

Photometric Test Report



ECLFRCT+S

+ ECLFRCTPSPCLK

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

CONTENTS

Table of contents	2
Testing process	4
Color preset Full on	
Max Zoom	5
Med Zoom	10
Min Zoom	15
Color preset Red	
Max Zoom	20
Med Zoom	23
Min Zoom	26
Color preset Green	
Max Zoom	29
Med Zoom	32
Min Zoom	35
Color preset Blue	
Max Zoom	38
Med Zoom	41
Min Zoom	44
Color preset Cyan	
Max Zoom	47
Med Zoom	50
Min Zoom	53
Color preset Mint	
Max Zoom	56
Med Zoom	59
Min Zoom	62
Color preset Amber	
Max Zoom	65
Med Zoom	68
Min Zoom	71

Color temperature 2800K

Max Zoom	74
Med Zoom	79
Min Zoom	84

Color temperature 3200K

Max Zoom	89
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:

5144 lm

Peak candela output:

5810 cd

Light quality:

CRI: 84,7

Color temperature:

4436 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

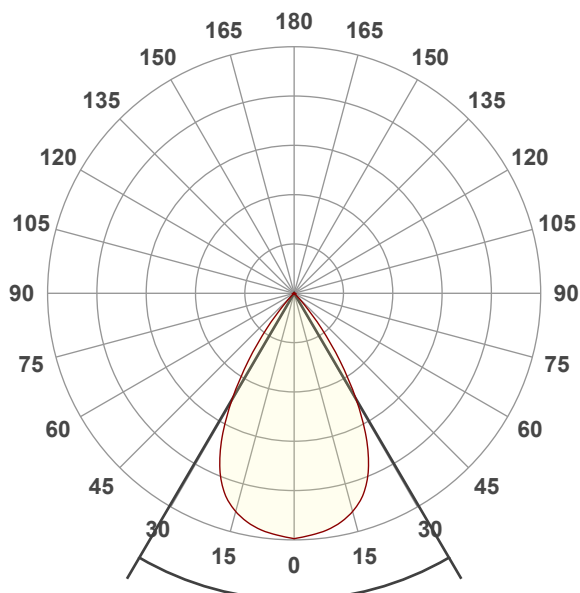
Full On - HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 15:43:47

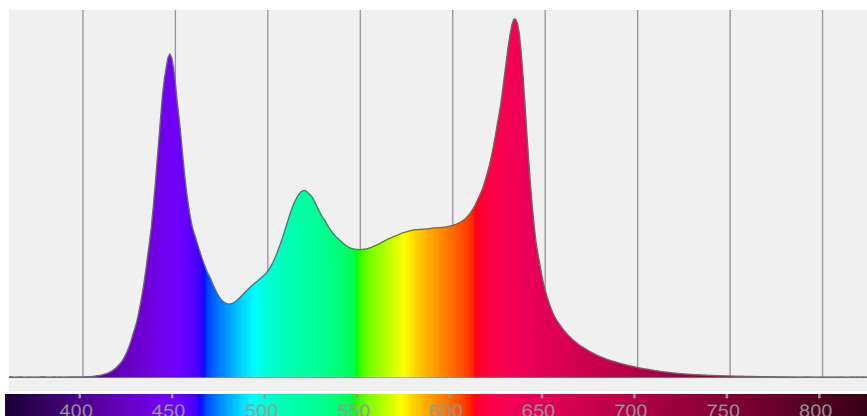


Beam angle 50%: 60,7°

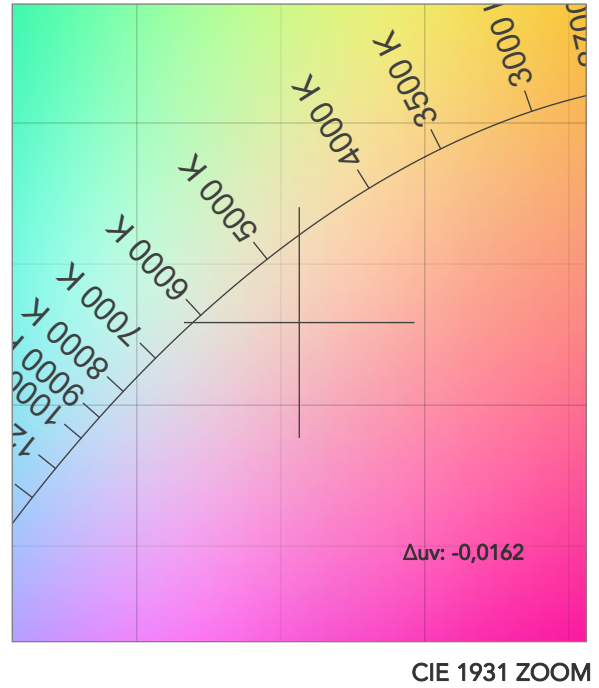
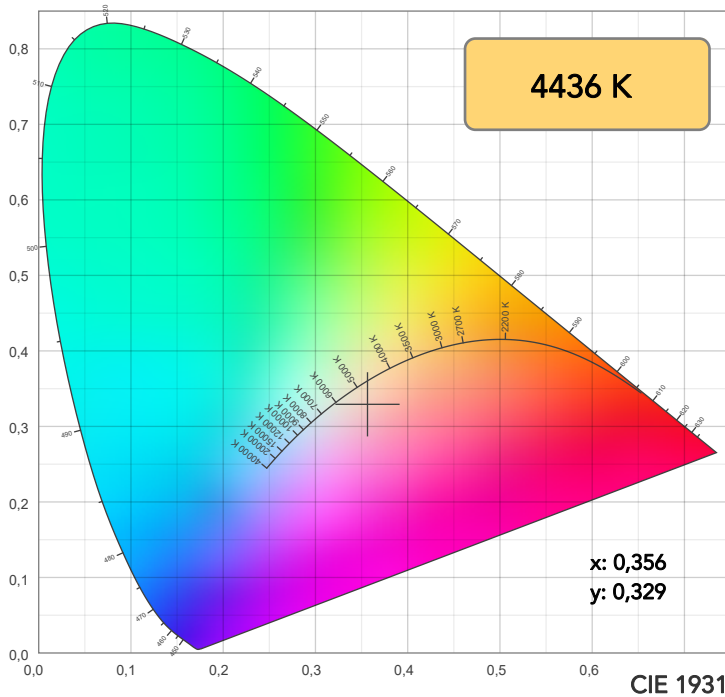
Field angle 10%: 81°

Cut off angle 2.5%: 88,7°

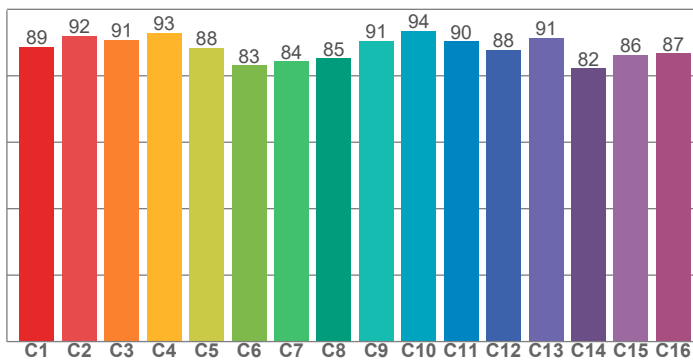
Spectra



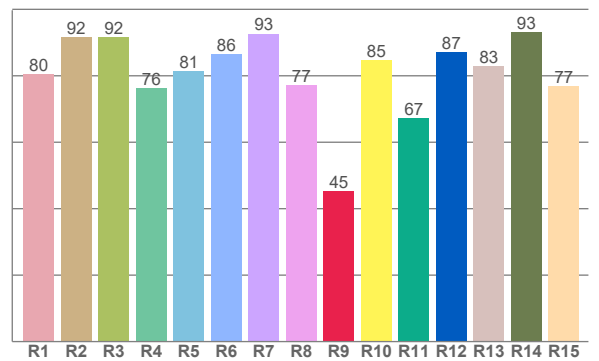
COLOR DETAILS



TM30: 89,1



CRI: 84,7 (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
80,4	91,5	91,7	76,2	81,4	86,4	92,7	77,2	45,2	84,7	67,2	87,0	82,8	93,2	76,8

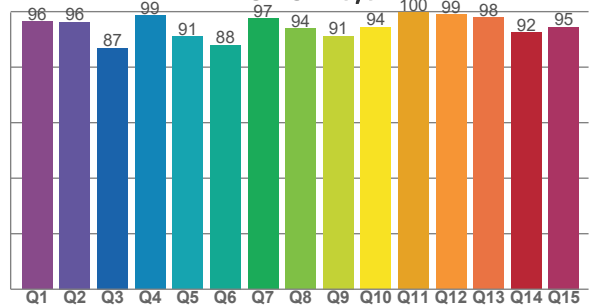
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,7	92,0	90,8	92,9	88,5	83,2	84,4	85,3	90,5	93,6	90,4	87,8	91,4	82,2	86,3	86,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,4	96,3	86,9	98,6	91,0	88,0	97,5	93,9	91,2	94,3	99,6	99,0	97,9	92,4	94,5

CQS: 93,3



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4436 K	84,7	45,2	89,1	112,2	93,3	85	0,356	0,329	-0,0162

TM30 DETAILS

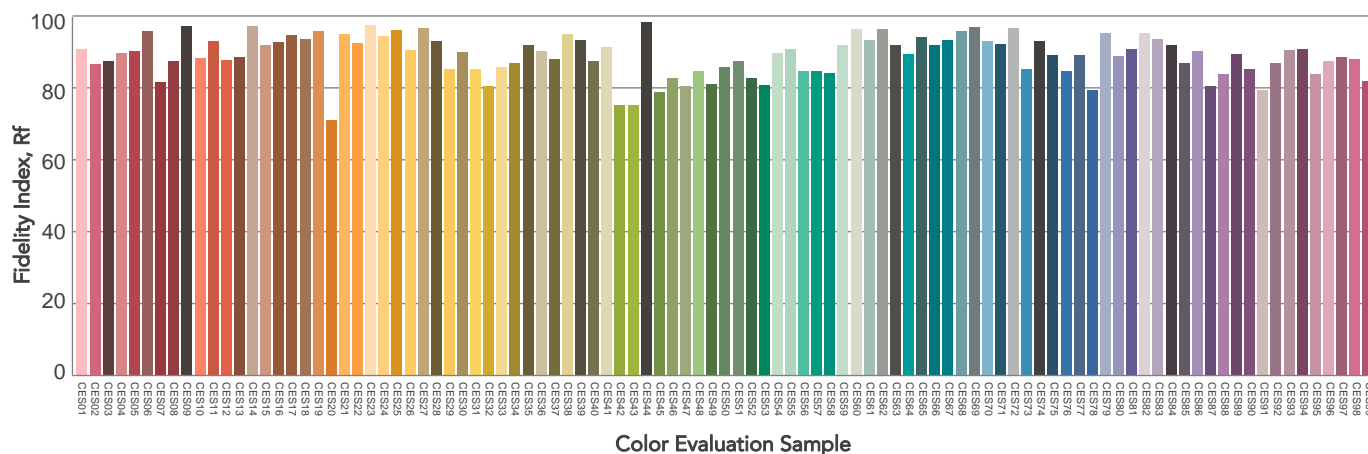
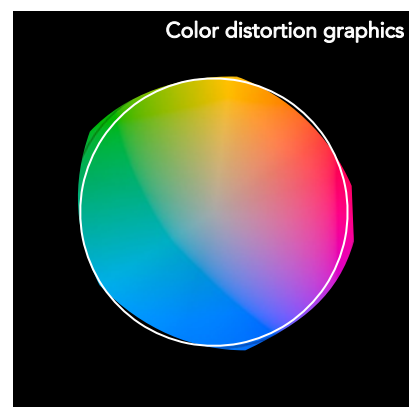
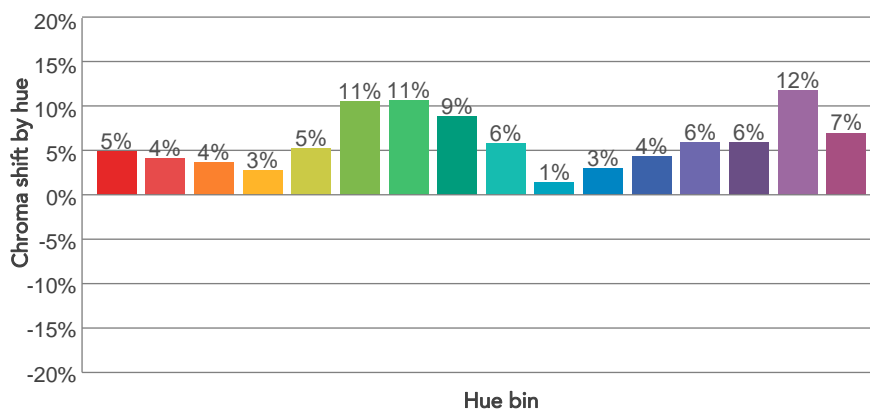
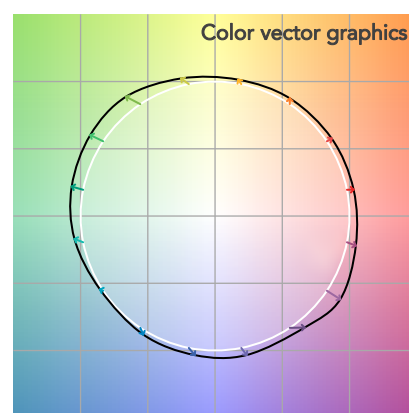
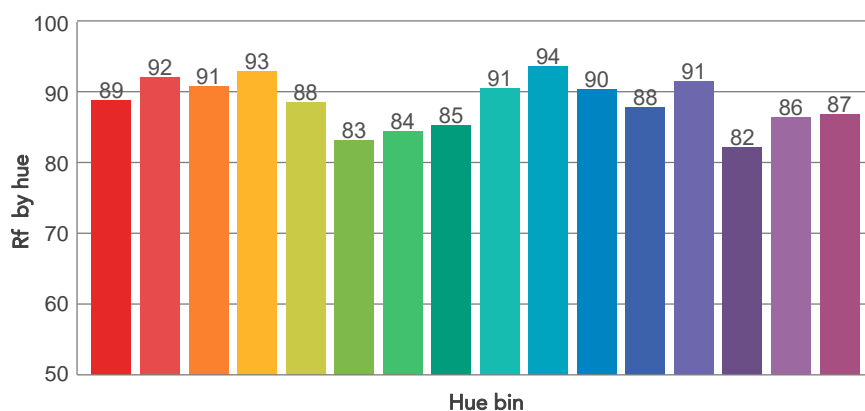
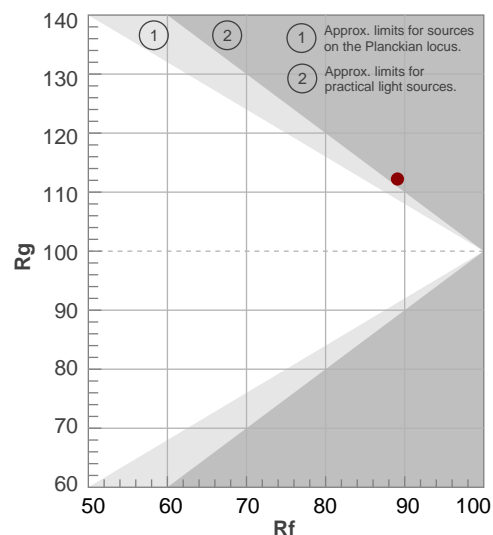
Rf 89,1

Fidelity index Rf

Rg 112,2

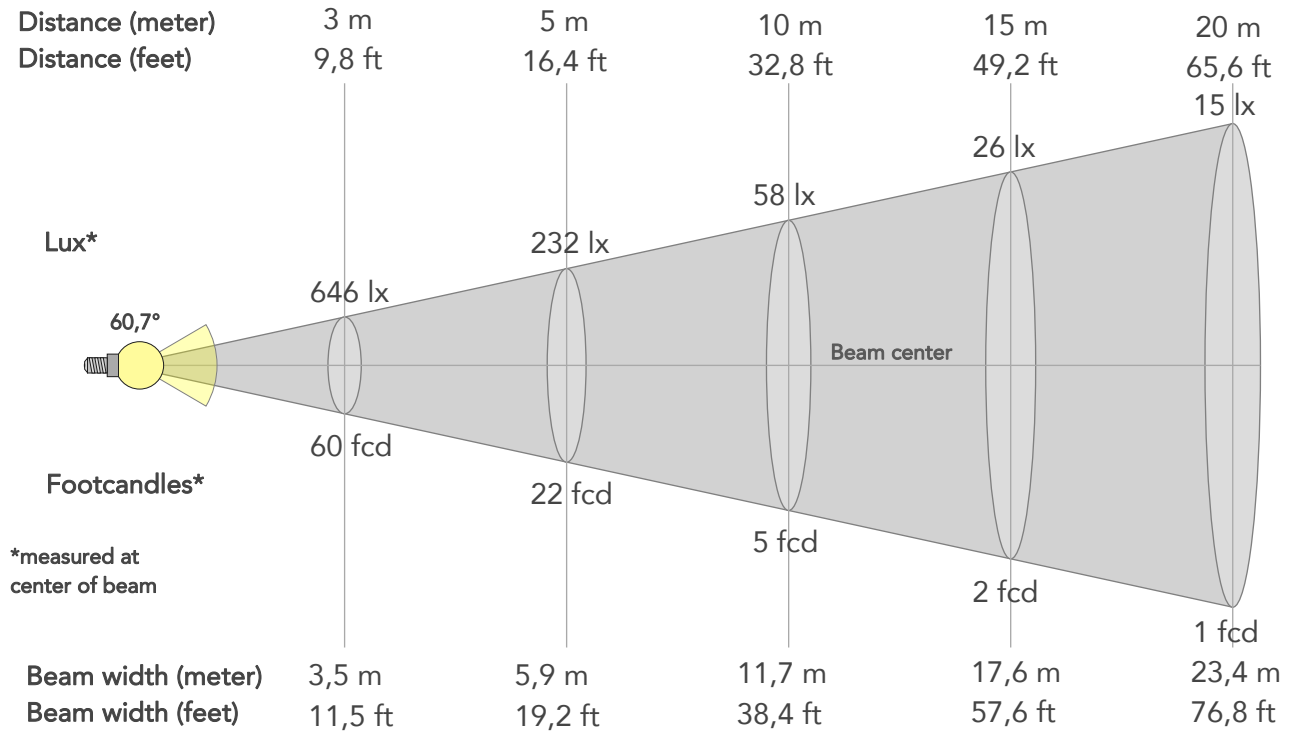
Gammut index

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



BEAM DETAILS

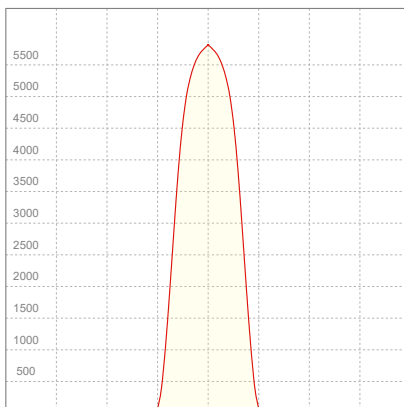
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
60,7°	81°	88,7°	99,3%	98,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5810lx	1453lx	646lx	363lx	232lx	103lx	58lx	26lx	15lx	9lx	6lx	4lx	2lx
Footcand.	540fcd	135fcd	60fcd	34fcd	22fcd	10fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,2m	2,3m	3,5m	4,7m	5,9m	8,8m	11,7m	17,6m	23,4m	29,3m	35,1m	46,9m	58,6m
Beam wid.	3,9ft	7,7ft	11,5ft	15,3ft	19,2ft	28,8ft	38,4ft	57,6ft	76,8ft	96ft	115,3ft	153,7ft	192,1ft

LINEAR DISTRIBUTION DIAGRAM

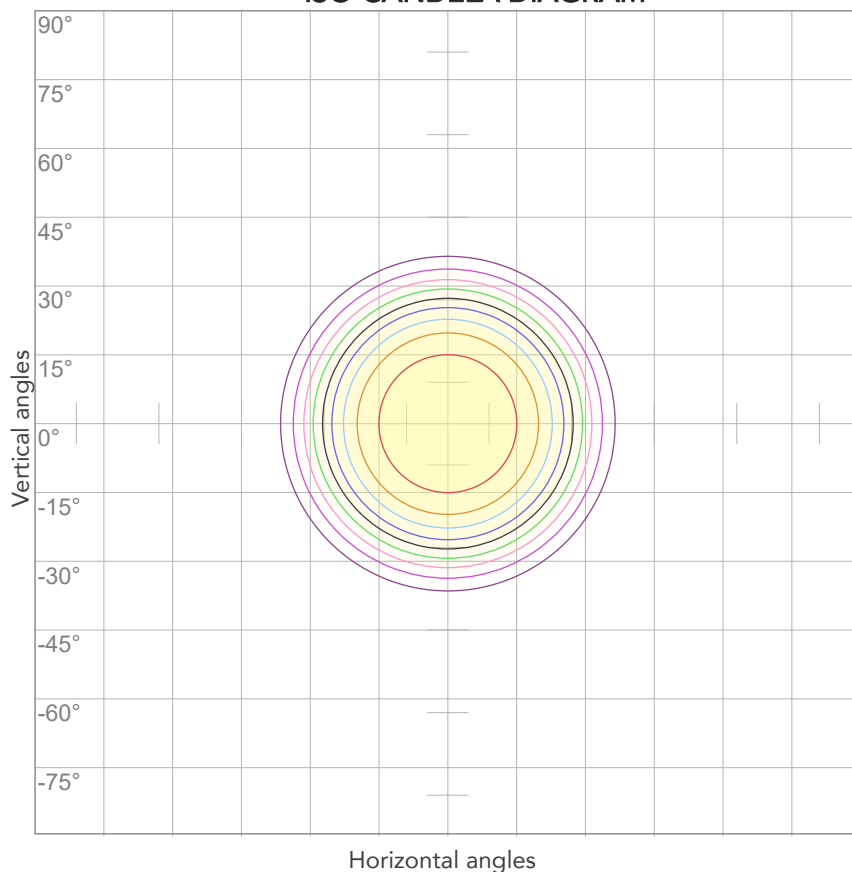


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,903A	201W	0,99	26lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



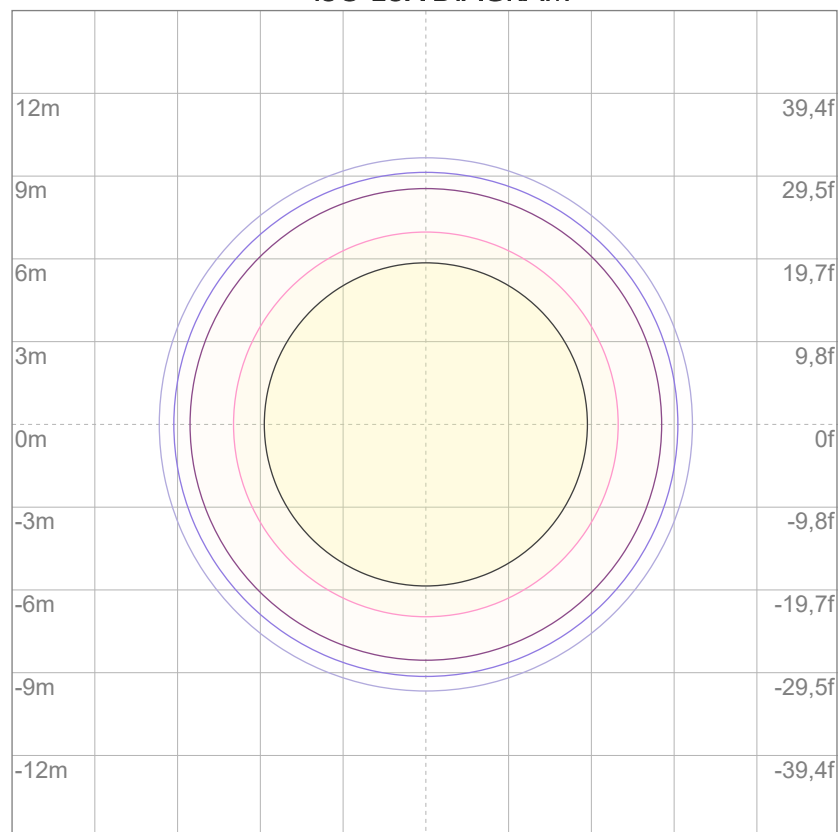
10%	581 cd
20%	1162 cd
30%	1743 cd
40%	2324 cd
50%	2905 cd
60%	3486 cd
70%	4067 cd
80%	4648 cd

Conditions:

Number of c-planes: 2

Candela at center: 5810 cd

ISO LUX DIAGRAM



3%	1,74 lx
5%	2,91 lx
10%	5,81 lx
30%	17,4 lx
50%	29,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 58,1 lx

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



Total lumen output:

3859 lm

Peak candela output:

10196 cd

Light quality:

CRI: 83,9

Color temperature:

4396 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

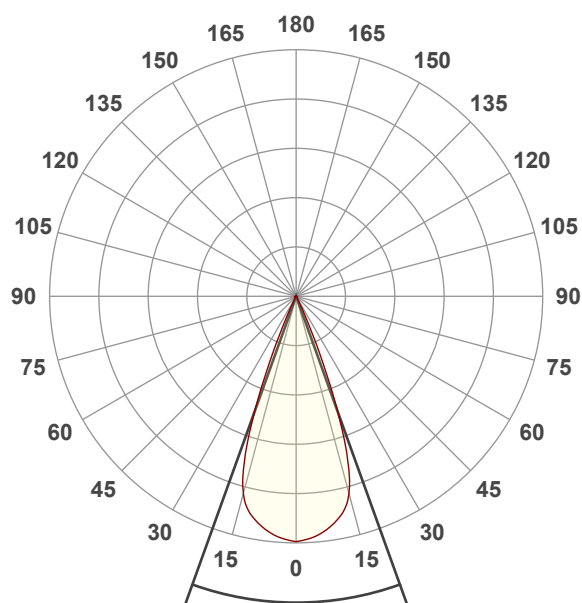
Full On - HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 17:42:33

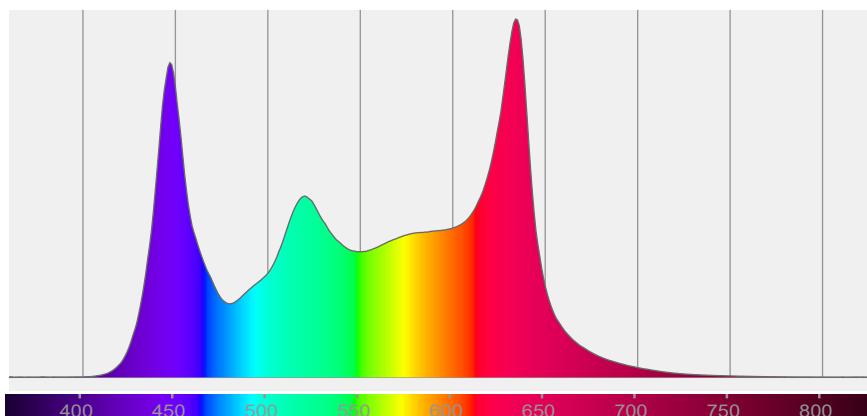


Beam angle 50%: 39,6°

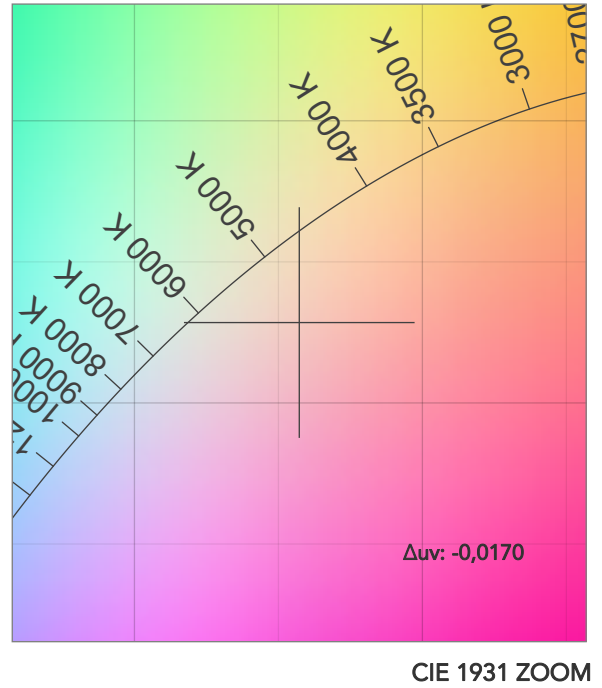
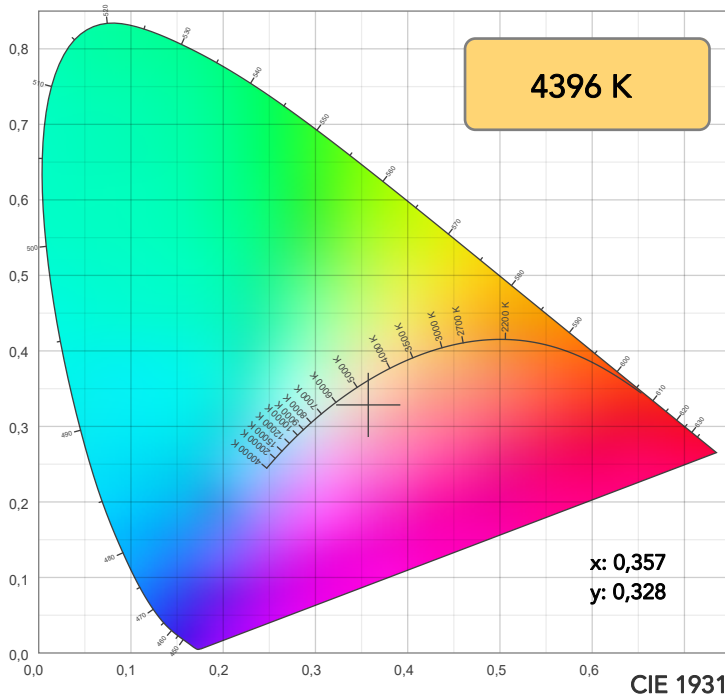
Field angle 10%: 49,2°

Cut off angle 2.5%: 54,4°

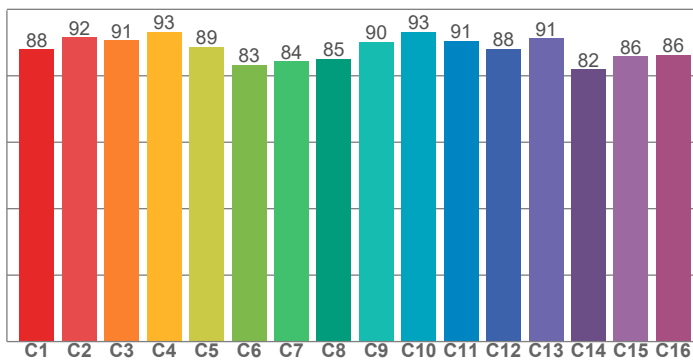
Spectra



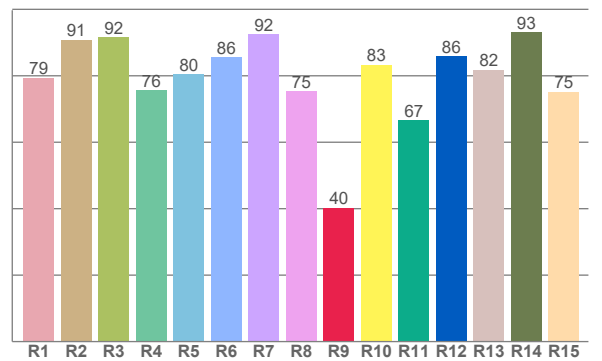
COLOR DETAILS



TM30: 89,0



CRI: 83,9 (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
79,4	90,8	91,6	75,7	80,4	85,7	92,5	75,4	40,3	83,3	66,7	85,8	81,8	93,1	75,2

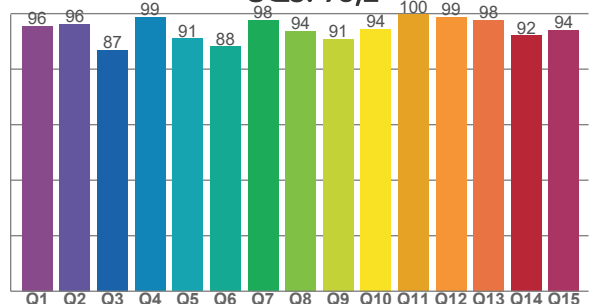
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,0	91,5	90,7	93,2	88,7	83,3	84,4	85,0	90,2	93,2	90,5	88,1	91,3	81,9	85,9	86,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,5	96,2	87,0	98,7	91,0	88,1	97,6	93,7	90,9	94,4	99,7	98,8	97,7	92,1	94,0

CQS: 93,2



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4396 K	83,9	40,3	89,0	112,4	93,2	86	0,357	0,328	-0,0170

TM30 DETAILS

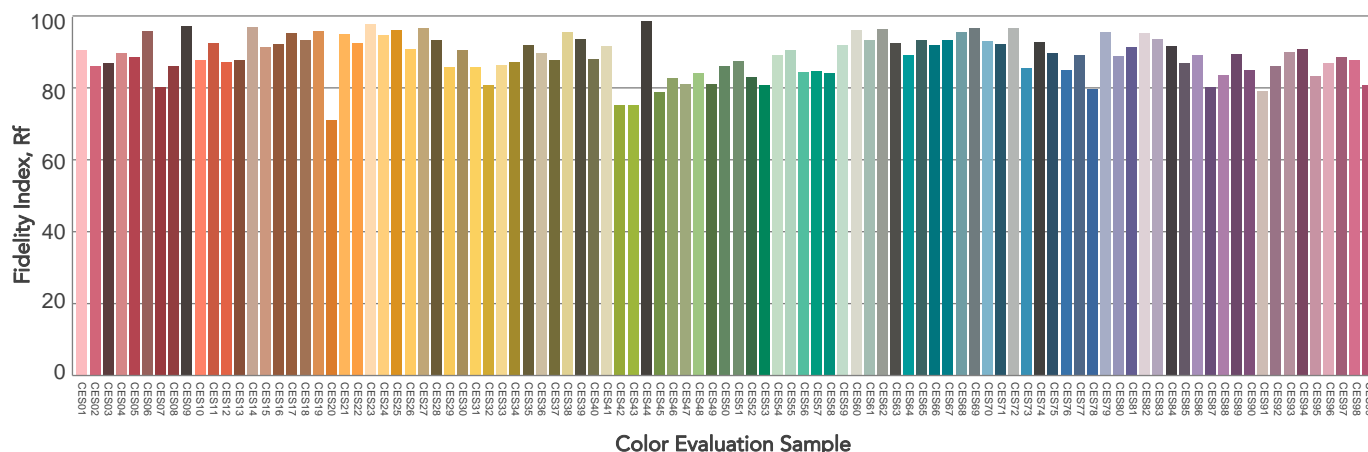
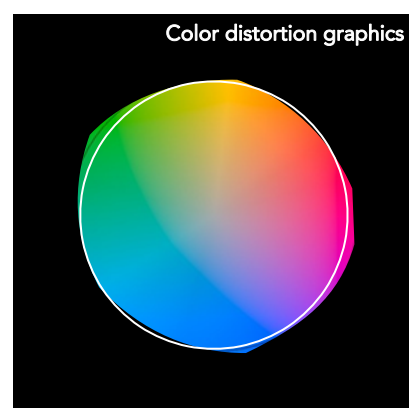
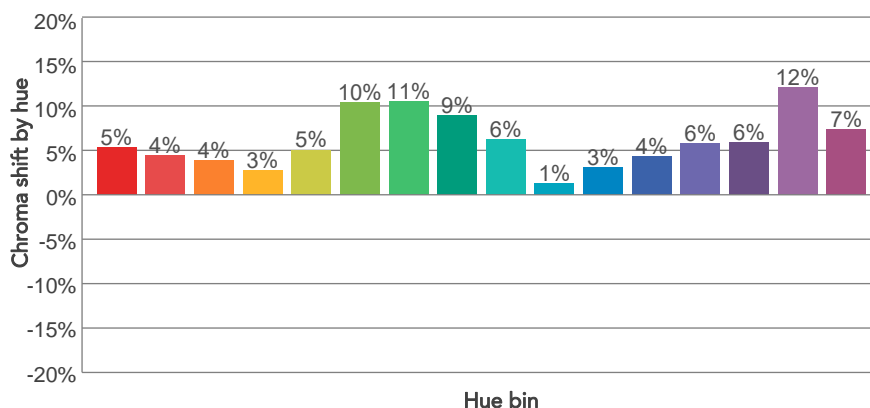
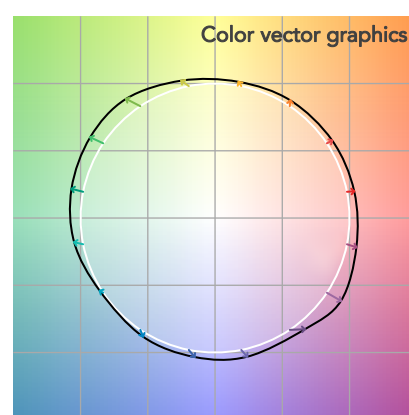
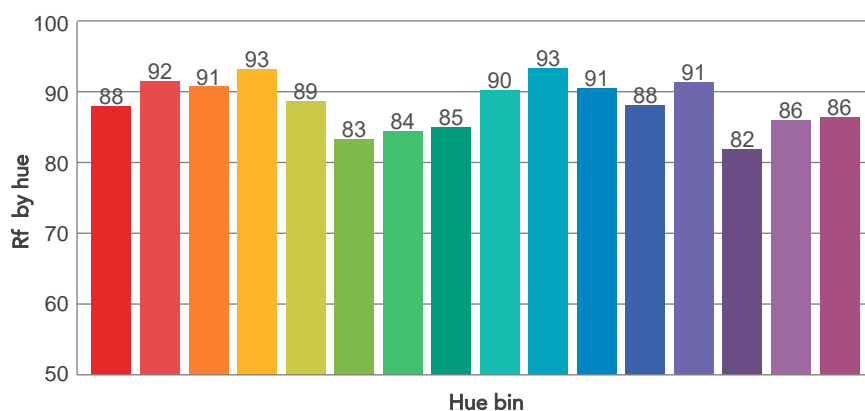
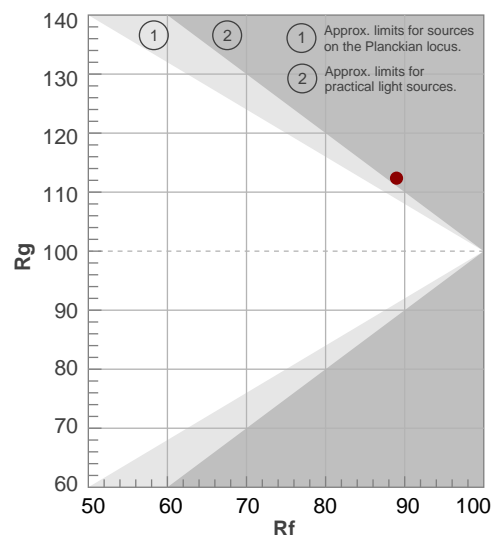
Rf 89,0

Fidelity index Rf

Rg 112,4

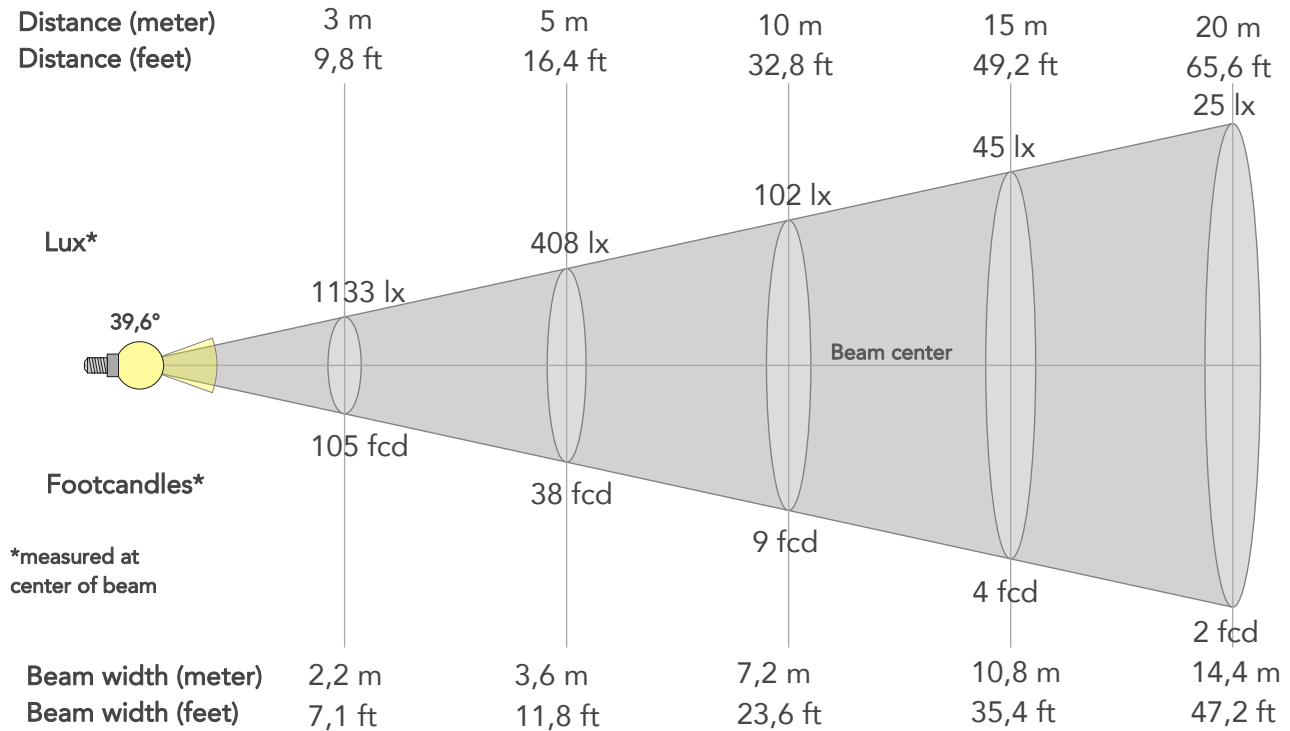
Gammut index

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



BEAM DETAILS

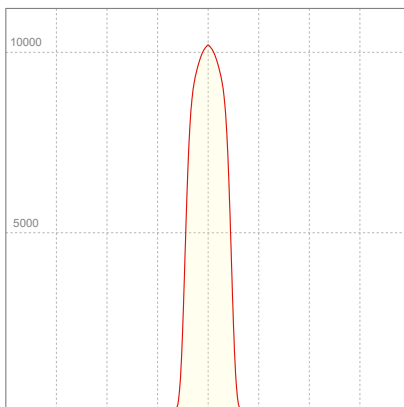
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,6°	49,2°	54,4°	99,1%	98,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	10196lx	2549lx	1133lx	637lx	408lx	181lx	102lx	45lx	25lx	16lx	11lx	6lx	4lx
Footcand.	947fcd	237fcd	105fcd	59fcd	38fcd	17fcd	9fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,7m	1,4m	2,2m	2,9m	3,6m	5,4m	7,2m	10,8m	14,4m	18m	21,6m	28,8m	36m
Beam wid.	2,4ft	4,8ft	7,1ft	9,4ft	11,8ft	17,7ft	23,6ft	35,4ft	47,2ft	59ft	70,9ft	94,5ft	118,1ft

LINEAR DISTRIBUTION DIAGRAM

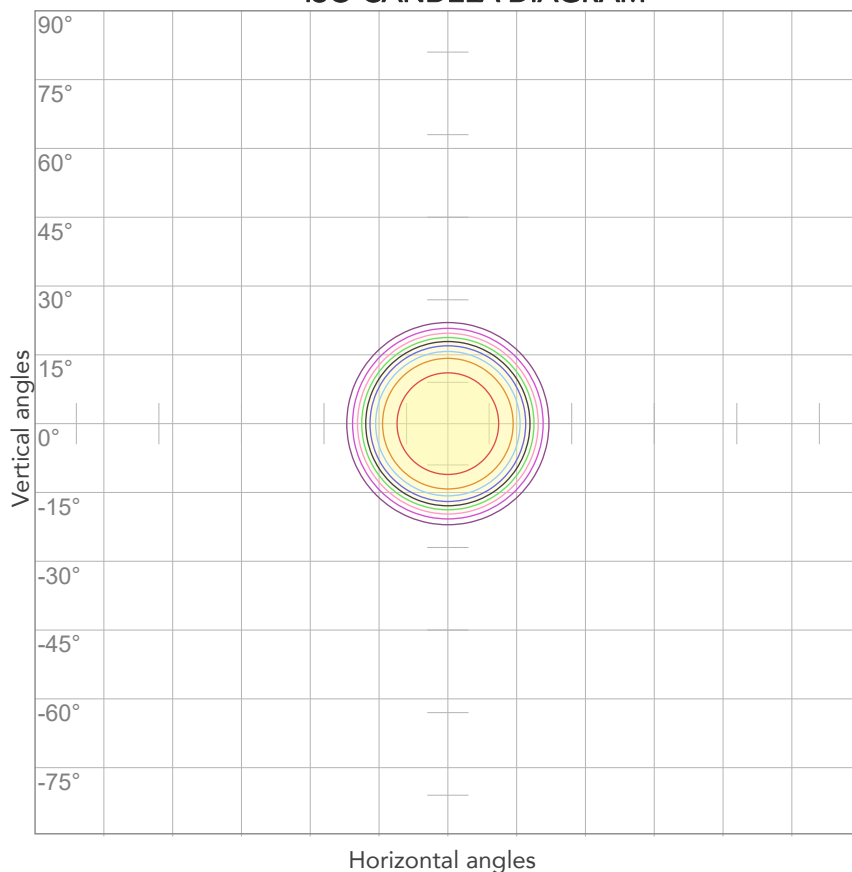


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,892A	198,1W	0,98	19lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



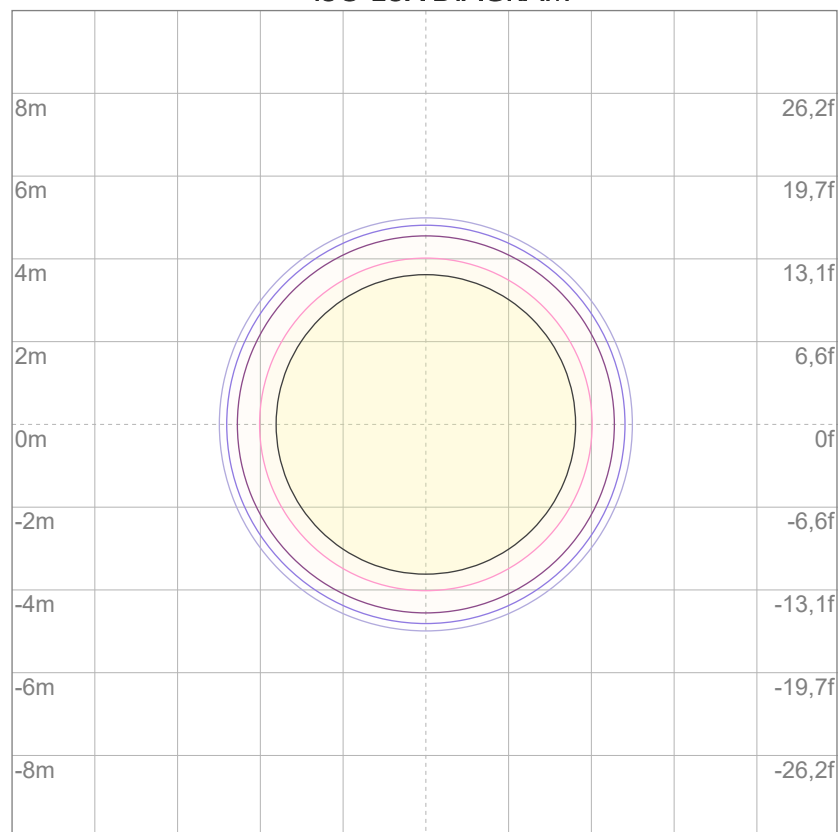
10%	1020 cd
20%	2039 cd
30%	3059 cd
40%	4079 cd
50%	5098 cd
60%	6118 cd
70%	7137 cd
80%	8157 cd

Conditions:

Number of c-planes: 2

Candela at center: 10196 cd

ISO LUX DIAGRAM



3%	3,06 lx
5%	5,10 lx
10%	10,2 lx
30%	30,6 lx
50%	51,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 102 lx

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



Total lumen output:

2792 lm

Peak candela output:

25200 cd

Light quality:

CRI: 84,2

Color temperature:

4401 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

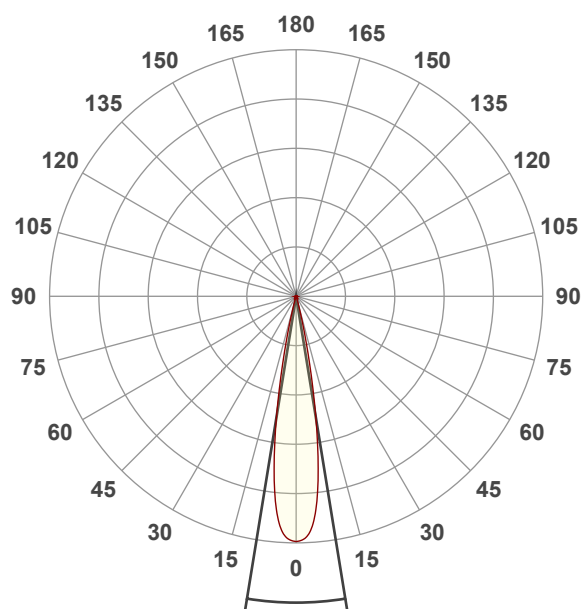
Full On - HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 15:58:55

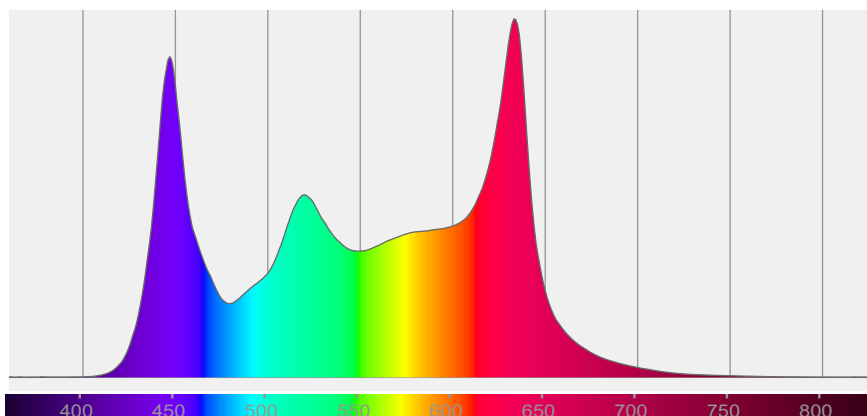


Beam angle 50%: 18,5°

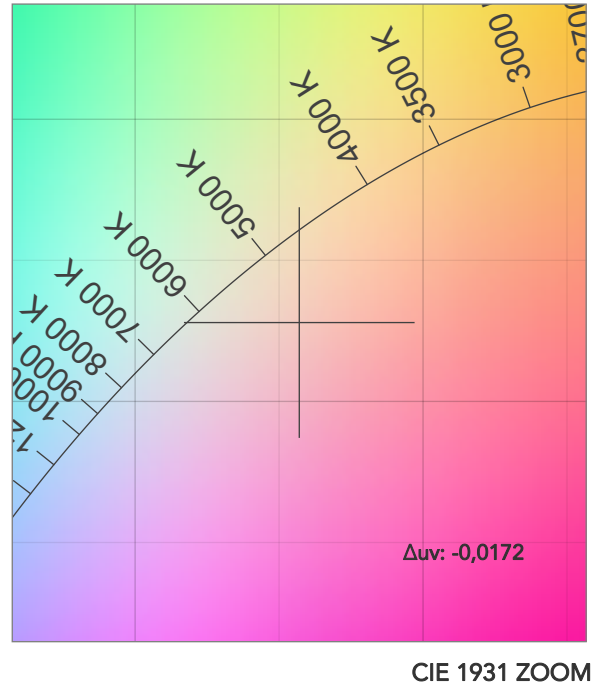
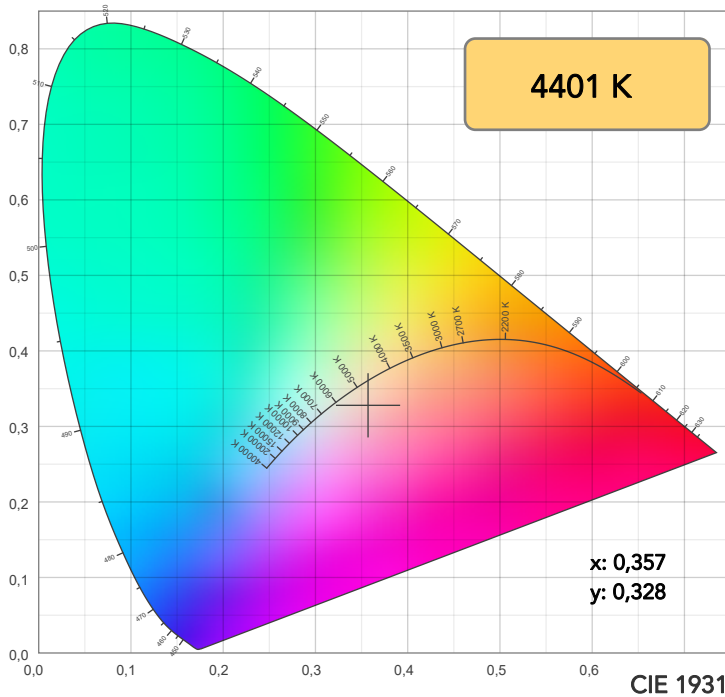
Field angle 10%: 27,5°

Cut off angle 2.5%: 32,2°

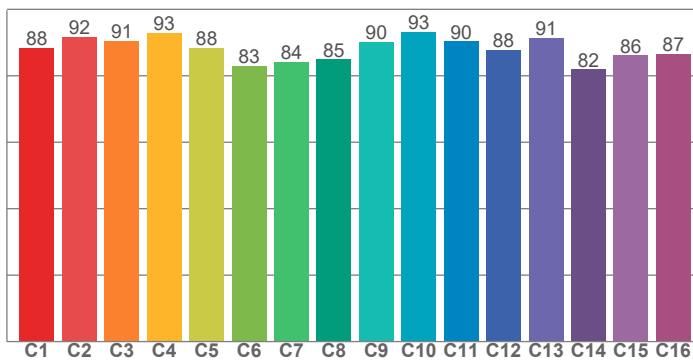
Spectra



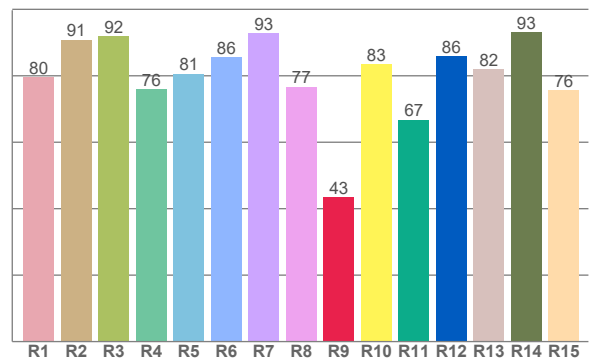
COLOR DETAILS



TM30: 89,0



CRI: 84,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
79,6	90,8	91,9	75,9	80,6	85,5	92,8	76,7	43,5	83,4	66,8	86,0	82,0	93,2	75,7

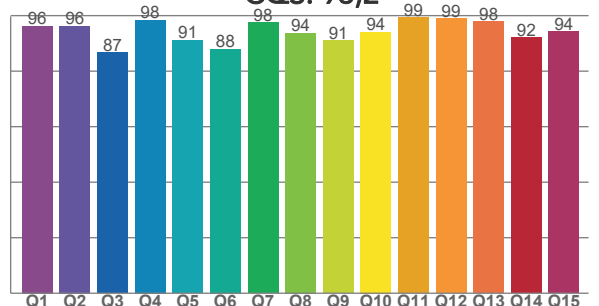
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,5	91,7	90,6	92,9	88,4	83,1	84,3	85,0	90,1	93,2	90,4	87,8	91,3	81,9	86,2	86,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,2	96,2	86,7	98,5	91,1	88,0	97,5	93,8	91,0	94,2	99,4	99,0	97,9	92,1	94,3

CQS: 93,2



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4401 K	84,2	43,5	89,0	112,3	93,2	85	0,357	0,328	-0,0172

TM30 DETAILS

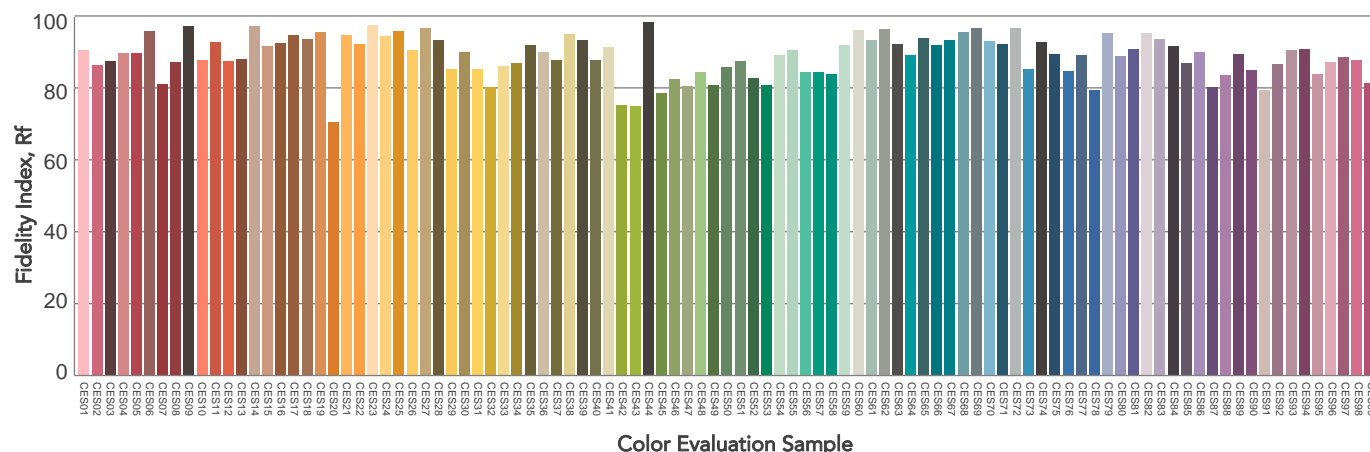
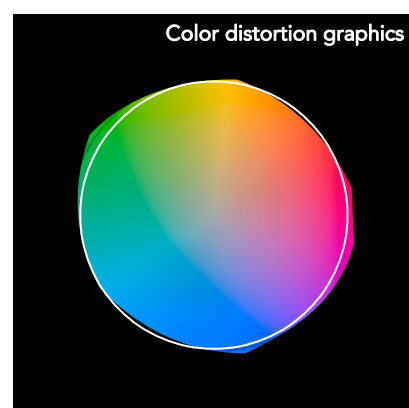
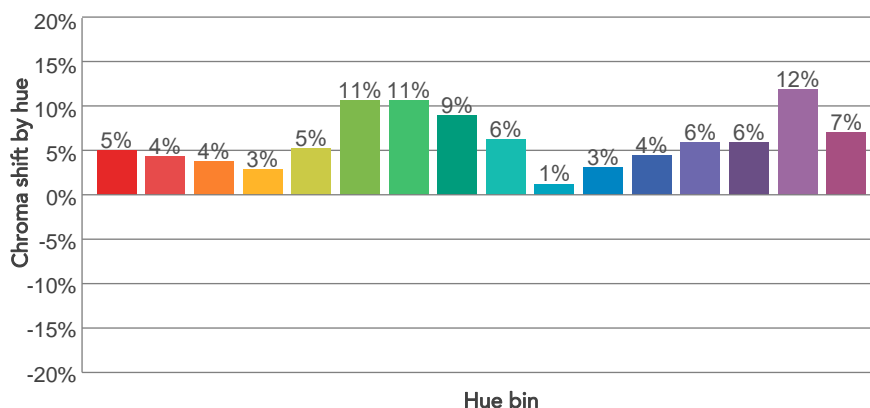
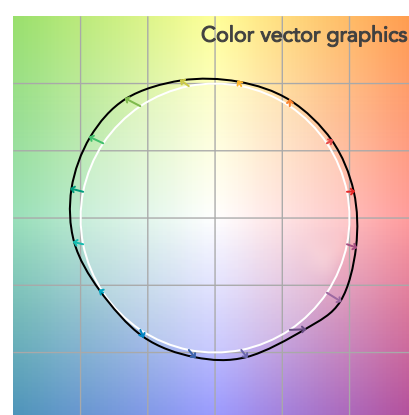
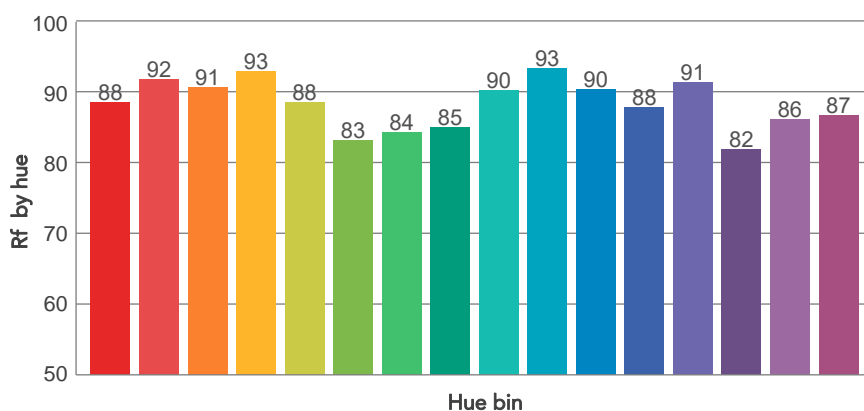
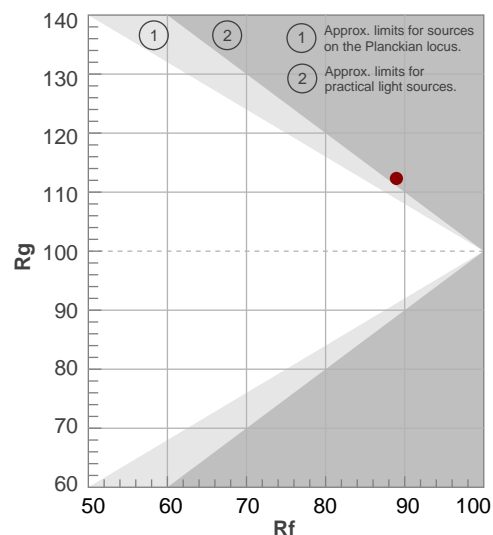
Rf 89,0

Fidelity index Rf

Rg 112,3

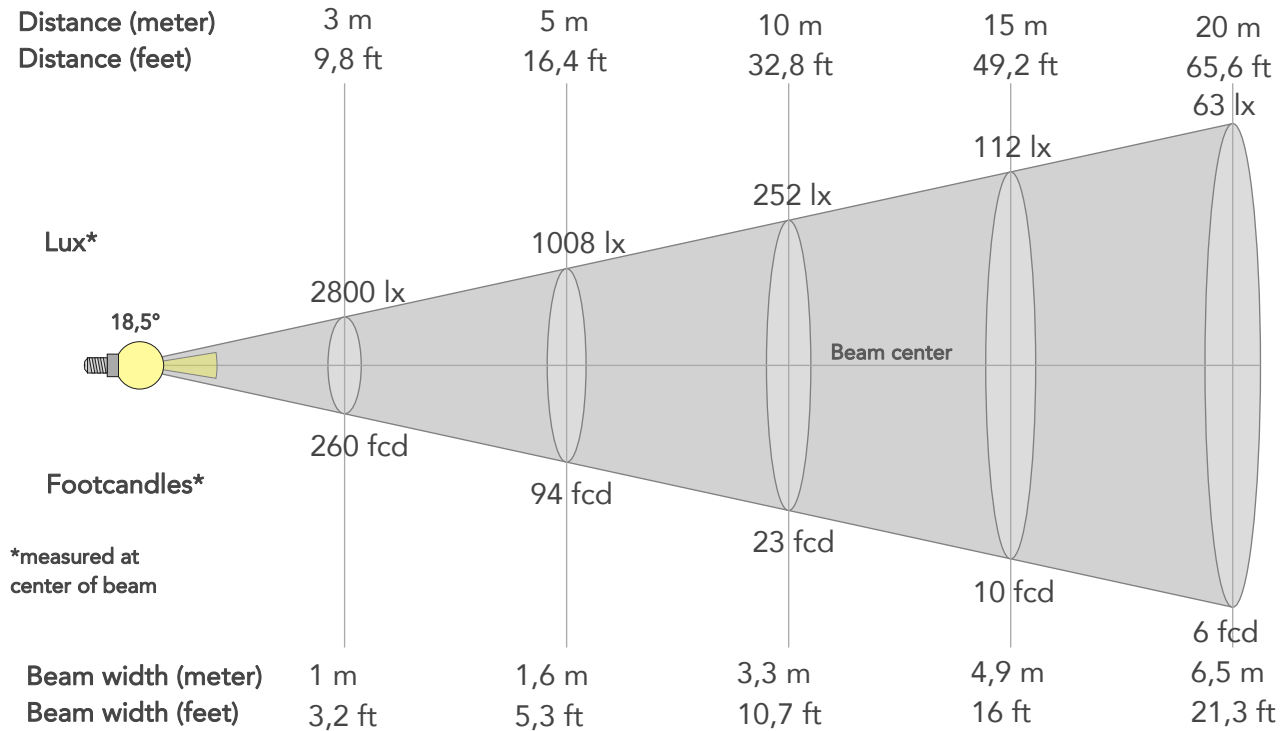
Gammut index

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



BEAM DETAILS

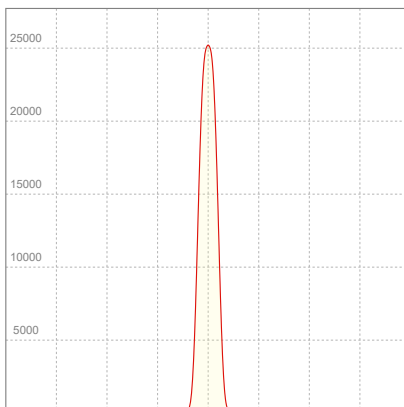
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,5°	27,5°	32,2°	98,8%	97,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	25200lx	6300lx	2800lx	1575lx	1008lx	448lx	252lx	112lx	63lx	40lx	28lx	16lx	10lx
Footcand.	2341fcd	585fcd	260fcd	146fcd	94fcd	42fcd	23fcd	10fcd	6fcd	4fcd	3fcd	1fcd	1fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,6m	2,4m	3,3m	4,9m	6,5m	8,1m	9,8m	13m	16,3m
Beam wid.	1,1ft	2,1ft	3,2ft	4,3ft	5,3ft	8ft	10,7ft	16ft	21,3ft	26,7ft	32ft	42,7ft	53,3ft

LINEAR DISTRIBUTION DIAGRAM

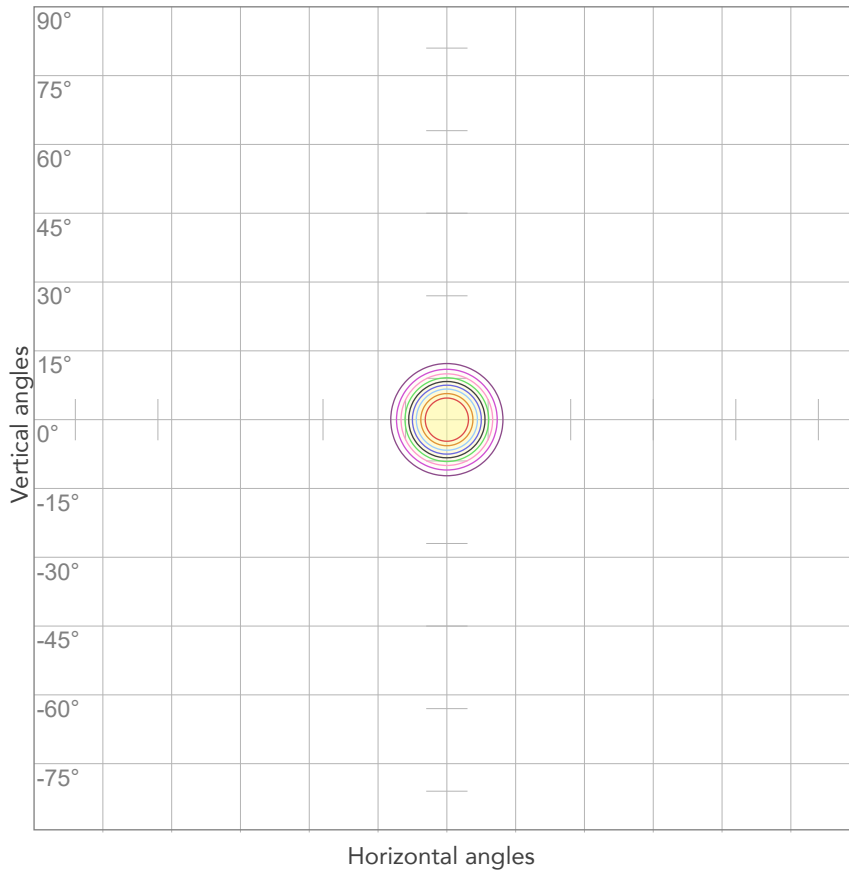


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,899A	200,9W	0,99	14lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



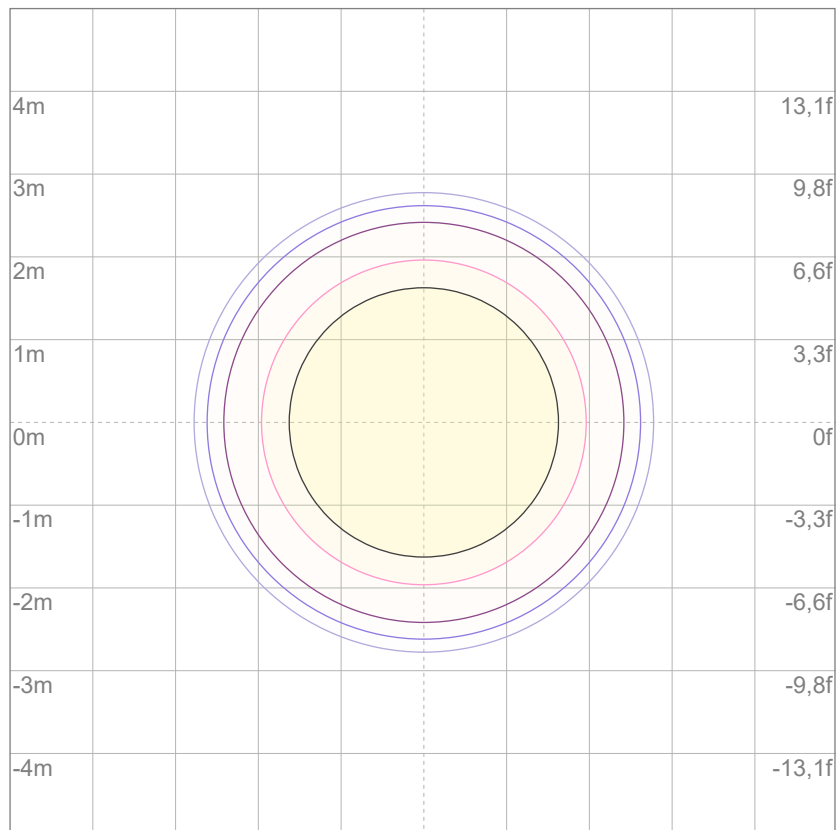
10%	2520 cd
20%	5040 cd
30%	7560 cd
40%	10080 cd
50%	12600 cd
60%	15120 cd
70%	17640 cd
80%	20160 cd

Conditions:

Number of c-planes: 2

Candela at center: 25200 cd

ISO LUX DIAGRAM



3%	7,56 lx
5%	12,6 lx
10%	25,2 lx
30%	75,6 lx
50%	126 lx

Conditions:

Number of c-planes: 2

Lux at center: 252 lx

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



Total lumen output:

822 lm

Peak candela output:

929 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

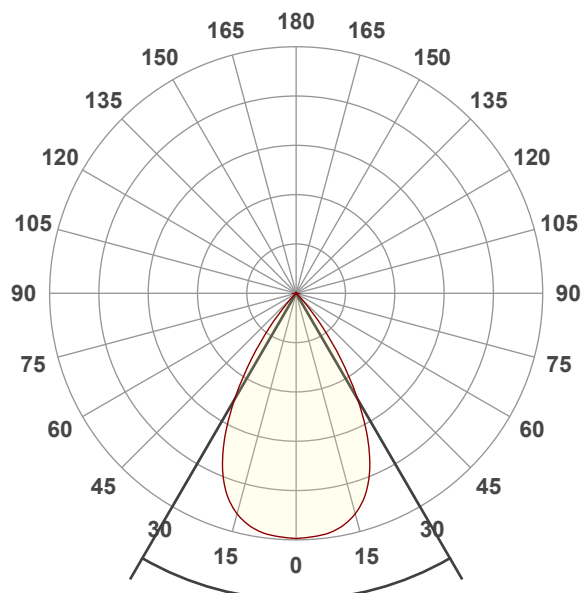
Red - HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 15:45:42

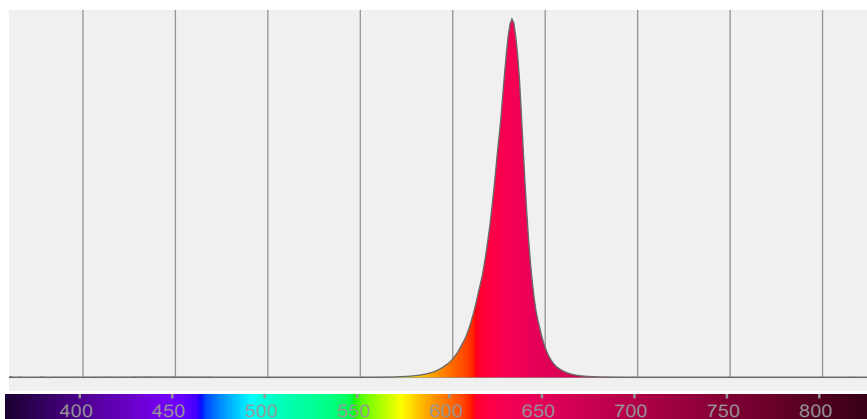


Beam angle 50%: 60,3°

Field angle 10%: 81°

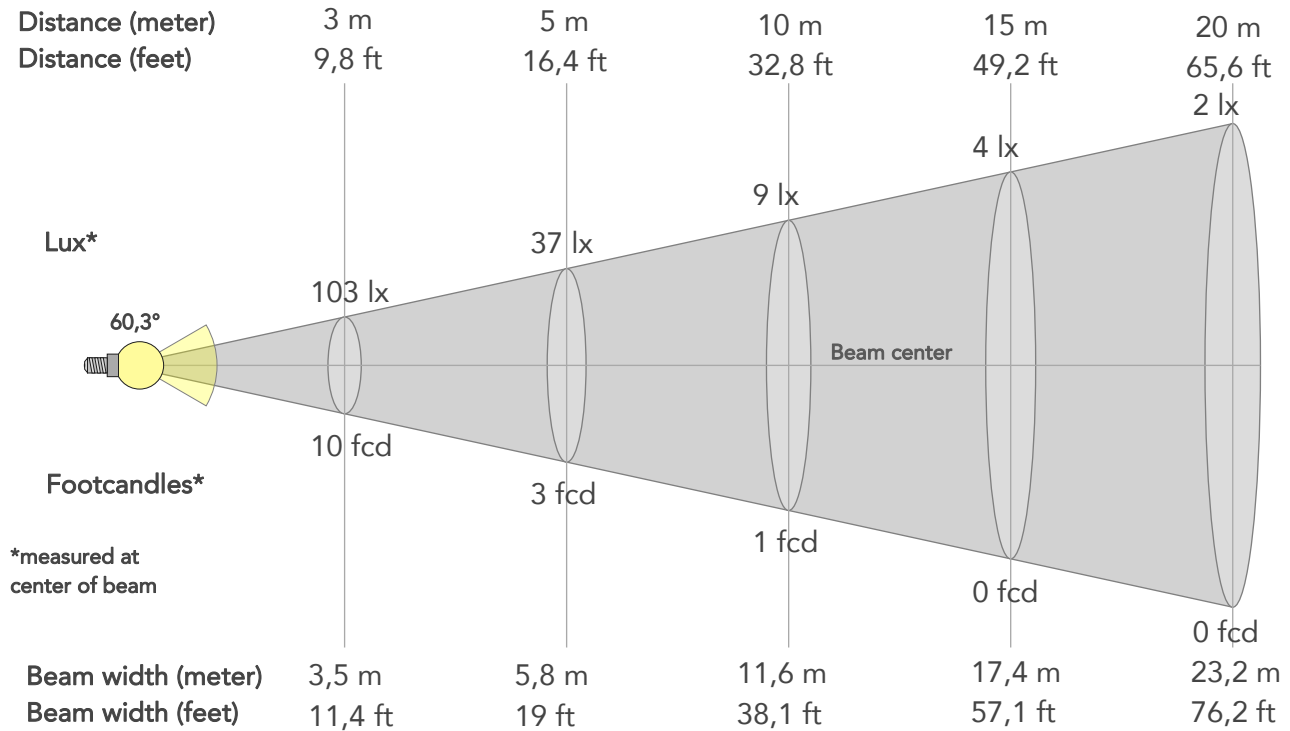
Cut off angle 2.5%: 88,8°

Spectra



BEAM DETAILS

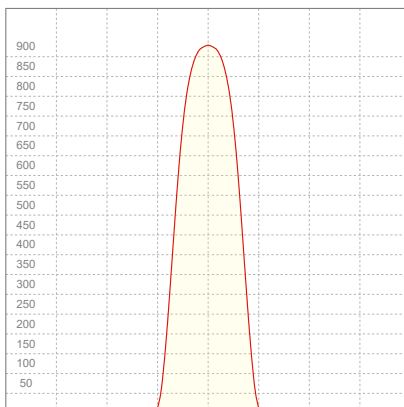
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
60,3°	81°	88,8°	99,0%	98,5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	929lx	232lx	103lx	58lx	37lx	17lx	9lx	4lx	2lx	1lx	1lx	1lx	0lx
Footcand.	86fcd	22fcd	10fcd	5fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,2m	2,3m	3,5m	4,6m	5,8m	8,7m	11,6m	17,4m	23,2m	29m	34,8m	46,4m	58,1m
Beam wid.	3,8ft	7,7ft	11,4ft	15,2ft	19ft	28,6ft	38,1ft	57,1ft	76,2ft	95,2ft	114,3ft	152,3ft	190,4ft

LINEAR DISTRIBUTION DIAGRAM

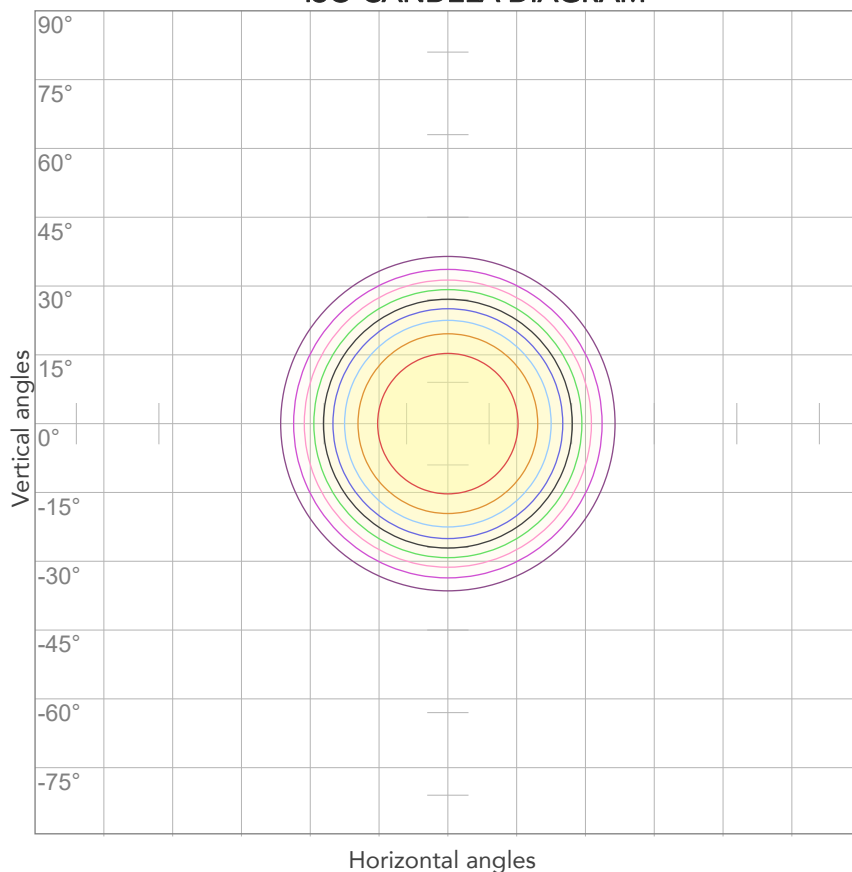


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,227A	44,6W	0,87	18lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



