

Photometric Test Report



Astra Profile1200IP

Testa mobile profile IP65 1200W, con sorgente
LED 7000K, zoom 5° - 50°

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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:

54599 lm

Peak candela output:

102764 cd

Light quality:

CRI: 69,4

Color temperature:

6746 K

PRODUCT NAME:
ASTRAPROFILE1200IP

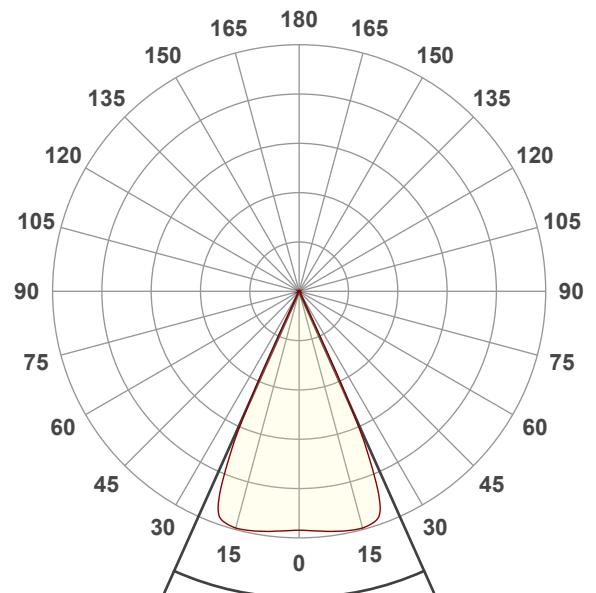
MEASURAMENT CONDITIONS:

Beam angle:
Max Zoom

Target:
Full On

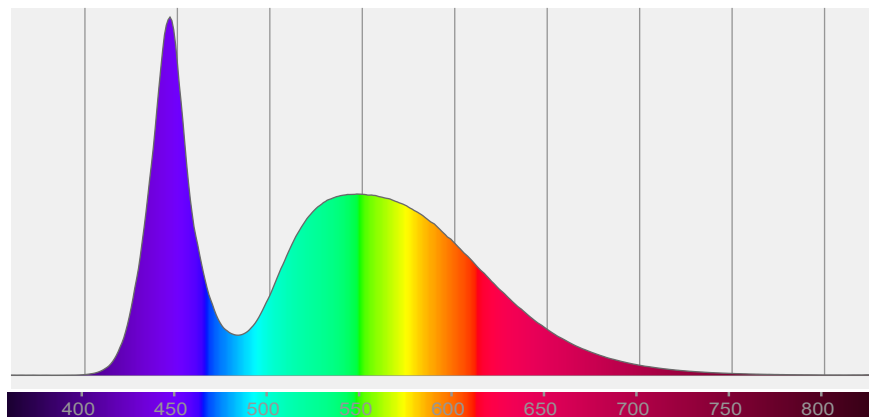
Operator:
Giuseppe della Peruta

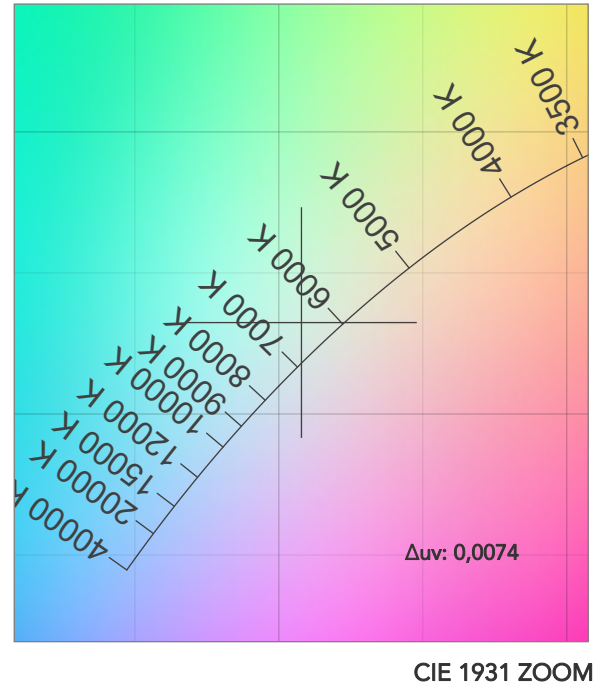
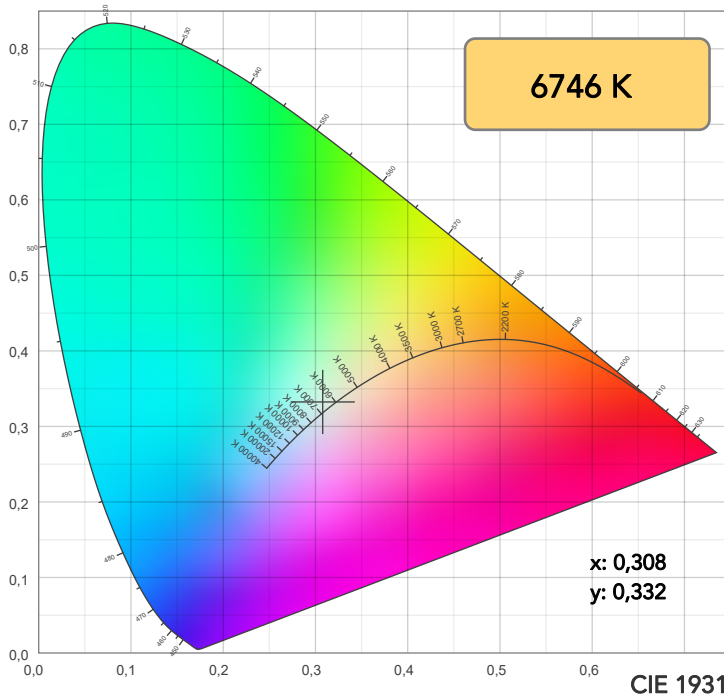
Date and time:
11/11/2025 11:46:14



Beam angle 50%: 48,2°
Field angle 10%: 50,9°
Cut off angle 2.5%: 52,2°

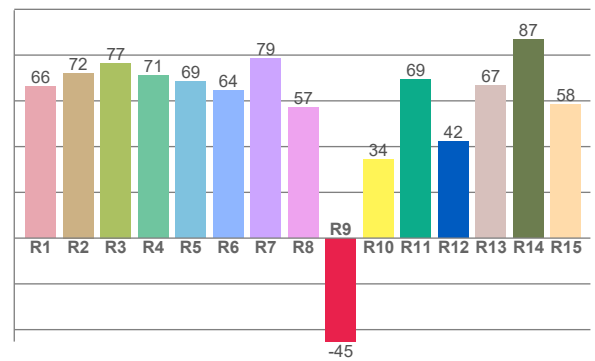
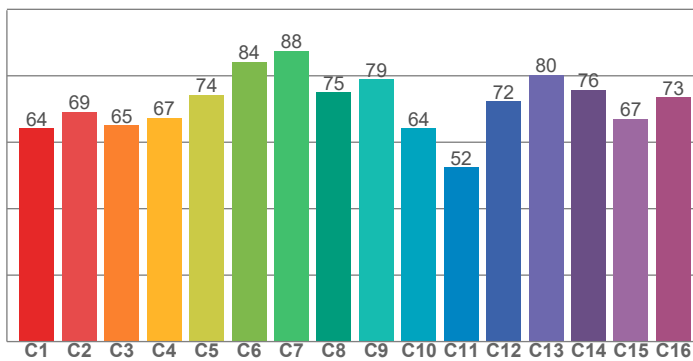
Spectra





TM30: 71,7

CRI: 69,4 (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
66,2	72,2	76,6	71,0	68,6	64,4	78,6	57,2	-45,2	34,5	69,3	42,2	66,6	86,9	58,5

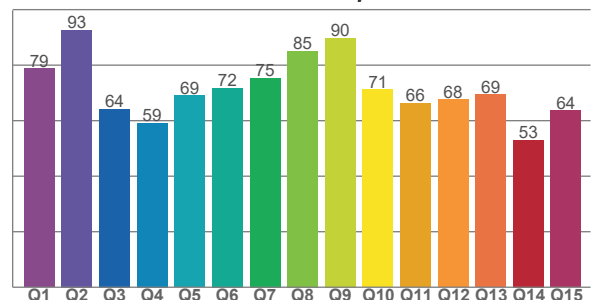
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
64,3	69,2	65,0	67,4	74,3	84,2	87,5	75,0	79,0	64,2	52,5	72,3	80,3	75,8	67,1	73,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78,7	92,6	64,2	59,2	69,1	71,7	75,4	85,1	89,8	71,2	66,3	67,6	69,4	53,0	63,7

CQS: 69,9



COLOR PARAMETERS

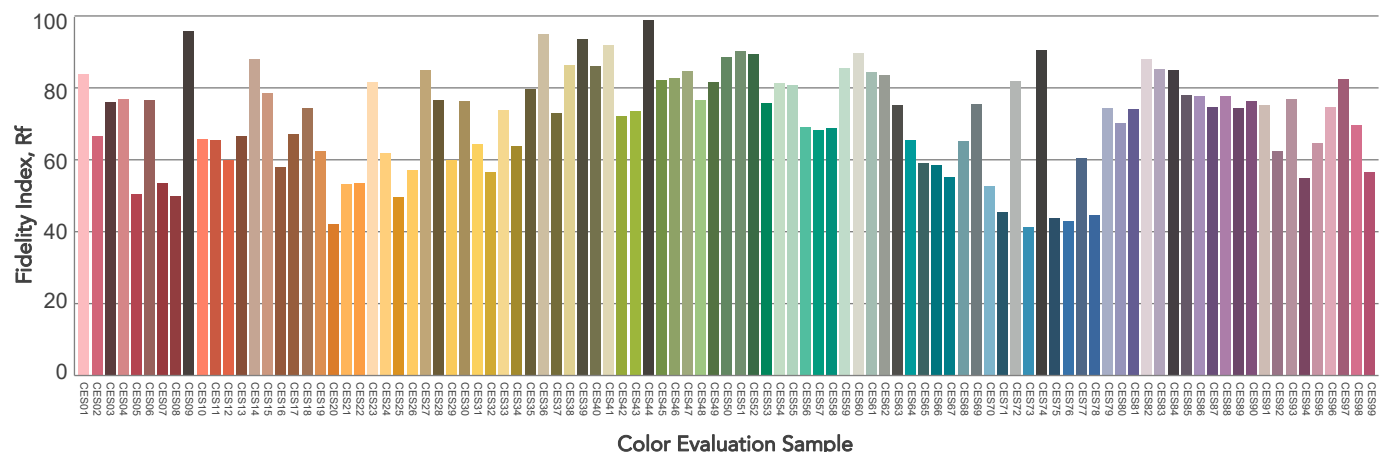
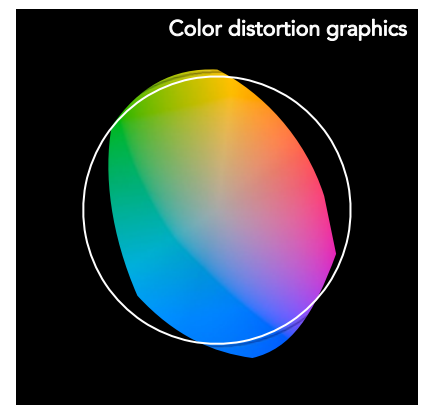
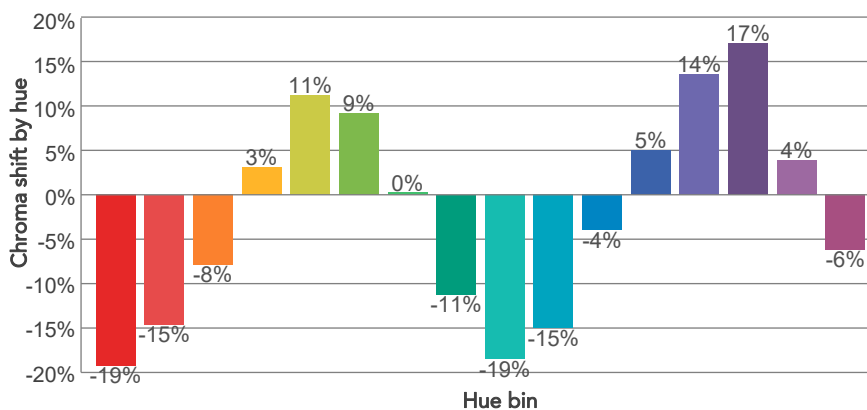
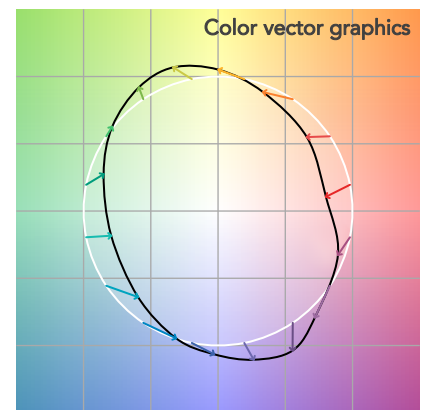
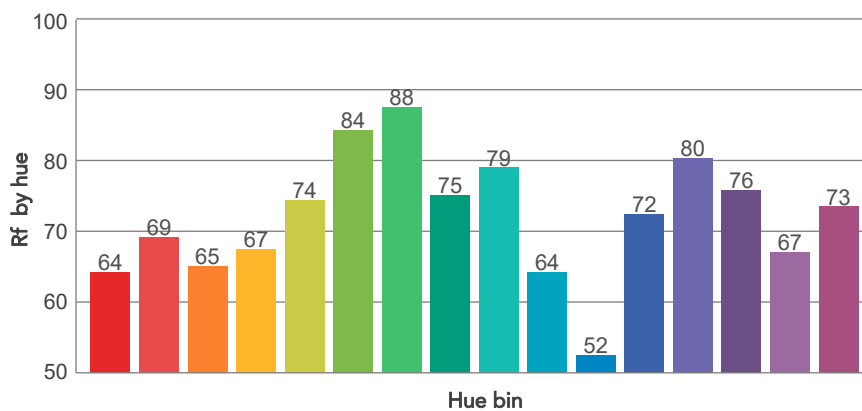
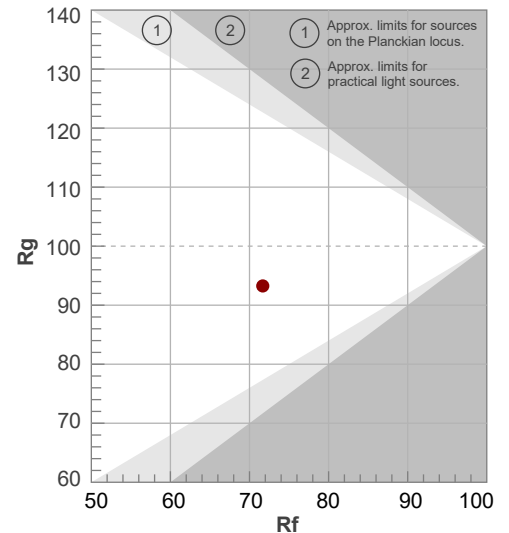
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6746 K	69,4	-45,2	71,7	93,3	69,9	47	0,308	0,332	0,0074

TM30 DETAILS

Rf 71,7
Fidelity index Rf

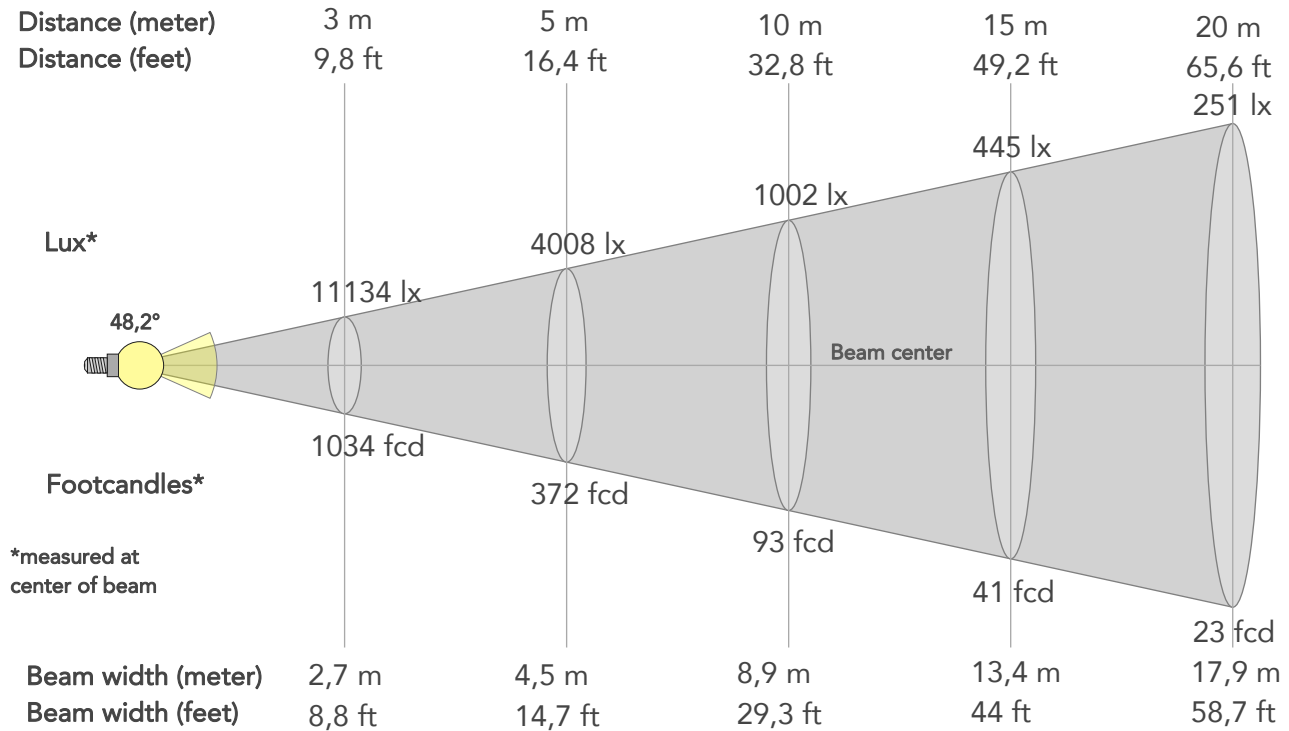
Rg 93,3
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	64	-19%	-5%
2	69	-15%	9%
3	65	-8%	21%
4	67	3%	20%
5	74	11%	12%
6	84	9%	-2%
7	88	0%	-8%
8	75	-11%	-10%
9	79	-19%	2%
10	64	-15%	20%
11	52	-4%	27%
12	72	5%	18%
13	80	14%	4%
14	76	17%	-12%
15	67	4%	-26%
16	73	-6%	-15%



BEAM DETAILS

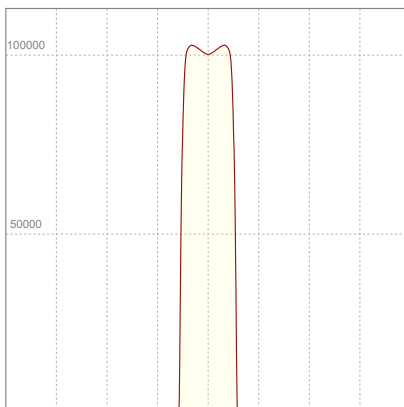
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48,2°	50,9°	52,2°	99,9%	99,8%



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	100209lx	25052lx	11134lx	6263lx	4008lx	1781lx	1002lx	445lx	251lx	160lx	111lx	63lx	40lx
Footcand.	9310fcd	2327fcd	1034fcd	582fcd	372fcd	166fcd	93fcd	41fcd	23fcd	15fcd	10fcd	6fcd	4fcd
Beam wid.	0,9m	1,8m	2,7m	3,6m	4,5m	6,7m	8,9m	13,4m	17,9m	22,4m	26,8m	35,8m	44,7m
Beam wid.	3ft	5,9ft	8,8ft	11,7ft	14,7ft	22ft	29,3ft	44ft	58,7ft	73,3ft	88ft	117,3ft	146,6ft

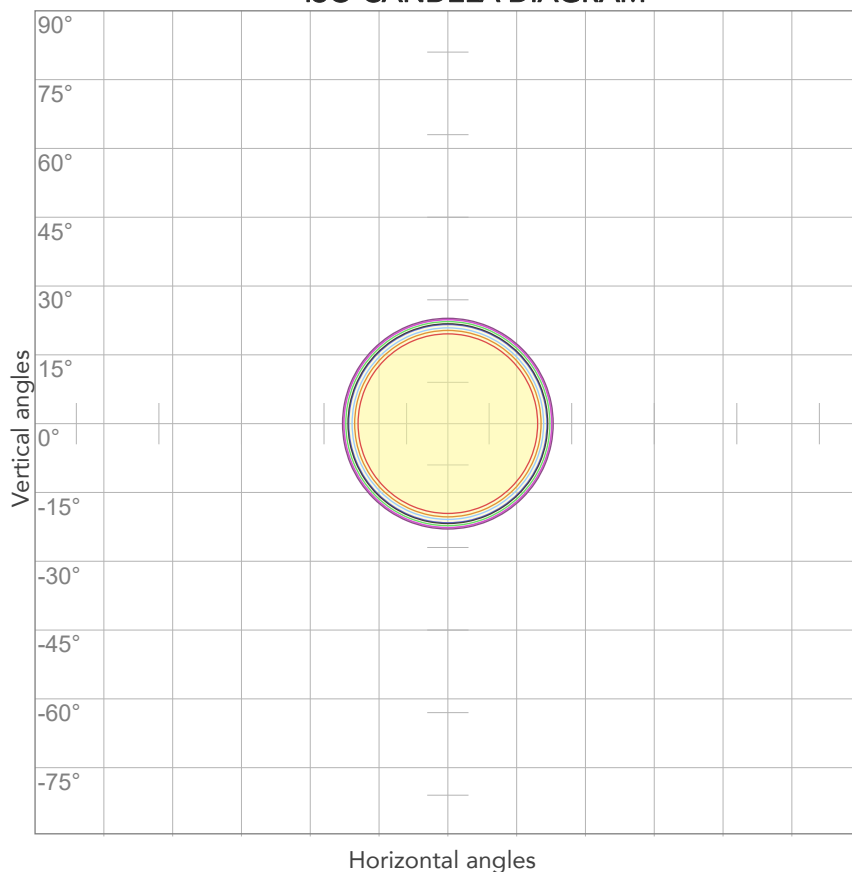
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
222V	7,79A	1667W	0,96	33lm/W

ISO CANDELA DIAGRAM



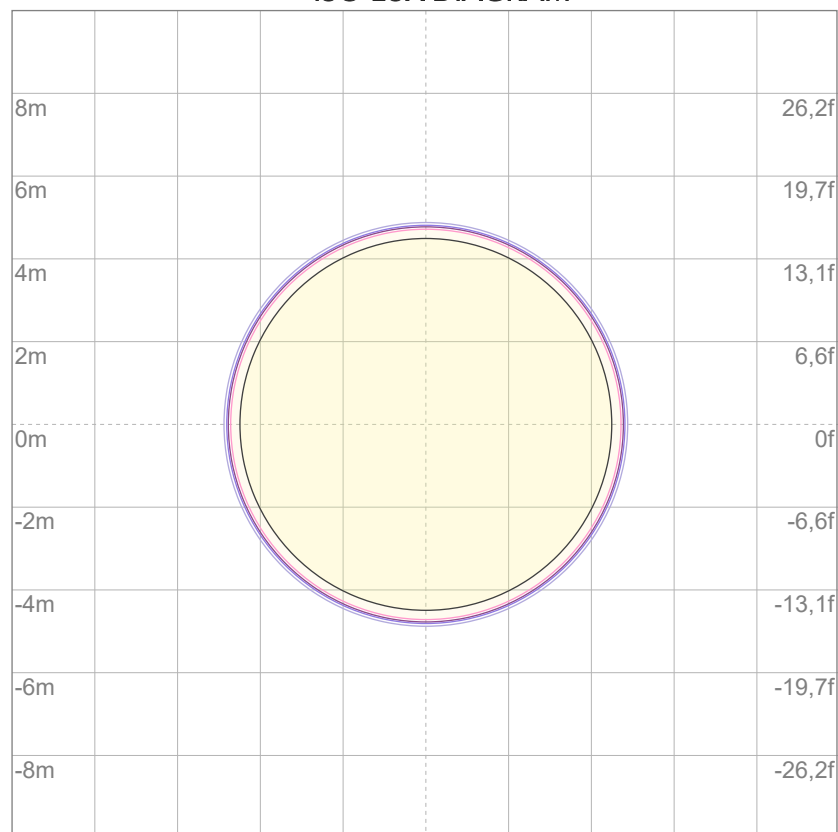
10%	10021 cd
20%	20042 cd
30%	30063 cd
40%	40084 cd
50%	50104 cd
60%	60125 cd
70%	70146 cd
80%	80167 cd

Conditions:

Number of c-planes: 2

Candela at center: 100209 cd

ISO LUX DIAGRAM



3%	30,1 lx
5%	50,1 lx
10%	100 lx
30%	301 lx
50%	501 lx

Conditions:

Number of c-planes: 2

Lux at center: 1002 lx

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



Total lumen output:

53957 lm

Peak candela output:

597523 cd

Light quality:

CRI: 69,6

Color temperature:

6762 K

PRODUCT NAME:
ASTRAPROFILE1200IP

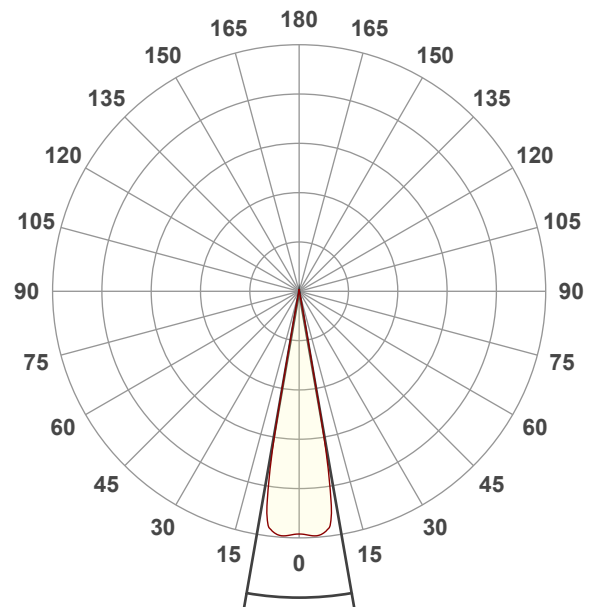
MEASURAMENT CONDITIONS:

