

Photometric Test Report



Jet Spot120

120W Spot Moving head, with 9° - 46° zoom

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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:

5686 lm

Peak candela output:

17026 cd

Light quality:

CRI: 69,0

Color temperature:

7500 K

PRODUCT NAME:

JETSPOT120

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

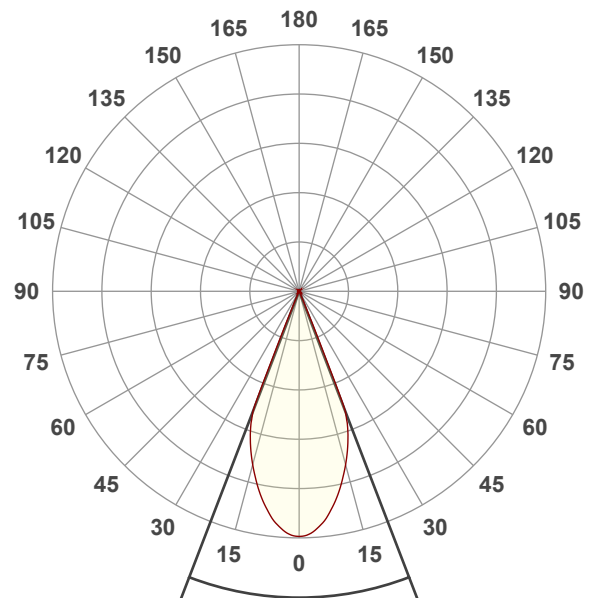
Full On

Operator:

Salvatore Giglio

Date and time:

17/12/2024 15:40:13

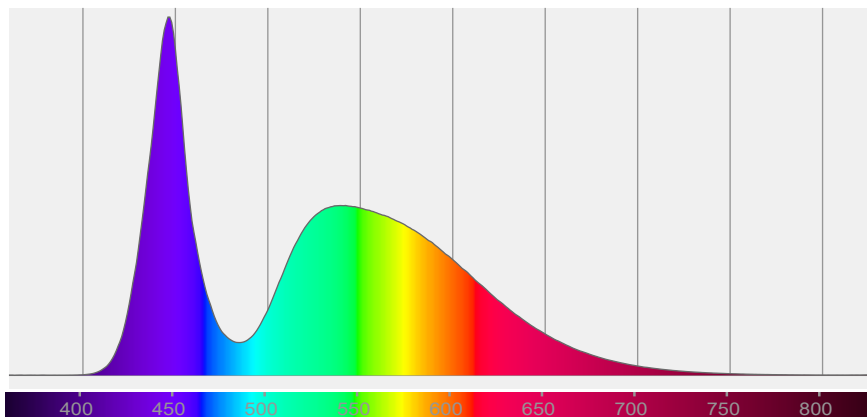


Beam angle 50%: 42,1°

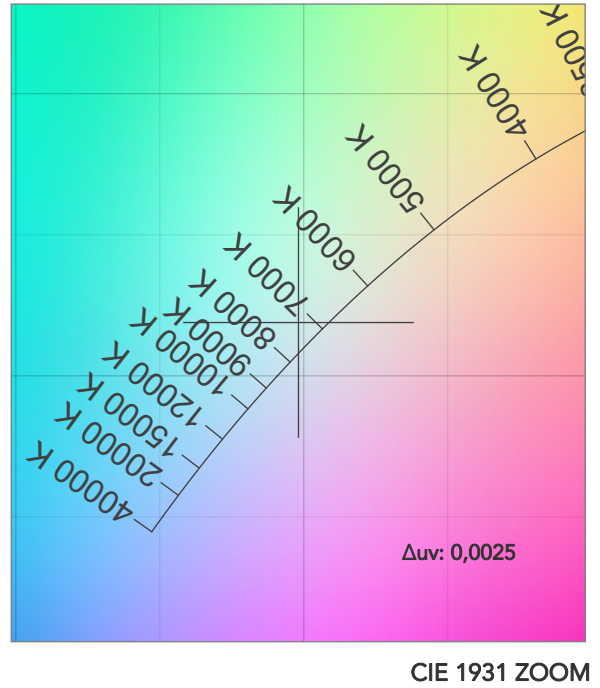
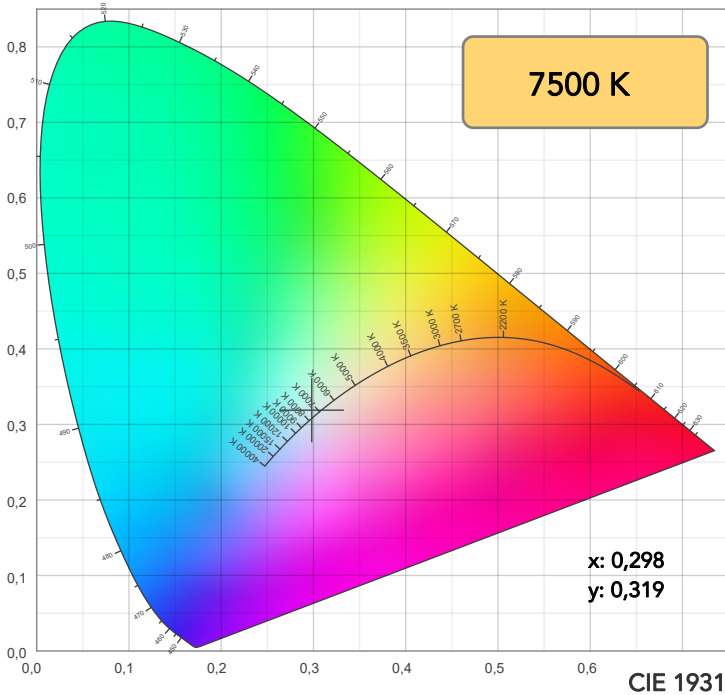
Field angle 10%: 45,3°

Cut off angle 2.5%: 46,3°

Spectra

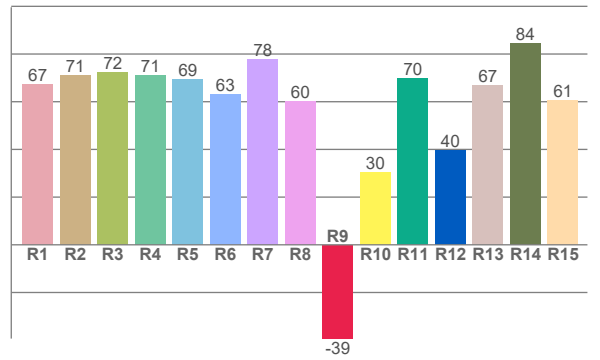
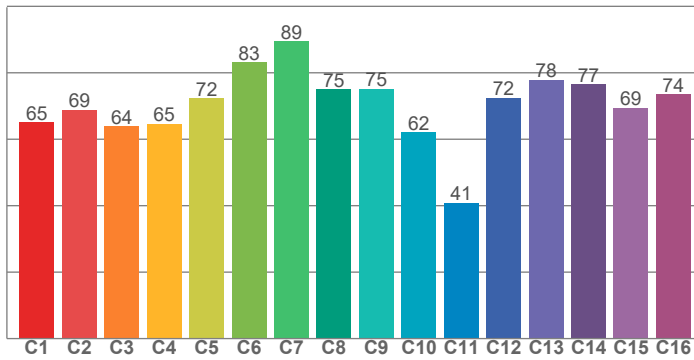


COLOR DETAILS

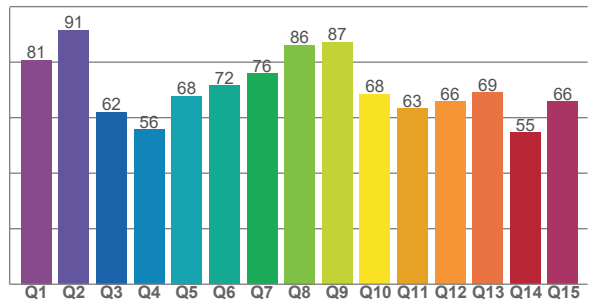


TM30: 70,3

CRI: 69,0 (R1-R8)



CQS: 69,1



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
67,3	71,1	72,4	71,2	69,3	62,9	78,0	60,1	-39,3	30,4	69,8	39,7	67,0	84,5	60,8

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
65,1	68,9	64,0	64,7	72,4	83,2	89,4	75,0	75,1	62,1	40,9	72,4	77,8	76,6	69,5	73,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
80,7	91,5	62,0	55,8	67,7	71,6	75,8	86,1	87,3	68,4	63,3	65,8	69,0	54,6	65,8

COLOR PARAMETERS

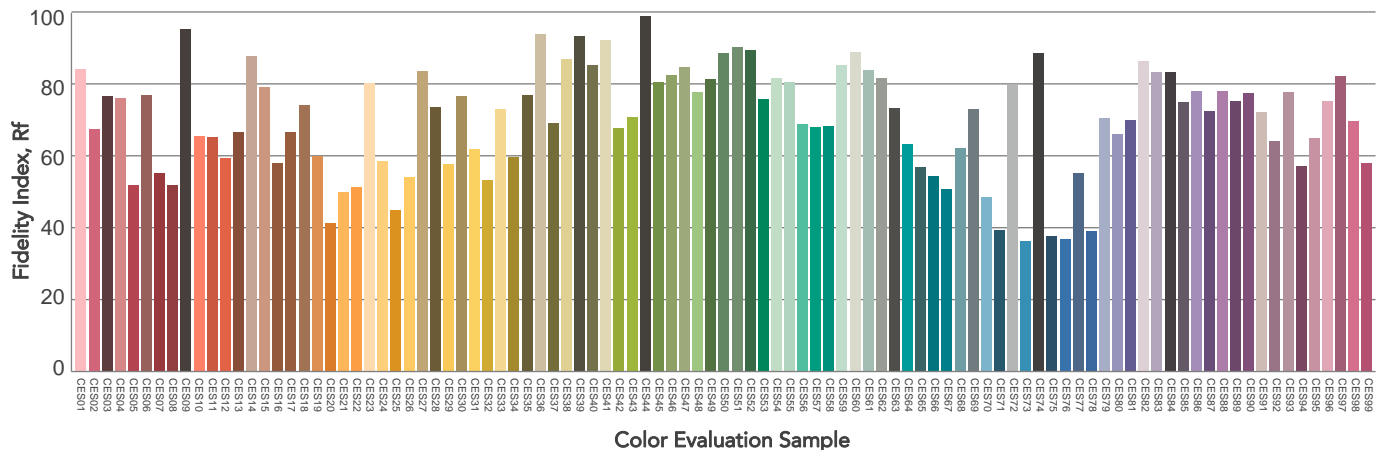
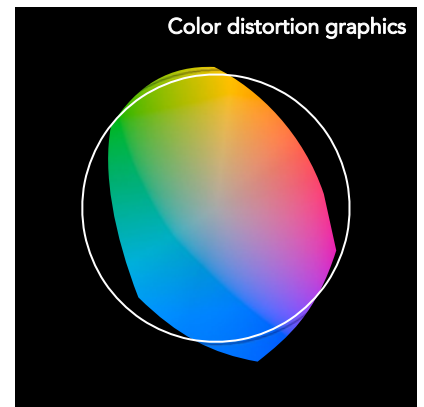
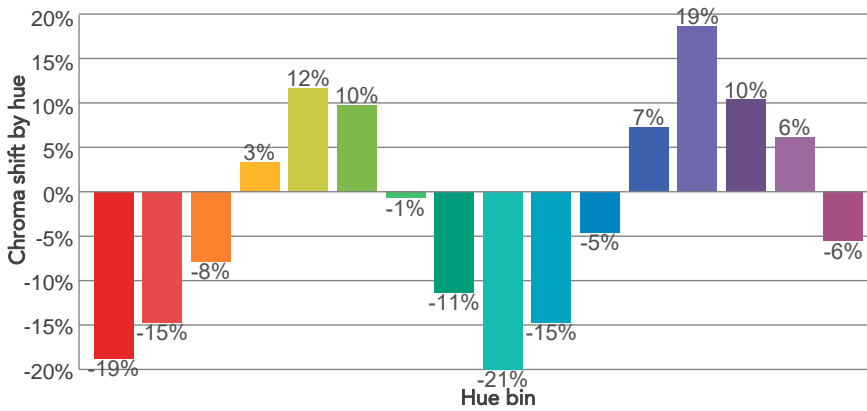
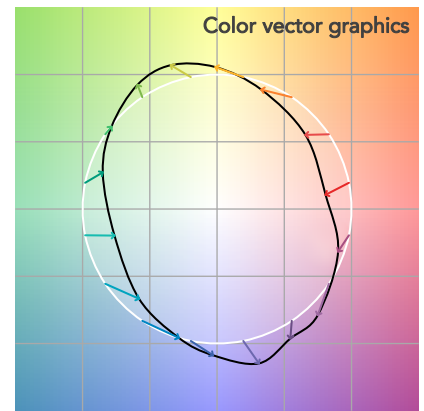
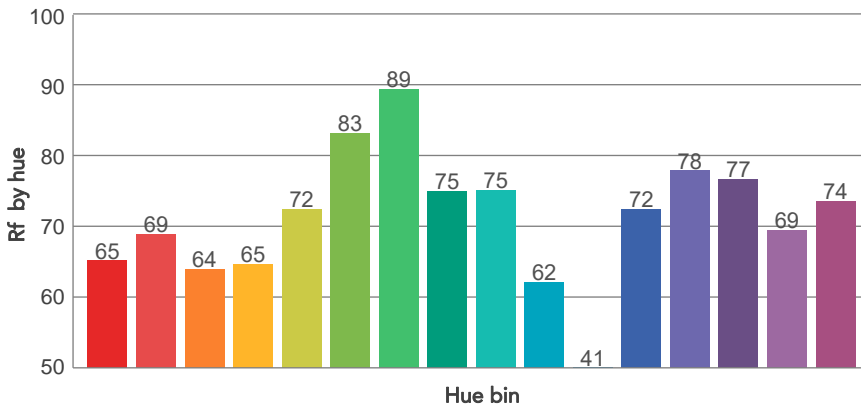
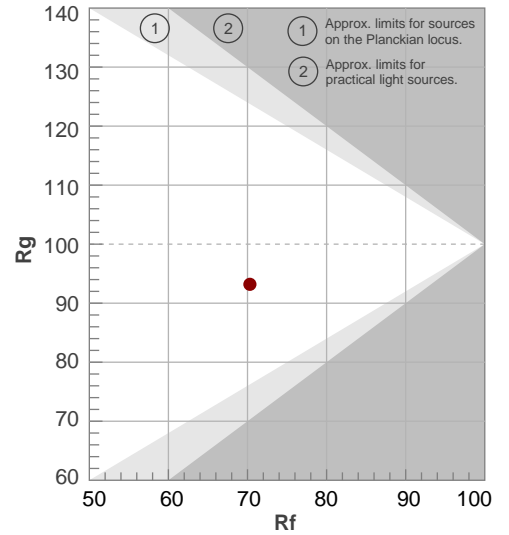
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
7500 K	69,0	-39,3	70,3	93,2	69,1	46	0,298	0,319	0,0025

TM30 DETAILS

Rf 70,3
Fidelity index Rf

Rg 93,2
Gammut index

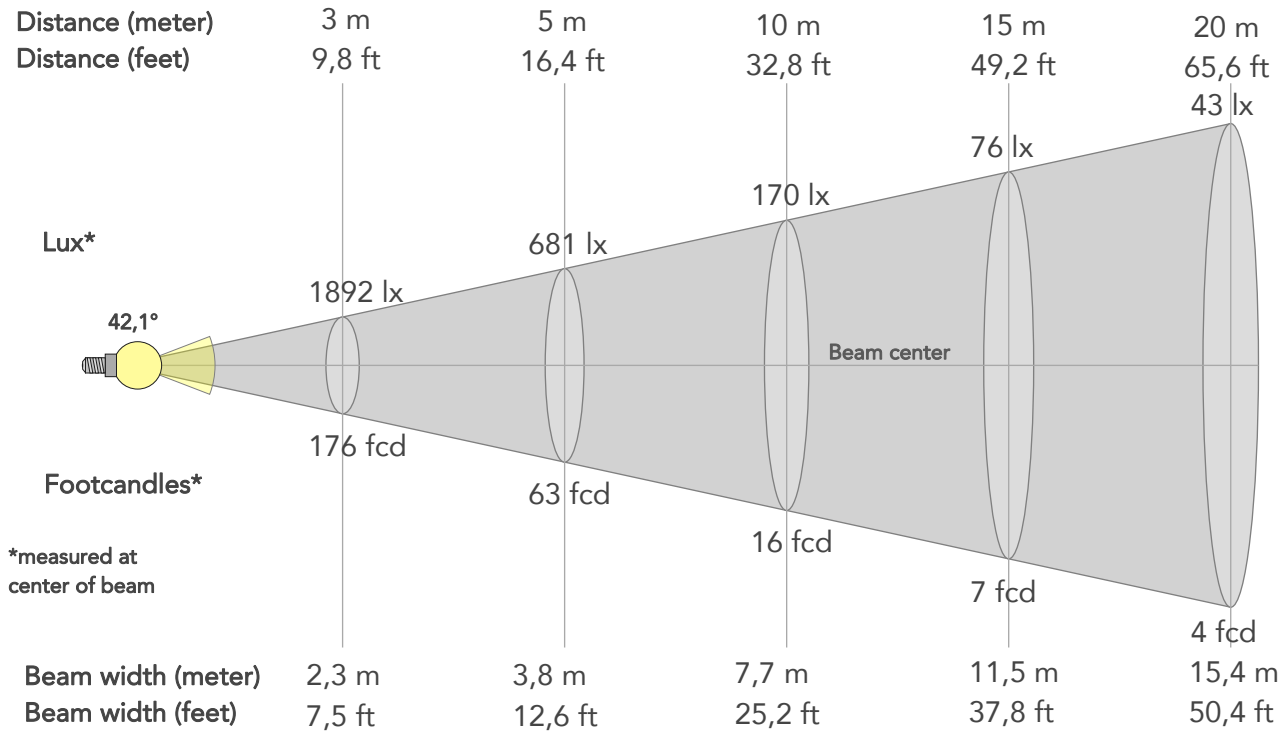
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	65	-19%	-5%
2	69	-15%	9%
3	64	-8%	22%
4	65	3%	22%
5	72	12%	13%
6	83	10%	-2%
7	89	-1%	-7%
8	75	-11%	-10%
9	75	-21%	4%
10	62	-15%	23%
11	41	-5%	30%
12	72	7%	18%
13	78	19%	8%
14	77	10%	-8%
15	69	6%	-24%
16	74	-6%	-13%



