

Photometric Test Report



ECLFRCT+S
+ ECLFRCTPSPCLK

200W 6 colours LED Fresnel with PC lens kit
(High Quality Mode)

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Color temperature 3200K

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Color temperature 4000K

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Med Zoom	109
Min Zoom	114

Color temperature 5600K

Max Zoom	119
Med Zoom	124
Min Zoom	129

Color temperature 6000K

Max Zoom	134
Med Zoom	139
Min Zoom	144

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:

5175 lm

Peak candela output:

5797 cd

Light quality:

CRI: 84,8

Color temperature:

4438 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

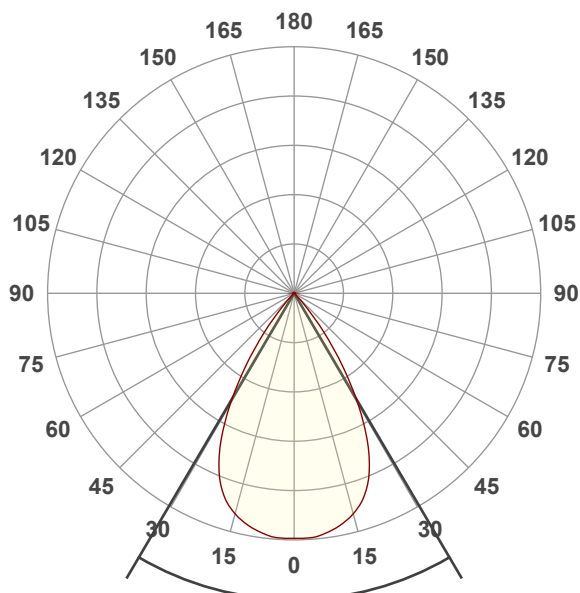
Full On - HQ - RAW Mode

Operator:

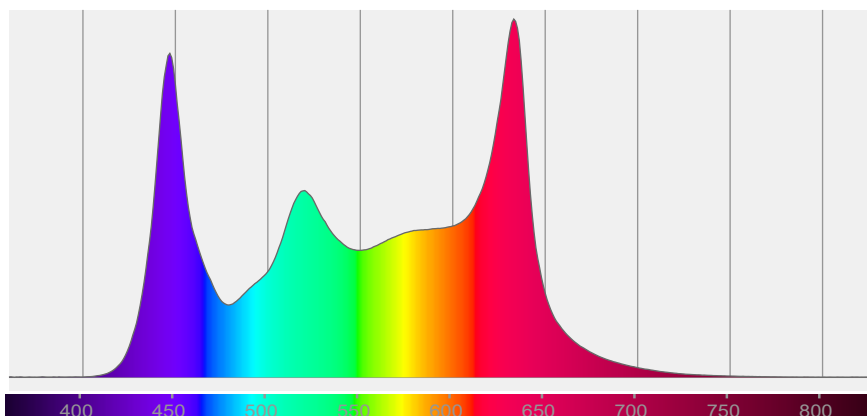
Salvatore Giglio

Date and time:

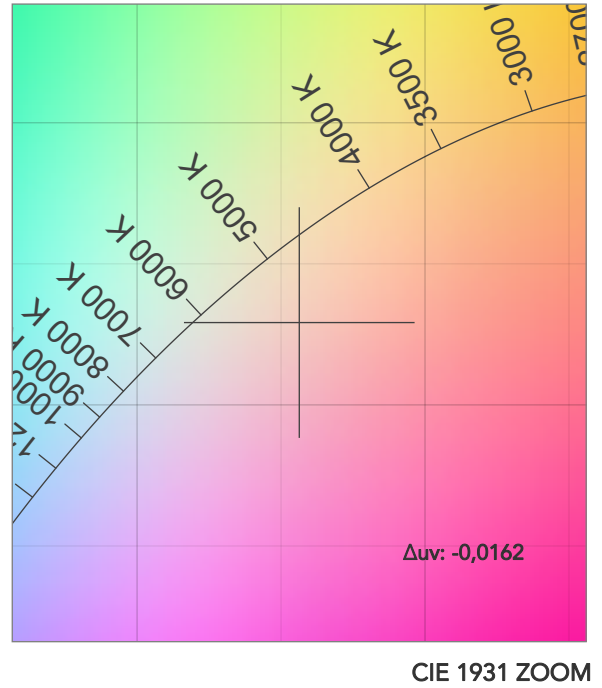
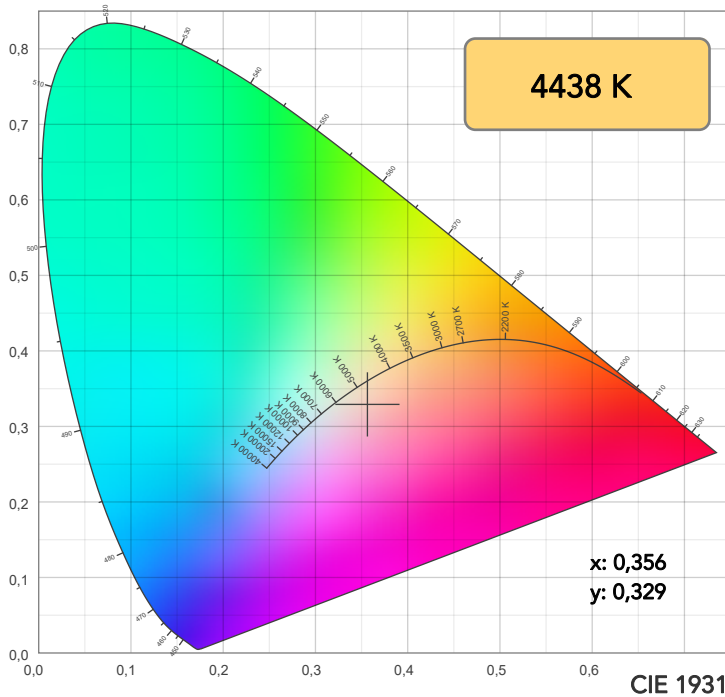
31/05/2024 10:28:39



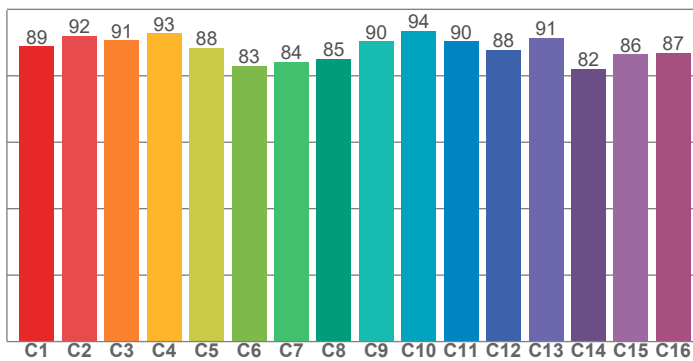
Spectra



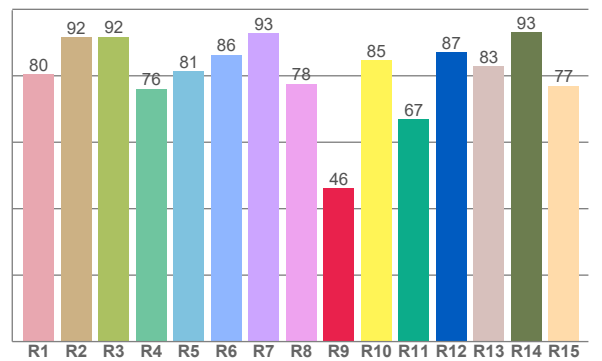
COLOR DETAILS



TM30: 89,0



CRI: 84,8 (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
80,4	91,6	91,8	76,1	81,5	86,3	92,7	77,6	46,2	84,8	67,0	87,2	82,9	93,2	77,0

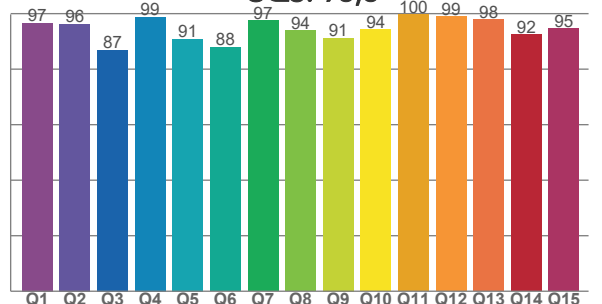
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,9	92,0	90,7	92,8	88,3	83,0	84,2	85,1	90,4	93,5	90,4	87,7	91,4	82,1	86,4	86,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,6	96,3	86,9	98,7	90,9	87,9	97,5	93,9	91,2	94,3	99,6	99,0	97,9	92,4	94,6

CQS: 93,3



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4438 K	84,8	46,2	89,0	112,3	93,3	85	0,356	0,329	-0,0162

TM30 DETAILS

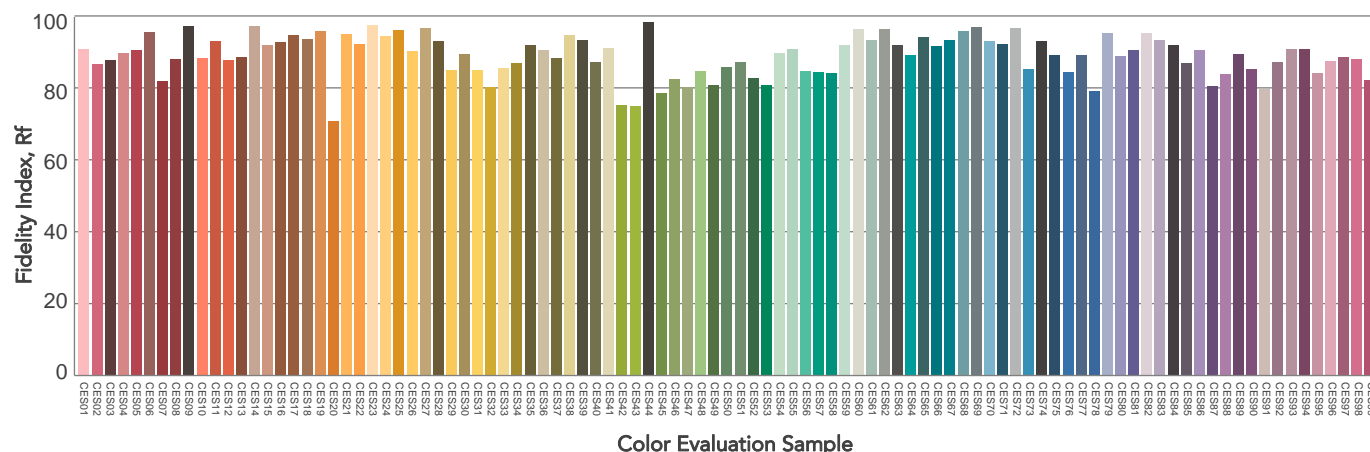
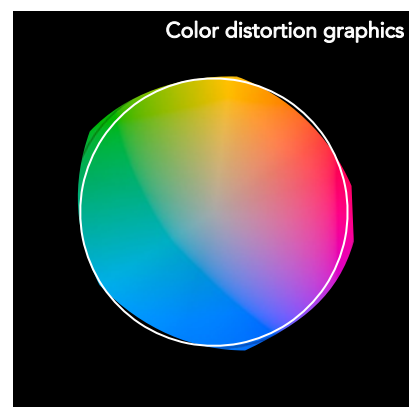
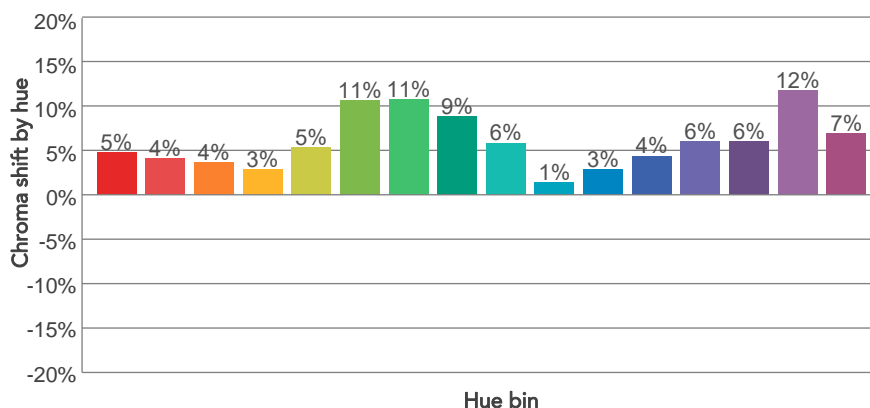
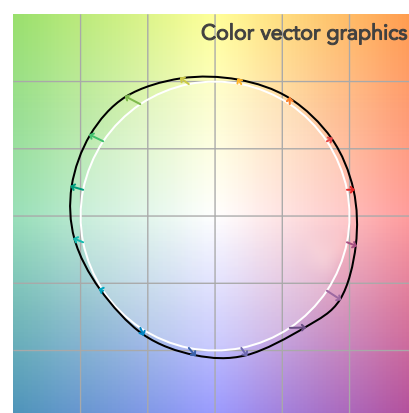
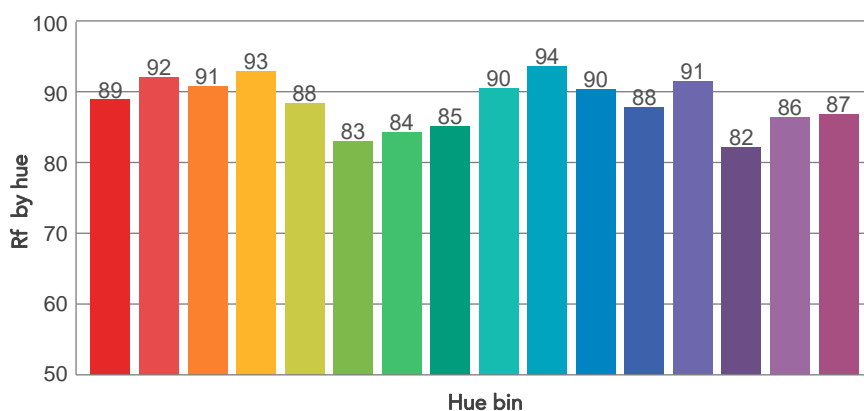
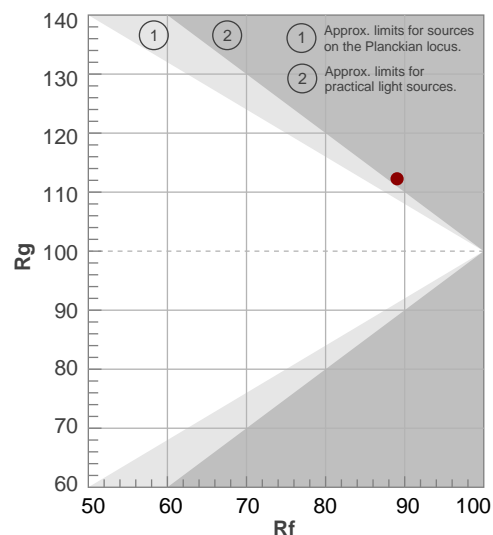
Rf 89,0

Fidelity index Rf

Rg 112,3

Gammut index

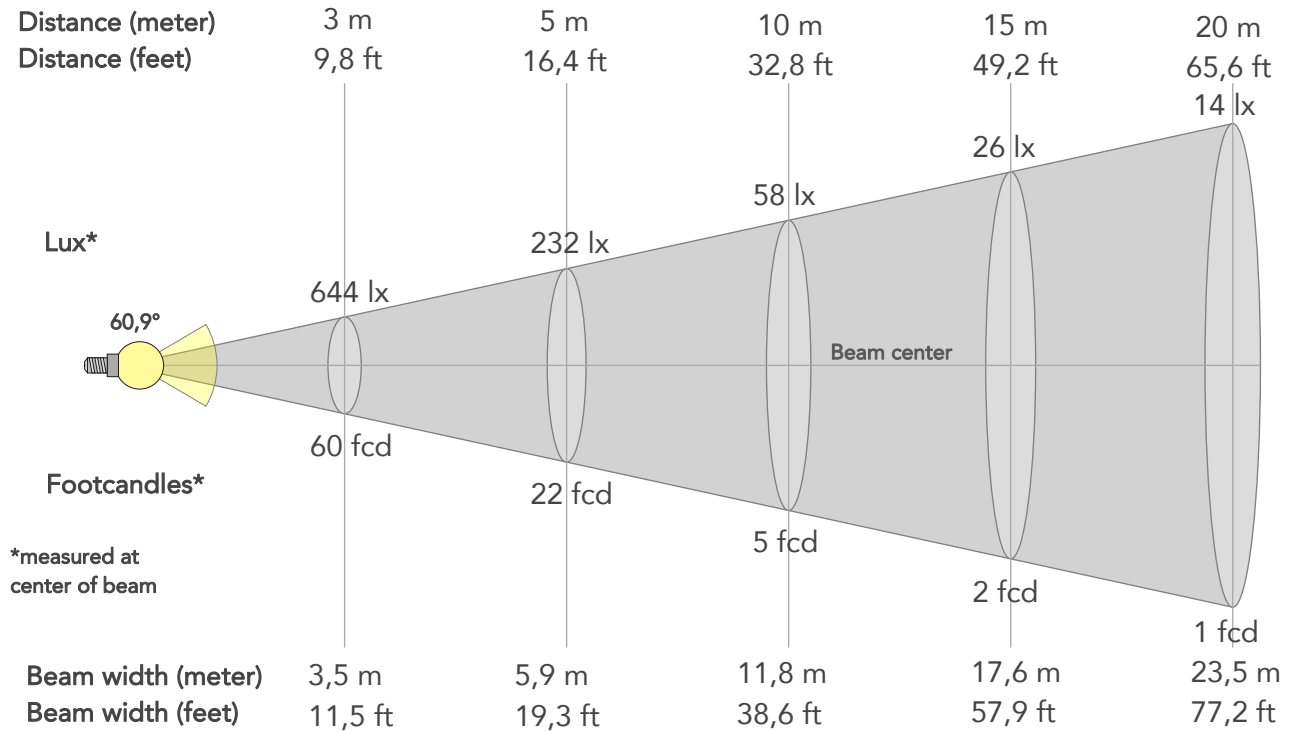
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	5%	-1%
2	92	4%	0%
3	91	4%	2%
4	93	3%	3%
5	88	5%	5%
6	83	11%	6%
7	84	11%	1%
8	85	9%	-1%
9	90	6%	-4%
10	94	1%	-2%
11	90	3%	5%
12	88	4%	5%
13	91	6%	3%
14	82	6%	9%
15	86	12%	0%
16	87	7%	-1%



BEAM DETAILS



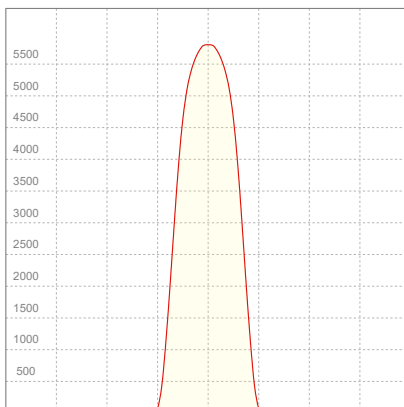
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
60,9°	80,9°	88,3°	99,4%	99,0%



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	5797lx	1449lx	644lx	362lx	232lx	103lx	58lx	26lx	14lx	9lx	6lx	4lx	2lx
Footcand.	539fcd	135fcd	60fcd	34fcd	22fcd	10fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,2m	2,4m	3,5m	4,7m	5,9m	8,8m	11,8m	17,6m	23,5m	29,4m	35,3m	47m	58,8m
Beam wid.	3,9ft	7,8ft	11,5ft	15,4ft	19,3ft	28,9ft	38,6ft	57,9ft	77,2ft	96,5ft	115,7ft	154,3ft	192,9ft

LINEAR DISTRIBUTION DIAGRAM

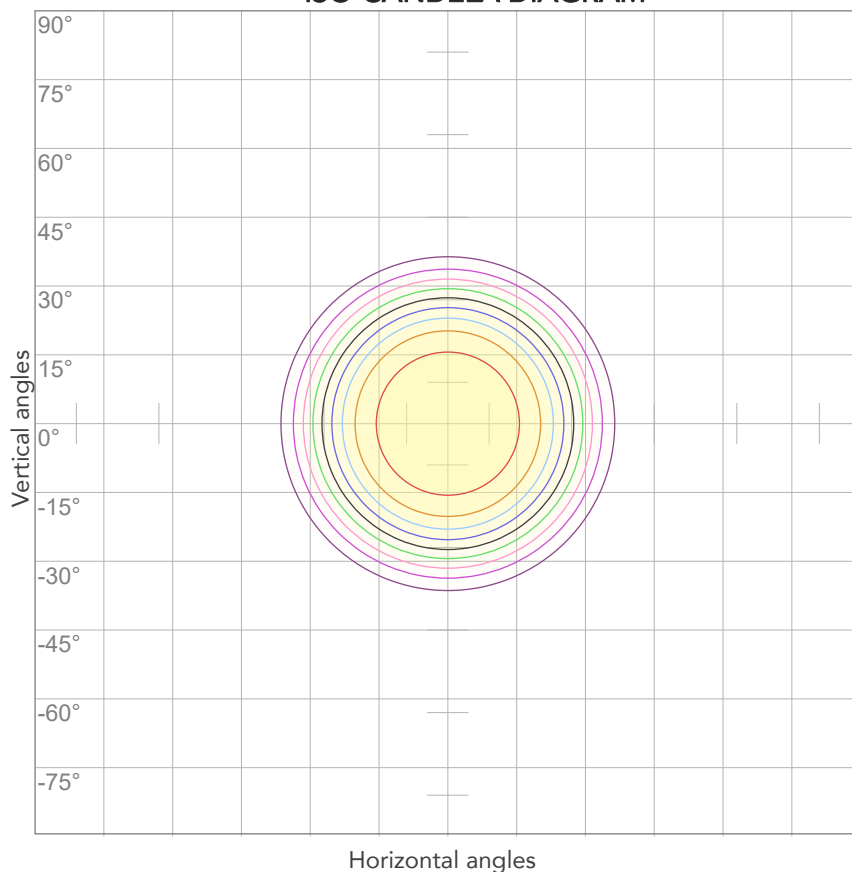


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,898A	201,2W	0,99	26lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



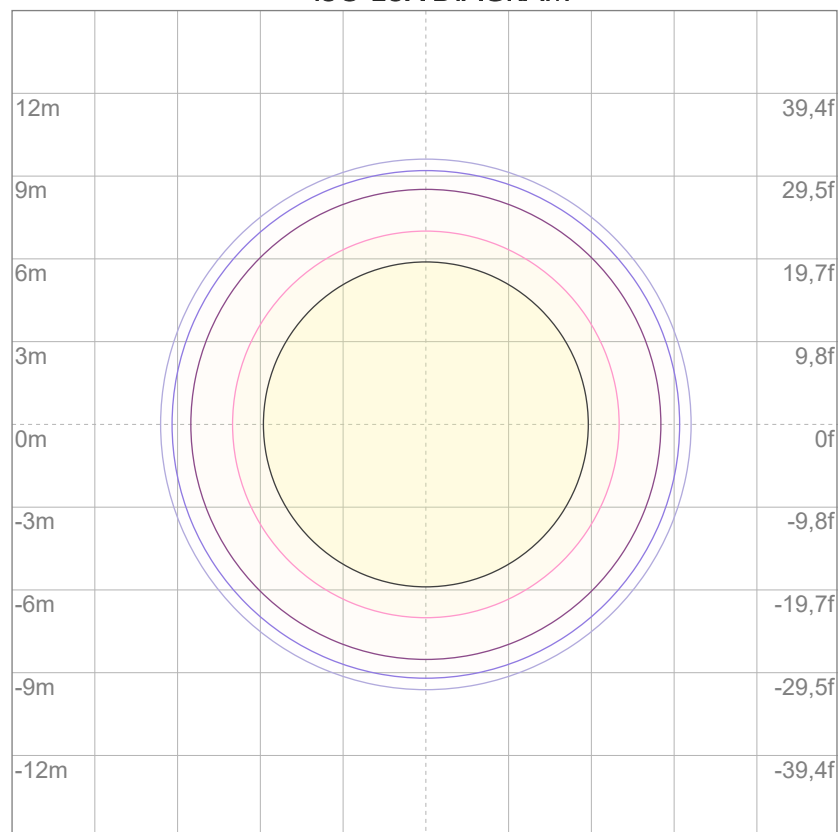
10%	580 cd
20%	1159 cd
30%	1739 cd
40%	2319 cd
50%	2899 cd
60%	3478 cd
70%	4058 cd
80%	4638 cd

Conditions:

Number of c-planes: 2

Candela at center: 5797 cd

ISO LUX DIAGRAM



3%	1,74 lx
5%	2,90 lx
10%	5,80 lx
30%	17,4 lx
50%	29,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 58,0 lx

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



Total lumen output:

3883 lm

Peak candela output:

10253 cd

Light quality:

CRI: 84,0

Color temperature:

4399 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

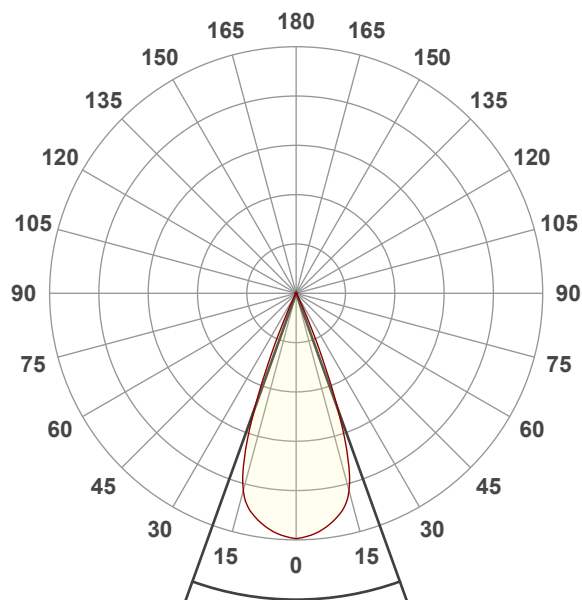
Full On - HQ - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 17:54:08

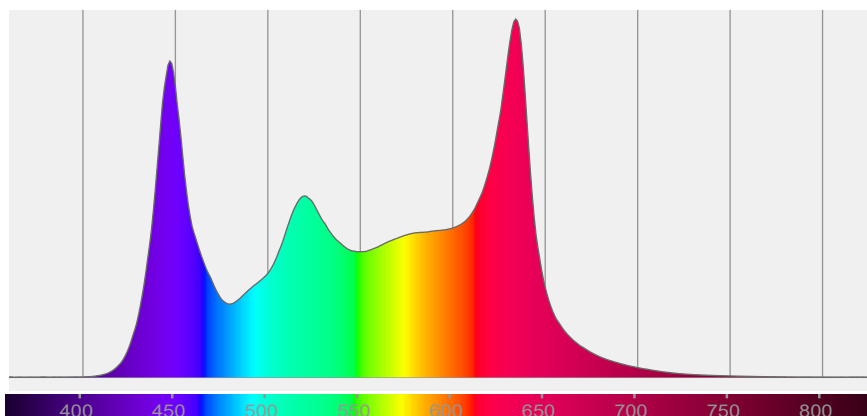


Beam angle 50%: 39,6°

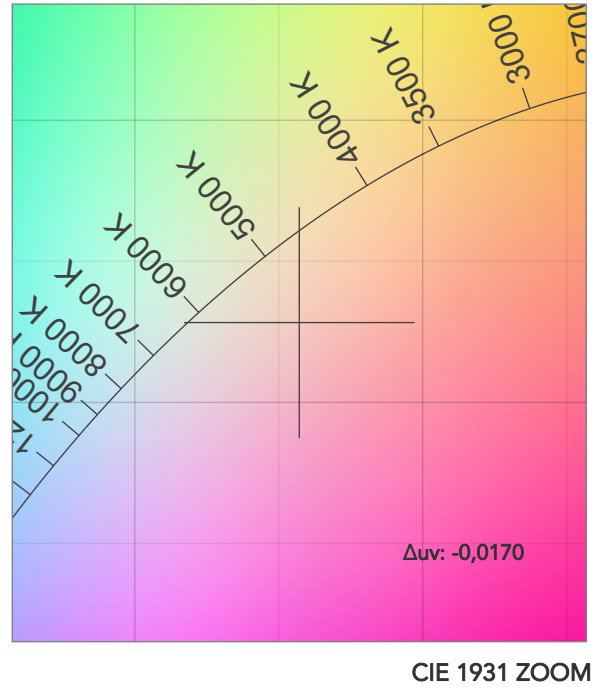
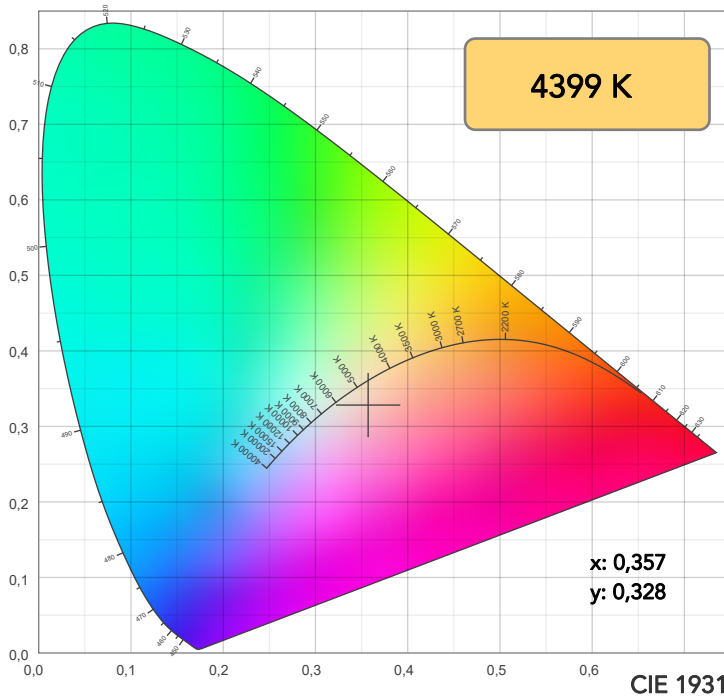
Field angle 10%: 49,1°

Cut off angle 2.5%: 54,4°

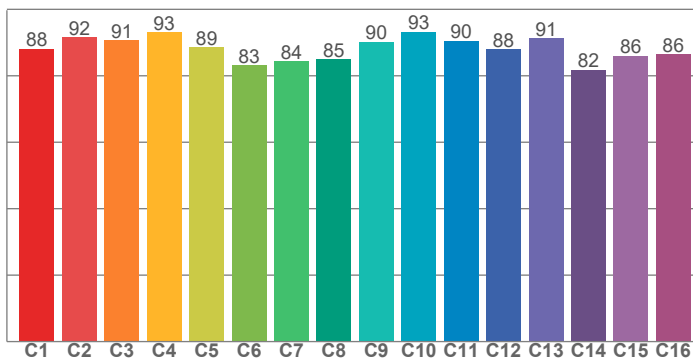
Spectra



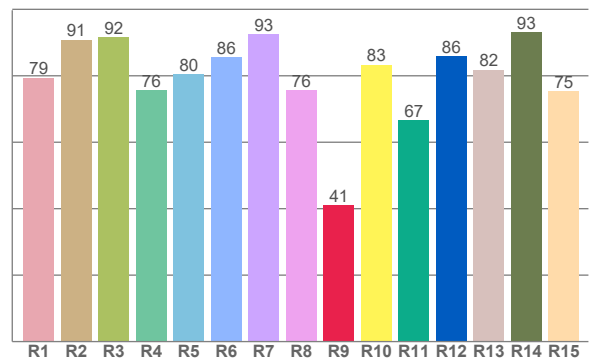
COLOR DETAILS



TM30: 88,9



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
79,4	90,8	91,7	75,7	80,5	85,6	92,5	75,6	40,9	83,3	66,6	85,9	81,8	93,1	75,3

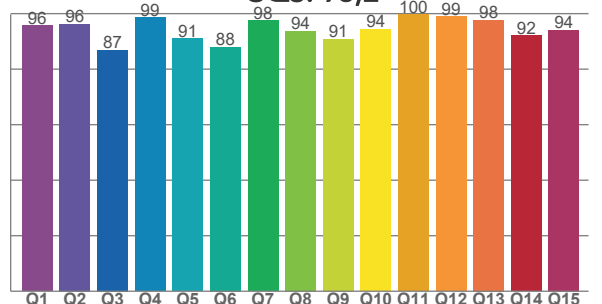
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,1	91,6	90,6	93,1	88,6	83,2	84,3	85,0	90,1	93,2	90,5	88,0	91,3	81,8	85,9	86,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,7	96,2	86,9	98,6	91,0	88,0	97,6	93,7	90,9	94,3	99,6	98,9	97,8	92,1	94,1

CQS: 93,2



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4399 K	84,0	40,9	88,9	112,4	93,2	86	0,357	0,328	-0,0170

TM30 DETAILS

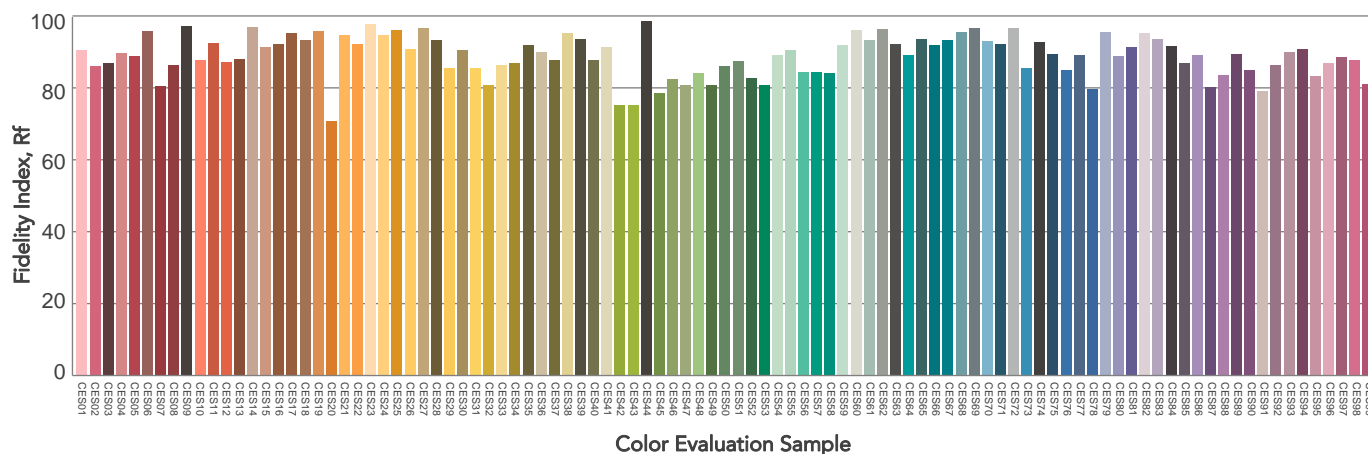
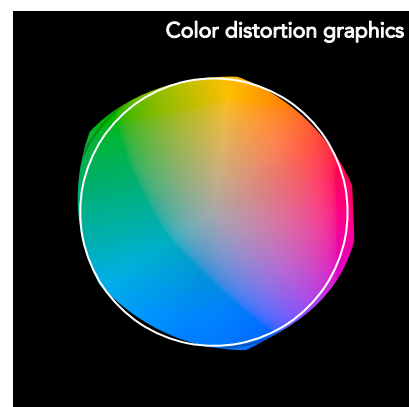
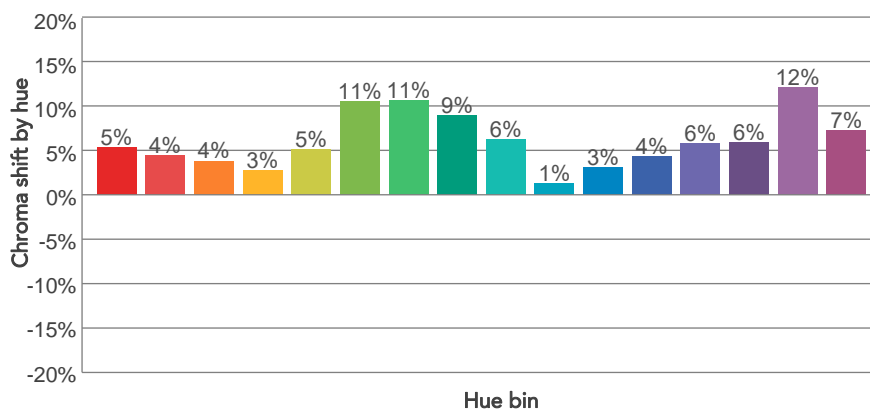
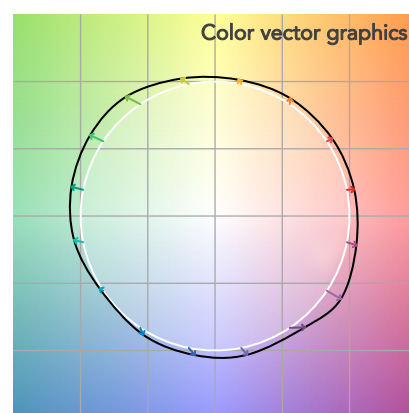
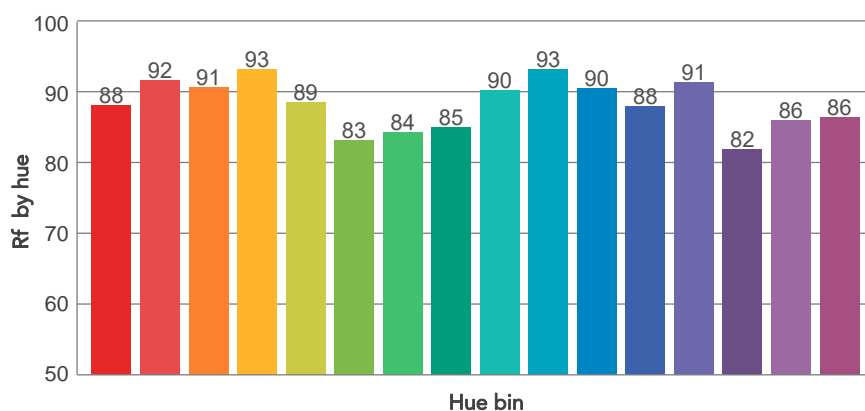
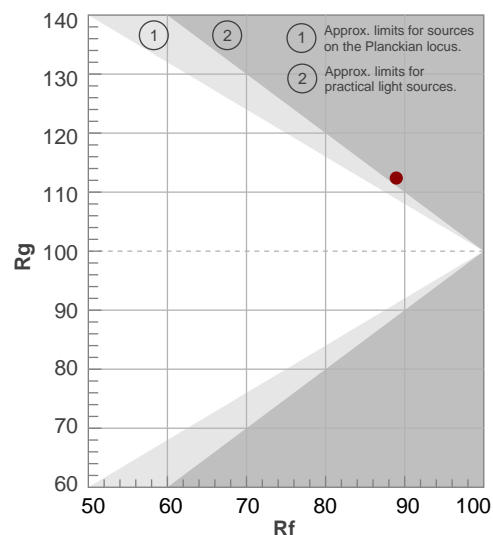
Rf 88,9

Fidelity index Rf

Rg 112,4

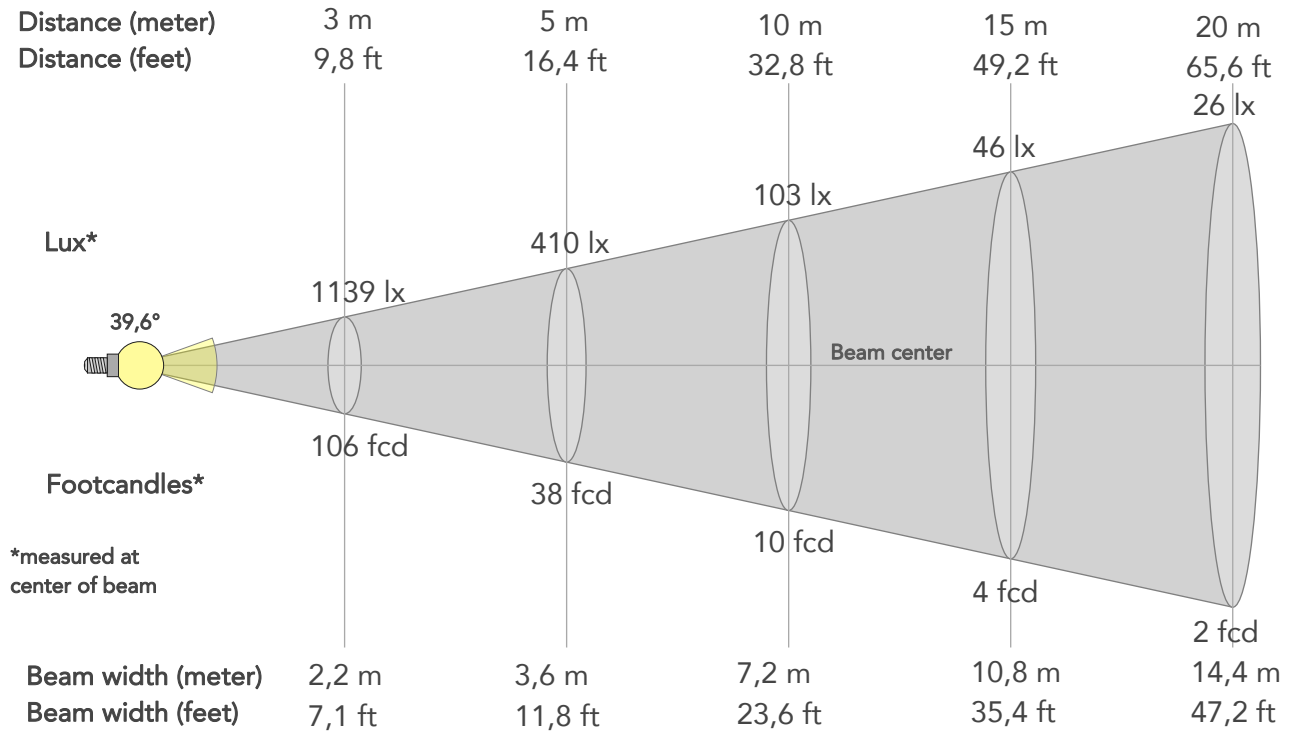
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	88	5%	-1%
2	92	4%	0%
3	91	4%	2%
4	93	3%	3%
5	89	5%	5%
6	83	11%	6%
7	84	11%	2%
8	85	9%	-1%
9	90	6%	-3%
10	93	1%	-3%
11	90	3%	4%
12	88	4%	5%
13	91	6%	3%
14	82	6%	10%
15	86	12%	1%
16	86	7%	-1%



BEAM DETAILS

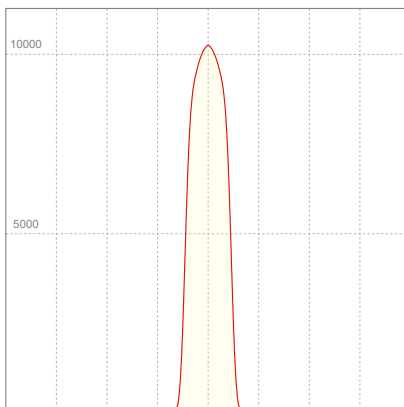
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,6°	49,1°	54,4°	99,1%	98,0%



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	10253lx	2563lx	1139lx	641lx	410lx	182lx	103lx	46lx	26lx	16lx	11lx	6lx	4lx
Footcand.	953fcd	238fcd	106fcd	60fcd	38fcd	17fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,7m	1,4m	2,2m	2,9m	3,6m	5,4m	7,2m	10,8m	14,4m	18m	21,6m	28,8m	36m
Beam wid.	2,4ft	4,8ft	7,1ft	9,4ft	11,8ft	17,7ft	23,6ft	35,4ft	47,2ft	59ft	70,8ft	94,5ft	118,1ft

LINEAR DISTRIBUTION DIAGRAM

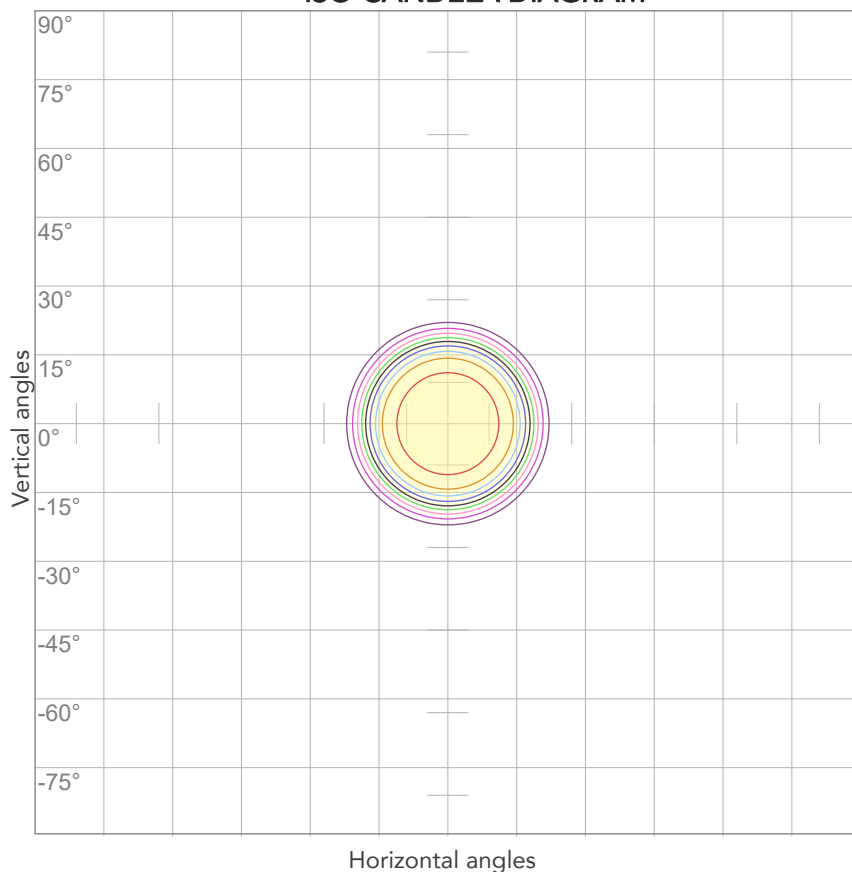


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,900A	199,3W	0,98	19lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



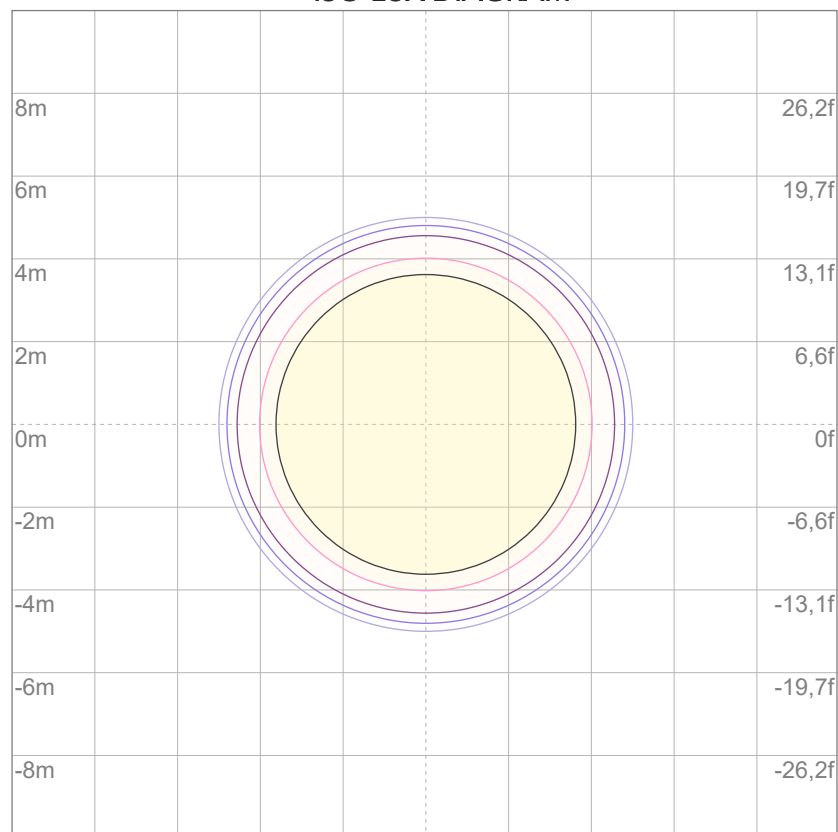
10%	1025 cd
20%	2051 cd
30%	3076 cd
40%	4101 cd
50%	5126 cd
60%	6152 cd
70%	7177 cd
80%	8202 cd

Conditions:

Number of c-planes: 2

Candela at center: 10253 cd

ISO LUX DIAGRAM



3%	3,08 lx
5%	5,13 lx
10%	10,3 lx
30%	30,8 lx
50%	51,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 103 lx

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



Total lumen output:

2783 lm

Peak candela output:

25251 cd

Light quality:

CRI: 84,2

Color temperature:

4410 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

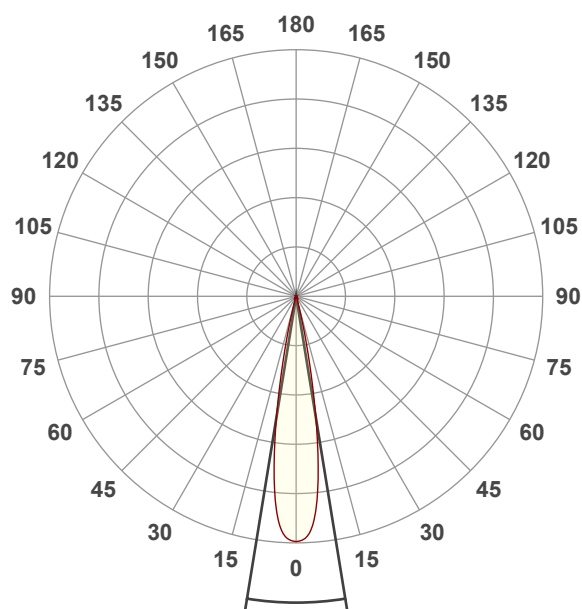
Full On - HQ - RAW Mode

Operator:

Salvatore Giglio

Date and time:

31/05/2024 09:30:26

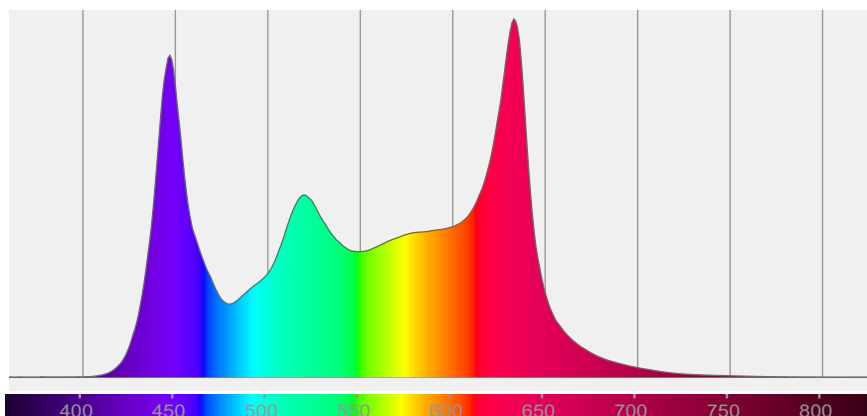


Beam angle 50%: 18,5°

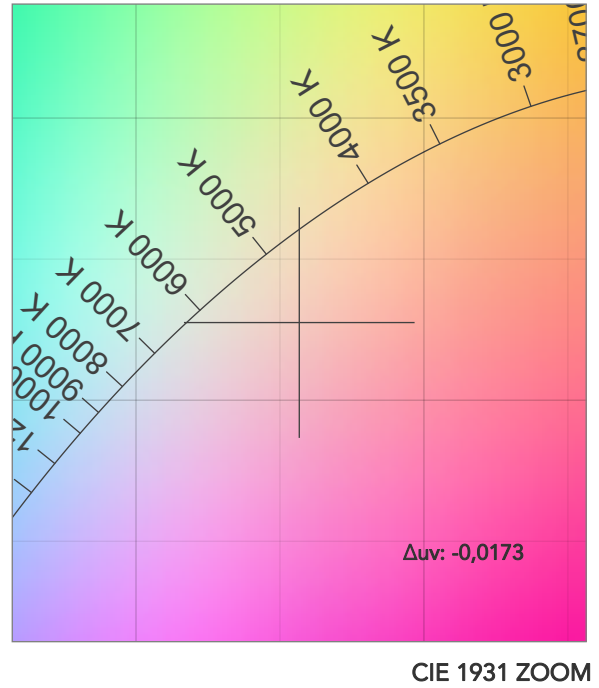
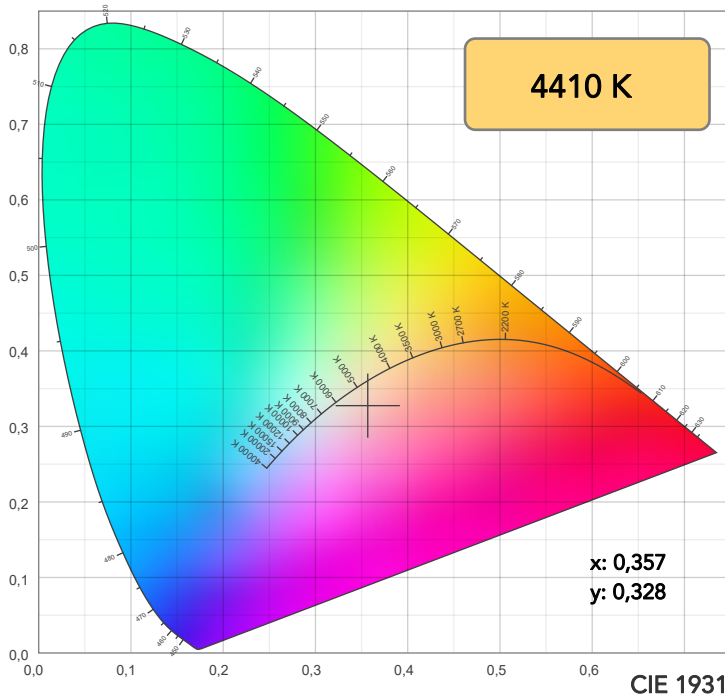
Field angle 10%: 27,5°

Cut off angle 2.5%: 32,2°

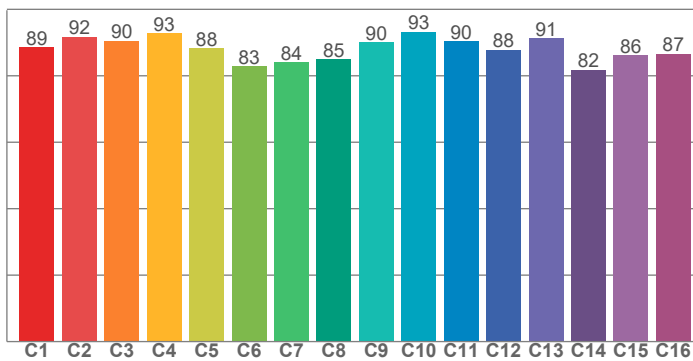
Spectra



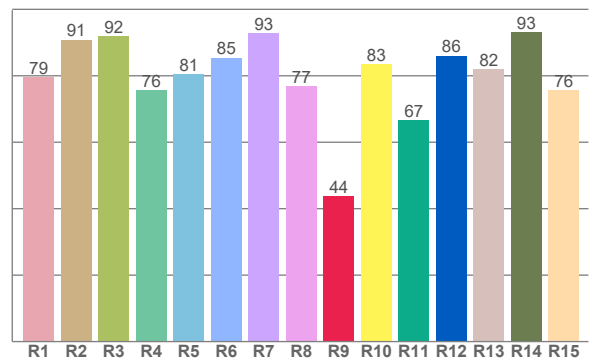
COLOR DETAILS



TM30: 88,9



CRI: 84,2 (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
79,5	90,8	91,9	75,7	80,6	85,4	92,8	76,8	43,8	83,4	66,6	86,0	81,9	93,2	75,7

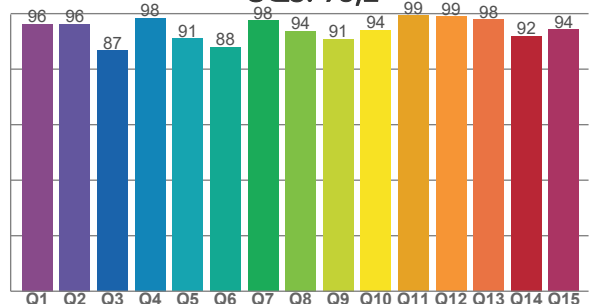
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,5	91,7	90,5	92,8	88,3	82,9	84,1	84,9	90,1	93,2	90,3	87,7	91,3	81,7	86,2	86,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,3	96,2	86,6	98,5	91,0	88,0	97,5	93,7	90,9	94,1	99,3	99,0	97,8	92,0	94,3

CQS: 93,2



COLOR PARAMETERS

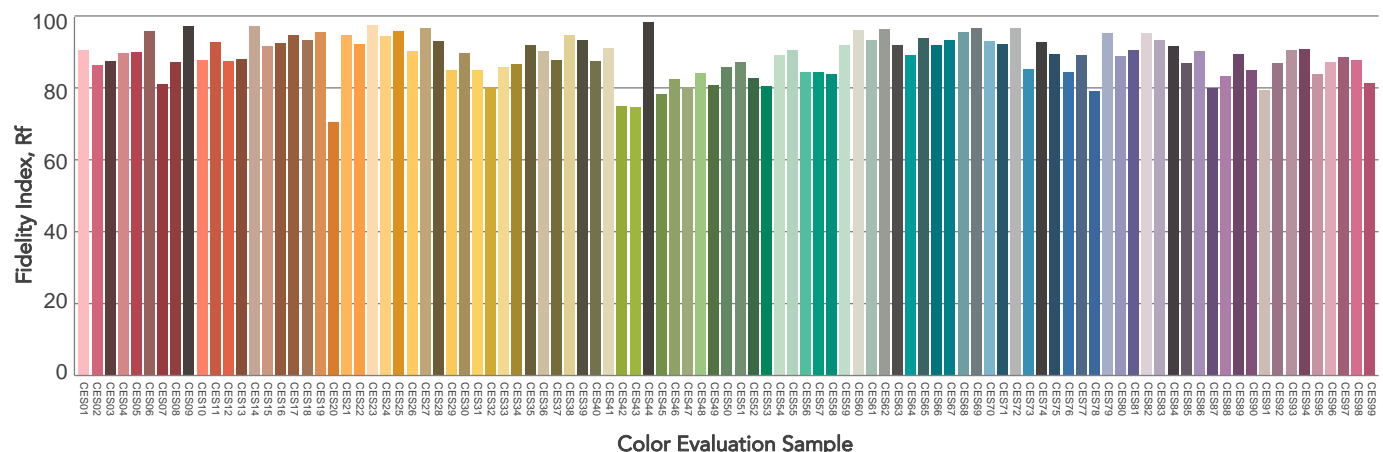
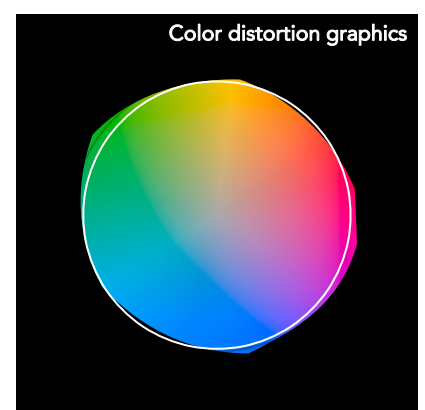
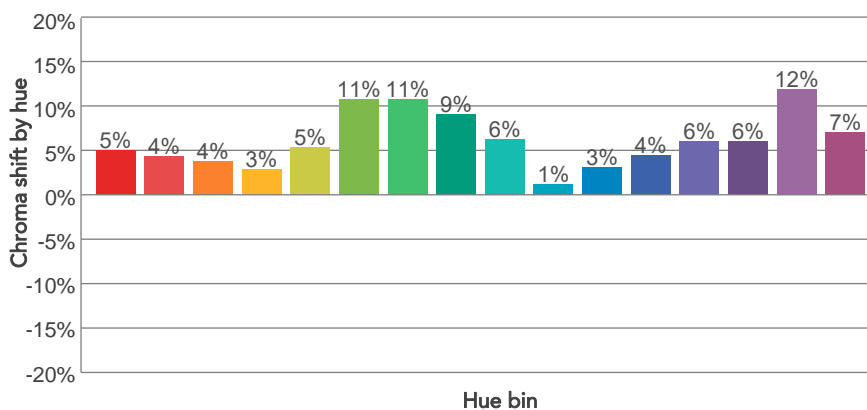
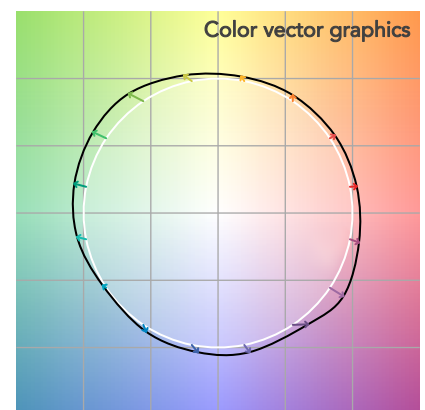
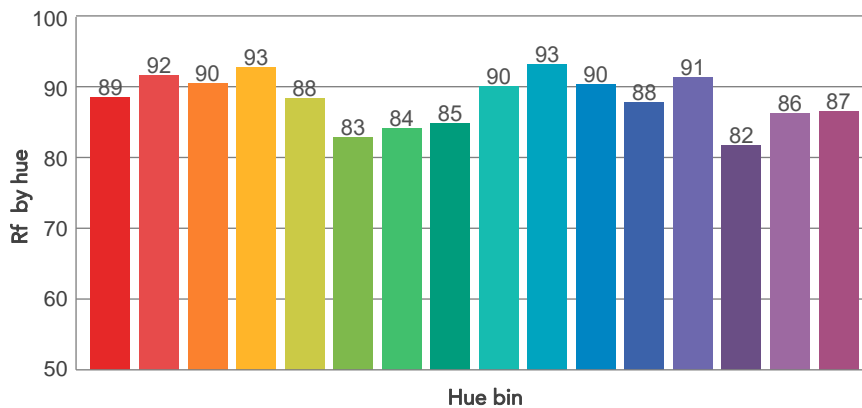
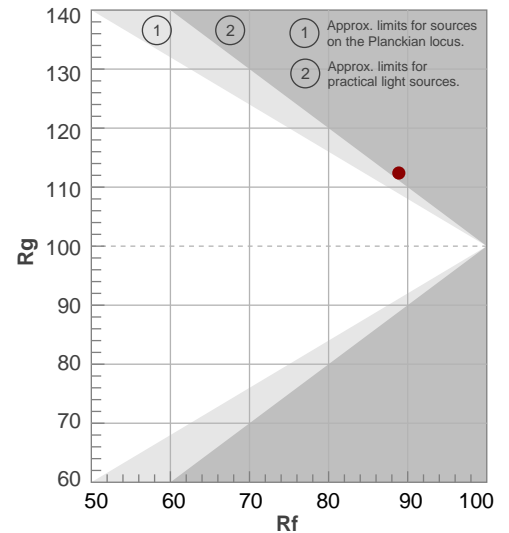
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4410 K	84,2	43,8	88,9	112,4	93,2	85	0,357	0,328	-0,0173

TM30 DETAILS

Rf 88,9
Fidelity index Rf

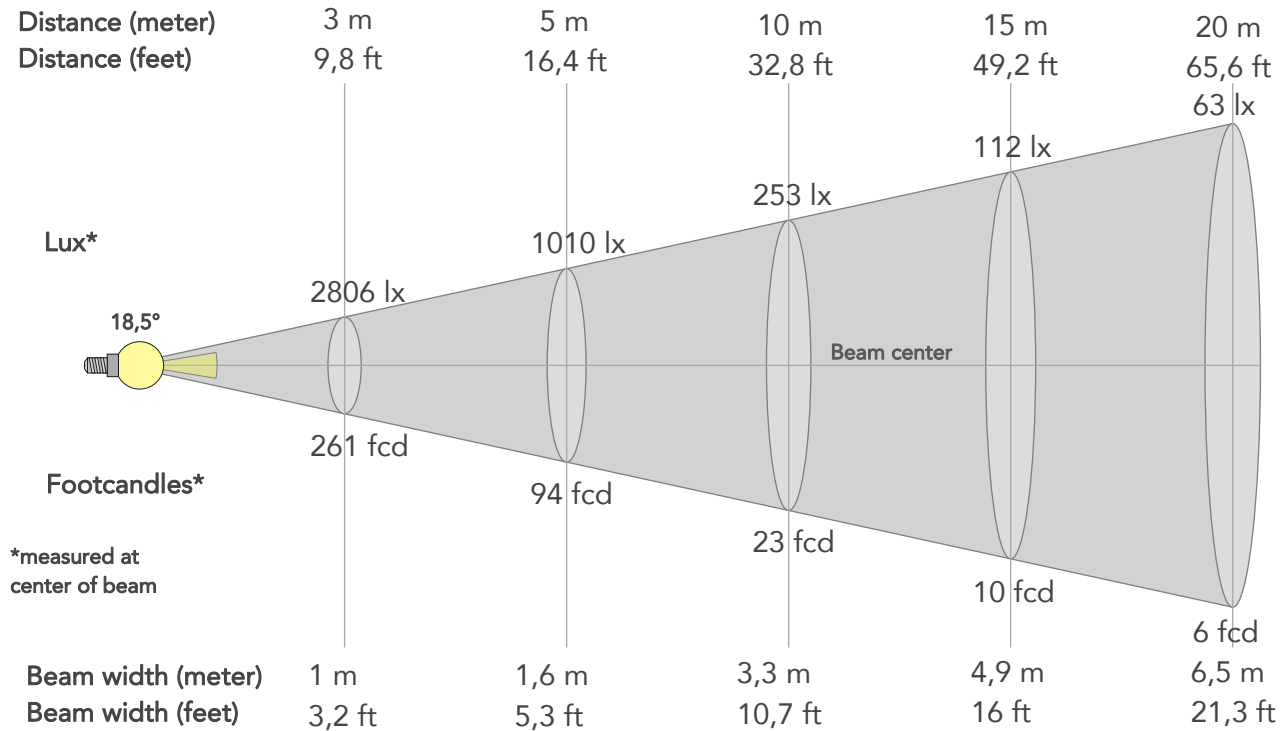
Rg 112,4
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	5%	-1%
2	92	4%	0%
3	90	4%	2%
4	93	3%	3%
5	88	5%	5%
6	83	11%	6%
7	84	11%	2%
8	85	9%	-1%
9	90	6%	-3%
10	93	1%	-3%
11	90	3%	4%
12	88	4%	5%
13	91	6%	3%
14	82	6%	10%
15	86	12%	0%
16	87	7%	-1%



BEAM DETAILS

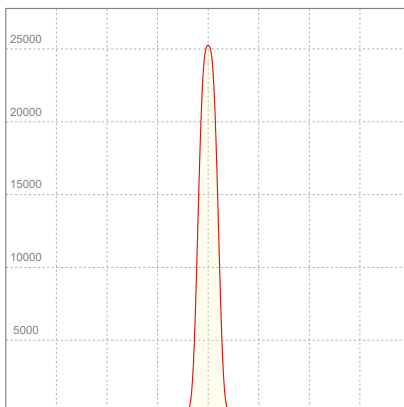
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,5°	27,5°	32,2°	99,1%	97,4%



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	25251lx	6313lx	2806lx	1578lx	1010lx	449lx	253lx	112lx	63lx	40lx	28lx	16lx	10lx
Footcand.	2346fcd	586fcd	261fcd	147fcd	94fcd	42fcd	23fcd	10fcd	6fcd	4fcd	3fcd	1fcd	1fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,6m	2,4m	3,3m	4,9m	6,5m	8,1m	9,8m	13m	16,3m
Beam wid.	1,1ft	2,1ft	3,2ft	4,3ft	5,3ft	8ft	10,7ft	16ft	21,3ft	26,7ft	32ft	42,7ft	53,3ft

LINEAR DISTRIBUTION DIAGRAM

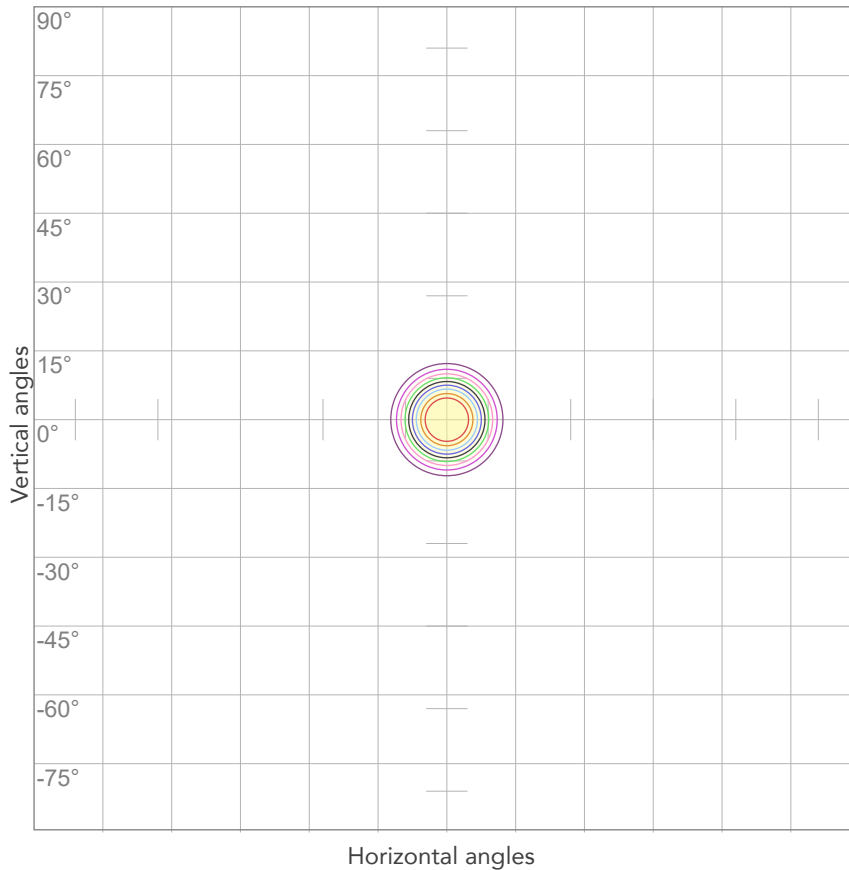


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,904A	200,8W	0,99	14lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



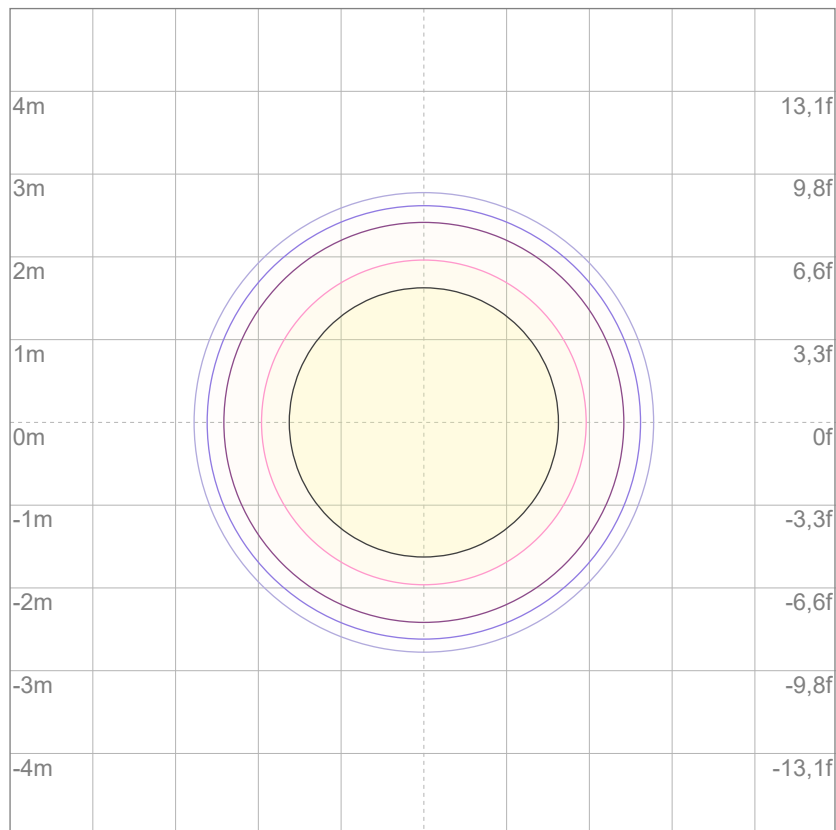
10%	2525 cd
20%	5050 cd
30%	7575 cd
40%	10100 cd
50%	12625 cd
60%	15151 cd
70%	17676 cd
80%	20201 cd

Conditions:

Number of c-planes: 2

Candela at center: 25251 cd

ISO LUX DIAGRAM



3%	7,58 lx
5%	12,6 lx
10%	25,3 lx
30%	75,8 lx
50%	126 lx

Conditions:

Number of c-planes: 2

Lux at center: 253 lx

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



Total lumen output:

807 lm

Peak candela output:

911 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

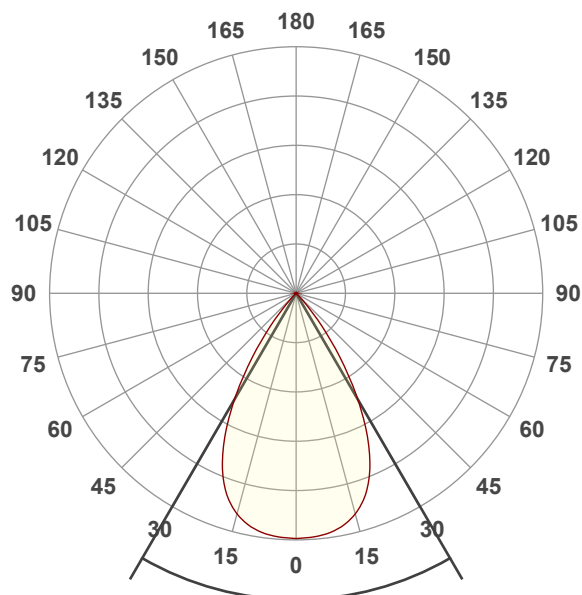
Red - HQ - RAW Mode

Operator:

Salvatore Giglio

Date and time:

31/05/2024 10:38:58

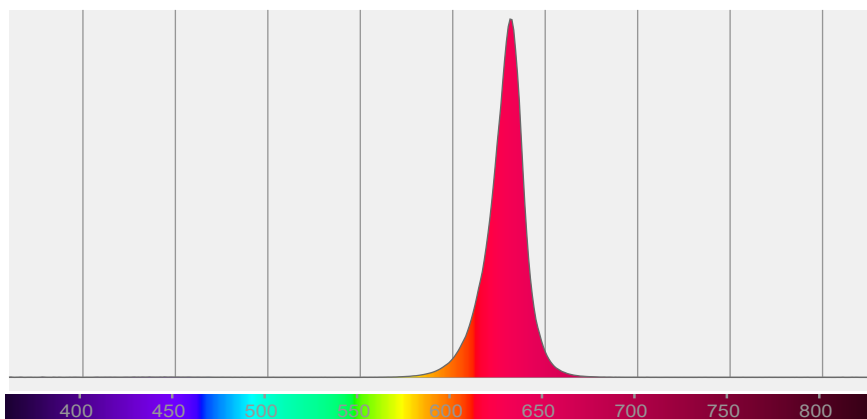


Beam angle 50%: 60,3°

Field angle 10%: 81°

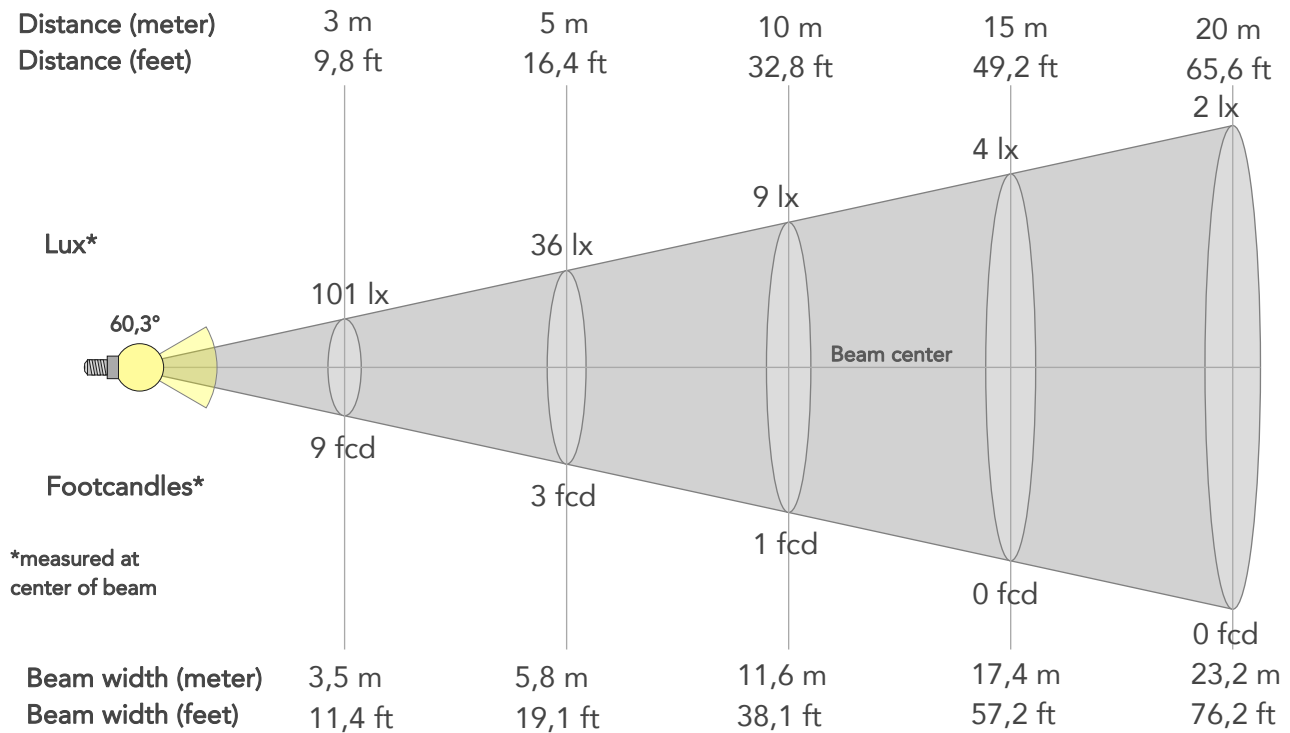
Cut off angle 2.5%: 88,9°

Spectra



BEAM DETAILS

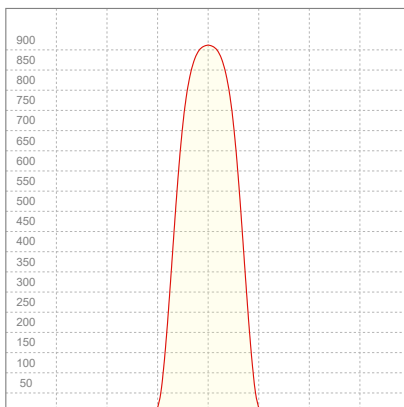
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
60,3°	81°	88,9°	99,1%	98,6%



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	911lx	228lx	101lx	57lx	36lx	16lx	9lx	4lx	2lx	1lx	1lx	1lx	0lx
Footcand.	85fcd	21fcd	9fcd	5fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,2m	2,3m	3,5m	4,6m	5,8m	8,7m	11,6m	17,4m	23,2m	29,1m	34,9m	46,5m	58,1m
Beam wid.	3,8ft	7,7ft	11,4ft	15,2ft	19,1ft	28,6ft	38,1ft	57,2ft	76,2ft	95,3ft	114,3ft	152,5ft	190,6ft

