

Photometric Test Report



MOSAICOFX100FC

100W RGBW IP66 modular LED image projector
with dual effect wheel and gobo slot

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TESTING PROCESS

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

Prolights measurement instrument

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

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

Prolights measurement software

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

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



Total lumen output:

1512 lm

Peak candela output:

20920 cd

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 15° MFX100LWGN

Target:

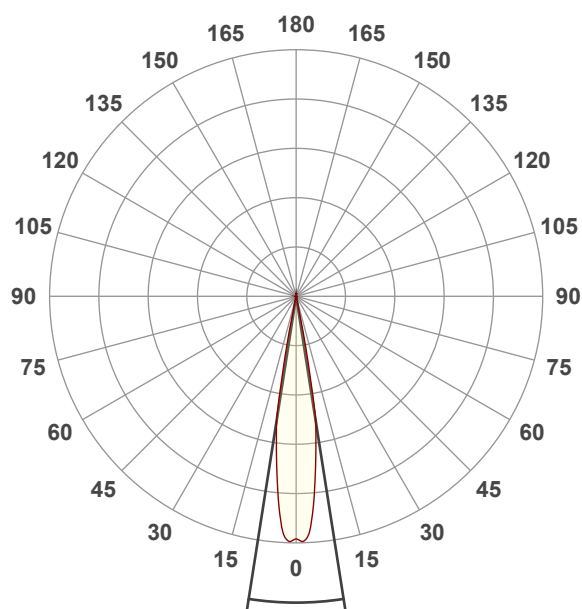
Full On

Operator:

Salvatore Giglio

Date and time:

30/08/2024 10:40:15

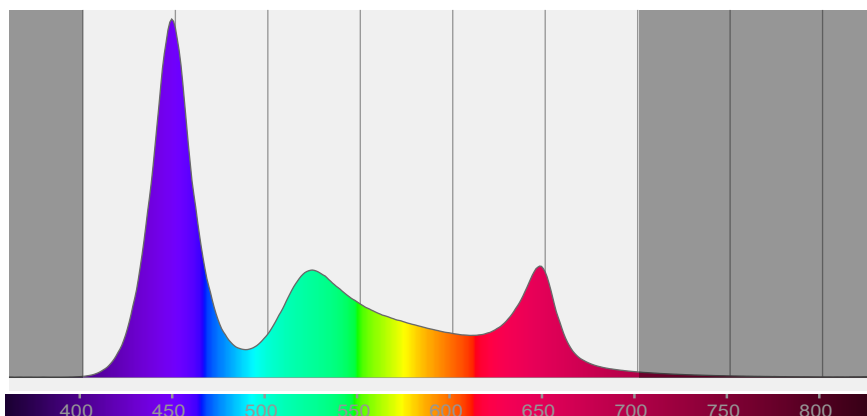


Beam angle 50%: 17,8°

Field angle 10%: 23°

Cut off angle 2.5%: 24,1°

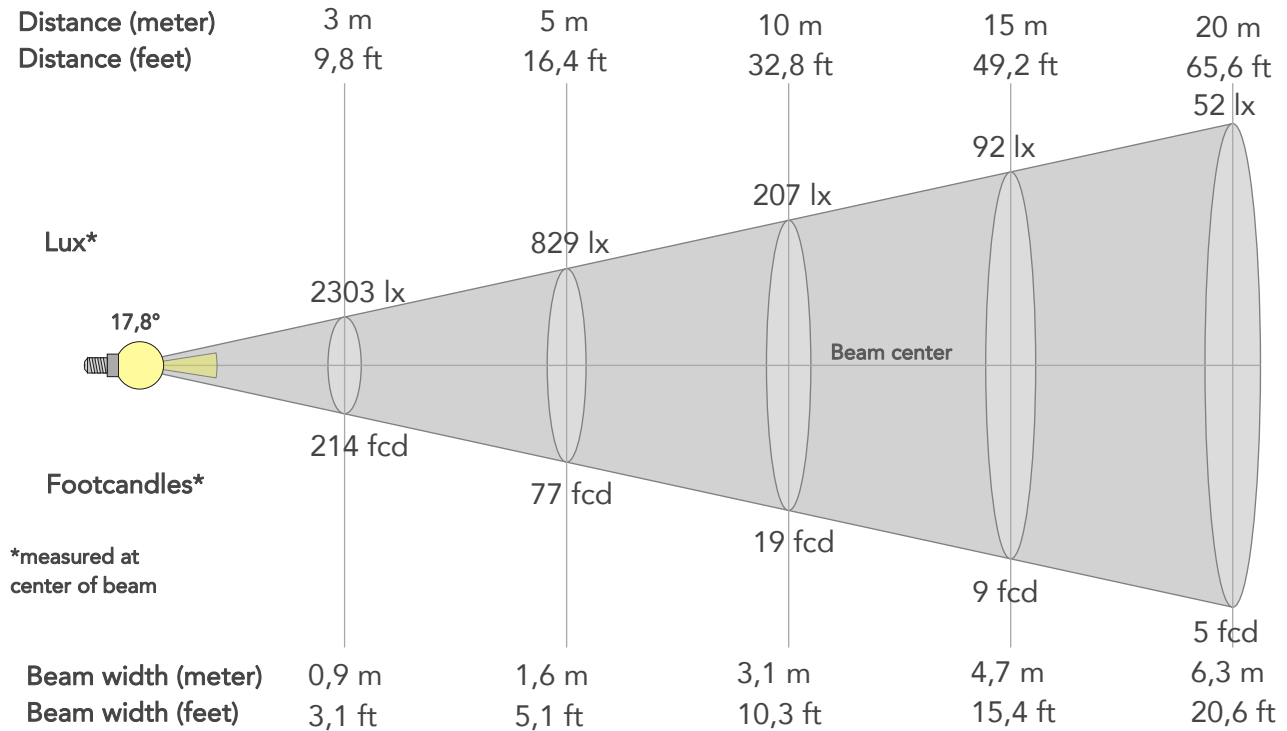
Spectra



BEAM DETAILS



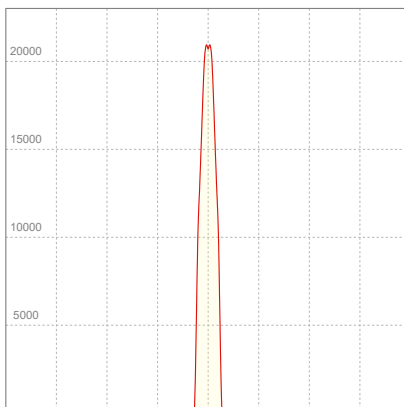
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,8°	23°	24,1°	99,5%	99,4%



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	20726lx	5182lx	2303lx	1295lx	829lx	368lx	207lx	92lx	52lx	33lx	23lx	13lx	8lx
Footcand.	1926fcd	481fcd	214fcd	120fcd	77fcd	34fcd	19fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,3m	0,6m	0,9m	1,3m	1,6m	2,4m	3,1m	4,7m	6,3m	7,8m	9,4m	12,5m	15,7m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,1ft	7,7ft	10,3ft	15,4ft	20,6ft	25,7ft	30,9ft	41,2ft	51,5ft

LINEAR DISTRIBUTION DIAGRAM

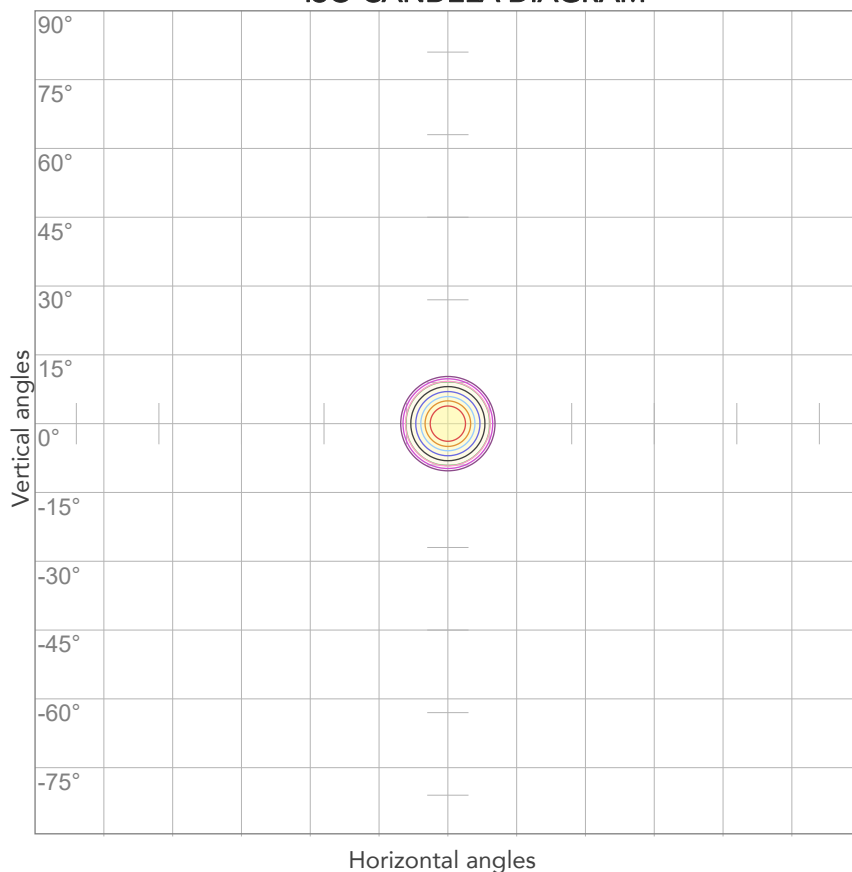


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
222V	0,496A	105,2W	0,95	14lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



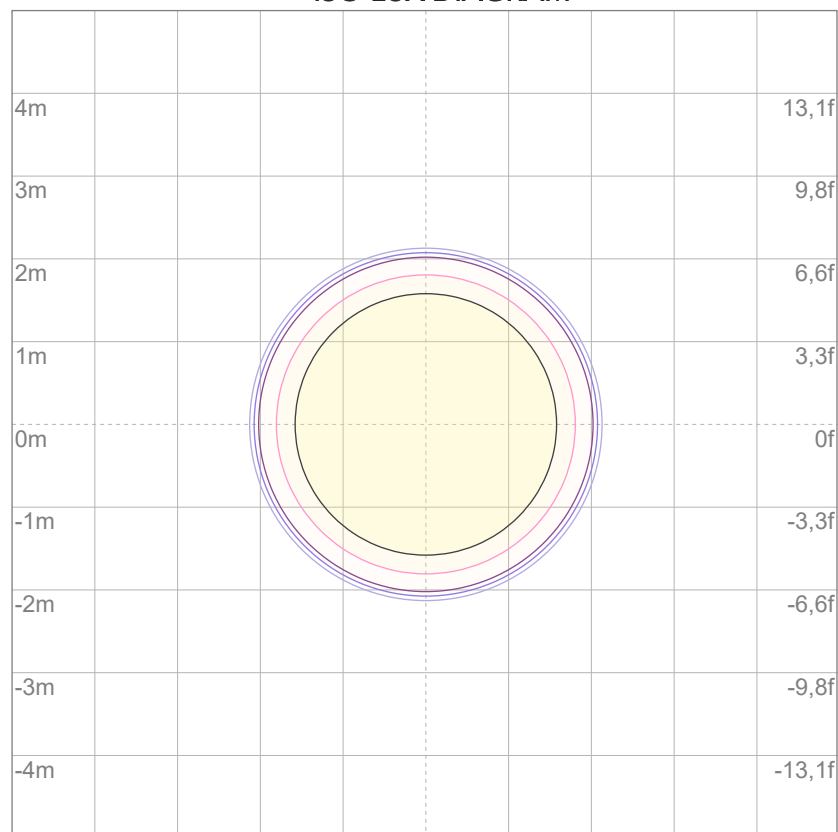
10%	2073 cd
20%	4145 cd
30%	6218 cd
40%	8291 cd
50%	10363 cd
60%	12436 cd
70%	14508 cd
80%	16581 cd

Conditions:

Number of c-planes: 2

Candela at center: 20726 cd

ISO LUX DIAGRAM



3%	6,22 lx
5%	10,4 lx
10%	20,7 lx
30%	62,2 lx
50%	104 lx

Conditions:

Number of c-planes: 2

Lux at center: 207 lx

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



Total lumen output:

1487 lm

Peak candela output:

11687 cd

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 30° MFX100LWTM

Target:

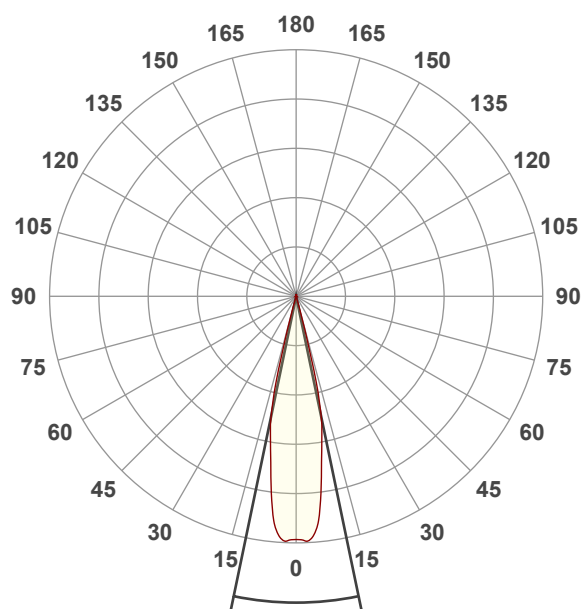
Full On

Operator:

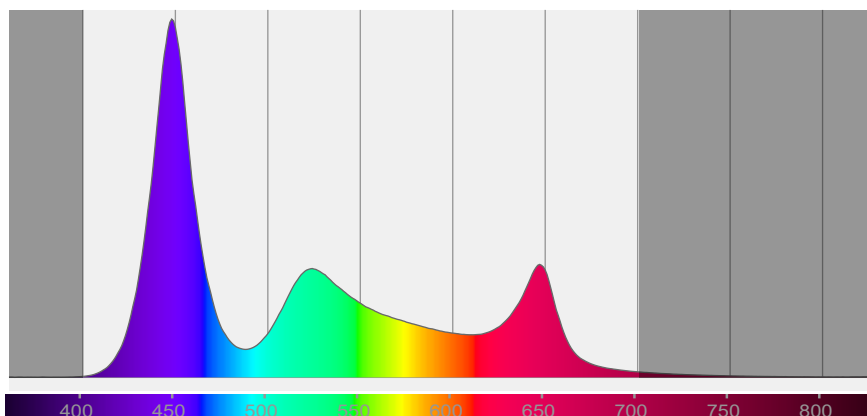
Salvatore Giglio

Date and time:

30/08/2024 12:45:19



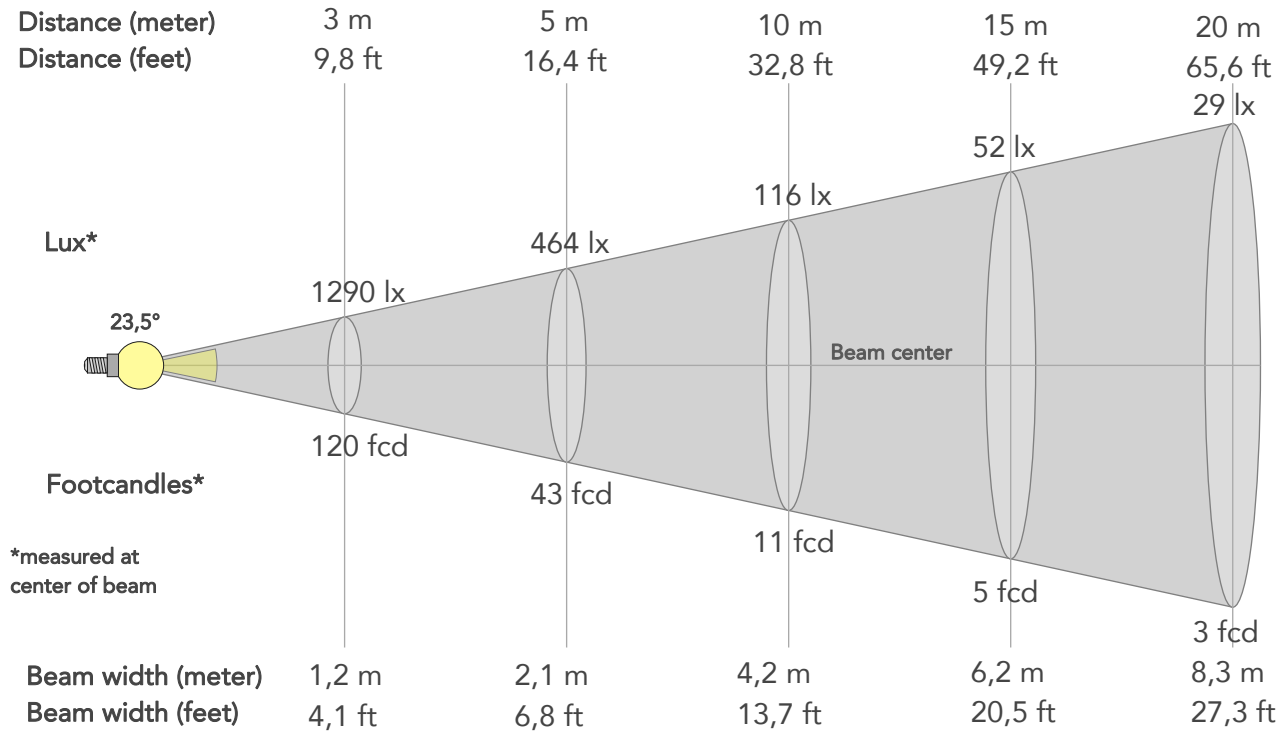
Spectra



BEAM DETAILS



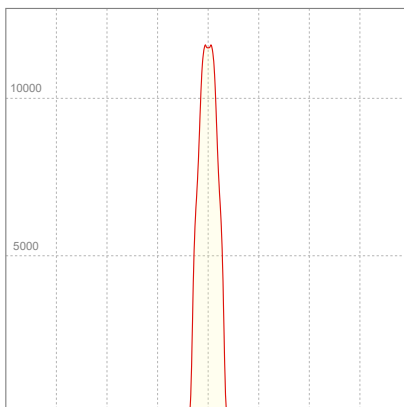
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,5°	30,1°	31,9°	99,2%	99,0%



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	11612lx	2903lx	1290lx	726lx	464lx	206lx	116lx	52lx	29lx	19lx	13lx	7lx	5lx
Footcand.	1079fcd	270fcd	120fcd	67fcd	43fcd	19fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,2m	6,2m	8,3m	10,4m	12,5m	16,7m	20,8m
Beam wid.	1,4ft	2,7ft	4,1ft	5,5ft	6,8ft	10,2ft	13,7ft	20,5ft	27,3ft	34,1ft	41ft	54,6ft	68,3ft

LINEAR DISTRIBUTION DIAGRAM

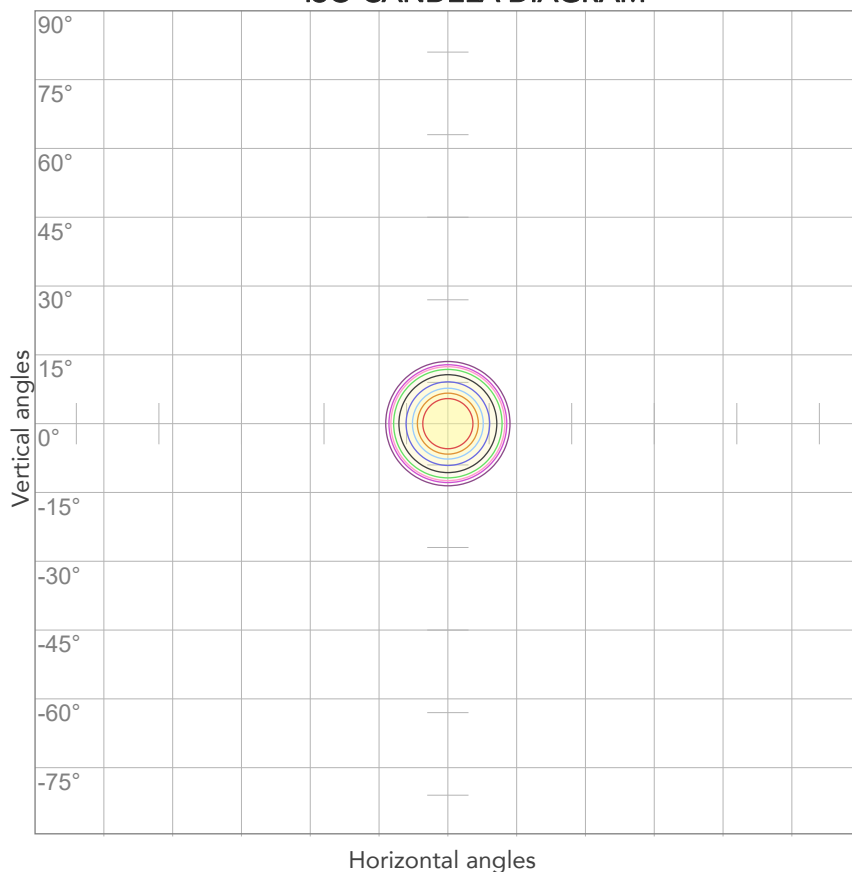


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,461A	103,8W	0,95	14lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



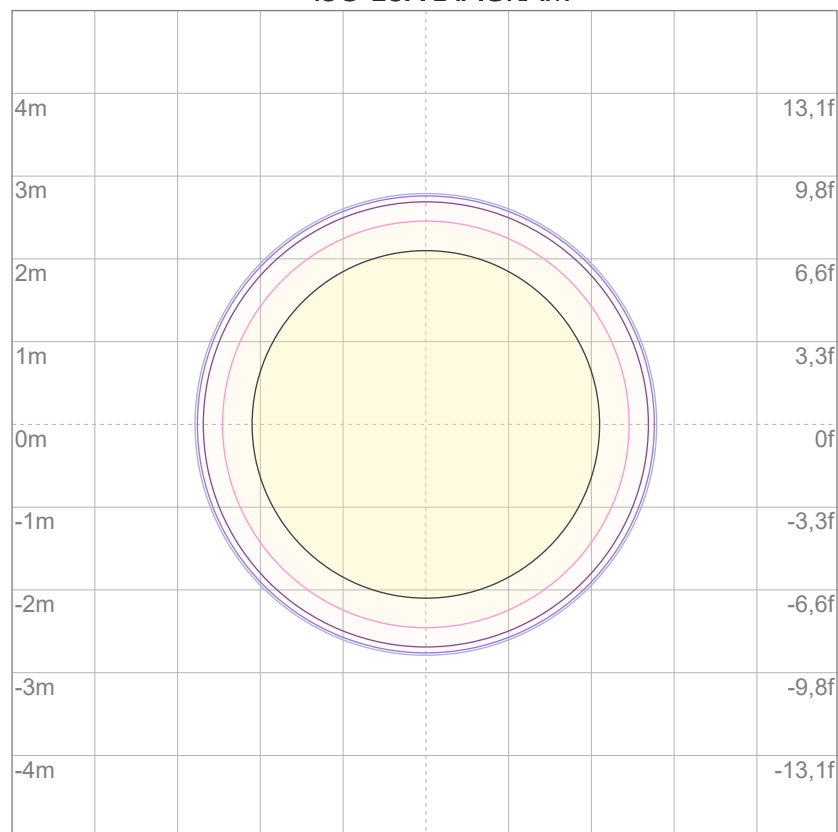
10%	1161 cd
20%	2322 cd
30%	3484 cd
40%	4645 cd
50%	5806 cd
60%	6967 cd
70%	8129 cd
80%	9290 cd

Conditions:

Number of c-planes: 2

Candela at center: 11612 cd

ISO LUX DIAGRAM



3%	3,48 lx
5%	5,81 lx
10%	11,6 lx
30%	34,8 lx
50%	58,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 116 lx

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



Total lumen output:

1572 lm

Peak candela output:

4907 cd

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 50° MFX100LWTM

Target:

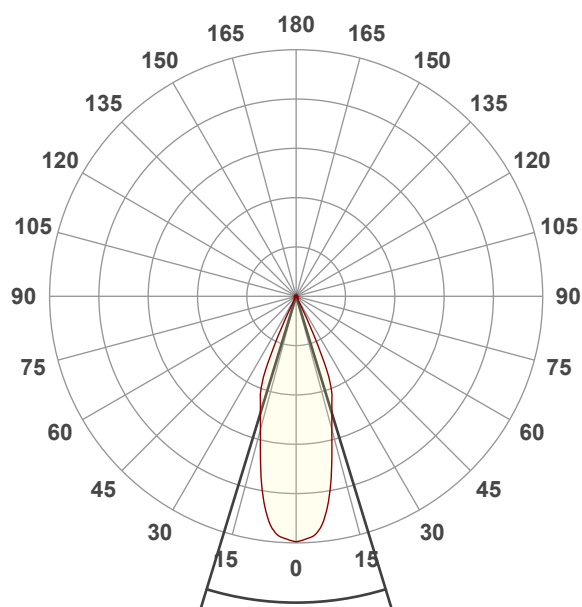
Full On

Operator:

Salvatore Giglio

Date and time:

29/08/2024 12:34:13

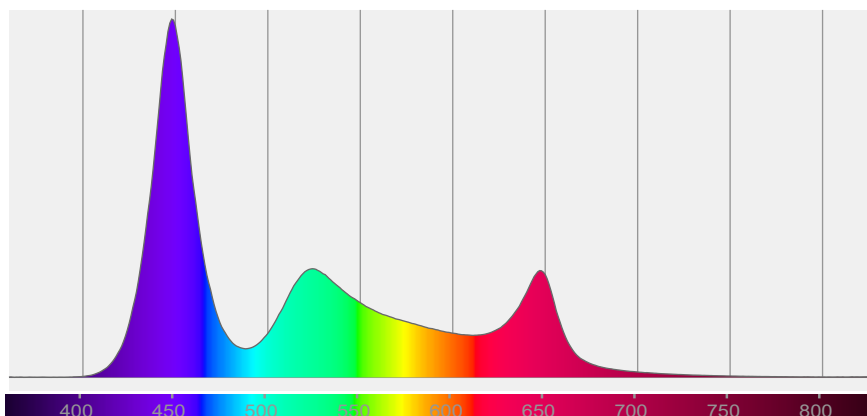


Beam angle 50%: 34°

Field angle 10%: 51,3°

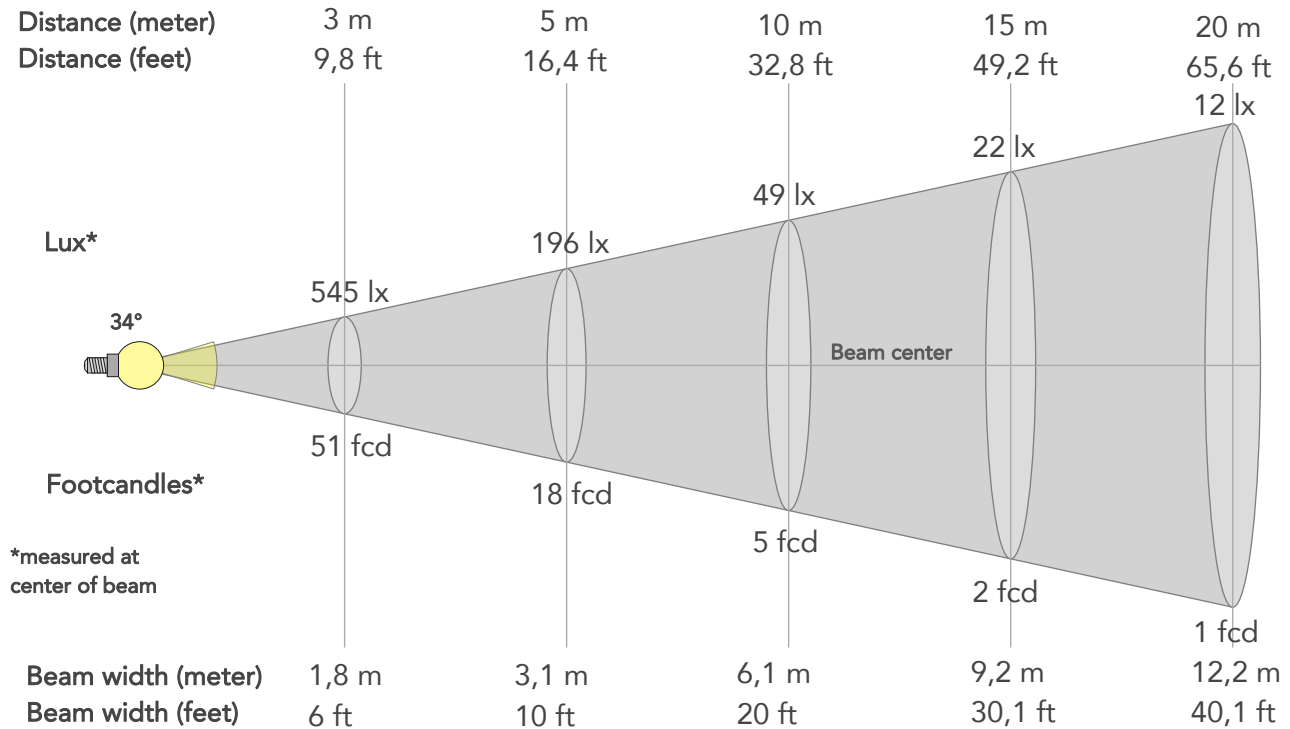
Cut off angle 2.5%: 54,8°

Spectra



BEAM DETAILS

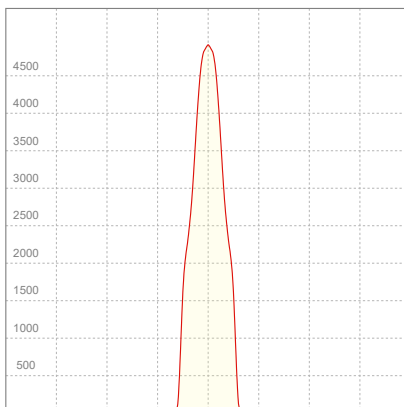
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34°	51,3°	54,8°	99,6%	99,6%



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	4907lx	1227lx	545lx	307lx	196lx	87lx	49lx	22lx	12lx	8lx	5lx	3lx	2lx
Footcand.	456fcd	114fcd	51fcd	28fcd	18fcd	8fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3,1m	4,6m	6,1m	9,2m	12,2m	15,3m	18,3m	24,5m	30,6m
Beam wid.	2ft	4ft	6ft	8ft	10ft	15ft	20ft	30,1ft	40,1ft	50,1ft	60,1ft	80,2ft	100,2ft

LINEAR DISTRIBUTION DIAGRAM

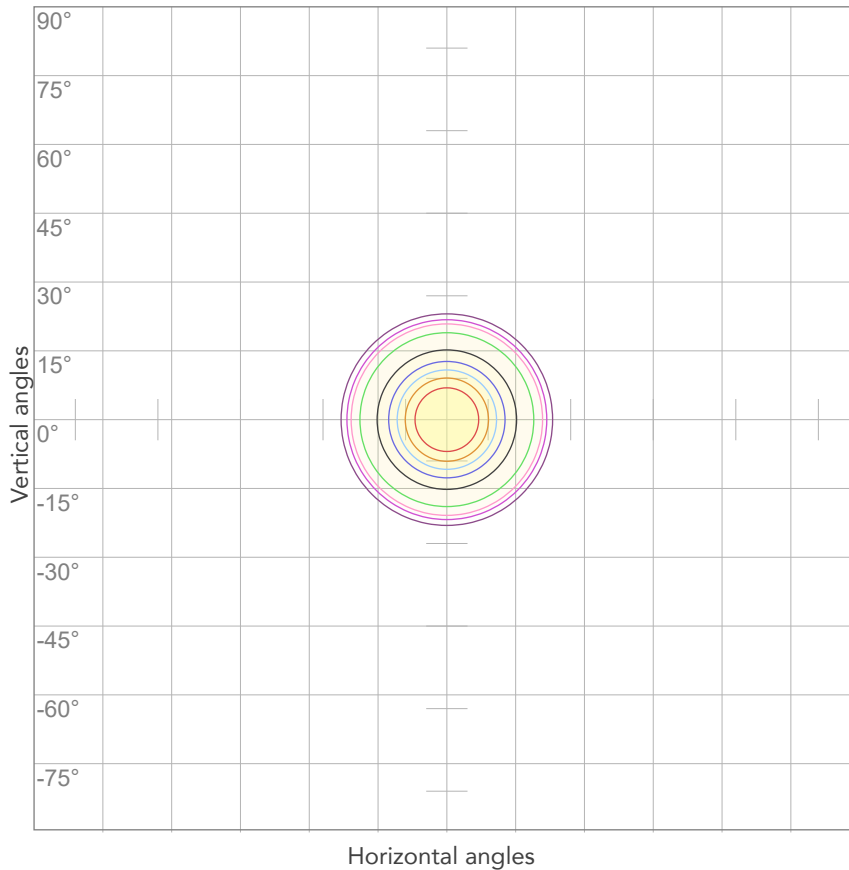


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,483A	103,3W	0,95	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



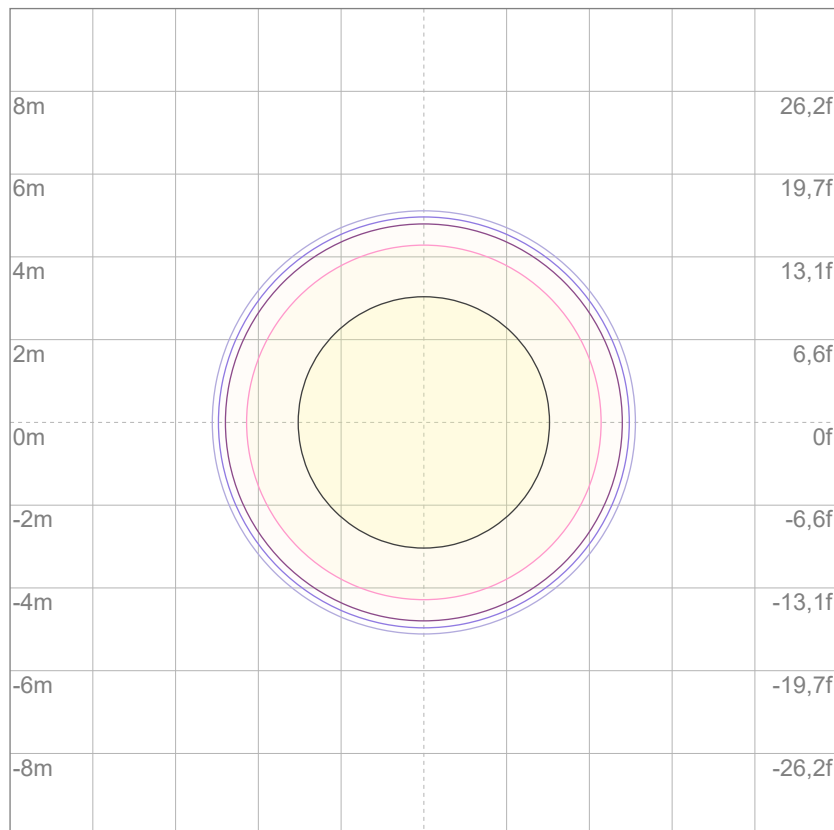
10%	491 cd
20%	981 cd
30%	1472 cd
40%	1963 cd
50%	2454 cd
60%	2944 cd
70%	3435 cd
80%	3926 cd

Conditions:

Number of c-planes: 2

Candela at center: 4907 cd

ISO LUX DIAGRAM



3%	1,47 lx
5%	2,45 lx
10%	4,91 lx
30%	14,7 lx
50%	24,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 49,1 lx

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



Total lumen output:

1092 lm

Peak candela output:

2302 cd

PRODUCT NAME:

Mosaico FX100 FC

MEASUREMENT CONDITIONS:

Beam angle:

Optic 70° MFX100LWGVW

Target:

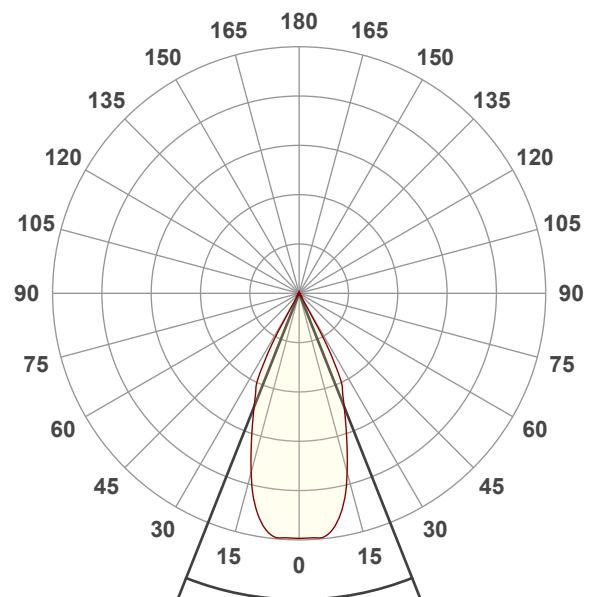
Full On

Operator:

Salvatore Giglio

Date and time:

29/08/2024 16:33:02

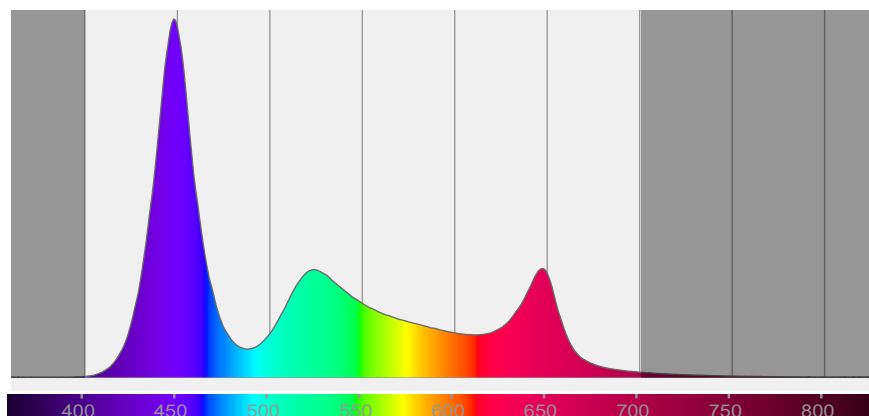


Beam angle 50%: 43,3°

Field angle 10%: 59,7°

Cut off angle 2.5%: 62,5°

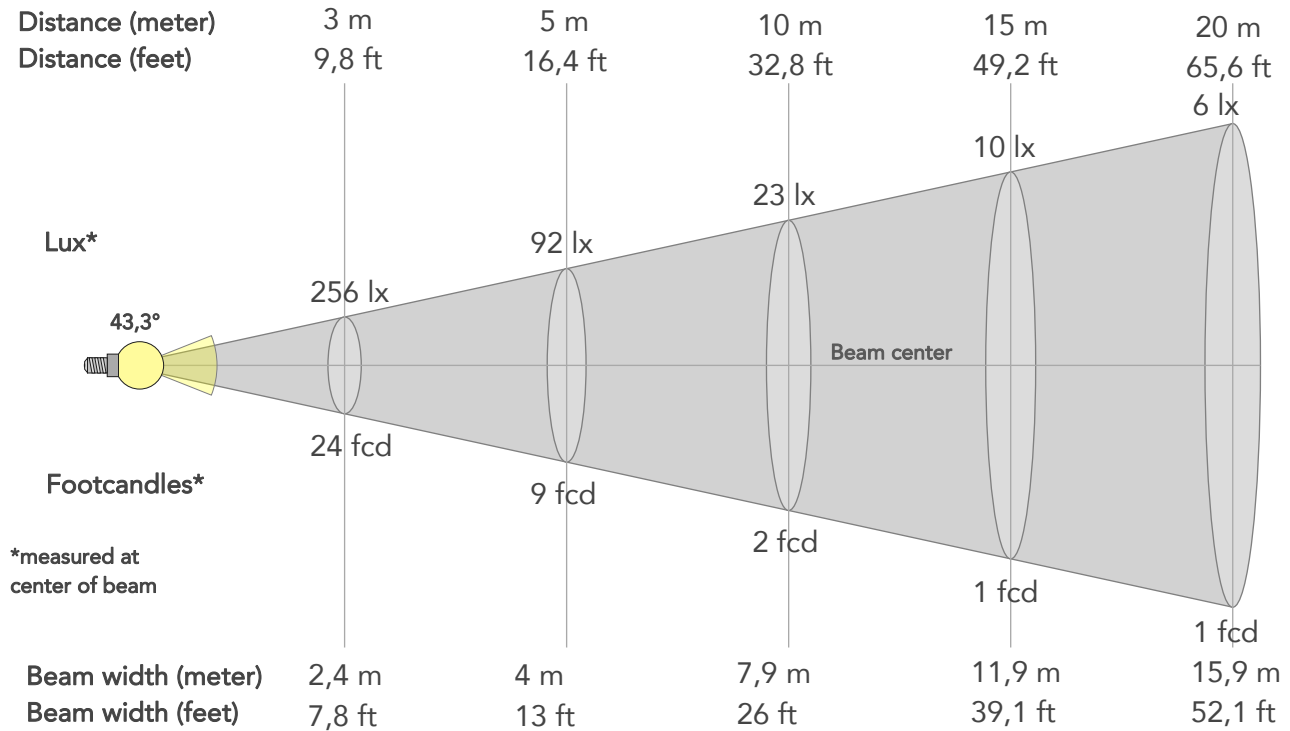
Spectra



BEAM DETAILS



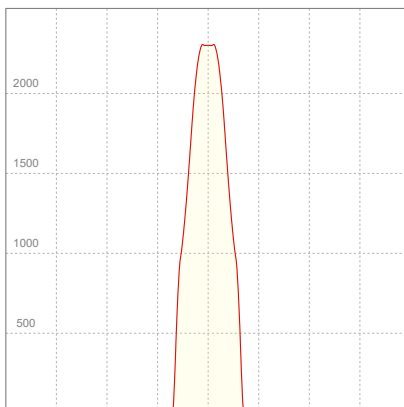
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43,3°	59,7°	62,5°	99,6%	99,4%



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	2301lx	575lx	256lx	144lx	92lx	41lx	23lx	10lx	6lx	4lx	3lx	1lx	1lx
Footcand.	214fcd	53fcd	24fcd	13fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,2m	4m	6m	7,9m	11,9m	15,9m	19,8m	23,8m	31,8m	39,7m
Beam wid.	2,6ft	5,2ft	7,8ft	10,4ft	13ft	19,5ft	26ft	39,1ft	52,1ft	65,1ft	78,1ft	104,2ft	130,2ft

LINEAR DISTRIBUTION DIAGRAM

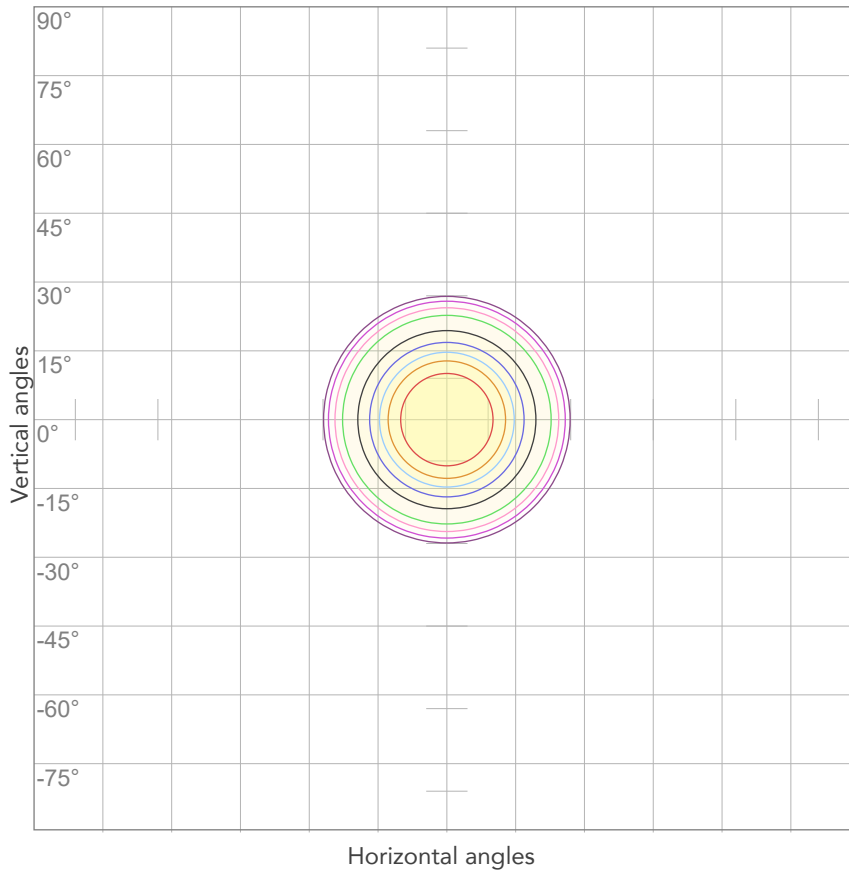


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,490A	104,4W	0,95	10lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



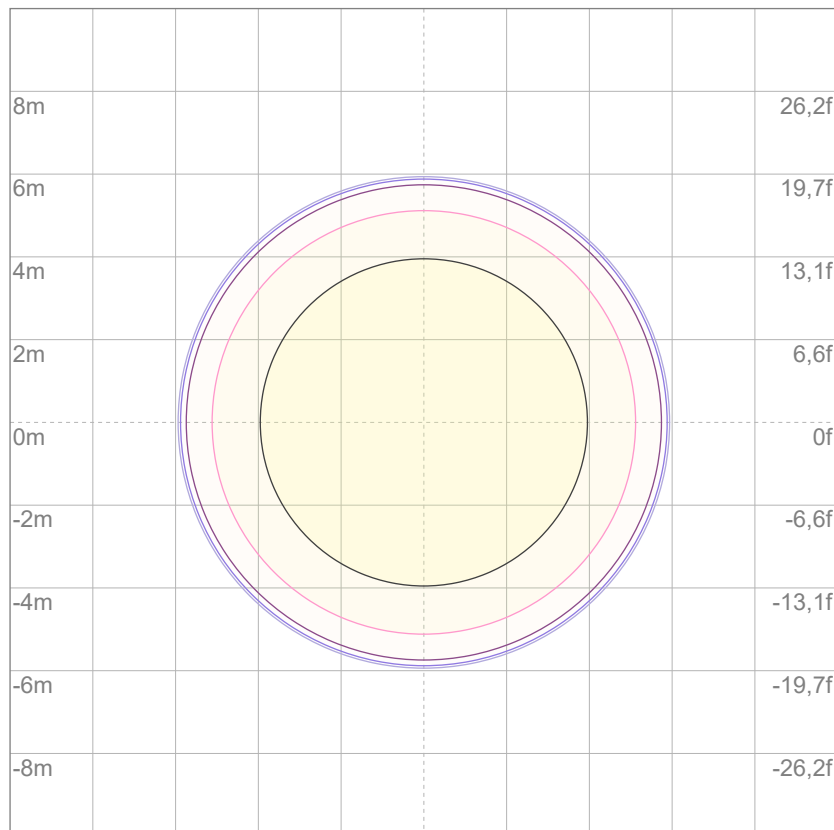
10%	230 cd
20%	460 cd
30%	690 cd
40%	921 cd
50%	1151 cd
60%	1381 cd
70%	1611 cd
80%	1841 cd

Conditions:

Number of c-planes: 2

Candela at center: 2301 cd

ISO LUX DIAGRAM



3%	0,690 lx
5%	1,15 lx
10%	2,30 lx
30%	6,90 lx
50%	11,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 23,0 lx

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



Total lumen output:

1412 lm

Peak candela output:

4934 cd

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 30° MFX100LGBM

Target:

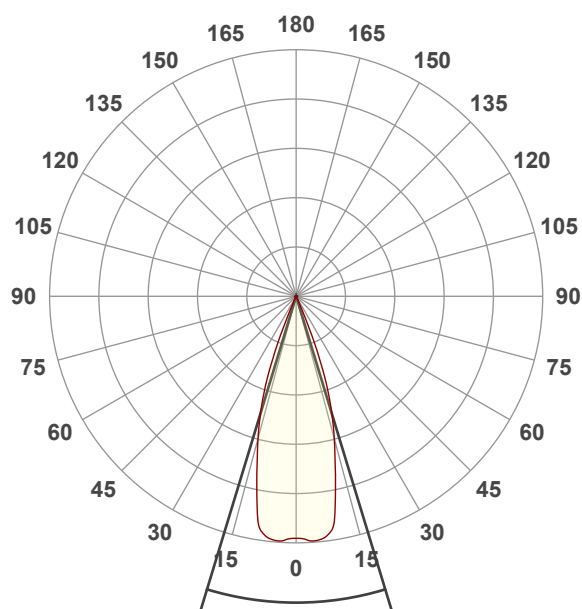
Full On

Operator:

Salvatore Giglio

Date and time:

30/08/2024 12:19:54

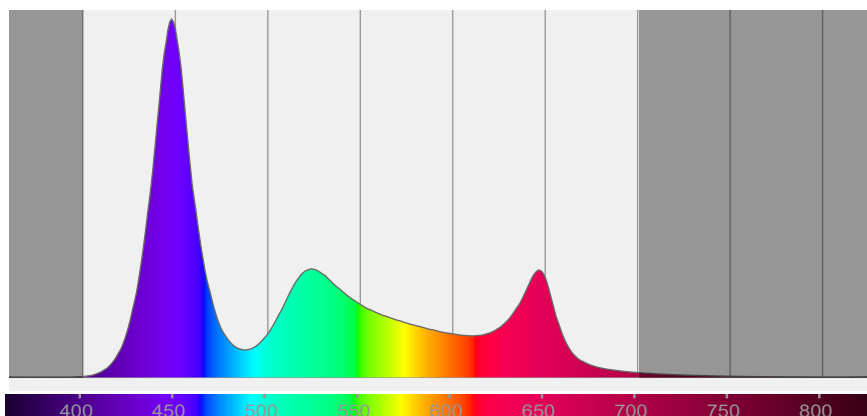


Beam angle 50%: 33,8°

Field angle 10%: 45,9°

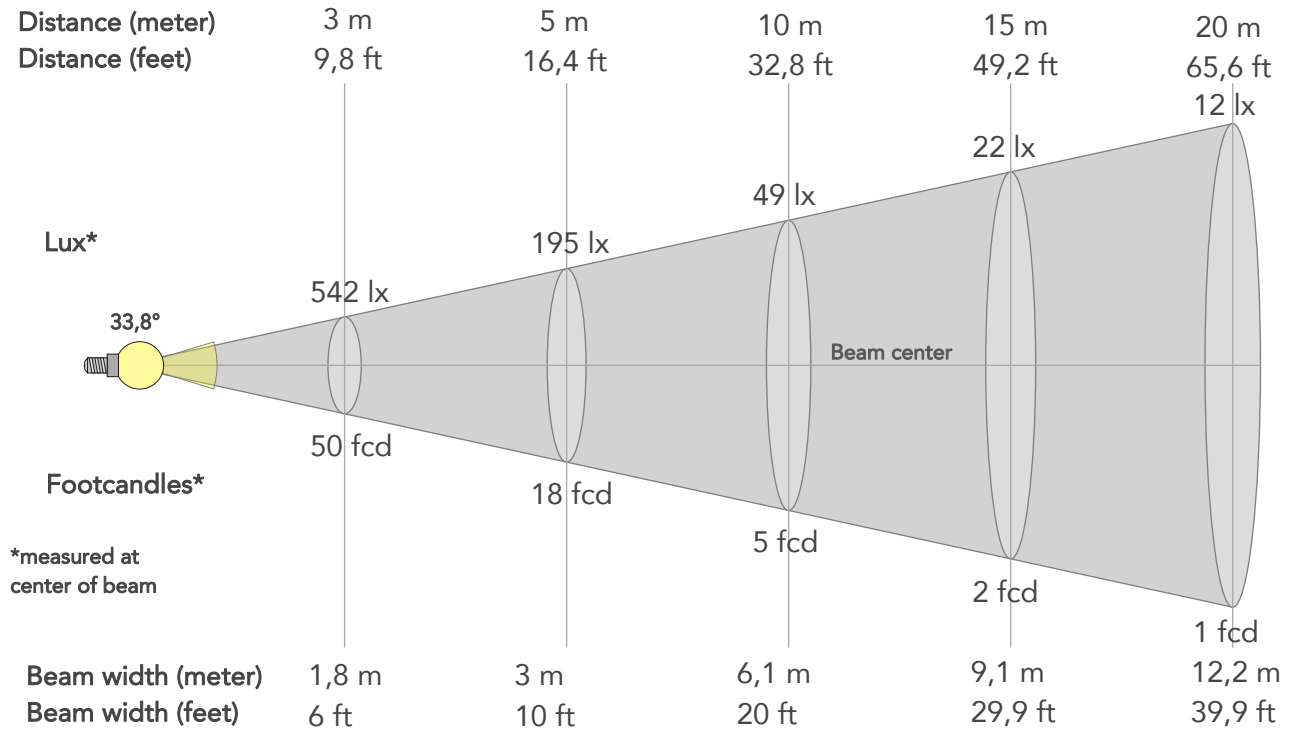
Cut off angle 2.5%: 49,4°

Spectra



BEAM DETAILS

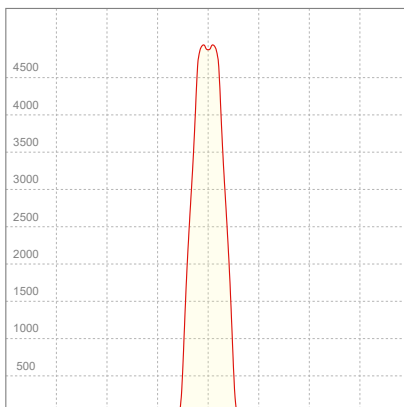
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,8°	45,9°	49,4°	99,5%	99,4%



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	4880lx	1220lx	542lx	305lx	195lx	87lx	49lx	22lx	12lx	8lx	5lx	3lx	2lx
Footcand.	453fcd	113fcd	50fcd	28fcd	18fcd	8fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,6m	6,1m	9,1m	12,2m	15,2m	18,2m	24,3m	30,4m
Beam wid.	2ft	4ft	6ft	8ft	10ft	15ft	20ft	29,9ft	39,9ft	49,9ft	59,9ft	79,8ft	99,8ft

LINEAR DISTRIBUTION DIAGRAM

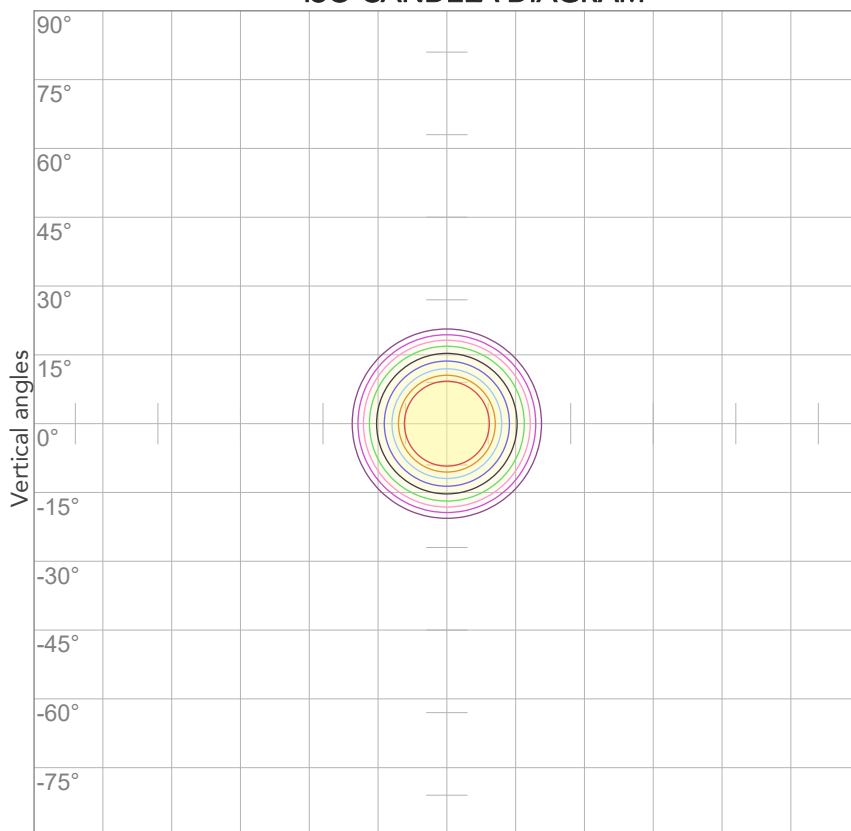


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,464A	104,2W	0,95	14lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



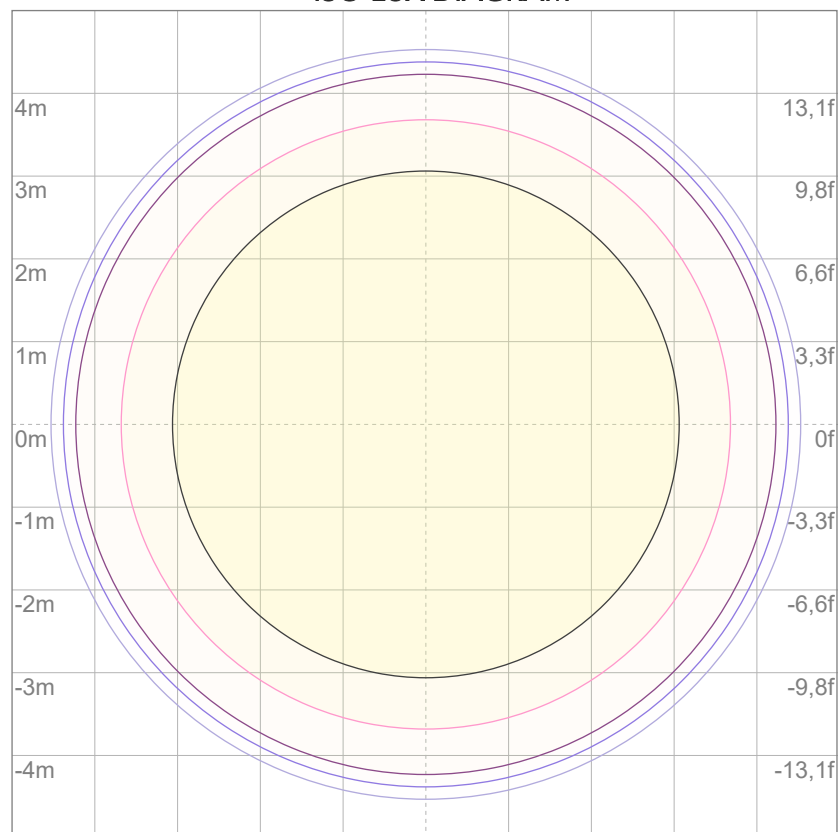
10%	488 cd
20%	976 cd
30%	1464 cd
40%	1952 cd
50%	2440 cd
60%	2928 cd
70%	3416 cd
80%	3904 cd

Conditions:

Number of c-planes: 2

Candela at center: 4880 cd

ISO LUX DIAGRAM



3%	1,46 lx
5%	2,44 lx
10%	4,88 lx
30%	14,6 lx
50%	24,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 48,8 lx

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



Total lumen output:

1094 lm

Peak candela output:

2253 cd

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 50° MFX100LGBW

Target:

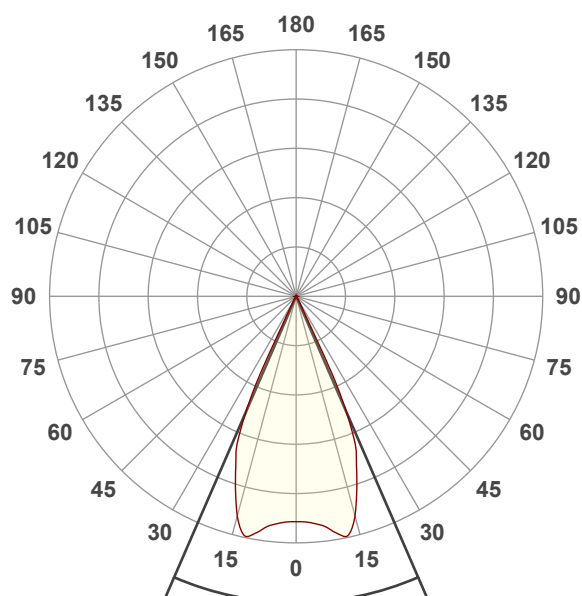
Full On

Operator:

Salvatore Giglio

Date and time:

29/08/2024 14:16:29

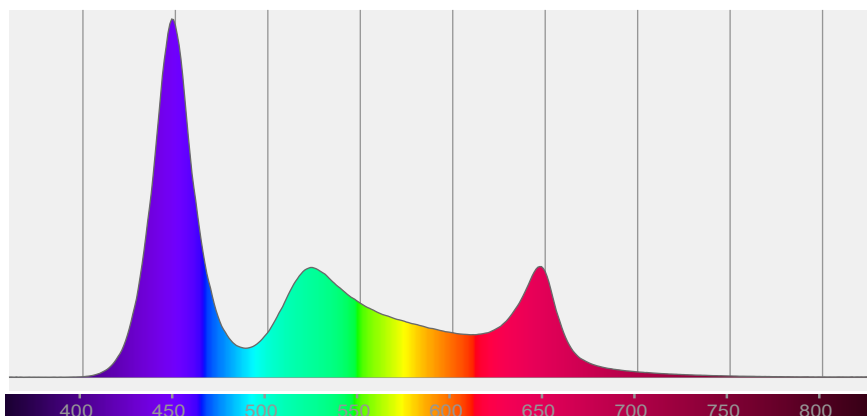


Beam angle 50%: 46,9°

Field angle 10%: 53,5°

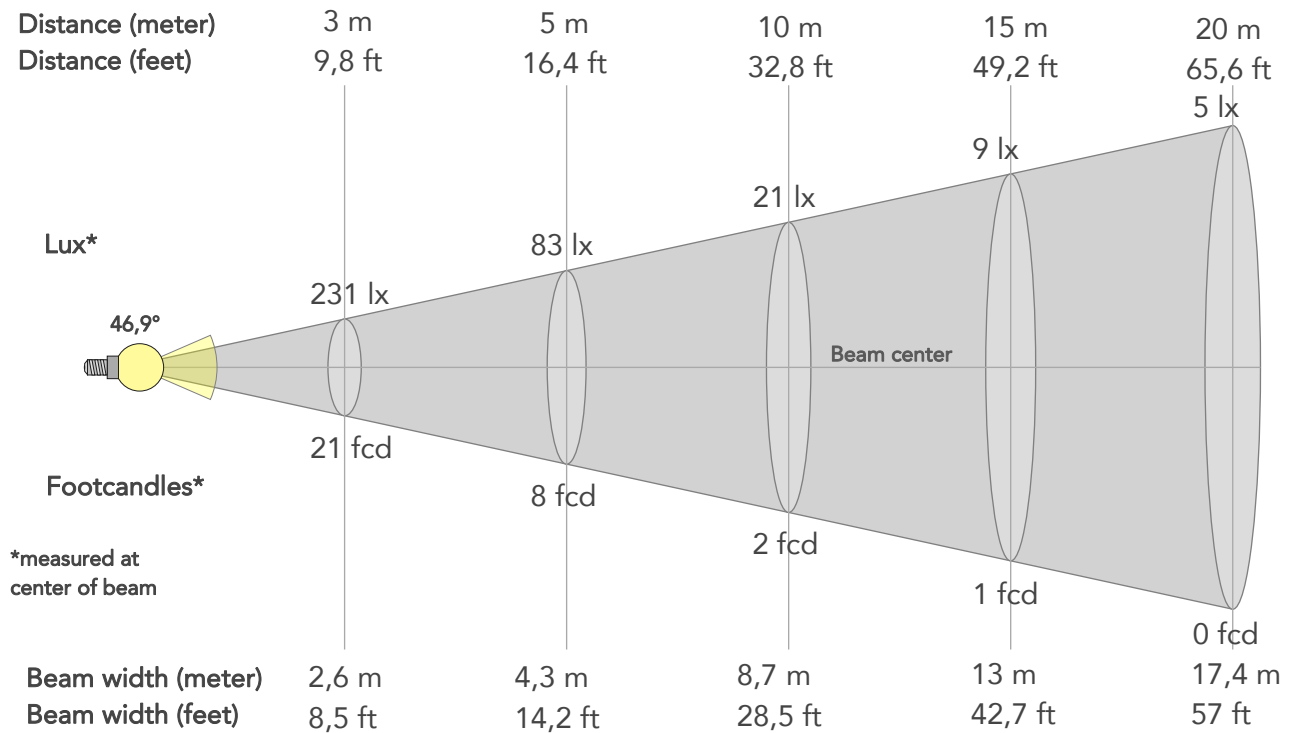
Cut off angle 2.5%: 56,8°

Spectra



BEAM DETAILS

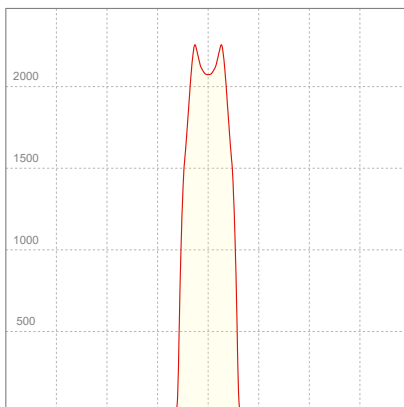
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
46,9°	53,5°	56,8°	99,5%	99,3%