BEAM DETAILS



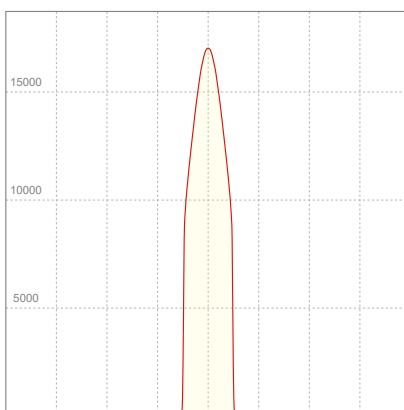
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
42,1°	45,3°	46,3°	100,0%	99,9%



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	17026lx	4256lx	1892lx	1064lx	681lx	303lx	170lx	76lx	43lx	27lx	19lx	11lx	7lx
Footcand.	1582fcd	395fcd	176fcd	99fcd	63fcd	28fcd	16fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,5m	2,3m	3,1m	3,8m	5,8m	7,7m	11,5m	15,4m	19,2m	23,1m	30,8m	38,4m
Beam wid.	2,5ft	5,1ft	7,5ft	10,1ft	12,6ft	18,9ft	25,2ft	37,8ft	50,4ft	63,1ft	75,7ft	100,9ft	126,1ft

LINEAR DISTRIBUTION DIAGRAM

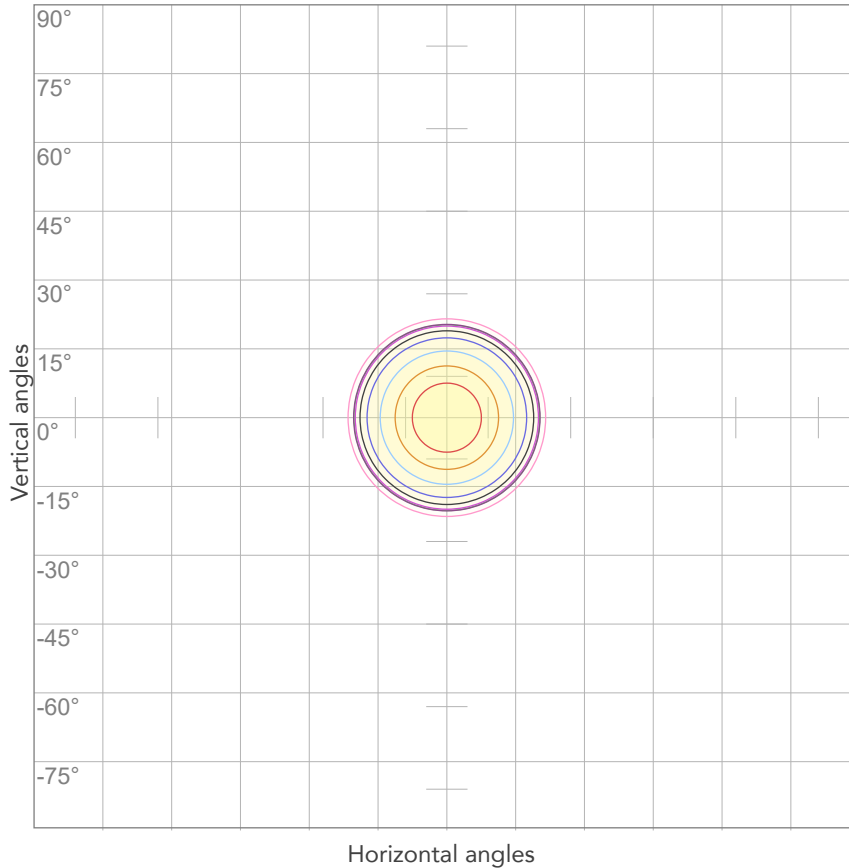


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,806A	181W	0,99	31lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



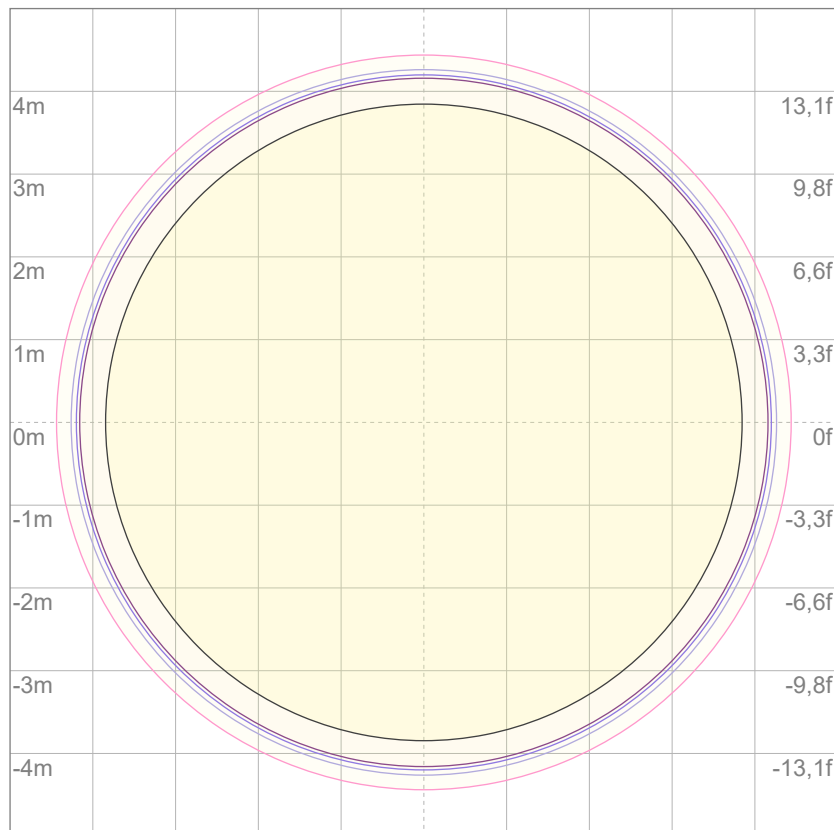
10%	1703 cd
20%	3405 cd
30%	5108 cd
40%	6810 cd
50%	8513 cd
60%	10215 cd
70%	11918 cd
80%	13620 cd

Conditions:

Number of c-planes: 2

Candela at center: 17026 cd

ISO LUX DIAGRAM



3%	5,11 lx
5%	8,51 lx
10%	17,0 lx
30%	51,1 lx
50%	85,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 170 lx

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



Total lumen output:

5608 lm

Peak candela output:

70114 cd

Light quality:

CRI: 68,9

Color temperature:

7422 K

PRODUCT NAME:

JETSPOT120

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

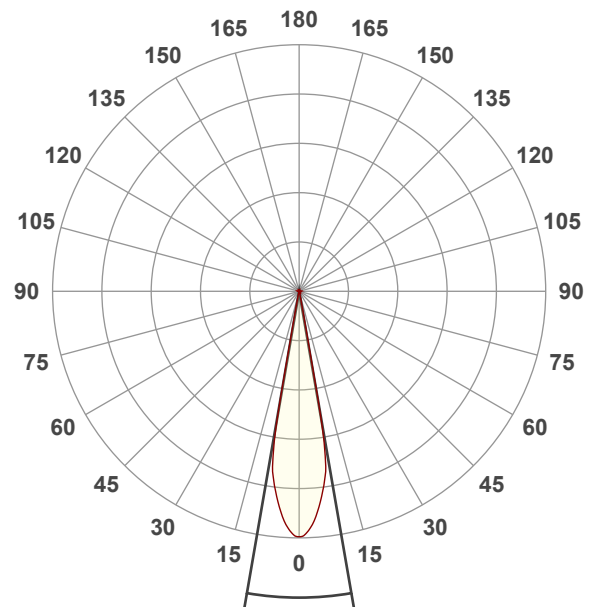
Full On

Operator:

Salvatore Giglio

Date and time:

17/12/2024 15:42:59

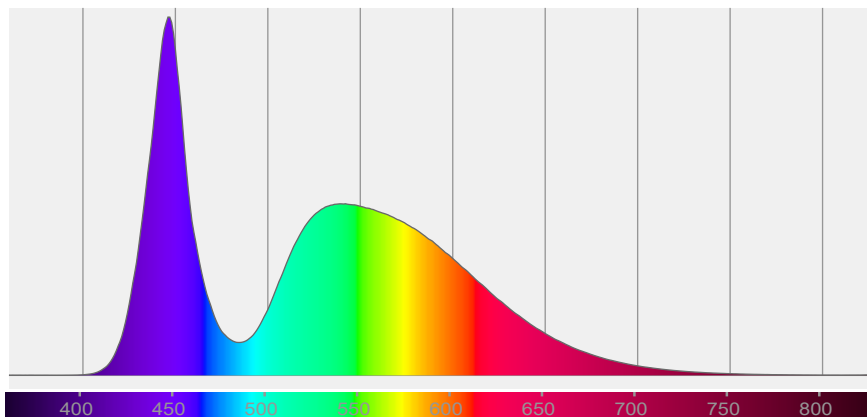


Beam angle 50%: 19,6°

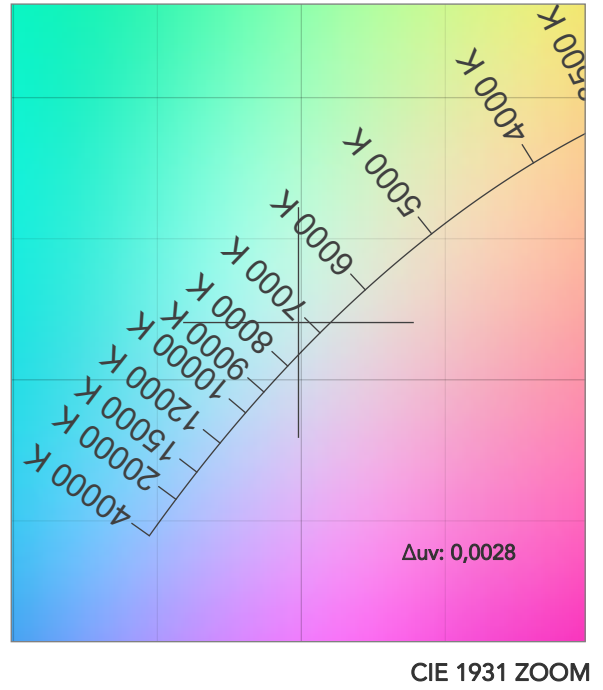
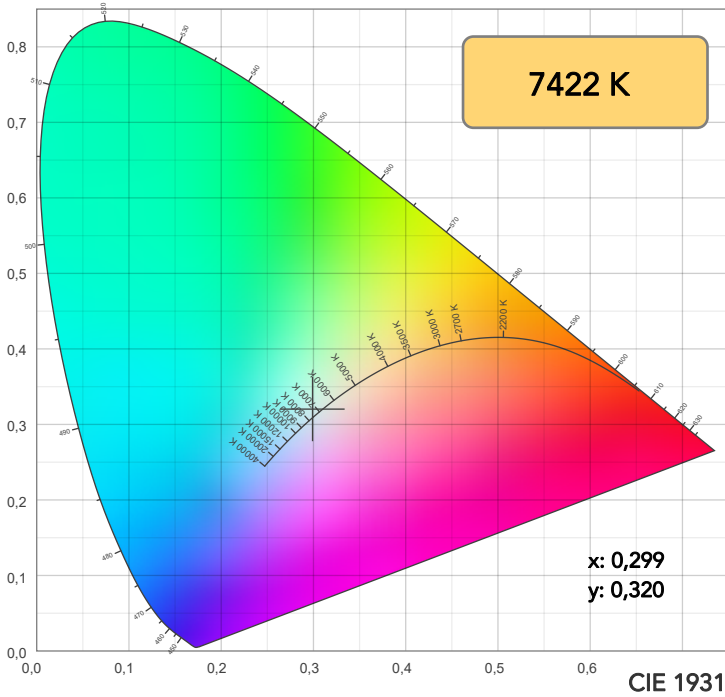
Field angle 10%: 21,5°

Cut off angle 2.5%: 23°

Spectra

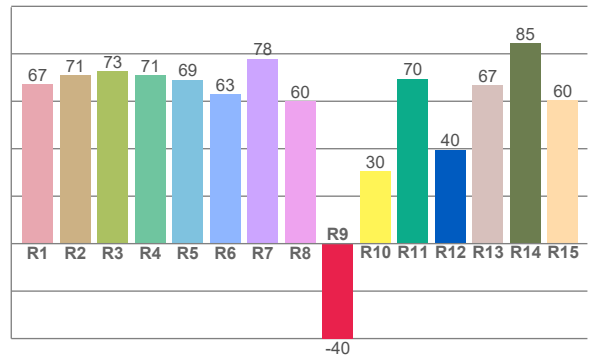
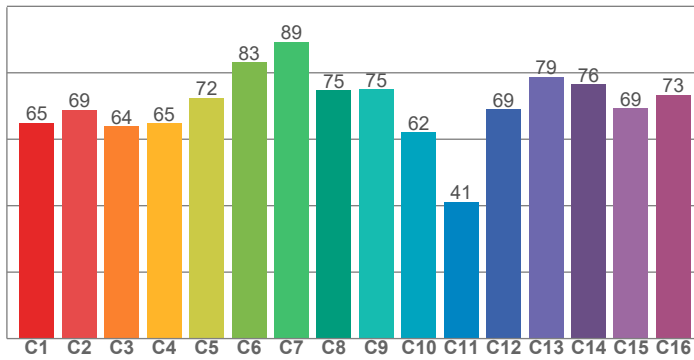


COLOR DETAILS

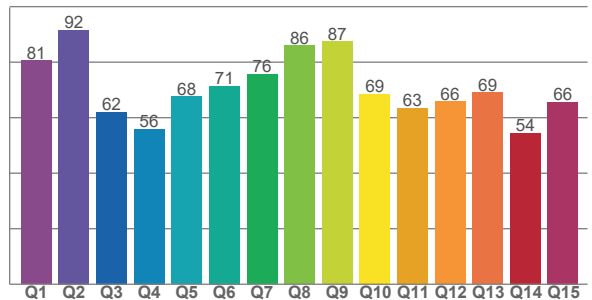


TM30: 70,3

CRI: 68,9 (R1-R8)



CQS: 69,1



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
67,0	71,0	72,6	71,0	69,1	62,8	77,9	59,8	-40,0	30,4	69,5	39,6	66,8	84,6	60,4

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
65,0	68,8	63,9	64,8	72,4	83,1	89,3	74,8	75,1	62,2	41,1	69,0	78,7	76,5	69,3	73,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
80,5	91,6	62,0	55,9	67,7	71,4	75,6	85,9	87,4	68,6	63,5	65,9	69,0	54,5	65,6

COLOR PARAMETERS

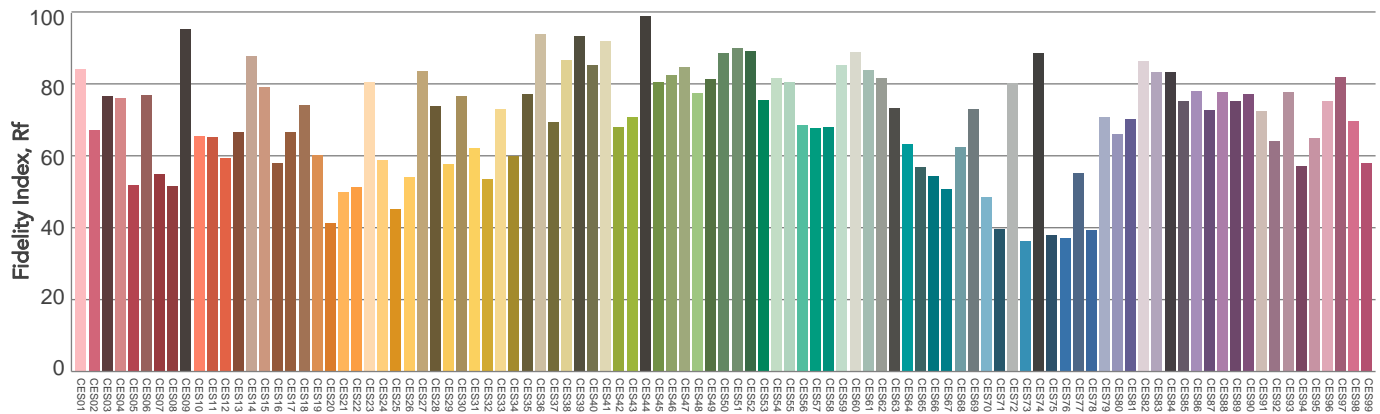
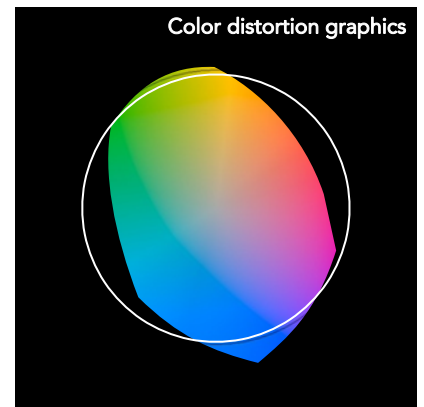
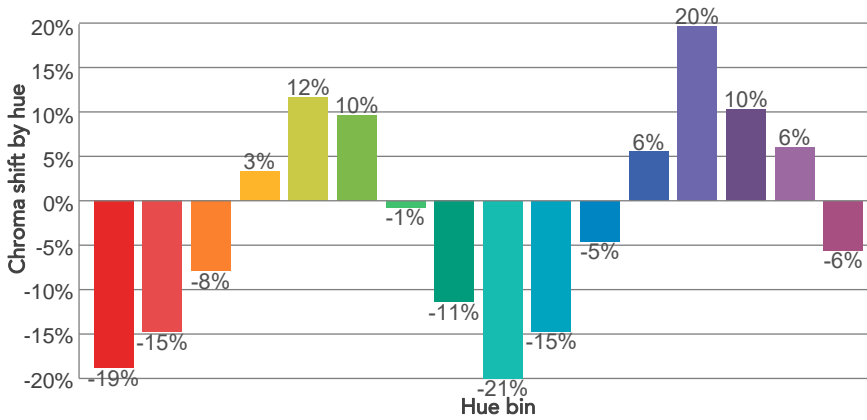
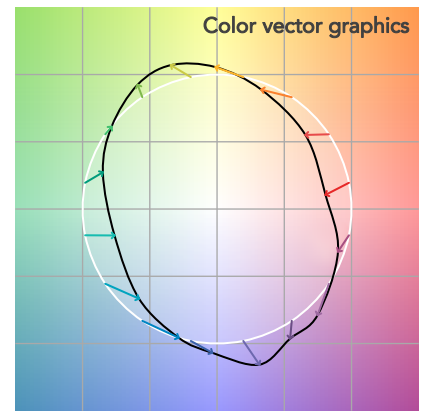
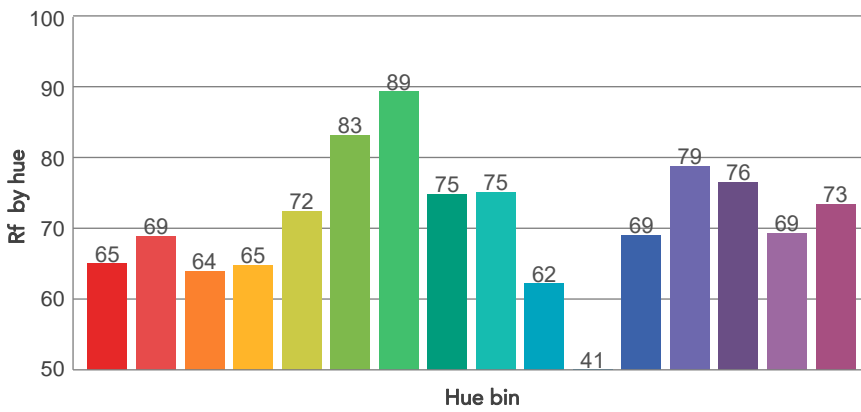
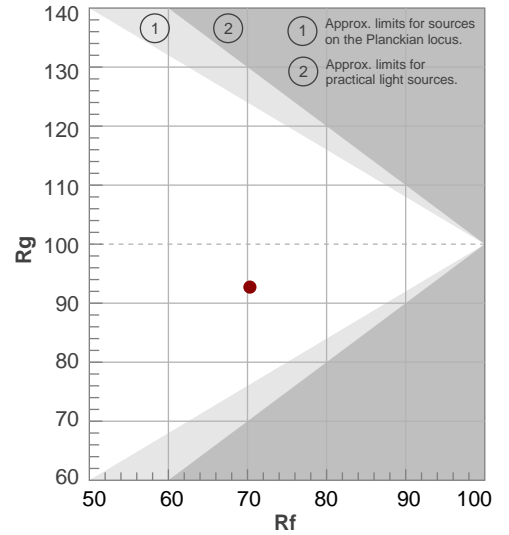
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
7422 K	68,9	-40,0	70,3	92,7	69,1	46	0,299	0,320	0,0028