Beam angle:
Med Zoom

Target:
Full On

Operator:
Giuseppe della Peruta

Date and time:
11/11/2025 11:39:59

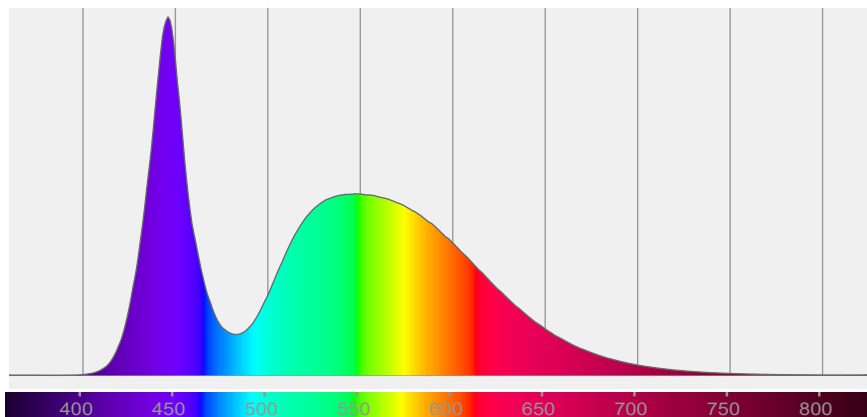


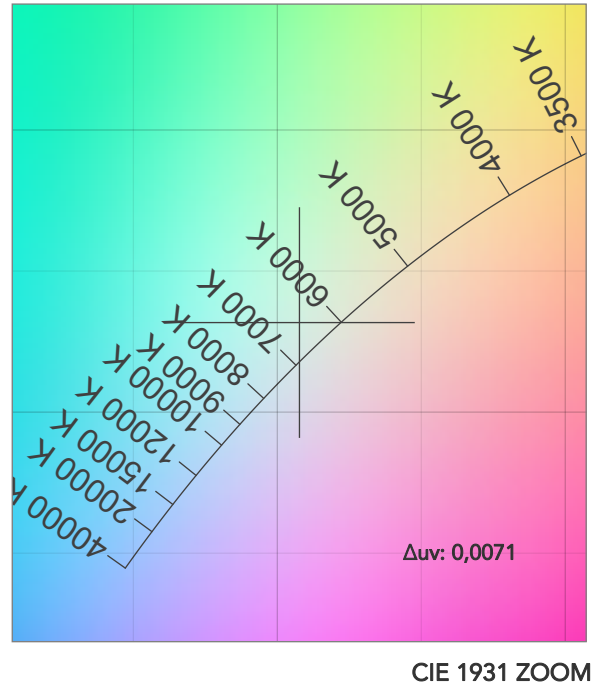
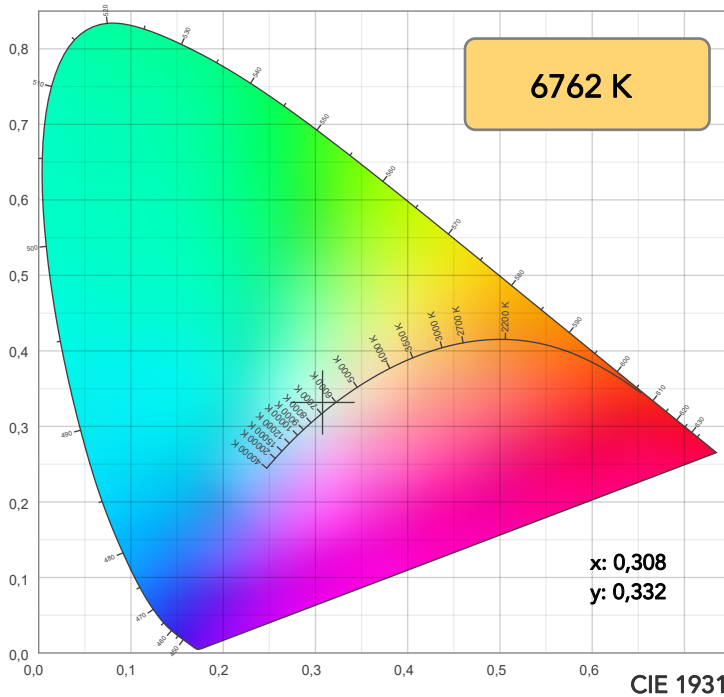
Beam angle 50%: 19,7°

Field angle 10%: 21,5°

Cut off angle 2.5%: 22,9°

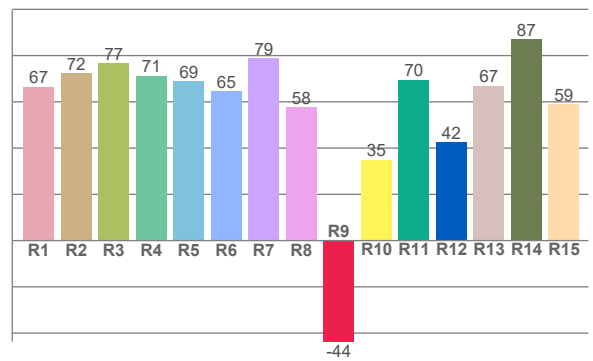
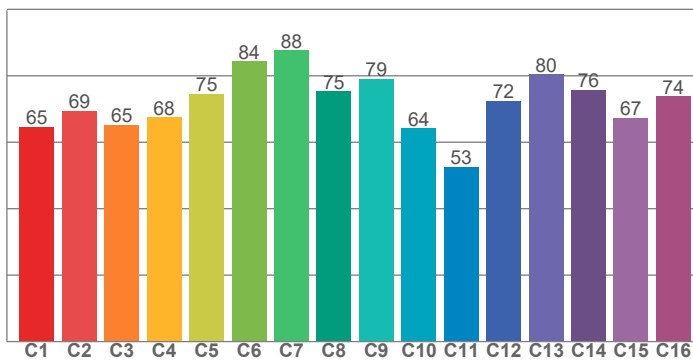
Spectra





TM30: 71,9

CRI: 69,6 (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
66,6	72,5	76,6	71,3	68,9	64,7	78,9	57,6	-43,7	35,0	69,6	42,4	67,0	86,9	59,0

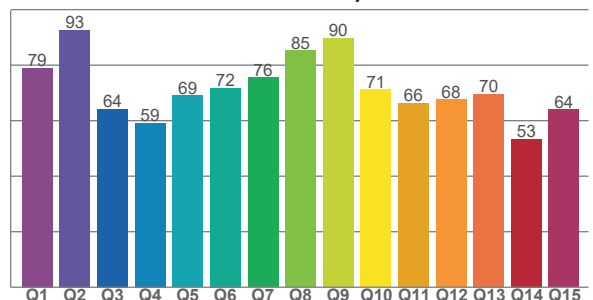
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
64,6	69,4	65,3	67,6	74,5	84,4	87,6	75,3	79,1	64,2	52,6	72,4	80,4	75,8	67,3	73,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
79,0	92,7	64,3	59,1	69,1	71,8	75,6	85,2	89,8	71,3	66,3	67,7	69,6	53,5	64,0

CQS: 70,0



COLOR PARAMETERS

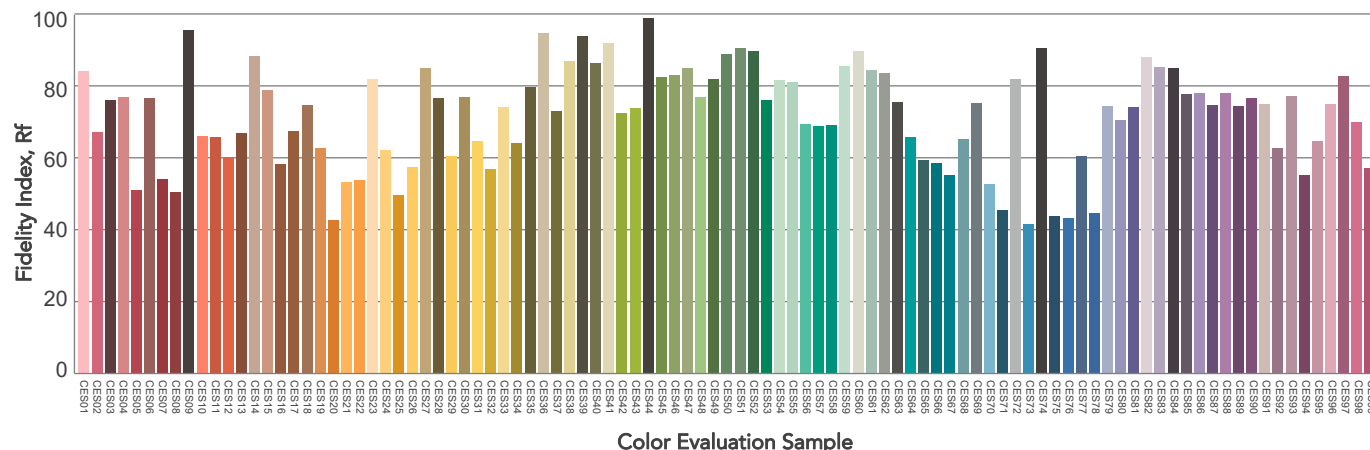
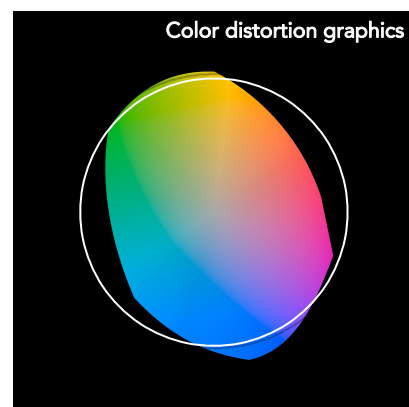
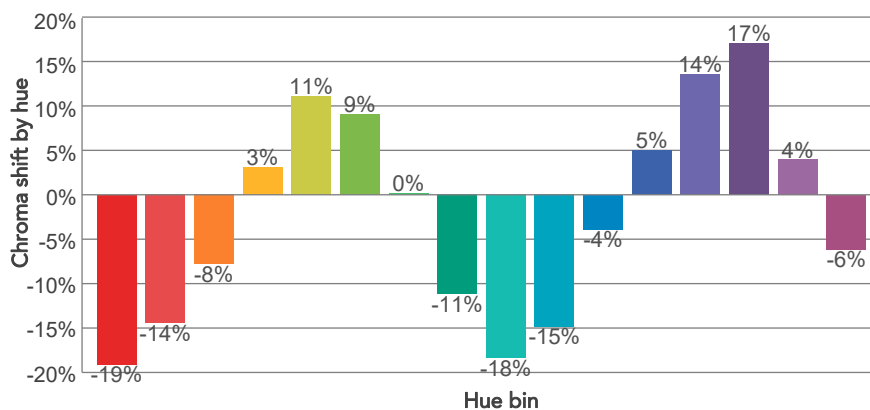
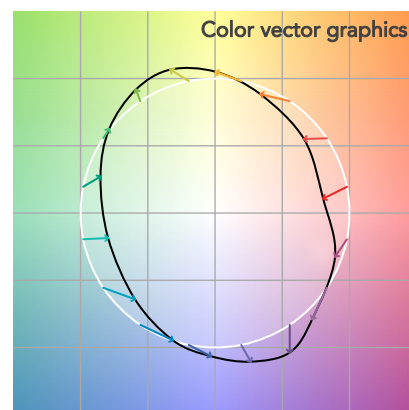
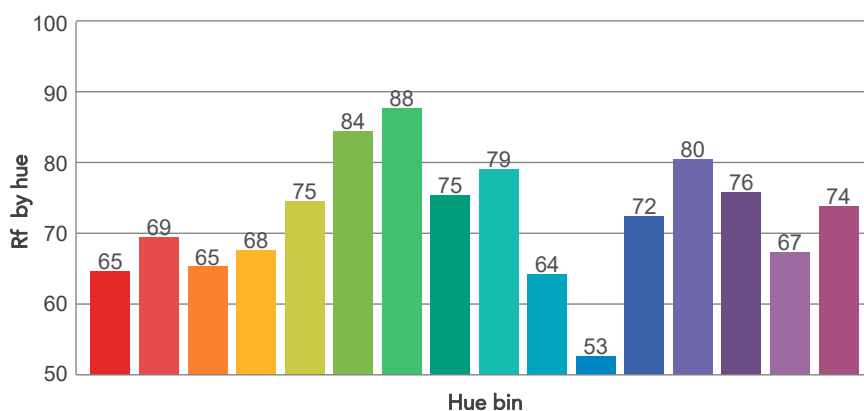
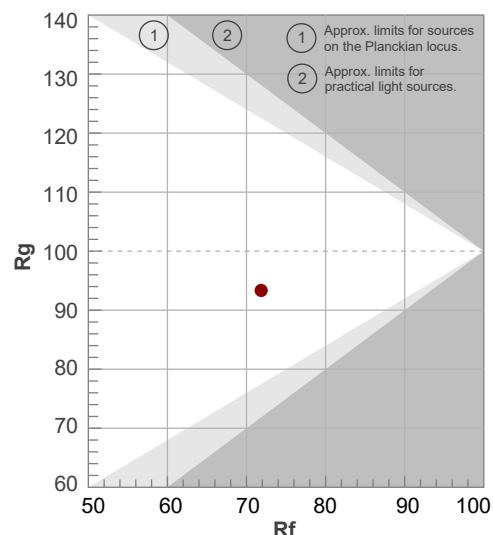
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6762 K	69,6	-43,7	71,9	93,3	70,0	48	0,308	0,332	0,0071

TM30 DETAILS

Rf 71,9
Fidelity index Rf

Rg 93,3
Gammut index

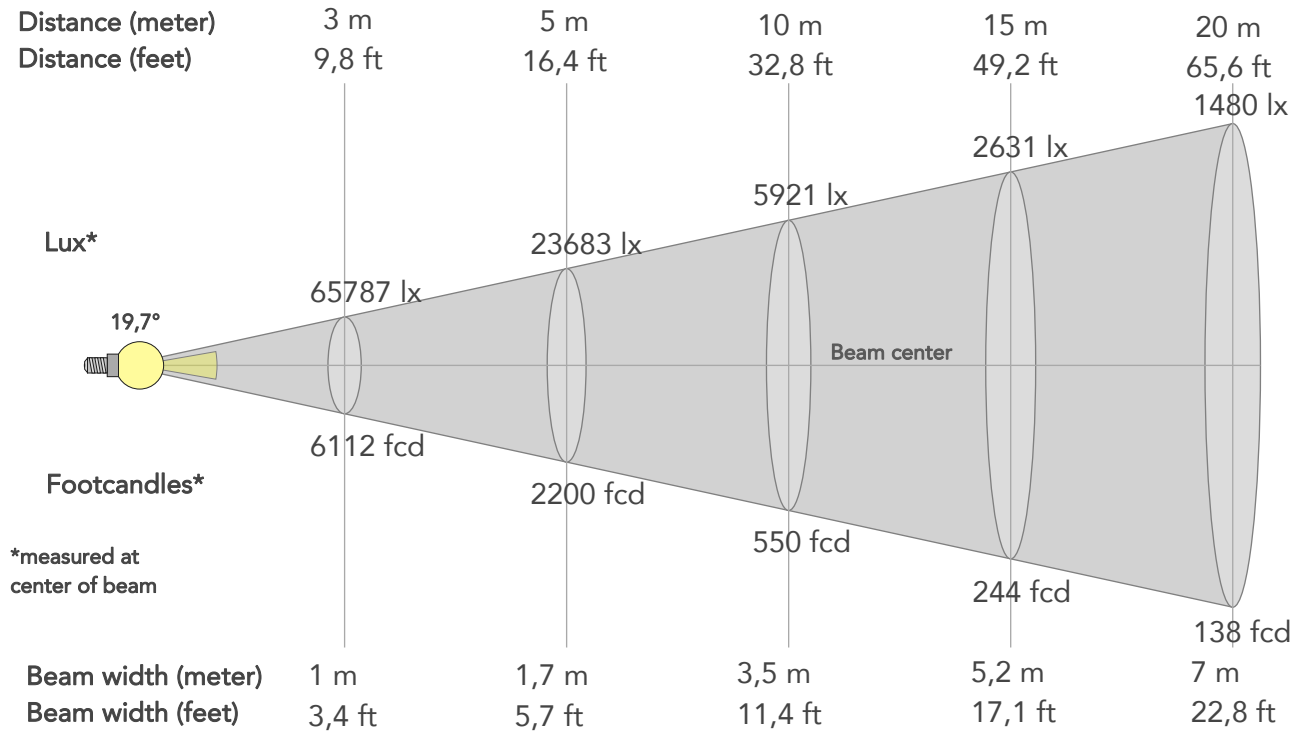
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	65	-19%	-5%
2	69	-14%	9%
3	65	-8%	21%
4	68	3%	20%
5	75	11%	12%
6	84	9%	-2%
7	88	0%	-8%
8	75	-11%	-10%
9	79	-18%	3%
10	64	-15%	20%
11	53	-4%	27%
12	72	5%	18%
13	80	14%	4%
14	76	17%	-11%
15	67	4%	-26%
16	74	-6%	-14%



BEAM DETAILS



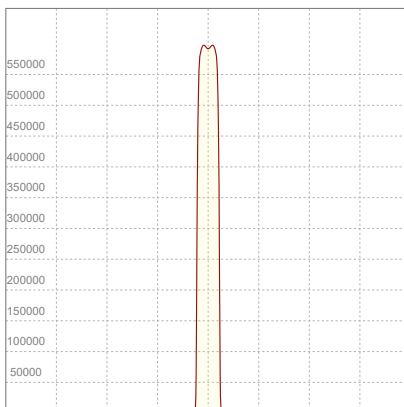
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
19,7°	21,5°	22,9°	100,0%	100,0%



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	592083lx	148021lx	65787lx	37005lx	23683lx	10526lx	5921lx	2631lx	1480lx	947lx	658lx	370lx	237lx
Footcand.	55006fcd	13752fcd	6112fcd	3438fcd	2200fcd	978fcd	550fcd	244fcd	138fcd	88fcd	61fcd	34fcd	22fcd
Beam wid.	0,3m	0,7m	1m	1,4m	1,7m	2,6m	3,5m	5,2m	7m	8,7m	10,4m	13,9m	17,4m
Beam wid.	1,1ft	2,3ft	3,4ft	4,6ft	5,7ft	8,6ft	11,4ft	17,1ft	22,8ft	28,5ft	34,3ft	45,7ft	57,1ft

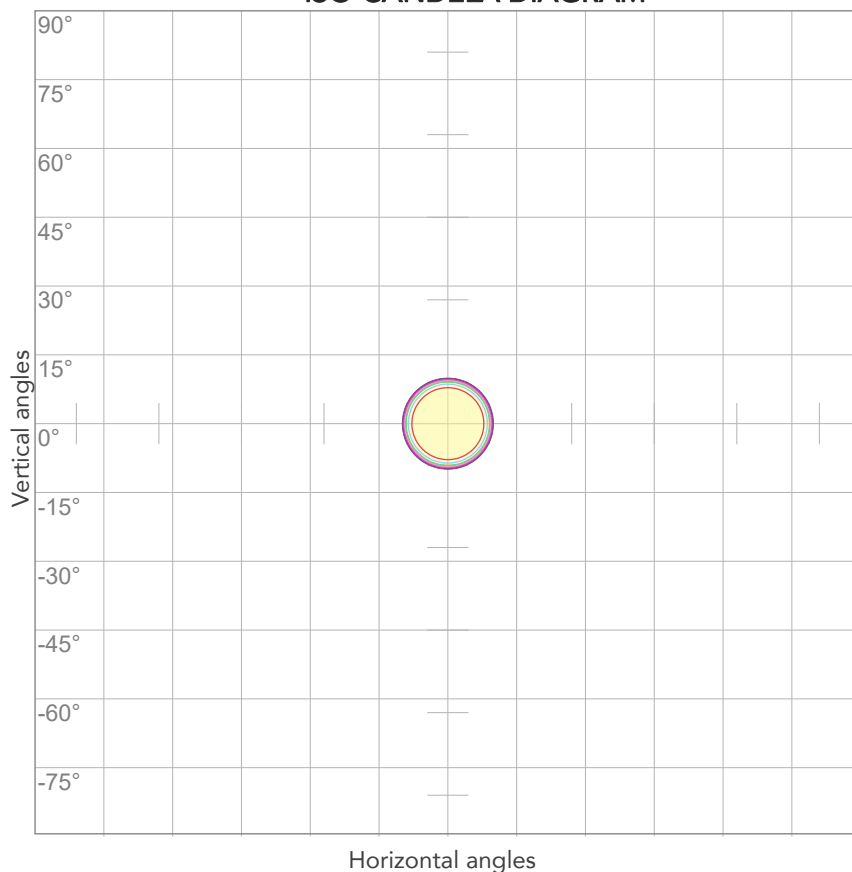
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
222V	7,73A	1656,9W	0,96	33lm/W

ISO CANDELA DIAGRAM



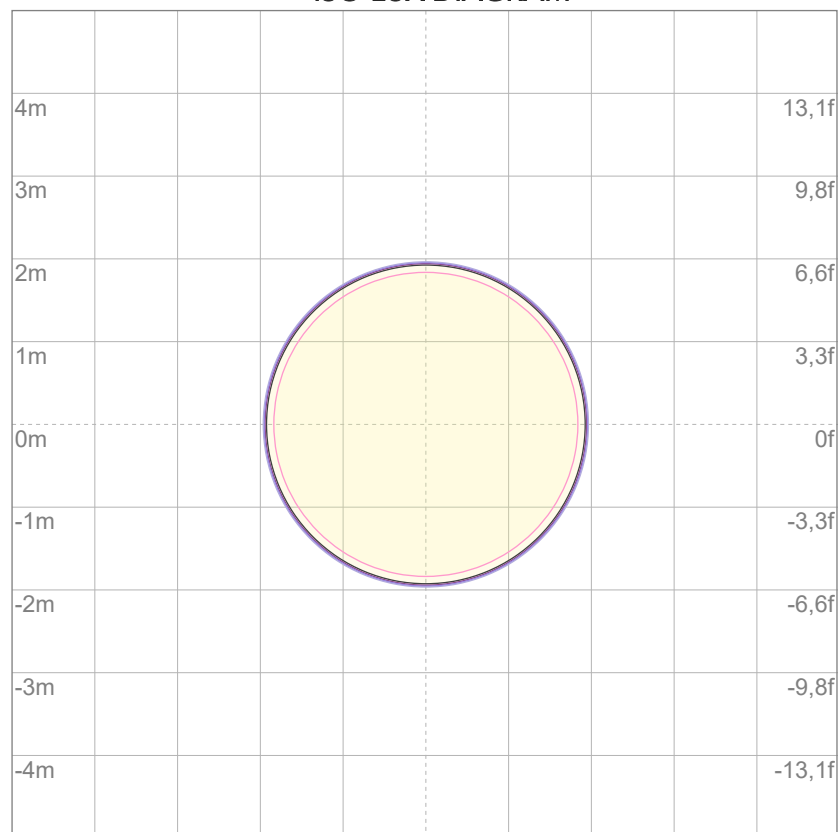
10%	59208 cd
20%	118417 cd
30%	177625 cd
40%	236833 cd
50%	296041 cd
60%	355250 cd
70%	414458 cd
80%	473666 cd

Conditions:

Number of c-planes: 2

Candela at center: 592083 cd

ISO LUX DIAGRAM



3%	178 lx
5%	296 lx
10%	592 lx
30%	1776 lx
50%	2960 lx

Conditions:

Number of c-planes: 2

Lux at center: 5921 lx

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



Total lumen output:

21906 lm

Peak candela output:

3267008 cd

Light quality:

CRI: 70,3

Color temperature:

6671 K

PRODUCT NAME:
ASTRAPROFILE1200IP

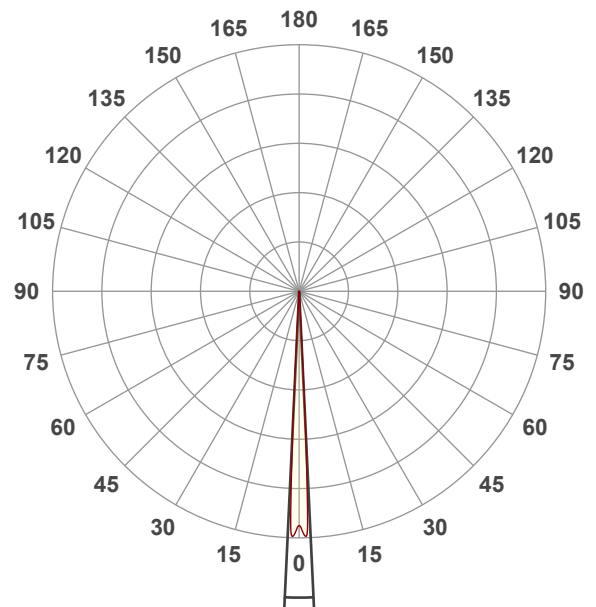
MEASURAMENT CONDITIONS:

Beam angle:
Min Zoom

Target:
Full On

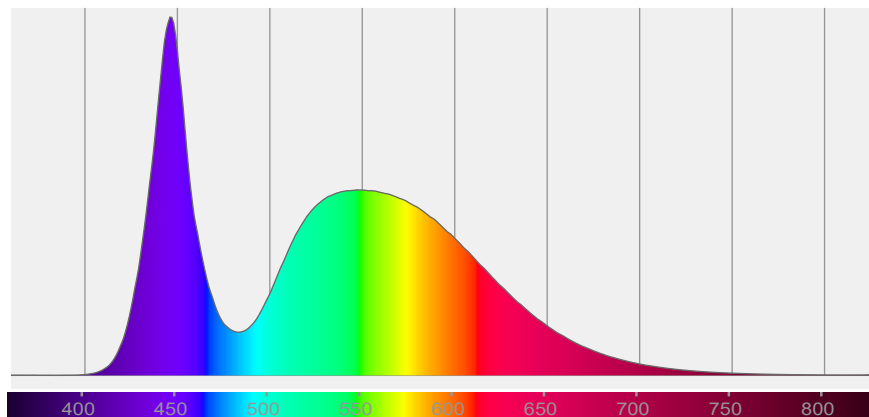
Operator:
Giuseppe della Peruta

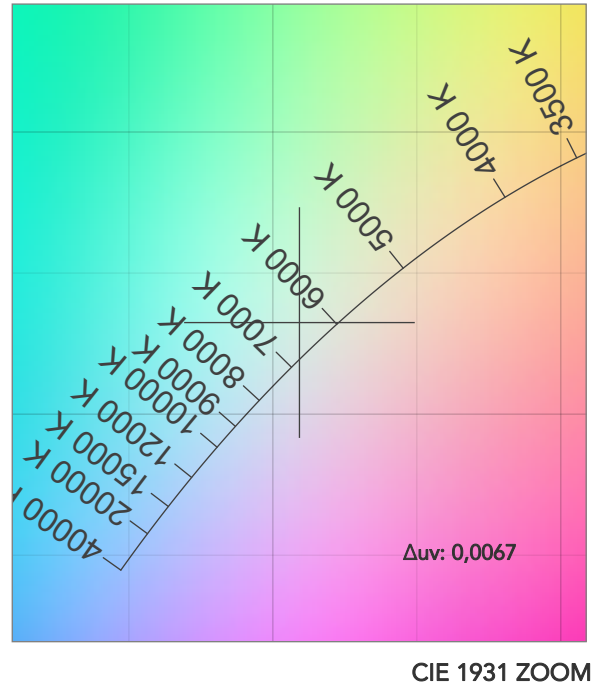
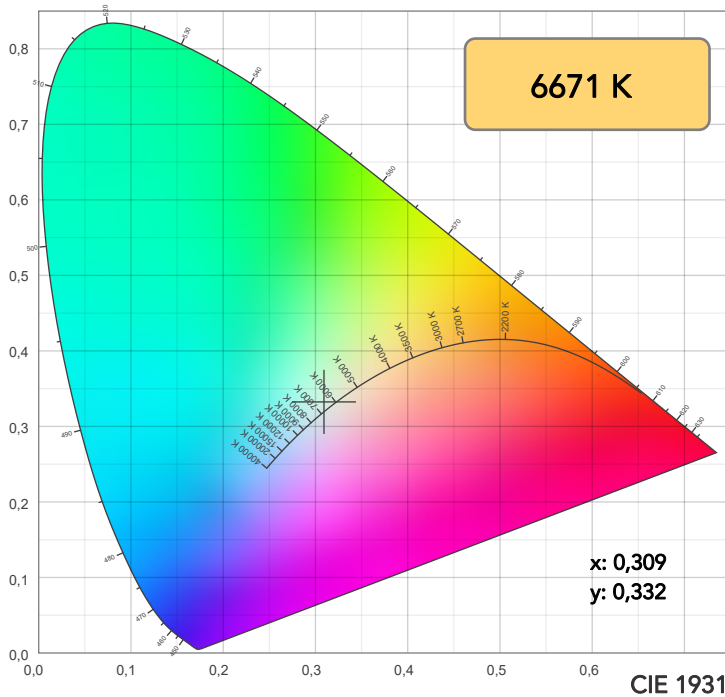
Date and time:
11/11/2025 11:33:51



