

Photometric Test Report



EclFresnel CT+LIP

600W IP65 Led Fresnel with 6 color source,
250mm - 10" lens
(High Quality Mode)

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Color temperature 3200K

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Med Zoom	94
Min Zoom	99

Color temperature 4000K

Max Zoom	104
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:

15208 lm

Peak candela output:

19875 cd

Light quality:

CRI: 93,8

Color temperature:

4391 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

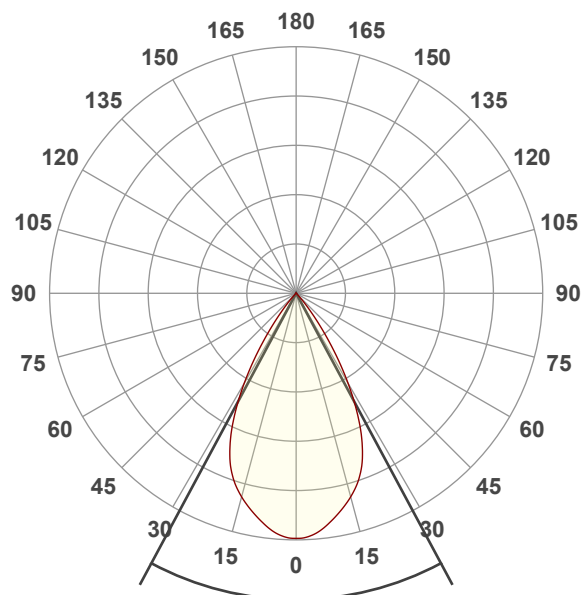
Full On - HQ - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 16:01:13

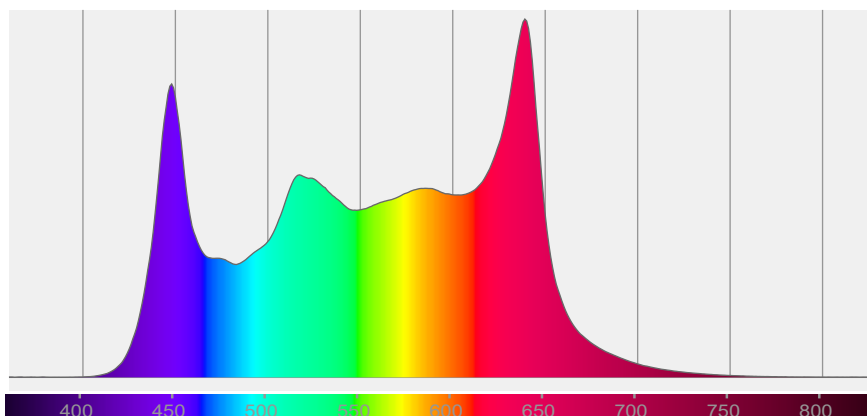


Beam angle 50%: 56,4°

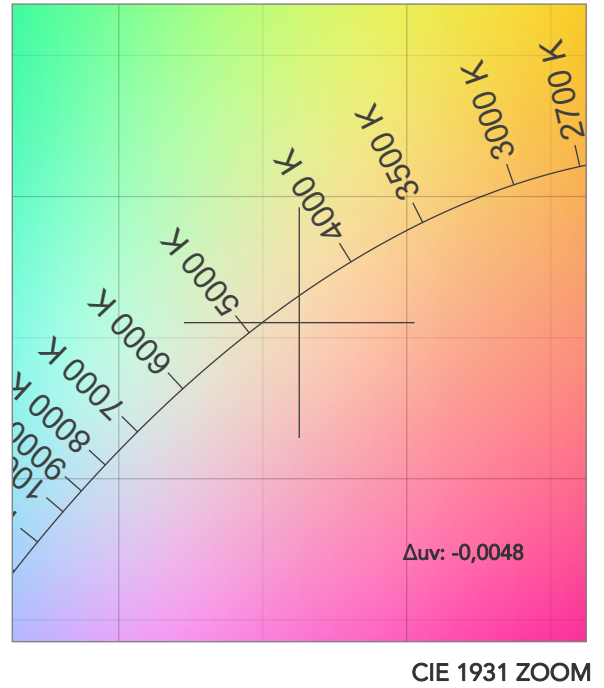
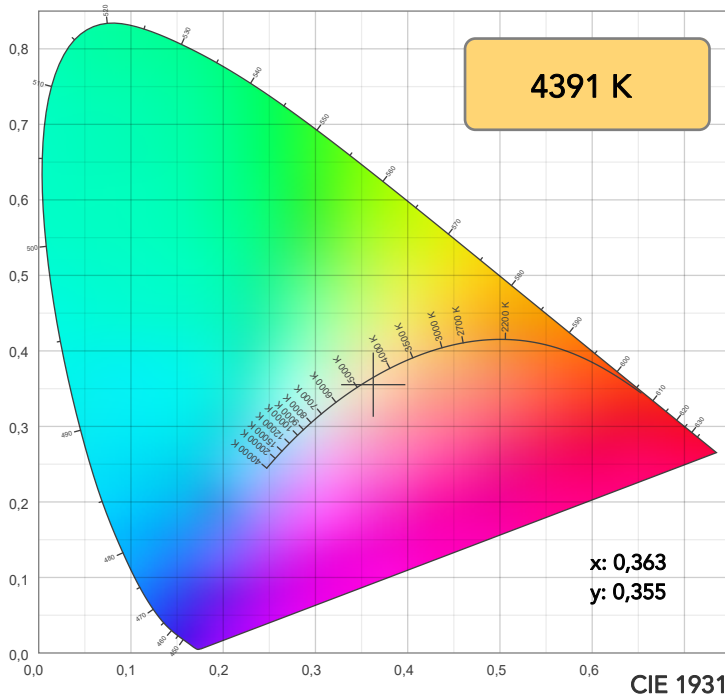
Field angle 10%: 76,9°

Cut off angle 2.5%: 85,6°

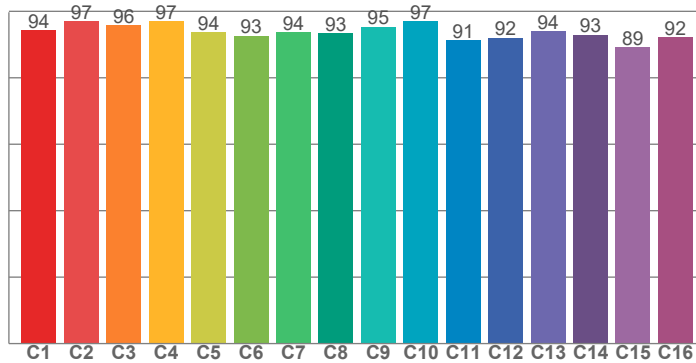
Spectra



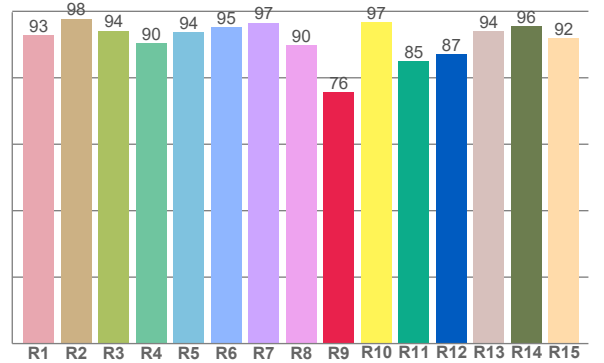
COLOR DETAILS



TM30: 94,1



CRI: 93,8 (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
92,9	97,8	94,2	90,4	93,6	95,1	96,6	89,9	75,7	96,7	85,0	87,1	94,1	95,6	91,9

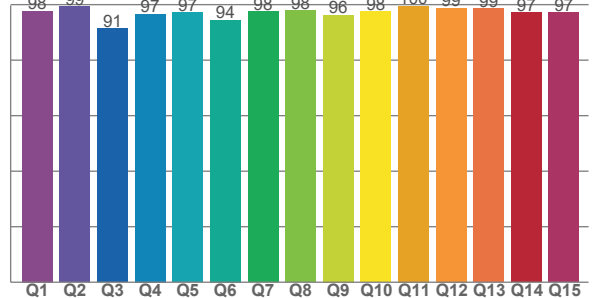
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,3	97,0	95,7	96,9	93,6	92,6	93,8	93,4	95,4	97,1	91,4	92,0	94,0	92,9	89,2	92,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,7	99,4	91,4	96,6	97,1	94,5	97,6	98,0	96,2	97,6	99,5	98,8	98,6	97,1	97,2

CQS: 96,5



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
4391 K	93,8	75,7	94,1	105,5	96,5	94	0,363	0,355	-0,0048

TM30 DETAILS

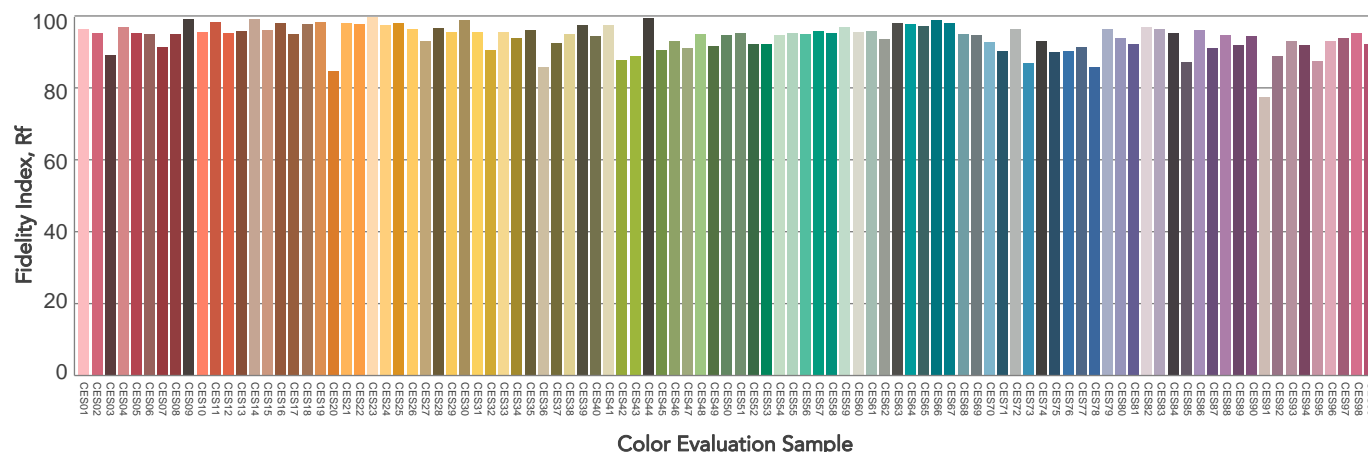
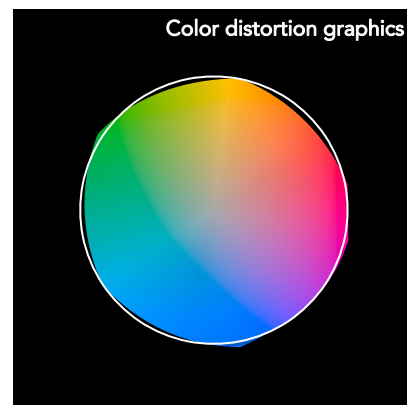
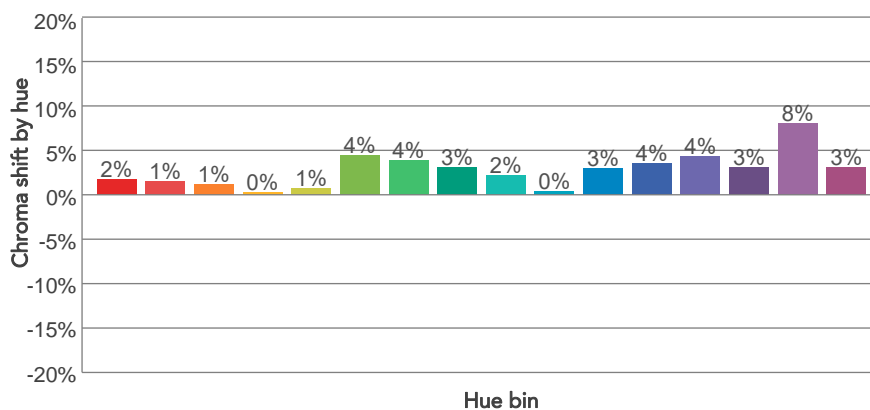
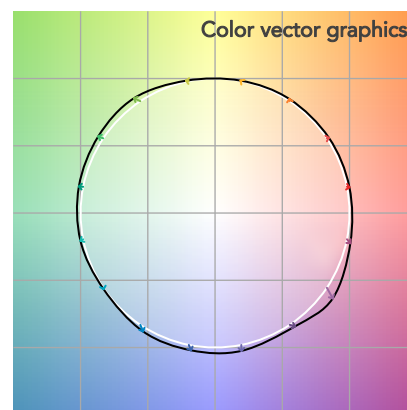
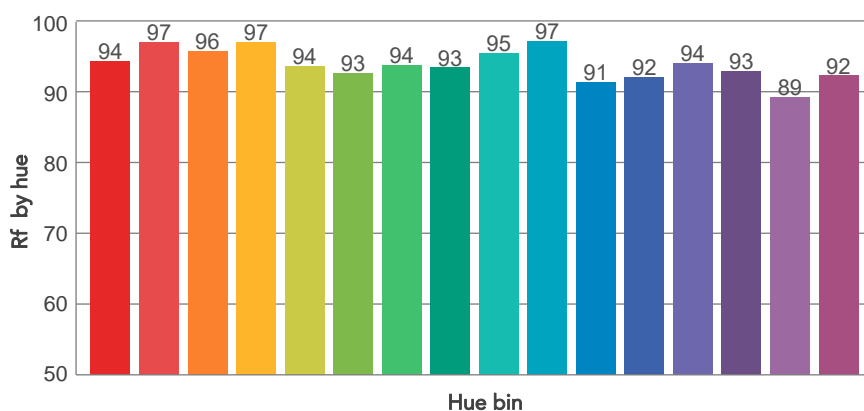
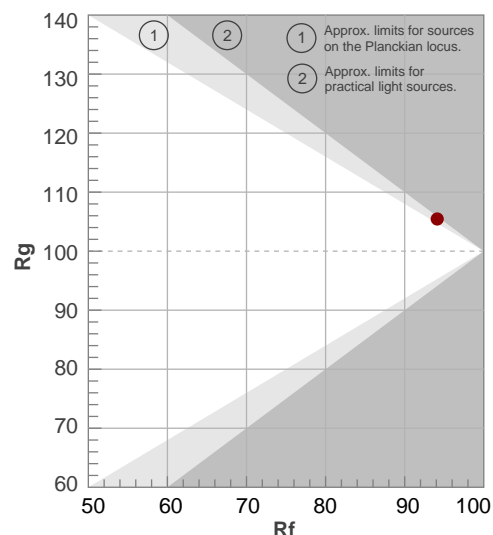
Rf 94,1

Fidelity index Rf

Rg 105,5

Gammut index

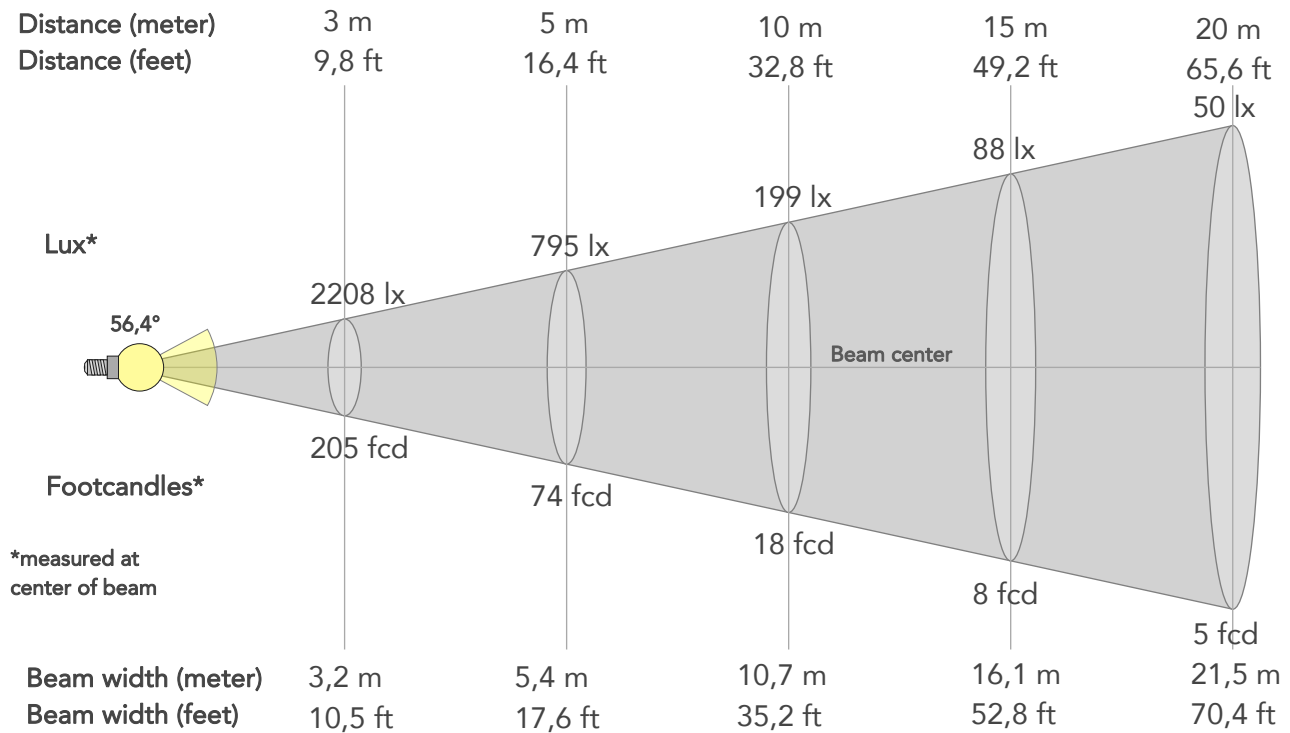
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	2%	-1%
2	97	1%	-1%
3	96	1%	1%
4	97	0%	1%
5	94	1%	2%
6	93	4%	3%
7	94	4%	1%
8	93	3%	0%
9	95	2%	1%
10	97	0%	1%
11	91	3%	4%
12	92	4%	2%
13	94	4%	-1%
14	93	3%	3%
15	89	8%	-4%
16	92	3%	-2%



BEAM DETAILS



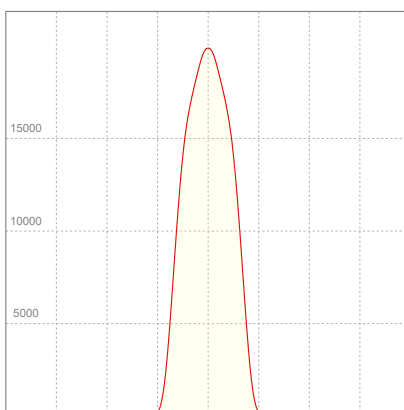
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,4°	76,9°	85,6°	99,7%	99,2%



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	19875lx	4969lx	2208lx	1242lx	795lx	353lx	199lx	88lx	50lx	32lx	22lx	12lx	8lx
Footcand.	1846fcd	462fcd	205fcd	115fcd	74fcd	33fcd	18fcd	8fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	1,1m	2,1m	3,2m	4,3m	5,4m	8m	10,7m	16,1m	21,5m	26,8m	32,2m	42,9m	53,6m
Beam wid.	3,5ft	7,1ft	10,5ft	14,1ft	17,6ft	26,4ft	35,2ft	52,8ft	70,4ft	88ft	105,5ft	140,7ft	175,9ft

LINEAR DISTRIBUTION DIAGRAM

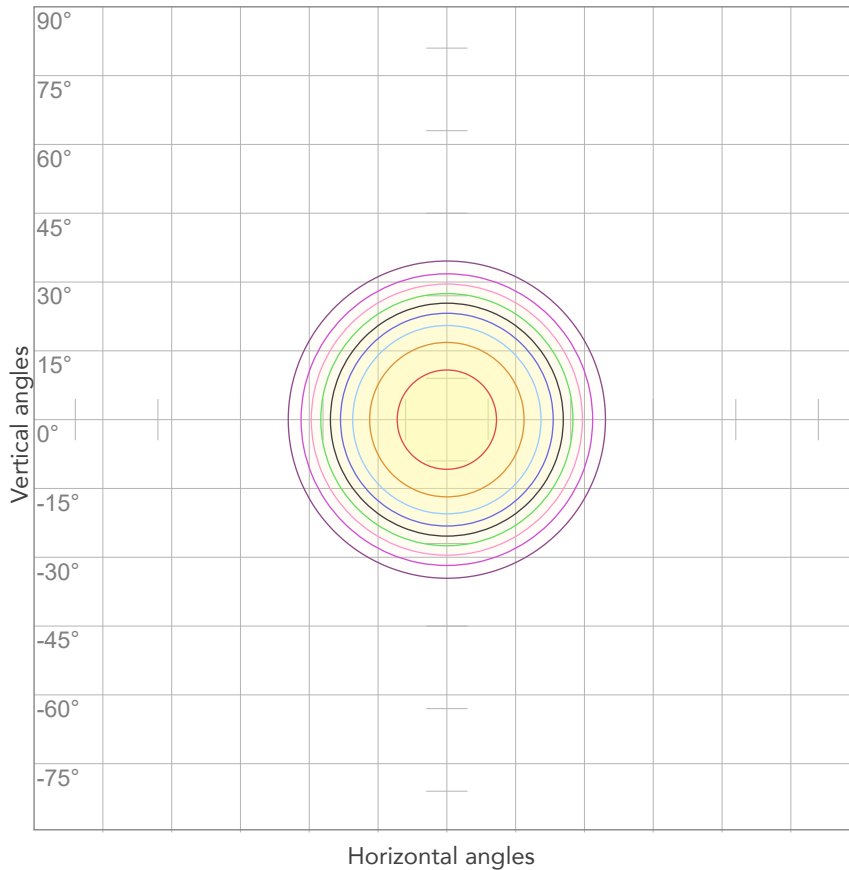


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	2,47A	550,4W	1,0	28lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



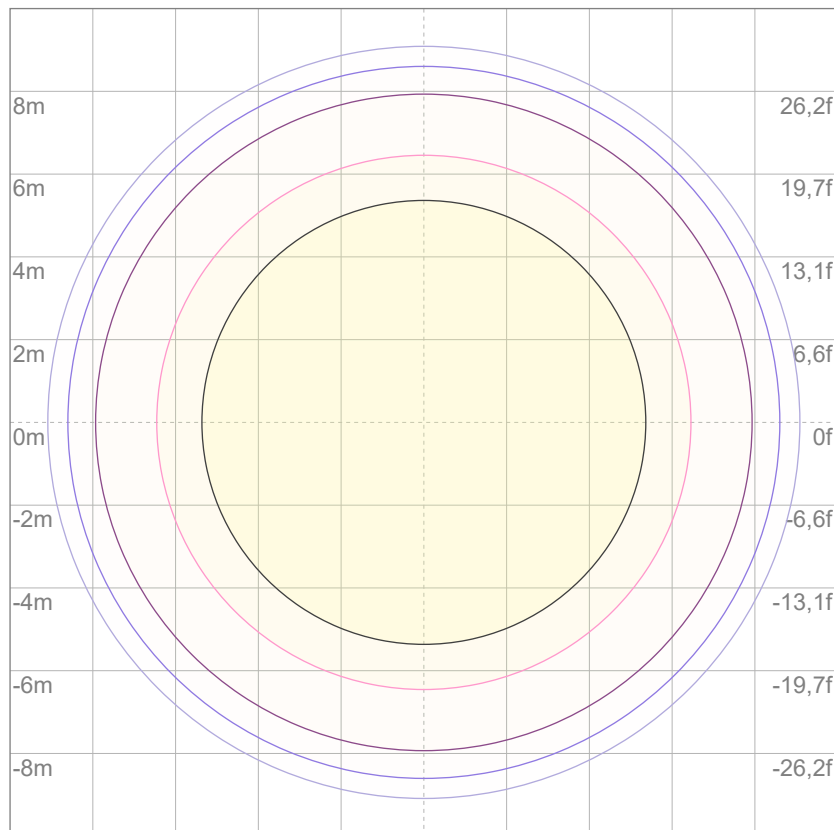
10%	1988 cd
20%	3975 cd
30%	5963 cd
40%	7950 cd
50%	9938 cd
60%	11925 cd
70%	13913 cd
80%	15900 cd

Conditions:

Number of c-planes: 2

Candela at center: 19875 cd

ISO LUX DIAGRAM



3%	5,96 lx
5%	9,94 lx
10%	19,9 lx
30%	59,6 lx
50%	99,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 199 lx

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



Total lumen output:

12808 lm

Peak candela output:

67332 cd

Light quality:

CRI: 94,0

Color temperature:

4428 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

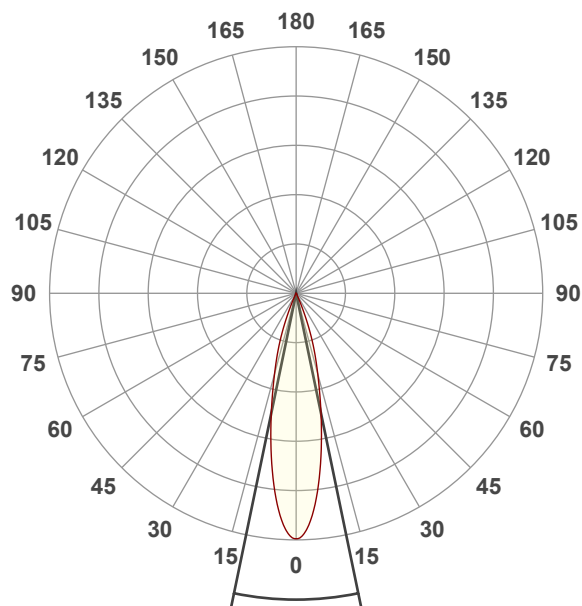
Full On - HQ - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 15:49:52

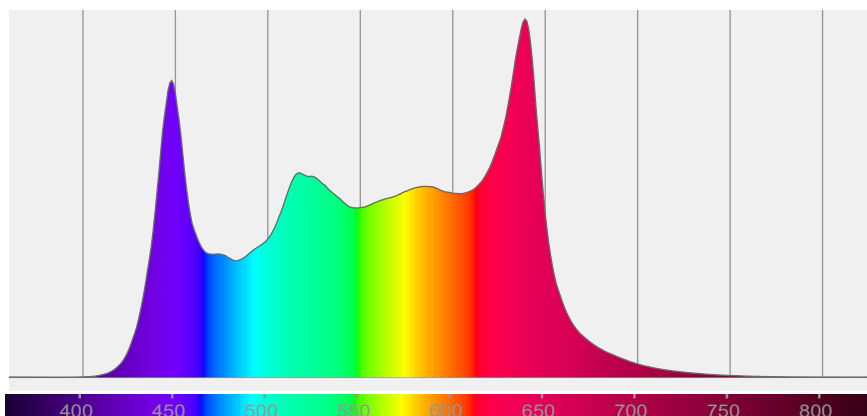


Beam angle 50%: 23,4°

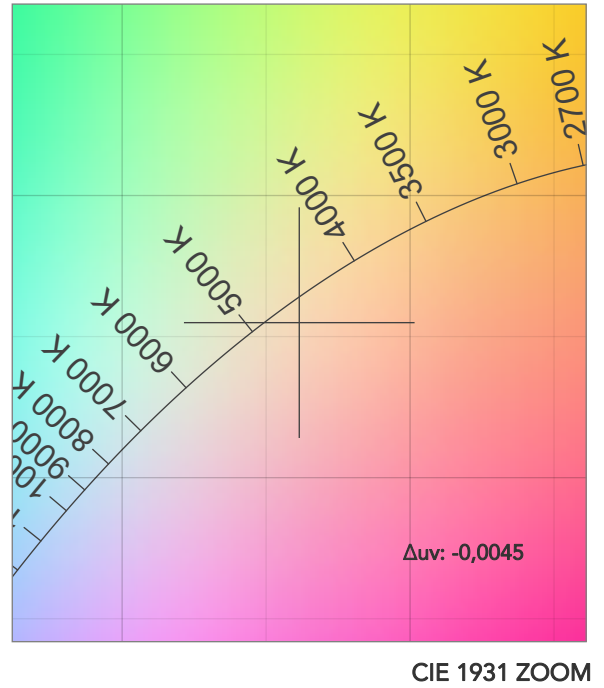
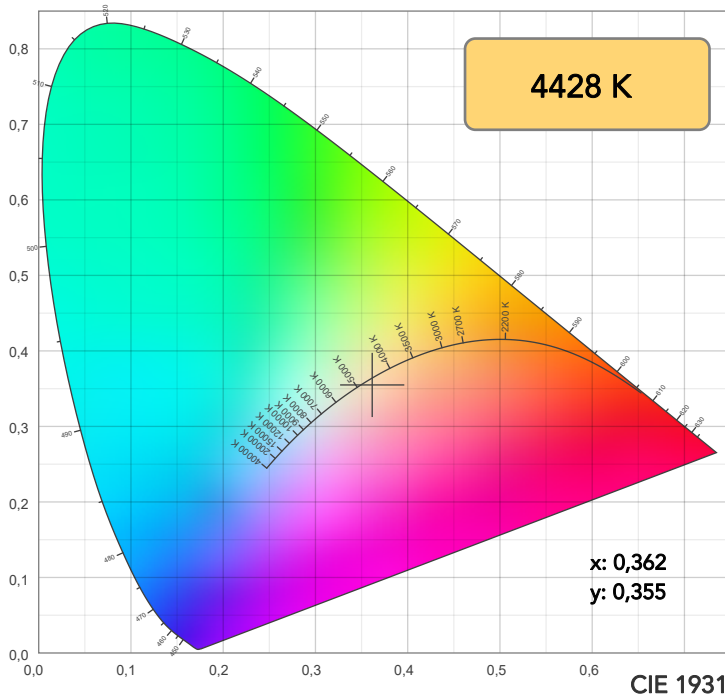
Field angle 10%: 43,2°

Cut off angle 2.5%: 49,8°

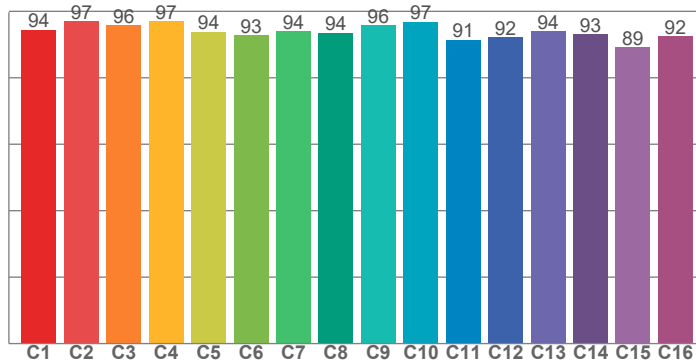
Spectra



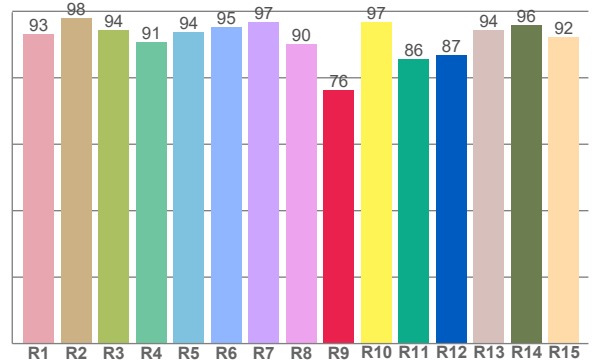
COLOR DETAILS



TM30: 94,2



CRI: 94,0 (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
93,1	97,8	94,4	90,8	93,8	95,2	96,8	90,2	76,3	96,8	85,5	86,7	94,3	95,8	92,1

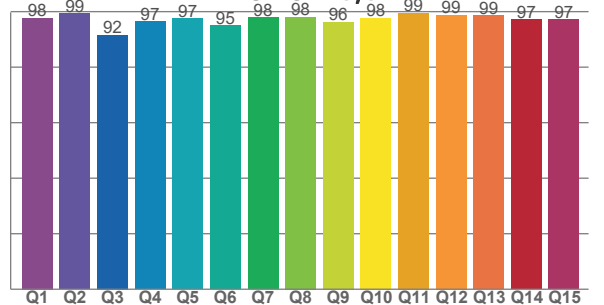
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,4	97,0	95,8	97,0	93,8	92,9	94,0	93,6	95,8	96,9	91,4	92,1	94,1	93,2	89,2	92,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,6	99,4	91,6	96,5	97,4	94,9	97,8	98,0	96,3	97,8	99,4	98,8	98,6	97,2	97,1

CQS: 96,6



COLOR PARAMETERS

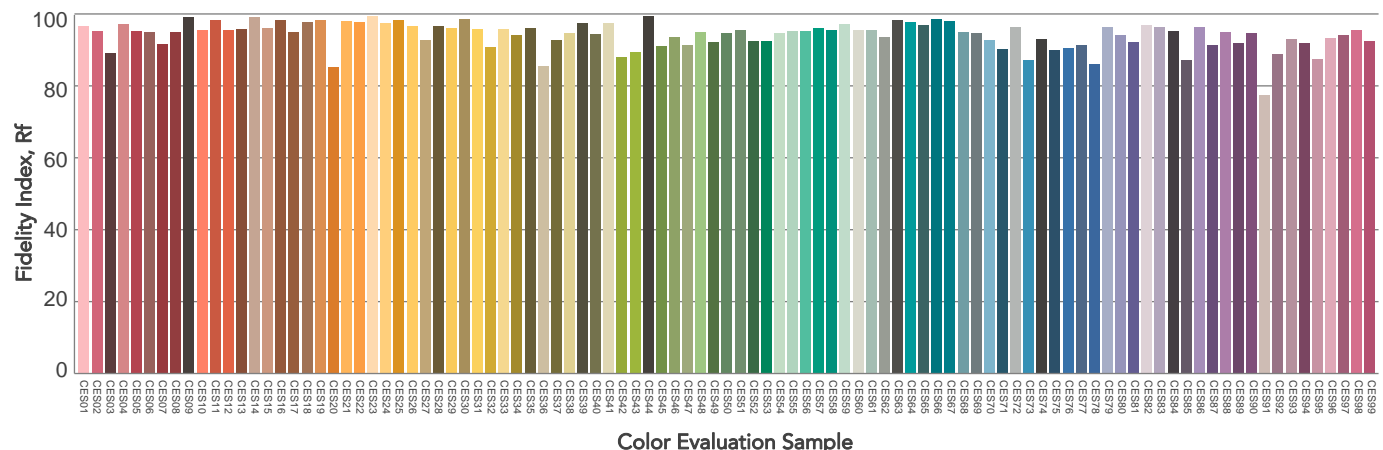
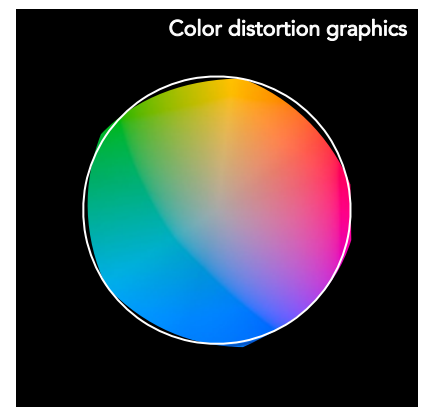
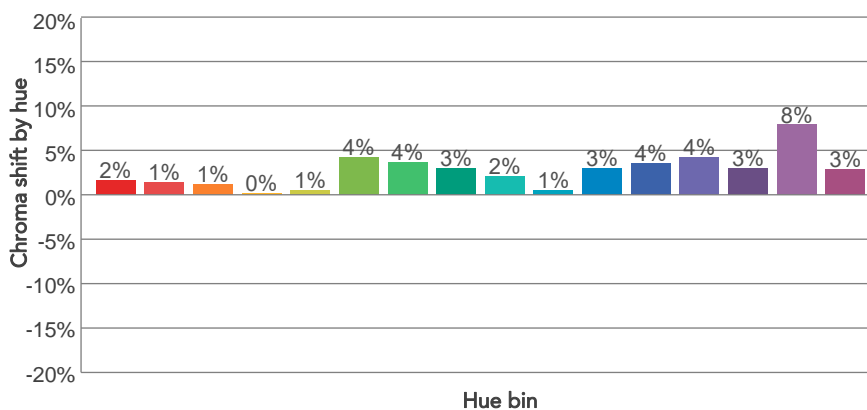
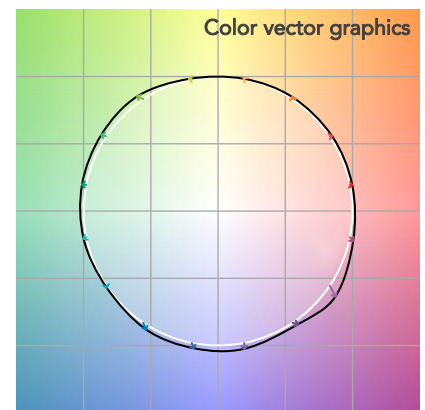
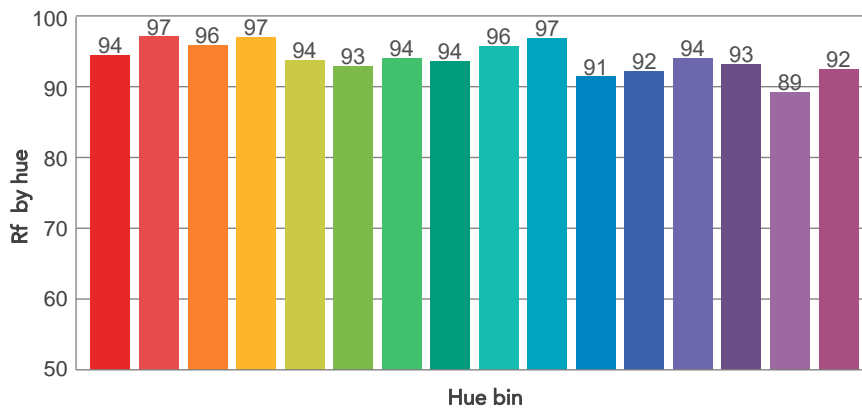
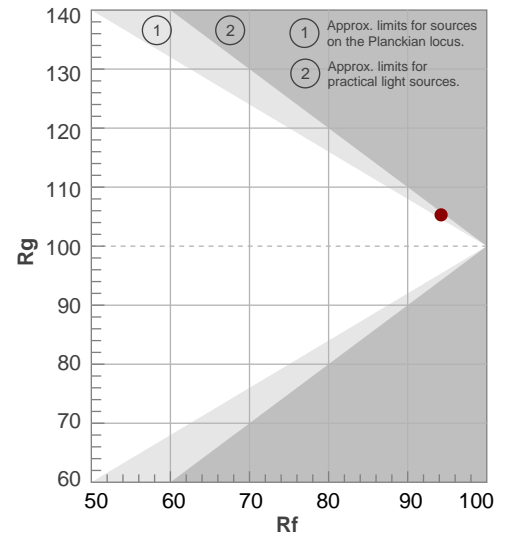
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4428 K	94,0	76,3	94,2	105,3	96,6	94	0,362	0,355	-0,0045

TM30 DETAILS

Rf 94,2
Fidelity index Rf

Rg 105,3
Gammut index

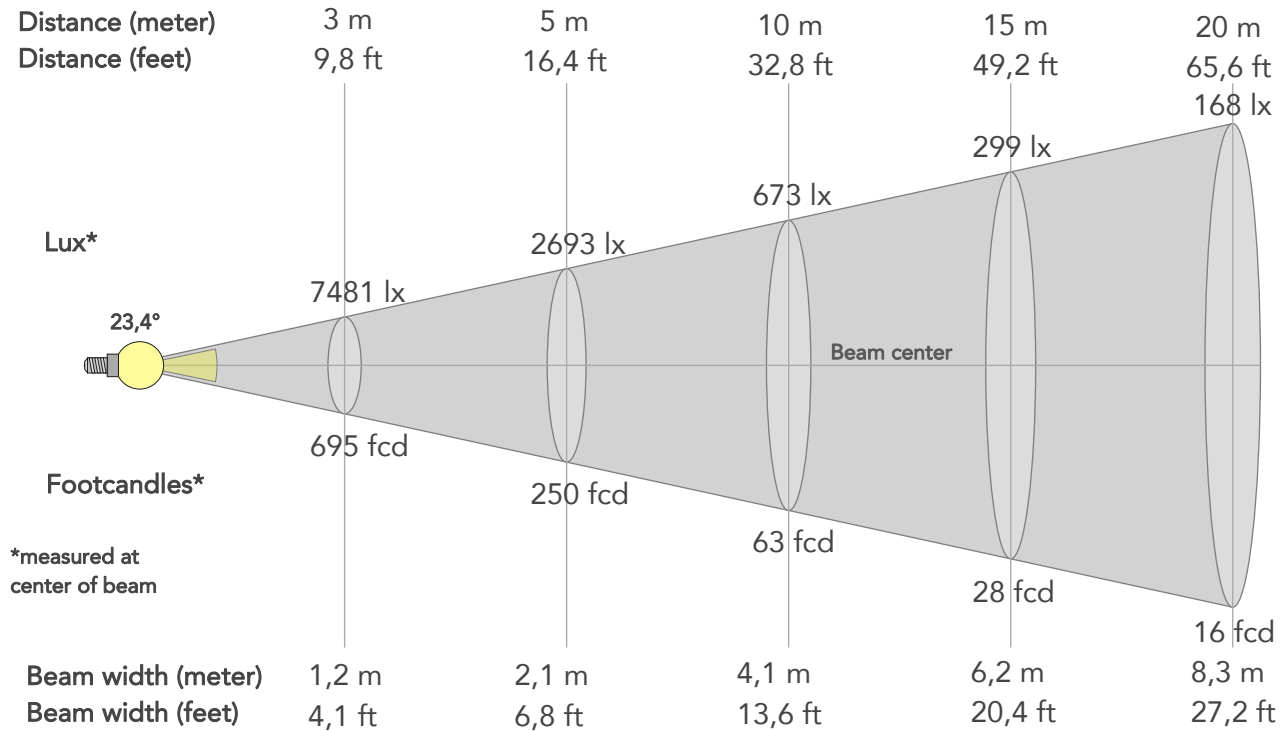
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	2%	-1%
2	97	1%	0%
3	96	1%	1%
4	97	0%	1%
5	94	1%	2%
6	93	4%	3%
7	94	4%	1%
8	94	3%	1%
9	96	2%	1%
10	97	1%	1%
11	91	3%	4%
12	92	4%	2%
13	94	4%	-1%
14	93	3%	3%
15	89	8%	-4%
16	92	3%	-2%



BEAM DETAILS



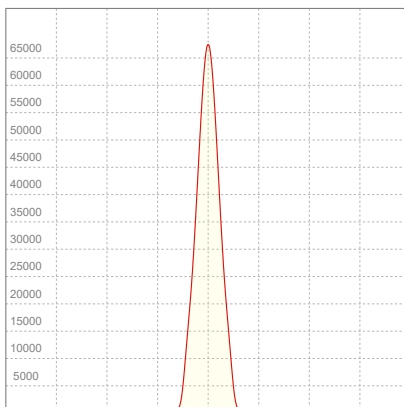
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	43,2°	49,8°	99,7%	98,9%



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	67332lx	16833lx	7481lx	4208lx	2693lx	1197lx	673lx	299lx	168lx	108lx	75lx	42lx	27lx
Footcand.	6255fcd	1564fcd	695fcd	391fcd	250fcd	111fcd	63fcd	28fcd	16fcd	10fcd	7fcd	4fcd	3fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,4m	12,4m	16,6m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34ft	40,8ft	54,4ft	67,9ft

LINEAR DISTRIBUTION DIAGRAM

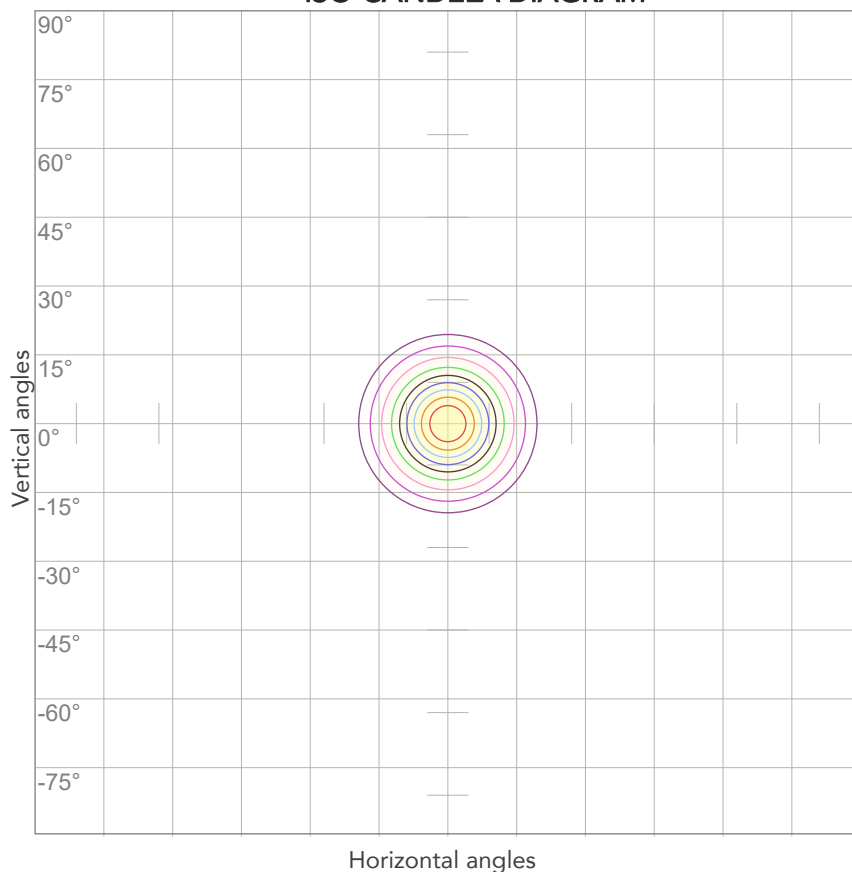


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	2,44A	550,1W	1,0	23lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



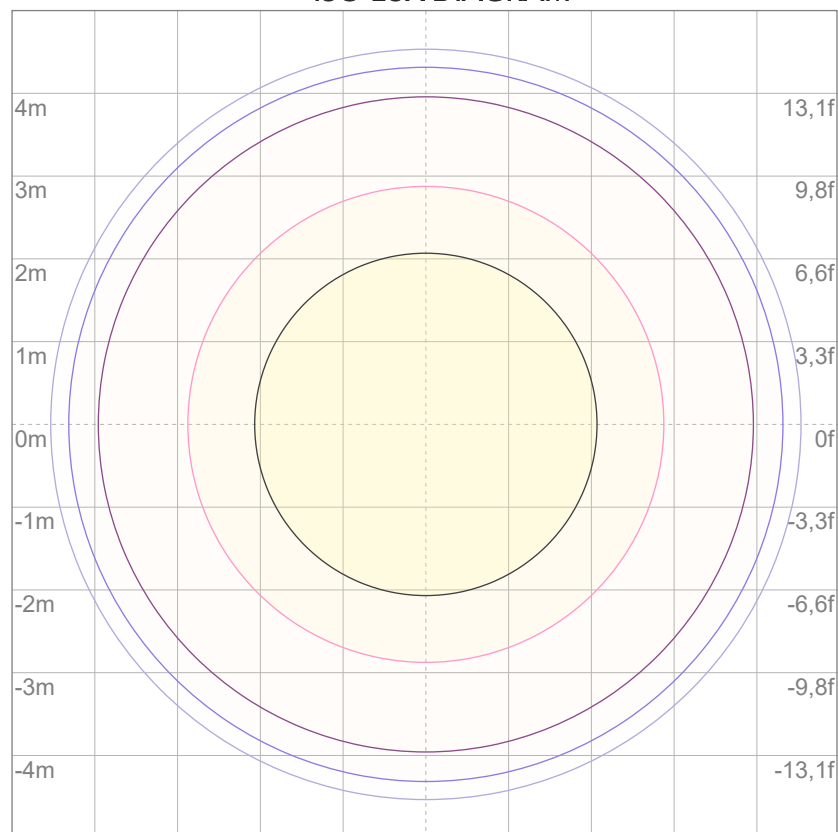
10%	6733 cd
20%	13466 cd
30%	20200 cd
40%	26933 cd
50%	33666 cd
60%	40399 cd
70%	47133 cd
80%	53866 cd

Conditions:

Number of c-planes: 2

Candela at center: 67332 cd

ISO LUX DIAGRAM



3%	20,2 lx
5%	33,7 lx
10%	67,3 lx
30%	202 lx
50%	337 lx

Conditions:

Number of c-planes: 2

Lux at center: 673 lx

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



Total lumen output:

7426 lm

Peak candela output:

192602 cd

Light quality:

CRI: 93,9

Color temperature:

4392 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

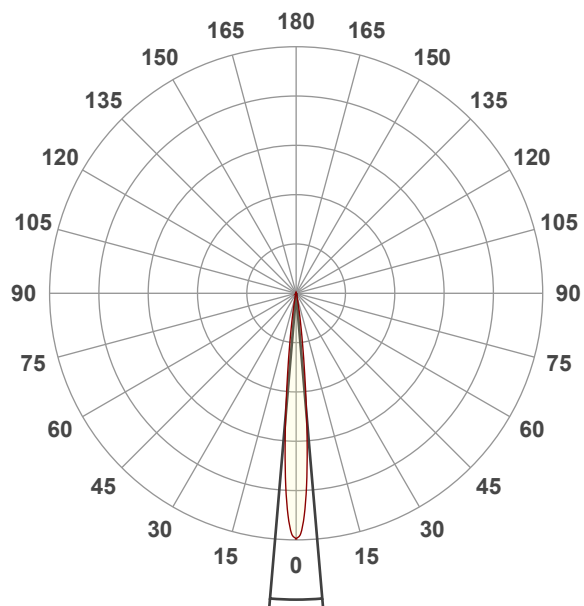
Full On - HQ - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 17:08:56

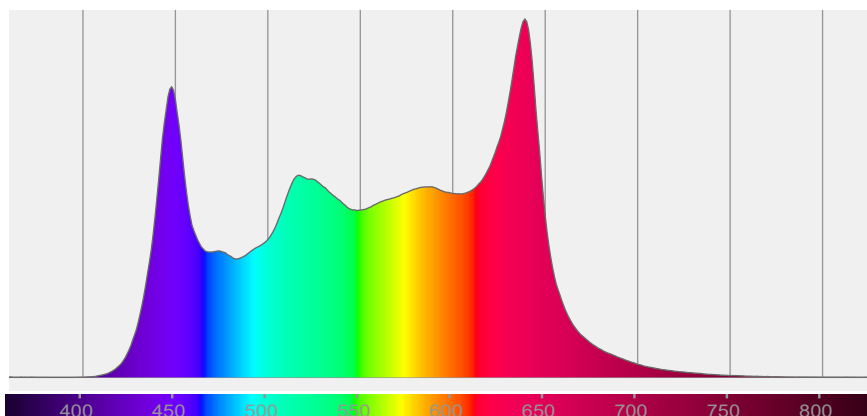


Beam angle 50%: 9,8°

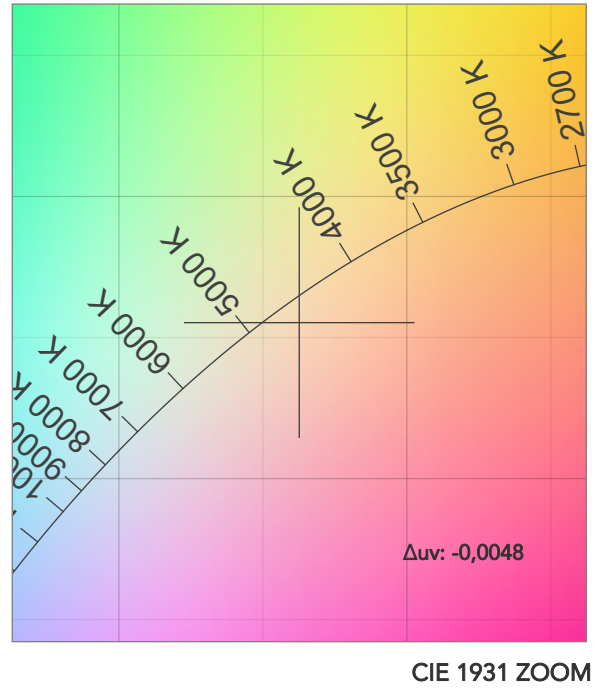
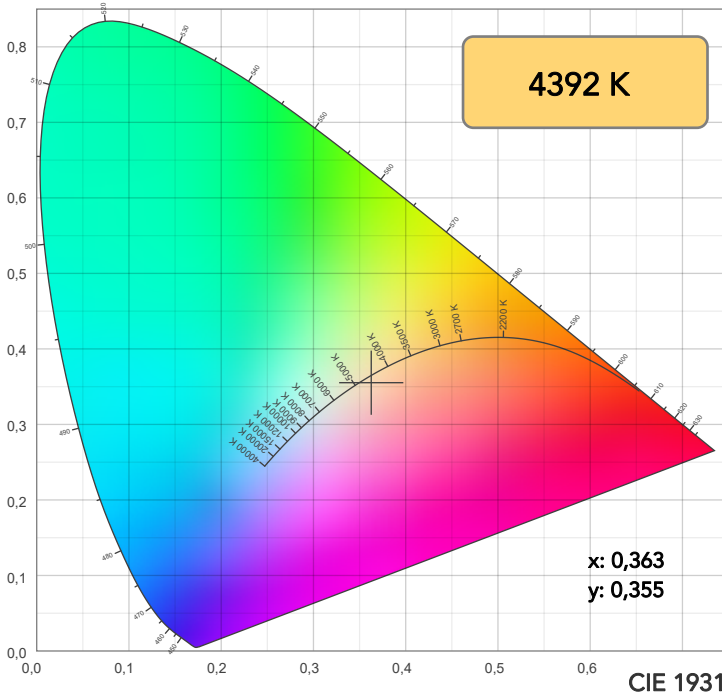
Field angle 10%: 17,9°

Cut off angle 2.5%: 25°

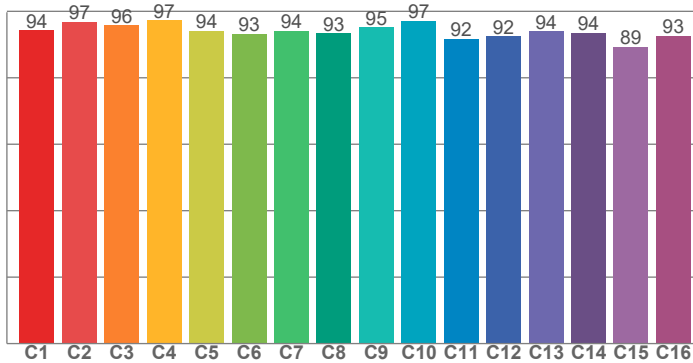
Spectra



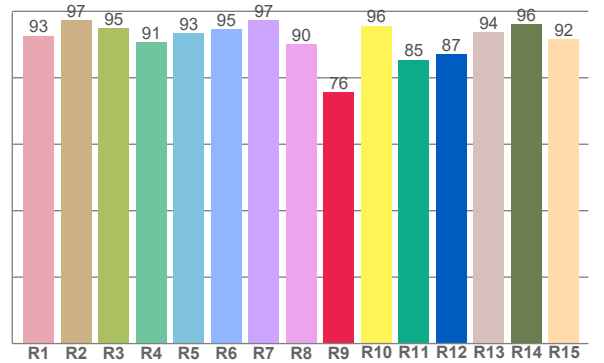
COLOR DETAILS



TM30: 94,3



CRI: 93,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92,7	97,3	95,0	90,8	93,3	94,6	97,3	90,2	75,8	95,7	85,4	87,2	93,7	96,1	91,7

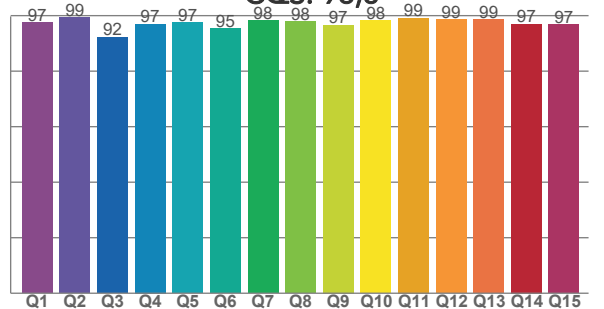
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,3	96,8	95,9	97,2	94,2	93,2	94,1	93,5	95,3	97,1	91,8	92,4	94,1	93,5	89,3	92,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,5	99,4	92,2	97,0	97,5	95,3	98,2	97,9	96,6	98,2	99,1	98,6	98,5	97,0	96,8

CQS: 96,8



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4392 K	93,9	75,8	94,3	105,1	96,8	94	0,363	0,355	-0,0048

TM30 DETAILS

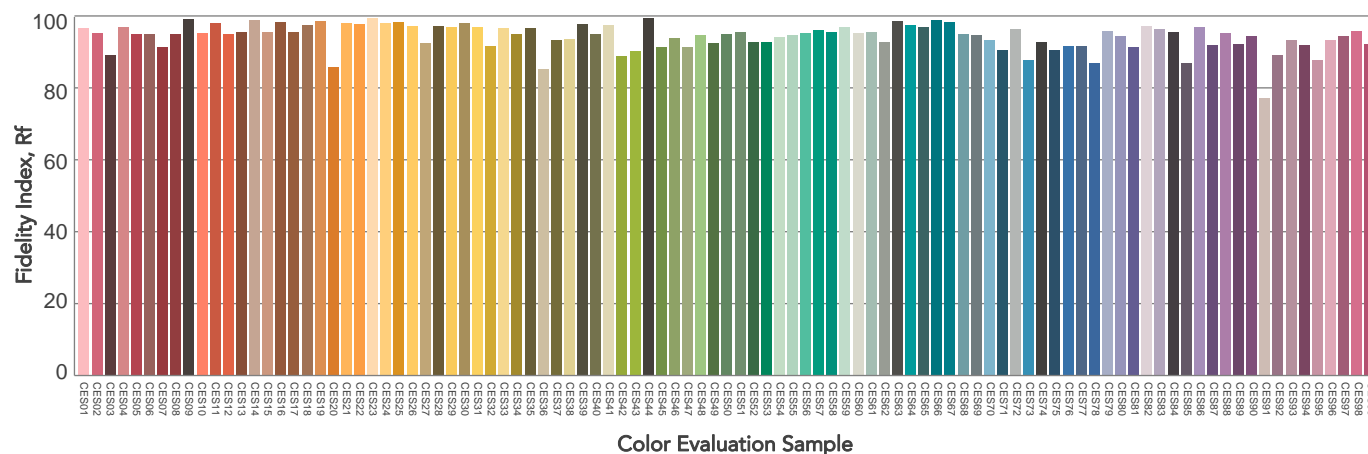
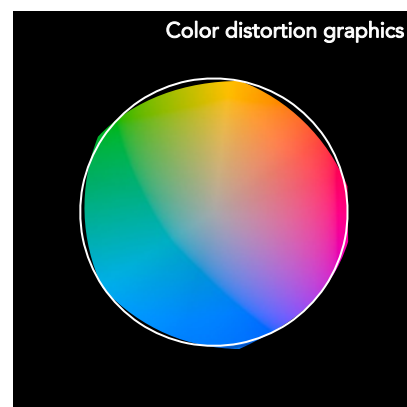
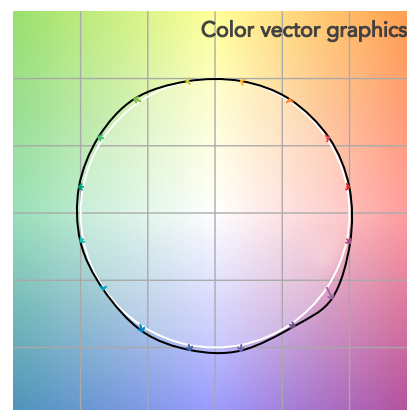
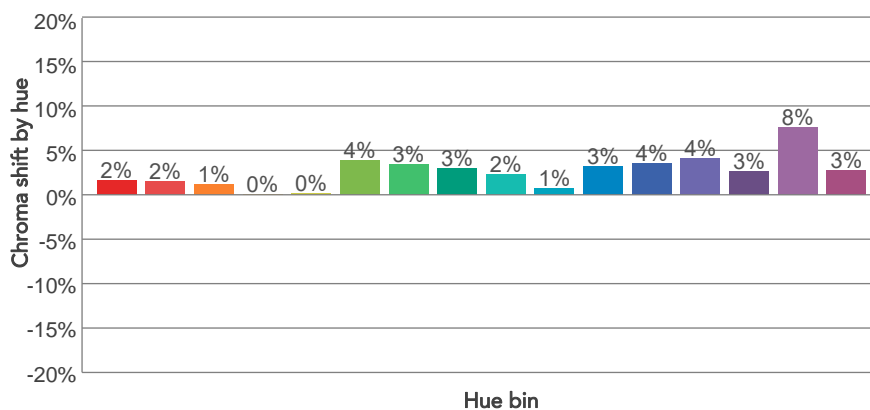
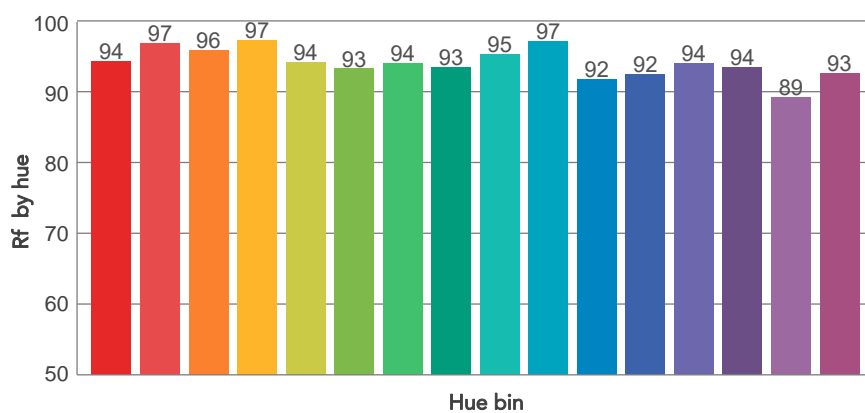
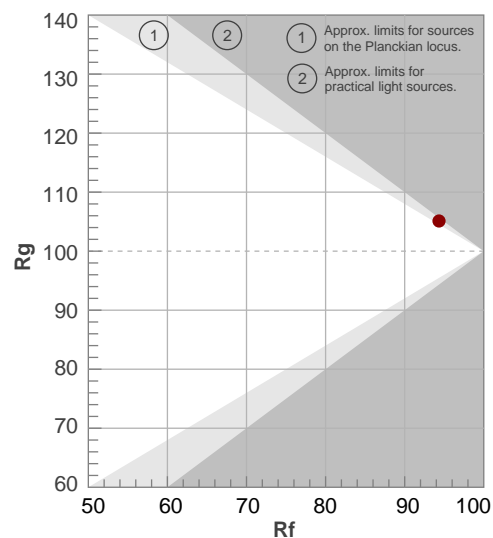
Rf 94,3

Fidelity index R_f

Rg 105,1

Gammut index

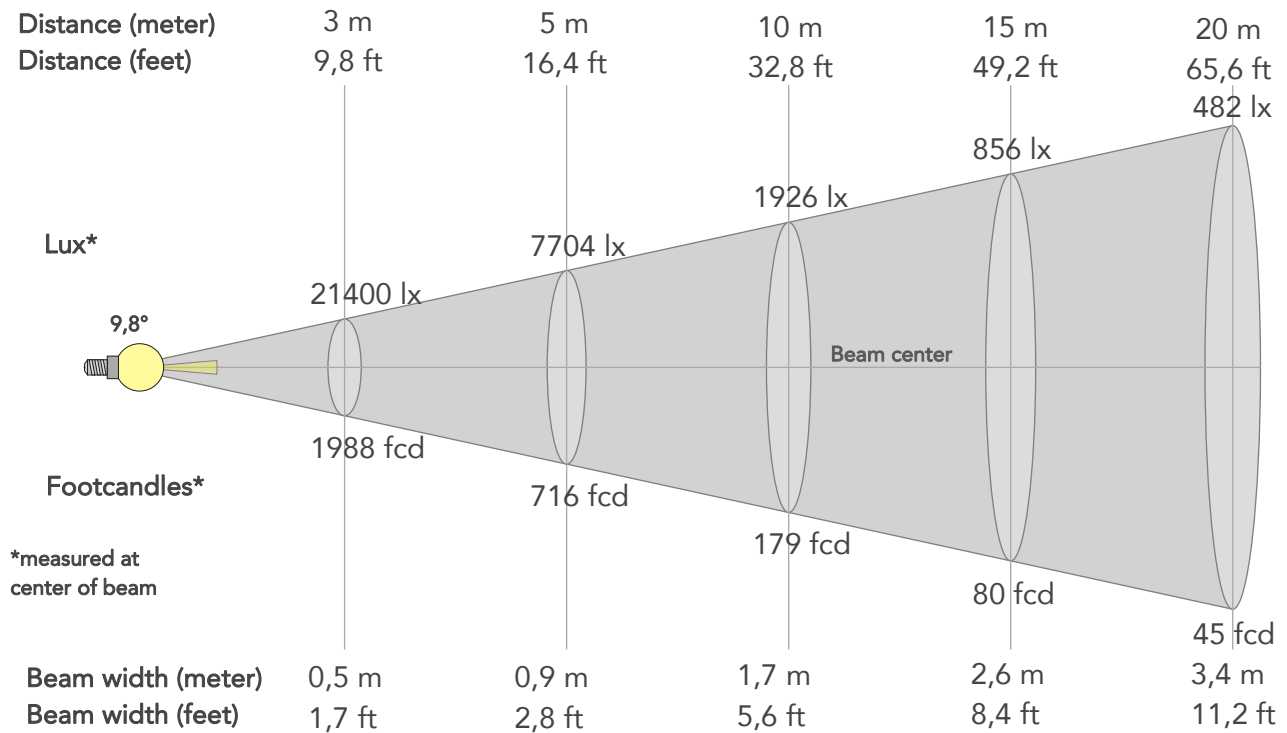
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	2%	-1%
2	97	2%	-1%
3	96	1%	1%
4	97	0%	0%
5	94	0%	2%
6	93	4%	3%
7	94	3%	1%
8	93	3%	1%
9	95	2%	1%
10	97	1%	1%
11	92	3%	4%
12	92	4%	2%
13	94	4%	-1%
14	94	3%	2%
15	89	8%	-4%
16	93	3%	-2%



BEAM DETAILS



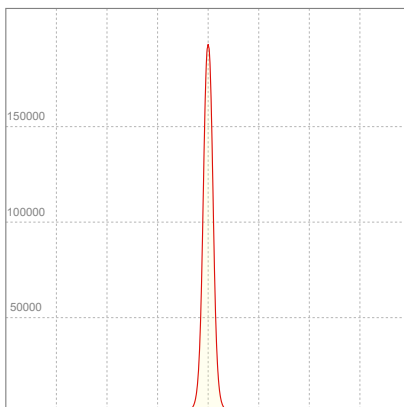
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,8°	17,9°	25°	99,7%	98,6%



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	192602lx	48151lx	21400lx	12038lx	7704lx	3424lx	1926lx	856lx	482lx	308lx	214lx	120lx	77lx
Footcand.	17893fcd	4473fcd	1988fcd	1118fcd	716fcd	318fcd	179fcd	80fcd	45fcd	29fcd	20fcd	11fcd	7fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,4m	4,3m	5,1m	6,9m	8,6m
Beam wid.	0,6ft	1,1ft	1,7ft	2,2ft	2,8ft	4,2ft	5,6ft	8,4ft	11,2ft	14ft	16,9ft	22,5ft	28,1ft

LINEAR DISTRIBUTION DIAGRAM

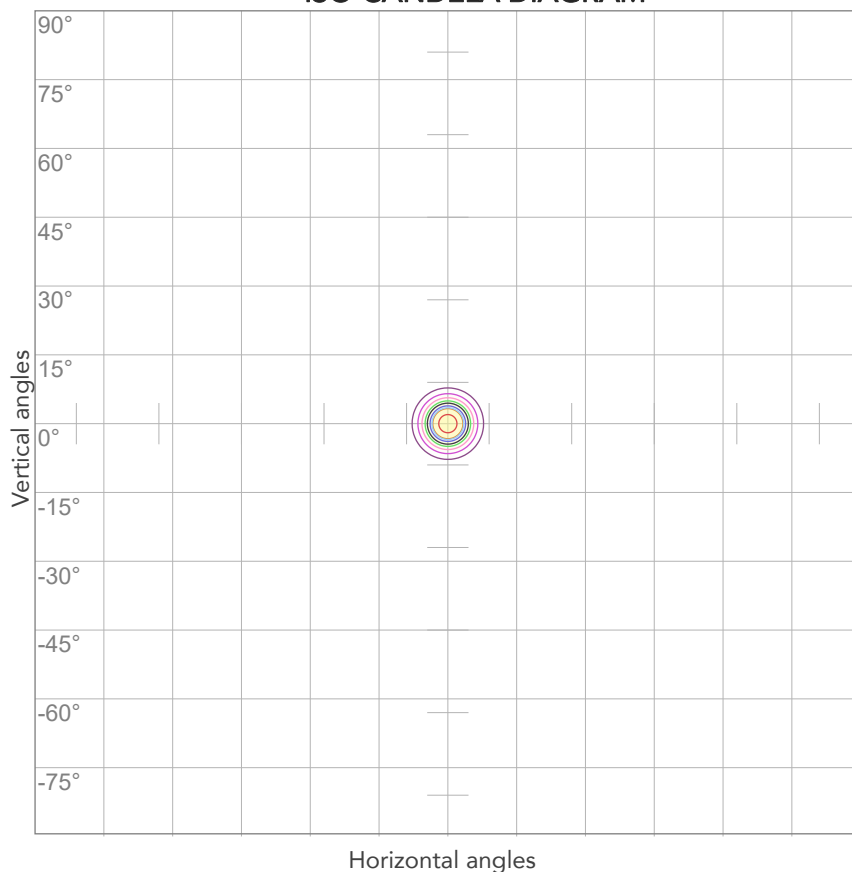


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	2,44A	548,3W	1,0	14lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



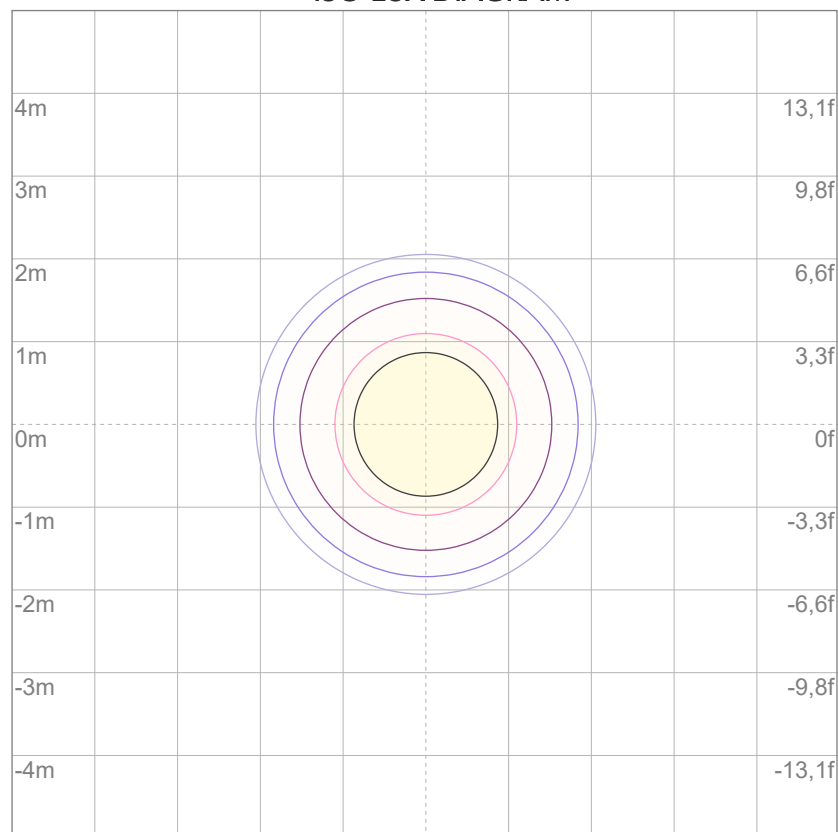
10%	19260 cd
20%	38520 cd
30%	57781 cd
40%	77041 cd
50%	96301 cd
60%	115561 cd
70%	134821 cd
80%	154082 cd

Conditions:

Number of c-planes: 2

Candela at center: 192602 cd

ISO LUX DIAGRAM



3%	57,8 lx
5%	96,3 lx
10%	193 lx
30%	578 lx
50%	963 lx

Conditions:

Number of c-planes: 2

Lux at center: 1926 lx

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



Total lumen output:

1579 lm

Peak candela output:

2066 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

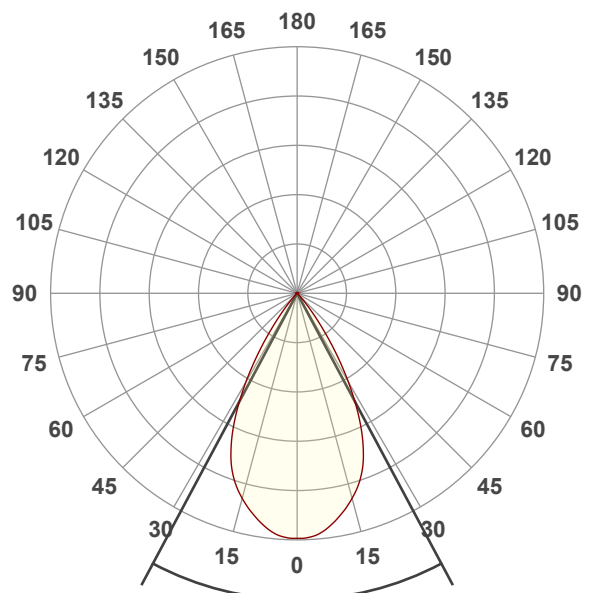
Red - HQ - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 16:02:53

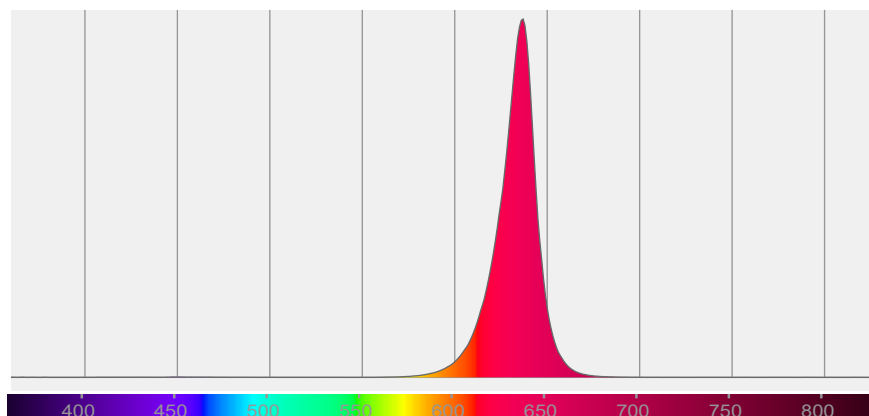


Beam angle 50%: 56,2°

Field angle 10%: 76,8°

Cut off angle 2.5%: 85,5°

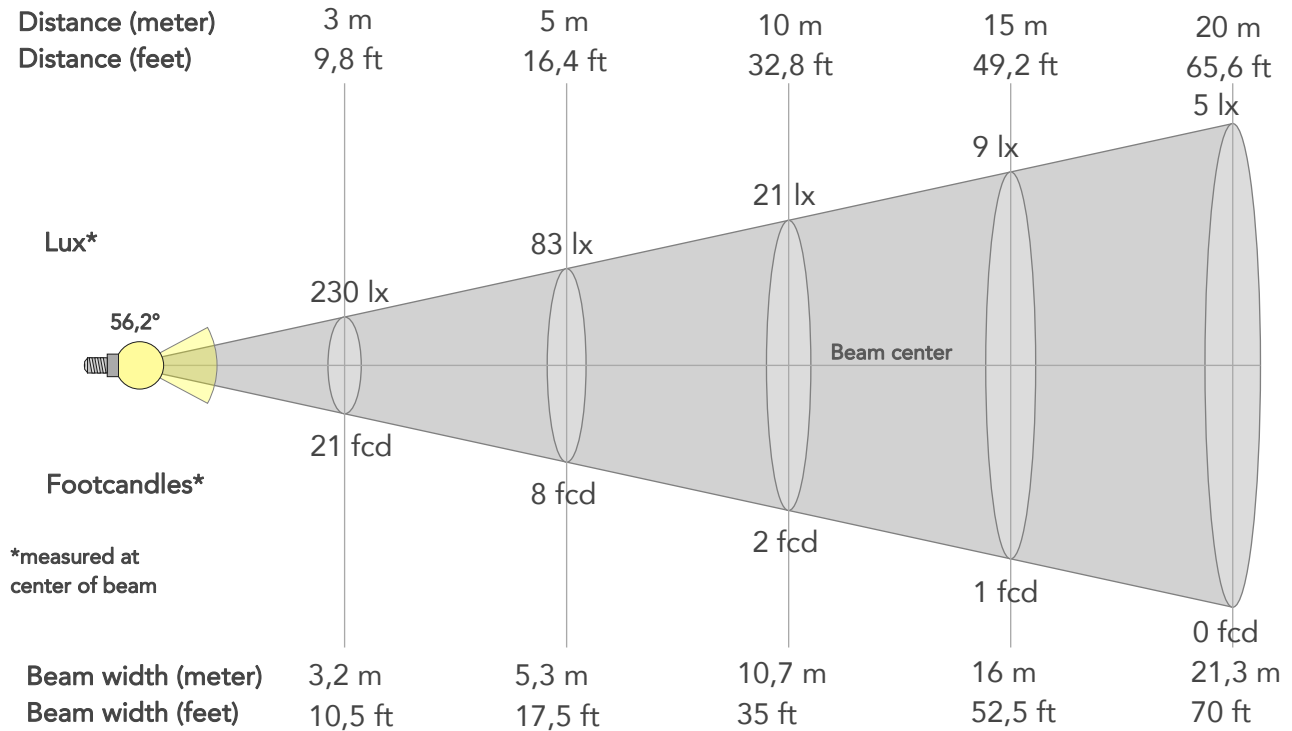
Spectra



BEAM DETAILS



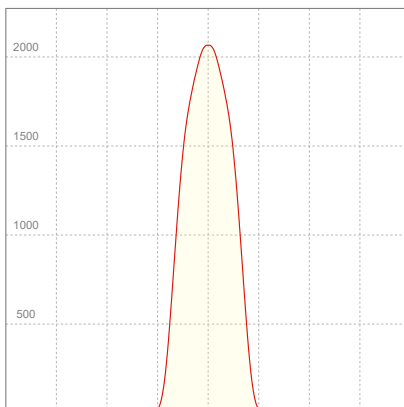
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,2°	76,8°	85,5°	99,7%	99,2%



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	2066lx	516lx	230lx	129lx	83lx	37lx	21lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	192fcd	48fcd	21fcd	12fcd	8fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,1m	3,2m	4,3m	5,3m	8m	10,7m	16m	21,3m	26,7m	32m	42,7m	53,4m
Beam wid.	3,5ft	7ft	10,5ft	14ft	17,5ft	26,3ft	35ft	52,5ft	70ft	87,5ft	105ft	140ft	175ft