TM30 DETAILS

Rf 70,3
Fidelity index Rf

Rg 92,7
Gammut index

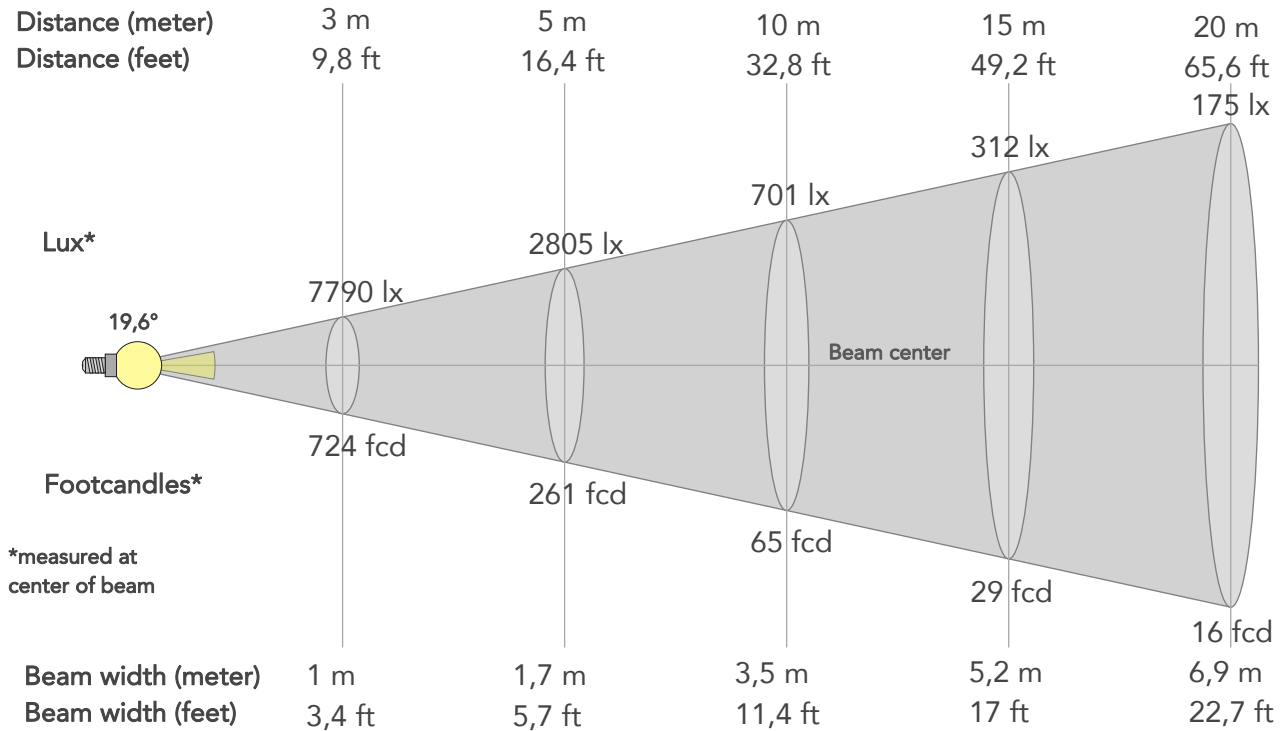
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	65	-19%	-5%
2	69	-15%	9%
3	64	-8%	22%
4	65	3%	22%
5	72	12%	13%
6	83	10%	-2%
7	89	-1%	-7%
8	75	-11%	-10%
9	75	-21%	4%
10	62	-15%	23%
11	41	-5%	29%
12	69	6%	17%
13	79	20%	8%
14	76	10%	-8%
15	69	6%	-24%
16	73	-6%	-14%



BEAM DETAILS



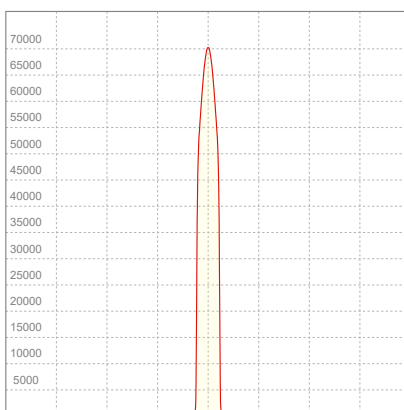
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
19,6°	21,5°	23°	100,0%	100,0%



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	70114lx	17528lx	7790lx	4382lx	2805lx	1246lx	701lx	312lx	175lx	112lx	78lx	44lx	28lx
Footcand.	6514fcd	1628fcd	724fcd	407fcd	261fcd	116fcd	65fcd	29fcd	16fcd	10fcd	7fcd	4fcd	3fcd
Beam wid.	0,3m	0,7m	1m	1,4m	1,7m	2,6m	3,5m	5,2m	6,9m	8,7m	10,4m	13,8m	17,3m
Beam wid.	1,1ft	2,3ft	3,4ft	4,5ft	5,7ft	8,5ft	11,4ft	17ft	22,7ft	28,4ft	34,1ft	45,4ft	56,8ft

LINEAR DISTRIBUTION DIAGRAM

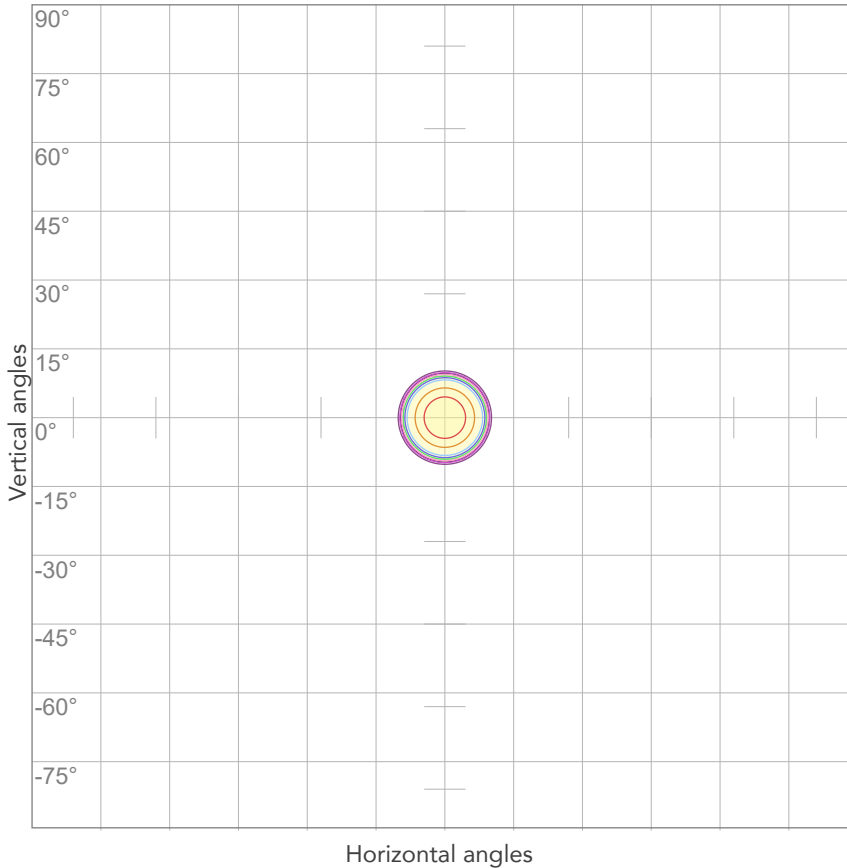


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,810A	181,3W	0,99	31lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



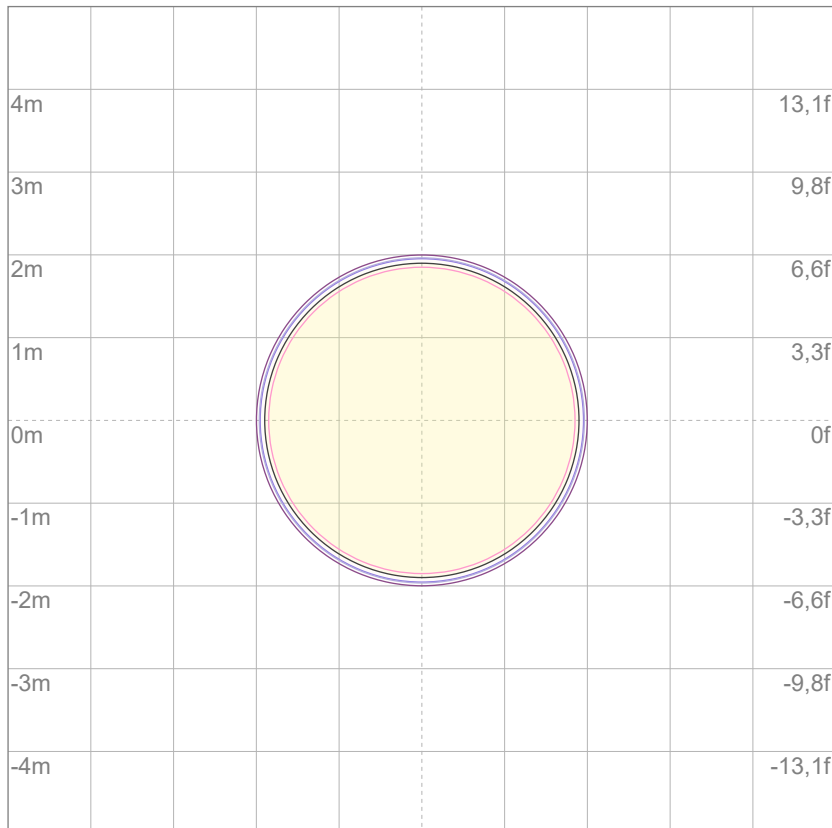
10%	7011 cd
20%	14023 cd
30%	21034 cd
40%	28045 cd
50%	35057 cd
60%	42068 cd
70%	49080 cd
80%	56091 cd

Conditions:

Number of c-planes: 2

Candela at center: 70114 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	21,0 lx
5%	35,1 lx
10%	70,1 lx
30%	210 lx
50%	351 lx

Conditions:

Number of c-planes: 2

Lux at center: 701 lx

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



Total lumen output:

4502 lm

Peak candela output:

236295 cd

Light quality:

CRI: 69,0

Color temperature:

7347 K

PRODUCT NAME:

JETSPOT120

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

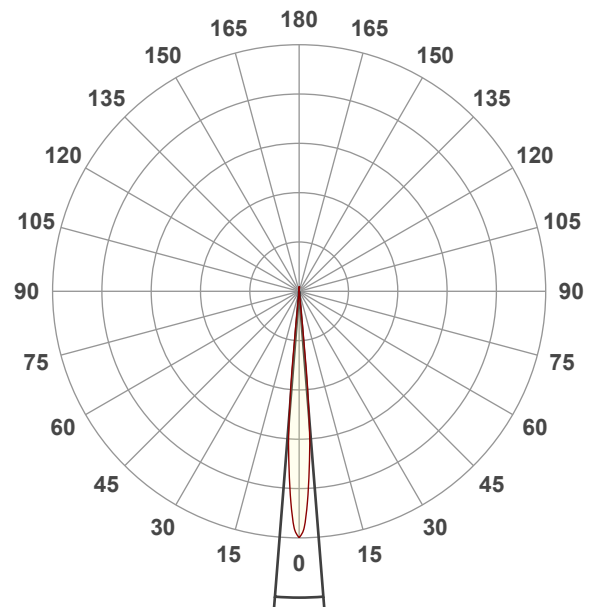
Full On

Operator:

Salvatore Giglio

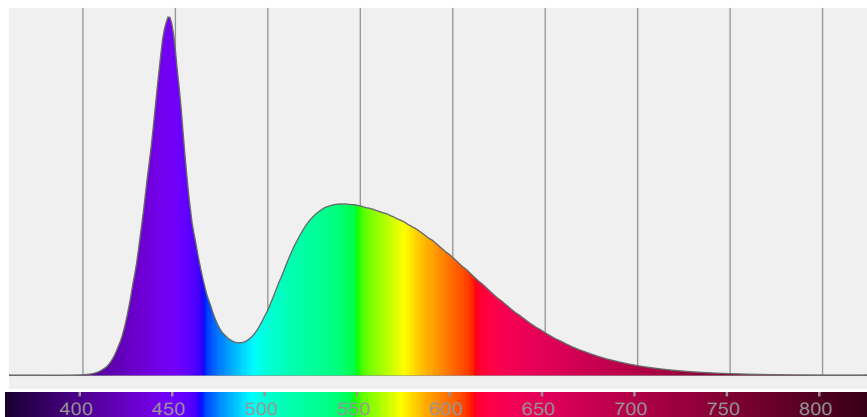
Date and time:

17/12/2024 15:27:58

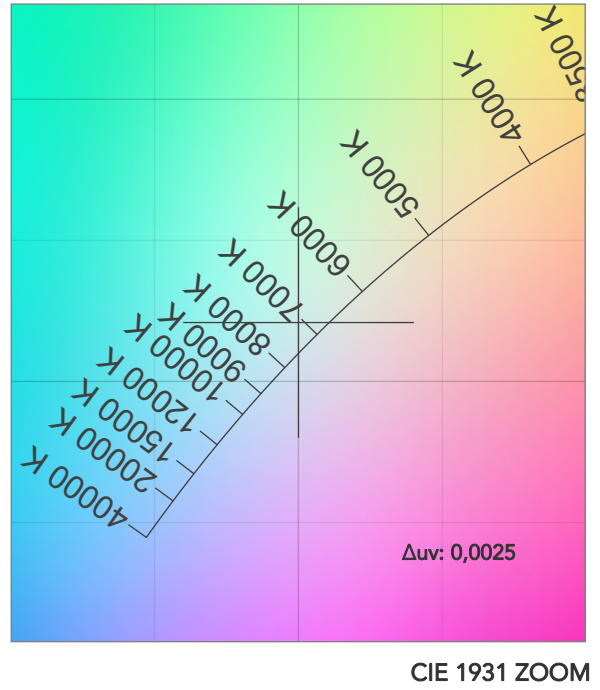
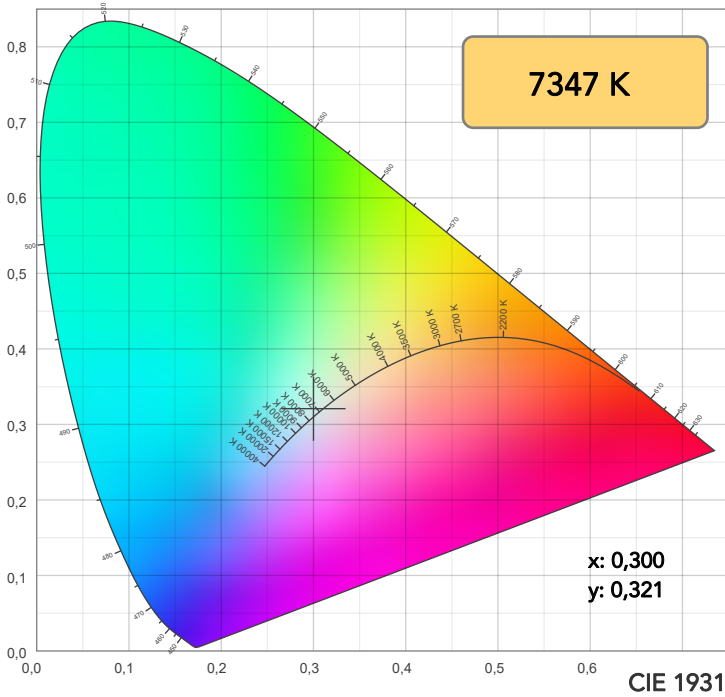