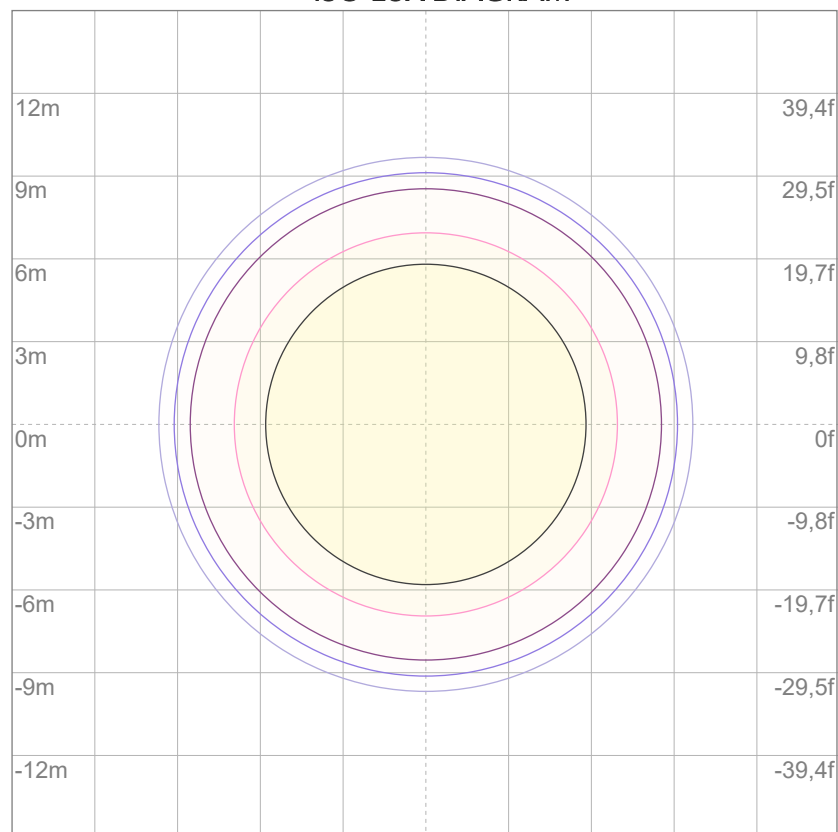
10%	93 cd
20%	186 cd
30%	279 cd
40%	372 cd
50%	464 cd
60%	557 cd
70%	650 cd
80%	743 cd

Conditions:

Number of c-planes: 2

Candela at center: 929 cd

ISO LUX DIAGRAM



3%	0,279 lx
5%	0,464 lx
10%	0,929 lx
30%	2,79 lx
50%	4,64 lx

Conditions:

Number of c-planes: 2

Lux at center: 9,29 lx

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



Total lumen output:

637 lm

Peak candela output:

1658 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

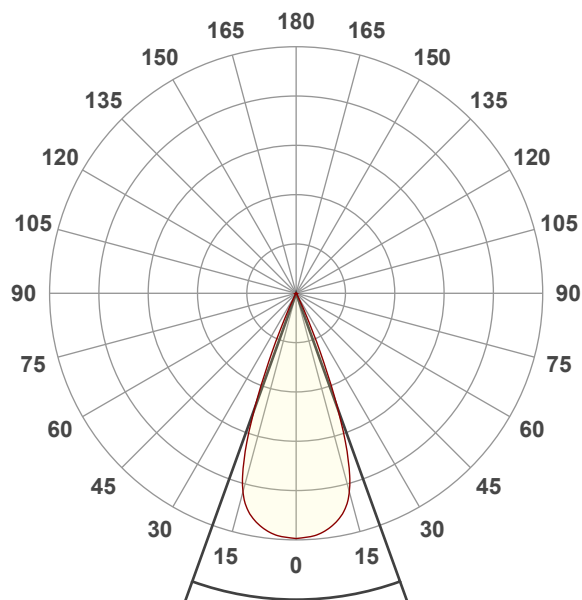
Red - HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 17:44:11

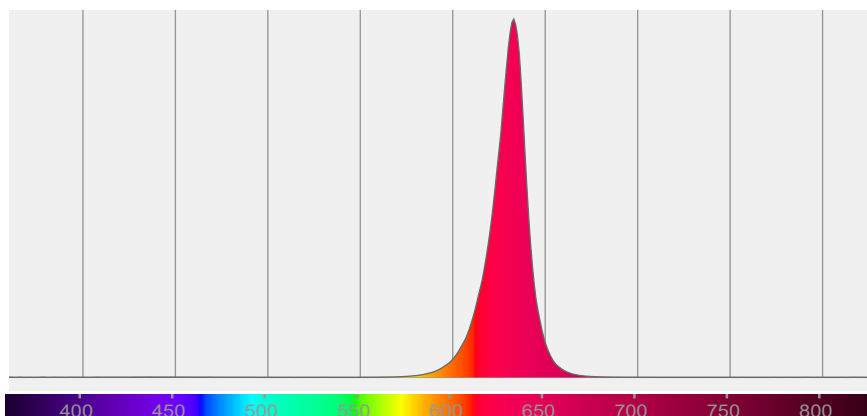


Beam angle 50%: 39,6°

Field angle 10%: 49,3°

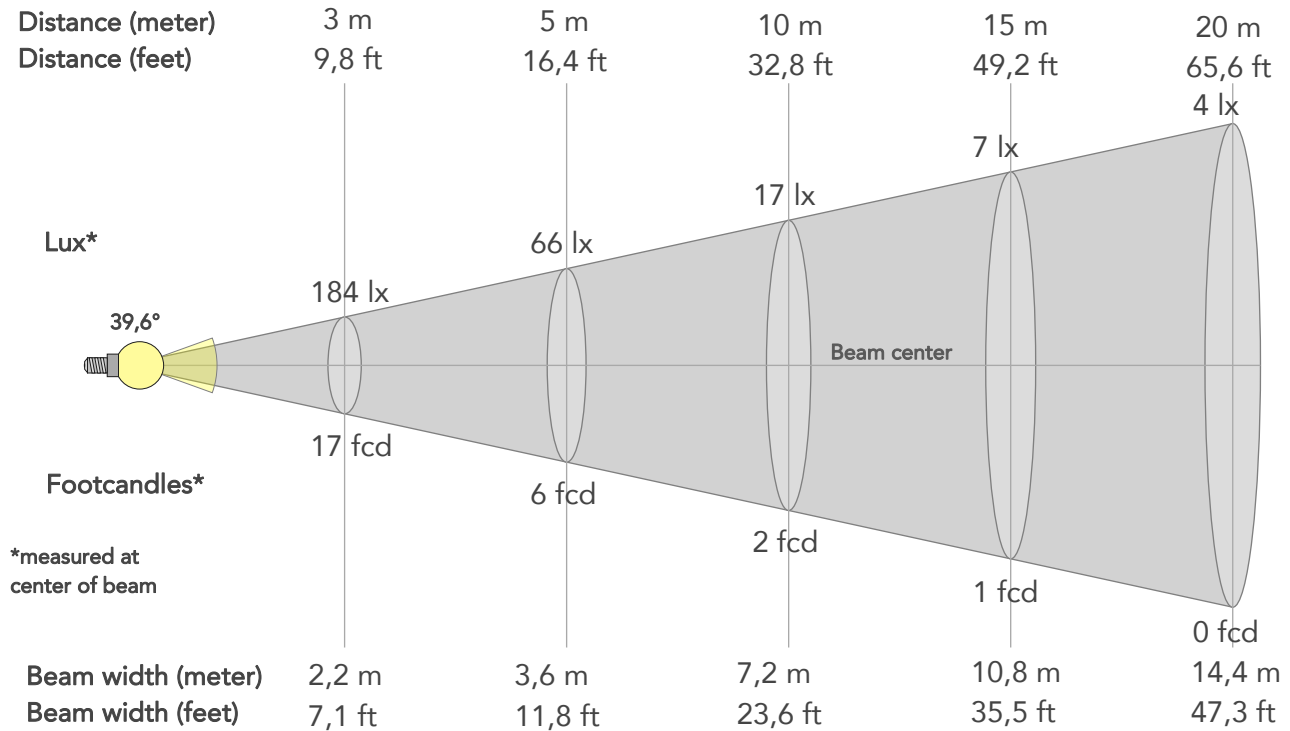
Cut off angle 2.5%: 54,5°

Spectra



BEAM DETAILS

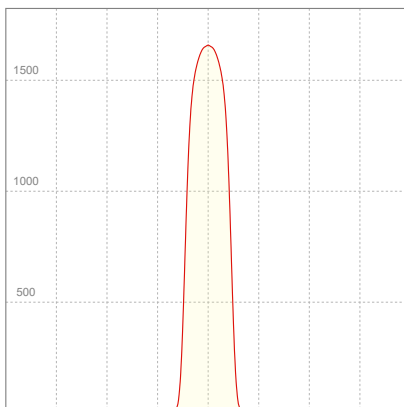
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,6°	49,3°	54,5°	98,7%	97,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1658lx	414lx	184lx	104lx	66lx	29lx	17lx	7lx	4lx	3lx	2lx	1lx	1lx
Footcand.	154fcd	39fcd	17fcd	10fcd	6fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,4m	2,2m	2,9m	3,6m	5,4m	7,2m	10,8m	14,4m	18m	21,6m	28,8m	36m
Beam wid.	2,4ft	4,8ft	7,1ft	9,4ft	11,8ft	17,7ft	23,6ft	35,5ft	47,3ft	59,1ft	70,9ft	94,6ft	118,2ft

LINEAR DISTRIBUTION DIAGRAM

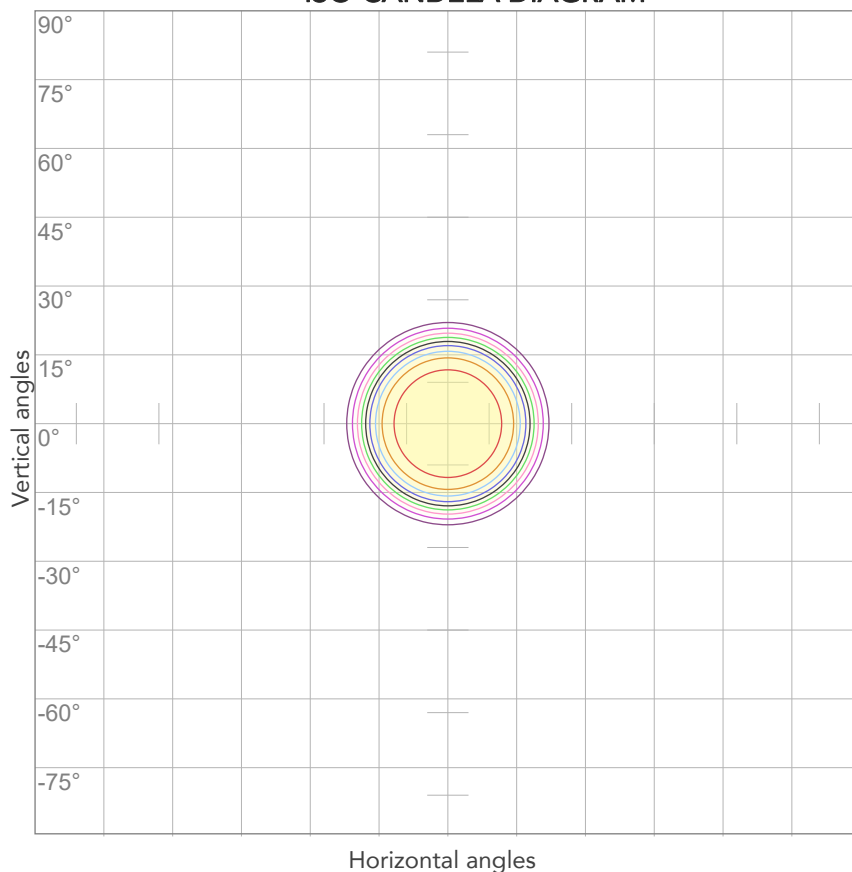


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,236A	46,4W	0,86	14lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



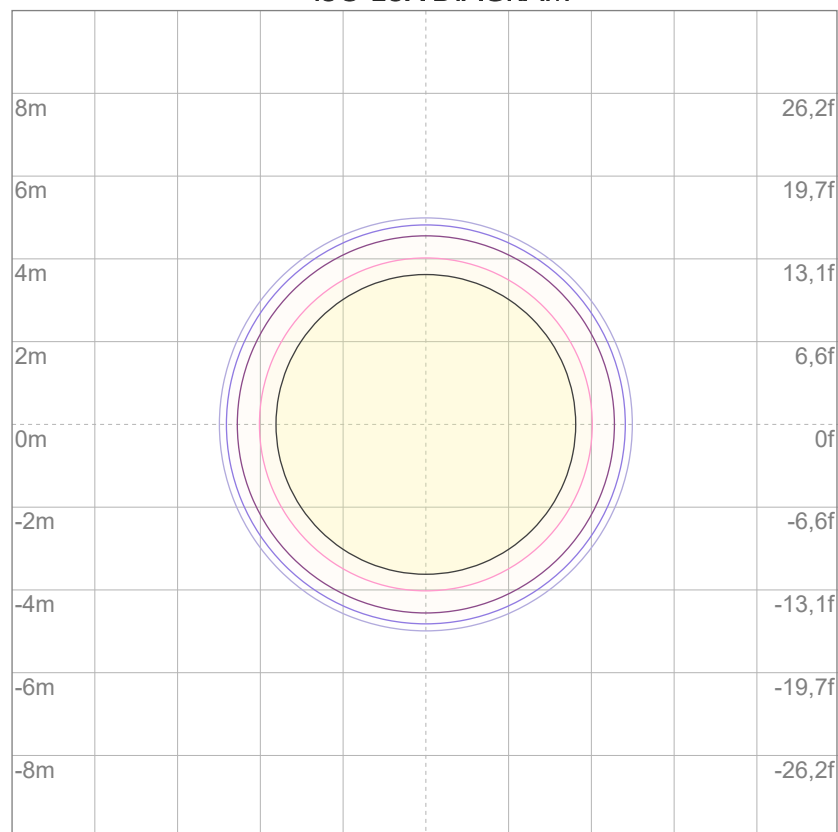
10%	166 cd
20%	332 cd
30%	497 cd
40%	663 cd
50%	829 cd
60%	995 cd
70%	1161 cd
80%	1326 cd

Conditions:

Number of c-planes: 2

Candela at center: 1658 cd

ISO LUX DIAGRAM



3%	0,497 lx
5%	0,829 lx
10%	1,66 lx
30%	4,97 lx
50%	8,29 lx

Conditions:

Number of c-planes: 2

Lux at center: 16,6 lx

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



Total lumen output:

454 lm

Peak candela output:

3941 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

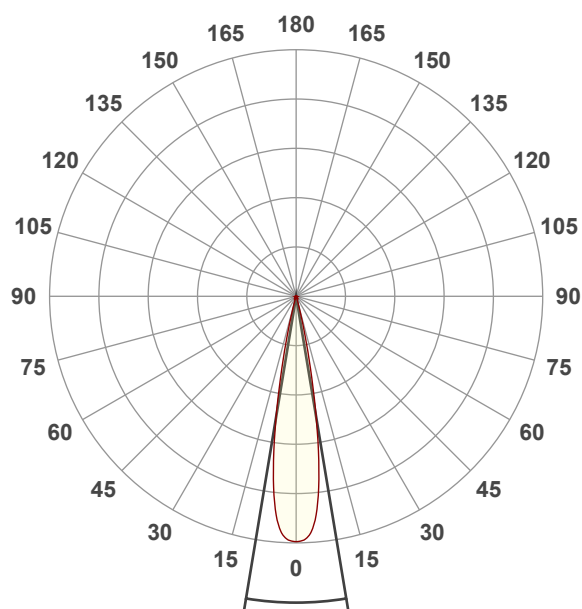
Red - HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 16:00:17

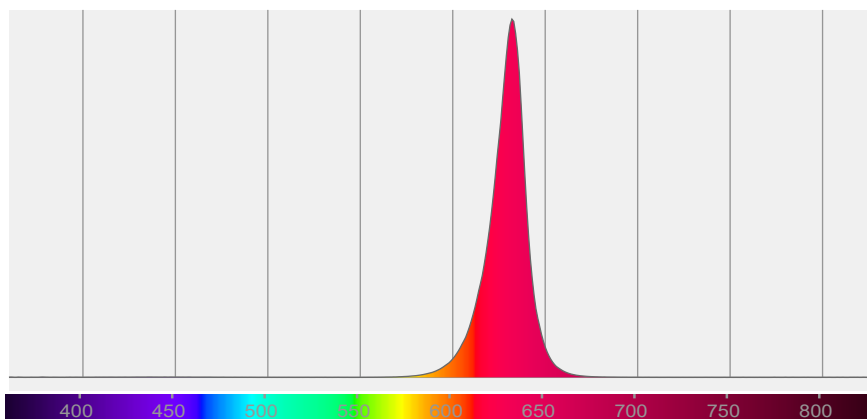


Beam angle 50%: 18,8°

Field angle 10%: 27,8°

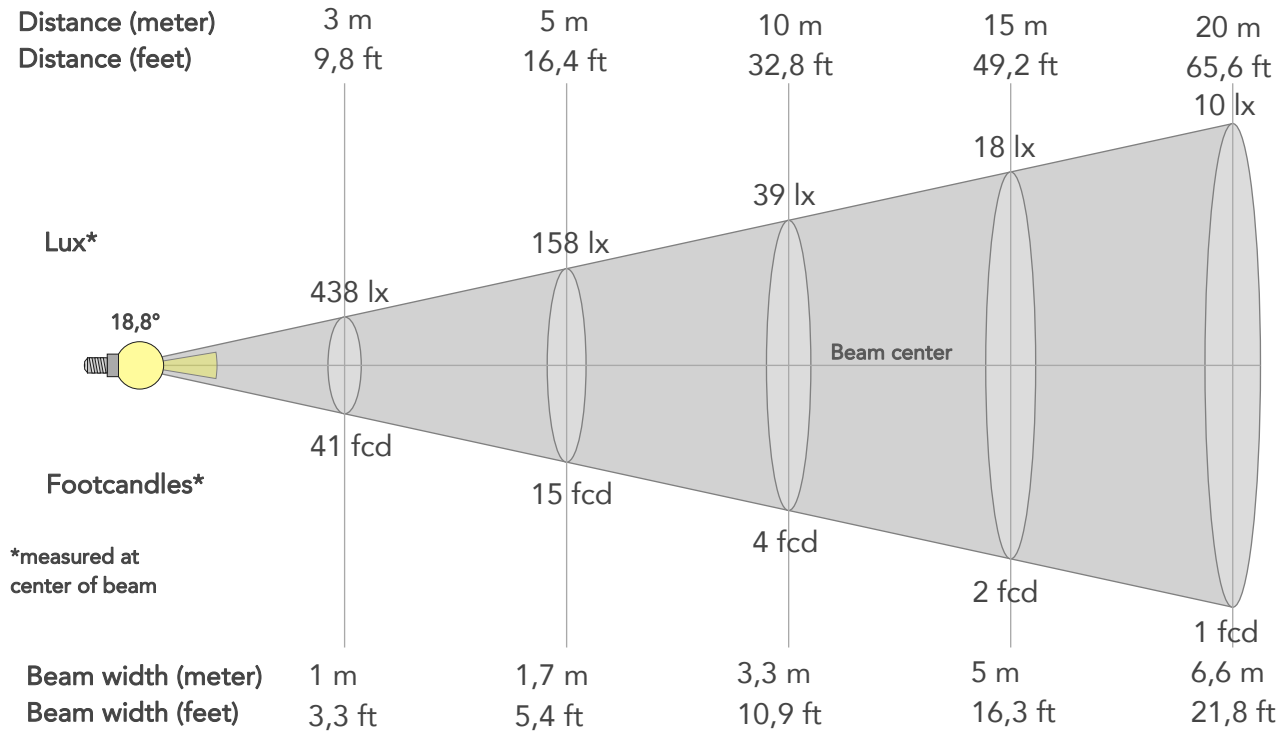
Cut off angle 2.5%: 32,5°

Spectra



BEAM DETAILS

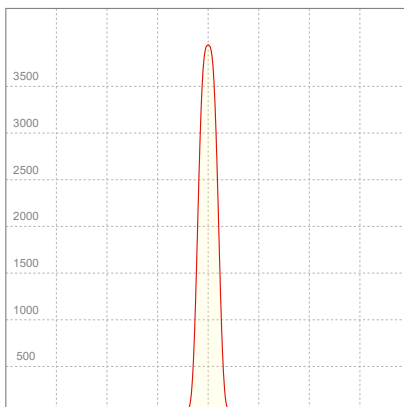
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,8°	27,8°	32,5°	98,3%	96,3%



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	3941lx	985lx	438lx	246lx	158lx	70lx	39lx	18lx	10lx	6lx	4lx	2lx	2lx
Footcand.	366fcd	92fcd	41fcd	23fcd	15fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,7m	2,5m	3,3m	5m	6,6m	8,3m	10m	13,3m	16,6m
Beam wid.	1,1ft	2,2ft	3,3ft	4,3ft	5,4ft	8,2ft	10,9ft	16,3ft	21,8ft	27,2ft	32,6ft	43,5ft	54,4ft

LINEAR DISTRIBUTION DIAGRAM

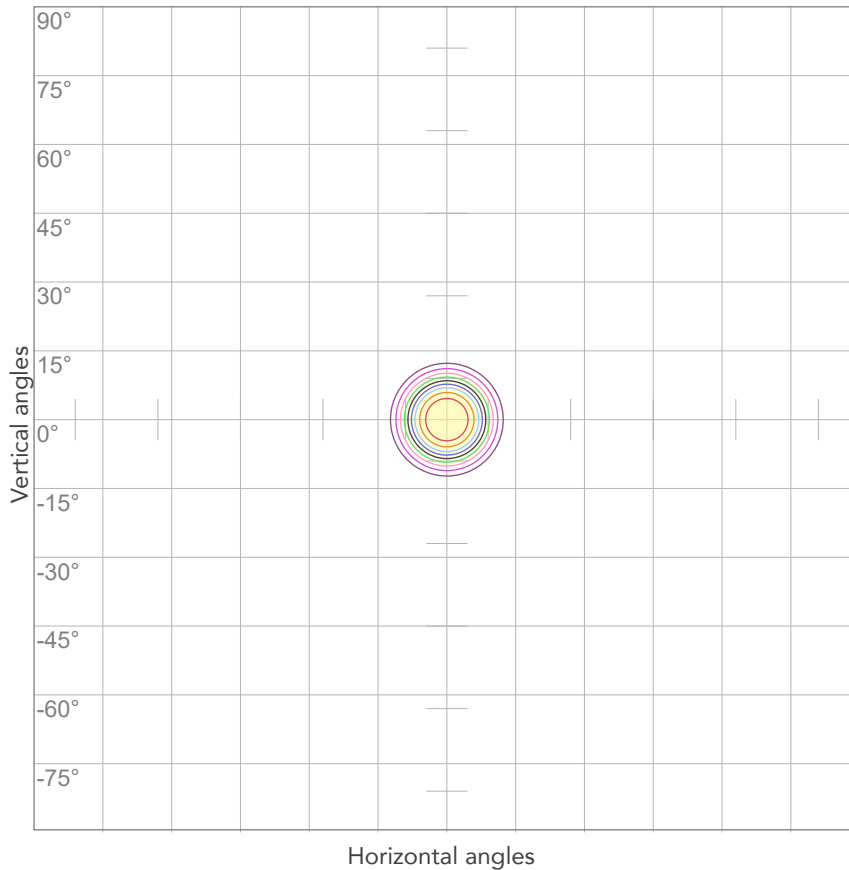


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,228A	44,9W	0,87	10lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



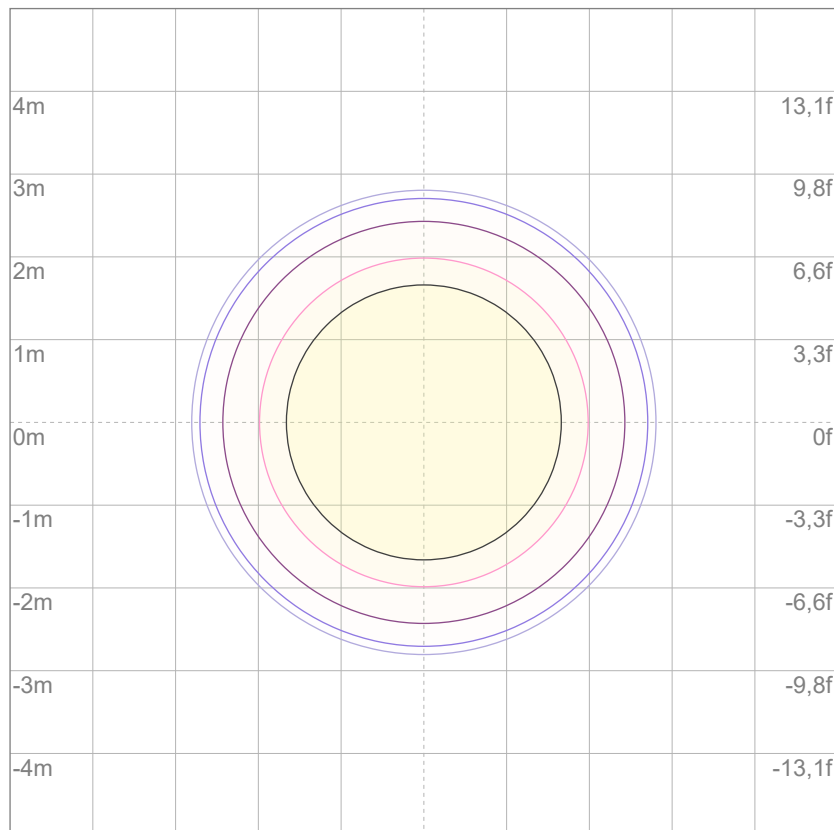
10%	394 cd
20%	788 cd
30%	1182 cd
40%	1576 cd
50%	1970 cd
60%	2364 cd
70%	2758 cd
80%	3153 cd

Conditions:

Number of c-planes: 2

Candela at center: 3941 cd

ISO LUX DIAGRAM



3%	1,18 lx
5%	1,97 lx
10%	3,94 lx
30%	11,8 lx
50%	19,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 39,4 lx

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



Total lumen output:

1280 lm

Peak candela output:

1379 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

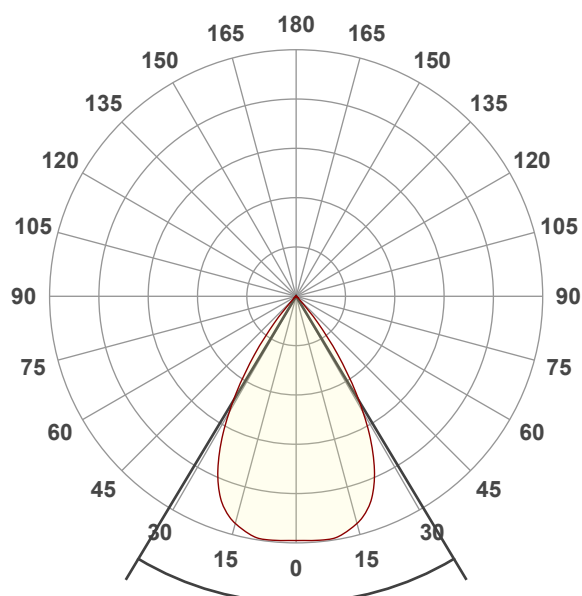
Green - HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 15:47:24

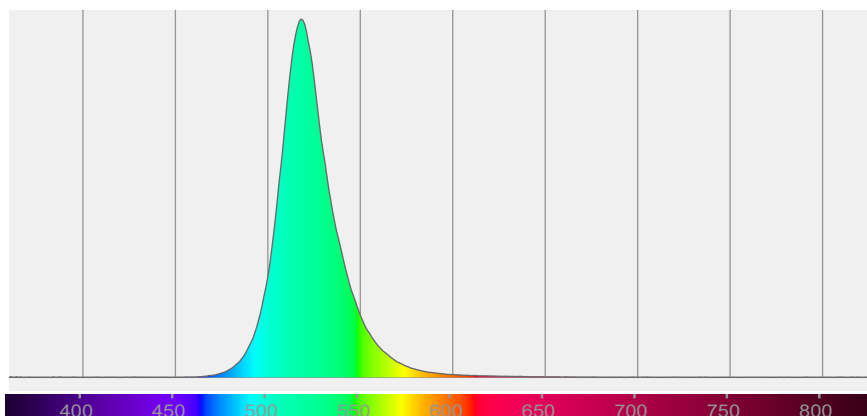


Beam angle 50%: 62°

Field angle 10%: 81,5°

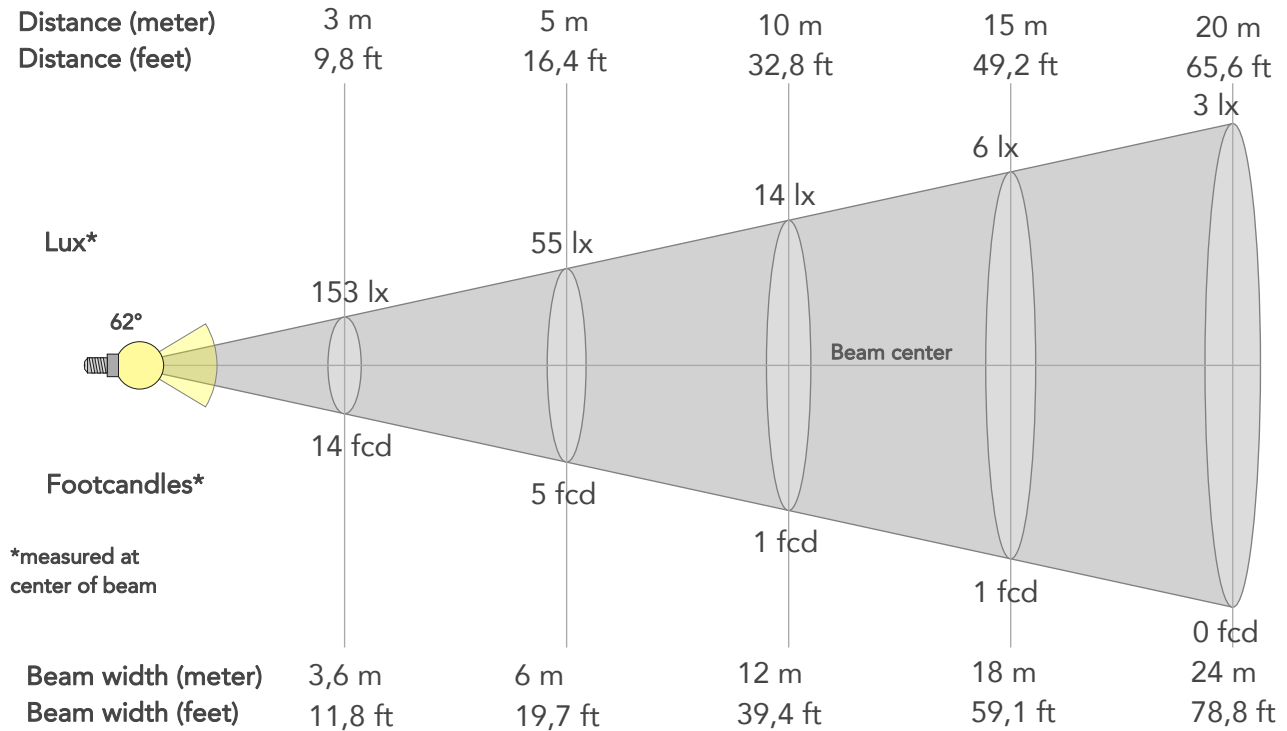
Cut off angle 2.5%: 88,8°

Spectra



BEAM DETAILS

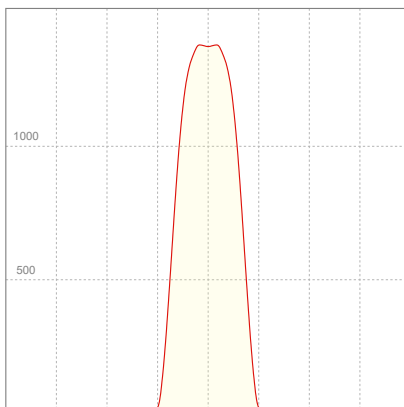
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
62°	81,5°	88,8°	99,4%	99,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1375lx	344lx	153lx	86lx	55lx	24lx	14lx	6lx	3lx	2lx	2lx	1lx	1lx
Footcand.	128fcd	32fcd	14fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,2m	2,4m	3,6m	4,8m	6m	9m	12m	18m	24m	30m	36,1m	48,1m	60,1m
Beam wid.	4ft	7,9ft	11,8ft	15,7ft	19,7ft	29,6ft	39,4ft	59,1ft	78,8ft	98,6ft	118,3ft	157,7ft	197,1ft

LINEAR DISTRIBUTION DIAGRAM

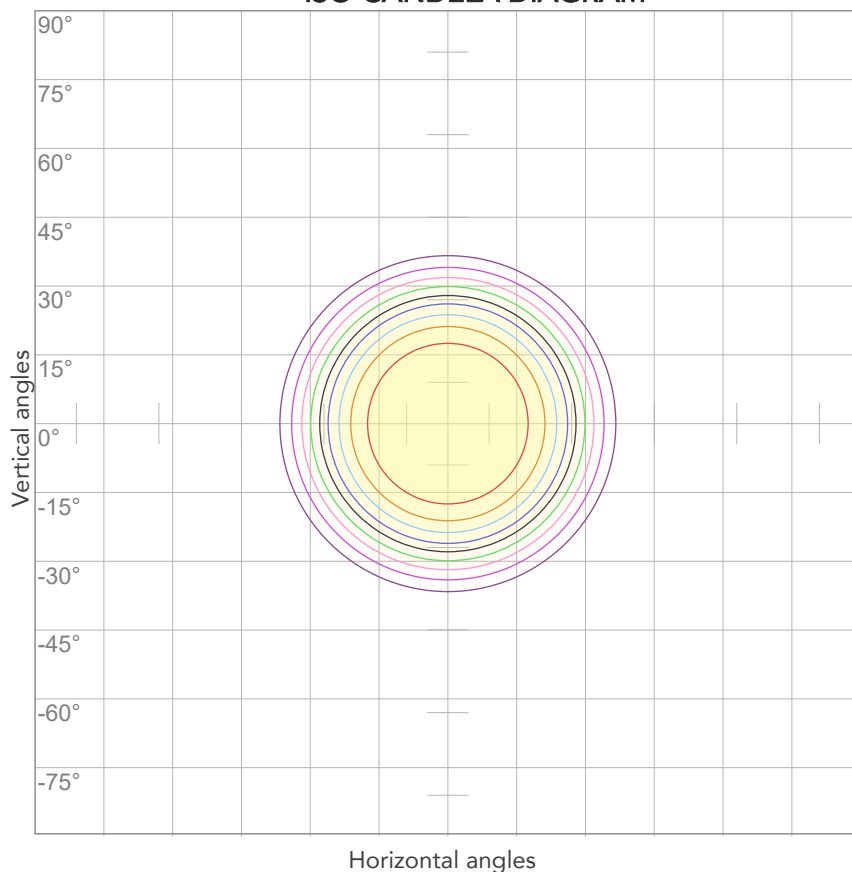


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,224A	44,0W	0,86	29lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



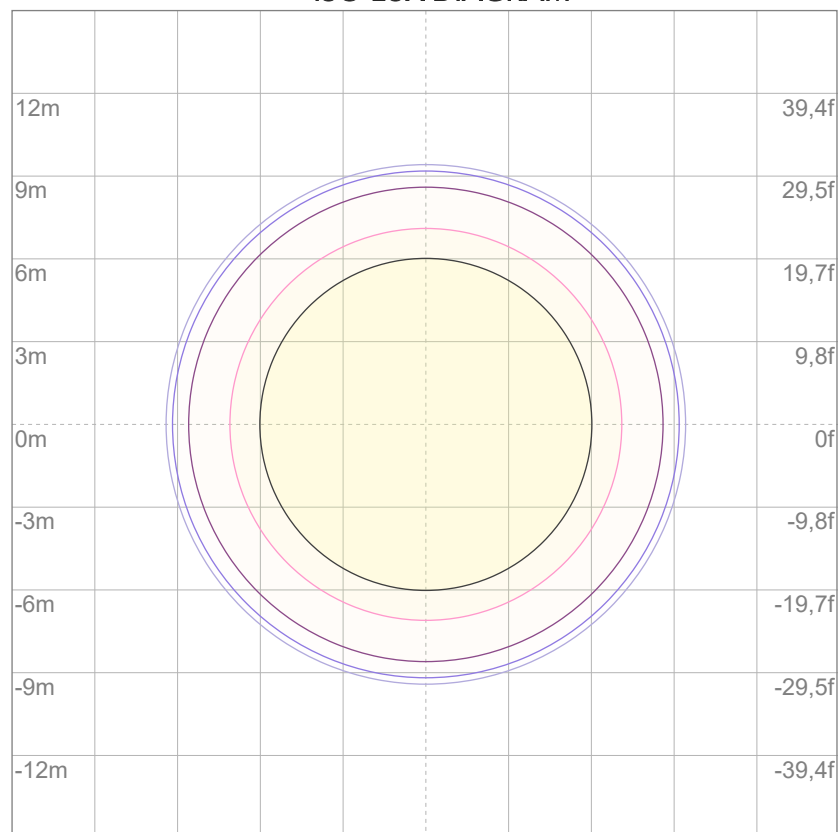
10%	137 cd
20%	275 cd
30%	412 cd
40%	550 cd
50%	687 cd
60%	825 cd
70%	962 cd
80%	1100 cd

Conditions:

Number of c-planes: 2

Candela at center: 1375 cd

ISO LUX DIAGRAM



3%	0,412 lx
5%	0,687 lx
10%	1,37 lx
30%	4,12 lx
50%	6,87 lx

Conditions:

Number of c-planes: 2

Lux at center: 13,7 lx

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



Total lumen output:

971 lm

Peak candela output:

2468 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

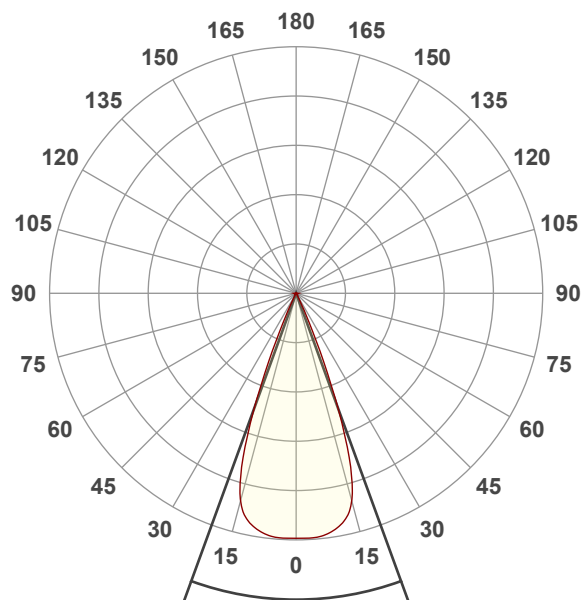
Green - HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 17:45:29

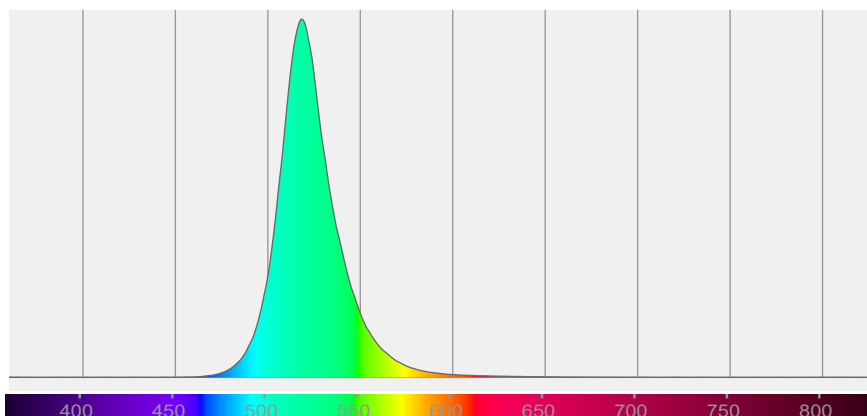


Beam angle 50%: 40°

Field angle 10%: 49,4°

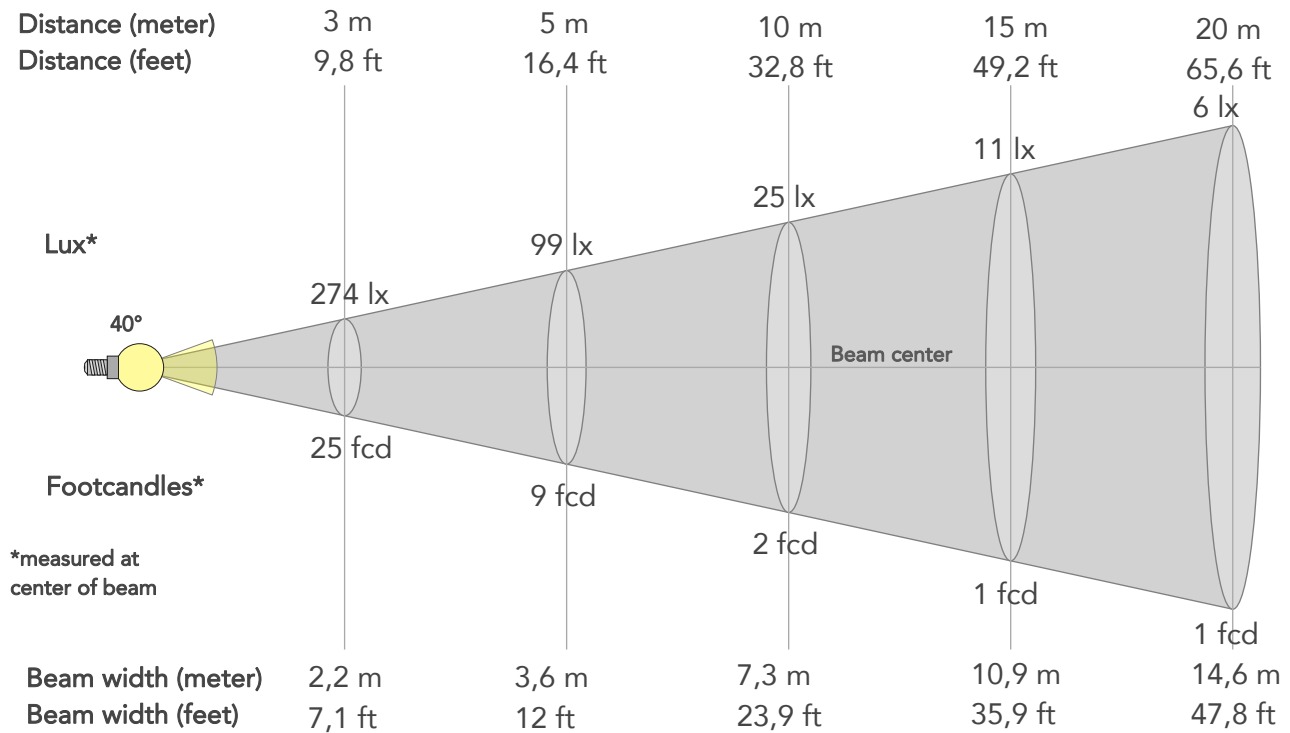
Cut off angle 2.5%: 54,4°

Spectra



BEAM DETAILS

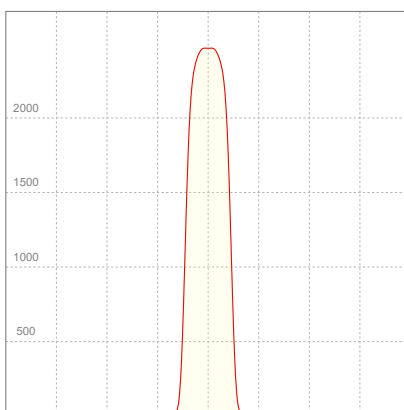
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40°	49,4°	54,4°	99,0%	97,9%



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	2468lx	617lx	274lx	154lx	99lx	44lx	25lx	11lx	6lx	4lx	3lx	2lx	1lx
Footcand.	229fcd	57fcd	25fcd	14fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	2,9m	3,6m	5,5m	7,3m	10,9m	14,6m	18,2m	21,9m	29,2m	36,4m
Beam wid.	2,4ft	4,8ft	7,1ft	9,5ft	12ft	17,9ft	23,9ft	35,9ft	47,8ft	59,8ft	71,7ft	95,6ft	119,5ft

LINEAR DISTRIBUTION DIAGRAM

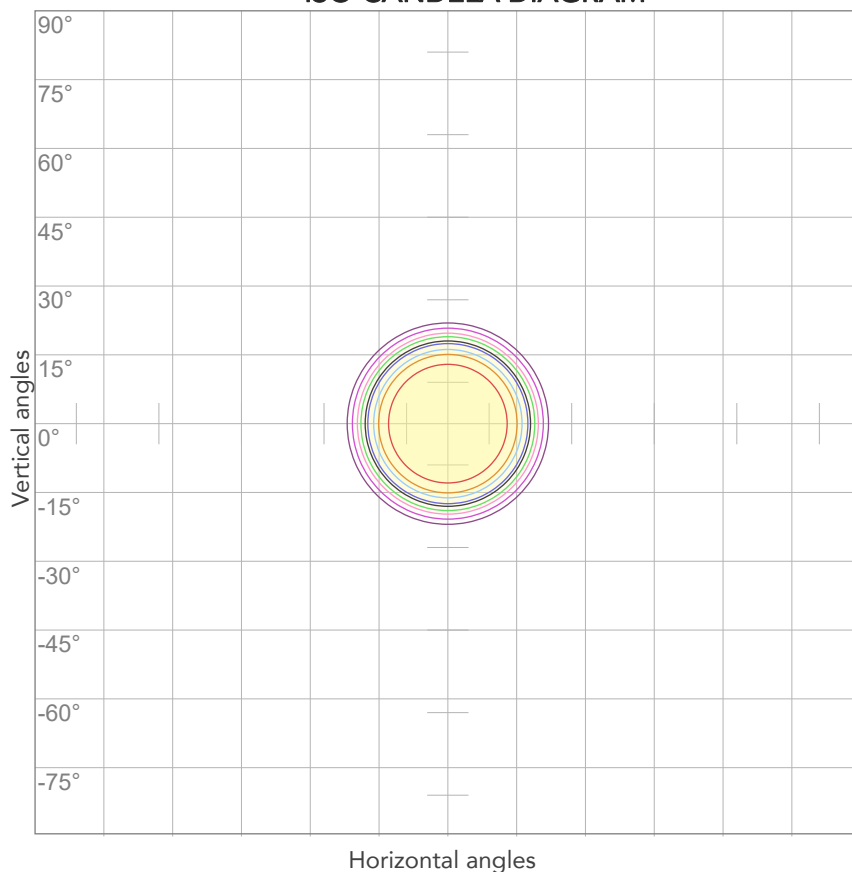


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,227A	44,0W	0,86	22lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



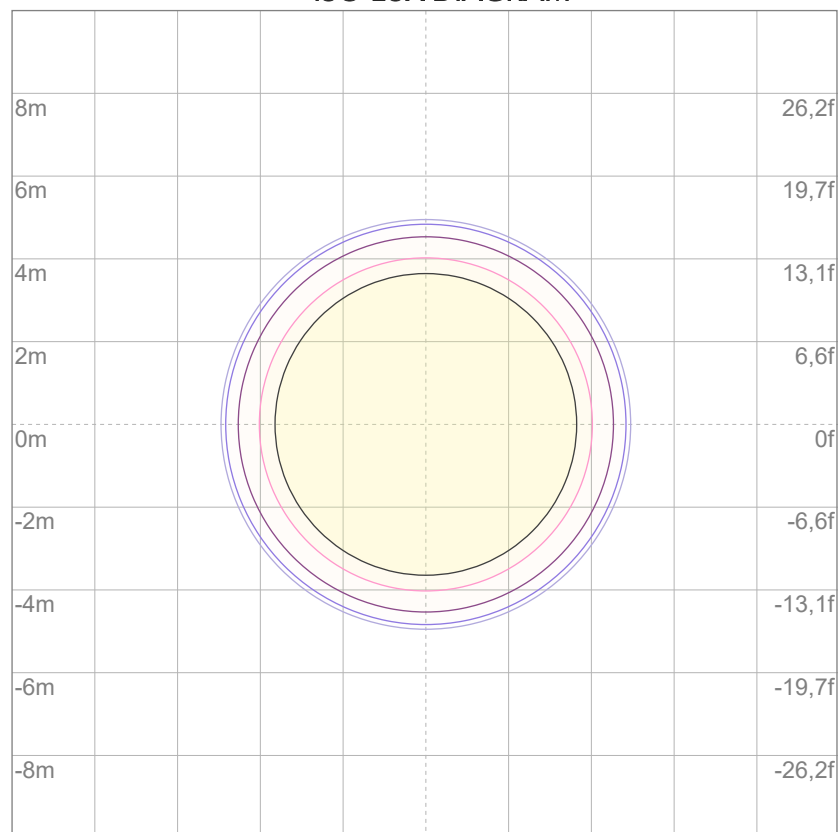
10%	247 cd
20%	494 cd
30%	740 cd
40%	987 cd
50%	1234 cd
60%	1481 cd
70%	1727 cd
80%	1974 cd

Conditions:

Number of c-planes: 2

Candela at center: 2468 cd

ISO LUX DIAGRAM



3%	0,740 lx
5%	1,23 lx
10%	2,47 lx
30%	7,40 lx
50%	12,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 24,7 lx

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



Total lumen output:

686 lm

Peak candela output:

6057 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

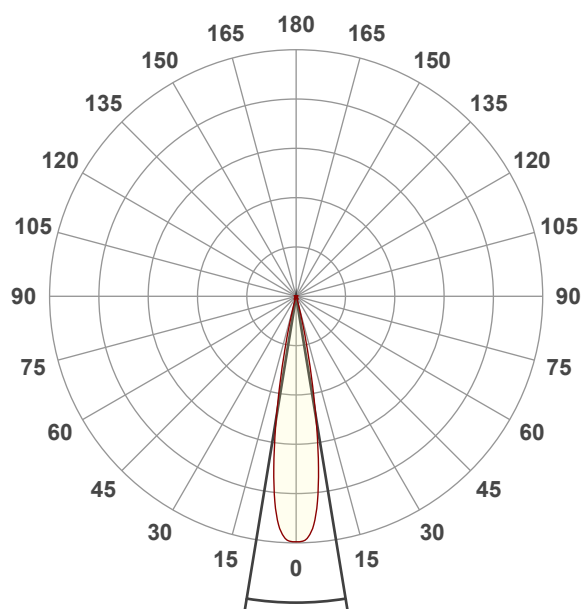
Green - HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 16:01:51

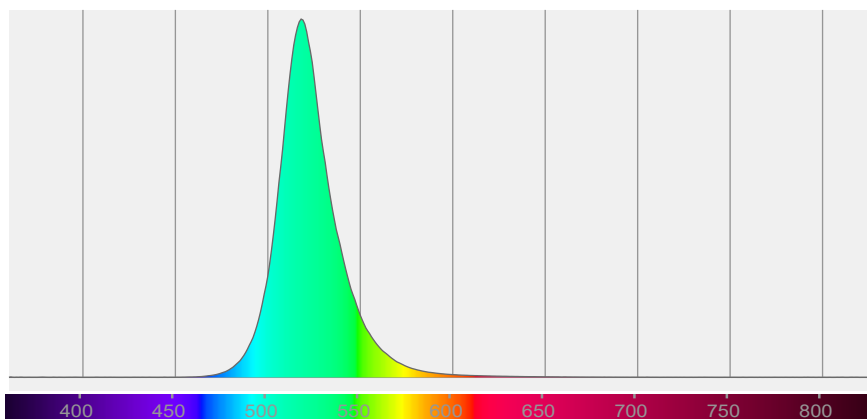


Beam angle 50%: 18,6°

Field angle 10%: 27,6°

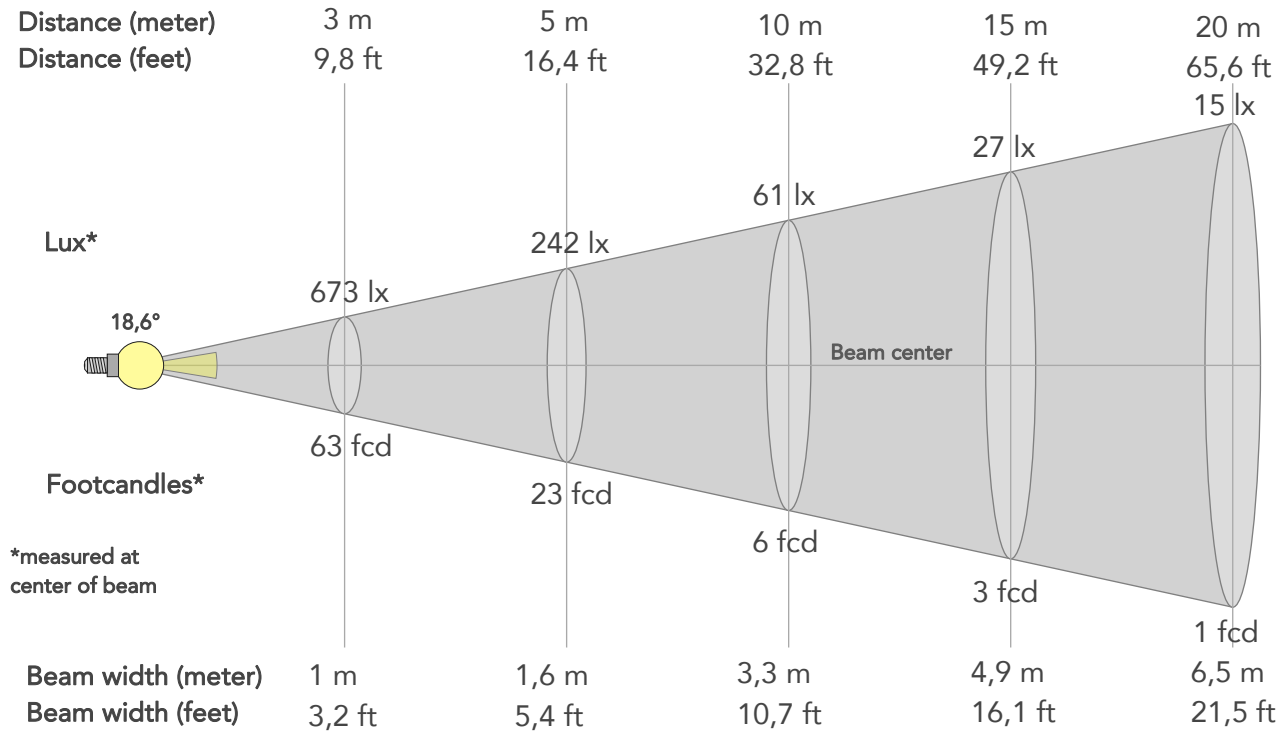
Cut off angle 2.5%: 32,3°

Spectra



BEAM DETAILS

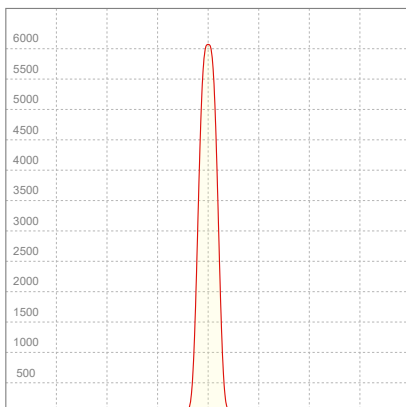
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,6°	27,6°	32,3°	98,5%	96,4%



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	6057lx	1514lx	673lx	379lx	242lx	108lx	61lx	27lx	15lx	10lx	7lx	4lx	2lx
Footcand.	563fcd	141fcd	63fcd	35fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,6m	2,5m	3,3m	4,9m	6,5m	8,2m	9,8m	13,1m	16,4m
Beam wid.	1,1ft	2,2ft	3,2ft	4,3ft	5,4ft	8,1ft	10,7ft	16,1ft	21,5ft	26,8ft	32,2ft	42,9ft	53,7ft

LINEAR DISTRIBUTION DIAGRAM

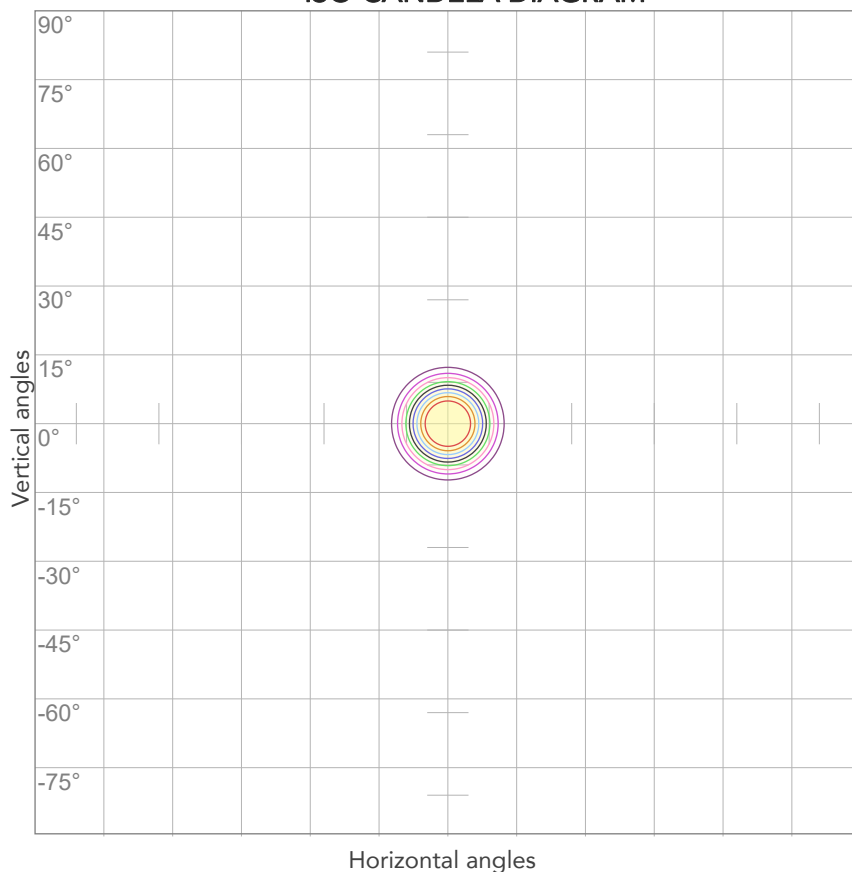


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,225A	44,2W	0,86	16lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



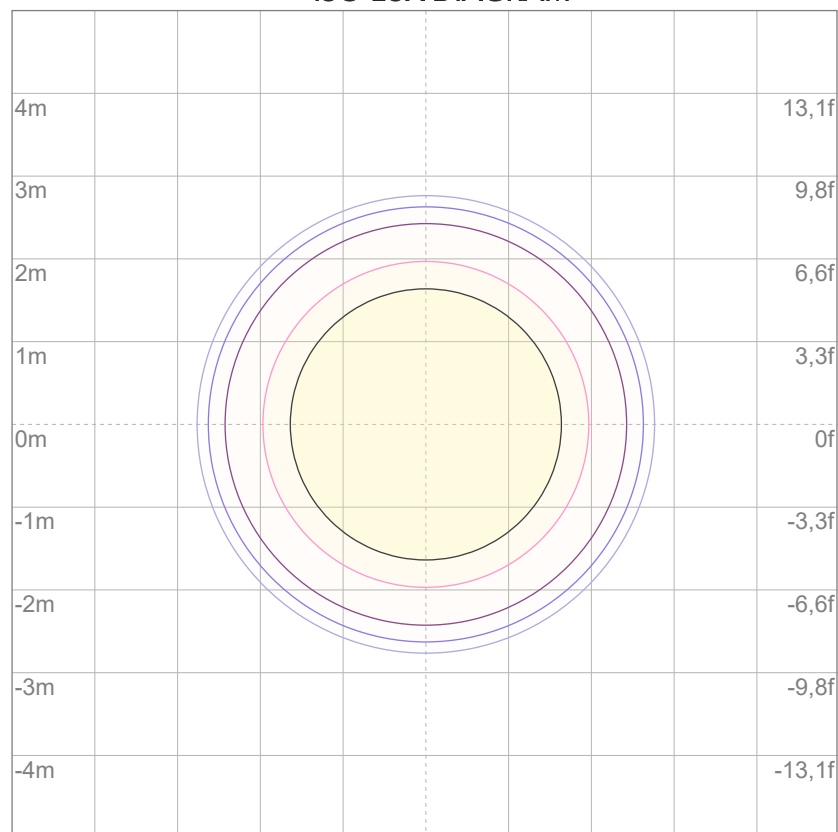
10%	606 cd
20%	1211 cd
30%	1817 cd
40%	2423 cd
50%	3029 cd
60%	3634 cd
70%	4240 cd
80%	4846 cd

Conditions:

Number of c-planes: 2

Candela at center: 6057 cd

ISO LUX DIAGRAM



3%	1,82 lx
5%	3,03 lx
10%	6,06 lx
30%	18,2 lx
50%	30,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 60,6 lx

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



Total lumen output:

216 lm

Peak candela output:

230 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

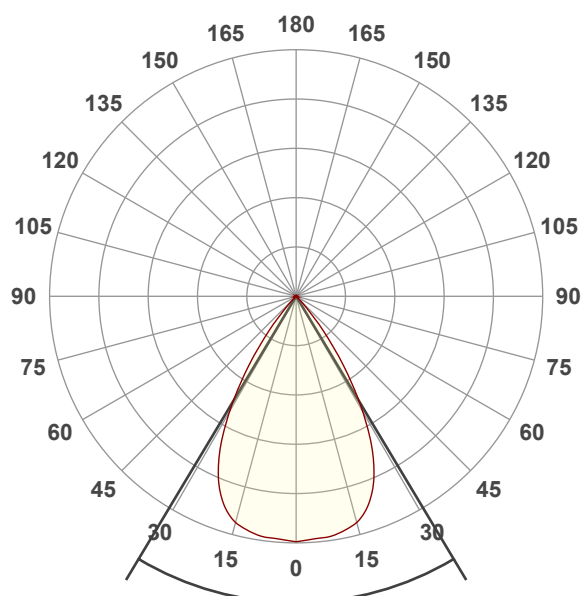
Blue - HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 15:48:55

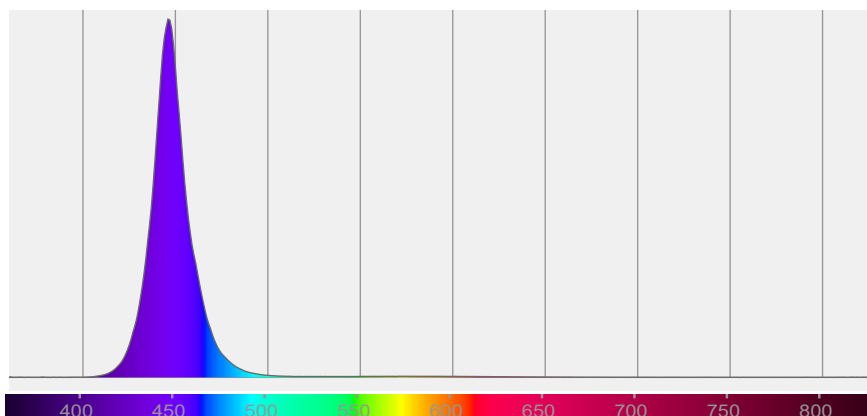


Beam angle 50%: 61,9°

Field angle 10%: 81,5°

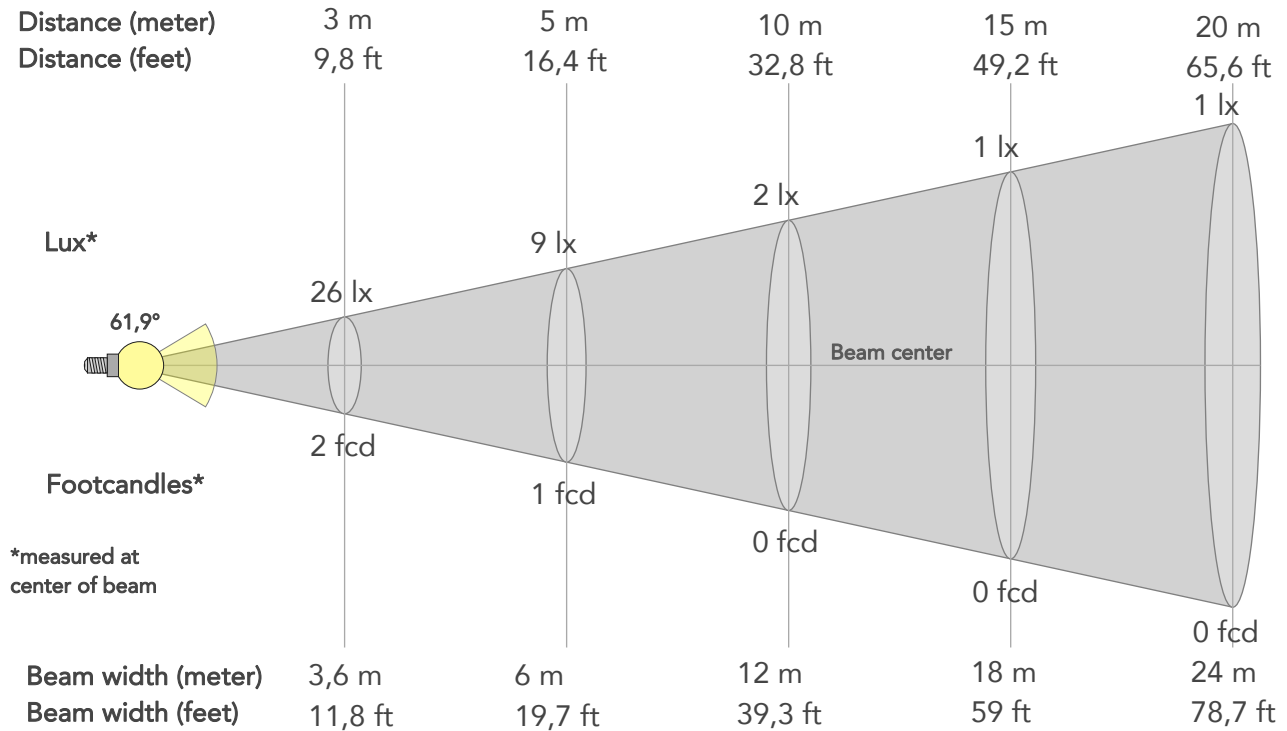
Cut off angle 2.5%: 89,2°

Spectra



BEAM DETAILS

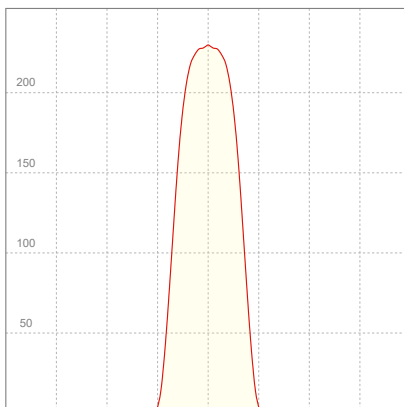
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
61,9°	81,5°	89,2°	97,9%	97,3%



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	230lx	57lx	26lx	14lx	9lx	4lx	2lx	1lx	1lx	0lx	0lx	0lx	0lx
Footcand.	21fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,2m	2,4m	3,6m	4,8m	6m	9m	12m	18m	24m	30m	36m	48m	60m
Beam wid.	4ft	7,9ft	11,8ft	15,7ft	19,7ft	29,5ft	39,3ft	59ft	78,7ft	98,3ft	118ft	157,4ft	196,7ft

LINEAR DISTRIBUTION DIAGRAM

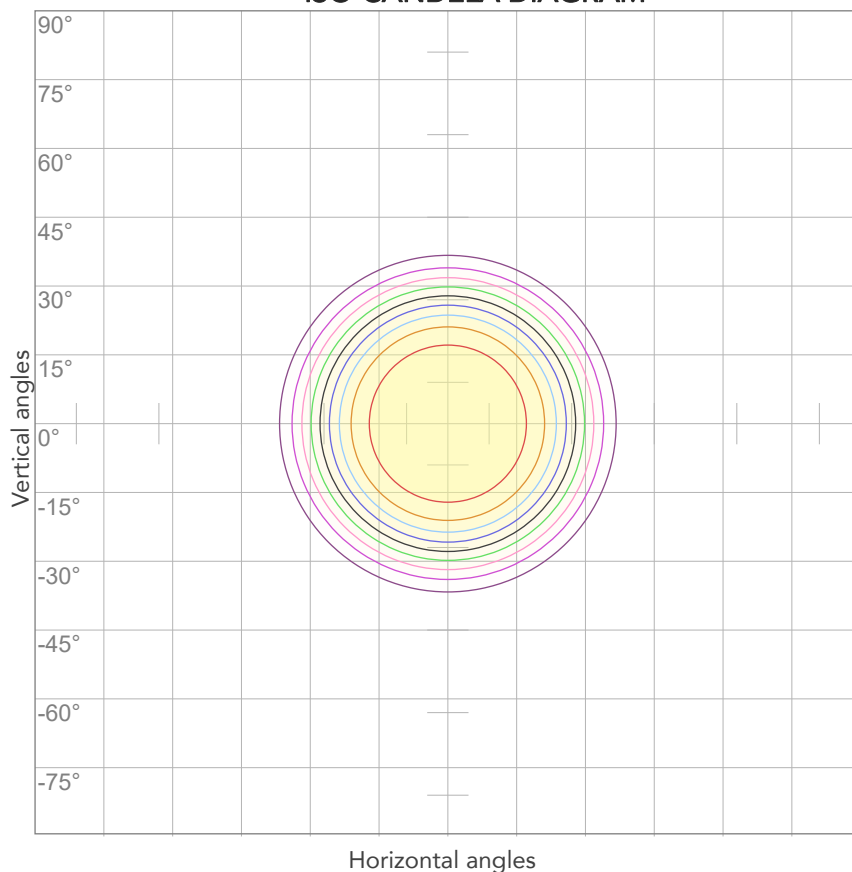


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,227A	44,7W	0,87	5lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



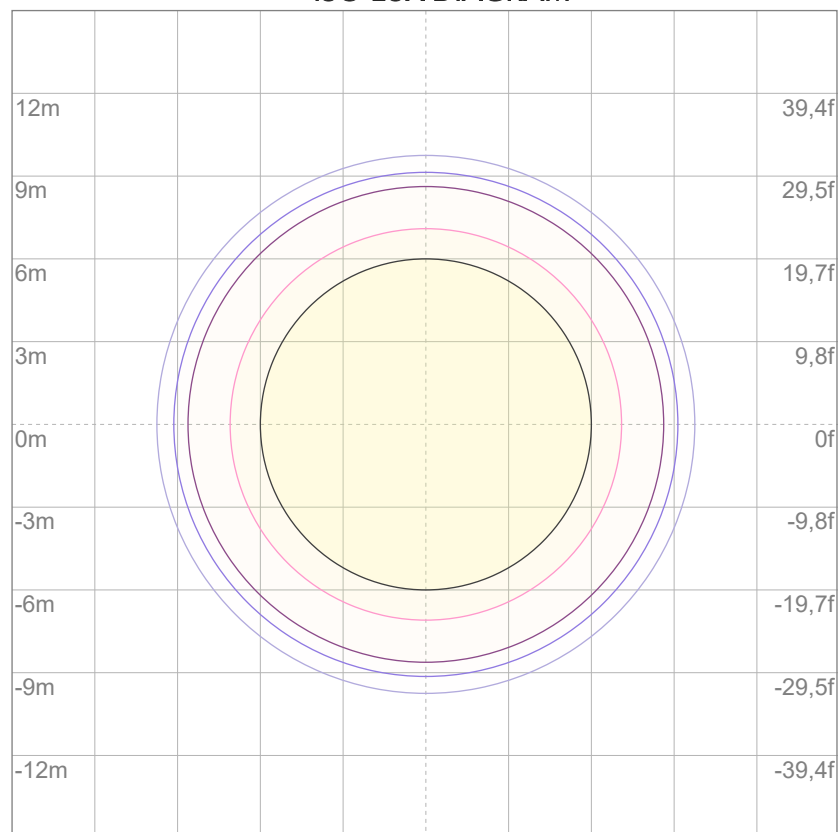
10%	23 cd
20%	46 cd
30%	69 cd
40%	92 cd
50%	115 cd
60%	138 cd
70%	161 cd
80%	184 cd

Conditions:

Number of c-planes: 2

Candela at center: 230 cd

ISO LUX DIAGRAM



3%	68,9m lx
5%	0,115 lx
10%	0,230 lx
30%	0,689 lx
50%	1,15 lx

Conditions:

Number of c-planes: 2

Lux at center: 2,30 lx

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



Total lumen output:

166 lm

Peak candela output:

414 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

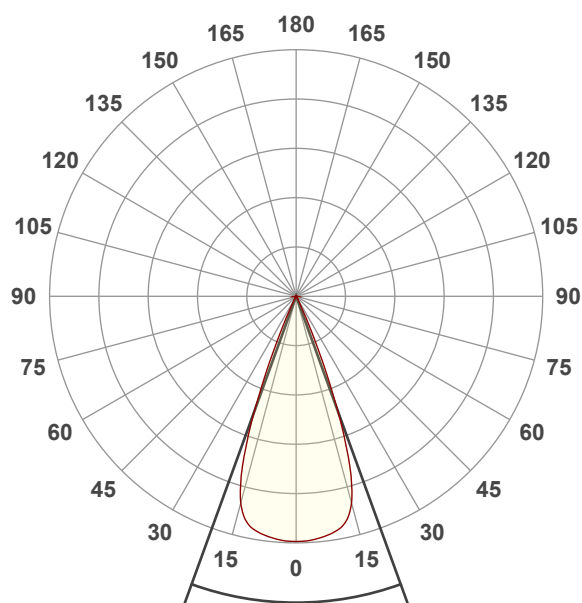
Blue - HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 17:46:56

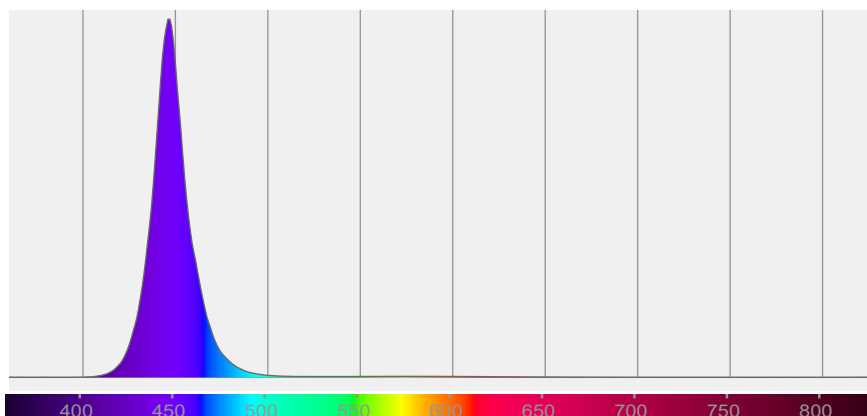


Beam angle 50%: 39,9°

Field angle 10%: 49,4°

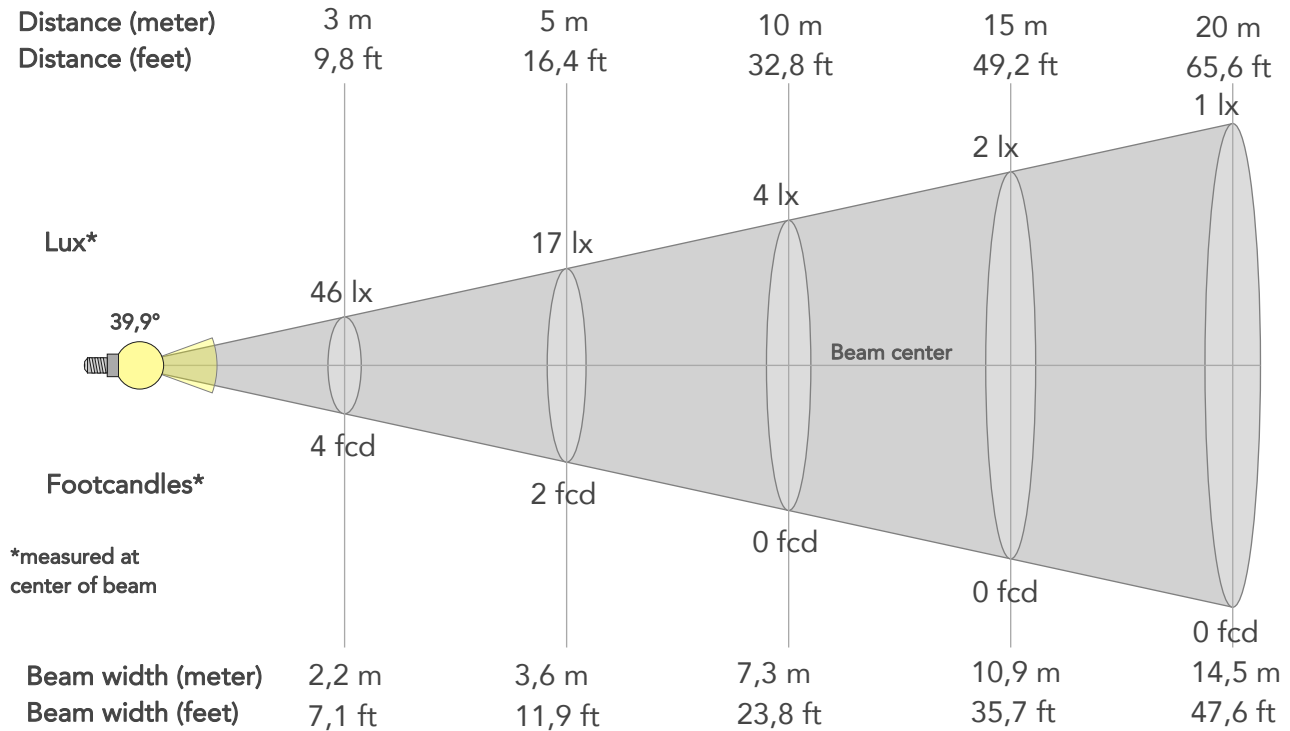
Cut off angle 2.5%: 54,3°

Spectra



BEAM DETAILS

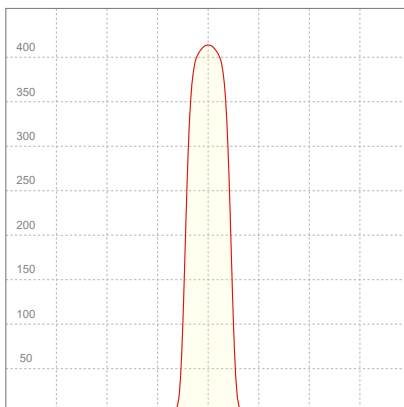
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,9°	49,4°	54,3°	97,2%	95,9%



