6	79,9	81,5	87,9	67,3	1,4	67,9	80,4	59,0	81,0	95,7	72,5

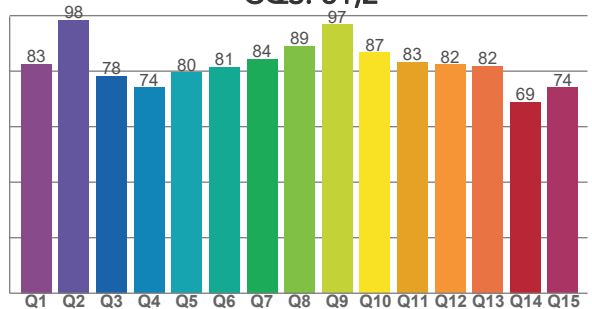
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
75,4	84,1	79,4	87,3	88,3	94,6	91,5	86,1	85,5	76,2	75,5	89,7	87,6	83,1	72,8	84,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
82,6	98,4	78,3	74,2	79,5	81,5	84,3	89,1	96,8	86,7	83,2	82,3	81,9	69,0	74,2

CQS: 81,2



COLOR PARAMETERS

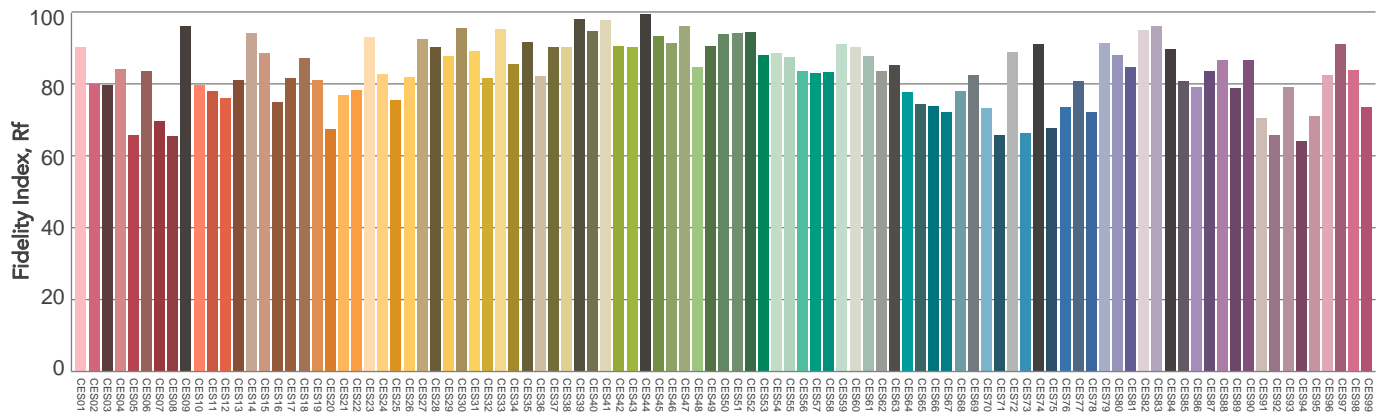
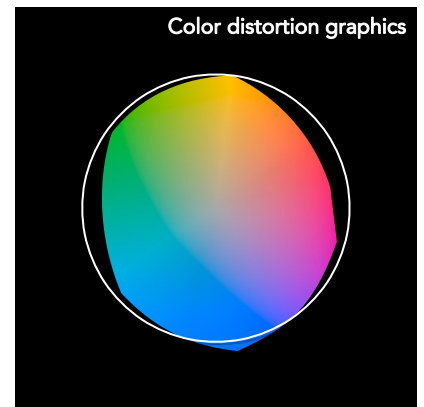
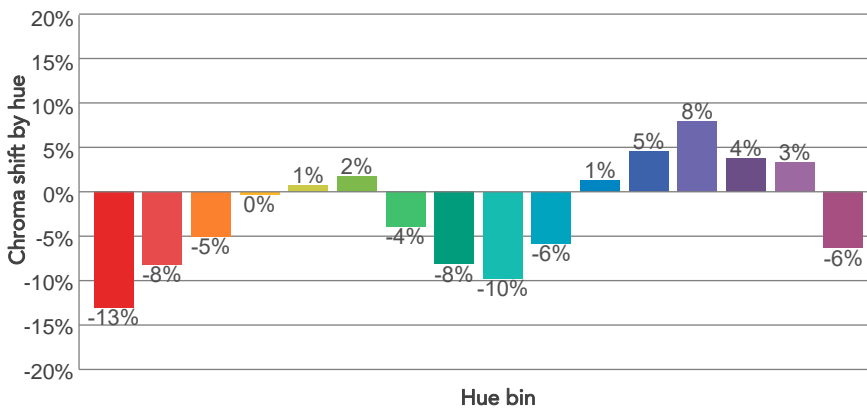
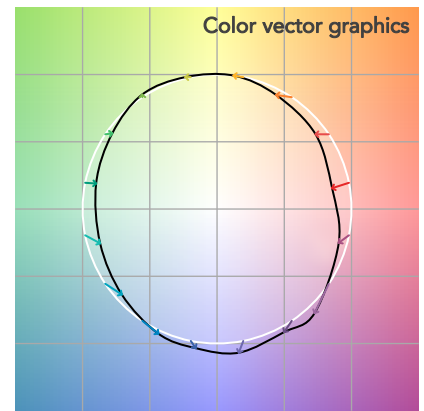
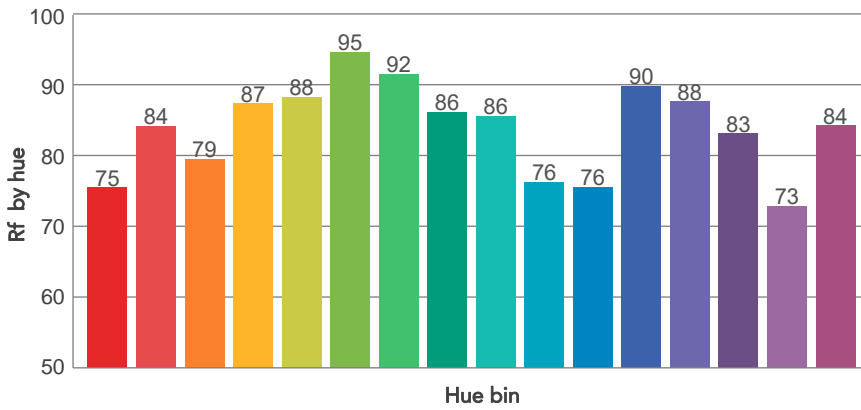
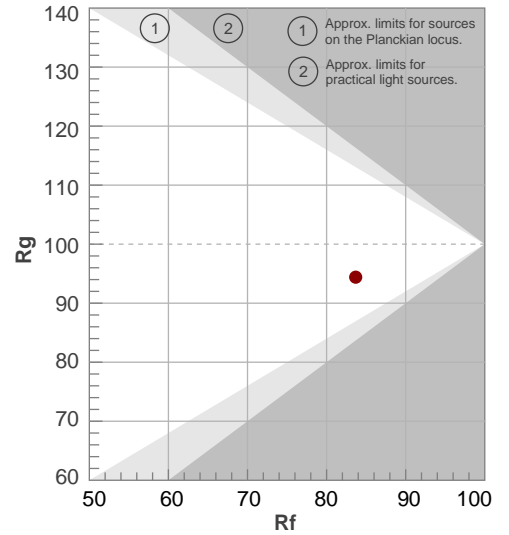
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5686 K	81,9	1,4	83,7	94,4	81,2	75	0,328	0,351	0,0036