Beam angle 50%: 9,1°
Field angle 10%: 11,9°
Cut off angle 2.5%: 12,4°

Spectra

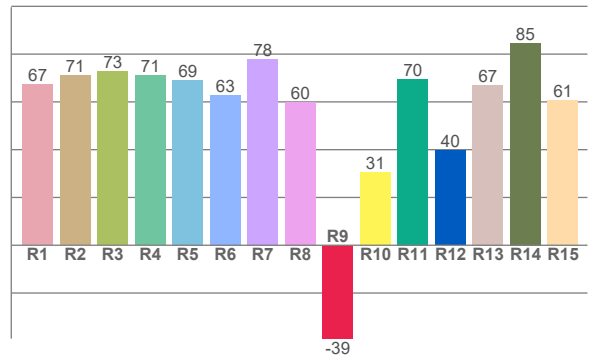
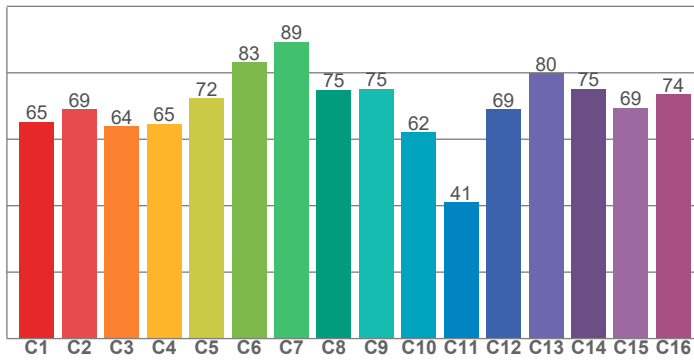


COLOR DETAILS



TM30: 70,3

CRI: 69,0 (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
67,2	71,1	72,6	71,1	69,2	62,9	78,0	60,0	-39,1	30,6	69,7	39,6	67,0	84,6	60,7

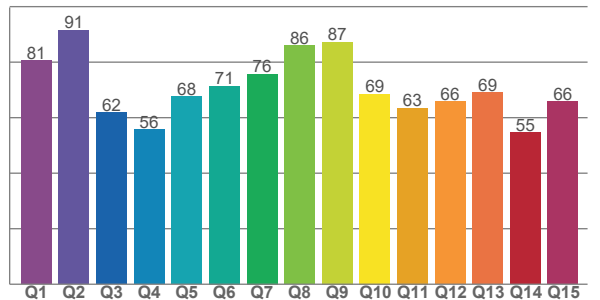
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
65,2	68,9	63,9	64,7	72,3	83,1	89,3	74,9	75,2	62,1	41,1	68,9	79,8	75,2	69,5	73,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
80,5	91,5	61,9	55,8	67,7	71,5	75,7	86,0	87,3	68,5	63,4	65,9	69,1	54,7	65,8

CQS: 69,1



COLOR PARAMETERS

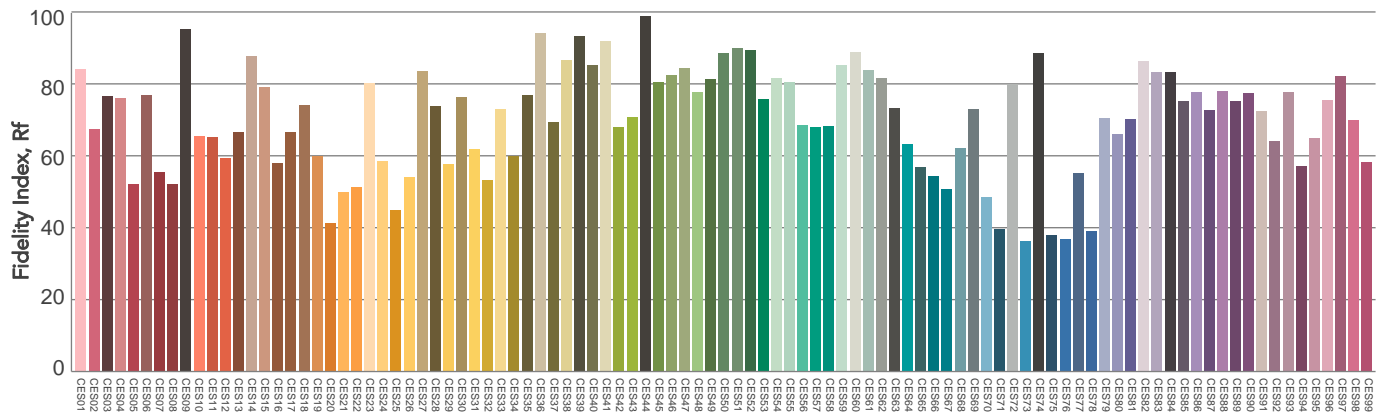
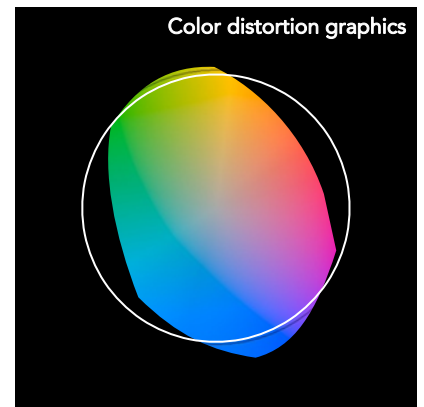
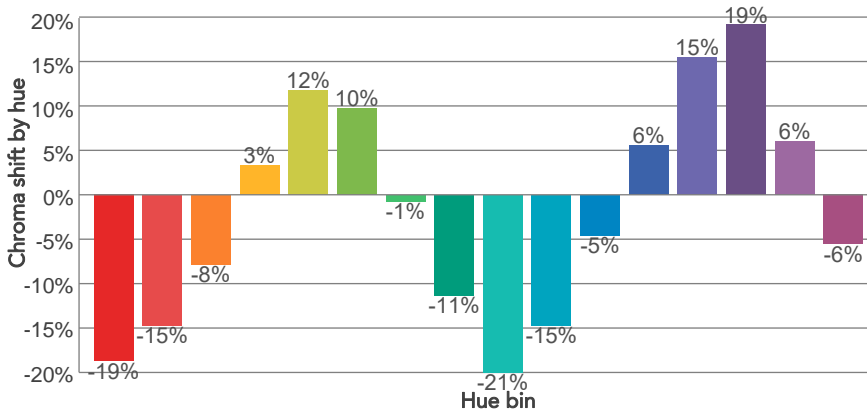
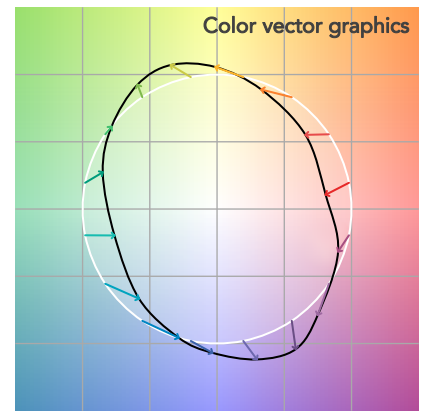
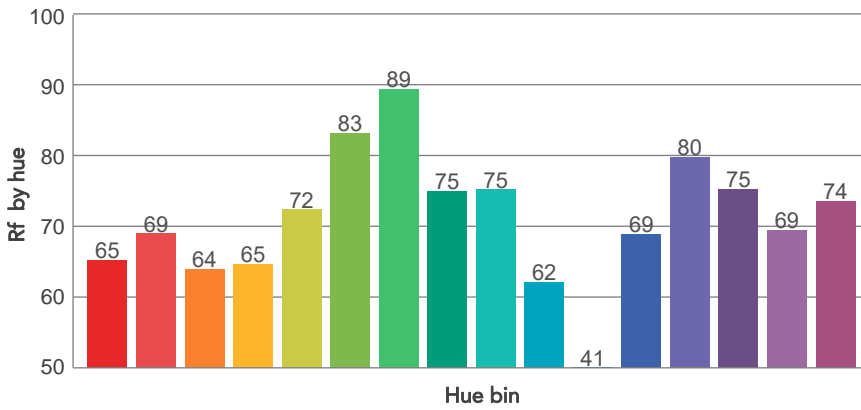
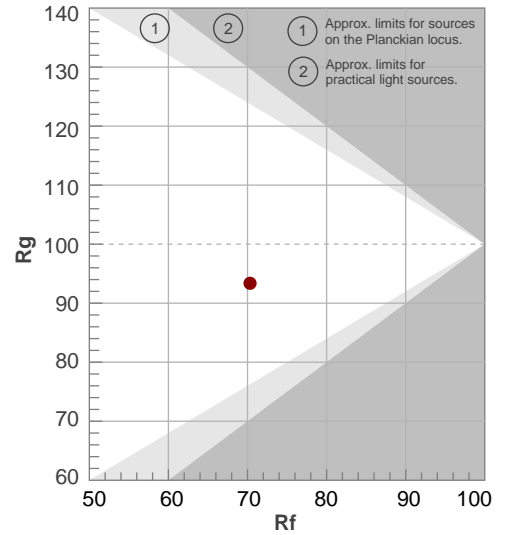
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
7347 K	69,0	-39,1	70,3	93,4	69,1	47	0,300	0,321	0,0025

TM30 DETAILS

Rf 70,3
Fidelity index Rf

Rg 93,4
Gammut index

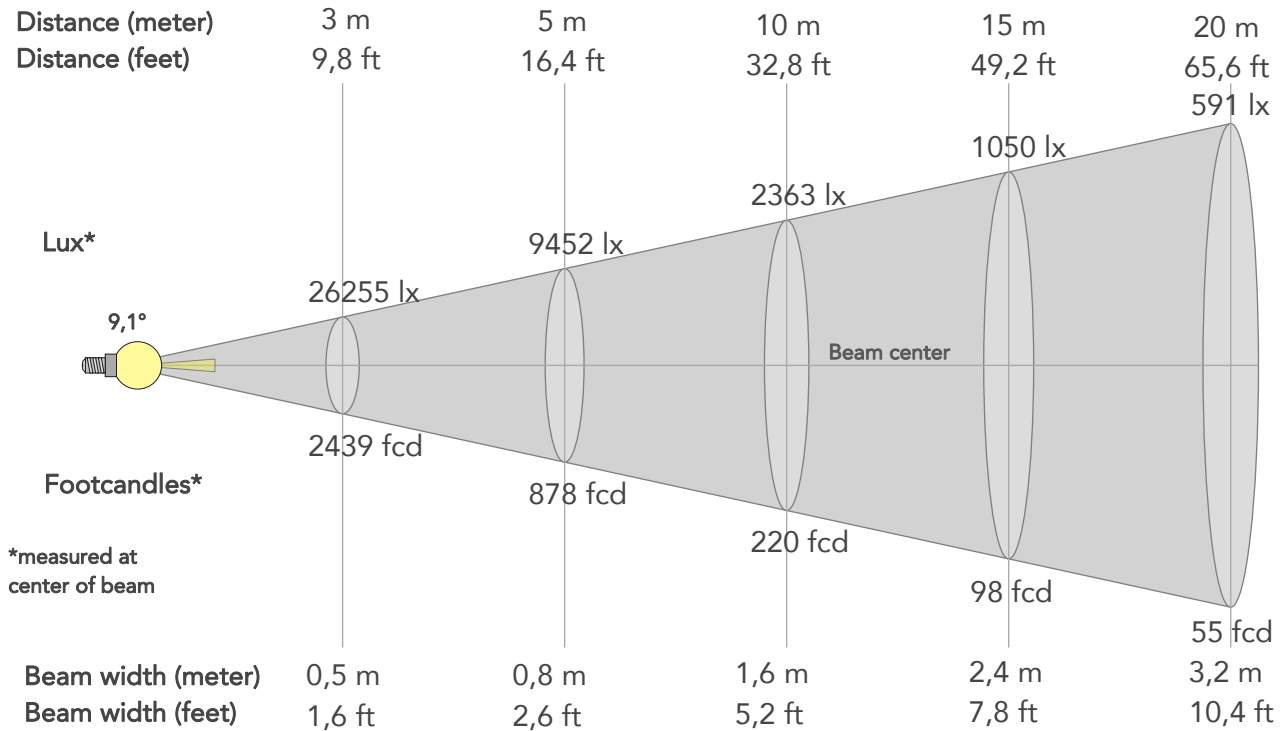
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	65	-19%	-5%
2	69	-15%	9%
3	64	-8%	22%
4	65	3%	22%
5	72	12%	13%
6	83	10%	-2%
7	89	-1%	-7%
8	75	-11%	-10%
9	75	-21%	4%
10	62	-15%	23%
11	41	-5%	29%
12	69	6%	17%
13	80	15%	7%
14	75	19%	-9%
15	69	6%	-24%
16	74	-6%	-13%



BEAM DETAILS



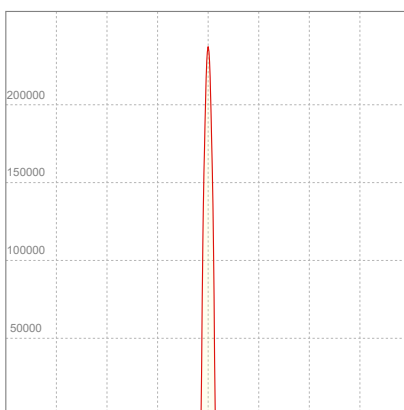
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,1°	11,9°	12,4°	100,0%	100,0%



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	236295lx	59074lx	26255lx	14768lx	9452lx	4201lx	2363lx	1050lx	591lx	378lx	263lx	148lx	95lx
Footcand.	21952fcd	5488fcd	2439fcd	1372fcd	878fcd	390fcd	220fcd	98fcd	55fcd	35fcd	24fcd	14fcd	9fcd
Beam wid.	0,2m	0,3m	0,5m	0,6m	0,8m	1,2m	1,6m	2,4m	3,2m	4m	4,8m	6,3m	7,9m
Beam wid.	0,5ft	1ft	1,6ft	2,1ft	2,6ft	3,9ft	5,2ft	7,8ft	10,4ft	13ft	15,6ft	20,8ft	26ft

LINEAR DISTRIBUTION DIAGRAM

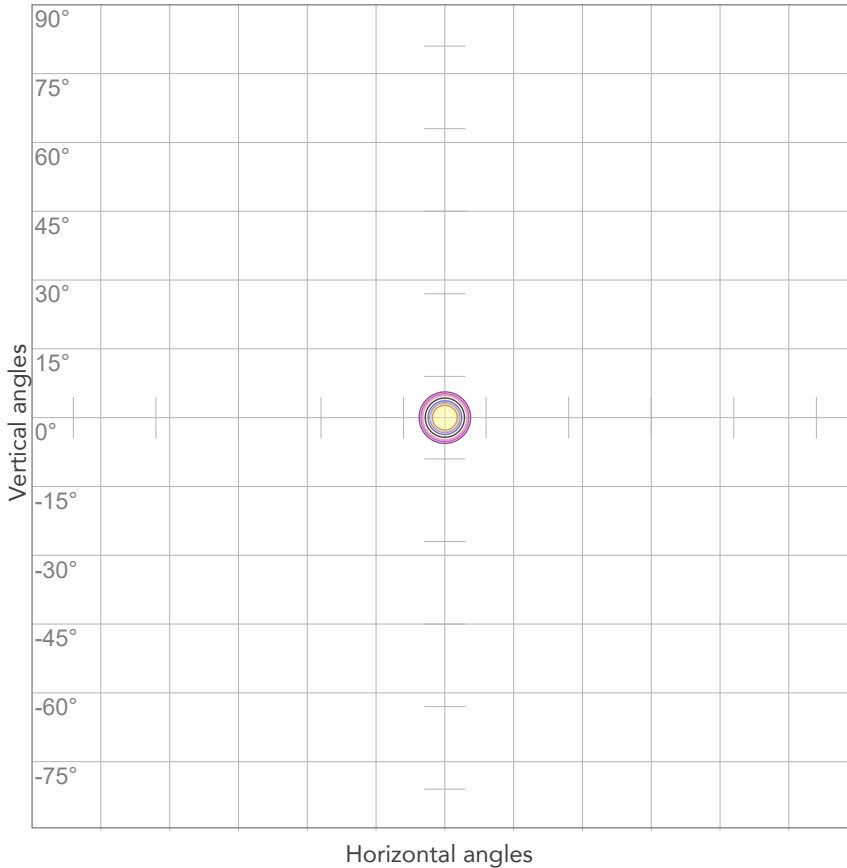


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,815A	182W	0,99	25lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



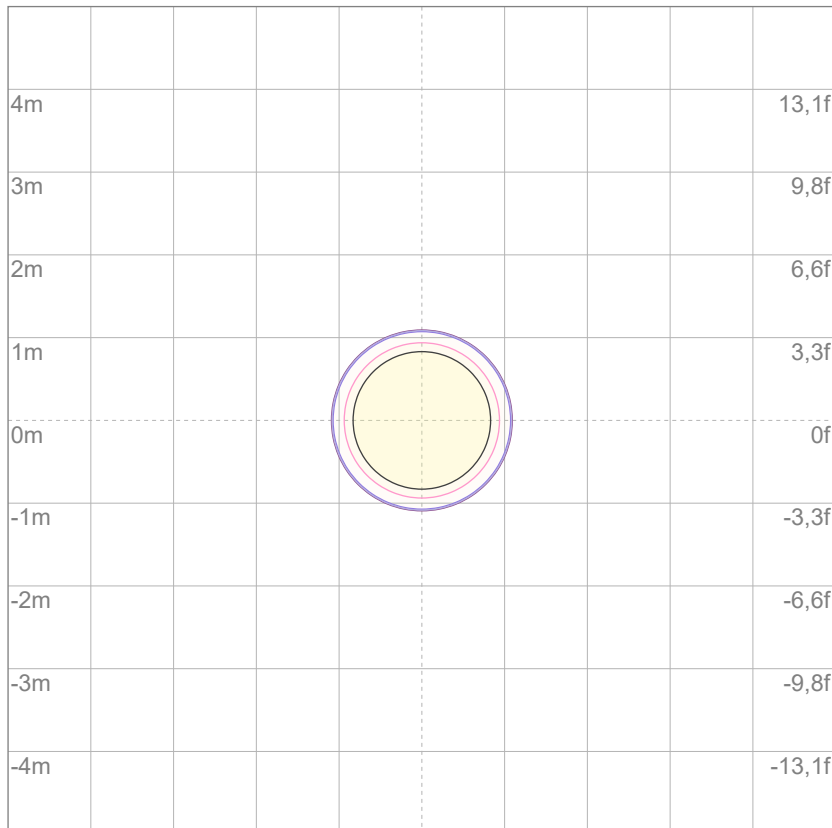
10%	23629 cd
20%	47259 cd
30%	70888 cd
40%	94518 cd
50%	118147 cd
60%	141777 cd
70%	165406 cd
80%	189036 cd

Conditions:

Number of c-planes: 2

Candela at center: 236295 cd

ISO LUX DIAGRAM



3%	70,9 lx
5%	118 lx
10%	236 lx
30%	709 lx
50%	1181 lx

Conditions:

Number of c-planes: 2

Lux at center: 2363 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:

2444 lm

Peak candela output:

7211 cd

Light quality:

CRI: 64,6

Color temperature:

3405 K

PRODUCT NAME:

JETSPOT120

MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

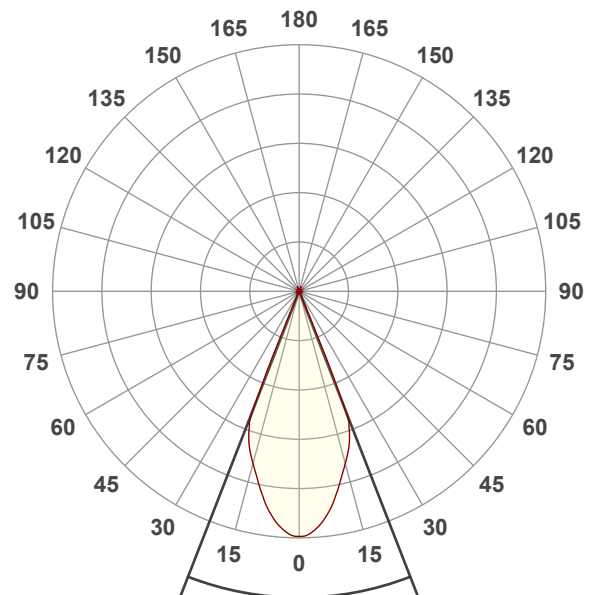
Full On + CTO 3200K

Operator:

Salvatore Giglio

Date and time:

17/12/2024 16:42:40

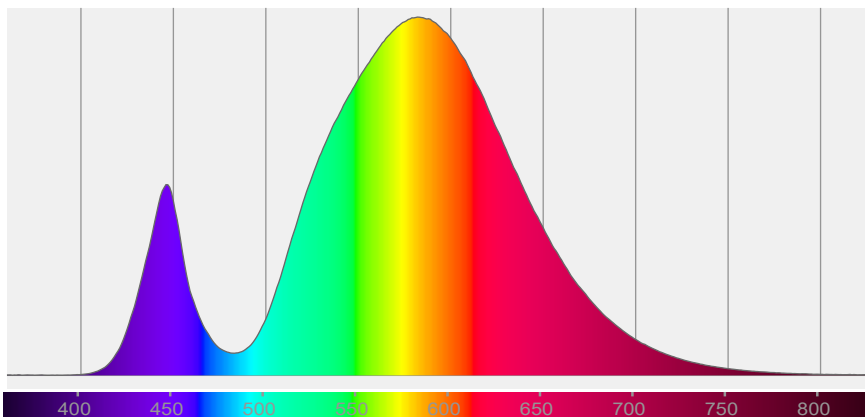


Beam angle 50%: 42,5°

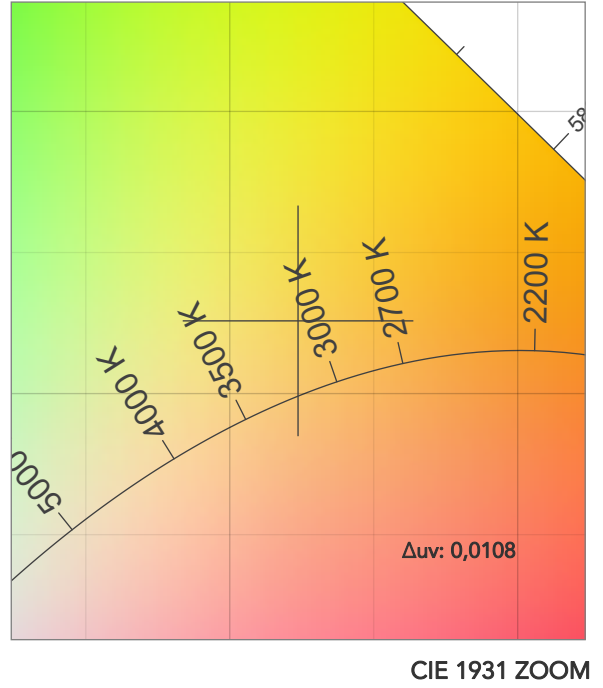
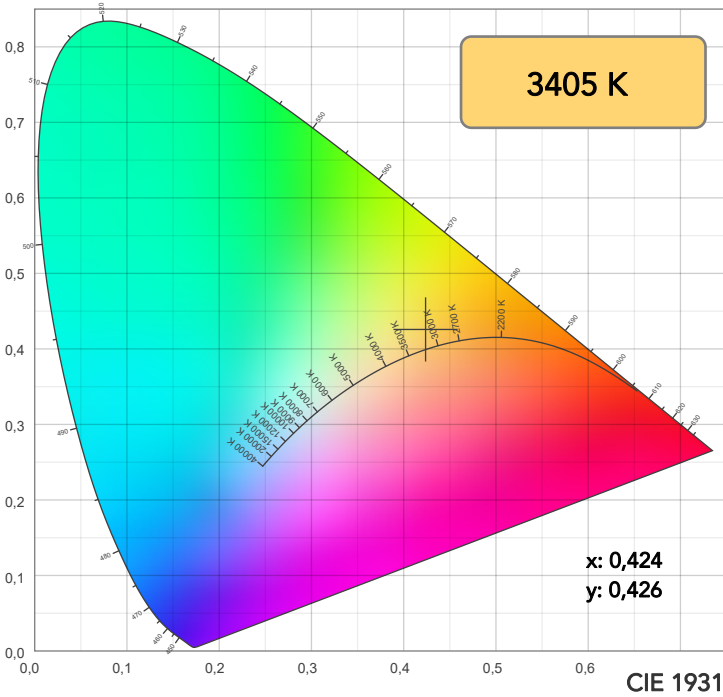
Field angle 10%: 45,6°

Cut off angle 2.5%: 46,1°

Spectra

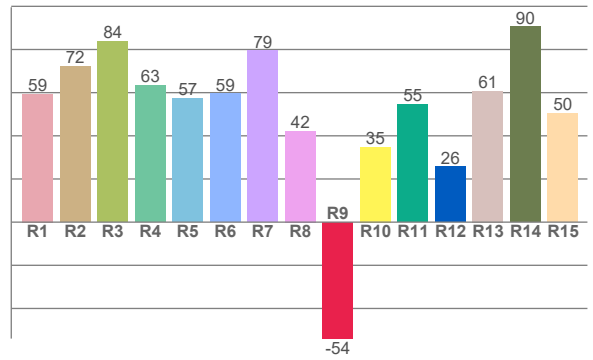
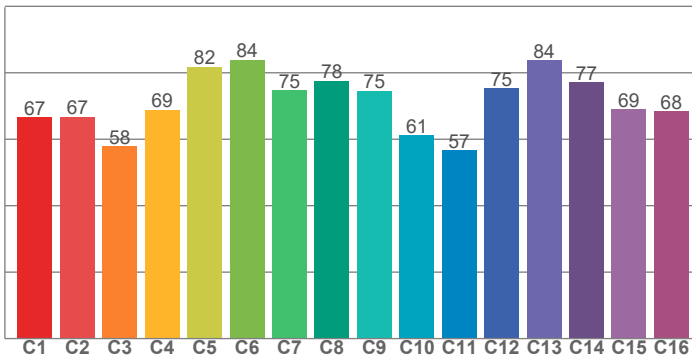


COLOR DETAILS



TM30: 70,7

CRI: 64,6 (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
59,3	72,0	83,7	63,3	57,4	59,5	79,4	42,2	-54,0	34,8	54,6	25,6	60,8	90,5	50,3

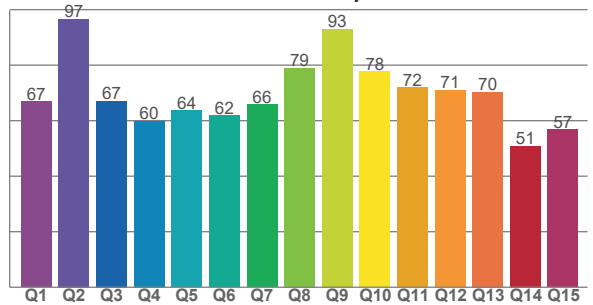
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
66,6	66,7	57,8	68,9	81,8	83,9	74,8	77,6	74,6	61,2	56,6	75,3	83,7	77,1	69,1	68,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
66,9	96,6	67,0	59,9	63,6	61,9	65,8	79,0	93,0	77,6	71,9	71,0	70,3	50,8	56,9

CQS: 67,8



COLOR PARAMETERS

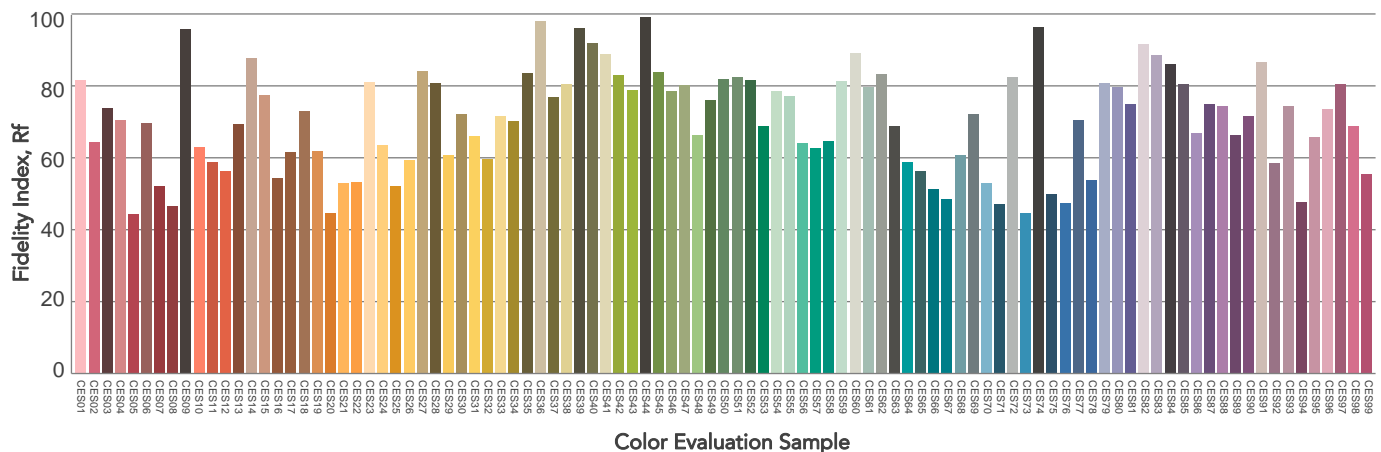
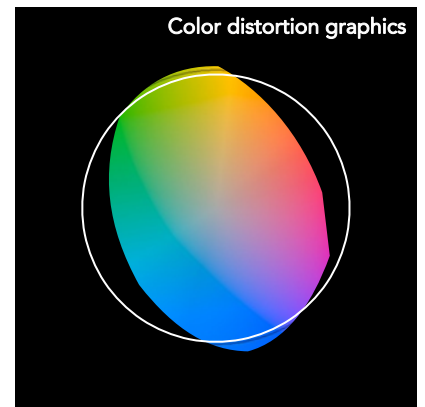
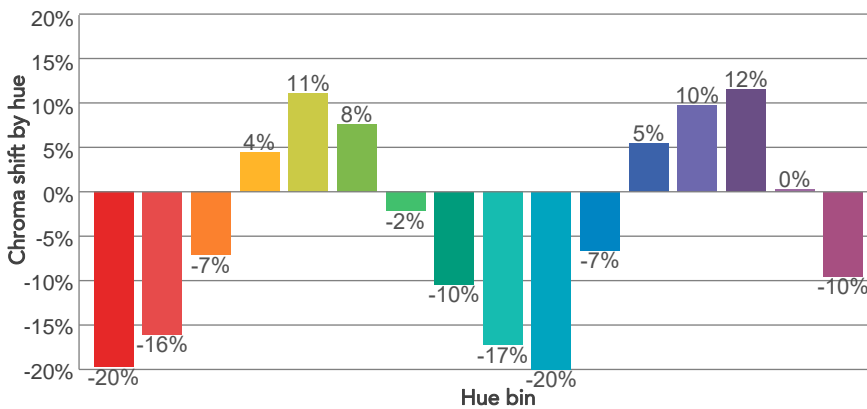
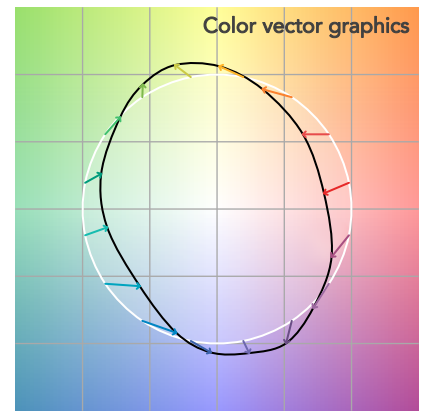
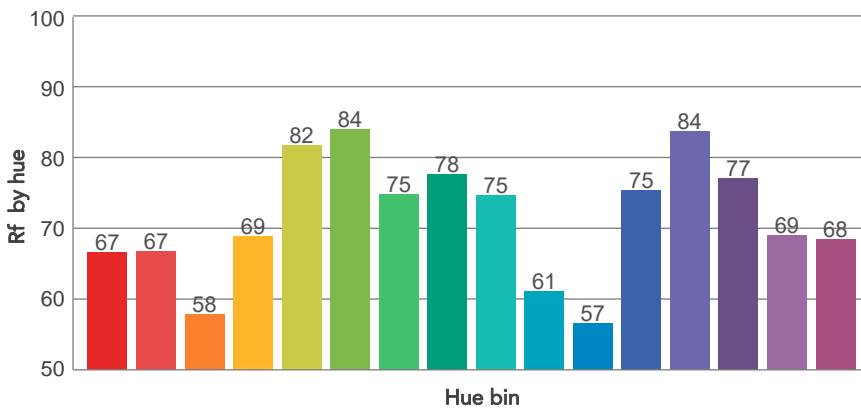
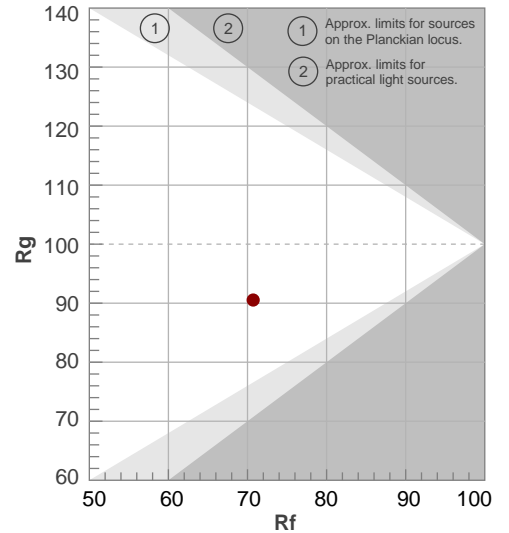
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3405 K	64,6	-54,0	70,7	90,5	67,8	39	0,424	0,426	0,0108

TM30 DETAILS

Rf 70,7
Fidelity index Rf

Rg 90,5
Gammut index

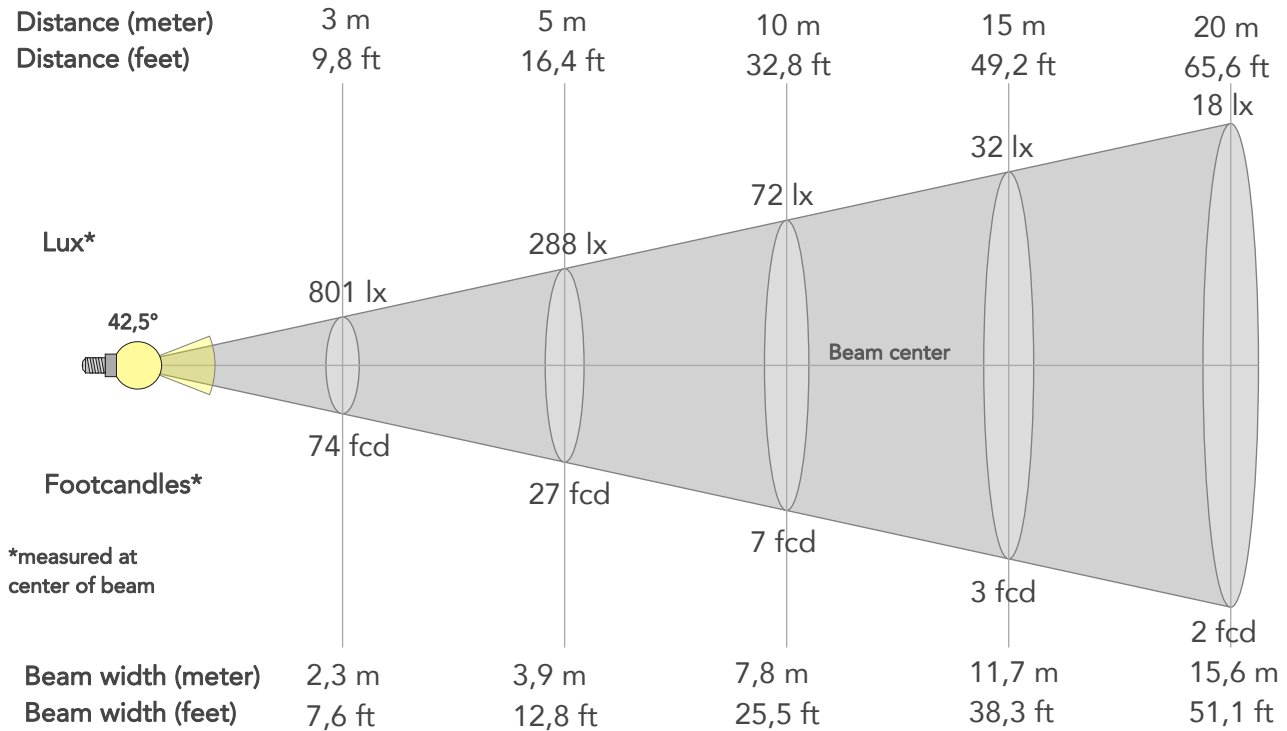
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	67	-20%	-4%
2	67	-16%	11%
3	58	-7%	21%
4	69	4%	19%
5	82	11%	10%
6	84	8%	-6%
7	75	-2%	-17%
8	78	-10%	-9%
9	75	-17%	-3%
10	61	-20%	16%
11	57	-7%	26%
12	75	5%	16%
13	84	10%	3%
14	77	12%	-13%
15	69	0%	-21%
16	68	-10%	-18%



BEAM DETAILS



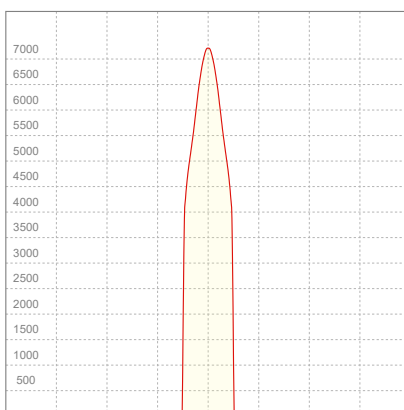
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
42,5°	45,6°	46,1°	99,9%	99,9%