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

LINEAR DISTRIBUTION DIAGRAM

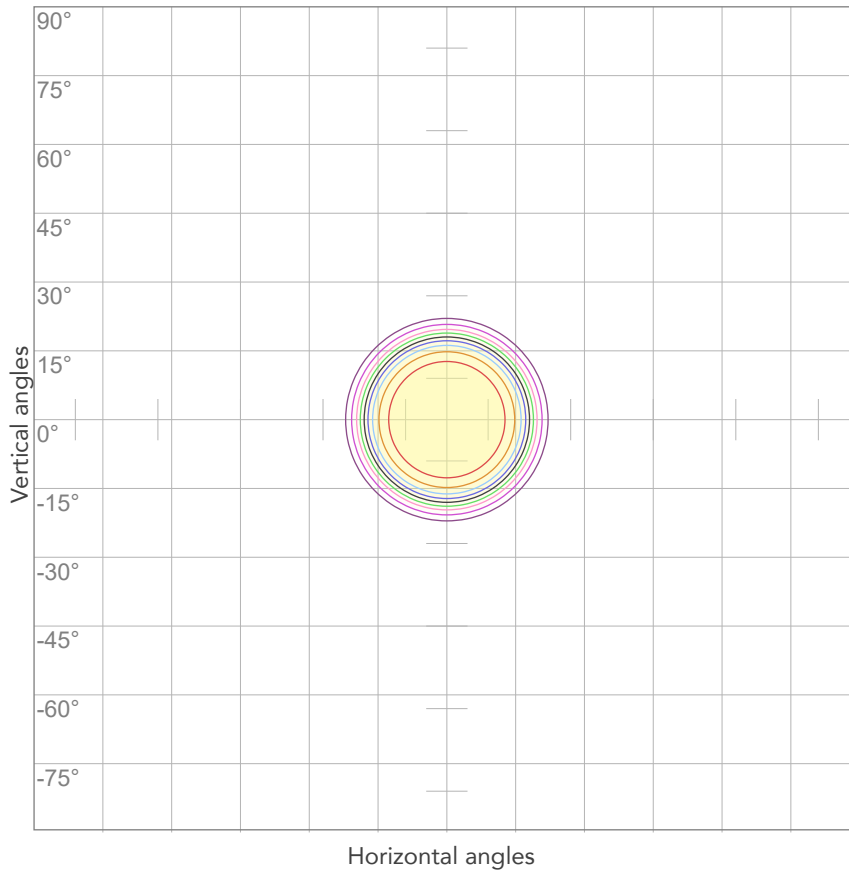


ELECTRICAL SPECIFICATIONS

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

ISO DIAGRAMS

ISO CANDELA DIAGRAM



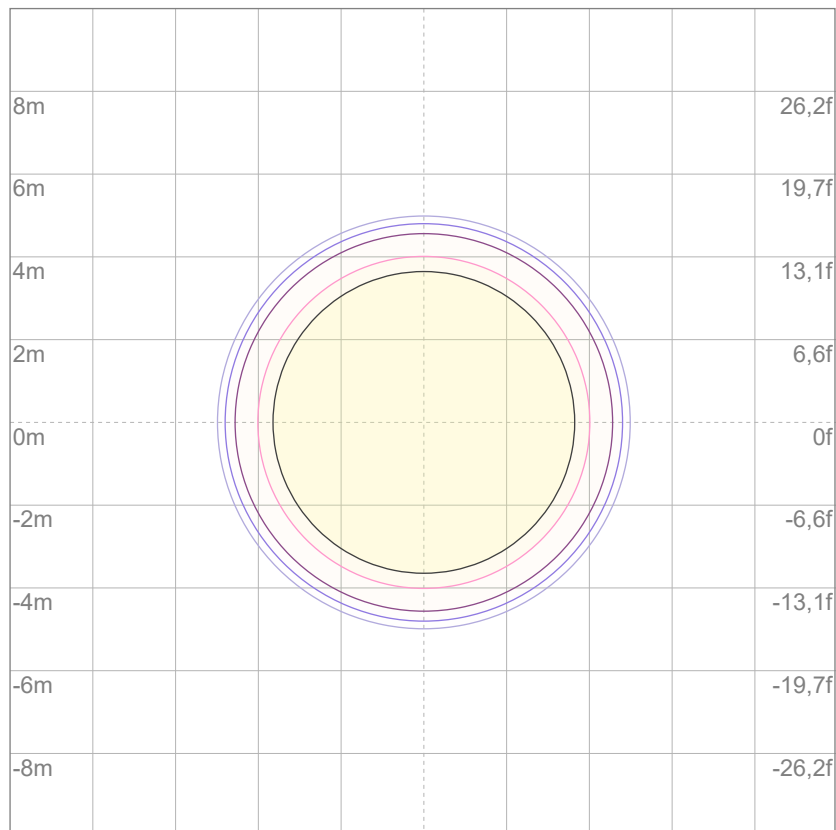
10%	41 cd
20%	83 cd
30%	124 cd
40%	165 cd
50%	207 cd
60%	248 cd
70%	289 cd
80%	331 cd

Conditions:

Number of c-planes: 2

Candela at center: 414 cd

ISO LUX DIAGRAM



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

Conditions:

Number of c-planes: 2

Lux at center: 4,14 lx

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



Total lumen output:

123 lm

Peak candela output:

1036 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

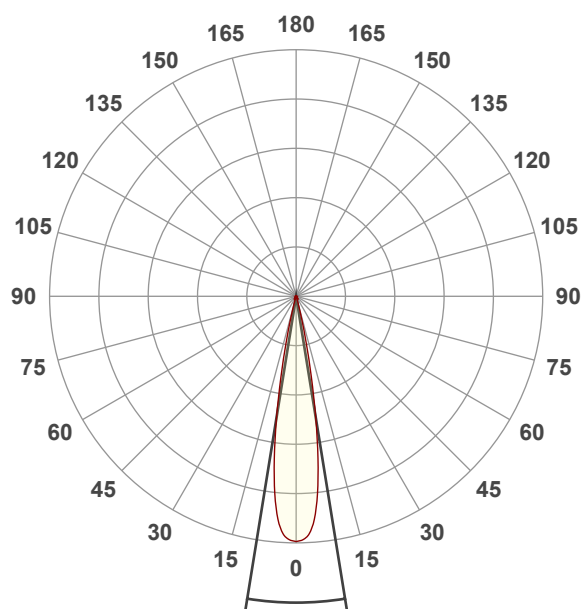
Blue - HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 16:03:09

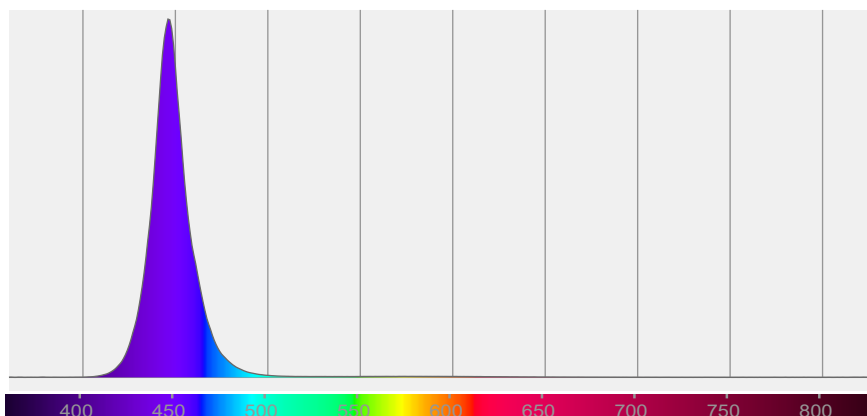


Beam angle 50%: 18,4°

Field angle 10%: 27,3°

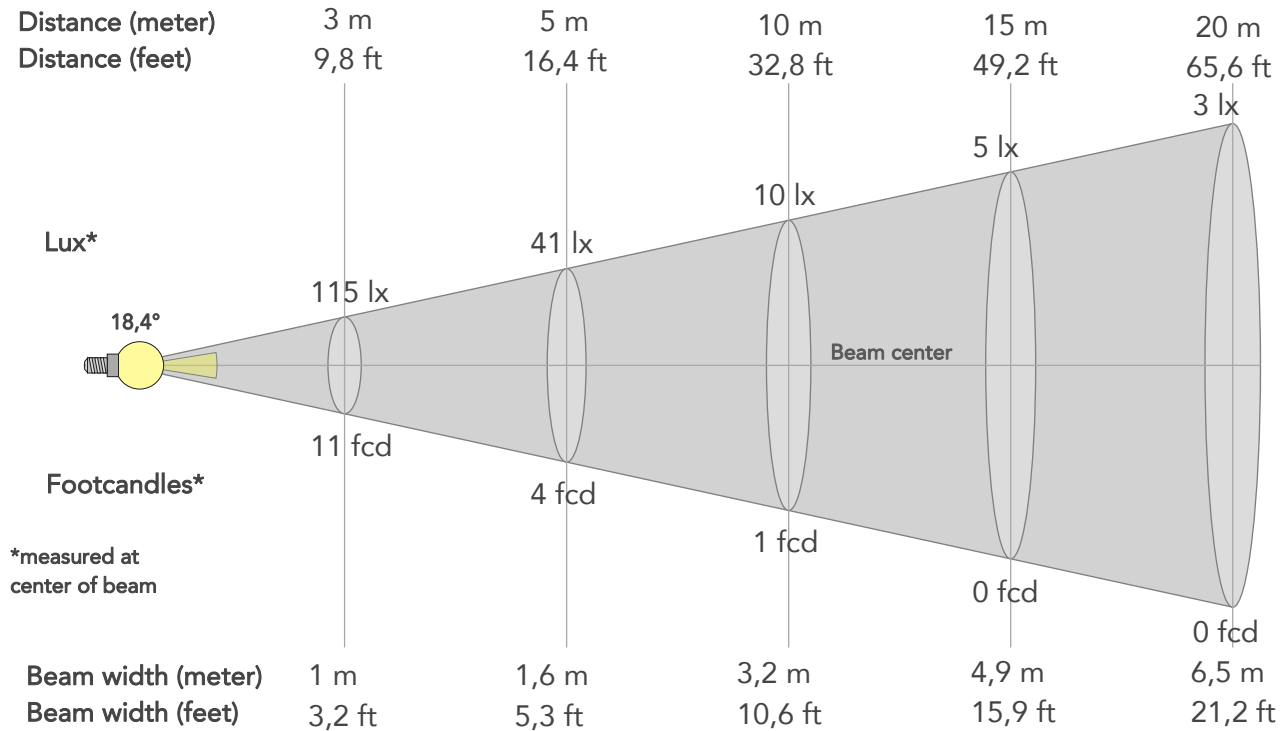
Cut off angle 2.5%: 32,3°

Spectra



BEAM DETAILS

Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,4°	27,3°	32,3°	93,6%	90,9%



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	1036lx	259lx	115lx	65lx	41lx	18lx	10lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	96fcd	24fcd	11fcd	6fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	1m	1,3m	1,6m	2,4m	3,2m	4,9m	6,5m	8,1m	9,7m	12,9m	16,2m
Beam wid.	1,1ft	2,1ft	3,2ft	4,2ft	5,3ft	8ft	10,6ft	15,9ft	21,2ft	26,5ft	31,8ft	42,4ft	53,1ft

LINEAR DISTRIBUTION DIAGRAM

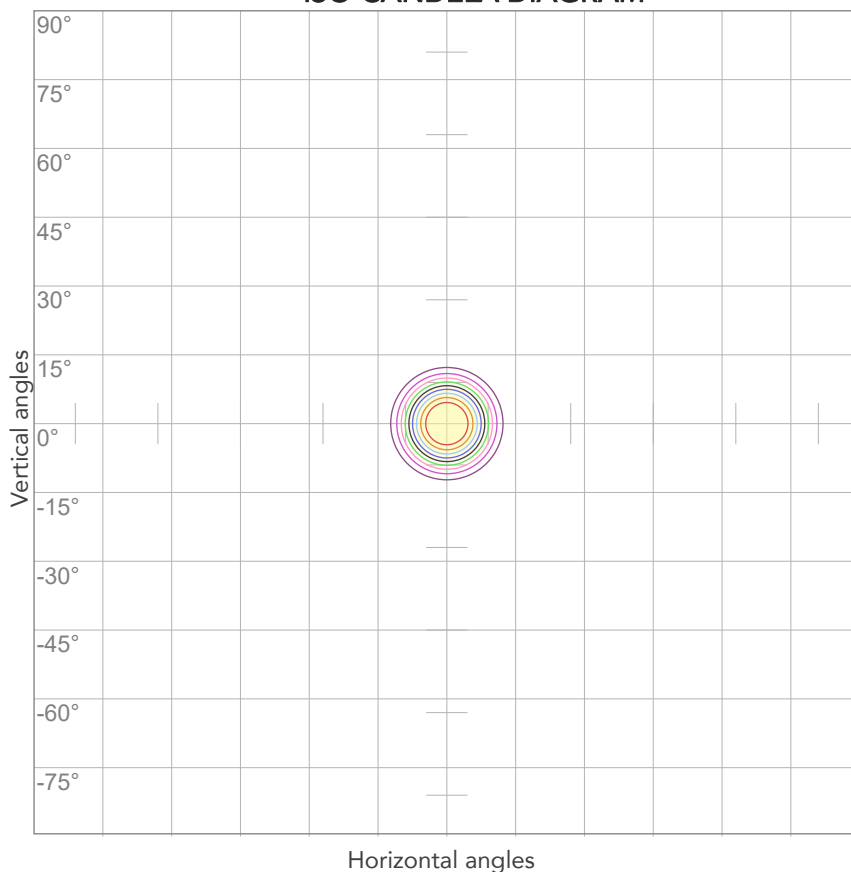


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,228A	44,7W	0,86	3lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



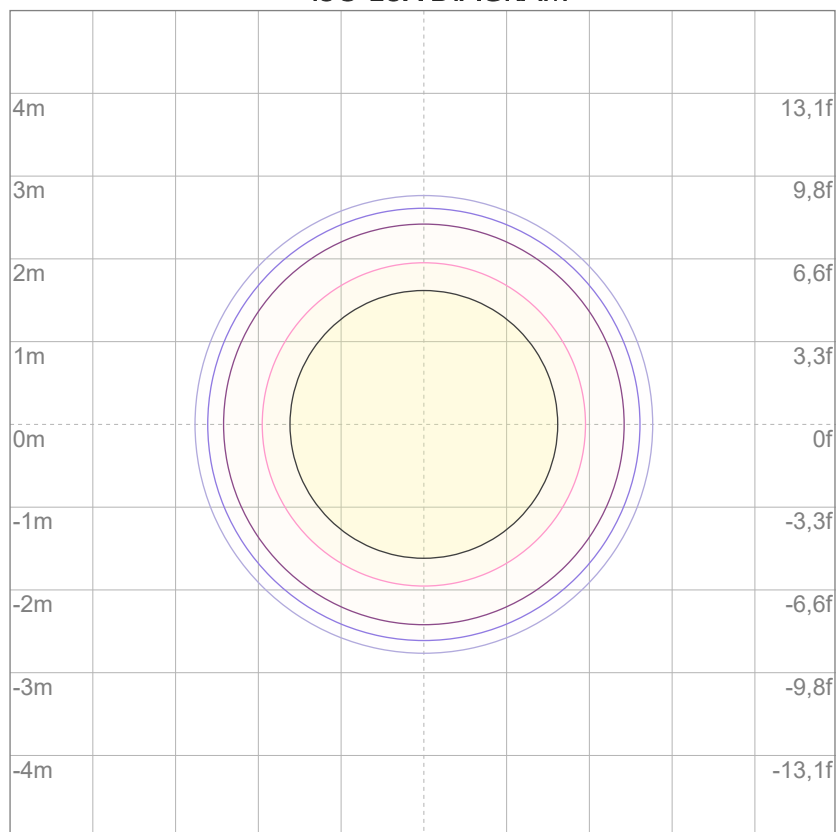
10%	104 cd
20%	207 cd
30%	311 cd
40%	414 cd
50%	518 cd
60%	622 cd
70%	725 cd
80%	829 cd

Conditions:

Number of c-planes: 2

Candela at center: 1036 cd

ISO LUX DIAGRAM



3%	0,311 lx
5%	0,518 lx
10%	1,04 lx
30%	3,11 lx
50%	5,18 lx

Conditions:

Number of c-planes: 2

Lux at center: 10,4 lx

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



Total lumen output:

174 lm

Peak candela output:

182 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

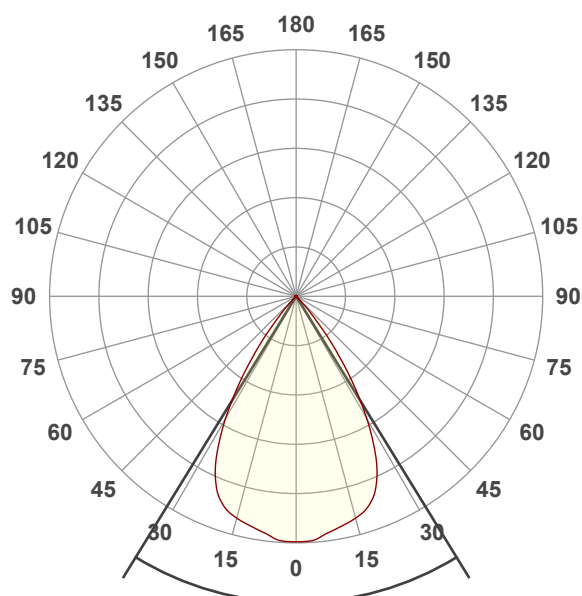
Cyan - HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 15:51:39

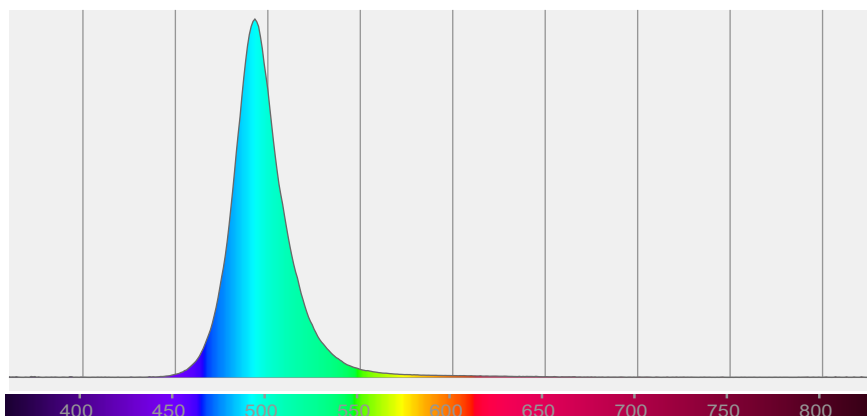


Beam angle 50%: 63,2°

Field angle 10%: 81,5°

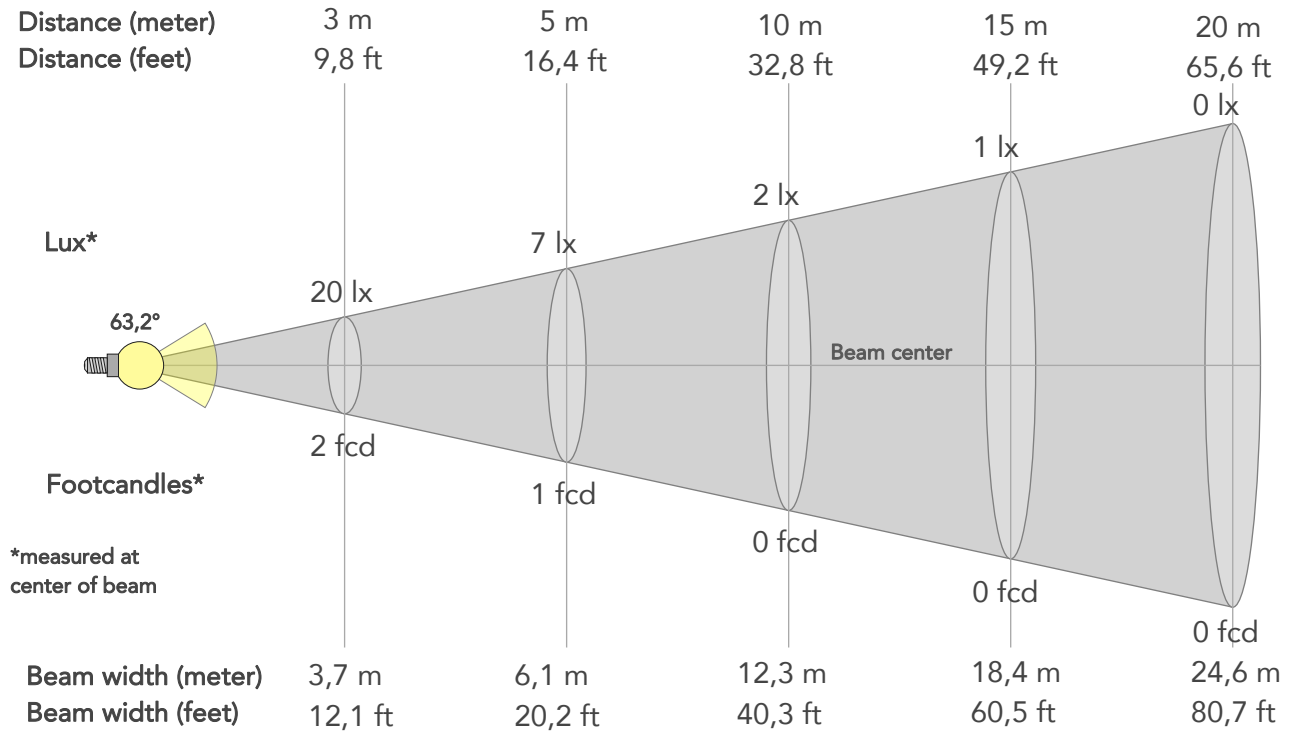
Cut off angle 2.5%: 88,9°

Spectra



BEAM DETAILS

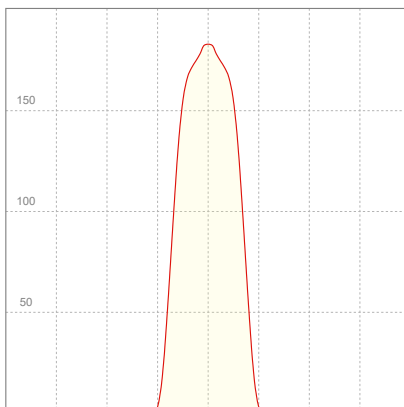
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
63,2°	81,5°	88,9°	99,0%	98,3%



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	182lx	46lx	20lx	11lx	7lx	3lx	2lx	1lx	0lx	0lx	0lx	0lx	0lx
Footcand.	17fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,2m	2,5m	3,7m	4,9m	6,1m	9,2m	12,3m	18,4m	24,6m	30,7m	36,9m	49,2m	61,5m
Beam wid.	4,1ft	8,1ft	12,1ft	16,1ft	20,2ft	30,2ft	40,3ft	60,5ft	80,7ft	100,8ft	121ft	161,3ft	201,7ft

LINEAR DISTRIBUTION DIAGRAM

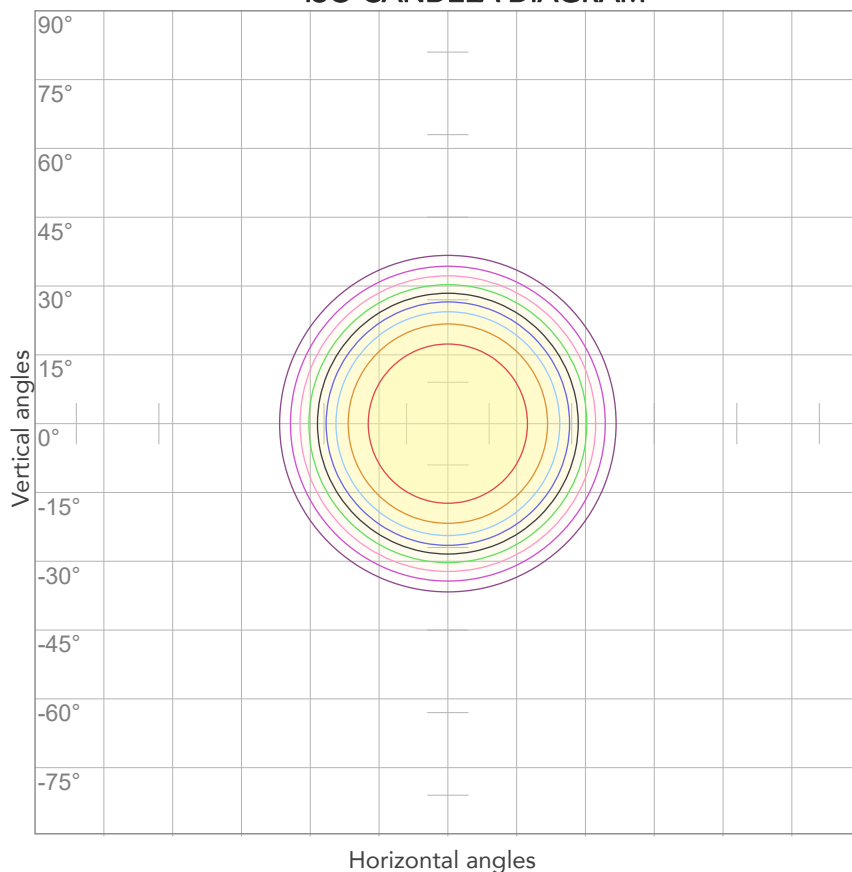


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,149A	16,5W	0,49	11lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



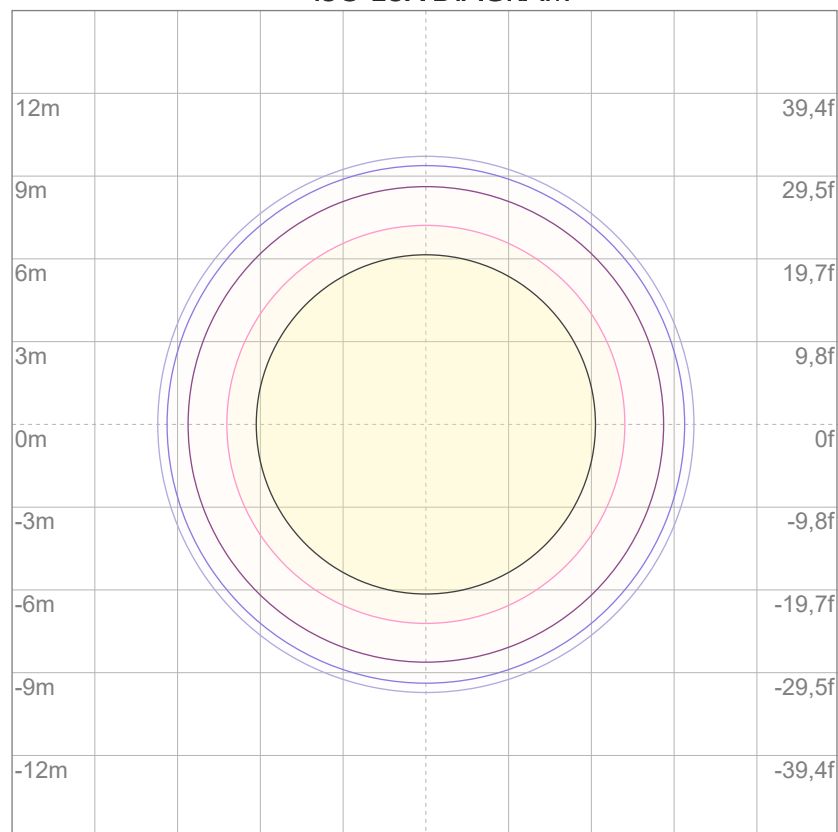
10%	18 cd
20%	36 cd
30%	55 cd
40%	73 cd
50%	91 cd
60%	109 cd
70%	128 cd
80%	146 cd

Conditions:

Number of c-planes: 2

Candela at center: 182 cd

ISO LUX DIAGRAM



3%	54,7m lx
5%	91,2m lx
10%	0,182 lx
30%	0,547 lx
50%	0,912 lx

Conditions:

Number of c-planes: 2

Lux at center: 1,82 lx

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



Total lumen output:

132 lm

Peak candela output:

335 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

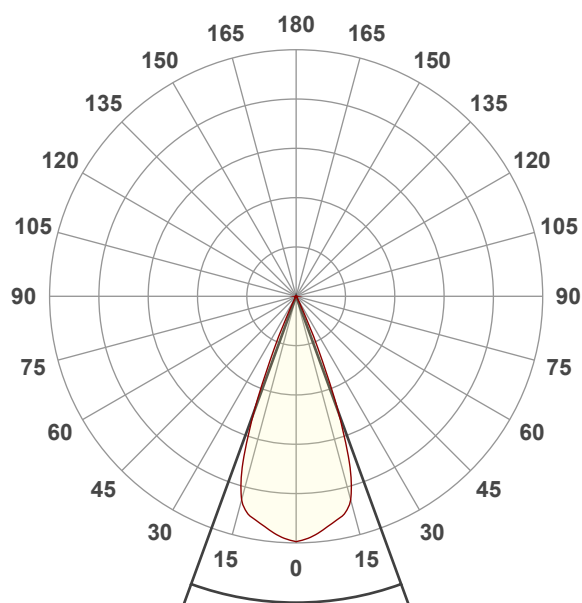
Cyan - HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 17:48:24

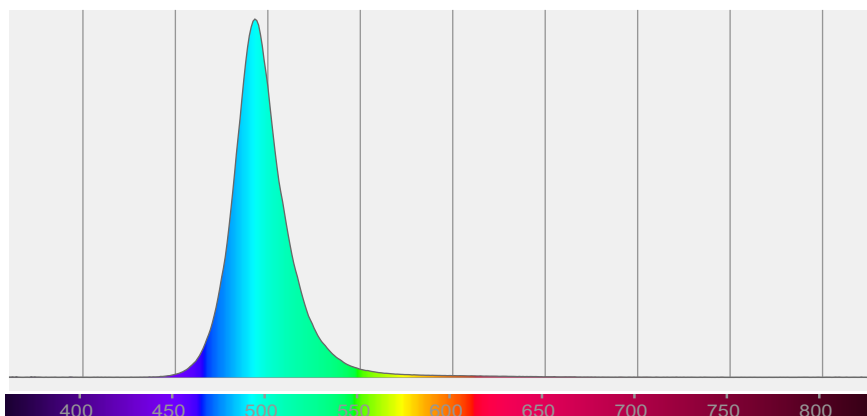


Beam angle 50%: 40,1°

Field angle 10%: 49,6°

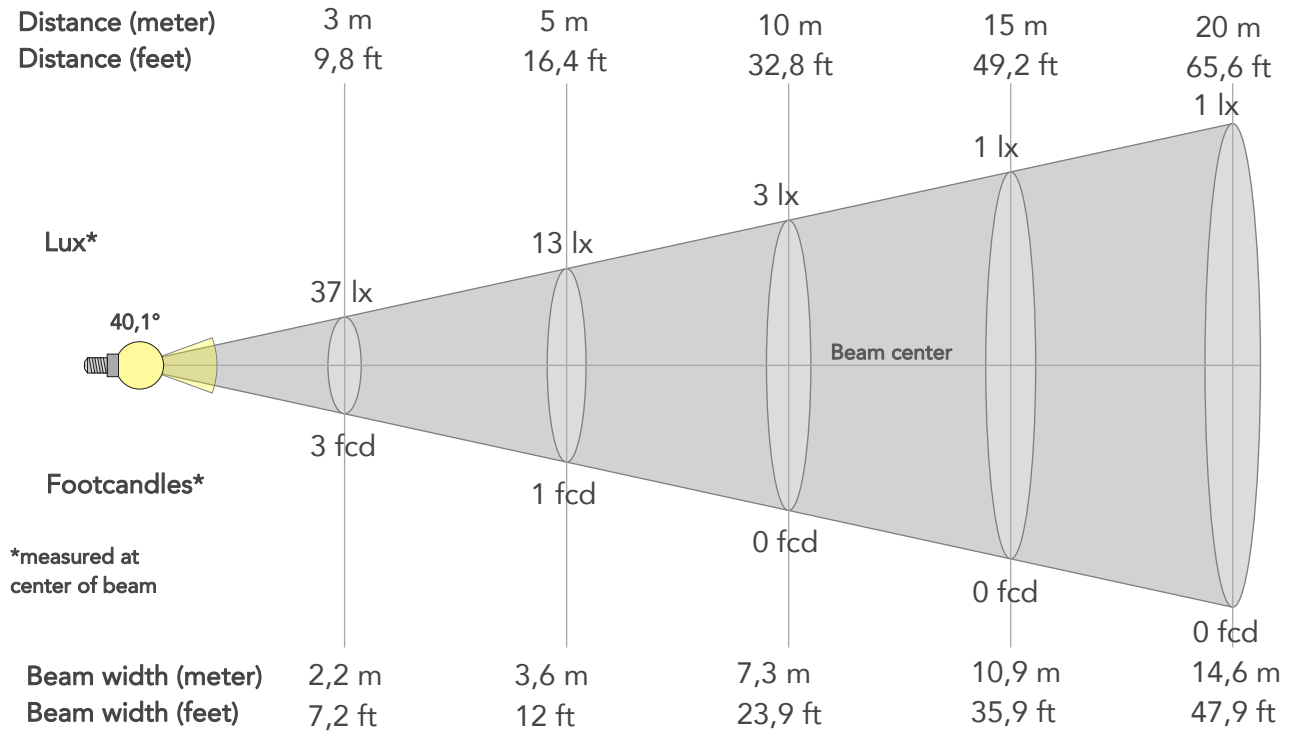
Cut off angle 2.5%: 54,8°

Spectra



BEAM DETAILS

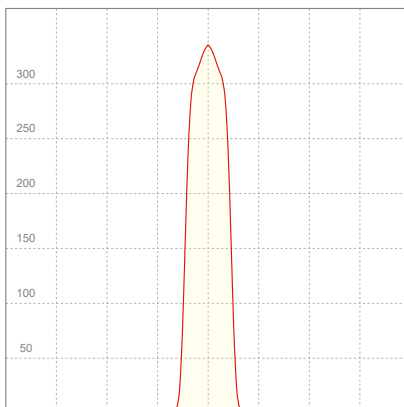
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40,1°	49,6°	54,8°	97,9%	96,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	335lx	84lx	37lx	21lx	13lx	6lx	3lx	1lx	1lx	1lx	0lx	0lx	0lx
Footcand.	31fcd	8fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,5m	2,2m	2,9m	3,6m	5,5m	7,3m	10,9m	14,6m	18,2m	21,9m	29,2m	36,5m
Beam wid.	2,4ft	4,8ft	7,2ft	9,6ft	12ft	18ft	23,9ft	35,9ft	47,9ft	59,8ft	71,8ft	95,7ft	119,7ft

LINEAR DISTRIBUTION DIAGRAM

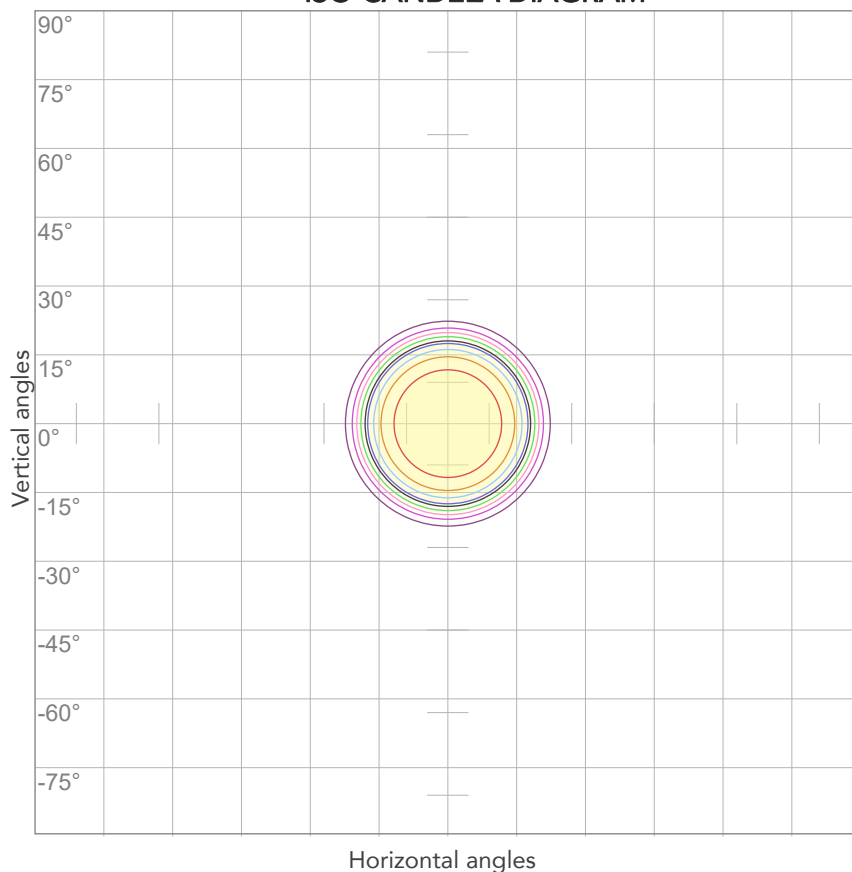


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,161A	18,5W	0,5	7lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



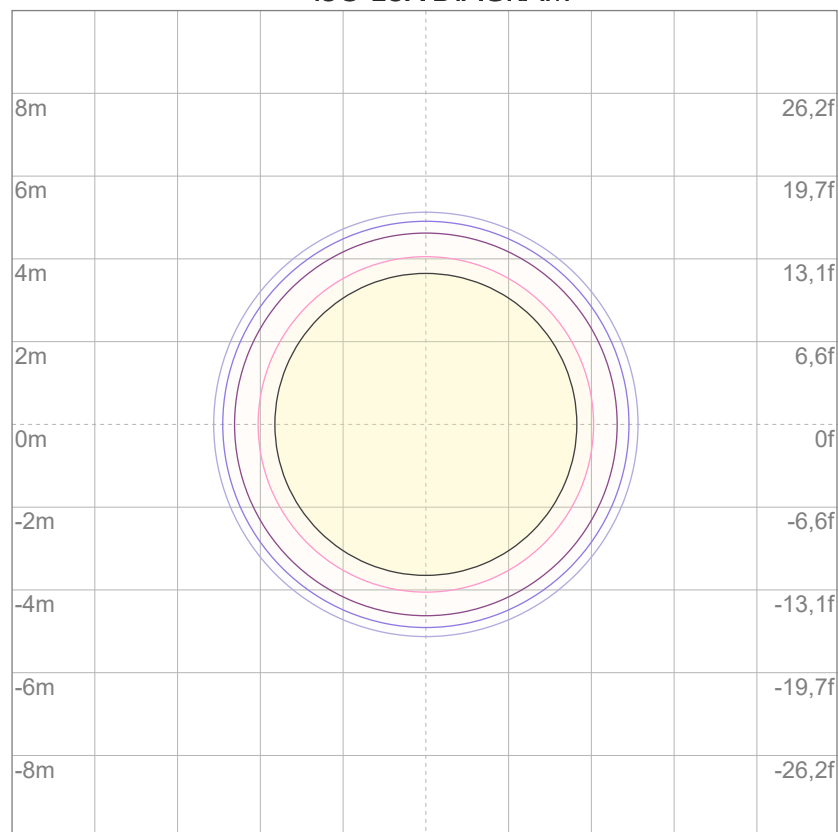
10%	34 cd
20%	67 cd
30%	101 cd
40%	134 cd
50%	168 cd
60%	201 cd
70%	235 cd
80%	268 cd

Conditions:

Number of c-planes: 2

Candela at center: 335 cd

ISO LUX DIAGRAM



3%	0,101 lx
5%	0,168 lx
10%	0,335 lx
30%	1,01 lx
50%	1,68 lx

Conditions:

Number of c-planes: 2

Lux at center: 3,35 lx

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



Total lumen output:

92,2 lm

Peak candela output:

823 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

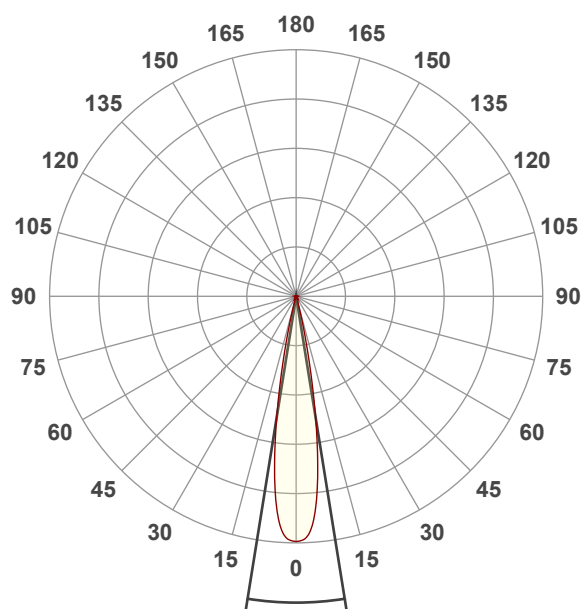
Cyan - HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 16:04:32

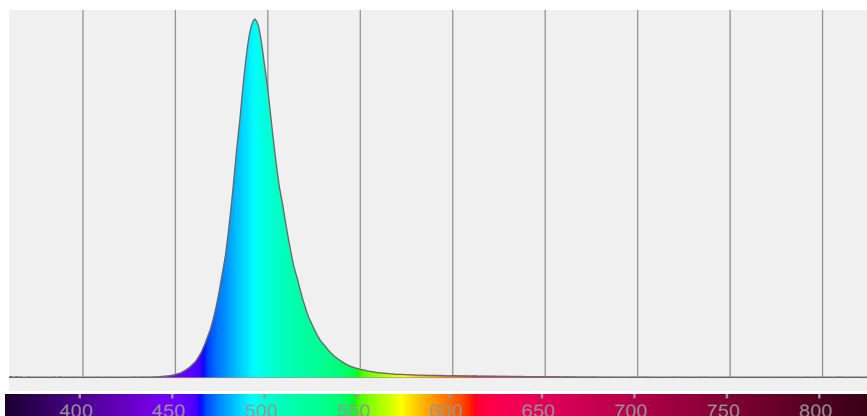


Beam angle 50%: 18,2°

Field angle 10%: 27,4°

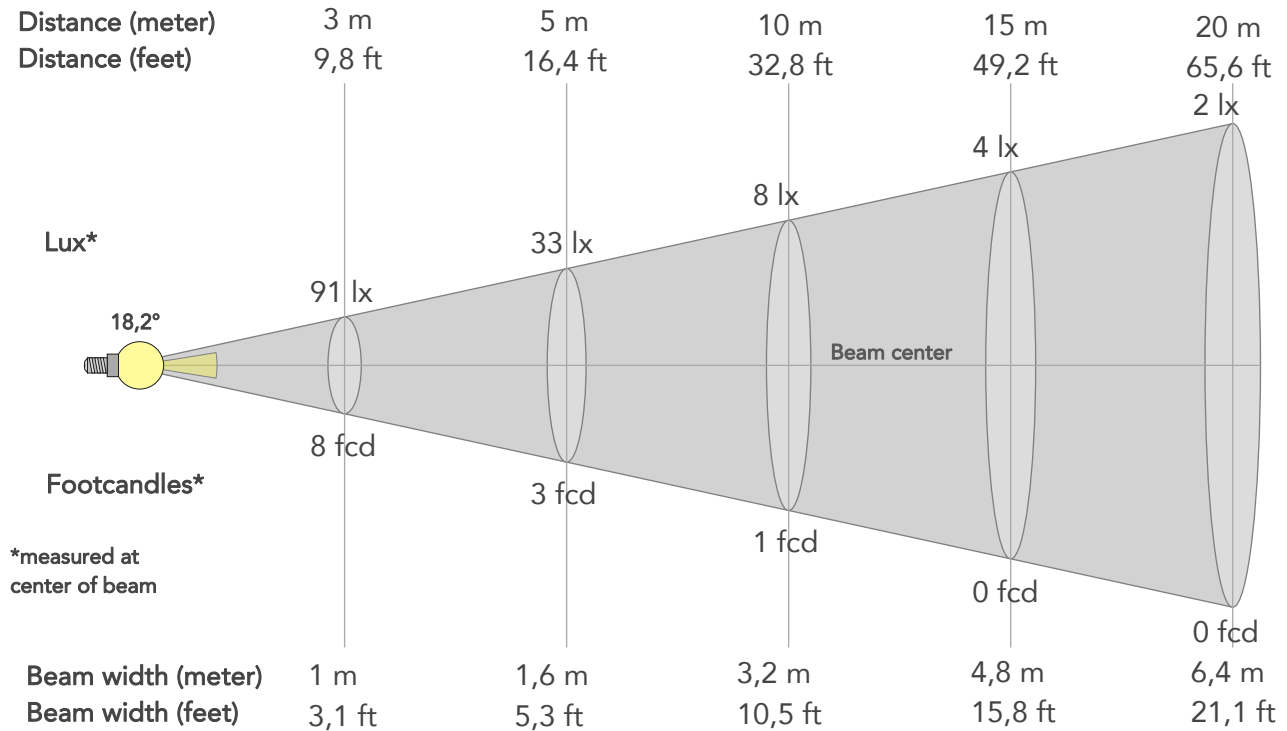
Cut off angle 2.5%: 32°

Spectra



BEAM DETAILS

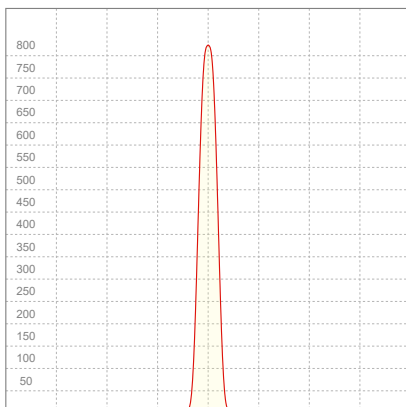
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,2°	27,4°	32°	96,7%	94,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	823lx	206lx	91lx	51lx	33lx	15lx	8lx	4lx	2lx	1lx	1lx	1lx	0lx
Footcand.	76fcd	19fcd	8fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	1m	1,3m	1,6m	2,4m	3,2m	4,8m	6,4m	8m	9,6m	12,8m	16,1m
Beam wid.	1,1ft	2,1ft	3,1ft	4,2ft	5,3ft	7,9ft	10,5ft	15,8ft	21,1ft	26,3ft	31,6ft	42,1ft	52,7ft

LINEAR DISTRIBUTION DIAGRAM

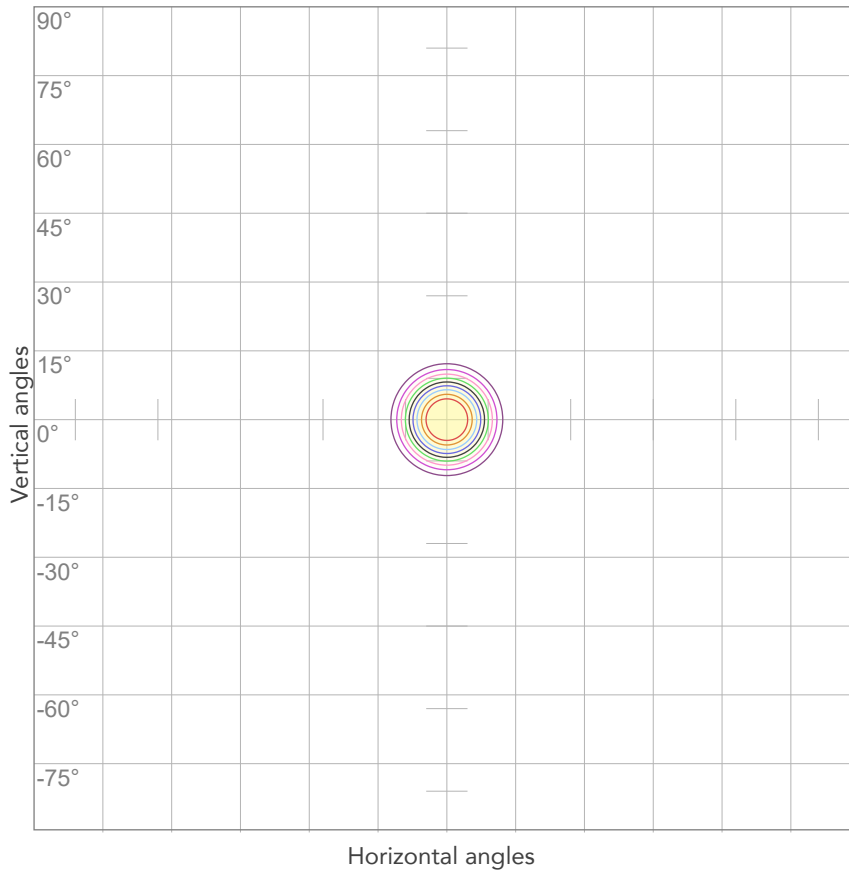


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,142A	15,4W	0,48	6lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



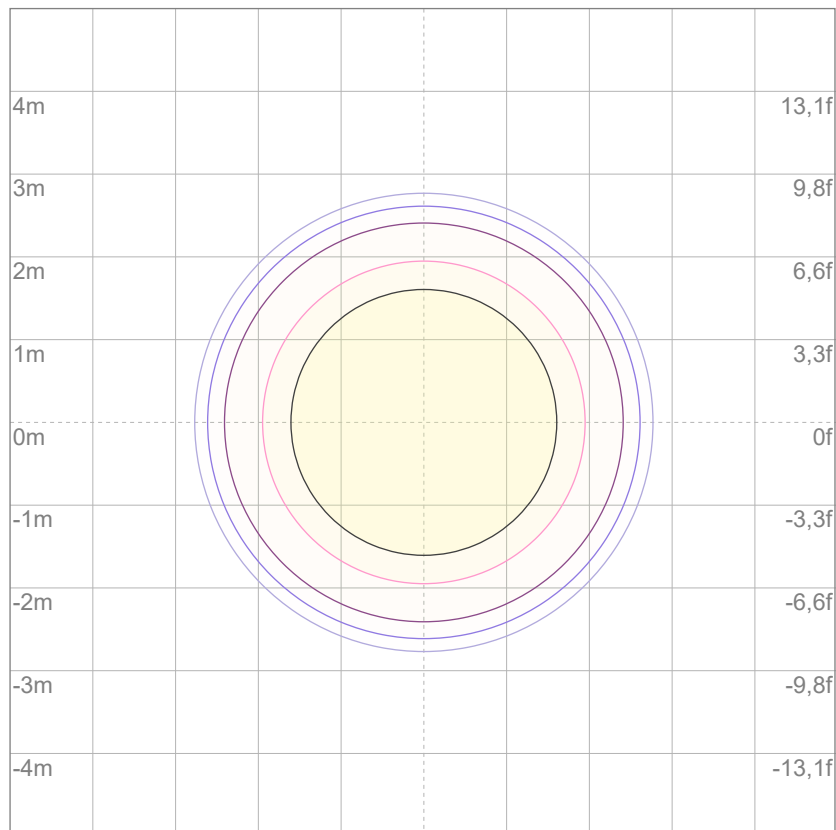
10%	82 cd
20%	165 cd
30%	247 cd
40%	329 cd
50%	412 cd
60%	494 cd
70%	576 cd
80%	659 cd

Conditions:

Number of c-planes: 2

Candela at center: 823 cd

ISO LUX DIAGRAM



3%	0,247 lx
5%	0,412 lx
10%	0,823 lx
30%	2,47 lx
50%	4,12 lx

Conditions:

Number of c-planes: 2

Lux at center: 8,23 lx

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



Total lumen output:

3059 lm

Peak candela output:

3497 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

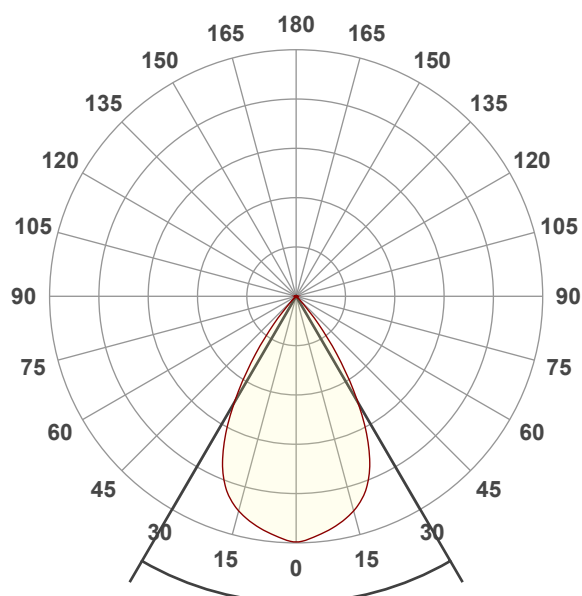
Mint - HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 15:53:32

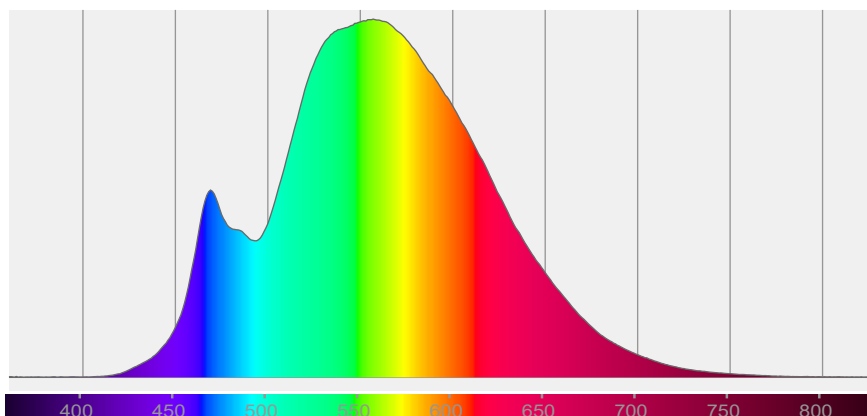


Beam angle 50%: 60,4°

Field angle 10%: 81,1°

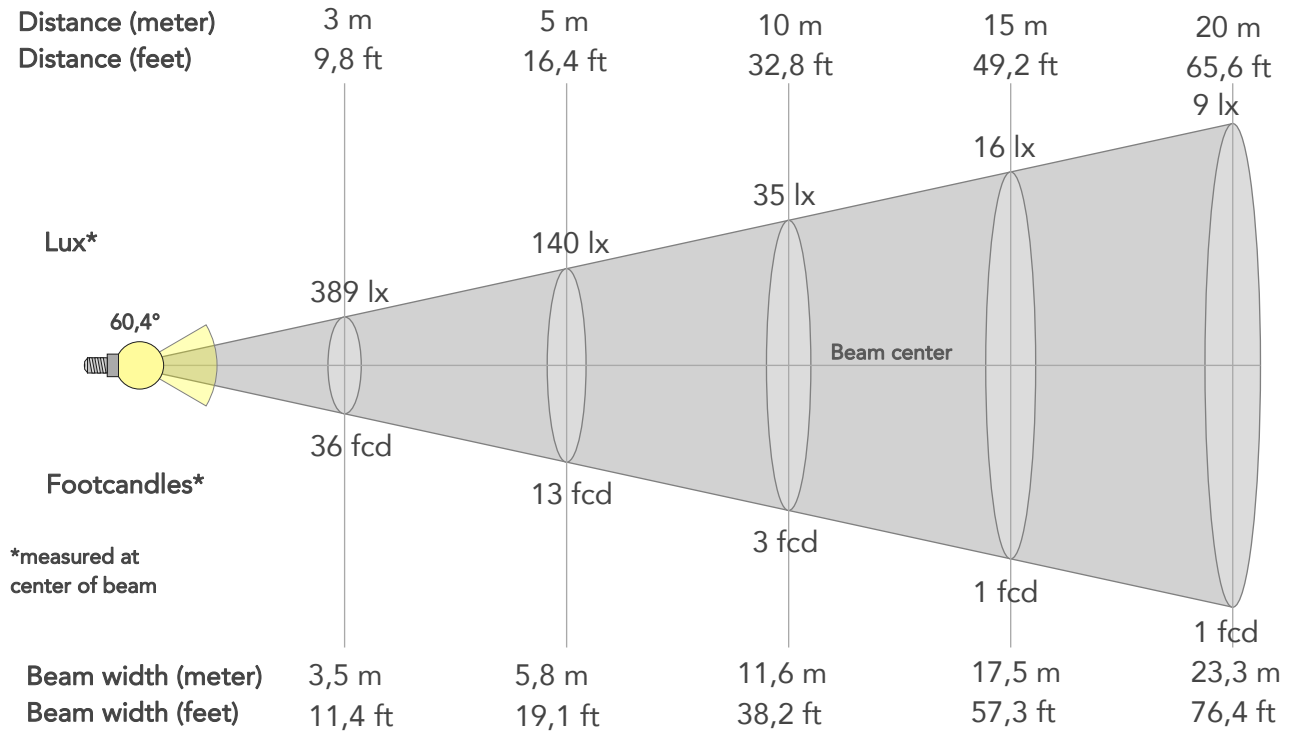
Cut off angle 2.5%: 89°

Spectra



BEAM DETAILS

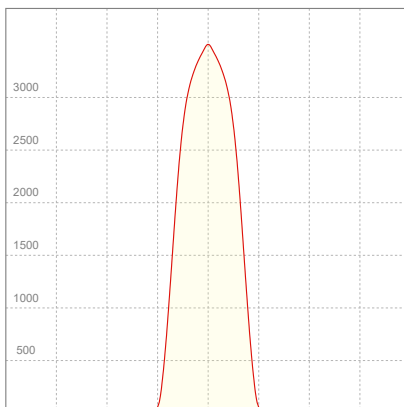
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
60,4°	81,1°	89°	99,4%	99,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3497lx	874lx	389lx	219lx	140lx	62lx	35lx	16lx	9lx	6lx	4lx	2lx	1lx
Footcand.	325fcd	81fcd	36fcd	20fcd	13fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	1,2m	2,3m	3,5m	4,7m	5,8m	8,7m	11,6m	17,5m	23,3m	29,1m	34,9m	46,6m	58,2m
Beam wid.	3,8ft	7,7ft	11,4ft	15,3ft	19,1ft	28,7ft	38,2ft	57,3ft	76,4ft	95,5ft	114,6ft	152,8ft	191ft

LINEAR DISTRIBUTION DIAGRAM

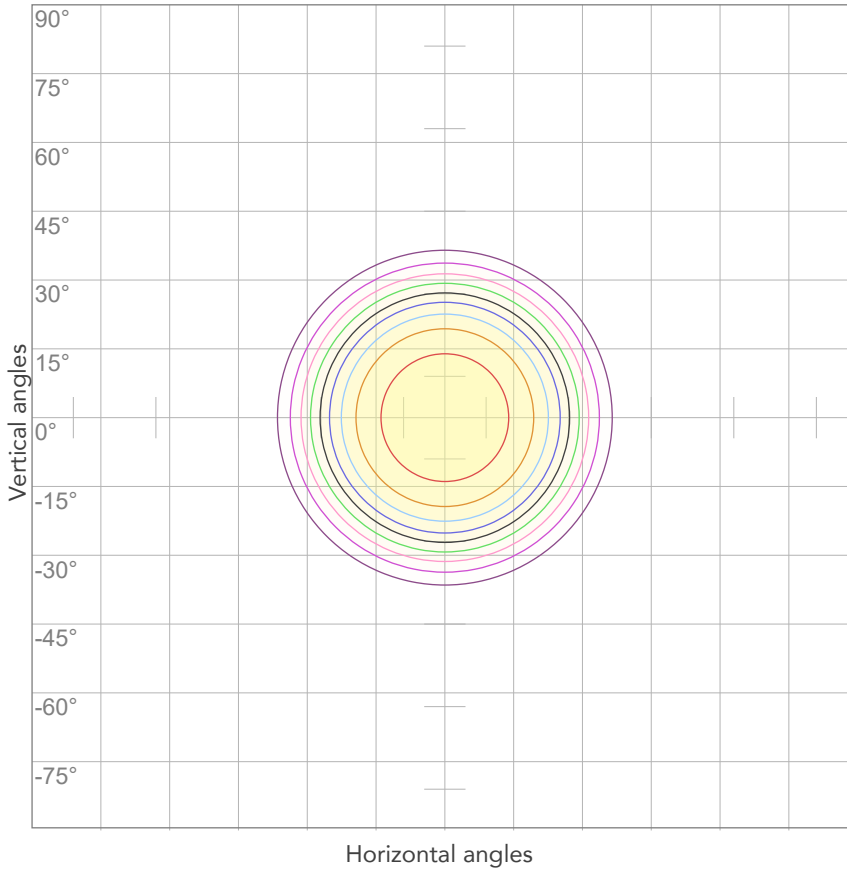


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,342A	74,5W	0,96	41lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



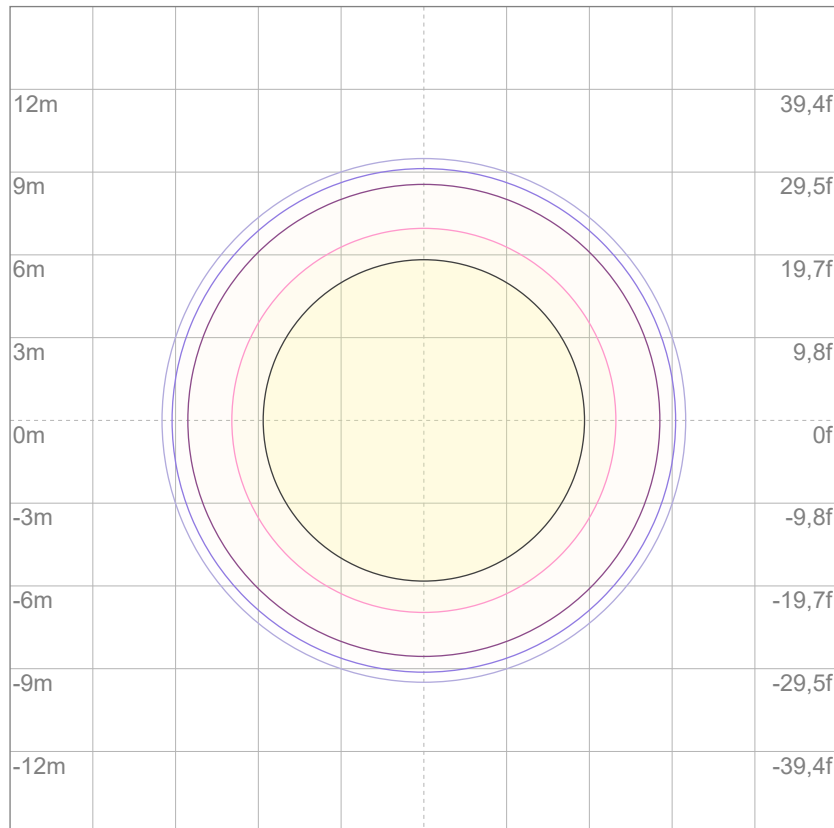
10%	350 cd
20%	699 cd
30%	1049 cd
40%	1399 cd
50%	1748 cd
60%	2098 cd
70%	2448 cd
80%	2797 cd

Conditions:

Number of c-planes: 2

Candela at center: 3497 cd

ISO LUX DIAGRAM



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

Conditions:

Number of c-planes: 2

Lux at center: 35,0 lx

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



Total lumen output:

2329 lm

Peak candela output:

6213 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

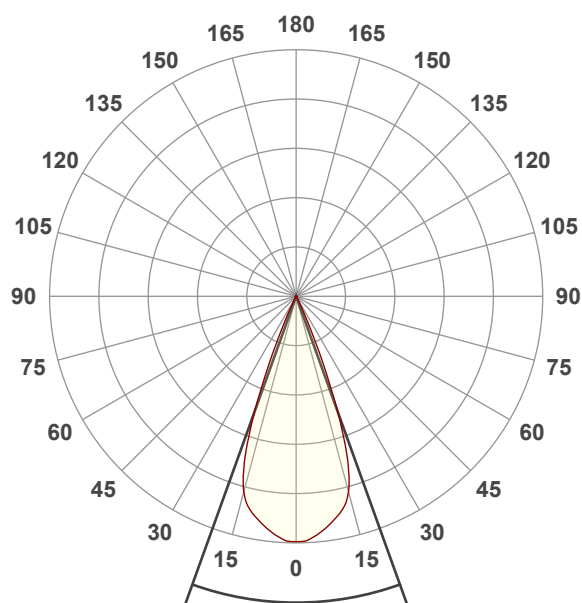
Mint - HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 17:50:01

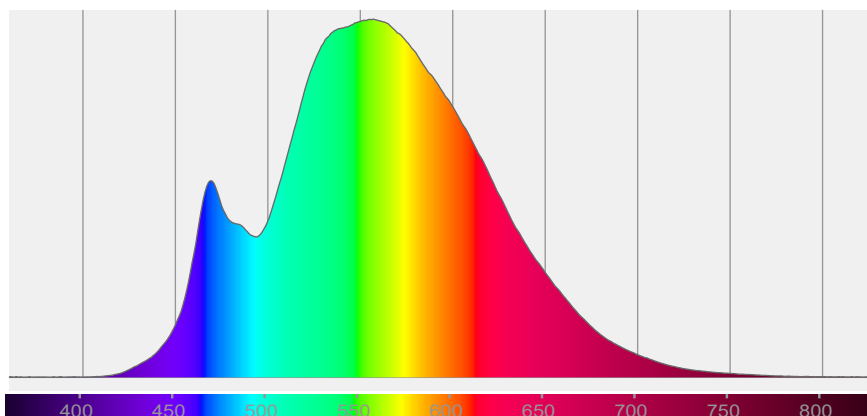


Beam angle 50%: 39,6°

Field angle 10%: 49,3°

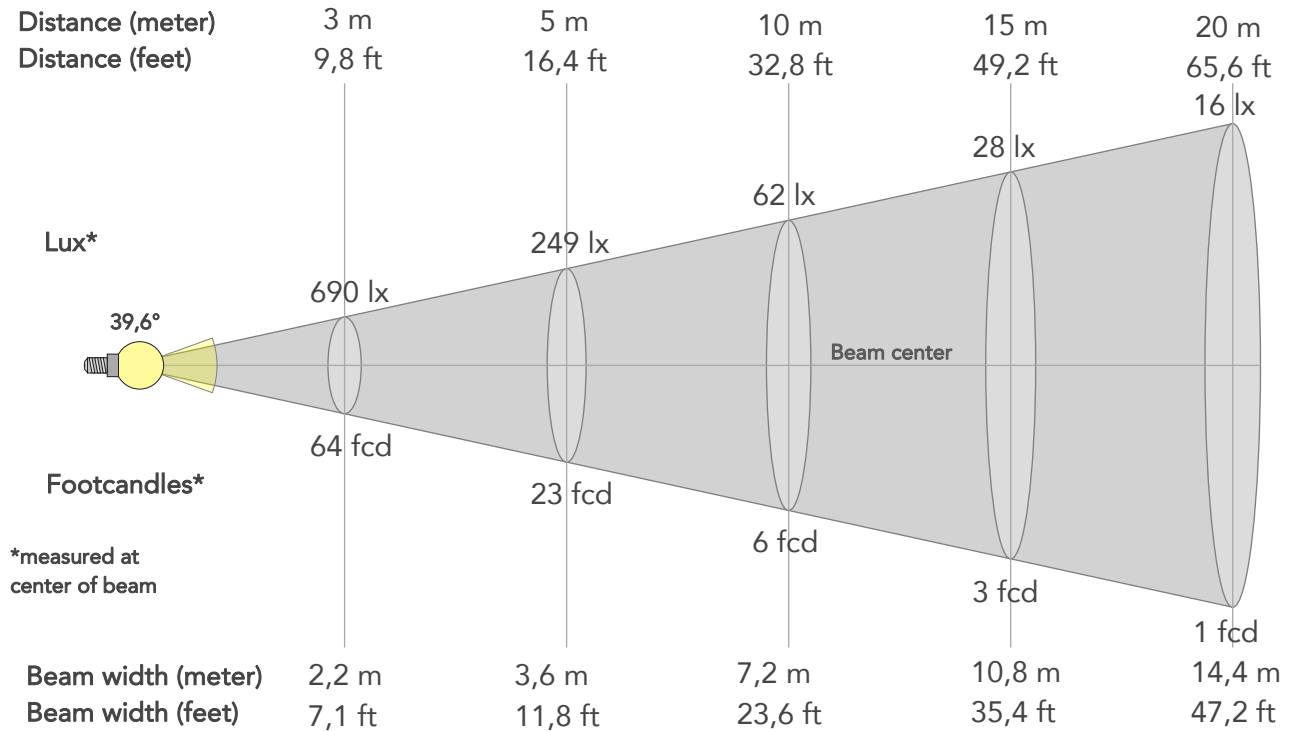
Cut off angle 2.5%: 54,4°

Spectra



BEAM DETAILS

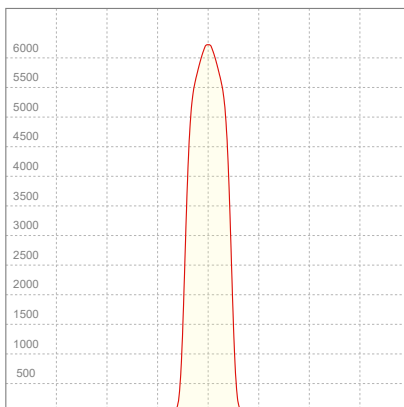
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,6°	49,3°	54,4°	99,1%	98,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6213lx	1553lx	690lx	388lx	249lx	110lx	62lx	28lx	16lx	10lx	7lx	4lx	2lx
Footcand.	577fcd	144fcd	64fcd	36fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,7m	1,4m	2,2m	2,9m	3,6m	5,4m	7,2m	10,8m	14,4m	18m	21,6m	28,8m	36m
Beam wid.	2,4ft	4,8ft	7,1ft	9,4ft	11,8ft	17,7ft	23,6ft	35,4ft	47,2ft	59,1ft	70,9ft	94,5ft	118,1ft

LINEAR DISTRIBUTION DIAGRAM

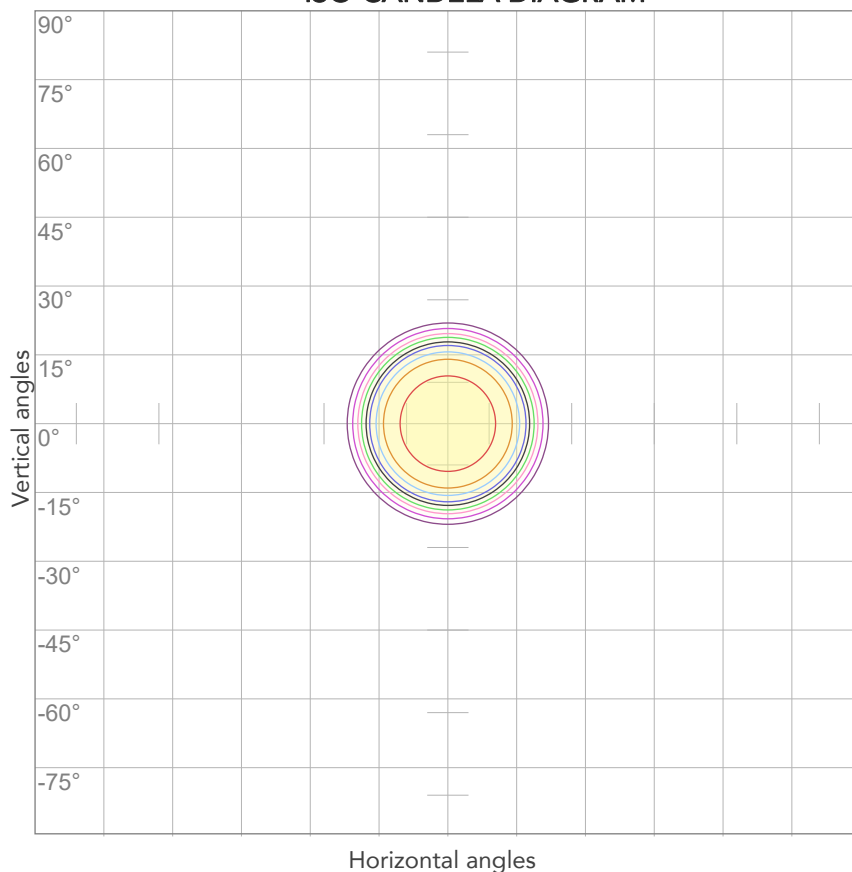


ELECTRICAL SPECIFICATIONS

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

ISO DIAGRAMS

ISO CANDELA DIAGRAM



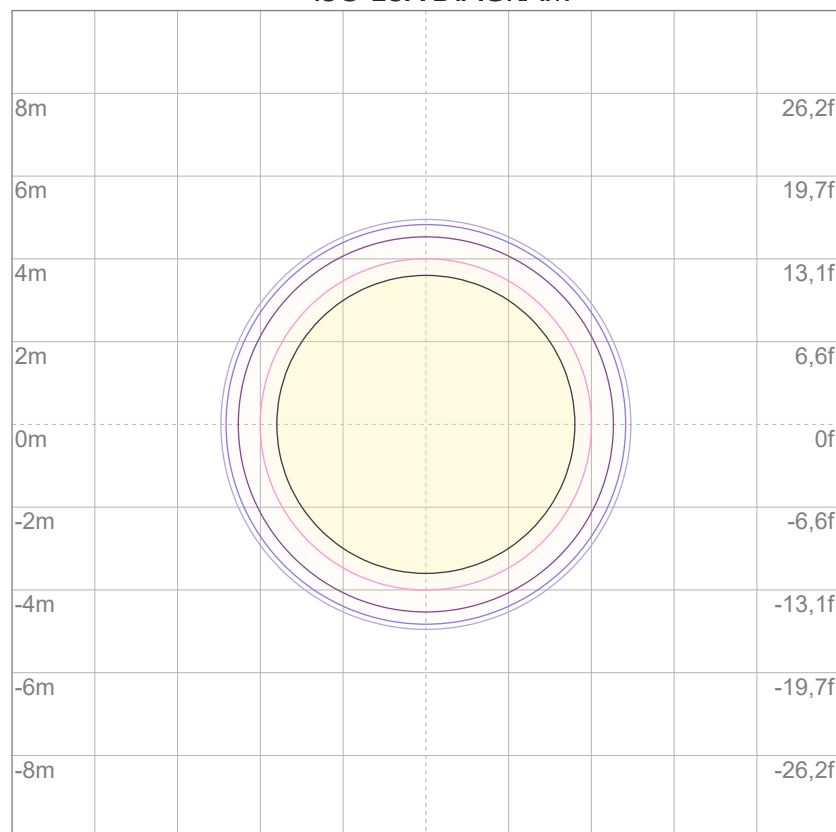
10%	621 cd
20%	1243 cd
30%	1864 cd
40%	2485 cd
50%	3107 cd
60%	3728 cd
70%	4349 cd
80%	4971 cd

Conditions:

Number of c-planes: 2

Candela at center: 6213 cd

ISO LUX DIAGRAM



3%	1,86 lx
5%	3,11 lx
10%	6,21 lx
30%	18,6 lx
50%	31,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 62,1 lx

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



Total lumen output:

1668 lm

Peak candela output:

15115 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

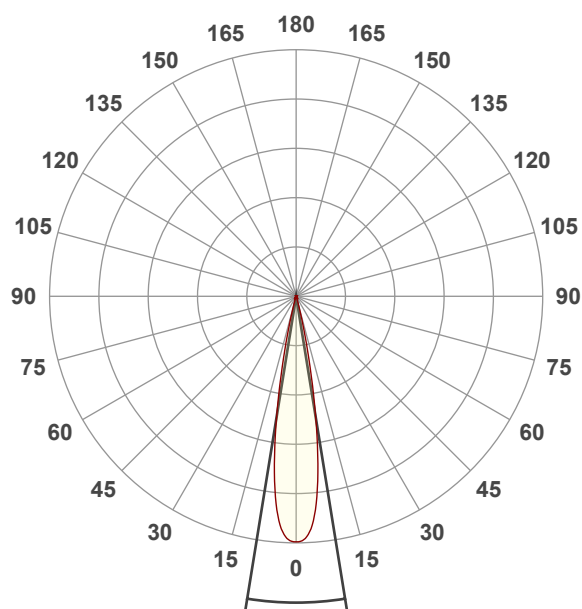
Mint - HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 16:05:54

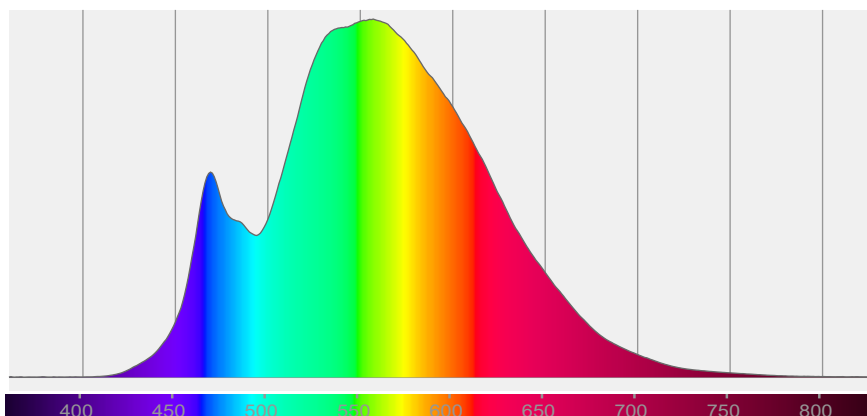


Beam angle 50%: 18,4°

Field angle 10%: 27,7°

Cut off angle 2.5%: 32,3°

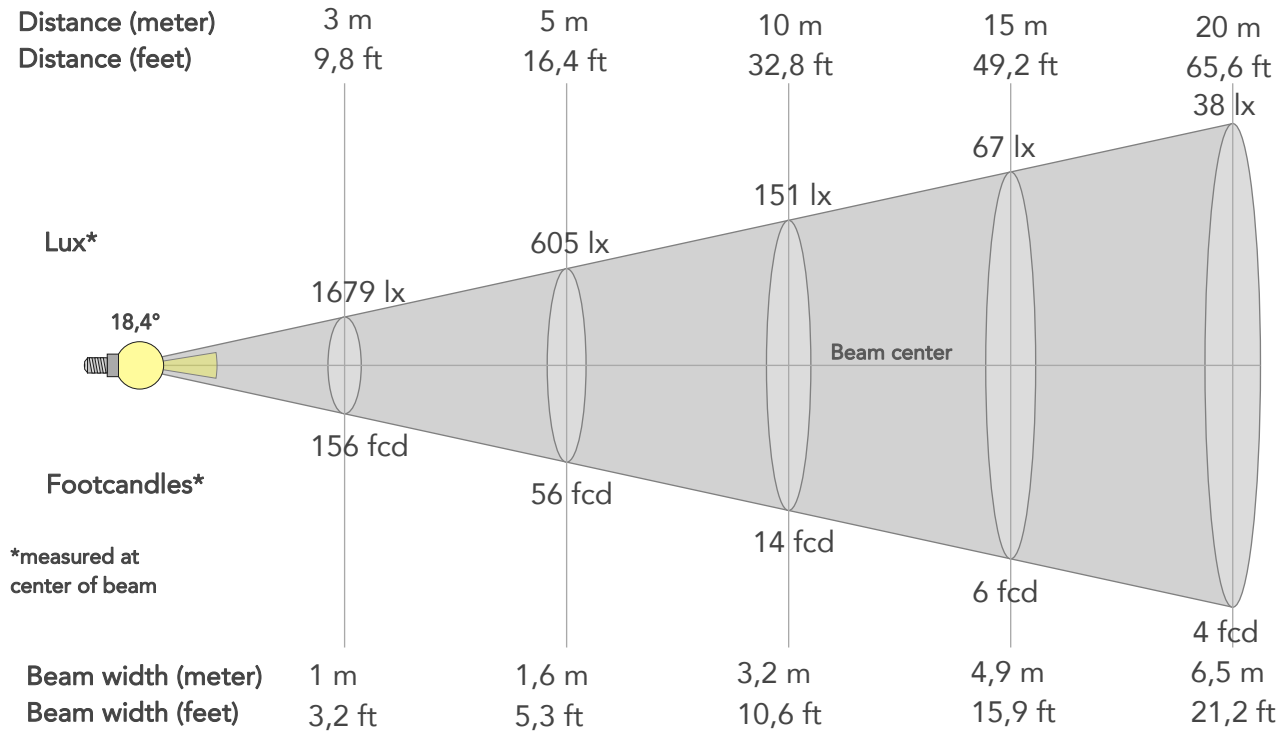
Spectra



BEAM DETAILS



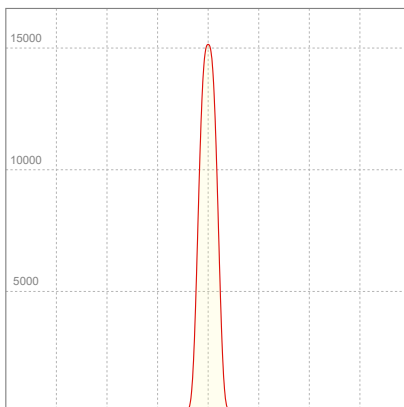
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,4°	27,7°	32,3°	98,7%	96,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	15115lx	3779lx	1679lx	945lx	605lx	269lx	151lx	67lx	38lx	24lx	17lx	9lx	6lx
Footcand.	1404fcd	351fcd	156fcd	88fcd	56fcd	25fcd	14fcd	6fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,3m	0,6m	1m	1,3m	1,6m	2,4m	3,2m	4,9m	6,5m	8,1m	9,7m	12,9m	16,2m
Beam wid.	1,1ft	2,1ft	3,2ft	4,2ft	5,3ft	8ft	10,6ft	15,9ft	21,2ft	26,5ft	31,9ft	42,5ft	53,1ft