TM30 DETAILS

Rf 83,7
Fidelity index Rf

Rg 94,4
Gammut index

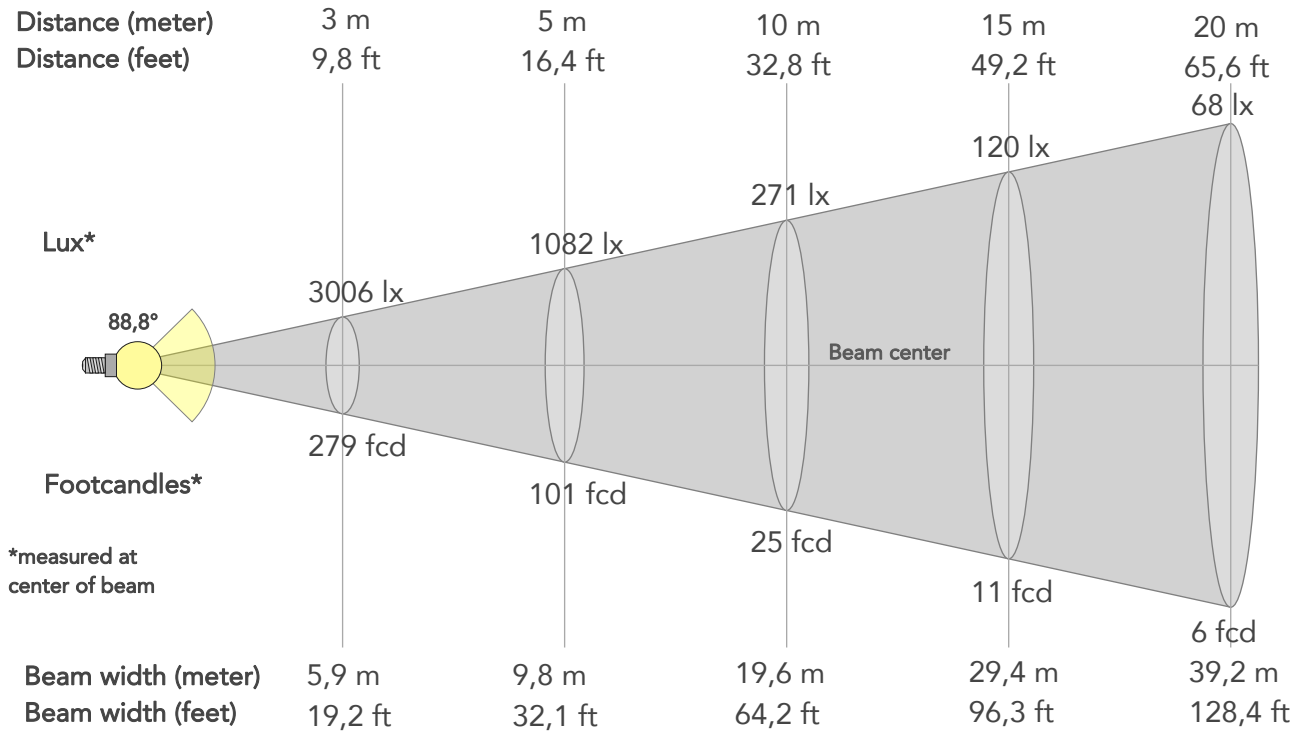
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	75	-13%	-1%
2	84	-8%	6%
3	79	-5%	11%
4	87	0%	7%
5	88	1%	4%
6	95	2%	-1%
7	92	-4%	-4%
8	86	-8%	-1%
9	86	-10%	8%
10	76	-6%	14%
11	76	1%	15%
12	90	5%	5%
13	88	8%	-5%
14	83	4%	-9%
15	73	3%	-24%
16	84	-6%	-7%



