



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:

24579 lm

Peak candela output:

9623 cd

Light quality:

CRI: 87,7

Color temperature:

6273 K

PRODUCT NAME:

ECLPANELIP SOFT 1X1

MEASURAMENT CONDITIONS:

Beam angle:

MD Filter

Target:

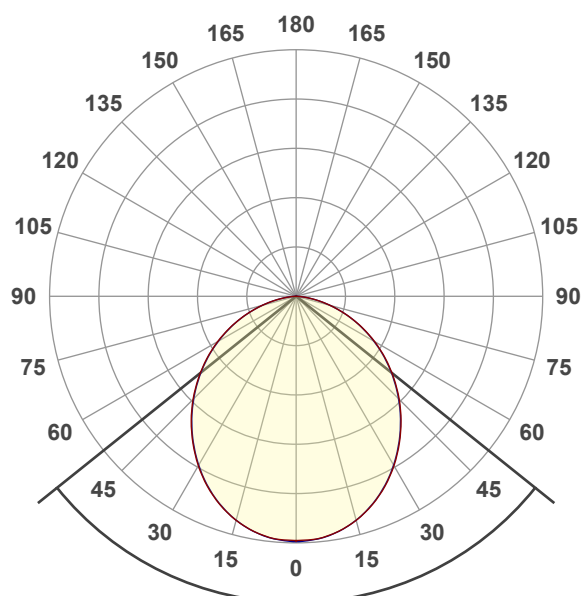
Full On - HQ

Operator:

Salvatore Giglio

Date and time:

09/08/2024 16:47:39

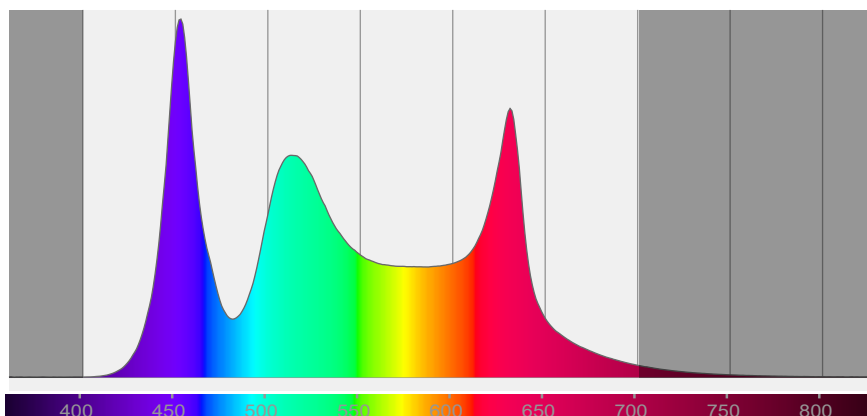


Beam angle 50%: 102,6°

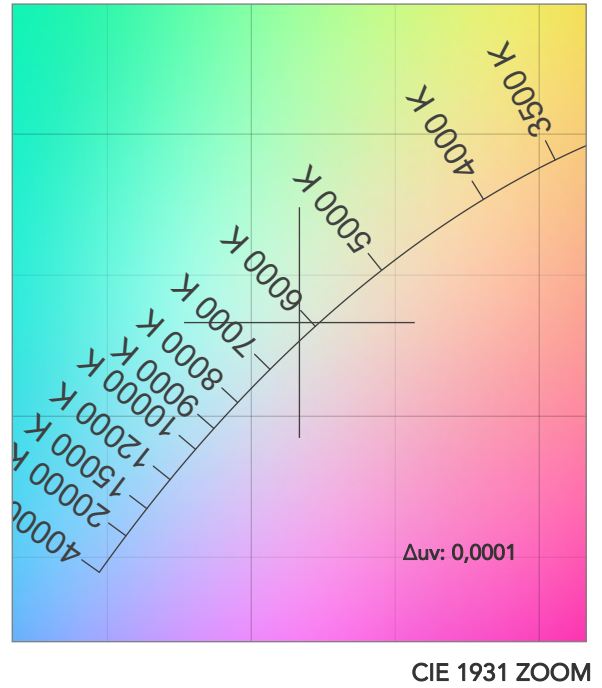
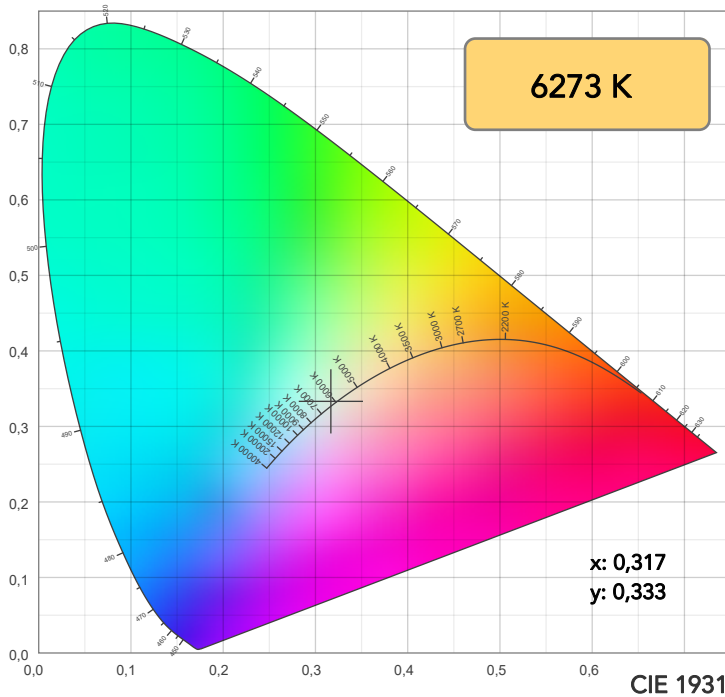
Field angle 10%: 156,4°

Cut off angle 2.5%: 169,9°

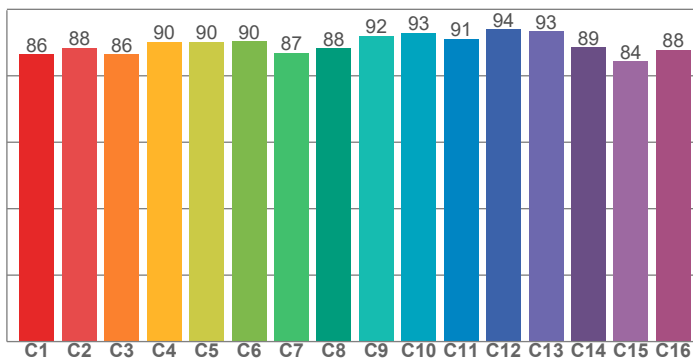
Spectra



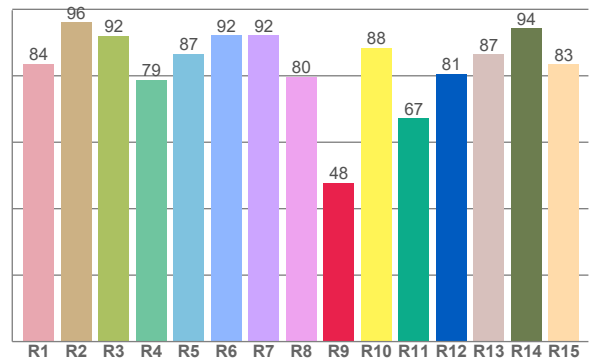
COLOR DETAILS



TM30: 89,4



CRI: 87,7 (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
83,6	96,1	92,1	78,8	86,6	92,3	92,2	79,7	47,8	88,5	67,1	80,6	86,6	94,3	83,5

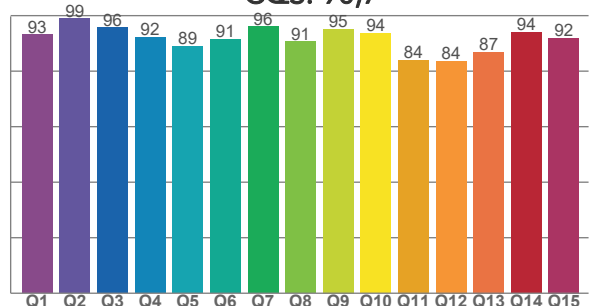
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
86,4	88,4	86,5	90,2	90,2	90,3	86,8	88,3	92,0	92,9	91,1	94,0	93,3	88,6	84,4	87,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,2	99,0	95,7	92,2	89,0	91,5	96,1	90,7	95,2	93,6	84,0	83,6	86,9	94,0	92,0

CQS: 90,7



COLOR PARAMETERS

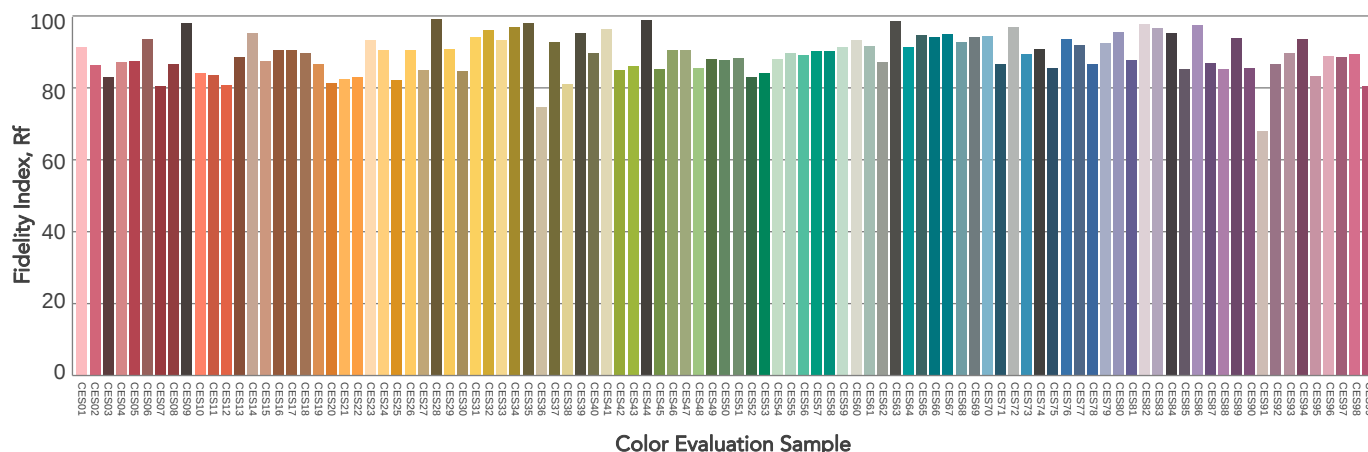
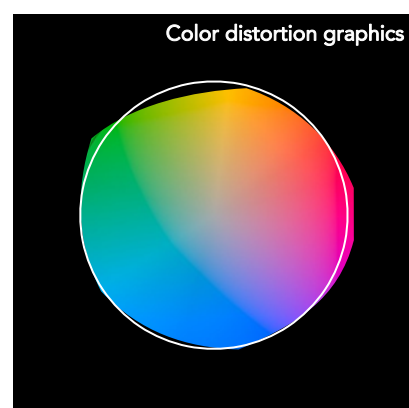
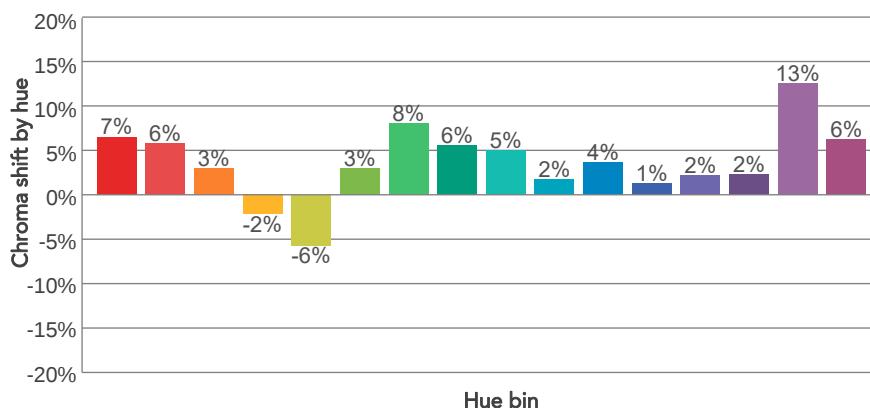
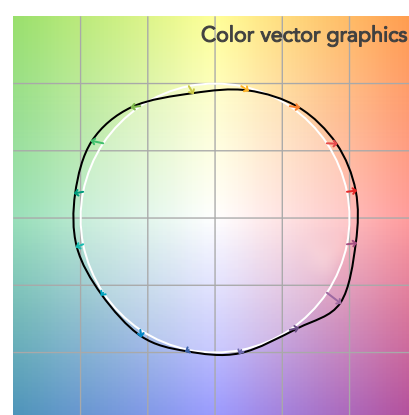
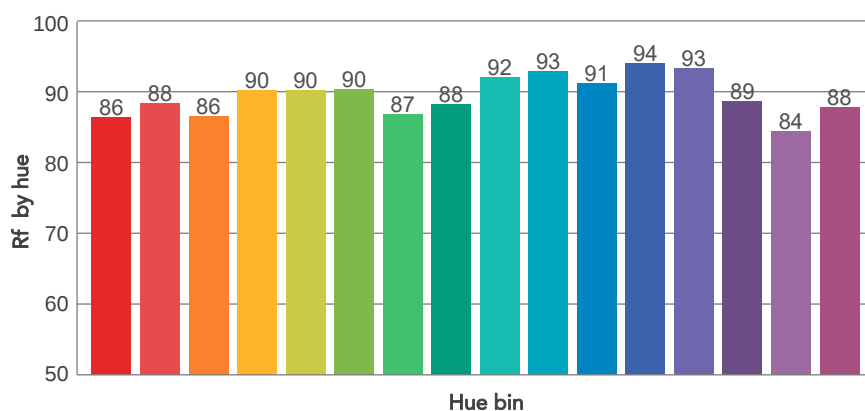
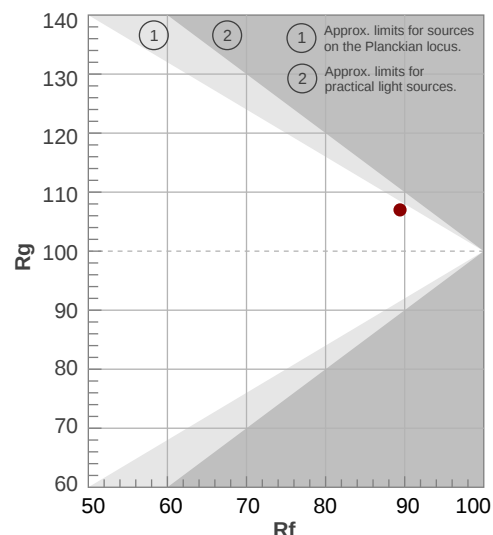
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6273 K	87,7	47,8	89,4	107,0	90,7	79	0,317	0,333	0,0001

TM30 DETAILS

Rf 89,4
Fidelity index Rf

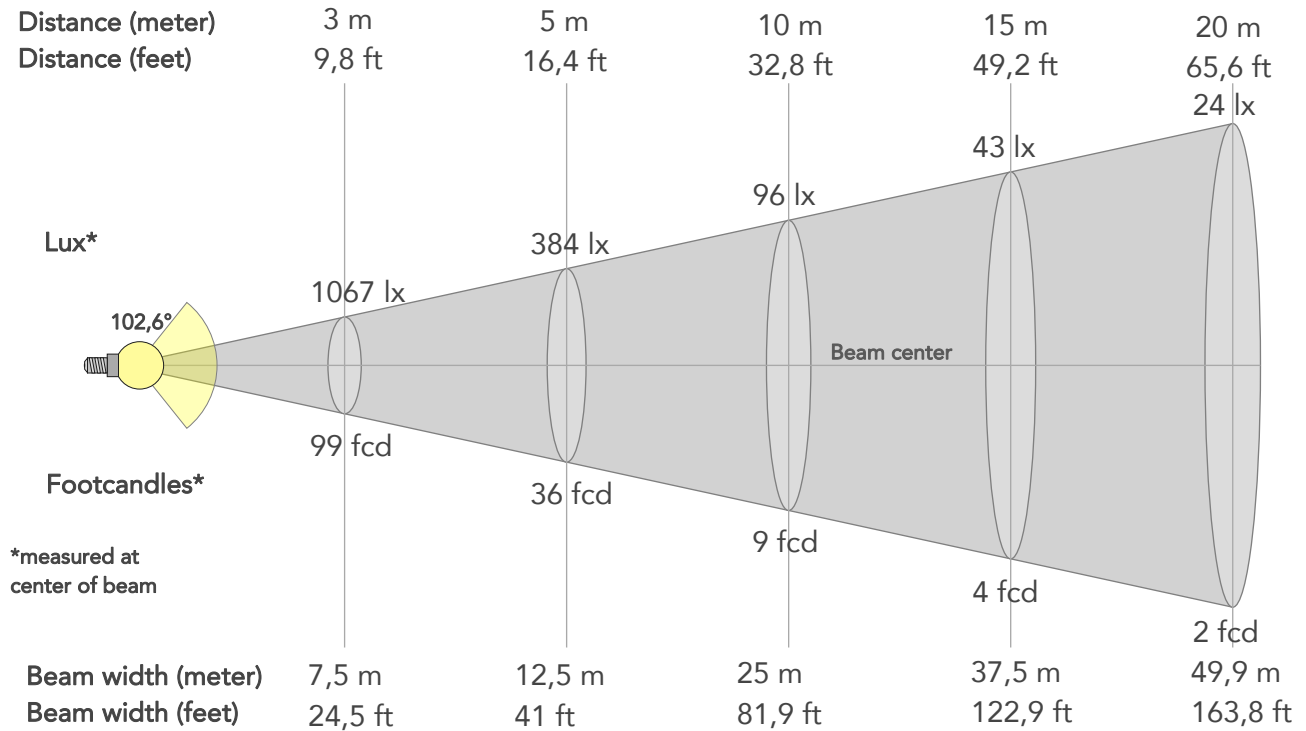
Rg 107,0
Gammut index

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



BEAM DETAILS

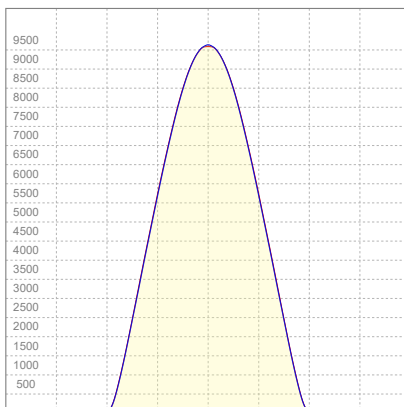
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102,6°	156,4°	169,9°	80,8%	56,5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	9607lx	2402lx	1067lx	600lx	384lx	171lx	96lx	43lx	24lx	15lx	11lx	6lx	4lx
Footcand.	893fcd	223fcd	99fcd	56fcd	36fcd	16fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	2,5m	5m	7,5m	10m	12,5m	18,7m	25m	37,5m	49,9m	62,4m	74,9m	99,9m	124,9m
Beam wid.	8,2ft	16,5ft	24,5ft	32,7ft	41ft	61,4ft	81,9ft	122,9ft	163,8ft	204,8ft	245,7ft	327,6ft	409,5ft

LINEAR DISTRIBUTION DIAGRAM

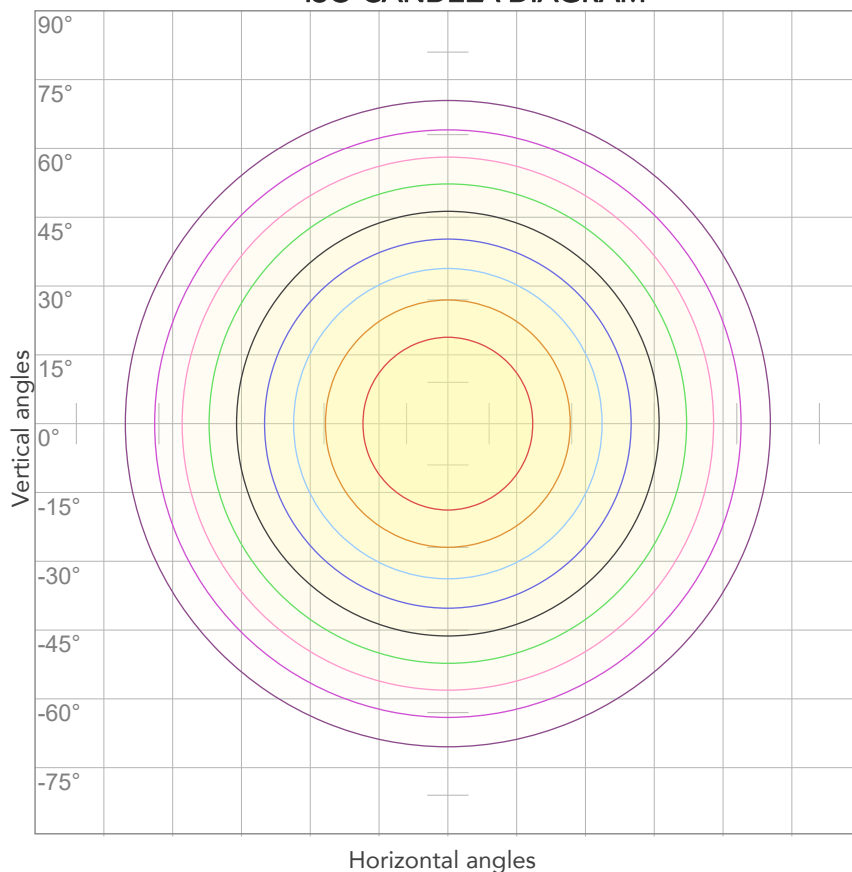


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
223V	1,36A	303W	0,99	81lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



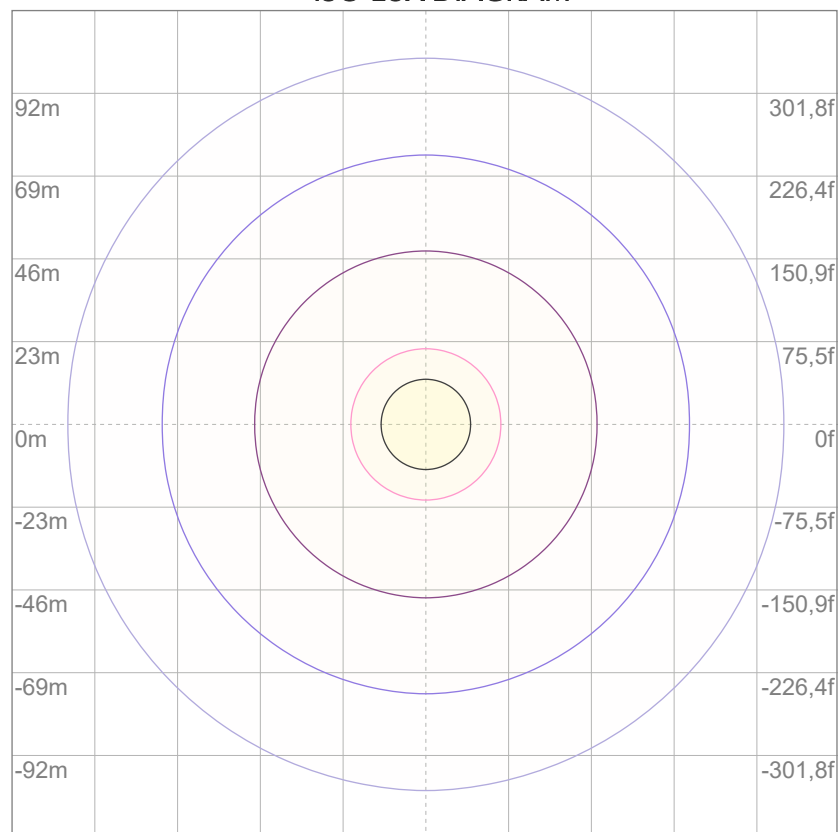
10%	961 cd
20%	1921 cd
30%	2882 cd
40%	3843 cd
50%	4803 cd
60%	5764 cd
70%	6725 cd
80%	7686 cd

Conditions:

Number of c-planes: 4

Candela at center: 9607 cd

ISO LUX DIAGRAM



3%	2,88 lx
5%	4,80 lx
10%	9,61 lx
30%	28,8 lx
50%	48,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 96,1 lx

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



Total lumen output:

3562 lm

Peak candela output:

1411 cd

PRODUCT NAME:
ECLPANELIP SOFT 1X1

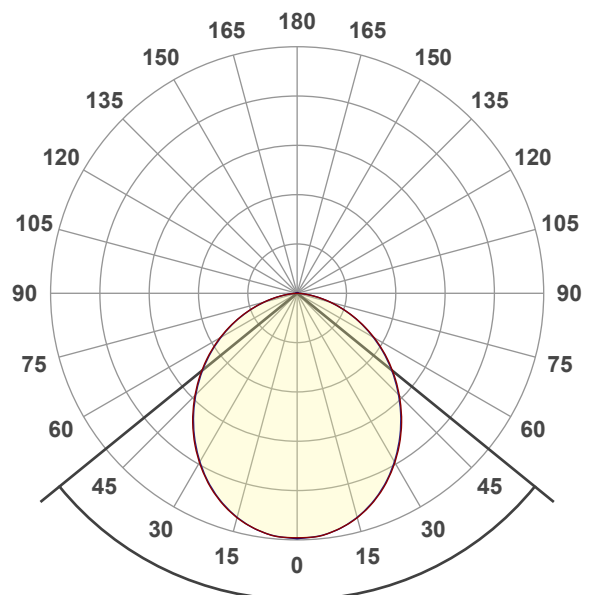
MEASURAMENT CONDITIONS:

Beam angle:
MD Filter

Target:
Red - HQ

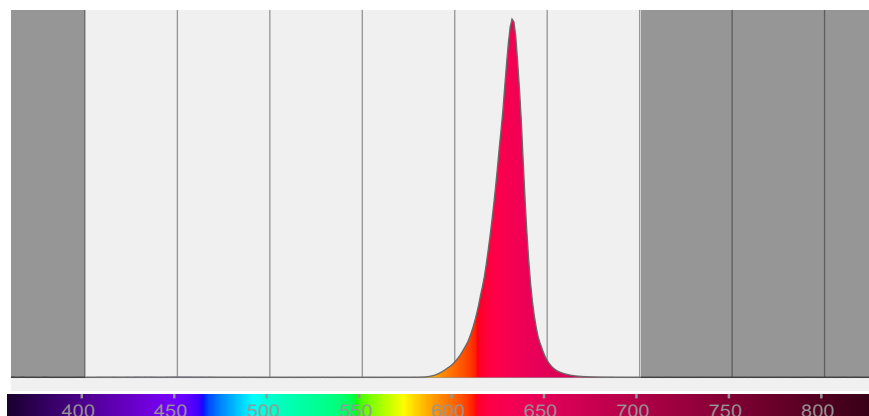
Operator:
Salvatore Giglio

Date and time:
09/08/2024 16:51:38



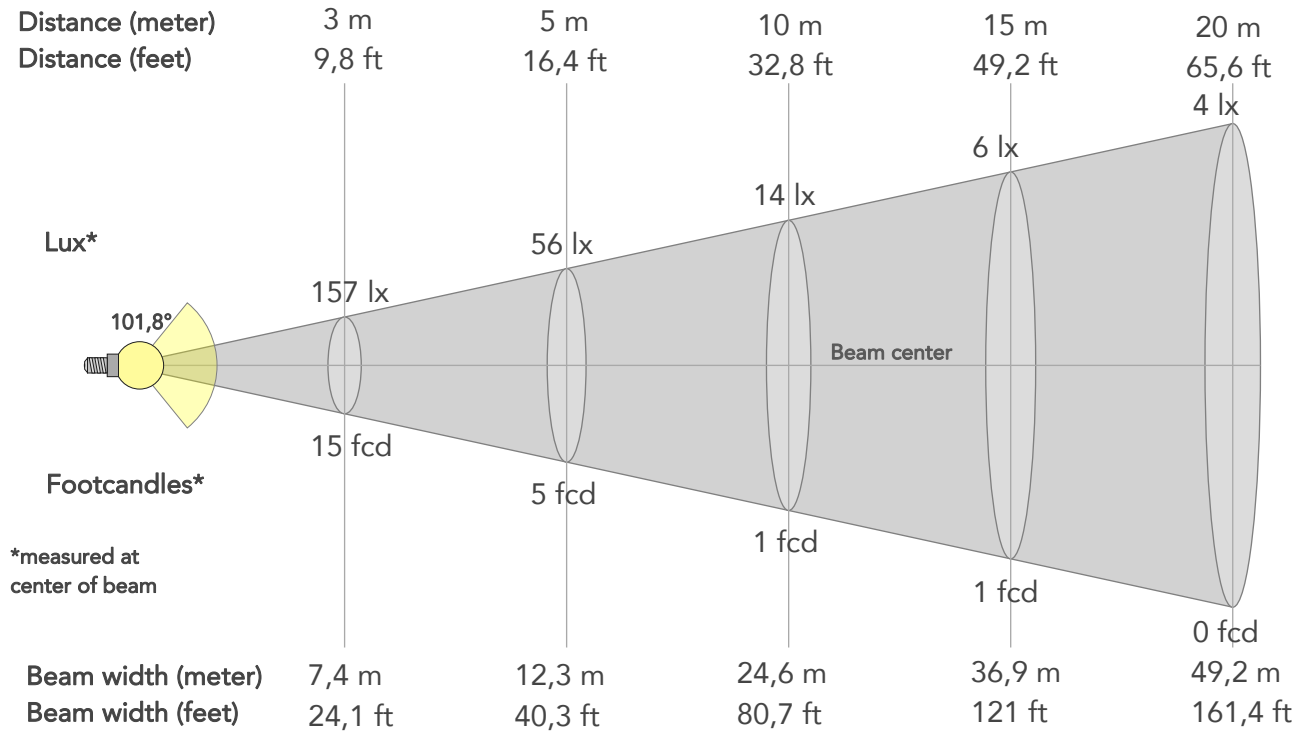
Beam angle 50%: 101,8°
Field angle 10%: 156°
Cut off angle 2.5%: 169,9°

Spectra



BEAM DETAILS

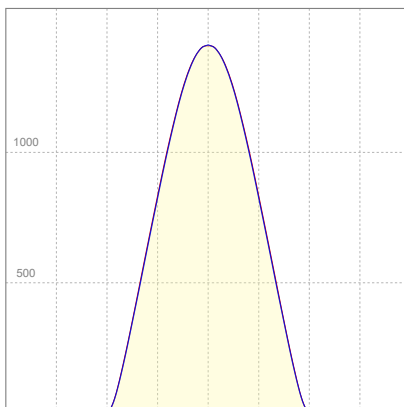
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
101,8°	156°	169,9°	81,3%	57,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1409lx	352lx	157lx	88lx	56lx	25lx	14lx	6lx	4lx	2lx	2lx	1lx	1lx
Footcand.	131fcd	33fcd	15fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	2,5m	4,9m	7,4m	9,8m	12,3m	18,5m	24,6m	36,9m	49,2m	61,5m	73,8m	98,4m	123m
Beam wid.	8,1ft	16,2ft	24,1ft	32,2ft	40,3ft	60,5ft	80,7ft	121ft	161,4ft	201,7ft	242,1ft	322,8ft	403,5ft

LINEAR DISTRIBUTION DIAGRAM

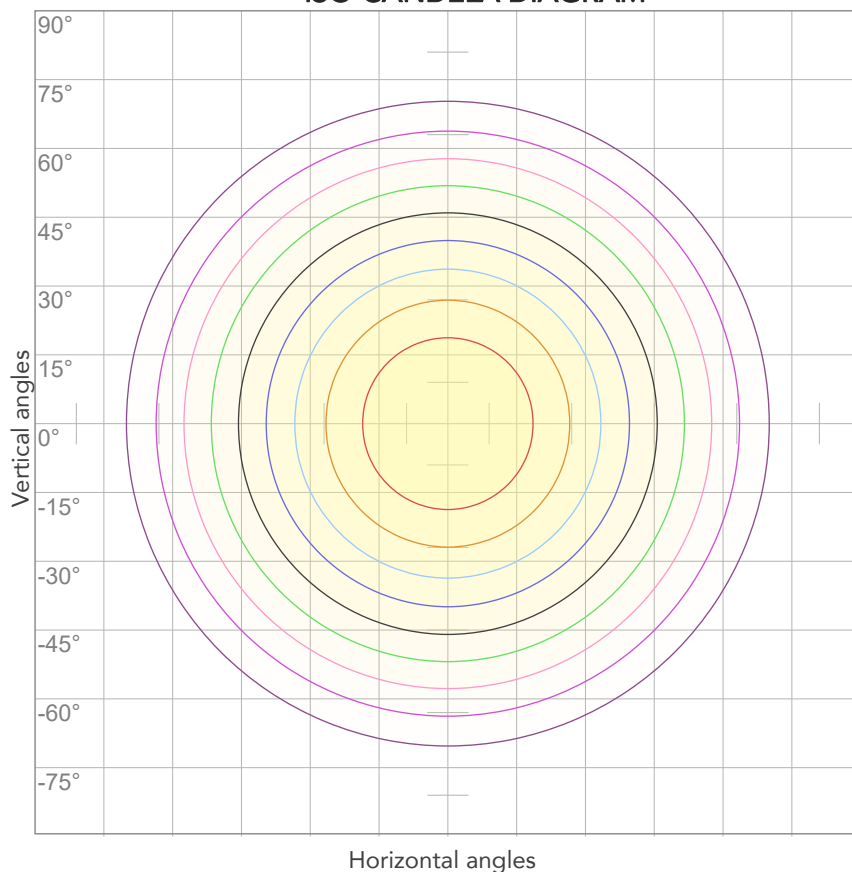


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,351A	79,0W	0,87	45lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



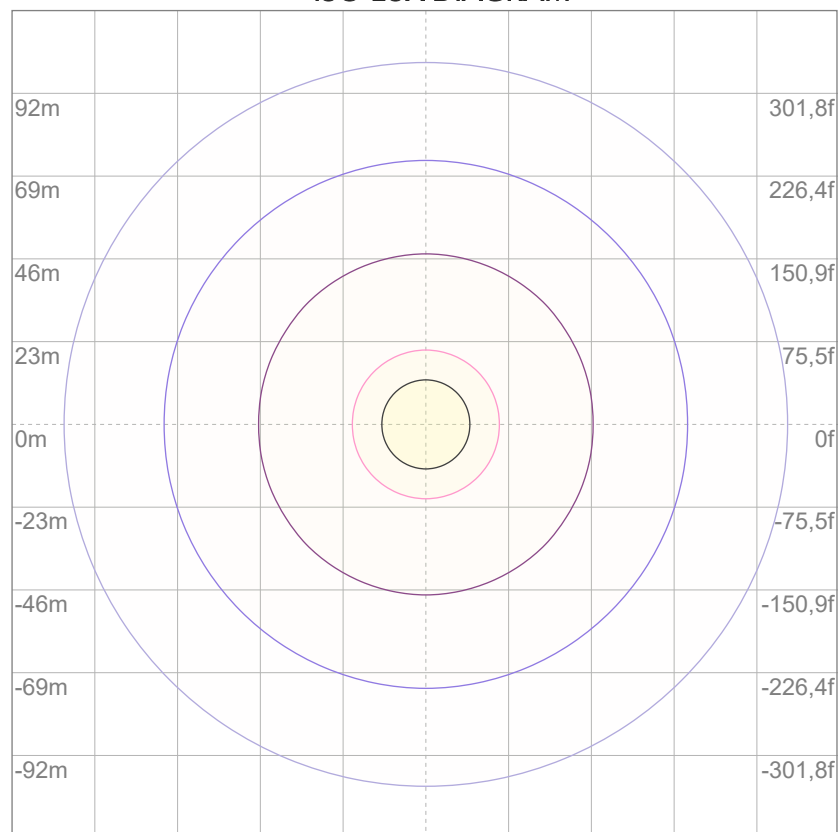
10%	141 cd
20%	282 cd
30%	423 cd
40%	563 cd
50%	704 cd
60%	845 cd
70%	986 cd
80%	1127 cd

Conditions:

Number of c-planes: 4

Candela at center: 1409 cd

ISO LUX DIAGRAM



3%	0,423 lx
5%	0,704 lx
10%	1,41 lx
30%	4,23 lx
50%	7,04 lx

Conditions:

Number of c-planes: 4

Lux at center: 14,1 lx

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



Total lumen output:

6616 lm

Peak candela output:

2553 cd

PRODUCT NAME:

ECLPANELIP SOFT 1X1

MEASURAMENT CONDITIONS:

Beam angle:

MD Filter

Target:

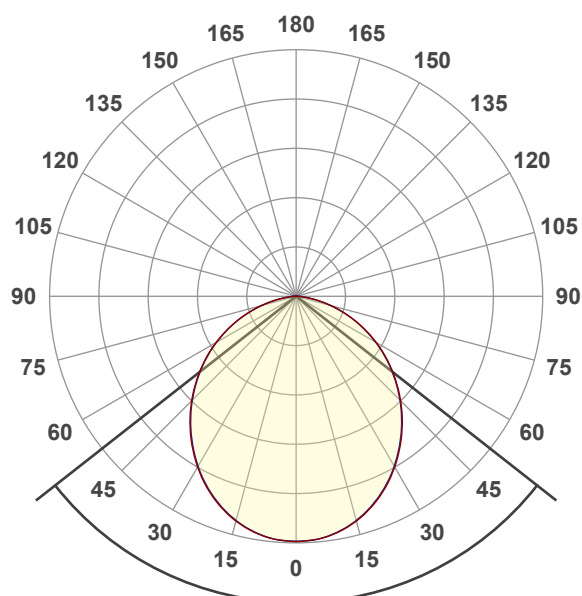
Green - HQ

Operator:

Salvatore Giglio

Date and time:

09/08/2024 16:53:38

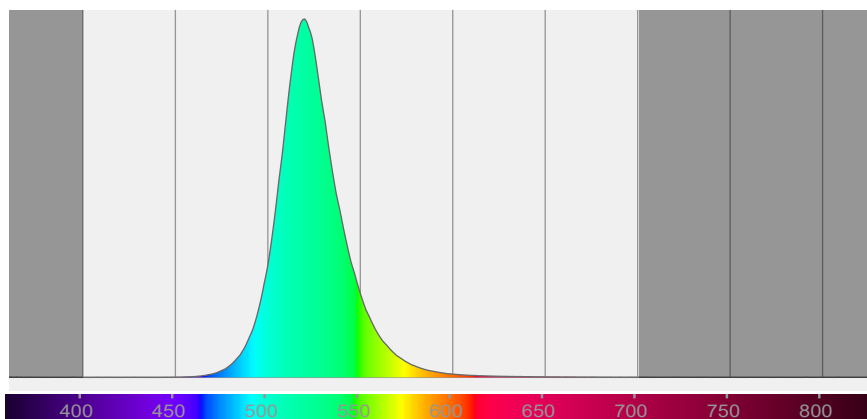


Beam angle 50%: 103,8°

Field angle 10%: 156,7°

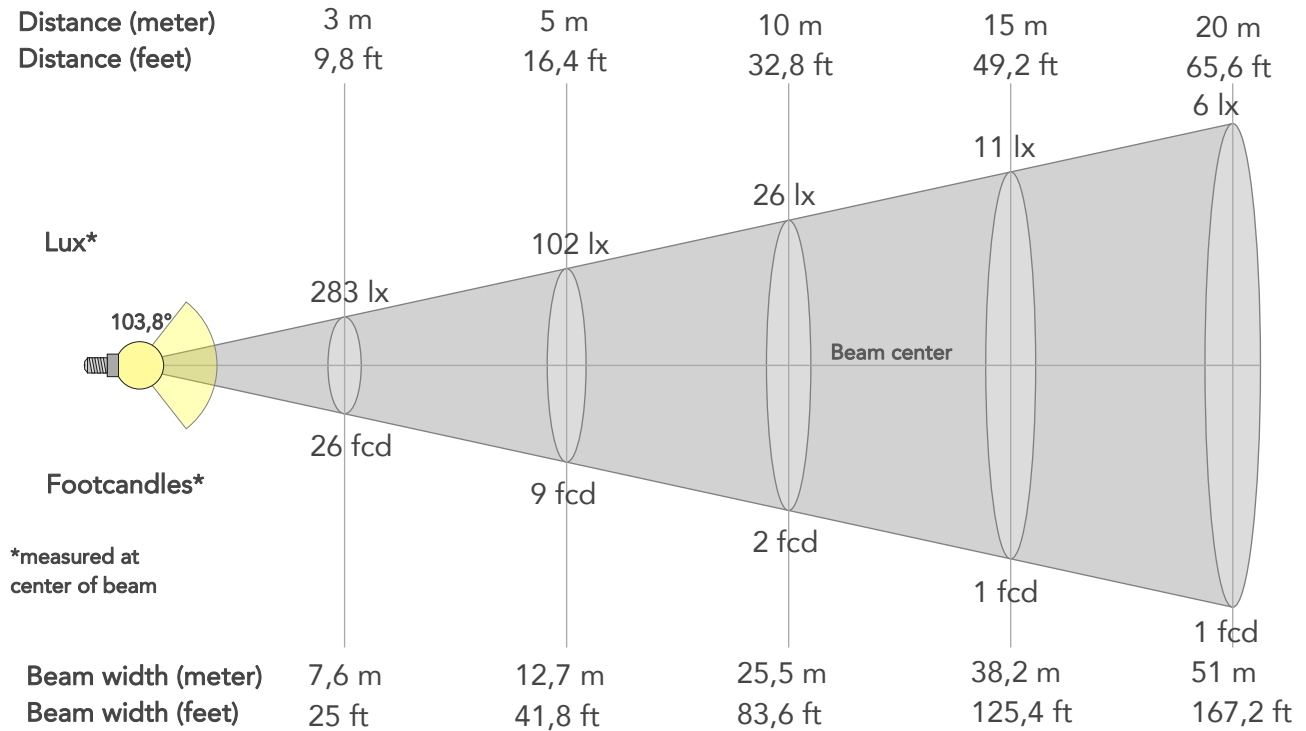
Cut off angle 2.5%: 170,1°

Spectra



BEAM DETAILS

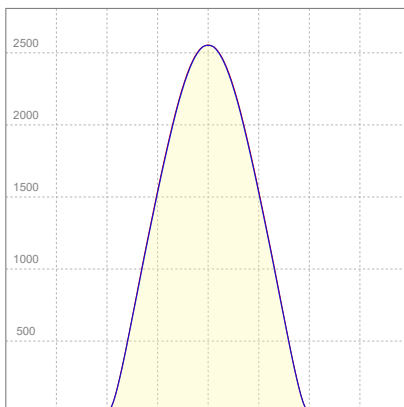
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
103,8°	156,7°	170,1°	80,5%	56,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2550lx	638lx	283lx	159lx	102lx	45lx	26lx	11lx	6lx	4lx	3lx	2lx	1lx
Footcand.	237fcd	59fcd	26fcd	15fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	2,5m	5,1m	7,6m	10,2m	12,7m	19,1m	25,5m	38,2m	51m	63,7m	76,5m	101,9m	127,4m
Beam wid.	8,4ft	16,8ft	25ft	33,4ft	41,8ft	62,7ft	83,6ft	125,4ft	167,2ft	209ft	250,8ft	334,4ft	418ft

LINEAR DISTRIBUTION DIAGRAM

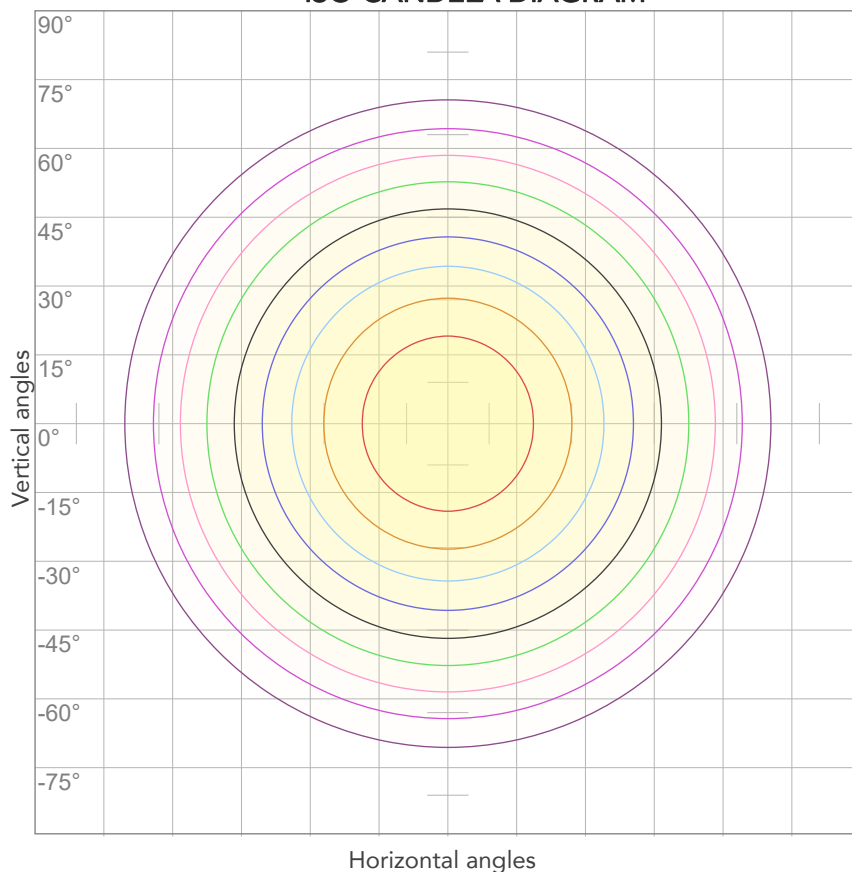


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,460A	103,6W	0,92	64lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



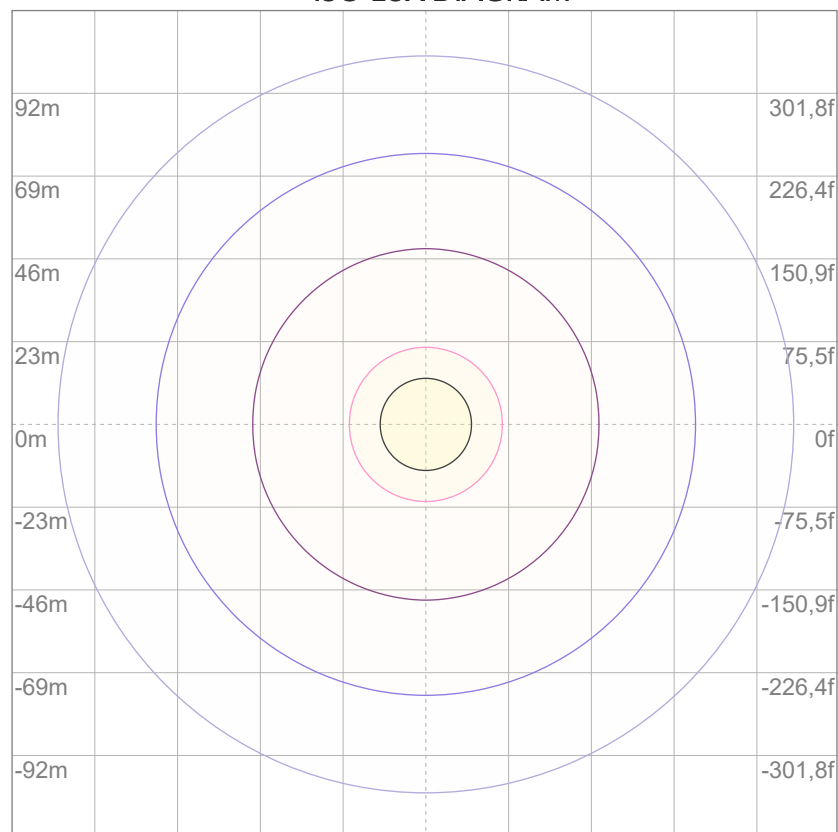
10%	255 cd
20%	510 cd
30%	765 cd
40%	1020 cd
50%	1275 cd
60%	1530 cd
70%	1785 cd
80%	2040 cd

Conditions:

Number of c-planes: 4

Candela at center: 2550 cd

ISO LUX DIAGRAM



3%	0,765 lx
5%	1,28 lx
10%	2,55 lx
30%	7,65 lx
50%	12,8 lx

Conditions:

Number of c-planes: 4

Lux at center: 25,5 lx

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



Total lumen output:

1609 lm

Peak candela output:

613 cd

PRODUCT NAME:

ECLPANELIP SOFT 1X1

MEASURAMENT CONDITIONS:

Beam angle:

MD Filter

Target:

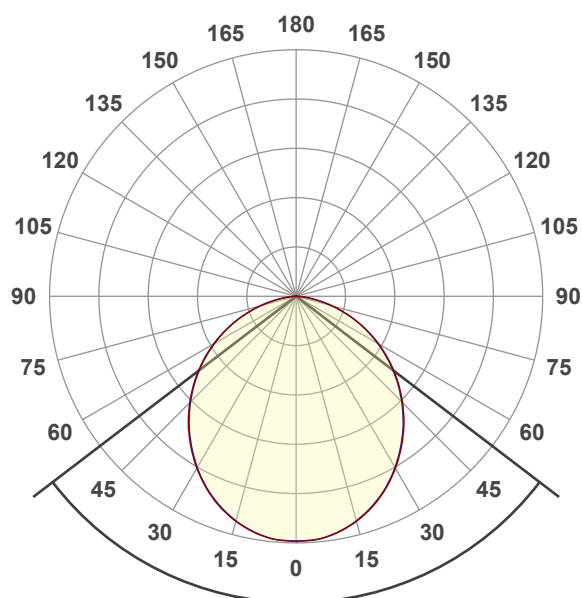
Blue - HQ

Operator:

Salvatore Giglio

Date and time:

09/08/2024 16:55:23

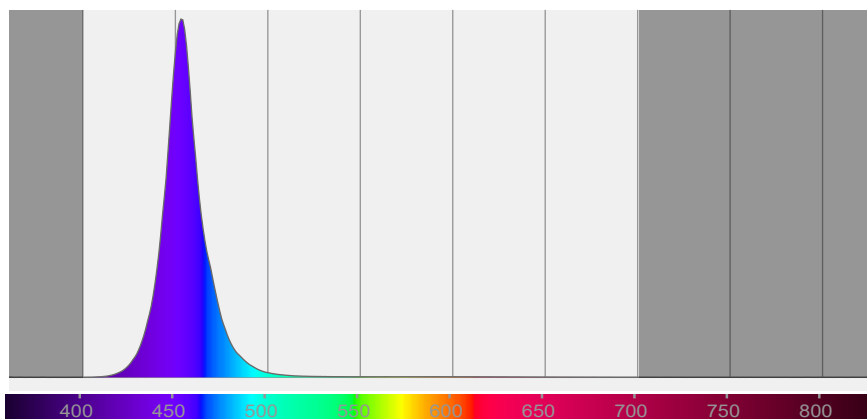


Beam angle 50%: 105,3°

Field angle 10%: 157,3°

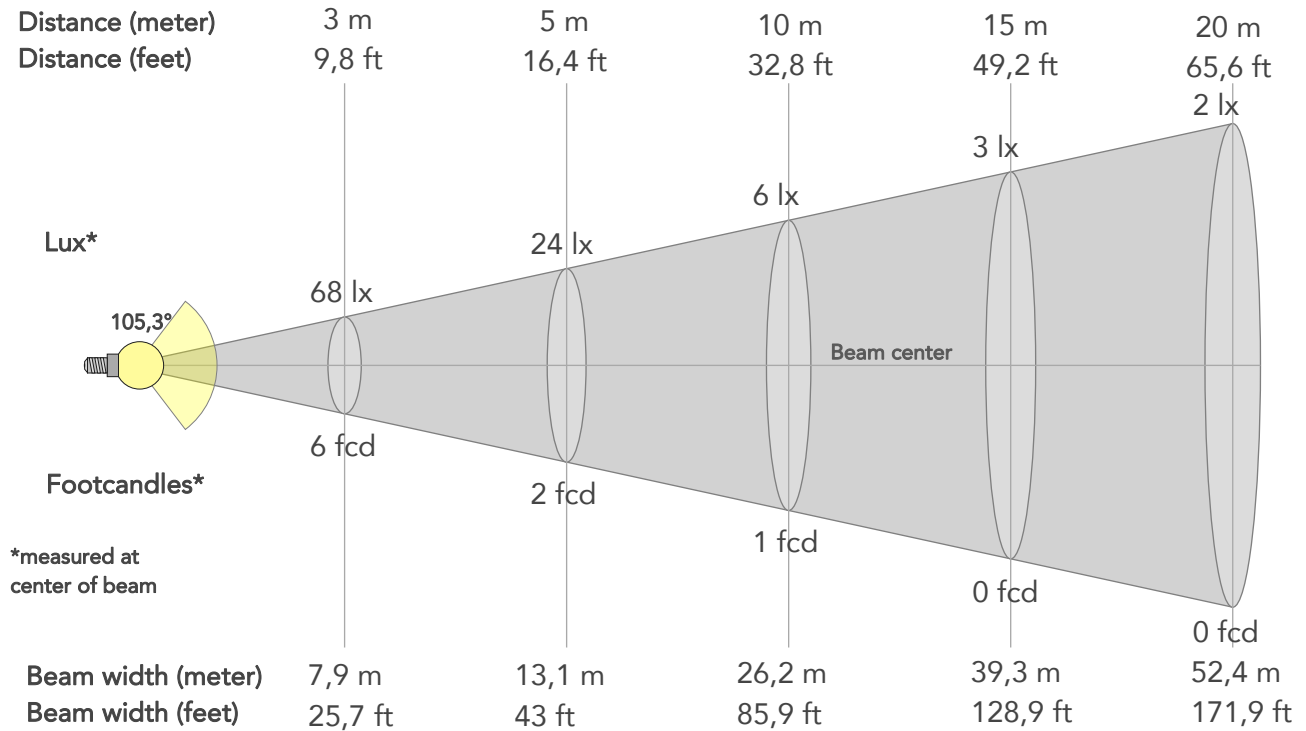
Cut off angle 2.5%: 170,3°

Spectra



BEAM DETAILS

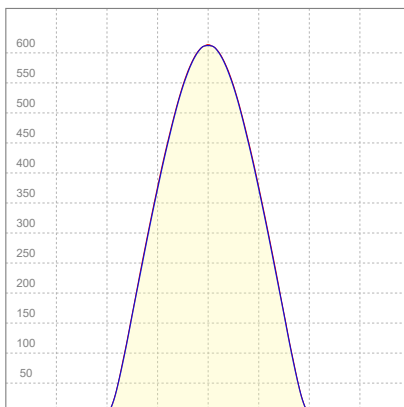
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
105,3°	157,3°	170,3°	80,4%	55,8%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	612lx	153lx	68lx	38lx	24lx	11lx	6lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	57fcd	14fcd	6fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	2,6m	5,2m	7,9m	10,5m	13,1m	19,7m	26,2m	39,3m	52,4m	65,5m	78,6m	104,8m	131m
Beam wid.	8,6ft	17,3ft	25,7ft	34,3ft	43ft	64,5ft	85,9ft	128,9ft	171,9ft	214,9ft	257,8ft	343,8ft	429,7ft

LINEAR DISTRIBUTION DIAGRAM

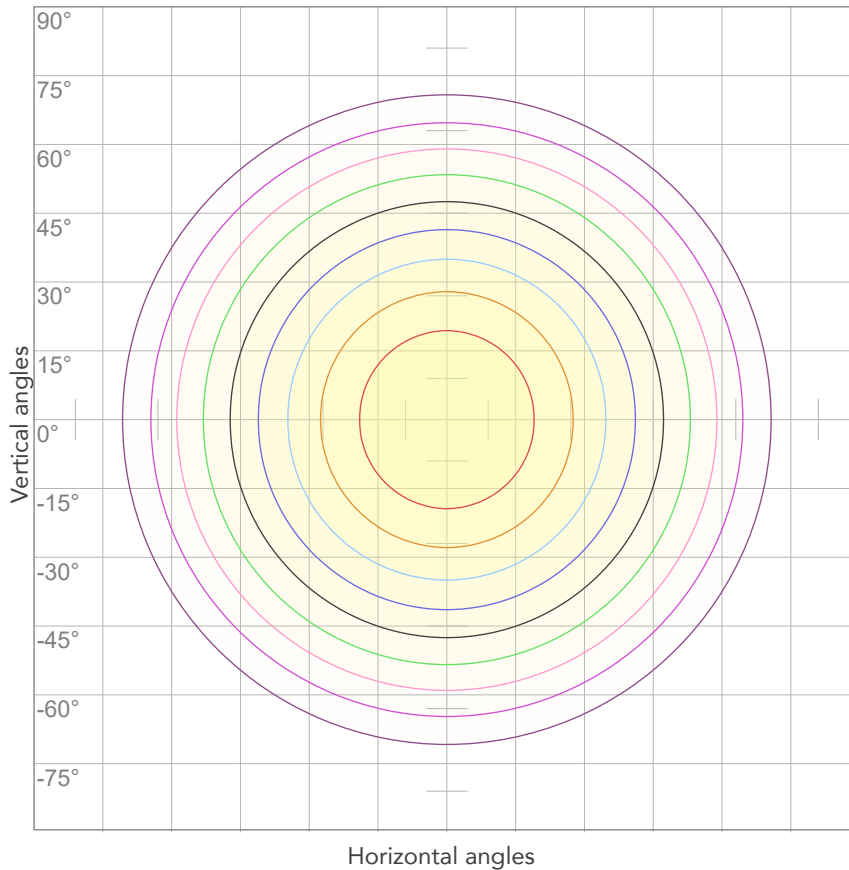


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,463A	104,5W	0,92	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



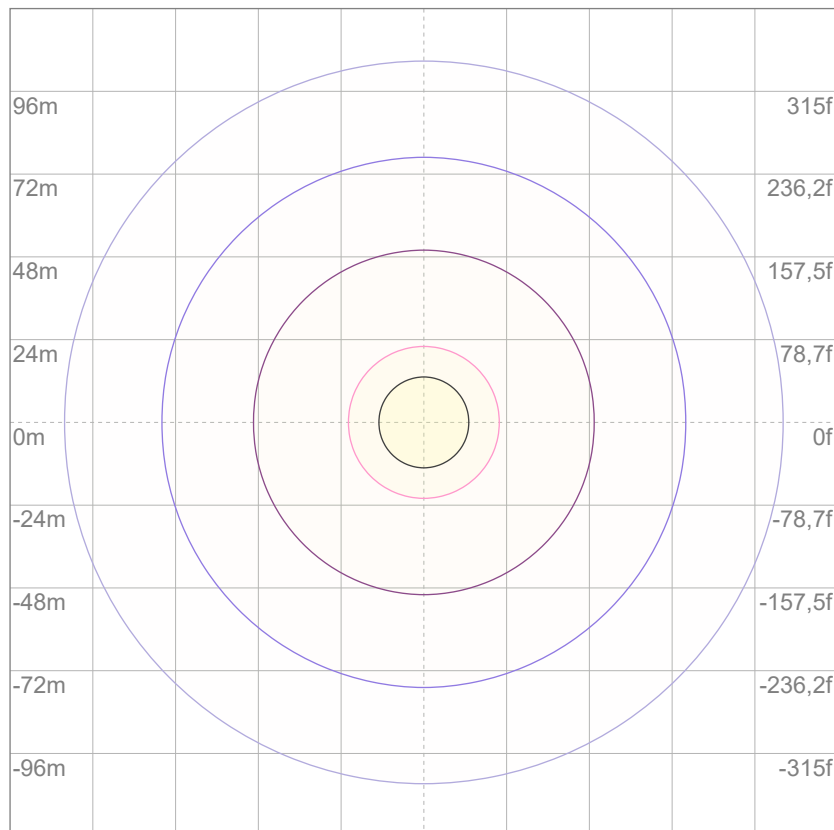
10%	61 cd
20%	122 cd
30%	184 cd
40%	245 cd
50%	306 cd
60%	367 cd
70%	428 cd
80%	489 cd

Conditions:

Number of c-planes: 4

Candela at center: 612 cd

ISO LUX DIAGRAM



3%	0,184 lx
5%	0,306 lx
10%	0,612 lx
30%	1,84 lx
50%	3,06 lx

Conditions:

Number of c-planes: 4

Lux at center: 6,12 lx

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



Total lumen output:

16635 lm

Peak candela output:

6543 cd

PRODUCT NAME:

ECLPANELIP SOFT 1X1

MEASURAMENT CONDITIONS:

Beam angle:

MD Filter

Target:

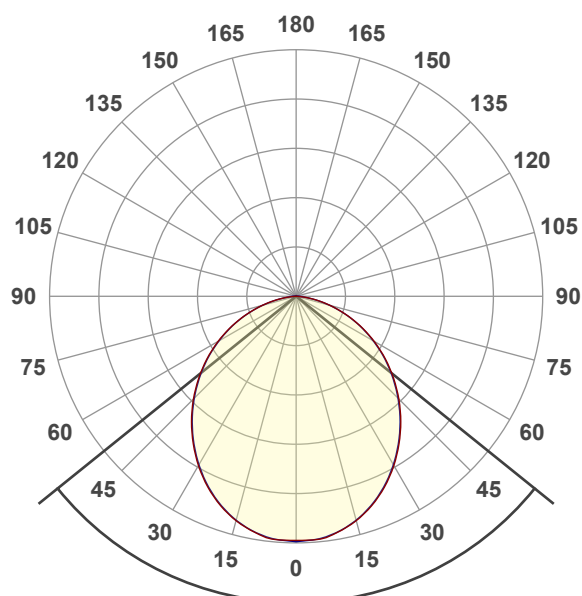
Mint - HQ

Operator:

Salvatore Giglio

Date and time:

09/08/2024 16:57:01

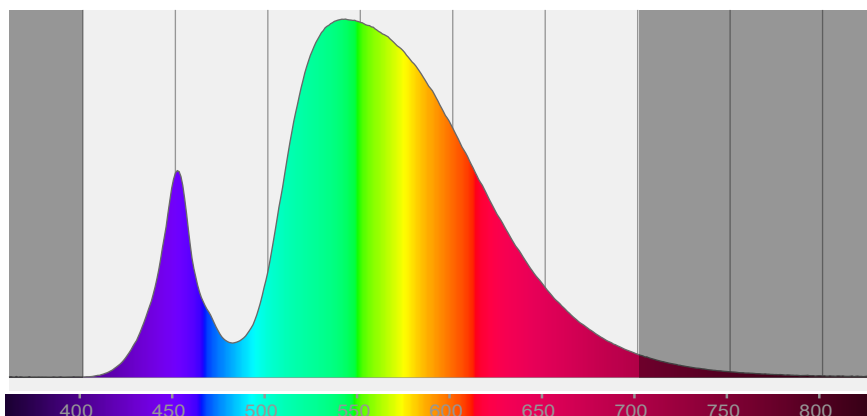


Beam angle 50%: 102,3°

Field angle 10%: 156,2°

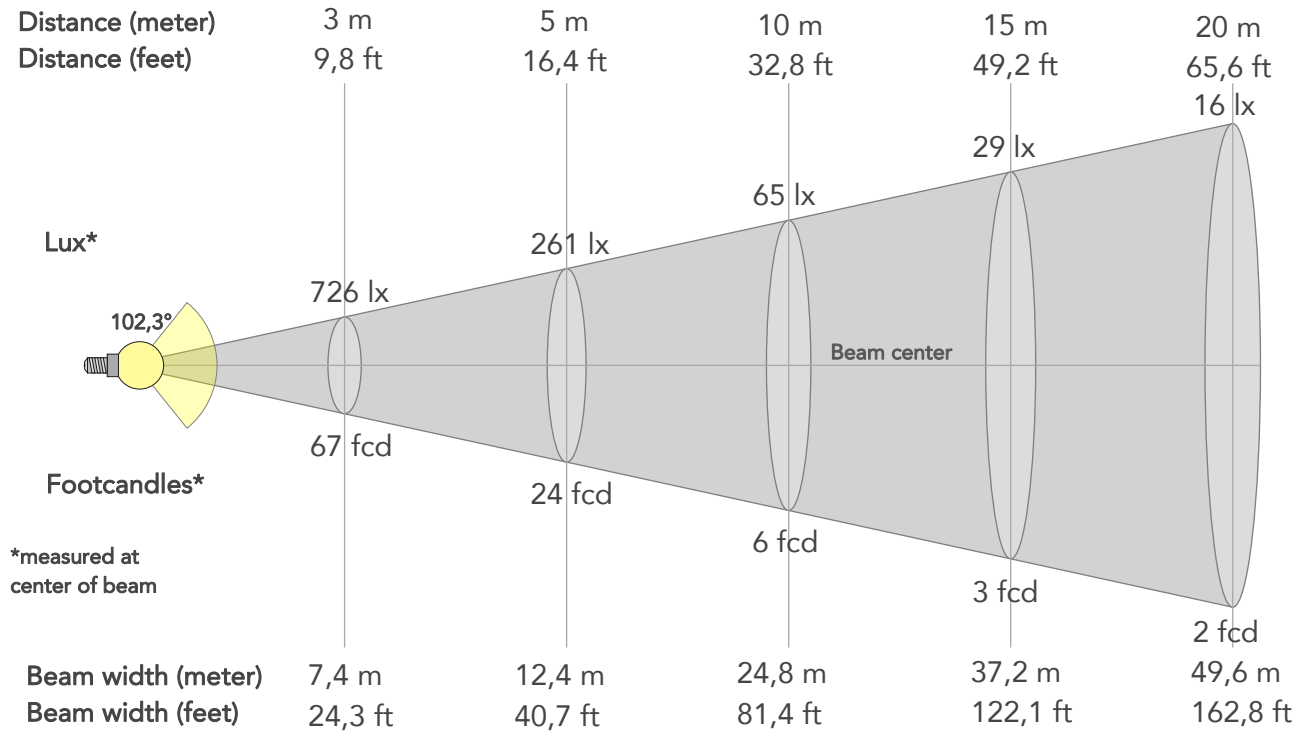
Cut off angle 2.5%: 169,8°

Spectra



BEAM DETAILS

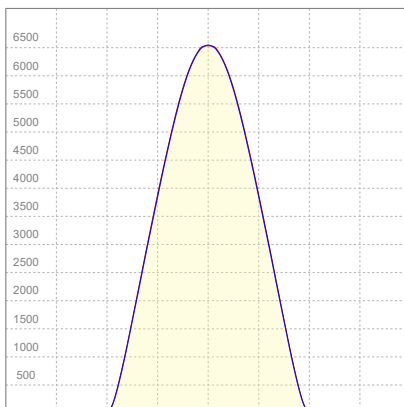
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102,3°	156,2°	169,8°	81,0%	56,7%



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	6531lx	1633lx	726lx	408lx	261lx	116lx	65lx	29lx	16lx	10lx	7lx	4lx	3lx
Footcand.	607fcd	152fcd	67fcd	38fcd	24fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	2,5m	5m	7,4m	9,9m	12,4m	18,6m	24,8m	37,2m	49,6m	62,1m	74,5m	99,3m	124,1m
Beam wid.	8,2ft	16,4ft	24,3ft	32,5ft	40,7ft	61,1ft	81,4ft	122,1ft	162,8ft	203,6ft	244,3ft	325,7ft	407,1ft

LINEAR DISTRIBUTION DIAGRAM

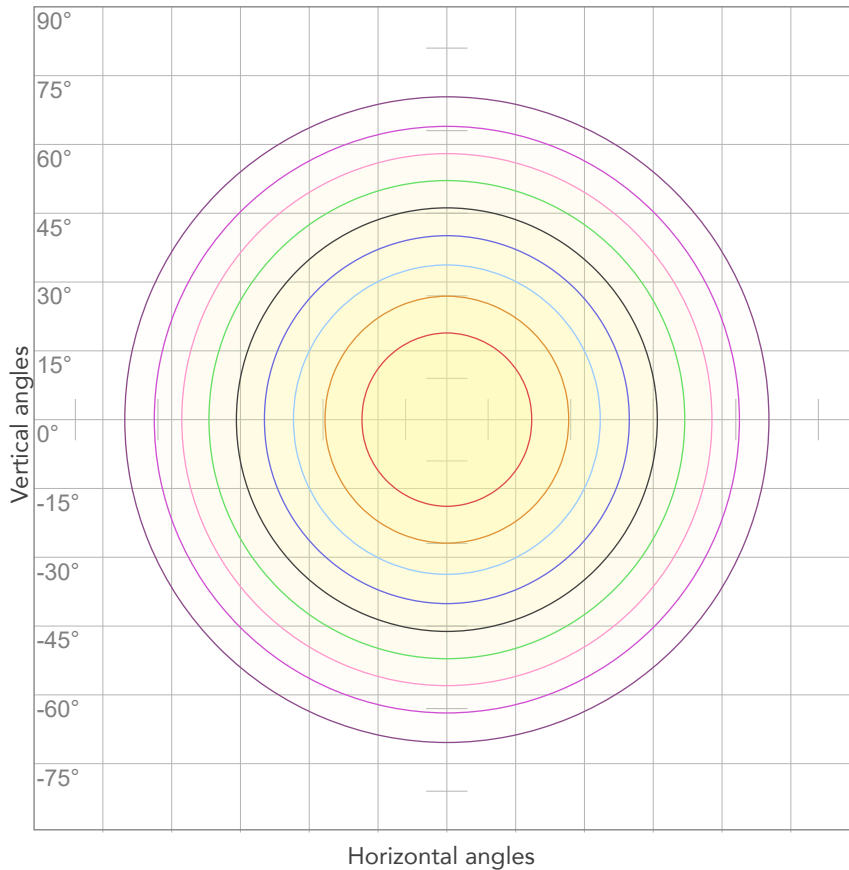


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,538A	121,5W	0,95	137lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



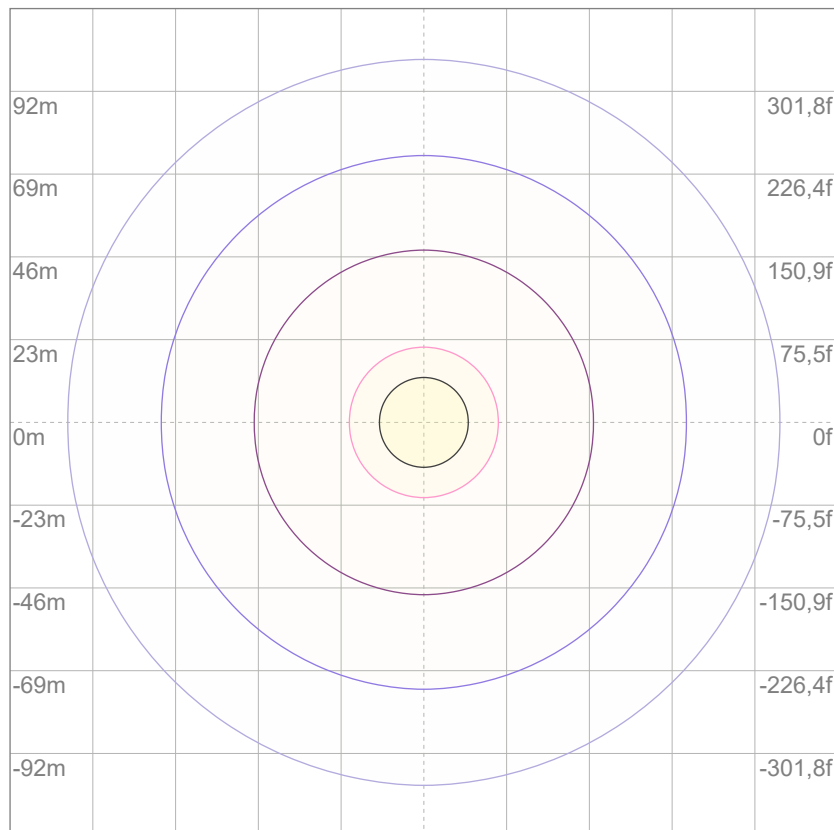
10%	653 cd
20%	1306 cd
30%	1959 cd
40%	2612 cd
50%	3265 cd
60%	3919 cd
70%	4572 cd
80%	5225 cd