LINEAR DISTRIBUTION DIAGRAM

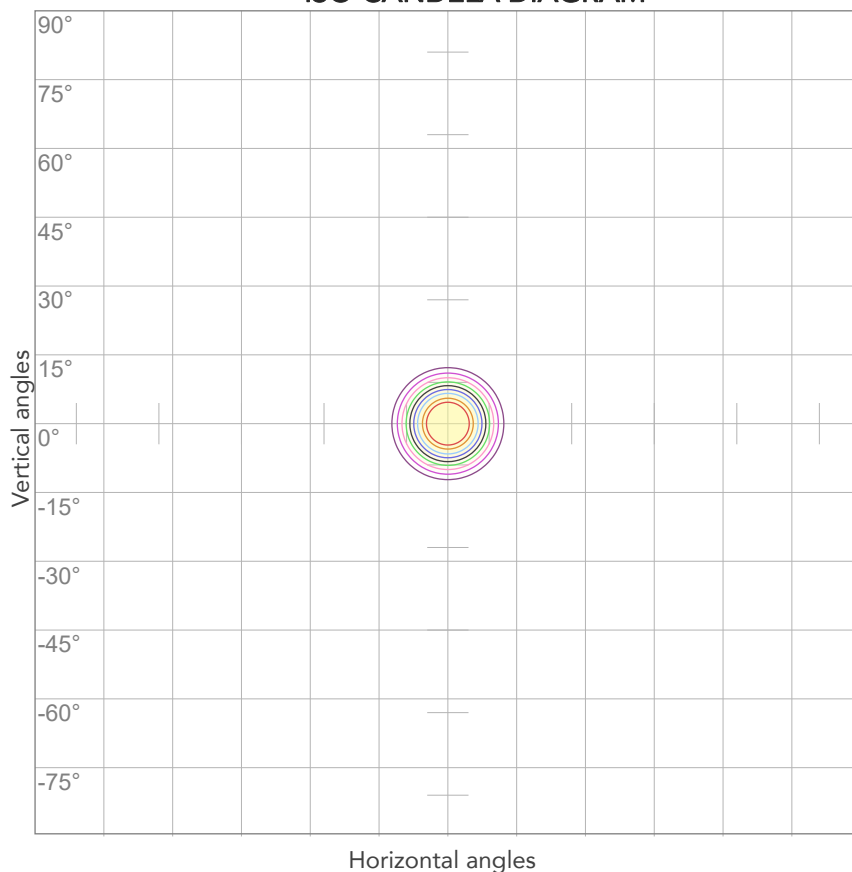


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,343A	74,5W	0,96	22lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



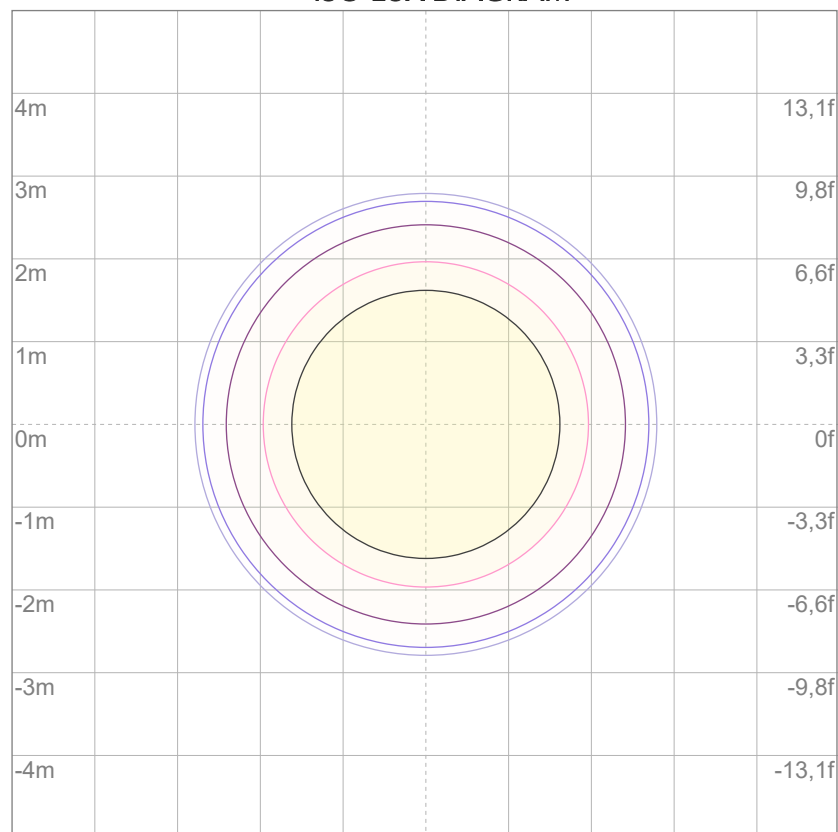
10%	1512 cd
20%	3023 cd
30%	4535 cd
40%	6046 cd
50%	7558 cd
60%	9069 cd
70%	10581 cd
80%	12092 cd

Conditions:

Number of c-planes: 2

Candela at center: 15115 cd

ISO LUX DIAGRAM



3%	4,53 lx
5%	7,56 lx
10%	15,1 lx
30%	45,3 lx
50%	75,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 151 lx

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



Total lumen output:

1891 lm

Peak candela output:

2143 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

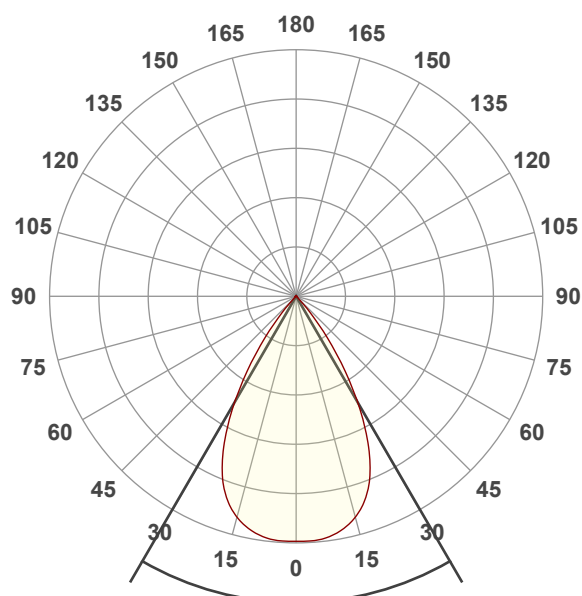
Amber - HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 15:55:03

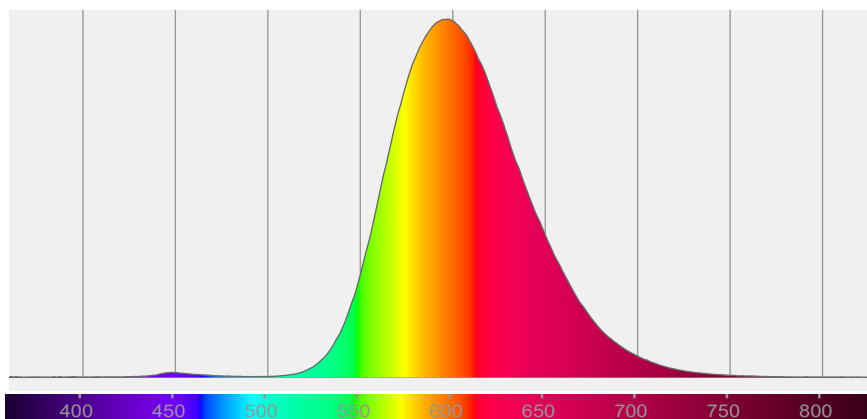


Beam angle 50%: 60,3°

Field angle 10%: 80,7°

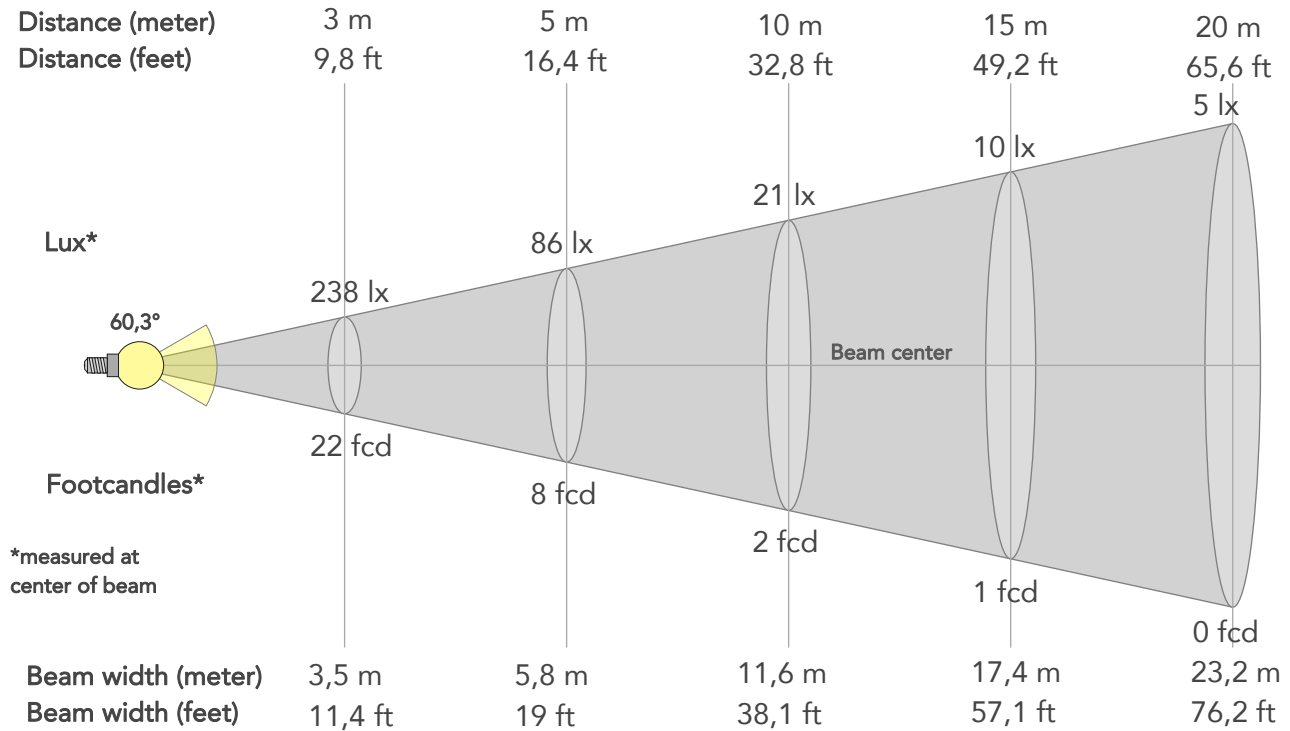
Cut off angle 2.5%: 88,2°

Spectra



BEAM DETAILS

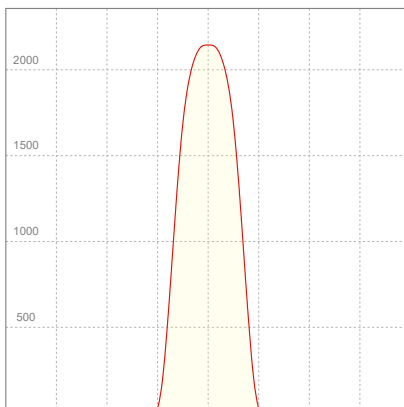
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
60,3°	80,7°	88,2°	99,3%	98,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2143lx	536lx	238lx	134lx	86lx	38lx	21lx	10lx	5lx	3lx	2lx	1lx	1lx
Footcand.	199fcd	50fcd	22fcd	12fcd	8fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,2m	2,3m	3,5m	4,6m	5,8m	8,7m	11,6m	17,4m	23,2m	29m	34,8m	46,4m	58,1m
Beam wid.	3,8ft	7,7ft	11,4ft	15,2ft	19ft	28,6ft	38,1ft	57,1ft	76,2ft	95,2ft	114,2ft	152,3ft	190,4ft

LINEAR DISTRIBUTION DIAGRAM

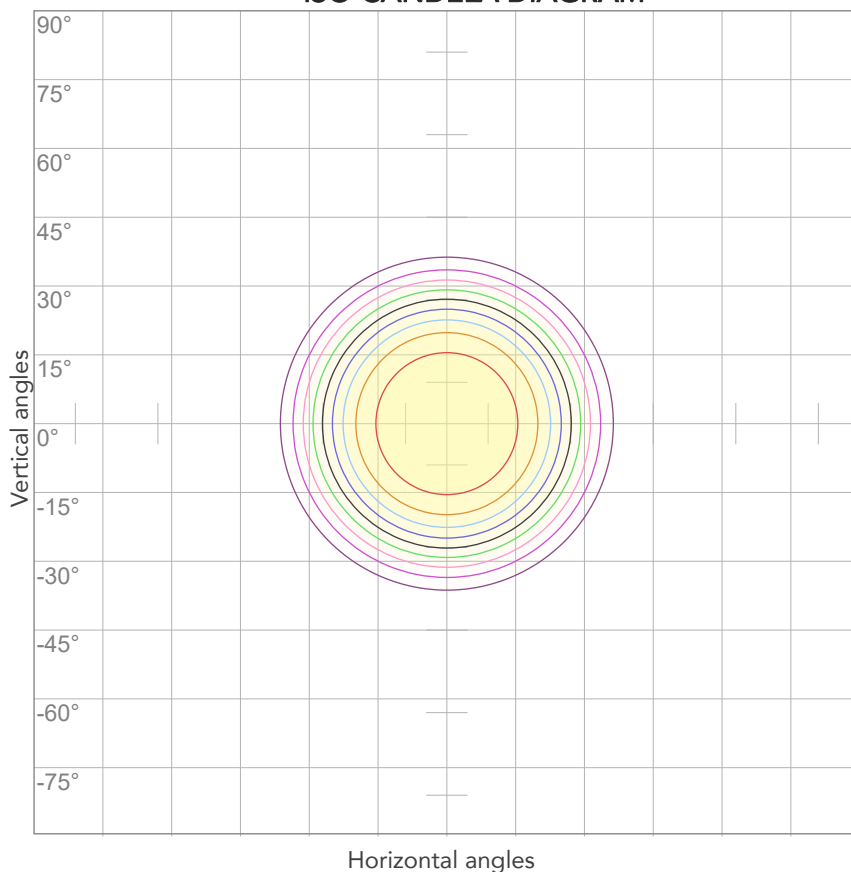


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,357A	78,0W	0,96	24lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



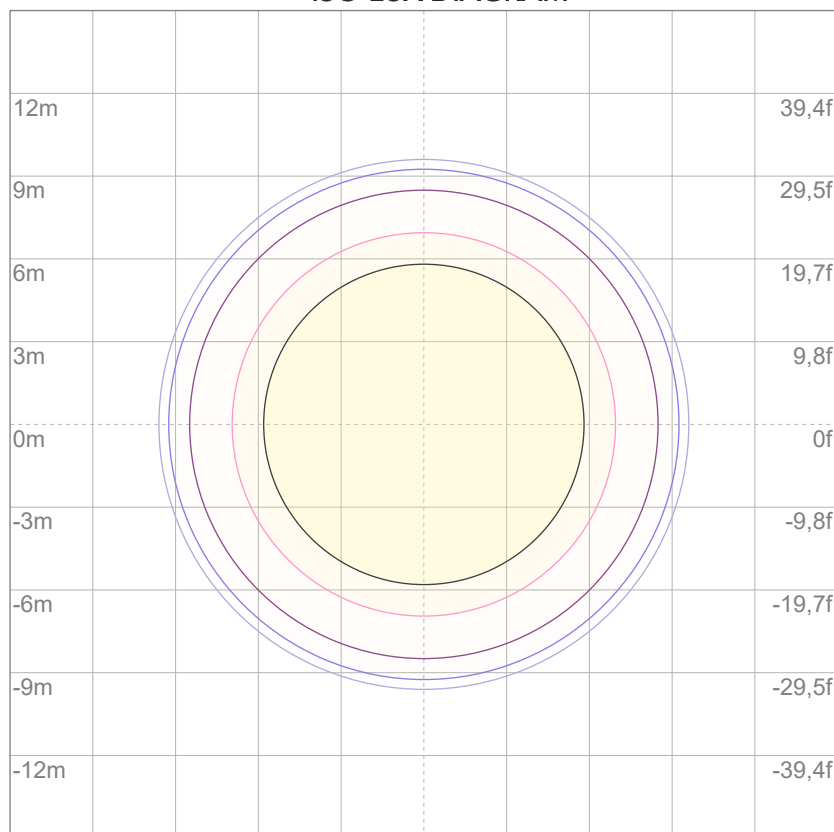
10%	214 cd
20%	429 cd
30%	643 cd
40%	857 cd
50%	1072 cd
60%	1286 cd
70%	1500 cd
80%	1715 cd

Conditions:

Number of c-planes: 2

Candela at center: 2143 cd

ISO LUX DIAGRAM



3%	0,643 lx
5%	1,07 lx
10%	2,14 lx
30%	6,43 lx
50%	10,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 21,4 lx

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



Total lumen output:

1450 lm

Peak candela output:

3821 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

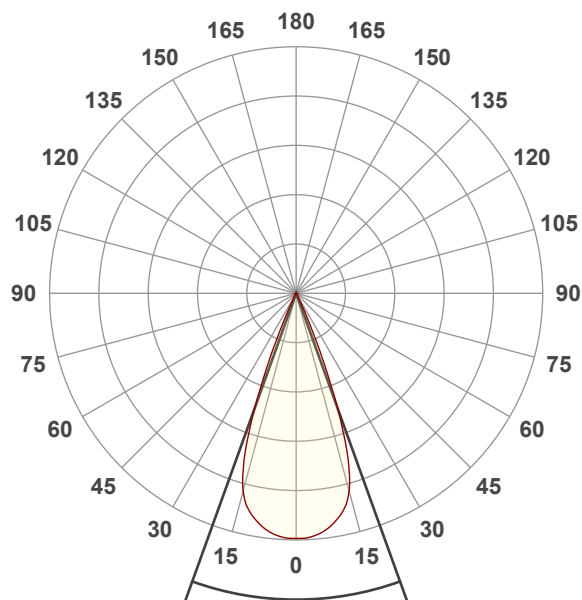
Amber - HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 17:51:20

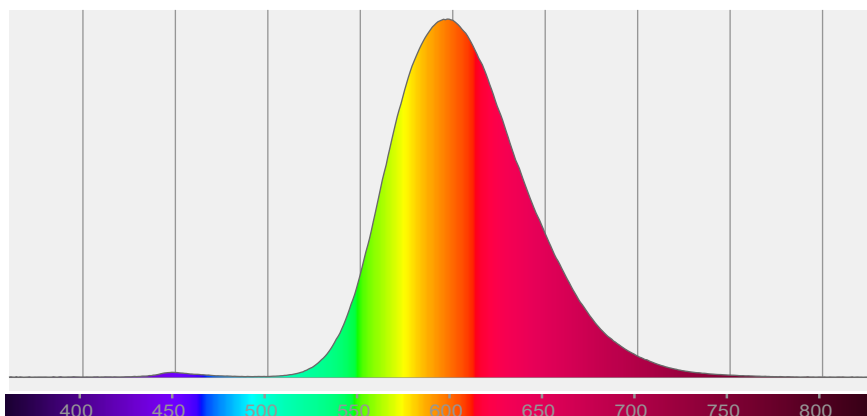


Beam angle 50%: 39,6°

Field angle 10%: 49,3°

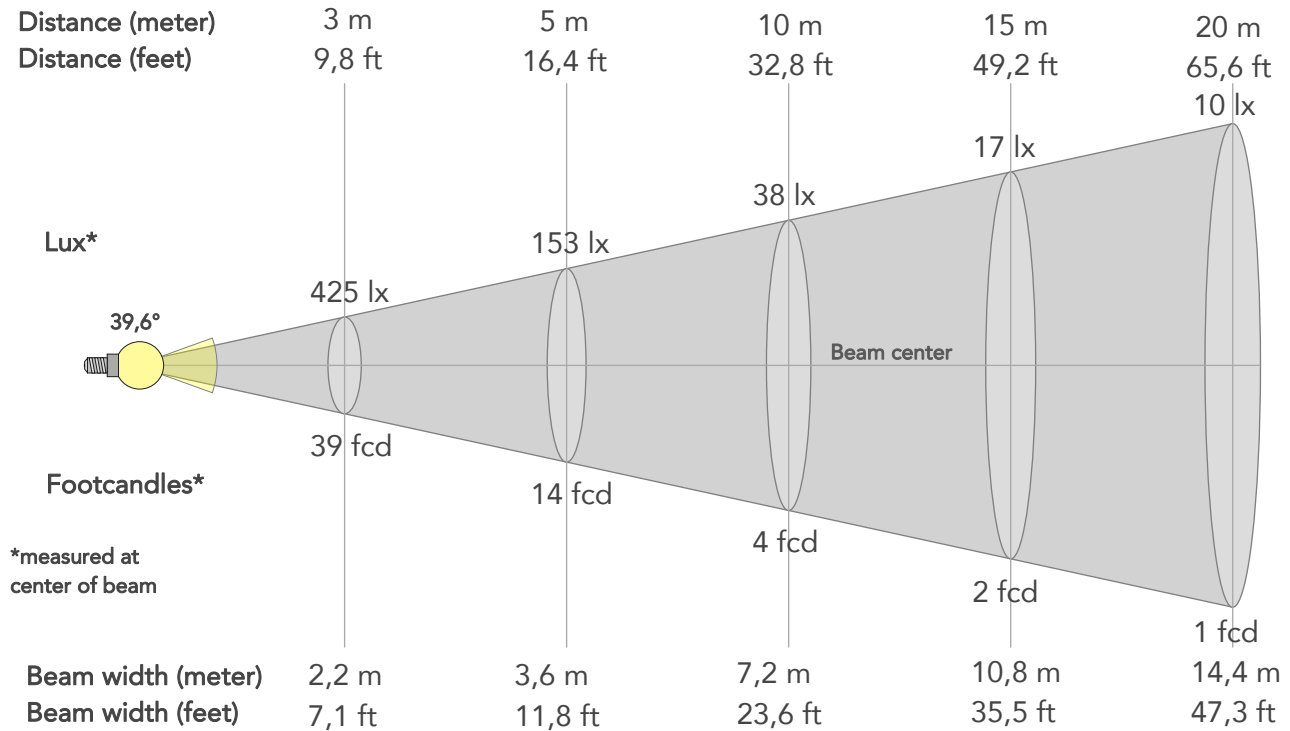
Cut off angle 2.5%: 54,4°

Spectra



BEAM DETAILS

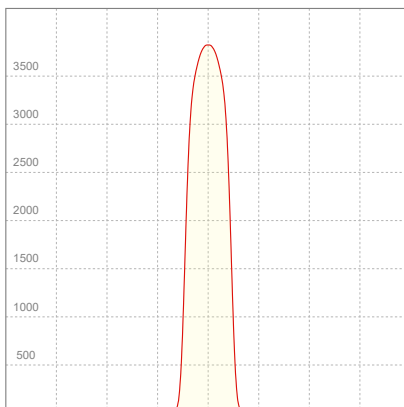
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,6°	49,3°	54,4°	99,0%	98,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3821lx	955lx	425lx	239lx	153lx	68lx	38lx	17lx	10lx	6lx	4lx	2lx	2lx
Footcand.	355fcd	89fcd	39fcd	22fcd	14fcd	6fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,4m	2,2m	2,9m	3,6m	5,4m	7,2m	10,8m	14,4m	18m	21,6m	28,8m	36,1m
Beam wid.	2,4ft	4,8ft	7,1ft	9,4ft	11,8ft	17,7ft	23,6ft	35,5ft	47,3ft	59,1ft	70,9ft	94,6ft	118,2ft

LINEAR DISTRIBUTION DIAGRAM

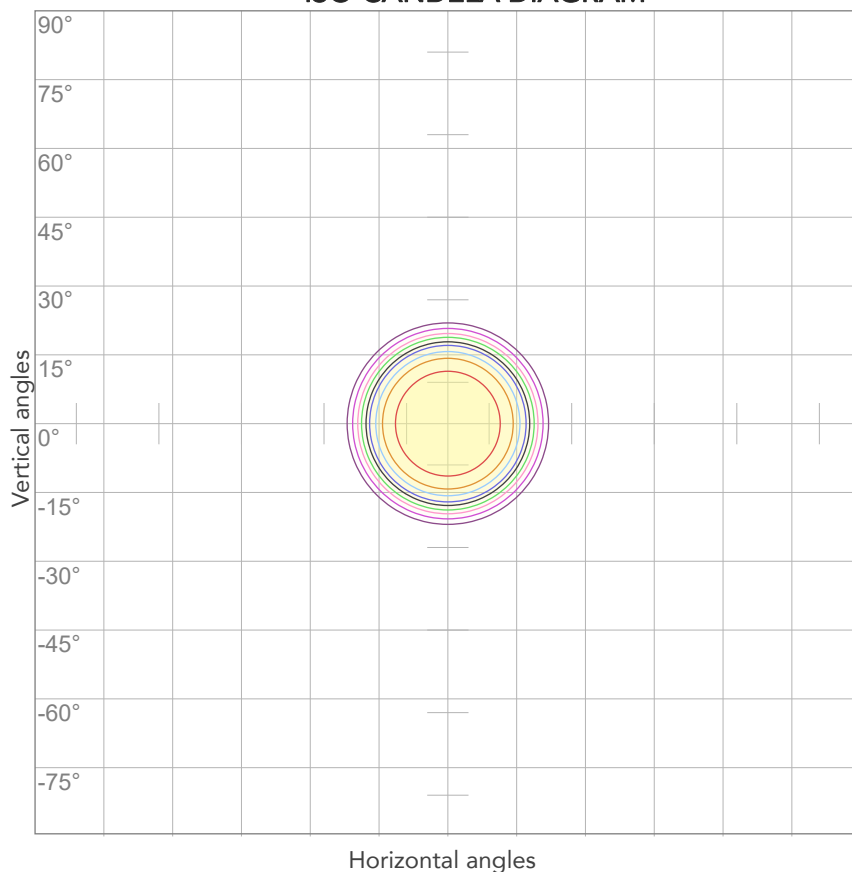


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,362A	78,0W	0,95	19lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



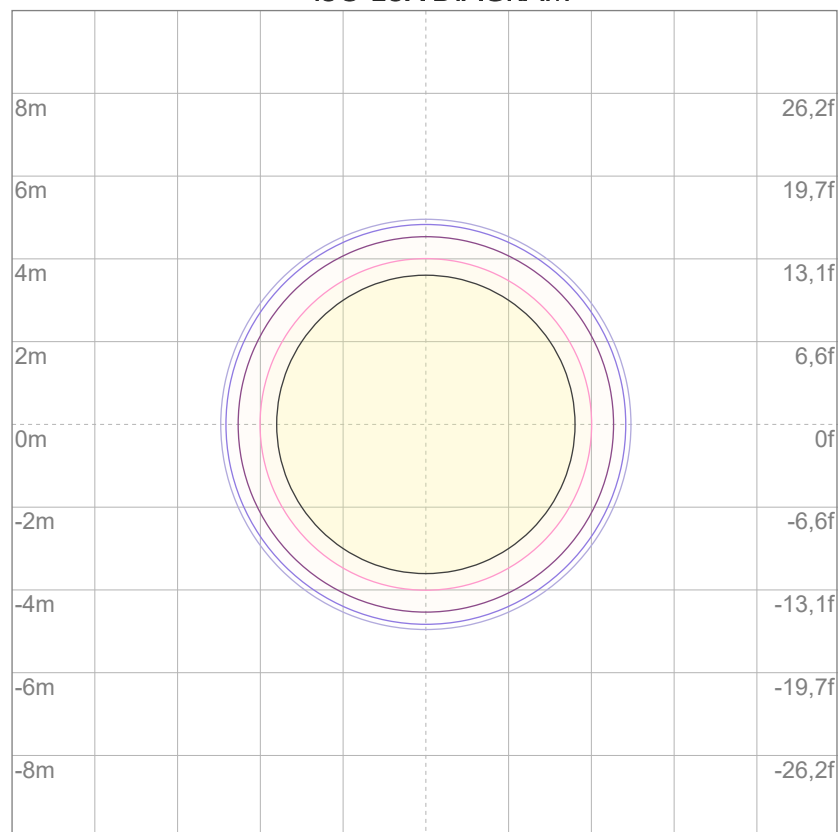
10%	382 cd
20%	764 cd
30%	1146 cd
40%	1528 cd
50%	1910 cd
60%	2292 cd
70%	2675 cd
80%	3057 cd

Conditions:

Number of c-planes: 2

Candela at center: 3821 cd

ISO LUX DIAGRAM



3%	1,15 lx
5%	1,91 lx
10%	3,82 lx
30%	11,5 lx
50%	19,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 38,2 lx

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



Total lumen output:

1040 lm

Peak candela output:

9282 cd

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

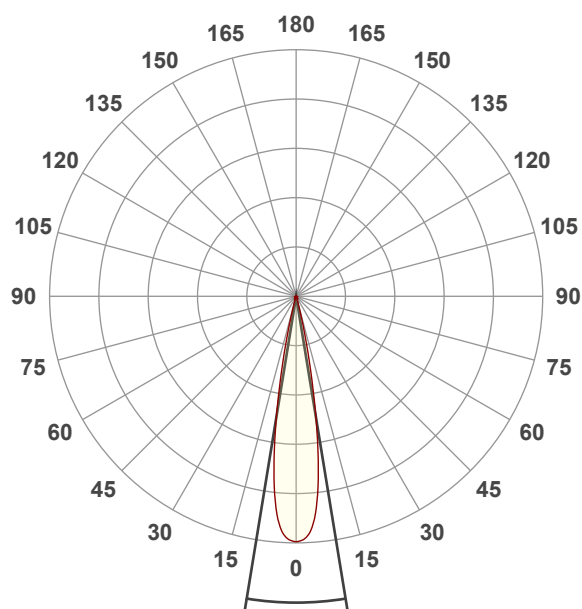
Amber - HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 16:08:25

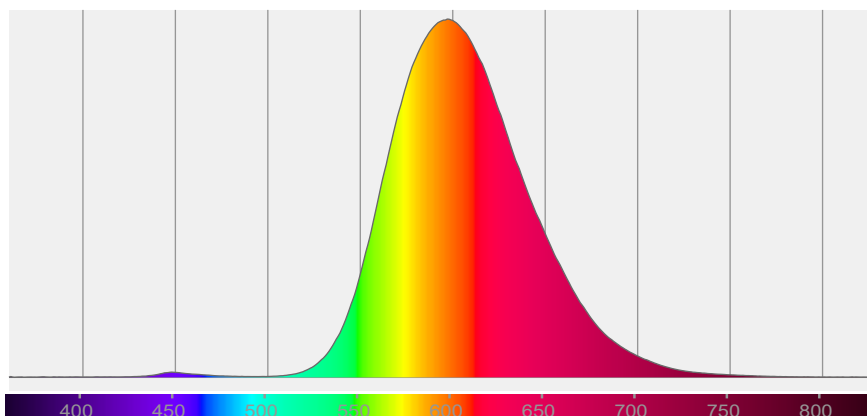


Beam angle 50%: 18,6°

Field angle 10%: 27,7°

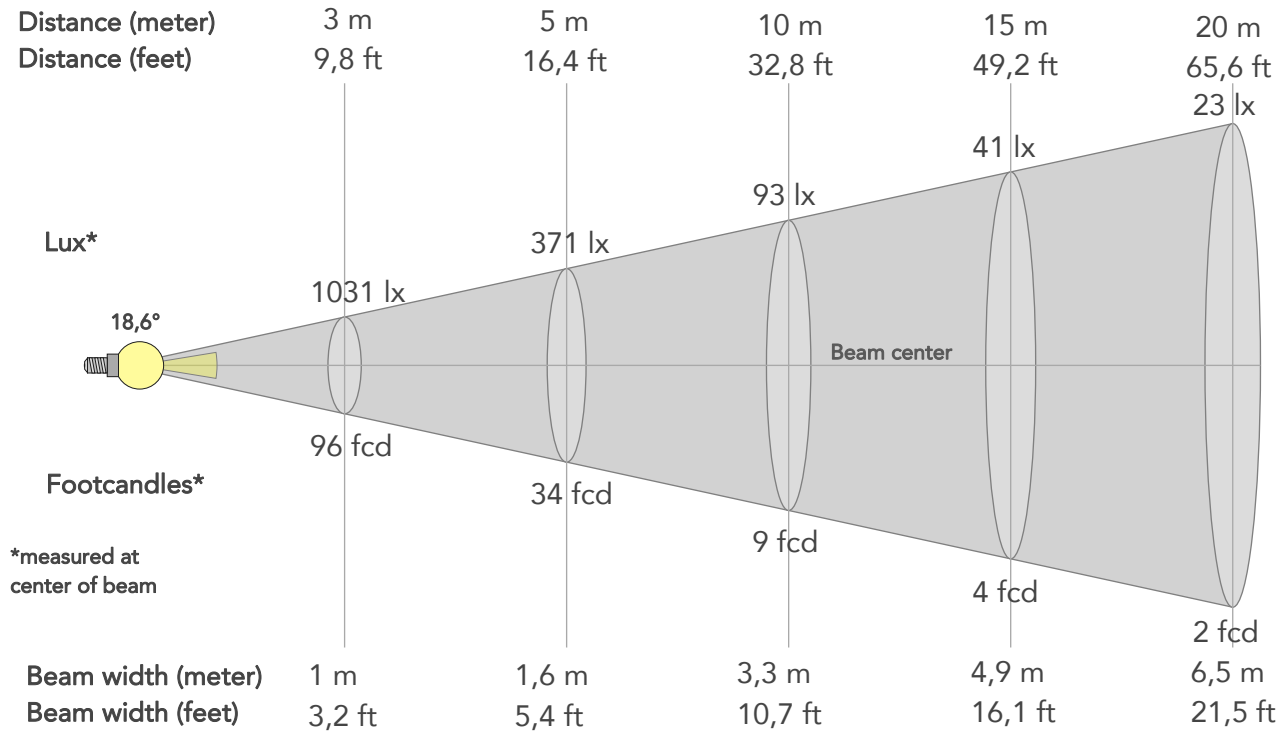
Cut off angle 2.5%: 32,6°

Spectra



BEAM DETAILS

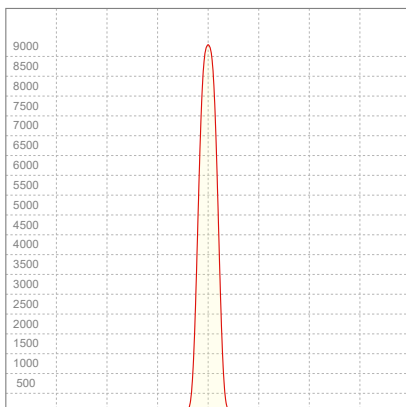
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,6°	27,7°	32,6°	98,7%	96,8%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	9282lx	2321lx	1031lx	580lx	371lx	165lx	93lx	41lx	23lx	15lx	10lx	6lx	4lx
Footcand.	862fcd	216fcd	96fcd	54fcd	34fcd	15fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,6m	2,5m	3,3m	4,9m	6,5m	8,2m	9,8m	13,1m	16,4m
Beam wid.	1,1ft	2,2ft	3,2ft	4,3ft	5,4ft	8ft	10,7ft	16,1ft	21,5ft	26,8ft	32,2ft	42,9ft	53,6ft

LINEAR DISTRIBUTION DIAGRAM

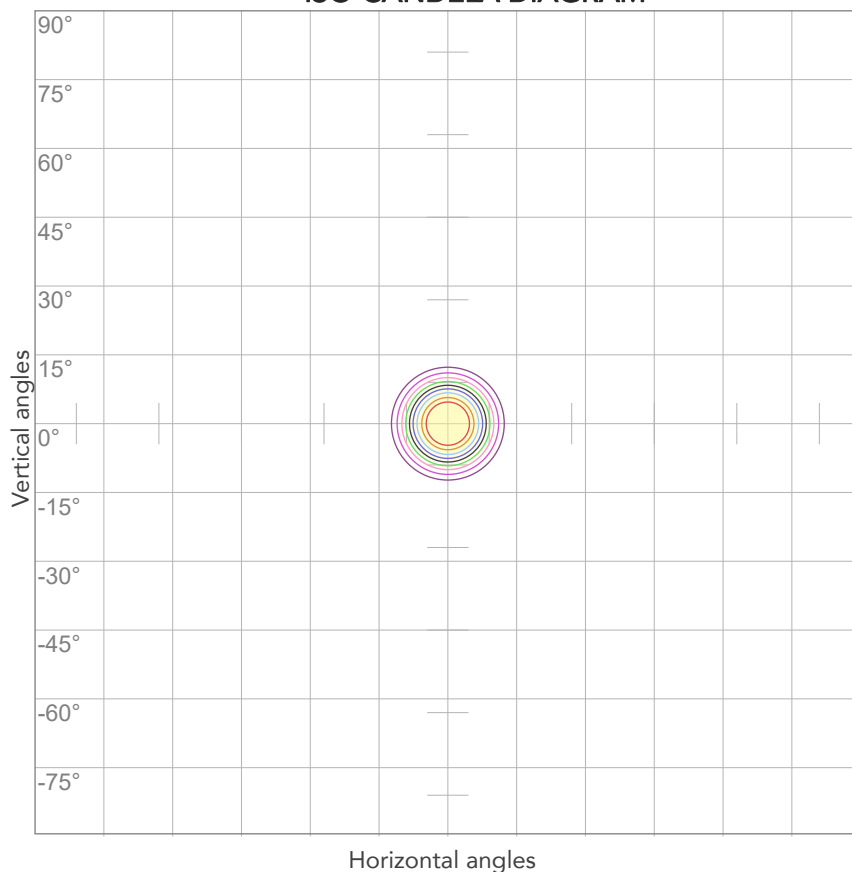


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,359A	78,0W	0,96	13lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



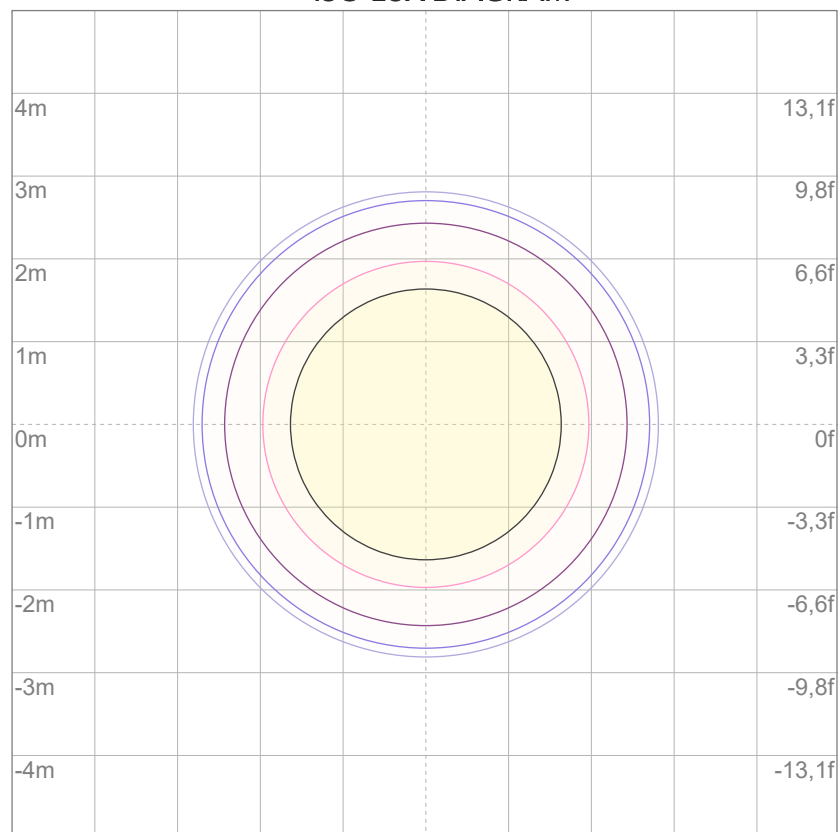
10%	928 cd
20%	1856 cd
30%	2785 cd
40%	3713 cd
50%	4641 cd
60%	5569 cd
70%	6498 cd
80%	7426 cd

Conditions:

Number of c-planes: 2

Candela at center: 9282 cd

ISO LUX DIAGRAM



3%	2,78 lx
5%	4,64 lx
10%	9,28 lx
30%	27,8 lx
50%	46,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 92,8 lx

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



Total lumen output:

5501 lm

Peak candela output:

6275 cd

Light quality:

CRI: 97,4

Color temperature:

2820 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

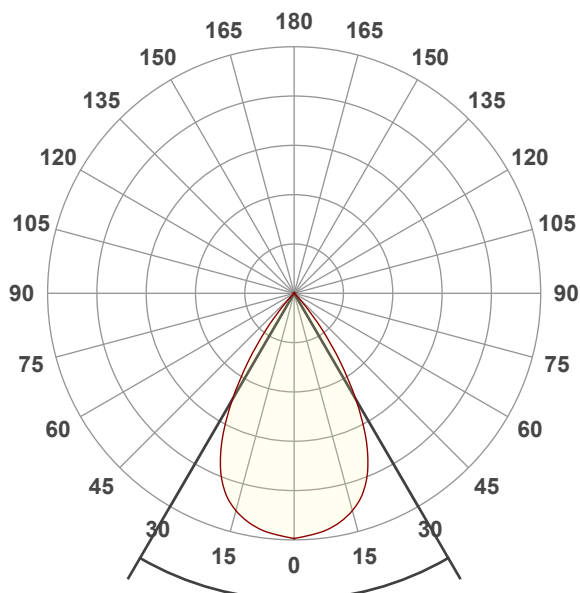
2800K- HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 17:27:57

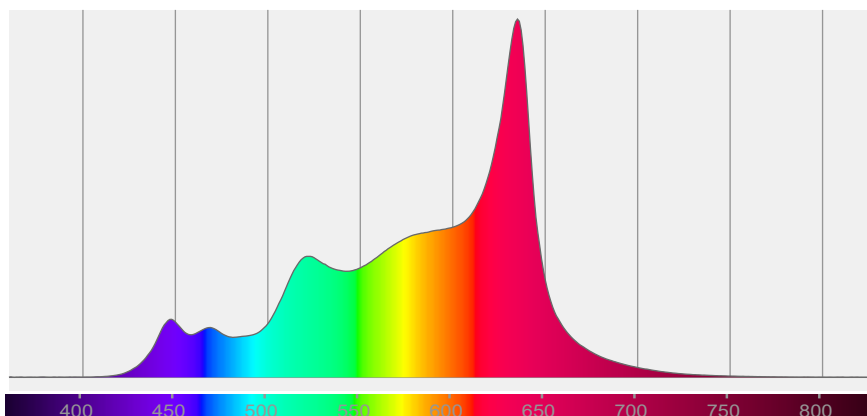


Beam angle 50%: 60,4°

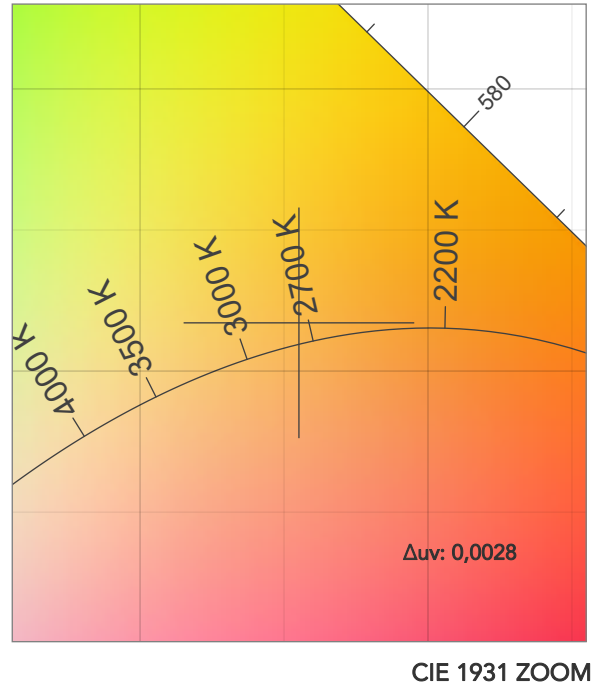
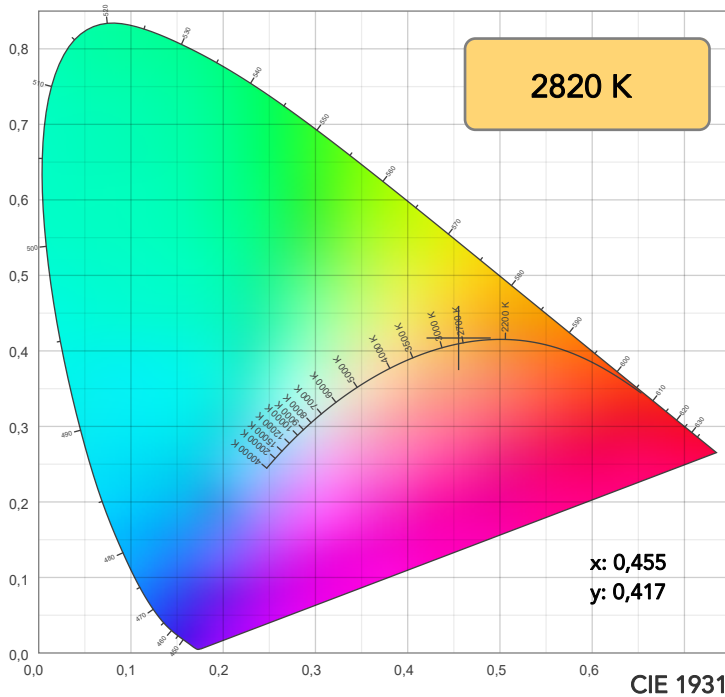
Field angle 10%: 80,8°

Cut off angle 2.5%: 88,4°

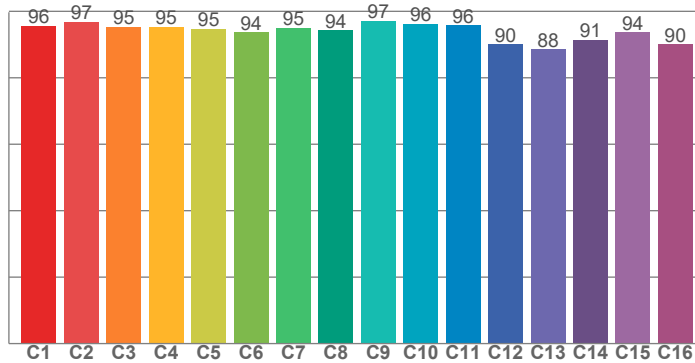
Spectra



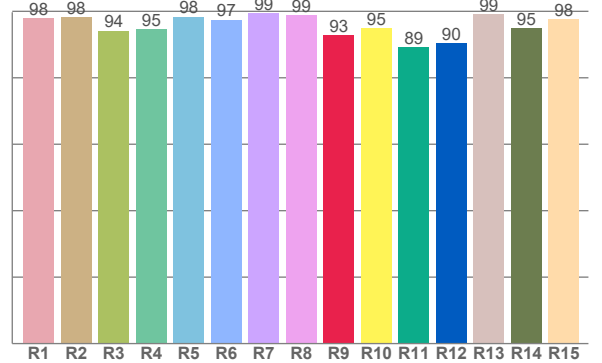
COLOR DETAILS



TM30: 94,4



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
98,0	98,3	94,2	94,6	98,3	97,5	99,3	98,9	92,8	94,9	89,1	90,3	99,1	95,0	97,7

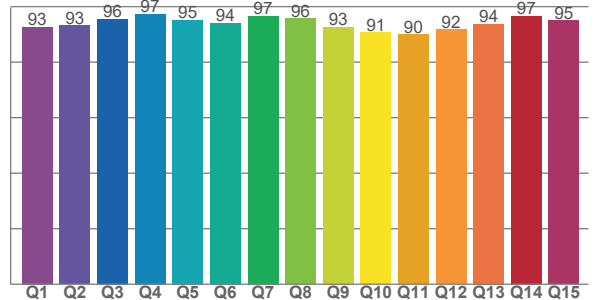
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,7	96,8	95,3	95,4	94,7	93,6	95,0	94,2	97,2	96,3	95,8	90,1	88,5	91,4	93,7	90,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,7	93,1	95,6	97,3	95,3	94,1	96,6	95,7	92,7	90,7	89,9	91,8	93,8	96,6	95,0

CQS: 93,5



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
2820 K	97,4	92,8	94,4	100,4	93,5	87	0,455	0,417	0,0028

TM30 DETAILS

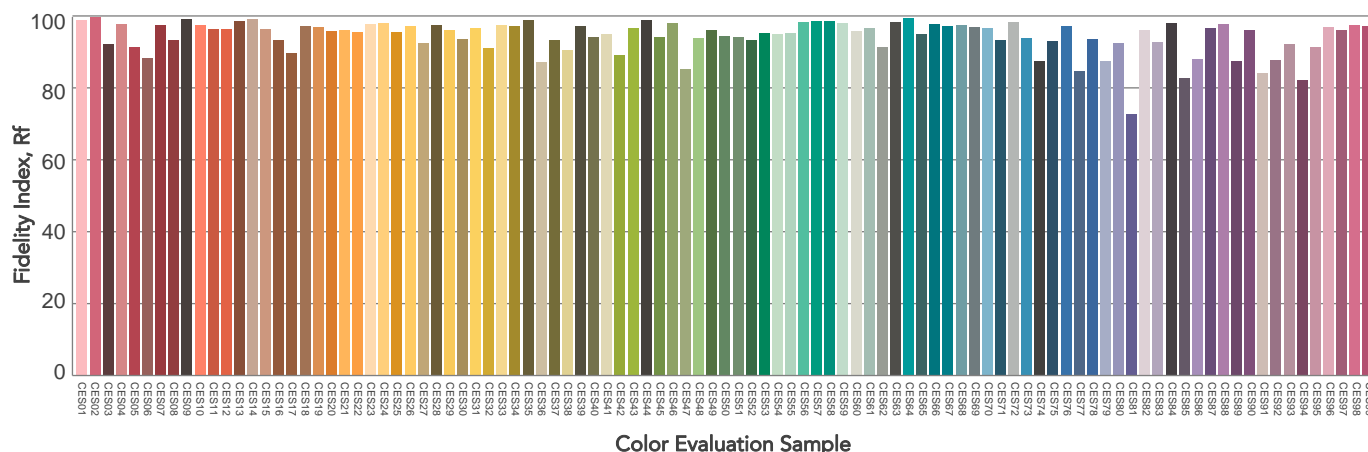
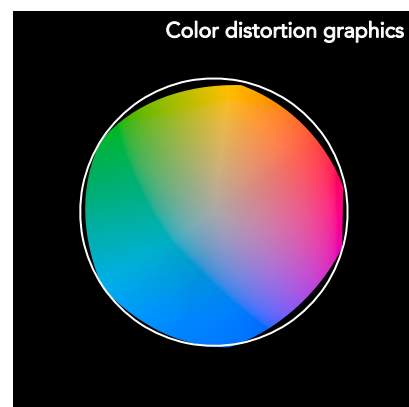
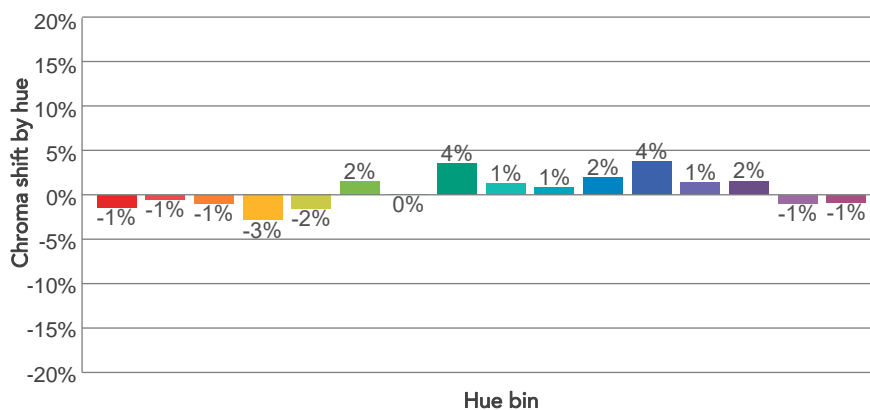
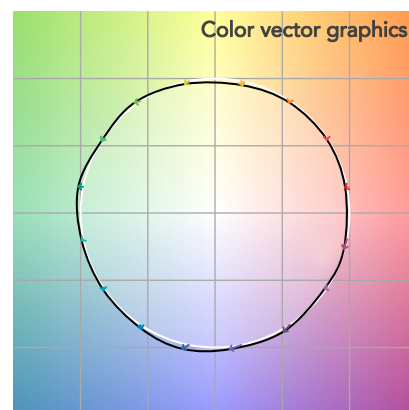
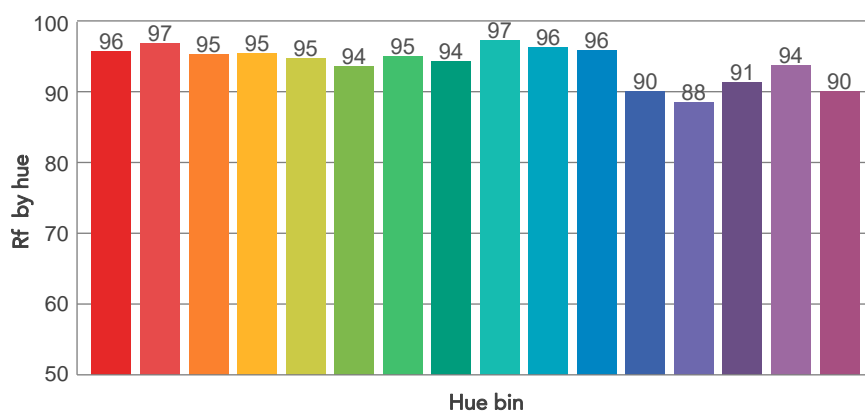
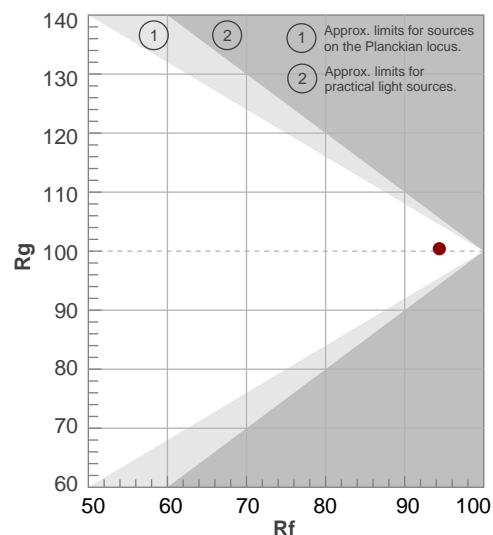
Rf 94,4

Fidelity index Rf

Rg 100,4

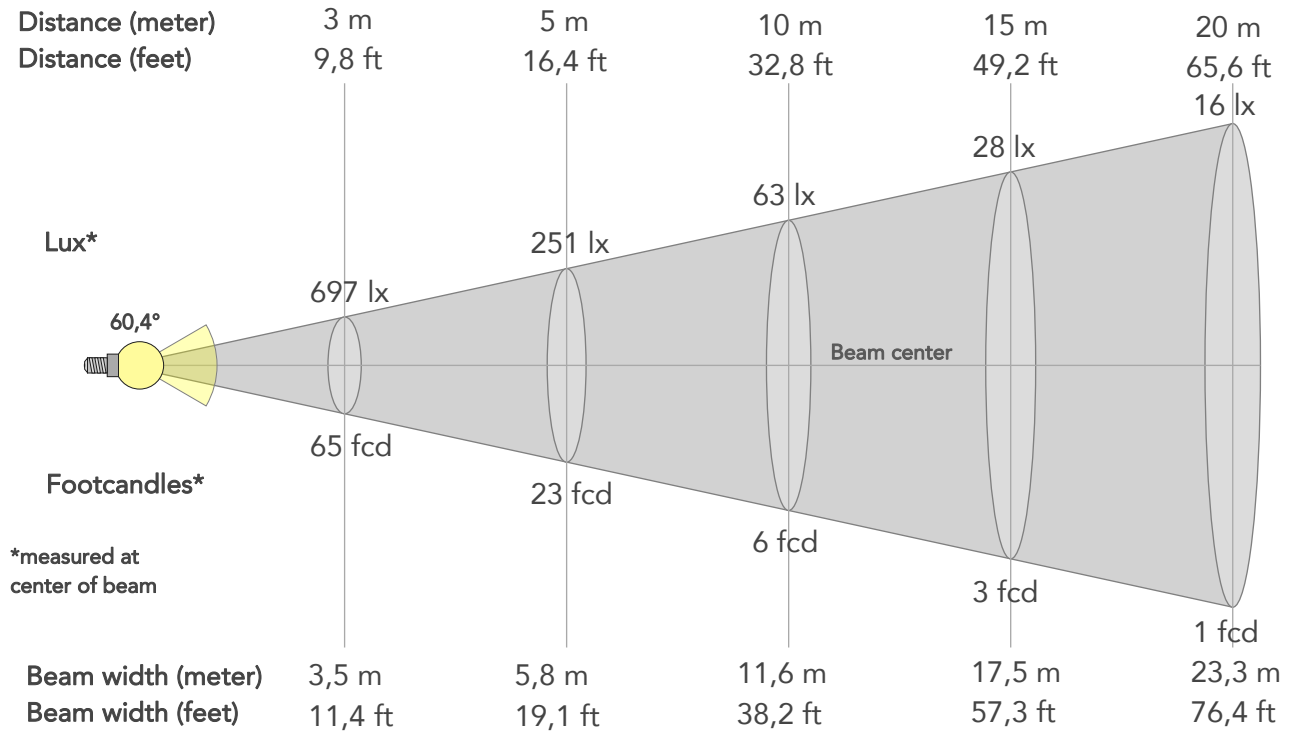
Gammut index

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



BEAM DETAILS

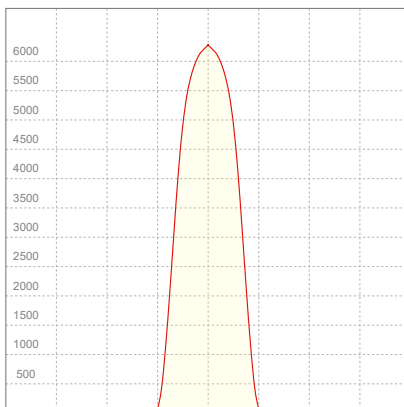
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
60,4°	80,8°	88,4°	99,4%	98,9%



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	6275lx	1569lx	697lx	392lx	251lx	112lx	63lx	28lx	16lx	10lx	7lx	4lx	3lx
Footcand.	583fcd	146fcd	65fcd	36fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,2m	2,3m	3,5m	4,7m	5,8m	8,7m	11,6m	17,5m	23,3m	29,1m	34,9m	46,6m	58,2m
Beam wid.	3,8ft	7,7ft	11,4ft	15,3ft	19,1ft	28,6ft	38,2ft	57,3ft	76,4ft	95,5ft	114,6ft	152,7ft	190,9ft

LINEAR DISTRIBUTION DIAGRAM

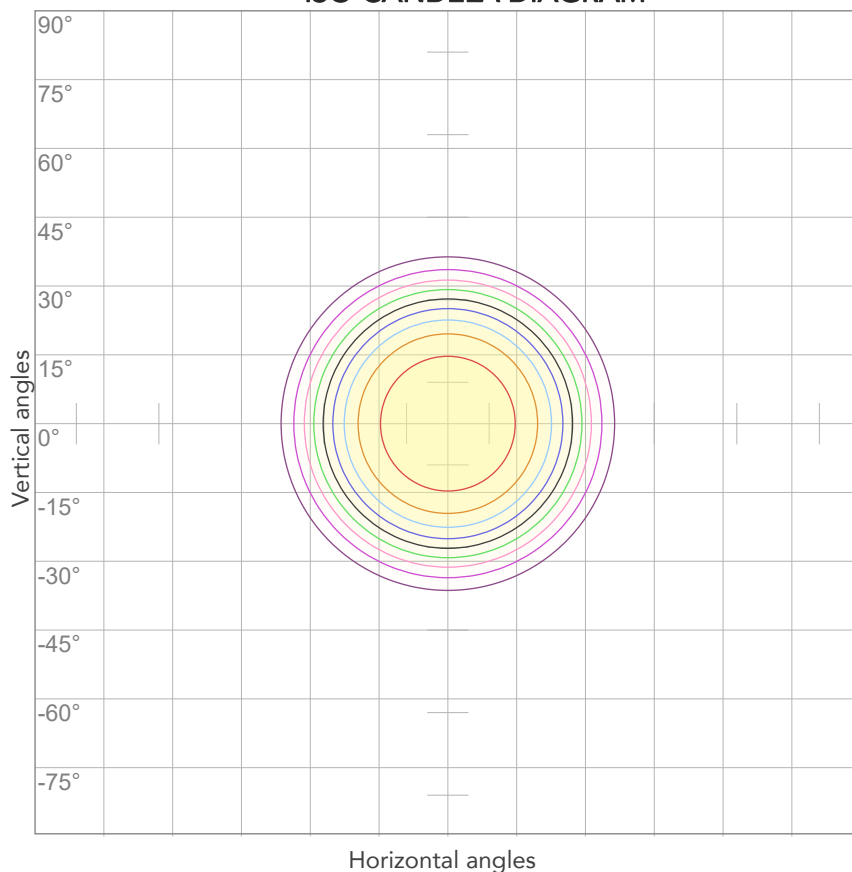


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,875A	195,8W	0,99	28lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



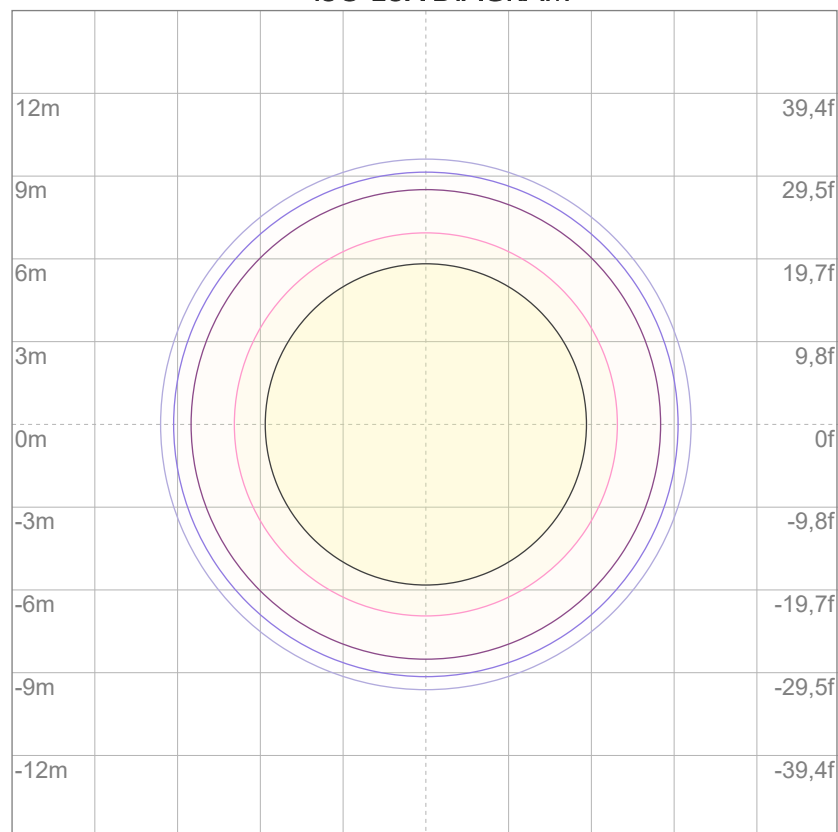
10%	627 cd
20%	1255 cd
30%	1882 cd
40%	2510 cd
50%	3137 cd
60%	3765 cd
70%	4392 cd
80%	5020 cd

Conditions:

Number of c-planes: 2

Candela at center: 6275 cd

ISO LUX DIAGRAM



3%	1,88 lx
5%	3,14 lx
10%	6,27 lx
30%	18,8 lx
50%	31,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 62,7 lx

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



Total lumen output:

4244 lm

Peak candela output:

11262 cd

Light quality:

CRI: 97,3

Color temperature:

2816 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

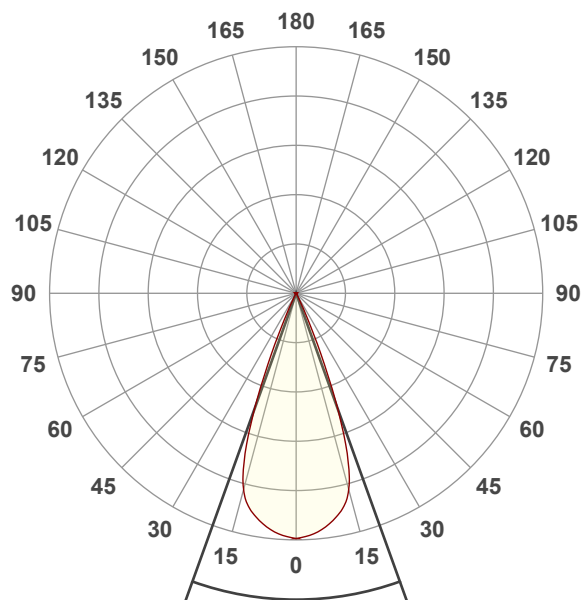
2800K- HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 17:30:11

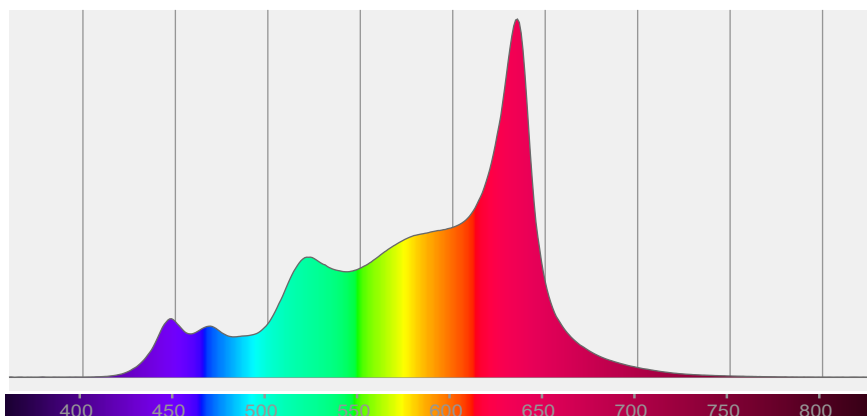


Beam angle 50%: 39,6°

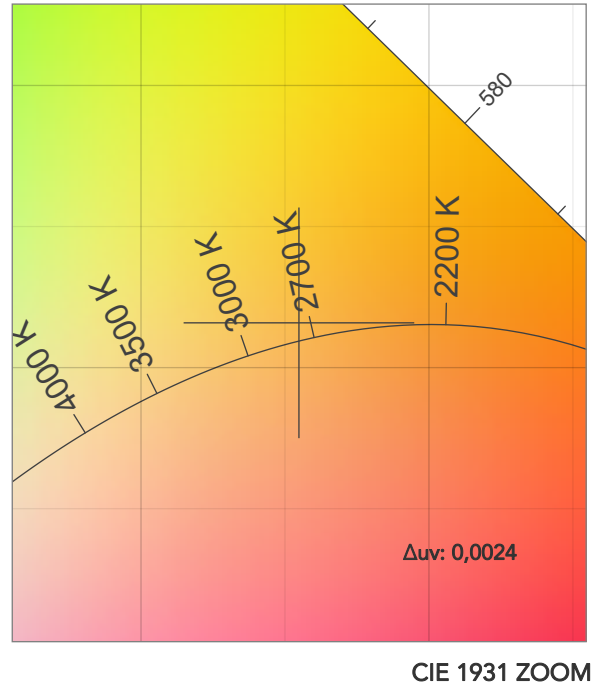
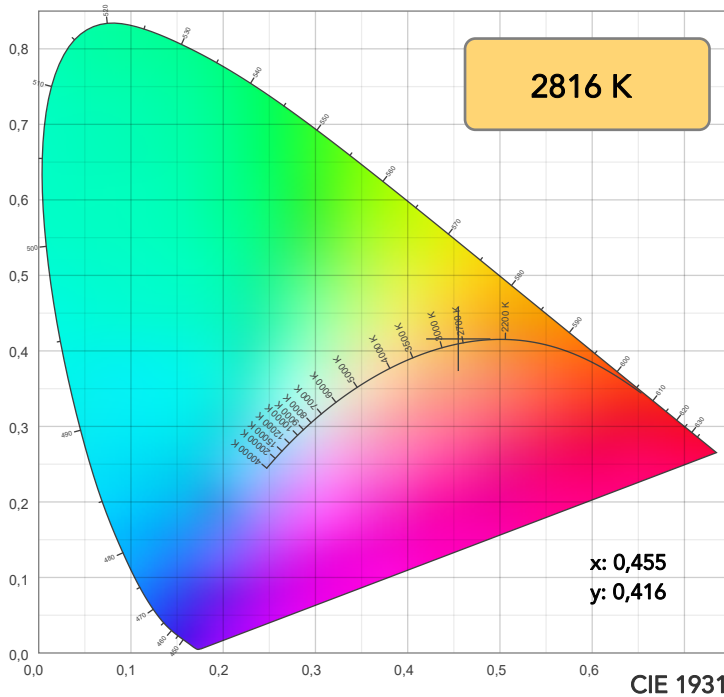
Field angle 10%: 49,2°

Cut off angle 2.5%: 54,3°

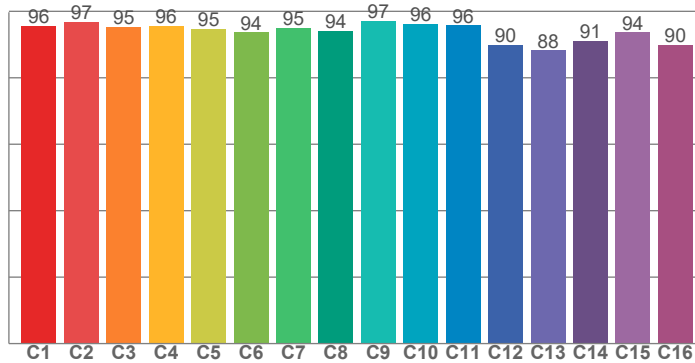
Spectra



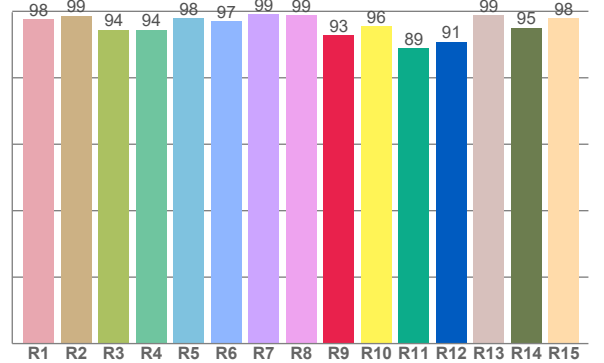
COLOR DETAILS



TM30: 94,4



CRI: 97,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,7	98,7	94,4	94,4	98,0	96,9	99,1	98,8	92,9	95,6	88,9	90,8	98,8	95,1	98,0

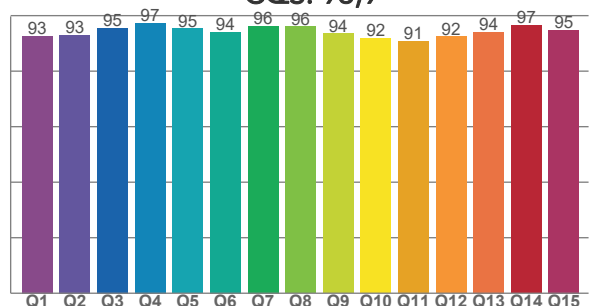
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,6	96,8	95,3	95,6	94,8	93,6	95,0	94,1	97,1	96,3	95,8	89,8	88,2	91,1	93,7	89,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,7	93,0	95,5	97,3	95,3	94,0	96,3	96,0	93,5	91,8	90,8	92,4	94,2	96,5	94,9

CQS: 93,9



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2816 K	97,3	92,9	94,4	100,6	93,9	87	0,455	0,416	0,0024

TM30 DETAILS

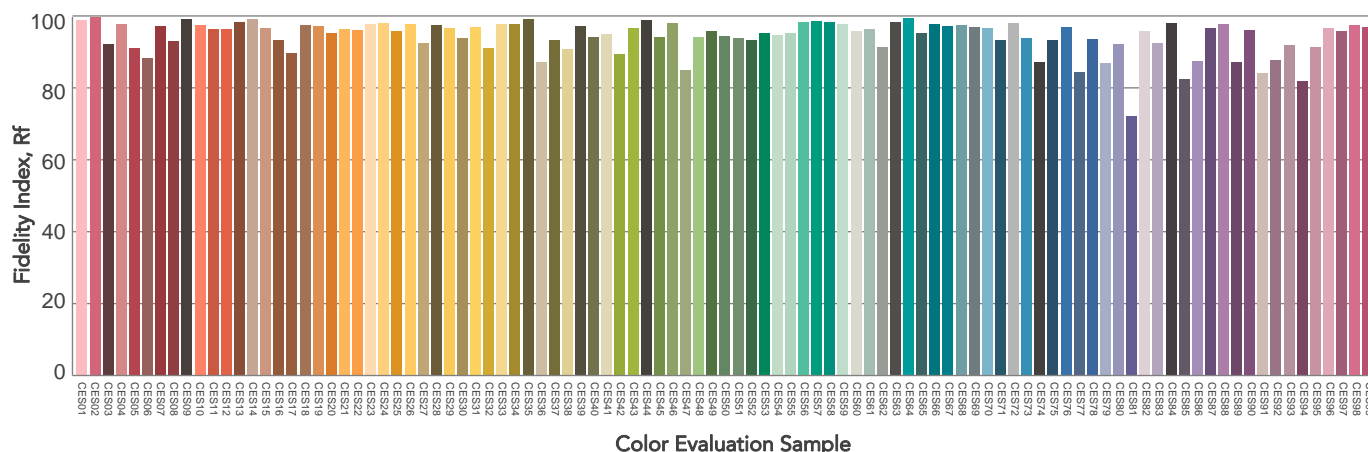
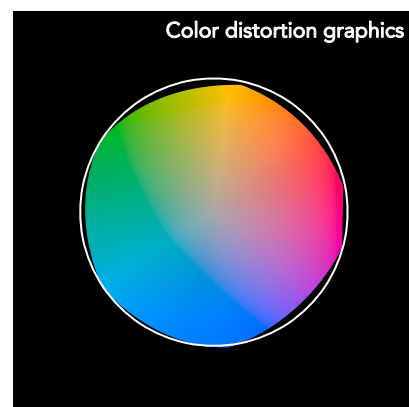
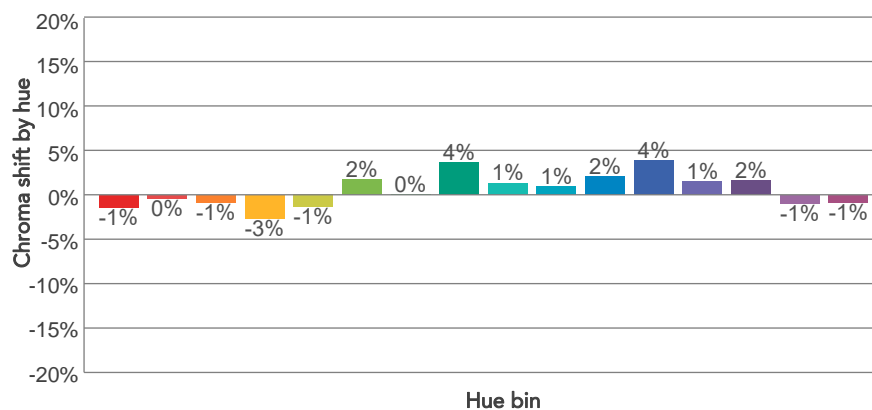
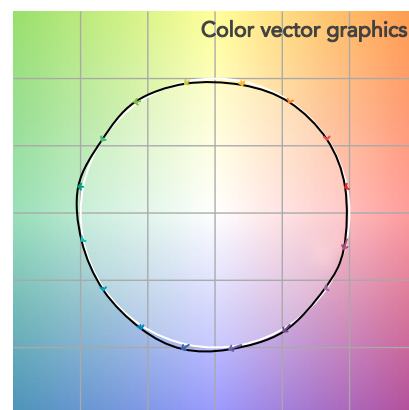
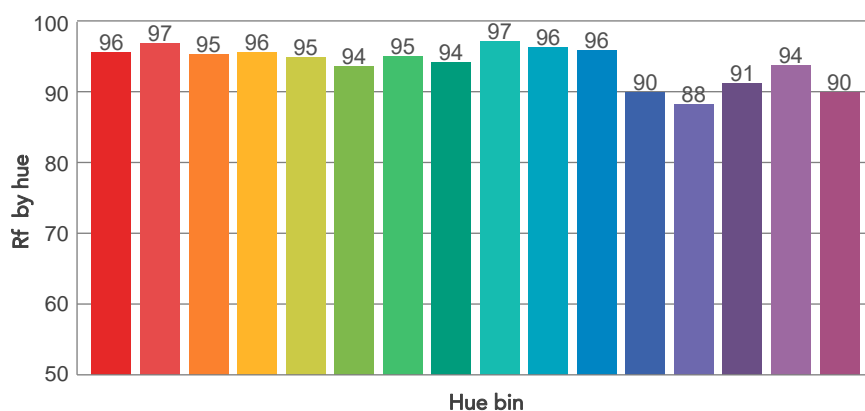
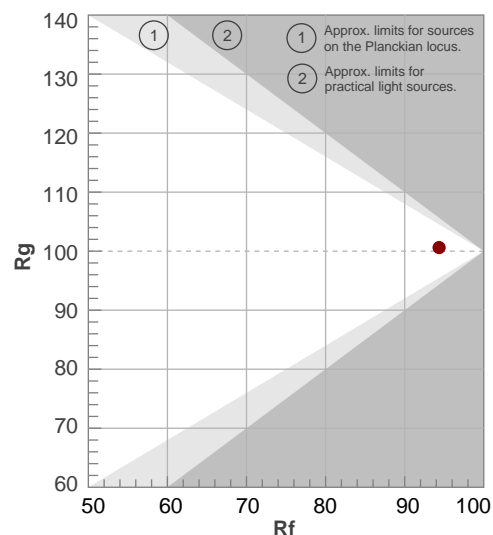
Rf 94,4