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	7211lx	1803lx	801lx	451lx	288lx	128lx	72lx	32lx	18lx	12lx	8lx	5lx	3lx
Footcand.	670fcd	167fcd	74fcd	42fcd	27fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,3m	3,1m	3,9m	5,8m	7,8m	11,7m	15,6m	19,5m	23,4m	31,1m	38,9m
Beam wid.	2,6ft	5,1ft	7,6ft	10,2ft	12,8ft	19,2ft	25,5ft	38,3ft	51,1ft	63,8ft	76,6ft	102,1ft	127,7ft

LINEAR DISTRIBUTION DIAGRAM

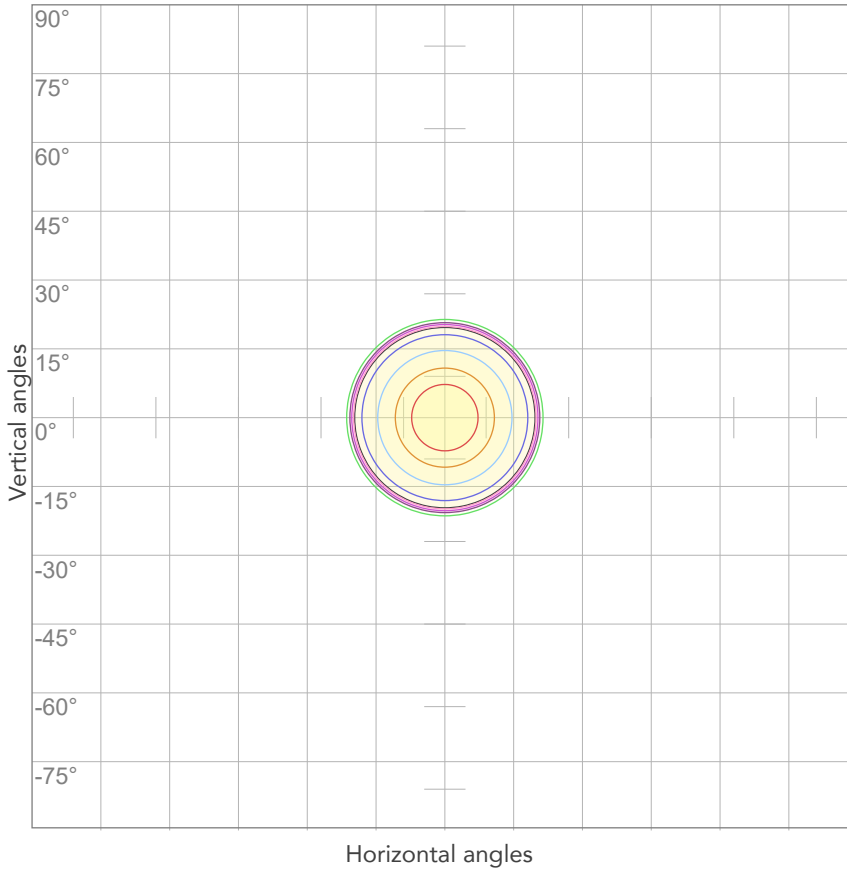


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,808A	180,8W	0,99	14lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



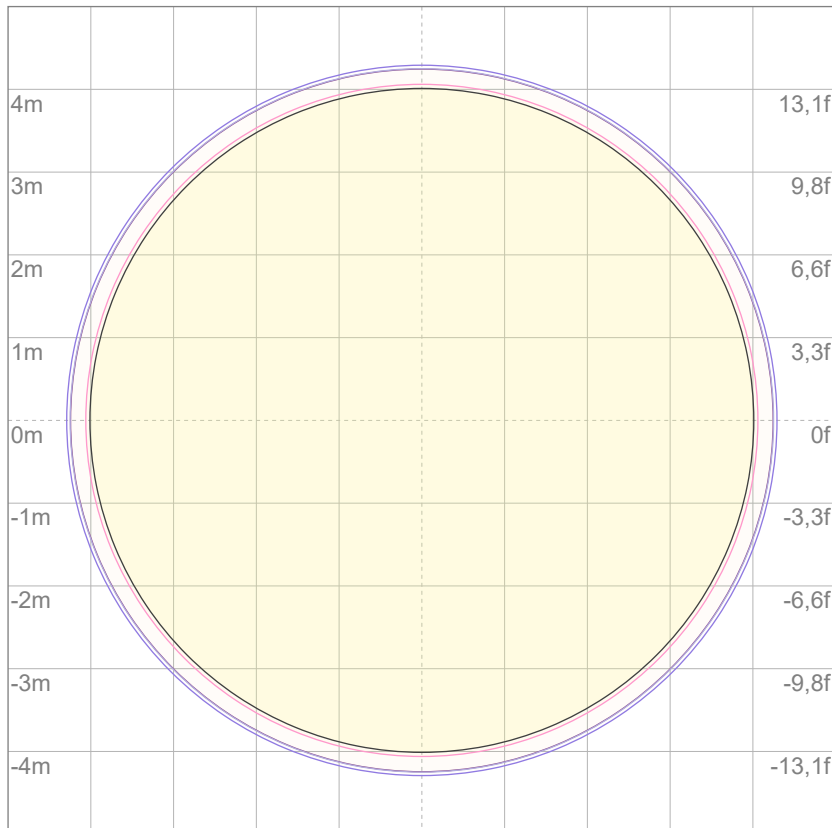
10%	721 cd
20%	1442 cd
30%	2163 cd
40%	2884 cd
50%	3606 cd
60%	4327 cd
70%	5048 cd
80%	5769 cd

Conditions:

Number of c-planes: 2

Candela at center: 7211 cd

ISO LUX DIAGRAM



3%	2,16 lx
5%	3,61 lx
10%	7,21 lx
30%	21,6 lx
50%	36,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 72,1 lx

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



Total lumen output:

2412 lm

Peak candela output:

29739 cd

Light quality:

CRI: 64,6

Color temperature:

3395 K

PRODUCT NAME:

JETSPOT120

MEASUREMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

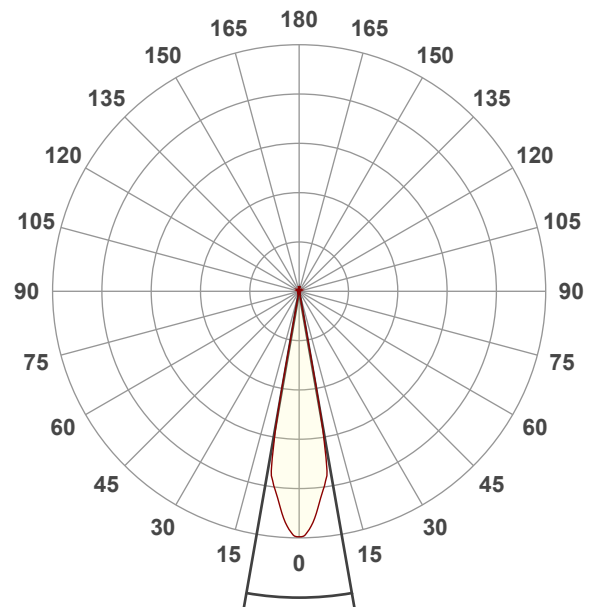
Full On + CTO 3200K

Operator:

Salvatore Giglio

Date and time:

17/12/2024 16:40:21

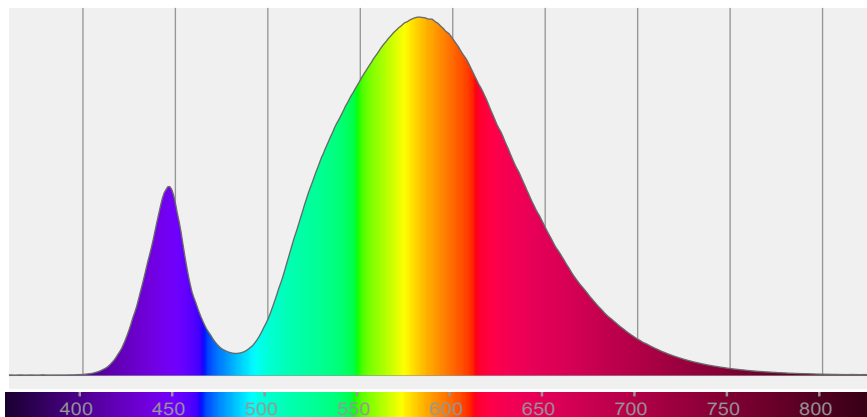


Beam angle 50%: 19,8°

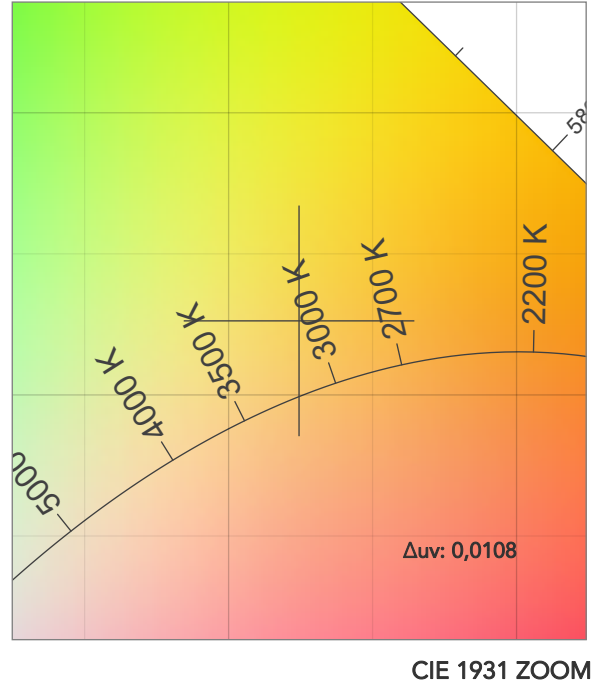
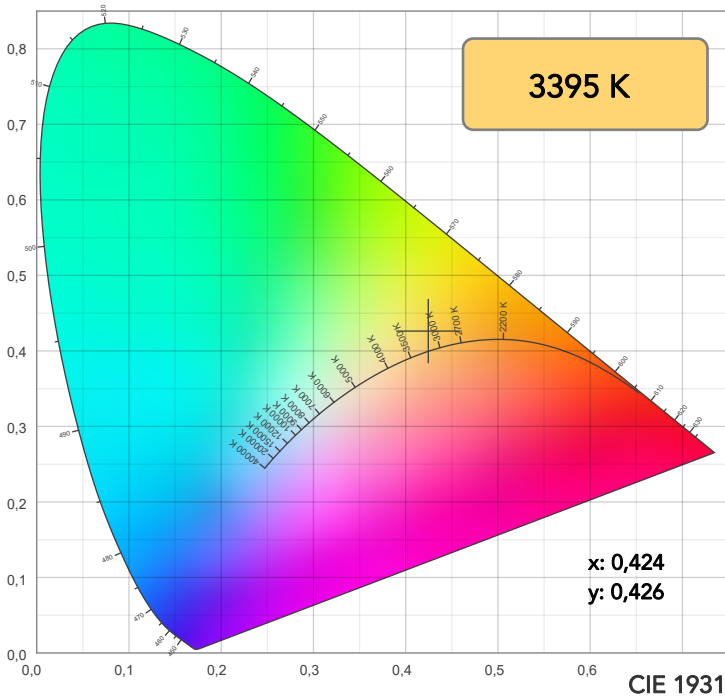
Field angle 10%: 21,5°

Cut off angle 2.5%: 22,4°

Spectra

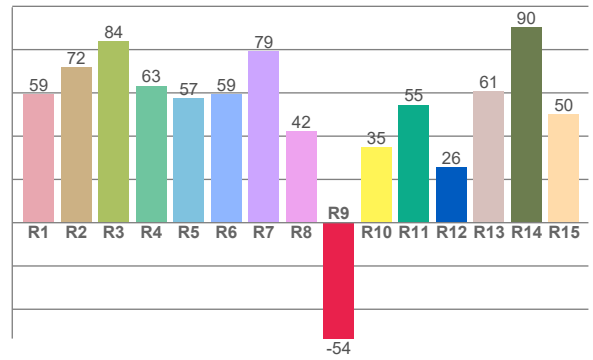
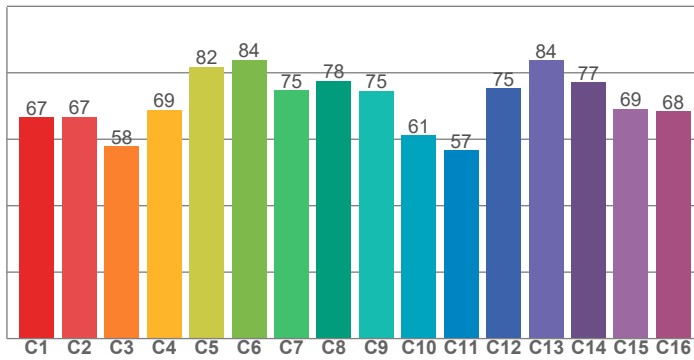


COLOR DETAILS



TM30: 70,7

CRI: 64,6 (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
59,3	72,0	83,7	63,3	57,4	59,4	79,4	42,3	-53,6	34,8	54,5	25,5	60,7	90,5	50,3

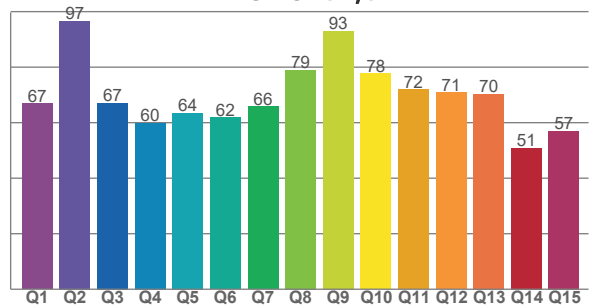
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
66,6	66,7	57,9	68,9	81,7	83,9	74,7	77,6	74,6	61,2	56,7	75,4	83,7	77,1	69,1	68,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
66,9	96,6	67,1	59,9	63,5	61,9	65,8	79,0	92,9	77,6	71,9	70,9	70,3	50,9	56,9

CQS: 67,8



COLOR PARAMETERS

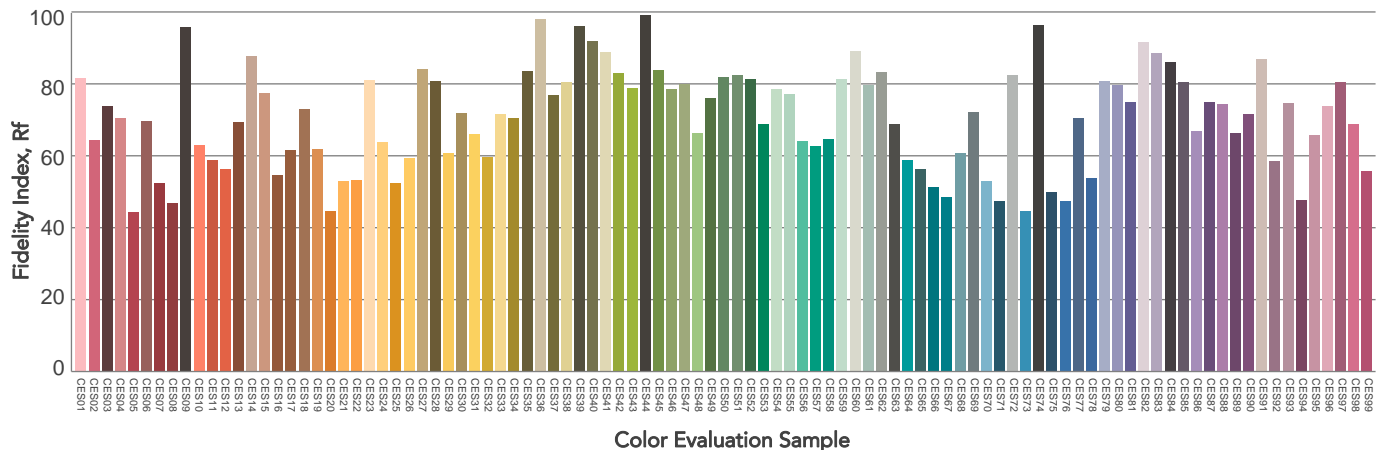
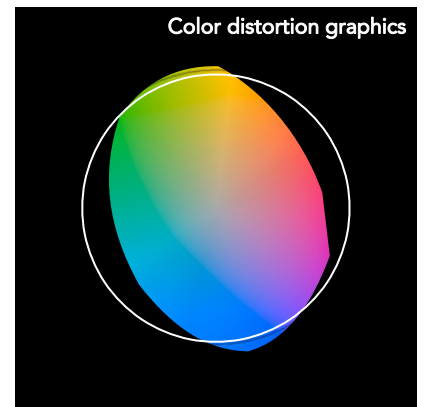
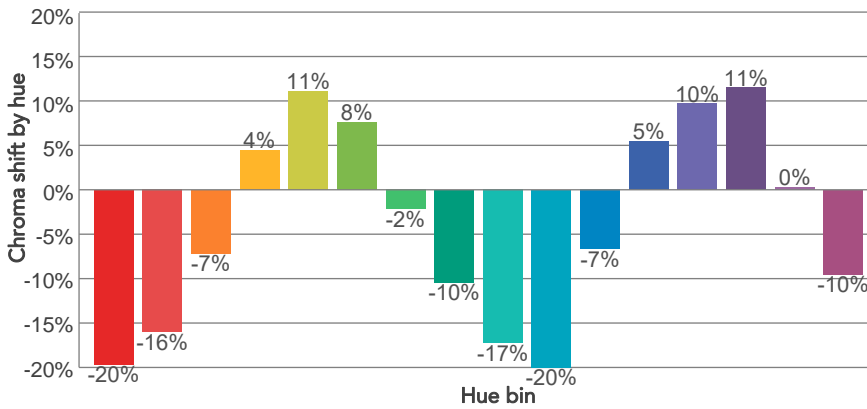
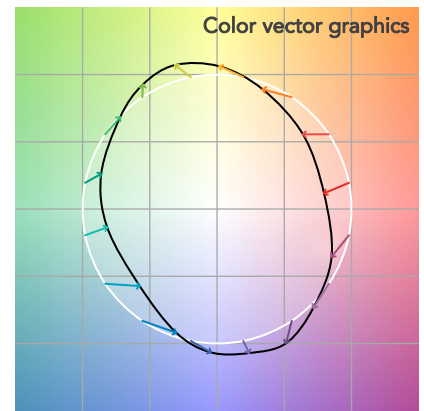
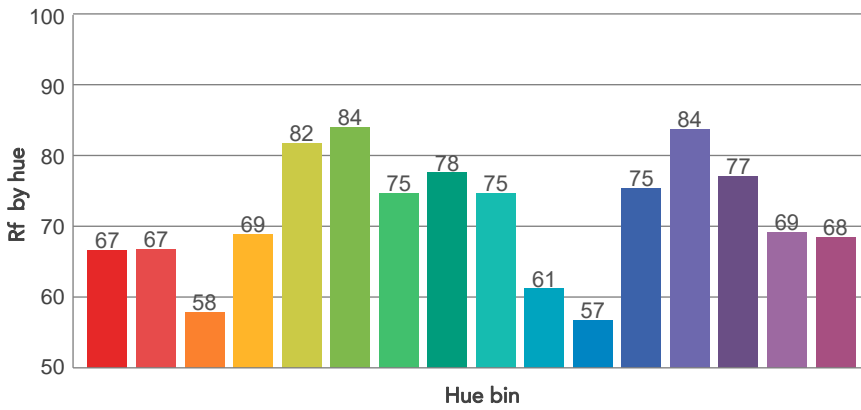
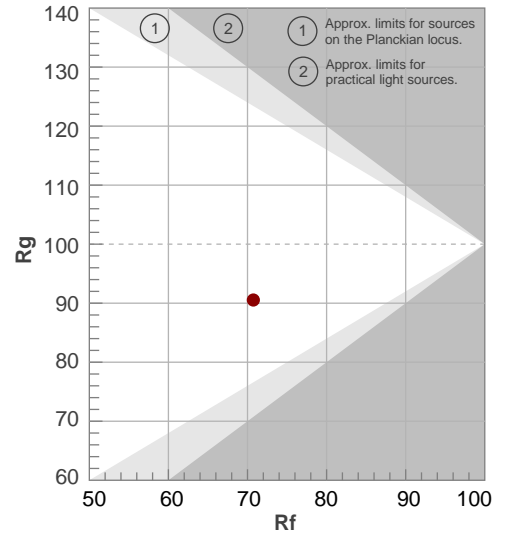
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3395 K	64,6	-53,6	70,7	90,5	67,8	40	0,424	0,426	0,0108