LINEAR DISTRIBUTION DIAGRAM

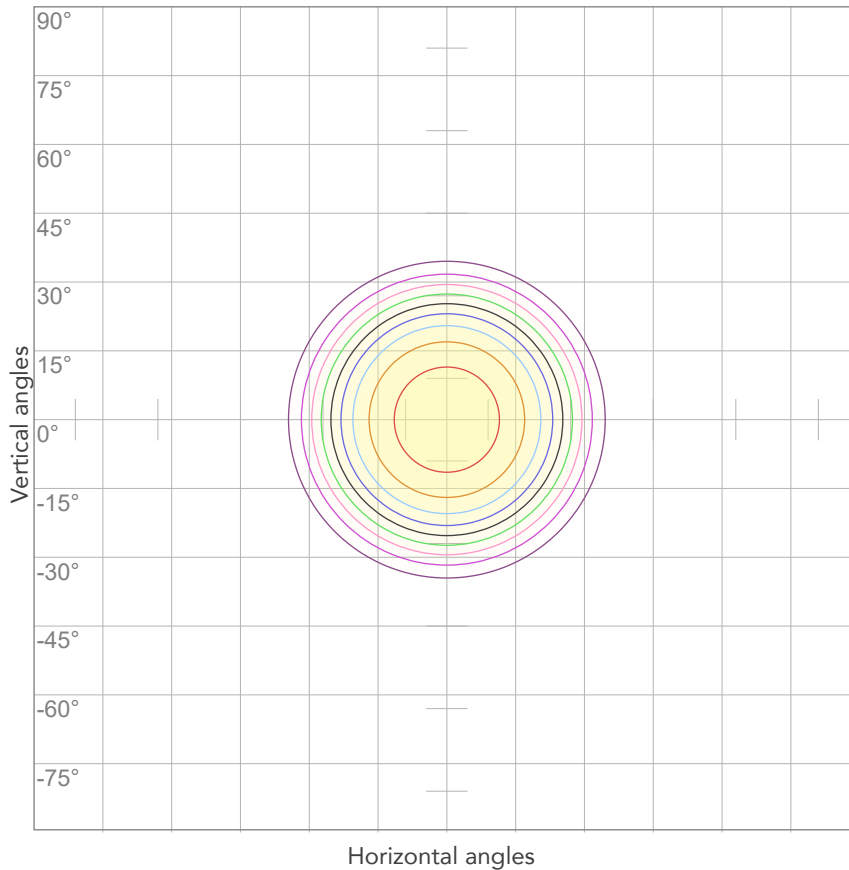


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,508A	102,2W	0,89	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



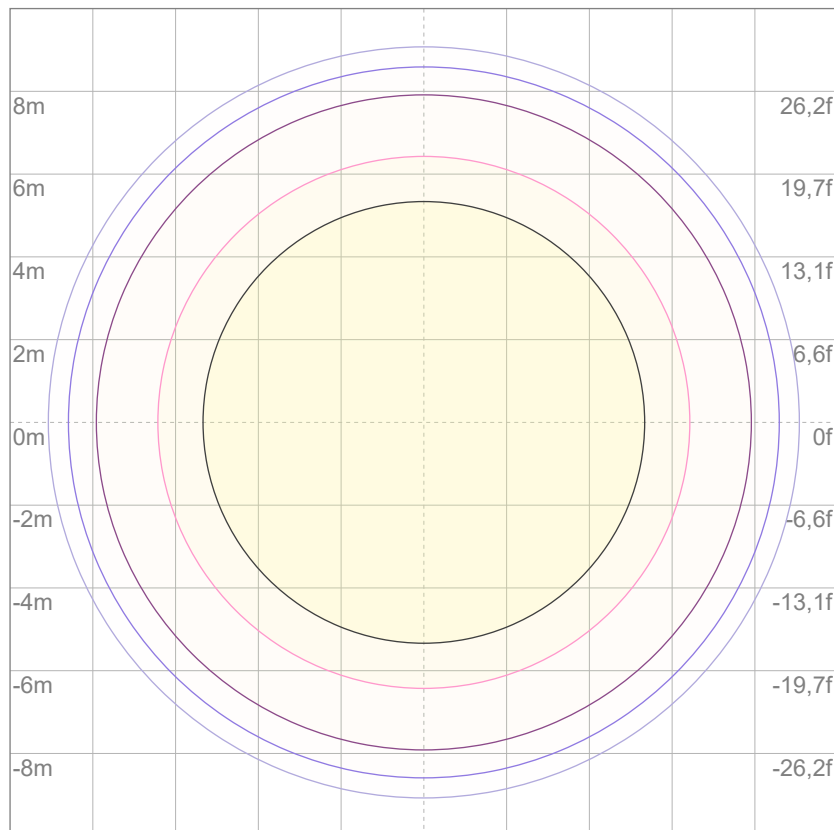
10%	207 cd
20%	413 cd
30%	620 cd
40%	826 cd
50%	1033 cd
60%	1239 cd
70%	1446 cd
80%	1653 cd

Conditions:

Number of c-planes: 2

Candela at center: 2066 cd

ISO LUX DIAGRAM



3%	0,620 lx
5%	1,03 lx
10%	2,07 lx
30%	6,20 lx
50%	10,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 20,7 lx

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



Total lumen output:

1317 lm

Peak candela output:

6890 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

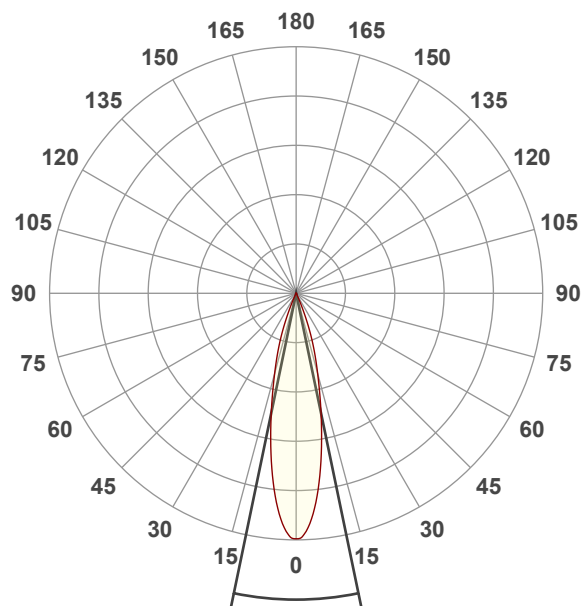
Red - HQ - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 15:51:31

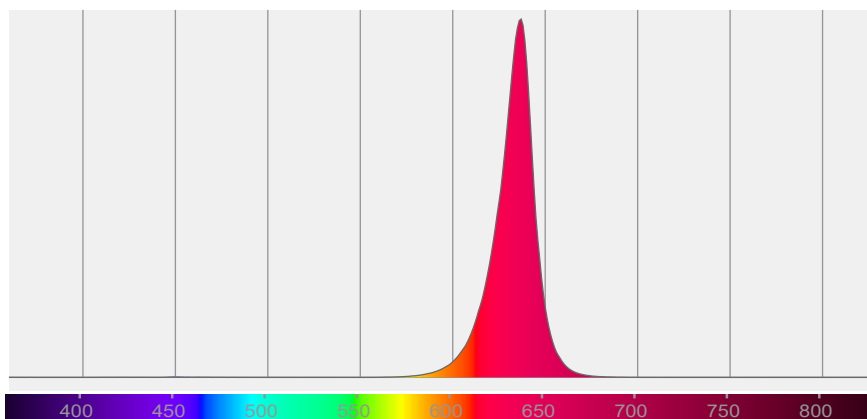


Beam angle 50%: 23,5°

Field angle 10%: 43,2°

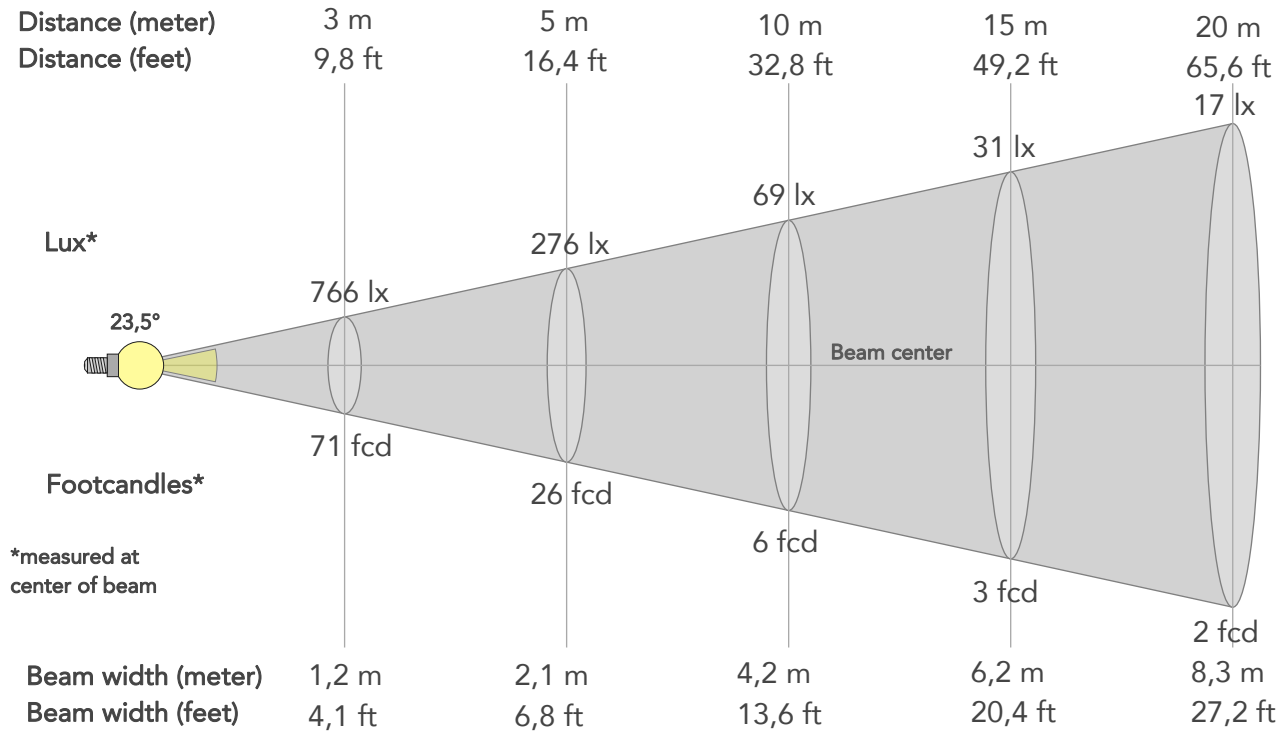
Cut off angle 2.5%: 49,8°

Spectra



BEAM DETAILS

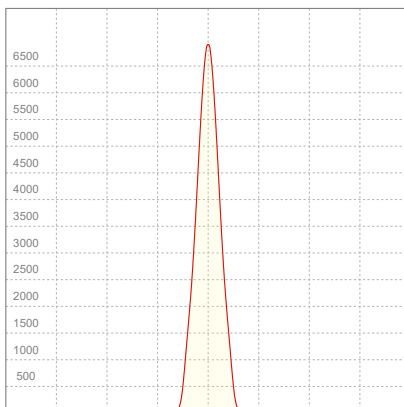
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,5°	43,2°	49,8°	99,6%	98,8%



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	6890lx	1723lx	766lx	431lx	276lx	122lx	69lx	31lx	17lx	11lx	8lx	4lx	3lx
Footcand.	640fcd	160fcd	71fcd	40fcd	26fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,2m	6,2m	8,3m	10,4m	12,5m	16,6m	20,8m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34,1ft	40,9ft	54,5ft	68,1ft

LINEAR DISTRIBUTION DIAGRAM

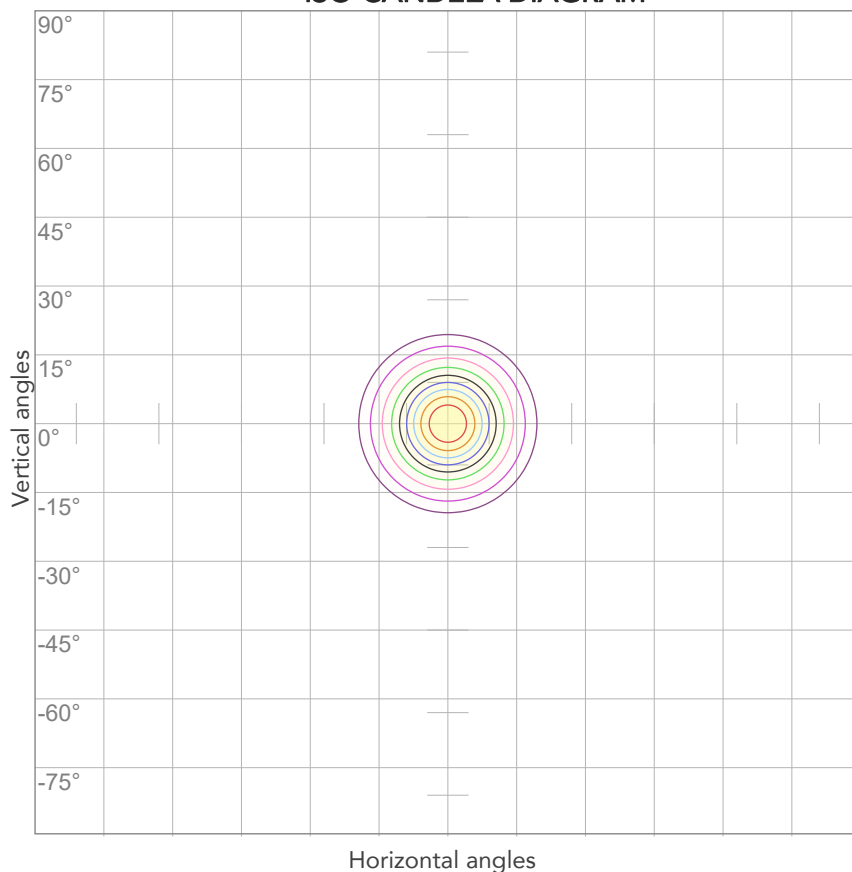


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,504A	101,7W	0,89	13lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



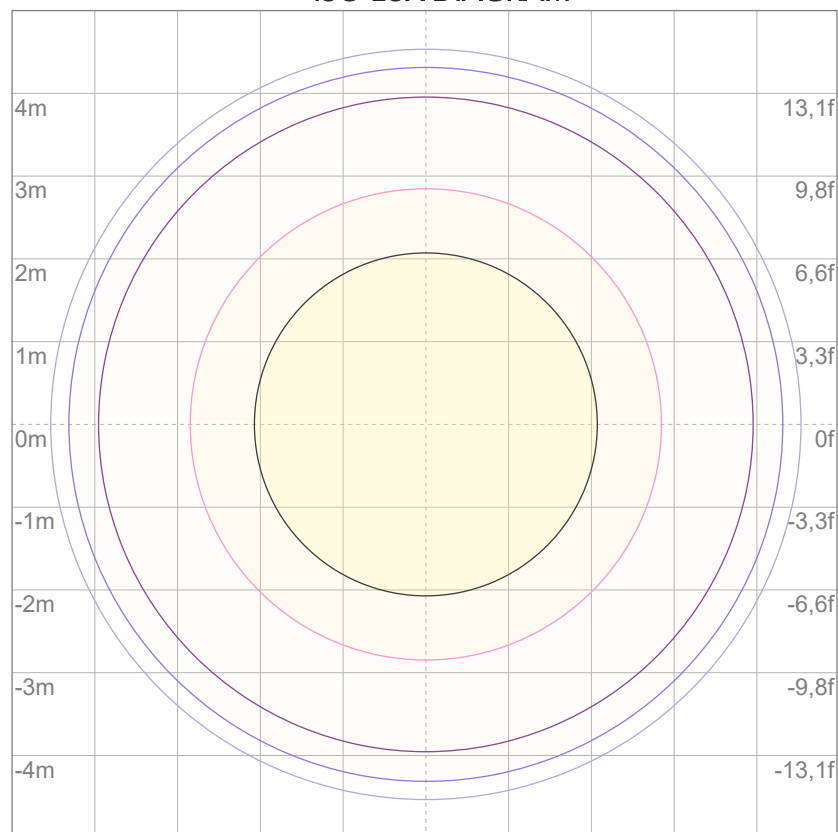
10%	689 cd
20%	1378 cd
30%	2067 cd
40%	2756 cd
50%	3445 cd
60%	4134 cd
70%	4823 cd
80%	5512 cd

Conditions:

Number of c-planes: 2

Candela at center: 6890 cd

ISO LUX DIAGRAM



3%	2,07 lx
5%	3,45 lx
10%	6,89 lx
30%	20,7 lx
50%	34,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 68,9 lx

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



Total lumen output:

759 lm

Peak candela output:

19861 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

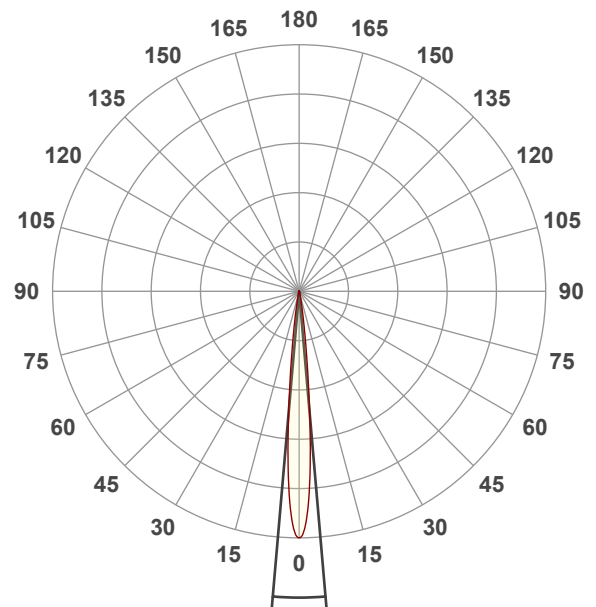
Red - HQ - RAW

Operator:

Salvatore Giglio

Date and time:

26/03/2025 10:27:24

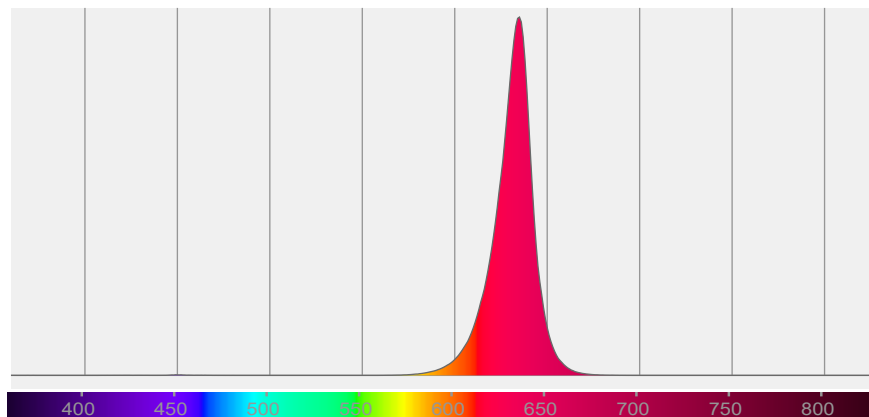


Beam angle 50%: 9,9°

Field angle 10%: 18°

Cut off angle 2.5%: 24,8°

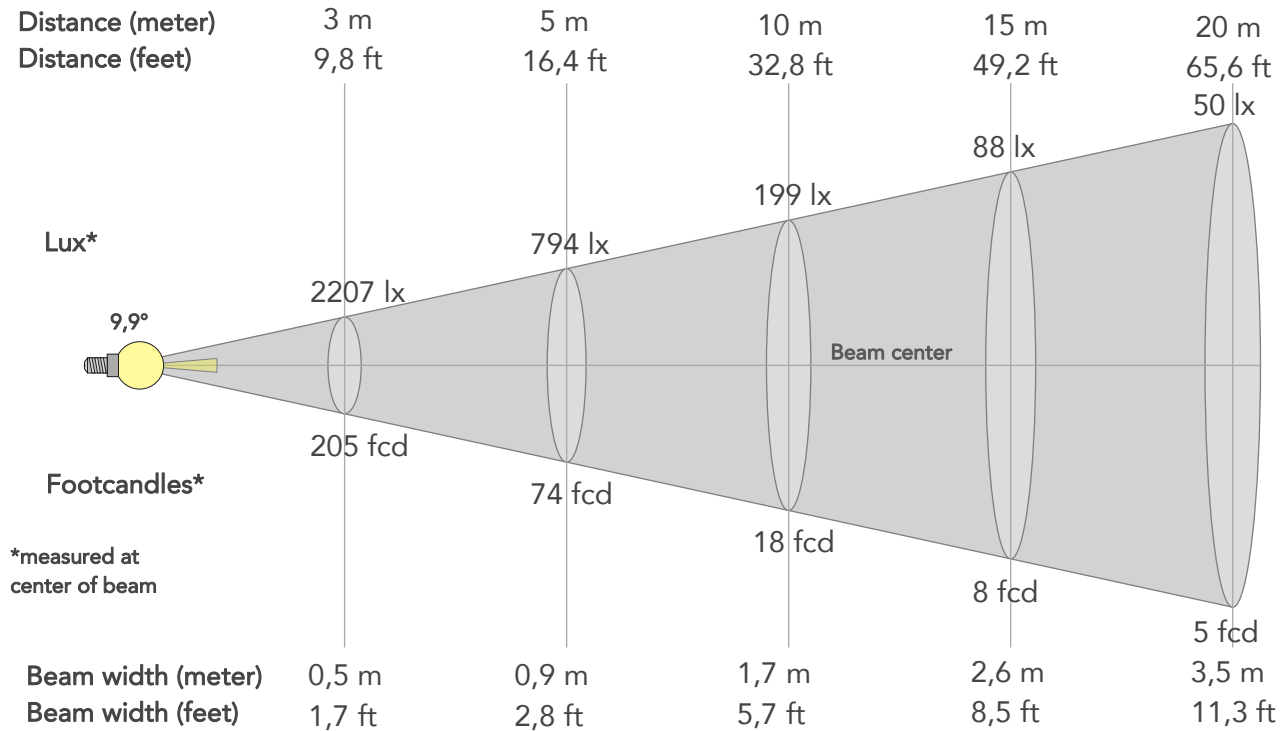
Spectra



BEAM DETAILS



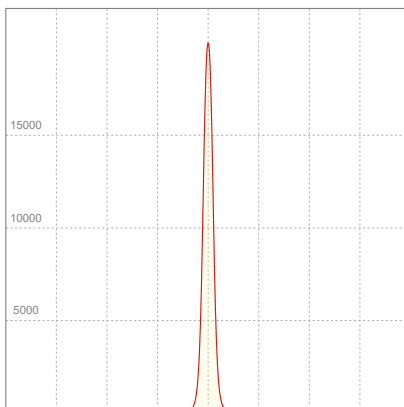
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,9°	18°	24,8°	99,7%	98,7%



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	19861lx	4965lx	2207lx	1241lx	794lx	353lx	199lx	88lx	50lx	32lx	22lx	12lx	8lx
Footcand.	1845fcd	461fcd	205fcd	115fcd	74fcd	33fcd	18fcd	8fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,5m	4,3m	5,2m	6,9m	8,6m
Beam wid.	0,6ft	1,1ft	1,7ft	2,3ft	2,8ft	4,3ft	5,7ft	8,5ft	11,3ft	14,2ft	17ft	22,7ft	28,3ft

LINEAR DISTRIBUTION DIAGRAM

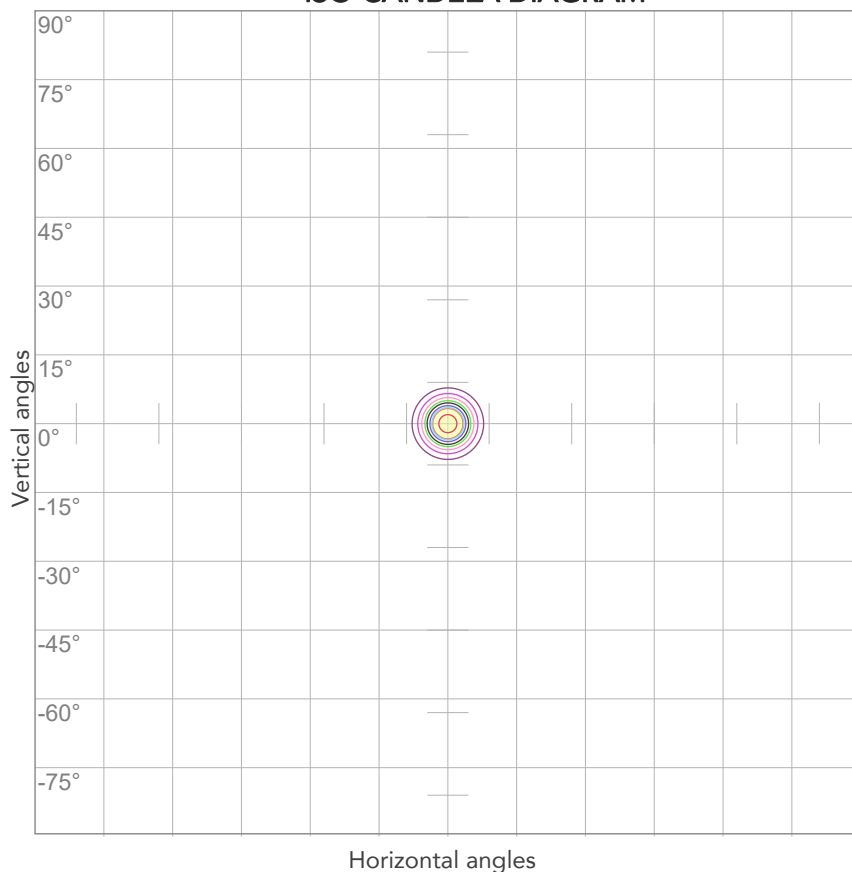


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,486A	94,3W	0,85	8lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



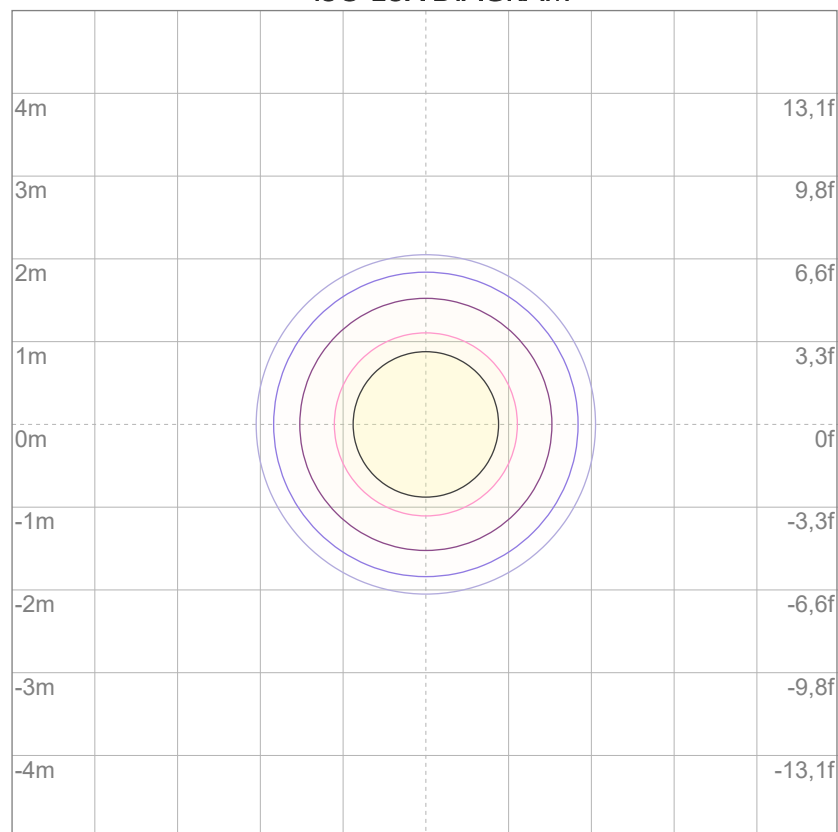
10%	1986 cd
20%	3972 cd
30%	5958 cd
40%	7945 cd
50%	9931 cd
60%	11917 cd
70%	13903 cd
80%	15889 cd

Conditions:

Number of c-planes: 2

Candela at center: 19861 cd

ISO LUX DIAGRAM



3%	5,96 lx
5%	9,93 lx
10%	19,9 lx
30%	59,6 lx
50%	99,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 199 lx

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



Total lumen output:

2612 lm

Peak candela output:

3248 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

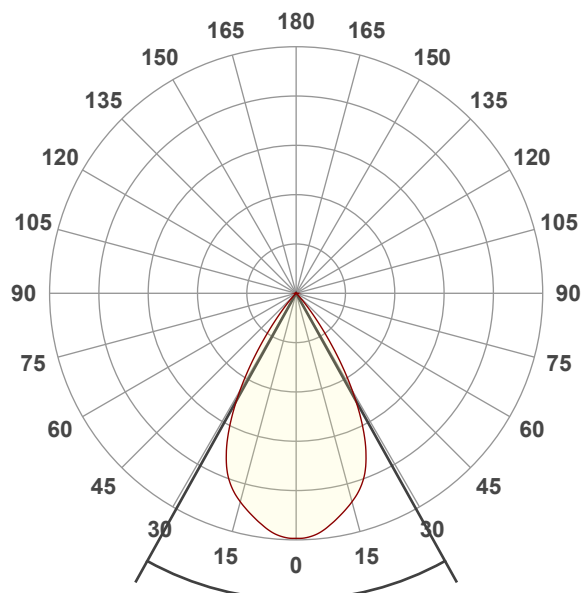
Green - HQ - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 16:04:20

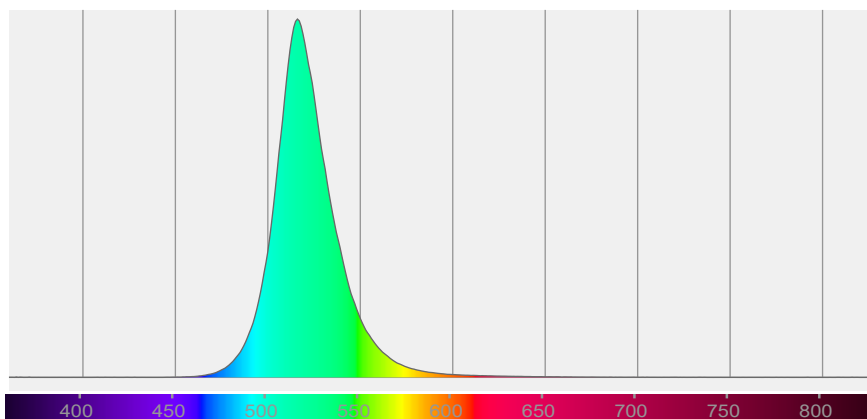


Beam angle 50%: 58,2°

Field angle 10%: 77,6°

Cut off angle 2.5%: 86°

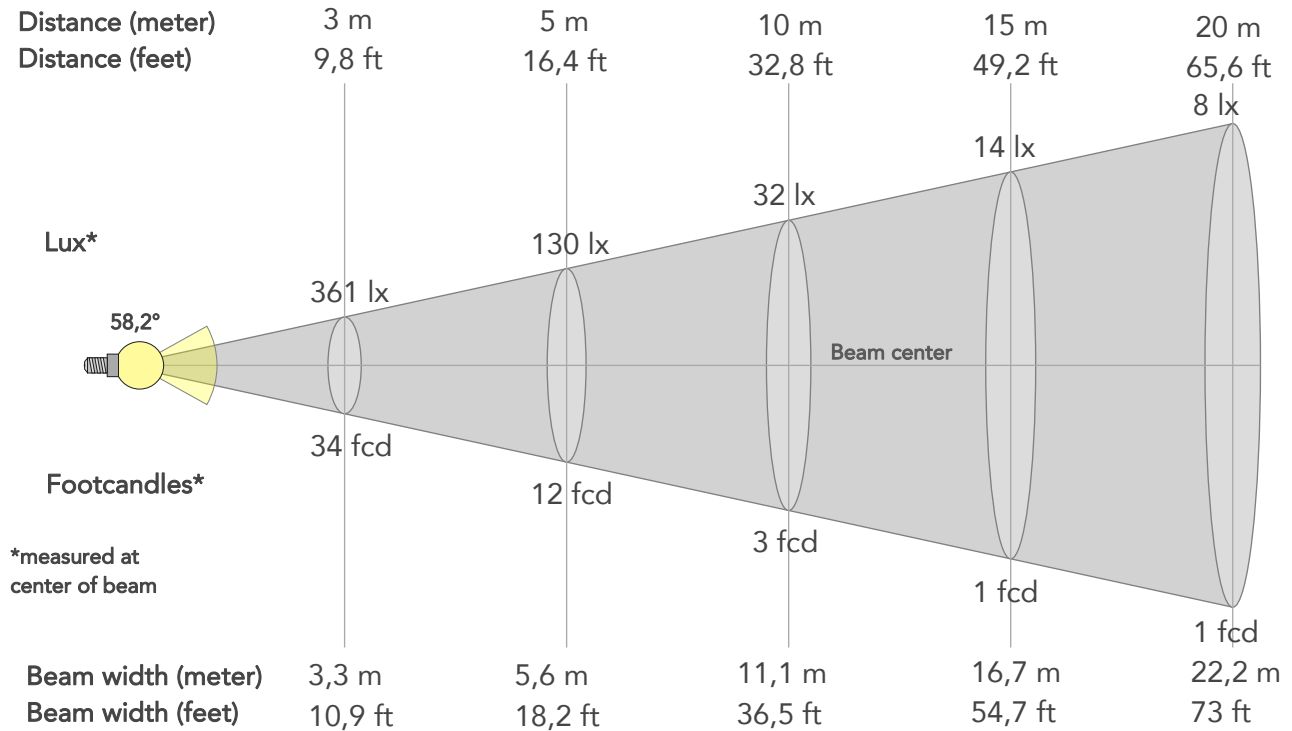
Spectra



BEAM DETAILS



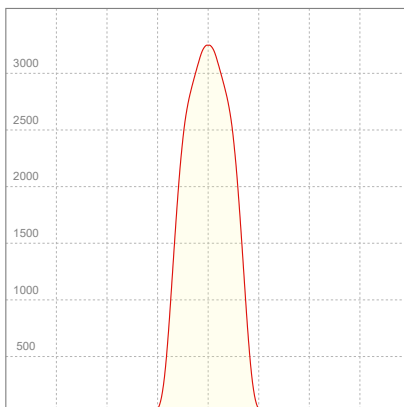
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,2°	77,6°	86°	99,7%	99,2%



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	3248lx	812lx	361lx	203lx	130lx	58lx	32lx	14lx	8lx	5lx	4lx	2lx	1lx
Footcand.	302fcd	75fcd	34fcd	19fcd	12fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,6m	8,3m	11,1m	16,7m	22,2m	27,8m	33,4m	44,5m	55,6m
Beam wid.	3,7ft	7,3ft	10,9ft	14,6ft	18,2ft	27,4ft	36,5ft	54,7ft	73ft	91,2ft	109,4ft	145,9ft	182,4ft

LINEAR DISTRIBUTION DIAGRAM

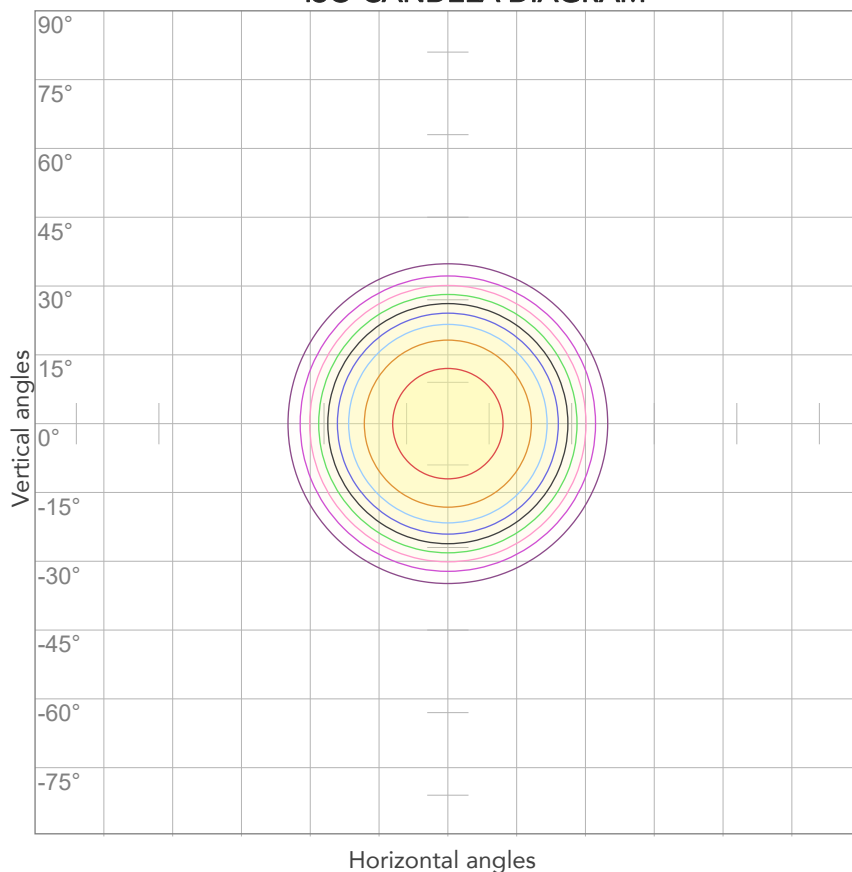


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,453A	84,5W	0,83	31lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



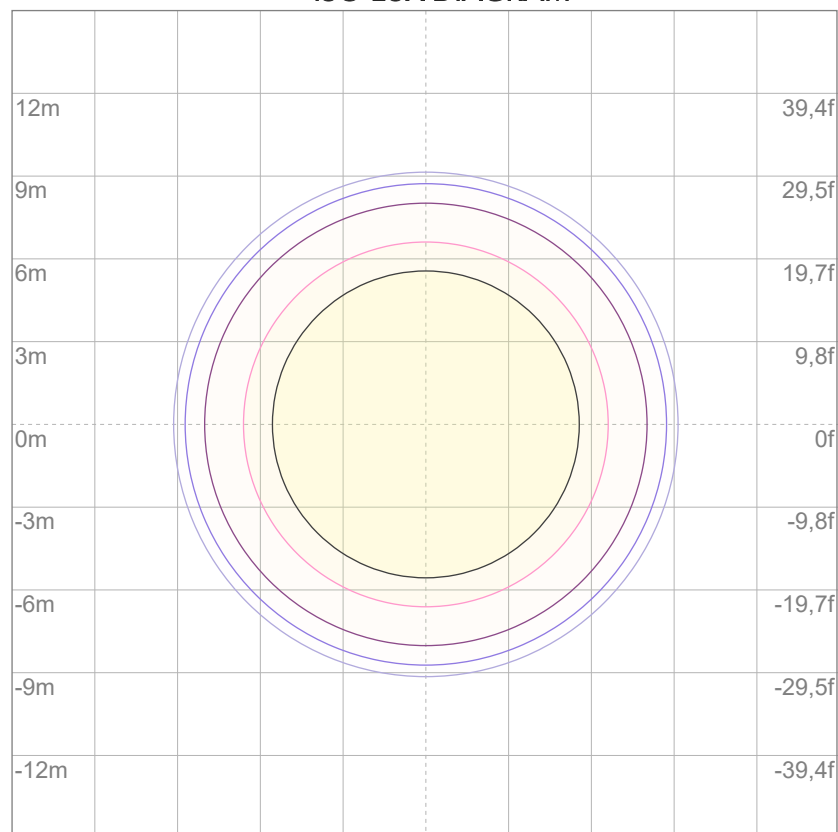
10%	325 cd
20%	650 cd
30%	974 cd
40%	1299 cd
50%	1624 cd
60%	1949 cd
70%	2274 cd
80%	2598 cd

Conditions:

Number of c-planes: 2

Candela at center: 3248 cd

ISO LUX DIAGRAM



3%	0,974 lx
5%	1,62 lx
10%	3,25 lx
30%	9,74 lx
50%	16,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 32,5 lx

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



Total lumen output:

2175 lm

Peak candela output:

11153 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

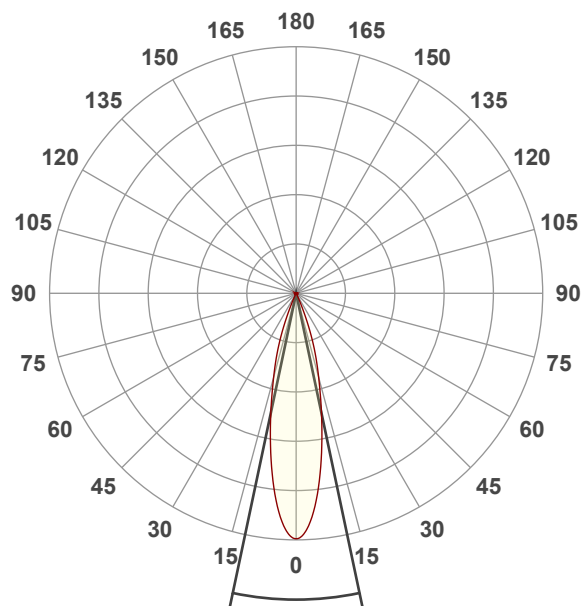
Green - HQ - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 15:53:06

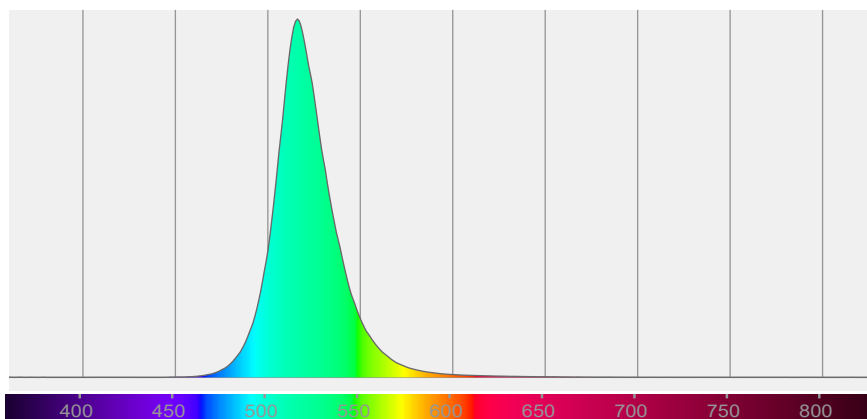


Beam angle 50%: 23,9°

Field angle 10%: 43,5°

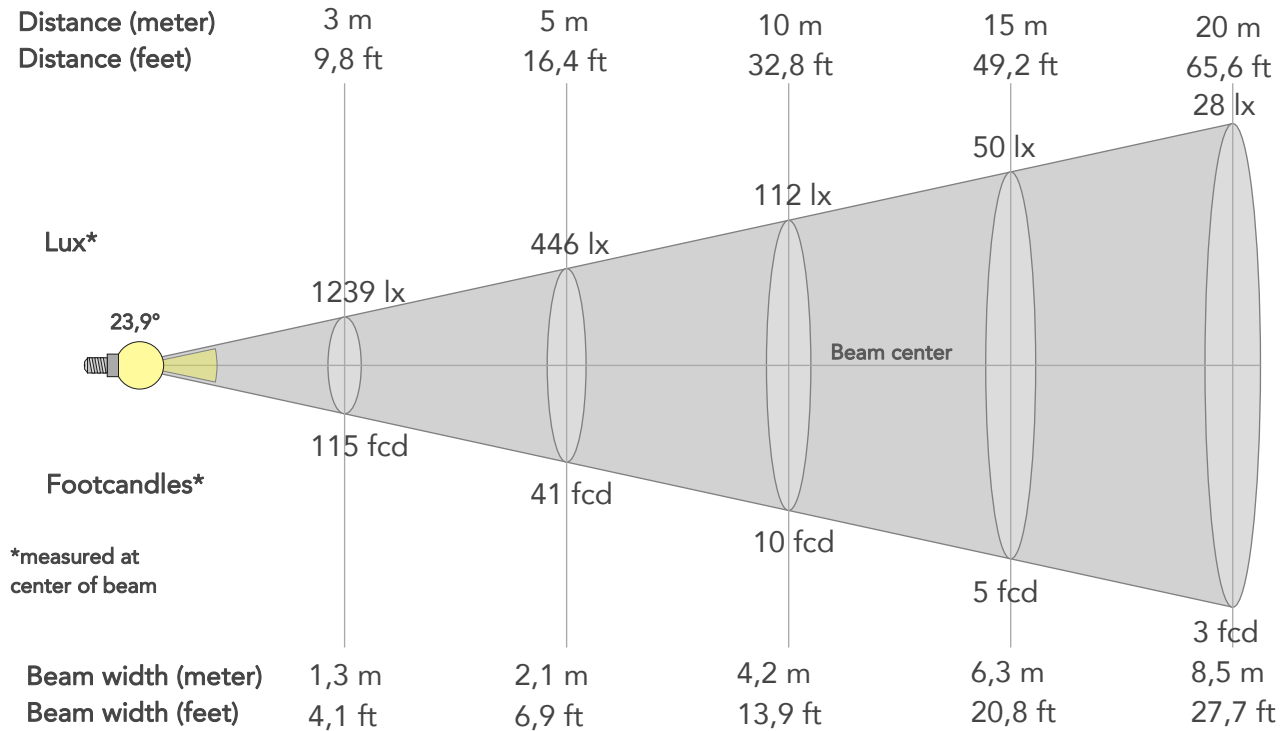
Cut off angle 2.5%: 49,9°

Spectra



BEAM DETAILS

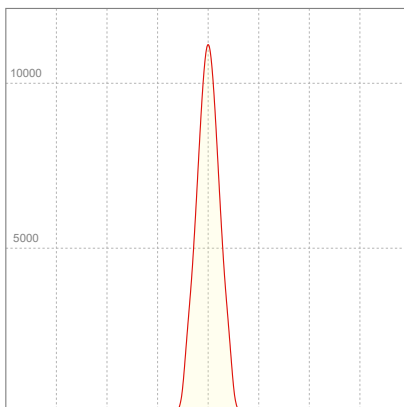
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,9°	43,5°	49,9°	99,6%	98,9%



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	11153lx	2788lx	1239lx	697lx	446lx	198lx	112lx	50lx	28lx	18lx	12lx	7lx	4lx
Footcand.	1036fcd	259fcd	115fcd	65fcd	41fcd	18fcd	10fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,4m	0,8m	1,3m	1,7m	2,1m	3,2m	4,2m	6,3m	8,5m	10,6m	12,7m	16,9m	21,1m
Beam wid.	1,4ft	2,8ft	4,1ft	5,5ft	6,9ft	10,4ft	13,9ft	20,8ft	27,7ft	34,7ft	41,6ft	55,5ft	69,4ft

LINEAR DISTRIBUTION DIAGRAM

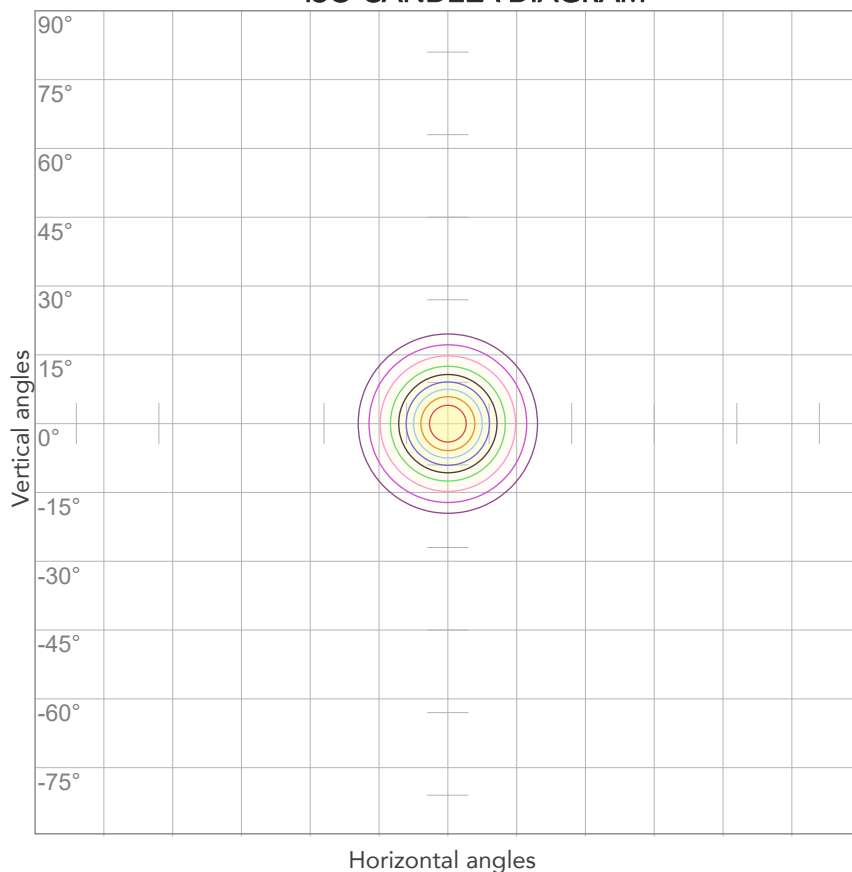


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,453A	84,6W	0,82	26lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



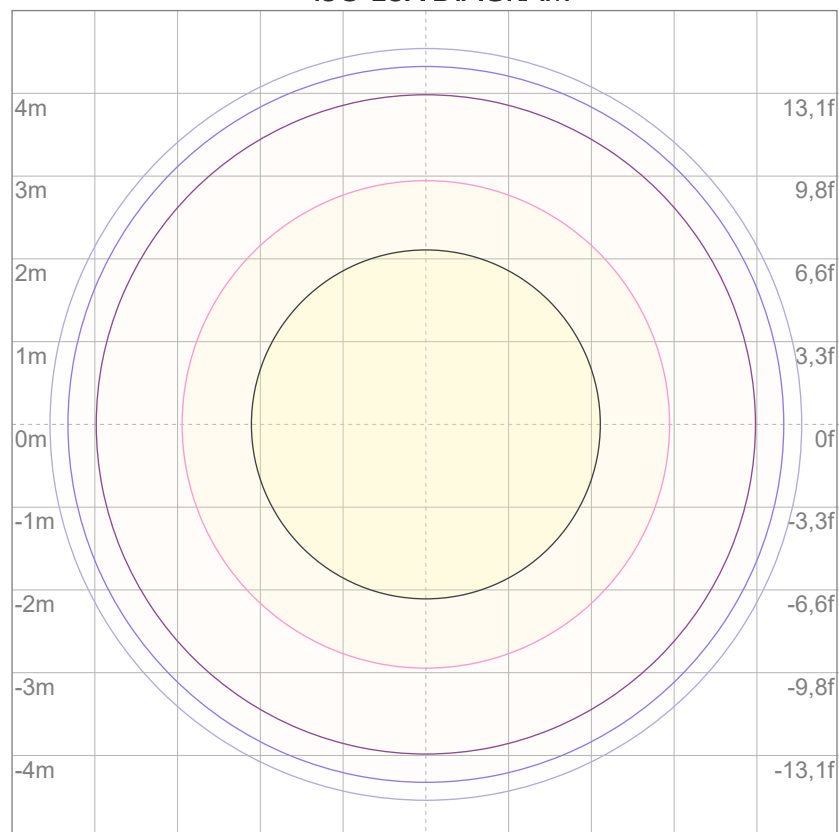
10%	1115 cd
20%	2231 cd
30%	3346 cd
40%	4461 cd
50%	5577 cd
60%	6692 cd
70%	7807 cd
80%	8923 cd

Conditions:

Number of c-planes: 2

Candela at center: 11153 cd

ISO LUX DIAGRAM



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

Conditions:

Number of c-planes: 2

Lux at center: 112 lx

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



Total lumen output:

1248 lm

Peak candela output:

31388 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

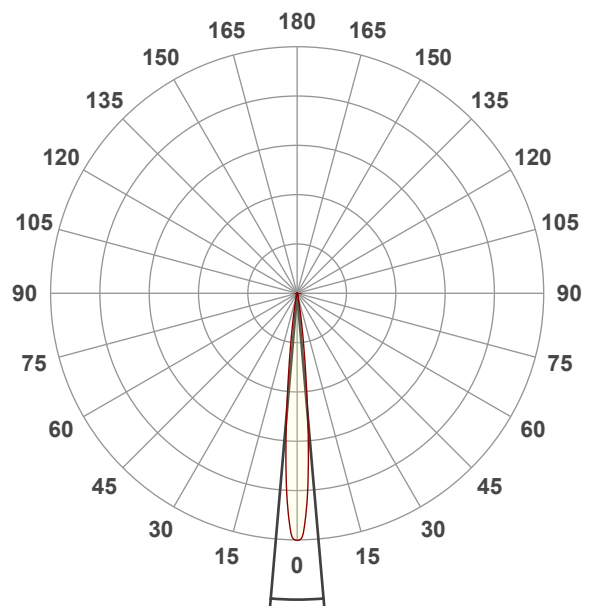
Green - HQ - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 17:14:52

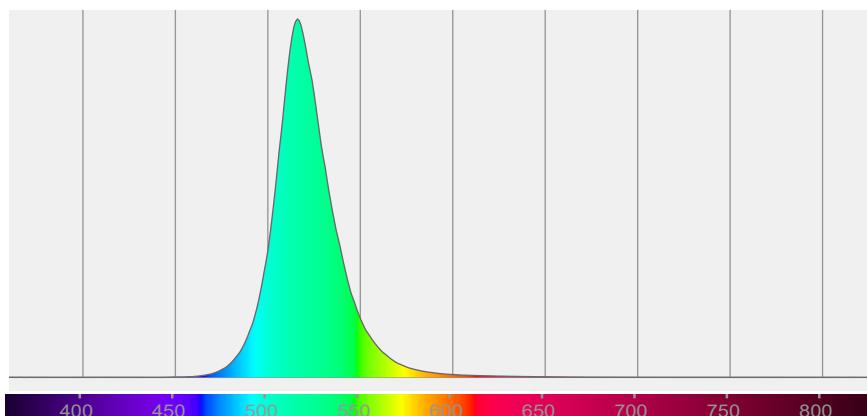


Beam angle 50%: 9,9°

Field angle 10%: 17,9°

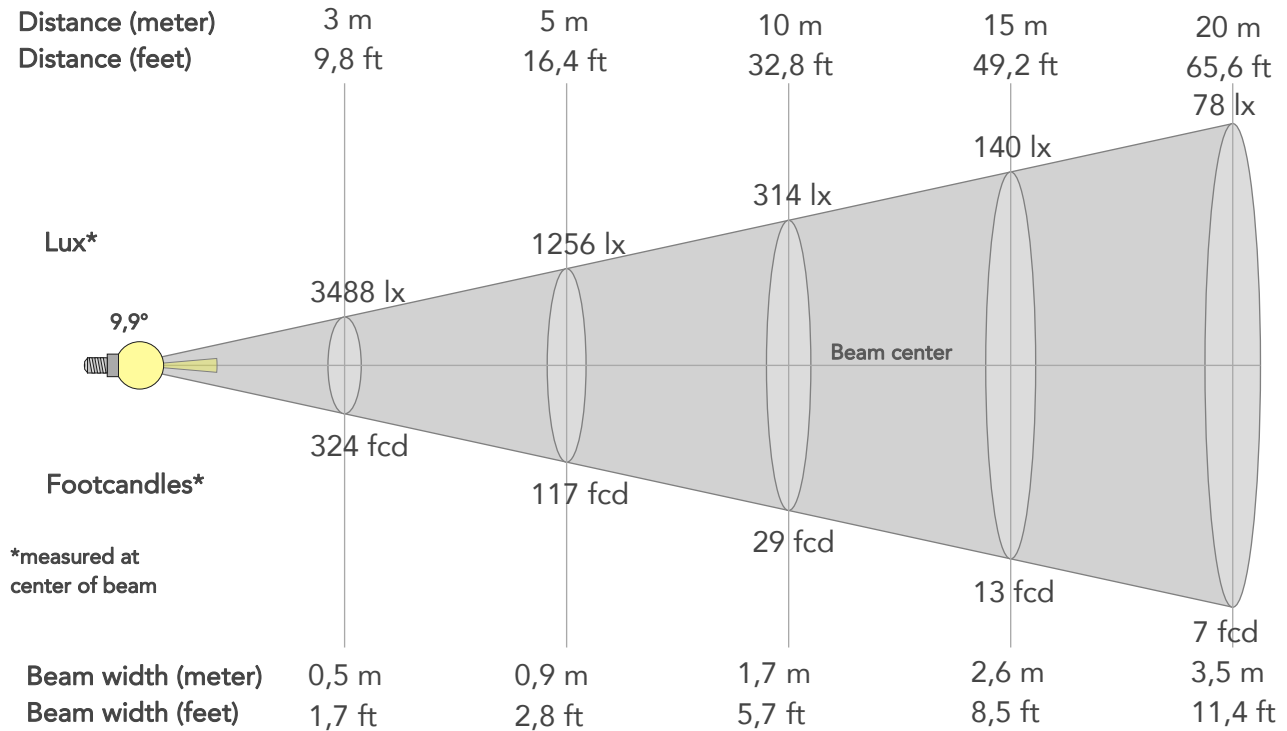
Cut off angle 2.5%: 25,1°

Spectra



BEAM DETAILS

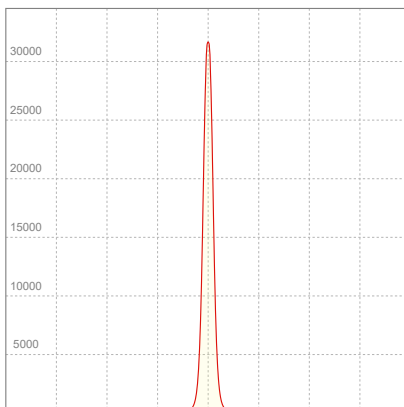
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,9°	17,9°	25,1°	99,3%	97,7%



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	31388lx	7847lx	3488lx	1962lx	1256lx	558lx	314lx	140lx	78lx	50lx	35lx	20lx	13lx
Footcand.	2916fcd	729fcd	324fcd	182fcd	117fcd	52fcd	29fcd	13fcd	7fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,5m	4,3m	5,2m	6,9m	8,7m
Beam wid.	0,6ft	1,1ft	1,7ft	2,3ft	2,8ft	4,3ft	5,7ft	8,5ft	11,4ft	14,2ft	17ft	22,7ft	28,4ft

LINEAR DISTRIBUTION DIAGRAM

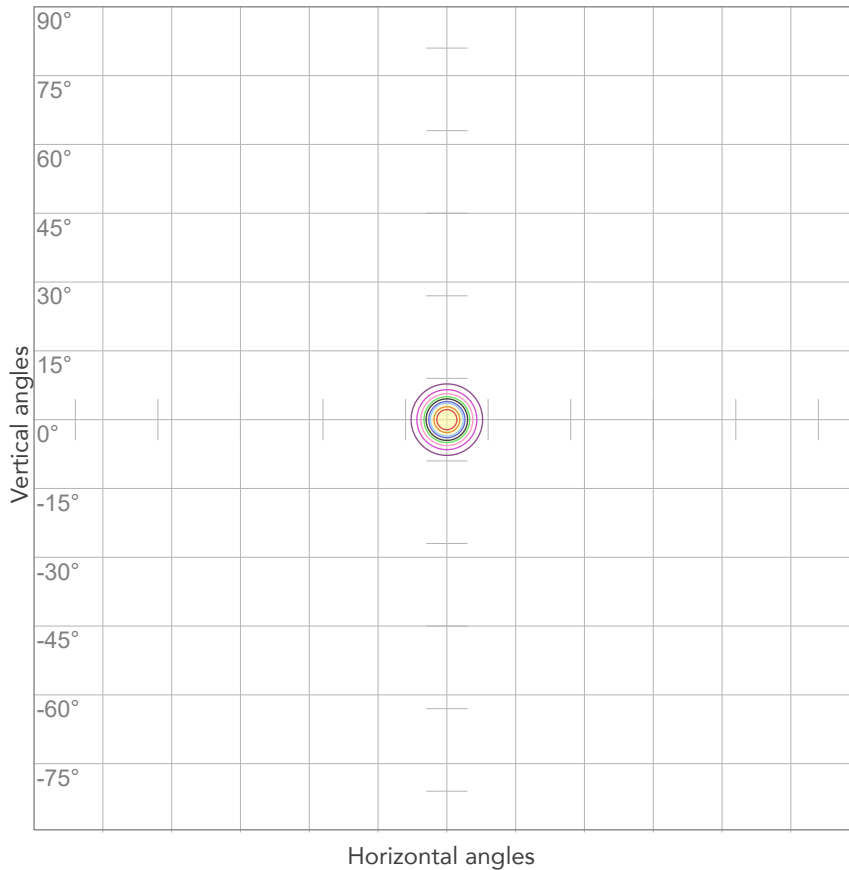


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,452A	84,1W	0,82	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



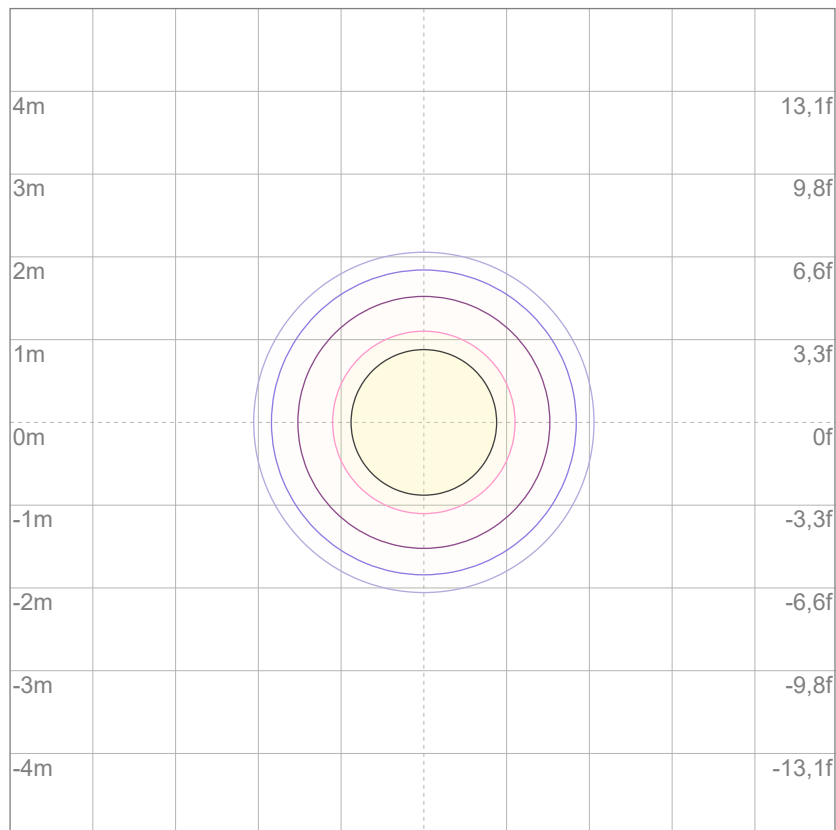
10%	3139 cd
20%	6278 cd
30%	9416 cd
40%	12555 cd
50%	15694 cd
60%	18833 cd
70%	21971 cd
80%	25110 cd

Conditions:

Number of c-planes: 2

Candela at center: 31388 cd

ISO LUX DIAGRAM



3%	9,42 lx
5%	15,7 lx
10%	31,4 lx
30%	94,2 lx
50%	157 lx

Conditions:

Number of c-planes: 2

Lux at center: 314 lx

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



Total lumen output:

489 lm

Peak candela output:

584 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

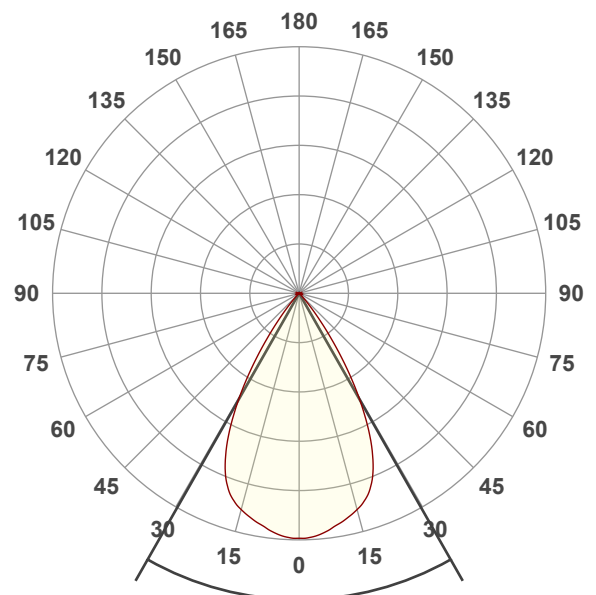
Blue - HQ - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 16:05:46

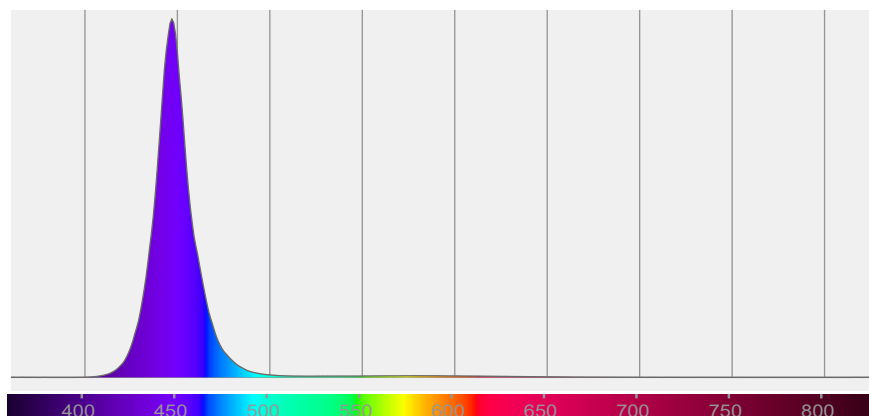


Beam angle 50%: 59,3°

Field angle 10%: 77,7°

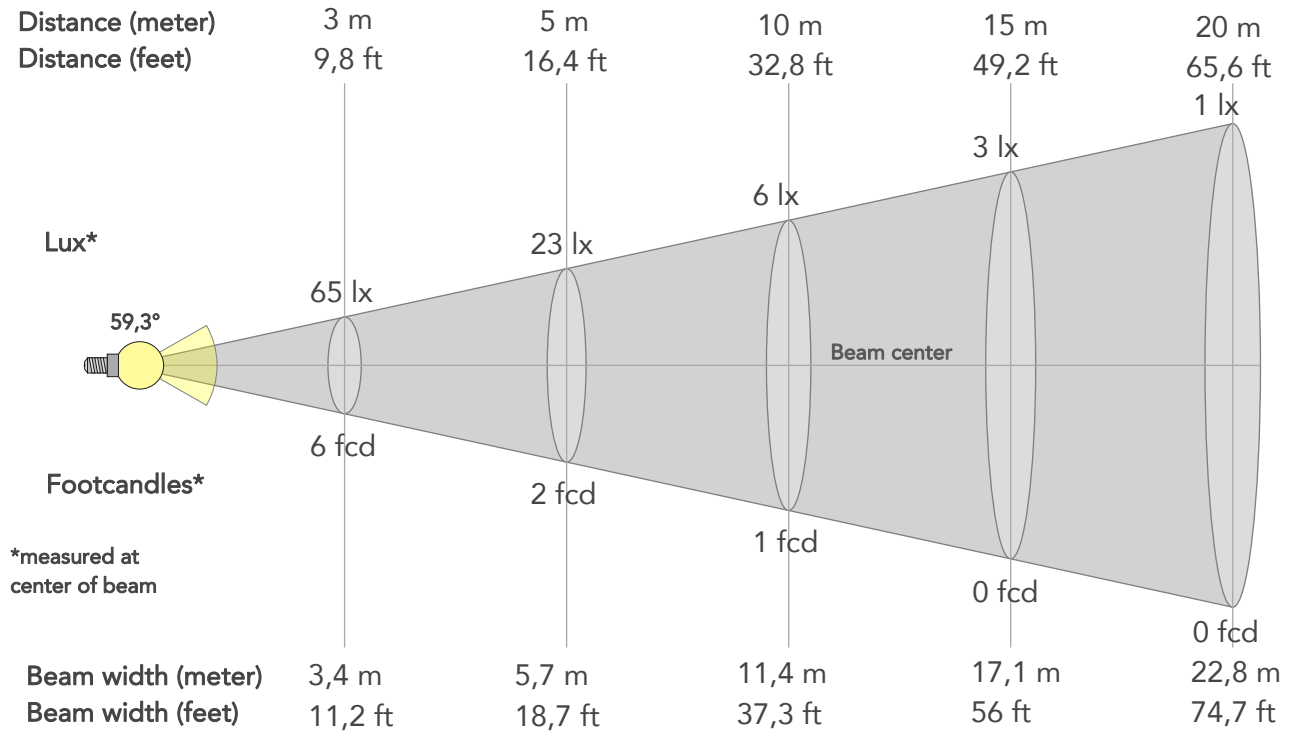
Cut off angle 2.5%: 85,8°

Spectra



BEAM DETAILS

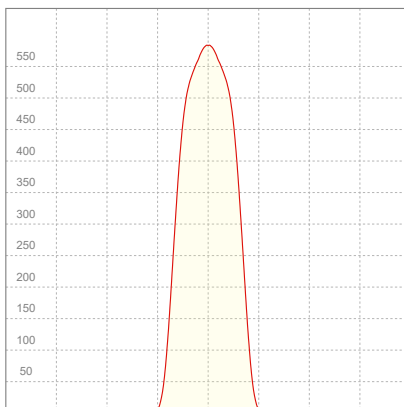
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
59,3°	77,7°	85,8°	99,6%	99,1%



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	584lx	146lx	65lx	36lx	23lx	10lx	6lx	3lx	1lx	1lx	1lx	0lx	0lx
Footcand.	54fcd	14fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,3m	3,4m	4,6m	5,7m	8,5m	11,4m	17,1m	22,8m	28,5m	34,1m	45,5m	56,9m
Beam wid.	3,8ft	7,5ft	11,2ft	14,9ft	18,7ft	28ft	37,3ft	56ft	74,7ft	93,3ft	112ft	149,3ft	186,7ft

LINEAR DISTRIBUTION DIAGRAM

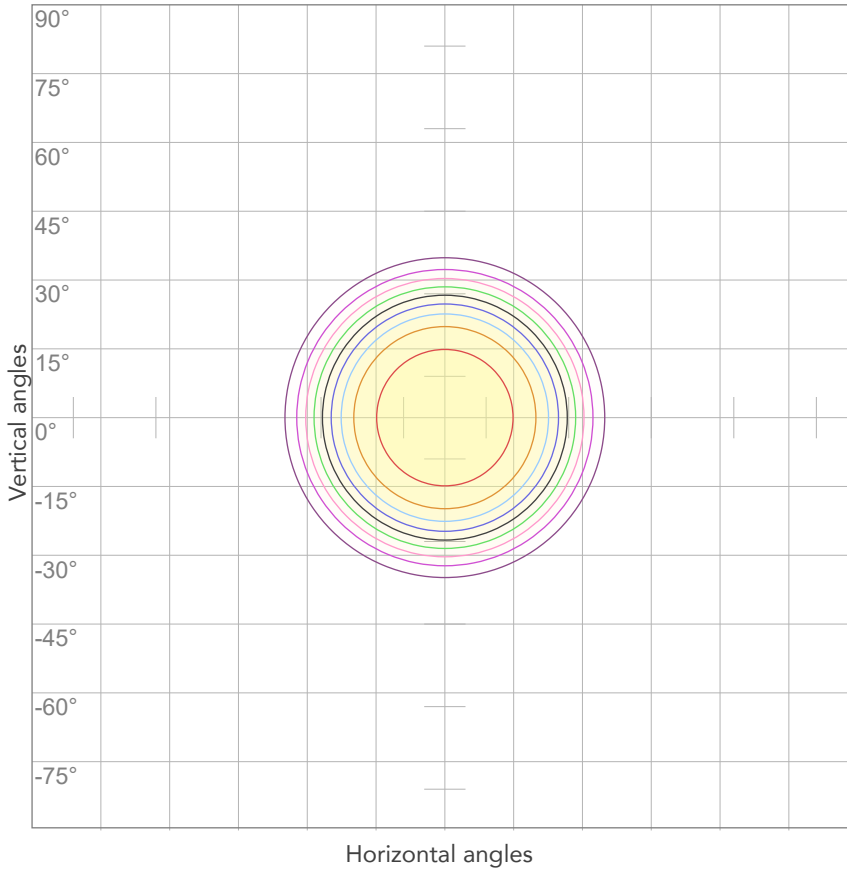


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,465A	88,5W	0,85	6lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



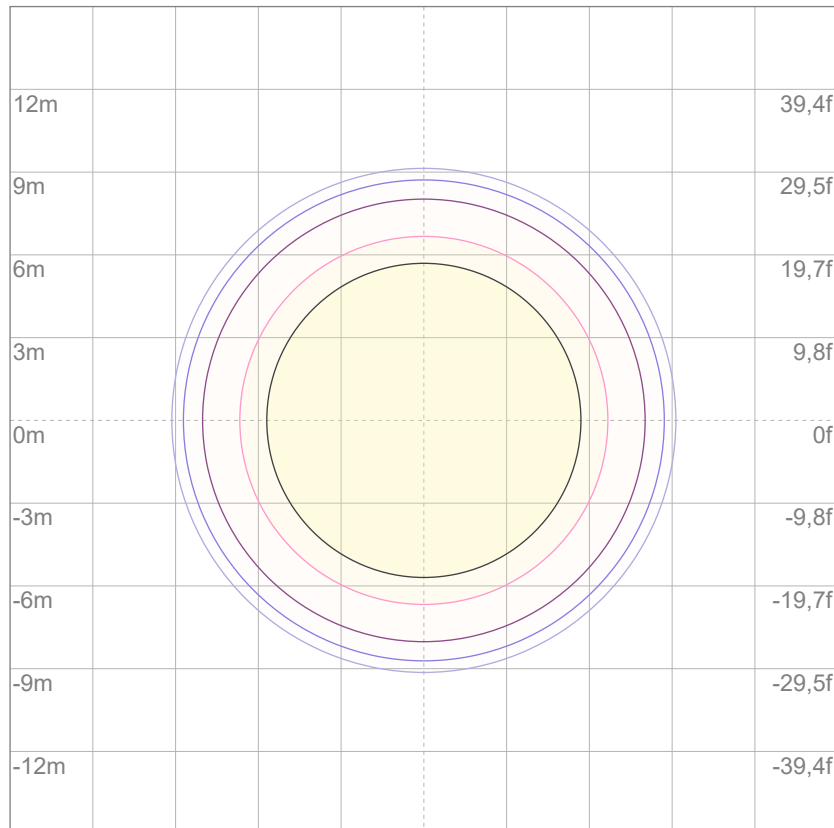
10%	58 cd
20%	117 cd
30%	175 cd
40%	233 cd
50%	292 cd
60%	350 cd
70%	408 cd
80%	467 cd

Conditions:

Number of c-planes: 2

Candela at center: 584 cd

ISO LUX DIAGRAM



3%	0,175 lx
5%	0,292 lx
10%	0,584 lx
30%	1,75 lx
50%	2,92 lx

Conditions:

Number of c-planes: 2

Lux at center: 5,84 lx

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



Total lumen output:

403 lm

Peak candela output:

2040 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

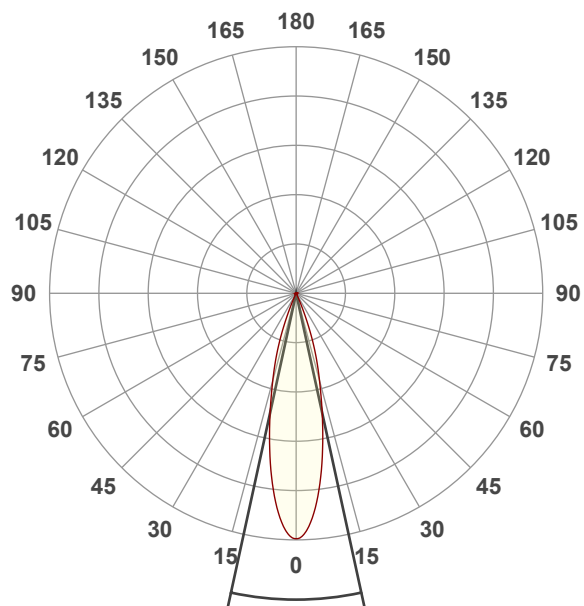
Blue - HQ - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 15:54:45

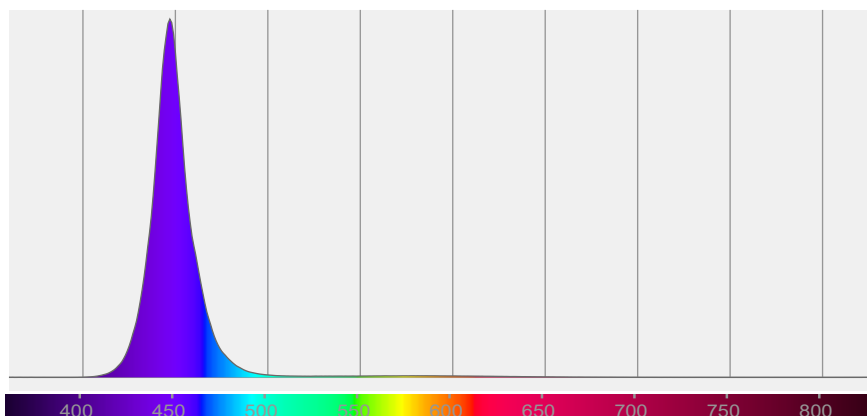


Beam angle 50%: 24,6°

Field angle 10%: 43,4°

Cut off angle 2.5%: 49,4°

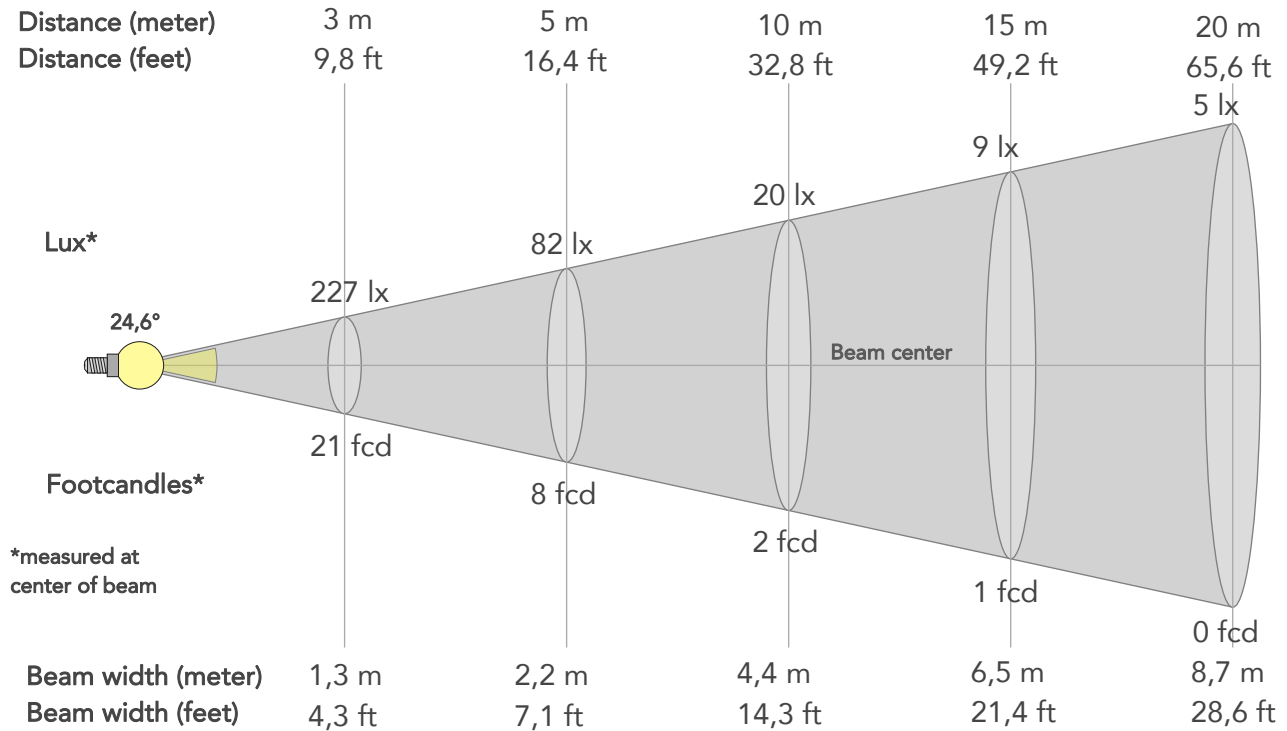
Spectra



BEAM DETAILS



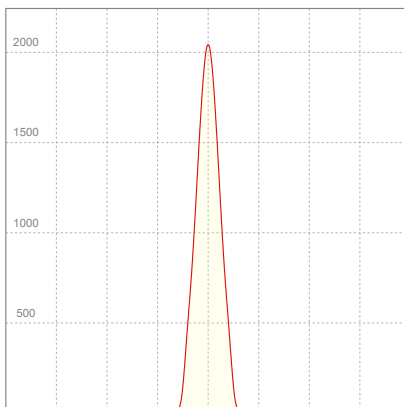
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24,6°	43,4°	49,4°	99,7%	99,2%