Beam angle 50%: 5,4°
Field angle 10%: 6,1°
Cut off angle 2.5%: 6,3°

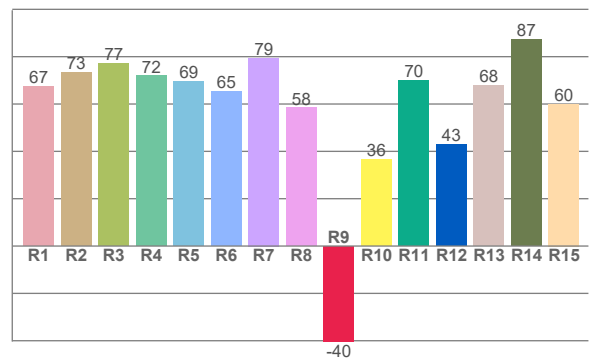
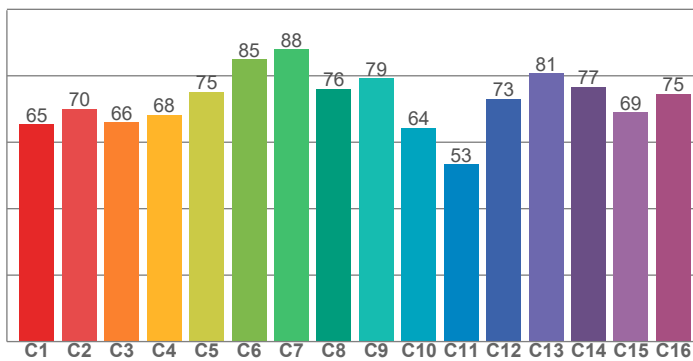
Spectra





TM30: 72,4

CRI: 70,3 (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
67,3	73,2	77,2	71,9	69,4	65,4	79,4	58,4	-40,4	36,5	70,0	42,9	67,8	87,2	60,0

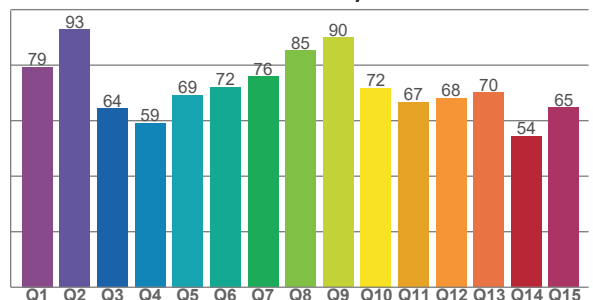
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
65,3	70,0	65,9	68,2	75,2	85,0	87,9	76,0	79,3	64,4	53,3	73,0	80,7	76,7	68,9	74,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
79,3	92,9	64,5	59,2	69,2	72,1	76,0	85,3	89,9	71,8	66,8	68,1	70,1	54,5	64,7

CQS: 70,4



COLOR PARAMETERS

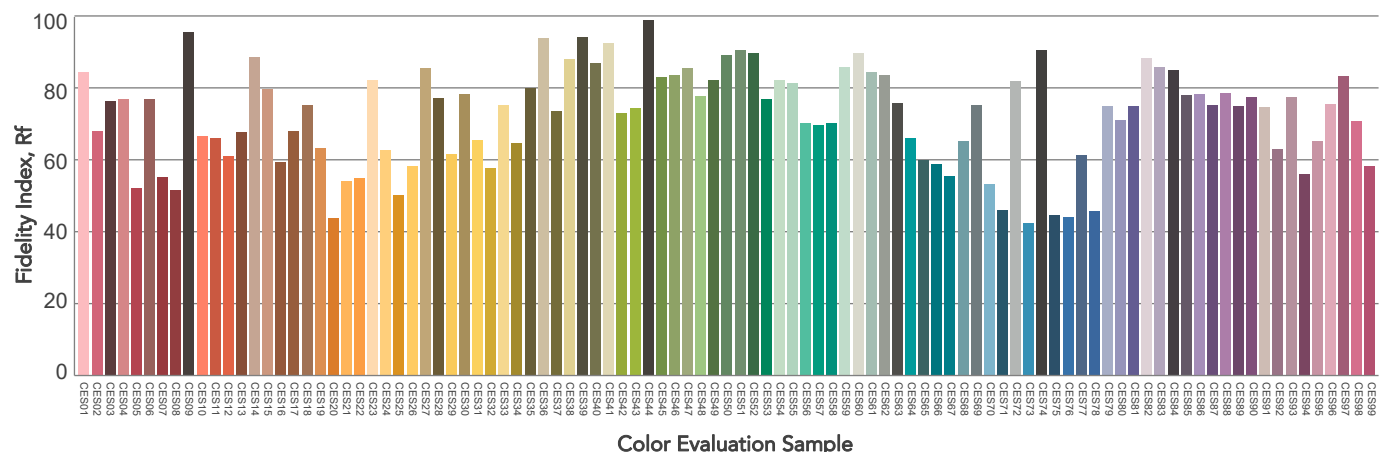
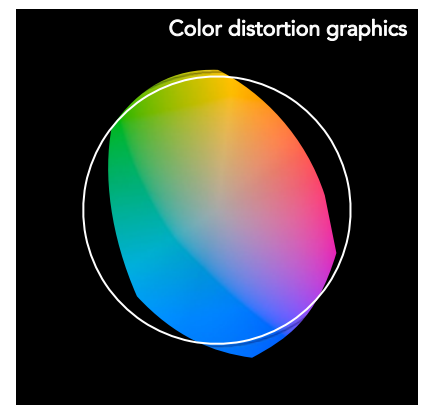
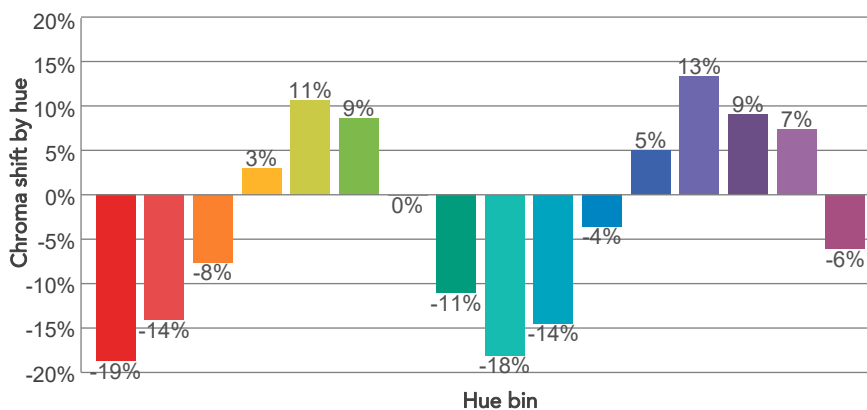
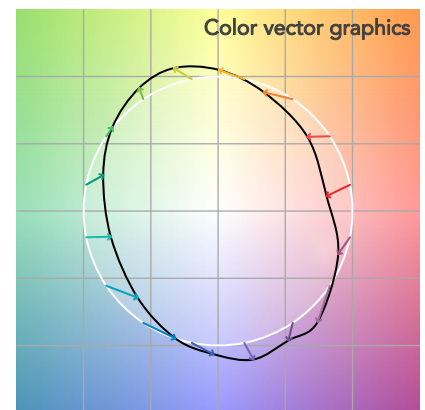
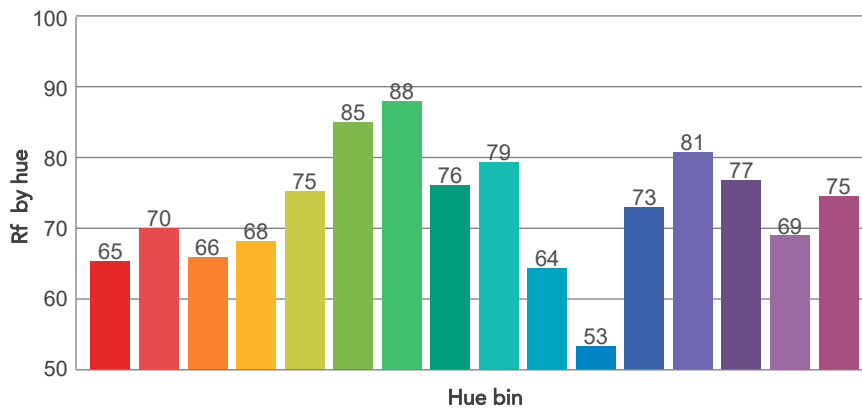
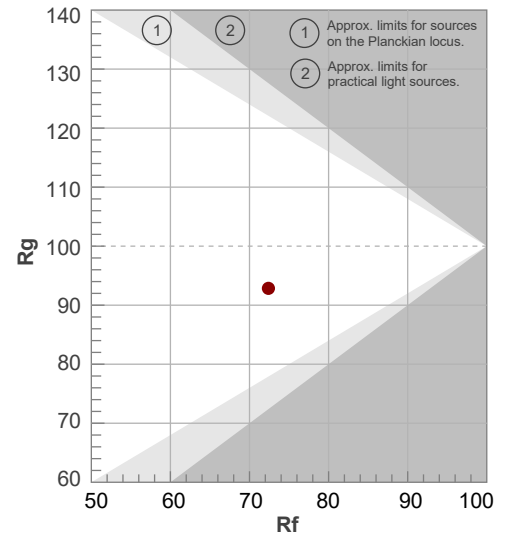
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6671 K	70,3	-40,4	72,4	92,9	70,4	49	0,309	0,332	0,0067

TM30 DETAILS

Rf 72,4
Fidelity index Rf

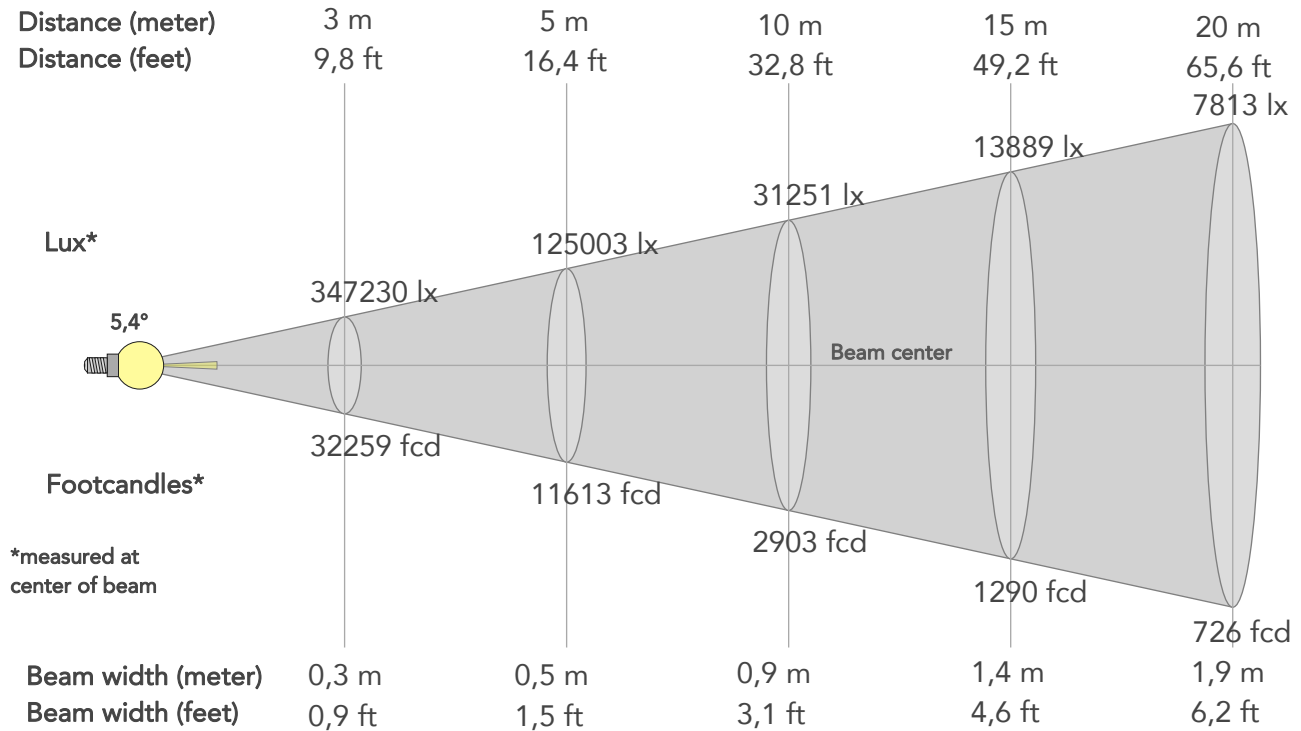
Rg 92,9
Gammut index

		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	65	-19%	-5%
2	70	-14%	9%
3	66	-8%	21%
4	68	3%	20%
5	75	11%	11%
6	85	9%	-2%
7	88	0%	-8%
8	76	-11%	-9%
9	79	-18%	3%
10	64	-14%	20%
11	53	-4%	26%
12	73	5%	17%
13	81	13%	4%
14	77	9%	-10%
15	69	7%	-27%
16	75	-6%	-14%



BEAM DETAILS

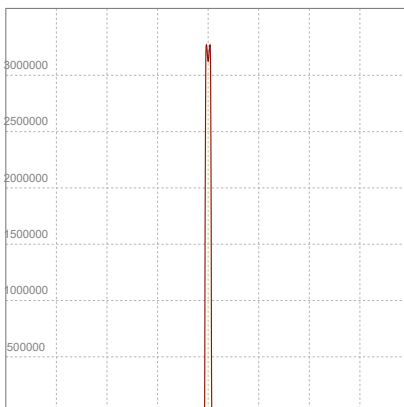
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
5,4°	6,1°	6,3°	100,0%	100,0%



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	312506lx	78126lx	347230lx	195317lx	125003lx	55557lx	31251lx	13889lx	7813lx	5000lx	3472lx	1953lx	1250lx
Footcand.	290328fcd	72582fcd	32259fcd	18146fcd	11613fcd	5161fcd	2903fcd	1290fcd	726fcd	465fcd	323fcd	181fcd	116fcd
Beam wid.	0,1m	0,2m	0,3m	0,4m	0,5m	0,7m	0,9m	1,4m	1,9m	2,3m	2,8m	3,8m	4,7m
Beam wid.	0,3ft	0,6ft	0,9ft	1,2ft	1,5ft	2,3ft	3,1ft	4,6ft	6,2ft	7,7ft	9,2ft	12,3ft	15,4ft

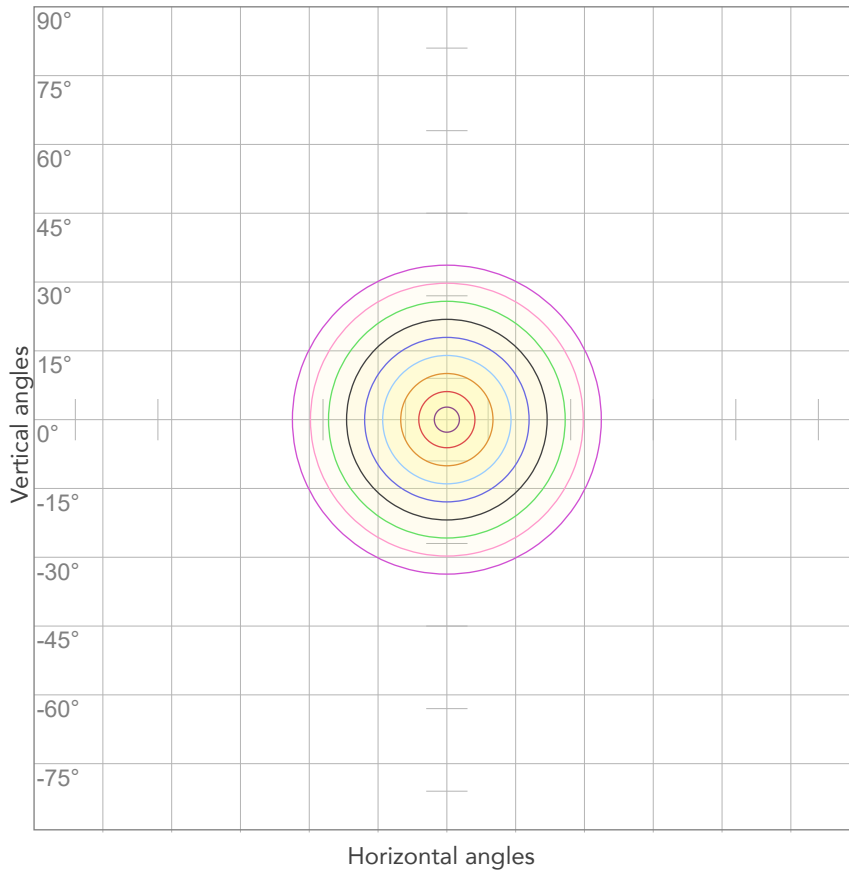
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
221V	7,75A	1652,1W	0,96	13lm/W

ISO CANDELA DIAGRAM



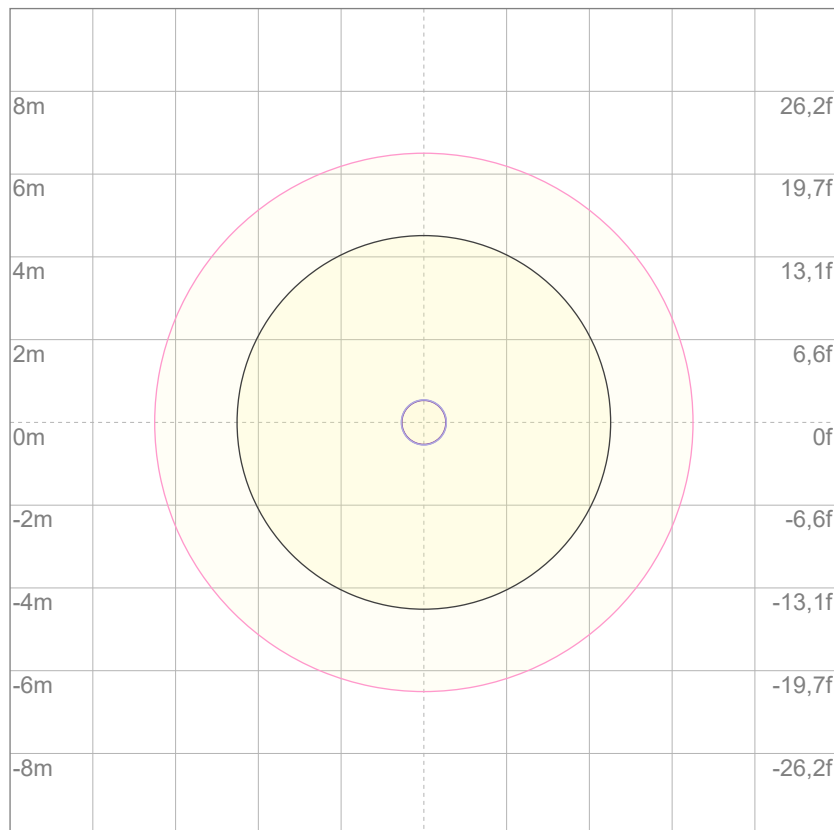
10%	312507 cd
20%	625013 cd
30%	937520 cd
40%	1250026 cd
50%	1562533 cd
60%	1875039 cd
70%	2187546 cd
80%	2500053 cd

Conditions:

Number of c-planes: 2

Candela at center: 3125066 cd

ISO LUX DIAGRAM



3%	938 lx
5%	1563 lx
10%	3125 lx
30%	9375 lx
50%	15,6K lx

Conditions:

Number of c-planes: 2

Lux at center: 31,3K 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:

15952 lm

Peak candela output:

30002 cd

Light quality:

CRI: 67,0

Color temperature:

3253 K

PRODUCT NAME:
ASTRAPROFILE1200IP

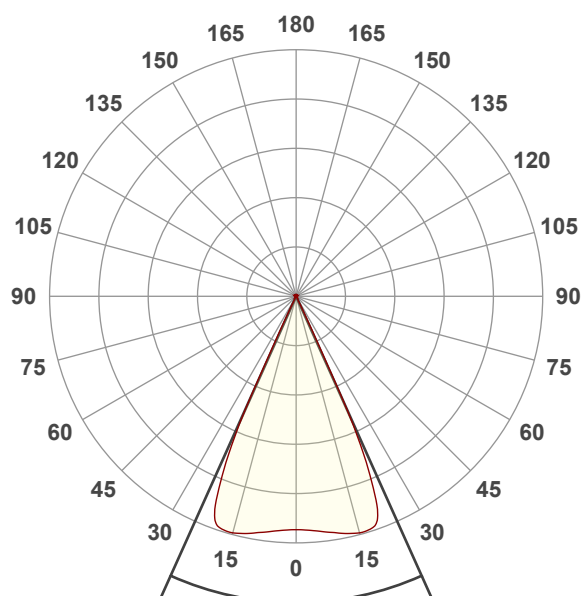
MEASURAMENT CONDITIONS:

Beam angle:
Max Zoom

Target:
CTO

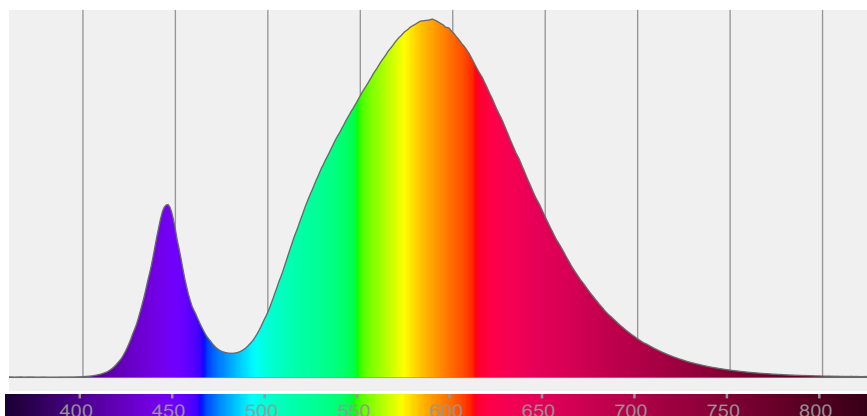
Operator:
Giuseppe della Peruta

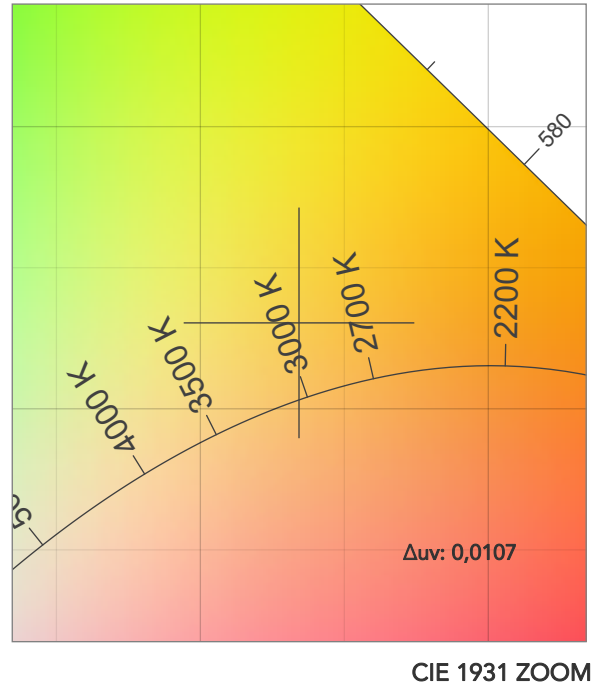
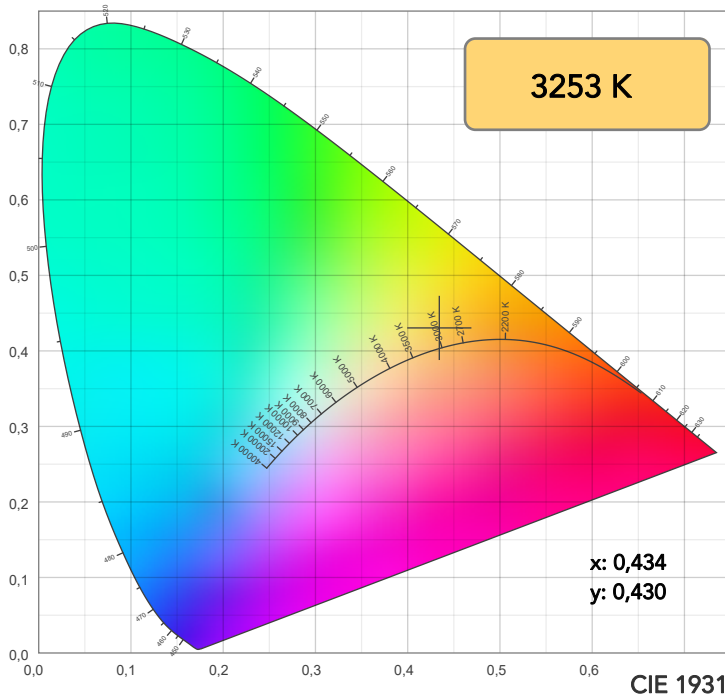
Date and time:
11/11/2025 11:50:13



Beam angle 50%: 48,4°
Field angle 10%: 51°
Cut off angle 2.5%: 52°

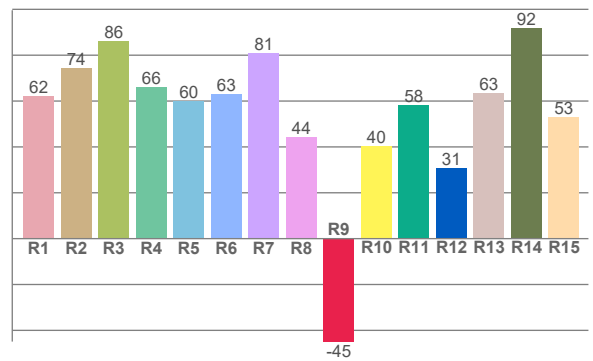
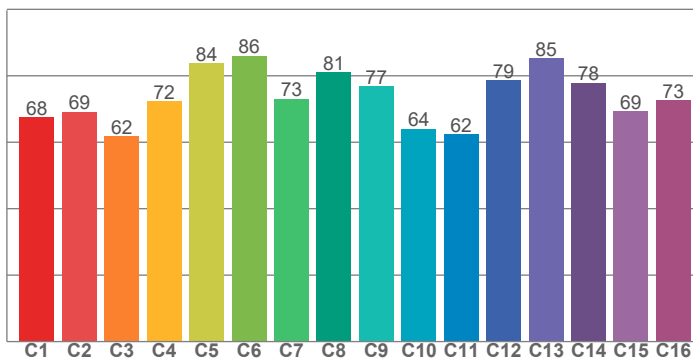
Spectra





TM30: 73,3

CRI: 67,0 (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
62,0	74,2	86,1	65,9	60,0	63,0	80,7	44,3	-44,9	40,4	58,2	30,6	63,4	91,9	52,8

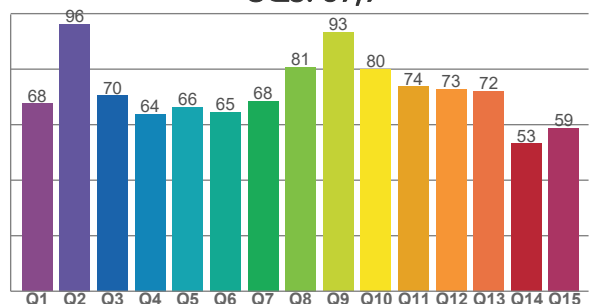
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
67,6	69,2	61,7	72,4	83,8	86,0	73,1	81,0	76,9	64,0	62,4	78,7	85,2	77,9	69,4	72,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
67,7	96,2	70,5	63,9	66,3	64,6	68,5	80,8	93,3	80,0	73,7	72,8	72,1	53,3	58,8