Fidelity index Rf

Rg 100,6

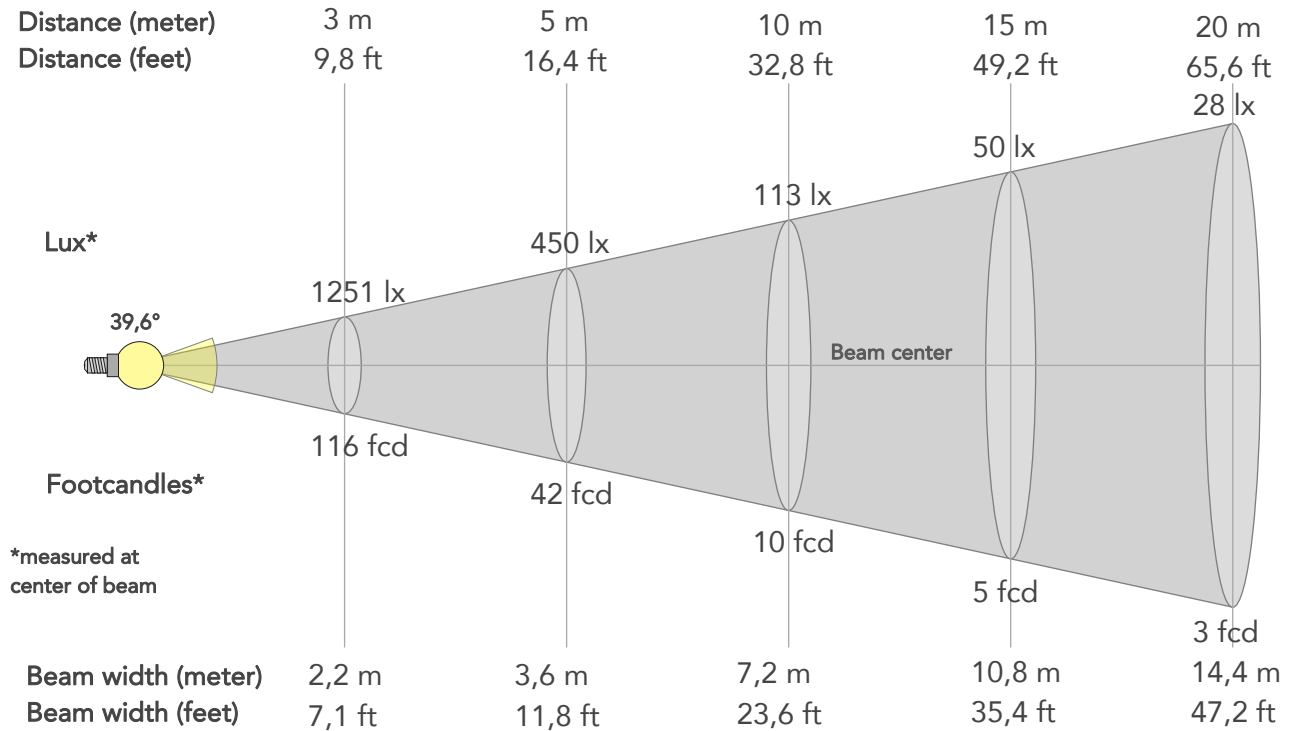
Gammut index

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



BEAM DETAILS

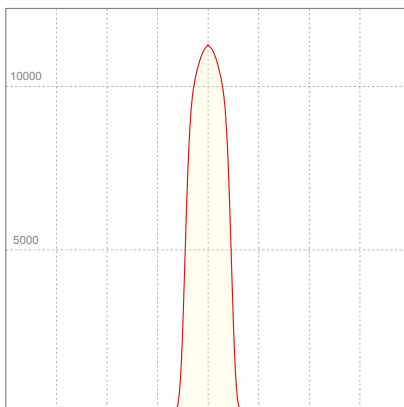
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,6°	49,2°	54,3°	99,1%	98,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	11262lx	2815lx	1251lx	704lx	450lx	200lx	113lx	50lx	28lx	18lx	13lx	7lx	5lx
Footcand.	1046fcd	262fcd	116fcd	65fcd	42fcd	19fcd	10fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,7m	1,4m	2,2m	2,9m	3,6m	5,4m	7,2m	10,8m	14,4m	18m	21,6m	28,8m	36m
Beam wid.	2,4ft	4,7ft	7,1ft	9,4ft	11,8ft	17,7ft	23,6ft	35,4ft	47,2ft	59ft	70,8ft	94,4ft	118ft

LINEAR DISTRIBUTION DIAGRAM

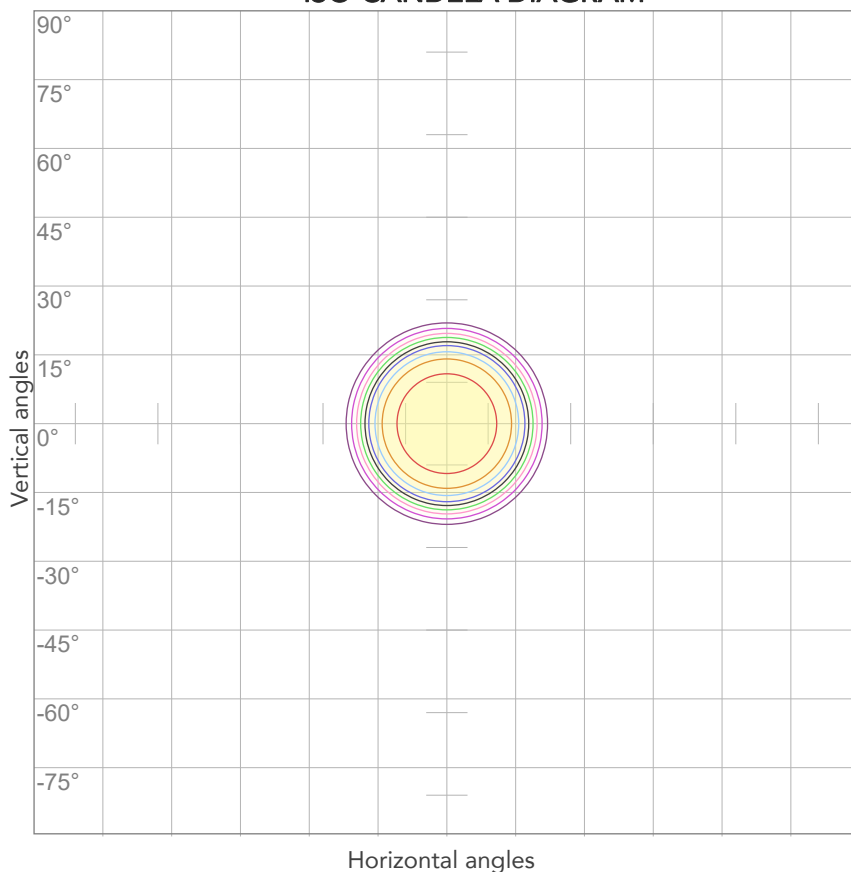


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,883A	196,3W	0,98	22lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



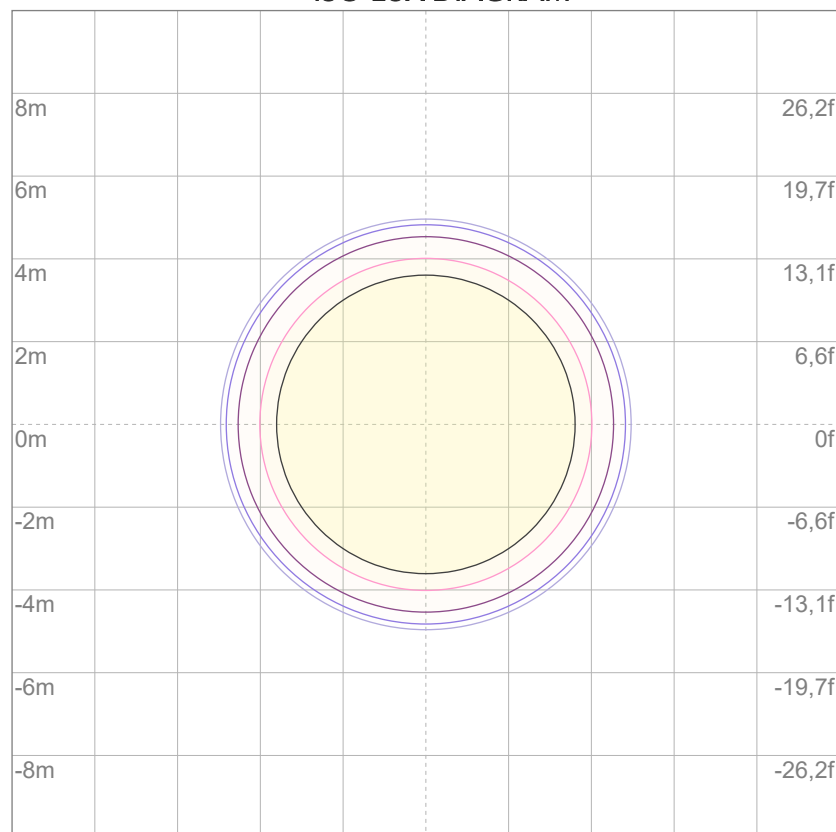
10%	1126 cd
20%	2252 cd
30%	3379 cd
40%	4505 cd
50%	5631 cd
60%	6757 cd
70%	7883 cd
80%	9010 cd

Conditions:

Number of c-planes: 2

Candela at center: 11262 cd

ISO LUX DIAGRAM



3%	3,38 lx
5%	5,63 lx
10%	11,3 lx
30%	33,8 lx
50%	56,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 113 lx

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



Total lumen output:

2994 lm

Peak candela output:

26977 cd

Light quality:

CRI: 97,2

Color temperature:

2810 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

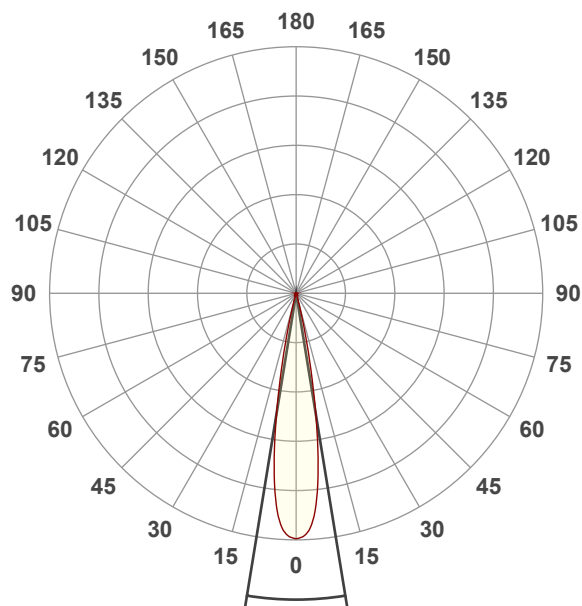
2800K- HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 16:18:02

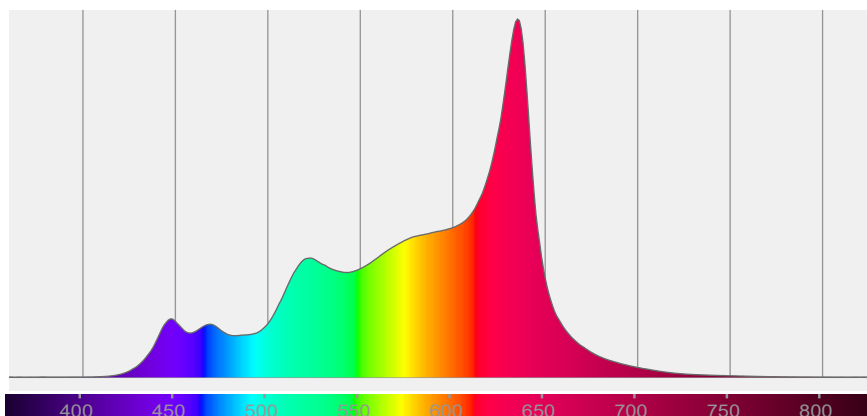


Beam angle 50%: 18,5°

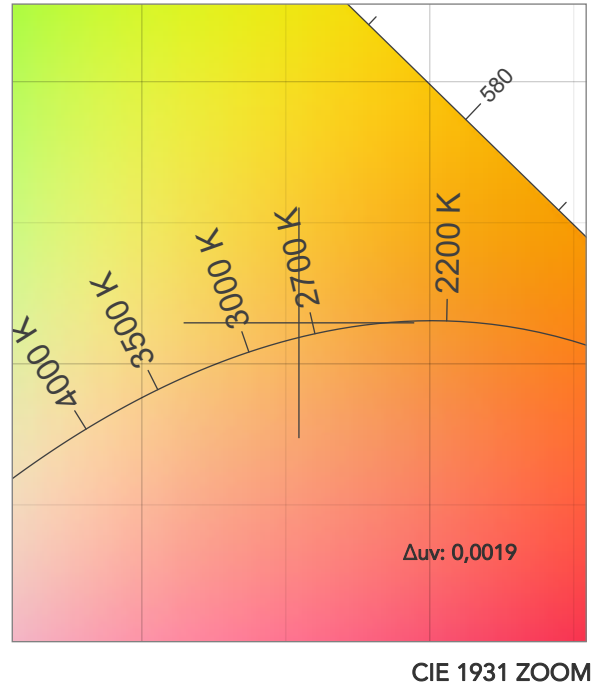
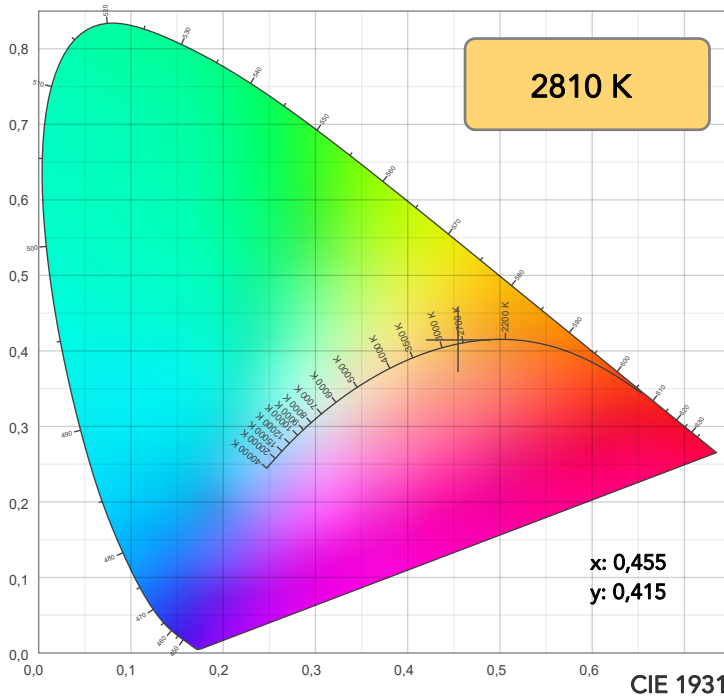
Field angle 10%: 27,6°

Cut off angle 2.5%: 32,6°

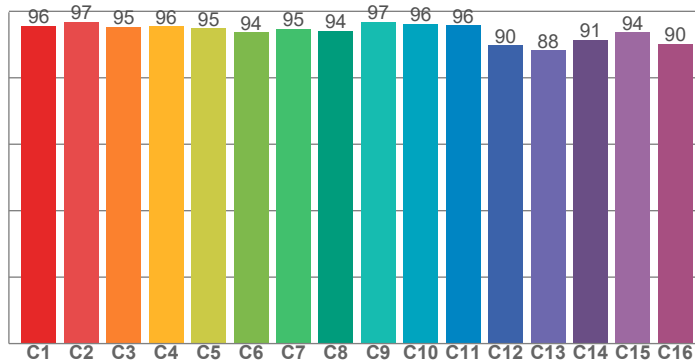
Spectra



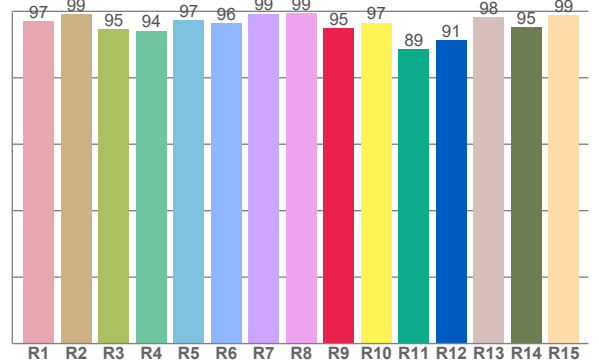
COLOR DETAILS



TM30: 94,3



CRI: 97,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,1	99,2	94,6	94,1	97,4	96,3	99,3	99,4	94,9	96,6	88,6	91,4	98,2	95,1	98,8

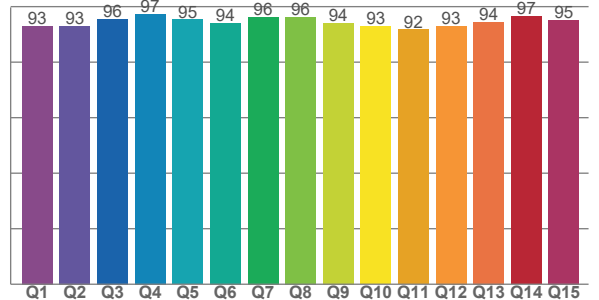
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,7	96,8	95,3	95,5	94,9	93,6	94,8	94,2	96,9	96,2	95,7	89,8	88,2	91,3	93,6	90,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,0	93,0	95,5	97,3	95,4	94,2	96,2	96,2	94,2	92,9	91,8	93,0	94,4	96,5	95,2

CQS: 94,2



COLOR PARAMETERS

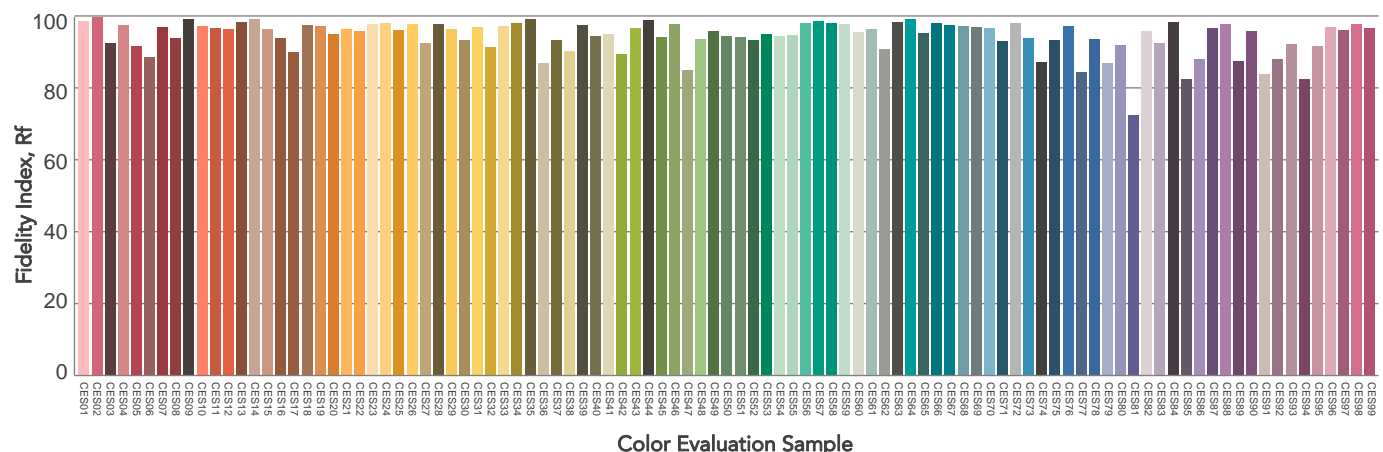
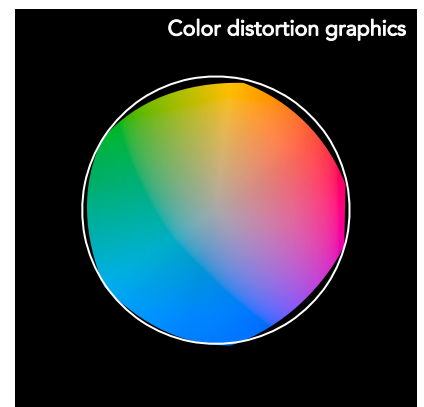
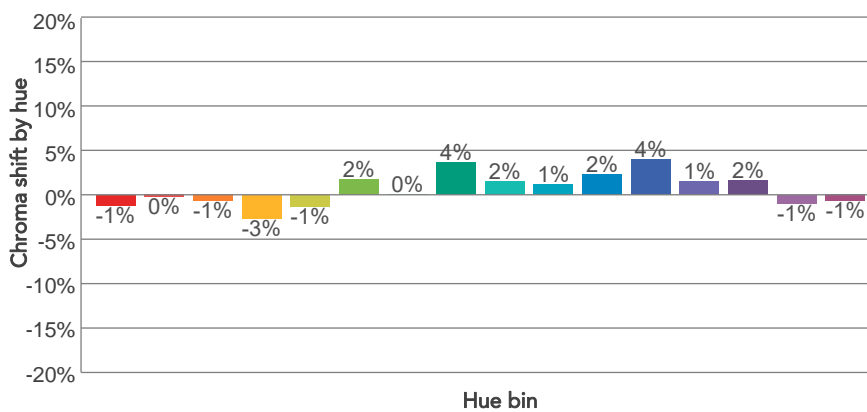
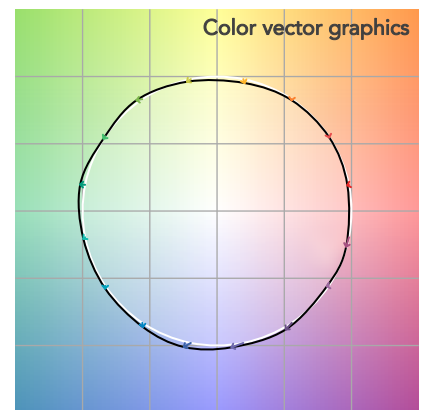
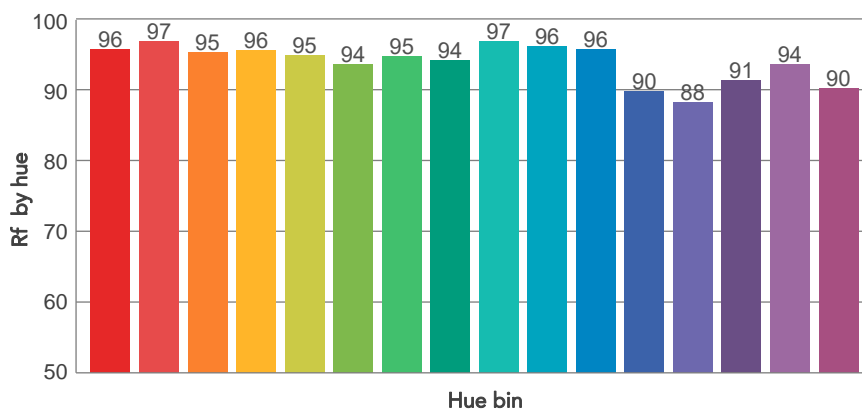
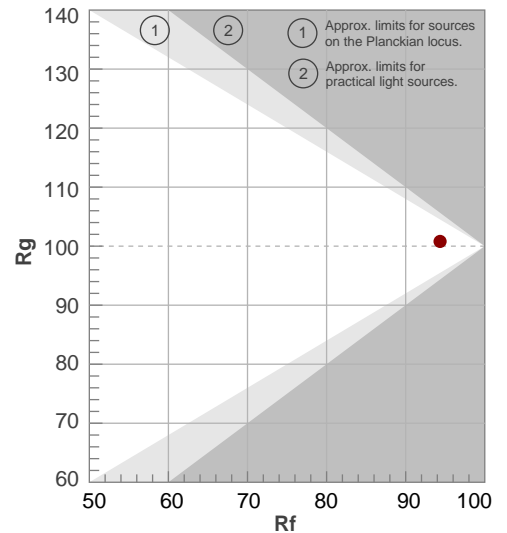
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2810 K	97,2	94,9	94,3	100,8	94,2	87	0,455	0,415	0,0019

TM30 DETAILS

Rf 94,3
Fidelity index Rf

Rg 100,8
Gammut index

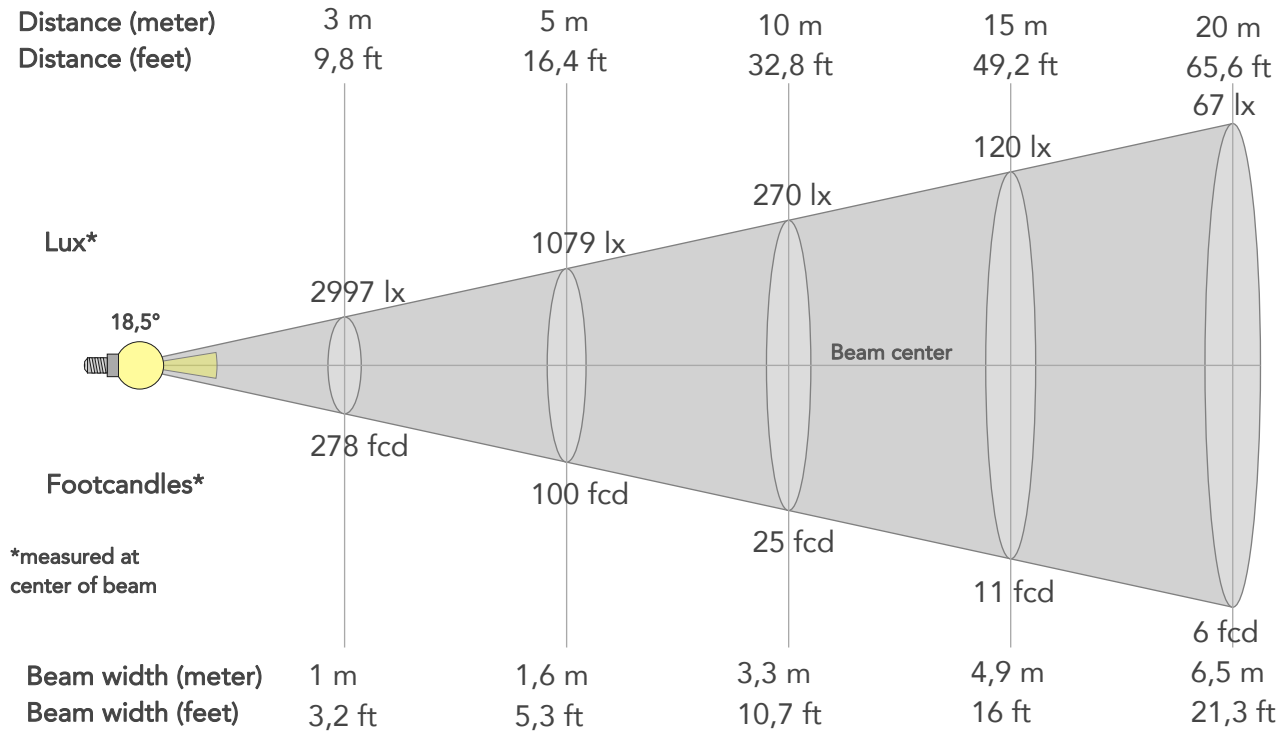
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	0%
2	97	0%	-1%
3	95	-1%	0%
4	96	-3%	-1%
5	95	-1%	3%
6	94	2%	4%
7	95	0%	2%
8	94	4%	1%
9	97	2%	1%
10	96	1%	2%
11	96	2%	2%
12	90	4%	-5%
13	88	1%	-9%
14	91	2%	-6%
15	94	-1%	-1%
16	90	-1%	-7%



BEAM DETAILS



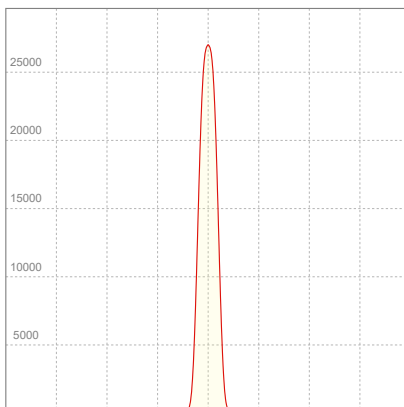
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,5°	27,6°	32,6°	98,9%	97,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	26977lx	6744lx	2997lx	1686lx	1079lx	480lx	270lx	120lx	67lx	43lx	30lx	17lx	11lx
Footcand.	2506fcd	627fcd	278fcd	157fcd	100fcd	45fcd	25fcd	11fcd	6fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,6m	2,4m	3,3m	4,9m	6,5m	8,1m	9,8m	13m	16,3m
Beam wid.	1,1ft	2,1ft	3,2ft	4,3ft	5,3ft	8ft	10,7ft	16ft	21,3ft	26,7ft	32ft	42,7ft	53,4ft

LINEAR DISTRIBUTION DIAGRAM

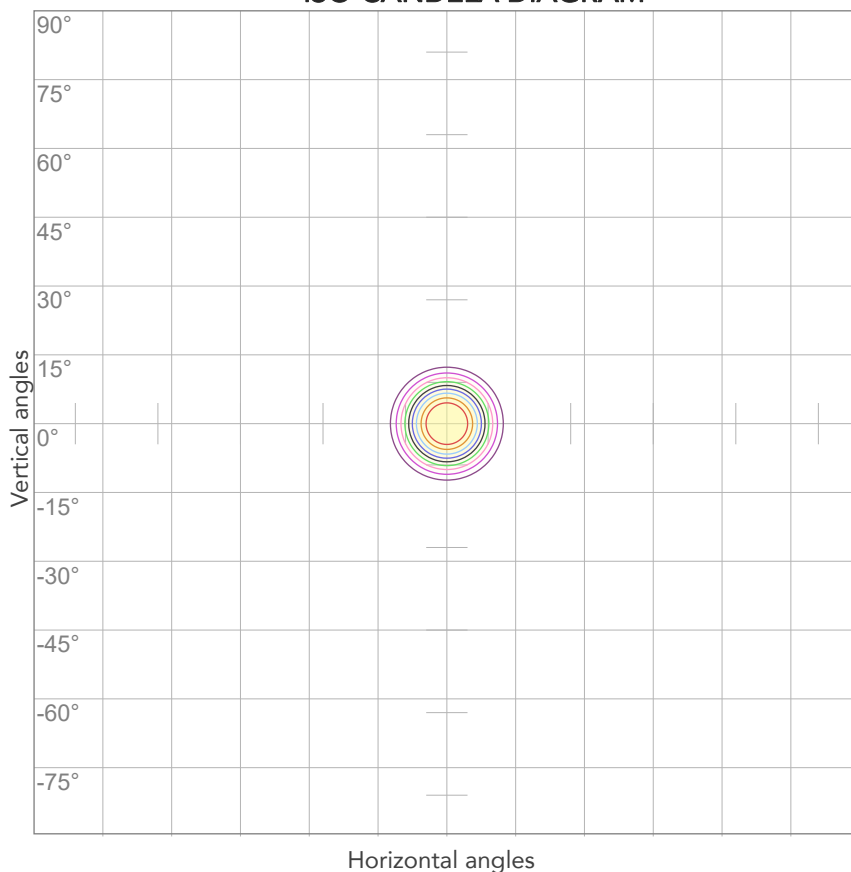


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,875A	194,6W	0,99	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



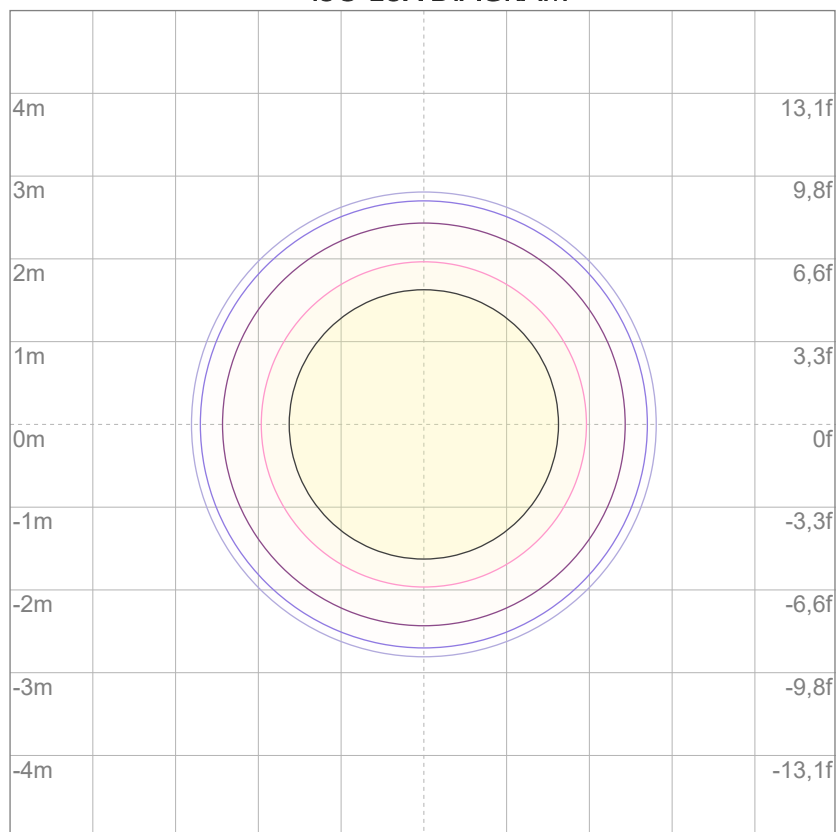
10%	2698 cd
20%	5395 cd
30%	8093 cd
40%	10791 cd
50%	13489 cd
60%	16186 cd
70%	18884 cd
80%	21582 cd

Conditions:

Number of c-planes: 2

Candela at center: 26977 cd

ISO LUX DIAGRAM



3%	8,09 lx
5%	13,5 lx
10%	27,0 lx
30%	80,9 lx
50%	135 lx

Conditions:

Number of c-planes: 2

Lux at center: 270 lx

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



Total lumen output:

5484 lm

Peak candela output:

6223 cd

Light quality:

CRI: 93,8

Color temperature:

3264 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

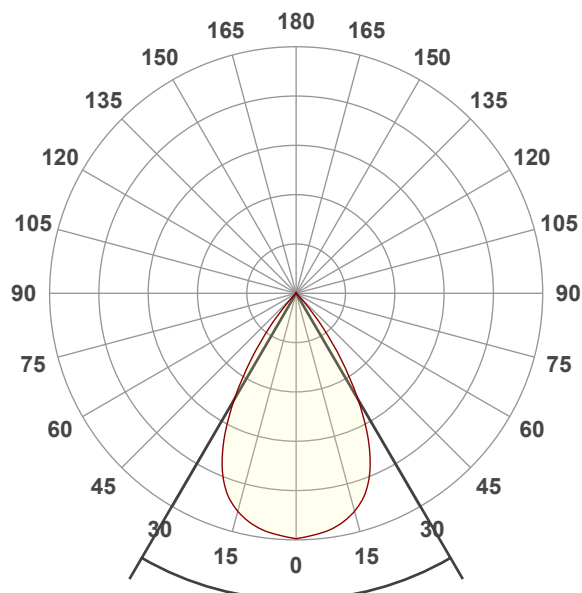
3200K- HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 17:26:16

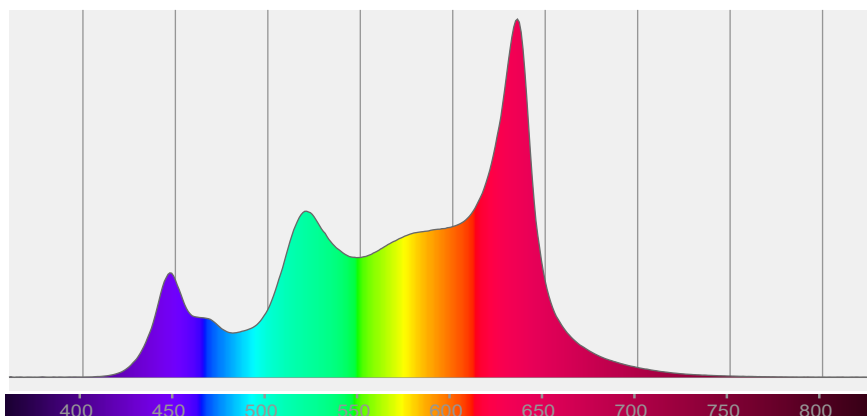


Beam angle 50%: 60,5°

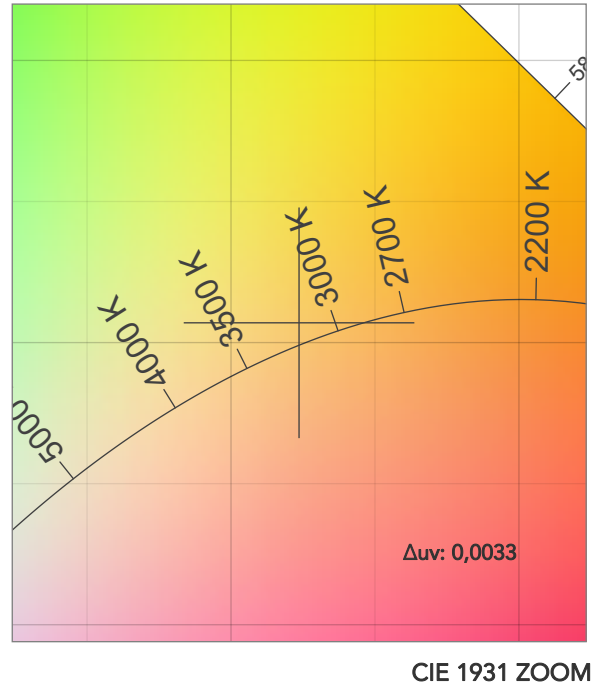
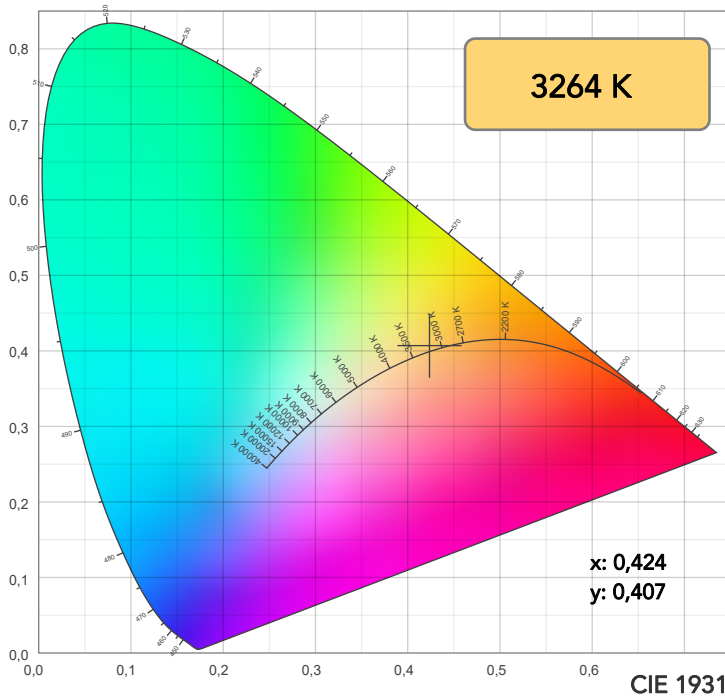
Field angle 10%: 81°

Cut off angle 2.5%: 88,8°

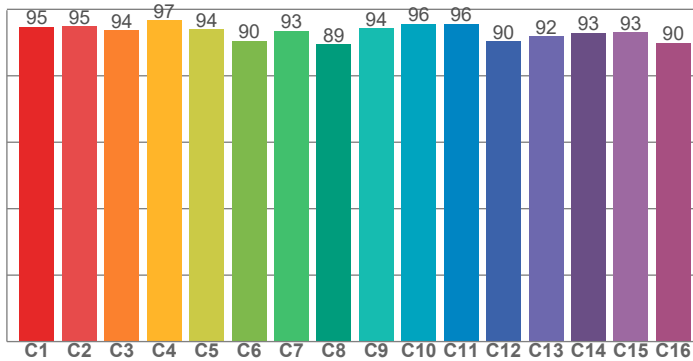
Spectra



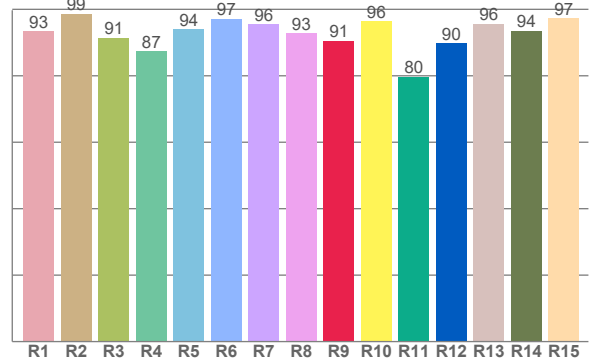
COLOR DETAILS



TM30: 93,6



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
93,5	98,6	91,4	87,3	94,0	97,1	95,6	92,7	90,5	96,5	79,7	89,7	95,7	93,6	97,3

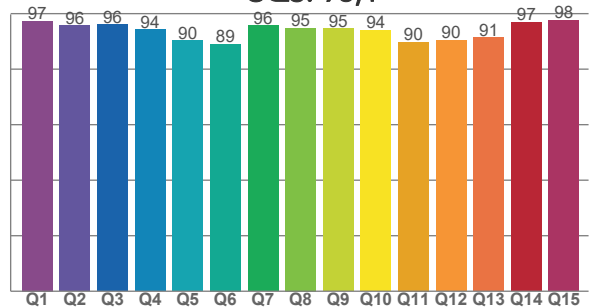
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,3	95,8	96,1	94,2	90,3	89,1	95,7	94,8	94,7	94,0	89,8	90,4	91,4	96,9	97,6

CQS: 93,1



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
3264 K	93,8	90,5	93,6	103,9	93,1	88	0,424	0,407	0,0033

TM30 DETAILS

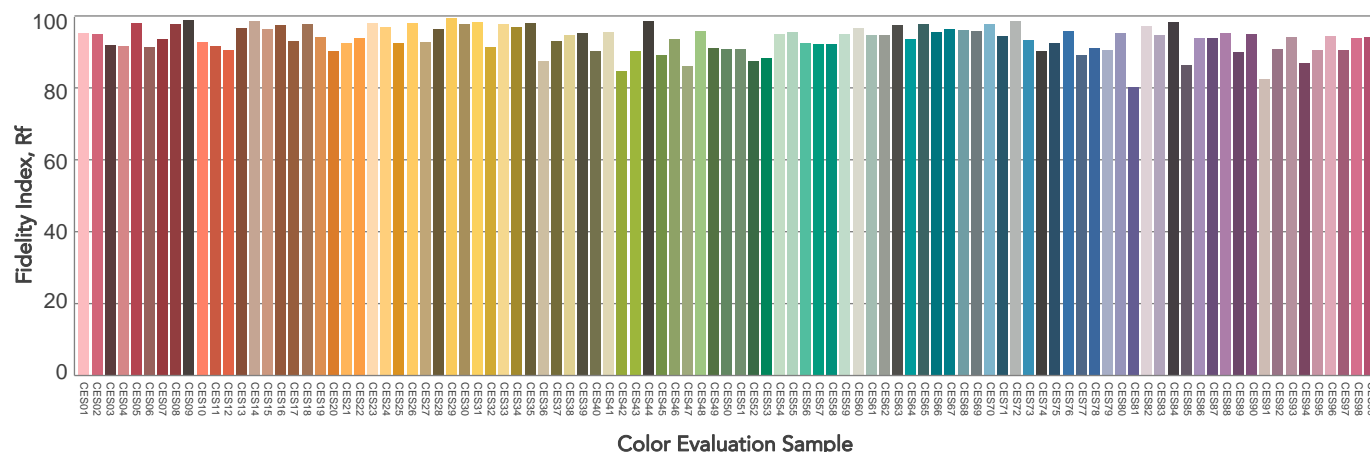
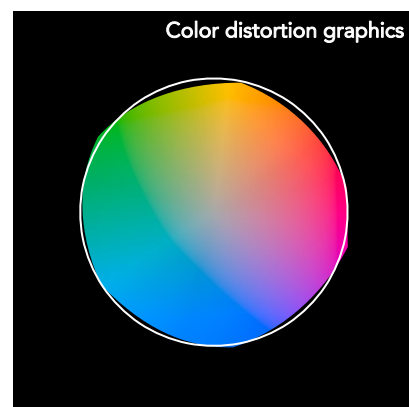
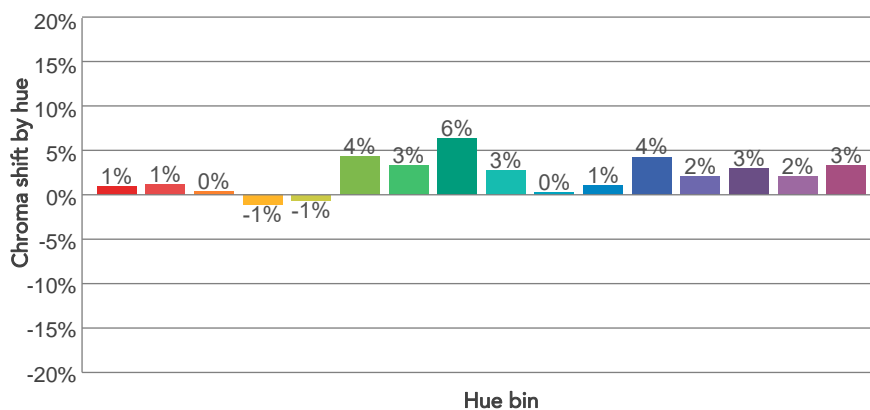
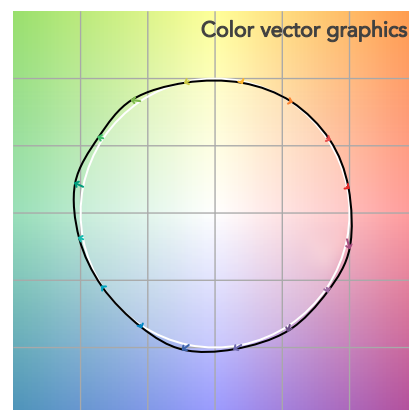
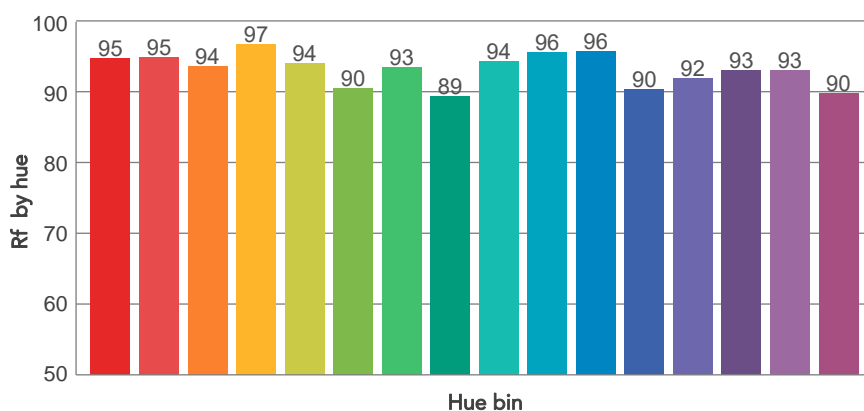
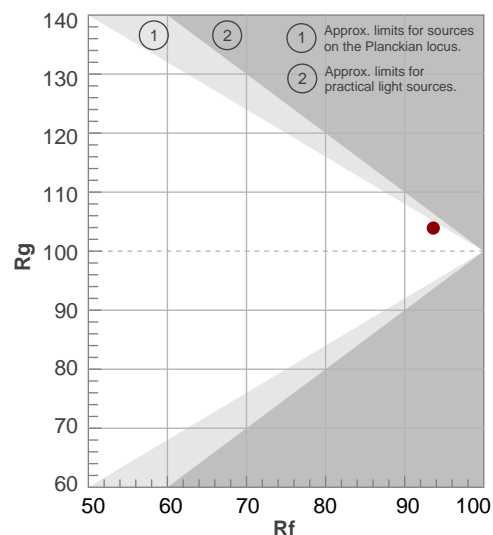
Rf 93,6

Fidelity index Rf

Rg 103,9

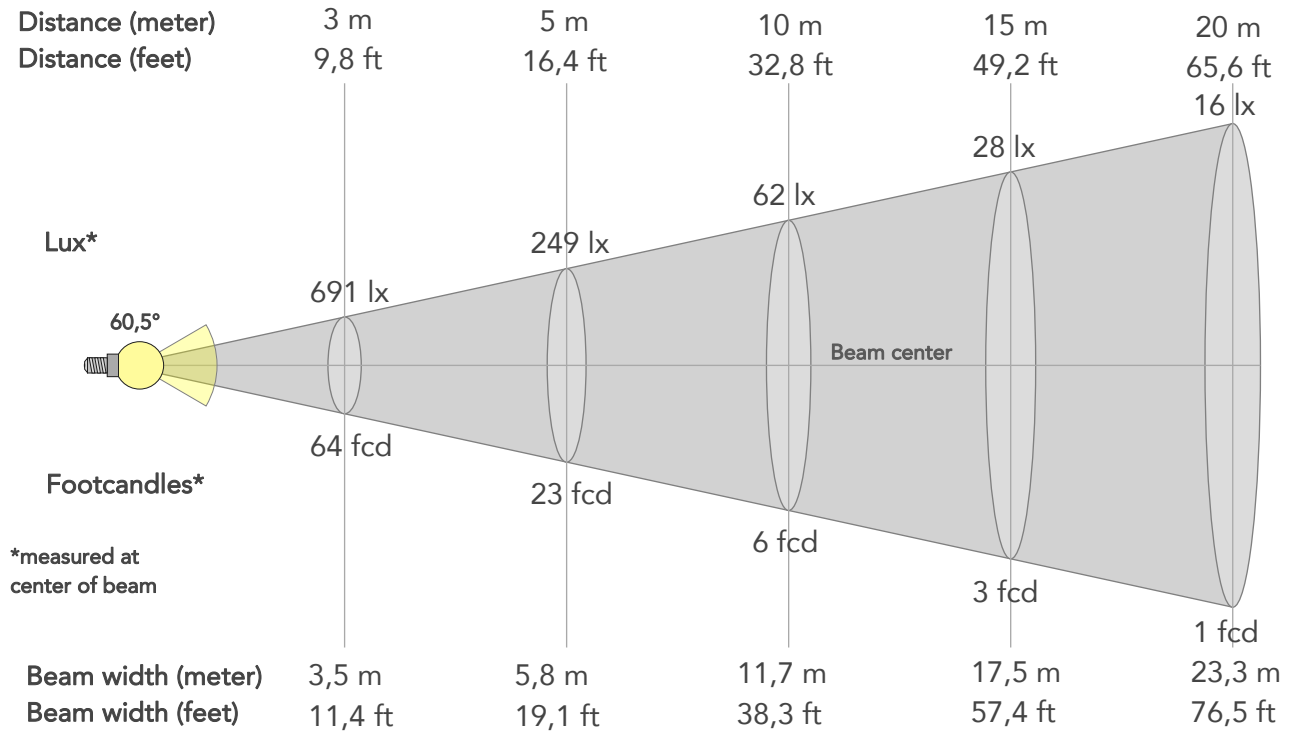
Gammut index

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



BEAM DETAILS

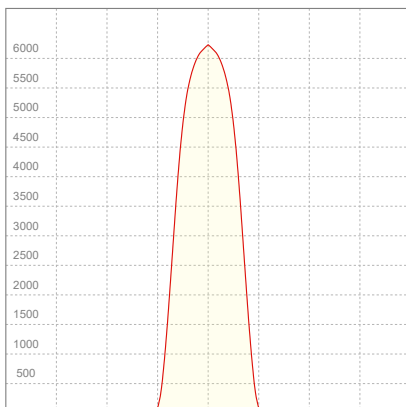
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
60,5°	81°	88,8°	99,4%	99,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6223lx	1556lx	691lx	389lx	249lx	111lx	62lx	28lx	16lx	10lx	7lx	4lx	2lx
Footcand.	578fcd	145fcd	64fcd	36fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,2m	2,3m	3,5m	4,7m	5,8m	8,8m	11,7m	17,5m	23,3m	29,2m	35m	46,7m	58,3m
Beam wid.	3,9ft	7,7ft	11,4ft	15,3ft	19,1ft	28,7ft	38,3ft	57,4ft	76,5ft	95,7ft	114,8ft	153,1ft	191,3ft

LINEAR DISTRIBUTION DIAGRAM

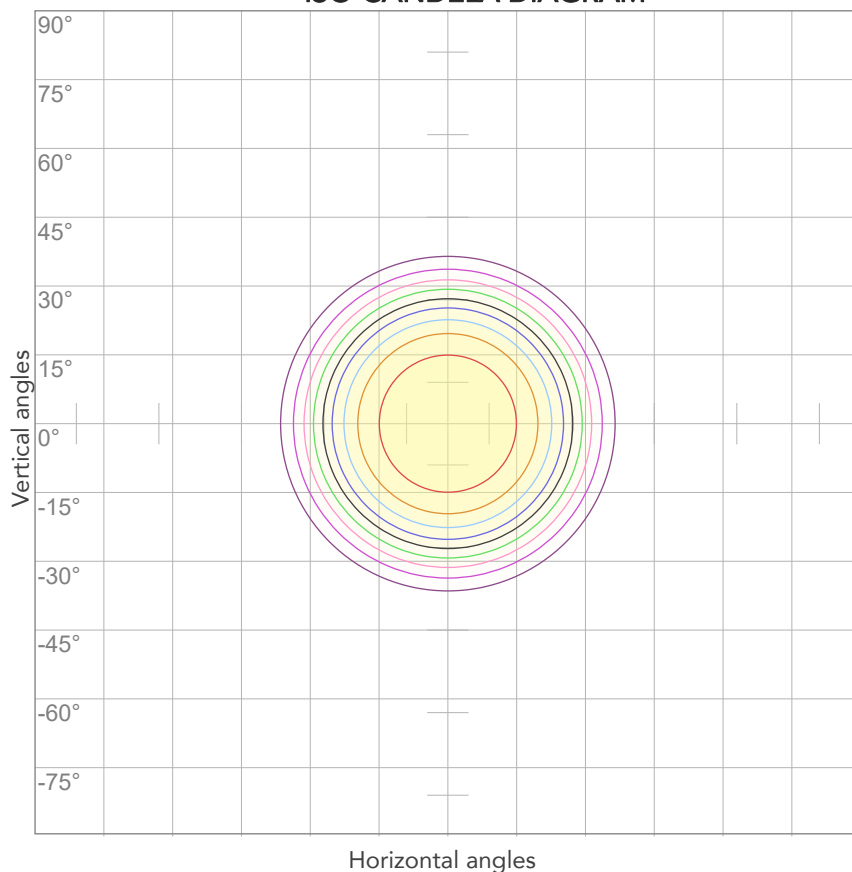


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,883A	197,2W	0,99	28lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



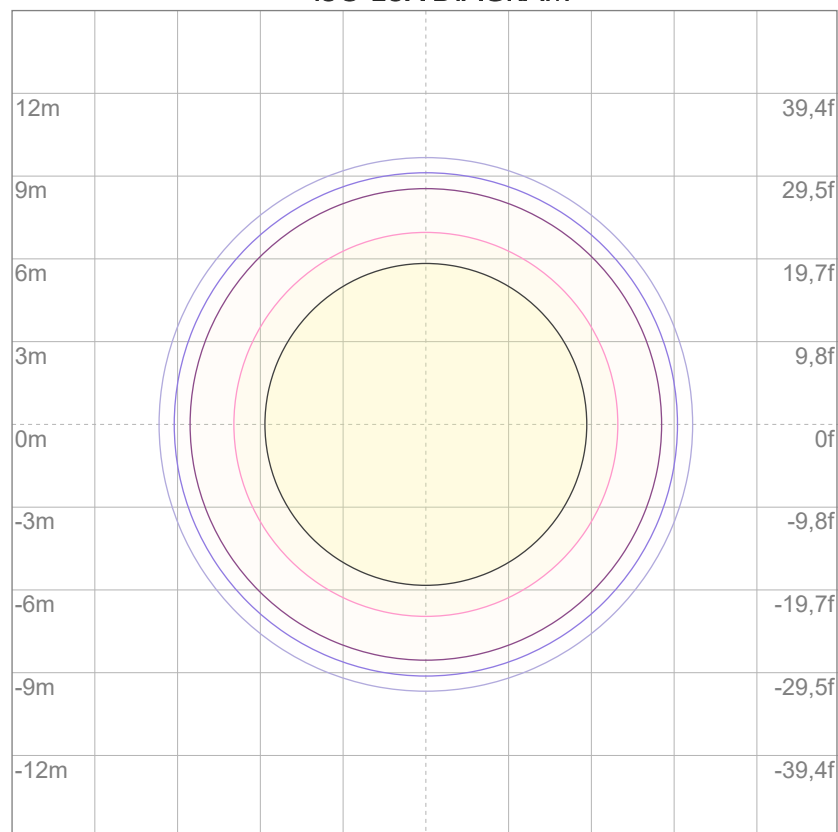
10%	622 cd
20%	1245 cd
30%	1867 cd
40%	2489 cd
50%	3111 cd
60%	3734 cd
70%	4356 cd
80%	4978 cd

Conditions:

Number of c-planes: 2

Candela at center: 6223 cd

ISO LUX DIAGRAM



3%	1,87 lx
5%	3,11 lx
10%	6,22 lx
30%	18,7 lx
50%	31,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 62,2 lx

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



Total lumen output:

4196 lm

Peak candela output:

11081 cd

Light quality:

CRI: 93,6

Color temperature:

3255 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

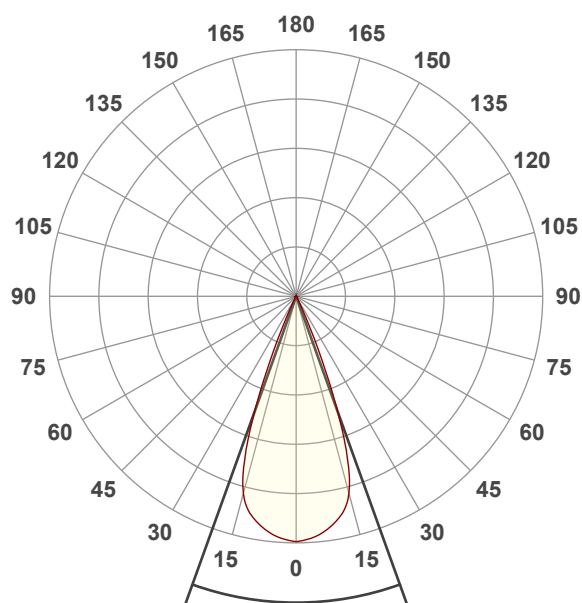
3200K- HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 17:31:38

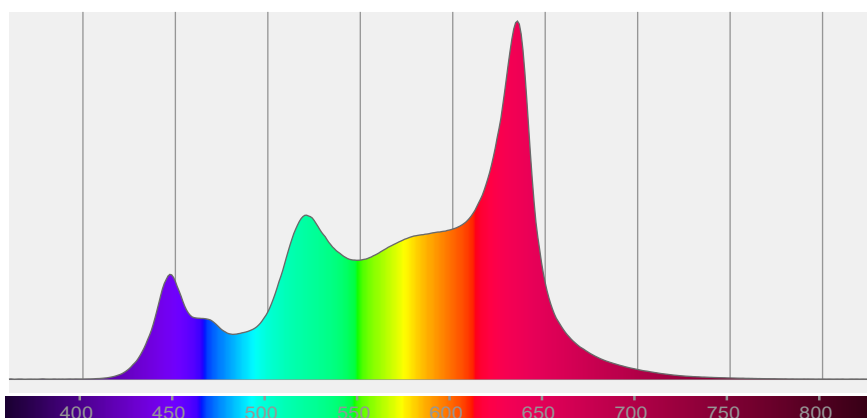


Beam angle 50%: 39,6°

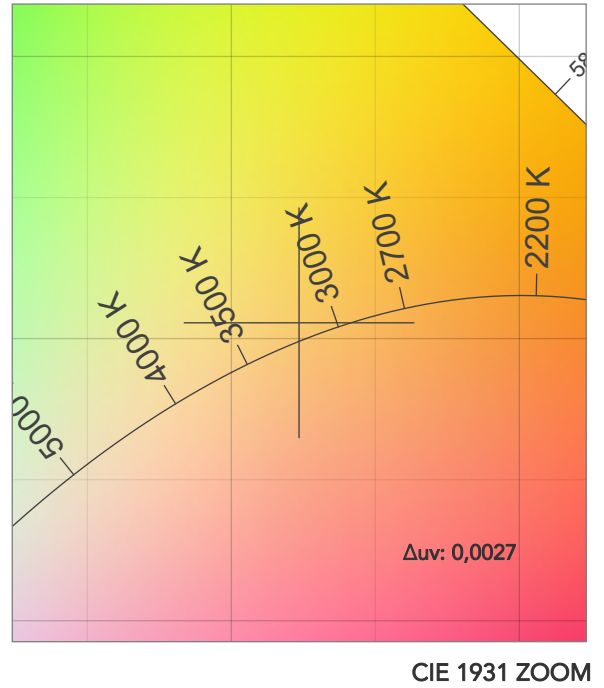
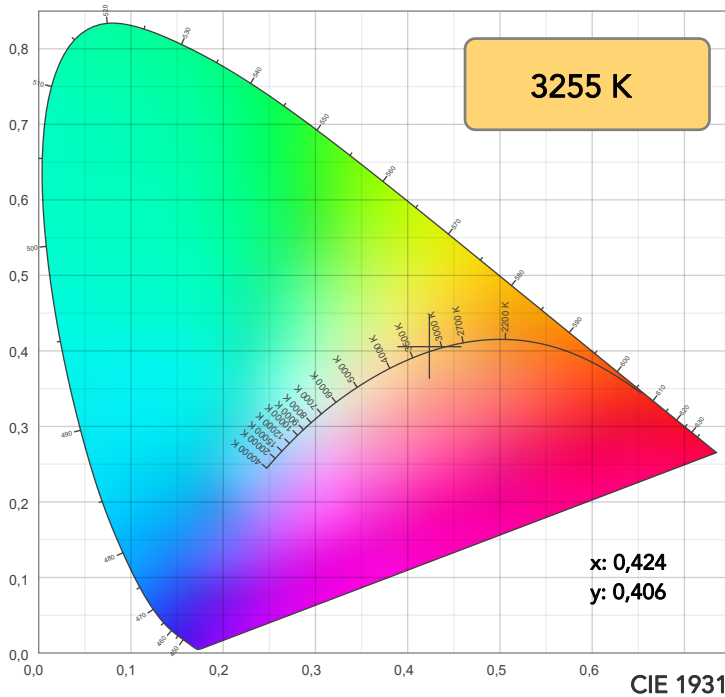
Field angle 10%: 49,1°

Cut off angle 2.5%: 54,4°

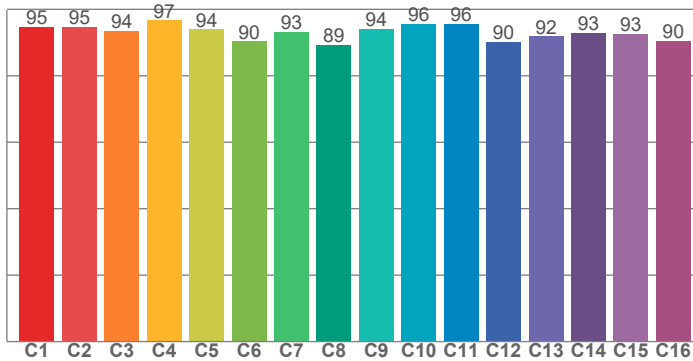
Spectra



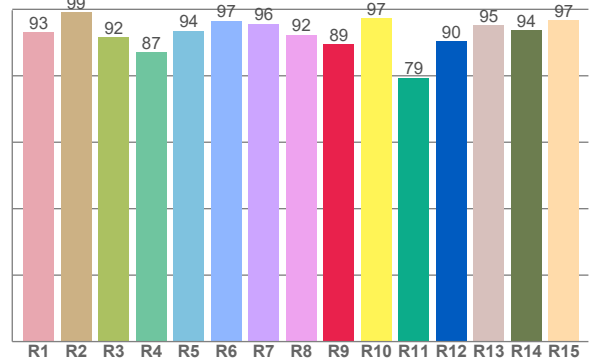
COLOR DETAILS



TM30: 93,6



CRI: 93,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,0	99,1	91,6	87,1	93,6	96,6	95,7	92,3	89,4	97,3	79,5	90,4	95,2	93,6	96,7

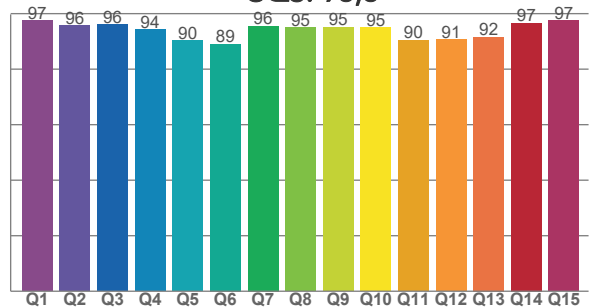
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,5	95,7	96,0	94,3	90,3	89,1	95,5	94,9	95,1	94,9	90,4	90,7	91,6	96,7	97,4

CQS: 93,3



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3255 K	93,6	89,4	93,6	104,0	93,3	88	0,424	0,406	0,0027

TM30 DETAILS

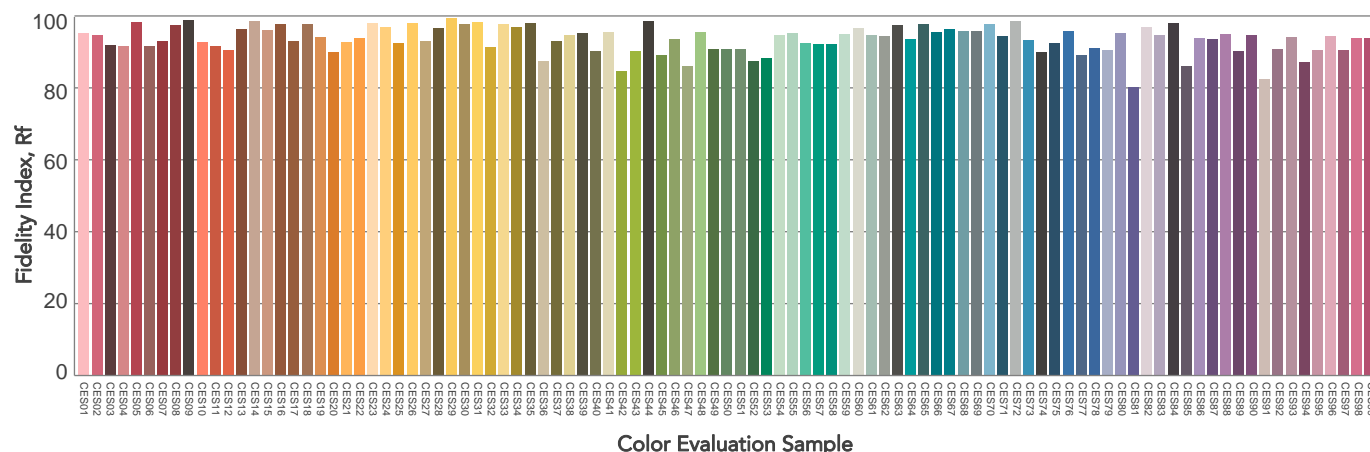
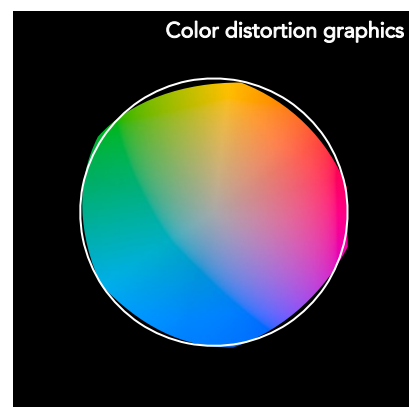
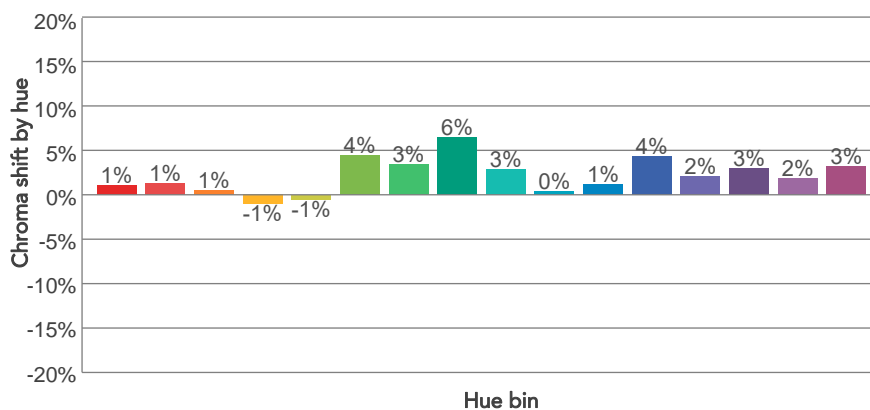
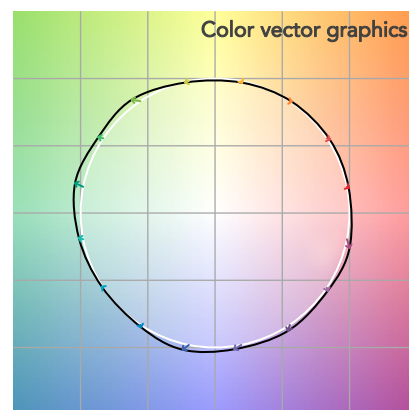
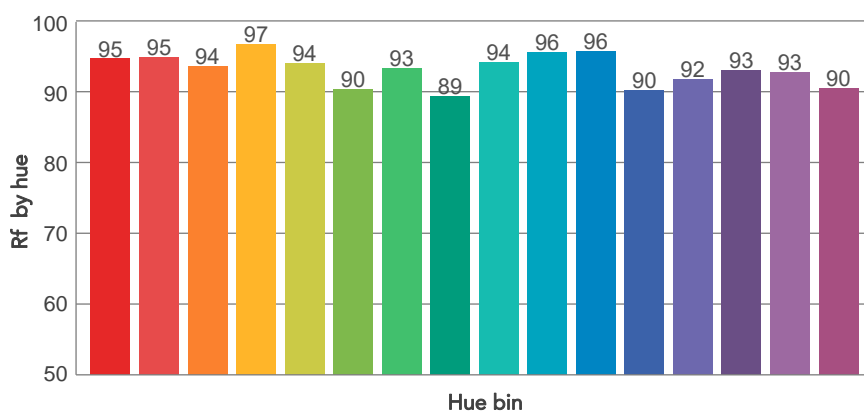
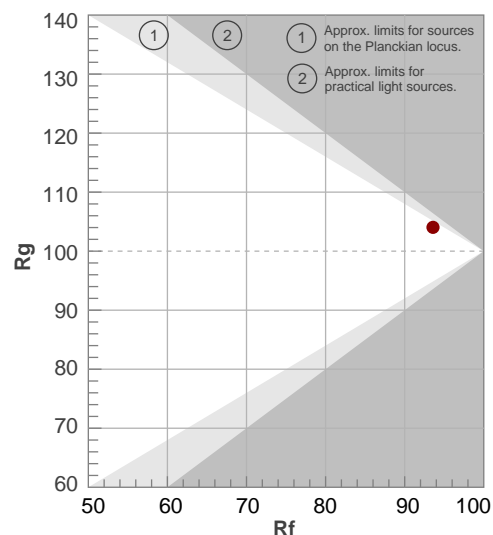
Rf 93,6

Fidelity index Rf

Rg 104,0

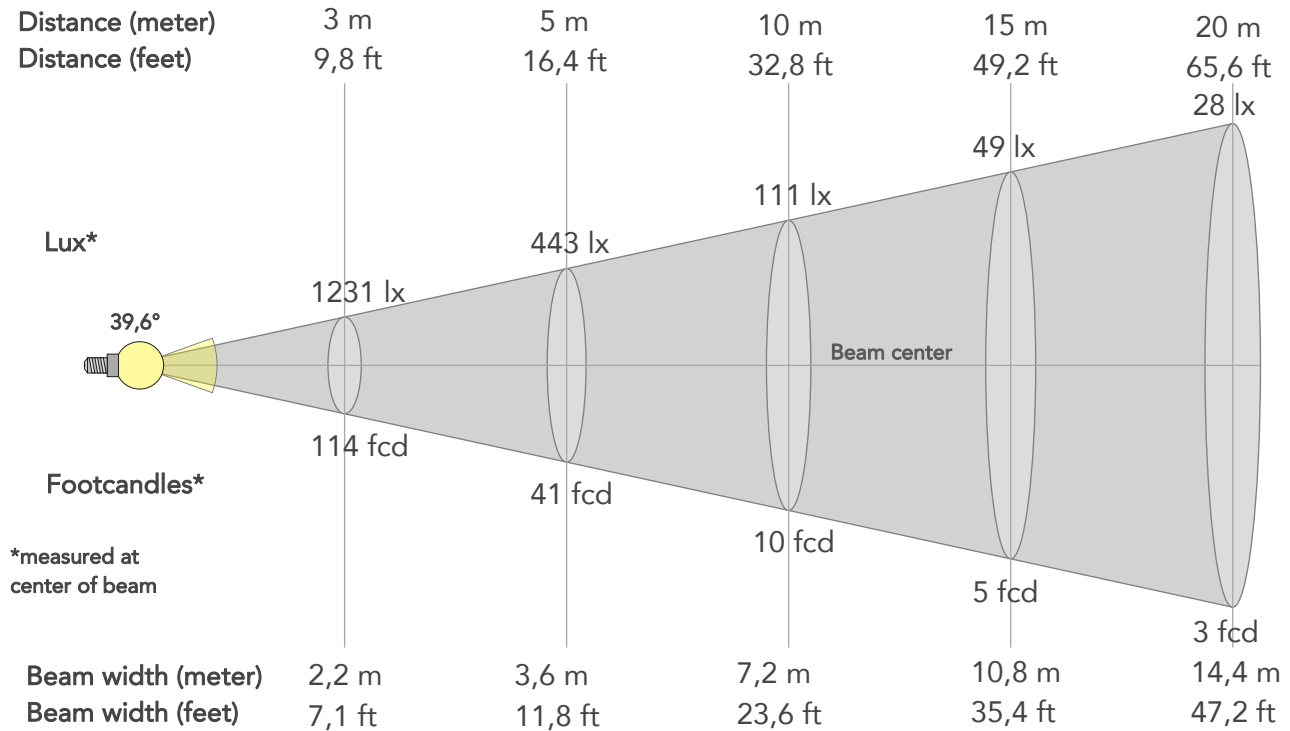
Gammut index

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



BEAM DETAILS

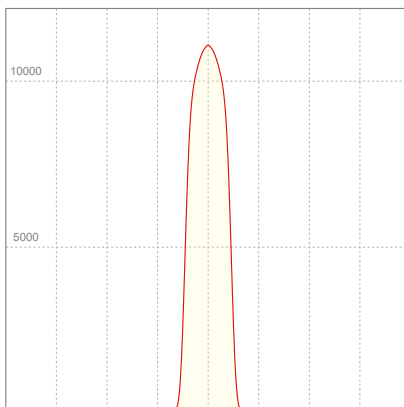
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,6°	49,1°	54,4°	99,1%	98,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	11081lx	2770lx	1231lx	693lx	443lx	197lx	111lx	49lx	28lx	18lx	12lx	7lx	4lx
Footcand.	1030fcd	257fcd	114fcd	64fcd	41fcd	18fcd	10fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,7m	1,4m	2,2m	2,9m	3,6m	5,4m	7,2m	10,8m	14,4m	18m	21,6m	28,8m	36m
Beam wid.	2,4ft	4,8ft	7,1ft	9,4ft	11,8ft	17,7ft	23,6ft	35,4ft	47,2ft	59ft	70,8ft	94,4ft	118,1ft

LINEAR DISTRIBUTION DIAGRAM

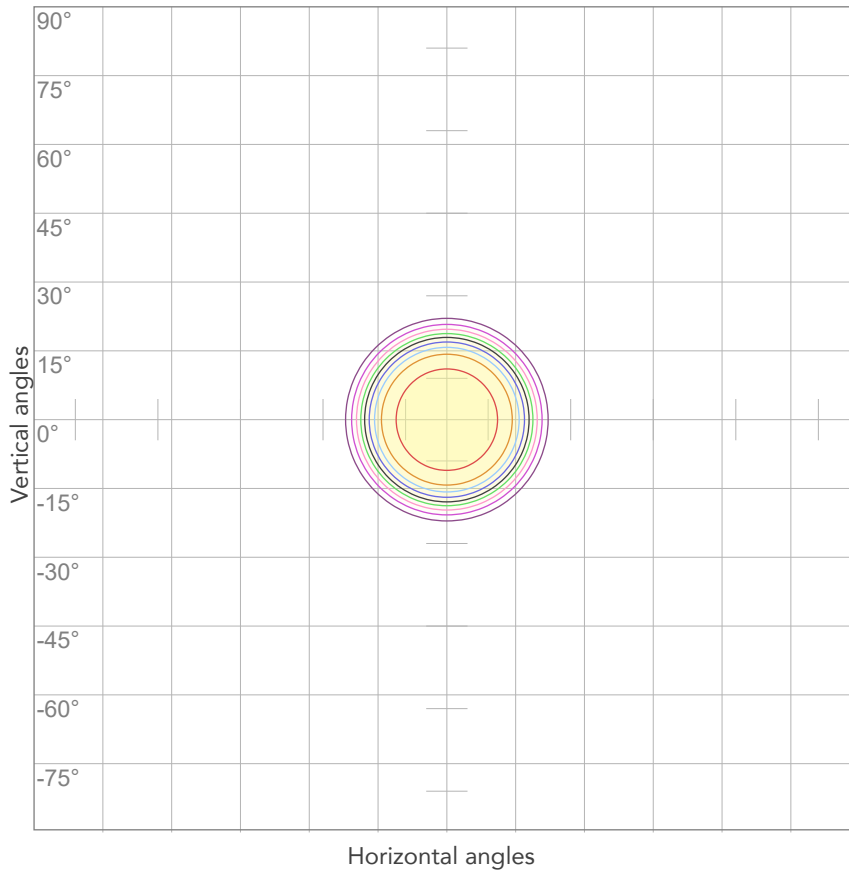


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,886A	196,9W	0,98	21lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



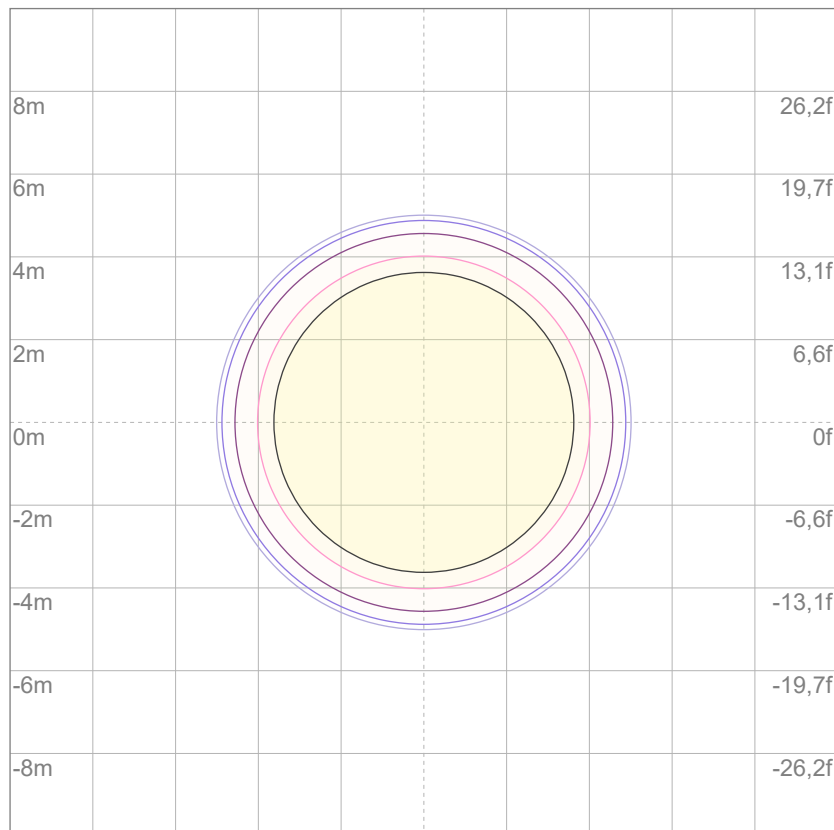
10%	1108 cd
20%	2216 cd
30%	3324 cd
40%	4433 cd
50%	5541 cd
60%	6649 cd
70%	7757 cd
80%	8865 cd

Conditions:

Number of c-planes: 2

Candela at center: 11081 cd

ISO LUX DIAGRAM



3%	3,32 lx
5%	5,54 lx
10%	11,1 lx
30%	33,2 lx
50%	55,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 111 lx

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



Total lumen output:

2997 lm

Peak candela output:

27037 cd

Light quality:

CRI: 93,6

Color temperature:

3246 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

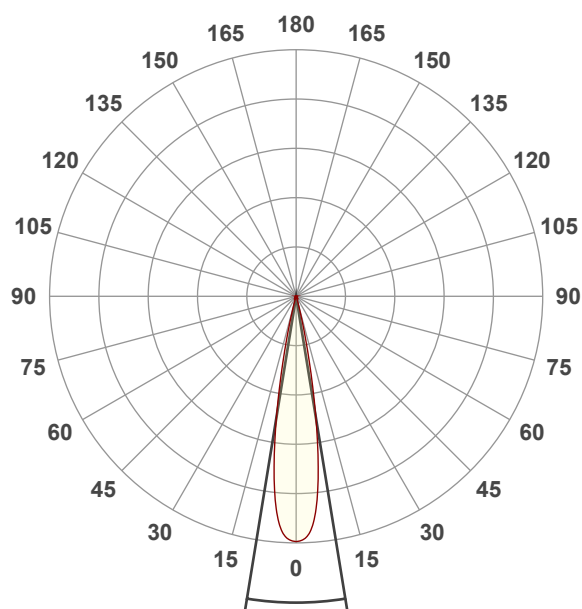
3200K- HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 16:20:28

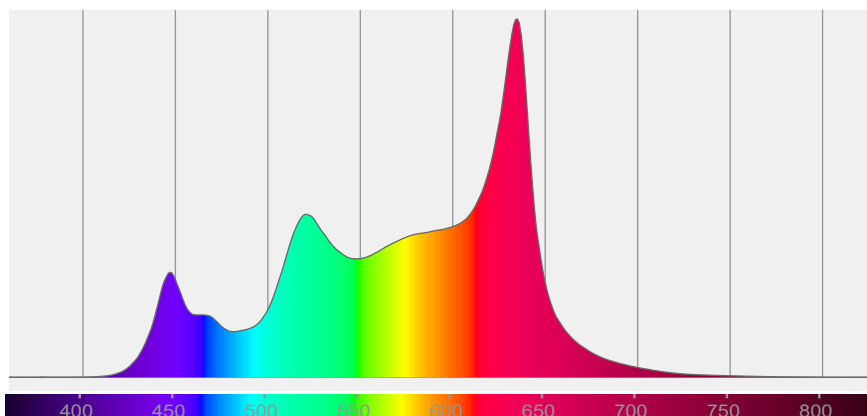


Beam angle 50%: 18,5°

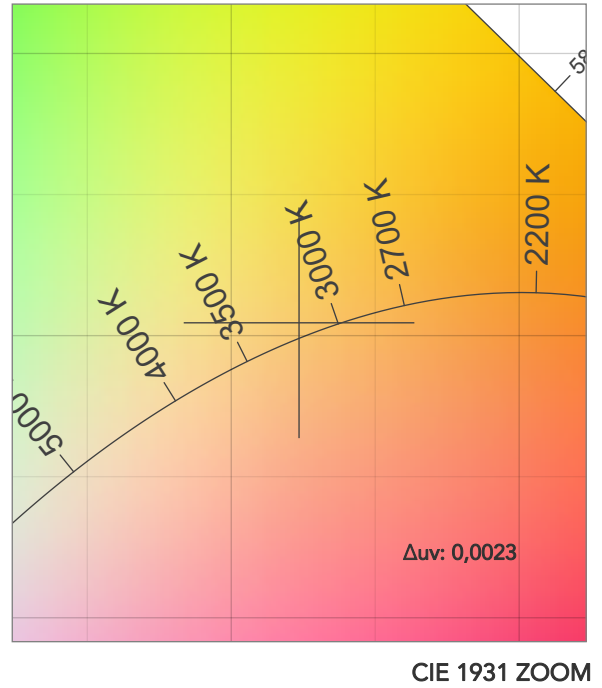
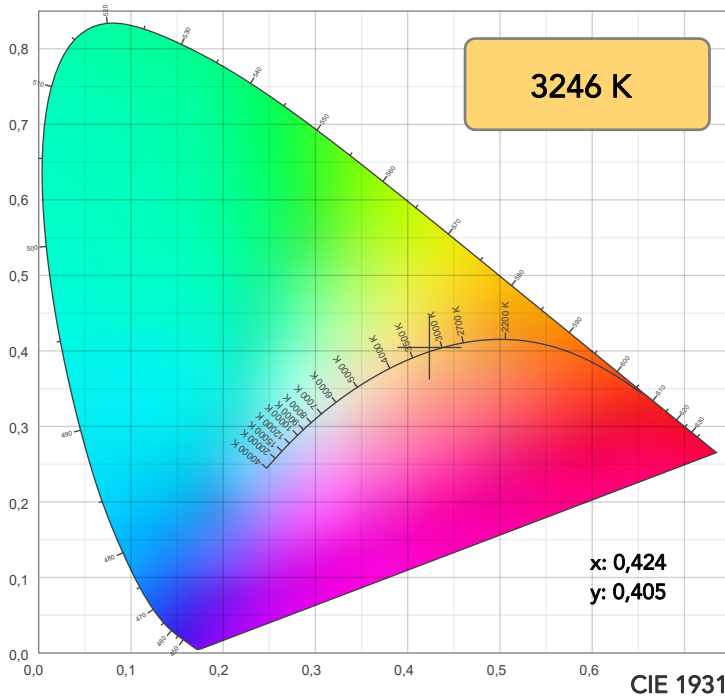
Field angle 10%: 27,5°

Cut off angle 2.5%: 32,2°

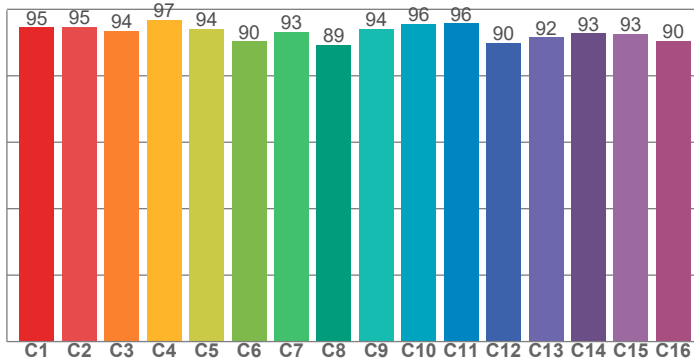
Spectra



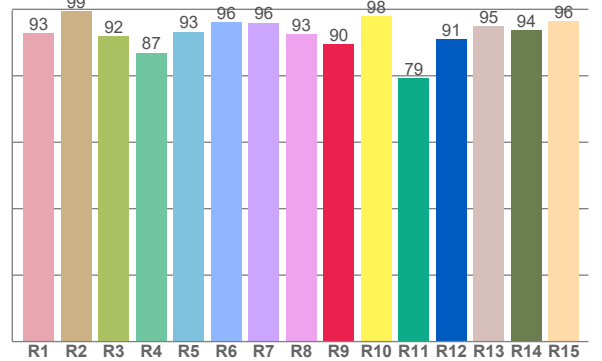
COLOR DETAILS



TM30: 93,5



CRI: 93,6 (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
92,7	99,4	91,9	87,0	93,3	96,0	95,9	92,5	89,6	97,9	79,3	91,0	94,9	93,8	96,5

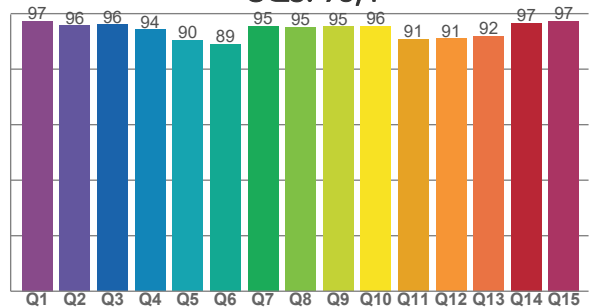
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,3	95,6	96,0	94,3	90,4	89,1	95,5	95,1	95,3	95,6	90,8	91,0	91,8	96,5	97,3

CQS: 93,4



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3246 K	93,6	89,6	93,5	104,1	93,4	88	0,424	0,405	0,0023

TM30 DETAILS

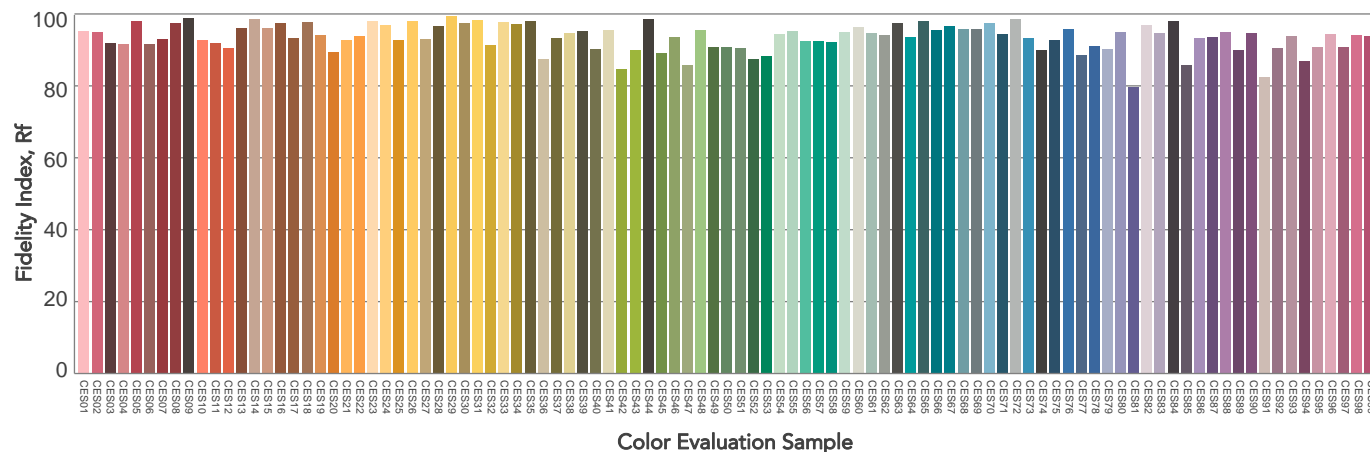
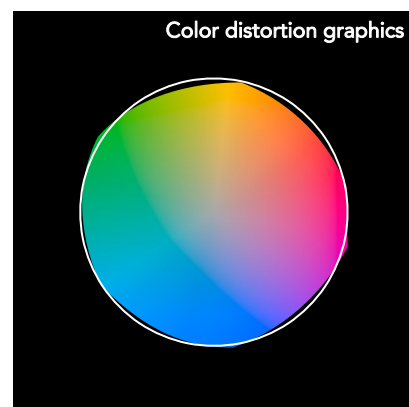
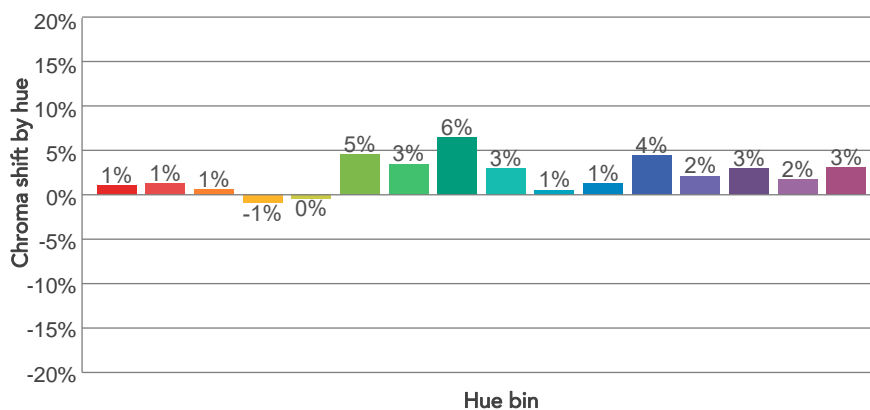
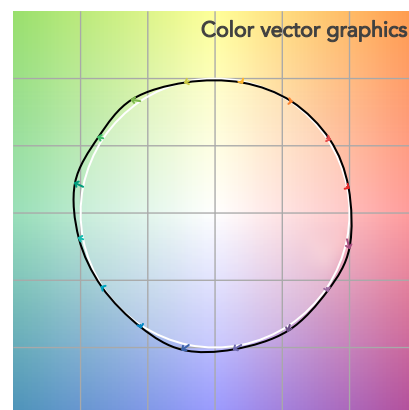
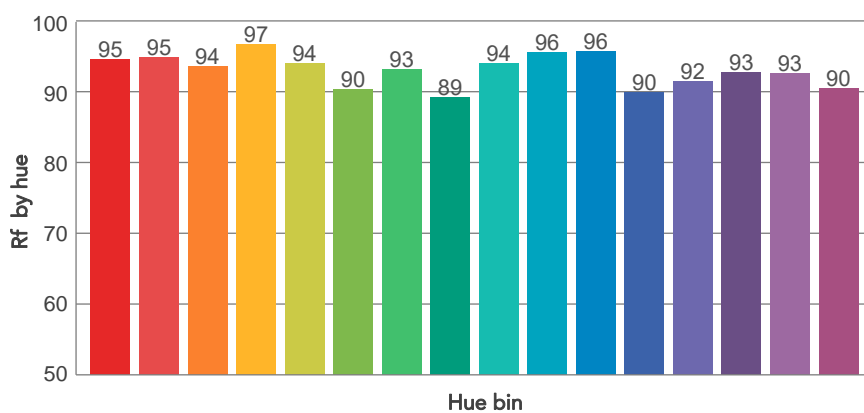
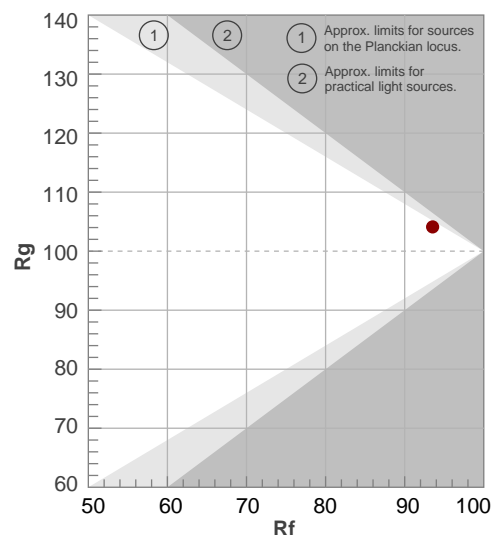
Rf 93,5

Fidelity index Rf

Rg 104,1

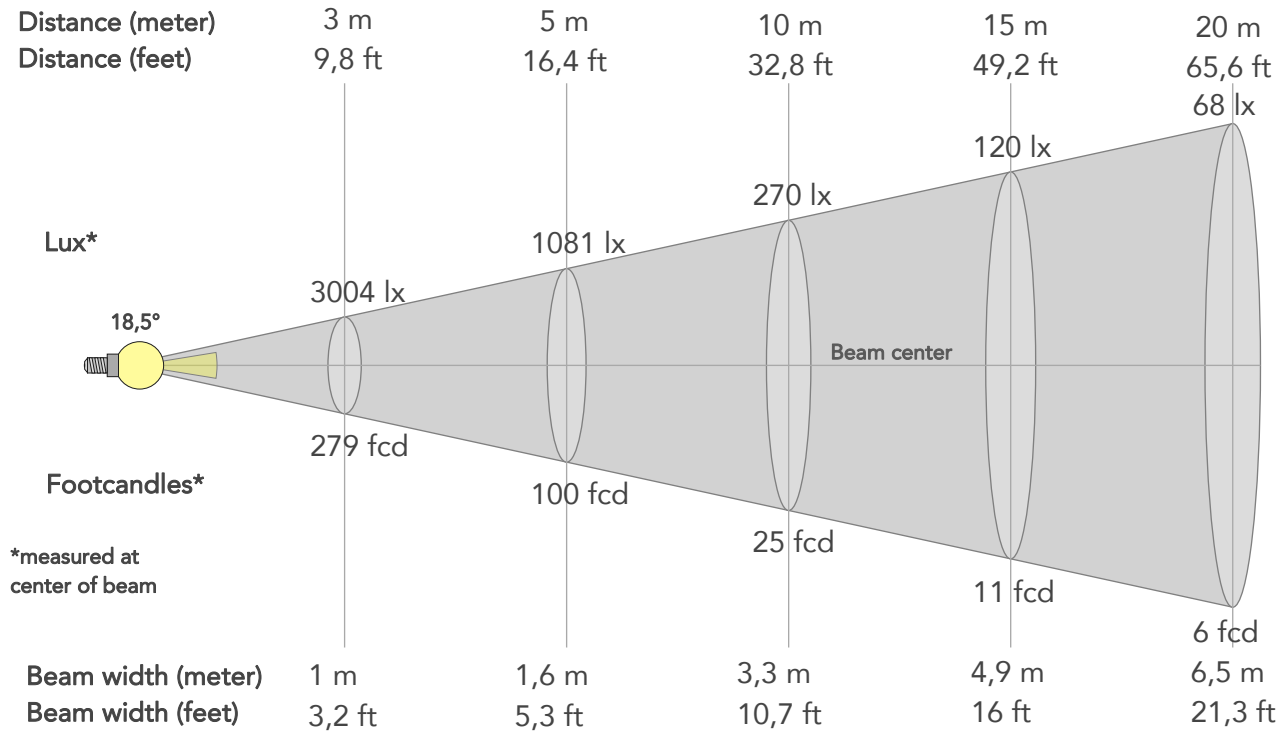
Gammut index

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



BEAM DETAILS

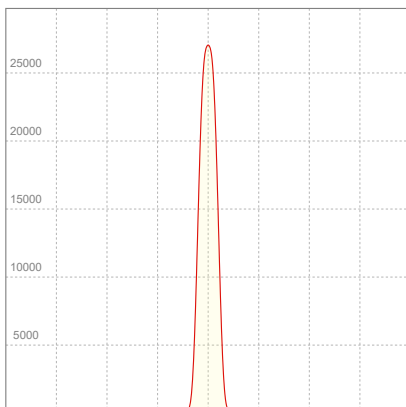
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,5°	27,5°	32,2°	98,8%	97,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	27037lx	6759lx	3004lx	1690lx	1081lx	481lx	270lx	120lx	68lx	43lx	30lx	17lx	11lx
Footcand.	2512fcd	628fcd	279fcd	157fcd	100fcd	45fcd	25fcd	11fcd	6fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,6m	2,4m	3,3m	4,9m	6,5m	8,1m	9,8m	13m	16,3m
Beam wid.	1,1ft	2,1ft	3,2ft	4,3ft	5,3ft	8ft	10,7ft	16ft	21,3ft	26,7ft	32ft	42,7ft	53,4ft

LINEAR DISTRIBUTION DIAGRAM

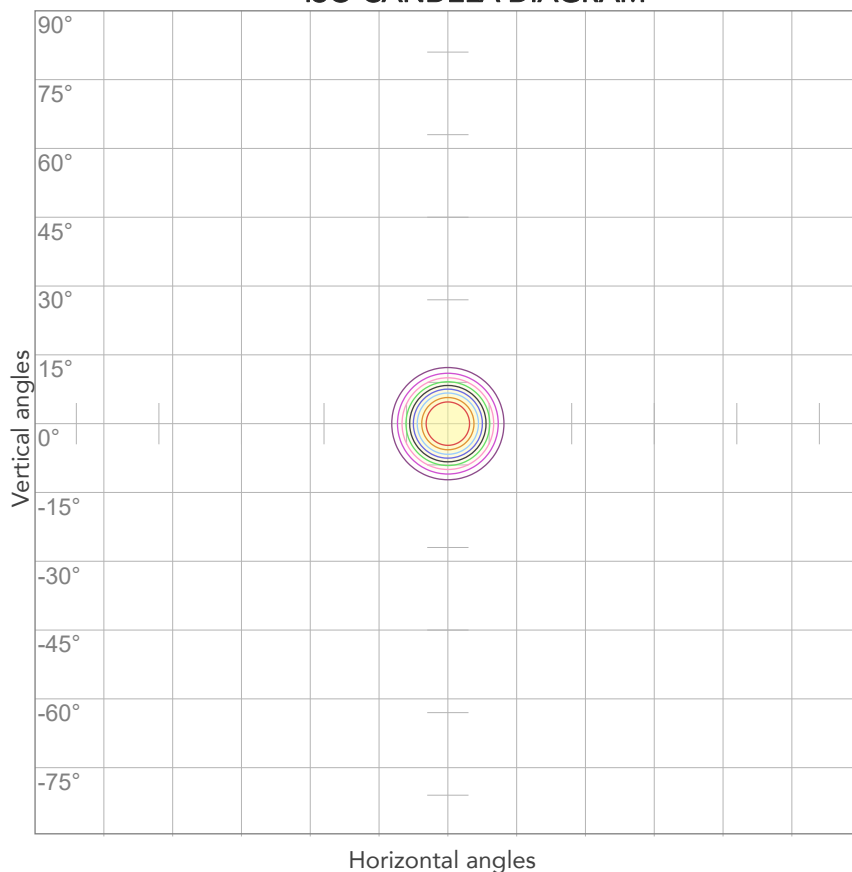


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,885A	197,2W	0,99	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



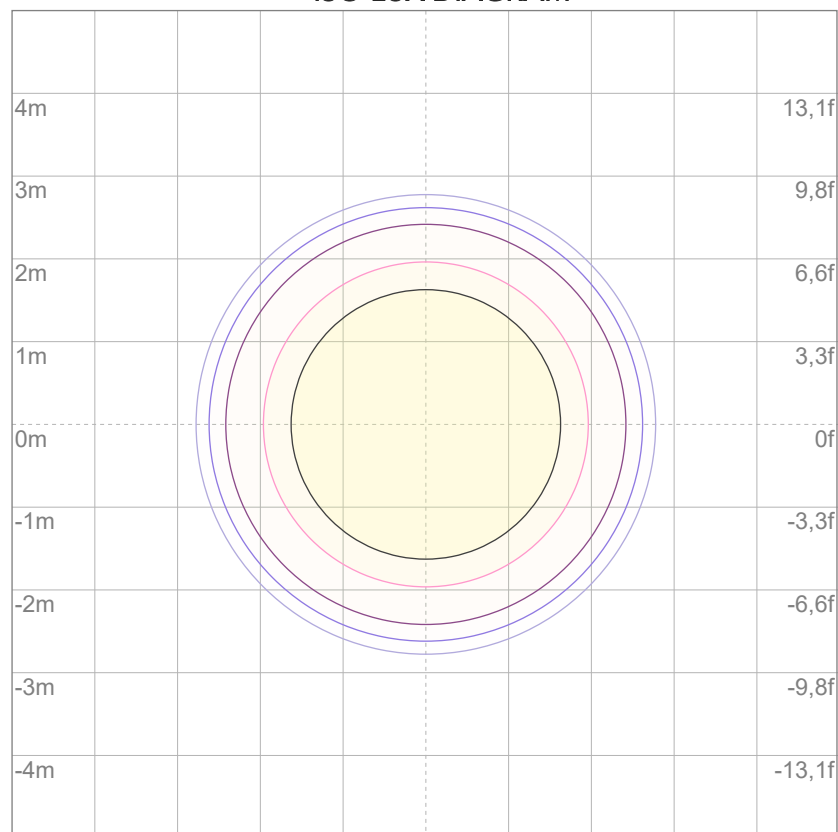
10%	2704 cd
20%	5407 cd
30%	8111 cd
40%	10815 cd
50%	13519 cd
60%	16222 cd
70%	18926 cd
80%	21630 cd

Conditions:

Number of c-planes: 2

Candela at center: 27037 cd

ISO LUX DIAGRAM



3%	8,11 lx
5%	13,5 lx
10%	27,0 lx
30%	81,1 lx
50%	135 lx

Conditions:

Number of c-planes: 2

Lux at center: 270 lx

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



Total lumen output:

5383 lm

Peak candela output:

6092 cd

Light quality:

CRI: 96,6

Color temperature:

4090 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

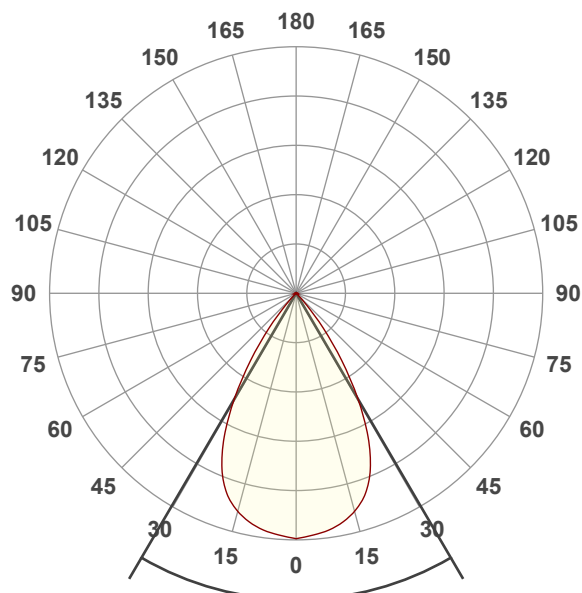
4000K- HB - RAW Mode

Operator:

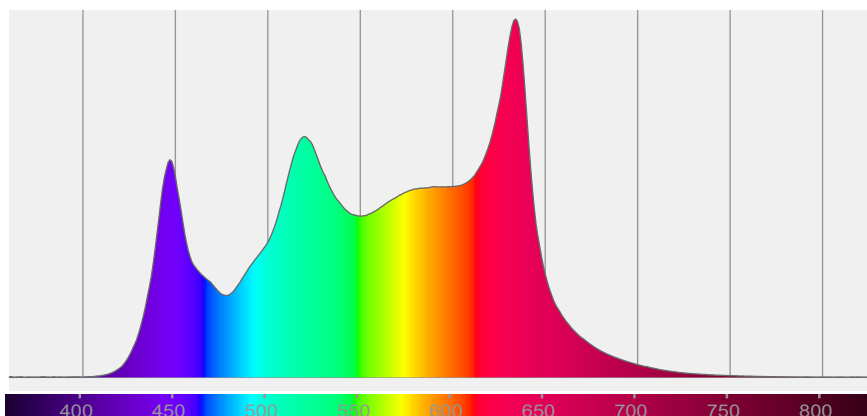
Salvatore Giglio

Date and time:

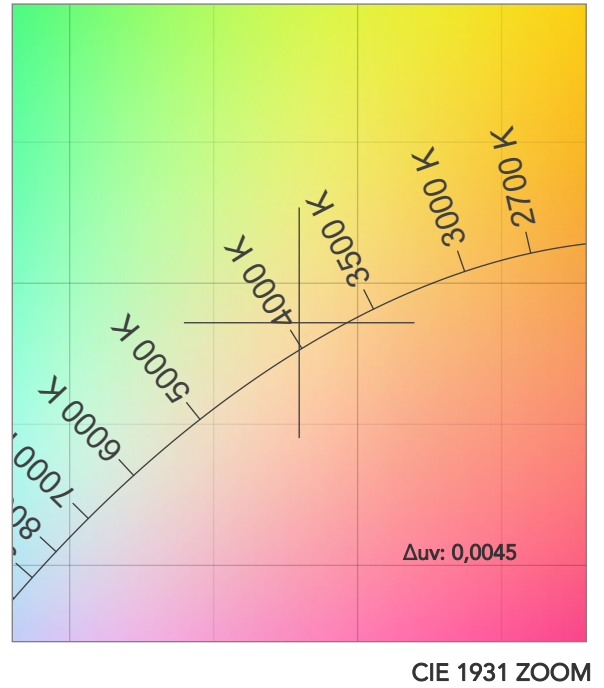
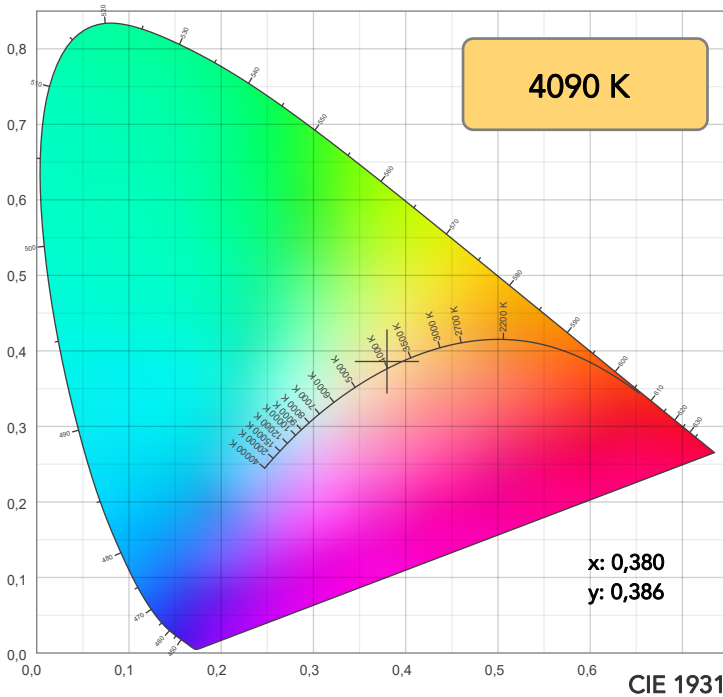
30/05/2024 17:24:40



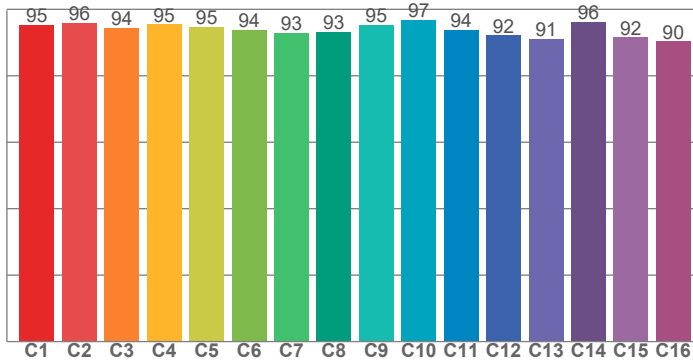
Spectra



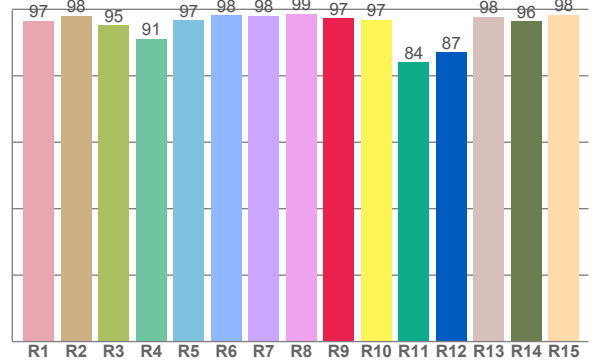
COLOR DETAILS



TM30: 94,1



CRI: 96,6 (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
96,6	98,1	95,2	91,1	96,7	98,1	98,0	98,7	97,4	96,8	84,0	87,0	97,8	96,4	98,4

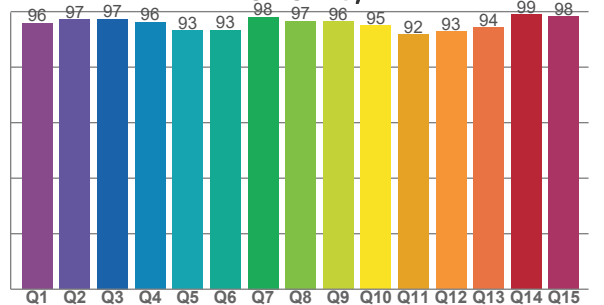
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,8	97,1	97,4	96,2	93,2	93,3	98,0	96,7	96,4	95,0	91,7	92,8	94,3	98,9	98,2

CQS: 95,2



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4090 K	96,6	97,4	94,1	102,2	95,2	88	0,380	0,386	0,0045

TM30 DETAILS

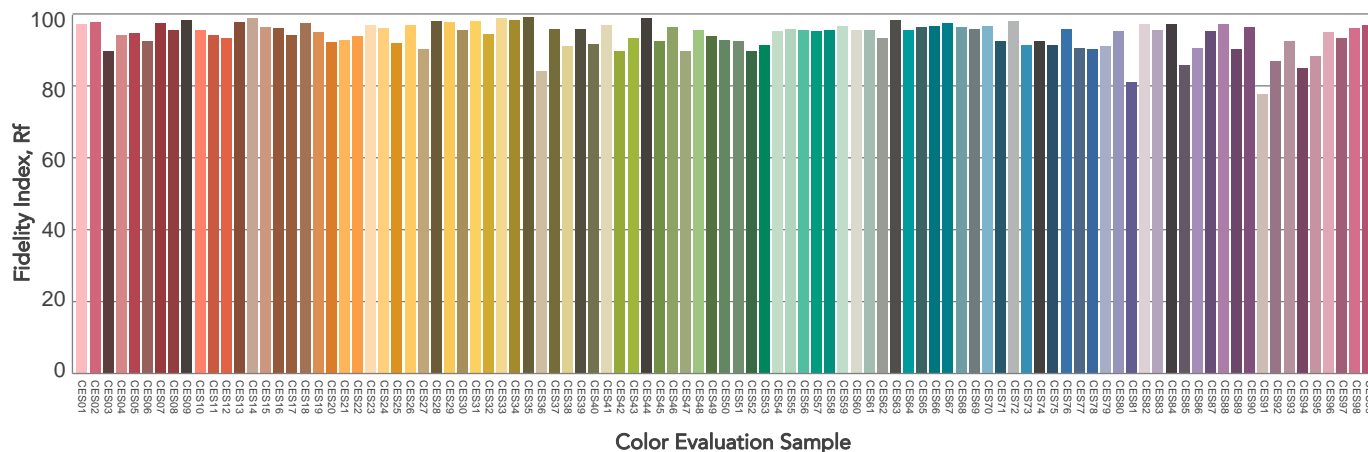
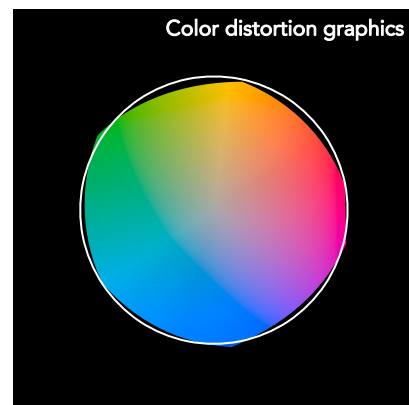
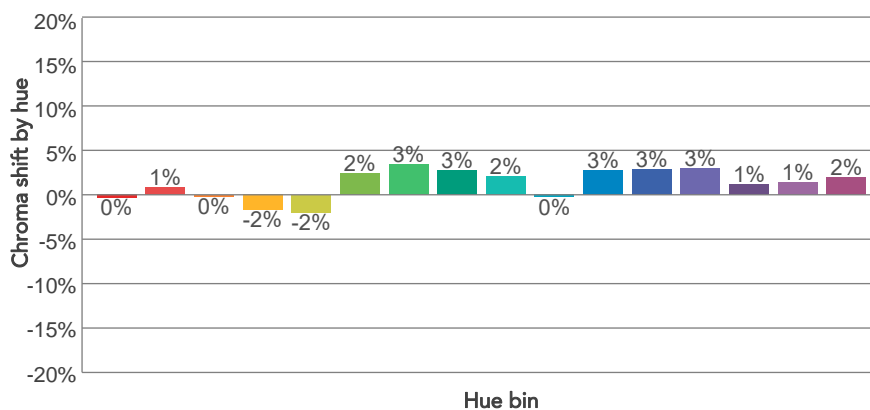
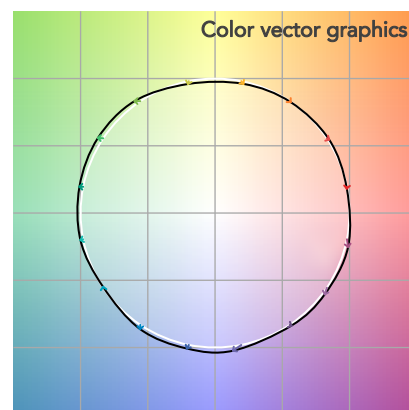
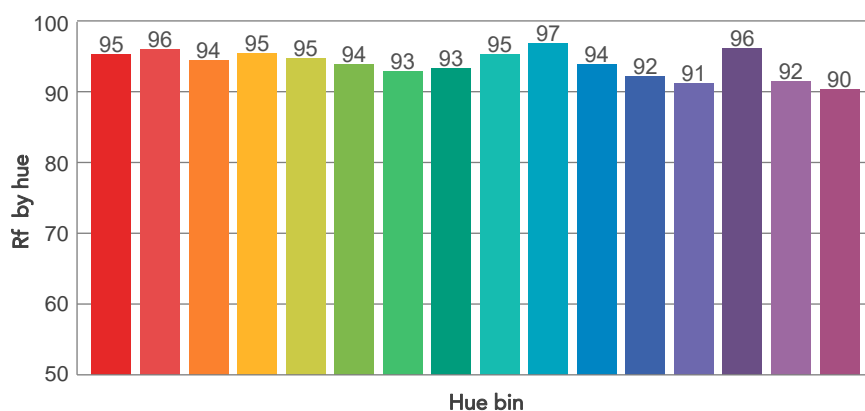
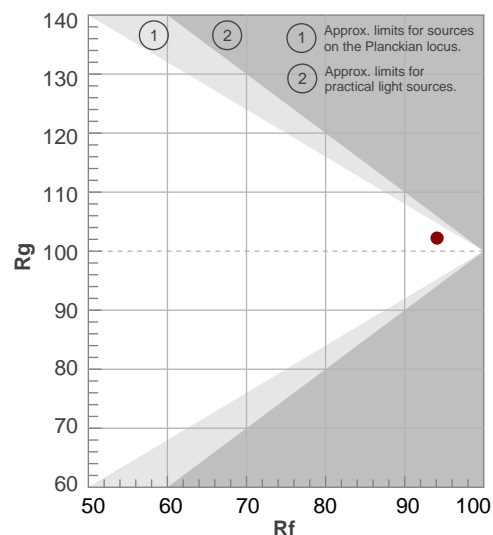
Rf 94,1

Fidelity index Rf

Rg 102,2

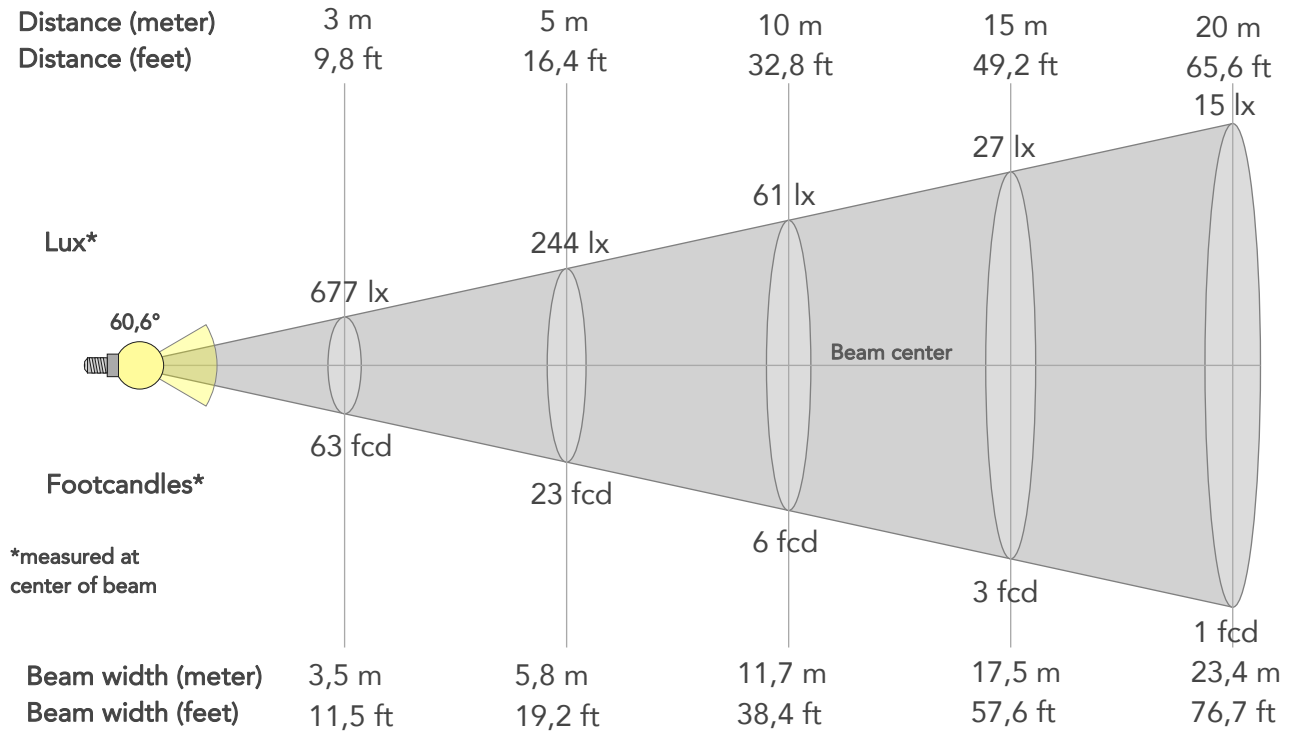
Gammut index

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



BEAM DETAILS

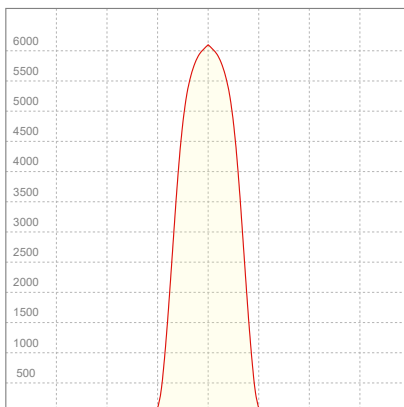
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
60,6°	81°	88,7°	99,4%	99,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6092lx	1523lx	677lx	381lx	244lx	108lx	61lx	27lx	15lx	10lx	7lx	4lx	2lx
Footcand.	566fcd	141fcd	63fcd	35fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,2m	2,3m	3,5m	4,7m	5,8m	8,8m	11,7m	17,5m	23,4m	29,2m	35,1m	46,8m	58,5m
Beam wid.	3,9ft	7,7ft	11,5ft	15,3ft	19,2ft	28,8ft	38,4ft	57,6ft	76,7ft	95,9ft	115,1ft	153,5ft	191,8ft

LINEAR DISTRIBUTION DIAGRAM

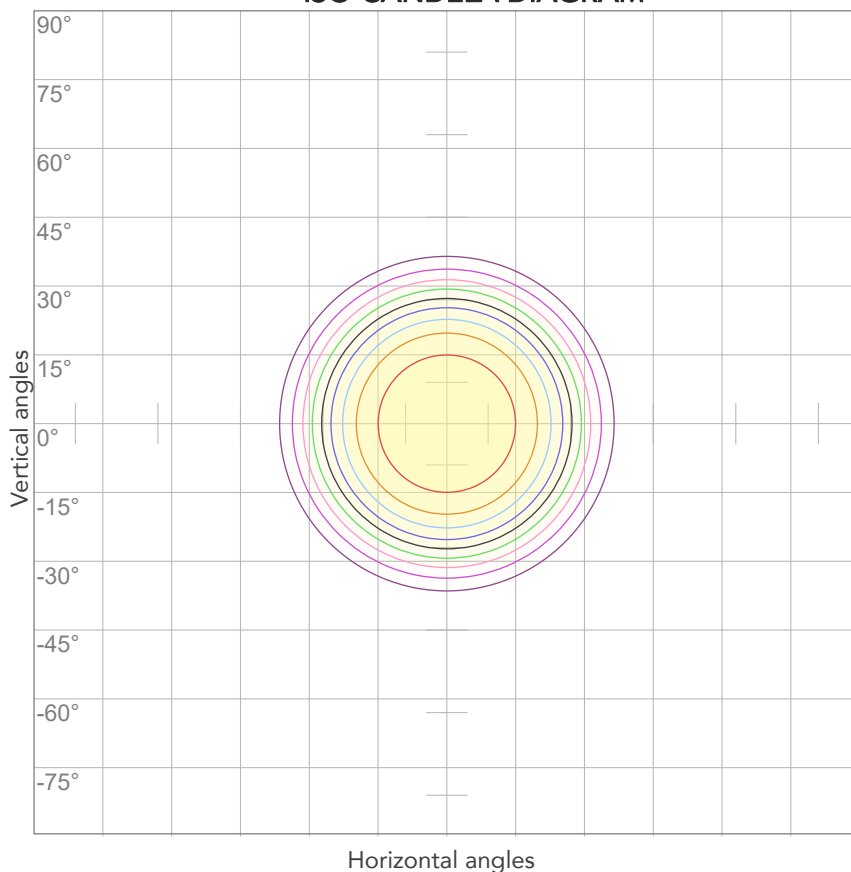


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,885A	197,7W	0,99	27lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



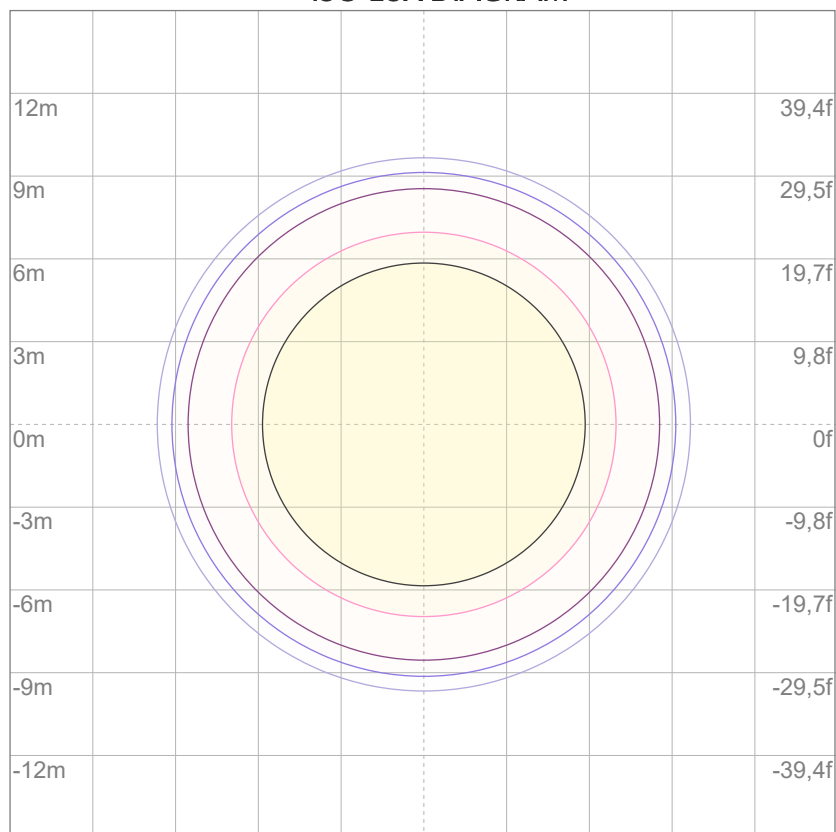
10%	609 cd
20%	1218 cd
30%	1827 cd
40%	2437 cd
50%	3046 cd
60%	3655 cd
70%	4264 cd
80%	4873 cd

Conditions:

Number of c-planes: 2

Candela at center: 6092 cd

ISO LUX DIAGRAM



3%	1,83 lx
5%	3,05 lx
10%	6,09 lx
30%	18,3 lx
50%	30,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 60,9 lx

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



Total lumen output:

4107 lm

Peak candela output:

10845 cd

Light quality:

CRI: 96,4

Color temperature:

4081 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

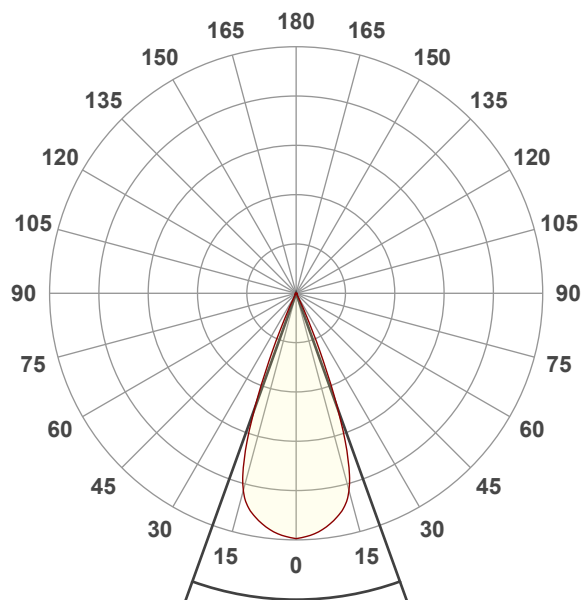
3200K- HB

Operator:

Salvatore Giglio

Date and time:

30/05/2024 17:34:01

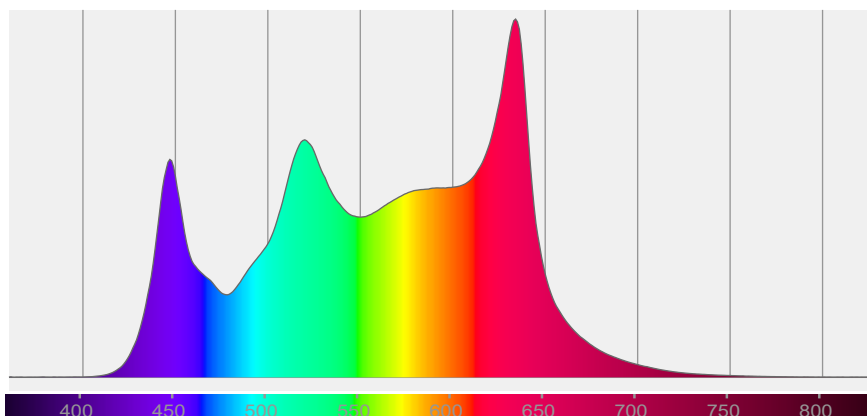


Beam angle 50%: 39,6°

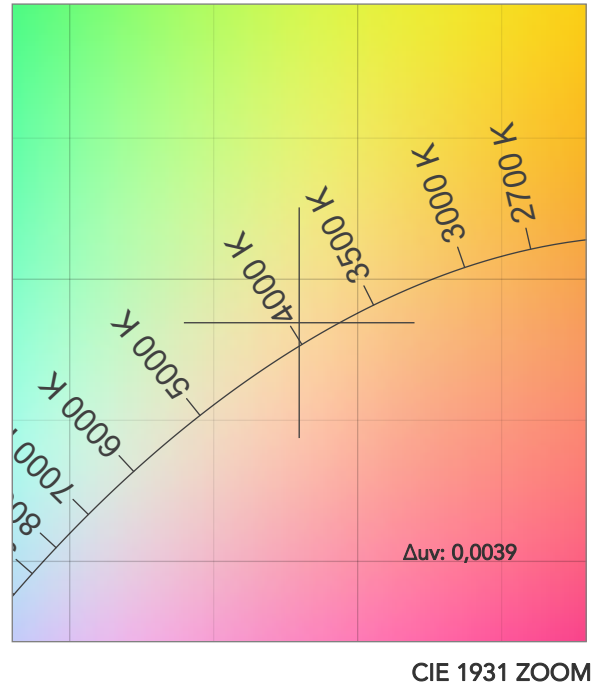
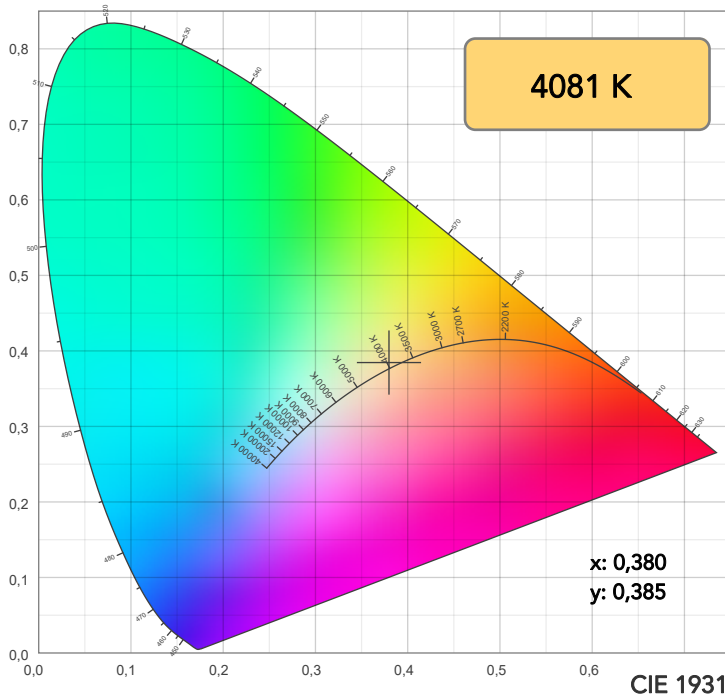
Field angle 10%: 49,2°

Cut off angle 2.5%: 54,4°

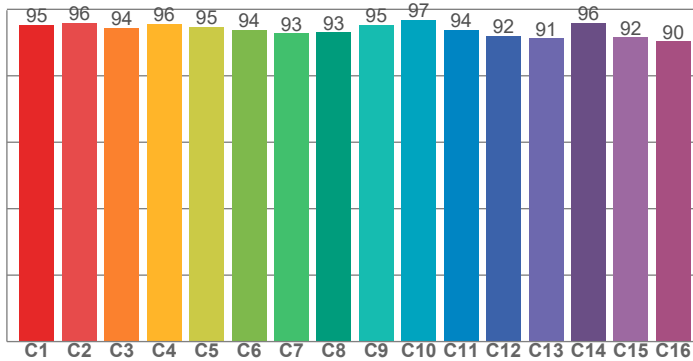
Spectra



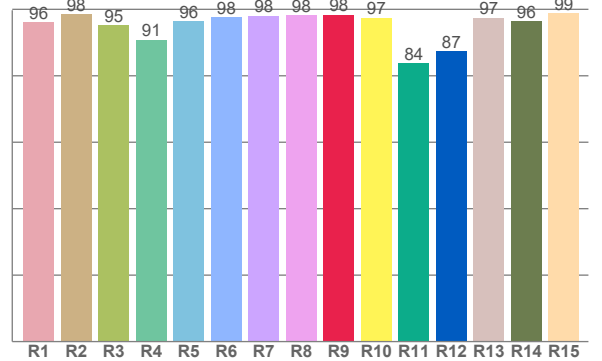
COLOR DETAILS



TM30: 94,1



CRI: 96,4 (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
96,1	98,5	95,2	90,9	96,4	97,7	98,0	98,3	98,4	97,5	83,7	87,4	97,4	96,3	98,9

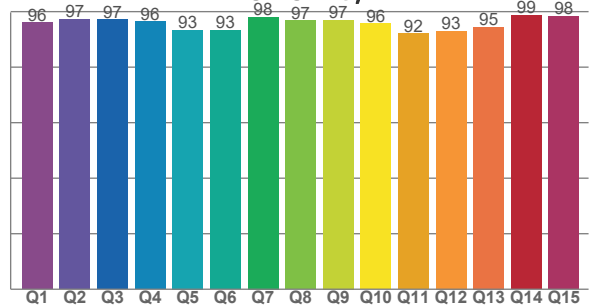
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,0	97,2	97,2	96,4	93,3	93,3	98,1	96,7	96,9	95,7	92,2	93,1	94,5	98,7	98,3

CQS: 95,4



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4081 K	96,4	98,4	94,1	102,4	95,4	88	0,380	0,385	0,0039

TM30 DETAILS

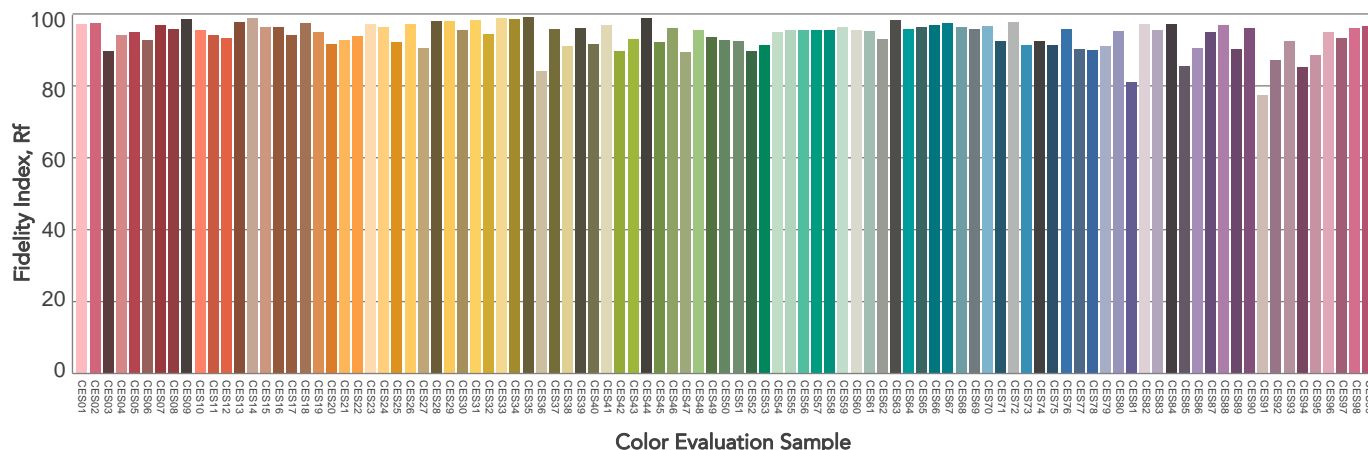
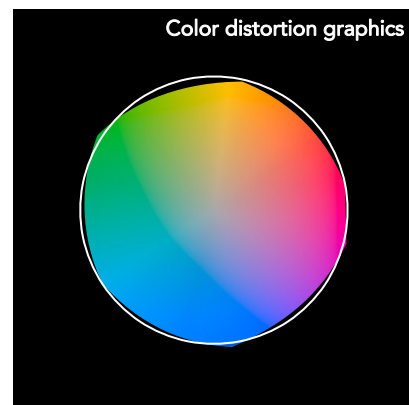
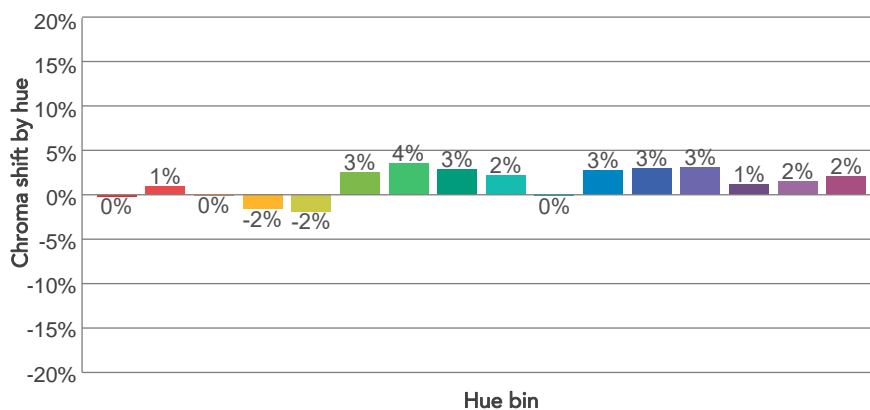
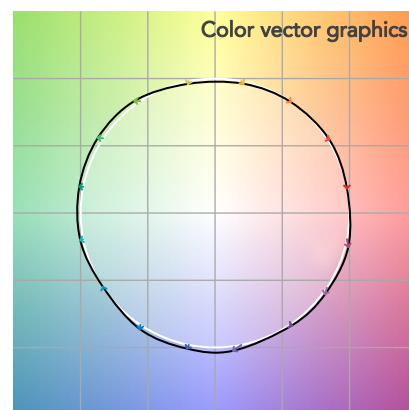
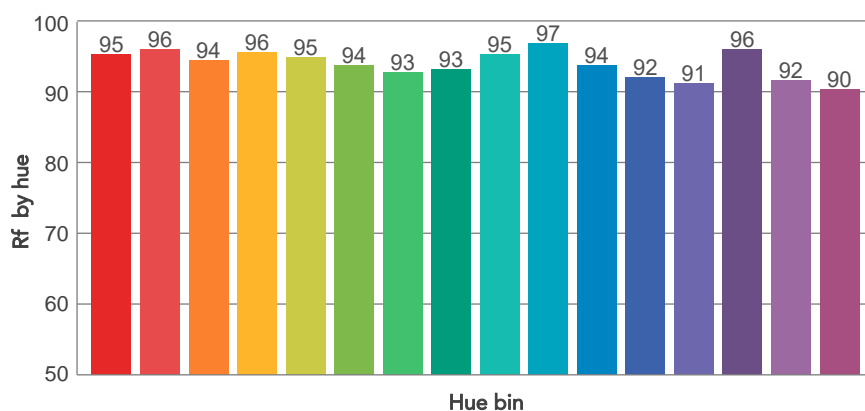
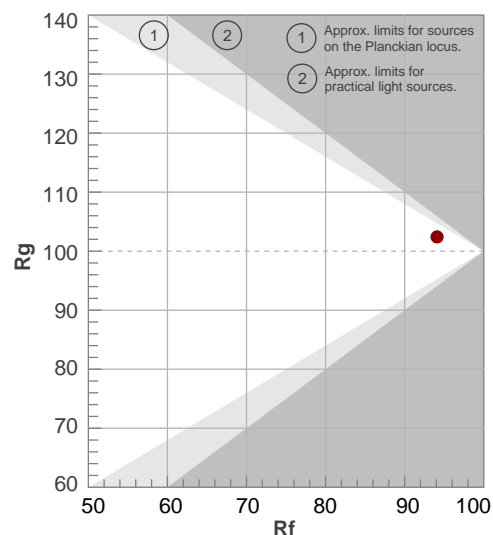
Rf 94,1

Fidelity index Rf

Rg 102,4

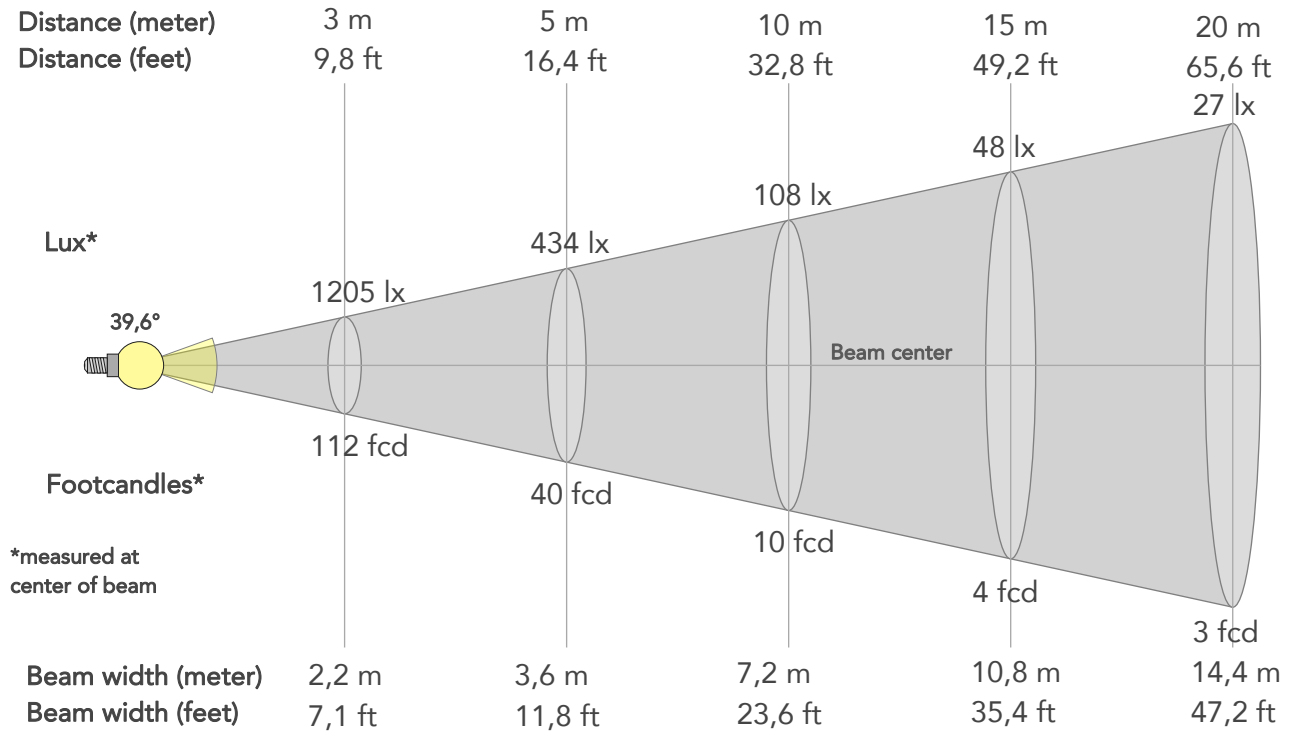
Gammut index

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



BEAM DETAILS

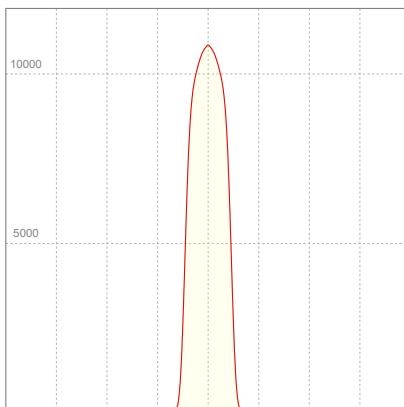
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,6°	49,2°	54,4°	99,1%	98,0%



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	10845lx	2711lx	1205lx	678lx	434lx	193lx	108lx	48lx	27lx	17lx	12lx	7lx	4lx
Footcand.	1008fcd	252fcd	112fcd	63fcd	40fcd	18fcd	10fcd	4fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,7m	1,4m	2,2m	2,9m	3,6m	5,4m	7,2m	10,8m	14,4m	18m	21,6m	28,8m	36m
Beam wid.	2,4ft	4,8ft	7,1ft	9,4ft	11,8ft	17,7ft	23,6ft	35,4ft	47,2ft	59,1ft	70,9ft	94,5ft	118,1ft

LINEAR DISTRIBUTION DIAGRAM

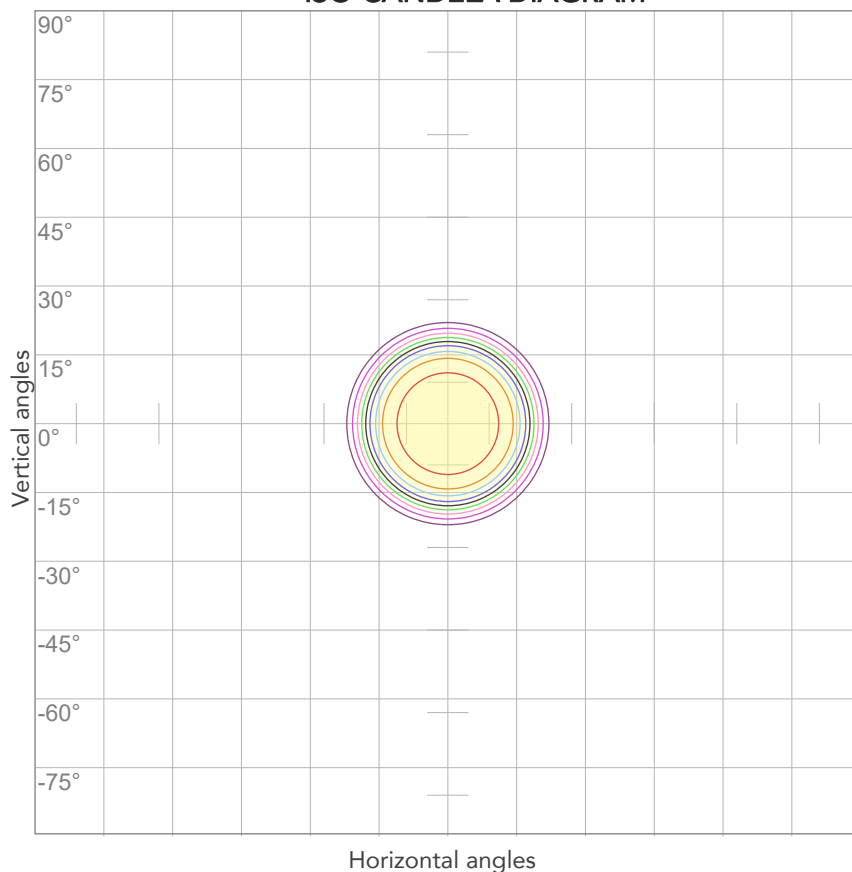


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,889A	197,6W	0,98	21lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



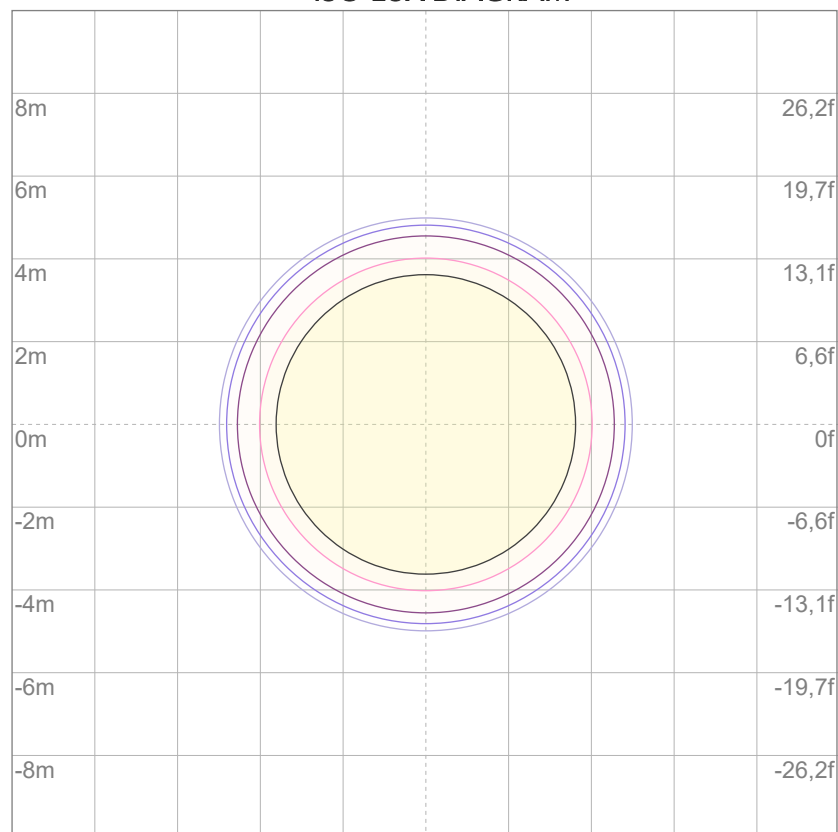
10%	1085 cd
20%	2169 cd
30%	3254 cd
40%	4338 cd
50%	5423 cd
60%	6507 cd
70%	7592 cd
80%	8676 cd

Conditions:

Number of c-planes: 2

Candela at center: 10845 cd

ISO LUX DIAGRAM



3%	3,25 lx
5%	5,42 lx
10%	10,8 lx
30%	32,5 lx
50%	54,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 108 lx

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



Total lumen output:

2924 lm

Peak candela output:

26417 cd

Light quality:

CRI: 96,3

Color temperature:

4066 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

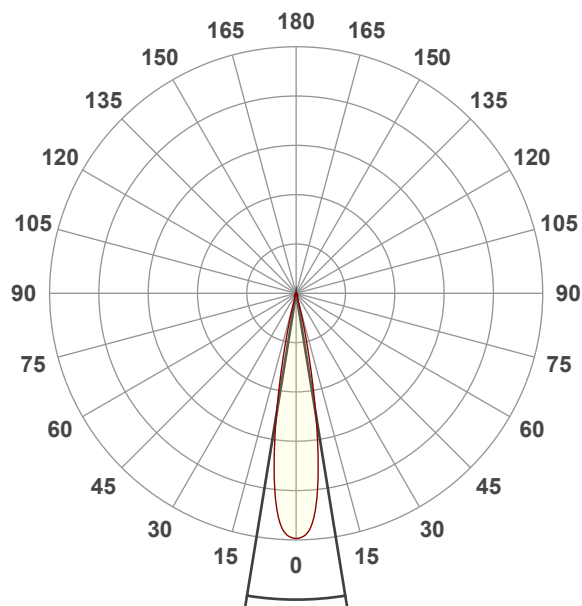
4000K- HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 16:25:44

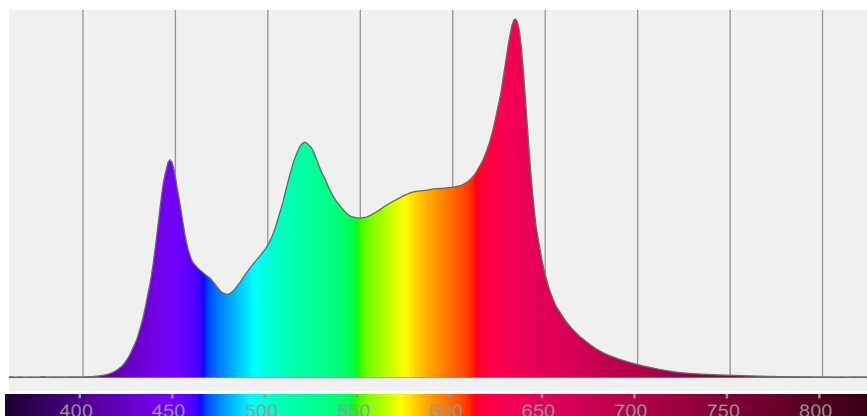


Beam angle 50%: 18,5°

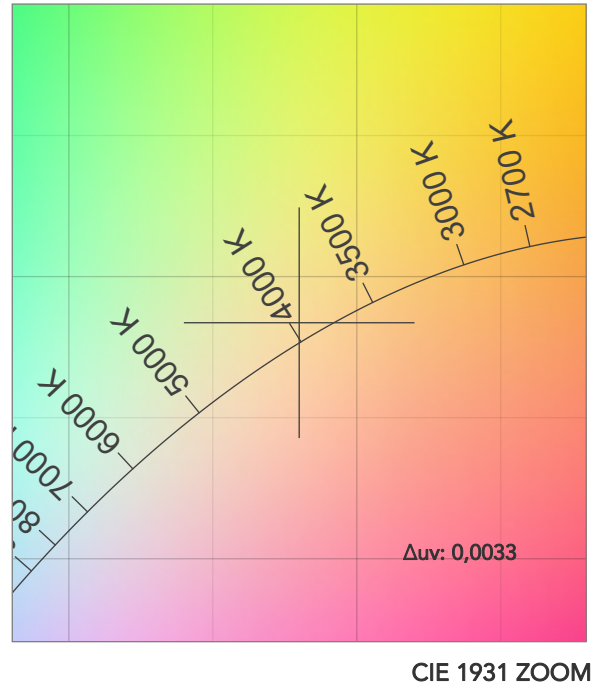
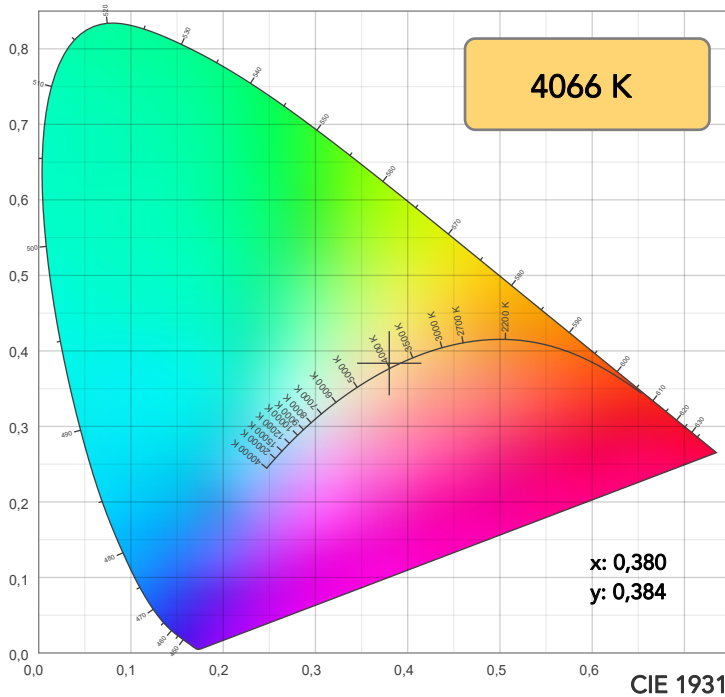
Field angle 10%: 27,5°

Cut off angle 2.5%: 32,2°

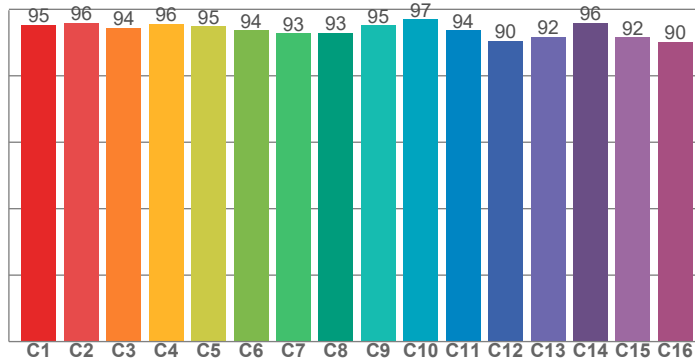
Spectra



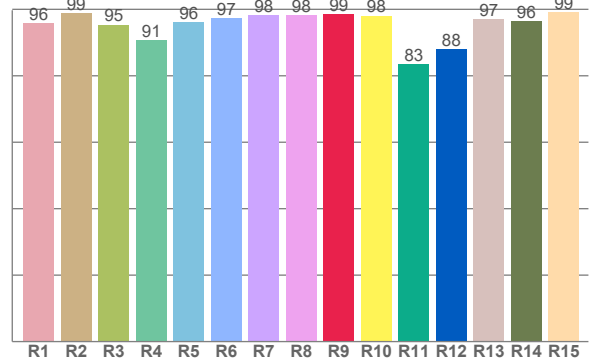
COLOR DETAILS



TM30: 94,1



CRI: 96,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,8	98,8	95,4	90,7	96,1	97,3	98,1	98,1	98,5	98,0	83,5	87,9	97,1	96,4	99,1

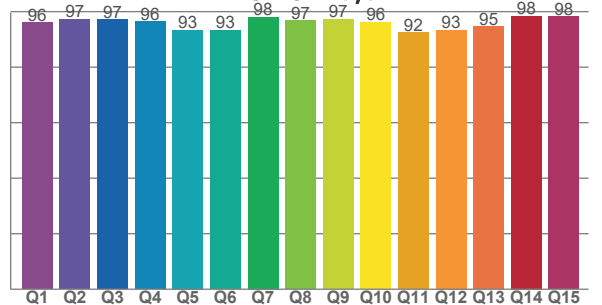
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,1	97,2	97,1	96,5	93,4	93,3	98,1	96,8	97,2	96,2	92,5	93,3	94,7	98,5	98,2