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	2040lx	510lx	227lx	127lx	82lx	36lx	20lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	189fcd	47fcd	21fcd	12fcd	8fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,9m	1,3m	1,7m	2,2m	3,3m	4,4m	6,5m	8,7m	10,9m	13,1m	17,4m	21,8m
Beam wid.	1,4ft	2,9ft	4,3ft	5,7ft	7,1ft	10,7ft	14,3ft	21,4ft	28,6ft	35,7ft	42,8ft	57,1ft	71,4ft

LINEAR DISTRIBUTION DIAGRAM

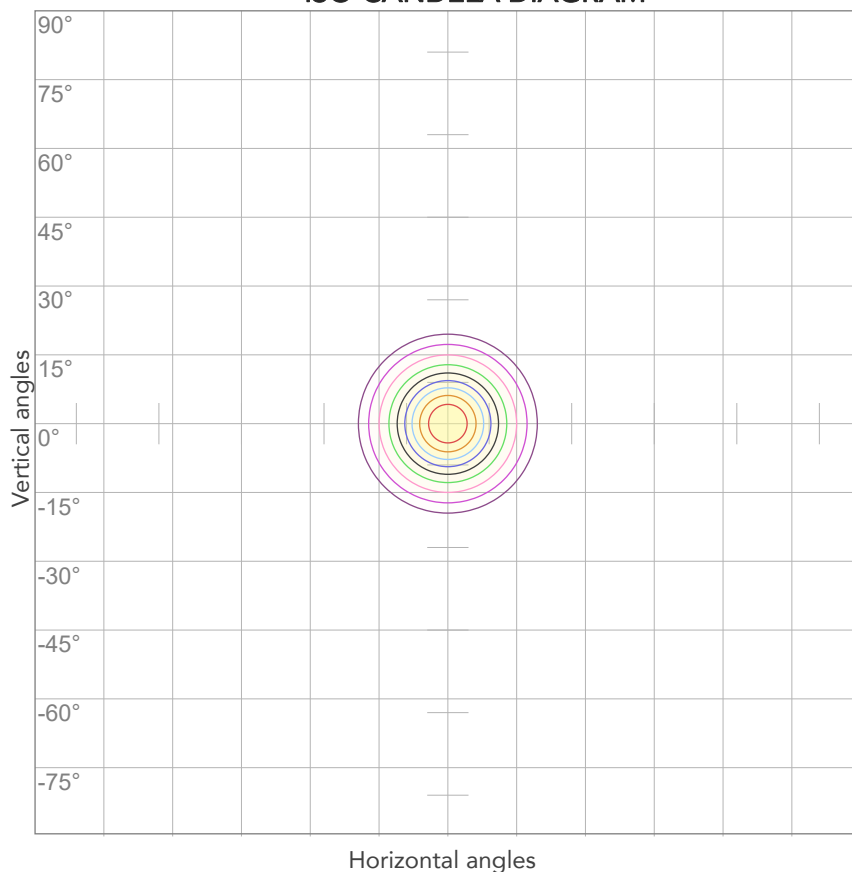


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
229V	0,462A	88,3W	0,84	5lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



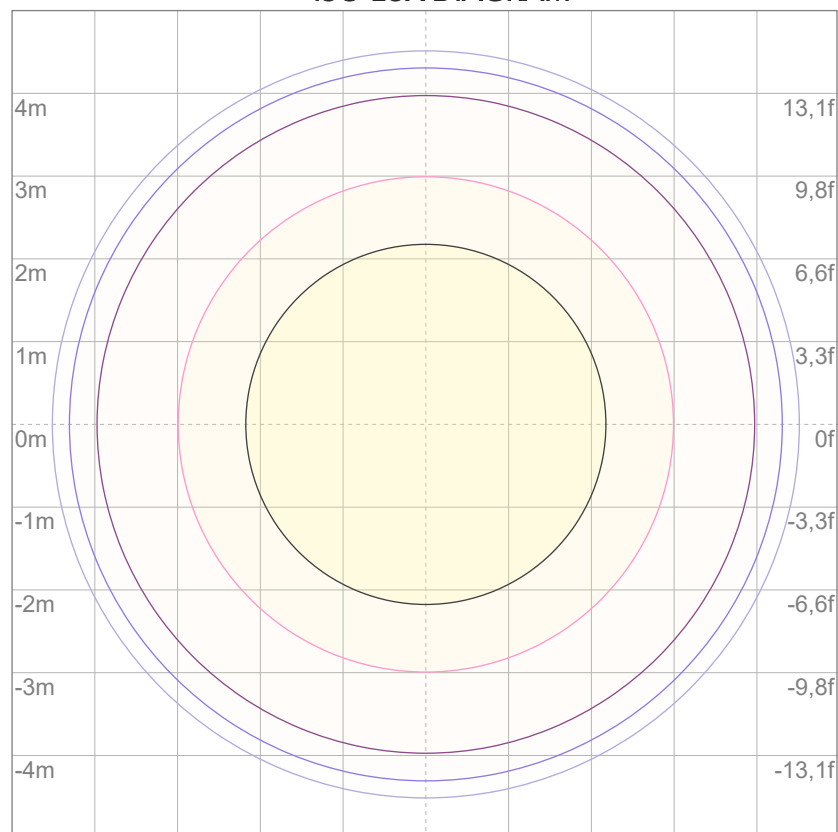
10%	204 cd
20%	408 cd
30%	612 cd
40%	816 cd
50%	1020 cd
60%	1224 cd
70%	1428 cd
80%	1632 cd

Conditions:

Number of c-planes: 2

Candela at center: 2040 cd

ISO LUX DIAGRAM



3%	0,612 lx
5%	1,02 lx
10%	2,04 lx
30%	6,12 lx
50%	10,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 20,4 lx

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



Total lumen output:

224 lm

Peak candela output:

5925 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

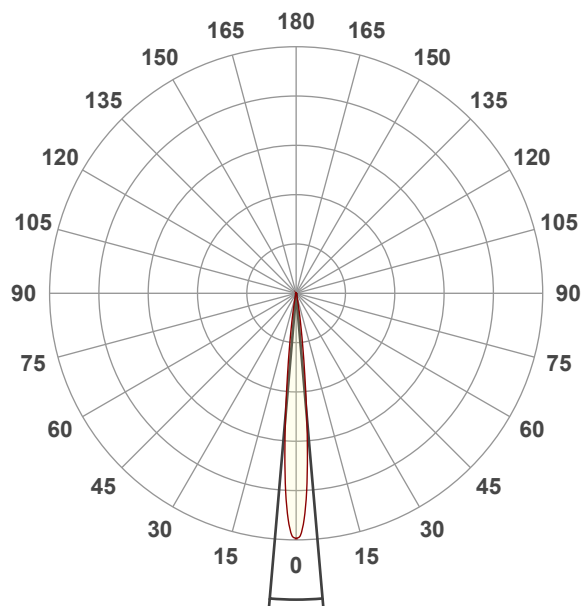
Blue - HQ - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 17:16:31

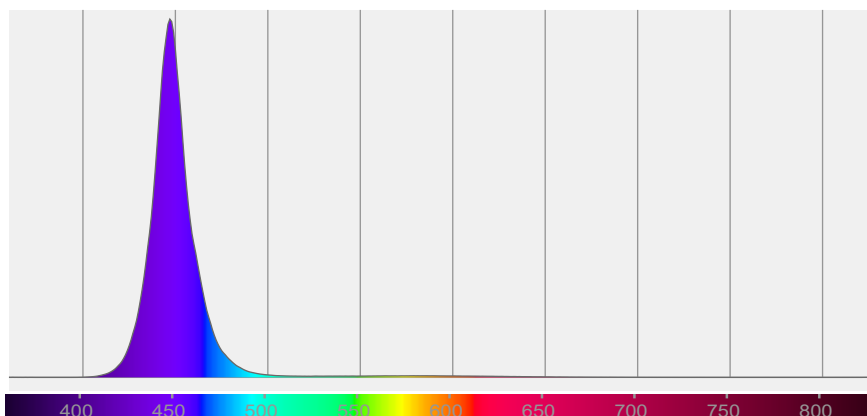


Beam angle 50%: 9,9°

Field angle 10%: 17,8°

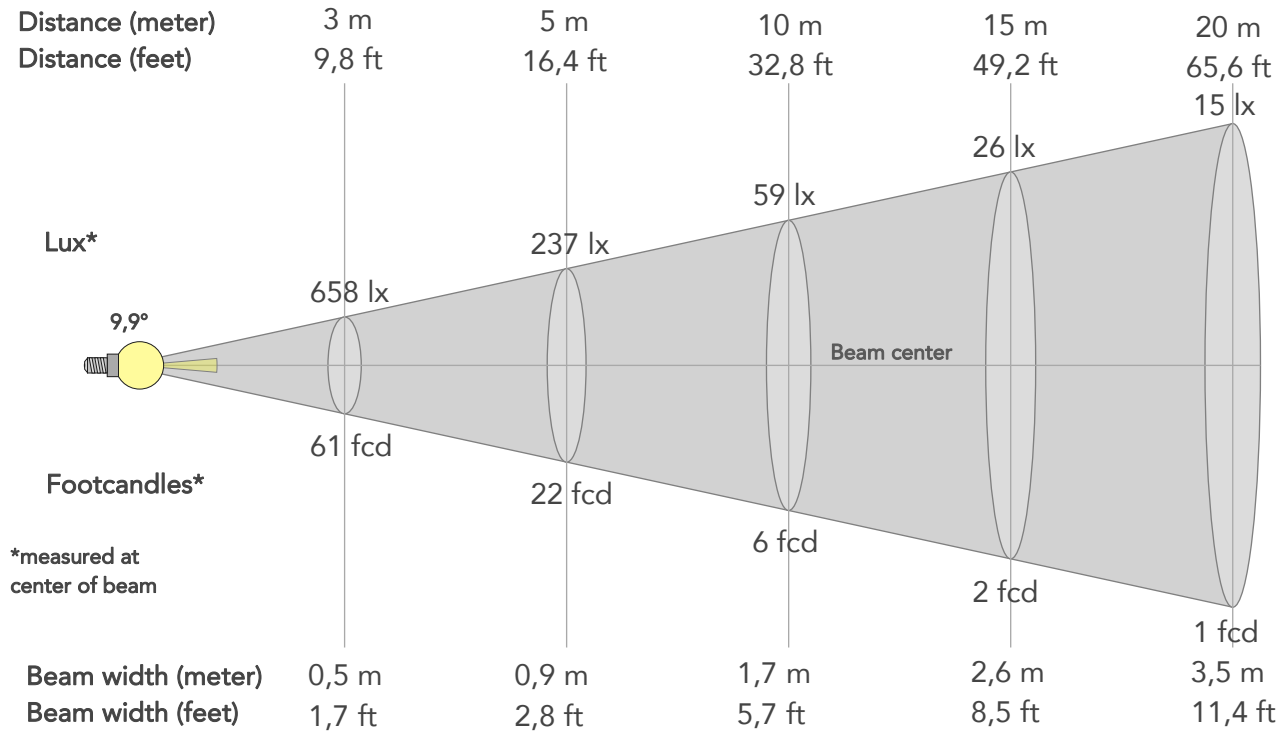
Cut off angle 2.5%: 24,4°

Spectra



BEAM DETAILS

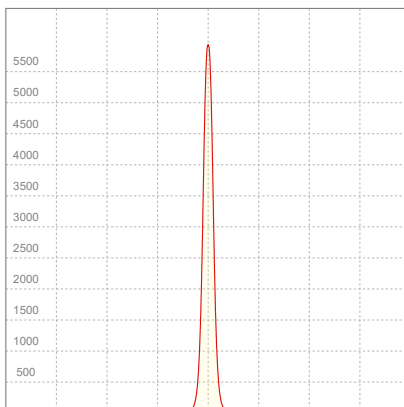
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,9°	17,8°	24,4°	99,4%	98,3%



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	5925lx	1481lx	658lx	370lx	237lx	105lx	59lx	26lx	15lx	9lx	7lx	4lx	2lx
Footcand.	550fcd	138fcd	61fcd	34fcd	22fcd	10fcd	6fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,5m	4,3m	5,2m	6,9m	8,7m
Beam wid.	0,6ft	1,1ft	1,7ft	2,3ft	2,8ft	4,3ft	5,7ft	8,5ft	11,4ft	14,2ft	17ft	22,7ft	28,4ft

LINEAR DISTRIBUTION DIAGRAM

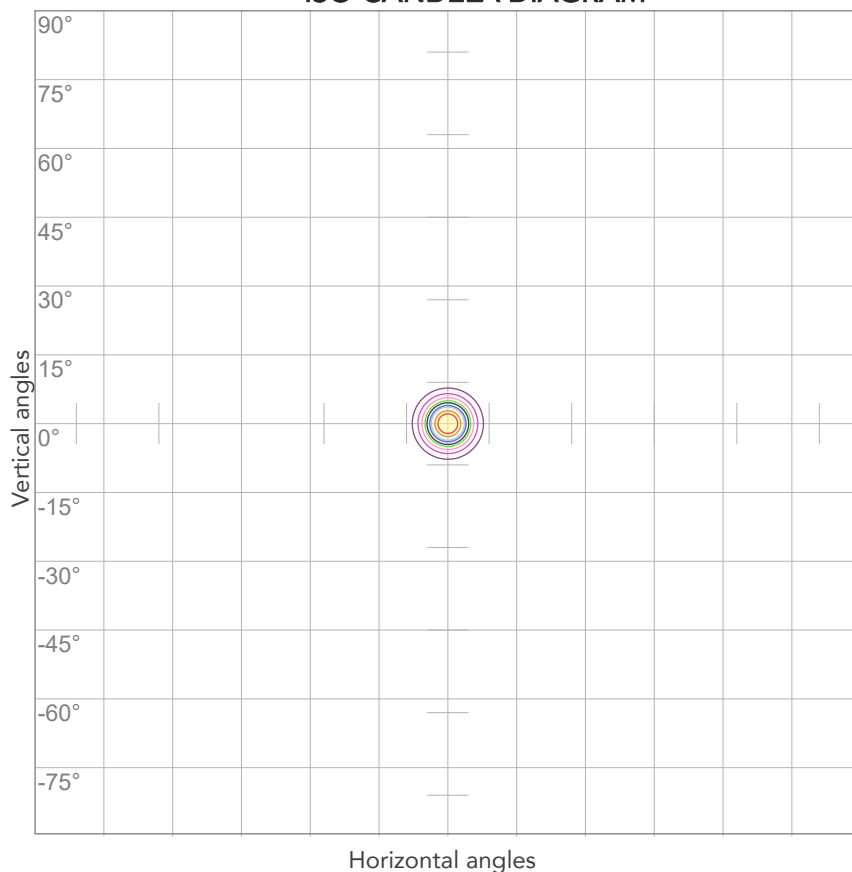


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,462A	87,8W	0,84	3lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



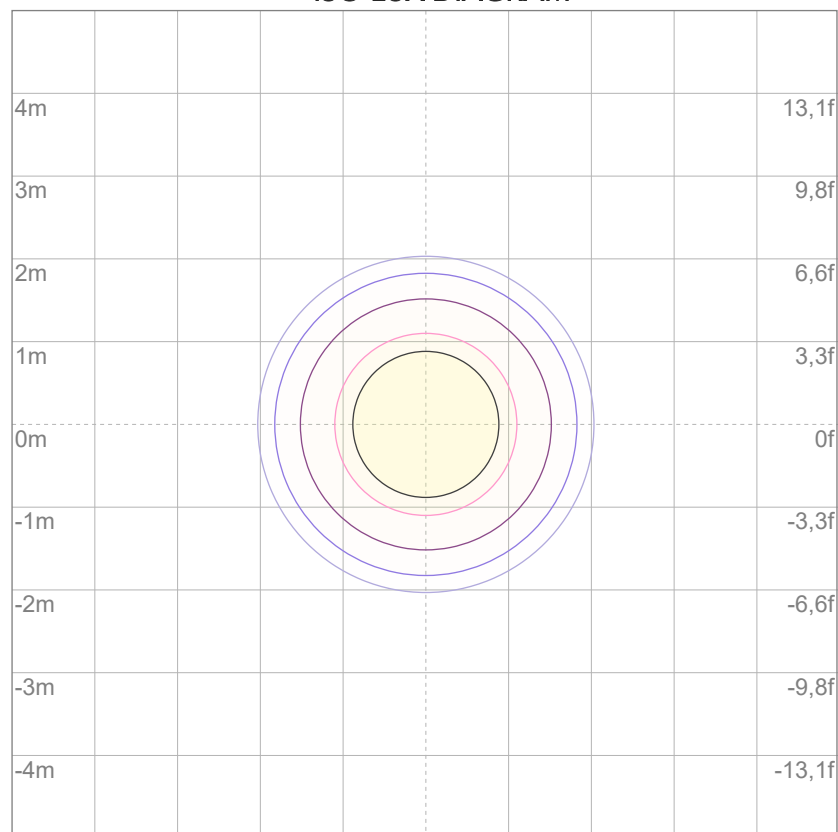
10%	593 cd
20%	1185 cd
30%	1778 cd
40%	2370 cd
50%	2963 cd
60%	3555 cd
70%	4148 cd
80%	4740 cd

Conditions:

Number of c-planes: 2

Candela at center: 5925 cd

ISO LUX DIAGRAM



3%	1,78 lx
5%	2,96 lx
10%	5,93 lx
30%	17,8 lx
50%	29,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 59,3 lx

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



Total lumen output:

548 lm

Peak candela output:

652 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

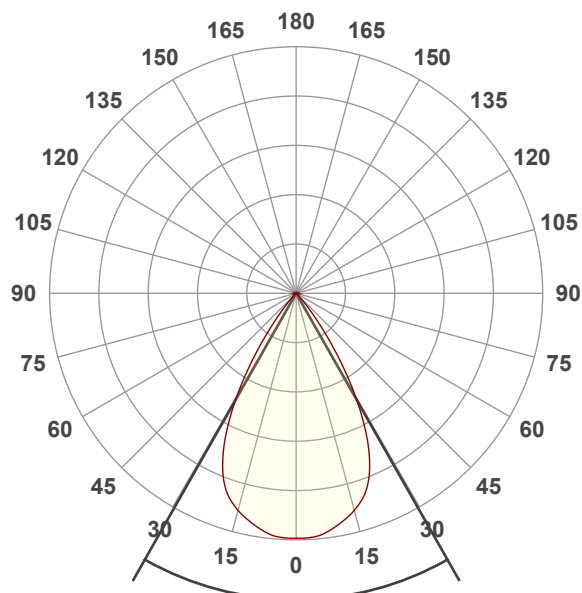
Cyan - HQ - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 16:07:11

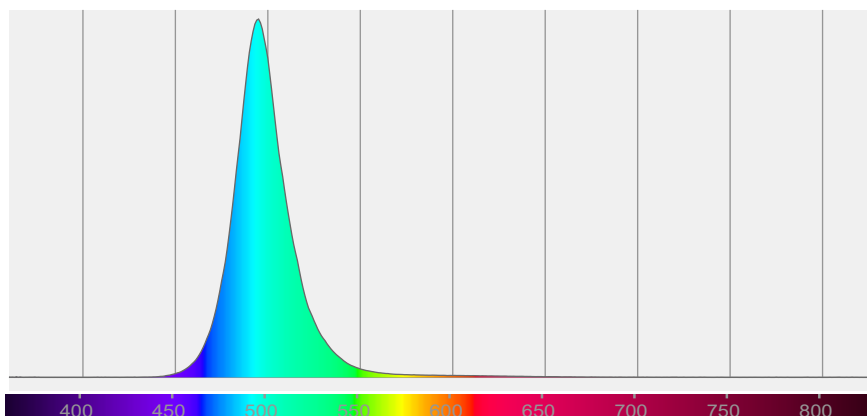


Beam angle 50%: 59,2°

Field angle 10%: 77,9°

Cut off angle 2.5%: 86,3°

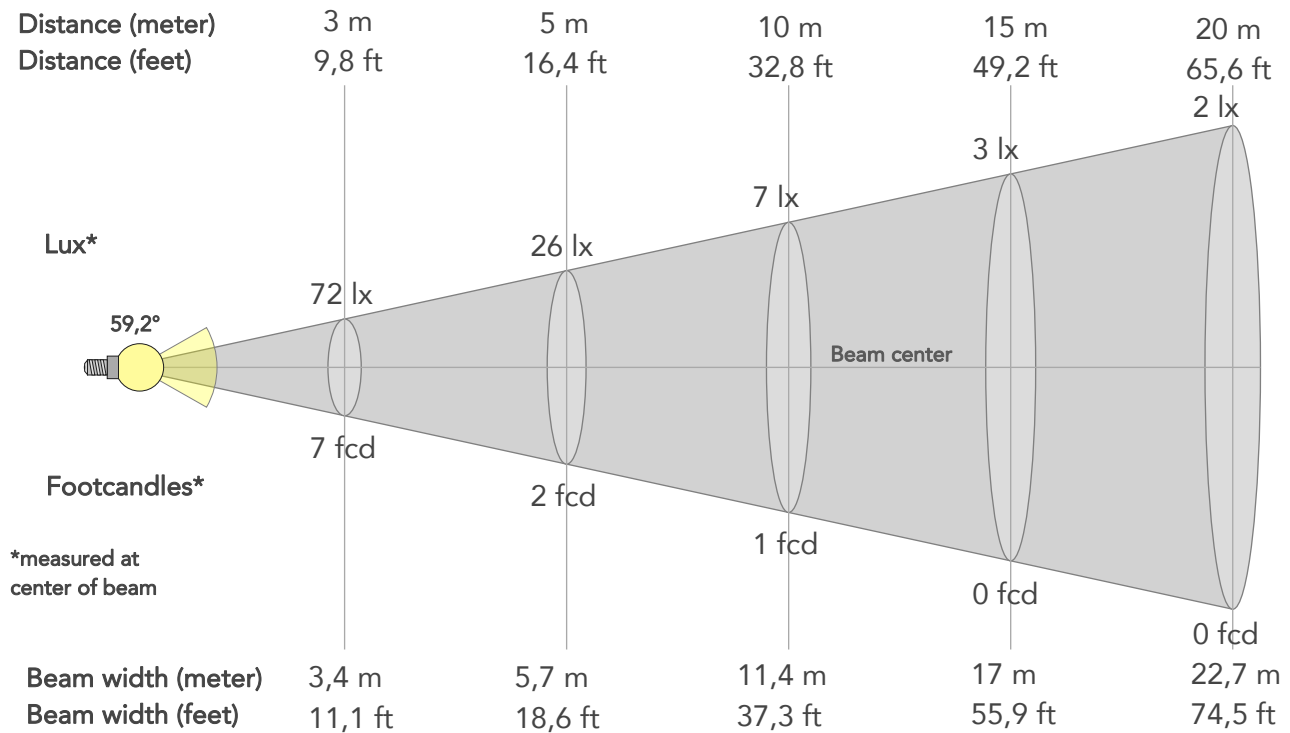
Spectra



BEAM DETAILS



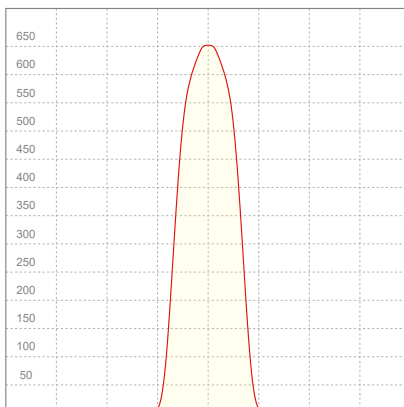
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
59,2°	77,9°	86,3°	99,6%	98,9%



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	652lx	163lx	72lx	41lx	26lx	12lx	7lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	61fcd	15fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,3m	3,4m	4,5m	5,7m	8,5m	11,4m	17m	22,7m	28,4m	34,1m	45,4m	56,8m
Beam wid.	3,7ft	7,5ft	11,1ft	14,9ft	18,6ft	27,9ft	37,3ft	55,9ft	74,5ft	93,2ft	111,8ft	149,1ft	186,3ft

LINEAR DISTRIBUTION DIAGRAM

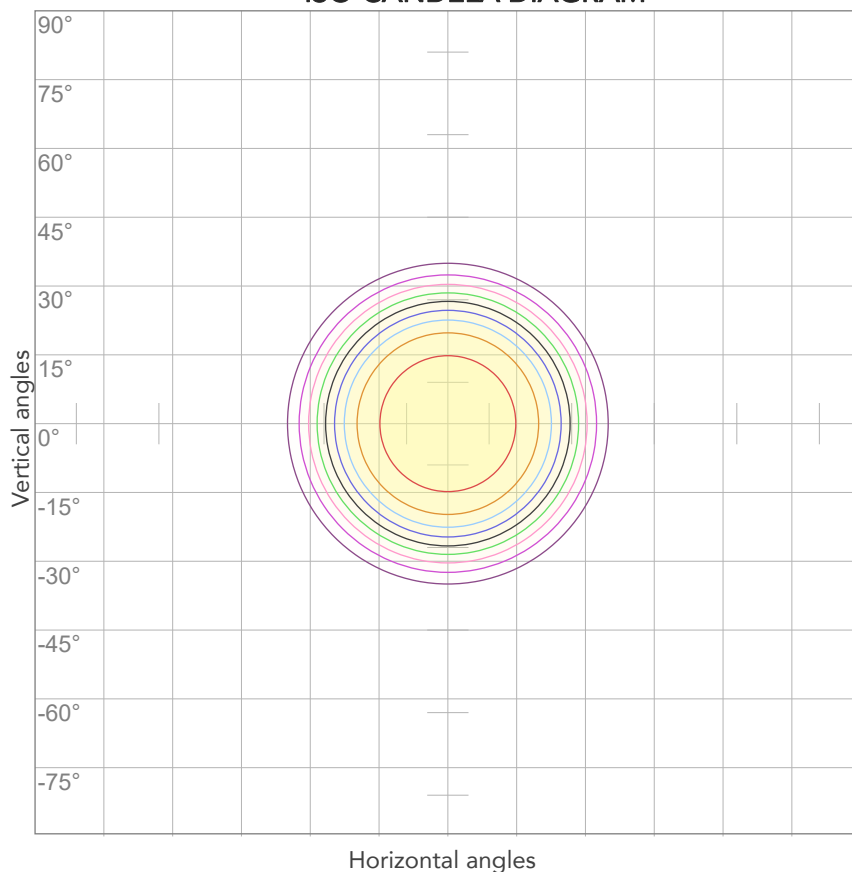


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,446A	37,4W	0,37	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



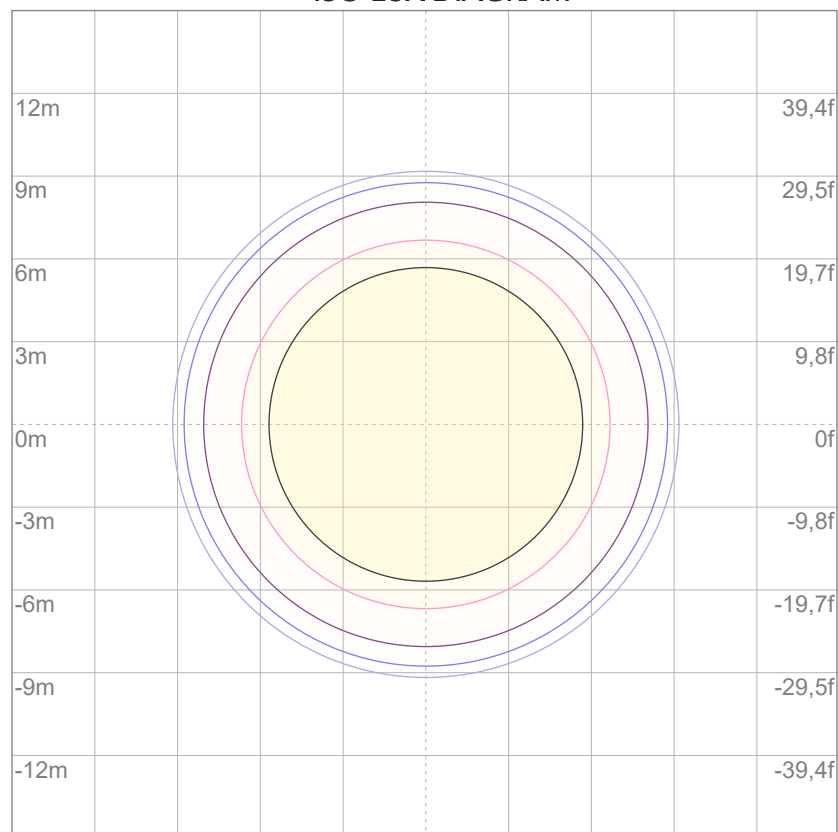
10%	65 cd
20%	130 cd
30%	196 cd
40%	261 cd
50%	326 cd
60%	391 cd
70%	456 cd
80%	522 cd

Conditions:

Number of c-planes: 2

Candela at center: 652 cd

ISO LUX DIAGRAM



3%	0,196 lx
5%	0,326 lx
10%	0,652 lx
30%	1,96 lx
50%	3,26 lx

Conditions:

Number of c-planes: 2

Lux at center: 6,52 lx

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



Total lumen output:

456 lm

Peak candela output:

2271 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

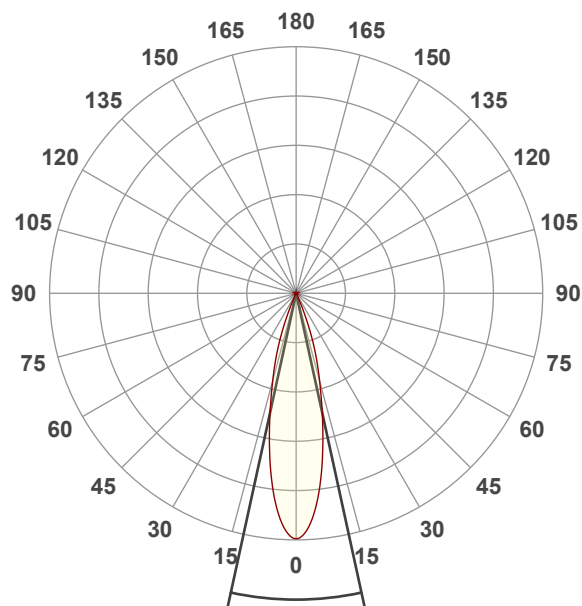
Cyan - HQ - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 15:56:29

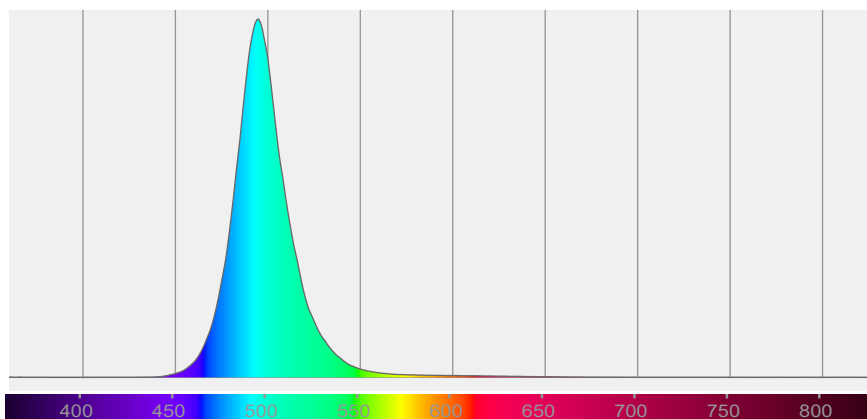


Beam angle 50%: 24,6°

Field angle 10%: 43,6°

Cut off angle 2.5%: 50°

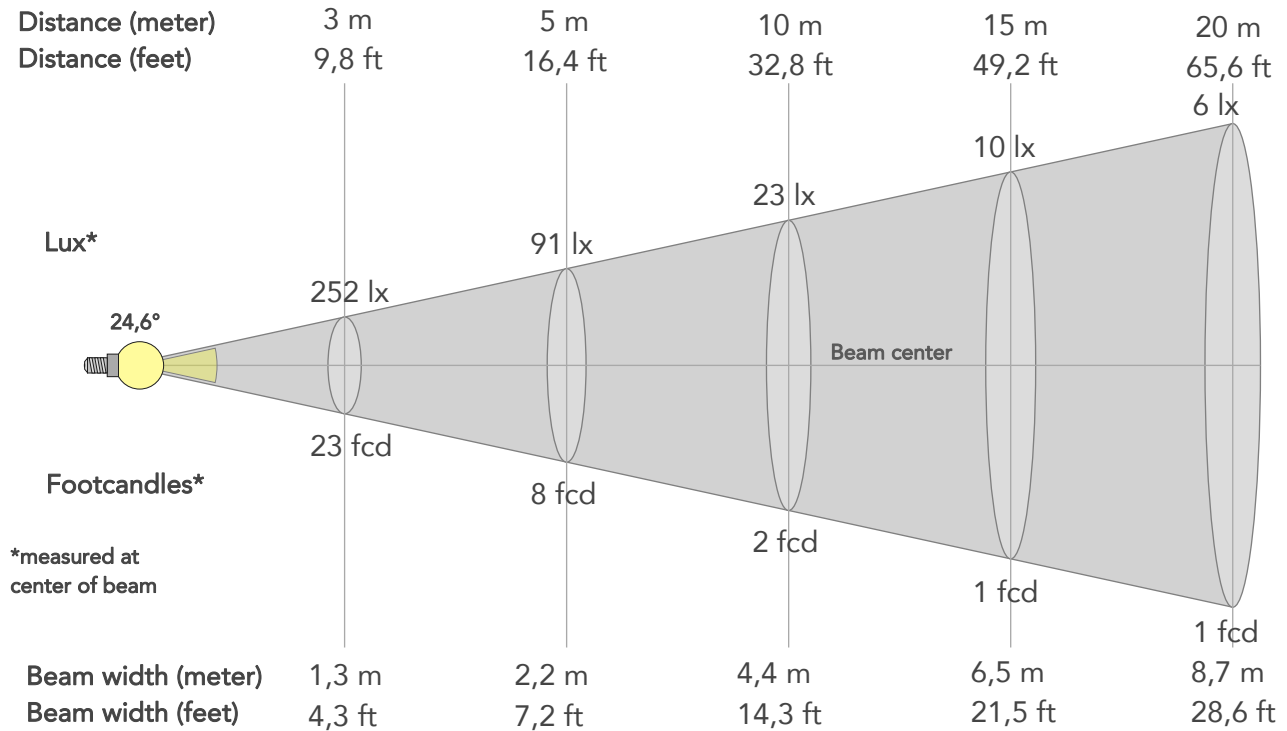
Spectra



BEAM DETAILS



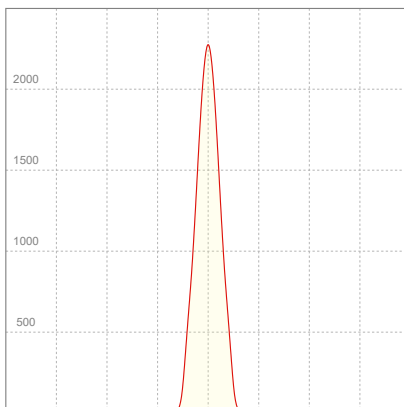
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24,6°	43,6°	50°	99,5%	98,8%



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	2271lx	568lx	252lx	142lx	91lx	40lx	23lx	10lx	6lx	4lx	3lx	1lx	1lx
Footcand.	211fcd	53fcd	23fcd	13fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,9m	1,3m	1,7m	2,2m	3,3m	4,4m	6,5m	8,7m	10,9m	13,1m	17,5m	21,8m
Beam wid.	1,4ft	2,9ft	4,3ft	5,7ft	7,2ft	10,7ft	14,3ft	21,5ft	28,6ft	35,8ft	43ft	57,3ft	71,6ft

LINEAR DISTRIBUTION DIAGRAM

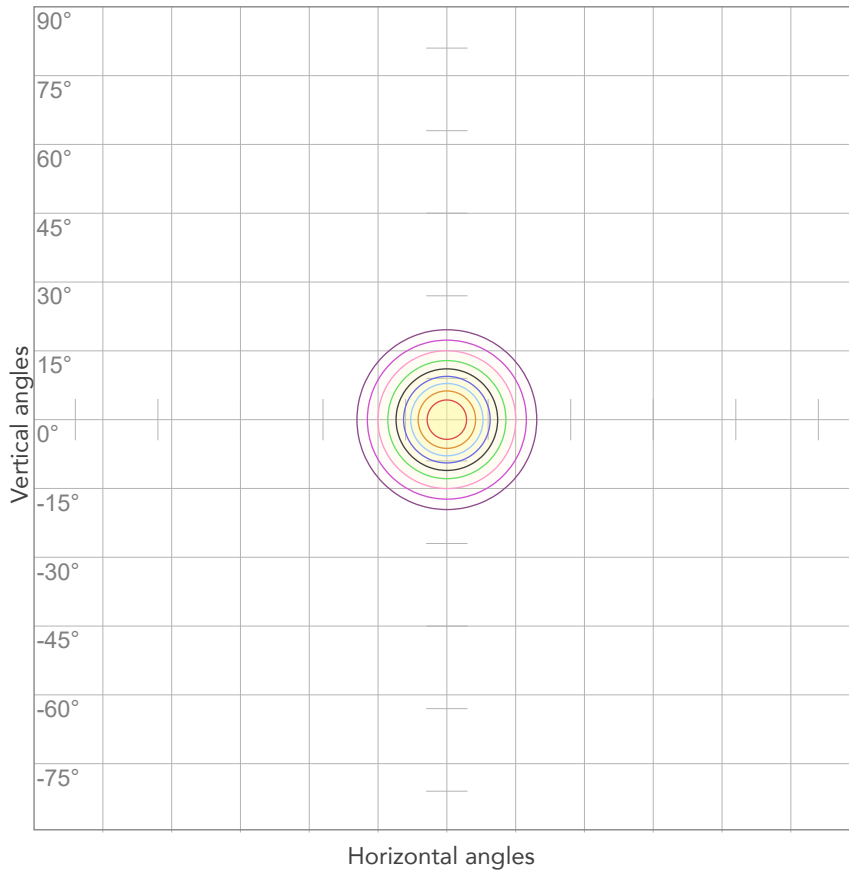


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
229V	0,446A	34,9W	0,34	13lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



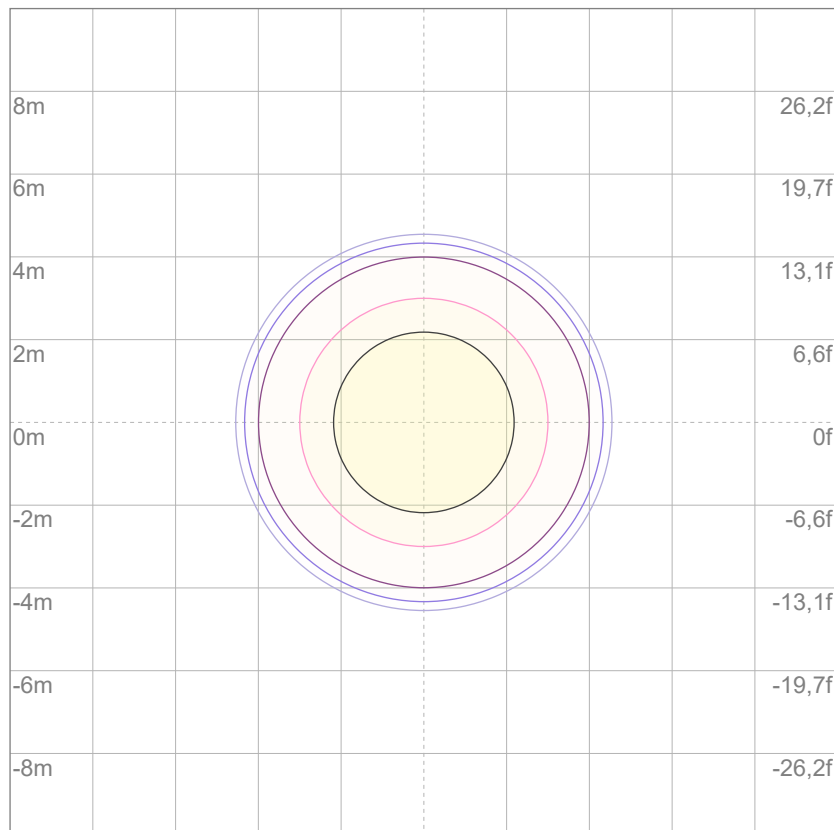
10%	227 cd
20%	454 cd
30%	681 cd
40%	909 cd
50%	1136 cd
60%	1363 cd
70%	1590 cd
80%	1817 cd

Conditions:

Number of c-planes: 2

Candela at center: 2271 cd

ISO LUX DIAGRAM



3%	0,681 lx
5%	1,14 lx
10%	2,27 lx
30%	6,81 lx
50%	11,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 22,7 lx

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



Total lumen output:

265 lm

Peak candela output:

6570 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

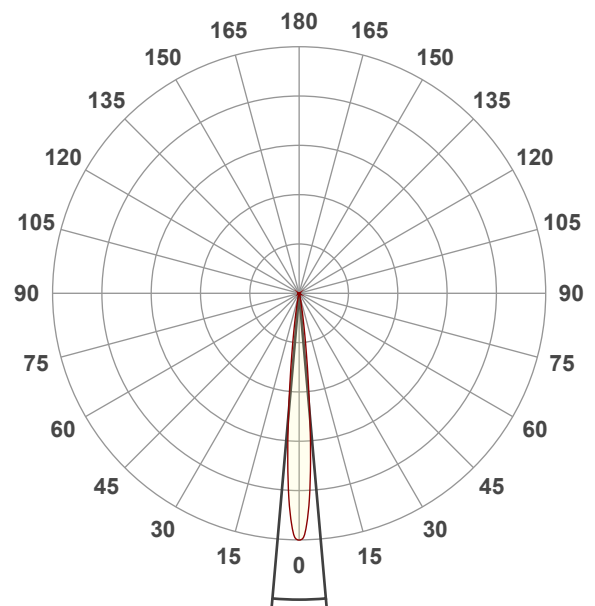
Cyan - HQ - RAW

Operator:

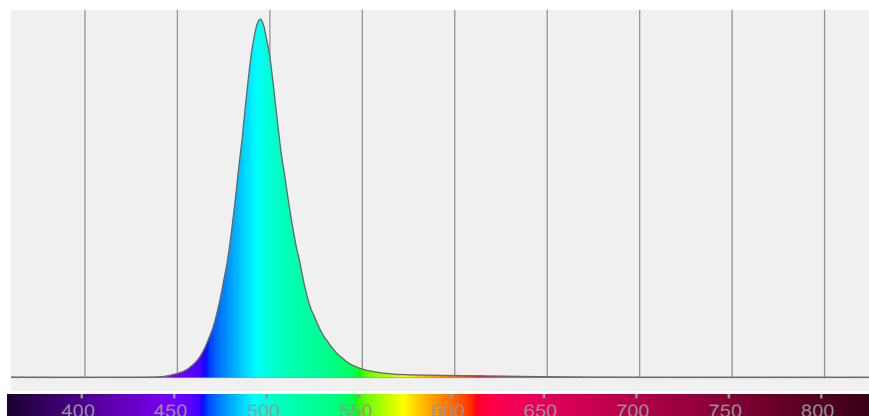
Salvatore Giglio

Date and time:

25/03/2025 17:17:58

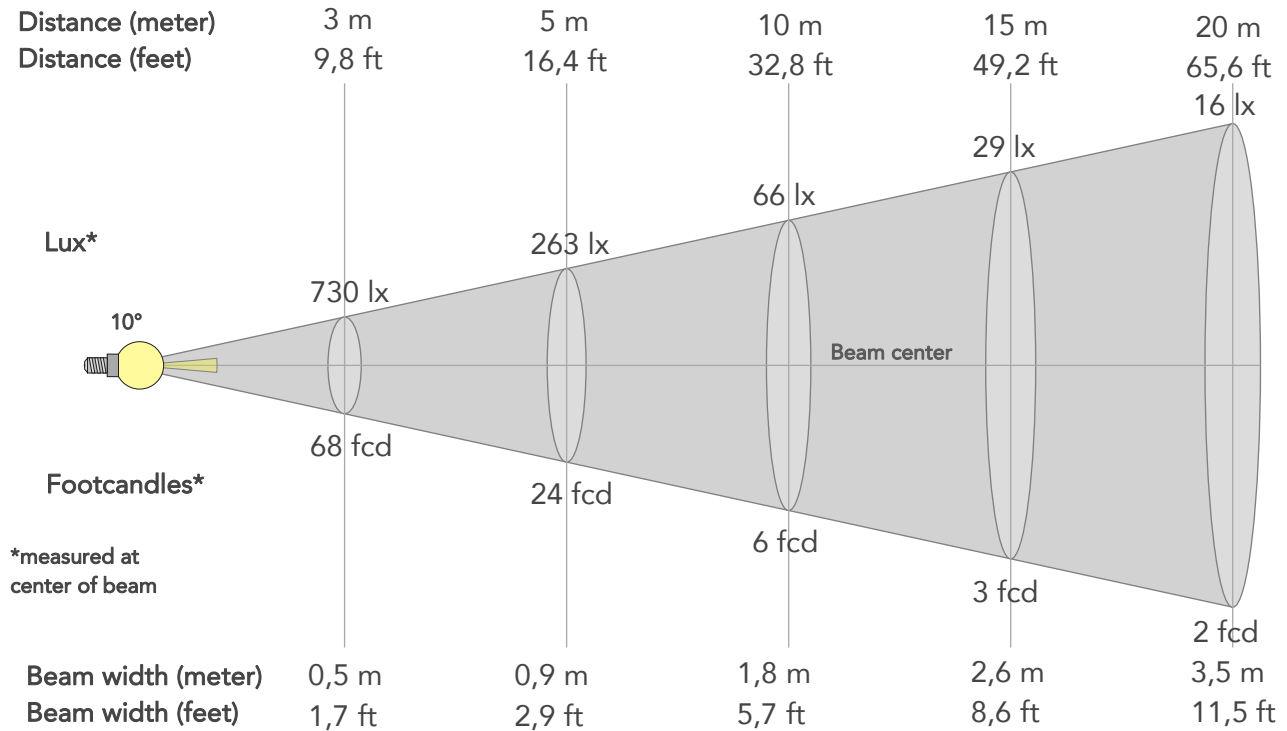


Spectra



BEAM DETAILS

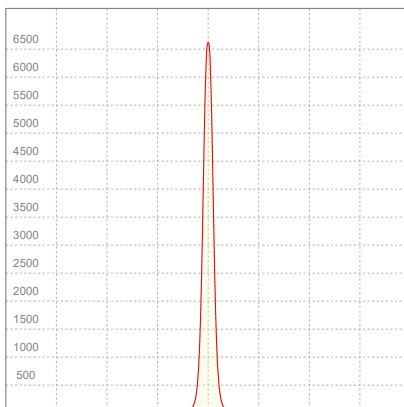
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10°	18,1°	25,1°	98,9%	97,2%



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	6570lx	1642lx	730lx	411lx	263lx	117lx	66lx	29lx	16lx	11lx	7lx	4lx	3lx
Footcand.	610fcd	153fcd	68fcd	38fcd	24fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,6m	3,5m	4,4m	5,3m	7m	8,8m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,3ft	5,7ft	8,6ft	11,5ft	14,4ft	17,2ft	23ft	28,7ft

LINEAR DISTRIBUTION DIAGRAM

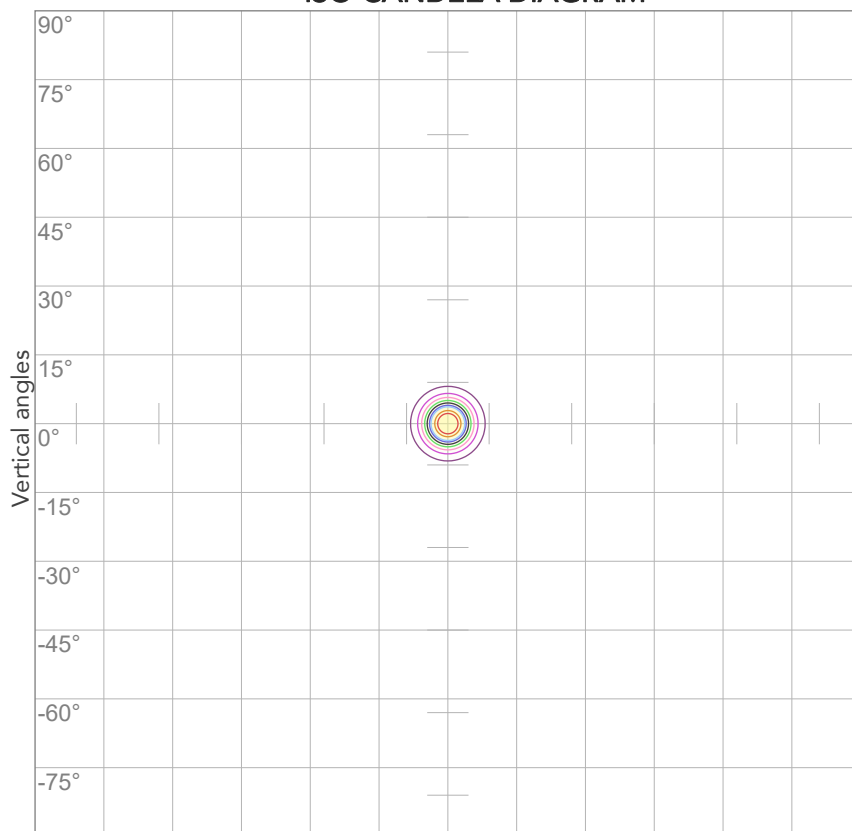


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,443A	34,2W	0,34	8lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



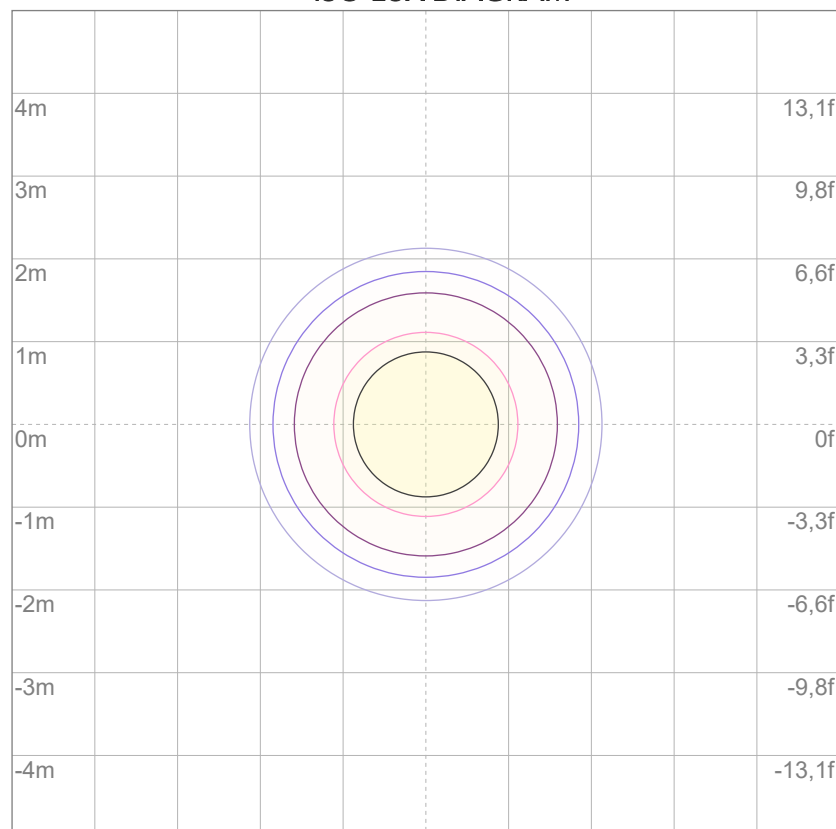
10%	657 cd
20%	1314 cd
30%	1971 cd
40%	2628 cd
50%	3285 cd
60%	3942 cd
70%	4599 cd
80%	5256 cd

Conditions:

Number of c-planes: 2

Candela at center: 6570 cd

ISO LUX DIAGRAM



3%	1,97 lx
5%	3,28 lx
10%	6,57 lx
30%	19,7 lx
50%	32,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 65,7 lx

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



Total lumen output:

9146 lm

Peak candela output:

12014 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

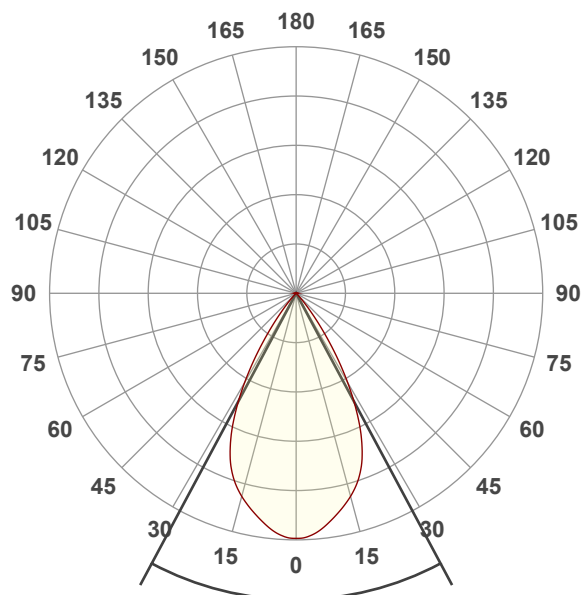
Mint - HQ - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 16:08:44

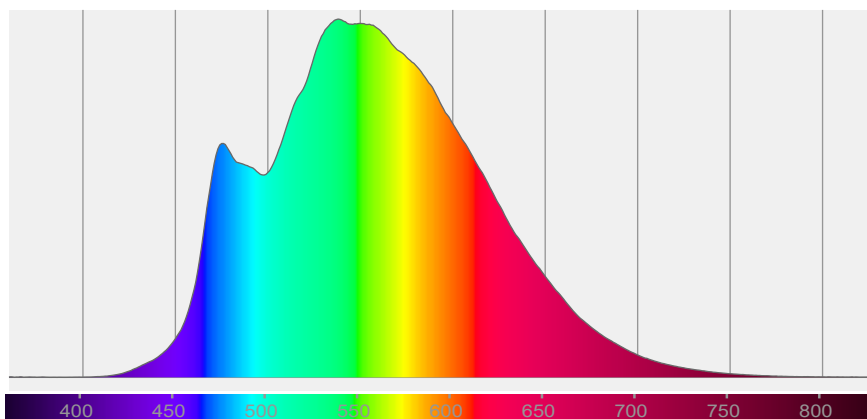


Beam angle 50%: 56,2°

Field angle 10%: 76,8°

Cut off angle 2.5%: 85,5°

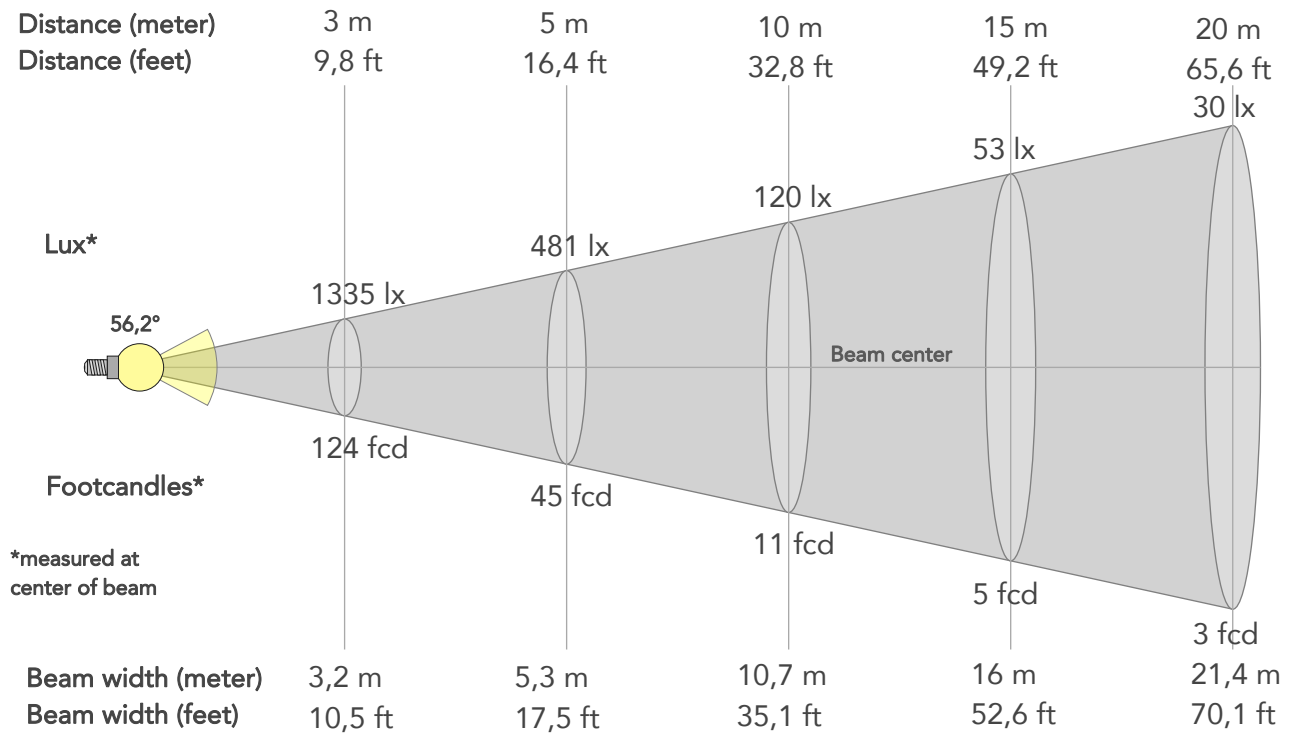
Spectra



BEAM DETAILS



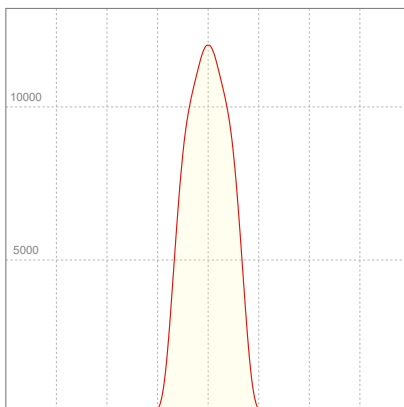
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,2°	76,8°	85,5°	99,7%	99,2%



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	12014lx	3003lx	1335lx	751lx	481lx	214lx	120lx	53lx	30lx	19lx	13lx	8lx	5lx
Footcand.	1116fcd	279fcd	124fcd	70fcd	45fcd	20fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	1,1m	2,1m	3,2m	4,3m	5,3m	8m	10,7m	16m	21,4m	26,7m	32,1m	42,8m	53,5m
Beam wid.	3,5ft	7,1ft	10,5ft	14ft	17,5ft	26,3ft	35,1ft	52,6ft	70,1ft	87,7ft	105,2ft	140,3ft	175,3ft

LINEAR DISTRIBUTION DIAGRAM

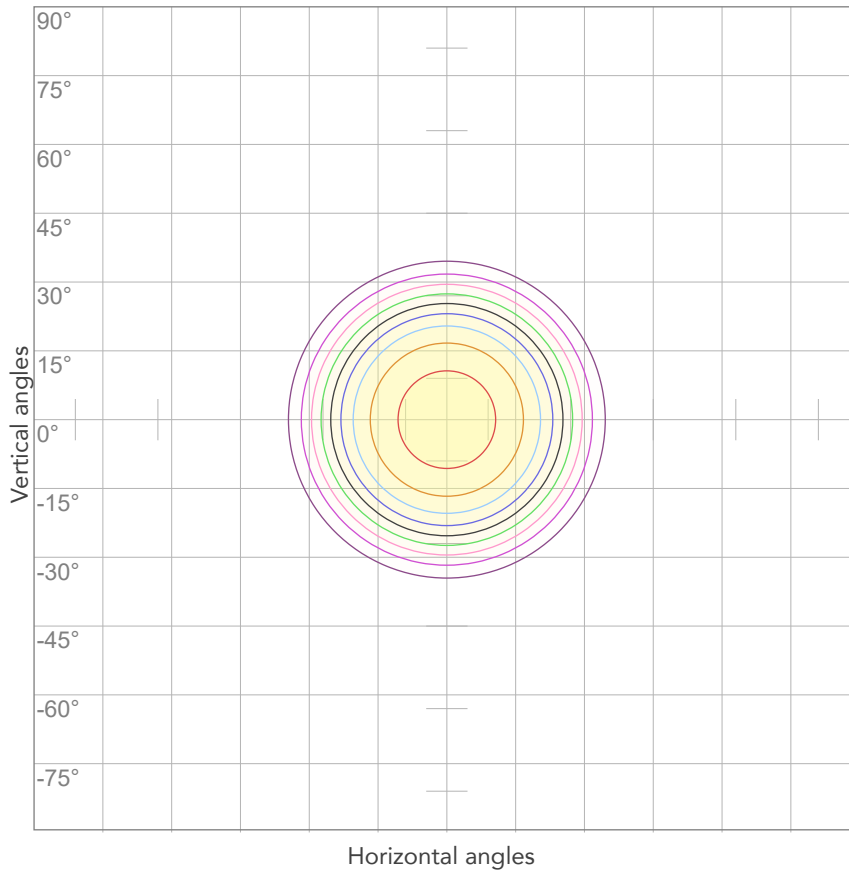


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,931A	205,3W	0,98	45lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



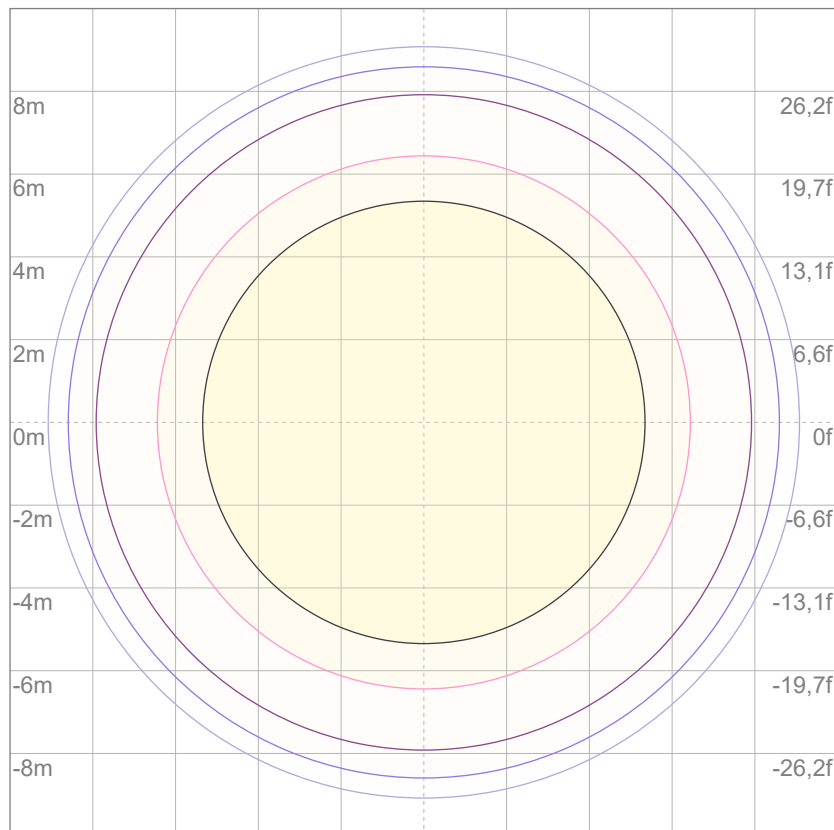
10%	1201 cd
20%	2403 cd
30%	3604 cd
40%	4805 cd
50%	6007 cd
60%	7208 cd
70%	8409 cd
80%	9611 cd

Conditions:

Number of c-planes: 2

Candela at center: 12014 cd

ISO LUX DIAGRAM



3%	3,60 lx
5%	6,01 lx
10%	12,0 lx
30%	36,0 lx
50%	60,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 120 lx

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



Total lumen output:

7722 lm

Peak candela output:

40650 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

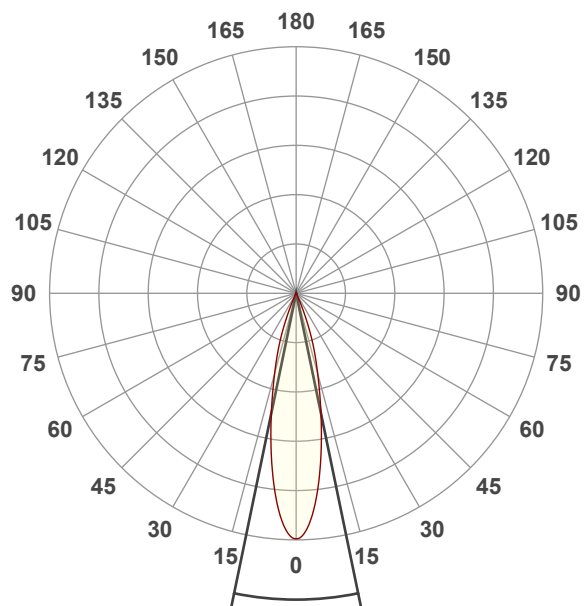
Mint - HQ - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 15:57:57

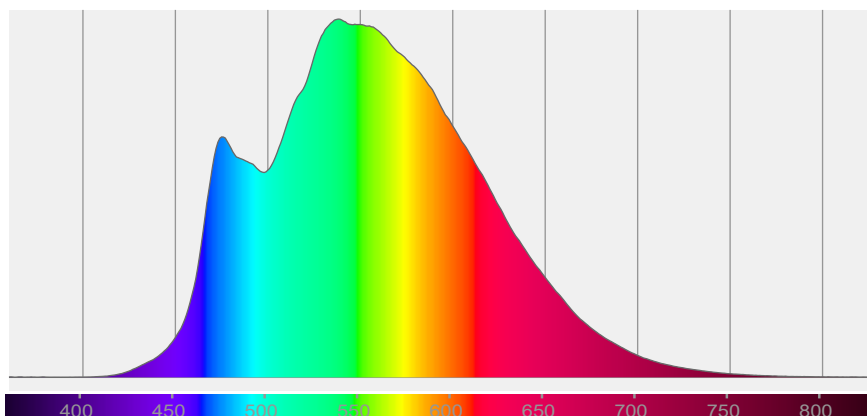


Beam angle 50%: 23,4°

Field angle 10%: 43,2°

Cut off angle 2.5%: 49,8°

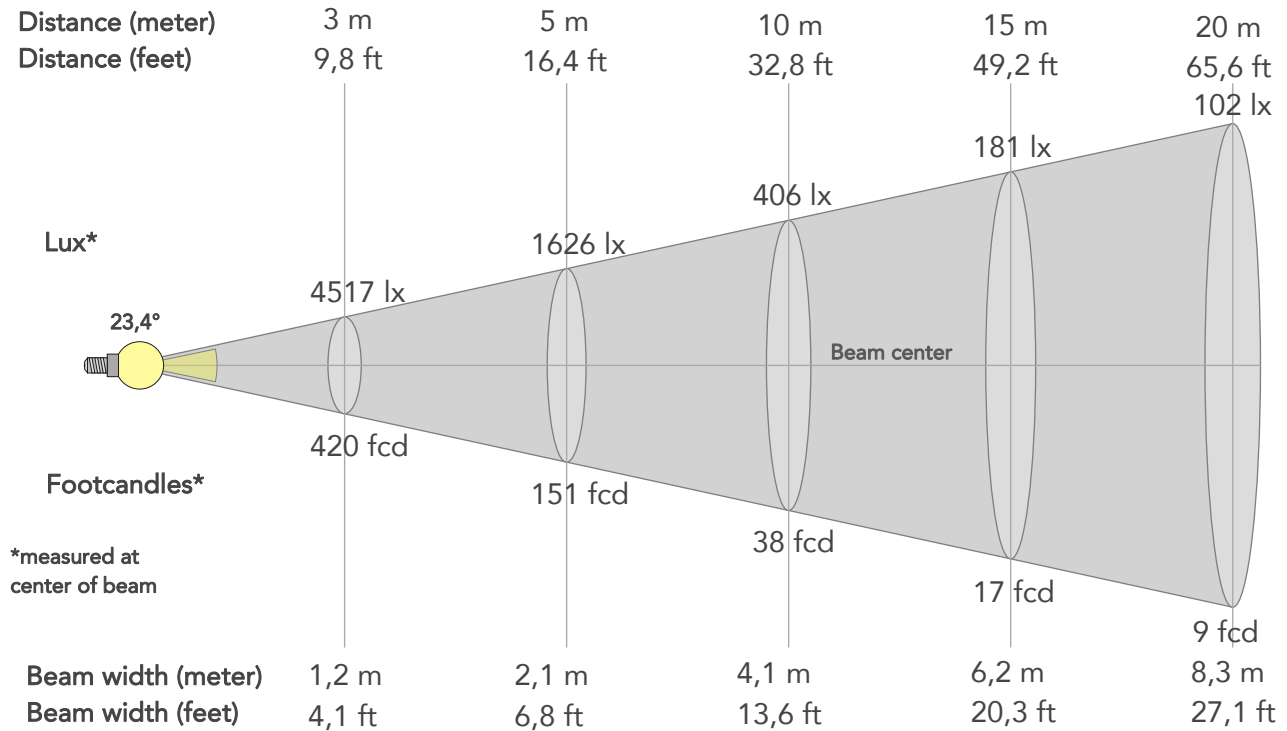
Spectra



BEAM DETAILS



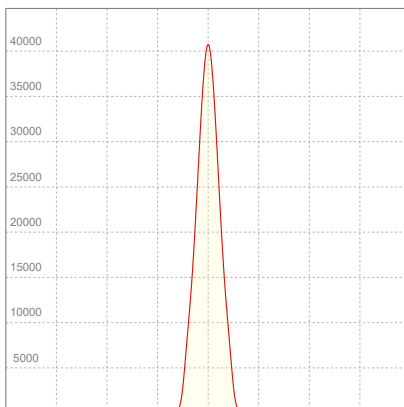
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	43,2°	49,8°	99,6%	98,8%



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	40650lx	10162lx	4517lx	2541lx	1626lx	723lx	406lx	181lx	102lx	65lx	45lx	25lx	16lx
Footcand.	3776fcd	944fcd	420fcd	236fcd	151fcd	67fcd	38fcd	17fcd	9fcd	6fcd	4fcd	2fcd	2fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,3m	12,4m	16,5m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,3ft	27,1ft	33,9ft	40,7ft	54,2ft	67,8ft

LINEAR DISTRIBUTION DIAGRAM

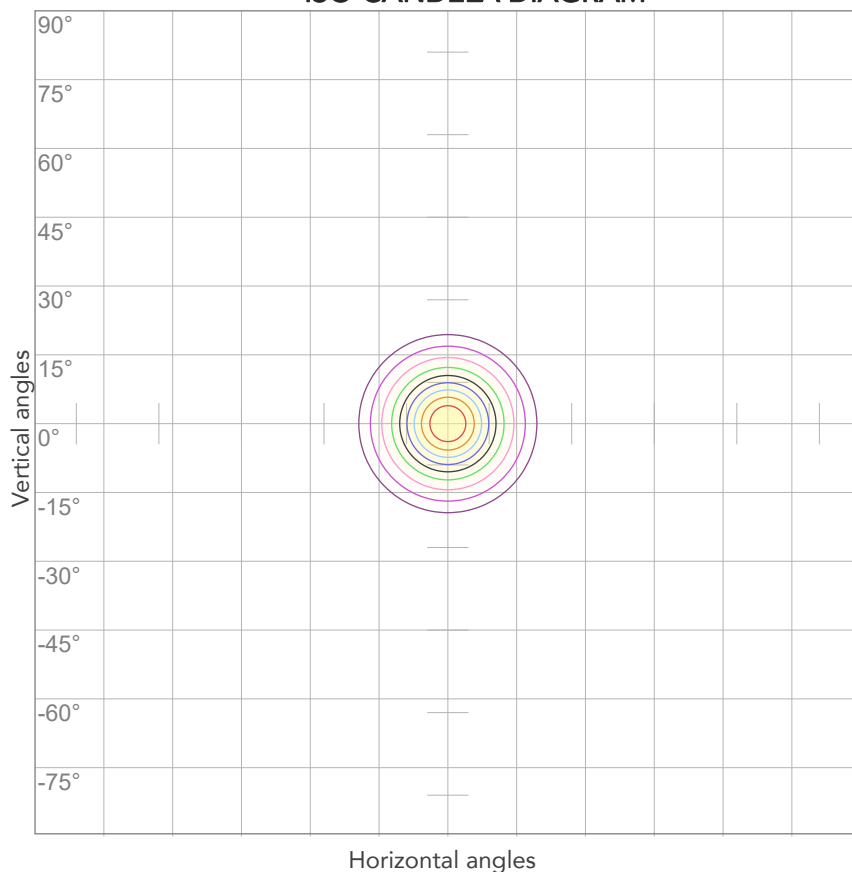


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,916A	204,9W	0,98	38lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



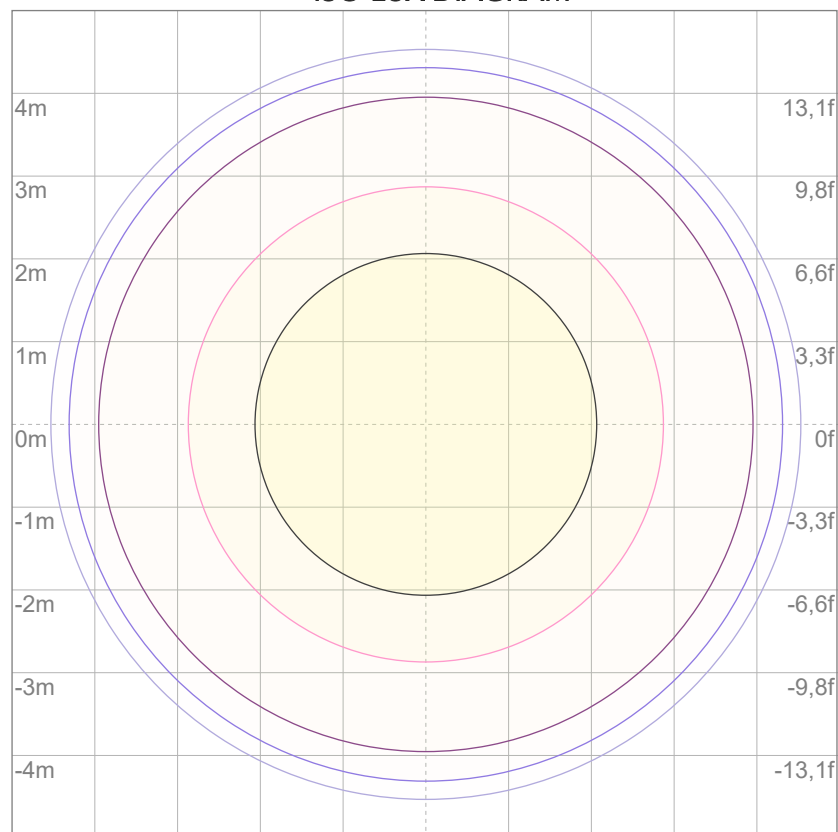
10%	4065 cd
20%	8130 cd
30%	12195 cd
40%	16260 cd
50%	20325 cd
60%	24390 cd
70%	28455 cd
80%	32520 cd

Conditions:

Number of c-planes: 2

Candela at center: 40650 cd

ISO LUX DIAGRAM



3%	12,2 lx
5%	20,3 lx
10%	40,6 lx
30%	122 lx
50%	203 lx

Conditions:

Number of c-planes: 2

Lux at center: 406 lx

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



Total lumen output:

4596 lm

Peak candela output:

116319 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

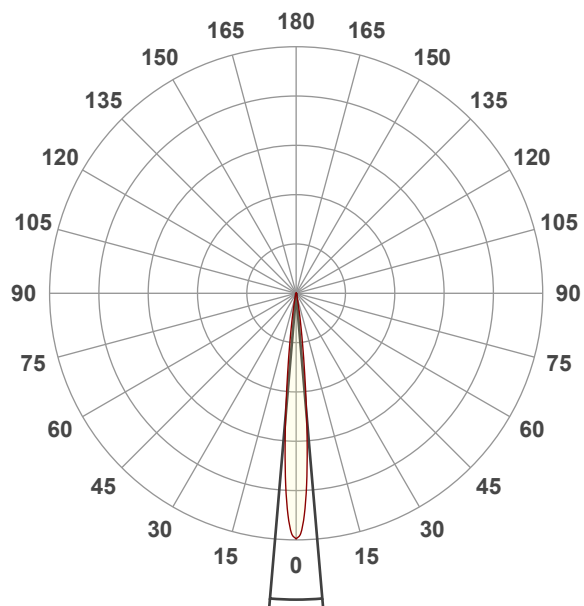
Mint - HQ - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 17:19:27