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	2076lx	519lx	231lx	130lx	83lx	37lx	21lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	193fcd	48fcd	21fcd	12fcd	8fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,7m	2,6m	3,5m	4,3m	6,5m	8,7m	13m	17,4m	21,7m	26,1m	34,7m	43,4m
Beam wid.	2,9ft	5,7ft	8,5ft	11,4ft	14,2ft	21,4ft	28,5ft	42,7ft	57ft	71,2ft	85,5ft	113,9ft	142,4ft

LINEAR DISTRIBUTION DIAGRAM

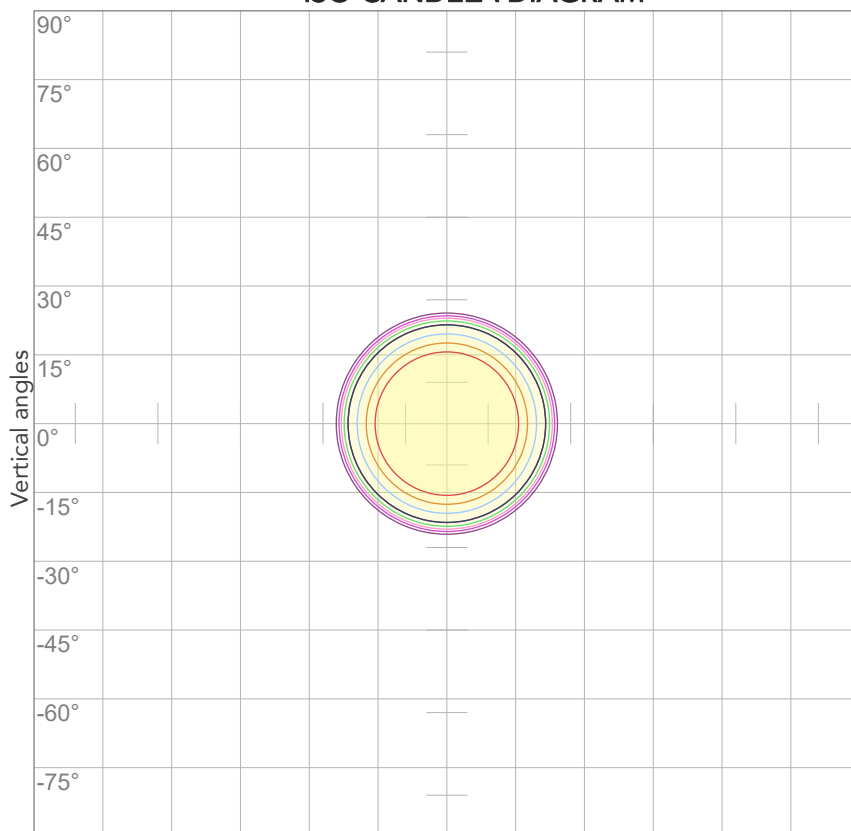


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,488A	104,6W	0,95	10lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



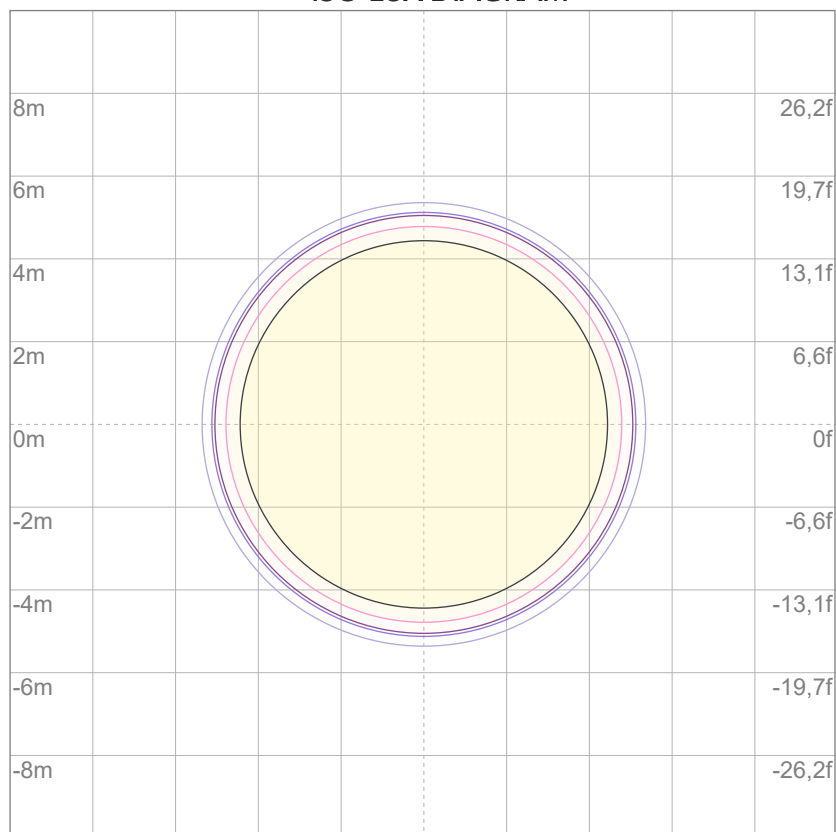
10%	208 cd
20%	415 cd
30%	623 cd
40%	830 cd
50%	1038 cd
60%	1245 cd
70%	1453 cd
80%	1660 cd

Conditions:

Number of c-planes: 2

Candela at center: 2076 cd

ISO LUX DIAGRAM



3%	0,623 lx
5%	1,04 lx
10%	2,08 lx
30%	6,23 lx
50%	10,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 20,8 lx

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



Total lumen output:

171 lm

Peak candela output:

2316 cd

PRODUCT NAME:

Mosaico FX100 FC

MEASUREMENT CONDITIONS:

Beam angle:

Optic 15° MFX100LWGN

Target:

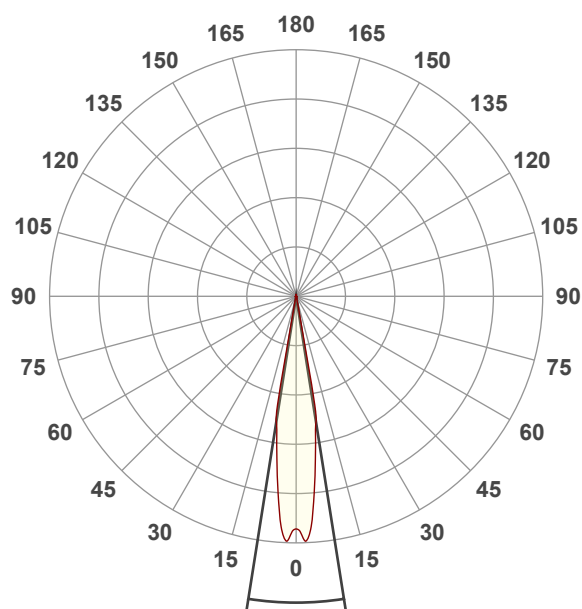
Red

Operator:

Salvatore Giglio

Date and time:

30/08/2024 10:43:55

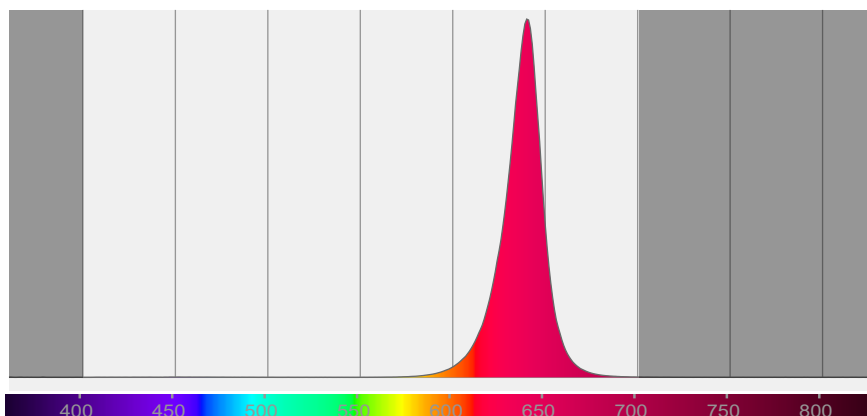


Beam angle 50%: 18°

Field angle 10%: 22,1°

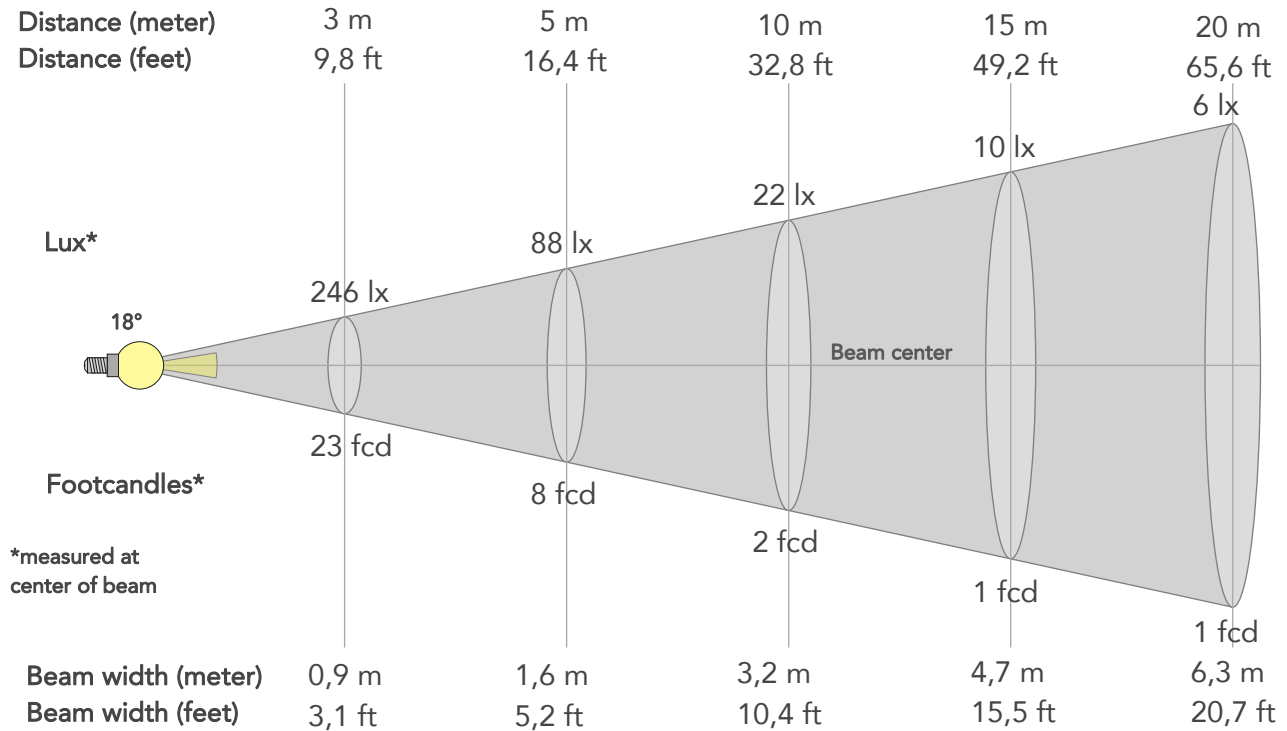
Cut off angle 2.5%: 23,9°

Spectra



BEAM DETAILS

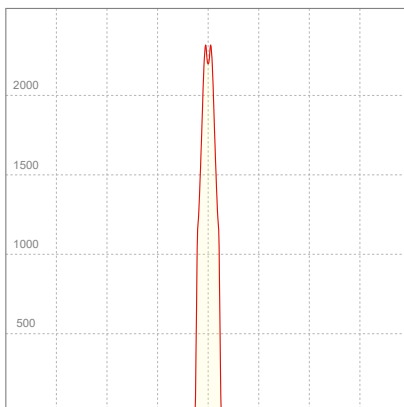
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18°	22,1°	23,9°	97,5%	96,8%



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	2212lx	553lx	246lx	138lx	88lx	39lx	22lx	10lx	6lx	4lx	2lx	1lx	1lx
Footcand.	205fcd	51fcd	23fcd	13fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,3m	1,6m	2,4m	3,2m	4,7m	6,3m	7,9m	9,5m	12,6m	15,8m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,2ft	7,8ft	10,4ft	15,5ft	20,7ft	25,9ft	31,1ft	41,5ft	51,8ft

LINEAR DISTRIBUTION DIAGRAM

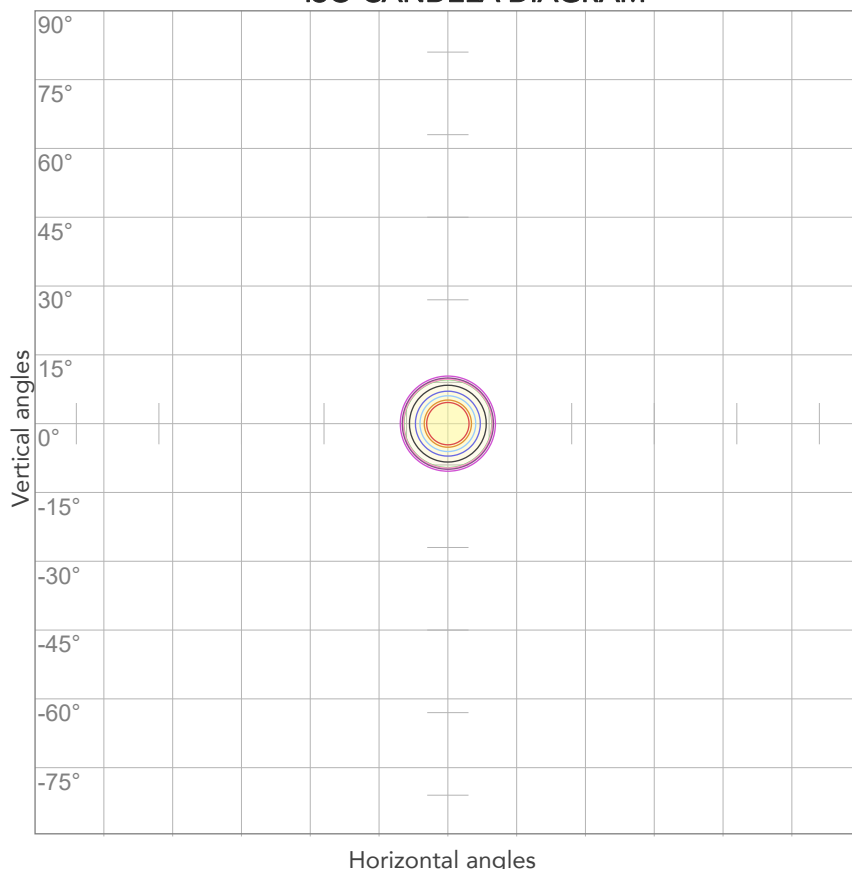


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,205A	36,8W	0,8	5lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



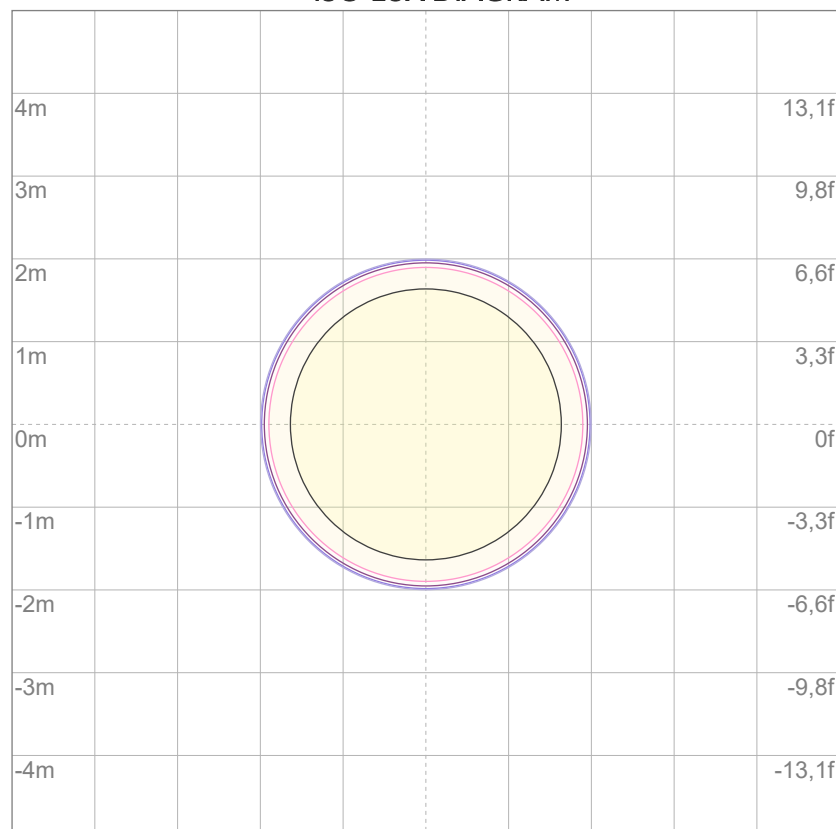
10%	221 cd
20%	442 cd
30%	663 cd
40%	885 cd
50%	1106 cd
60%	1327 cd
70%	1548 cd
80%	1769 cd

Conditions:

Number of c-planes: 2

Candela at center: 2212 cd

ISO LUX DIAGRAM



3%	0,663 lx
5%	1,11 lx
10%	2,21 lx
30%	6,63 lx
50%	11,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 22,1 lx

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



Total lumen output:

158 lm

Peak candela output:

1248 cd

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 30° MFX100LWTM

Target:

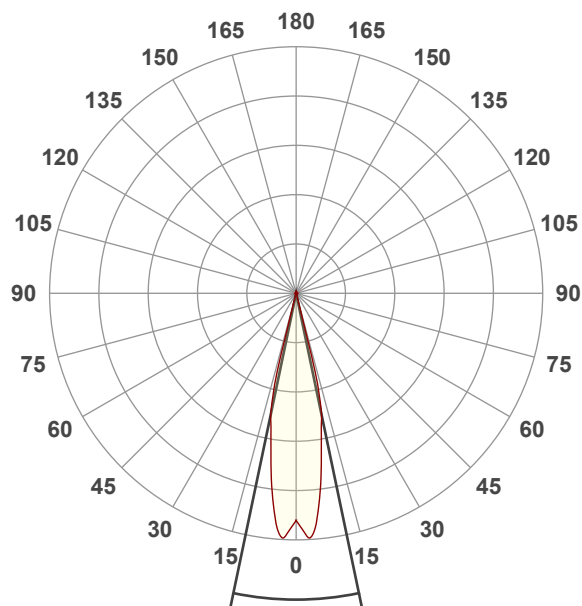
Red

Operator:

Salvatore Giglio

Date and time:

30/08/2024 12:55:57

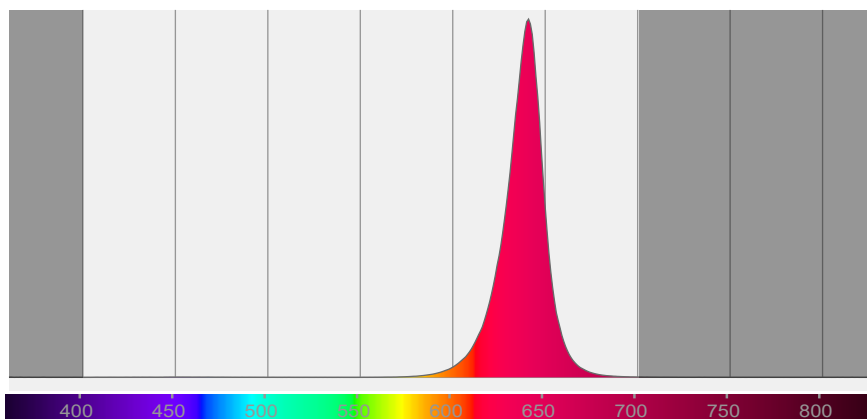


Beam angle 50%: 23,6°

Field angle 10%: 29,5°

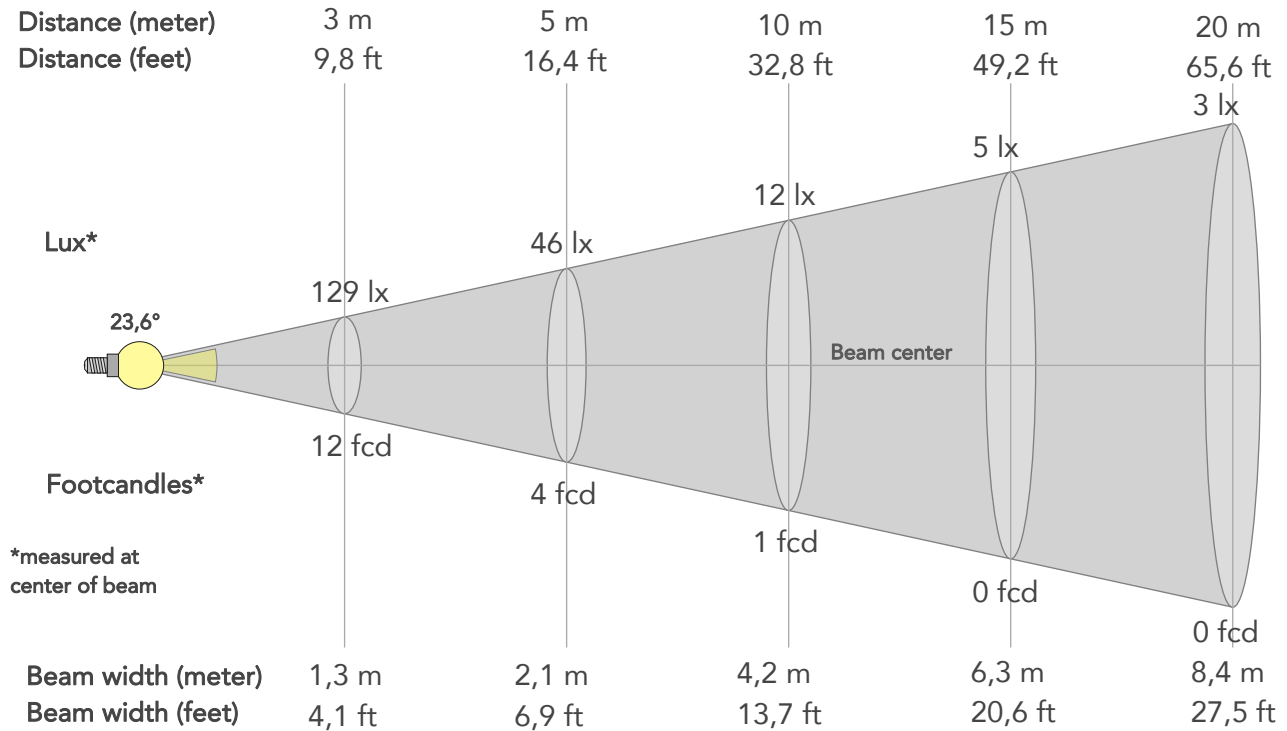
Cut off angle 2.5%: 30,3°

Spectra



BEAM DETAILS

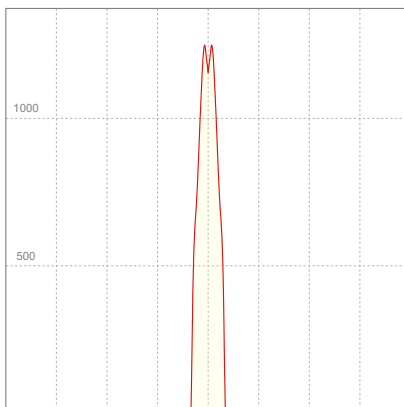
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,6°	29,5°	30,3°	99,0%	98,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1161lx	290lx	129lx	73lx	46lx	21lx	12lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	108fcd	27fcd	12fcd	7fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,3m	1,7m	2,1m	3,1m	4,2m	6,3m	8,4m	10,5m	12,6m	16,7m	20,9m
Beam wid.	1,4ft	2,8ft	4,1ft	5,5ft	6,9ft	10,3ft	13,7ft	20,6ft	27,5ft	34,3ft	41,2ft	54,9ft	68,7ft

LINEAR DISTRIBUTION DIAGRAM

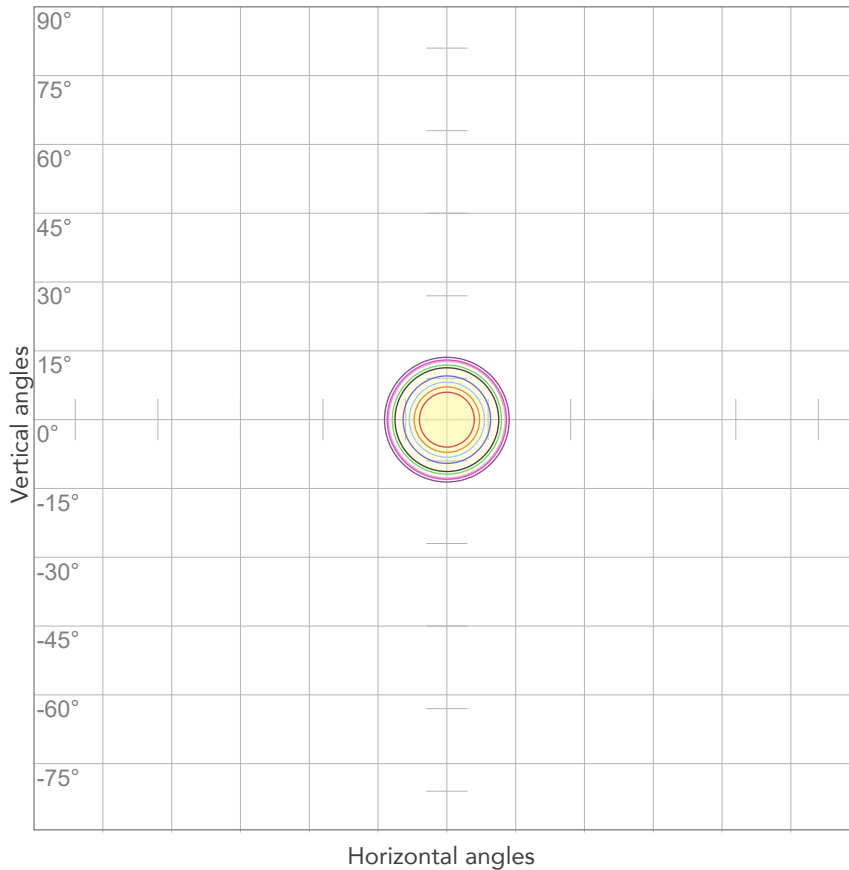


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,159A	35,9W	0,8	4lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



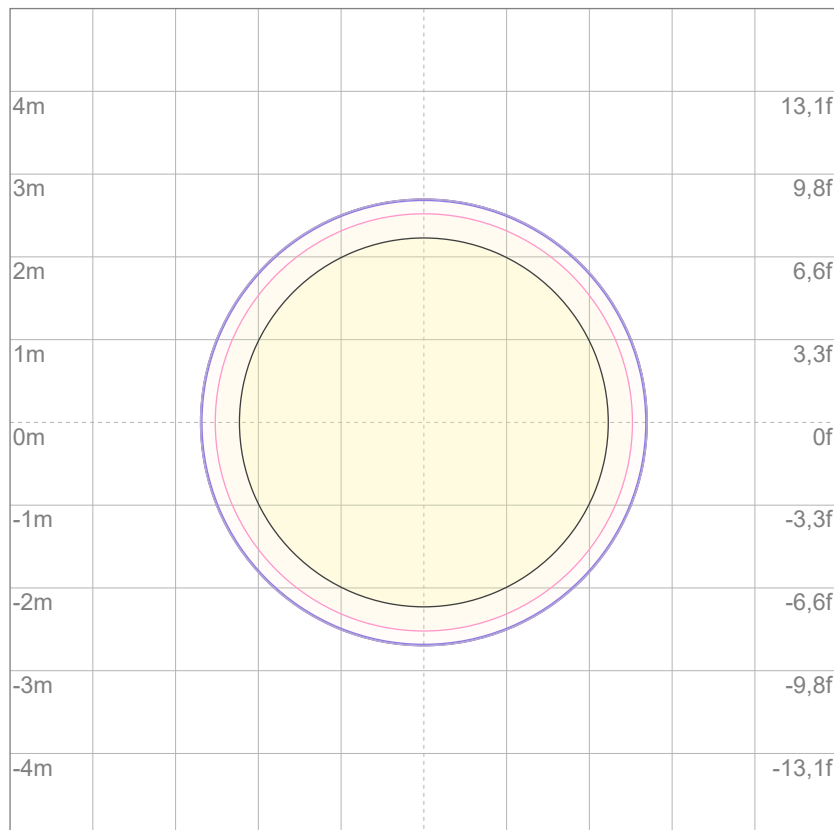
10%	116 cd
20%	232 cd
30%	348 cd
40%	464 cd
50%	580 cd
60%	696 cd
70%	812 cd
80%	929 cd

Conditions:

Number of c-planes: 2

Candela at center: 1161 cd

ISO LUX DIAGRAM



3%	0,348 lx
5%	0,580 lx
10%	1,16 lx
30%	3,48 lx
50%	5,80 lx

Conditions:

Number of c-planes: 2

Lux at center: 11,6 lx

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



Total lumen output:

167 lm

Peak candela output:

534 cd

PRODUCT NAME:

Mosaico FX100 FC

MEASUREMENT CONDITIONS:

Beam angle:

Optic 50° MFX100LWTM

Target:

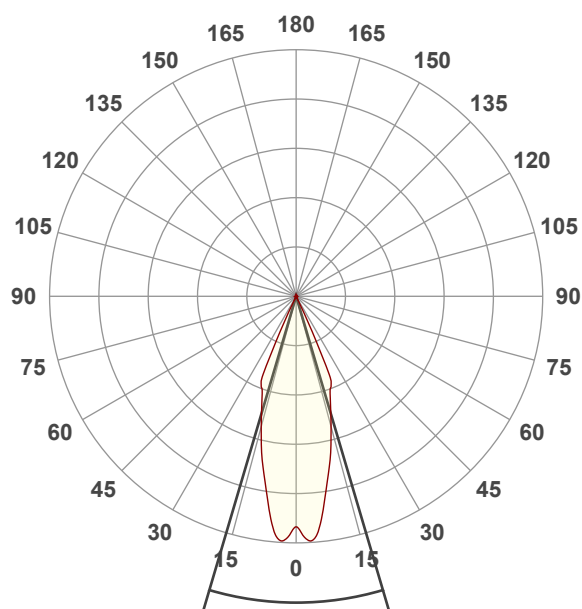
Red

Operator:

Salvatore Giglio

Date and time:

29/08/2024 12:50:58

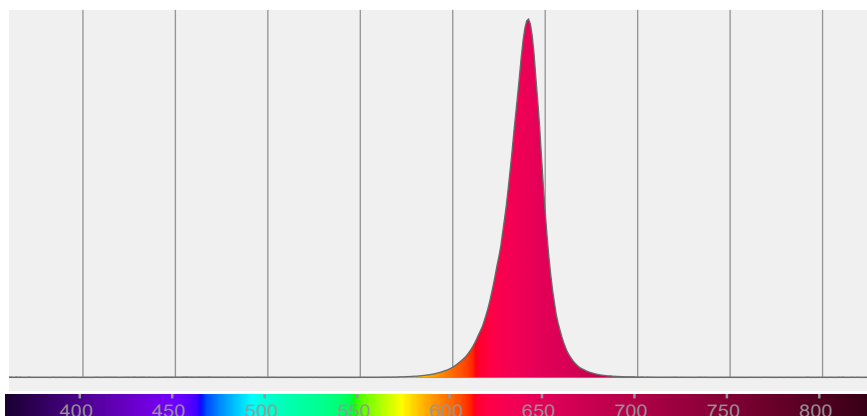


Beam angle 50%: 32,9°

Field angle 10%: 50,2°

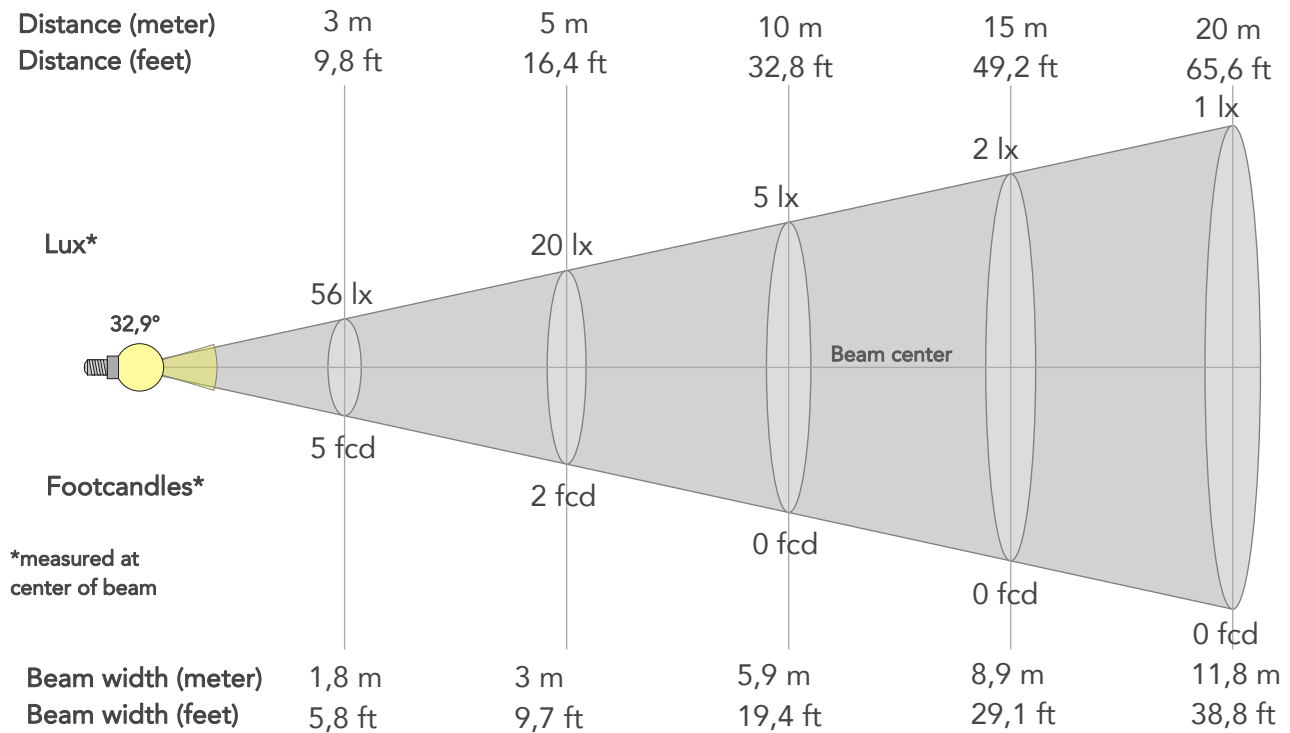
Cut off angle 2.5%: 51,9°

Spectra



BEAM DETAILS

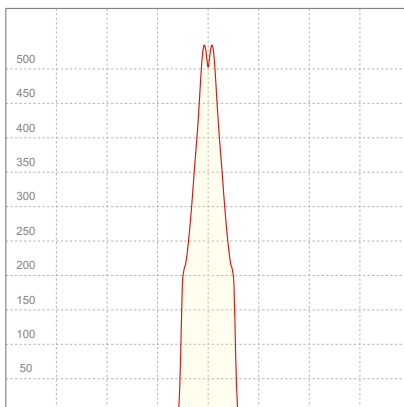
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
32,9°	50,2°	51,9°	98,8%	98,5%



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	505lx	126lx	56lx	32lx	20lx	9lx	5lx	2lx	1lx	1lx	1lx	0lx	0lx
Footcand.	47fcd	12fcd	5fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,4m	5,9m	8,9m	11,8m	14,8m	17,7m	23,6m	29,5m
Beam wid.	1,9ft	3,9ft	5,8ft	7,7ft	9,7ft	14,5ft	19,4ft	29,1ft	38,8ft	48,4ft	58,1ft	77,5ft	96,9ft

LINEAR DISTRIBUTION DIAGRAM

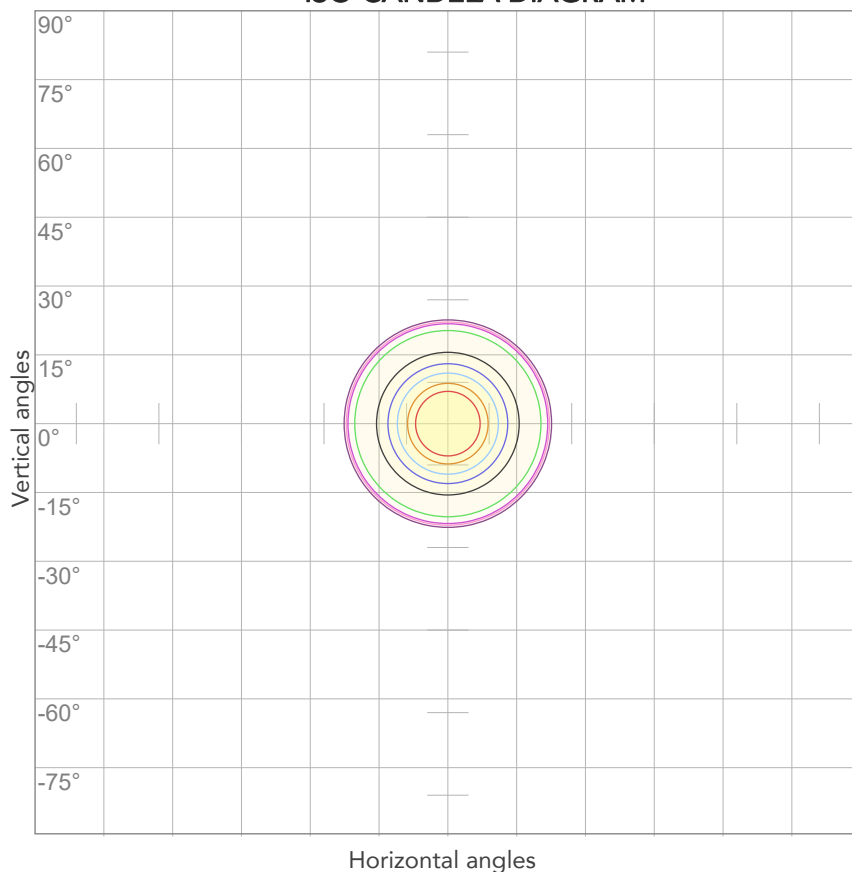


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,198A	35,2W	0,79	5lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



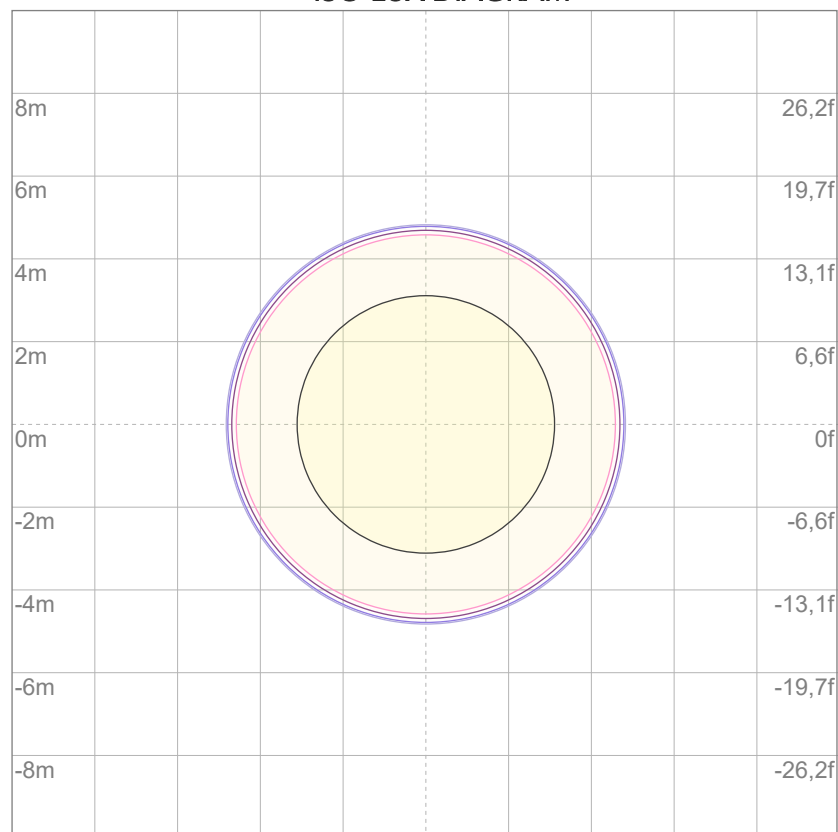
10%	51 cd
20%	101 cd
30%	152 cd
40%	202 cd
50%	253 cd
60%	303 cd
70%	354 cd
80%	404 cd

Conditions:

Number of c-planes: 2

Candela at center: 505 cd

ISO LUX DIAGRAM



3%	0,152 lx
5%	0,253 lx
10%	0,505 lx
30%	1,52 lx
50%	2,53 lx

Conditions:

Number of c-planes: 2

Lux at center: 5,05 lx

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



Total lumen output:

118 lm

Peak candela output:

254 cd

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 70° MFX100LWGVW

Target:

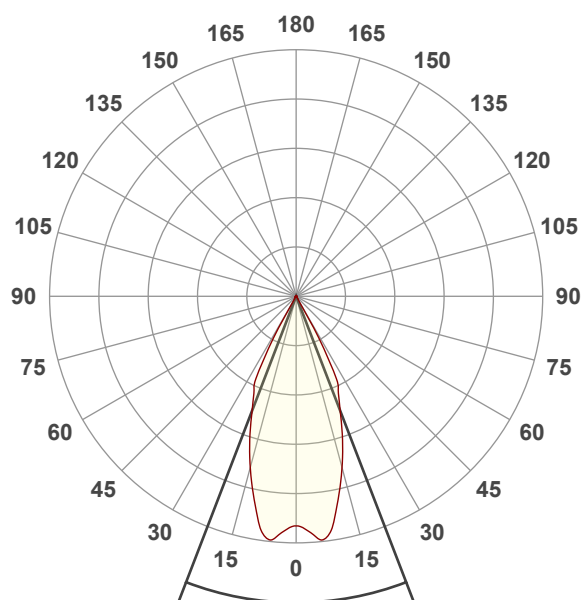
Red

Operator:

Salvatore Giglio

Date and time:

29/08/2024 16:36:30

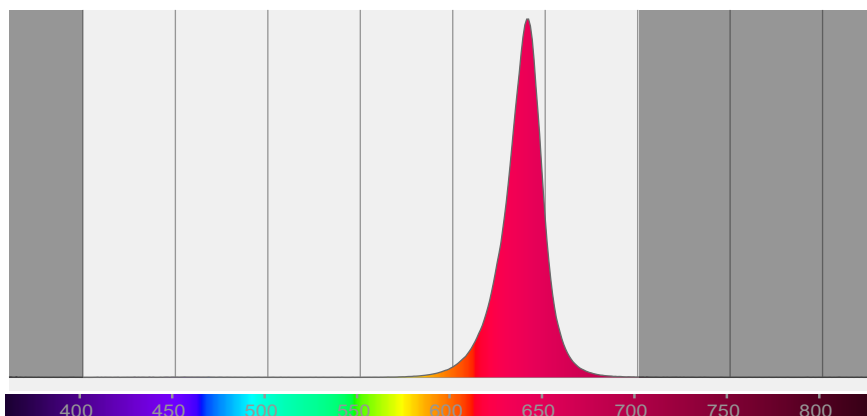


Beam angle 50%: 42,1°

Field angle 10%: 59,7°

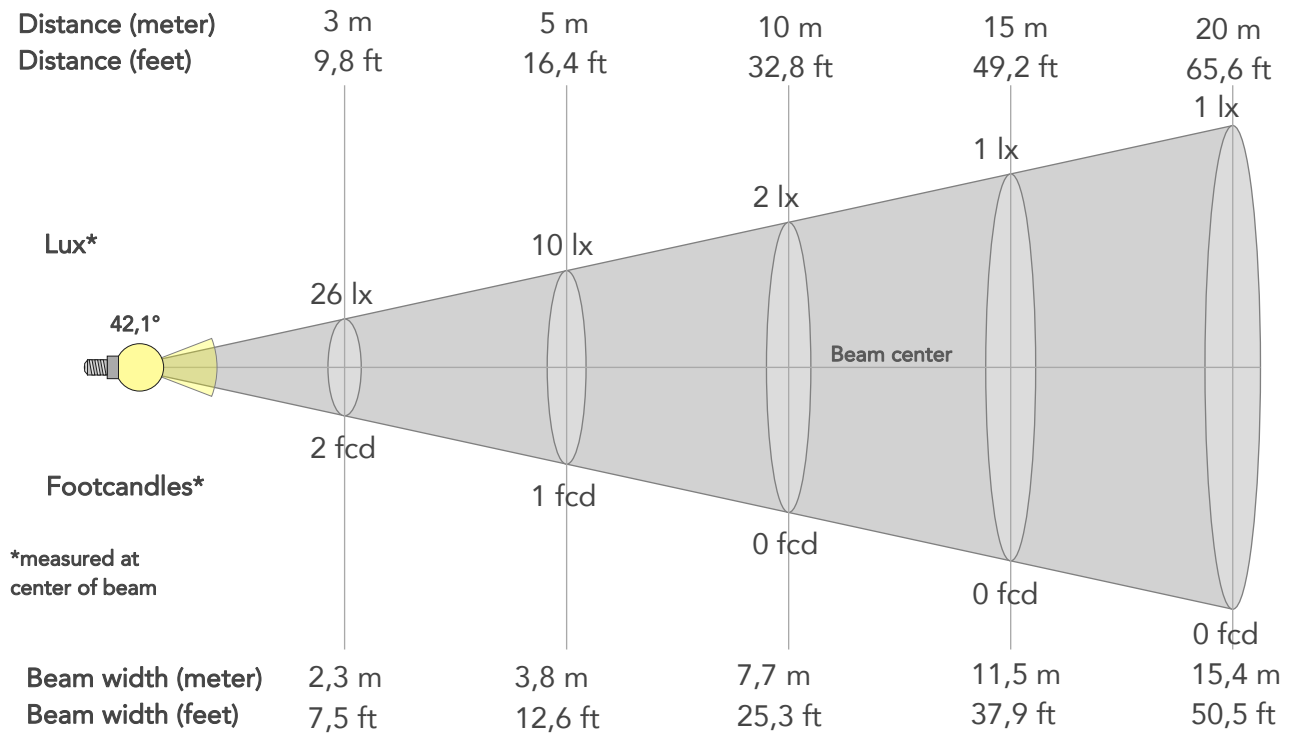
Cut off angle 2.5%: 61,8°

Spectra



BEAM DETAILS

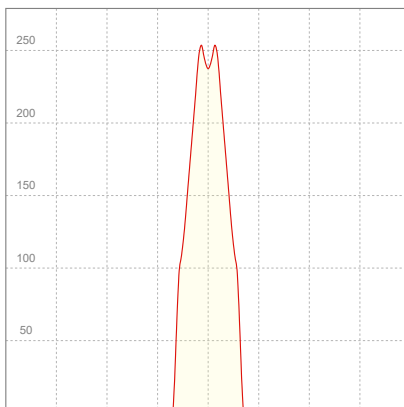
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
42,1°	59,7°	61,8°	99,0%	98,5%



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	238lx	60lx	26lx	15lx	10lx	4lx	2lx	1lx	1lx	0lx	0lx	0lx	0lx
Footcand.	22fcd	6fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,5m	2,3m	3,1m	3,8m	5,8m	7,7m	11,5m	15,4m	19,2m	23,1m	30,8m	38,5m
Beam wid.	2,5ft	5,1ft	7,5ft	10,1ft	12,6ft	18,9ft	25,3ft	37,9ft	50,5ft	63,1ft	75,8ft	101ft	126,3ft

LINEAR DISTRIBUTION DIAGRAM

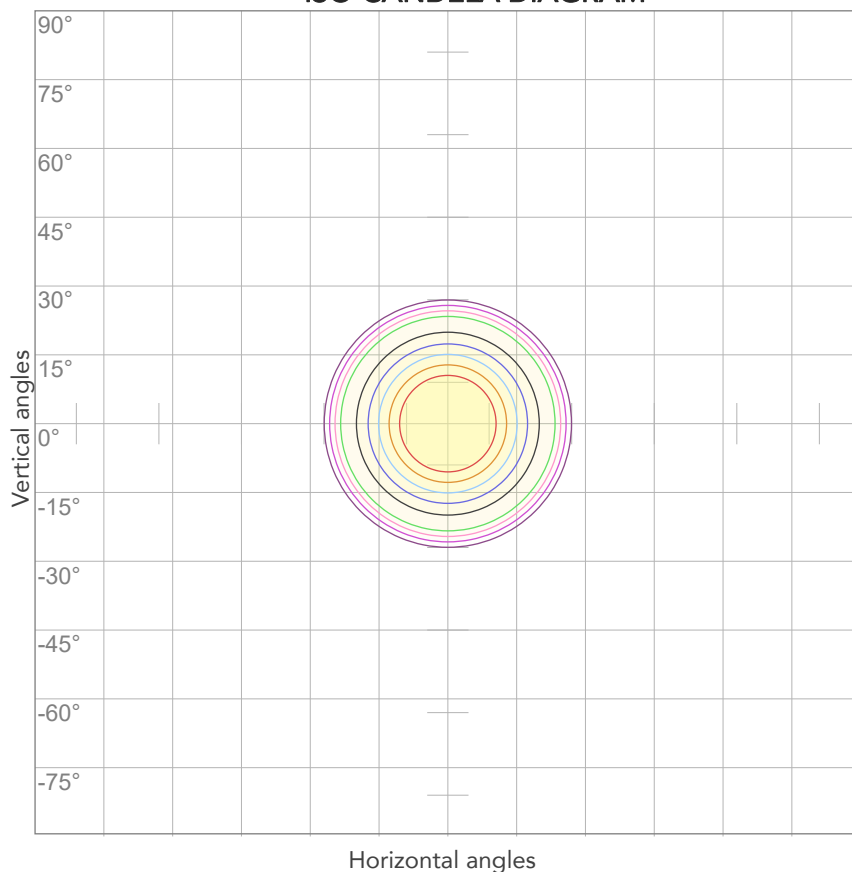


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,208A	36,6W	0,79	3lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



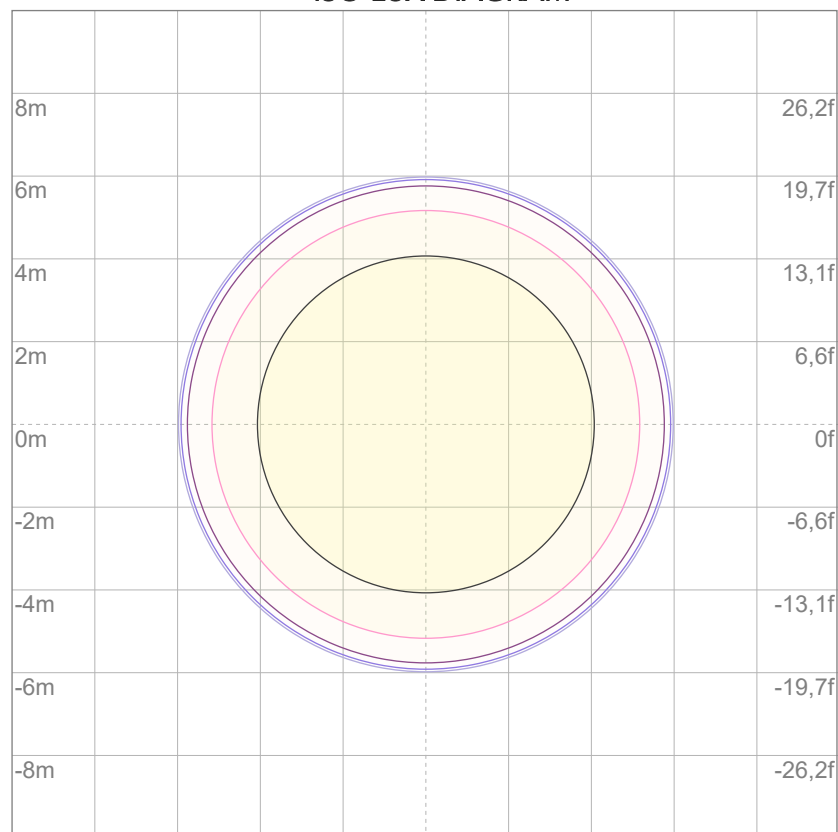
10%	24 cd
20%	48 cd
30%	71 cd
40%	95 cd
50%	119 cd
60%	143 cd
70%	167 cd
80%	191 cd

Conditions:

Number of c-planes: 2

Candela at center: 238 cd

ISO LUX DIAGRAM



3%	71,5m lx
5%	0,119 lx
10%	0,238 lx
30%	0,715 lx
50%	1,19 lx

Conditions:

Number of c-planes: 2

Lux at center: 2,38 lx

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



Total lumen output:

149 lm

Peak candela output:

551 cd

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 30° MFX100LGBM

Target:

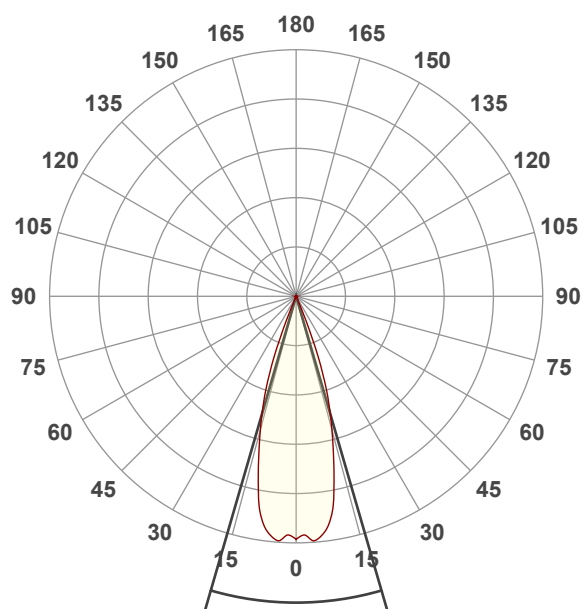
Red

Operator:

Salvatore Giglio

Date and time:

30/08/2024 12:22:03

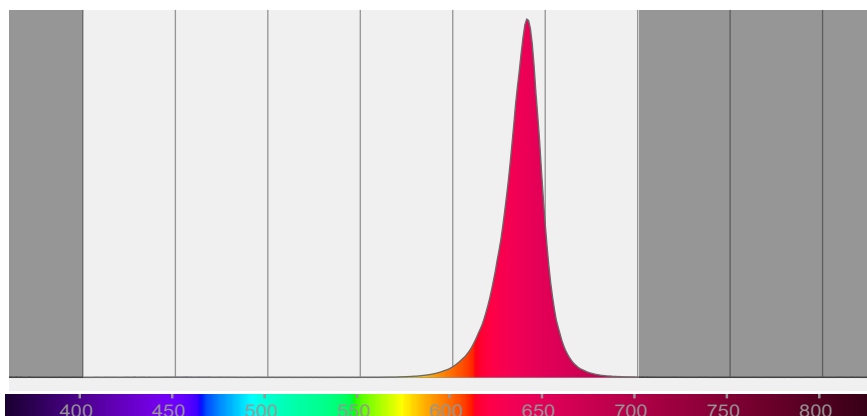


Beam angle 50%: 32,4°

Field angle 10%: 44,5°

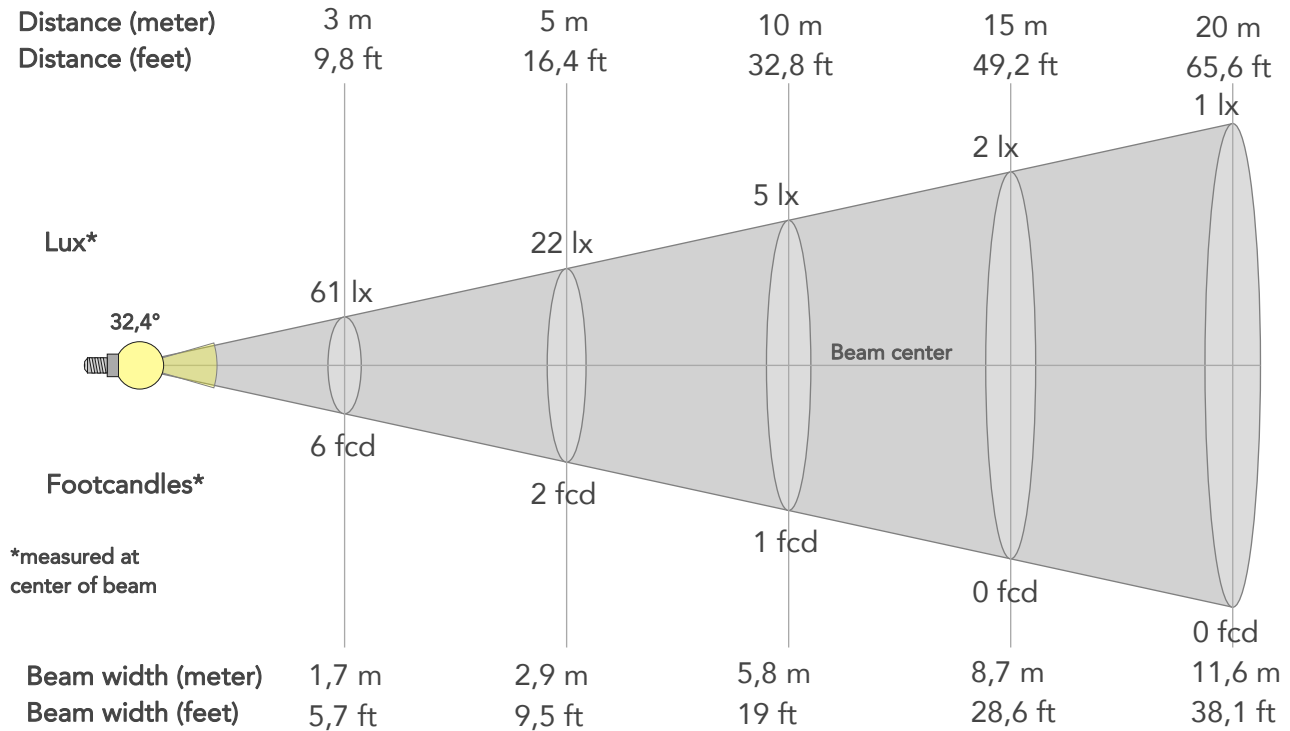
Cut off angle 2.5%: 47,3°

Spectra



BEAM DETAILS

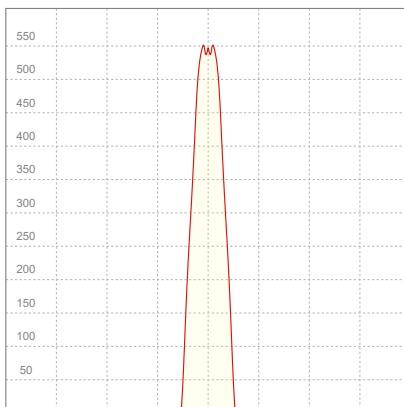
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
32,4°	44,5°	47,3°	98,2%	97,9%



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	546lx	136lx	61lx	34lx	22lx	10lx	5lx	2lx	1lx	1lx	1lx	0lx	0lx
Footcand.	51fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,7m	2,3m	2,9m	4,4m	5,8m	8,7m	11,6m	14,5m	17,4m	23,2m	29m
Beam wid.	1,9ft	3,8ft	5,7ft	7,6ft	9,5ft	14,3ft	19ft	28,6ft	38,1ft	47,6ft	57,1ft	76,1ft	95,2ft

LINEAR DISTRIBUTION DIAGRAM

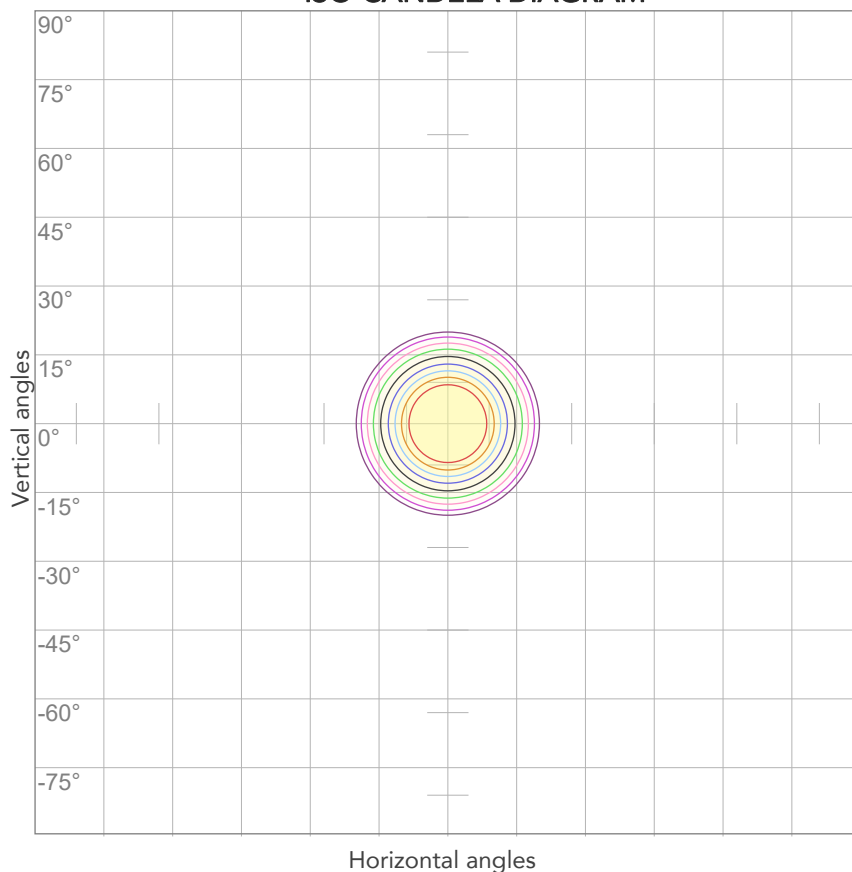


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,163A	36,7W	0,8	4lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