CQS: 95,5



COLOR PARAMETERS

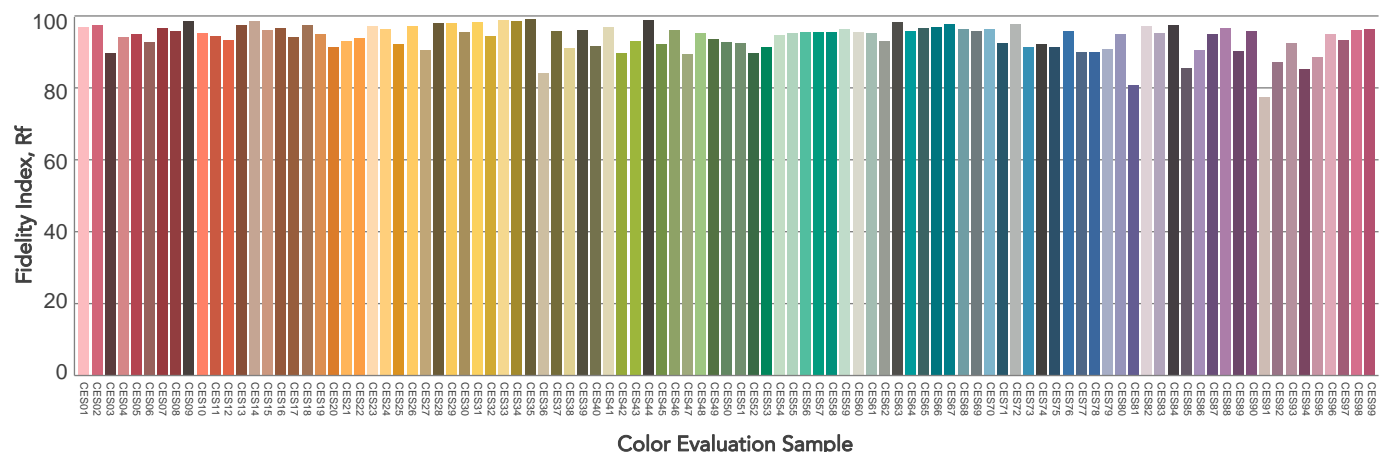
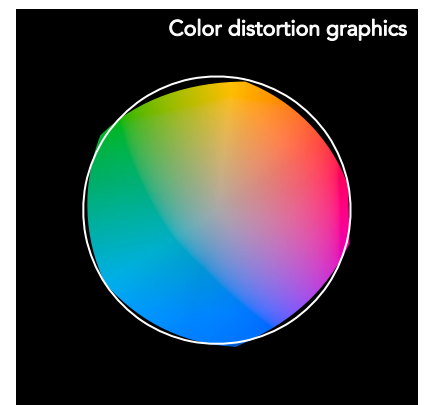
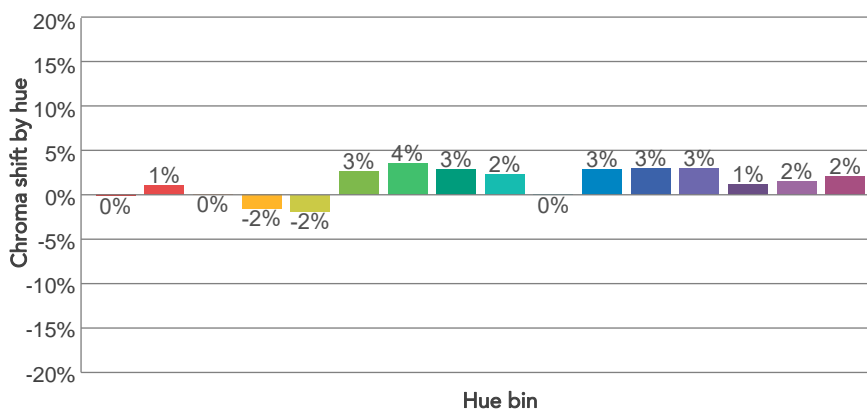
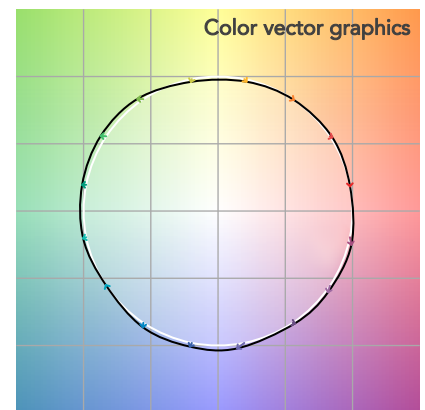
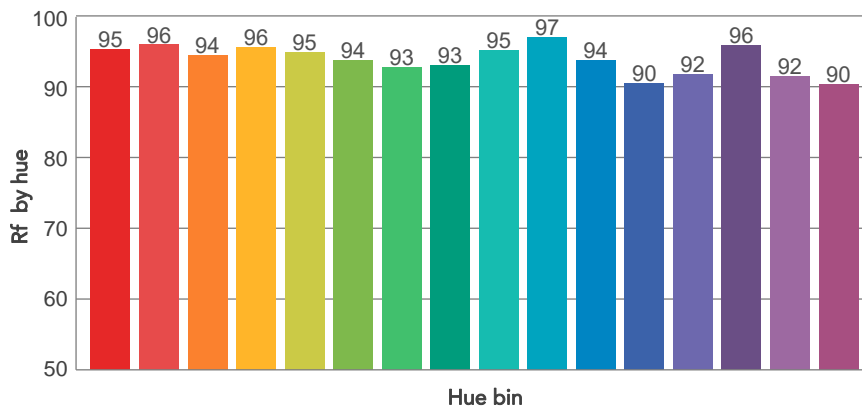
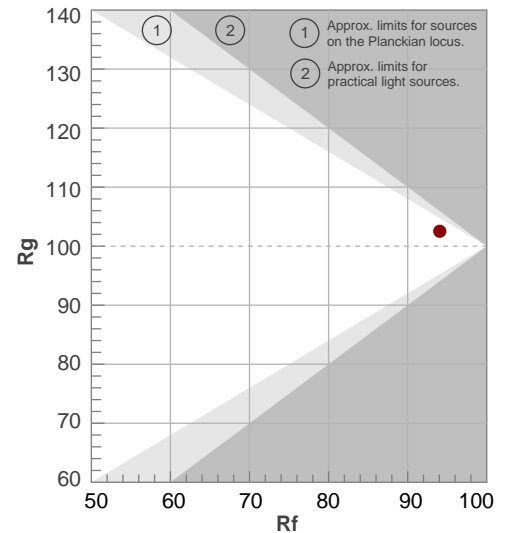
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4066 K	96,3	98,5	94,1	102,5	95,5	88	0,380	0,384	0,0033

TM30 DETAILS

Rf 94,1
Fidelity index Rf

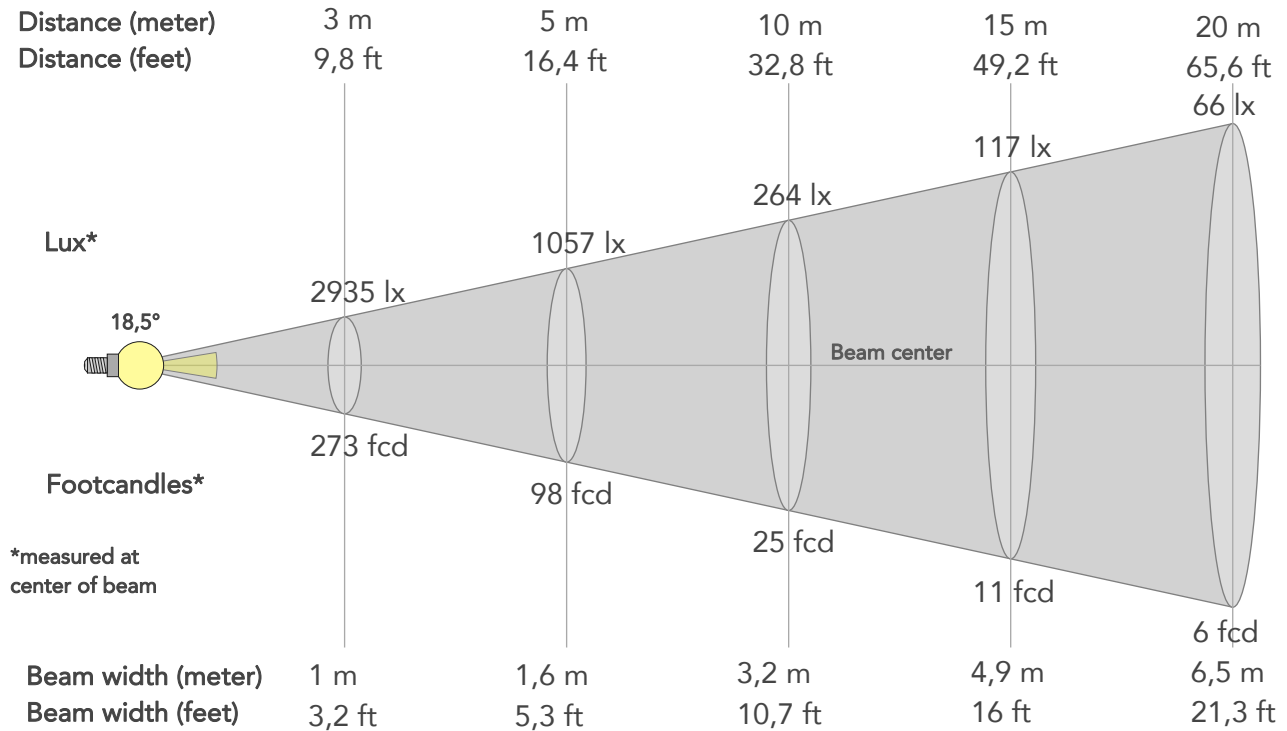
Rg 102,5
Gammut index

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



BEAM DETAILS

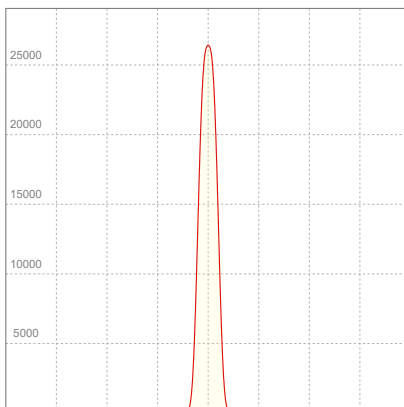
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,5°	27,5°	32,2°	98,8%	96,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	26417lx	6604lx	2935lx	1651lx	1057lx	470lx	264lx	117lx	66lx	42lx	29lx	17lx	11lx
Footcand.	2454fcd	614fcd	273fcd	153fcd	98fcd	44fcd	25fcd	11fcd	6fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,3m	0,6m	1m	1,3m	1,6m	2,4m	3,2m	4,9m	6,5m	8,1m	9,7m	13m	16,2m
Beam wid.	1,1ft	2,1ft	3,2ft	4,3ft	5,3ft	8ft	10,7ft	16ft	21,3ft	26,6ft	32ft	42,6ft	53,3ft

LINEAR DISTRIBUTION DIAGRAM

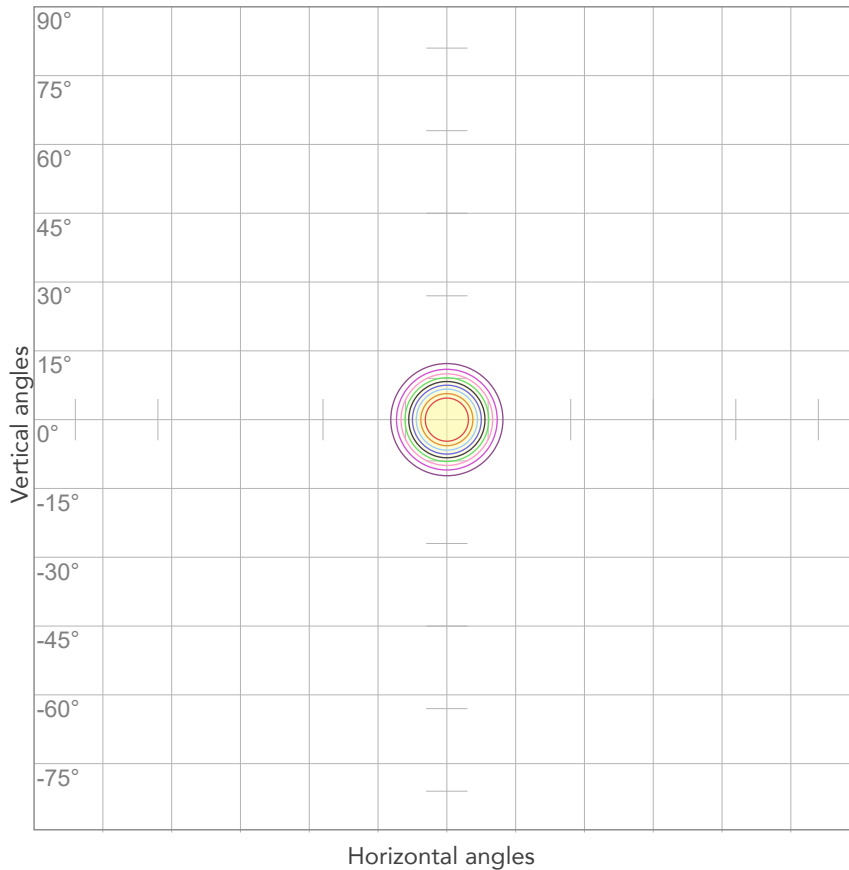


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,885A	197,6W	0,99	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



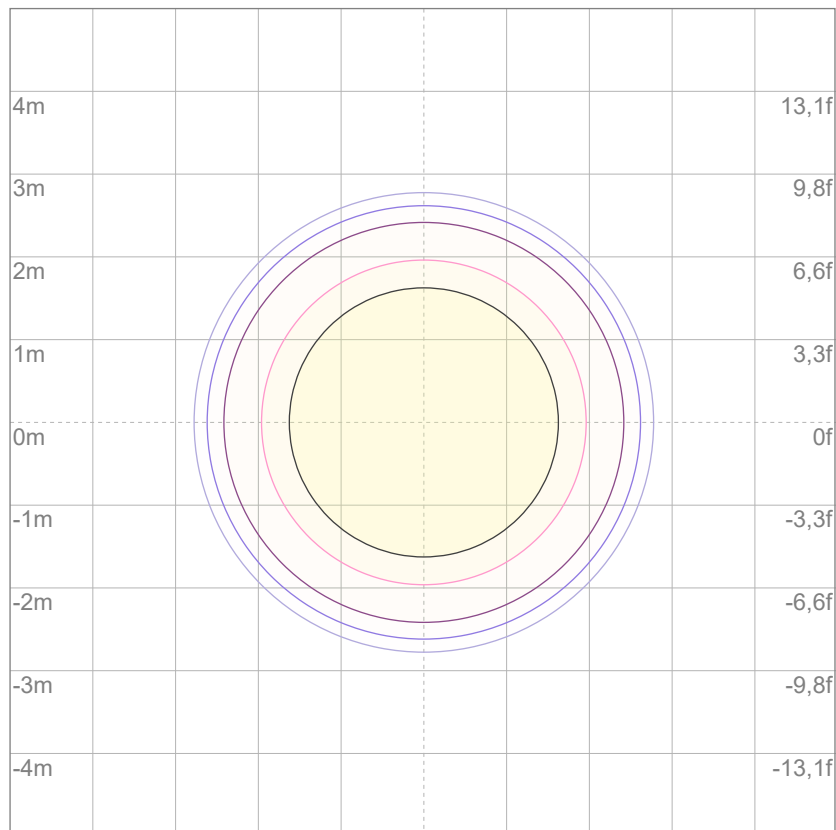
10%	2642 cd
20%	5283 cd
30%	7925 cd
40%	10567 cd
50%	13209 cd
60%	15850 cd
70%	18492 cd
80%	21134 cd

Conditions:

Number of c-planes: 2

Candela at center: 26417 cd

ISO LUX DIAGRAM



3%	7,93 lx
5%	13,2 lx
10%	26,4 lx
30%	79,3 lx
50%	132 lx

Conditions:

Number of c-planes: 2

Lux at center: 264 lx

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



Total lumen output:

5280 lm

Peak candela output:

5957 cd

Light quality:

CRI: 88,6

Color temperature:

5666 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

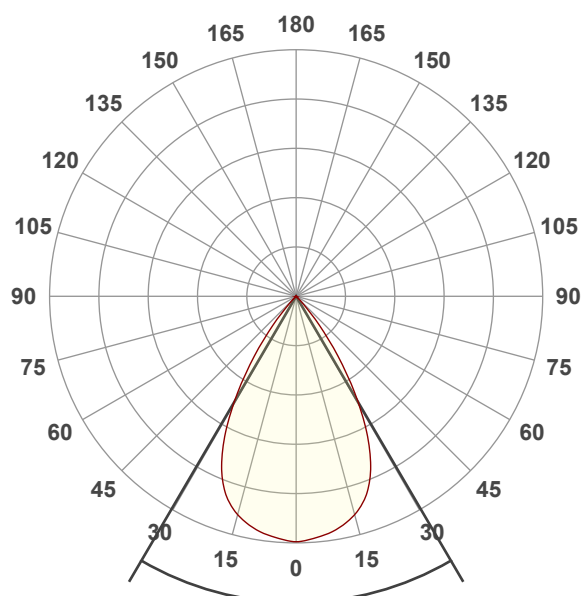
5600K- HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 17:23:04

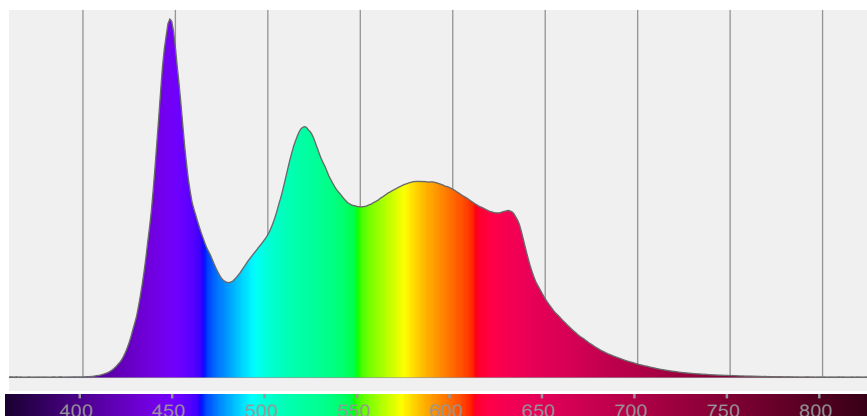


Beam angle 50%: 60,7°

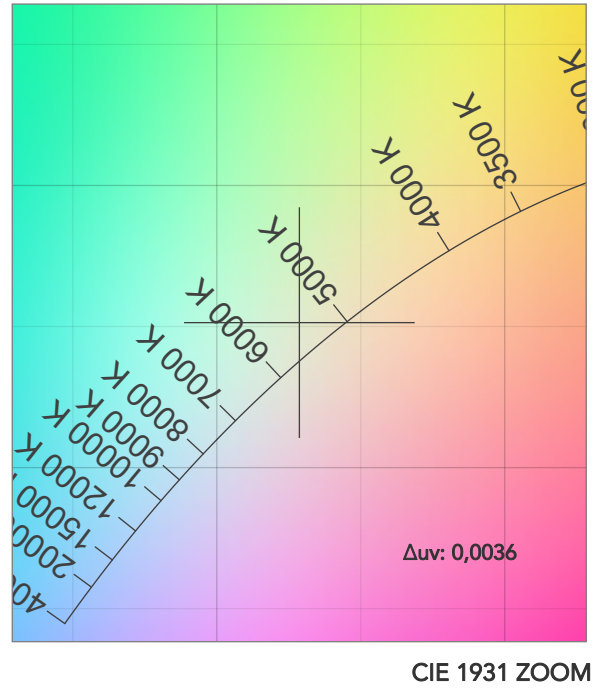
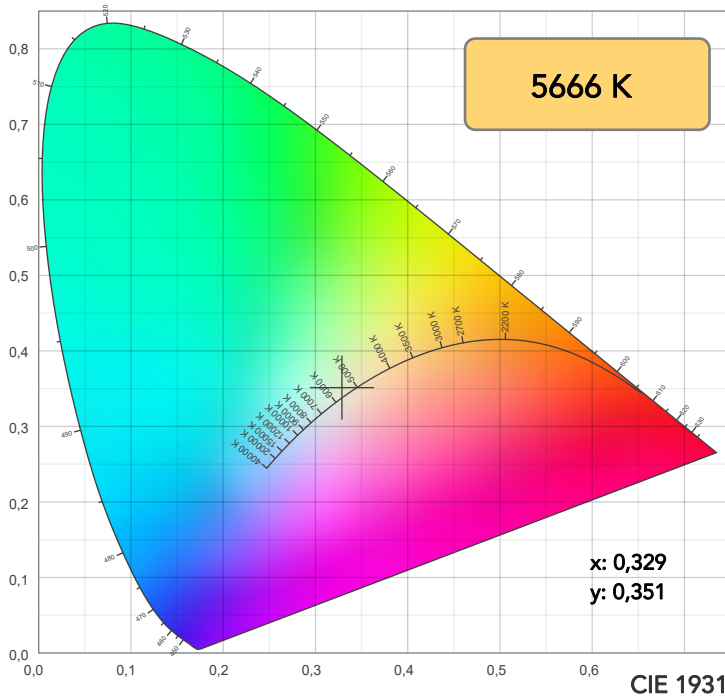
Field angle 10%: 81,2°

Cut off angle 2.5%: 89,1°

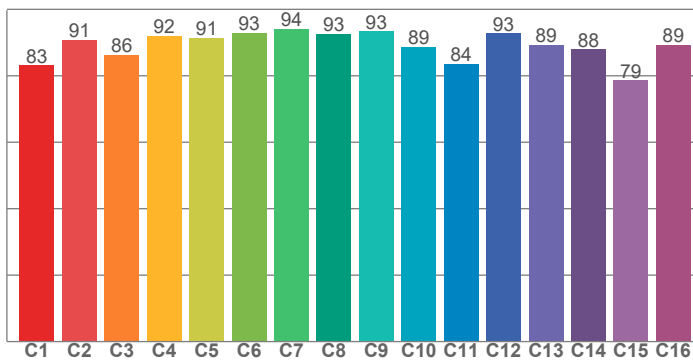
Spectra



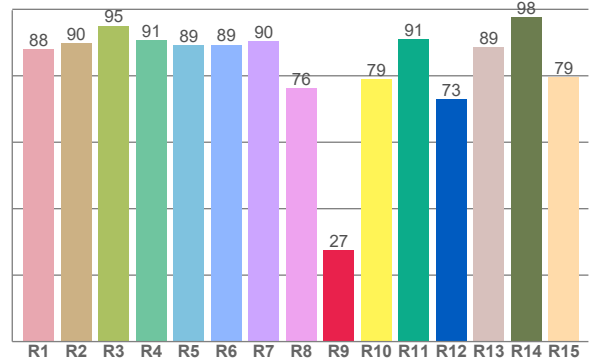
COLOR DETAILS



TM30: 89,0



CRI: 88,6 (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
88,1	89,9	95,0	90,7	89,1	89,4	90,5	76,3	27,4	79,0	91,0	72,8	88,5	97,6	79,5

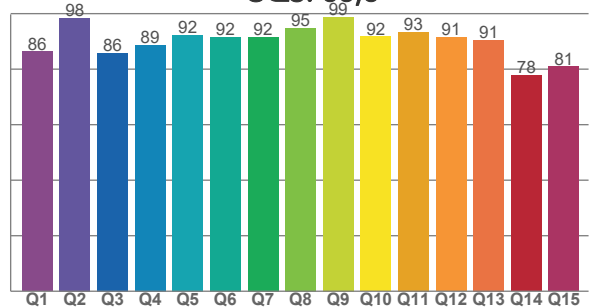
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
83,2	90,9	86,4	92,1	91,5	92,9	94,0	92,6	93,4	88,7	83,5	92,8	89,3	88,0	78,7	89,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
86,3	98,5	85,9	88,7	92,3	91,5	91,6	94,8	98,8	91,8	93,3	91,5	90,5	77,8	80,9

CQS: 88,8



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
5666 K	88,6	27,4	89,0	99,0	88,8	81	0,329	0,351	0,0036

TM30 DETAILS

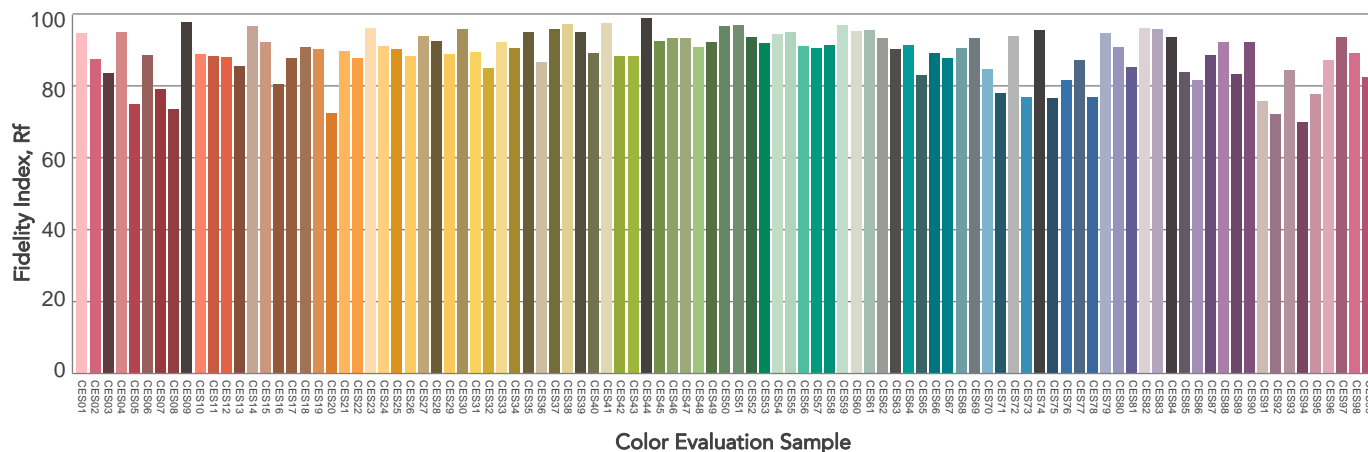
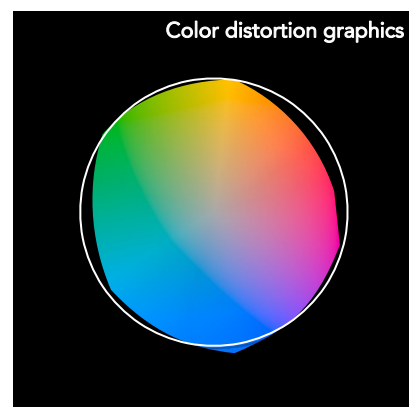
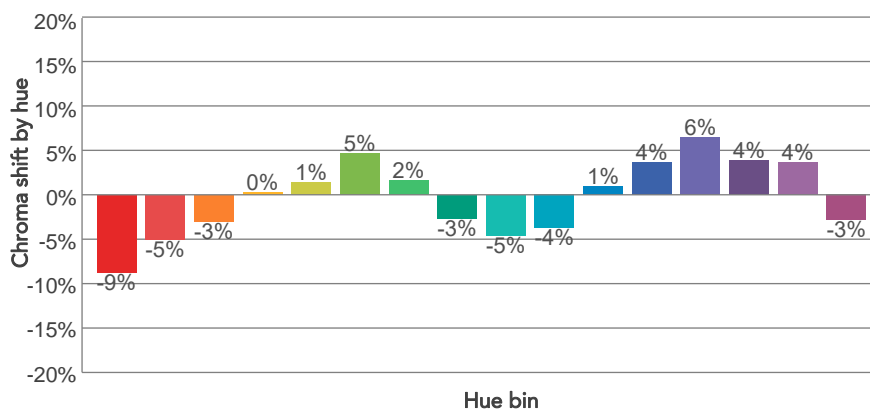
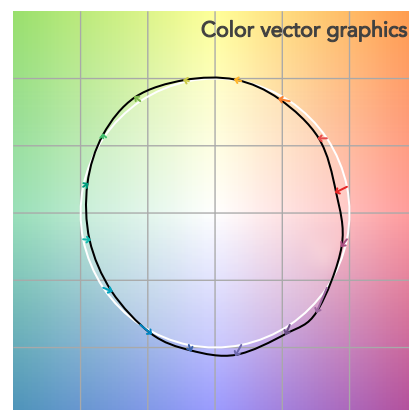
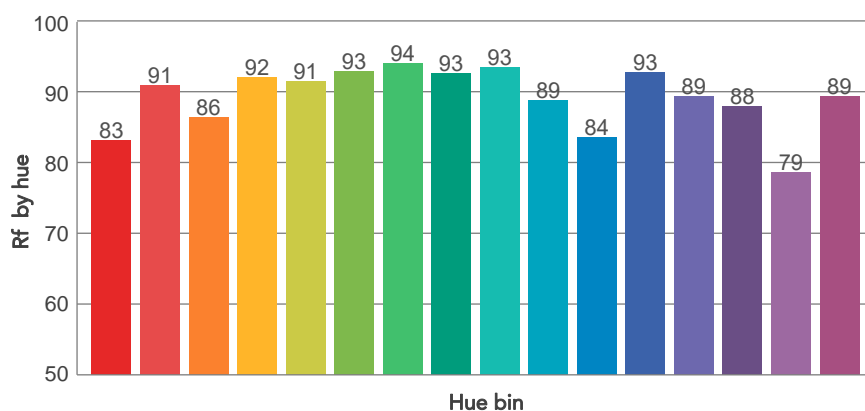
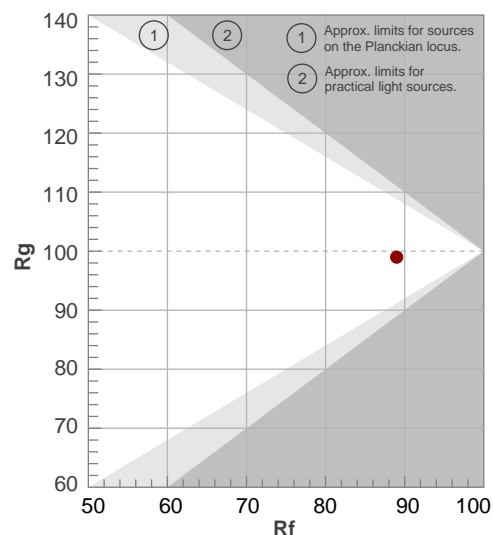
Rf 89,0

Fidelity index Rf

Rg 99,0

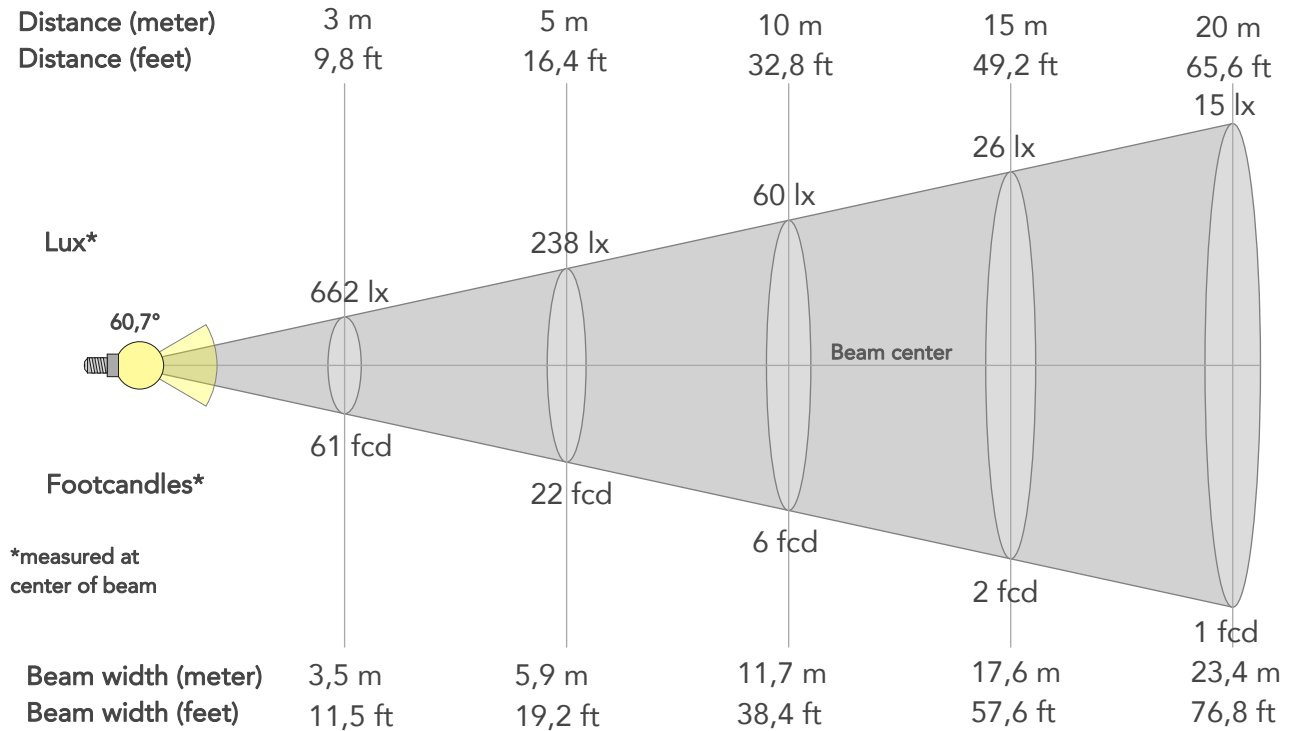
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	83	-9%	-2%
2	91	-5%	3%
3	86	-3%	7%
4	92	0%	5%
5	91	1%	3%
6	93	5%	1%
7	94	2%	-2%
8	93	-3%	-3%
9	93	-5%	1%
10	89	-4%	5%
11	84	1%	10%
12	93	4%	2%
13	89	6%	-5%
14	88	4%	-6%
15	79	4%	-19%
16	89	-3%	-6%



BEAM DETAILS

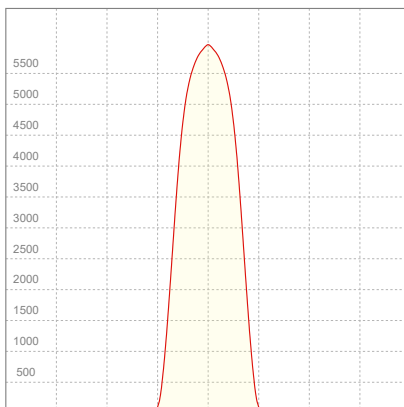
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
60,7°	81,2°	89,1°	99,4%	99,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5957lx	1489lx	662lx	372lx	238lx	106lx	60lx	26lx	15lx	10lx	7lx	4lx	2lx
Footcand.	553fcd	138fcd	61fcd	35fcd	22fcd	10fcd	6fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,2m	2,3m	3,5m	4,7m	5,9m	8,8m	11,7m	17,6m	23,4m	29,3m	35,1m	46,8m	58,5m
Beam wid.	3,9ft	7,7ft	11,5ft	15,3ft	19,2ft	28,8ft	38,4ft	57,6ft	76,8ft	96ft	115,2ft	153,6ft	192ft

LINEAR DISTRIBUTION DIAGRAM

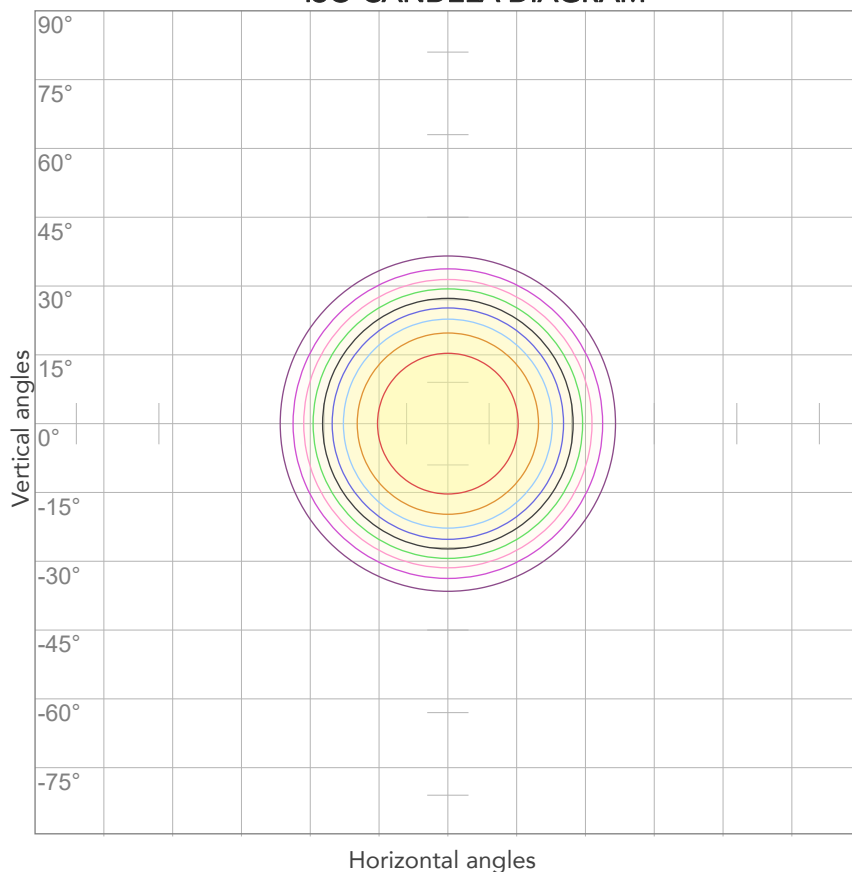


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,855A	191,6W	0,99	28lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



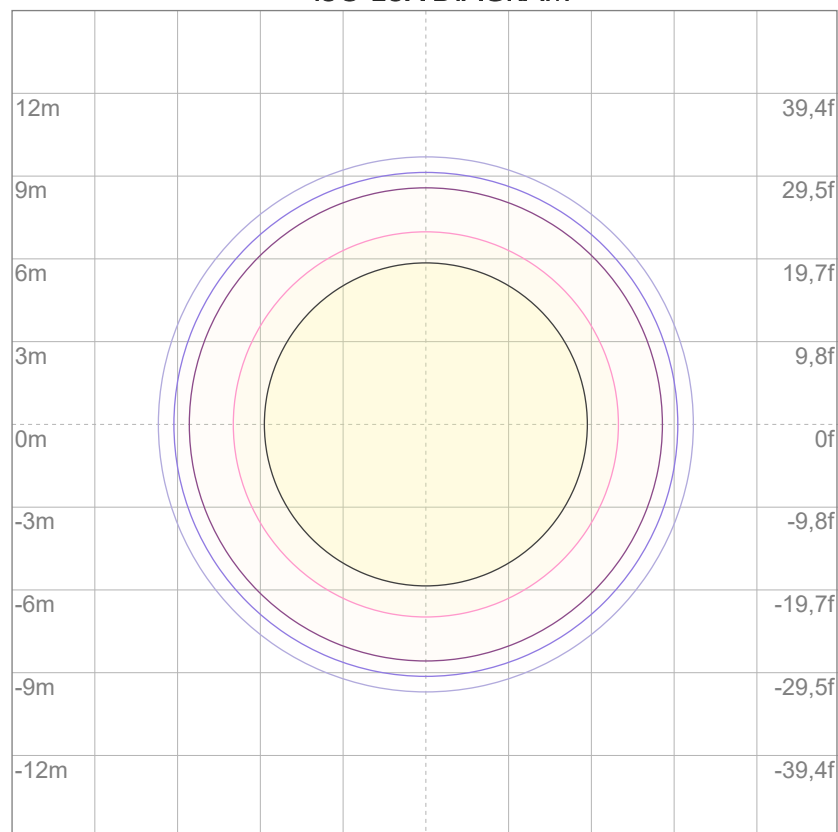
10%	596 cd
20%	1191 cd
30%	1787 cd
40%	2383 cd
50%	2978 cd
60%	3574 cd
70%	4170 cd
80%	4765 cd

Conditions:

Number of c-planes: 2

Candela at center: 5957 cd

ISO LUX DIAGRAM



3%	1,79 lx
5%	2,98 lx
10%	5,96 lx
30%	17,9 lx
50%	29,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 59,6 lx

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



Total lumen output:

4032 lm

Peak candela output:

10614 cd

Light quality:

CRI: 89,0

Color temperature:

5678 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

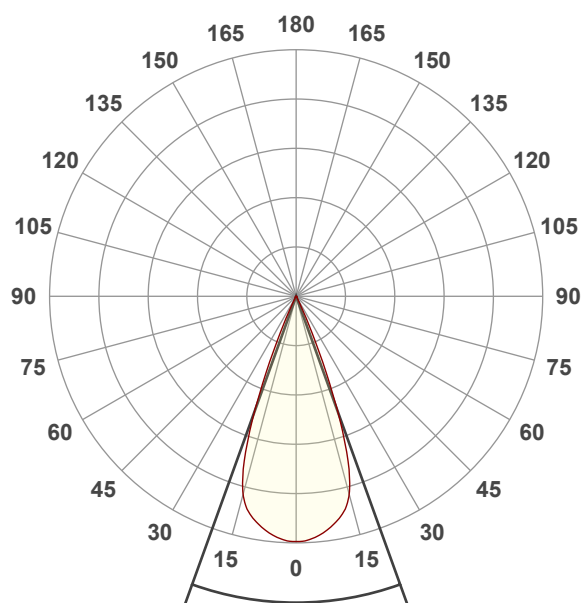
5600K- HB

Operator:

Salvatore Giglio

Date and time:

30/05/2024 17:35:31

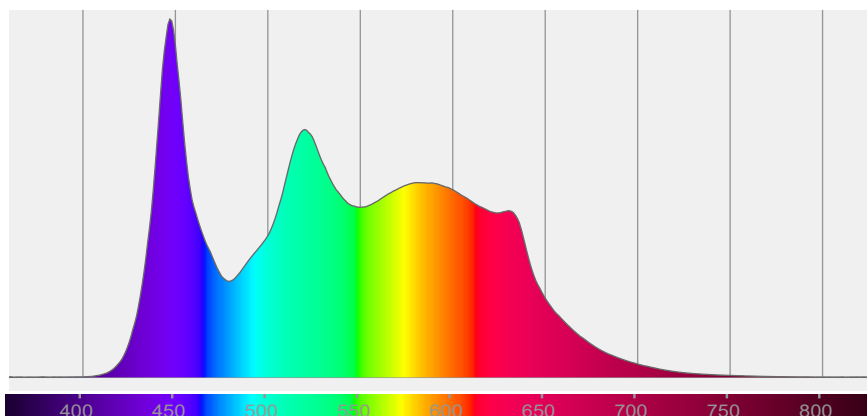


Beam angle 50%: 39,7°

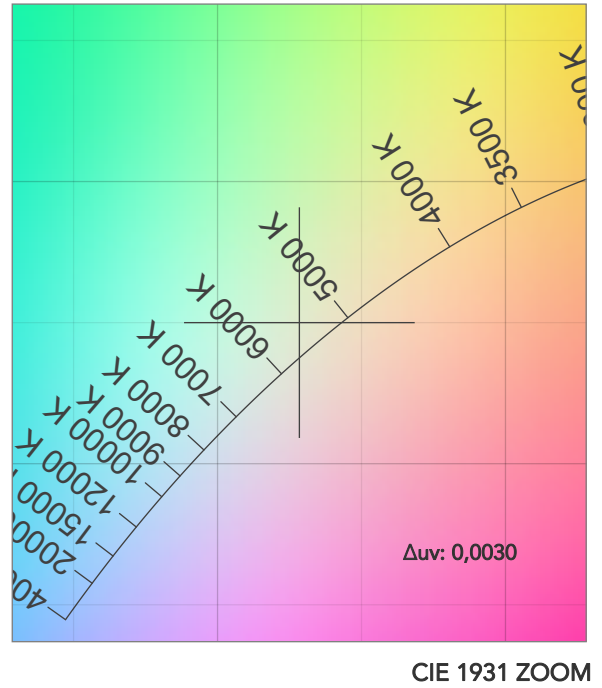
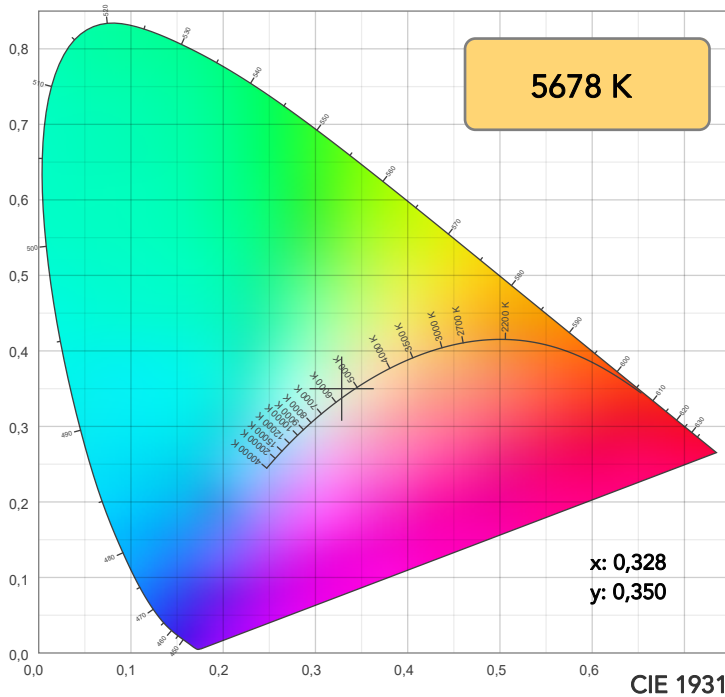
Field angle 10%: 49,4°

Cut off angle 2.5%: 54,3°

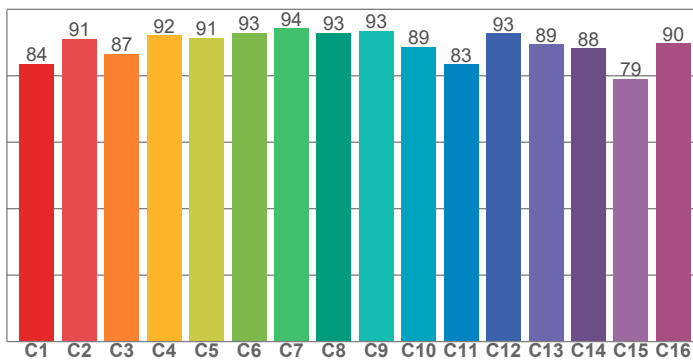
Spectra



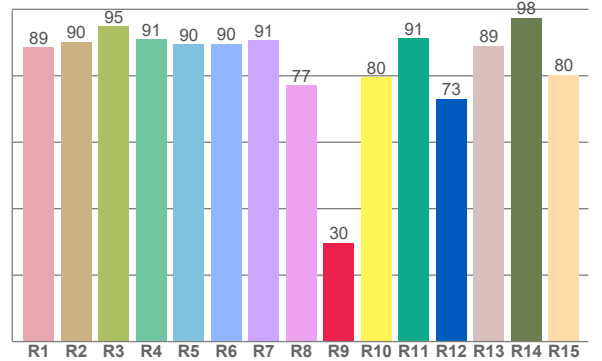
COLOR DETAILS



TM30: 89,1



CRI: 89,0 (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
88,6	90,2	94,9	91,0	89,6	89,6	90,7	77,1	29,8	79,5	91,2	73,1	89,1	97,5	80,4

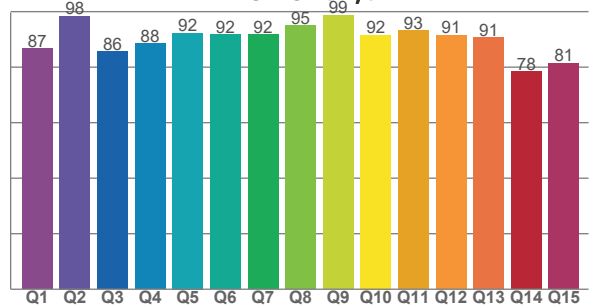
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
83,6	91,1	86,6	92,1	91,4	93,0	94,2	92,9	93,4	88,7	83,4	92,7	89,5	88,3	79,0	89,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
86,7	98,4	85,7	88,5	92,3	91,8	91,8	94,9	98,7	91,6	93,2	91,5	90,7	78,4	81,4

CQS: 89,0



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
5678 K	89,0	29,8	89,1	99,1	89,0	82	0,328	0,350	0,0030

TM30 DETAILS

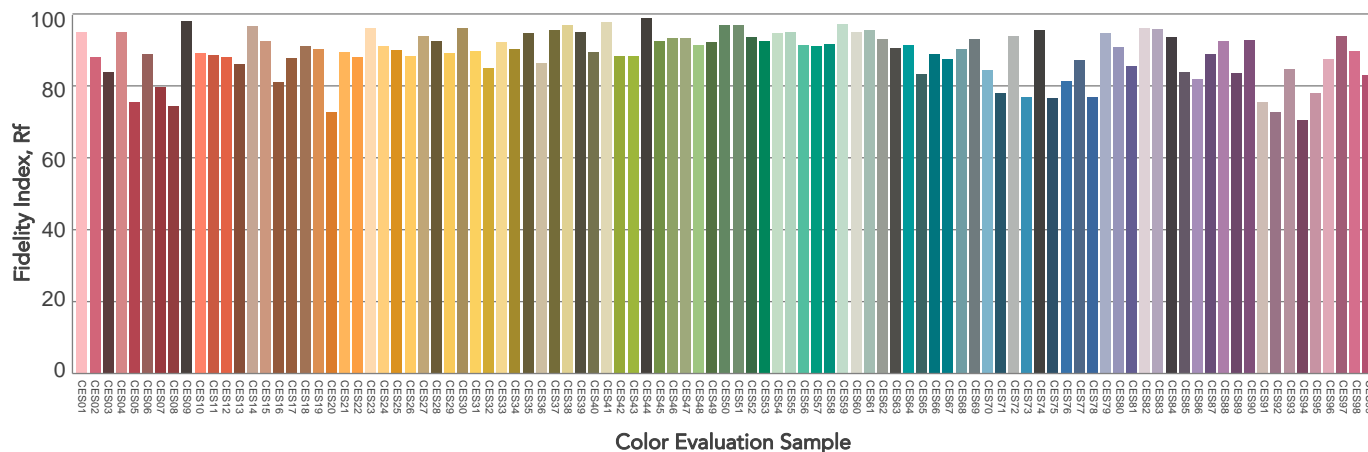
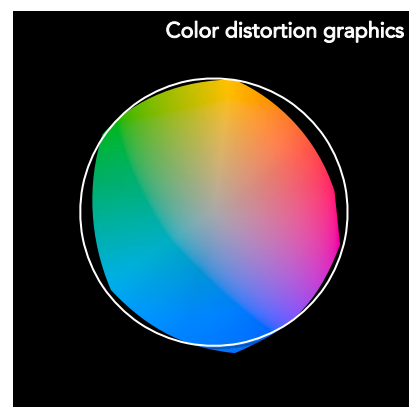
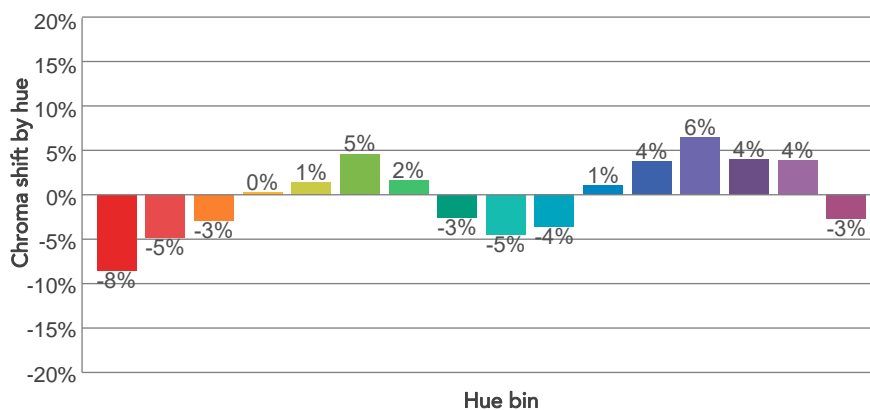
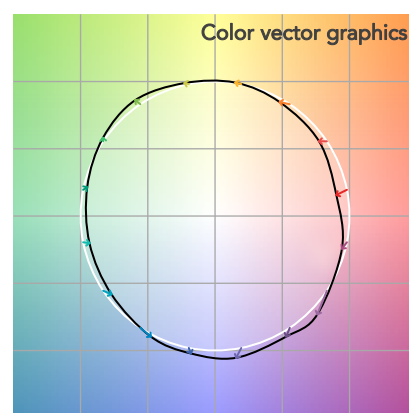
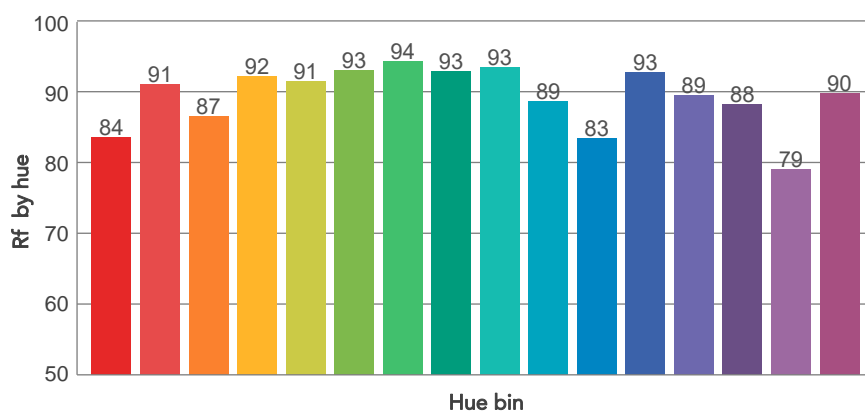
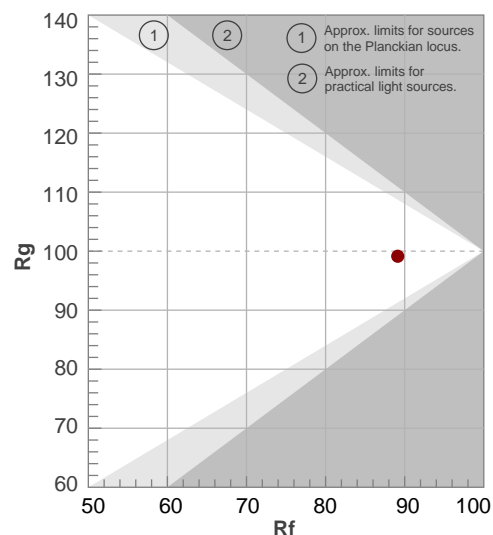
Rf 89,1

Fidelity index Rf

Rg 99,1

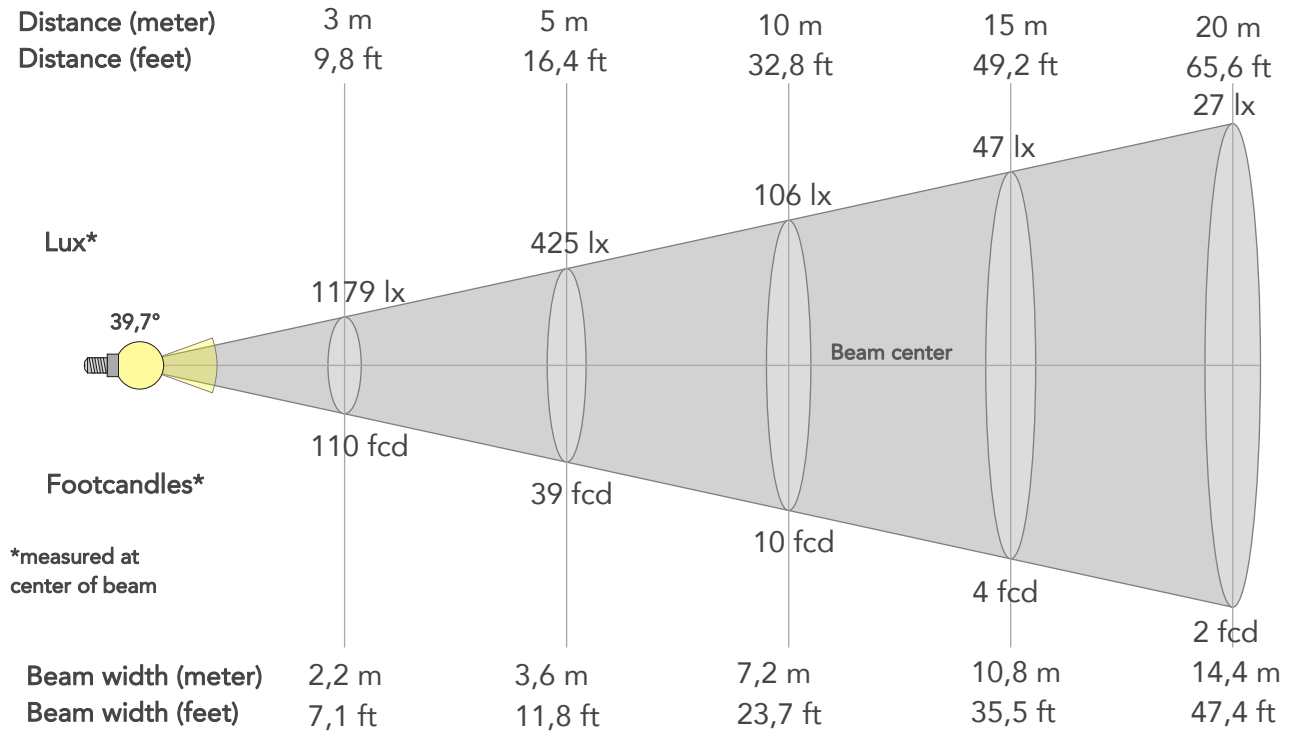
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	84	-8%	-2%
2	91	-5%	3%
3	87	-3%	7%
4	92	0%	5%
5	91	1%	3%
6	93	5%	1%
7	94	2%	-2%
8	93	-3%	-2%
9	93	-5%	2%
10	89	-4%	6%
11	83	1%	10%
12	93	4%	2%
13	89	6%	-5%
14	88	4%	-6%
15	79	4%	-19%
16	90	-3%	-5%



BEAM DETAILS

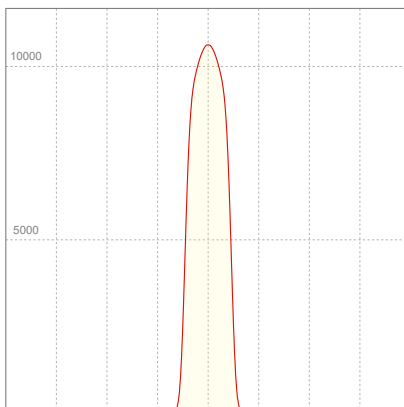
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,7°	49,4°	54,3°	99,1%	98,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	10614lx	2653lx	1179lx	663lx	425lx	189lx	106lx	47lx	27lx	17lx	12lx	7lx	4lx
Footcand.	986fcd	247fcd	110fcd	62fcd	39fcd	18fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,7m	1,4m	2,2m	2,9m	3,6m	5,4m	7,2m	10,8m	14,4m	18m	21,7m	28,9m	36,1m
Beam wid.	2,4ft	4,8ft	7,1ft	9,5ft	11,8ft	17,8ft	23,7ft	35,5ft	47,4ft	59,2ft	71ft	94,7ft	118,4ft

LINEAR DISTRIBUTION DIAGRAM

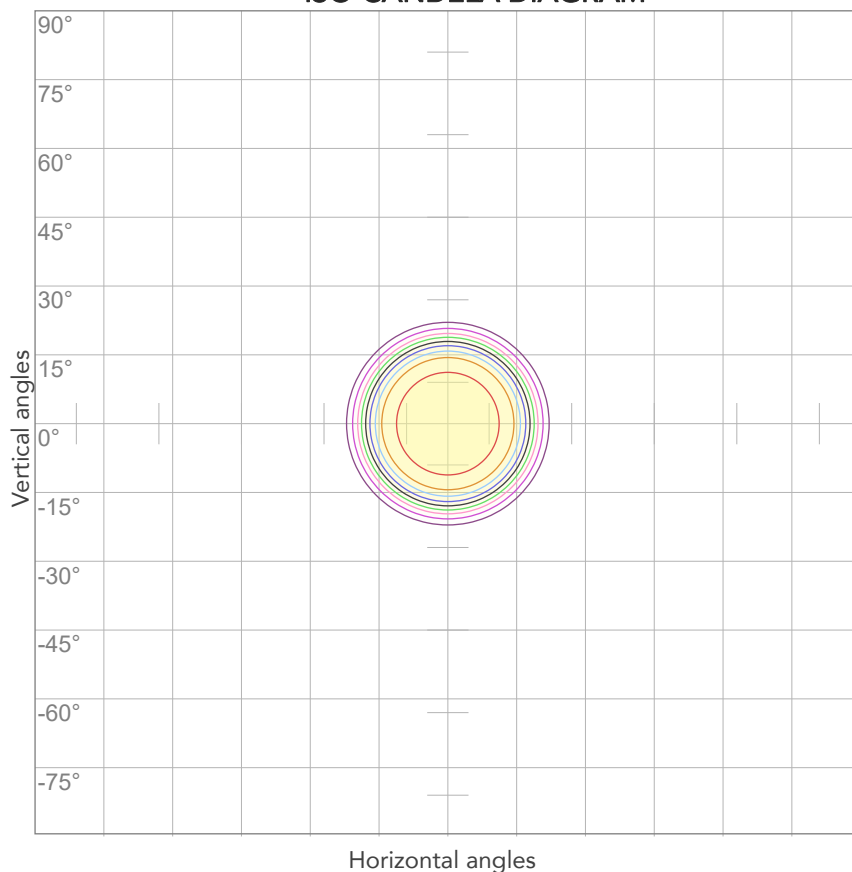


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,866A	192,2W	0,98	21lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



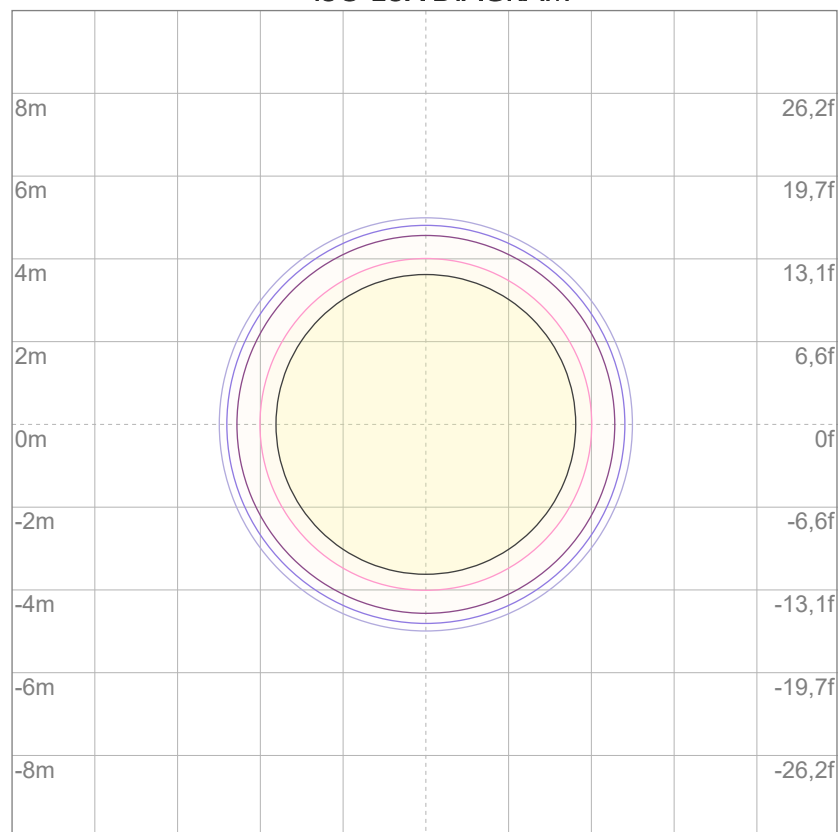
10%	1061 cd
20%	2123 cd
30%	3184 cd
40%	4245 cd
50%	5307 cd
60%	6368 cd
70%	7430 cd
80%	8491 cd

Conditions:

Number of c-planes: 2

Candela at center: 10614 cd

ISO LUX DIAGRAM



3%	3,18 lx
5%	5,31 lx
10%	10,6 lx
30%	31,8 lx
50%	53,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 106 lx

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



Total lumen output:

2867 lm

Peak candela output:

25868 cd

Light quality:

CRI: 89,2

Color temperature:

5671 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

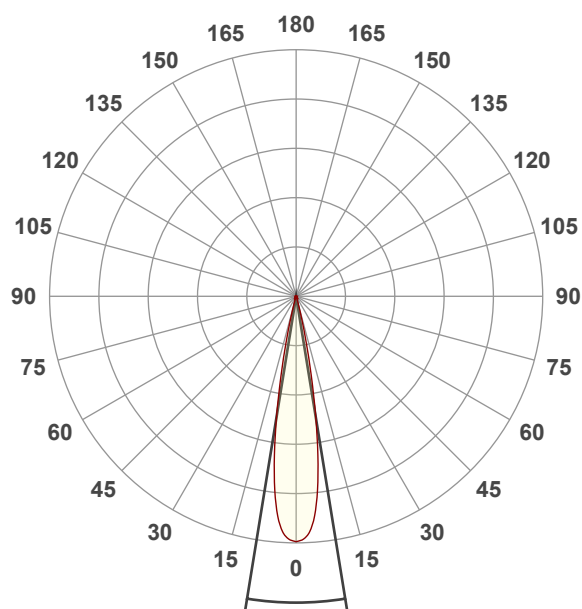
5600K- HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 16:28:33

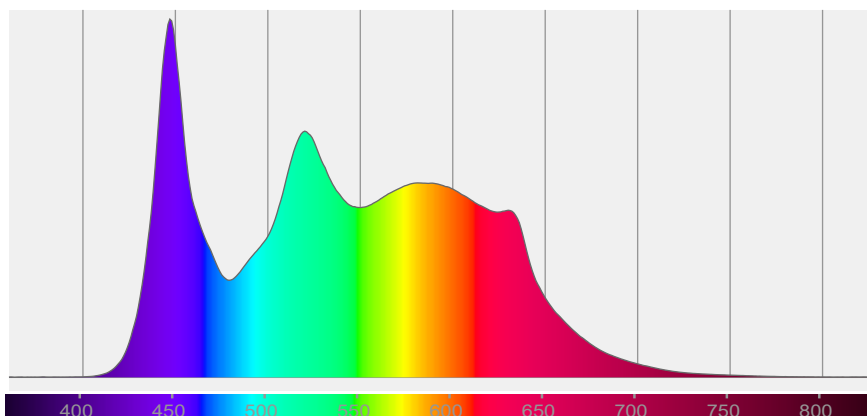


Beam angle 50%: 18,4°

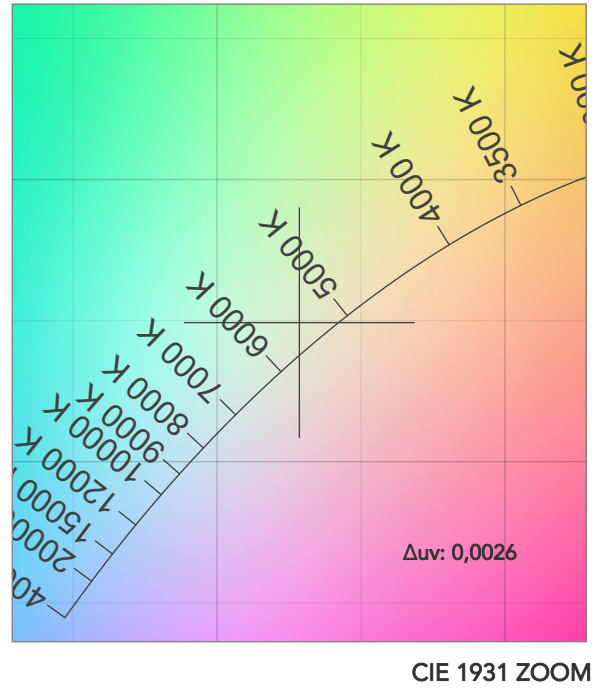
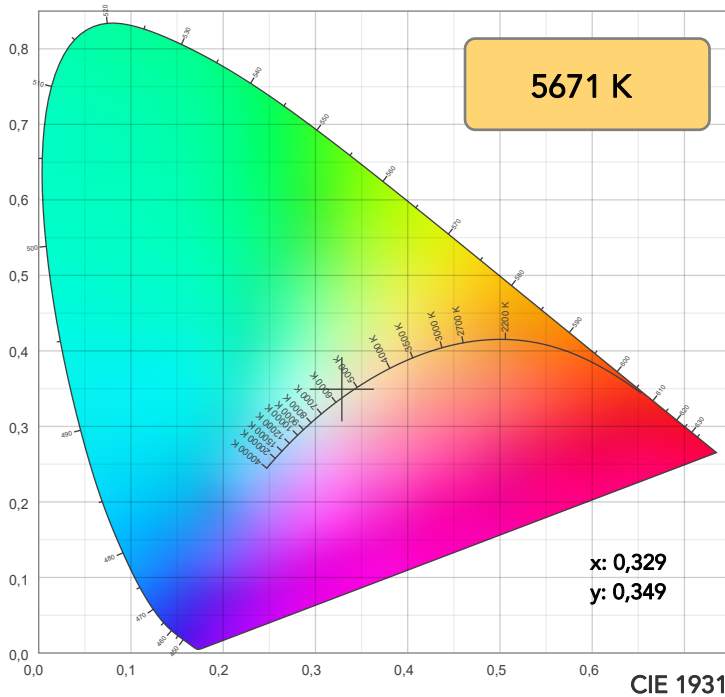
Field angle 10%: 27,5°

Cut off angle 2.5%: 32,5°

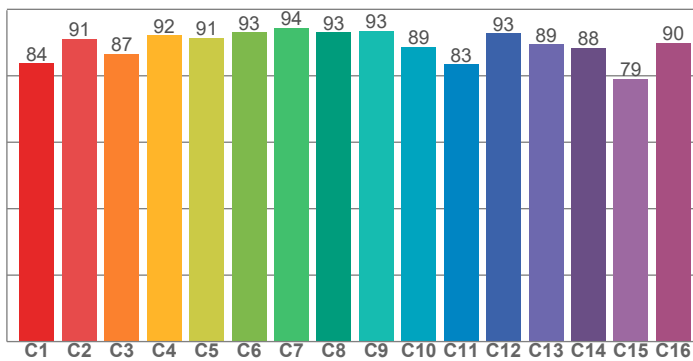
Spectra



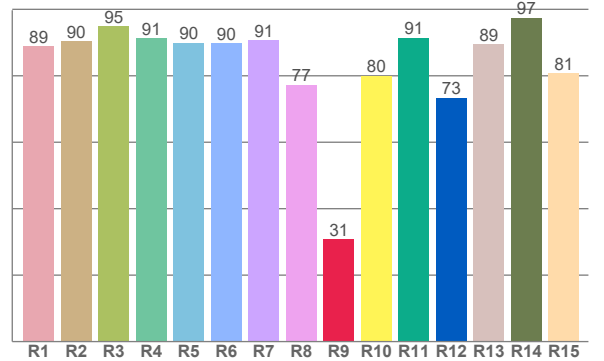
COLOR DETAILS



TM30: 89,2



CRI: 89,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
89,0	90,5	94,9	91,2	89,9	89,8	90,7	77,3	30,8	80,0	91,4	73,4	89,4	97,5	80,9

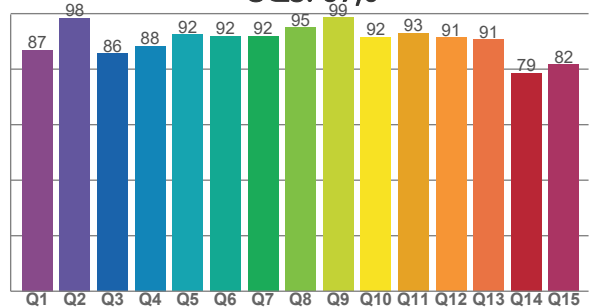
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
83,8	91,2	86,7	92,1	91,4	93,0	94,3	93,1	93,5	88,6	83,4	92,7	89,5	88,4	79,1	90,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
86,8	98,4	85,6	88,3	92,4	91,9	91,9	95,0	98,6	91,6	93,1	91,4	90,7	78,7	81,6

CQS: 89,0



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
5671 K	89,2	30,8	89,2	99,2	89,0	82	0,329	0,349	0,0026

TM30 DETAILS

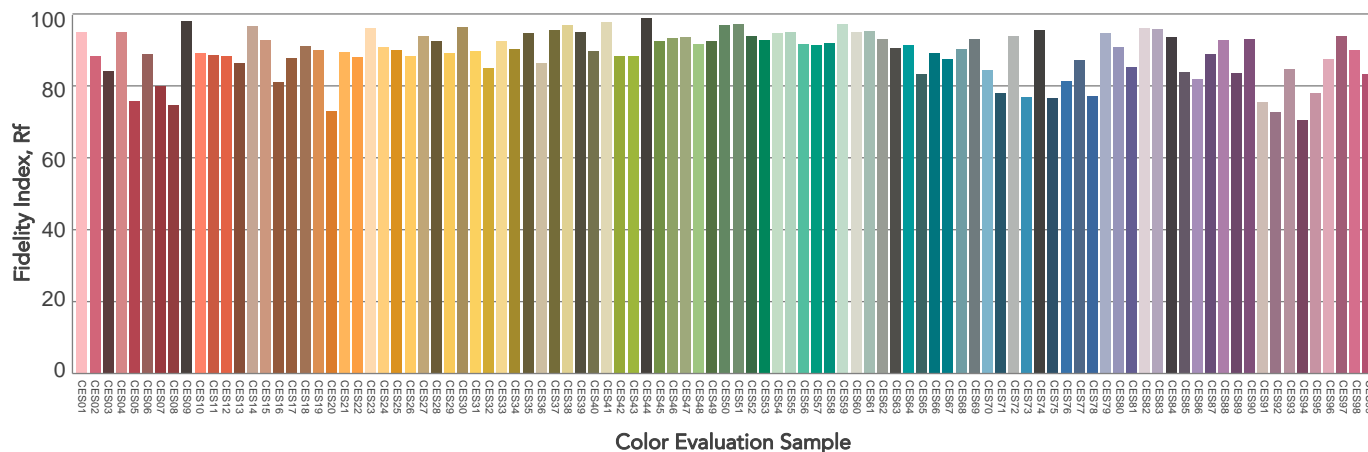
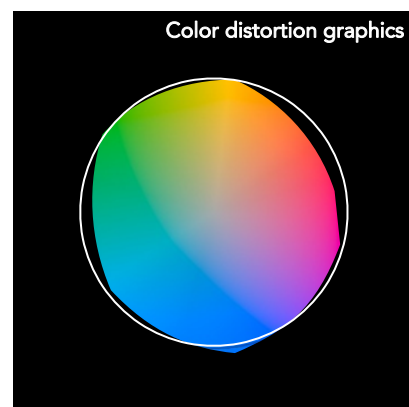
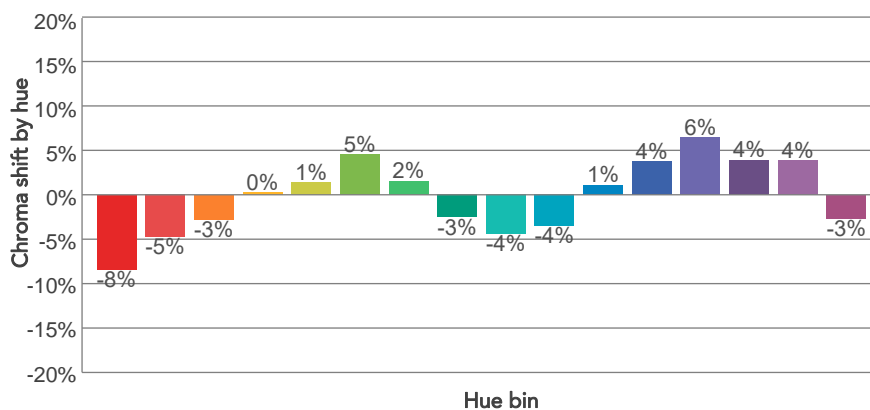
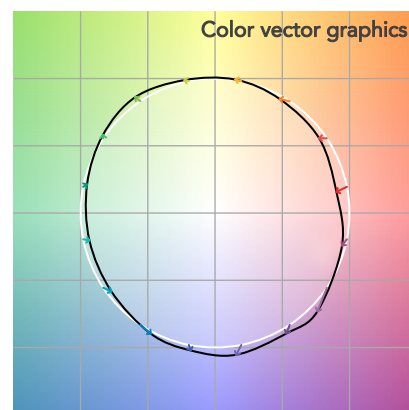
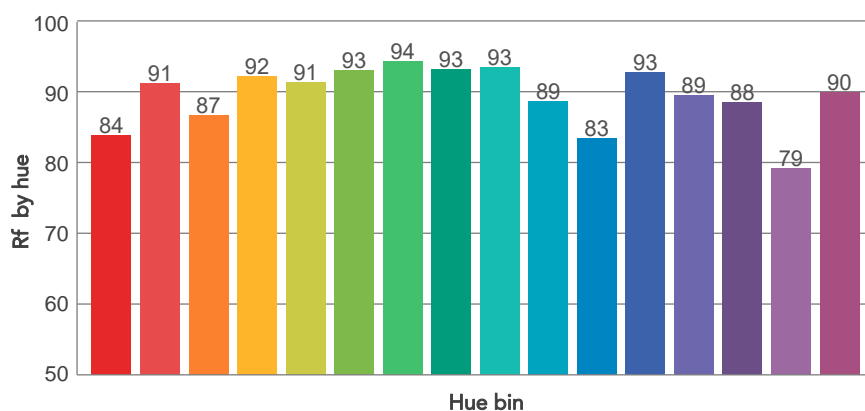
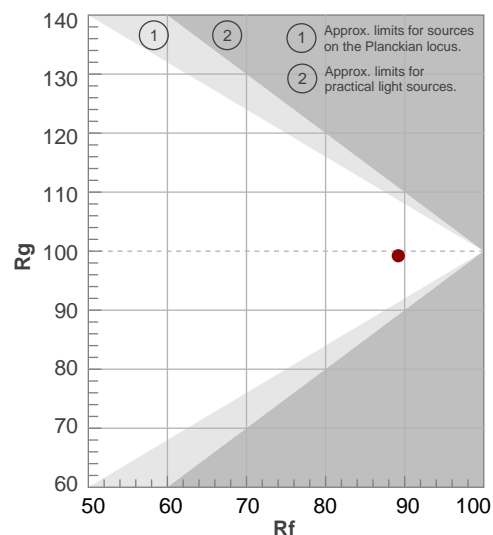
Rf 89,2

Fidelity index Rf

Rg 99,2

Gammut index

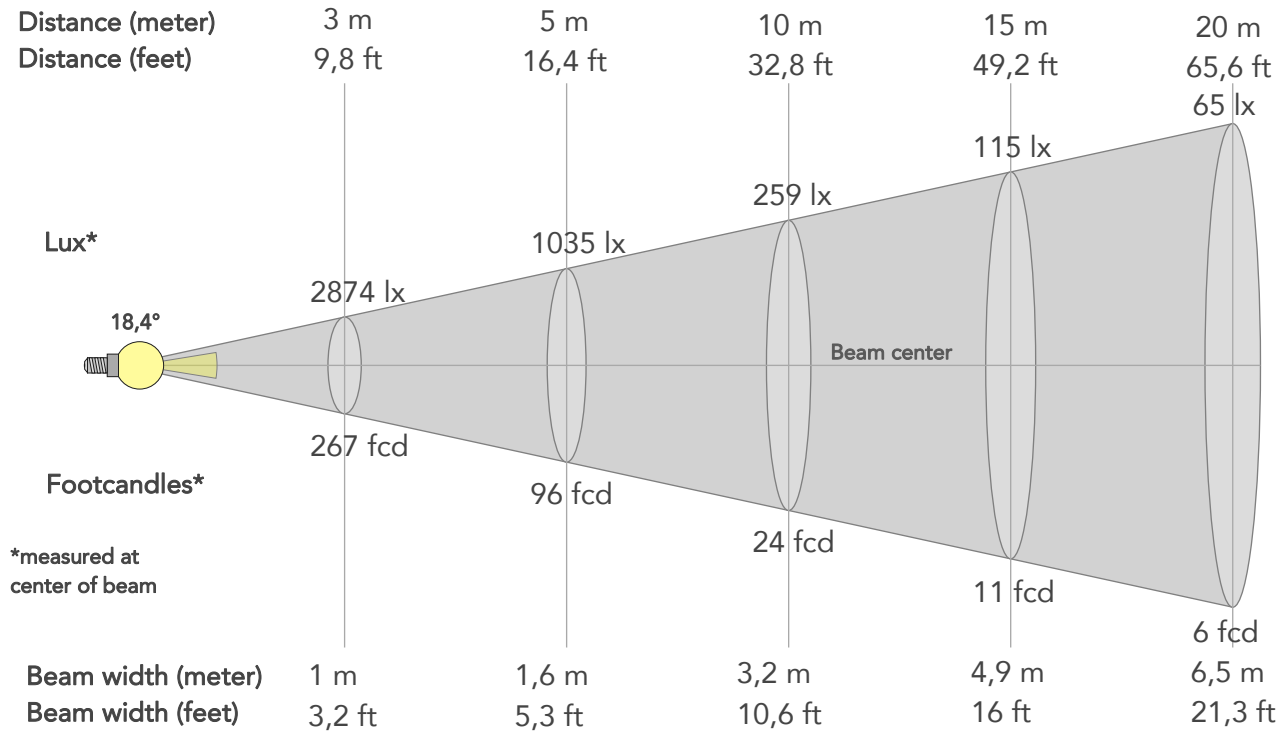
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	84	-8%	-2%
2	91	-5%	3%
3	87	-3%	7%
4	92	0%	5%
5	91	1%	3%
6	93	5%	1%
7	94	2%	-2%
8	93	-3%	-2%
9	93	-4%	2%
10	89	-4%	6%
11	83	1%	10%
12	93	4%	2%
13	89	6%	-5%
14	88	4%	-6%
15	79	4%	-18%
16	90	-3%	-5%