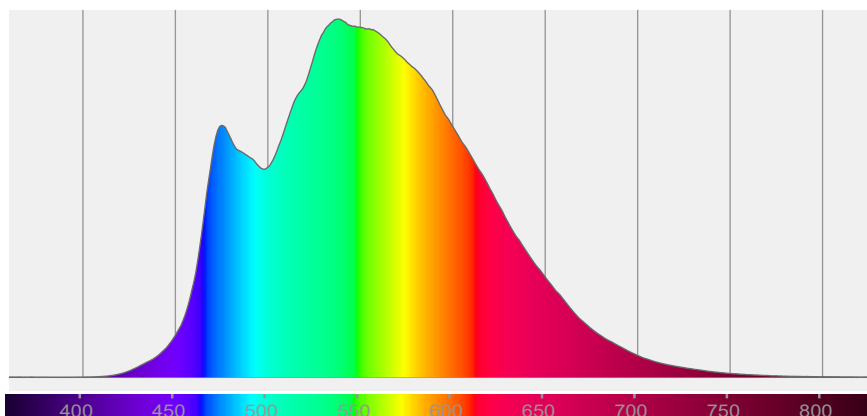


Beam angle 50%: 9,8°

Field angle 10%: 18°

Cut off angle 2.5%: 25,1°

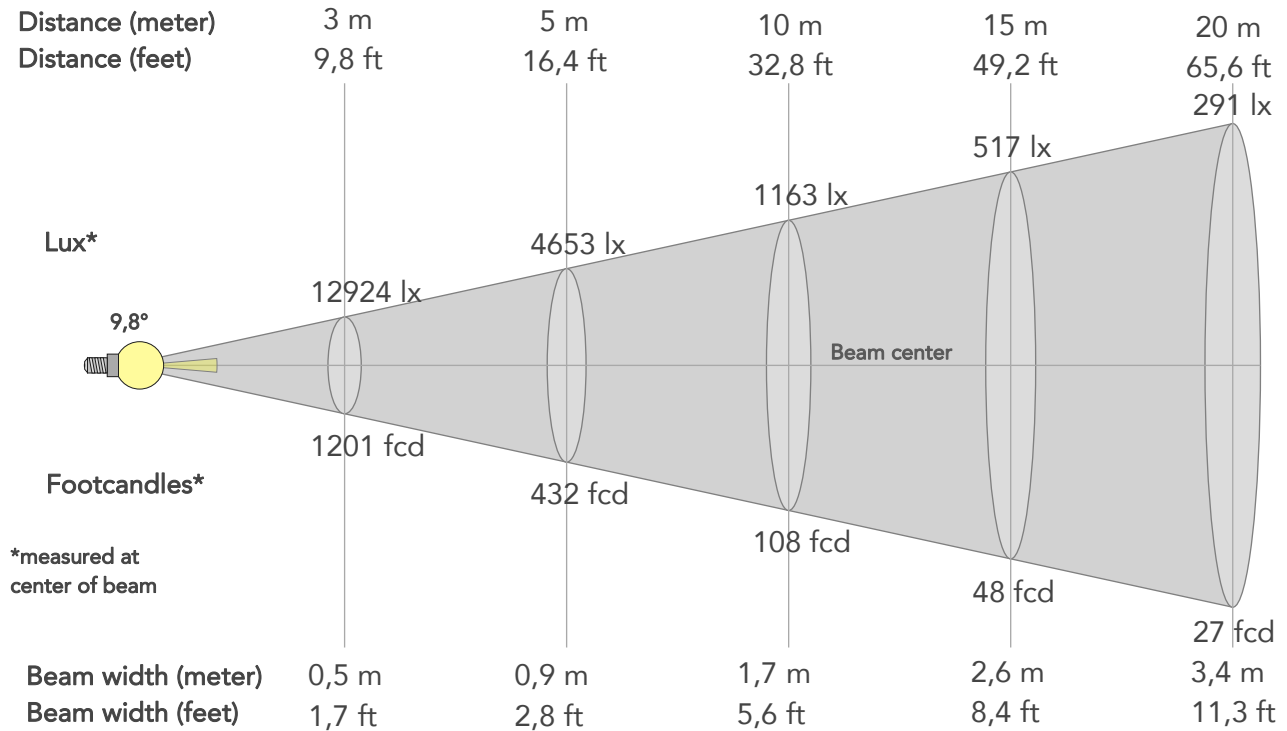
Spectra



BEAM DETAILS



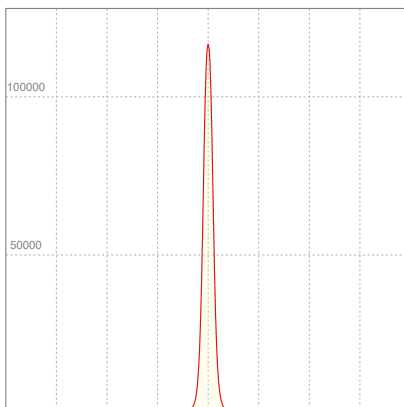
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,8°	18°	25,1°	99,2%	97,3%



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	116319lx	29080lx	12924lx	7270lx	4653lx	2068lx	1163lx	517lx	291lx	186lx	129lx	73lx	47lx
Footcand.	10806fcd	2702fcd	1201fcd	675fcd	432fcd	192fcd	108fcd	48fcd	27fcd	17fcd	12fcd	7fcd	4fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,4m	4,3m	5,1m	6,9m	8,6m
Beam wid.	0,6ft	1,1ft	1,7ft	2,2ft	2,8ft	4,2ft	5,6ft	8,4ft	11,3ft	14,1ft	16,9ft	22,5ft	28,1ft

LINEAR DISTRIBUTION DIAGRAM

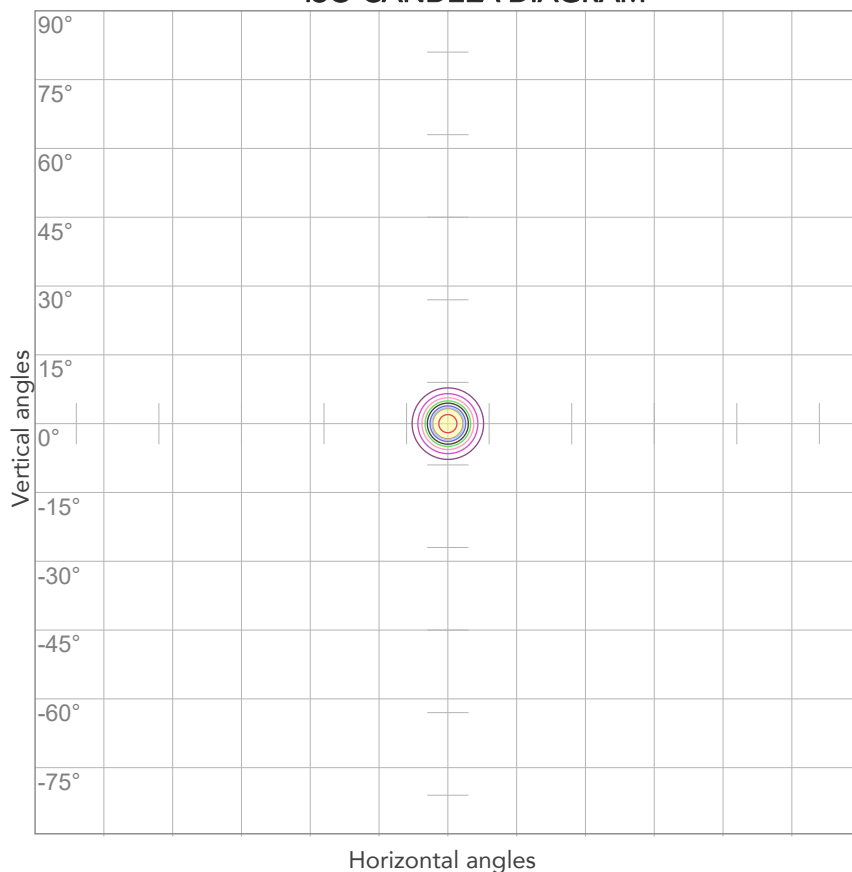


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,917A	204,5W	0,98	22lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



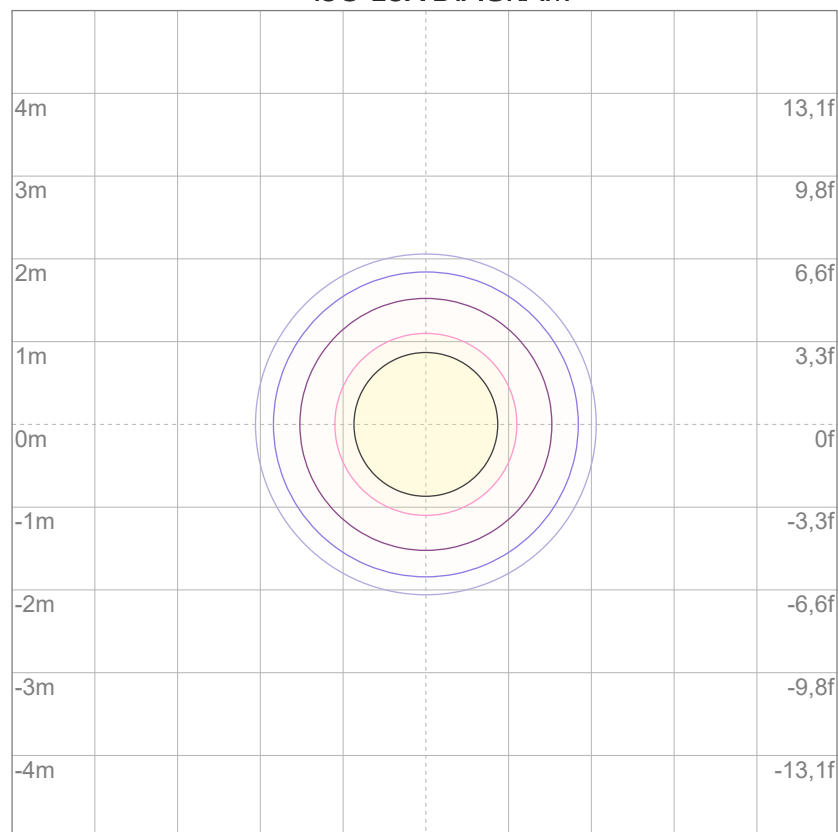
10%	11632 cd
20%	23264 cd
30%	34896 cd
40%	46527 cd
50%	58159 cd
60%	69791 cd
70%	81423 cd
80%	93055 cd

Conditions:

Number of c-planes: 2

Candela at center: 116319 cd

ISO LUX DIAGRAM



3%	34,9 lx
5%	58,2 lx
10%	116 lx
30%	349 lx
50%	582 lx

Conditions:

Number of c-planes: 2

Lux at center: 1163 lx

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



Total lumen output:

3796 lm

Peak candela output:

5141 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

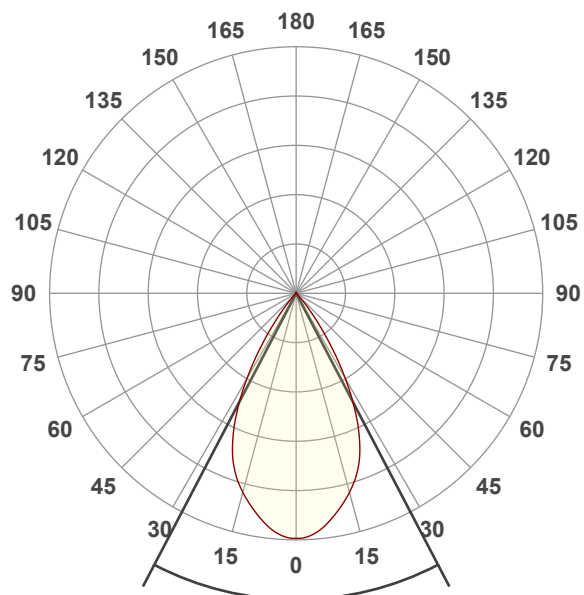
Amber - HQ - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 16:10:10

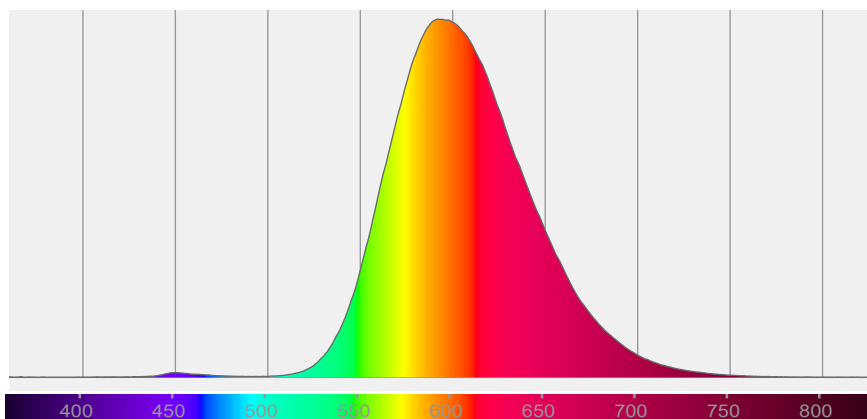


Beam angle 50%: 55,2°

Field angle 10%: 76,5°

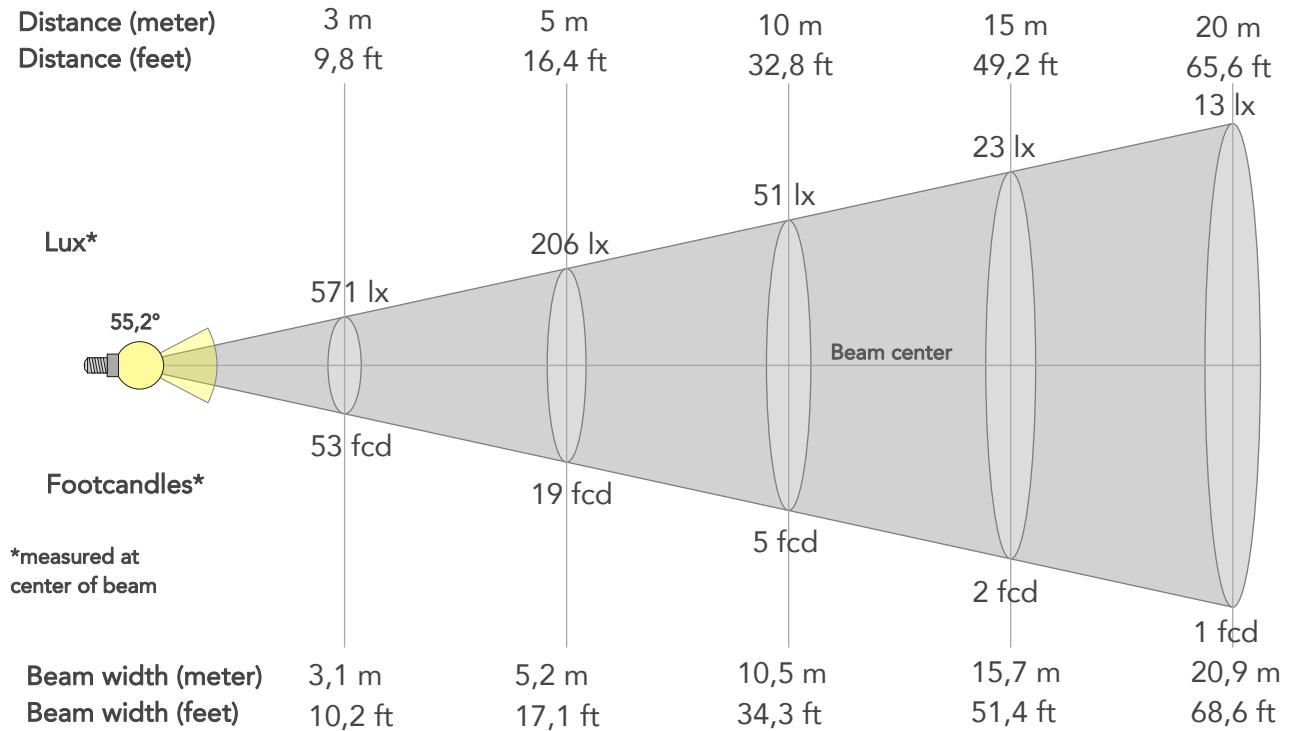
Cut off angle 2.5%: 85,2°

Spectra



BEAM DETAILS

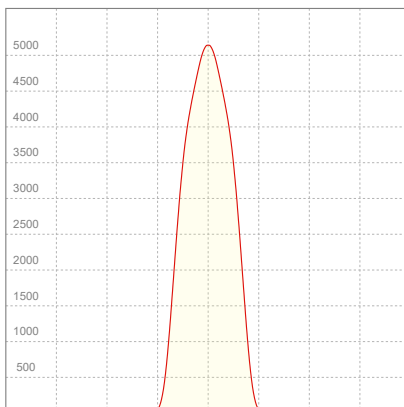
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
55,2°	76,5°	85,2°	99,8%	99,2%



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	5141lx	1285lx	571lx	321lx	206lx	91lx	51lx	23lx	13lx	8lx	6lx	3lx	2lx
Footcand.	478fcd	119fcd	53fcd	30fcd	19fcd	8fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1m	2,1m	3,1m	4,2m	5,2m	7,8m	10,5m	15,7m	20,9m	26,1m	31,4m	41,8m	52,3m
Beam wid.	3,4ft	6,9ft	10,2ft	13,7ft	17,1ft	25,7ft	34,3ft	51,4ft	68,6ft	85,7ft	102,8ft	137,1ft	171,4ft

LINEAR DISTRIBUTION DIAGRAM

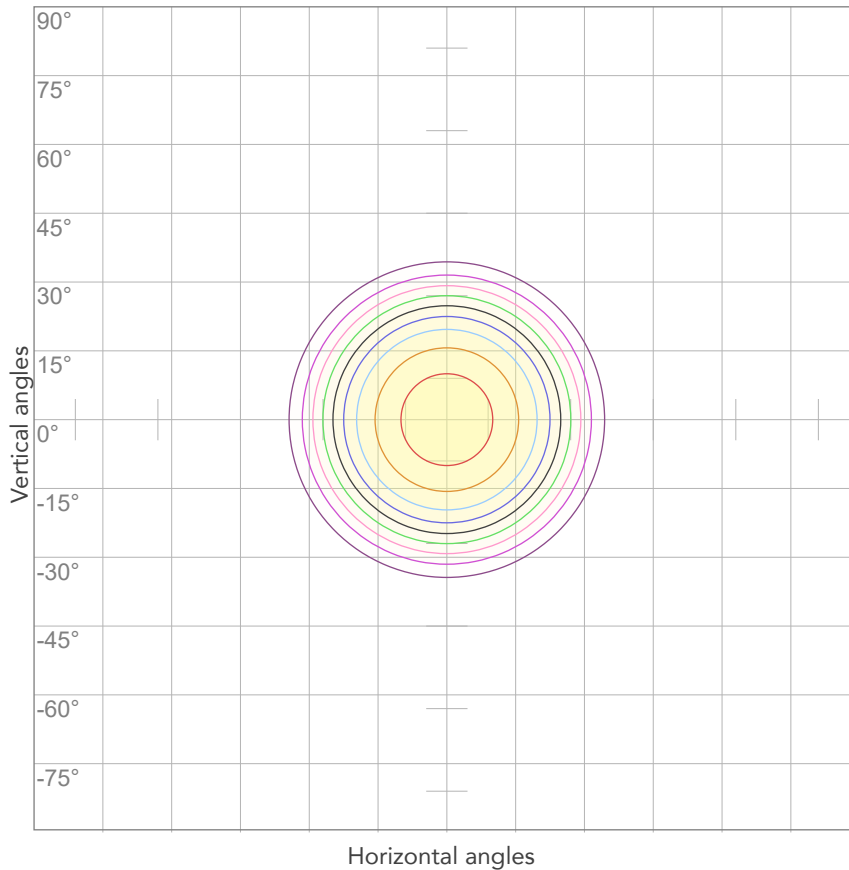


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,714A	154,1W	0,96	25lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



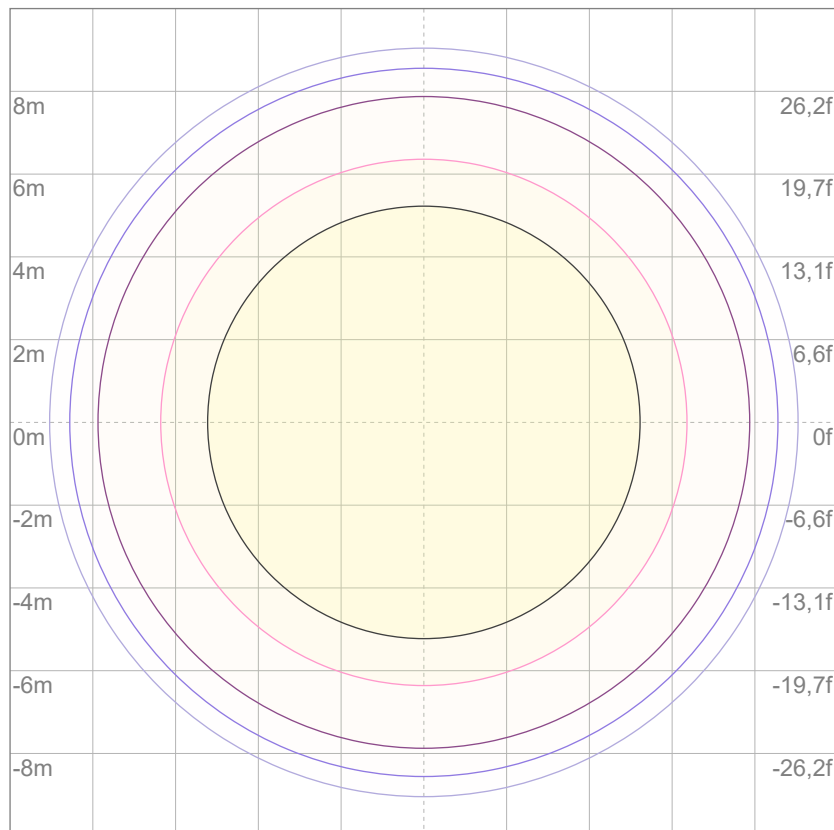
10%	514 cd
20%	1028 cd
30%	1542 cd
40%	2056 cd
50%	2571 cd
60%	3085 cd
70%	3599 cd
80%	4113 cd

Conditions:

Number of c-planes: 2

Candela at center: 5141 cd

ISO LUX DIAGRAM



3%	1,54 lx
5%	2,57 lx
10%	5,14 lx
30%	15,4 lx
50%	25,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 51,4 lx

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



Total lumen output:

3229 lm

Peak candela output:

17321 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

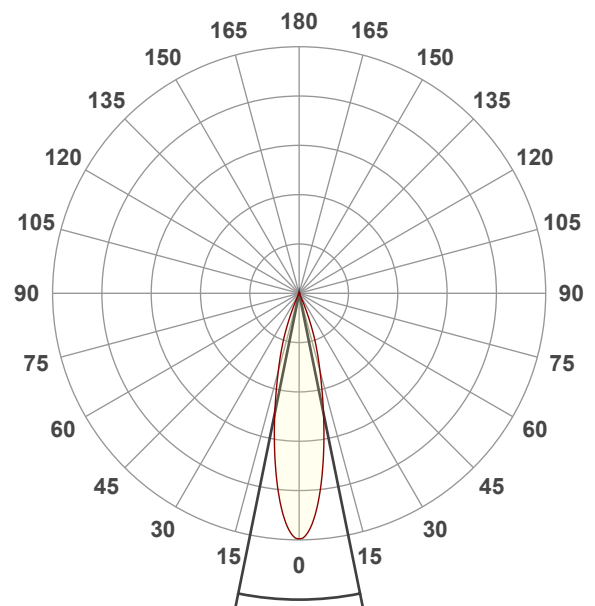
Amber - HQ - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 15:59:26

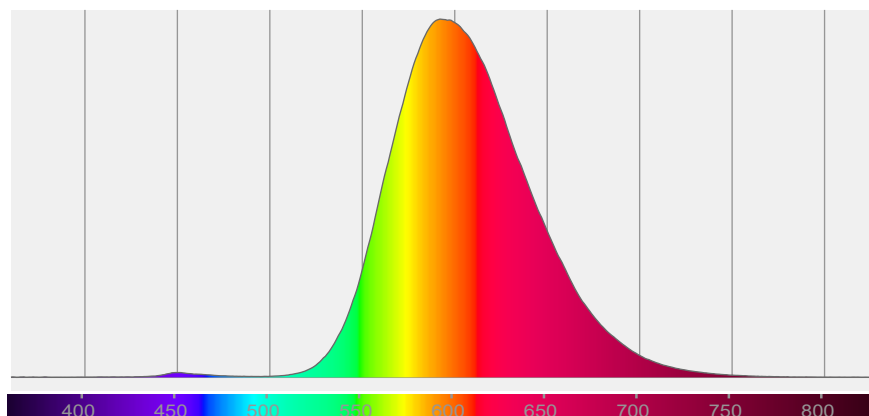


Beam angle 50%: 22,9°

Field angle 10%: 43°

Cut off angle 2.5%: 49,7°

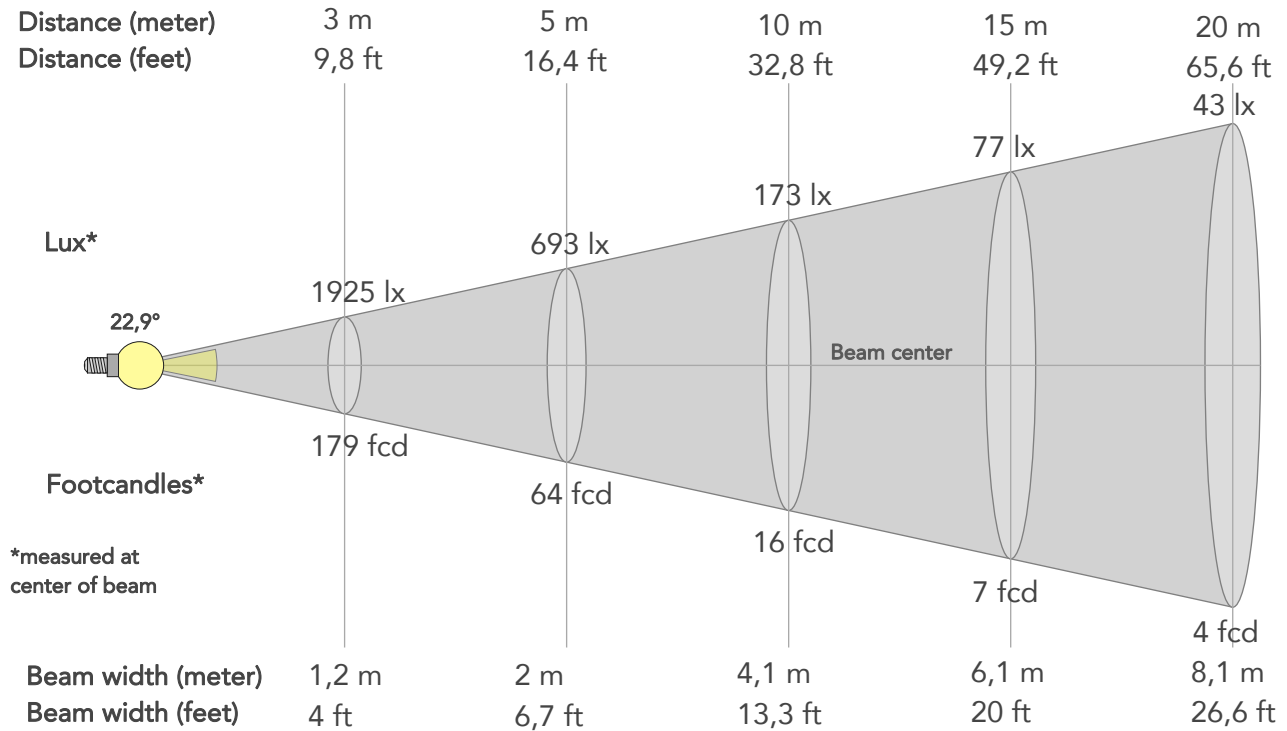
Spectra



BEAM DETAILS



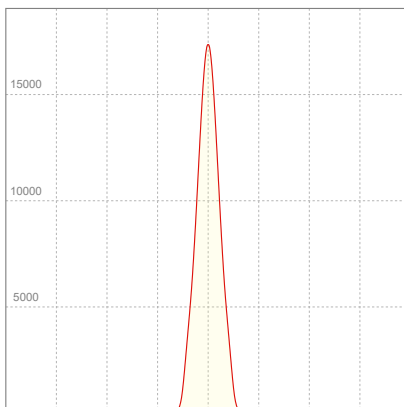
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22,9°	43°	49,7°	99,6%	98,7%



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	17321lx	4330lx	1925lx	1083lx	693lx	308lx	173lx	77lx	43lx	28lx	19lx	11lx	7lx
Footcand.	1609fcd	402fcd	179fcd	101fcd	64fcd	29fcd	16fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3m	4,1m	6,1m	8,1m	10,1m	12,2m	16,2m	20,3m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,7ft	10ft	13,3ft	20ft	26,6ft	33,3ft	39,9ft	53,2ft	66,5ft

LINEAR DISTRIBUTION DIAGRAM

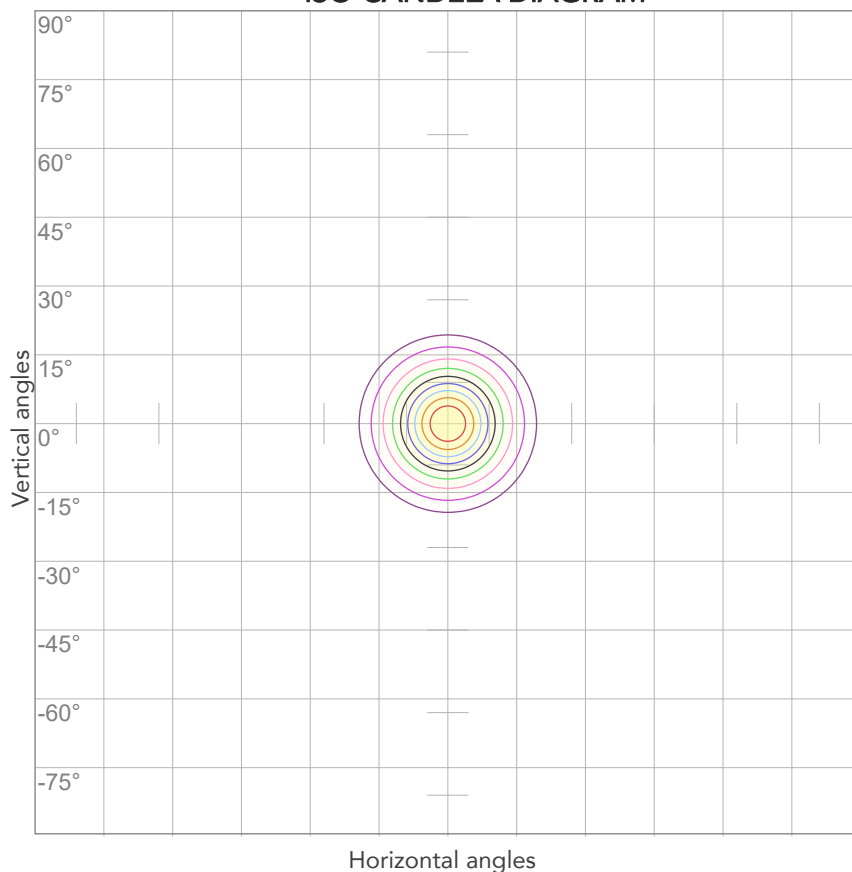


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,717A	155,1W	0,96	21lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



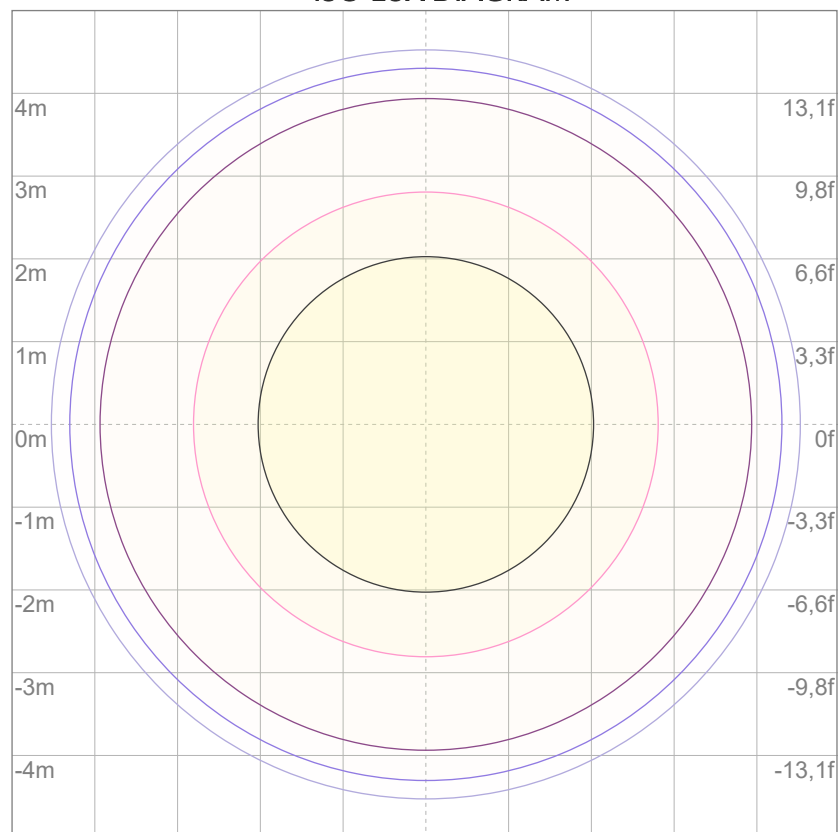
10%	1732 cd
20%	3464 cd
30%	5196 cd
40%	6928 cd
50%	8660 cd
60%	10393 cd
70%	12125 cd
80%	13857 cd

Conditions:

Number of c-planes: 2

Candela at center: 17321 cd

ISO LUX DIAGRAM



3%	5,20 lx
5%	8,66 lx
10%	17,3 lx
30%	52,0 lx
50%	86,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 173 lx

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



Total lumen output:

1932 lm

Peak candela output:

49190 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

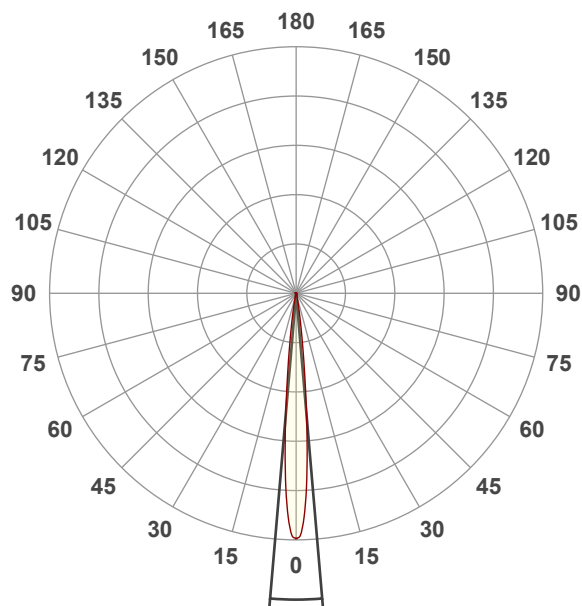
Amber - HQ - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 17:21:08

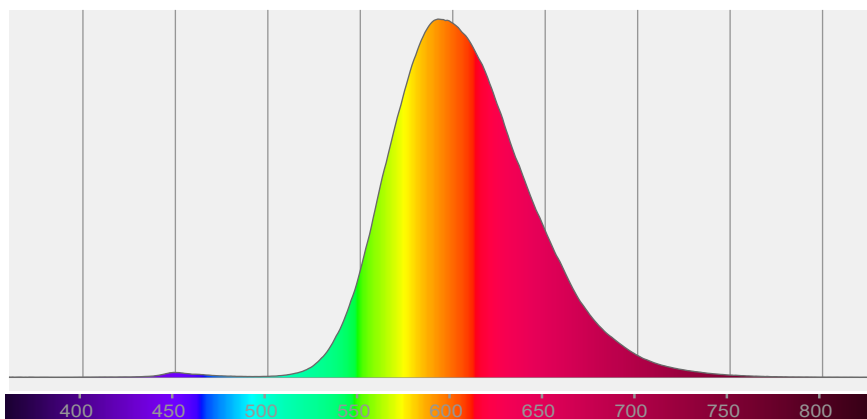


Beam angle 50%: 9,8°

Field angle 10%: 17,9°

Cut off angle 2.5%: 25°

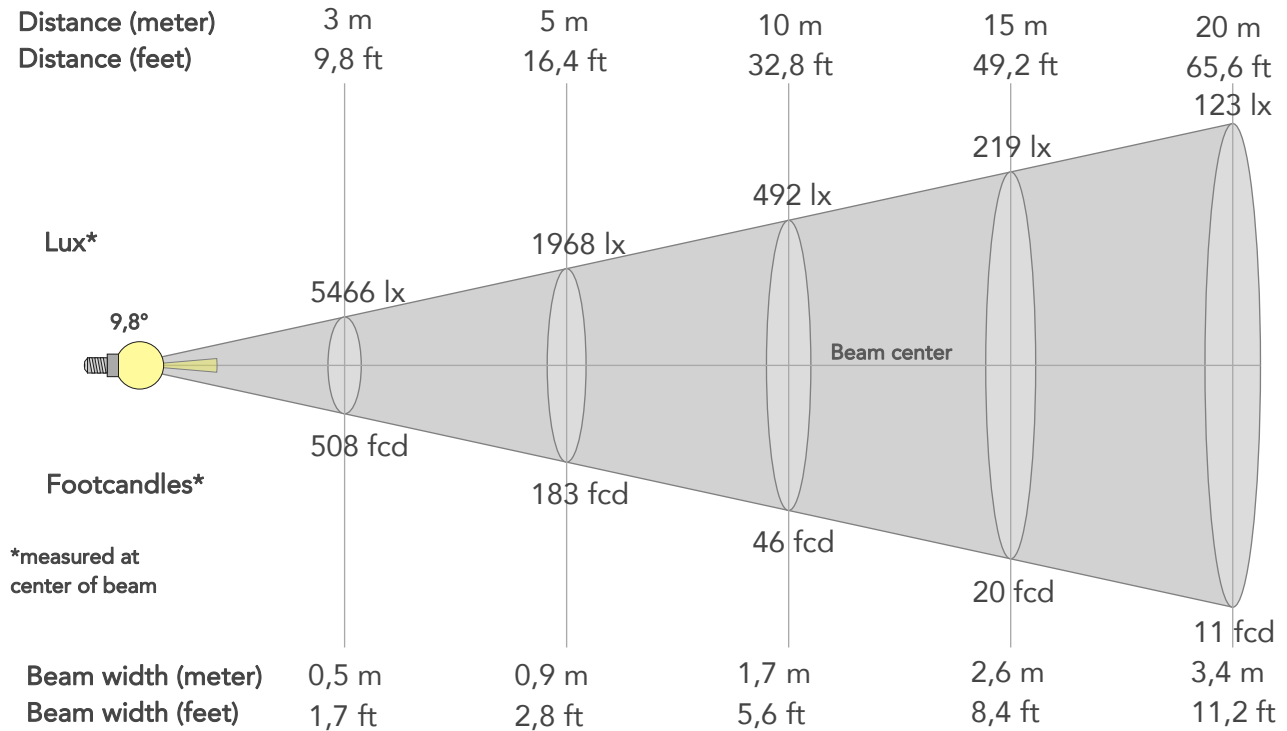
Spectra



BEAM DETAILS



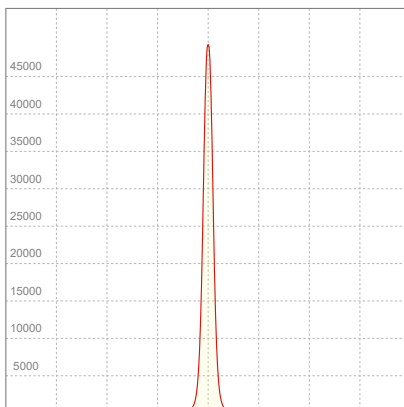
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,8°	17,9°	25°	99,2%	97,4%



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	49190lx	12298lx	5466lx	3074lx	1968lx	874lx	492lx	219lx	123lx	79lx	55lx	31lx	20lx
Footcand.	4570fcd	1142fcd	508fcd	286fcd	183fcd	81fcd	46fcd	20fcd	11fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,4m	4,3m	5,1m	6,8m	8,5m
Beam wid.	0,6ft	1,1ft	1,7ft	2,2ft	2,8ft	4,2ft	5,6ft	8,4ft	11,2ft	14ft	16,8ft	22,4ft	28ft

LINEAR DISTRIBUTION DIAGRAM

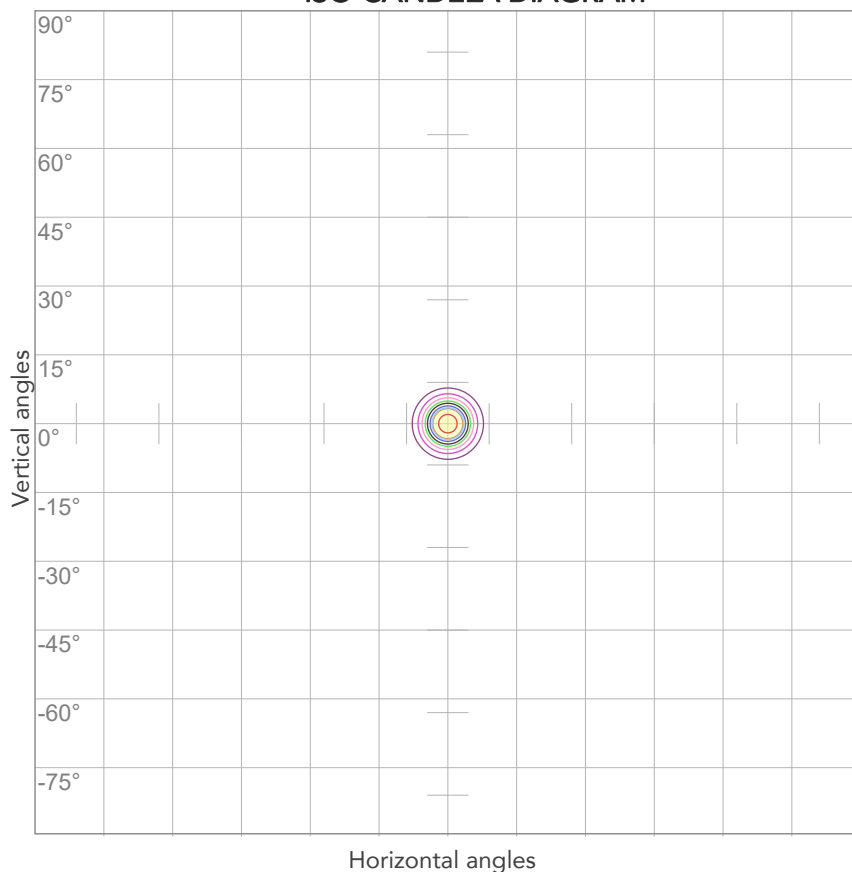


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,709A	154,6W	0,96	12lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



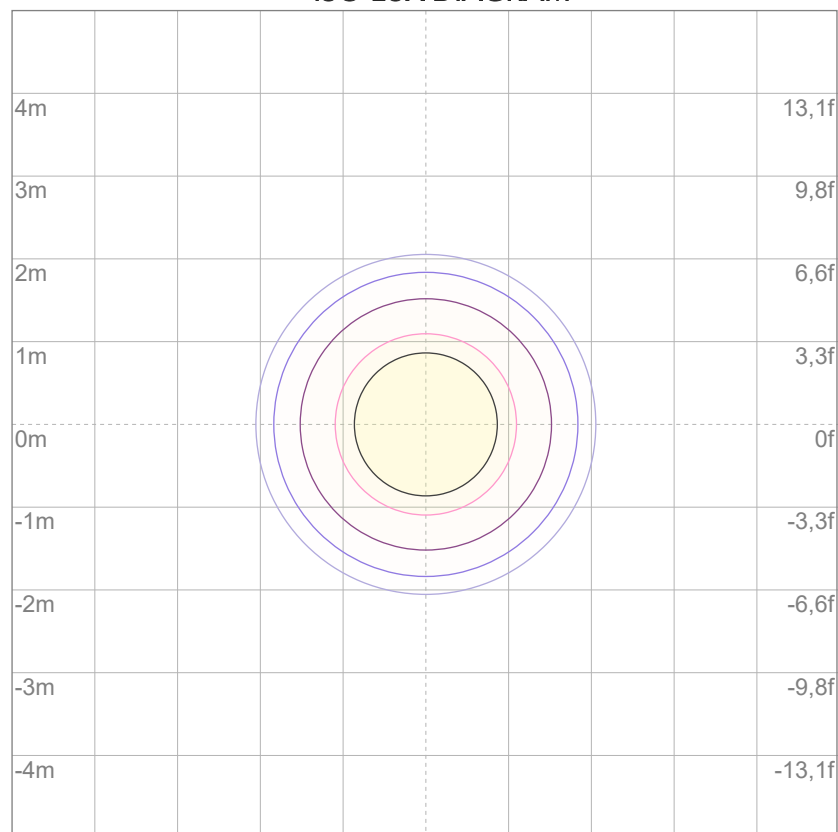
10%	4919 cd
20%	9838 cd
30%	14757 cd
40%	19676 cd
50%	24595 cd
60%	29514 cd
70%	34433 cd
80%	39352 cd

Conditions:

Number of c-planes: 2

Candela at center: 49190 cd

ISO LUX DIAGRAM



3%	14,8 lx
5%	24,6 lx
10%	49,2 lx
30%	148 lx
50%	246 lx

Conditions:

Number of c-planes: 2

Lux at center: 492 lx

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



Total lumen output:

11987 lm

Peak candela output:

15833 cd

Light quality:

CRI: 96,7

Color temperature:

2845 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

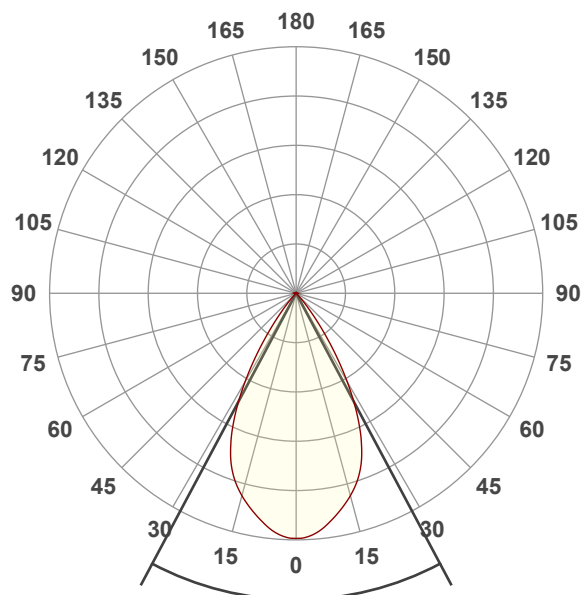
2800K - HQ

Operator:

Salvatore Giglio

Date and time:

25/03/2025 16:18:46

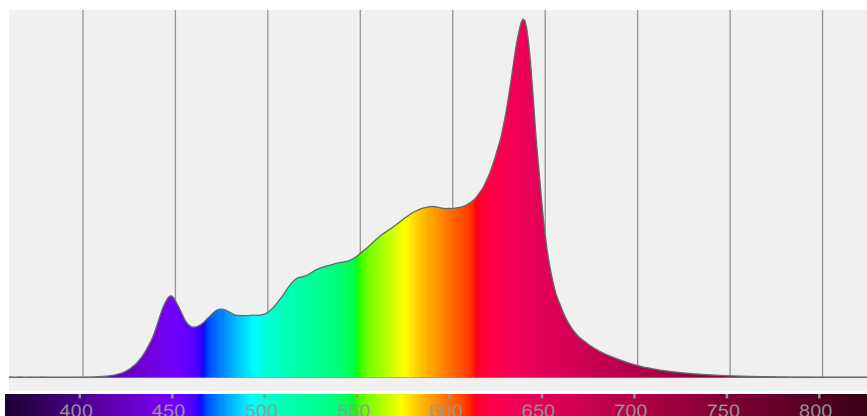


Beam angle 50%: 56°

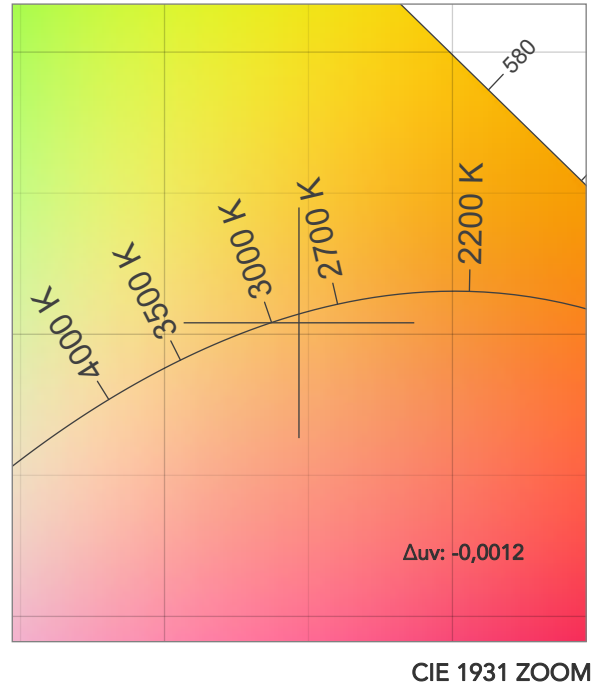
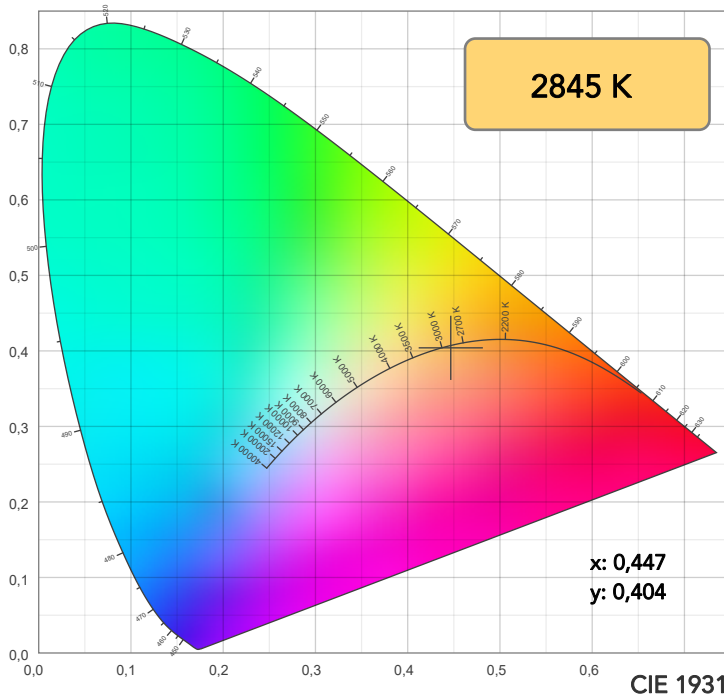
Field angle 10%: 76,8°

Cut off angle 2.5%: 85,5°

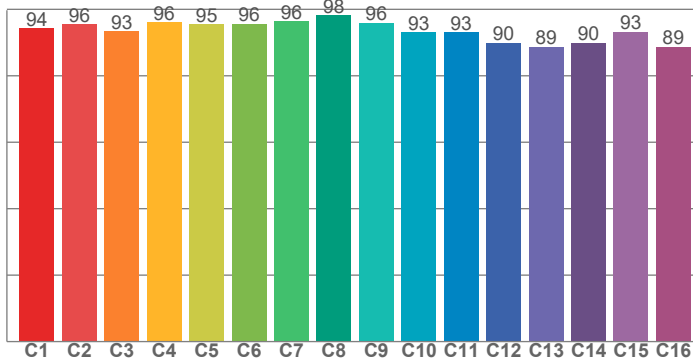
Spectra



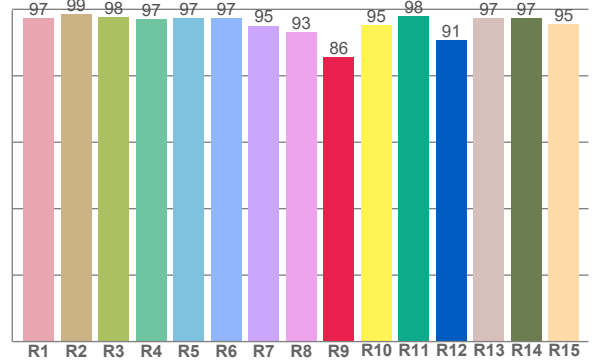
COLOR DETAILS



TM30: 93,8



CRI: 96,7 (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
97,2	98,6	97,7	96,9	97,4	97,4	95,1	93,2	85,6	95,3	97,9	90,7	97,4	97,4	95,5

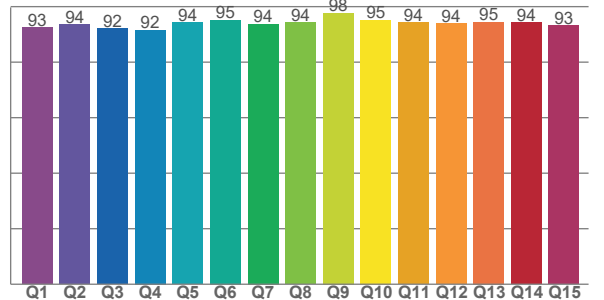
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,2	95,6	93,4	96,1	95,5	95,6	96,4	98,2	95,9	93,0	93,2	89,9	88,8	89,9	93,2	88,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,5	93,7	92,0	91,6	94,2	95,1	93,7	94,3	97,7	95,2	94,3	94,0	94,5	94,3	93,2

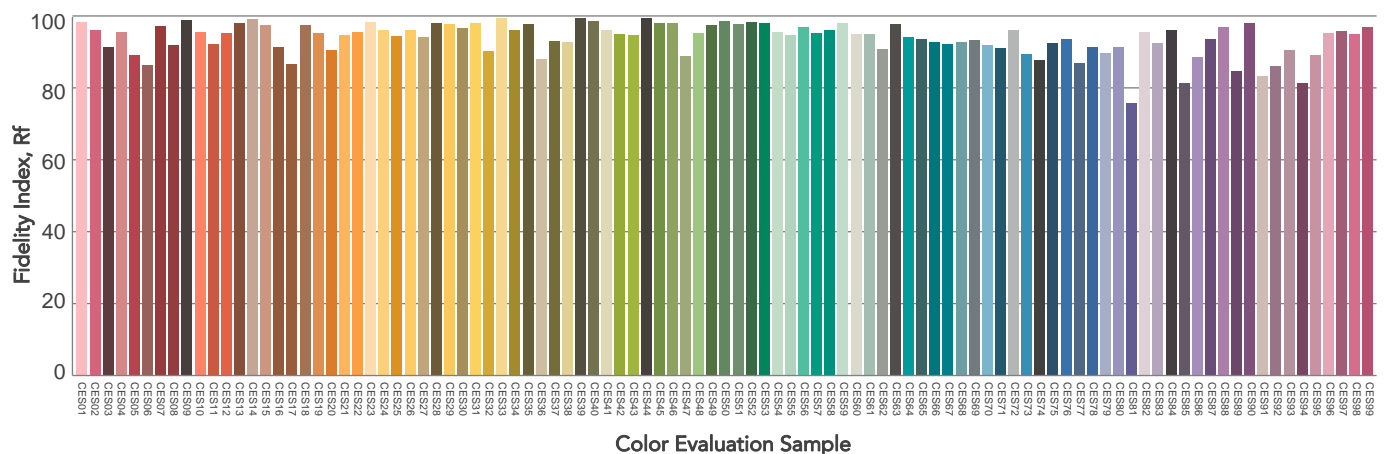
CQS: 93,8



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2845 K	96,7	85,6	93,8	100,2	93,8	88	0,447	0,404	-0,0012

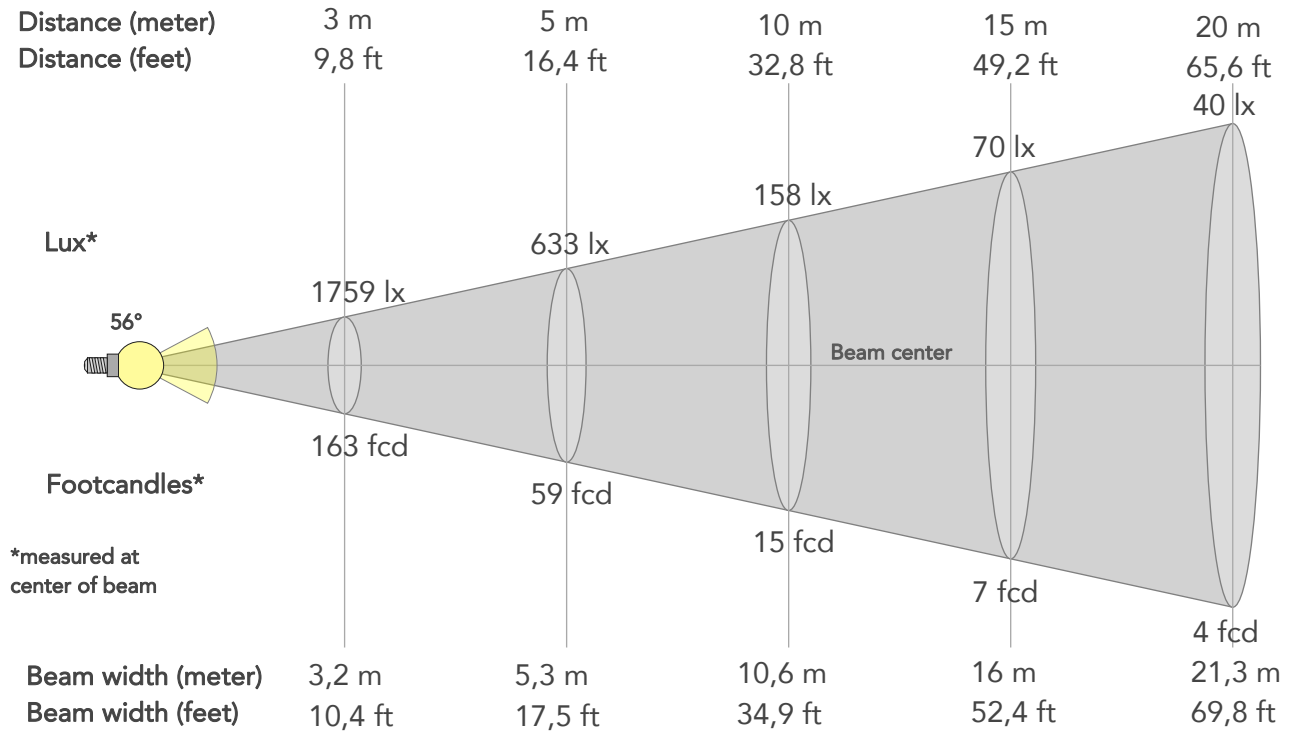
Gammut index



BEAM DETAILS



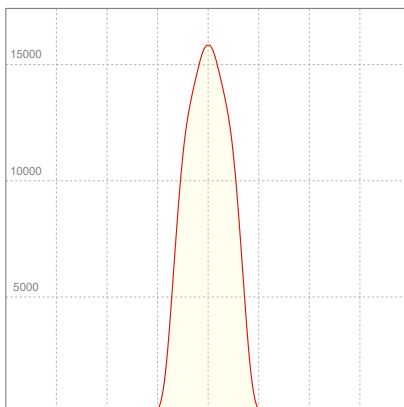
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56°	76,8°	85,5°	99,8%	99,2%



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	15833lx	3958lx	1759lx	990lx	633lx	281lx	158lx	70lx	40lx	25lx	18lx	10lx	6lx
Footcand.	1471fcd	368fcd	163fcd	92fcd	59fcd	26fcd	15fcd	7fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	1,1m	2,1m	3,2m	4,3m	5,3m	8m	10,6m	16m	21,3m	26,6m	31,9m	42,6m	53,2m
Beam wid.	3,5ft	7ft	10,4ft	13,9ft	17,5ft	26,2ft	34,9ft	52,4ft	69,8ft	87,3ft	104,7ft	139,6ft	174,6ft

LINEAR DISTRIBUTION DIAGRAM

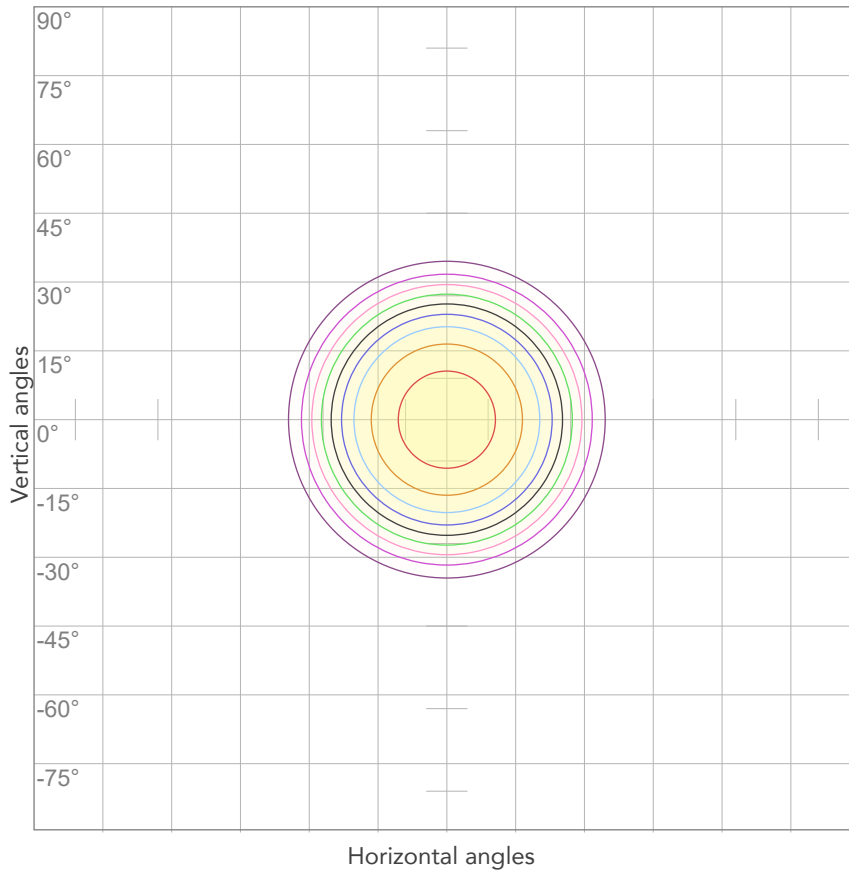


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
223V	1,89A	420,2W	1,0	29lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



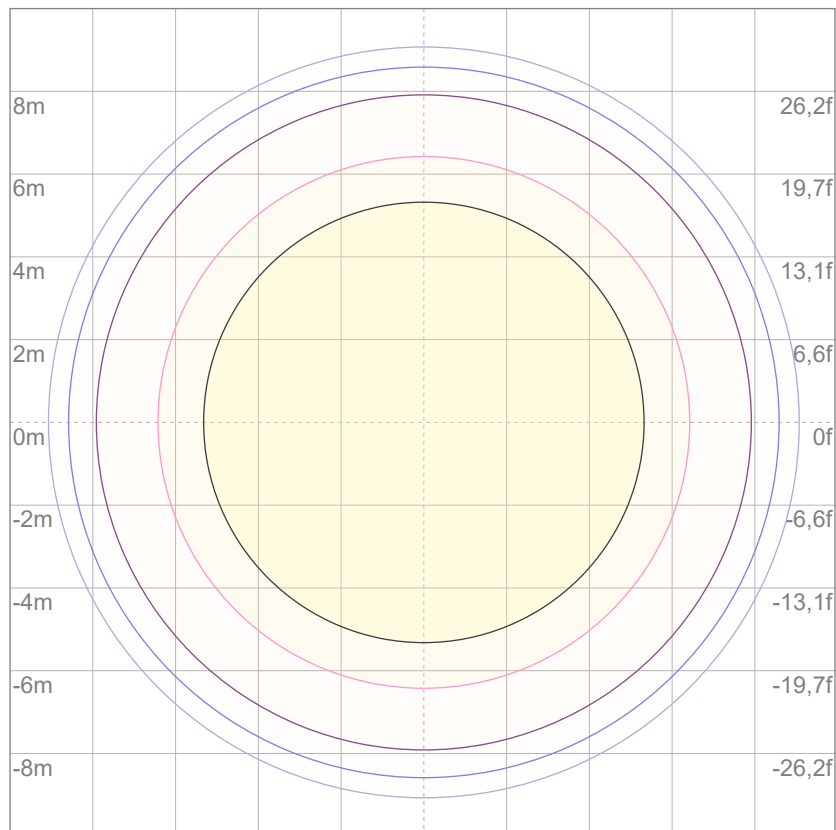
10%	1583 cd
20%	3167 cd
30%	4750 cd
40%	6333 cd
50%	7916 cd
60%	9500 cd
70%	11083 cd
80%	12666 cd

Conditions:

Number of c-planes: 2

Candela at center: 15833 cd

ISO LUX DIAGRAM



3%	4,75 lx
5%	7,92 lx
10%	15,8 lx
30%	47,5 lx
50%	79,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 158 lx

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



Total lumen output:

9861 lm

Peak candela output:

51994 cd

Light quality:

CRI: 96,8

Color temperature:

2806 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

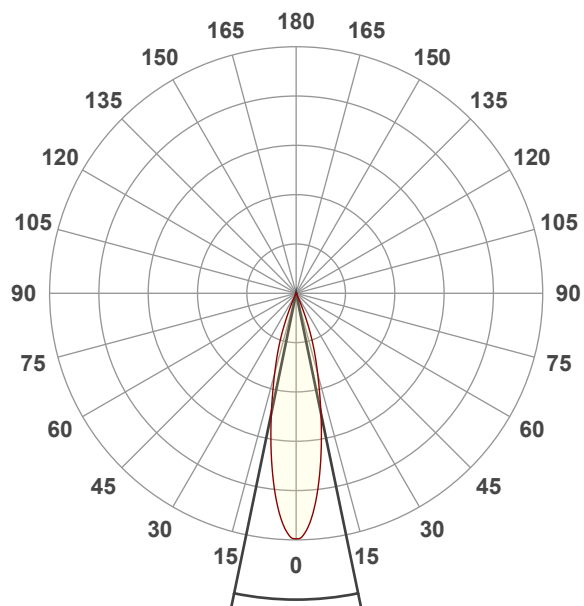
2800K - HQ

Operator:

Salvatore Giglio

Date and time:

25/03/2025 15:18:30

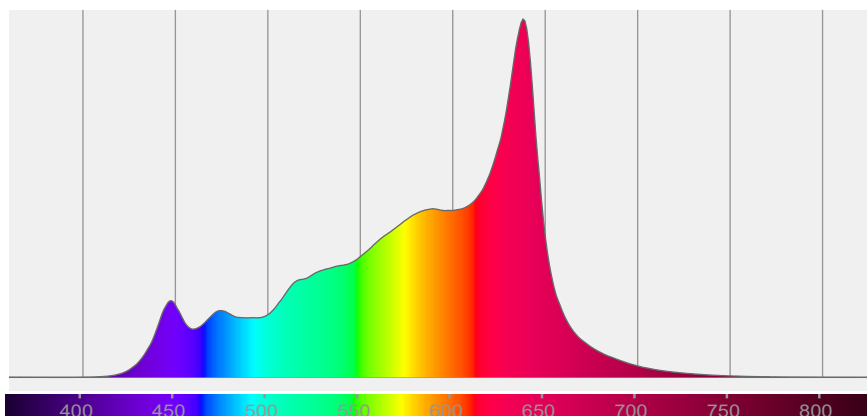


Beam angle 50%: 23,4°

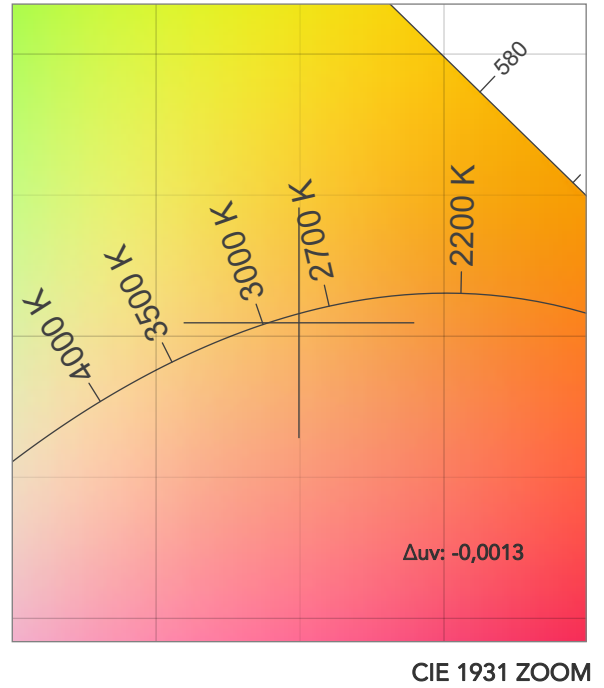
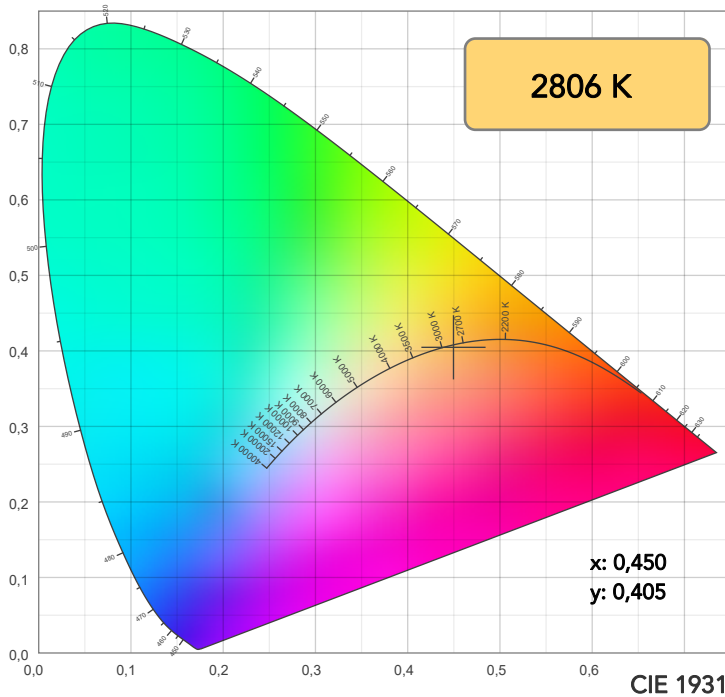
Field angle 10%: 43,2°

Cut off angle 2.5%: 49,7°

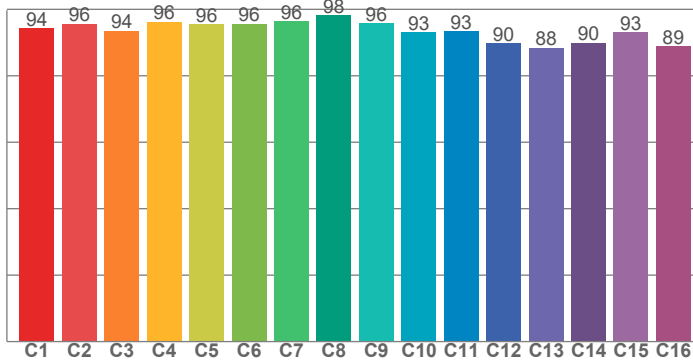
Spectra



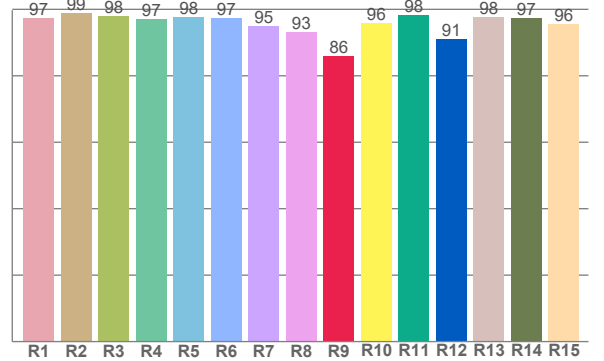
COLOR DETAILS



TM30: 93,8



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
97,4	98,8	97,9	97,1	97,7	97,2	95,0	93,2	85,9	95,7	98,1	91,0	97,6	97,5	95,6

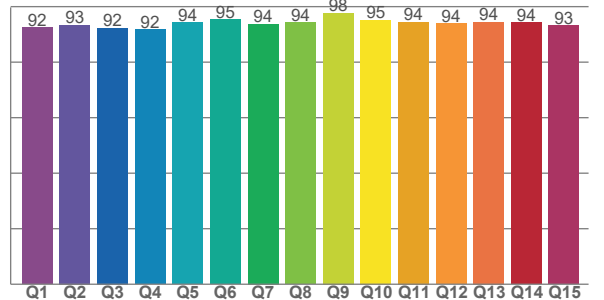
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,2	95,6	93,6	96,2	95,5	95,6	96,4	98,2	95,9	93,1	93,4	89,7	88,4	89,9	93,1	88,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,4	93,4	92,3	91,7	94,3	95,3	93,8	94,2	97,6	95,2	94,4	94,0	94,5	94,2	93,1

CQS: 93,8



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2806 K	96,8	85,9	93,8	100,1	93,8	88	0,450	0,405	-0,0013

TM30 DETAILS

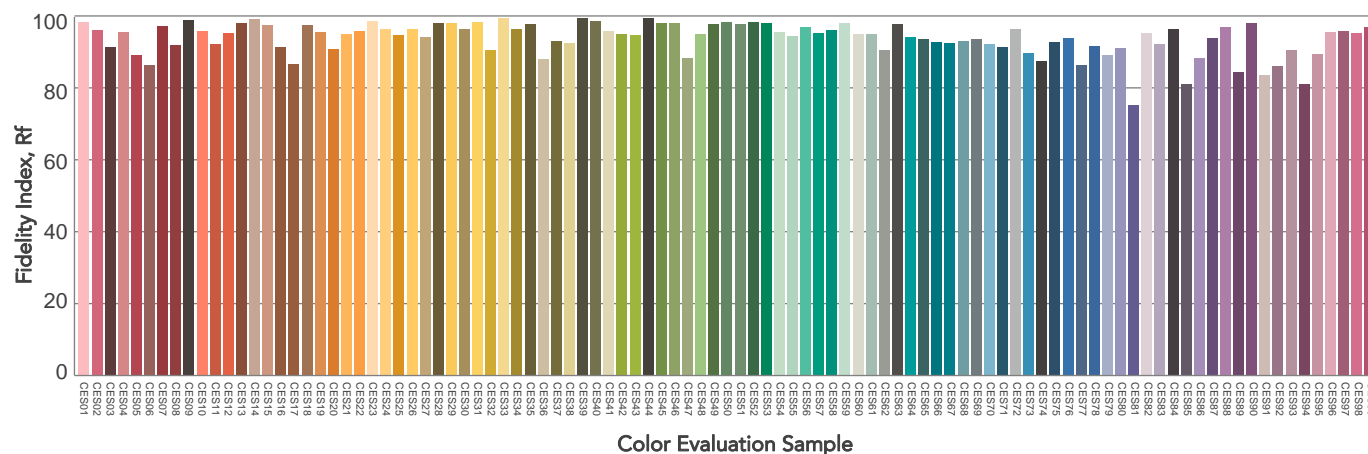
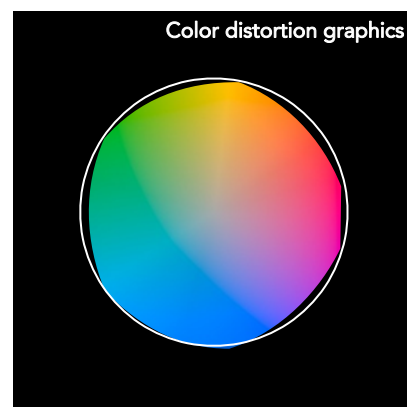
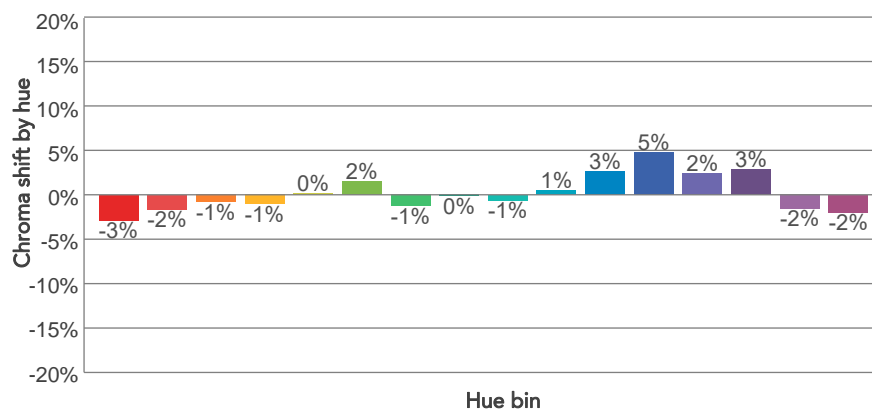
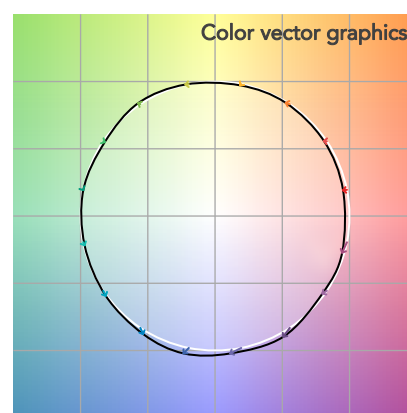
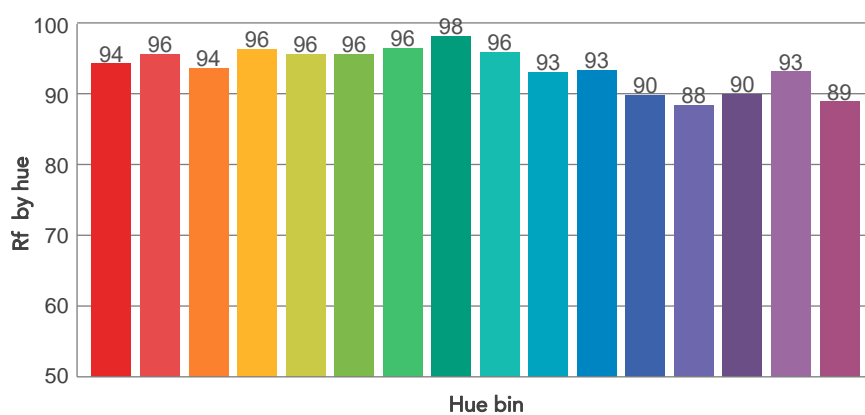
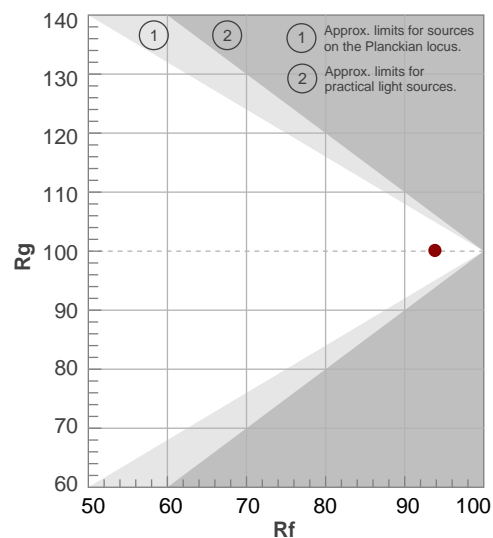
Rf 93,8