BEAM DETAILS



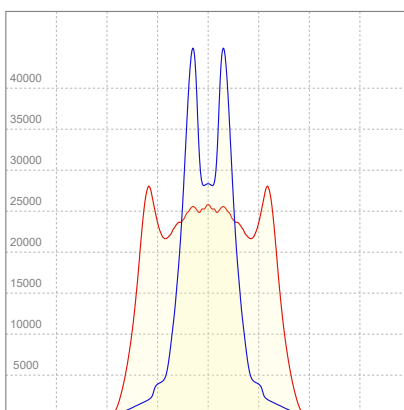
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
88,8°	116,4°	148,6°	84,2%	56,1%



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	27056lx	6764lx	3006lx	1691lx	1082lx	481lx	271lx	120lx	68lx	43lx	30lx	17lx	11lx
Footcand.	2514fcd	628fcd	279fcd	157fcd	101fcd	45fcd	25fcd	11fcd	6fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	2m	3,9m	5,9m	7,8m	9,8m	14,7m	19,6m	29,4m	39,2m	48,9m	58,7m	78,3m	97,9m
Beam wid.	6,5ft	12,9ft	19,2ft	25,6ft	32,1ft	48,2ft	64,2ft	96,3ft	128,4ft	160,5ft	192,6ft	256,8ft	321,1ft

LINEAR DISTRIBUTION DIAGRAM

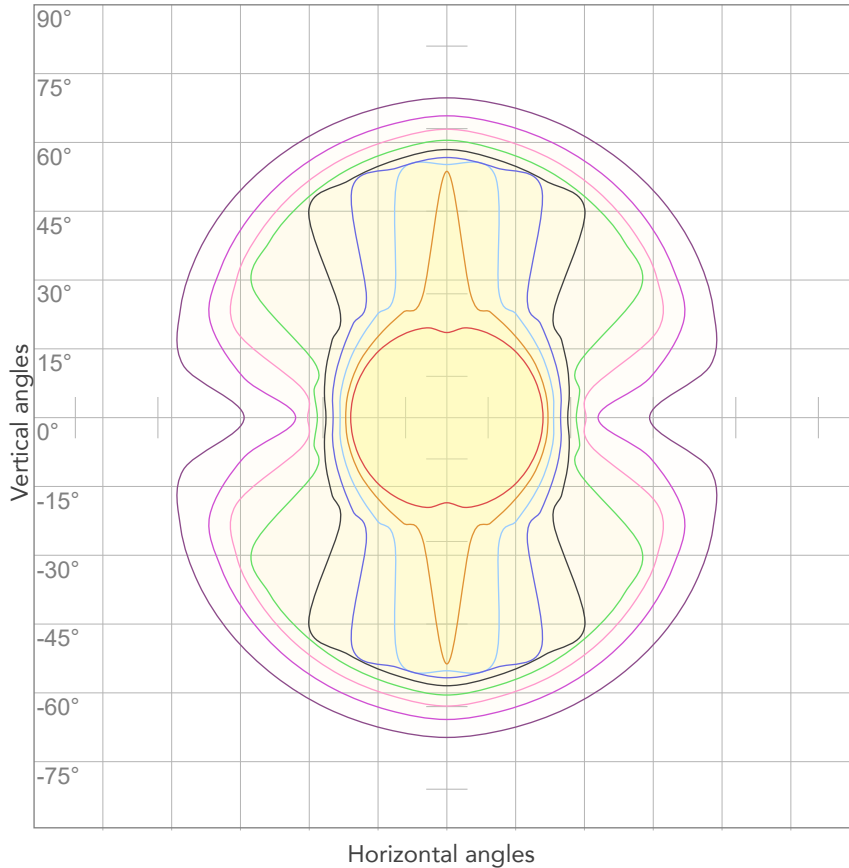


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	2,94A	656,5W	1,0	99lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