Conditions:

Number of c-planes: 4

Candela at center: 6531 cd

ISO LUX DIAGRAM



3%	1,96 lx
5%	3,27 lx
10%	6,53 lx
30%	19,6 lx
50%	32,7 lx

Conditions:

Number of c-planes: 4

Lux at center: 65,3 lx

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



Total lumen output:

5719 lm

Peak candela output:

2199 cd

PRODUCT NAME:

ECLPANELIP SOFT 1X1

MEASURAMENT CONDITIONS:

Beam angle:

MD Filter

Target:

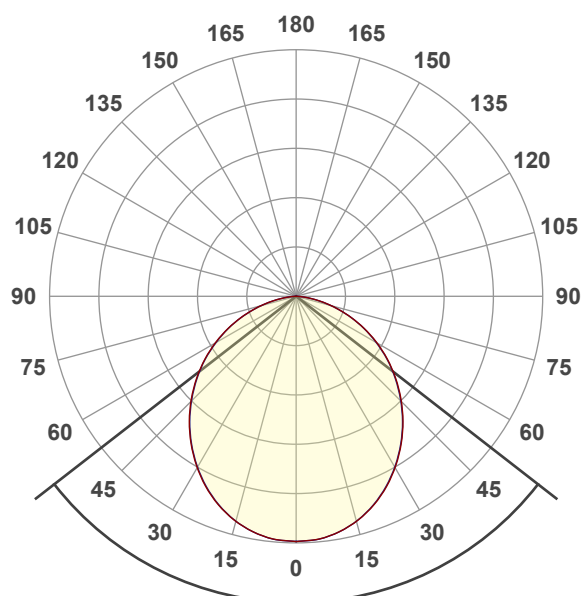
Cyan - HQ

Operator:

Salvatore Giglio

Date and time:

09/08/2024 16:59:23

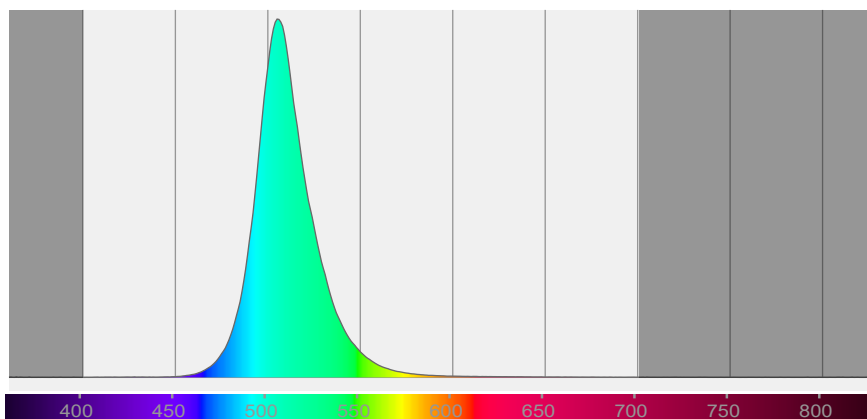


Beam angle 50%: 104,3°

Field angle 10%: 156,9°

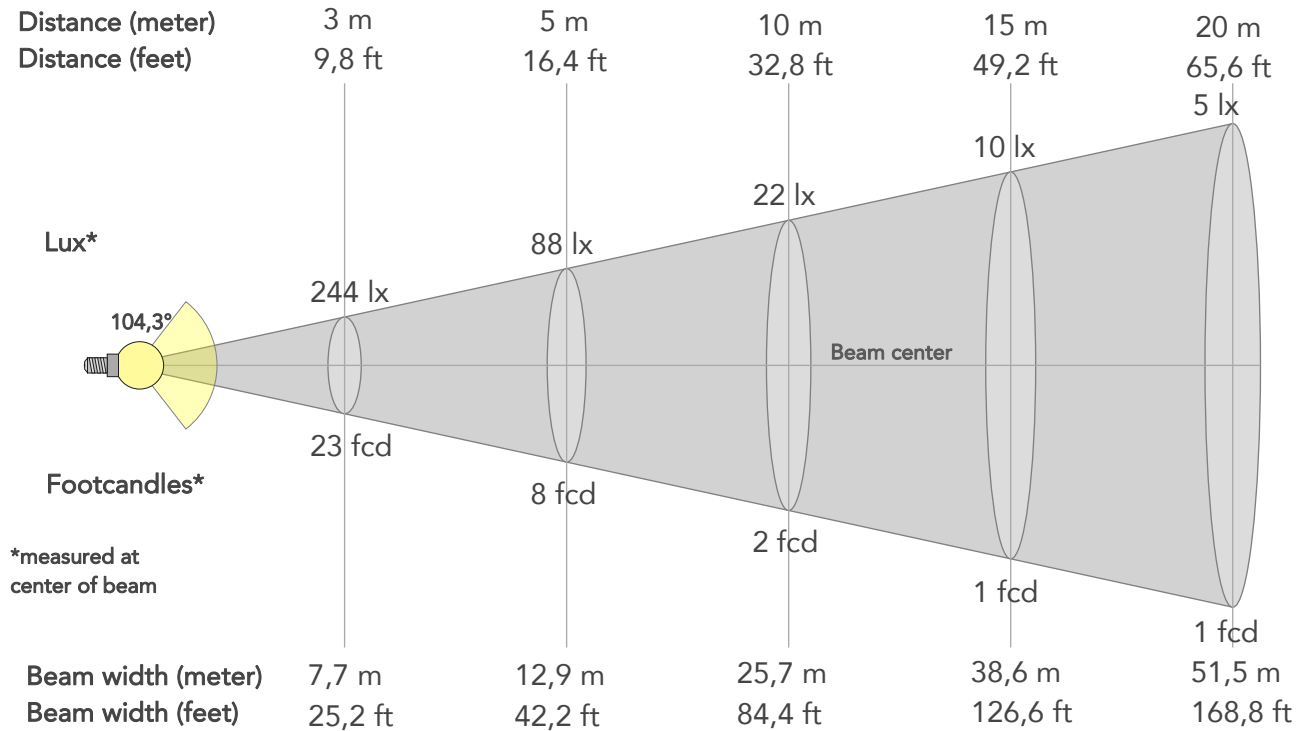
Cut off angle 2.5%: 169,9°

Spectra



BEAM DETAILS

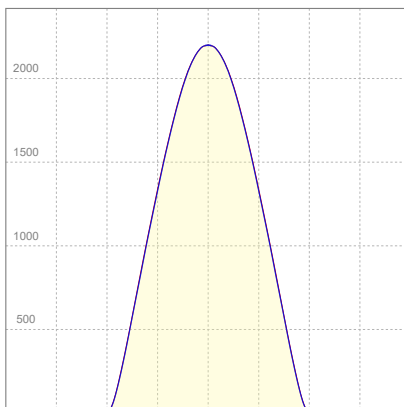
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
104,3°	156,9°	169,9°	80,7%	56,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2199lx	550lx	244lx	137lx	88lx	39lx	22lx	10lx	5lx	4lx	2lx	1lx	1lx
Footcand.	204fcd	51fcd	23fcd	13fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	2,6m	5,1m	7,7m	10,3m	12,9m	19,3m	25,7m	38,6m	51,5m	64,3m	77,2m	103m	128,7m
Beam wid.	8,5ft	17ft	25,2ft	33,7ft	42,2ft	63,3ft	84,4ft	126,6ft	168,8ft	211,1ft	253,3ft	337,7ft	422,1ft

LINEAR DISTRIBUTION DIAGRAM

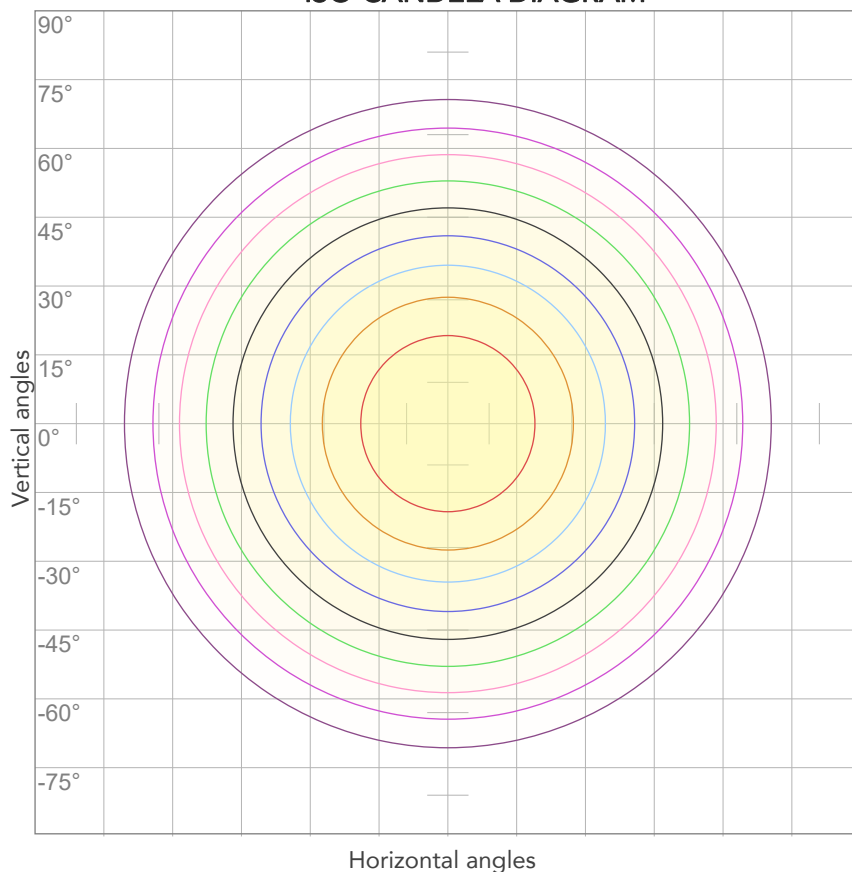


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,468A	105,5W	0,93	54lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



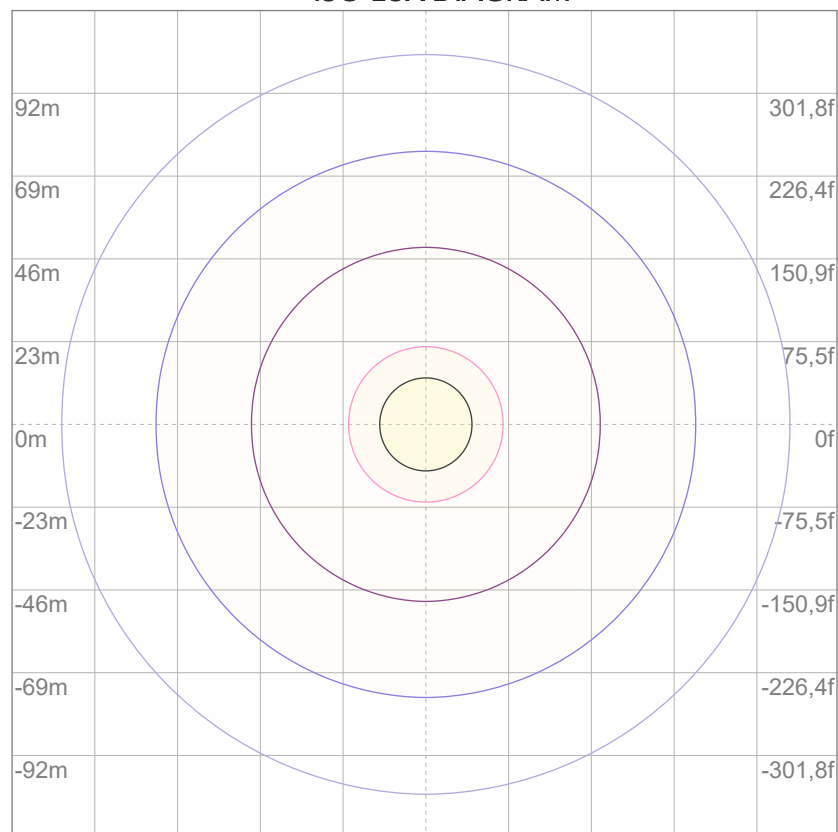
10%	220 cd
20%	440 cd
30%	660 cd
40%	879 cd
50%	1099 cd
60%	1319 cd
70%	1539 cd
80%	1759 cd

Conditions:

Number of c-planes: 4

Candela at center: 2199 cd

ISO LUX DIAGRAM



3%	0,660 lx
5%	1,10 lx
10%	2,20 lx
30%	6,60 lx
50%	11,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 22,0 lx

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



Total lumen output:

13801 lm

Peak candela output:

5445 cd

Light quality:

CRI: 82,8

Color temperature:

3054 K

PRODUCT NAME:

ECLPANELIP SOFT 1X1

MEASURAMENT CONDITIONS:

Beam angle:

MD Filter

Target:

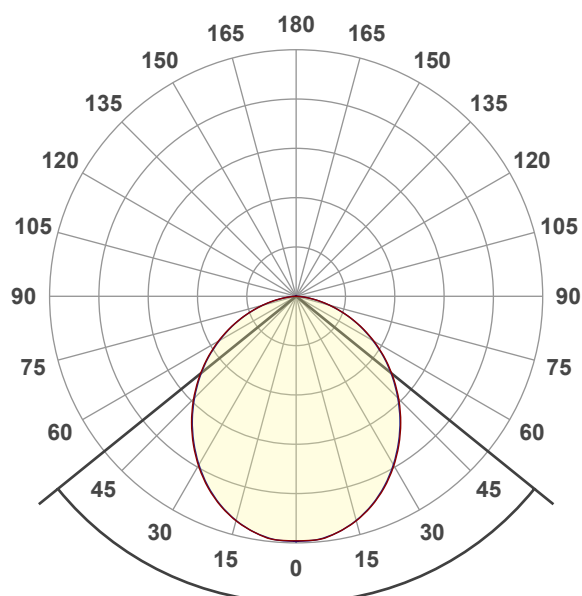
White - HQ

Operator:

Salvatore Giglio

Date and time:

09/08/2024 17:01:43



Beam angle 50%: 102,1°

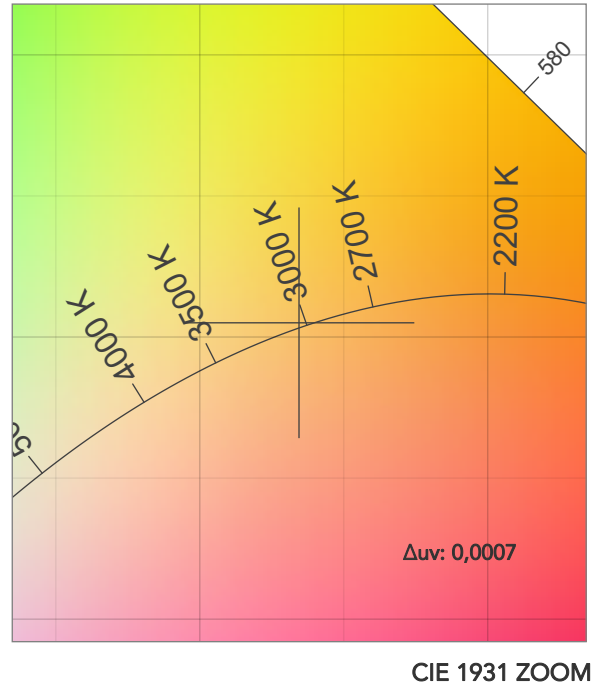
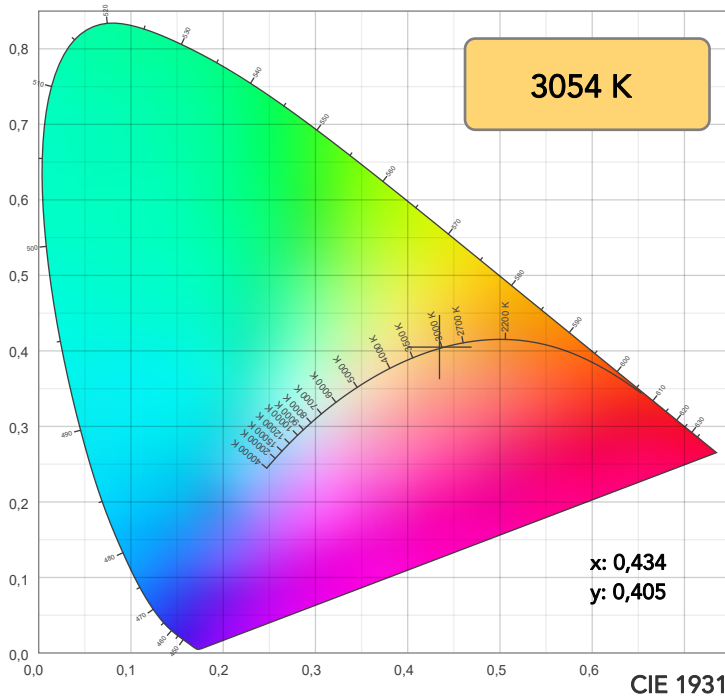
Field angle 10%: 156,2°

Cut off angle 2.5%: 169,8°

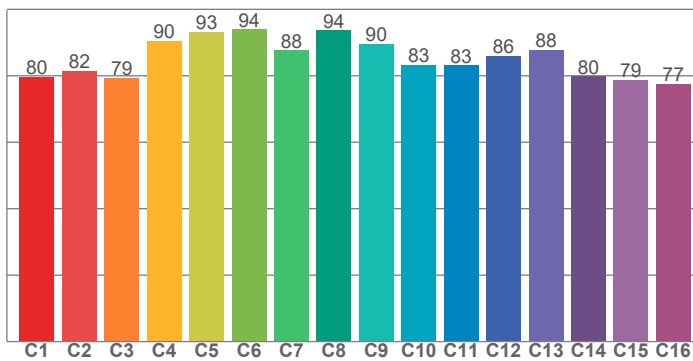
Spectra



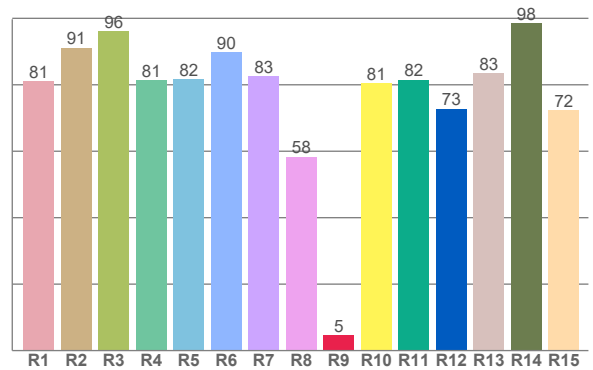
COLOR DETAILS



TM30: 85,4



CRI: 82,8 (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
81,0	91,2	96,2	81,4	81,6	89,8	82,6	58,3	4,7	80,5	81,5	72,8	83,5	98,4	72,3

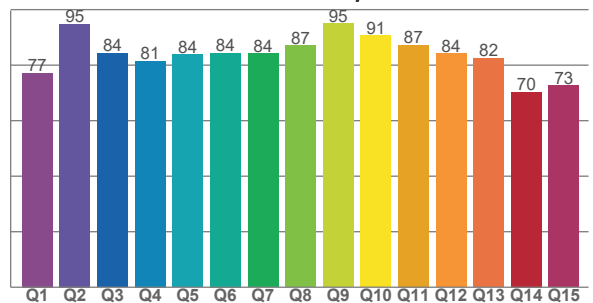
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79,6	81,5	79,4	90,5	93,3	93,9	87,7	93,7	89,6	83,3	83,1	86,0	87,8	79,8	78,8	77,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,2	94,9	84,2	81,5	83,8	84,3	84,2	87,0	95,0	90,7	87,3	84,2	82,4	70,3	72,6

CQS: 82,5



COLOR PARAMETERS

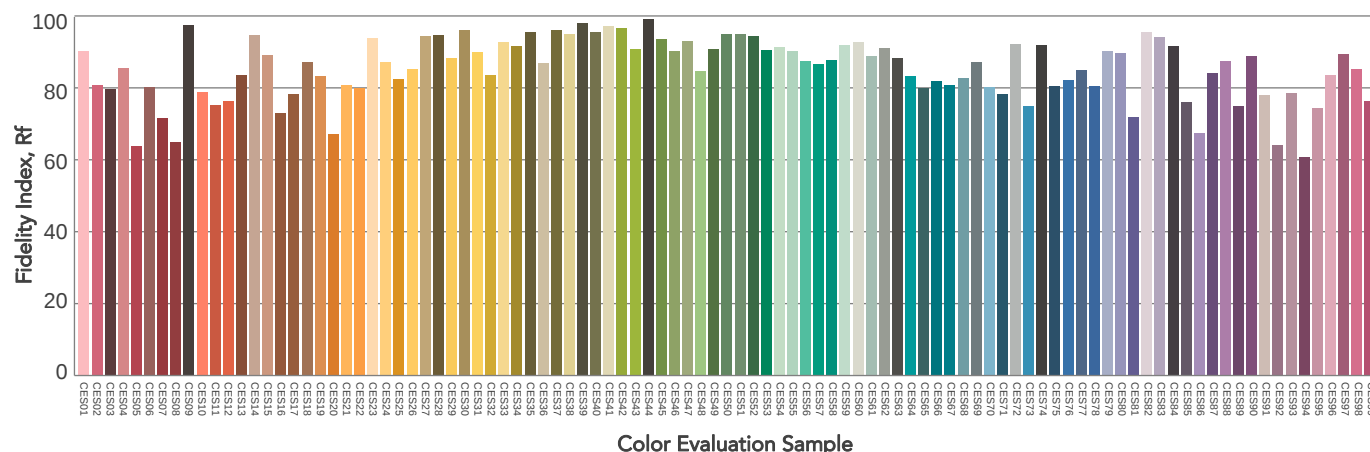
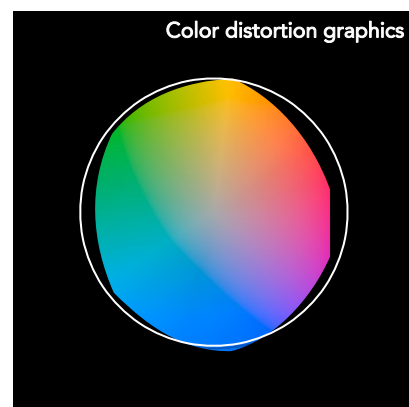
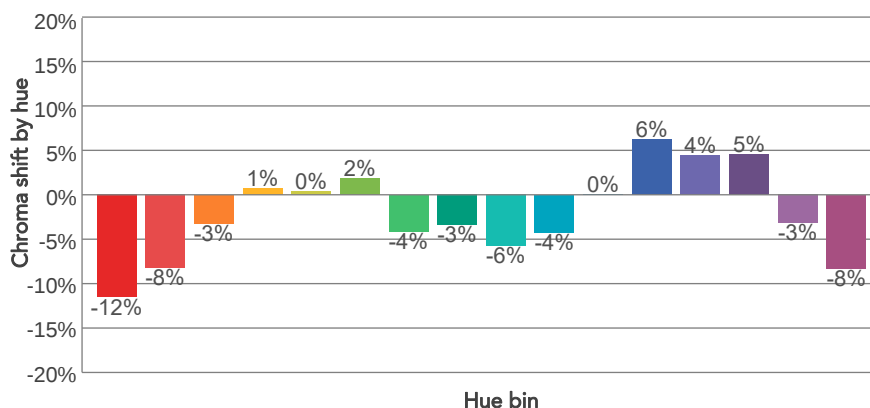
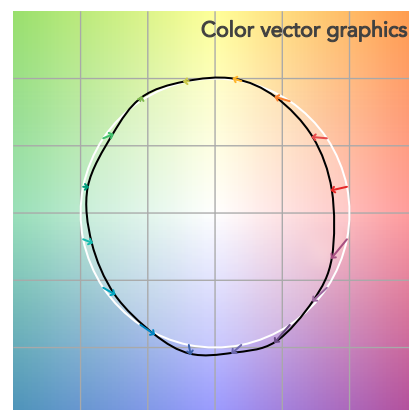
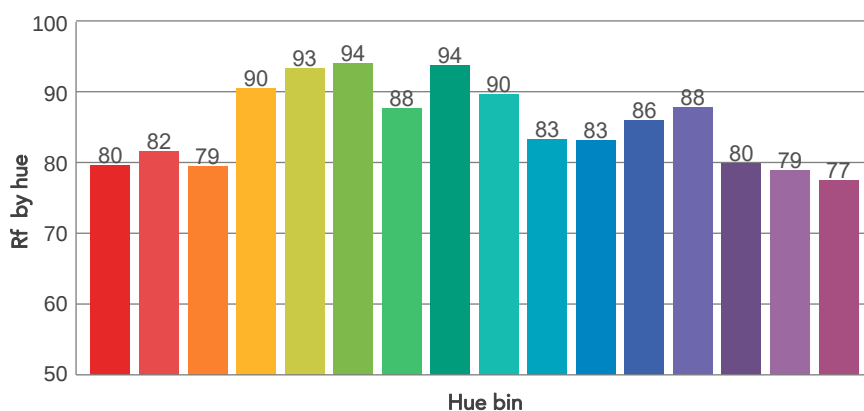
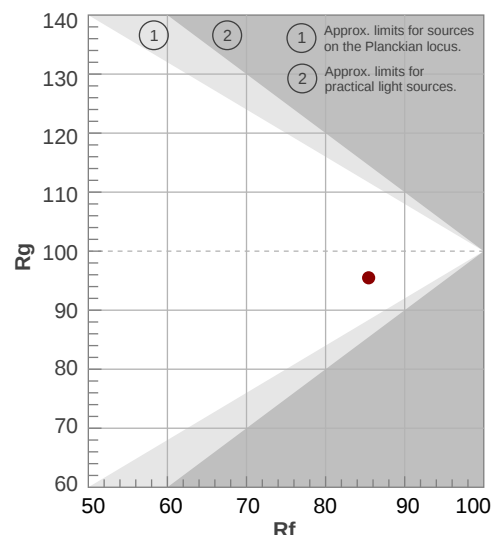
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3054 K	82,8	4,7	85,4	95,5	82,5	68	0,434	0,405	0,0007

TM30 DETAILS

Rf 85,4
Fidelity index Rf

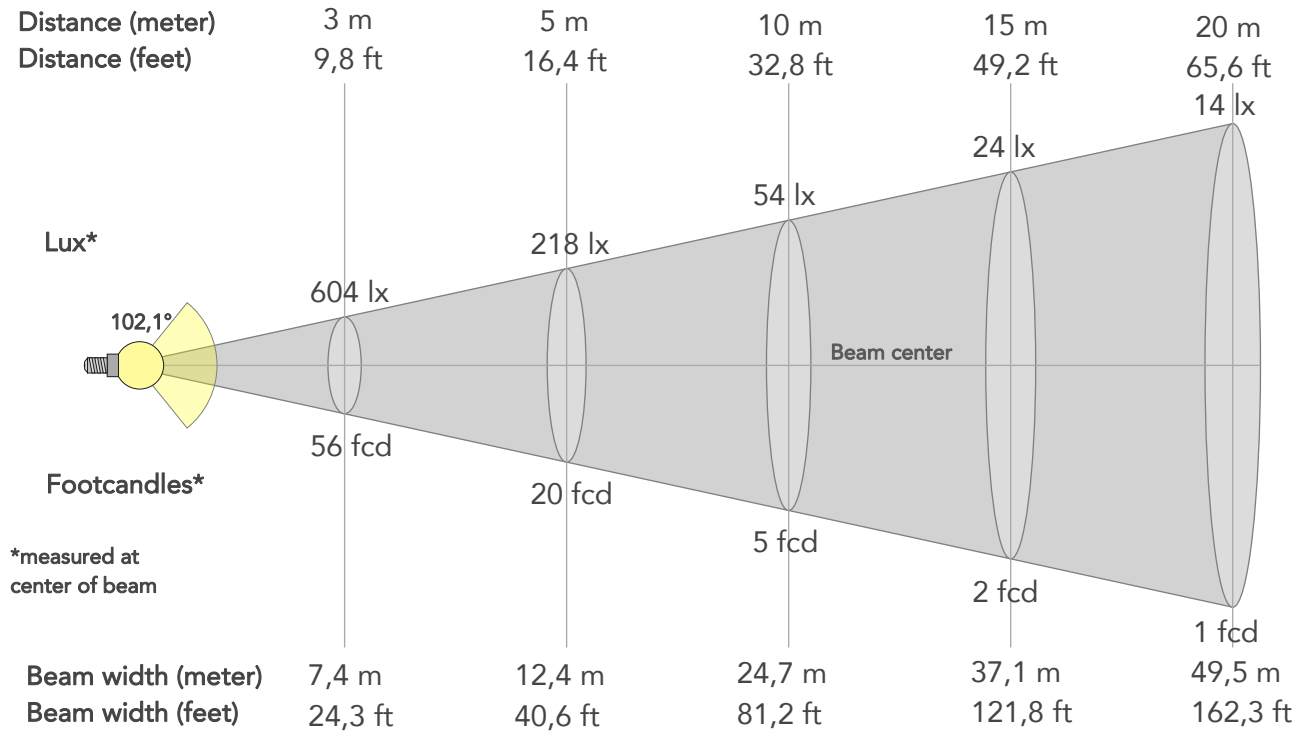
Rg 95,5
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-12%	0%
2	82	-8%	7%
3	79	-3%	10%
4	90	1%	6%
5	93	0%	3%
6	94	2%	-2%
7	88	-4%	-6%
8	94	-3%	-1%
9	90	-6%	4%
10	83	-4%	8%
11	83	0%	12%
12	86	6%	2%
13	88	4%	-8%
14	80	5%	-16%
15	79	-3%	-14%
16	77	-8%	-16%



BEAM DETAILS

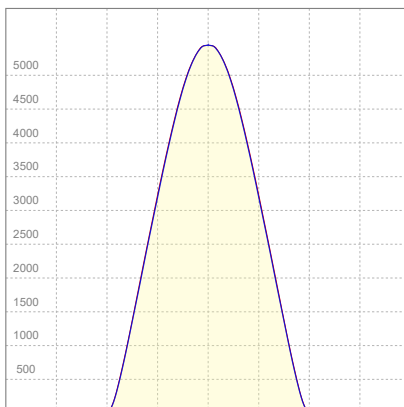
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102,1°	156,2°	169,8°	81,2%	56,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5438lx	1360lx	604lx	340lx	218lx	97lx	54lx	24lx	14lx	9lx	6lx	3lx	2lx
Footcand.	505fcd	126fcd	56fcd	32fcd	20fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	2,5m	4,9m	7,4m	9,9m	12,4m	18,6m	24,7m	37,1m	49,5m	61,9m	74,2m	99m	123,7m
Beam wid.	8,2ft	16,3ft	24,3ft	32,4ft	40,6ft	60,9ft	81,2ft	121,8ft	162,3ft	202,9ft	243,5ft	324,7ft	405,8ft

LINEAR DISTRIBUTION DIAGRAM

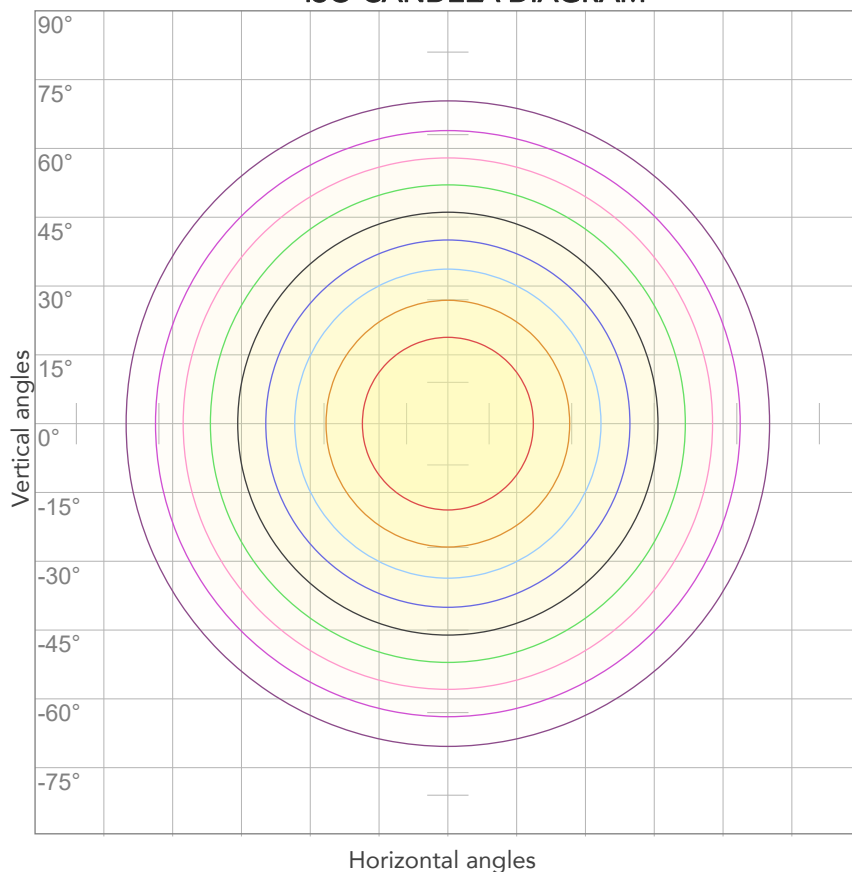


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,516A	116,3W	0,94	119lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



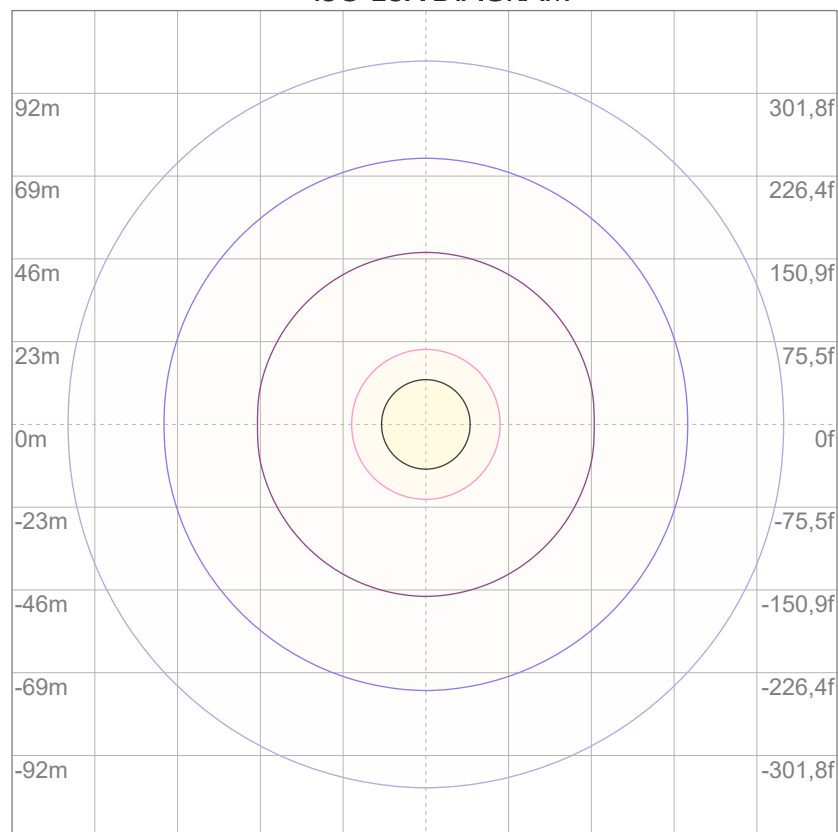
10%	544 cd
20%	1088 cd
30%	1631 cd
40%	2175 cd
50%	2719 cd
60%	3263 cd
70%	3807 cd
80%	4351 cd

Conditions:

Number of c-planes: 4

Candela at center: 5438 cd

ISO LUX DIAGRAM



3%	1,63 lx
5%	2,72 lx
10%	5,44 lx
30%	16,3 lx
50%	27,2 lx

Conditions:

Number of c-planes: 4

Lux at center: 54,4 lx

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



Total lumen output:

26838 lm

Peak candela output:

10517 cd

Light quality:

CRI: 97,4

Color temperature:

6508 K

PRODUCT NAME:

ECLPANELIP SOFT 1X1

MEASURAMENT CONDITIONS:

Beam angle:

MD Filter

Target:

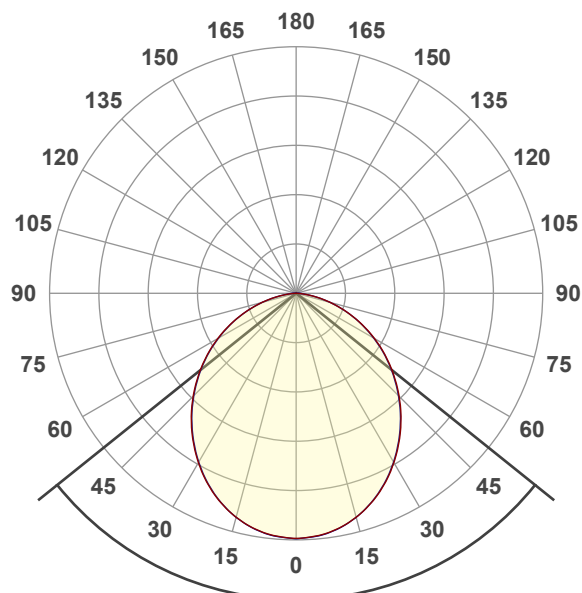
Full On - HQ - RGB Mode

Operator:

Salvatore Giglio

Date and time:

09/08/2024 16:34:50

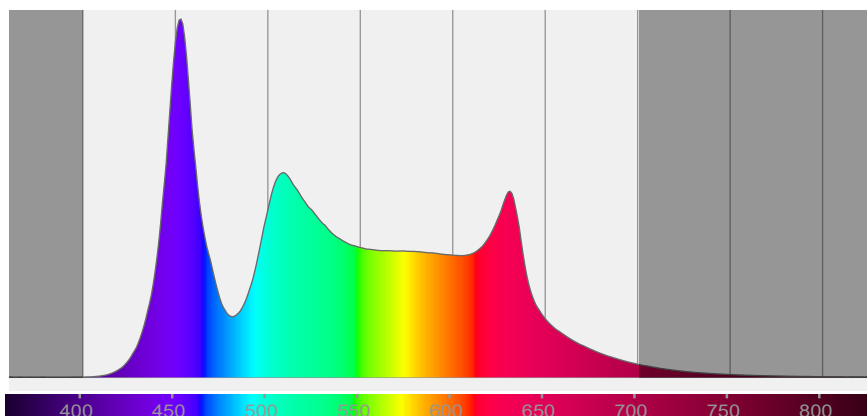


Beam angle 50%: 102,5°

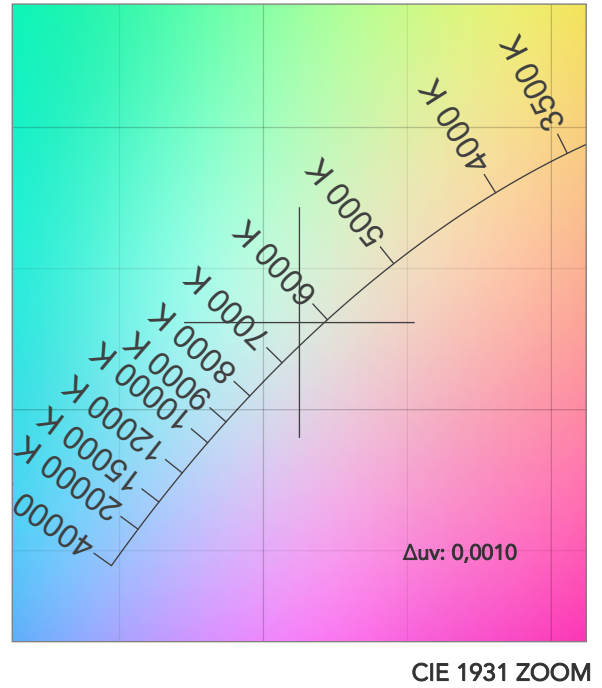
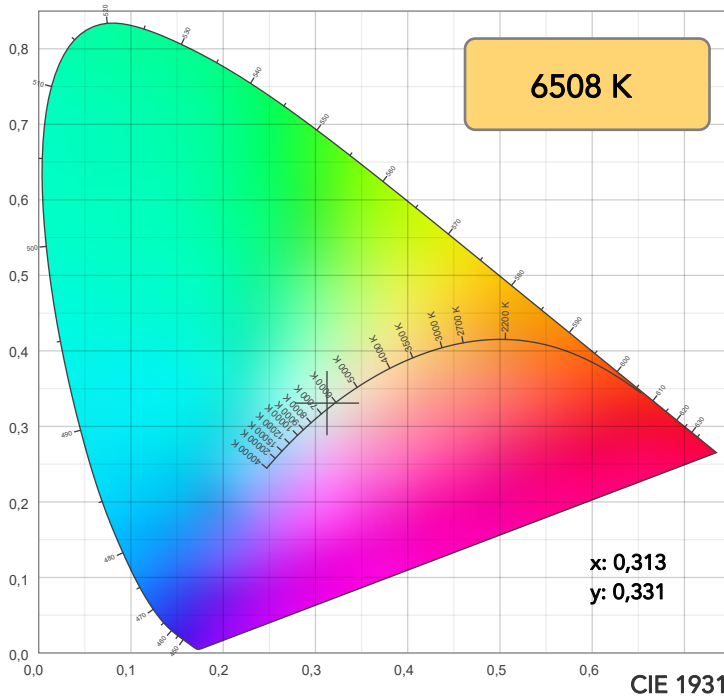
Field angle 10%: 156,4°

Cut off angle 2.5%: 170°

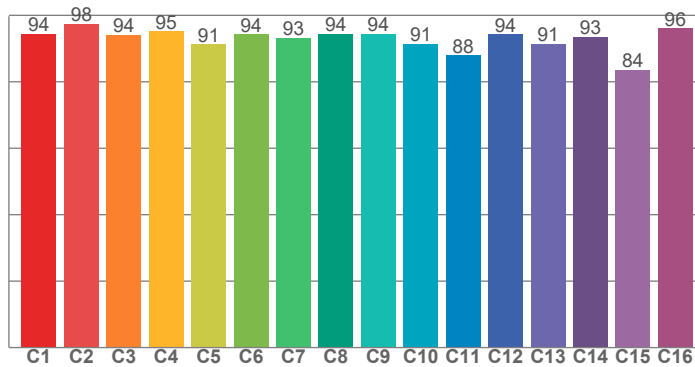
Spectra



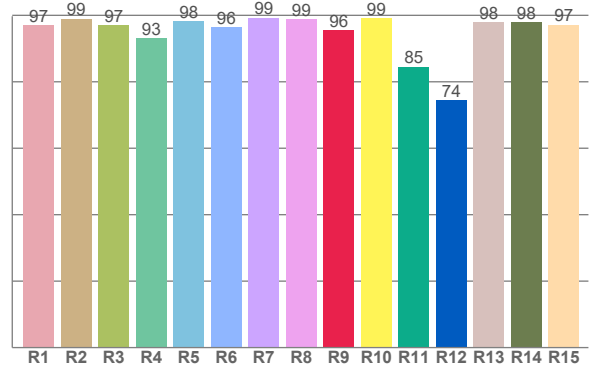
COLOR DETAILS



TM30: 92,8



CRI: 97,4 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,1	98,9	96,9	93,2	98,3	96,4	99,3	98,9	95,6	99,2	84,6	74,5	97,8	97,9	97,2

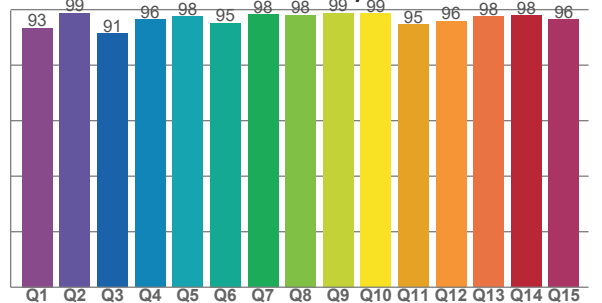
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,4	97,5	94,1	95,1	91,3	94,3	93,3	94,4	94,5	91,4	87,9	94,3	91,5	93,5	83,5	96,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,4	98,7	91,3	96,4	97,6	95,2	98,2	98,1	98,7	98,6	94,6	95,9	97,5	97,9	96,4

CQS: 96,0



COLOR PARAMETERS

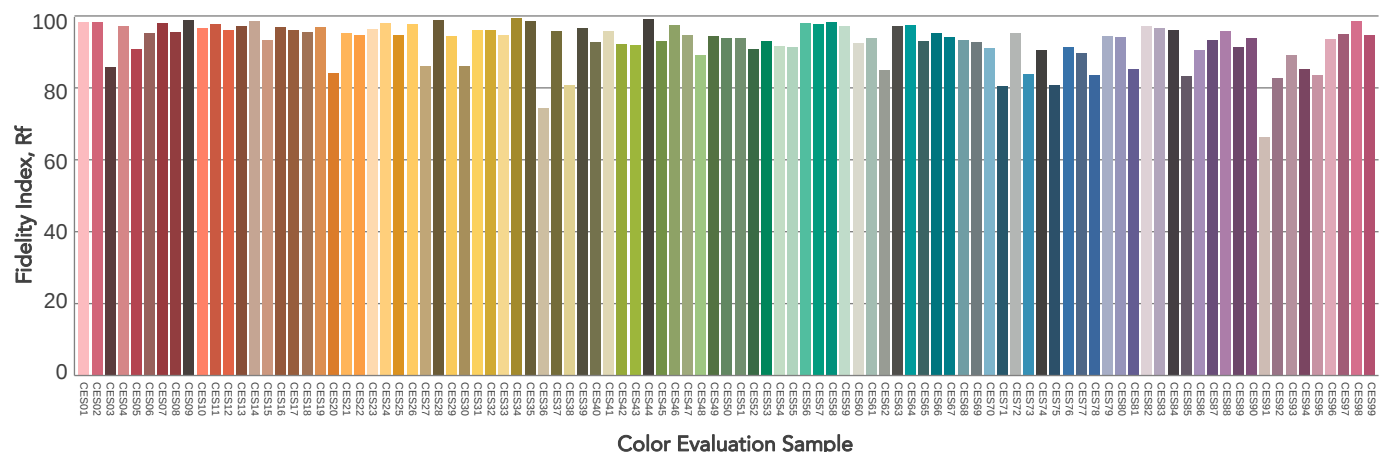
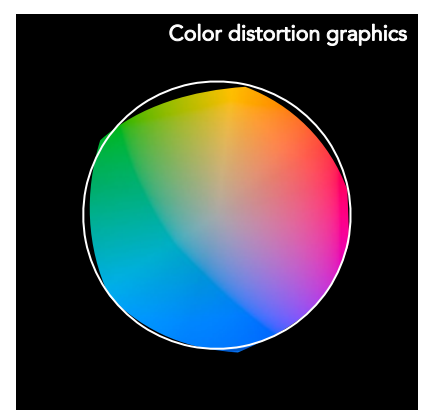
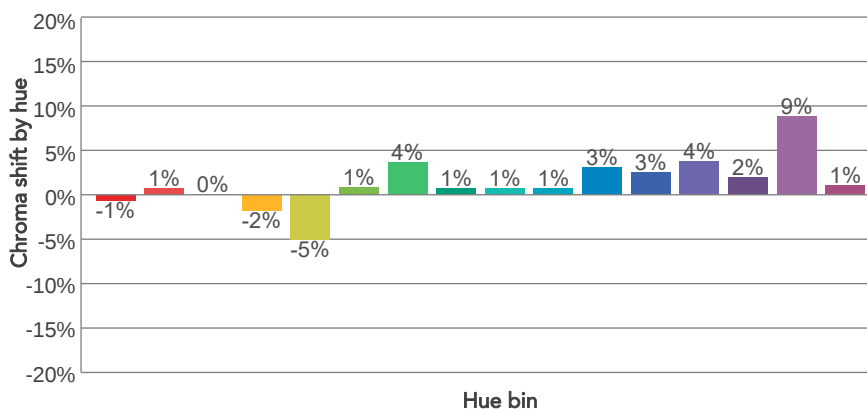
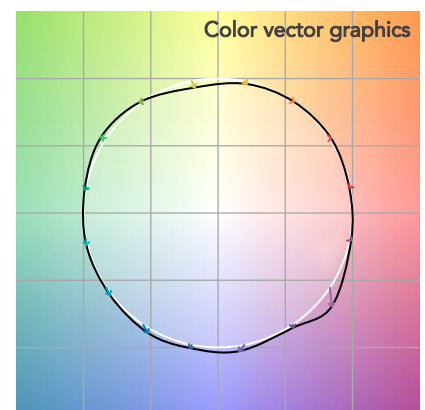
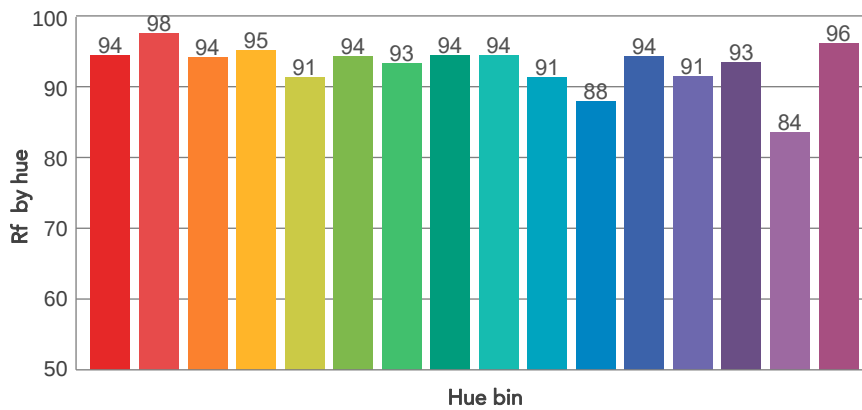
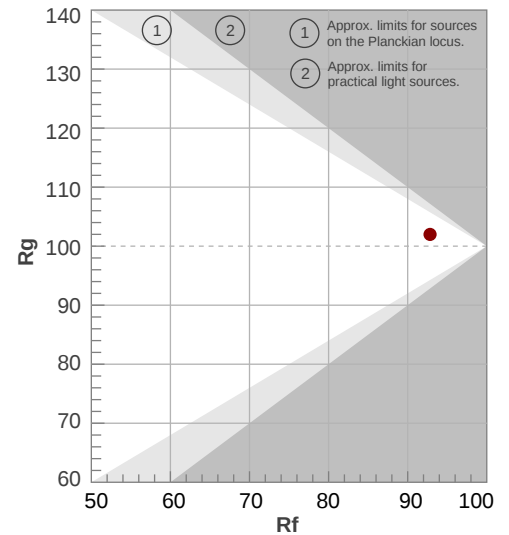
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6508 K	97,4	95,6	92,8	102,0	96,0	92	0,313	0,331	0,0010

TM30 DETAILS

Rf 92,8
Fidelity index Rf

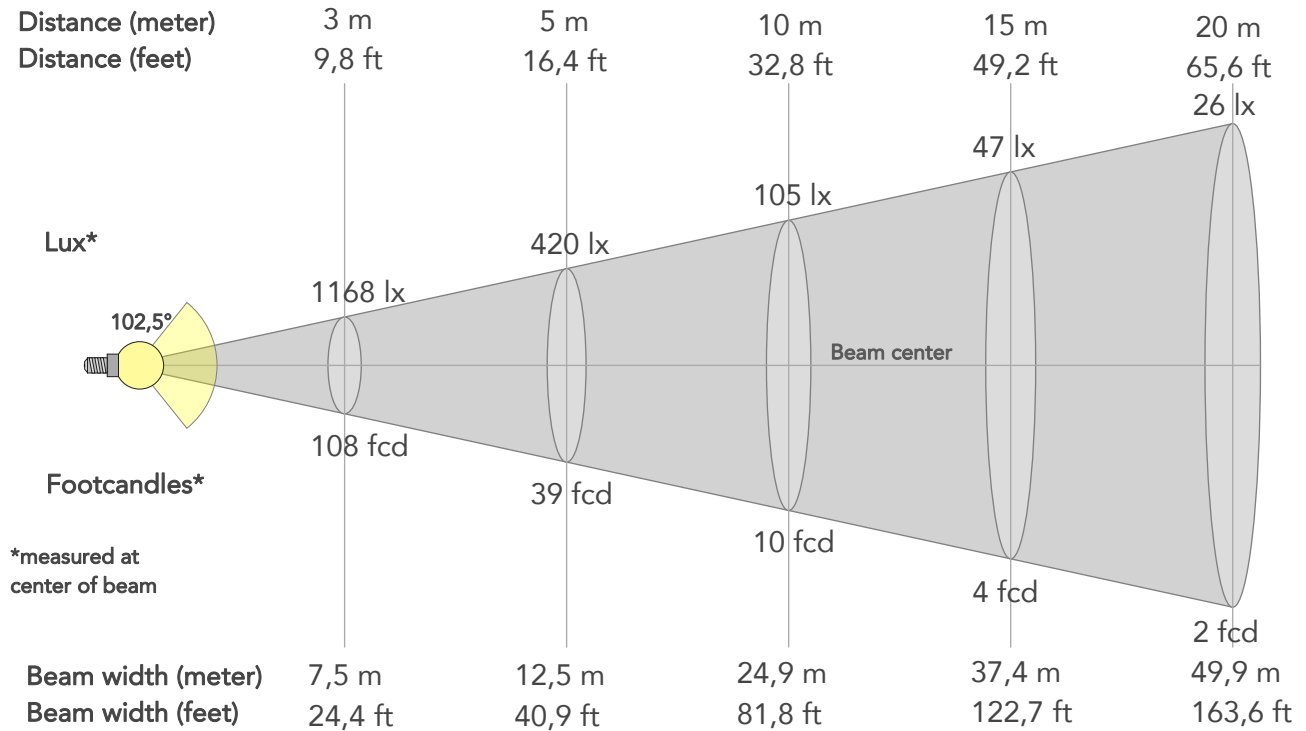
Rg 102,0
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-1%	0%
2	98	1%	0%
3	94	0%	-1%
4	95	-2%	-2%
5	91	-5%	-1%
6	94	1%	3%
7	93	4%	2%
8	94	1%	2%
9	94	1%	4%
10	91	1%	6%
11	88	3%	6%
12	94	3%	-1%
13	91	4%	-5%
14	93	2%	-1%
15	84	9%	-11%
16	96	1%	-1%



BEAM DETAILS

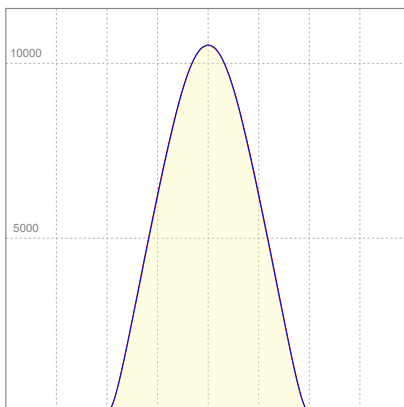
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102,5°	156,4°	170°	80,9%	56,6%



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	10511lx	2628lx	1168lx	657lx	420lx	187lx	105lx	47lx	26lx	17lx	12lx	7lx	4lx
Footcand.	976fcd	244fcd	108fcd	61fcd	39fcd	17fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	2,5m	5m	7,5m	10m	12,5m	18,7m	24,9m	37,4m	49,9m	62,3m	74,8m	99,7m	124,7m
Beam wid.	8,2ft	16,5ft	24,4ft	32,7ft	40,9ft	61,3ft	81,8ft	122,7ft	163,6ft	204,4ft	245,3ft	327,1ft	408,9ft

LINEAR DISTRIBUTION DIAGRAM

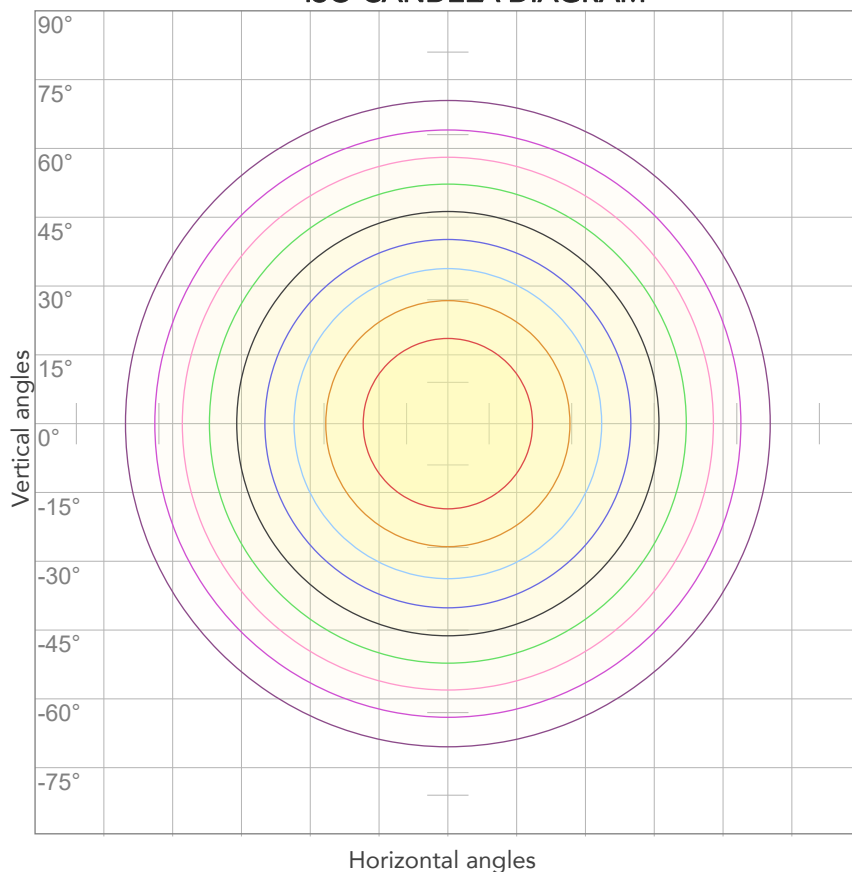


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	1,34A	301W	0,99	89lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



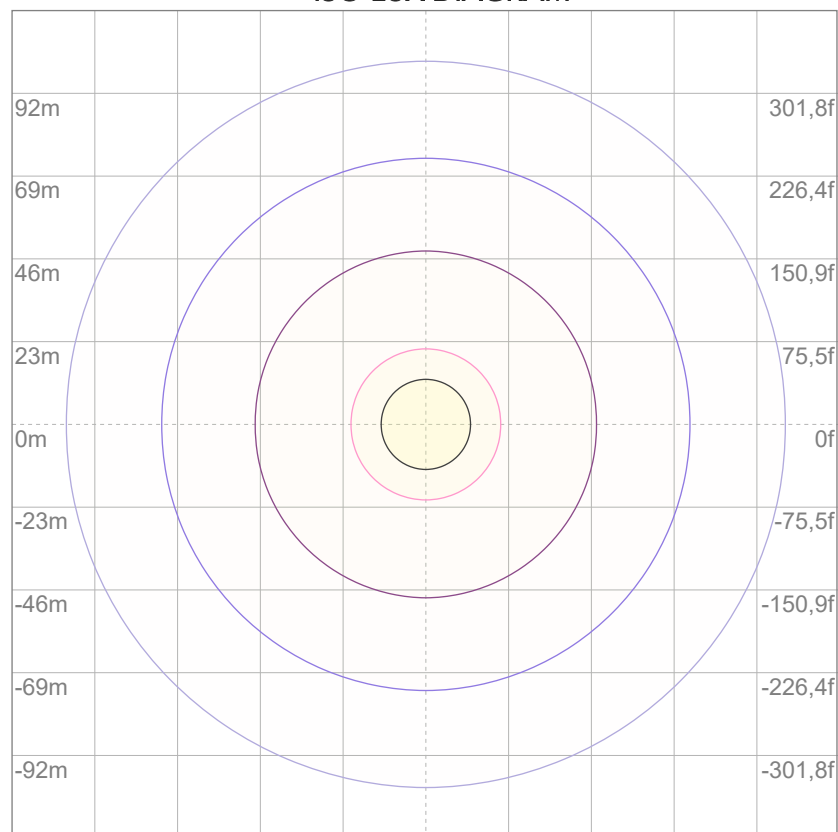
10%	1051 cd
20%	2102 cd
30%	3153 cd
40%	4204 cd
50%	5255 cd
60%	6307 cd
70%	7358 cd
80%	8409 cd

Conditions:

Number of c-planes: 4

Candela at center: 10511 cd

ISO LUX DIAGRAM



3%	3,15 lx
5%	5,26 lx
10%	10,5 lx
30%	31,5 lx
50%	52,6 lx

Conditions:

Number of c-planes: 4

Lux at center: 105 lx

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



Total lumen output:

3502 lm

Peak candela output:

1385 cd

PRODUCT NAME:

ECLPANELIP SOFT 1X1

MEASURAMENT CONDITIONS:

Beam angle:

MD Filter

Target:

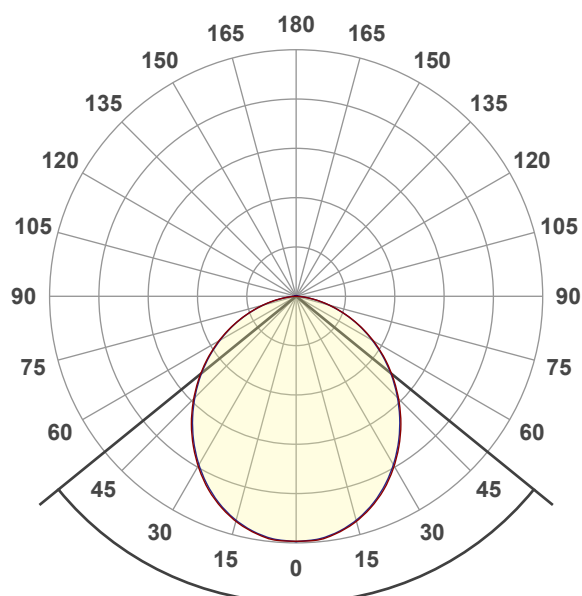
Red - HQ - RGB Mode

Operator:

Salvatore Giglio

Date and time:

09/08/2024 16:36:53

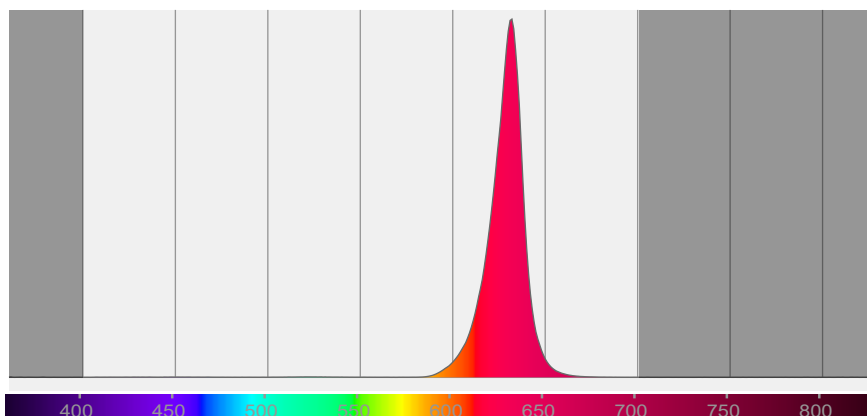


Beam angle 50%: 101,8°

Field angle 10%: 156°

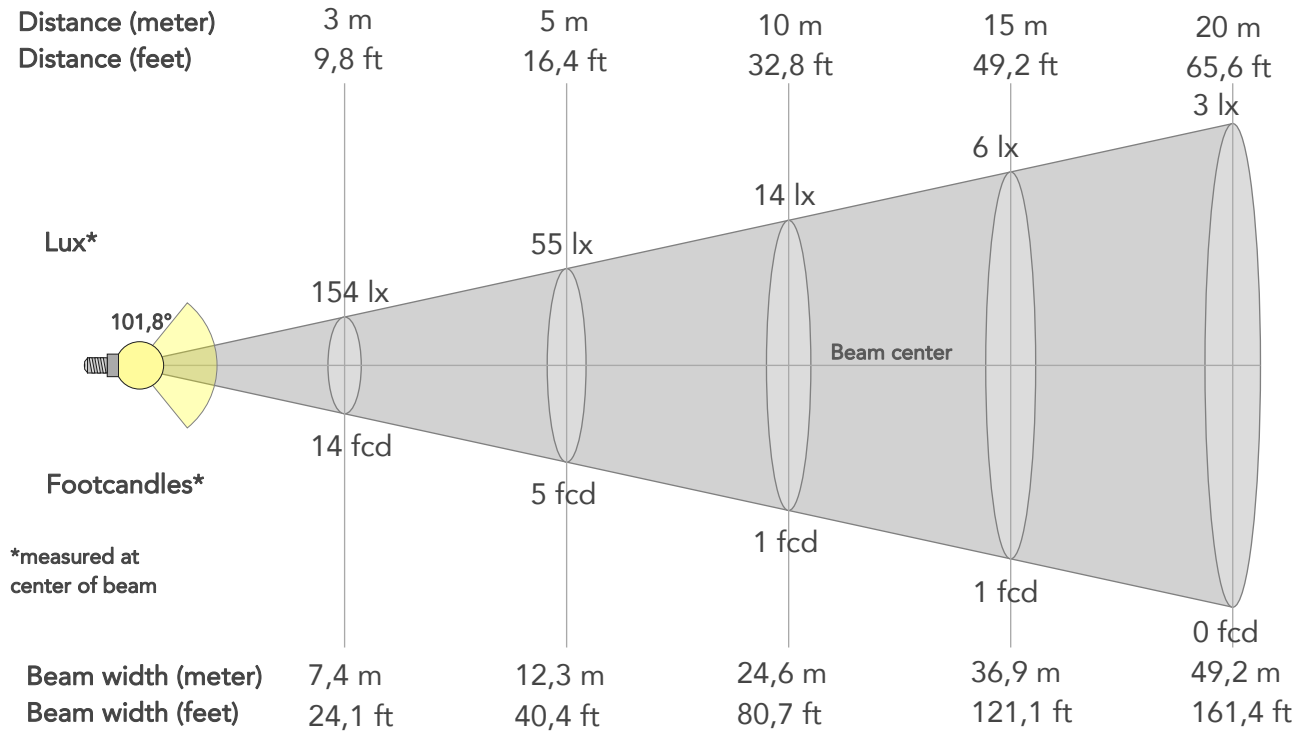
Cut off angle 2.5%: 169,9°

Spectra



BEAM DETAILS

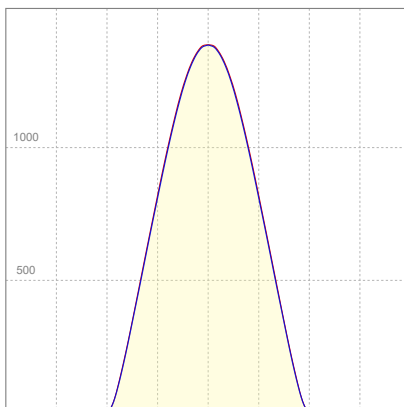
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
101,8°	156°	169,9°	81,3%	57,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1385lx	346lx	154lx	87lx	55lx	25lx	14lx	6lx	3lx	2lx	2lx	1lx	1lx
Footcand.	129fcd	32fcd	14fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	2,5m	4,9m	7,4m	9,8m	12,3m	18,5m	24,6m	36,9m	49,2m	61,5m	73,8m	98,4m	123m
Beam wid.	8,1ft	16,2ft	24,1ft	32,2ft	40,4ft	60,5ft	80,7ft	121,1ft	161,4ft	201,8ft	242,1ft	322,8ft	403,5ft

LINEAR DISTRIBUTION DIAGRAM

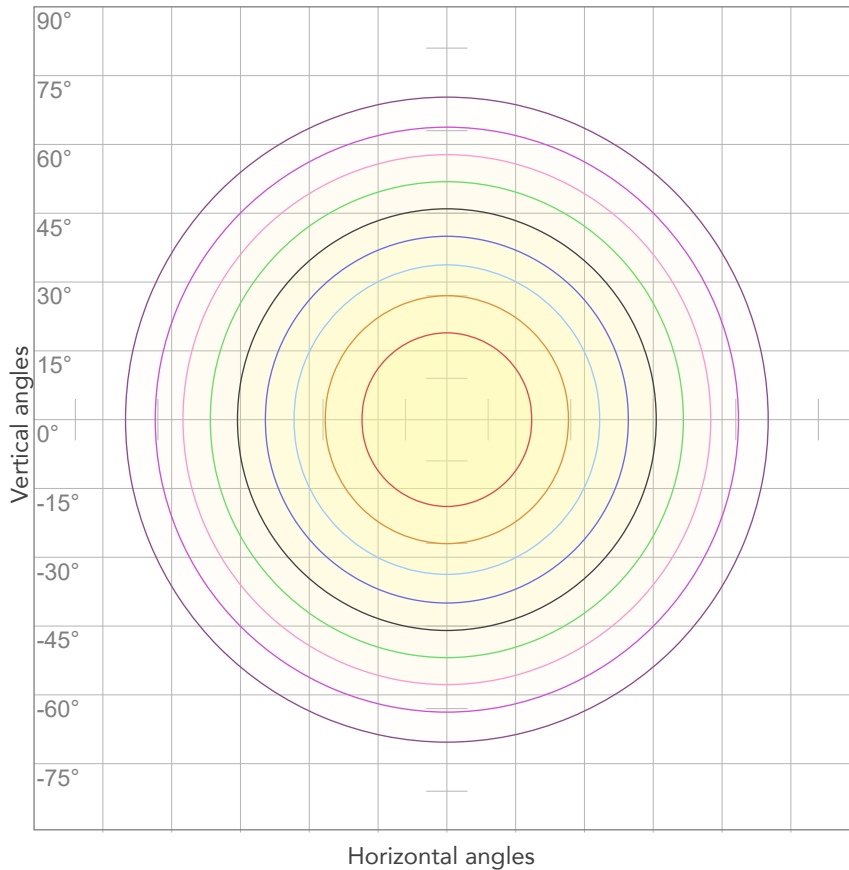


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,358A	80,5W	0,88	43lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



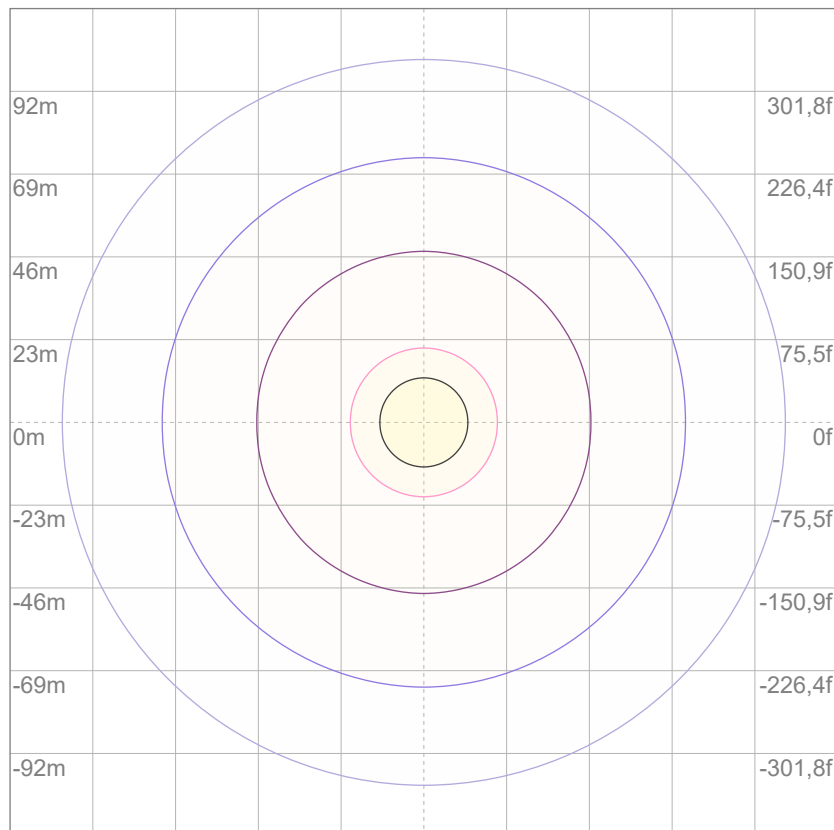
10%	138 cd
20%	277 cd
30%	415 cd
40%	554 cd
50%	692 cd
60%	831 cd
70%	969 cd
80%	1108 cd