Fidelity index R_f

Rg 100,1

Gammut index

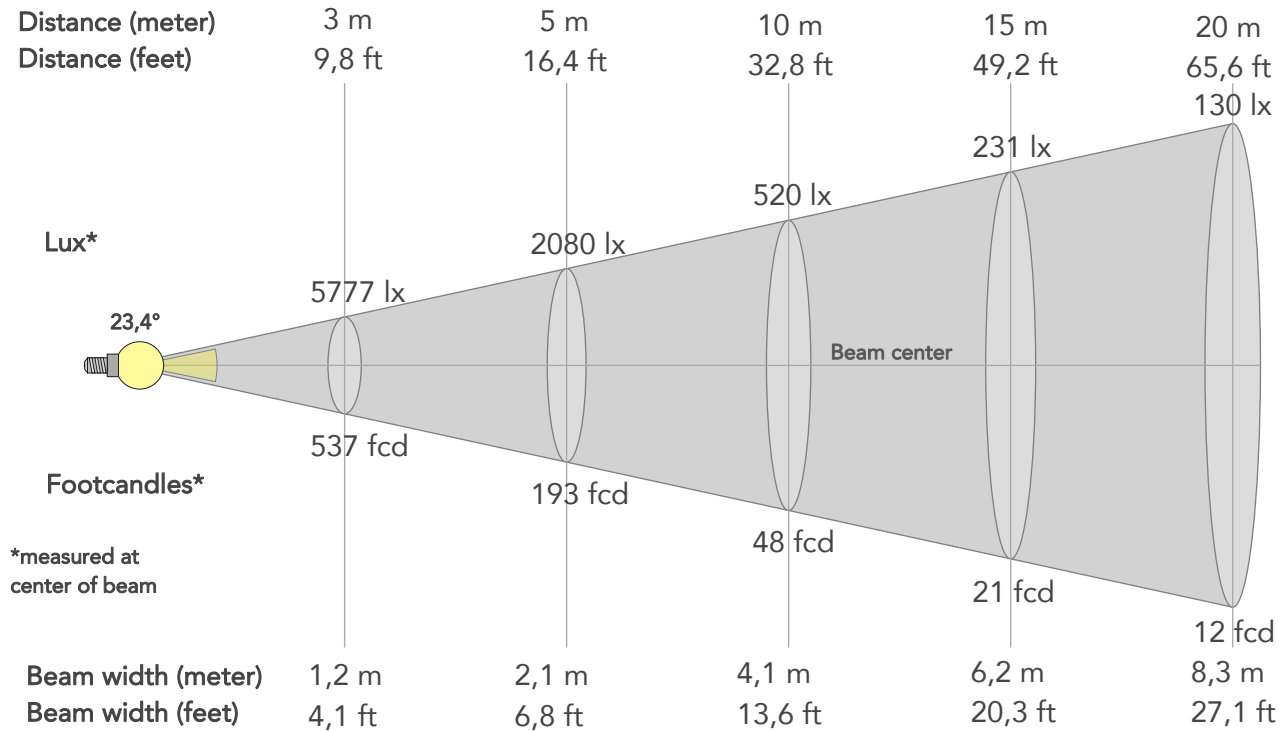
		Graphic shifts (%)	
Hue Bin	R_i	Chroma	Hue
1	94	-3%	0%
2	96	-2%	1%
3	94	-1%	3%
4	96	-1%	1%
5	96	0%	2%
6	96	2%	1%
7	96	-1%	0%
8	98	0%	0%
9	96	-1%	2%
10	93	1%	4%
11	93	3%	4%
12	90	5%	-3%
13	88	2%	-9%
14	90	3%	-8%
15	93	-2%	-4%
16	89	-2%	-8%



BEAM DETAILS



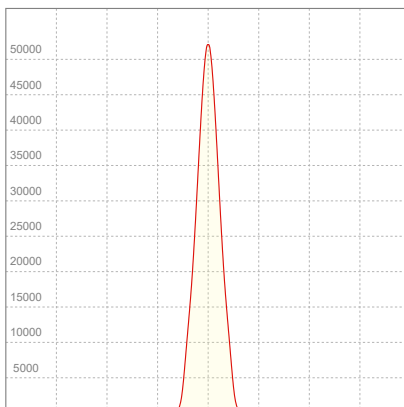
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	43,2°	49,7°	99,7%	98,9%



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	51994lx	12999lx	5777lx	3250lx	2080lx	924lx	520lx	231lx	130lx	83lx	58lx	32lx	21lx
Footcand.	4830fcd	1208fcd	537fcd	302fcd	193fcd	86fcd	48fcd	21fcd	12fcd	8fcd	5fcd	3fcd	2fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,3m	12,4m	16,5m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,3ft	27,1ft	33,9ft	40,7ft	54,2ft	67,8ft

LINEAR DISTRIBUTION DIAGRAM

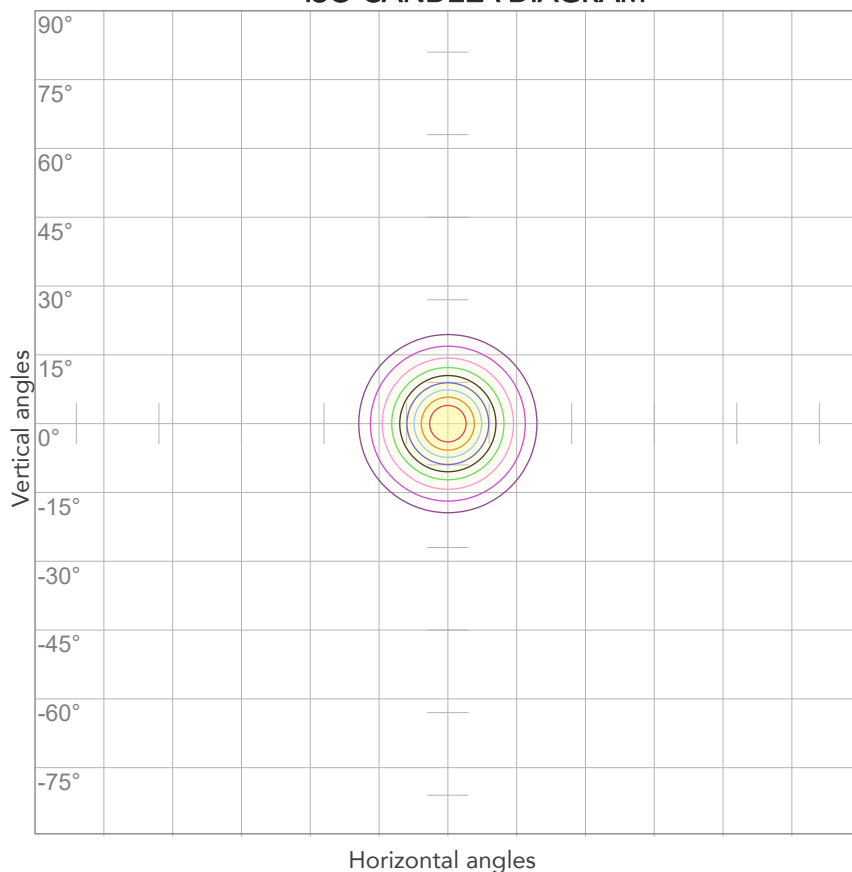


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	1,84A	411,1W	1,0	24lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



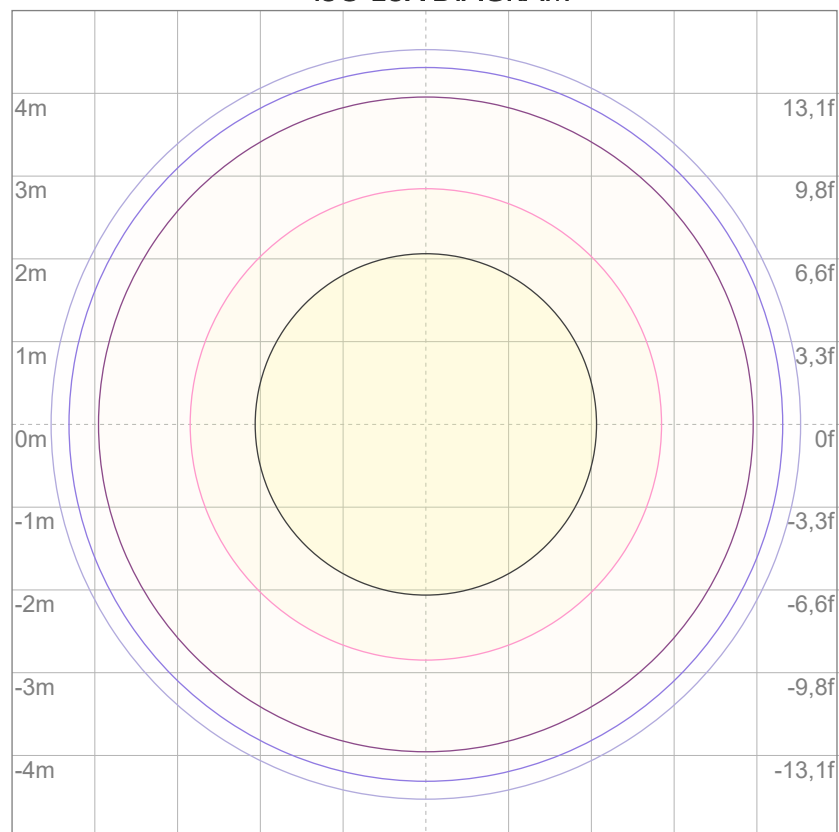
10%	5199 cd
20%	10399 cd
30%	15598 cd
40%	20798 cd
50%	25997 cd
60%	31197 cd
70%	36396 cd
80%	41595 cd

Conditions:

Number of c-planes: 2

Candela at center: 51994 cd

ISO LUX DIAGRAM



3%	15,6 lx
5%	26,0 lx
10%	52,0 lx
30%	156 lx
50%	260 lx

Conditions:

Number of c-planes: 2

Lux at center: 520 lx

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



Total lumen output:

5797 lm

Peak candela output:

149898 cd

Light quality:

CRI: 96,8

Color temperature:

2799 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

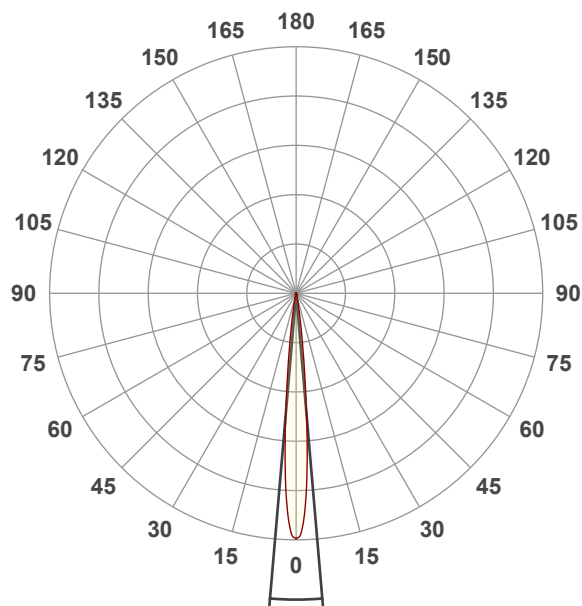
2800K - HQ

Operator:

Salvatore Giglio

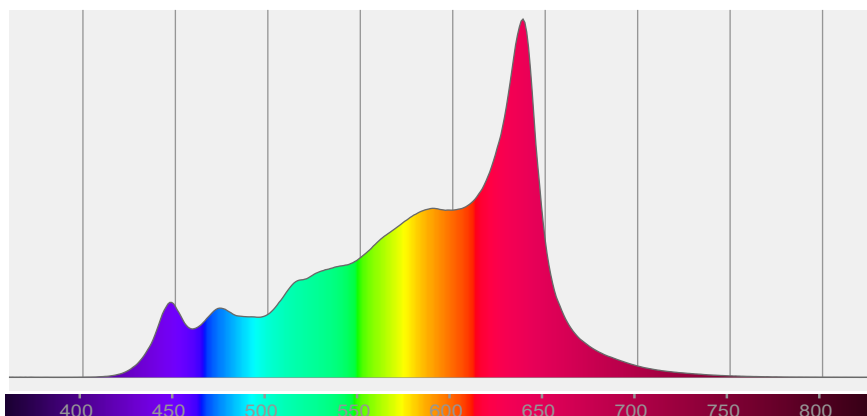
Date and time:

25/03/2025 17:04:32

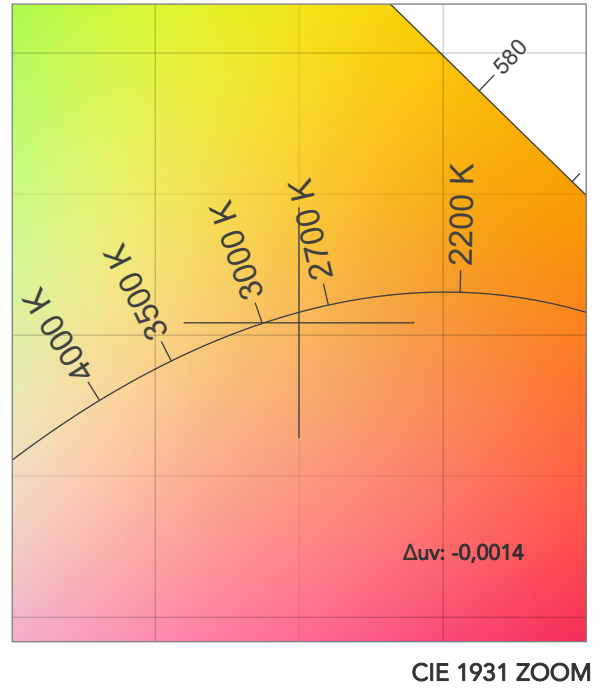
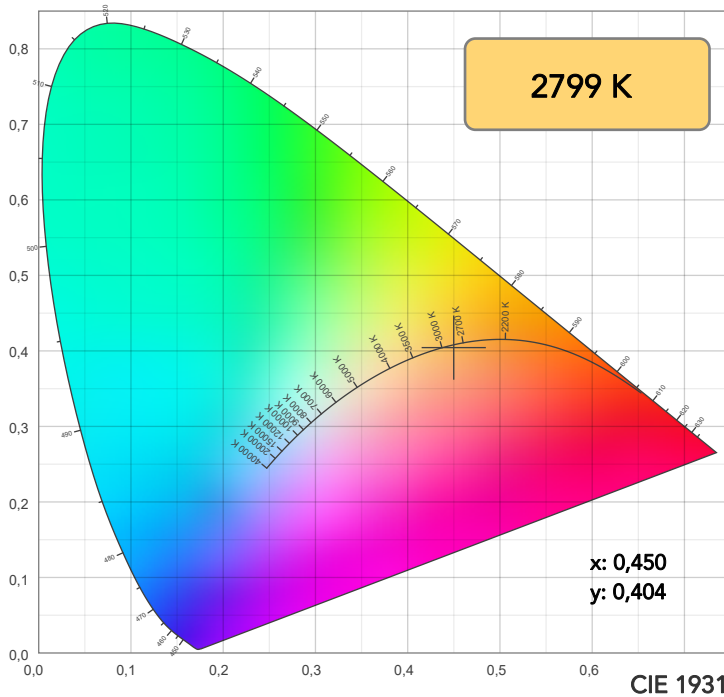


Beam angle 50%: 9,8°
Field angle 10%: 17,9°
Cut off angle 2.5%: 25°

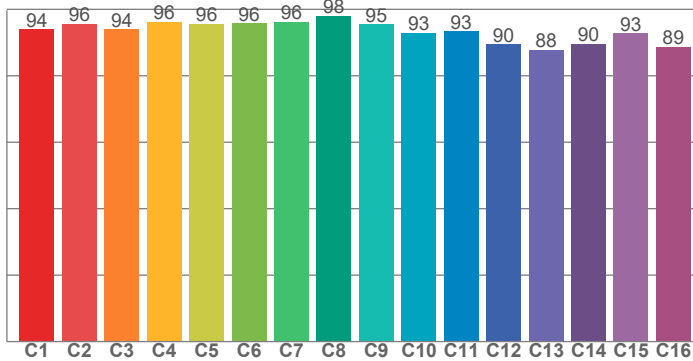
Spectra



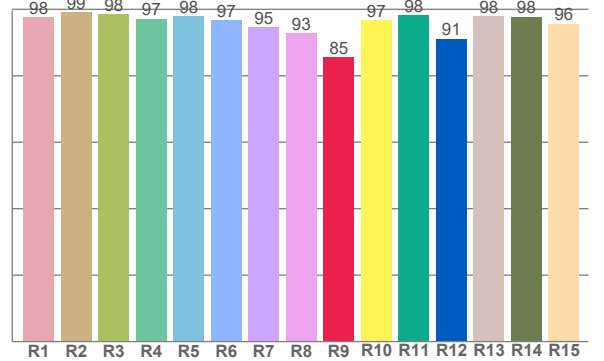
COLOR DETAILS



TM30: 93,7



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
97,7	99,2	98,5	97,2	98,0	96,8	94,6	92,9	85,5	96,7	98,3	91,2	98,0	97,8	95,7

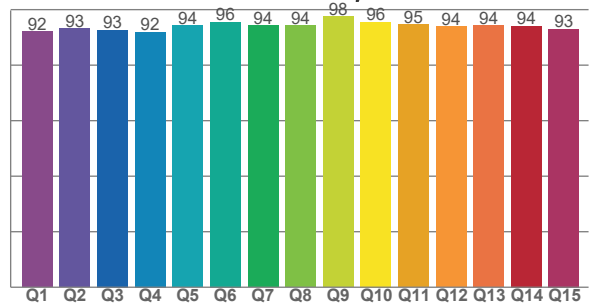
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,0	95,6	93,9	96,3	95,6	95,7	96,2	98,0	95,5	92,9	93,5	89,5	87,8	89,6	92,9	88,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,1	93,1	92,7	91,9	94,2	95,5	94,2	94,3	97,5	95,5	94,6	94,0	94,3	94,1	92,9

CQS: 93,8



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2799 K	96,8	85,5	93,7	99,9	93,8	88	0,450	0,404	-0,0014

TM30 DETAILS

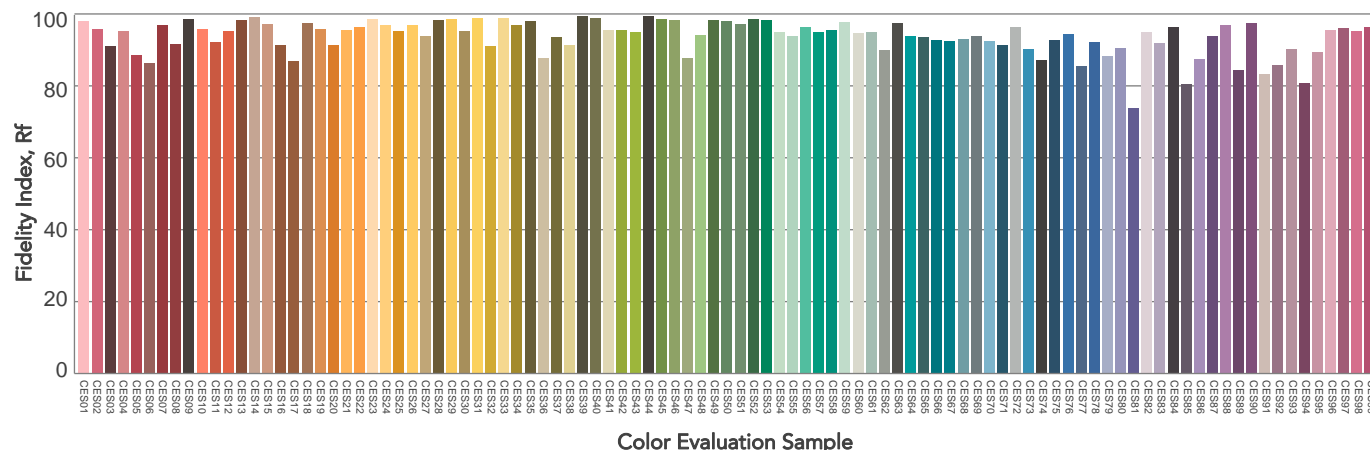
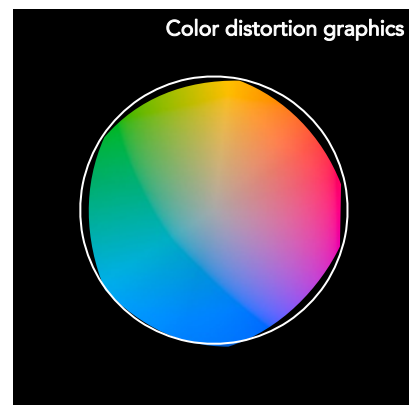
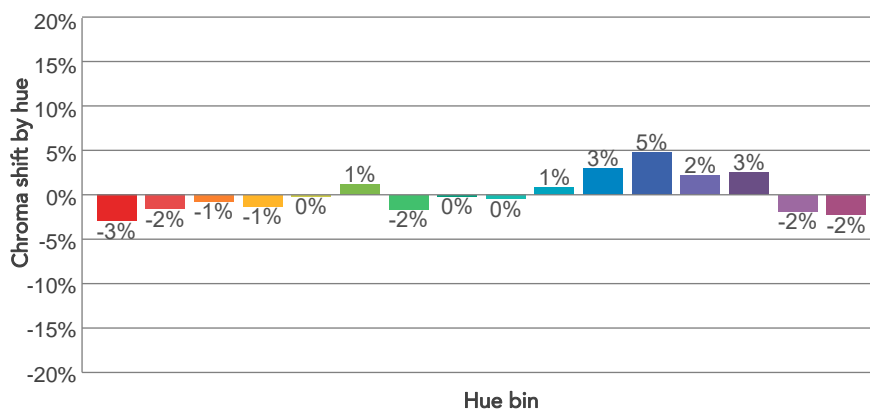
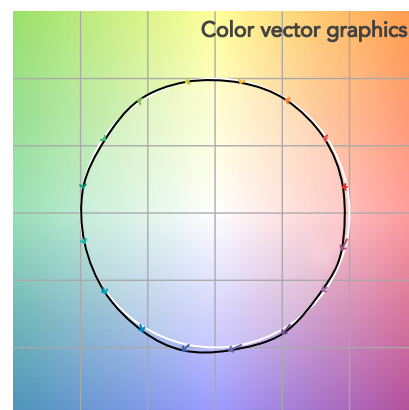
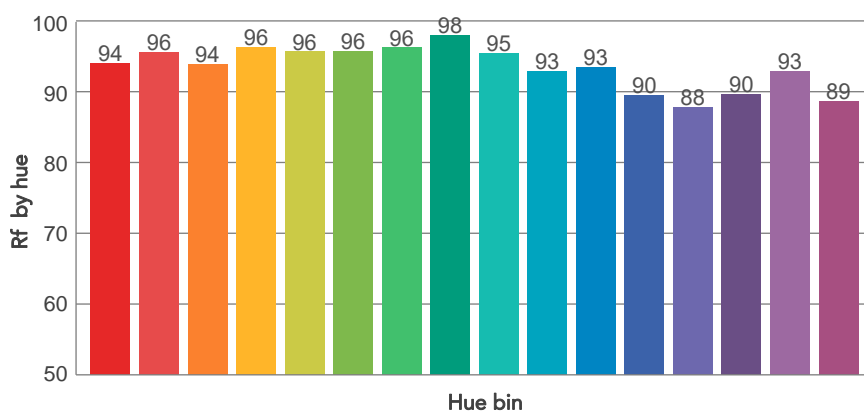
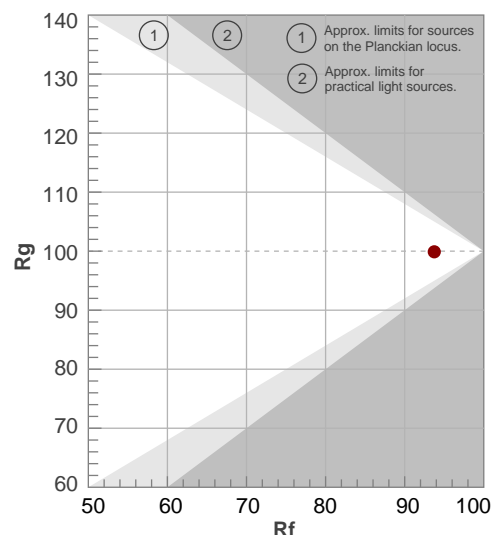
Rf 93,7

Fidelity index Rf

Rg 99,9

Gammut index

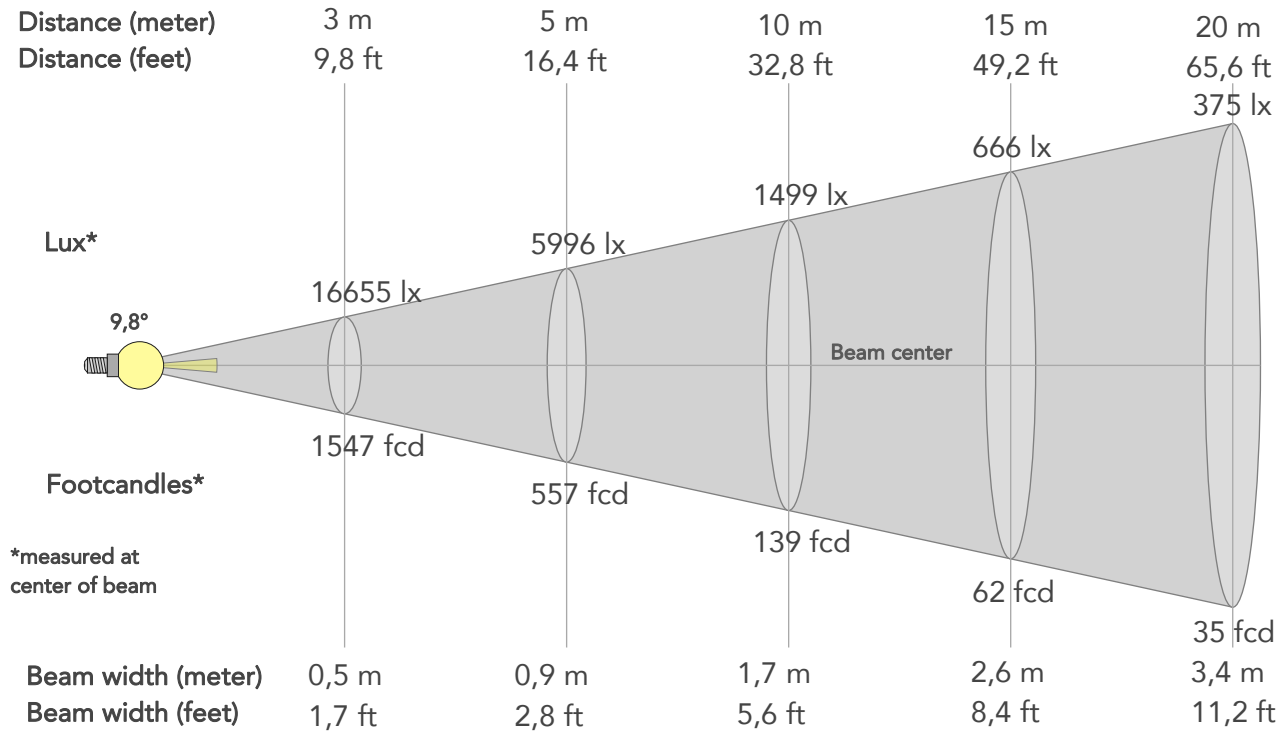
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-3%	0%
2	96	-2%	1%
3	94	-1%	3%
4	96	-1%	0%
5	96	0%	2%
6	96	1%	1%
7	96	-2%	0%
8	98	0%	1%
9	95	0%	3%
10	93	1%	4%
11	93	3%	4%
12	90	5%	-4%
13	88	2%	-9%
14	90	3%	-8%
15	93	-2%	-3%
16	89	-2%	-8%



BEAM DETAILS



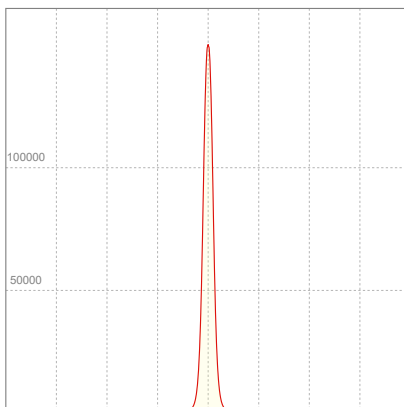
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,8°	17,9°	25°	99,7%	98,4%



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	149898lx	37475lx	16655lx	9369lx	5996lx	2665lx	1499lx	666lx	375lx	240lx	167lx	94lx	60lx
Footcand.	13926fcd	3481fcd	1547fcd	870fcd	557fcd	248fcd	139fcd	62fcd	35fcd	22fcd	15fcd	9fcd	6fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,4m	4,3m	5,1m	6,9m	8,6m
Beam wid.	0,6ft	1,1ft	1,7ft	2,2ft	2,8ft	4,2ft	5,6ft	8,4ft	11,2ft	14,1ft	16,9ft	22,5ft	28,1ft

LINEAR DISTRIBUTION DIAGRAM

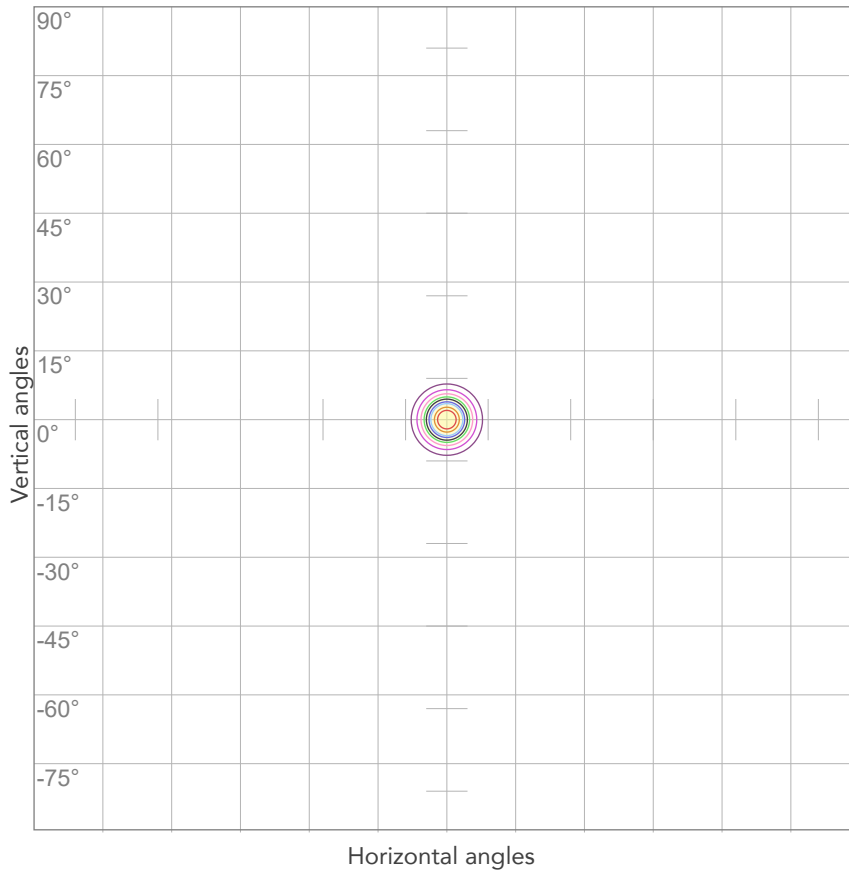


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	1,82A	409W	1,0	14lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



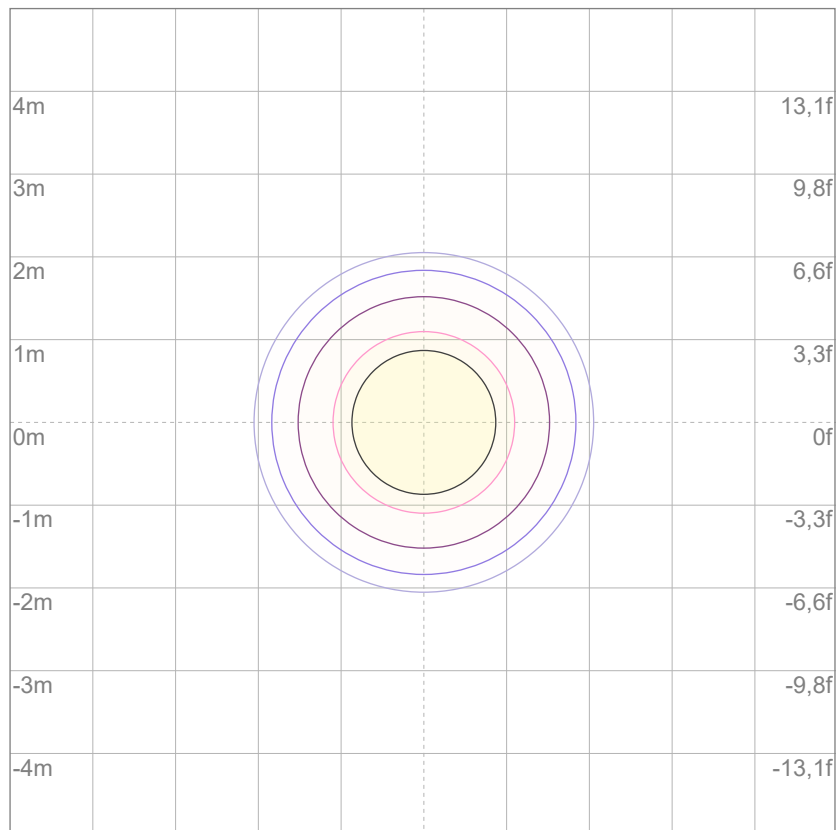
10%	14990 cd
20%	29980 cd
30%	44969 cd
40%	59959 cd
50%	74949 cd
60%	89939 cd
70%	104929 cd
80%	119918 cd

Conditions:

Number of c-planes: 2

Candela at center: 149898 cd

ISO LUX DIAGRAM



3%	45,0 lx
5%	74,9 lx
10%	150 lx
30%	450 lx
50%	749 lx

Conditions:

Number of c-planes: 2

Lux at center: 1499 lx

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



Total lumen output:

13540 lm

Peak candela output:

17835 cd

Light quality:

CRI: 97,8

Color temperature:

3209 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

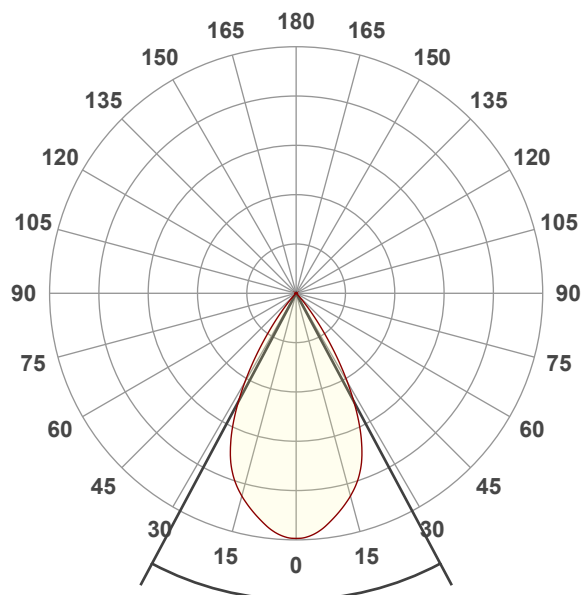
3200K - HQ

Operator:

Salvatore Giglio

Date and time:

25/03/2025 16:15:29

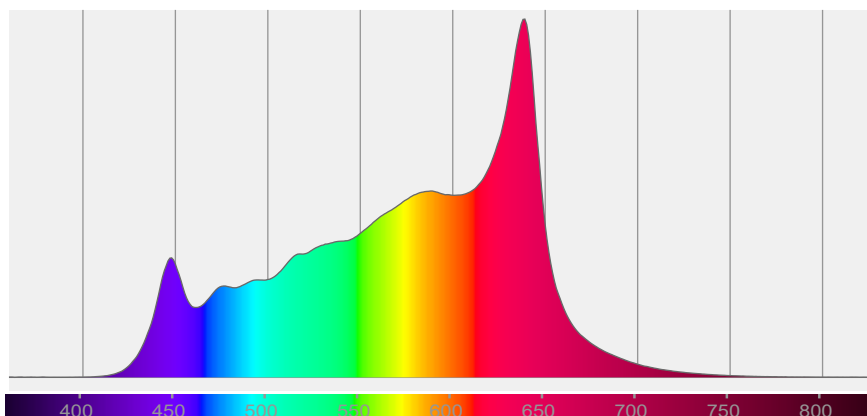


Beam angle 50%: 56,1°

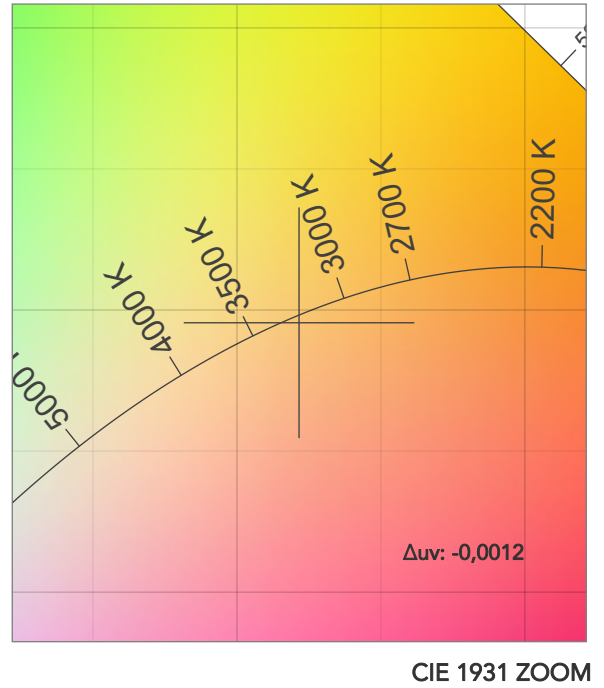
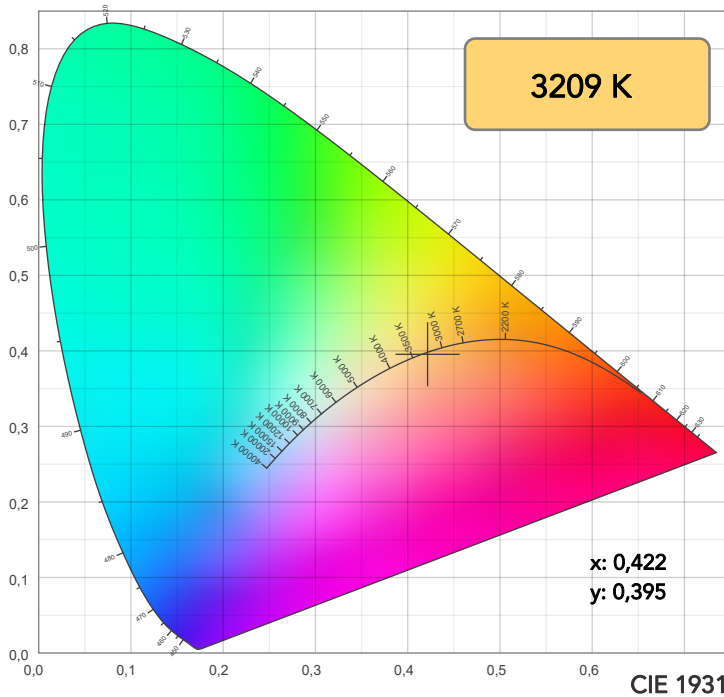
Field angle 10%: 76,8°

Cut off angle 2.5%: 85,5°

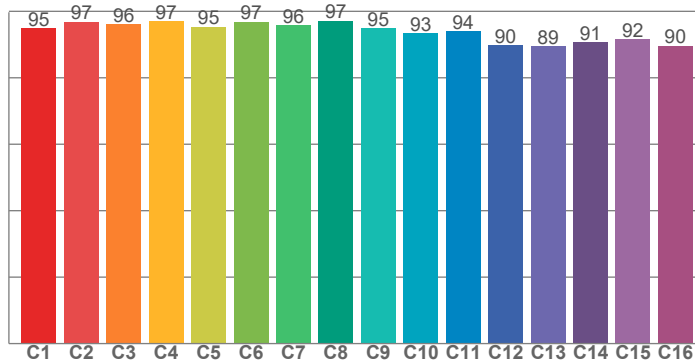
Spectra



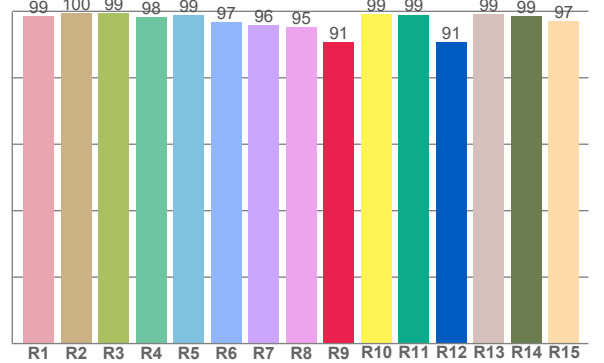
COLOR DETAILS



TM30: 94,4



CRI: 97,8 (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
98,6	99,6	99,3	98,2	98,8	96,6	95,8	95,3	90,8	99,1	99,0	90,6	99,1	98,6	97,1

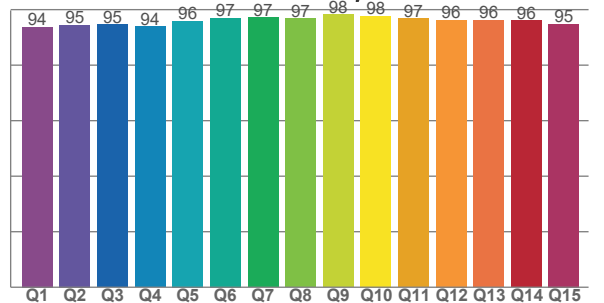
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,0	96,8	96,2	97,1	95,4	96,8	95,8	97,2	94,8	93,4	93,9	89,8	89,5	90,7	91,6	89,6

CQS Q values

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

CQS: 95,7



COLOR PARAMETERS

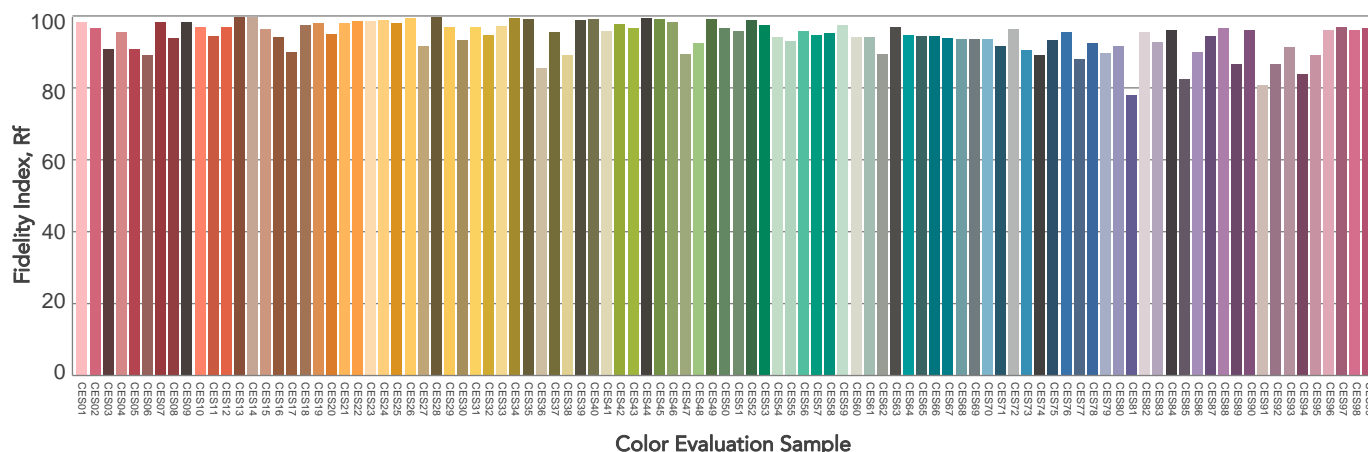
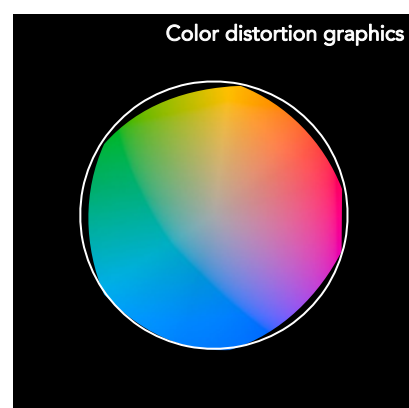
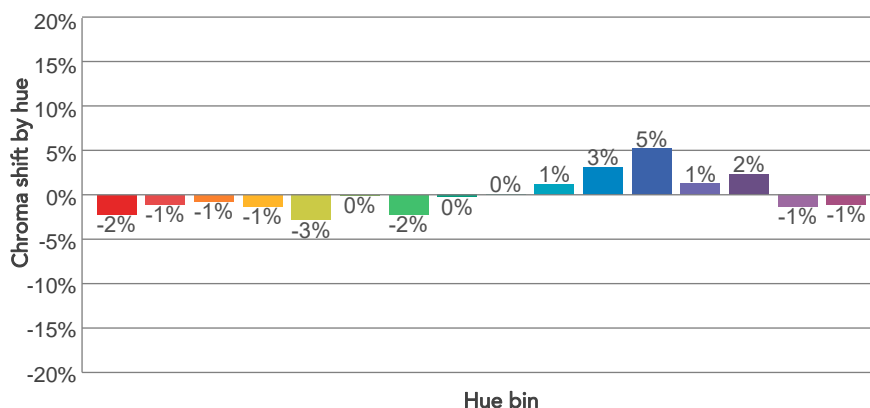
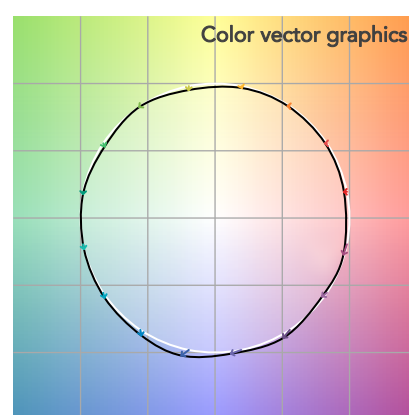
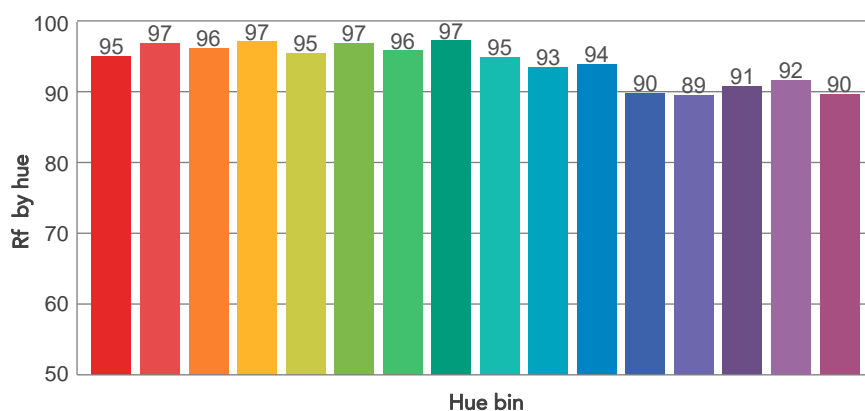
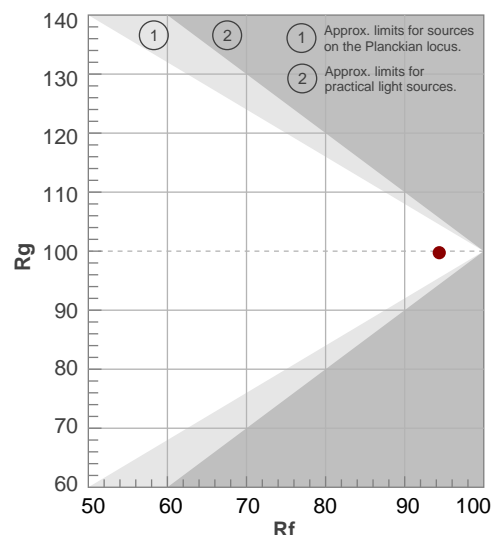
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3209 K	97,8	90,8	94,4	99,7	95,7	91	0,422	0,395	-0,0012

TM30 DETAILS

Rf 94,4
Fidelity index Rf

Rg 99,7
Gammut index

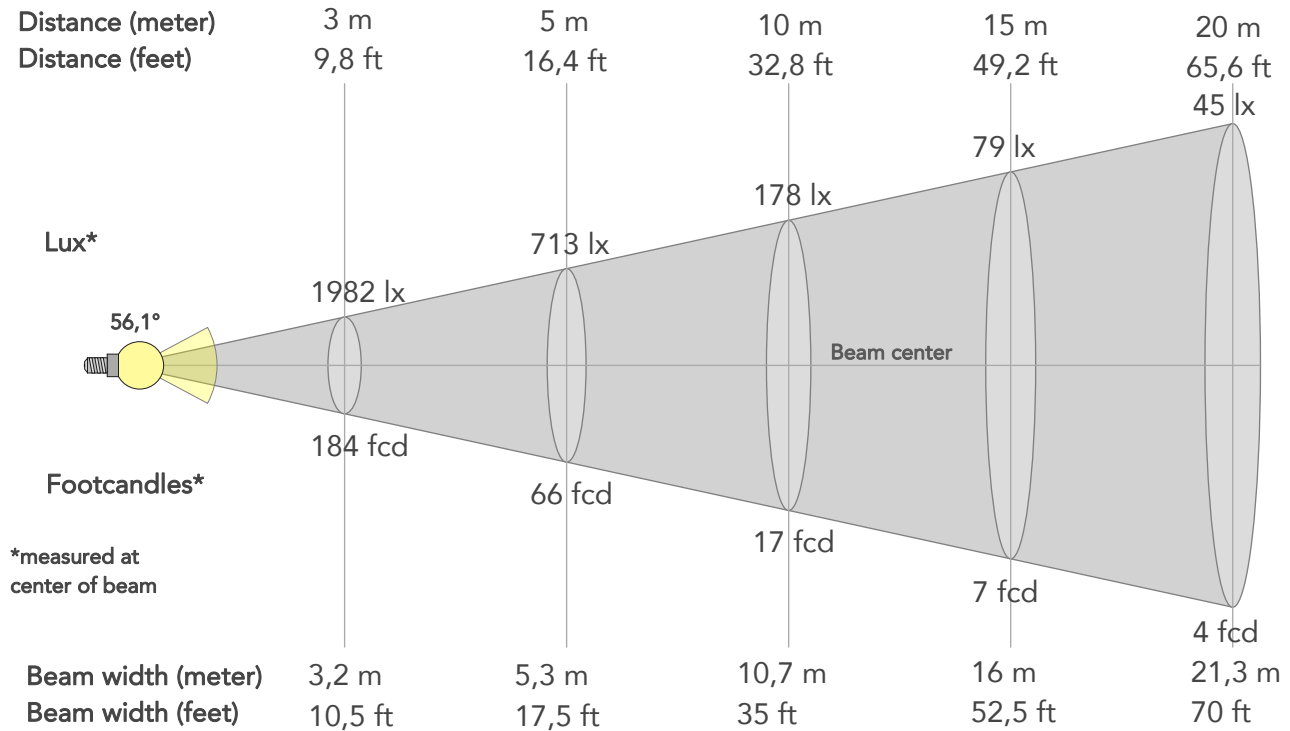
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	97	-1%	1%
3	96	-1%	1%
4	97	-1%	-1%
5	95	-3%	1%
6	97	0%	1%
7	96	-2%	1%
8	97	0%	2%
9	95	0%	4%
10	93	1%	4%
11	94	3%	3%
12	90	5%	-5%
13	89	1%	-8%
14	91	2%	-7%
15	92	-1%	-4%
16	90	-1%	-8%



BEAM DETAILS



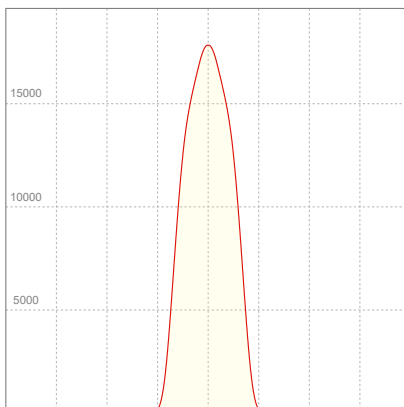
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,1°	76,8°	85,5°	99,8%	99,2%



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	17835lx	4459lx	1982lx	1115lx	713lx	317lx	178lx	79lx	45lx	29lx	20lx	11lx	7lx
Footcand.	1657fcd	414fcd	184fcd	104fcd	66fcd	29fcd	17fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	1,1m	2,1m	3,2m	4,3m	5,3m	8m	10,7m	16m	21,3m	26,7m	32m	42,7m	53,3m
Beam wid.	3,5ft	7ft	10,5ft	14ft	17,5ft	26,2ft	35ft	52,5ft	70ft	87,4ft	104,9ft	139,9ft	174,9ft

LINEAR DISTRIBUTION DIAGRAM

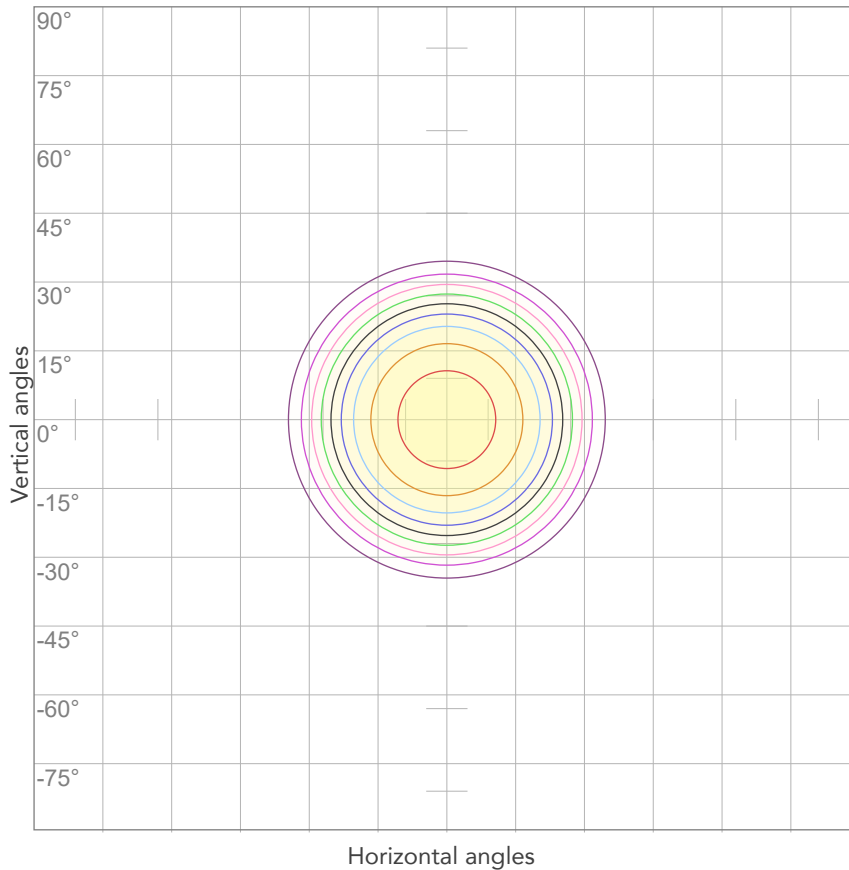


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
223V	2,13A	472,9W	1,0	29lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



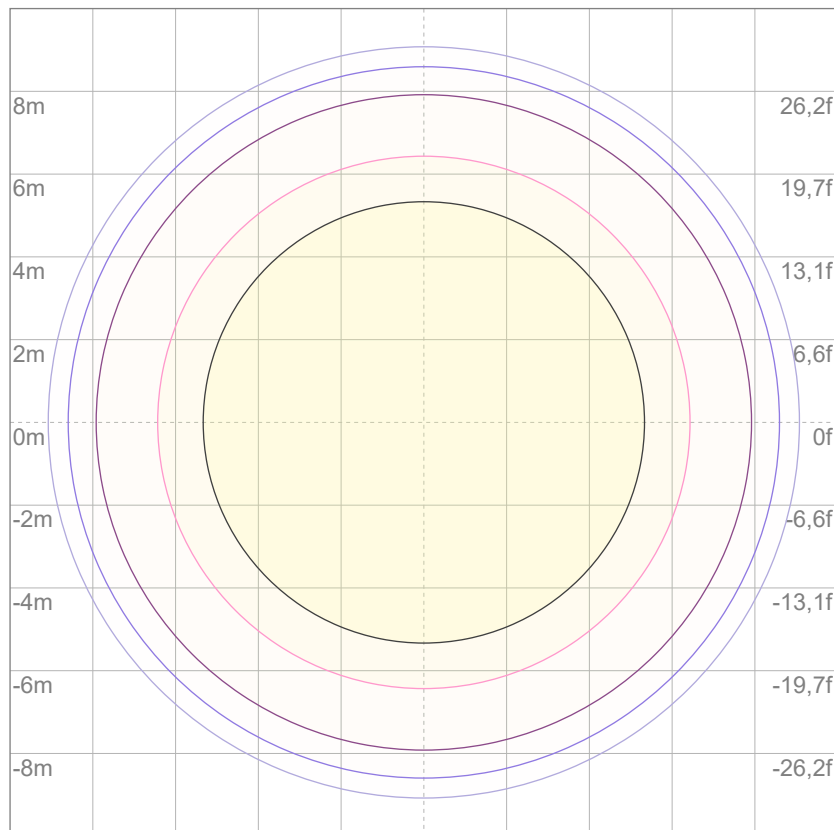
10%	1783 cd
20%	3567 cd
30%	5350 cd
40%	7134 cd
50%	8917 cd
60%	10701 cd
70%	12484 cd
80%	14268 cd

Conditions:

Number of c-planes: 2

Candela at center: 17835 cd

ISO LUX DIAGRAM



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

Conditions:

Number of c-planes: 2

Lux at center: 178 lx

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



Total lumen output:

11460 lm

Peak candela output:

60250 cd

Light quality:

CRI: 97,8

Color temperature:

3230 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

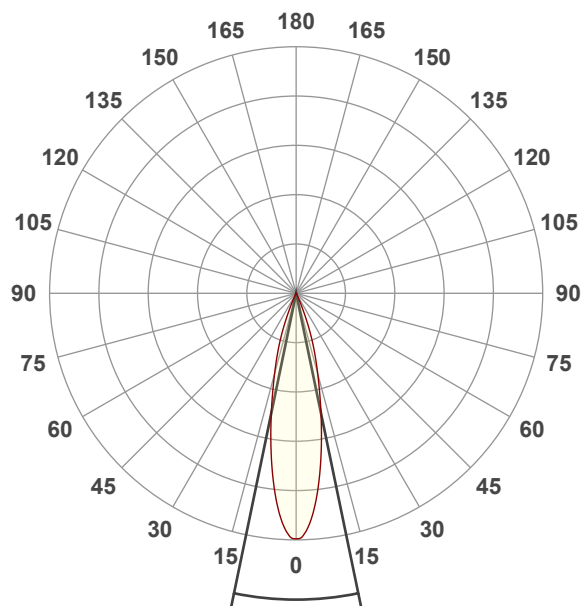
3200K - HQ

Operator:

Salvatore Giglio

Date and time:

25/03/2025 15:13:39

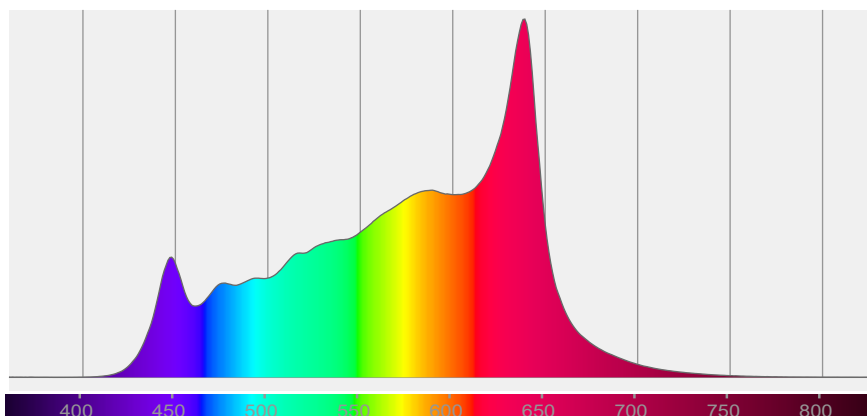


Beam angle 50%: 23,4°

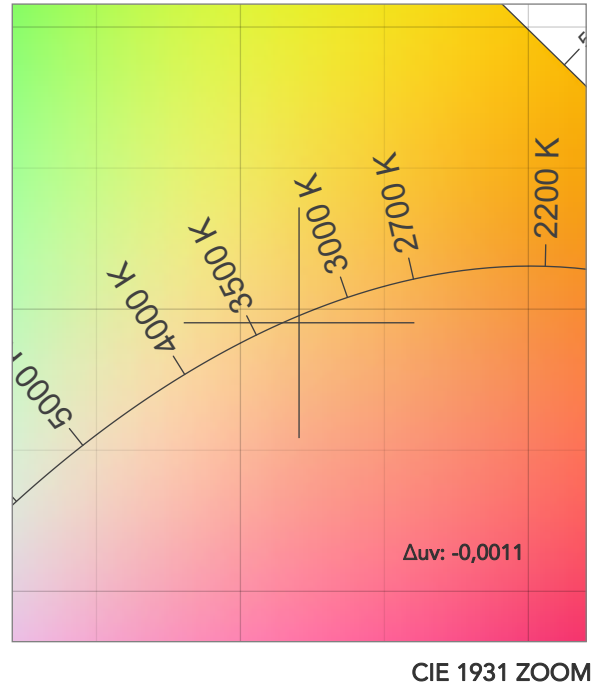
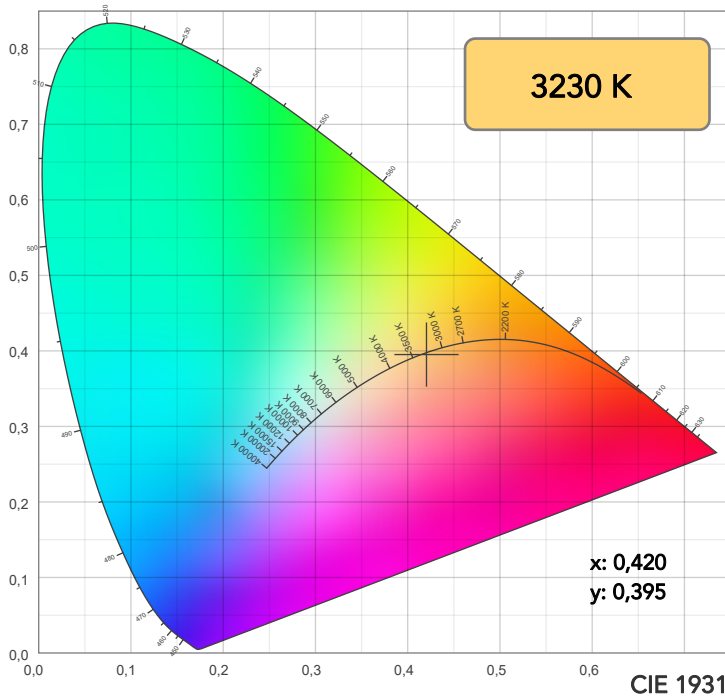
Field angle 10%: 43,2°

Cut off angle 2.5%: 49,8°

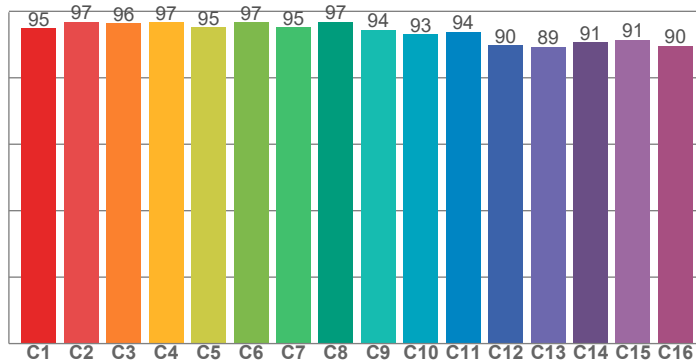
Spectra



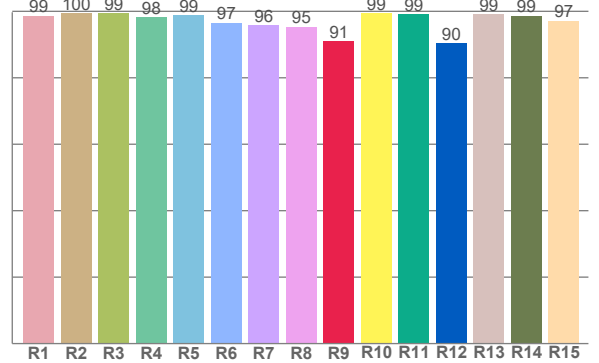
COLOR DETAILS



TM30: 94,2



CRI: 97,8 (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
98,7	99,5	99,4	98,1	98,8	96,6	95,8	95,4	91,1	99,3	99,1	90,4	99,2	98,7	97,2

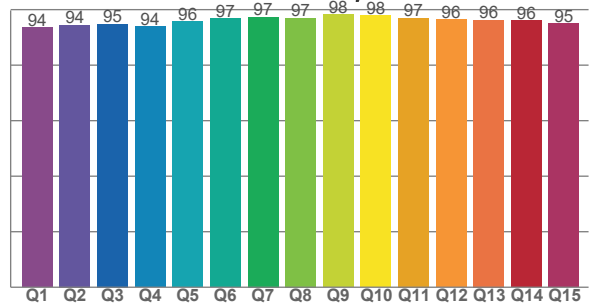
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 95,7



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
3230 K	97,8	91,1	94,2	99,6	95,7	91	0,420	0,395	-0,0011

TM30 DETAILS

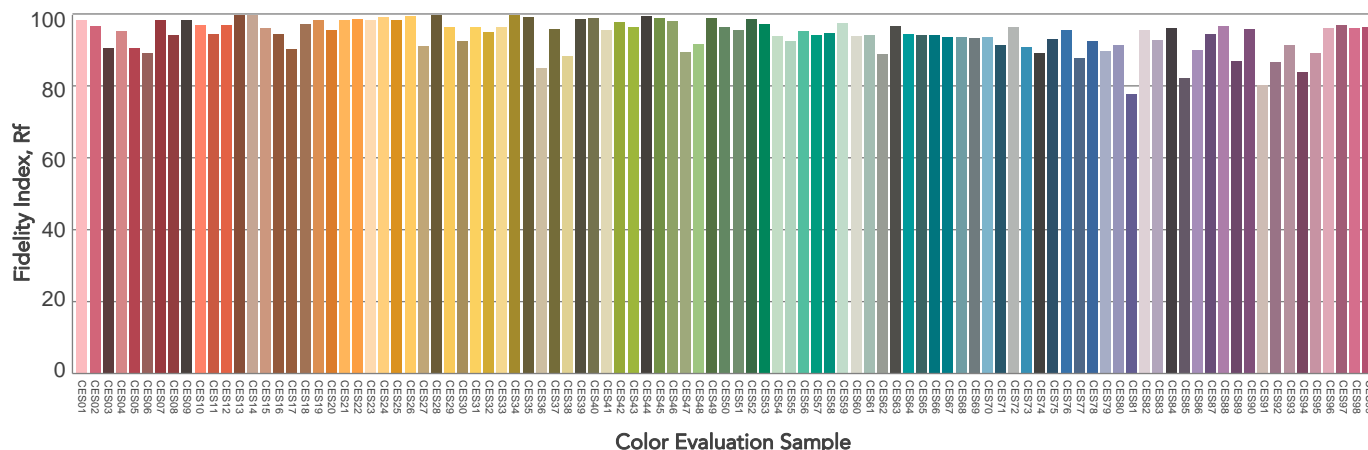
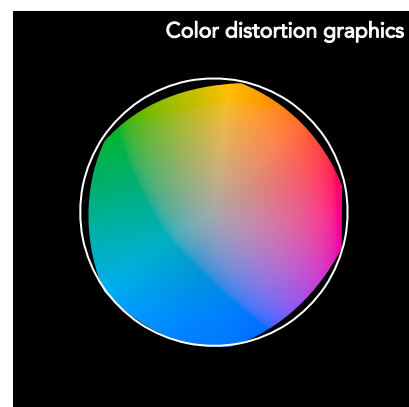
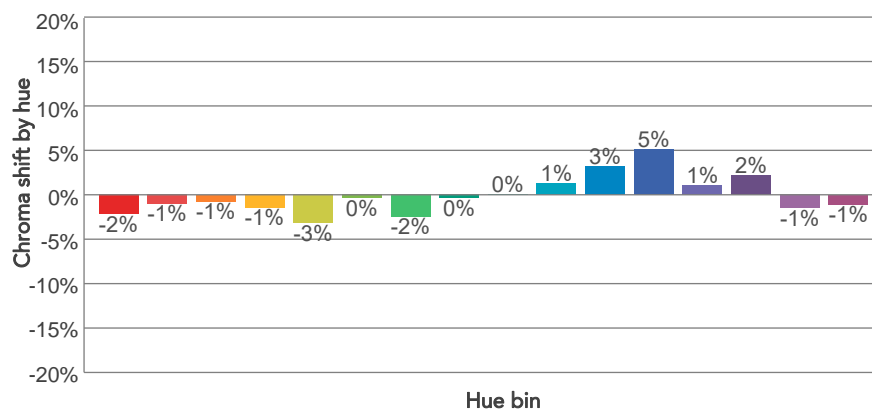
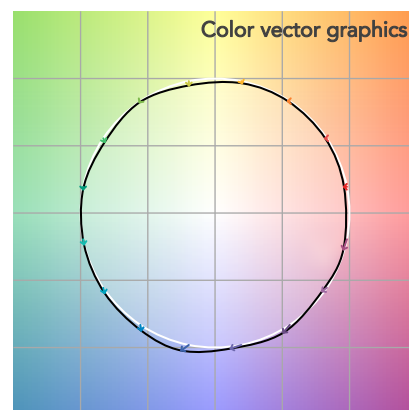
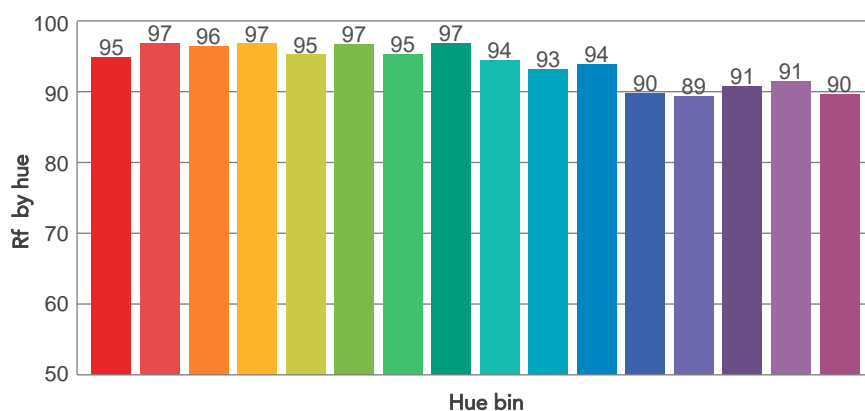
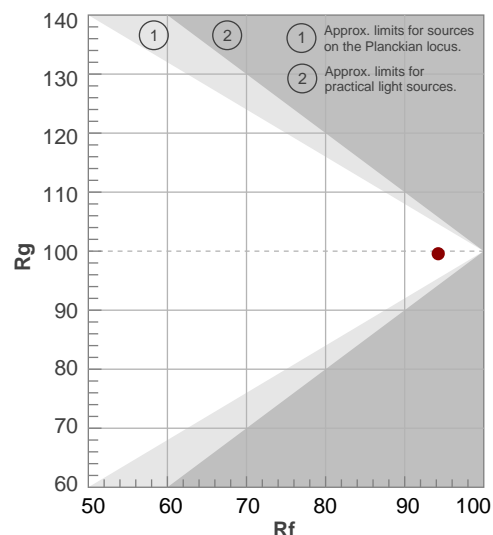
Rf 94,2

Fidelity index Rf

Rg 99,6

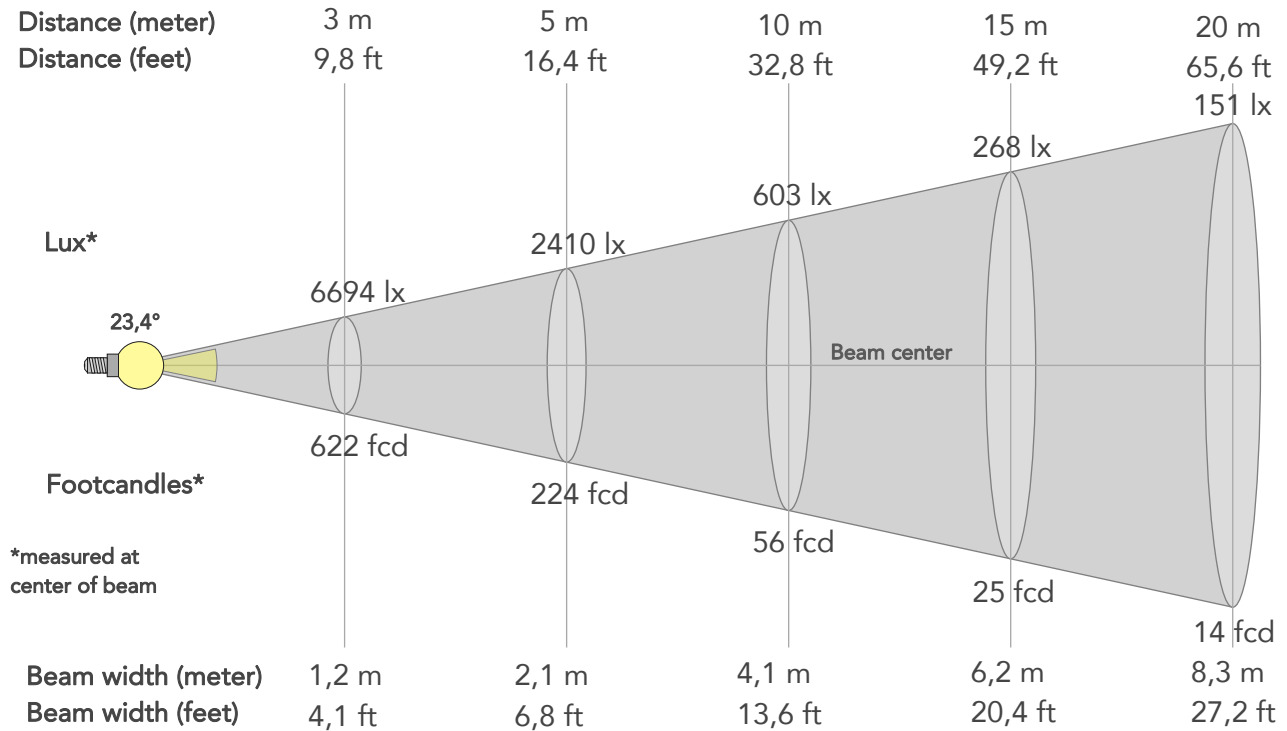
Gammut index

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



BEAM DETAILS

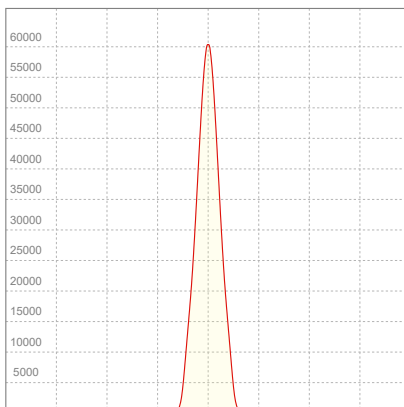
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	43,2°	49,8°	99,7%	98,9%



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	60250lx	15063lx	6694lx	3766lx	2410lx	1071lx	603lx	268lx	151lx	96lx	67lx	38lx	24lx
Footcand.	5597fcd	1399fcd	622fcd	350fcd	224fcd	100fcd	56fcd	25fcd	14fcd	9fcd	6fcd	3fcd	2fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,4m	12,4m	16,6m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34ft	40,8ft	54,4ft	68ft

LINEAR DISTRIBUTION DIAGRAM

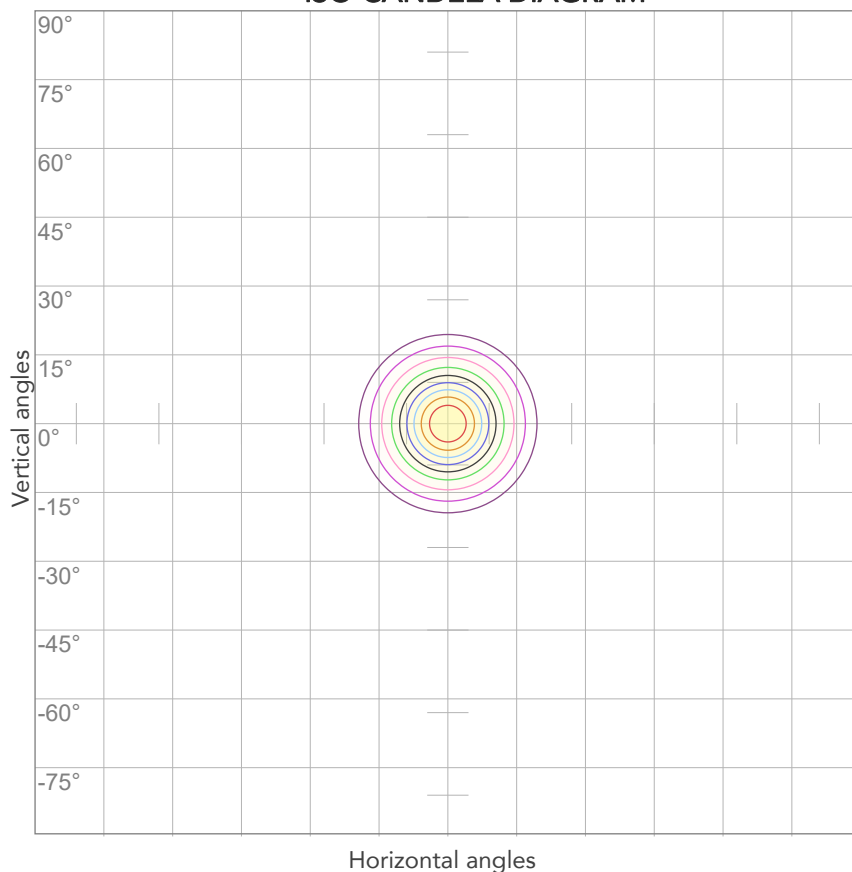


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	2,13A	475,7W	1,0	24lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