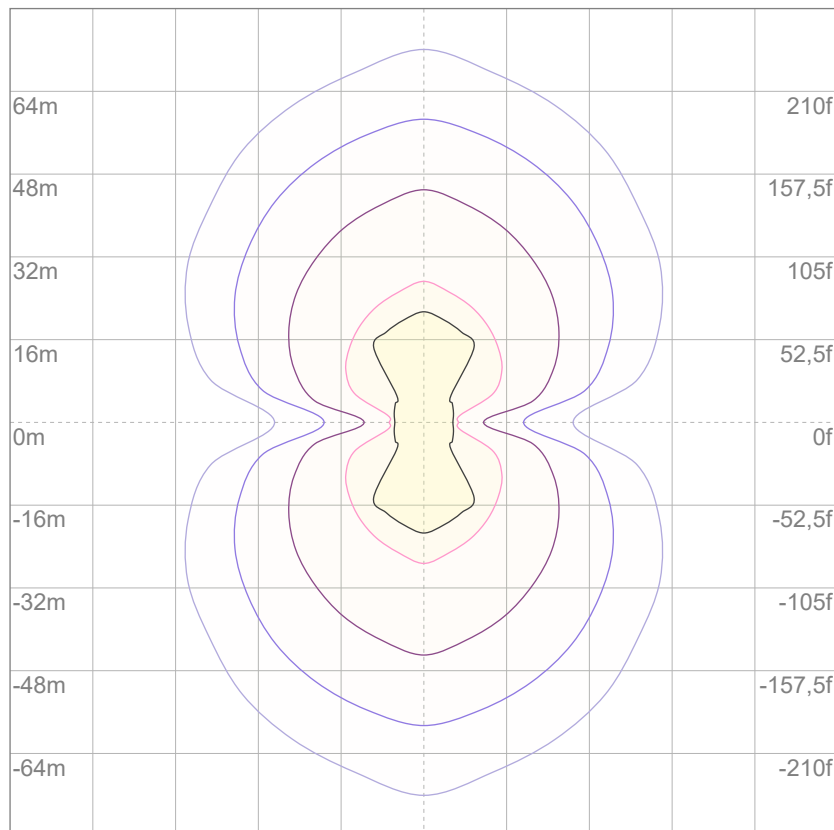
10%	2706 cd
20%	5411 cd
30%	8117 cd
40%	10822 cd
50%	13528 cd
60%	16233 cd
70%	18939 cd
80%	21645 cd

Conditions:

Number of c-planes: 4

Candela at center: 27056 cd

ISO LUX DIAGRAM



3%	8,12 lx
5%	13,5 lx
10%	27,1 lx
30%	81,2 lx
50%	135 lx

Conditions:

Number of c-planes: 4

Lux at center: 271 lx

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



Total lumen output:

65734 lm

Peak candela output:

23587 cd

Light quality:

CRI: 89,2

Color temperature:

6802 K

PRODUCT NAME:

SUNBLASTFLX

MEASUREMENT CONDITIONS:

Beam angle:

Original Optic

Target:

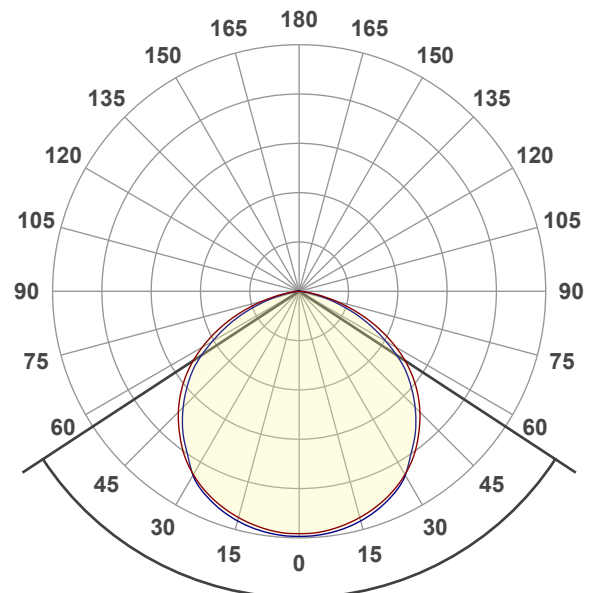
Plate - Strobing Mode

Operator:

Salvatore Giglio

Date and time:

15/10/2024 16:00:31

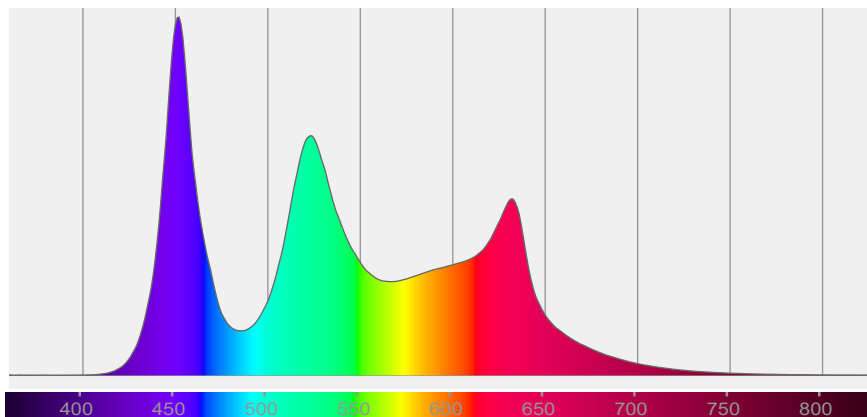


Beam angle 50%: 113,5°

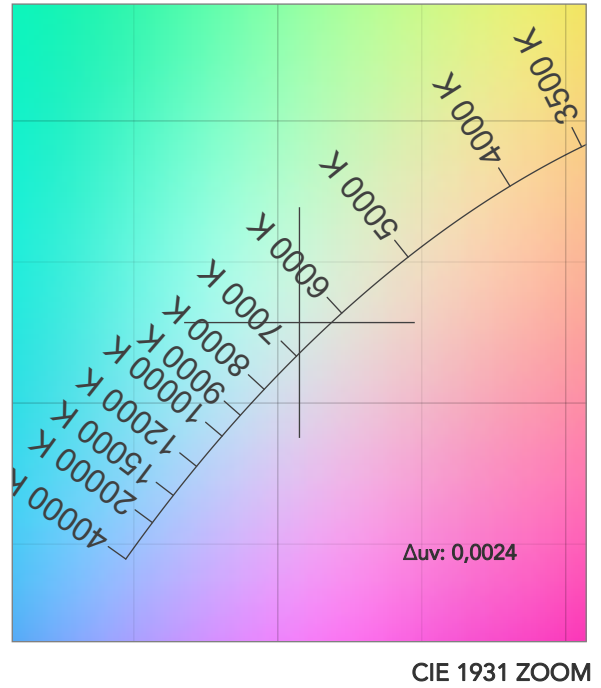
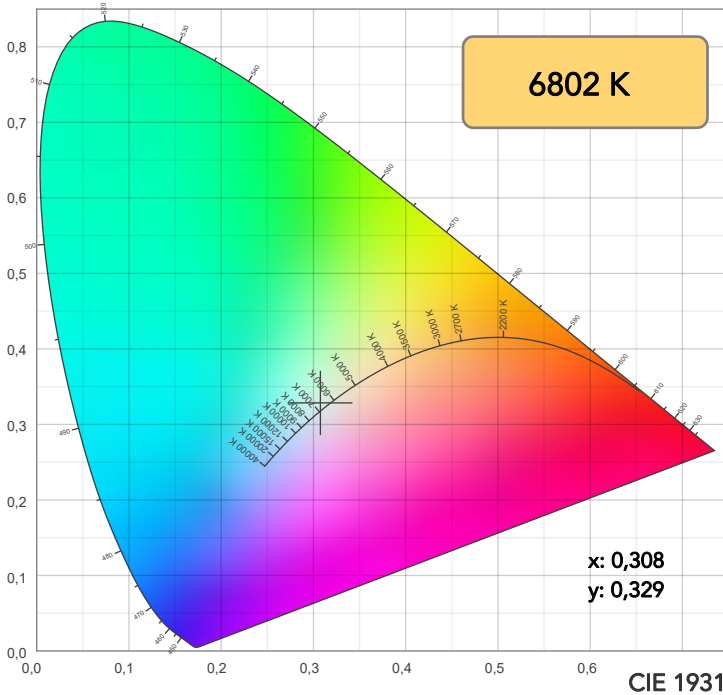
Field angle 10%: 154,3°

Cut off angle 2.5%: 166,1°

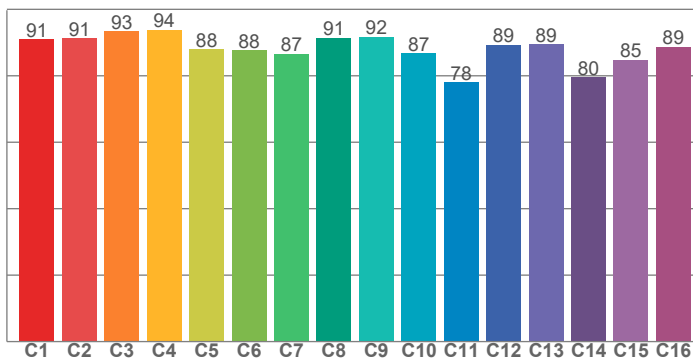
Spectra



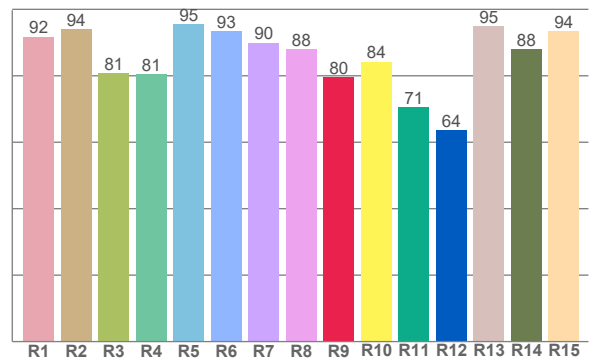
COLOR DETAILS



TM30: 88,7



CRI: 89,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
91,8	94,1	80,8	80,5	95,4	93,3	89,9	87,9	79,5	84,2	70,5	63,5	95,0	88,1	93,5

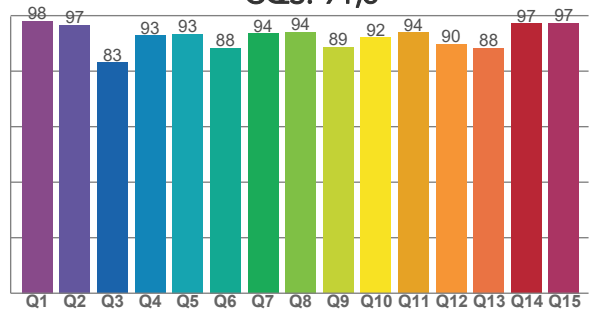
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,9	91,3	93,5	93,9	87,9	87,7	86,6	91,4	91,7	86,7	78,0	89,3	89,4	79,5	84,9	88,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,0	96,6	83,1	92,8	93,4	88,3	93,6	94,1	88,6	92,1	94,0	89,7	88,4	97,2	97,3