LINEAR DISTRIBUTION DIAGRAM

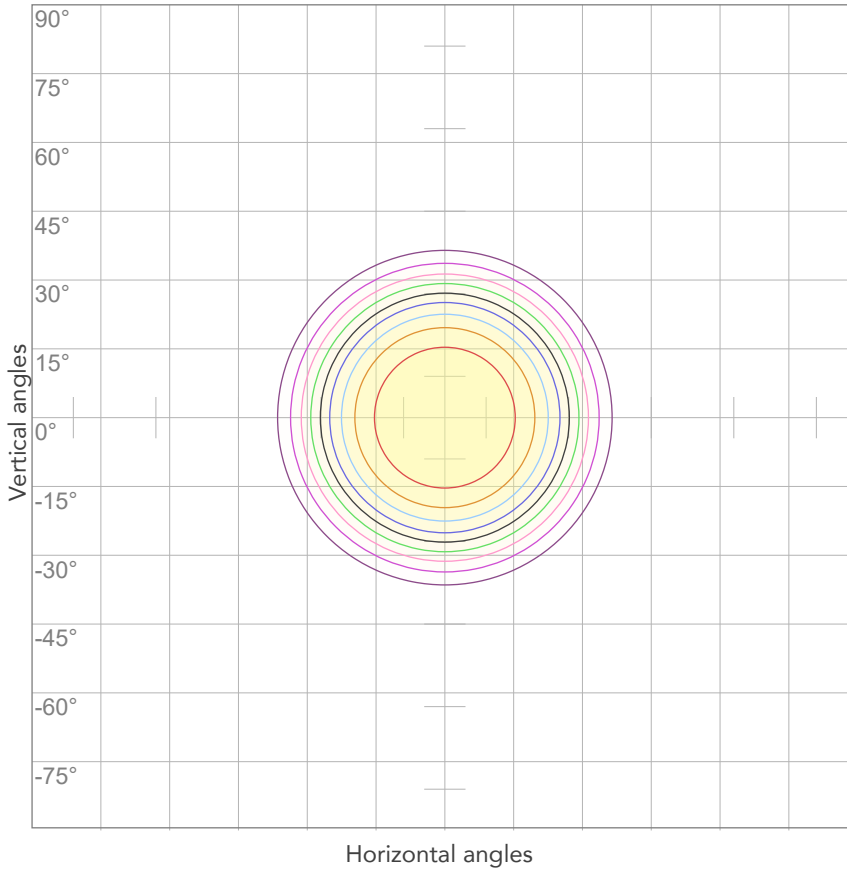


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,217A	42,2W	0,85	19lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



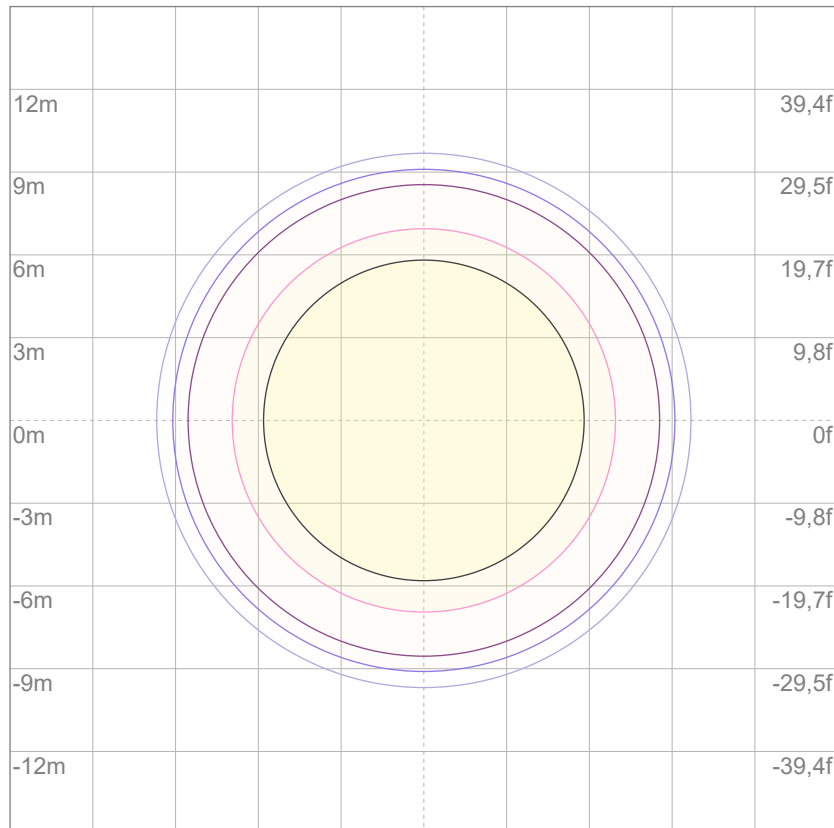
10%	91 cd
20%	182 cd
30%	273 cd
40%	365 cd
50%	456 cd
60%	547 cd
70%	638 cd
80%	729 cd

Conditions:

Number of c-planes: 2

Candela at center: 911 cd

ISO LUX DIAGRAM



3%	0,273 lx
5%	0,456 lx
10%	0,911 lx
30%	2,73 lx
50%	4,56 lx

Conditions:

Number of c-planes: 2

Lux at center: 9,11 lx

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



Total lumen output:

634 lm

Peak candela output:

1646 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

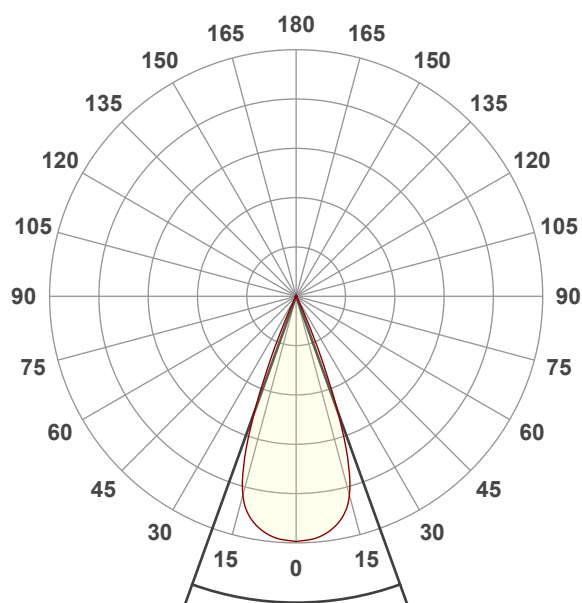
Red - HQ - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 17:57:35

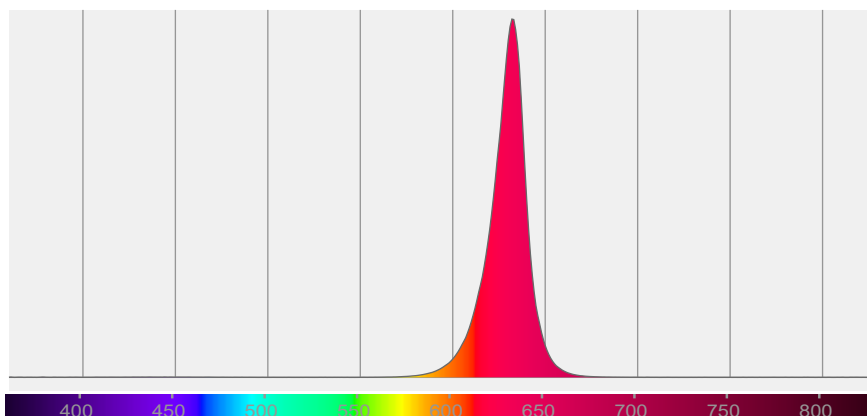


Beam angle 50%: 39,7°

Field angle 10%: 49,3°

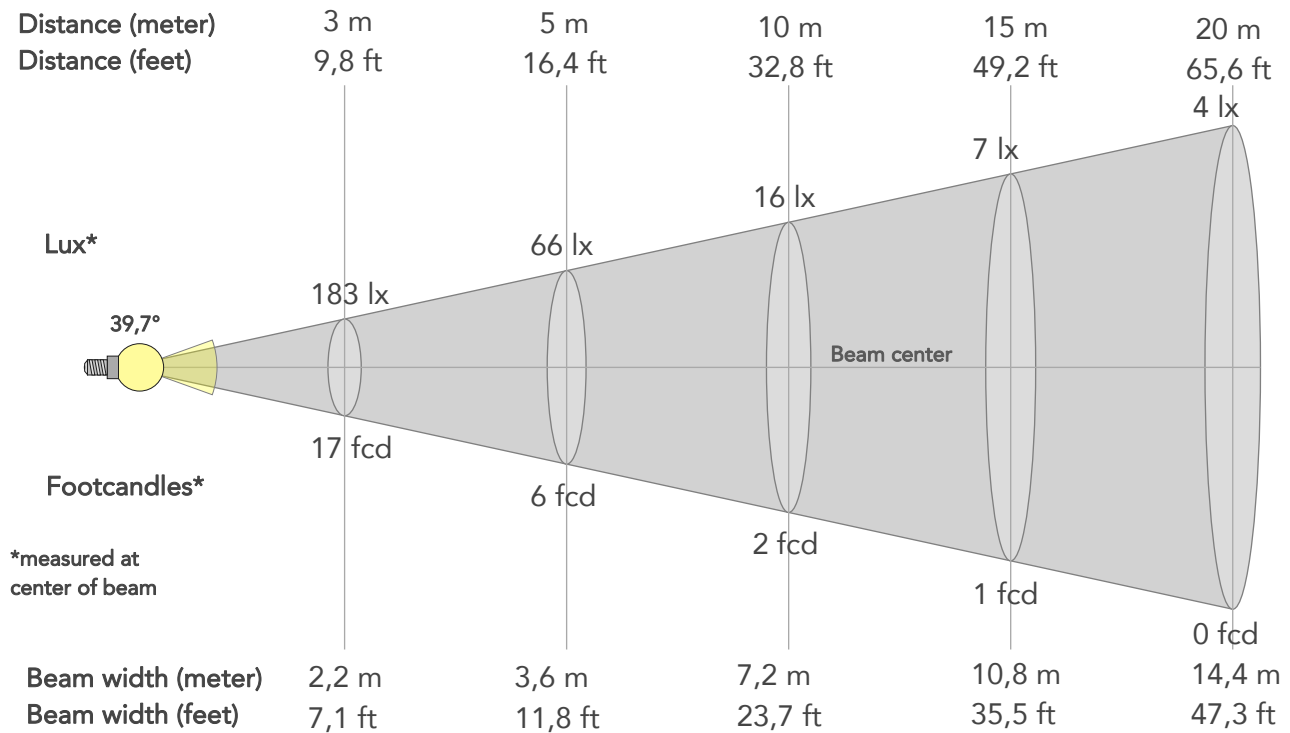
Cut off angle 2.5%: 54,5°

Spectra



BEAM DETAILS

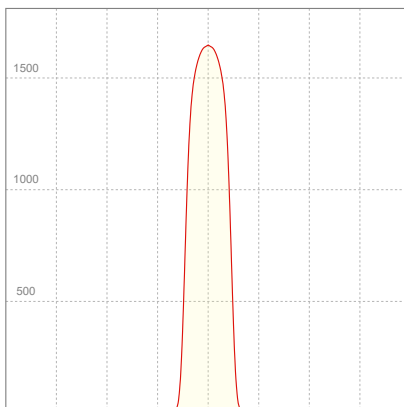
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,7°	49,3°	54,5°	98,5%	97,3%



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	1646lx	412lx	183lx	103lx	66lx	29lx	16lx	7lx	4lx	3lx	2lx	1lx	1lx
Footcand.	153fcd	38fcd	17fcd	10fcd	6fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,4m	2,2m	2,9m	3,6m	5,4m	7,2m	10,8m	14,4m	18m	21,6m	28,9m	36,1m
Beam wid.	2,4ft	4,8ft	7,1ft	9,5ft	11,8ft	17,7ft	23,7ft	35,5ft	47,3ft	59,2ft	71ft	94,7ft	118,3ft

LINEAR DISTRIBUTION DIAGRAM

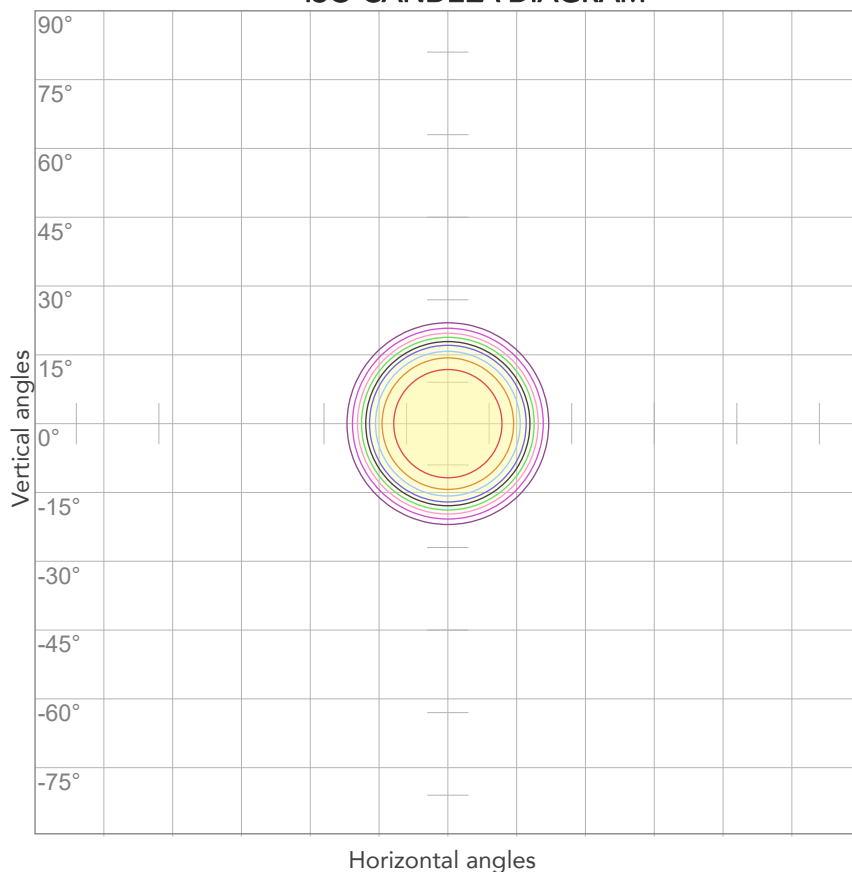


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,230A	44,6W	0,86	14lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



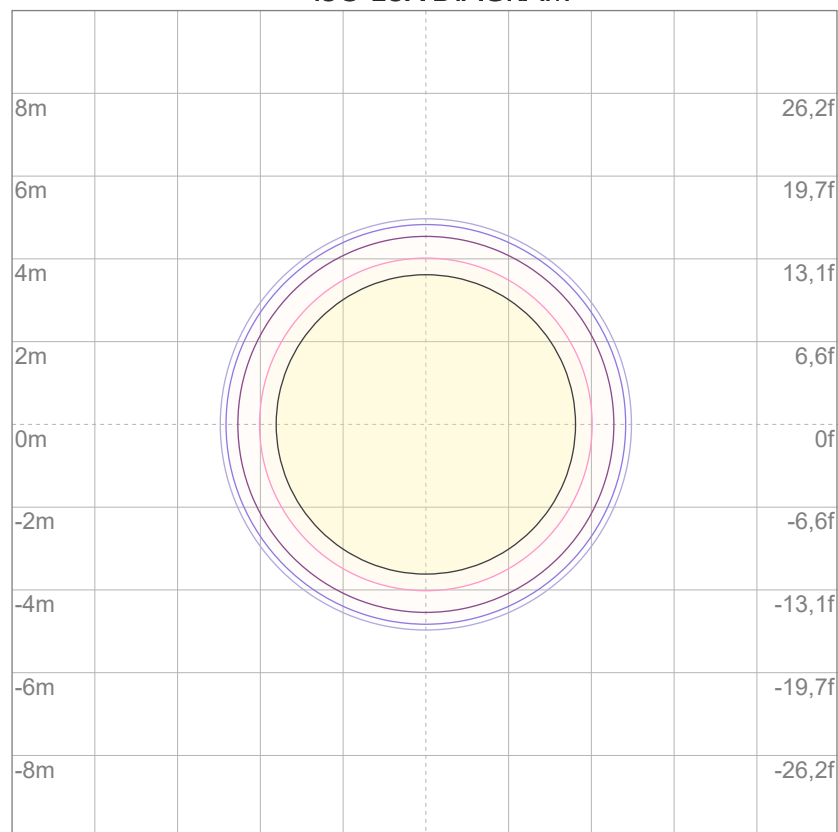
10%	165 cd
20%	329 cd
30%	494 cd
40%	659 cd
50%	823 cd
60%	988 cd
70%	1153 cd
80%	1317 cd

Conditions:

Number of c-planes: 2

Candela at center: 1646 cd

ISO LUX DIAGRAM



3%	0,494 lx
5%	0,823 lx
10%	1,65 lx
30%	4,94 lx
50%	8,23 lx

Conditions:

Number of c-planes: 2

Lux at center: 16,5 lx

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



Total lumen output:

442 lm

Peak candela output:

3874 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

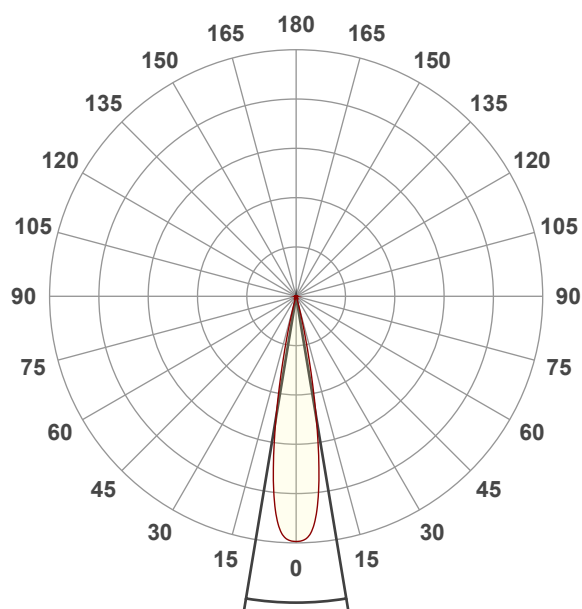
Red - HQ - RAW Mode

Operator:

Salvatore Giglio

Date and time:

31/05/2024 10:03:52

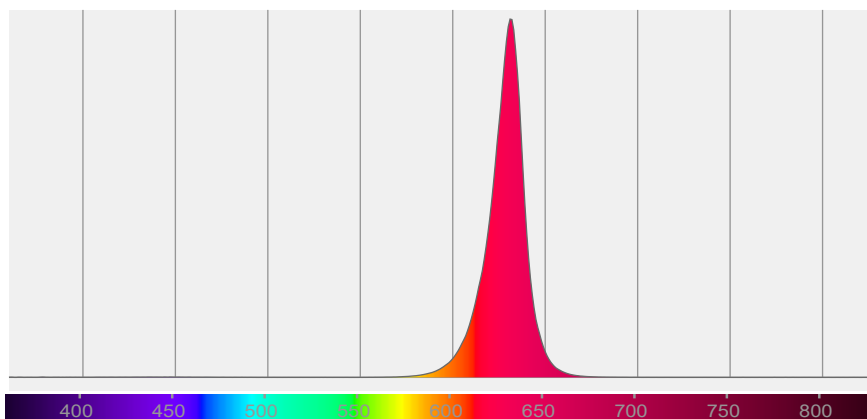


Beam angle 50%: 18,8°

Field angle 10%: 27,7°

Cut off angle 2.5%: 32,3°

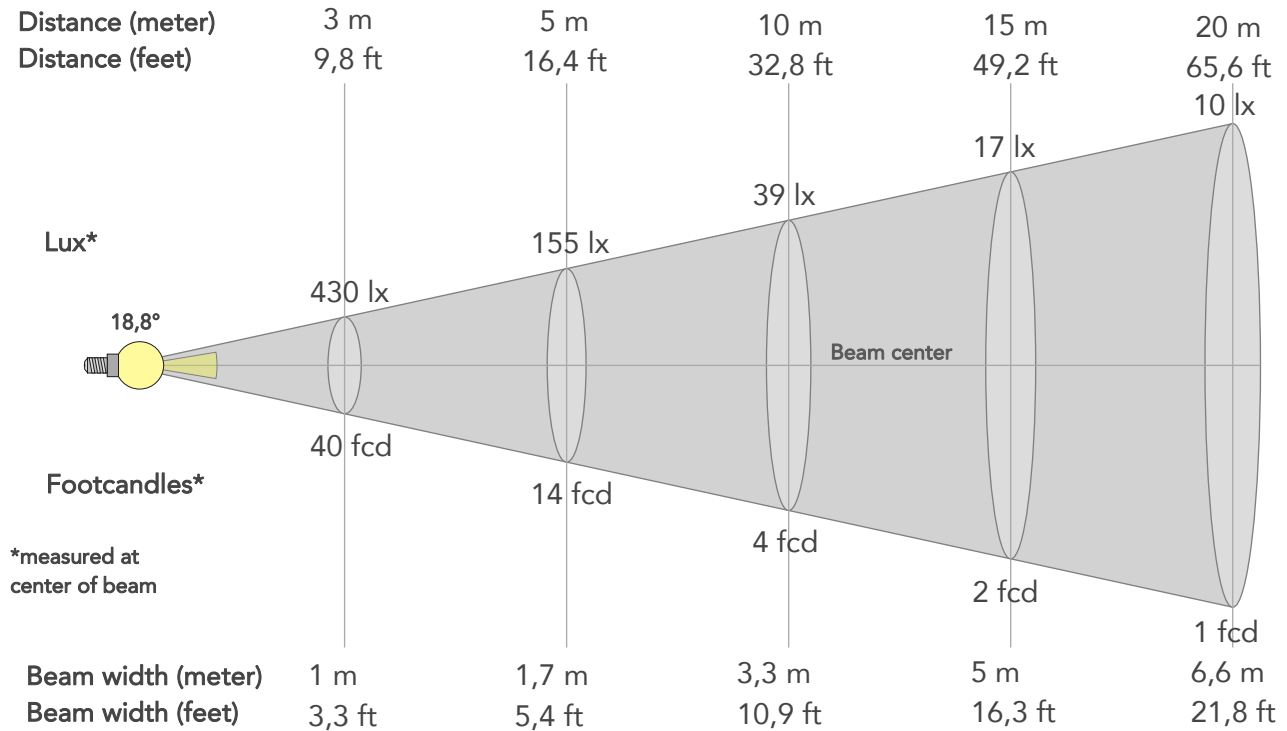
Spectra



BEAM DETAILS



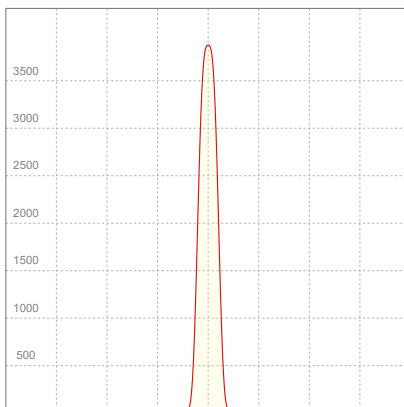
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,8°	27,7°	32,3°	98,7%	96,9%



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	3874lx	968lx	430lx	242lx	155lx	69lx	39lx	17lx	10lx	6lx	4lx	2lx	2lx
Footcand.	360fcd	90fcd	40fcd	22fcd	14fcd	6fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,7m	2,5m	3,3m	5m	6,6m	8,3m	10m	13,3m	16,6m
Beam wid.	1,1ft	2,2ft	3,3ft	4,3ft	5,4ft	8,2ft	10,9ft	16,3ft	21,8ft	27,2ft	32,7ft	43,5ft	54,4ft

LINEAR DISTRIBUTION DIAGRAM

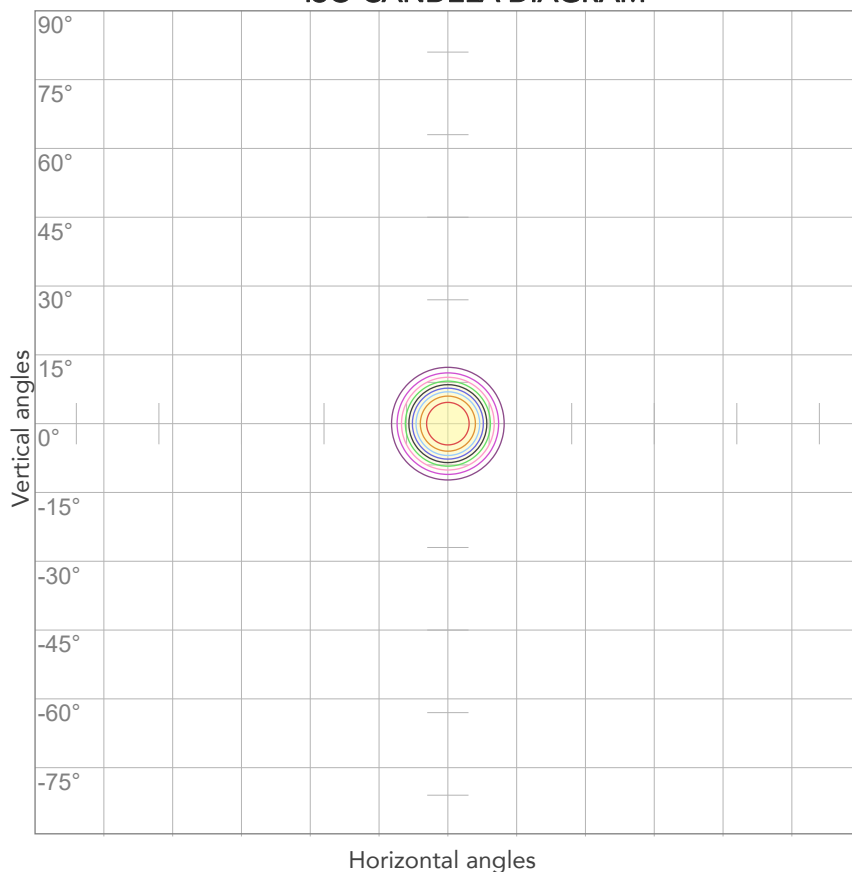


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,218A	42,1W	0,86	11lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



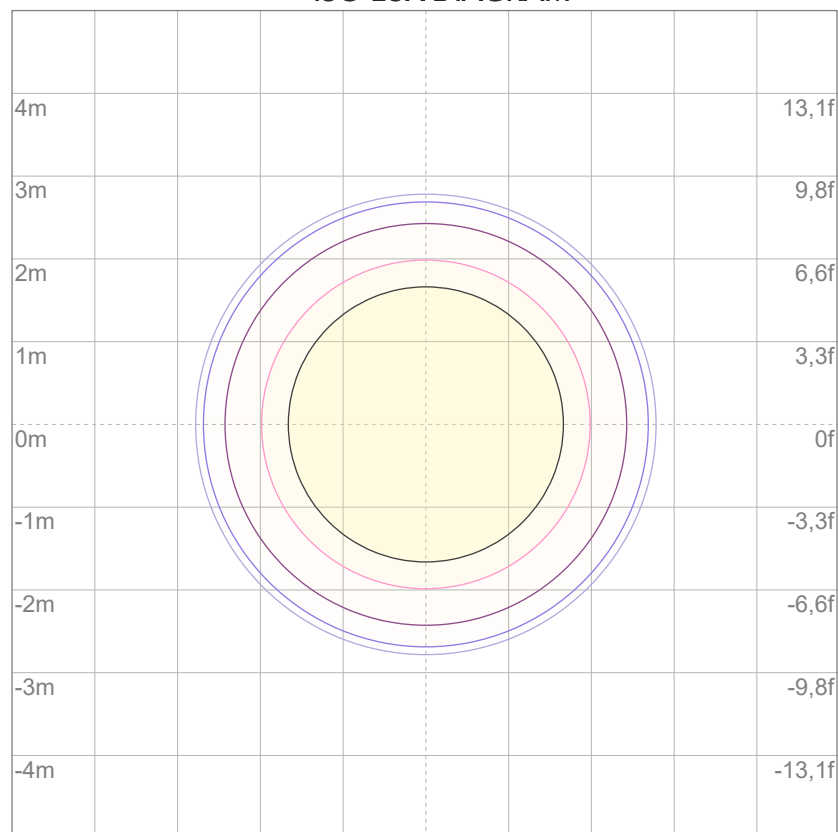
10%	387 cd
20%	775 cd
30%	1162 cd
40%	1550 cd
50%	1937 cd
60%	2324 cd
70%	2712 cd
80%	3099 cd

Conditions:

Number of c-planes: 2

Candela at center: 3874 cd

ISO LUX DIAGRAM



3%	1,16 lx
5%	1,94 lx
10%	3,87 lx
30%	11,6 lx
50%	19,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 38,7 lx

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



Total lumen output:

1283 lm

Peak candela output:

1379 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

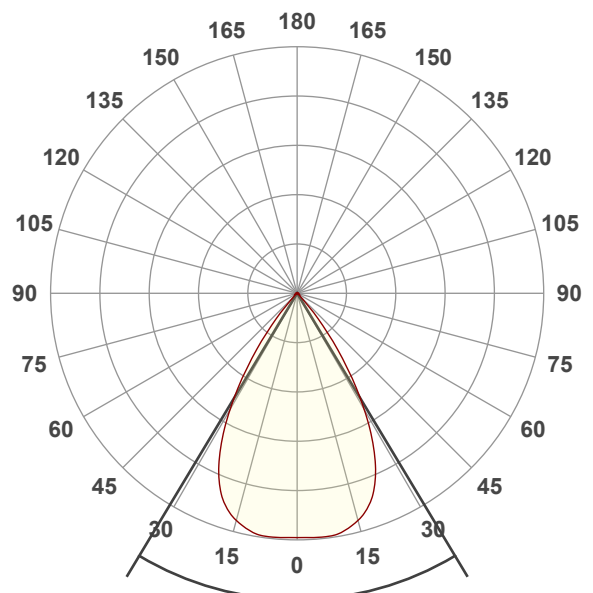
Green - HQ - RAW Mode

Operator:

Salvatore Giglio

Date and time:

31/05/2024 10:40:37

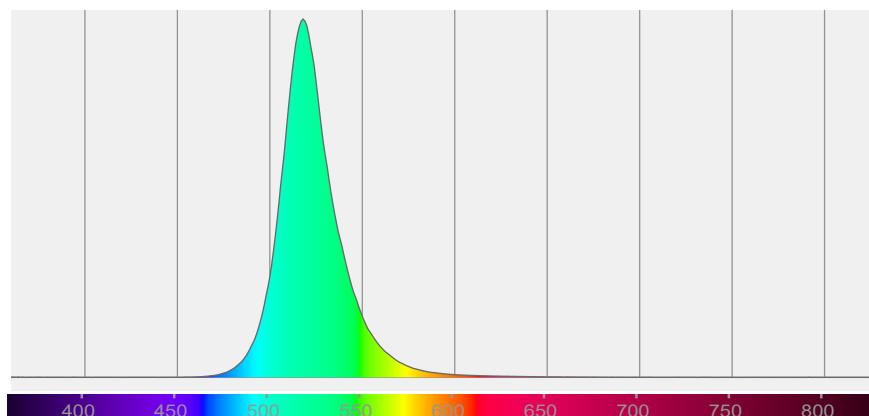


Beam angle 50%: 62°

Field angle 10%: 81,6°

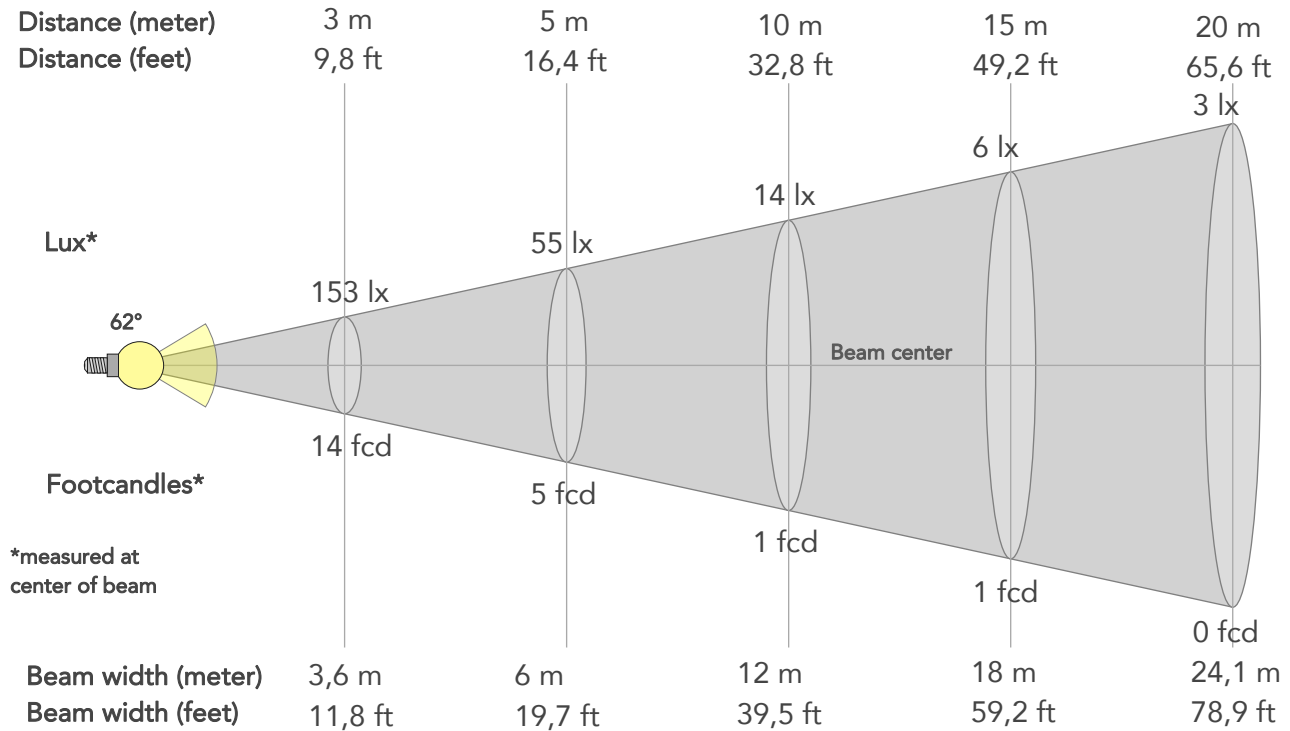
Cut off angle 2.5%: 88,7°

Spectra



BEAM DETAILS

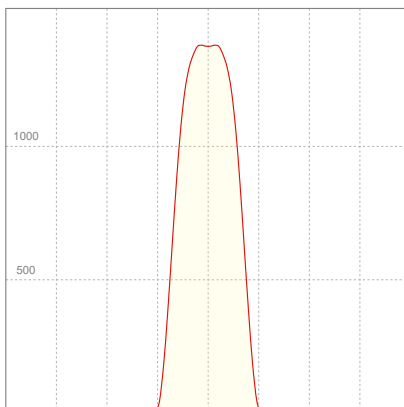
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
62°	81,6°	88,7°	99,3%	98,9%



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	1375lx	344lx	153lx	86lx	55lx	24lx	14lx	6lx	3lx	2lx	2lx	1lx	1lx
Footcand.	128fcd	32fcd	14fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,2m	2,4m	3,6m	4,8m	6m	9m	12m	18m	24,1m	30,1m	36,1m	48,1m	60,1m
Beam wid.	4ft	7,9ft	11,8ft	15,8ft	19,7ft	29,6ft	39,5ft	59,2ft	78,9ft	98,6ft	118,4ft	157,8ft	197,3ft

LINEAR DISTRIBUTION DIAGRAM

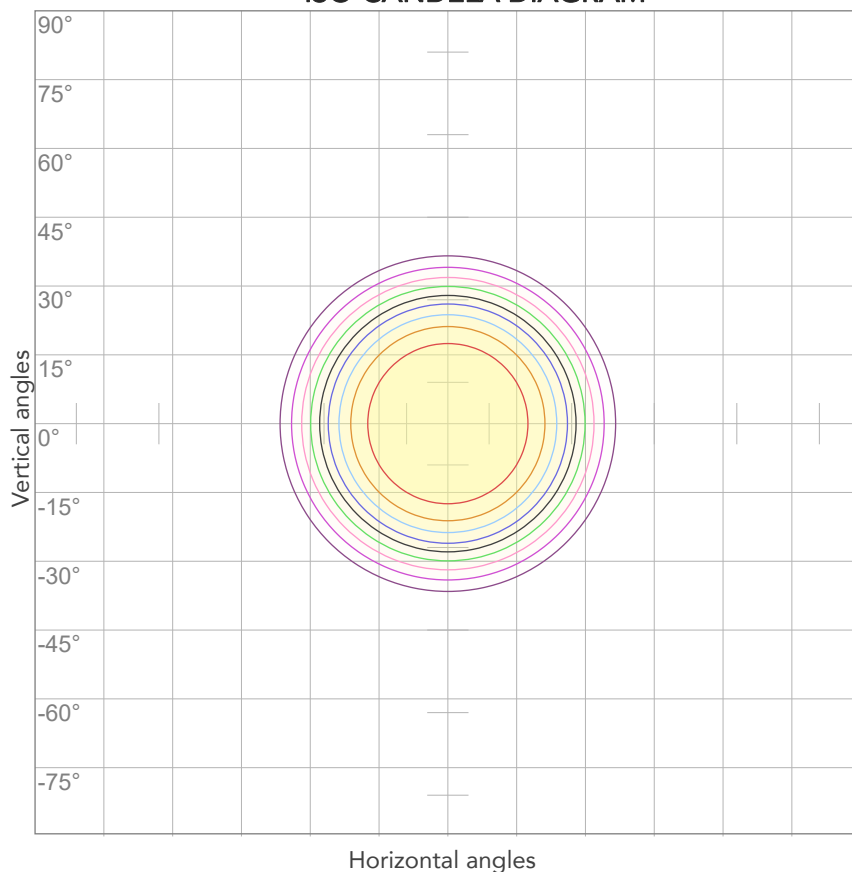


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,225A	44,2W	0,86	29lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



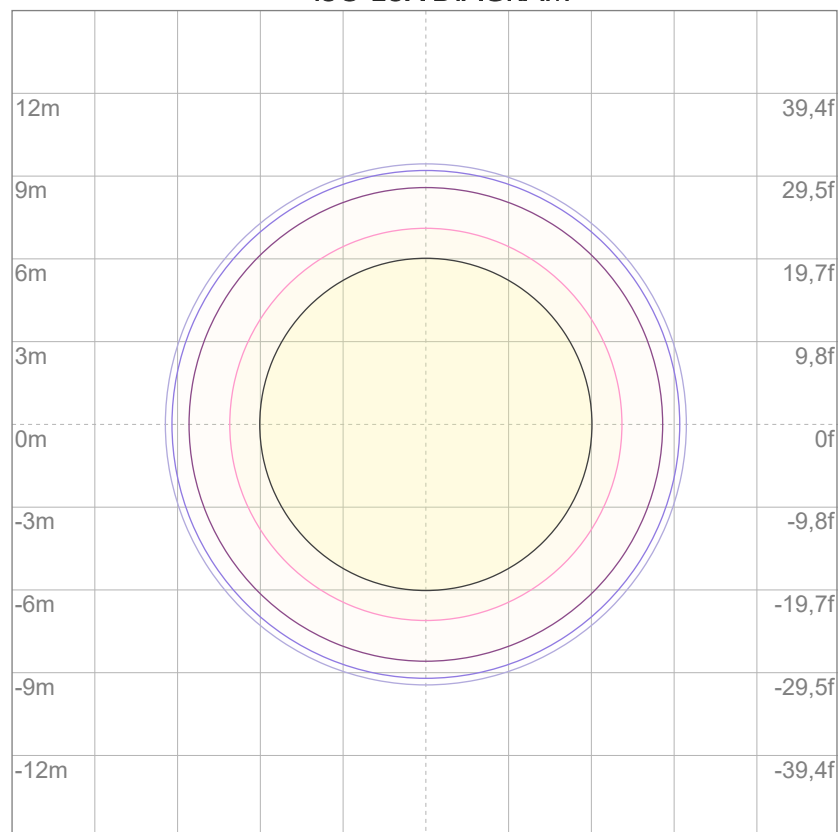
10%	138 cd
20%	275 cd
30%	413 cd
40%	550 cd
50%	688 cd
60%	825 cd
70%	963 cd
80%	1100 cd

Conditions:

Number of c-planes: 2

Candela at center: 1375 cd

ISO LUX DIAGRAM



3%	0,413 lx
5%	0,688 lx
10%	1,38 lx
30%	4,13 lx
50%	6,88 lx

Conditions:

Number of c-planes: 2

Lux at center: 13,8 lx

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



Total lumen output:

970 lm

Peak candela output:

2472 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

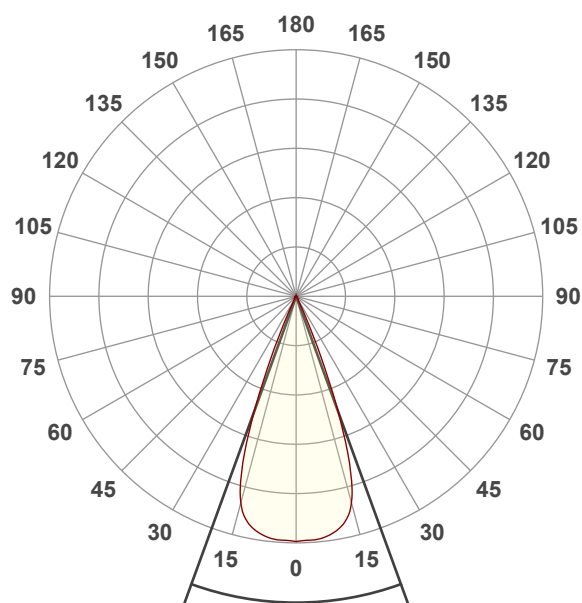
Green - HQ - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 17:59:17

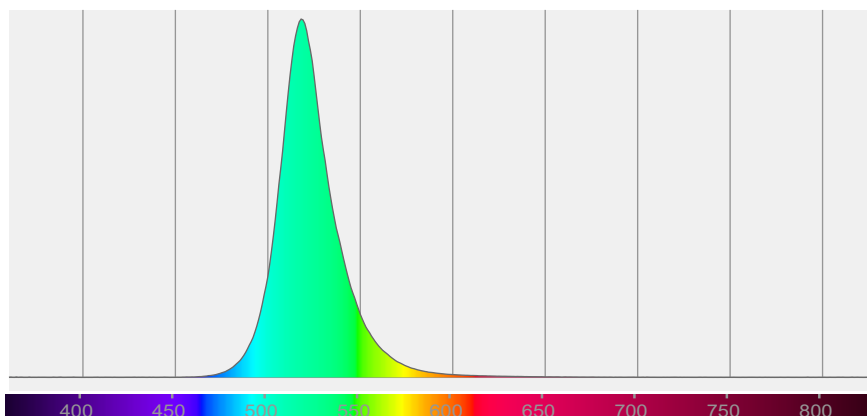


Beam angle 50%: 40°

Field angle 10%: 49,3°

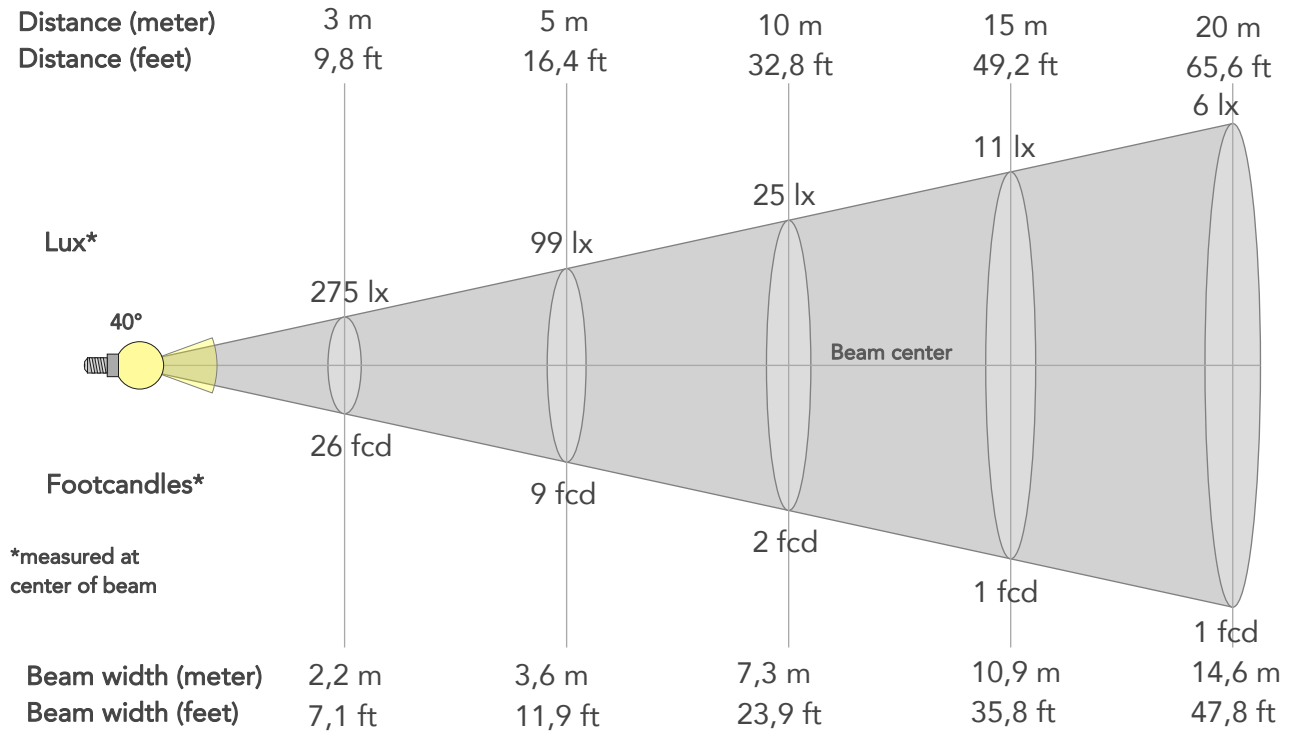
Cut off angle 2.5%: 54,5°

Spectra



BEAM DETAILS

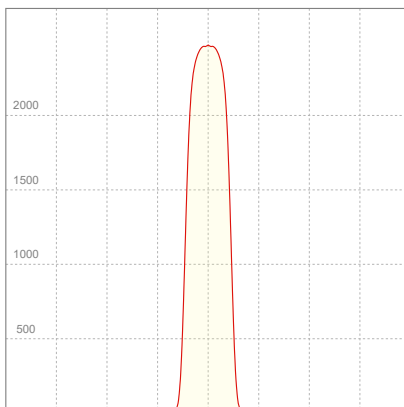
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40°	49,3°	54,5°	99,1%	98,0%



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	2472lx	618lx	275lx	154lx	99lx	44lx	25lx	11lx	6lx	4lx	3lx	2lx	1lx
Footcand.	230fcd	57fcd	26fcd	14fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	2,9m	3,6m	5,5m	7,3m	10,9m	14,6m	18,2m	21,8m	29,1m	36,4m
Beam wid.	2,4ft	4,8ft	7,1ft	9,5ft	11,9ft	17,9ft	23,9ft	35,8ft	47,8ft	59,7ft	71,6ft	95,5ft	119,4ft

LINEAR DISTRIBUTION DIAGRAM

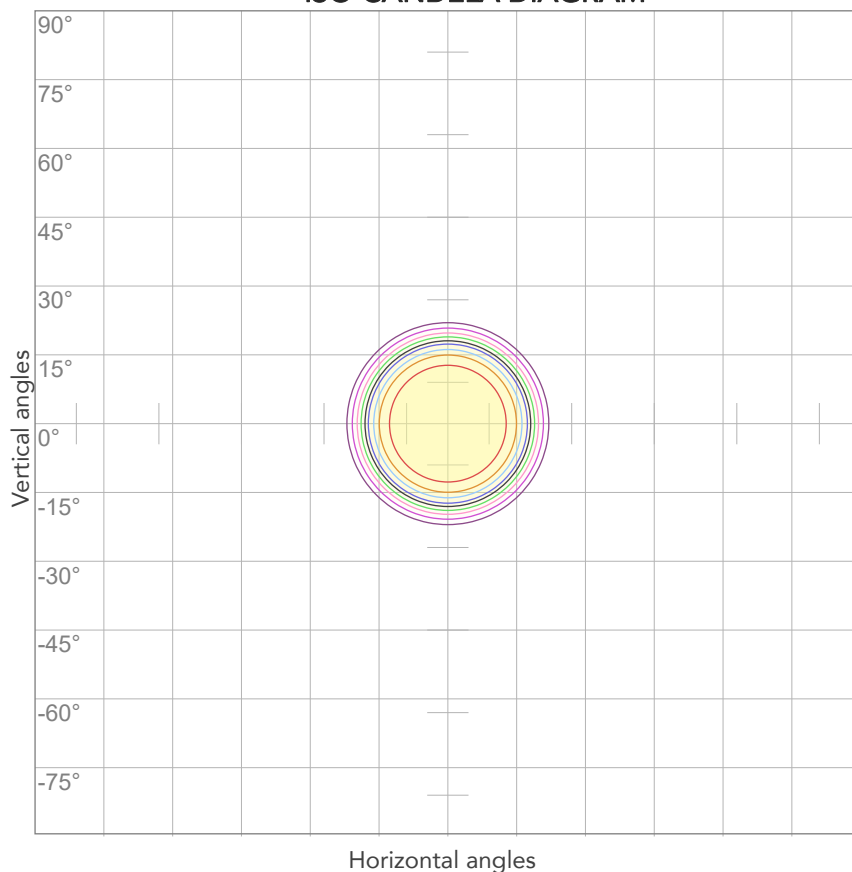


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,227A	43,9W	0,85	22lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



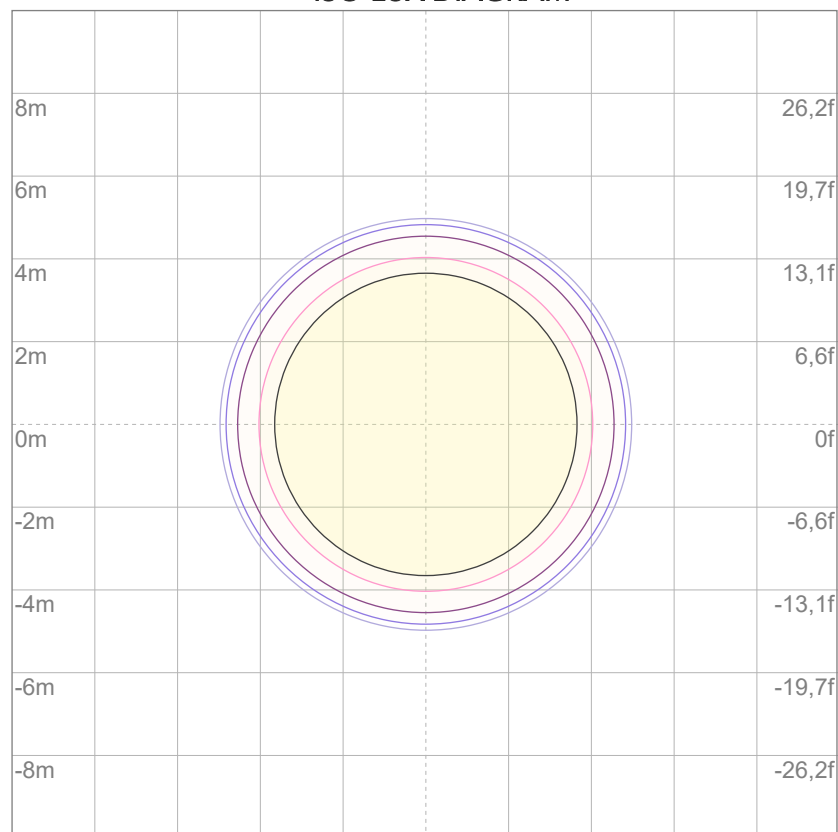
10%	247 cd
20%	494 cd
30%	742 cd
40%	989 cd
50%	1236 cd
60%	1483 cd
70%	1730 cd
80%	1977 cd

Conditions:

Number of c-planes: 2

Candela at center: 2472 cd

ISO LUX DIAGRAM



3%	0,742 lx
5%	1,24 lx
10%	2,47 lx
30%	7,42 lx
50%	12,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 24,7 lx

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



Total lumen output:

683 lm

Peak candela output:

6049 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

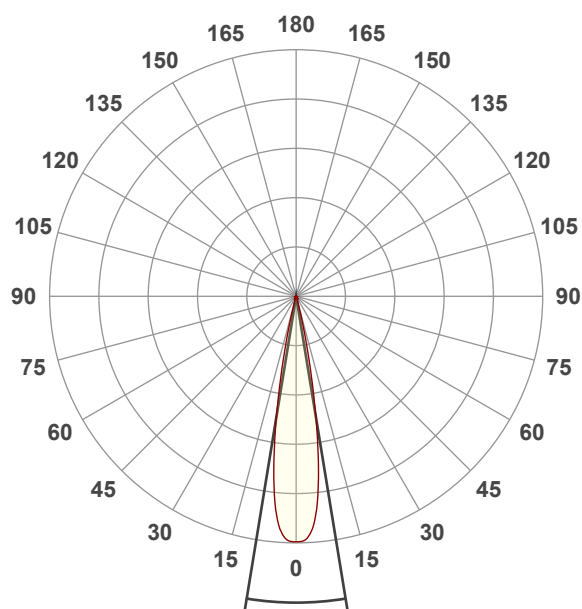
Green - HQ - RAW Mode

Operator:

Salvatore Giglio

Date and time:

31/05/2024 09:57:29

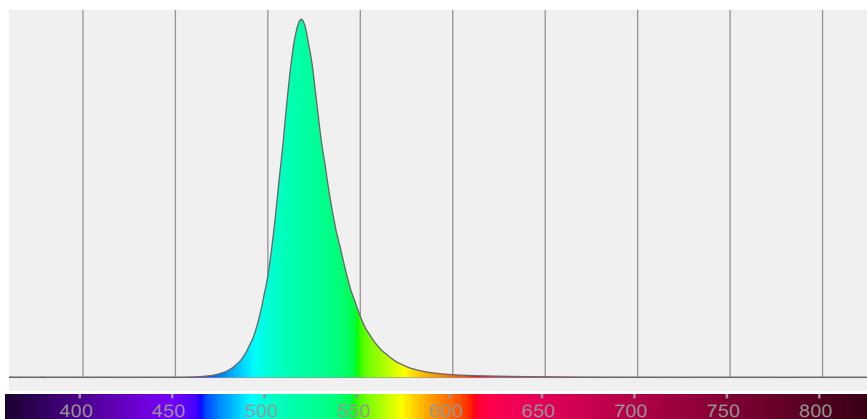


Beam angle 50%: 18,6°

Field angle 10%: 27,6°

Cut off angle 2.5%: 32,3°

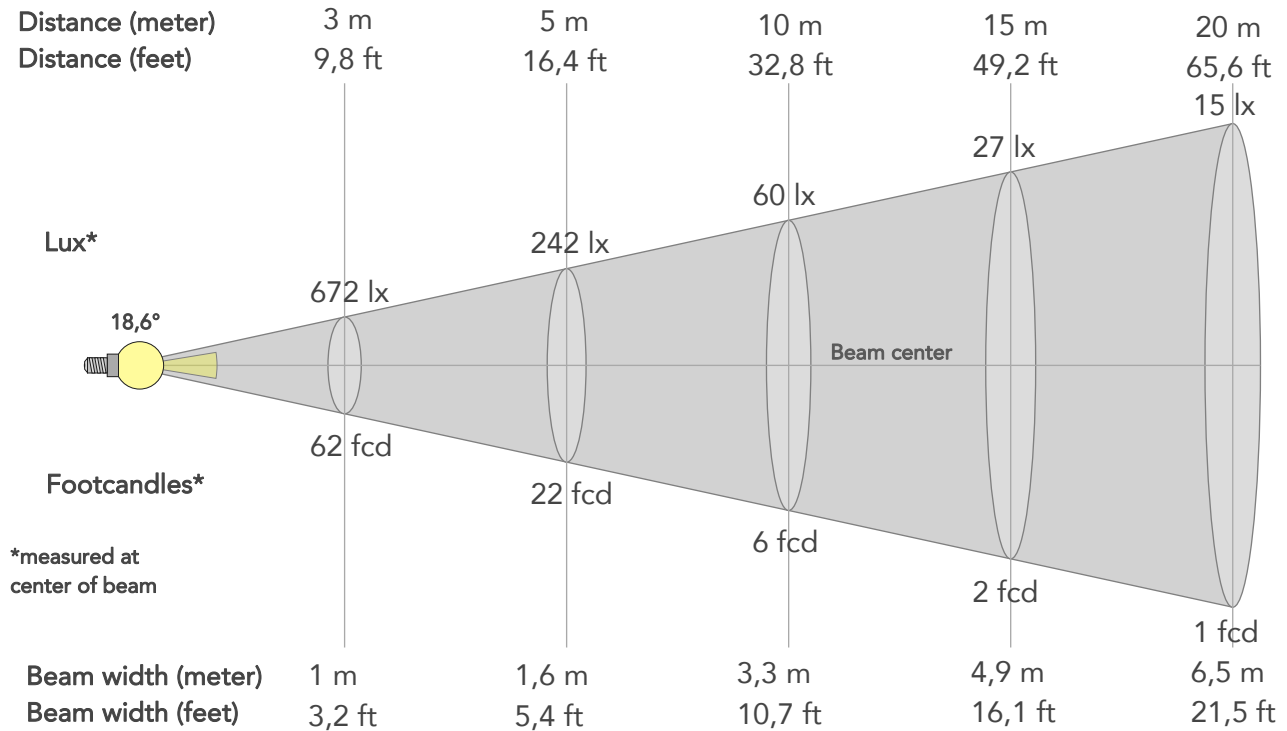
Spectra



BEAM DETAILS



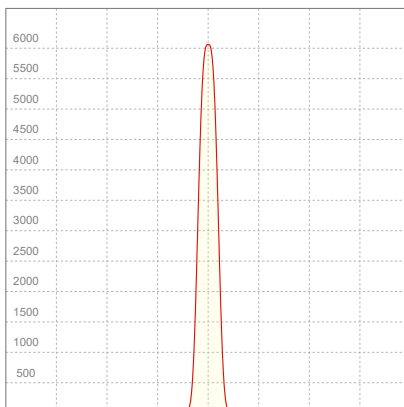
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,6°	27,6°	32,3°	98,7%	96,7%



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	6049lx	1512lx	672lx	378lx	242lx	108lx	60lx	27lx	15lx	10lx	7lx	4lx	2lx
Footcand.	562fcd	141fcd	62fcd	35fcd	22fcd	10fcd	6fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,6m	2,5m	3,3m	4,9m	6,5m	8,2m	9,8m	13,1m	16,4m
Beam wid.	1,1ft	2,2ft	3,2ft	4,3ft	5,4ft	8ft	10,7ft	16,1ft	21,5ft	26,8ft	32,2ft	42,9ft	53,7ft

LINEAR DISTRIBUTION DIAGRAM

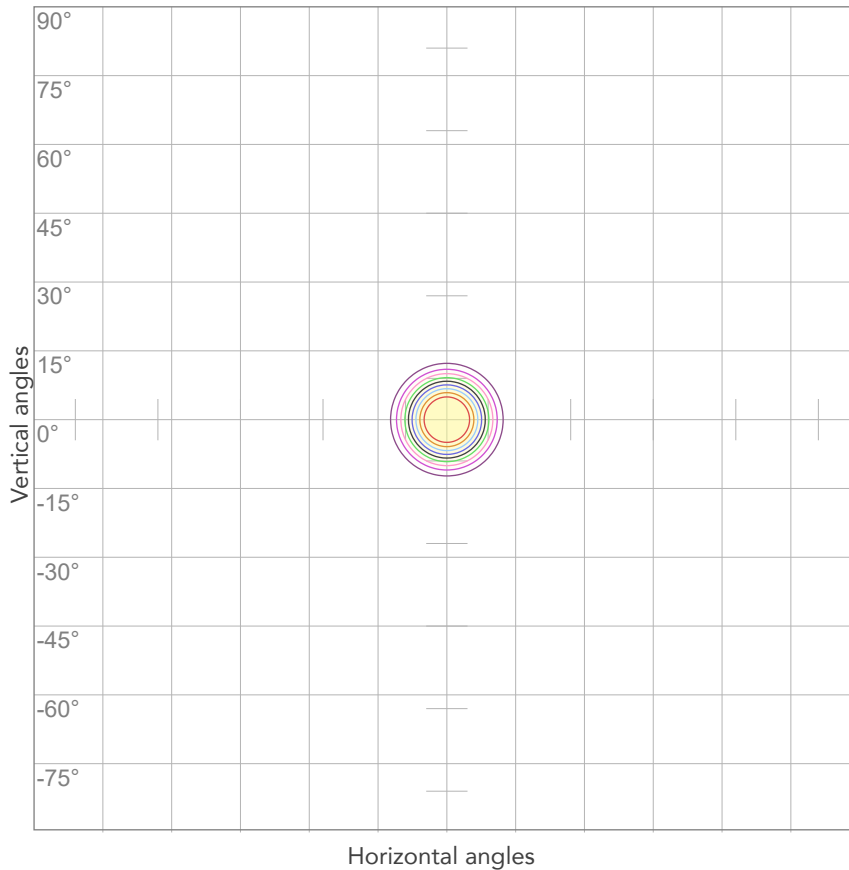


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,224A	44,2W	0,86	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



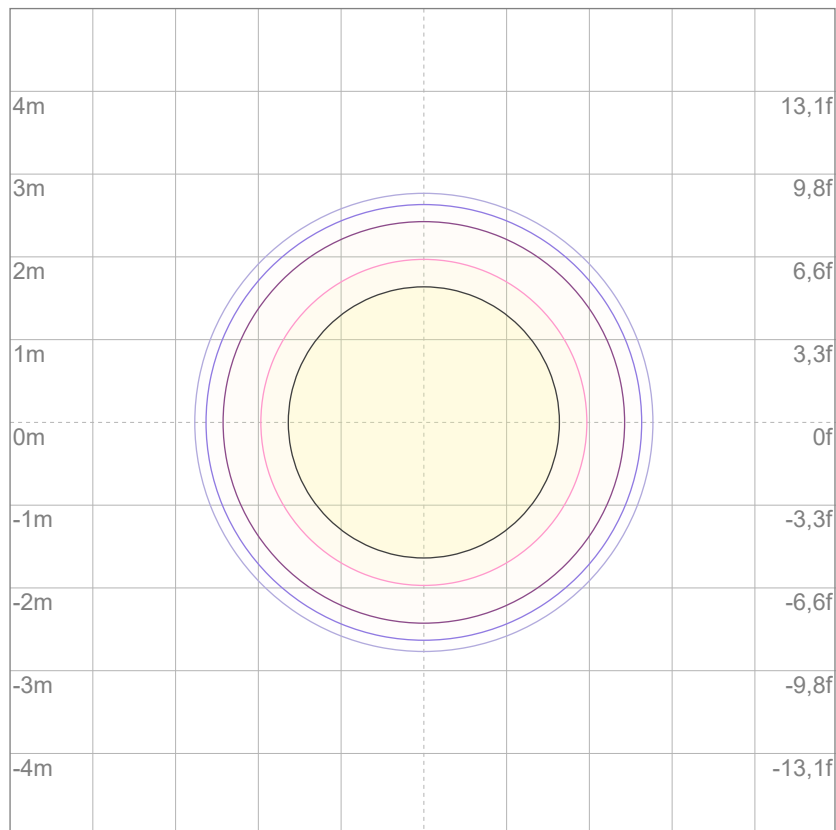
10%	605 cd
20%	1210 cd
30%	1815 cd
40%	2420 cd
50%	3025 cd
60%	3630 cd
70%	4235 cd
80%	4840 cd

Conditions:

Number of c-planes: 2

Candela at center: 6049 cd

ISO LUX DIAGRAM



3%	1,81 lx
5%	3,02 lx
10%	6,05 lx
30%	18,1 lx
50%	30,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 60,5 lx

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



Total lumen output:

215 lm

Peak candela output:

229 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

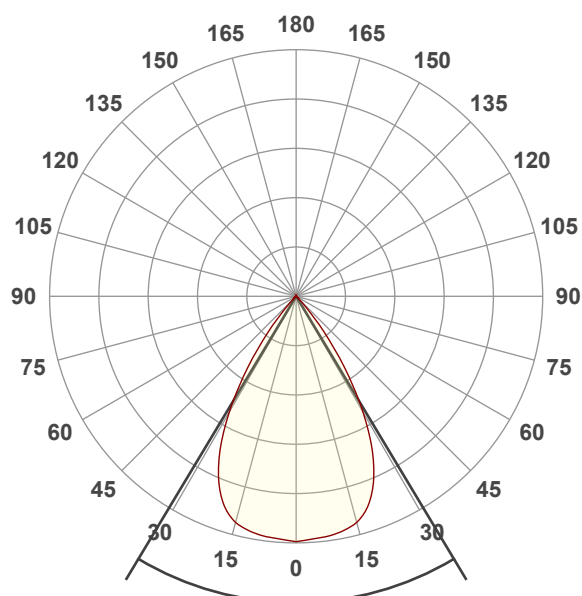
Blue - HQ - RAW Mode

Operator:

Salvatore Giglio

Date and time:

31/05/2024 10:42:05

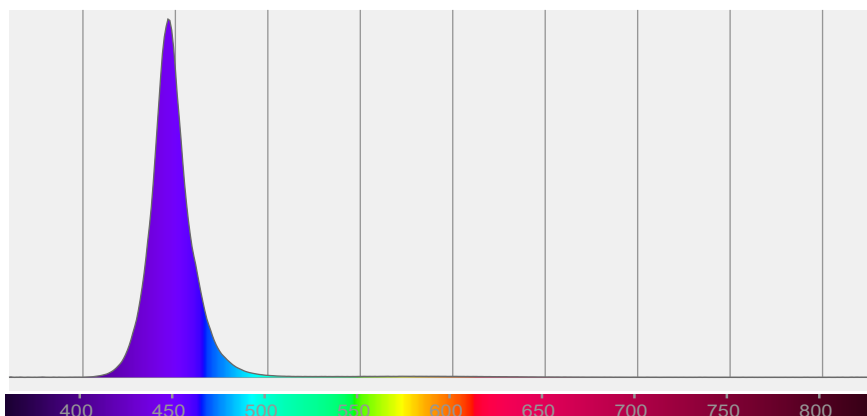


Beam angle 50%: 62°

Field angle 10%: 81,4°

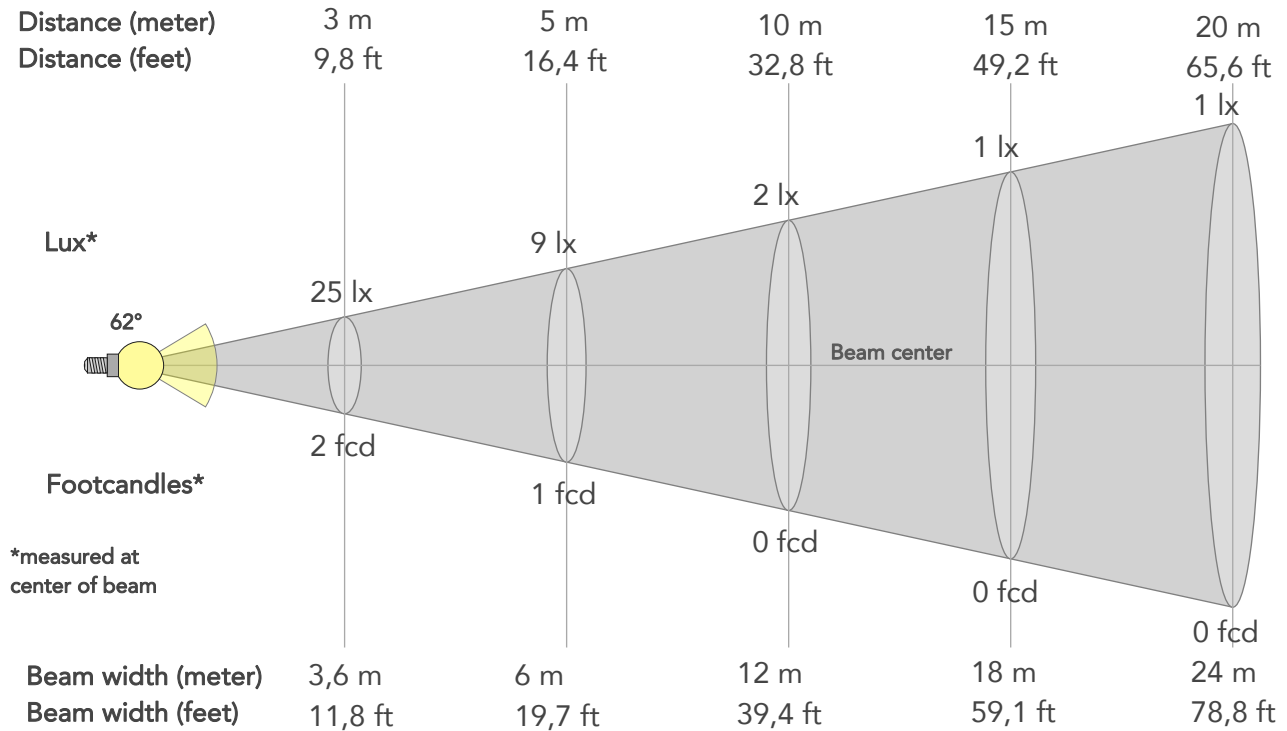
Cut off angle 2.5%: 89,1°

Spectra



BEAM DETAILS

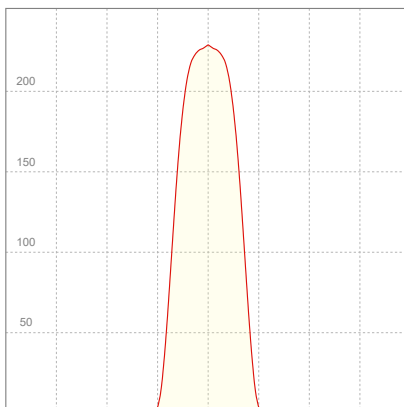
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
62°	81,4°	89,1°	98,0%	97,3%



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	229lx	57lx	25lx	14lx	9lx	4lx	2lx	1lx	1lx	0lx	0lx	0lx	0lx
Footcand.	21fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,2m	2,4m	3,6m	4,8m	6m	9m	12m	18m	24m	30m	36m	48,1m	60,1m
Beam wid.	4ft	7,9ft	11,8ft	15,7ft	19,7ft	29,6ft	39,4ft	59,1ft	78,8ft	98,5ft	118,2ft	157,6ft	197ft

LINEAR DISTRIBUTION DIAGRAM

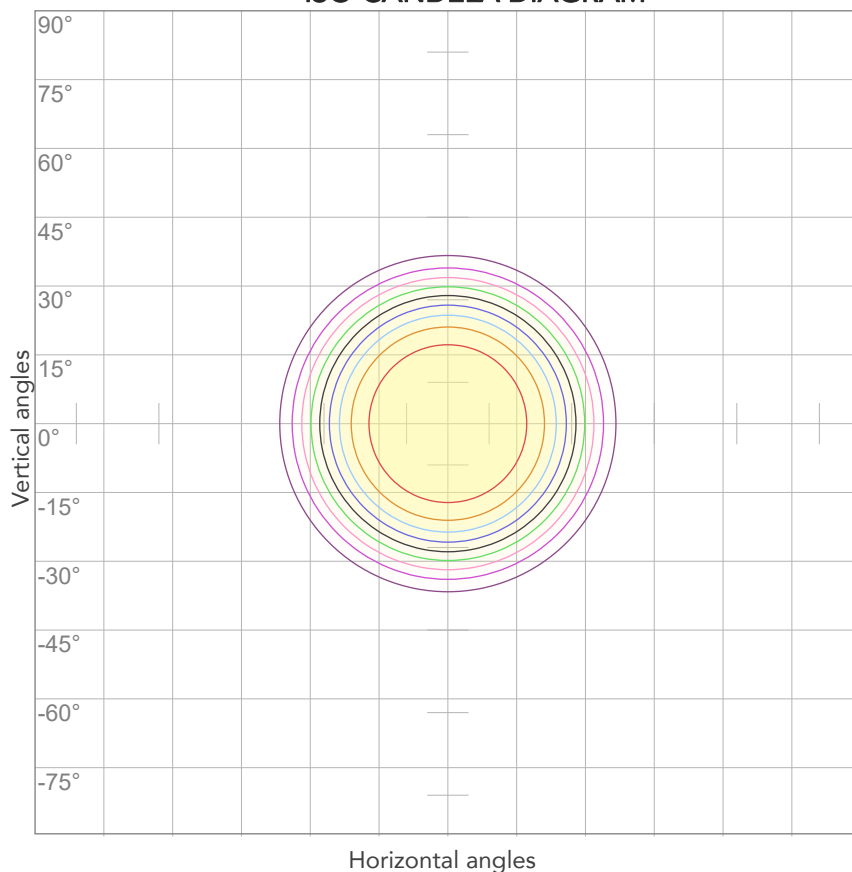


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
229V	0,226A	44,6W	0,86	5lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



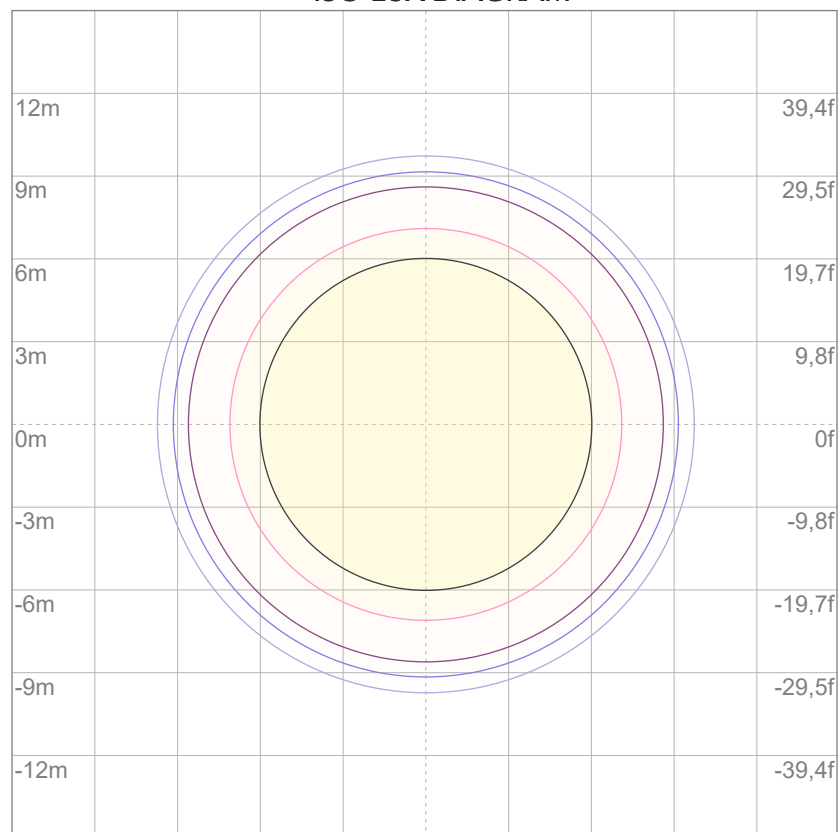
10%	23 cd
20%	46 cd
30%	69 cd
40%	91 cd
50%	114 cd
60%	137 cd
70%	160 cd
80%	183 cd

Conditions:

Number of c-planes: 2

Candela at center: 229 cd

ISO LUX DIAGRAM



3%	68,6m lx
5%	0,114 lx
10%	0,229 lx
30%	0,686 lx
50%	1,14 lx

Conditions:

Number of c-planes: 2

Lux at center: 2,29 lx

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



Total lumen output:

165 lm

Peak candela output:

414 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

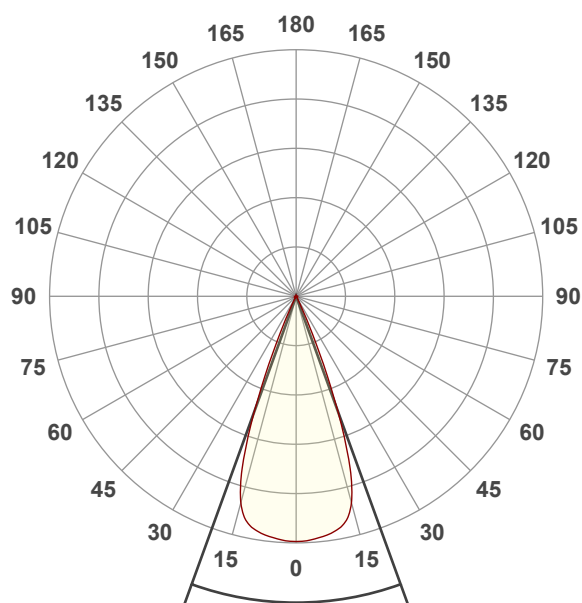
Blue - HQ - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 18:00:38

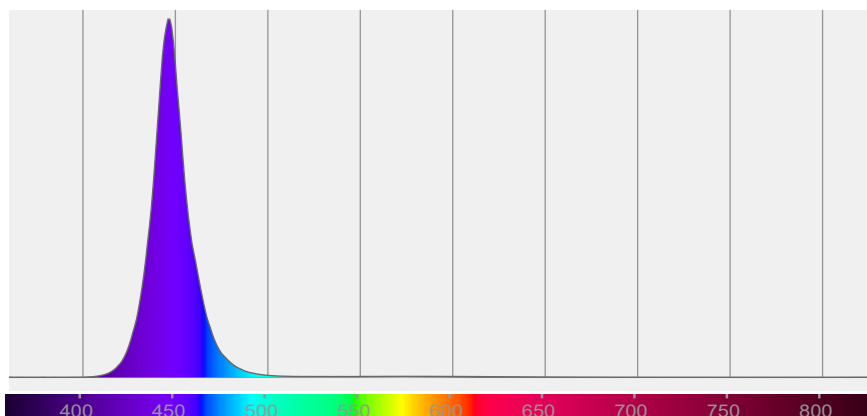


Beam angle 50%: 39,9°

Field angle 10%: 49,4°

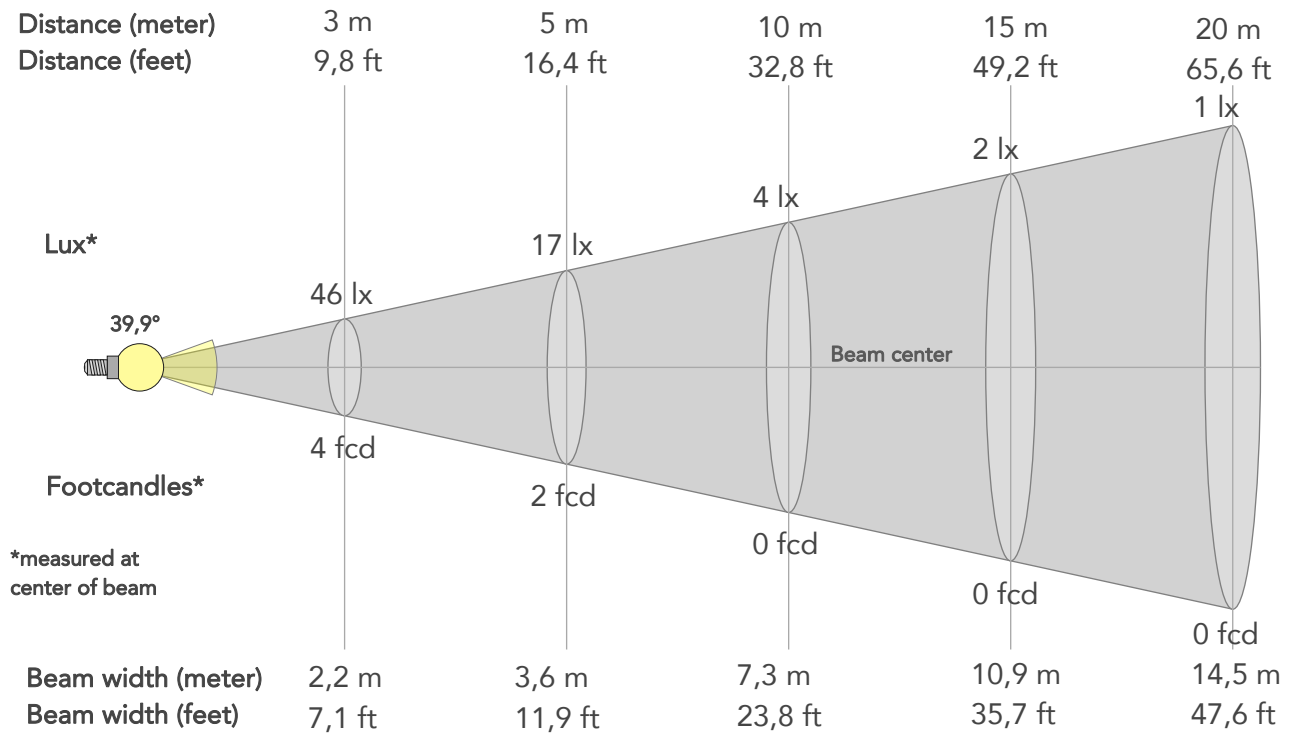
Cut off angle 2.5%: 54,3°

Spectra



BEAM DETAILS

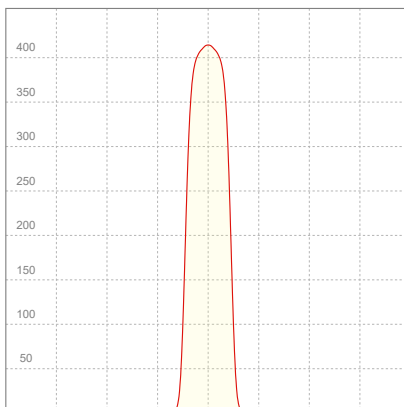
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,9°	49,4°	54,3°	97,6%	96,2%



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	414lx	103lx	46lx	26lx	17lx	7lx	4lx	2lx	1lx	1lx	0lx	0lx	0lx
Footcand.	38fcd	10fcd	4fcd	2fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	2,9m	3,6m	5,4m	7,3m	10,9m	14,5m	18,1m	21,8m	29m	36,3m
Beam wid.	2,4ft	4,8ft	7,1ft	9,5ft	11,9ft	17,9ft	23,8ft	35,7ft	47,6ft	59,5ft	71,4ft	95,2ft	119ft