CQS: 69,9



COLOR PARAMETERS

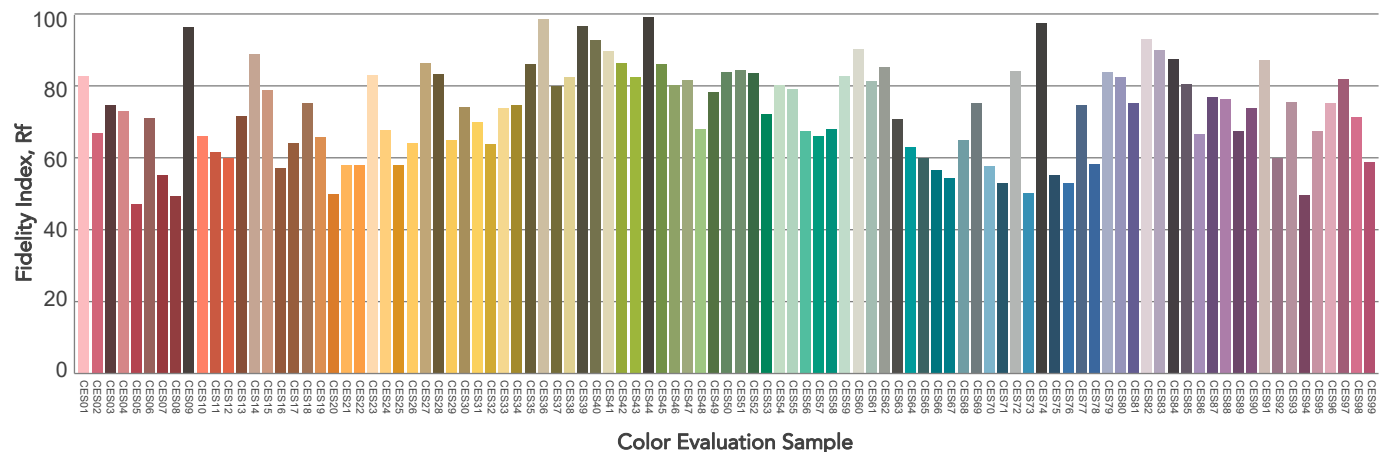
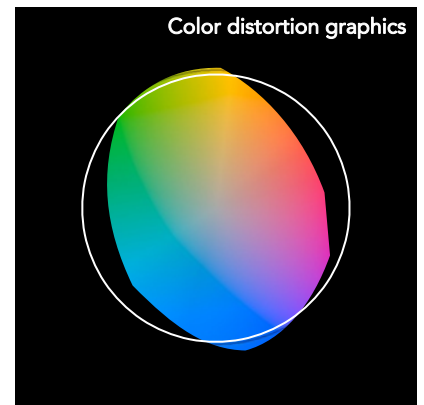
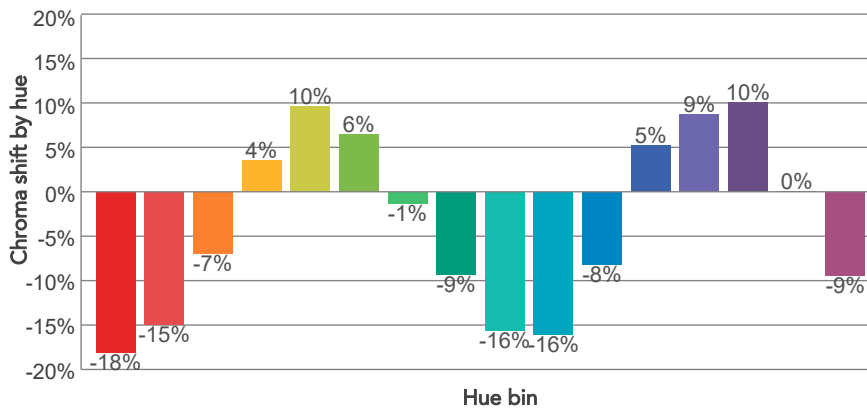
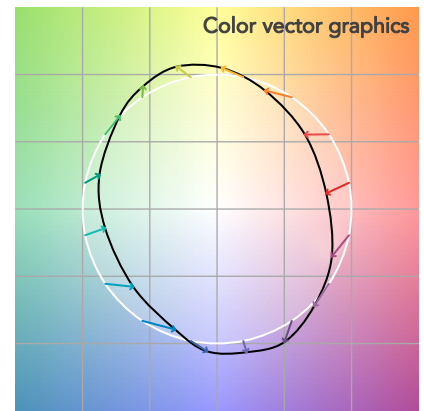
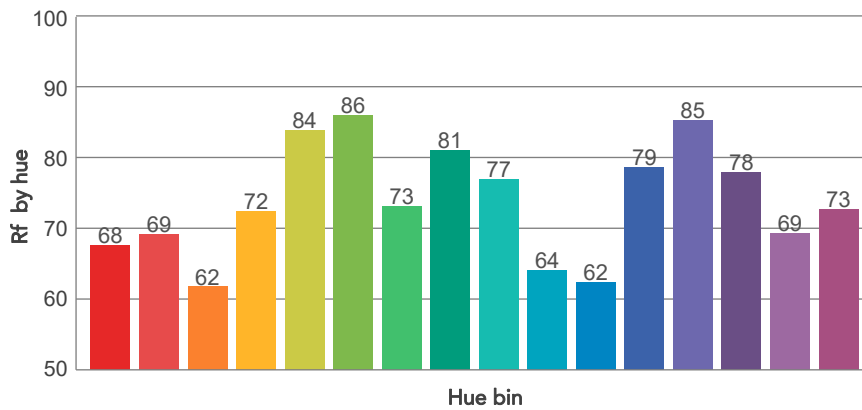
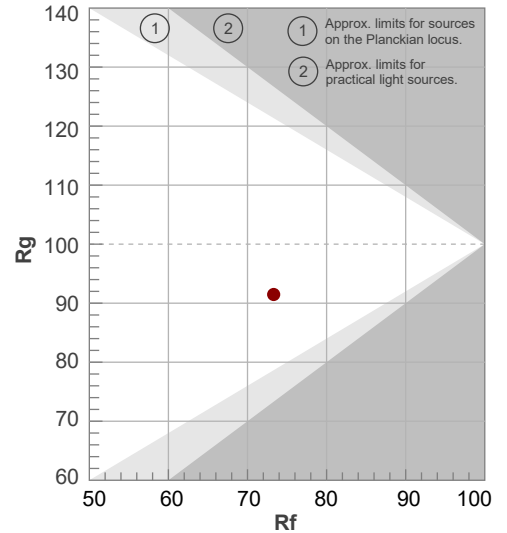
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3253 K	67,0	-44,9	73,3	91,5	69,9	44	0,434	0,430	0,0107

TM30 DETAILS

Rf 73,3
Fidelity index Rf

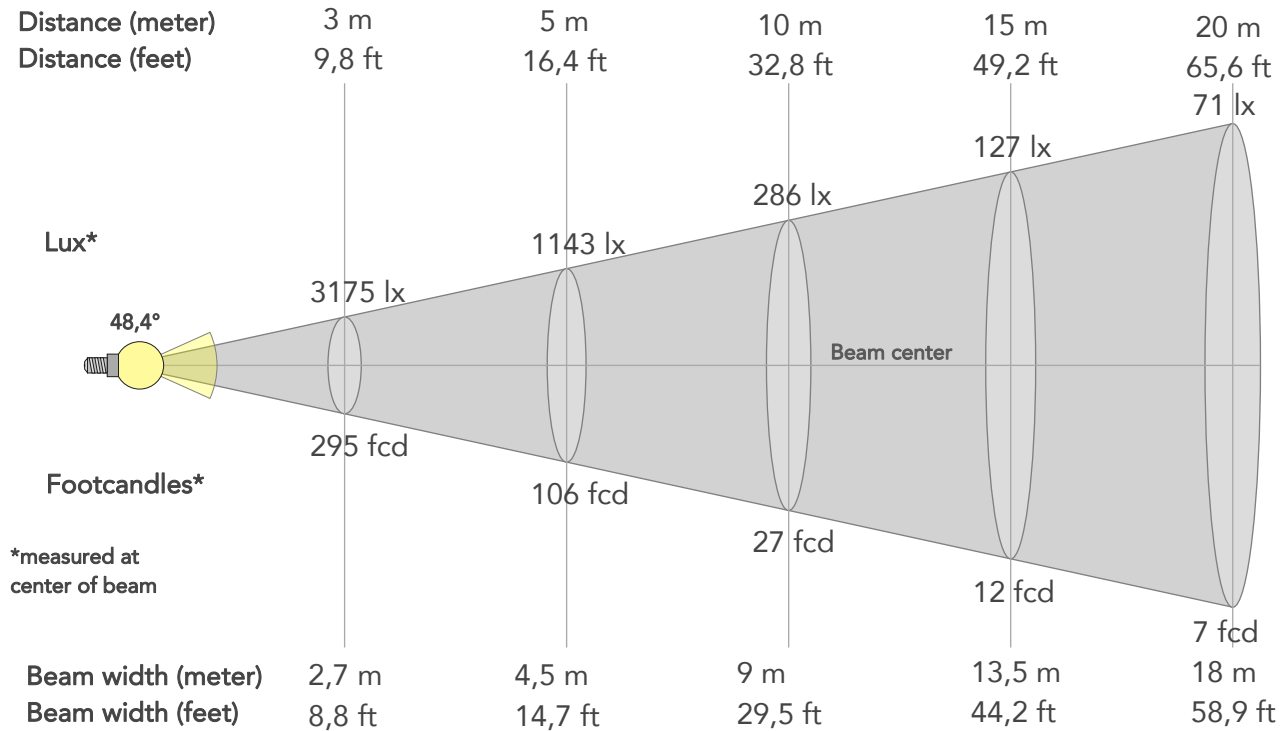
Rg 91,5
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	68	-18%	-4%
2	69	-15%	10%
3	62	-7%	19%
4	72	4%	17%
5	84	10%	9%
6	86	6%	-5%
7	73	-1%	-17%
8	81	-9%	-8%
9	77	-16%	-2%
10	64	-16%	13%
11	62	-8%	24%
12	79	5%	13%
13	85	9%	1%
14	78	10%	-13%
15	69	0%	-20%
16	73	-9%	-18%



BEAM DETAILS

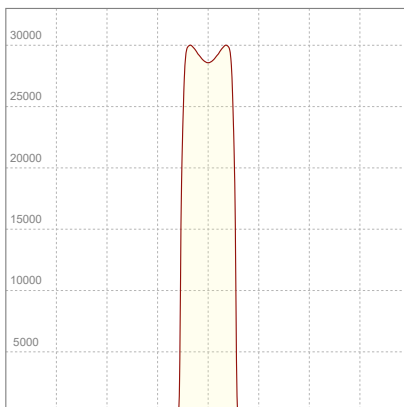
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48,4°	51°	52°	99,5%	99,4%



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	28578lx	7144lx	3175lx	1786lx	1143lx	508lx	286lx	127lx	71lx	46lx	32lx	18lx	11lx
Footcand.	2655fcd	664fcd	295fcd	166fcd	106fcd	47fcd	27fcd	12fcd	7fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,9m	1,8m	2,7m	3,6m	4,5m	6,7m	9m	13,5m	18m	22,5m	26,9m	35,9m	44,9m
Beam wid.	3ft	5,9ft	8,8ft	11,8ft	14,7ft	22,1ft	29,5ft	44,2ft	58,9ft	73,7ft	88,4ft	117,9ft	147,3ft

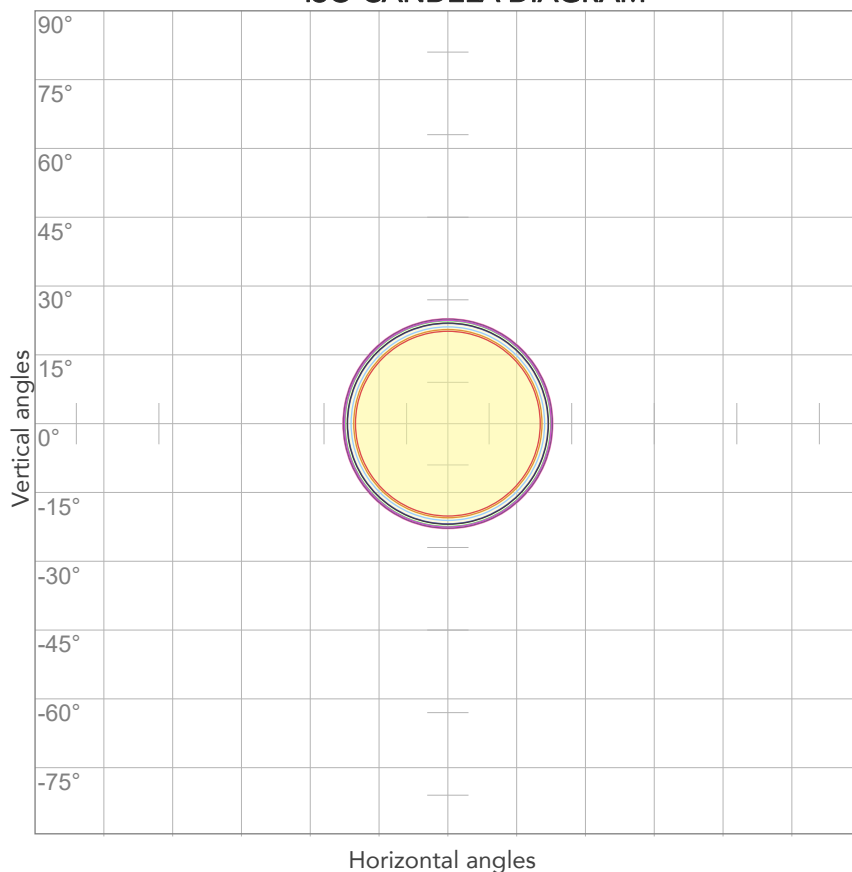
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	5,74A	1210W	0,94	13lm/W

ISO CANDELA DIAGRAM



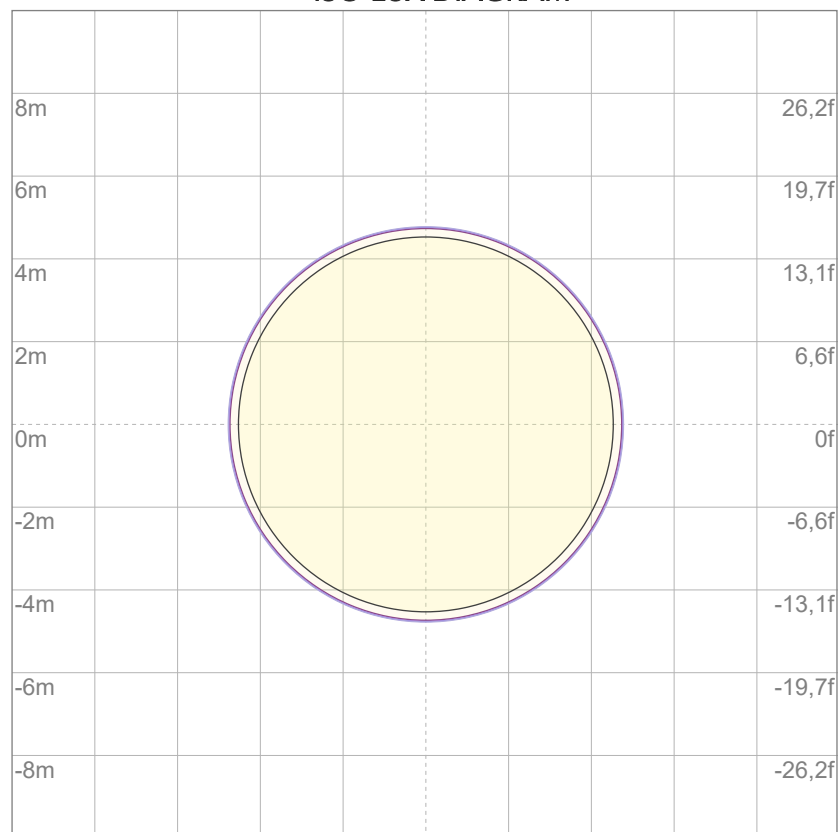
10%	2858 cd
20%	5716 cd
30%	8573 cd
40%	11431 cd
50%	14289 cd
60%	17147 cd
70%	20004 cd
80%	22862 cd

Conditions:

Number of c-planes: 2

Candela at center: 28578 cd

ISO LUX DIAGRAM



3%	8,57 lx
5%	14,3 lx
10%	28,6 lx
30%	85,7 lx
50%	143 lx

Conditions:

Number of c-planes: 2

Lux at center: 286 lx

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



Total lumen output:

15971 lm

Peak candela output:

175548 cd

Light quality:

CRI: 67,2

Color temperature:

3243 K

PRODUCT NAME:
ASTRAPROFILE1200IP

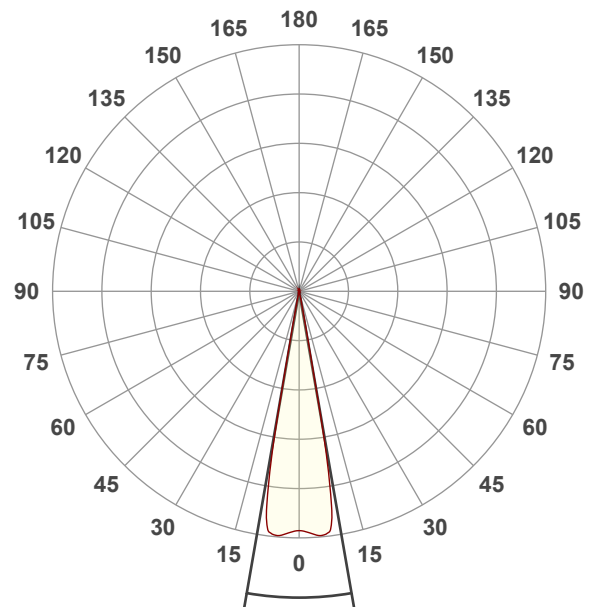
MEASURAMENT CONDITIONS:

Beam angle:
Med Zoom

Target:
CTO

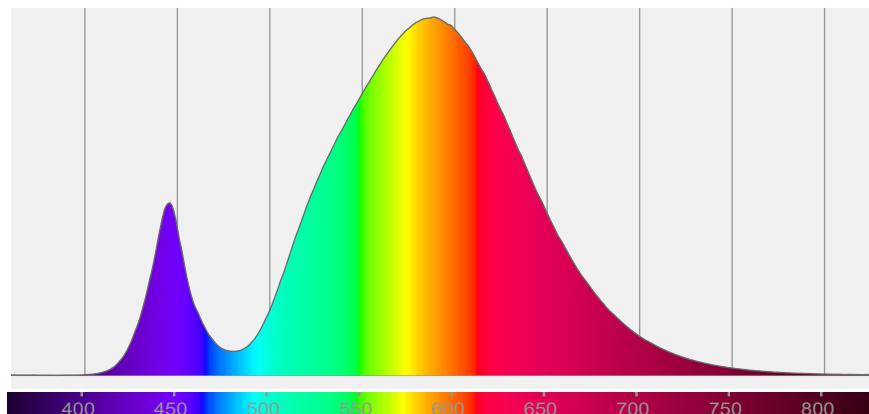
Operator:
Giuseppe della Peruta

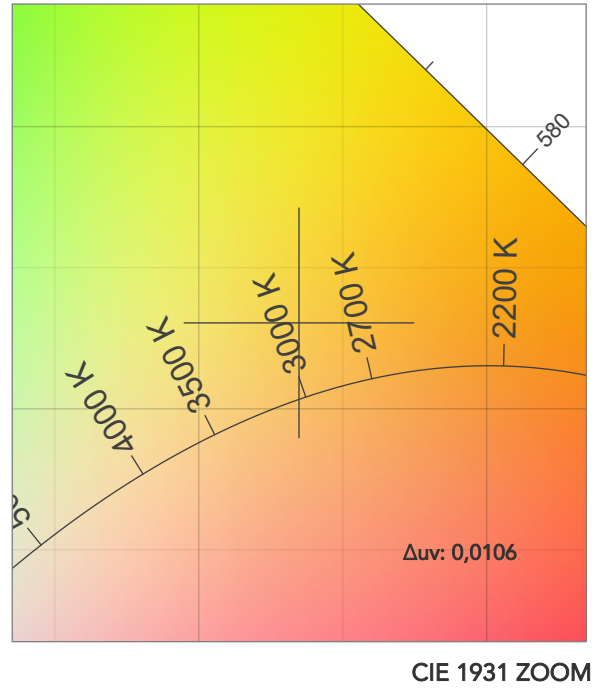
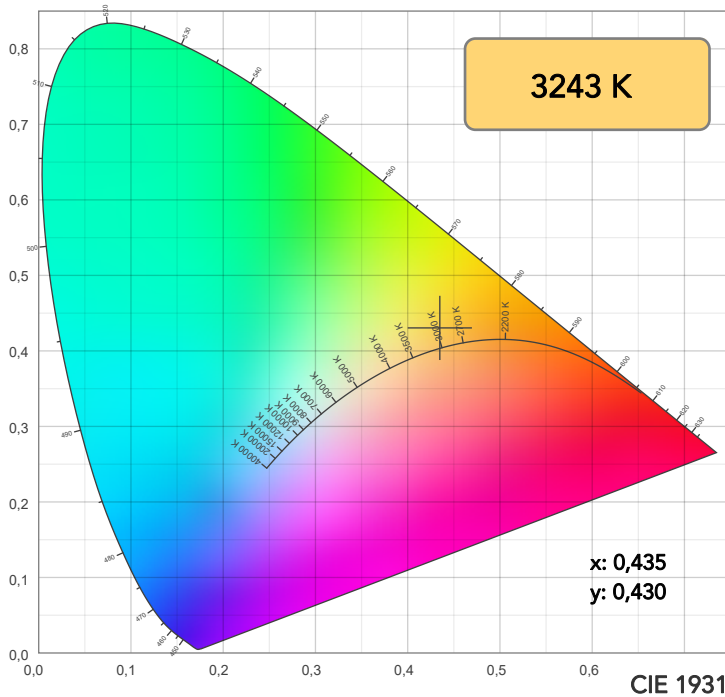
Date and time:
11/11/2025 12:11:21



Beam angle 50%: 19,7°
Field angle 10%: 21,8°
Cut off angle 2.5%: 22,8°

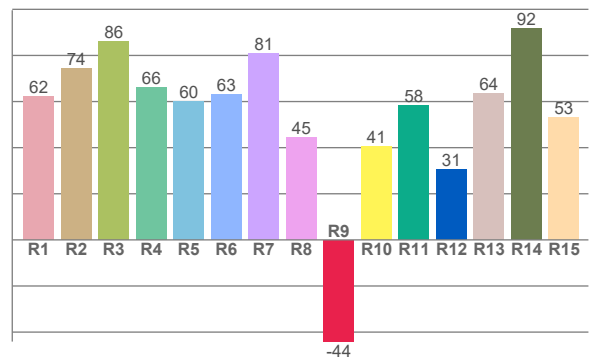
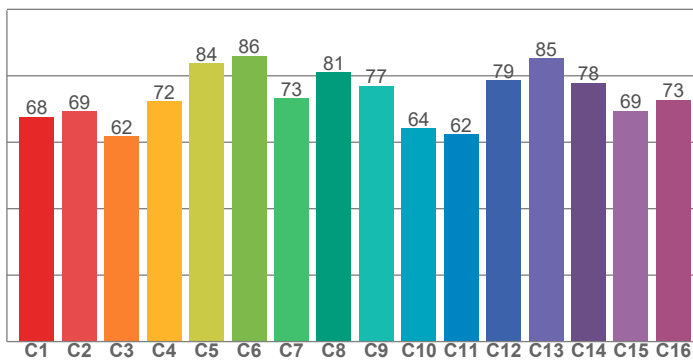
Spectra





TM30: 73,4

CRI: 67,2 (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
62,2	74,3	86,1	66,0	60,2	63,1	80,8	44,5	-44,1	40,6	58,3	30,7	63,6	91,8	53,1

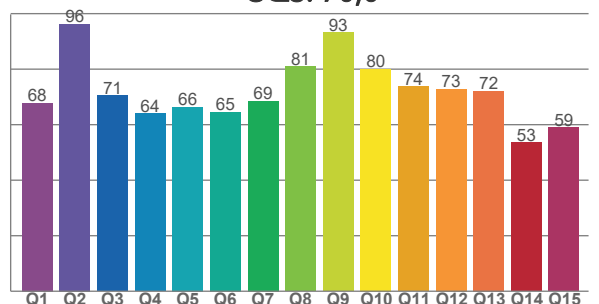
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
67,7	69,3	61,8	72,4	83,8	86,0	73,2	81,0	77,0	64,1	62,5	78,7	85,2	77,9	69,5	72,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
67,7	96,2	70,5	63,9	66,4	64,6	68,6	80,9	93,3	80,1	73,8	72,9	72,2	53,5	59,0

CQS: 70,0



COLOR PARAMETERS

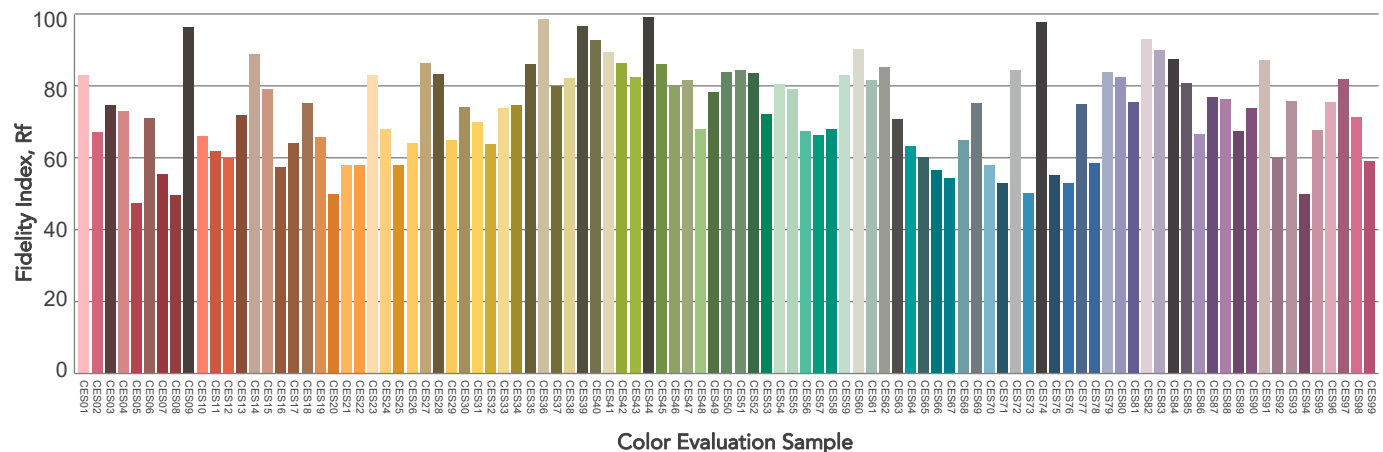
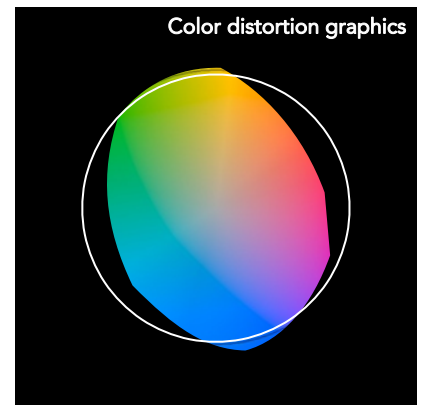
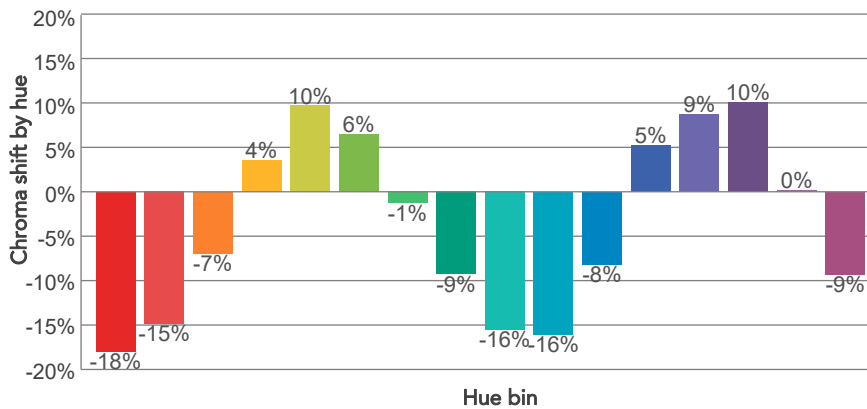
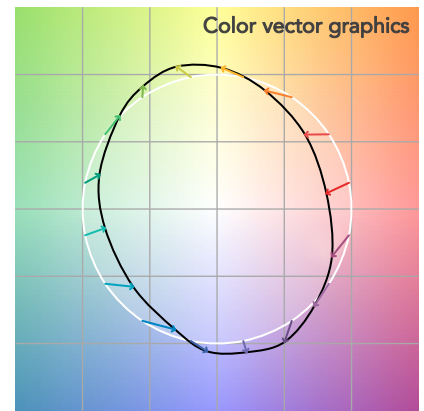
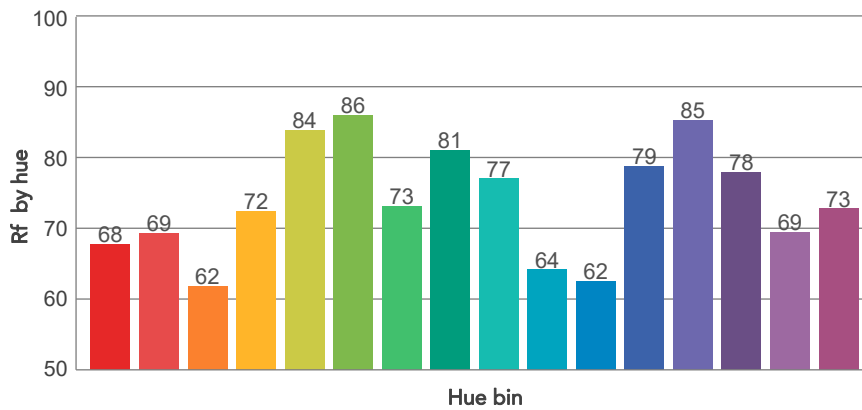
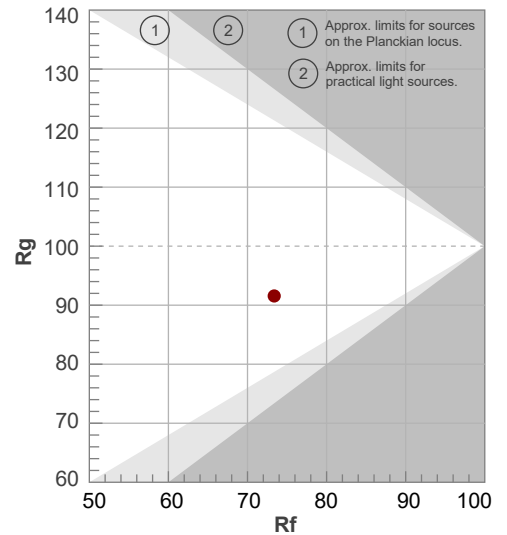
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3243 K	67,2	-44,1	73,4	91,6	70,0	44	0,435	0,430	0,0106