CQS: 91,5



COLOR PARAMETERS

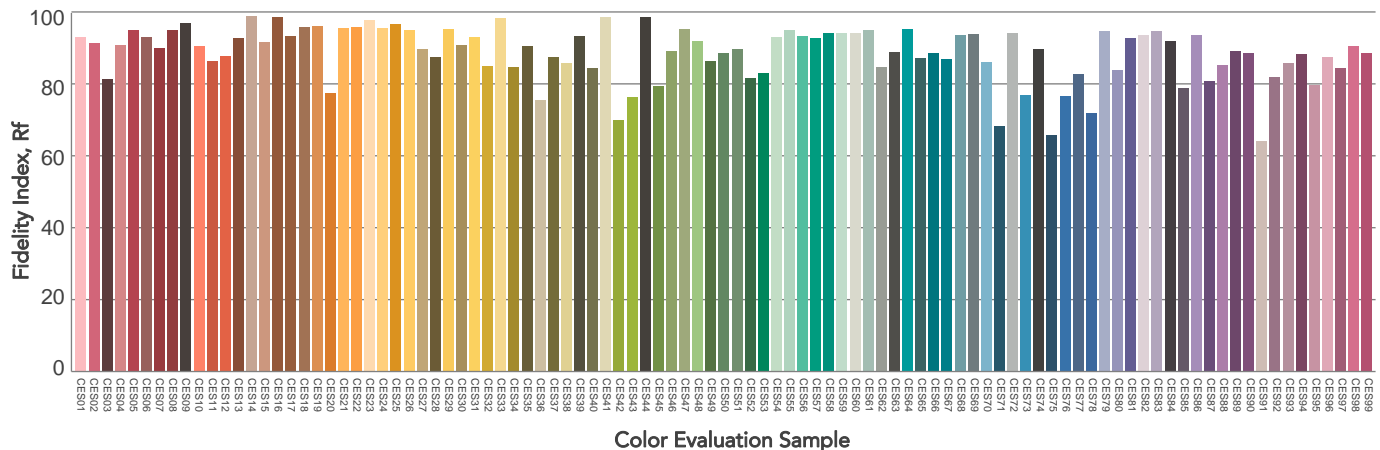
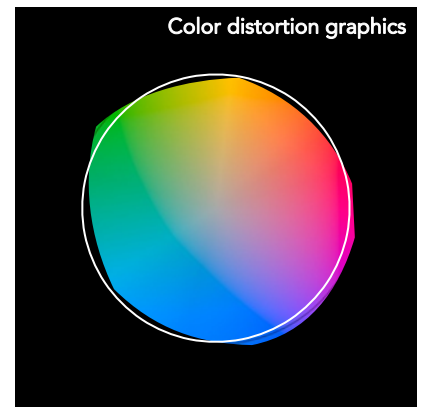
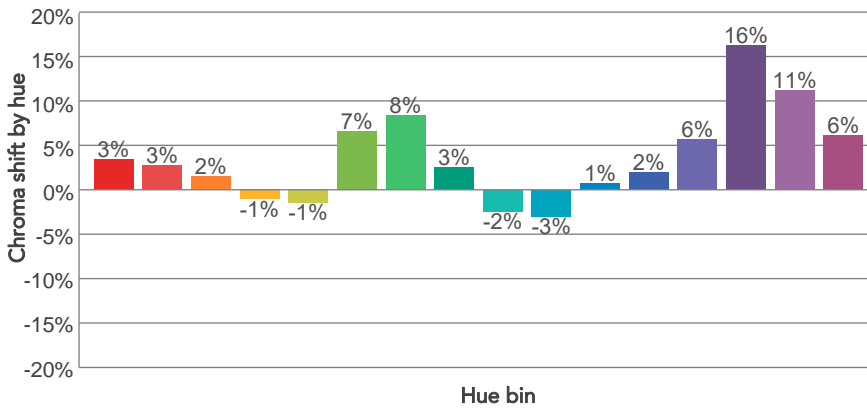
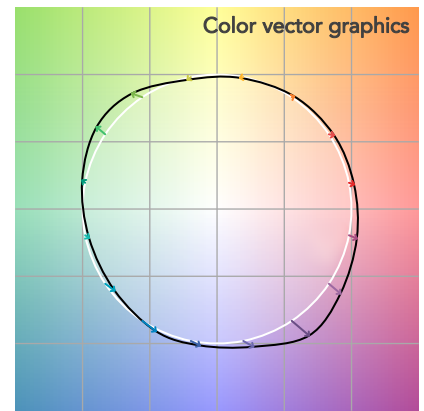
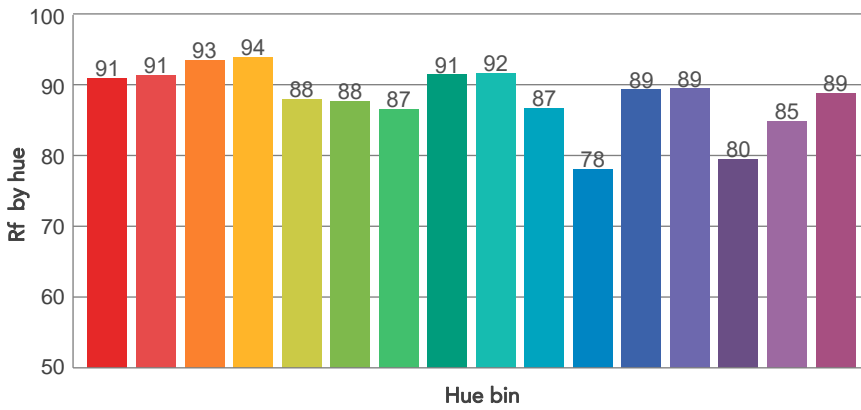
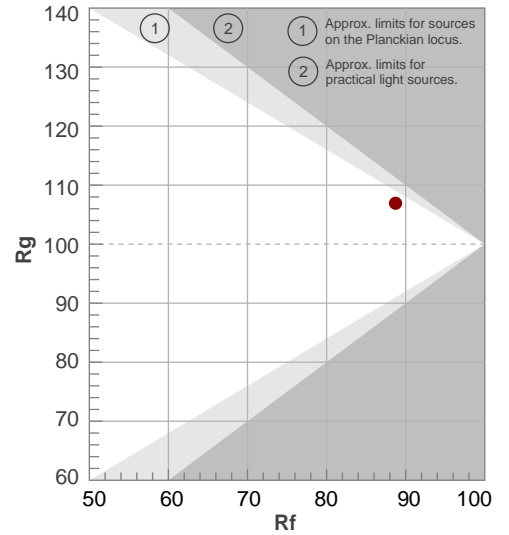
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6802 K	89,2	79,5	88,7	106,9	91,5	85	0,308	0,329	0,0024