LINEAR DISTRIBUTION DIAGRAM

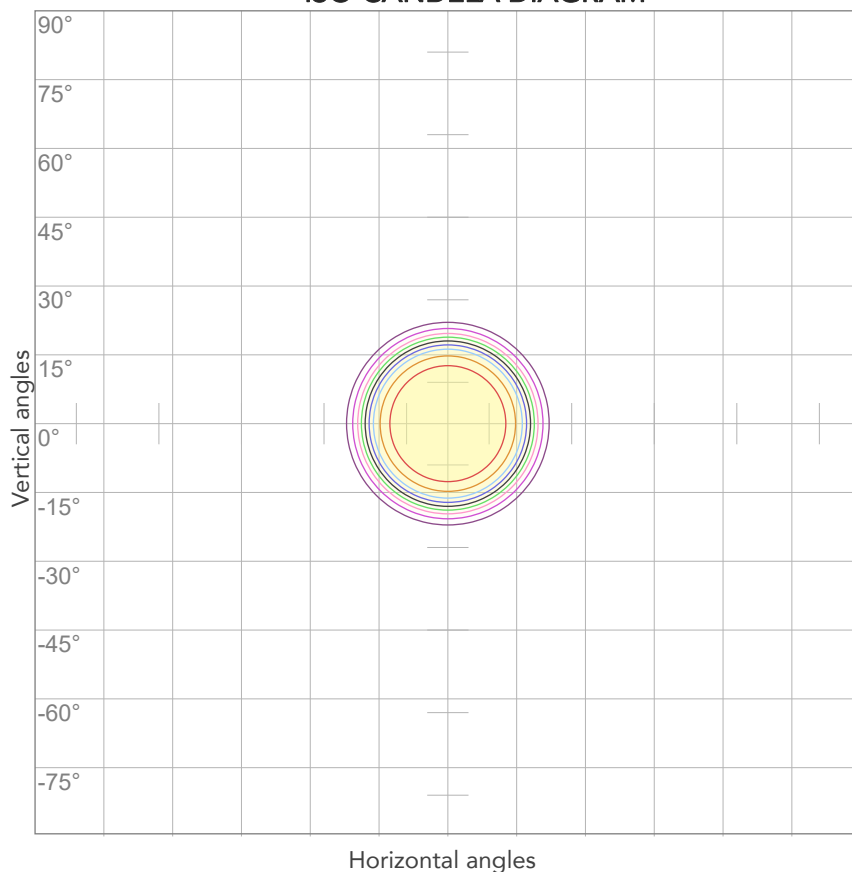


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,229A	44,5W	0,86	4lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



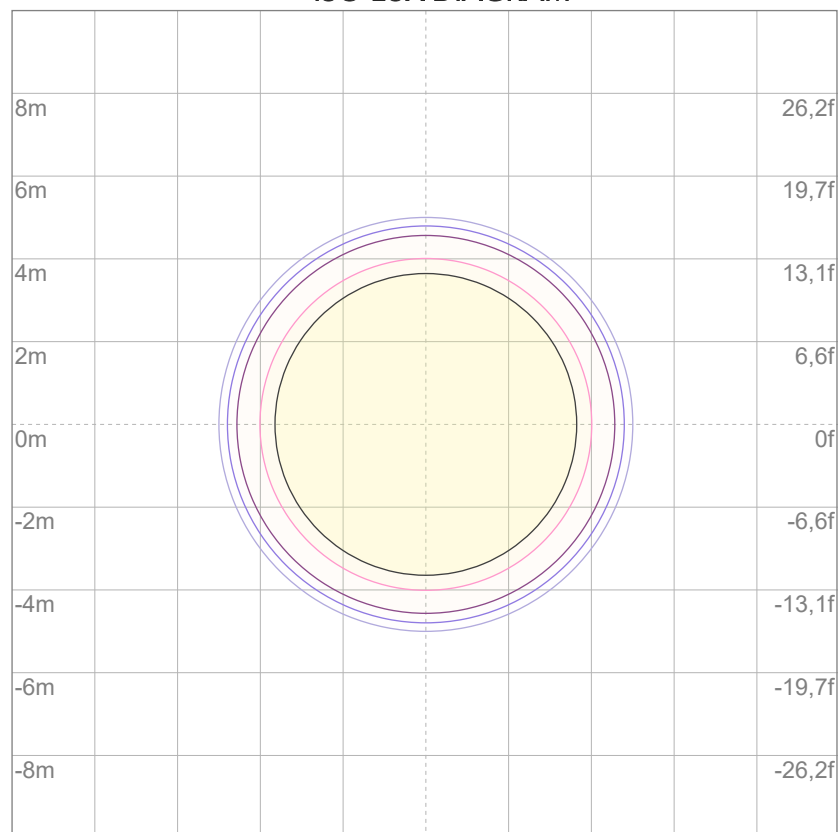
10%	41 cd
20%	83 cd
30%	124 cd
40%	166 cd
50%	207 cd
60%	248 cd
70%	290 cd
80%	331 cd

Conditions:

Number of c-planes: 2

Candela at center: 414 cd

ISO LUX DIAGRAM



3%	0,124 lx
5%	0,207 lx
10%	0,414 lx
30%	1,24 lx
50%	2,07 lx

Conditions:

Number of c-planes: 2

Lux at center: 4,14 lx

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



Total lumen output:

117 lm

Peak candela output:

1023 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

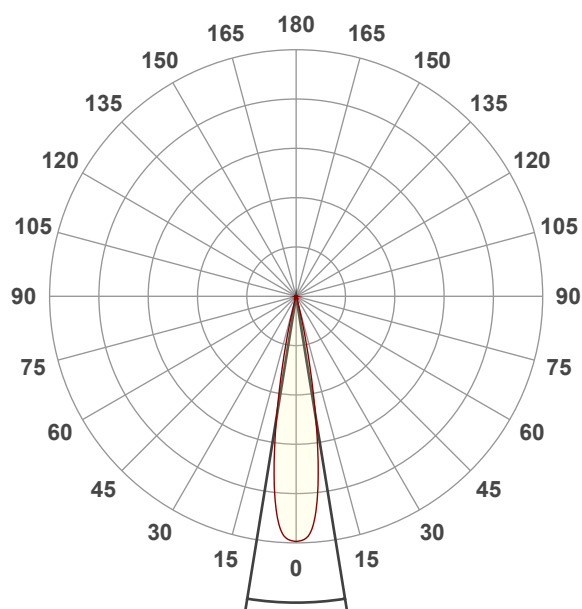
Blue - HQ - RAW Mode

Operator:

Salvatore Giglio

Date and time:

31/05/2024 09:56:10

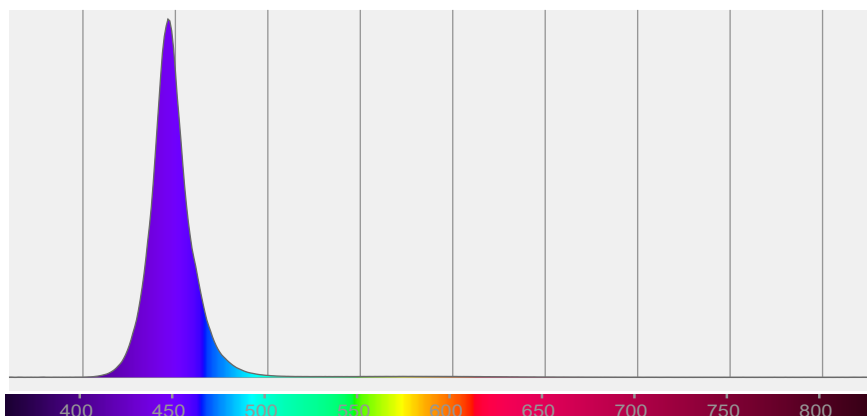


Beam angle 50%: 18,4°

Field angle 10%: 27,3°

Cut off angle 2.5%: 31,8°

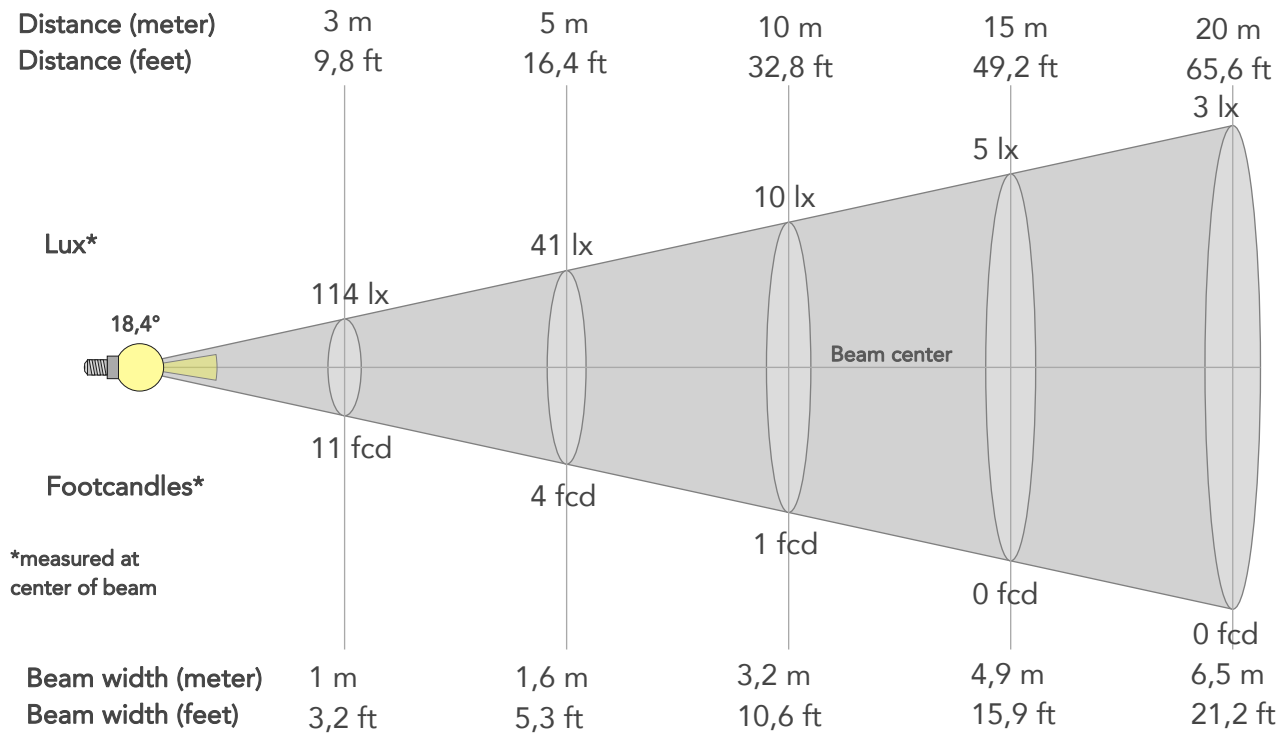
Spectra



BEAM DETAILS



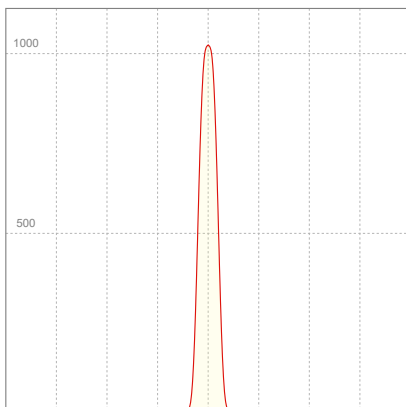
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,4°	27,3°	31,8°	95,9%	93,5%



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	1023lx	256lx	114lx	64lx	41lx	18lx	10lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	95fcd	24fcd	11fcd	6fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	1m	1,3m	1,6m	2,4m	3,2m	4,9m	6,5m	8,1m	9,7m	12,9m	16,2m
Beam wid.	1,1ft	2,1ft	3,2ft	4,2ft	5,3ft	8ft	10,6ft	15,9ft	21,2ft	26,5ft	31,8ft	42,4ft	53ft

LINEAR DISTRIBUTION DIAGRAM

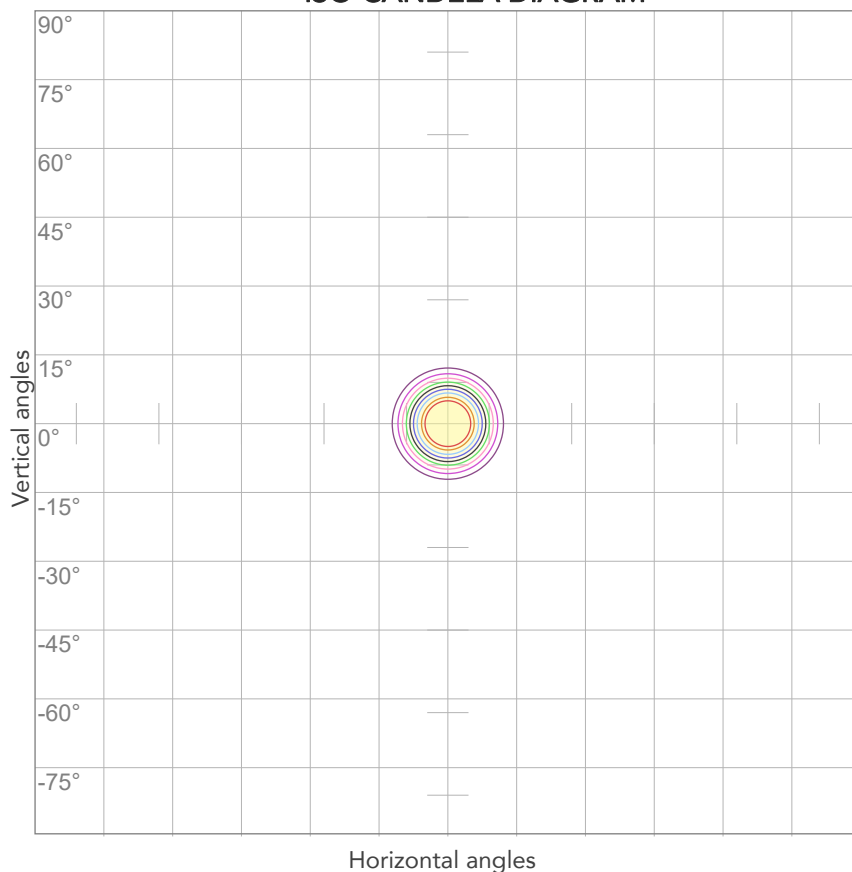


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,225A	44,5W	0,87	3lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



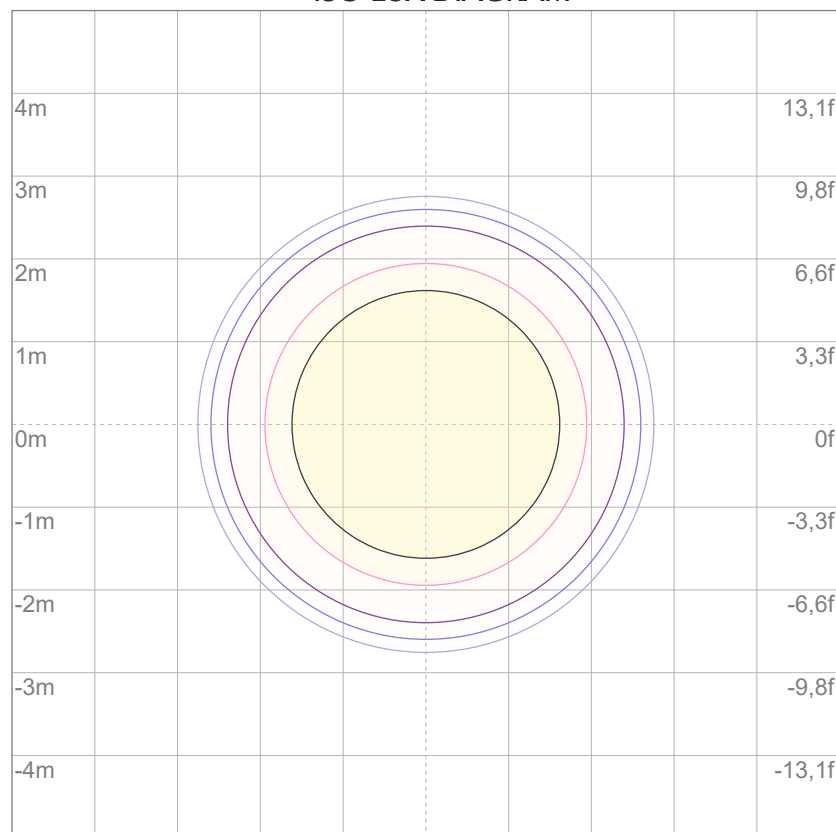
10%	102 cd
20%	205 cd
30%	307 cd
40%	409 cd
50%	512 cd
60%	614 cd
70%	716 cd
80%	819 cd

Conditions:

Number of c-planes: 2

Candela at center: 1023 cd

ISO LUX DIAGRAM



3%	0,307 lx
5%	0,512 lx
10%	1,02 lx
30%	3,07 lx
50%	5,12 lx

Conditions:

Number of c-planes: 2

Lux at center: 10,2 lx

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



Total lumen output:

175 lm

Peak candela output:

184 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

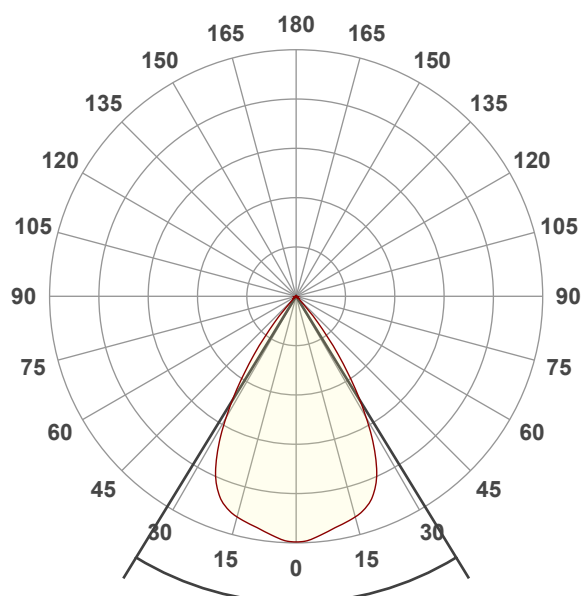
Cyan - HQ - RAW Mode

Operator:

Salvatore Giglio

Date and time:

31/05/2024 10:43:43

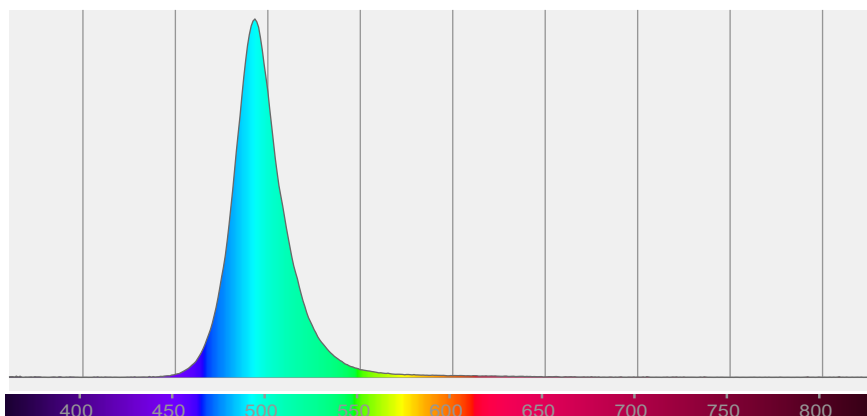


Beam angle 50%: 63°

Field angle 10%: 82°

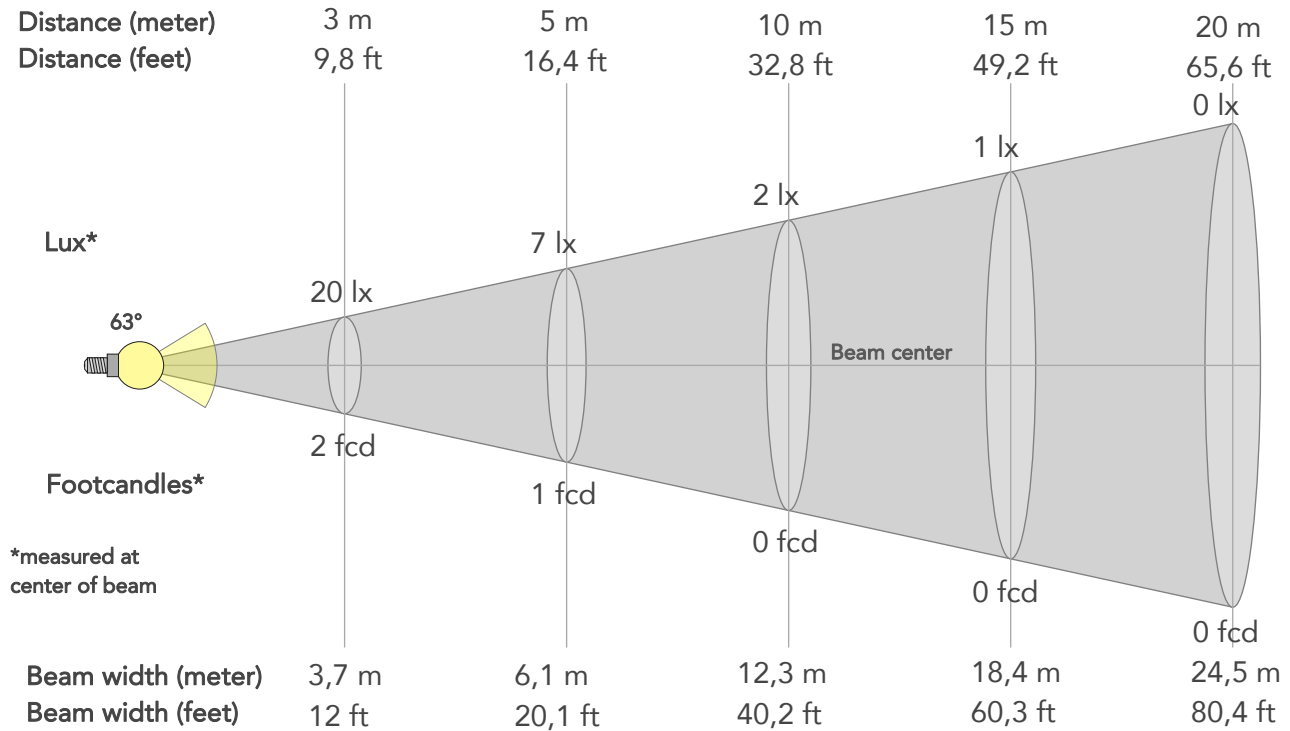
Cut off angle 2.5%: 89,3°

Spectra



BEAM DETAILS

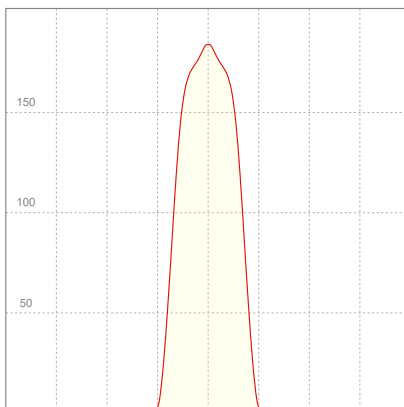
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
63°	82°	89,3°	98,3%	97,7%



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	184lx	46lx	20lx	11lx	7lx	3lx	2lx	1lx	0lx	0lx	0lx	0lx	0lx
Footcand.	17fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,2m	2,5m	3,7m	4,9m	6,1m	9,2m	12,3m	18,4m	24,5m	30,6m	36,8m	49m	61,3m
Beam wid.	4ft	8,1ft	12ft	16,1ft	20,1ft	30,1ft	40,2ft	60,3ft	80,4ft	100,5ft	120,6ft	160,8ft	201ft

LINEAR DISTRIBUTION DIAGRAM

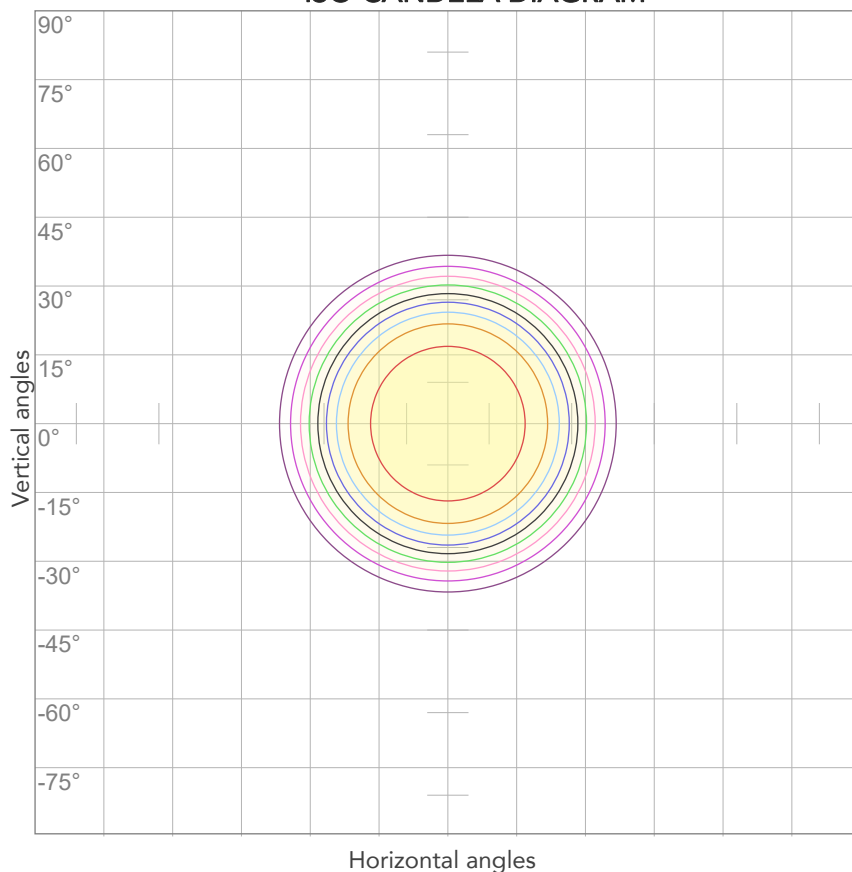


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,147A	16,8W	0,51	10lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



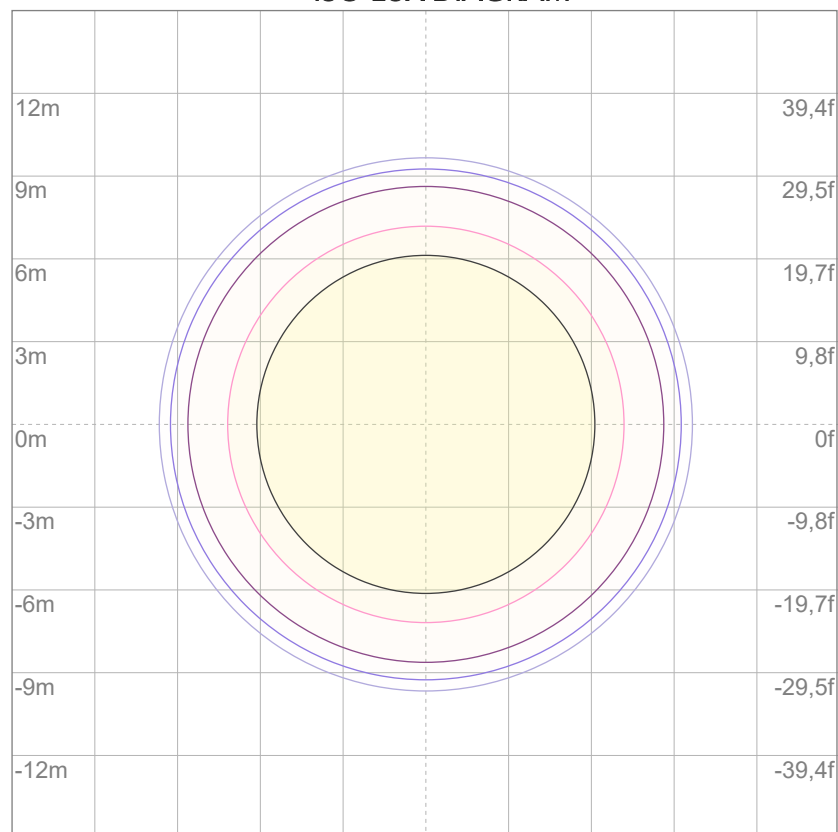
10%	18 cd
20%	37 cd
30%	55 cd
40%	73 cd
50%	92 cd
60%	110 cd
70%	128 cd
80%	147 cd

Conditions:

Number of c-planes: 2

Candela at center: 184 cd

ISO LUX DIAGRAM



3%	55,1m lx
5%	91,8m lx
10%	0,184 lx
30%	0,551 lx
50%	0,918 lx

Conditions:

Number of c-planes: 2

Lux at center: 1,84 lx

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



Total lumen output:

131 lm

Peak candela output:

333 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

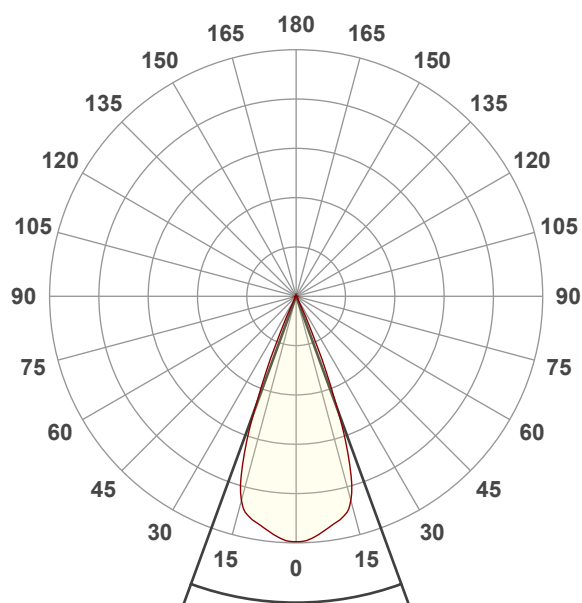
Cyan - HQ - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 18:02:14

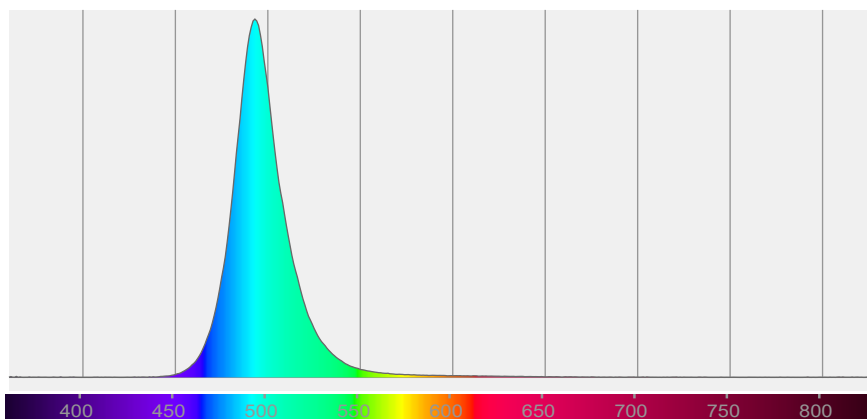


Beam angle 50%: 40,2°

Field angle 10%: 49,8°

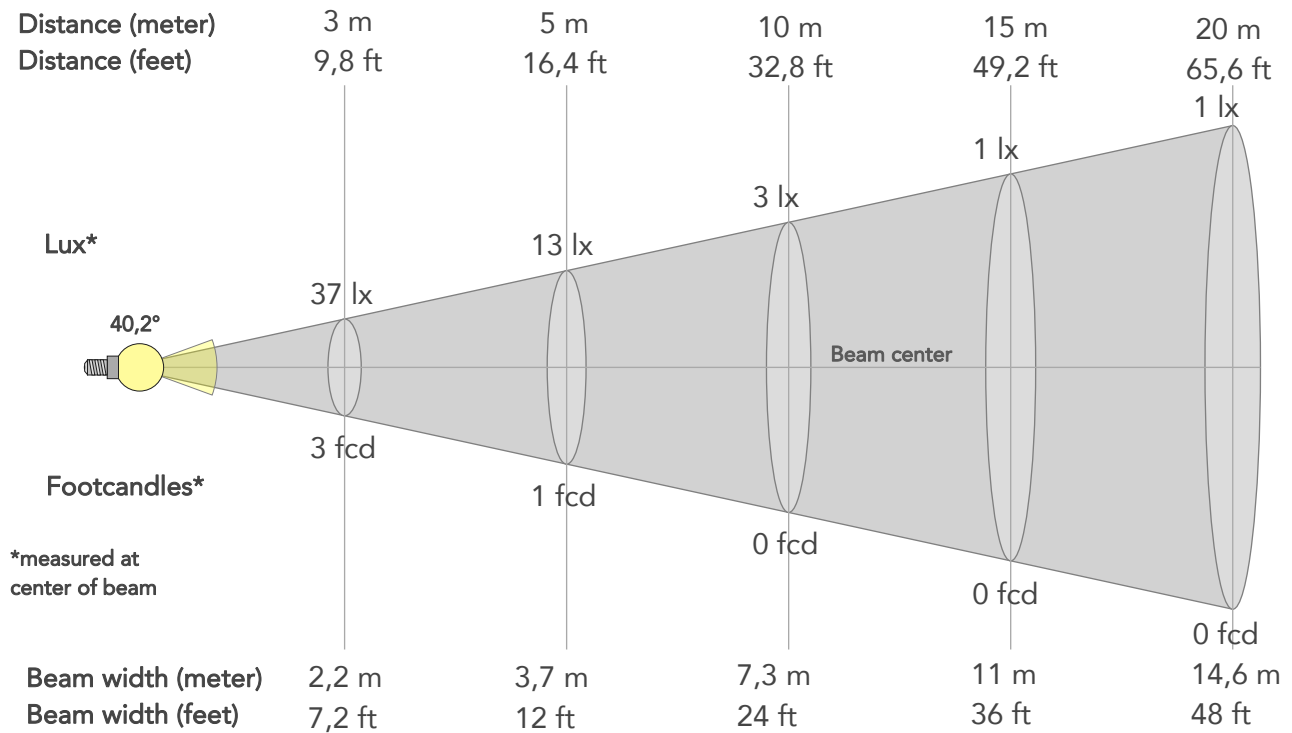
Cut off angle 2.5%: 54,9°

Spectra



BEAM DETAILS

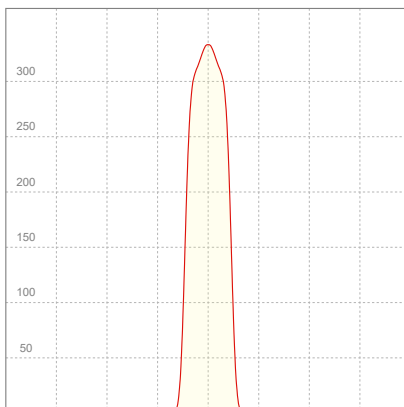
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40,2°	49,8°	54,9°	98,4%	97,2%



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	333lx	83lx	37lx	21lx	13lx	6lx	3lx	1lx	1lx	1lx	0lx	0lx	0lx
Footcand.	31fcd	8fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	2,9m	3,7m	5,5m	7,3m	11m	14,6m	18,3m	21,9m	29,2m	36,6m
Beam wid.	2,4ft	4,8ft	7,2ft	9,6ft	12ft	18ft	24ft	36ft	48ft	59,9ft	71,9ft	95,9ft	119,9ft

LINEAR DISTRIBUTION DIAGRAM

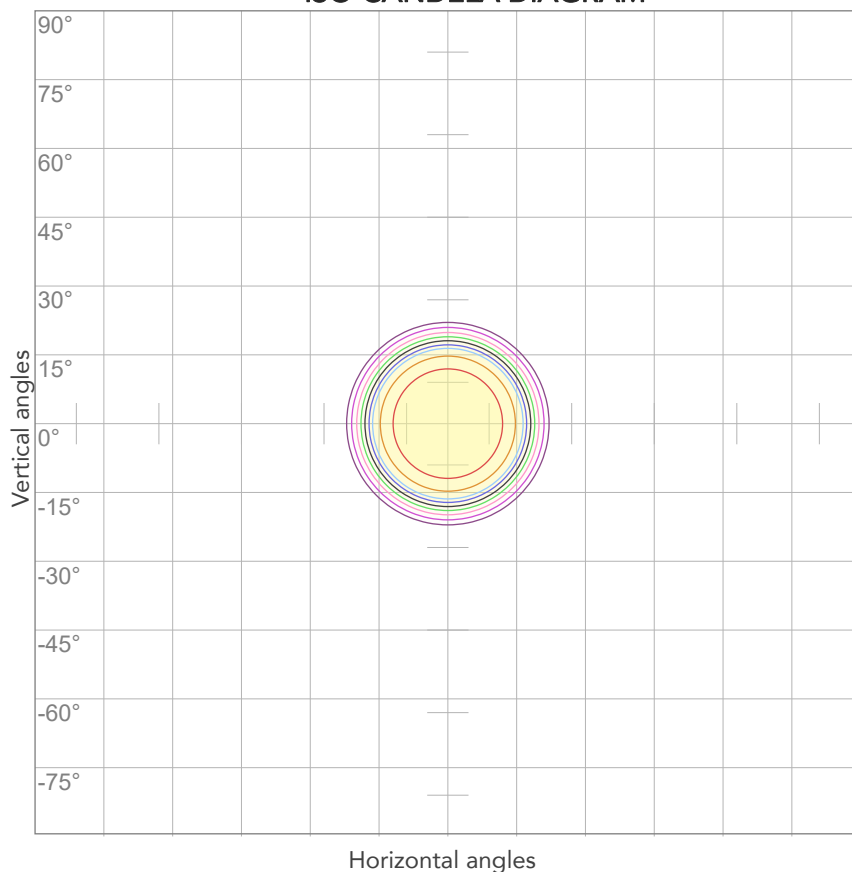


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,162A	18,5W	0,51	7lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



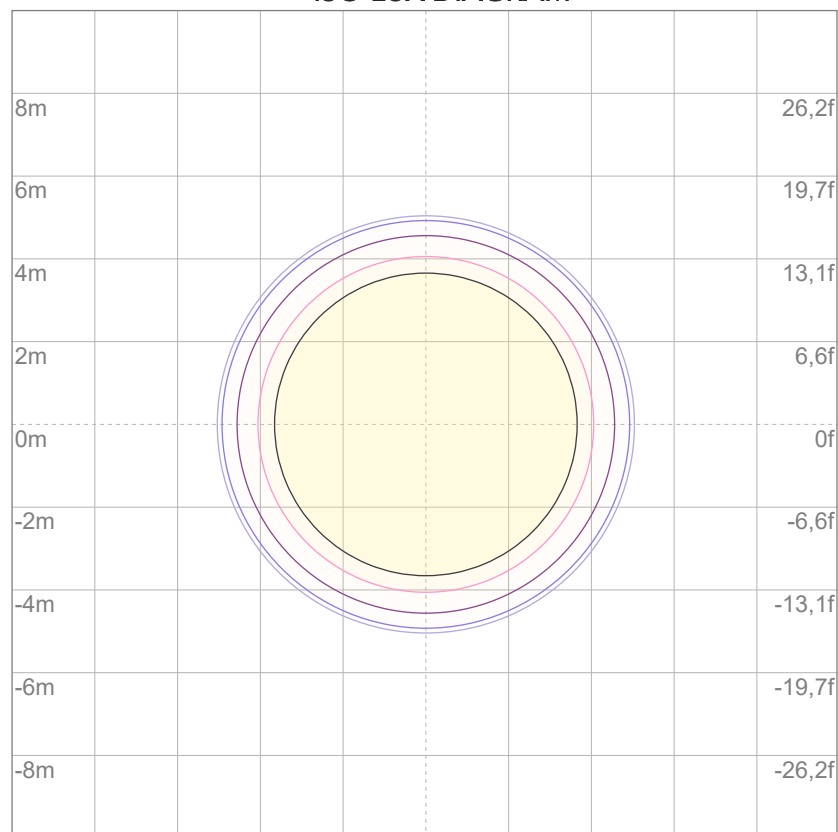
10%	33 cd
20%	67 cd
30%	100 cd
40%	133 cd
50%	166 cd
60%	200 cd
70%	233 cd
80%	266 cd

Conditions:

Number of c-planes: 2

Candela at center: 333 cd

ISO LUX DIAGRAM



3%	99,8m lx
5%	0,166 lx
10%	0,333 lx
30%	0,998 lx
50%	1,66 lx

Conditions:

Number of c-planes: 2

Lux at center: 3,33 lx

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



Total lumen output:

91,5 lm

Peak candela output:

817 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

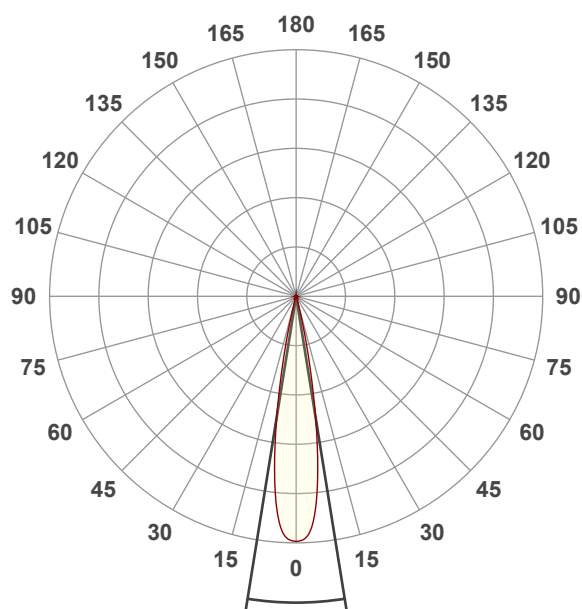
Cyan - HQ - RAW Mode

Operator:

Salvatore Giglio

Date and time:

31/05/2024 09:54:14

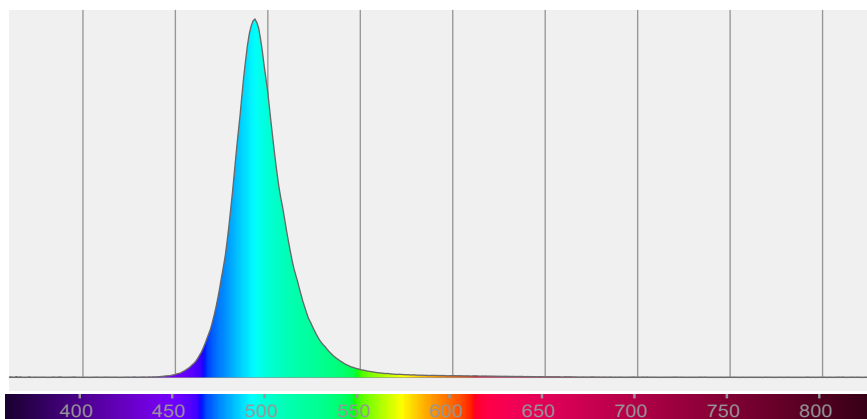


Beam angle 50%: 18,2°

Field angle 10%: 27,4°

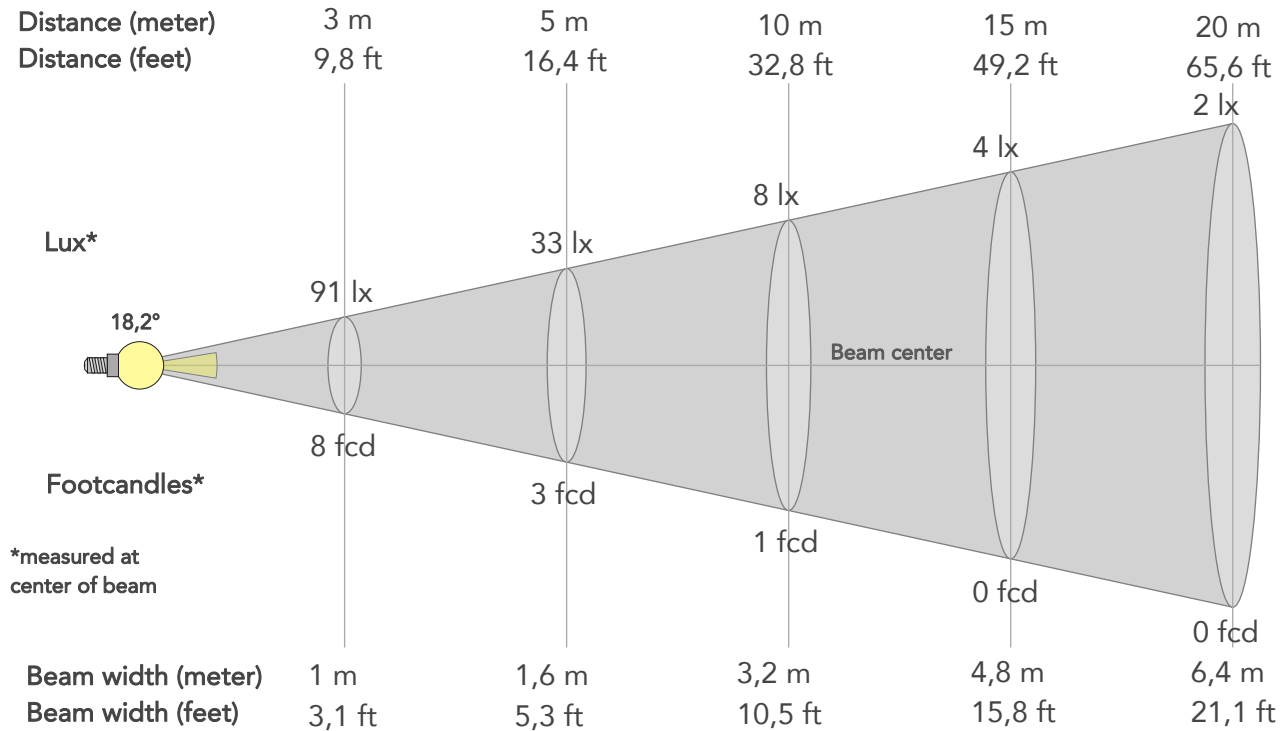
Cut off angle 2.5%: 32°

Spectra



BEAM DETAILS

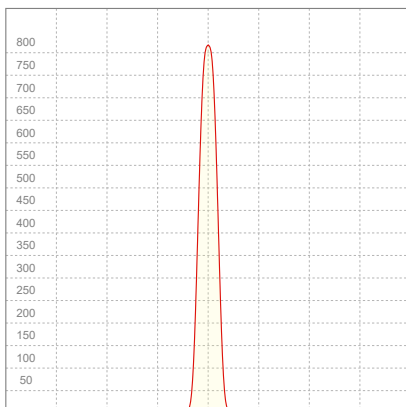
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,2°	27,4°	32°	97,0%	94,7%



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	817lx	204lx	91lx	51lx	33lx	15lx	8lx	4lx	2lx	1lx	1lx	1lx	0lx
Footcand.	76fcd	19fcd	8fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	1m	1,3m	1,6m	2,4m	3,2m	4,8m	6,4m	8m	9,6m	12,8m	16,1m
Beam wid.	1,1ft	2,1ft	3,1ft	4,2ft	5,3ft	7,9ft	10,5ft	15,8ft	21,1ft	26,3ft	31,6ft	42,1ft	52,7ft

LINEAR DISTRIBUTION DIAGRAM

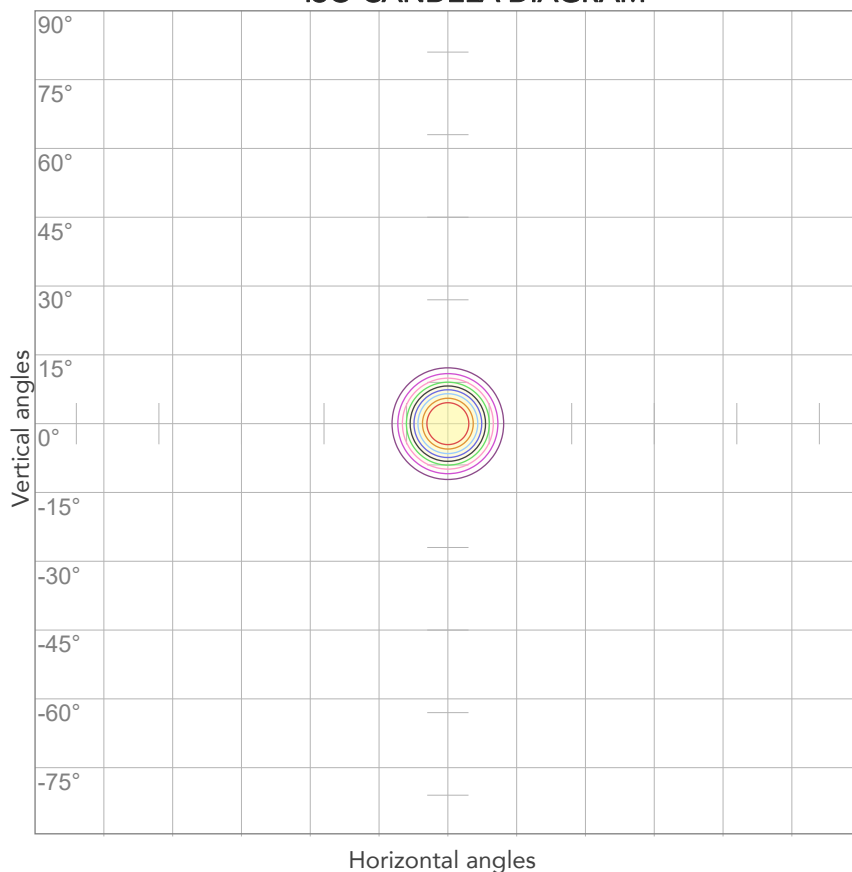


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,161A	18,7W	0,52	5lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



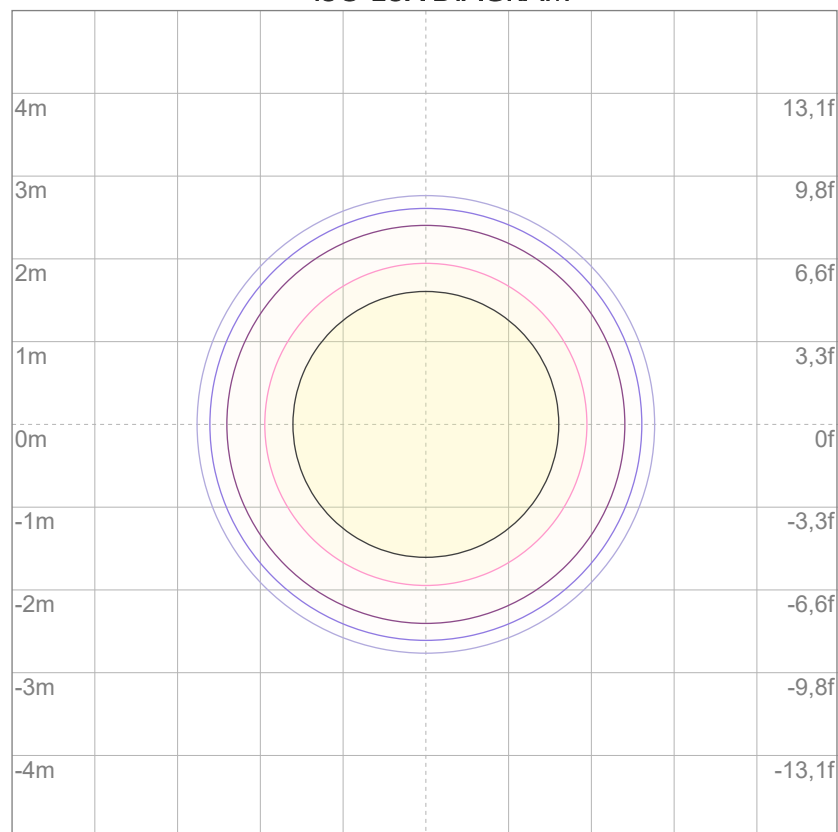
10%	82 cd
20%	163 cd
30%	245 cd
40%	327 cd
50%	408 cd
60%	490 cd
70%	572 cd
80%	653 cd

Conditions:

Number of c-planes: 2

Candela at center: 817 cd

ISO LUX DIAGRAM



3%	0,245 lx
5%	0,408 lx
10%	0,817 lx
30%	2,45 lx
50%	4,08 lx

Conditions:

Number of c-planes: 2

Lux at center: 8,17 lx

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



Total lumen output:

3060 lm

Peak candela output:

3493 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

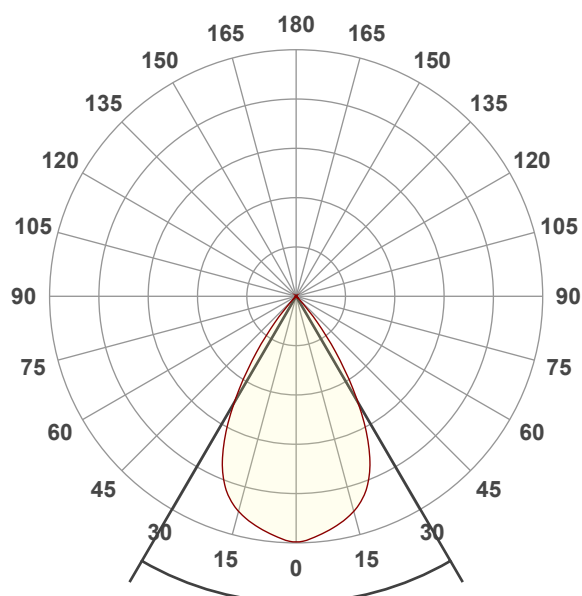
Mint - HQ - RAW Mode

Operator:

Salvatore Giglio

Date and time:

31/05/2024 10:45:21

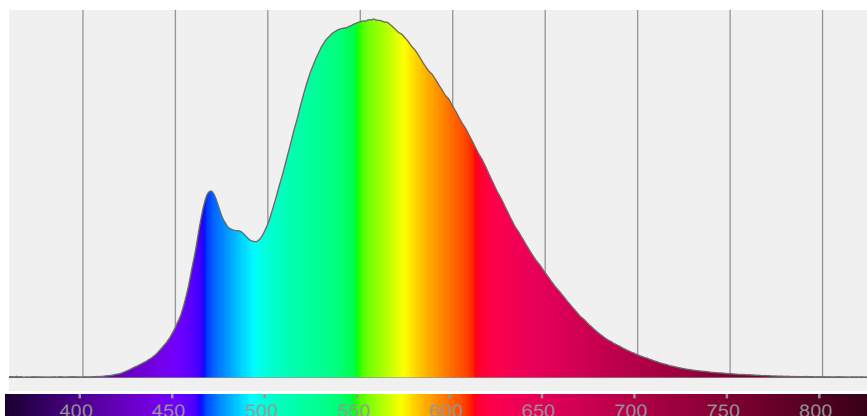


Beam angle 50%: 60,5°

Field angle 10%: 81°

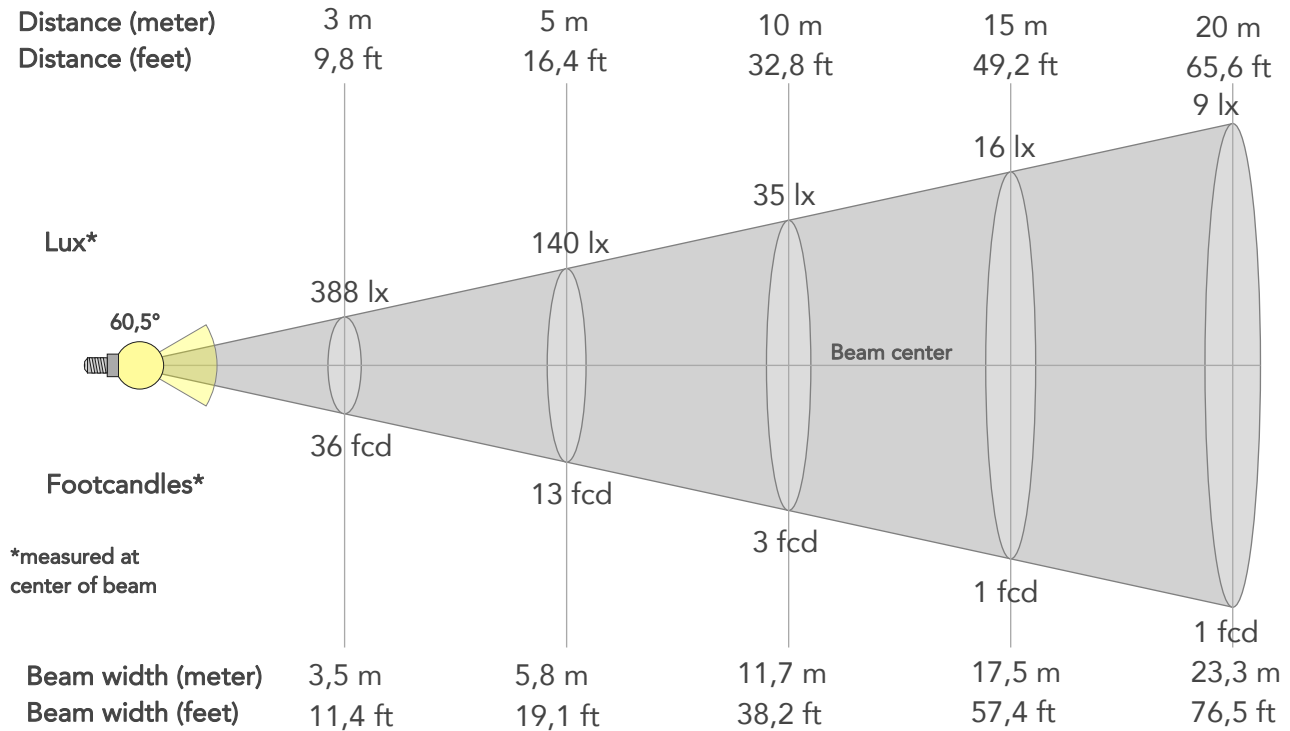
Cut off angle 2.5%: 88,7°

Spectra



BEAM DETAILS

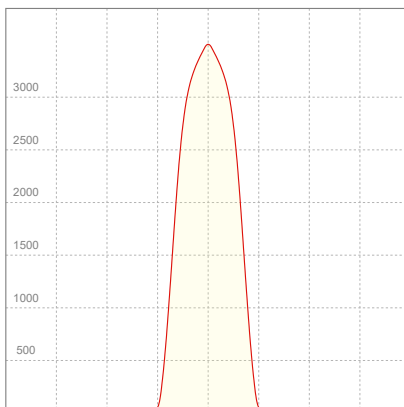
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
60,5°	81°	88,7°	99,3%	99,0%



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	3493lx	873lx	388lx	218lx	140lx	62lx	35lx	16lx	9lx	6lx	4lx	2lx	1lx
Footcand.	325fcd	81fcd	36fcd	20fcd	13fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	1,2m	2,3m	3,5m	4,7m	5,8m	8,7m	11,7m	17,5m	23,3m	29,1m	35m	46,6m	58,3m
Beam wid.	3,8ft	7,7ft	11,4ft	15,3ft	19,1ft	28,7ft	38,2ft	57,4ft	76,5ft	95,6ft	114,7ft	153ft	191,2ft

LINEAR DISTRIBUTION DIAGRAM

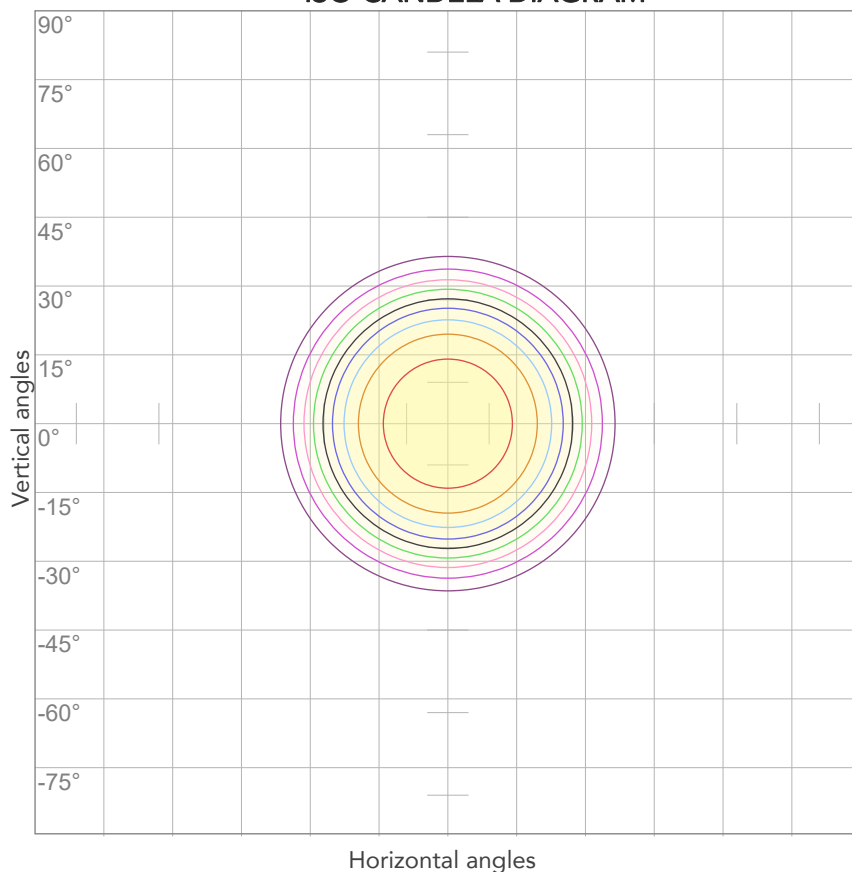


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,346A	74,4W	0,96	41lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



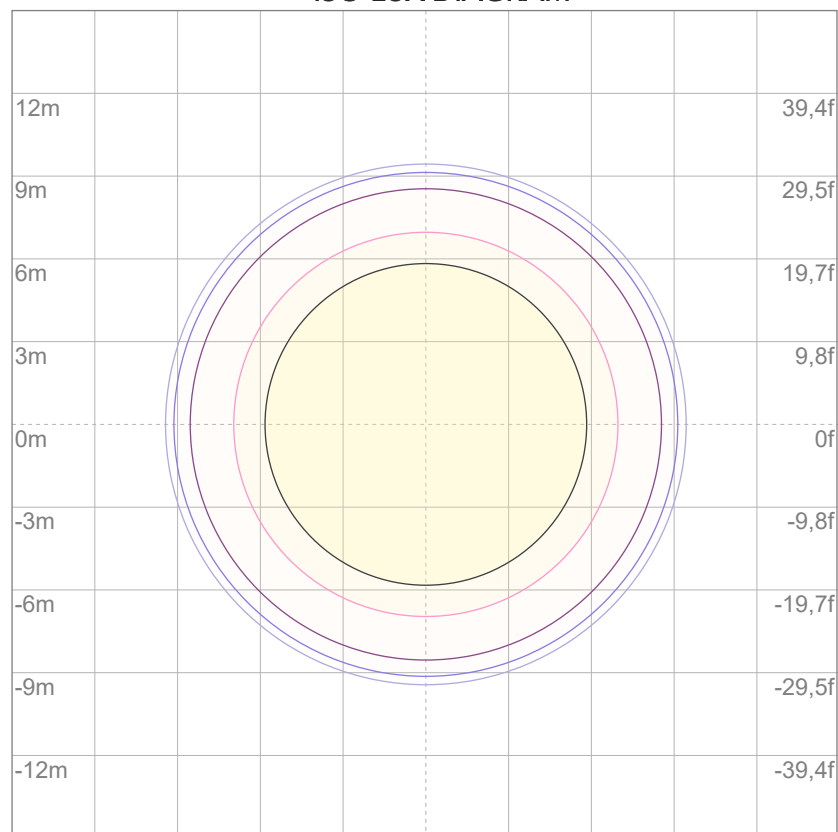
10%	349 cd
20%	699 cd
30%	1048 cd
40%	1397 cd
50%	1747 cd
60%	2096 cd
70%	2445 cd
80%	2795 cd

Conditions:

Number of c-planes: 2

Candela at center: 3493 cd

ISO LUX DIAGRAM



3%	1,05 lx
5%	1,75 lx
10%	3,49 lx
30%	10,5 lx
50%	17,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 34,9 lx

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



Total lumen output:

2330 lm

Peak candela output:

6260 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

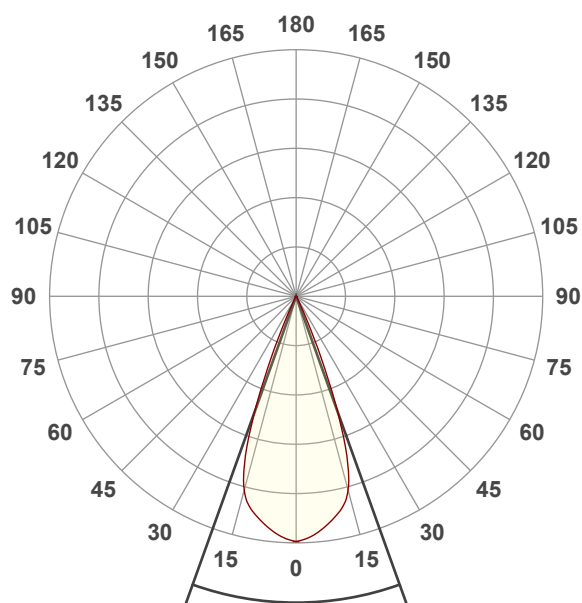
Mint - HQ - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 18:03:28

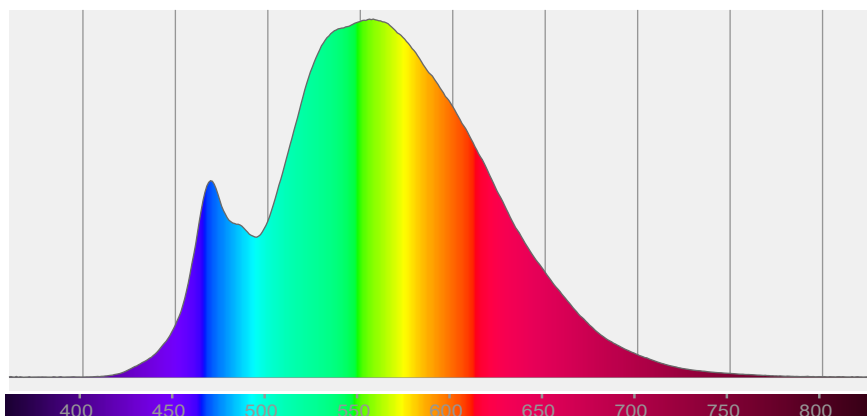


Beam angle 50%: 39,5°

Field angle 10%: 49,2°

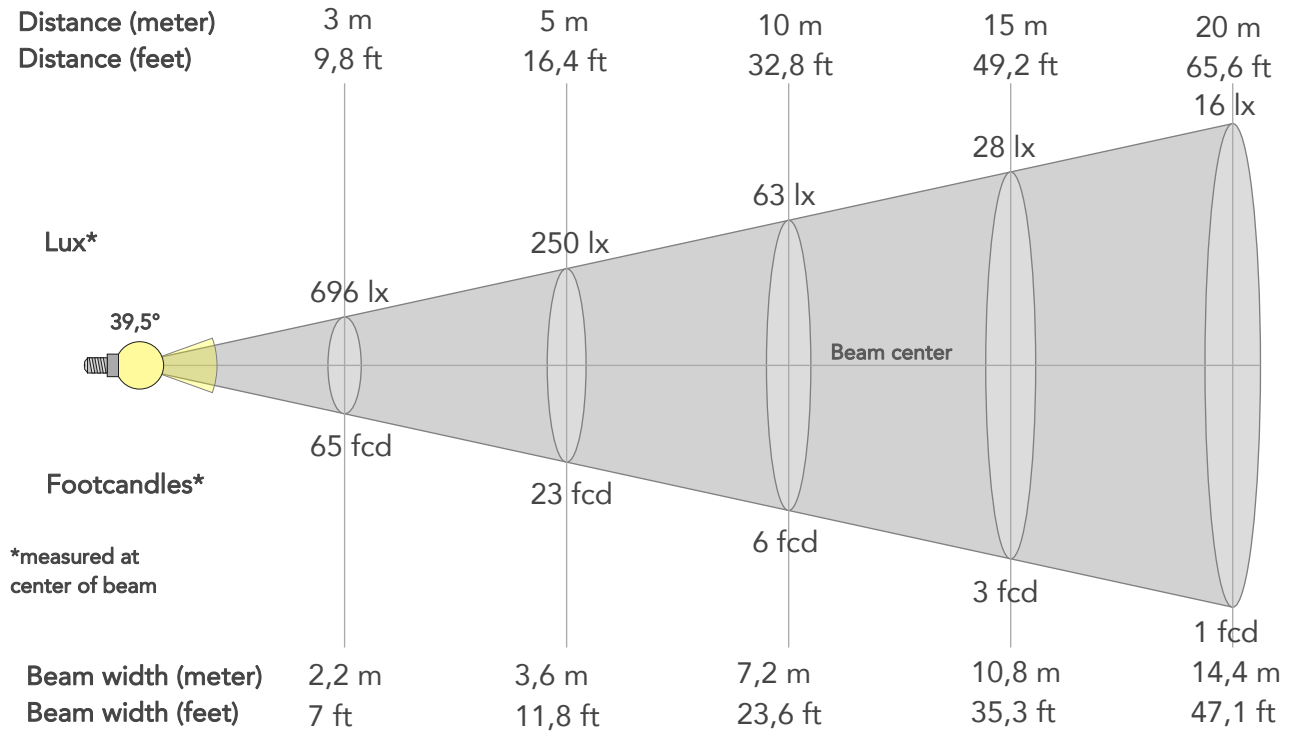
Cut off angle 2.5%: 54,3°

Spectra



BEAM DETAILS

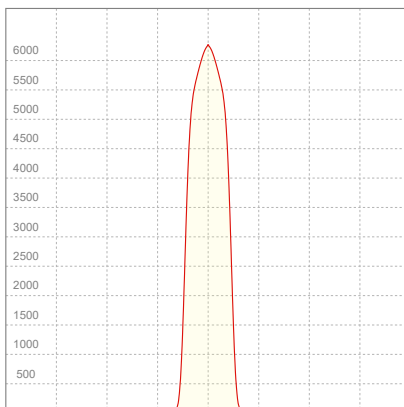
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,5°	49,2°	54,3°	99,1%	98,0%



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	6260lx	1565lx	696lx	391lx	250lx	111lx	63lx	28lx	16lx	10lx	7lx	4lx	3lx
Footcand.	582fcd	145fcd	65fcd	36fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,7m	1,4m	2,2m	2,9m	3,6m	5,4m	7,2m	10,8m	14,4m	17,9m	21,5m	28,7m	35,9m
Beam wid.	2,4ft	4,7ft	7ft	9,4ft	11,8ft	17,7ft	23,6ft	35,3ft	47,1ft	58,9ft	70,7ft	94,2ft	117,8ft

LINEAR DISTRIBUTION DIAGRAM

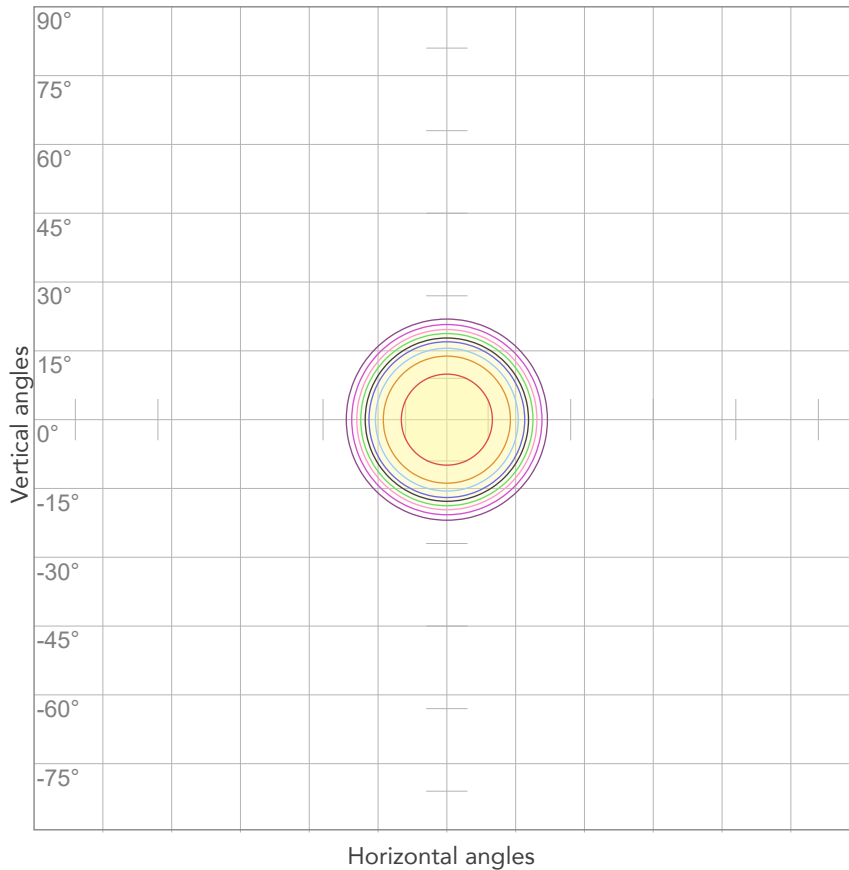


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,347A	74,3W	0,95	31lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



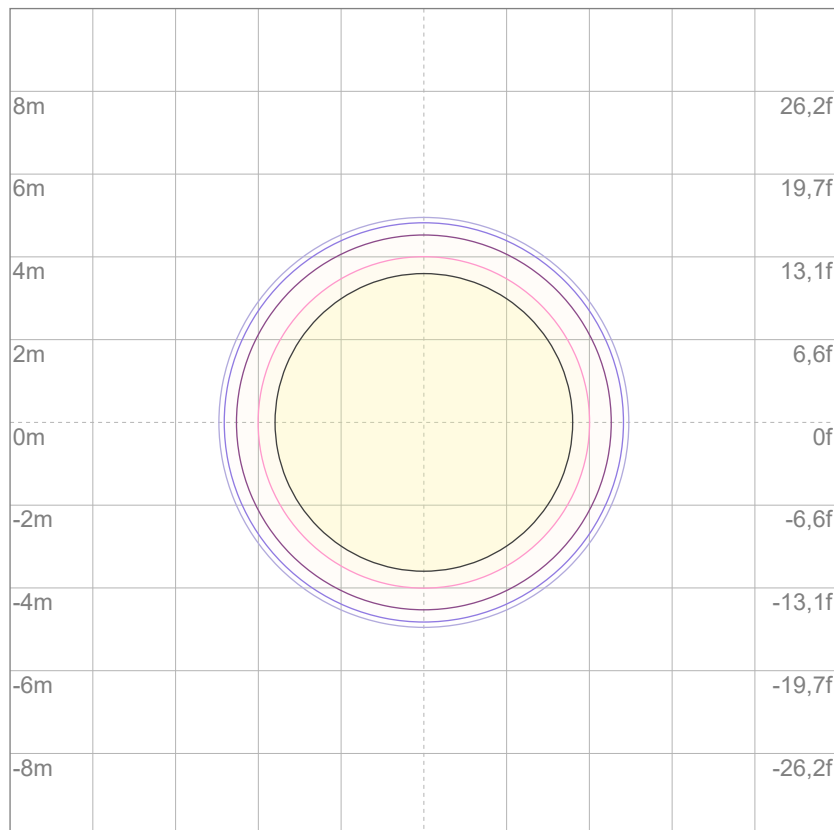
10%	626 cd
20%	1252 cd
30%	1878 cd
40%	2504 cd
50%	3130 cd
60%	3756 cd
70%	4382 cd
80%	5008 cd

Conditions:

Number of c-planes: 2

Candela at center: 6260 cd

ISO LUX DIAGRAM



3%	1,88 lx
5%	3,13 lx
10%	6,26 lx
30%	18,8 lx
50%	31,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 62,6 lx

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



Total lumen output:

1662 lm

Peak candela output:

15066 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

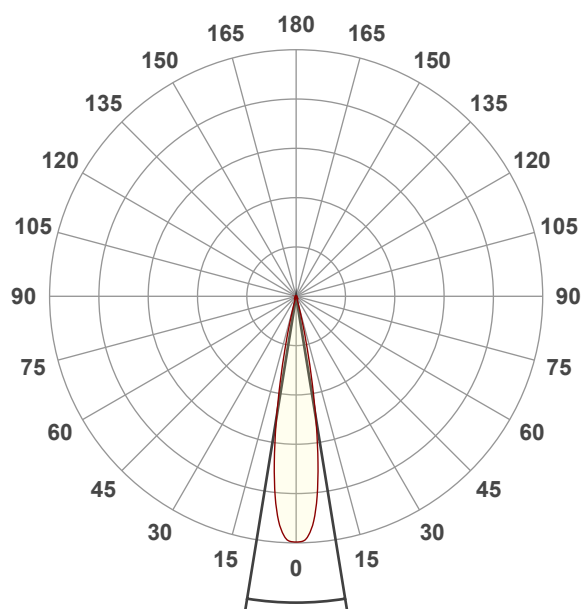
Mint - HQ - RAW Mode

Operator:

Salvatore Giglio

Date and time:

31/05/2024 09:49:37

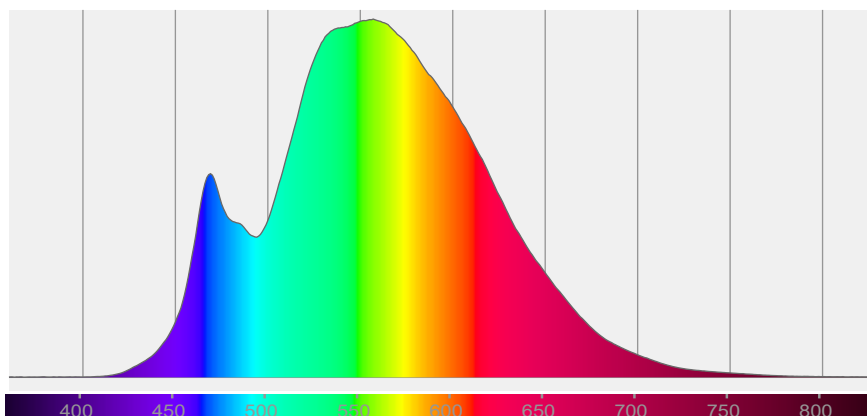


Beam angle 50%: 18,4°

Field angle 10%: 27,5°

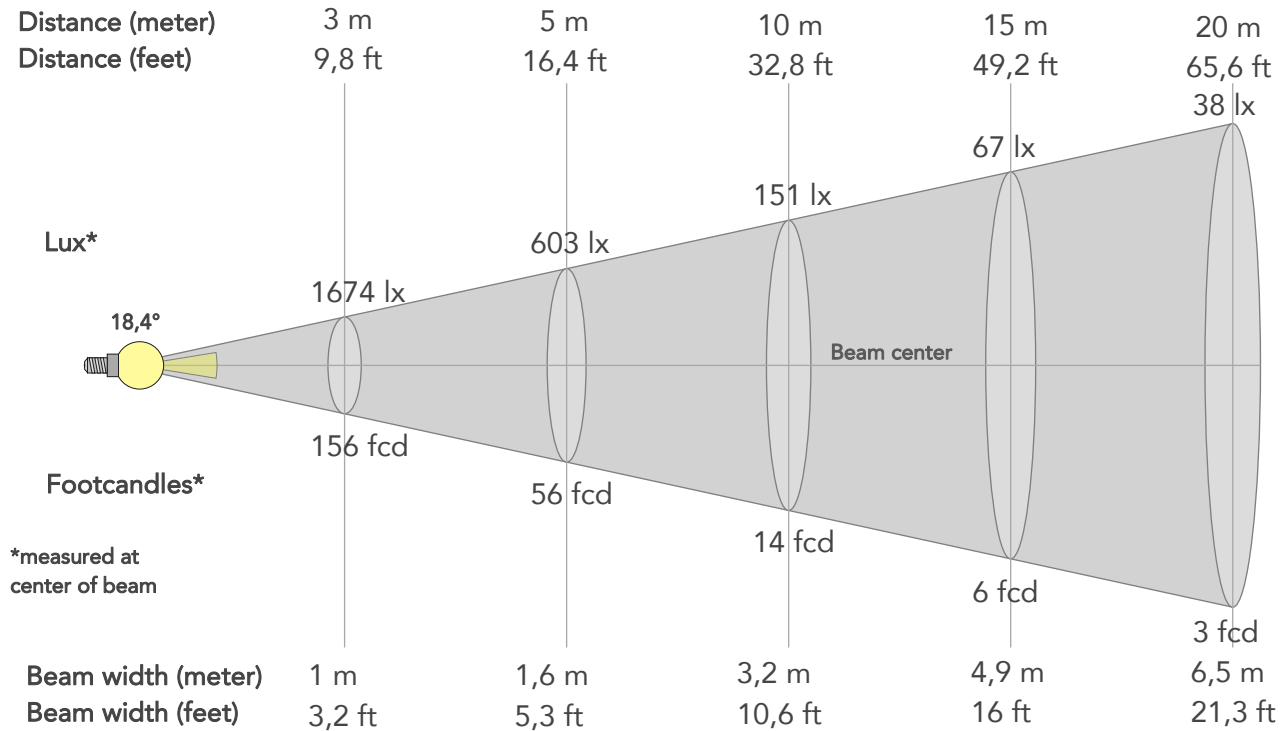
Cut off angle 2.5%: 32,3°

Spectra



BEAM DETAILS

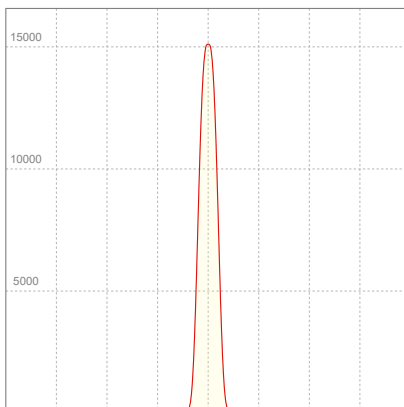
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,4°	27,5°	32,3°	98,8%	96,8%