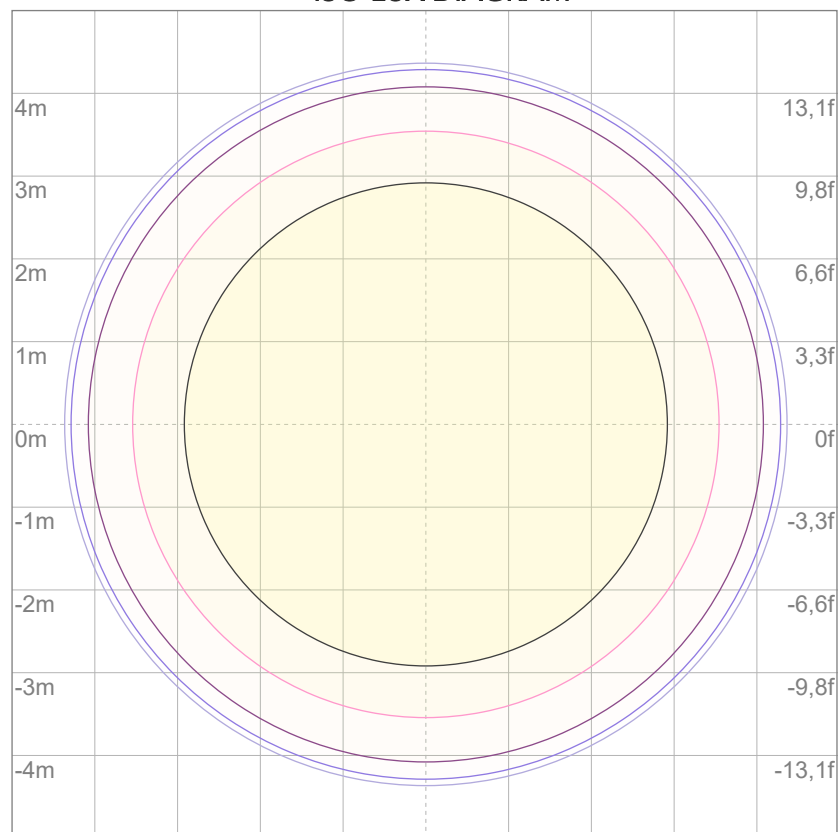
10%	55 cd
20%	109 cd
30%	164 cd
40%	218 cd
50%	273 cd
60%	328 cd
70%	382 cd
80%	437 cd

Conditions:

Number of c-planes: 2

Candela at center: 546 cd

ISO LUX DIAGRAM



3%	0,164 lx
5%	0,273 lx
10%	0,546 lx
30%	1,64 lx
50%	2,73 lx

Conditions:

Number of c-planes: 2

Lux at center: 5,46 lx

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



Total lumen output:

118 lm

Peak candela output:

242 cd

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 50° MFX100LGBW

Target:

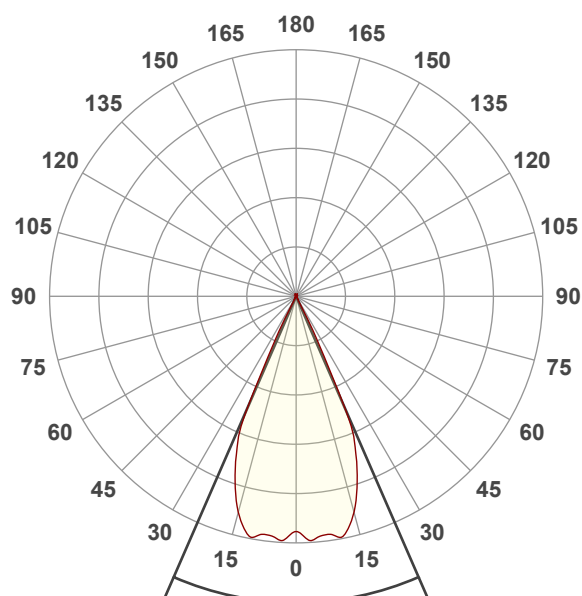
Red

Operator:

Salvatore Giglio

Date and time:

29/08/2024 16:11:20

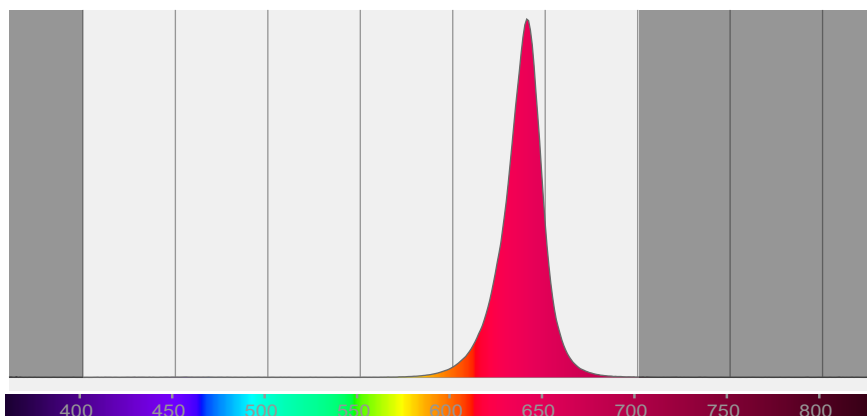


Beam angle 50%: 47,1°

Field angle 10%: 53,9°

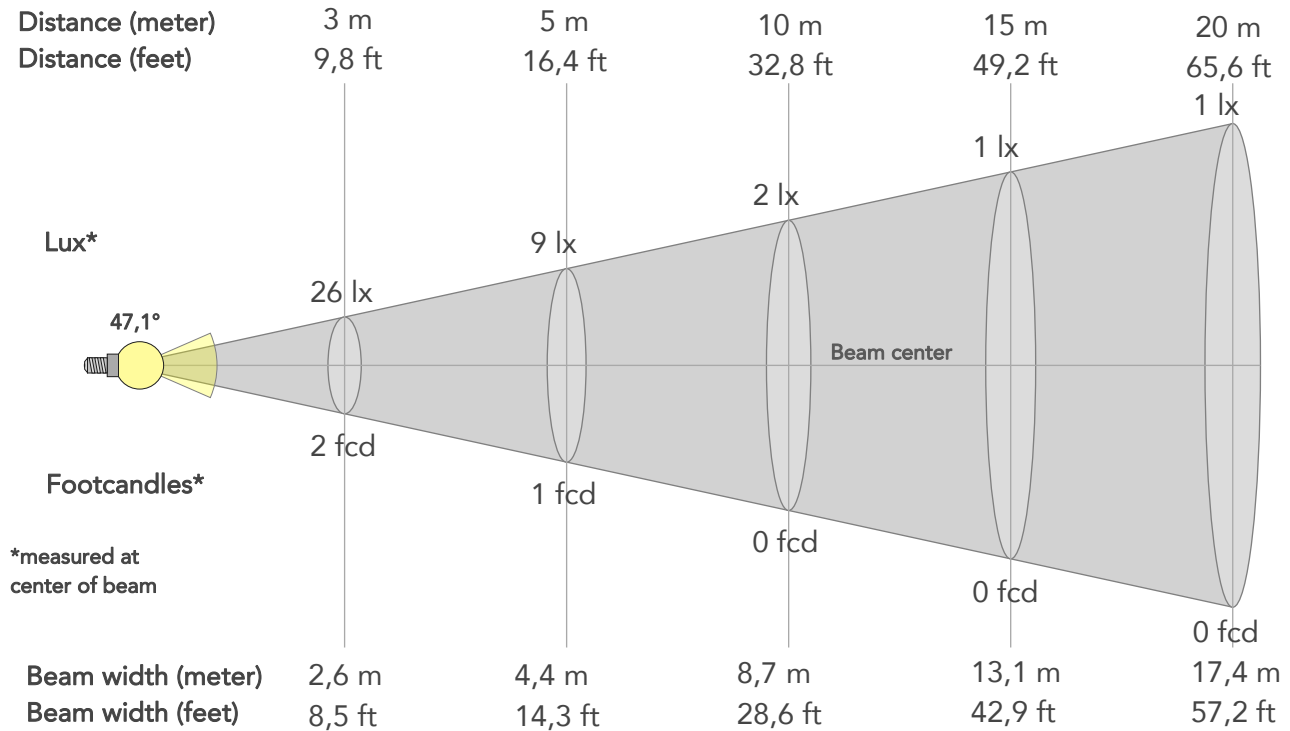
Cut off angle 2.5%: 55,9°

Spectra



BEAM DETAILS

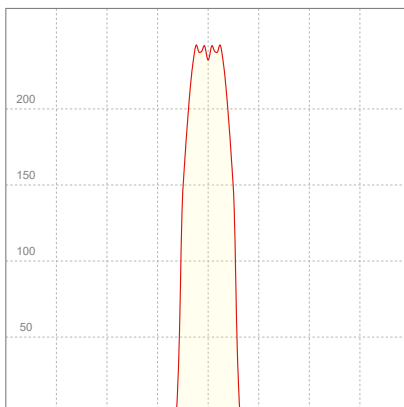
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
47,1°	53,9°	55,9°	99,0%	98,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	233lx	58lx	26lx	15lx	9lx	4lx	2lx	1lx	1lx	0lx	0lx	0lx	0lx
Footcand.	22fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,7m	2,6m	3,5m	4,4m	6,5m	8,7m	13,1m	17,4m	21,8m	26,2m	34,9m	43,6m
Beam wid.	2,9ft	5,8ft	8,5ft	11,4ft	14,3ft	21,5ft	28,6ft	42,9ft	57,2ft	71,5ft	85,8ft	114,4ft	143ft

LINEAR DISTRIBUTION DIAGRAM

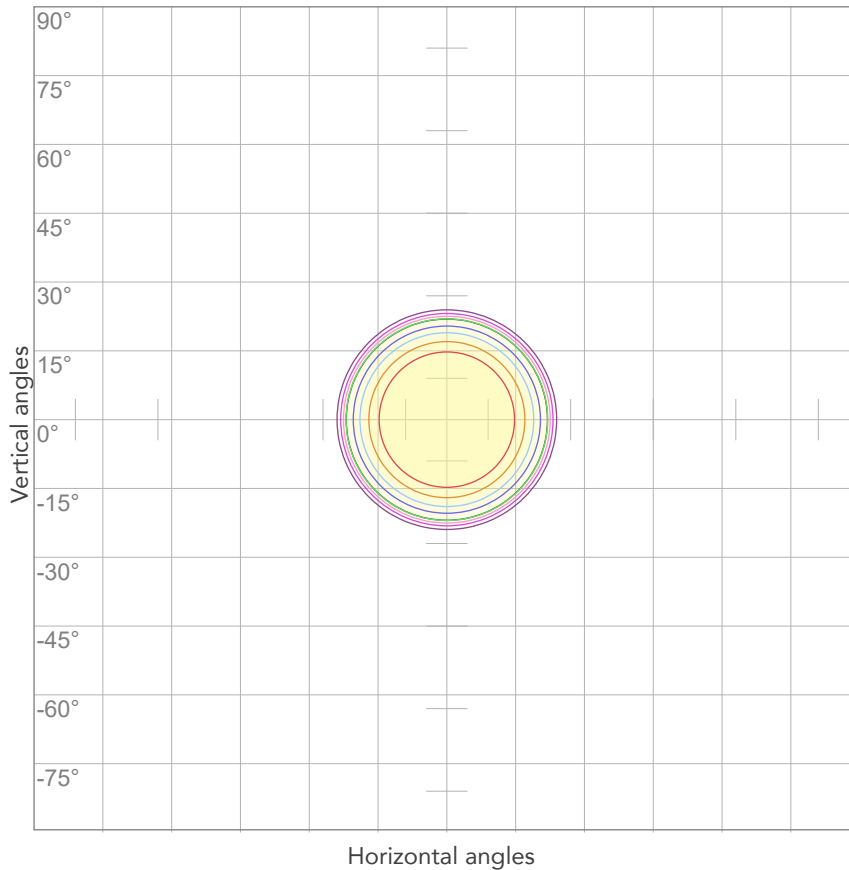


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,207A	36,8W	0,79	3lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



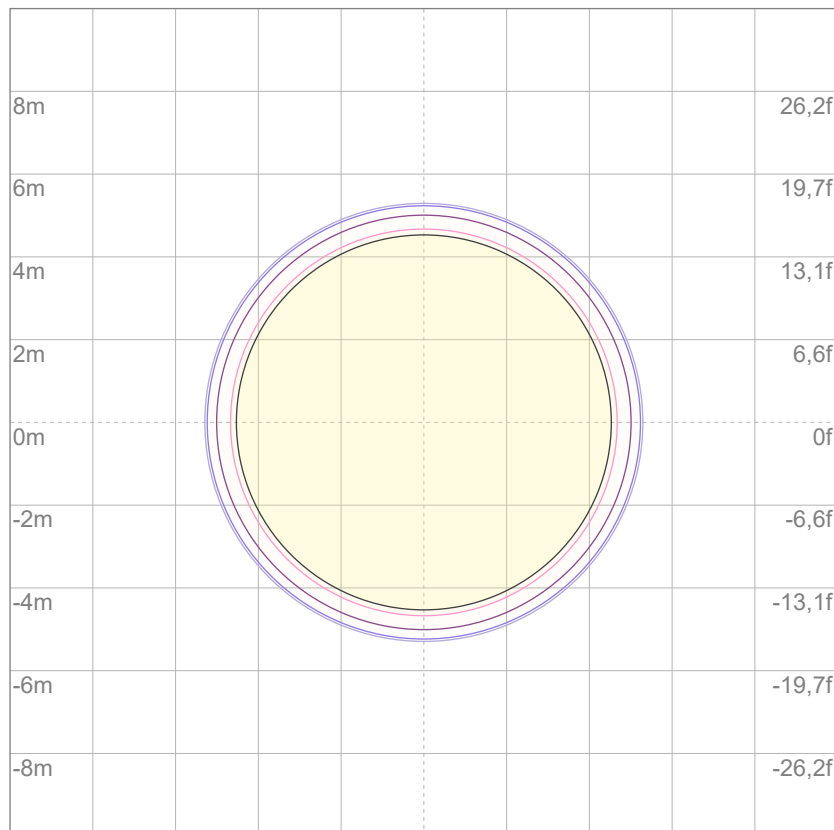
10%	23 cd
20%	47 cd
30%	70 cd
40%	93 cd
50%	117 cd
60%	140 cd
70%	163 cd
80%	186 cd

Conditions:

Number of c-planes: 2

Candela at center: 233 cd

ISO LUX DIAGRAM



3%	69,9m lx
5%	0,117 lx
10%	0,233 lx
30%	0,699 lx
50%	1,17 lx

Conditions:

Number of c-planes: 2

Lux at center: 2,33 lx

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



Total lumen output:

445 lm

Peak candela output:

6231 cd

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 15° MFX100LWGN

Target:

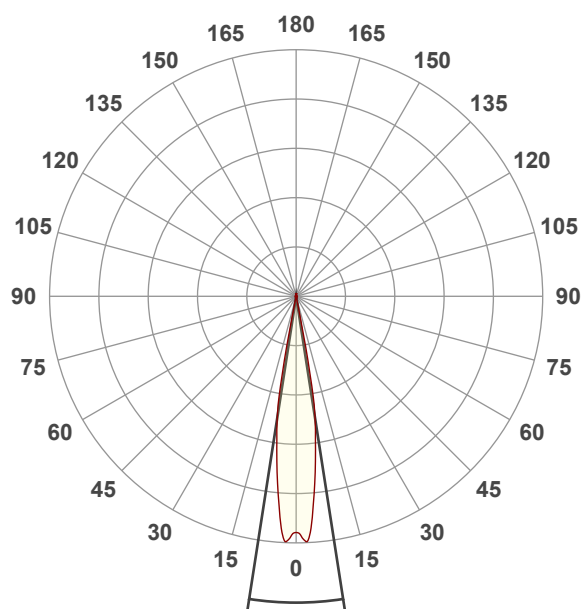
Green

Operator:

Salvatore Giglio

Date and time:

30/08/2024 10:45:20

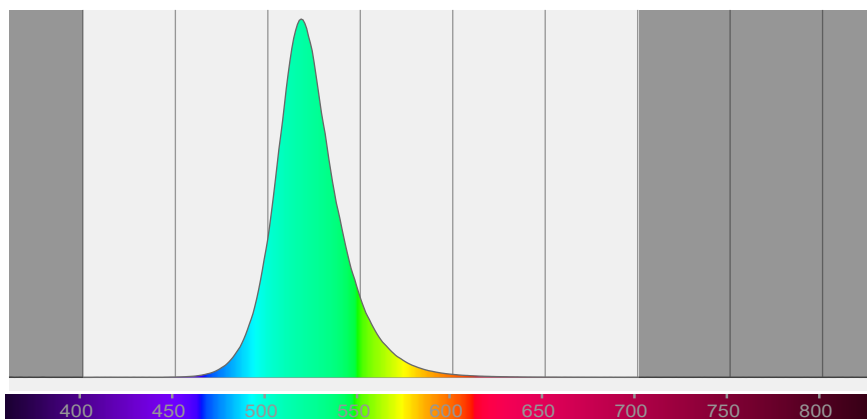


Beam angle 50%: 17,6°

Field angle 10%: 22,4°

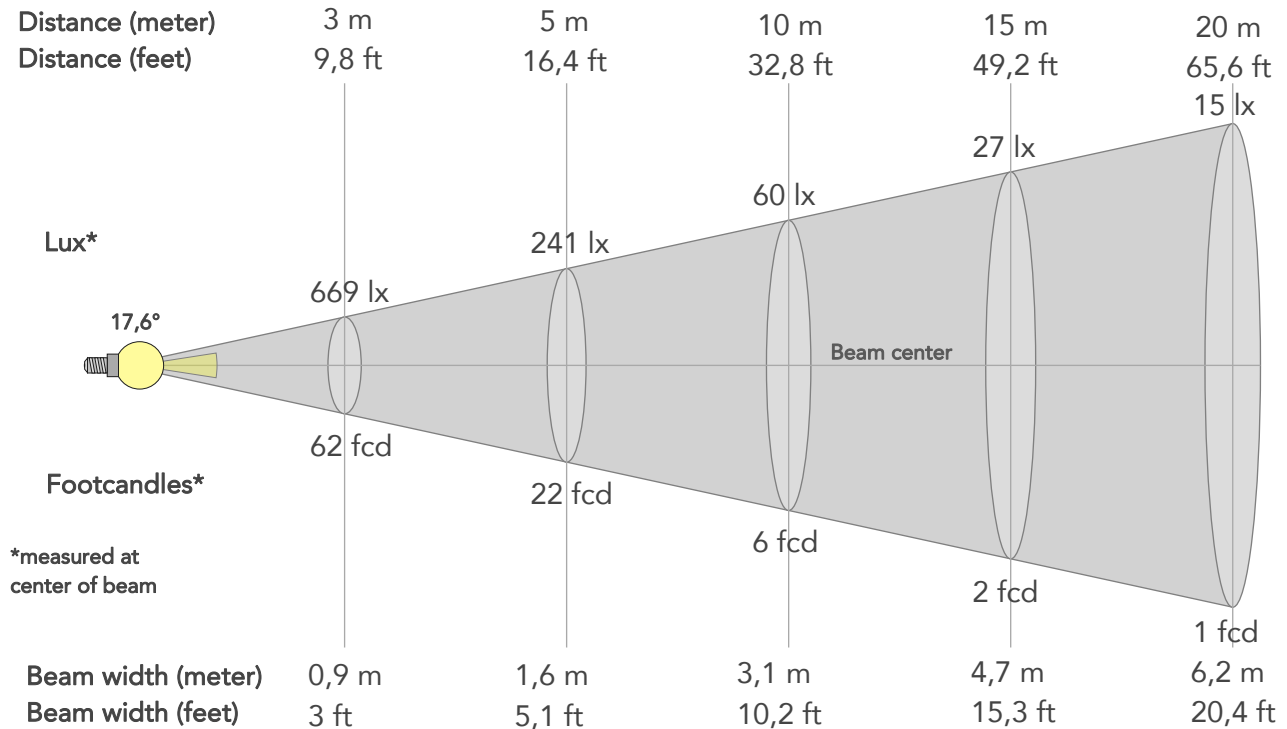
Cut off angle 2.5%: 23,2°

Spectra



BEAM DETAILS

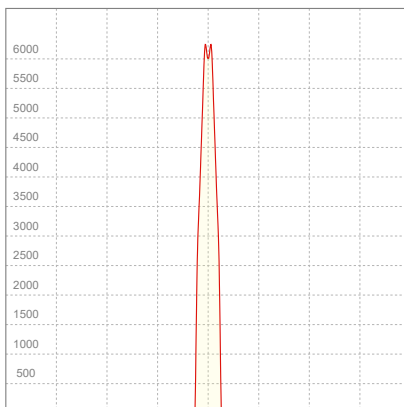
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,6°	22,4°	23,2°	99,1%	98,9%



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	6025lx	1506lx	669lx	377lx	241lx	107lx	60lx	27lx	15lx	10lx	7lx	4lx	2lx
Footcand.	560fcd	140fcd	62fcd	35fcd	22fcd	10fcd	6fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,6m	2,3m	3,1m	4,7m	6,2m	7,8m	9,3m	12,4m	15,5m
Beam wid.	1ft	2ft	3ft	4,1ft	5,1ft	7,6ft	10,2ft	15,3ft	20,4ft	25,5ft	30,5ft	40,7ft	50,9ft

LINEAR DISTRIBUTION DIAGRAM

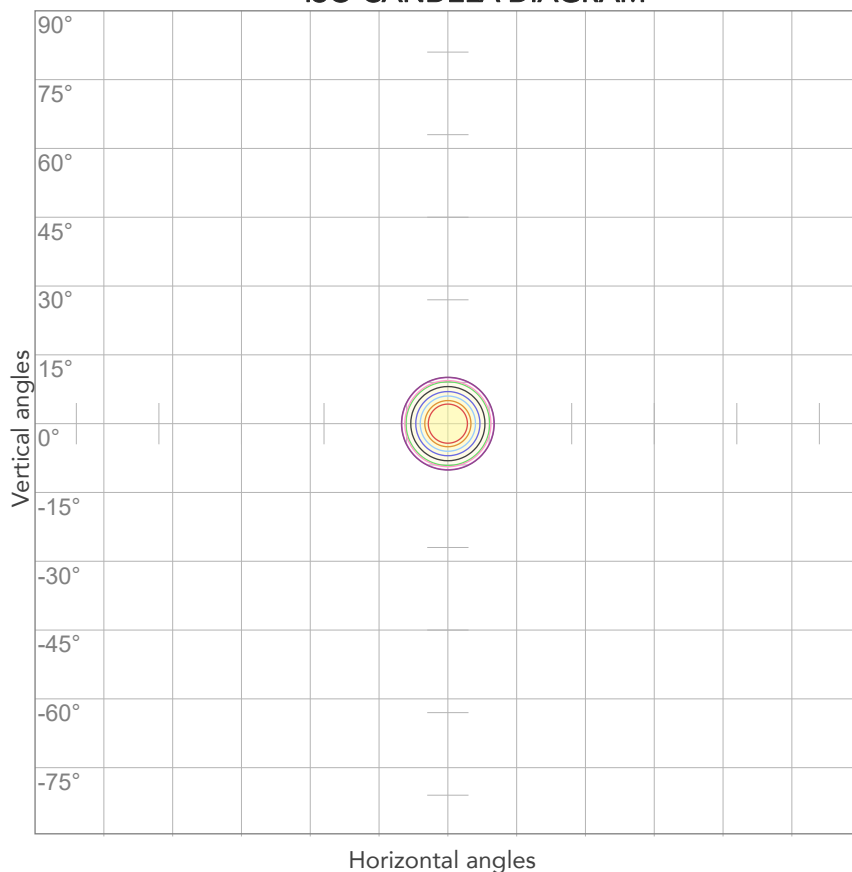


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,215A	39,2W	0,81	11lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



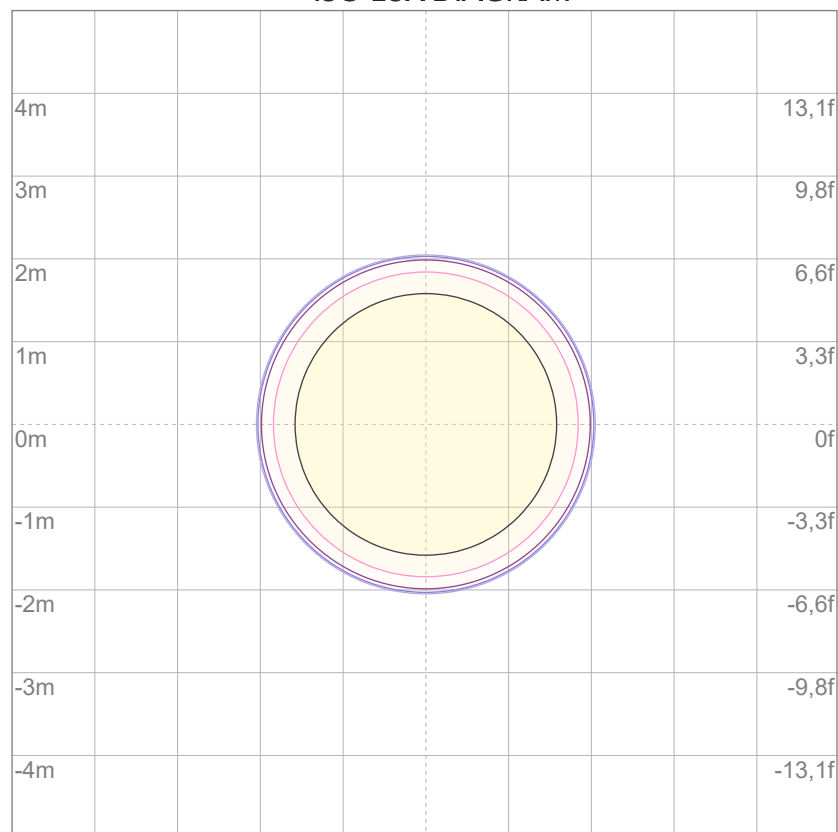
10%	602 cd
20%	1205 cd
30%	1807 cd
40%	2410 cd
50%	3012 cd
60%	3615 cd
70%	4217 cd
80%	4820 cd

Conditions:

Number of c-planes: 2

Candela at center: 6025 cd

ISO LUX DIAGRAM



3%	1,81 lx
5%	3,01 lx
10%	6,02 lx
30%	18,1 lx
50%	30,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 60,2 lx

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



Total lumen output:

434 lm

Peak candela output:

3438 cd

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 30° MFX100LWTM

Target:

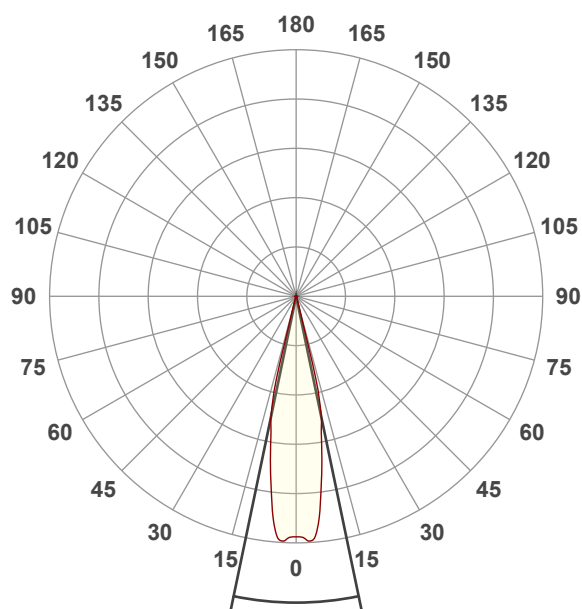
Green

Operator:

Salvatore Giglio

Date and time:

30/08/2024 12:57:32

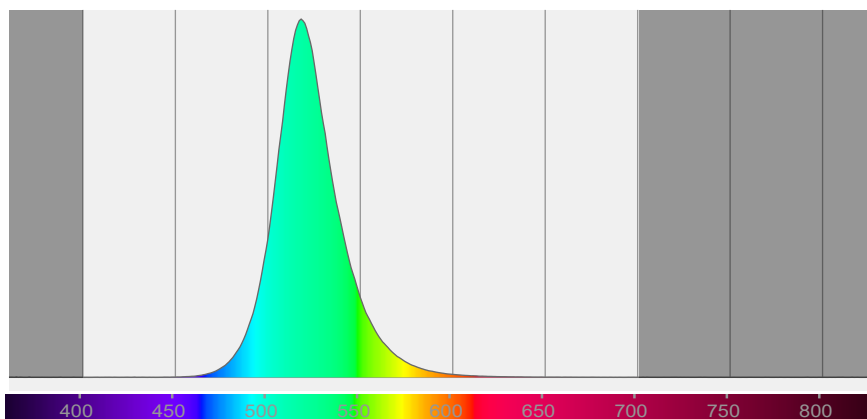


Beam angle 50%: 23,6°

Field angle 10%: 29,4°

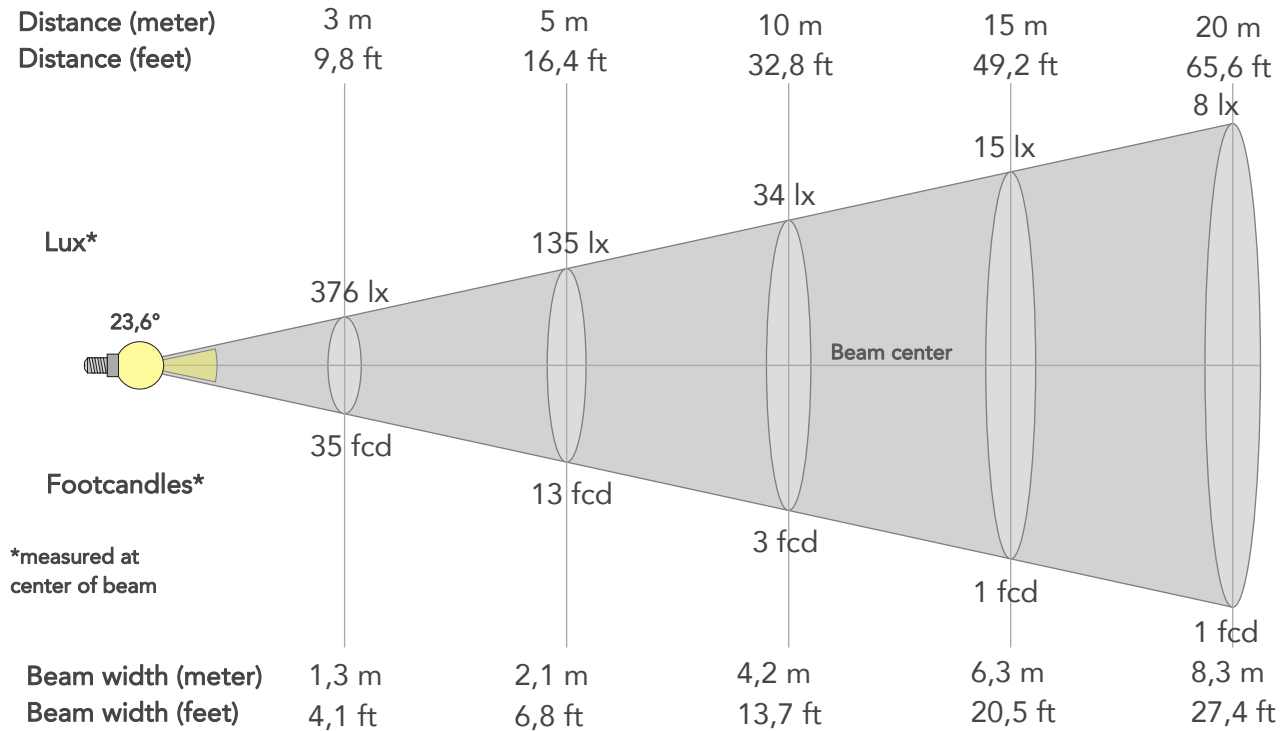
Cut off angle 2.5%: 31,5°

Spectra



BEAM DETAILS

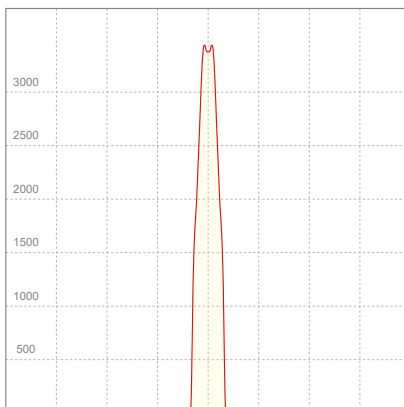
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,6°	29,4°	31,5°	99,5%	99,3%



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	3381lx	845lx	376lx	211lx	135lx	60lx	34lx	15lx	8lx	5lx	4lx	2lx	1lx
Footcand.	314fcd	79fcd	35fcd	20fcd	13fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,3m	1,7m	2,1m	3,1m	4,2m	6,3m	8,3m	10,4m	12,5m	16,7m	20,8m
Beam wid.	1,4ft	2,8ft	4,1ft	5,5ft	6,8ft	10,3ft	13,7ft	20,5ft	27,4ft	34,2ft	41ft	54,7ft	68,4ft

LINEAR DISTRIBUTION DIAGRAM

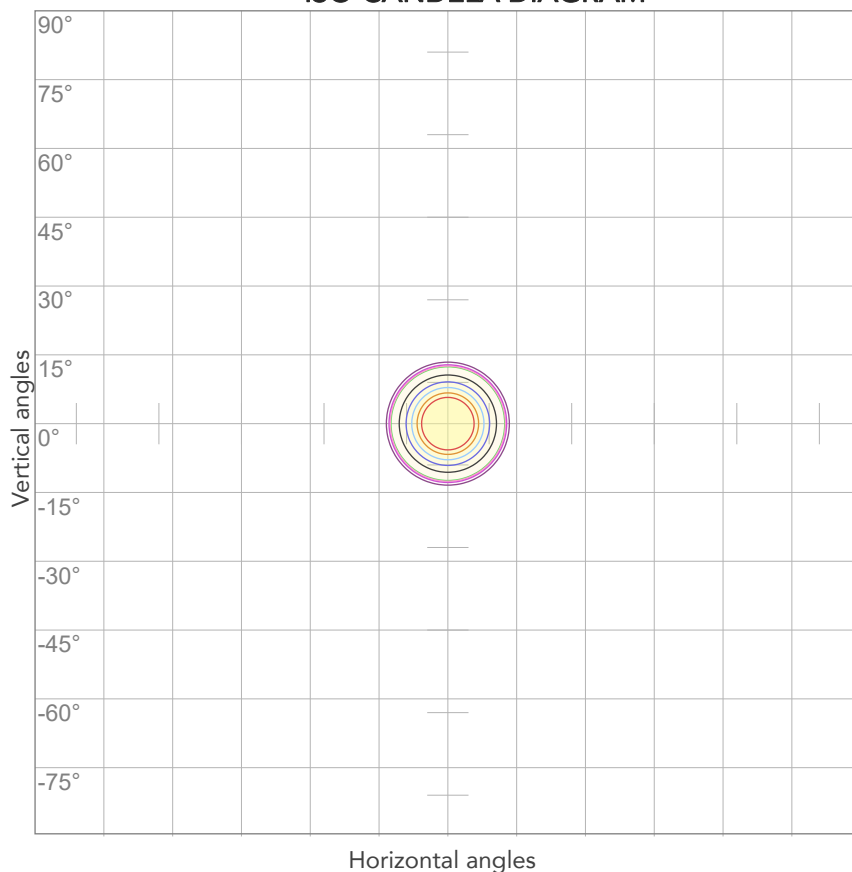


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,172A	38,7W	0,8	11lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



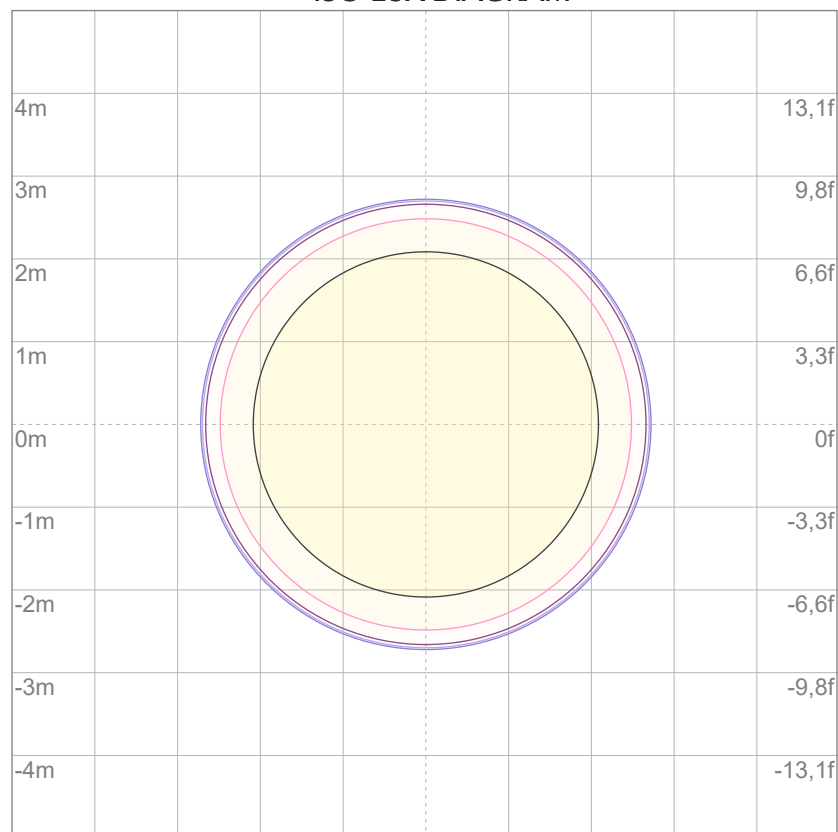
10%	338 cd
20%	676 cd
30%	1014 cd
40%	1353 cd
50%	1691 cd
60%	2029 cd
70%	2367 cd
80%	2705 cd

Conditions:

Number of c-planes: 2

Candela at center: 3381 cd

ISO LUX DIAGRAM



3%	1,01 lx
5%	1,69 lx
10%	3,38 lx
30%	10,1 lx
50%	16,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 33,8 lx

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



Total lumen output:

465 lm

Peak candela output:

1645 cd

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 50° MFX100LWTM

Target:

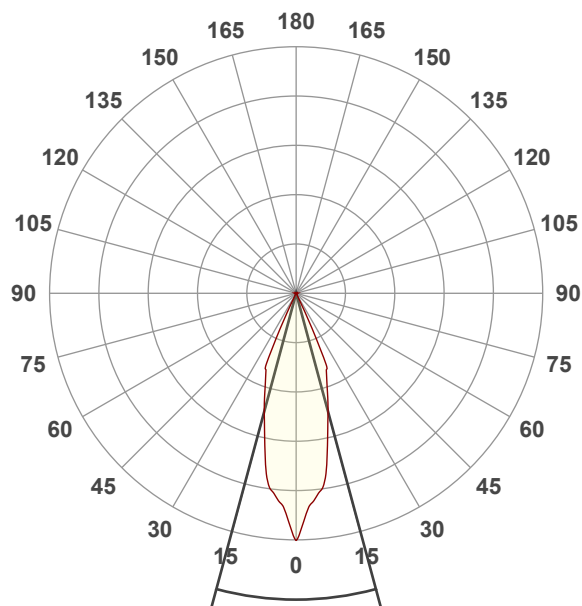
Green

Operator:

Salvatore Giglio

Date and time:

29/08/2024 12:52:59

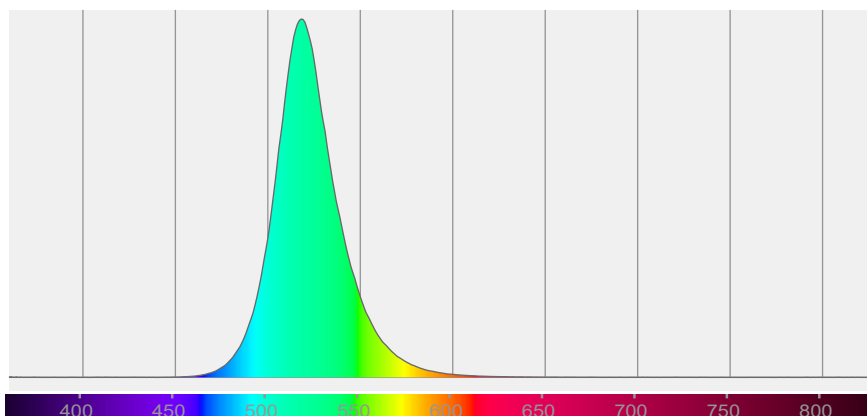


Beam angle 50%: 30,2°

Field angle 10%: 50,1°

Cut off angle 2.5%: 52,5°

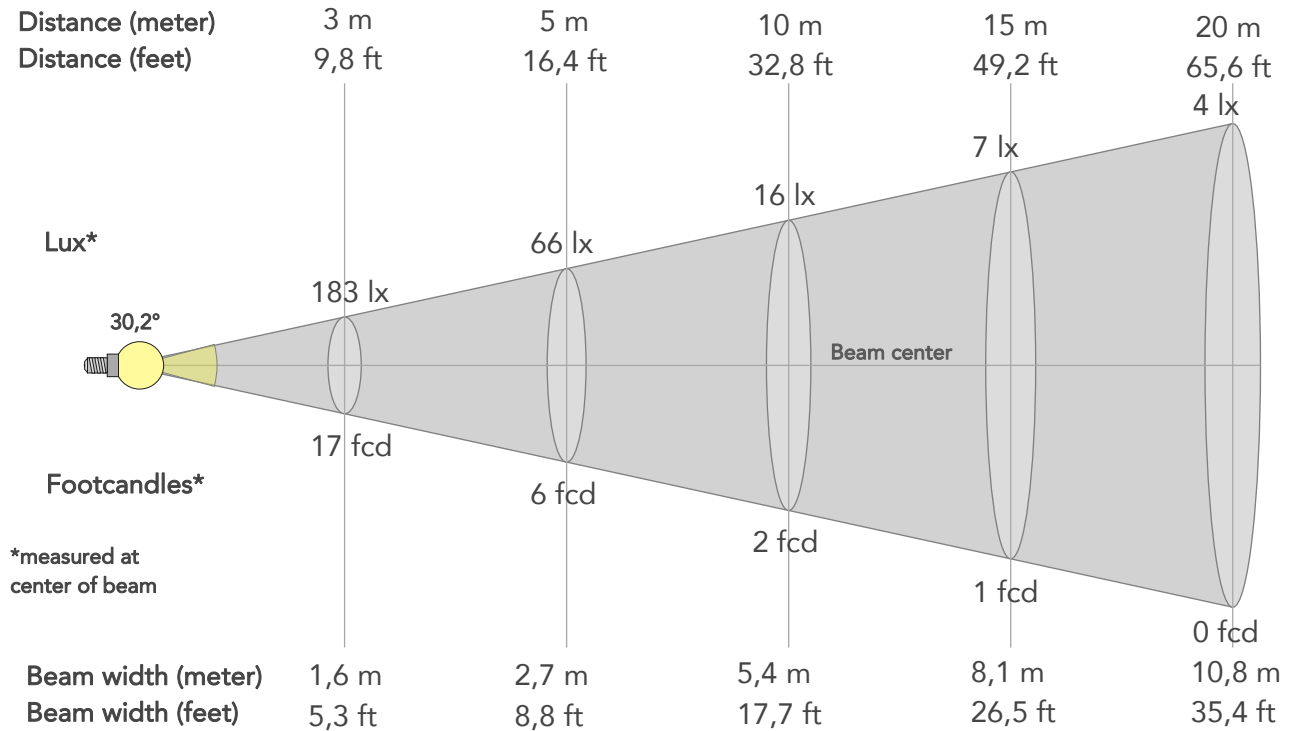
Spectra



BEAM DETAILS



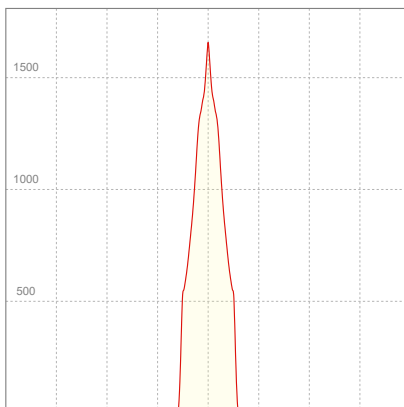
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
30,2°	50,1°	52,5°	99,4%	99,3%



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	1645lx	411lx	183lx	103lx	66lx	29lx	16lx	7lx	4lx	3lx	2lx	1lx	1lx
Footcand.	153fcd	38fcd	17fcd	10fcd	6fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1,1m	1,6m	2,2m	2,7m	4m	5,4m	8,1m	10,8m	13,5m	16,2m	21,6m	27m
Beam wid.	1,8ft	3,6ft	5,3ft	7,1ft	8,8ft	13,3ft	17,7ft	26,5ft	35,4ft	44,2ft	53,1ft	70,8ft	88,5ft

LINEAR DISTRIBUTION DIAGRAM

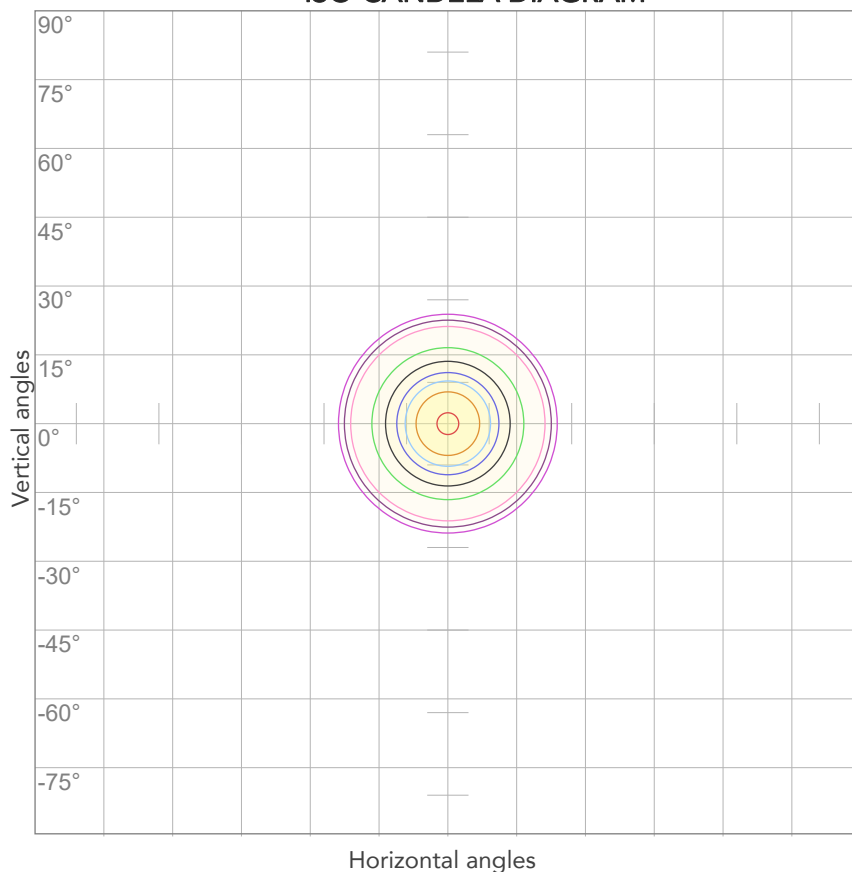


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,207A	37,5W	0,8	12lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



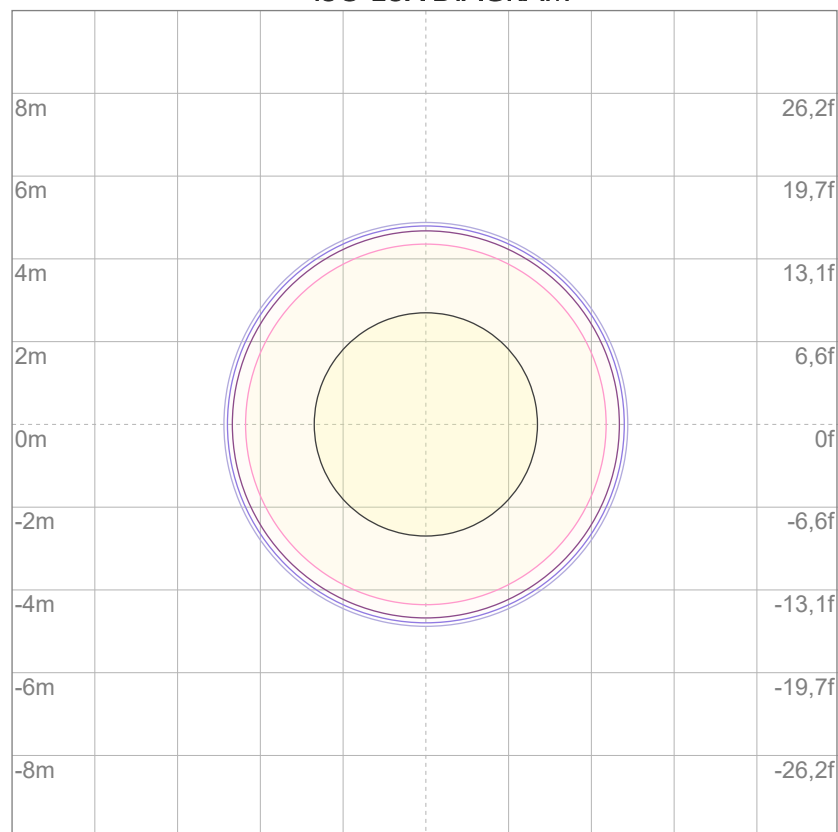
10%	164 cd
20%	329 cd
30%	493 cd
40%	658 cd
50%	822 cd
60%	987 cd
70%	1151 cd
80%	1316 cd

Conditions:

Number of c-planes: 2

Candela at center: 1645 cd

ISO LUX DIAGRAM



3%	0,493 lx
5%	0,822 lx
10%	1,64 lx
30%	4,93 lx
50%	8,22 lx

Conditions:

Number of c-planes: 2

Lux at center: 16,4 lx

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



Total lumen output:

322 lm

Peak candela output:

780 cd

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 70° MFX100LWGVW

Target:

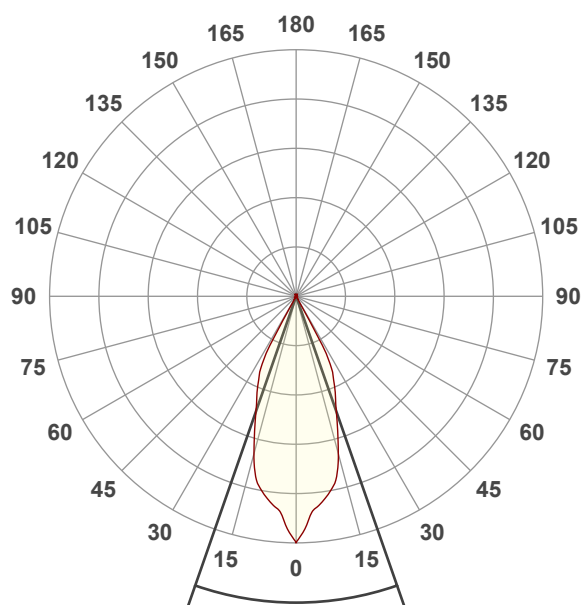
Green

Operator:

Salvatore Giglio

Date and time:

29/08/2024 16:38:09

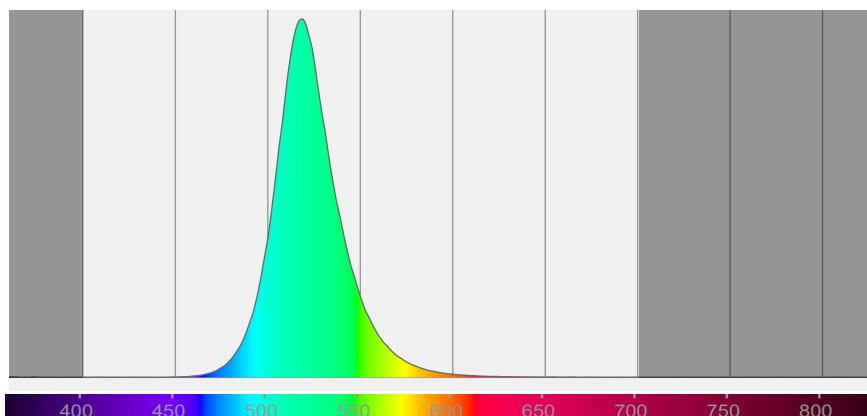


Beam angle 50%: 38,5°

Field angle 10%: 58,7°

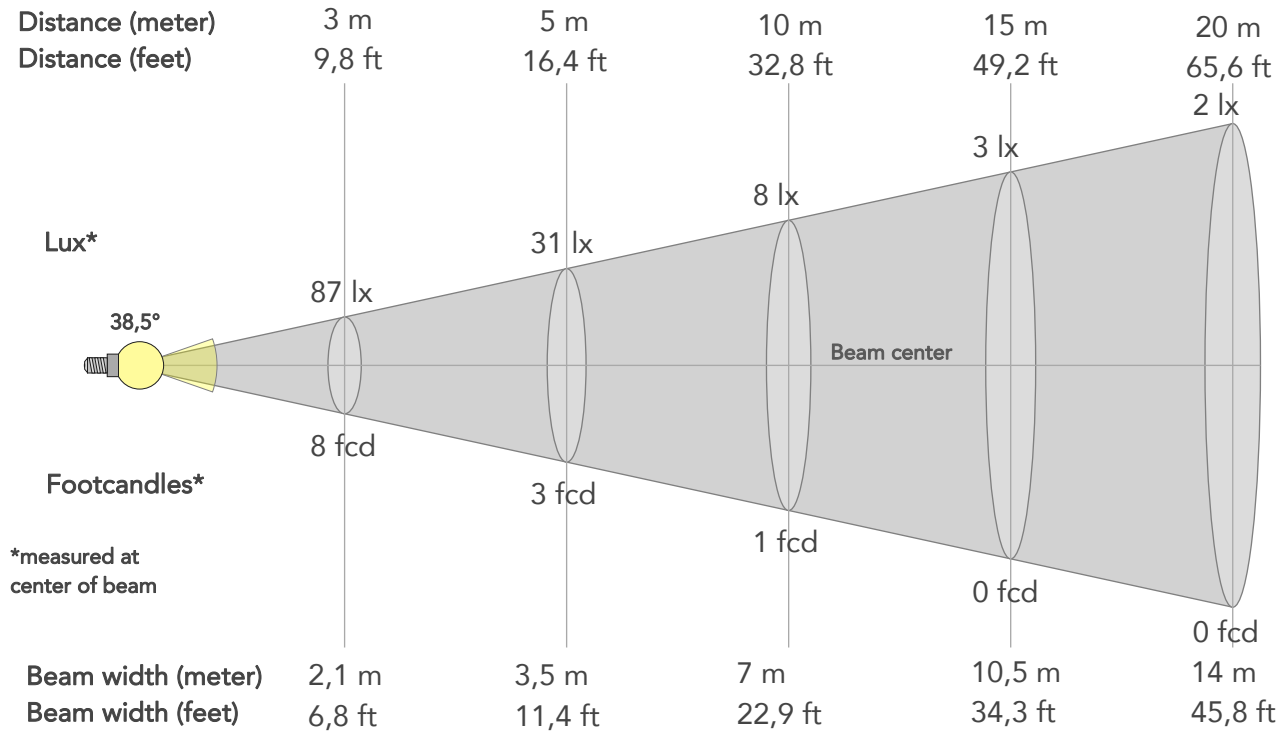
Cut off angle 2.5%: 60,1°

Spectra



BEAM DETAILS

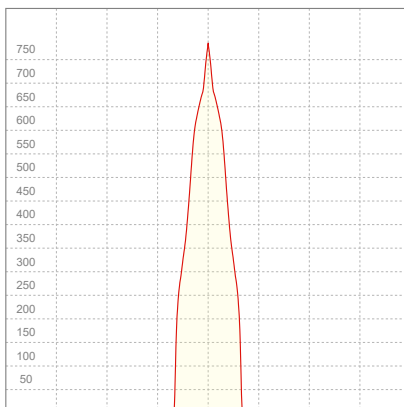
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38,5°	58,7°	60,1°	99,4%	99,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	780lx	195lx	87lx	49lx	31lx	14lx	8lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	73fcd	18fcd	8fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,4m	2,1m	2,8m	3,5m	5,2m	7m	10,5m	14m	17,4m	20,9m	27,9m	34,9m
Beam wid.	2,3ft	4,6ft	6,8ft	9,1ft	11,4ft	17,2ft	22,9ft	34,3ft	45,8ft	57,2ft	68,7ft	91,6ft	114,5ft

LINEAR DISTRIBUTION DIAGRAM

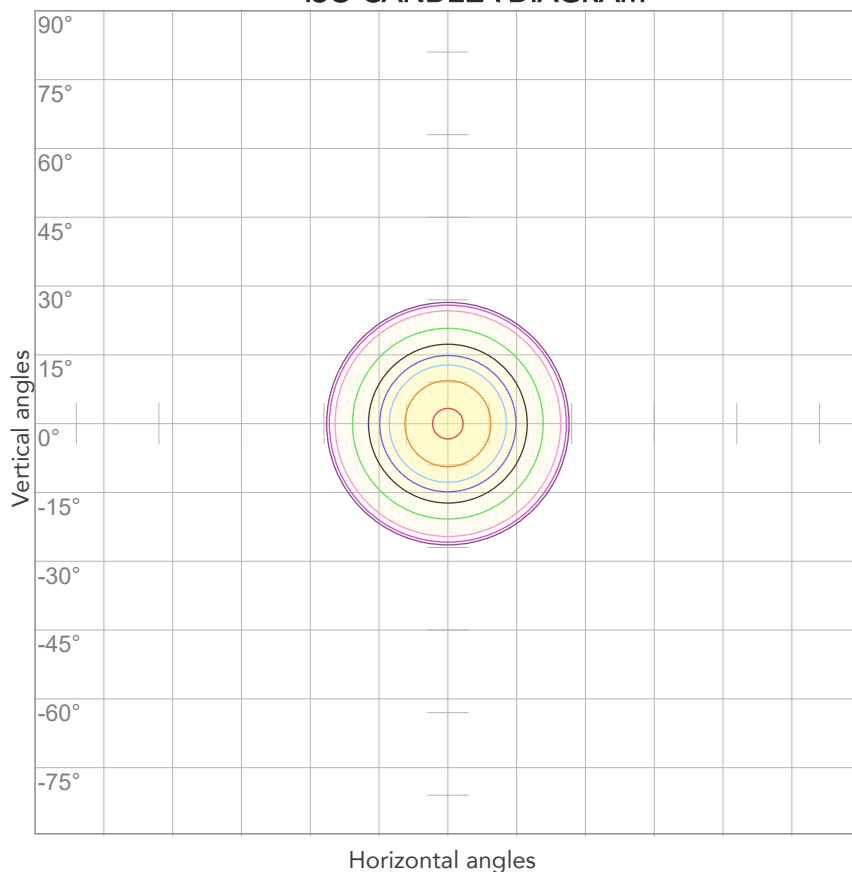


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,216A	38,9W	0,8	8lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



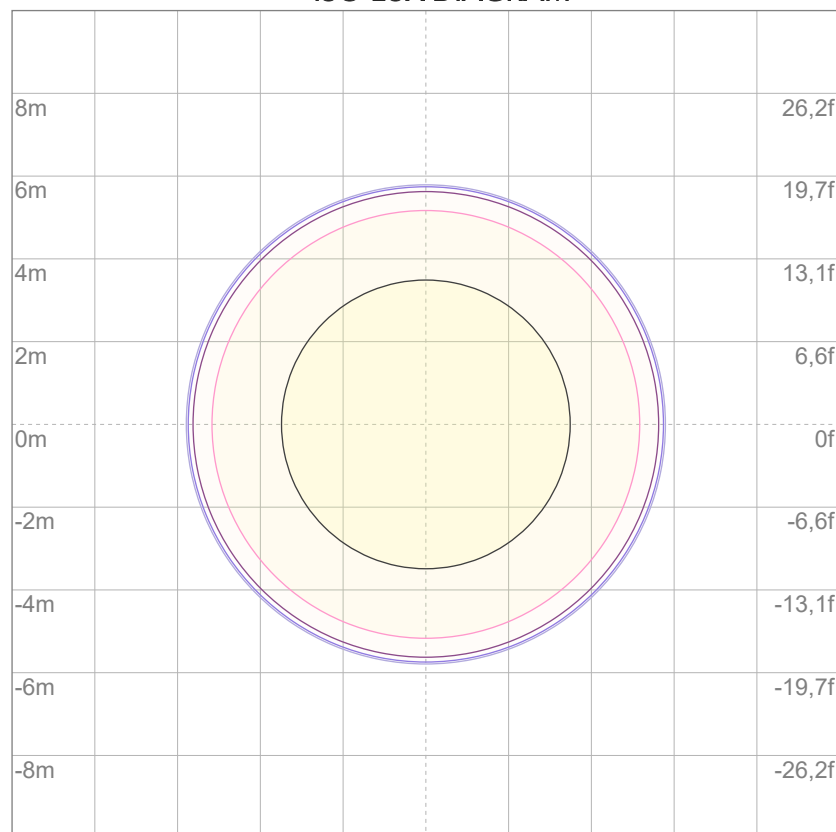
10%	78 cd
20%	156 cd
30%	234 cd
40%	312 cd
50%	390 cd
60%	468 cd
70%	546 cd
80%	624 cd

Conditions:

Number of c-planes: 2

Candela at center: 780 cd

ISO LUX DIAGRAM



3%	0,234 lx
5%	0,390 lx
10%	0,780 lx
30%	2,34 lx
50%	3,90 lx

Conditions:

Number of c-planes: 2

Lux at center: 7,80 lx

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



Total lumen output:

424 lm

Peak candela output:

1458 cd

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 30° MFX100LGBM

Target:

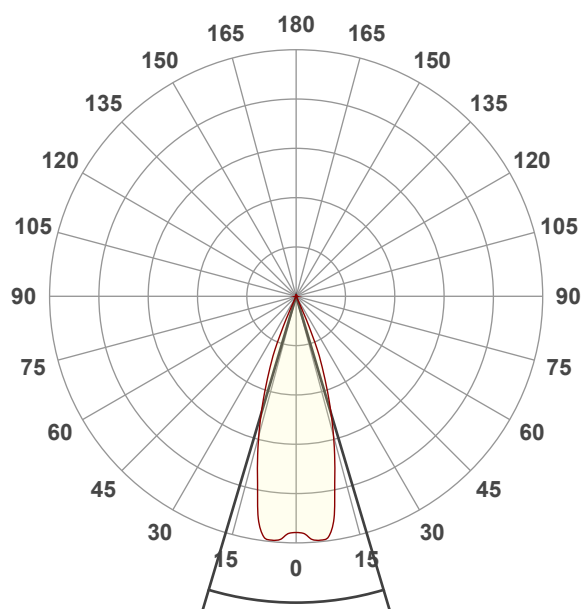
Green

Operator:

Salvatore Giglio

Date and time:

30/08/2024 12:23:50

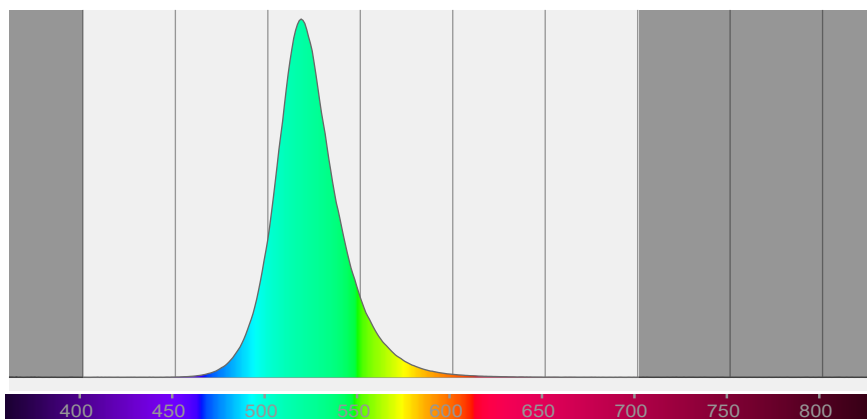


Beam angle 50%: 33,2°

Field angle 10%: 47,4°

Cut off angle 2.5%: 50,4°

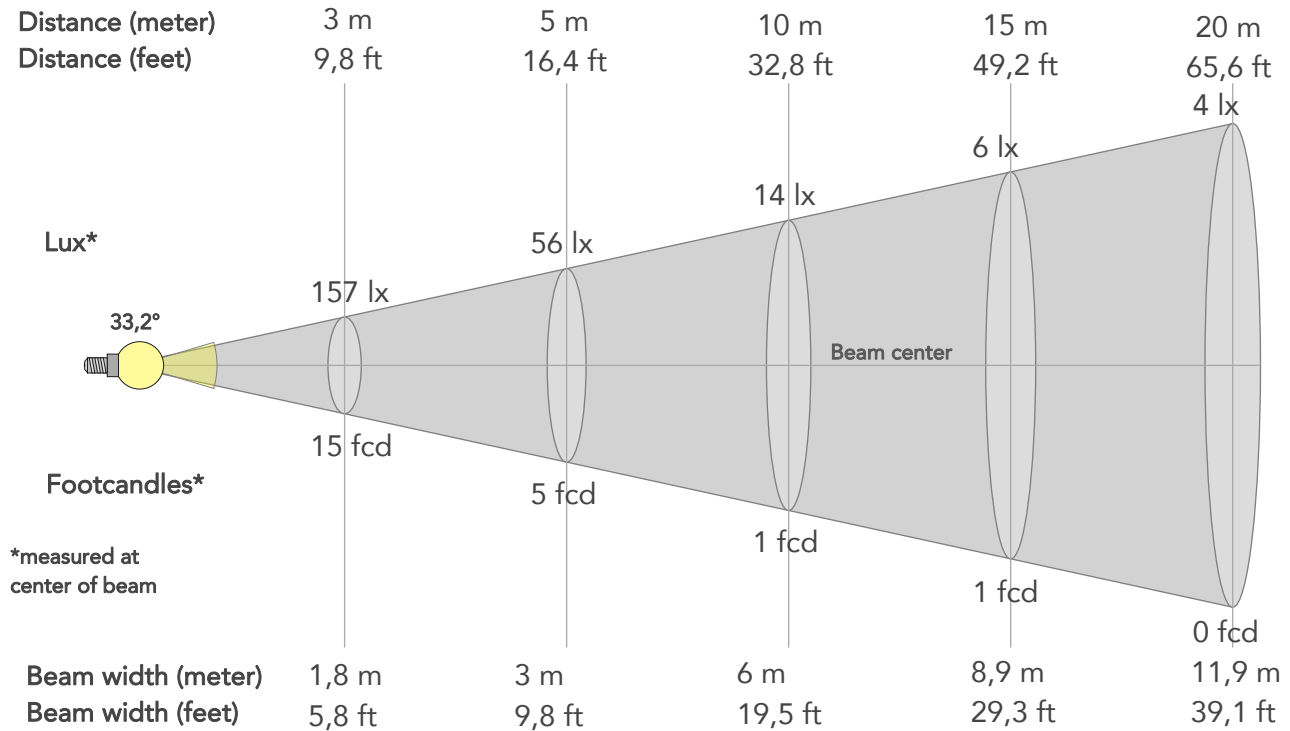
Spectra



BEAM DETAILS



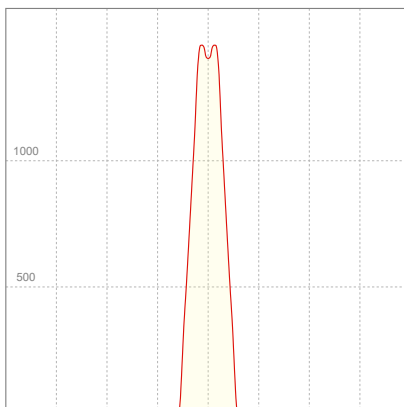
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,2°	47,4°	50,4°	99,5%	99,4%



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	1410lx	353lx	157lx	88lx	56lx	25lx	14lx	6lx	4lx	2lx	2lx	1lx	1lx
Footcand.	131fcd	33fcd	15fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	8,9m	11,9m	14,9m	17,9m	23,8m	29,8m
Beam wid.	2ft	3,9ft	5,8ft	7,8ft	9,8ft	14,7ft	19,5ft	29,3ft	39,1ft	48,9ft	58,6ft	78,2ft	97,7ft

LINEAR DISTRIBUTION DIAGRAM

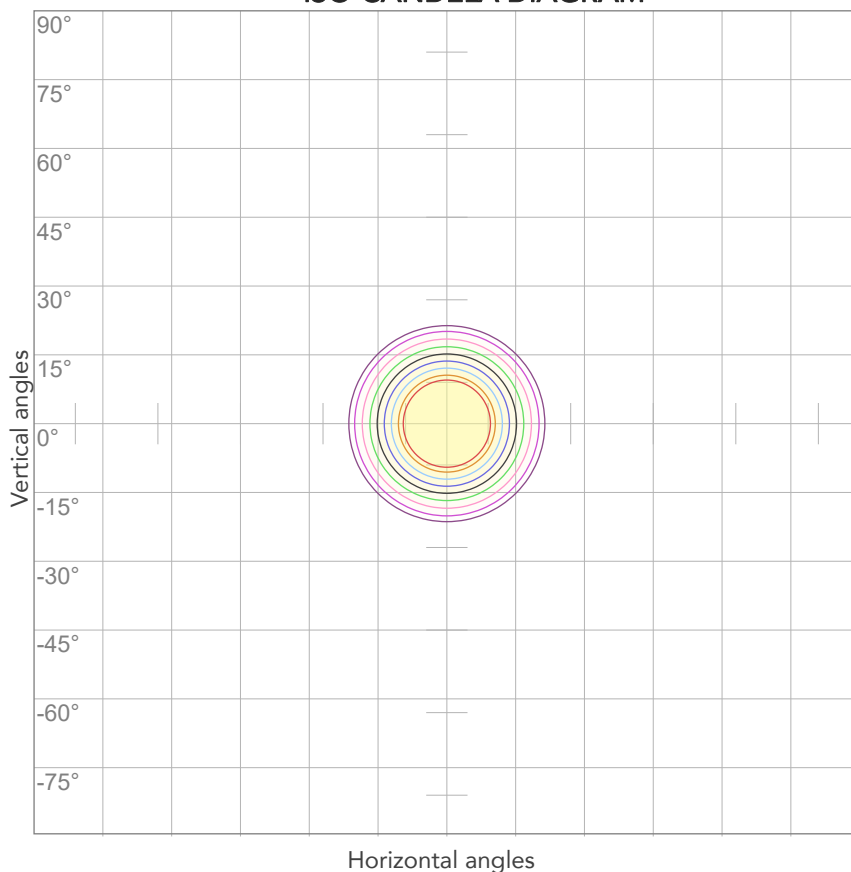


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,172A	38,8W	0,8	11lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



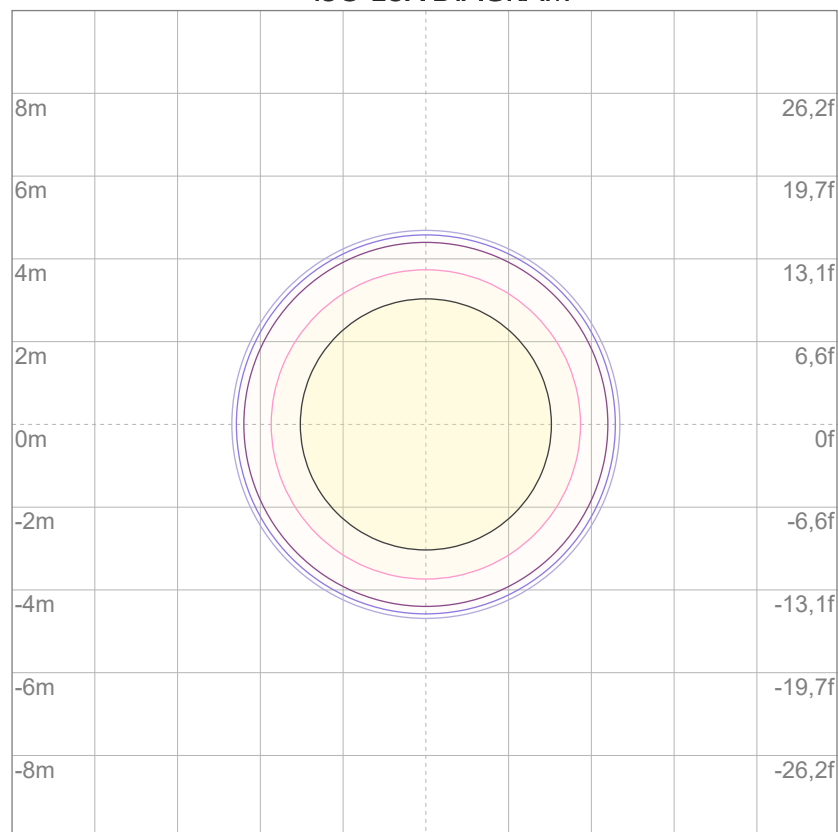
10%	141 cd
20%	282 cd
30%	423 cd
40%	564 cd
50%	705 cd
60%	846 cd
70%	987 cd
80%	1128 cd

Conditions:

Number of c-planes: 2

Candela at center: 1410 cd

ISO LUX DIAGRAM



3%	0,423 lx
5%	0,705 lx
10%	1,41 lx
30%	4,23 lx
50%	7,05 lx

Conditions:

Number of c-planes: 2

Lux at center: 14,1 lx

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



Total lumen output:

326 lm

Peak candela output:

682 cd

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 50° MFX100LGBW

Target:

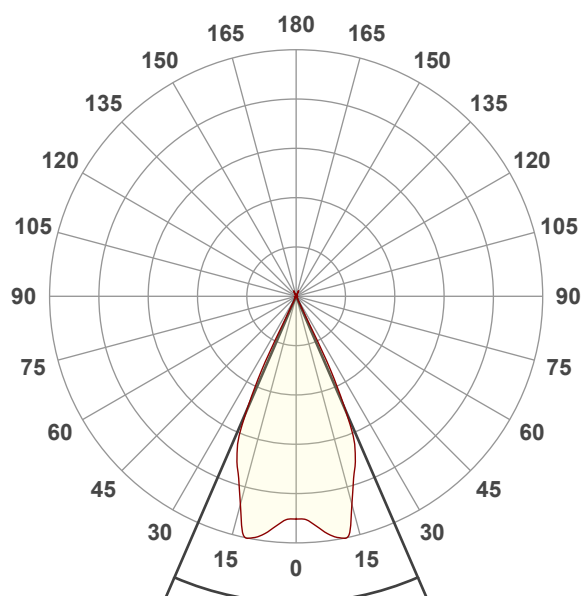
Green

Operator:

Salvatore Giglio

Date and time:

29/08/2024 16:13:02

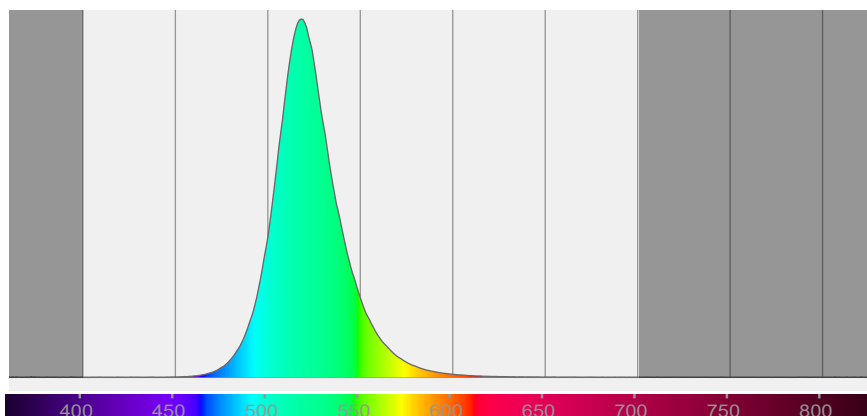


Beam angle 50%: 46,8°

Field angle 10%: 53,5°

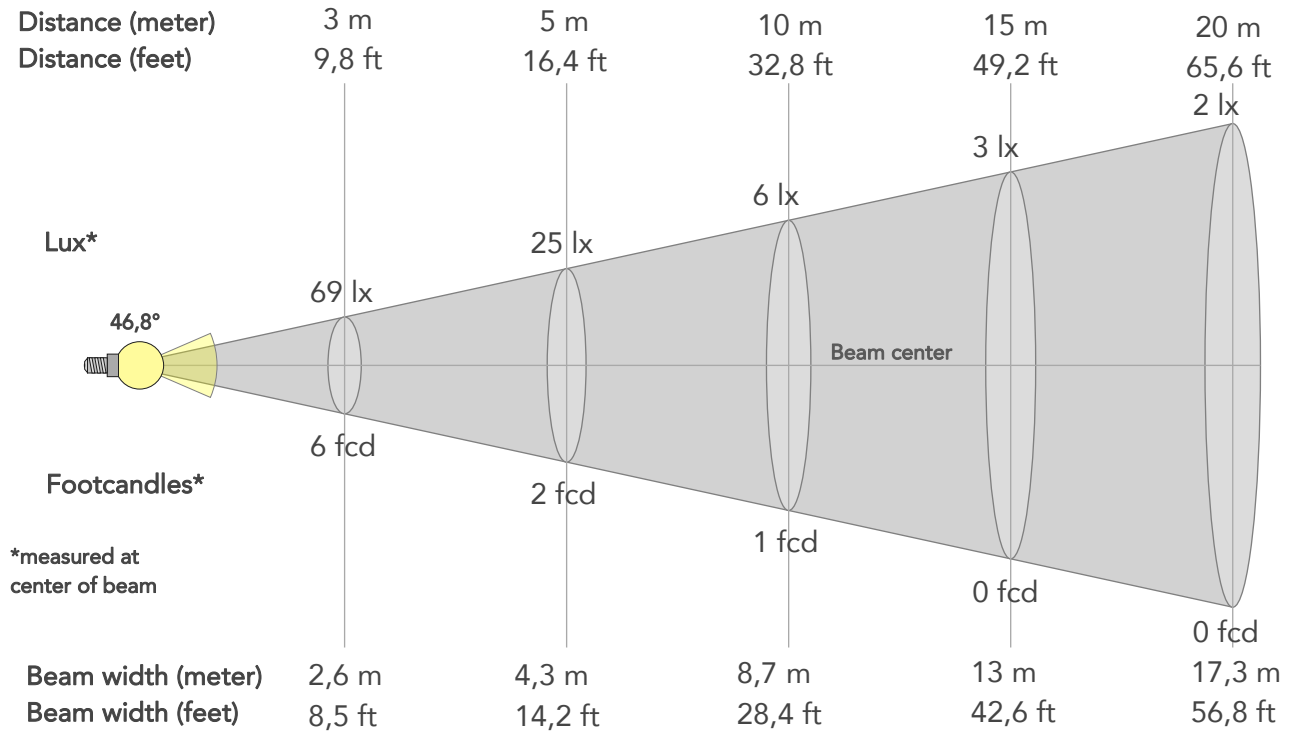
Cut off angle 2.5%: 54,7°

Spectra



BEAM DETAILS

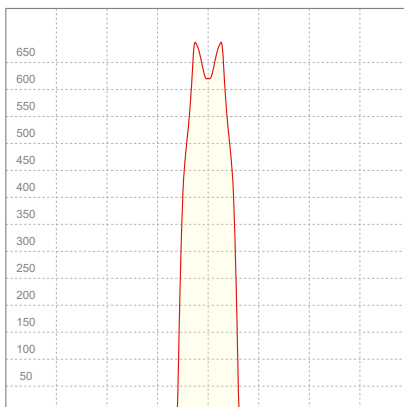
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
46,8°	53,5°	54,7°	99,2%	99,0%



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	620lx	155lx	69lx	39lx	25lx	11lx	6lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	58fcd	14fcd	6fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,7m	2,6m	3,5m	4,3m	6,5m	8,7m	13m	17,3m	21,6m	26m	34,6m	43,3m
Beam wid.	2,9ft	5,7ft	8,5ft	11,3ft	14,2ft	21,3ft	28,4ft	42,6ft	56,8ft	71ft	85,2ft	113,6ft	142ft

LINEAR DISTRIBUTION DIAGRAM

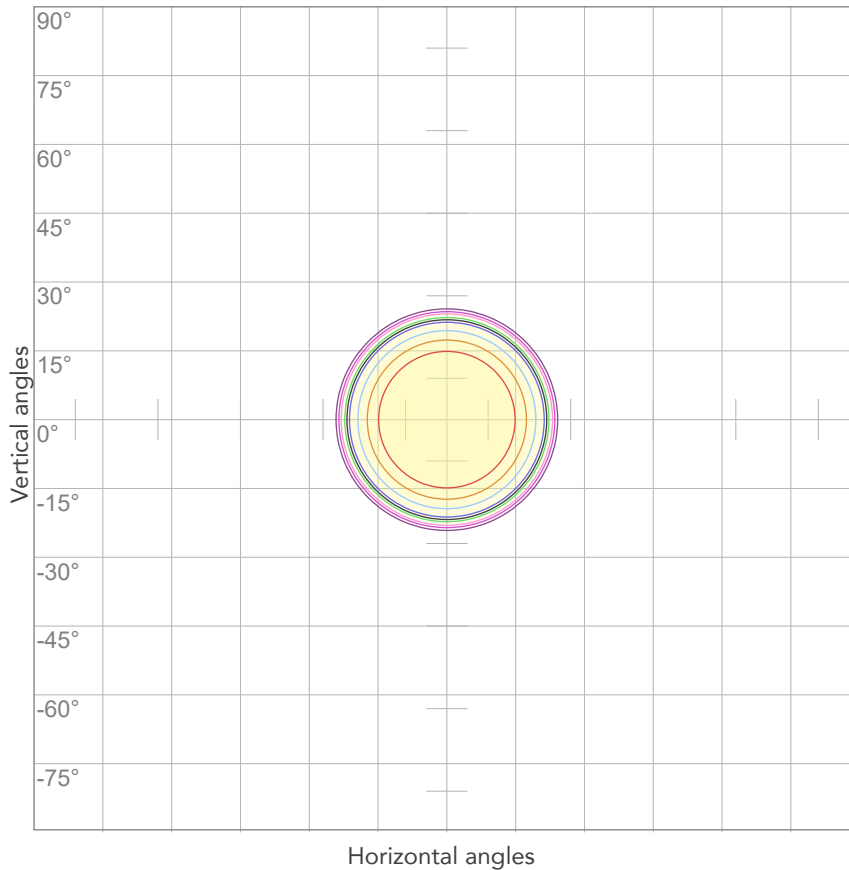


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,218A	39,1W	0,8	8lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



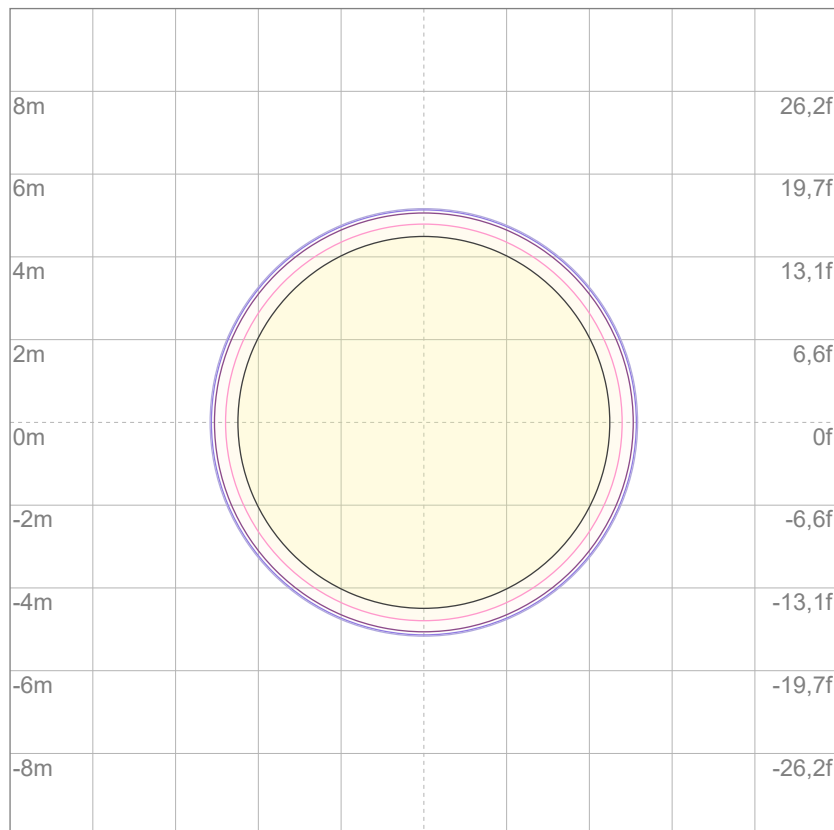
10%	62 cd
20%	124 cd
30%	186 cd
40%	248 cd
50%	310 cd
60%	372 cd
70%	434 cd
80%	496 cd

Conditions:

Number of c-planes: 2

Candela at center: 620 cd

ISO LUX DIAGRAM



3%	0,186 lx
5%	0,310 lx
10%	0,620 lx
30%	1,86 lx
50%	3,10 lx

Conditions:

Number of c-planes: 2

Lux at center: 6,20 lx

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



Total lumen output:

91,5 lm

Peak candela output:

1221 cd

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 15° MFX100LWGN

Target:

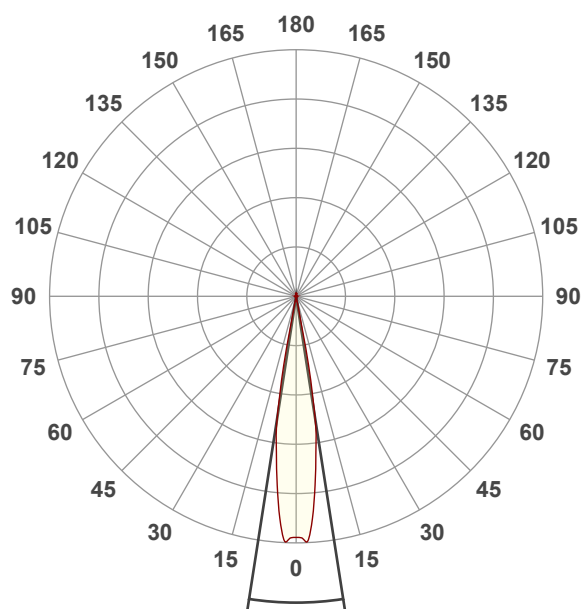
Blue

Operator:

Salvatore Giglio

Date and time:

30/08/2024 10:46:43

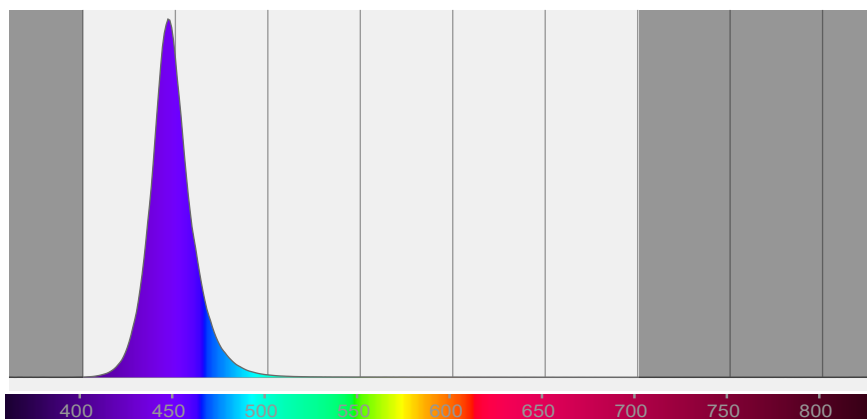


Beam angle 50%: 17,7°

Field angle 10%: 22,5°

Cut off angle 2.5%: 23,3°

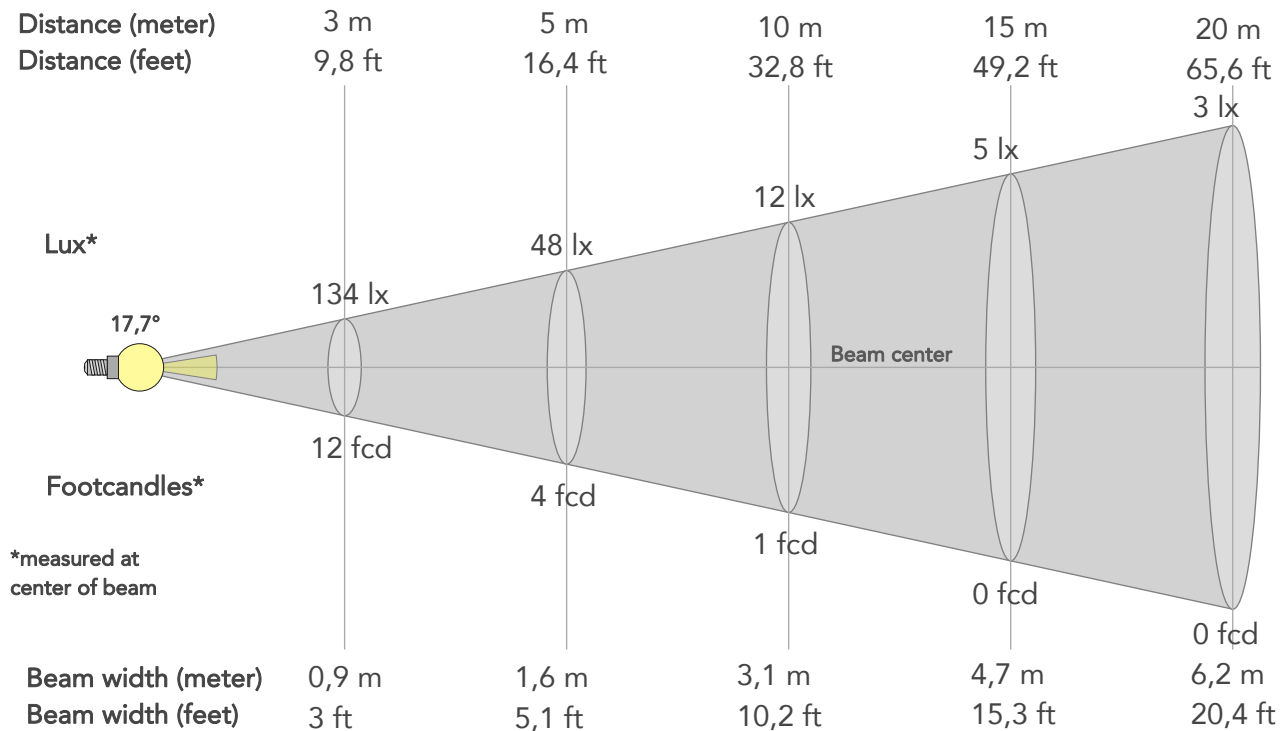
Spectra



BEAM DETAILS



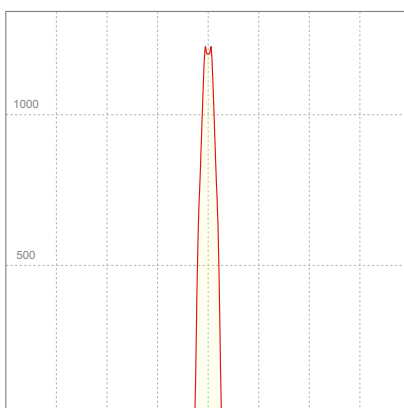
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,7°	22,5°	23,3°	95,8%	95,0%



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	1203lx	301lx	134lx	75lx	48lx	21lx	12lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	112fcd	28fcd	12fcd	7fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,6m	2,3m	3,1m	4,7m	6,2m	7,8m	9,3m	12,4m	15,5m
Beam wid.	1ft	2,1ft	3ft	4,1ft	5,1ft	7,6ft	10,2ft	15,3ft	20,4ft	25,5ft	30,6ft	40,8ft	51ft

LINEAR DISTRIBUTION DIAGRAM

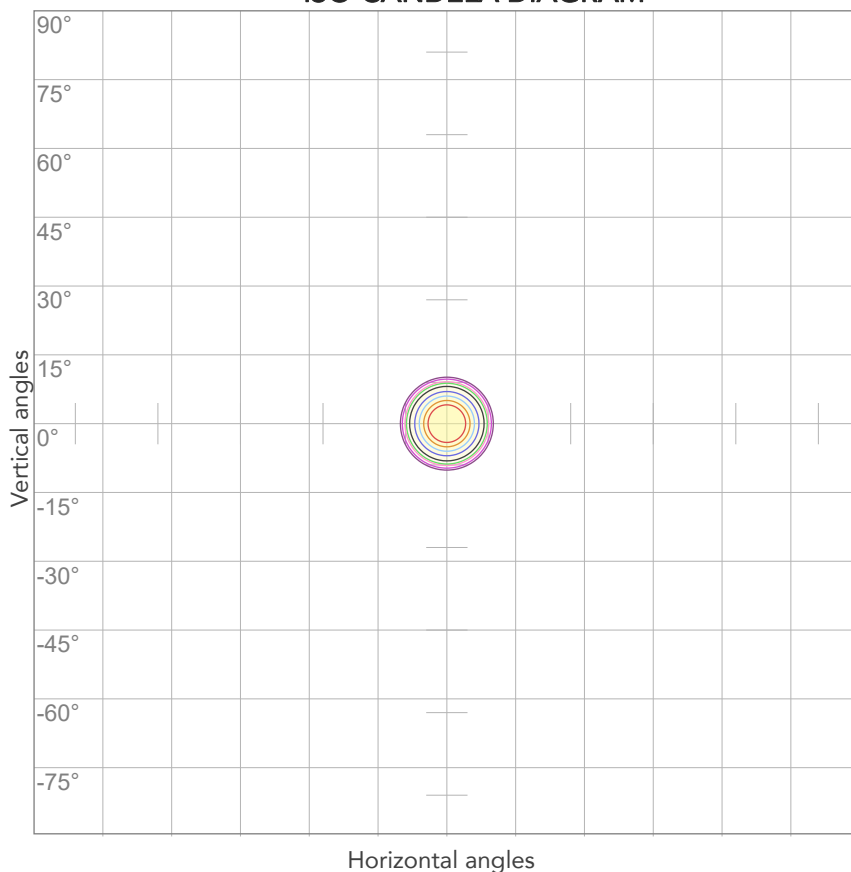


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,216A	39,6W	0,81	2lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



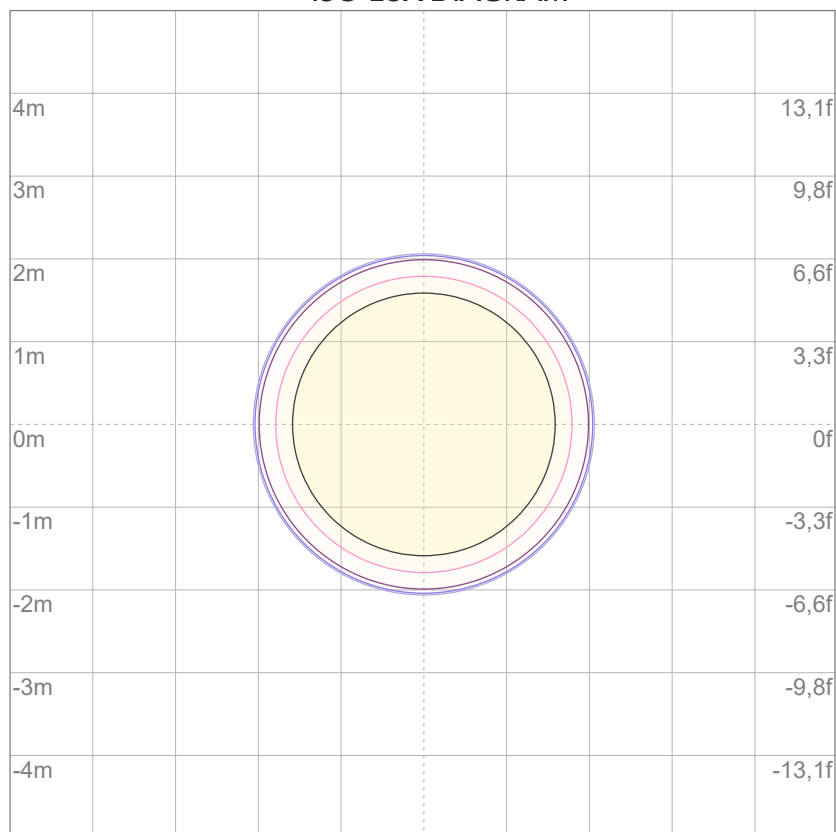
10%	120 cd
20%	241 cd
30%	361 cd
40%	481 cd
50%	601 cd
60%	722 cd
70%	842 cd
80%	962 cd

Conditions:

Number of c-planes: 2

Candela at center: 1203 cd

ISO LUX DIAGRAM



3%	0,361 lx
5%	0,601 lx
10%	1,20 lx
30%	3,61 lx
50%	6,01 lx

Conditions:

Number of c-planes: 2

Lux at center: 12,0 lx

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



Total lumen output:

89,2 lm

Peak candela output:

660 cd

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 30° MFX100LWTM

Target:

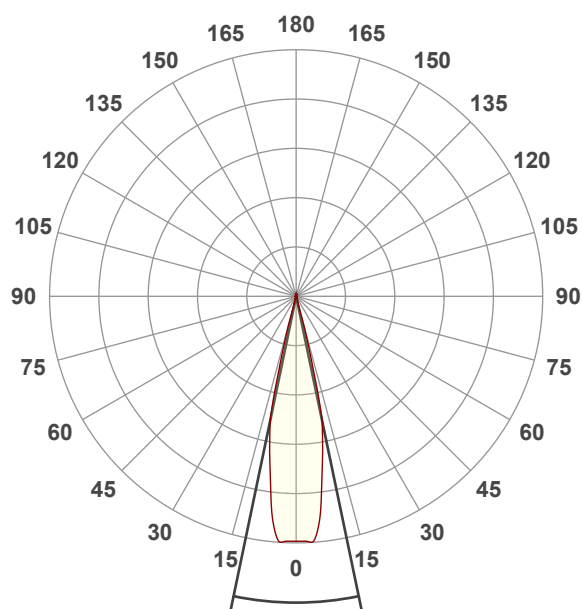
Blue

Operator:

Salvatore Giglio

Date and time:

30/08/2024 12:59:00

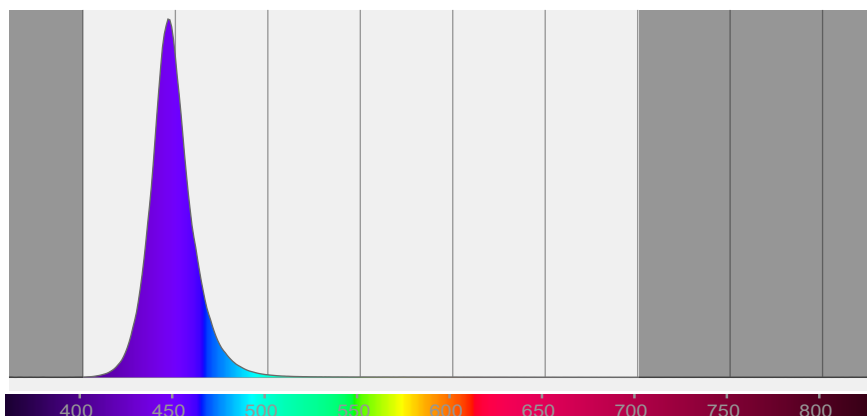


Beam angle 50%: 23,6°

Field angle 10%: 30,3°

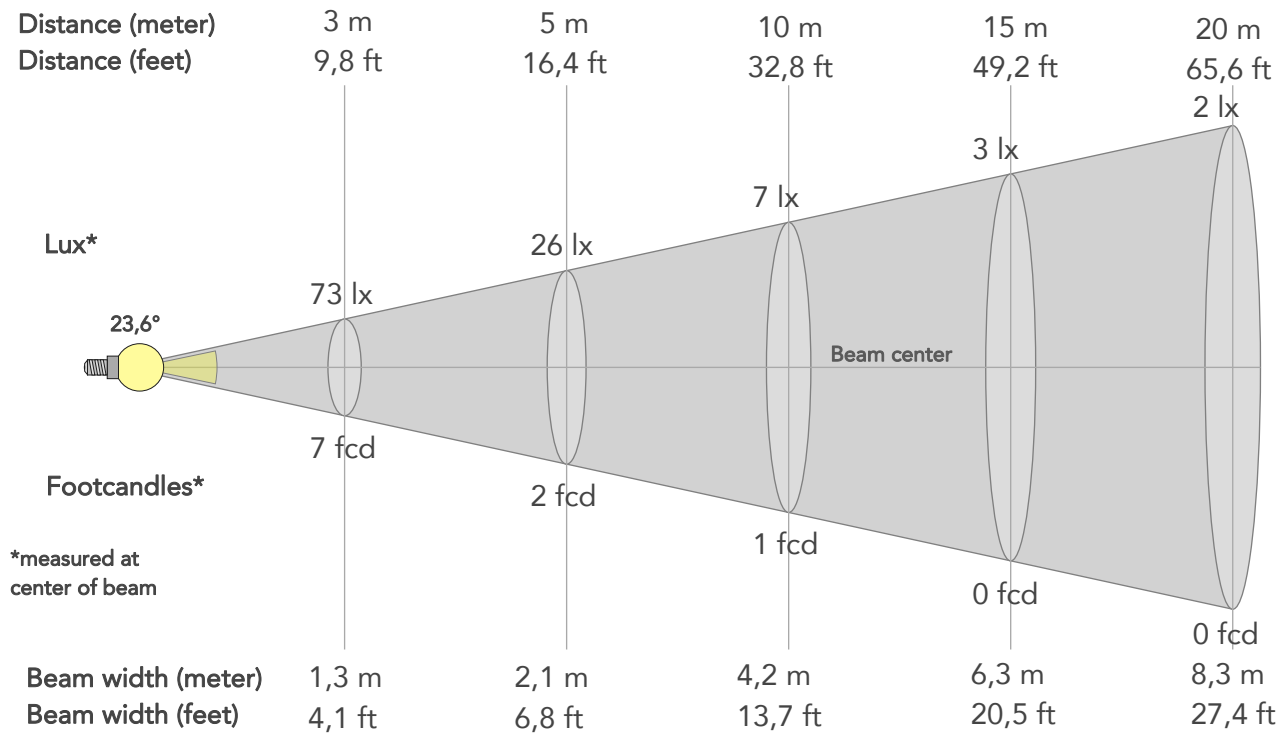
Cut off angle 2.5%: 32°

Spectra



BEAM DETAILS

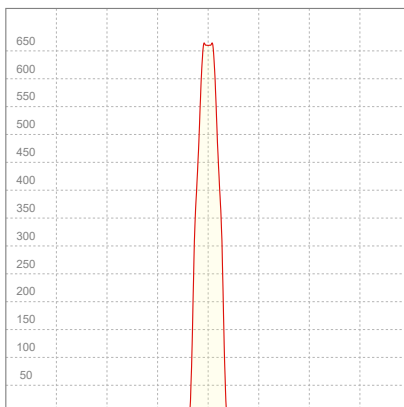
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,6°	30,3°	32°	95,9%	95,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	660lx	165lx	73lx	41lx	26lx	12lx	7lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	61fcd	15fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,3m	1,7m	2,1m	3,1m	4,2m	6,3m	8,3m	10,4m	12,5m	16,7m	20,9m
Beam wid.	1,4ft	2,8ft	4,1ft	5,5ft	6,8ft	10,3ft	13,7ft	20,5ft	27,4ft	34,2ft	41,1ft	54,8ft	68,4ft

LINEAR DISTRIBUTION DIAGRAM

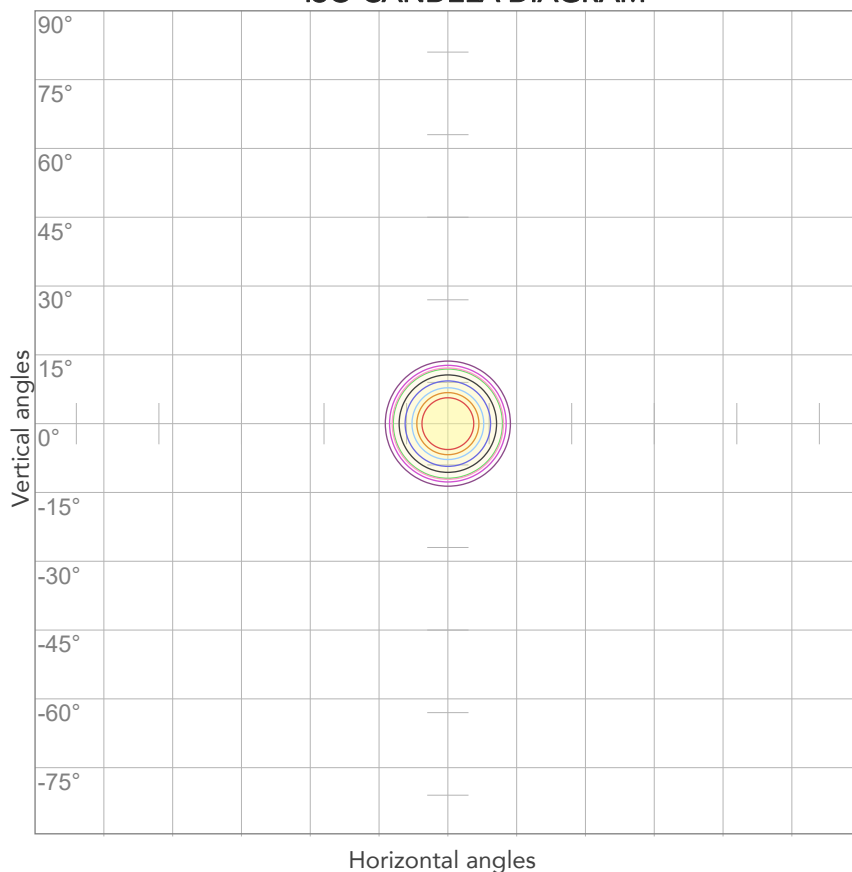


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,174A	39,1W	0,81	2lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



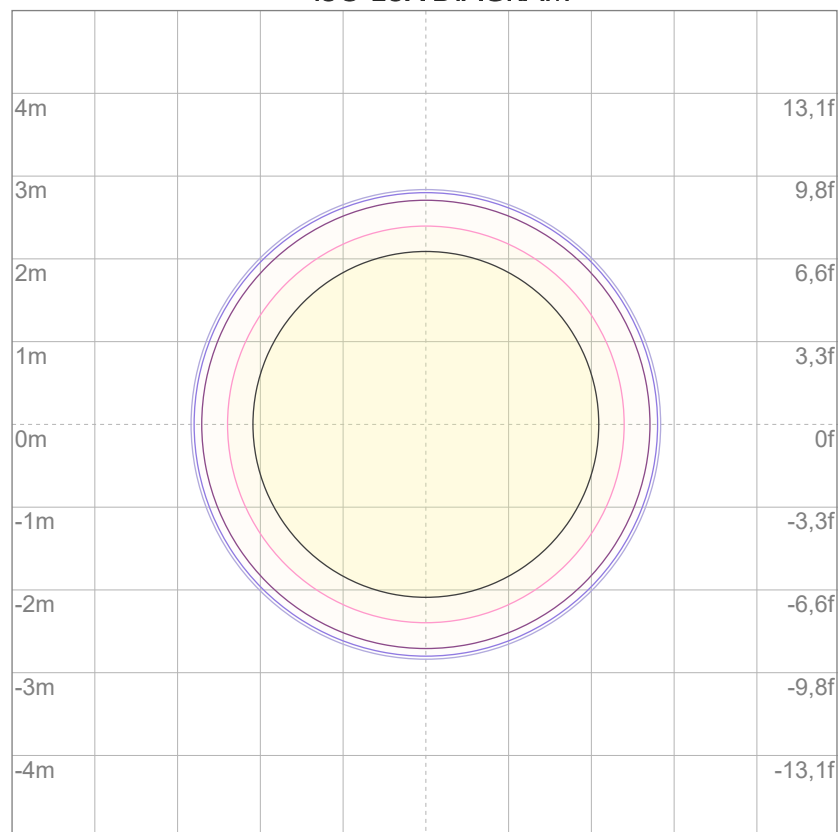
10%	66 cd
20%	132 cd
30%	198 cd
40%	264 cd
50%	330 cd
60%	396 cd
70%	462 cd
80%	528 cd

Conditions:

Number of c-planes: 2

Candela at center: 660 cd

ISO LUX DIAGRAM



3%	0,198 lx
5%	0,330 lx
10%	0,660 lx
30%	1,98 lx
50%	3,30 lx

Conditions:

Number of c-planes: 2

Lux at center: 6,60 lx

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



Total lumen output:

94,2 lm

Peak candela output:

276 cd

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 50° MFX100LWTM

Target:

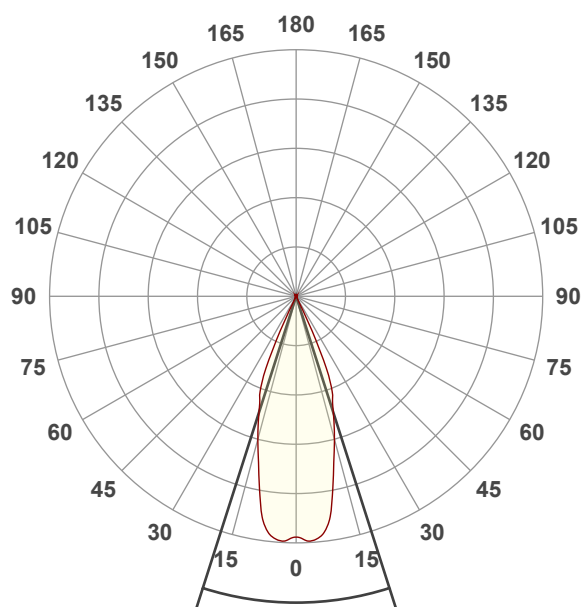
Blue

Operator:

Salvatore Giglio

Date and time:

29/08/2024 12:55:10

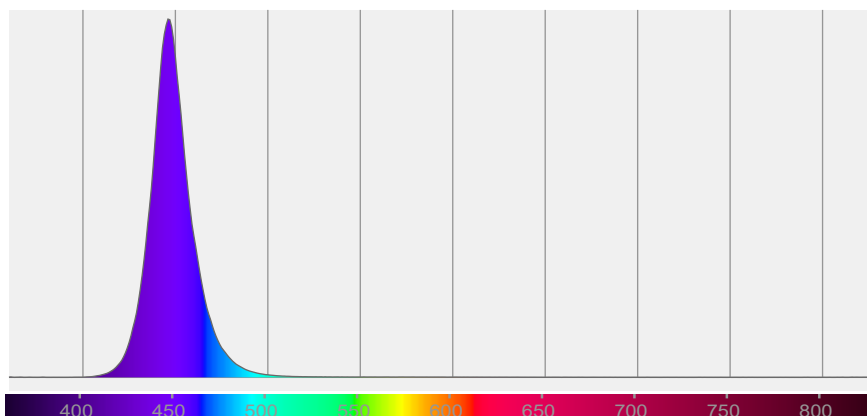


Beam angle 50%: 35,5°

Field angle 10%: 51°

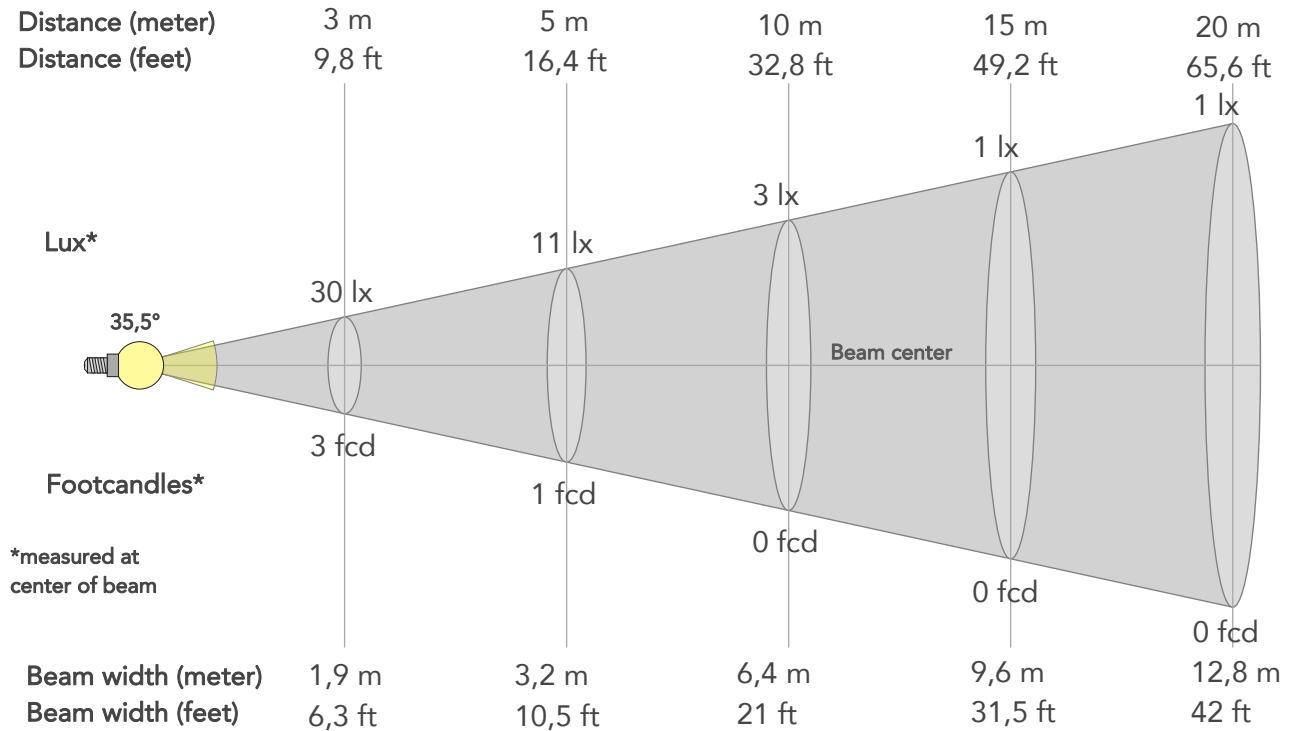
Cut off angle 2.5%: 53°

Spectra



BEAM DETAILS

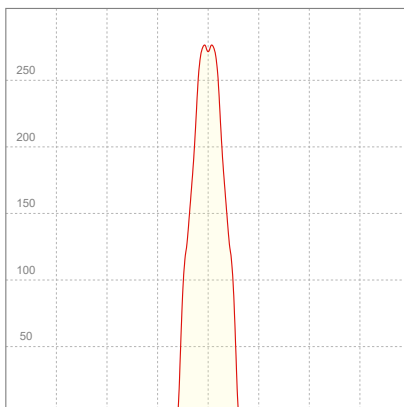
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35,5°	51°	53°	97,4%	96,8%



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	272lx	68lx	30lx	17lx	11lx	5lx	3lx	1lx	1lx	0lx	0lx	0lx	0lx
Footcand.	25fcd	6fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,3m	1,9m	2,6m	3,2m	4,8m	6,4m	9,6m	12,8m	16m	19,2m	25,6m	32m
Beam wid.	2,1ft	4,2ft	6,3ft	8,4ft	10,5ft	15,7ft	21ft	31,5ft	42ft	52,5ft	62,9ft	83,9ft	104,9ft

LINEAR DISTRIBUTION DIAGRAM

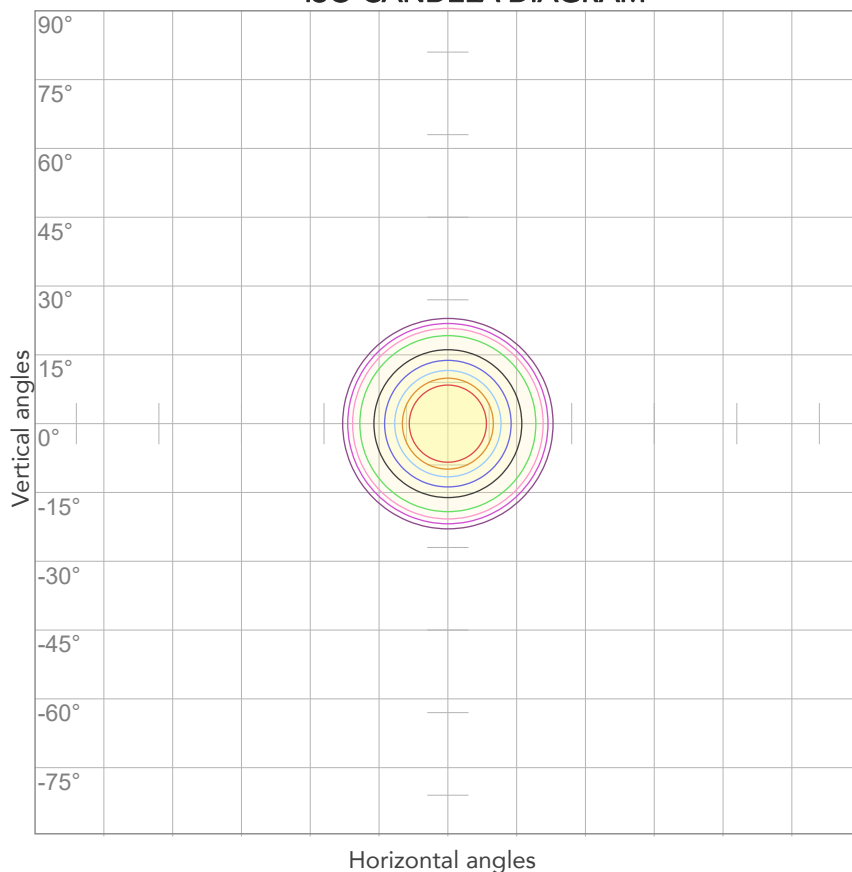


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,210A	38,0W	0,81	2lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



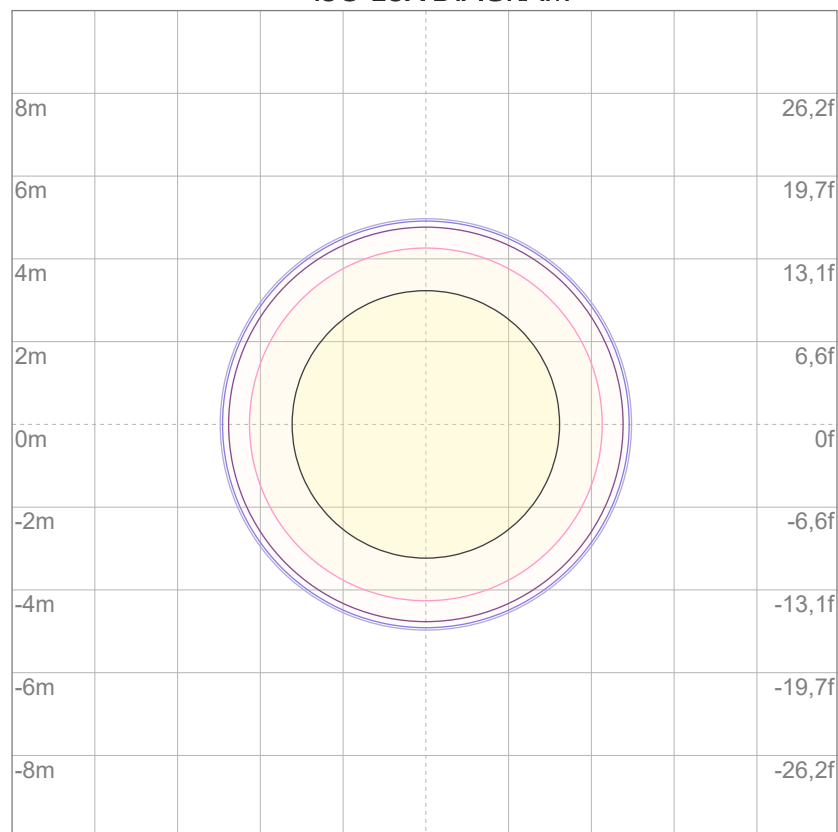
10%	27 cd
20%	54 cd
30%	82 cd
40%	109 cd
50%	136 cd
60%	163 cd
70%	190 cd
80%	218 cd

Conditions:

Number of c-planes: 2

Candela at center: 272 cd

ISO LUX DIAGRAM



3%	81,6m lx
5%	0,136 lx
10%	0,272 lx
30%	0,816 lx
50%	1,36 lx

Conditions:

Number of c-planes: 2

Lux at center: 2,72 lx

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



Total lumen output:

64,2 lm

Peak candela output:

133 cd

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 70° MFX100LWGVW

Target:

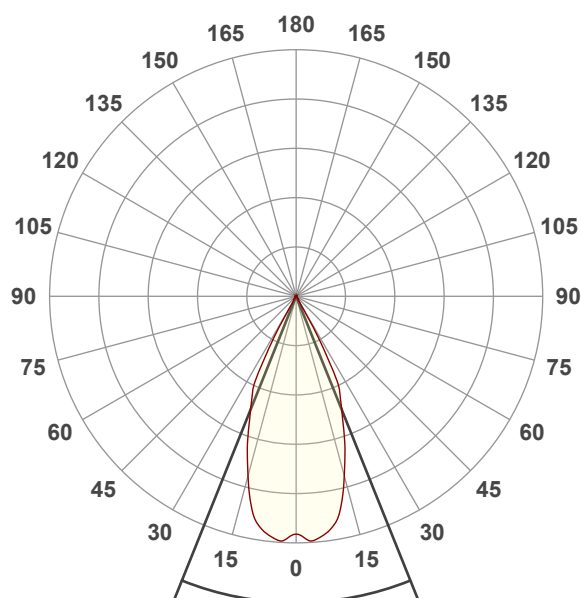
Blue

Operator:

Salvatore Giglio

Date and time:

29/08/2024 16:39:29

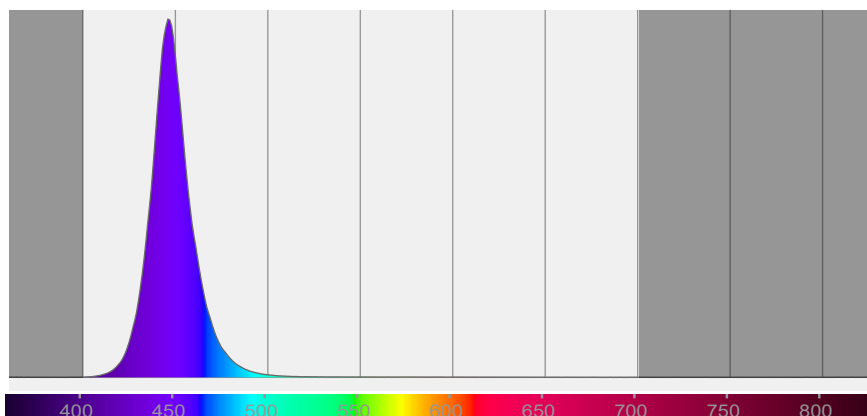


Beam angle 50%: 43,8°

Field angle 10%: 59,3°

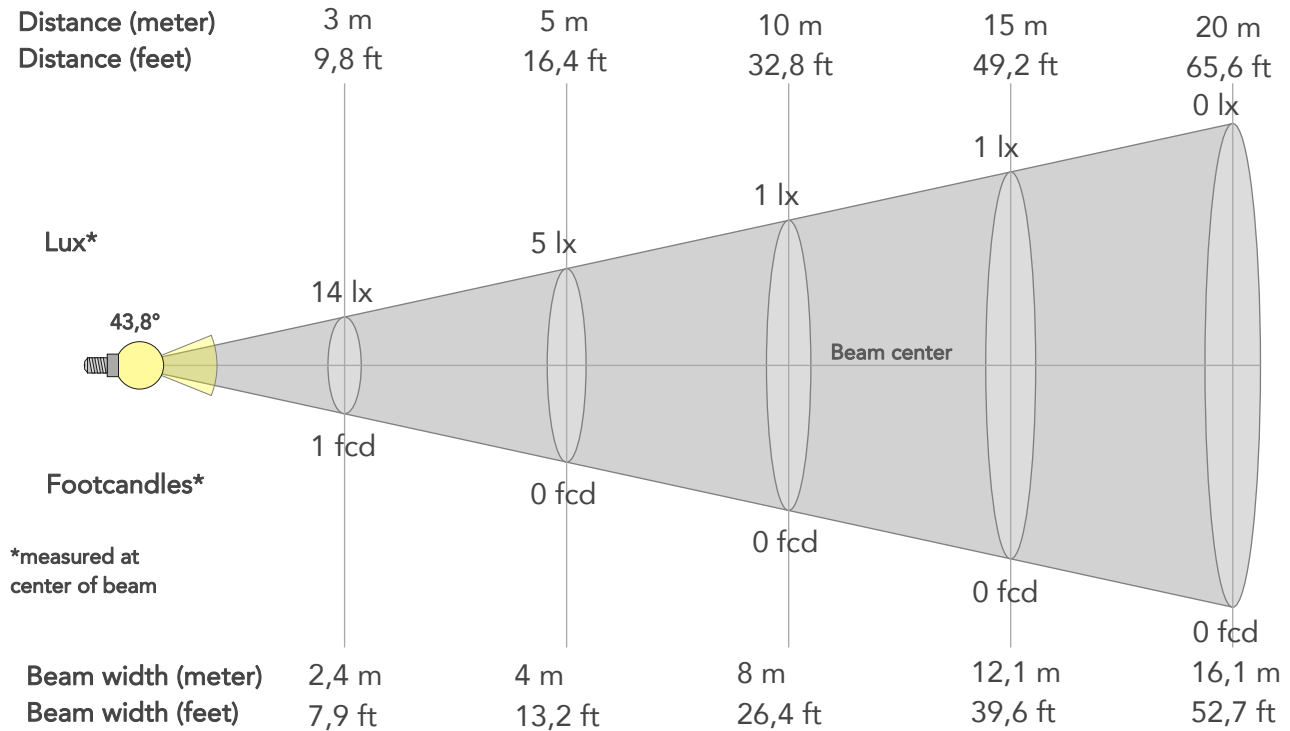
Cut off angle 2.5%: 61,5°

Spectra



BEAM DETAILS

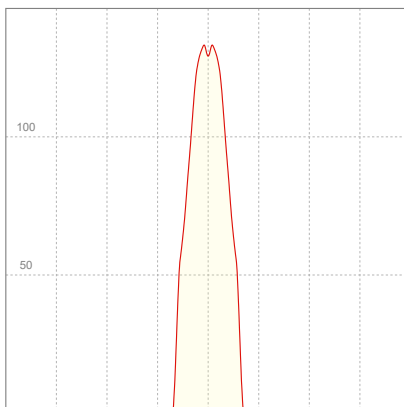
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43,8°	59,3°	61,5°	98,4%	97,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	130lx	32lx	14lx	8lx	5lx	2lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx
Footcand.	12fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,2m	4m	6m	8m	12,1m	16,1m	20,1m	24,1m	32,2m	40,2m
Beam wid.	2,7ft	5,3ft	7,9ft	10,5ft	13,2ft	19,8ft	26,4ft	39,6ft	52,7ft	65,9ft	79,1ft	105,5ft	131,8ft