TM30 DETAILS

Rf 88,7
Fidelity index Rf

Rg 106,9
Gammut index

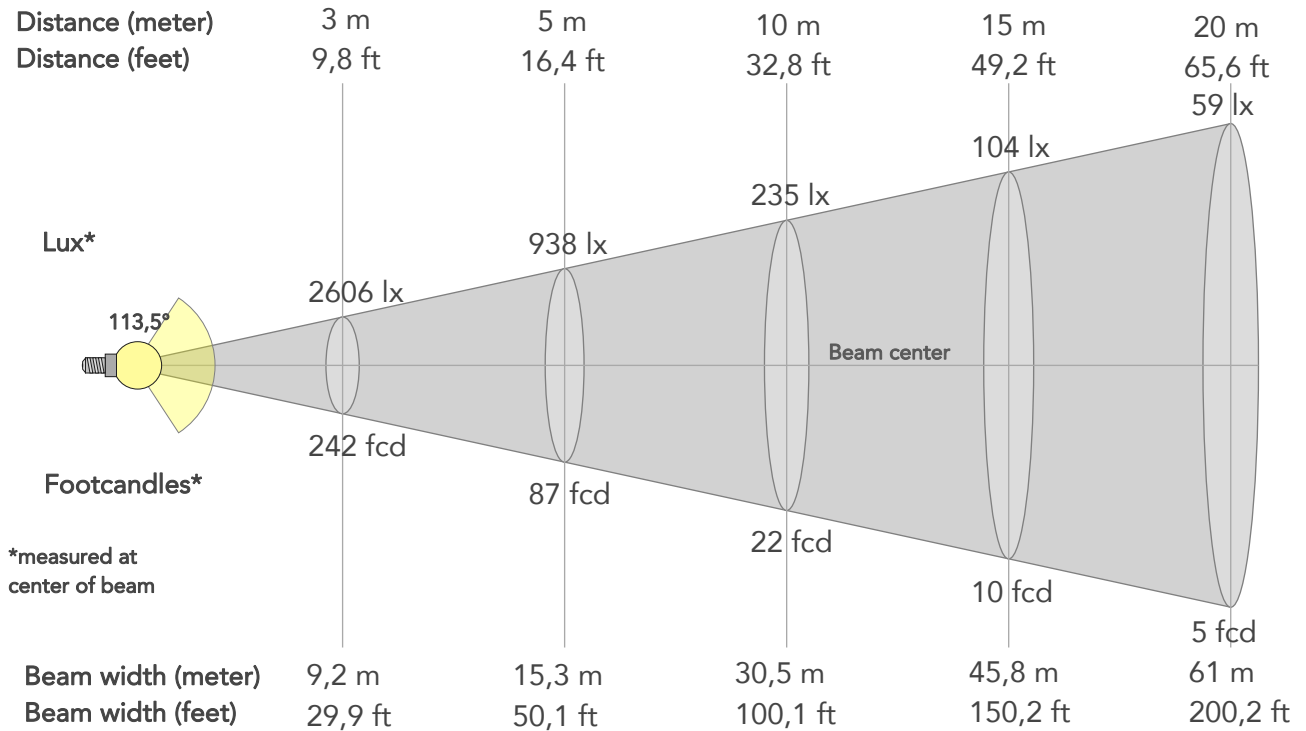
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	3%	-2%
2	91	3%	-3%
3	93	2%	-1%
4	94	-1%	2%
5	88	-1%	3%
6	88	7%	5%
7	87	8%	-1%
8	91	3%	-1%
9	92	-2%	2%
10	87	-3%	8%
11	78	1%	13%
12	89	2%	7%
13	89	6%	6%
14	80	16%	5%
15	85	11%	-1%
16	89	6%	-1%



BEAM DETAILS



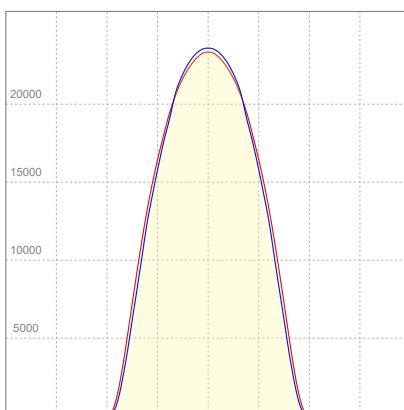
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
113,5°	154,3°	166,1°	82,1%	55,8%



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	23458lx	5864lx	2606lx	1466lx	938lx	417lx	235lx	104lx	59lx	38lx	26lx	15lx	9lx
Footcand.	2179fcd	545fcd	242fcd	136fcd	87fcd	39fcd	22fcd	10fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	3,1m	6,1m	9,2m	12,2m	15,3m	22,9m	30,5m	45,8m	61m	76,3m	91,6m	122,1m	152,6m
Beam wid.	10,1ft	20,1ft	29,9ft	40ft	50,1ft	75,1ft	100,1ft	150,2ft	200,2ft	250,3ft	300,3ft	400,4ft	500,5ft