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	15066lx	3767lx	1674lx	942lx	603lx	268lx	151lx	67lx	38lx	24lx	17lx	9lx	6lx
Footcand.	1400fcd	350fcd	156fcd	87fcd	56fcd	25fcd	14fcd	6fcd	3fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,3m	0,6m	1m	1,3m	1,6m	2,4m	3,2m	4,9m	6,5m	8,1m	9,7m	13m	16,2m
Beam wid.	1,1ft	2,1ft	3,2ft	4,2ft	5,3ft	8ft	10,6ft	16ft	21,3ft	26,6ft	31,9ft	42,5ft	53,2ft

LINEAR DISTRIBUTION DIAGRAM

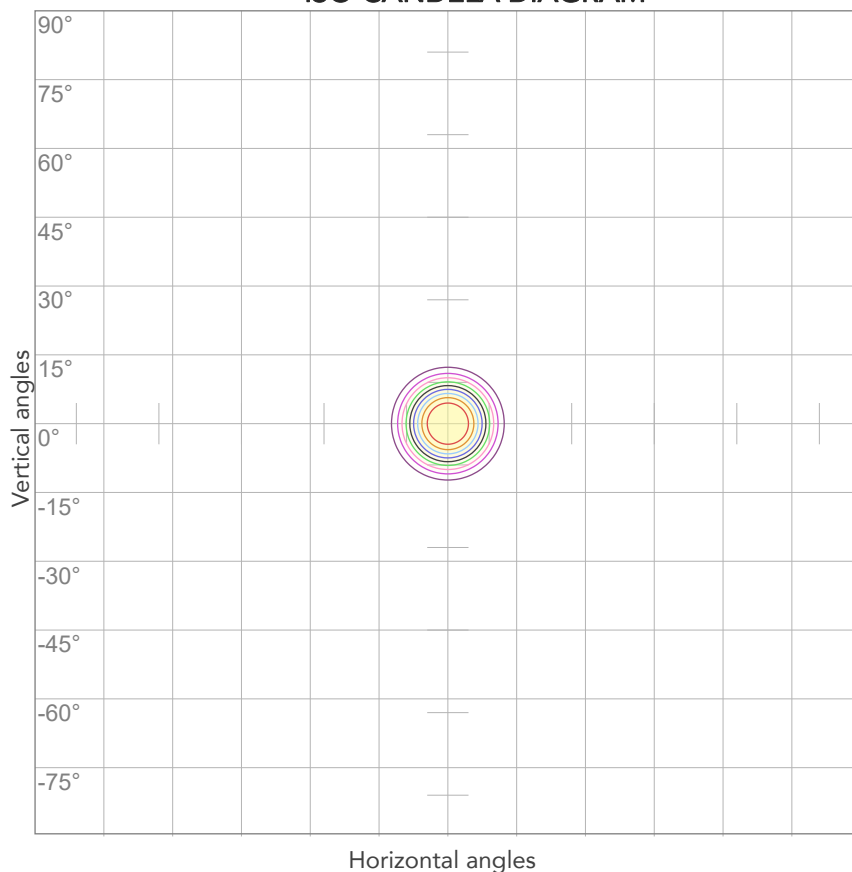


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,345A	74,3W	0,96	22lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



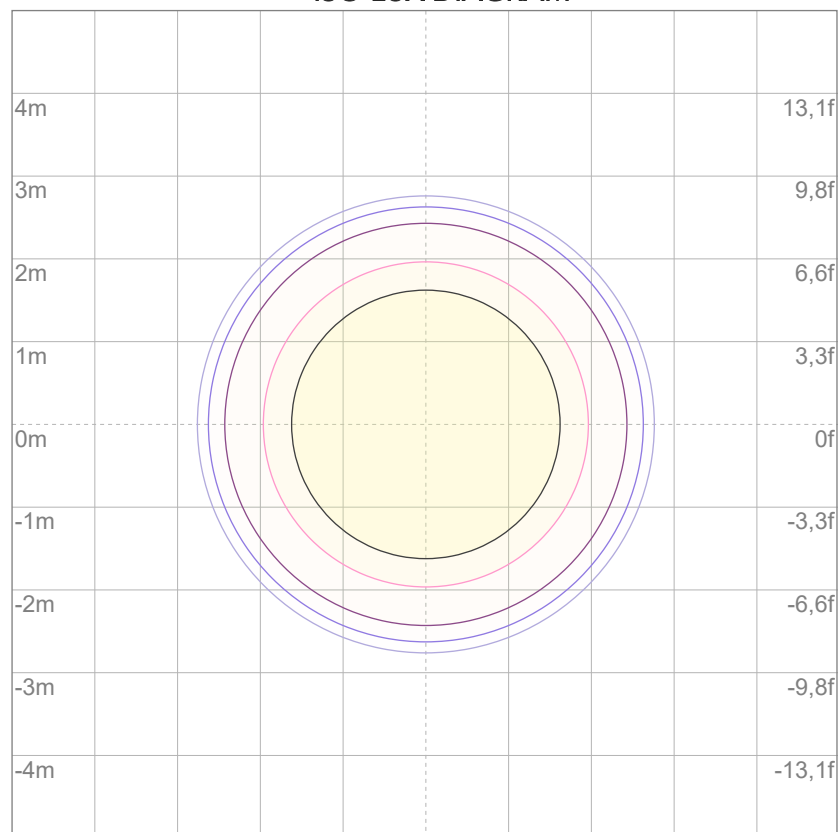
10%	1507 cd
20%	3013 cd
30%	4520 cd
40%	6026 cd
50%	7533 cd
60%	9040 cd
70%	10546 cd
80%	12053 cd

Conditions:

Number of c-planes: 2

Candela at center: 15066 cd

ISO LUX DIAGRAM



3%	4,52 lx
5%	7,53 lx
10%	15,1 lx
30%	45,2 lx
50%	75,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 151 lx

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



Total lumen output:

1887 lm

Peak candela output:

2138 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

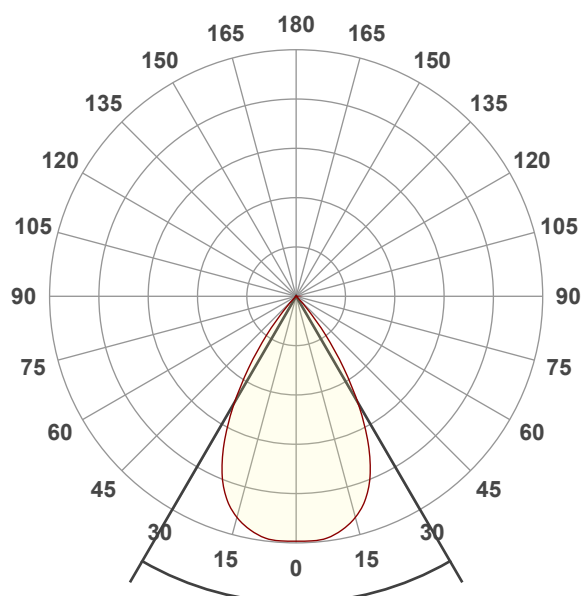
Amber - HQ - RAW Mode

Operator:

Salvatore Giglio

Date and time:

31/05/2024 10:46:50

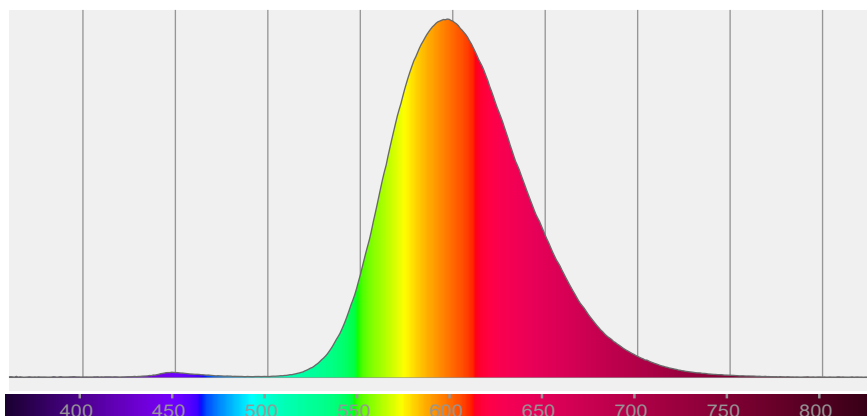


Beam angle 50%: 60,3°

Field angle 10%: 80,7°

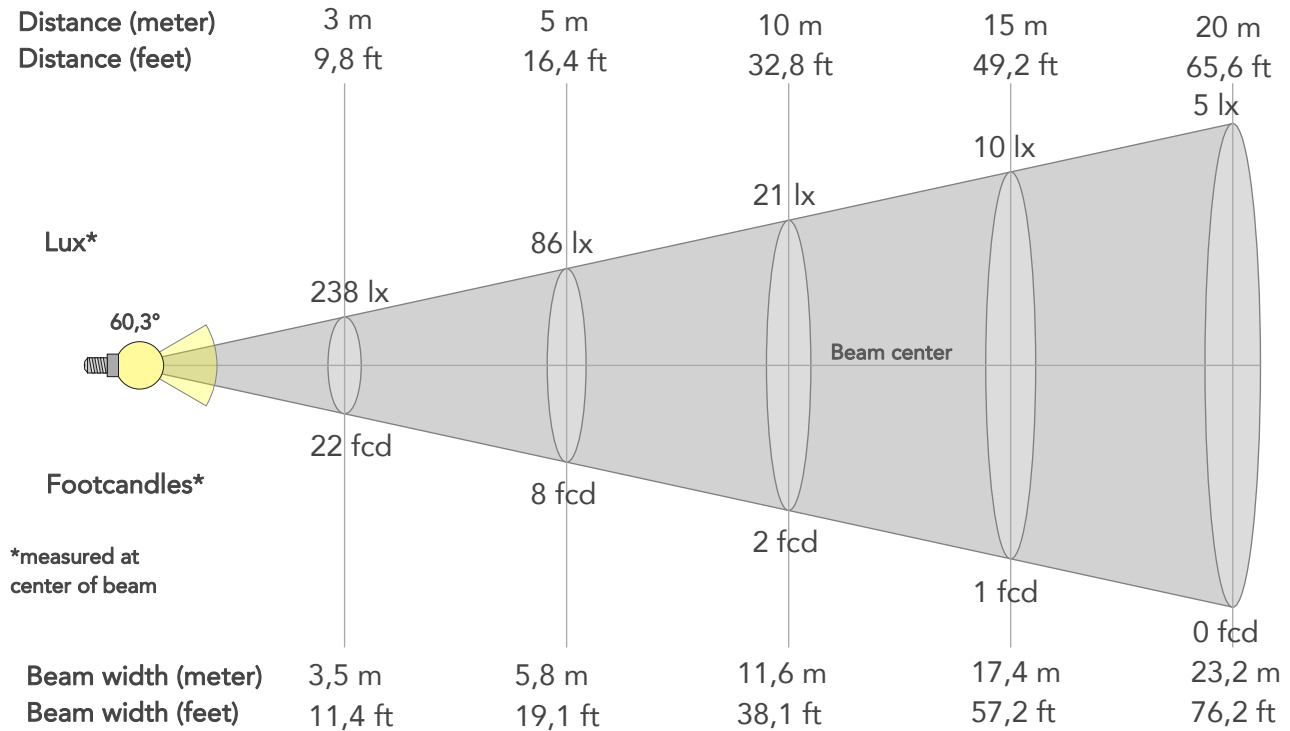
Cut off angle 2.5%: 88,3°

Spectra



BEAM DETAILS

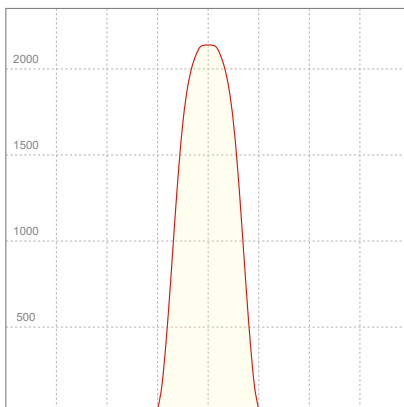
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
60,3°	80,7°	88,3°	99,3%	98,9%



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	2138lx	534lx	238lx	134lx	86lx	38lx	21lx	10lx	5lx	3lx	2lx	1lx	1lx
Footcand.	199fcd	50fcd	22fcd	12fcd	8fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,2m	2,3m	3,5m	4,6m	5,8m	8,7m	11,6m	17,4m	23,2m	29,1m	34,9m	46,5m	58,1m
Beam wid.	3,8ft	7,7ft	11,4ft	15,2ft	19,1ft	28,6ft	38,1ft	57,2ft	76,2ft	95,3ft	114,3ft	152,5ft	190,6ft

LINEAR DISTRIBUTION DIAGRAM

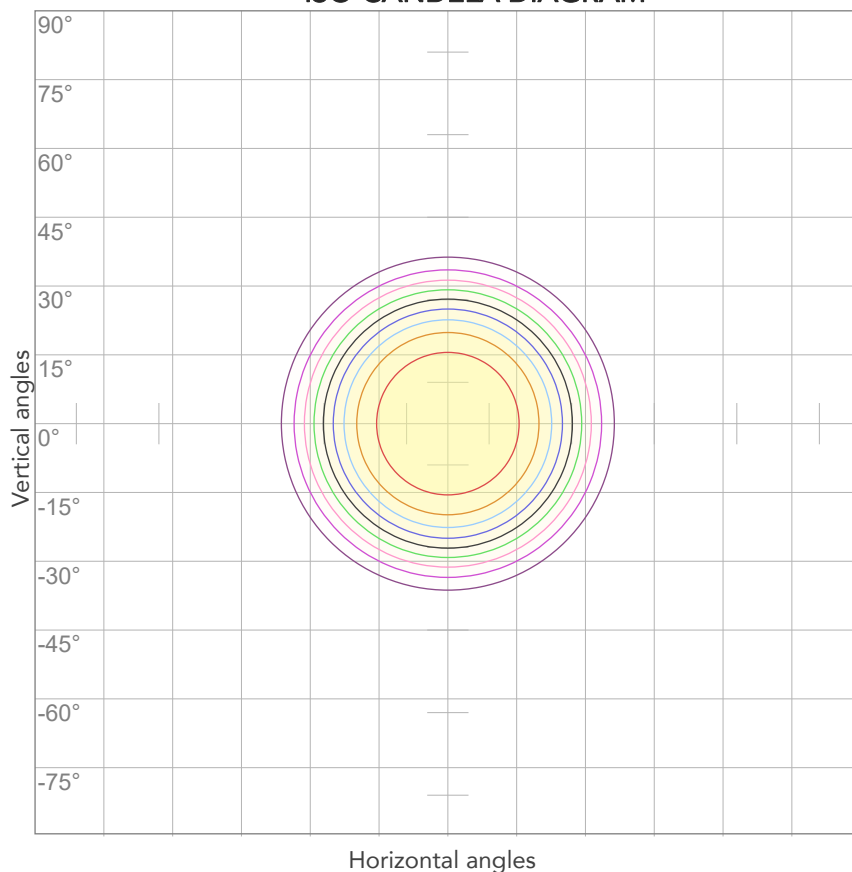


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,359A	77,9W	0,96	24lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



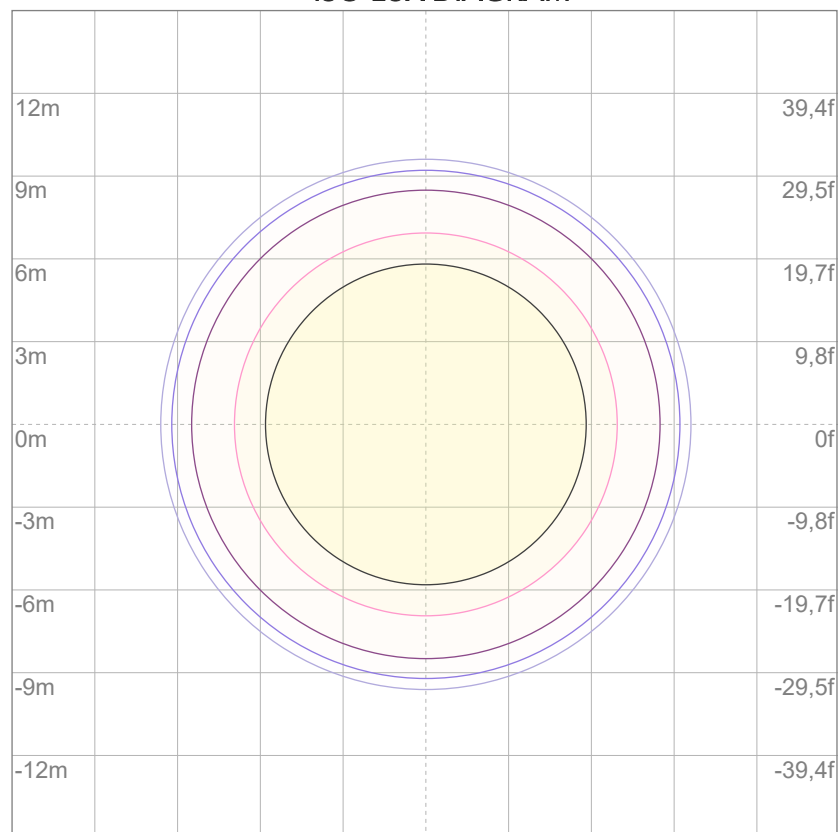
10%	214 cd
20%	428 cd
30%	641 cd
40%	855 cd
50%	1069 cd
60%	1283 cd
70%	1496 cd
80%	1710 cd

Conditions:

Number of c-planes: 2

Candela at center: 2138 cd

ISO LUX DIAGRAM



3%	0,641 lx
5%	1,07 lx
10%	2,14 lx
30%	6,41 lx
50%	10,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 21,4 lx

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



Total lumen output:

1450 lm

Peak candela output:

3834 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

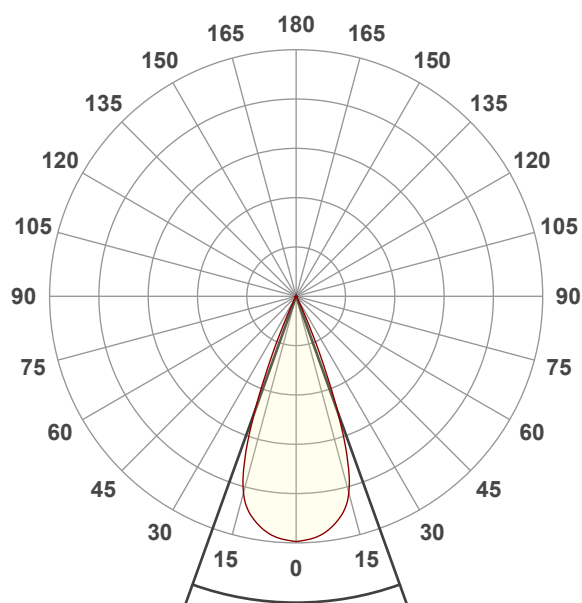
Amber - HQ - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 17:55:50

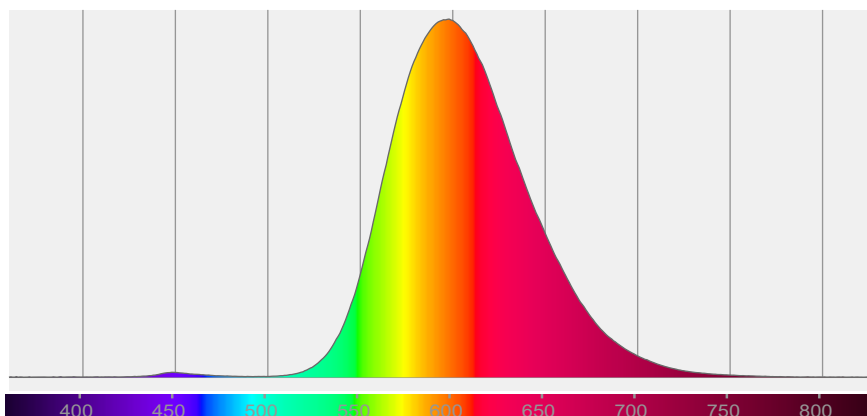


Beam angle 50%: 39,6°

Field angle 10%: 49,2°

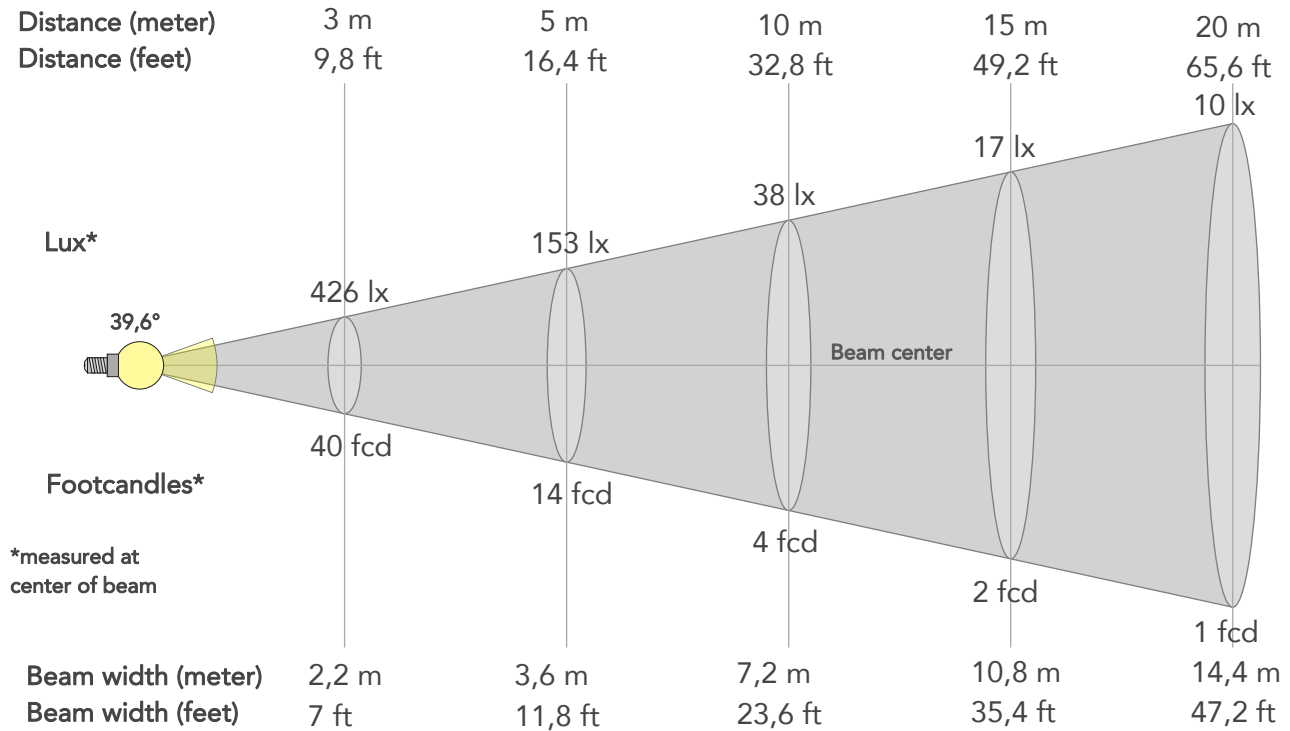
Cut off angle 2.5%: 54,4°

Spectra



BEAM DETAILS

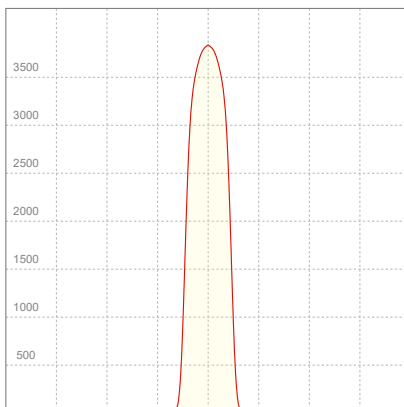
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,6°	49,2°	54,4°	99,1%	98,1%



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	3834lx	958lx	426lx	240lx	153lx	68lx	38lx	17lx	10lx	6lx	4lx	2lx	2lx
Footcand.	356fcd	89fcd	40fcd	22fcd	14fcd	6fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,4m	2,2m	2,9m	3,6m	5,4m	7,2m	10,8m	14,4m	18m	21,6m	28,8m	36m
Beam wid.	2,4ft	4,7ft	7ft	9,4ft	11,8ft	17,7ft	23,6ft	35,4ft	47,2ft	59ft	70,8ft	94,3ft	117,9ft

LINEAR DISTRIBUTION DIAGRAM

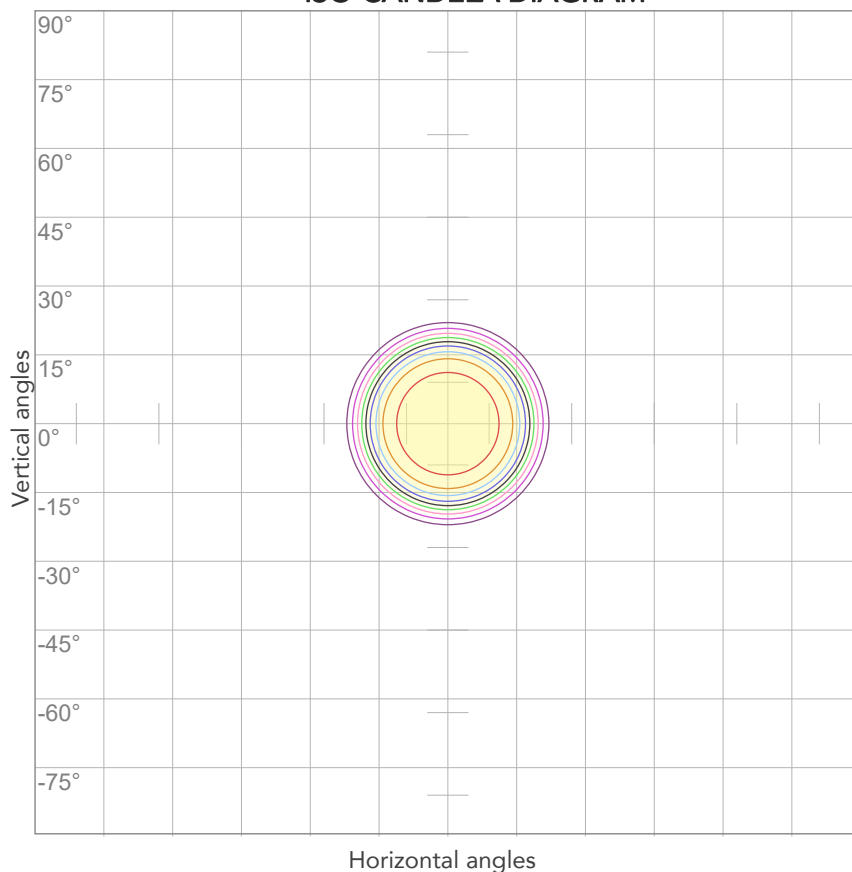


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,363A	78,2W	0,95	19lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



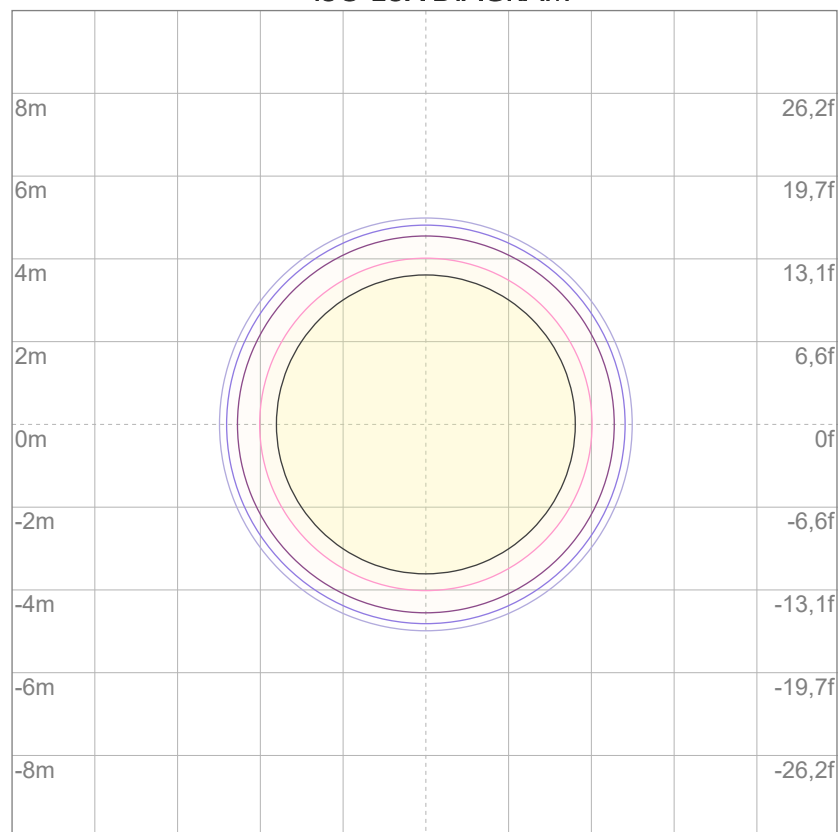
10%	383 cd
20%	767 cd
30%	1150 cd
40%	1533 cd
50%	1917 cd
60%	2300 cd
70%	2684 cd
80%	3067 cd

Conditions:

Number of c-planes: 2

Candela at center: 3834 cd

ISO LUX DIAGRAM



3%	1,15 lx
5%	1,92 lx
10%	3,83 lx
30%	11,5 lx
50%	19,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 38,3 lx

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



Total lumen output:

1031 lm

Peak candela output:

9260 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

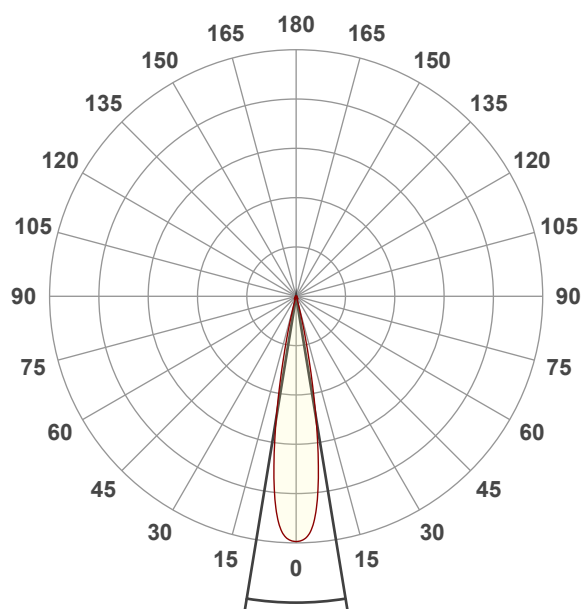
Amber - HQ - RAW Mode

Operator:

Salvatore Giglio

Date and time:

31/05/2024 09:31:54

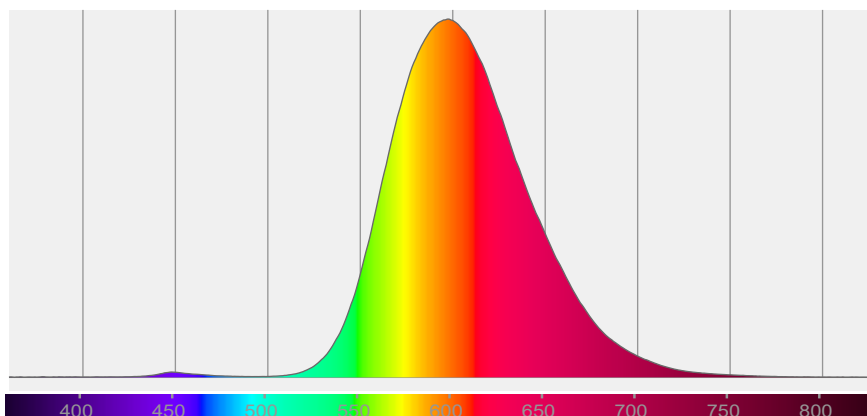


Beam angle 50%: 18,6°

Field angle 10%: 27,5°

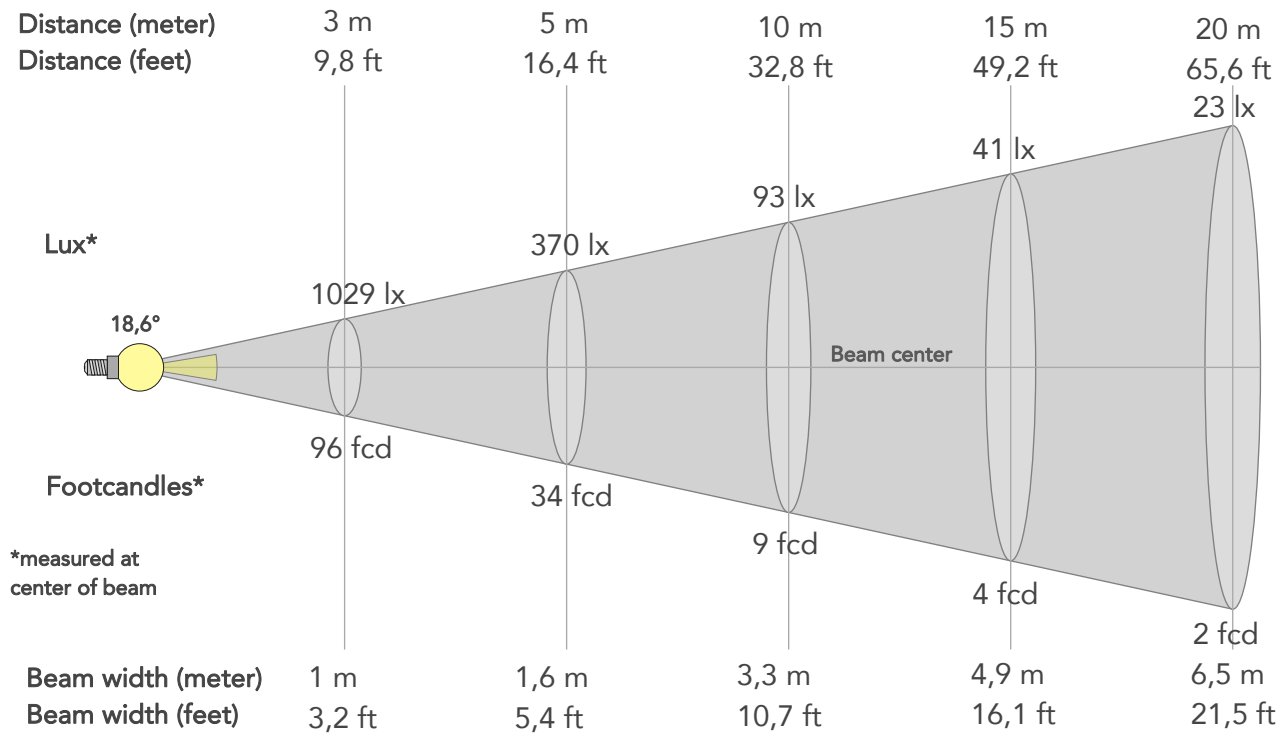
Cut off angle 2.5%: 32,2°

Spectra



BEAM DETAILS

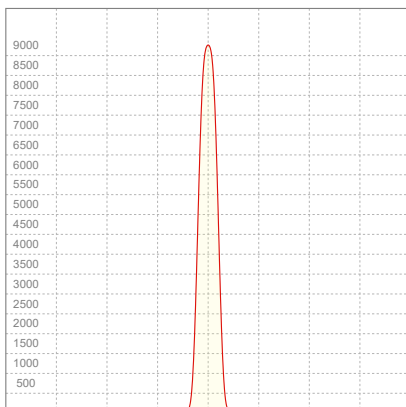
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,6°	27,5°	32,2°	98,8%	97,0%



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	9260lx	2315lx	1029lx	579lx	370lx	165lx	93lx	41lx	23lx	15lx	10lx	6lx	4lx
Footcand.	860fcd	215fcd	96fcd	54fcd	34fcd	15fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,6m	2,5m	3,3m	4,9m	6,5m	8,2m	9,8m	13,1m	16,4m
Beam wid.	1,1ft	2,2ft	3,2ft	4,3ft	5,4ft	8ft	10,7ft	16,1ft	21,5ft	26,8ft	32,2ft	42,9ft	53,6ft

LINEAR DISTRIBUTION DIAGRAM

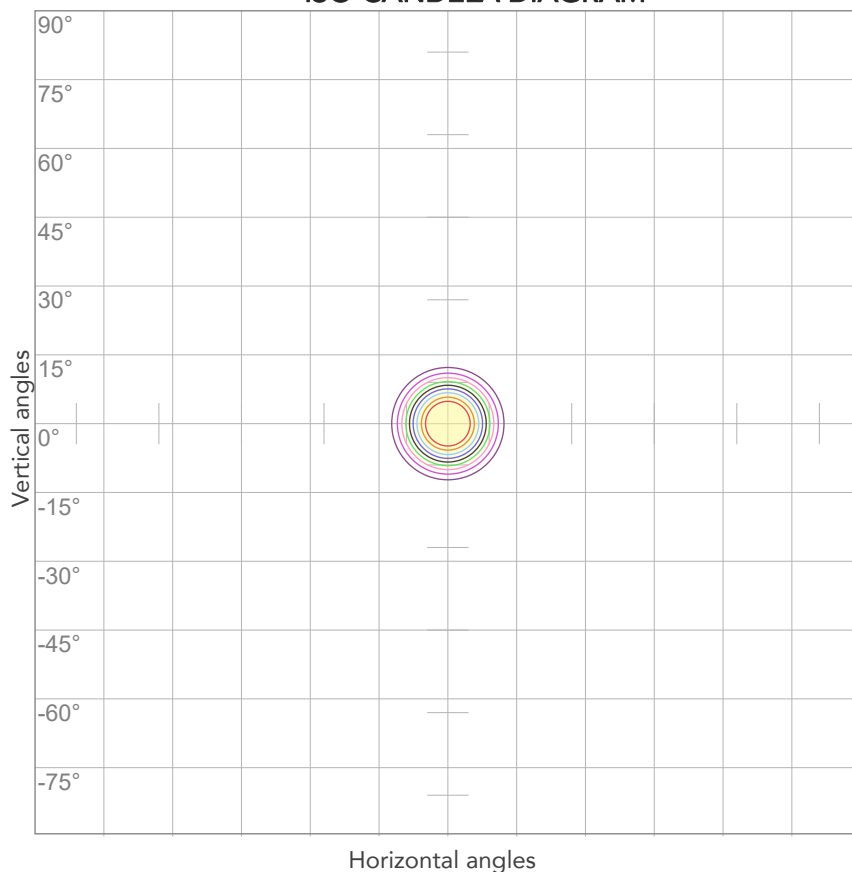


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,361A	78,2W	0,96	13lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



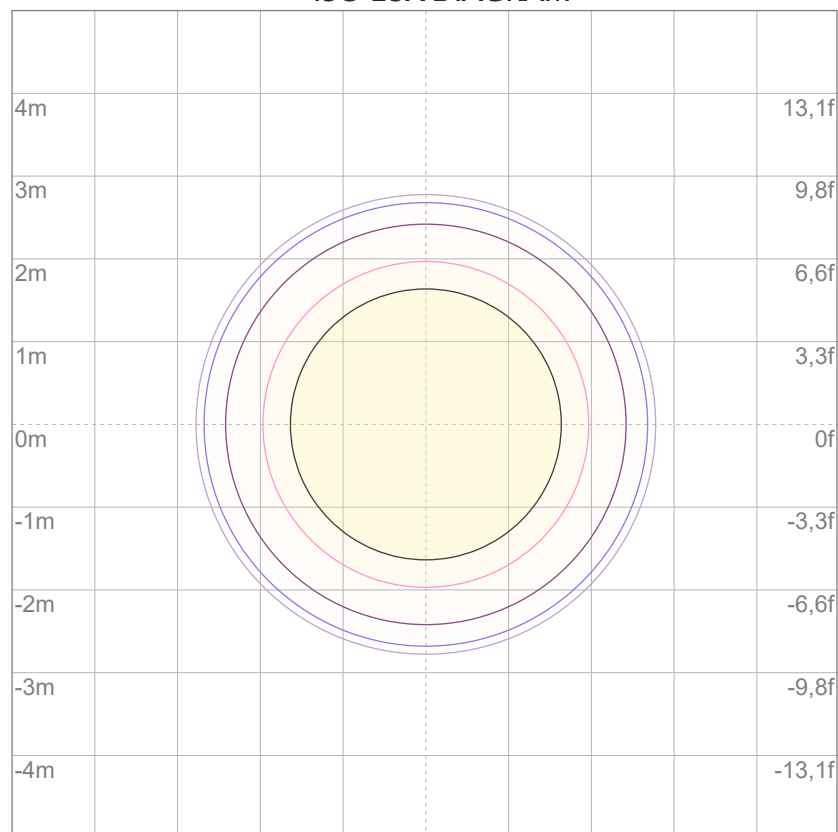
10%	926 cd
20%	1852 cd
30%	2778 cd
40%	3704 cd
50%	4630 cd
60%	5556 cd
70%	6482 cd
80%	7408 cd

Conditions:

Number of c-planes: 2

Candela at center: 9260 cd

ISO LUX DIAGRAM



3%	2,78 lx
5%	4,63 lx
10%	9,26 lx
30%	27,8 lx
50%	46,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 92,6 lx

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



Total lumen output:

4548 lm

Peak candela output:

5197 cd

Light quality:

CRI: 96,3

Color temperature:

2816 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

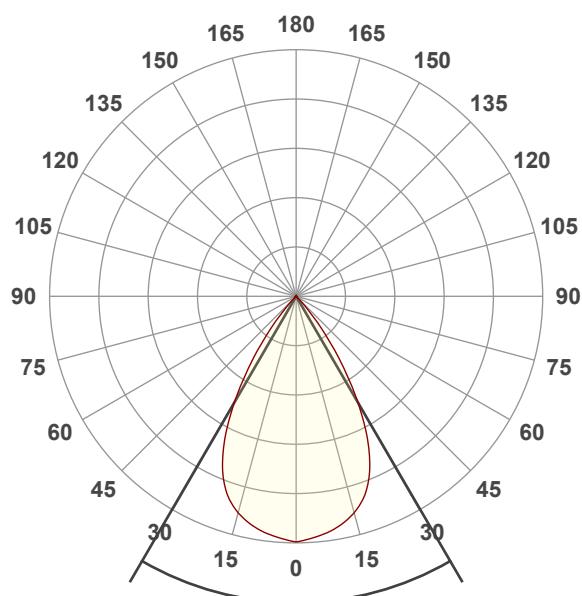
2800K - HQ

Operator:

Salvatore Giglio

Date and time:

31/05/2024 08:56:02

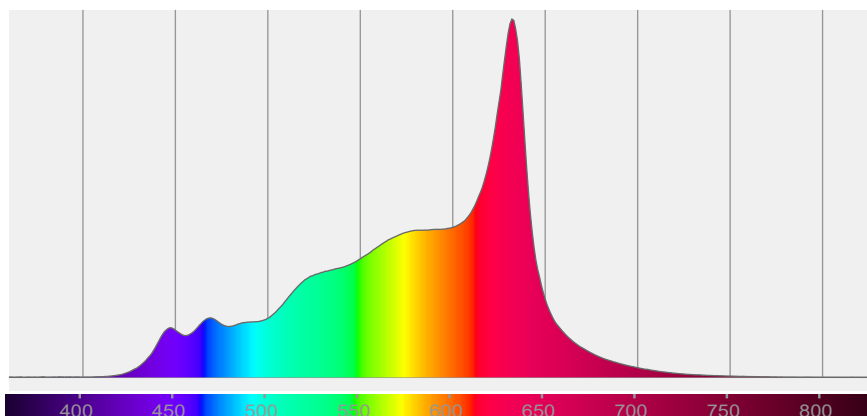


Beam angle 50%: 60,4°

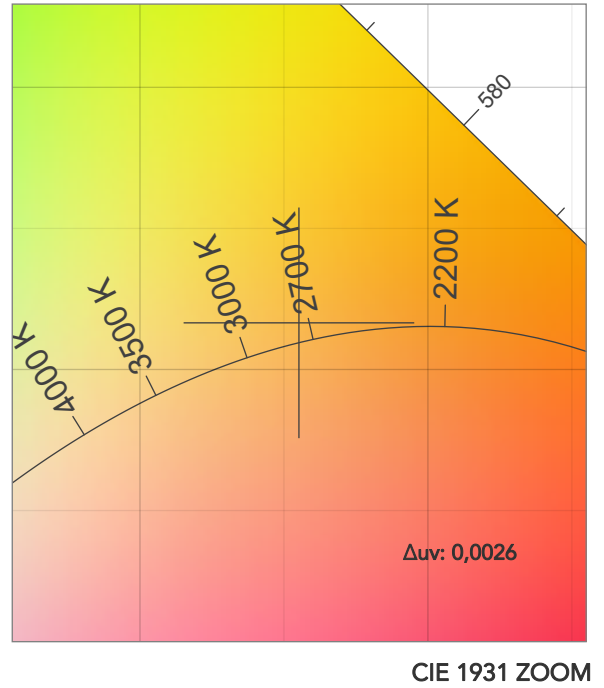
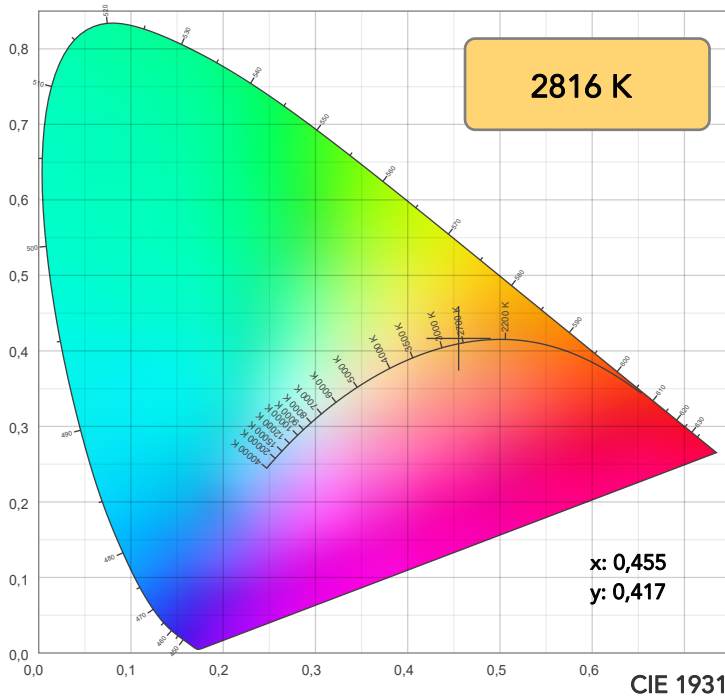
Field angle 10%: 81,1°

Cut off angle 2.5%: 88,9°

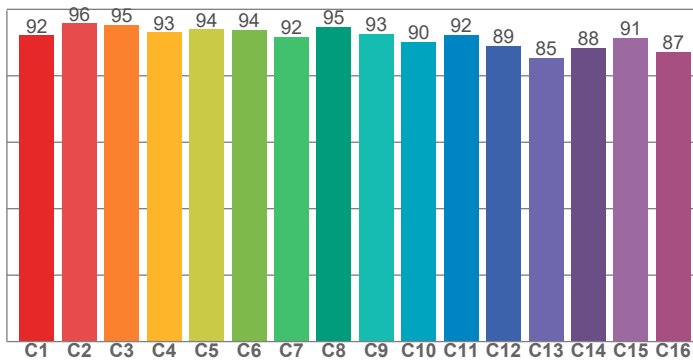
Spectra



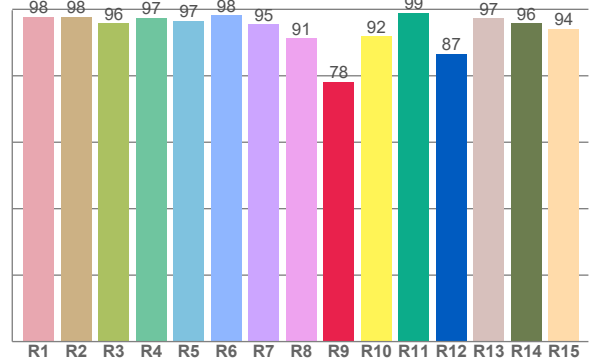
COLOR DETAILS



TM30: 92,0



CRI: 96,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,8	97,8	95,8	97,5	96,5	98,2	95,5	91,3	78,2	91,9	99,0	86,6	97,3	95,8	94,1

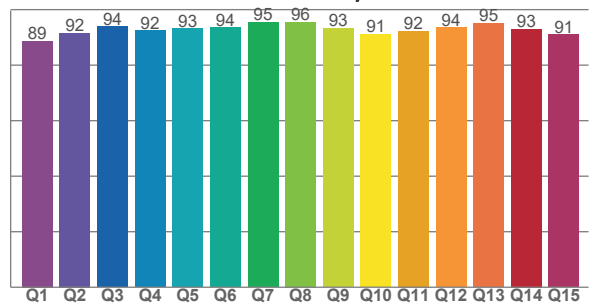
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,2	95,8	95,2	93,1	94,0	93,8	91,7	94,8	92,7	90,2	92,3	88,9	85,5	88,5	91,5	87,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88,6	91,5	94,0	92,5	93,2	93,5	95,4	95,6	93,3	91,1	92,3	93,6	95,1	93,0	91,1

CQS: 92,6



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2816 K	96,3	78,2	92,0	97,1	92,6	85	0,455	0,417	0,0026

TM30 DETAILS

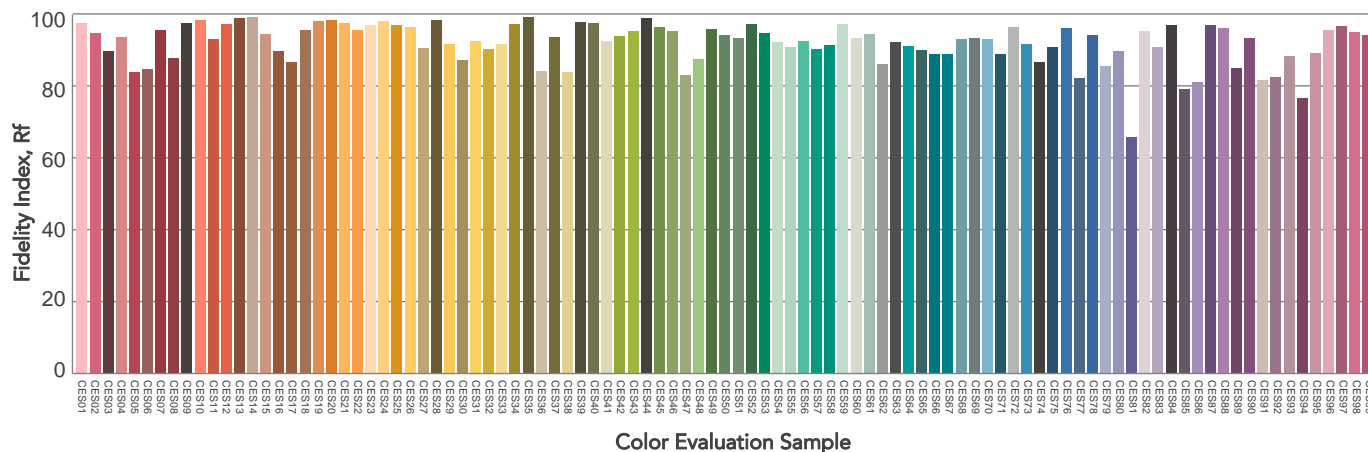
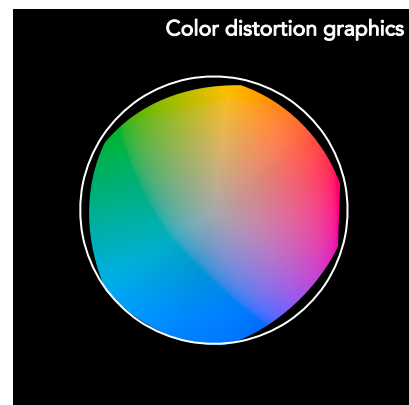
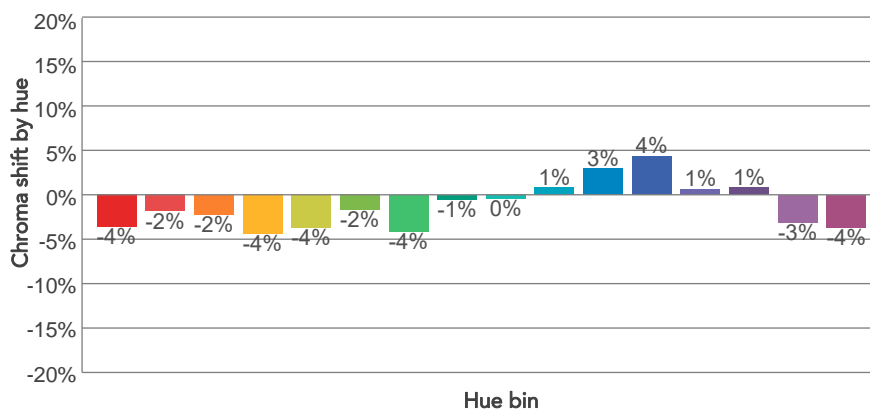
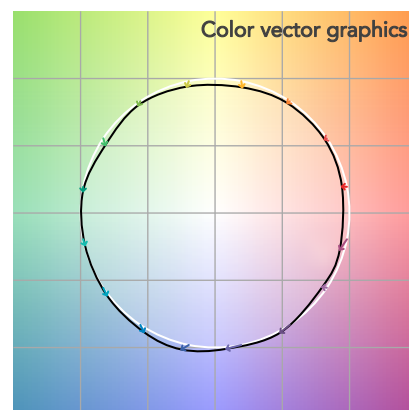
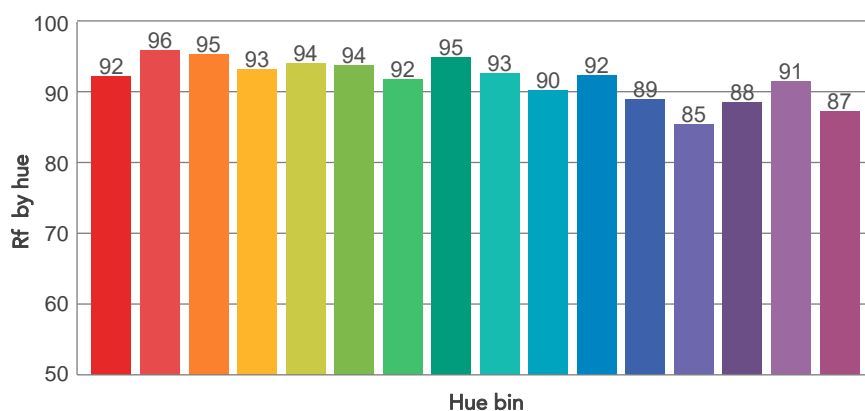
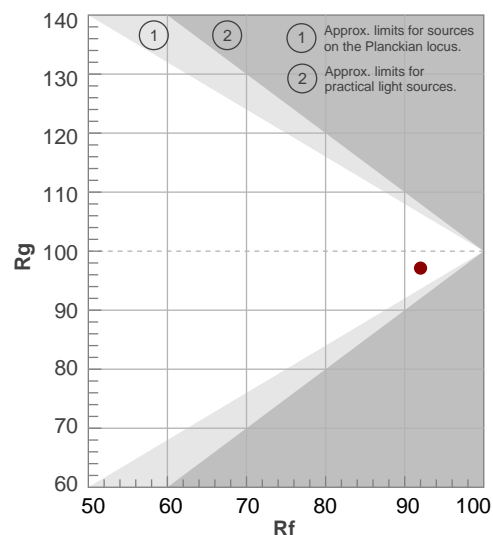
Rf 92,0

Fidelity index Rf

Rg 97,1

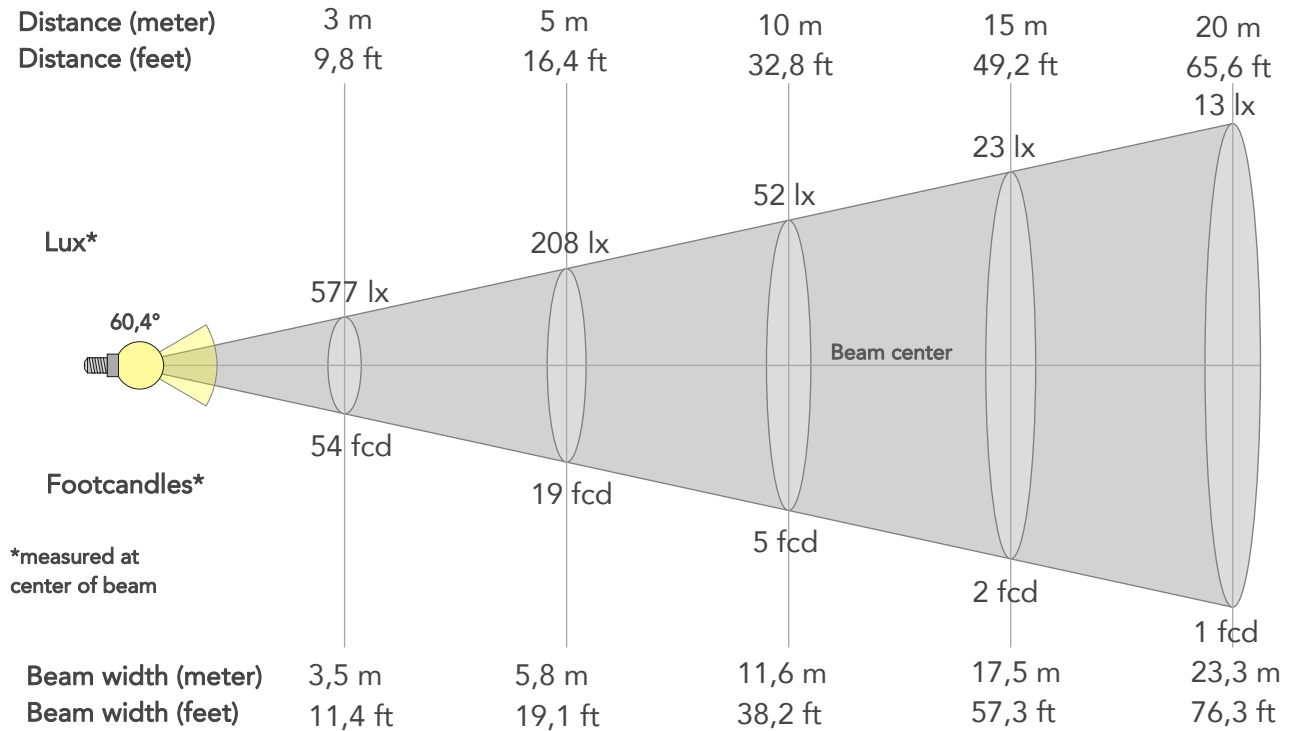
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	92	-4%	1%
2	96	-2%	0%
3	95	-2%	1%
4	93	-4%	-2%
5	94	-4%	2%
6	94	-2%	3%
7	92	-4%	3%
8	95	-1%	3%
9	93	0%	5%
10	90	1%	6%
11	92	3%	5%
12	89	4%	-5%
13	85	1%	-11%
14	88	1%	-9%
15	91	-3%	-2%
16	87	-4%	-9%



BEAM DETAILS

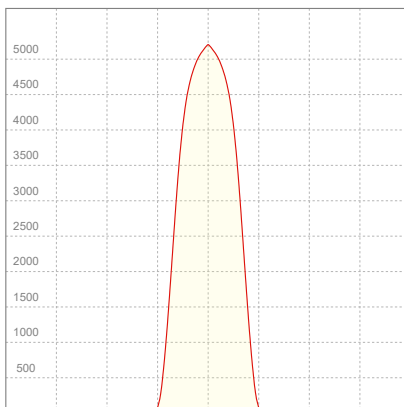
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
60,4°	81,1°	88,9°	99,5%	99,1%



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	5197lx	1299lx	577lx	325lx	208lx	92lx	52lx	23lx	13lx	8lx	6lx	3lx	2lx
Footcand.	483fcd	121fcd	54fcd	30fcd	19fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,2m	2,3m	3,5m	4,7m	5,8m	8,7m	11,6m	17,5m	23,3m	29,1m	34,9m	46,6m	58,2m
Beam wid.	3,8ft	7,7ft	11,4ft	15,2ft	19,1ft	28,6ft	38,2ft	57,3ft	76,3ft	95,4ft	114,5ft	152,7ft	190,9ft

LINEAR DISTRIBUTION DIAGRAM

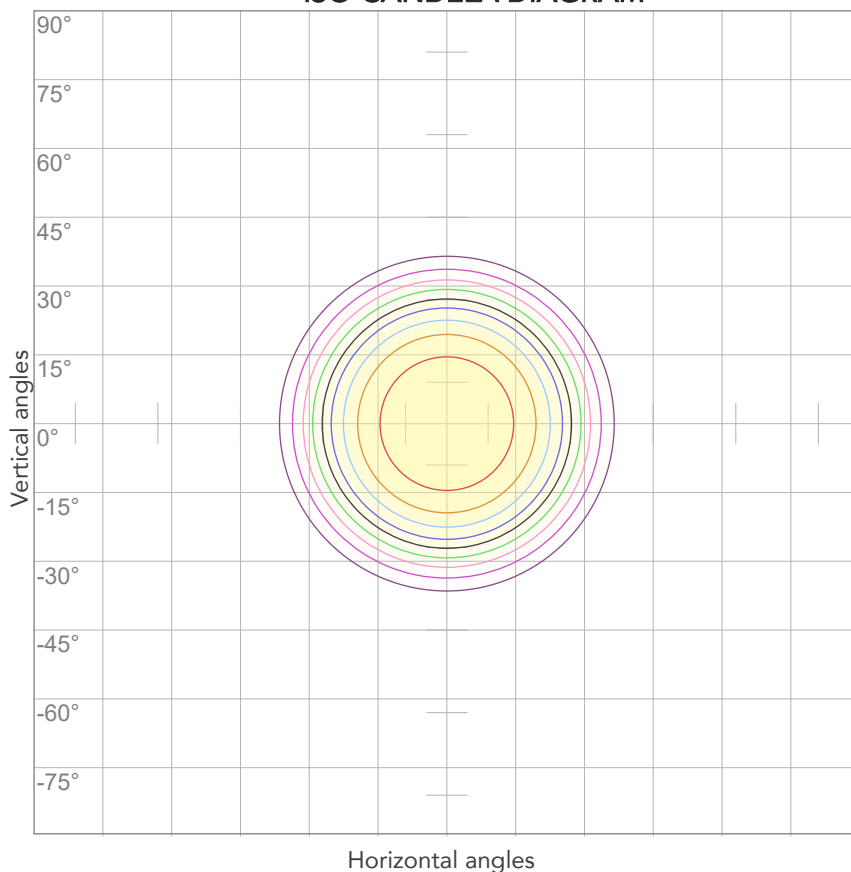


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,673A	148,3W	0,99	31lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



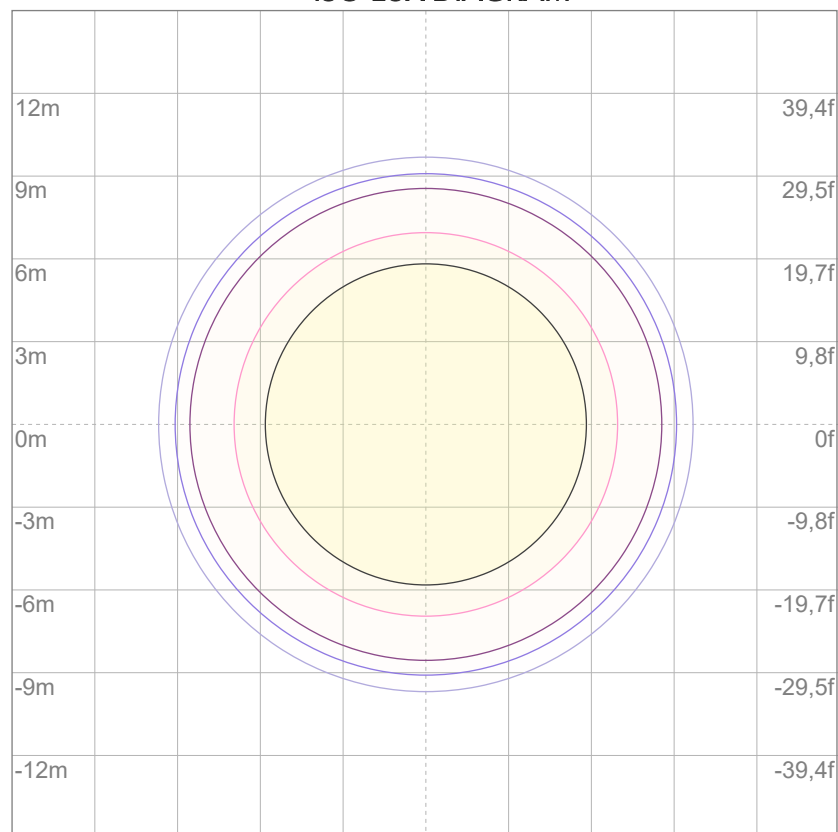
10%	520 cd
20%	1039 cd
30%	1559 cd
40%	2079 cd
50%	2598 cd
60%	3118 cd
70%	3638 cd
80%	4157 cd

Conditions:

Number of c-planes: 2

Candela at center: 5197 cd

ISO LUX DIAGRAM



3%	1,56 lx
5%	2,60 lx
10%	5,20 lx
30%	15,6 lx
50%	26,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 52,0 lx

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



Total lumen output:

3475 lm

Peak candela output:

9261 cd

Light quality:

CRI: 97,0

Color temperature:

2808 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

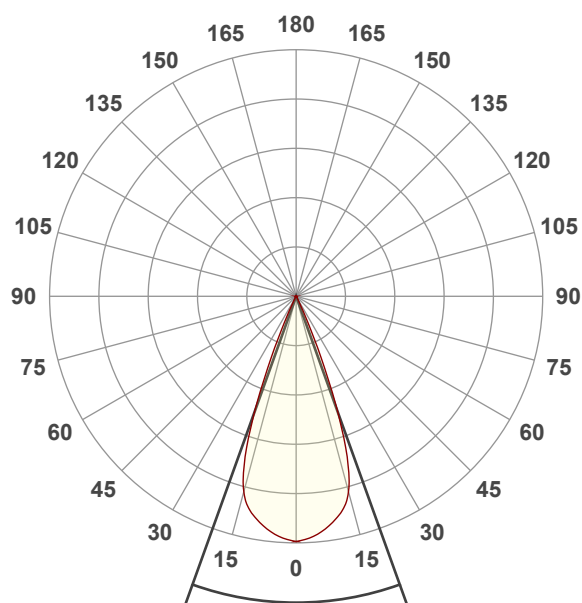
2800K- HQ

Operator:

Salvatore Giglio

Date and time:

30/05/2024 18:06:10

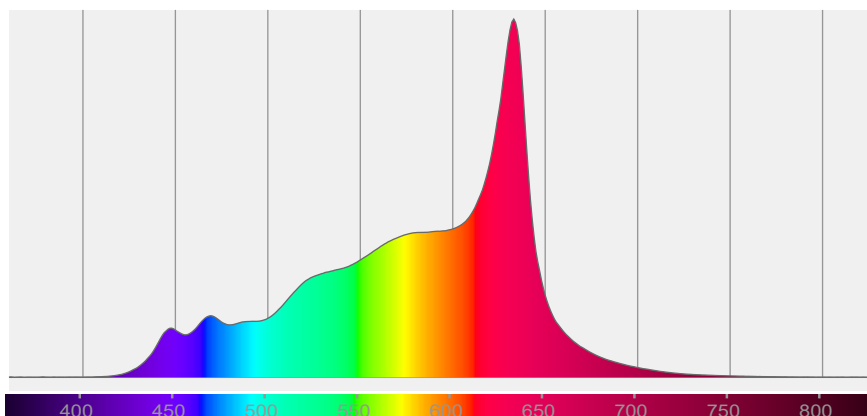


Beam angle 50%: 39,5°

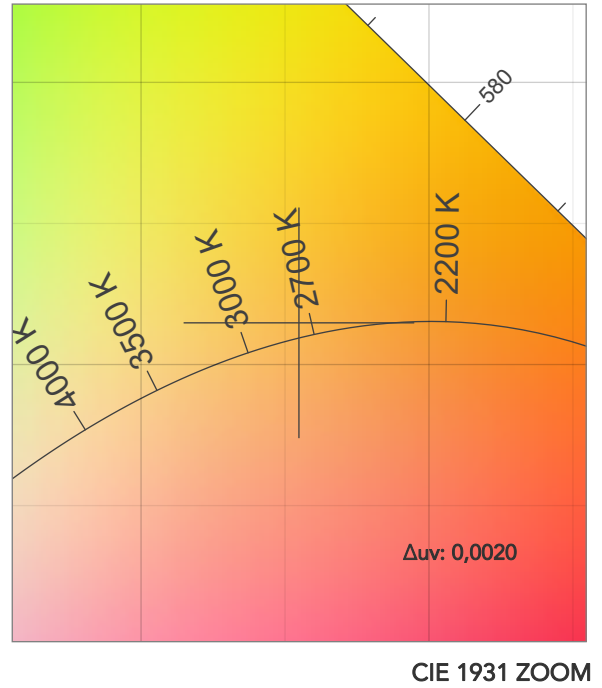
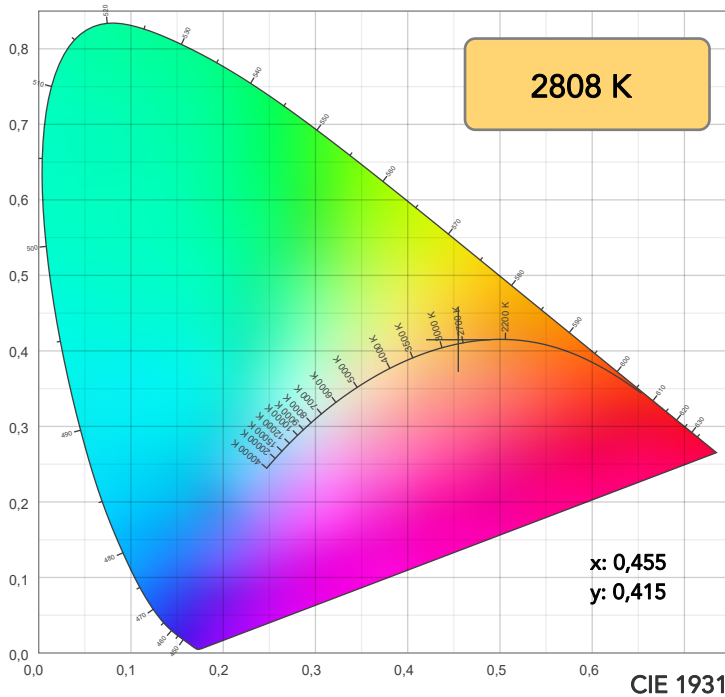
Field angle 10%: 49,2°

Cut off angle 2.5%: 54,3°

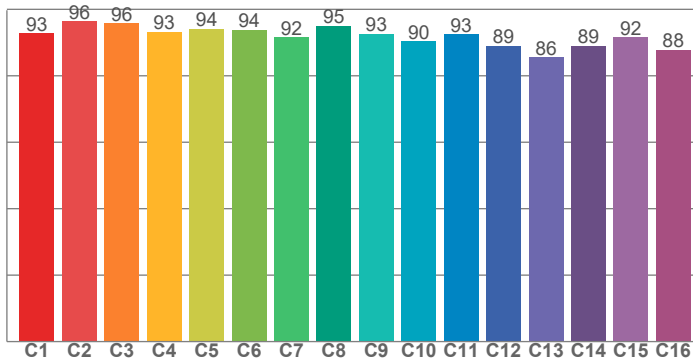
Spectra



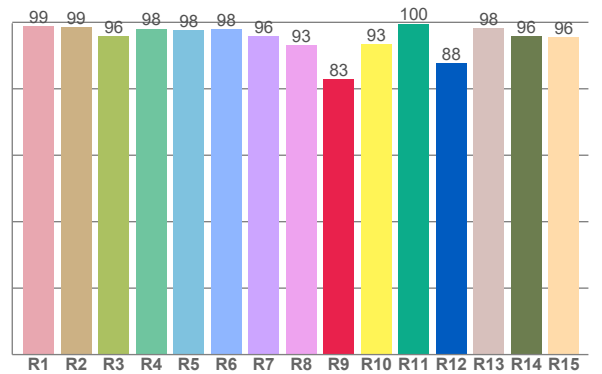
COLOR DETAILS



TM30: 92,3



CRI: 97,0 (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
98,8	98,5	95,9	98,1	97,5	97,9	95,9	93,2	82,9	93,5	99,6	87,7	98,3	95,8	95,6

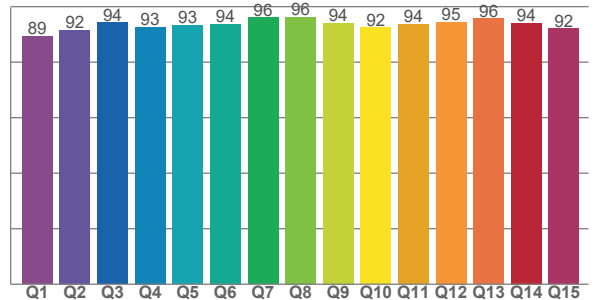
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,7	96,3	95,8	93,2	94,1	93,9	91,6	95,0	92,6	90,4	92,5	89,0	85,6	89,0	91,5	87,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
89,3	91,6	94,2	92,7	93,3	93,8	96,1	96,3	94,1	92,4	93,6	94,5	95,8	94,2	92,0

CQS: 93,3



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2808 K	97,0	82,9	92,3	97,5	93,3	86	0,455	0,415	0,0020

TM30 DETAILS

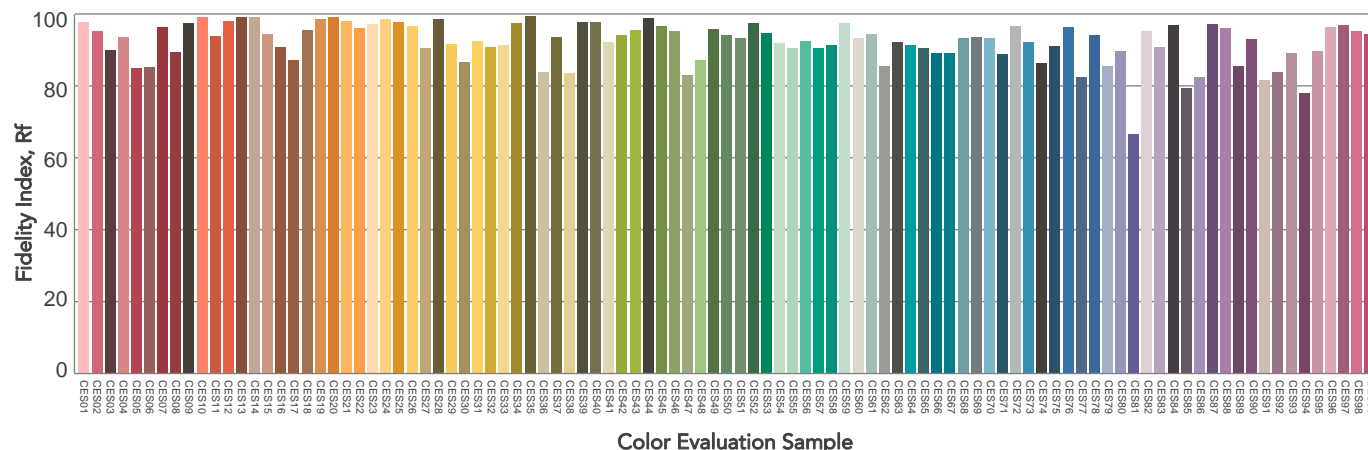
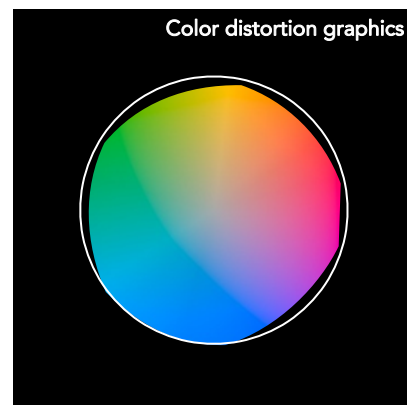
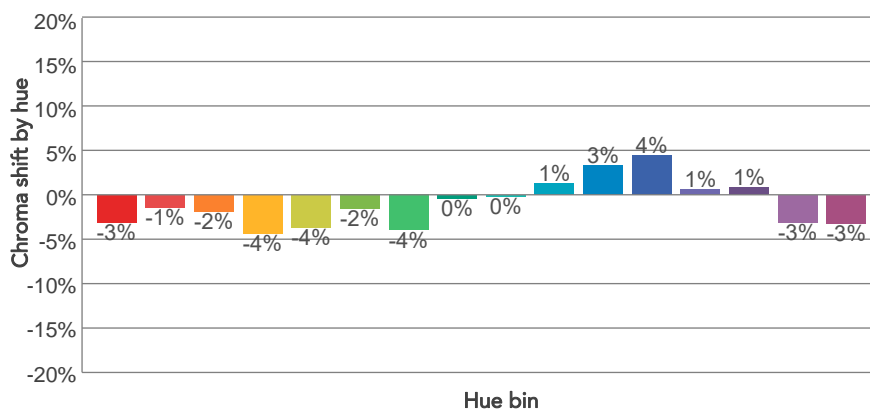
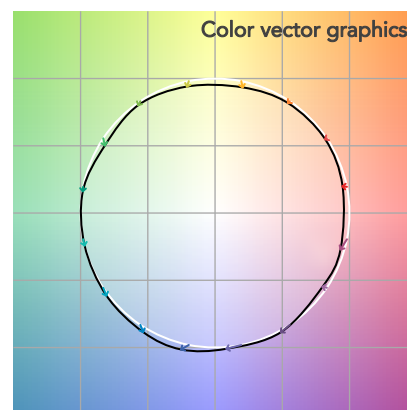
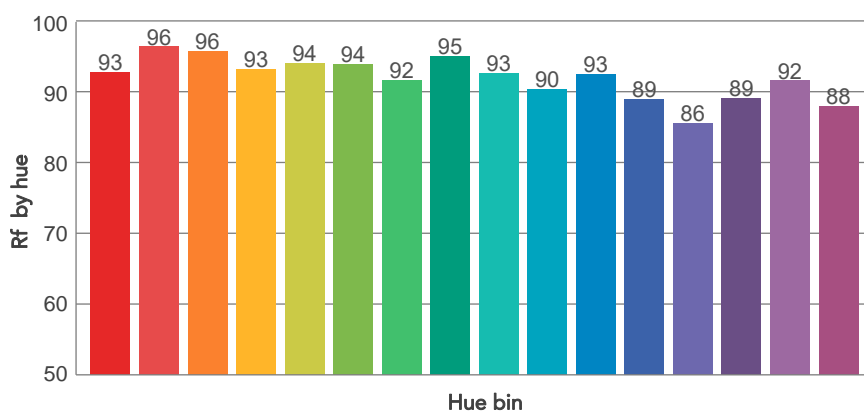
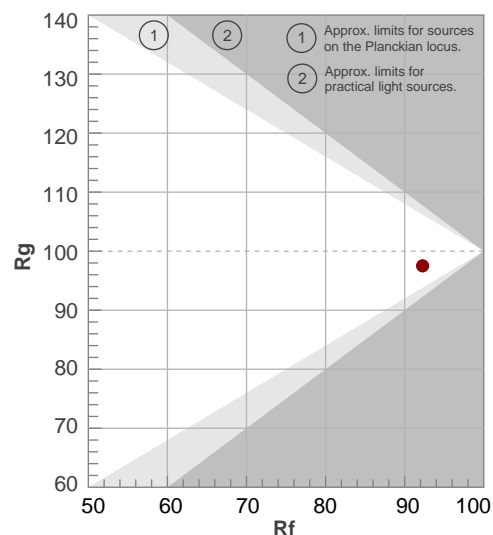
Rf 92,3