TM30 DETAILS

Rf 73,4
Fidelity index Rf

Rg 91,6
Gammut index

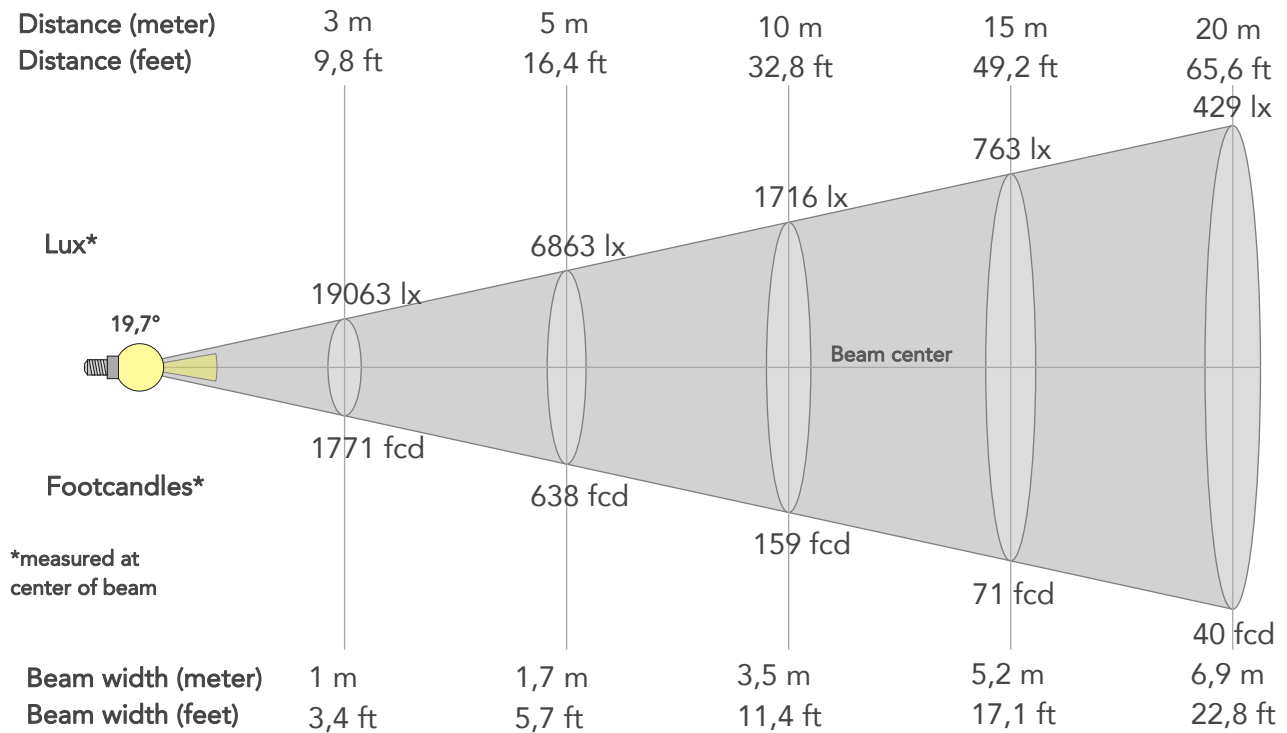
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	68	-18%	-4%
2	69	-15%	10%
3	62	-7%	19%
4	72	4%	17%
5	84	10%	9%
6	86	6%	-5%
7	73	-1%	-17%
8	81	-9%	-8%
9	77	-16%	-2%
10	64	-16%	13%
11	62	-8%	24%
12	79	5%	13%
13	85	9%	1%
14	78	10%	-13%
15	69	0%	-20%
16	73	-9%	-18%



BEAM DETAILS



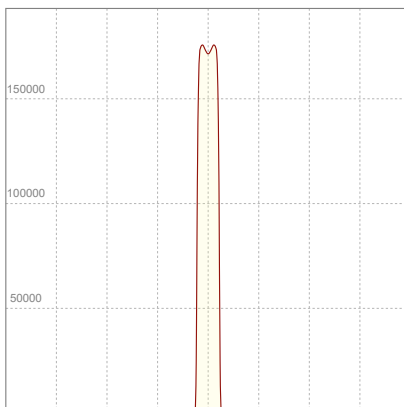
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
19,7°	21,8°	22,8°	99,7%	99,7%



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	171570lx	42892lx	19063lx	10723lx	6863lx	3050lx	1716lx	763lx	429lx	275lx	191lx	107lx	69lx
Footcand.	15939fcd	3985fcd	1771fcd	996fcd	638fcd	283fcd	159fcd	71fcd	40fcd	26fcd	18fcd	10fcd	6fcd
Beam wid.	0,3m	0,7m	1m	1,4m	1,7m	2,6m	3,5m	5,2m	6,9m	8,7m	10,4m	13,9m	17,4m
Beam wid.	1,1ft	2,3ft	3,4ft	4,5ft	5,7ft	8,5ft	11,4ft	17,1ft	22,8ft	28,5ft	34,2ft	45,6ft	56,9ft

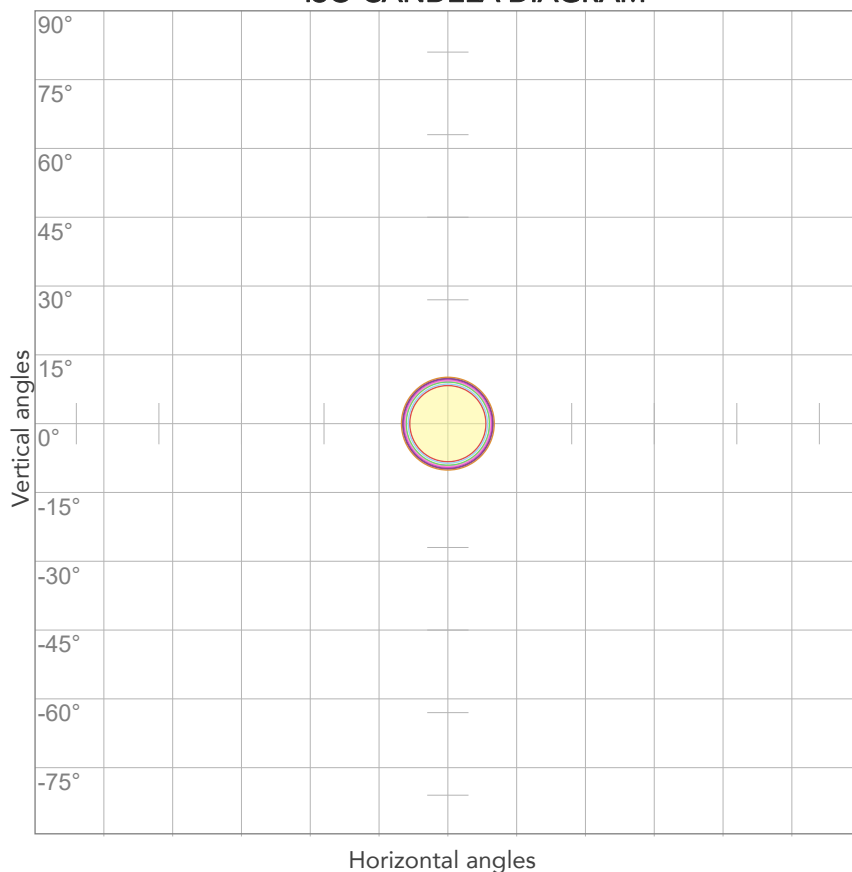
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	5,73A	1215,2W	0,94	13lm/W

ISO CANDELA DIAGRAM



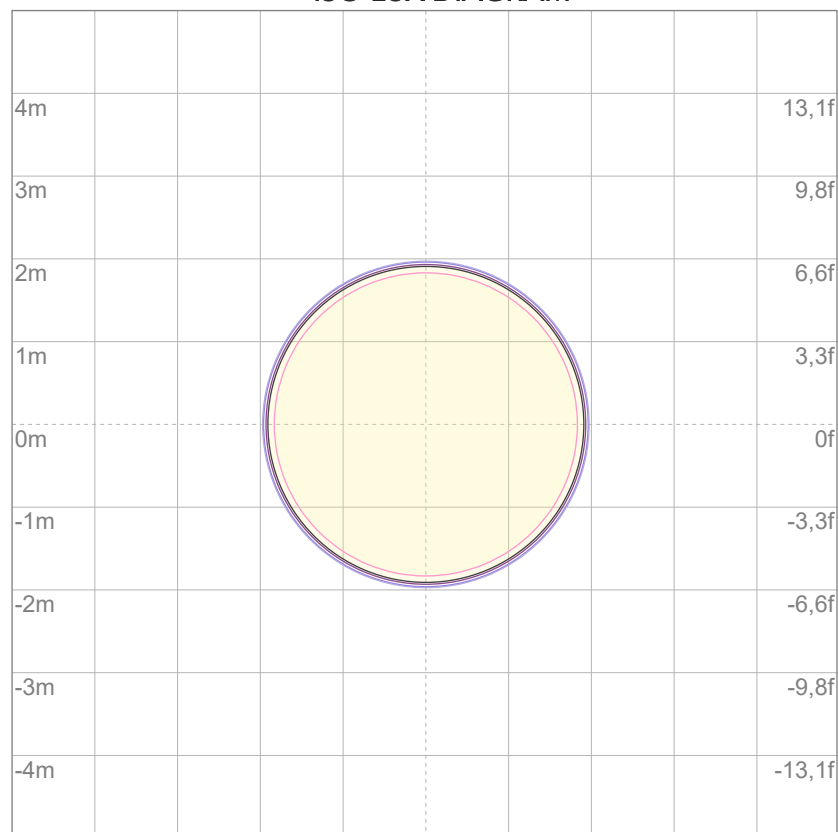
10%	17157 cd
20%	34314 cd
30%	51471 cd
40%	68628 cd
50%	85785 cd
60%	102942 cd
70%	120099 cd
80%	137256 cd

Conditions:

Number of c-planes: 2

Candela at center: 171570 cd

ISO LUX DIAGRAM



3%	51,5 lx
5%	85,8 lx
10%	172 lx
30%	515 lx
50%	858 lx

Conditions:

Number of c-planes: 2

Lux at center: 1716 lx

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



Total lumen output:

6936 lm

Peak candela output:

1016252 cd

Light quality:

CRI: 67,2

Color temperature:

3241 K

PRODUCT NAME:
ASTRAPROFILE1200IP

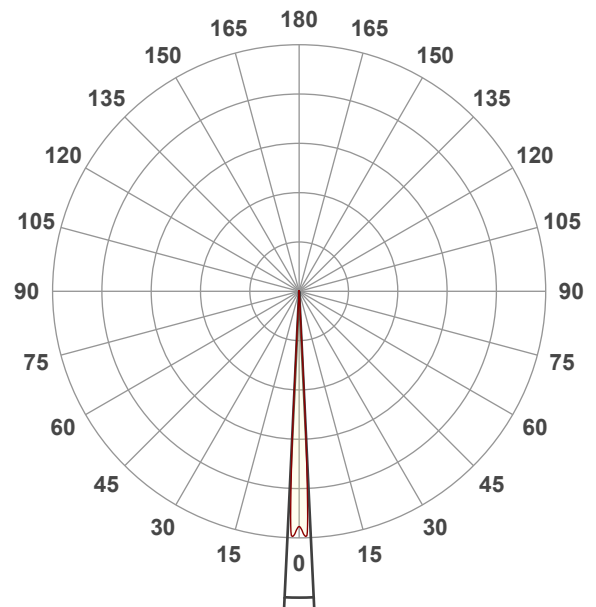
MEASURAMENT CONDITIONS:

Beam angle:
Min Zoom

Target:
CTO

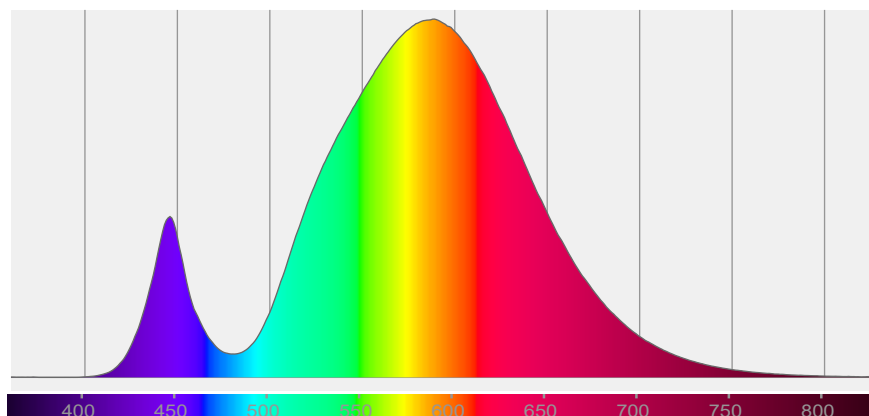
Operator:
Giuseppe della Peruta

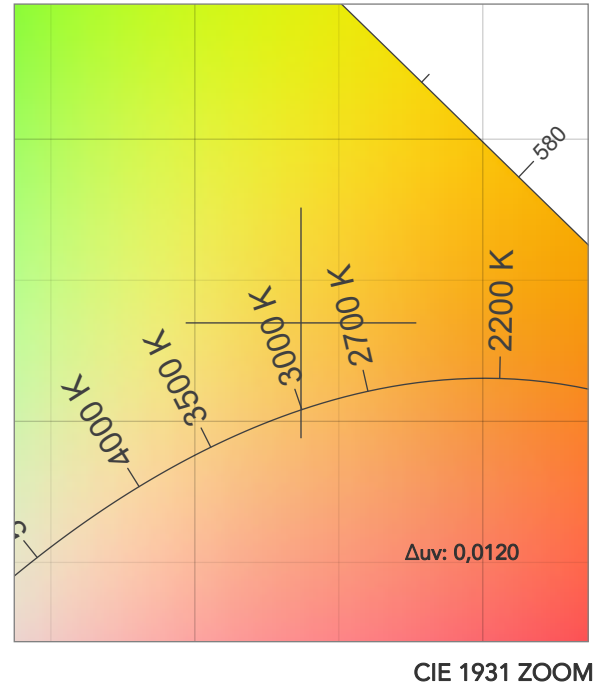
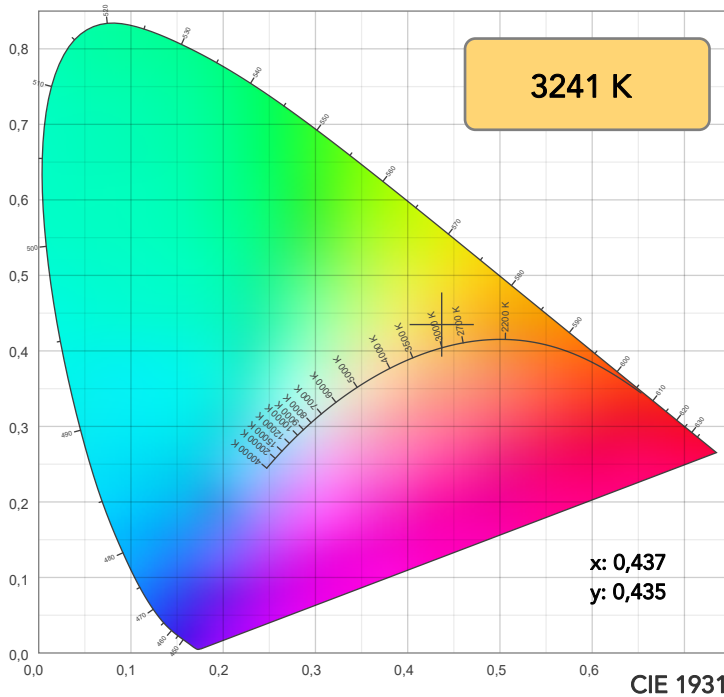
Date and time:
11/11/2025 12:05:41



Beam angle 50%: 5,4°
Field angle 10%: 6°
Cut off angle 2.5%: 6,2°

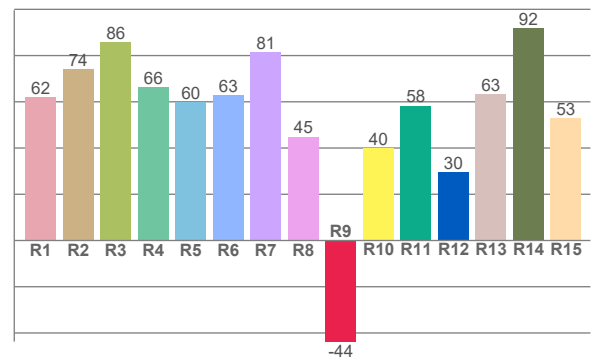
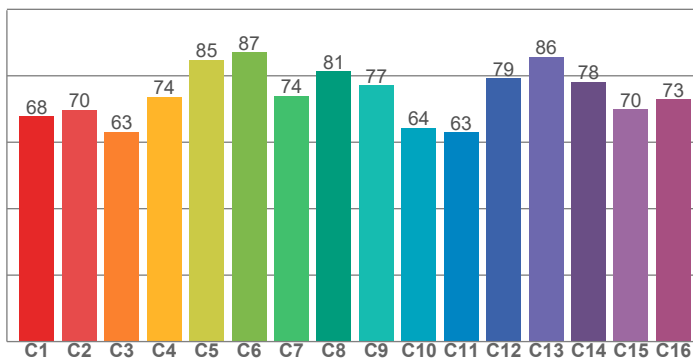
Spectra





TM30: 74,0

CRI: 67,2 (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
62,1	74,0	85,9	66,2	60,0	62,7	81,4	45,0	-43,7	40,0	58,4	29,7	63,4	91,7	52,8

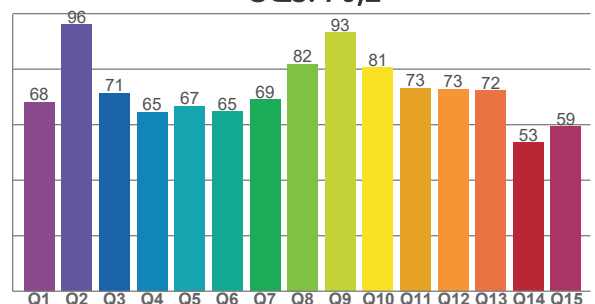
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
67,8	69,8	63,1	73,7	84,8	87,0	74,0	81,4	77,1	64,3	63,0	79,3	85,7	78,2	69,9	73,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
68,2	96,1	71,4	64,6	66,7	64,8	69,0	81,9	93,1	80,5	73,2	72,9	72,3	53,5	59,3

CQS: 70,2



COLOR PARAMETERS

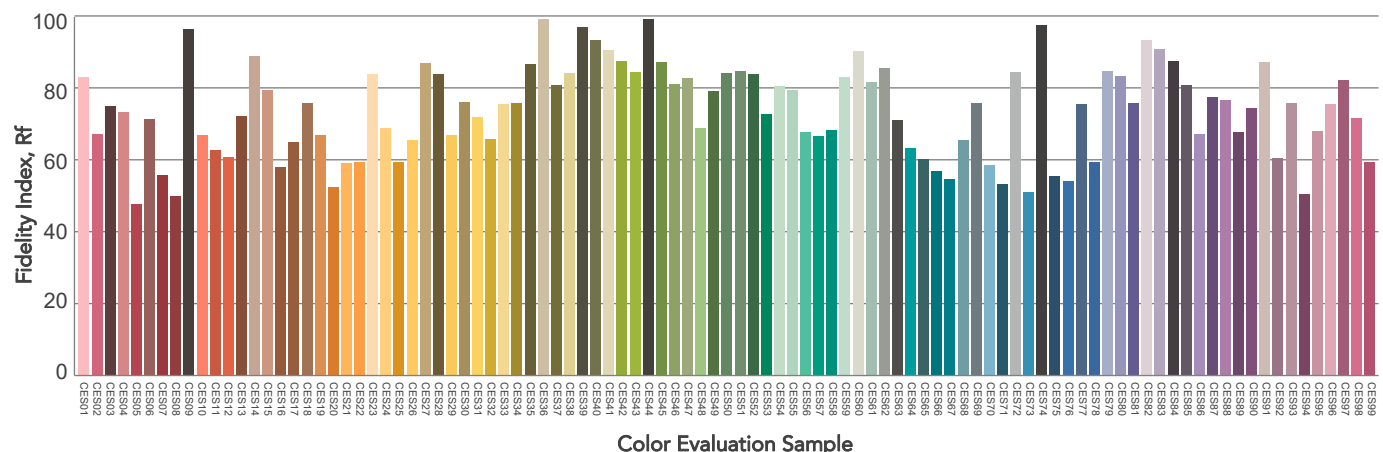
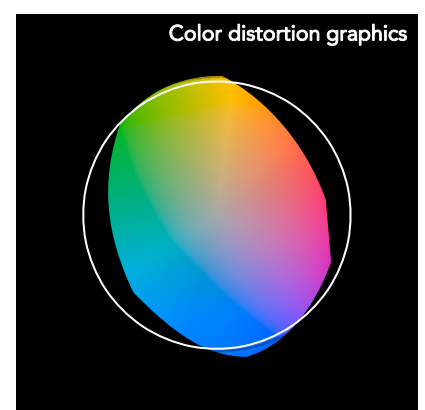
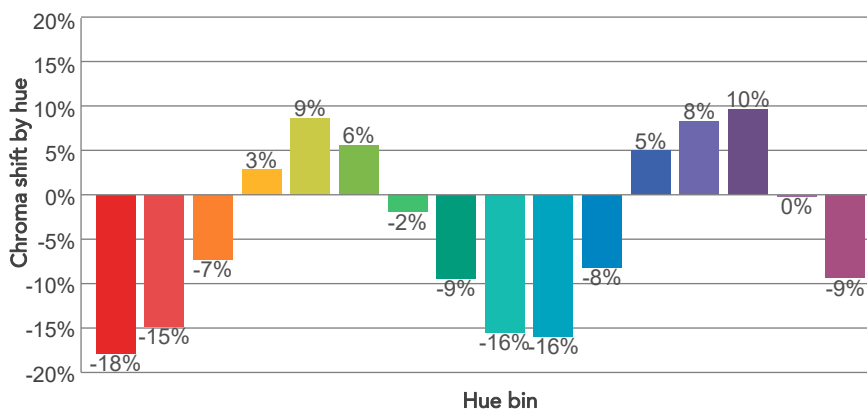
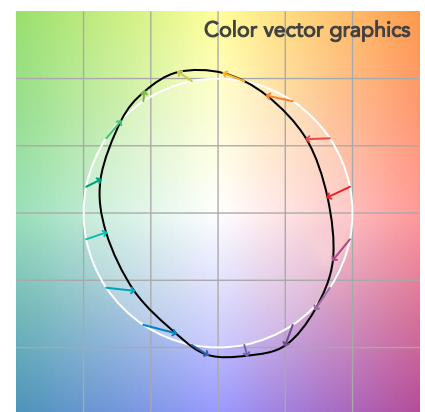
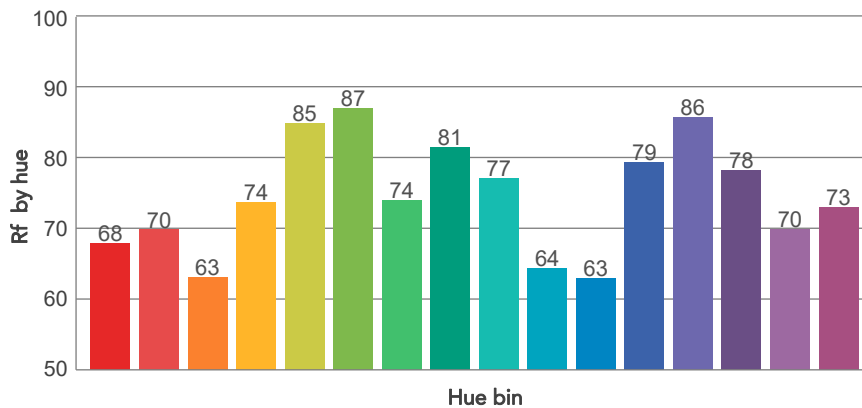
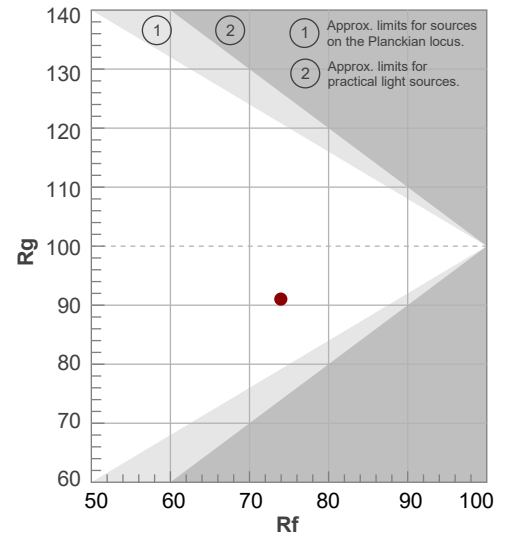
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3241 K	67,2	-43,7	74,0	91,0	70,2	45	0,437	0,435	0,0120