LINEAR DISTRIBUTION DIAGRAM

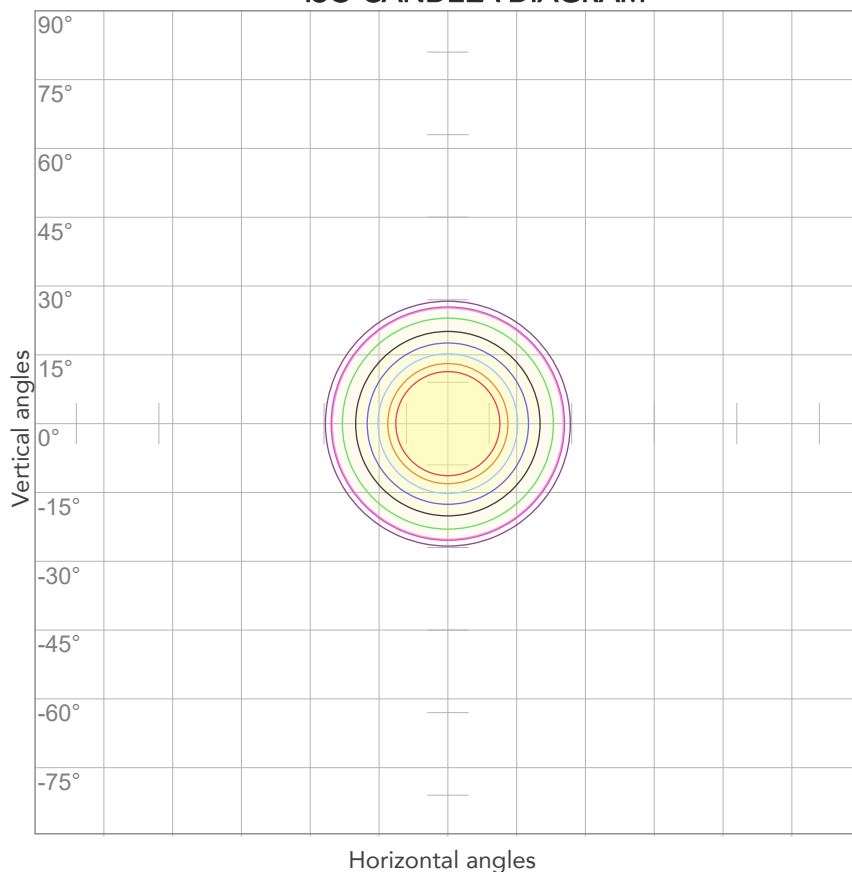


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
223V	0,219A	39,4W	0,81	2lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



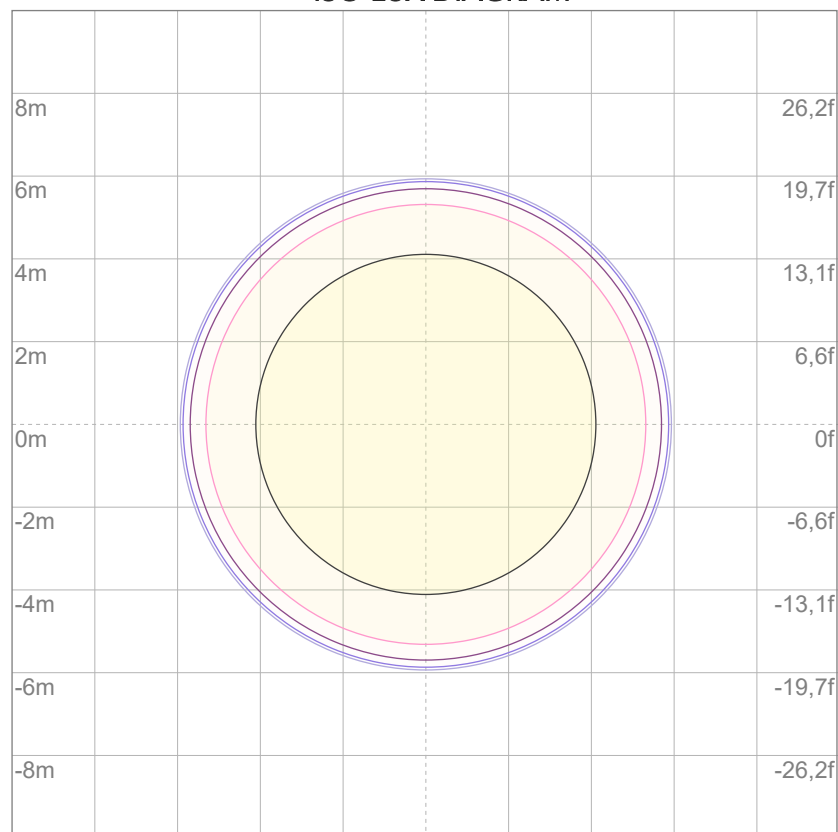
10%	13 cd
20%	26 cd
30%	39 cd
40%	52 cd
50%	65 cd
60%	78 cd
70%	91 cd
80%	104 cd

Conditions:

Number of c-planes: 2

Candela at center: 130 cd

ISO LUX DIAGRAM



3%	38,9m lx
5%	64,8m lx
10%	0,130 lx
30%	0,389 lx
50%	0,648 lx

Conditions:

Number of c-planes: 2

Lux at center: 1,30 lx

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



Total lumen output:

83,6 lm

Peak candela output:

283 cd

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 30° MFX100LGBM

Target:

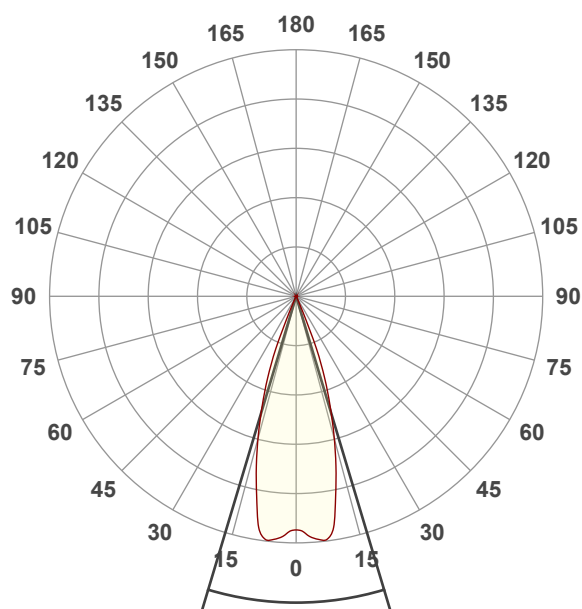
Blue

Operator:

Salvatore Giglio

Date and time:

30/08/2024 12:25:04

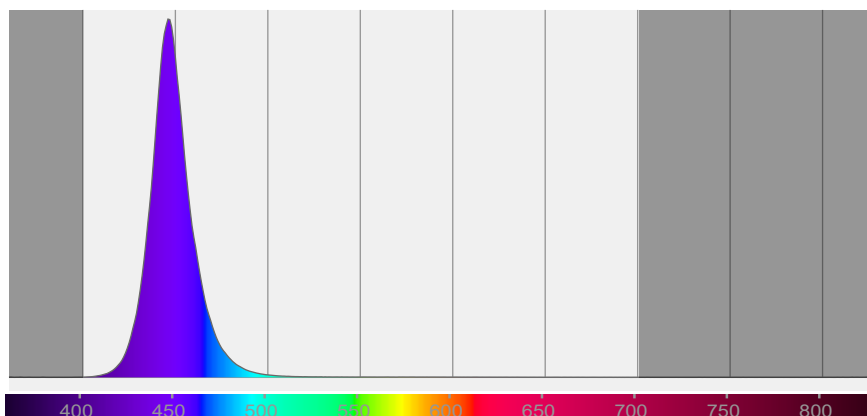


Beam angle 50%: 33,4°

Field angle 10%: 45,7°

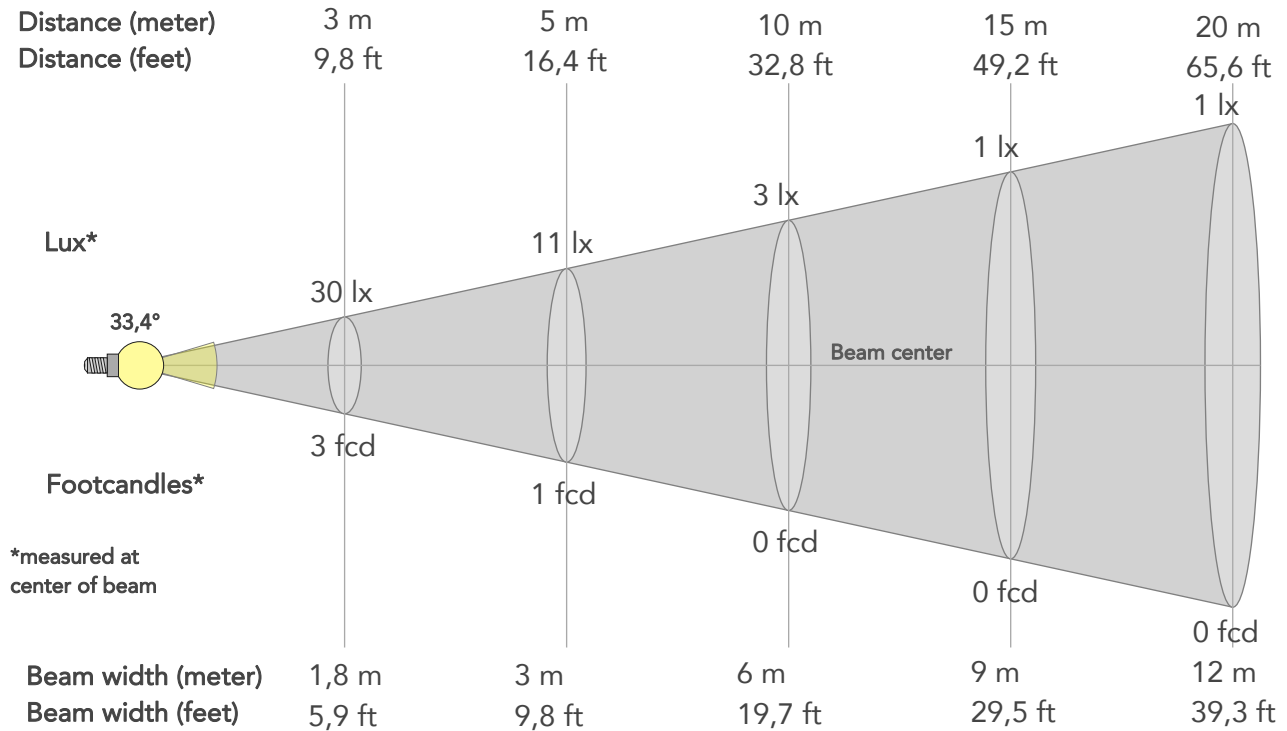
Cut off angle 2.5%: 49,1°

Spectra



BEAM DETAILS

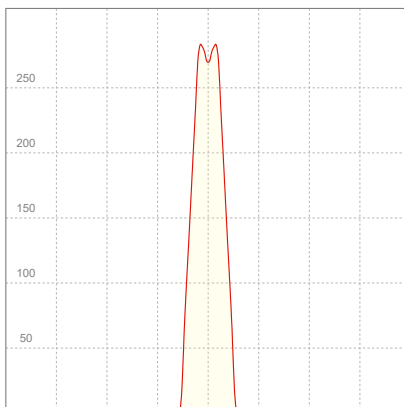
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,4°	45,7°	49,1°	97,1%	96,5%



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	270lx	68lx	30lx	17lx	11lx	5lx	3lx	1lx	1lx	0lx	0lx	0lx	0lx
Footcand.	25fcd	6fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,8ft	14,7ft	19,7ft	29,5ft	39,3ft	49,2ft	59ft	78,7ft	98,3ft

LINEAR DISTRIBUTION DIAGRAM

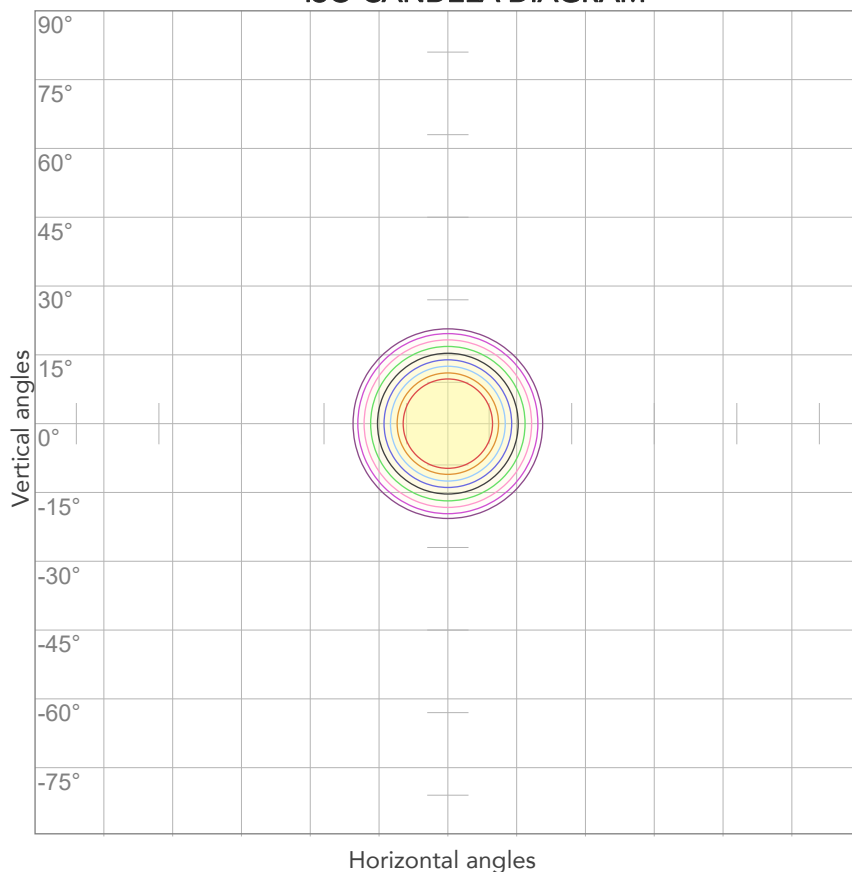


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,172A	38,8W	0,81	2lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



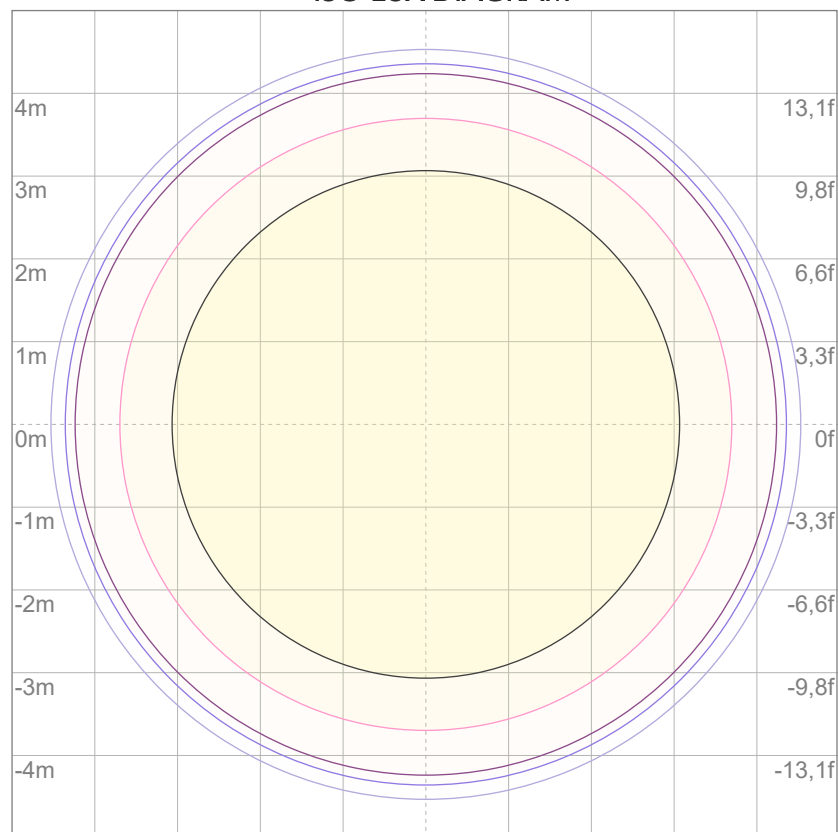
10%	27 cd
20%	54 cd
30%	81 cd
40%	108 cd
50%	135 cd
60%	162 cd
70%	189 cd
80%	216 cd

Conditions:

Number of c-planes: 2

Candela at center: 270 cd

ISO LUX DIAGRAM



3%	81,1m lx
5%	0,135 lx
10%	0,270 lx
30%	0,811 lx
50%	1,35 lx

Conditions:

Number of c-planes: 2

Lux at center: 2,70 lx

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



Total lumen output:

63,8 lm

Peak candela output:

135 cd

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 50° MFX100LGBW

Target:

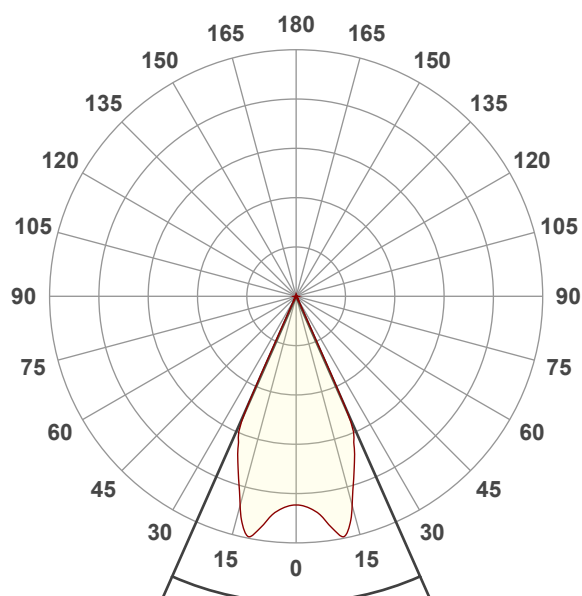
Blue

Operator:

Salvatore Giglio

Date and time:

29/08/2024 16:14:40

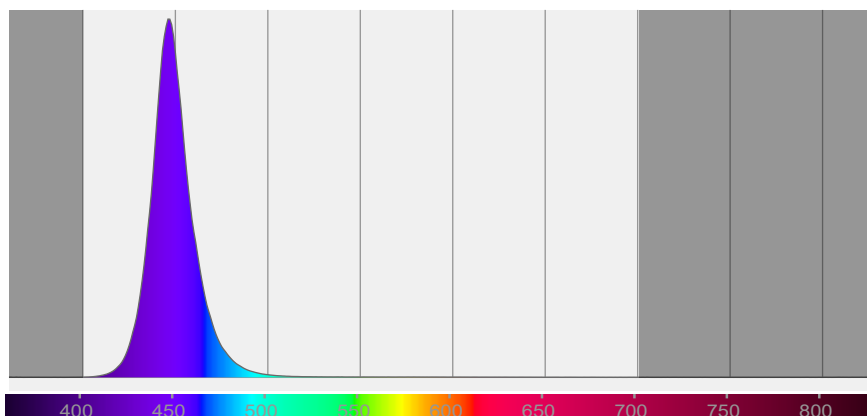


Beam angle 50%: 47,7°

Field angle 10%: 51,9°

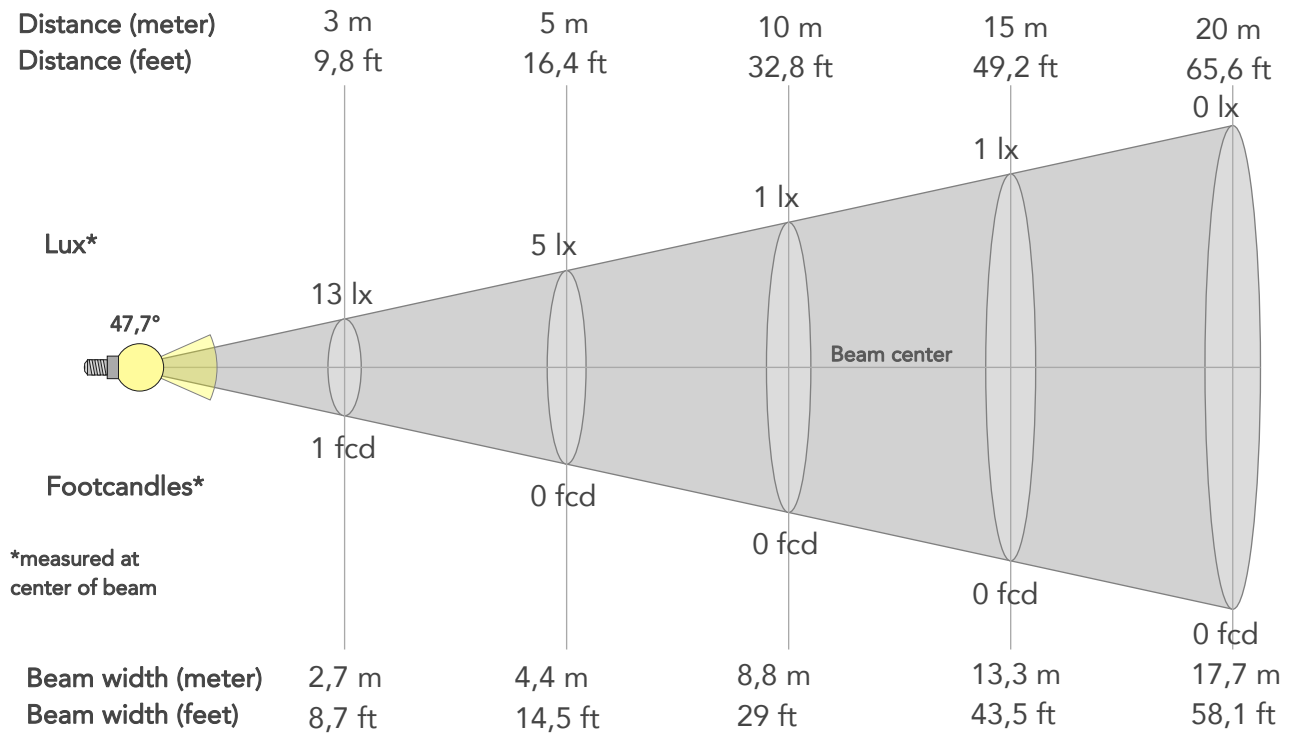
Cut off angle 2.5%: 54,9°

Spectra



BEAM DETAILS

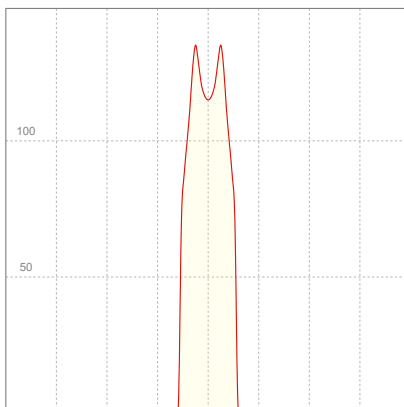
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
47,7°	51,9°	54,9°	98,4%	97,8%



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	115lx	29lx	13lx	7lx	5lx	2lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx
Footcand.	11fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,8m	2,7m	3,5m	4,4m	6,6m	8,8m	13,3m	17,7m	22,1m	26,5m	35,4m	44,2m
Beam wid.	2,9ft	5,8ft	8,7ft	11,6ft	14,5ft	21,8ft	29ft	43,5ft	58,1ft	72,6ft	87,1ft	116,1ft	145,1ft

LINEAR DISTRIBUTION DIAGRAM

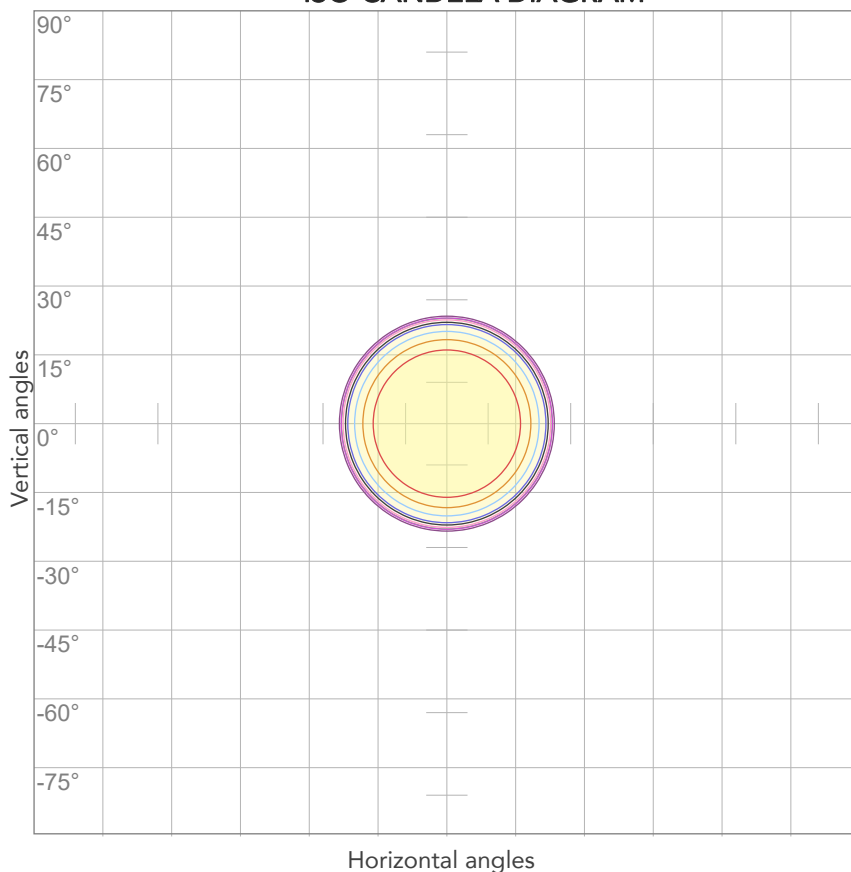


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,219A	39,6W	0,8	2lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



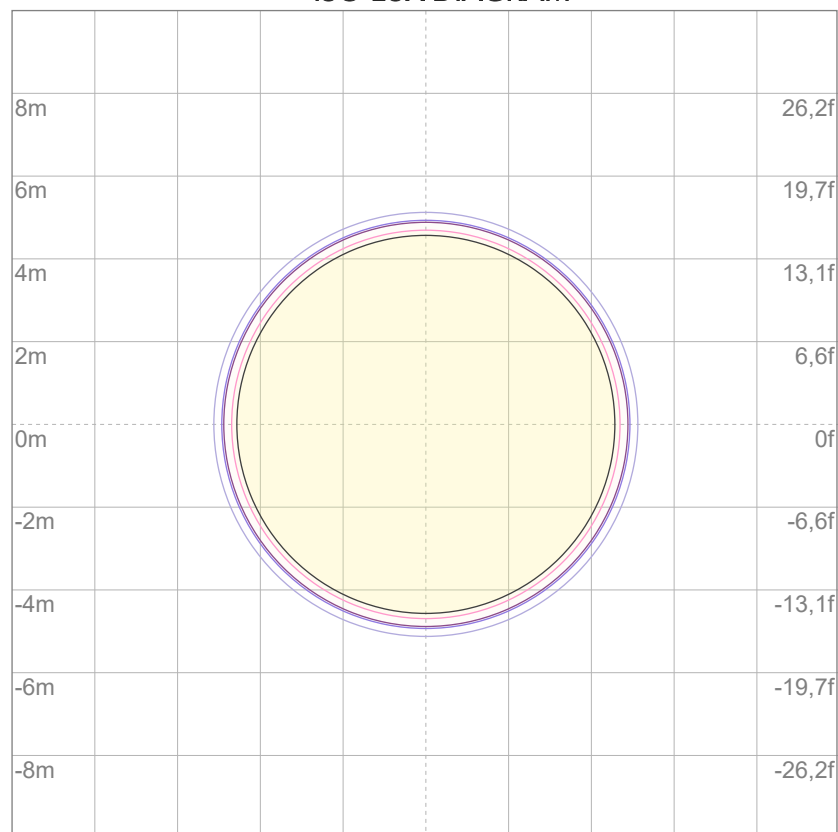
10%	12 cd
20%	23 cd
30%	35 cd
40%	46 cd
50%	58 cd
60%	69 cd
70%	81 cd
80%	92 cd

Conditions:

Number of c-planes: 2

Candela at center: 115 cd

ISO LUX DIAGRAM



3%	34,6m lx
5%	57,6m lx
10%	0,115 lx
30%	0,346 lx
50%	0,576 lx

Conditions:

Number of c-planes: 2

Lux at center: 1,15 lx

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



Total lumen output:

1094 lm

Peak candela output:

15022 cd

Light quality:

CRI: 70,5

Color temperature:

7349 K

PRODUCT NAME:

Mosaico FX100 FC

MEASUREMENT CONDITIONS:

Beam angle:

Optic 15° MFX100LWGN

Target:

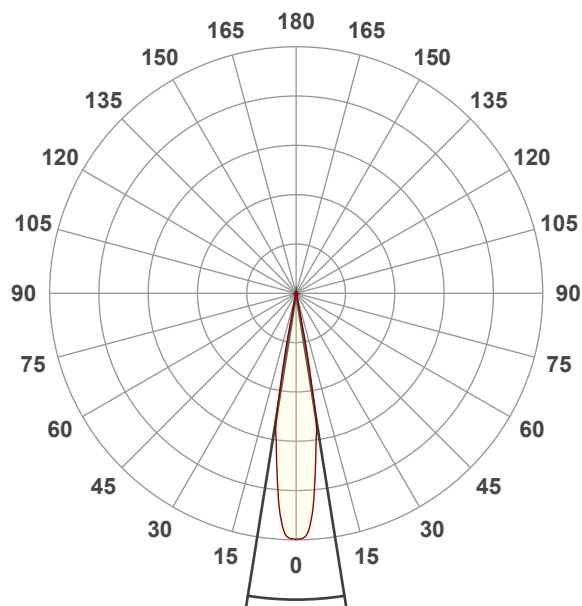
White

Operator:

Salvatore Giglio

Date and time:

30/08/2024 10:53:39

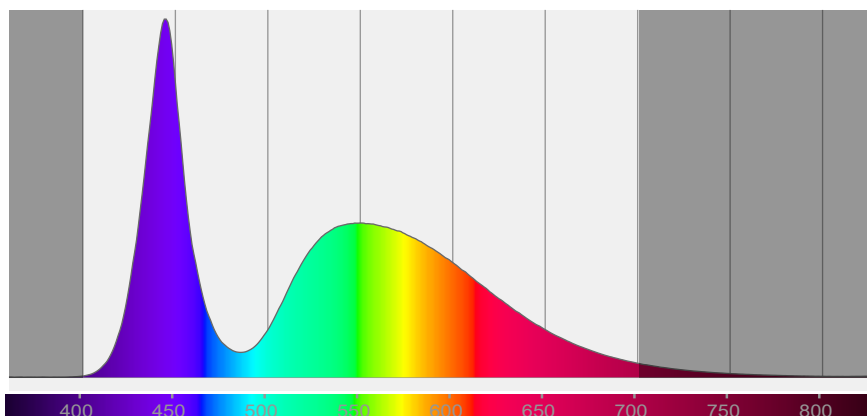


Beam angle 50%: 18,1°

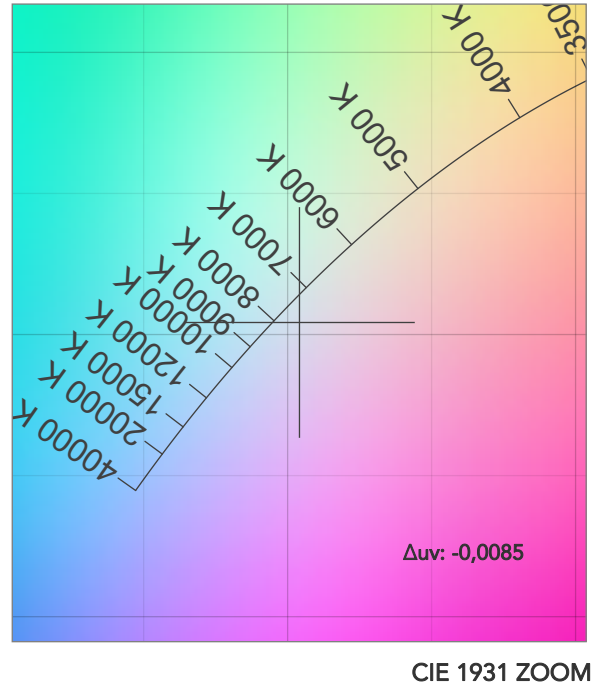
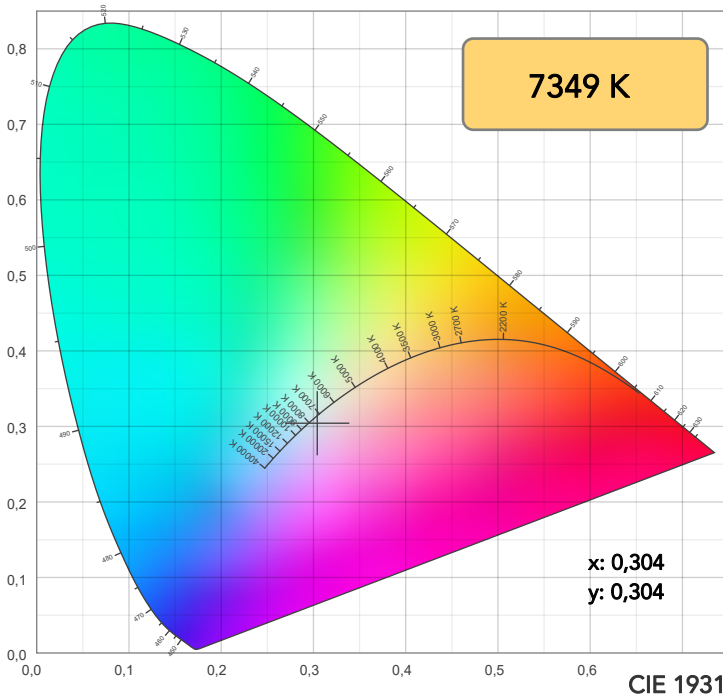
Field angle 10%: 22,9°

Cut off angle 2.5%: 23,9°

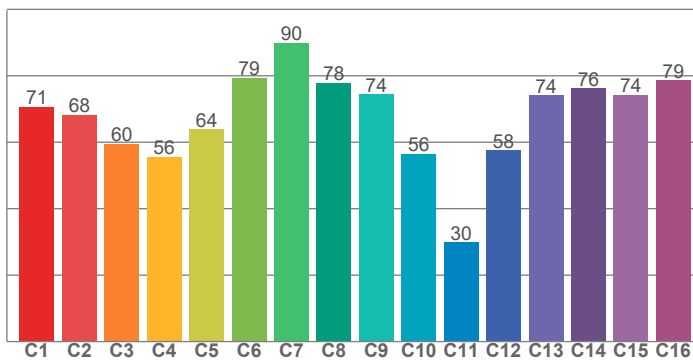
Spectra



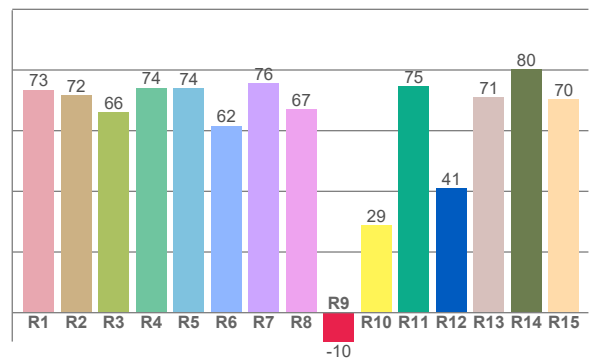
COLOR DETAILS



TM30: 67,3



CRI: 70,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
73,4	71,7	66,0	74,2	73,9	61,6	75,7	67,2	-9,5	28,8	74,7	41,1	71,1	80,3	70,3

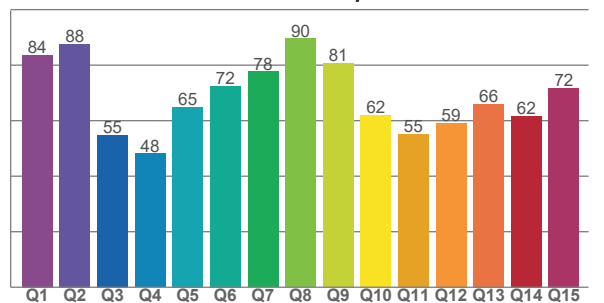
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
70,6	68,3	59,6	55,6	63,8	79,4	89,9	77,9	74,4	56,5	29,8	57,5	74,1	76,2	74,2	78,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83,6	87,6	54,9	48,1	64,9	72,4	77,7	89,5	80,7	62,0	55,3	59,2	66,0	61,6	71,8

CQS: 66,7



COLOR PARAMETERS

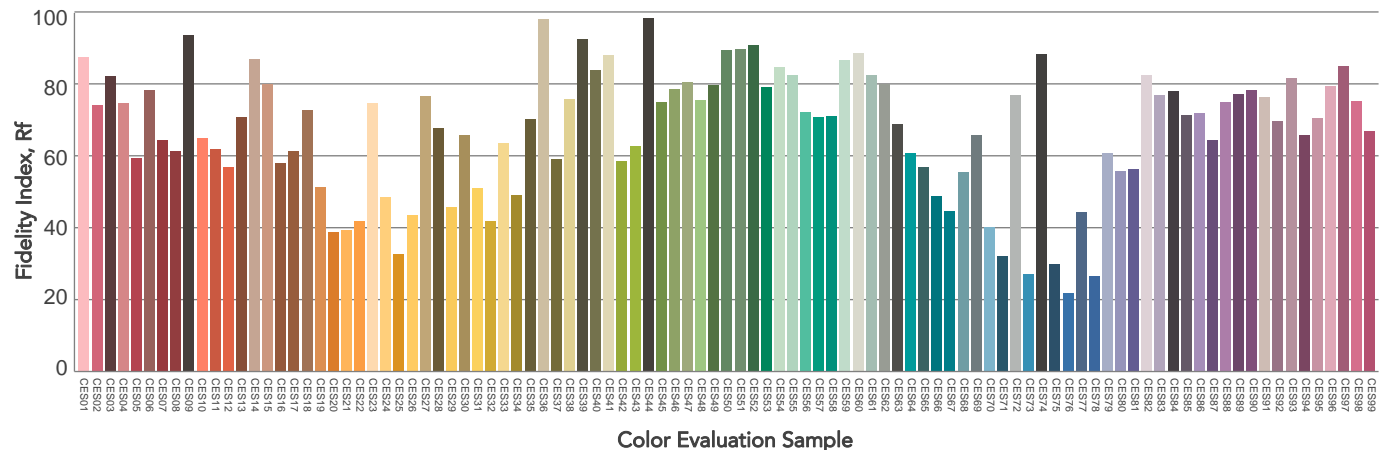
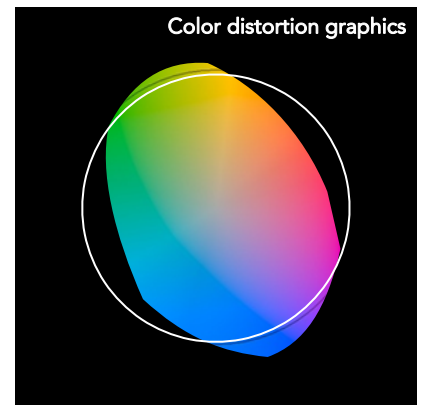
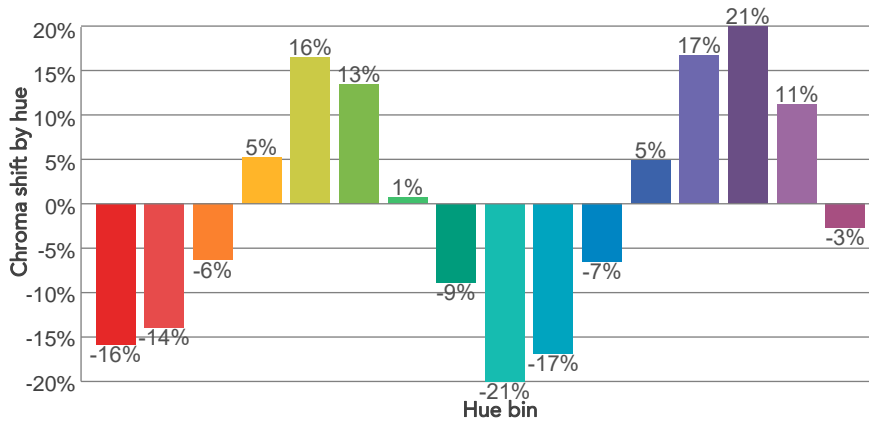
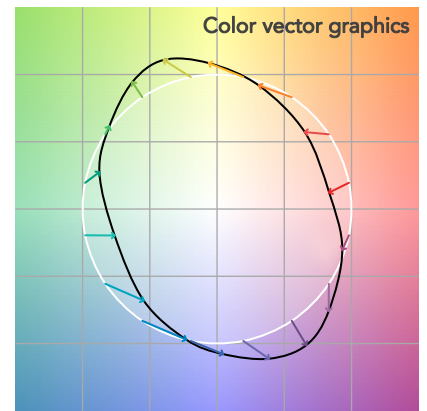
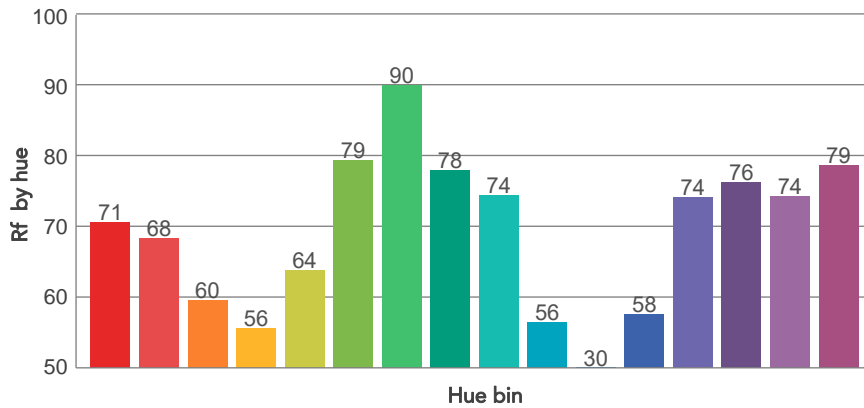
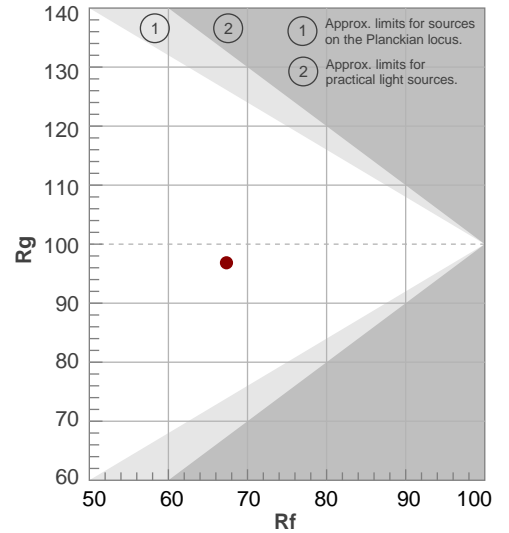
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
7349 K	70,5	-9,5	67,3	96,8	66,7	45	0,304	0,304	-0,0085

TM30 DETAILS

Rf 67,3
Fidelity index Rf

Rg 96,8
Gammut index

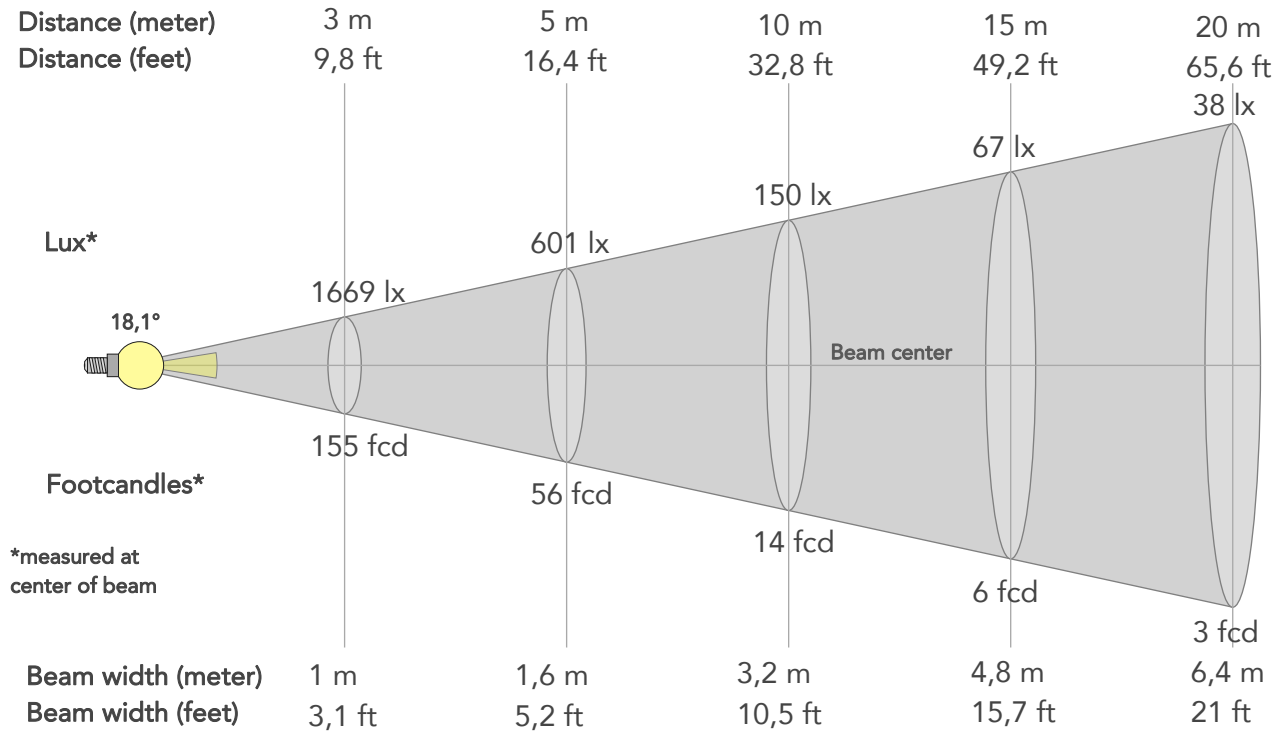
		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	71	-16%	-4%
2	68	-14%	11%
3	60	-6%	25%
4	56	5%	27%
5	64	16%	17%
6	79	13%	0%
7	90	1%	-7%
8	78	-9%	-10%
9	74	-21%	4%
10	56	-17%	26%
11	30	-7%	35%
12	58	5%	25%
13	74	17%	16%
14	76	21%	-1%
15	74	11%	-17%
16	79	-3%	-12%



BEAM DETAILS



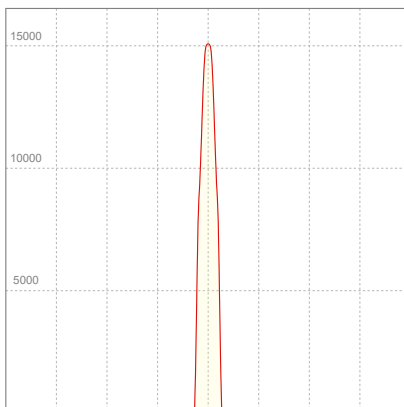
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,1°	22,9°	23,9°	99,1%	99,0%



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	15022lx	3756lx	1669lx	939lx	601lx	267lx	150lx	67lx	38lx	24lx	17lx	9lx	6lx
Footcand.	1396fcd	349fcd	155fcd	87fcd	56fcd	25fcd	14fcd	6fcd	3fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,3m	0,6m	1m	1,3m	1,6m	2,4m	3,2m	4,8m	6,4m	8m	9,6m	12,8m	16m
Beam wid.	1,1ft	2,1ft	3,1ft	4,2ft	5,2ft	7,9ft	10,5ft	15,7ft	21ft	26,2ft	31,4ft	41,9ft	52,4ft

LINEAR DISTRIBUTION DIAGRAM

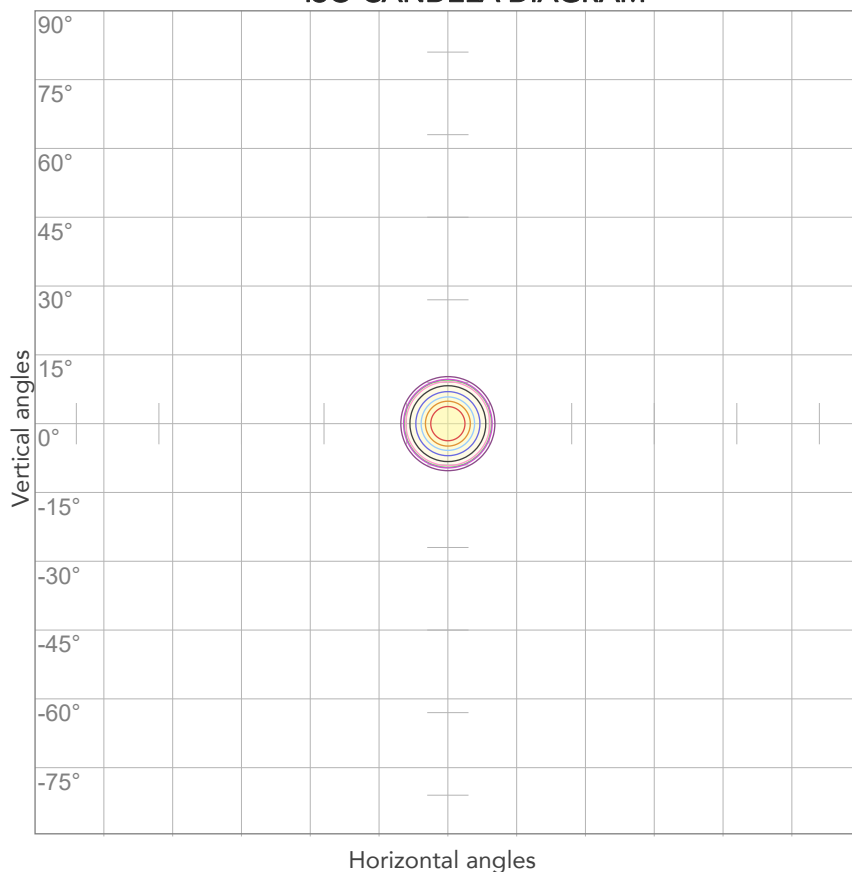


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,300A	59,7W	0,88	18lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



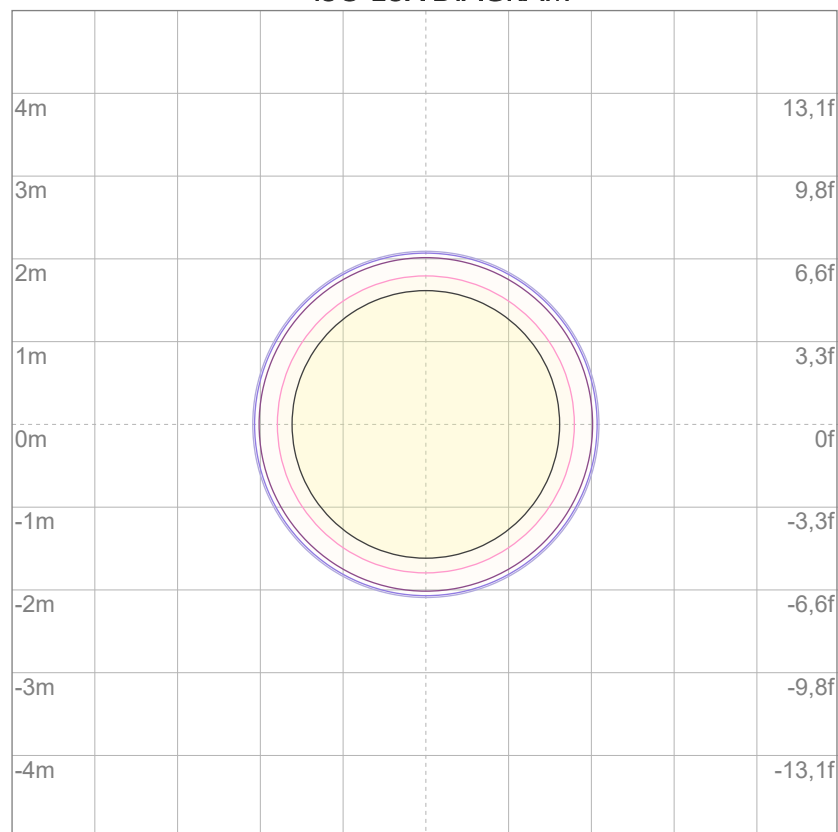
10%	1502 cd
20%	3004 cd
30%	4507 cd
40%	6009 cd
50%	7511 cd
60%	9013 cd
70%	10516 cd
80%	12018 cd

Conditions:

Number of c-planes: 2

Candela at center: 15022 cd

ISO LUX DIAGRAM



3%	4,51 lx
5%	7,51 lx
10%	15,0 lx
30%	45,1 lx
50%	75,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 150 lx

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



Total lumen output:

1060 lm

Peak candela output:

8350 cd

Light quality:

CRI: 70,6

Color temperature:

7287 K

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 30° MFX100LWTM

Target:

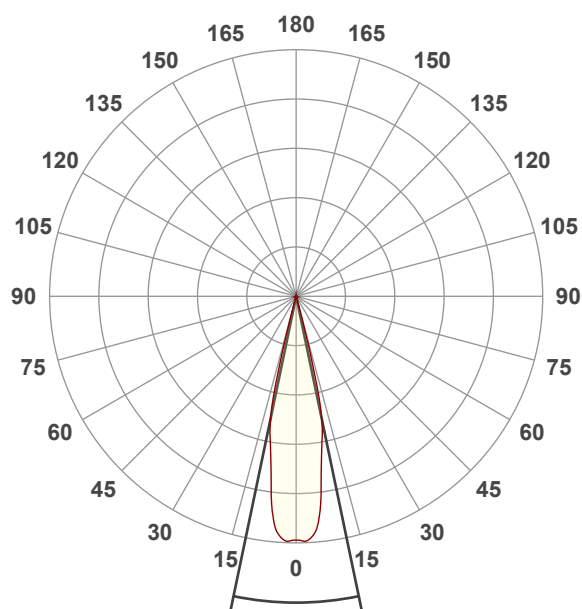
White

Operator:

Salvatore Giglio

Date and time:

30/08/2024 13:00:23

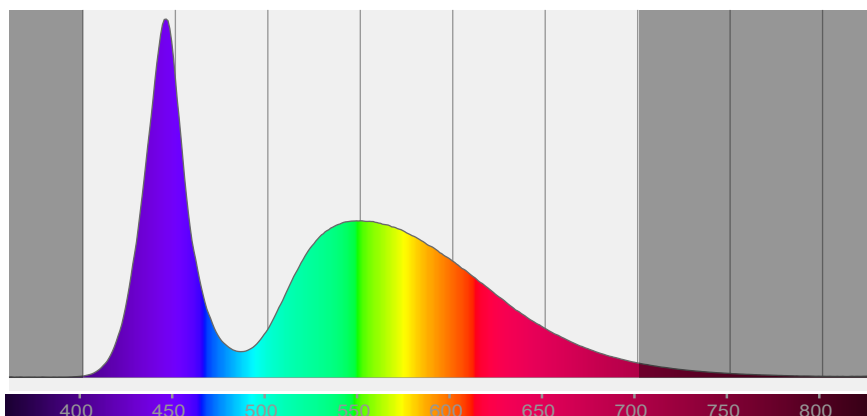


Beam angle 50%: 23,6°

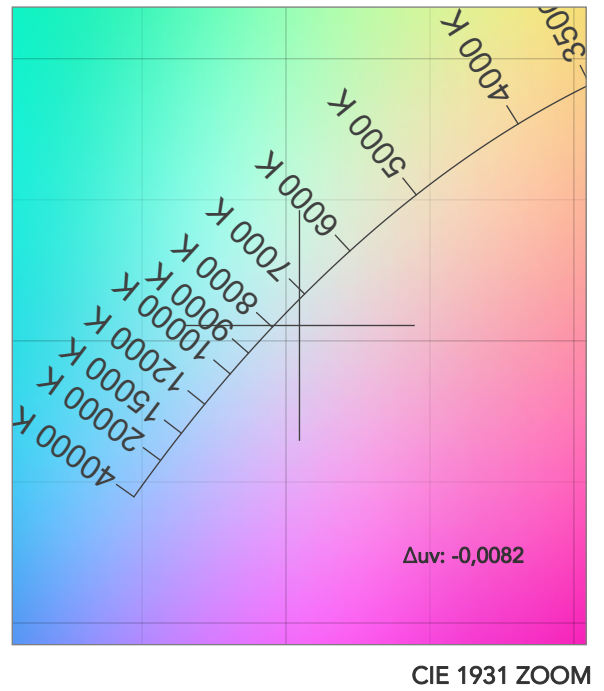
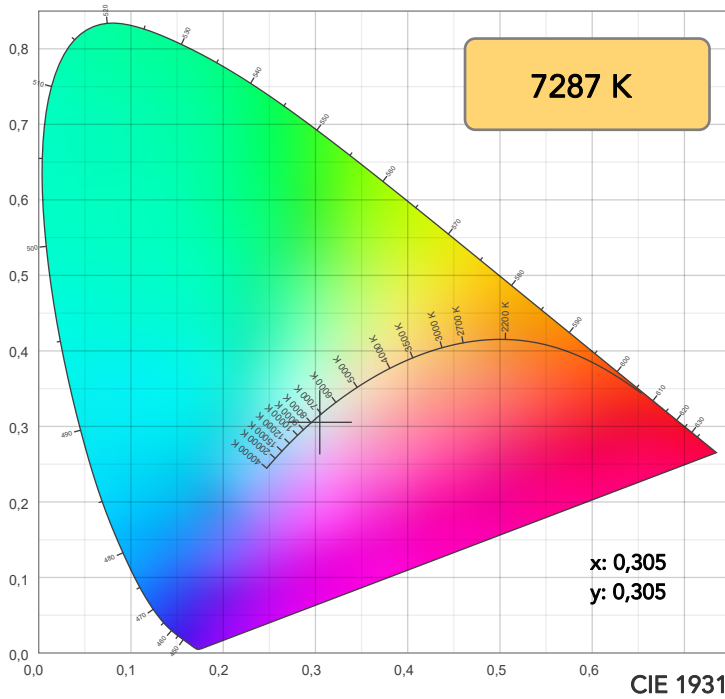
Field angle 10%: 30,1°

Cut off angle 2.5%: 31,3°

Spectra

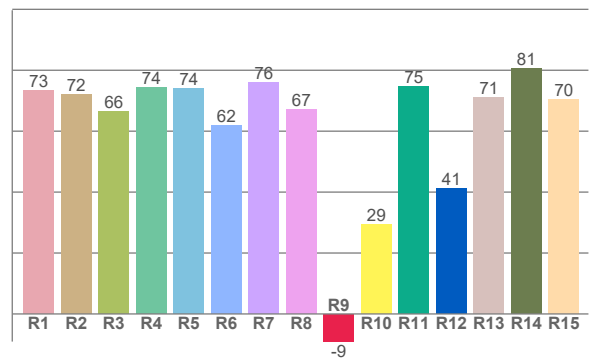
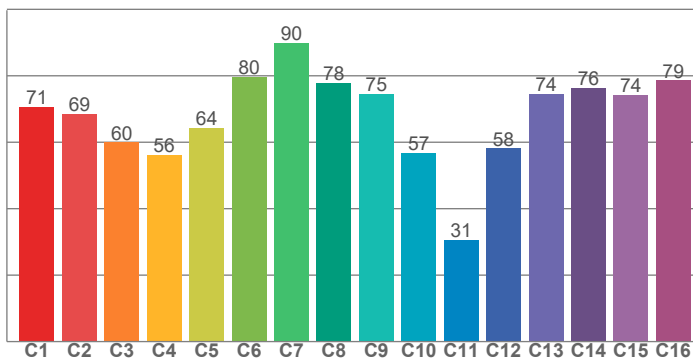


COLOR DETAILS



TM30: 67,7

CRI: 70,6 (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
73,5	71,9	66,4	74,3	73,9	61,8	76,0	67,3	-9,1	29,4	74,6	41,1	71,2	80,5	70,4

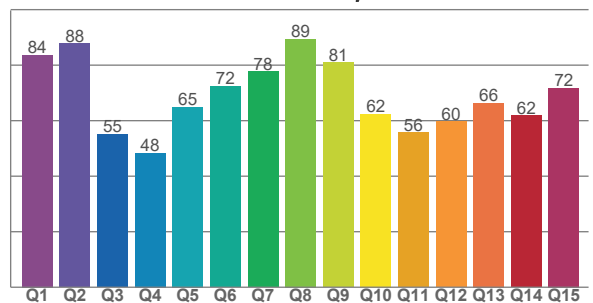
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
70,7	68,6	60,0	56,1	64,4	79,7	89,9	78,0	74,5	56,8	30,6	58,2	74,5	76,4	74,2	78,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83,6	87,8	55,1	48,4	65,0	72,4	77,6	89,4	81,0	62,4	55,7	59,6	66,4	61,9	71,9