Fidelity index Rf

Rg 97,5

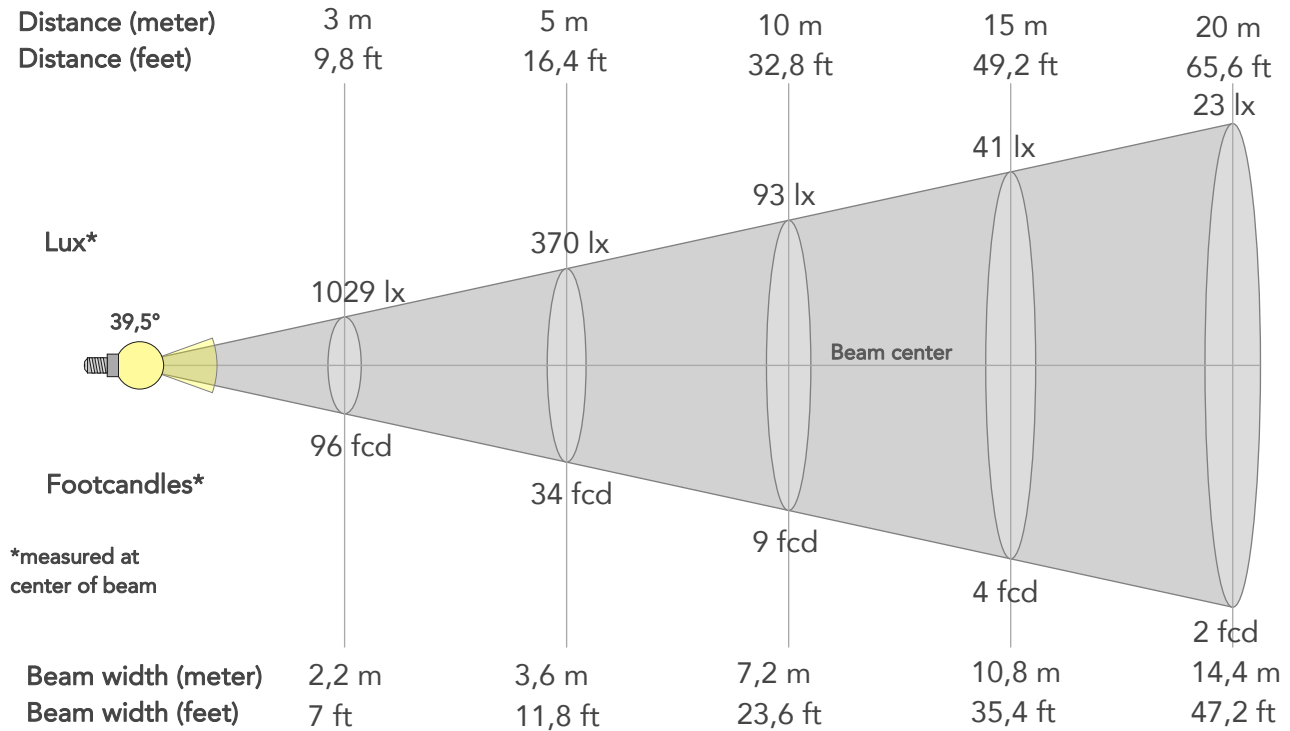
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	1%
2	96	-1%	0%
3	96	-2%	0%
4	93	-4%	-2%
5	94	-4%	2%
6	94	-2%	3%
7	92	-4%	4%
8	95	0%	3%
9	93	0%	5%
10	90	1%	6%
11	93	3%	5%
12	89	4%	-5%
13	86	1%	-11%
14	89	1%	-9%
15	92	-3%	-1%
16	88	-3%	-8%



BEAM DETAILS

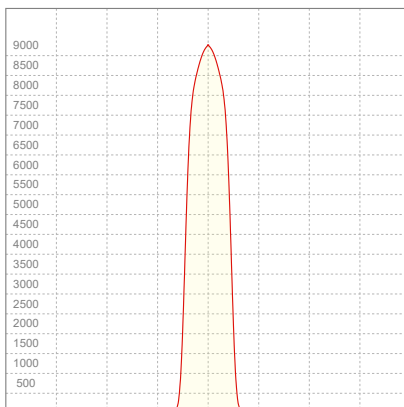
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,5°	49,2°	54,3°	99,1%	98,0%



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	9261lx	2315lx	1029lx	579lx	370lx	165lx	93lx	41lx	23lx	15lx	10lx	6lx	4lx
Footcand.	860fcd	215fcd	96fcd	54fcd	34fcd	15fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,7m	1,4m	2,2m	2,9m	3,6m	5,4m	7,2m	10,8m	14,4m	18m	21,6m	28,8m	36m
Beam wid.	2,4ft	4,7ft	7ft	9,4ft	11,8ft	17,7ft	23,6ft	35,4ft	47,2ft	59ft	70,8ft	94,3ft	117,9ft

LINEAR DISTRIBUTION DIAGRAM

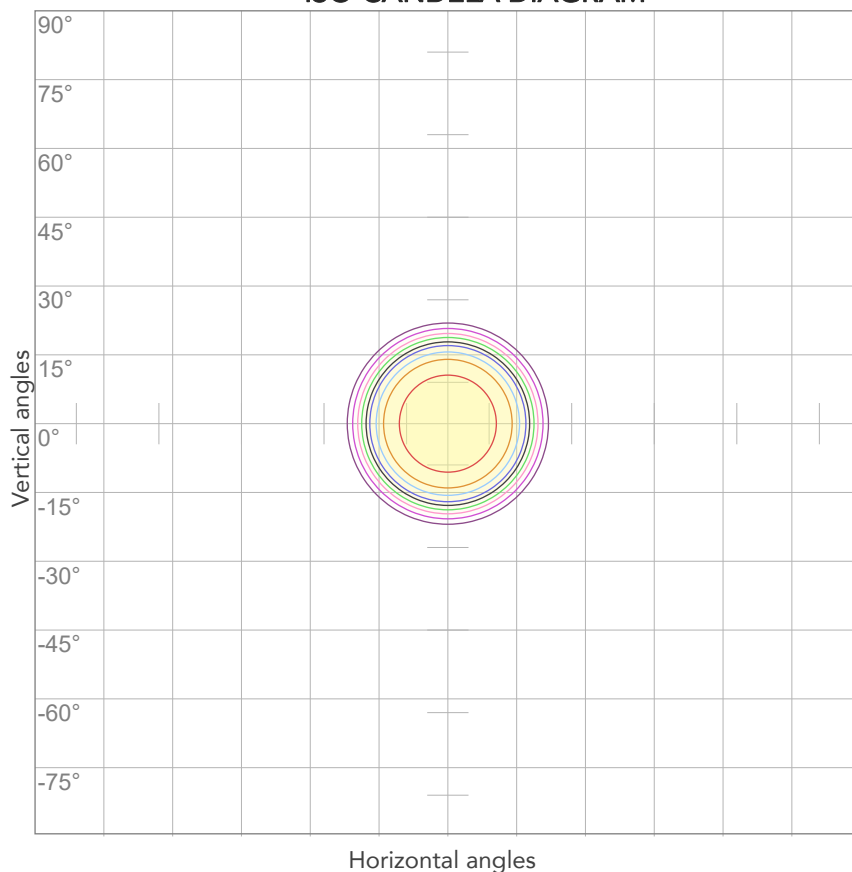


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,674A	149,3W	0,98	23lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



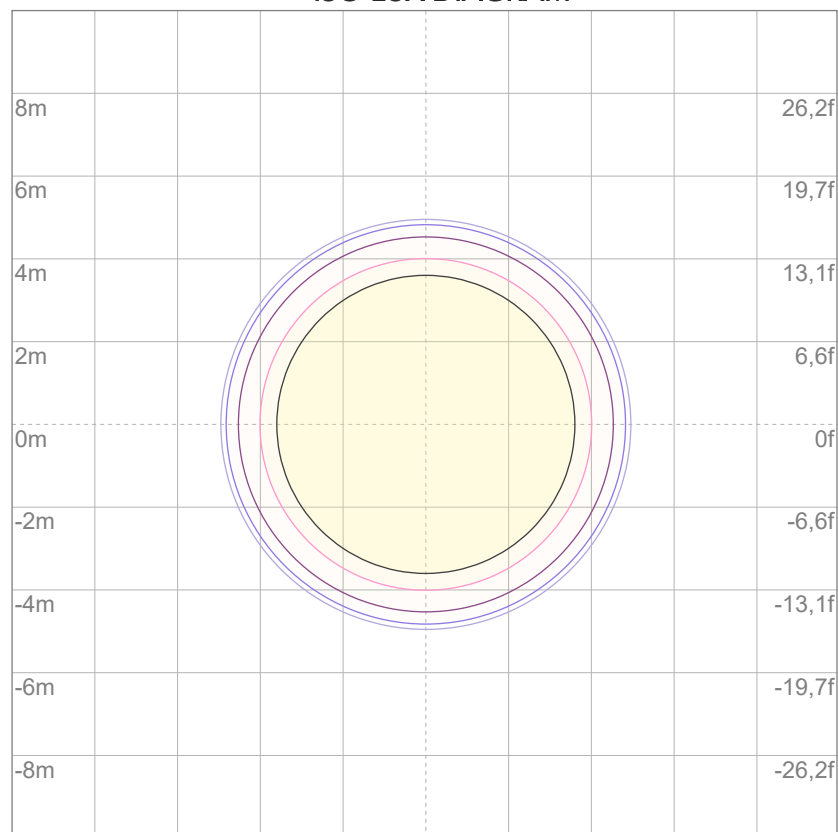
10%	926 cd
20%	1852 cd
30%	2778 cd
40%	3704 cd
50%	4631 cd
60%	5557 cd
70%	6483 cd
80%	7409 cd

Conditions:

Number of c-planes: 2

Candela at center: 9261 cd

ISO LUX DIAGRAM



3%	2,78 lx
5%	4,63 lx
10%	9,26 lx
30%	27,8 lx
50%	46,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 92,6 lx

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



Total lumen output:

2444 lm

Peak candela output:

22345 cd

Light quality:

CRI: 97,3

Color temperature:

2888 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

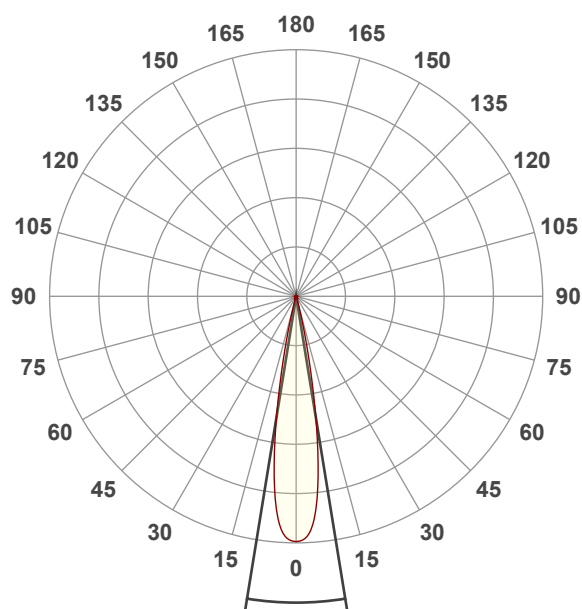
2800K - HQ

Operator:

Salvatore Giglio

Date and time:

31/05/2024 09:19:53

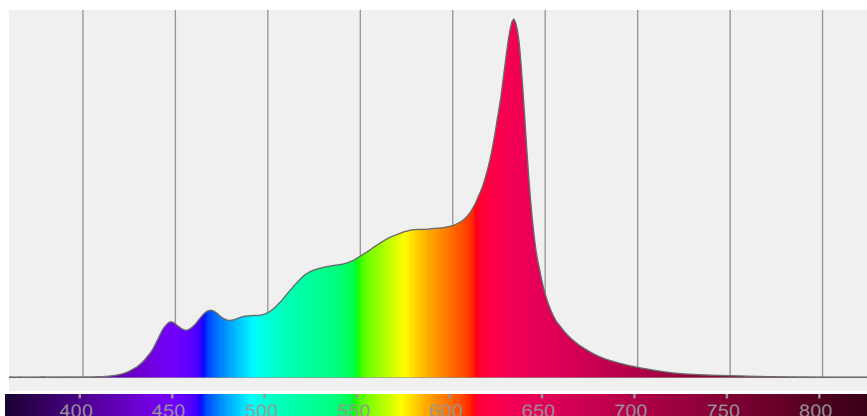


Beam angle 50%: 18,5°

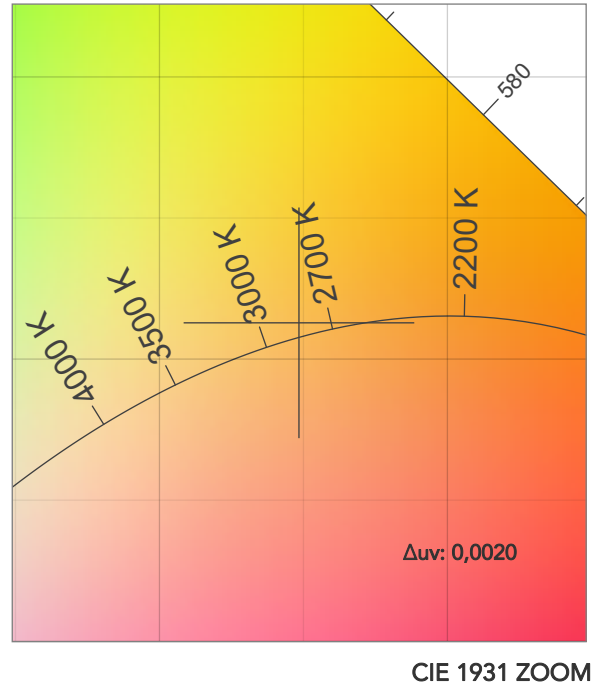
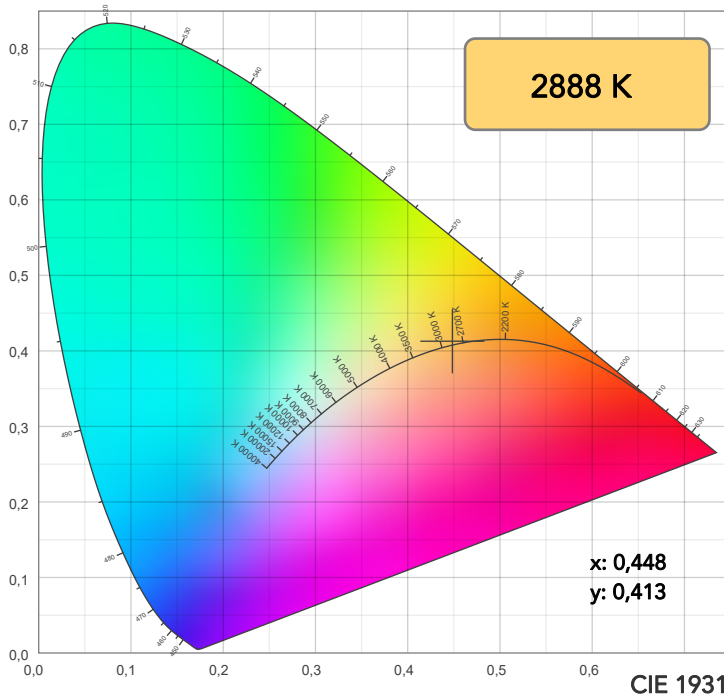
Field angle 10%: 27,5°

Cut off angle 2.5%: 32,2°

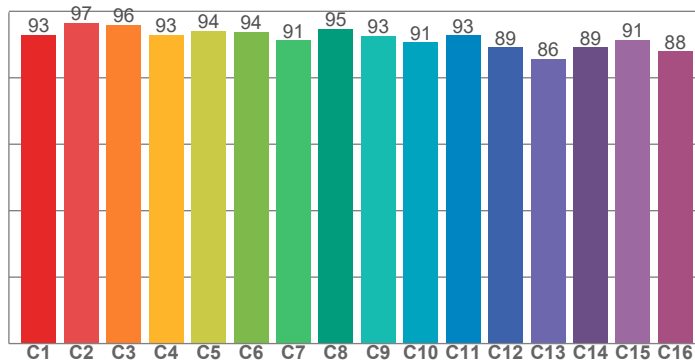
Spectra



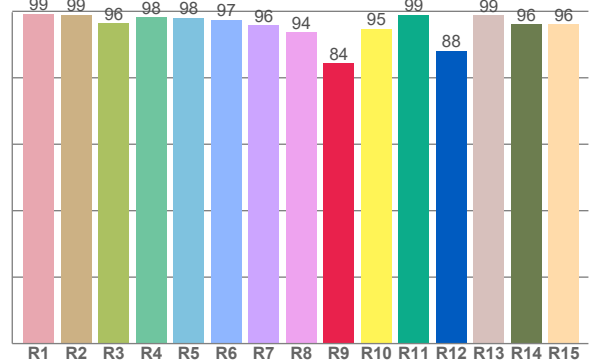
COLOR DETAILS



TM30: 92,3



CRI: 97,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,3	99,0	96,4	98,3	98,0	97,4	95,9	93,7	84,3	94,7	99,0	88,1	98,9	96,2	96,1

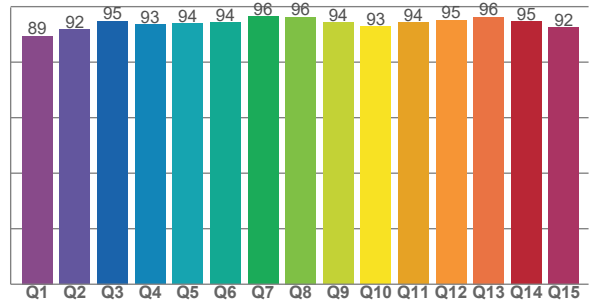
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,0	96,6	96,0	92,9	94,2	93,9	91,3	94,8	92,6	90,7	92,7	89,1	85,7	89,1	91,5	88,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
89,5	91,8	94,9	93,5	93,9	94,2	96,5	96,3	94,3	92,8	94,3	95,1	96,3	94,7	92,4

CQS: 93,6



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
2888 K	97,3	84,3	92,3	97,6	93,6	87	0,448	0,413	0,0020

TM30 DETAILS

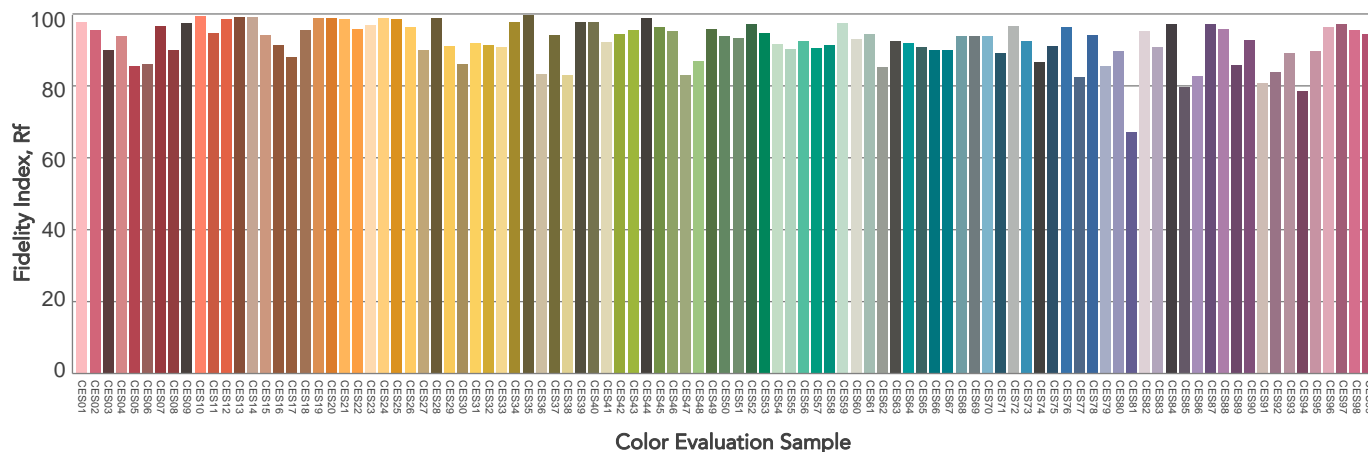
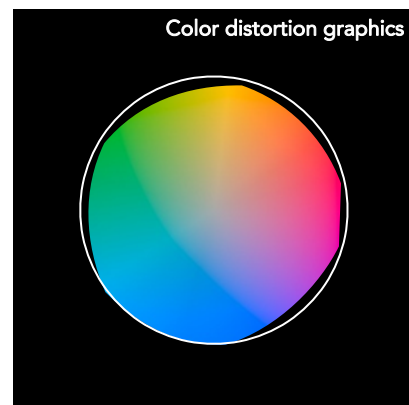
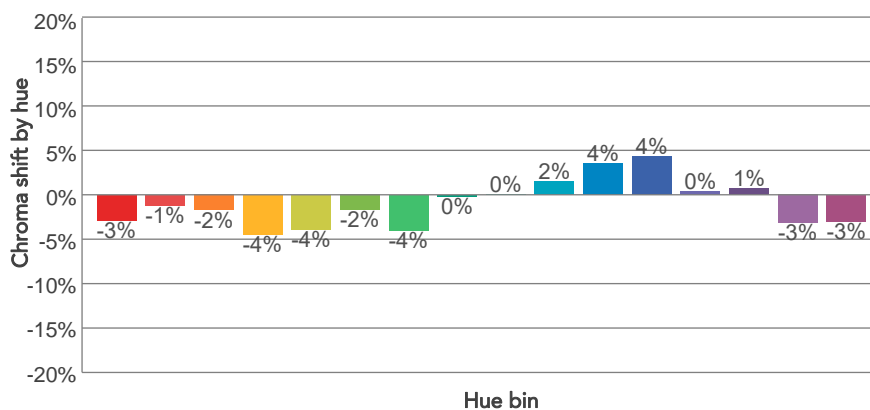
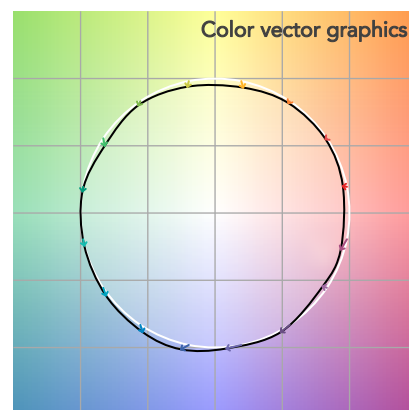
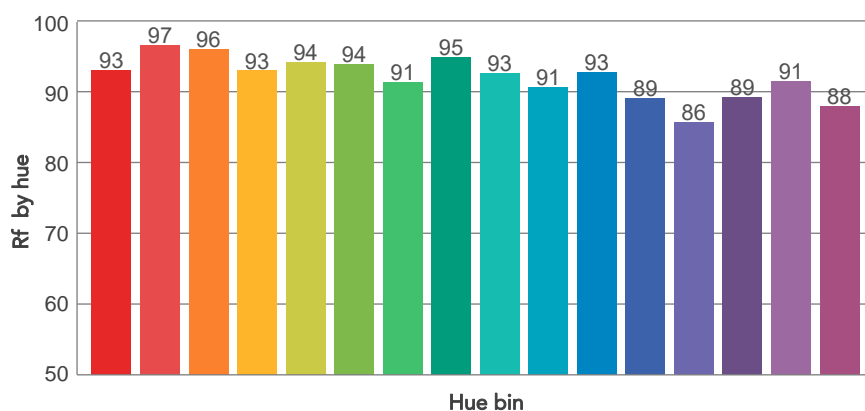
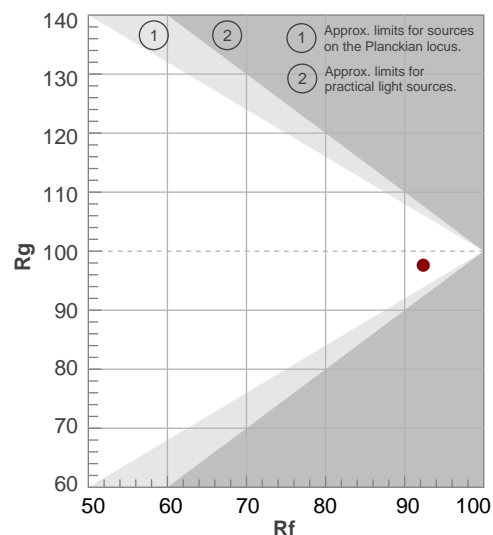
Rf 92,3

Fidelity index Rf

Rg 97,6

Gammut index

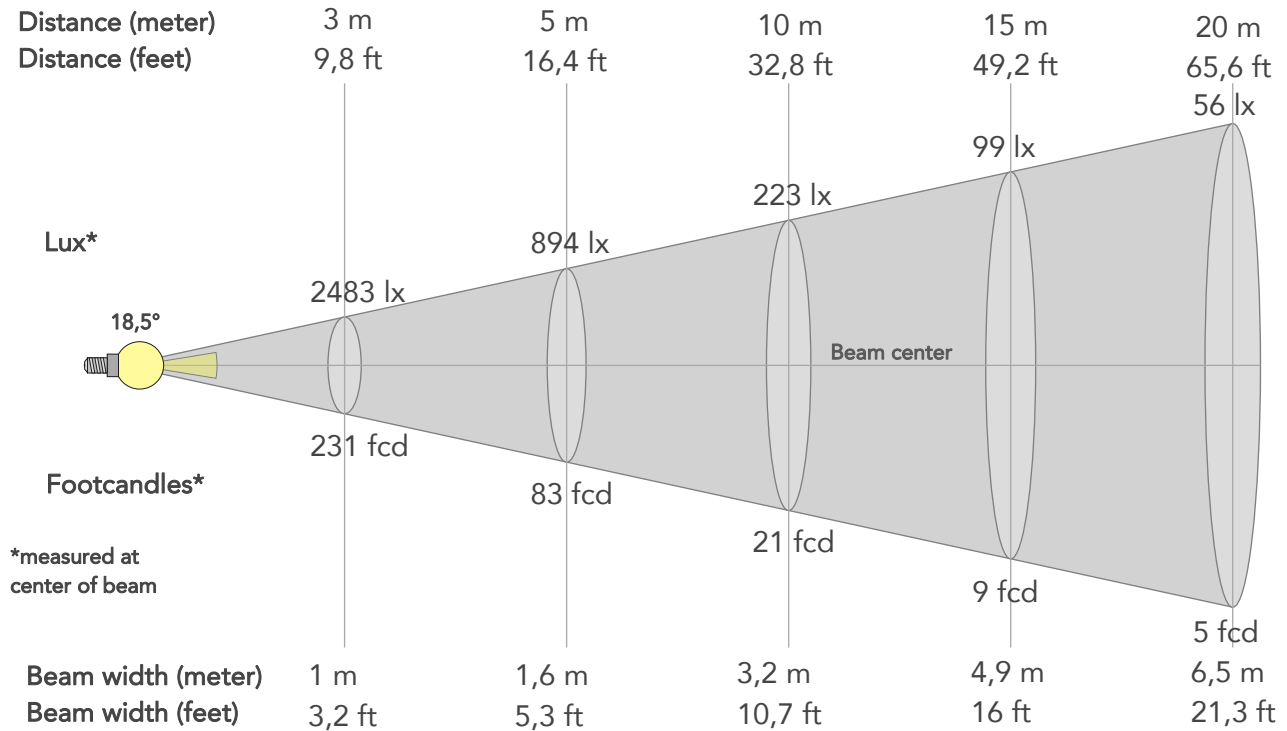
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	1%
2	97	-1%	0%
3	96	-2%	0%
4	93	-4%	-2%
5	94	-4%	2%
6	94	-2%	3%
7	91	-4%	4%
8	95	0%	3%
9	93	0%	5%
10	91	2%	6%
11	93	4%	4%
12	89	4%	-5%
13	86	0%	-11%
14	89	1%	-9%
15	91	-3%	-1%
16	88	-3%	-8%



BEAM DETAILS



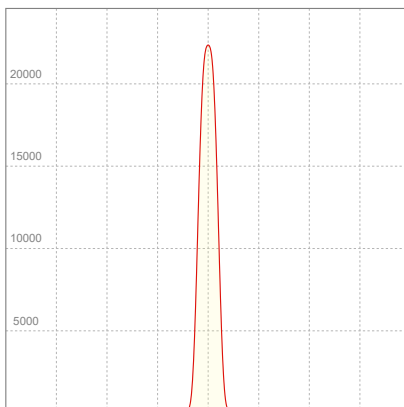
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,5°	27,5°	32,2°	99,3%	97,6%



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	22345lx	5586lx	2483lx	1397lx	894lx	397lx	223lx	99lx	56lx	36lx	25lx	14lx	9lx
Footcand.	2076fcd	519fcd	231fcd	130fcd	83fcd	37fcd	21fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,3m	0,6m	1m	1,3m	1,6m	2,4m	3,2m	4,9m	6,5m	8,1m	9,7m	13m	16,2m
Beam wid.	1,1ft	2,1ft	3,2ft	4,3ft	5,3ft	8ft	10,7ft	16ft	21,3ft	26,6ft	32ft	42,6ft	53,3ft

LINEAR DISTRIBUTION DIAGRAM

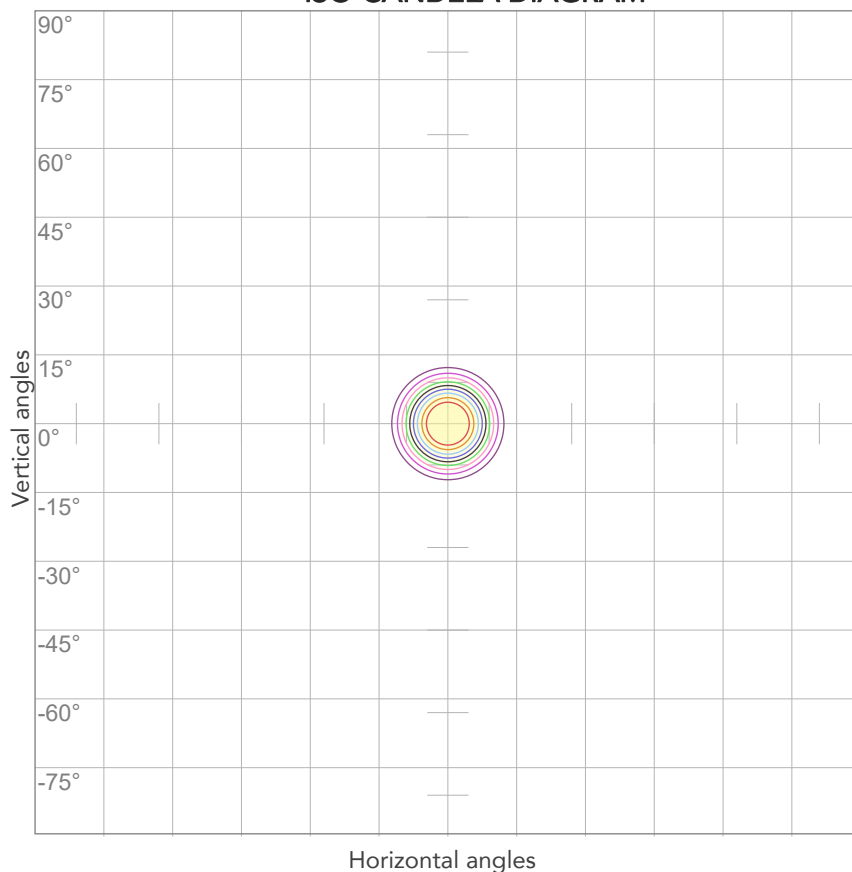


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,681A	150,7W	0,98	16lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



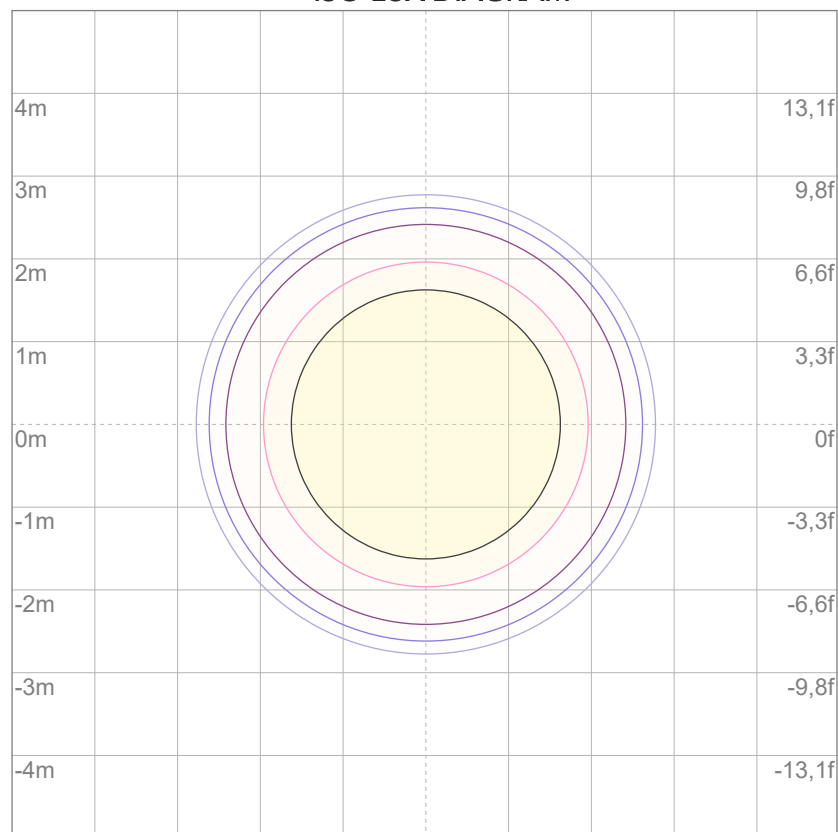
10%	2235 cd
20%	4469 cd
30%	6704 cd
40%	8938 cd
50%	11173 cd
60%	13407 cd
70%	15642 cd
80%	17876 cd

Conditions:

Number of c-planes: 2

Candela at center: 22345 cd

ISO LUX DIAGRAM



3%	6,70 lx
5%	11,2 lx
10%	22,3 lx
30%	67,0 lx
50%	112 lx

Conditions:

Number of c-planes: 2

Lux at center: 223 lx

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



Total lumen output:

4498 lm

Peak candela output:

5082 cd

Light quality:

CRI: 96,8

Color temperature:

3250 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

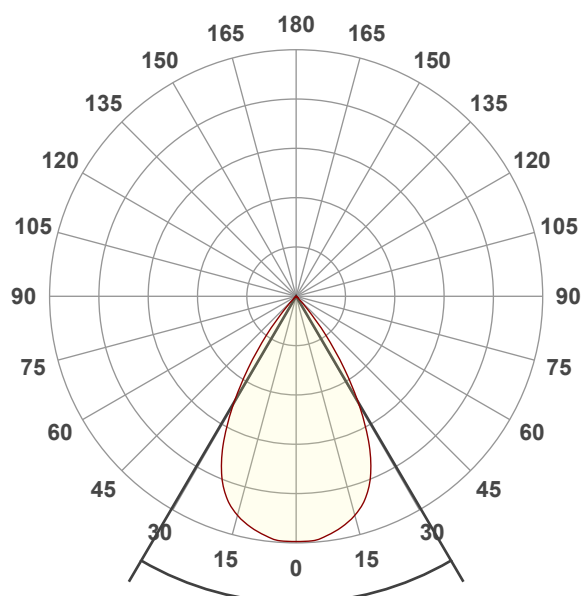
3200K - HQ

Operator:

Salvatore Giglio

Date and time:

31/05/2024 08:57:34

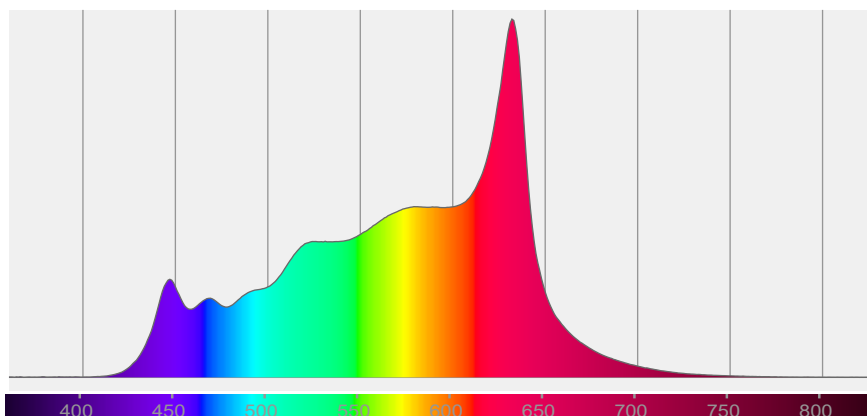


Beam angle 50%: 60,8°

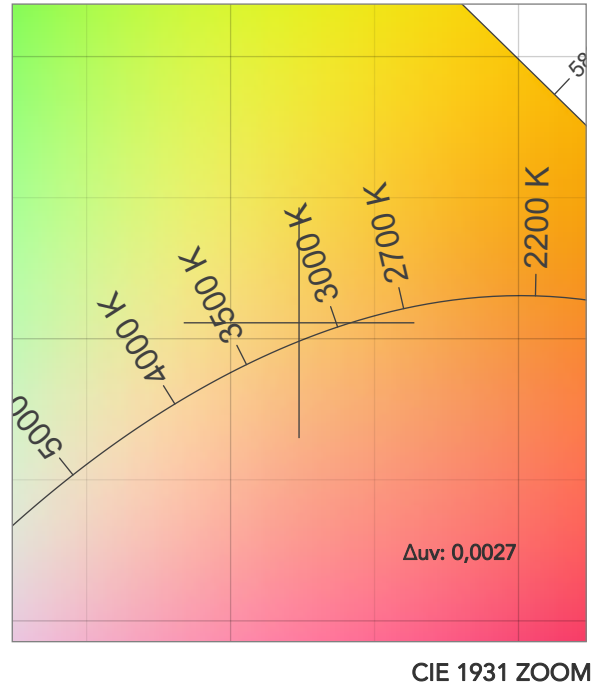
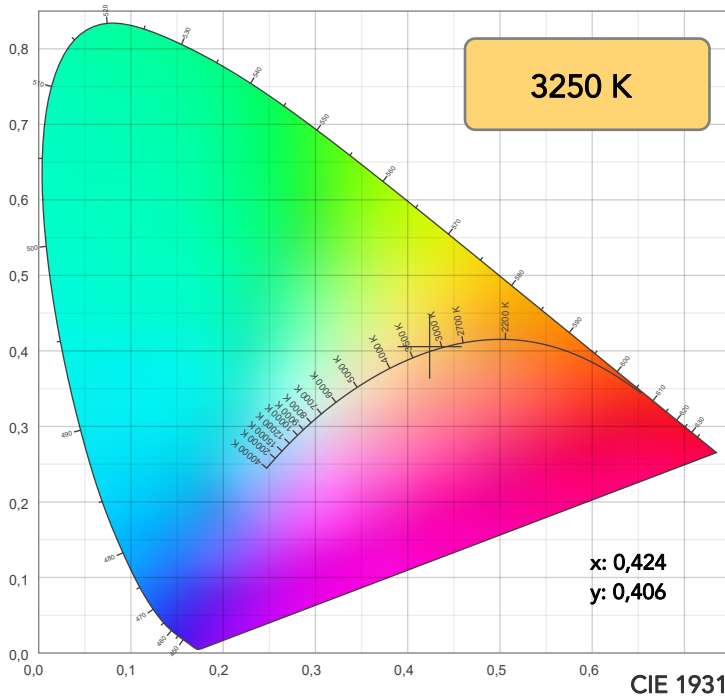
Field angle 10%: 80,8°

Cut off angle 2.5%: 88,3°

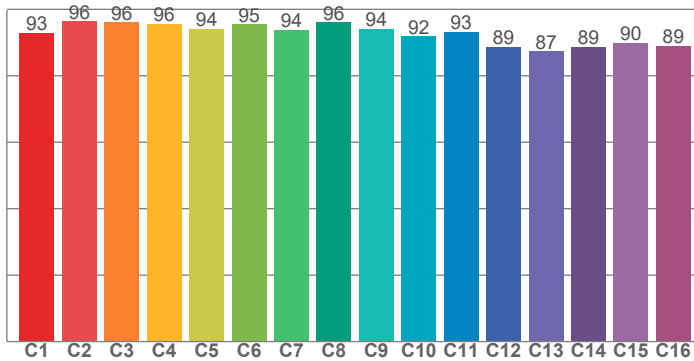
Spectra



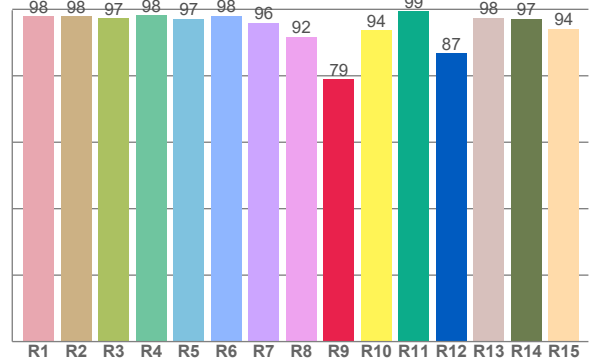
COLOR DETAILS



TM30: 93,1



CRI: 96,8 (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
97,9	98,0	97,3	98,3	97,1	98,1	96,0	91,8	79,0	93,6	99,4	86,8	97,5	97,1	94,1

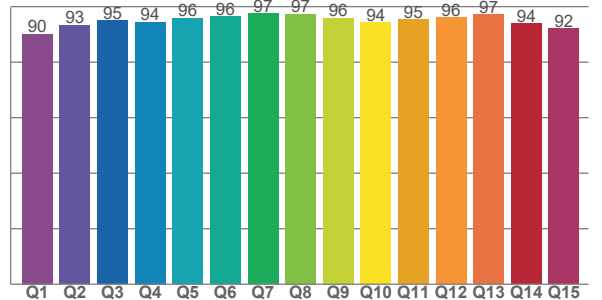
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,9	96,4	96,1	95,6	94,1	95,4	93,9	96,1	94,2	91,9	93,3	88,7	87,3	88,7	89,9	89,0

CQS Q values

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

CQS: 94,5



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
3250 K	96,8	79,0	93,1	98,3	94,5	88	0,424	0,406	0,0027

TM30 DETAILS

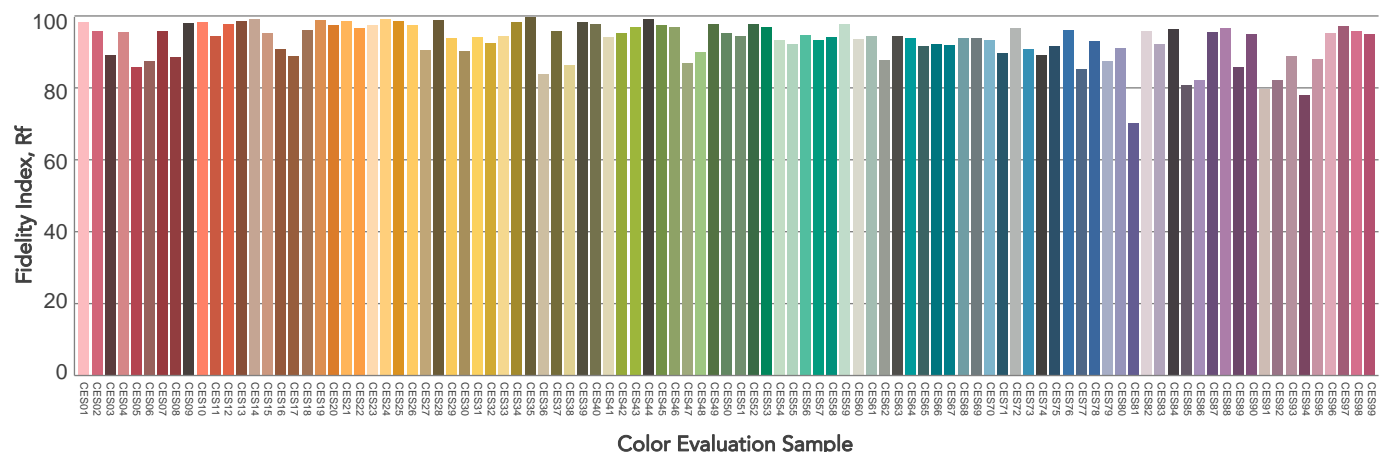
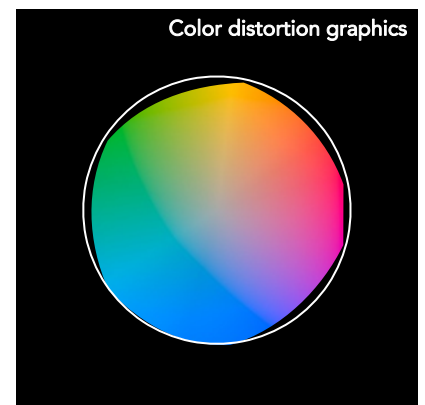
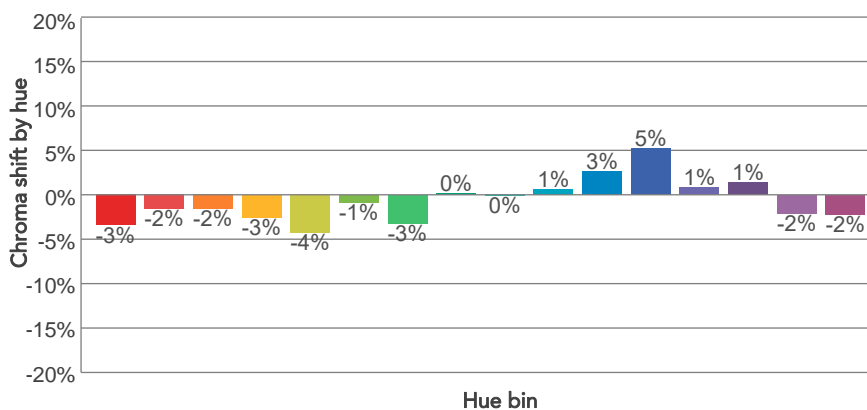
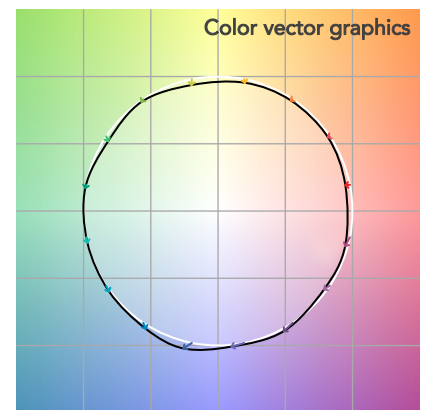
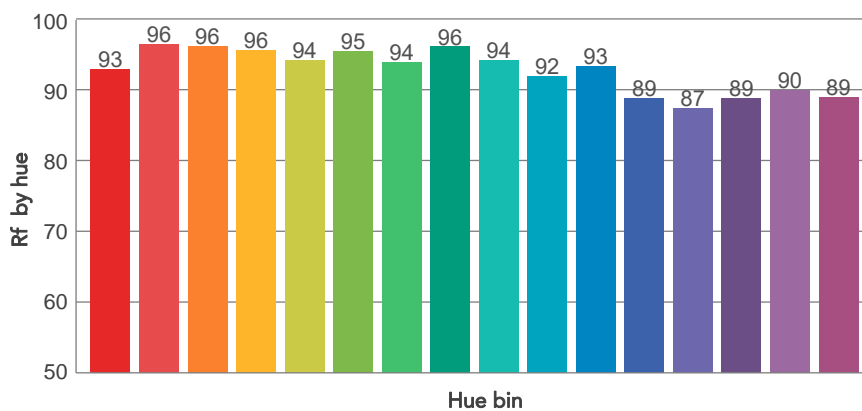
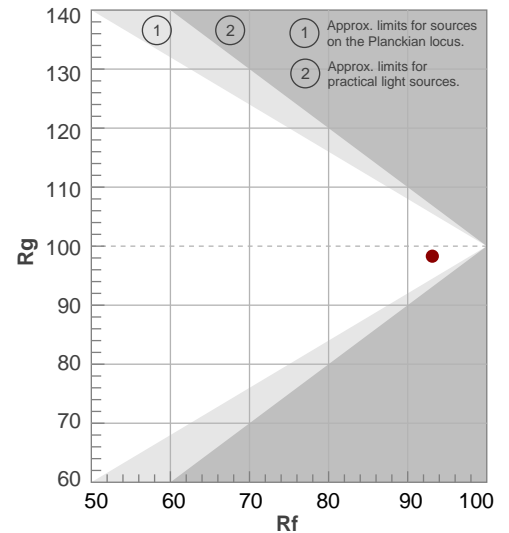
Rf 93,1

Fidelity index Rf

Rg 98,3

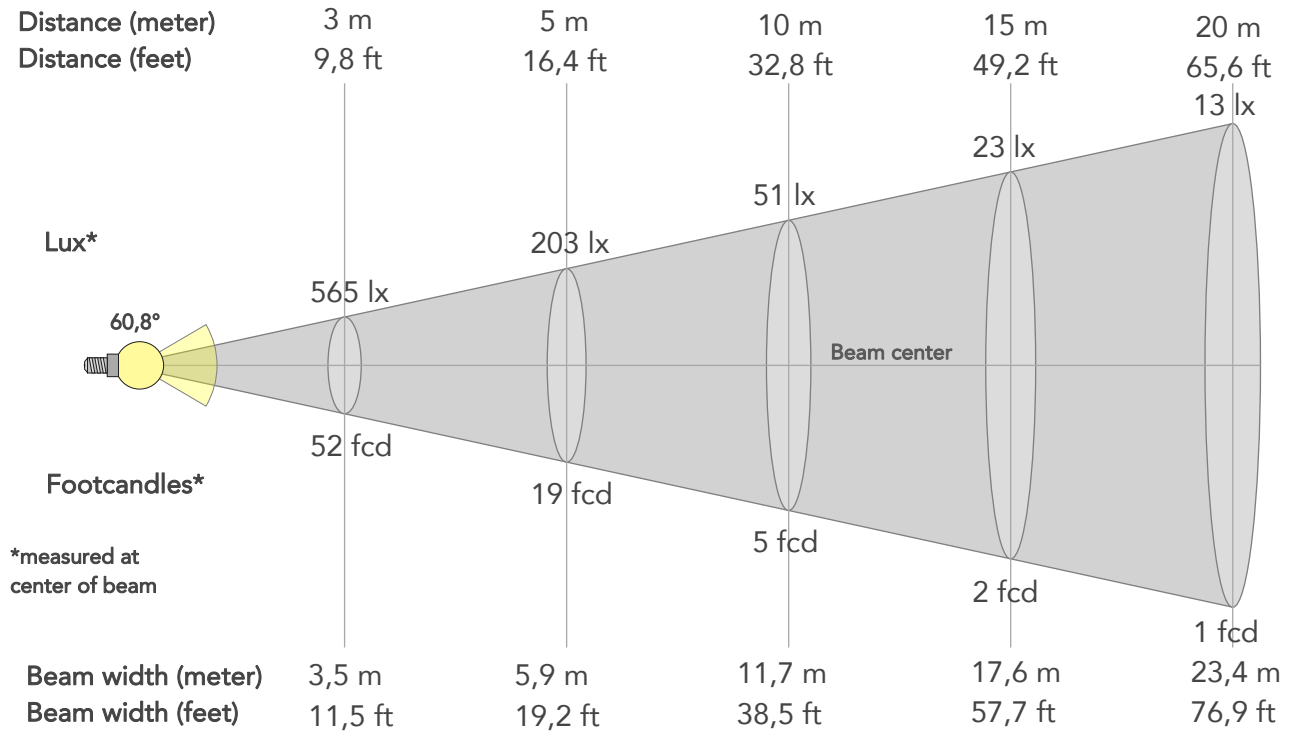
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	0%
2	96	-2%	0%
3	96	-2%	1%
4	96	-3%	-1%
5	94	-4%	1%
6	95	-1%	2%
7	94	-3%	2%
8	96	0%	2%
9	94	0%	4%
10	92	1%	5%
11	93	3%	4%
12	89	5%	-5%
13	87	1%	-10%
14	89	1%	-9%
15	90	-2%	-5%
16	89	-2%	-7%



BEAM DETAILS

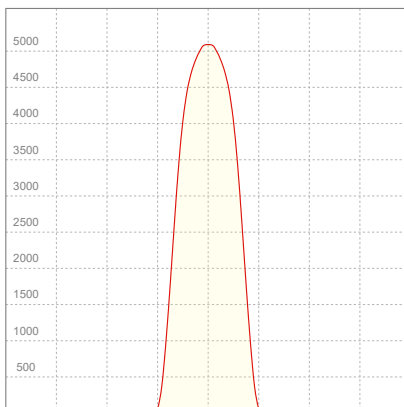
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
60,8°	80,8°	88,3°	99,5%	99,1%



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	5082lx	1270lx	565lx	318lx	203lx	90lx	51lx	23lx	13lx	8lx	6lx	3lx	2lx
Footcand.	472fcd	118fcd	52fcd	30fcd	19fcd	8fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,2m	2,3m	3,5m	4,7m	5,9m	8,8m	11,7m	17,6m	23,4m	29,3m	35,2m	46,9m	58,6m
Beam wid.	3,9ft	7,7ft	11,5ft	15,4ft	19,2ft	28,8ft	38,5ft	57,7ft	76,9ft	96,1ft	115,4ft	153,8ft	192,3ft

LINEAR DISTRIBUTION DIAGRAM

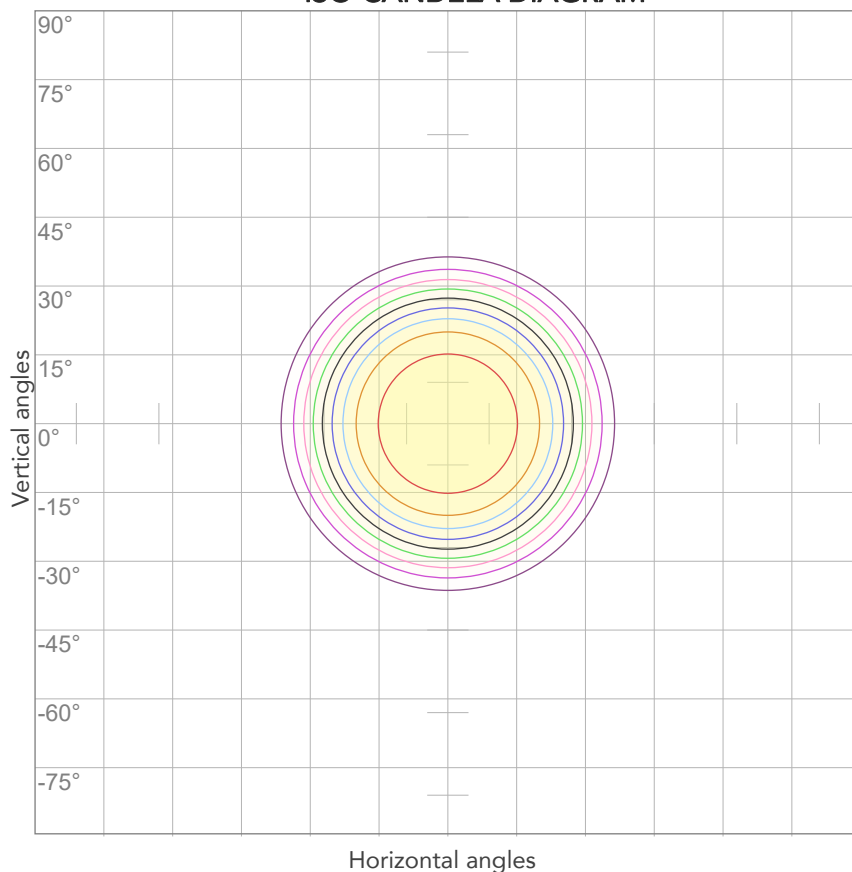


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,675A	148,9W	0,98	30lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



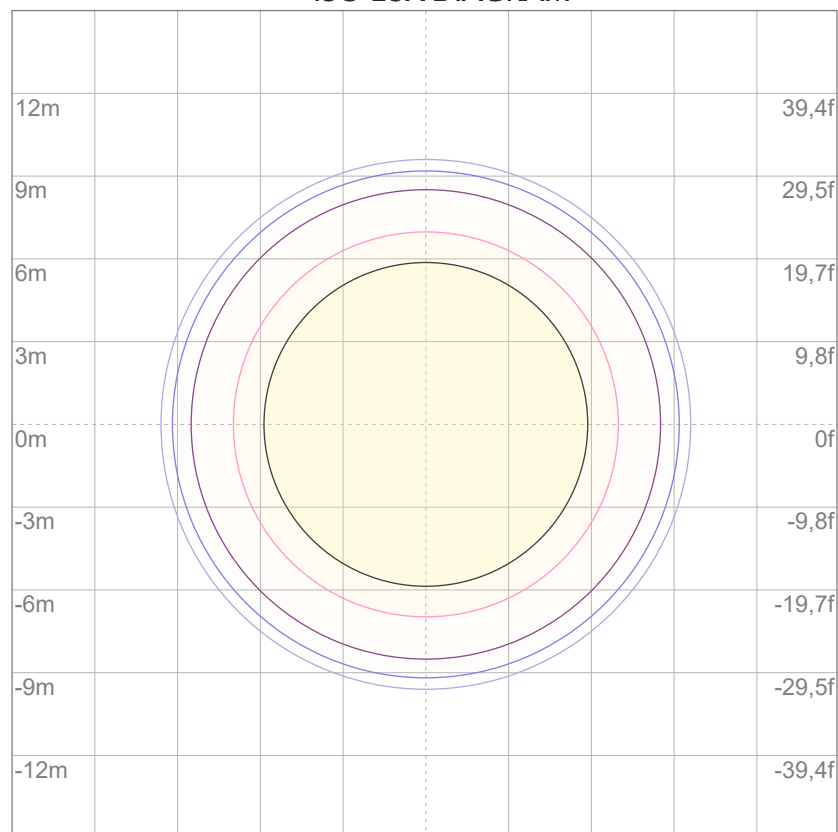
10%	508 cd
20%	1016 cd
30%	1524 cd
40%	2033 cd
50%	2541 cd
60%	3049 cd
70%	3557 cd
80%	4065 cd

Conditions:

Number of c-planes: 2

Candela at center: 5082 cd

ISO LUX DIAGRAM



3%	1,52 lx
5%	2,54 lx
10%	5,08 lx
30%	15,2 lx
50%	25,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 50,8 lx

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



Total lumen output:

3436 lm

Peak candela output:

9142 cd

Light quality:

CRI: 97,3

Color temperature:

3259 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

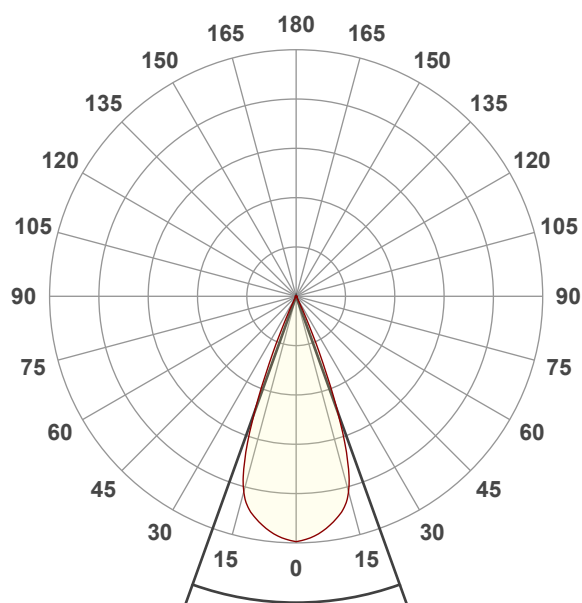
3200K- HQ

Operator:

Salvatore Giglio

Date and time:

30/05/2024 18:07:43

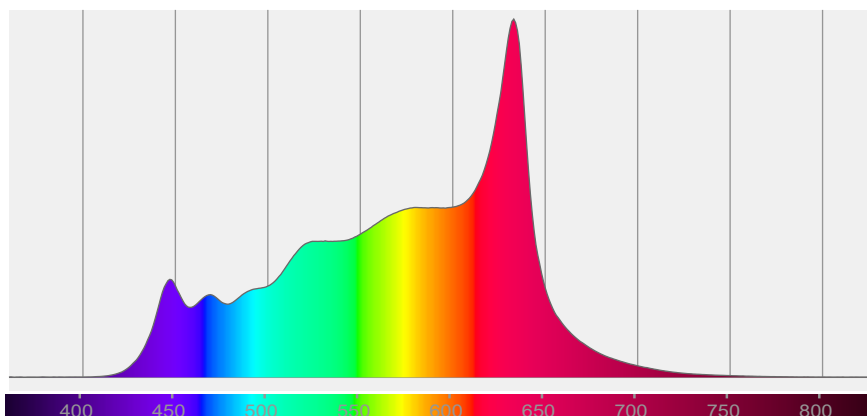


Beam angle 50%: 39,5°

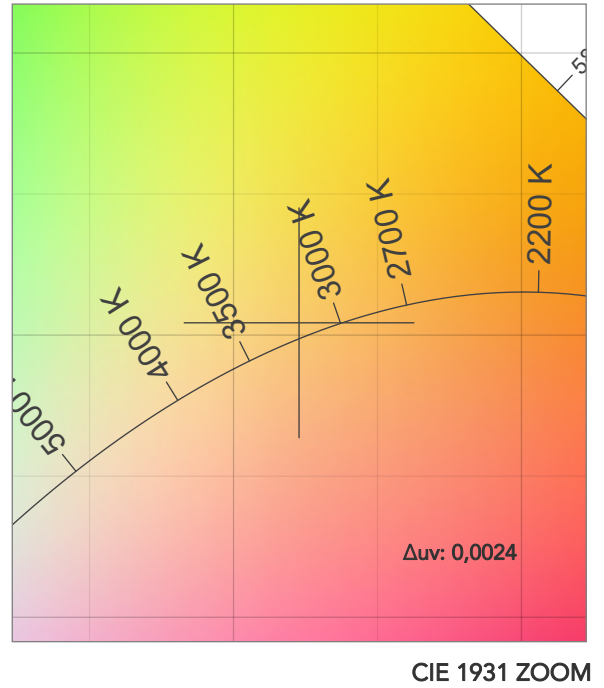
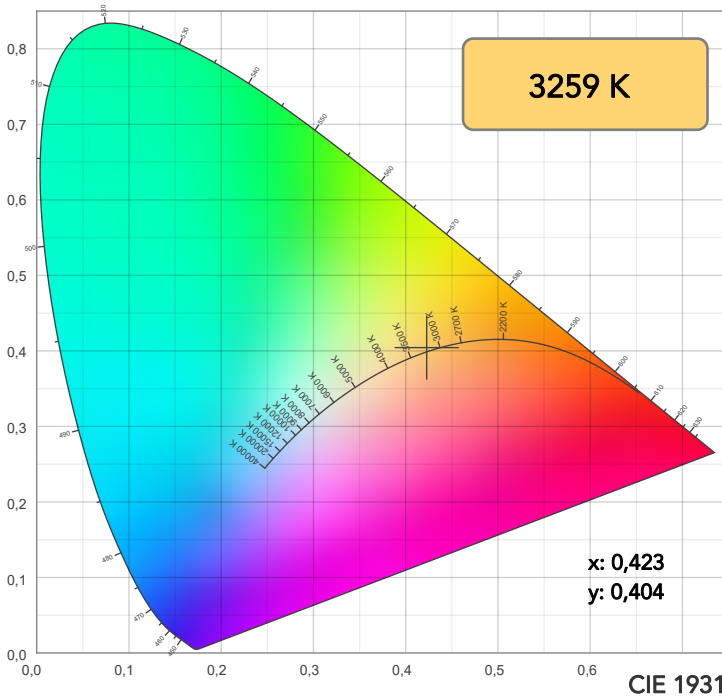
Field angle 10%: 49,2°

Cut off angle 2.5%: 54,4°

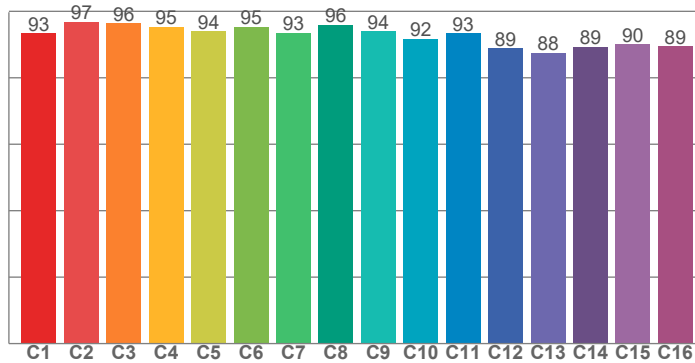
Spectra



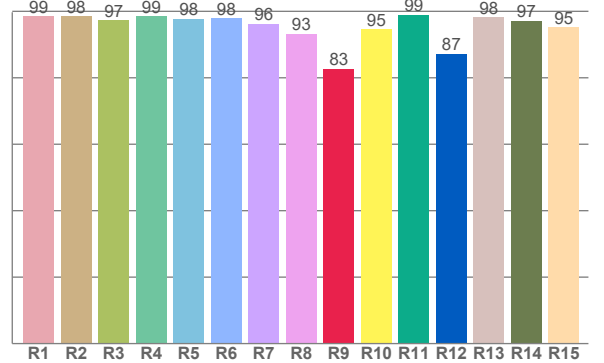
COLOR DETAILS



TM30: 93,2



CRI: 97,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,5	98,5	97,3	98,6	97,8	97,9	96,3	93,2	82,7	94,7	99,0	87,2	98,2	97,1	95,2

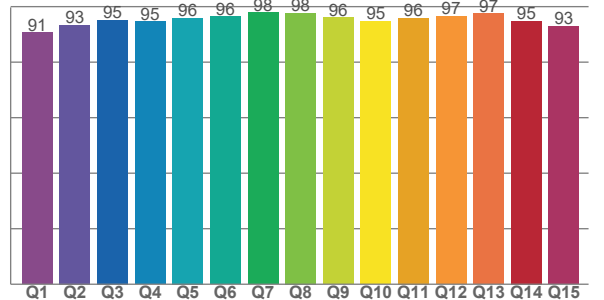
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,4	96,8	96,4	95,4	93,9	95,4	93,4	95,9	93,9	91,8	93,3	88,8	87,5	89,2	90,0	89,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90,7	93,3	95,2	94,6	95,8	96,5	97,8	97,7	96,1	94,7	95,9	96,5	97,5	94,9	92,9

CQS: 94,9



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
3259 K	97,3	82,7	93,2	98,5	94,9	88	0,423	0,404	0,0024

TM30 DETAILS

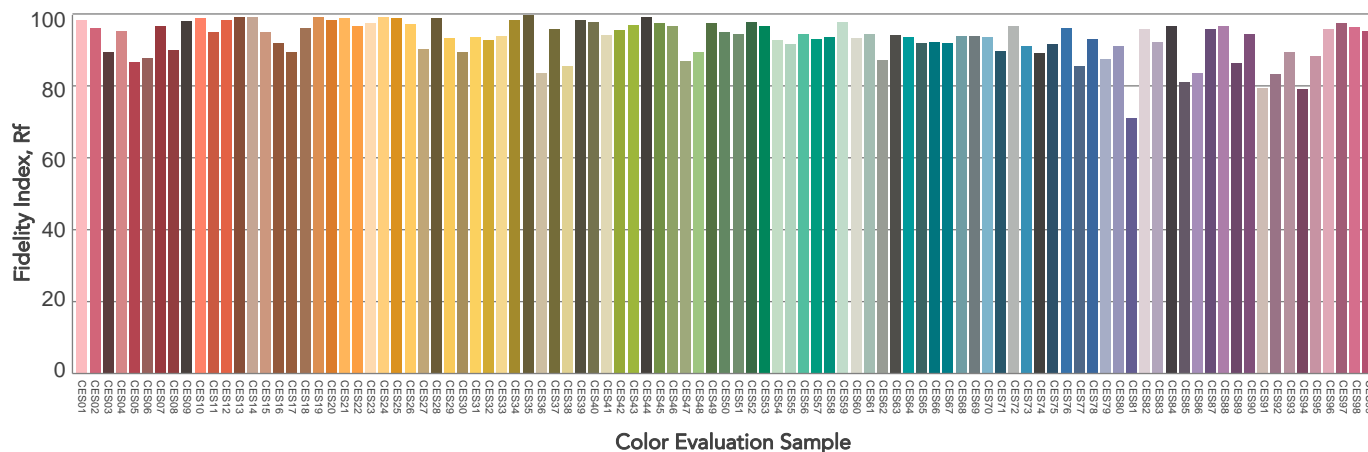
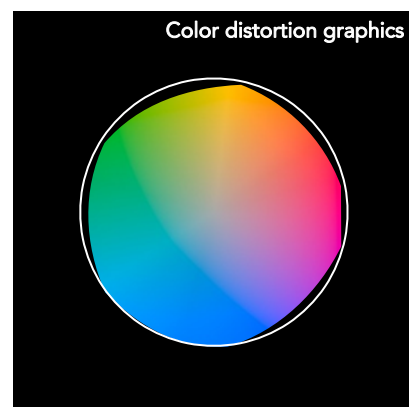
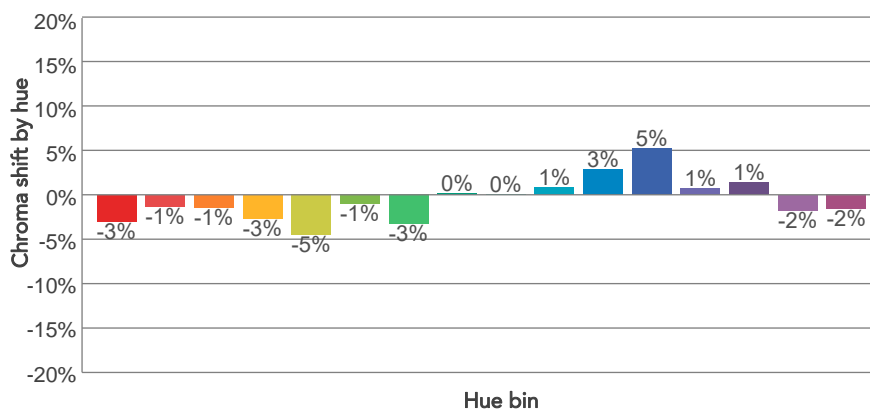
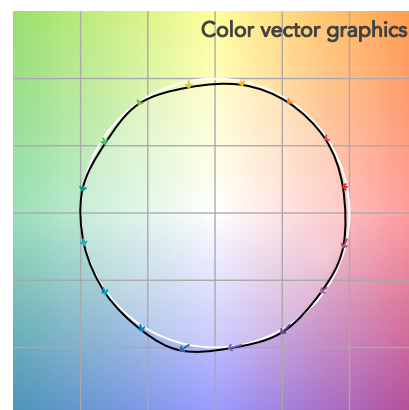
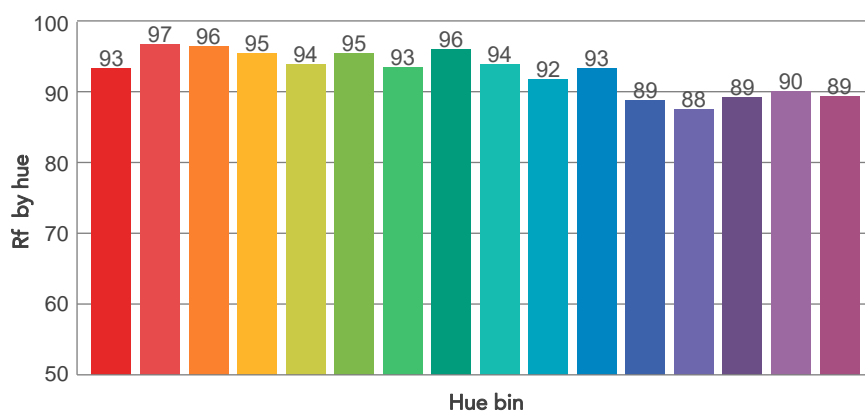
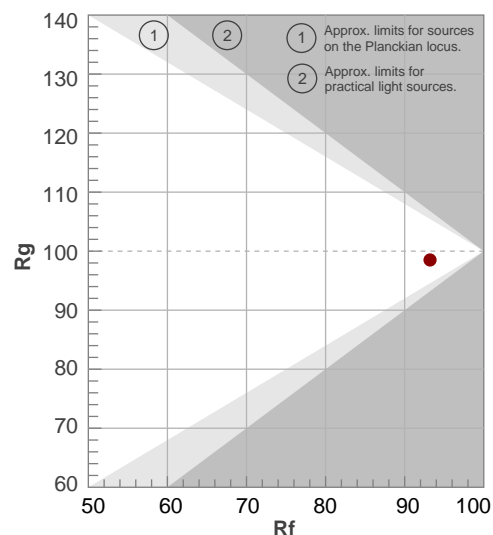
Rf 93,2

Fidelity index Rf

Rg 98,5

Gammut index

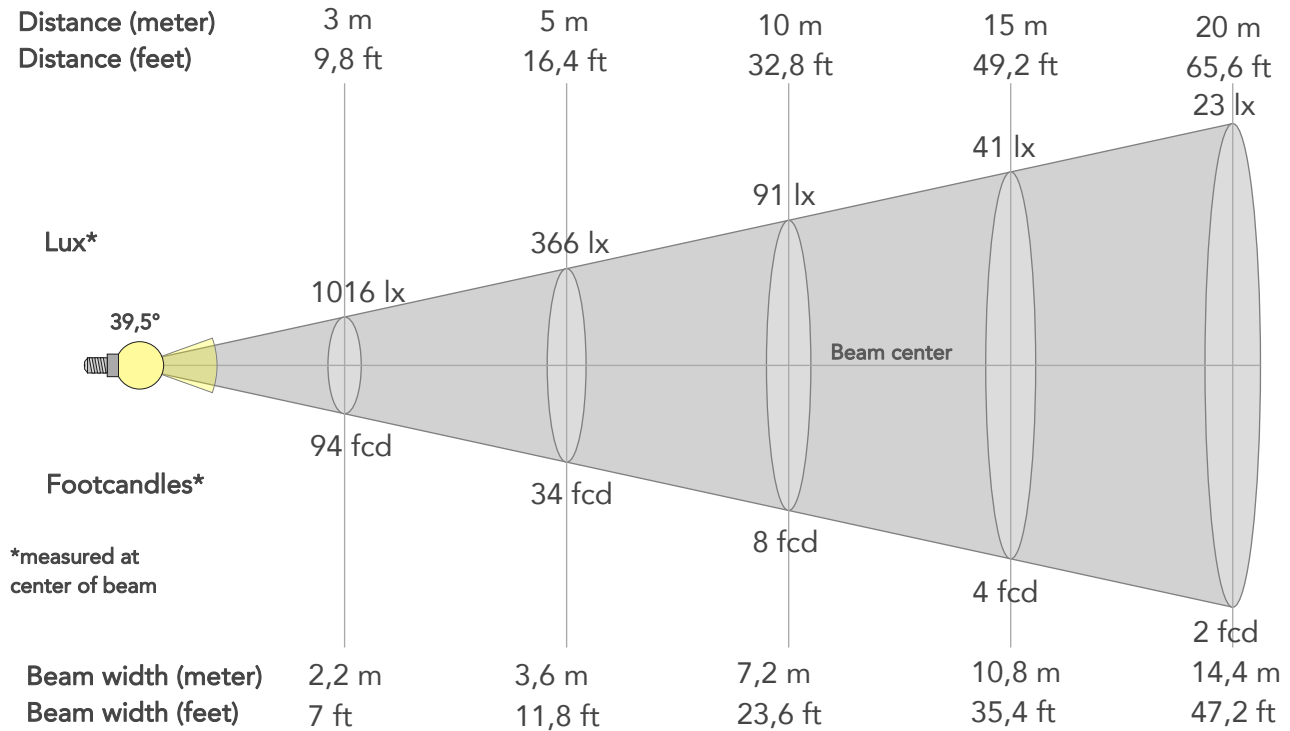
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	1%
2	97	-1%	0%
3	96	-1%	0%
4	95	-3%	-1%
5	94	-5%	1%
6	95	-1%	2%
7	93	-3%	3%
8	96	0%	3%
9	94	0%	4%
10	92	1%	5%
11	93	3%	4%
12	89	5%	-5%
13	88	1%	-10%
14	89	1%	-9%
15	90	-2%	-5%
16	89	-2%	-7%



BEAM DETAILS



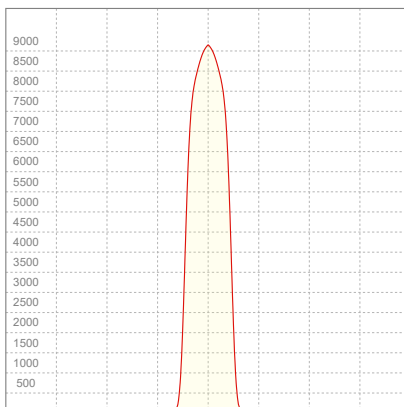
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,5°	49,2°	54,4°	99,1%	98,1%



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	9142lx	2286lx	1016lx	571lx	366lx	163lx	91lx	41lx	23lx	15lx	10lx	6lx	4lx
Footcand.	849fcd	212fcd	94fcd	53fcd	34fcd	15fcd	8fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,7m	1,4m	2,2m	2,9m	3,6m	5,4m	7,2m	10,8m	14,4m	18m	21,6m	28,8m	35,9m
Beam wid.	2,4ft	4,7ft	7ft	9,4ft	11,8ft	17,7ft	23,6ft	35,4ft	47,2ft	58,9ft	70,7ft	94,3ft	117,9ft

LINEAR DISTRIBUTION DIAGRAM

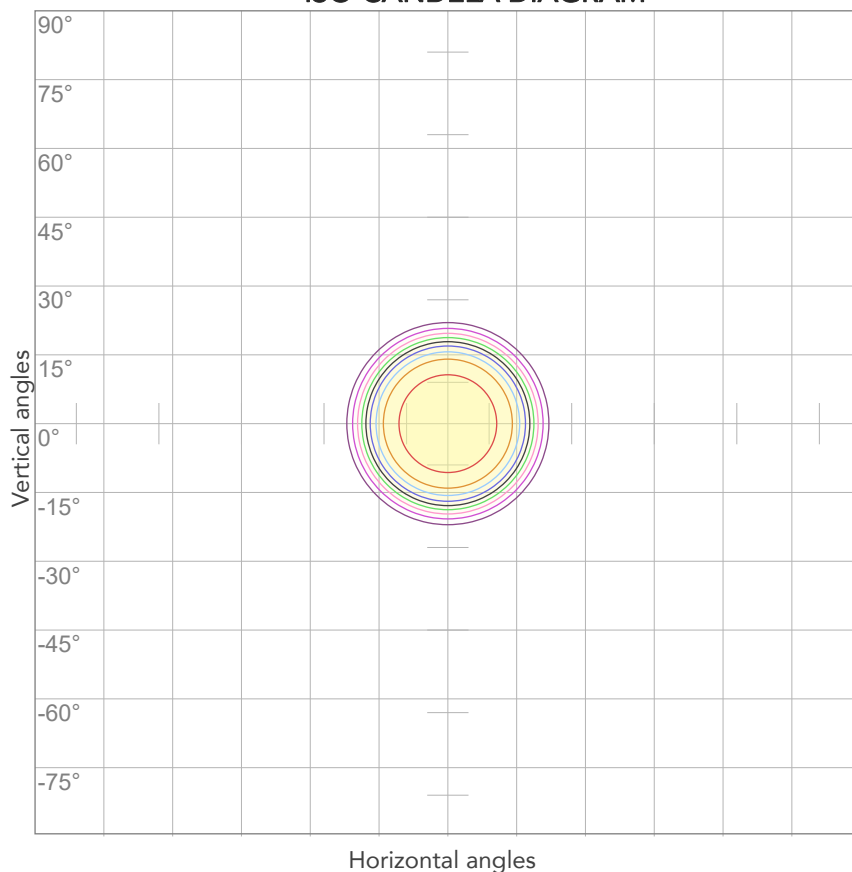


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,676A	149,9W	0,98	23lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



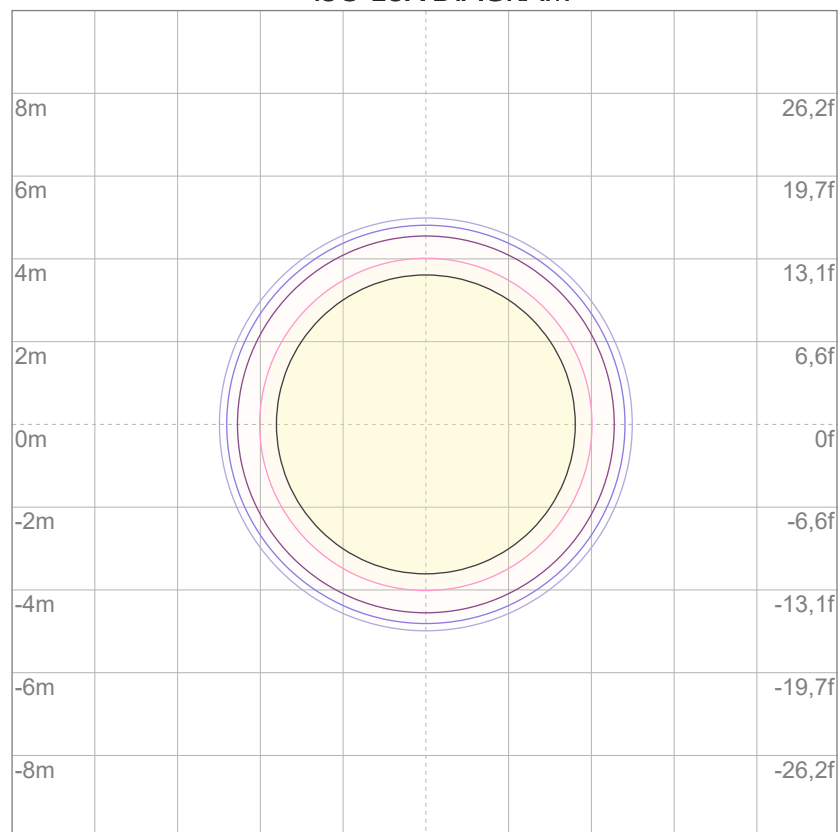
10%	914 cd
20%	1828 cd
30%	2743 cd
40%	3657 cd
50%	4571 cd
60%	5485 cd
70%	6400 cd
80%	7314 cd