Conditions:

Number of c-planes: 4

Candela at center: 1385 cd

ISO LUX DIAGRAM



3%	0,415 lx
5%	0,692 lx
10%	1,38 lx
30%	4,15 lx
50%	6,92 lx

Conditions:

Number of c-planes: 4

Lux at center: 13,8 lx

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



Total lumen output:

6833 lm

Peak candela output:

2634 cd

PRODUCT NAME:

ECLPANELIP SOFT 1X1

MEASURAMENT CONDITIONS:

Beam angle:

MD Filter

Target:

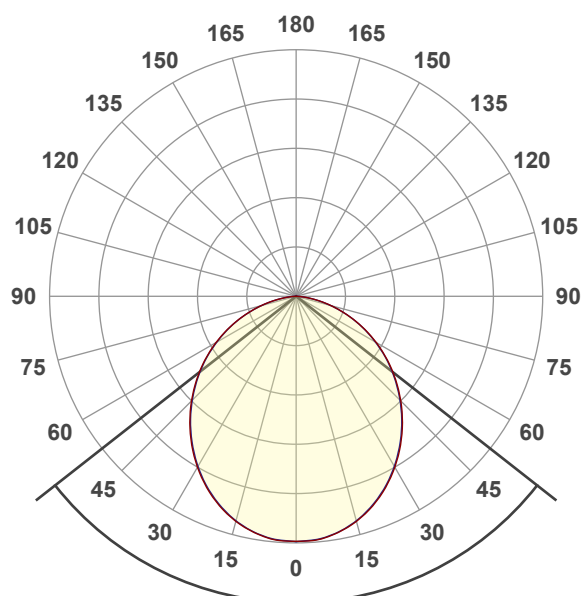
Green - HQ - RGB Mode

Operator:

Salvatore Giglio

Date and time:

09/08/2024 16:43:07

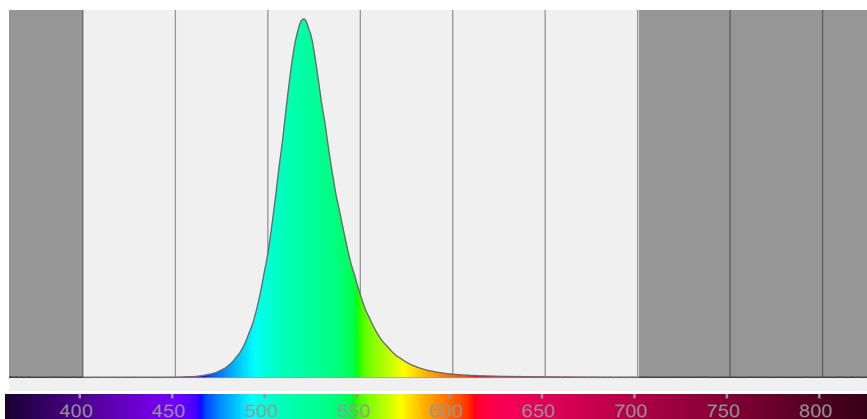


Beam angle 50%: 103,8°

Field angle 10%: 156,8°

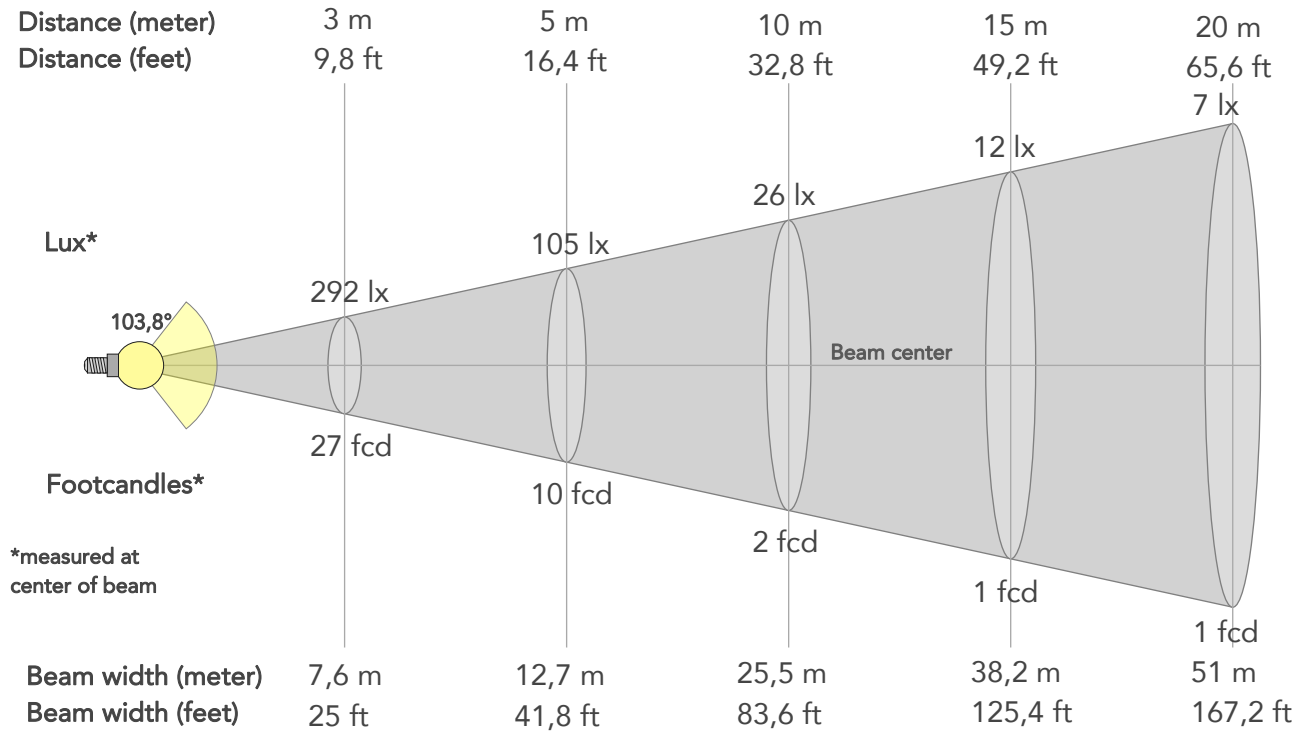
Cut off angle 2.5%: 170,1°

Spectra



BEAM DETAILS

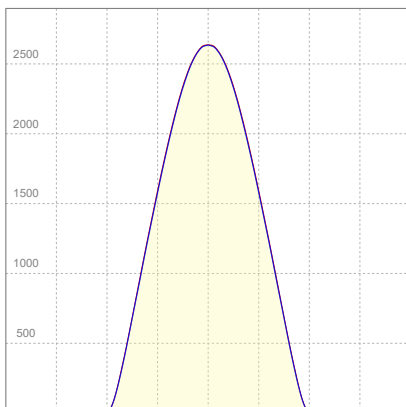
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
103,8°	156,8°	170,1°	80,5%	56,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2632lx	658lx	292lx	165lx	105lx	47lx	26lx	12lx	7lx	4lx	3lx	2lx	1lx
Footcand.	245fcd	61fcd	27fcd	15fcd	10fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	2,5m	5,1m	7,6m	10,2m	12,7m	19,1m	25,5m	38,2m	51m	63,7m	76,5m	102m	127,5m
Beam wid.	8,4ft	16,8ft	25ft	33,4ft	41,8ft	62,7ft	83,6ft	125,4ft	167,2ft	209ft	250,9ft	334,5ft	418,1ft

LINEAR DISTRIBUTION DIAGRAM

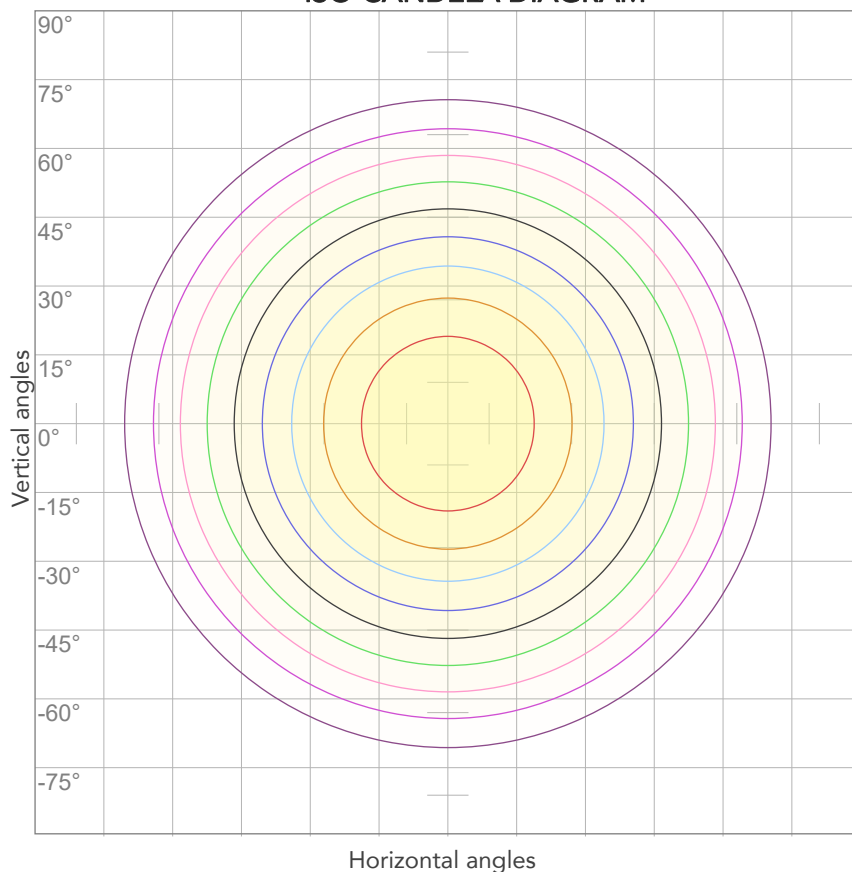


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,481A	108W	0,93	63lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



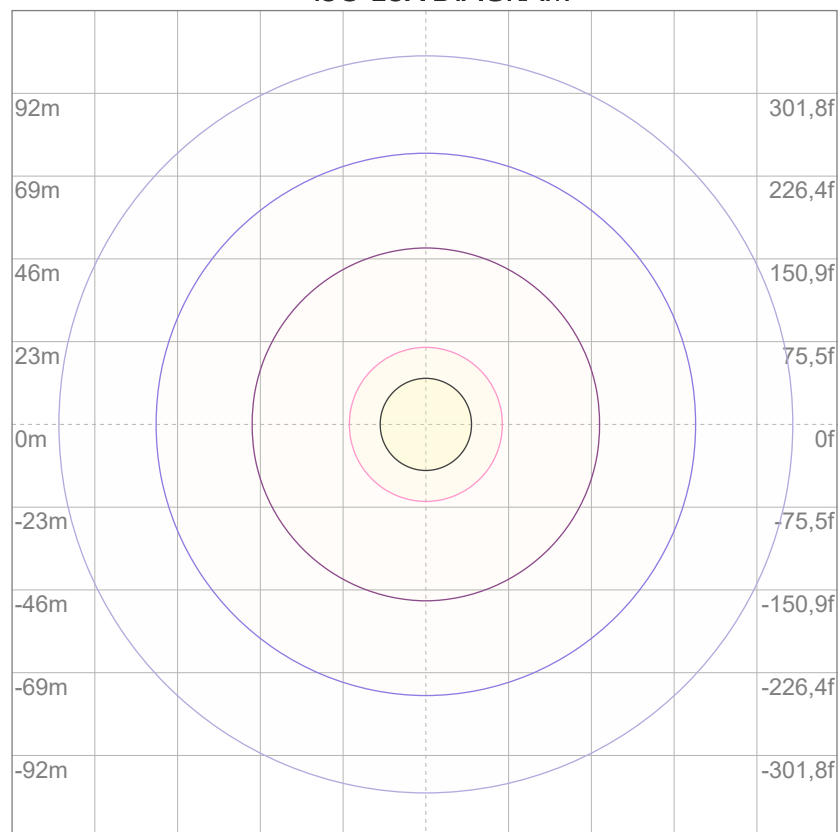
10%	263 cd
20%	526 cd
30%	790 cd
40%	1053 cd
50%	1316 cd
60%	1579 cd
70%	1843 cd
80%	2106 cd

Conditions:

Number of c-planes: 4

Candela at center: 2632 cd

ISO LUX DIAGRAM



3%	0,790 lx
5%	1,32 lx
10%	2,63 lx
30%	7,90 lx
50%	13,2 lx

Conditions:

Number of c-planes: 4

Lux at center: 26,3 lx

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



Total lumen output:

1648 lm

Peak candela output:

628 cd

PRODUCT NAME:

ECLPANELIP SOFT 1X1

MEASURAMENT CONDITIONS:

Beam angle:

MD Filter

Target:

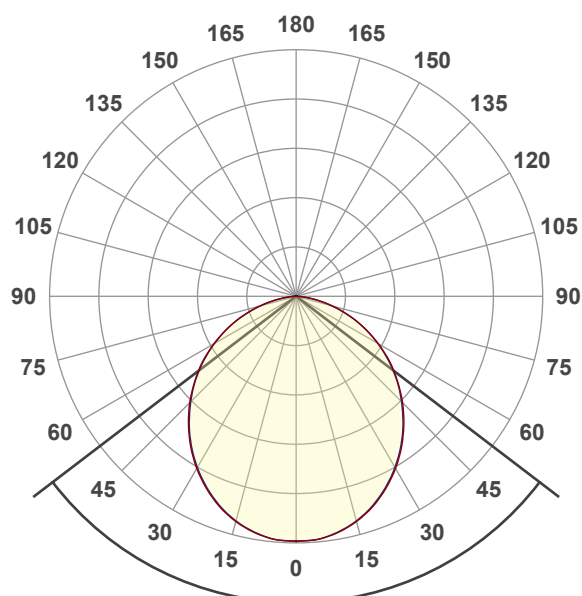
Blue - HQ - RGB Mode

Operator:

Salvatore Giglio

Date and time:

09/08/2024 16:44:57

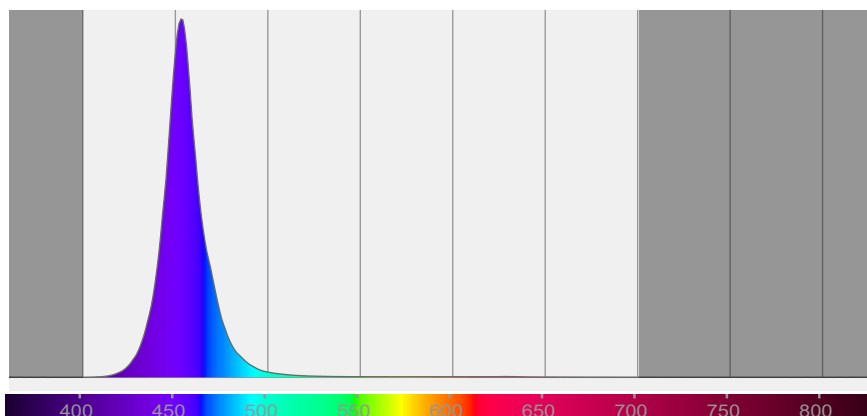


Beam angle 50%: 105,3°

Field angle 10%: 157,3°

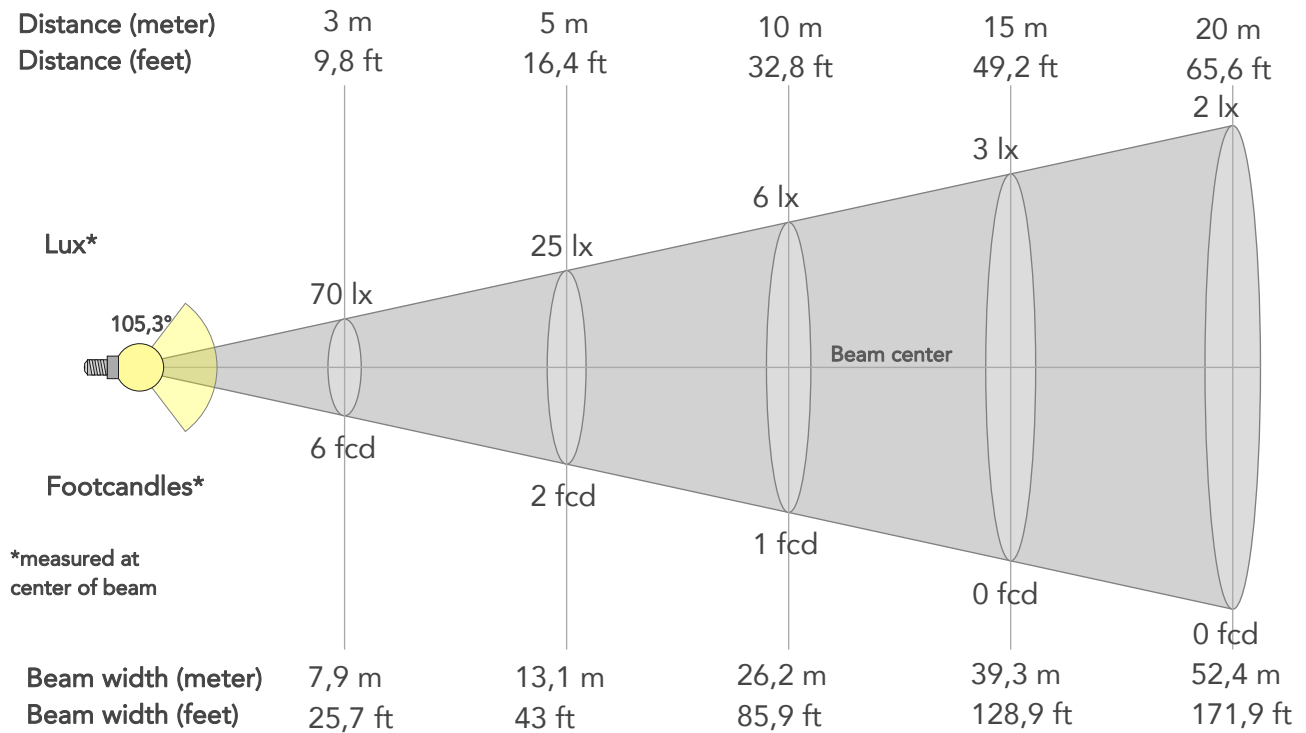
Cut off angle 2.5%: 170,3°

Spectra



BEAM DETAILS

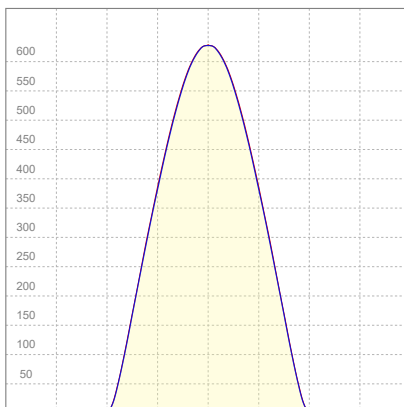
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
105,3°	157,3°	170,3°	80,4%	55,8%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	627lx	157lx	70lx	39lx	25lx	11lx	6lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	58fcd	15fcd	6fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	2,6m	5,2m	7,9m	10,5m	13,1m	19,6m	26,2m	39,3m	52,4m	65,5m	78,6m	104,8m	131m
Beam wid.	8,6ft	17,3ft	25,7ft	34,3ft	43ft	64,5ft	85,9ft	128,9ft	171,9ft	214,8ft	257,8ft	343,7ft	429,7ft

LINEAR DISTRIBUTION DIAGRAM

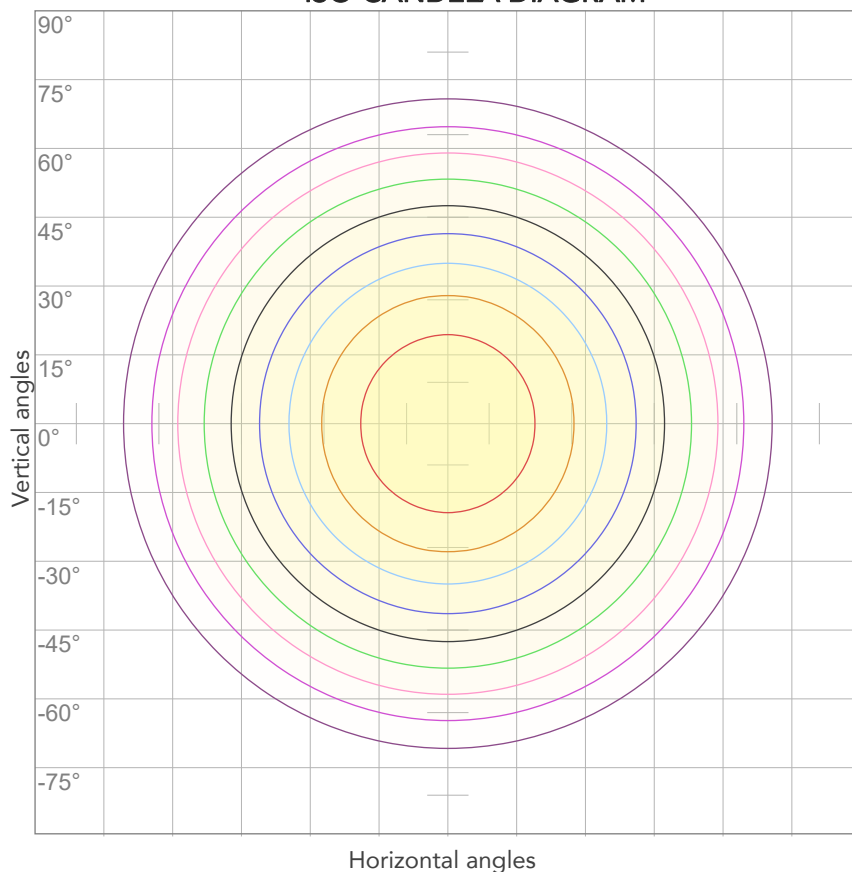


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,468A	105W	0,93	16lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



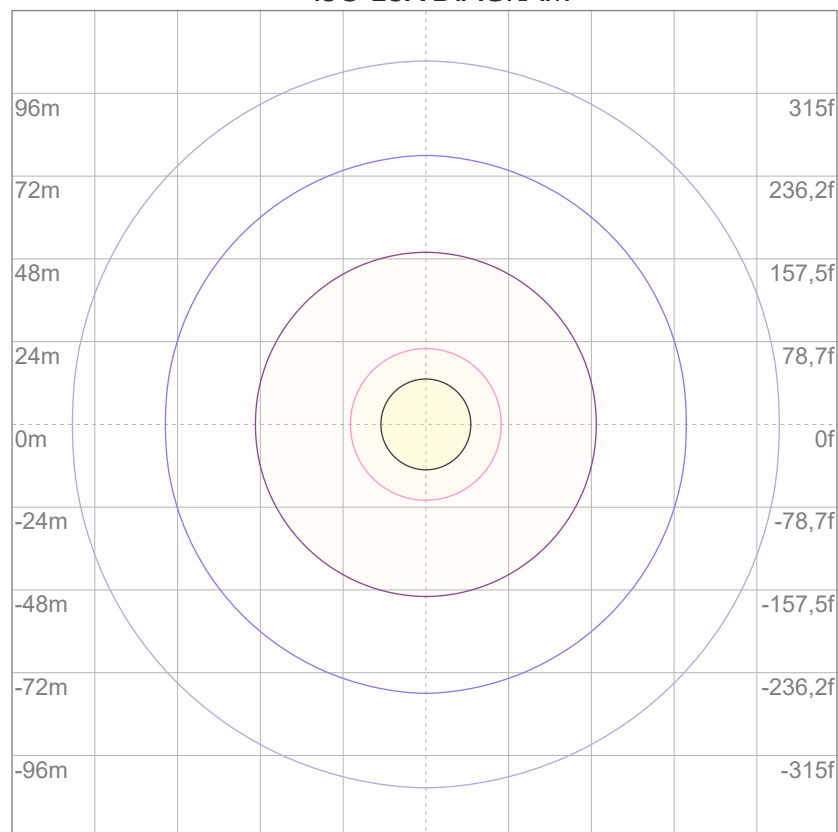
10%	63 cd
20%	125 cd
30%	188 cd
40%	251 cd
50%	314 cd
60%	376 cd
70%	439 cd
80%	502 cd

Conditions:

Number of c-planes: 4

Candela at center: 627 cd

ISO LUX DIAGRAM



3%	0,188 lx
5%	0,314 lx
10%	0,627 lx
30%	1,88 lx
50%	3,14 lx

Conditions:

Number of c-planes: 4

Lux at center: 6,27 lx

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



Total lumen output:

26413 lm

Peak candela output:

10421 cd

Light quality:

CRI: 95,2

Color temperature:

2844 K

PRODUCT NAME:

ECLPANELIP SOFT 1X1

MEASURAMENT CONDITIONS:

Beam angle:

MD Filter

Target:

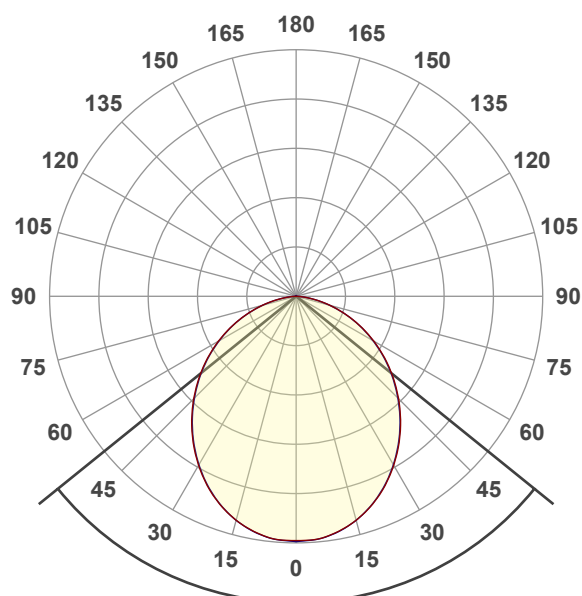
2800K - HQ

Operator:

Salvatore Giglio

Date and time:

09/08/2024 15:23:00

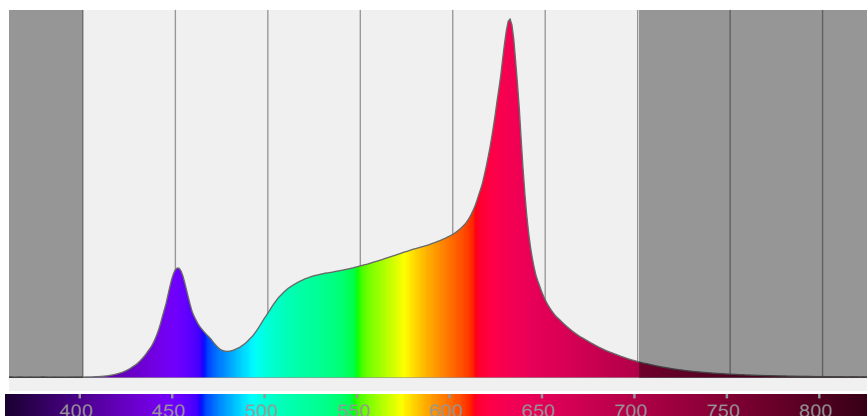


Beam angle 50%: 102,1°

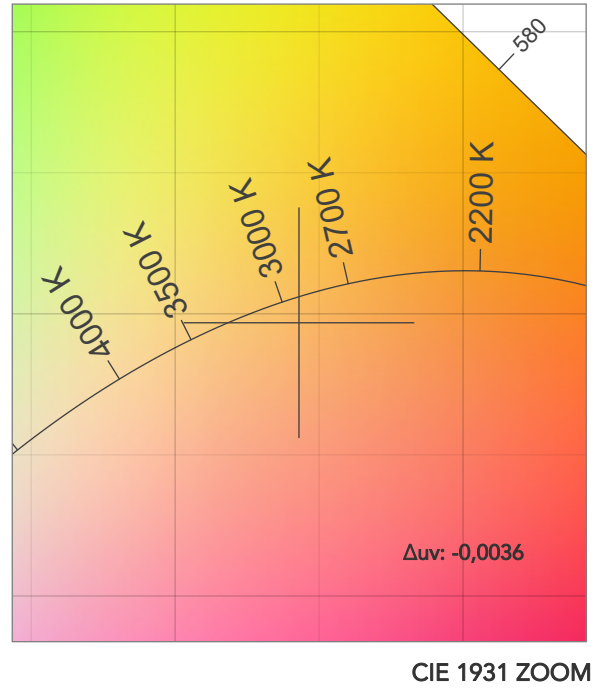
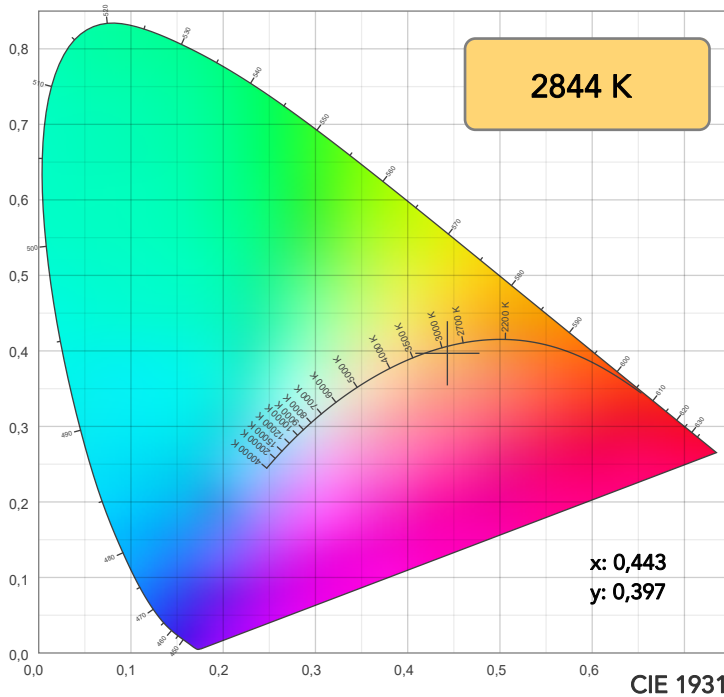
Field angle 10%: 156,3°

Cut off angle 2.5%: 170°

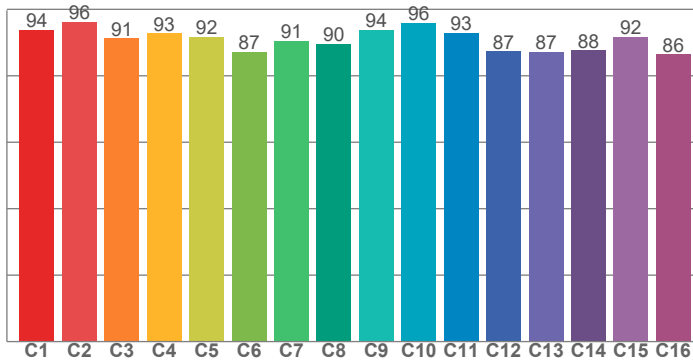
Spectra



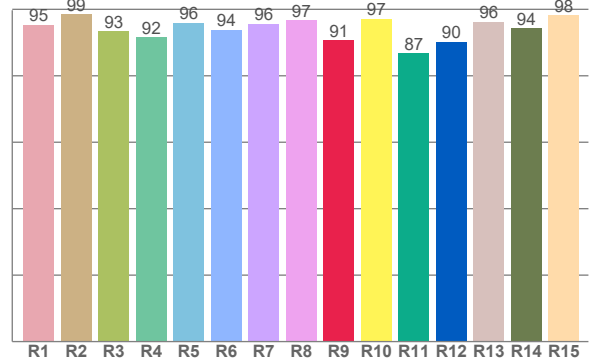
COLOR DETAILS



TM30: 91,6



CRI: 95,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,4	98,6	93,4	91,5	95,9	93,9	95,7	96,8	90,6	97,2	86,7	90,2	96,3	94,3	98,2

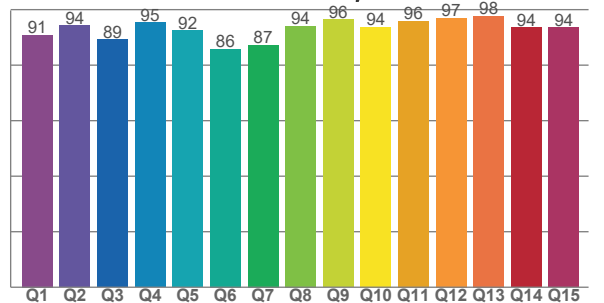
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,8	96,2	91,3	92,8	91,7	87,3	90,5	89,6	93,7	95,9	92,9	87,3	87,2	87,6	91,8	86,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90,8	94,2	89,3	95,3	92,5	85,8	87,2	94,2	96,4	93,7	96,0	97,1	97,7	93,6	93,6

CQS: 92,1



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
2844 K	95,2	90,6	91,6	105,7	92,1	81	0,443	0,397	-0,0036