BEAM DETAILS



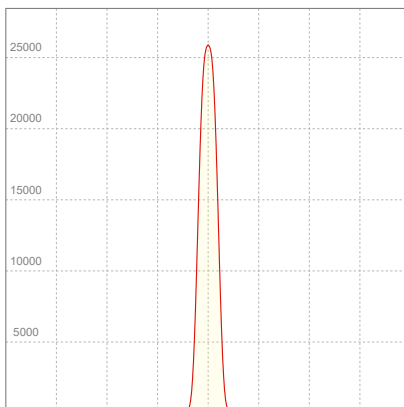
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,4°	27,5°	32,5°	98,8%	96,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	25868lx	6467lx	2874lx	1617lx	1035lx	460lx	259lx	115lx	65lx	41lx	29lx	16lx	10lx
Footcand.	2403fcd	601fcd	267fcd	150fcd	96fcd	43fcd	24fcd	11fcd	6fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,3m	0,6m	1m	1,3m	1,6m	2,4m	3,2m	4,9m	6,5m	8,1m	9,7m	13m	16,2m
Beam wid.	1,1ft	2,1ft	3,2ft	4,3ft	5,3ft	8ft	10,6ft	16ft	21,3ft	26,6ft	31,9ft	42,6ft	53,2ft

LINEAR DISTRIBUTION DIAGRAM

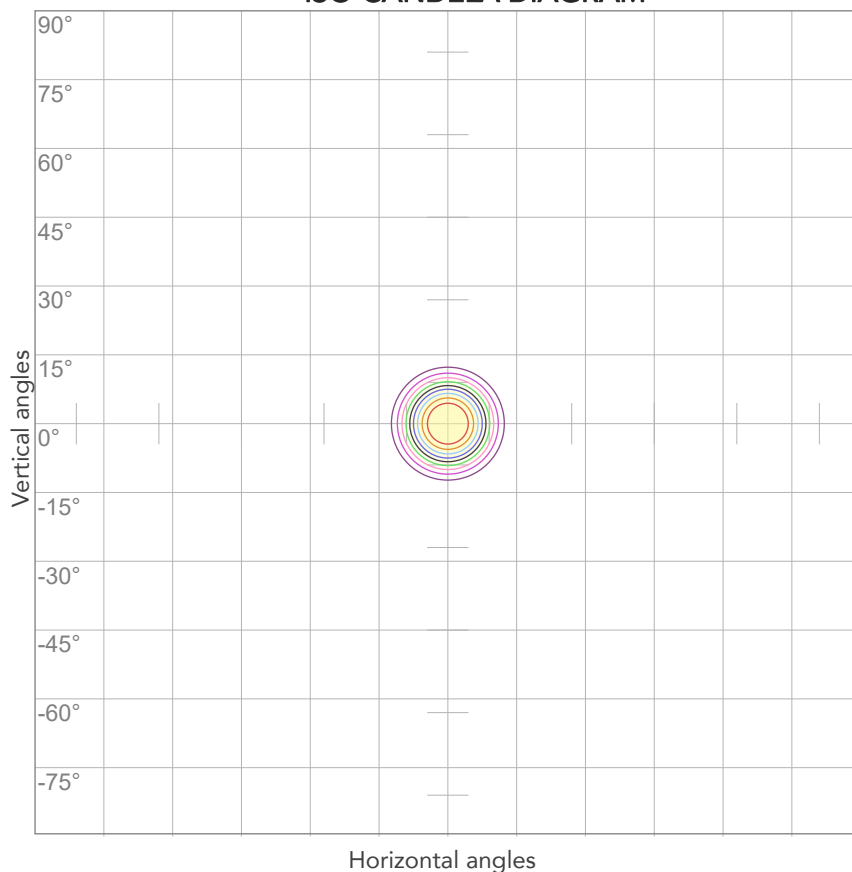


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,862A	192,4W	0,99	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



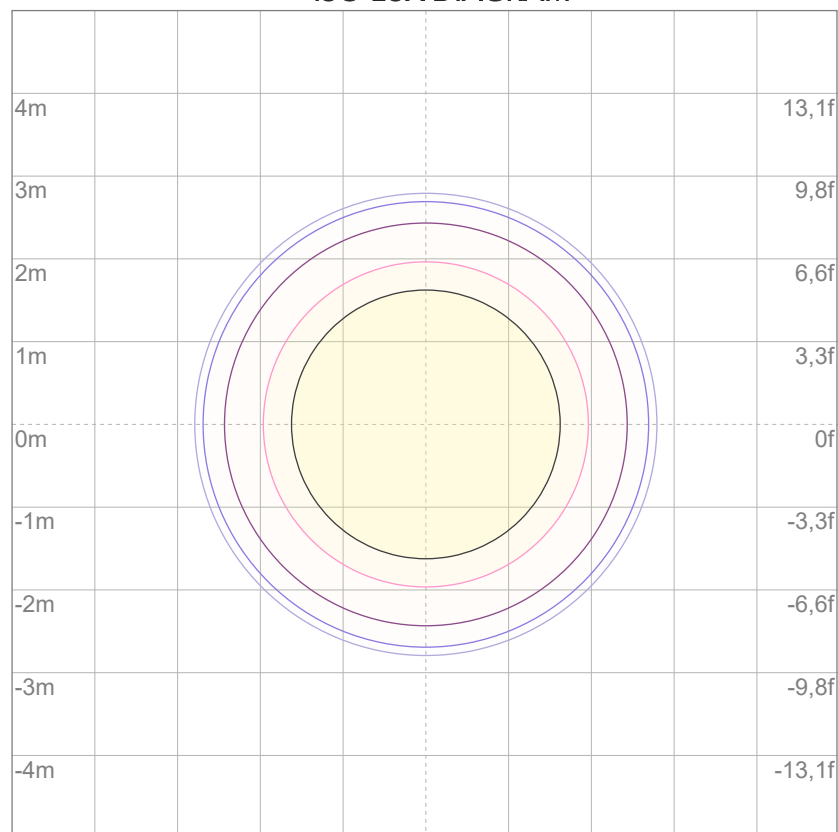
10%	2587 cd
20%	5174 cd
30%	7760 cd
40%	10347 cd
50%	12934 cd
60%	15521 cd
70%	18108 cd
80%	20695 cd

Conditions:

Number of c-planes: 2

Candela at center: 25868 cd

ISO LUX DIAGRAM



3%	7,76 lx
5%	12,9 lx
10%	25,9 lx
30%	77,6 lx
50%	129 lx

Conditions:

Number of c-planes: 2

Lux at center: 259 lx

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



Total lumen output:

5240 lm

Peak candela output:

5908 cd

Light quality:

CRI: 86,7

Color temperature:

6037 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

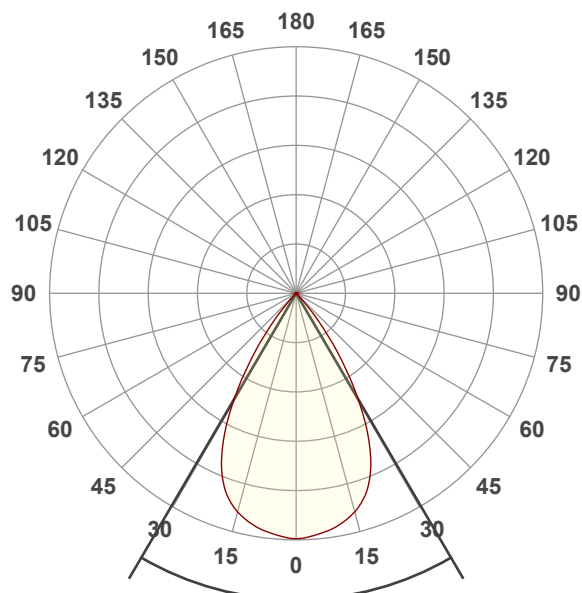
6000K- HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 17:21:30

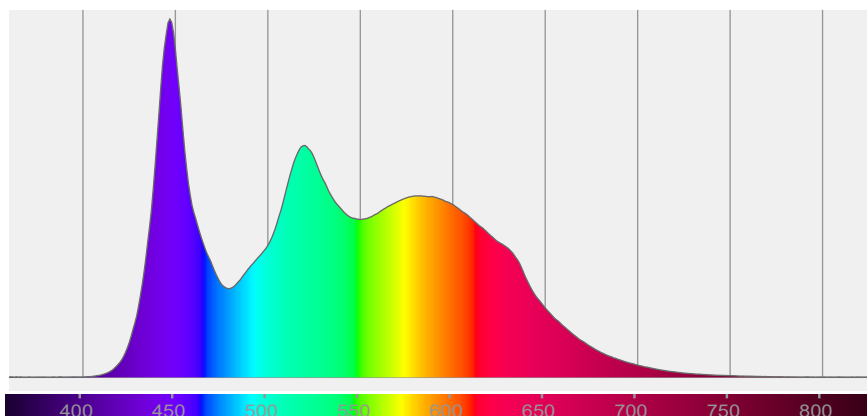


Beam angle 50%: 60,7°

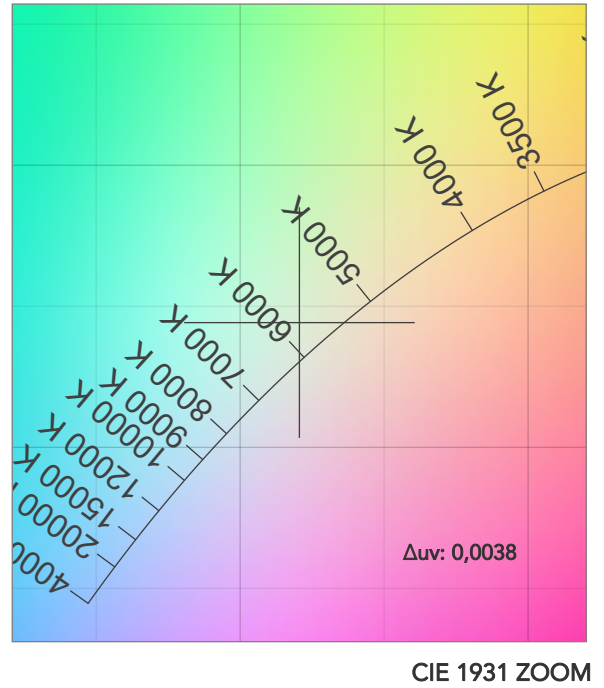
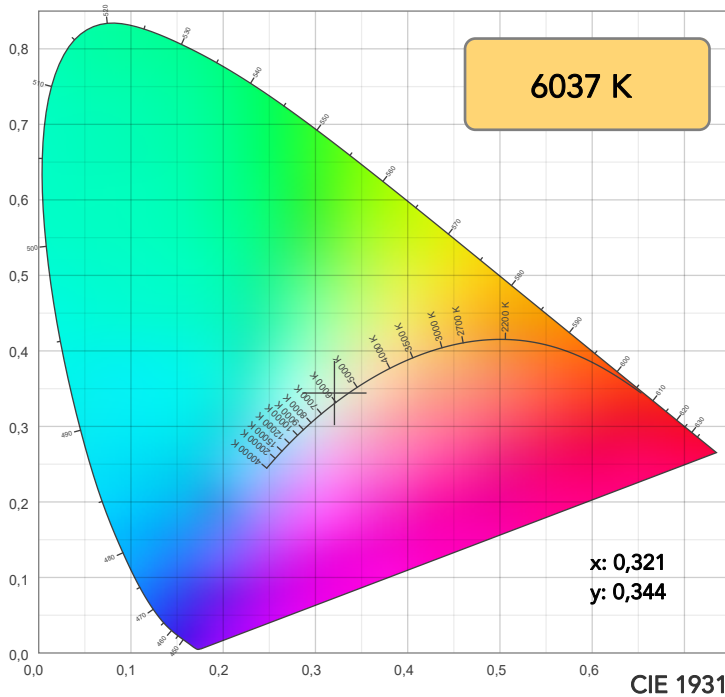
Field angle 10%: 81,2°

Cut off angle 2.5%: 89°

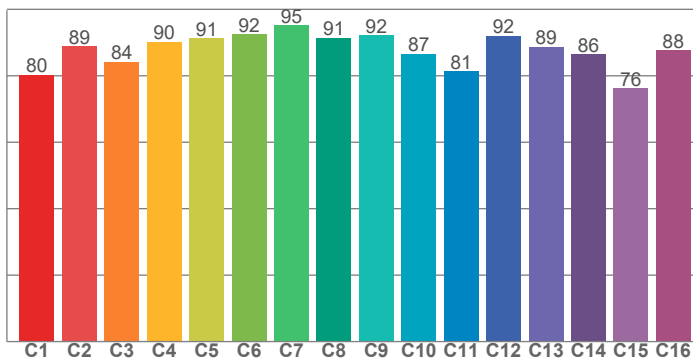
Spectra



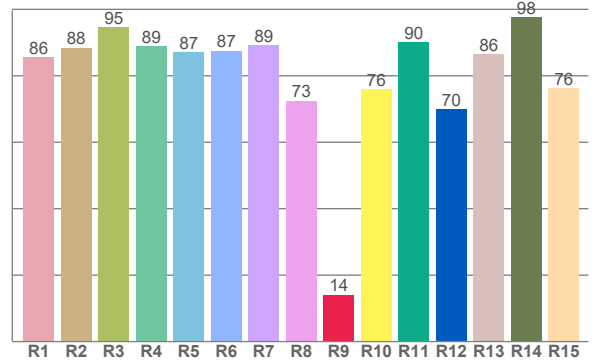
COLOR DETAILS



TM30: 87,5



CRI: 86,7 (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
85,6	88,5	94,5	88,9	87,0	87,5	89,2	72,5	14,1	75,8	90,0	70,0	86,4	97,5	76,3

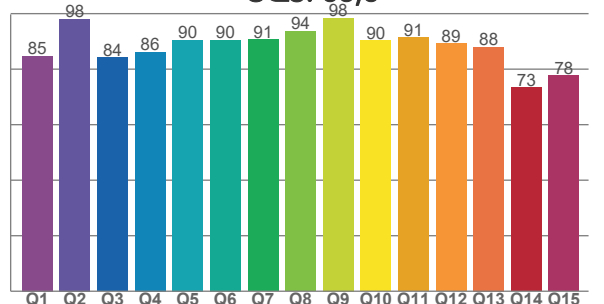
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,3	88,9	84,1	90,2	91,3	92,5	95,2	91,4	92,2	86,6	81,3	91,9	88,7	86,5	76,3	87,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
84,8	98,1	84,2	86,2	90,5	90,5	90,6	93,6	98,5	90,3	91,3	89,2	88,1	73,3	77,7

CQS: 86,8



COLOR PARAMETERS

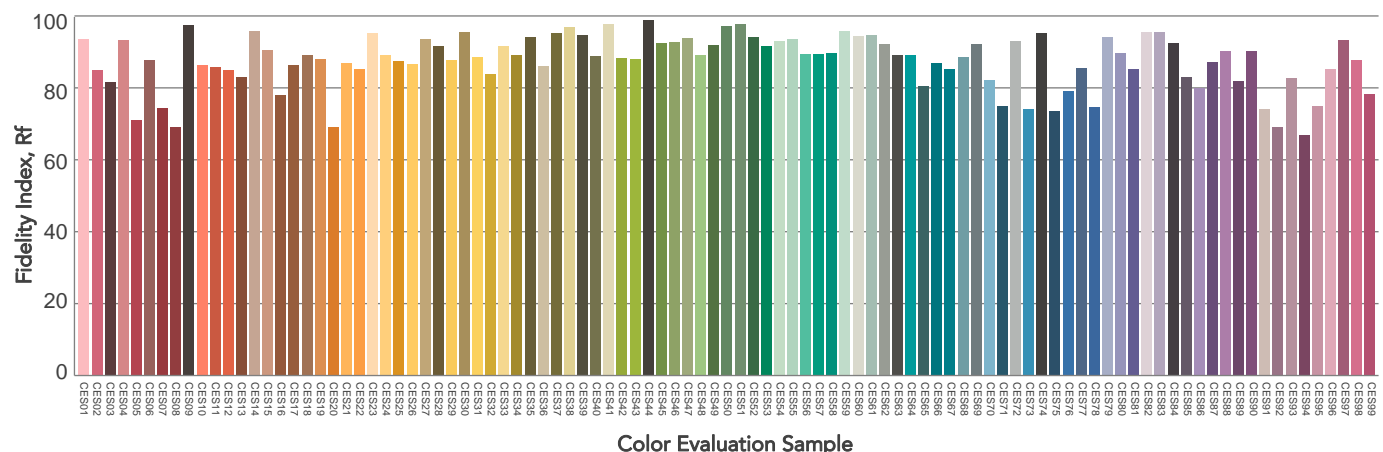
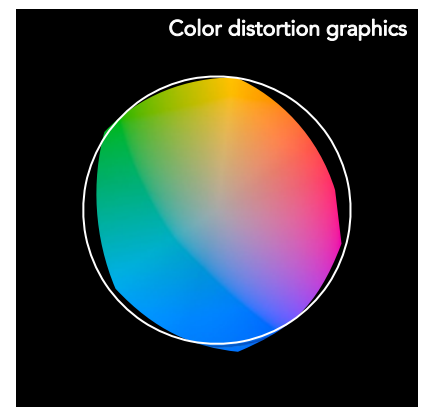
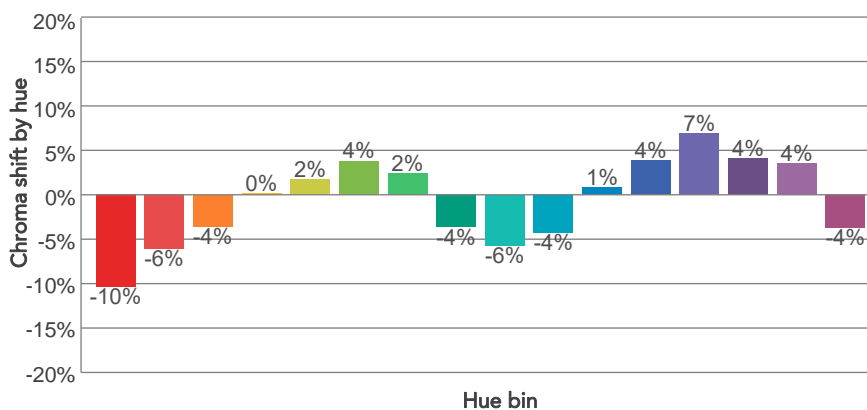
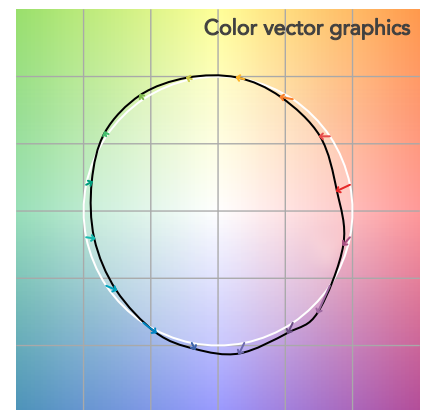
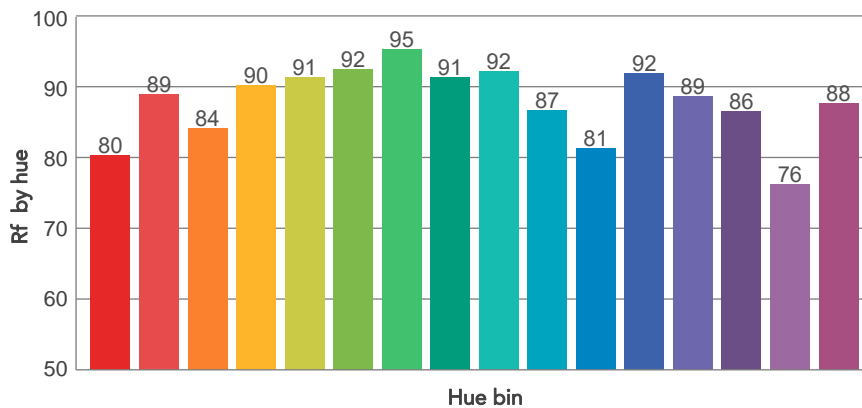
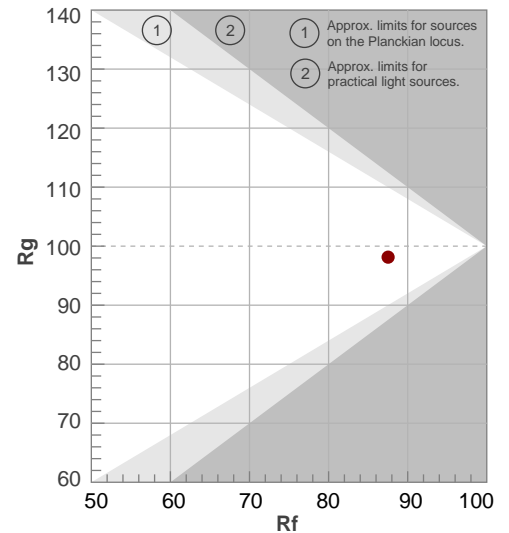
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6037 K	86,7	14,1	87,5	98,1	86,8	76	0,321	0,344	0,0038

TM30 DETAILS

Rf 87,5
Fidelity index Rf

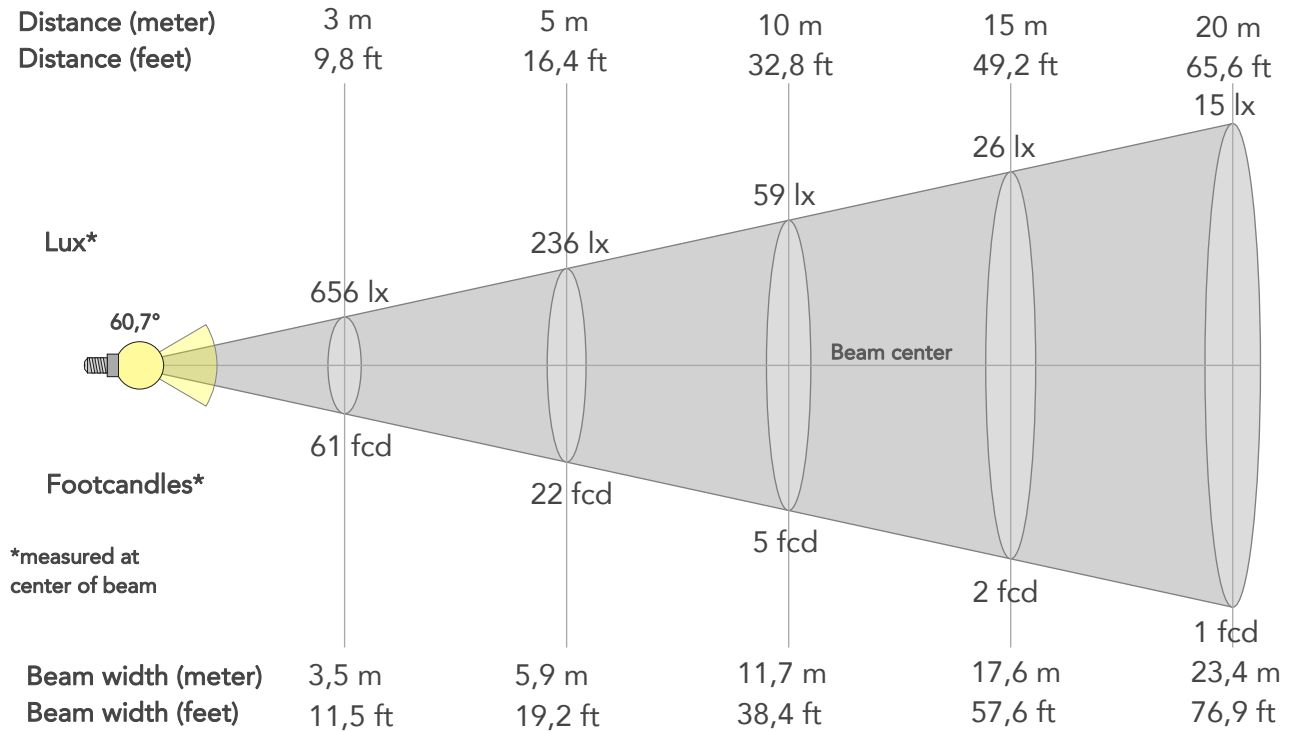
Rg 98,1
Gammut index

		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	80	-10%	-3%
2	89	-6%	4%
3	84	-4%	8%
4	90	0%	6%
5	91	2%	3%
6	92	4%	0%
7	95	2%	-2%
8	91	-4%	-3%
9	92	-6%	2%
10	87	-4%	7%
11	81	1%	12%
12	92	4%	3%
13	89	7%	-5%
14	86	4%	-7%
15	76	4%	-21%
16	88	-4%	-6%



BEAM DETAILS

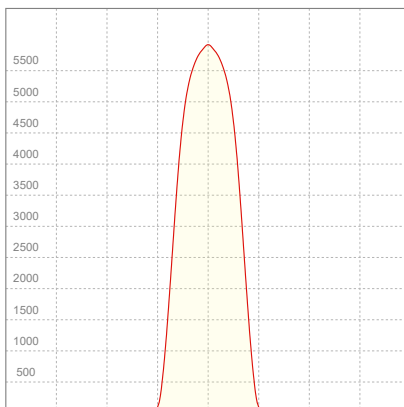
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
60,7°	81,2°	89°	99,4%	99,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5908lx	1477lx	656lx	369lx	236lx	105lx	59lx	26lx	15lx	9lx	7lx	4lx	2lx
Footcand.	549fcd	137fcd	61fcd	34fcd	22fcd	10fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,2m	2,3m	3,5m	4,7m	5,9m	8,8m	11,7m	17,6m	23,4m	29,3m	35,2m	46,9m	58,6m
Beam wid.	3,9ft	7,7ft	11,5ft	15,3ft	19,2ft	28,8ft	38,4ft	57,6ft	76,9ft	96,1ft	115,3ft	153,7ft	192,2ft

LINEAR DISTRIBUTION DIAGRAM

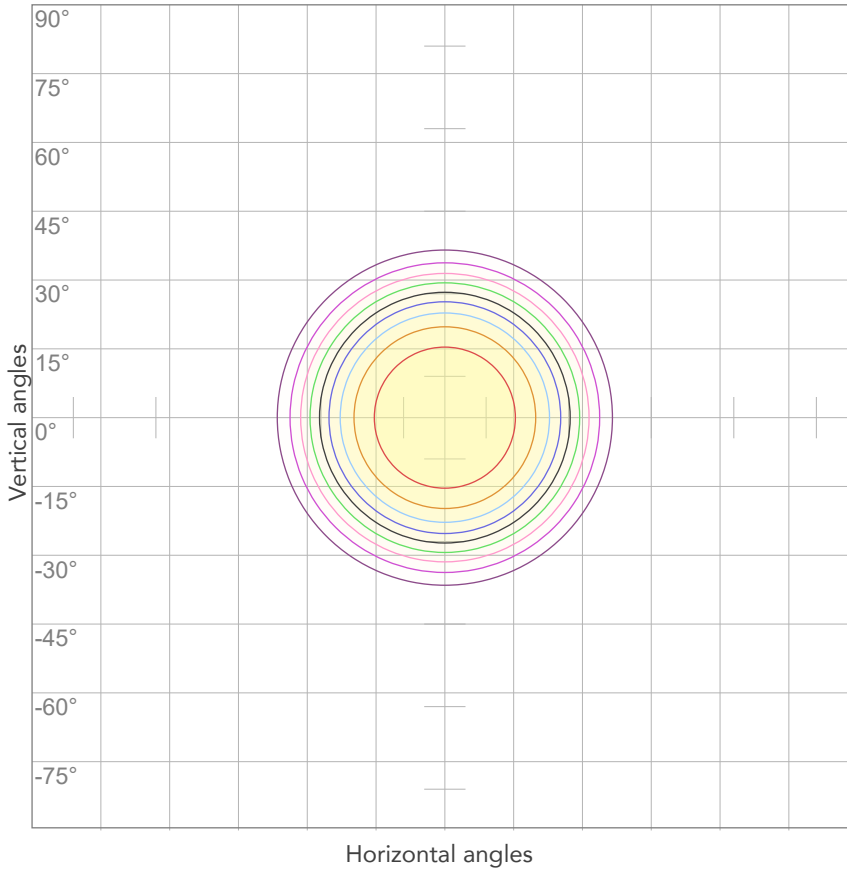


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,851A	190,6W	0,99	28lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



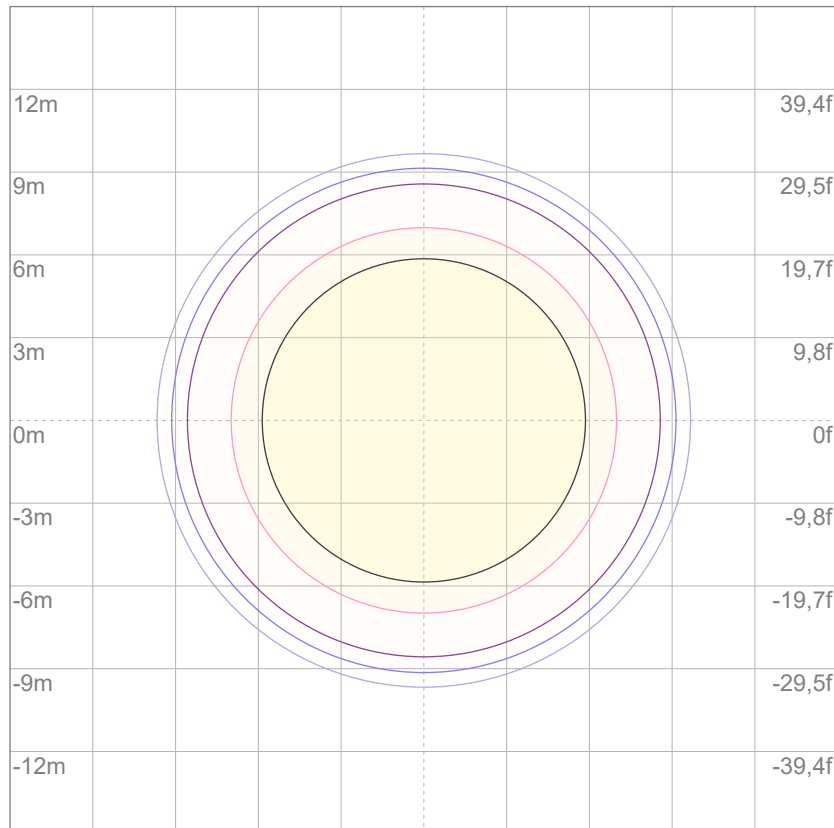
10%	591 cd
20%	1182 cd
30%	1772 cd
40%	2363 cd
50%	2954 cd
60%	3545 cd
70%	4136 cd
80%	4727 cd

Conditions:

Number of c-planes: 2

Candela at center: 5908 cd

ISO LUX DIAGRAM



3%	1,77 lx
5%	2,95 lx
10%	5,91 lx
30%	17,7 lx
50%	29,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 59,1 lx

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



Total lumen output:

3998 lm

Peak candela output:

10555 cd

Light quality:

CRI: 87,0

Color temperature:

6037 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

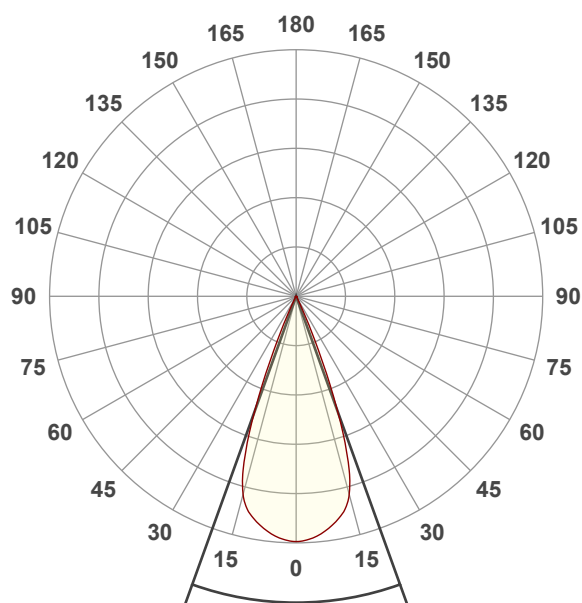
6000K- HB

Operator:

Salvatore Giglio

Date and time:

30/05/2024 17:40:18

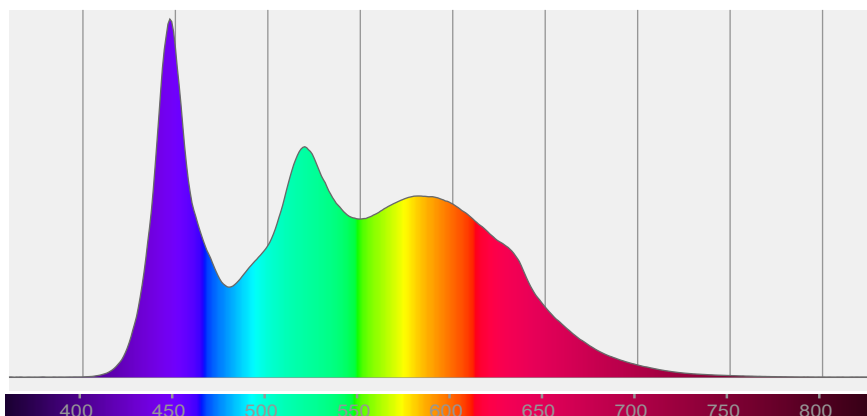


Beam angle 50%: 39,6°

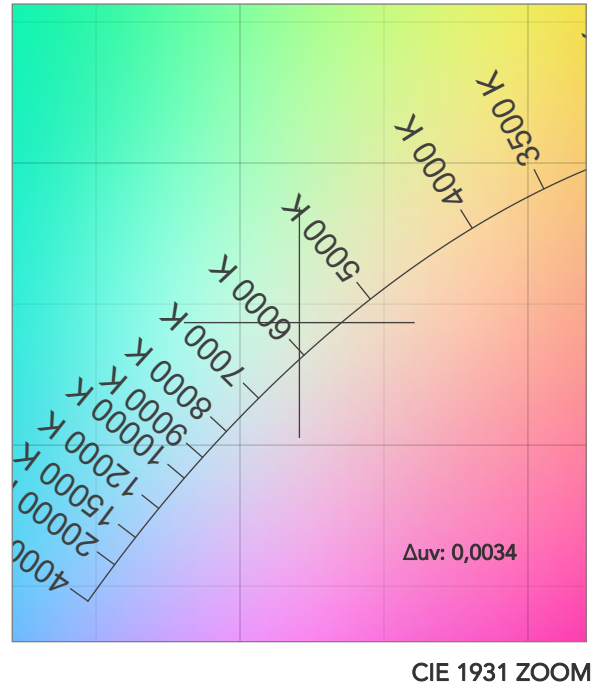
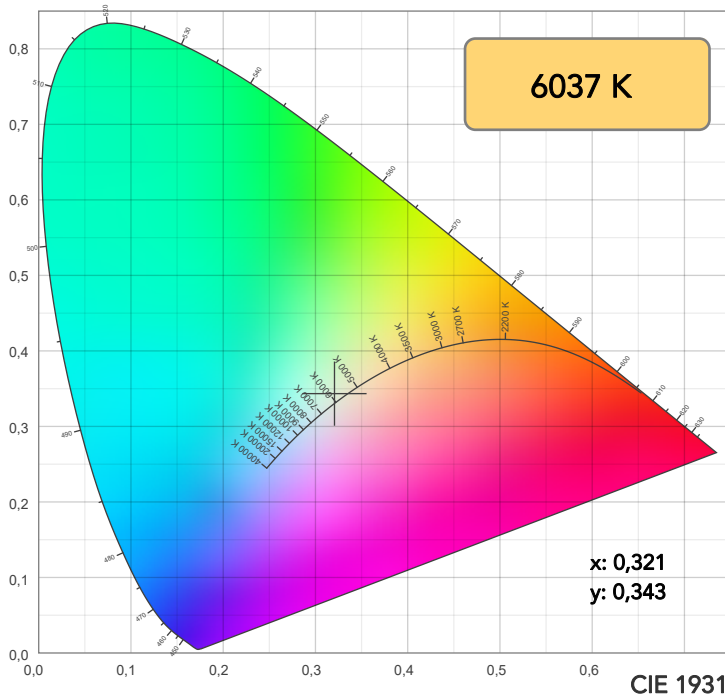
Field angle 10%: 49,1°

Cut off angle 2.5%: 53,8°

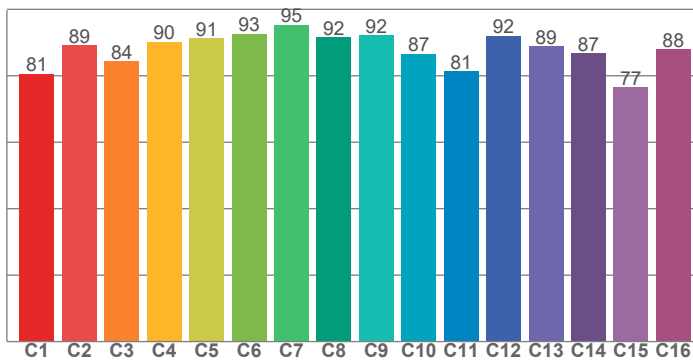
Spectra



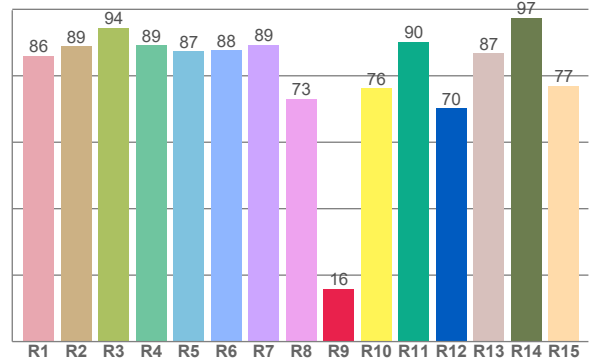
COLOR DETAILS



TM30: 87,7



CRI: 87,0 (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
86,1	88,8	94,5	89,2	87,4	87,7	89,3	73,1	15,9	76,3	90,2	70,2	86,9	97,5	77,0

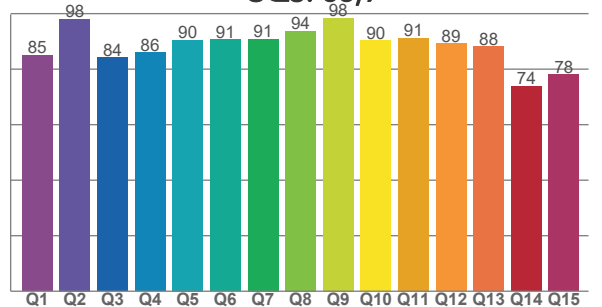
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,6	89,1	84,4	90,2	91,3	92,6	95,4	91,6	92,2	86,5	81,3	91,9	88,8	86,7	76,5	87,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
85,0	98,2	84,1	86,0	90,5	90,7	90,8	93,7	98,4	90,3	91,3	89,2	88,2	73,8	78,1

CQS: 86,9



COLOR PARAMETERS

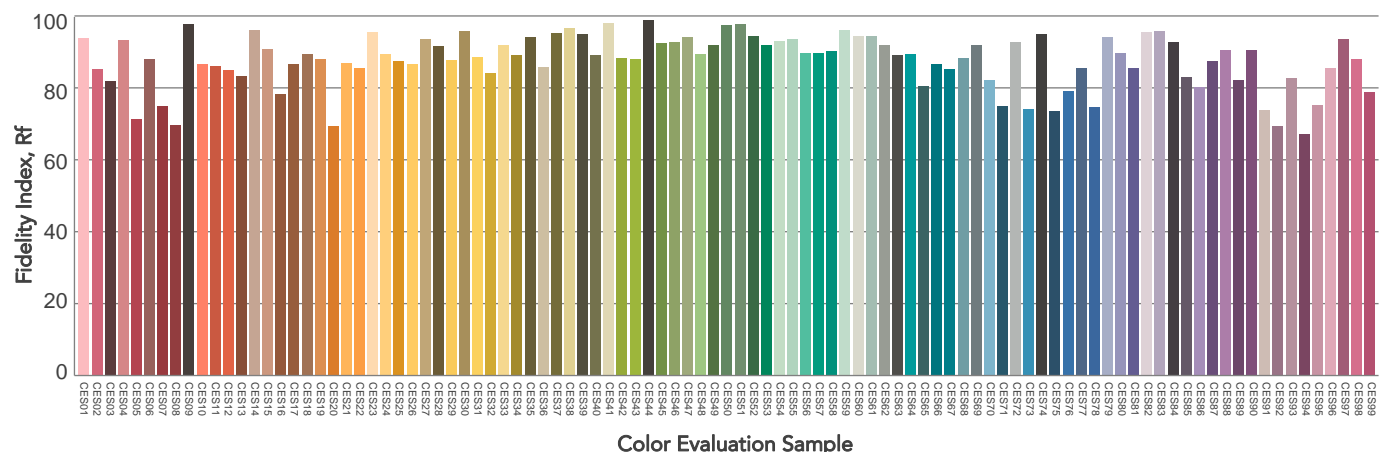
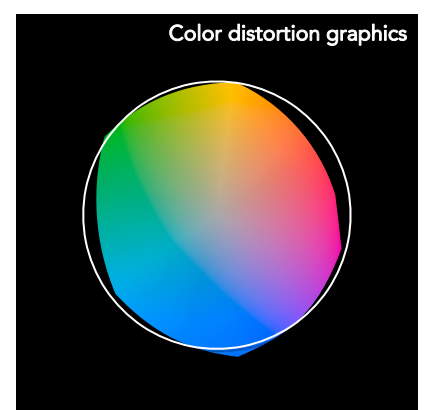
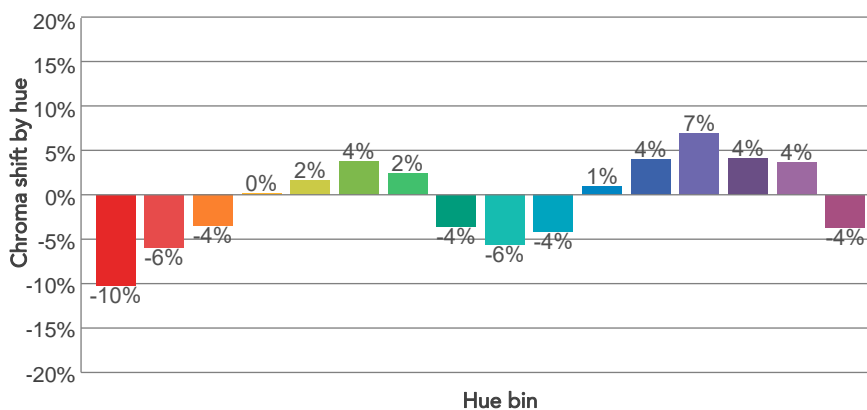
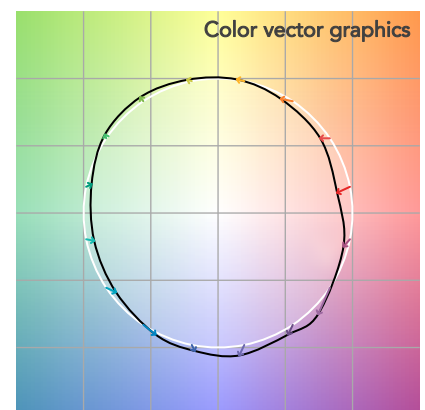
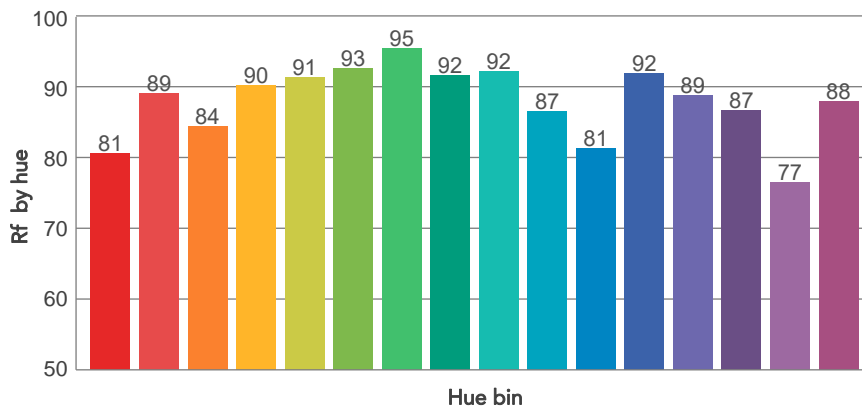
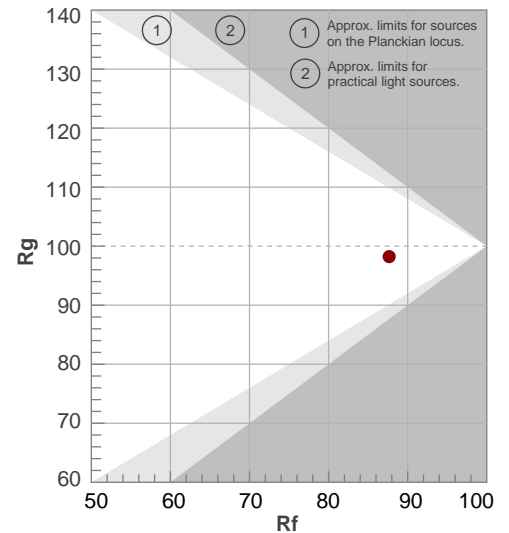
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6037 K	87,0	15,9	87,7	98,2	86,9	76	0,321	0,343	0,0034

TM30 DETAILS

Rf 87,7
Fidelity index Rf

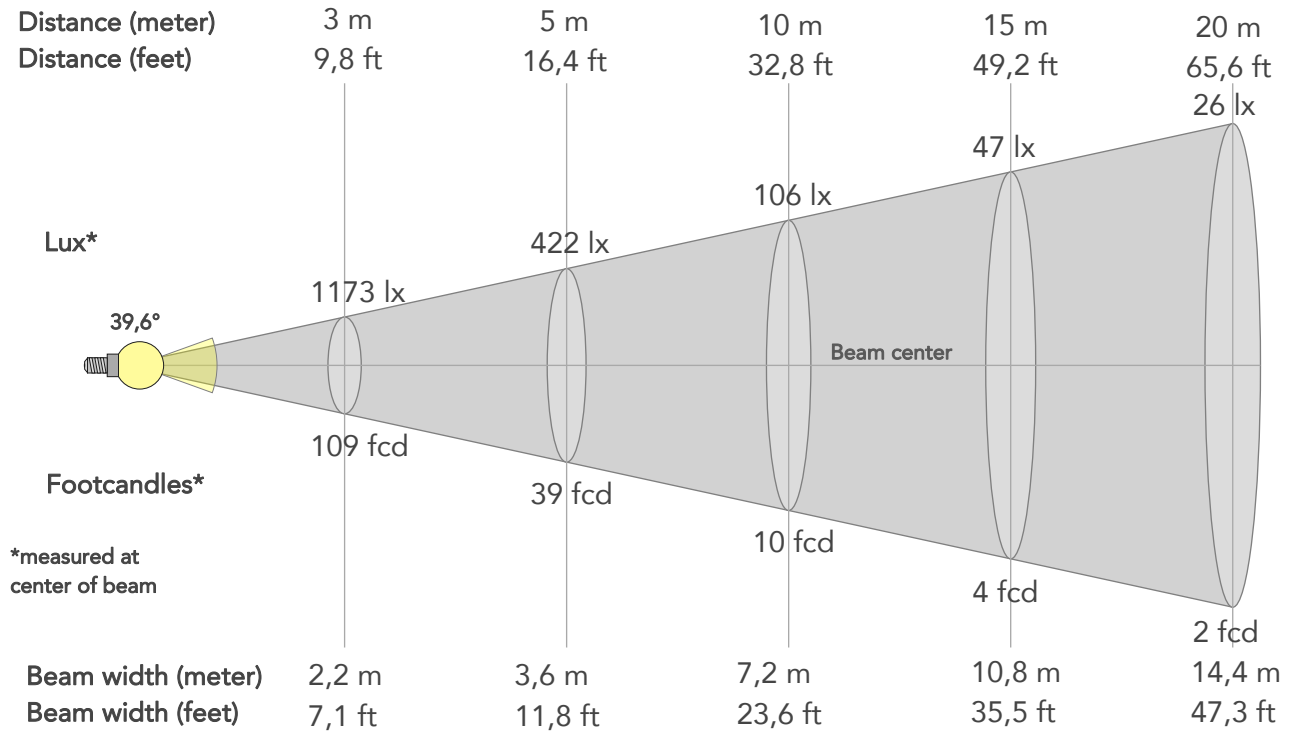
Rg 98,2
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	81	-10%	-2%
2	89	-6%	4%
3	84	-4%	8%
4	90	0%	6%
5	91	2%	3%
6	93	4%	0%
7	95	2%	-2%
8	92	-4%	-3%
9	92	-6%	2%
10	87	-4%	7%
11	81	1%	12%
12	92	4%	3%
13	89	7%	-5%
14	87	4%	-7%
15	77	4%	-21%
16	88	-4%	-6%



BEAM DETAILS

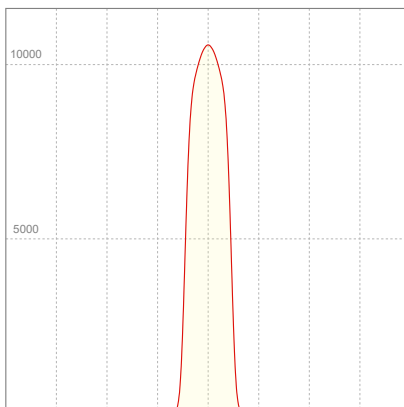
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,6°	49,1°	53,8°	99,0%	98,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	10555lx	2639lx	1173lx	660lx	422lx	188lx	106lx	47lx	26lx	17lx	12lx	7lx	4lx
Footcand.	981fcd	245fcd	109fcd	61fcd	39fcd	17fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,7m	1,4m	2,2m	2,9m	3,6m	5,4m	7,2m	10,8m	14,4m	18m	21,6m	28,8m	36,1m
Beam wid.	2,4ft	4,8ft	7,1ft	9,4ft	11,8ft	17,7ft	23,6ft	35,5ft	47,3ft	59,1ft	70,9ft	94,6ft	118,2ft

LINEAR DISTRIBUTION DIAGRAM

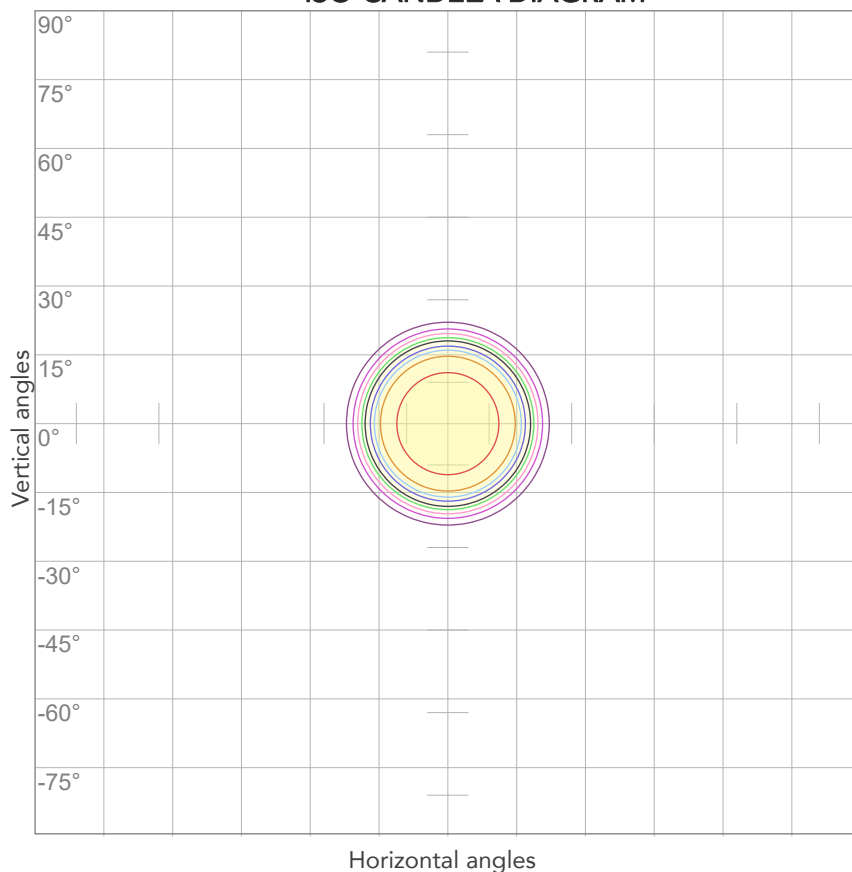


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,860A	190,7W	0,98	21lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



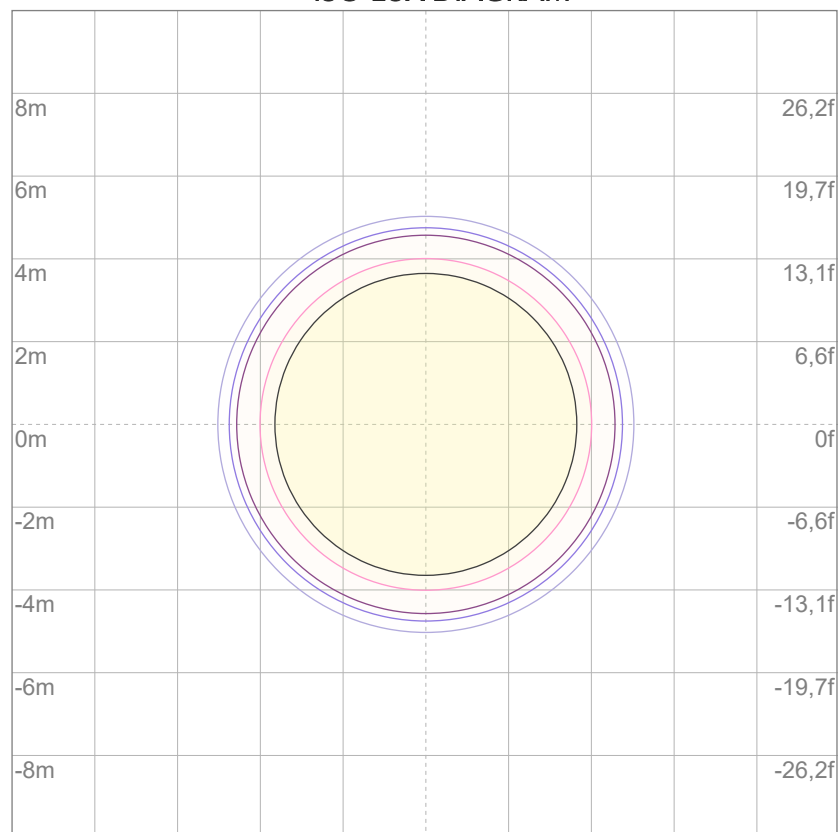
10%	1055 cd
20%	2111 cd
30%	3166 cd
40%	4222 cd
50%	5277 cd
60%	6333 cd
70%	7388 cd
80%	8444 cd

Conditions:

Number of c-planes: 2

Candela at center: 10555 cd

ISO LUX DIAGRAM



3%	3,17 lx
5%	5,28 lx
10%	10,6 lx
30%	31,7 lx
50%	52,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 106 lx

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



Total lumen output:

2846 lm

Peak candela output:

25718 cd

Light quality:

CRI: 87,2

Color temperature:

6036 K

PRODUCT NAME:

ECLFRCTPSPCLK

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

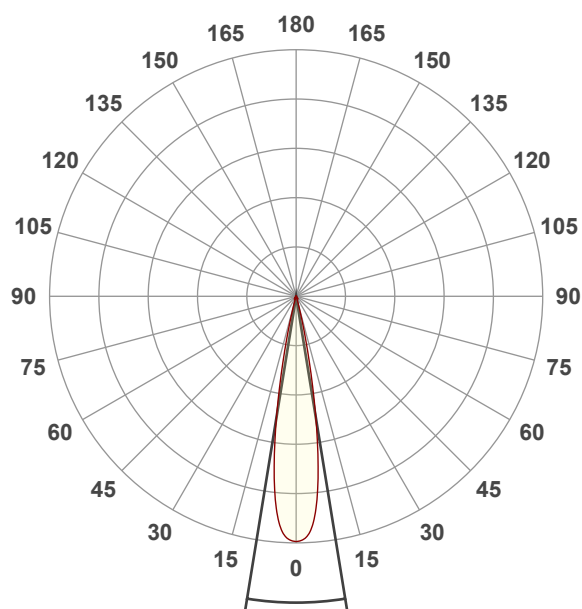
6000K- HB - RAW Mode

Operator:

Salvatore Giglio

Date and time:

30/05/2024 17:19:14

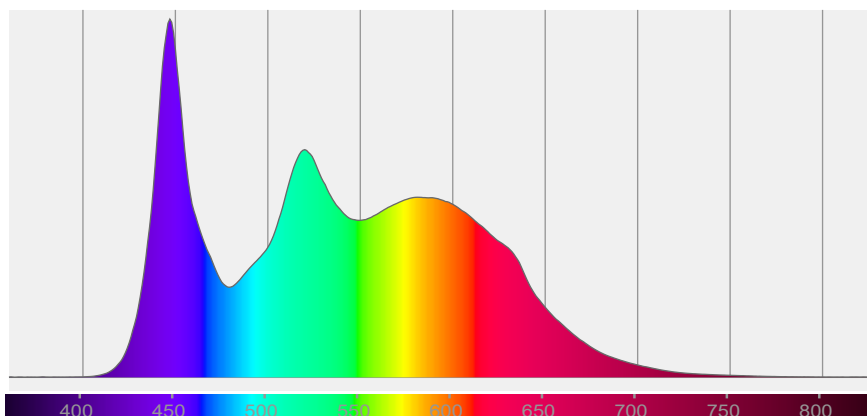


Beam angle 50%: 18,4°

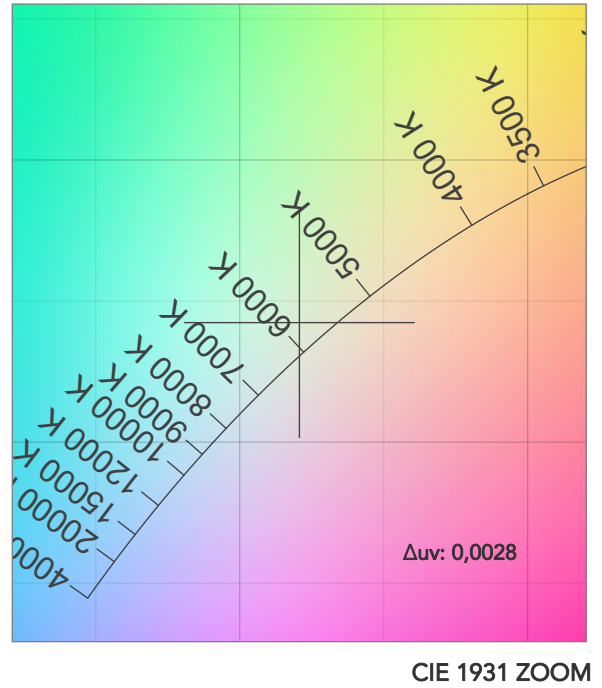
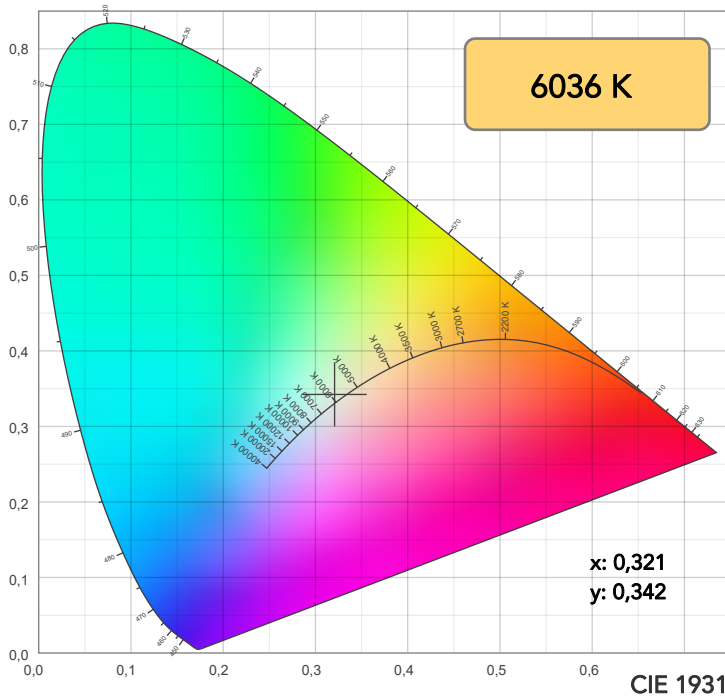
Field angle 10%: 27,5°

Cut off angle 2.5%: 32,2°

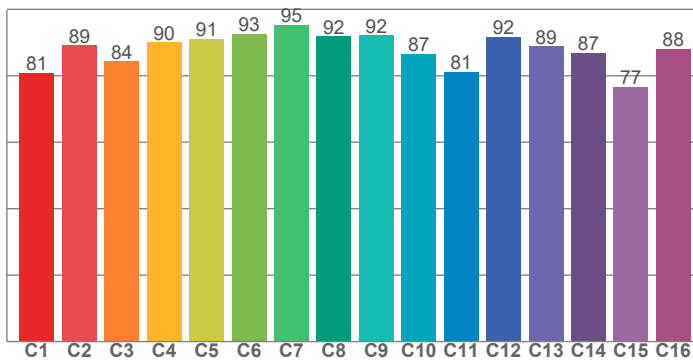
Spectra



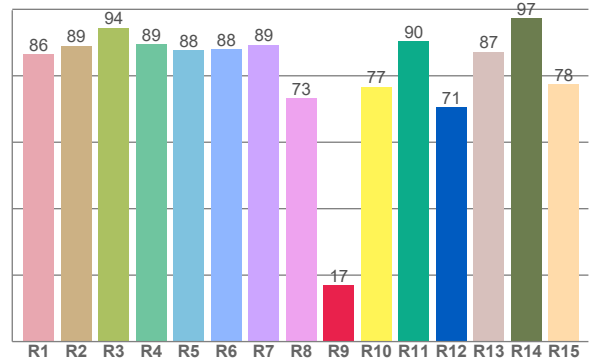
COLOR DETAILS



TM30: 87,7



CRI: 87,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
86,5	89,0	94,4	89,5	87,7	87,9	89,3	73,3	16,9	76,7	90,5	70,6	87,2	97,4	77,5

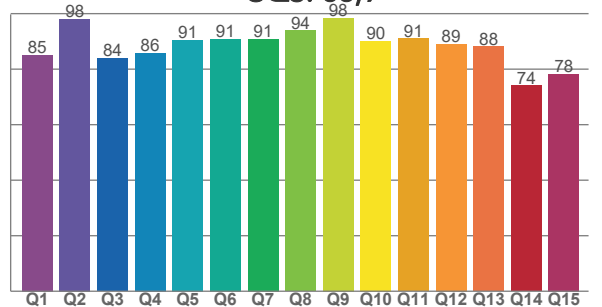
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,8	89,1	84,3	90,1	91,2	92,6	95,4	91,8	92,2	86,5	81,2	91,8	88,8	86,9	76,7	88,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
85,1	98,1	83,9	85,8	90,5	90,8	90,9	93,9	98,4	90,1	91,0	89,0	88,1	74,0	78,2

CQS: 86,9



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
6036 K	87,2	16,9	87,7	98,4	86,9	77	0,321	0,342	0,0028

TM30 DETAILS

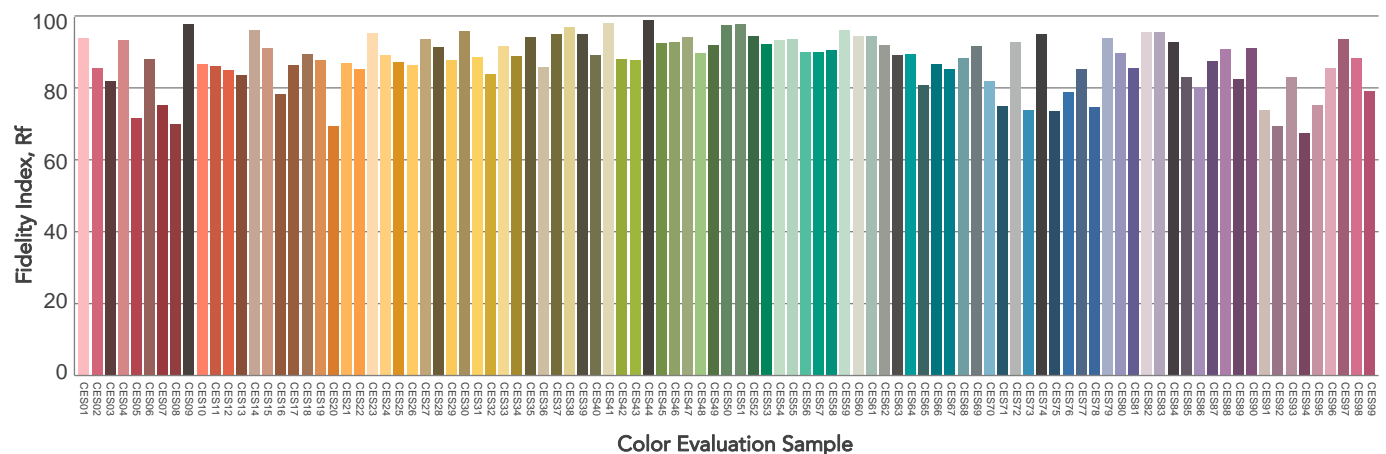
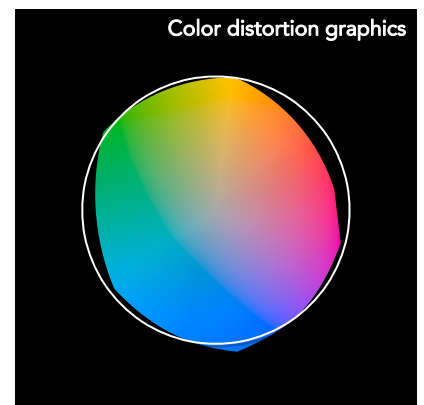
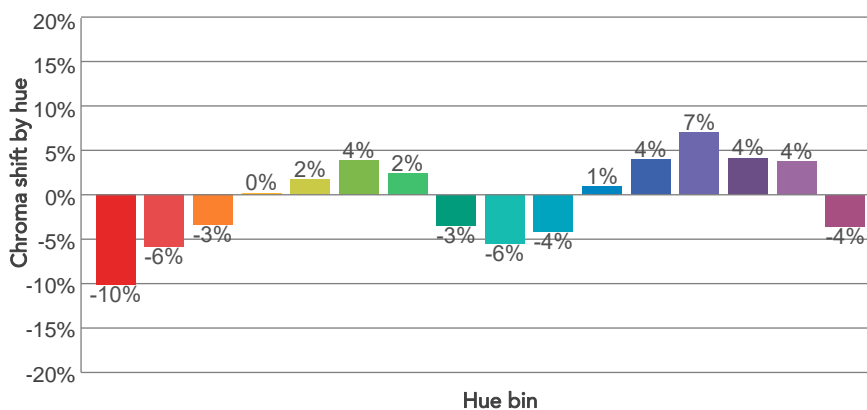
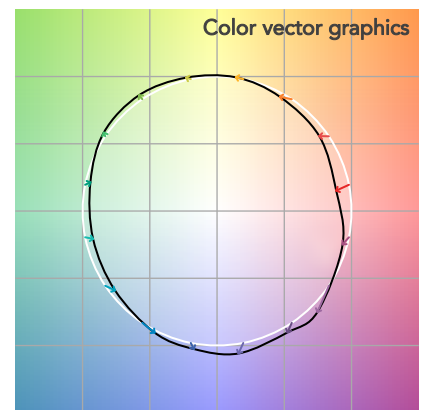
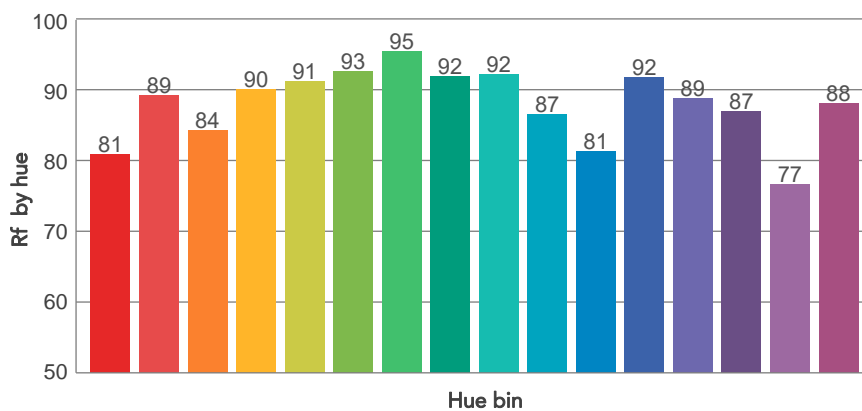
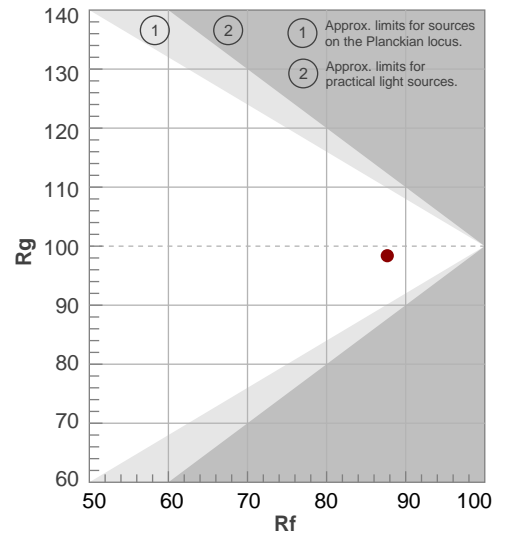
Rf 87,7

Fidelity index R_f

Rg 98,4

Gammut index

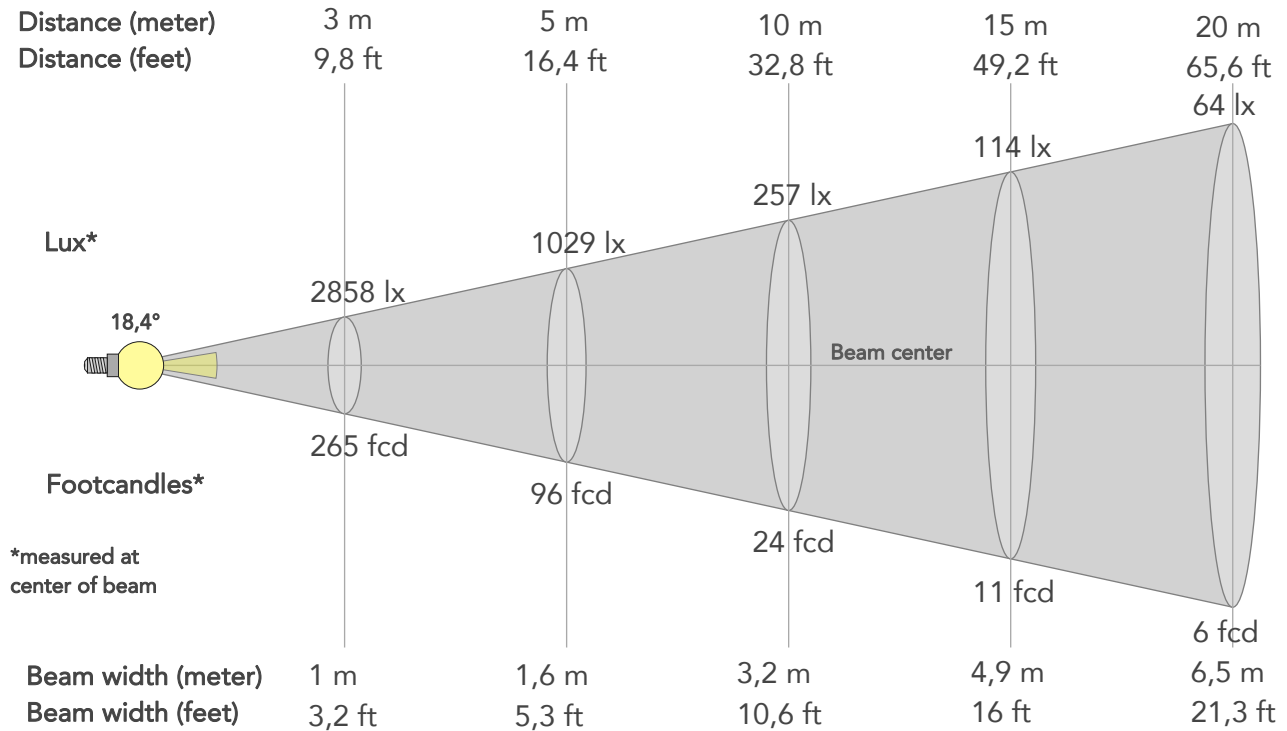
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	81	-10%	-2%
2	89	-6%	4%
3	84	-3%	8%
4	90	0%	6%
5	91	2%	3%
6	93	4%	0%
7	95	2%	-2%
8	92	-3%	-3%
9	92	-6%	2%
10	87	-4%	7%
11	81	1%	12%
12	92	4%	3%
13	89	7%	-5%
14	87	4%	-7%
15	77	4%	-21%
16	88	-4%	-6%



BEAM DETAILS



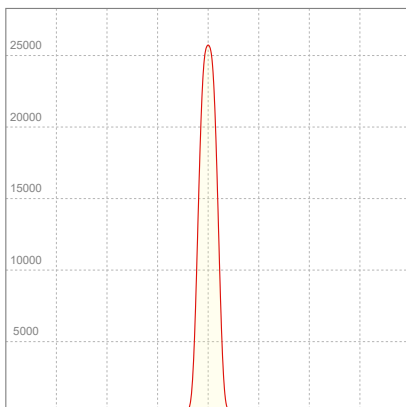
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,4°	27,5°	32,2°	98,7%	96,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	25718lx	6429lx	2858lx	1607lx	1029lx	457lx	257lx	114lx	64lx	41lx	29lx	16lx	10lx
Footcand.	2389fcd	597fcd	265fcd	149fcd	96fcd	42fcd	24fcd	11fcd	6fcd	4fcd	3fcd	1fcd	1fcd
Beam wid.	0,3m	0,6m	1m	1,3m	1,6m	2,4m	3,2m	4,9m	6,5m	8,1m	9,7m	13m	16,2m
Beam wid.	1,1ft	2,1ft	3,2ft	4,3ft	5,3ft	8ft	10,6ft	16ft	21,3ft	26,6ft	31,9ft	42,6ft	53,2ft

LINEAR DISTRIBUTION DIAGRAM

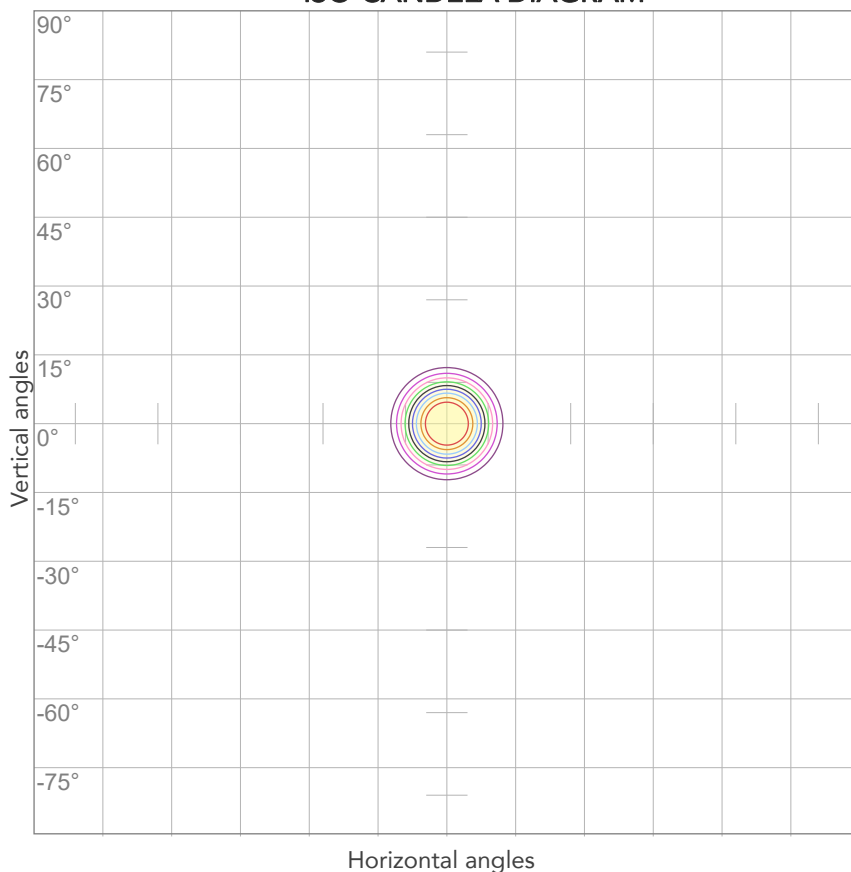


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,852A	191,2W	0,99	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



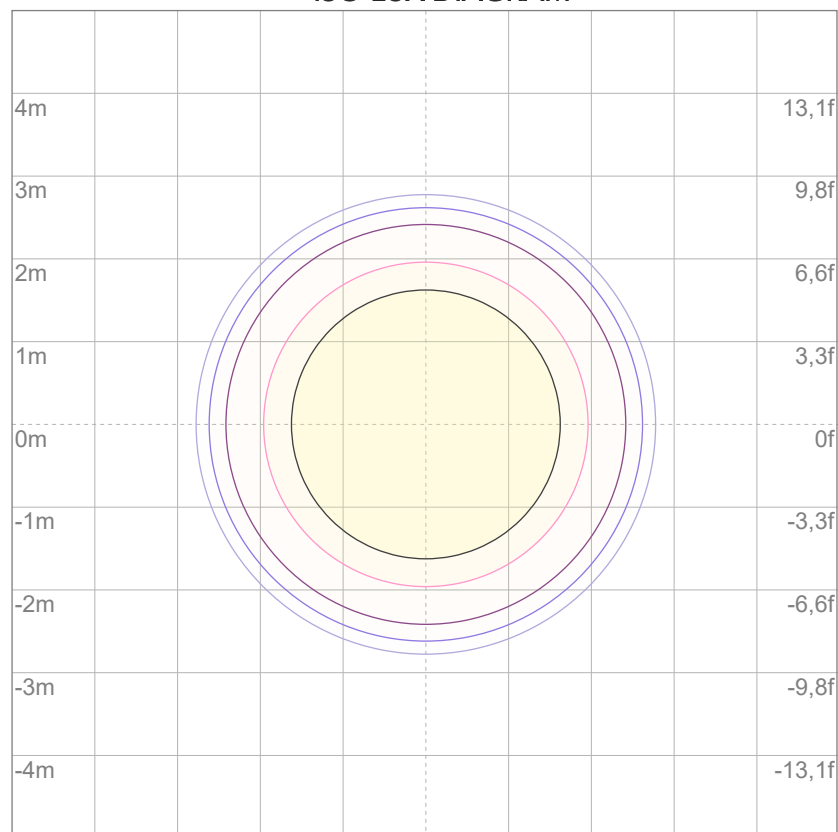
10%	2572 cd
20%	5144 cd
30%	7715 cd
40%	10287 cd
50%	12859 cd
60%	15431 cd
70%	18003 cd
80%	20574 cd

Conditions:

Number of c-planes: 2

Candela at center: 25718 cd

ISO LUX DIAGRAM



3%	7,72 lx
5%	12,9 lx
10%	25,7 lx
30%	77,2 lx
50%	129 lx

Conditions:

Number of c-planes: 2

Lux at center: 257 lx

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