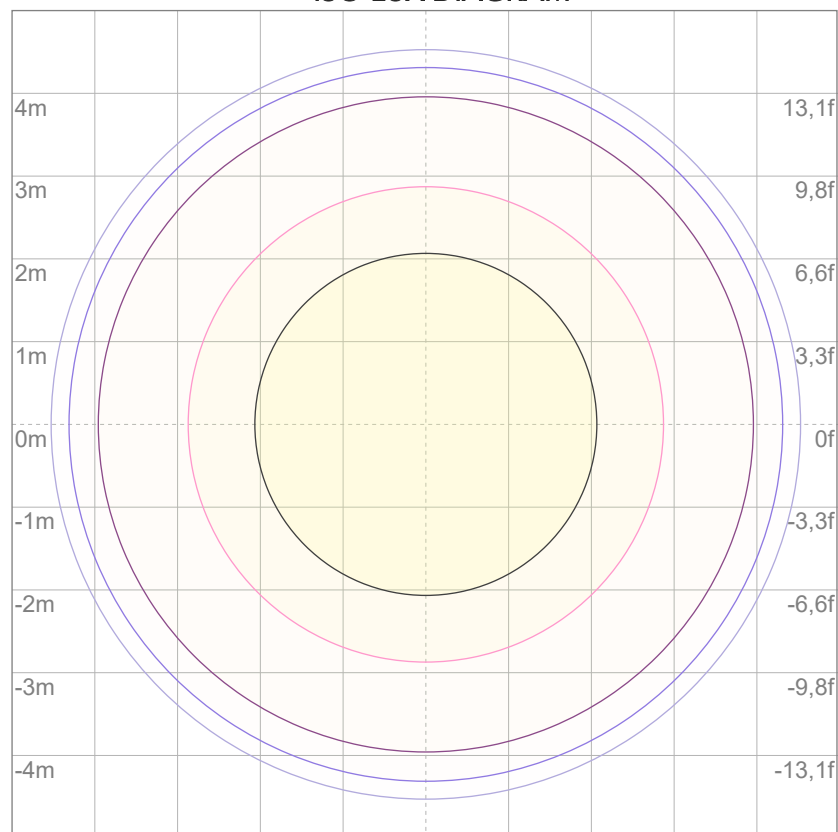
10%	6025 cd
20%	12050 cd
30%	18075 cd
40%	24100 cd
50%	30125 cd
60%	36150 cd
70%	42175 cd
80%	48200 cd

Conditions:

Number of c-planes: 2

Candela at center: 60250 cd

ISO LUX DIAGRAM



3%	18,1 lx
5%	30,1 lx
10%	60,3 lx
30%	181 lx
50%	301 lx

Conditions:

Number of c-planes: 2

Lux at center: 603 lx

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



Total lumen output:

6739 lm

Peak candela output:

173142 cd

Light quality:

CRI: 97,6

Color temperature:

3219 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

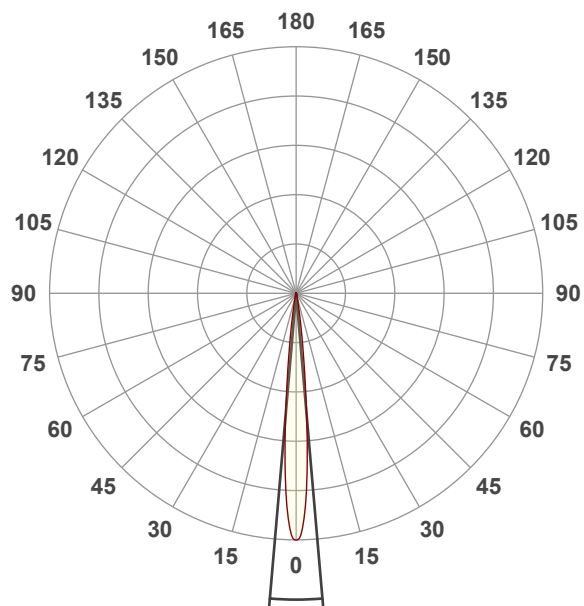
3200K - HQ

Operator:

Salvatore Giglio

Date and time:

25/03/2025 16:58:14

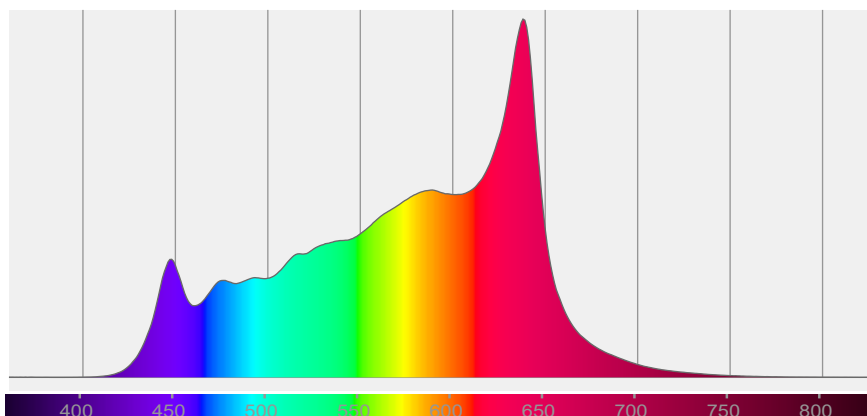


Beam angle 50%: 9,8°

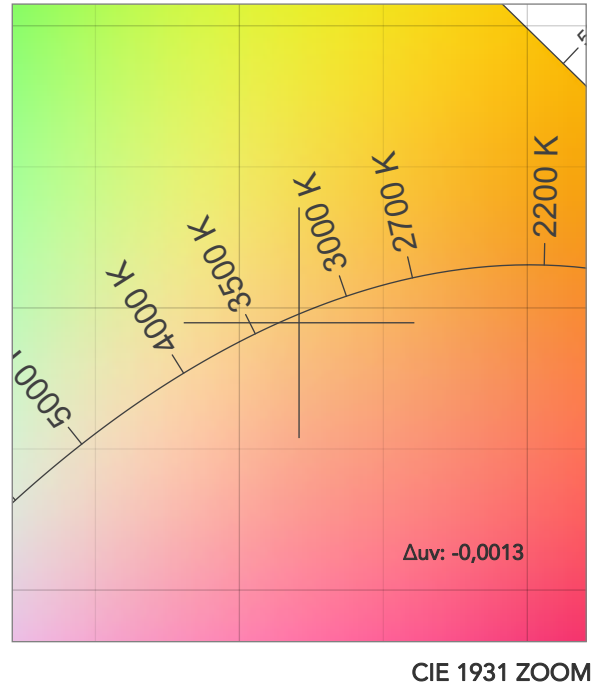
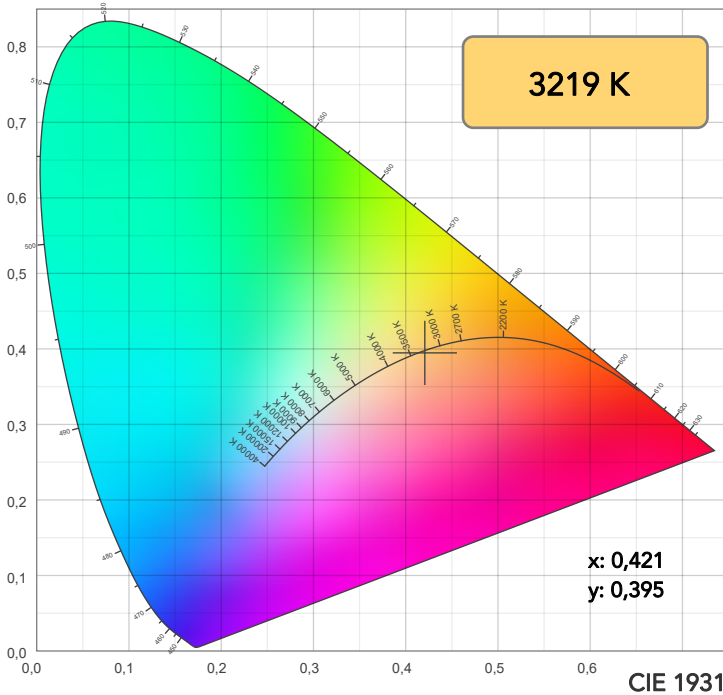
Field angle 10%: 18°

Cut off angle 2.5%: 25°

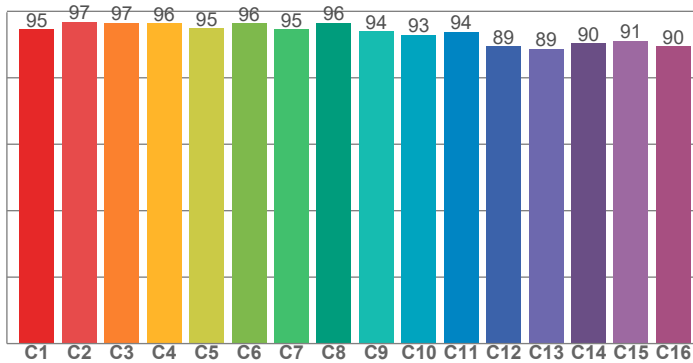
Spectra



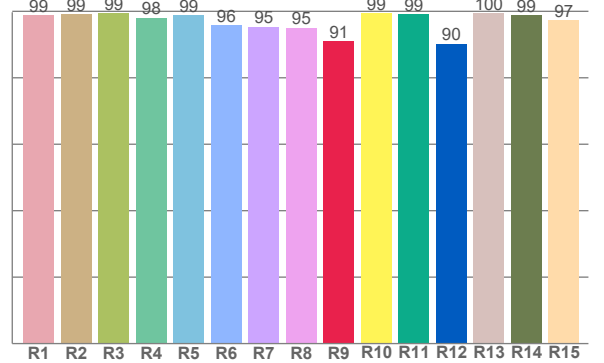
COLOR DETAILS



TM30: 94,0



CRI: 97,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,9	99,1	99,5	98,1	98,8	95,9	95,4	95,1	91,0	99,5	99,0	90,3	99,5	98,9	97,4

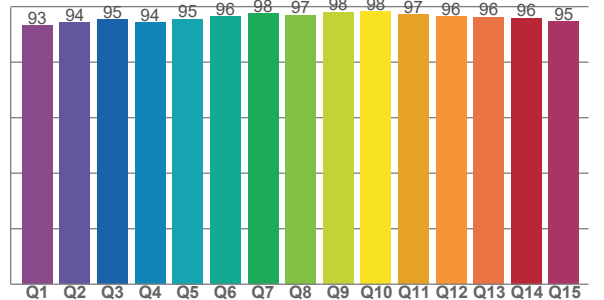
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,7	96,8	96,6	96,4	95,0	96,4	94,7	96,5	94,1	93,0	93,9	89,4	88,8	90,5	91,2	89,5

CQS Q values

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

CQS: 95,6



COLOR PARAMETERS

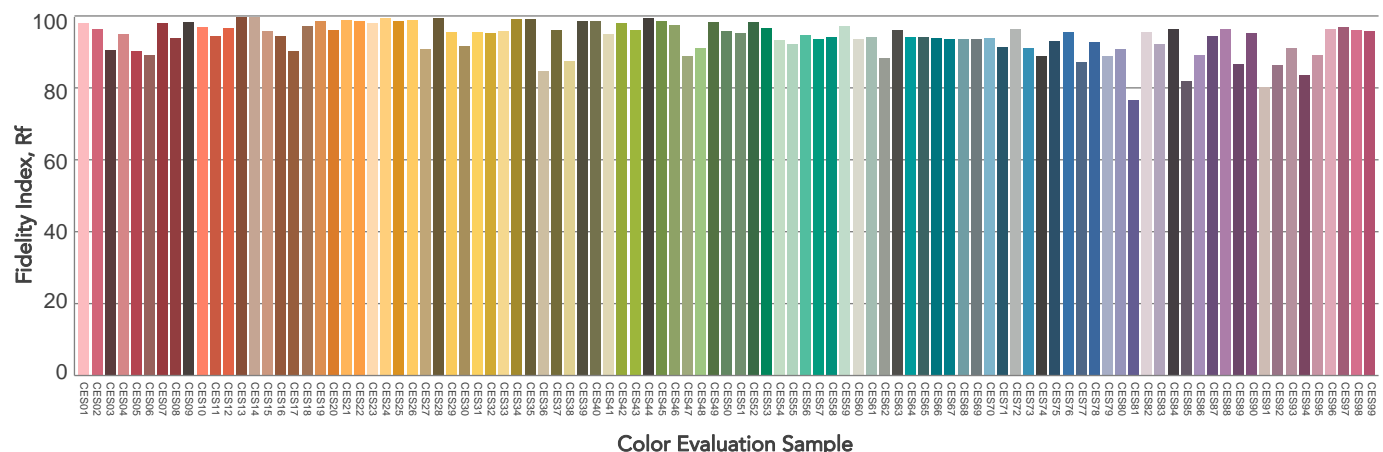
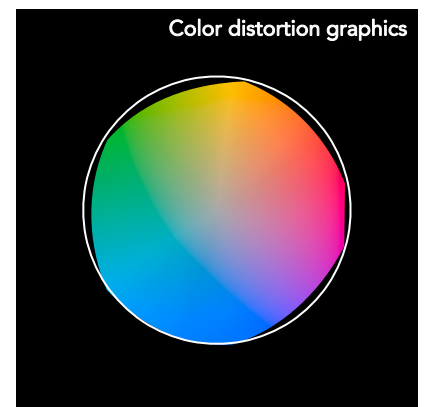
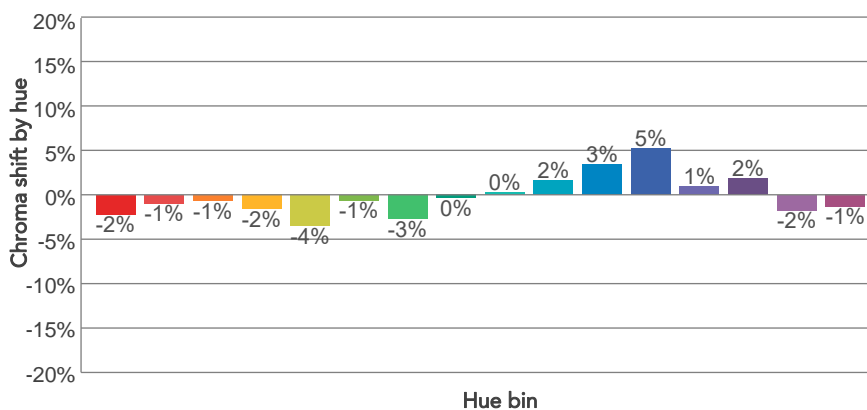
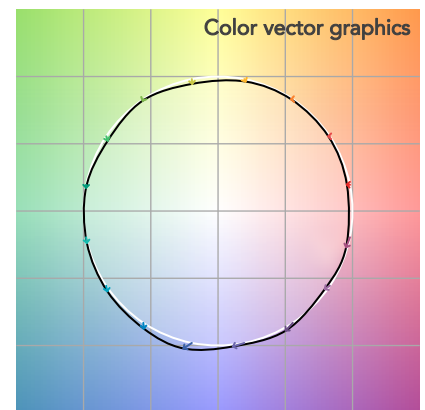
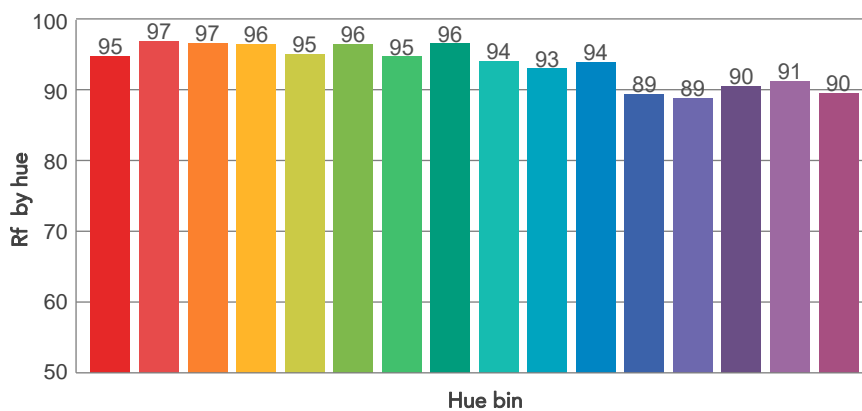
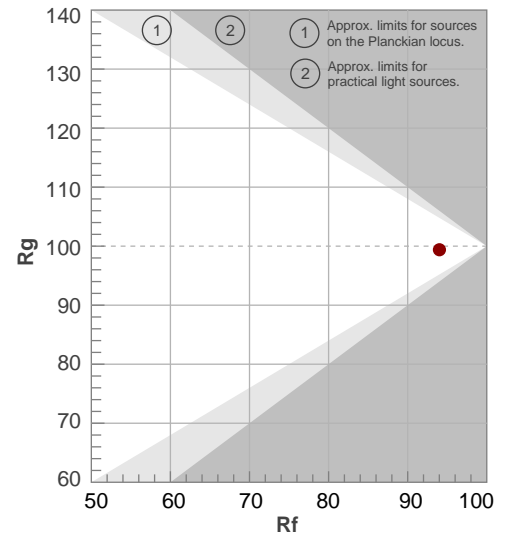
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3219 K	97,6	91,0	94,0	99,4	95,6	91	0,421	0,395	-0,0013

TM30 DETAILS

Rf 94,0
Fidelity index Rf

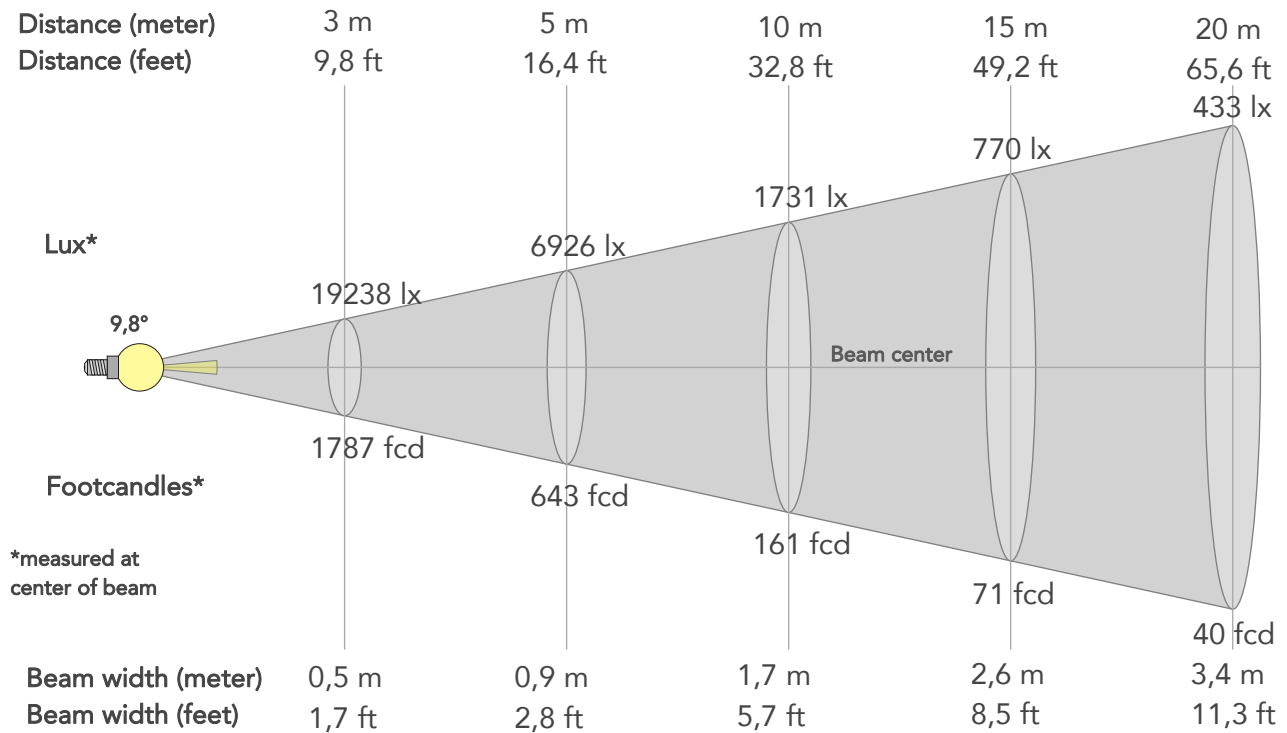
Rg 99,4
Gammut index

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



BEAM DETAILS

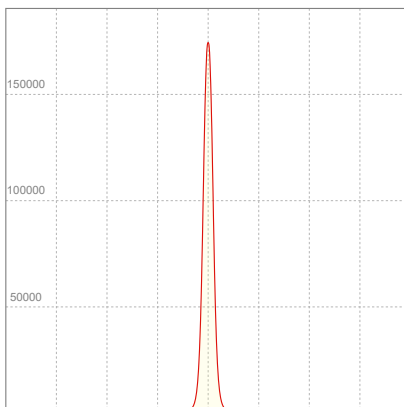
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,8°	18°	25°	99,7%	98,4%



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	173142lx	43286lx	19238lx	10821lx	6926lx	3078lx	1731lx	770lx	433lx	277lx	192lx	108lx	69lx
Footcand.	16085fcd	4021fcd	1787fcd	1005fcd	643fcd	286fcd	161fcd	71fcd	40fcd	26fcd	18fcd	10fcd	6fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,4m	4,3m	5,2m	6,9m	8,6m
Beam wid.	0,6ft	1,1ft	1,7ft	2,3ft	2,8ft	4,2ft	5,7ft	8,5ft	11,3ft	14,1ft	17ft	22,6ft	28,3ft

LINEAR DISTRIBUTION DIAGRAM

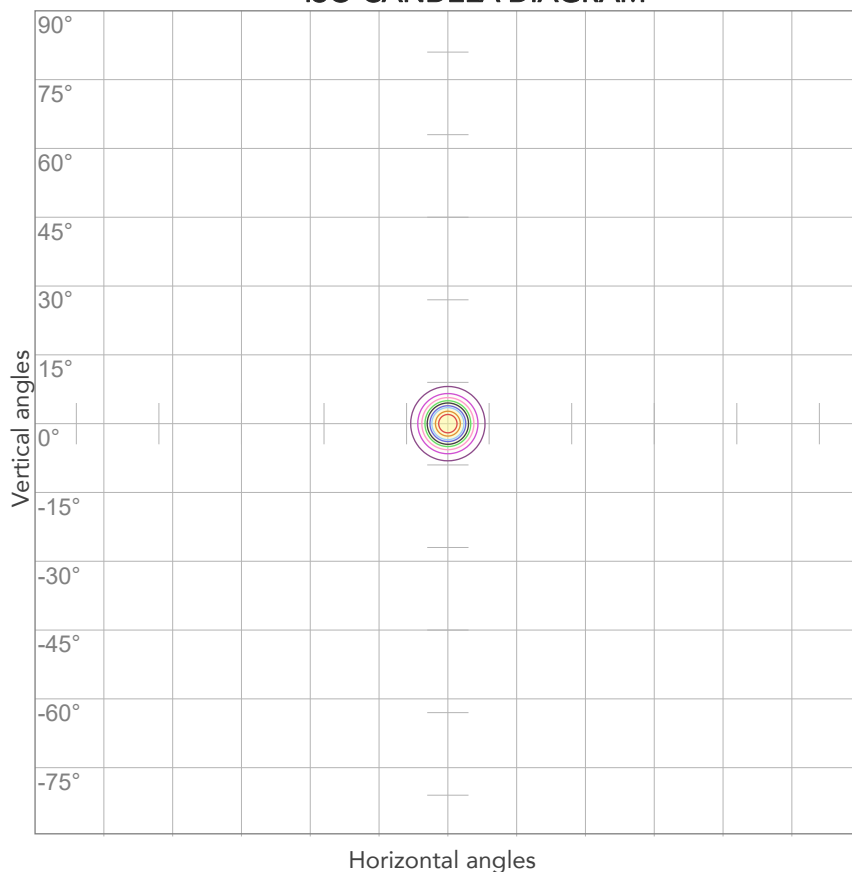


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	2,10A	471,4W	1,0	14lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



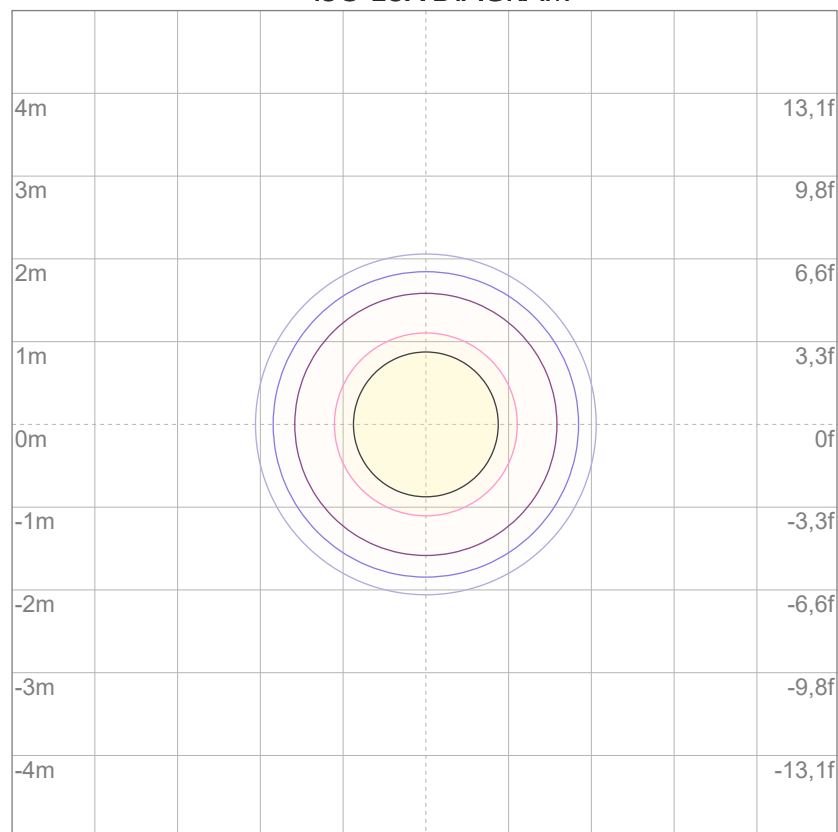
10%	17314 cd
20%	34628 cd
30%	51943 cd
40%	69257 cd
50%	86571 cd
60%	103885 cd
70%	121200 cd
80%	138514 cd

Conditions:

Number of c-planes: 2

Candela at center: 173142 cd

ISO LUX DIAGRAM



3%	51,9 lx
5%	86,6 lx
10%	173 lx
30%	519 lx
50%	866 lx

Conditions:

Number of c-planes: 2

Lux at center: 1731 lx

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



Total lumen output:

15016 lm

Peak candela output:

19671 cd

Light quality:

CRI: 98,4

Color temperature:

4001 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

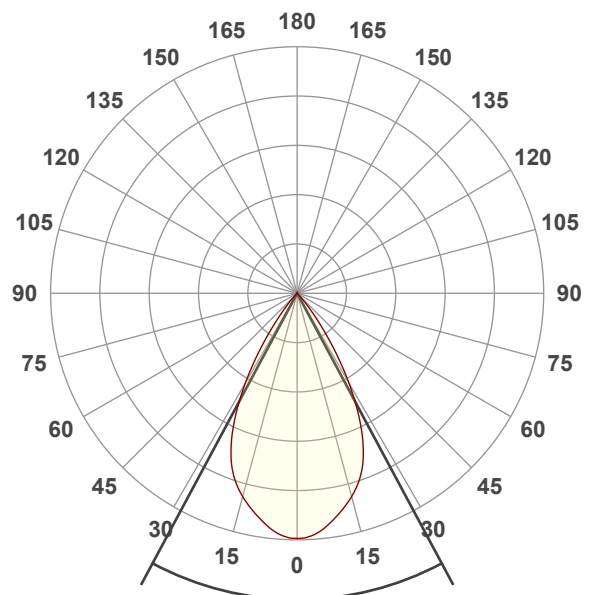
4000K - HQ

Operator:

Salvatore Giglio

Date and time:

25/03/2025 16:20:36

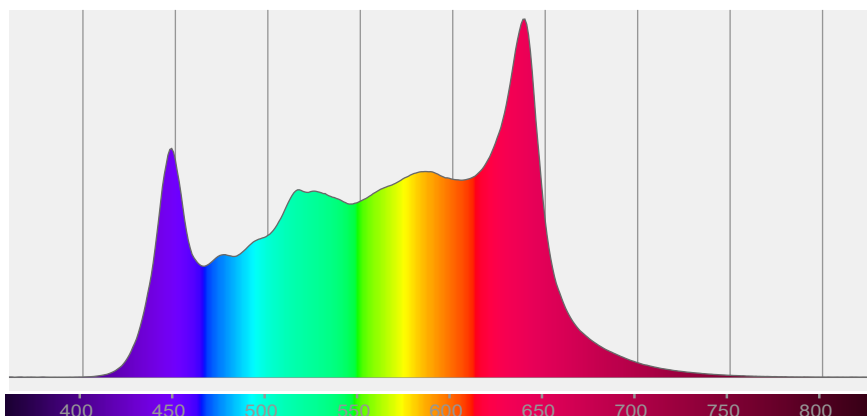


Beam angle 50%: 56,3°

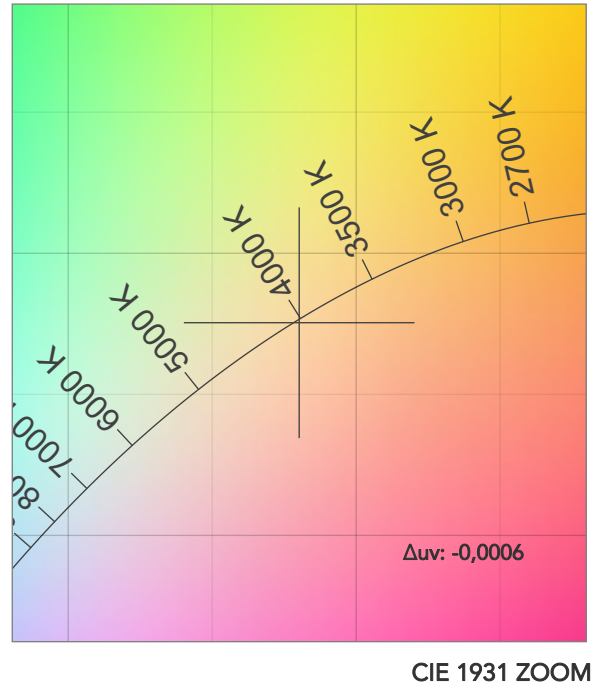
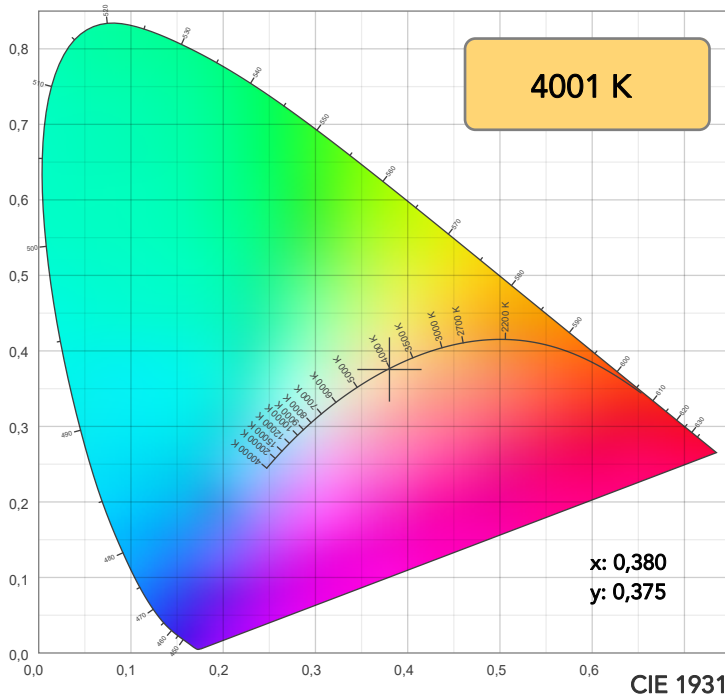
Field angle 10%: 76,9°

Cut off angle 2.5%: 85,5°

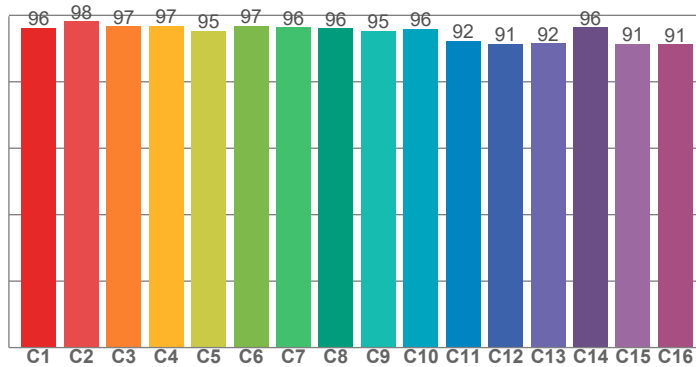
Spectra



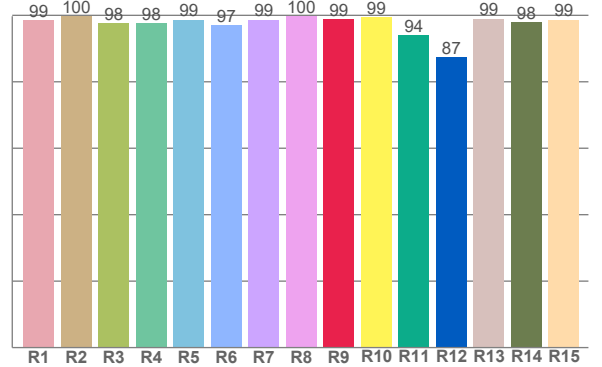
COLOR DETAILS



TM30: 95,0



CRI: 98,4 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,6	99,7	97,6	97,7	98,7	96,9	98,7	99,6	98,7	99,4	94,0	87,5	99,0	97,8	98,7

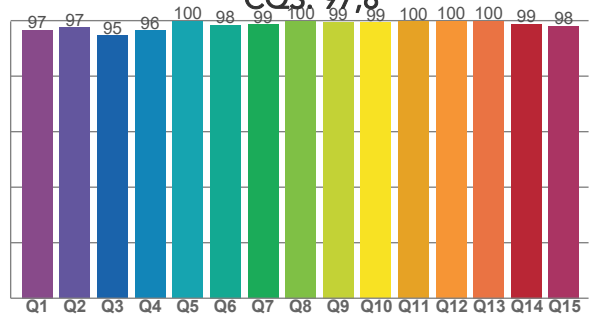
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 97,8



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4001 K	98,4	98,7	95,0	101,1	97,8	93	0,380	0,375	-0,0006

TM30 DETAILS

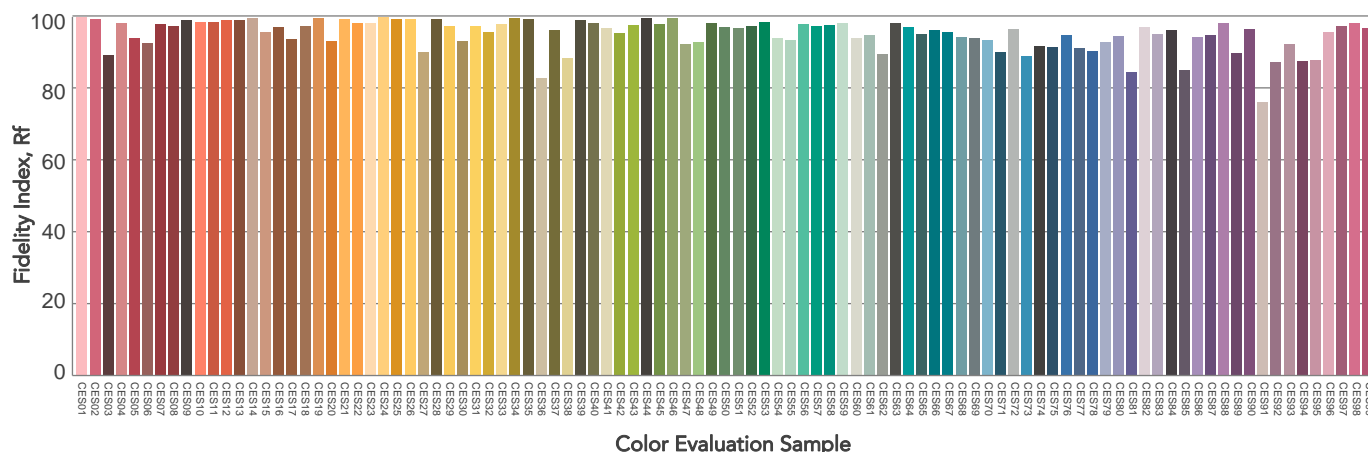
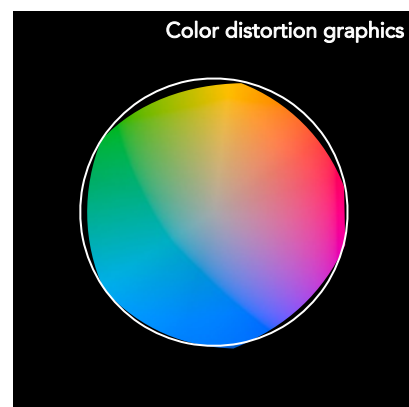
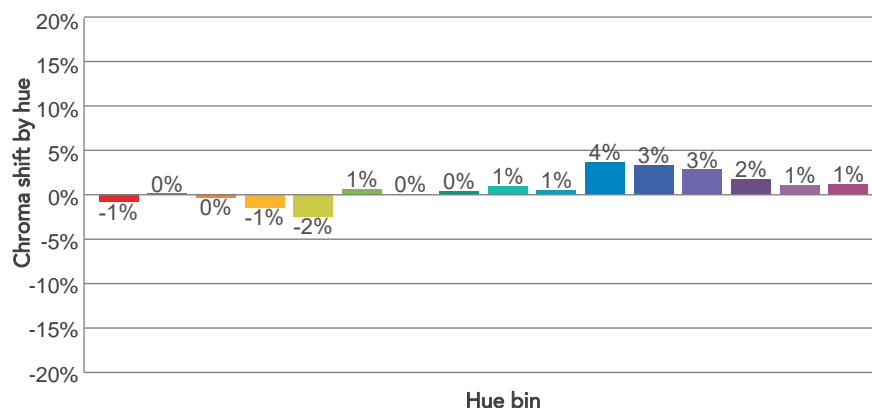
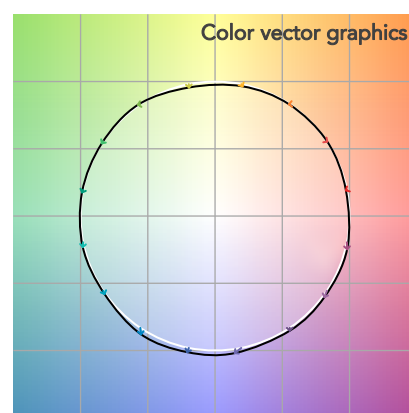
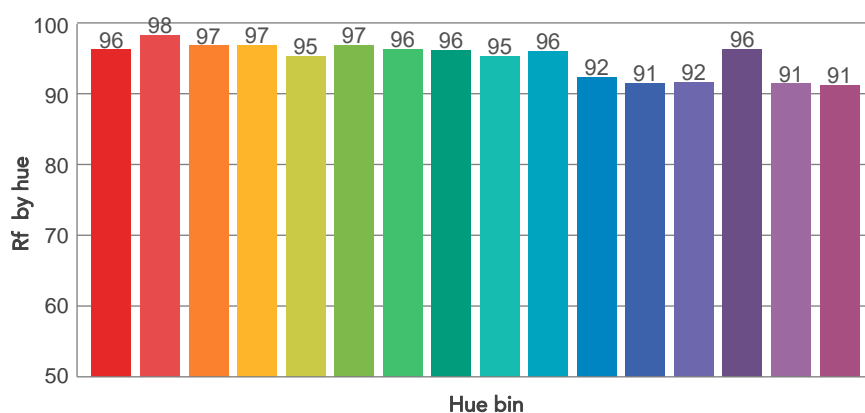
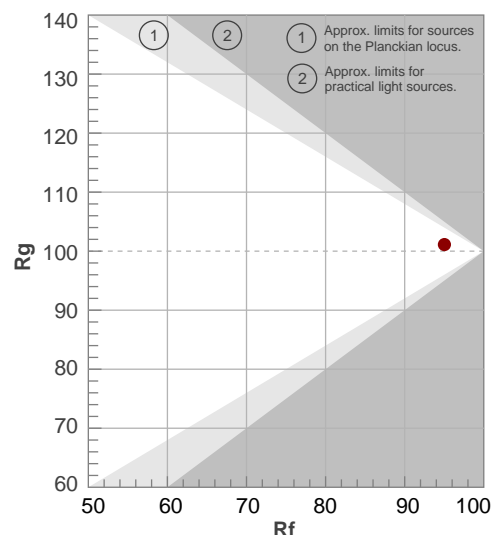
Rf 95,0

Fidelity index Rf

Rg 101,1

Gammut index

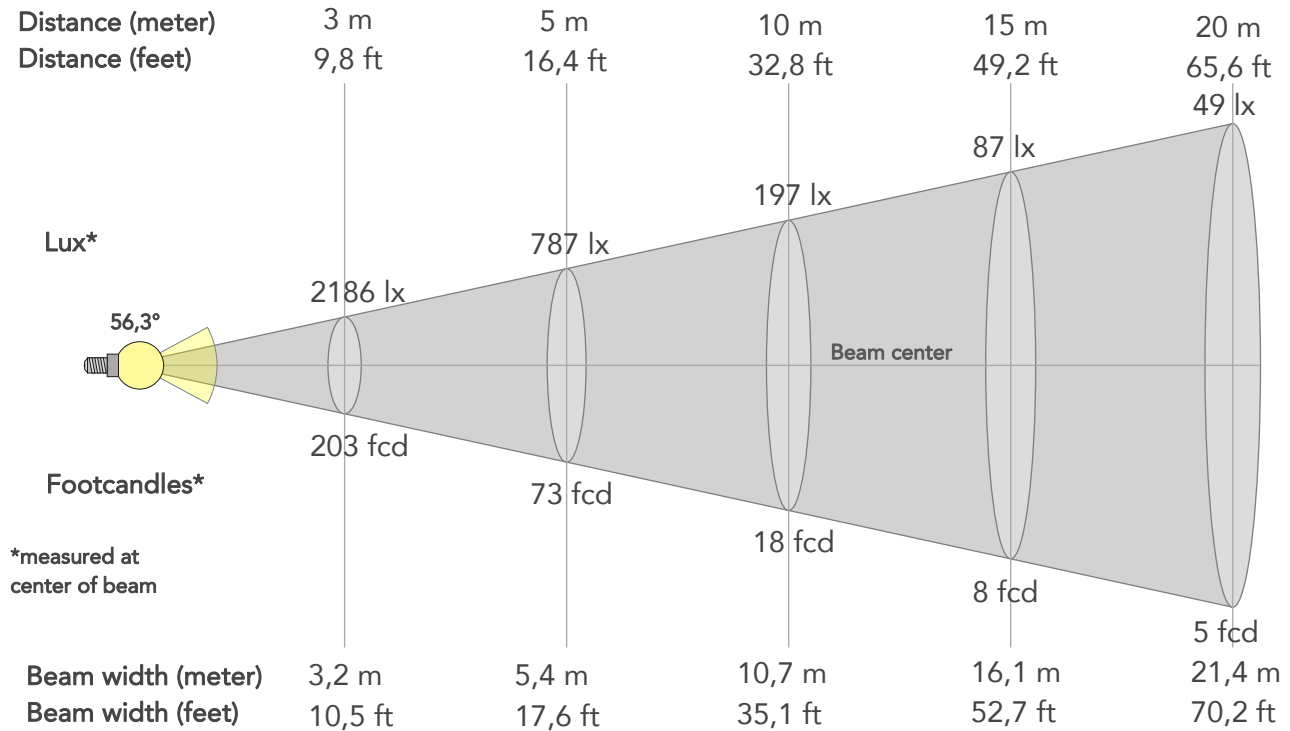
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	0%
2	98	0%	0%
3	97	0%	0%
4	97	-1%	-1%
5	95	-2%	0%
6	97	1%	2%
7	96	0%	2%
8	96	0%	2%
9	95	1%	3%
10	96	1%	3%
11	92	4%	3%
12	91	3%	-1%
13	92	3%	-5%
14	96	2%	-1%
15	91	1%	-5%
16	91	1%	-5%



BEAM DETAILS



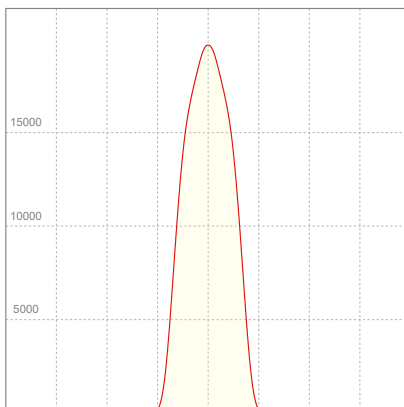
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,3°	76,9°	85,5°	99,8%	99,2%



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	19671lx	4918lx	2186lx	1229lx	787lx	350lx	197lx	87lx	49lx	31lx	22lx	12lx	8lx
Footcand.	1828fcd	457fcd	203fcd	114fcd	73fcd	32fcd	18fcd	8fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	1,1m	2,1m	3,2m	4,3m	5,4m	8m	10,7m	16,1m	21,4m	26,8m	32,1m	42,8m	53,5m
Beam wid.	3,5ft	7,1ft	10,5ft	14ft	17,6ft	26,3ft	35,1ft	52,7ft	70,2ft	87,8ft	105,4ft	140,5ft	175,6ft

LINEAR DISTRIBUTION DIAGRAM

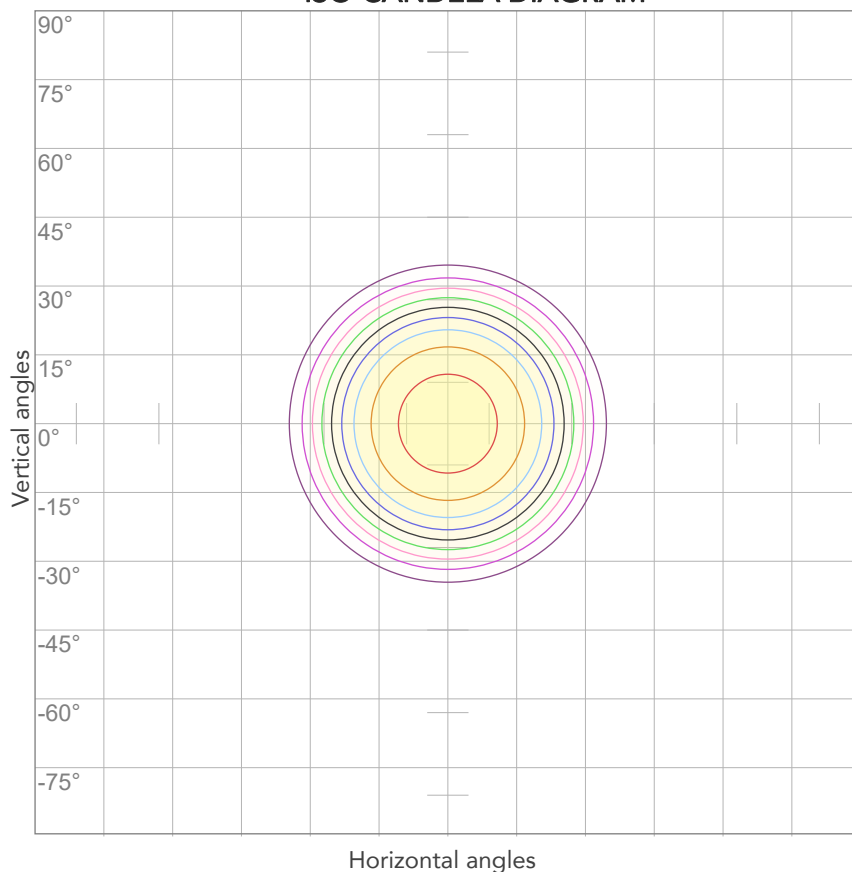


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
223V	2,36A	523,6W	1,0	29lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



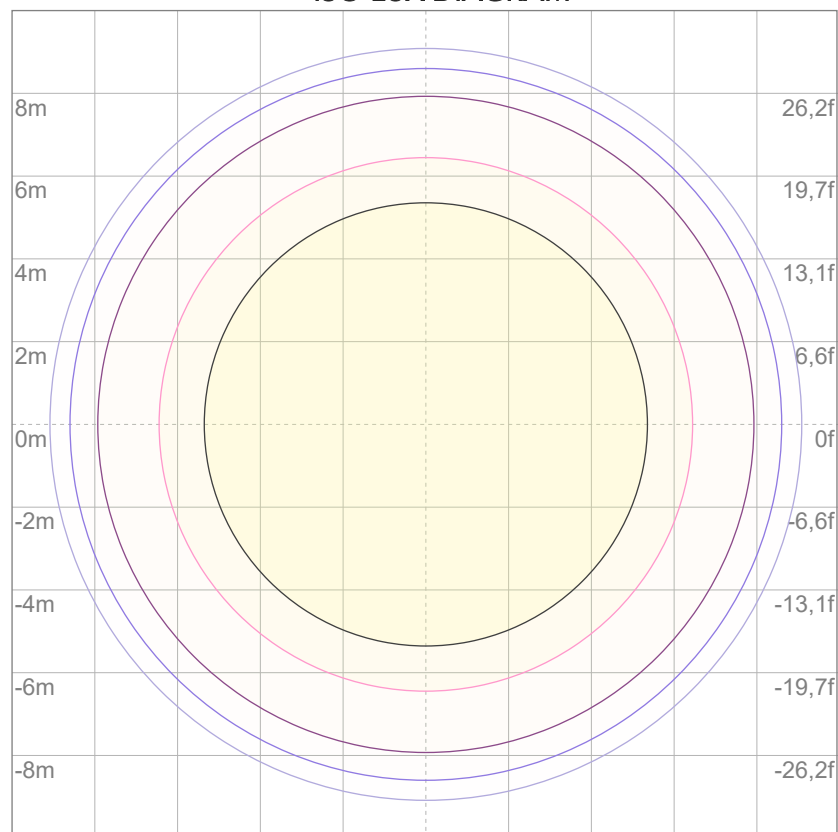
10%	1967 cd
20%	3934 cd
30%	5901 cd
40%	7869 cd
50%	9836 cd
60%	11803 cd
70%	13770 cd
80%	15737 cd

Conditions:

Number of c-planes: 2

Candela at center: 19671 cd

ISO LUX DIAGRAM



3%	5,90 lx
5%	9,84 lx
10%	19,7 lx
30%	59,0 lx
50%	98,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 197 lx

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



Total lumen output:

12684 lm

Peak candela output:

66610 cd

Light quality:

CRI: 98,5

Color temperature:

4027 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

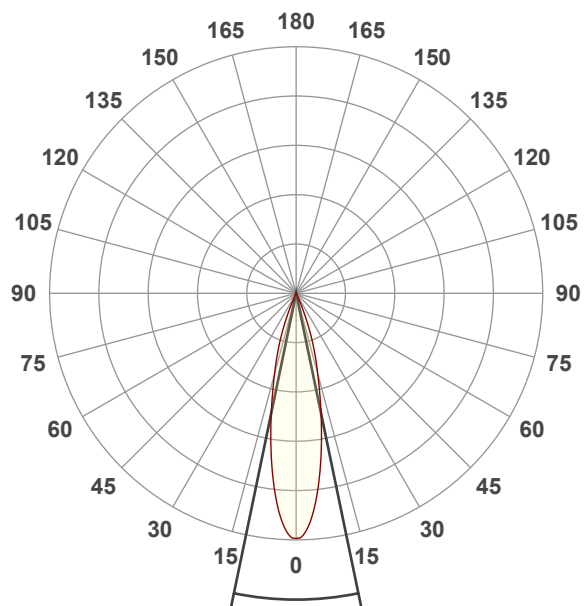
4000K - HQ

Operator:

Salvatore Giglio

Date and time:

25/03/2025 15:20:33

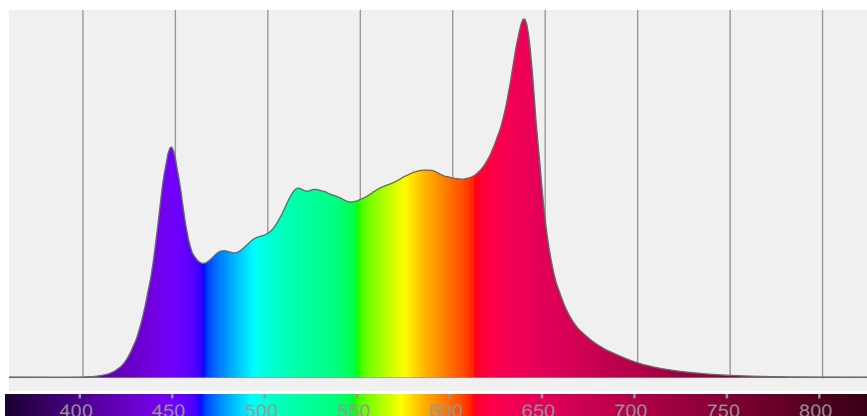


Beam angle 50%: 23,4°

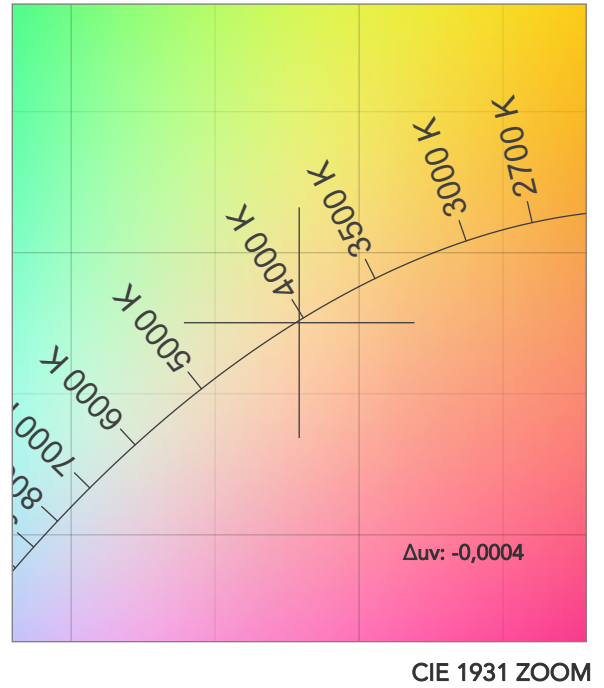
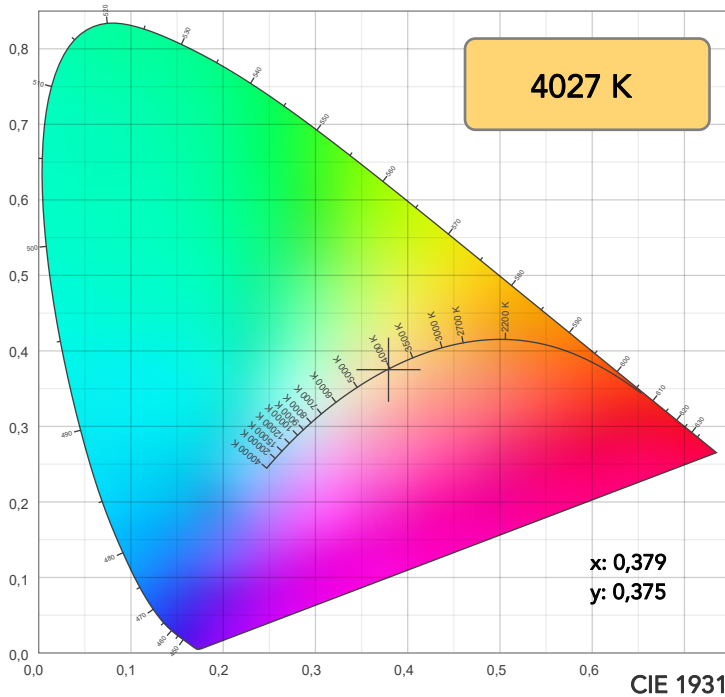
Field angle 10%: 43,3°

Cut off angle 2.5%: 49,8°

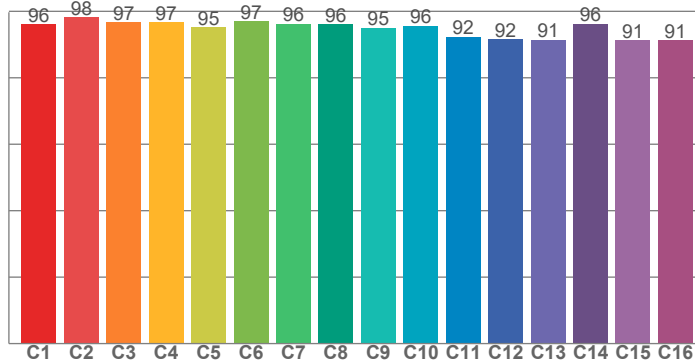
Spectra



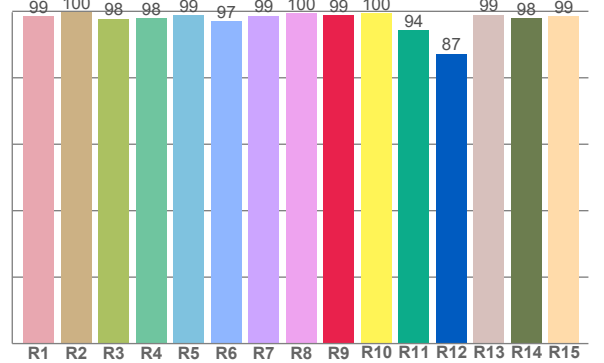
COLOR DETAILS



TM30: 94,9



CRI: 98,5 (R1-R8)



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

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

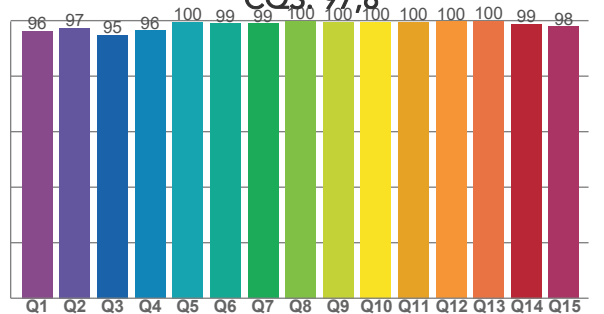
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,1	98,2	96,8	96,7	95,2	97,0	96,3	96,1	95,0	95,7	92,4	91,5	91,4	96,3	91,3	91,2

CQS Q values

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

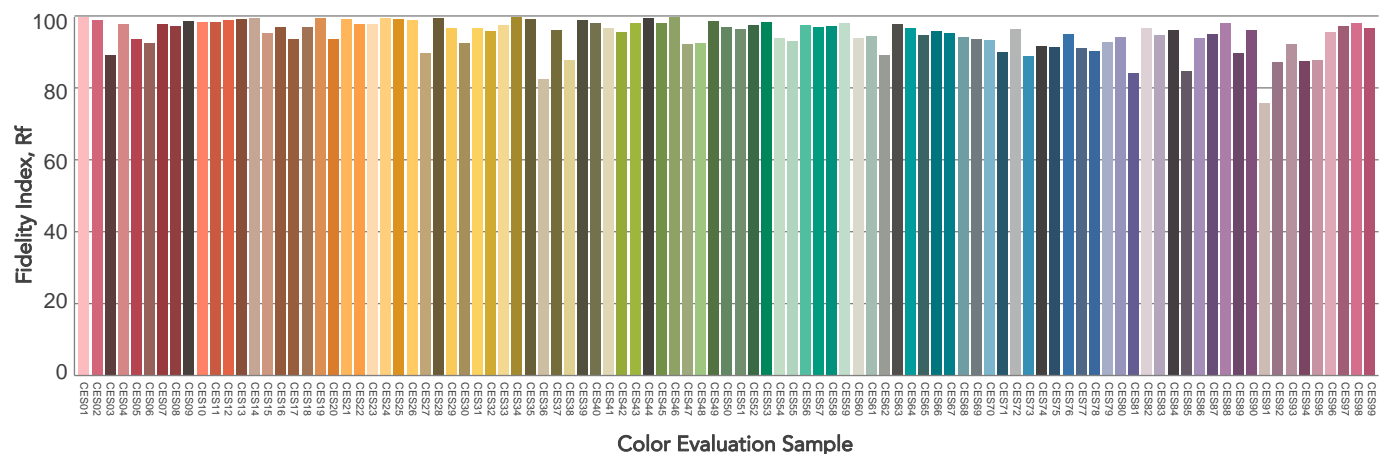
CQS: 97,8



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4027 K	98,5	98,8	94,9	100,9	97,8	93	0,379	0,375	-0,0004

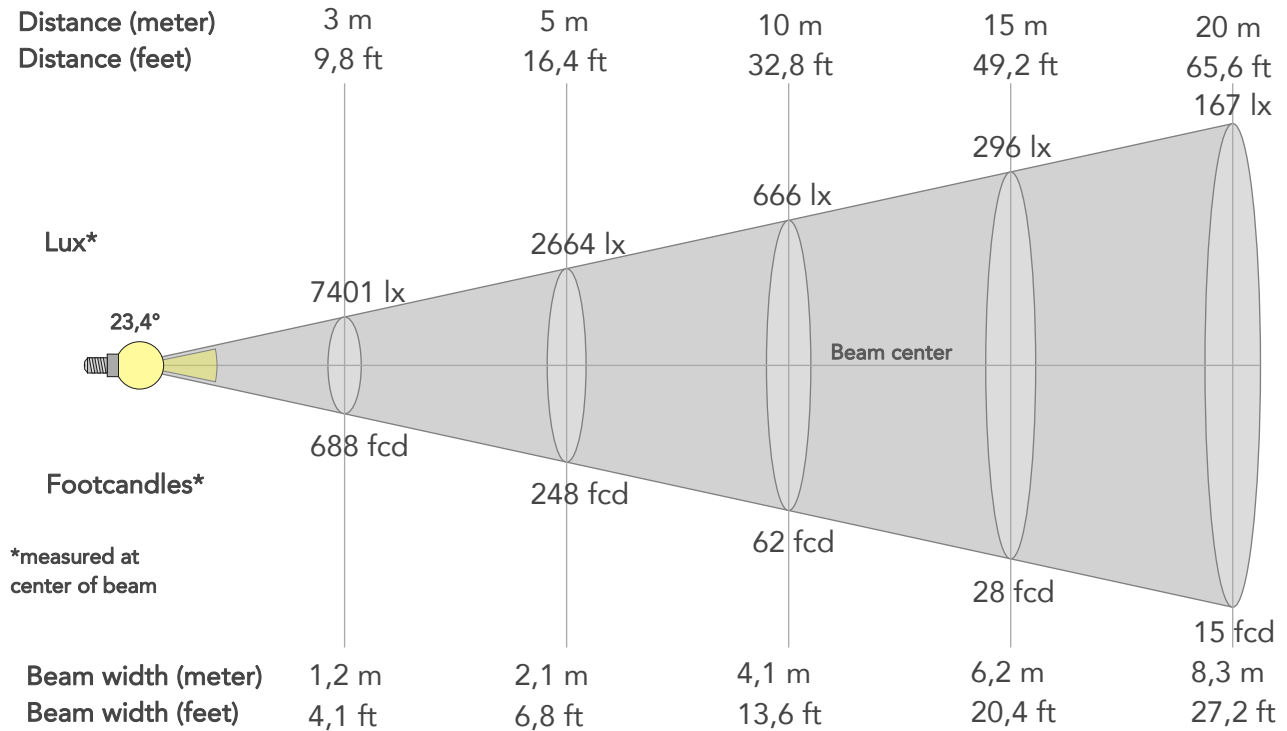
Gammut index



BEAM DETAILS



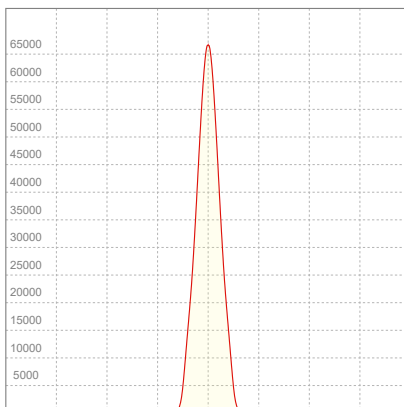
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	43,3°	49,8°	99,7%	98,9%



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	66610lx	16652lx	7401lx	4163lx	2664lx	1184lx	666lx	296lx	167lx	107lx	74lx	42lx	27lx
Footcand.	6188fcd	1547fcd	688fcd	387fcd	248fcd	110fcd	62fcd	28fcd	15fcd	10fcd	7fcd	4fcd	2fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,4m	12,4m	16,6m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34ft	40,8ft	54,4ft	68ft

LINEAR DISTRIBUTION DIAGRAM

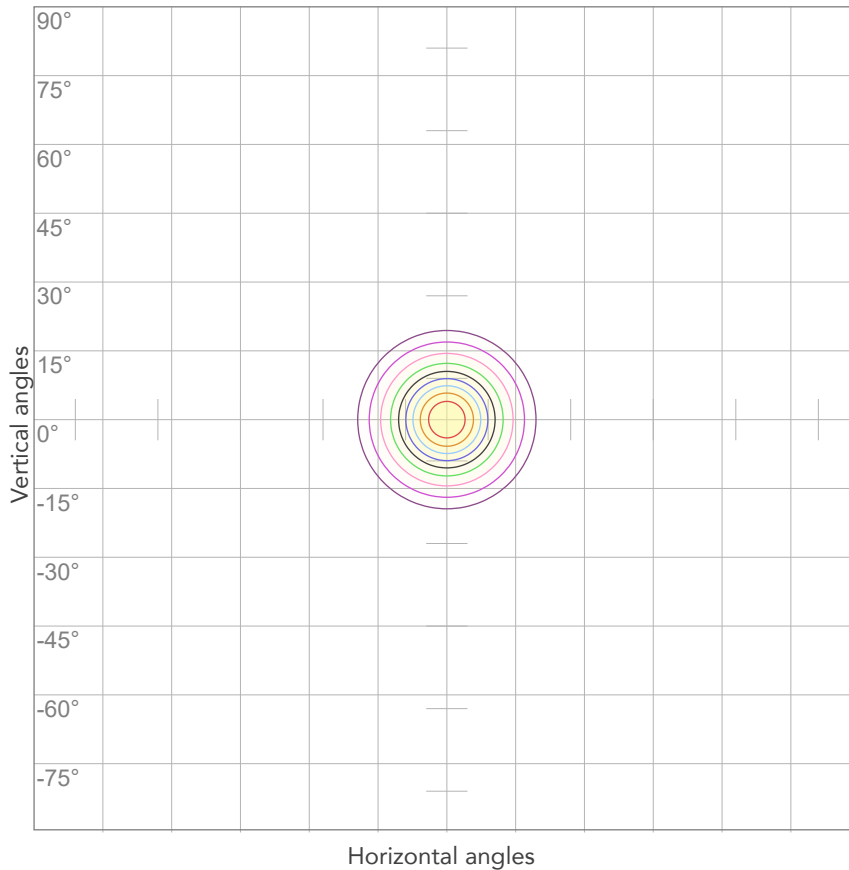


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	2,36A	525,2W	1,0	24lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



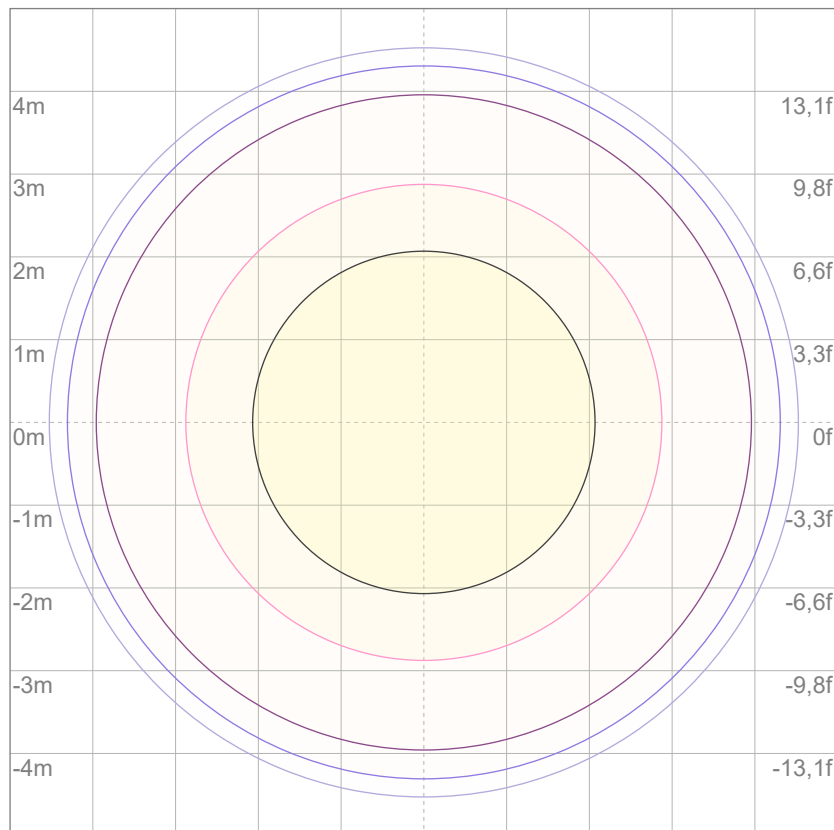
10%	6661 cd
20%	13322 cd
30%	19983 cd
40%	26644 cd
50%	33305 cd
60%	39966 cd
70%	46627 cd
80%	53288 cd

Conditions:

Number of c-planes: 2

Candela at center: 66610 cd

ISO LUX DIAGRAM



3%	20,0 lx
5%	33,3 lx
10%	66,6 lx
30%	200 lx
50%	333 lx

Conditions:

Number of c-planes: 2

Lux at center: 666 lx

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



Total lumen output:

7464 lm

Peak candela output:

191707 cd

Light quality:

CRI: 98,3

Color temperature:

4012 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

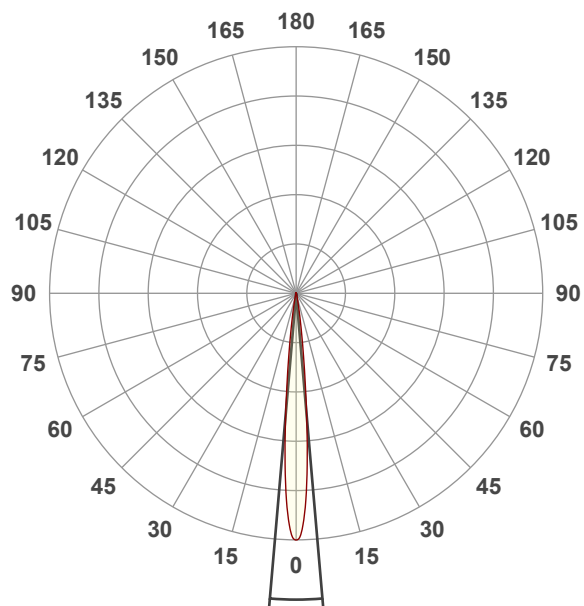
4000K - HQ

Operator:

Salvatore Giglio

Date and time:

25/03/2025 16:54:43

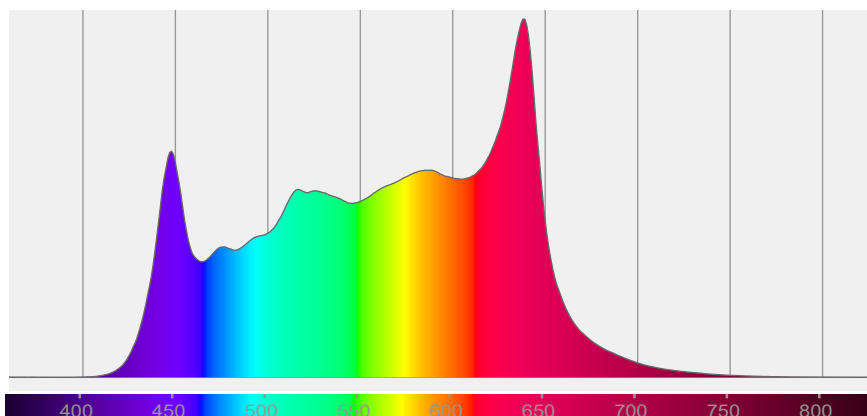


Beam angle 50%: 9,8°

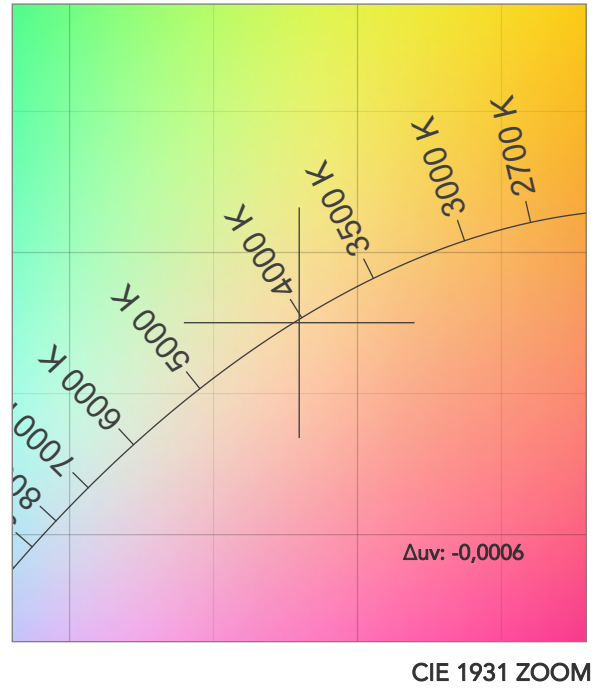
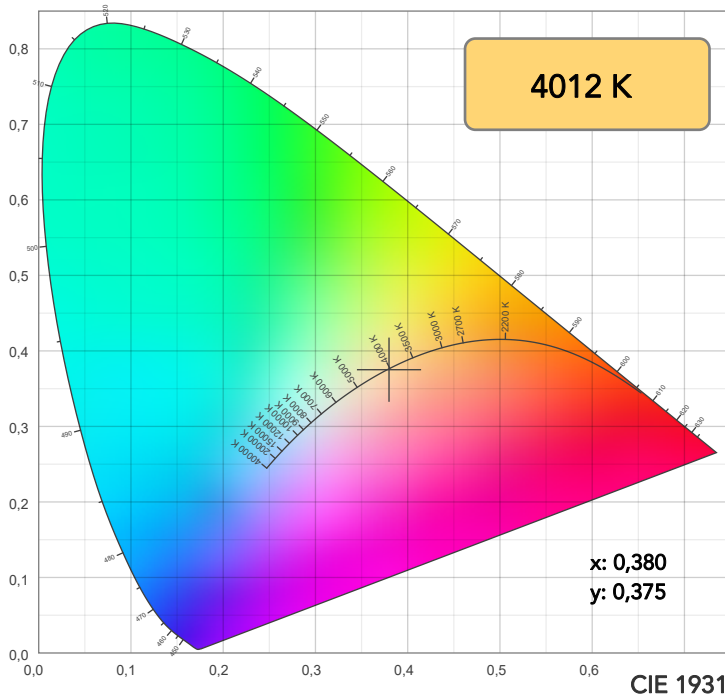
Field angle 10%: 18°

Cut off angle 2.5%: 25°

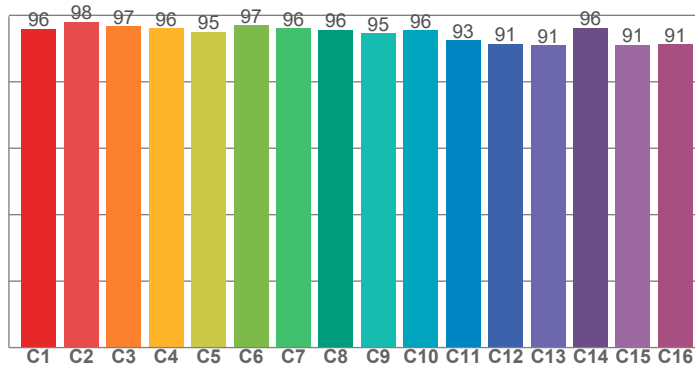
Spectra



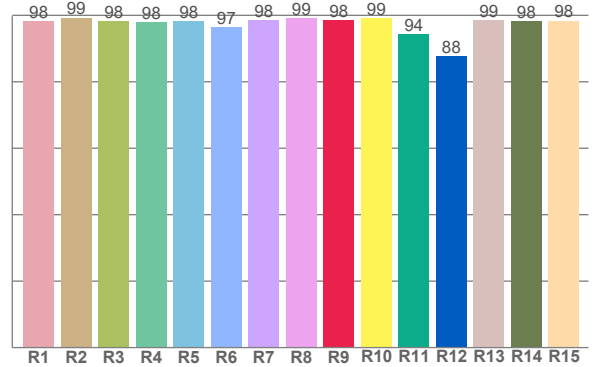
COLOR DETAILS



TM30: 94,8



CRI: 98,3 (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
98,2	99,3	98,3	97,9	98,3	96,5	98,4	99,2	98,5	99,2	94,2	87,7	98,5	98,2	98,4

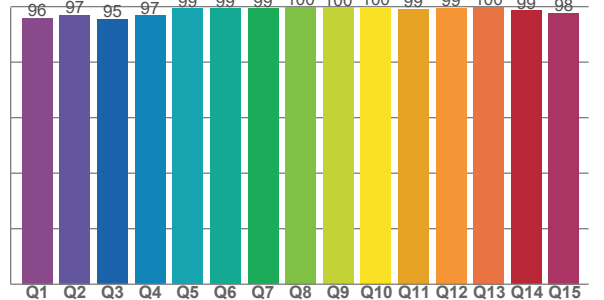
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,0	98,0	96,6	96,1	95,0	97,0	96,0	95,7	94,5	95,6	92,5	91,5	91,0	96,3	91,2	91,3

CQS Q values

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

CQS: 97,9



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
4012 K	98,3	98,5	94,8	100,7	97,9	93	0,380	0,375	-0,0006