TM30 DETAILS

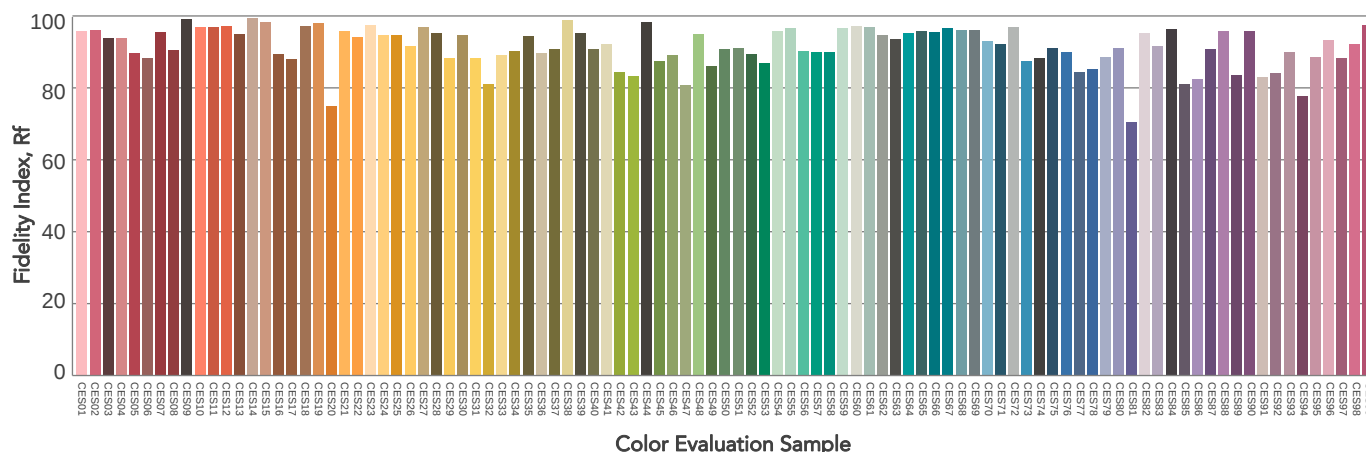
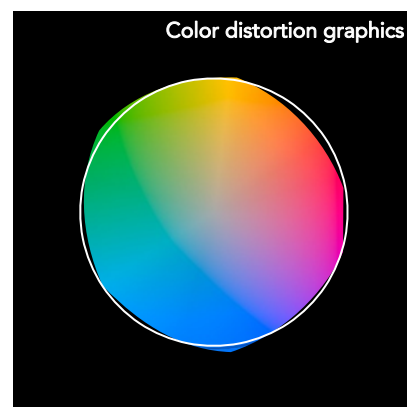
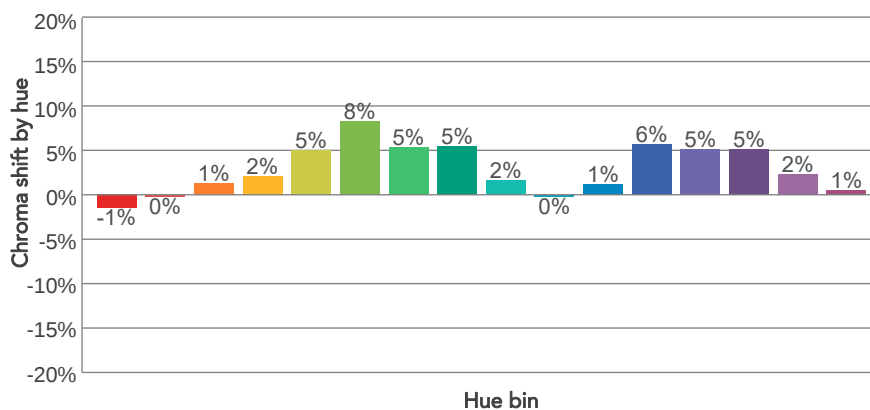
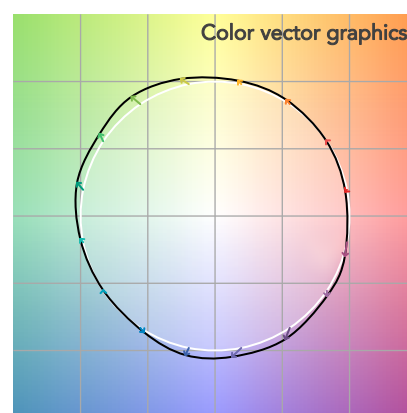
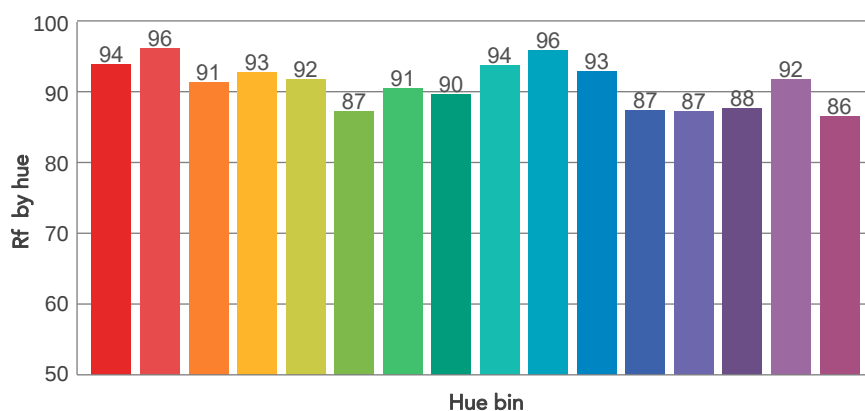
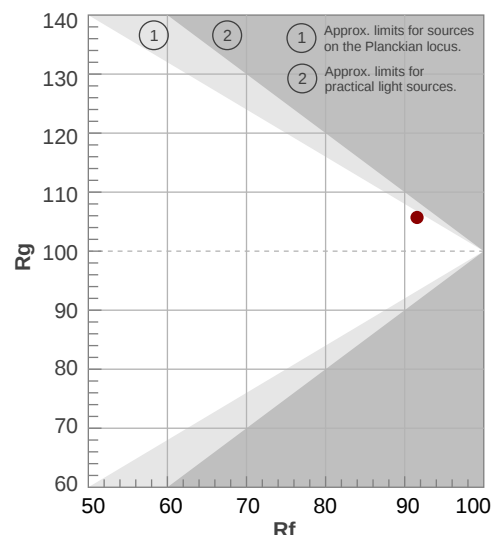
Rf 91,6

Fidelity index Rf

Rg 105,7

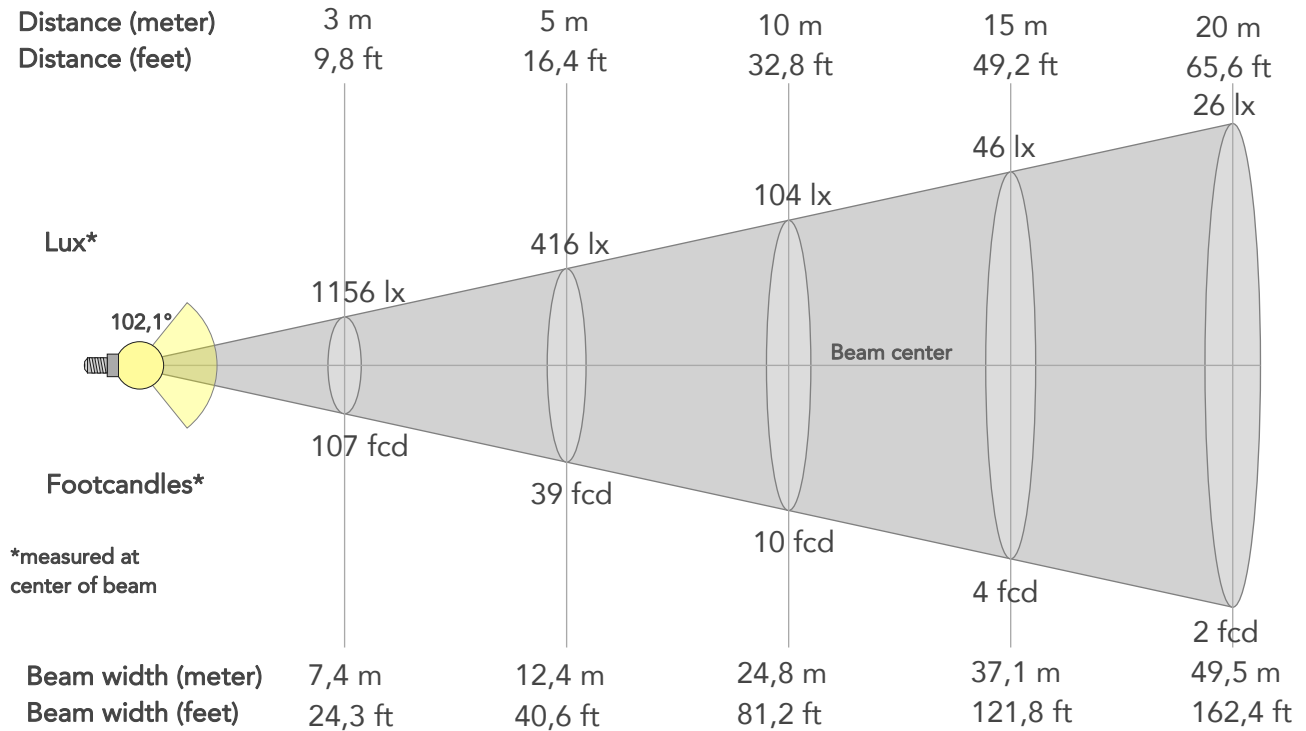
Gammut index

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



BEAM DETAILS

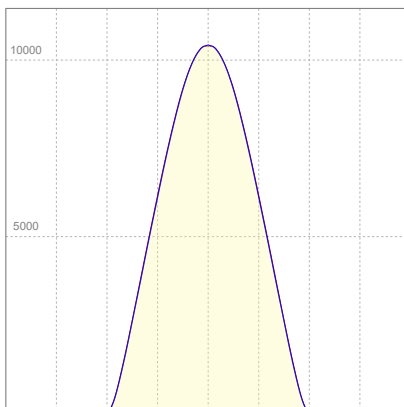
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102,1°	156,3°	170°	81,1%	56,8%



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	10401lx	2600lx	1156lx	650lx	416lx	185lx	104lx	46lx	26lx	17lx	12lx	7lx	4lx
Footcand.	966fcd	242fcd	107fcd	60fcd	39fcd	17fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	2,5m	5m	7,4m	9,9m	12,4m	18,6m	24,8m	37,1m	49,5m	61,9m	74,3m	99m	123,8m
Beam wid.	8,2ft	16,3ft	24,3ft	32,4ft	40,6ft	60,9ft	81,2ft	121,8ft	162,4ft	203ft	243,6ft	324,8ft	406ft

LINEAR DISTRIBUTION DIAGRAM

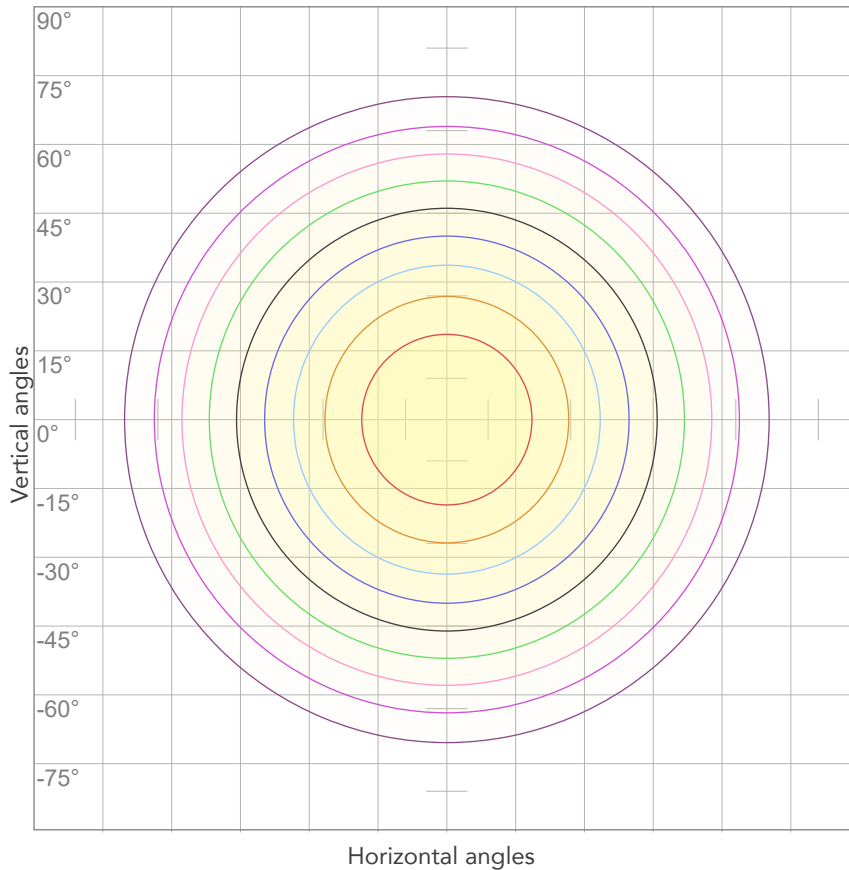


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	1,12A	251W	0,99	105lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



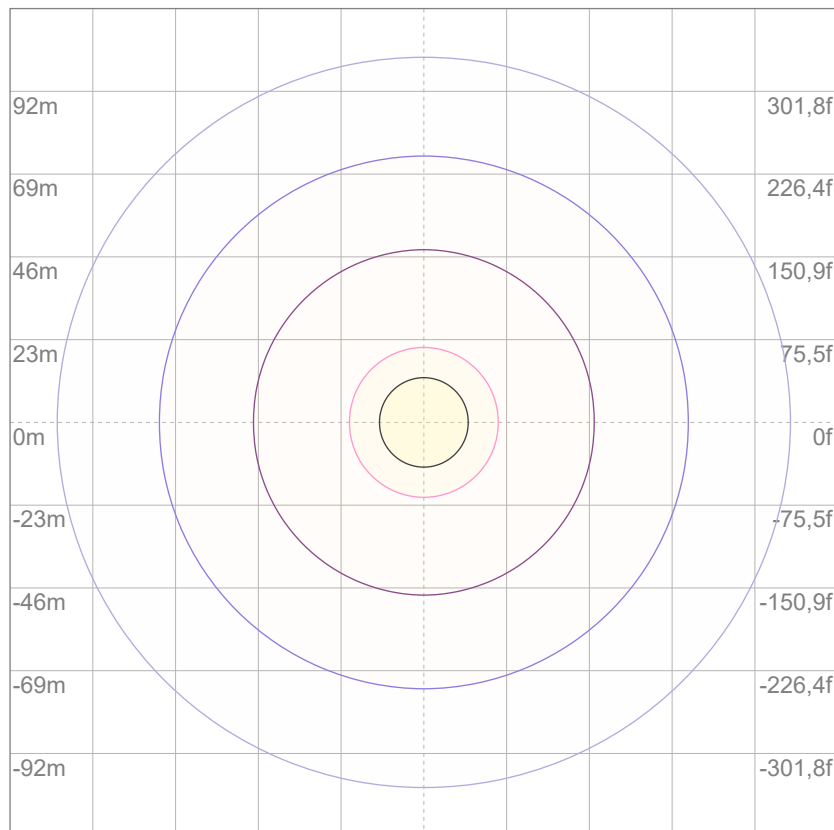
10%	1040 cd
20%	2080 cd
30%	3120 cd
40%	4160 cd
50%	5200 cd
60%	6240 cd
70%	7280 cd
80%	8320 cd

Conditions:

Number of c-planes: 4

Candela at center: 10401 cd

ISO LUX DIAGRAM



3%	3,12 lx
5%	5,20 lx
10%	10,4 lx
30%	31,2 lx
50%	52,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 104 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:

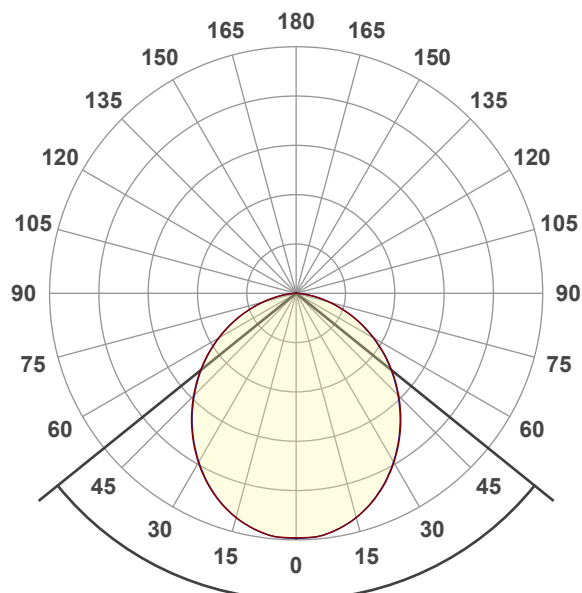
3200K - HQ

Operator:

Salvatore Giglio

Date and time:

09/08/2024 14:59:58

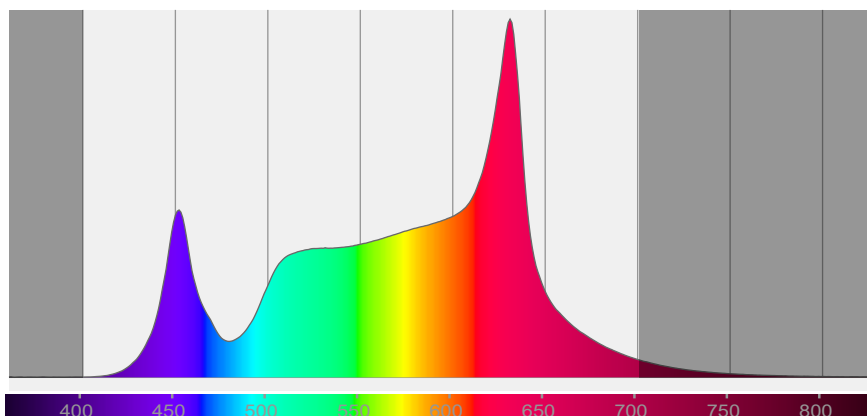


Beam angle 50%: 102,2°

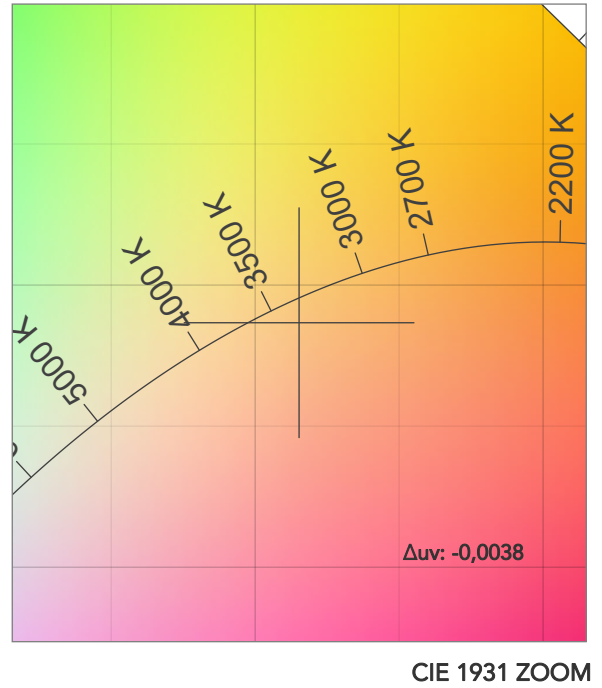
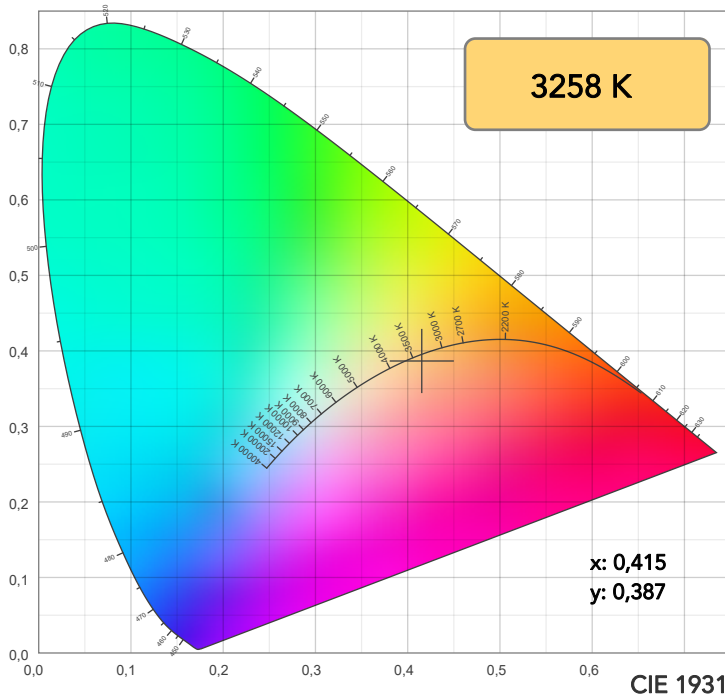
Field angle 10%: 156,3°

Cut off angle 2.5%: 170°

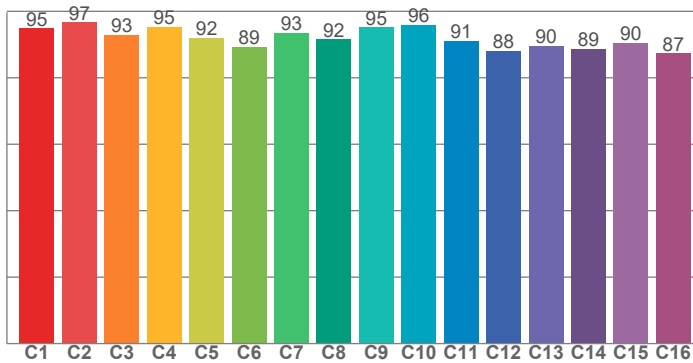
Spectra



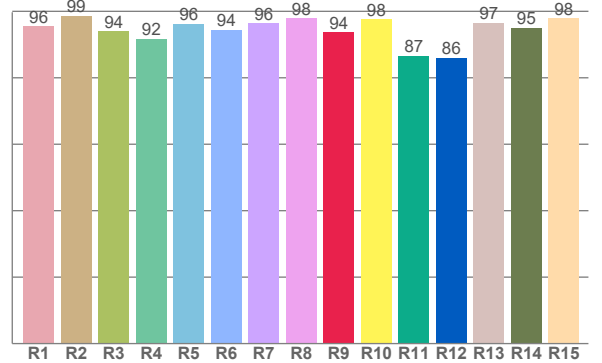
COLOR DETAILS



TM30: 92,5



CRI: 95,6 (R1-R8)



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

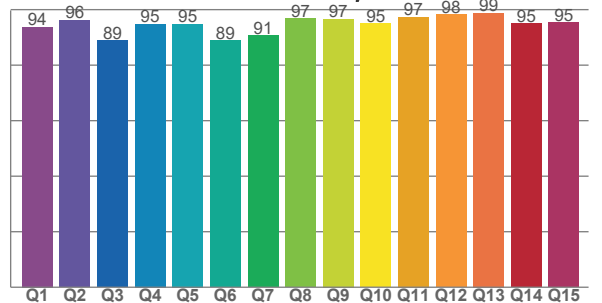
TM30 C values, 16 binned values out of total of 99 C values

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

CQS: 93,8



COLOR PARAMETERS

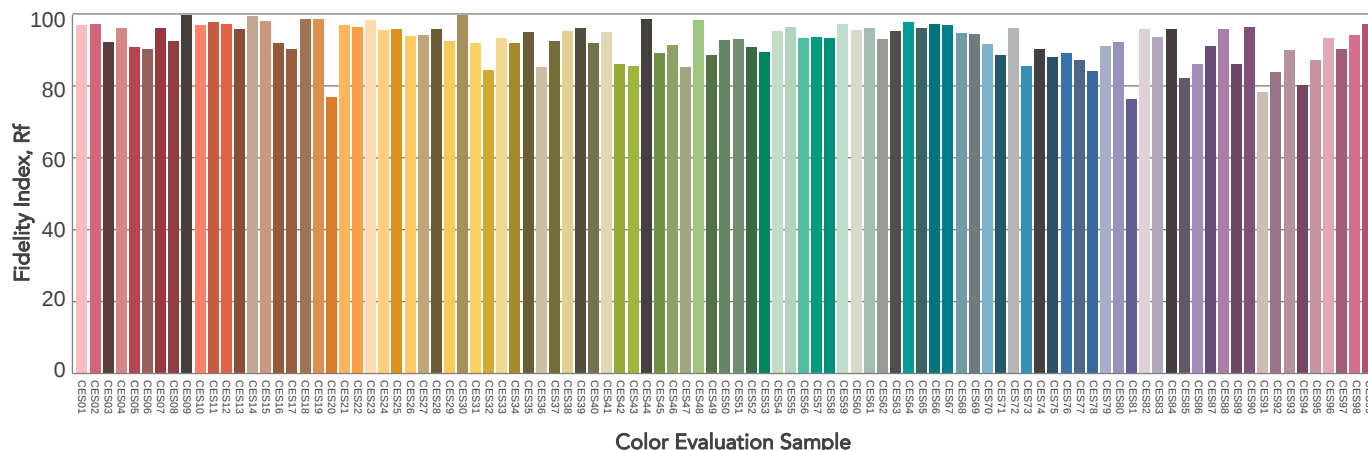
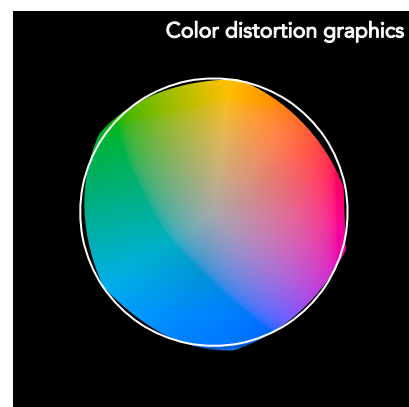
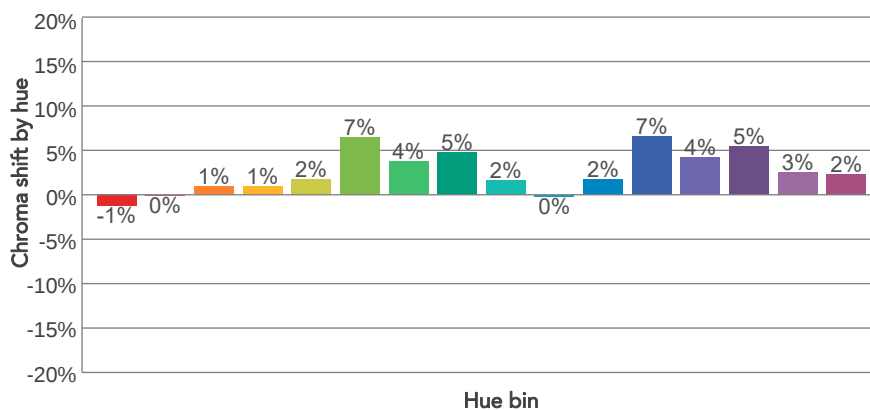
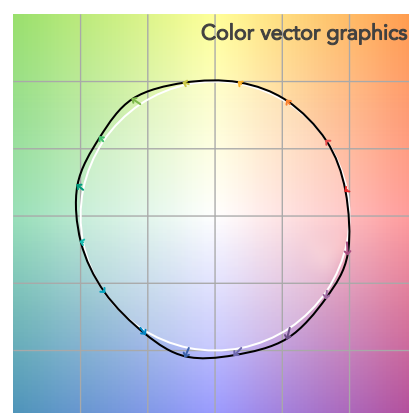
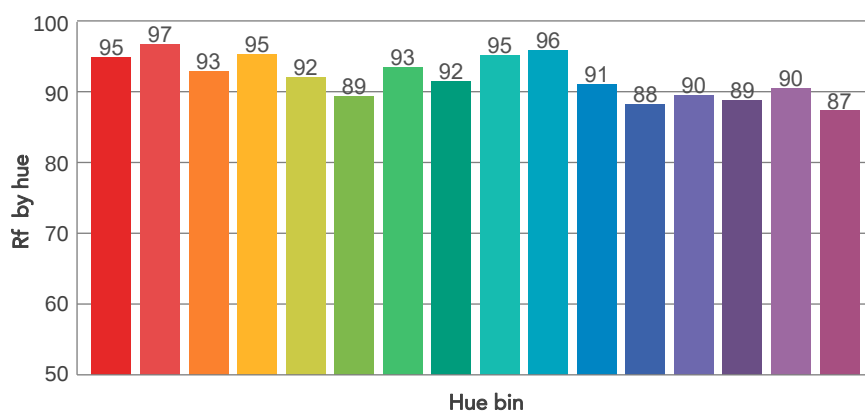
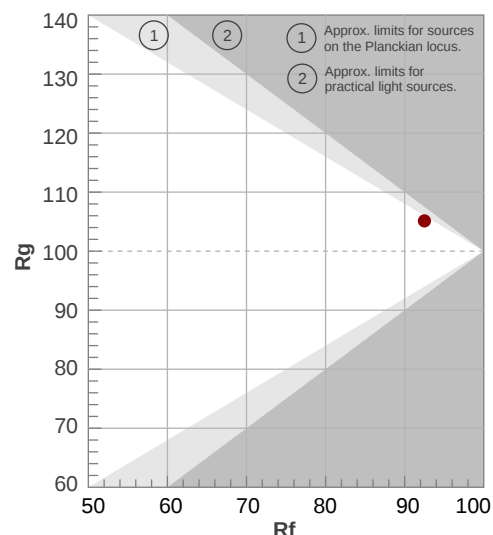
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3258 K	95,6	93,8	92,5	105,1	93,8	85	0,415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

TM30 DETAILS

Rf 92,5
Fidelity index Rf

Rg 105,1
Gammut index

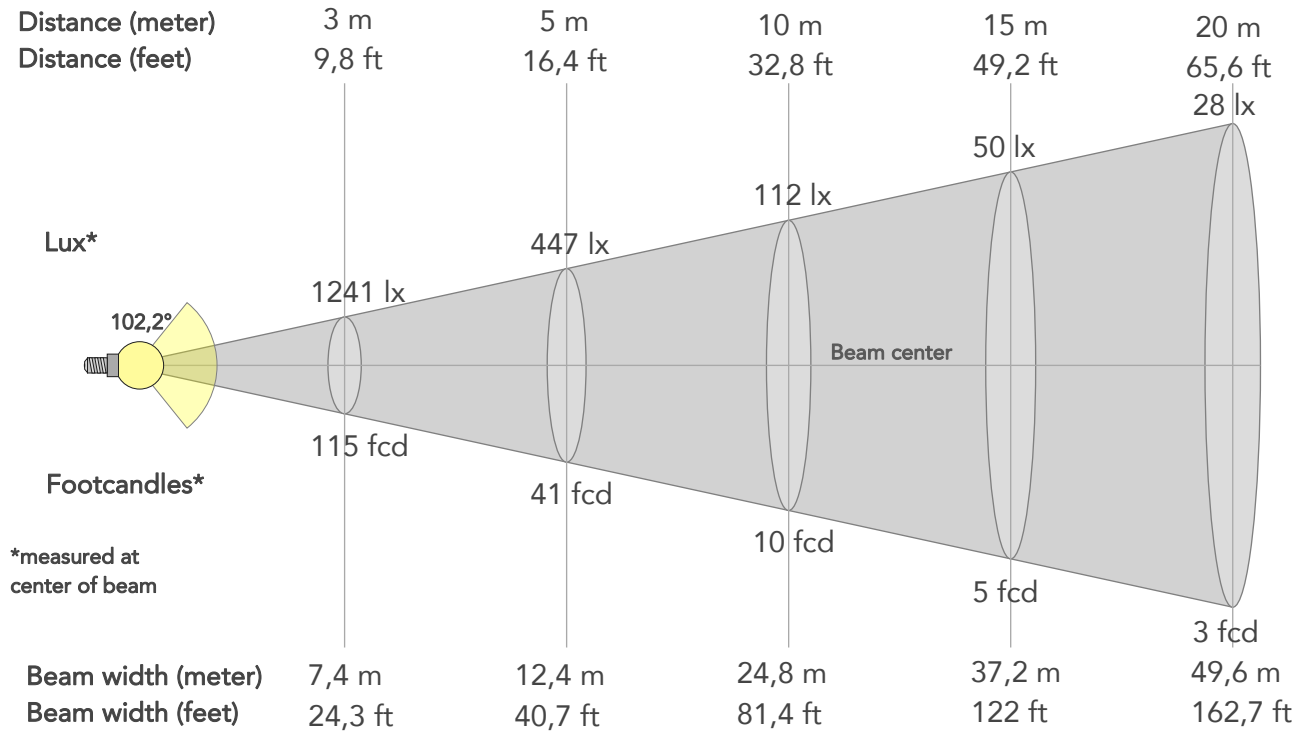
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-1%
2	97	0%	1%
3	93	1%	3%
4	95	1%	2%
5	92	2%	4%
6	89	7%	3%
7	93	4%	-1%
8	92	5%	-3%
9	95	2%	-1%
10	96	0%	1%
11	91	2%	5%
12	88	7%	-1%
13	90	4%	-6%
14	89	5%	-6%
15	90	3%	-5%
16	87	2%	-9%



BEAM DETAILS



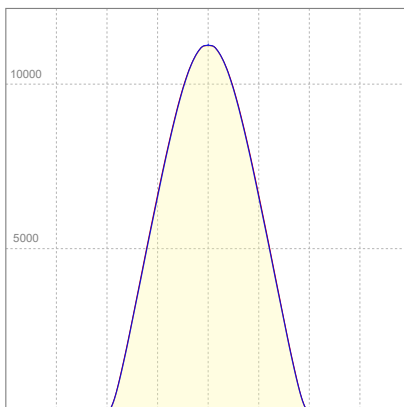
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102,2°	156,3°	170°	80,9%	56,6%



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

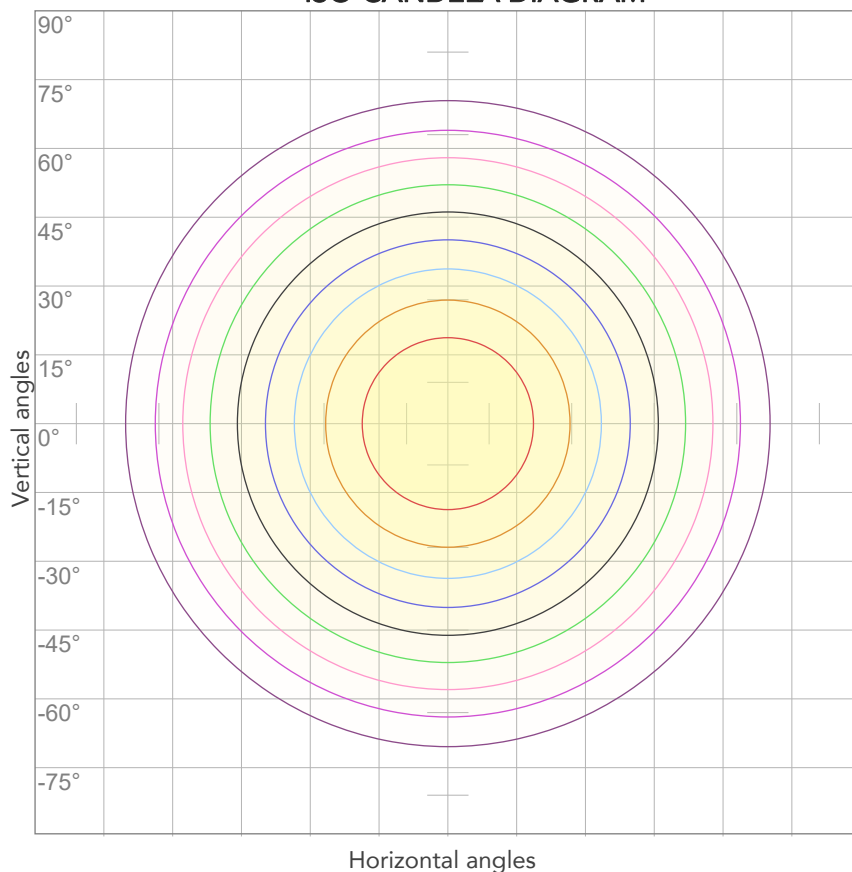


ELECTRICAL SPECIFICATIONS

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

ISO DIAGRAMS

ISO CANDELA DIAGRAM



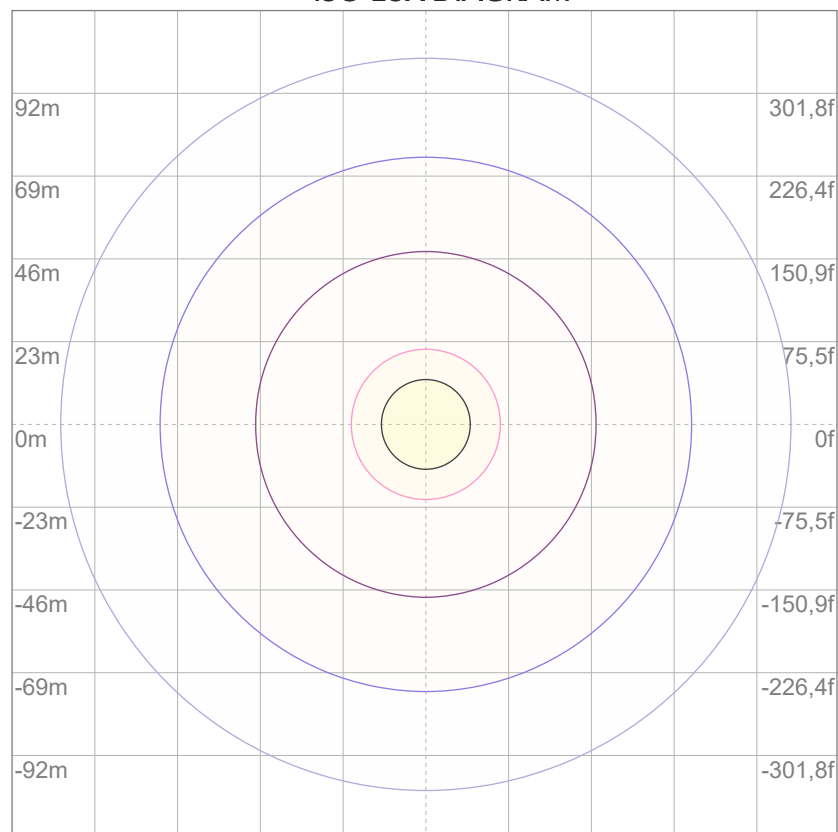
10%	1117 cd
20%	2233 cd
30%	3350 cd
40%	4467 cd
50%	5583 cd
60%	6700 cd
70%	7817 cd
80%	8933 cd