Conditions:

Number of c-planes: 2

Candela at center: 9142 cd

ISO LUX DIAGRAM



3%	2,74 lx
5%	4,57 lx
10%	9,14 lx
30%	27,4 lx
50%	45,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 91,4 lx

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



Total lumen output:

2426 lm

Peak candela output:

22135 cd

Light quality:

CRI: 97,3

Color temperature:

3255 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

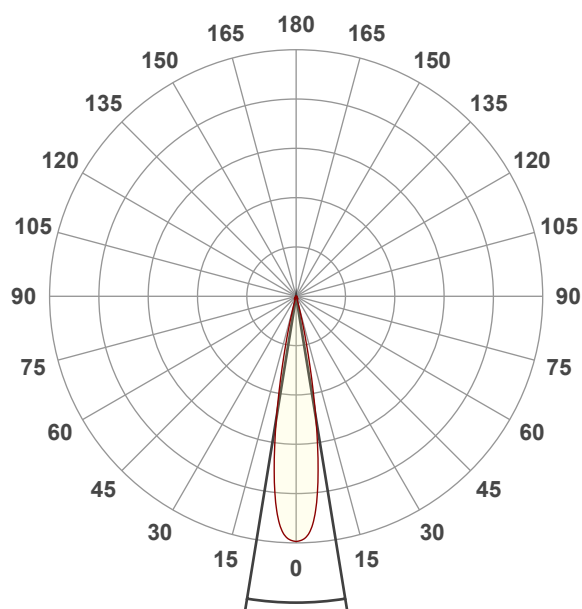
3200K - HQ

Operator:

Salvatore Giglio

Date and time:

31/05/2024 09:18:36

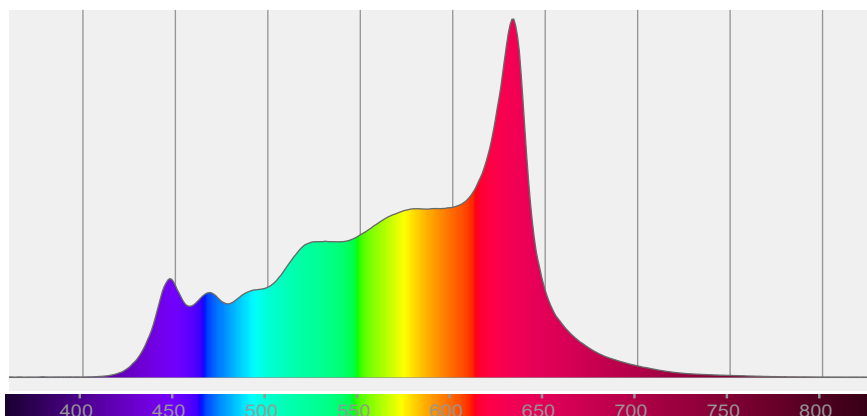


Beam angle 50%: 18,4°

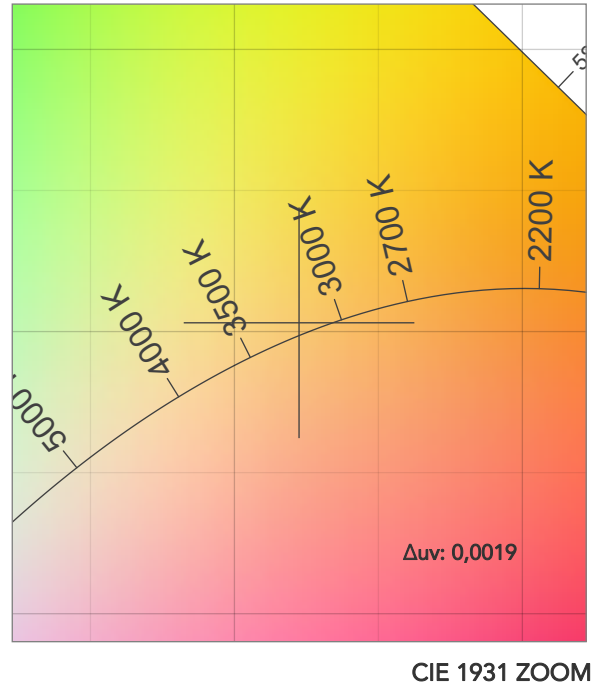
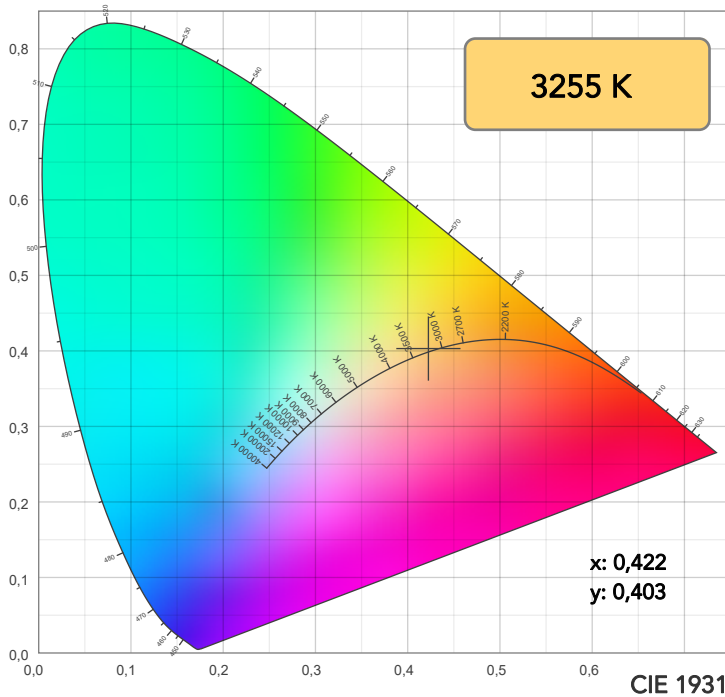
Field angle 10%: 27,5°

Cut off angle 2.5%: 32,1°

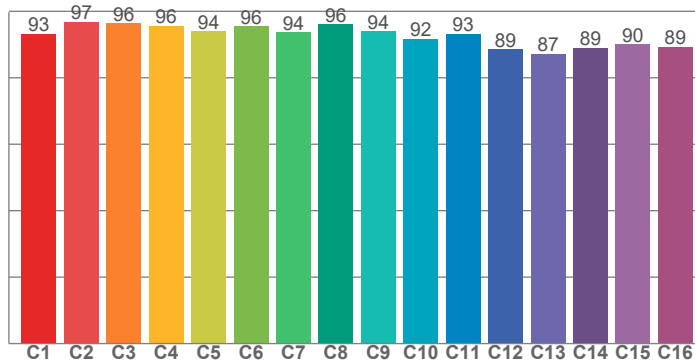
Spectra



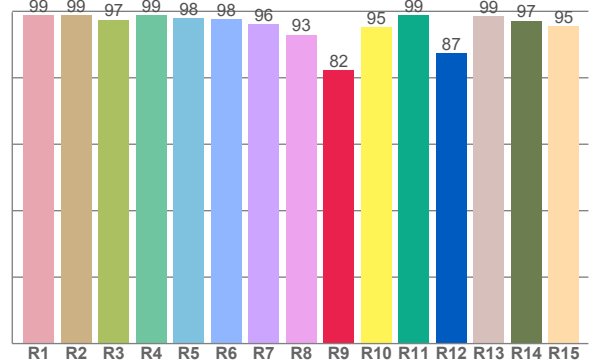
COLOR DETAILS



TM30: 93,2



CRI: 97,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,8	98,8	97,5	98,8	98,0	97,6	96,0	93,0	82,3	95,2	98,8	87,4	98,6	97,2	95,5

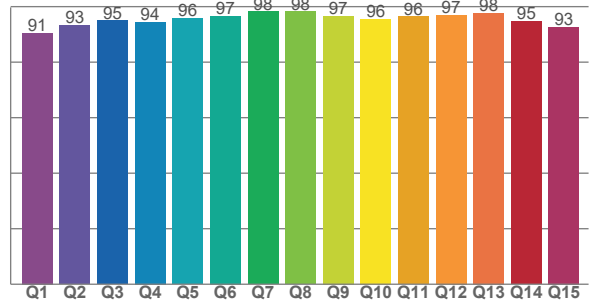
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,3	96,7	96,4	95,5	94,0	95,5	93,7	96,1	93,9	91,7	93,3	88,6	87,3	89,0	90,1	89,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90,5	93,3	95,0	94,4	95,8	96,6	98,2	98,2	96,7	95,5	96,4	96,9	97,8	94,7	92,7

CQS: 94,9



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
3255 K	97,3	82,3	93,2	98,6	94,9	88	0,422	0,403	0,0019

TM30 DETAILS

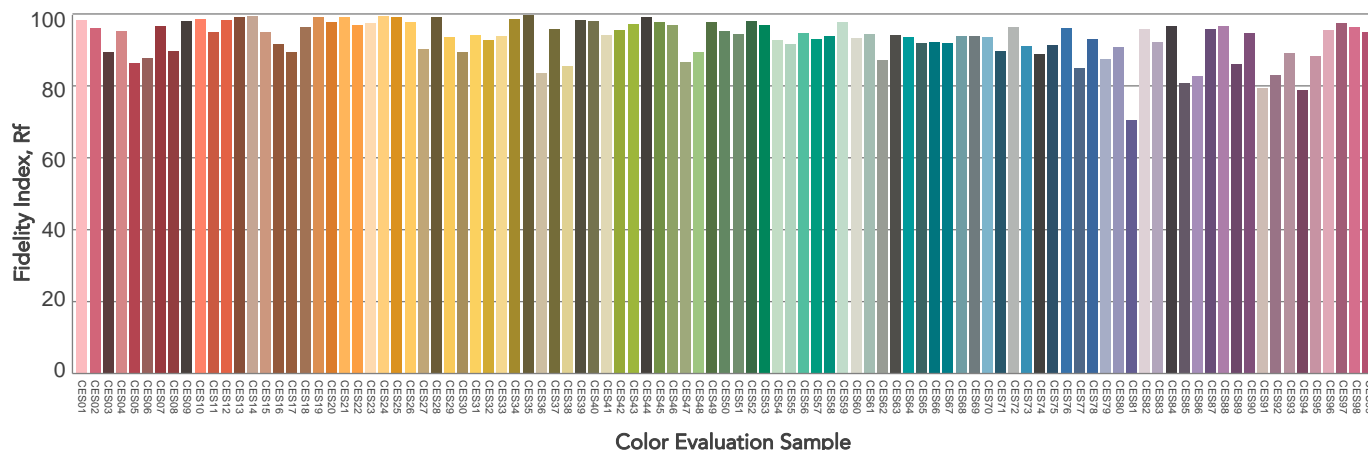
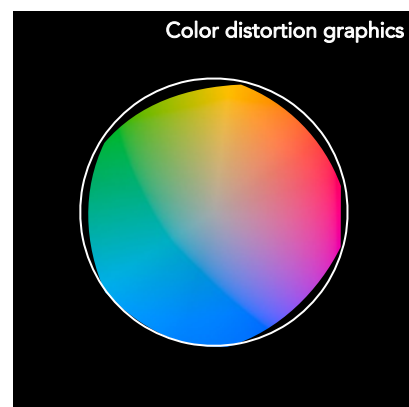
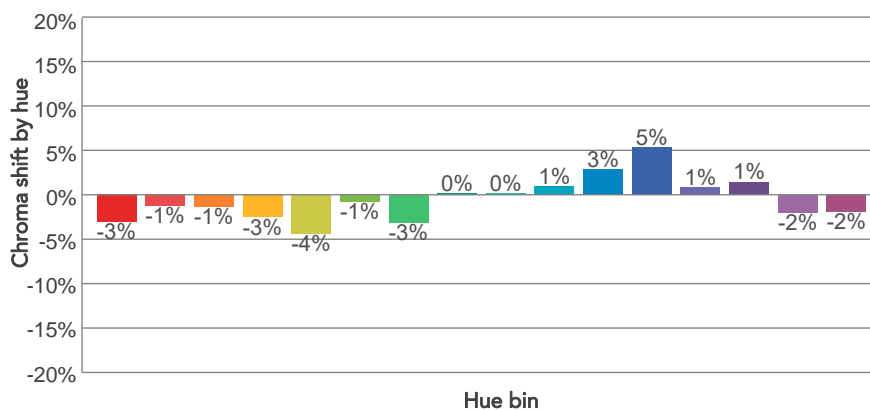
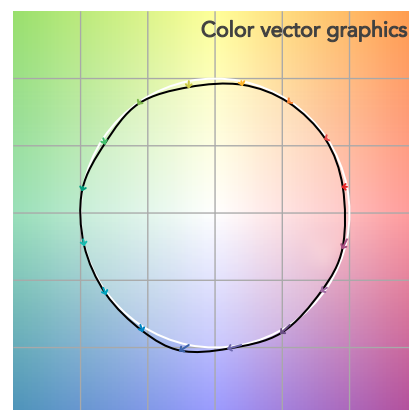
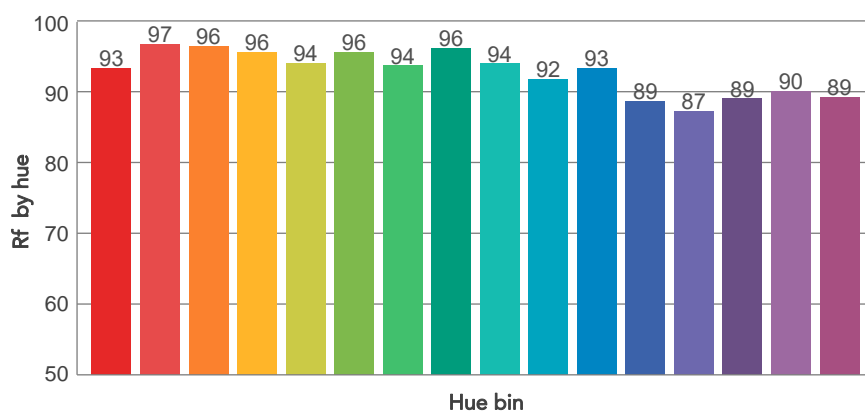
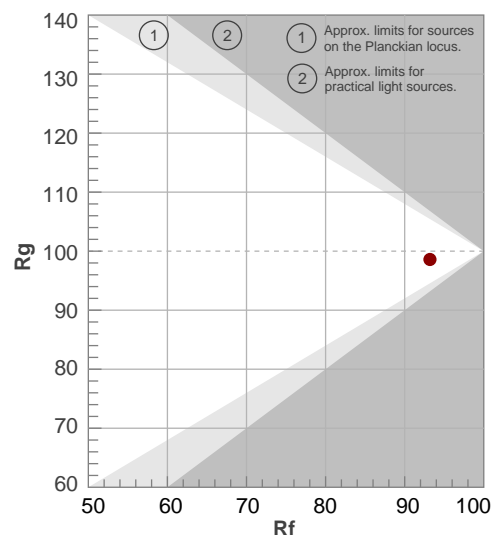
Rf 93,2

Fidelity index Rf

Rg 98,6

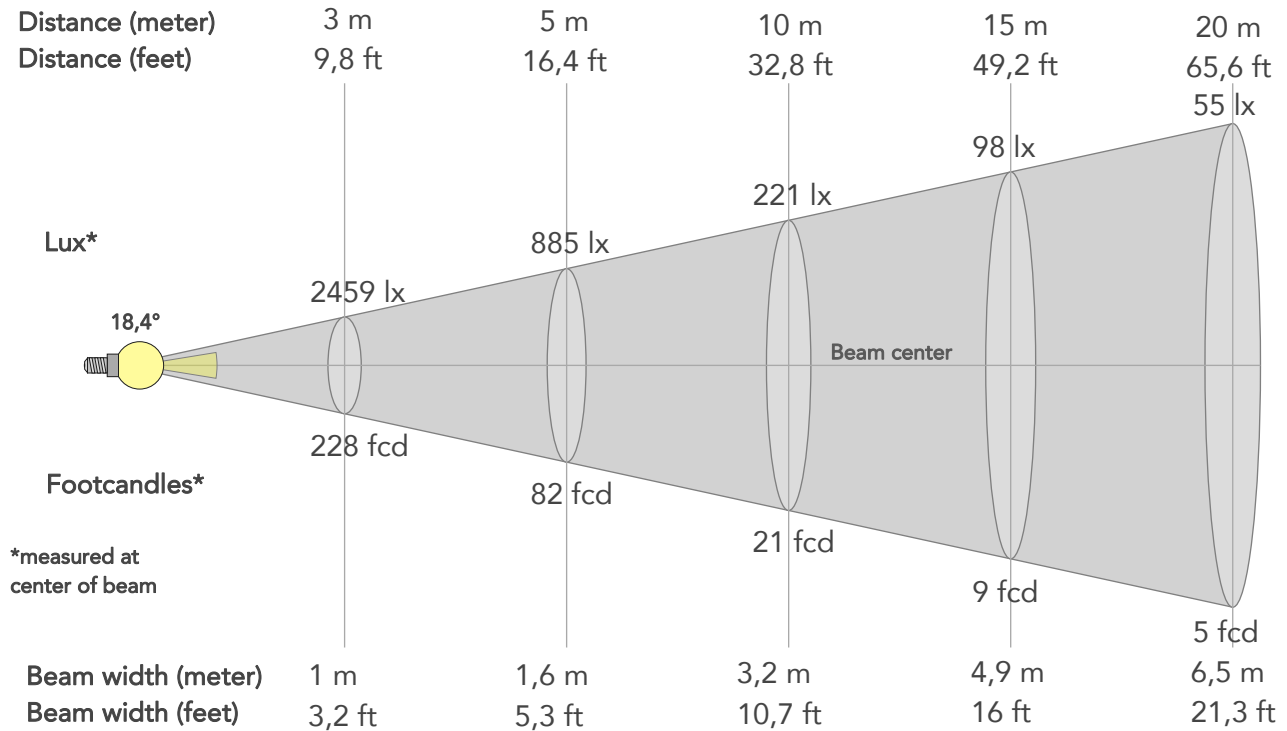
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	1%
2	97	-1%	0%
3	96	-1%	0%
4	96	-3%	-1%
5	94	-4%	1%
6	96	-1%	2%
7	94	-3%	3%
8	96	0%	2%
9	94	0%	4%
10	92	1%	5%
11	93	3%	4%
12	89	5%	-5%
13	87	1%	-10%
14	89	1%	-9%
15	90	-2%	-4%
16	89	-2%	-7%



BEAM DETAILS

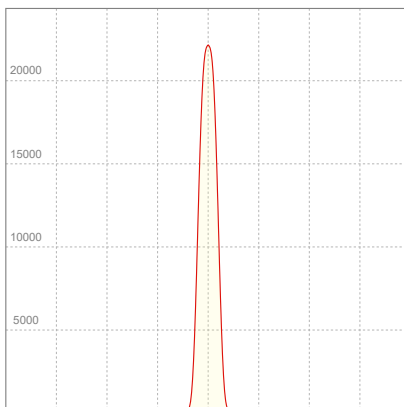
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,4°	27,5°	32,1°	99,2%	97,4%



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	22135lx	5534lx	2459lx	1383lx	885lx	394lx	221lx	98lx	55lx	35lx	25lx	14lx	9lx
Footcand.	2056fcd	514fcd	228fcd	129fcd	82fcd	37fcd	21fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,3m	0,6m	1m	1,3m	1,6m	2,4m	3,2m	4,9m	6,5m	8,1m	9,7m	13m	16,2m
Beam wid.	1,1ft	2,1ft	3,2ft	4,3ft	5,3ft	8ft	10,7ft	16ft	21,3ft	26,6ft	32ft	42,6ft	53,3ft

LINEAR DISTRIBUTION DIAGRAM

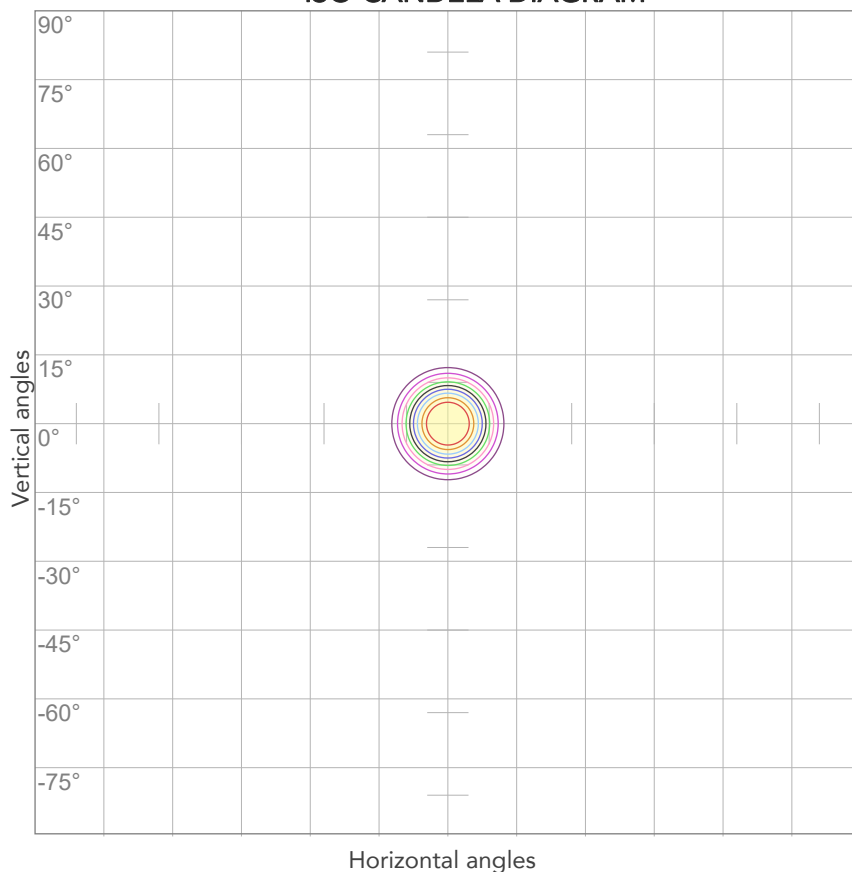


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,679A	149,9W	0,98	16lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



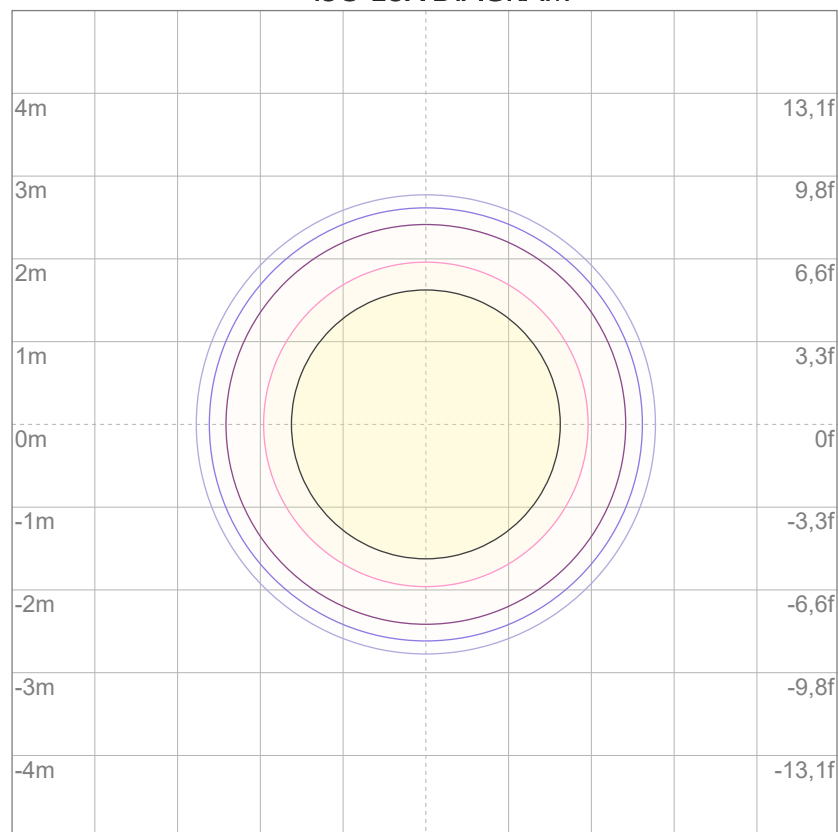
10%	2213 cd
20%	4427 cd
30%	6640 cd
40%	8854 cd
50%	11067 cd
60%	13281 cd
70%	15494 cd
80%	17708 cd

Conditions:

Number of c-planes: 2

Candela at center: 22135 cd

ISO LUX DIAGRAM



3%	6,64 lx
5%	11,1 lx
10%	22,1 lx
30%	66,4 lx
50%	111 lx

Conditions:

Number of c-planes: 2

Lux at center: 221 lx

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



Total lumen output:

3894 lm

Peak candela output:

4443 cd

Light quality:

CRI: 96,3

Color temperature:

4068 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

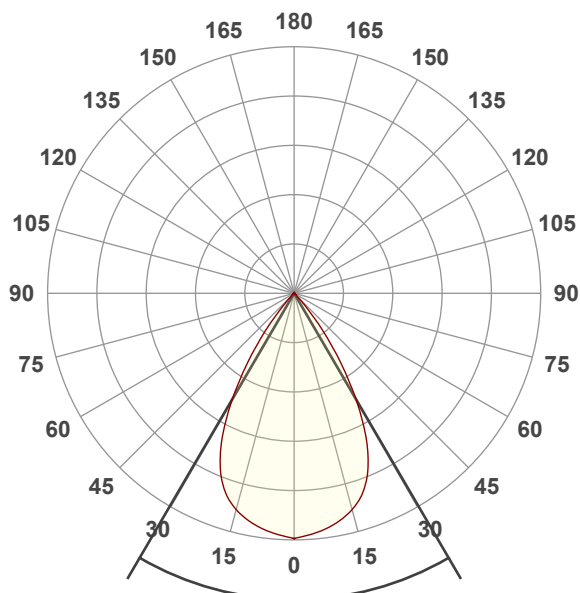
4000K - HQ

Operator:

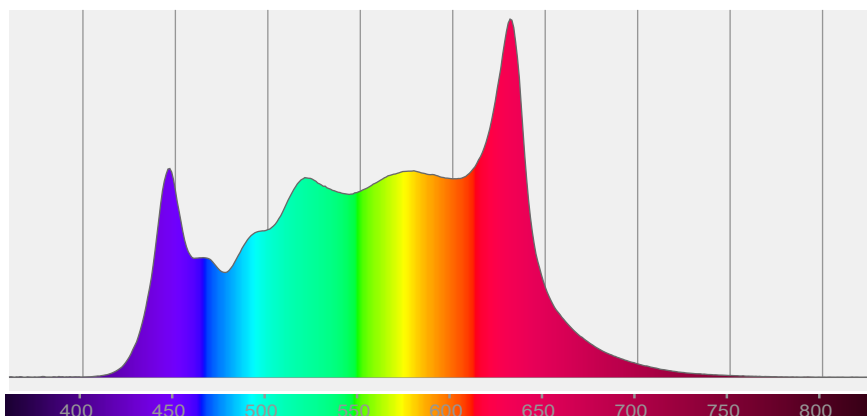
Salvatore Giglio

Date and time:

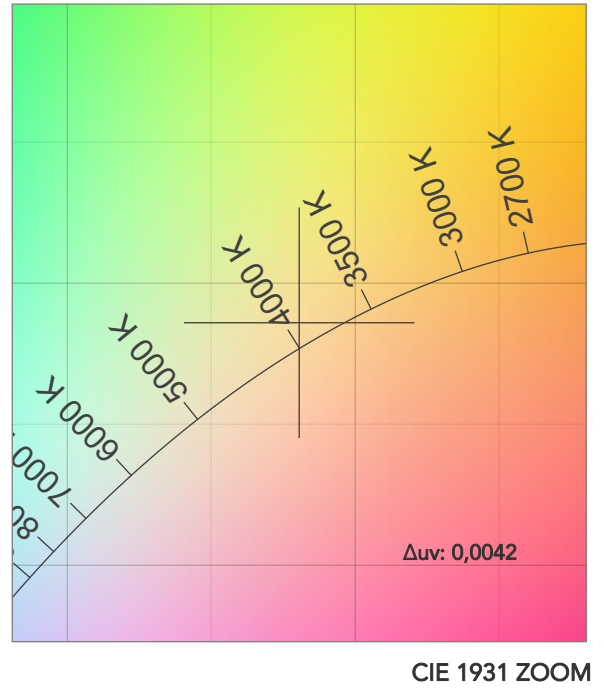
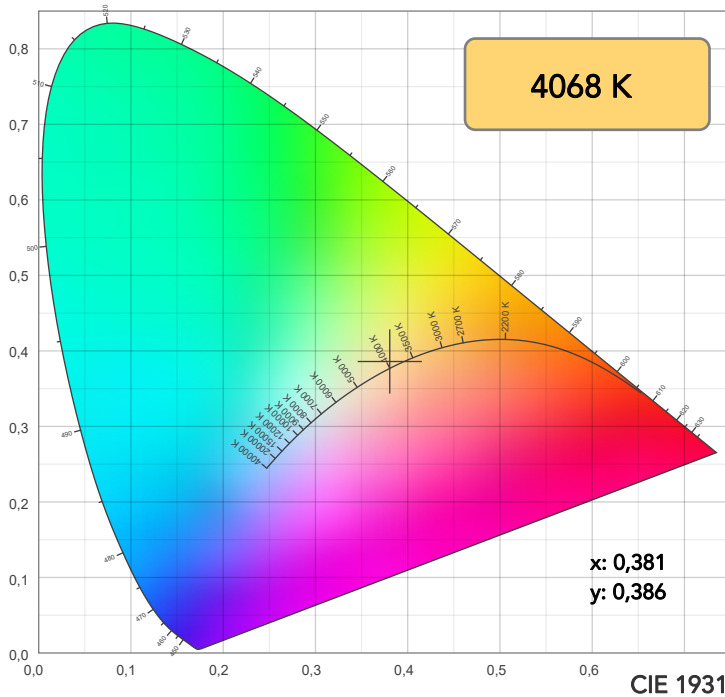
31/05/2024 09:03:42



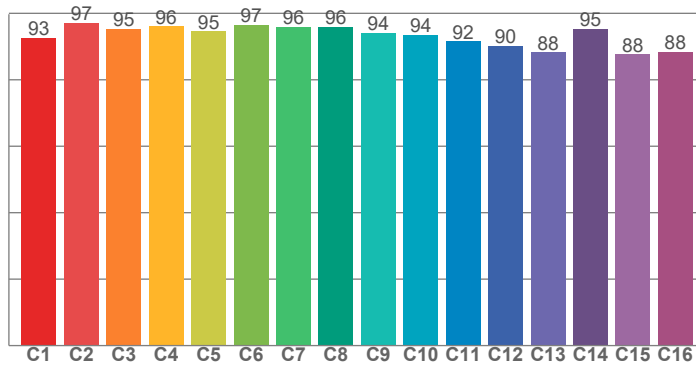
Spectra



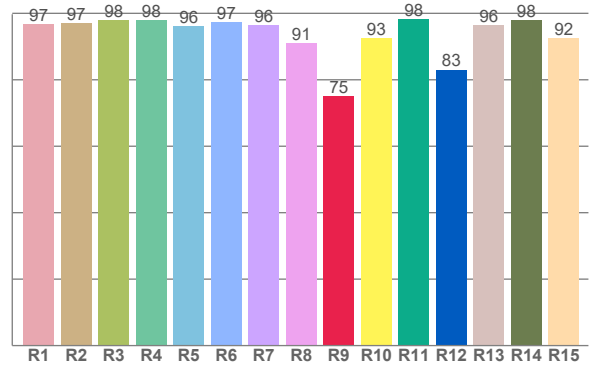
COLOR DETAILS



TM30: 93,4



CRI: 96,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,7	96,9	97,8	98,0	96,2	97,4	96,5	90,9	75,0	92,6	98,2	83,0	96,4	98,0	92,5

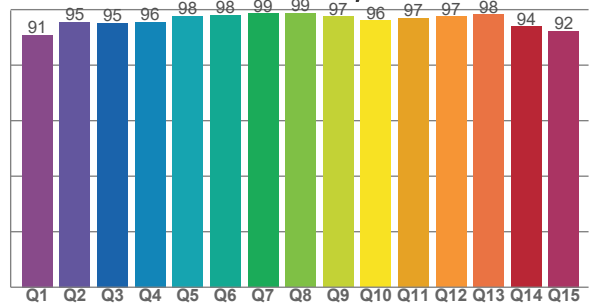
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,7	97,1	95,3	96,1	94,5	96,5	95,9	95,9	94,2	93,6	91,6	90,2	88,3	95,3	87,7	88,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90,8	95,5	95,2	95,6	97,6	98,0	98,6	98,7	97,4	96,1	97,0	97,5	98,2	93,9	92,4

CQS: 95,6



COLOR PARAMETERS

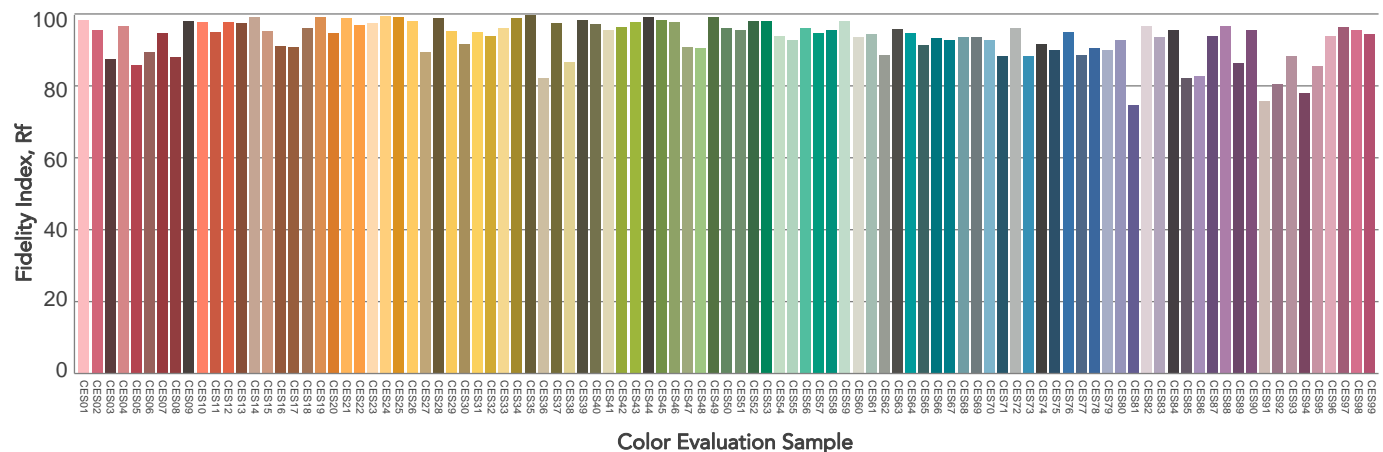
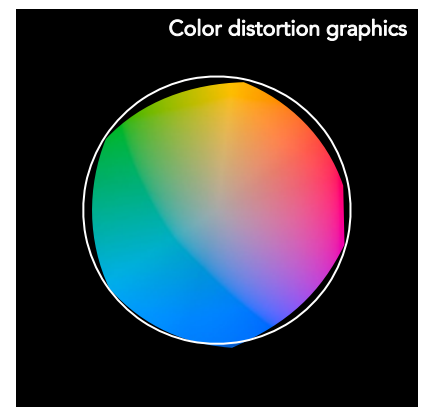
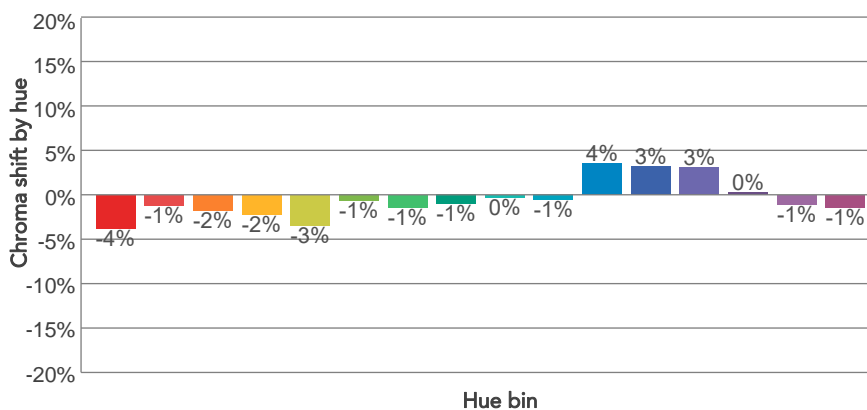
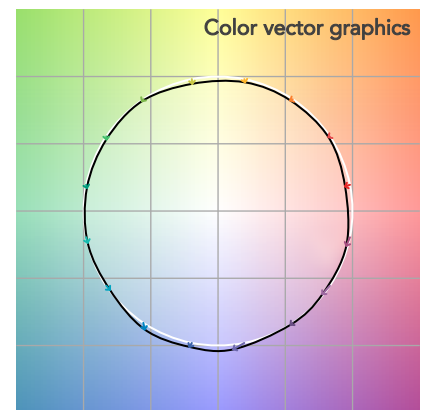
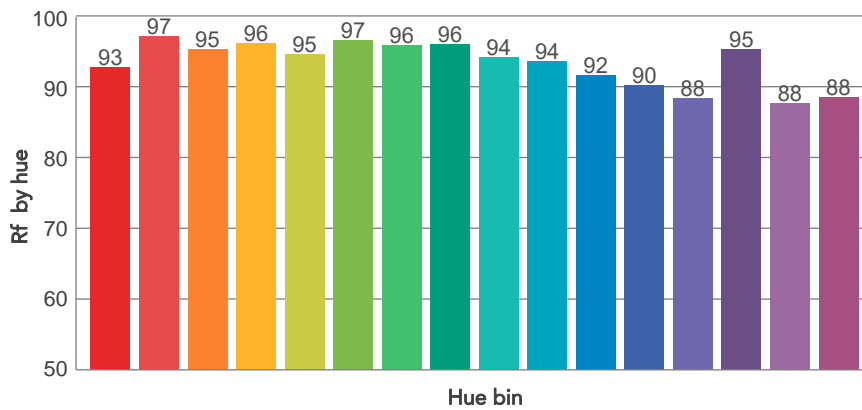
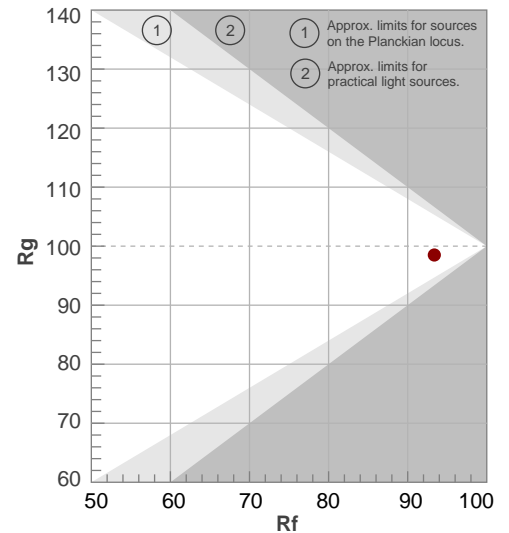
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4068 K	96,3	75,0	93,4	98,5	95,6	89	0,381	0,386	0,0042

TM30 DETAILS

Rf 93,4
Fidelity index Rf

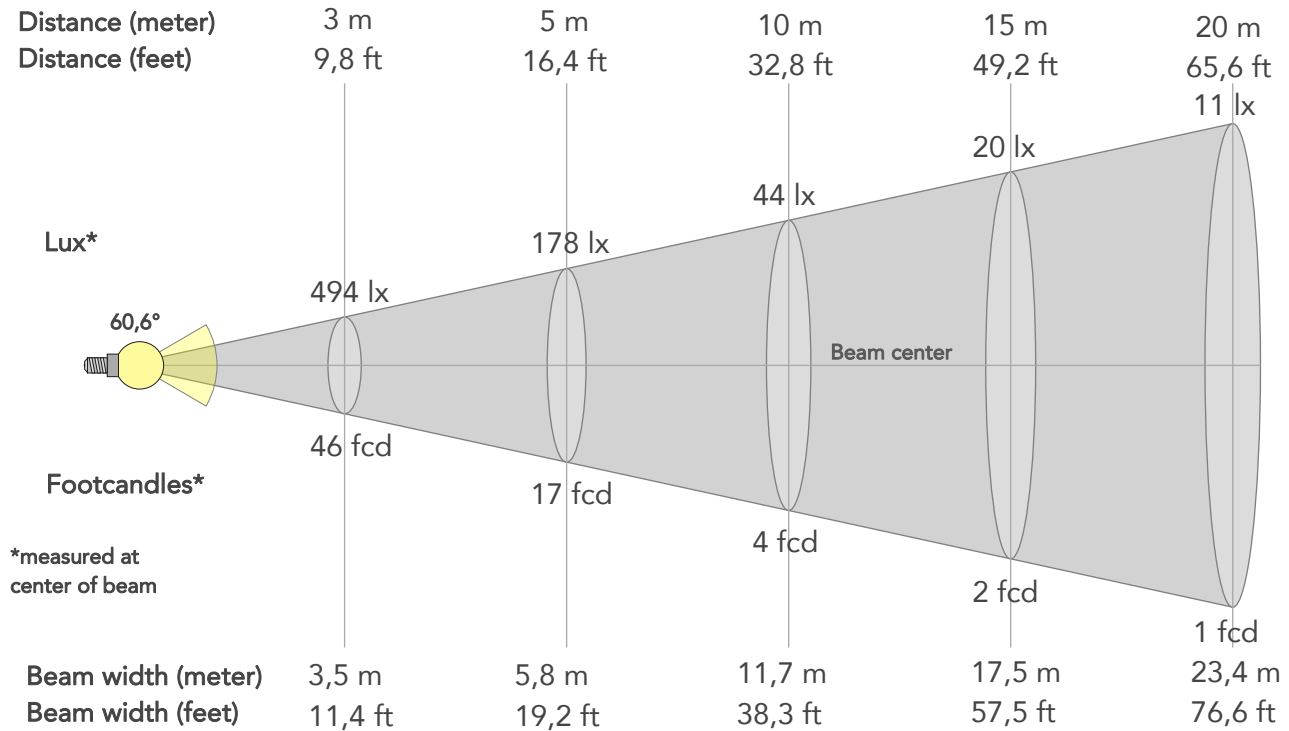
Rg 98,5
Gammut index

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



BEAM DETAILS

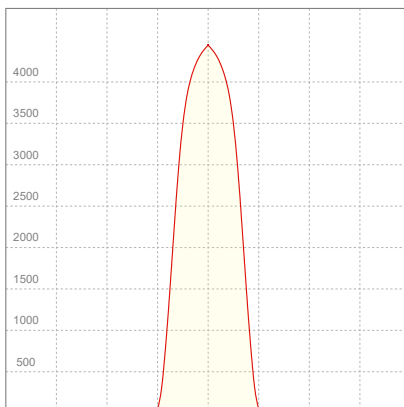
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
60,6°	80,8°	88,3°	99,4%	99,1%



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	4443lx	1111lx	494lx	278lx	178lx	79lx	44lx	20lx	11lx	7lx	5lx	3lx	2lx
Footcand.	413fcd	103fcd	46fcd	26fcd	17fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	1,2m	2,3m	3,5m	4,7m	5,8m	8,8m	11,7m	17,5m	23,4m	29,2m	35m	46,7m	58,4m
Beam wid.	3,9ft	7,7ft	11,4ft	15,3ft	19,2ft	28,7ft	38,3ft	57,5ft	76,6ft	95,8ft	114,9ft	153,2ft	191,5ft

LINEAR DISTRIBUTION DIAGRAM

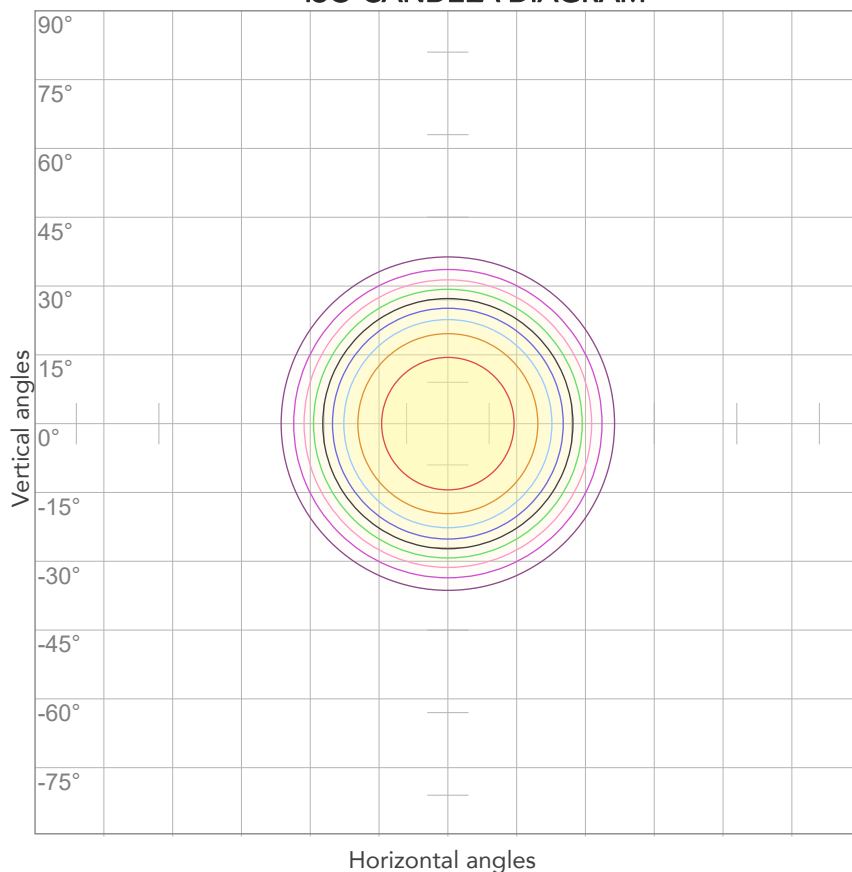


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,599A	132W	0,98	29lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



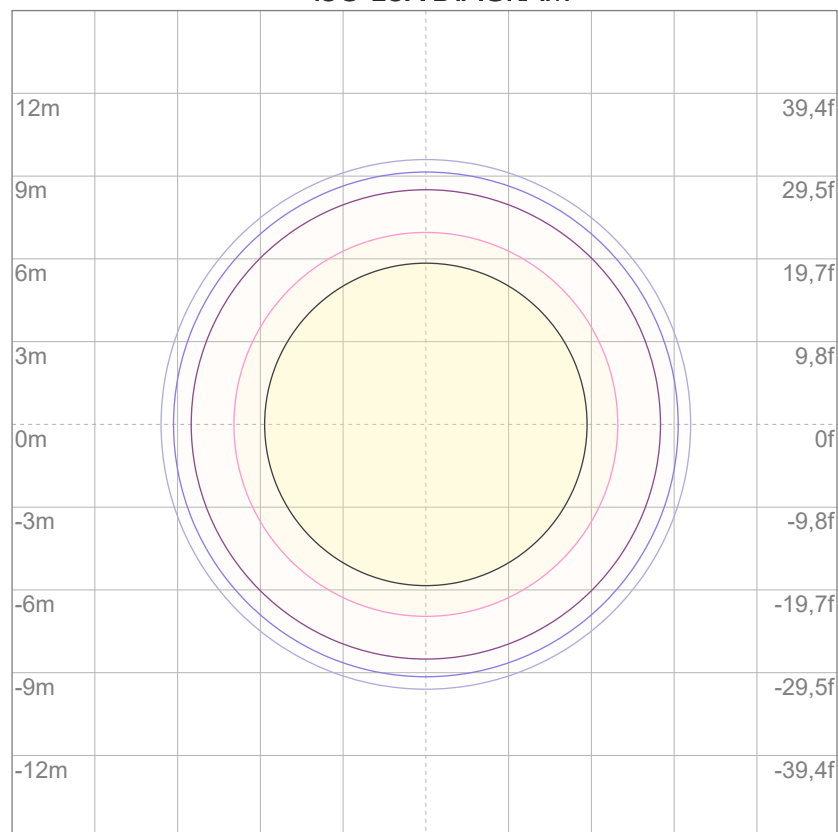
10%	444 cd
20%	889 cd
30%	1333 cd
40%	1777 cd
50%	2222 cd
60%	2666 cd
70%	3110 cd
80%	3554 cd

Conditions:

Number of c-planes: 2

Candela at center: 4443 cd

ISO LUX DIAGRAM



3%	1,33 lx
5%	2,22 lx
10%	4,44 lx
30%	13,3 lx
50%	22,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 44,4 lx

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



Total lumen output:

2979 lm

Peak candela output:

7883 cd

Light quality:

CRI: 97,3

Color temperature:

4045 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

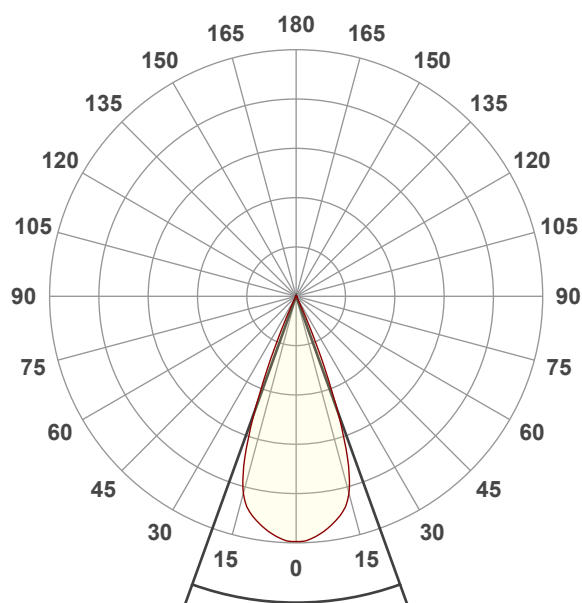
4000K- HQ

Operator:

Salvatore Giglio

Date and time:

30/05/2024 18:09:00

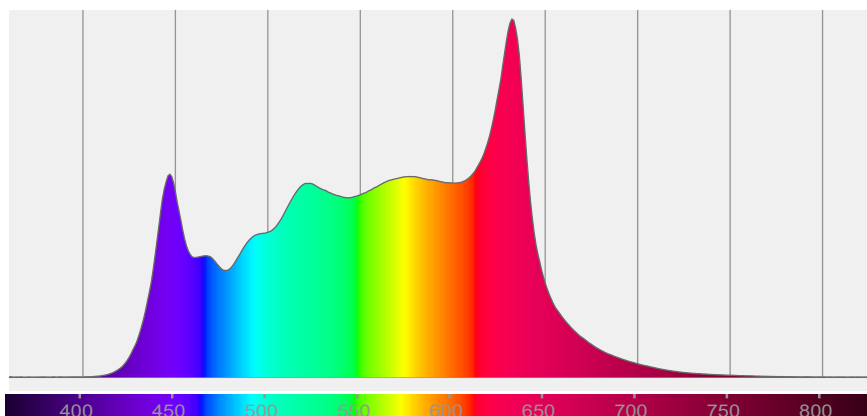


Beam angle 50%: 39,7°

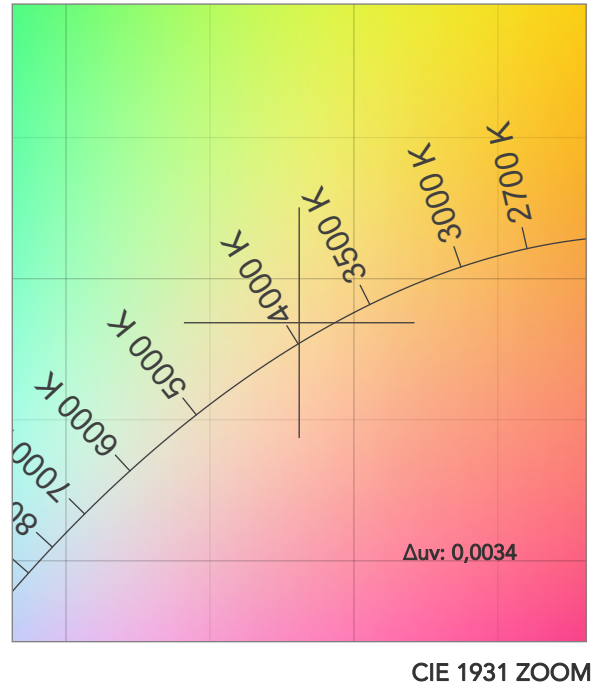
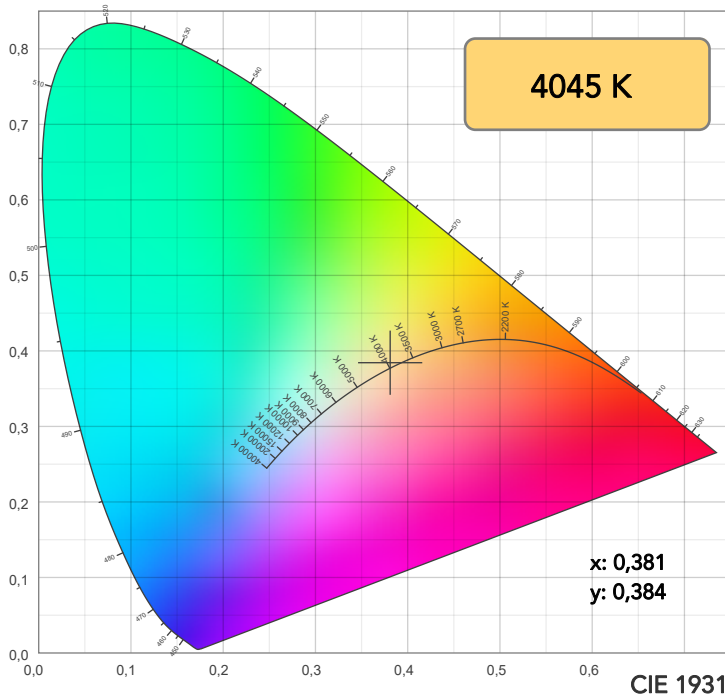
Field angle 10%: 49,4°

Cut off angle 2.5%: 54,4°

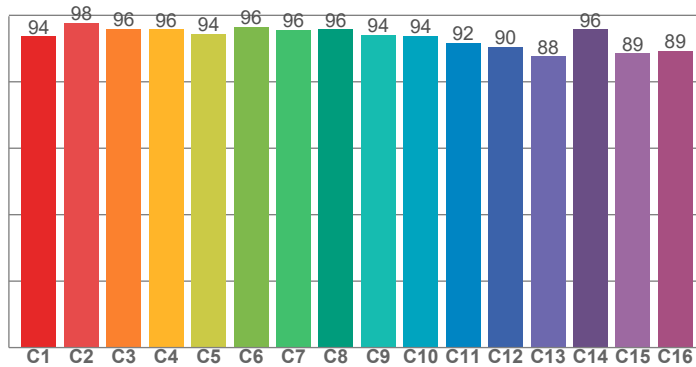
Spectra



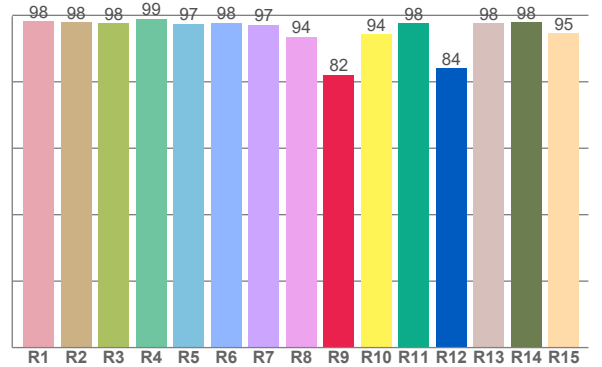
COLOR DETAILS



TM30: 93,7



CRI: 97,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,1	97,9	97,7	99,0	97,5	97,8	97,2	93,6	82,1	94,4	97,7	84,0	97,7	97,8	94,6

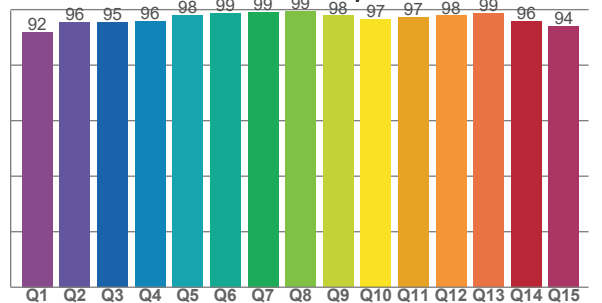
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,7	97,7	95,9	95,8	94,4	96,5	95,7	95,7	94,1	93,8	91,8	90,5	87,7	95,8	88,6	89,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91,9	95,6	95,4	95,9	98,1	98,8	99,2	99,4	97,8	96,6	97,4	97,8	98,7	95,9	94,0

CQS: 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
4045 K	97,3	82,1	93,7	98,9	96,3	90	0,381	0,384	0,0034

TM30 DETAILS

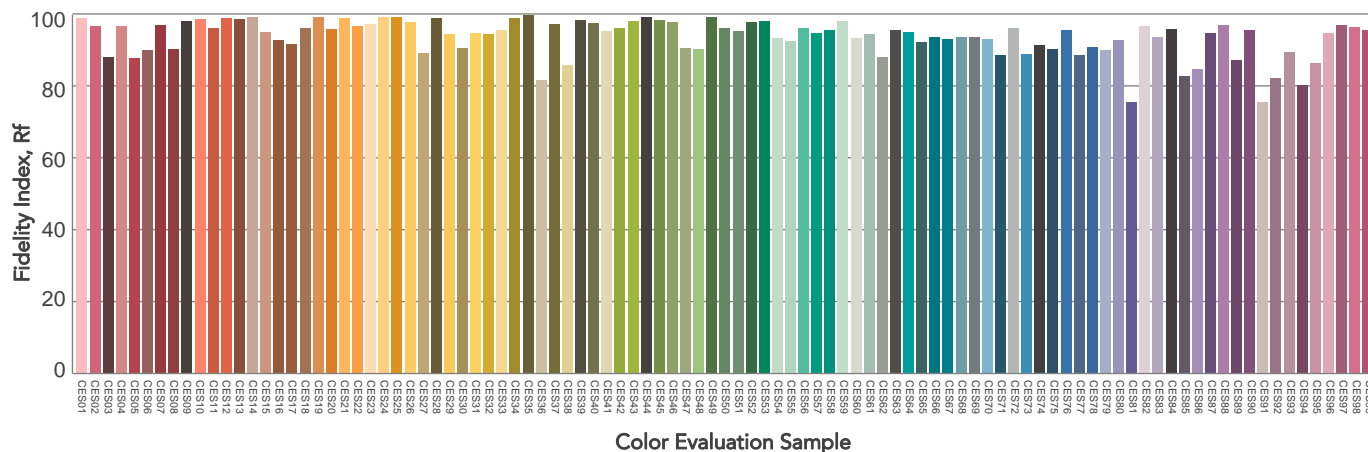
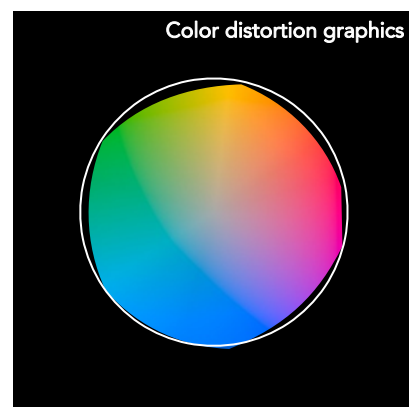
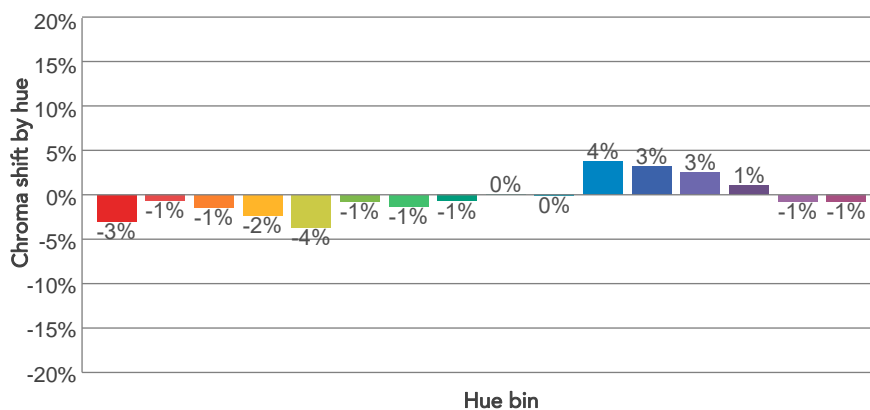
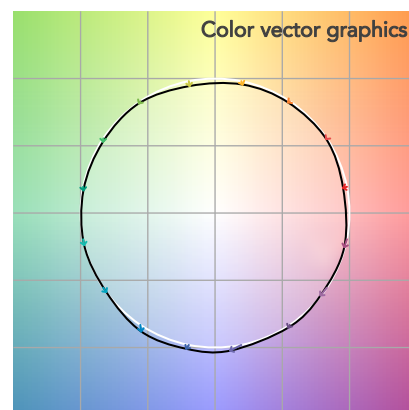
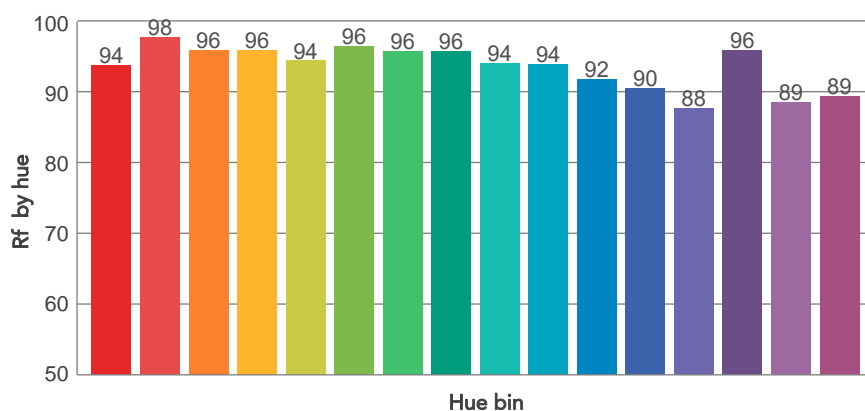
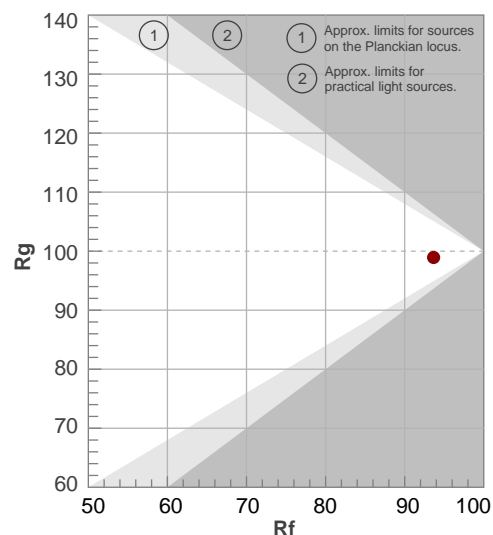
Rf 93,7

Fidelity index Rf

Rg 98,9

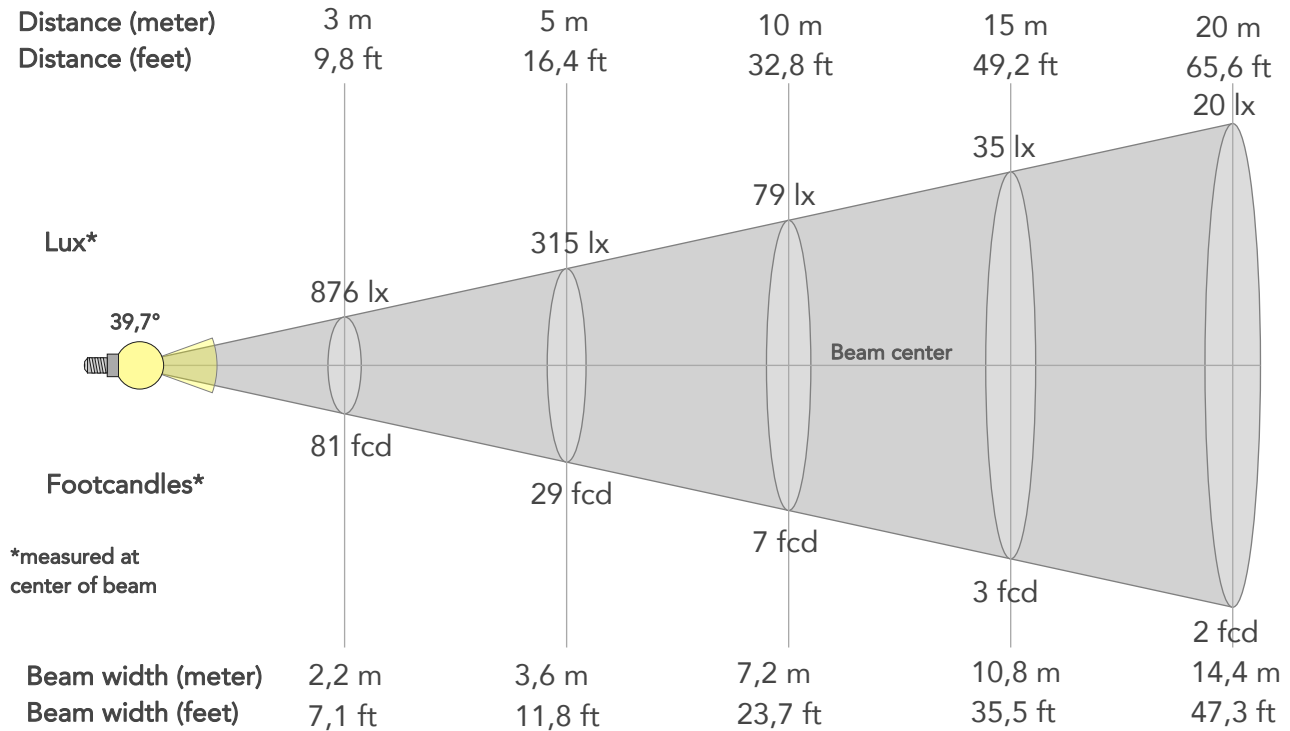
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-3%	0%
2	98	-1%	0%
3	96	-1%	1%
4	96	-2%	-1%
5	94	-4%	0%
6	96	-1%	2%
7	96	-1%	2%
8	96	-1%	3%
9	94	0%	4%
10	94	0%	4%
11	92	4%	3%
12	90	3%	-1%
13	88	3%	-9%
14	96	1%	-2%
15	89	-1%	-7%
16	89	-1%	-6%



BEAM DETAILS

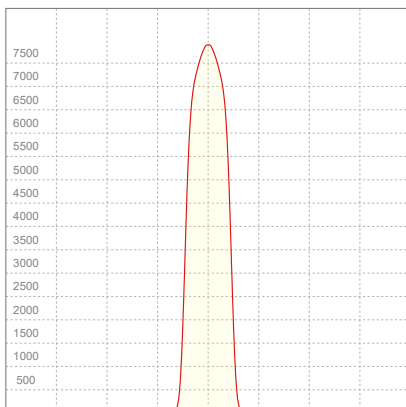
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,7°	49,4°	54,4°	99,1%	98,1%



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	7883lx	1971lx	876lx	493lx	315lx	140lx	79lx	35lx	20lx	13lx	9lx	5lx	3lx
Footcand.	732fcd	183fcd	81fcd	46fcd	29fcd	13fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,7m	1,4m	2,2m	2,9m	3,6m	5,4m	7,2m	10,8m	14,4m	18m	21,6m	28,9m	36,1m
Beam wid.	2,4ft	4,8ft	7,1ft	9,4ft	11,8ft	17,7ft	23,7ft	35,5ft	47,3ft	59,1ft	71ft	94,6ft	118,3ft

LINEAR DISTRIBUTION DIAGRAM

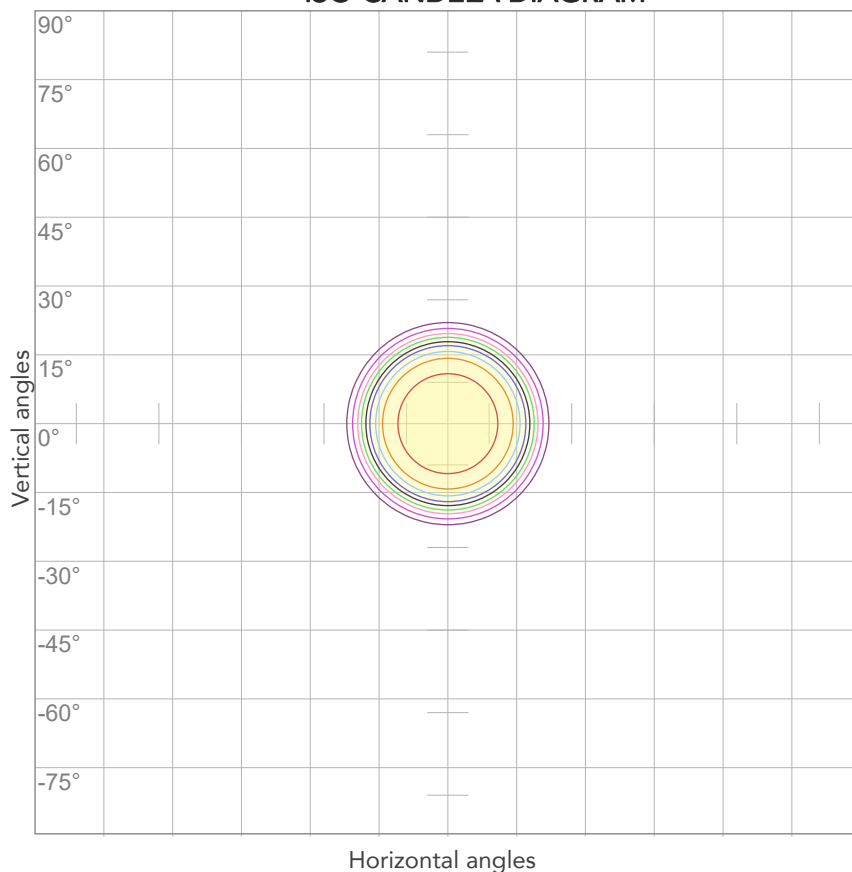


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,601A	133W	0,98	22lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



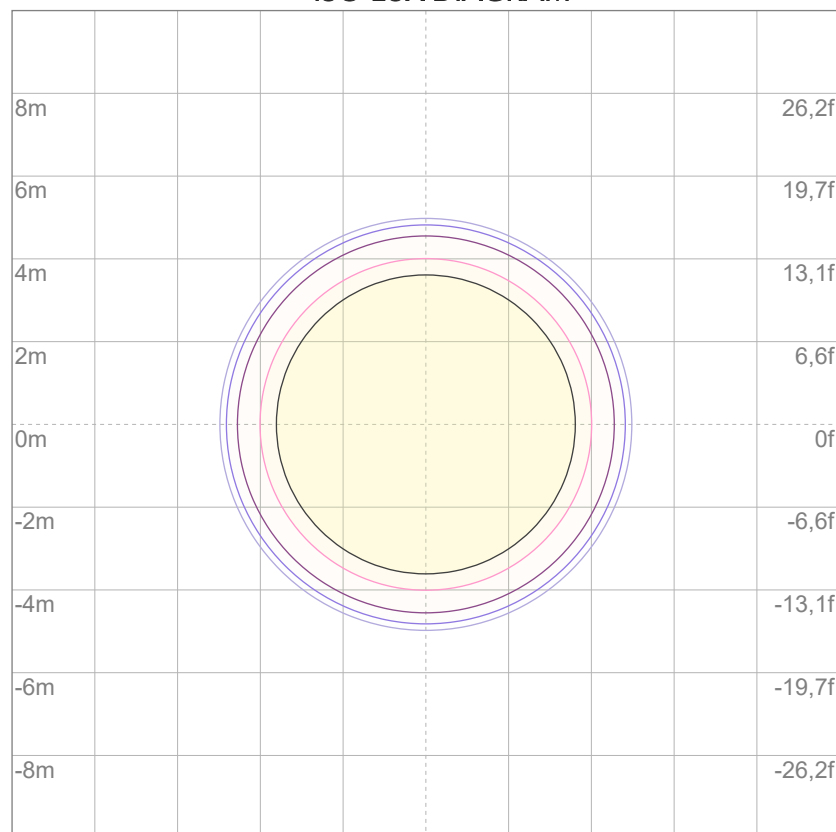
10%	788 cd
20%	1577 cd
30%	2365 cd
40%	3153 cd
50%	3941 cd
60%	4730 cd
70%	5518 cd
80%	6306 cd

Conditions:

Number of c-planes: 2

Candela at center: 7883 cd

ISO LUX DIAGRAM



3%	2,36 lx
5%	3,94 lx
10%	7,88 lx
30%	23,6 lx
50%	39,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 78,8 lx

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



Total lumen output:

2109 lm

Peak candela output:

19141 cd

Light quality:

CRI: 97,0

Color temperature:

4067 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

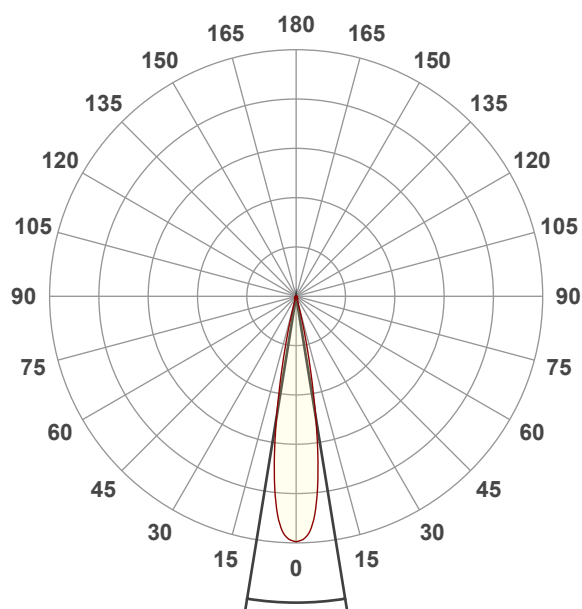
4000K - HQ

Operator:

Salvatore Giglio

Date and time:

31/05/2024 09:17:14

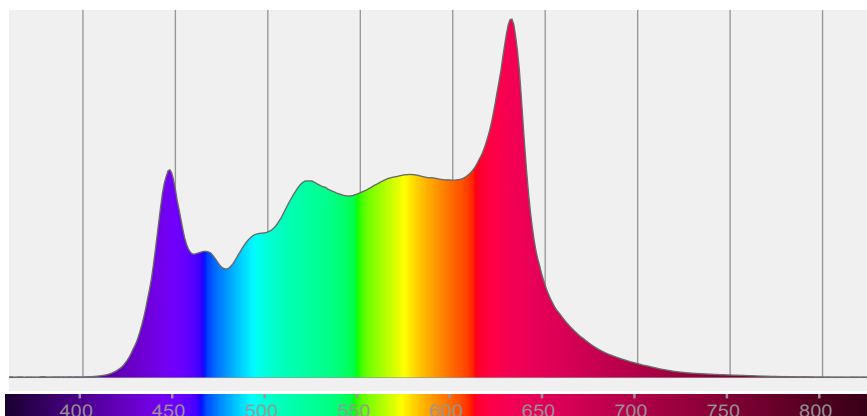


Beam angle 50%: 18,4°

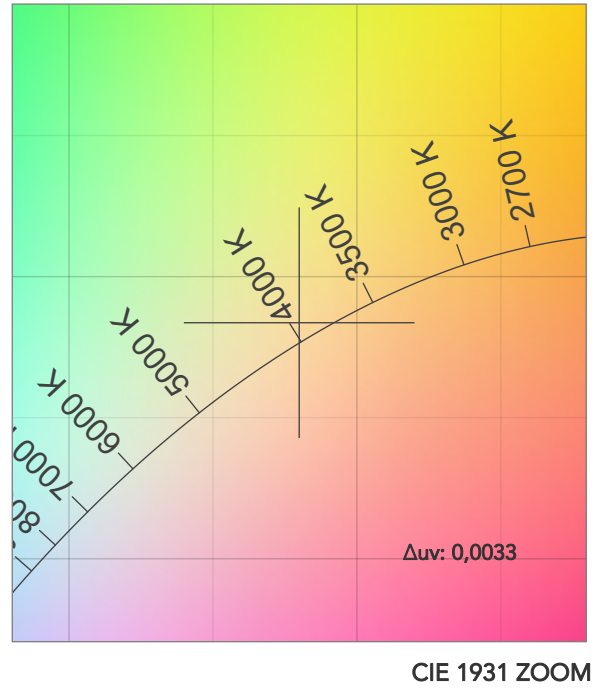
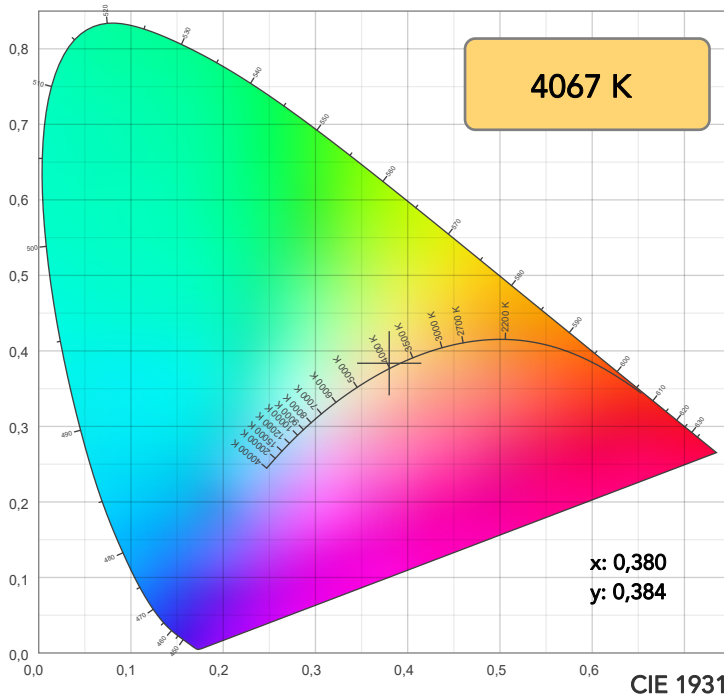
Field angle 10%: 27,5°

Cut off angle 2.5%: 32,6°

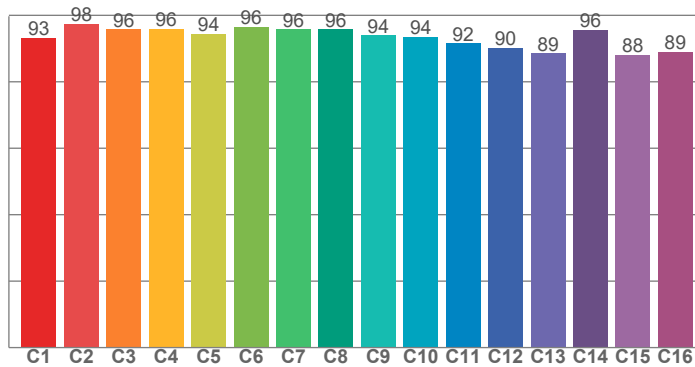
Spectra



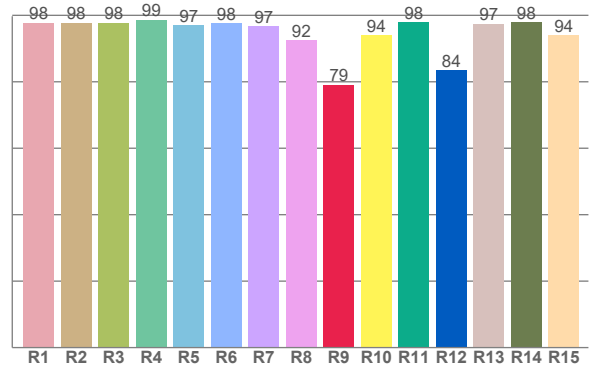
COLOR DETAILS



TM30: 93,5



CRI: 97,0 (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
97,8	97,7	97,8	98,7	97,1	97,6	96,7	92,4	79,1	94,0	98,0	83,5	97,5	97,9	94,0