TM30 DETAILS

Rf 70,7
Fidelity index Rf

Rg 90,5
Gammut index

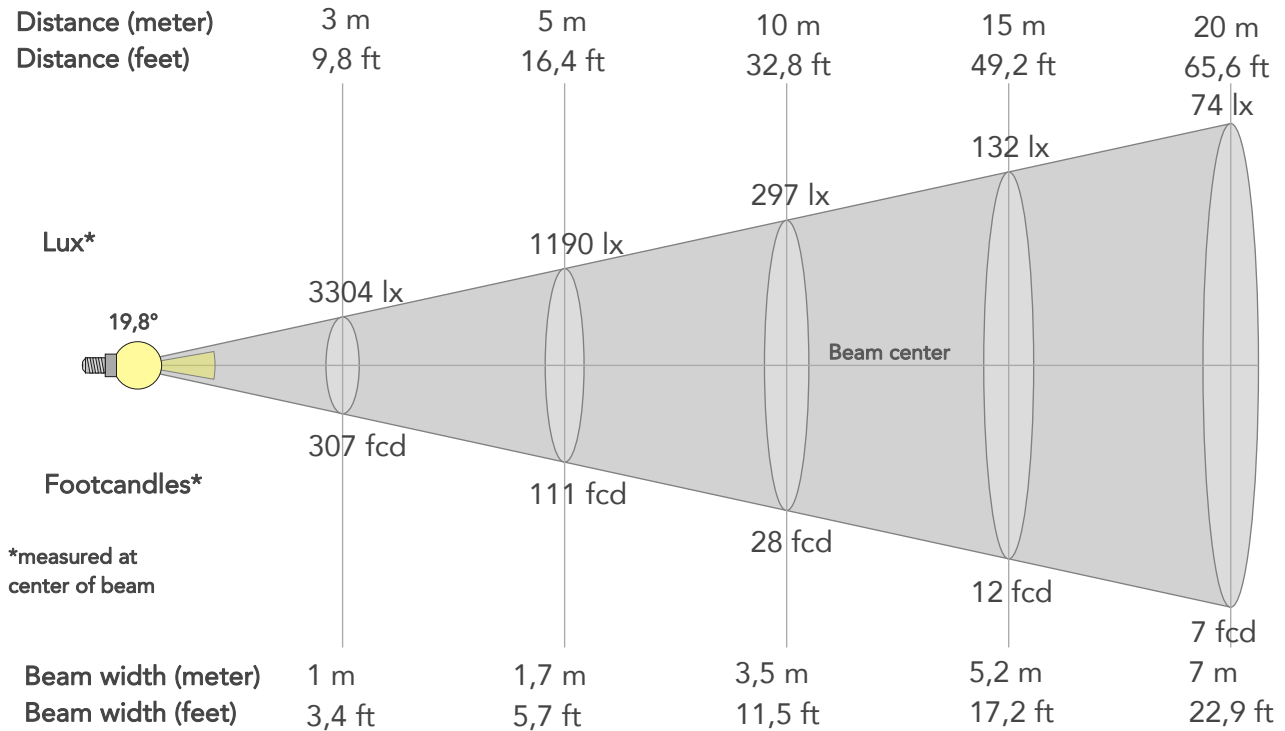
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	67	-20%	-4%
2	67	-16%	11%
3	58	-7%	21%
4	69	4%	19%
5	82	11%	10%
6	84	8%	-6%
7	75	-2%	-17%
8	78	-10%	-9%
9	75	-17%	-3%
10	61	-20%	16%
11	57	-7%	26%
12	75	5%	16%
13	84	10%	3%
14	77	11%	-13%
15	69	0%	-21%
16	68	-10%	-18%



BEAM DETAILS



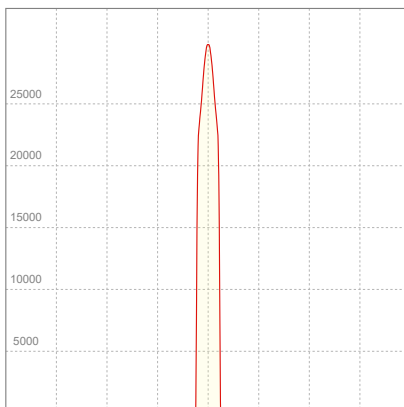
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
19,8°	21,5°	22,4°	99,9%	99,9%



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	29739lx	7435lx	3304lx	1859lx	1190lx	529lx	297lx	132lx	74lx	48lx	33lx	19lx	12lx
Footcand.	2763fcd	691fcd	307fcd	173fcd	111fcd	49fcd	28fcd	12fcd	7fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,3m	0,7m	1m	1,4m	1,7m	2,6m	3,5m	5,2m	7m	8,7m	10,5m	14m	17,5m
Beam wid.	1,2ft	2,3ft	3,4ft	4,6ft	5,7ft	8,6ft	11,5ft	17,2ft	22,9ft	28,7ft	34,4ft	45,8ft	57,3ft

LINEAR DISTRIBUTION DIAGRAM

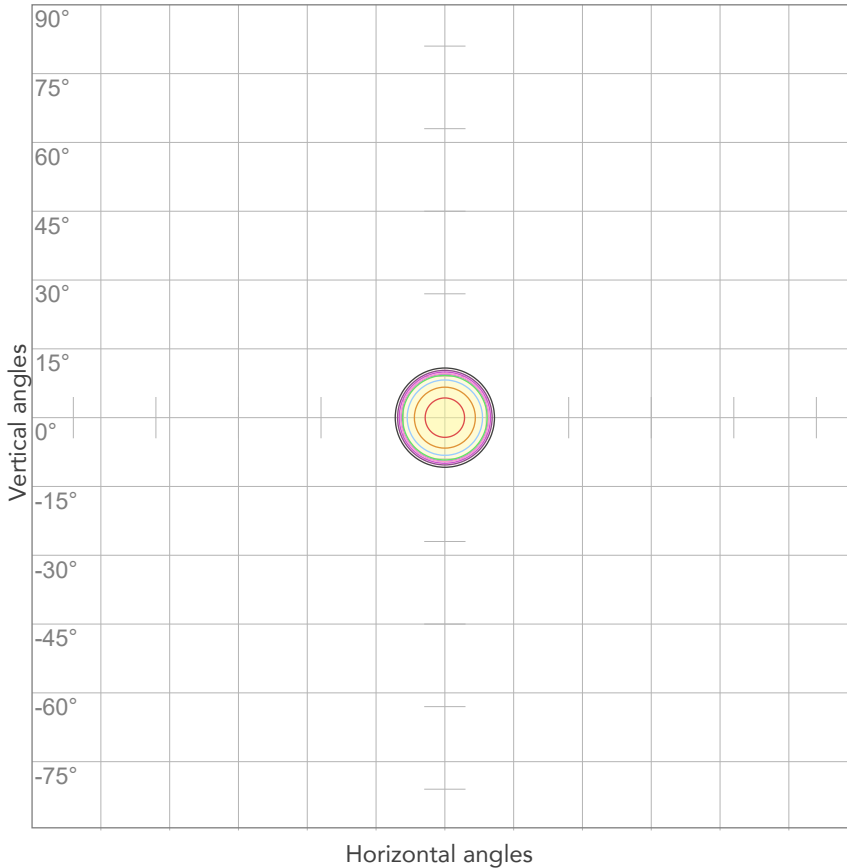


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,809A	180,7W	1,0	13lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



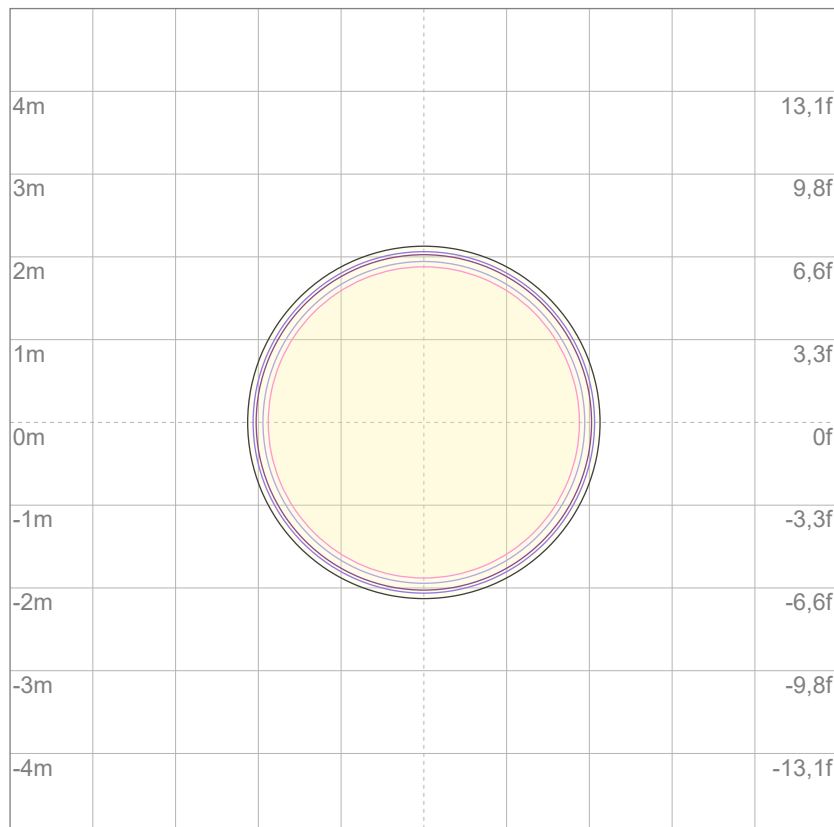
10%	2974 cd
20%	5948 cd
30%	8922 cd
40%	11896 cd
50%	14869 cd
60%	17843 cd
70%	20817 cd
80%	23791 cd

Conditions:

Number of c-planes: 2

Candela at center: 29739 cd

ISO LUX DIAGRAM



3%	8,92 lx
5%	14,9 lx
10%	29,7 lx
30%	89,2 lx
50%	149 lx

Conditions:

Number of c-planes: 2

Lux at center: 297 lx

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



Total lumen output:

1853 lm

Peak candela output:

96163 cd

Light quality:

CRI: 64,9

Color temperature:

3356 K

PRODUCT NAME:

JETSPOT120

MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

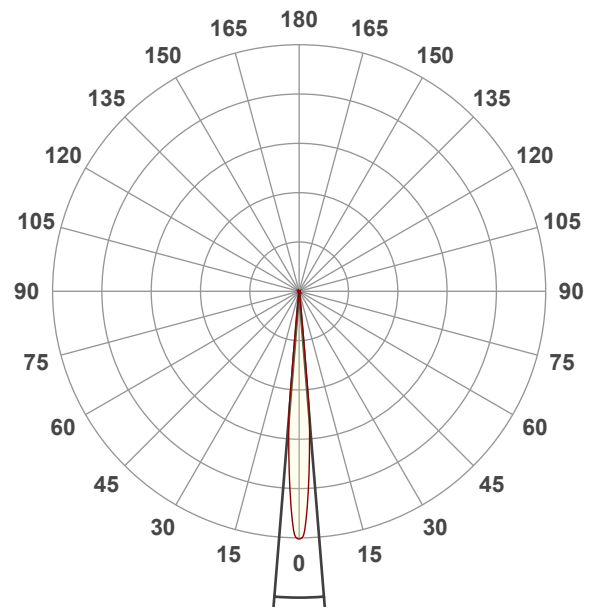
Full On + CTO 3200K

Operator:

Salvatore Giglio

Date and time:

17/12/2024 16:49:45

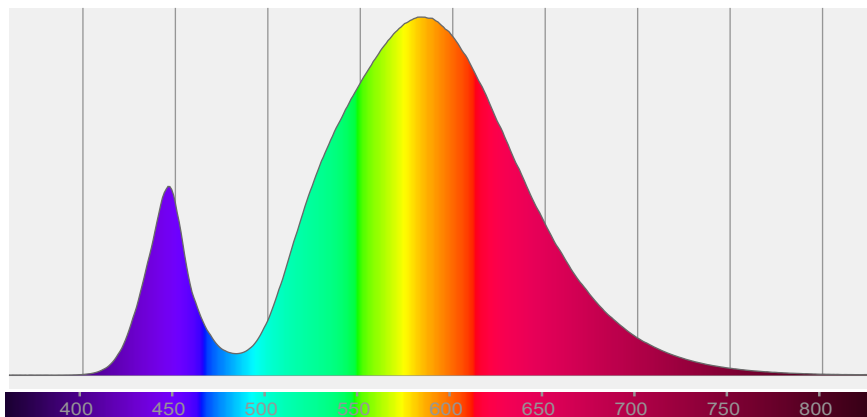


Beam angle 50%: 9,3°

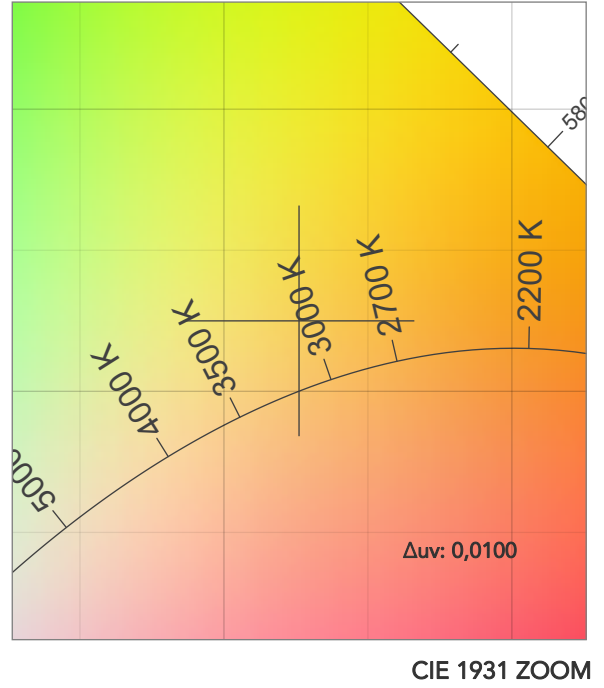
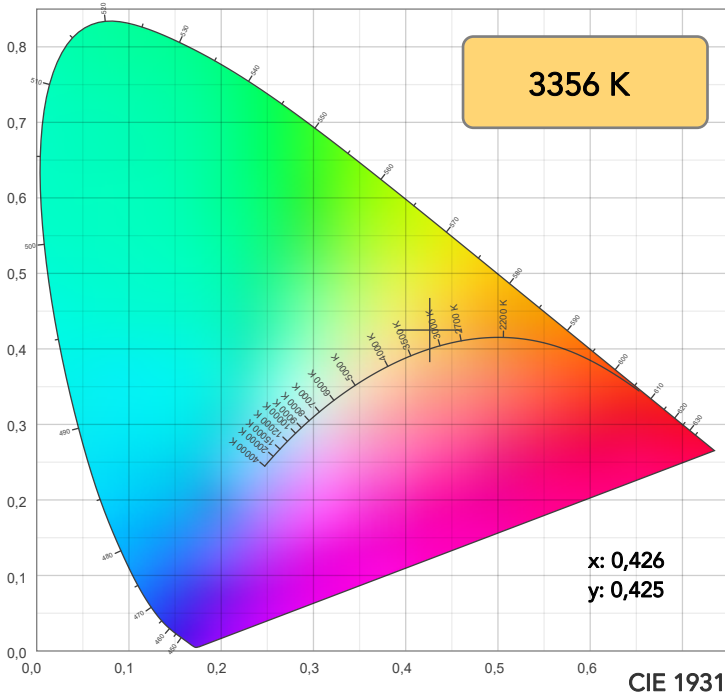
Field angle 10%: 11,7°