TM30 DETAILS

Rf 74,0
Fidelity index Rf

Rg 91,0
Gammut index

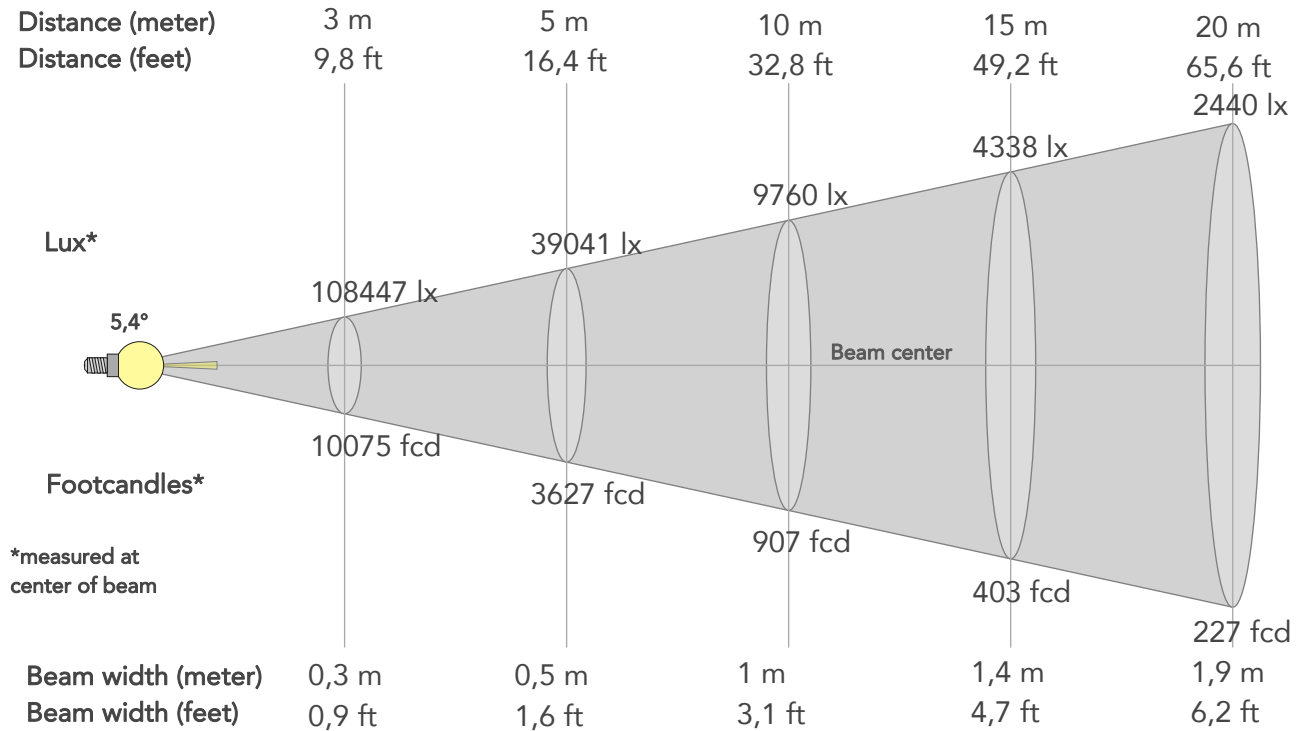
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	68	-18%	-4%
2	70	-15%	9%
3	63	-7%	18%
4	74	3%	16%
5	85	9%	9%
6	87	6%	-5%
7	74	-2%	-17%
8	81	-9%	-7%
9	77	-16%	-2%
10	64	-16%	13%
11	63	-8%	24%
12	79	5%	13%
13	86	8%	1%
14	78	10%	-13%
15	70	0%	-19%
16	73	-9%	-18%



BEAM DETAILS



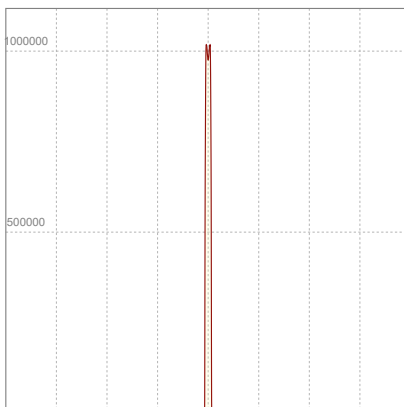
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
5,4°	6°	6,2°	100,0%	100,0%



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	976025lx	244006lx	108447lx	61002lx	39041lx	17352lx	9760lx	4338lx	2440lx	1562lx	1084lx	610lx	390lx
Footcand.	90676fcd	22669fcd	10075fcd	5667fcd	3627fcd	1612fcd	907fcd	403fcd	227fcd	145fcd	101fcd	57fcd	36fcd
Beam wid.	0,1m	0,2m	0,3m	0,4m	0,5m	0,7m	1m	1,4m	1,9m	2,4m	2,9m	3,8m	4,8m
Beam wid.	0,3ft	0,6ft	0,9ft	1,2ft	1,6ft	2,3ft	3,1ft	4,7ft	6,2ft	7,8ft	9,4ft	12,5ft	15,6ft

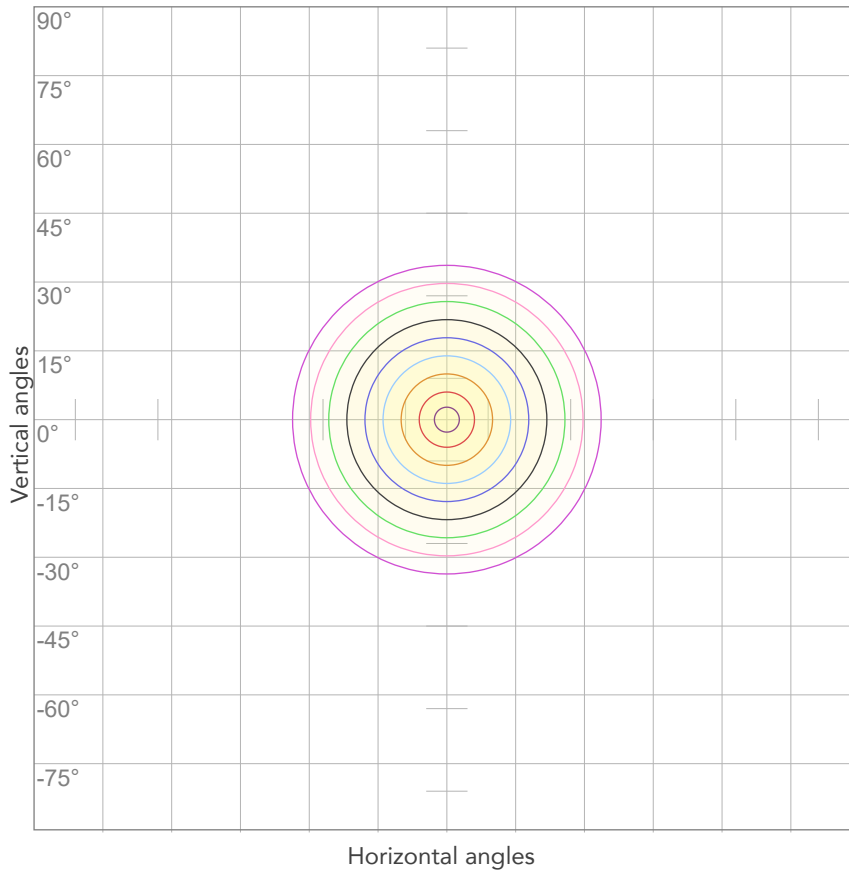
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	5,72A	1212,7W	0,94	6lm/W

ISO CANDELA DIAGRAM



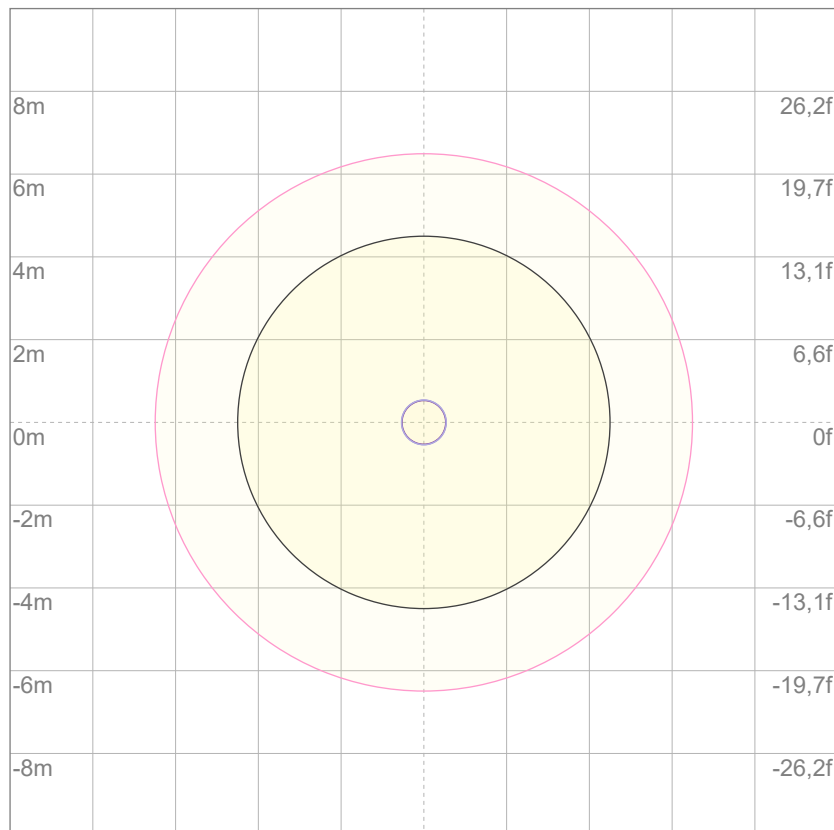
10%	97602 cd
20%	195205 cd
30%	292807 cd
40%	390410 cd
50%	488012 cd
60%	585615 cd
70%	683217 cd
80%	780820 cd

Conditions:

Number of c-planes: 2

Candela at center: 976025 cd

ISO LUX DIAGRAM



3%	293 lx
5%	488 lx
10%	976 lx
30%	2928 lx
50%	4880 lx

Conditions:

Number of c-planes: 2

Lux at center: 9760 lx

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



Total lumen output:

13603 lm

Peak candela output:

25487 cd

Light quality:

CRI: 95,7

Color temperature:

6458 K

PRODUCT NAME:
ASTRAPROFILE1200IP

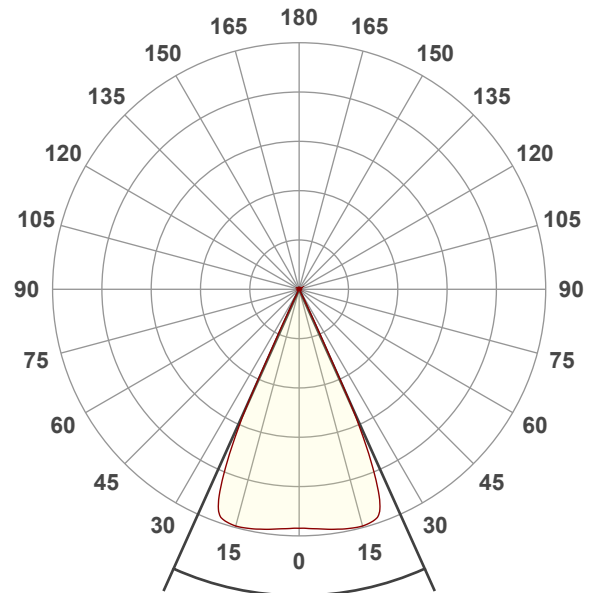
MEASURAMENT CONDITIONS:

Beam angle:
Max Zoom

Target:
High CRI

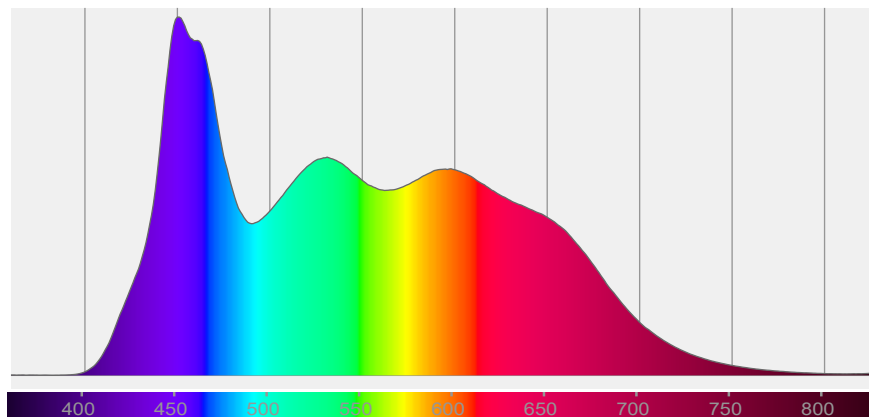
Operator:
Giuseppe della Peruta

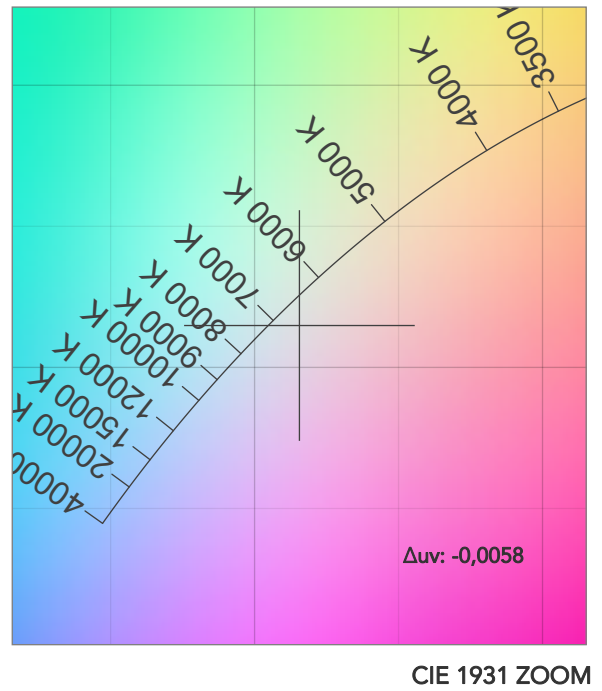
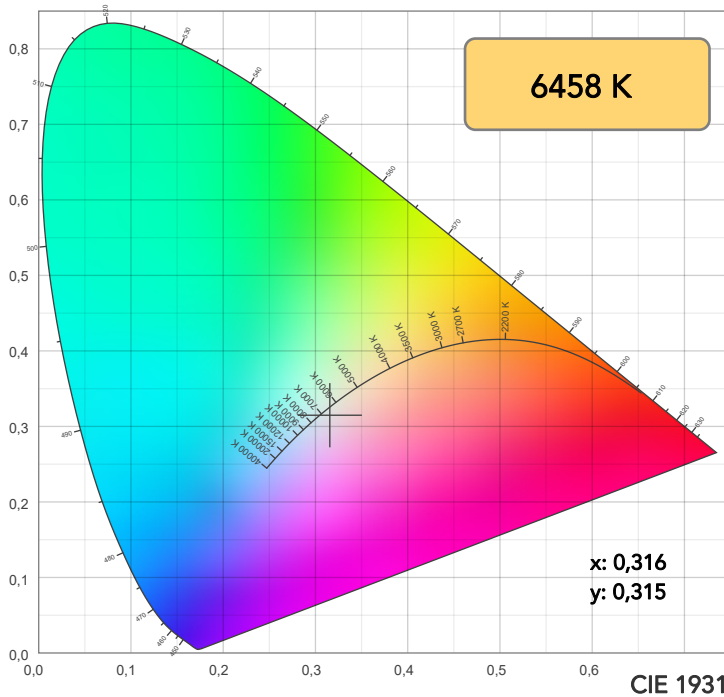
Date and time:
11/11/2025 11:54:15



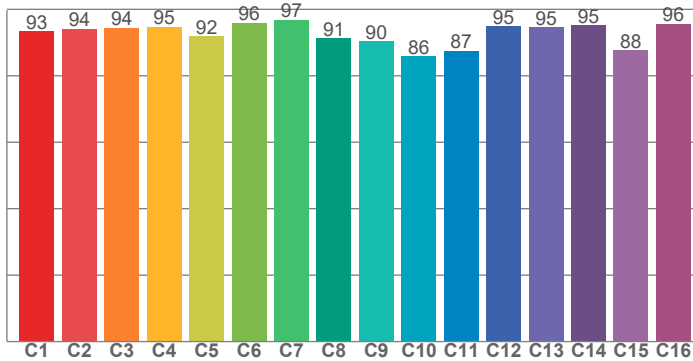
Beam angle 50%: 48,4°
Field angle 10%: 51,1°
Cut off angle 2.5%: 52°

Spectra

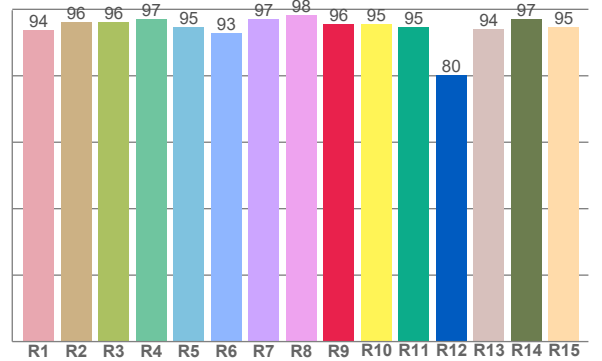




TM30: 92,6



CRI: 95,7 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,8	96,0	96,1	97,0	94,6	92,7	97,1	98,2	95,6	95,4	94,6	80,2	94,0	97,0	94,5

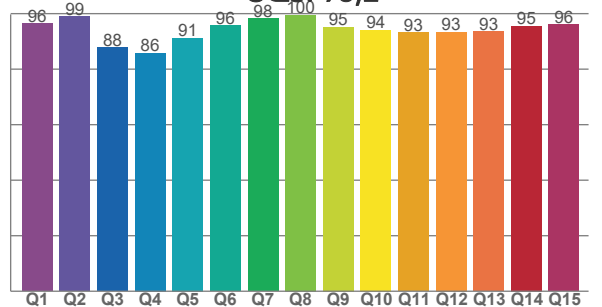
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,3	94,1	94,5	94,7	92,0	96,0	96,8	91,3	90,3	85,8	87,5	94,9	94,7	95,2	87,7	95,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,4	99,0	87,7	85,9	91,2	95,8	98,3	99,5	95,1	94,1	93,3	93,4	93,5	95,5	96,1

CQS: 93,2



COLOR PARAMETERS

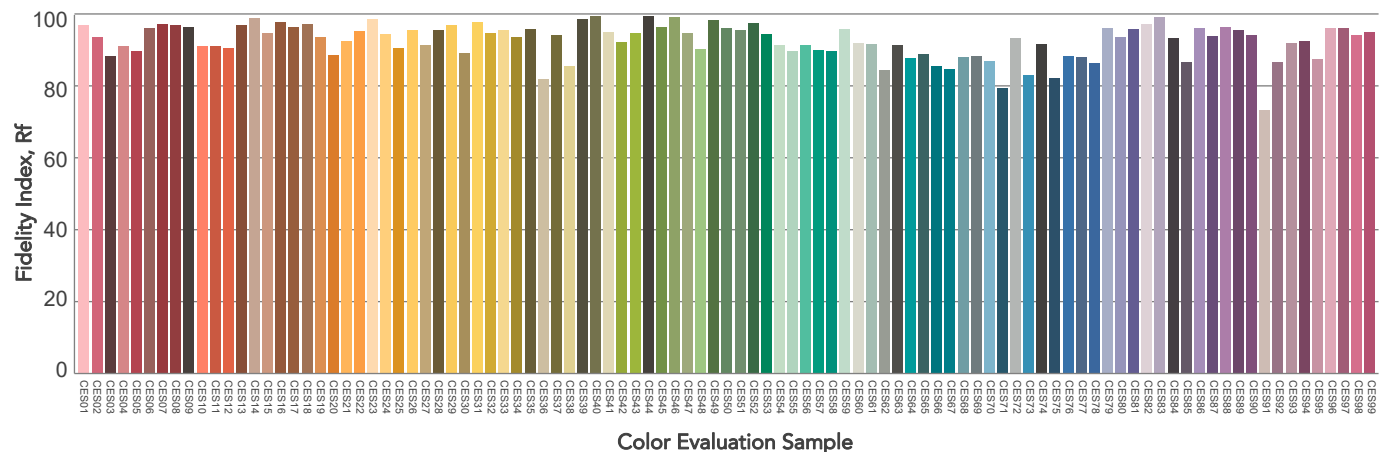
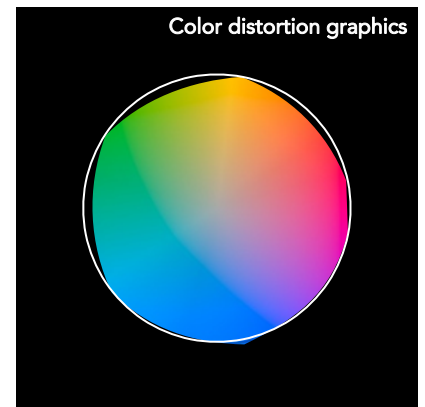
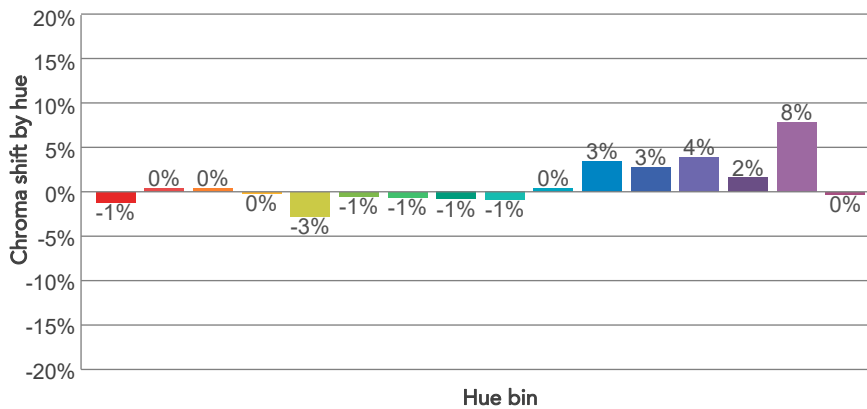
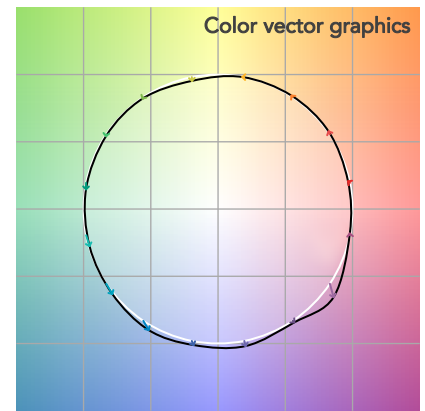
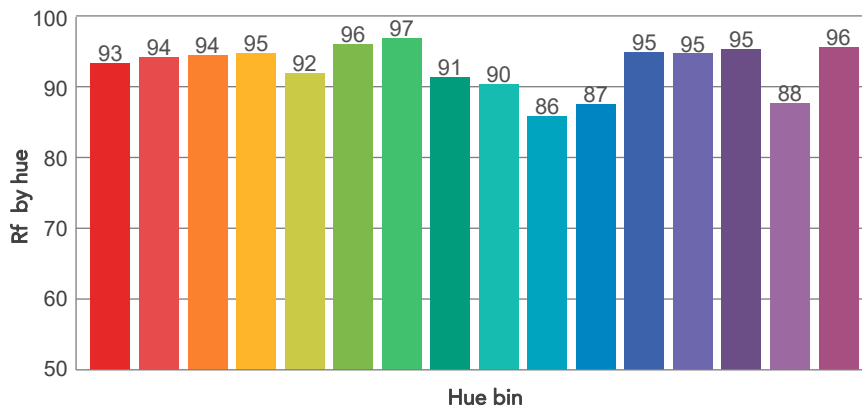
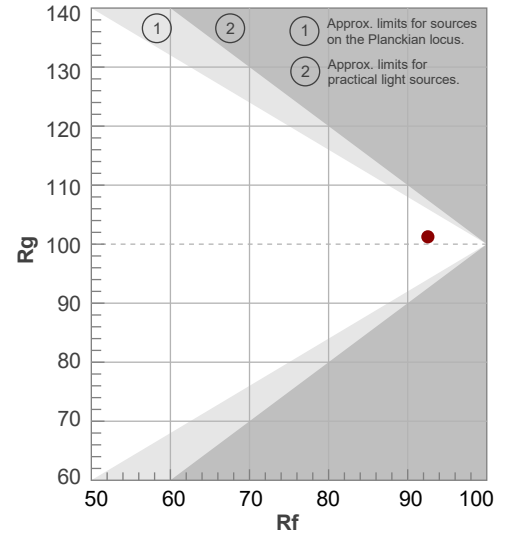
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6458 K	95,7	95,6	92,6	101,2	93,2	98	0,316	0,315	-0,0058

TM30 DETAILS

Rf 92,6
Fidelity index Rf

Rg 101,2
Gammut index

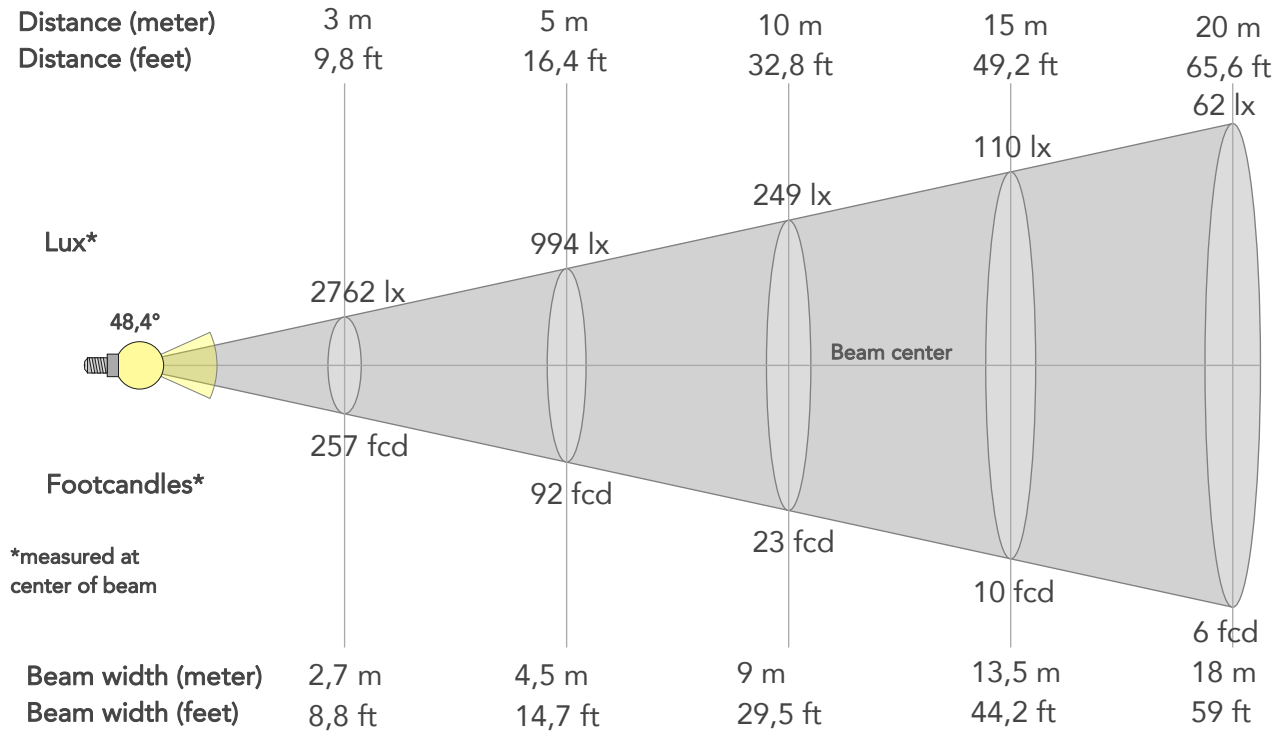
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-1%	1%
2	94	0%	2%
3	94	0%	1%
4	95	0%	1%
5	92	-3%	0%
6	96	-1%	1%
7	97	-1%	1%
8	91	-1%	5%
9	90	-1%	8%
10	86	0%	9%
11	87	3%	7%
12	95	3%	2%
13	95	4%	0%
14	95	2%	0%
15	88	8%	-7%
16	96	0%	1%



