



Photometric Test Report



EclPanel IPSoft1x1

1x1 Soft Source LED Panel, IP65 with 300W
power and 6 colors source

(PRELIMINARY)

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TESTING PROCESS

Prolights has its own optical testing laboratory in order to provide accurate photometric reports for its lighting products. The testing laboratory contains certain variety of precise lighting measurement systems that ensure an optimal reading of all the characteristic parameters of the lighting devices. All measurements are made at a controlled room temperature of 20°C without any external light sources. This photometric report is obtained through the data measured by a high precision measurement system and analyzed by a dedicate software.

Prolights measurement instrument

Prolights measurement instrument is a complete measurement system for any light source. It's equipped with two-axis goniometer, that enables to measure the full 3D distribution field of the light source. This instrument measures the light intensity, the beam angle and the most significative colors parameters, like color temperature, spectral distribution, CRI, CQS, TM-30 with a very high accuracy rate.

Please Note: All measurements are made with light source at operating temperature. Before starting the measurement, the instrument analyzes the process of the light source during the heating phase. The measuring process of all the parameters begins only when the light emission is stable, that is with a variation of less than 0.5% in a 15 minutes time frame.

Prolights measurement software

The software provides user friendly interface for the operator who does the measurements, and it also analyzes and processes all the collected data by the instrument. With this software it is possible to see the measured data in real-time and it is possible to examine all the measured data and graphics afterwards as well. All information is collected in a specific Prolights template, and the software creates also IES and LDT files, which are widely used to transfer the photometric data, and to develop lighting system.

Additionally, the fixtures are rechecked using various hand-held instruments like Sekonic C-700 and Gossen Mavospec Base, this is done to ensure, that the data in the photometric report are as accurate as possible.



Total lumen output:

32640 lm

Peak candela output:

12888 cd

Light quality:

CRI: 93,2

Color temperature:

3269 K

PRODUCT NAME:
ECLPANELIP SOFT 1X1

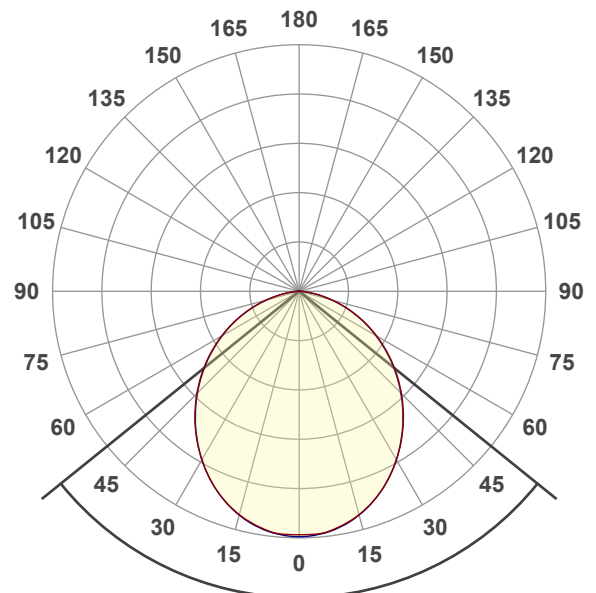
MEASURAMENT CONDITIONS:

Beam angle:
MD Filter

Target:
3200K - HB

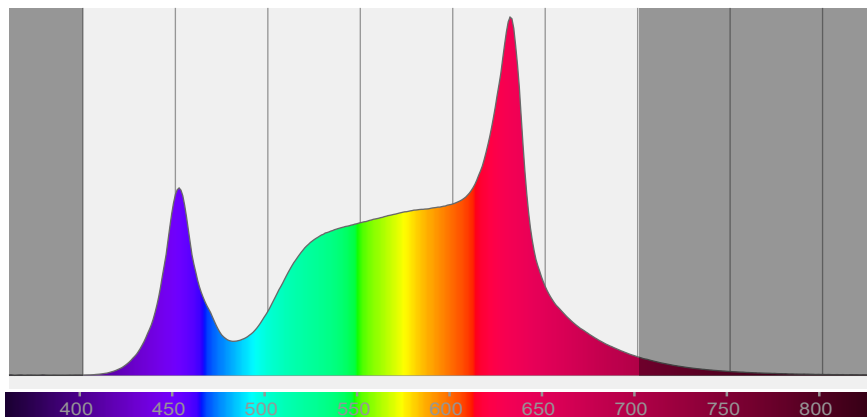
Operator:
Salvatore Giglio

Date and time:
04/09/2024 13:36:11

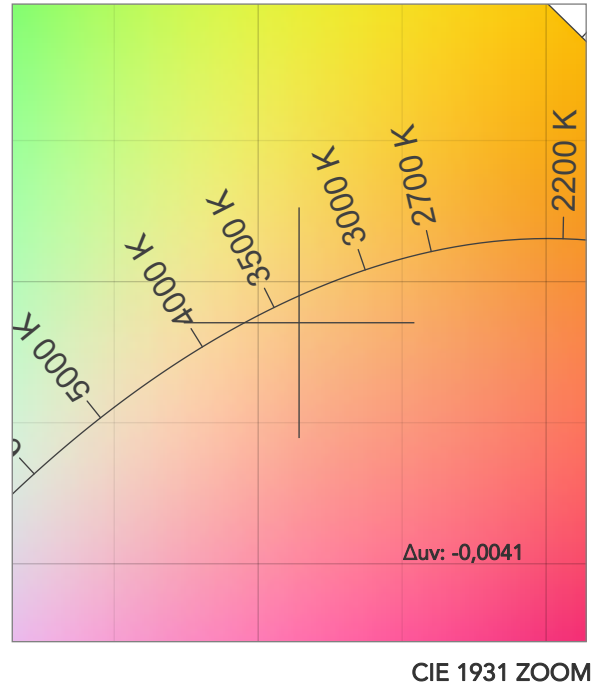
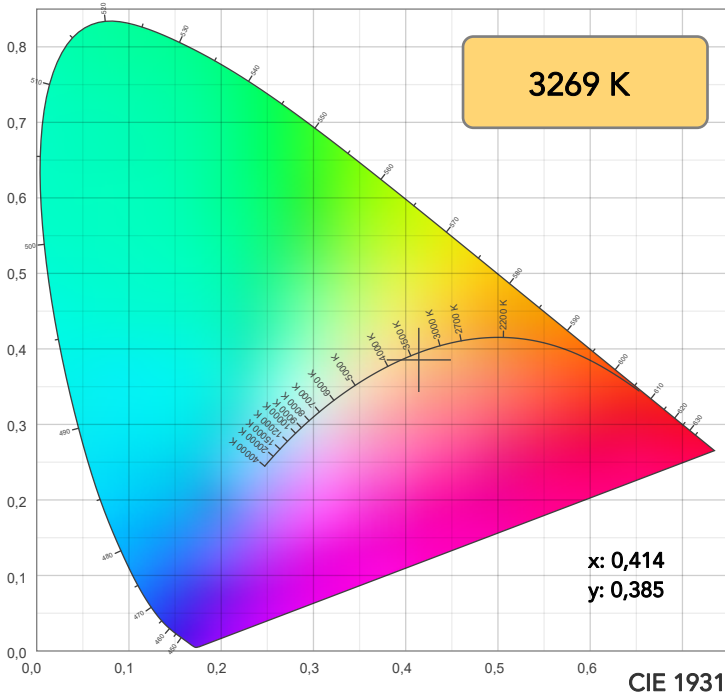


Beam angle 50%: 102,2°
Field angle 10%: 155,9°
Cut off angle 2.5%: 169,4°

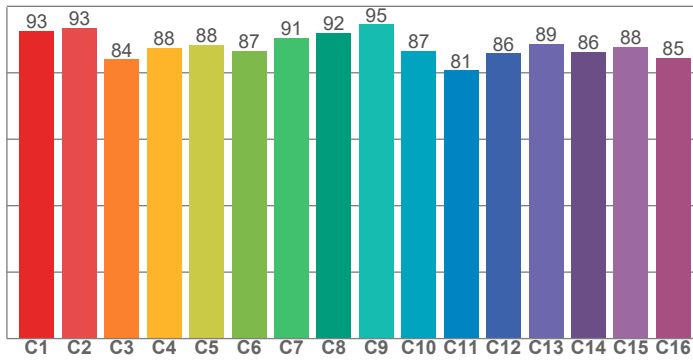
Spectra



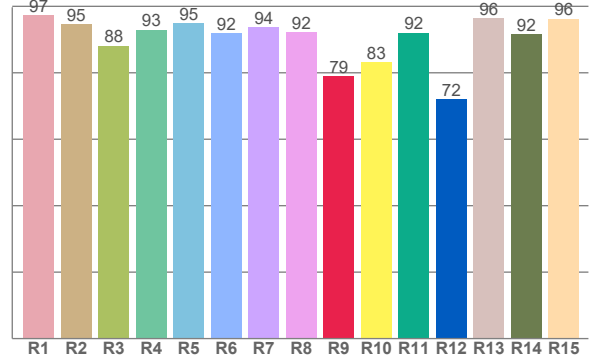
COLOR DETAILS



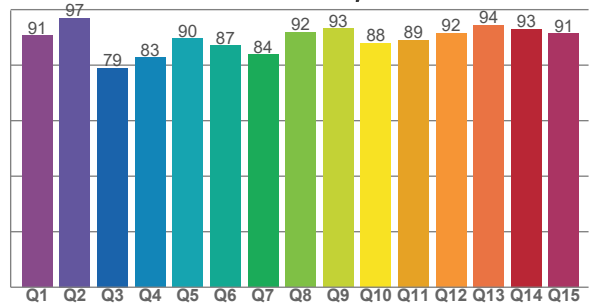
TM30: 88,3



CRI: 93,2 (R1-R8)



CQS: 88,4



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
97,4	94,5	88,2	93,0	94,9	92,0	93,7	92,3	78,9	83,1	92,1	72,1	96,3	91,6	96,2

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,7	93,4	84,1	87,5	88,5	86,6	90,5	92,1	94,6	86,6	80,7	85,9	88,8	86,3	87,7	84,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90,6	97,0	79,0	82,7	89,6	87,0	83,8	91,8	93,2	87,9	89,0	91,5	94,5	93,0	91,4

COLOR PARAMETERS

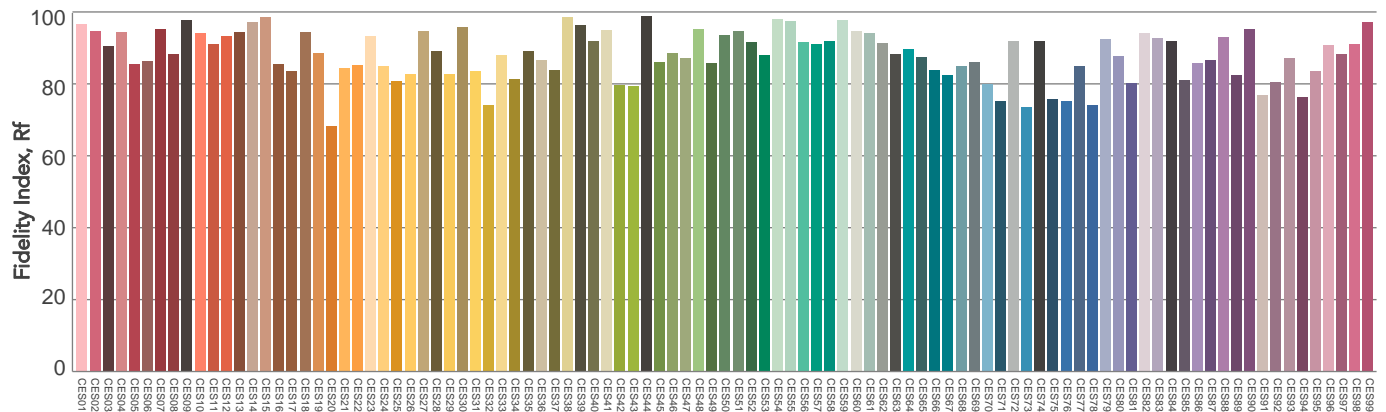
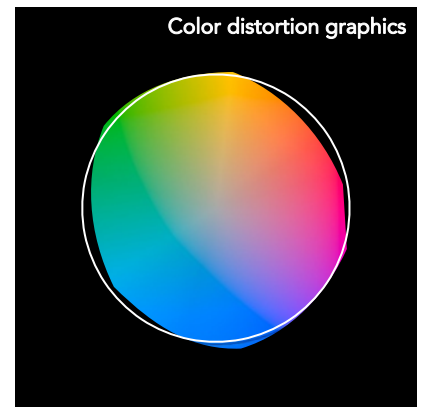
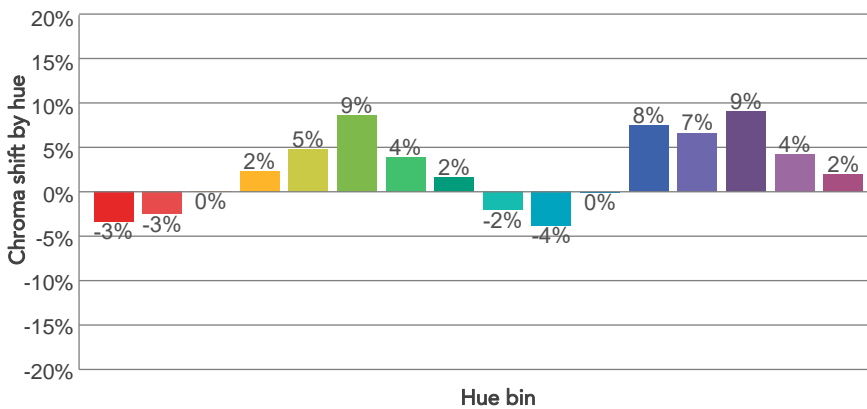
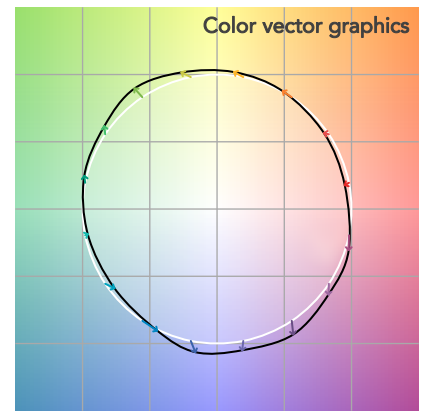
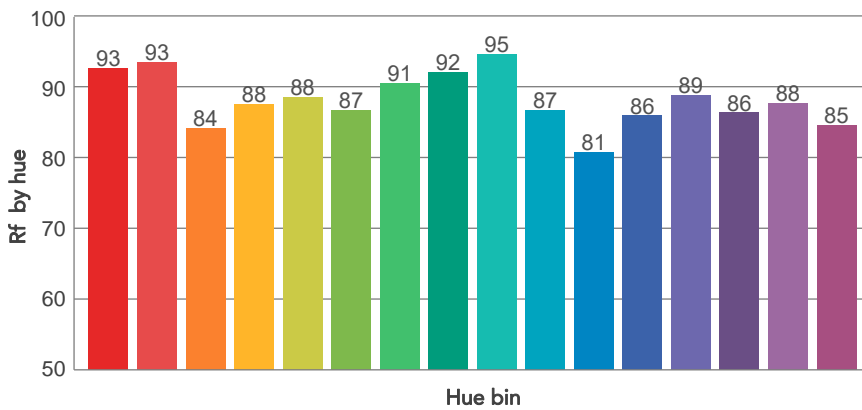
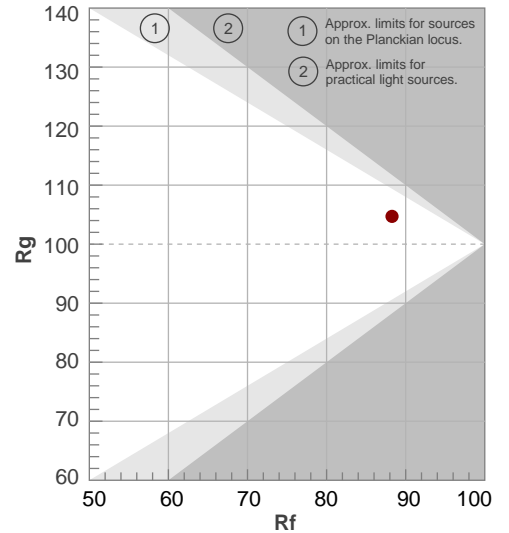
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3269 K	93,2	78,9	88,3	104,7	88,4	81	0,414	0,385	-0,0041

TM30 DETAILS

Rf 88,3
Fidelity index Rf

Rg 104,7
Gammut index

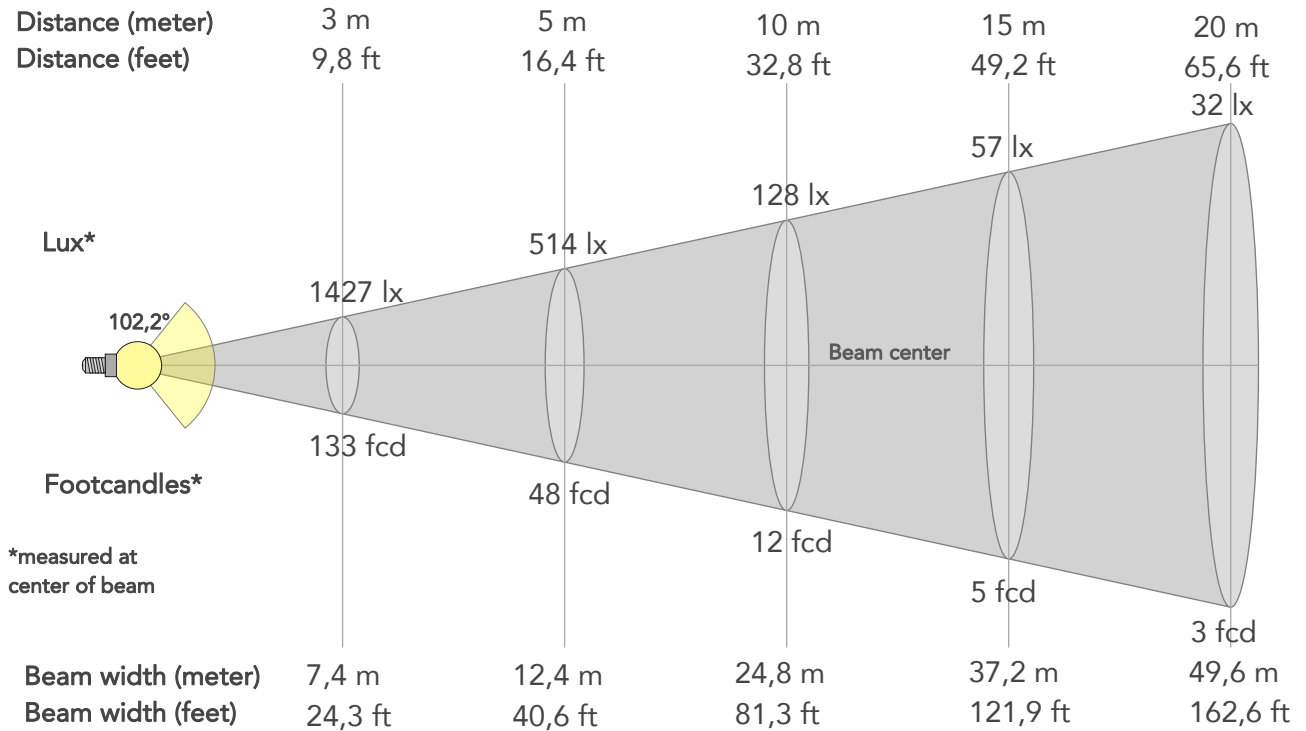
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	-1%
2	93	-3%	3%
3	84	0%	8%
4	88	2%	7%
5	88	5%	6%
6	87	9%	1%
7	91	4%	-5%
8	92	2%	-5%
9	95	-2%	0%
10	87	-4%	7%
11	81	0%	13%
12	86	8%	5%
13	89	7%	-2%
14	86	9%	-5%
15	88	4%	-7%
16	85	2%	-11%



BEAM DETAILS



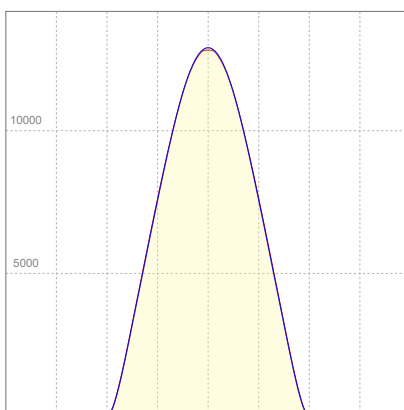
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102,2°	155,9°	169,4°	81,1%	56,8%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	12843lx	3211lx	1427lx	803lx	514lx	228lx	128lx	57lx	32lx	21lx	14lx	8lx	5lx
Footcand.	1193fcd	298fcd	133fcd	75fcd	48fcd	21fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	2,5m	5m	7,4m	9,9m	12,4m	18,6m	24,8m	37,2m	49,6m	62m	74,4m	99,1m	123,9m
Beam wid.	8,2ft	16,4ft	24,3ft	32,5ft	40,6ft	61ft	81,3ft	121,9ft	162,6ft	203,2ft	243,9ft	325,2ft	406,5ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	1,30A	293W	0,99	111lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



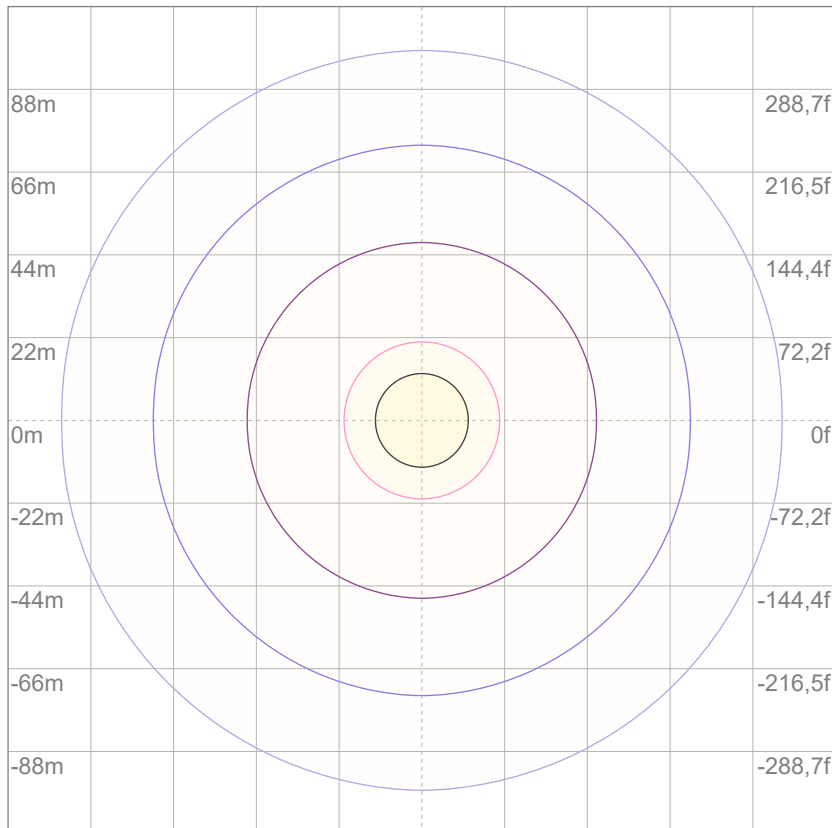
10%	1284 cd
20%	2569 cd
30%	3853 cd
40%	5137 cd
50%	6422 cd
60%	7706 cd
70%	8990 cd
80%	10275 cd

Conditions:

Number of c-planes: 4

Candela at center: 12843 cd

ISO LUX DIAGRAM



3%	3,85 lx
5%	6,42 lx
10%	12,8 lx
30%	38,5 lx
50%	64,2 lx

Conditions:

Number of c-planes: 4

Lux at center: 128 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

32544 lm

Peak candela output:

12802 cd

Light quality:

CRI: 83,6

Color temperature:

5636 K

PRODUCT NAME:
ECLPANELIP SOFT 1X1

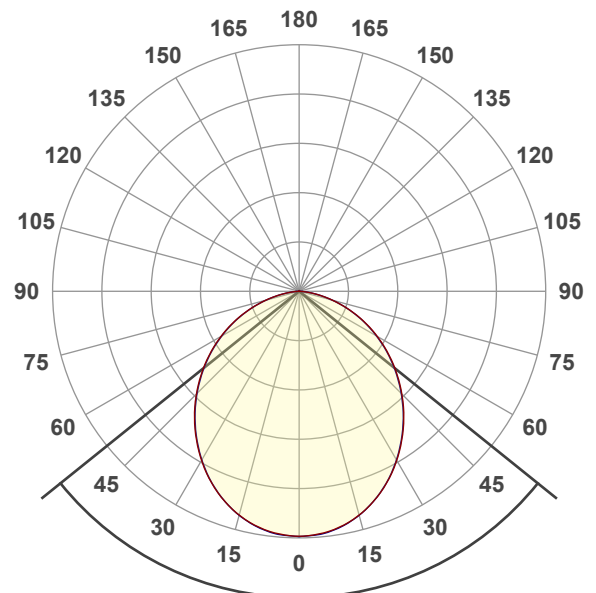
MEASURAMENT CONDITIONS:

Beam angle:
MD Filter

Target:
5600K - HB

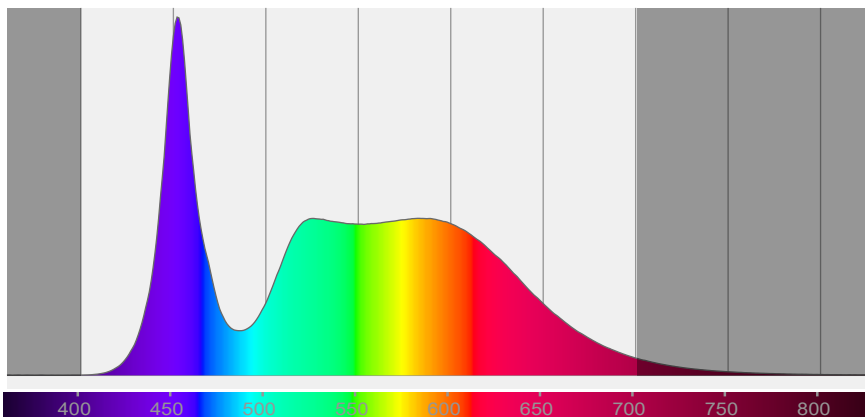
Operator:
Salvatore Giglio

Date and time:
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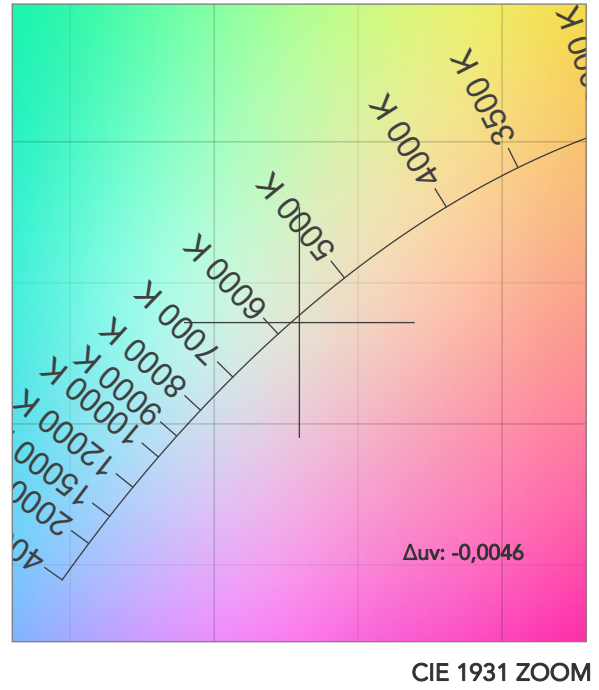
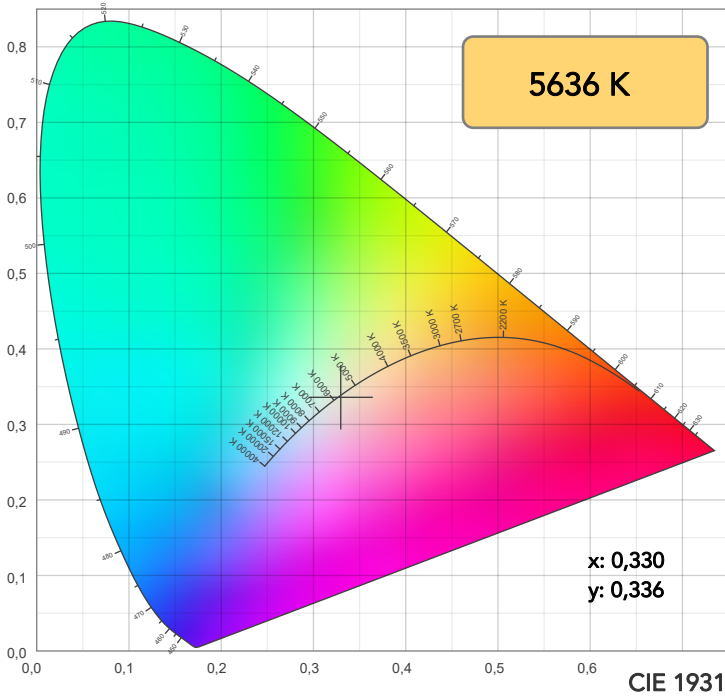


Beam angle 50%: 102,4°
Field angle 10%: 156°
Cut off angle 2.5%: 169,4°

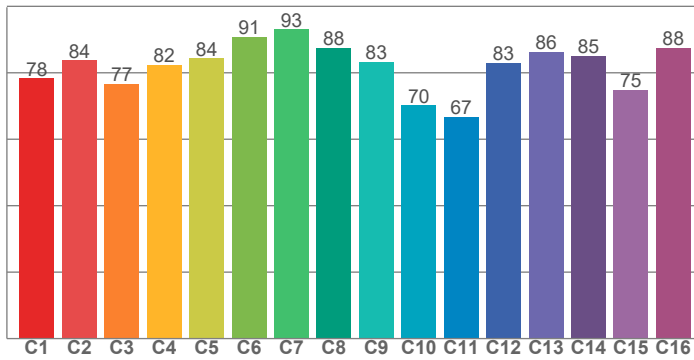
Spectra



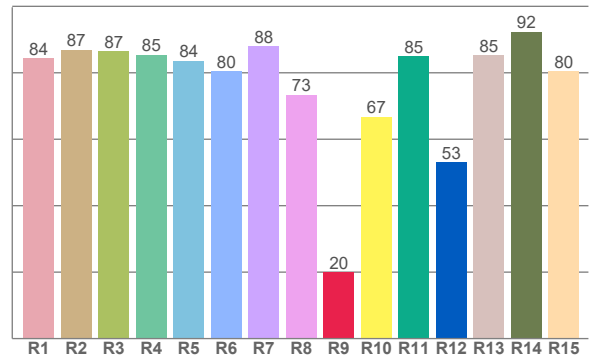
COLOR DETAILS



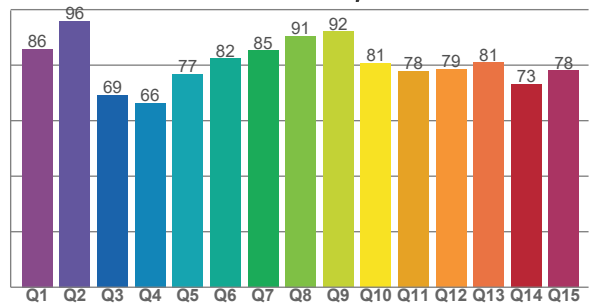
TM30: 81,5



CRI: 83,6 (R1-R8)



CQS: 79,4



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
84,5	86,9	86,6	85,5	83,6	80,4	88,0	73,4	19,9	66,7	84,9	53,0	85,3	92,3	80,4

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
78,3	83,8	76,6	82,4	84,3	90,7	93,1	87,5	83,3	70,2	66,7	82,9	86,3	85,1	74,8	87,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
85,9	96,0	69,2	66,3	76,8	82,3	85,3	90,6	92,1	80,7	78,0	78,7	81,0	73,2	78,1

COLOR PARAMETERS

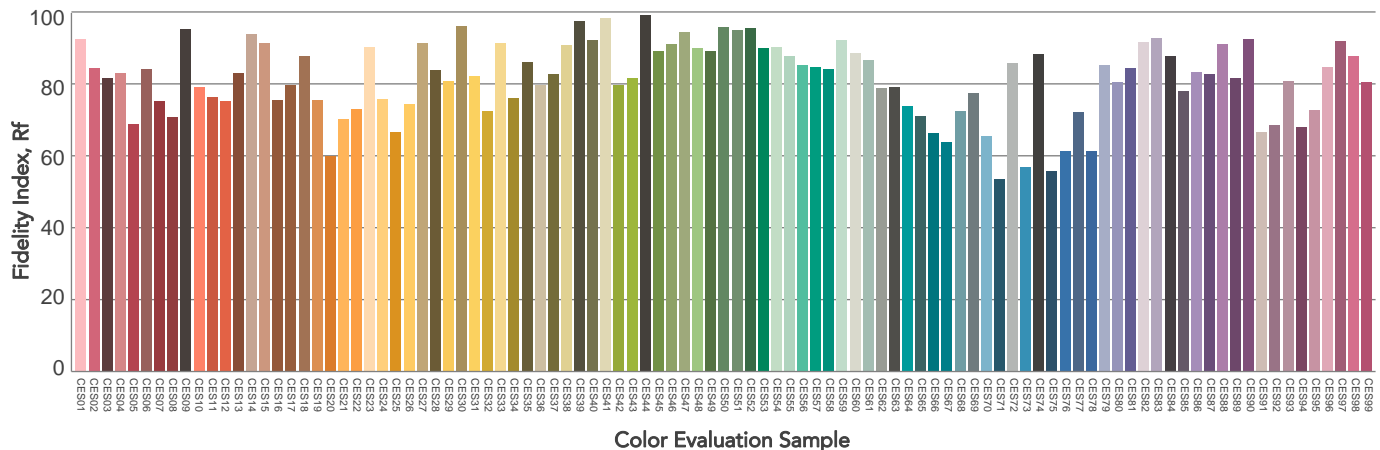
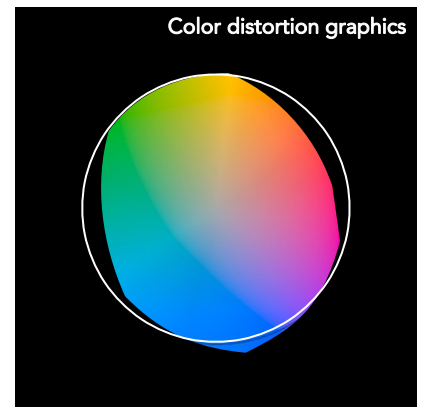
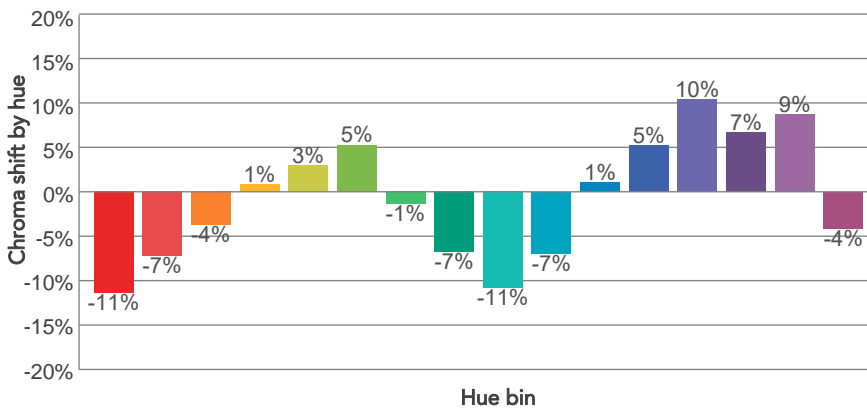
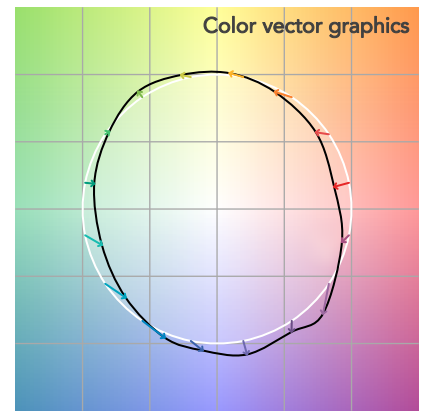
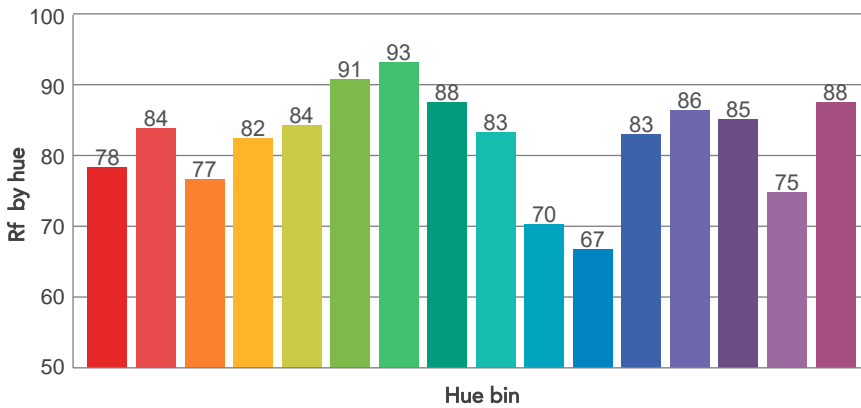
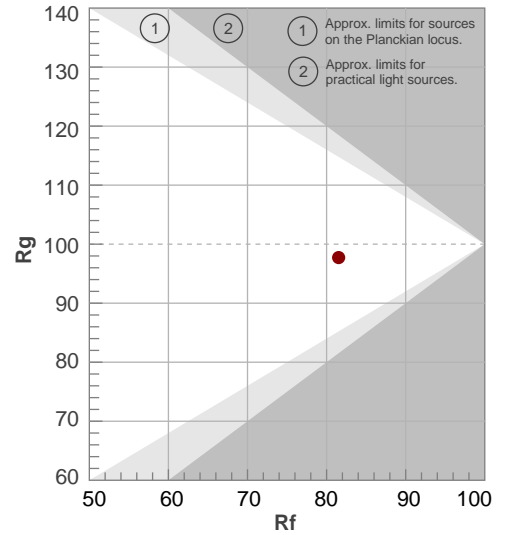
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5636 K	83,6	19,9	81,5	97,7	79,4	73	0,330	0,336	-0,0046

TM30 DETAILS

Rf 81,5
Fidelity index Rf

Rg 97,7
Gammut index

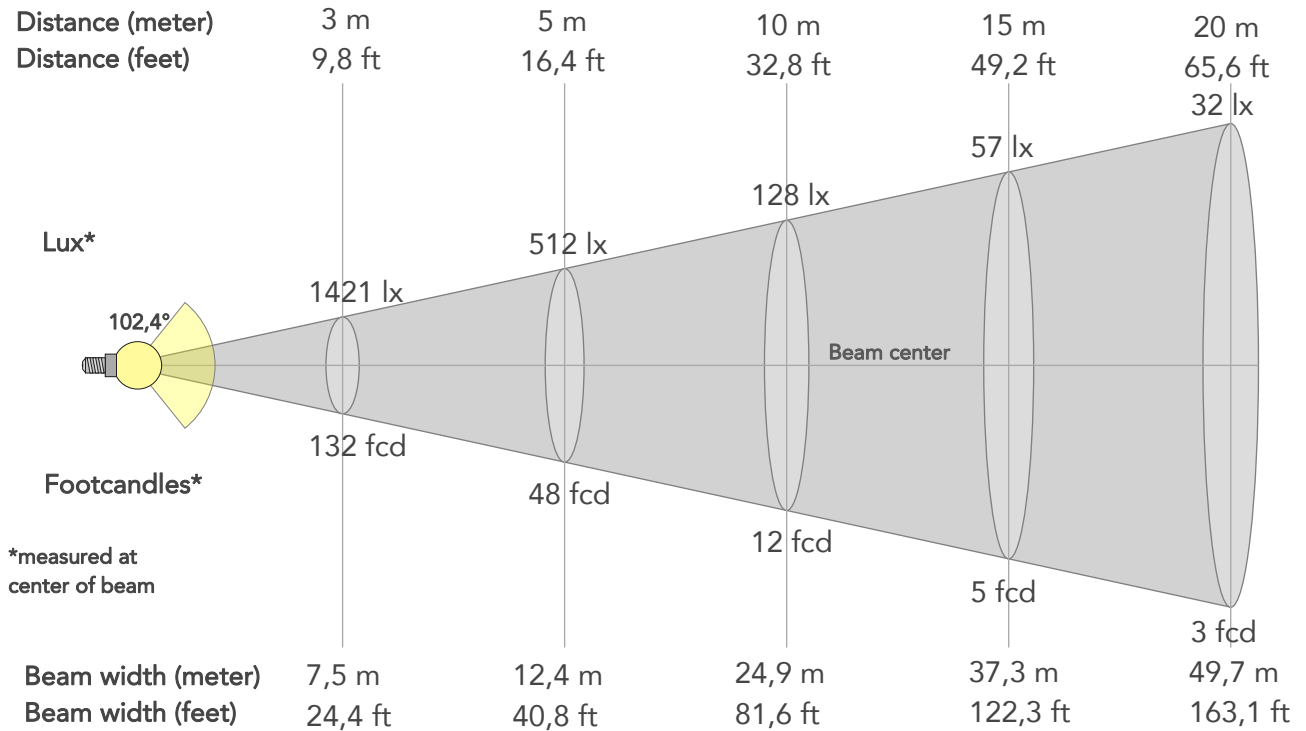
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-11%	-1%
2	84	-7%	7%
3	77	-4%	13%
4	82	1%	11%
5	84	3%	7%
6	91	5%	0%
7	93	-1%	-3%
8	88	-7%	-1%
9	83	-11%	10%
10	70	-7%	17%
11	67	1%	21%
12	83	5%	10%
13	86	10%	1%
14	85	7%	-5%
15	75	9%	-21%
16	88	-4%	-6%



BEAM DETAILS



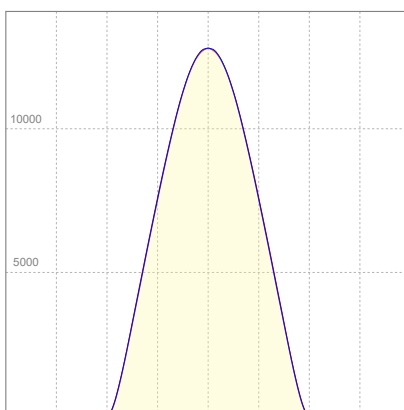
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102,4°	156°	169,4°	81,1%	56,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	12790lx	3197lx	1421lx	799lx	512lx	227lx	128lx	57lx	32lx	20lx	14lx	8lx	5lx
Footcand.	1188fcd	297fcd	132fcd	74fcd	48fcd	21fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	2,5m	5m	7,5m	9,9m	12,4m	18,6m	24,9m	37,3m	49,7m	62,2m	74,6m	99,5m	124,3m
Beam wid.	8,2ft	16,4ft	24,4ft	32,6ft	40,8ft	61,2ft	81,6ft	122,3ft	163,1ft	203,9ft	244,7ft	326,2ft	407,8ft

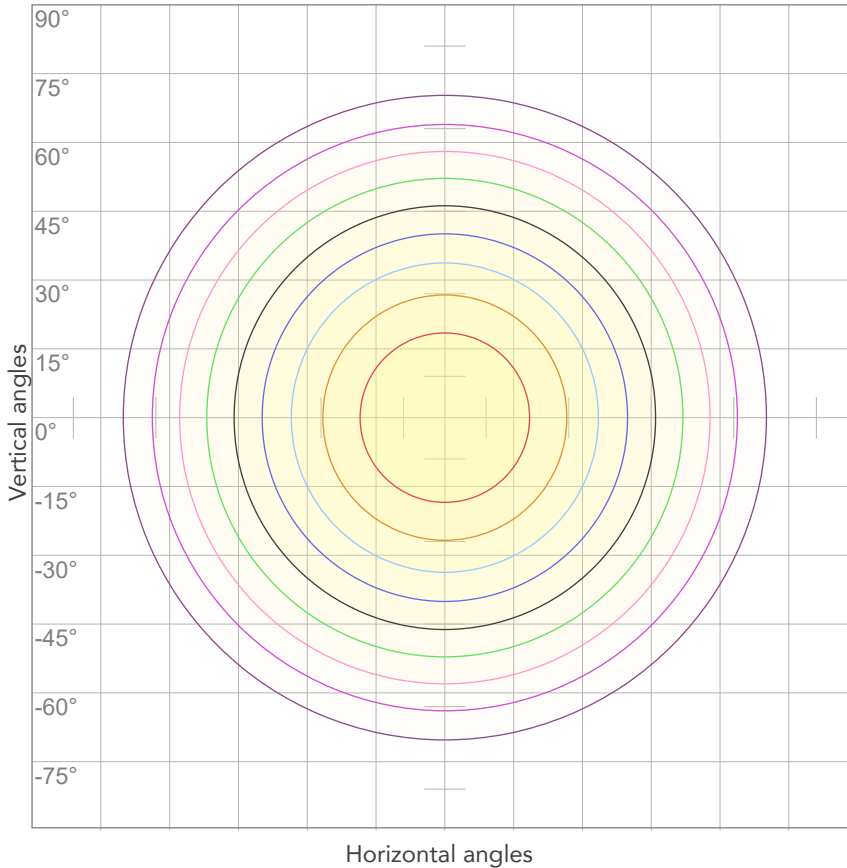
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	1,34A	300W	0,99	108lm/W

ISO CANDELA DIAGRAM



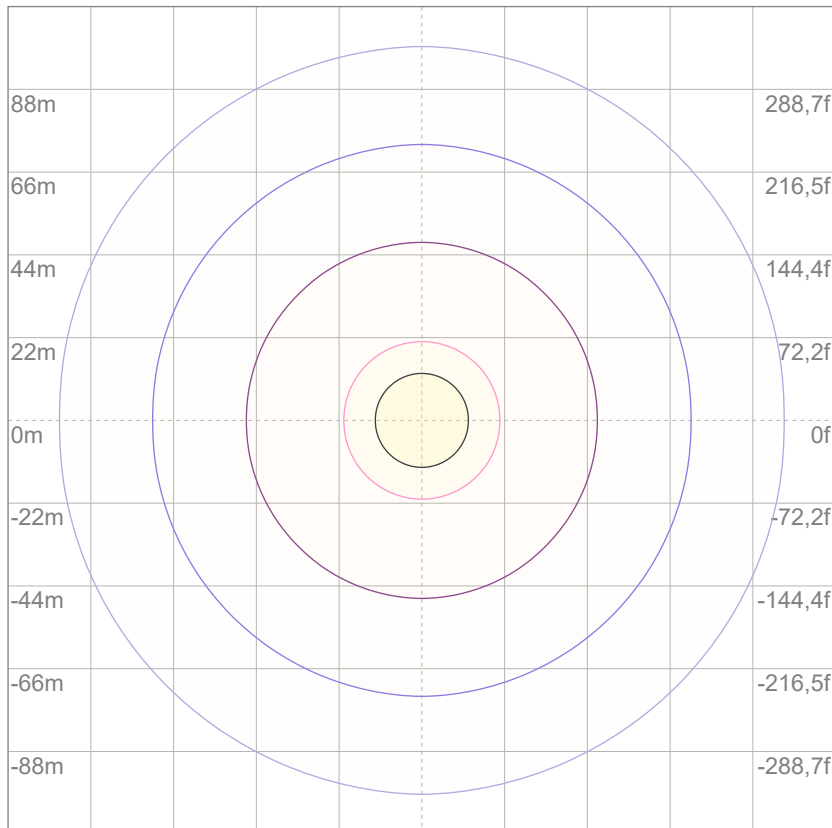
10%	1279 cd
20%	2558 cd
30%	3837 cd
40%	5116 cd
50%	6395 cd
60%	7674 cd
70%	8953 cd
80%	10232 cd

Conditions:

Number of c-planes: 4

Candela at center: 12790 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	3,84 lx
5%	6,39 lx
10%	12,8 lx
30%	38,4 lx
50%	63,9 lx

Conditions:

Number of c-planes: 4

Lux at center: 128 lx

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



Total lumen output:

28471 lm

Peak candela output:

11182 cd

Light quality:

CRI: 95,6

Color temperature:

3258 K

PRODUCT NAME:
ECLPANELIP SOFT 1X1

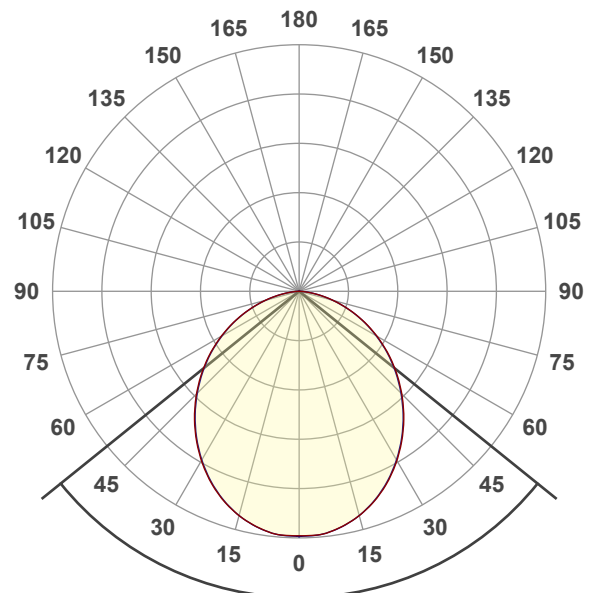
MEASURAMENT CONDITIONS:

Beam angle:
MD Filter

Target:
3200K - HQ

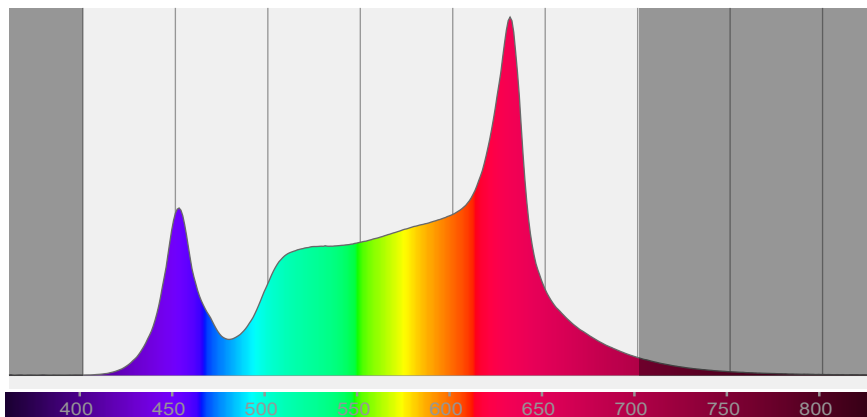
Operator:
Salvatore Giglio

Date and time:
09/08/2024 14:59:58

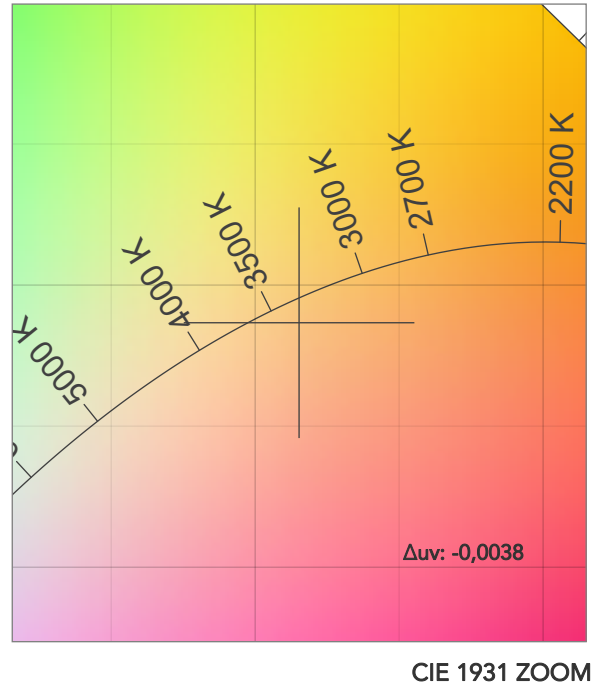
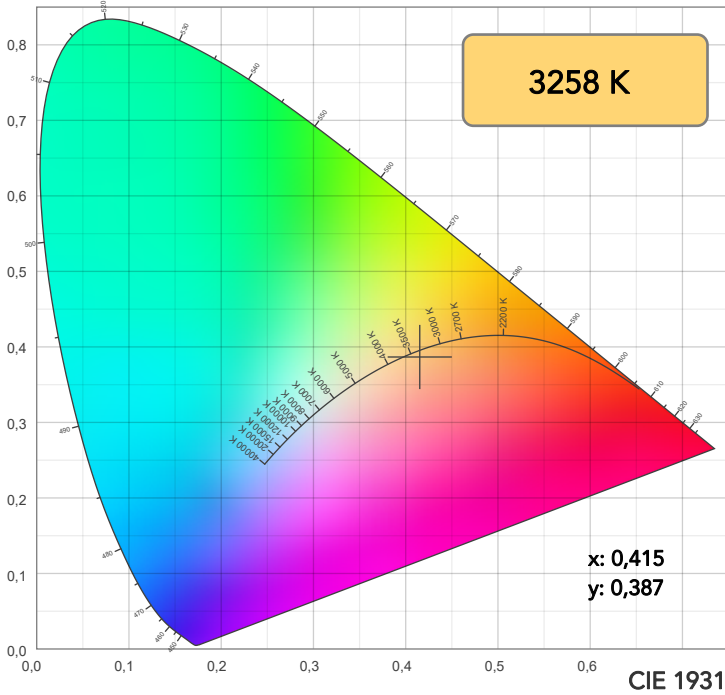


Beam angle 50%: 102,2°
Field angle 10%: 156,3°
Cut off angle 2.5%: 170°

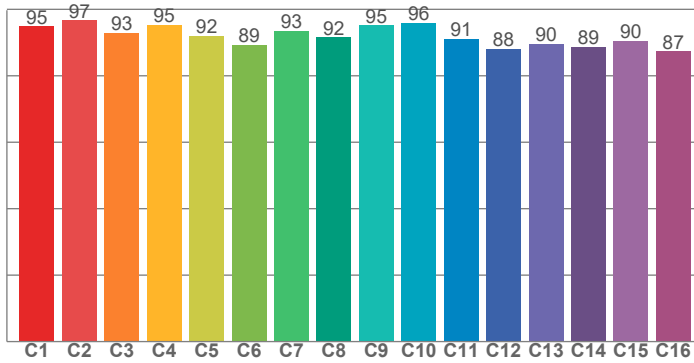
Spectra



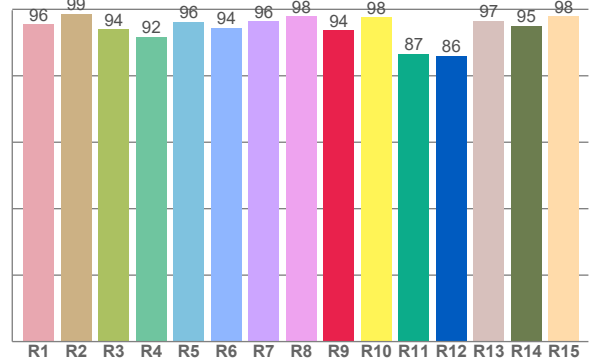
COLOR DETAILS



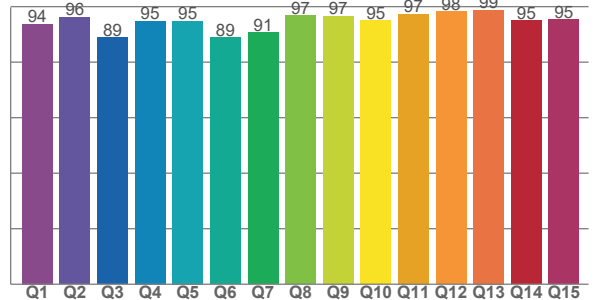
TM30: 92,5



CRI: 95,6 (R1-R8)



CQS: 93,8



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,6	98,7	94,0	91,7	96,3	94,5	96,4	98,0	93,8	97,5	86,6	86,0	96,5	95,1	97,9

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,9	96,7	92,9	95,3	92,1	89,3	93,5	91,5	95,1	95,9	91,1	88,2	89,5	88,8	90,4	87,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,7	96,1	88,9	94,9	94,9	88,8	90,7	96,8	96,6	94,9	97,4	98,3	98,7	95,0	95,4

COLOR PARAMETERS

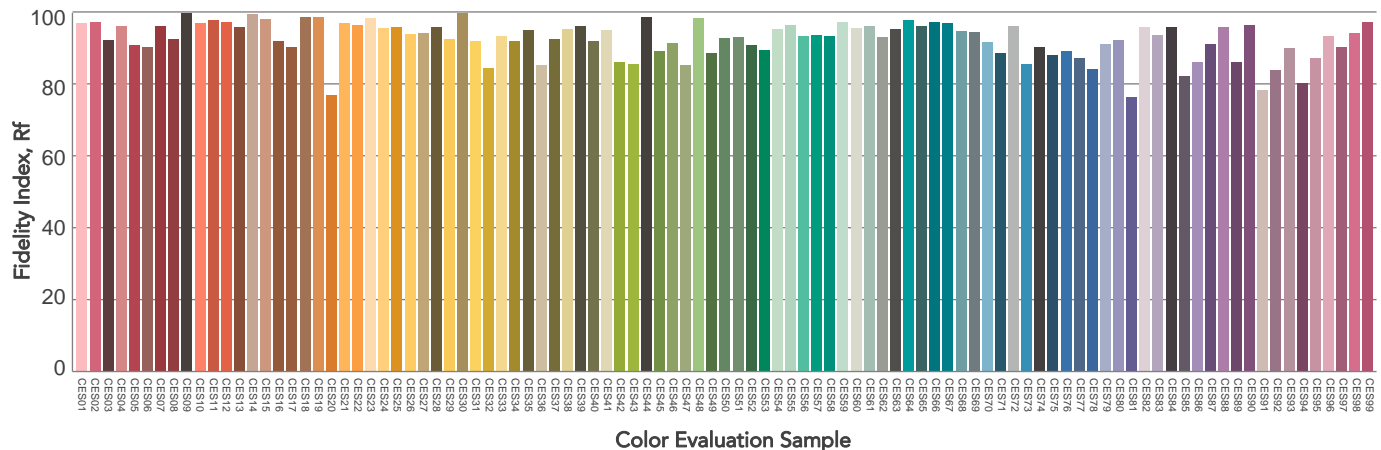
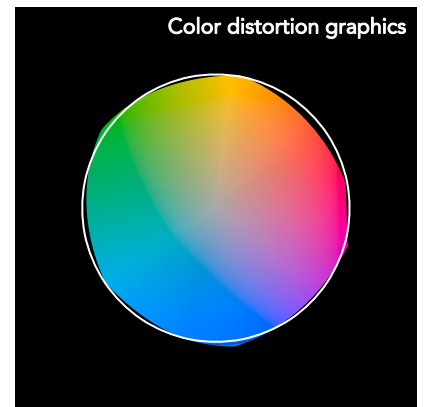
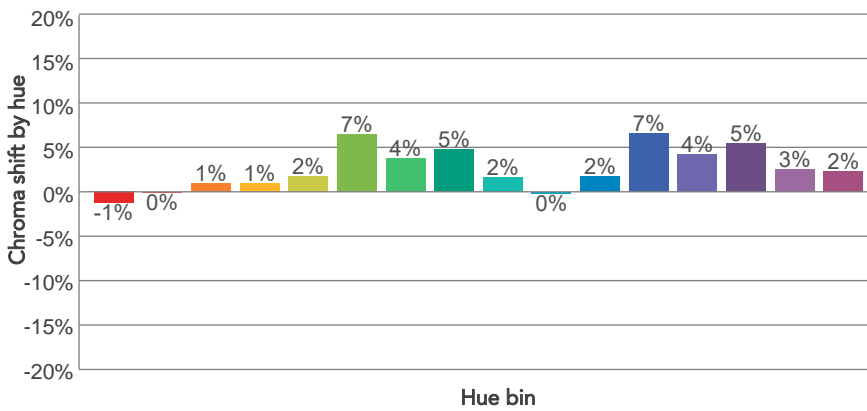
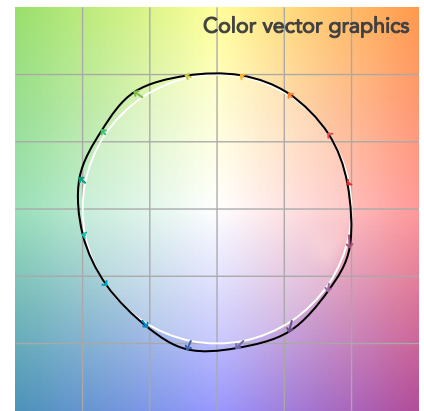
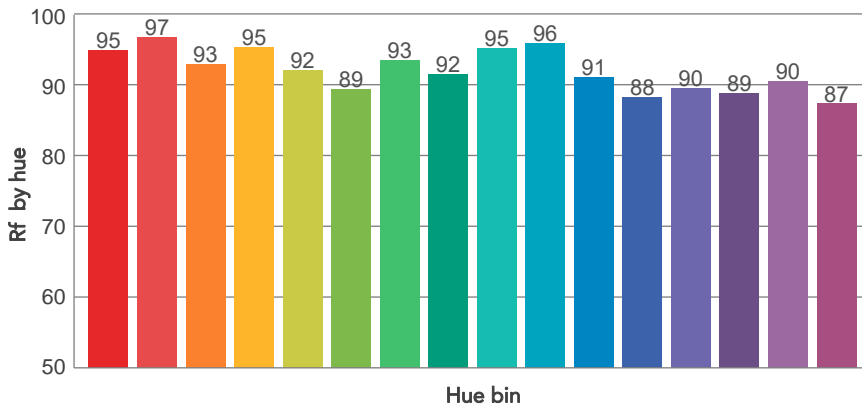
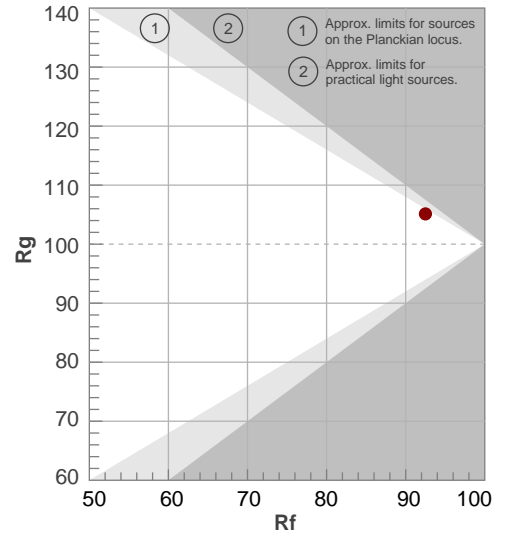
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3258 K	95,6	93,8	92,5	105,1	93,8	85	0,415	0,387	-0,0038

TM30 DETAILS

Rf 92,5
Fidelity index Rf

Rg 105,1
Gammut index

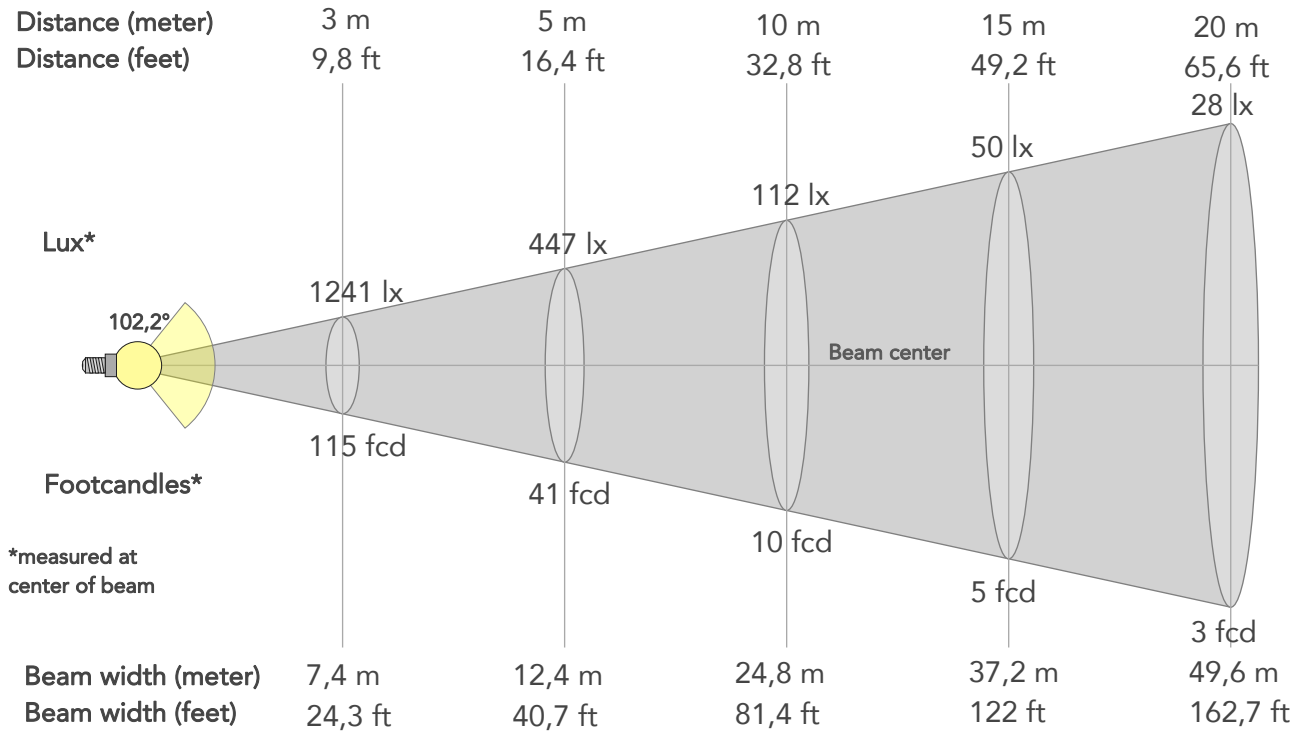
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-1%
2	97	0%	1%
3	93	1%	3%
4	95	1%	2%
5	92	2%	4%
6	89	7%	3%
7	93	4%	-1%
8	92	5%	-3%
9	95	2%	-1%
10	96	0%	1%
11	91	2%	5%
12	88	7%	-1%
13	90	4%	-6%
14	89	5%	-6%
15	90	3%	-5%
16	87	2%	-9%



BEAM DETAILS



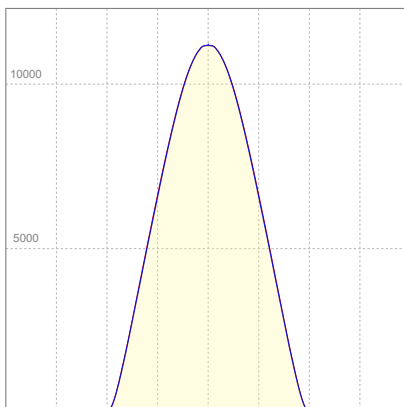
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102,2°	156,3°	170°	80,9%	56,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	11167lx	2792lx	1241lx	698lx	447lx	199lx	112lx	50lx	28lx	18lx	12lx	7lx	4lx
Footcand.	1037fcd	259fcd	115fcd	65fcd	41fcd	18fcd	10fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	2,5m	5m	7,4m	9,9m	12,4m	18,6m	24,8m	37,2m	49,6m	62m	74,4m	99,2m	124m
Beam wid.	8,2ft	16,4ft	24,3ft	32,5ft	40,7ft	61ft	81,4ft	122ft	162,7ft	203,4ft	244,1ft	325,5ft	406,8ft

LINEAR DISTRIBUTION DIAGRAM

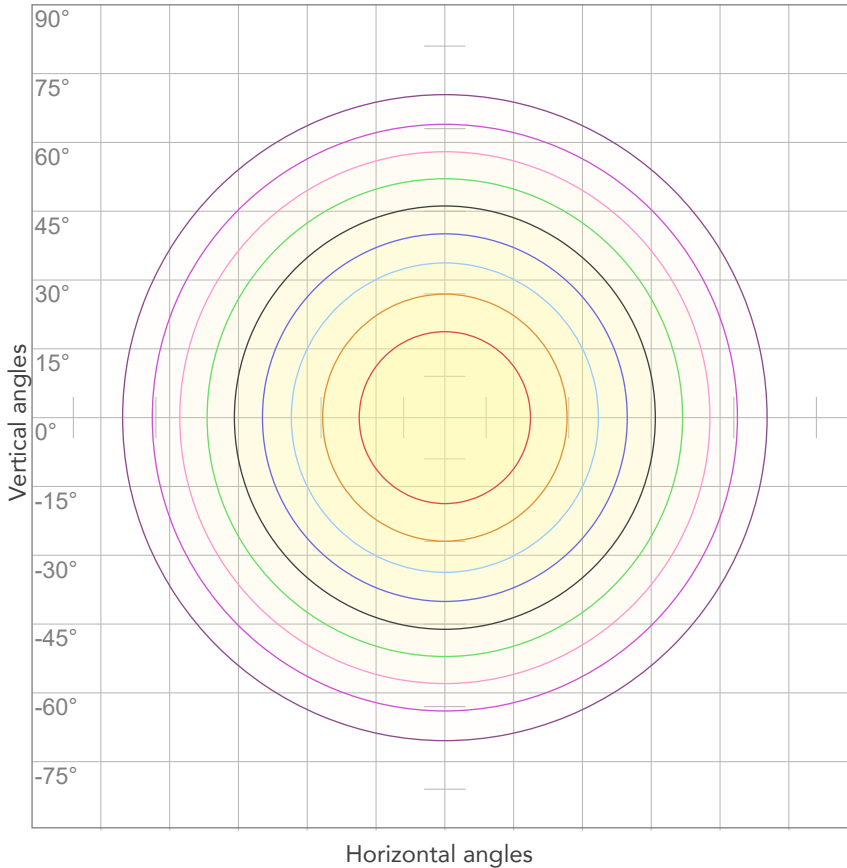


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	1,21A	271W	0,99	105lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



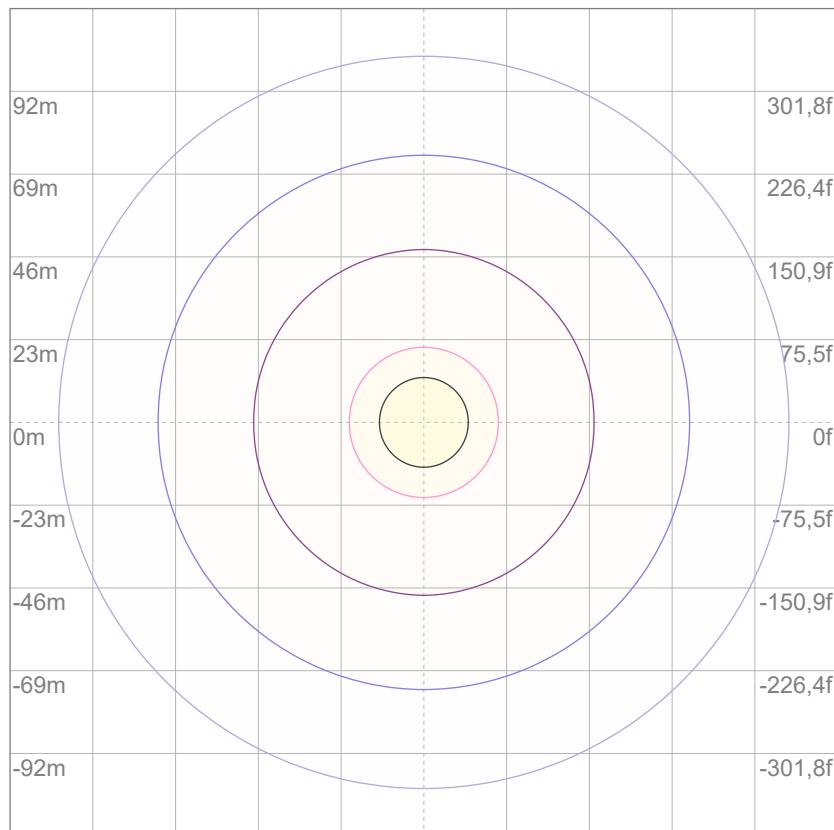
10%	1117 cd
20%	2233 cd
30%	3350 cd
40%	4467 cd
50%	5583 cd
60%	6700 cd
70%	7817 cd
80%	8933 cd

Conditions:

Number of c-planes: 4

Candela at center: 11167 cd

ISO LUX DIAGRAM



3%	3,35 lx
5%	5,58 lx
10%	11,2 lx
30%	33,5 lx
50%	55,8 lx

Conditions:

Number of c-planes: 4

Lux at center: 112 lx

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



Total lumen output:

27321 lm

Peak candela output:

10715 cd

Light quality:

CRI: 96,0

Color temperature:

5642 K

PRODUCT NAME:
ECLPANELIP SOFT 1X1

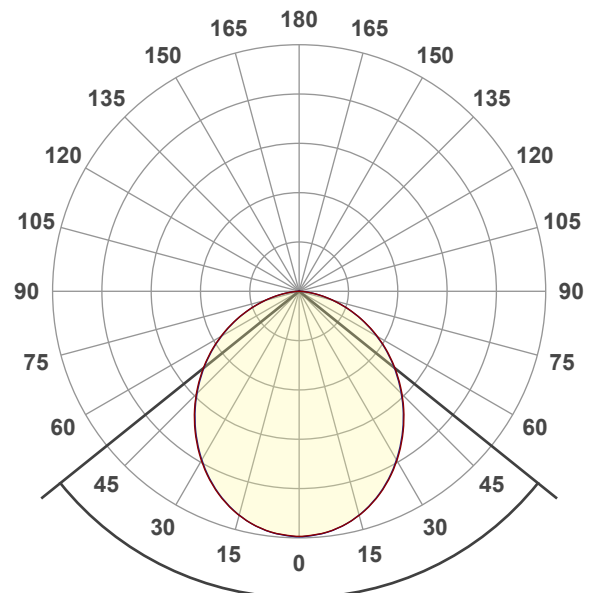
MEASURAMENT CONDITIONS:

Beam angle:
MD Filter

Target:
5600K - HQ

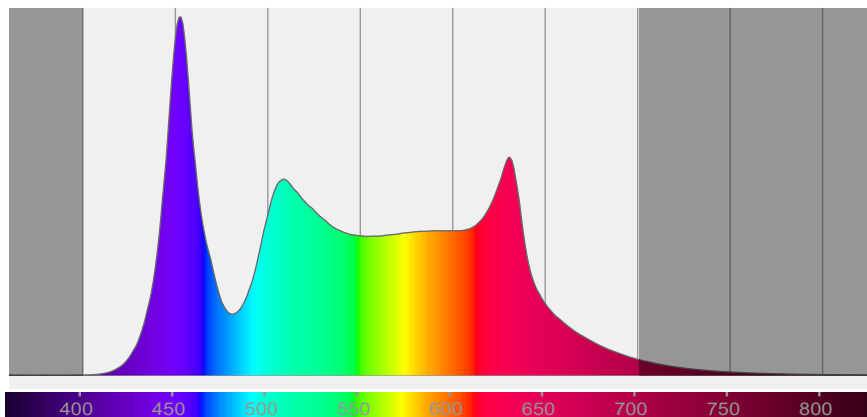
Operator:
Salvatore Giglio

Date and time:
09/08/2024 16:28:18

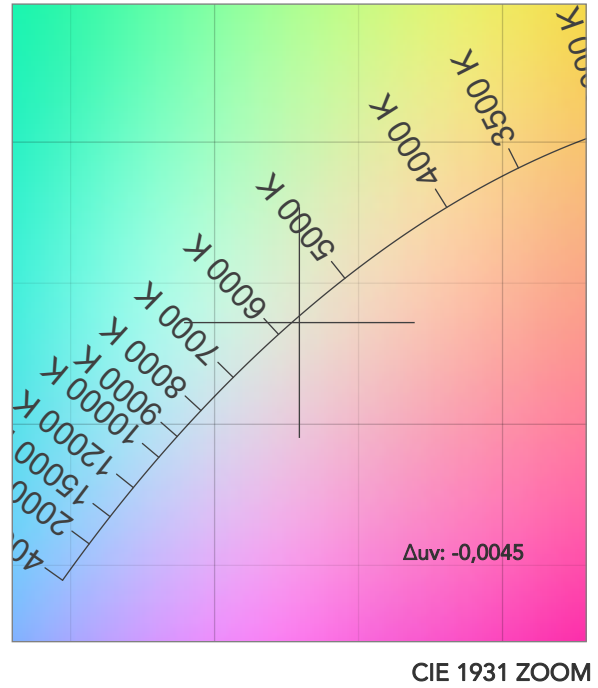
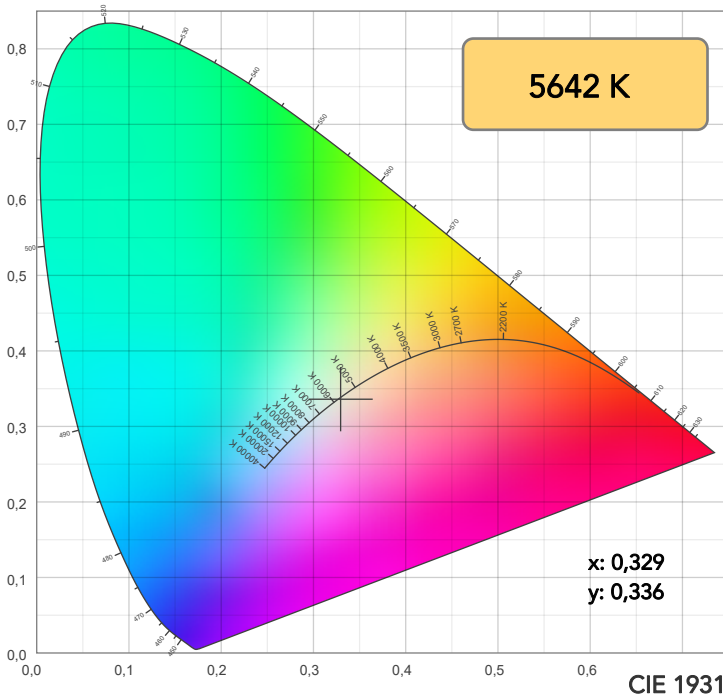


Beam angle 50%: 102,5°
Field angle 10%: 156,4°
Cut off angle 2.5%: 170°

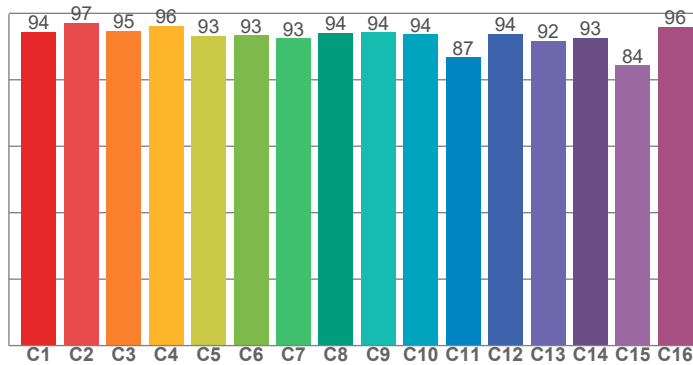
Spectra



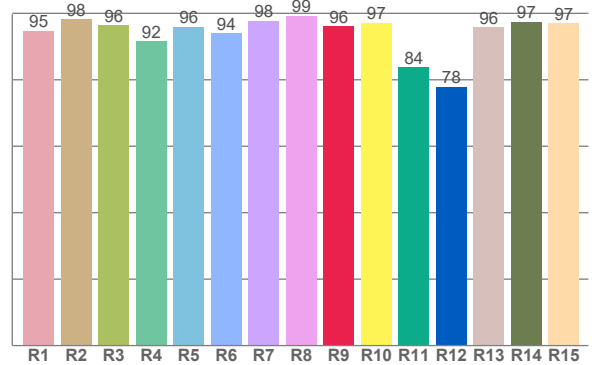
COLOR DETAILS



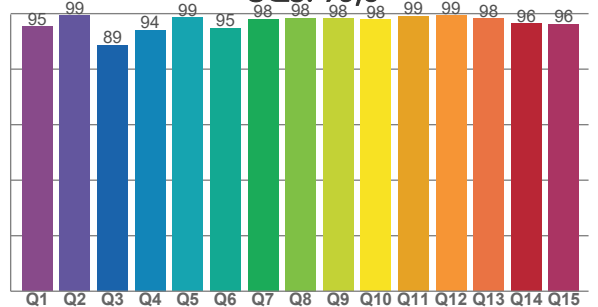
TM30: 92,9



CRI: 96,0 (R1-R8)



CQS: 95,8



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,8	98,2	96,3	91,5	96,0	94,1	97,8	99,3	96,0	97,2	83,7	77,9	95,7	97,4	97,0

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
94,4	97,1	94,8	96,2	93,2	93,3	92,5	94,1	94,3	93,6	86,8	93,9	91,7	92,6	84,4	95,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,3	99,3	88,6	94,2	98,5	94,8	98,0	98,5	98,2	97,9	99,2	99,3	98,2	96,5	96,3

COLOR PARAMETERS

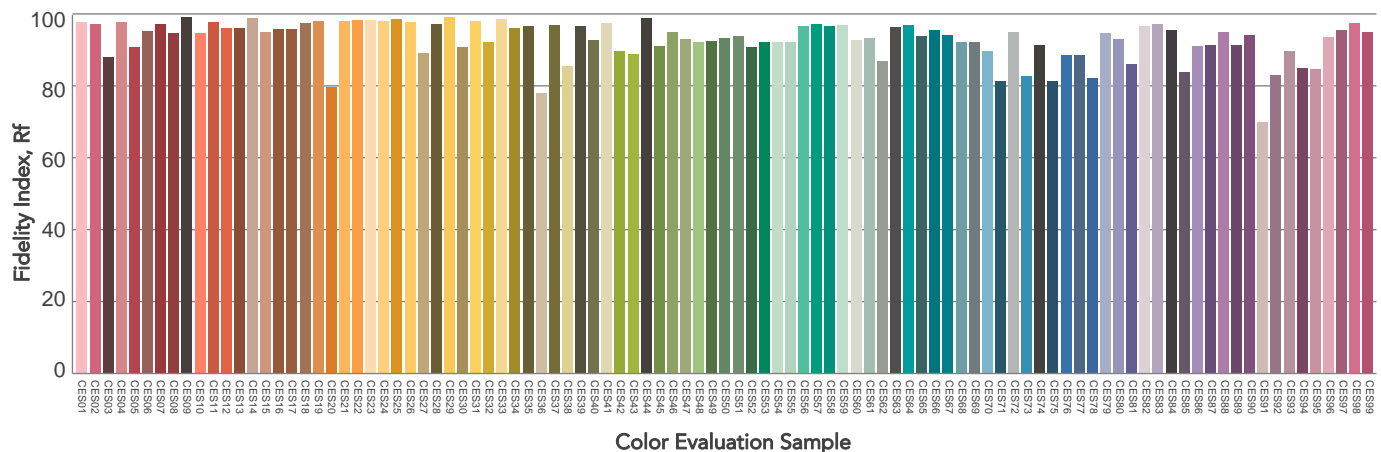
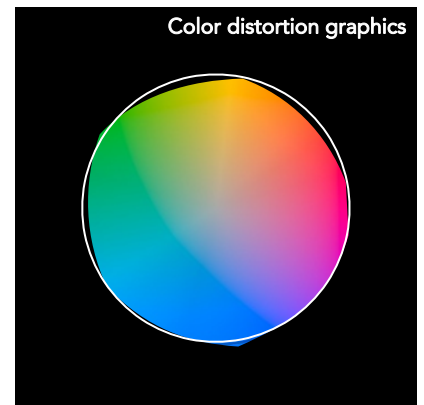
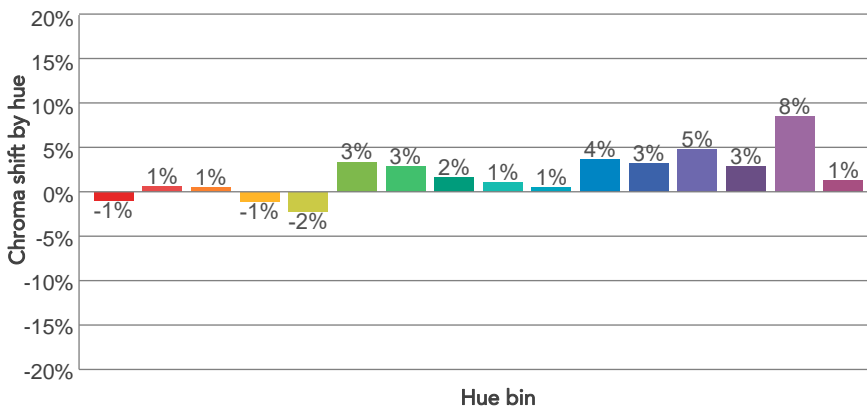
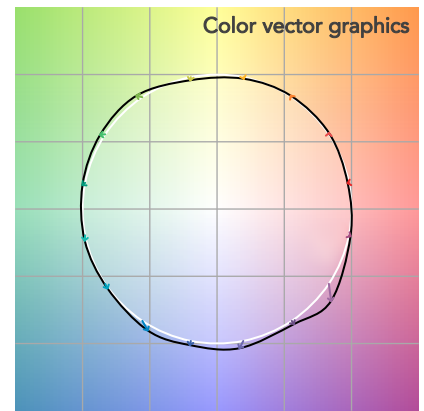
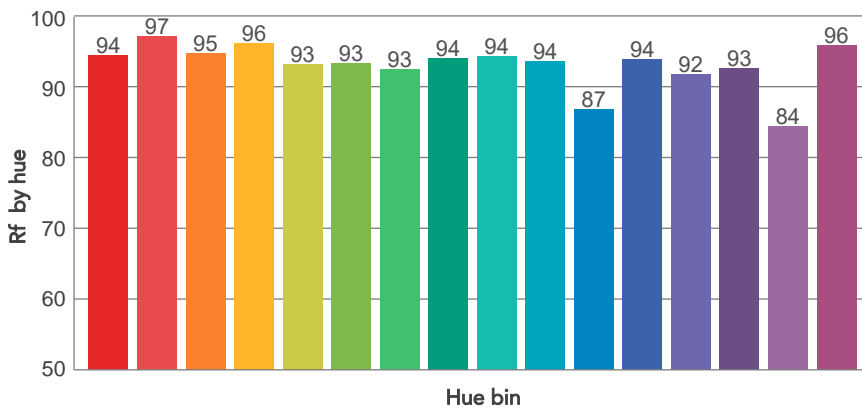
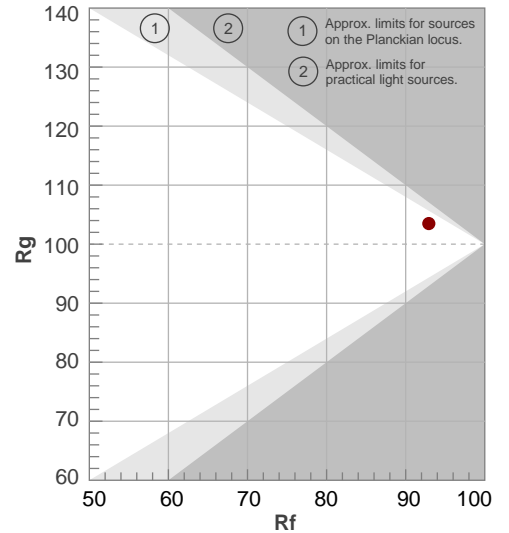
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5642 K	96,0	96,0	92,9	103,5	95,8	92	0,329	0,336	-0,0045

TM30 DETAILS

Rf 92,9
Fidelity index Rf

Rg 103,5
Gammut index

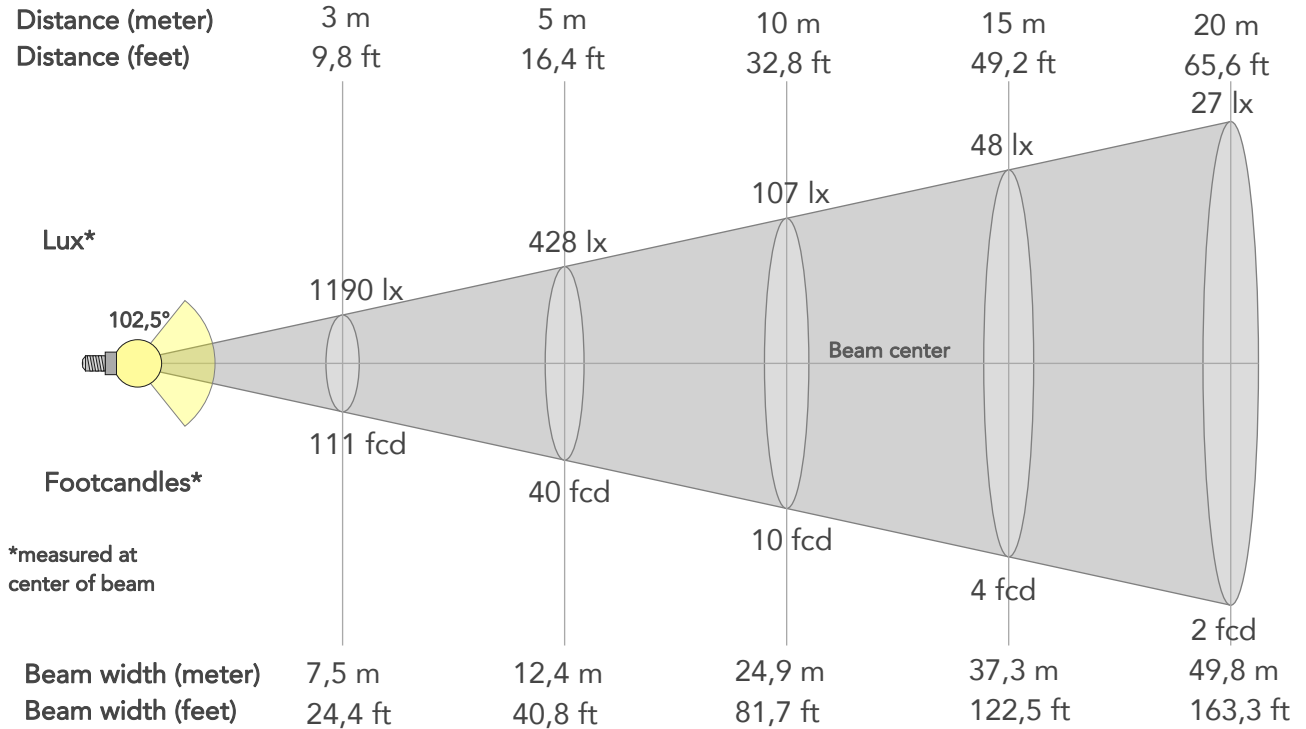
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-1%	0%
2	97	1%	1%
3	95	1%	1%
4	96	-1%	-1%
5	93	-2%	1%
6	93	3%	3%
7	93	3%	2%
8	94	2%	2%
9	94	1%	4%
10	94	1%	4%
11	87	4%	7%
12	94	3%	0%
13	92	5%	-4%
14	93	3%	0%
15	84	8%	-10%
16	96	1%	0%



BEAM DETAILS



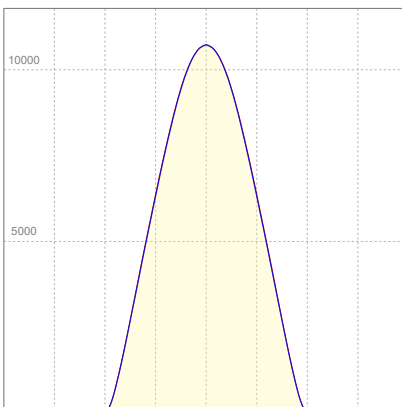
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102,5°	156,4°	170°	80,9%	56,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	10708lx	2677lx	1190lx	669lx	428lx	190lx	107lx	48lx	27lx	17lx	12lx	7lx	4lx
Footcand.	995fcd	249fcd	111fcd	62fcd	40fcd	18fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	2,5m	5m	7,5m	10m	12,4m	18,7m	24,9m	37,3m	49,8m	62,2m	74,7m	99,6m	124,5m
Beam wid.	8,2ft	16,4ft	24,4ft	32,6ft	40,8ft	61,2ft	81,7ft	122,5ft	163,3ft	204,2ft	245ft	326,7ft	408,3ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	1,30A	291W	0,99	94lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



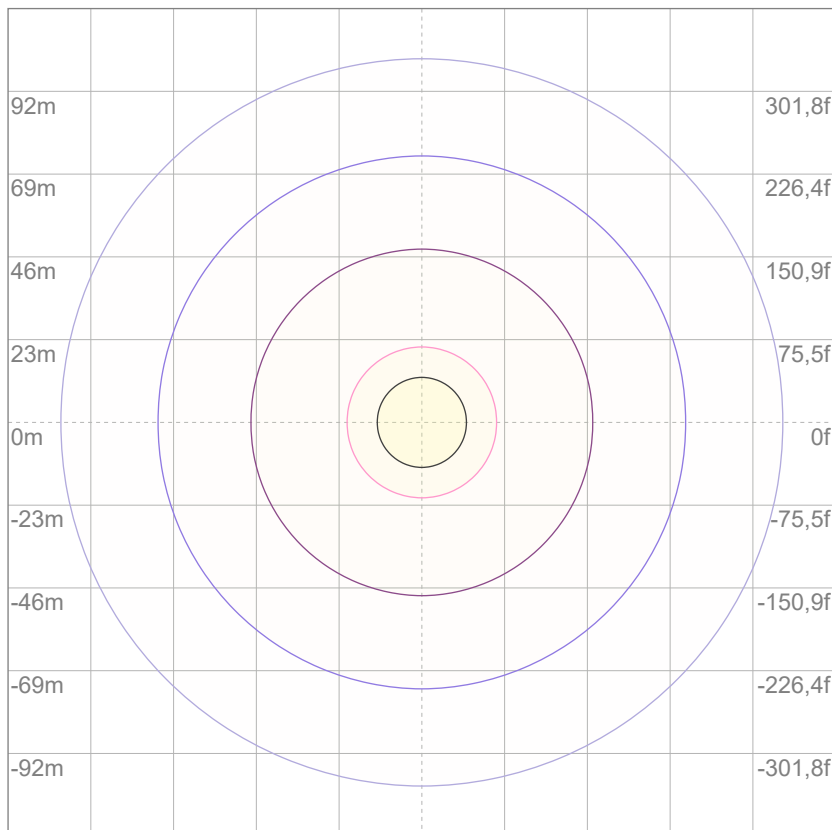
10%	1071 cd
20%	2142 cd
30%	3212 cd
40%	4283 cd
50%	5354 cd
60%	6425 cd
70%	7496 cd
80%	8566 cd

Conditions:

Number of c-planes: 4

Candela at center: 10708 cd

ISO LUX DIAGRAM



3%	3,21 lx
5%	5,35 lx
10%	10,7 lx
30%	32,1 lx
50%	53,5 lx

Conditions:

Number of c-planes: 4

Lux at center: 107 lx

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



Total lumen output:

27598 lm

Peak candela output:

9815 cd

Light quality:

CRI: 95,0

Color temperature:

3231 K

PRODUCT NAME:
ECLPANELIP SOFT 1X1

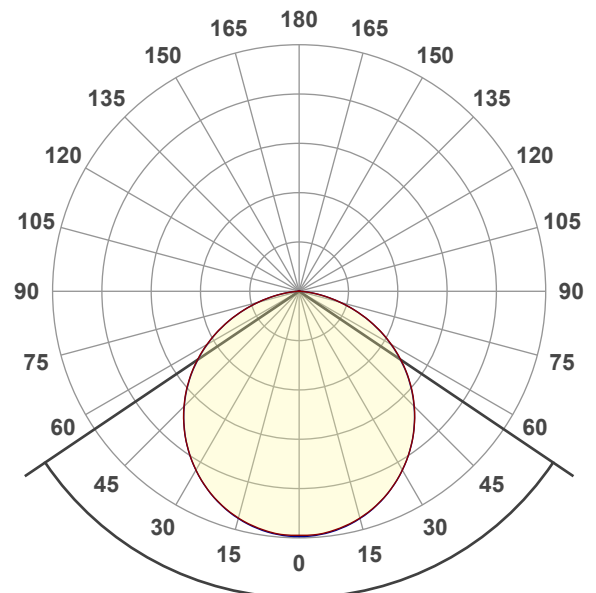
MEASURAMENT CONDITIONS:

Beam angle:
HD Filter

Target:
3200K - HB

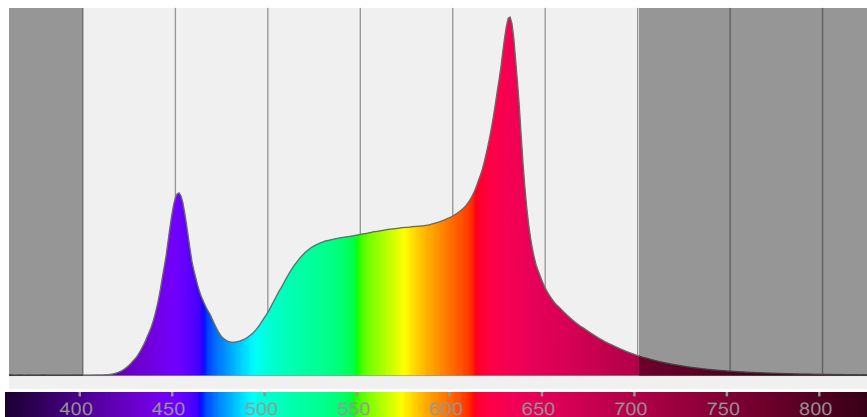
Operator:
Salvatore Giglio

Date and time:
05/09/2024 10:18:25

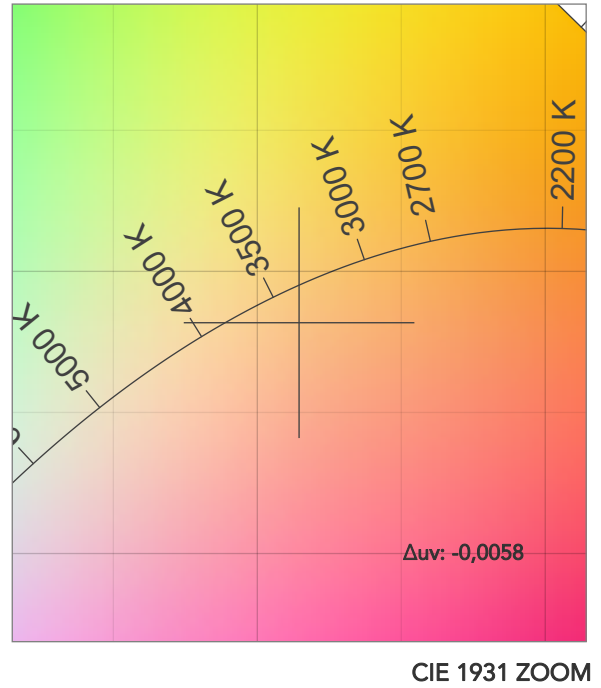
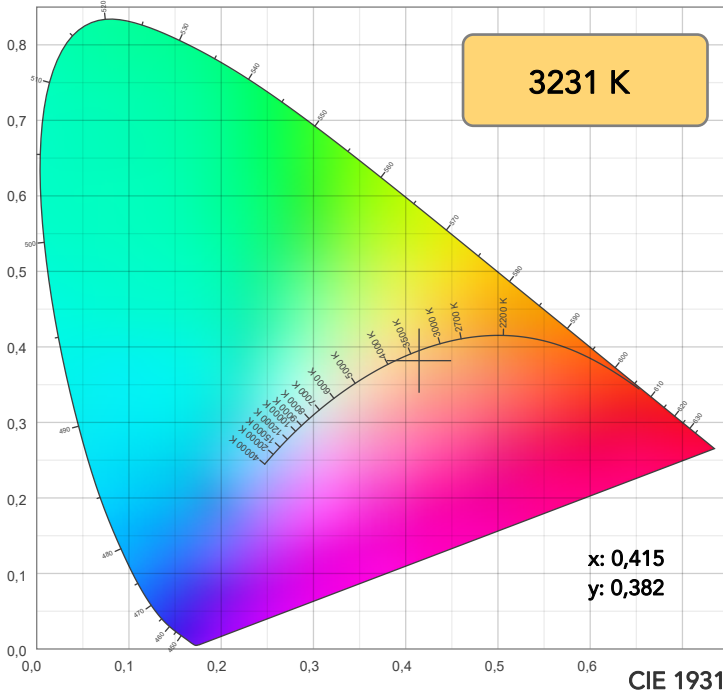


Beam angle 50%: 112°
Field angle 10%: 159°
Cut off angle 2.5%: 170,8°

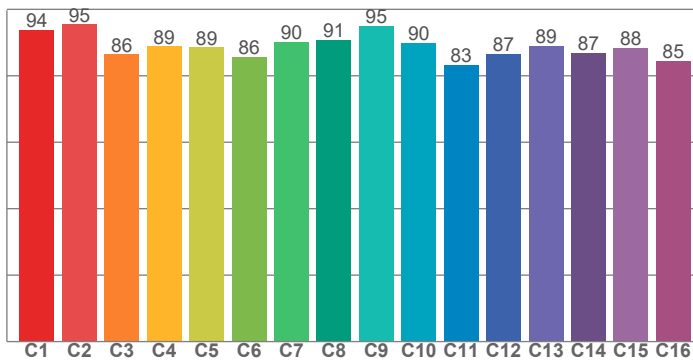
Spectra



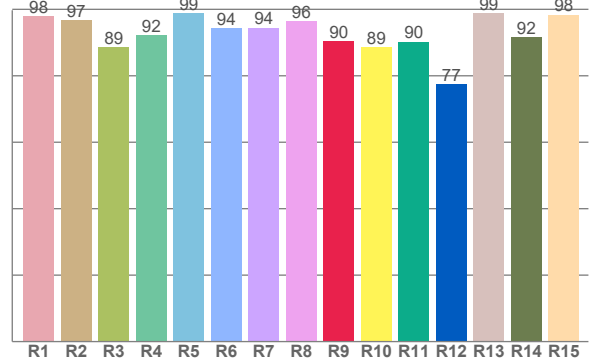
COLOR DETAILS



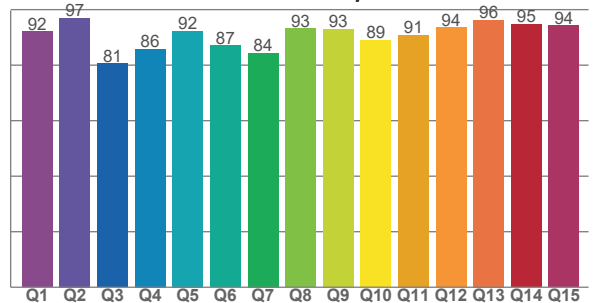
TM30: 89,3



CRI: 95,0 (R1-R8)



CQS: 89,7



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
98,0	96,8	88,6	92,3	98,7	94,4	94,5	96,4	90,4	88,5	90,3	77,5	98,8	91,6	98,4

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,8	95,4	86,4	88,9	88,6	85,7	90,2	90,8	95,0	89,9	83,3	86,6	89,0	86,9	88,3	84,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,2	97,0	80,5	85,9	92,3	87,0	84,4	93,1	93,1	89,0	90,9	93,6	96,2	94,7	94,2

COLOR PARAMETERS

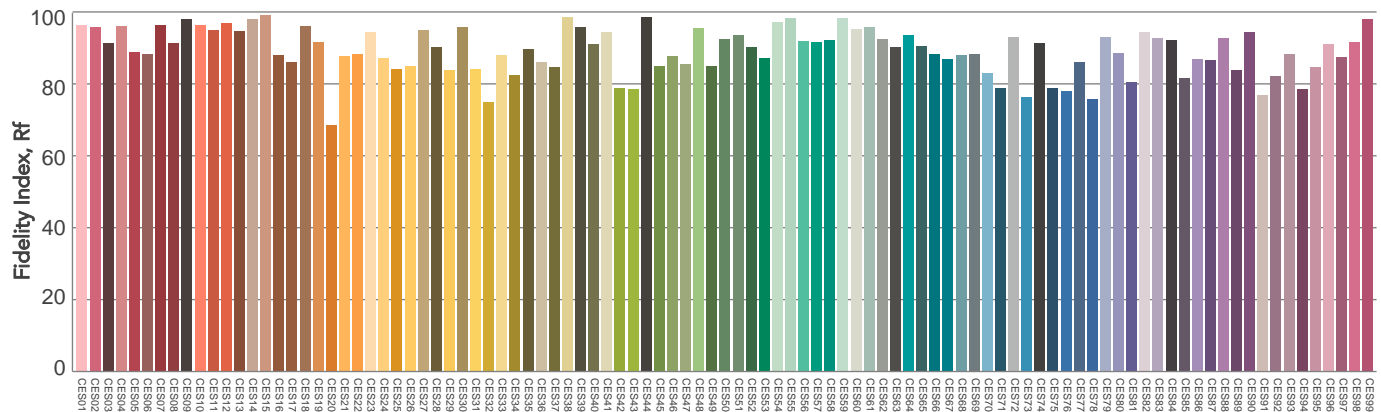
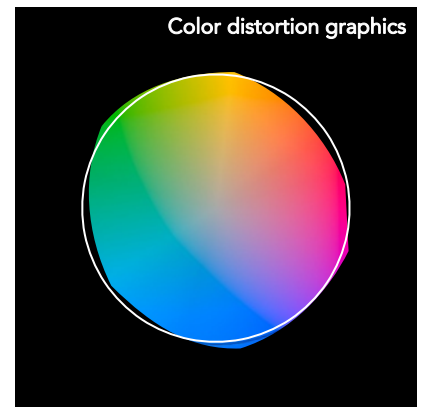
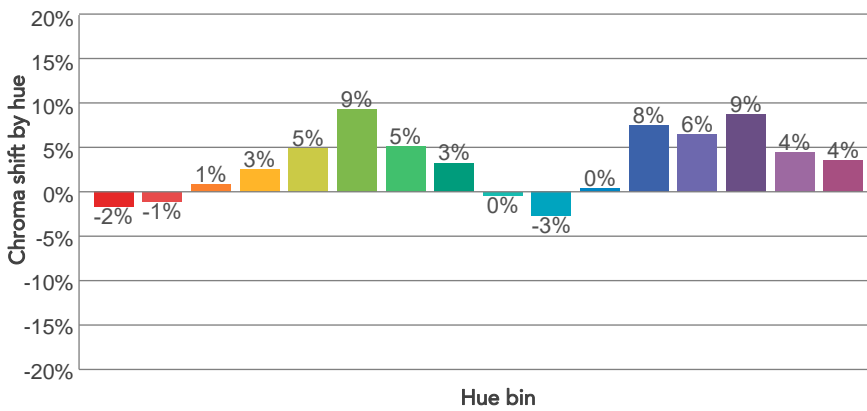
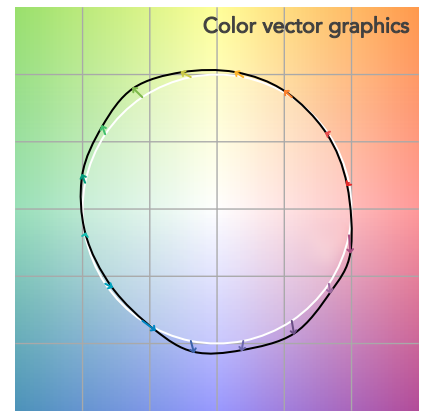
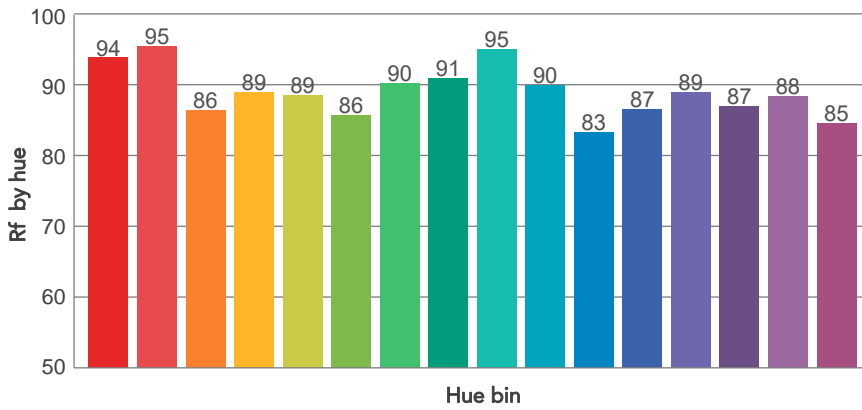
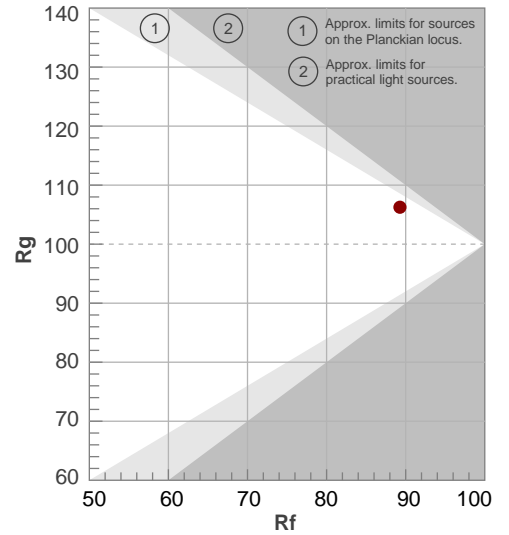
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3231 K	95,0	90,4	89,3	106,3	89,7	82	0,415	0,382	-0,0058

TM30 DETAILS

Rf 89,3
Fidelity index Rf

Rg 106,3
Gammut index

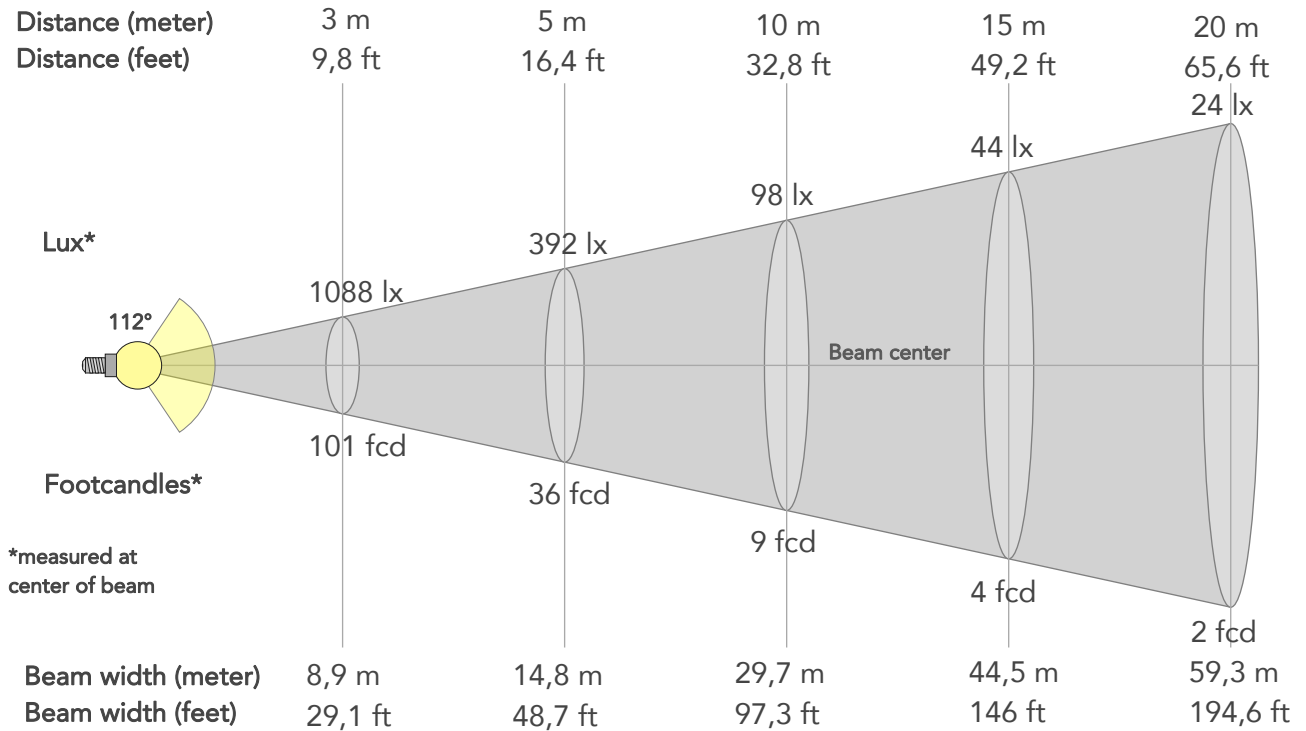
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-2%	-1%
2	95	-1%	2%
3	86	1%	7%
4	89	3%	6%
5	89	5%	6%
6	86	9%	2%
7	90	5%	-4%
8	91	3%	-5%
9	95	0%	-1%
10	90	-3%	5%
11	83	0%	11%
12	87	8%	4%
13	89	6%	-2%
14	87	9%	-4%
15	88	4%	-5%
16	85	4%	-12%



BEAM DETAILS



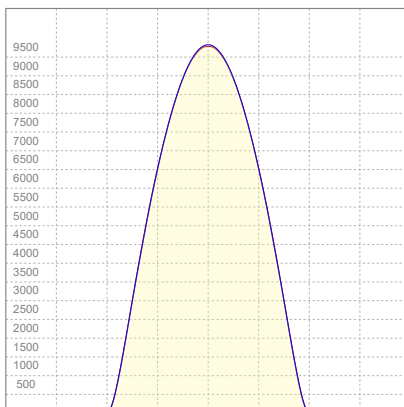
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
112°	159°	170,8°	79,7%	54,3%



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	9793lx	2448lx	1088lx	612lx	392lx	174lx	98lx	44lx	24lx	16lx	11lx	6lx	4lx
Footcand.	910fcd	227fcd	101fcd	57fcd	36fcd	16fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	3m	5,9m	8,9m	11,9m	14,8m	22,3m	29,7m	44,5m	59,3m	74,2m	89m	118,7m	148,3m
Beam wid.	9,8ft	19,6ft	29,1ft	38,9ft	48,7ft	73ft	97,3ft	146ft	194,6ft	243,3ft	291,9ft	389,2ft	486,6ft

LINEAR DISTRIBUTION DIAGRAM

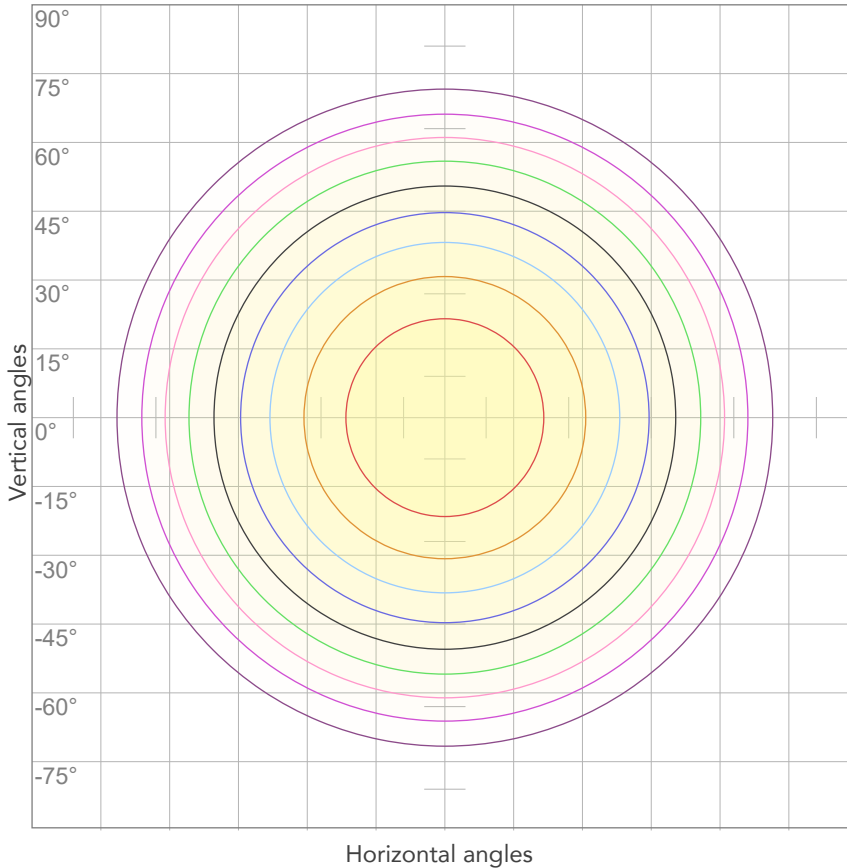


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	1,31A	294W	0,99	94lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



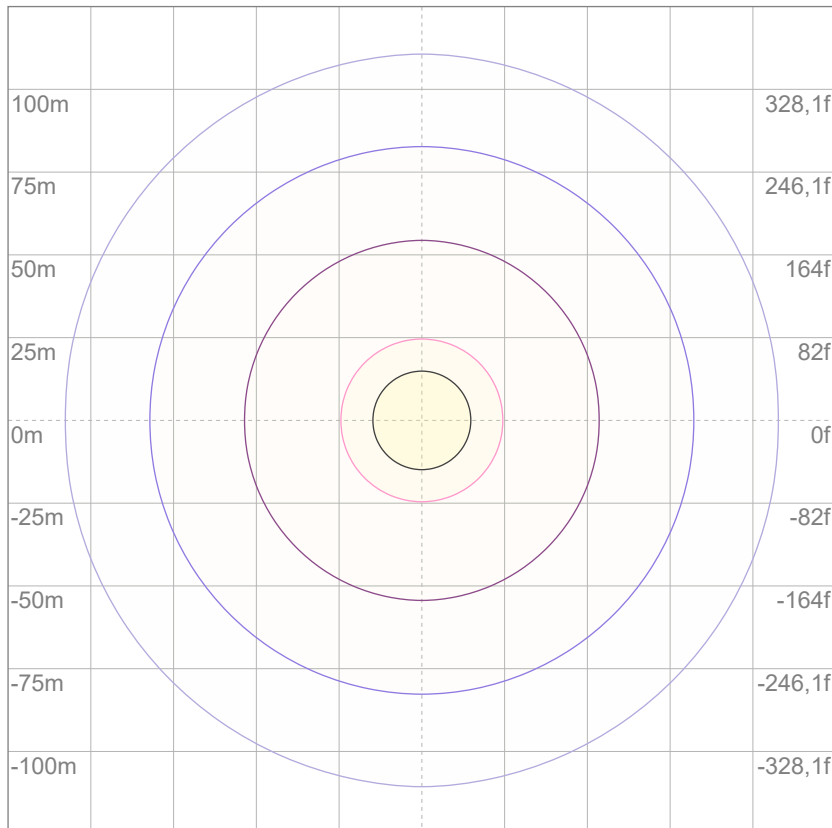
10%	979 cd
20%	1959 cd
30%	2938 cd
40%	3917 cd
50%	4896 cd
60%	5876 cd
70%	6855 cd
80%	7834 cd

Conditions:

Number of c-planes: 4

Candela at center: 9793 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	2,94 lx
5%	4,90 lx
10%	9,79 lx
30%	29,4 lx
50%	49,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 97,9 lx

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



Total lumen output:

27139 lm

Peak candela output:

9633 cd

Light quality:

CRI: 86,5

Color temperature:

5680 K

PRODUCT NAME:
ECLPANELIP SOFT 1X1

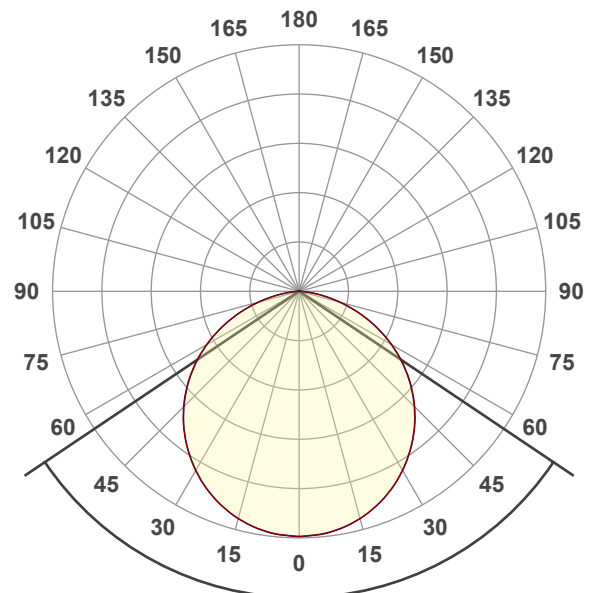
MEASURAMENT CONDITIONS:

Beam angle:
HD Filter

Target:
5600K - HB

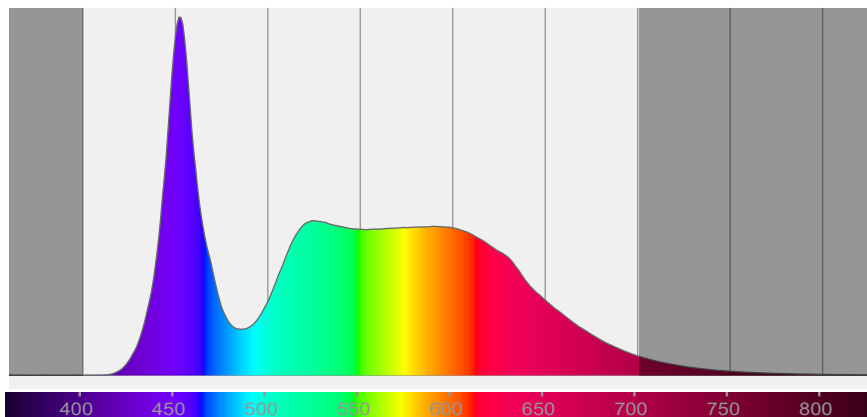
Operator:
Salvatore Giglio

Date and time:
05/09/2024 10:48:55

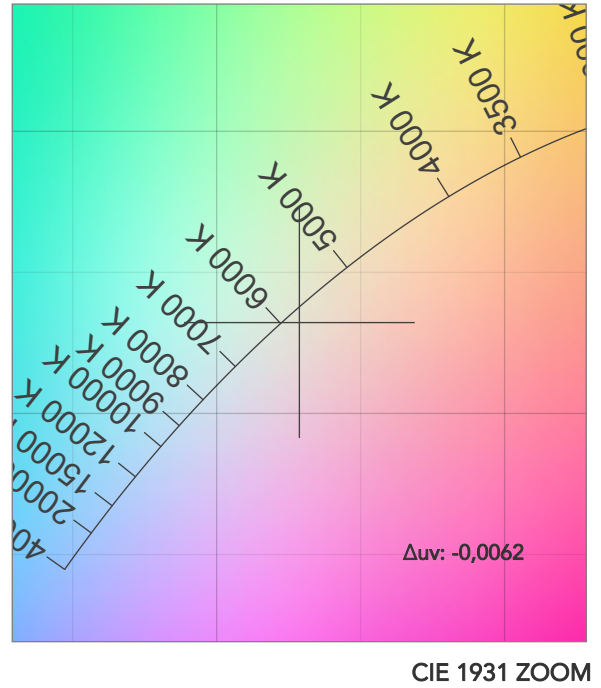
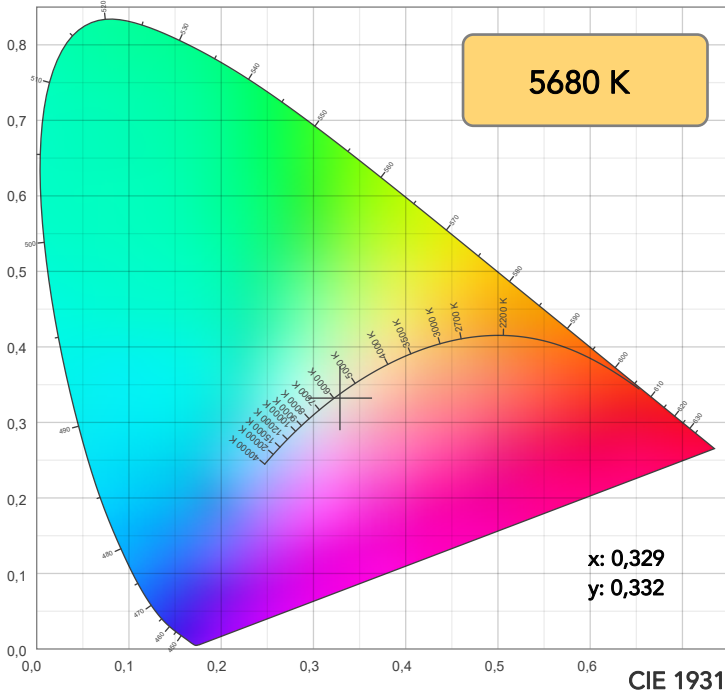


Beam angle 50%: 112,2°
Field angle 10%: 159°
Cut off angle 2.5%: 170,6°

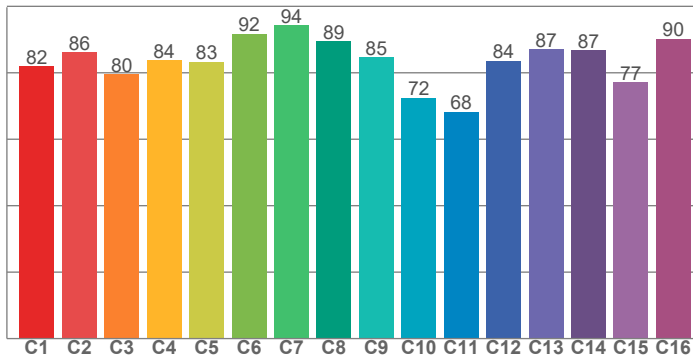
Spectra



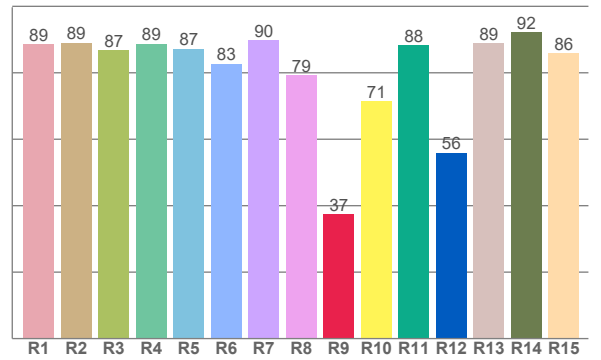
COLOR DETAILS



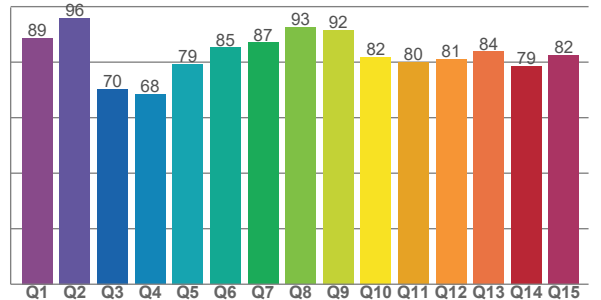
TM30: 83,2



CRI: 86,5 (R1-R8)



CQS: 81,6



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
88,5	89,0	86,7	88,7	87,2	82,7	89,8	79,3	37,5	71,4	88,3	55,9	88,9	92,2	85,9

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
82,0	86,2	79,5	83,7	83,2	91,7	94,3	89,4	84,6	72,5	68,2	83,6	87,1	86,7	77,1	90,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88,6	95,9	70,3	68,4	79,4	85,3	87,1	92,5	91,5	81,9	79,9	81,1	83,8	78,5	82,5

COLOR PARAMETERS

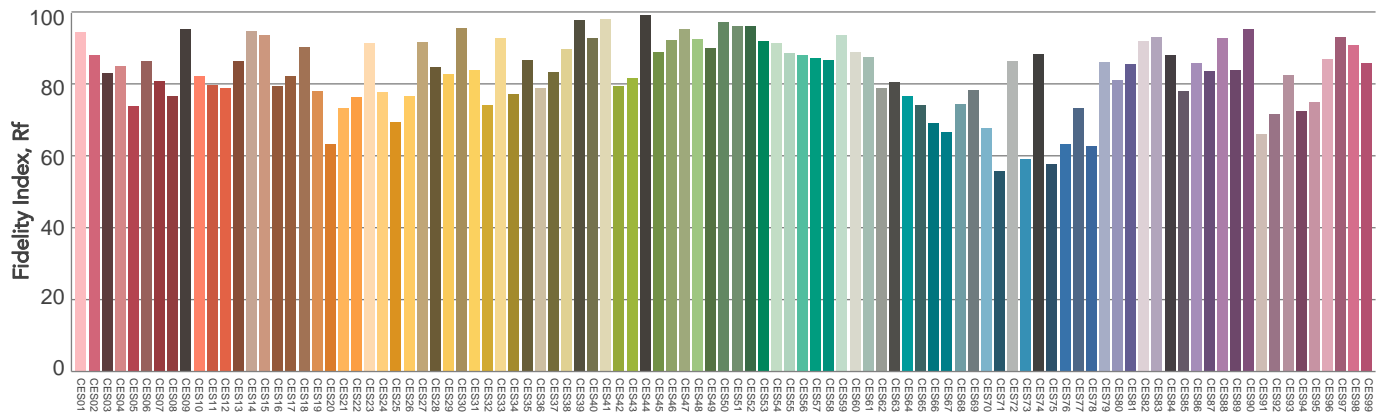
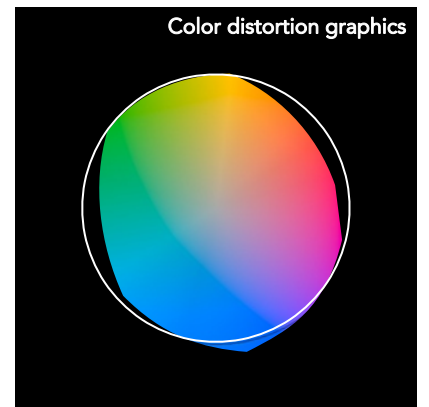
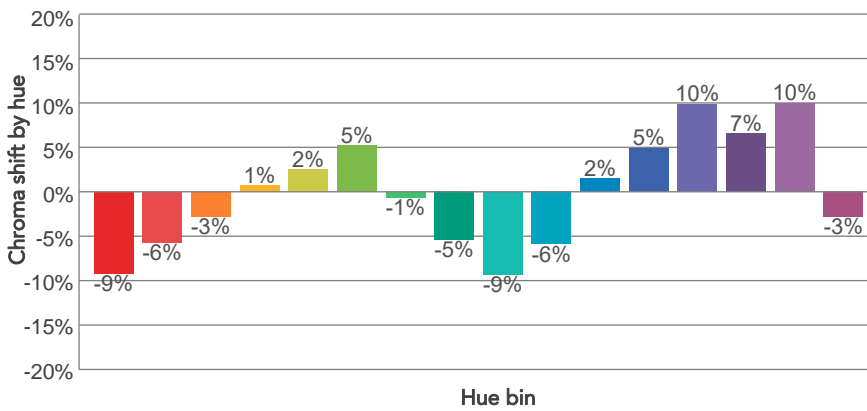
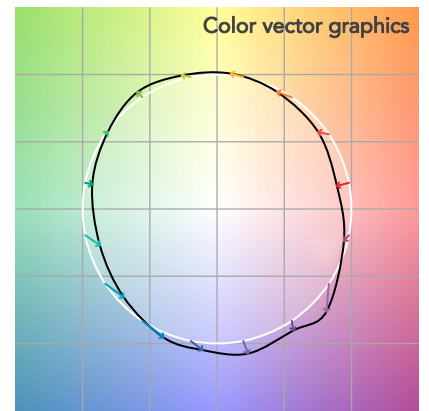
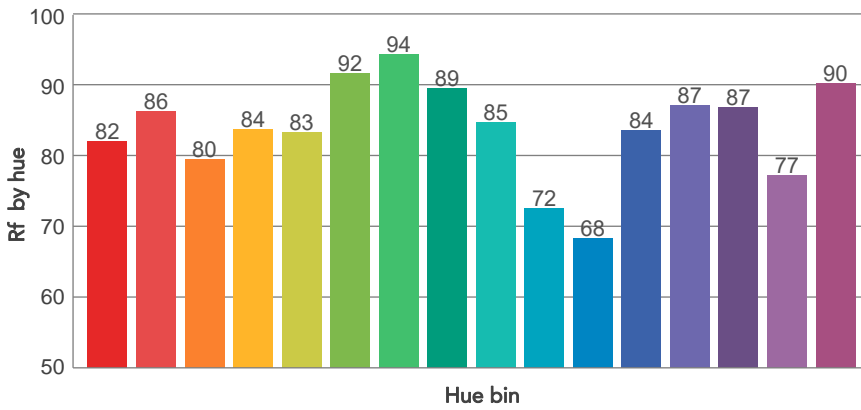
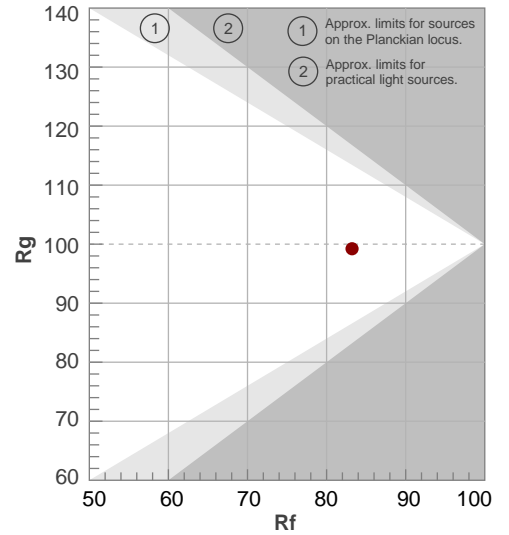
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5680 K	86,5	37,5	83,2	99,2	81,6	79	0,329	0,332	-0,0062

TM30 DETAILS

Rf 83,2
Fidelity index Rf

Rg 99,2
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	-9%	0%
2	86	-6%	6%
3	80	-3%	11%
4	84	1%	10%
5	83	2%	6%
6	92	5%	1%
7	94	-1%	-2%
8	89	-5%	0%
9	85	-9%	9%
10	72	-6%	16%
11	68	2%	20%
12	84	5%	10%
13	87	10%	2%
14	87	7%	-3%
15	77	10%	-18%
16	90	-3%	-5%

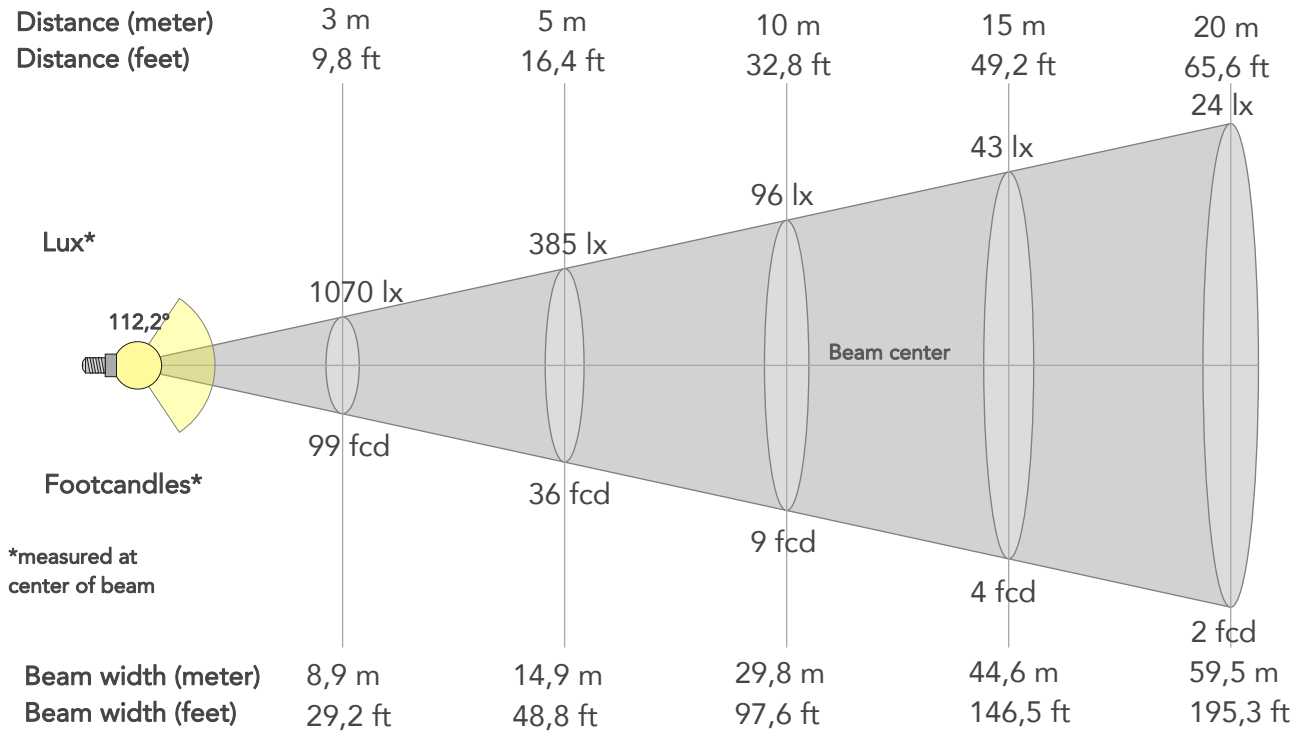


Color Evaluation Sample

BEAM DETAILS



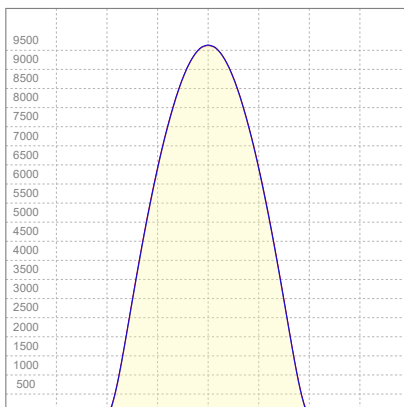
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
112,2°	159°	170,6°	79,6%	54,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	9627lx	2407lx	1070lx	602lx	385lx	171lx	96lx	43lx	24lx	15lx	11lx	6lx	4lx
Footcand.	894fcd	224fcd	99fcd	56fcd	36fcd	16fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	3m	6m	8,9m	11,9m	14,9m	22,3m	29,8m	44,6m	59,5m	74,4m	89,3m	119,1m	148,8m
Beam wid.	9,8ft	19,6ft	29,2ft	39ft	48,8ft	73,2ft	97,6ft	146,5ft	195,3ft	244,1ft	292,9ft	390,5ft	488,2ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	1,33A	297W	0,99	91lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



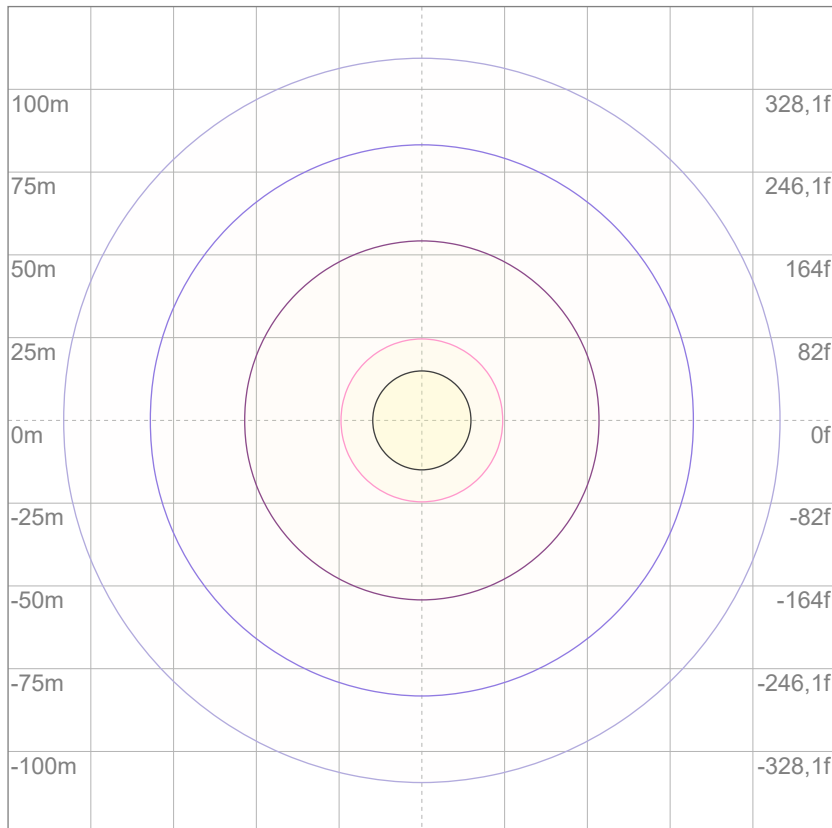
10%	963 cd
20%	1925 cd
30%	2888 cd
40%	3851 cd
50%	4814 cd
60%	5776 cd
70%	6739 cd
80%	7702 cd

Conditions:

Number of c-planes: 4

Candela at center: 9627 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	2,89 lx
5%	4,81 lx
10%	9,63 lx
30%	28,9 lx
50%	48,1 lx

Conditions:

Number of c-planes: 4

Lux at center: 96,3 lx

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



Total lumen output:

23855 lm

Peak candela output:

8472 cd

Light quality:

CRI: 93,7

Color temperature:

3244 K

PRODUCT NAME:
ECLPANELIP SOFT 1X1

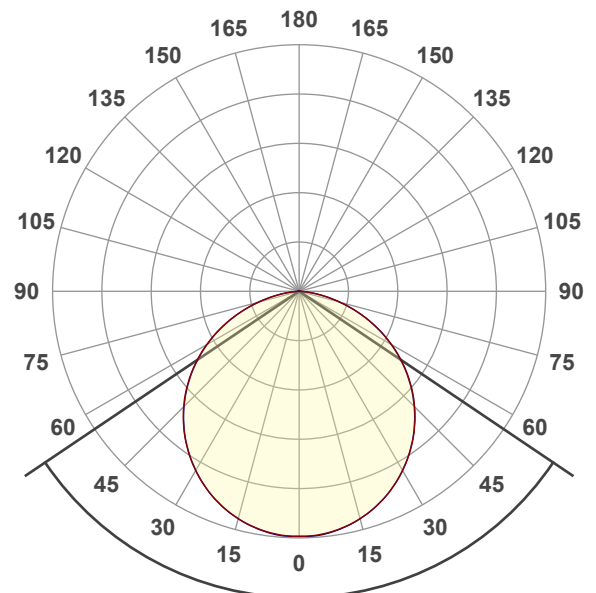
MEASURAMENT CONDITIONS:

Beam angle:
HD Filter

Target:
3200K - HQ

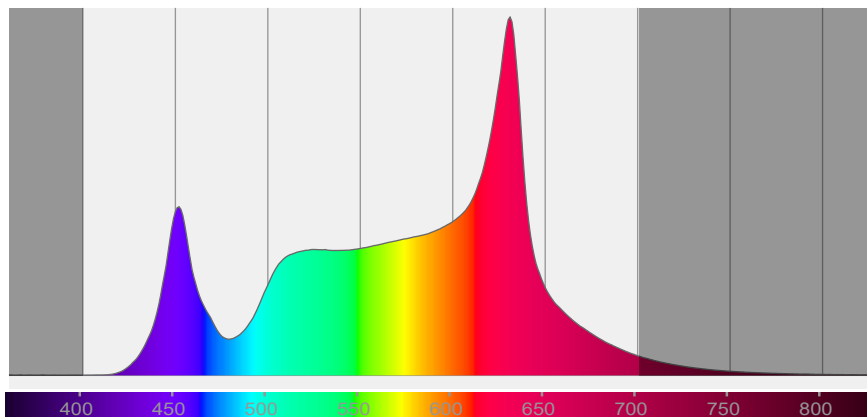
Operator:
Salvatore Giglio

Date and time:
05/09/2024 11:54:11

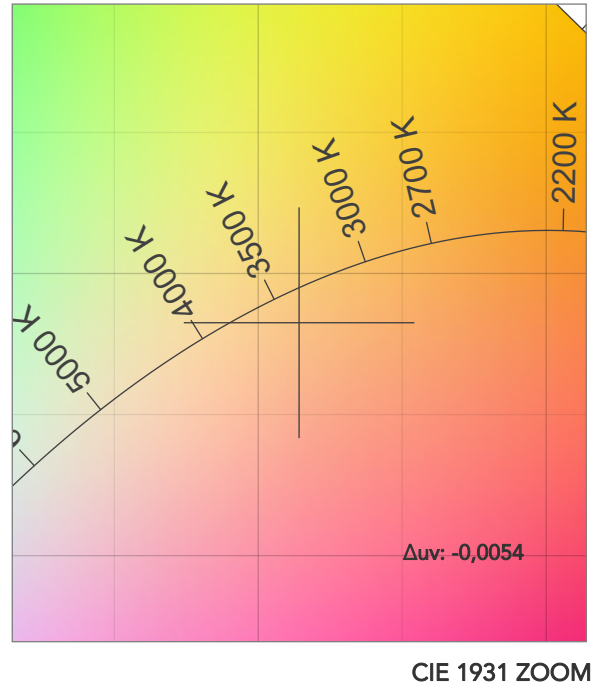
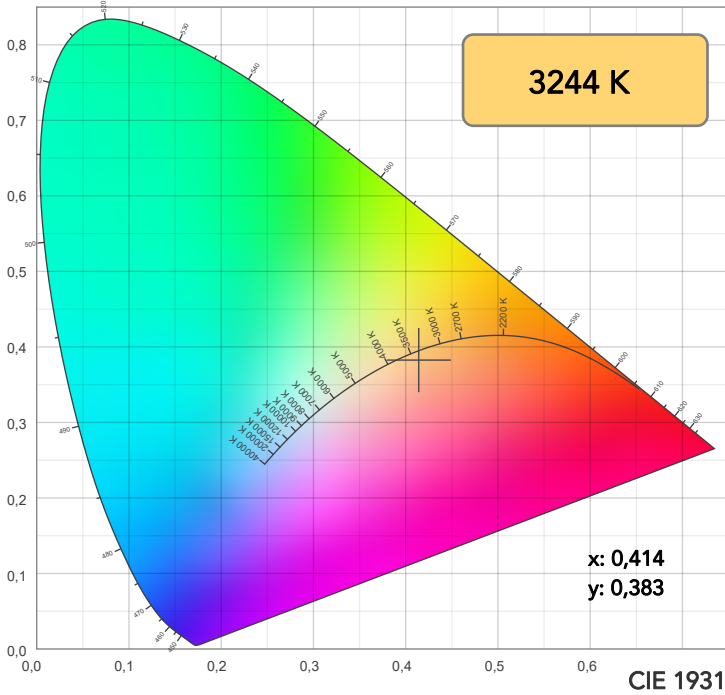


Beam angle 50%: 112°
Field angle 10%: 158,9°
Cut off angle 2.5%: 170,4°

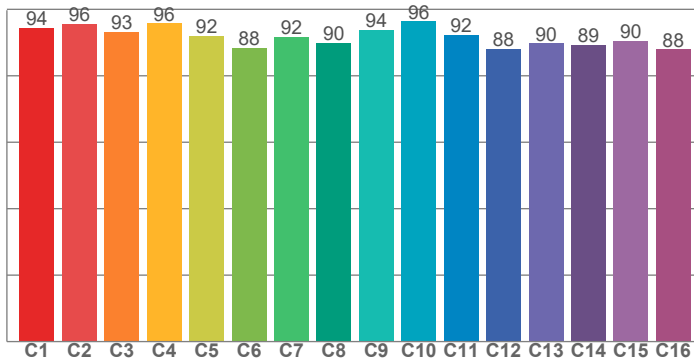
Spectra



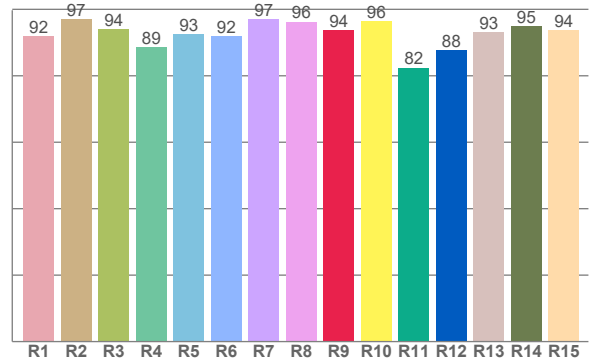
COLOR DETAILS



TM30: 92,4



CRI: 93,7 (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
91,9	97,1	94,1	88,6	92,6	92,0	97,0	96,2	93,7	96,3	82,4	87,6	93,0	94,9	93,7

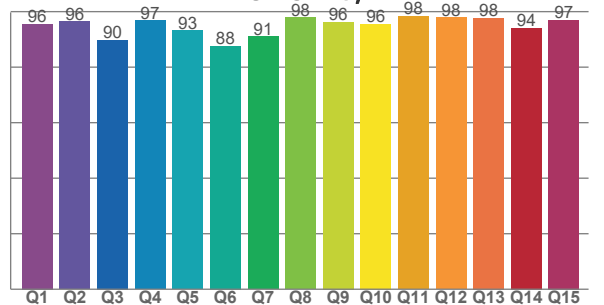
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,5	95,7	93,3	95,8	92,0	88,4	91,7	89,9	93,9	96,3	92,3	88,1	89,7	89,3	90,4	87,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,5	96,4	89,8	96,8	93,2	87,6	90,9	97,8	96,2	95,6	98,3	97,8	97,7	94,0	97,1

CQS: 93,9



COLOR PARAMETERS

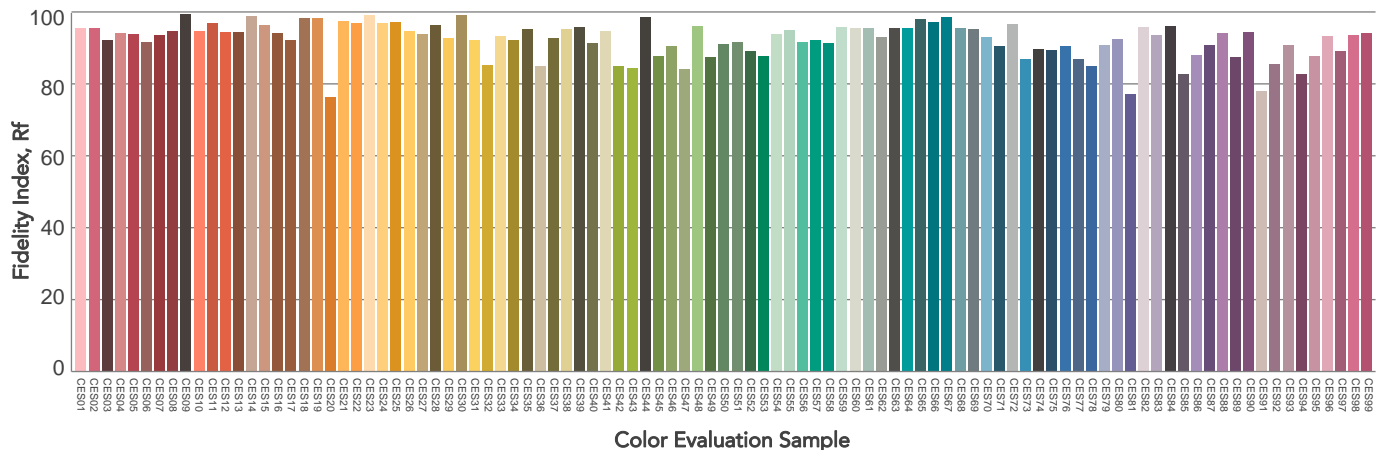
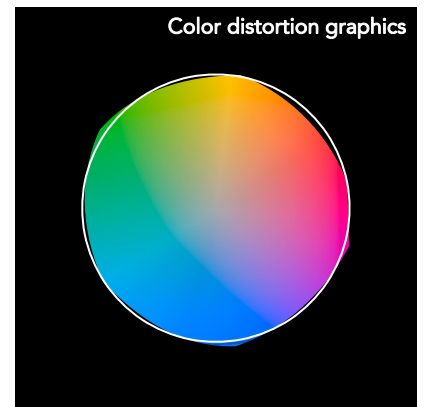
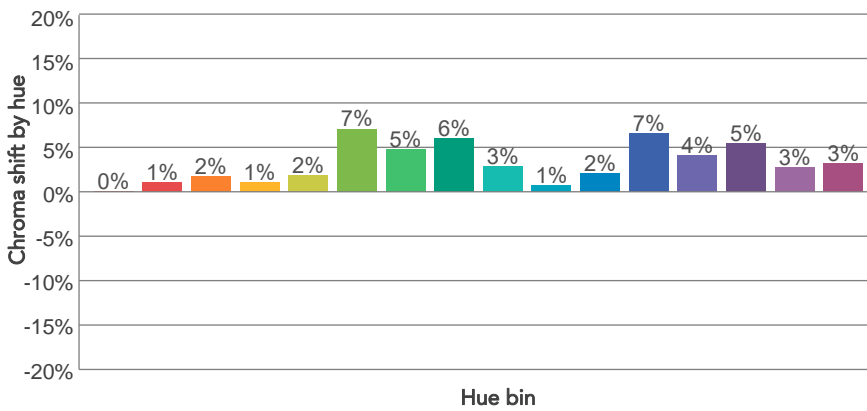
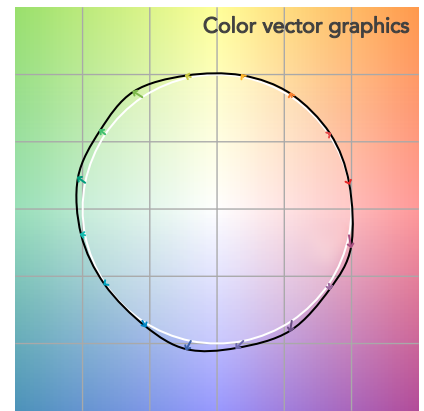
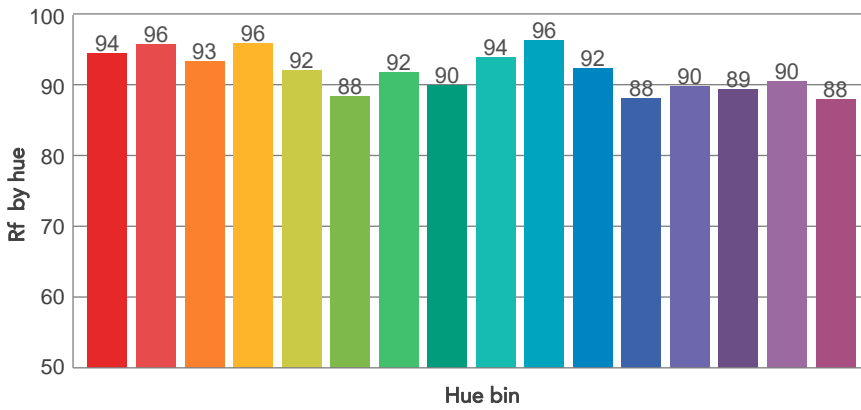
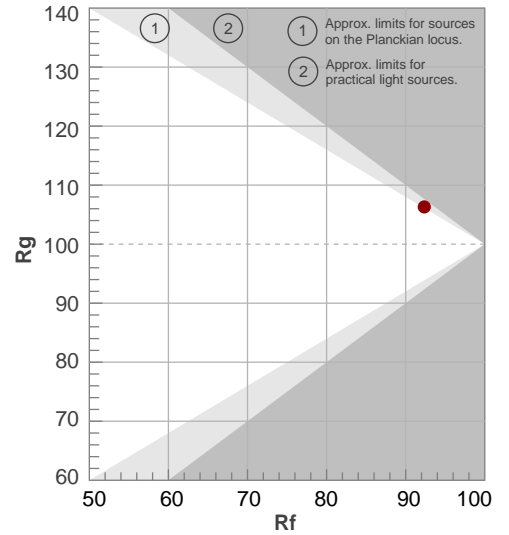
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3244 K	93,7	93,7	92,4	106,3	93,9	86	0,414	0,383	-0,0054

TM30 DETAILS

Rf 92,4
Fidelity index Rf

Rg 106,3
Gammut index

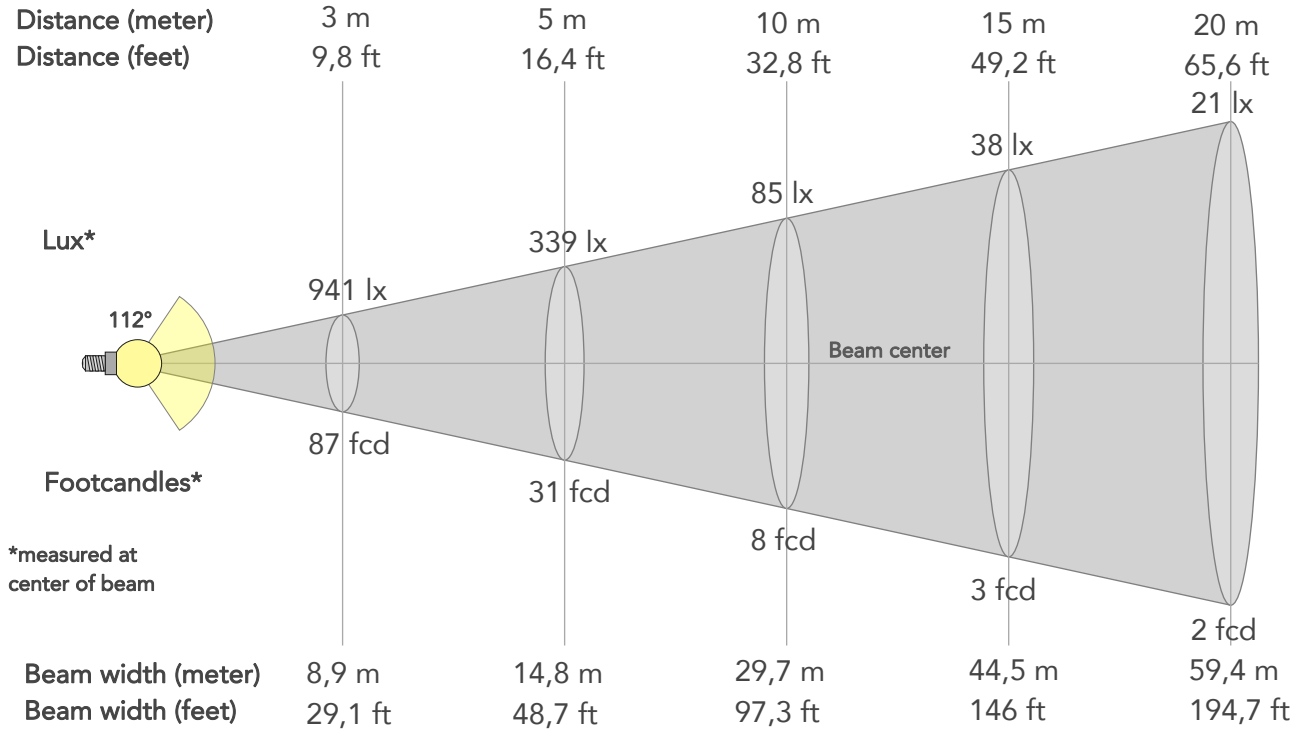
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	0%	-1%
2	96	1%	0%
3	93	2%	2%
4	96	1%	1%
5	92	2%	3%
6	88	7%	3%
7	92	5%	0%
8	90	6%	-3%
9	94	3%	-1%
10	96	1%	0%
11	92	2%	4%
12	88	7%	-2%
13	90	4%	-6%
14	89	5%	-5%
15	90	3%	-3%
16	88	3%	-8%



BEAM DETAILS



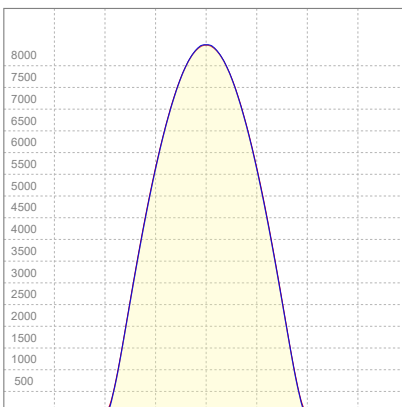
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
112°	158,9°	170,4°	79,7%	54,3%



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	8467lx	2117lx	941lx	529lx	339lx	151lx	85lx	38lx	21lx	14lx	9lx	5lx	3lx
Footcand.	787fcd	197fcd	87fcd	49fcd	31fcd	14fcd	8fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	3m	5,9m	8,9m	11,9m	14,8m	22,3m	29,7m	44,5m	59,4m	74,2m	89m	118,7m	148,4m
Beam wid.	9,8ft	19,6ft	29,1ft	38,9ft	48,7ft	73ft	97,3ft	146ft	194,7ft	243,4ft	292ft	389,4ft	486,7ft

LINEAR DISTRIBUTION DIAGRAM

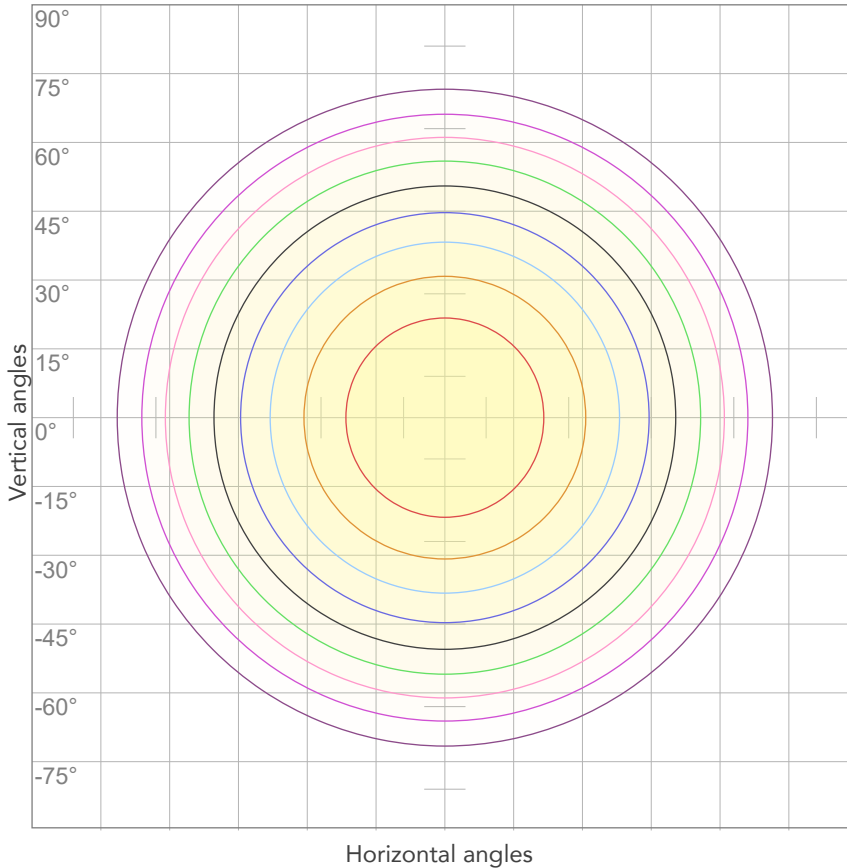


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	1,21A	272W	0,99	88lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



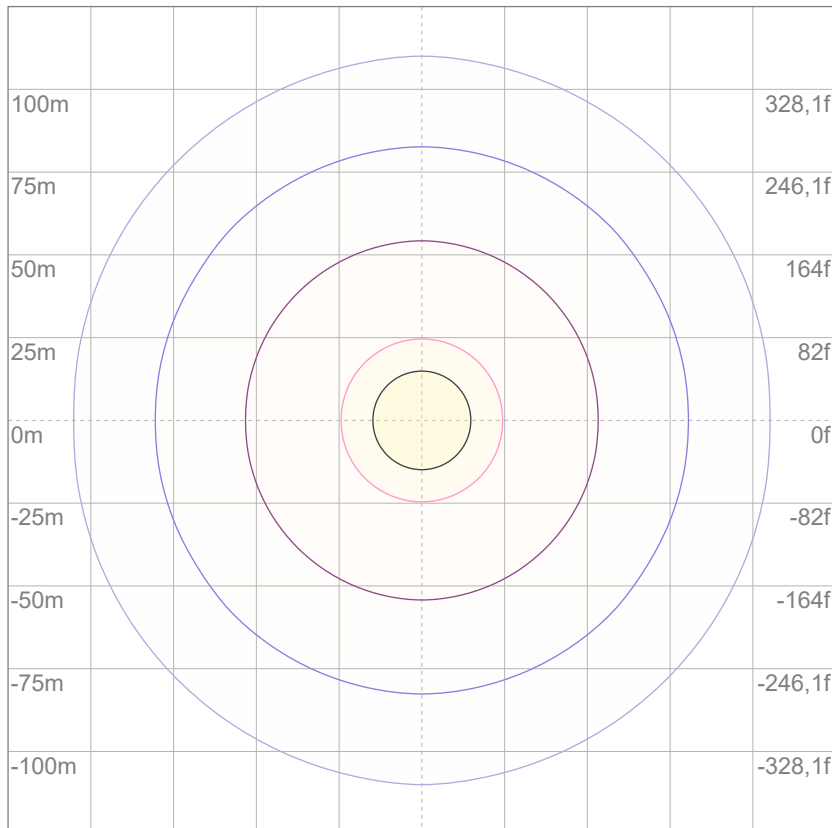
10%	847 cd
20%	1693 cd
30%	2540 cd
40%	3387 cd
50%	4233 cd
60%	5080 cd
70%	5927 cd
80%	6774 cd

Conditions:

Number of c-planes: 4

Candela at center: 8467 cd

ISO LUX DIAGRAM



3%	2,54 lx
5%	4,23 lx
10%	8,47 lx
30%	25,4 lx
50%	42,3 lx

Conditions:

Number of c-planes: 4

Lux at center: 84,7 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

23234 lm

Peak candela output:

8249 cd

Light quality:

CRI: 93,9

Color temperature:

5605 K

PRODUCT NAME:
ECLPANELIP SOFT 1X1

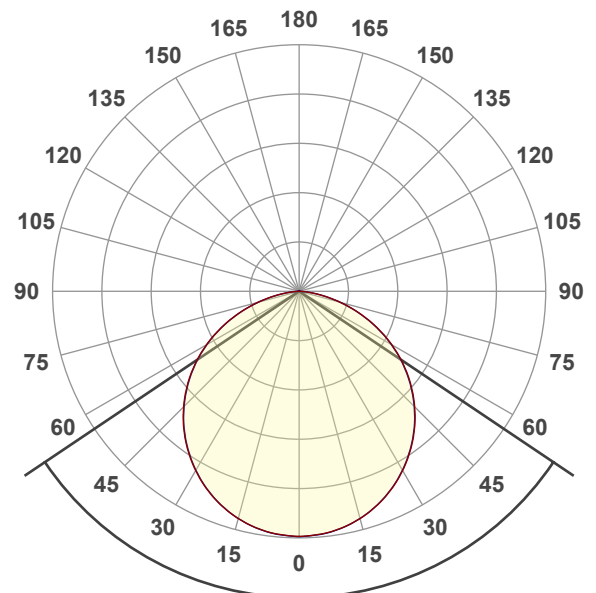
MEASURAMENT CONDITIONS:

Beam angle:
HD Filter

Target:
5600K - HQ

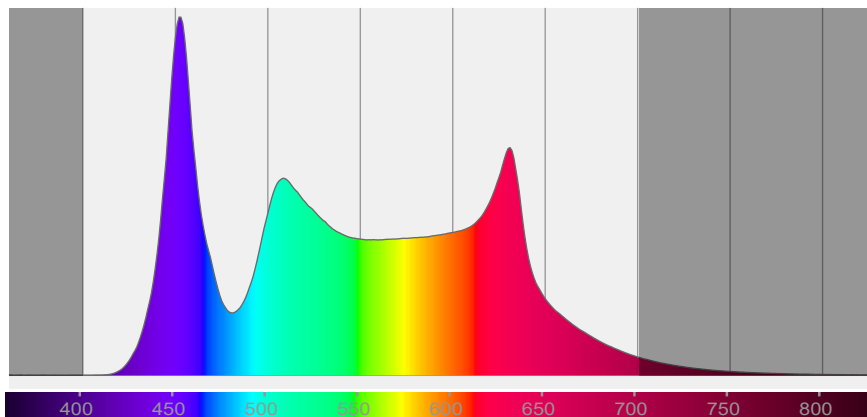
Operator:
Salvatore Giglio

Date and time:
05/09/2024 11:57:28

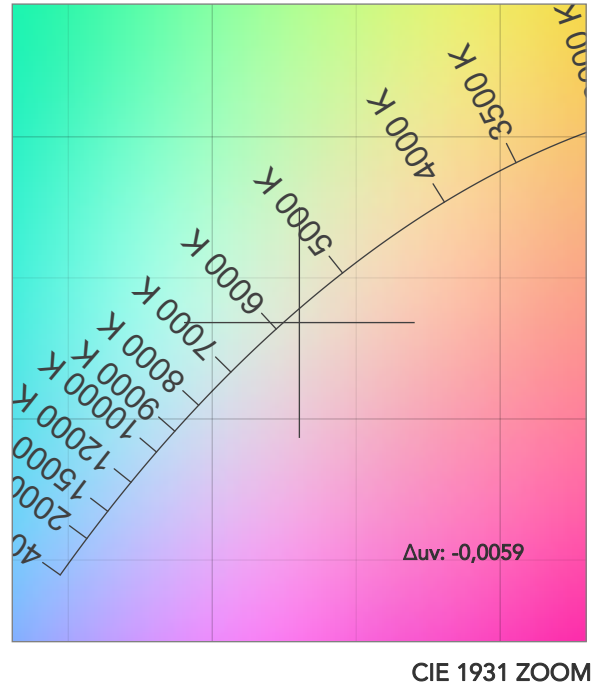
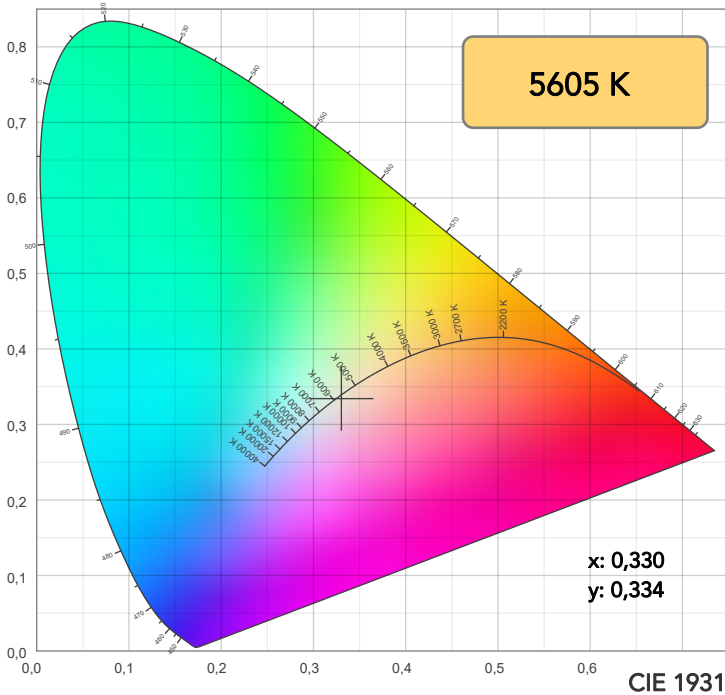


Beam angle 50%: 112,2°
Field angle 10%: 159°
Cut off angle 2.5%: 170,6°

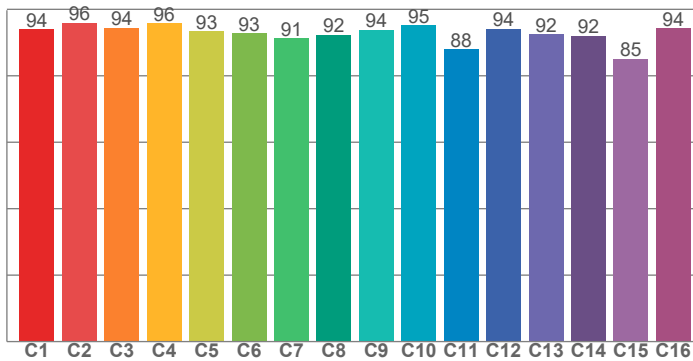
Spectra



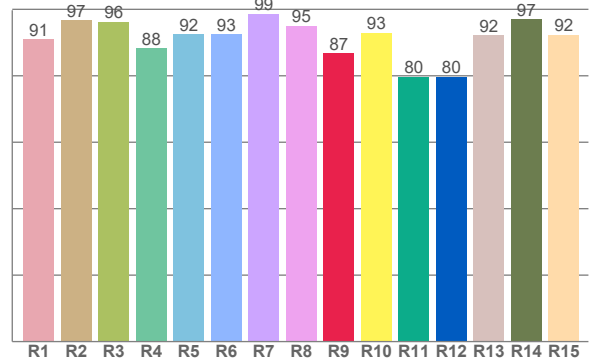
COLOR DETAILS



TM30: 92,7



CRI: 93,9 (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
91,1	96,8	96,3	88,3	92,4	92,6	98,6	95,1	86,7	92,9	79,7	79,7	92,3	97,0	92,3

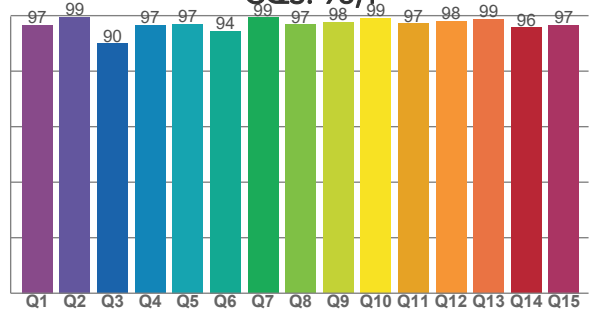
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,0	95,9	94,4	95,7	93,4	92,8	91,3	92,3	93,8	95,1	88,0	94,0	92,5	92,0	85,1	94,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,7	99,4	90,0	96,5	96,9	94,5	99,3	96,7	97,6	99,2	97,1	98,0	98,7	95,7	96,6

CQS: 96,1



COLOR PARAMETERS

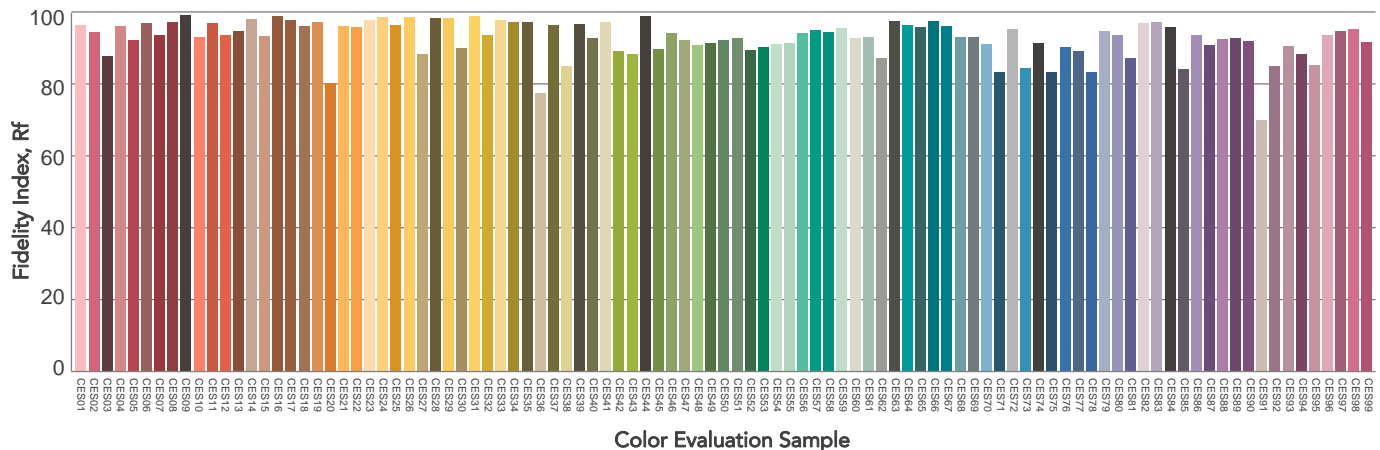
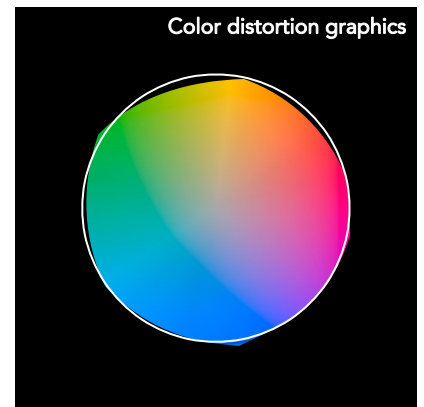
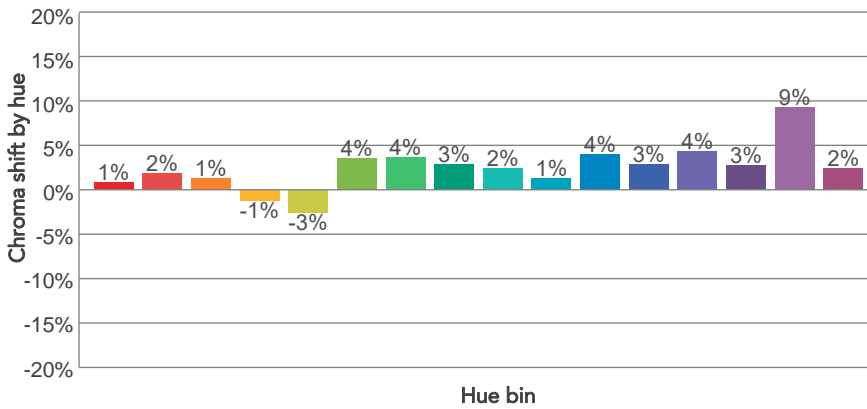
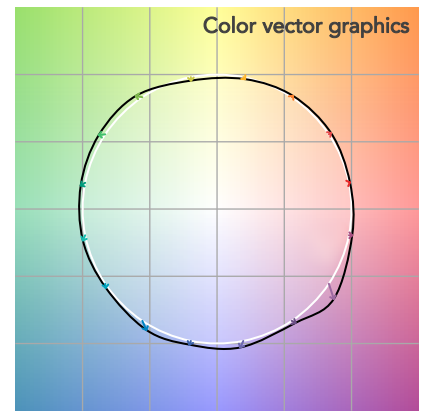
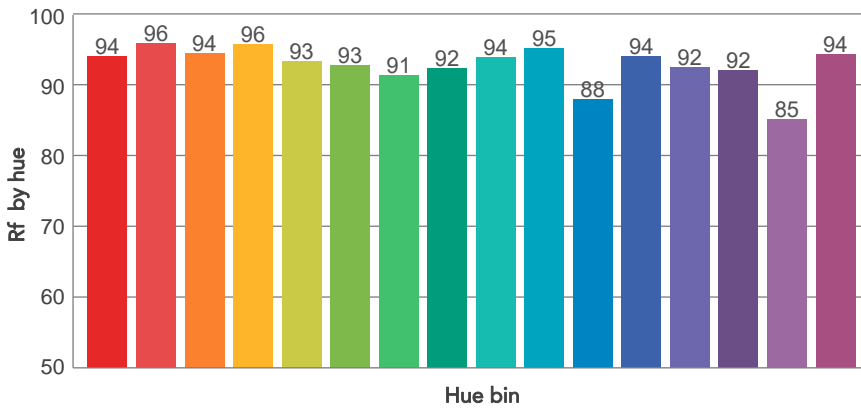
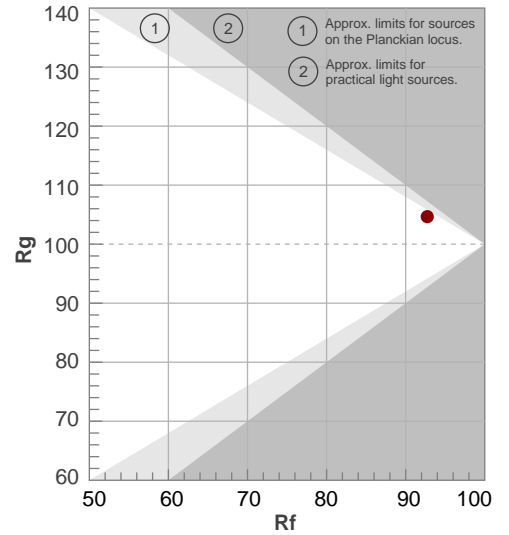
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5605 K	93,9	86,7	92,7	104,7	96,1	92	0,330	0,334	-0,0059

TM30 DETAILS

Rf 92,7
Fidelity index Rf

Rg 104,7
Gammut index

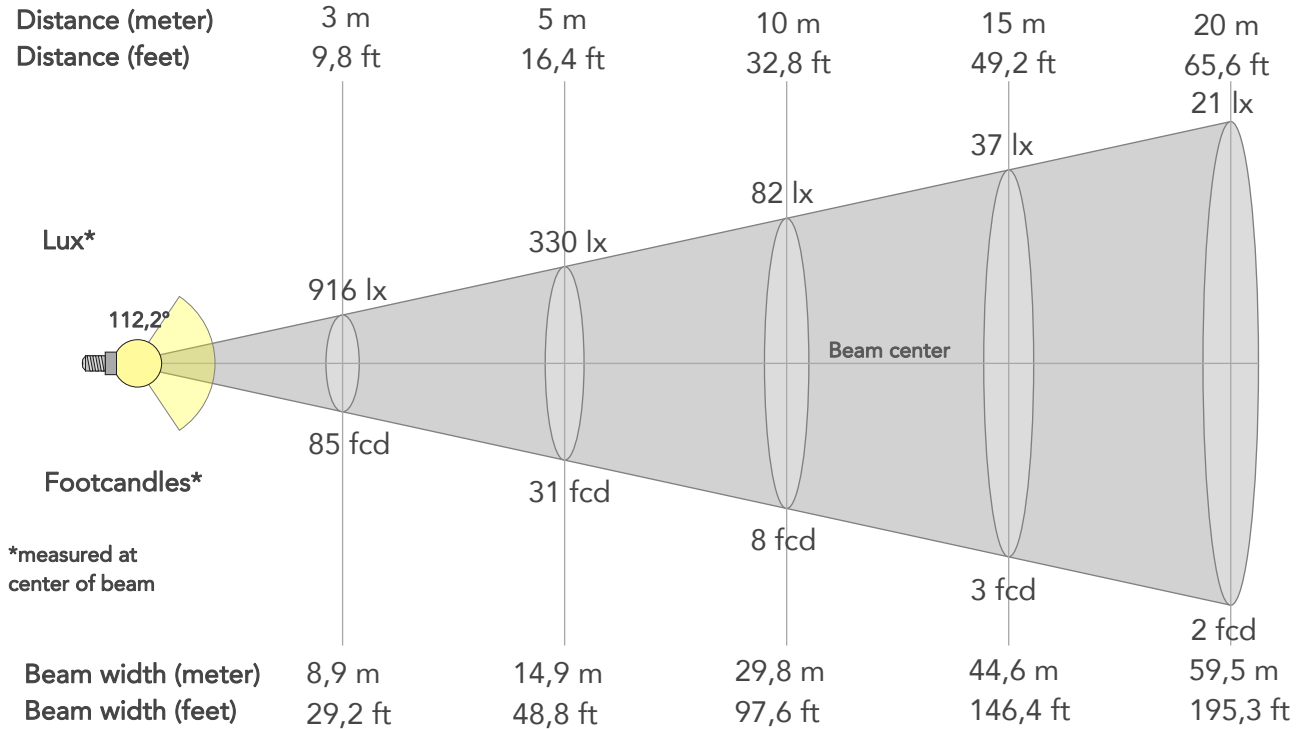
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	1%	0%
2	96	2%	0%
3	94	1%	0%
4	96	-1%	-2%
5	93	-3%	0%
6	93	4%	4%
7	91	4%	3%
8	92	3%	3%
9	94	2%	3%
10	95	1%	3%
11	88	4%	6%
12	94	3%	0%
13	92	4%	-3%
14	92	3%	2%
15	85	9%	-7%
16	94	2%	0%



BEAM DETAILS



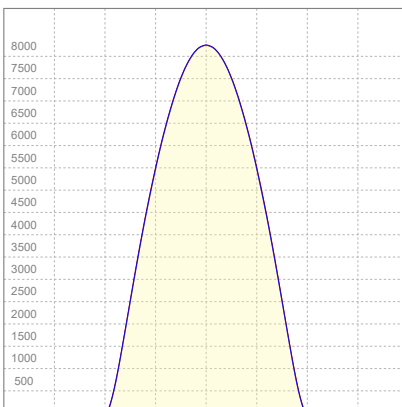
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
112,2°	159°	170,6°	79,7%	54,3%



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	8244lx	2061lx	916lx	515lx	330lx	147lx	82lx	37lx	21lx	13lx	9lx	5lx	3lx
Footcand.	766fcd	191fcd	85fcd	48fcd	31fcd	14fcd	8fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	3m	6m	8,9m	11,9m	14,9m	22,3m	29,8m	44,6m	59,5m	74,4m	89,3m	119,1m	148,8m
Beam wid.	9,8ft	19,6ft	29,2ft	39ft	48,8ft	73,2ft	97,6ft	146,4ft	195,3ft	244,1ft	292,9ft	390,5ft	488,1ft

LINEAR DISTRIBUTION DIAGRAM

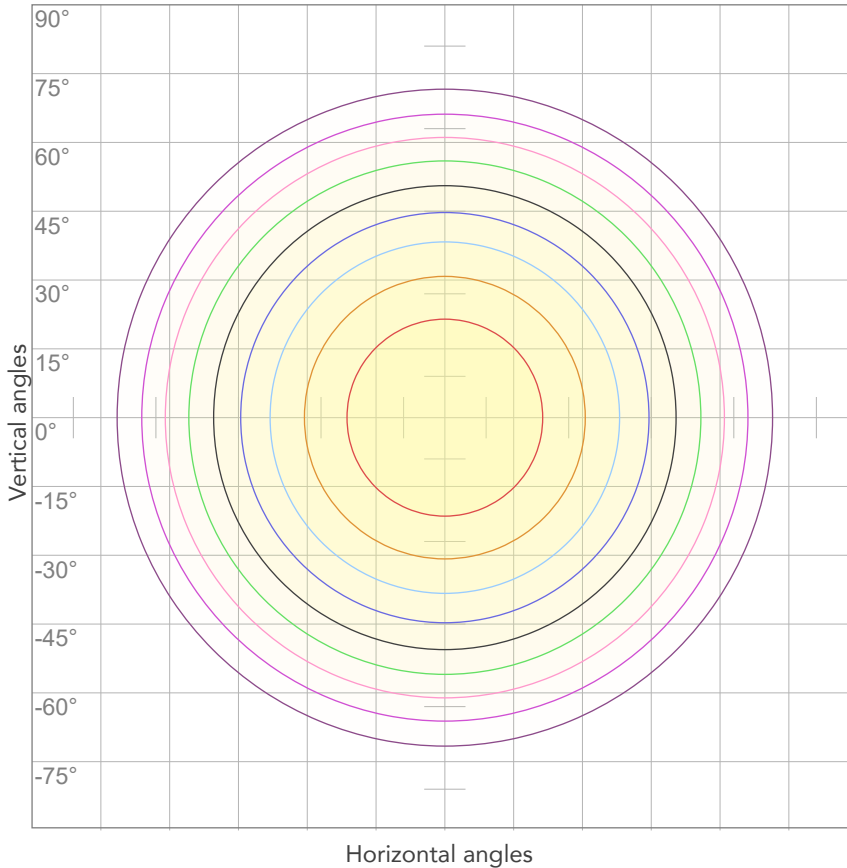


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	1,31A	294W	0,99	79lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



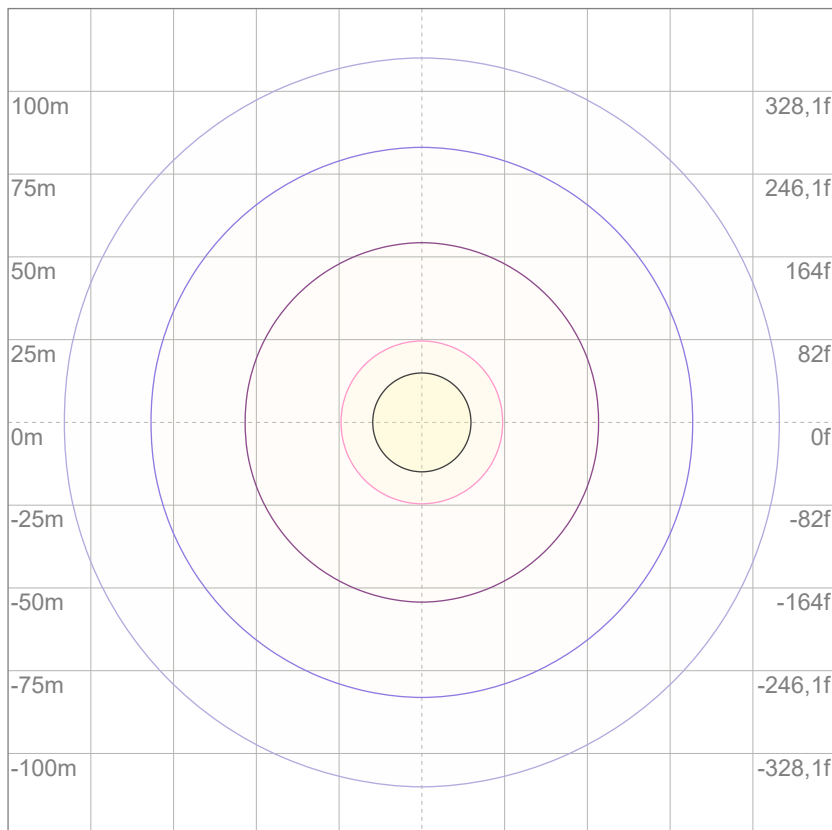
10%	824 cd
20%	1649 cd
30%	2473 cd
40%	3298 cd
50%	4122 cd
60%	4946 cd
70%	5771 cd
80%	6595 cd

Conditions:

Number of c-planes: 4

Candela at center: 8244 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	2,47 lx
5%	4,12 lx
10%	8,24 lx
30%	24,7 lx
50%	41,2 lx

Conditions:

Number of c-planes: 4

Lux at center: 82,4 lx

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



Total lumen output:

33563 lm

Peak candela output:

13912 cd

Light quality:

CRI: 93,4

Color temperature:

3281 K

PRODUCT NAME:
ECLPANELIP SOFT 1X1

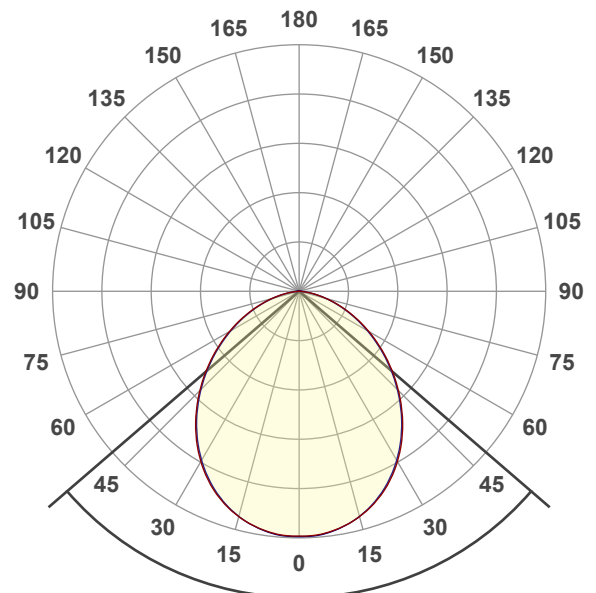
MEASURAMENT CONDITIONS:

Beam angle:
LD Filter

Target:
3200K - HB

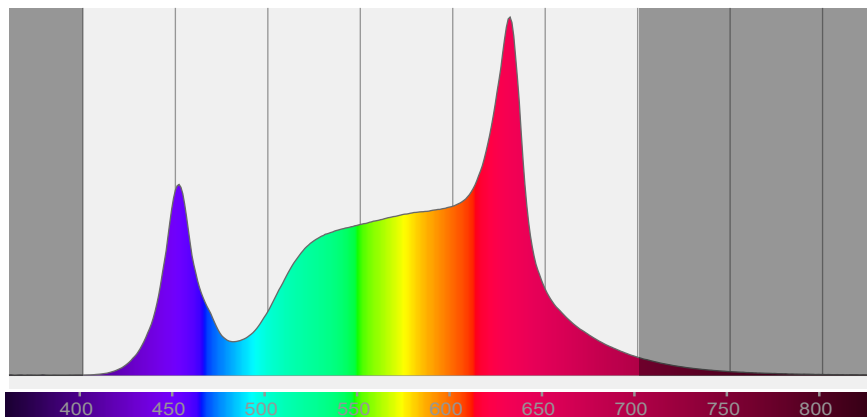
Operator:
Salvatore Giglio

Date and time:
05/09/2024 11:18:37

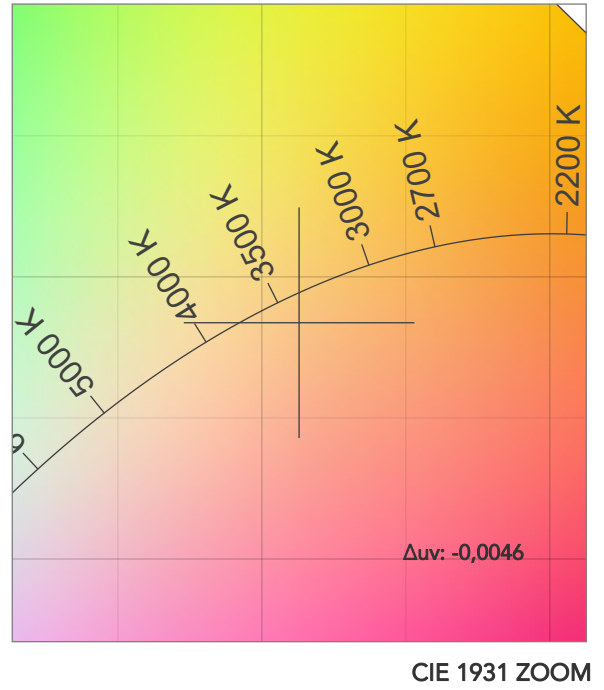
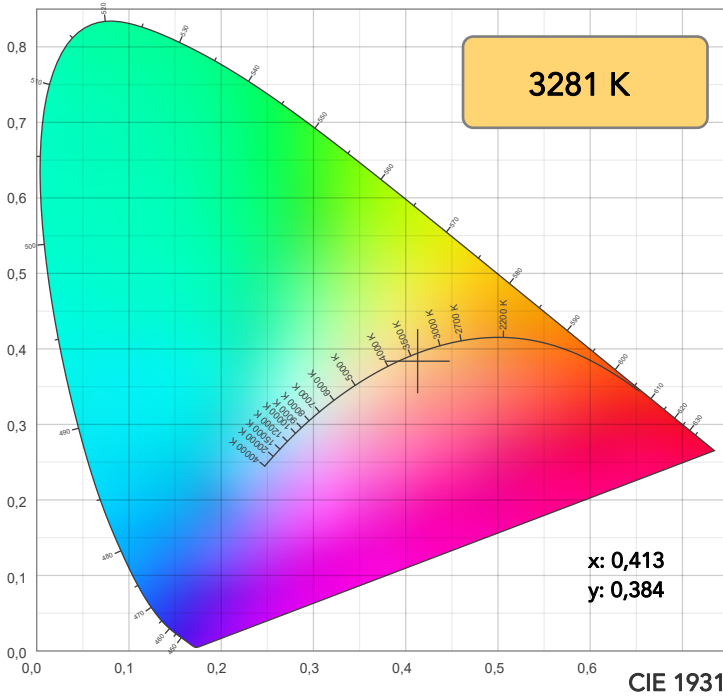


Beam angle 50%: 98,5°
Field angle 10%: 152,5°
Cut off angle 2.5%: 167,7°

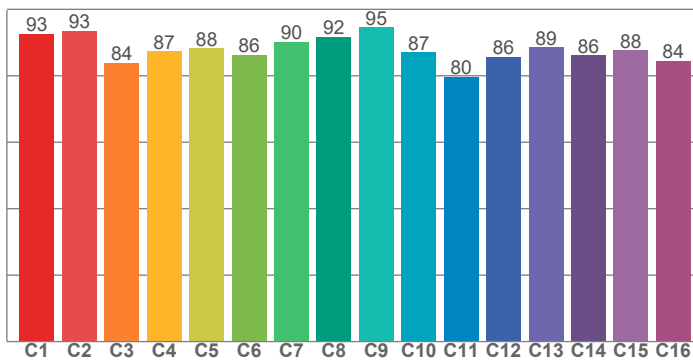
Spectra



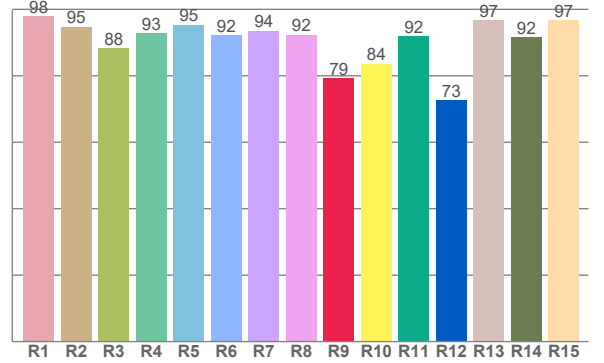
COLOR DETAILS



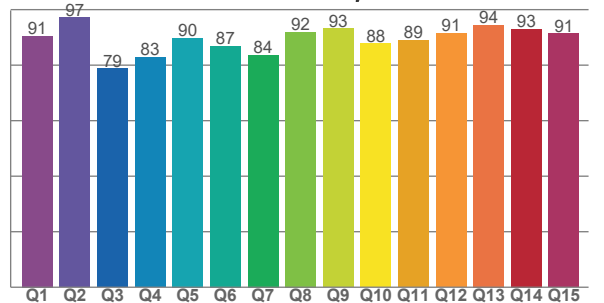
TM30: 88,2



CRI: 93,4 (R1-R8)



CQS: 88,4



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
97,9	94,8	88,2	92,8	95,4	92,2	93,6	92,4	79,2	83,6	91,9	72,7	96,7	91,6	96,7

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
92,7	93,5	83,9	87,3	88,3	86,3	90,2	91,8	94,6	87,1	79,7	85,8	88,6	86,1	87,6	84,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90,5	97,1	78,8	82,8	89,8	86,9	83,7	91,9	93,2	87,8	89,0	91,5	94,5	93,0	91,4

COLOR PARAMETERS

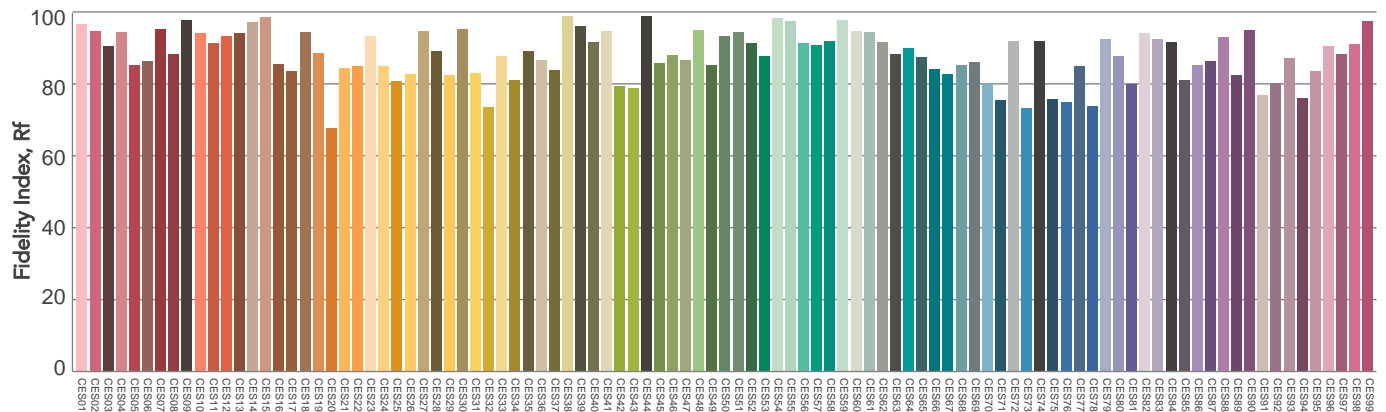
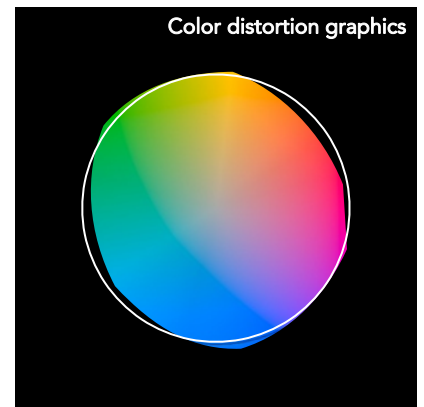
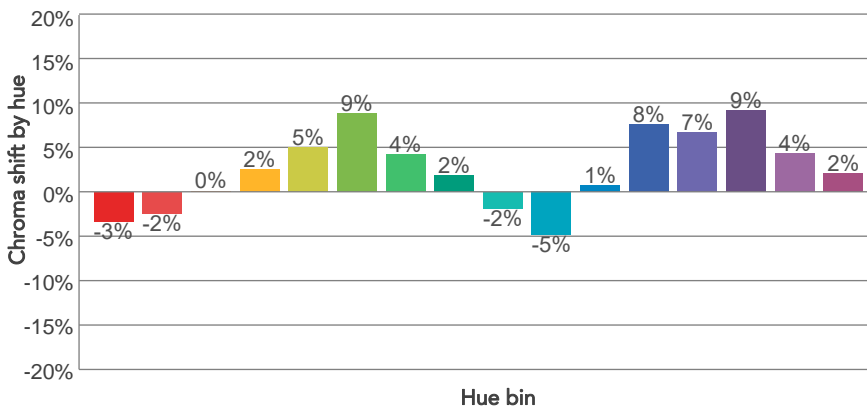
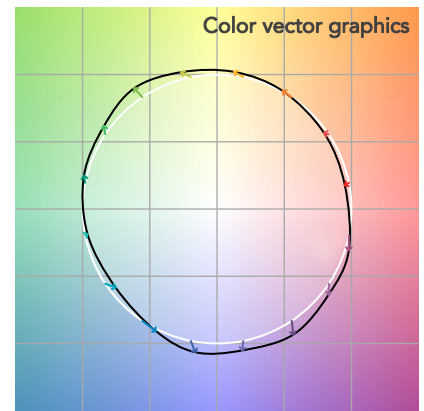
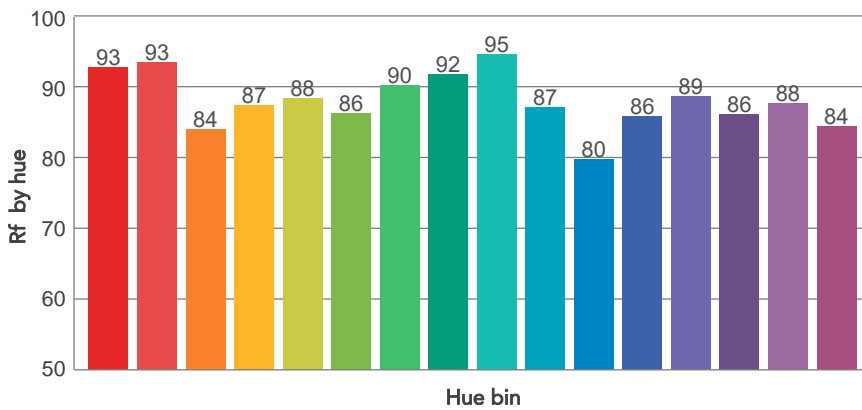
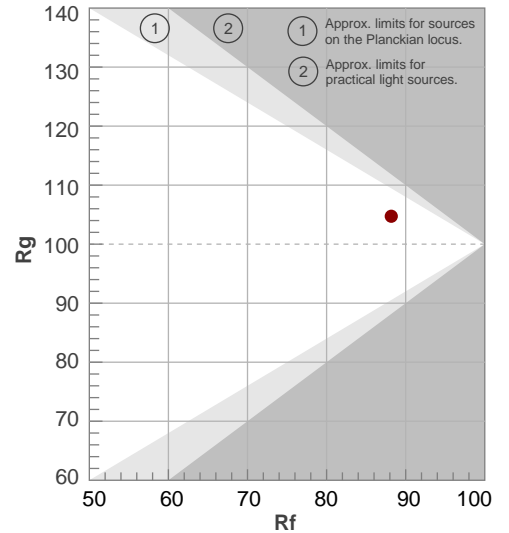
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3281 K	93,4	79,2	88,2	104,7	88,4	80	0,413	0,384	-0,0046

TM30 DETAILS

Rf 88,2
Fidelity index Rf

Rg 104,7
Gammut index

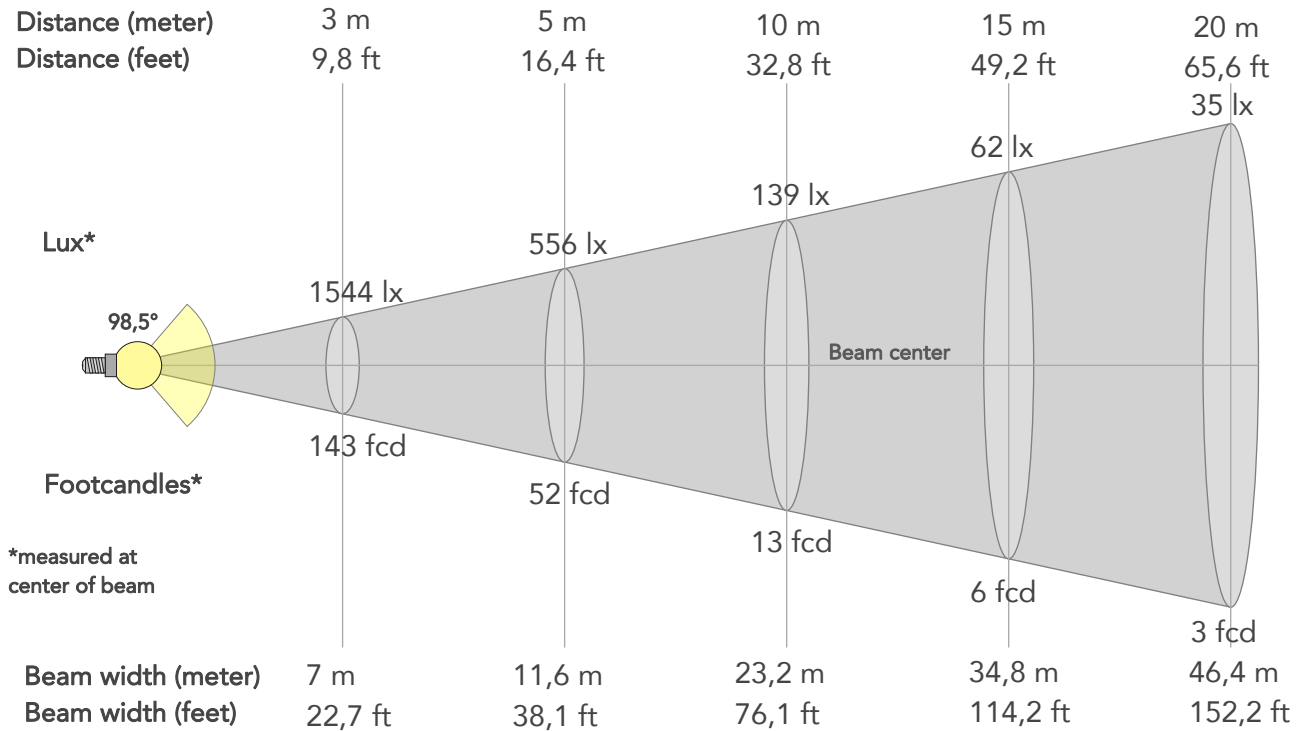
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	-1%
2	93	-2%	3%
3	84	0%	8%
4	87	2%	7%
5	88	5%	6%
6	86	9%	1%
7	90	4%	-5%
8	92	2%	-5%
9	95	-2%	-1%
10	87	-5%	7%
11	80	1%	13%
12	86	8%	5%
13	89	7%	-2%
14	86	9%	-5%
15	88	4%	-7%
16	84	2%	-11%



BEAM DETAILS



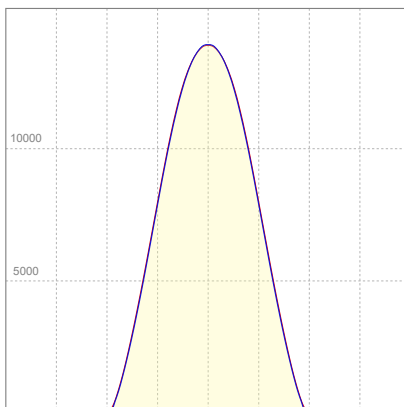
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
98,5°	152,5°	167,7°	83,5%	59,7%



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	13900lx	3475lx	1544lx	869lx	556lx	247lx	139lx	62lx	35lx	22lx	15lx	9lx	6lx
Footcand.	1291fcd	323fcd	143fcd	81fcd	52fcd	23fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	1fcd
Beam wid.	2,3m	4,6m	7m	9,3m	11,6m	17,4m	23,2m	34,8m	46,4m	58m	69,6m	92,8m	116m
Beam wid.	7,7ft	15,3ft	22,7ft	30,4ft	38,1ft	57,1ft	76,1ft	114,2ft	152,2ft	190,3ft	228,4ft	304,5ft	380,6ft

LINEAR DISTRIBUTION DIAGRAM

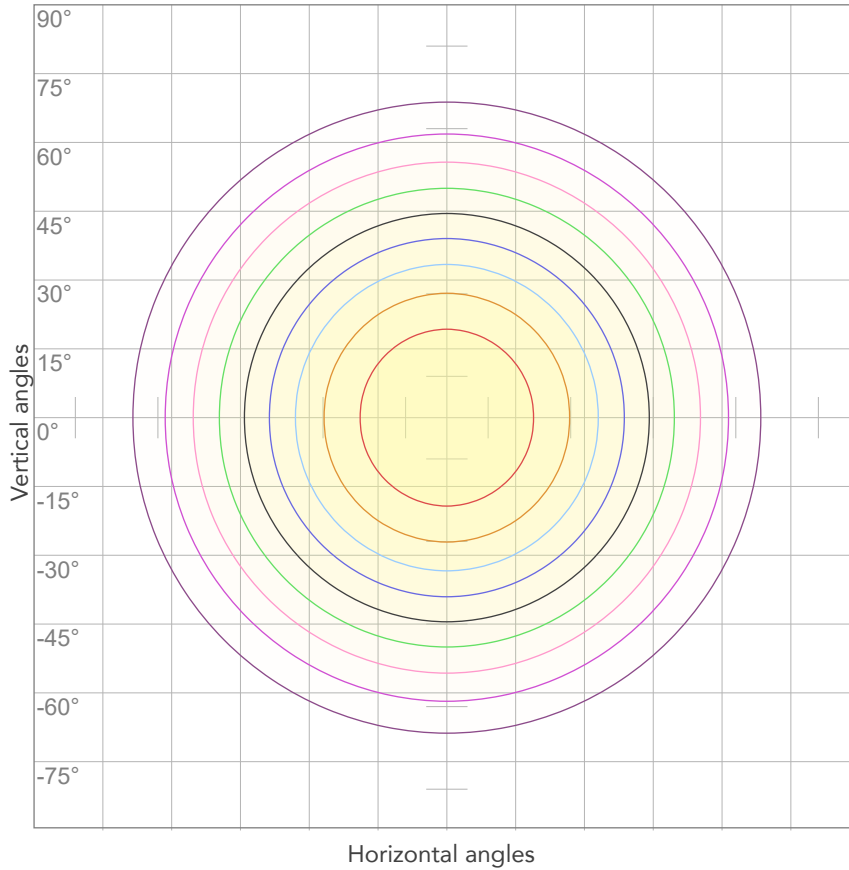


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
223V	1,30A	291W	0,99	115lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



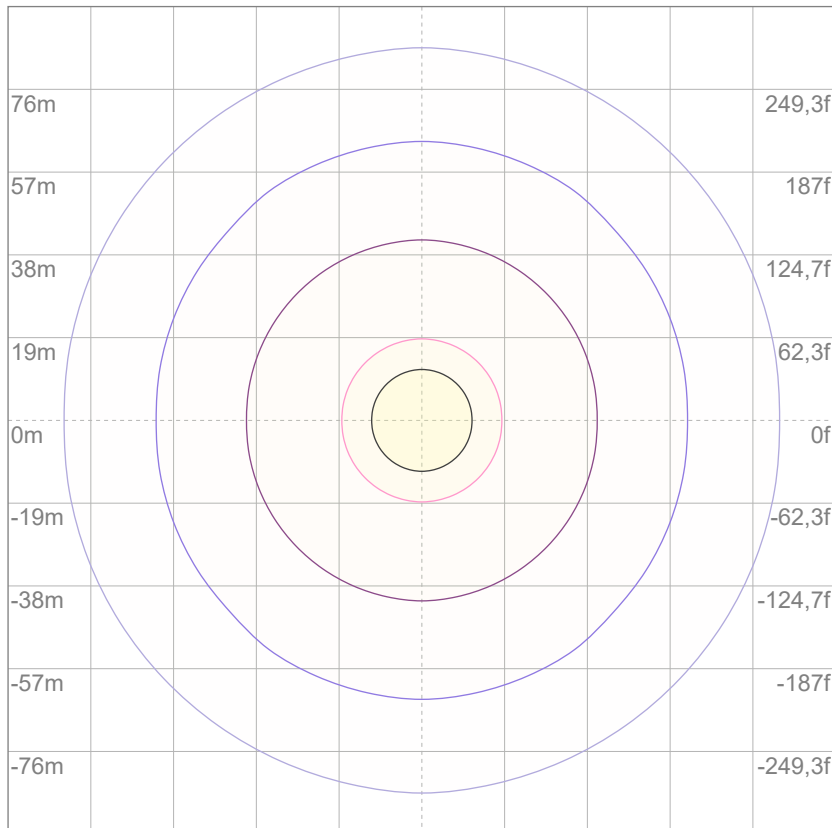
10%	1390 cd
20%	2780 cd
30%	4170 cd
40%	5560 cd
50%	6950 cd
60%	8340 cd
70%	9730 cd
80%	11120 cd

Conditions:

Number of c-planes: 4

Candela at center: 13900 cd

ISO LUX DIAGRAM



3%	4,17 lx
5%	6,95 lx
10%	13,9 lx
30%	41,7 lx
50%	69,5 lx

Conditions:

Number of c-planes: 4

Lux at center: 139 lx

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



Total lumen output:

33380 lm

Peak candela output:

13826 cd

Light quality:

CRI: 84,0

Color temperature:

5648 K

PRODUCT NAME:
ECLPANELIP SOFT 1X1

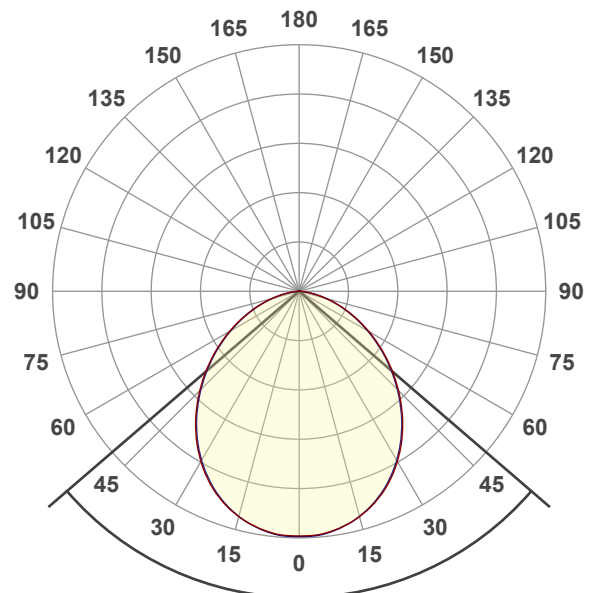
MEASURAMENT CONDITIONS:

Beam angle:
LD Filter

Target:
5600K - HB

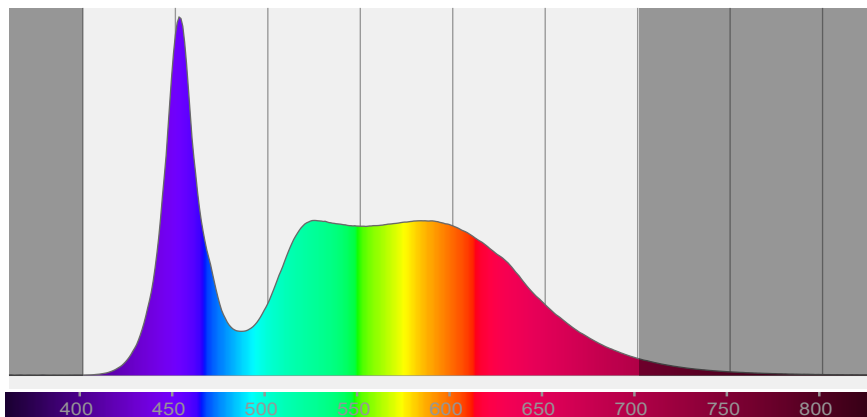
Operator:
Salvatore Giglio

Date and time:
05/09/2024 11:16:04

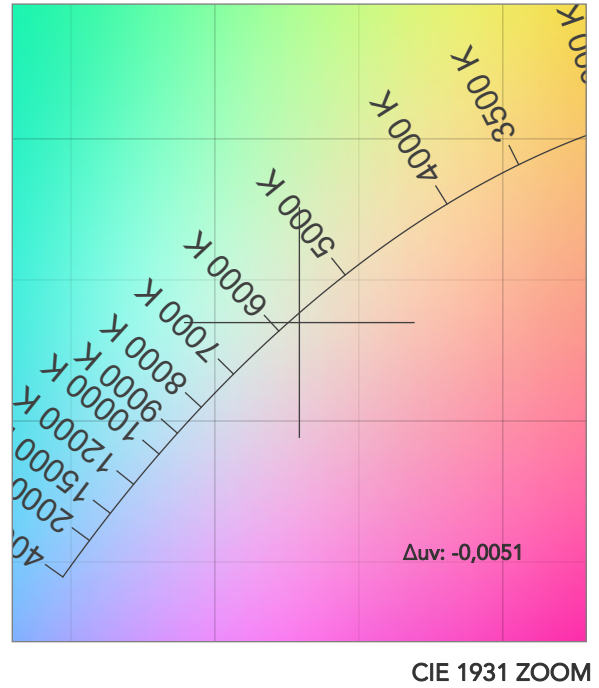
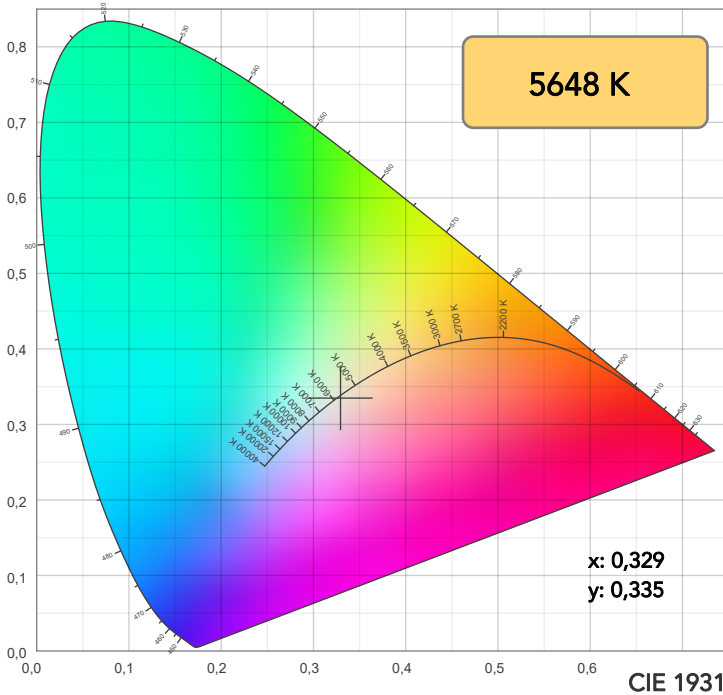


Beam angle 50%: 98,6°
Field angle 10%: 152,5°
Cut off angle 2.5%: 167,8°

Spectra

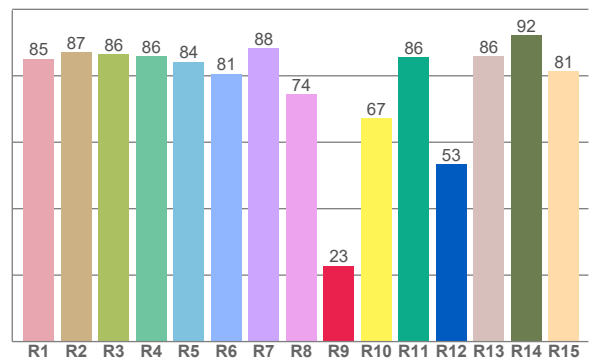
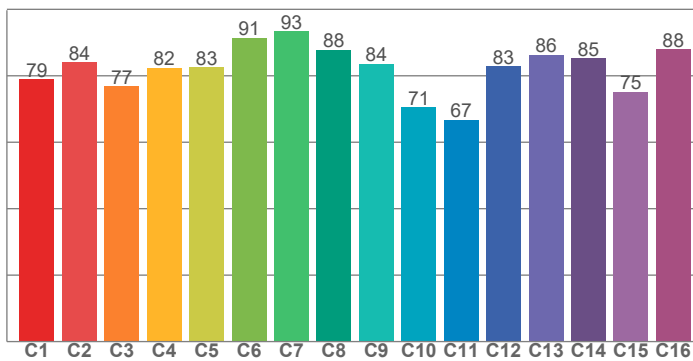


COLOR DETAILS



TM30: 81,7

CRI: 84,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
85,1	87,1	86,4	86,0	84,2	80,6	88,2	74,4	22,8	67,2	85,5	53,4	85,8	92,2	81,3

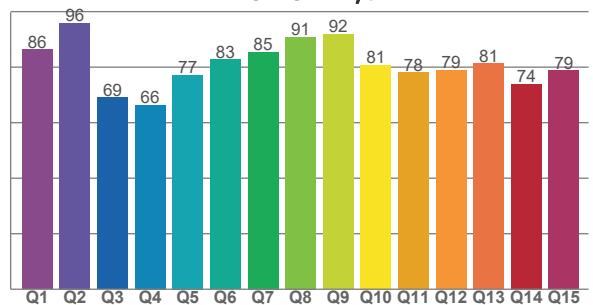
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
78,9	84,1	76,8	82,4	82,6	91,4	93,3	87,9	83,5	70,5	66,7	82,8	86,3	85,3	75,2	87,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
86,4	95,9	69,1	66,4	77,2	82,8	85,5	90,9	91,8	80,7	78,0	78,8	81,2	74,0	78,8

CQS: 79,6



COLOR PARAMETERS

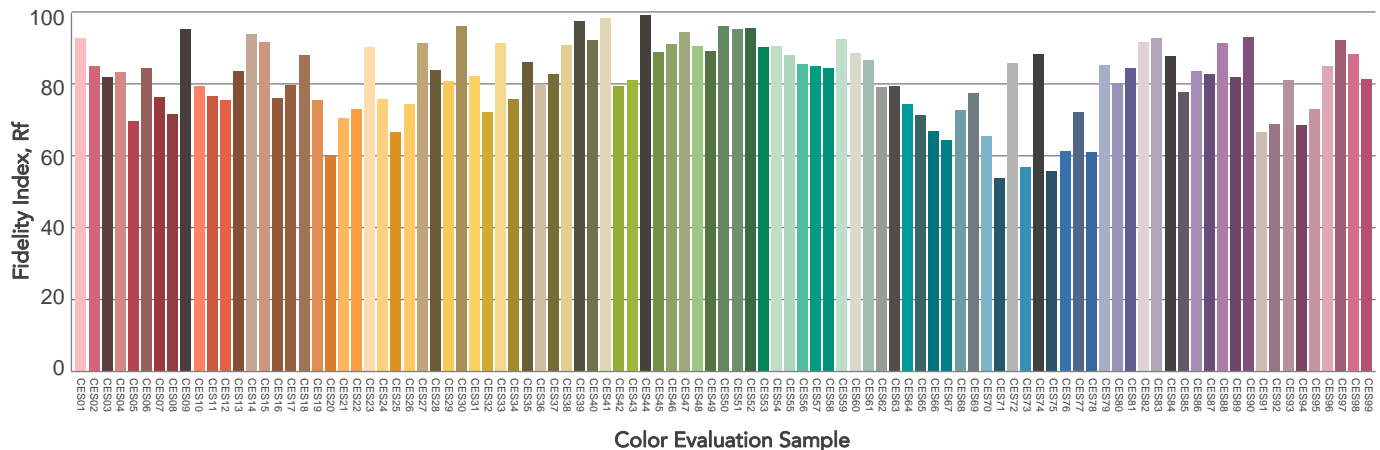
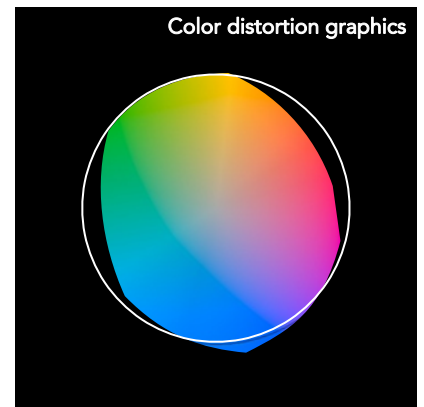
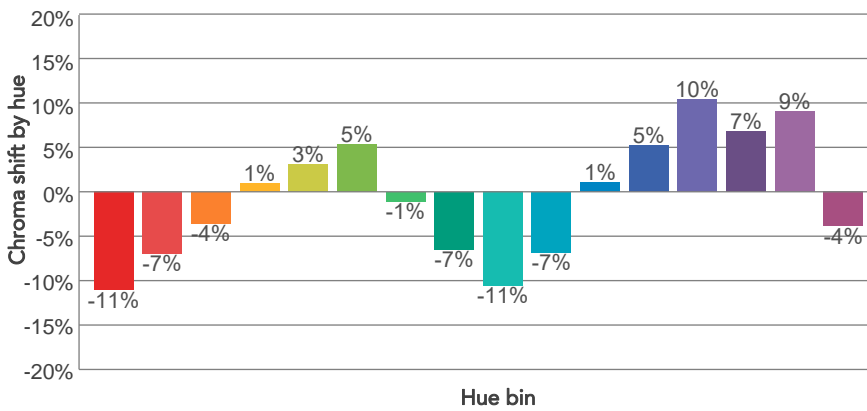
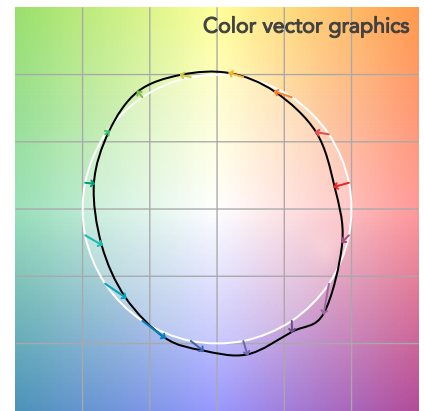
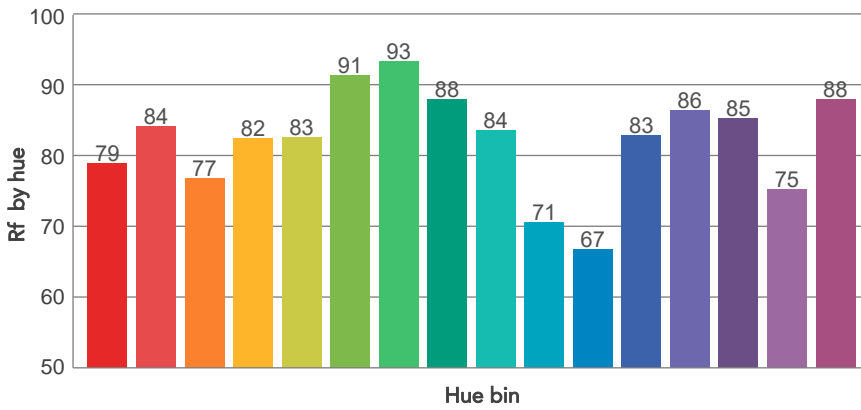
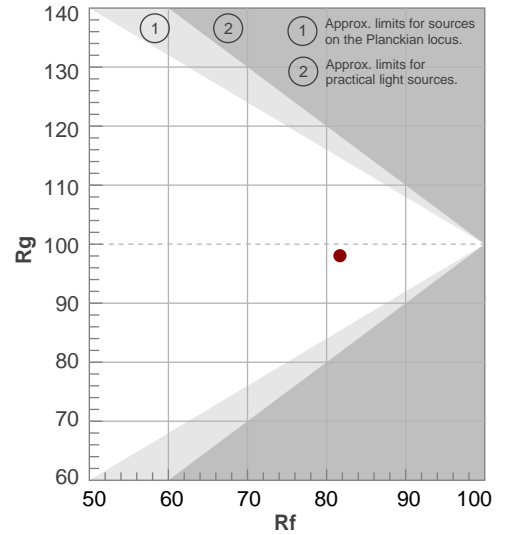
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5648 K	84,0	22,8	81,7	98,0	79,6	74	0,329	0,335	-0,0051

TM30 DETAILS

Rf 81,7
Fidelity index Rf

Rg 98,0
Gammut index

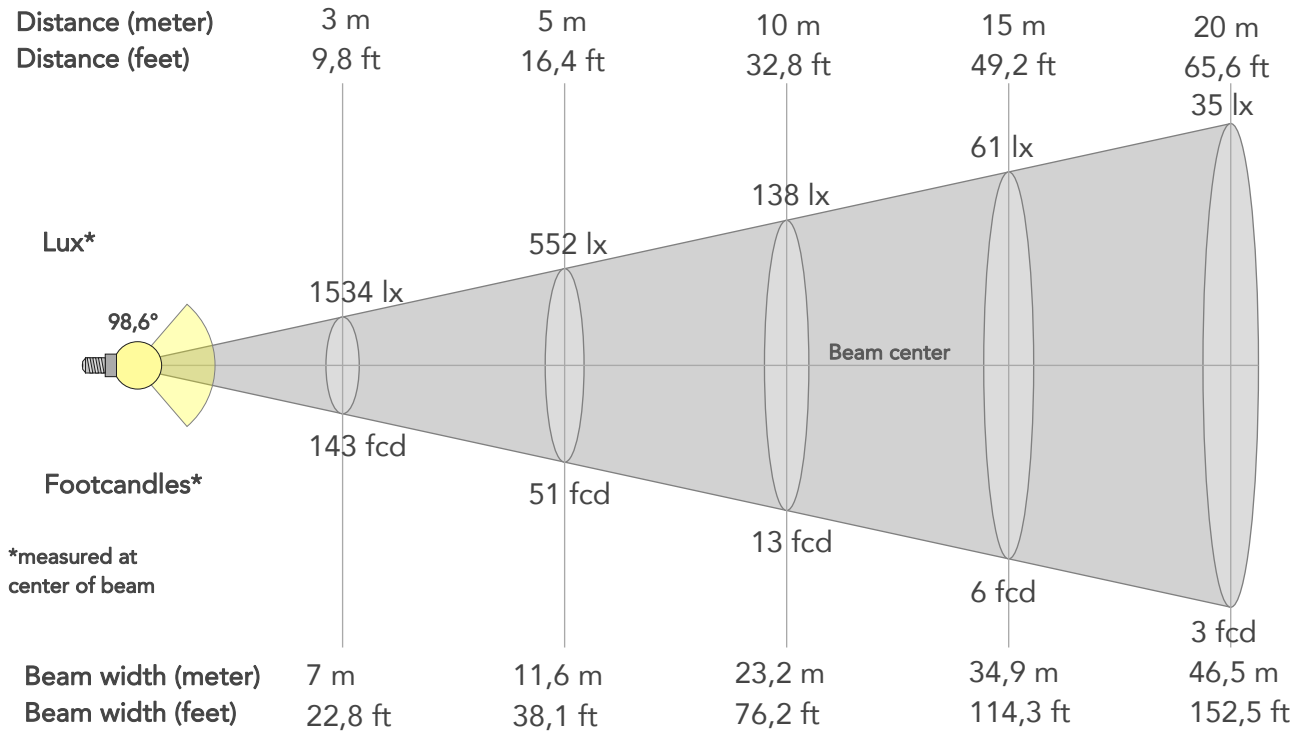
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-11%	-1%
2	84	-7%	7%
3	77	-4%	13%
4	82	1%	11%
5	83	3%	7%
6	91	5%	1%
7	93	-1%	-3%
8	88	-7%	-1%
9	84	-11%	9%
10	71	-7%	17%
11	67	1%	21%
12	83	5%	10%
13	86	10%	1%
14	85	7%	-4%
15	75	9%	-20%
16	88	-4%	-6%



BEAM DETAILS



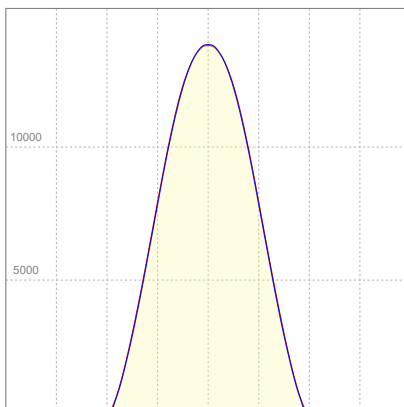
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
98,6°	152,5°	167,8°	83,5%	59,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	13810lx	3453lx	1534lx	863lx	552lx	246lx	138lx	61lx	35lx	22lx	15lx	9lx	6lx
Footcand.	1283fcd	321fcd	143fcd	80fcd	51fcd	23fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	1fcd
Beam wid.	2,3m	4,6m	7m	9,3m	11,6m	17,4m	23,2m	34,9m	46,5m	58,1m	69,7m	93m	116,2m
Beam wid.	7,7ft	15,3ft	22,8ft	30,4ft	38,1ft	57,2ft	76,2ft	114,3ft	152,5ft	190,6ft	228,7ft	304,9ft	381,2ft

LINEAR DISTRIBUTION DIAGRAM

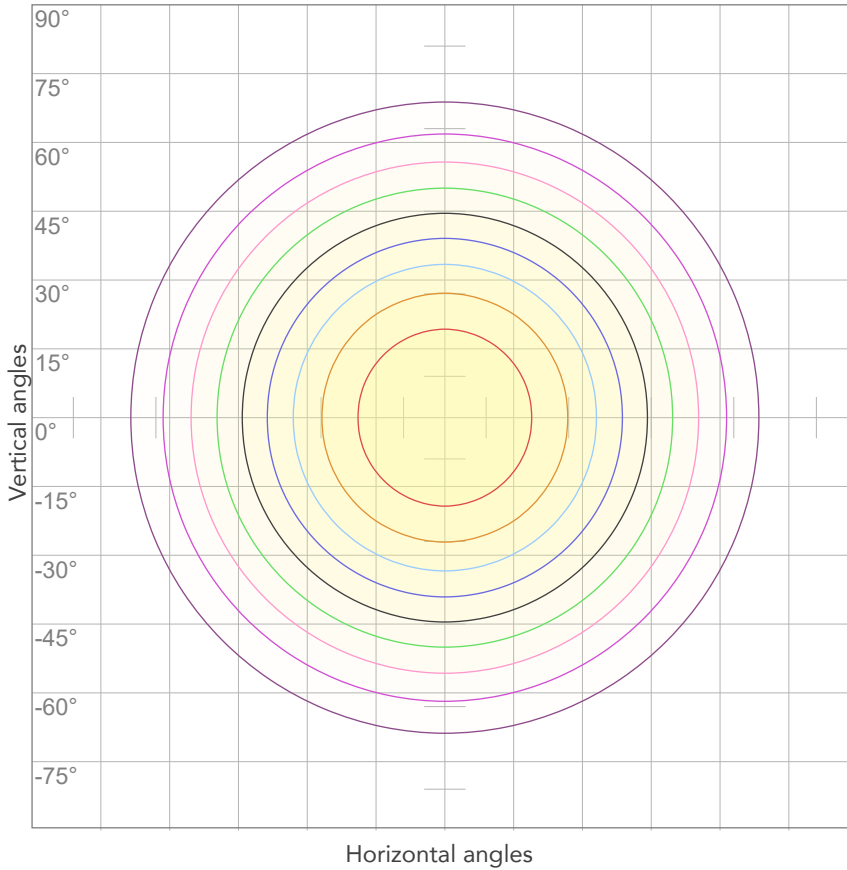


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
223V	1,35A	300W	0,99	111lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



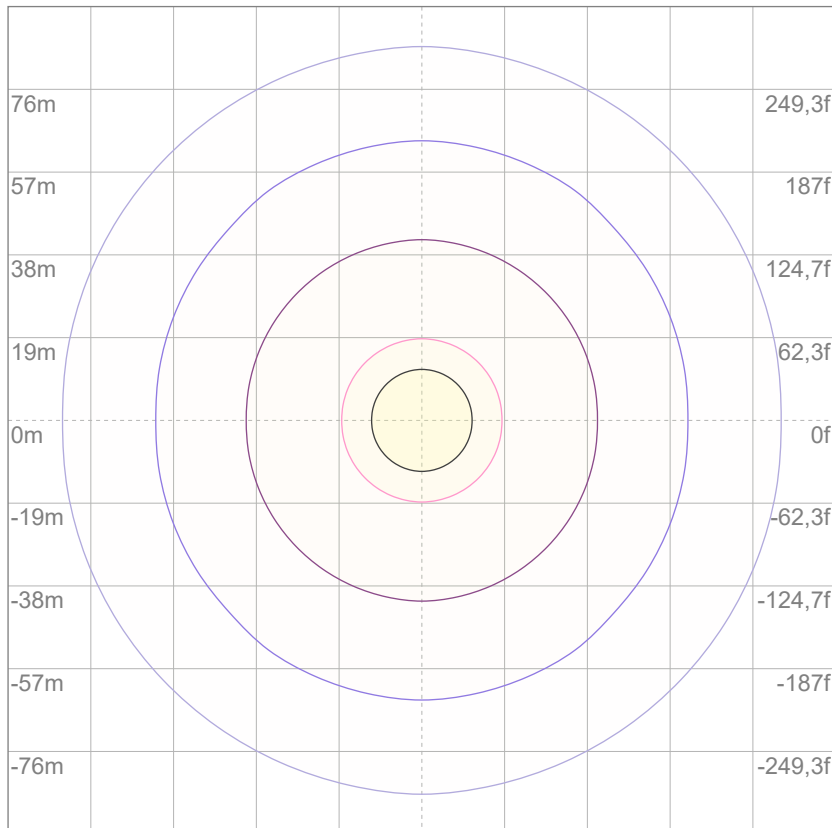
10%	1381 cd
20%	2762 cd
30%	4143 cd
40%	5524 cd
50%	6905 cd
60%	8286 cd
70%	9667 cd
80%	11048 cd

Conditions:

Number of c-planes: 4

Candela at center: 13810 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	4,14 lx
5%	6,91 lx
10%	13,8 lx
30%	41,4 lx
50%	69,1 lx

Conditions:

Number of c-planes: 4

Lux at center: 138 lx

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



Total lumen output:

29327 lm

Peak candela output:

12135 cd

Light quality:

CRI: 95,3

Color temperature:

3269 K

PRODUCT NAME:
ECLPANELIP SOFT 1X1

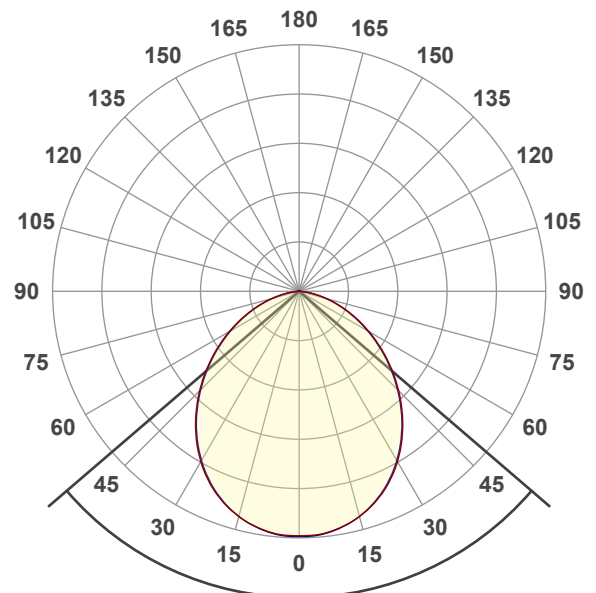
MEASURAMENT CONDITIONS:

Beam angle:
LD Filter

Target:
3200K - HQ

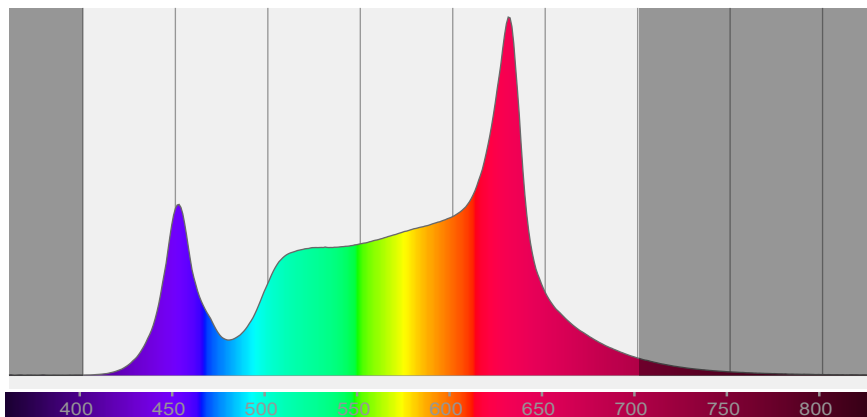
Operator:
Salvatore Giglio

Date and time:
05/09/2024 11:47:06

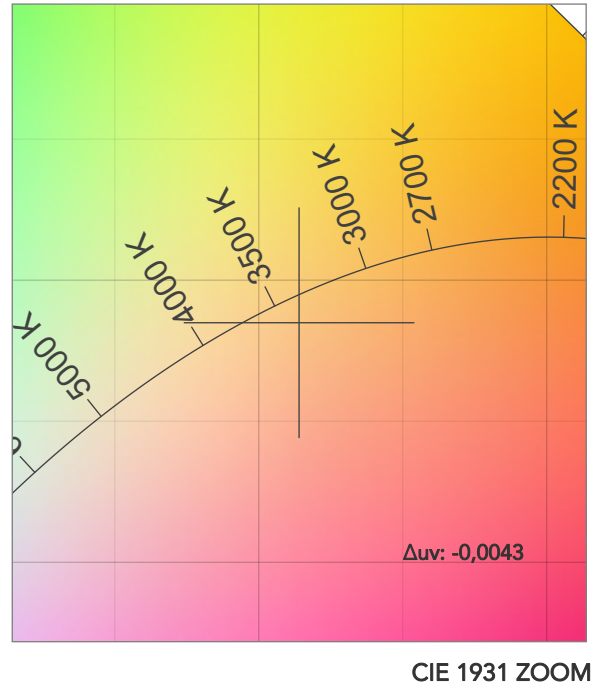
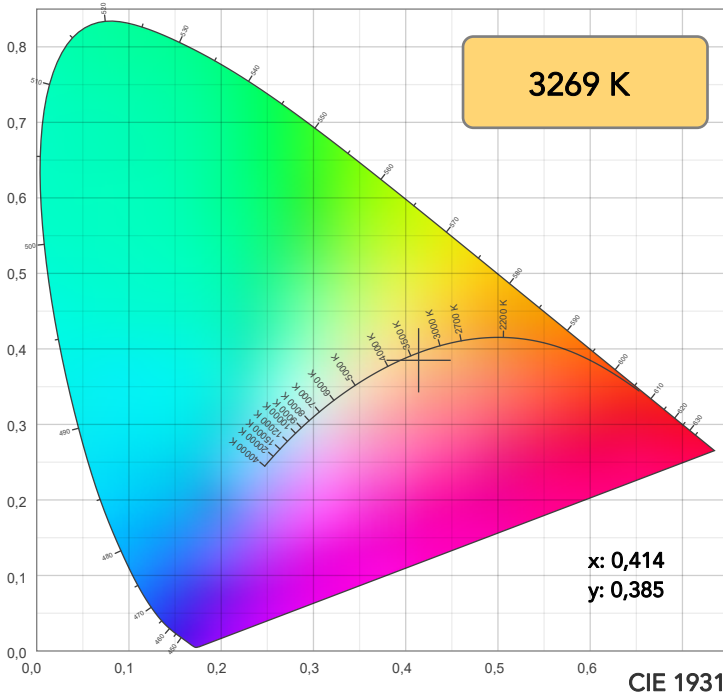


Beam angle 50%: 98,7°
Field angle 10%: 152,6°
Cut off angle 2.5%: 167,7°

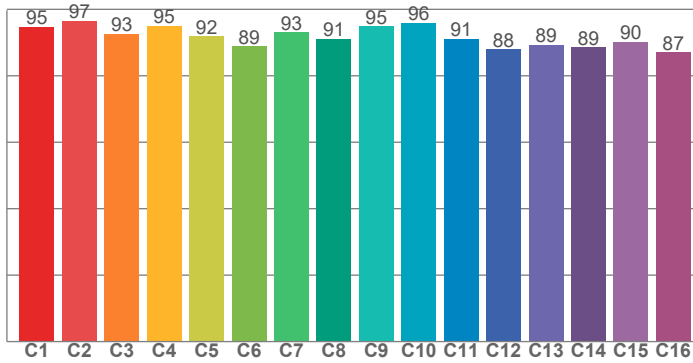
Spectra



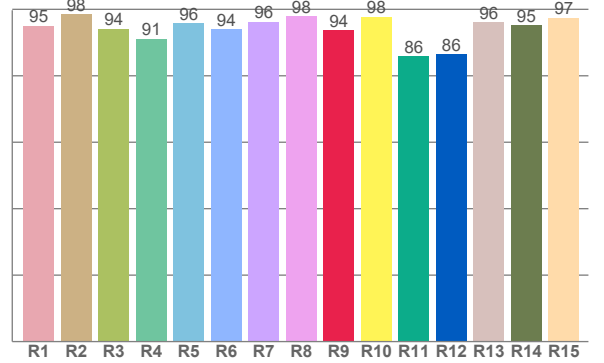
COLOR DETAILS



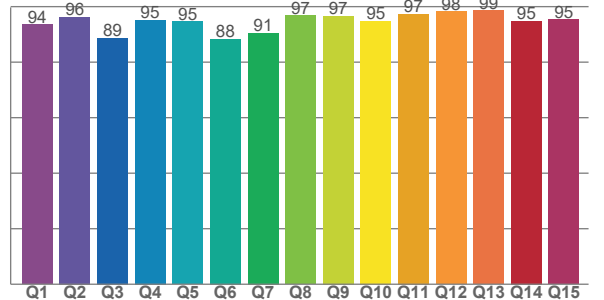
TM30: 92,3



CRI: 95,3 (R1-R8)



CQS: 93,7



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,1	98,4	94,1	91,2	95,7	94,0	96,2	97,9	93,6	97,8	85,9	86,4	96,0	95,1	97,4

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,7	96,5	92,7	95,1	91,9	88,9	93,1	91,0	94,8	96,0	91,1	87,9	89,3	88,5	90,2	87,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,6	96,2	88,7	95,1	94,6	88,4	90,5	96,8	96,6	94,8	97,4	98,3	98,6	94,8	95,3

COLOR PARAMETERS

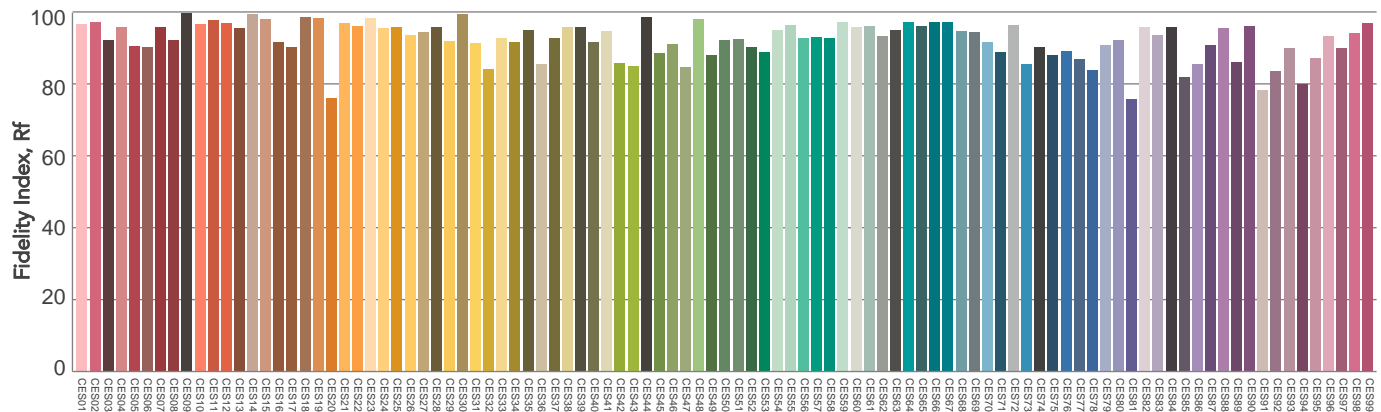
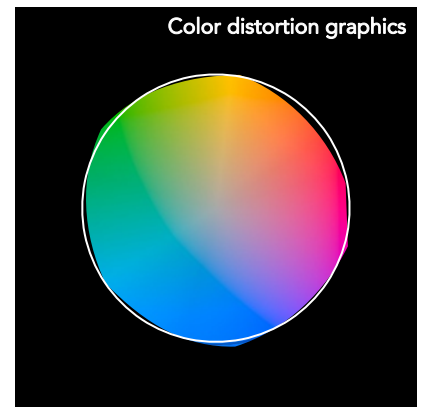
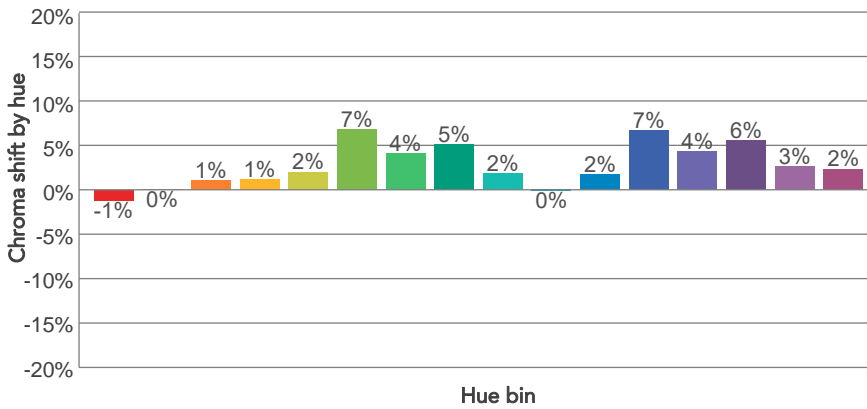
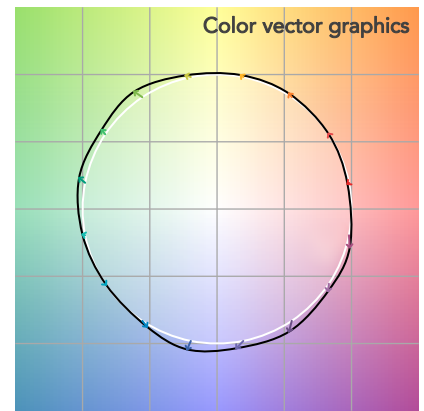
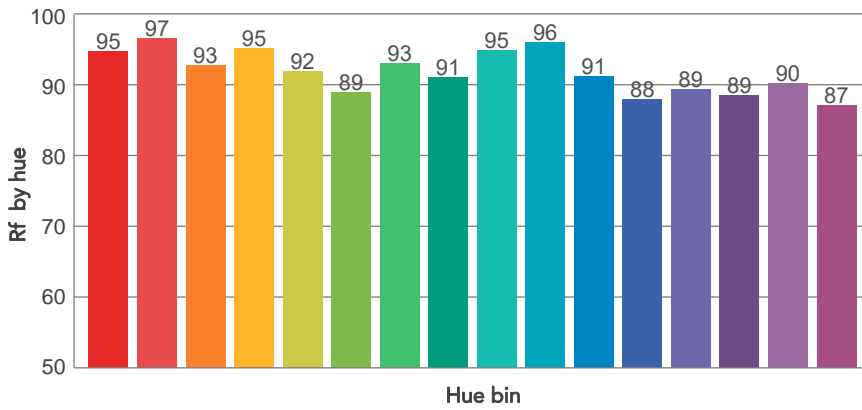
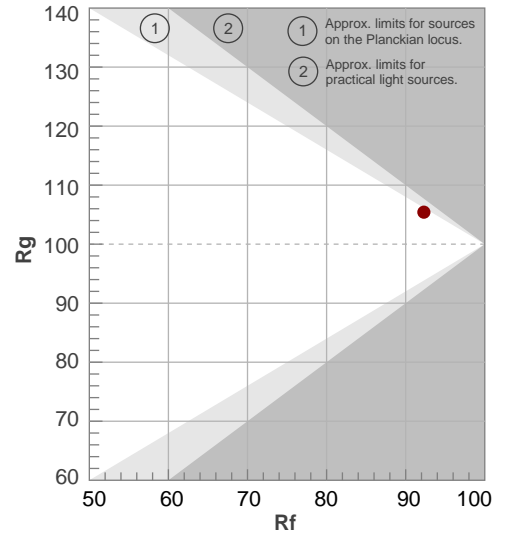
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3269 K	95,3	93,6	92,3	105,4	93,7	85	0,414	0,385	-0,0043

TM30 DETAILS

Rf 92,3
Fidelity index Rf

Rg 105,4
Gammut index

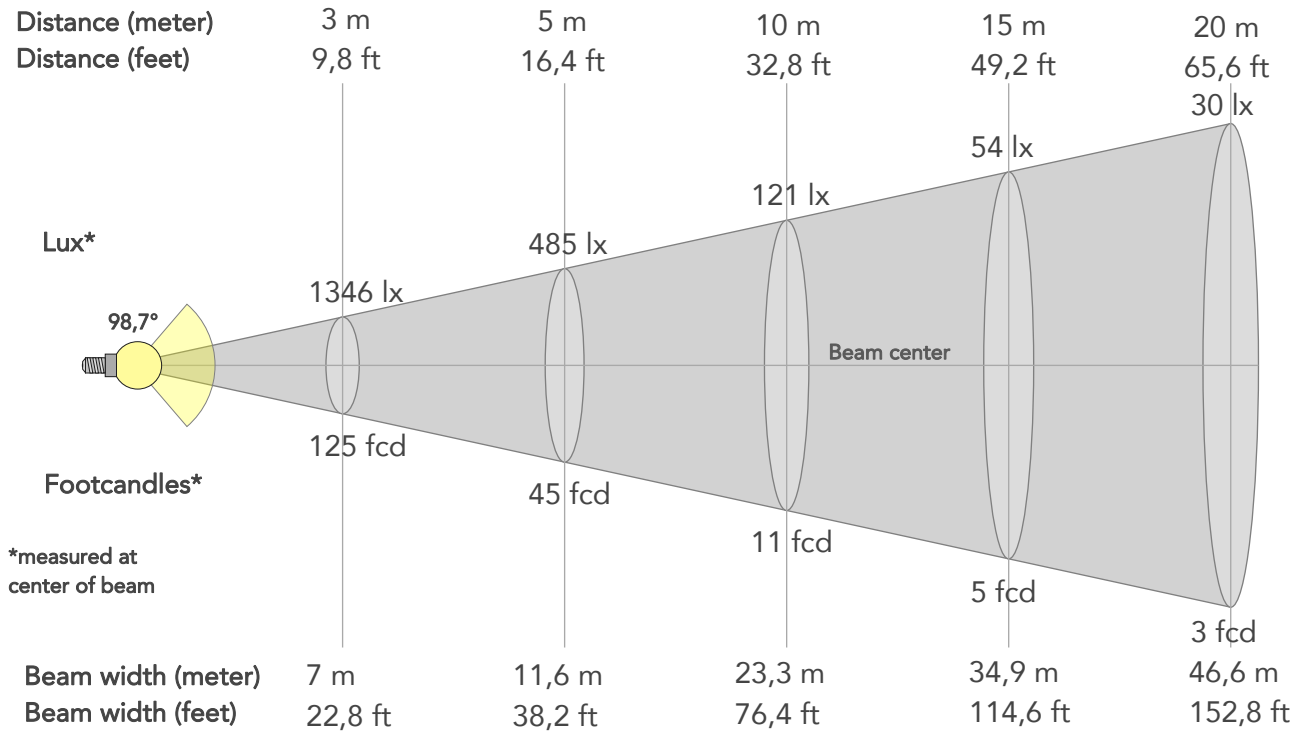
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-1%
2	97	0%	1%
3	93	1%	3%
4	95	1%	2%
5	92	2%	4%
6	89	7%	3%
7	93	4%	-1%
8	91	5%	-3%
9	95	2%	-1%
10	96	0%	1%
11	91	2%	5%
12	88	7%	-1%
13	89	4%	-6%
14	89	6%	-6%
15	90	3%	-5%
16	87	2%	-9%



BEAM DETAILS



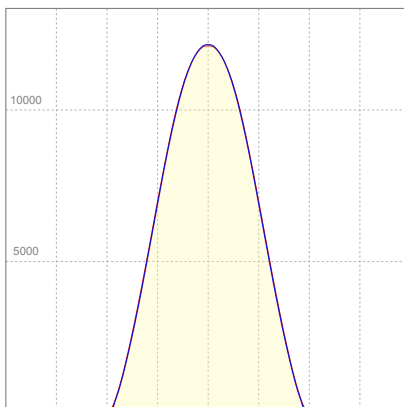
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
98,7°	152,6°	167,7°	83,5%	59,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	12116lx	3029lx	1346lx	757lx	485lx	215lx	121lx	54lx	30lx	19lx	13lx	8lx	5lx
Footcand.	1126fcd	281fcd	125fcd	70fcd	45fcd	20fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	2,3m	4,7m	7m	9,3m	11,6m	17,5m	23,3m	34,9m	46,6m	58,2m	69,9m	93,2m	116,5m
Beam wid.	7,7ft	15,4ft	22,8ft	30,5ft	38,2ft	57,3ft	76,4ft	114,6ft	152,8ft	191ft	229,2ft	305,7ft	382,1ft

LINEAR DISTRIBUTION DIAGRAM

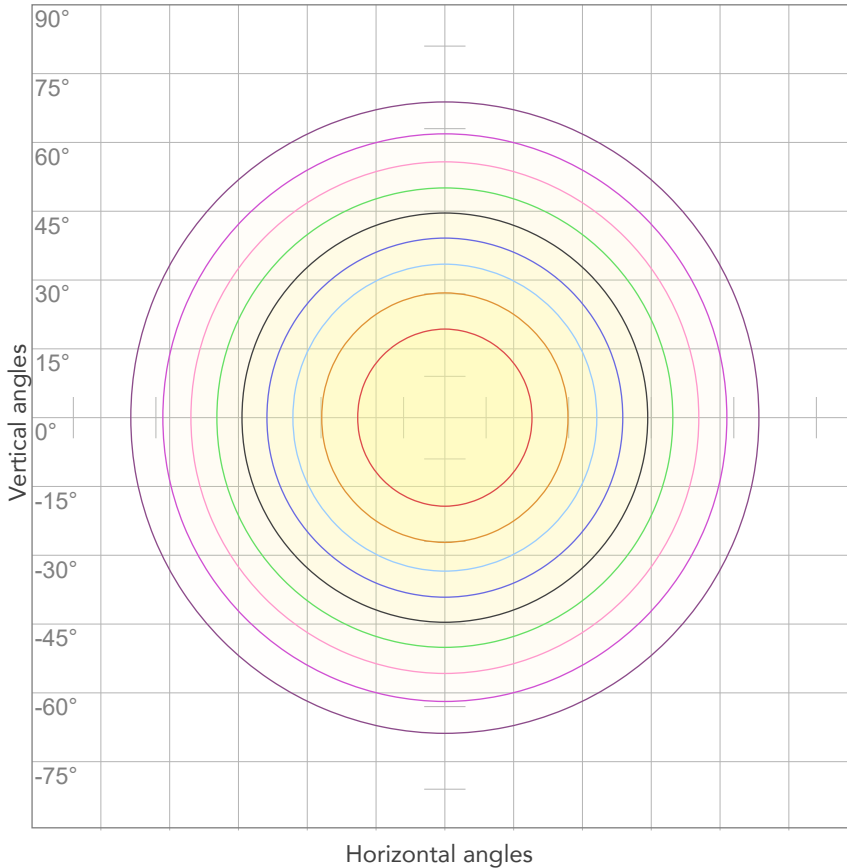


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	1,22A	273W	0,99	107lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



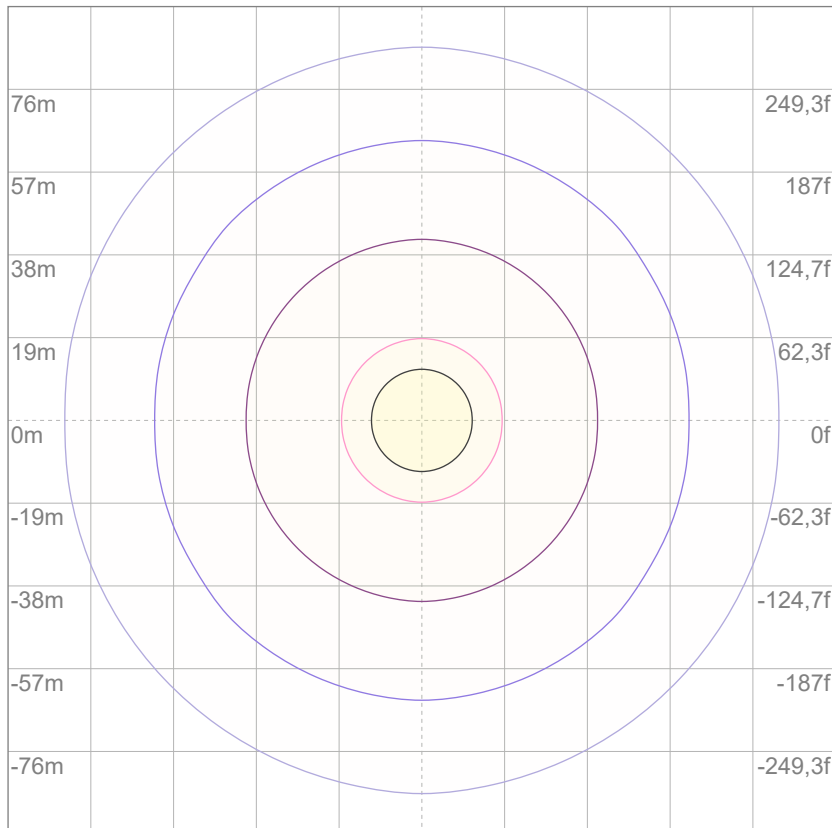
10%	1212 cd
20%	2423 cd
30%	3635 cd
40%	4846 cd
50%	6058 cd
60%	7270 cd
70%	8481 cd
80%	9693 cd

Conditions:

Number of c-planes: 4

Candela at center: 12116 cd

ISO LUX DIAGRAM



3%	3,63 lx
5%	6,06 lx
10%	12,1 lx
30%	36,3 lx
50%	60,6 lx

Conditions:

Number of c-planes: 4

Lux at center: 121 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:

27954 lm

Peak candela output:

11516 cd

Light quality:

CRI: 95,7

Color temperature:

5640 K

PRODUCT NAME:
ECLPANELIP SOFT 1X1

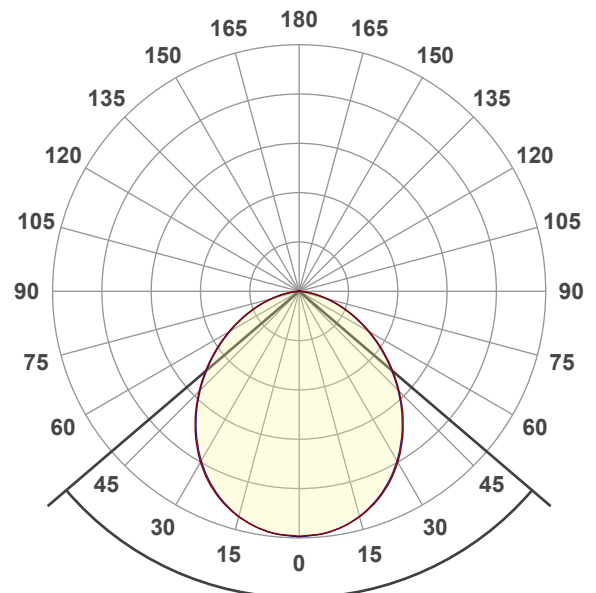
MEASURAMENT CONDITIONS:

Beam angle:
LD Filter

Target:
5600K - HQ

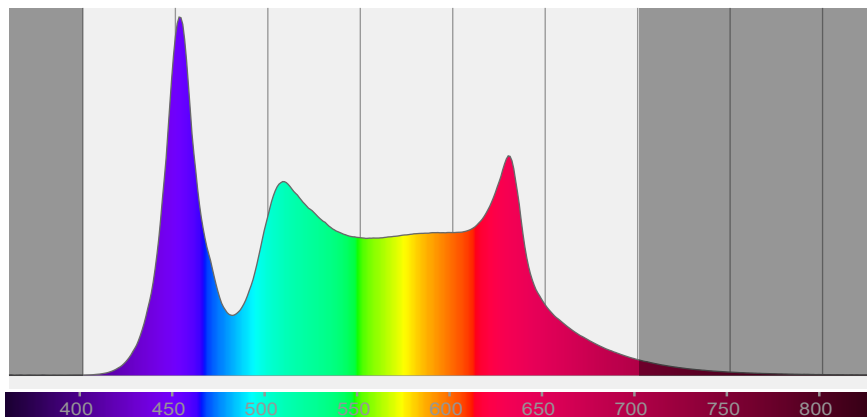
Operator:
Salvatore Giglio

Date and time:
05/09/2024 11:51:10

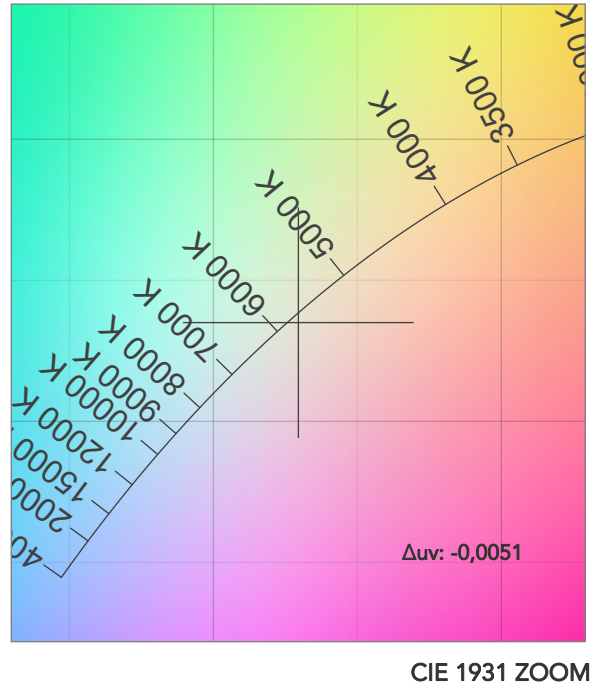
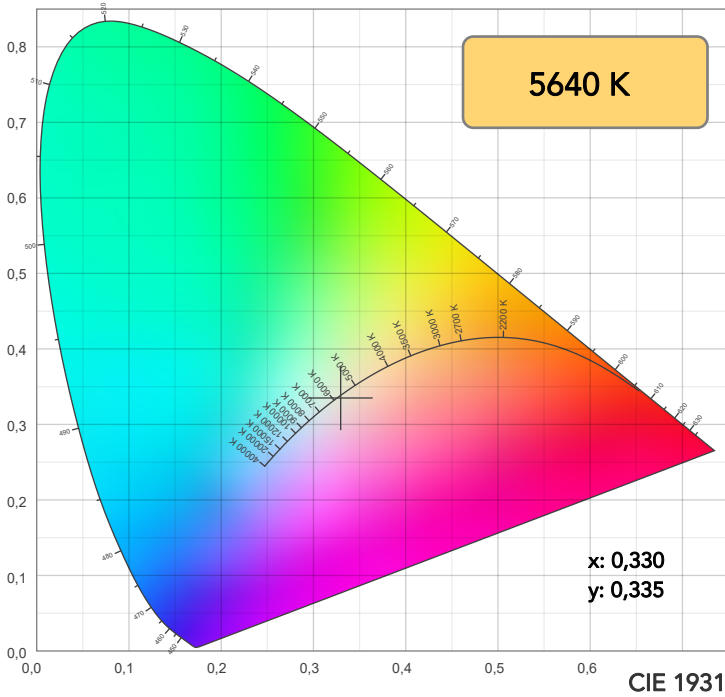


Beam angle 50%: 99°
Field angle 10%: 152,7°
Cut off angle 2.5%: 168°

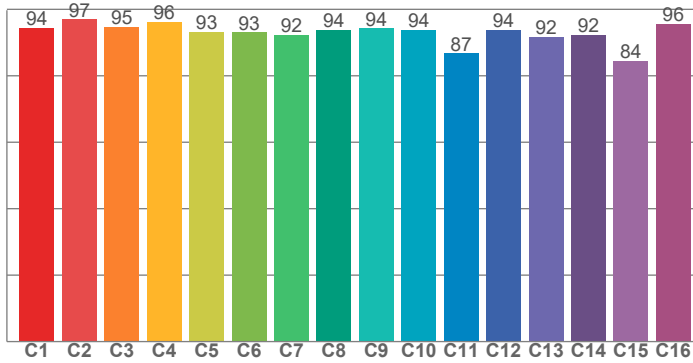
Spectra



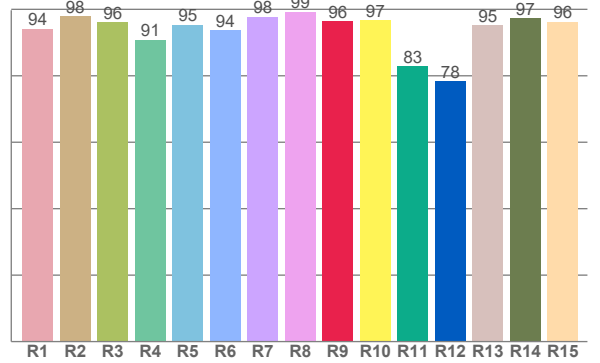
COLOR DETAILS



TM30: 92,8



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
94,1	98,0	96,2	90,9	95,4	93,7	97,8	99,2	96,3	96,6	82,9	78,3	95,1	97,3	96,3

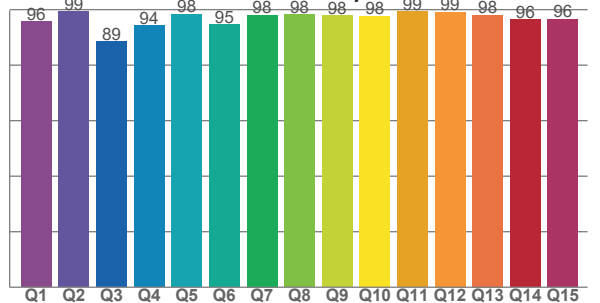
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,4	96,9	94,7	96,2	93,1	93,1	92,3	93,8	94,3	93,8	86,8	93,8	91,8	92,4	84,5	95,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,7	99,3	88,5	94,3	98,3	94,6	98,1	98,2	97,9	97,8	99,2	99,2	98,1	96,4	96,5

CQS: 95,8



COLOR PARAMETERS

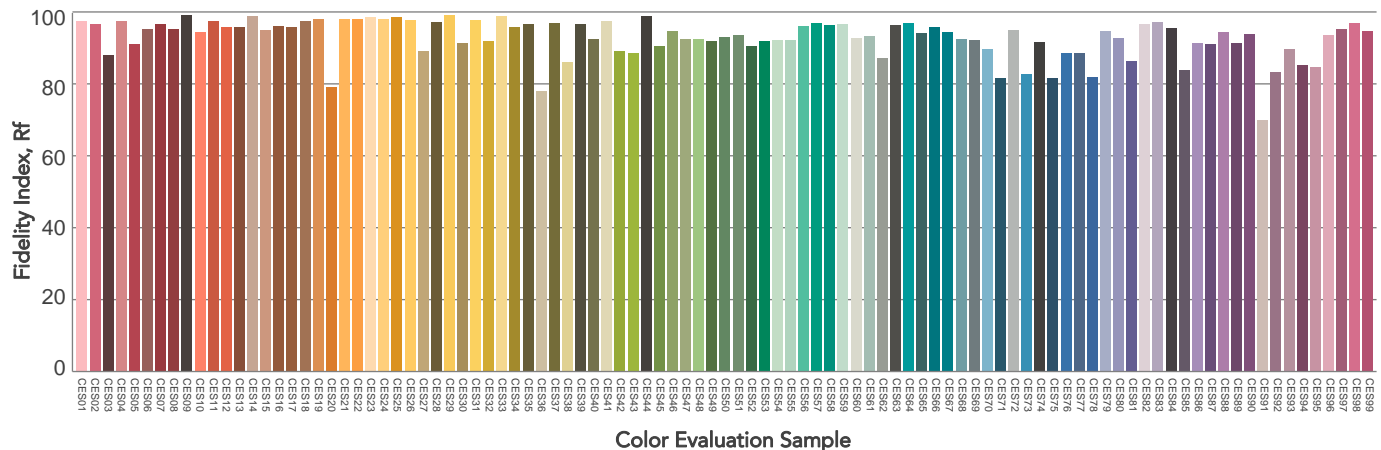
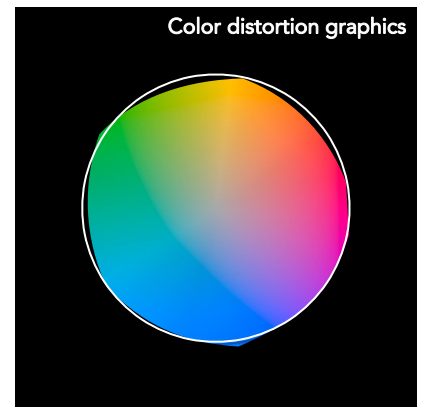
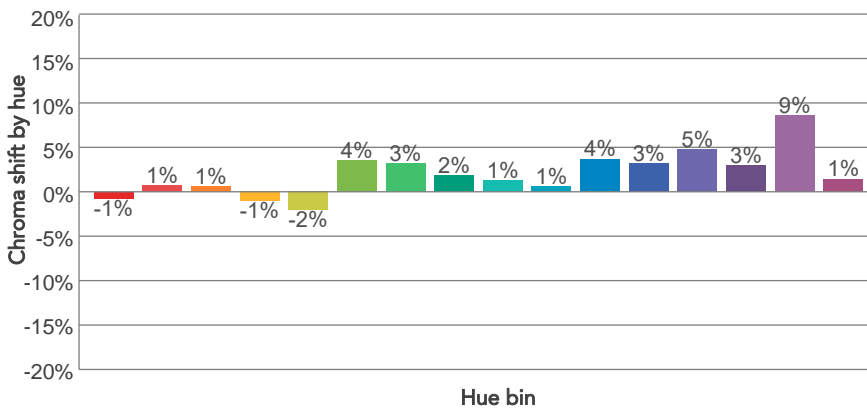
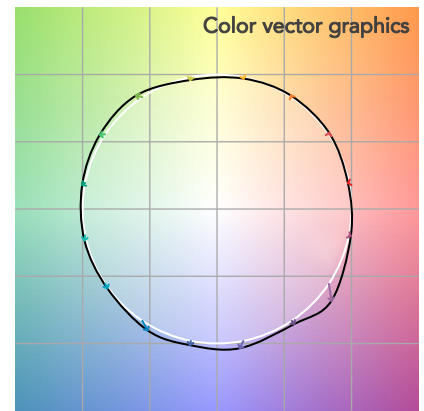
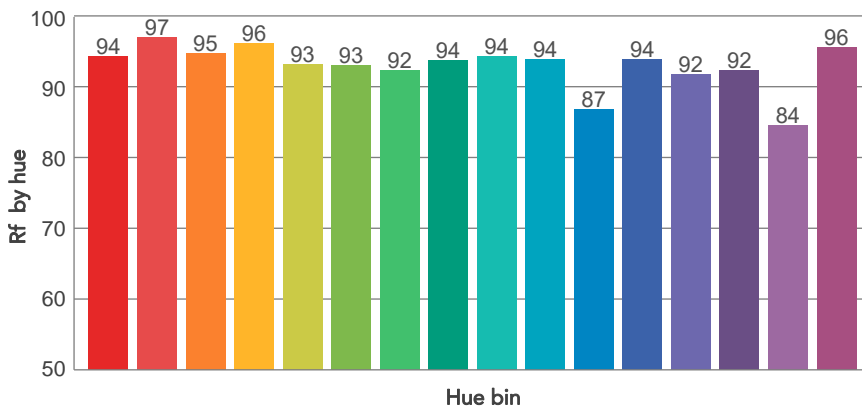
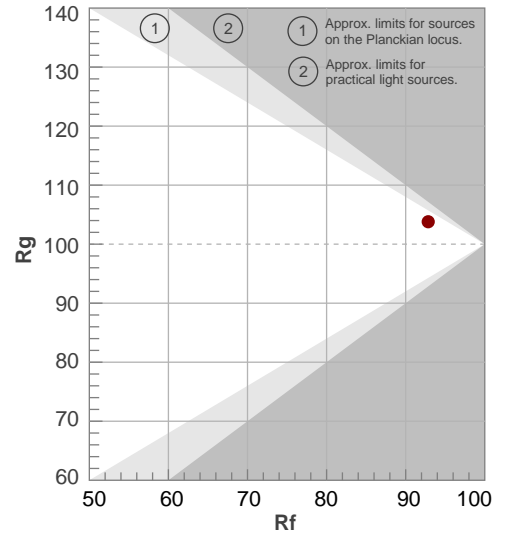
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5640 K	95,7	96,3	92,8	103,8	95,8	92	0,330	0,335	-0,0051

TM30 DETAILS

Rf 92,8
Fidelity index Rf

Rg 103,8
Gammut index

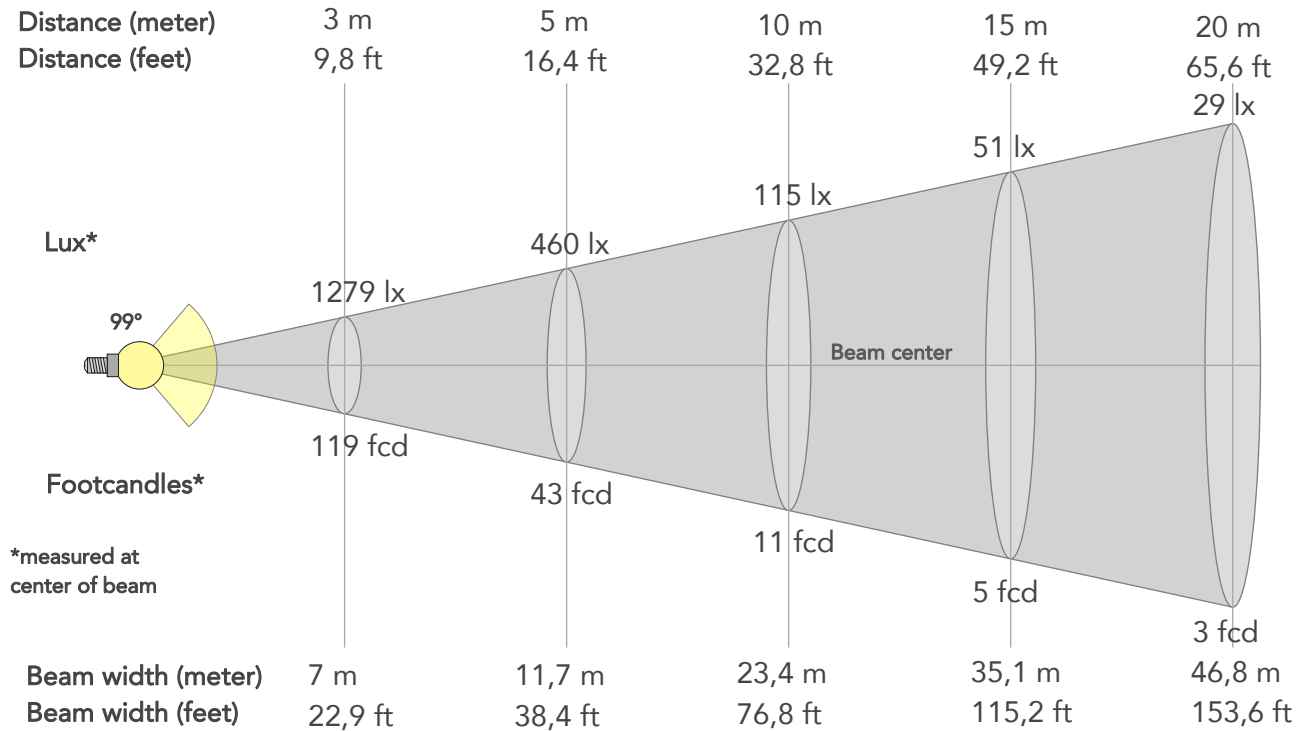
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-1%	0%
2	97	1%	1%
3	95	1%	1%
4	96	-1%	-1%
5	93	-2%	1%
6	93	4%	3%
7	92	3%	2%
8	94	2%	2%
9	94	1%	4%
10	94	1%	4%
11	87	4%	7%
12	94	3%	0%
13	92	5%	-4%
14	92	3%	0%
15	84	9%	-9%
16	96	1%	0%



BEAM DETAILS



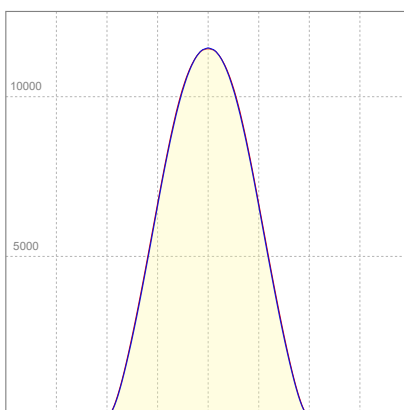
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
99°	152,7°	168°	83,4%	59,4%



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	11507lx	2877lx	1279lx	719lx	460lx	205lx	115lx	51lx	29lx	18lx	13lx	7lx	5lx
Footcand.	1069fcd	267fcd	119fcd	67fcd	43fcd	19fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	2,3m	4,7m	7m	9,4m	11,7m	17,6m	23,4m	35,1m	46,8m	58,5m	70,2m	93,7m	117,1m
Beam wid.	7,7ft	15,5ft	22,9ft	30,7ft	38,4ft	57,6ft	76,8ft	115,2ft	153,6ft	192ft	230,4ft	307,2ft	384ft

LINEAR DISTRIBUTION DIAGRAM

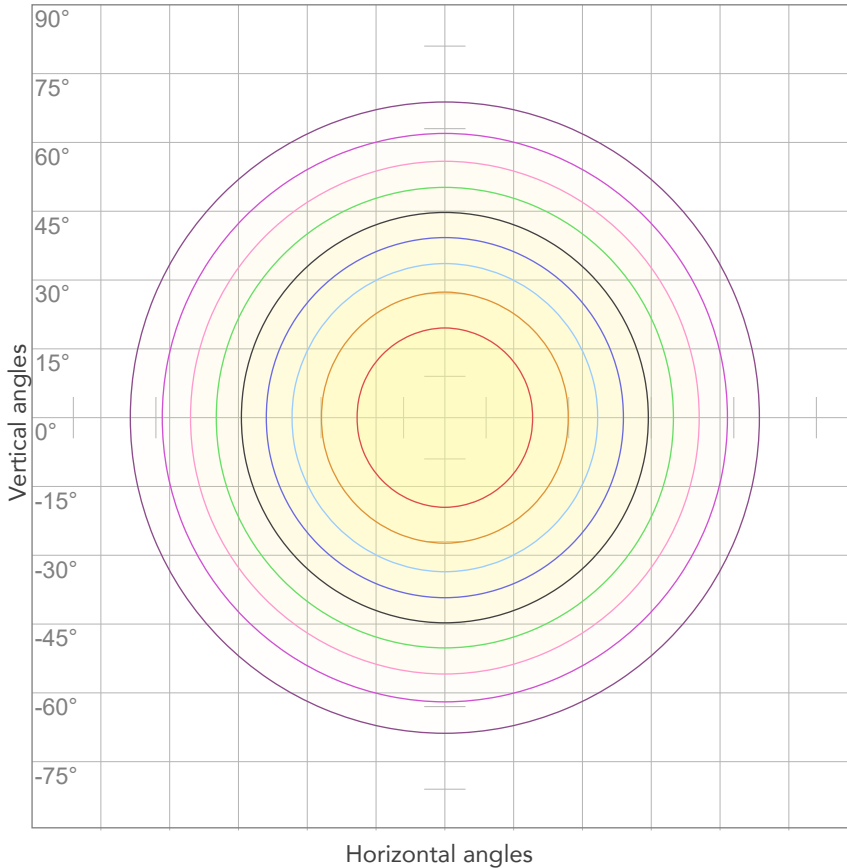


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	1,31A	294W	0,99	95lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



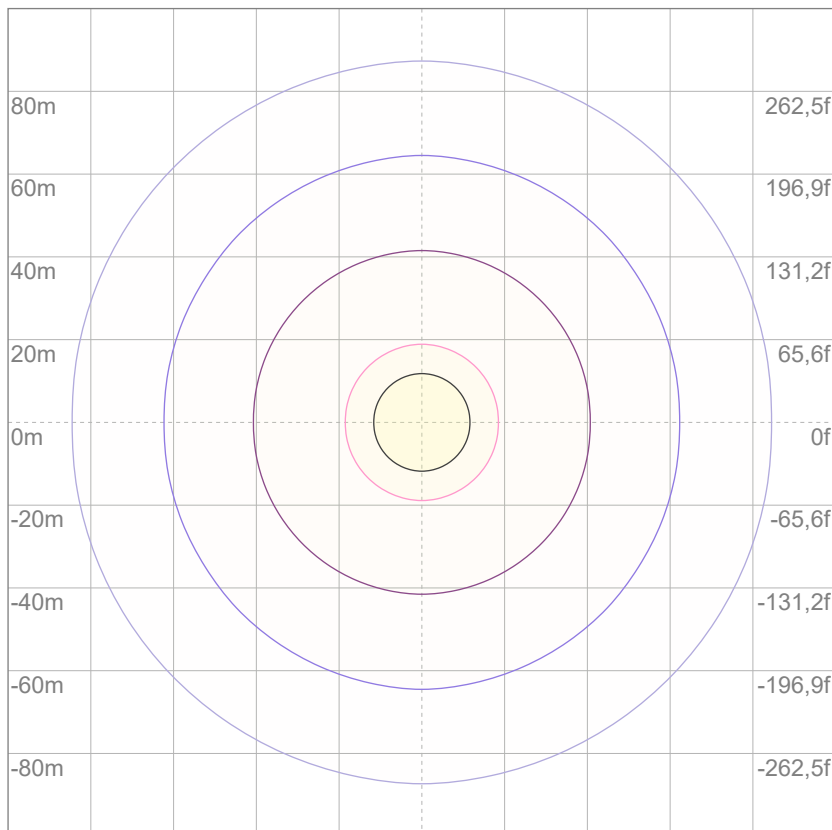
10%	1151 cd
20%	2301 cd
30%	3452 cd
40%	4603 cd
50%	5753 cd
60%	6904 cd
70%	8055 cd
80%	9205 cd

Conditions:

Number of c-planes: 4

Candela at center: 11507 cd

ISO LUX DIAGRAM



3%	3,45 lx
5%	5,75 lx
10%	11,5 lx
30%	34,5 lx
50%	57,5 lx

Conditions:

Number of c-planes: 4

Lux at center: 115 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

27526 lm

Peak candela output:

17856 cd

Light quality:

CRI: 93,0

Color temperature:

3268 K

PRODUCT NAME:
ECLPANELIP SOFT 1X1

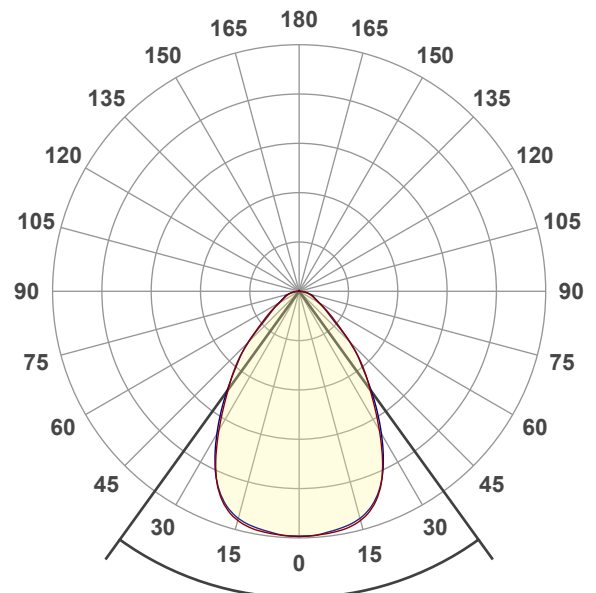
MEASURAMENT CONDITIONS:

Beam angle:
INT Filter

Target:
3200K - HB

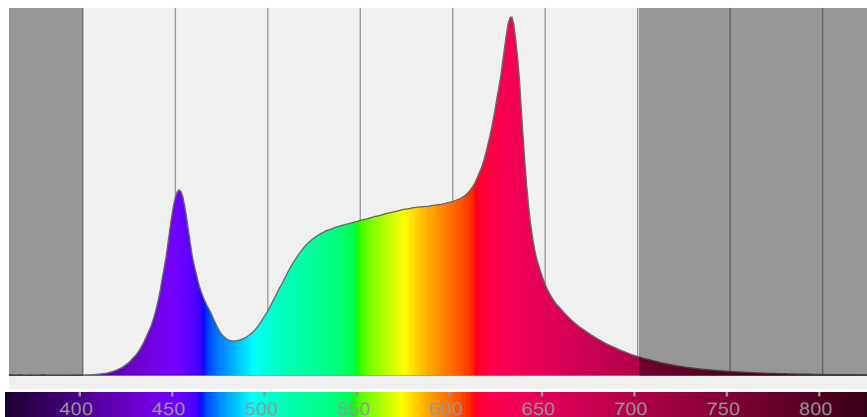
Operator:
Salvatore Giglio

Date and time:
04/09/2024 15:02:02

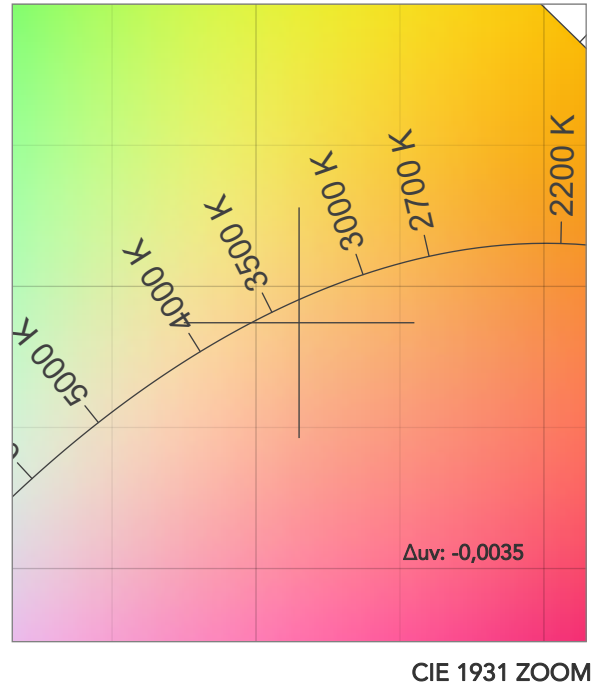
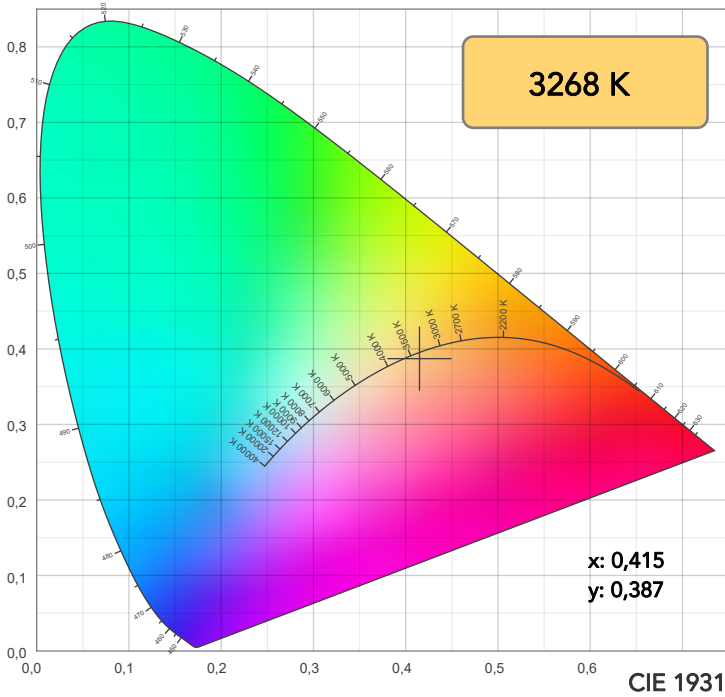


Beam angle 50%: 71,7°
Field angle 10%: 118,3°
Cut off angle 2.5%: 163,1°

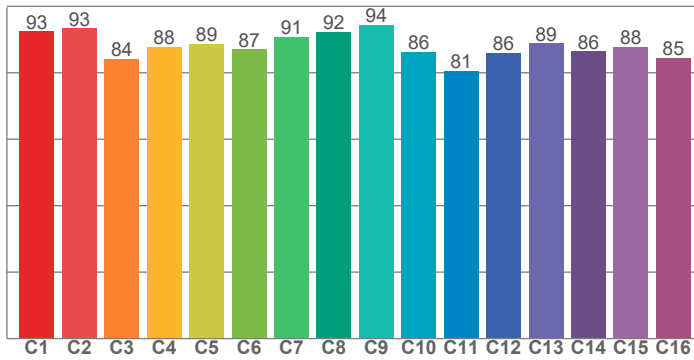
Spectra



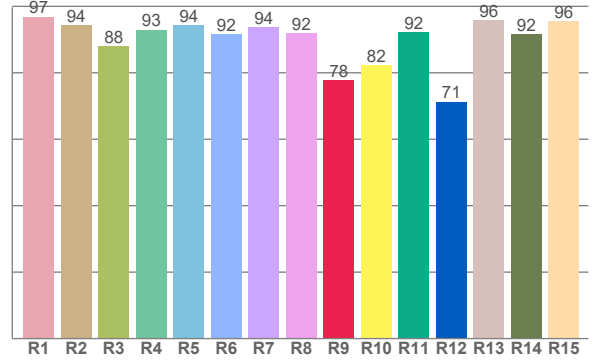
COLOR DETAILS



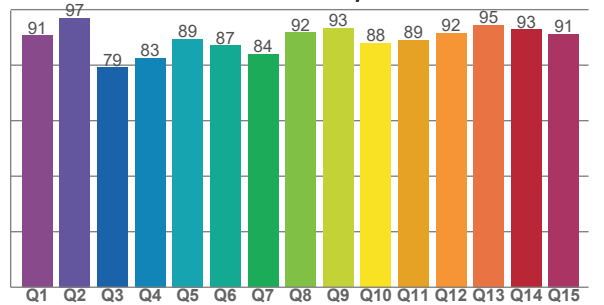
TM30: 88,3



CRI: 93,0 (R1-R8)



CQS: 88,4



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
96,9	94,2	88,1	93,0	94,4	91,6	93,8	92,0	77,8	82,4	92,2	71,3	95,8	91,6	95,6

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
92,5	93,4	84,2	87,7	88,6	87,0	90,8	92,3	94,5	86,3	80,6	86,0	88,9	86,4	87,8	84,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90,6	97,0	79,1	82,6	89,3	87,1	83,9	91,8	93,3	88,0	89,1	91,6	94,5	92,8	91,2

COLOR PARAMETERS

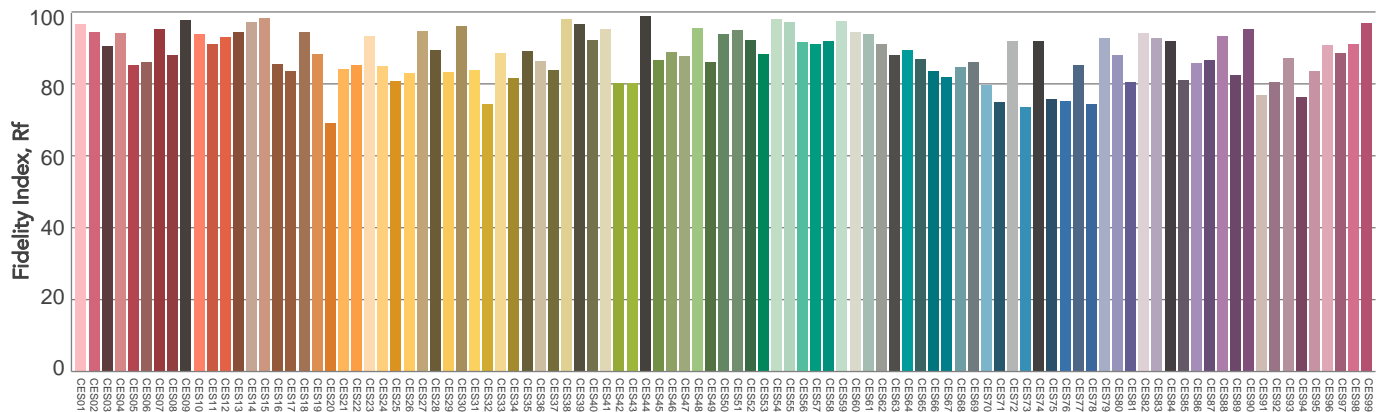
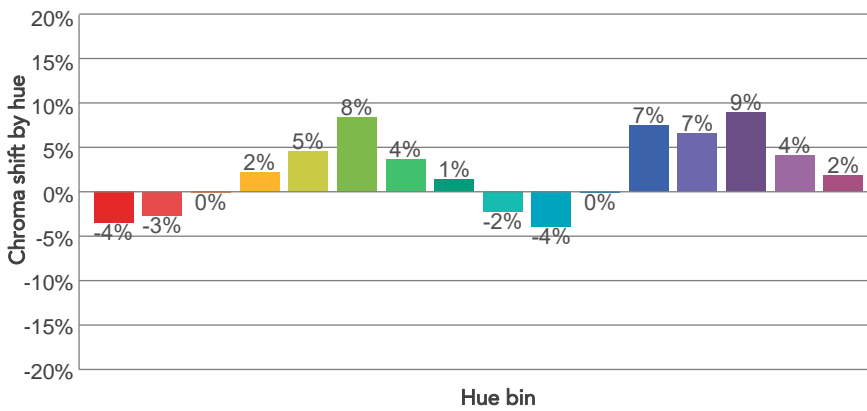
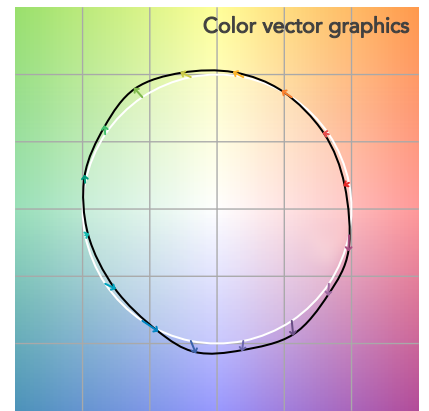
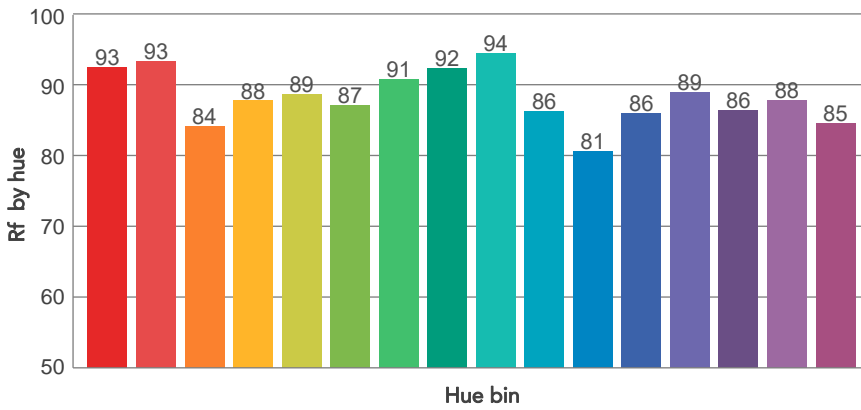
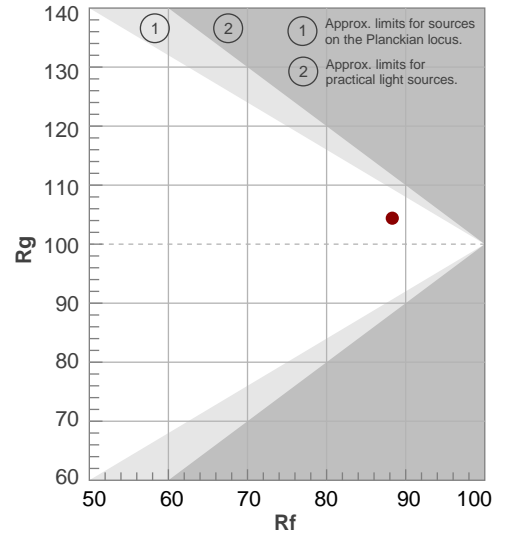
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3268 K	93,0	77,8	88,3	104,4	88,4	81	0,415	0,387	-0,0035

TM30 DETAILS

Rf 88,3
Fidelity index Rf

Rg 104,4
Gammut index

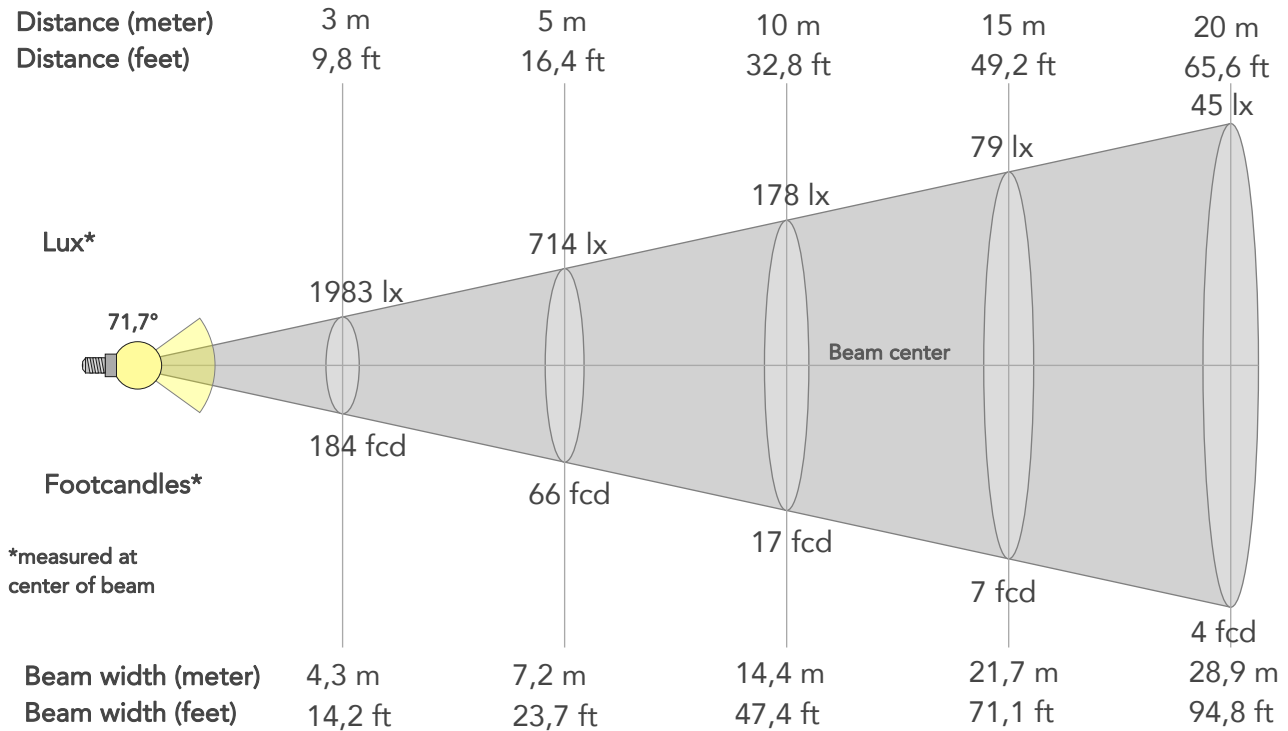
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-4%	-1%
2	93	-3%	3%
3	84	0%	8%
4	88	2%	7%
5	89	5%	6%
6	87	8%	1%
7	91	4%	-5%
8	92	1%	-5%
9	94	-2%	0%
10	86	-4%	7%
11	81	0%	13%
12	86	7%	5%
13	89	7%	-2%
14	86	9%	-5%
15	88	4%	-7%
16	85	2%	-11%



BEAM DETAILS



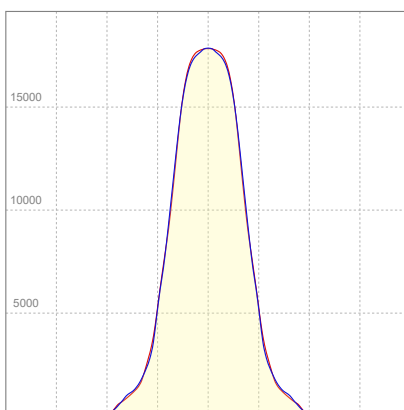
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
71,7°	118,3°	163,1°	91,0%	77,0%



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	17845lx	4461lx	1983lx	1115lx	714lx	317lx	178lx	79lx	45lx	29lx	20lx	11lx	7lx
Footcand.	1658fcd	414fcd	184fcd	104fcd	66fcd	29fcd	17fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	1,4m	2,9m	4,3m	5,8m	7,2m	10,8m	14,4m	21,7m	28,9m	36,1m	43,3m	57,8m	72,2m
Beam wid.	4,8ft	9,5ft	14,2ft	18,9ft	23,7ft	35,5ft	47,4ft	71,1ft	94,8ft	118,4ft	142,1ft	189,5ft	236,9ft

LINEAR DISTRIBUTION DIAGRAM

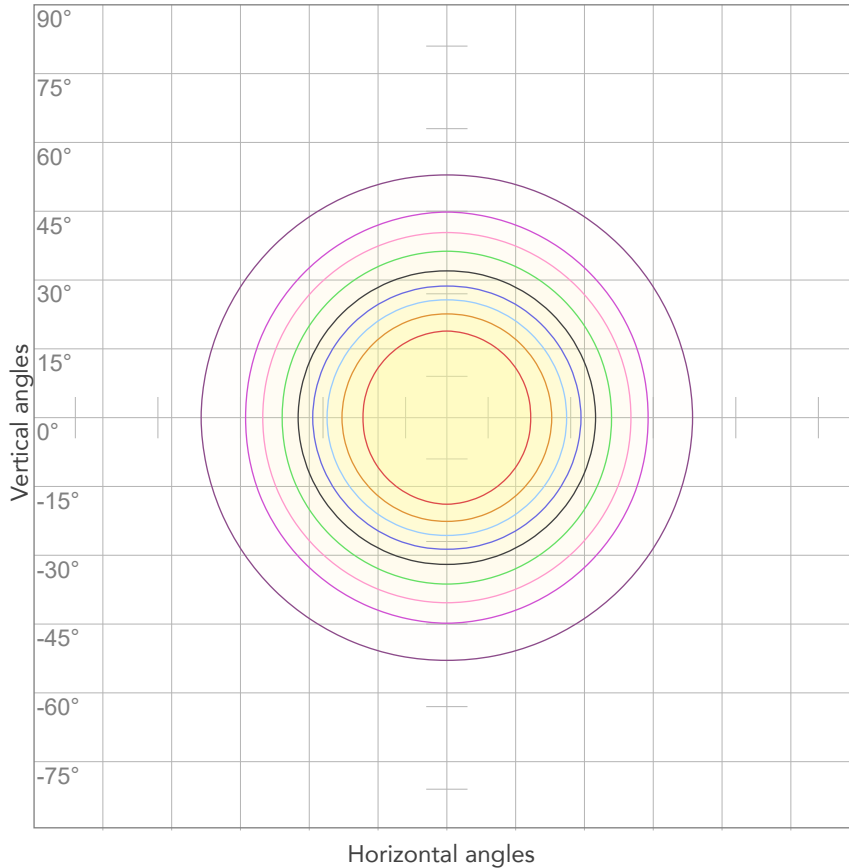


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	1,30A	291W	0,99	95lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



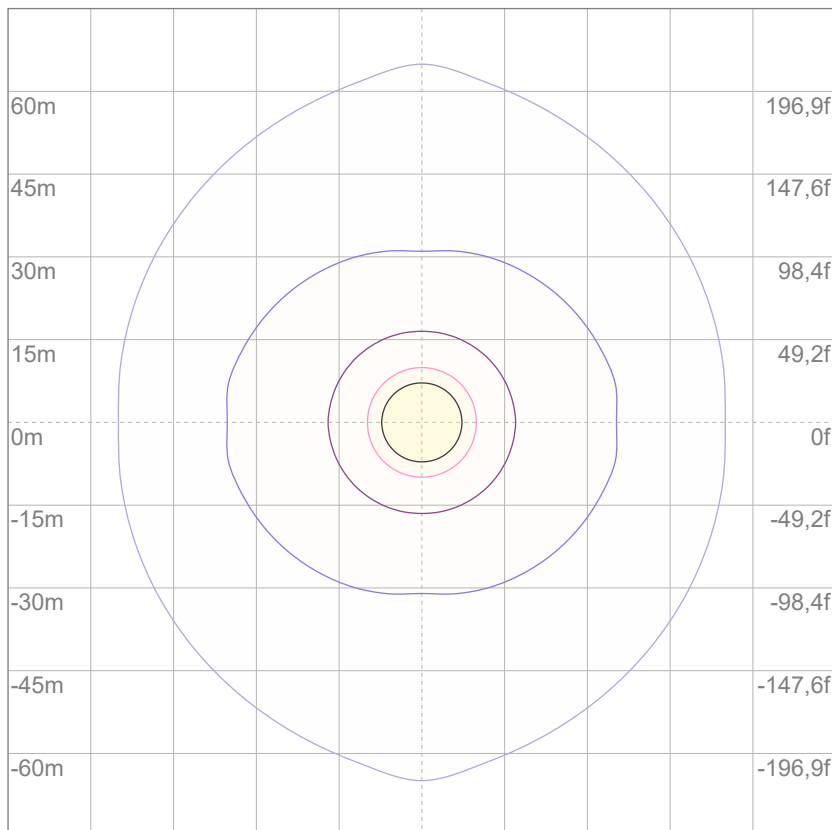
10%	1785 cd
20%	3569 cd
30%	5354 cd
40%	7138 cd
50%	8923 cd
60%	10707 cd
70%	12492 cd
80%	14276 cd

Conditions:

Number of c-planes: 4

Candela at center: 17845 cd

ISO LUX DIAGRAM



3%	5,35 lx
5%	8,92 lx
10%	17,8 lx
30%	53,5 lx
50%	89,2 lx

Conditions:

Number of c-planes: 4

Lux at center: 178 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:

27498 lm

Peak candela output:

17851 cd

Light quality:

CRI: 83,2

Color temperature:

5612 K

PRODUCT NAME:
ECLPANELIP SOFT 1X1

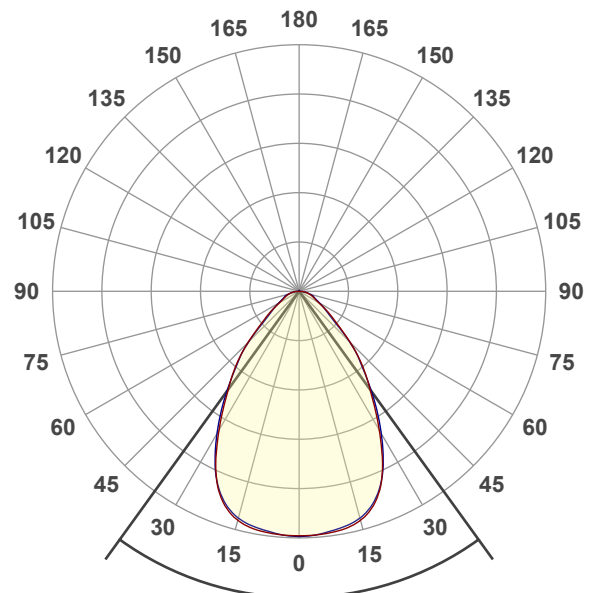
MEASURAMENT CONDITIONS:

Beam angle:
INT Filter

Target:
5600K - HB

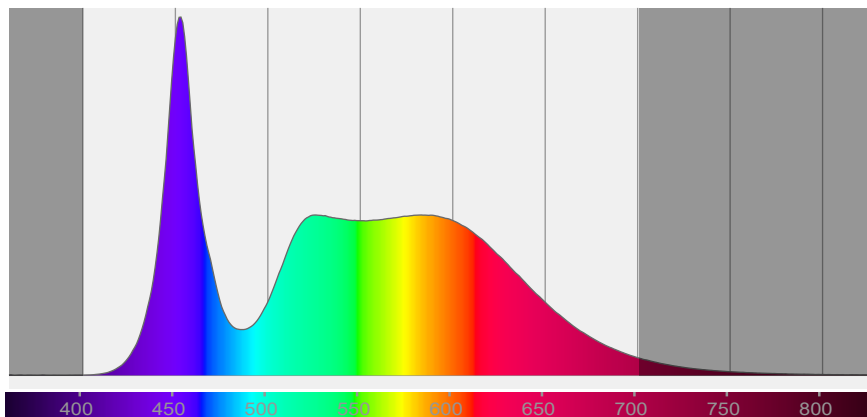
Operator:
Salvatore Giglio

Date and time:
04/09/2024 14:55:03

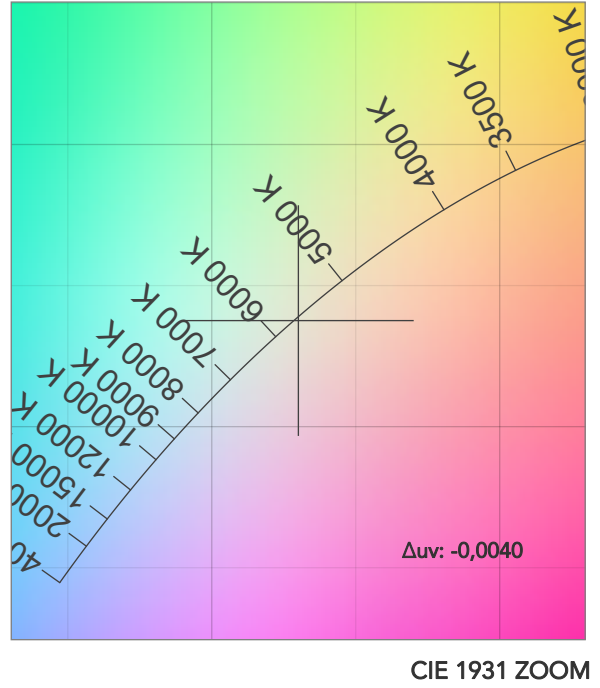
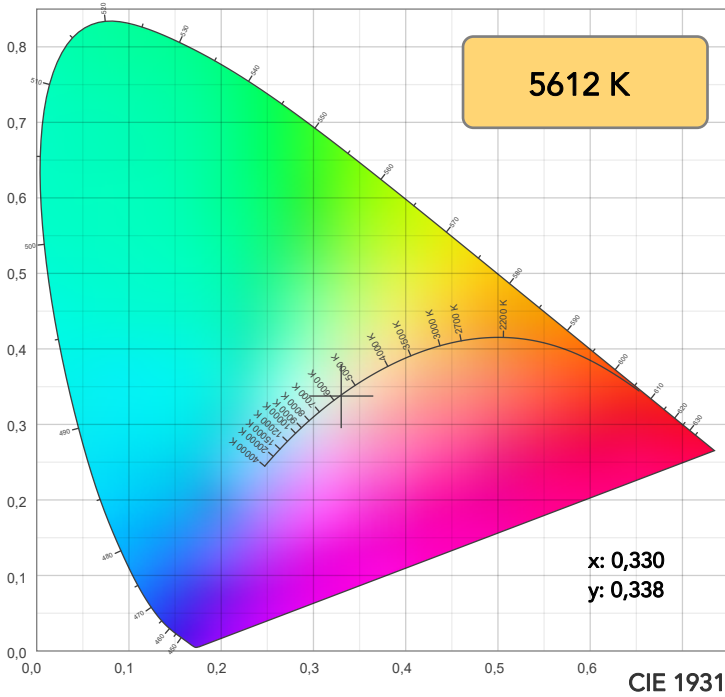


Beam angle 50%: 71,7°
Field angle 10%: 118,3°
Cut off angle 2.5%: 163,3°

Spectra

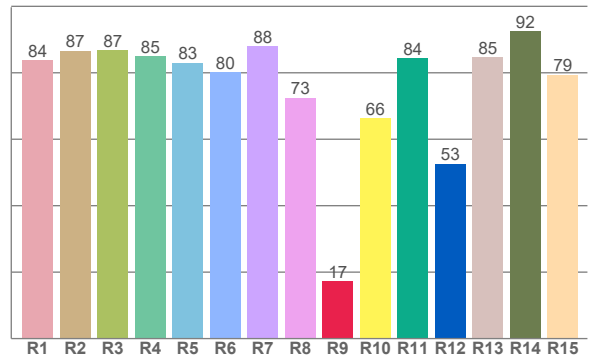
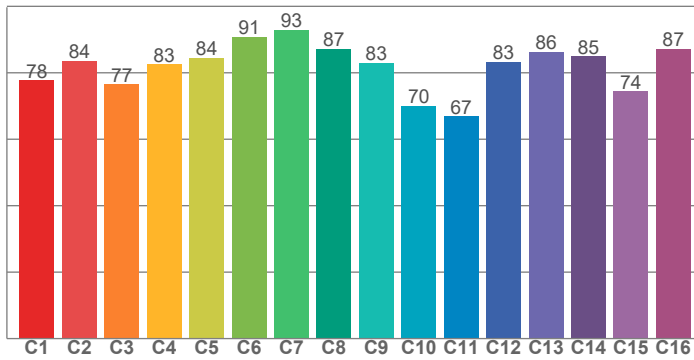


COLOR DETAILS

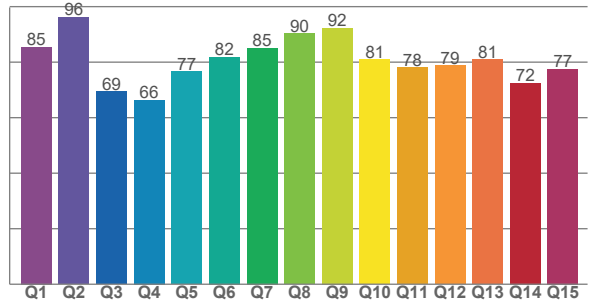


TM30: 81,4

CRI: 83,2 (R1-R8)



CQS: 79,2



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
83,8	86,7	86,8	84,9	83,0	80,2	87,9	72,5	17,2	66,2	84,3	52,6	84,7	92,5	79,4

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
77,8	83,6	76,5	82,5	84,5	90,9	92,9	87,2	83,1	70,1	66,9	83,2	86,4	85,0	74,4	87,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
85,4	96,2	69,4	66,3	76,5	81,9	85,1	90,2	92,3	80,9	78,1	78,8	80,9	72,4	77,5

COLOR PARAMETERS

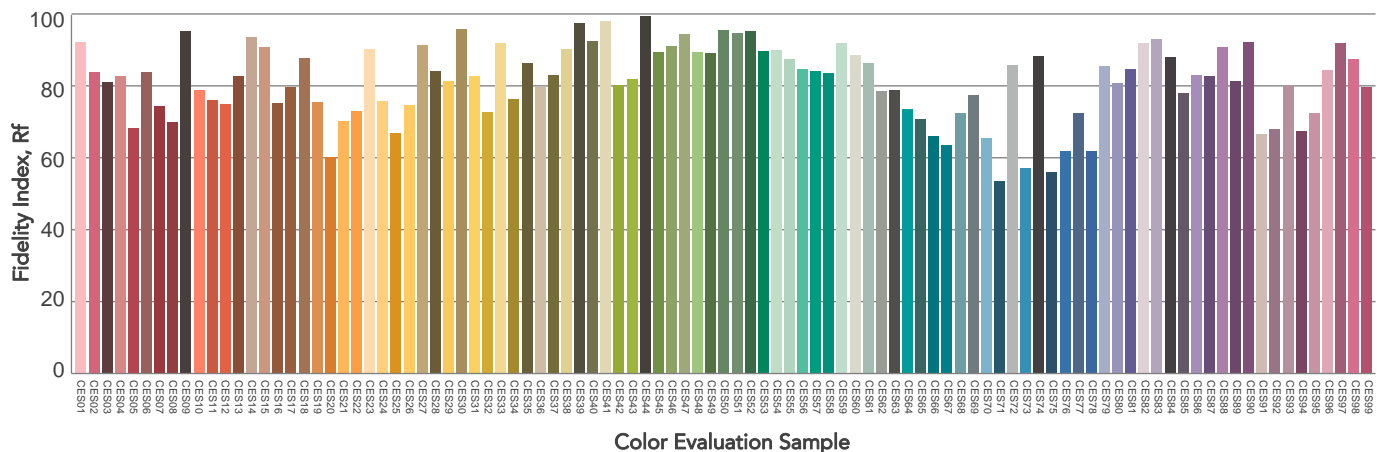
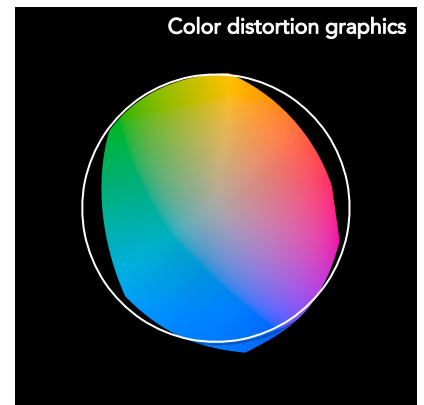
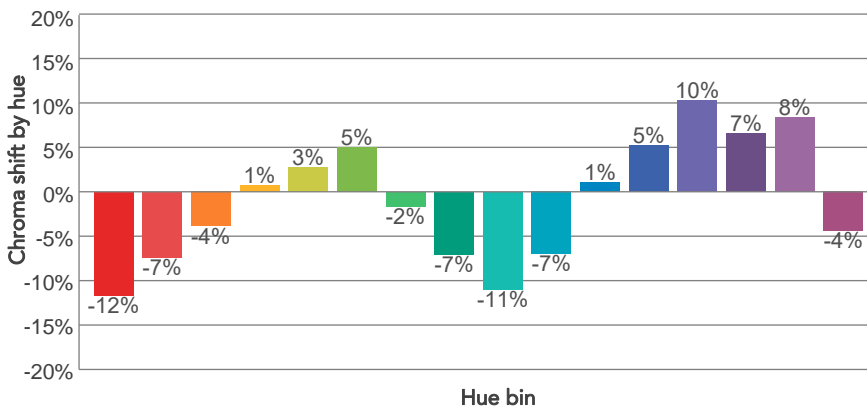
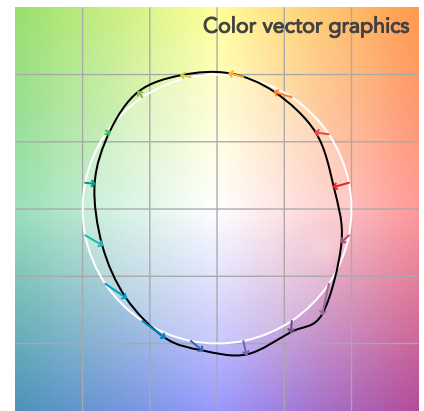
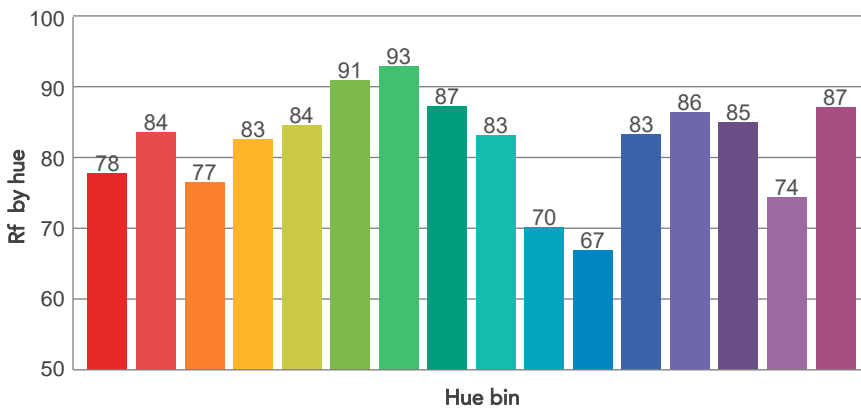
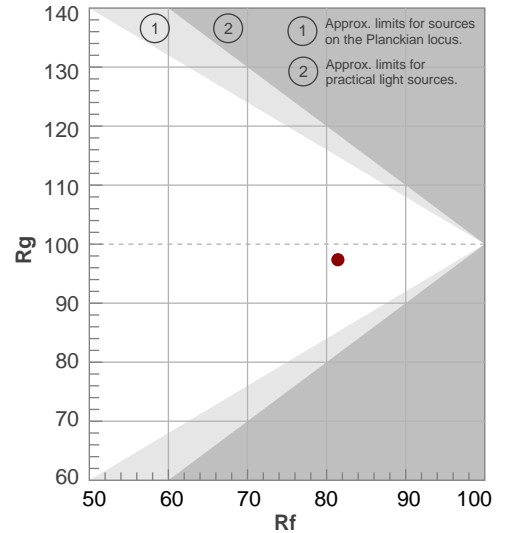
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5612 K	83,2	17,2	81,4	97,4	79,2	73	0,330	0,338	-0,0040

TM30 DETAILS

Rf 81,4
Fidelity index Rf

Rg 97,4
Gammut index

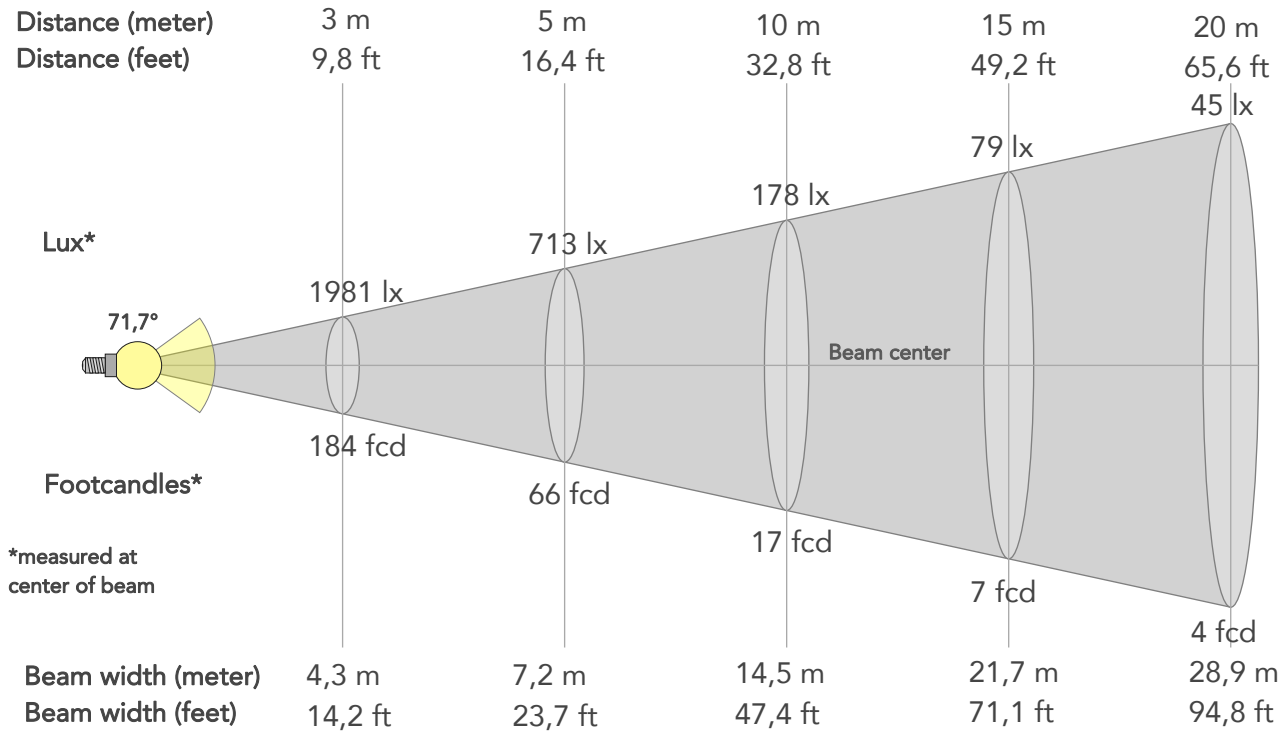
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-12%	-1%
2	84	-7%	7%
3	77	-4%	13%
4	83	1%	11%
5	84	3%	7%
6	91	5%	0%
7	93	-2%	-3%
8	87	-7%	-1%
9	83	-11%	10%
10	70	-7%	17%
11	67	1%	21%
12	83	5%	10%
13	86	10%	0%
14	85	7%	-5%
15	74	8%	-21%
16	87	-4%	-6%



BEAM DETAILS



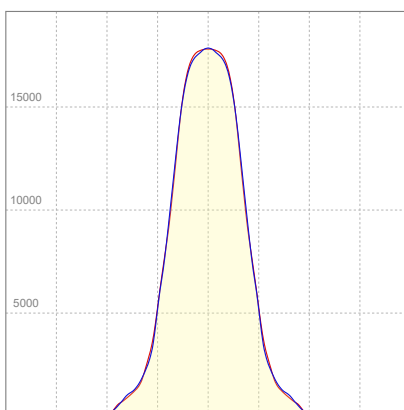
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
71,7°	118,3°	163,3°	91,0%	77,0%



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	17828lx	4457lx	1981lx	1114lx	713lx	317lx	178lx	79lx	45lx	29lx	20lx	11lx	7lx
Footcand.	1656fcd	414fcd	184fcd	104fcd	66fcd	29fcd	17fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	1,4m	2,9m	4,3m	5,8m	7,2m	10,8m	14,5m	21,7m	28,9m	36,1m	43,4m	57,8m	72,3m
Beam wid.	4,8ft	9,5ft	14,2ft	18,9ft	23,7ft	35,6ft	47,4ft	71,1ft	94,8ft	118,5ft	142,2ft	189,6ft	237ft

LINEAR DISTRIBUTION DIAGRAM

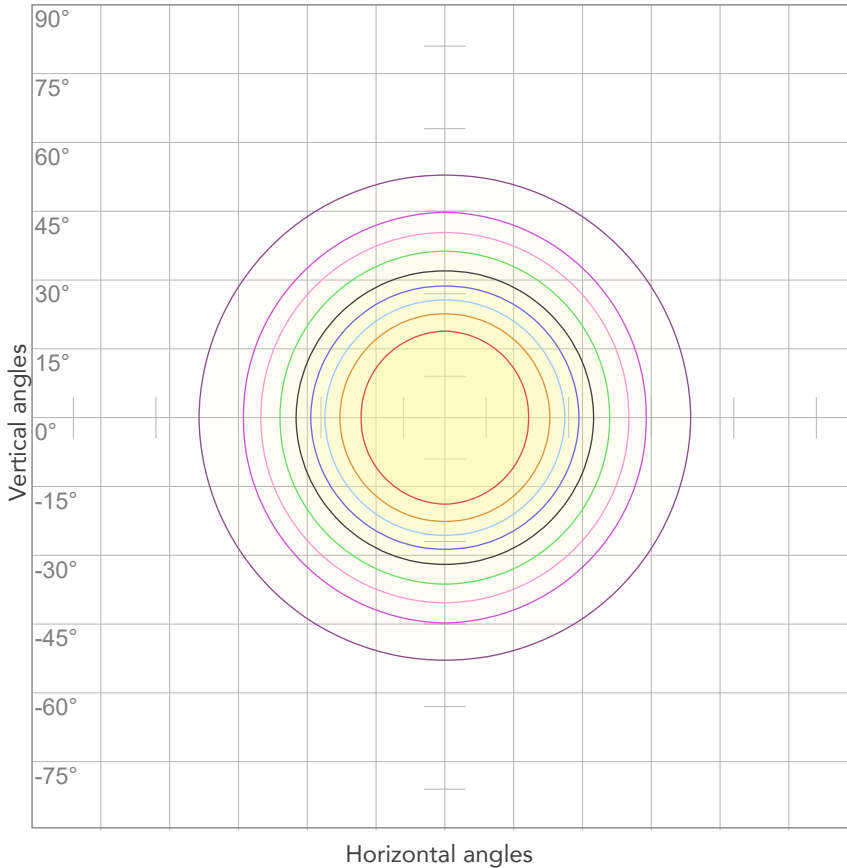


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	1,33A	298W	0,99	92lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



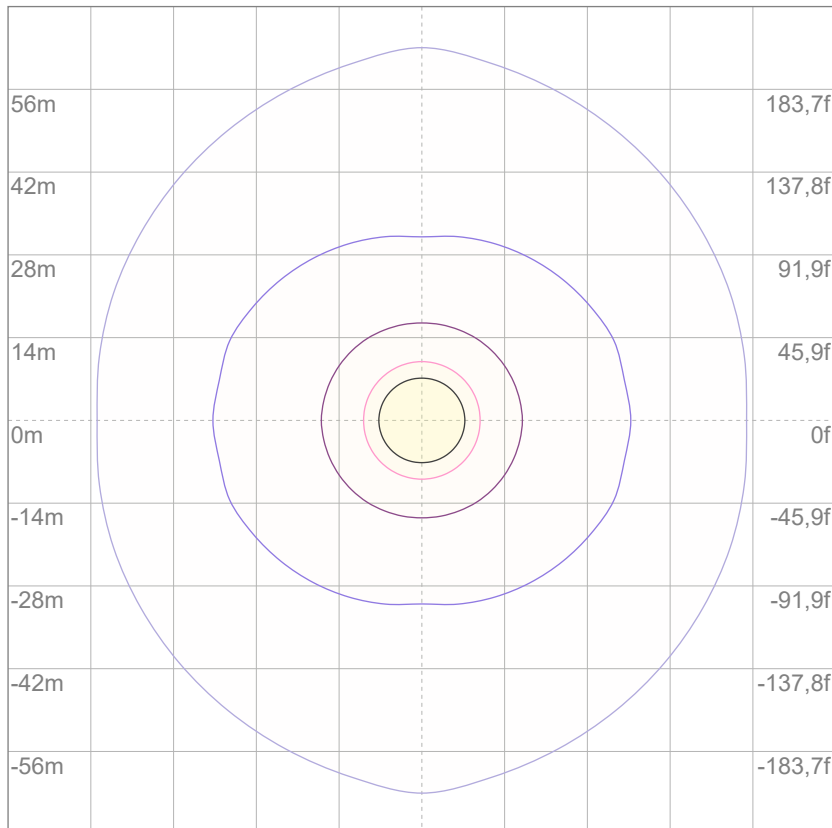
10%	1783 cd
20%	3566 cd
30%	5348 cd
40%	7131 cd
50%	8914 cd
60%	10697 cd
70%	12480 cd
80%	14263 cd

Conditions:

Number of c-planes: 4

Candela at center: 17828 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	5,35 lx
5%	8,91 lx
10%	17,8 lx
30%	53,5 lx
50%	89,1 lx

Conditions:

Number of c-planes: 4

Lux at center: 178 lx

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



Total lumen output:

24328 lm

Peak candela output:

15790 cd

Light quality:

CRI: 95,6

Color temperature:

3250 K

PRODUCT NAME:
ECLPANELIP SOFT 1X1

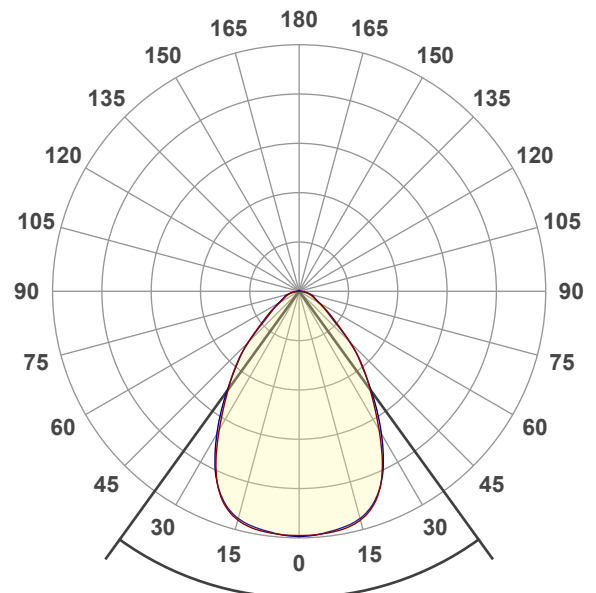
MEASURAMENT CONDITIONS:

Beam angle:
INT Filter

Target:
3200K - HQ

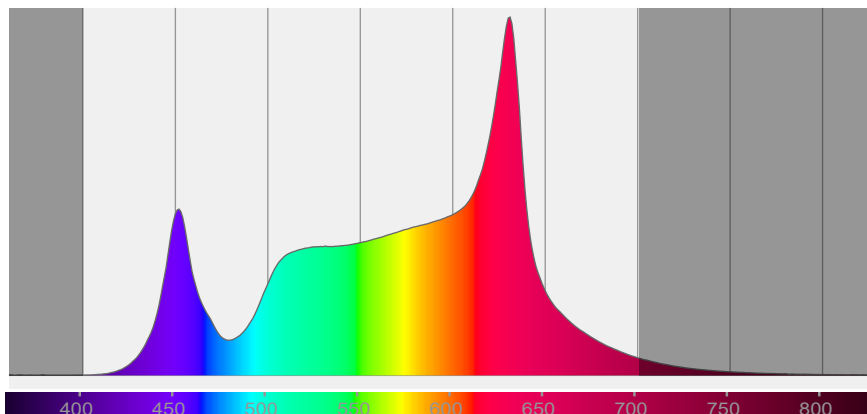
Operator:
Salvatore Giglio

Date and time:
04/09/2024 15:50:24

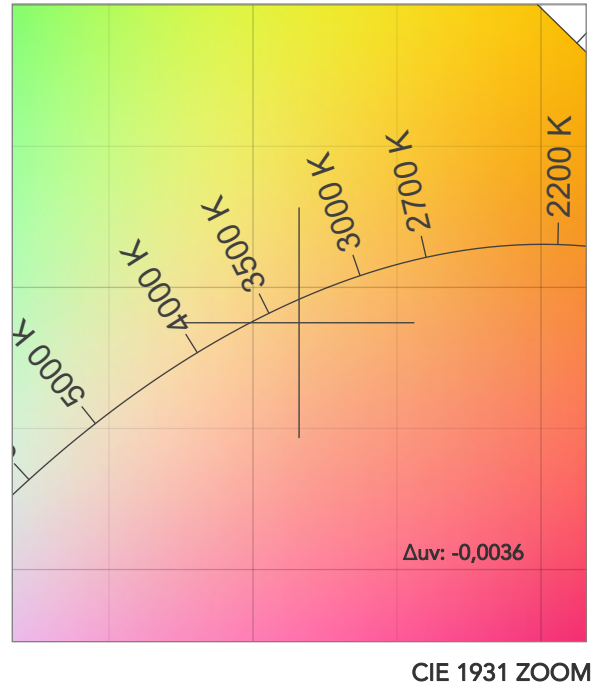
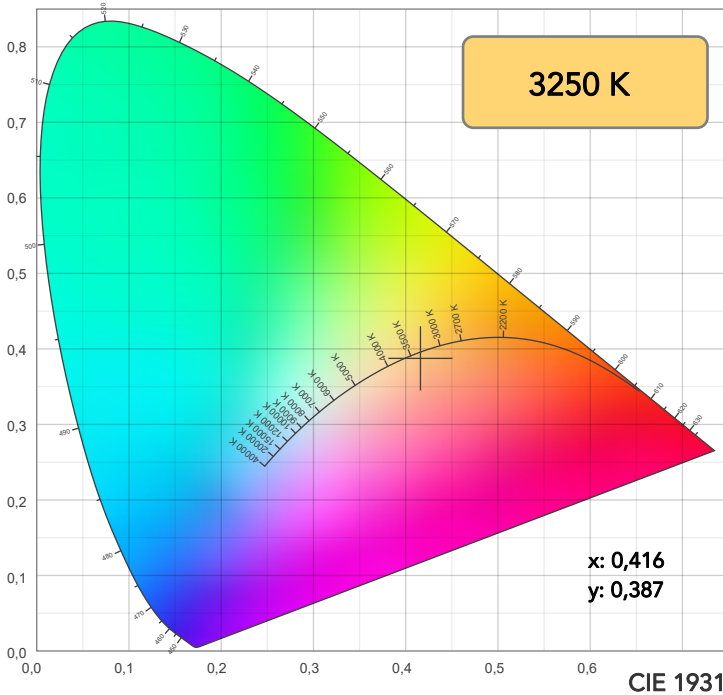


Beam angle 50%: 71,7°
Field angle 10%: 118,4°
Cut off angle 2.5%: 163,2°

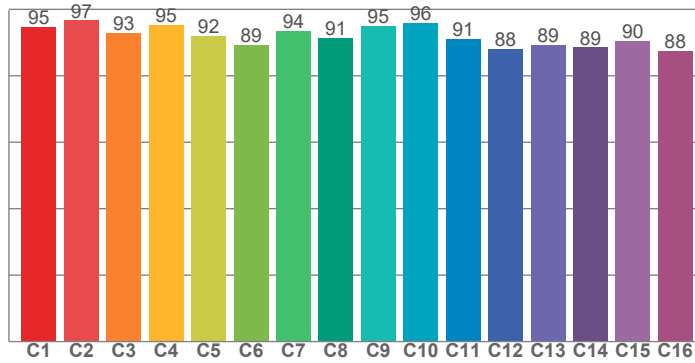
Spectra



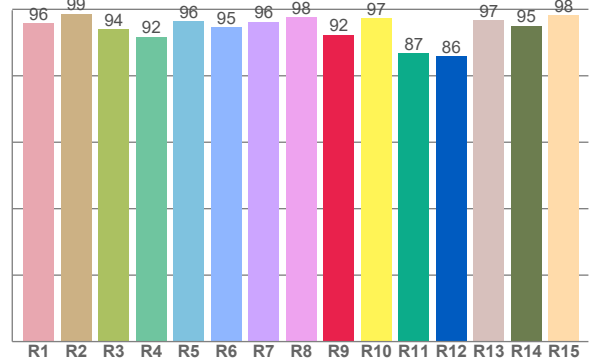
COLOR DETAILS



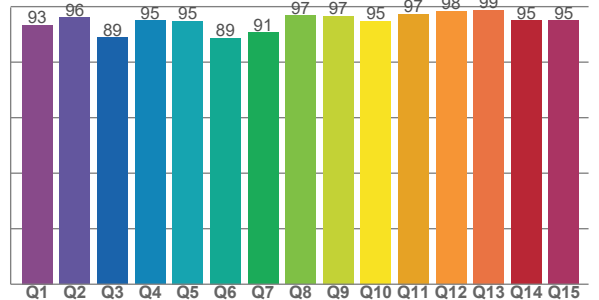
TM30: 92,4



CRI: 95,6 (R1-R8)



CQS: 93,7



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,8	98,7	94,0	91,8	96,5	94,6	96,3	97,6	92,3	97,3	86,7	85,9	96,7	95,1	98,3

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
94,8	96,7	92,8	95,3	92,1	89,3	93,5	91,5	95,1	95,8	91,1	88,0	89,3	88,6	90,5	87,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,3	96,0	88,9	94,9	94,7	88,7	90,6	96,7	96,6	94,9	97,4	98,3	98,7	95,0	95,0

COLOR PARAMETERS

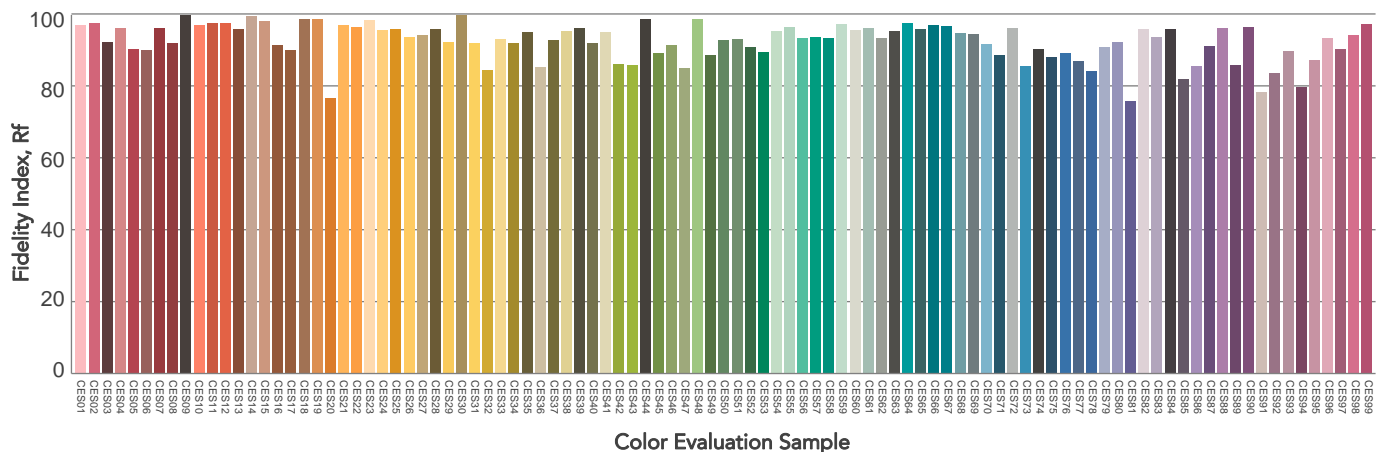
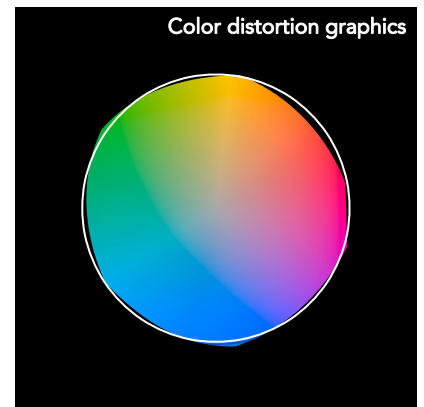
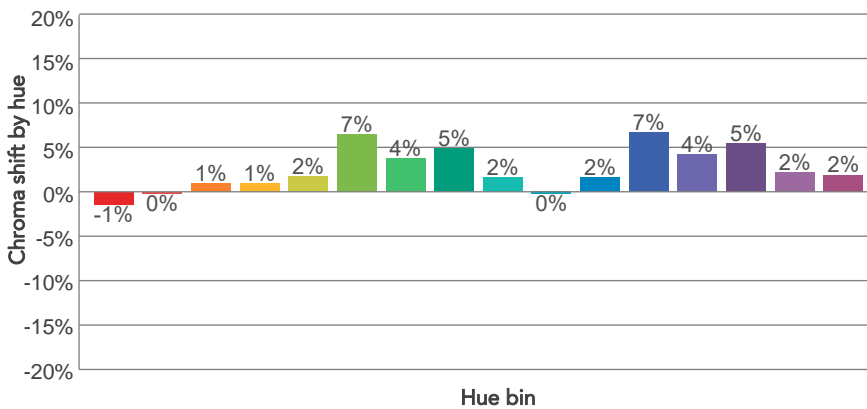
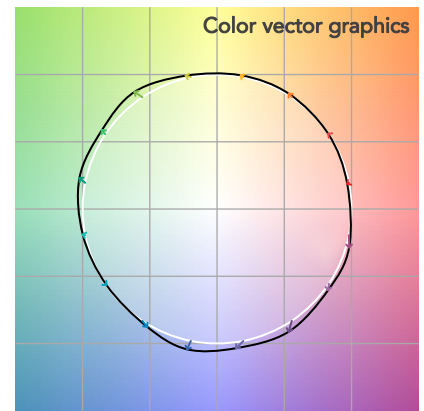
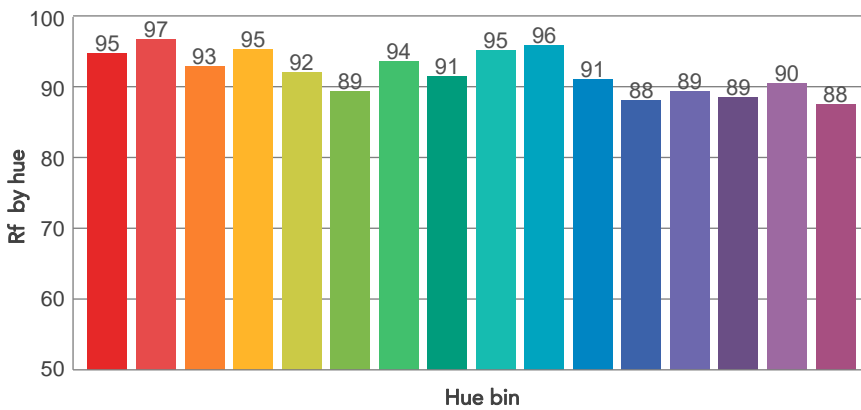
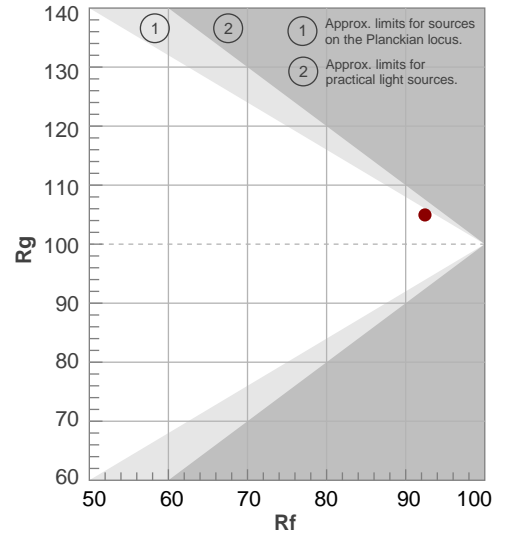
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3250 K	95,6	92,3	92,4	105,0	93,7	85	0,416	0,387	-0,0036

TM30 DETAILS

Rf 92,4
Fidelity index Rf

Rg 105,0
Gammut index

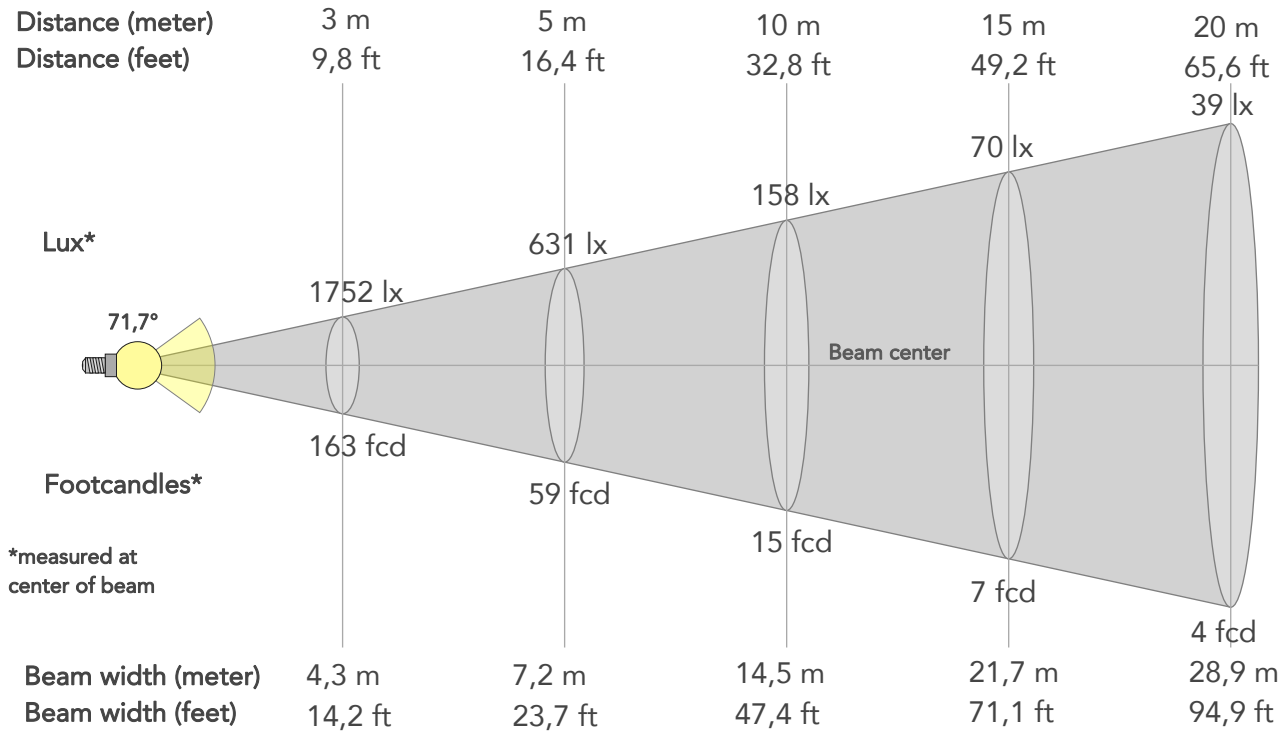
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-1%
2	97	0%	1%
3	93	1%	3%
4	95	1%	2%
5	92	2%	4%
6	89	7%	3%
7	94	4%	-1%
8	91	5%	-3%
9	95	2%	-1%
10	96	0%	1%
11	91	2%	5%
12	88	7%	-1%
13	89	4%	-6%
14	89	5%	-6%
15	90	2%	-4%
16	88	2%	-9%



BEAM DETAILS



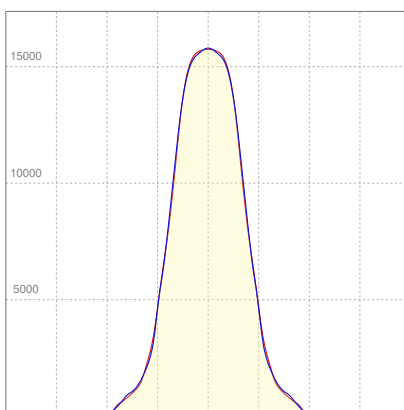
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
71,7°	118,4°	163,2°	91,0%	77,0%



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	15764lx	3941lx	1752lx	985lx	631lx	280lx	158lx	70lx	39lx	25lx	18lx	10lx	6lx
Footcand.	1465fcd	366fcd	163fcd	92fcd	59fcd	26fcd	15fcd	7fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	1,4m	2,9m	4,3m	5,8m	7,2m	10,8m	14,5m	21,7m	28,9m	36,1m	43,4m	57,8m	72,3m
Beam wid.	4,8ft	9,5ft	14,2ft	18,9ft	23,7ft	35,6ft	47,4ft	71,1ft	94,9ft	118,6ft	142,3ft	189,7ft	237,1ft

LINEAR DISTRIBUTION DIAGRAM

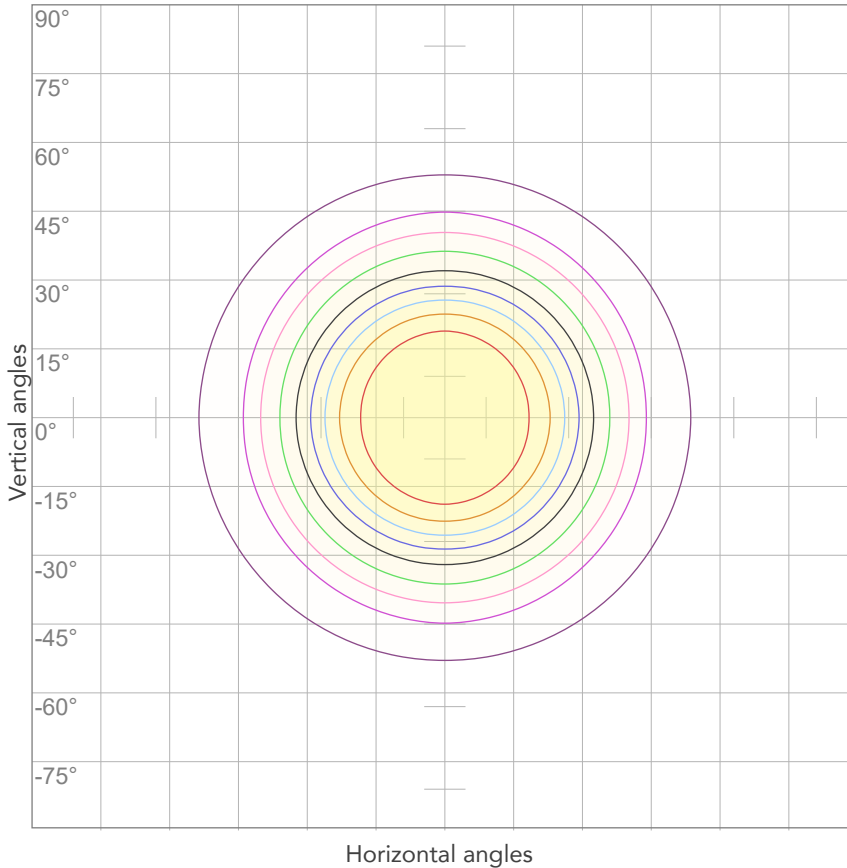


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	1,21A	272W	0,99	89lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



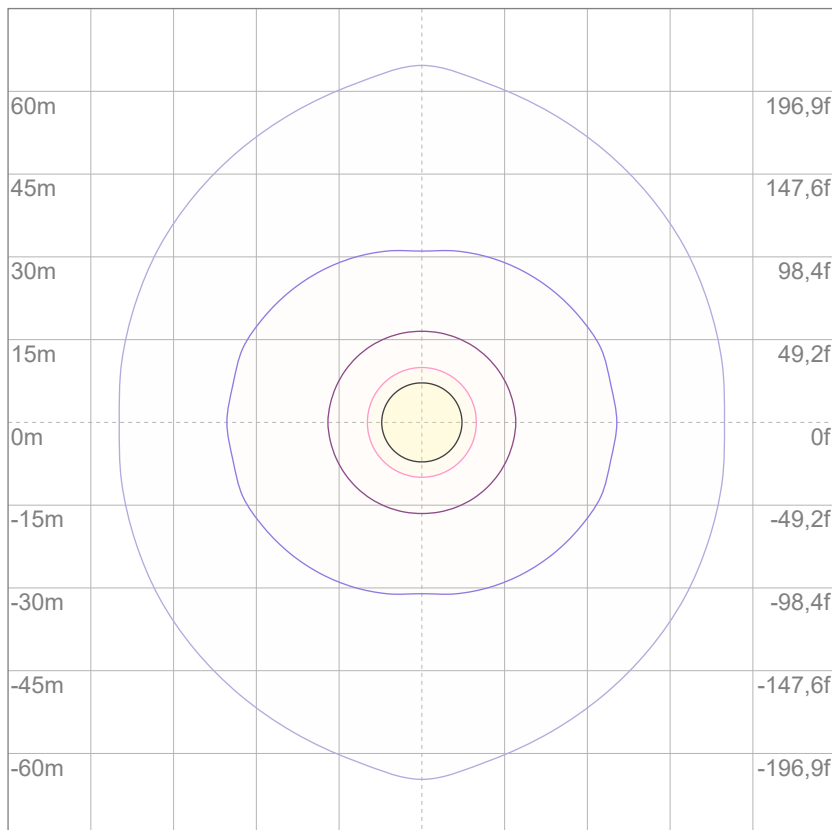
10%	1576 cd
20%	3153 cd
30%	4729 cd
40%	6306 cd
50%	7882 cd
60%	9458 cd
70%	11035 cd
80%	12611 cd

Conditions:

Number of c-planes: 4

Candela at center: 15764 cd

ISO LUX DIAGRAM



3%	4,73 lx
5%	7,88 lx
10%	15,8 lx
30%	47,3 lx
50%	78,8 lx

Conditions:

Number of c-planes: 4

Lux at center: 158 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:

23022 lm

Peak candela output:

14946 cd

Light quality:

CRI: 96,2

Color temperature:

5639 K

PRODUCT NAME:
ECLPANELIP SOFT 1X1

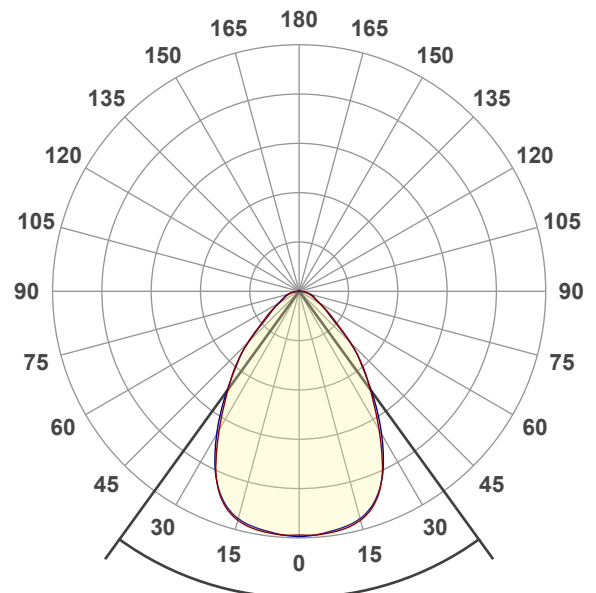
MEASURAMENT CONDITIONS:

Beam angle:
INT Filter

Target:
5600K - HQ

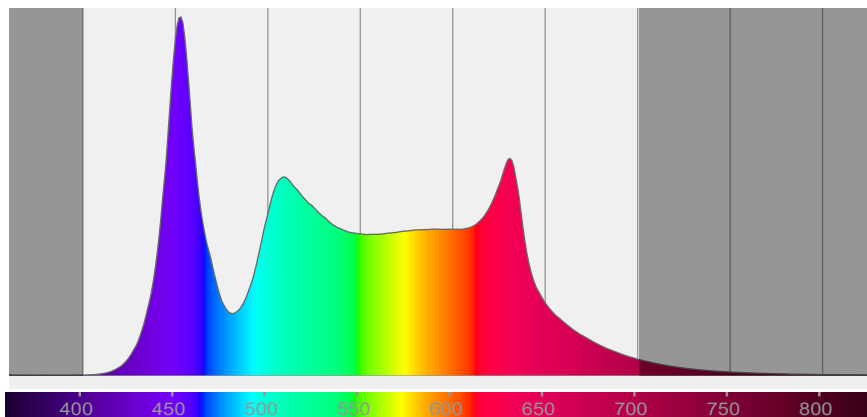
Operator:
Salvatore Giglio

Date and time:
04/09/2024 15:58:03

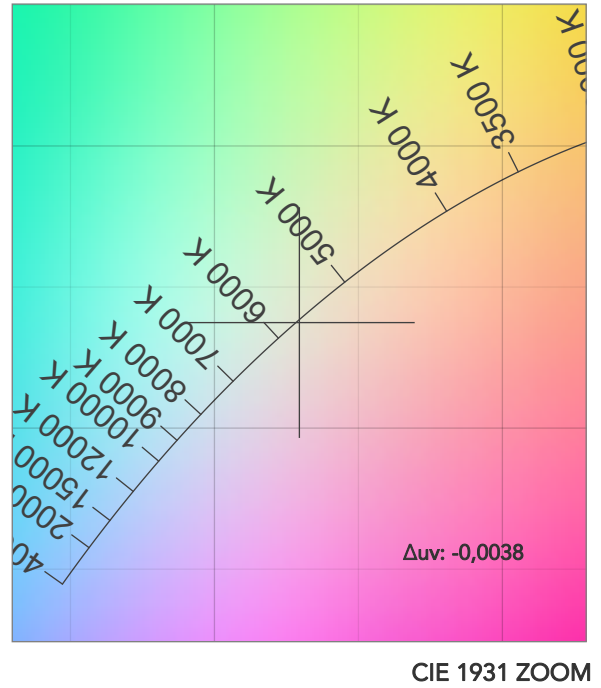
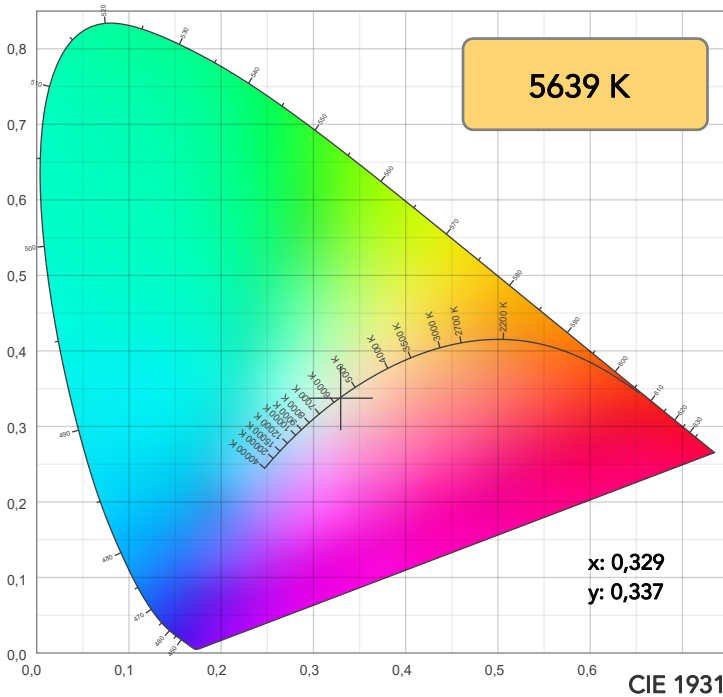


Beam angle 50%: 71,8°
Field angle 10%: 118,6°
Cut off angle 2.5%: 163,4°

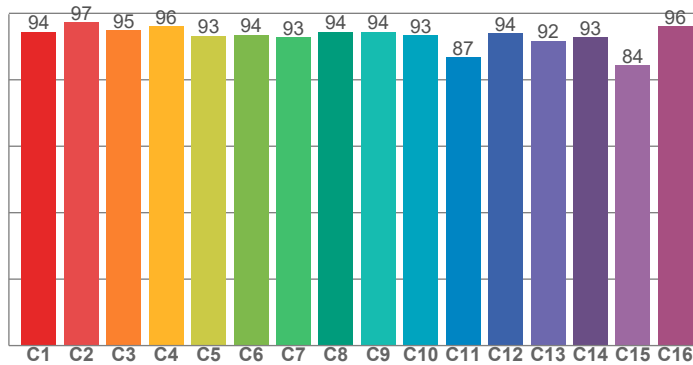
Spectra



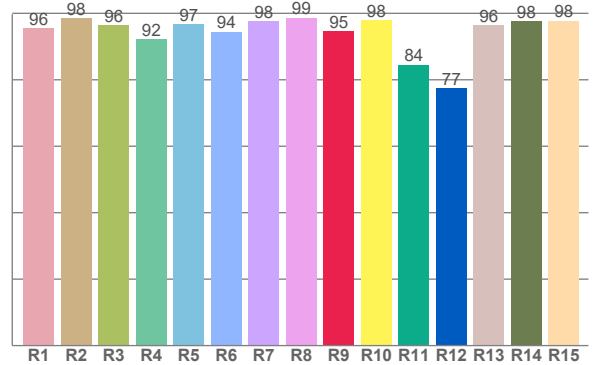
COLOR DETAILS



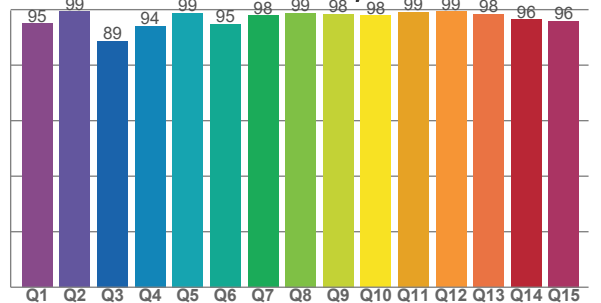
TM30: 93,0



CRI: 96,2 (R1-R8)



CQS: 95,8



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,5	98,4	96,4	92,2	96,7	94,4	97,7	98,7	94,6	97,9	84,5	77,5	96,5	97,5	97,8

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
94,4	97,3	94,8	96,1	93,2	93,5	92,7	94,4	94,4	93,4	86,7	93,9	91,6	92,8	84,3	96,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,0	99,2	88,7	94,1	98,7	94,9	97,8	98,7	98,4	97,9	99,2	99,4	98,3	96,5	96,0

COLOR PARAMETERS

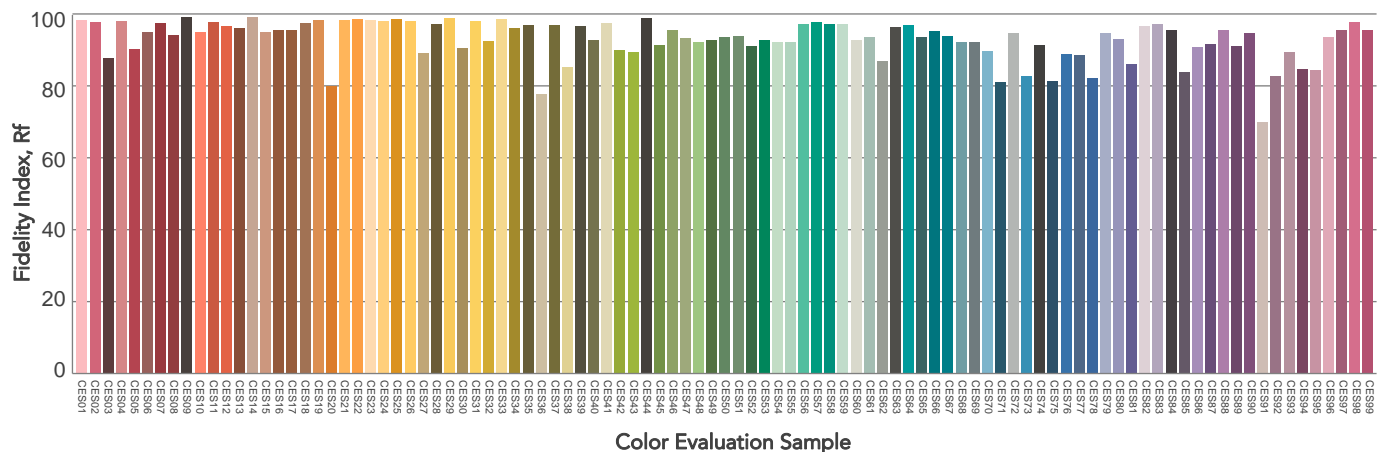
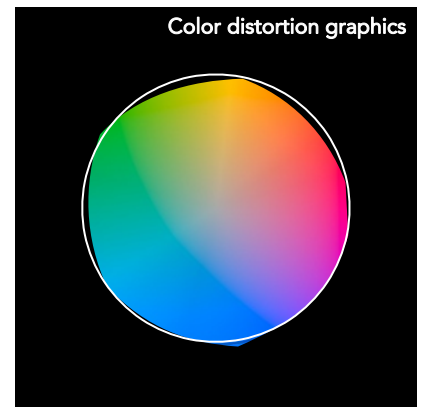
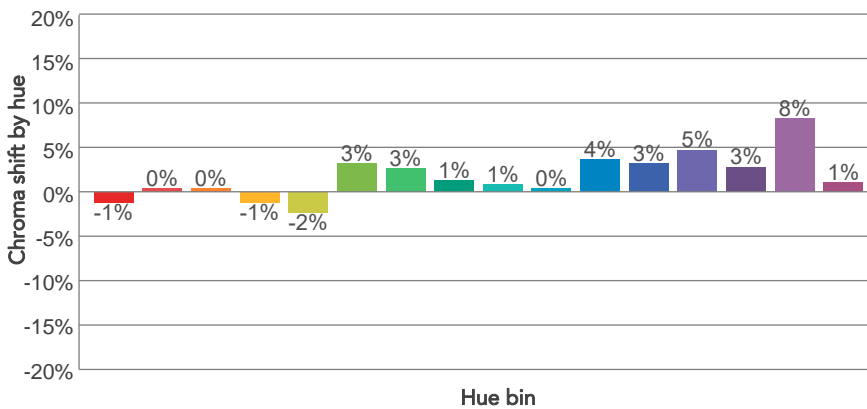
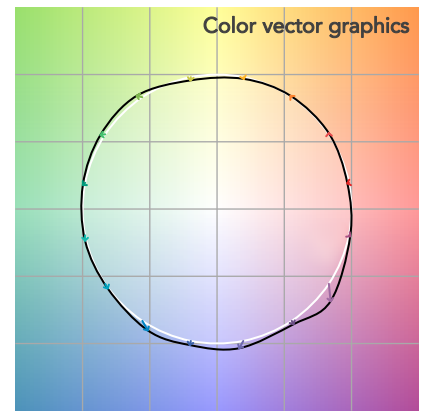
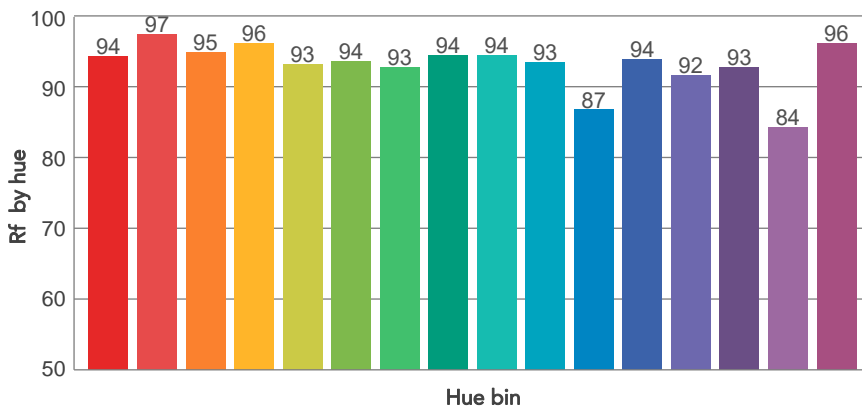
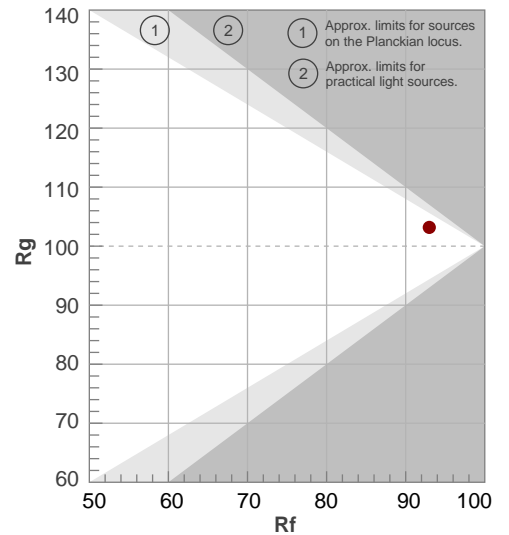
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5639 K	96,2	94,6	93,0	103,2	95,8	92	0,329	0,337	-0,0038

TM30 DETAILS

Rf 93,0
Fidelity index Rf

Rg 103,2
Gammut index

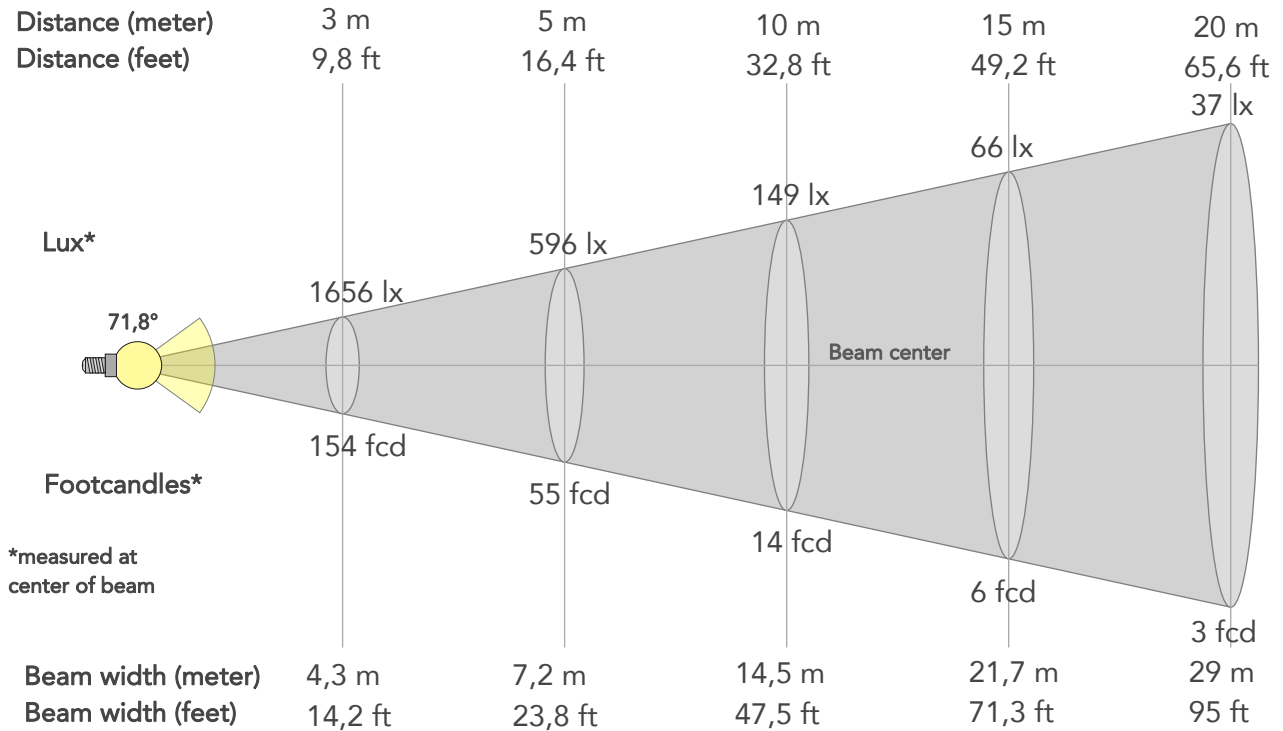
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-1%	0%
2	97	0%	1%
3	95	0%	1%
4	96	-1%	-1%
5	93	-2%	1%
6	94	3%	3%
7	93	3%	2%
8	94	1%	2%
9	94	1%	4%
10	93	0%	4%
11	87	4%	7%
12	94	3%	0%
13	92	5%	-4%
14	93	3%	0%
15	84	8%	-10%
16	96	1%	-1%



BEAM DETAILS



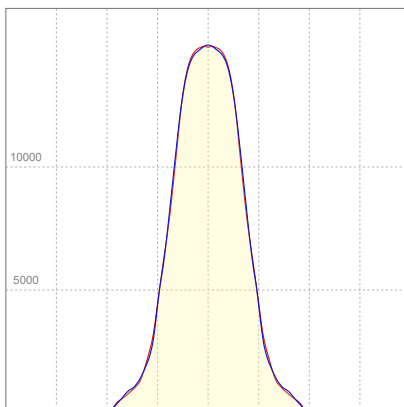
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
71,8°	118,6°	163,4°	91,2%	77,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	14907lx	3727lx	1656lx	932lx	596lx	265lx	149lx	66lx	37lx	24lx	17lx	9lx	6lx
Footcand.	1385fcd	346fcd	154fcd	87fcd	55fcd	25fcd	14fcd	6fcd	3fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	1,4m	2,9m	4,3m	5,8m	7,2m	10,9m	14,5m	21,7m	29m	36,2m	43,5m	58m	72,4m
Beam wid.	4,8ft	9,6ft	14,2ft	19ft	23,8ft	35,6ft	47,5ft	71,3ft	95ft	118,8ft	142,6ft	190,1ft	237,6ft

LINEAR DISTRIBUTION DIAGRAM

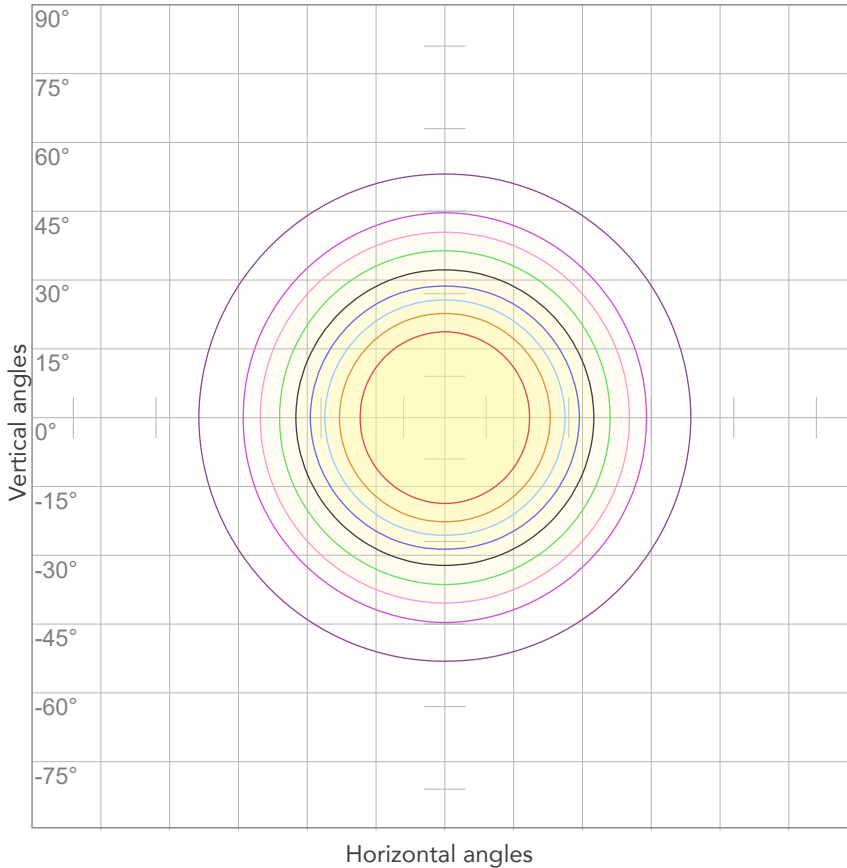


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	1,30A	294W	0,99	78lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



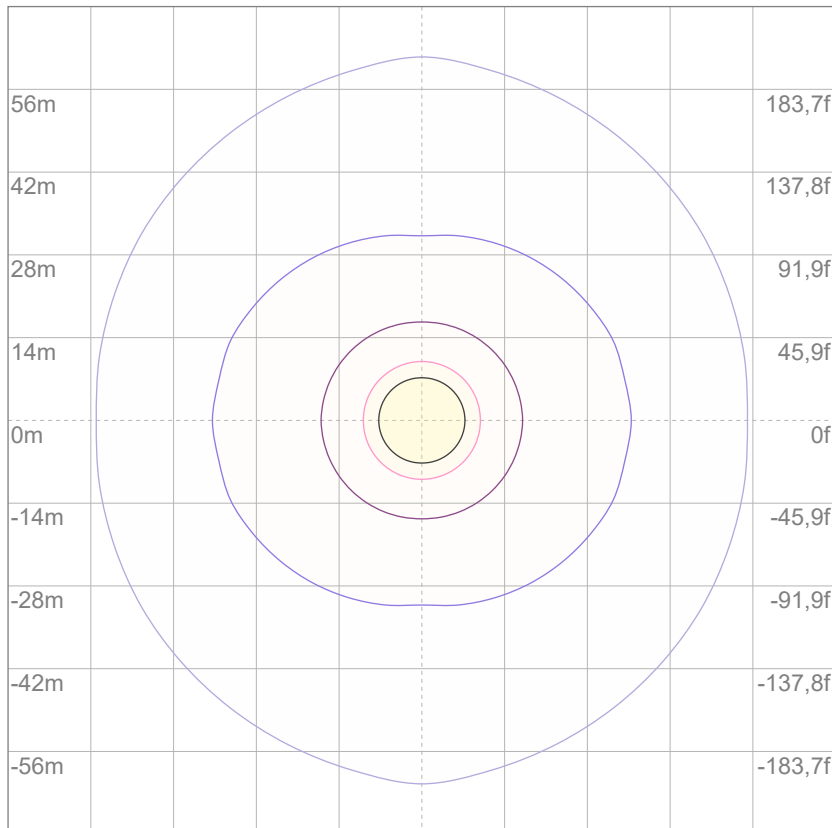
10%	1491 cd
20%	2981 cd
30%	4472 cd
40%	5963 cd
50%	7453 cd
60%	8944 cd
70%	10435 cd
80%	11925 cd

Conditions:

Number of c-planes: 4

Candela at center: 14907 cd

ISO LUX DIAGRAM



3%	4,47 lx
5%	7,45 lx
10%	14,9 lx
30%	44,7 lx
50%	74,5 lx

Conditions:

Number of c-planes: 4

Lux at center: 149 lx

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

Mounting height: 10 meters (33 feet)