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:

29707 lm

Peak candela output:

11690 cd

Light quality:

CRI: 96,1

Color temperature:

4091 K

PRODUCT NAME:

ECLPANELIP SOFT 1X1

MEASURAMENT CONDITIONS:

Beam angle:

MD Filter

Target:

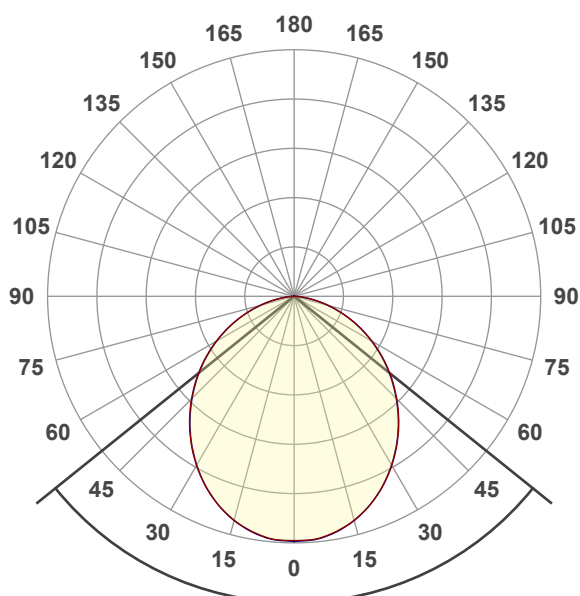
4000K - HQ

Operator:

Salvatore Giglio

Date and time:

09/08/2024 15:32:45

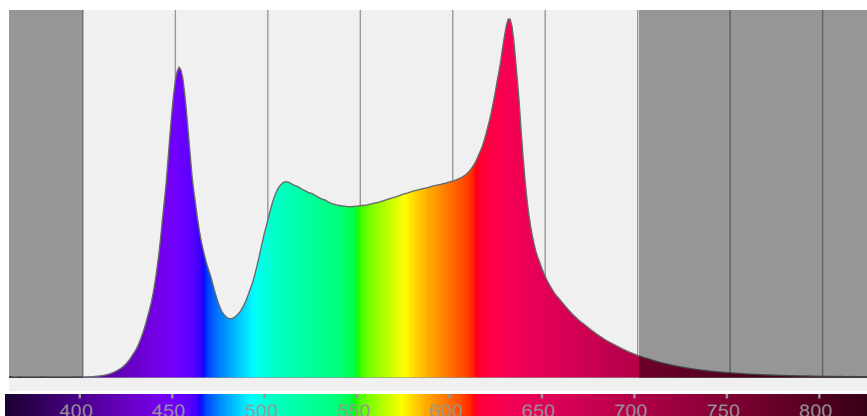


Beam angle 50%: 102,4°

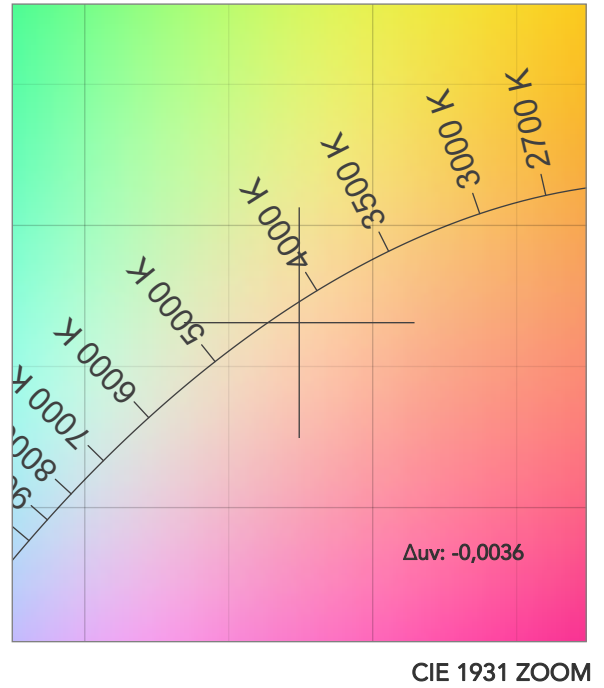
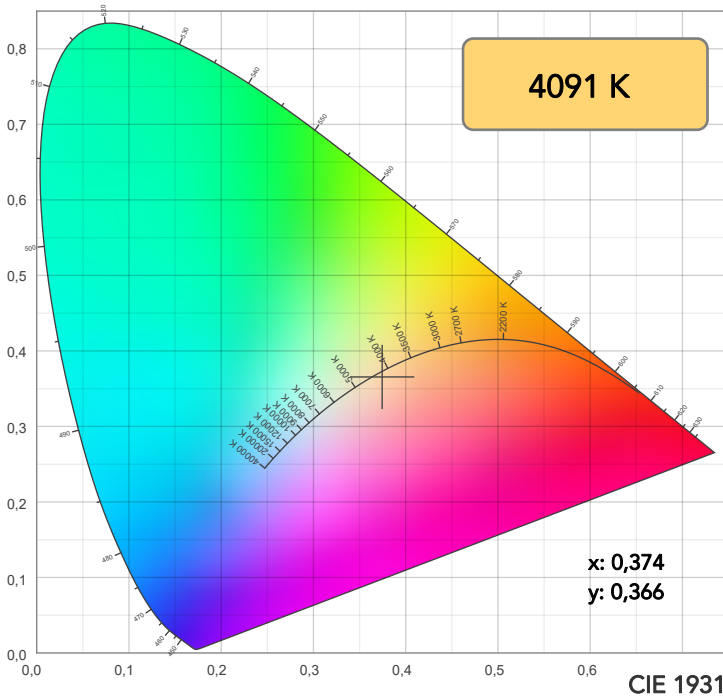
Field angle 10%: 156,4°

Cut off angle 2.5%: 170°

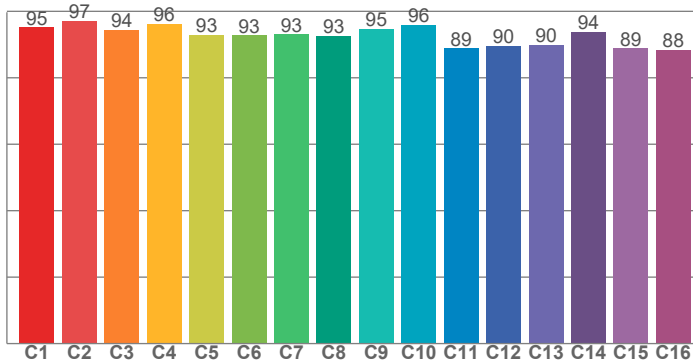
Spectra



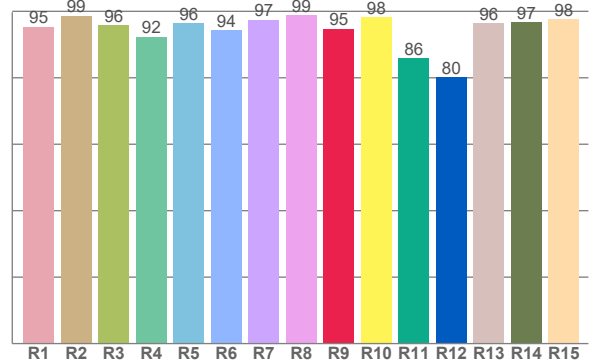
COLOR DETAILS



TM30: 93,0



CRI: 96,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,4	98,7	95,9	92,3	96,3	94,2	97,5	98,7	94,7	98,3	85,9	80,2	96,3	96,8	97,6

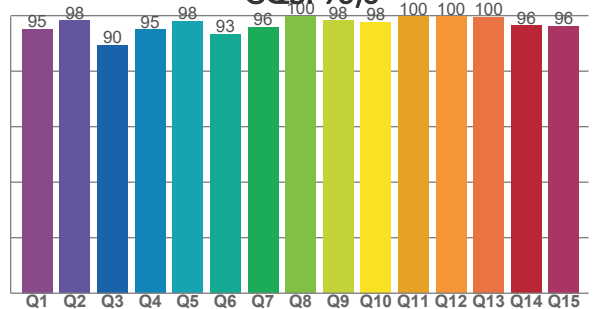
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,1	97,2	94,4	96,3	93,0	92,8	93,0	92,7	94,8	95,9	88,8	89,6	89,8	93,7	88,8	88,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,1	98,2	89,5	95,0	98,0	93,4	95,8	99,7	98,2	97,7	99,6	99,7	99,5	96,4	96,3

CQS: 95,8



COLOR PARAMETERS

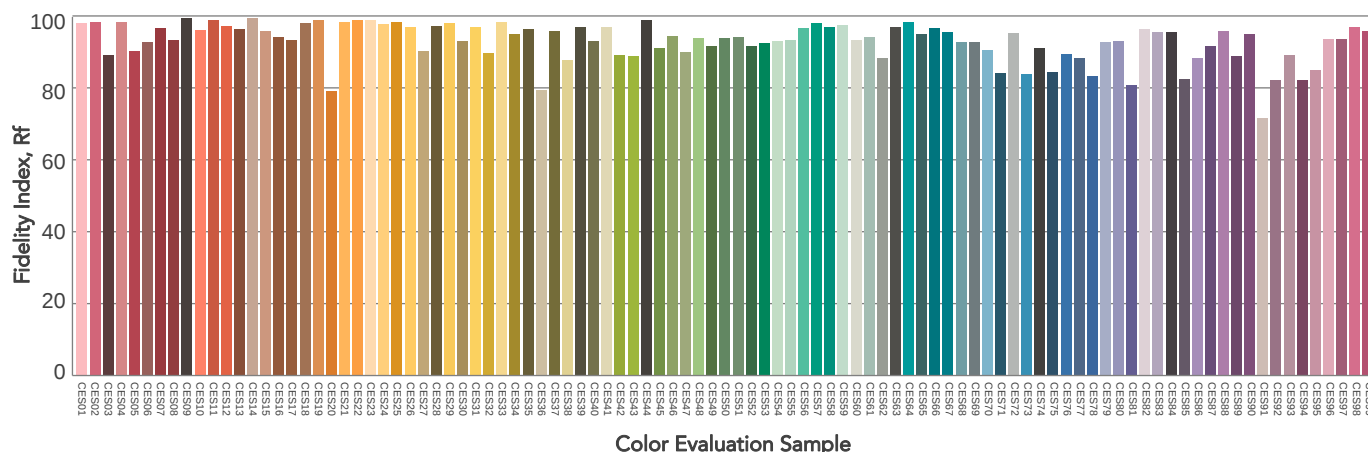
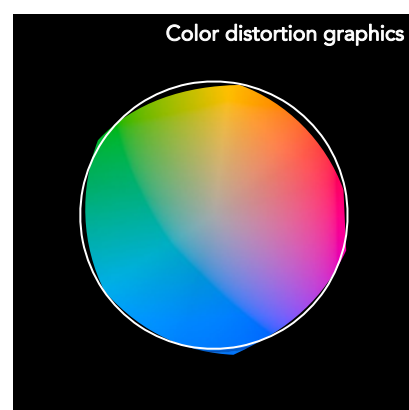
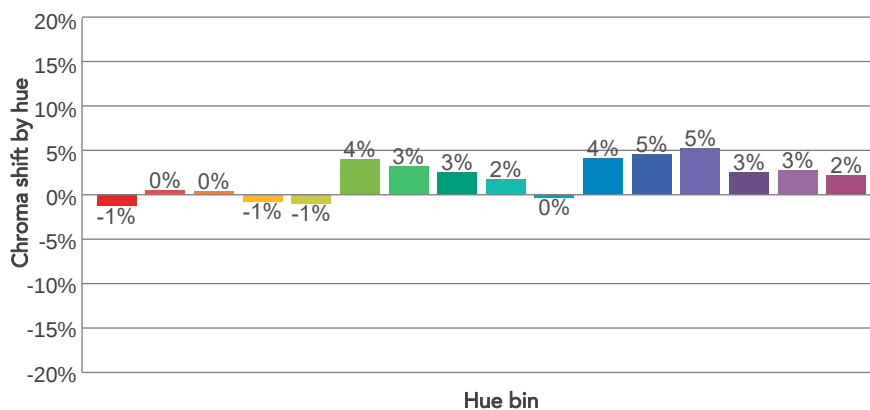
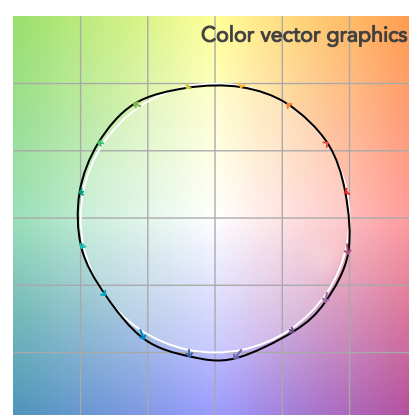
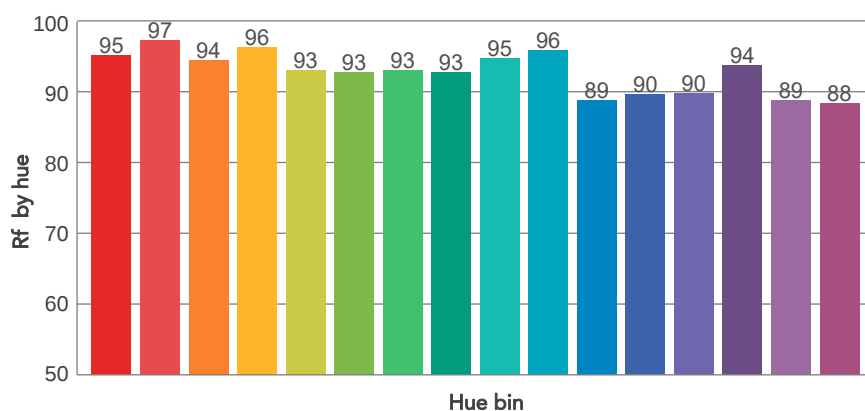
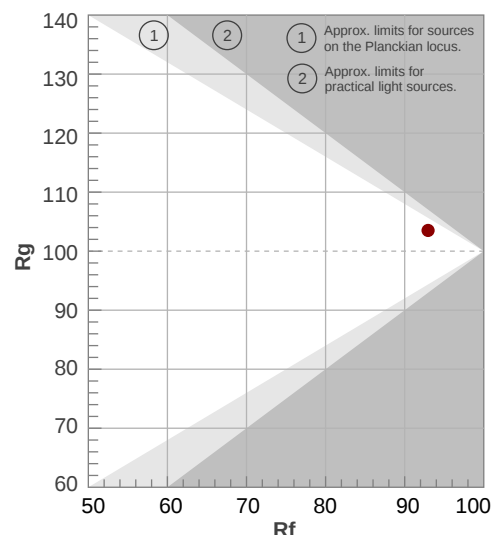
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4091 K	96,1	94,7	93,0	103,5	95,8	88	0,374	0,366	-0,0036

TM30 DETAILS

Rf 93,0
Fidelity index Rf

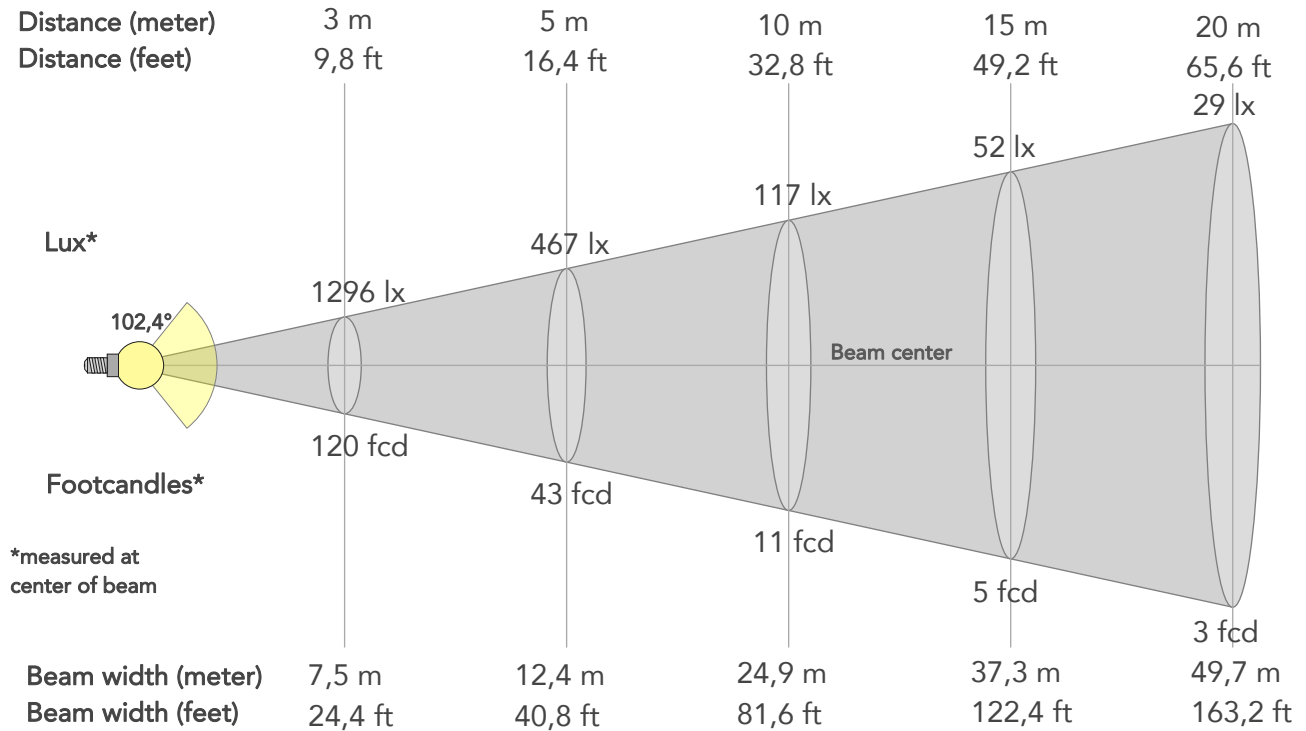
Rg 103,5
Gammut index

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



BEAM DETAILS

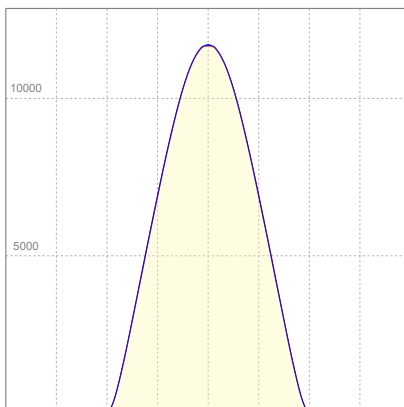
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102,4°	156,4°	170°	81,1%	56,8%



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	11667lx	2917lx	1296lx	729lx	467lx	207lx	117lx	52lx	29lx	19lx	13lx	7lx	5lx
Footcand.	1084fcd	271fcd	120fcd	68fcd	43fcd	19fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	2,5m	5m	7,5m	9,9m	12,4m	18,7m	24,9m	37,3m	49,7m	62,2m	74,6m	99,5m	124,4m
Beam wid.	8,2ft	16,4ft	24,4ft	32,6ft	40,8ft	61,2ft	81,6ft	122,4ft	163,2ft	203,9ft	244,7ft	326,3ft	407,9ft

LINEAR DISTRIBUTION DIAGRAM

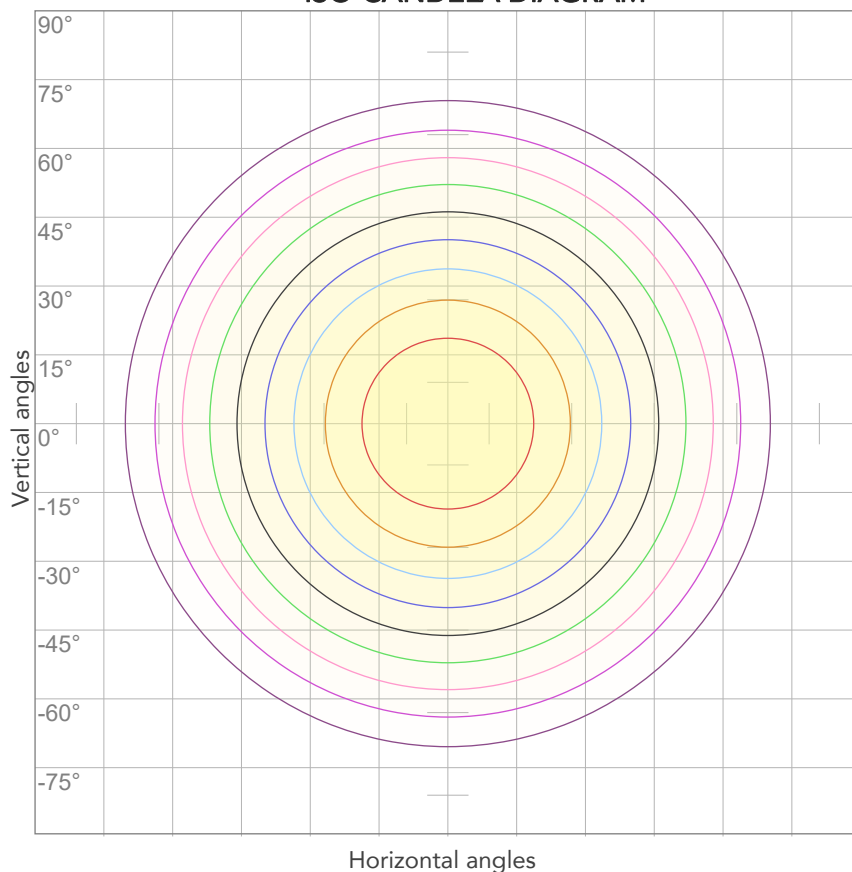


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	1,32A	296W	0,99	100lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



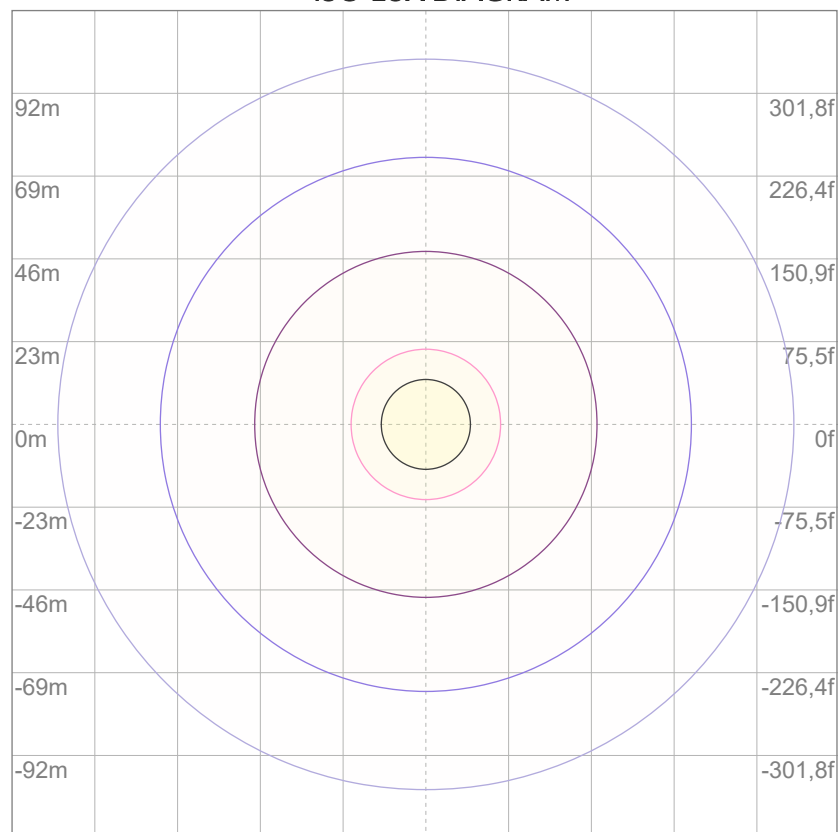
10%	1167 cd
20%	2333 cd
30%	3500 cd
40%	4667 cd
50%	5833 cd
60%	7000 cd
70%	8167 cd
80%	9333 cd

Conditions:

Number of c-planes: 4

Candela at center: 11667 cd

ISO LUX DIAGRAM



3%	3,50 lx
5%	5,83 lx
10%	11,7 lx
30%	35,0 lx
50%	58,3 lx

Conditions:

Number of c-planes: 4

Lux at center: 117 lx

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



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:

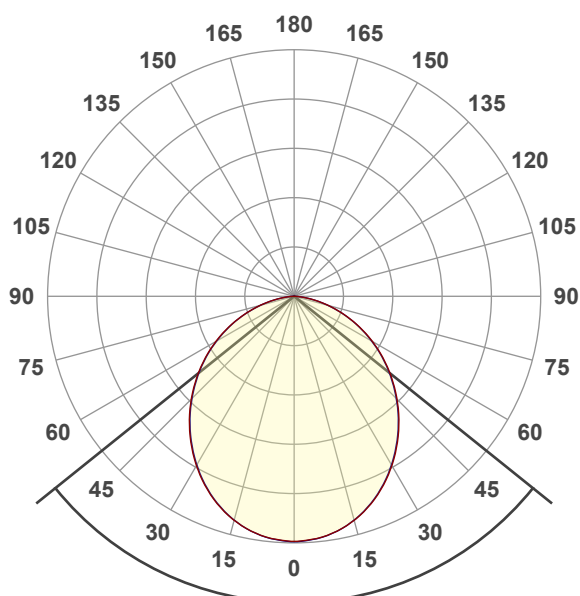
5600K - HQ

Operator:

Salvatore Giglio

Date and time:

09/08/2024 16:28:18

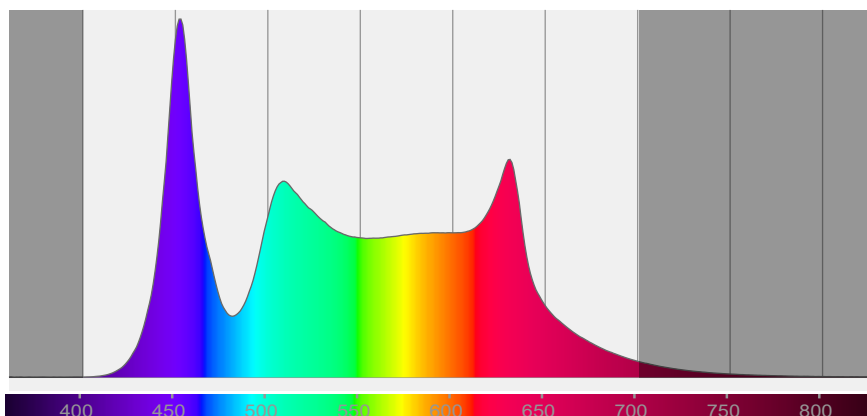


Beam angle 50%: 102,5°

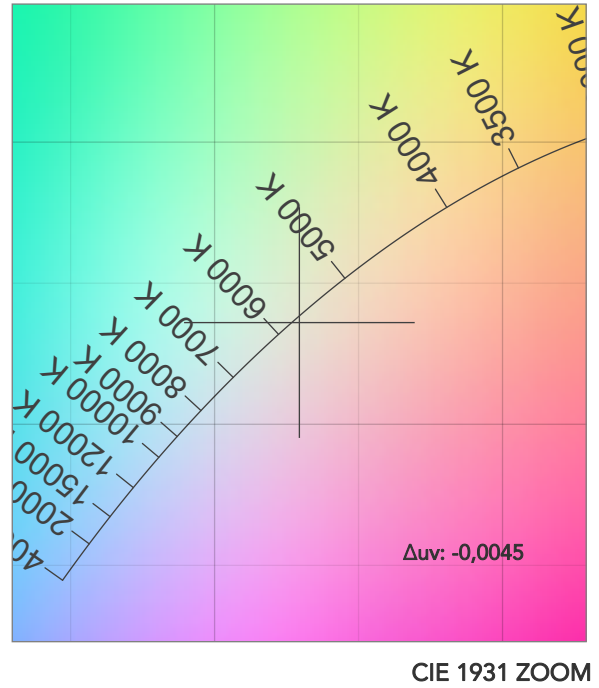
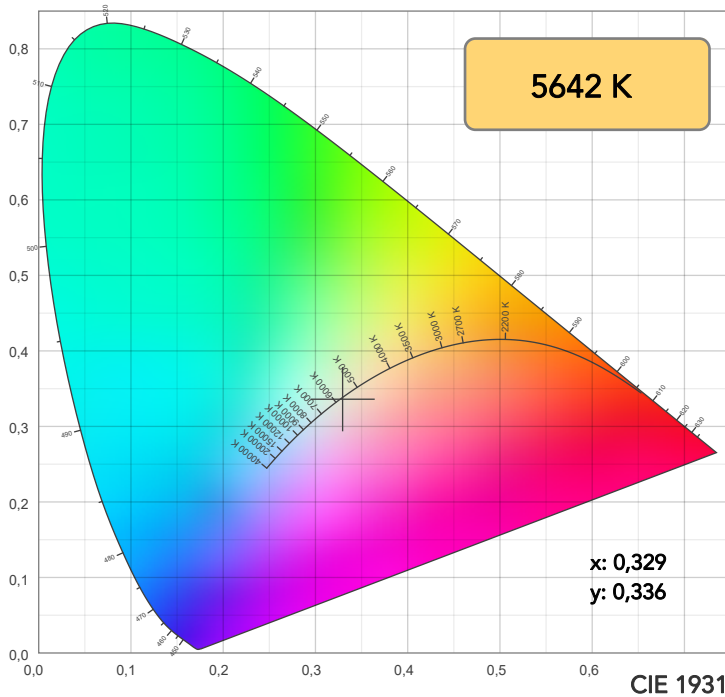
Field angle 10%: 156,4°

Cut off angle 2.5%: 170°

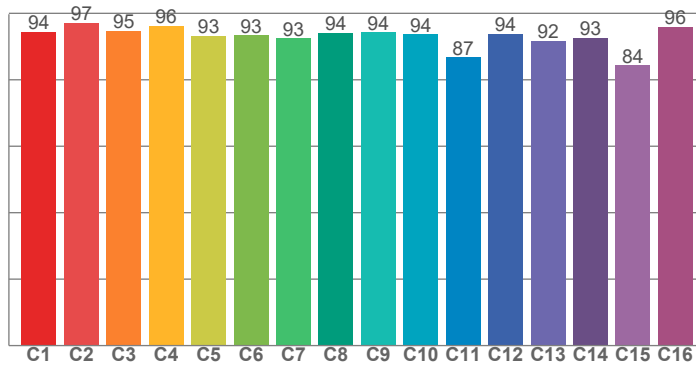
Spectra



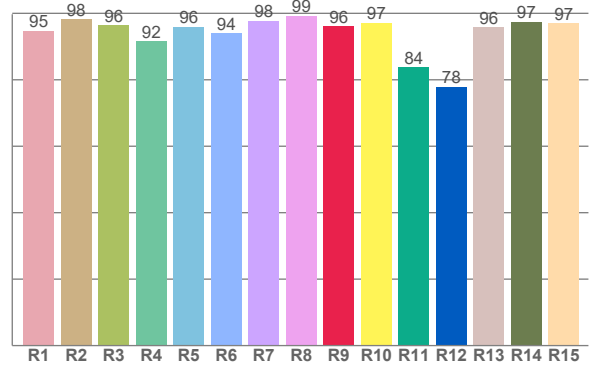
COLOR DETAILS



TM30: 92,9



CRI: 96,0 (R1-R8)



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

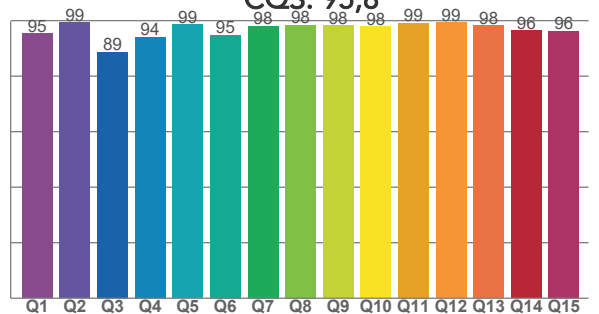
TM30 C values, 16 binned values out of total of 99 C values

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

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
5642 K	96,0	96,0	92,9	103,5	95,8	92	0,329	0,336	-0,0045

TM30 DETAILS

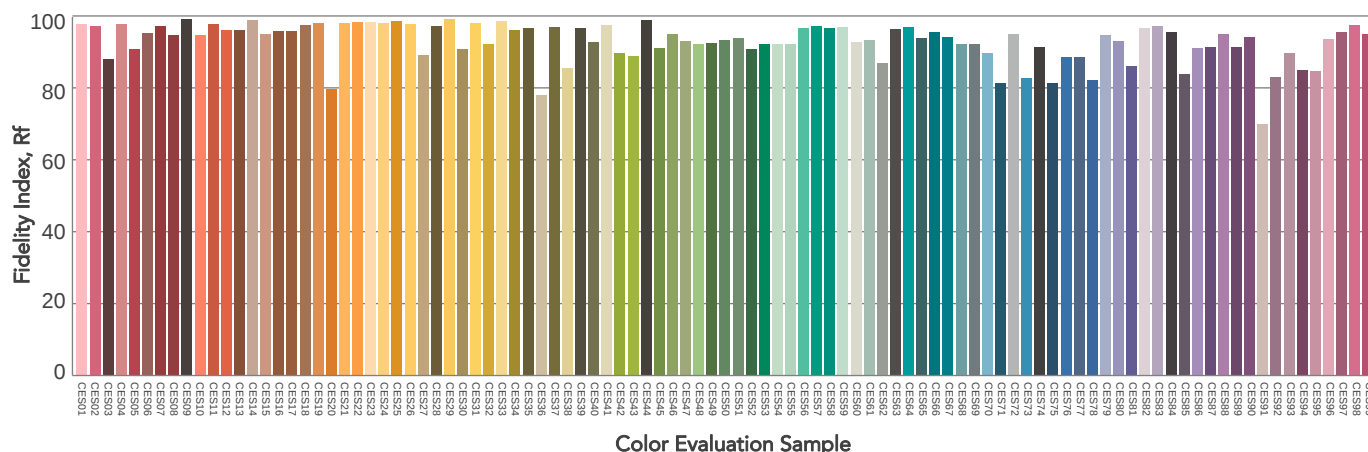
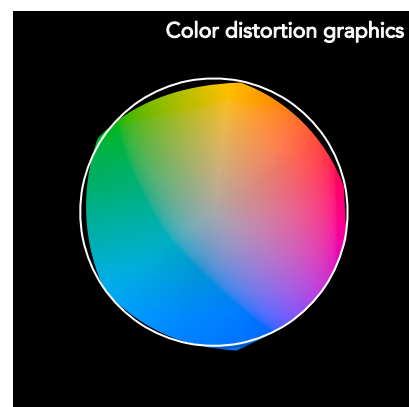
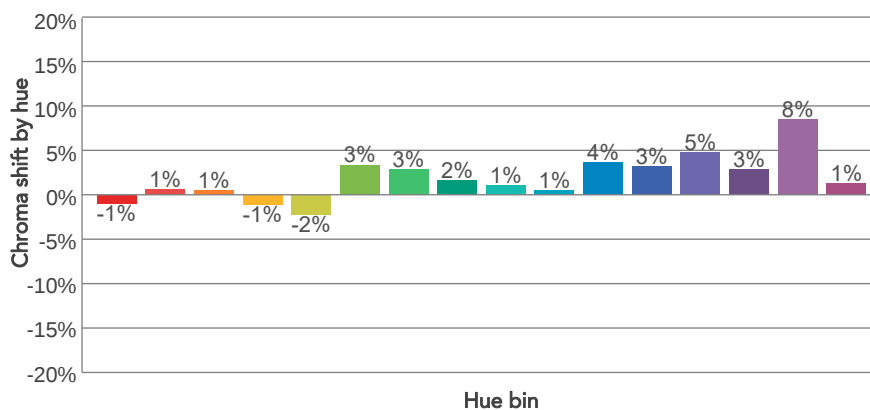
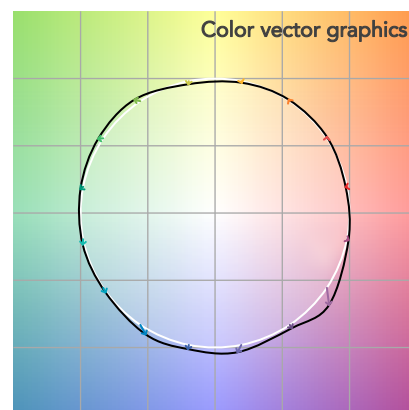
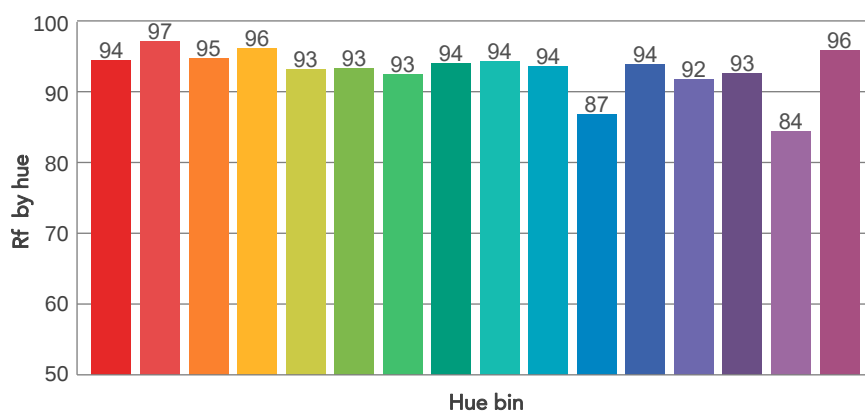
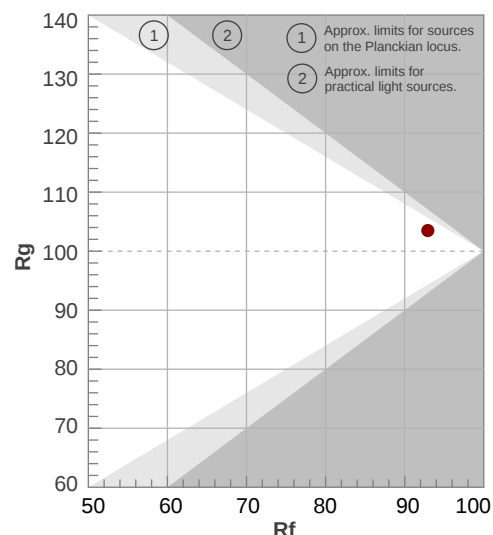
Rf 92,9