CQS: 66,9



COLOR PARAMETERS

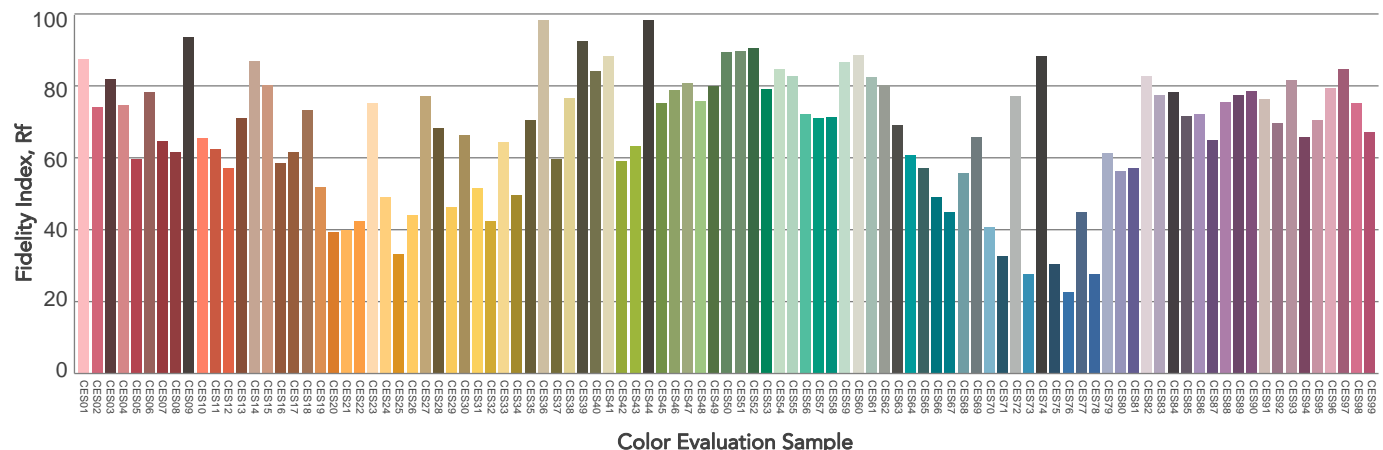
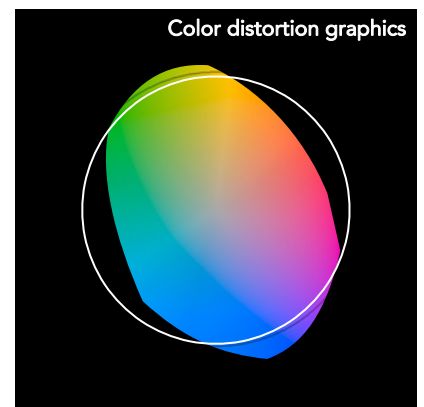
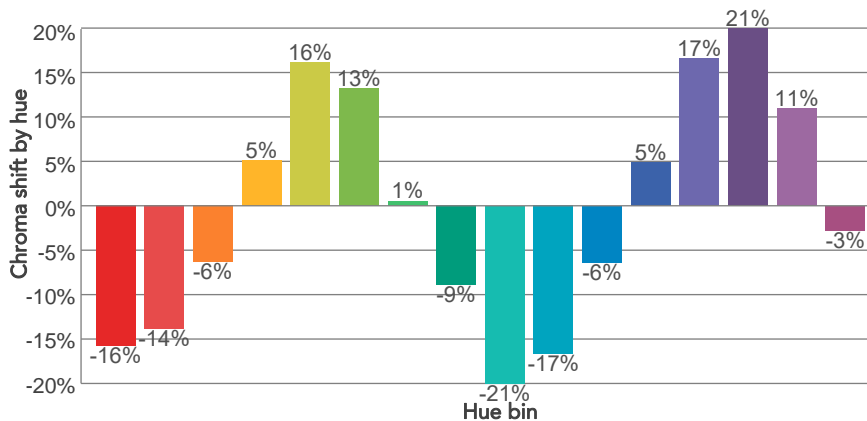
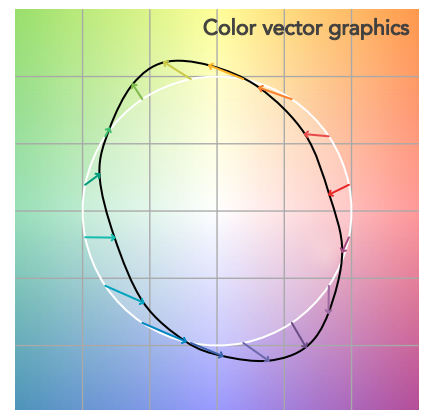
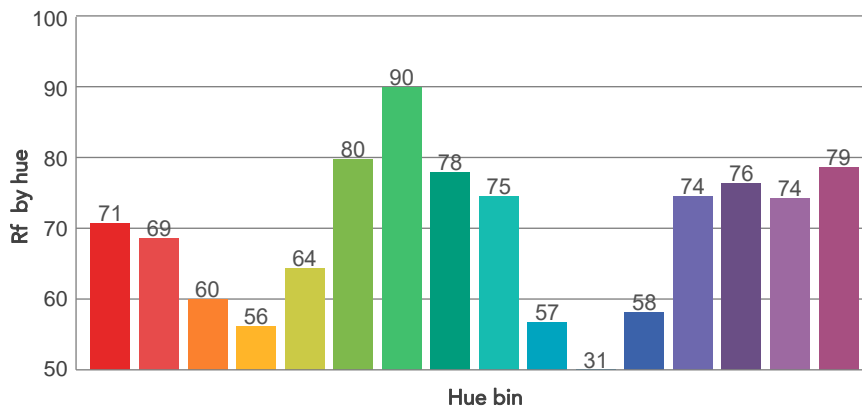
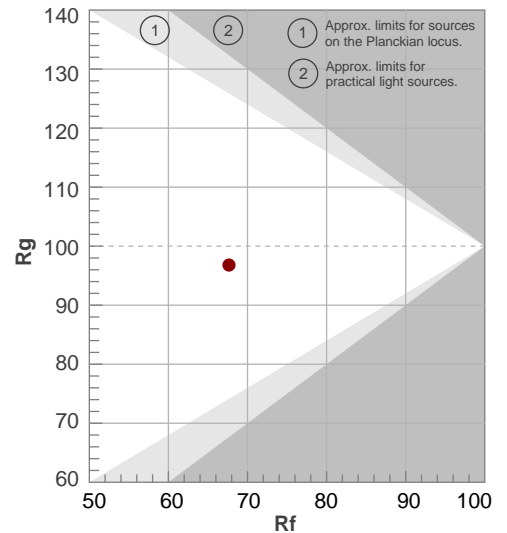
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
7287 K	70,6	-9,1	67,7	96,8	66,9	45	0,305	0,305	-0,0082

TM30 DETAILS

Rf 67,7
Fidelity index Rf

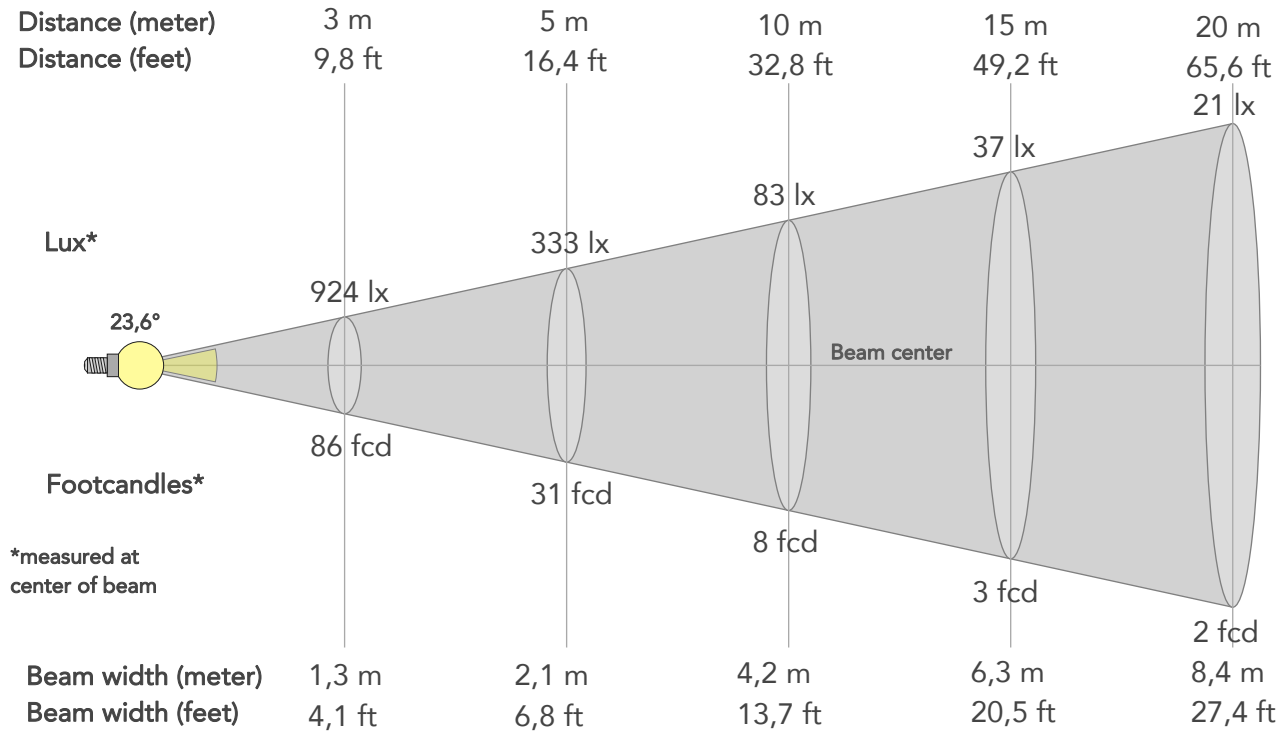
Rg 96,8
Gammut index

		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	71	-16%	-4%
2	69	-14%	11%
3	60	-6%	25%
4	56	5%	27%
5	64	16%	17%
6	80	13%	0%
7	90	1%	-7%
8	78	-9%	-10%
9	75	-21%	5%
10	57	-17%	26%
11	31	-6%	34%
12	58	5%	25%
13	74	17%	16%
14	76	21%	-1%
15	74	11%	-17%
16	79	-3%	-12%



BEAM DETAILS

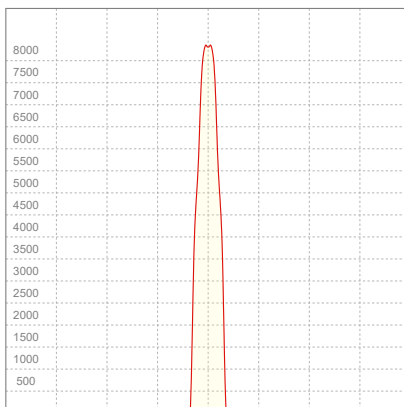
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,6°	30,1°	31,3°	99,6%	99,4%



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	8313lx	2078lx	924lx	520lx	333lx	148lx	83lx	37lx	21lx	13lx	9lx	5lx	3lx
Footcand.	772fcd	193fcd	86fcd	48fcd	31fcd	14fcd	8fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,3m	1,7m	2,1m	3,1m	4,2m	6,3m	8,4m	10,4m	12,5m	16,7m	20,9m
Beam wid.	1,4ft	2,8ft	4,1ft	5,5ft	6,8ft	10,3ft	13,7ft	20,5ft	27,4ft	34,2ft	41,1ft	54,8ft	68,5ft

LINEAR DISTRIBUTION DIAGRAM

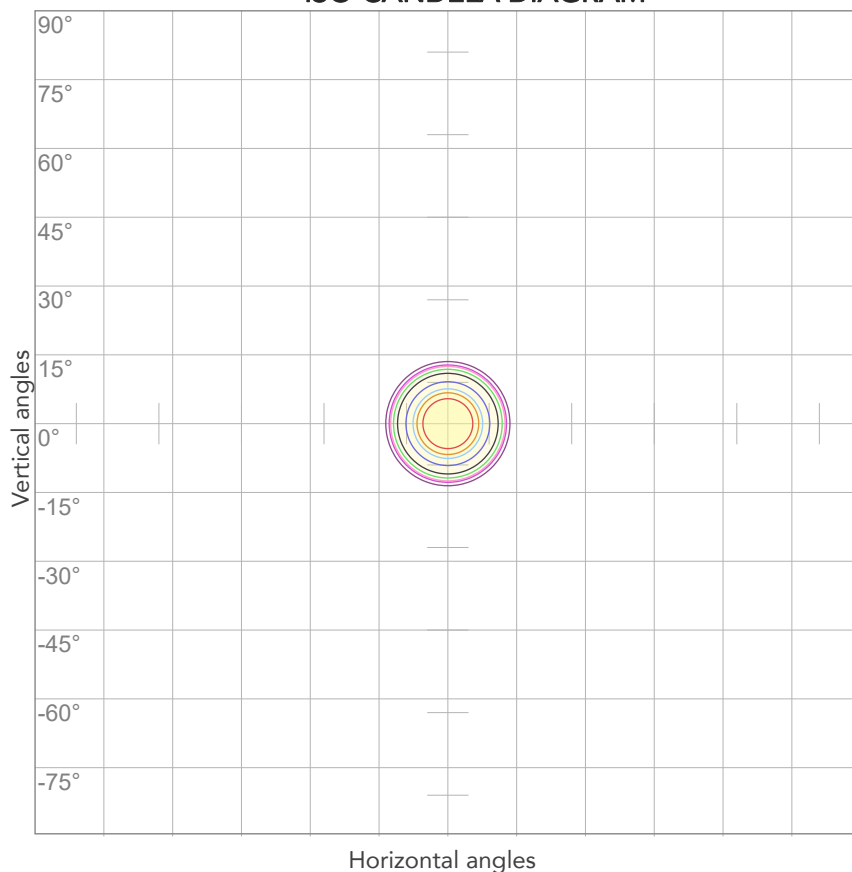


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,265A	59,4W	0,88	18lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



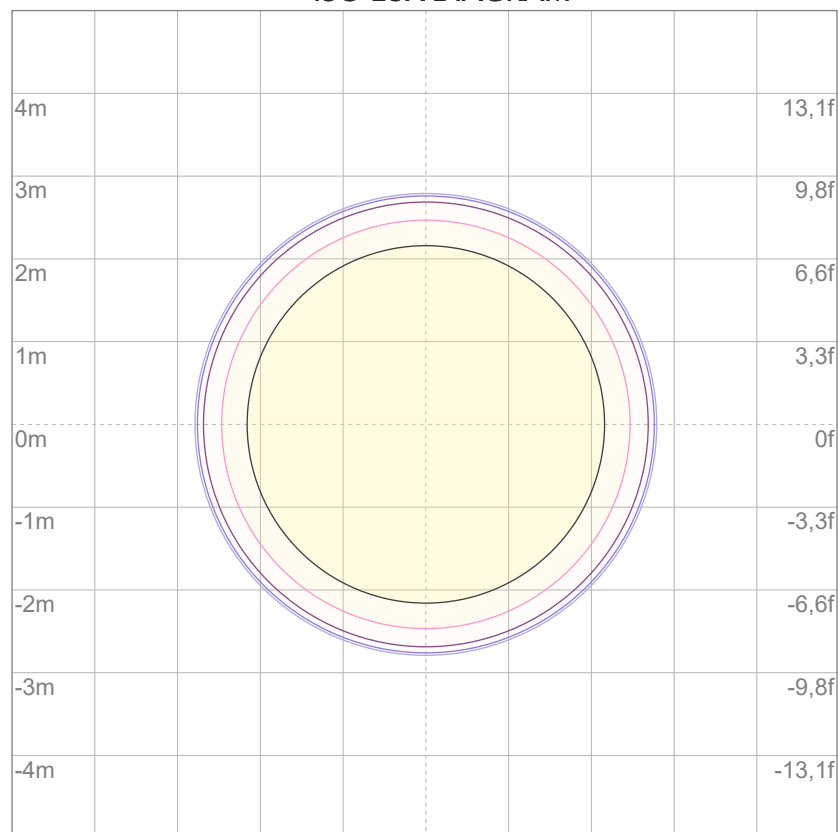
10%	831 cd
20%	1663 cd
30%	2494 cd
40%	3325 cd
50%	4156 cd
60%	4988 cd
70%	5819 cd
80%	6650 cd

Conditions:

Number of c-planes: 2

Candela at center: 8313 cd

ISO LUX DIAGRAM



3%	2,49 lx
5%	4,16 lx
10%	8,31 lx
30%	24,9 lx
50%	41,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 83,1 lx

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



Total lumen output:

1141 lm

Peak candela output:

3488 cd

Light quality:

CRI: 70,5

Color temperature:

7214 K

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 50° MFX100LWTM

Target:

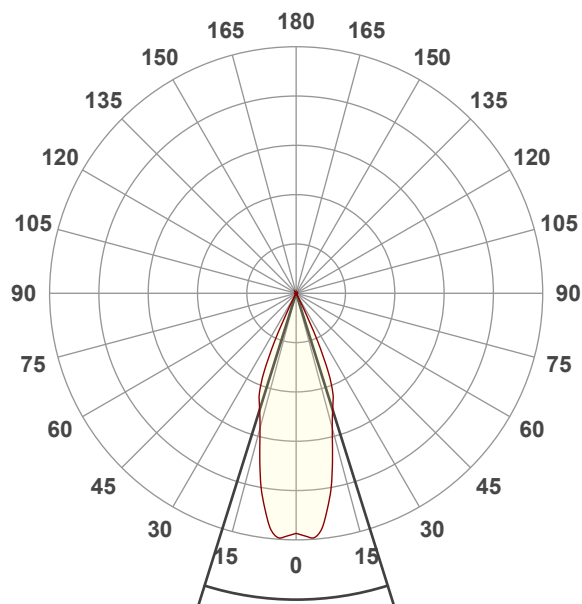
White

Operator:

Salvatore Giglio

Date and time:

29/08/2024 12:57:23

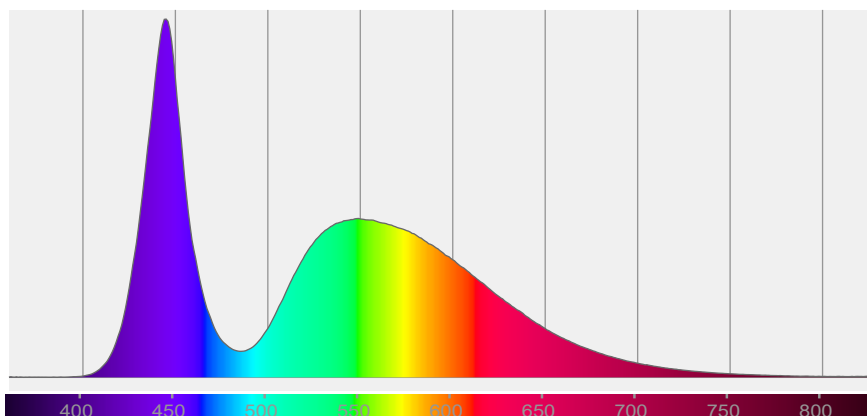


Beam angle 50%: 34,8°

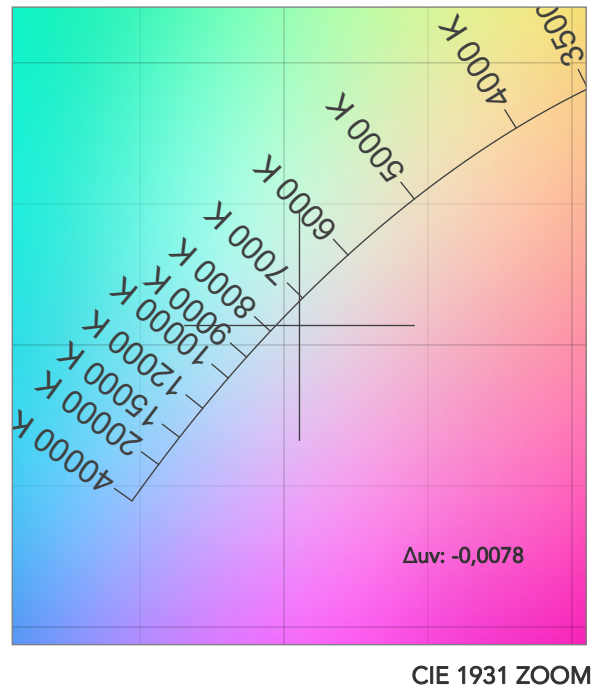
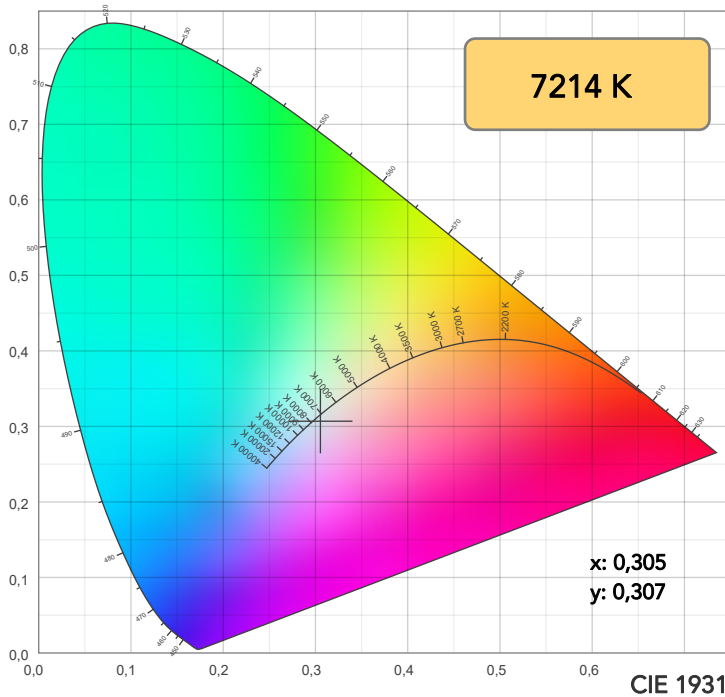
Field angle 10%: 51,5°

Cut off angle 2.5%: 55°

Spectra

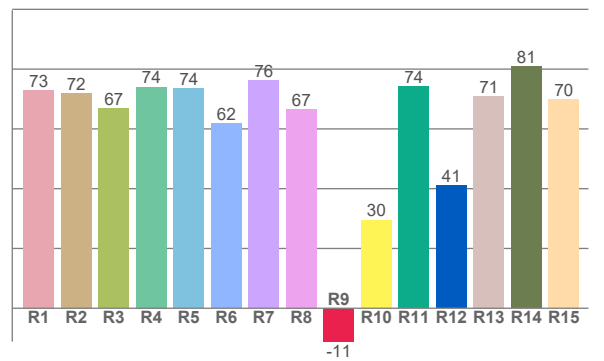
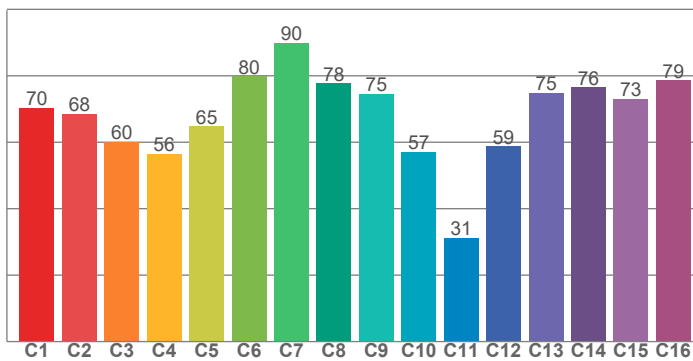


COLOR DETAILS



TM30: 67,8

CRI: 70,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
73,0	72,0	66,9	74,1	73,5	61,9	76,1	66,7	-11,2	29,6	74,2	41,1	70,9	80,8	69,8

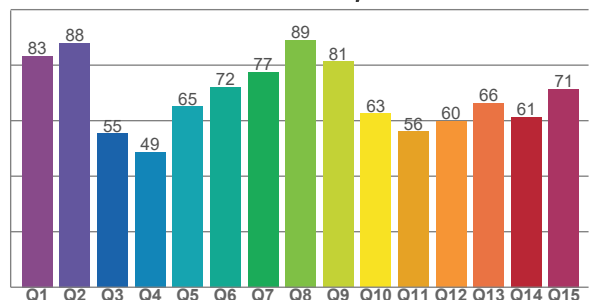
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
70,3	68,5	60,1	56,5	64,7	79,8	89,8	77,7	74,5	57,0	31,2	58,8	74,9	76,5	73,0	78,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83,3	88,0	55,3	48,7	65,0	72,2	77,4	89,1	81,3	62,6	56,0	59,8	66,4	61,3	71,3

CQS: 66,9



COLOR PARAMETERS

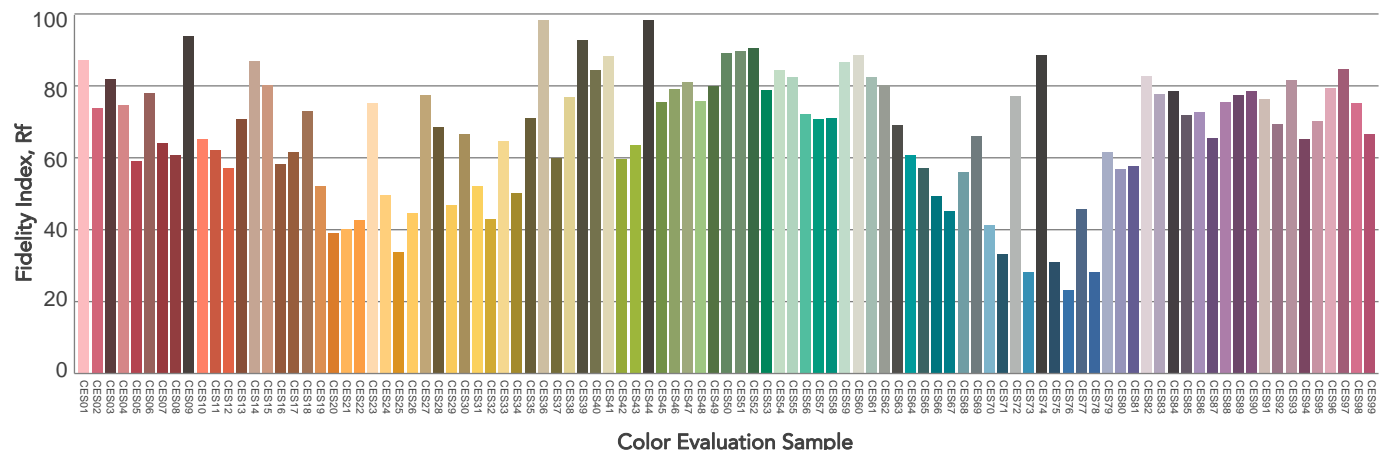
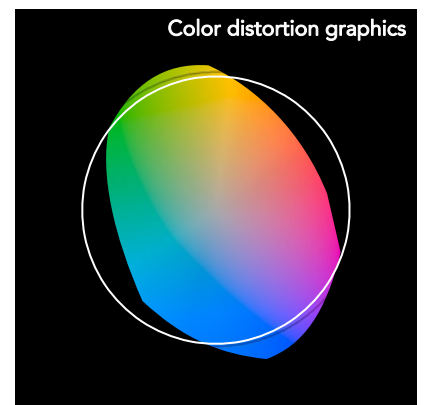
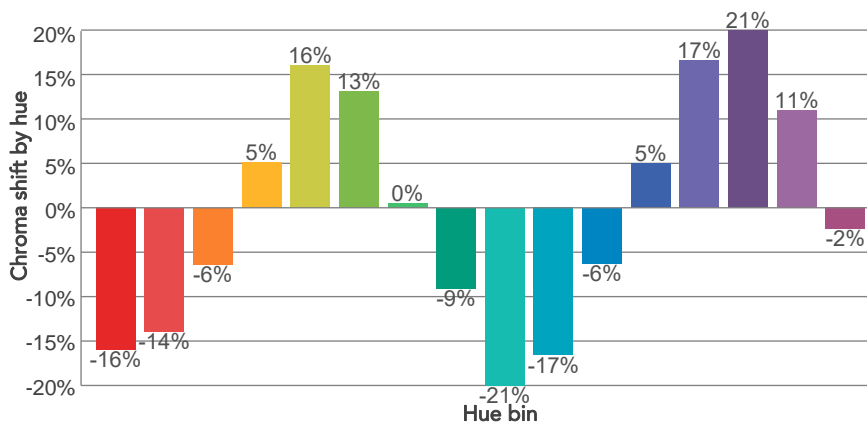
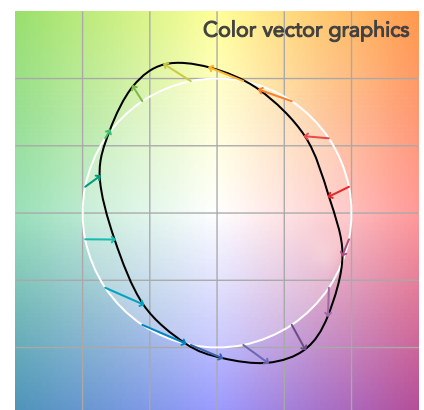
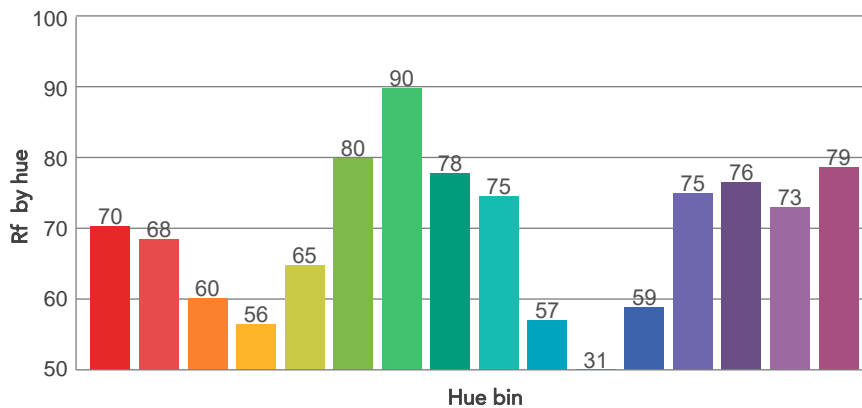
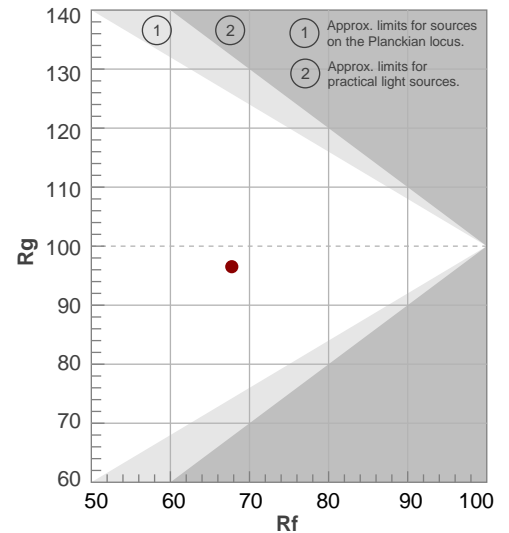
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
7214 K	70,5	-11,2	67,8	96,5	66,9	45	0,305	0,307	-0,0078

TM30 DETAILS

Rf 67,8
Fidelity index Rf

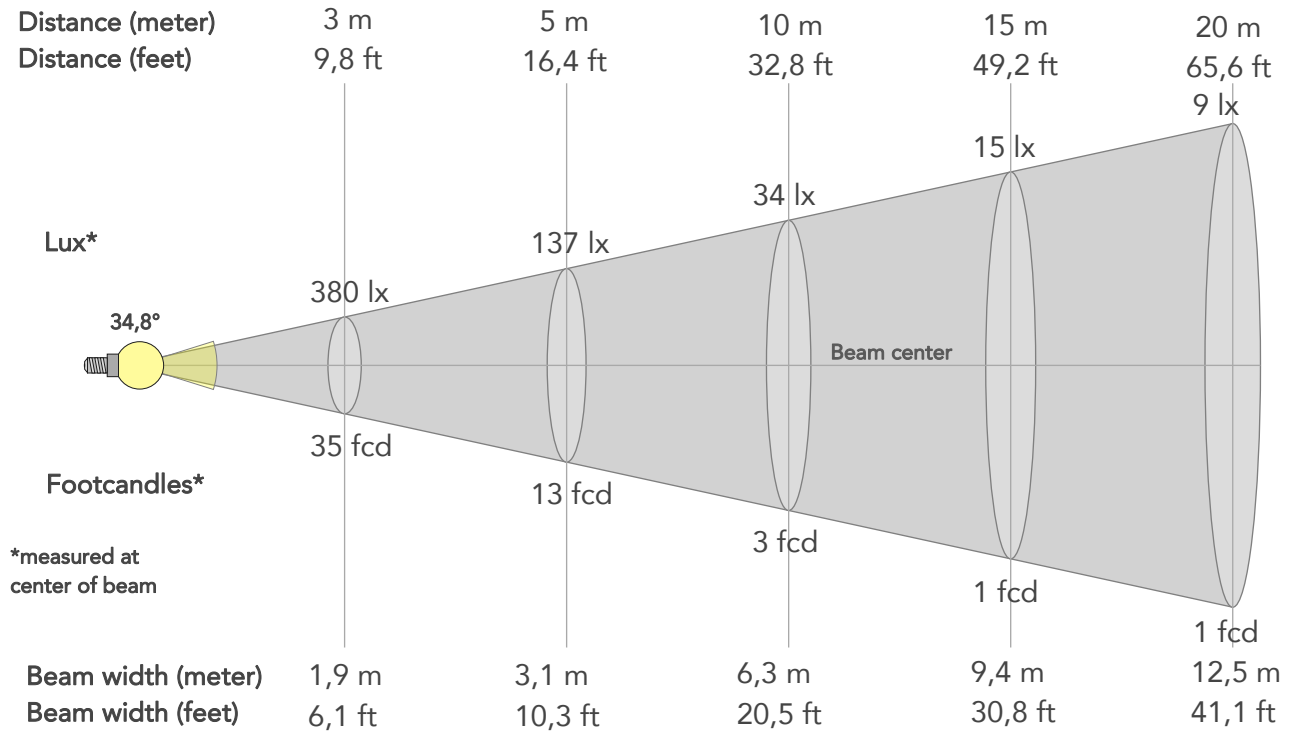
Rg 96,5
Gammut index

		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	70	-16%	-4%
2	68	-14%	11%
3	60	-6%	25%
4	56	5%	27%
5	65	16%	17%
6	80	13%	0%
7	90	0%	-7%
8	78	-9%	-10%
9	75	-21%	4%
10	57	-17%	26%
11	31	-6%	34%
12	59	5%	25%
13	75	17%	15%
14	76	21%	-2%
15	73	11%	-18%
16	79	-2%	-13%



BEAM DETAILS

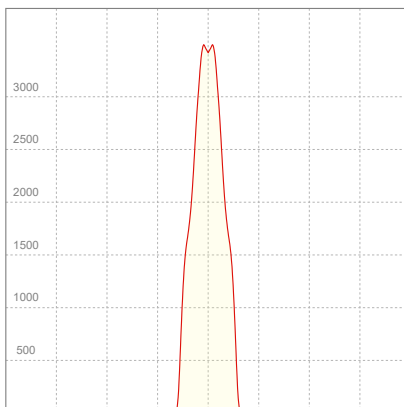
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34,8°	51,5°	55°	99,6%	99,5%



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	3421lx	855lx	380lx	214lx	137lx	61lx	34lx	15lx	9lx	5lx	4lx	2lx	1lx
Footcand.	318fcd	79fcd	35fcd	20fcd	13fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,3m	1,9m	2,5m	3,1m	4,7m	6,3m	9,4m	12,5m	15,7m	18,8m	25,1m	31,3m
Beam wid.	2,1ft	4,1ft	6,1ft	8,2ft	10,3ft	15,4ft	20,5ft	30,8ft	41,1ft	51,4ft	61,6ft	82,2ft	102,7ft

LINEAR DISTRIBUTION DIAGRAM

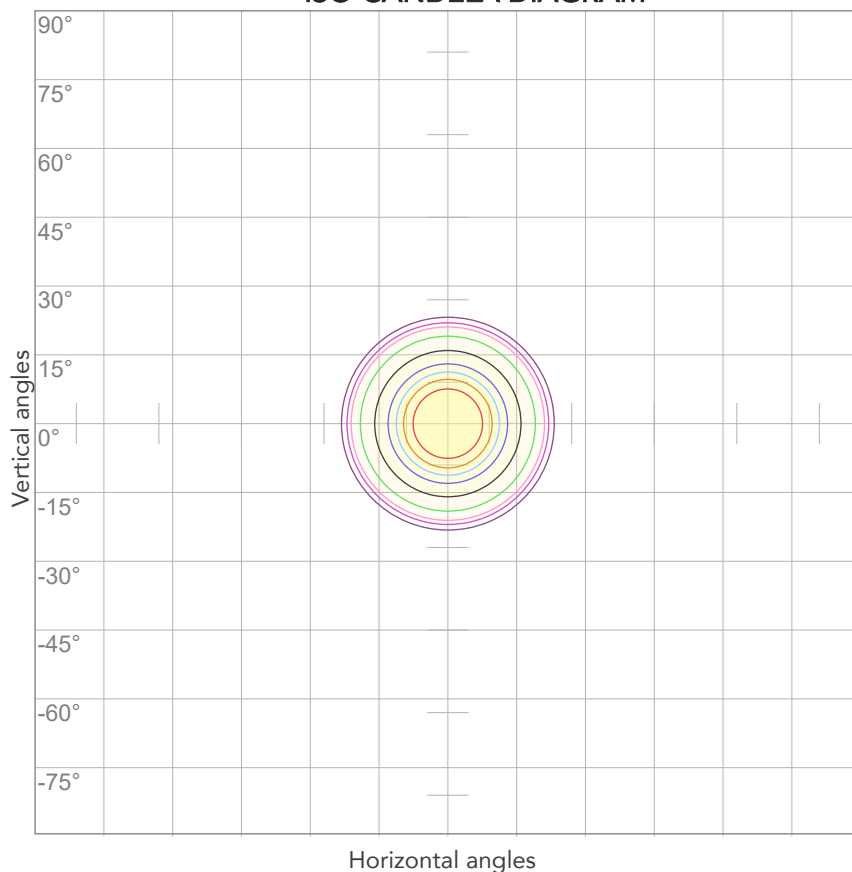


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,291A	57,8W	0,88	20lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



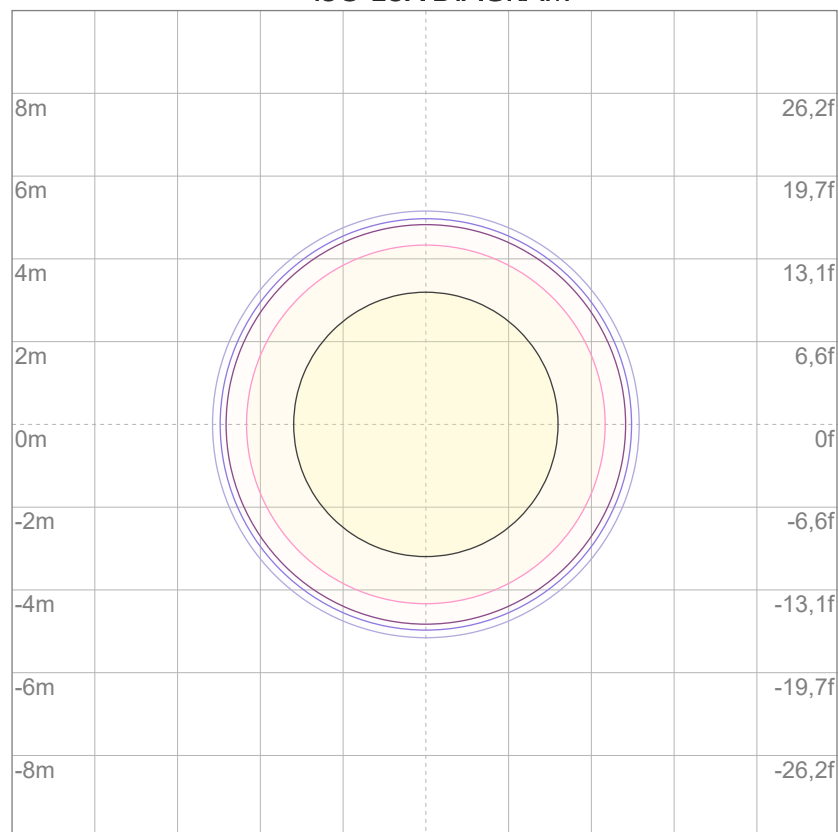
10%	342 cd
20%	684 cd
30%	1026 cd
40%	1368 cd
50%	1711 cd
60%	2053 cd
70%	2395 cd
80%	2737 cd

Conditions:

Number of c-planes: 2

Candela at center: 3421 cd

ISO LUX DIAGRAM



3%	1,03 lx
5%	1,71 lx
10%	3,42 lx
30%	10,3 lx
50%	17,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 34,2 lx

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



Total lumen output:

786 lm

Peak candela output:

1659 cd

Light quality:

CRI: 70,6

Color temperature:

7160 K

PRODUCT NAME:

Mosaico FX100 FC

MEASUREMENT CONDITIONS:

Beam angle:

Optic 70° MFX100LWGVW

Target:

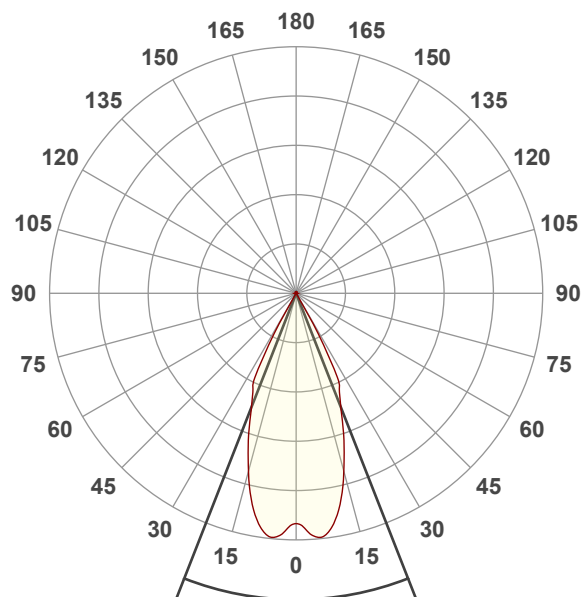
White

Operator:

Salvatore Giglio

Date and time:

29/08/2024 16:41:09

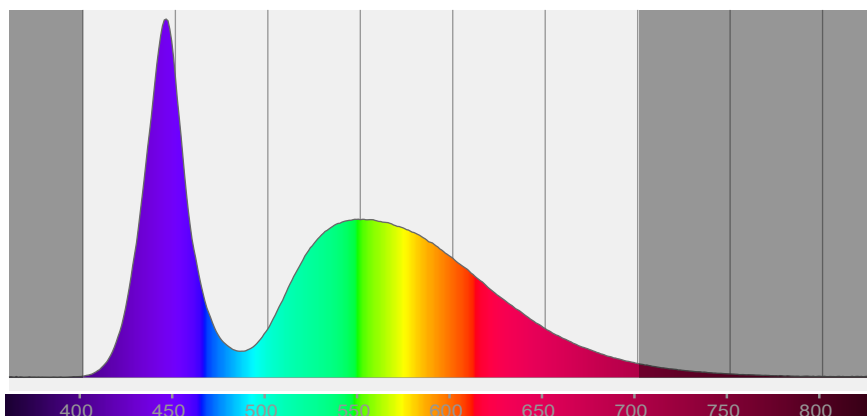


Beam angle 50%: 42,9°

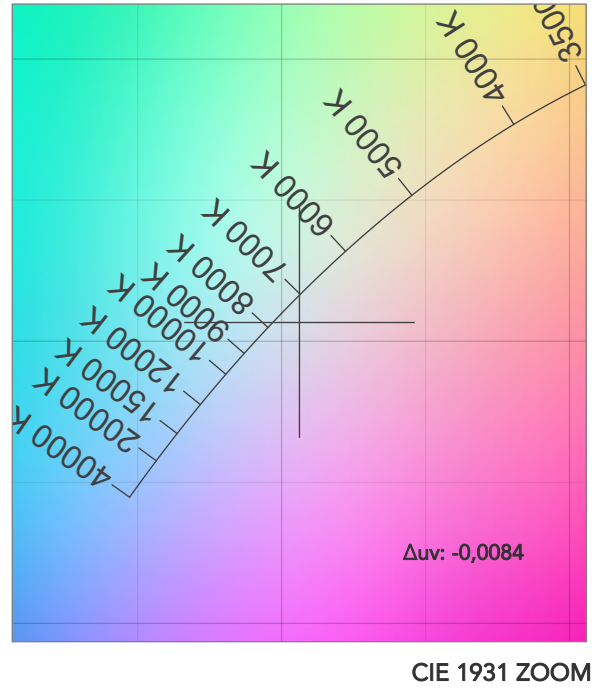
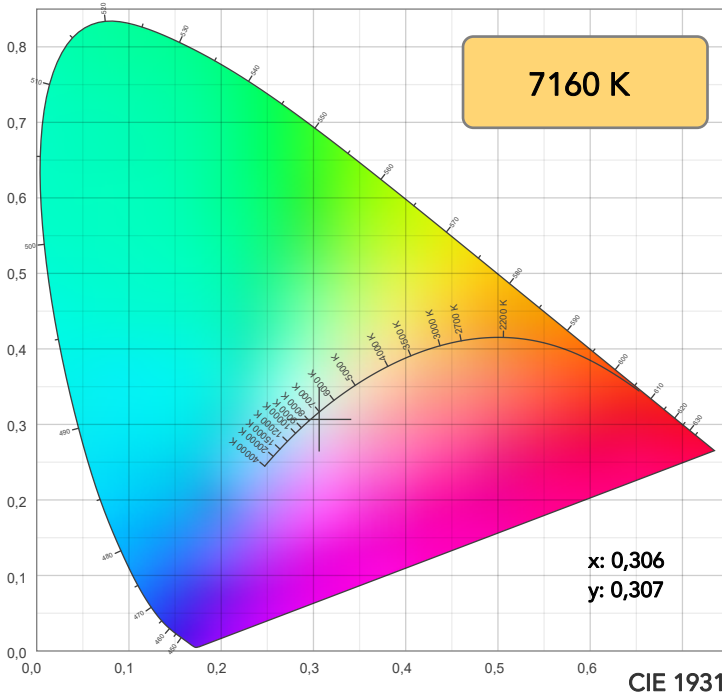
Field angle 10%: 59,7°

Cut off angle 2.5%: 61,8°

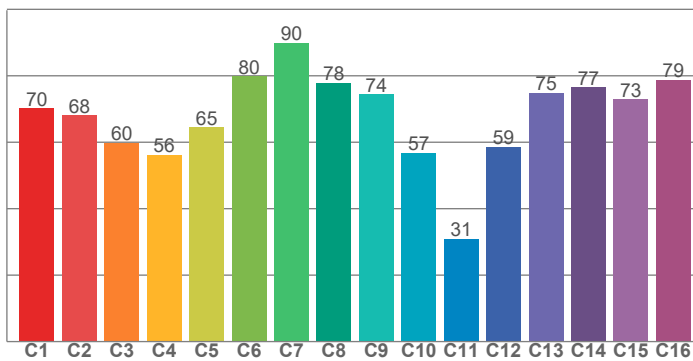
Spectra



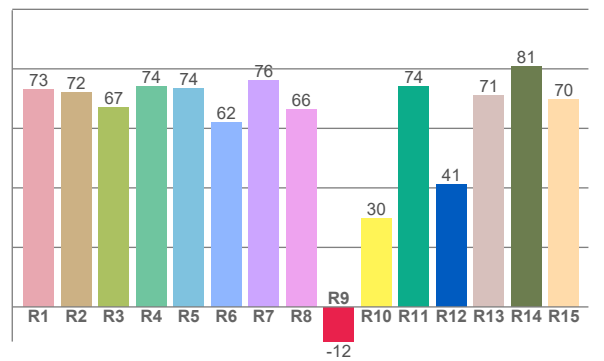
COLOR DETAILS



TM30: 67,6



CRI: 70,6 (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
73,1	72,1	67,1	74,2	73,6	61,9	76,2	66,5	-11,7	29,9	74,2	41,2	71,0	80,9	69,8

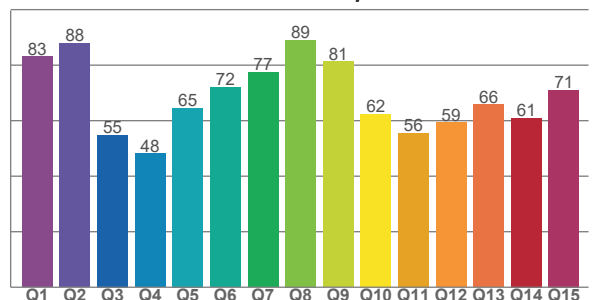
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
70,1	68,1	59,7	56,2	64,5	79,9	89,9	77,9	74,4	56,7	30,9	58,7	74,8	76,5	72,9	78,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83,1	87,9	54,9	48,1	64,6	72,0	77,4	89,1	81,3	62,4	55,6	59,2	65,8	61,0	71,1

CQS: 66,6



COLOR PARAMETERS

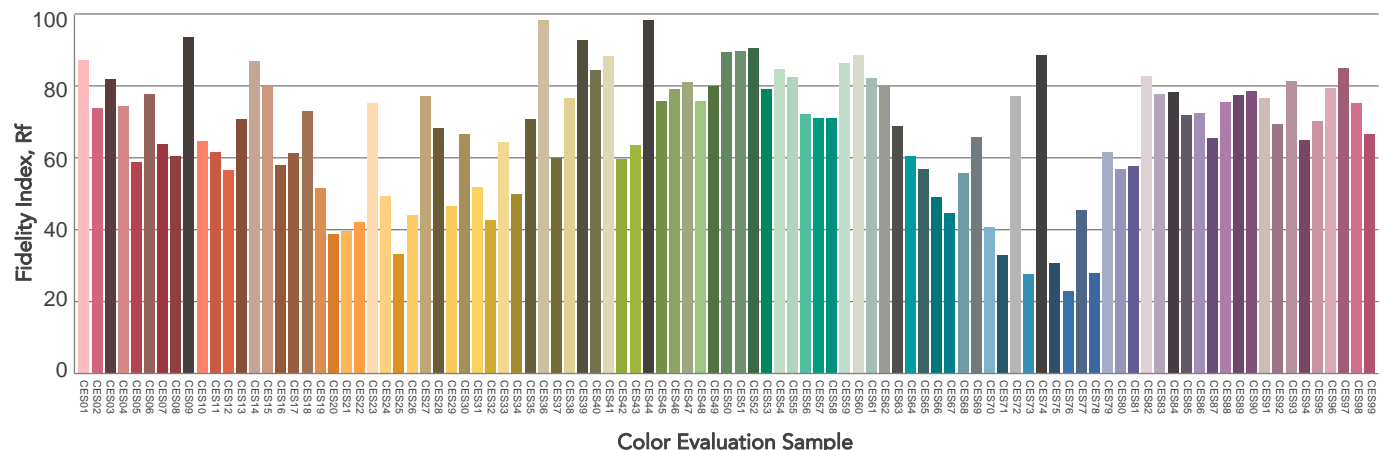
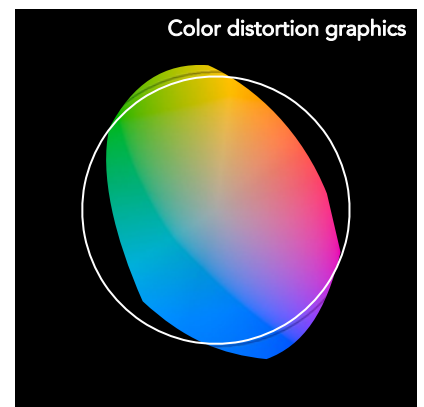
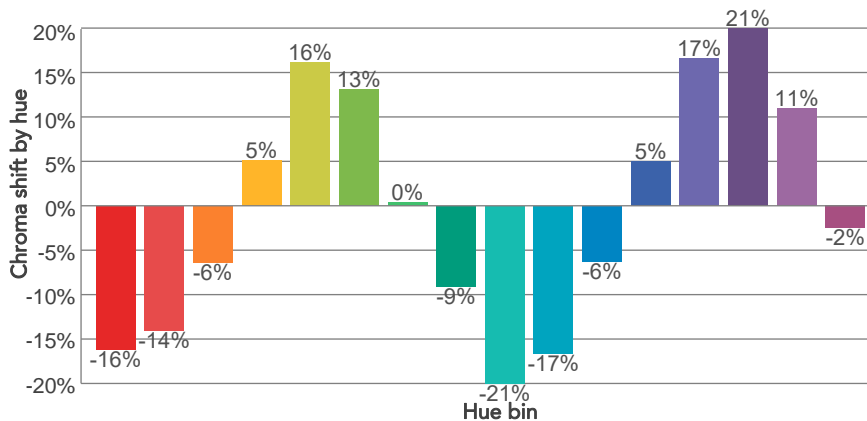
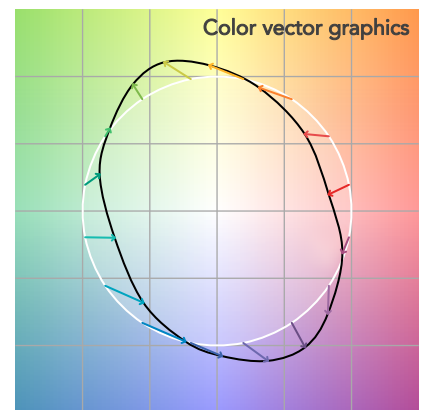
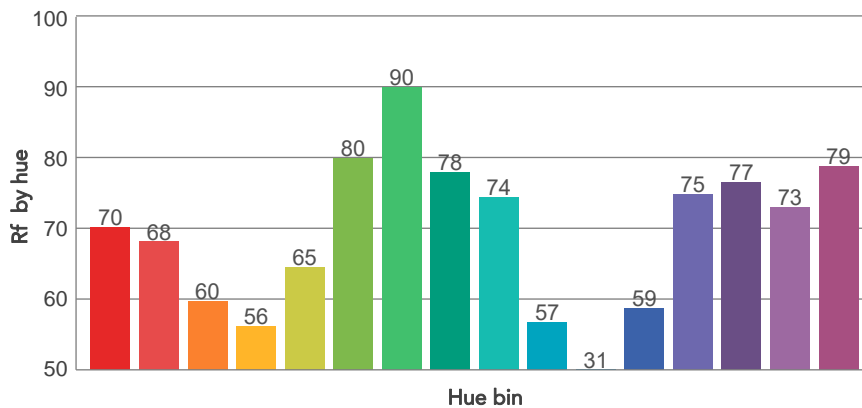
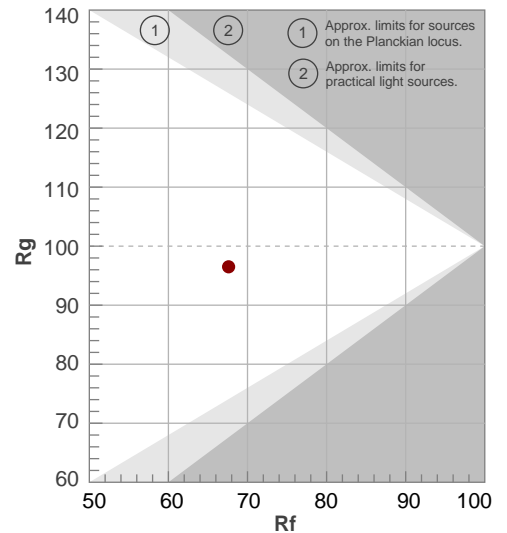
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
7160 K	70,6	-11,7	67,6	96,5	66,6	45	0,306	0,307	-0,0084

TM30 DETAILS

Rf 67,6
Fidelity index Rf

Rg 96,5
Gammut index

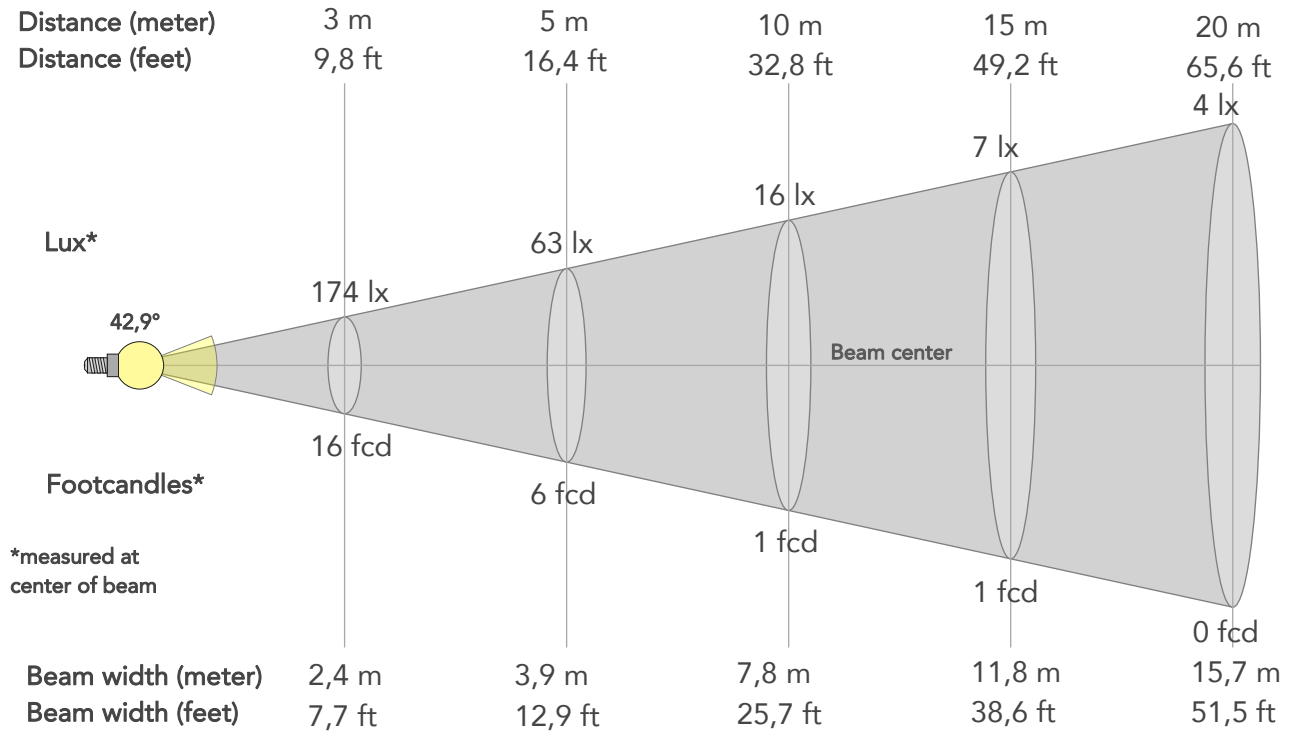
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	70	-16%	-4%
2	68	-14%	11%
3	60	-6%	25%
4	56	5%	27%
5	65	16%	17%
6	80	13%	0%
7	90	0%	-7%
8	78	-9%	-10%
9	74	-21%	5%
10	57	-17%	26%
11	31	-6%	34%
12	59	5%	25%
13	75	17%	15%
14	77	21%	-2%
15	73	11%	-18%
16	79	-2%	-13%



BEAM DETAILS



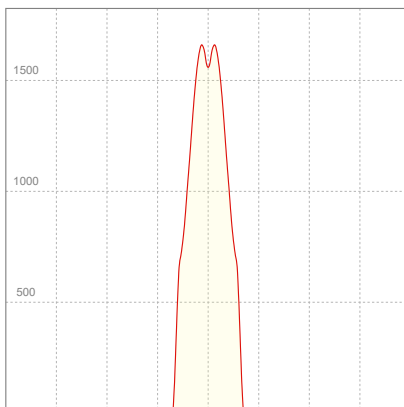
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
42,9°	59,7°	61,8°	99,4%	99,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1568lx	392lx	174lx	98lx	63lx	28lx	16lx	7lx	4lx	3lx	2lx	1lx	1lx
Footcand.	146fcd	36fcd	16fcd	9fcd	6fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,1m	3,9m	5,9m	7,8m	11,8m	15,7m	19,6m	23,5m	31,4m	39,2m
Beam wid.	2,6ft	5,2ft	7,7ft	10,3ft	12,9ft	19,3ft	25,7ft	38,6ft	51,5ft	64,4ft	77,2ft	103ft	128,7ft

LINEAR DISTRIBUTION DIAGRAM

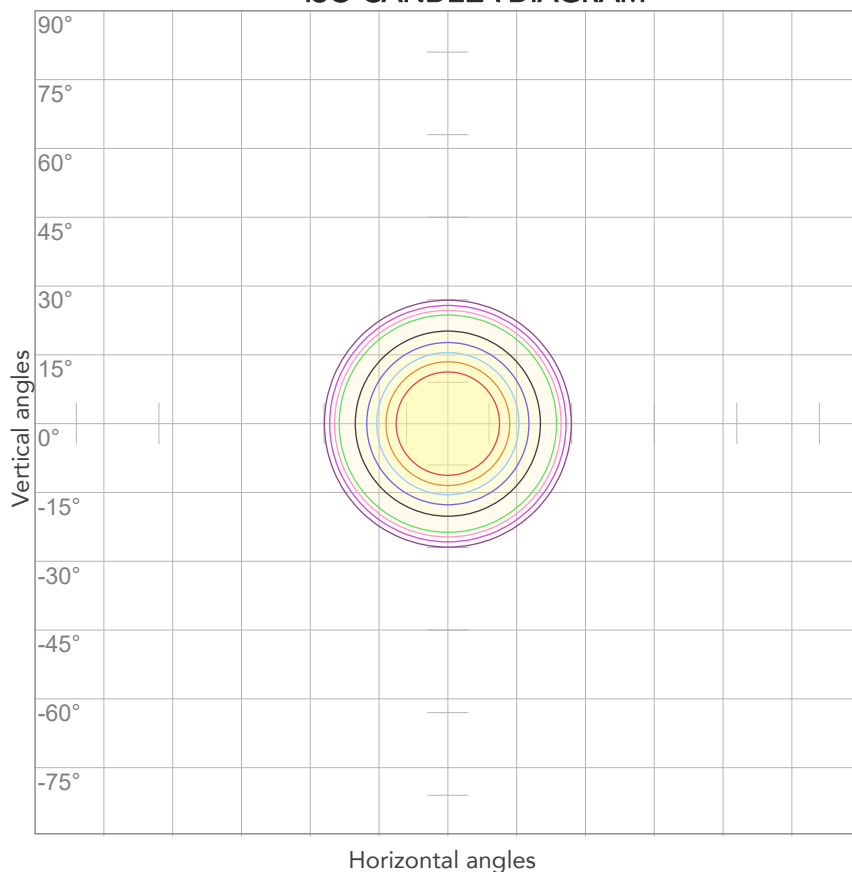


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
223V	0,301A	59,3W	0,88	13lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



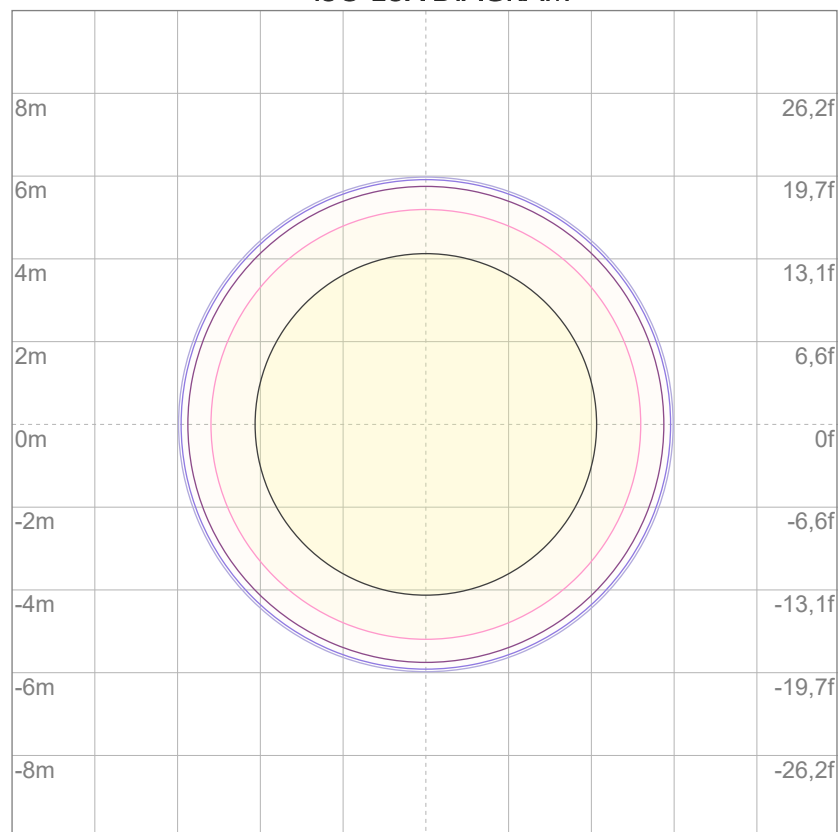
10%	157 cd
20%	314 cd
30%	470 cd
40%	627 cd
50%	784 cd
60%	941 cd
70%	1097 cd
80%	1254 cd

Conditions:

Number of c-planes: 2

Candela at center: 1568 cd

ISO LUX DIAGRAM



3%	0,470 lx
5%	0,784 lx
10%	1,57 lx
30%	4,70 lx
50%	7,84 lx

Conditions:

Number of c-planes: 2

Lux at center: 15,7 lx

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



Total lumen output:

991 lm

Peak candela output:

3491 cd

Light quality:

CRI: 70,2

Color temperature:

7257 K

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 30° MFX100LGBM

Target:

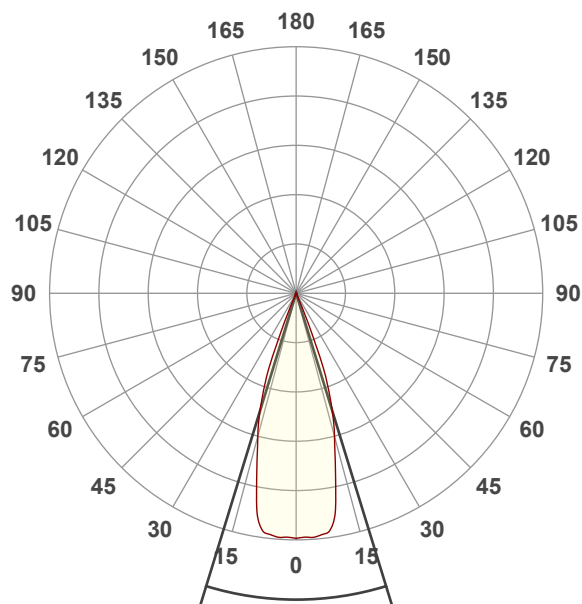
White

Operator:

Salvatore Giglio

Date and time:

30/08/2024 12:27:04

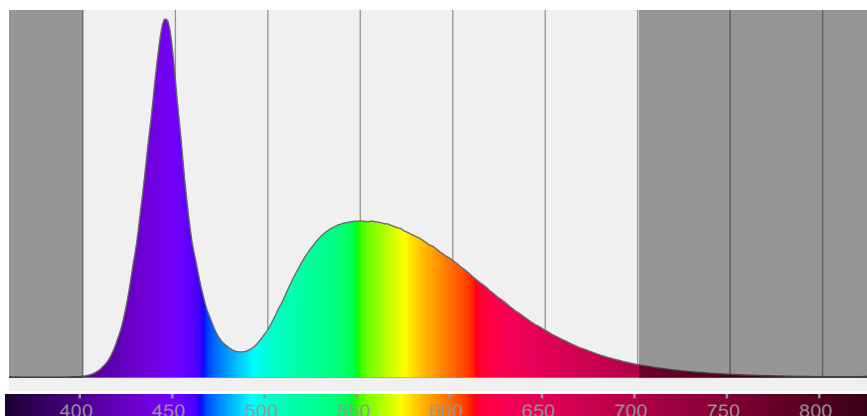


Beam angle 50%: 34,2°

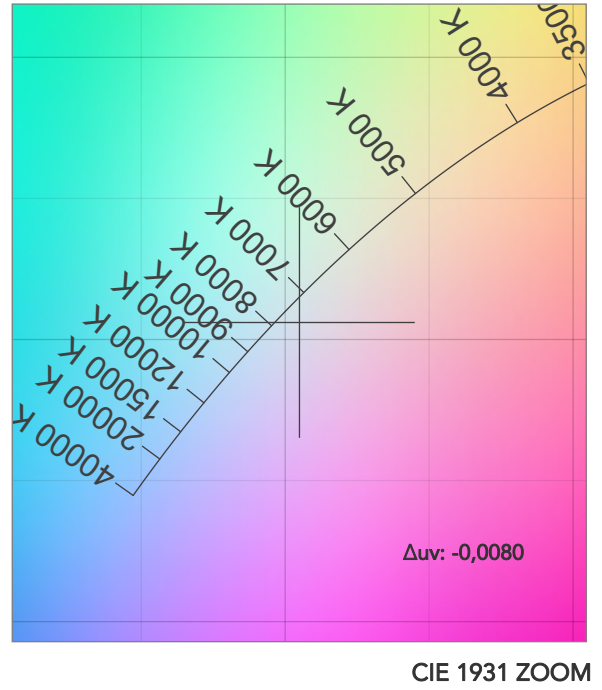
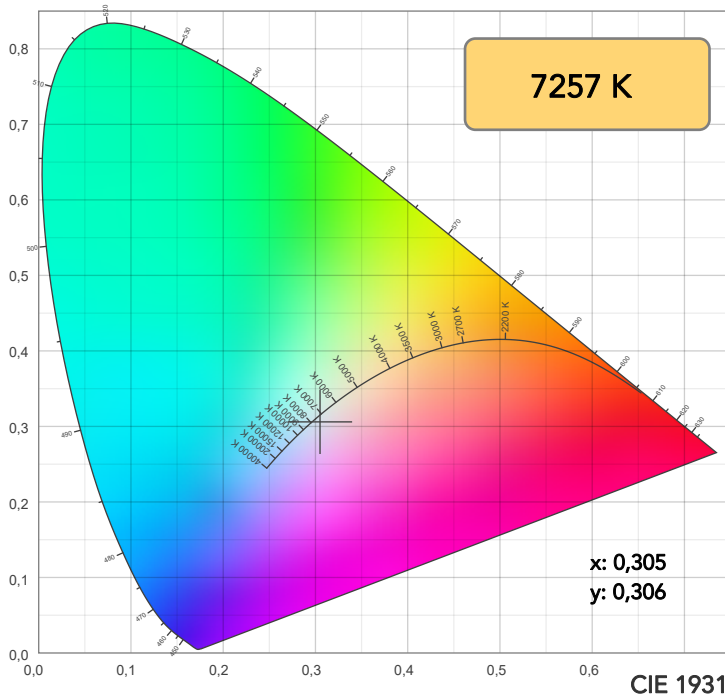
Field angle 10%: 45,1°

Cut off angle 2.5%: 47,8°

Spectra

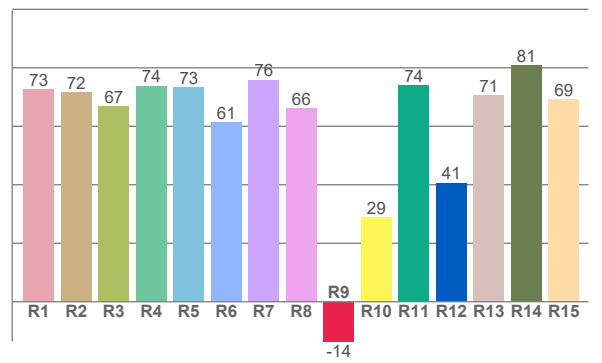
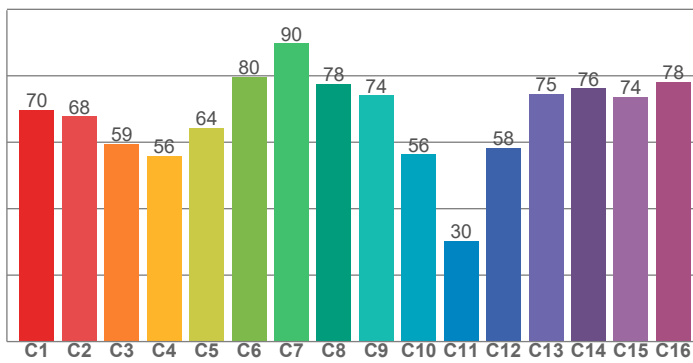


COLOR DETAILS



TM30: 67,3

CRI: 70,2 (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
72,6	71,7	66,7	73,8	73,2	61,5	75,9	66,0	-13,6	28,9	73,9	40,6	70,5	80,7	69,3

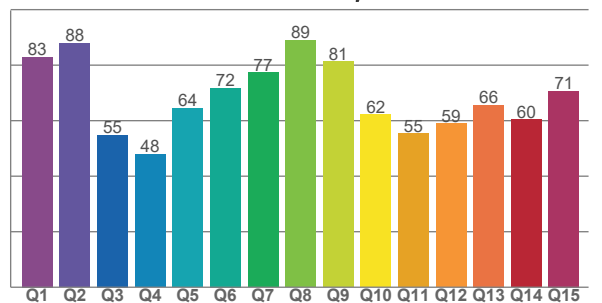
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
69,7	67,8	59,4	55,9	64,4	79,7	89,8	77,5	74,1	56,4	30,3	58,4	74,6	76,2	73,6	78,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83,0	87,9	54,9	47,9	64,4	71,8	77,3	89,0	81,2	62,2	55,3	59,0	65,6	60,4	70,7

CQS: 66,4



COLOR PARAMETERS

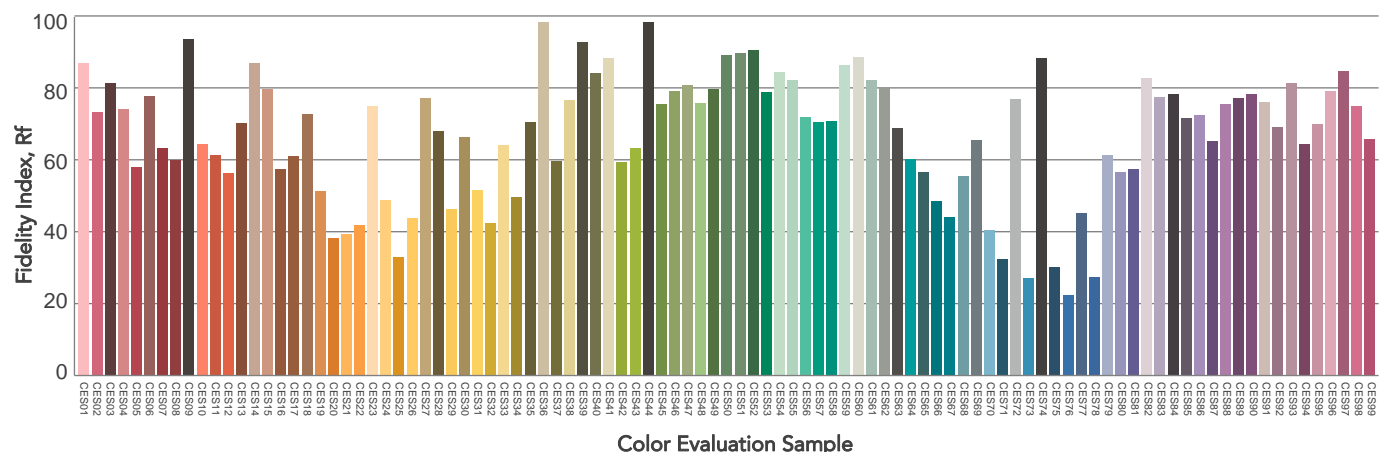
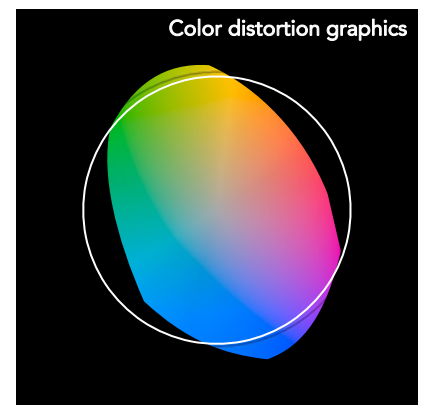
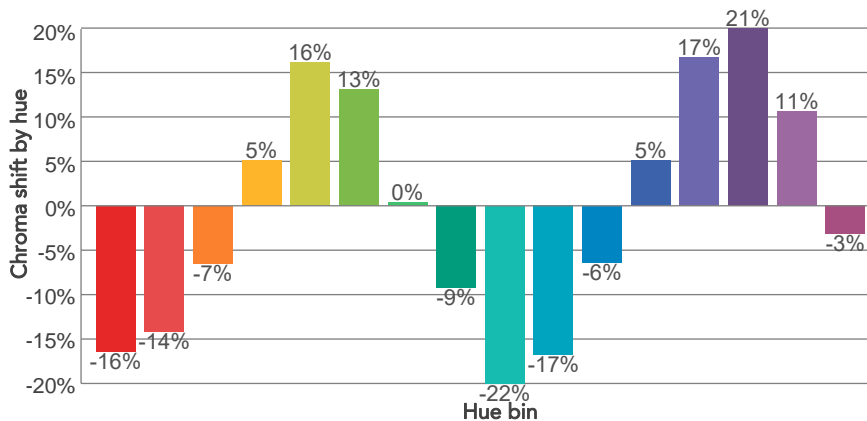
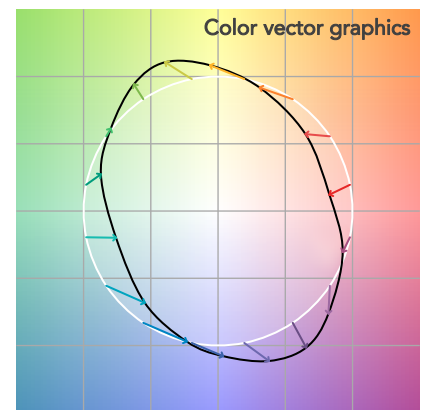
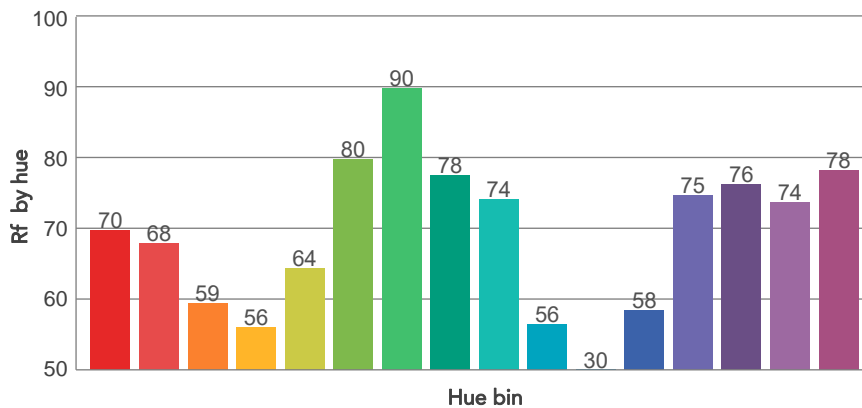
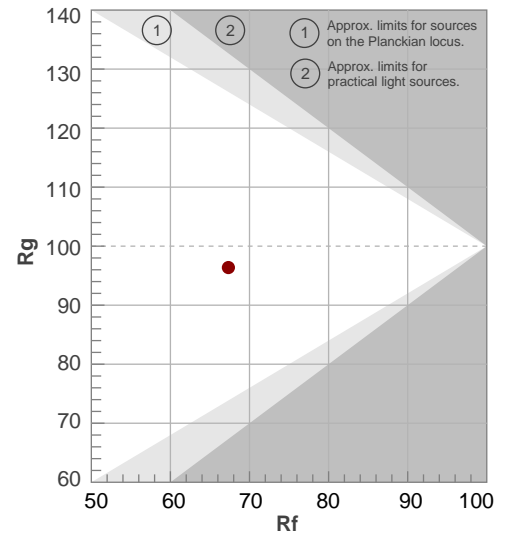
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
7257 K	70,2	-13,6	67,3	96,4	66,4	44	0,305	0,306	-0,0080

TM30 DETAILS

Rf 67,3
Fidelity index Rf

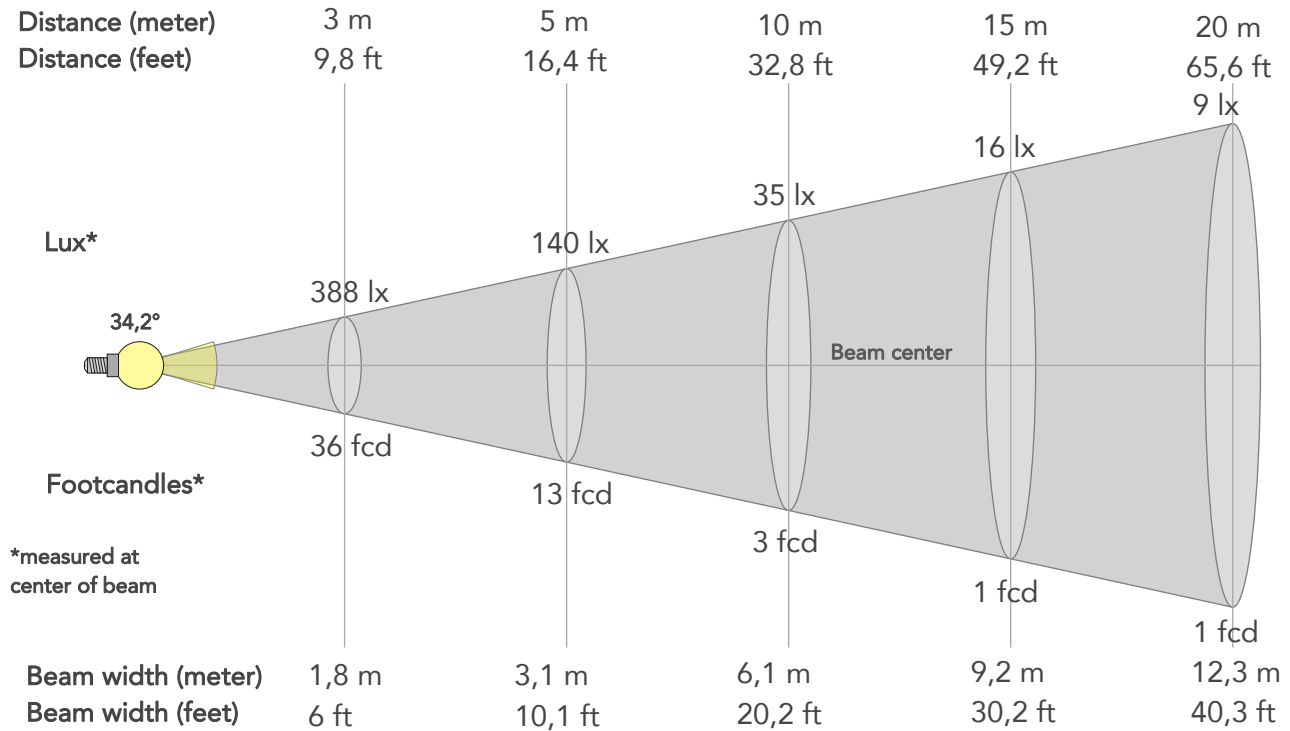
Rg 96,4
Gammut index

		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	70	-16%	-4%
2	68	-14%	11%
3	59	-7%	25%
4	56	5%	27%
5	64	16%	17%
6	80	13%	0%
7	90	0%	-7%
8	78	-9%	-10%
9	74	-22%	5%
10	56	-17%	26%
11	30	-6%	35%
12	58	5%	25%
13	75	17%	15%
14	76	21%	-2%
15	74	11%	-18%
16	78	-3%	-12%



BEAM DETAILS

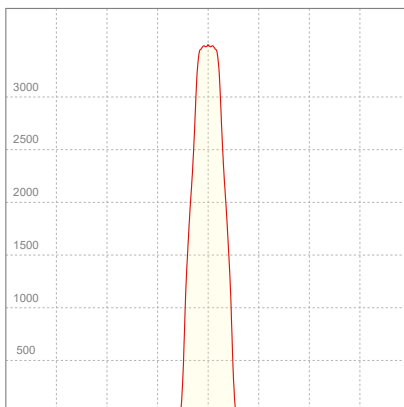
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34,2°	45,1°	47,8°	99,7%	99,6%



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	3491lx	873lx	388lx	218lx	140lx	62lx	35lx	16lx	9lx	6lx	4lx	2lx	1lx
Footcand.	324fcd	81fcd	36fcd	20fcd	13fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,5m	3,1m	4,6m	6,1m	9,2m	12,3m	15,4m	18,4m	24,6m	30,7m
Beam wid.	2ft	4,1ft	6ft	8ft	10,1ft	15,1ft	20,2ft	30,2ft	40,3ft	50,4ft	60,5ft	80,6ft	100,8ft

LINEAR DISTRIBUTION DIAGRAM

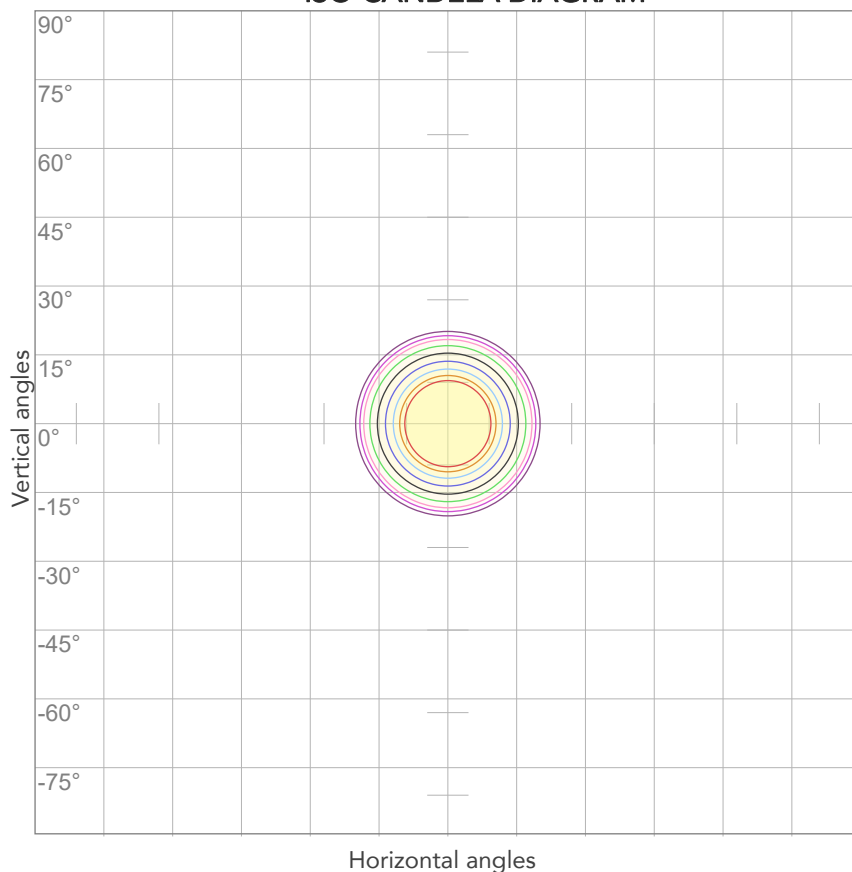


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,264A	59,6W	0,88	17lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



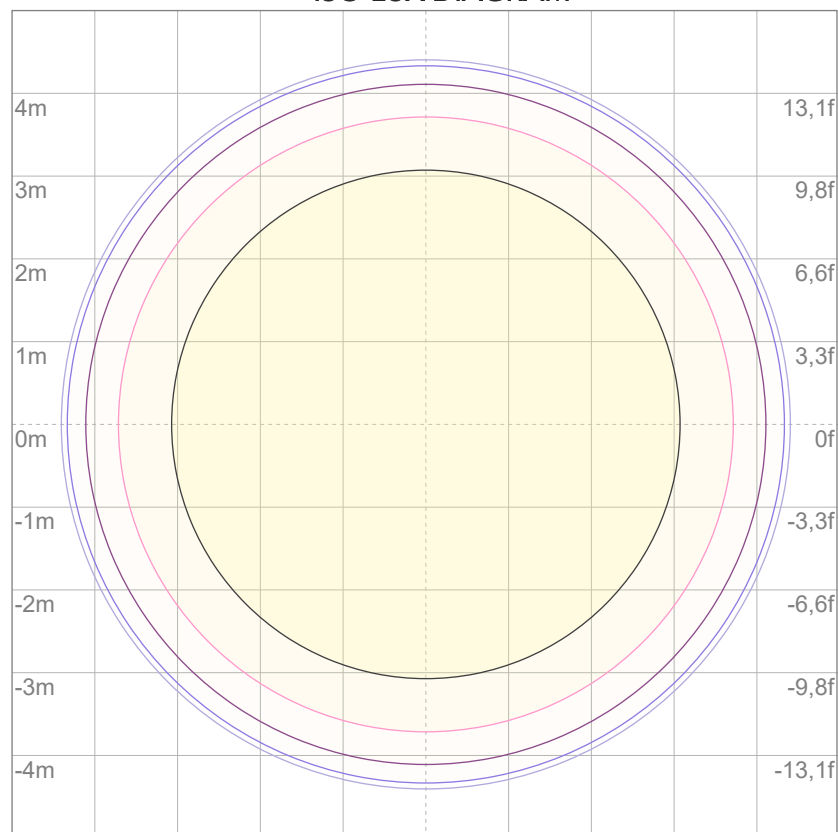
10%	349 cd
20%	698 cd
30%	1047 cd
40%	1396 cd
50%	1745 cd
60%	2095 cd
70%	2444 cd
80%	2793 cd

Conditions:

Number of c-planes: 2

Candela at center: 3491 cd

ISO LUX DIAGRAM



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

Conditions:

Number of c-planes: 2

Lux at center: 34,9 lx

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



Total lumen output:

778 lm

Peak candela output:

1591 cd

Light quality:

CRI: 71,0

Color temperature:

7078 K

PRODUCT NAME:

Mosaico FX100 FC

MEASUREMENT CONDITIONS:

Beam angle:

Optic 50° MFX100LGBW

Target:

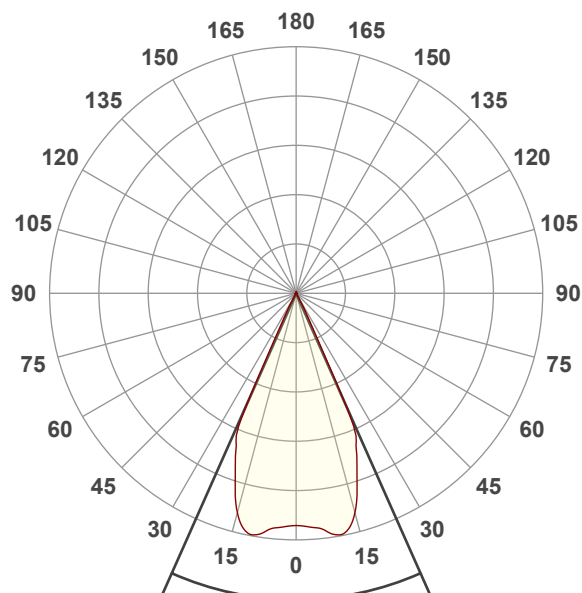
White

Operator:

Salvatore Giglio

Date and time:

29/08/2024 16:18:27

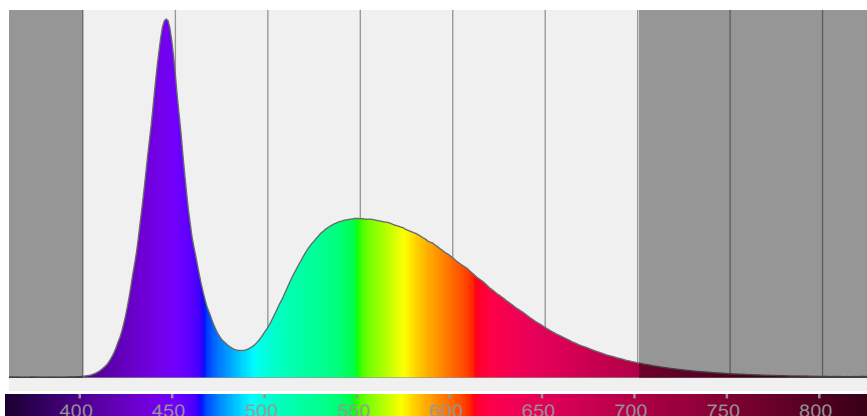


Beam angle 50%: 47,9°

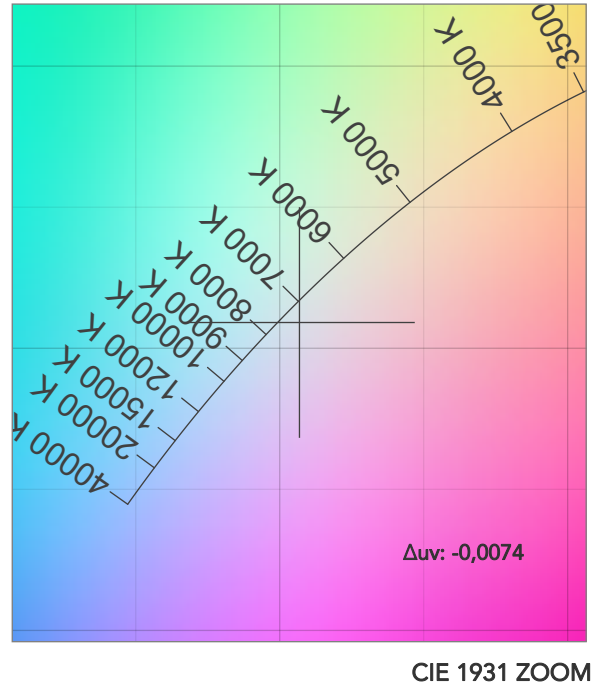
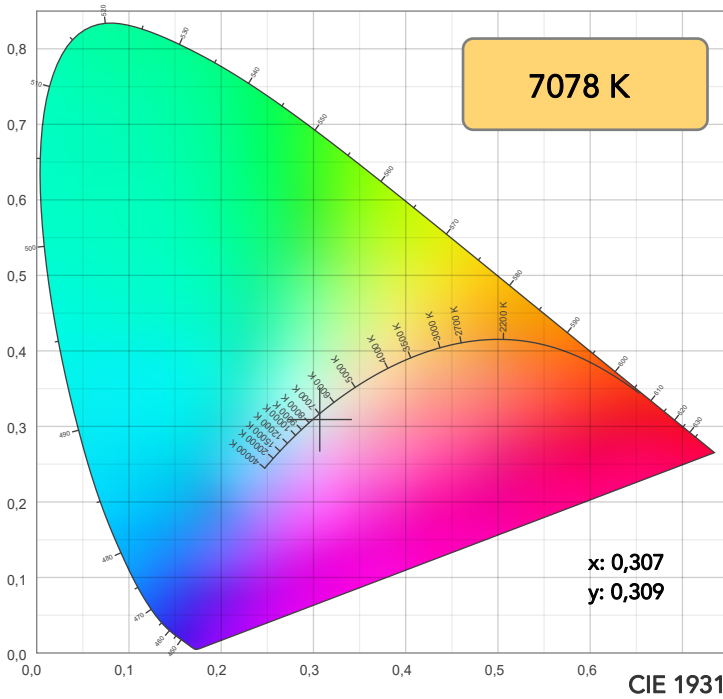
Field angle 10%: 53°

Cut off angle 2.5%: 56,3°

Spectra

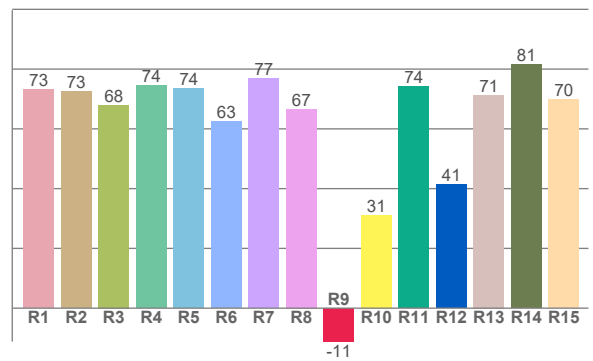
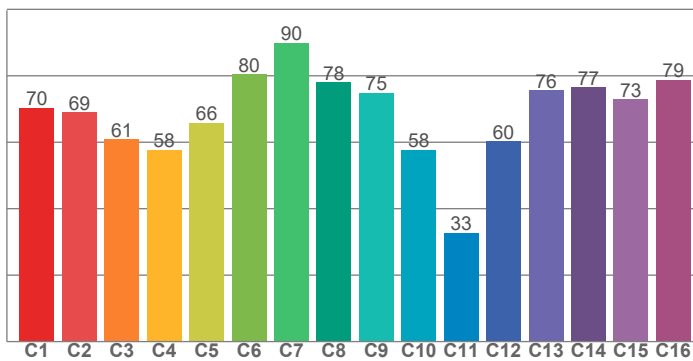


COLOR DETAILS



TM30: 68,4

CRI: 71,0 (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
73,1	72,5	68,0	74,4	73,6	62,5	76,8	66,6	-11,2	31,1	74,2	41,4	71,3	81,5	69,8

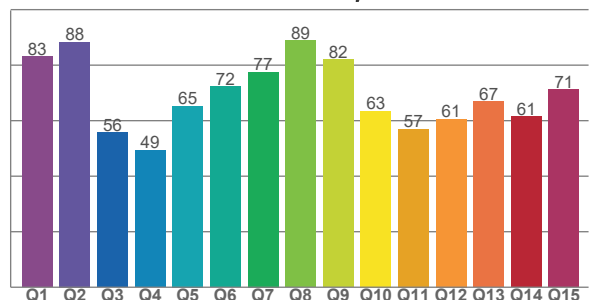
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
70,4	68,9	60,9	57,7	65,9	80,5	90,0	78,0	74,8	57,7	32,6	60,3	75,6	76,5	72,9	78,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83,1	88,3	55,7	49,3	65,4	72,3	77,5	88,9	82,0	63,5	57,0	60,7	66,9	61,4	71,3

CQS: 67,3



COLOR PARAMETERS

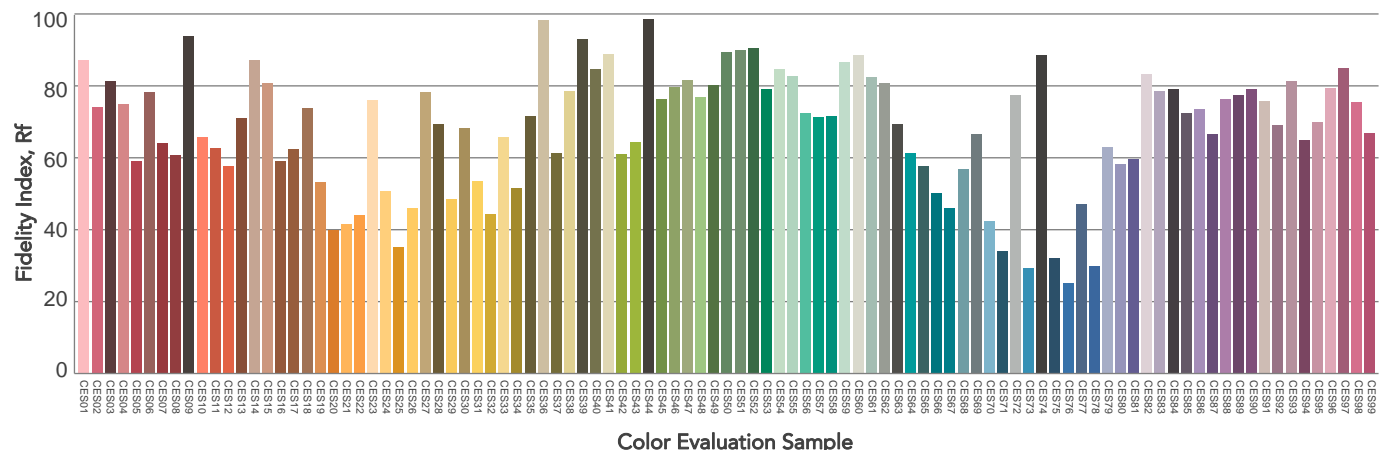
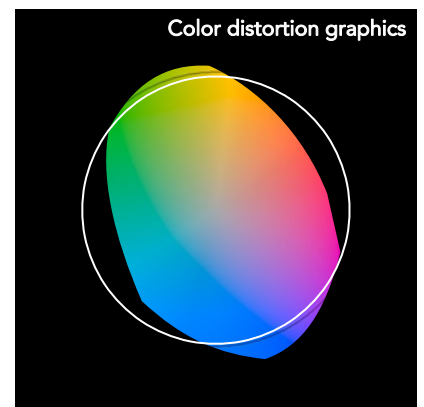
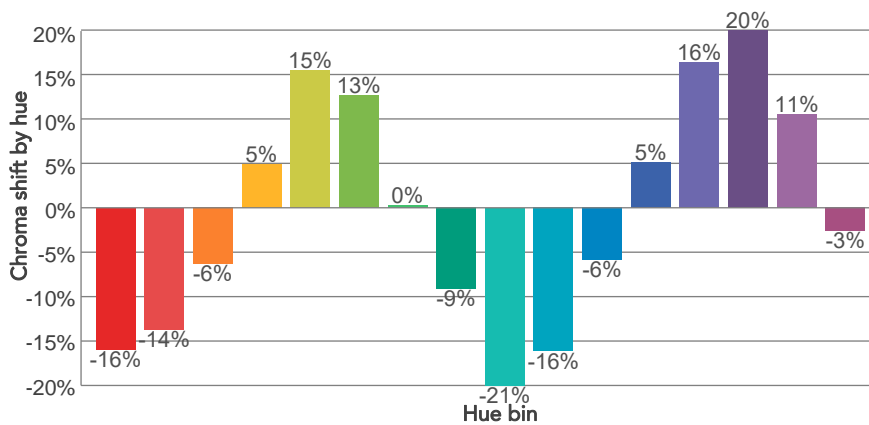
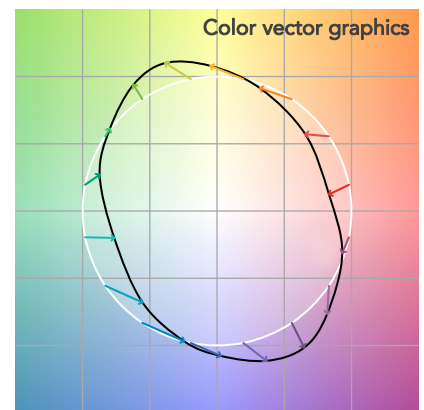
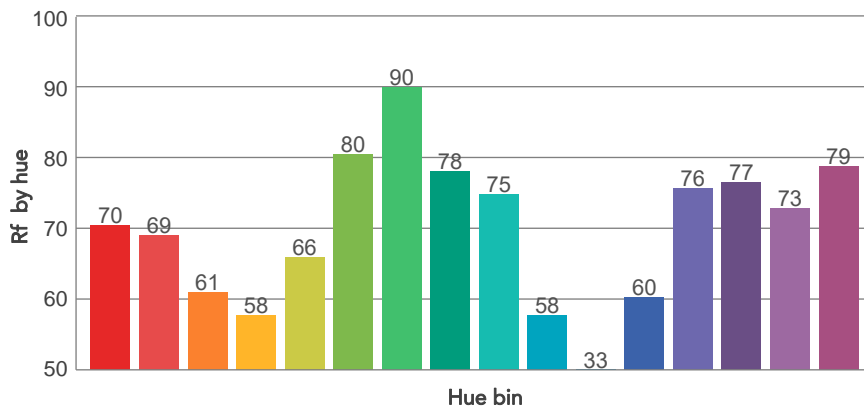
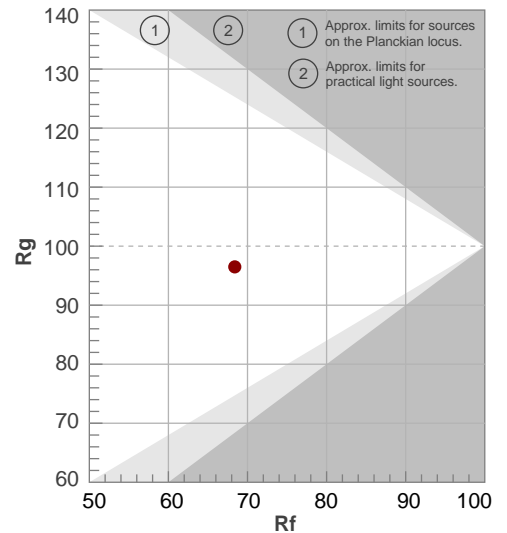
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
7078 K	71,0	-11,2	68,4	96,5	67,3	46	0,307	0,309	-0,0074

TM30 DETAILS

Rf 68,4
Fidelity index Rf

Rg 96,5
Gammut index

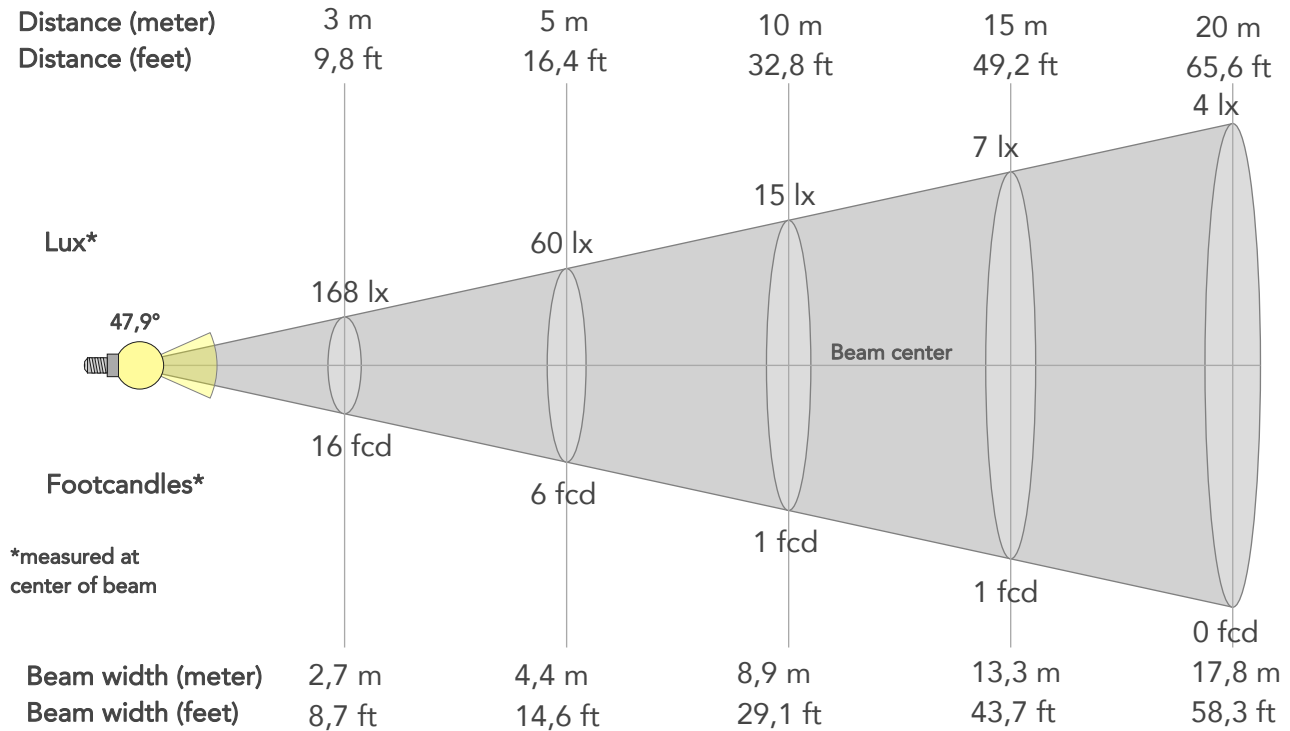
		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	70	-16%	-4%
2	69	-14%	11%
3	61	-6%	24%
4	58	5%	26%
5	66	15%	16%
6	80	13%	0%
7	90	0%	-7%
8	78	-9%	-9%
9	75	-21%	5%
10	58	-16%	26%
11	33	-6%	33%
12	60	5%	24%
13	76	16%	14%
14	77	20%	-3%
15	73	11%	-18%
16	79	-3%	-13%



BEAM DETAILS



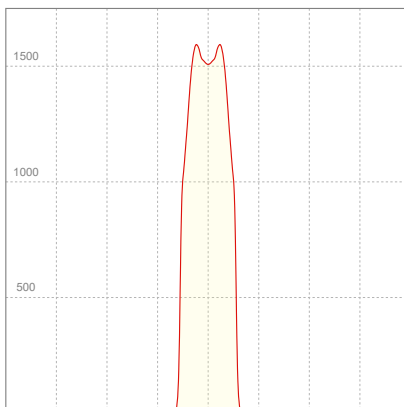
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
47,9°	53°	56,3°	99,6%	99,4%



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	1509lx	377lx	168lx	94lx	60lx	27lx	15lx	7lx	4lx	2lx	2lx	1lx	1lx
Footcand.	140fcd	35fcd	16fcd	9fcd	6fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,8m	2,7m	3,6m	4,4m	6,7m	8,9m	13,3m	17,8m	22,2m	26,7m	35,5m	44,4m
Beam wid.	2,9ft	5,9ft	8,7ft	11,6ft	14,6ft	21,9ft	29,1ft	43,7ft	58,3ft	72,9ft	87,4ft	116,6ft	145,7ft

LINEAR DISTRIBUTION DIAGRAM

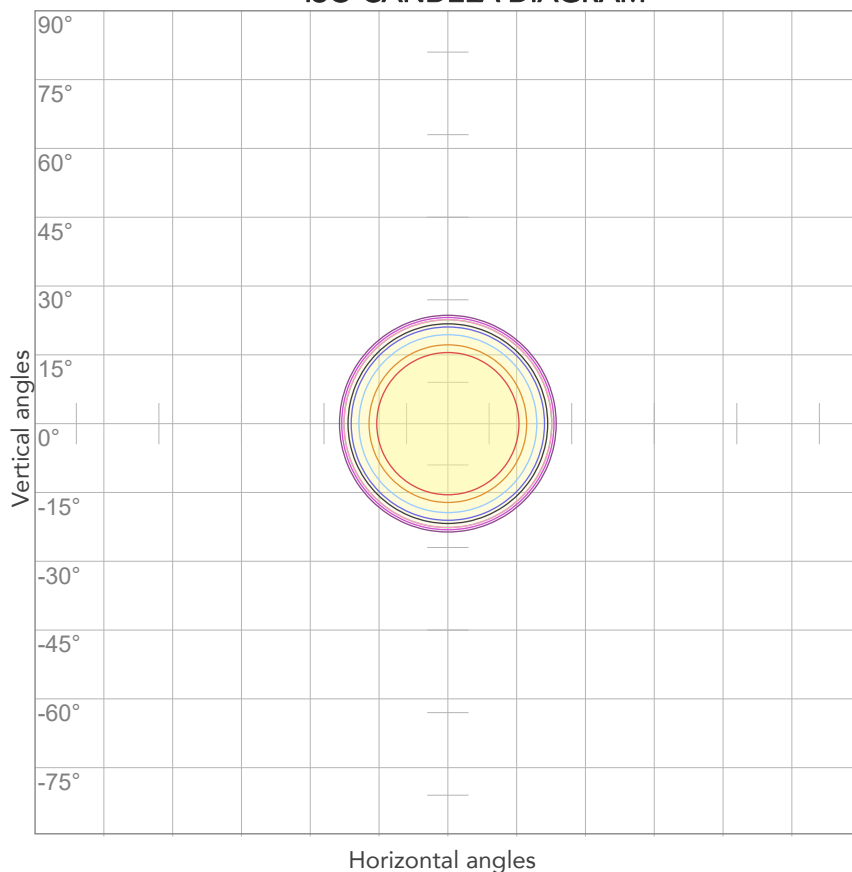


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,301A	59,6W	0,88	13lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



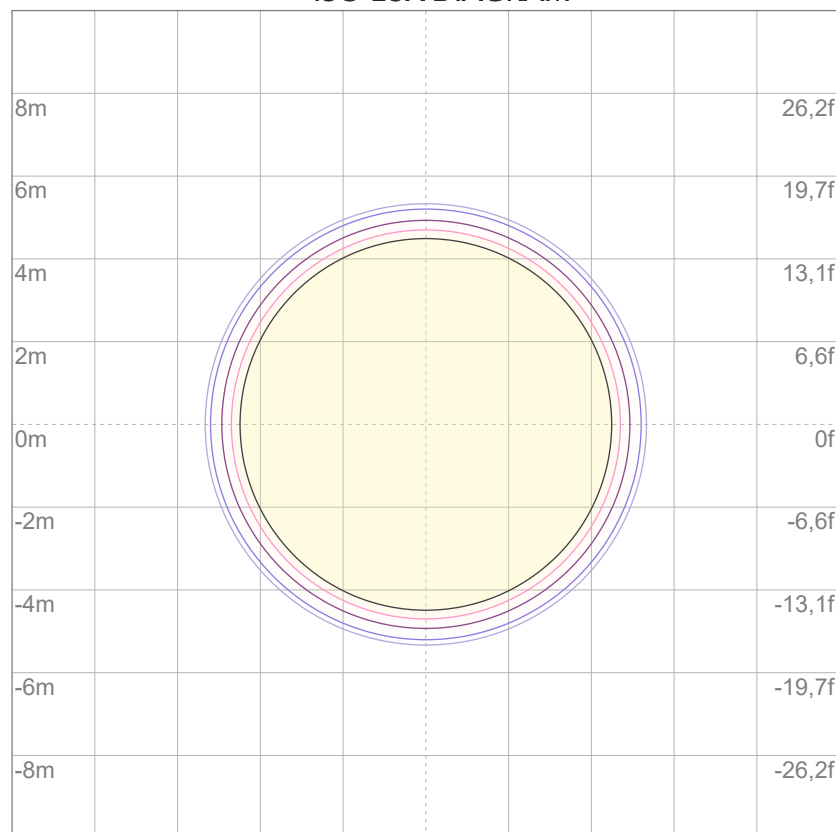
10%	151 cd
20%	302 cd
30%	453 cd
40%	604 cd
50%	755 cd
60%	906 cd
70%	1056 cd
80%	1207 cd

Conditions:

Number of c-planes: 2

Candela at center: 1509 cd

ISO LUX DIAGRAM



3%	0,453 lx
5%	0,755 lx
10%	1,51 lx
30%	4,53 lx
50%	7,55 lx

Conditions:

Number of c-planes: 2

Lux at center: 15,1 lx

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



Total lumen output:

535 lm

Peak candela output:

7364 cd

Light quality:

CRI: 36,9

Color temperature:

3174 K

PRODUCT NAME:

Mosaico FX100 FC

MEASUREMENT CONDITIONS:

Beam angle:

Optic 15° MFX100LWGN

Target:

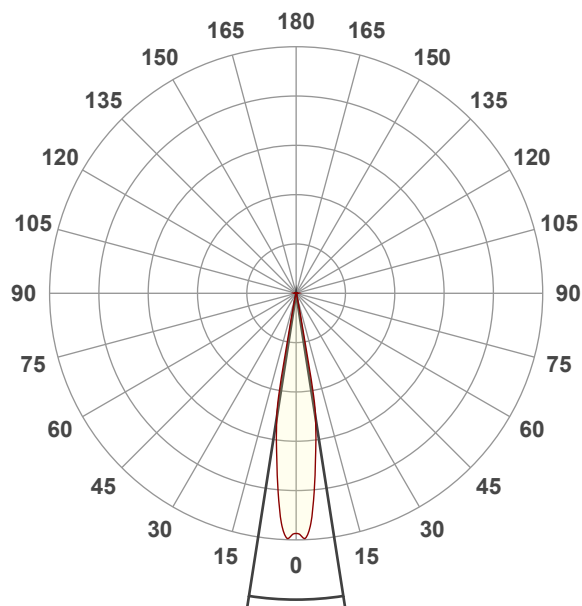
3200K

Operator:

Salvatore Giglio

Date and time:

30/08/2024 11:59:50

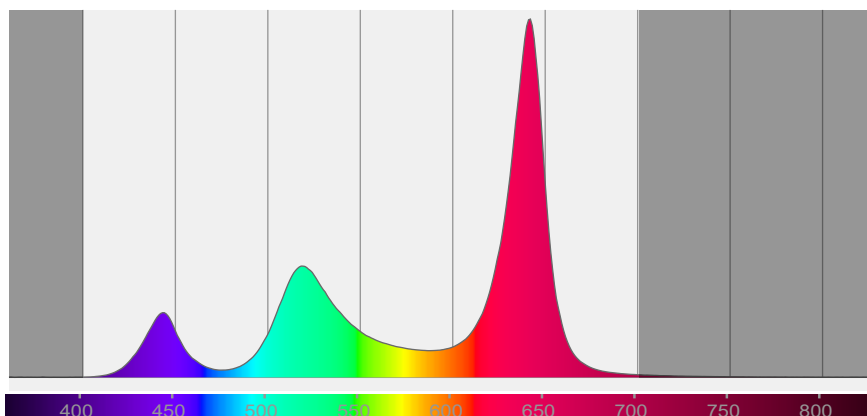


Beam angle 50%: 17,7°

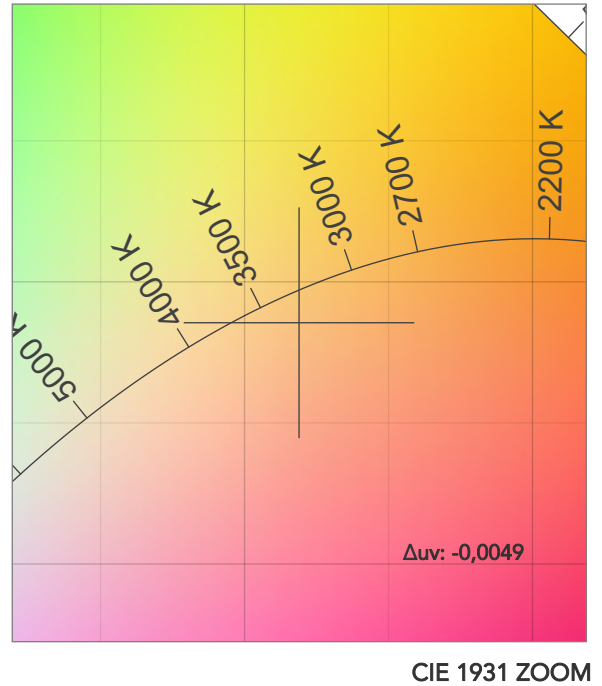
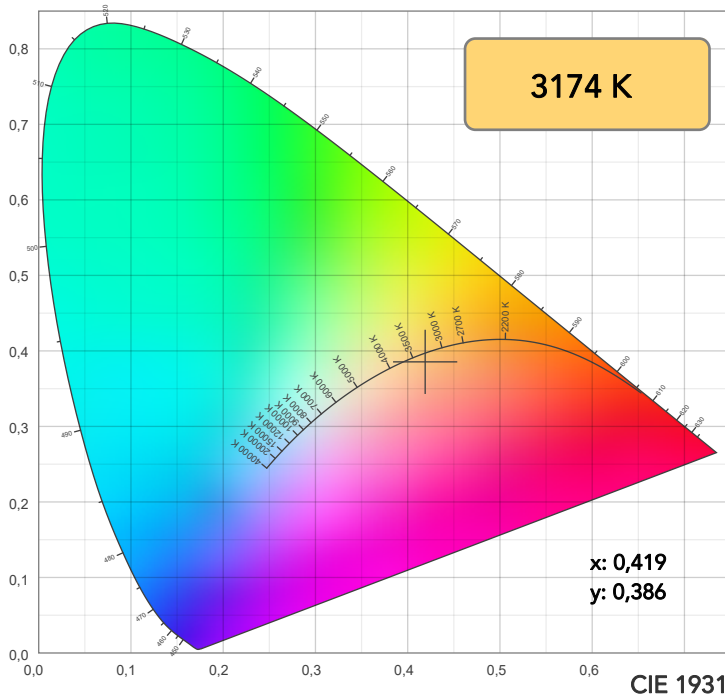
Field angle 10%: 22,3°

Cut off angle 2.5%: 24,6°

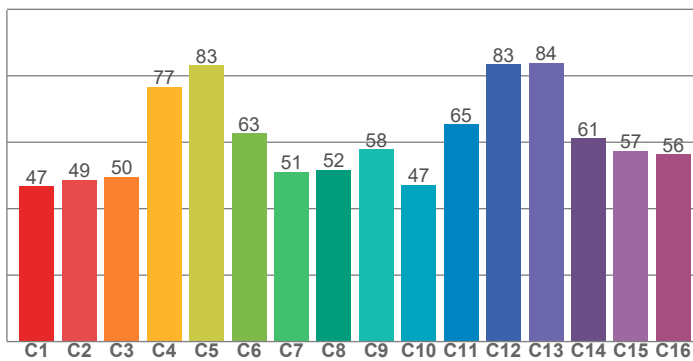
Spectra



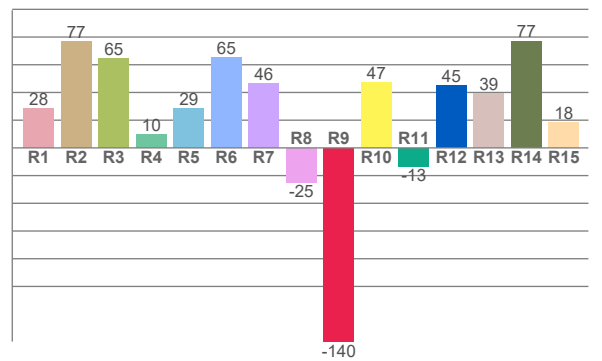
COLOR DETAILS



TM30: 61,7



CRI: 36,9 (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
28,4	77,0	64,8	9,7	28,8	65,1	46,3	-24,8	-139,8	47,0	-13,4	45,4	39,3	77,2	18,2

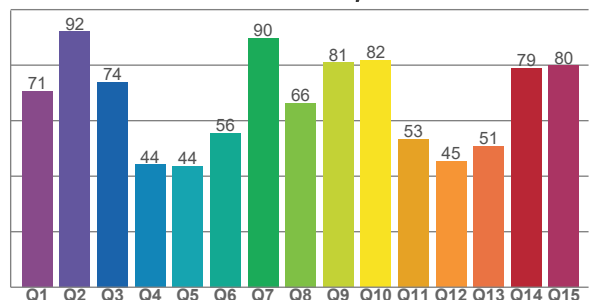
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
46,7	48,6	49,6	76,7	83,1	62,6	51,1	51,7	57,9	47,1	65,4	83,5	83,9	61,2	57,4	56,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
70,6	92,1	74,0	44,1	43,6	55,6	89,8	66,3	80,9	81,7	53,5	45,3	50,9	78,8	79,8

CQS: 63,1



COLOR PARAMETERS

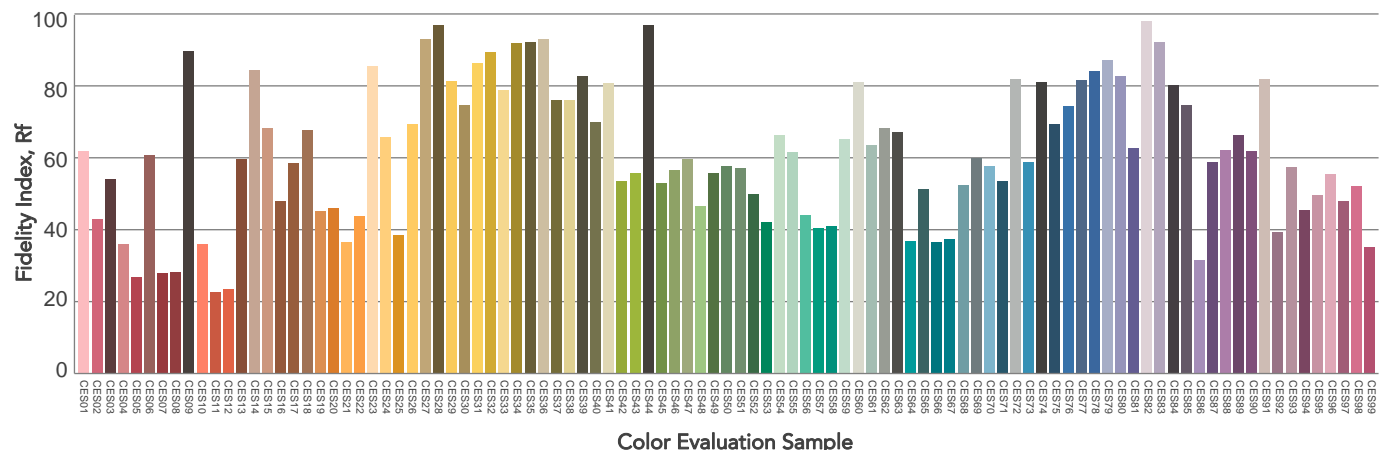
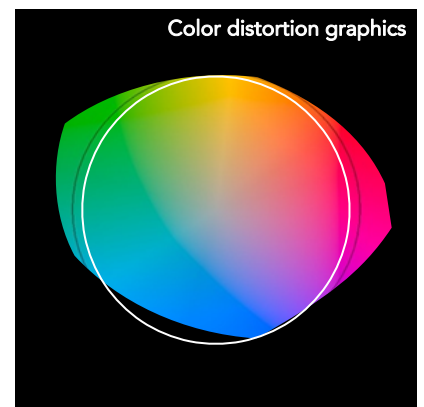
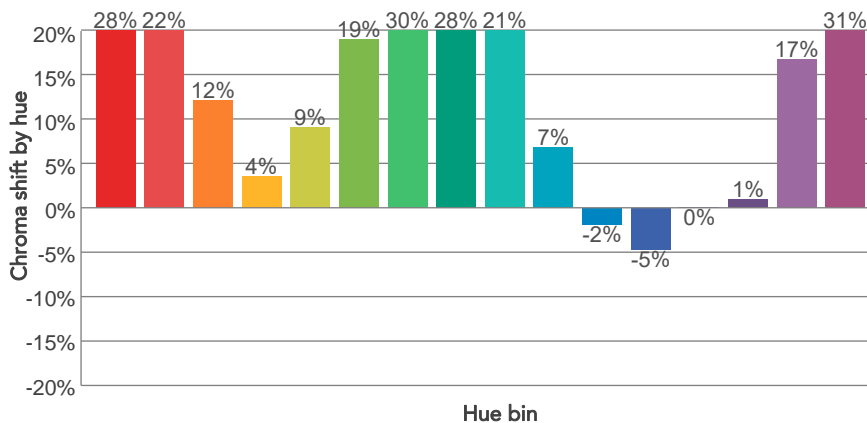
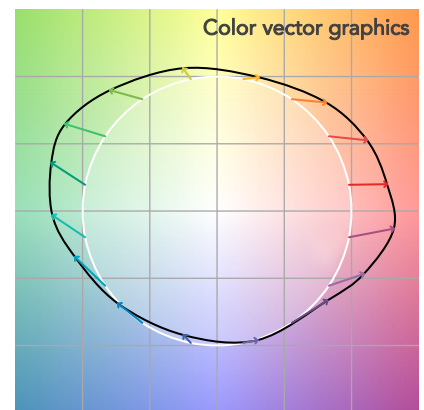
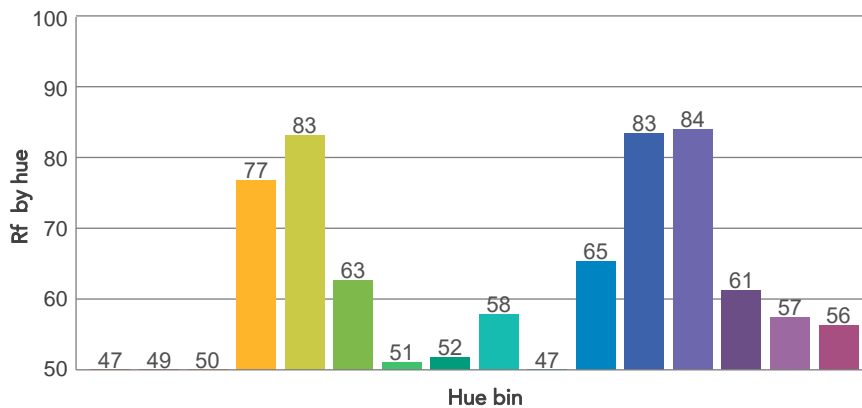
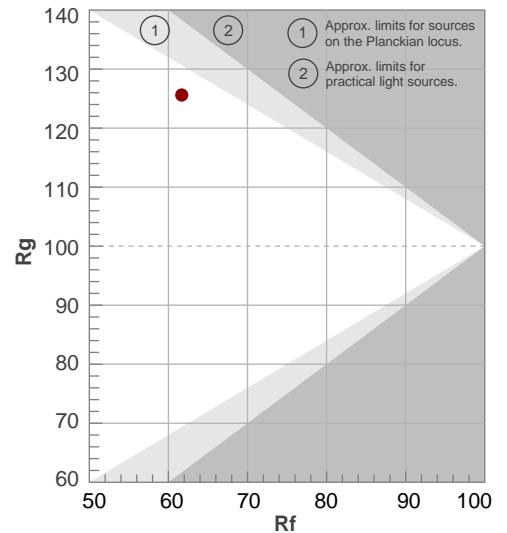
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3174 K	36,9	-139,8	61,7	125,6	63,1	22	0,419	0,386	-0,0049