BEAM DETAILS



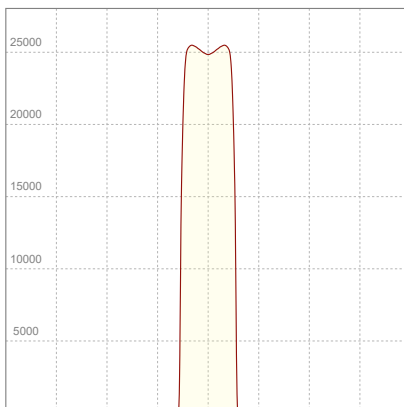
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48,4°	51,1°	52°	99,5%	99,4%



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	24854lx	6213lx	2762lx	1553lx	994lx	442lx	249lx	110lx	62lx	40lx	28lx	16lx	10lx
Footcand.	2309fcd	577fcd	257fcd	144fcd	92fcd	41fcd	23fcd	10fcd	6fcd	4fcd	3fcd	1fcd	1fcd
Beam wid.	0,9m	1,8m	2,7m	3,6m	4,5m	6,7m	9m	13,5m	18m	22,5m	27m	36m	45m
Beam wid.	3ft	5,9ft	8,8ft	11,8ft	14,7ft	22,1ft	29,5ft	44,2ft	59ft	73,7ft	88,5ft	118ft	147,4ft

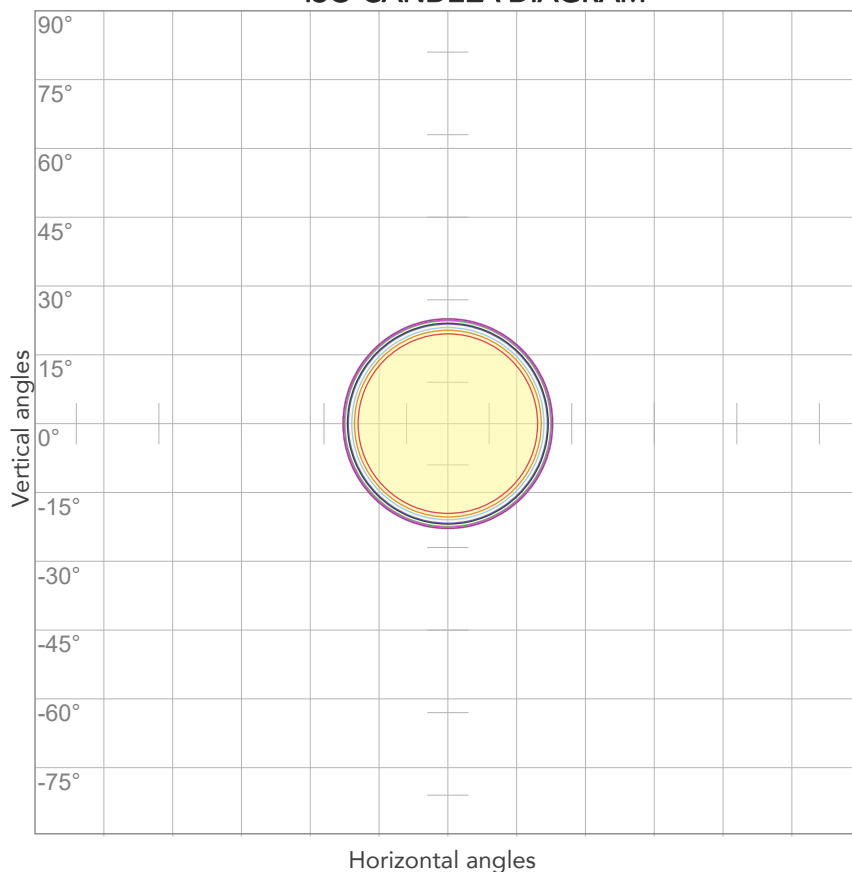
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
223V	7,75A	1664,5W	0,96	8lm/W

ISO CANDELA DIAGRAM



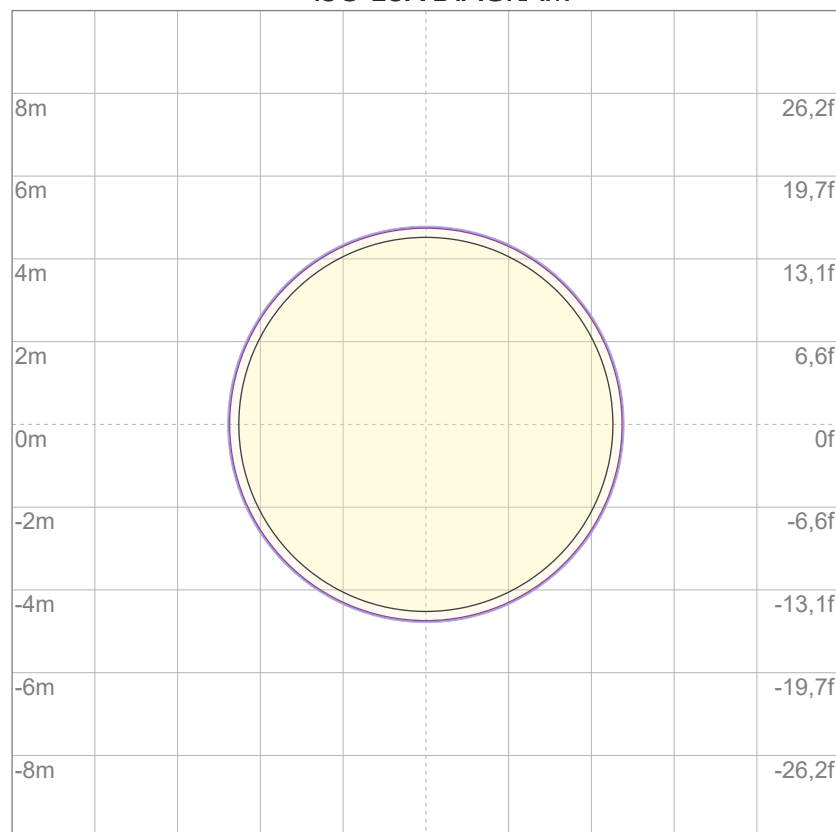
10%	2485 cd
20%	4971 cd
30%	7456 cd
40%	9941 cd
50%	12427 cd
60%	14912 cd
70%	17397 cd
80%	19883 cd

Conditions:

Number of c-planes: 2

Candela at center: 24854 cd

ISO LUX DIAGRAM



3%	7,46 lx
5%	12,4 lx
10%	24,9 lx
30%	74,6 lx
50%	124 lx

Conditions:

Number of c-planes: 2

Lux at center: 249 lx

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



Total lumen output:

13588 lm

Peak candela output:

150282 cd

Light quality:

CRI: 95,6

Color temperature:

6453 K

PRODUCT NAME:
ASTRAPROFILE1200IP

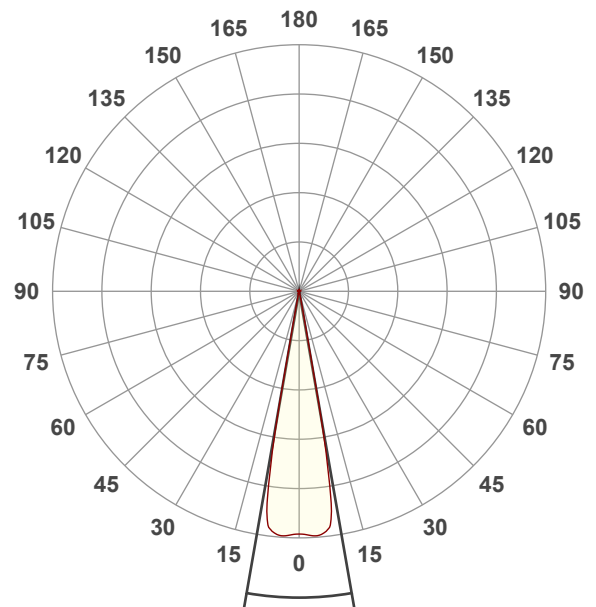
MEASURAMENT CONDITIONS:

Beam angle:
Med Zoom

Target:
High CRI

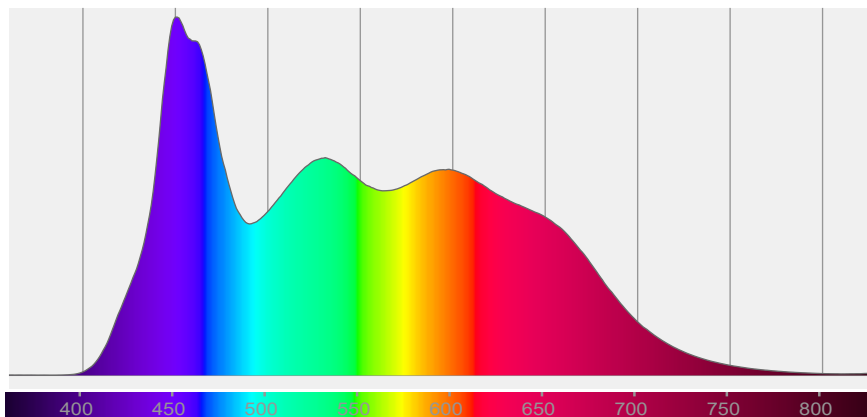
Operator:
Giuseppe della Peruta

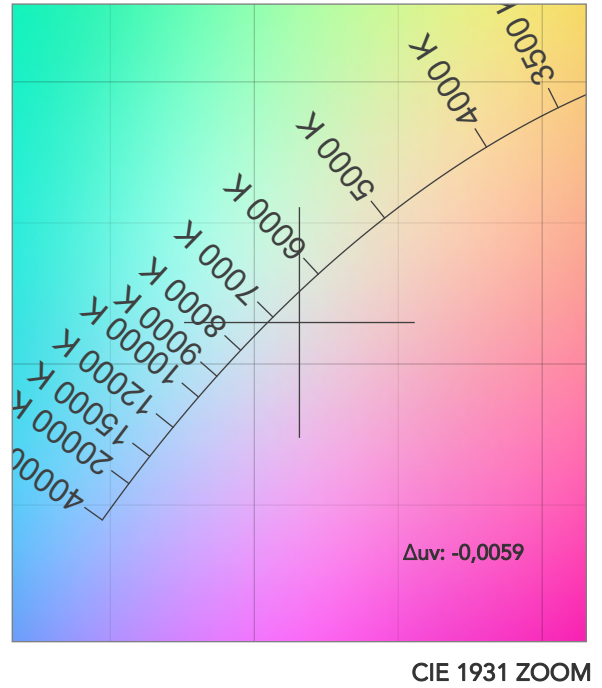
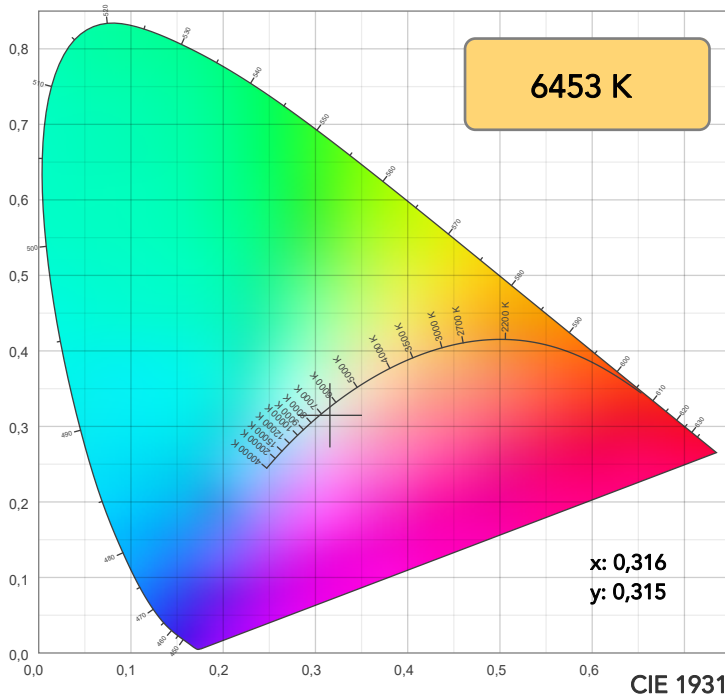
Date and time:
11/11/2025 12:17:16



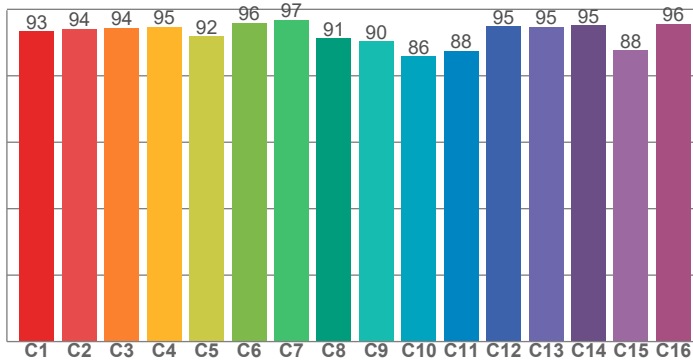
Beam angle 50%: 19,7°
Field angle 10%: 21,4°
Cut off angle 2.5%: 22,9°

Spectra

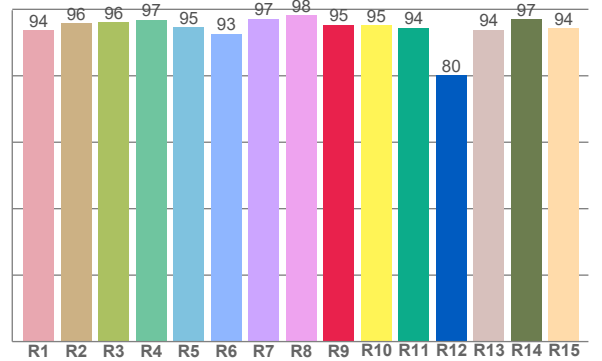




TM30: 92,6



CRI: 95,6 (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
93,6	95,9	96,0	96,9	94,5	92,7	97,2	98,3	95,4	95,3	94,5	80,3	93,8	96,9	94,3

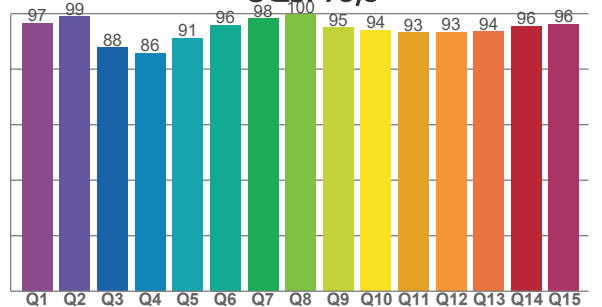
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,3	94,1	94,5	94,7	91,9	96,0	96,8	91,3	90,3	85,9	87,5	94,8	94,7	95,2	87,7	95,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,5	98,9	87,7	85,9	91,3	95,9	98,3	99,6	95,1	94,1	93,3	93,4	93,5	95,6	96,2

CQS: 93,3



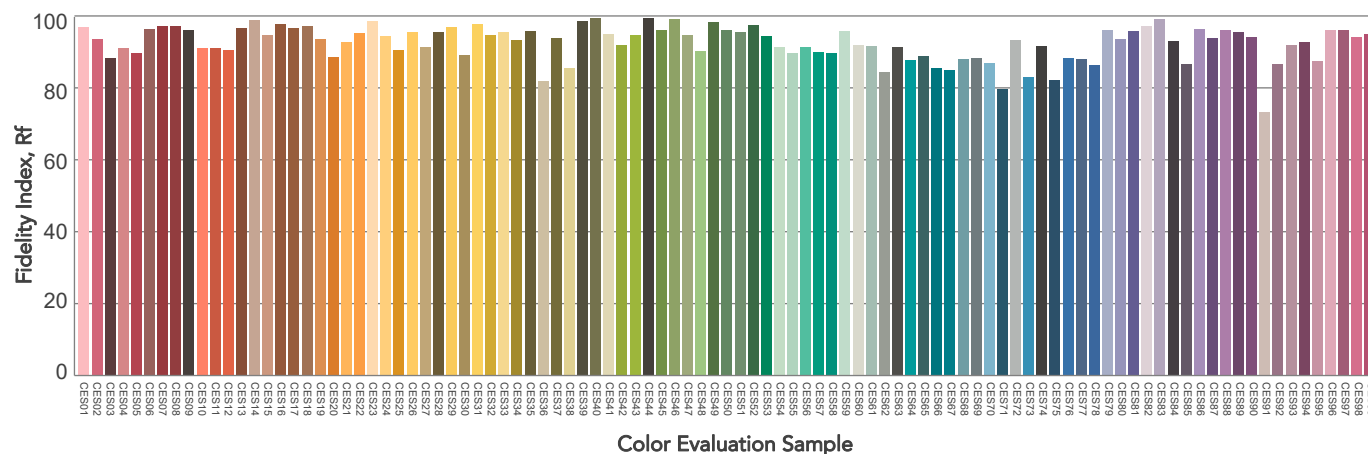
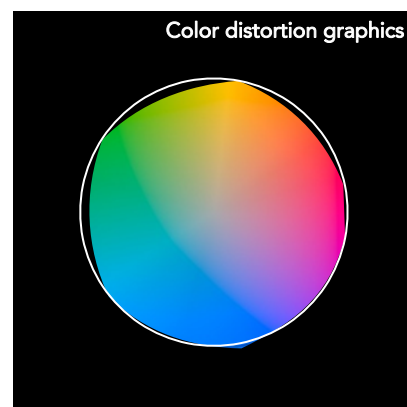
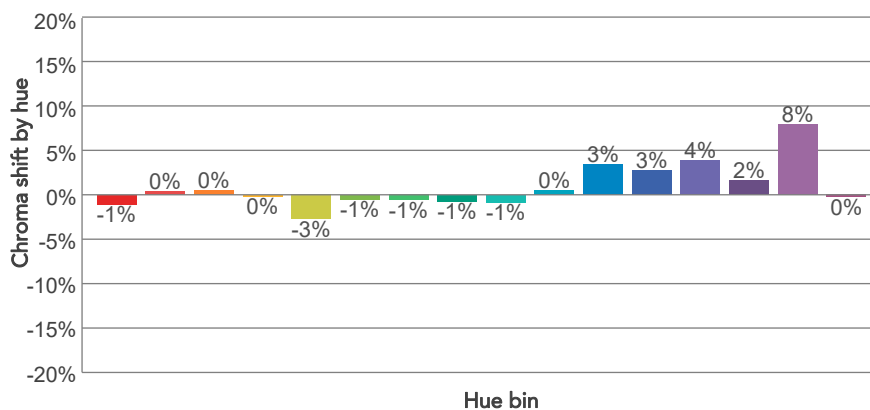
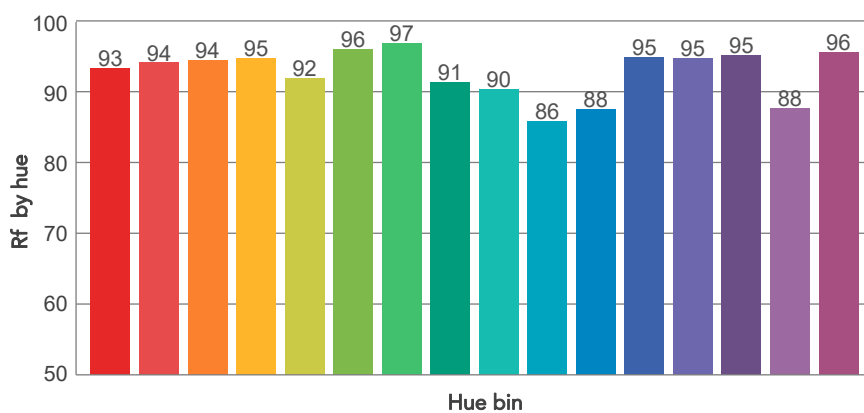
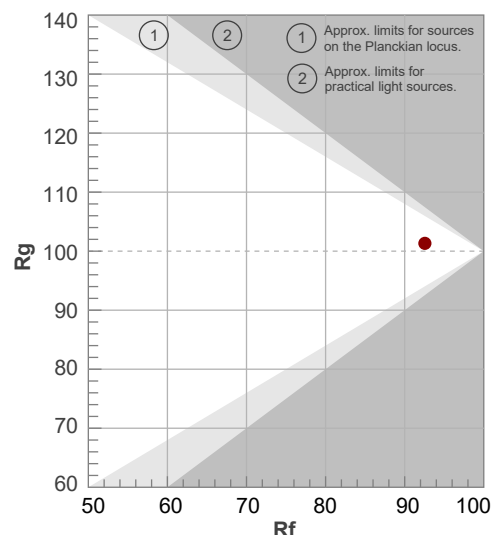
COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6453 K	95,6	95,4	92,6	101,3	93,3	98	0,316	0,315	-0,0059

Fidelity index R_f

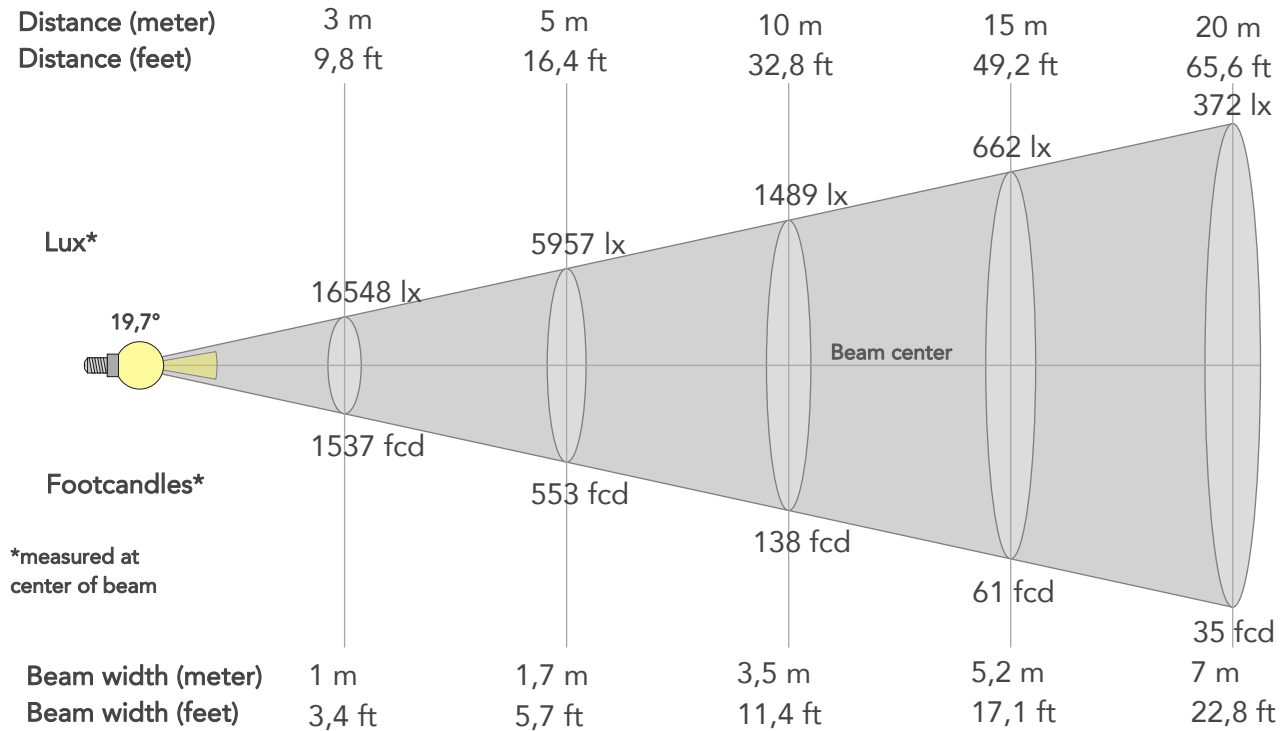
Gammut index

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	93	-1%	1%
2	94	0%	2%
3	94	0%	1%
4	95	0%	1%
5	92	-3%	0%
6	96	-1%	1%
7	97	-1%	1%
8	91	-1%	5%
9	90	-1%	8%
10	86	0%	9%
11	88	3%	7%
12	95	3%	2%
13	95	4%	0%
14	95	2%	0%
15	88	8%	-7%
16	96	0%	1%



BEAM DETAILS

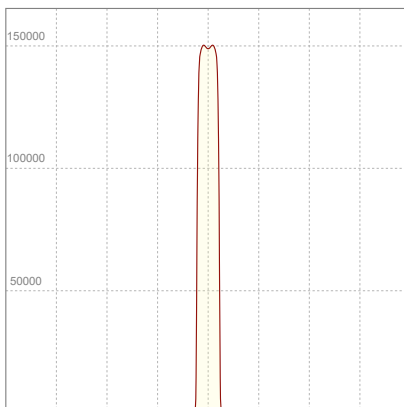
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
19,7°	21,4°	22,9°	99,9%	99,9%



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	148935lx	37234lx	16548lx	9308lx	5957lx	2648lx	1489lx	662lx	372lx	238lx	165lx	93lx	60lx
Footcand.	13837fcd	3459fcd	1537fcd	865fcd	553fcd	246fcd	138fcd	61fcd	35fcd	22fcd	15fcd	9fcd	6fcd
Beam wid.	0,3m	0,7m	1m	1,4m	1,7m	2,6m	3,5m	5,2m	7m	8,7m	10,4m	13,9m	17,4m
Beam wid.	1,1ft	2,3ft	3,4ft	4,6ft	5,7ft	8,6ft	11,4ft	17,1ft	22,8ft	28,5ft	34,3ft	45,7ft	57,1ft

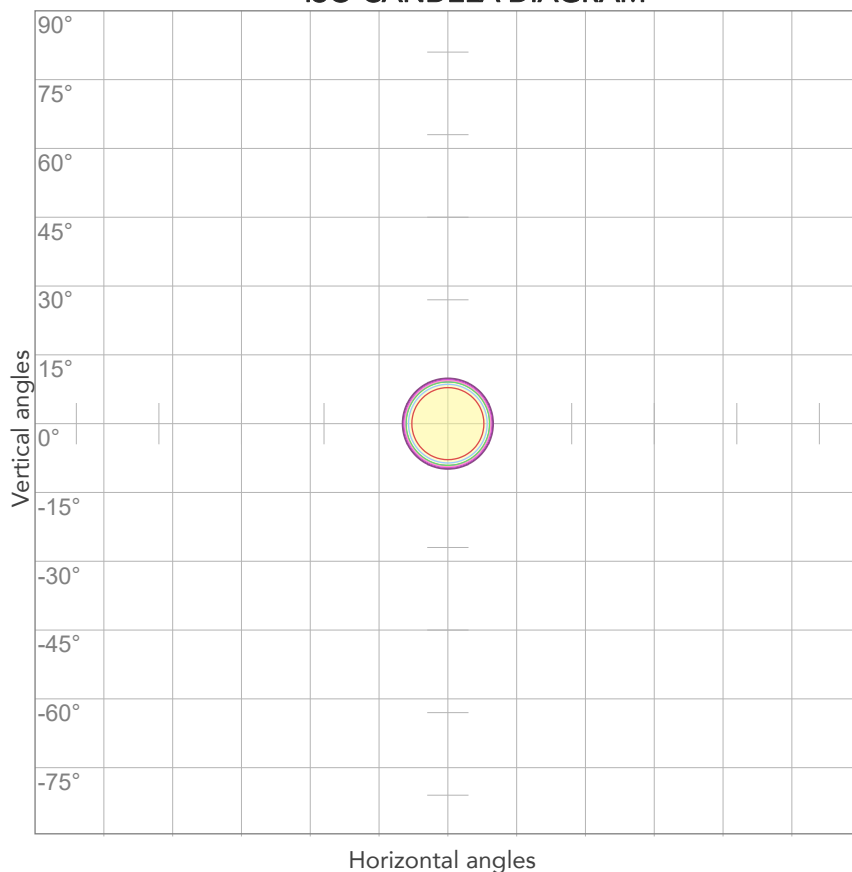
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	7,70A	1661,3W	0,96	8lm/W