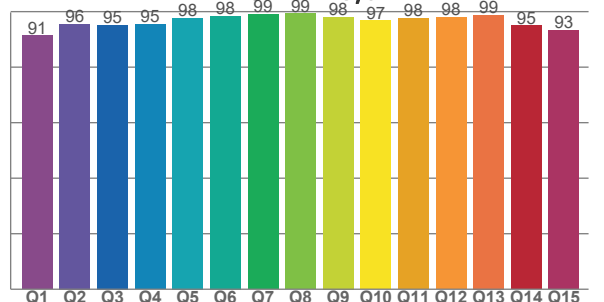
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,2	97,5	95,7	96,0	94,4	96,5	95,8	95,8	94,0	93,5	91,5	90,3	88,5	95,7	88,1	88,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91,3	95,6	95,1	95,5	97,7	98,5	99,0	99,3	98,0	96,8	97,6	98,0	98,7	95,0	93,2

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
4067 K	97,0	79,1	93,5	98,8	96,0	89	0,380	0,384	0,0033

TM30 DETAILS

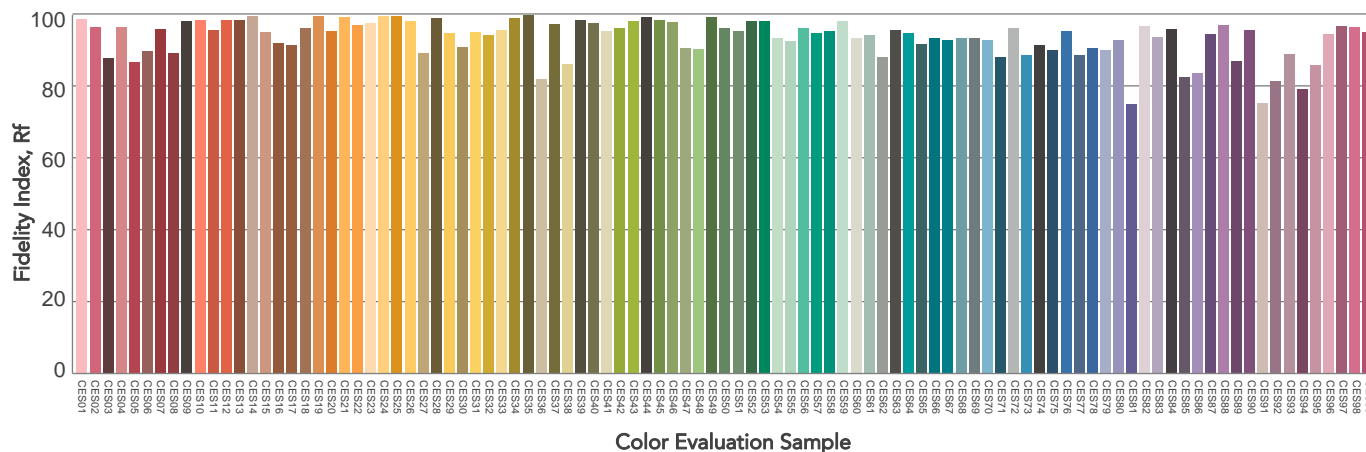
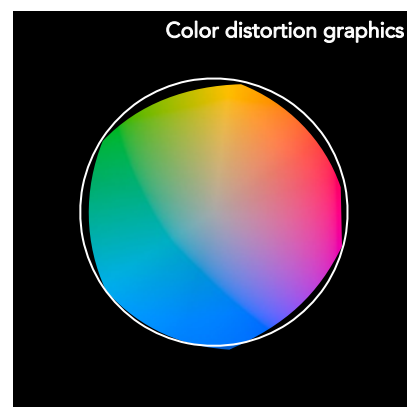
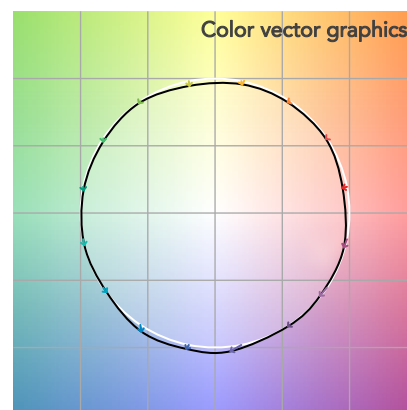
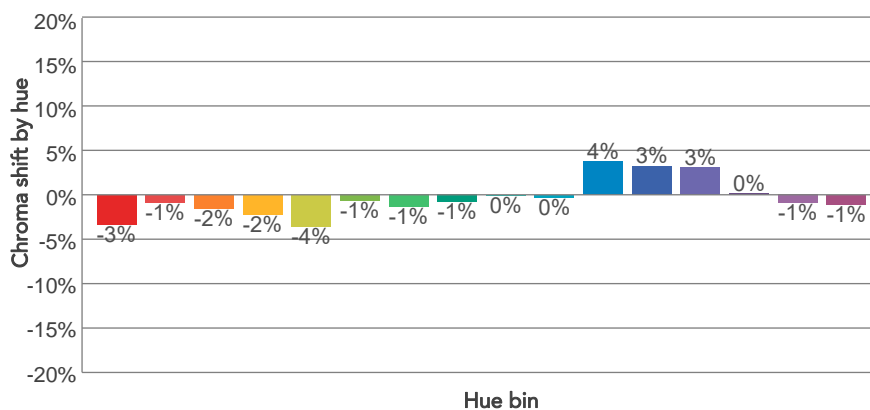
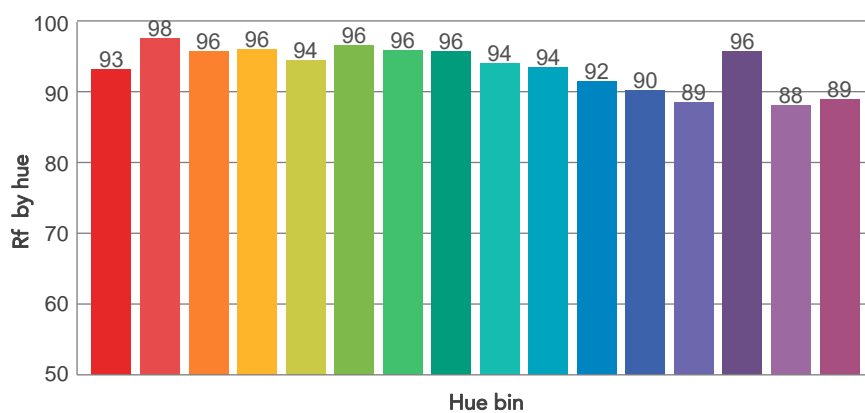
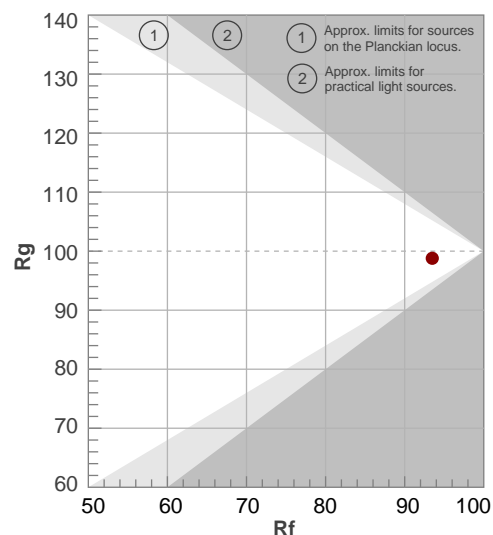
Rf 93,5

Fidelity index R_f

Rg 98,8

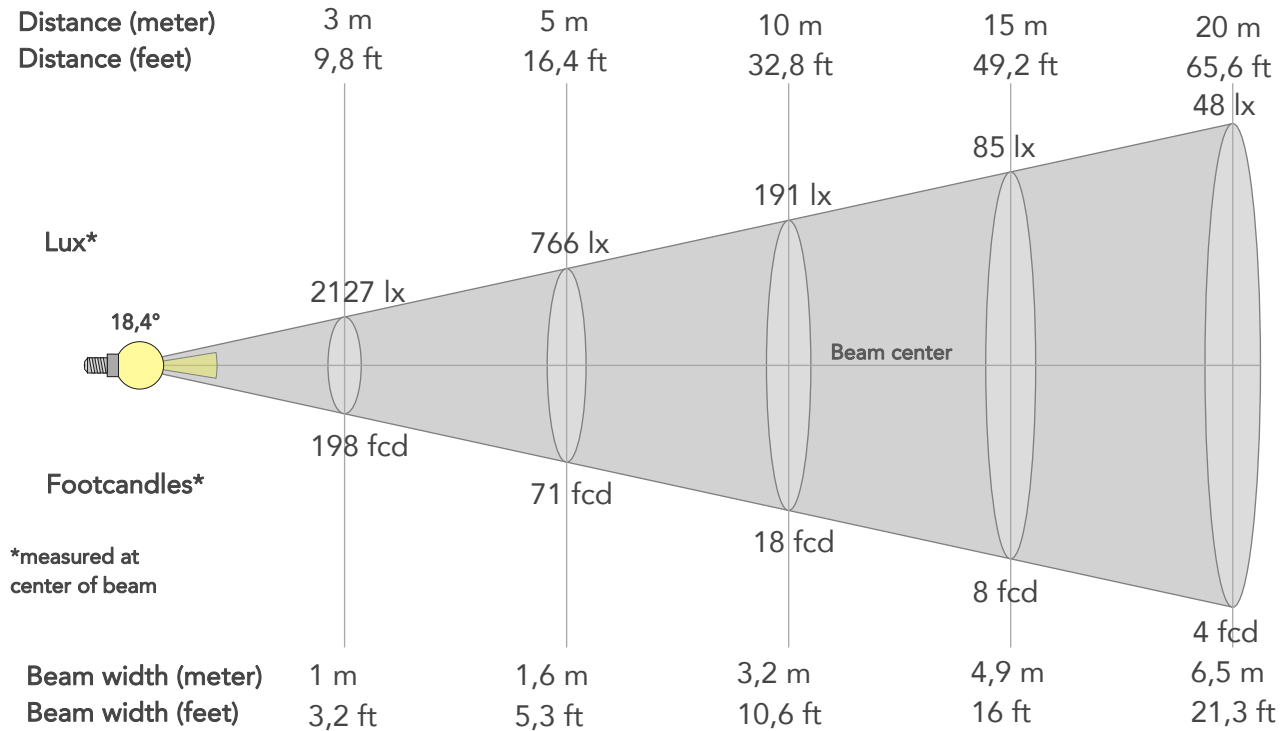
Gammut index

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	93	-3%	0%
2	98	-1%	0%
3	96	-2%	1%
4	96	-2%	-1%
5	94	-4%	0%
6	96	-1%	2%
7	96	-1%	2%
8	96	-1%	2%
9	94	0%	4%
10	94	0%	4%
11	92	4%	3%
12	90	3%	-1%
13	89	3%	-9%
14	96	0%	-2%
15	88	-1%	-8%
16	89	-1%	-6%



BEAM DETAILS

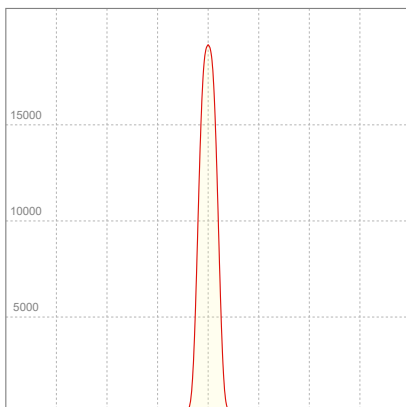
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,4°	27,5°	32,6°	99,0%	97,1%



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	19141lx	4785lx	2127lx	1196lx	766lx	340lx	191lx	85lx	48lx	31lx	21lx	12lx	8lx
Footcand.	1778fcd	445fcd	198fcd	111fcd	71fcd	32fcd	18fcd	8fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,3m	0,6m	1m	1,3m	1,6m	2,4m	3,2m	4,9m	6,5m	8,1m	9,7m	13m	16,2m
Beam wid.	1,1ft	2,1ft	3,2ft	4,2ft	5,3ft	8ft	10,6ft	16ft	21,3ft	26,6ft	31,9ft	42,5ft	53,2ft

LINEAR DISTRIBUTION DIAGRAM

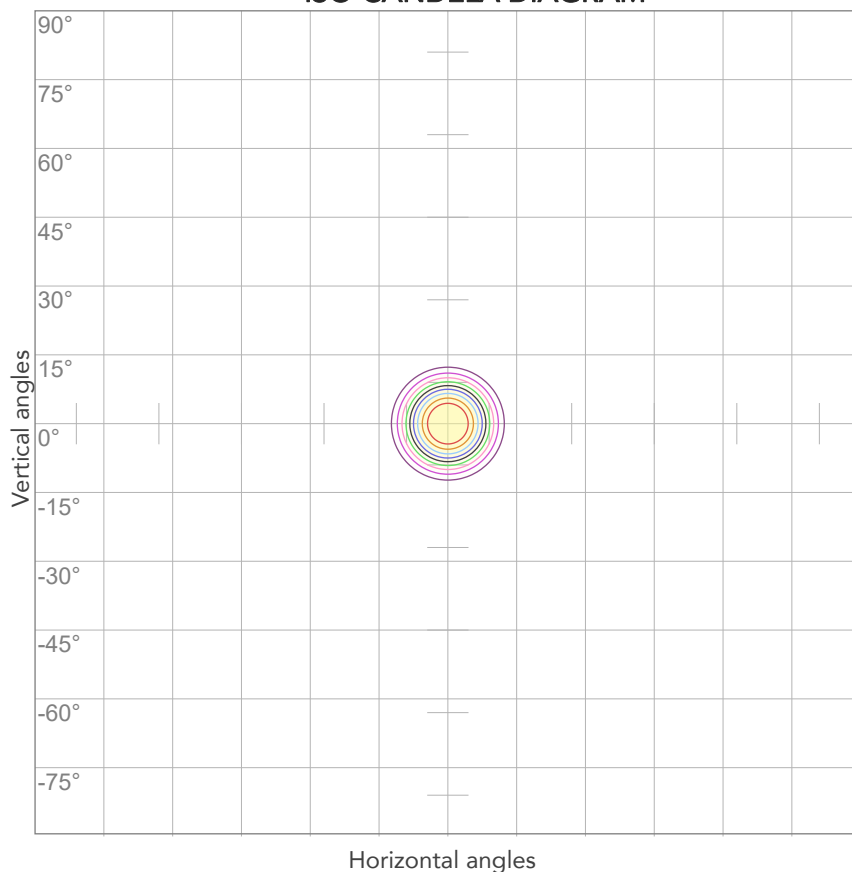


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,595A	131,5W	0,98	16lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



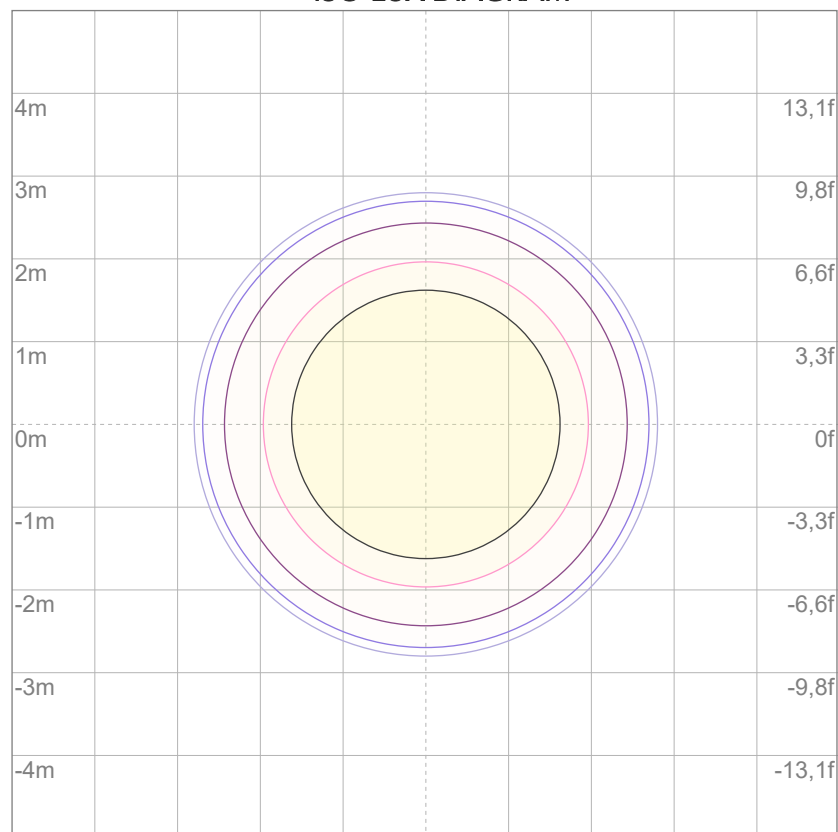
10%	1914 cd
20%	3828 cd
30%	5742 cd
40%	7657 cd
50%	9571 cd
60%	11485 cd
70%	13399 cd
80%	15313 cd

Conditions:

Number of c-planes: 2

Candela at center: 19141 cd

ISO LUX DIAGRAM



3%	5,74 lx
5%	9,57 lx
10%	19,1 lx
30%	57,4 lx
50%	95,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 191 lx

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



Total lumen output:

2610 lm

Peak candela output:

2953 cd

Light quality:

CRI: 94,7

Color temperature:

5625 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

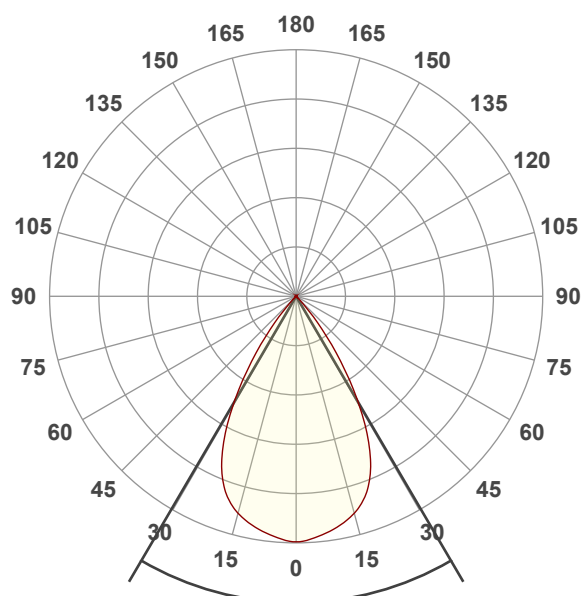
5600K - HQ

Operator:

Salvatore Giglio

Date and time:

31/05/2024 09:05:14

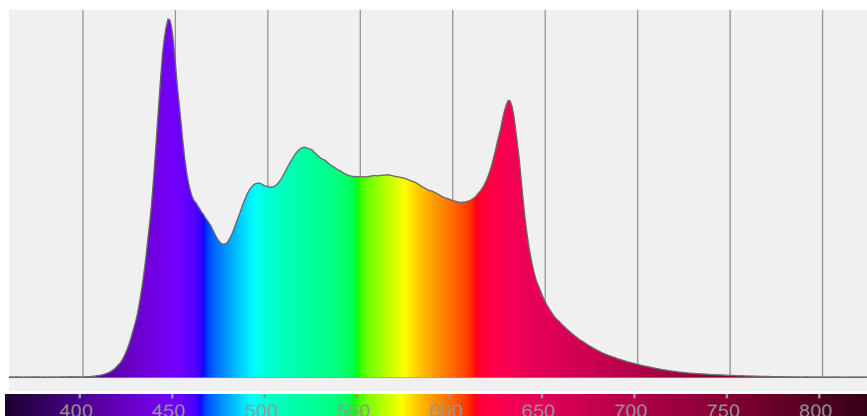


Beam angle 50%: 60,7°

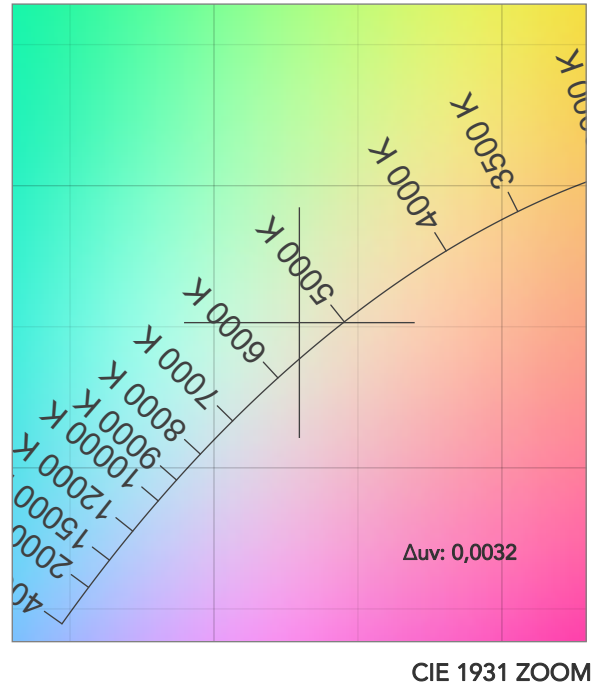
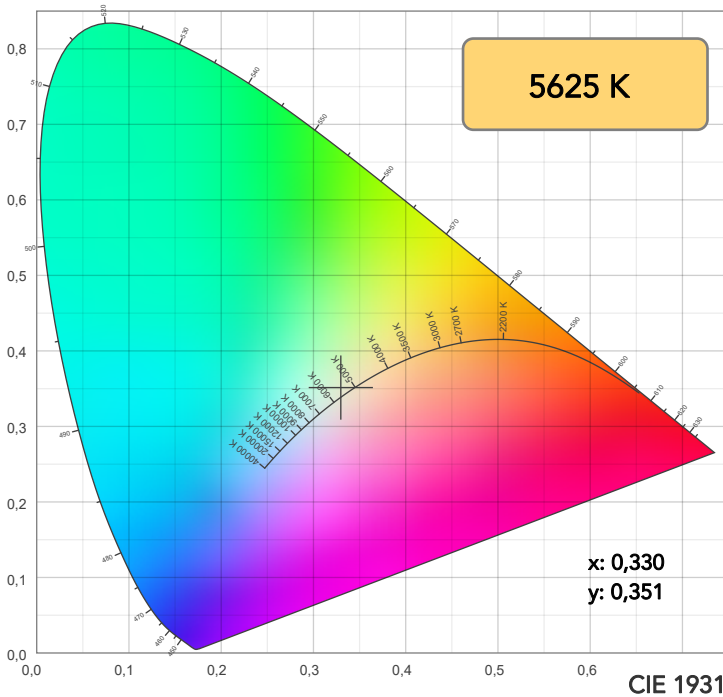
Field angle 10%: 81,1°

Cut off angle 2.5%: 88,8°

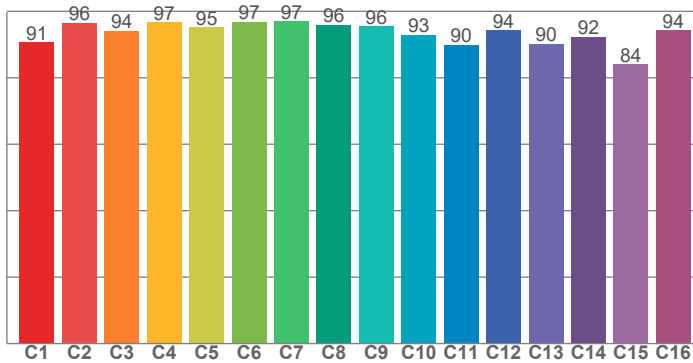
Spectra



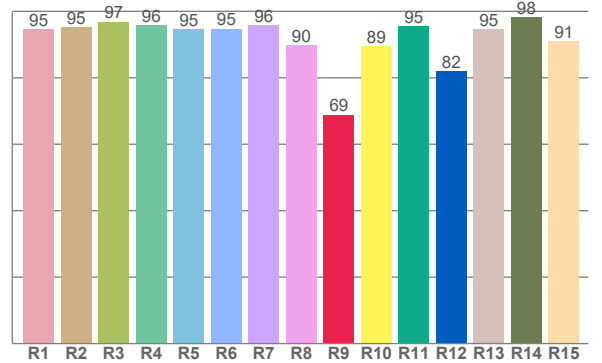
COLOR DETAILS



TM30: 93,5



CRI: 94,7 (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
94,7	95,3	96,9	95,9	94,7	94,8	95,9	89,8	68,9	89,5	95,5	81,9	94,6	98,1	91,0

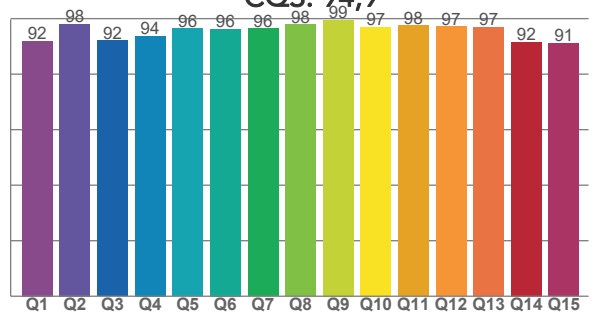
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,7	96,5	94,1	96,7	95,2	96,8	97,0	96,0	95,5	92,9	89,9	94,2	90,2	92,3	84,1	94,3

CQS Q values

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

CQS: 94,9



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
5625 K	94,7	68,9	93,5	99,5	94,9	93	0,330	0,351	0,0032

TM30 DETAILS

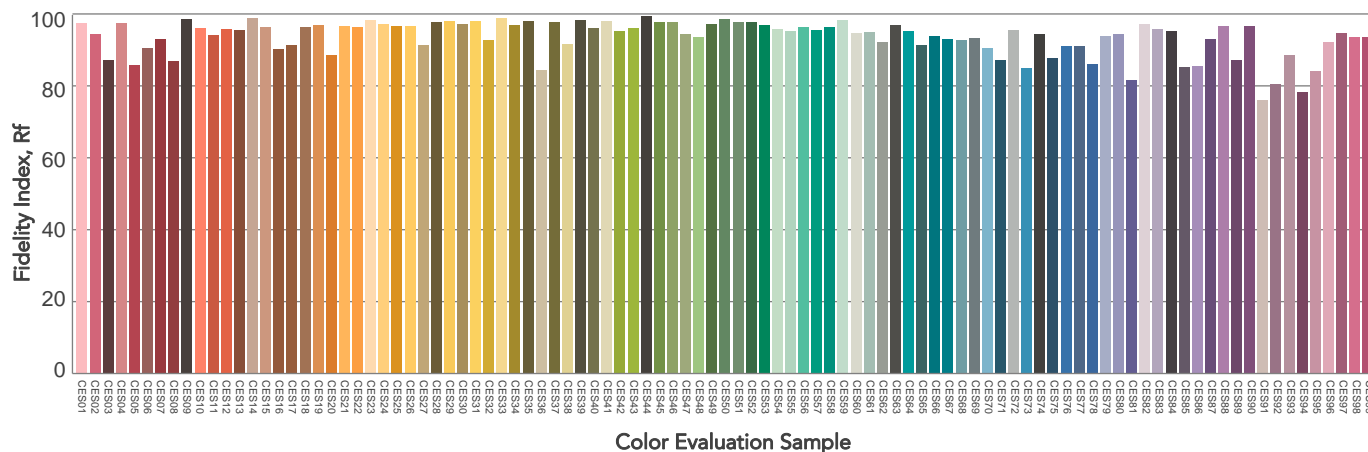
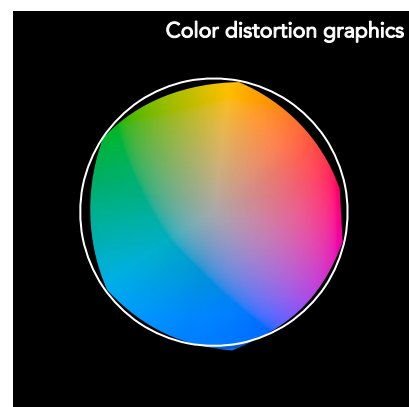
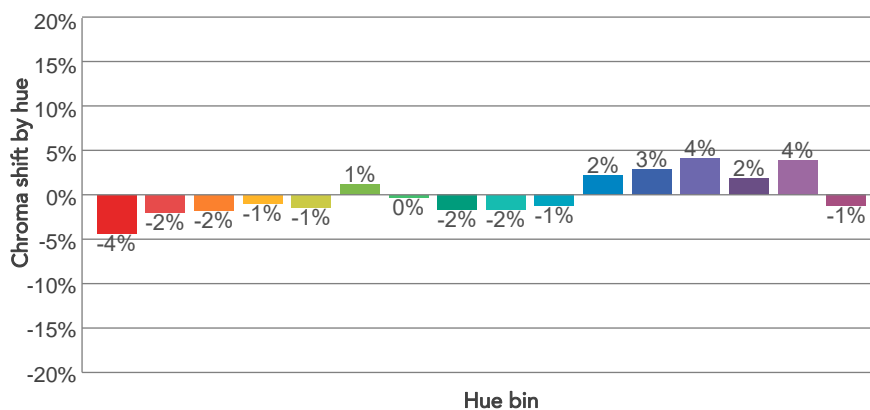
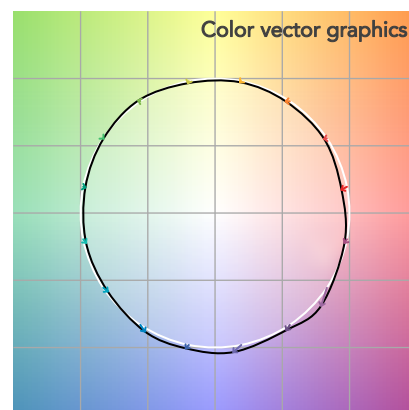
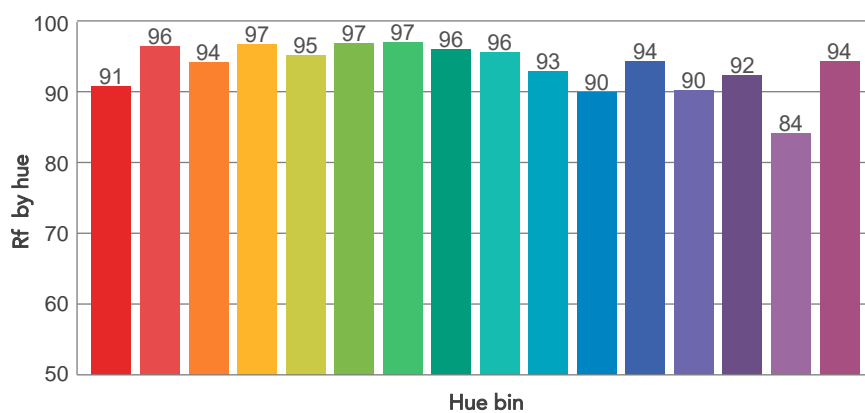
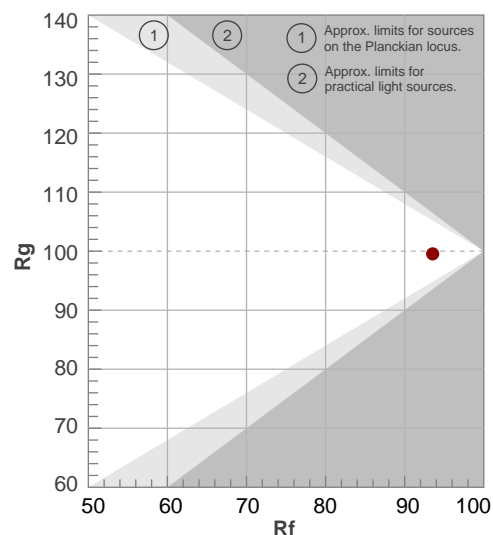
Rf 93,5

Fidelity index Rf

Rg 99,5

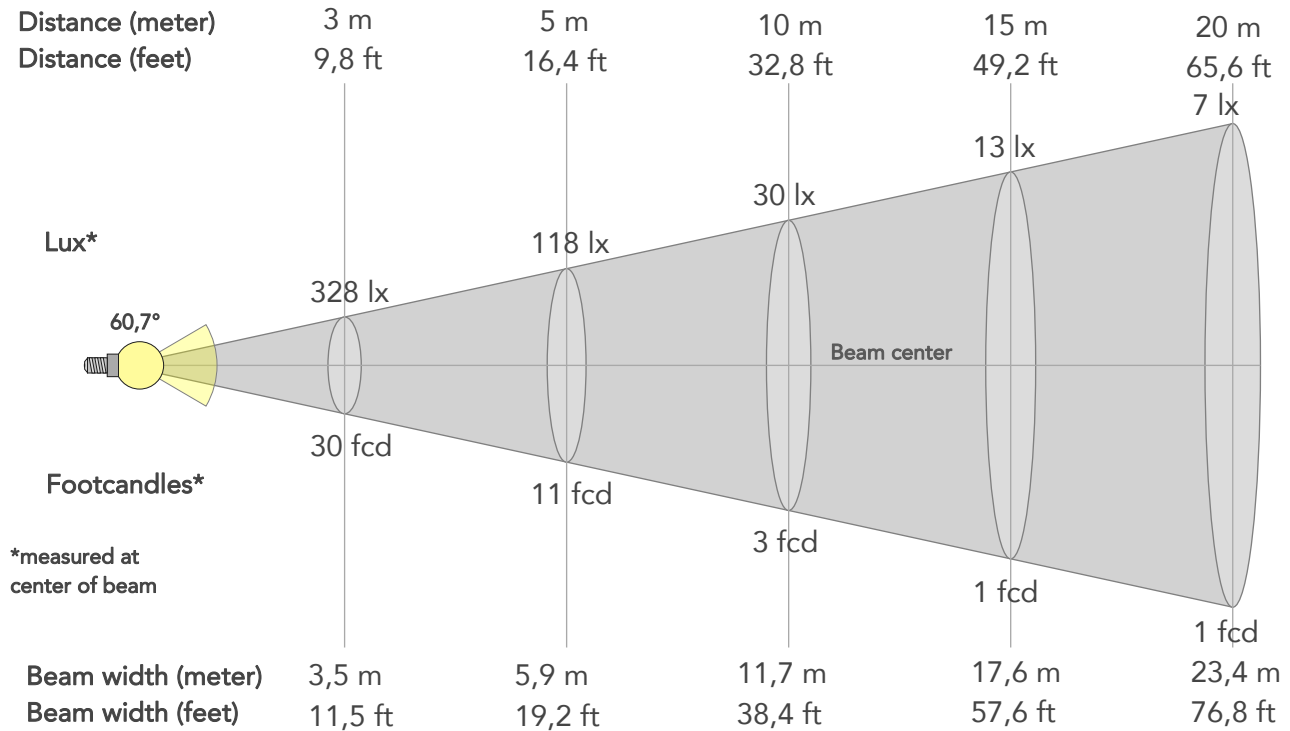
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-4%	-1%
2	96	-2%	1%
3	94	-2%	2%
4	97	-1%	1%
5	95	-1%	1%
6	97	1%	1%
7	97	0%	0%
8	96	-2%	0%
9	96	-2%	3%
10	93	-1%	4%
11	90	2%	6%
12	94	3%	-2%
13	90	4%	-7%
14	92	2%	-4%
15	84	4%	-13%
16	94	-1%	-3%



BEAM DETAILS

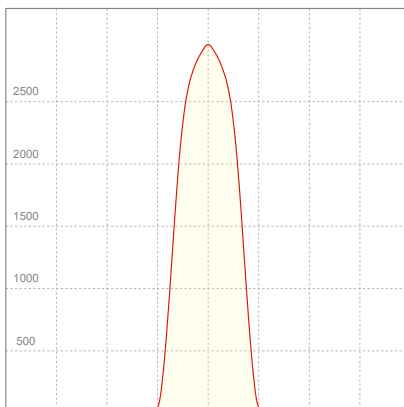
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
60,7°	81,1°	88,8°	99,3%	98,9%



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	2953lx	738lx	328lx	185lx	118lx	52lx	30lx	13lx	7lx	5lx	3lx	2lx	1lx
Footcand.	274fcd	69fcd	30fcd	17fcd	11fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,2m	2,3m	3,5m	4,7m	5,9m	8,8m	11,7m	17,6m	23,4m	29,3m	35,1m	46,8m	58,6m
Beam wid.	3,9ft	7,7ft	11,5ft	15,3ft	19,2ft	28,8ft	38,4ft	57,6ft	76,8ft	96ft	115,2ft	153,7ft	192,1ft

LINEAR DISTRIBUTION DIAGRAM

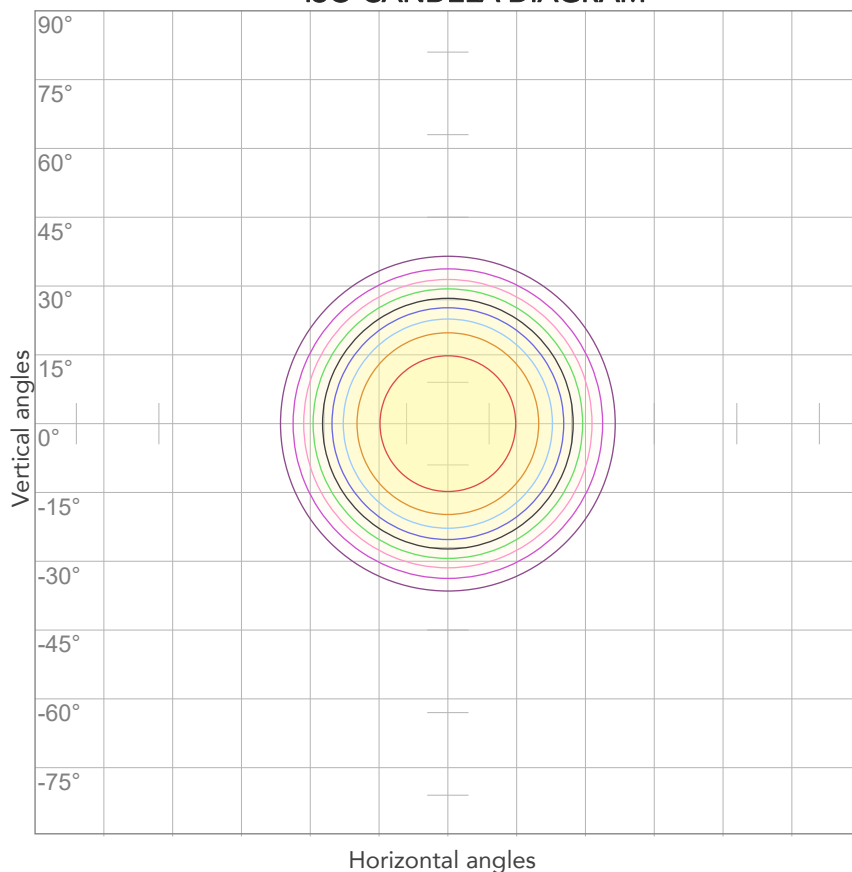


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,422A	92,2W	0,97	28lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



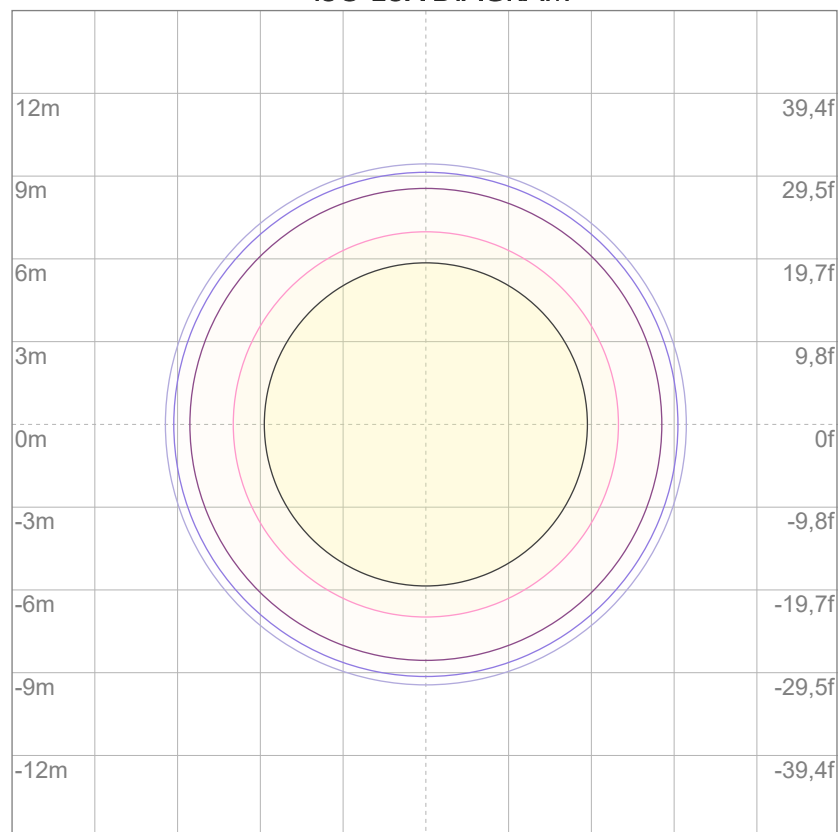
10%	295 cd
20%	591 cd
30%	886 cd
40%	1181 cd
50%	1476 cd
60%	1772 cd
70%	2067 cd
80%	2362 cd

Conditions:

Number of c-planes: 2

Candela at center: 2953 cd

ISO LUX DIAGRAM



3%	0,886 lx
5%	1,48 lx
10%	2,95 lx
30%	8,86 lx
50%	14,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 29,5 lx

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



Total lumen output:

1985 lm

Peak candela output:

5255 cd

Light quality:

CRI: 95,3

Color temperature:

5645 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

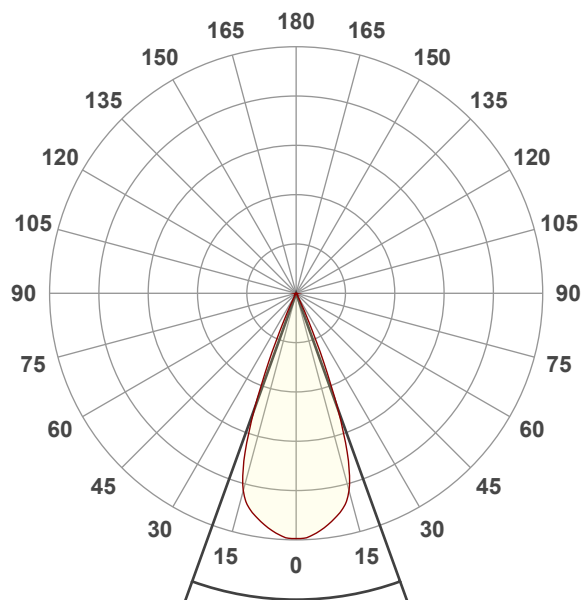
5600K- HQ

Operator:

Salvatore Giglio

Date and time:

30/05/2024 18:11:50

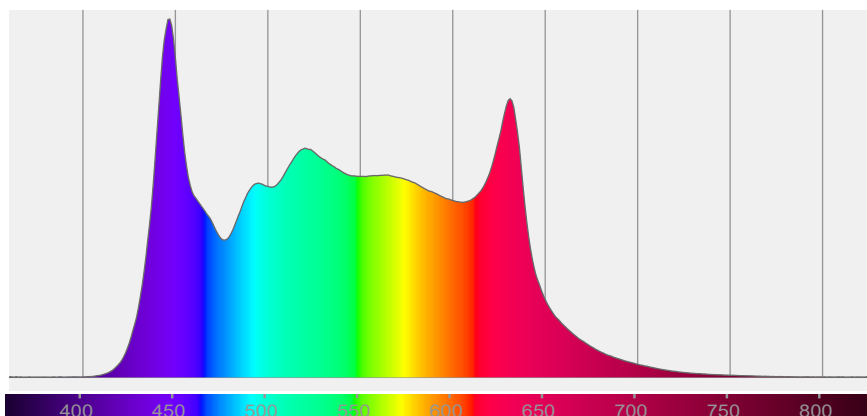


Beam angle 50%: 39,7°

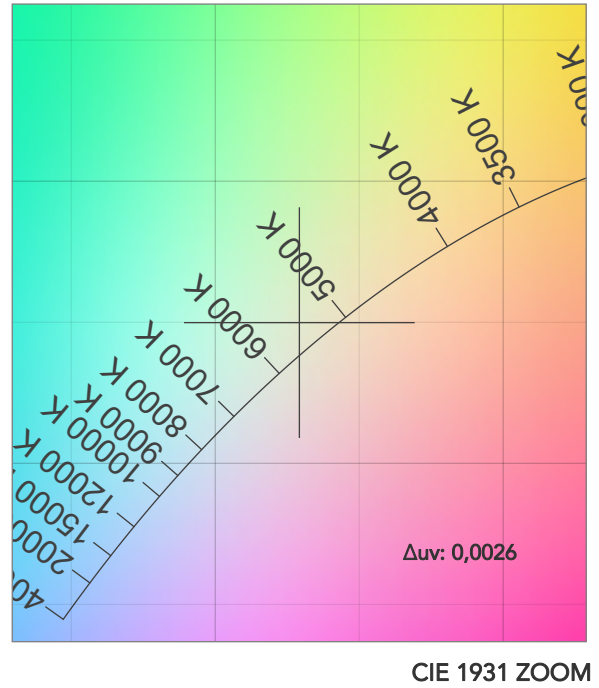
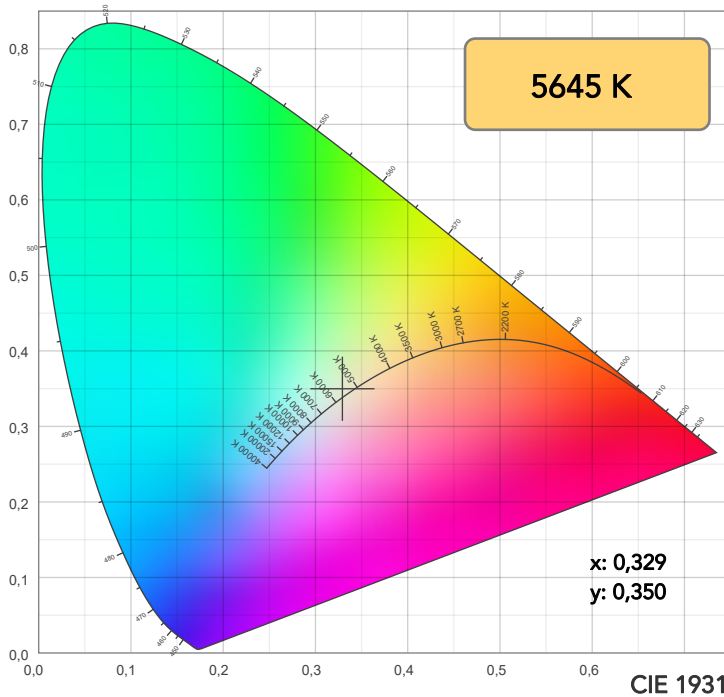
Field angle 10%: 49,3°

Cut off angle 2.5%: 54,4°

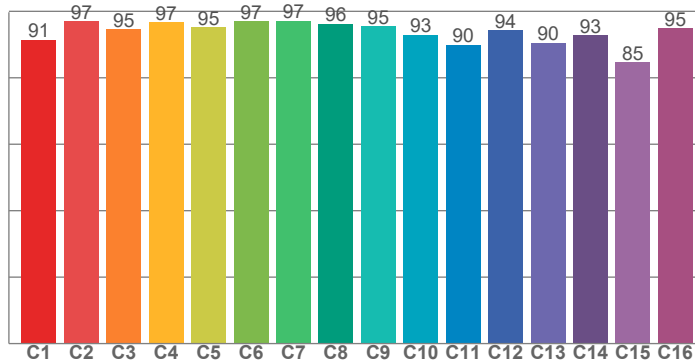
Spectra



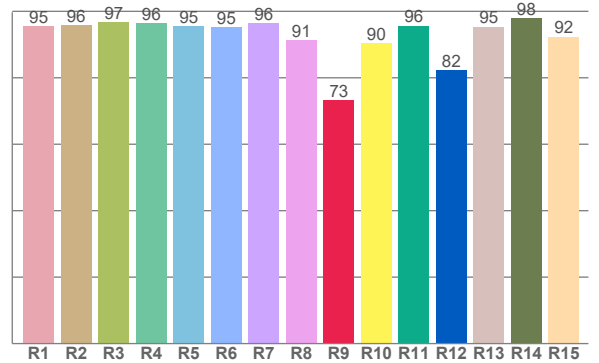
COLOR DETAILS



TM30: 93,8



CRI: 95,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,5	95,8	96,7	96,4	95,4	95,1	96,3	91,3	73,2	90,4	95,7	82,2	95,4	98,0	92,3

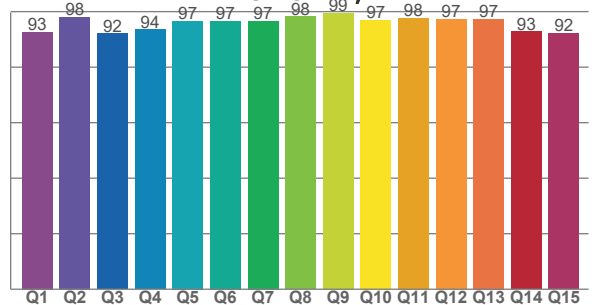
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91,5	96,9	94,5	96,7	95,2	96,9	97,1	96,2	95,5	92,9	89,9	94,3	90,5	92,7	84,6	94,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,7	98,1	92,1	93,6	96,7	96,6	96,7	98,2	99,4	97,0	97,7	97,4	97,3	92,8	92,2

CQS: 95,2



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
5645 K	95,3	73,2	93,8	99,8	95,2	94	0,329	0,350	0,0026

TM30 DETAILS

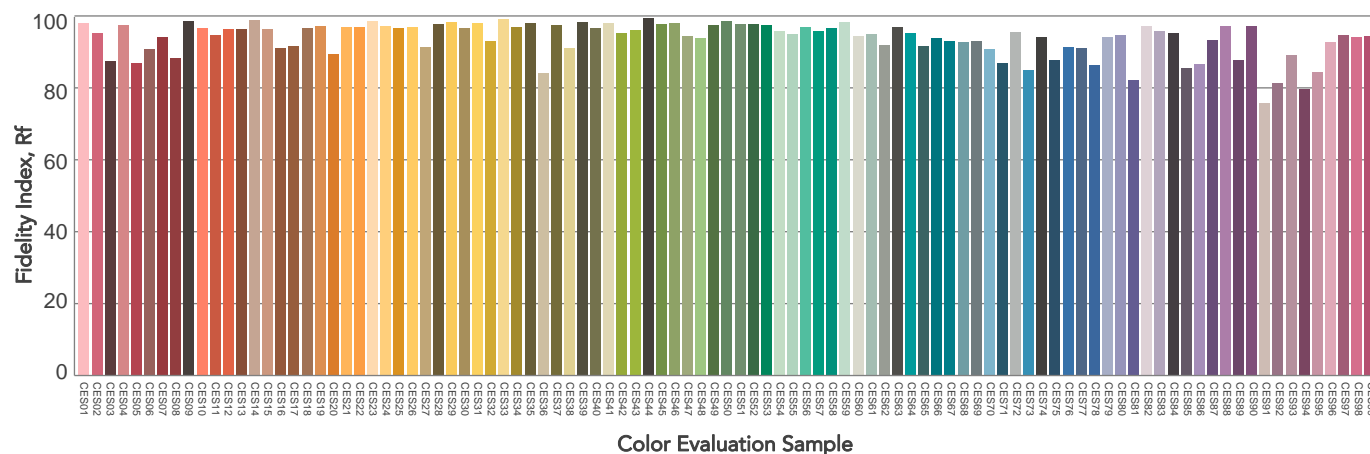
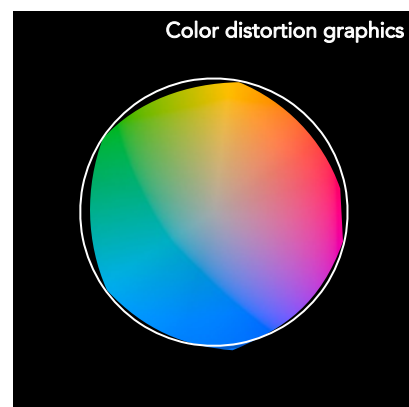
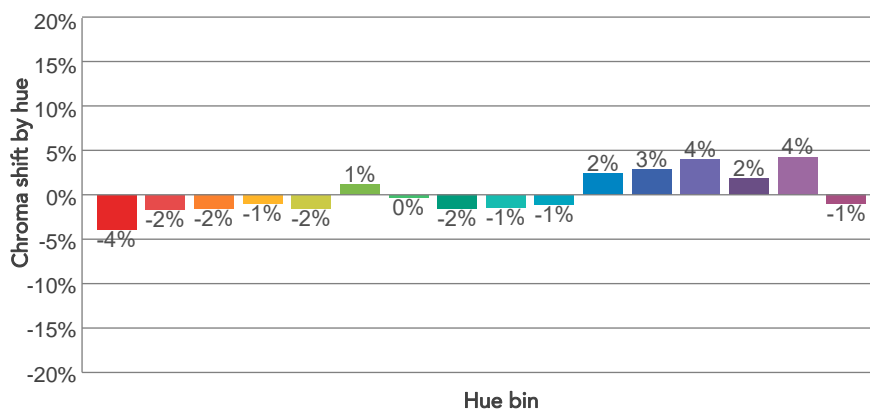
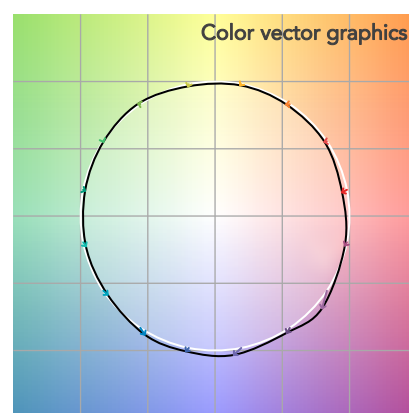
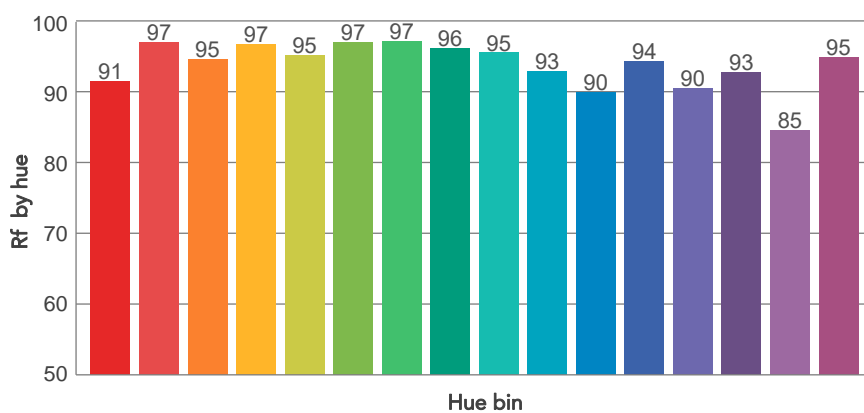
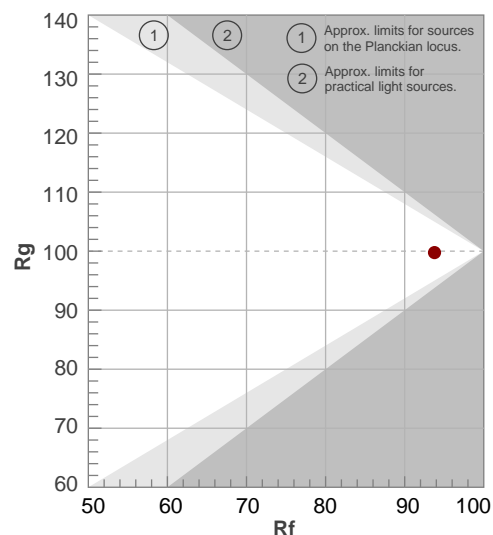
Rf 93,8

Fidelity index Rf

Rg 99,8

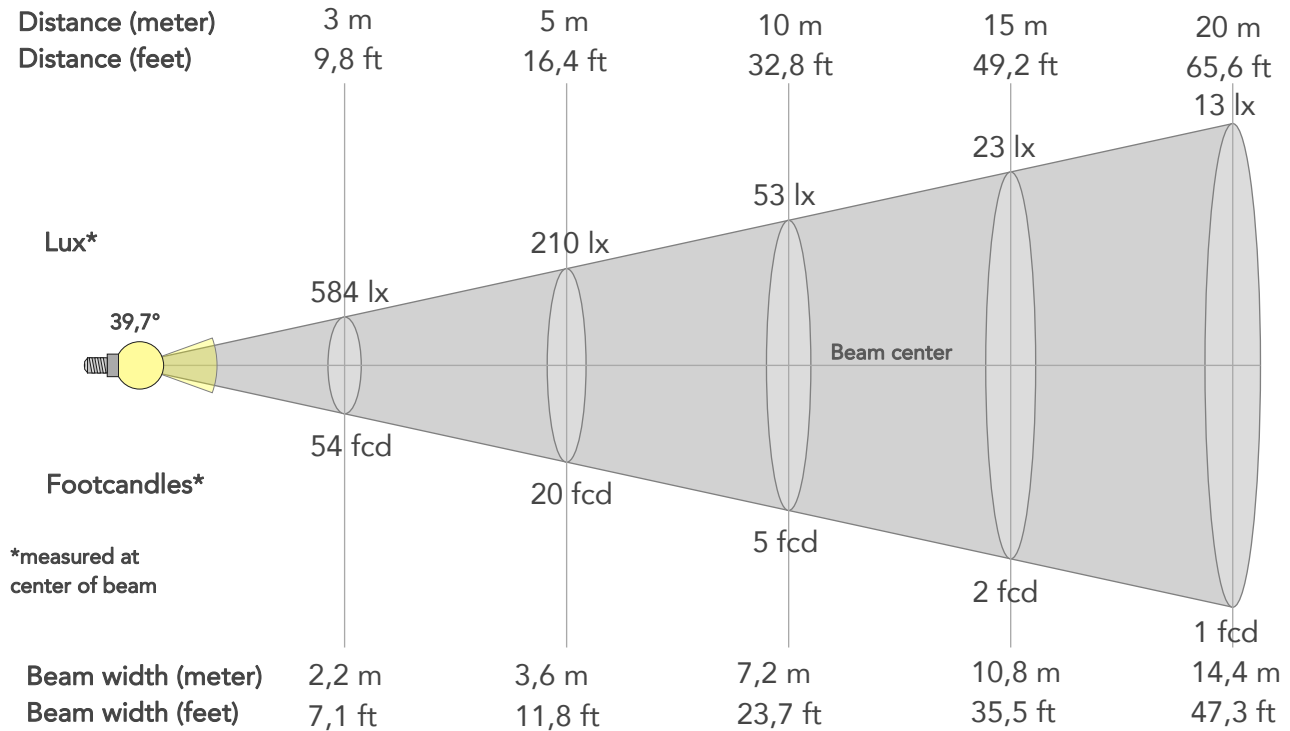
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-4%	-1%
2	97	-2%	1%
3	95	-2%	2%
4	97	-1%	1%
5	95	-2%	1%
6	97	1%	1%
7	97	0%	0%
8	96	-2%	0%
9	95	-1%	3%
10	93	-1%	4%
11	90	2%	6%
12	94	3%	-2%
13	90	4%	-6%
14	93	2%	-4%
15	85	4%	-13%
16	95	-1%	-3%



BEAM DETAILS

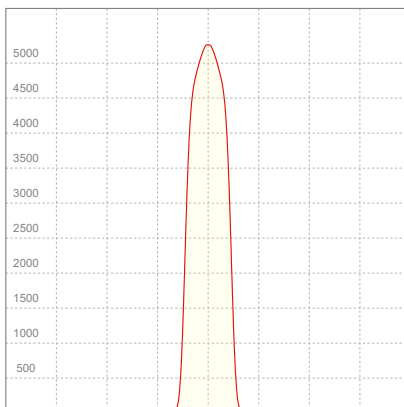
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,7°	49,3°	54,4°	99,1%	98,1%



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	5255lx	1314lx	584lx	328lx	210lx	93lx	53lx	23lx	13lx	8lx	6lx	3lx	2lx
Footcand.	488fcd	122fcd	54fcd	31fcd	20fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,7m	1,4m	2,2m	2,9m	3,6m	5,4m	7,2m	10,8m	14,4m	18m	21,7m	28,9m	36,1m
Beam wid.	2,4ft	4,8ft	7,1ft	9,5ft	11,8ft	17,8ft	23,7ft	35,5ft	47,3ft	59,2ft	71ft	94,7ft	118,4ft

LINEAR DISTRIBUTION DIAGRAM

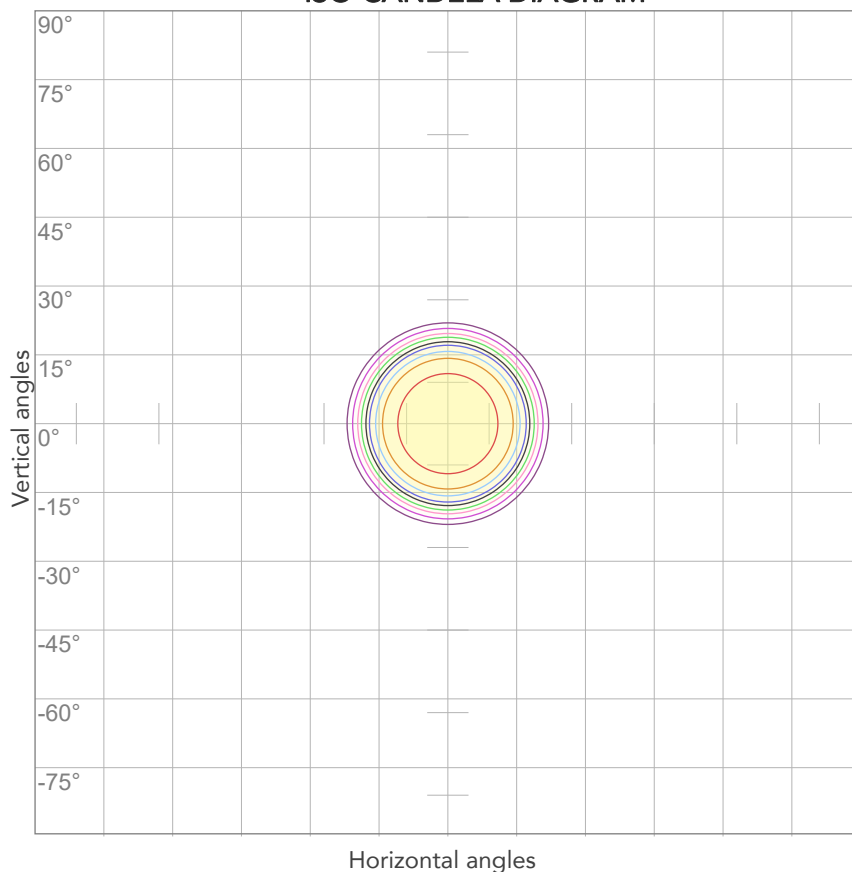


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,420A	91,8W	0,96	22lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



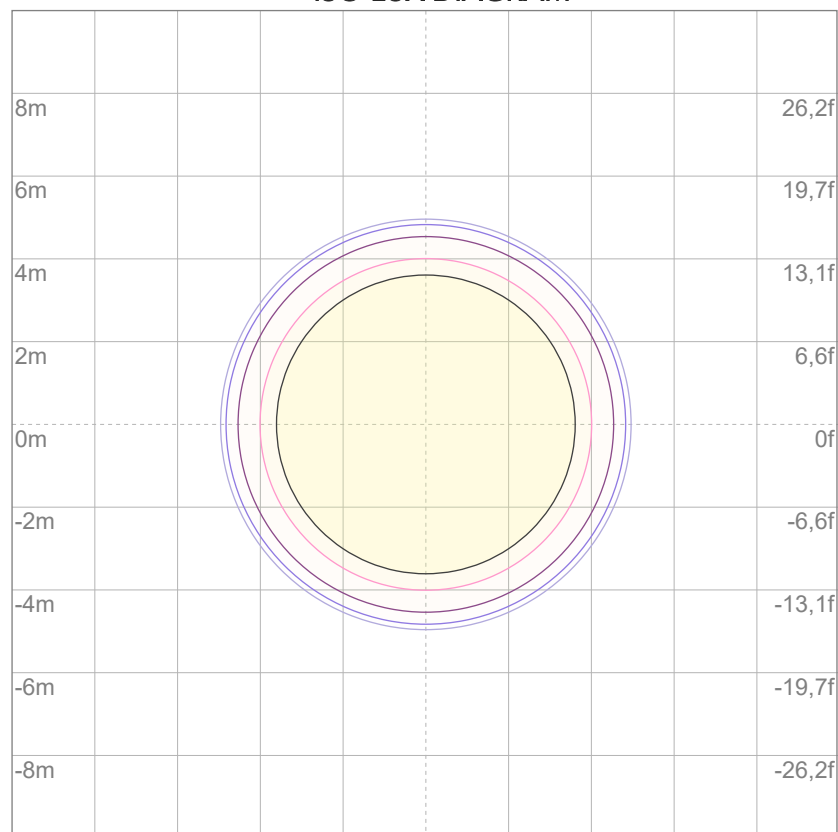
10%	526 cd
20%	1051 cd
30%	1577 cd
40%	2102 cd
50%	2628 cd
60%	3153 cd
70%	3679 cd
80%	4204 cd

Conditions:

Number of c-planes: 2

Candela at center: 5255 cd

ISO LUX DIAGRAM



3%	1,58 lx
5%	2,63 lx
10%	5,26 lx
30%	15,8 lx
50%	26,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 52,6 lx

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



Total lumen output:

1433 lm

Peak candela output:

12945 cd

Light quality:

CRI: 94,8

Color temperature:

5604 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

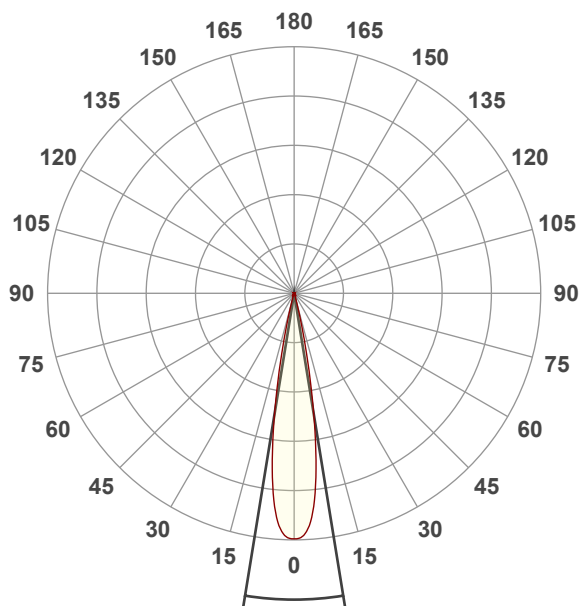
5600K - HQ

Operator:

Salvatore Giglio

Date and time:

31/05/2024 09:15:50

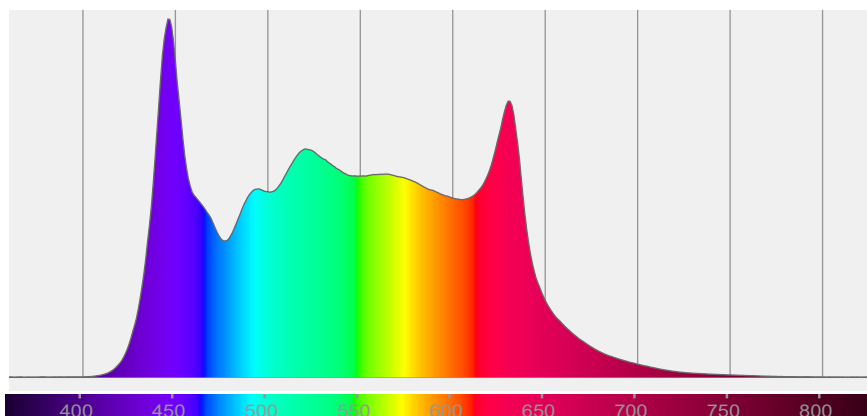


Beam angle 50%: 18,4°

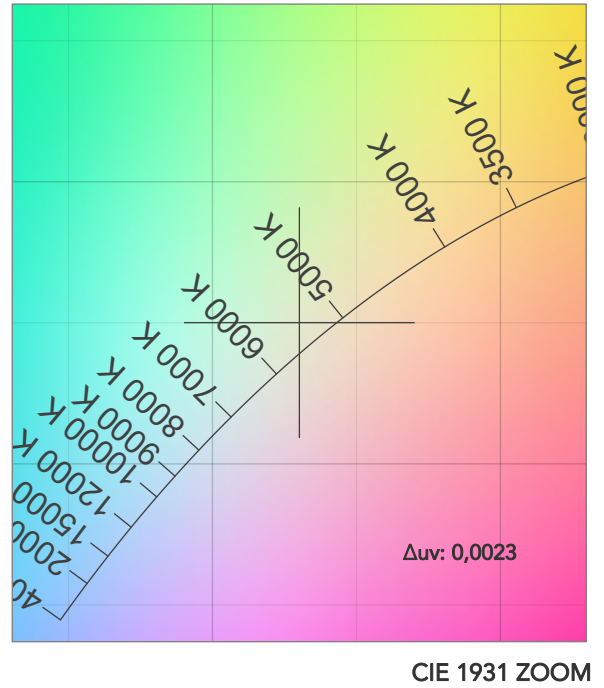
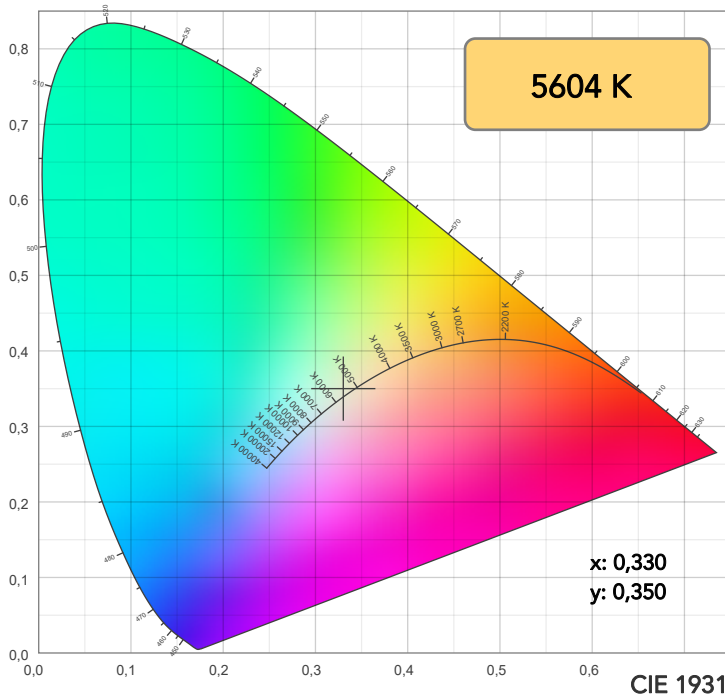
Field angle 10%: 27,7°

Cut off angle 2.5%: 32,2°

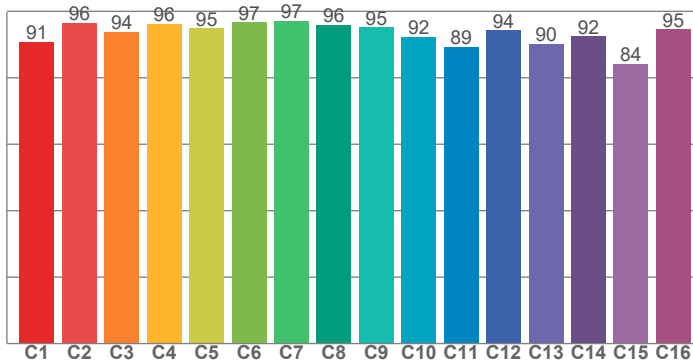
Spectra



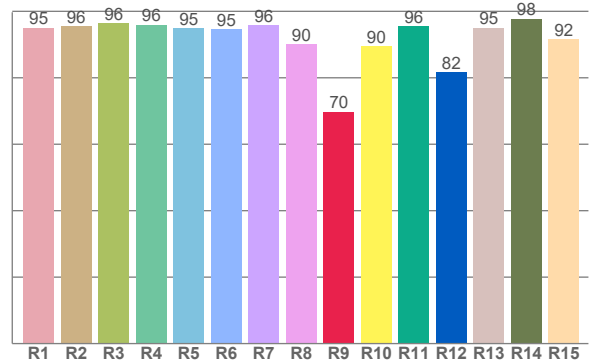
COLOR DETAILS



TM30: 93,4



CRI: 94,8 (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
95,1	95,5	96,4	96,0	95,0	94,7	95,8	90,1	69,8	89,5	95,6	81,6	95,0	97,8	91,7

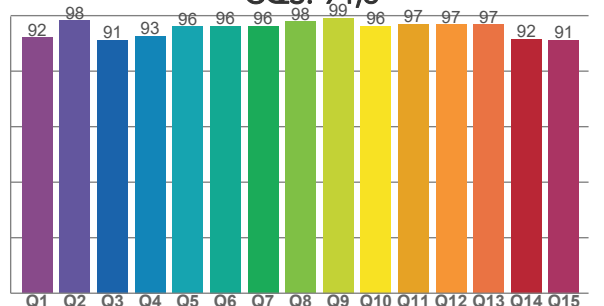
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,7	96,5	93,9	96,3	94,9	96,7	97,1	96,0	95,2	92,3	89,3	94,2	90,3	92,5	84,1	94,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,1	98,2	91,3	92,7	96,0	96,2	96,3	97,8	99,2	96,3	97,0	96,7	96,7	91,7	91,2

CQS: 94,6



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
5604 K	94,8	69,8	93,4	99,7	94,6	93	0,330	0,350	0,0023

TM30 DETAILS

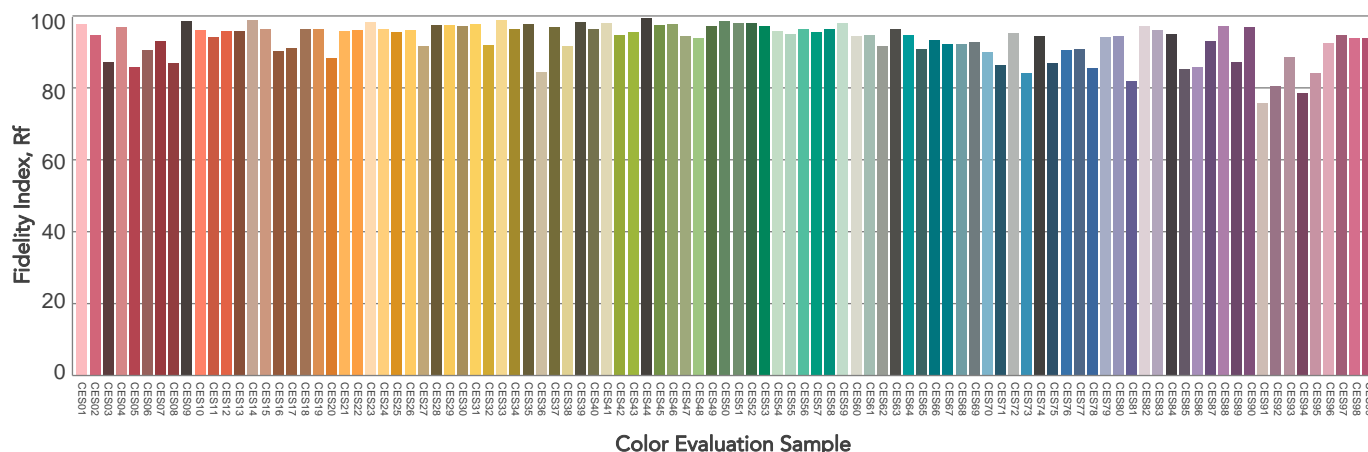
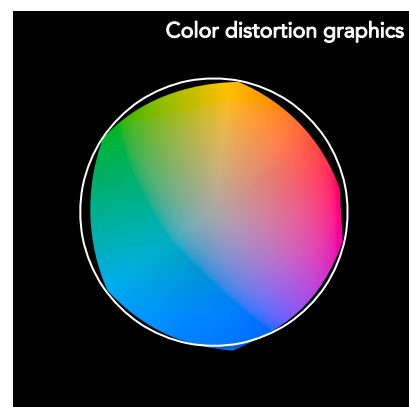
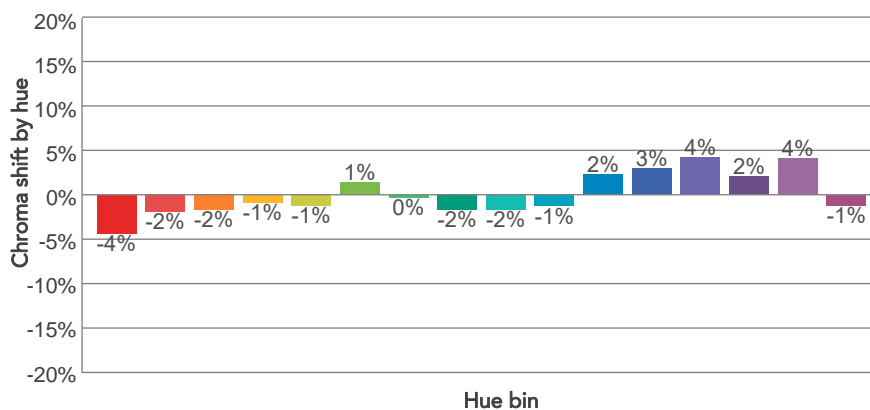
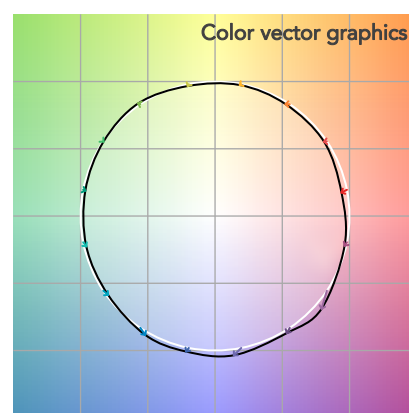
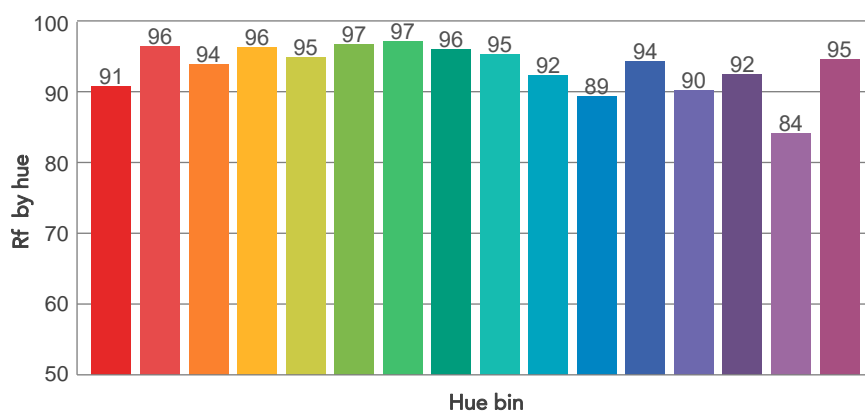
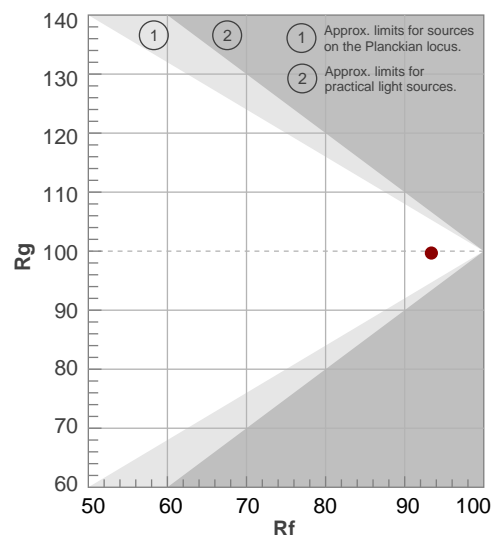
Rf 93,4