Cut off angle 2.5%: 13,1°

Spectra

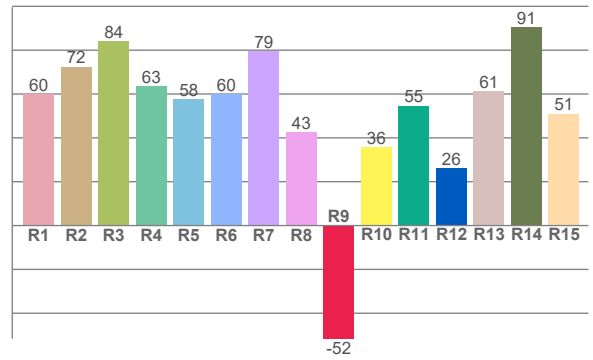
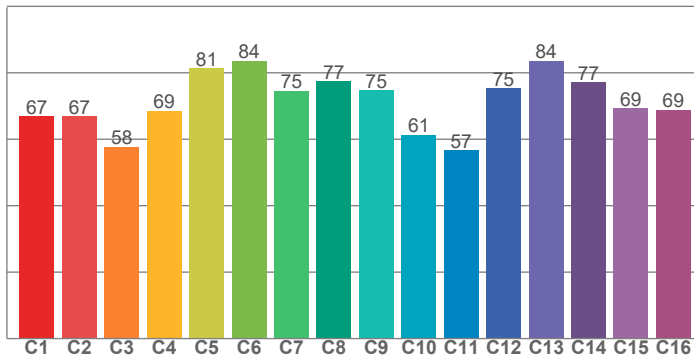


COLOR DETAILS



TM30: 70,7

CRI: 64,9 (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
59,8	72,4	83,9	63,4	57,7	59,9	79,4	42,6	-51,6	35,7	54,7	26,2	61,2	90,6	51,0

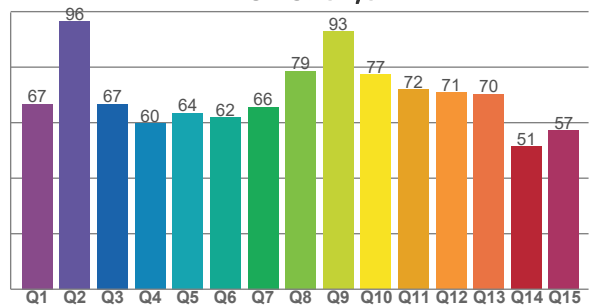
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
66,9	66,9	57,7	68,6	81,4	83,6	74,6	77,5	74,8	61,3	56,7	75,4	83,6	77,1	69,3	68,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
66,8	96,4	66,8	59,8	63,5	61,9	65,7	78,6	92,8	77,4	71,9	70,9	70,4	51,4	57,2

CQS: 67,8



COLOR PARAMETERS

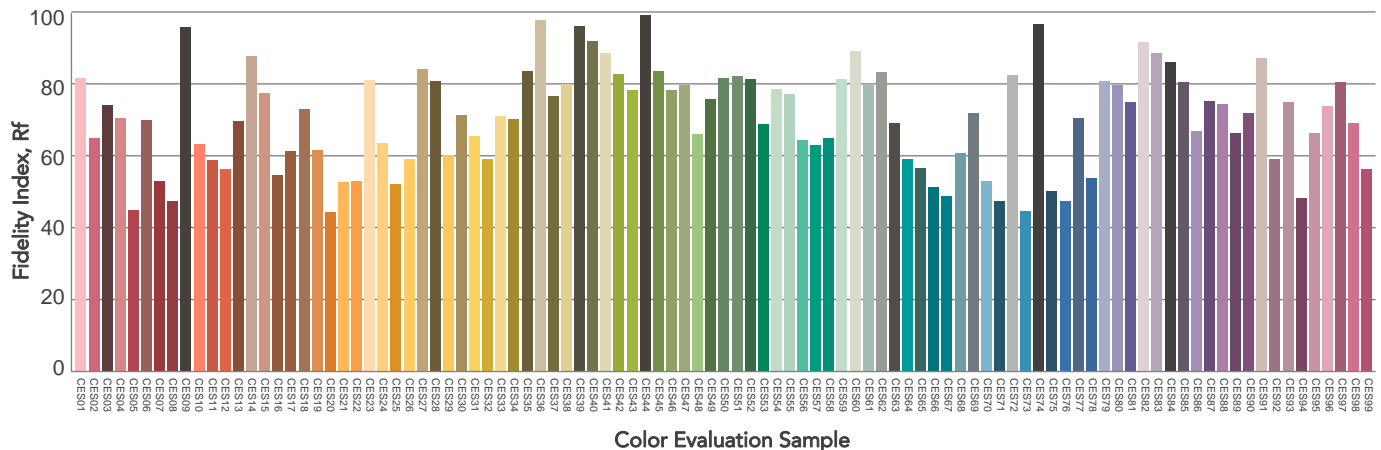
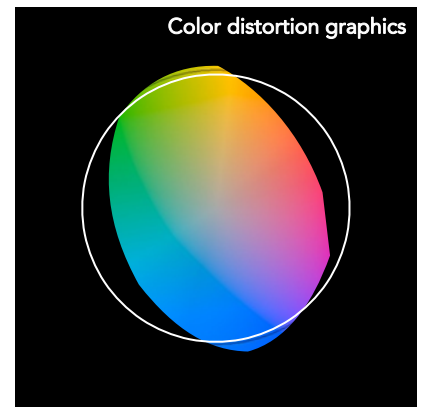
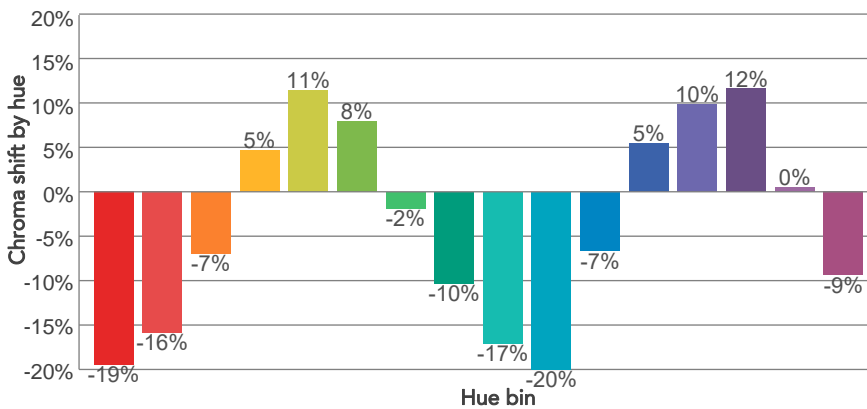
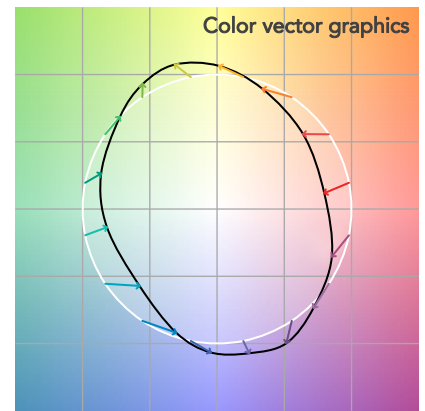
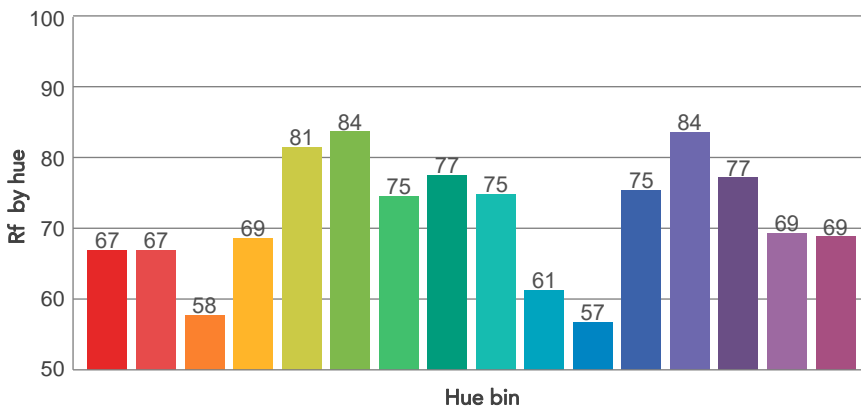
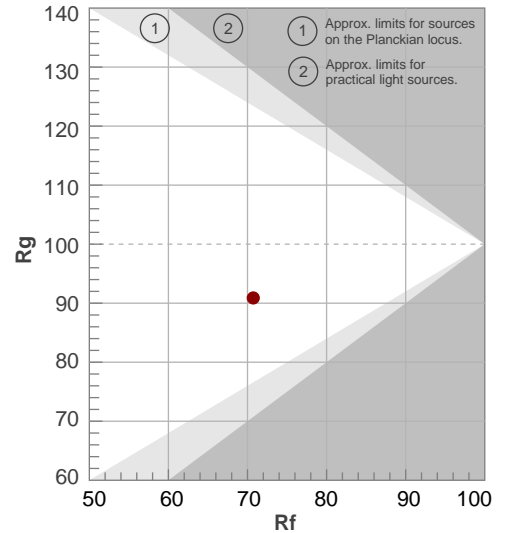
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3356 K	64,9	-51,6	70,7	90,9	67,8	40	0,426	0,425	0,0100

TM30 DETAILS

Rf 70,7
Fidelity index Rf

Rg 90,9
Gammut index

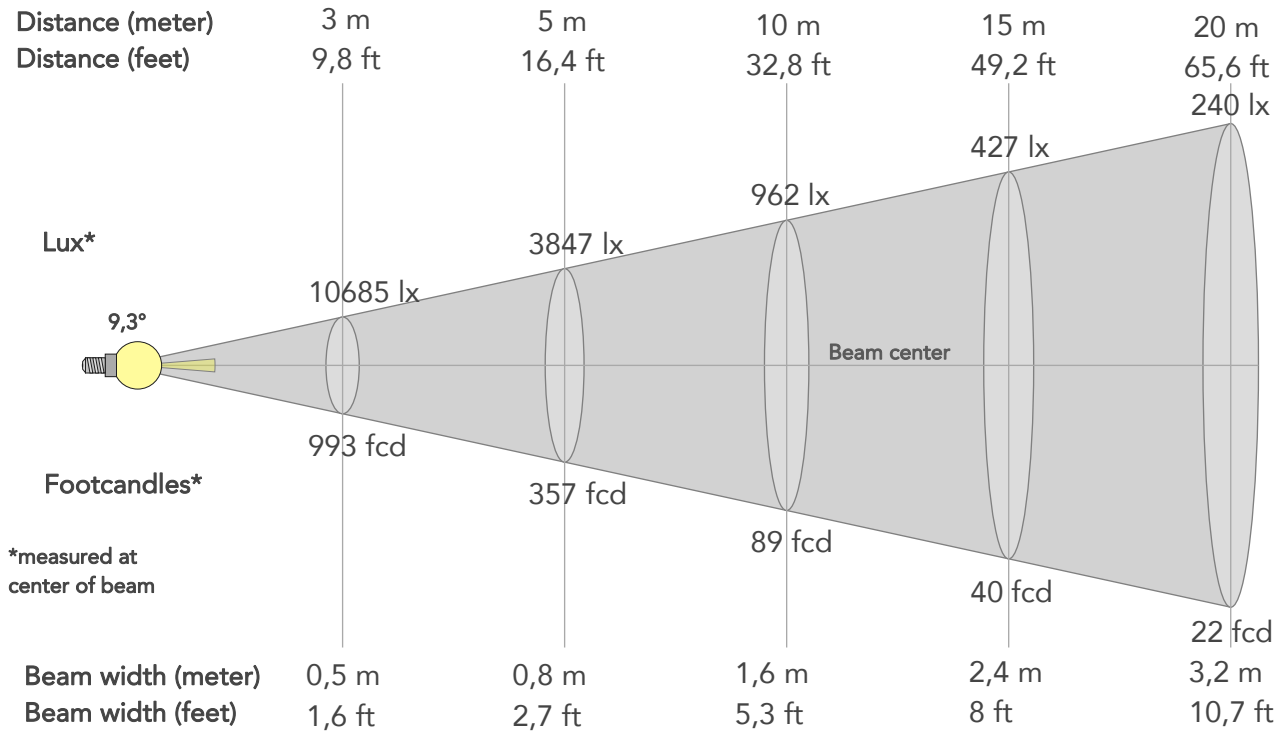
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	67	-19%	-4%
2	67	-16%	11%
3	58	-7%	21%
4	69	5%	19%
5	81	11%	10%
6	84	8%	-6%
7	75	-2%	-17%
8	77	-10%	-9%
9	75	-17%	-3%
10	61	-20%	16%
11	57	-7%	26%
12	75	5%	16%
13	84	10%	3%
14	77	12%	-13%
15	69	0%	-21%
16	69	-9%	-18%



BEAM DETAILS



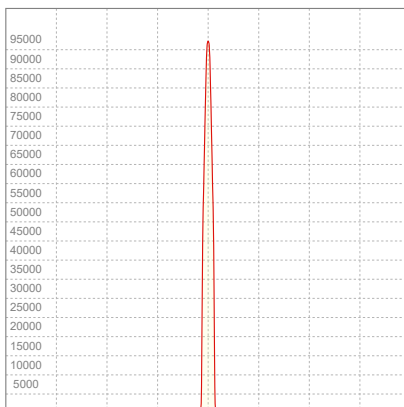
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,3°	11,7°	13,1°	100,0%	99,9%



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	96163lx	24041lx	10685lx	6010lx	3847lx	1710lx	962lx	427lx	240lx	154lx	107lx	60lx	38lx
Footcand.	8934fcd	2233fcd	993fcd	558fcd	357fcd	159fcd	89fcd	40fcd	22fcd	14fcd	10fcd	6fcd	4fcd
Beam wid.	0,2m	0,3m	0,5m	0,6m	0,8m	1,2m	1,6m	2,4m	3,2m	4,1m	4,9m	6,5m	8,1m
Beam wid.	0,5ft	1,1ft	1,6ft	2,1ft	2,7ft	4ft	5,3ft	8ft	10,7ft	13,3ft	16ft	21,3ft	26,6ft

LINEAR DISTRIBUTION DIAGRAM

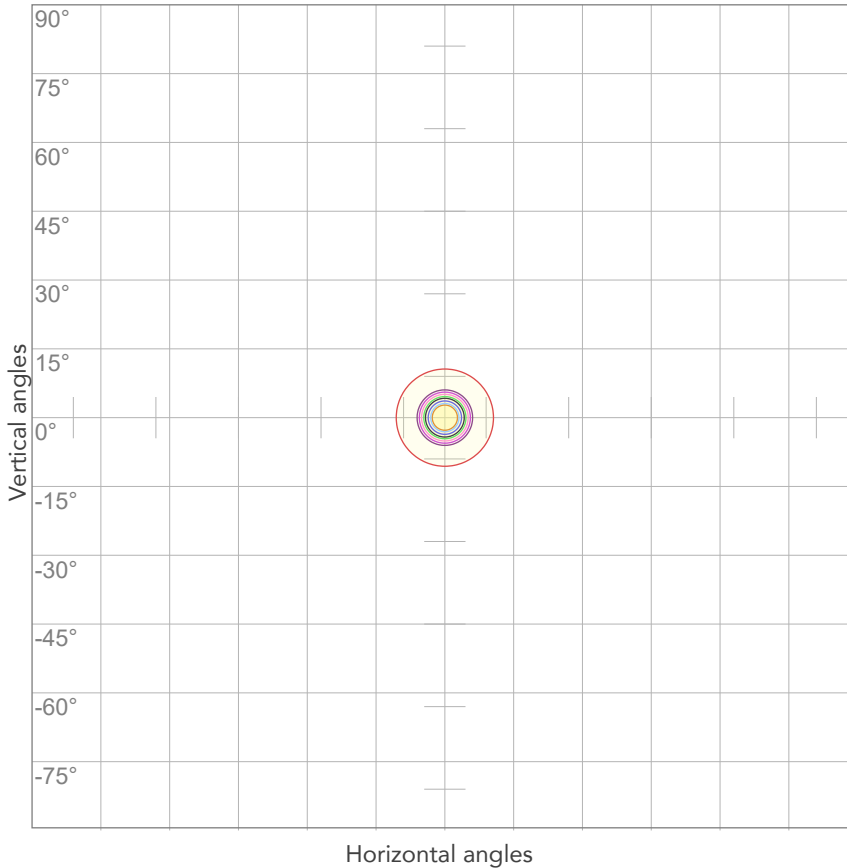


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,813A	180,8W	0,99	10lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



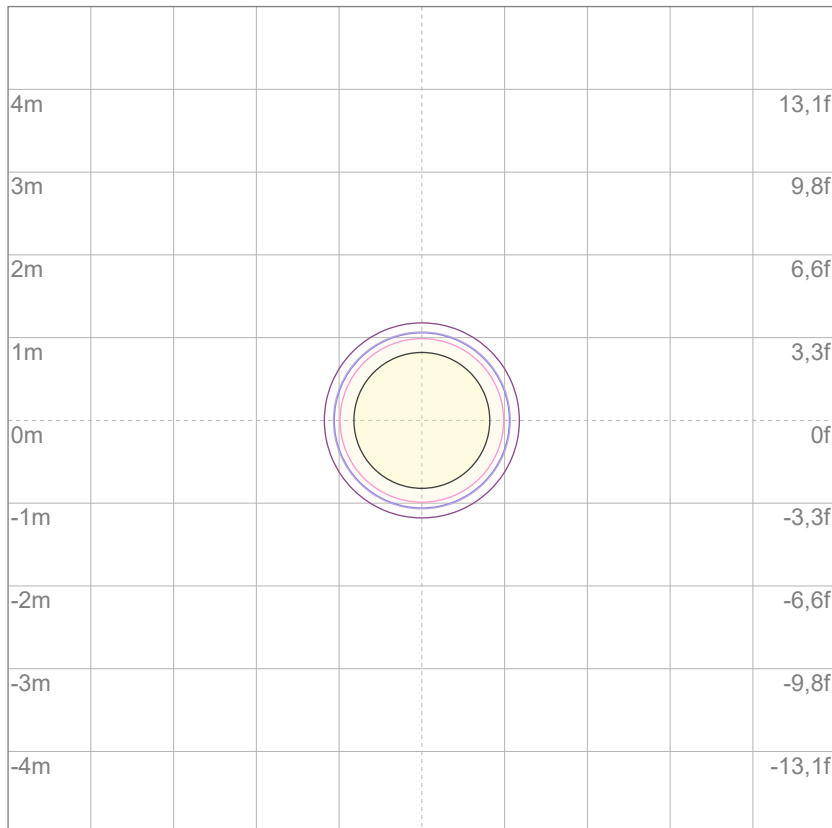
10%	9616 cd
20%	19233 cd
30%	28849 cd
40%	38465 cd
50%	48082 cd
60%	57698 cd
70%	67314 cd
80%	76931 cd

Conditions:

Number of c-planes: 2

Candela at center: 96163 cd

ISO LUX DIAGRAM



3%	28,8 lx
5%	48,1 lx
10%	96,2 lx
30%	288 lx
50%	481 lx

Conditions:

Number of c-planes: 2

Lux at center: 962 lx

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