TM30 DETAILS

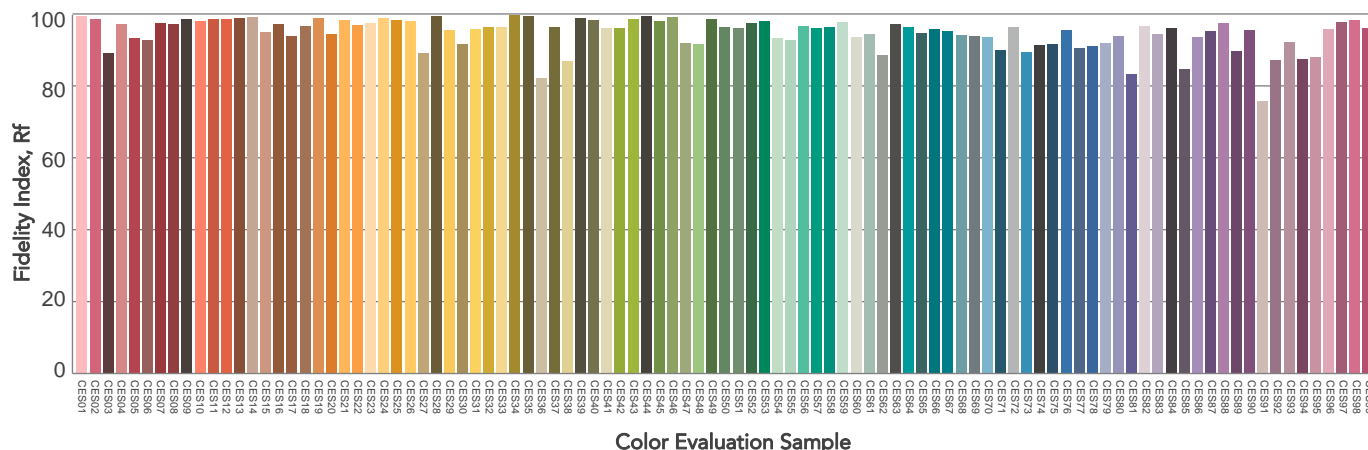
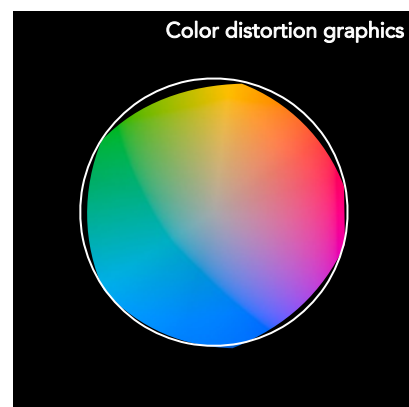
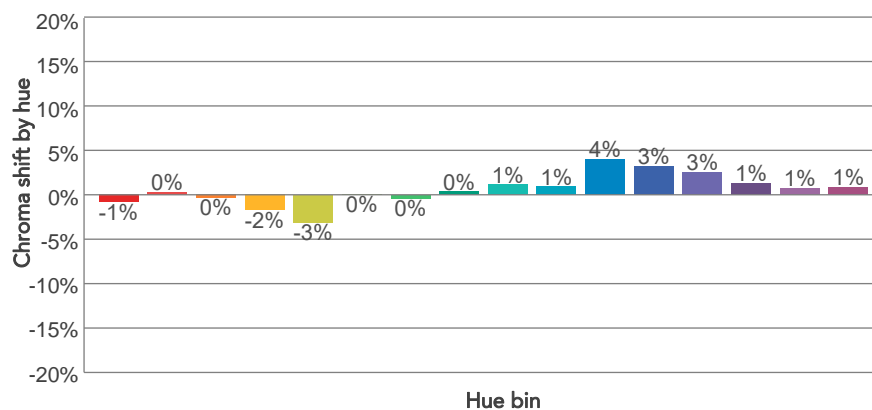
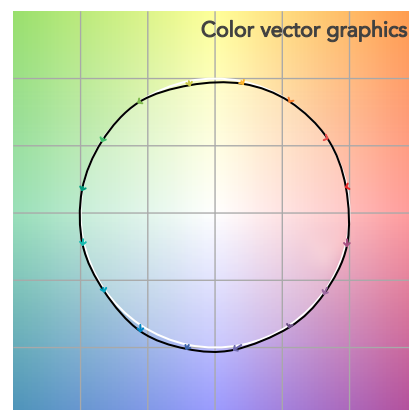
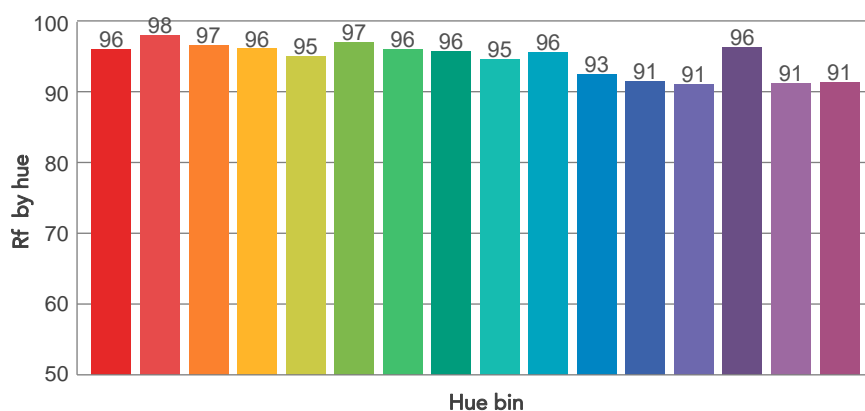
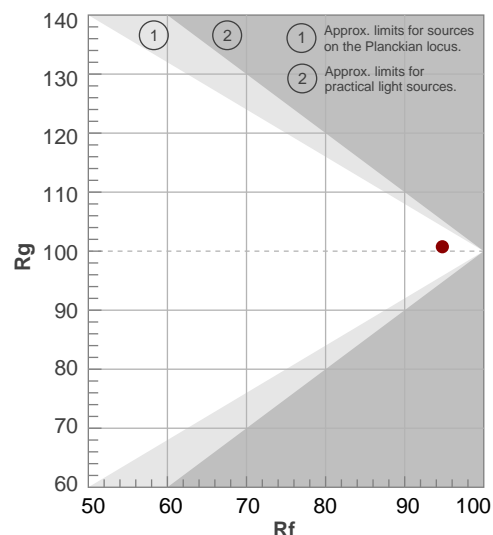
Rf 94,8

Fidelity index Rf

Rg 100,7

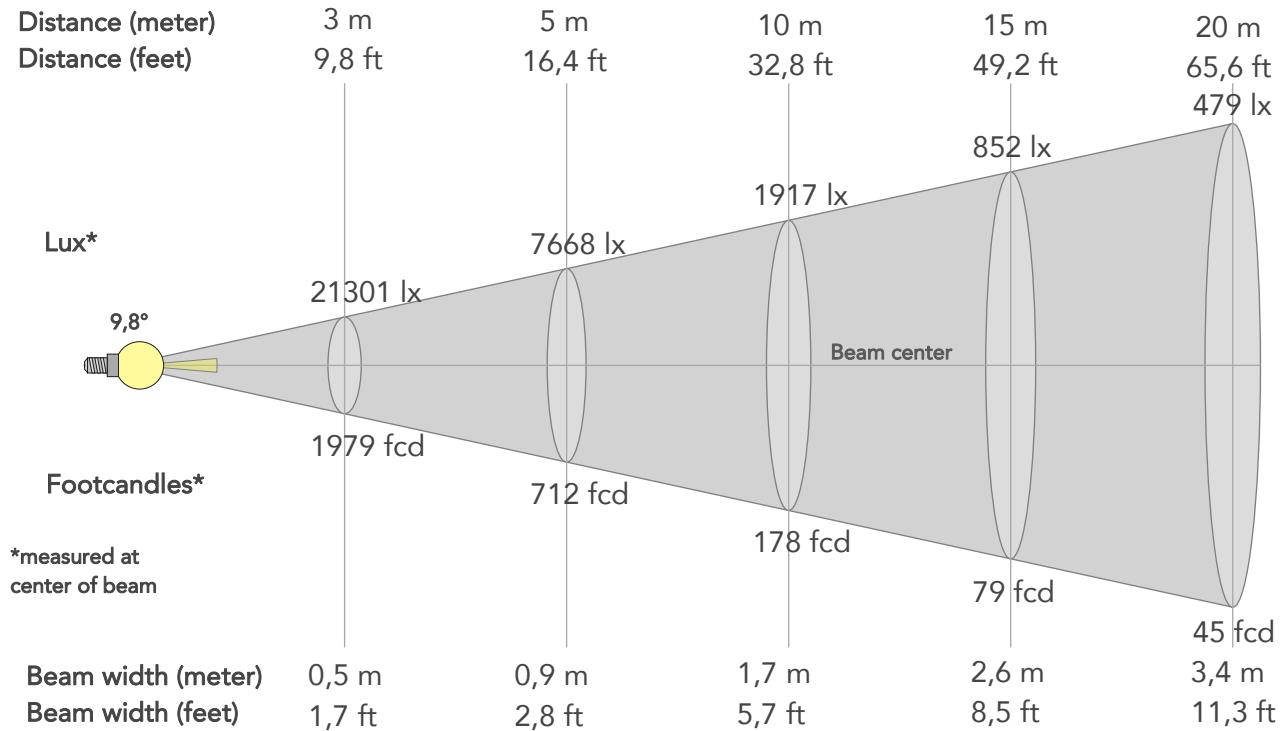
Gammut index

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



BEAM DETAILS

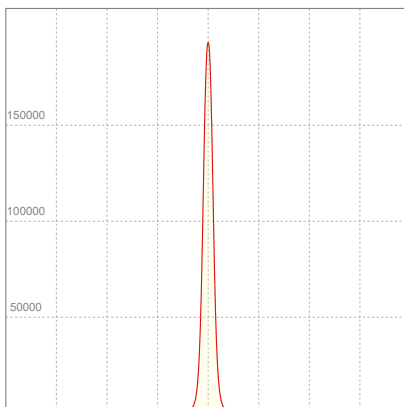
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,8°	18°	25°	99,7%	98,4%



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	191707lx	47927lx	21301lx	11982lx	7668lx	3408lx	1917lx	852lx	479lx	307lx	213lx	120lx	77lx
Footcand.	17810fcd	4453fcd	1979fcd	1113fcd	712fcd	317fcd	178fcd	79fcd	45fcd	28fcd	20fcd	11fcd	7fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,4m	4,3m	5,2m	6,9m	8,6m
Beam wid.	0,6ft	1,1ft	1,7ft	2,3ft	2,8ft	4,2ft	5,7ft	8,5ft	11,3ft	14,1ft	17ft	22,6ft	28,3ft

LINEAR DISTRIBUTION DIAGRAM

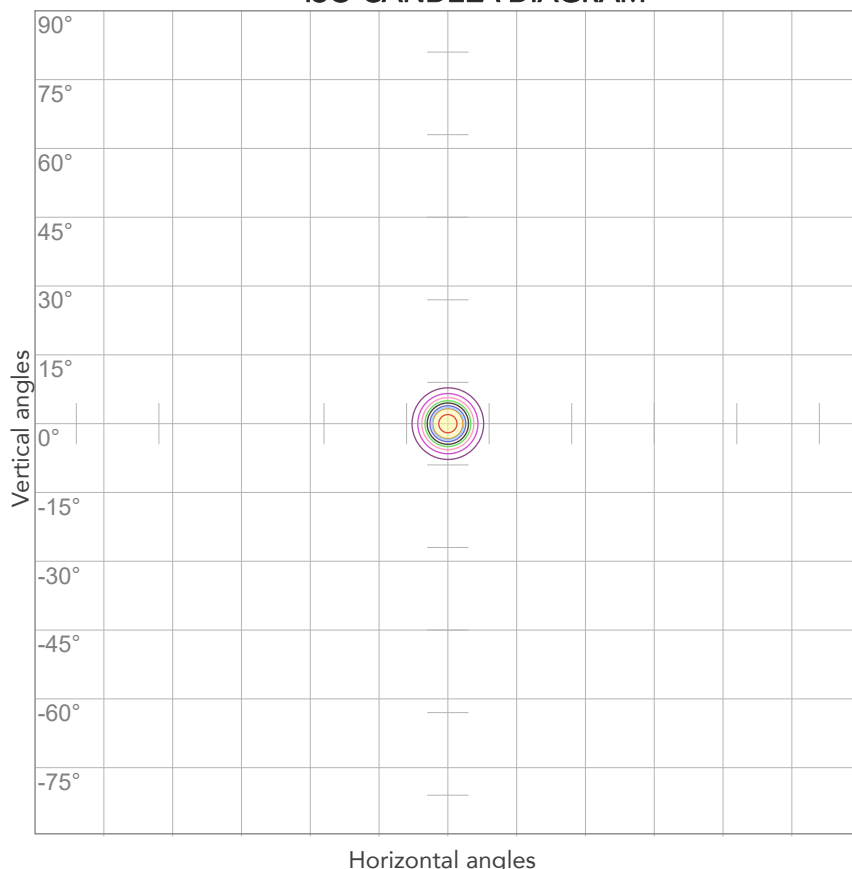


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	2,34A	523,4W	1,0	14lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



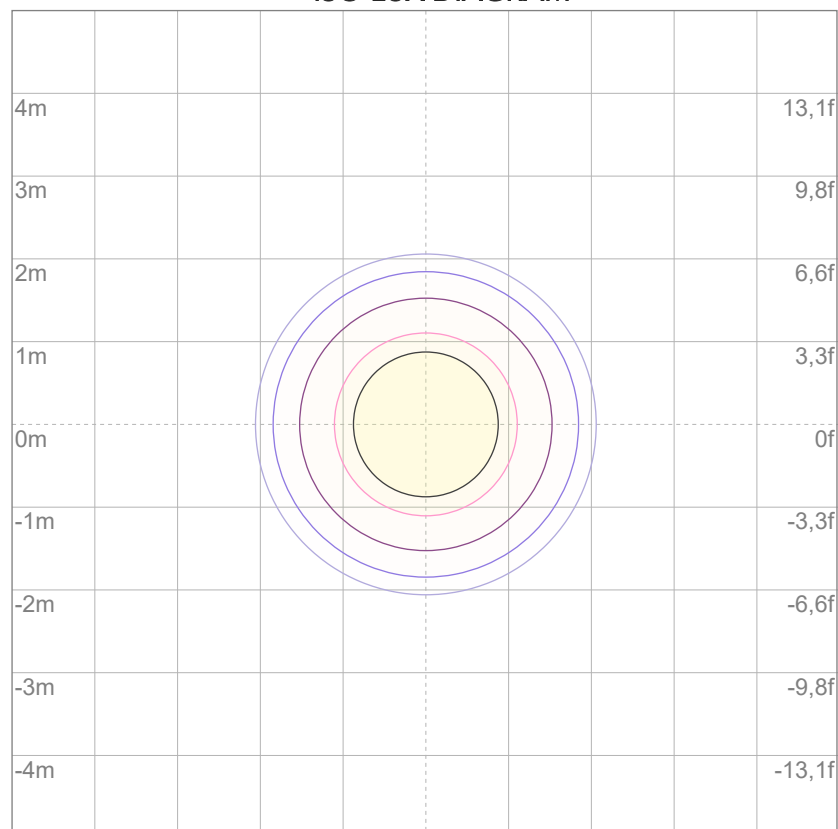
10%	19171 cd
20%	38341 cd
30%	57512 cd
40%	76683 cd
50%	95854 cd
60%	115024 cd
70%	134195 cd
80%	153366 cd

Conditions:

Number of c-planes: 2

Candela at center: 191707 cd

ISO LUX DIAGRAM



3%	57,5 lx
5%	95,9 lx
10%	192 lx
30%	575 lx
50%	959 lx

Conditions:

Number of c-planes: 2

Lux at center: 1917 lx

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



Total lumen output:

12782 lm

Peak candela output:

16682 cd

Light quality:

CRI: 97,0

Color temperature:

5623 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

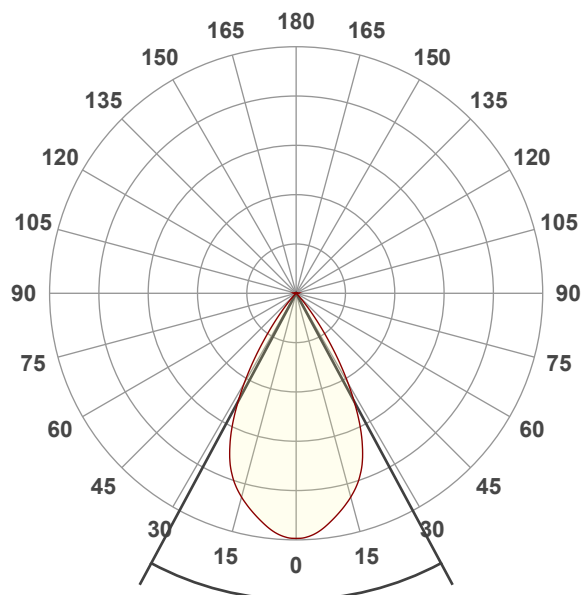
5600K - HQ

Operator:

Salvatore Giglio

Date and time:

25/03/2025 16:13:37

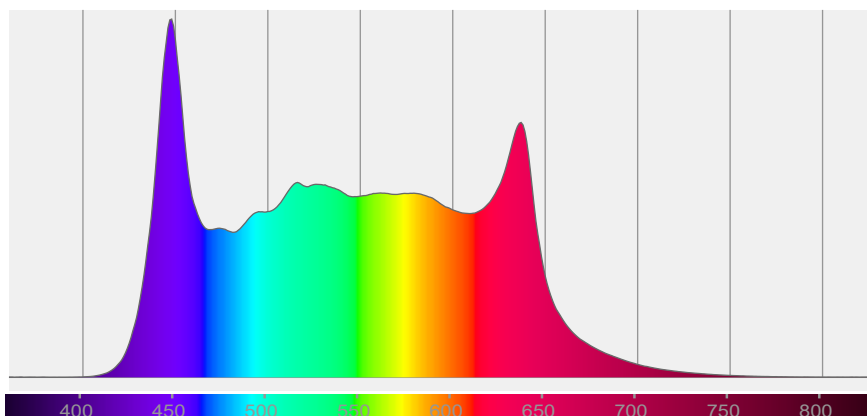


Beam angle 50%: 56,5°

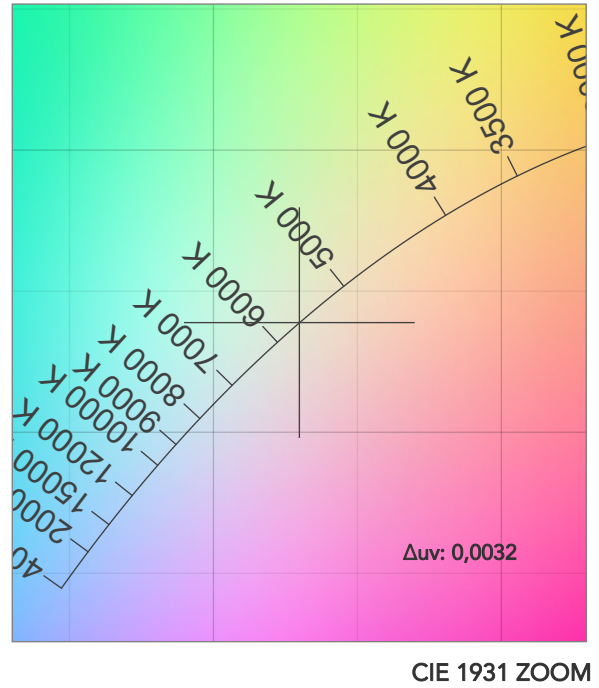
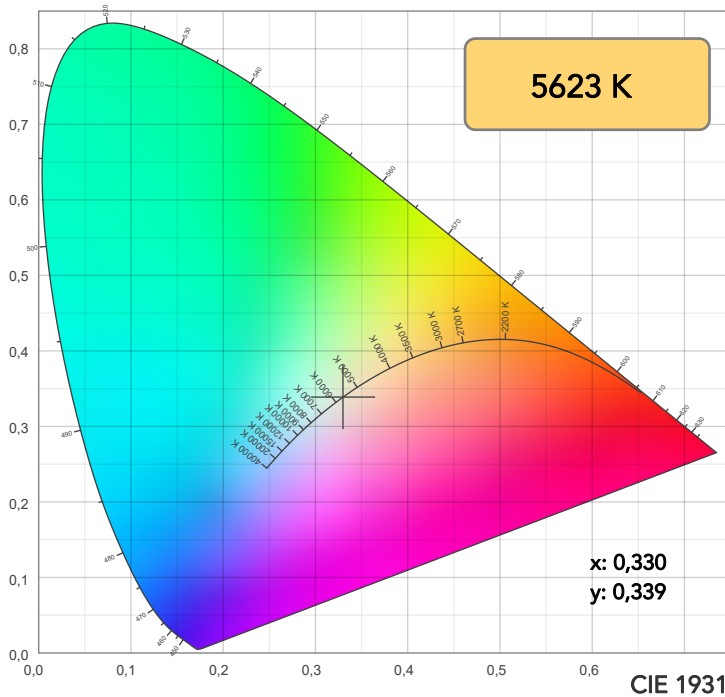
Field angle 10%: 76,9°

Cut off angle 2.5%: 85,6°

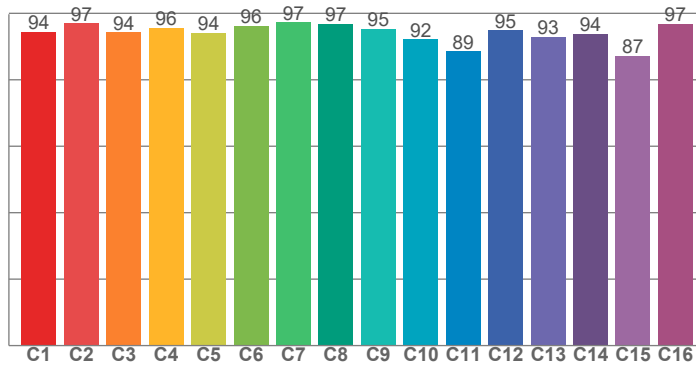
Spectra



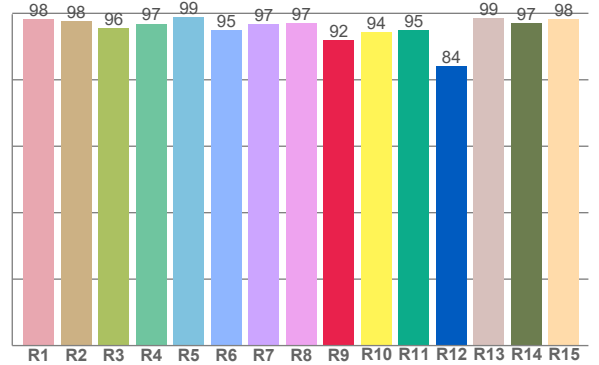
COLOR DETAILS



TM30: 94,1



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
98,3	97,7	95,6	96,9	98,7	95,0	96,7	97,0	92,0	94,2	94,9	84,1	98,6	97,1	98,3

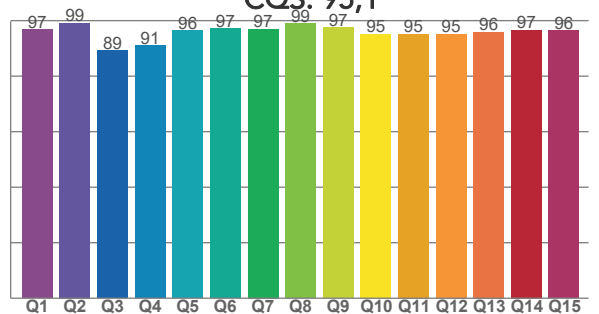
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,5	97,0	94,3	95,7	94,1	96,3	97,3	96,9	95,3	92,2	88,5	94,8	92,9	93,8	87,3	96,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,9	99,2	89,3	91,0	96,4	97,2	96,9	98,9	97,5	95,2	95,1	95,2	96,0	96,7	96,4

CQS: 95,1



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5623 K	97,0	92,0	94,1	101,7	95,1	95	0,330	0,339	0,0032

TM30 DETAILS

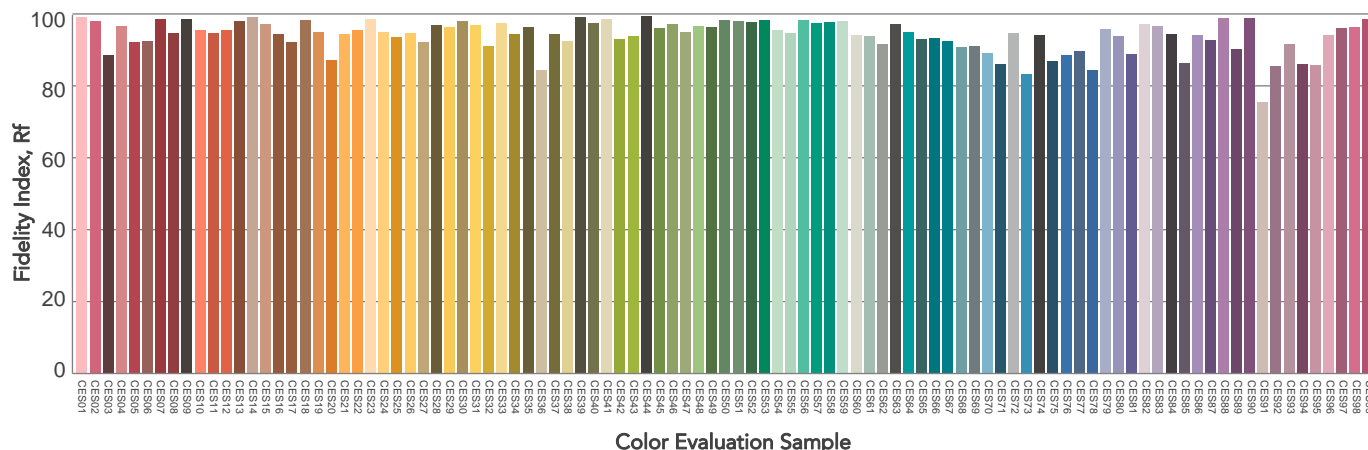
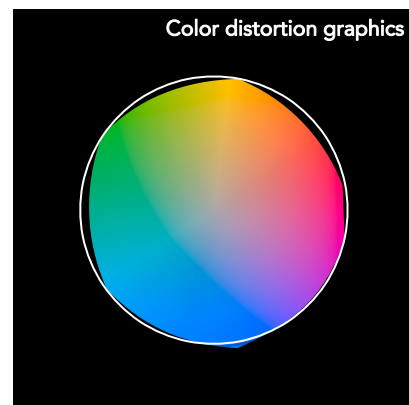
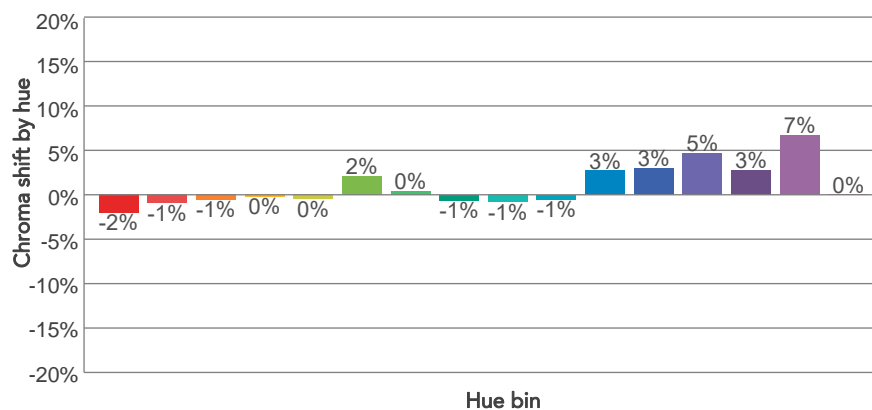
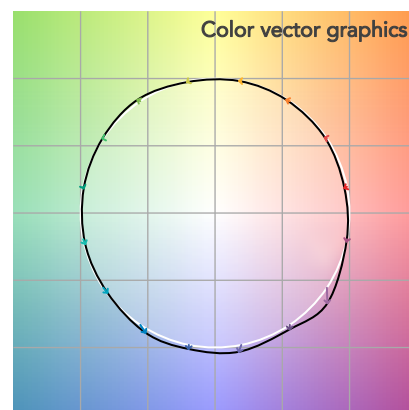
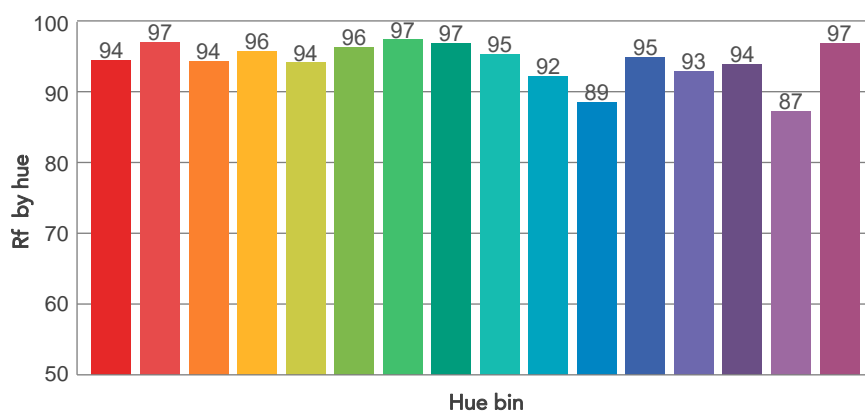
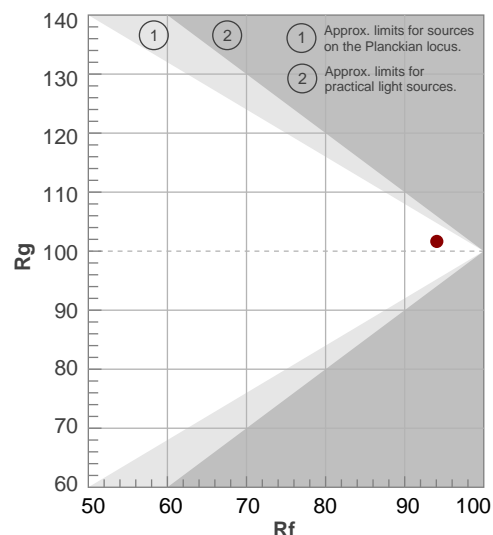
Rf 94,1

Fidelity index Rf

Rg 101,7

Gammut index

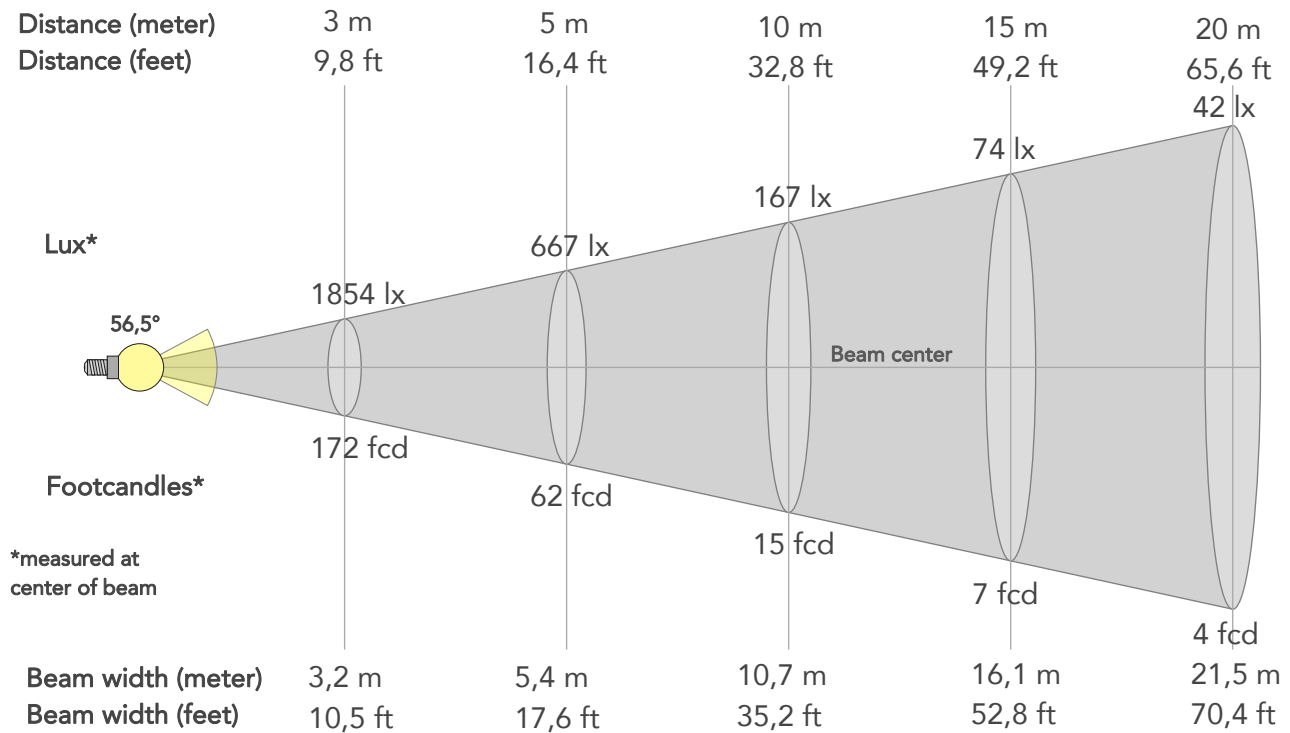
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-2%	-1%
2	97	-1%	1%
3	94	-1%	3%
4	96	0%	1%
5	94	0%	1%
6	96	2%	1%
7	97	0%	0%
8	97	-1%	1%
9	95	-1%	4%
10	92	-1%	5%
11	89	3%	6%
12	95	3%	0%
13	93	5%	-3%
14	94	3%	-2%
15	87	7%	-9%
16	97	0%	-2%



BEAM DETAILS



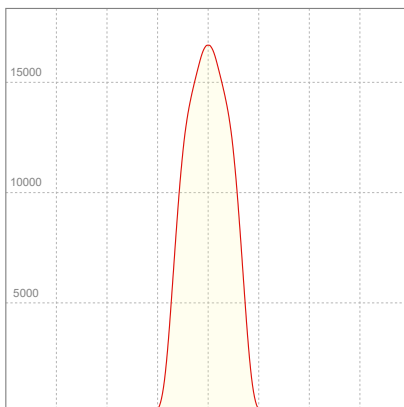
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,5°	76,9°	85,6°	99,7%	99,2%



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	16682lx	4171lx	1854lx	1043lx	667lx	297lx	167lx	74lx	42lx	27lx	19lx	10lx	7lx
Footcand.	1550fcd	387fcd	172fcd	97fcd	62fcd	28fcd	15fcd	7fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	1,1m	2,1m	3,2m	4,3m	5,4m	8,1m	10,7m	16,1m	21,5m	26,8m	32,2m	42,9m	53,7m
Beam wid.	3,5ft	7,1ft	10,5ft	14,1ft	17,6ft	26,4ft	35,2ft	52,8ft	70,4ft	88ft	105,6ft	140,9ft	176,1ft

LINEAR DISTRIBUTION DIAGRAM

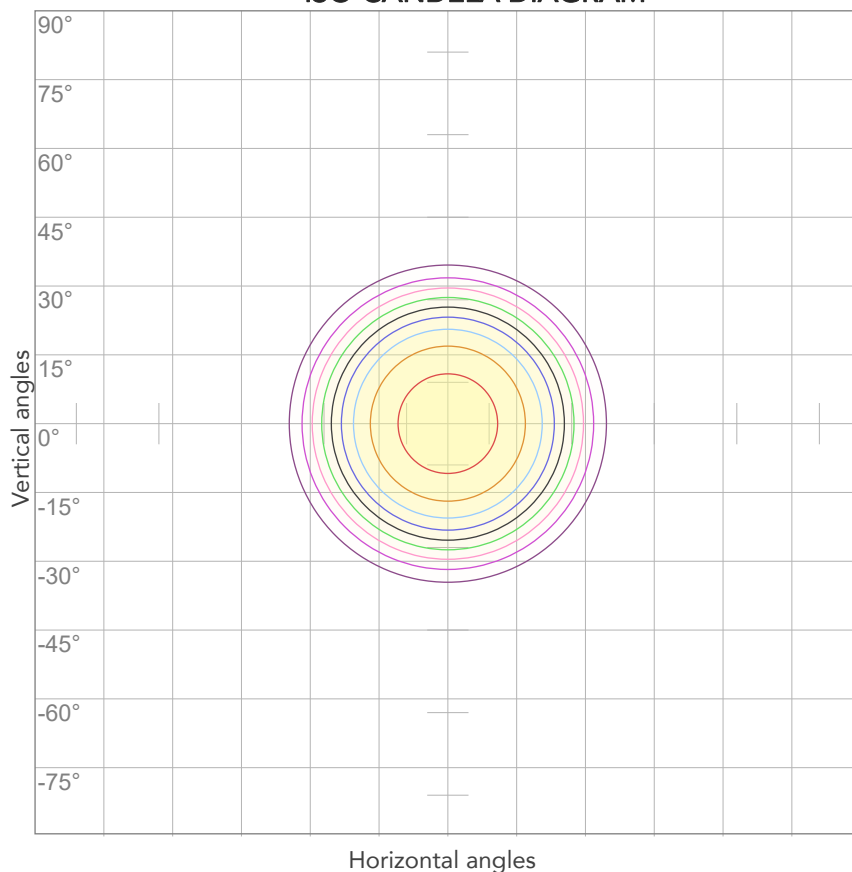


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	1,91A	426,1W	1,0	30lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



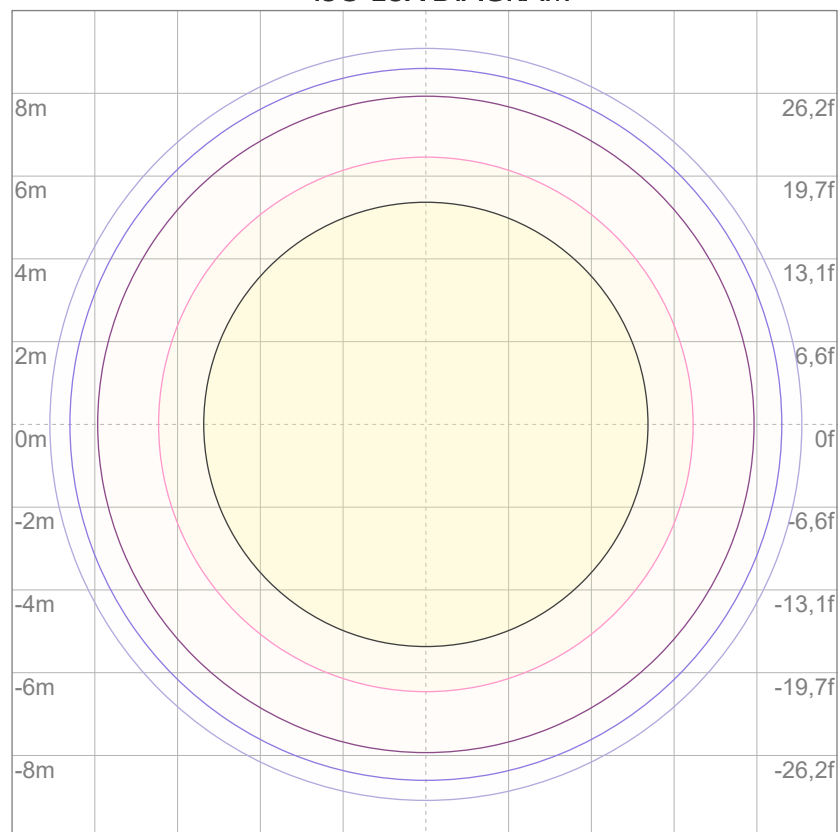
10%	1668 cd
20%	3336 cd
30%	5005 cd
40%	6673 cd
50%	8341 cd
60%	10009 cd
70%	11677 cd
80%	13346 cd

Conditions:

Number of c-planes: 2

Candela at center: 16682 cd

ISO LUX DIAGRAM



3%	5,00 lx
5%	8,34 lx
10%	16,7 lx
30%	50,0 lx
50%	83,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 167 lx

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



Total lumen output:

10816 lm

Peak candela output:

56590 cd

Light quality:

CRI: 96,9

Color temperature:

5612 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

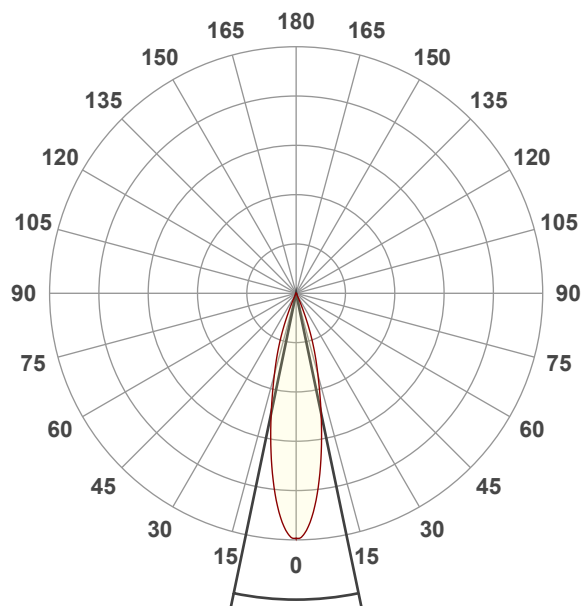
5600K - HQ

Operator:

Salvatore Giglio

Date and time:

25/03/2025 15:11:38

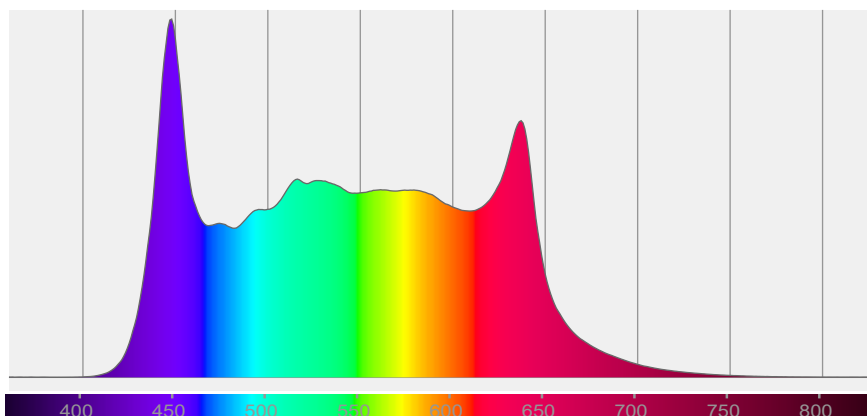


Beam angle 50%: 23,5°

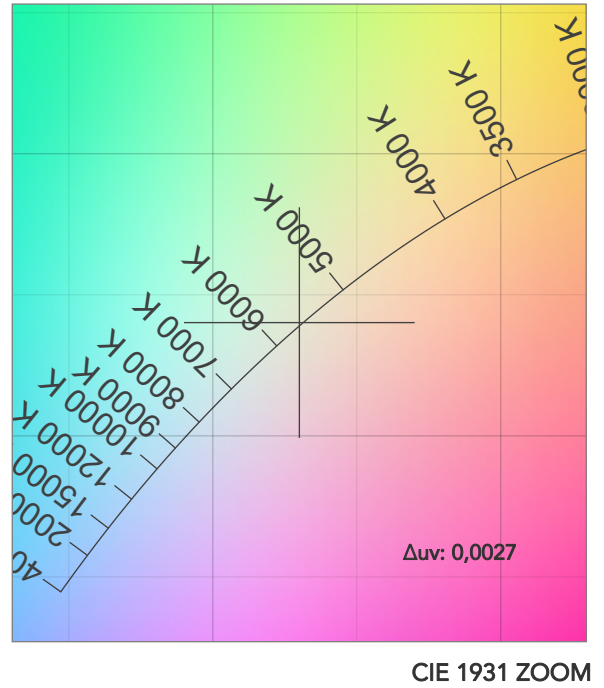
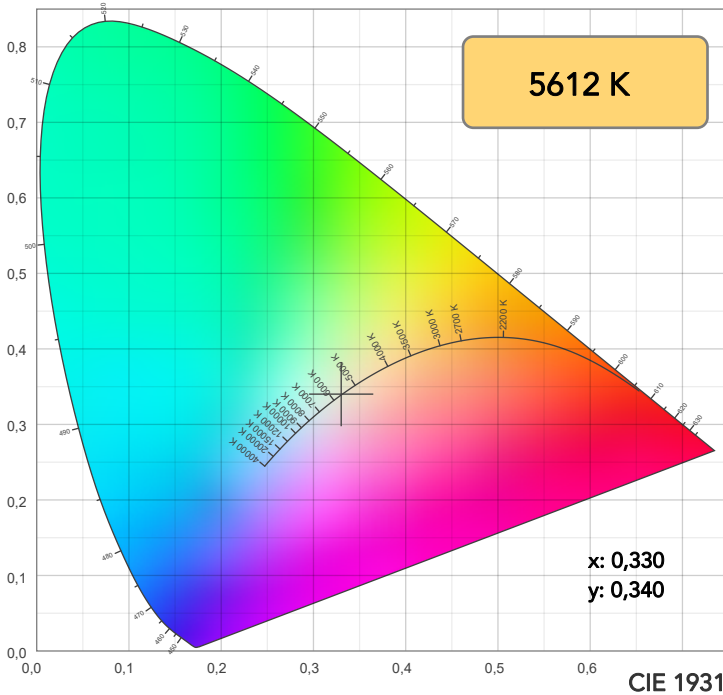
Field angle 10%: 43,3°

Cut off angle 2.5%: 49,8°

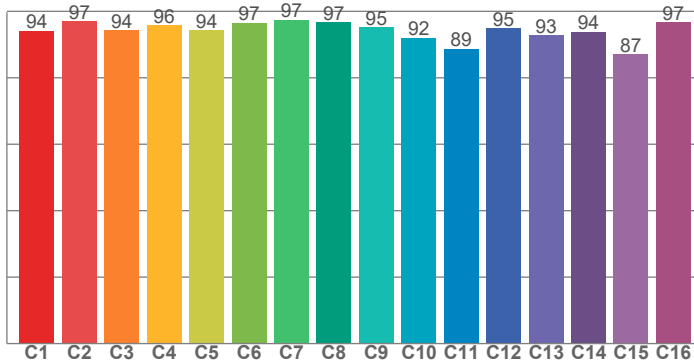
Spectra



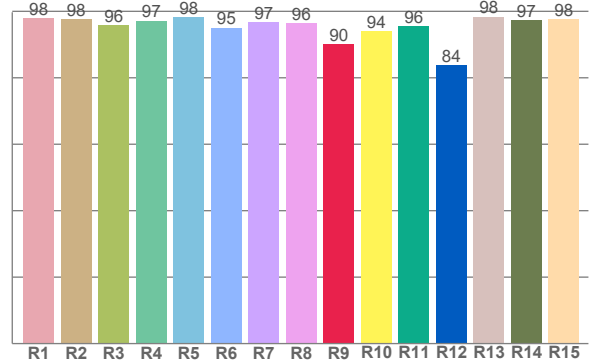
COLOR DETAILS



TM30: 94,1



CRI: 96,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,0	97,7	95,8	97,2	98,3	95,1	96,7	96,5	90,1	94,0	95,5	83,8	98,4	97,3	97,6

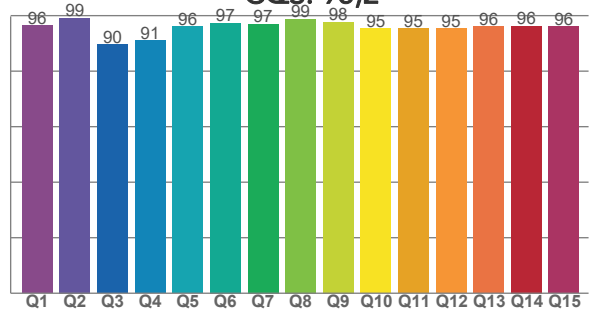
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,2	97,0	94,3	95,8	94,3	96,6	97,4	96,7	95,1	92,0	88,7	94,9	92,8	93,8	87,0	96,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,5	99,2	89,6	91,0	96,2	97,3	96,9	98,7	97,7	95,4	95,3	95,4	96,0	96,3	96,0

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
5612 K	96,9	90,1	94,1	101,3	95,2	95	0,330	0,340	0,0027

TM30 DETAILS

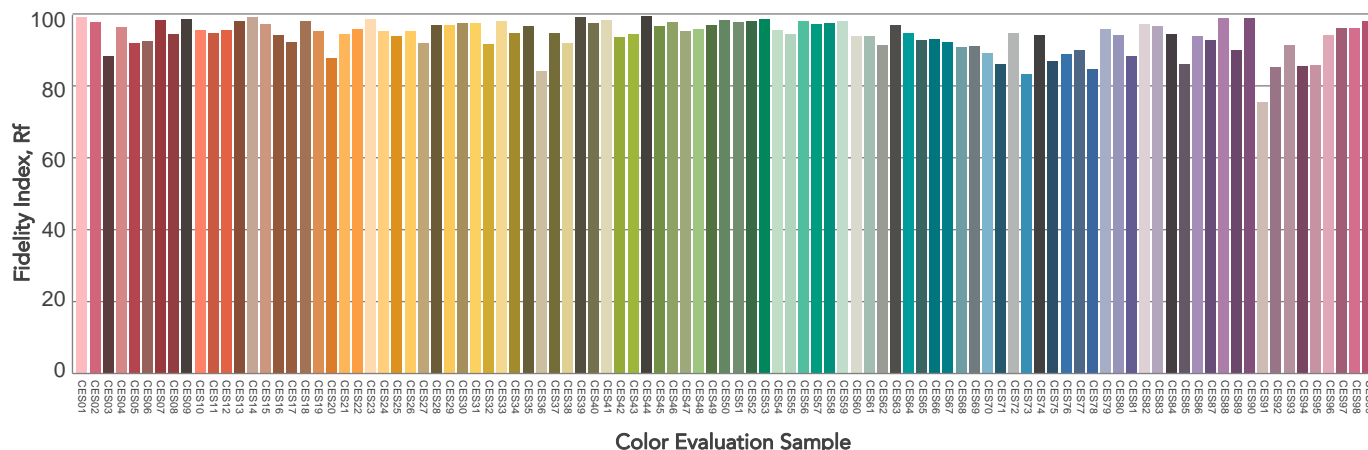
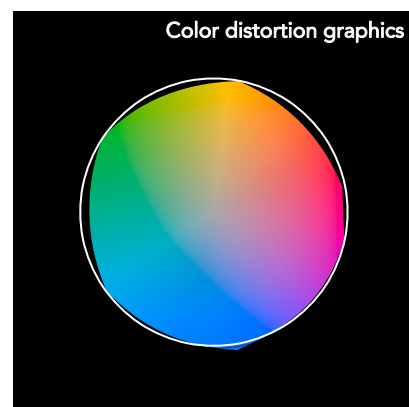
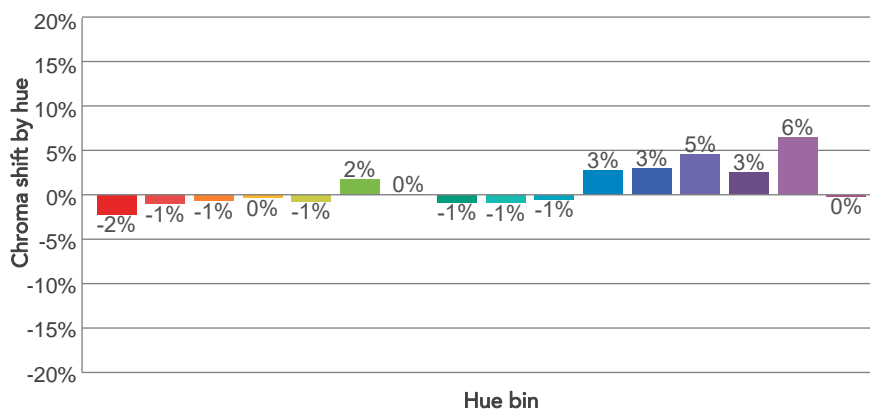
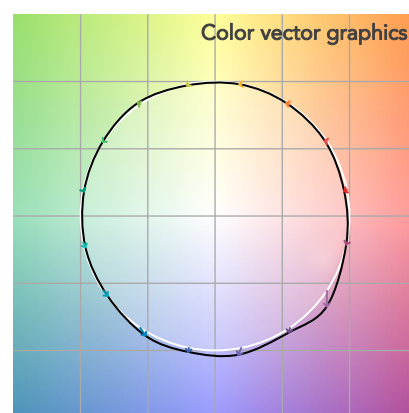
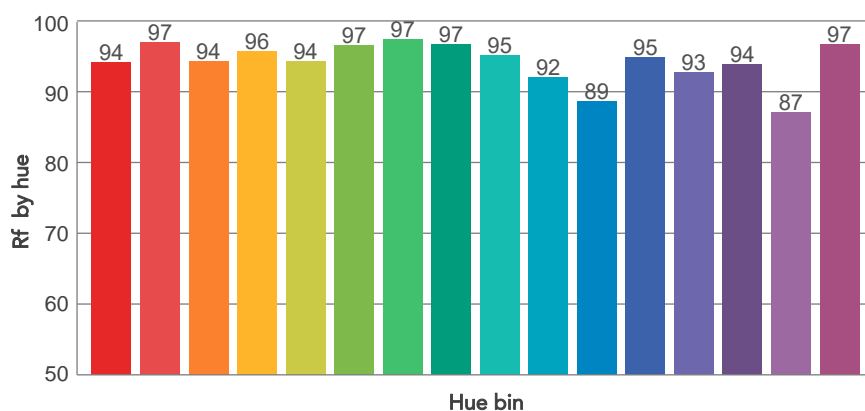
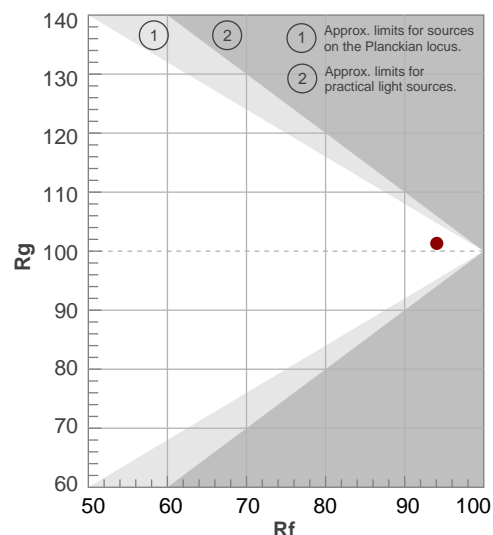
Rf 94,1

Fidelity index Rf

Rg 101,3

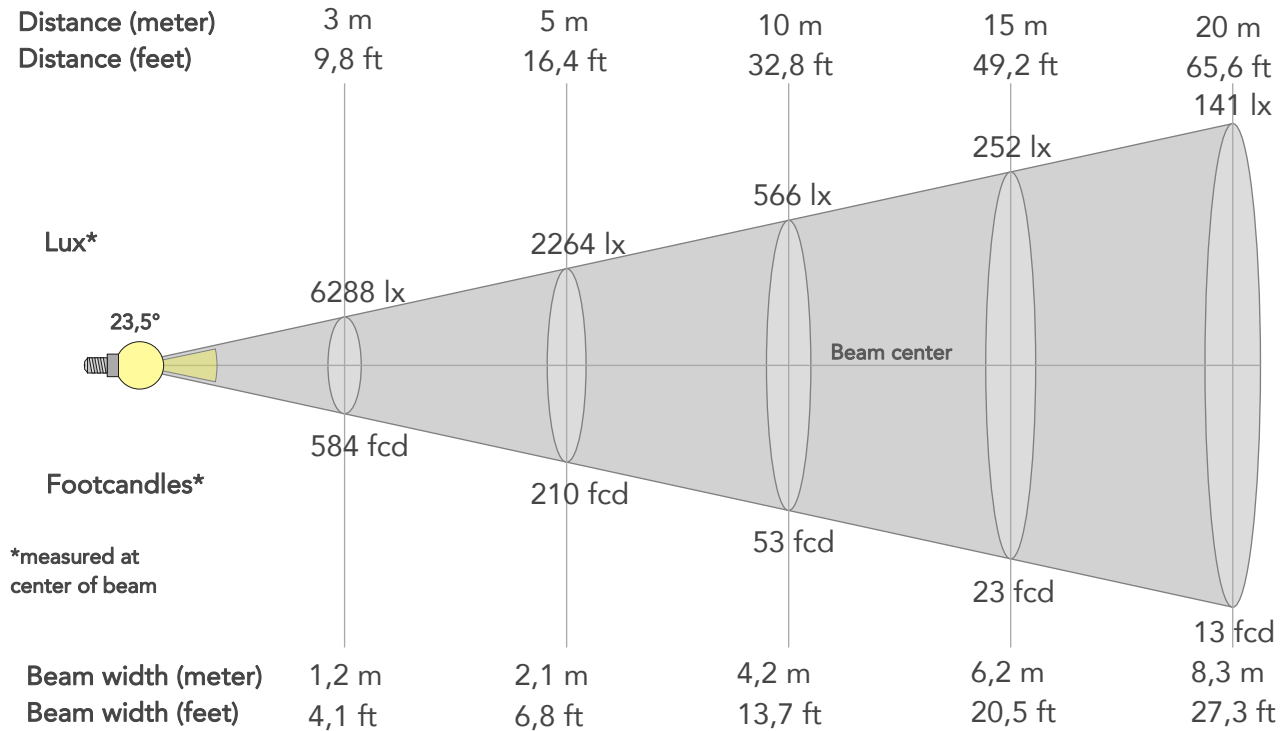
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-2%	-1%
2	97	-1%	1%
3	94	-1%	3%
4	96	0%	1%
5	94	-1%	1%
6	97	2%	1%
7	97	0%	0%
8	97	-1%	1%
9	95	-1%	4%
10	92	-1%	5%
11	89	3%	6%
12	95	3%	0%
13	93	5%	-3%
14	94	3%	-2%
15	87	6%	-10%
16	97	0%	-2%



BEAM DETAILS

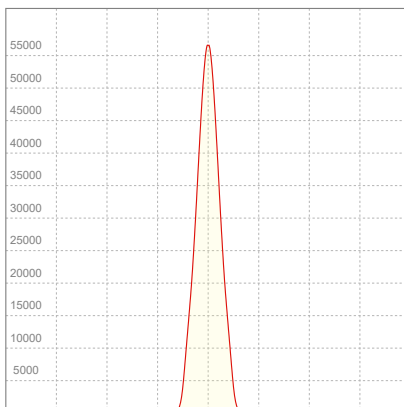
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,5°	43,3°	49,8°	99,7%	98,9%



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	56590lx	14147lx	6288lx	3537lx	2264lx	1006lx	566lx	252lx	141lx	91lx	63lx	35lx	23lx
Footcand.	5257fcd	1314fcd	584fcd	329fcd	210fcd	93fcd	53fcd	23fcd	13fcd	8fcd	6fcd	3fcd	2fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,2m	6,2m	8,3m	10,4m	12,5m	16,6m	20,8m
Beam wid.	1,4ft	2,7ft	4,1ft	5,5ft	6,8ft	10,2ft	13,7ft	20,5ft	27,3ft	34,1ft	41ft	54,6ft	68,3ft

LINEAR DISTRIBUTION DIAGRAM

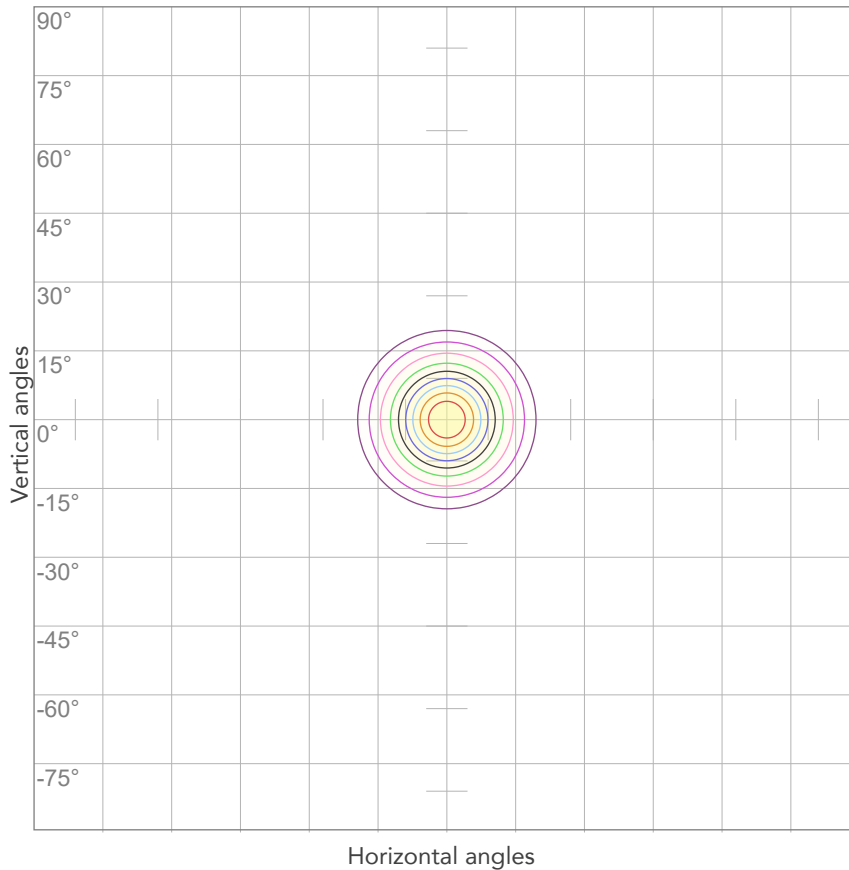


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	1,90A	425W	1,0	25lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



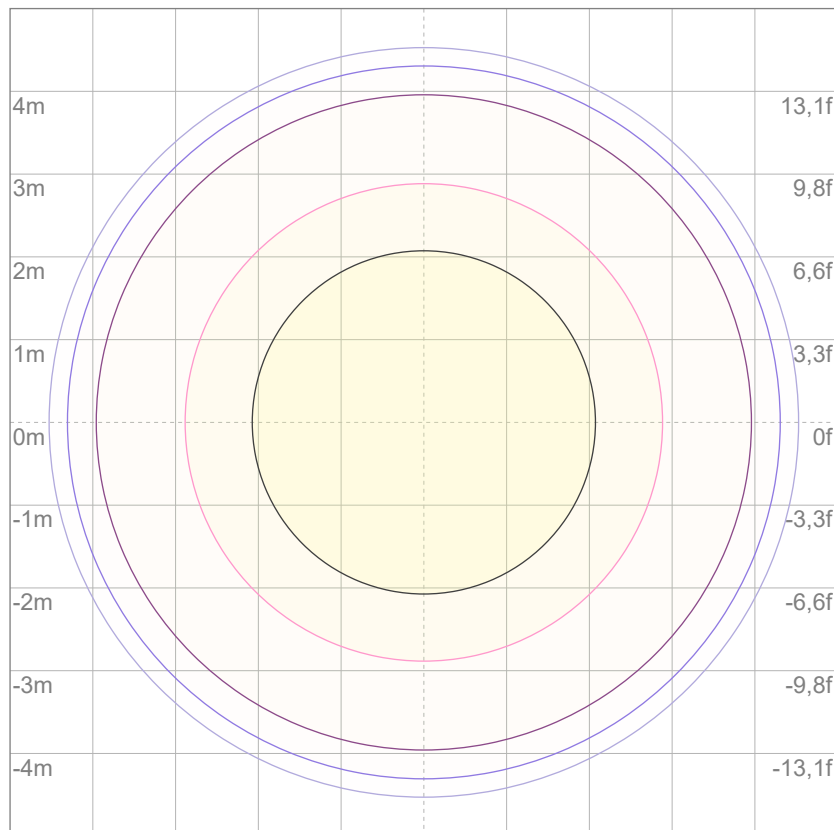
10%	5659 cd
20%	11318 cd
30%	16977 cd
40%	22636 cd
50%	28295 cd
60%	33954 cd
70%	39613 cd
80%	45272 cd

Conditions:

Number of c-planes: 2

Candela at center: 56590 cd

ISO LUX DIAGRAM



3%	17,0 lx
5%	28,3 lx
10%	56,6 lx
30%	170 lx
50%	283 lx

Conditions:

Number of c-planes: 2

Lux at center: 566 lx

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



Total lumen output:

6382 lm

Peak candela output:

162858 cd

Light quality:

CRI: 97,4

Color temperature:

5637 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

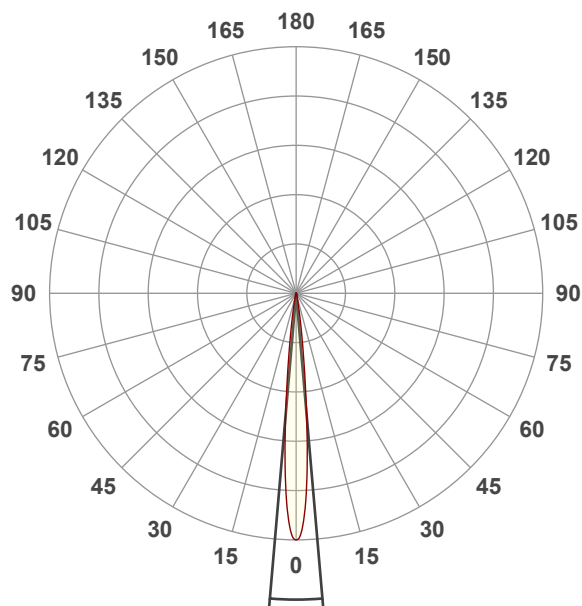
5600K - HQ

Operator:

Salvatore Giglio

Date and time:

25/03/2025 16:51:39

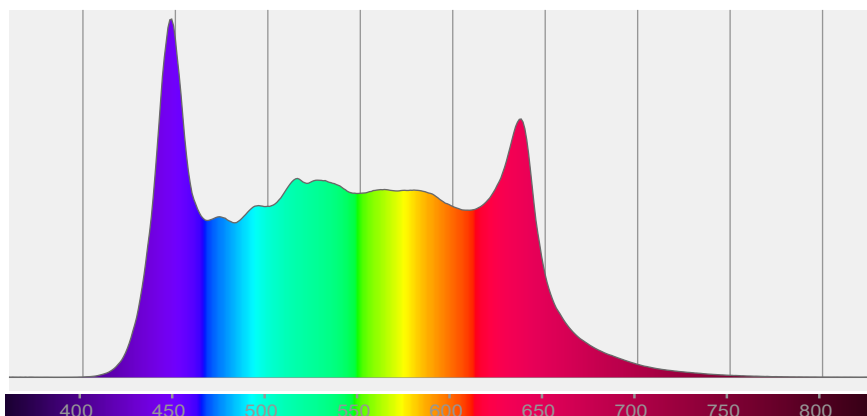


Beam angle 50%: 9,8°

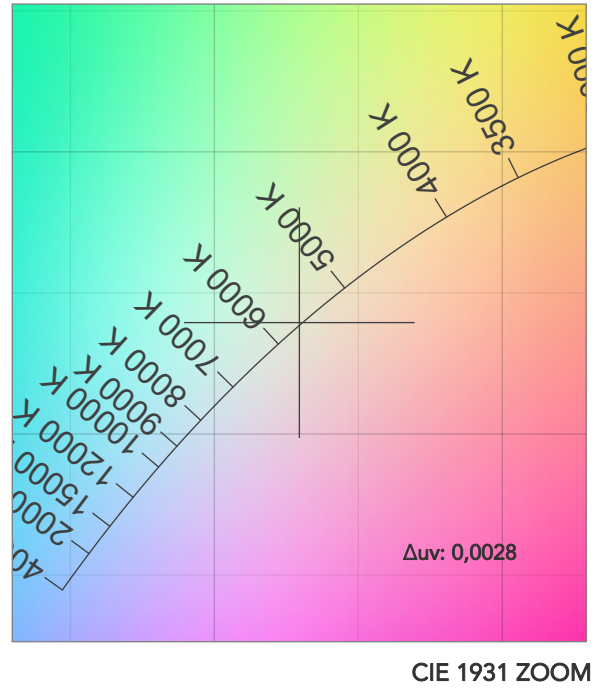
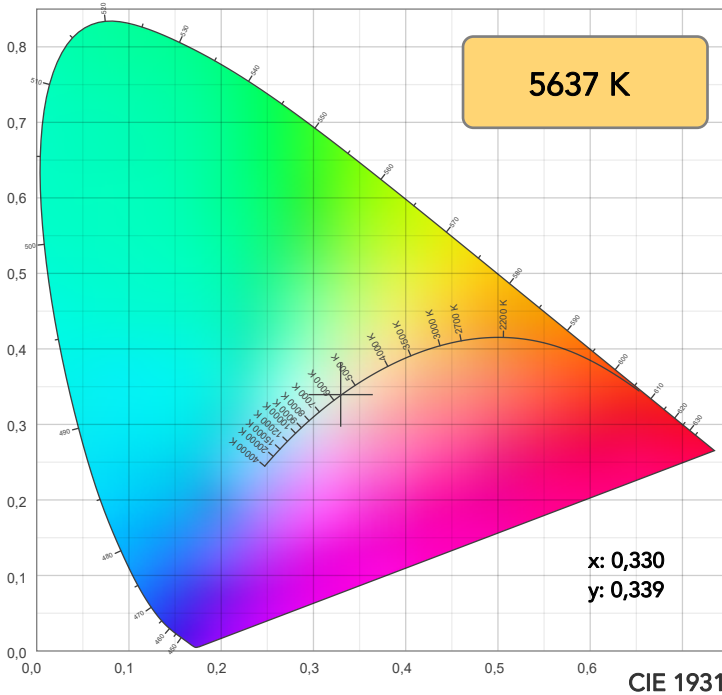
Field angle 10%: 18°

Cut off angle 2.5%: 25°

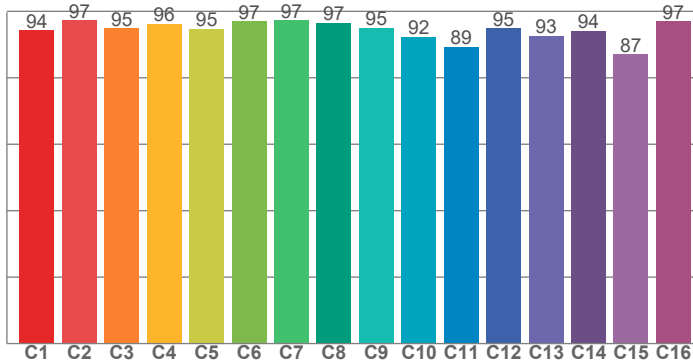
Spectra



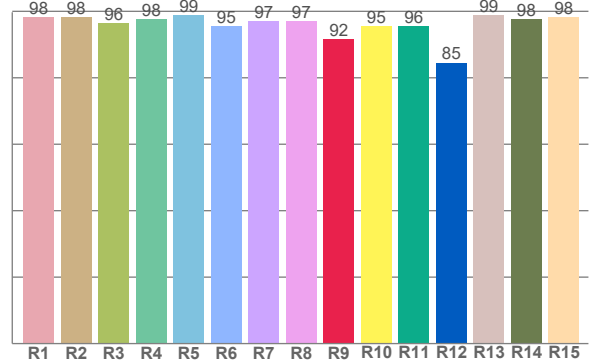
COLOR DETAILS



TM30: 94,3



CRI: 97,4 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,3	98,2	96,5	97,7	98,7	95,5	97,1	97,0	91,7	95,4	95,6	84,5	99,0	97,6	98,1

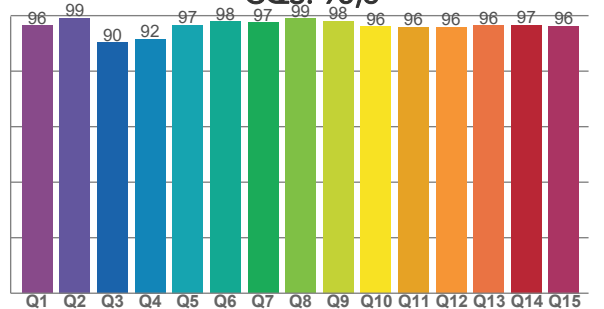
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,4	97,2	94,9	96,2	94,7	96,9	97,2	96,6	95,1	92,4	89,3	94,9	92,6	94,2	87,1	97,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,5	99,1	90,4	91,6	96,6	97,9	97,5	98,9	98,1	96,1	95,9	95,9	96,4	96,7	96,3

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
5637 K	97,4	91,7	94,3	101,2	95,6	95	0,330	0,339	0,0028

TM30 DETAILS

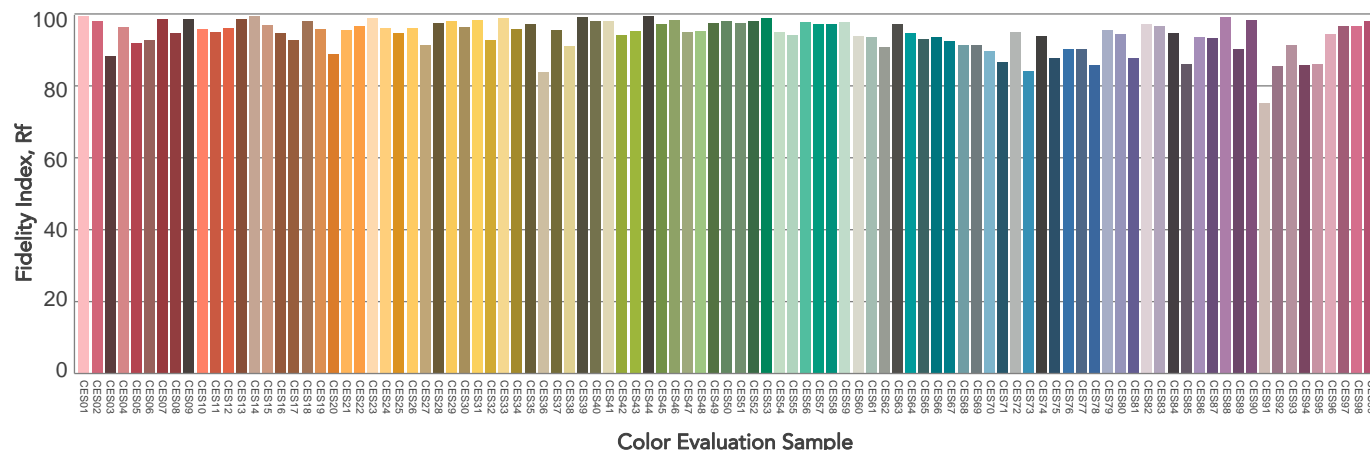
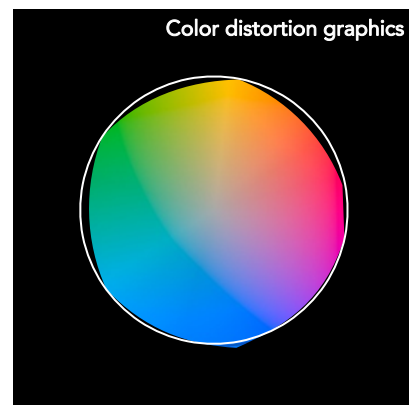
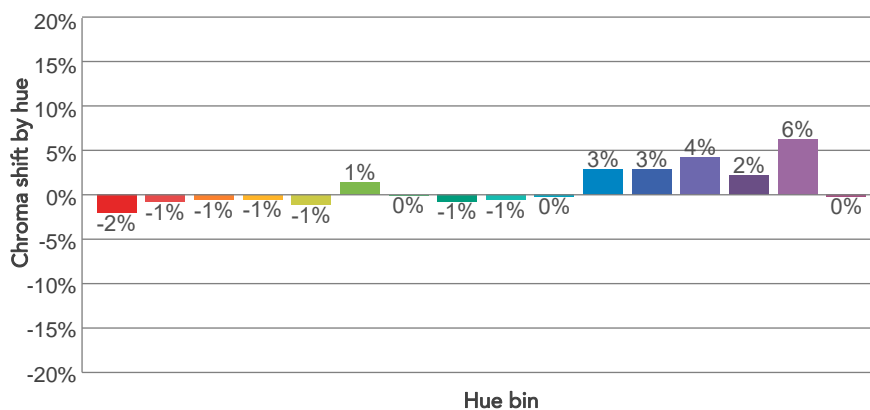
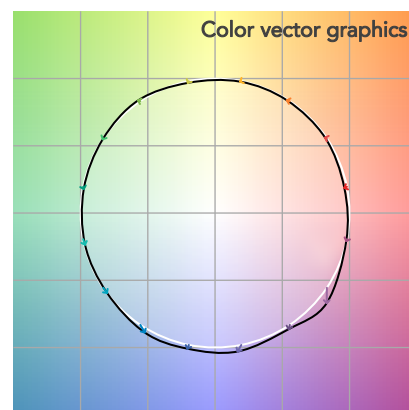
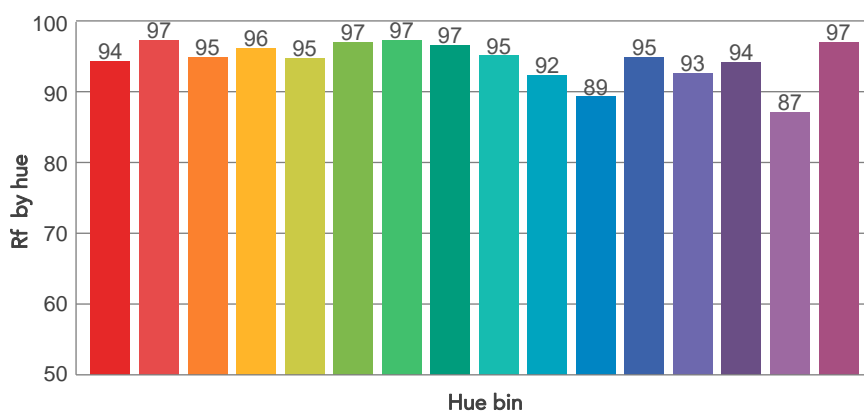
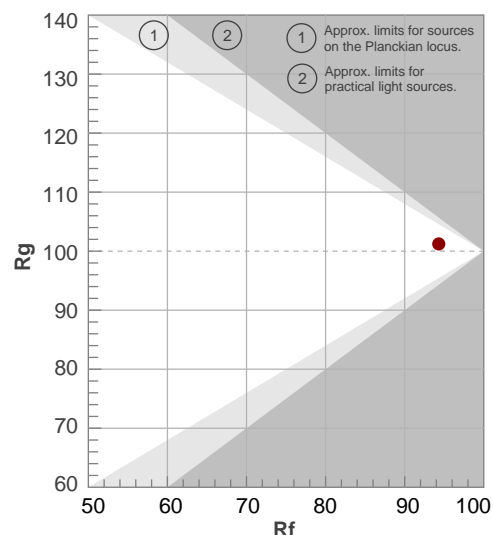
Rf 94,3

Fidelity index Rf

Rg 101,2

Gammut index

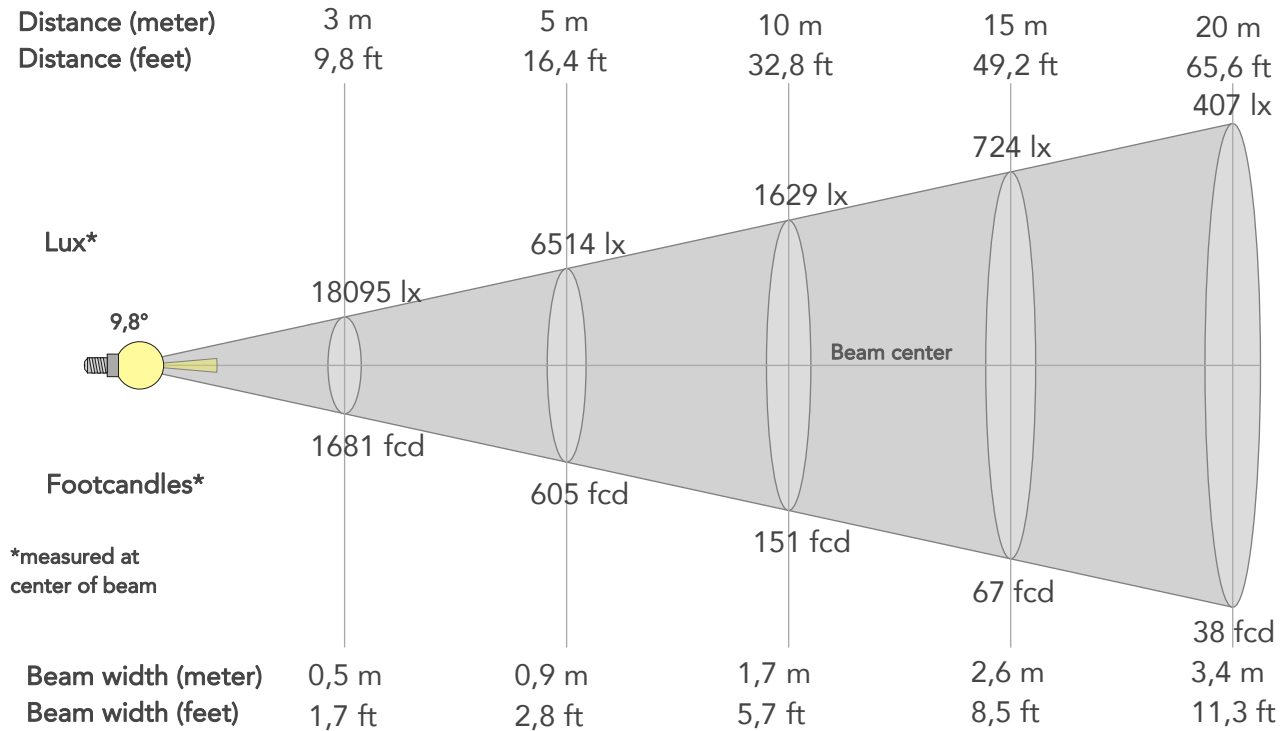
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-2%	0%
2	97	-1%	1%
3	95	-1%	2%
4	96	-1%	1%
5	95	-1%	1%
6	97	1%	1%
7	97	0%	1%
8	97	-1%	2%
9	95	-1%	4%
10	92	0%	5%
11	89	3%	6%
12	95	3%	0%
13	93	4%	-4%
14	94	2%	-2%
15	87	6%	-10%
16	97	0%	-1%