Fidelity index Rf

Rg 103,5

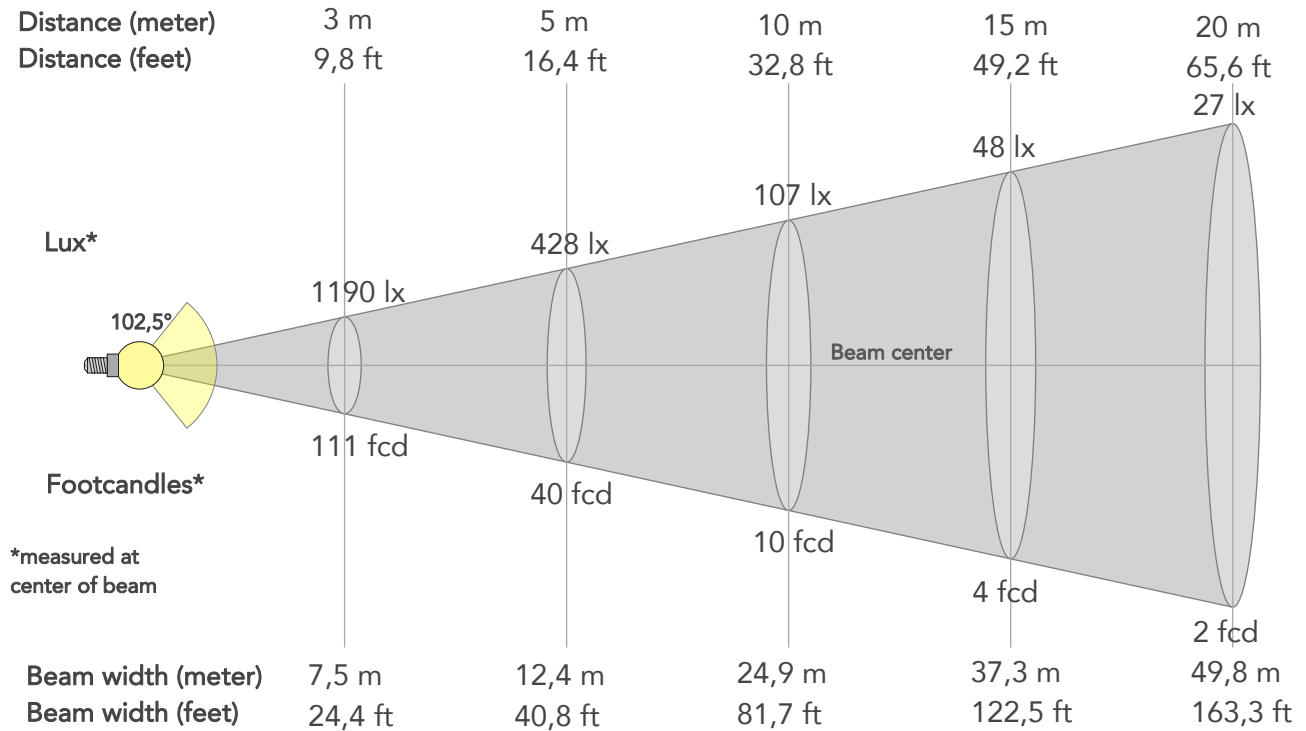
Gammut index

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

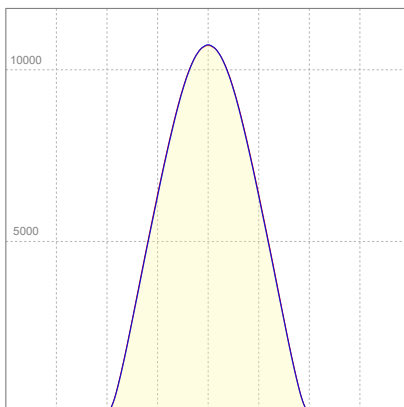
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102,5°	156,4°	170°	80,9%	56,6%



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

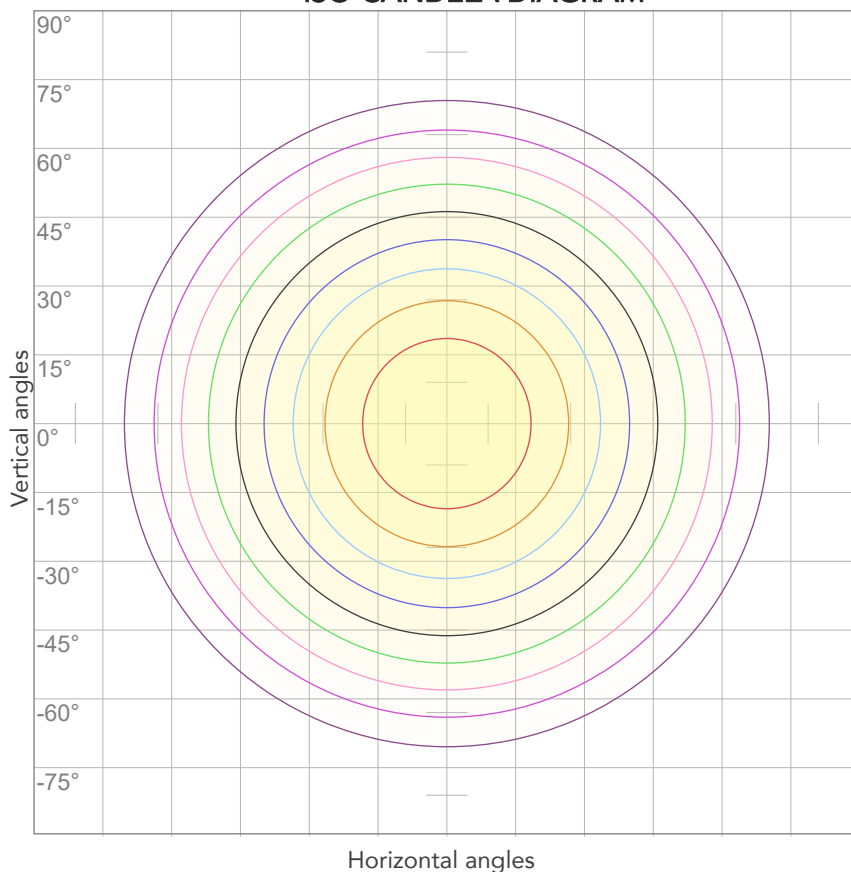


ELECTRICAL SPECIFICATIONS

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

ISO DIAGRAMS

ISO CANDELA DIAGRAM



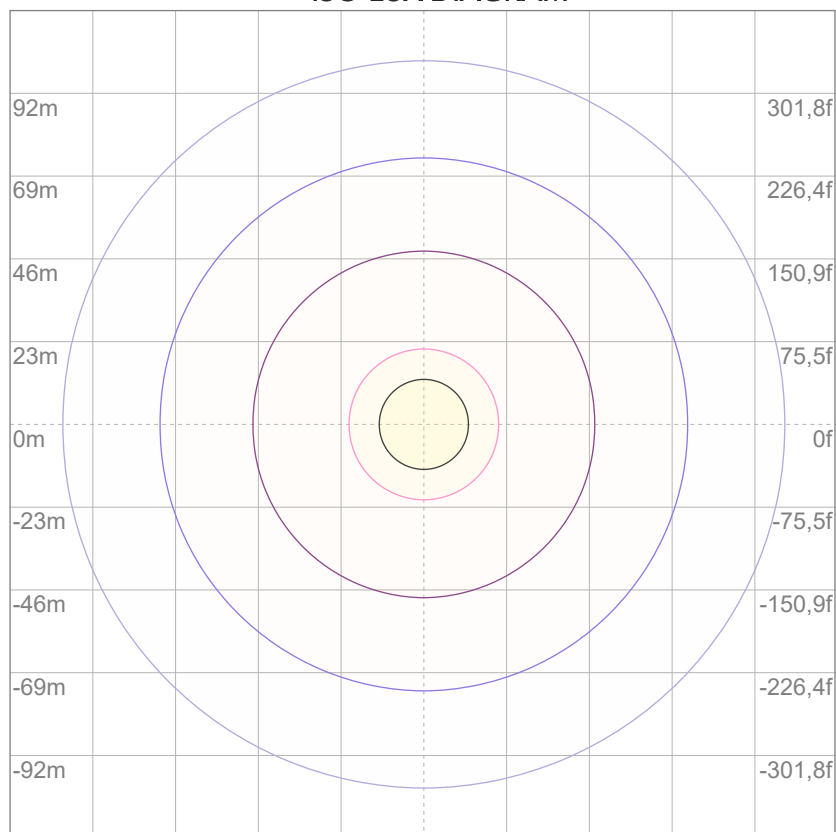
10%	1071 cd
20%	2142 cd
30%	3212 cd
40%	4283 cd
50%	5354 cd
60%	6425 cd
70%	7496 cd
80%	8566 cd

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:

27367 lm

Peak candela output:

10731 cd

Light quality:

CRI: 96,2

Color temperature:

6053 K

PRODUCT NAME:

ECLPANELIP SOFT 1X1

MEASURAMENT CONDITIONS:

Beam angle:

MD Filter

Target:

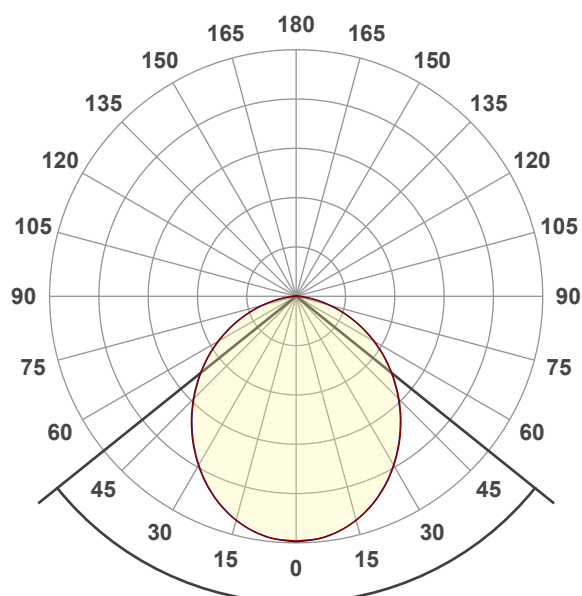
6000K - HQ

Operator:

Salvatore Giglio

Date and time:

09/08/2024 16:32:40

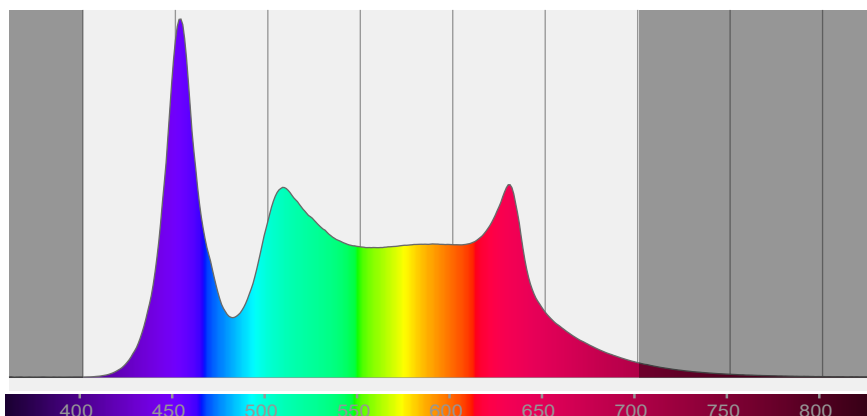


Beam angle 50%: 102,5°

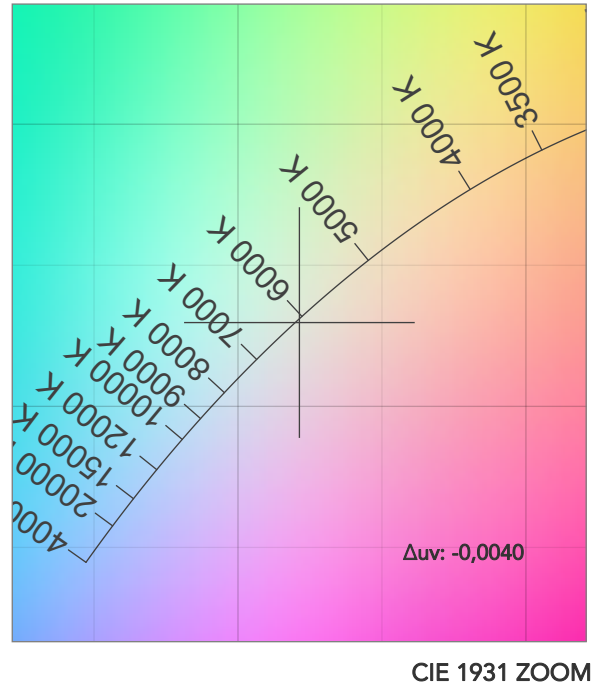
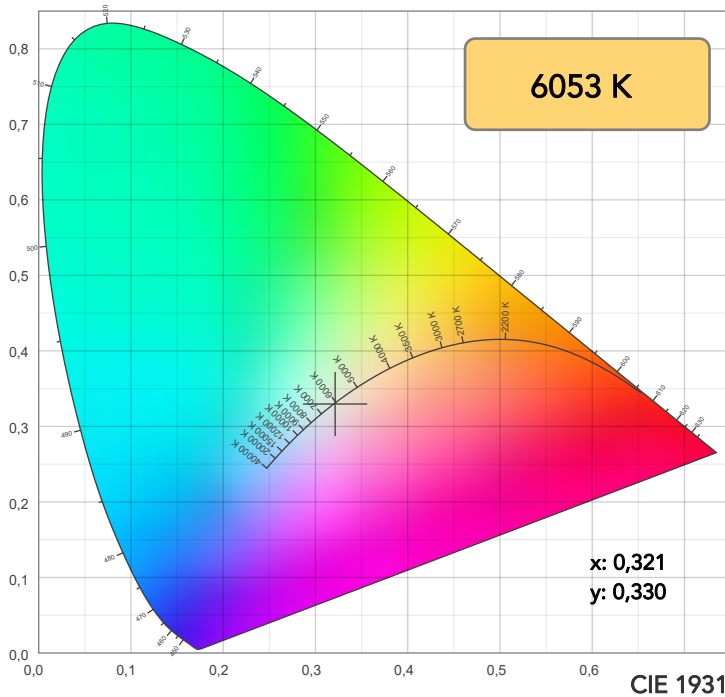
Field angle 10%: 156,4°

Cut off angle 2.5%: 169,9°

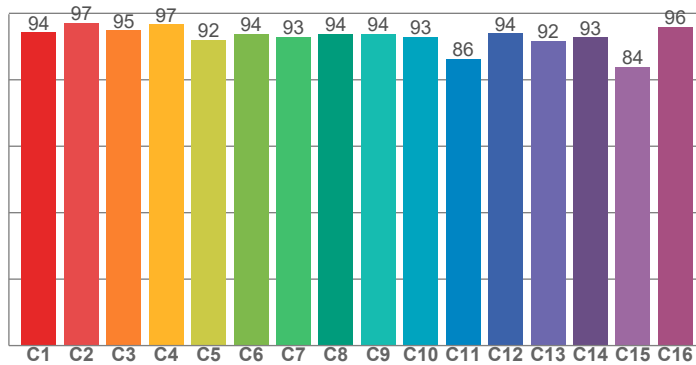
Spectra



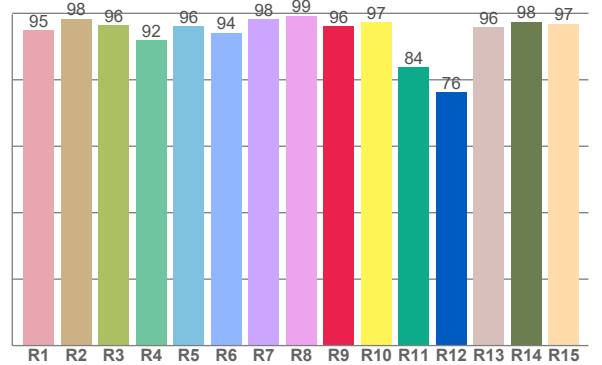
COLOR DETAILS



TM30: 92,7



CRI: 96,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,8	98,3	96,4	91,9	96,2	94,2	98,1	99,2	96,1	97,4	83,8	76,2	95,8	97,5	96,9

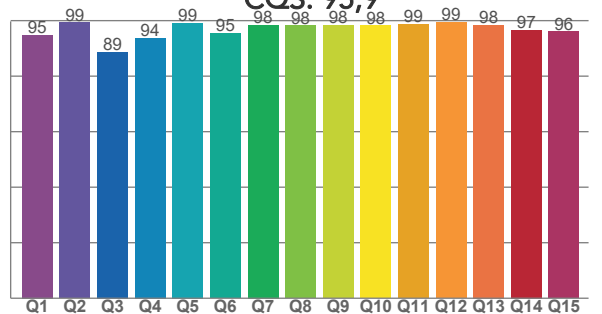
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,2	97,1	94,8	96,7	92,1	93,7	92,8	93,8	93,9	92,9	86,2	94,0	91,7	92,7	83,8	95,9

CQS Q values

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

CQS: 95,9



COLOR PARAMETERS

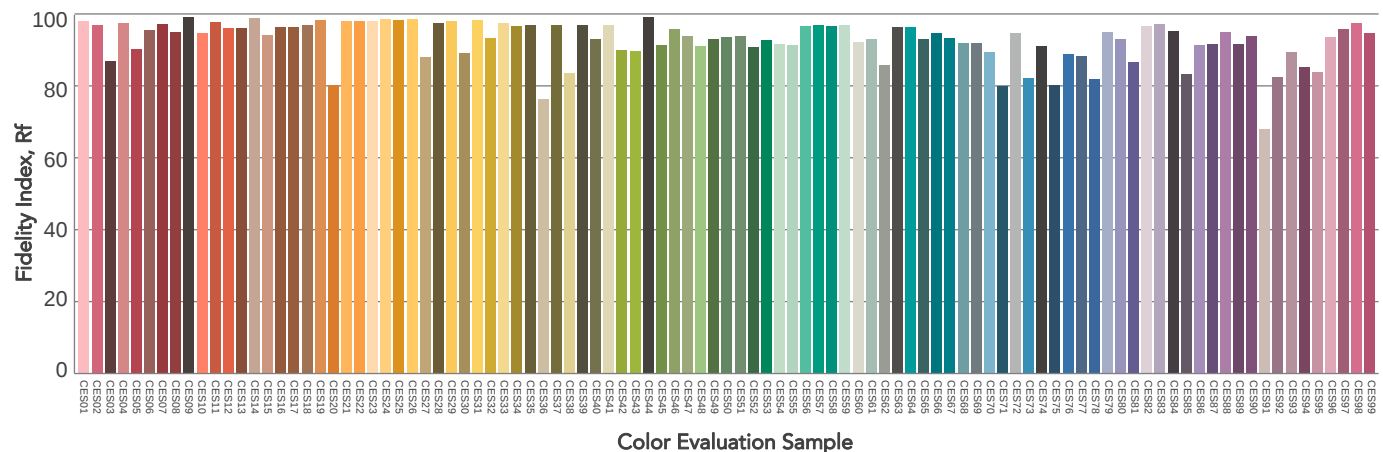
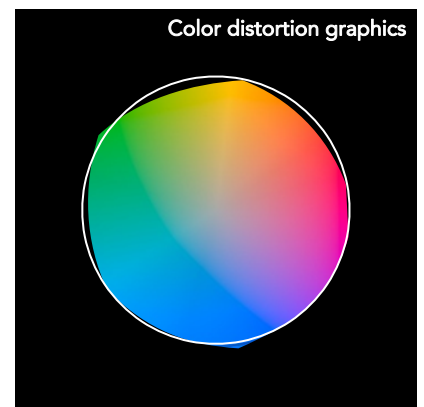
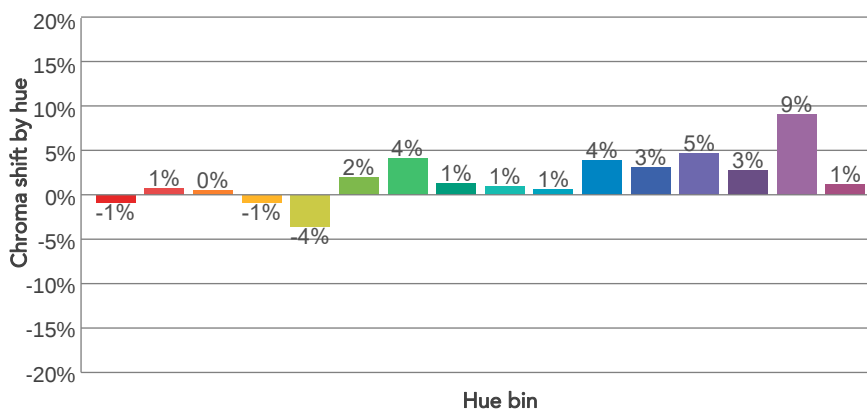
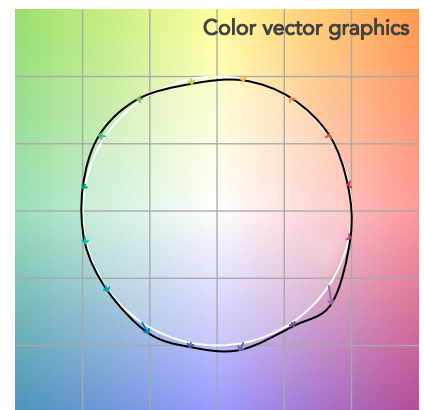
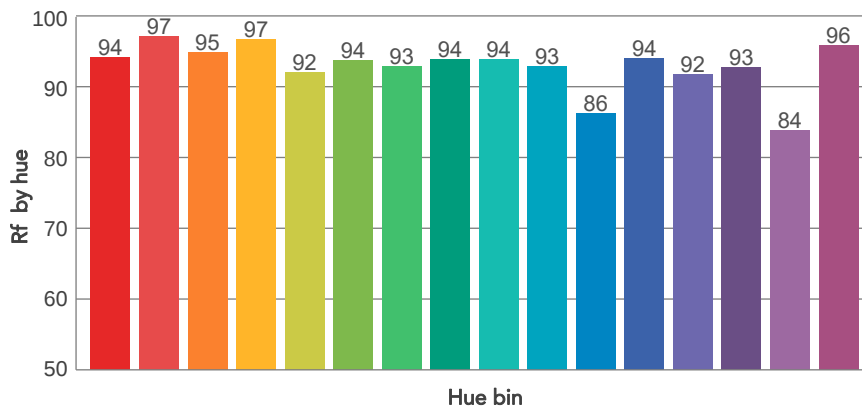
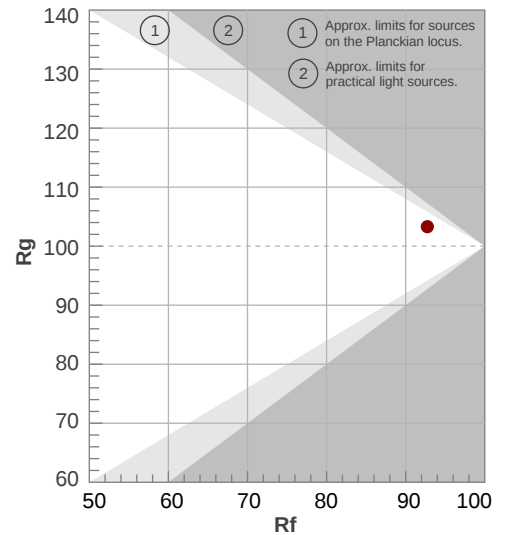
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6053 K	96,2	96,1	92,7	103,3	95,9	93	0,321	0,330	-0,0040

TM30 DETAILS

Rf 92,7
Fidelity index Rf

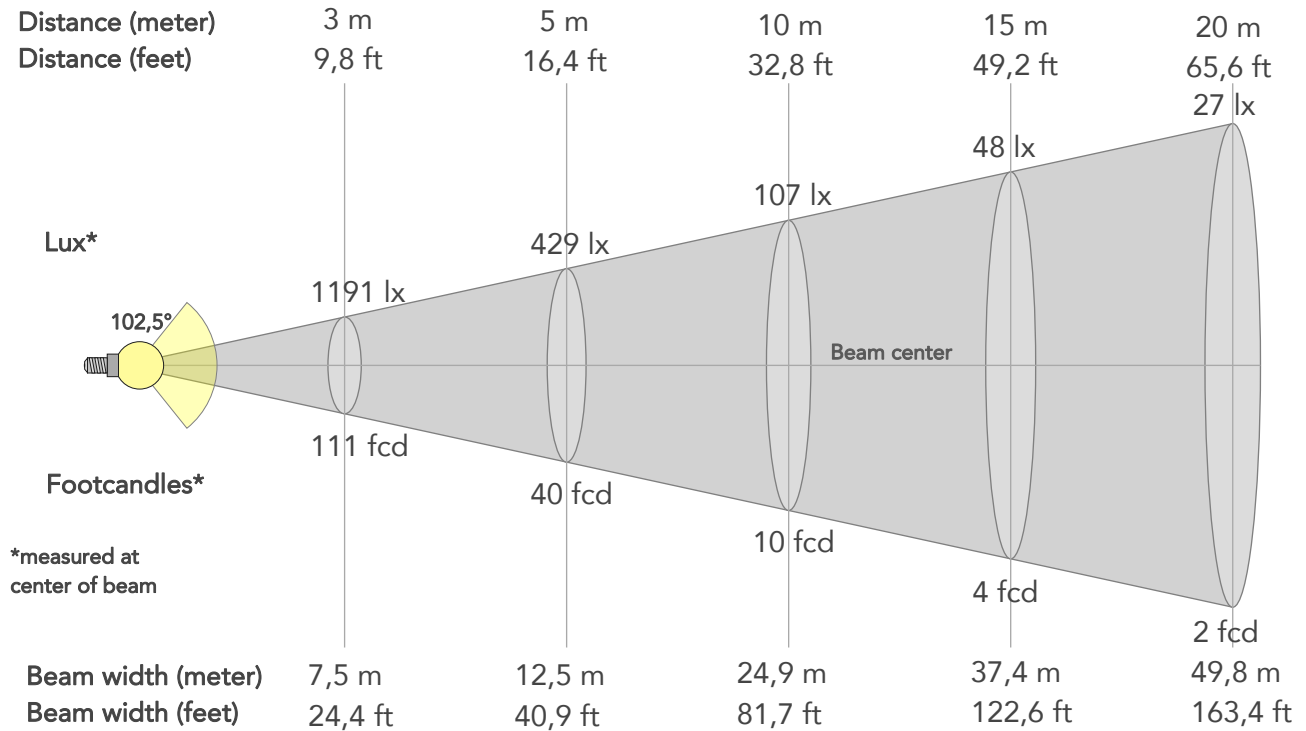
Rg 103,3
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-1%	0%
2	97	1%	1%
3	95	0%	1%
4	97	-1%	-1%
5	92	-4%	0%
6	94	2%	3%
7	93	4%	2%
8	94	1%	3%
9	94	1%	4%
10	93	1%	4%
11	86	4%	8%
12	94	3%	0%
13	92	5%	-4%
14	93	3%	0%
15	84	9%	-10%
16	96	1%	0%



BEAM DETAILS

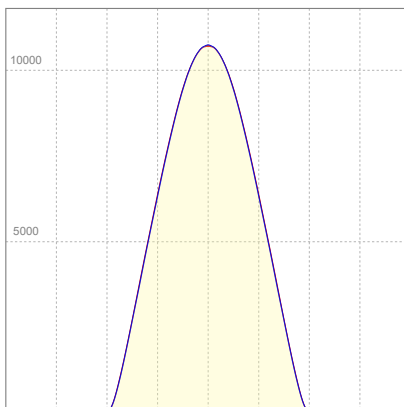
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102,5°	156,4°	169,9°	80,9%	56,6%



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	10718lx	2679lx	1191lx	670lx	429lx	191lx	107lx	48lx	27lx	17lx	12lx	7lx	4lx
Footcand.	996fcd	249fcd	111fcd	62fcd	40fcd	18fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	2,5m	5m	7,5m	10m	12,5m	18,7m	24,9m	37,4m	49,8m	62,3m	74,7m	99,6m	124,6m
Beam wid.	8,2ft	16,4ft	24,4ft	32,6ft	40,9ft	61,3ft	81,7ft	122,6ft	163,4ft	204,3ft	245,1ft	326,8ft	408,5ft

LINEAR DISTRIBUTION DIAGRAM

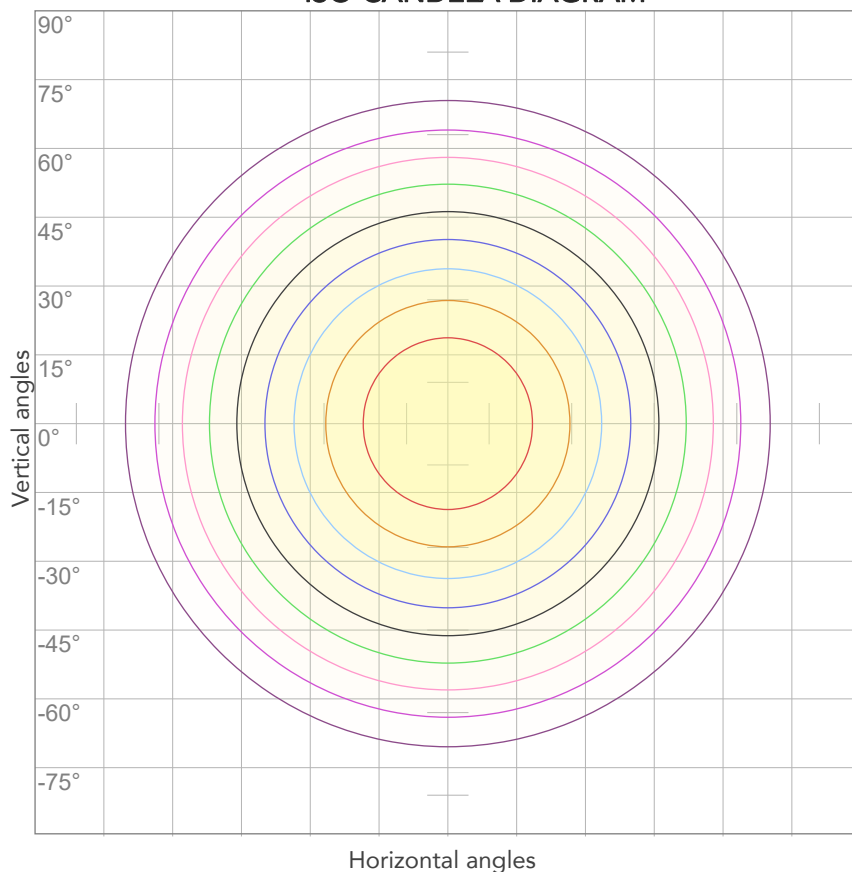


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	1,33A	299W	0,99	92lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



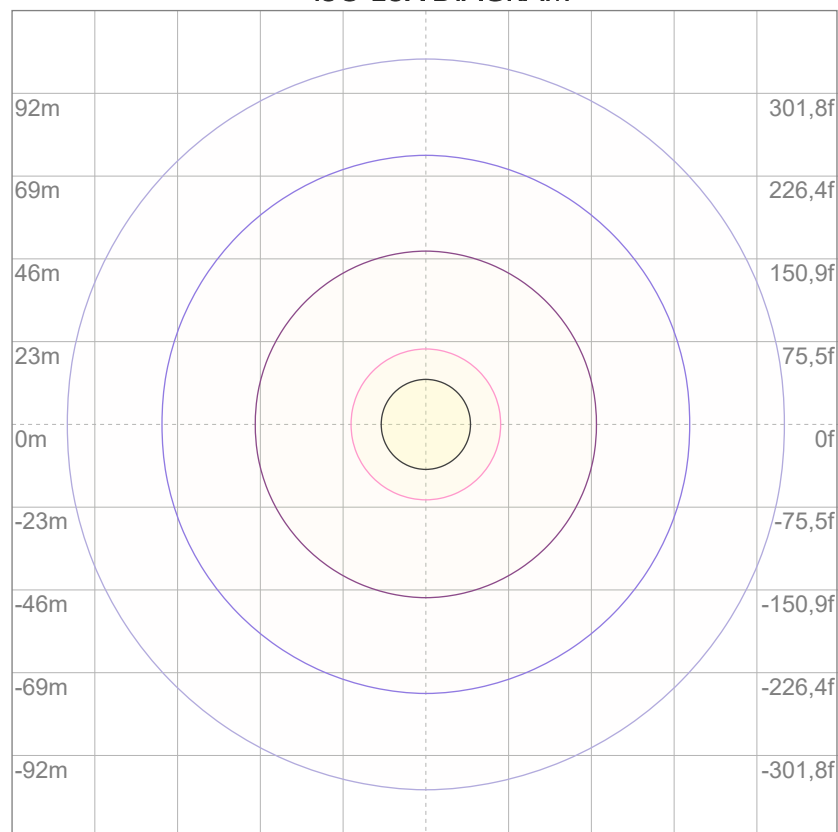
10%	1072 cd
20%	2144 cd
30%	3215 cd
40%	4287 cd
50%	5359 cd
60%	6431 cd
70%	7503 cd
80%	8574 cd

Conditions:

Number of c-planes: 4

Candela at center: 10718 cd

ISO LUX DIAGRAM



3%	3,22 lx
5%	5,36 lx
10%	10,7 lx
30%	32,2 lx
50%	53,6 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.