LINEAR DISTRIBUTION DIAGRAM

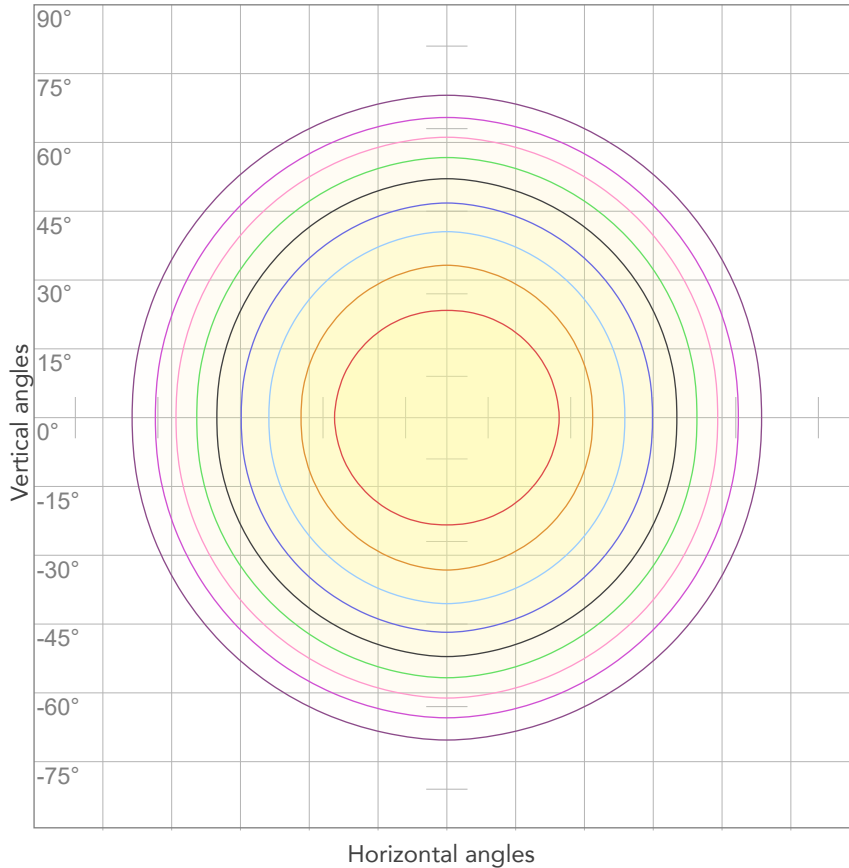


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	3,82A	856,9W	1,0	77lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



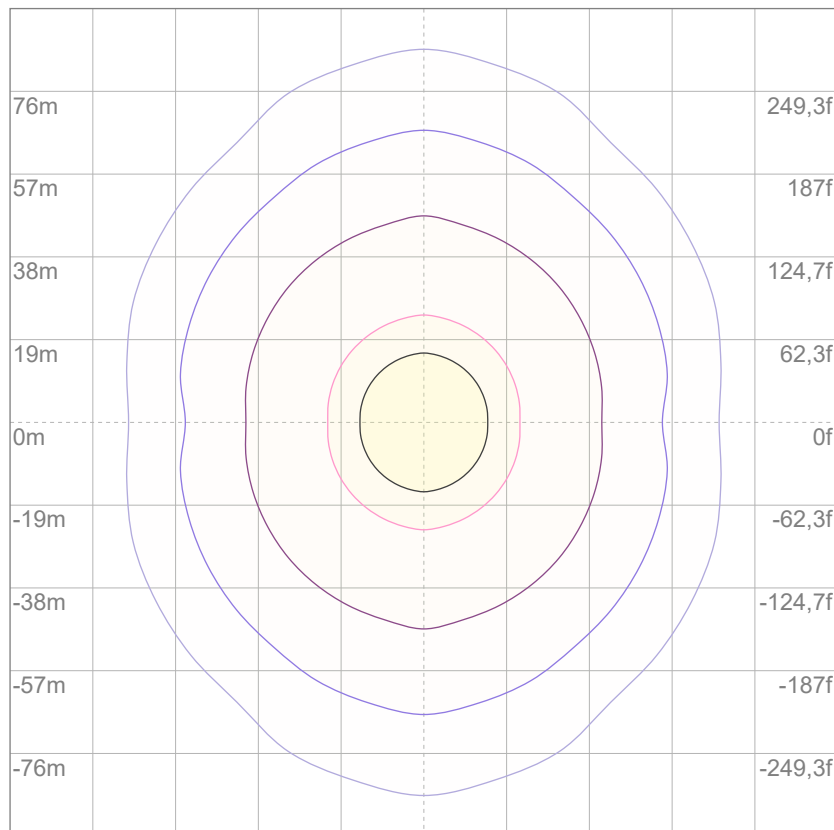
10%	2346 cd
20%	4692 cd
30%	7037 cd
40%	9383 cd
50%	11729 cd
60%	14075 cd
70%	16420 cd
80%	18766 cd

Conditions:

Number of c-planes: 4

Candela at center: 23458 cd

ISO LUX DIAGRAM



3%	7,04 lx
5%	11,7 lx
10%	23,5 lx
30%	70,4 lx
50%	117 lx

Conditions:

Number of c-planes: 4

Lux at center: 235 lx

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

Mounting height: 10 meters (33 feet)