Fidelity index Rf

Rg 99,7

Gammut index

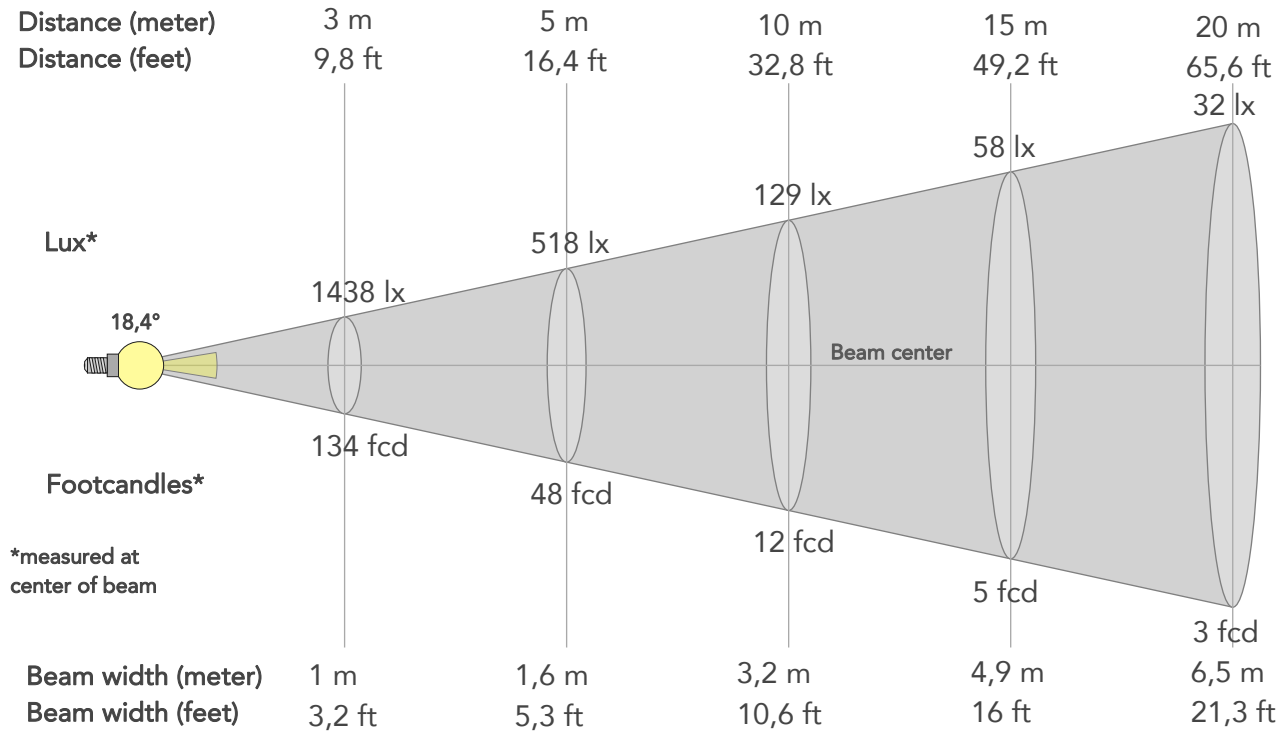
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-4%	-1%
2	96	-2%	1%
3	94	-2%	3%
4	96	-1%	1%
5	95	-1%	1%
6	97	1%	1%
7	97	0%	0%
8	96	-2%	0%
9	95	-2%	3%
10	92	-1%	5%
11	89	2%	6%
12	94	3%	-1%
13	90	4%	-6%
14	92	2%	-4%
15	84	4%	-13%
16	95	-1%	-3%



BEAM DETAILS



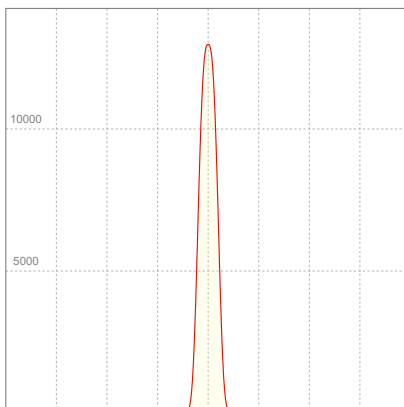
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,4°	27,7°	32,2°	98,8%	96,8%



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	12945lx	3236lx	1438lx	809lx	518lx	230lx	129lx	58lx	32lx	21lx	14lx	8lx	5lx
Footcand.	1203fcd	301fcd	134fcd	75fcd	48fcd	21fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,3m	0,6m	1m	1,3m	1,6m	2,4m	3,2m	4,9m	6,5m	8,1m	9,7m	13m	16,2m
Beam wid.	1,1ft	2,1ft	3,2ft	4,3ft	5,3ft	8ft	10,6ft	16ft	21,3ft	26,6ft	31,9ft	42,6ft	53,2ft

LINEAR DISTRIBUTION DIAGRAM

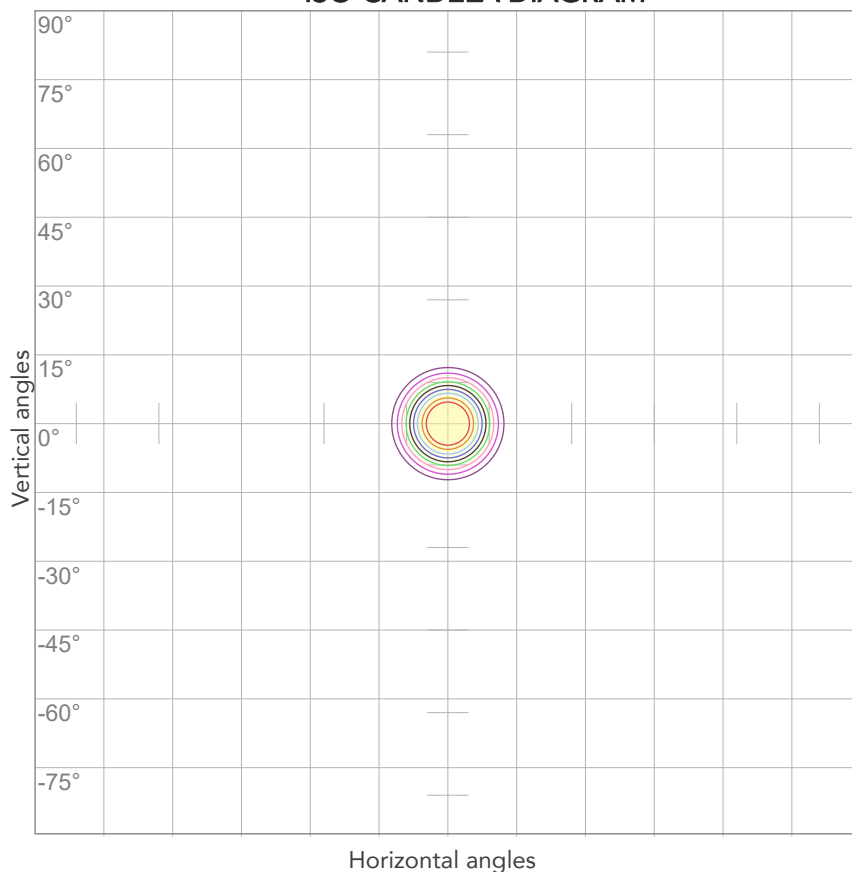


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,423A	92,9W	0,98	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



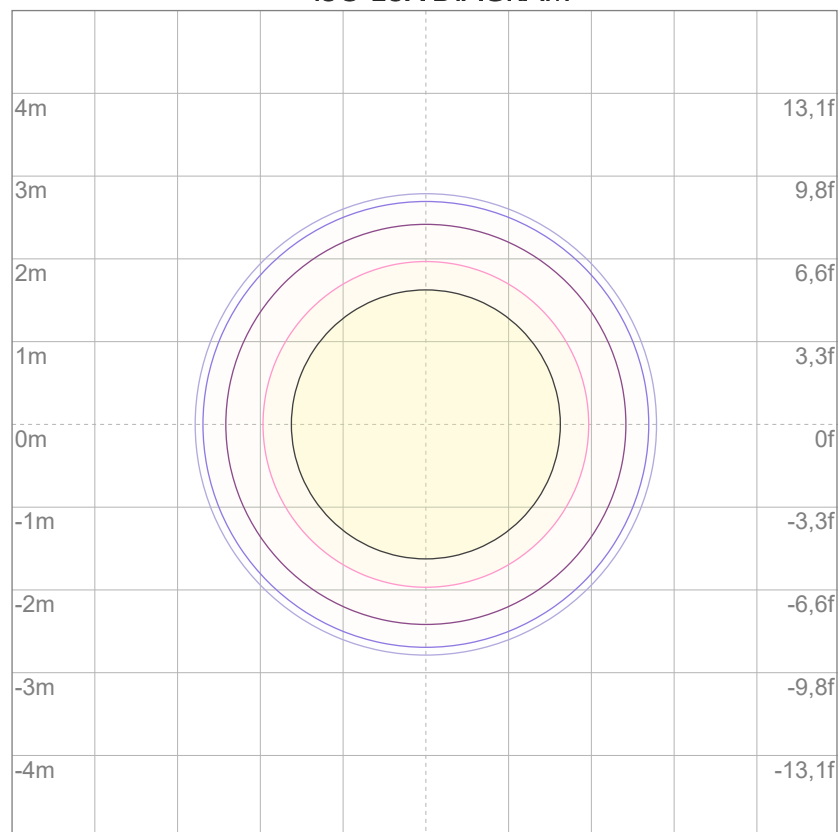
10%	1295 cd
20%	2589 cd
30%	3884 cd
40%	5178 cd
50%	6473 cd
60%	7767 cd
70%	9062 cd
80%	10356 cd

Conditions:

Number of c-planes: 2

Candela at center: 12945 cd

ISO LUX DIAGRAM



3%	3,88 lx
5%	6,47 lx
10%	12,9 lx
30%	38,8 lx
50%	64,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 129 lx

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



Total lumen output:

2241 lm

Peak candela output:

2534 cd

Light quality:

CRI: 94,7

Color temperature:

6122 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

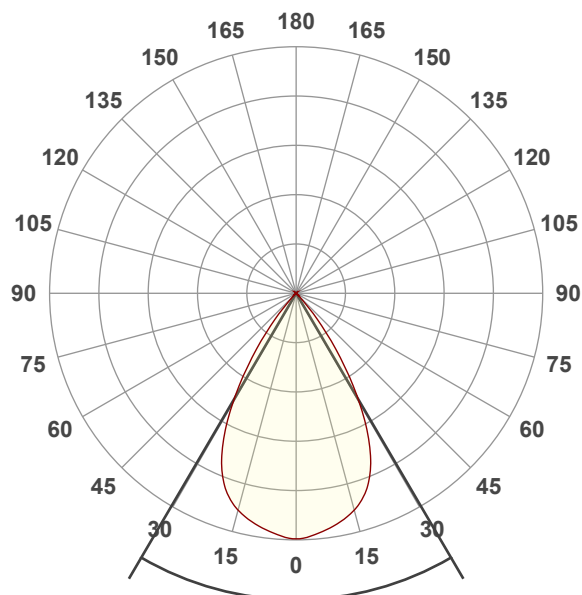
6000K - HQ

Operator:

Salvatore Giglio

Date and time:

31/05/2024 09:07:07

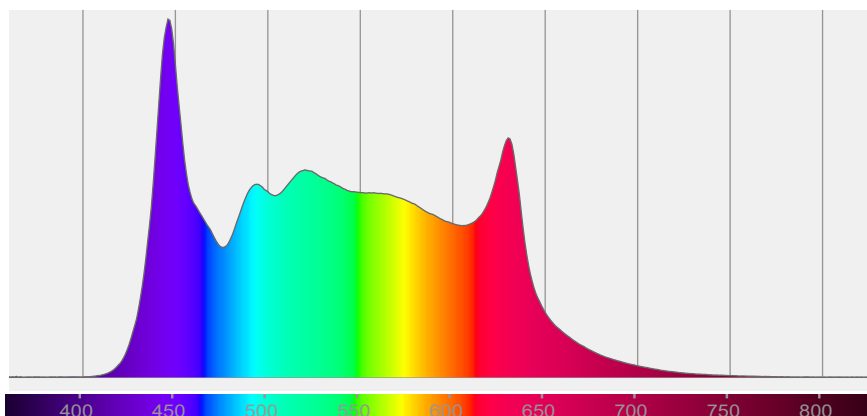


Beam angle 50%: 60,7°

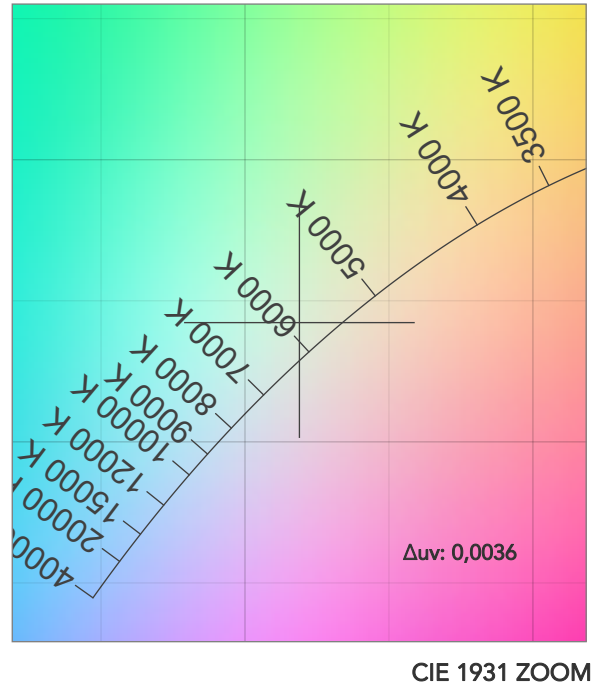
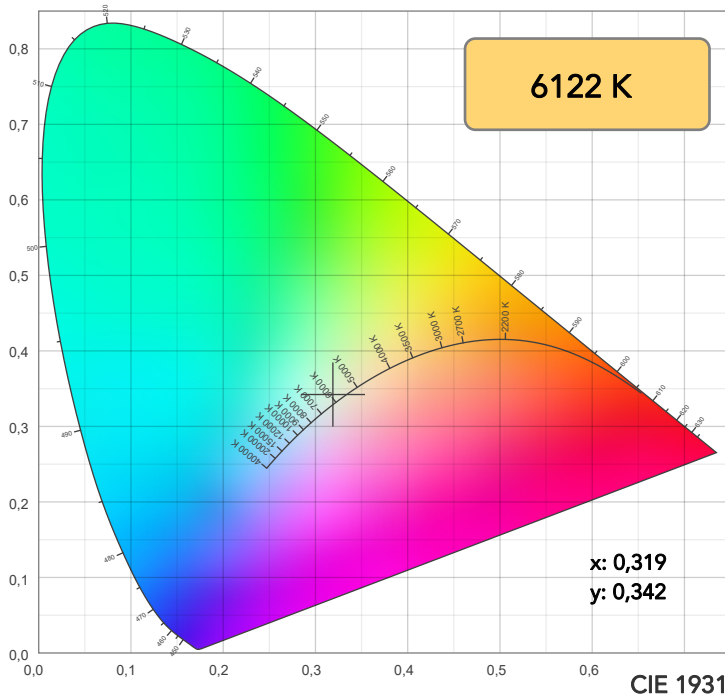
Field angle 10%: 81,1°

Cut off angle 2.5%: 88,7°

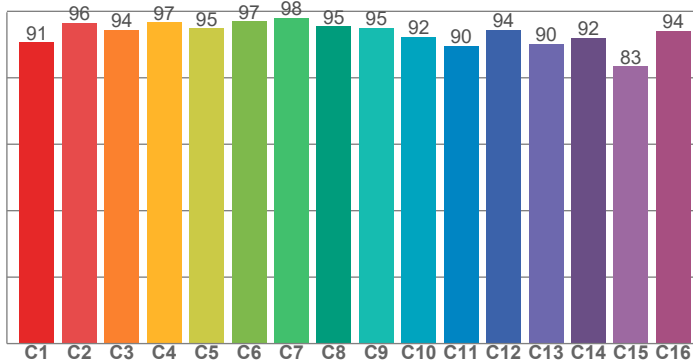
Spectra



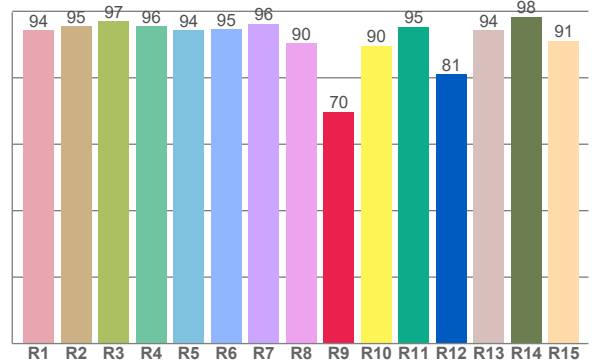
COLOR DETAILS



TM30: 93,4



CRI: 94,7 (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
94,4	95,4	97,1	95,6	94,4	94,6	96,3	90,3	69,7	89,7	95,4	81,1	94,4	98,4	91,2

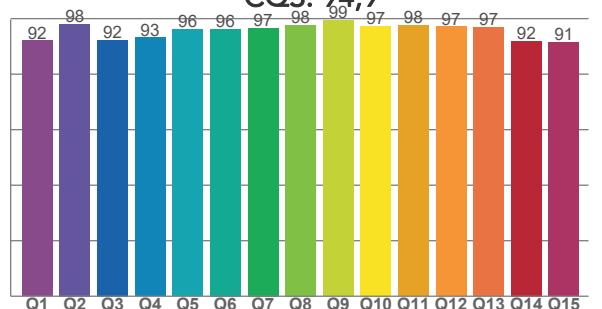
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,6	96,5	94,4	96,7	94,9	97,0	98,1	95,4	95,0	92,4	89,6	94,3	90,2	92,1	83,5	94,1

CQS Q values

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

CQS: 94,9



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
6122 K	94,7	69,7	93,4	99,2	94,9	93	0,319	0,342	0,0036

TM30 DETAILS

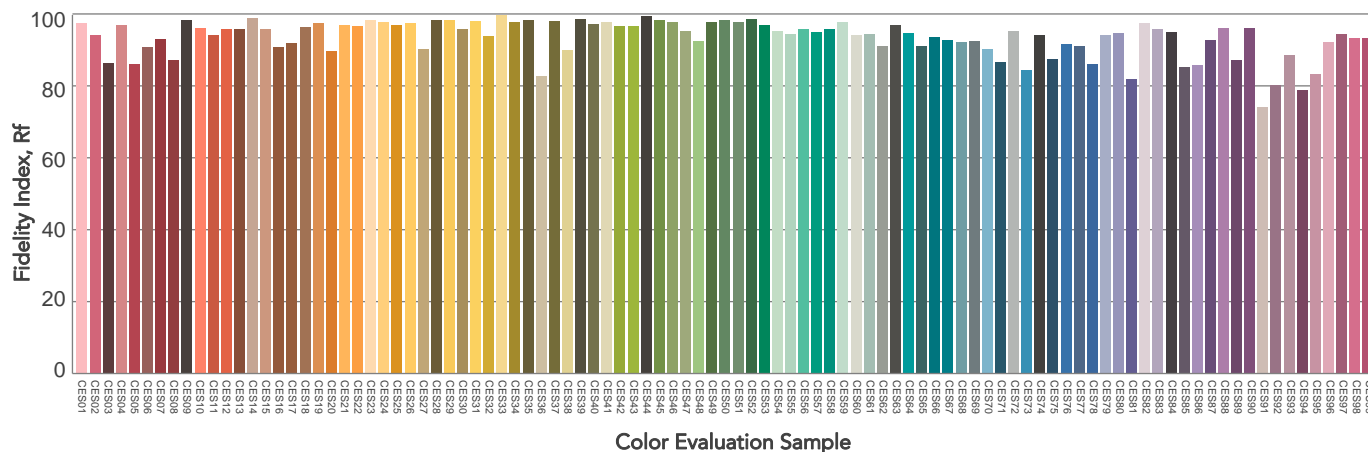
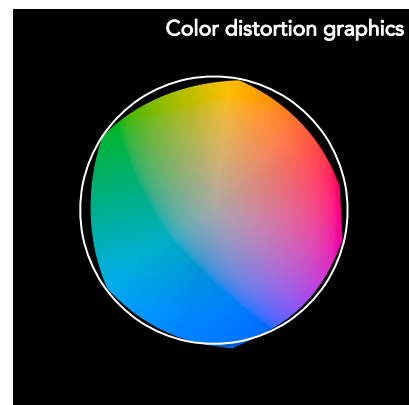
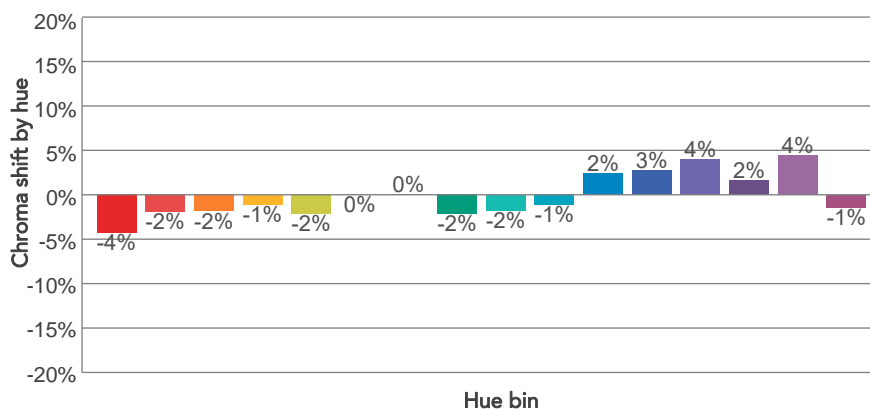
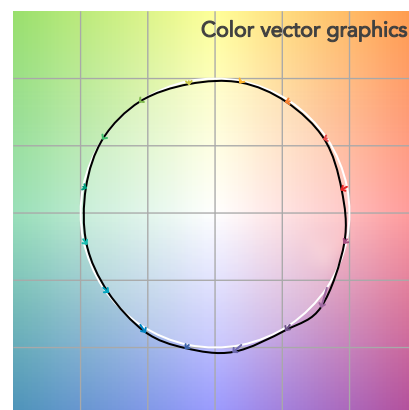
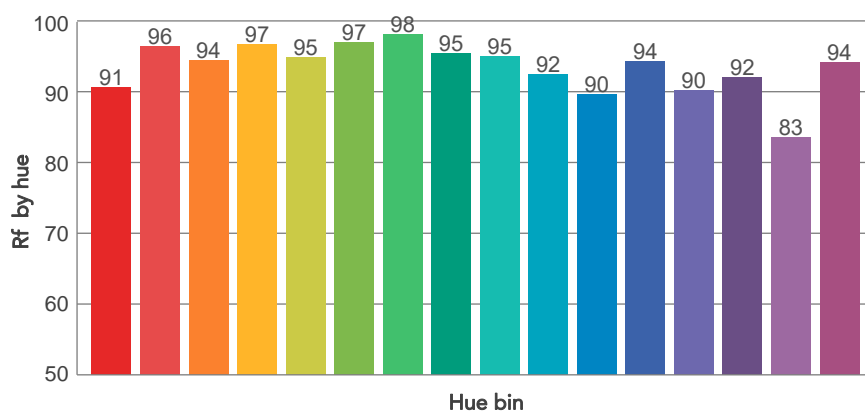
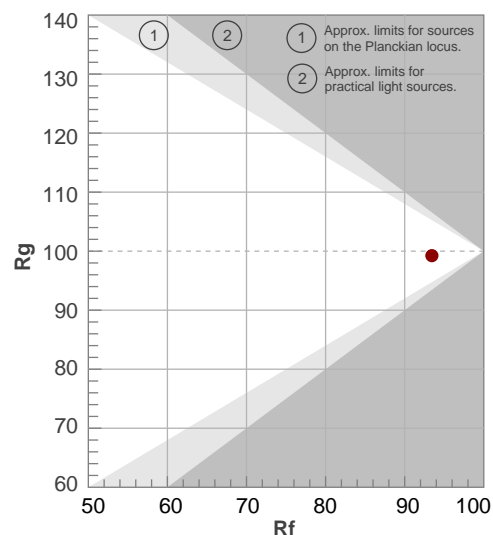
Rf 93,4

Fidelity index Rf

Rg 99,2

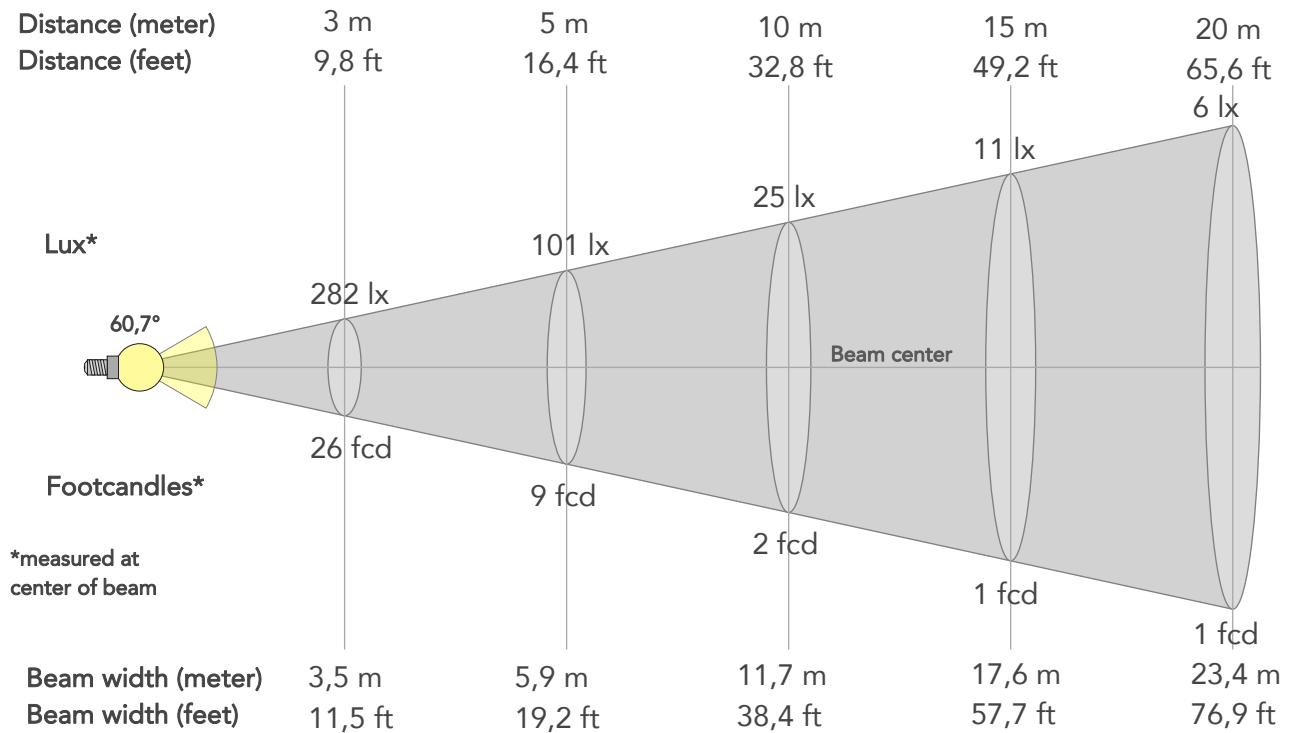
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-4%	-1%
2	96	-2%	1%
3	94	-2%	2%
4	97	-1%	1%
5	95	-2%	0%
6	97	0%	0%
7	98	0%	0%
8	95	-2%	0%
9	95	-2%	4%
10	92	-1%	5%
11	90	2%	6%
12	94	3%	-2%
13	90	4%	-7%
14	92	2%	-4%
15	83	4%	-14%
16	94	-1%	-3%



BEAM DETAILS

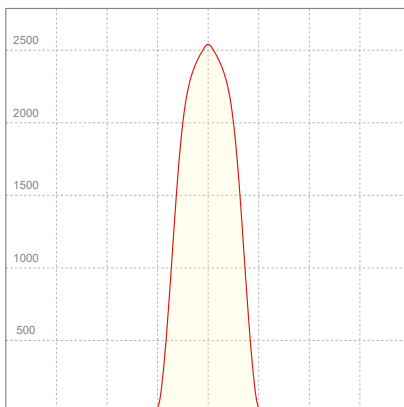
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
60,7°	81,1°	88,7°	99,3%	98,9%



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	2534lx	634lx	282lx	158lx	101lx	45lx	25lx	11lx	6lx	4lx	3lx	2lx	1lx
Footcand.	235fcd	59fcd	26fcd	15fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,2m	2,3m	3,5m	4,7m	5,9m	8,8m	11,7m	17,6m	23,4m	29,3m	35,2m	46,9m	58,6m
Beam wid.	3,9ft	7,7ft	11,5ft	15,4ft	19,2ft	28,8ft	38,4ft	57,7ft	76,9ft	96,1ft	115,3ft	153,8ft	192,2ft

LINEAR DISTRIBUTION DIAGRAM

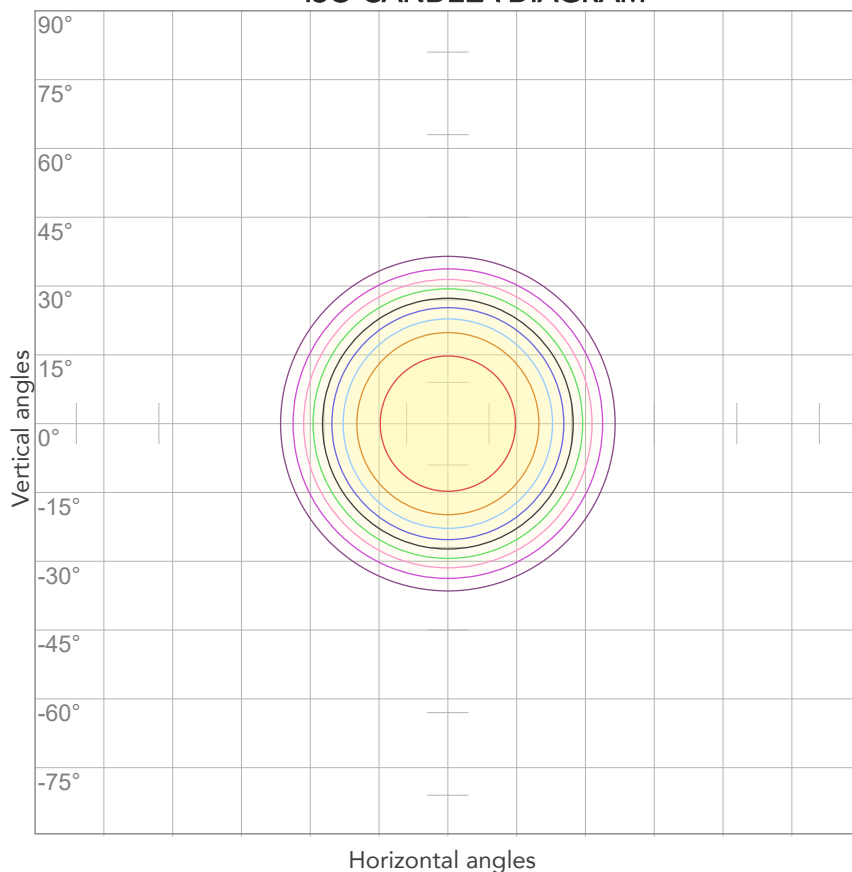


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,369A	80,1W	0,96	28lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



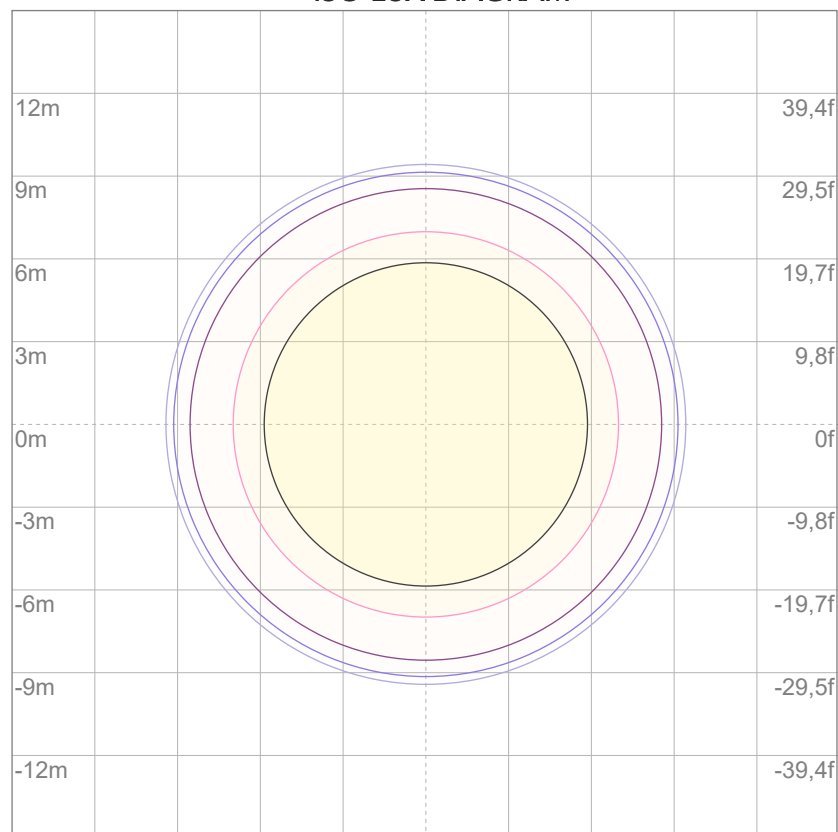
10%	253 cd
20%	507 cd
30%	760 cd
40%	1014 cd
50%	1267 cd
60%	1520 cd
70%	1774 cd
80%	2027 cd

Conditions:

Number of c-planes: 2

Candela at center: 2534 cd

ISO LUX DIAGRAM



3%	0,760 lx
5%	1,27 lx
10%	2,53 lx
30%	7,60 lx
50%	12,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 25,3 lx

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



Total lumen output:

1786 lm

Peak candela output:

4745 cd

Light quality:

CRI: 95,2

Color temperature:

6038 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

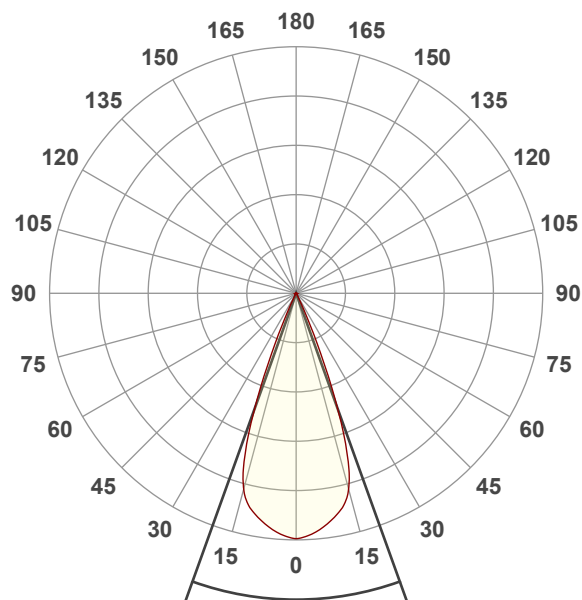
6000K- HQ

Operator:

Salvatore Giglio

Date and time:

30/05/2024 18:13:23

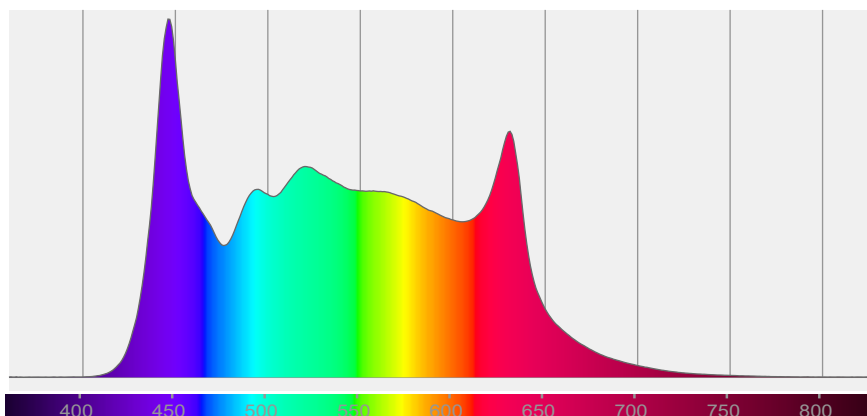


Beam angle 50%: 39,6°

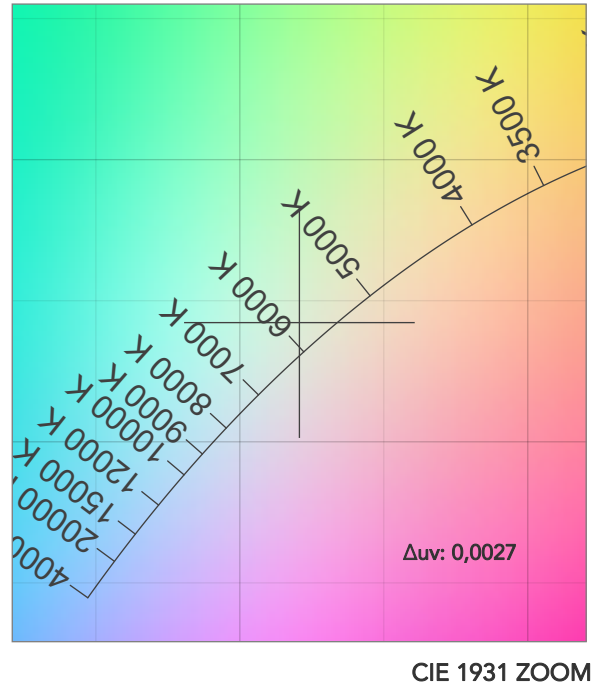
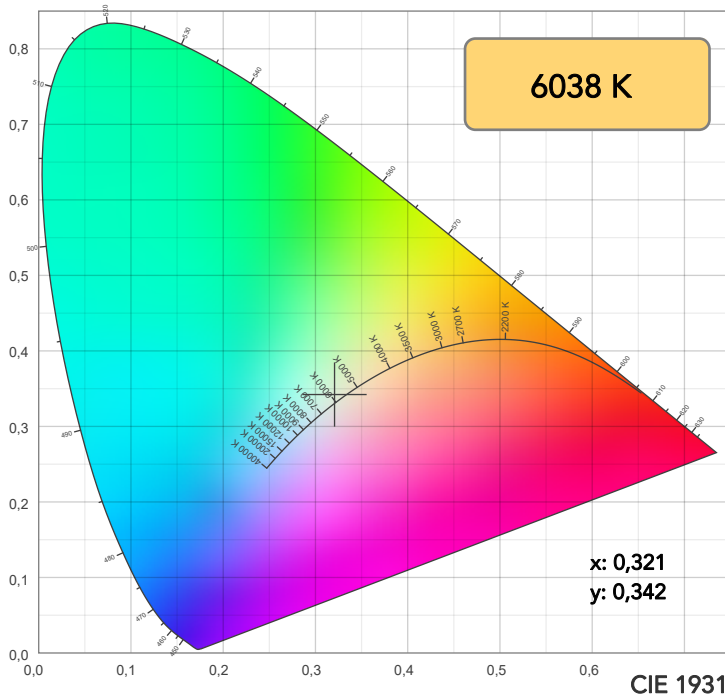
Field angle 10%: 49,1°

Cut off angle 2.5%: 54,2°

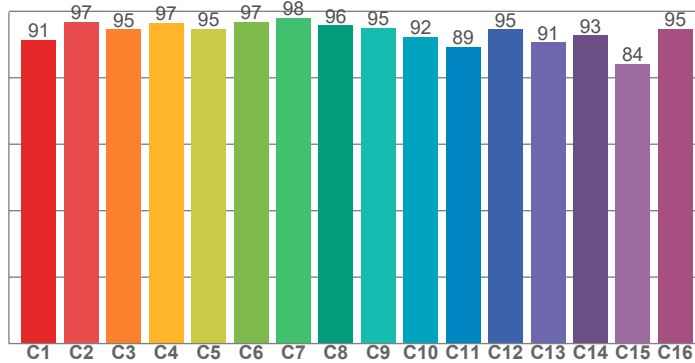
Spectra



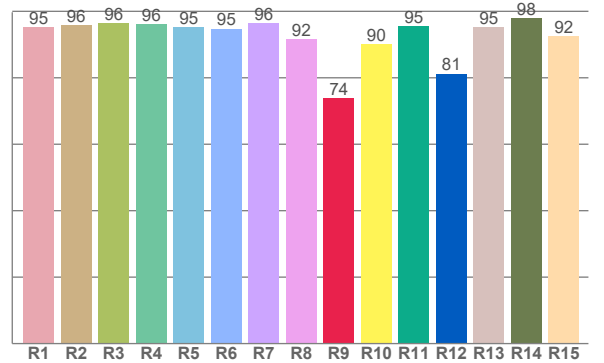
COLOR DETAILS



TM30: 93,6



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
95,3	95,7	96,5	96,1	95,2	94,7	96,5	91,7	73,8	90,1	95,5	81,2	95,2	97,9	92,5

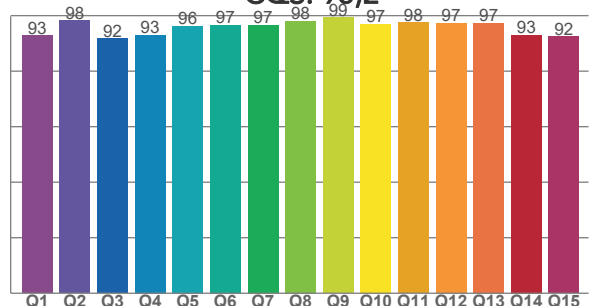
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91,4	96,9	94,6	96,6	94,7	96,9	98,0	95,8	95,1	92,4	89,4	94,5	90,6	92,7	84,2	94,7

CQS Q values

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

CQS: 95,2



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
6038 K	95,2	73,8	93,6	99,7	95,2	94	0,321	0,342	0,0027

TM30 DETAILS

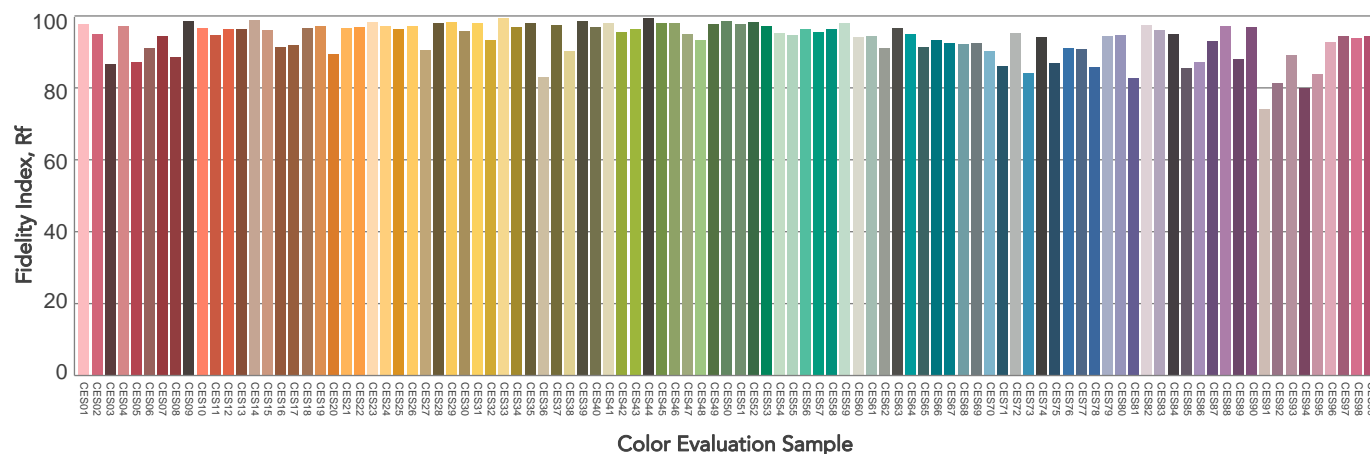
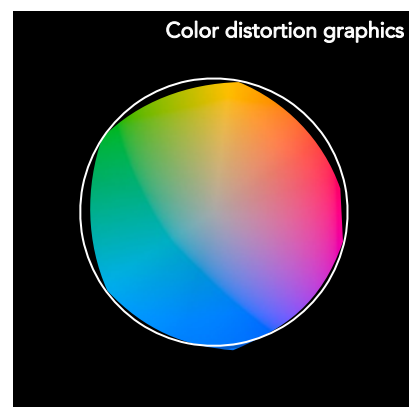
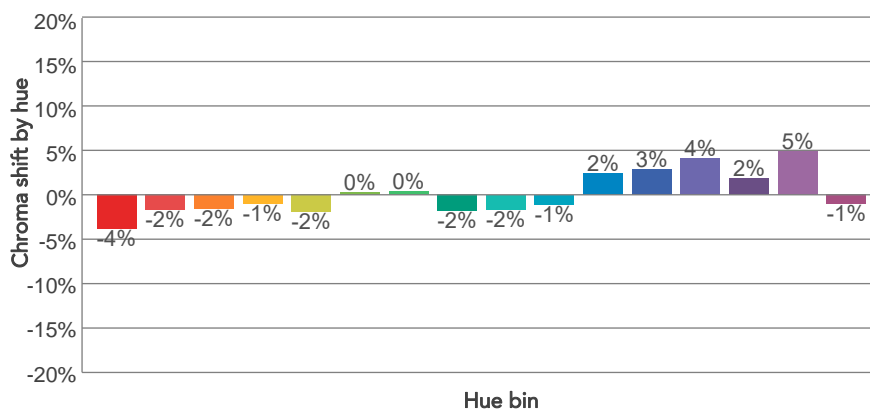
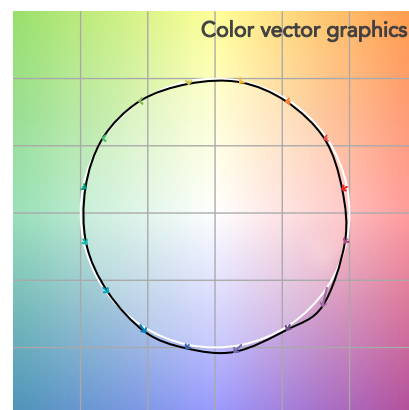
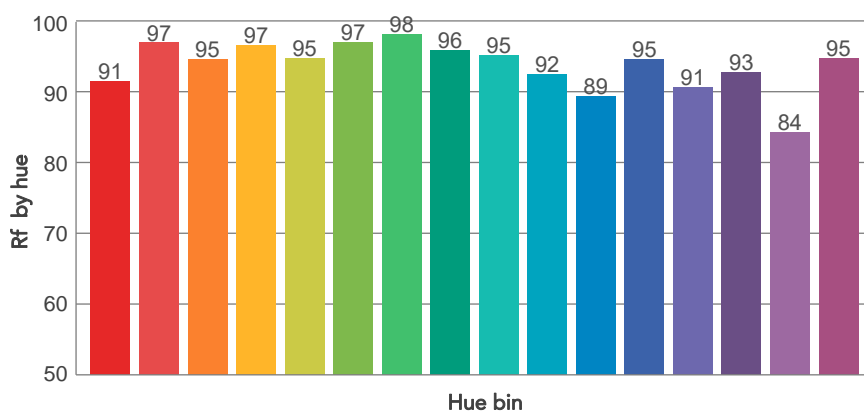
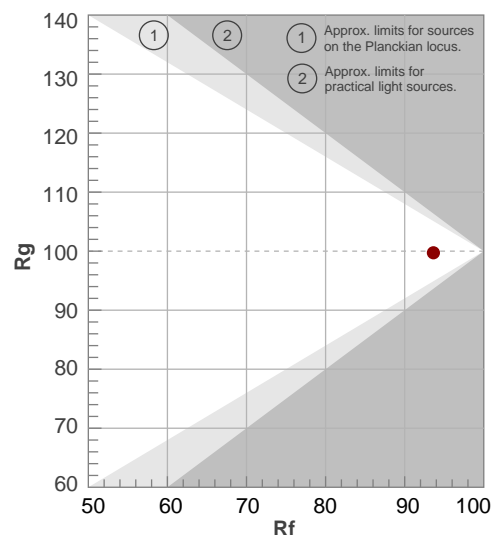
Rf 93,6

Fidelity index Rf

Rg 99,7

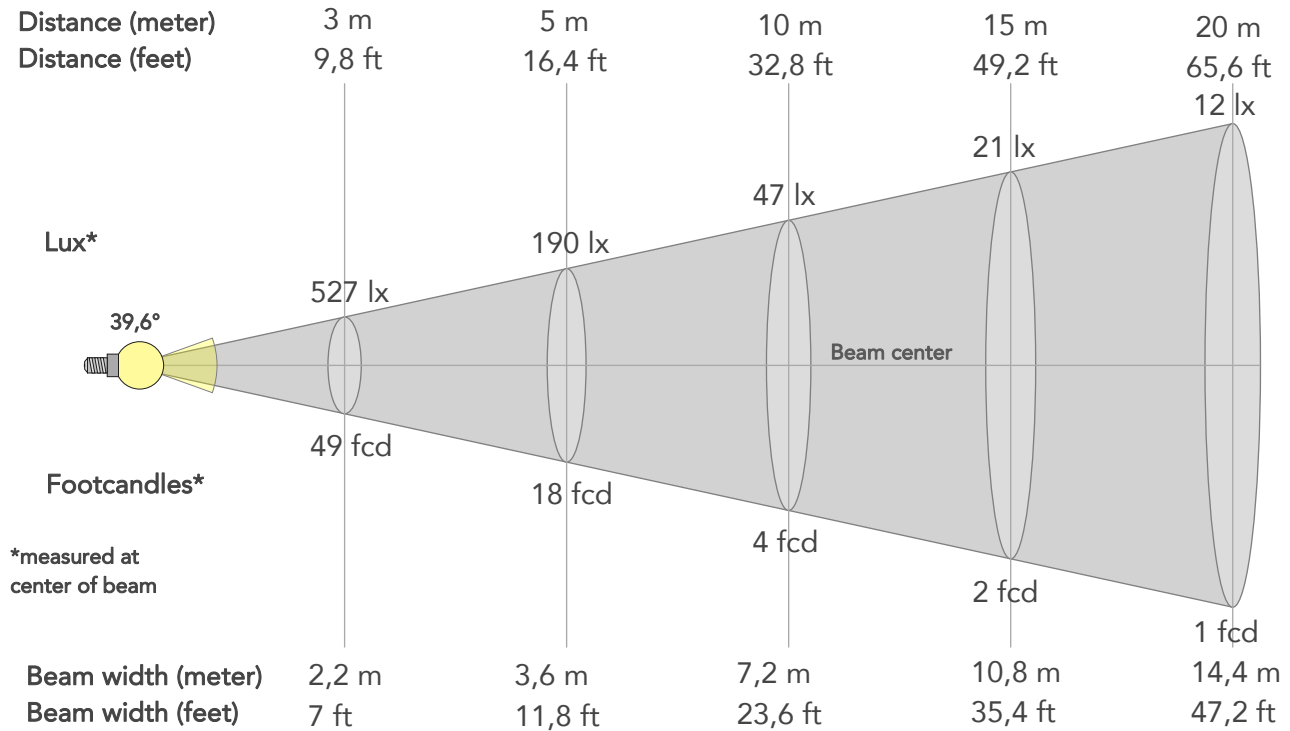
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-4%	-1%
2	97	-2%	1%
3	95	-2%	2%
4	97	-1%	1%
5	95	-2%	0%
6	97	0%	1%
7	98	0%	0%
8	96	-2%	1%
9	95	-2%	4%
10	92	-1%	5%
11	89	2%	6%
12	95	3%	-1%
13	91	4%	-6%
14	93	2%	-4%
15	84	5%	-13%
16	95	-1%	-3%



BEAM DETAILS

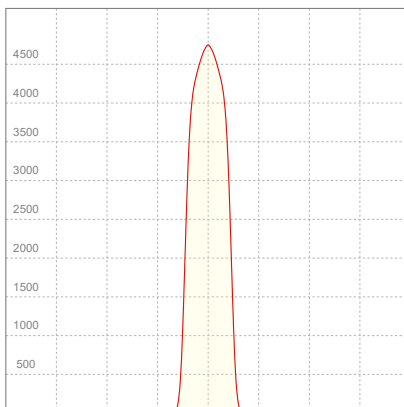
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,6°	49,1°	54,2°	99,0%	98,0%



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	4745lx	1186lx	527lx	297lx	190lx	84lx	47lx	21lx	12lx	8lx	5lx	3lx	2lx
Footcand.	441fcd	110fcd	49fcd	28fcd	18fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,4m	2,2m	2,9m	3,6m	5,4m	7,2m	10,8m	14,4m	18m	21,6m	28,8m	36m
Beam wid.	2,4ft	4,7ft	7ft	9,4ft	11,8ft	17,7ft	23,6ft	35,4ft	47,2ft	59ft	70,8ft	94,4ft	118ft

LINEAR DISTRIBUTION DIAGRAM

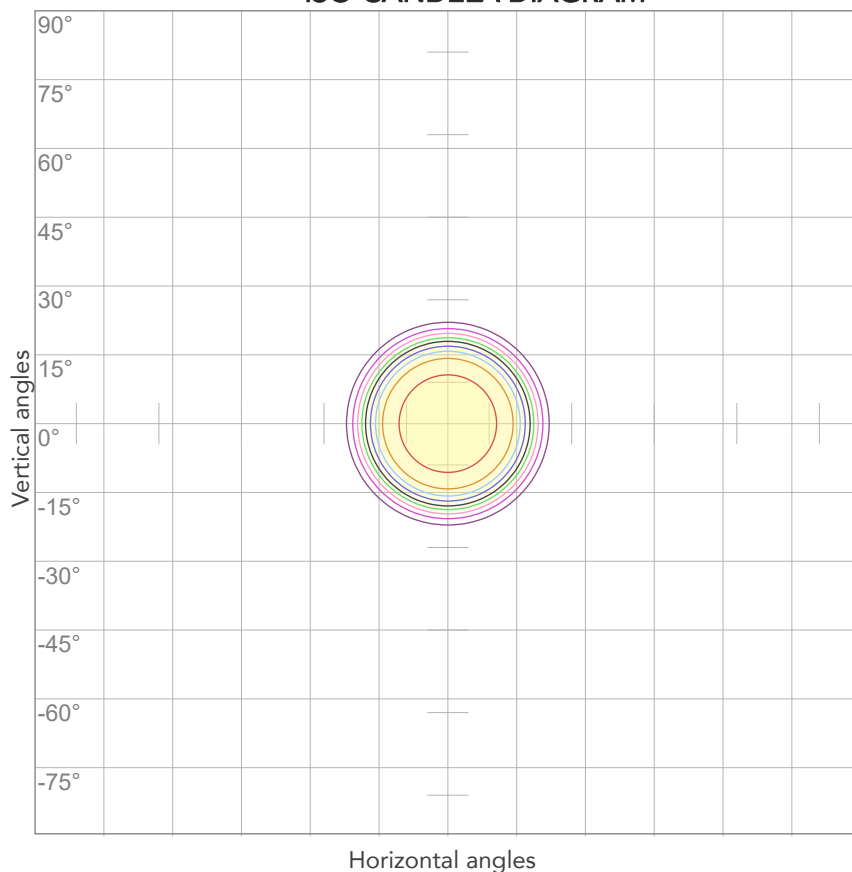


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,389A	84,9W	0,96	21lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



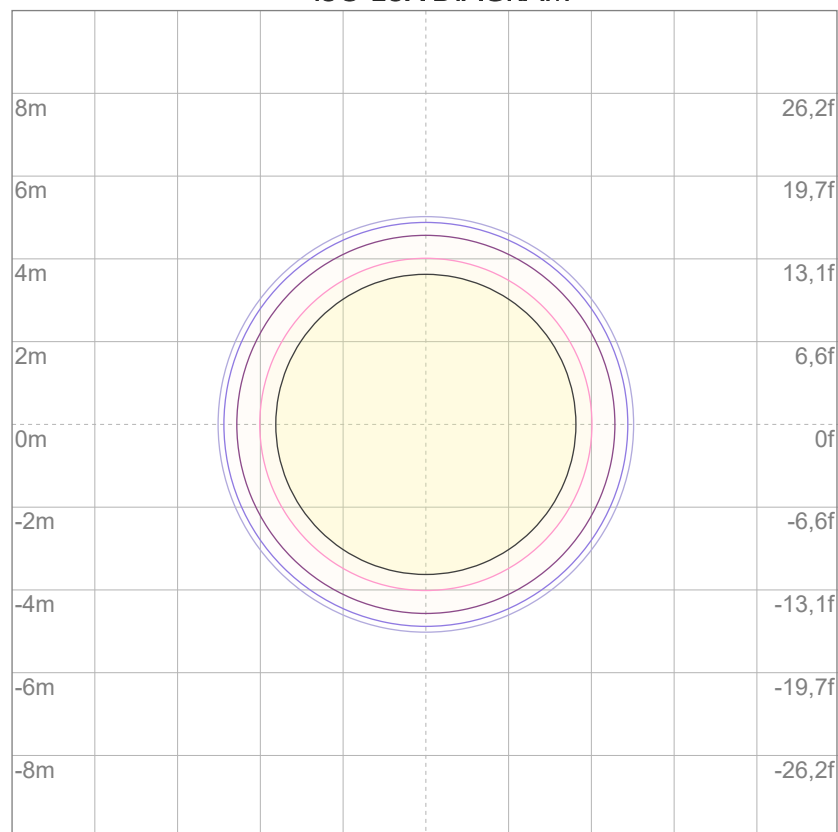
10%	475 cd
20%	949 cd
30%	1424 cd
40%	1898 cd
50%	2373 cd
60%	2847 cd
70%	3322 cd
80%	3796 cd

Conditions:

Number of c-planes: 2

Candela at center: 4745 cd

ISO LUX DIAGRAM



3%	1,42 lx
5%	2,37 lx
10%	4,75 lx
30%	14,2 lx
50%	23,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 47,5 lx

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



Total lumen output:

1264 lm

Peak candela output:

11415 cd

Light quality:

CRI: 94,7

Color temperature:

6060 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

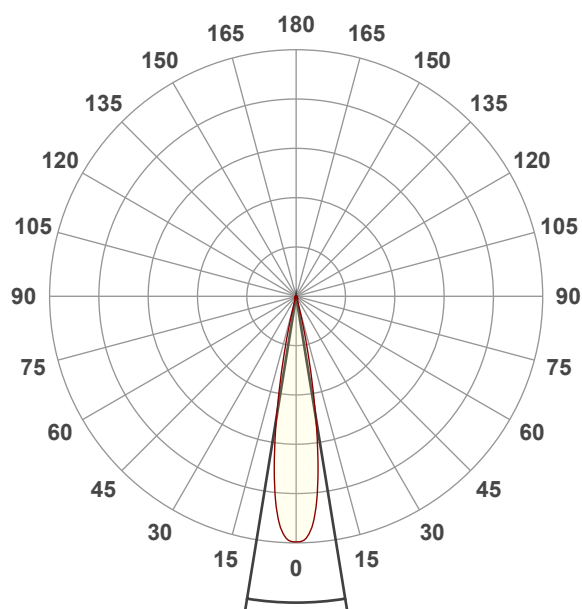
6000K - HQ

Operator:

Salvatore Giglio

Date and time:

31/05/2024 09:10:05

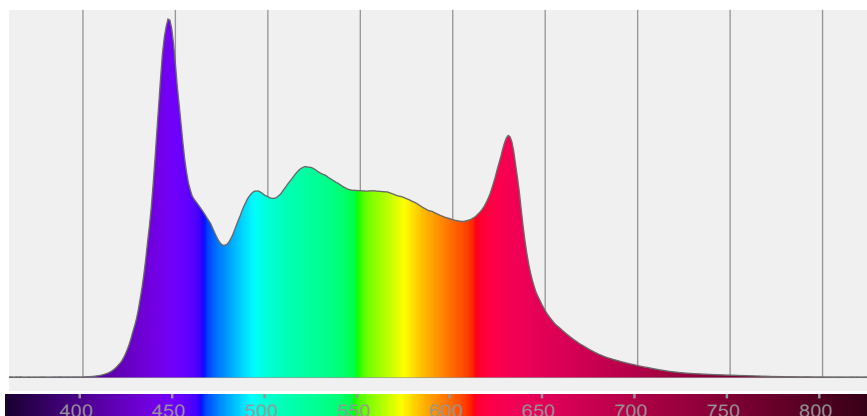


Beam angle 50%: 18,4°

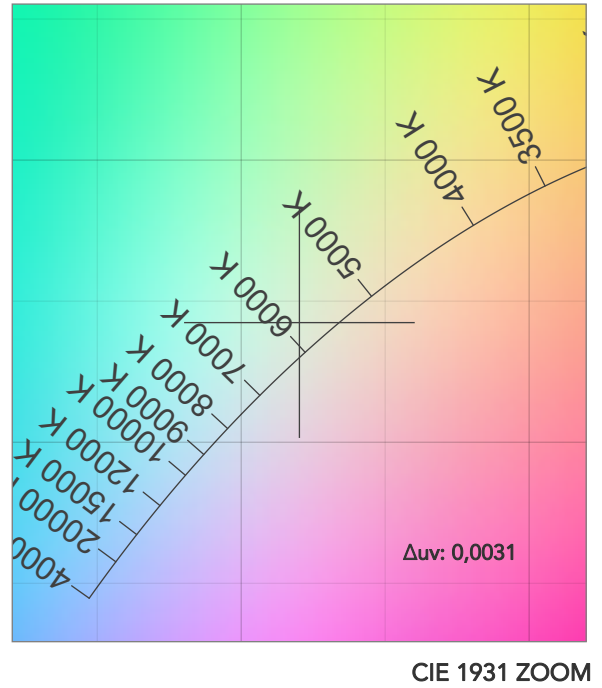
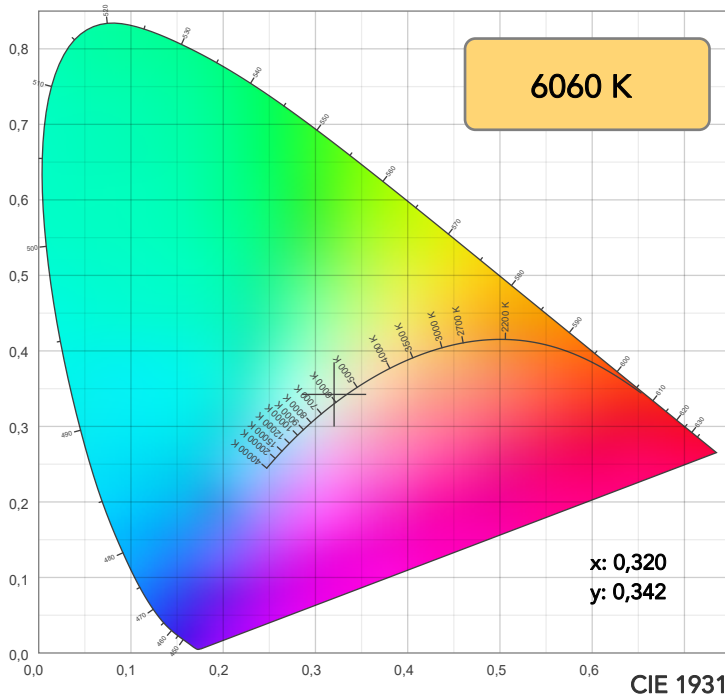
Field angle 10%: 27,7°

Cut off angle 2.5%: 32,3°

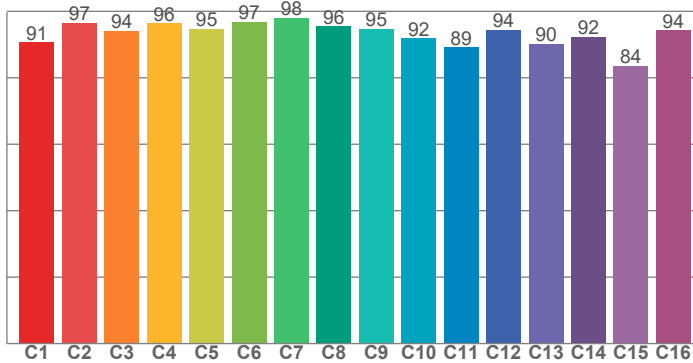
Spectra



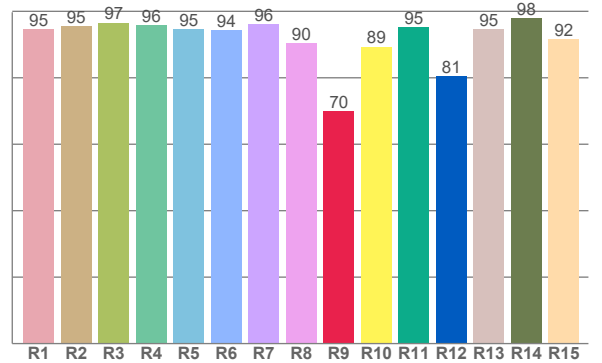
COLOR DETAILS



TM30: 93,3



CRI: 94,7 (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
94,7	95,4	96,5	95,7	94,6	94,4	96,2	90,4	69,9	89,3	95,3	80,6	94,6	98,0	91,5

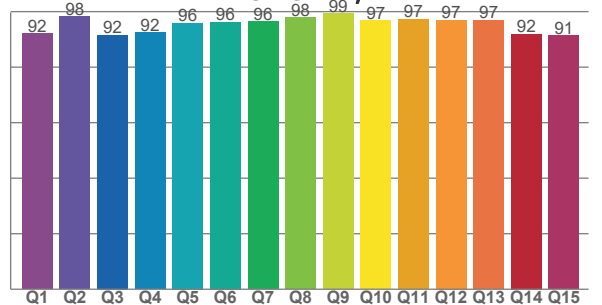
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,6	96,5	94,2	96,4	94,7	96,9	98,1	95,5	94,8	91,9	89,1	94,4	90,3	92,3	83,6	94,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,1	98,2	91,5	92,5	95,8	96,2	96,4	97,8	99,3	96,7	97,2	97,0	96,9	91,9	91,4

CQS: 94,7



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6060 K	94,7	69,9	93,3	99,4	94,7	93	0,320	0,342	0,0031

TM30 DETAILS

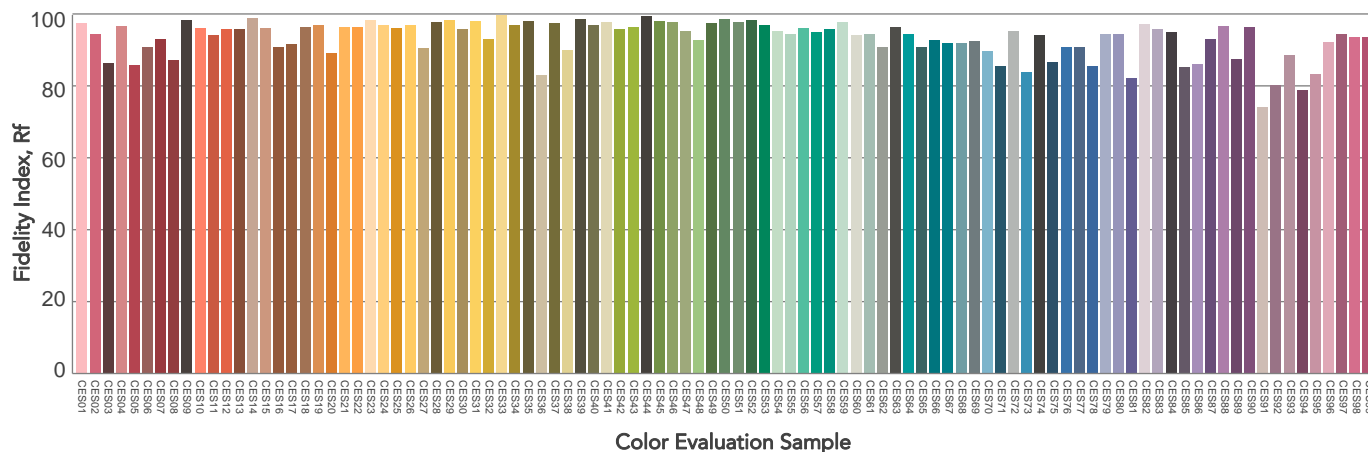
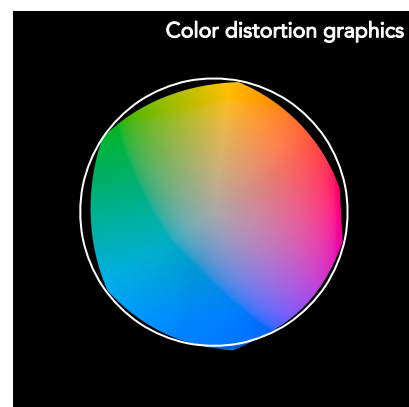
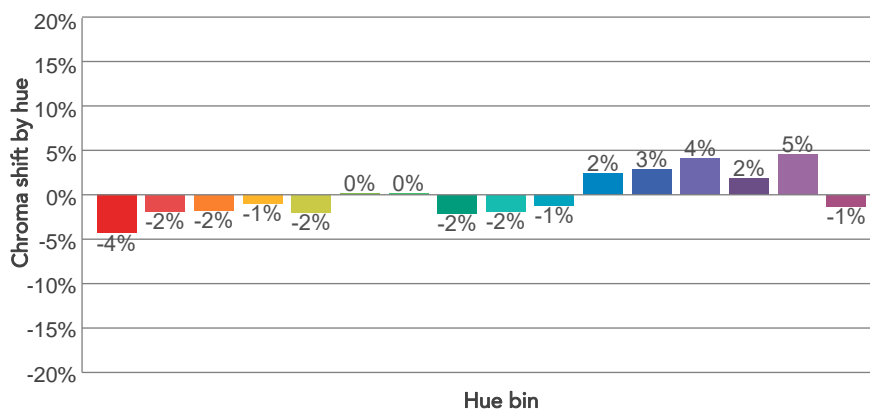
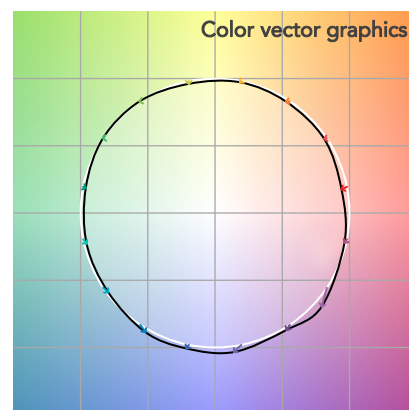
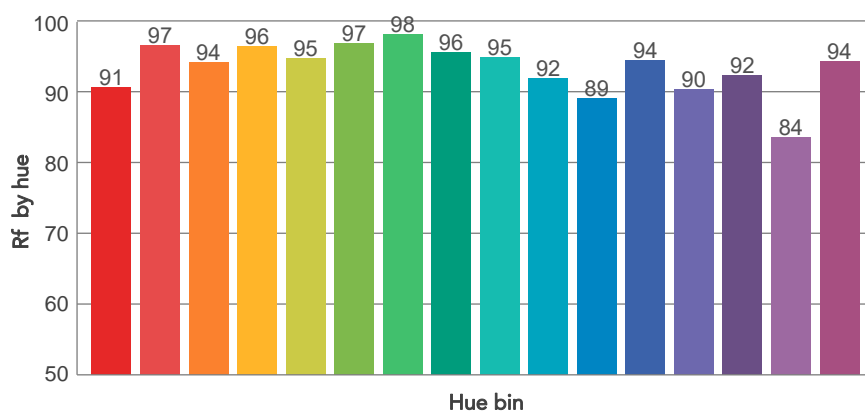
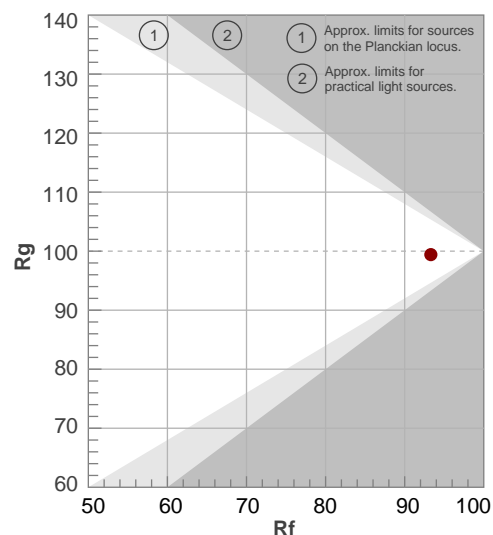
Rf 93,3

Fidelity index Rf

Rg 99,4

Gammut index

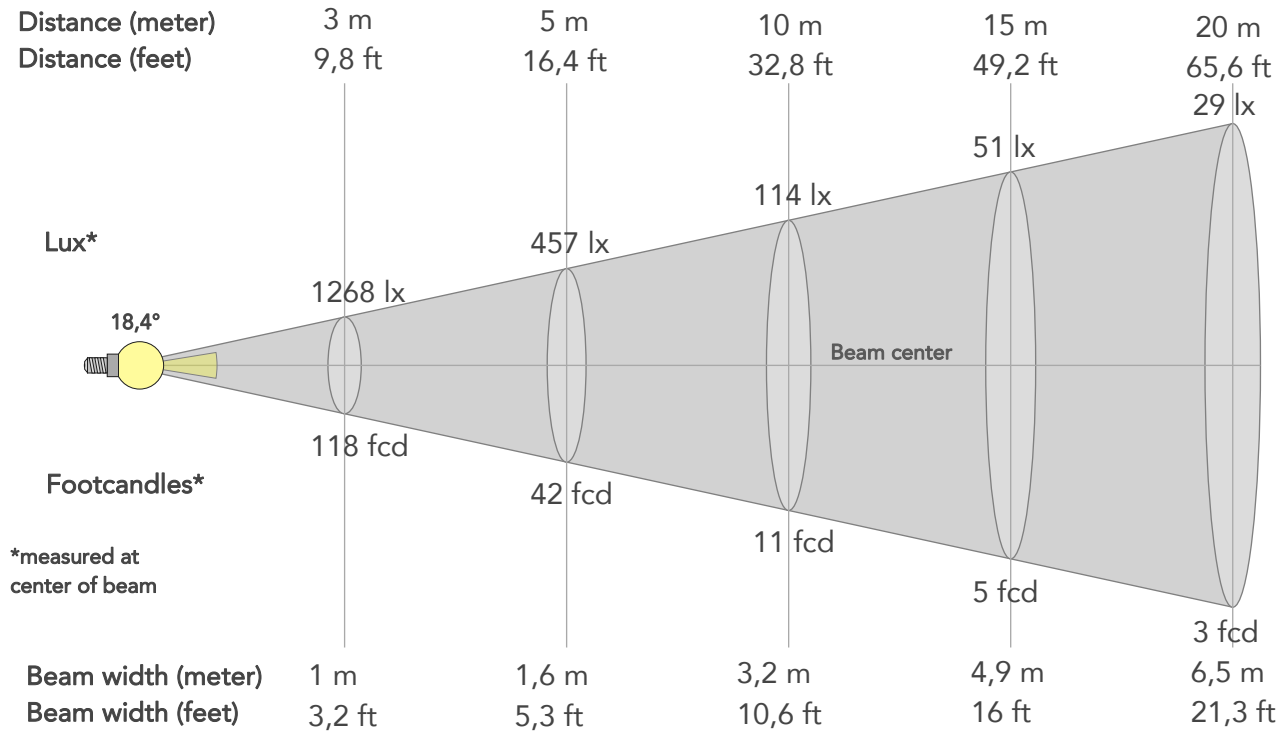
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-4%	-1%
2	97	-2%	1%
3	94	-2%	2%
4	96	-1%	1%
5	95	-2%	0%
6	97	0%	1%
7	98	0%	0%
8	96	-2%	0%
9	95	-2%	4%
10	92	-1%	5%
11	89	2%	6%
12	94	3%	-1%
13	90	4%	-6%
14	92	2%	-4%
15	84	5%	-14%
16	94	-1%	-3%



BEAM DETAILS



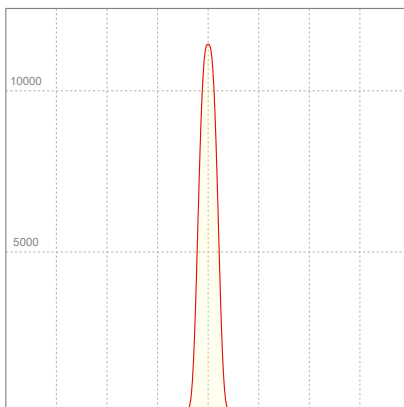
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,4°	27,7°	32,3°	98,8%	96,8%



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	11415lx	2854lx	1268lx	713lx	457lx	203lx	114lx	51lx	29lx	18lx	13lx	7lx	5lx
Footcand.	1061fcd	265fcd	118fcd	66fcd	42fcd	19fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,3m	0,6m	1m	1,3m	1,6m	2,4m	3,2m	4,9m	6,5m	8,1m	9,7m	13m	16,2m
Beam wid.	1,1ft	2,1ft	3,2ft	4,3ft	5,3ft	8ft	10,6ft	16ft	21,3ft	26,6ft	31,9ft	42,6ft	53,2ft

LINEAR DISTRIBUTION DIAGRAM

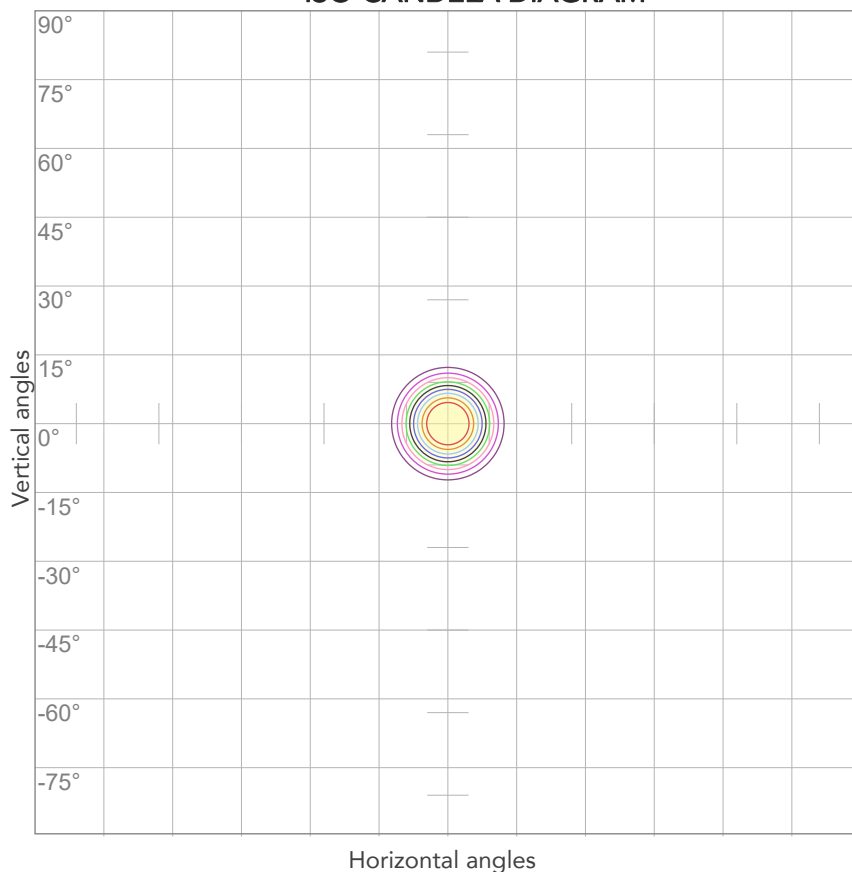


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,383A	83,6W	0,97	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



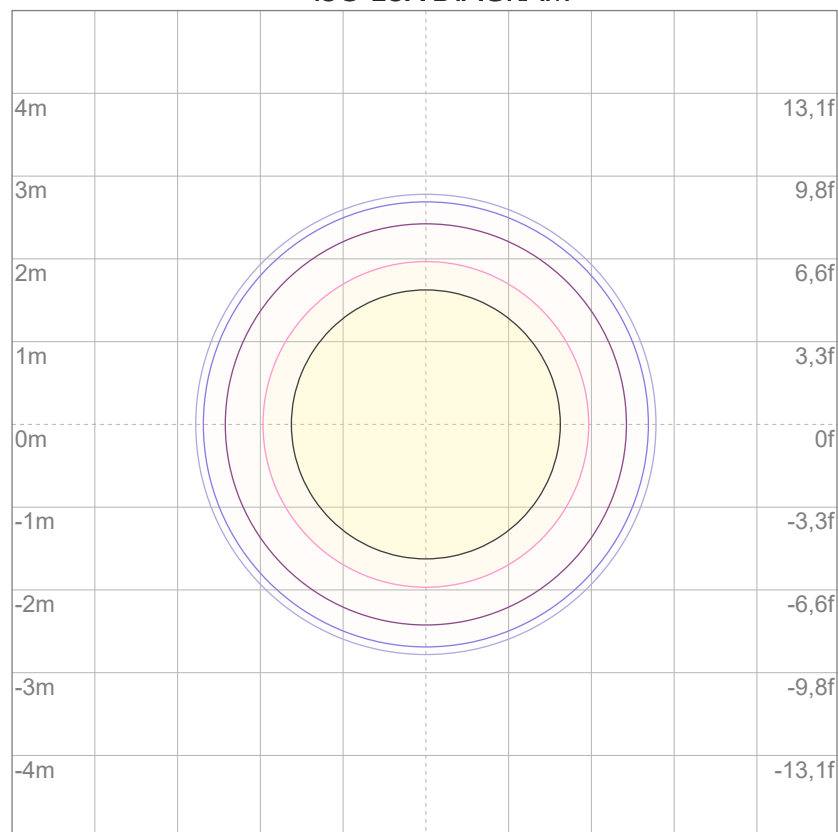
10%	1142 cd
20%	2283 cd
30%	3425 cd
40%	4566 cd
50%	5708 cd
60%	6849 cd
70%	7991 cd
80%	9132 cd

Conditions:

Number of c-planes: 2

Candela at center: 11415 cd

ISO LUX DIAGRAM



3%	3,42 lx
5%	5,71 lx
10%	11,4 lx
30%	34,2 lx
50%	57,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 114 lx

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