BEAM DETAILS



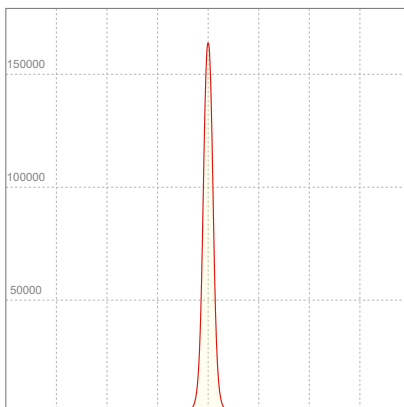
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,8°	18°	25°	99,5%	97,9%



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	162858lx	40715lx	18095lx	10179lx	6514lx	2895lx	1629lx	724lx	407lx	261lx	181lx	102lx	65lx
Footcand.	15130fcd	3783fcd	1681fcd	946fcd	605fcd	269fcd	151fcd	67fcd	38fcd	24fcd	17fcd	9fcd	6fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,4m	4,3m	5,2m	6,9m	8,6m
Beam wid.	0,6ft	1,1ft	1,7ft	2,3ft	2,8ft	4,2ft	5,7ft	8,5ft	11,3ft	14,1ft	17ft	22,6ft	28,3ft

LINEAR DISTRIBUTION DIAGRAM

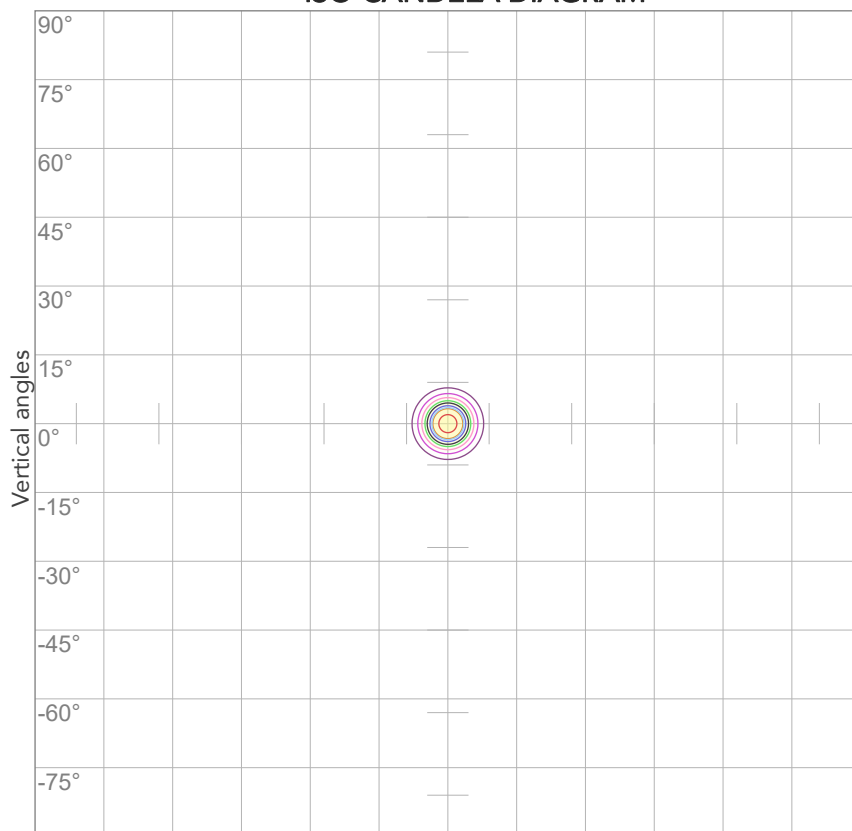


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	1,89A	423,9W	1,0	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



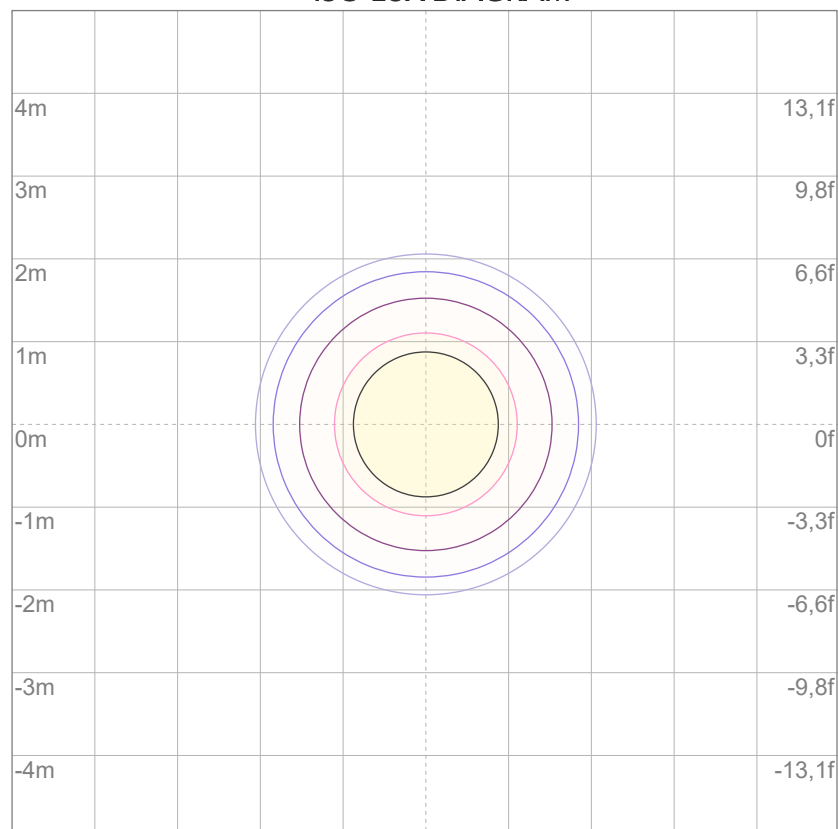
10%	16286 cd
20%	32572 cd
30%	48857 cd
40%	65143 cd
50%	81429 cd
60%	97715 cd
70%	114001 cd
80%	130286 cd

Conditions:

Number of c-planes: 2

Candela at center: 162858 cd

ISO LUX DIAGRAM



3%	48,9 lx
5%	81,4 lx
10%	163 lx
30%	489 lx
50%	814 lx

Conditions:

Number of c-planes: 2

Lux at center: 1629 lx

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



Total lumen output:

12740 lm

Peak candela output:

16605 cd

Light quality:

CRI: 96,8

Color temperature:

5981 K

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

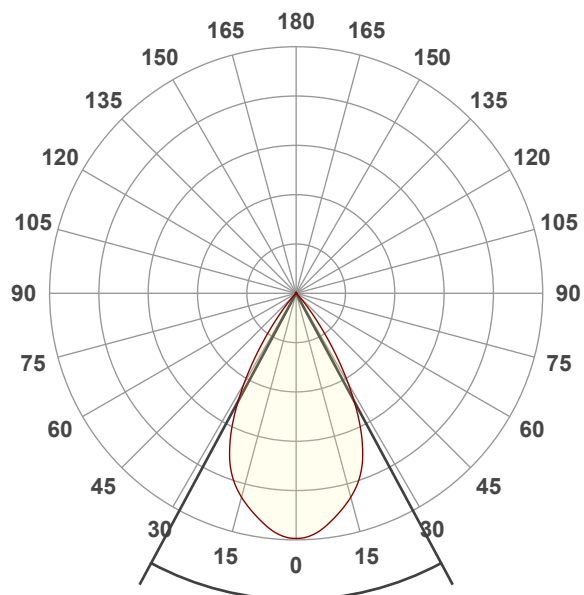
6000K - HQ

Operator:

Salvatore Giglio

Date and time:

25/03/2025 16:23:55

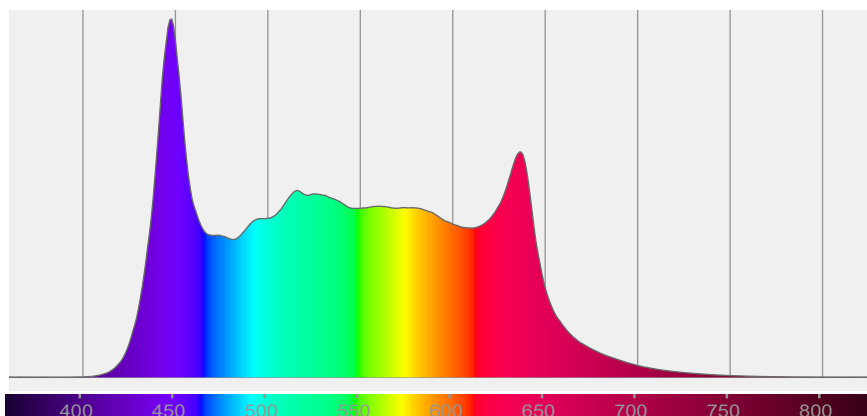


Beam angle 50%: 56,5°

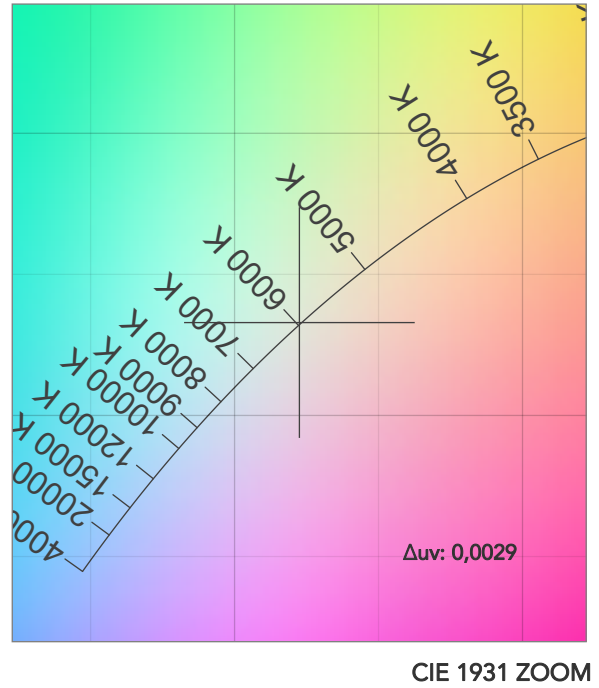
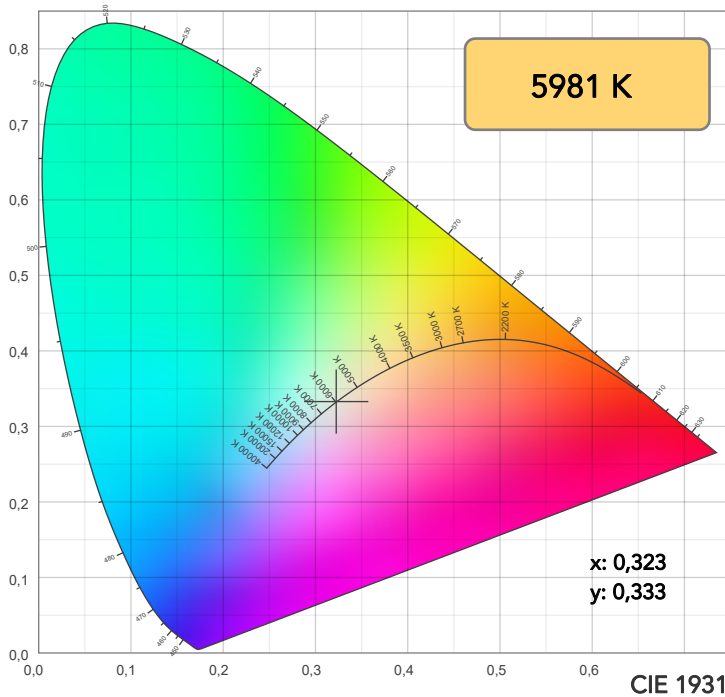
Field angle 10%: 76,9°

Cut off angle 2.5%: 85,6°

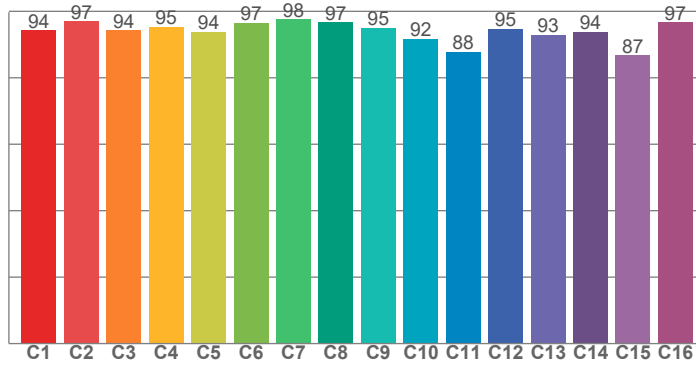
Spectra



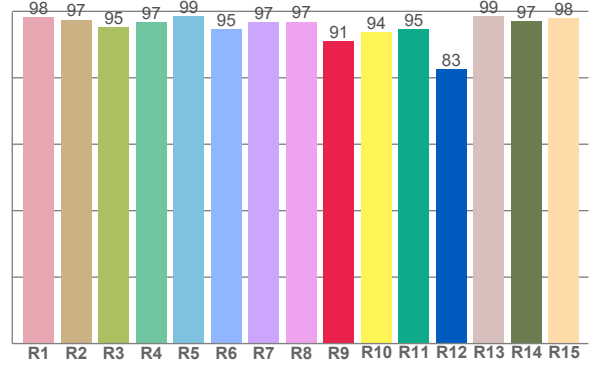
COLOR DETAILS



TM30: 93,9



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
98,1	97,5	95,2	96,7	98,5	94,7	96,6	96,9	91,1	93,6	94,6	82,7	98,5	97,1	98,0

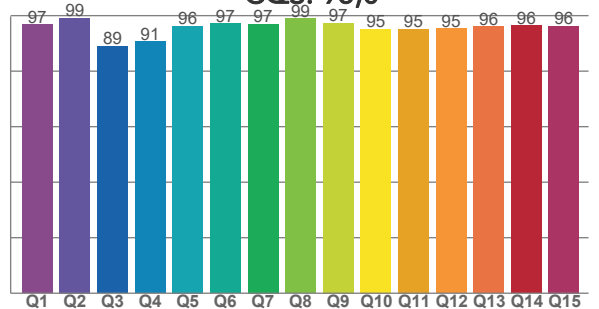
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,3	97,0	94,3	95,3	93,8	96,5	97,5	96,7	95,0	91,7	87,9	94,8	92,9	93,8	86,7	96,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,8	99,2	89,0	90,6	96,2	97,2	97,0	99,0	97,4	95,1	95,2	95,3	96,1	96,4	96,3

CQS: 95,0



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5981 K	96,8	91,1	93,9	101,6	95,0	95	0,323	0,333	0,0029

TM30 DETAILS

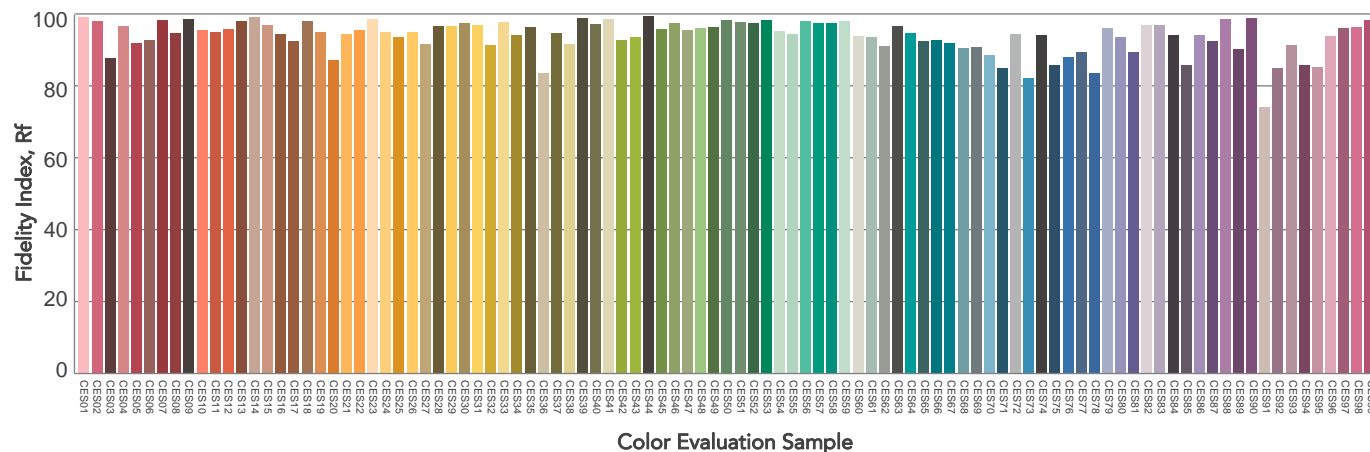
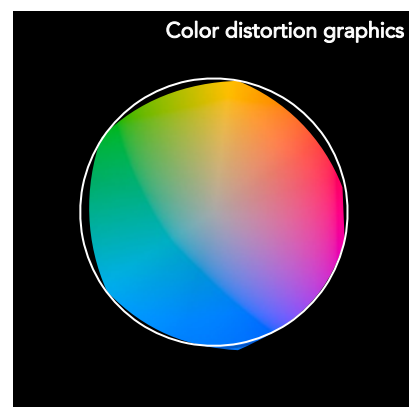
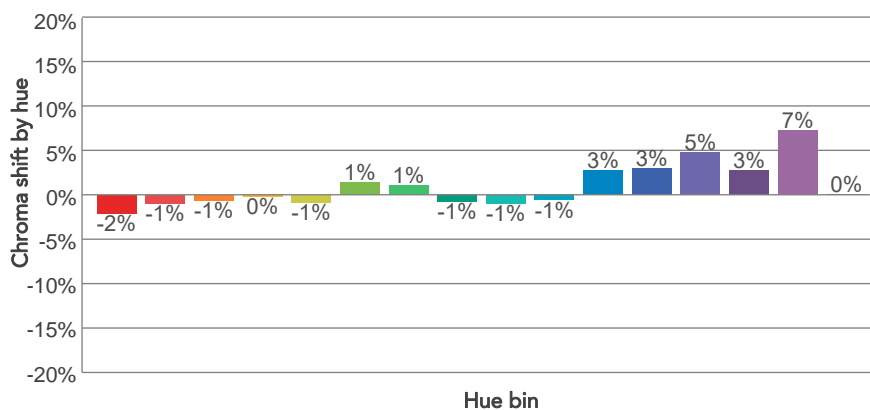
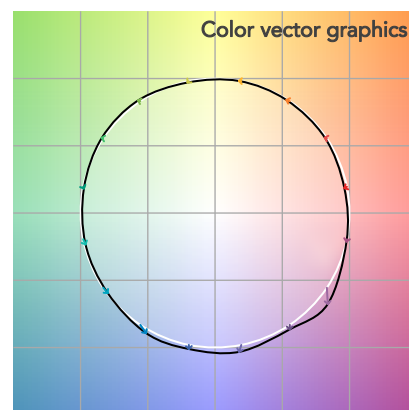
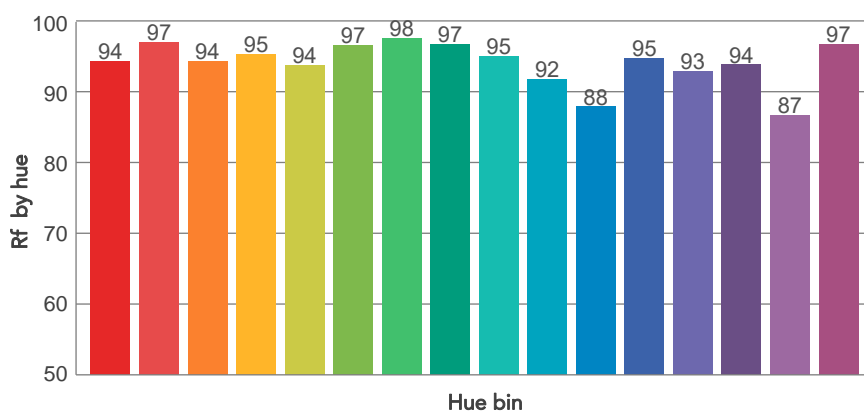
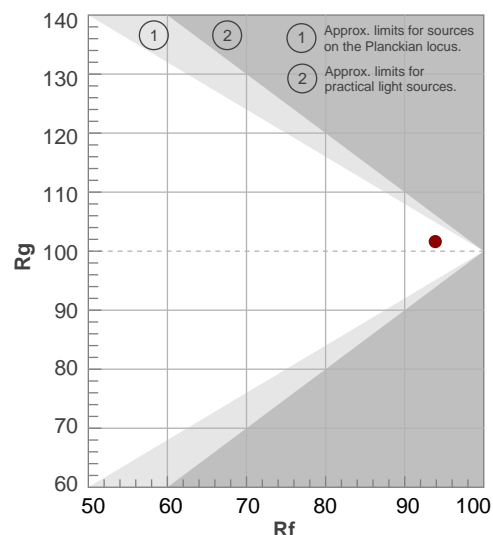
Rf 93,9

Fidelity index Rf

Rg 101,6

Gammut index

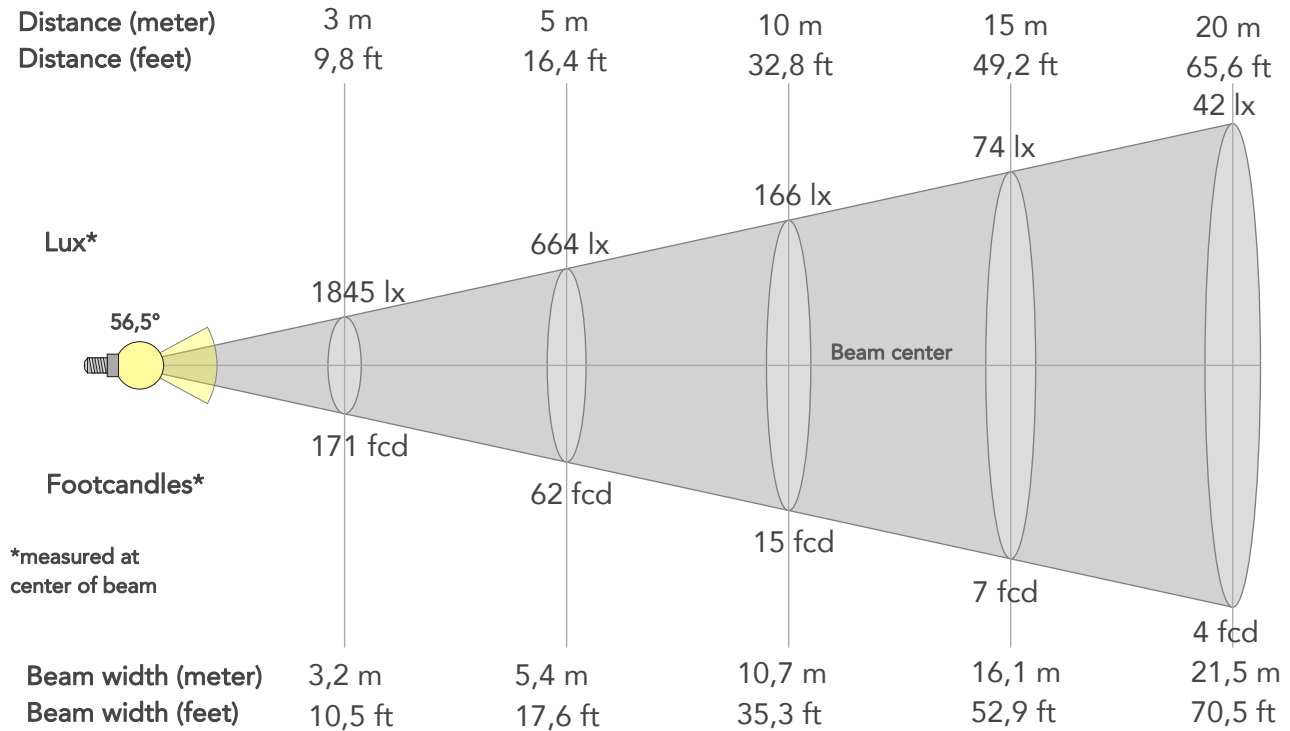
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-2%	-1%
2	97	-1%	1%
3	94	-1%	3%
4	95	0%	2%
5	94	-1%	1%
6	97	1%	1%
7	98	1%	0%
8	97	-1%	1%
9	95	-1%	4%
10	92	-1%	5%
11	88	3%	7%
12	95	3%	1%
13	93	5%	-3%
14	94	3%	-2%
15	87	7%	-10%
16	97	0%	-2%



BEAM DETAILS



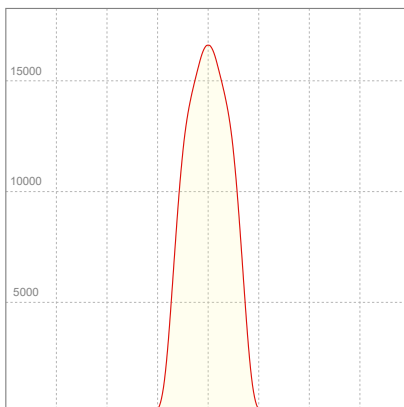
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,5°	76,9°	85,6°	99,7%	99,2%



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	16605lx	4151lx	1845lx	1038lx	664lx	295lx	166lx	74lx	42lx	27lx	18lx	10lx	7lx
Footcand.	1543fcd	386fcd	171fcd	96fcd	62fcd	27fcd	15fcd	7fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	1,1m	2,1m	3,2m	4,3m	5,4m	8,1m	10,7m	16,1m	21,5m	26,9m	32,2m	43m	53,7m
Beam wid.	3,5ft	7,1ft	10,5ft	14,1ft	17,6ft	26,4ft	35,3ft	52,9ft	70,5ft	88,1ft	105,8ft	141ft	176,3ft

LINEAR DISTRIBUTION DIAGRAM

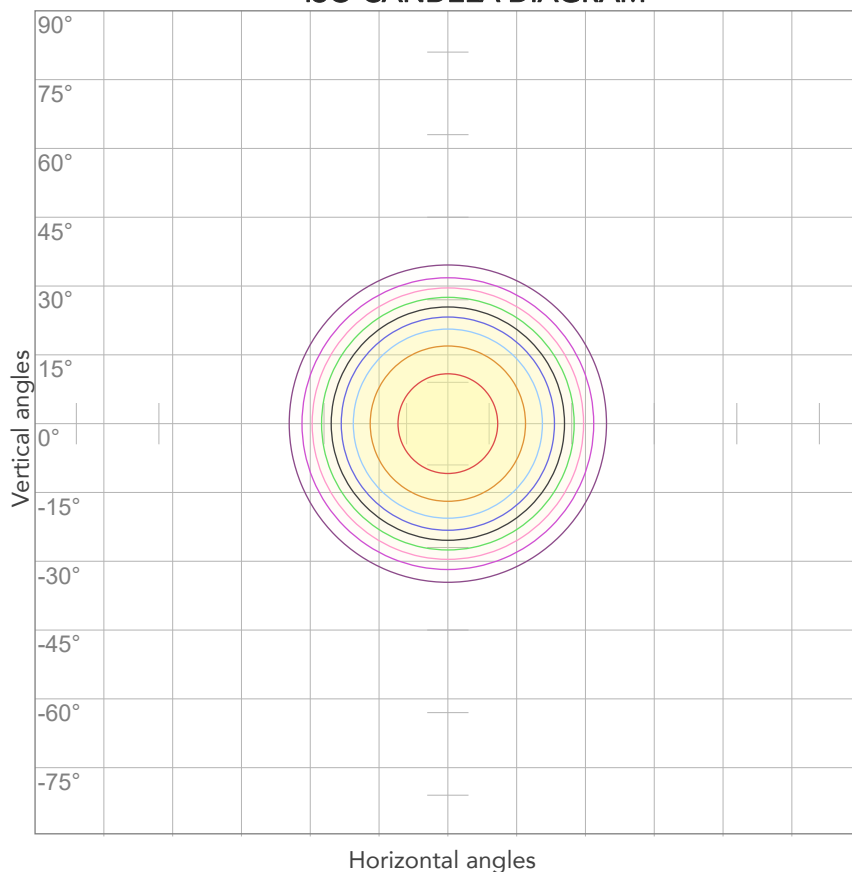


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
223V	1,92A	425,7W	1,0	30lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



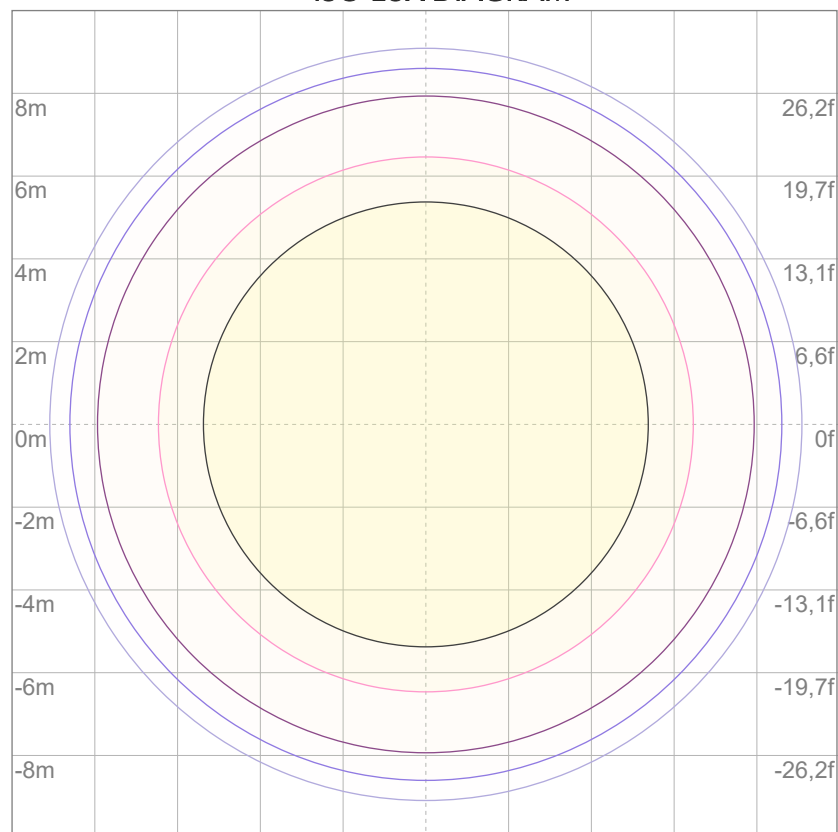
10%	1660 cd
20%	3321 cd
30%	4981 cd
40%	6642 cd
50%	8302 cd
60%	9963 cd
70%	11623 cd
80%	13284 cd

Conditions:

Number of c-planes: 2

Candela at center: 16605 cd

ISO LUX DIAGRAM



3%	4,98 lx
5%	8,30 lx
10%	16,6 lx
30%	49,8 lx
50%	83,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 166 lx

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



Total lumen output:

10768 lm

Peak candela output:

56275 cd

Light quality:

CRI: 96,8

Color temperature:

6010 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

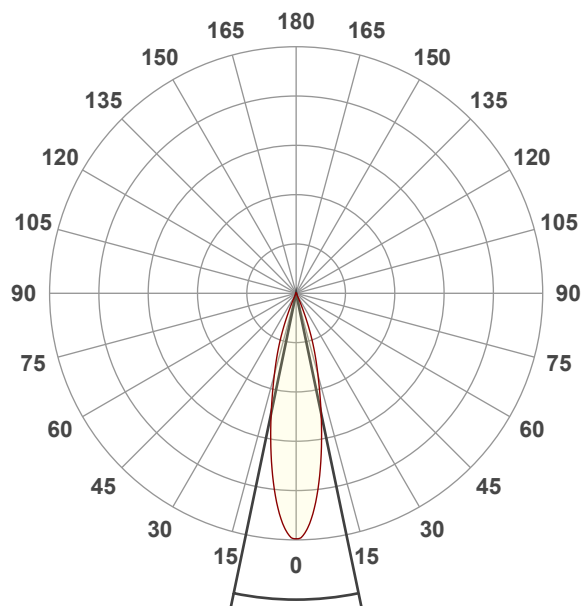
6000K - HQ

Operator:

Salvatore Giglio

Date and time:

25/03/2025 15:40:00

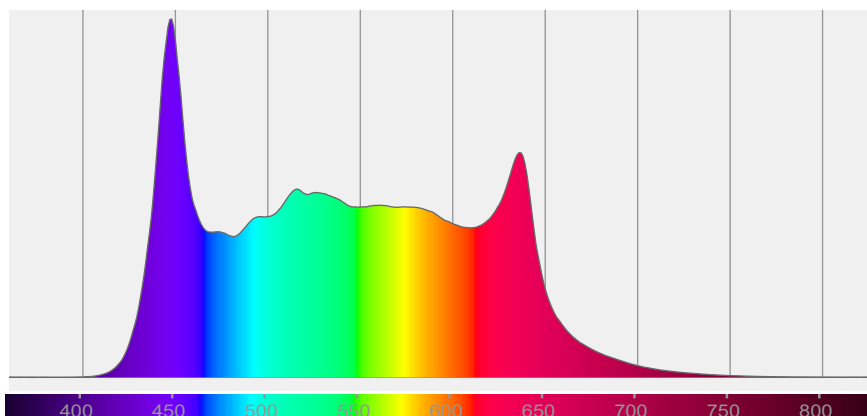


Beam angle 50%: 23,5°

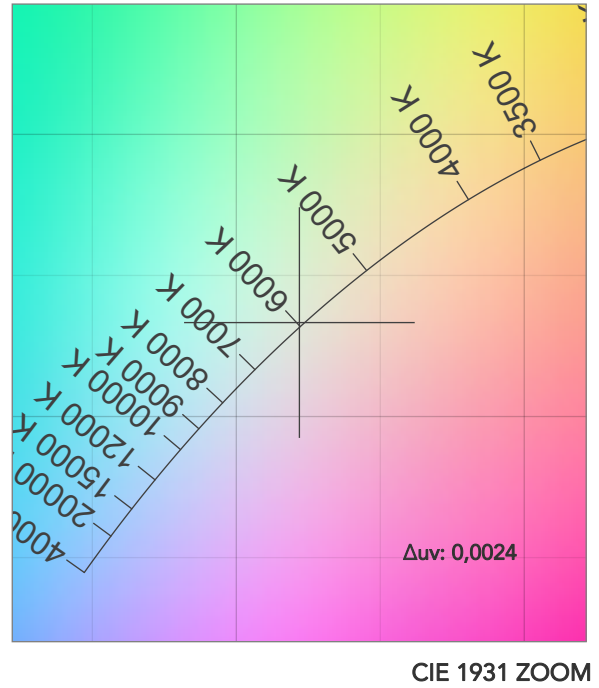
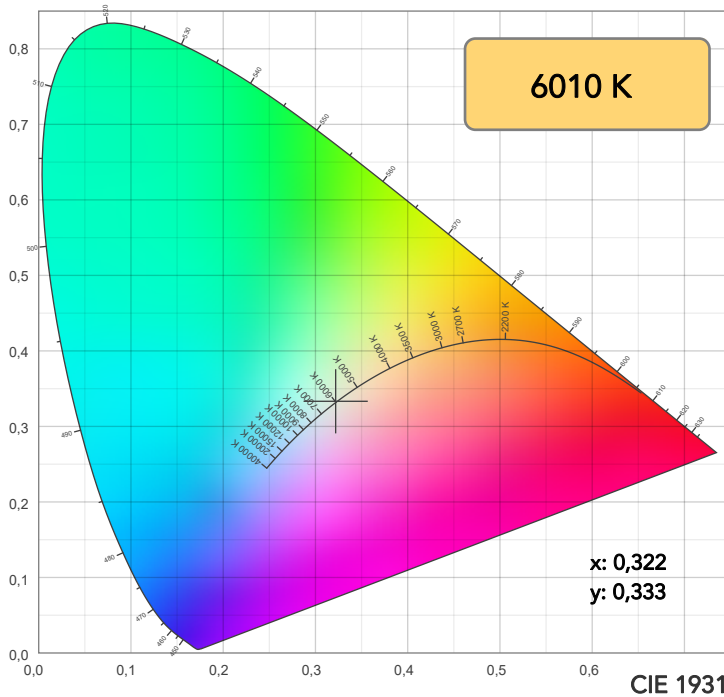
Field angle 10%: 43,3°

Cut off angle 2.5%: 49,8°

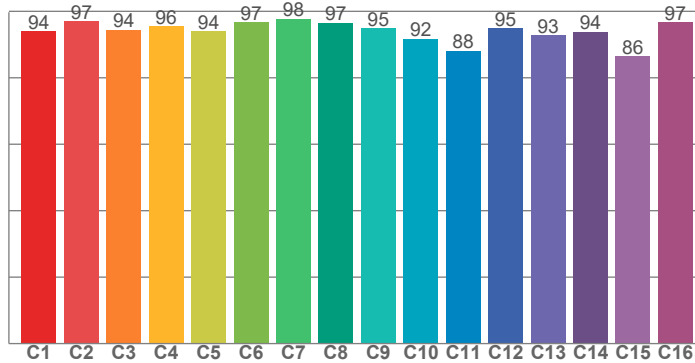
Spectra



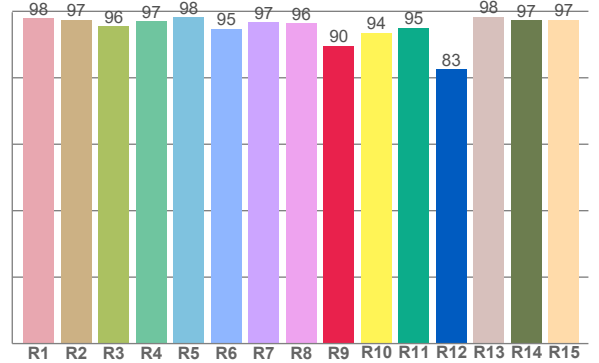
COLOR DETAILS



TM30: 93,9



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
98,0	97,5	95,5	97,1	98,2	94,8	96,8	96,5	89,7	93,6	95,1	82,5	98,4	97,2	97,5

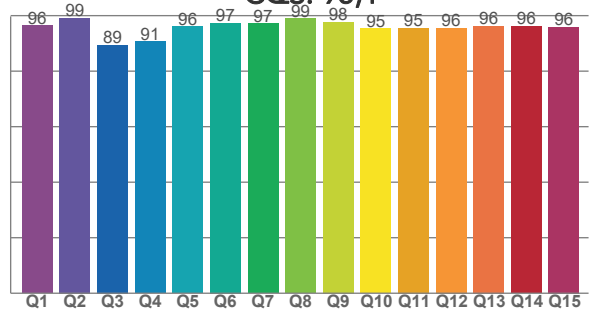
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,0	97,0	94,4	95,6	93,9	96,7	97,7	96,6	94,9	91,7	88,1	94,9	92,8	93,9	86,5	96,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,4	99,2	89,3	90,7	96,1	97,4	97,1	98,9	97,7	95,4	95,5	95,6	96,2	96,2	96,0

CQS: 95,1



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6010 K	96,8	89,7	93,9	101,3	95,1	95	0,322	0,333	0,0024

TM30 DETAILS

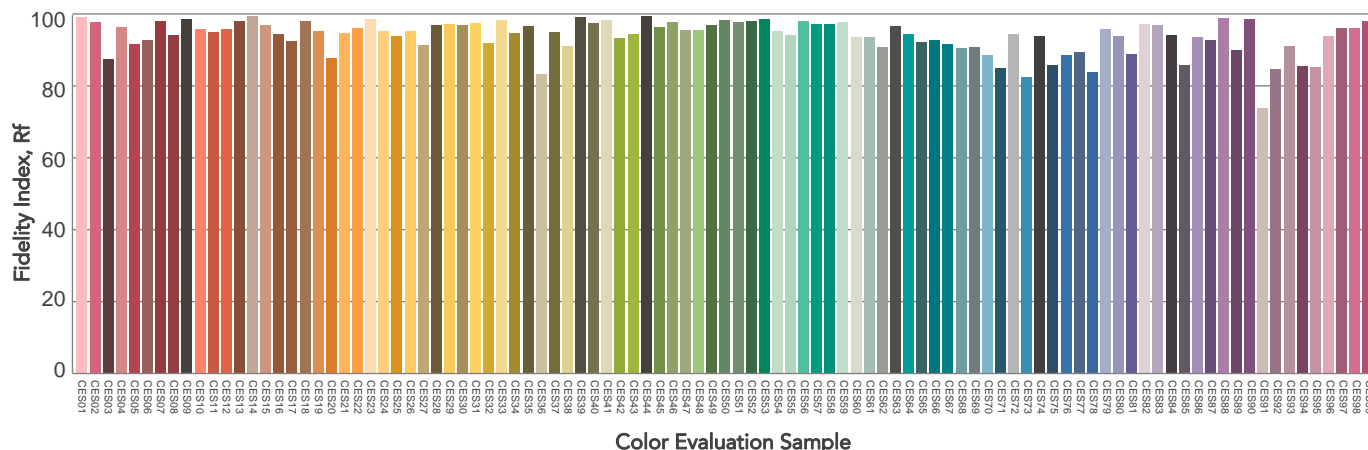
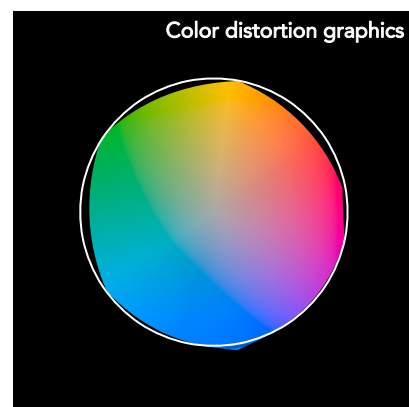
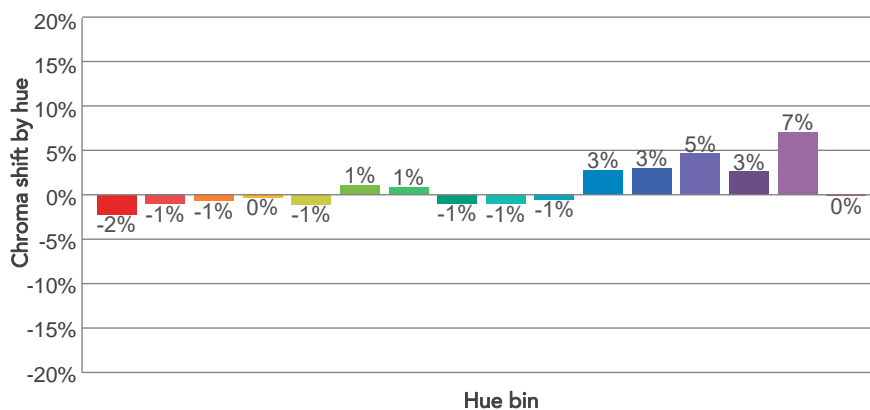
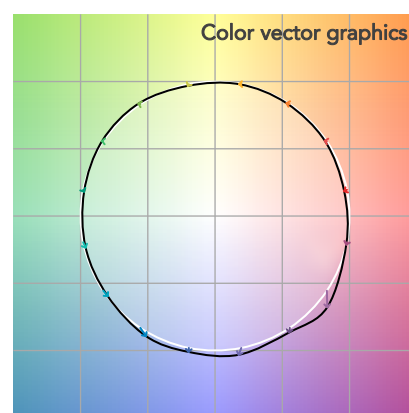
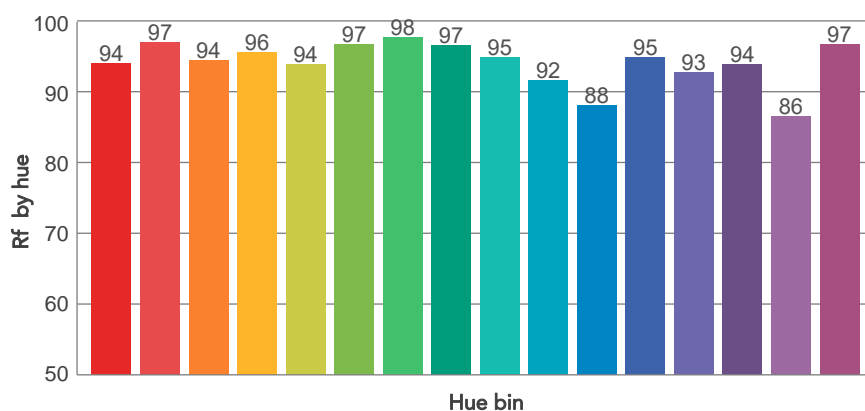
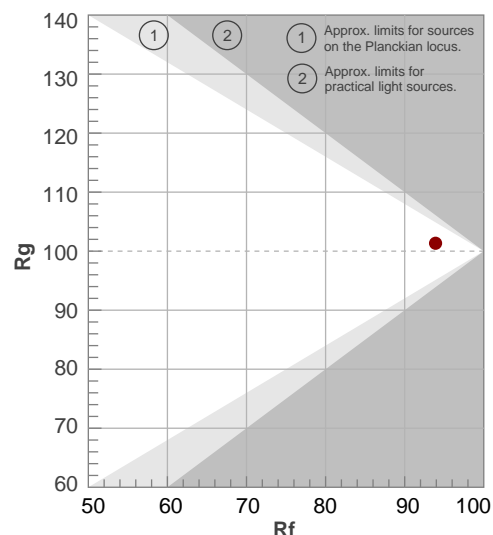
Rf 93,9

Fidelity index Rf

Rg 101,3

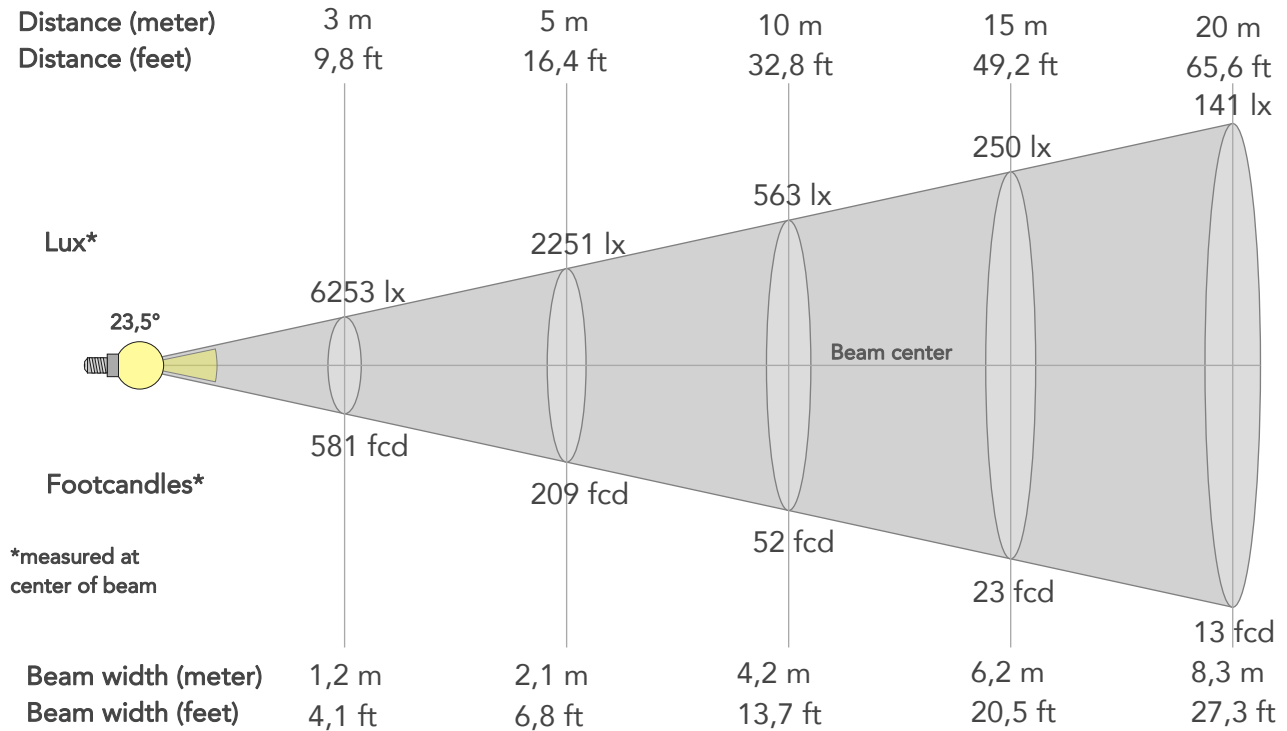
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-2%	-1%
2	97	-1%	1%
3	94	-1%	2%
4	96	0%	2%
5	94	-1%	1%
6	97	1%	1%
7	98	1%	0%
8	97	-1%	1%
9	95	-1%	4%
10	92	-1%	5%
11	88	3%	7%
12	95	3%	0%
13	93	5%	-3%
14	94	3%	-2%
15	86	7%	-10%
16	97	0%	-2%



BEAM DETAILS

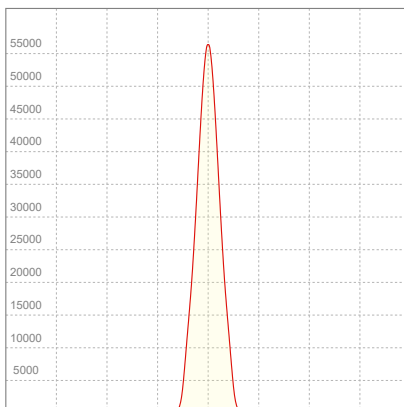
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,5°	43,3°	49,8°	99,6%	98,8%



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	56275lx	14069lx	6253lx	3517lx	2251lx	1000lx	563lx	250lx	141lx	90lx	63lx	35lx	23lx
Footcand.	5228fcd	1307fcd	581fcd	327fcd	209fcd	93fcd	52fcd	23fcd	13fcd	8fcd	6fcd	3fcd	2fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,2m	6,2m	8,3m	10,4m	12,5m	16,7m	20,8m
Beam wid.	1,4ft	2,7ft	4,1ft	5,5ft	6,8ft	10,2ft	13,7ft	20,5ft	27,3ft	34,1ft	41ft	54,6ft	68,3ft

LINEAR DISTRIBUTION DIAGRAM

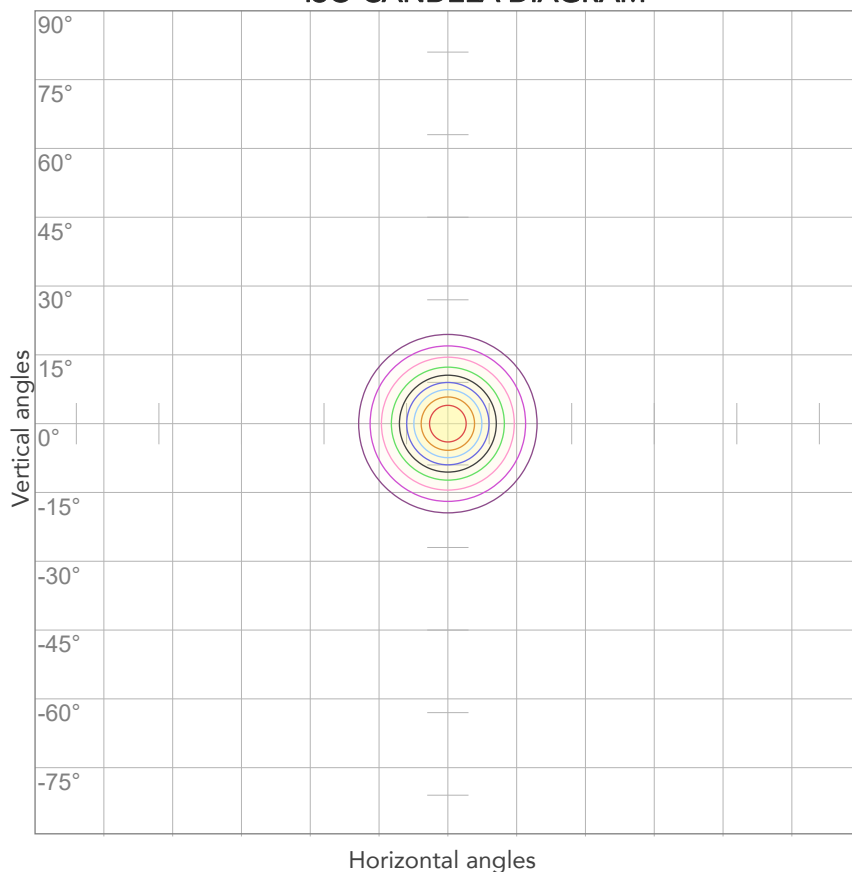


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	1,88A	424,2W	1,0	25lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



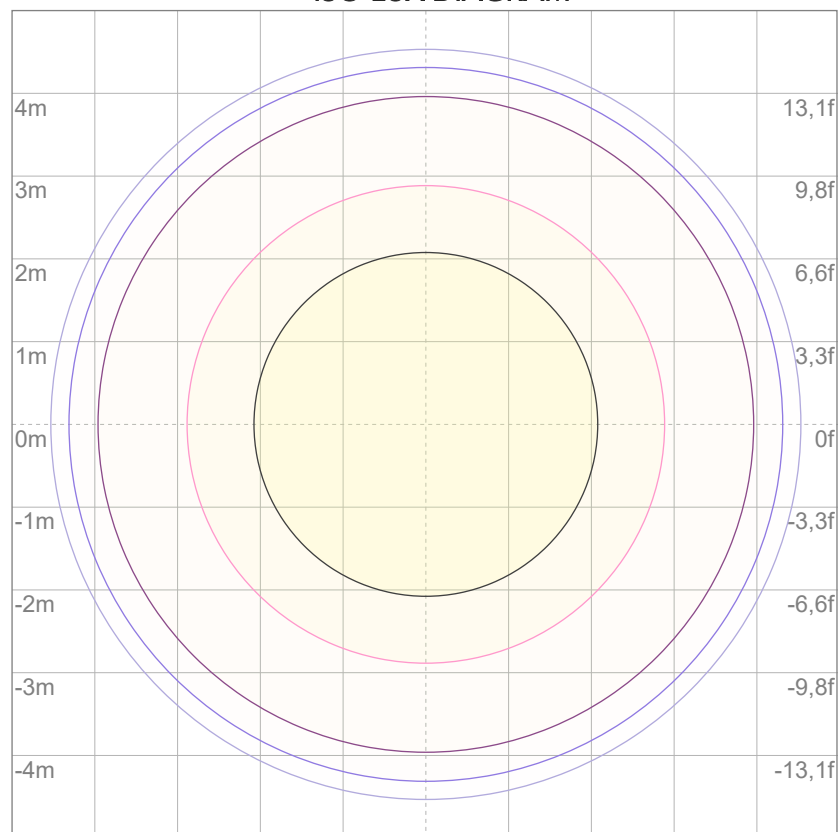
10%	5628 cd
20%	11255 cd
30%	16883 cd
40%	22510 cd
50%	28138 cd
60%	33765 cd
70%	39393 cd
80%	45020 cd

Conditions:

Number of c-planes: 2

Candela at center: 56275 cd

ISO LUX DIAGRAM



3%	16,9 lx
5%	28,1 lx
10%	56,3 lx
30%	169 lx
50%	281 lx

Conditions:

Number of c-planes: 2

Lux at center: 563 lx

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



Total lumen output:

5994 lm

Peak candela output:

153811 cd

Light quality:

CRI: 97,6

Color temperature:

6373 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

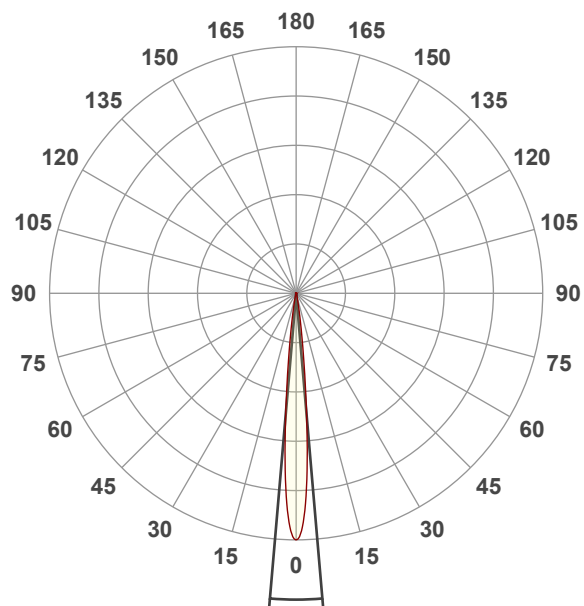
6000K - HQ

Operator:

Salvatore Giglio

Date and time:

25/03/2025 16:49:16

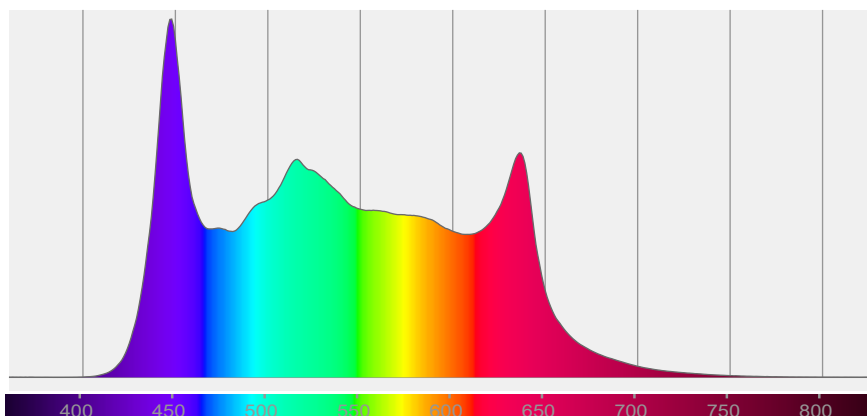


Beam angle 50%: 9,8°

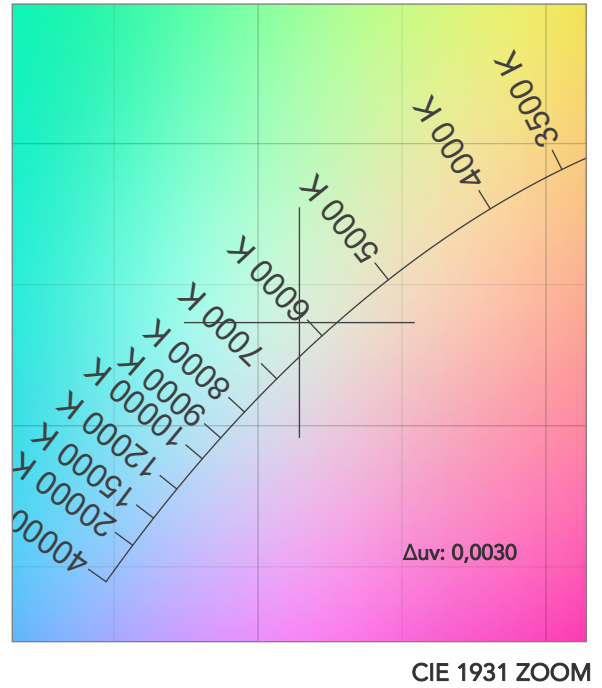
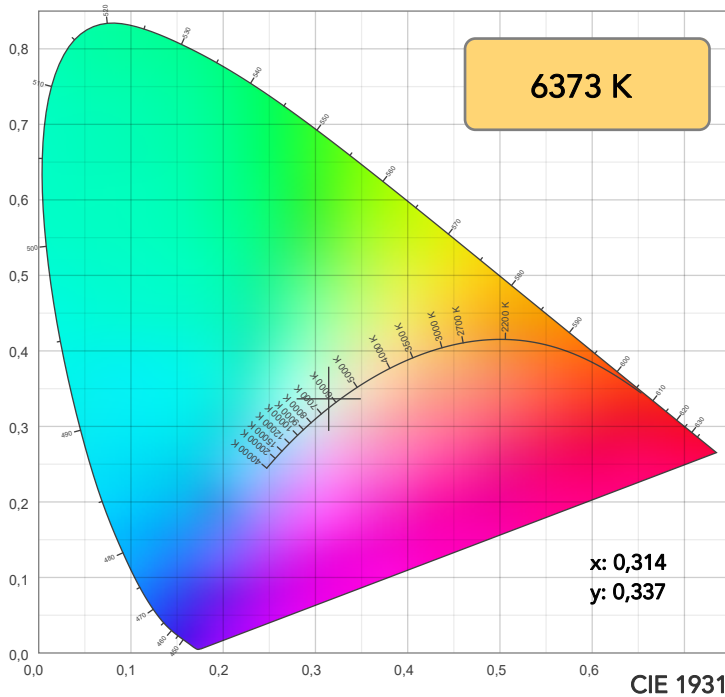
Field angle 10%: 18°

Cut off angle 2.5%: 24,9°

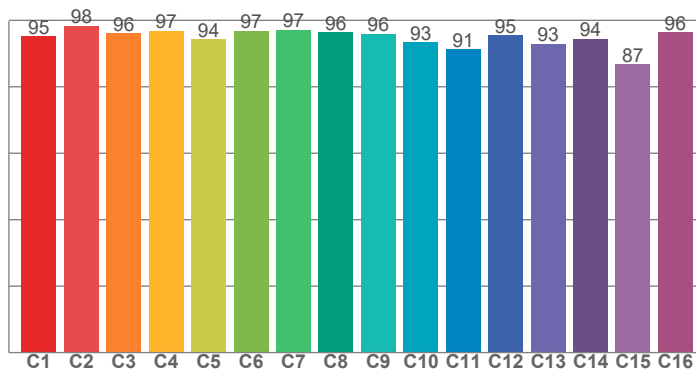
Spectra



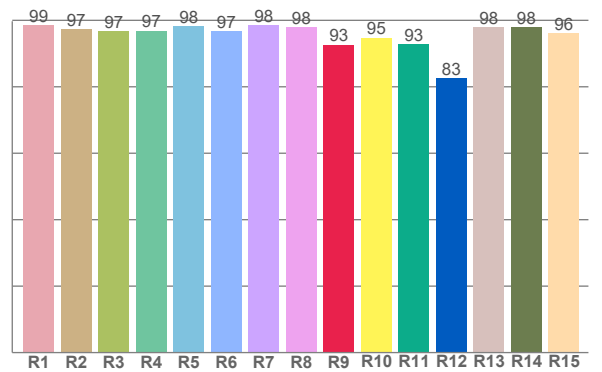
COLOR DETAILS



TM30: 94,8



CRI: 97,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,6	97,4	96,7	96,9	98,2	96,8	98,5	98,0	92,7	94,8	92,8	82,7	97,9	98,0	96,1

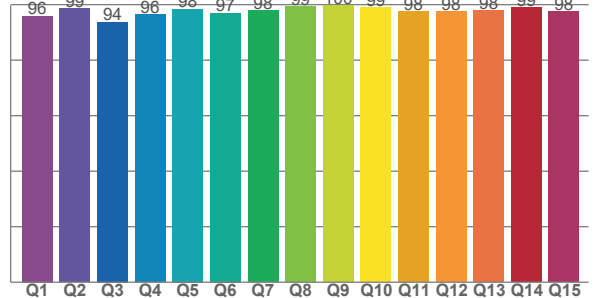
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,3	98,4	96,1	96,8	94,4	96,9	97,1	96,3	96,0	93,3	91,3	95,4	93,0	94,4	86,7	96,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,9	98,7	93,8	96,5	98,5	96,9	97,9	99,4	99,7	98,9	97,5	97,6	98,0	98,9	97,6

CQS: 97,3



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
6373 K	97,6	92,7	94,8	100,8	97,3	96	0,314	0,337	0,0030

TM30 DETAILS

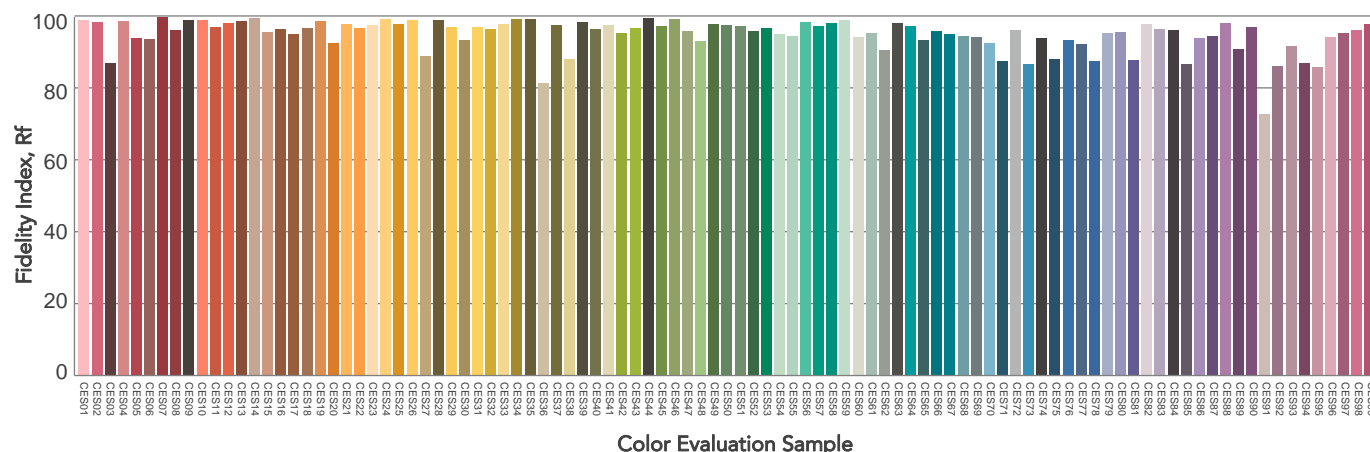
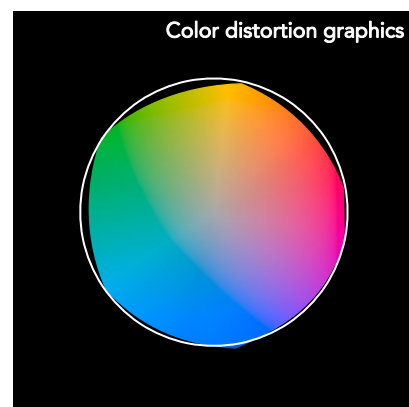
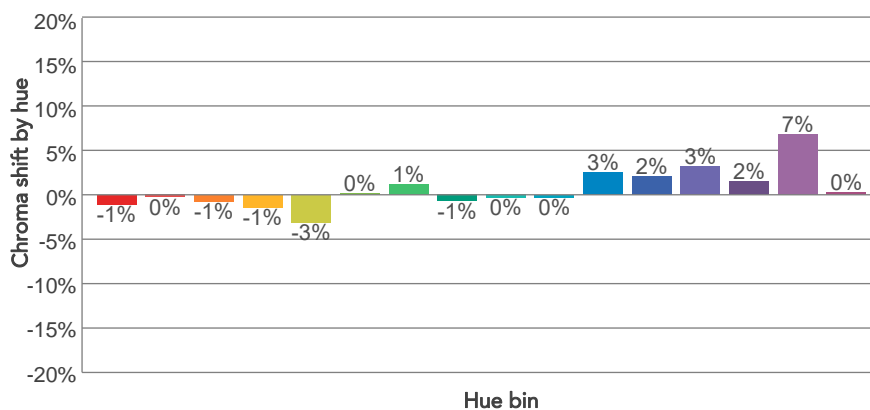
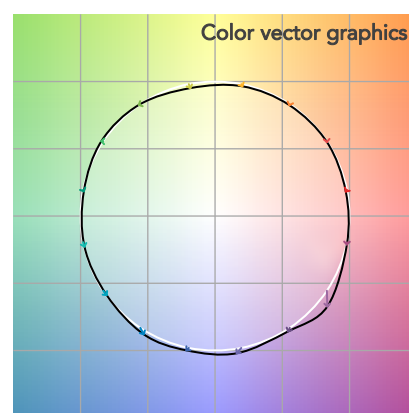
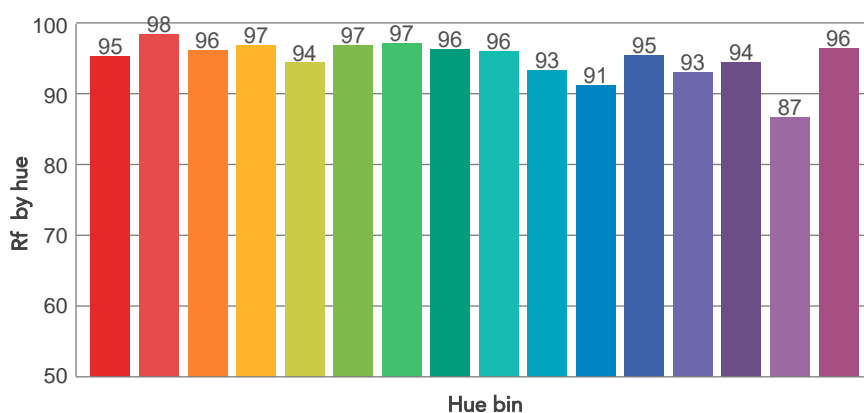
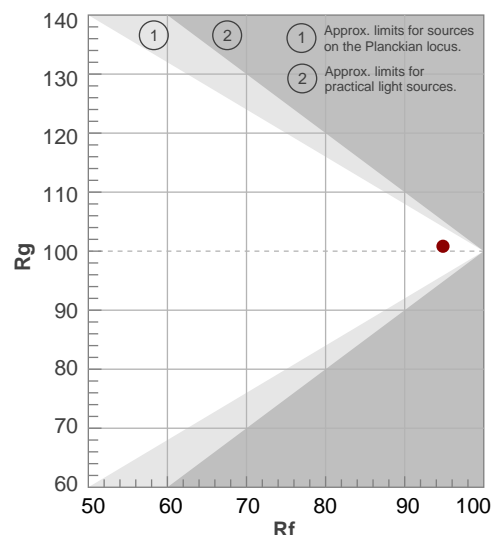
Rf 94,8

Fidelity index Rf

Rg 100,8

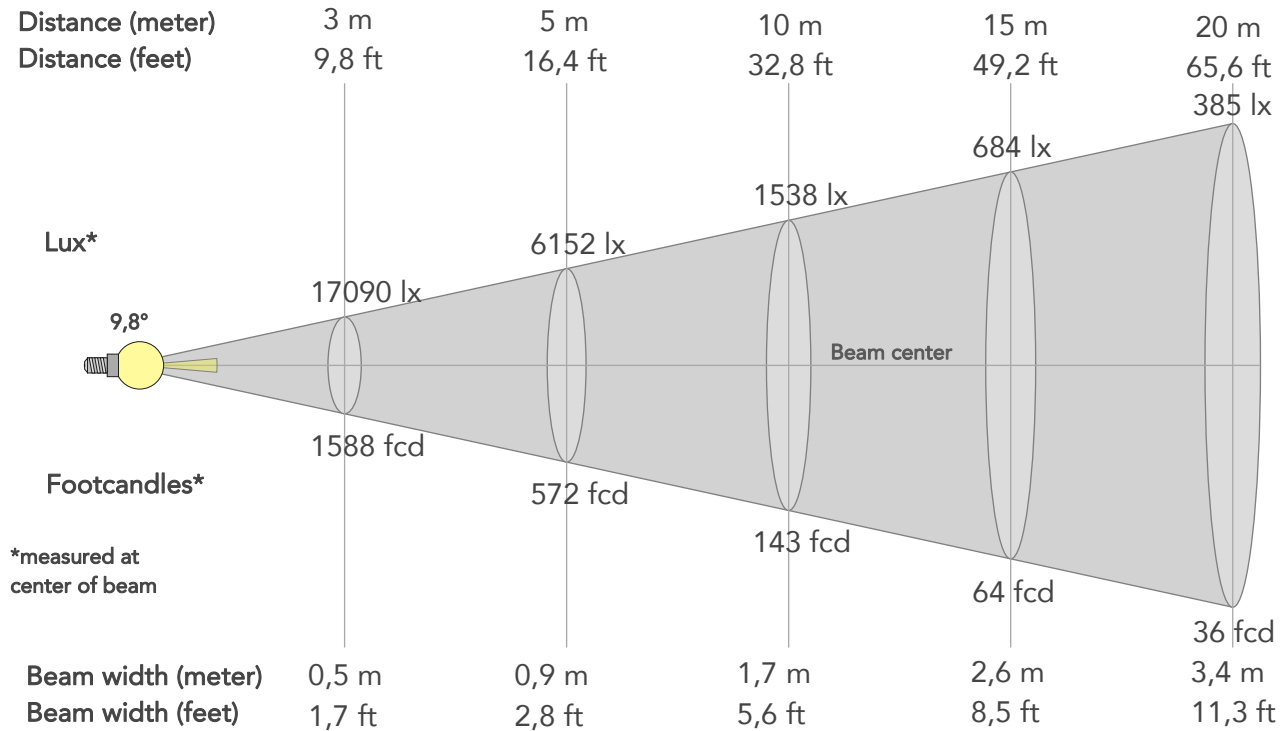
Gammut index

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



BEAM DETAILS

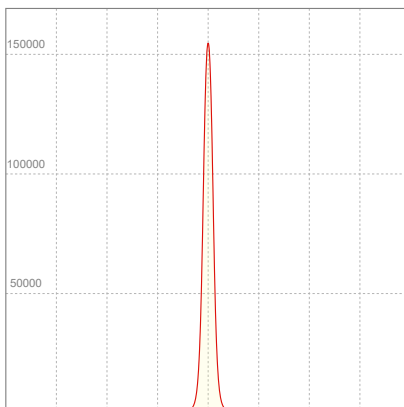
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,8°	18°	24,9°	99,5%	98,0%



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	153811lx	38453lx	17090lx	9613lx	6152lx	2734lx	1538lx	684lx	385lx	246lx	171lx	96lx	62lx
Footcand.	14290fcd	3572fcd	1588fcd	893fcd	572fcd	254fcd	143fcd	64fcd	36fcd	23fcd	16fcd	9fcd	6fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,4m	4,3m	5,2m	6,9m	8,6m
Beam wid.	0,6ft	1,1ft	1,7ft	2,3ft	2,8ft	4,2ft	5,6ft	8,5ft	11,3ft	14,1ft	16,9ft	22,6ft	28,2ft

LINEAR DISTRIBUTION DIAGRAM

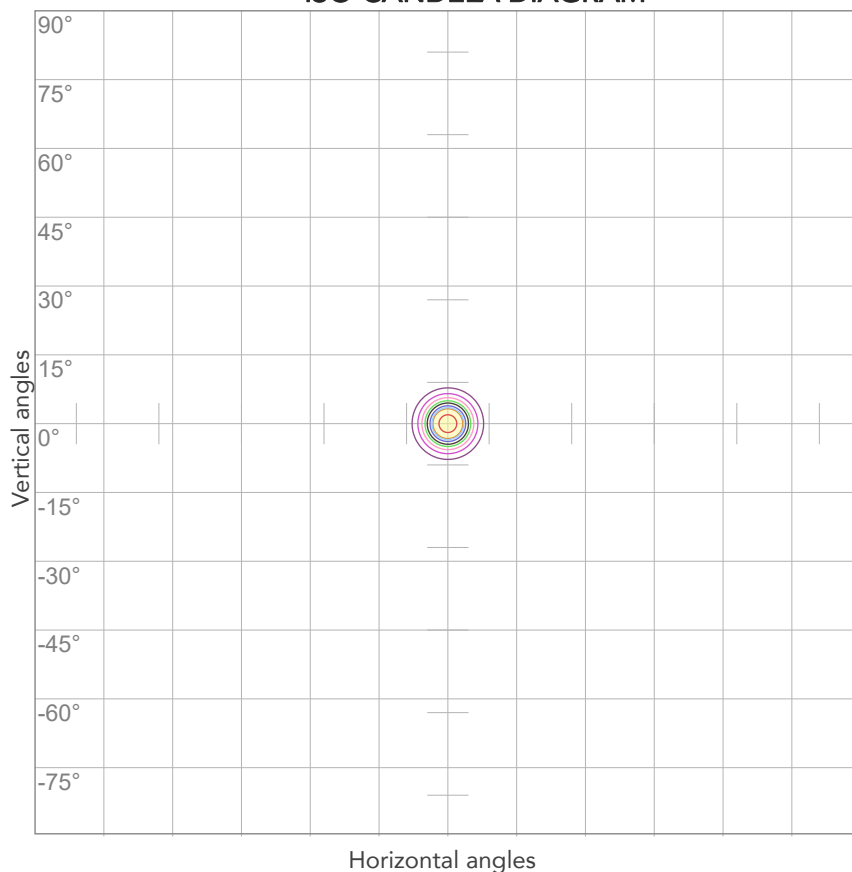


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	1,81A	405,7W	1,0	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



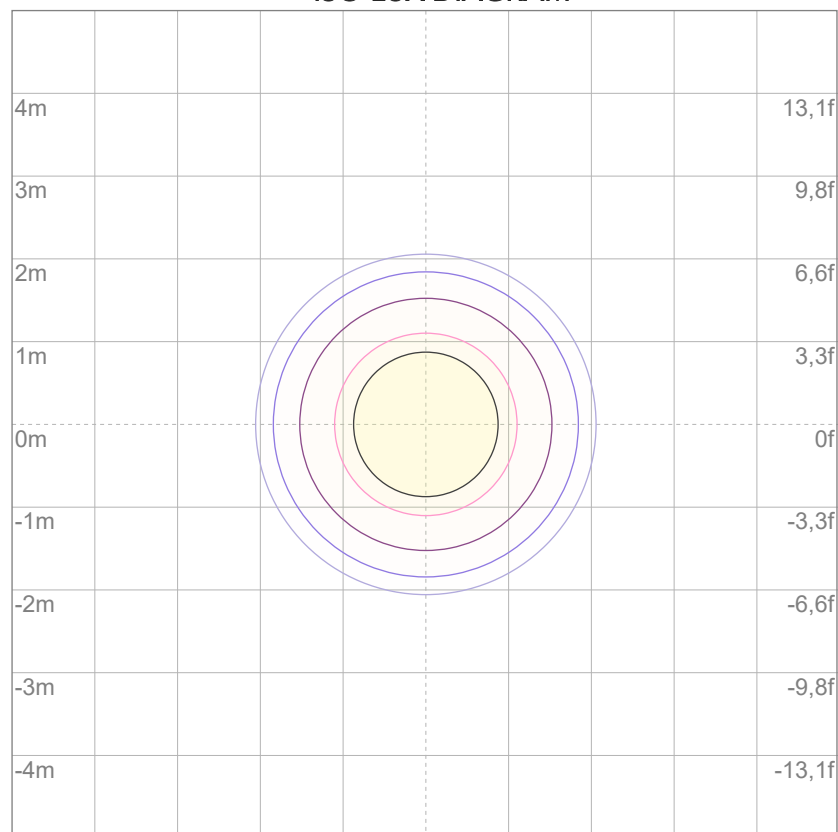
10%	15381 cd
20%	30762 cd
30%	46143 cd
40%	61524 cd
50%	76906 cd
60%	92287 cd
70%	107668 cd
80%	123049 cd

Conditions:

Number of c-planes: 2

Candela at center: 153811 cd

ISO LUX DIAGRAM



3%	46,1 lx
5%	76,9 lx
10%	154 lx
30%	461 lx
50%	769 lx

Conditions:

Number of c-planes: 2

Lux at center: 1538 lx

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