ISO CANDELA DIAGRAM



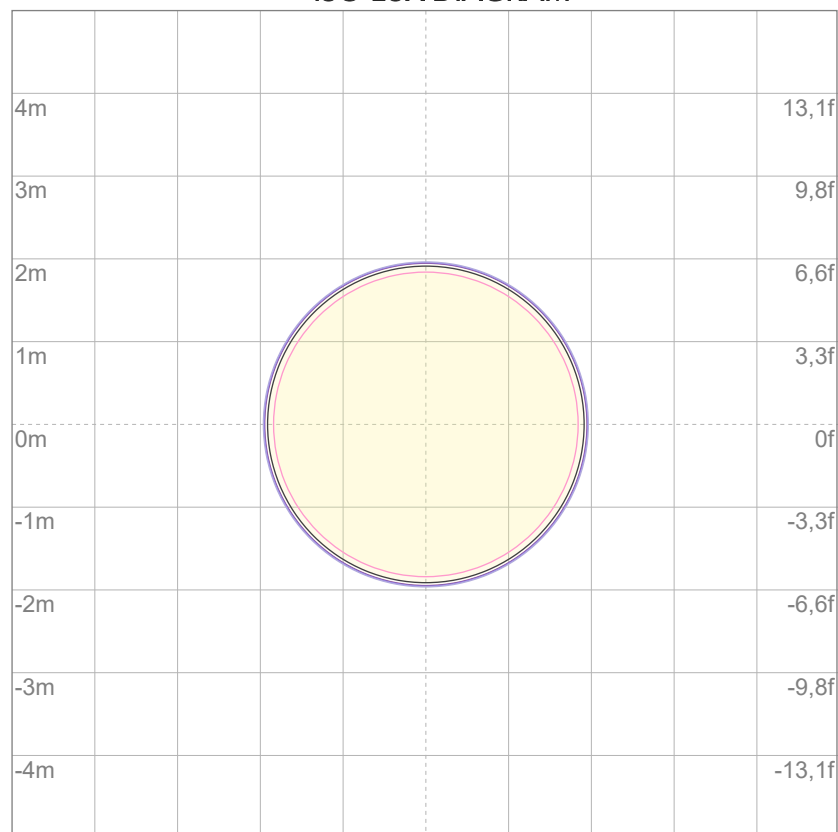
10%	14894 cd
20%	29787 cd
30%	44681 cd
40%	59574 cd
50%	74468 cd
60%	89361 cd
70%	104255 cd
80%	119148 cd

Conditions:

Number of c-planes: 2

Candela at center: 148935 cd

ISO LUX DIAGRAM



3%	44,7 lx
5%	74,5 lx
10%	149 lx
30%	447 lx
50%	745 lx

Conditions:

Number of c-planes: 2

Lux at center: 1489 lx

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



Total lumen output:

6193 lm

Peak candela output:

908382 cd

Light quality:

CRI: 95,5

Color temperature:

5877 K

PRODUCT NAME:
ASTRAPROFILE1200IP

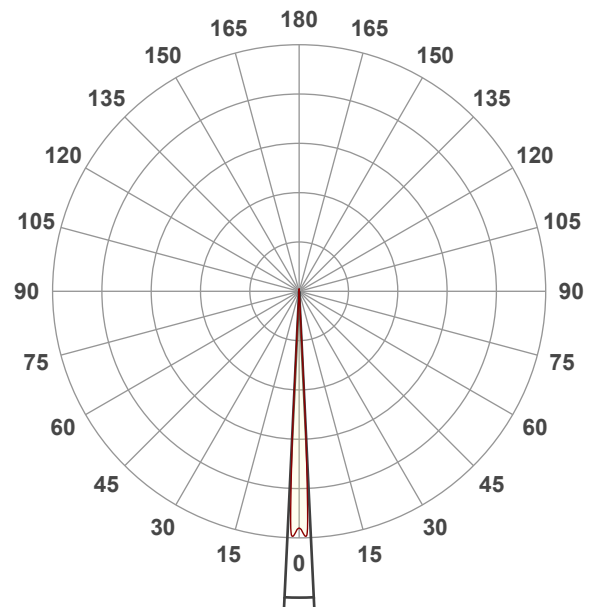
MEASURAMENT CONDITIONS:

Beam angle:
Min Zoom

Target:
High CRI

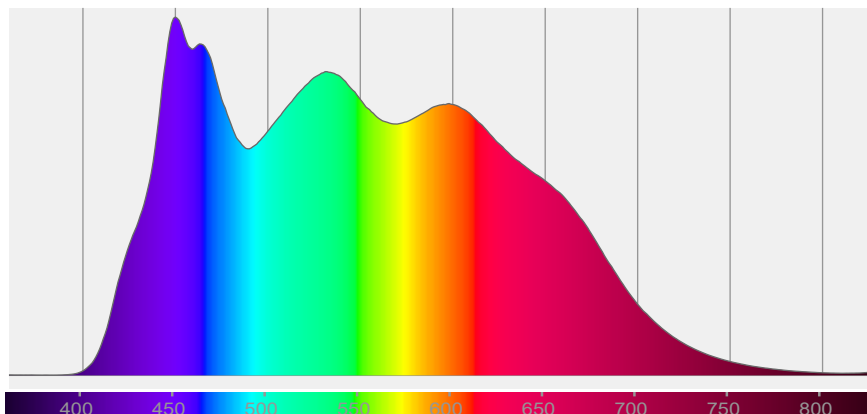
Operator:
Giuseppe della Peruta

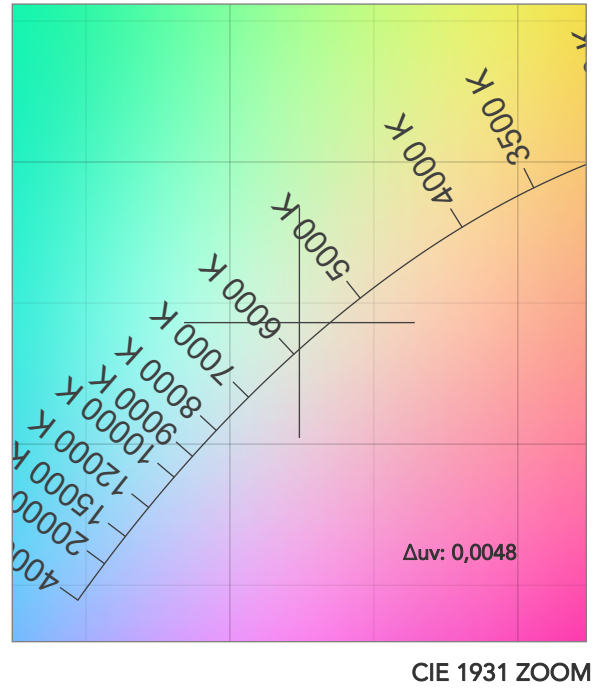
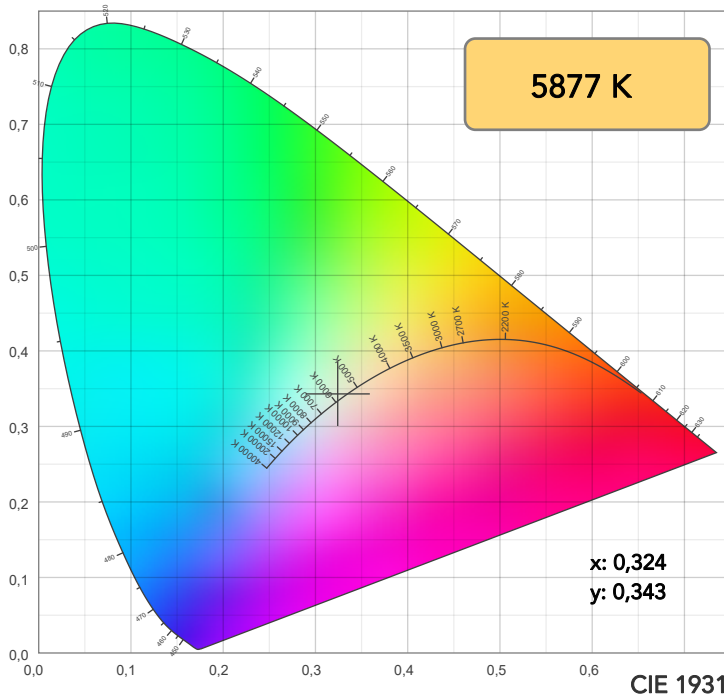
Date and time:
11/11/2025 11:59:09



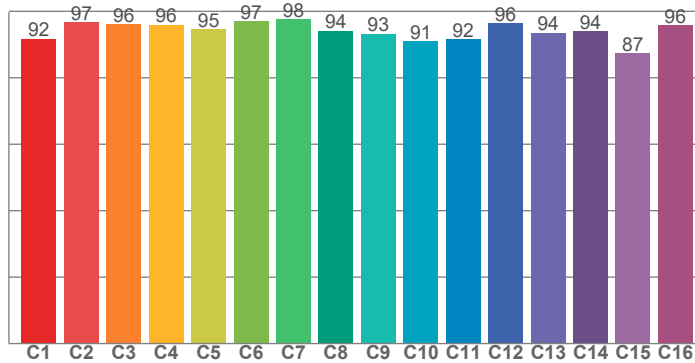
Beam angle 50%: 5,5°
Field angle 10%: 6,1°
Cut off angle 2.5%: 6,2°

Spectra

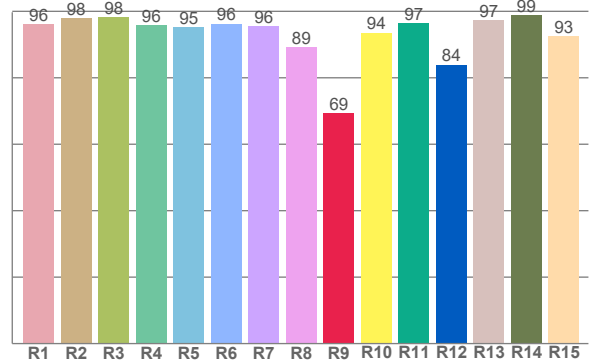




TM30: 94,1



CRI: 95,5 (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
96,1	97,9	98,2	95,7	95,3	96,3	95,6	89,2	69,4	93,5	96,5	84,0	97,2	98,8	92,6

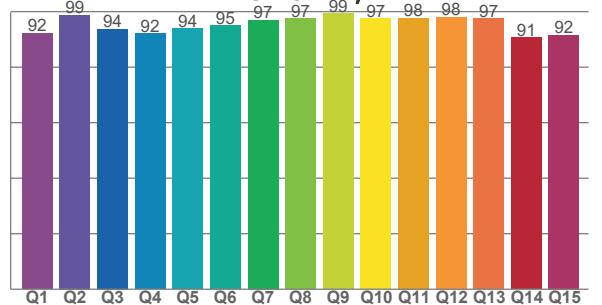
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91,7	96,7	96,1	95,9	94,6	96,9	97,5	94,2	93,2	91,0	91,6	96,3	93,5	94,0	87,3	95,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,2	98,7	93,7	92,1	93,9	94,9	96,9	97,4	99,3	97,5	97,7	98,0	97,4	90,7	91,6

CQS: 94,7



COLOR PARAMETERS

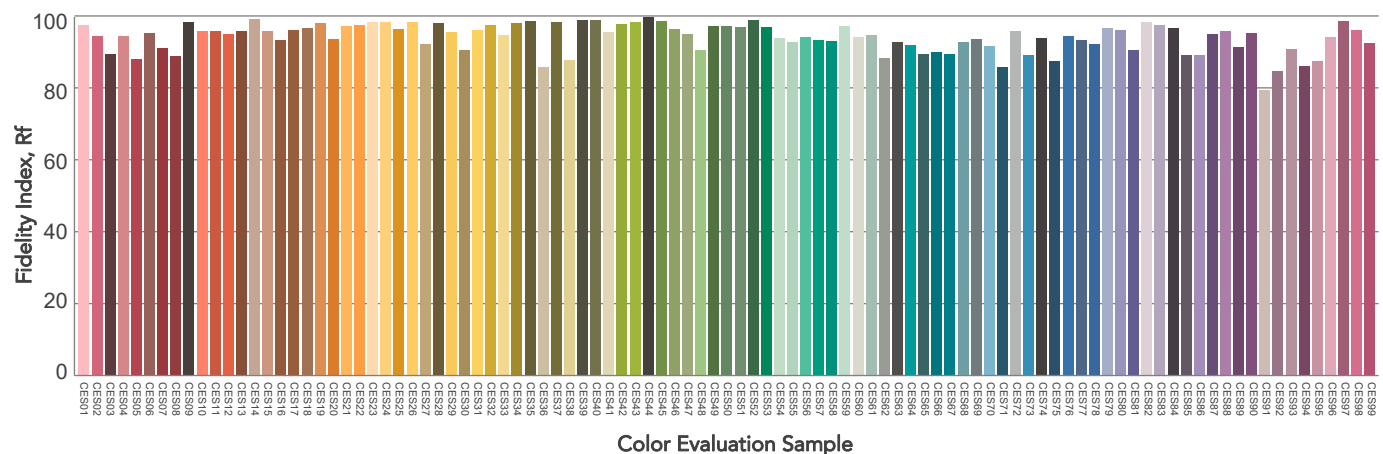
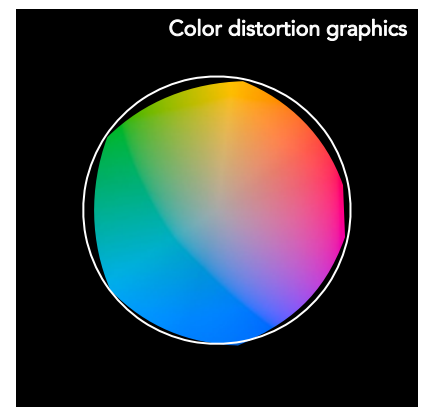
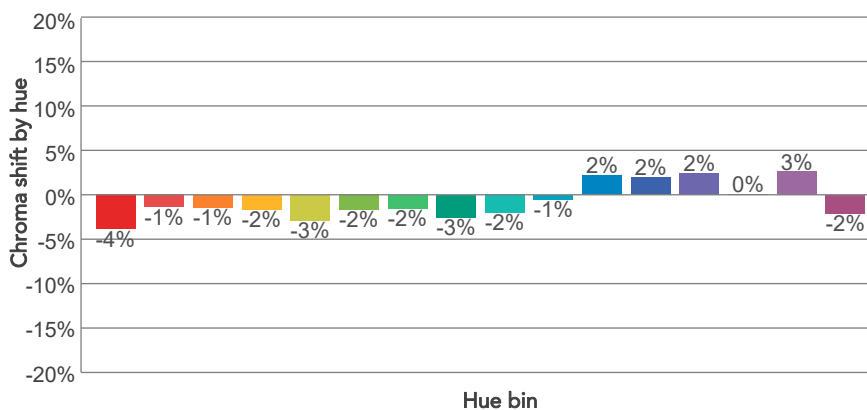
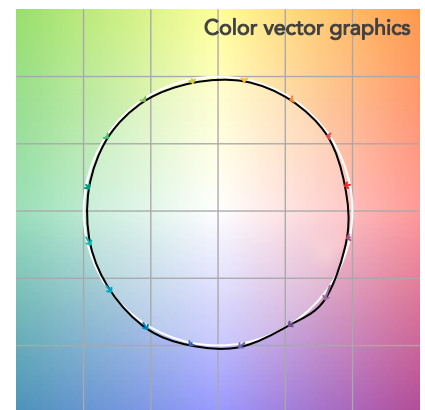
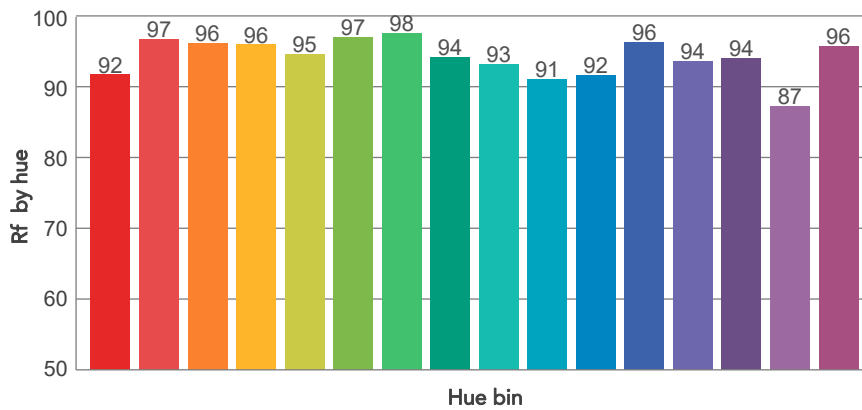
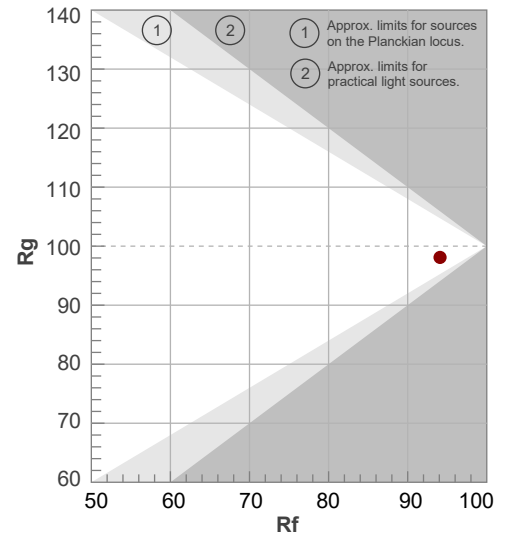
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5877 K	95,5	69,4	94,1	98,1	94,7	98	0,324	0,343	0,0048

TM30 DETAILS

Rf 94,1
Fidelity index Rf

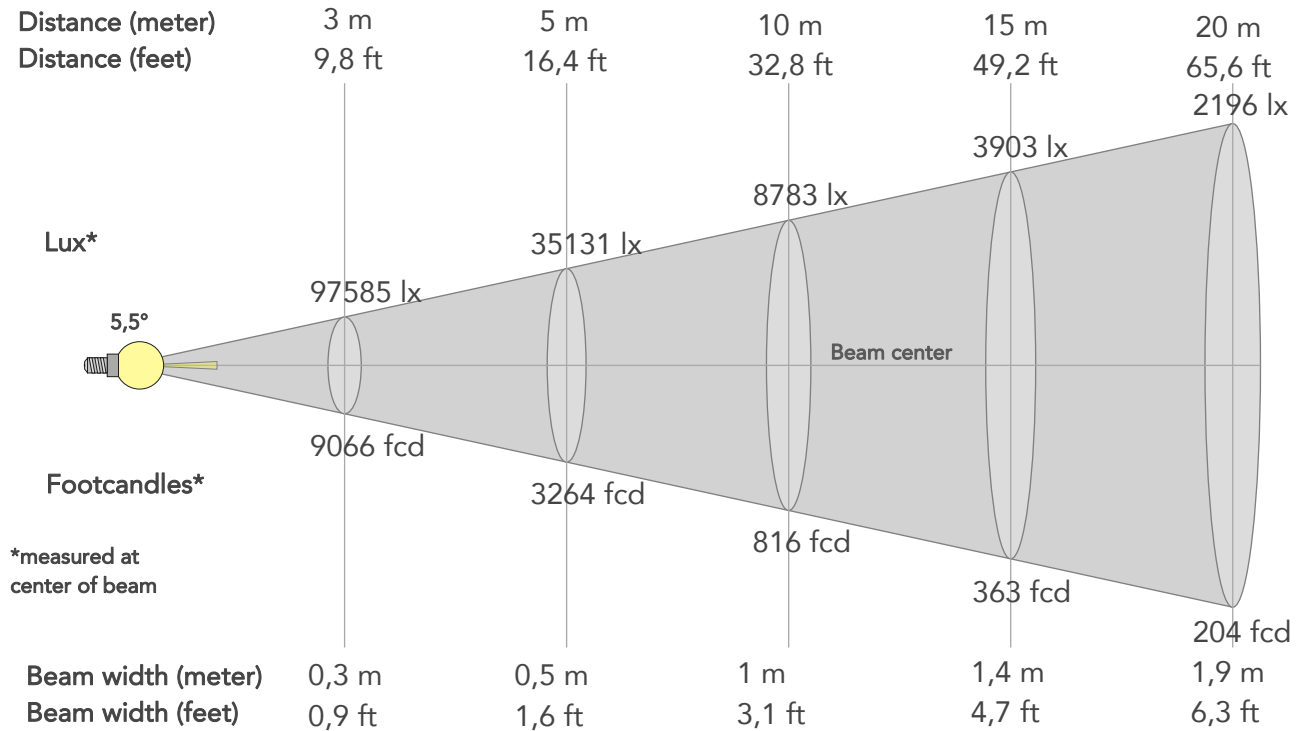
Rg 98,1
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	92	-4%	0%
2	97	-1%	1%
3	96	-1%	1%
4	96	-2%	0%
5	95	-3%	0%
6	97	-2%	0%
7	98	-2%	0%
8	94	-3%	2%
9	93	-2%	6%
10	91	-1%	6%
11	92	2%	5%
12	96	2%	-1%
13	94	2%	-4%
14	94	0%	-4%
15	87	3%	-10%
16	96	-2%	-1%



BEAM DETAILS

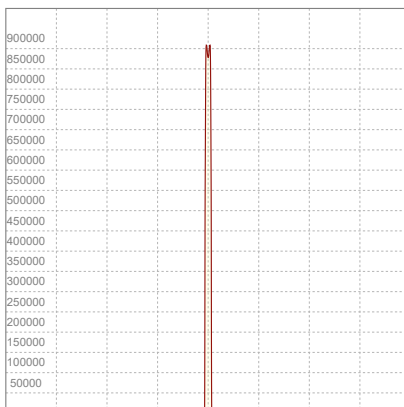
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
5,5°	6,1°	6,2°	100,0%	100,0%



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	878264lx	219566lx	97585lx	54891lx	35131lx	15614lx	8783lx	3903lx	2196lx	1405lx	976lx	549lx	351lx
Footcand.	81593fcd	20398fcd	9066fcd	5100fcd	3264fcd	1451fcd	816fcd	363fcd	204fcd	131fcd	91fcd	51fcd	33fcd
Beam wid.	0,1m	0,2m	0,3m	0,4m	0,5m	0,7m	1m	1,4m	1,9m	2,4m	2,9m	3,8m	4,8m
Beam wid.	0,3ft	0,6ft	0,9ft	1,3ft	1,6ft	2,4ft	3,1ft	4,7ft	6,3ft	7,8ft	9,4ft	12,5ft	15,7ft

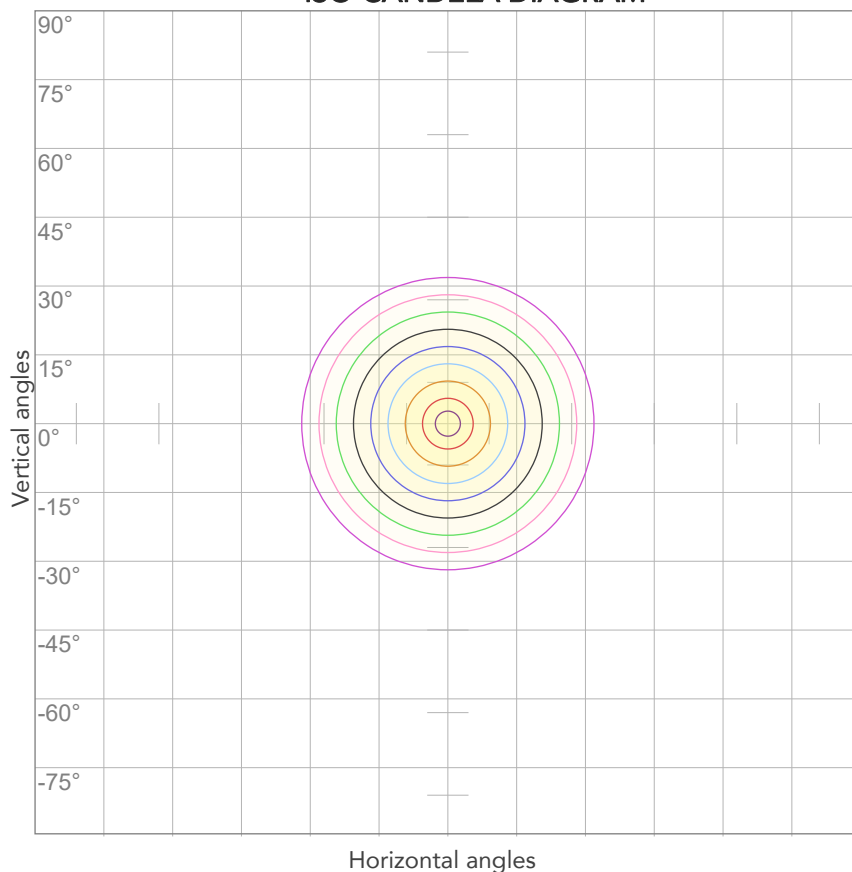
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
222V	7,74A	1659,8W	0,96	4lm/W

ISO CANDELA DIAGRAM



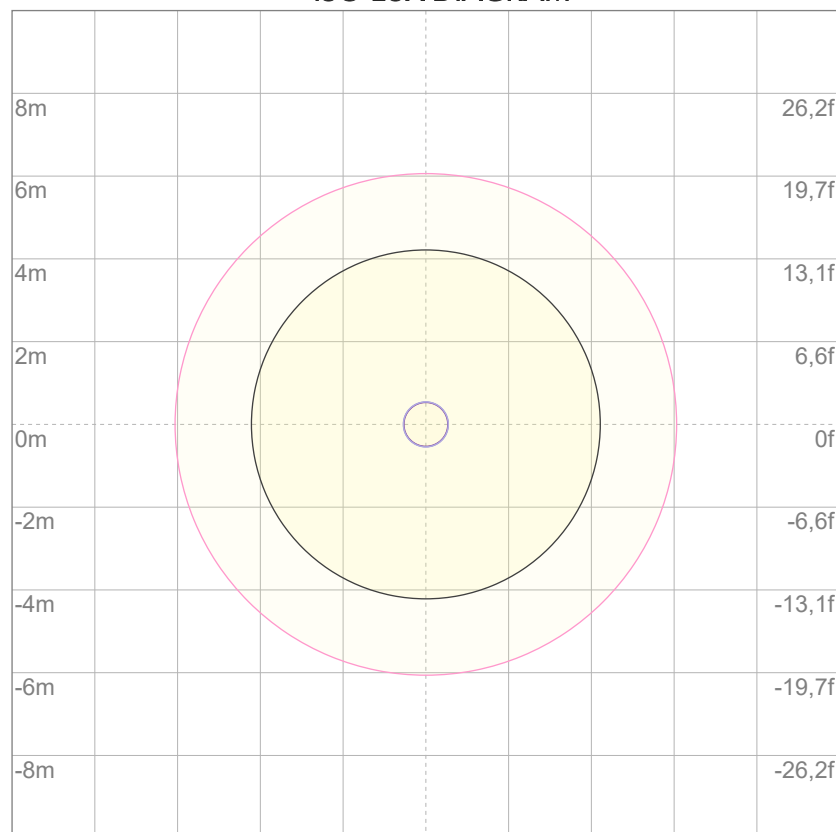
10%	87826 cd
20%	175653 cd
30%	263479 cd
40%	351305 cd
50%	439132 cd
60%	526958 cd
70%	614785 cd
80%	702611 cd

Conditions:

Number of c-planes: 2

Candela at center: 878264 cd

ISO LUX DIAGRAM



3%	263 lx
5%	439 lx
10%	878 lx
30%	2635 lx
50%	4391 lx

Conditions:

Number of c-planes: 2

Lux at center: 8783 lx

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