TM30 DETAILS

Rf 61,7
Fidelity index Rf

Rg 125,6
Gammut index

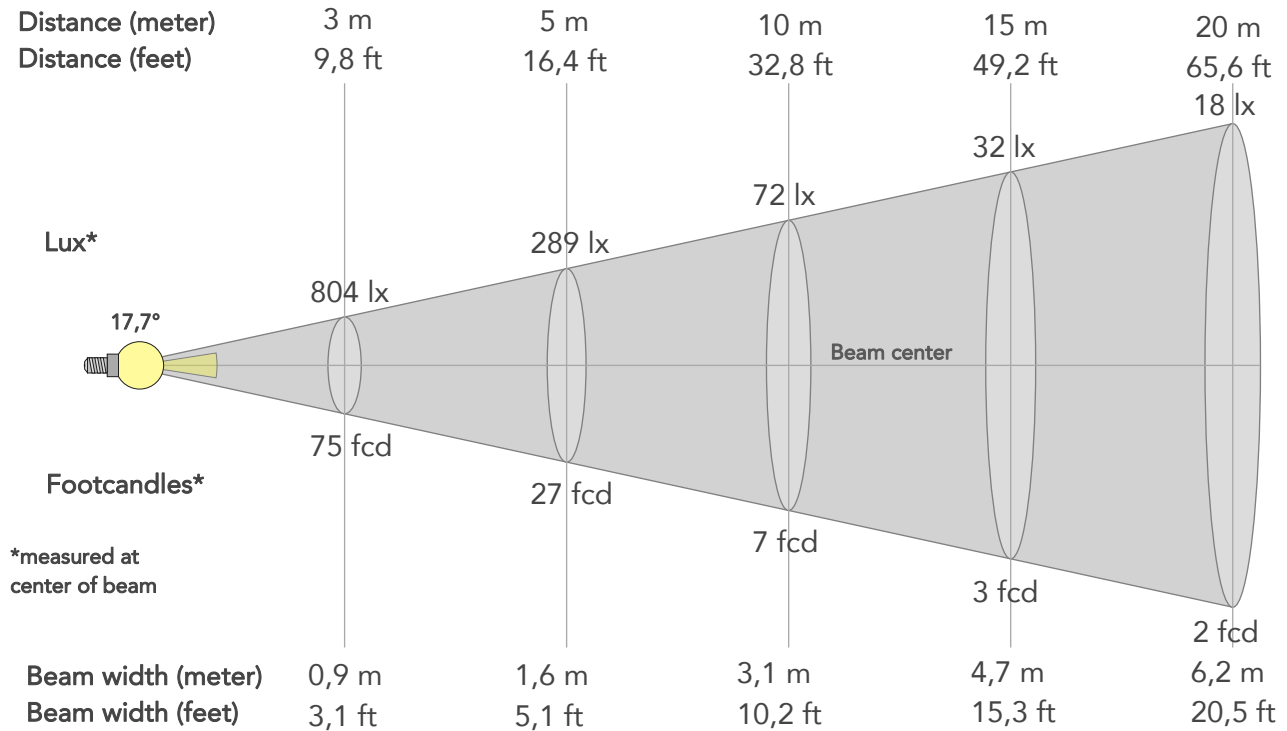
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	47	28%	-5%
2	49	22%	-18%
3	50	12%	-23%
4	77	4%	-11%
5	83	9%	4%
6	63	19%	16%
7	51	30%	9%
8	52	28%	-11%
9	58	21%	-21%
10	47	7%	-30%
11	65	-2%	-23%
12	83	-5%	-6%
13	84	0%	11%
14	61	1%	31%
15	57	17%	22%
16	56	31%	13%



BEAM DETAILS



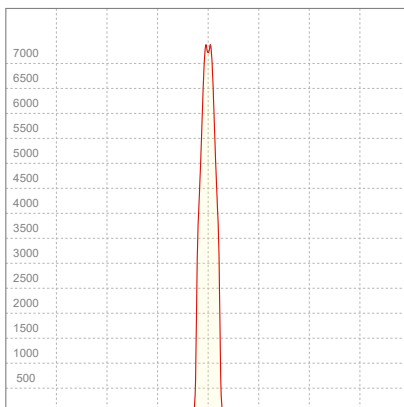
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,7°	22,3°	24,6°	98,7%	98,5%



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	7232lx	1808lx	804lx	452lx	289lx	129lx	72lx	32lx	18lx	12lx	8lx	5lx	3lx
Footcand.	672fcd	168fcd	75fcd	42fcd	27fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,6m	2,3m	3,1m	4,7m	6,2m	7,8m	9,4m	12,5m	15,6m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,1ft	7,7ft	10,2ft	15,3ft	20,5ft	25,6ft	30,7ft	40,9ft	51,1ft

LINEAR DISTRIBUTION DIAGRAM

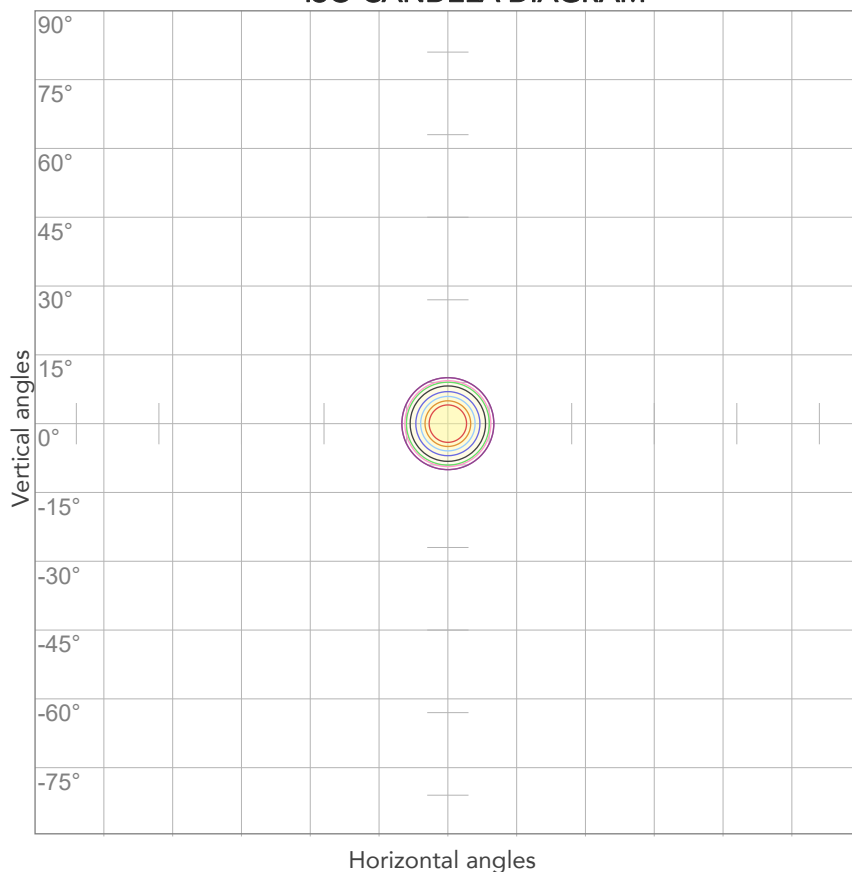


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,222A	50,1W	0,85	11lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



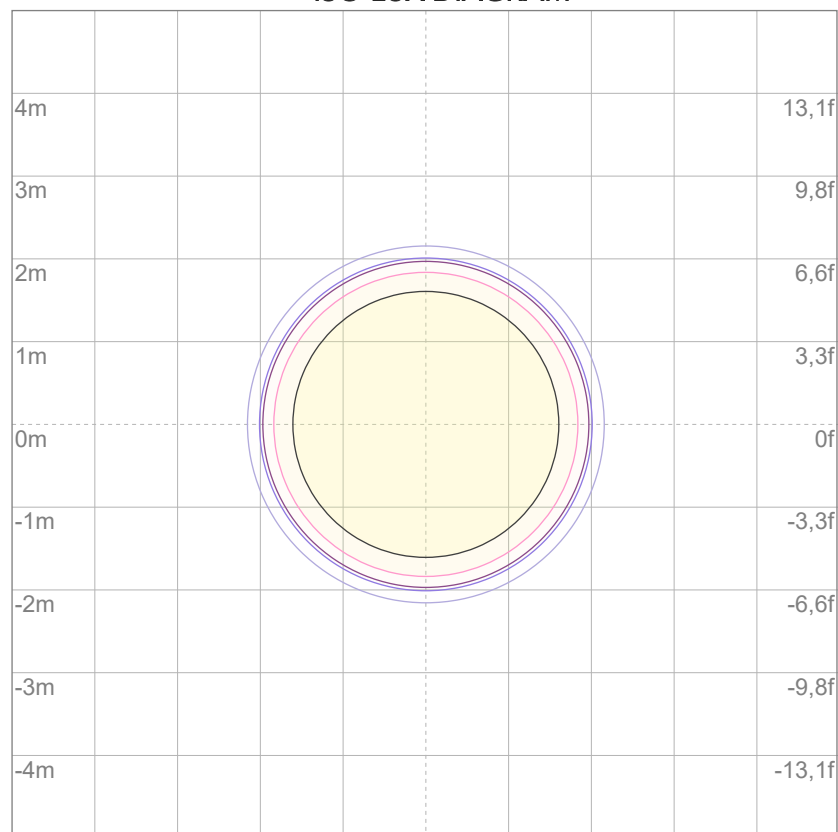
10%	723 cd
20%	1446 cd
30%	2170 cd
40%	2893 cd
50%	3616 cd
60%	4339 cd
70%	5063 cd
80%	5786 cd

Conditions:

Number of c-planes: 2

Candela at center: 7232 cd

ISO LUX DIAGRAM



3%	2,17 lx
5%	3,62 lx
10%	7,23 lx
30%	21,7 lx
50%	36,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 72,3 lx

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



Total lumen output:

519 lm

Peak candela output:

4082 cd

Light quality:

CRI: 37,4

Color temperature:

3225 K

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 30° MFX100LWTM

Target:

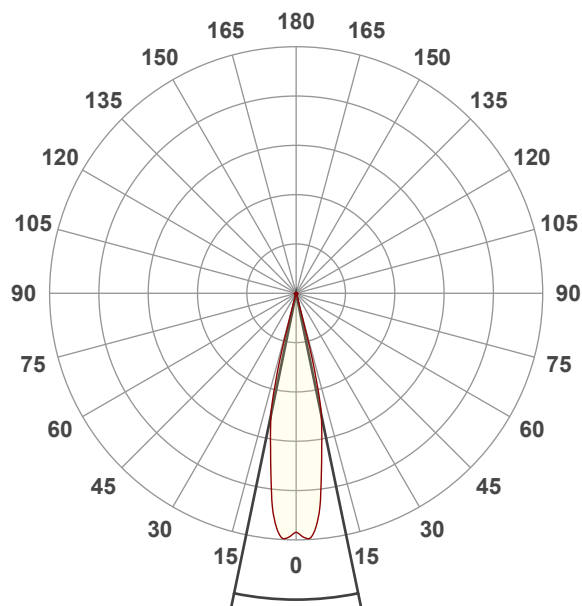
3200K

Operator:

Salvatore Giglio

Date and time:

30/08/2024 12:43:33

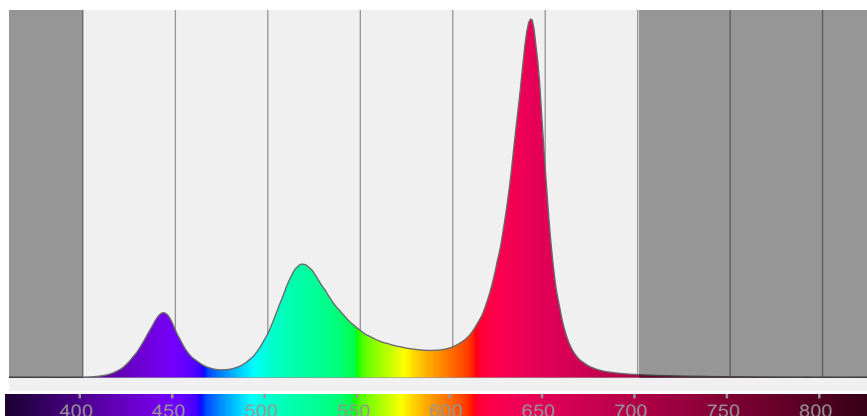


Beam angle 50%: 23,4°

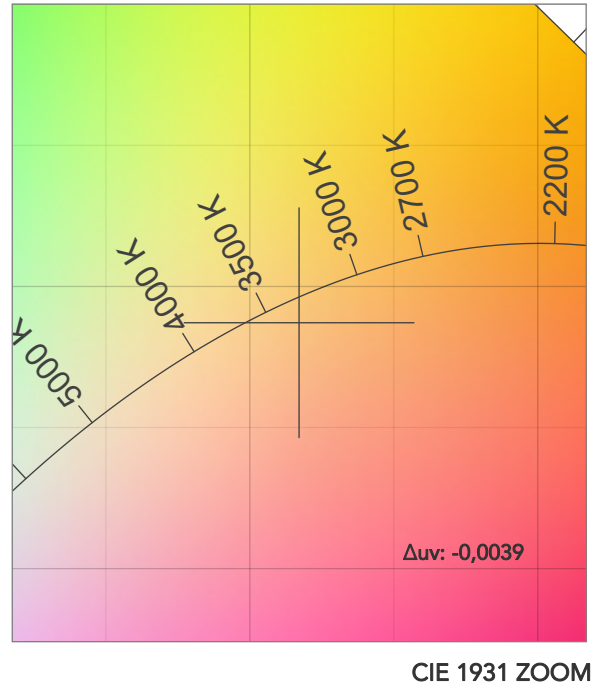
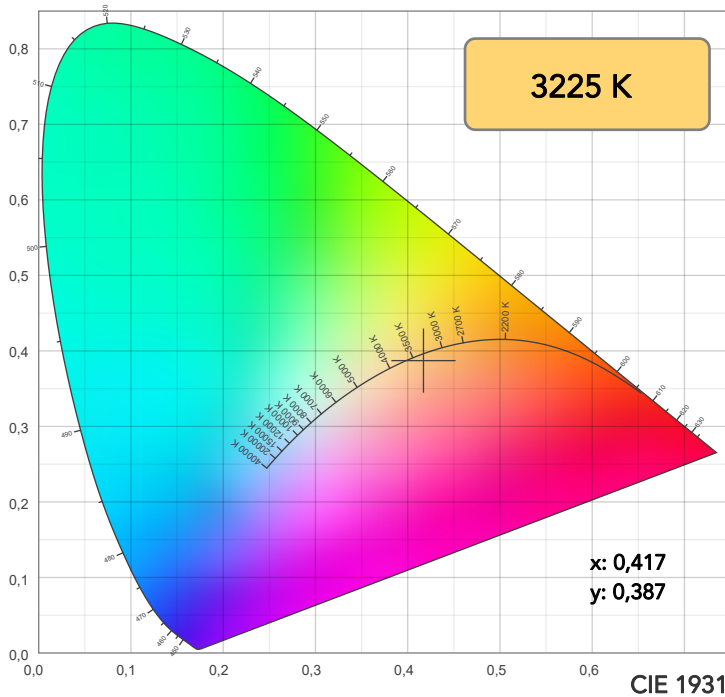
Field angle 10%: 29,9°

Cut off angle 2.5%: 31,9°

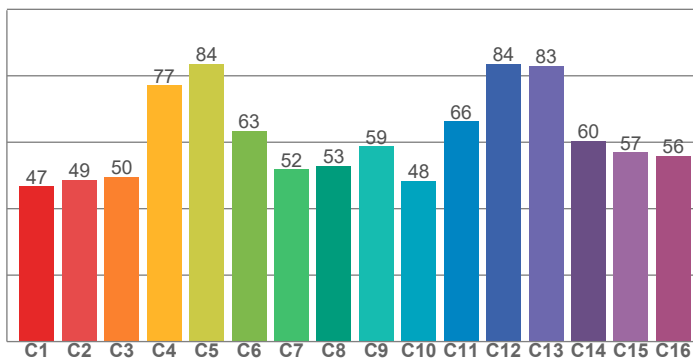
Spectra



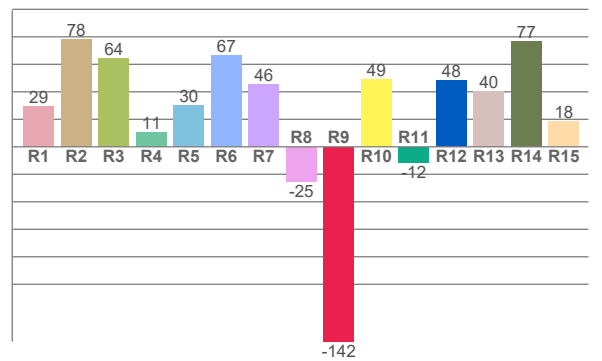
COLOR DETAILS



TM30: 62,0



CRI: 37,4 (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
29,3	77,9	64,1	10,8	30,1	66,8	45,6	-25,3	-141,7	48,8	-11,5	48,1	40,4	76,9	18,5

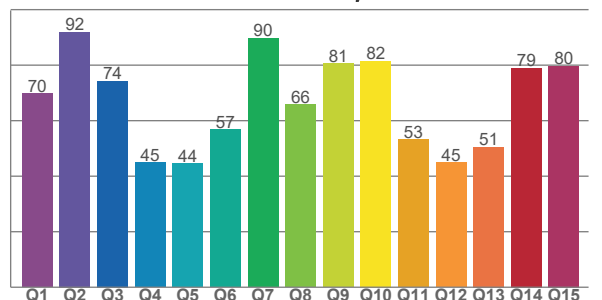
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
46,7	48,6	49,6	77,1	83,6	63,4	51,9	52,8	58,8	48,3	66,3	83,6	83,0	60,4	57,0	56,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
69,8	91,9	74,3	44,8	44,5	56,8	89,7	65,9	80,6	81,6	53,2	44,9	50,5	79,0	79,7

CQS: 63,2



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
3225 K	37,4	-141,7	62,0	125,1	63,2	22	0,417	0,387	-0,0039

TM30 DETAILS

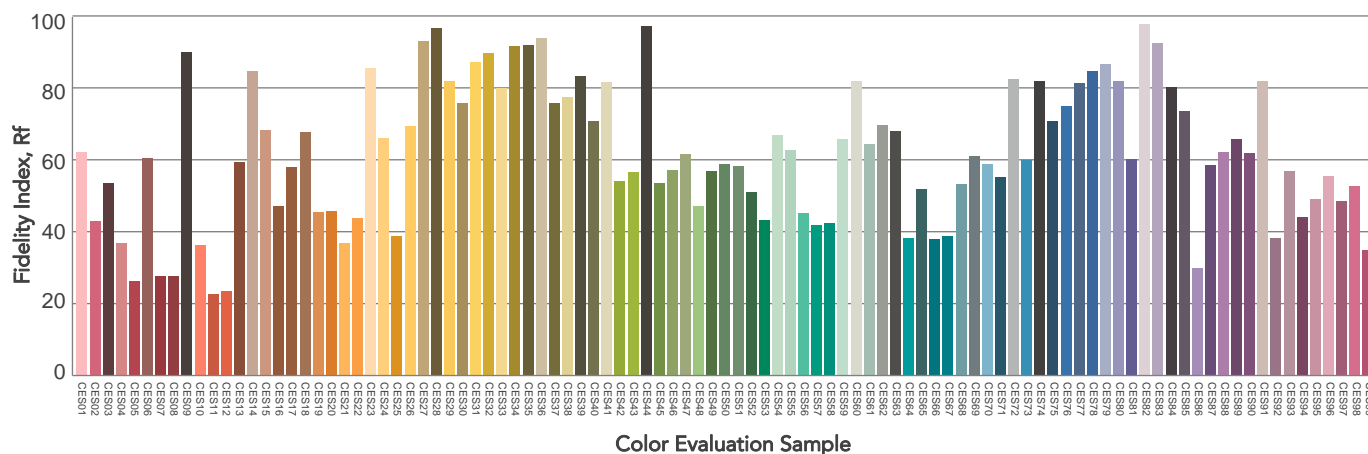
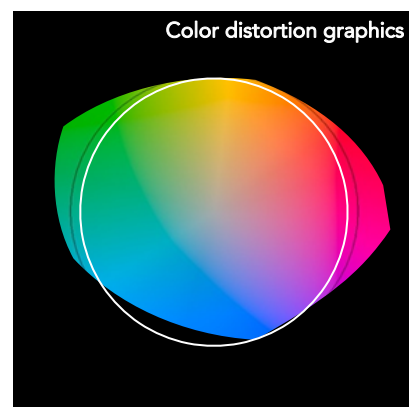
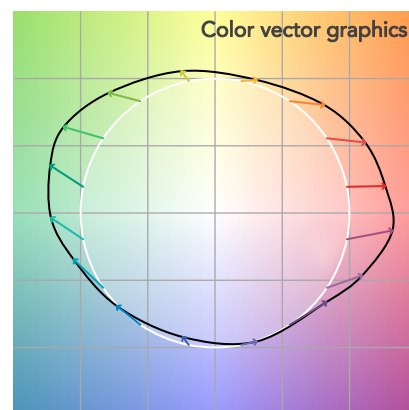
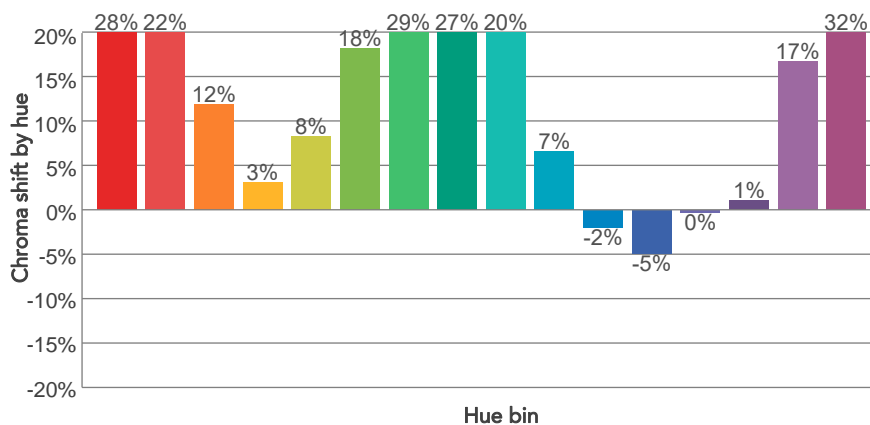
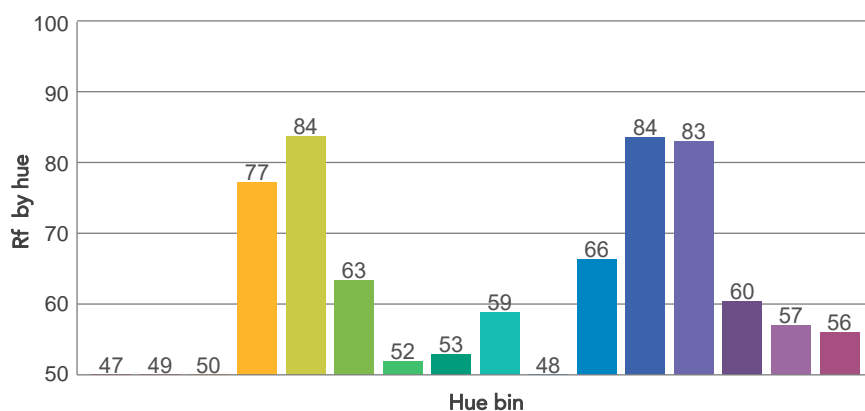
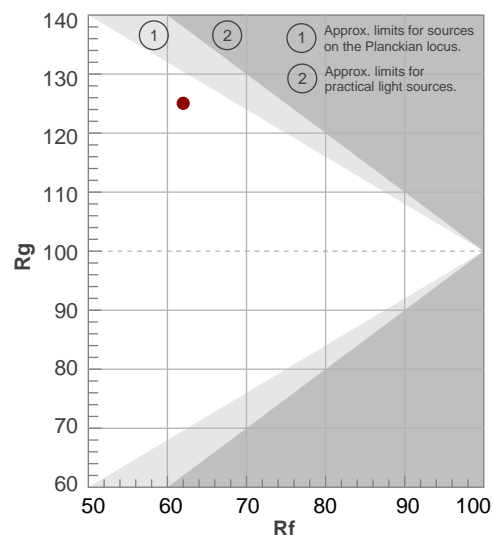
Rf 62,0

Fidelity index Rf

Rg 125,1

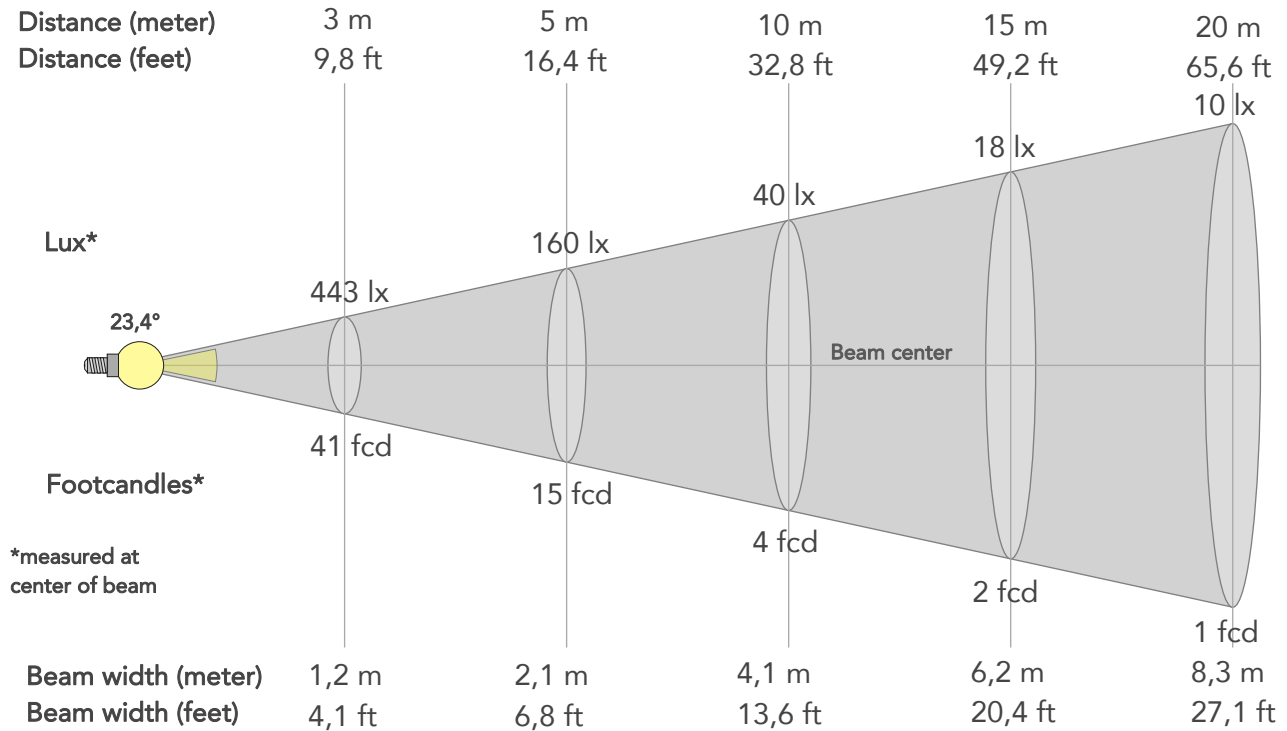
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	47	28%	-5%
2	49	22%	-18%
3	50	12%	-23%
4	77	3%	-11%
5	84	8%	4%
6	63	18%	16%
7	52	29%	9%
8	53	27%	-11%
9	59	20%	-20%
10	48	7%	-30%
11	66	-2%	-22%
12	84	-5%	-6%
13	83	0%	12%
14	60	1%	32%
15	57	17%	22%
16	56	32%	13%



BEAM DETAILS

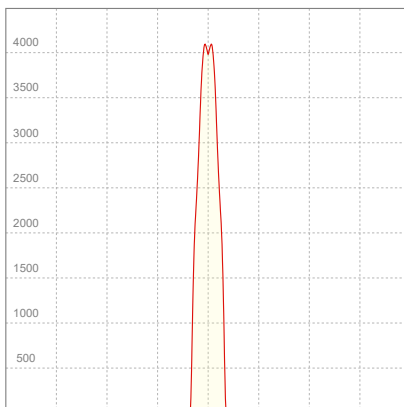
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	29,9°	31,9°	99,1%	98,9%



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	3990lx	997lx	443lx	249lx	160lx	71lx	40lx	18lx	10lx	6lx	4lx	2lx	2lx
Footcand.	371fcd	93fcd	41fcd	23fcd	15fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,3m	12,4m	16,5m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,1ft	33,9ft	40,7ft	54,3ft	67,8ft

LINEAR DISTRIBUTION DIAGRAM

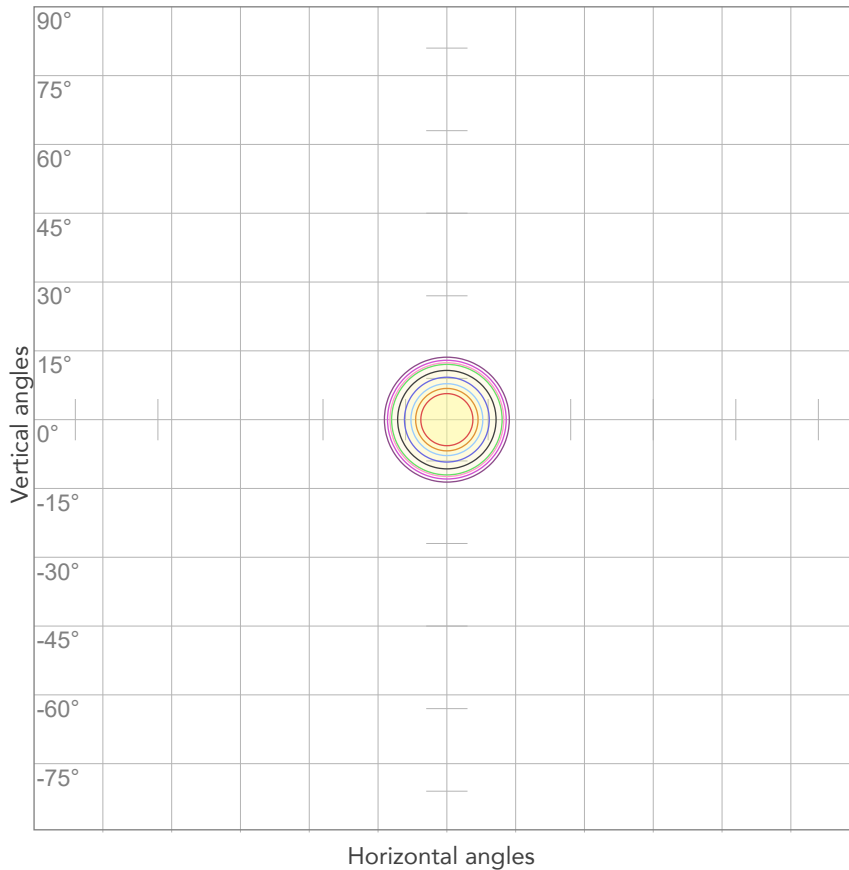


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,219A	49,3W	0,86	11lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



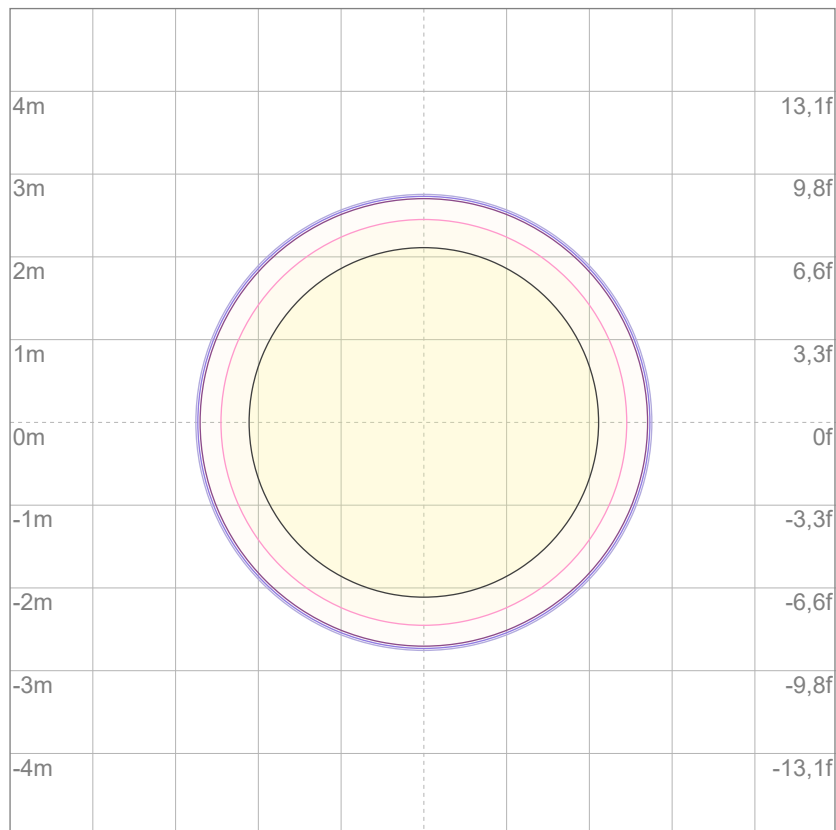
10%	399 cd
20%	798 cd
30%	1197 cd
40%	1596 cd
50%	1995 cd
60%	2394 cd
70%	2793 cd
80%	3192 cd

Conditions:

Number of c-planes: 2

Candela at center: 3990 cd

ISO LUX DIAGRAM



3%	1,20 lx
5%	1,99 lx
10%	3,99 lx
30%	12,0 lx
50%	19,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 39,9 lx

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



Total lumen output:

557 lm

Peak candela output:

1771 cd

Light quality:

CRI: 37,8

Color temperature:

3229 K

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 50° MFX100LWTM

Target:

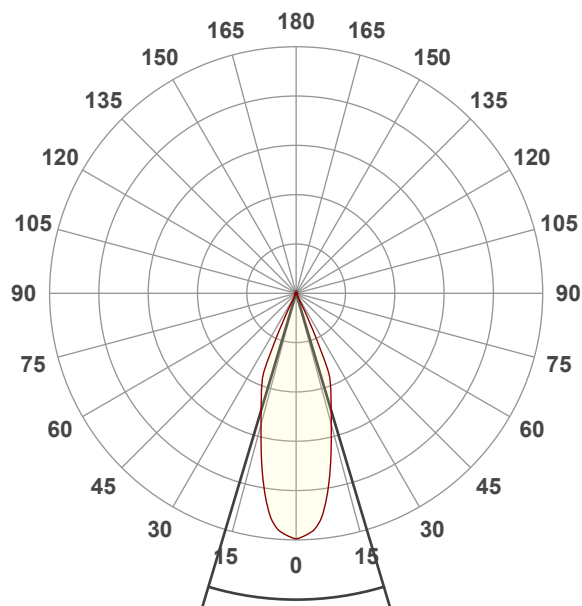
3200K

Operator:

Salvatore Giglio

Date and time:

29/08/2024 12:47:25

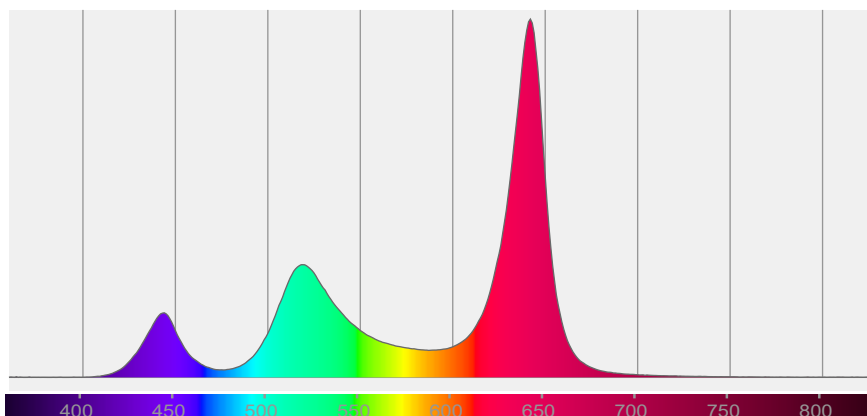


Beam angle 50%: 33,3°

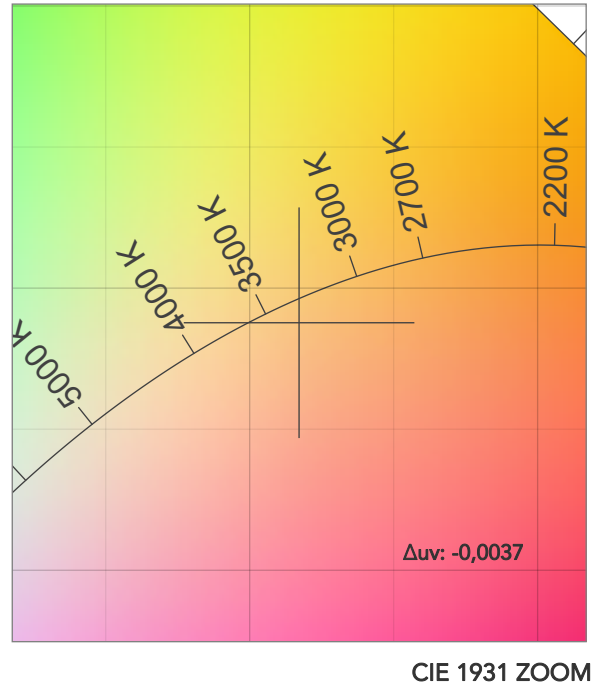
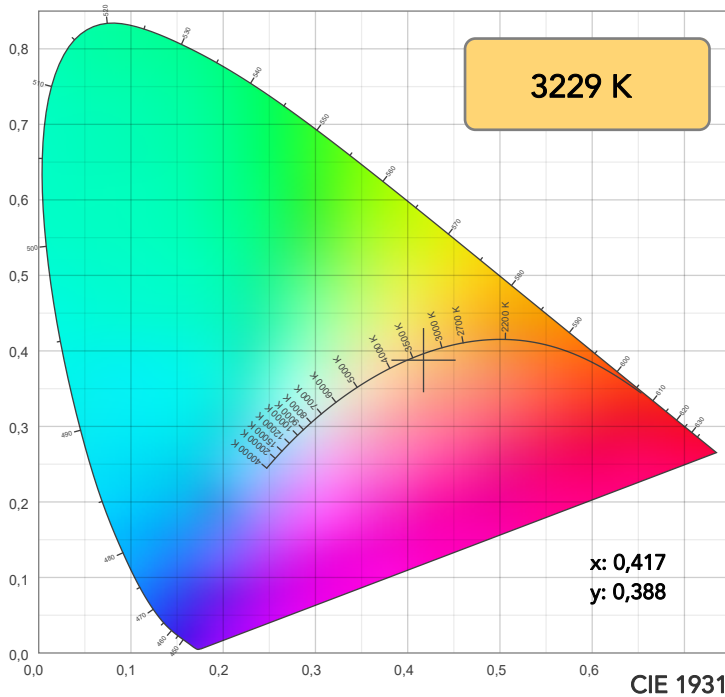
Field angle 10%: 51°

Cut off angle 2.5%: 54,4°

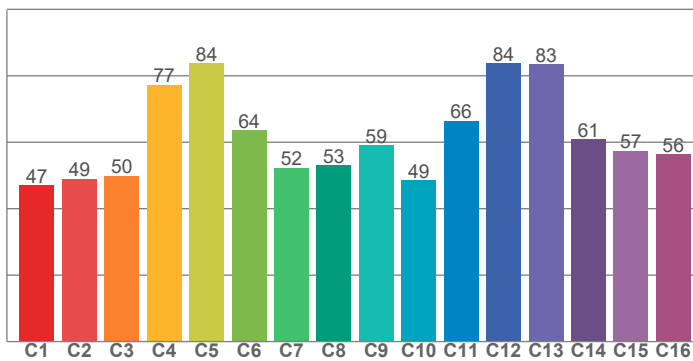
Spectra



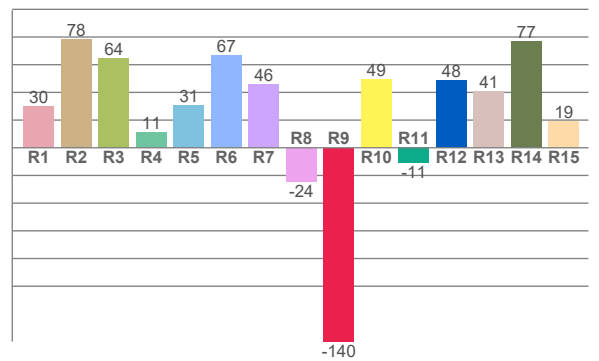
COLOR DETAILS



TM30: 62,2



CRI: 37,8 (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
29,8	78,1	64,3	11,3	30,6	66,9	46,0	-24,4	-140,0	49,3	-10,9	48,4	40,8	77,1	19,2

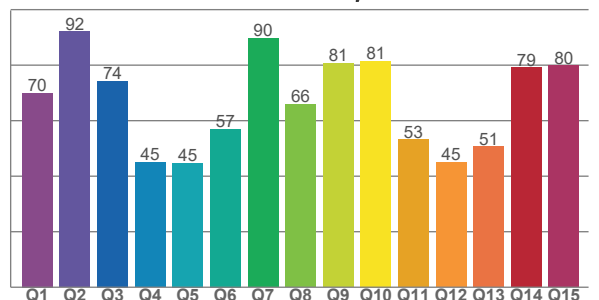
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
47,0	48,9	49,8	77,2	83,7	63,6	52,2	53,1	59,0	48,5	66,4	83,7	83,5	60,8	57,3	56,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
70,0	92,2	74,2	45,0	44,7	57,1	89,7	65,9	80,7	81,5	53,2	45,0	50,7	79,1	79,9

CQS: 63,3



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
3229 K	37,8	-140,0	62,2	124,8	63,3	23	0,417	0,388	-0,0037

TM30 DETAILS

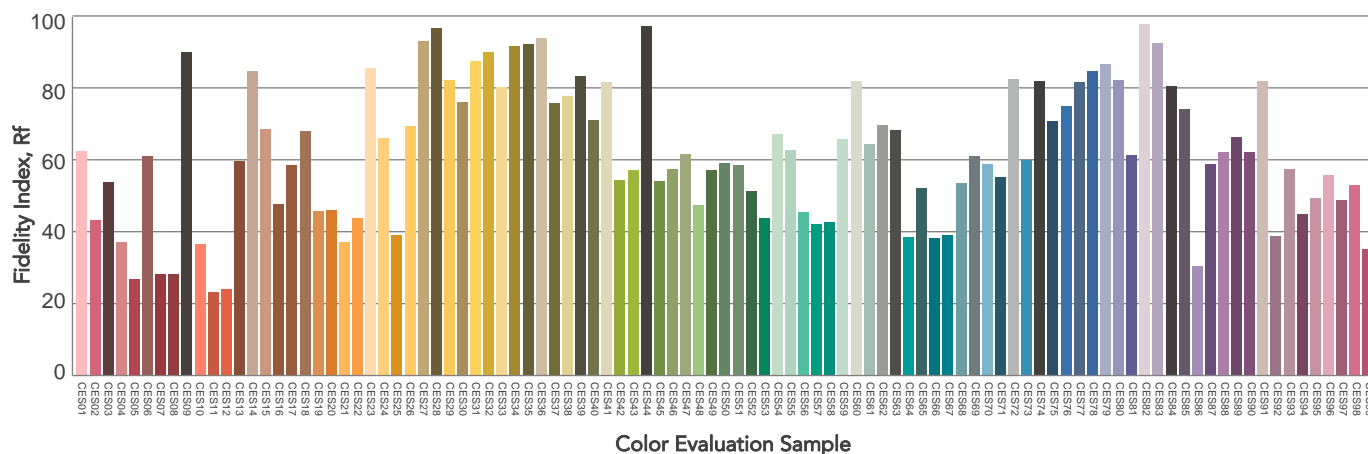
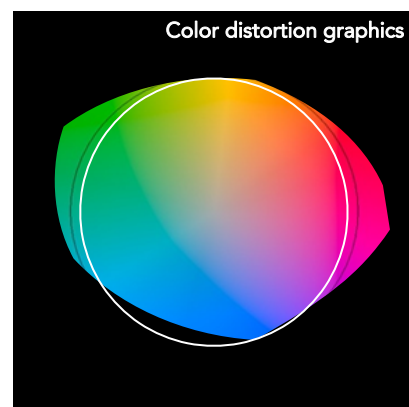
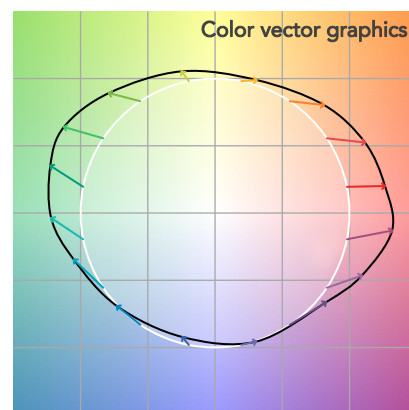
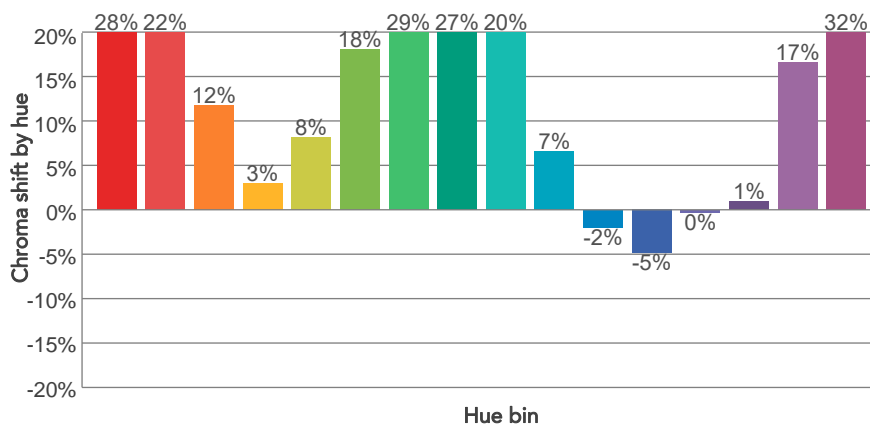
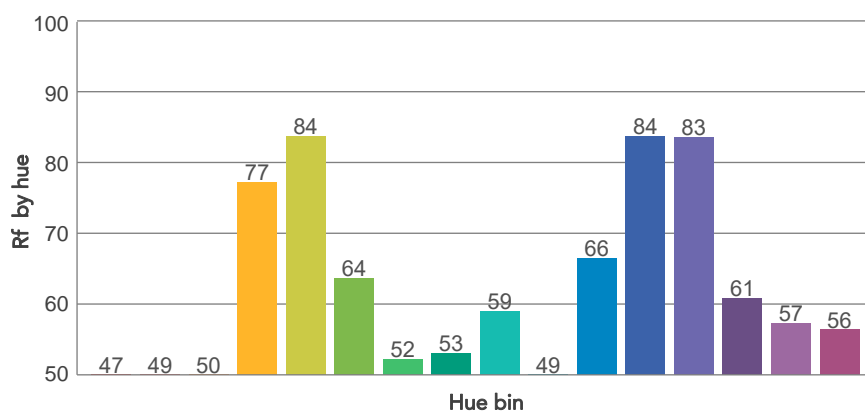
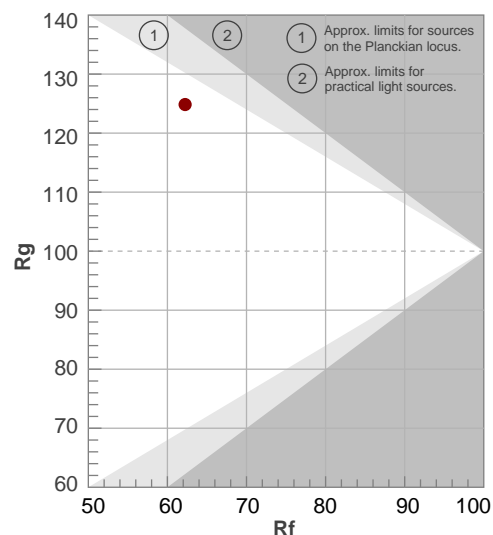
Rf 62,2

Fidelity index Rf

Rg 124,8

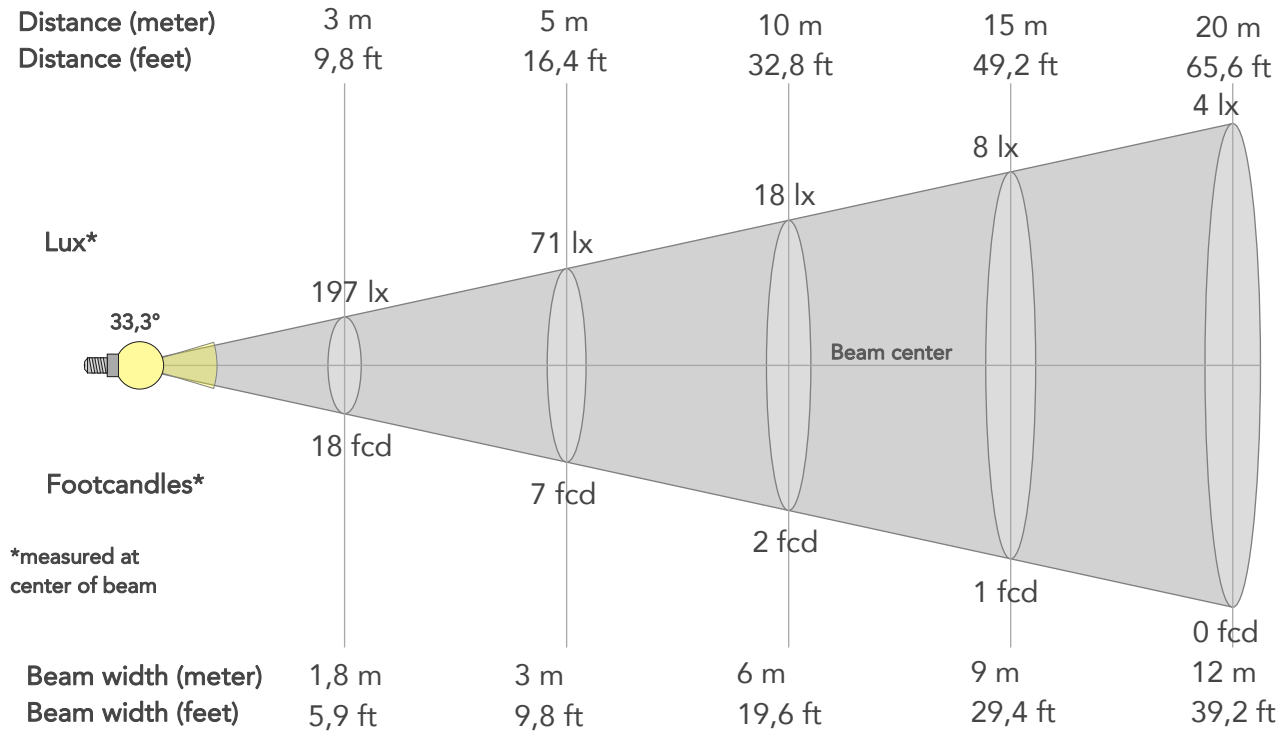
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	47	28%	-5%
2	49	22%	-18%
3	50	12%	-23%
4	77	3%	-11%
5	84	8%	4%
6	64	18%	16%
7	52	29%	9%
8	53	27%	-11%
9	59	20%	-20%
10	49	7%	-30%
11	66	-2%	-22%
12	84	-5%	-6%
13	83	0%	11%
14	61	1%	32%
15	57	17%	22%
16	56	32%	13%



BEAM DETAILS

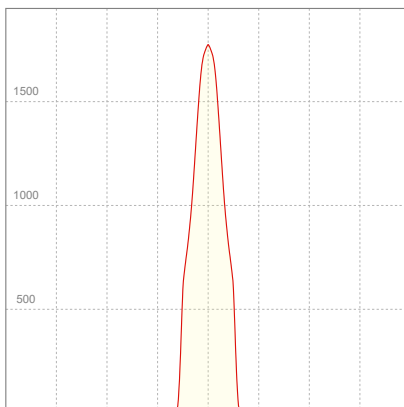
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,3°	51°	54,4°	99,4%	99,3%



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	1771lx	443lx	197lx	111lx	71lx	31lx	18lx	8lx	4lx	3lx	2lx	1lx	1lx
Footcand.	165fcd	41fcd	18fcd	10fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	14,9m	17,9m	23,9m	29,9m
Beam wid.	2ft	3,9ft	5,9ft	7,8ft	9,8ft	14,7ft	19,6ft	29,4ft	39,2ft	49ft	58,8ft	78,5ft	98,1ft

LINEAR DISTRIBUTION DIAGRAM

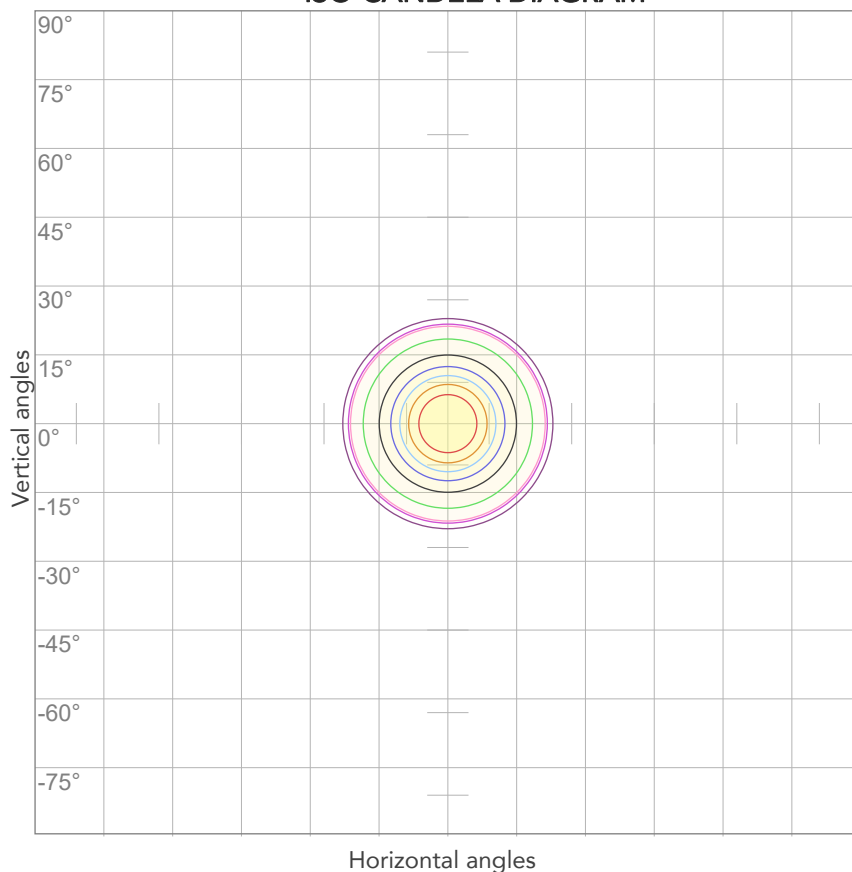


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,257A	49,6W	0,86	11lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



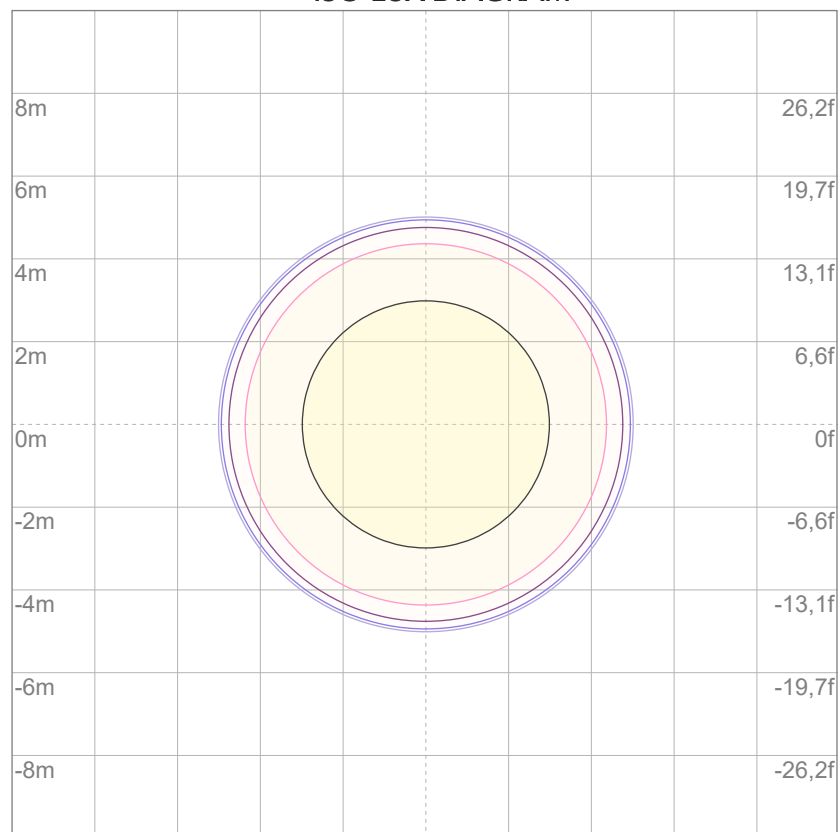
10%	177 cd
20%	354 cd
30%	531 cd
40%	709 cd
50%	886 cd
60%	1063 cd
70%	1240 cd
80%	1417 cd

Conditions:

Number of c-planes: 2

Candela at center: 1771 cd

ISO LUX DIAGRAM



3%	0,531 lx
5%	0,886 lx
10%	1,77 lx
30%	5,31 lx
50%	8,86 lx

Conditions:

Number of c-planes: 2

Lux at center: 17,7 lx

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



Total lumen output:

381 lm

Peak candela output:

823 cd

Light quality:

CRI: 38,7

Color temperature:

3256 K

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 70° MFX100LWGVW

Target:

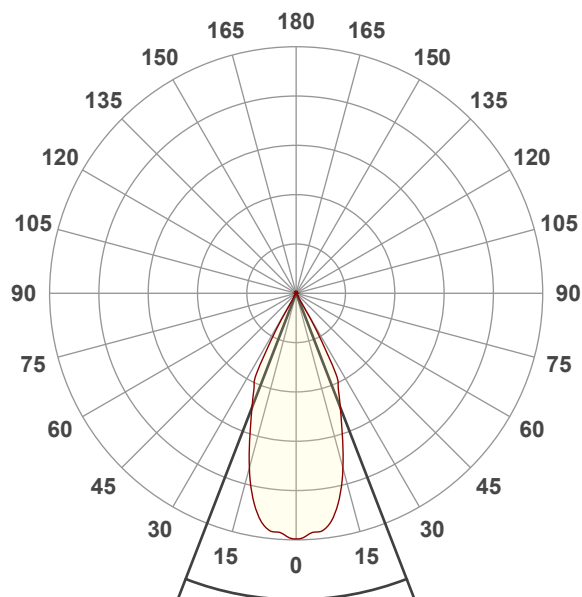
3200K

Operator:

Salvatore Giglio

Date and time:

29/08/2024 16:42:50

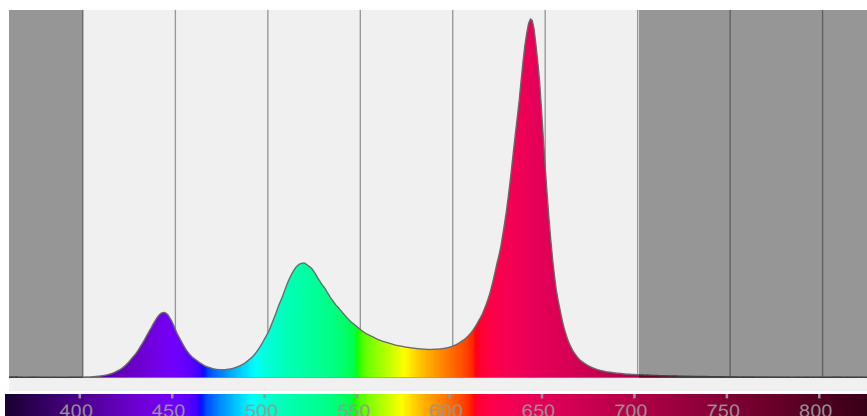


Beam angle 50%: 42,3°

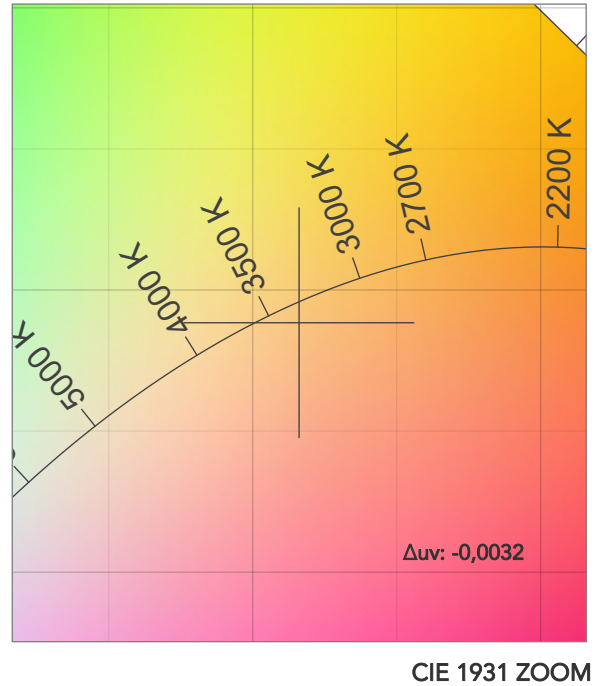
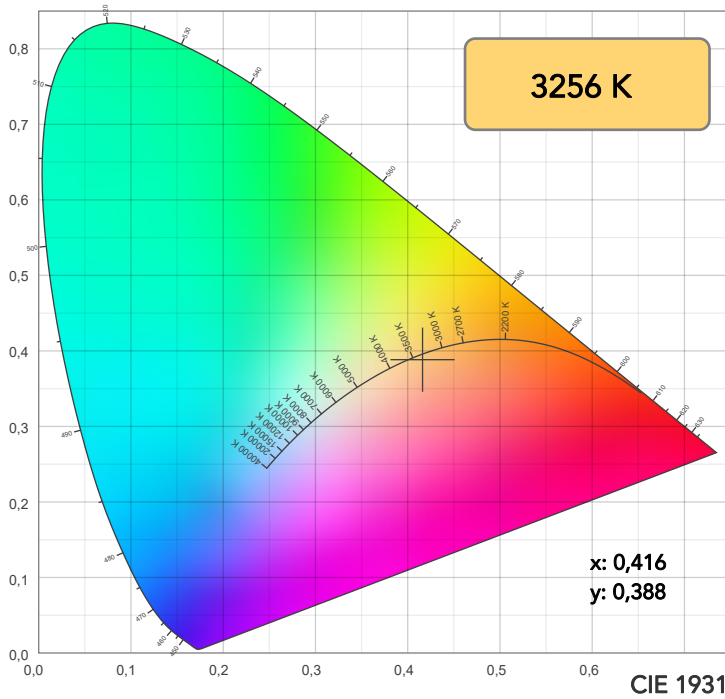
Field angle 10%: 59,6°

Cut off angle 2.5%: 61,9°

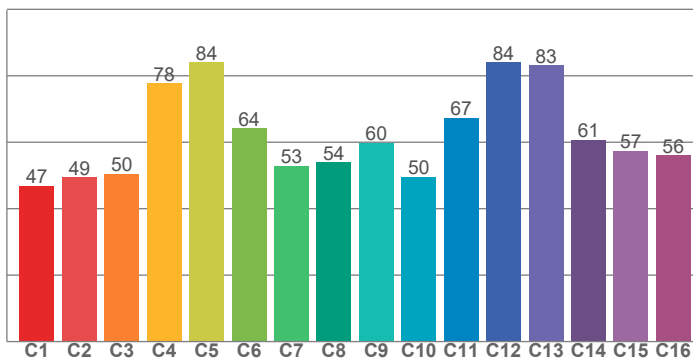
Spectra



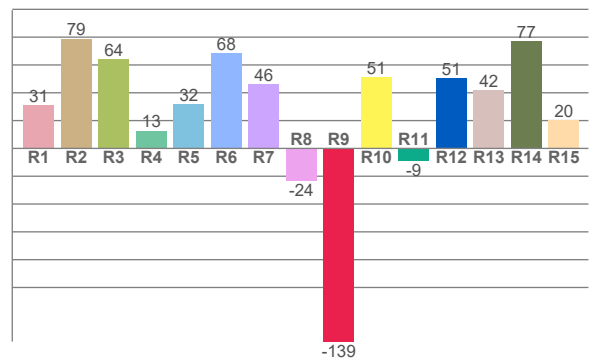
COLOR DETAILS



TM30: 62,7



CRI: 38,7 (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
30,9	78,8	64,2	12,6	32,0	68,2	46,1	-23,5	-138,9	51,0	-9,0	50,5	42,0	77,0	20,1

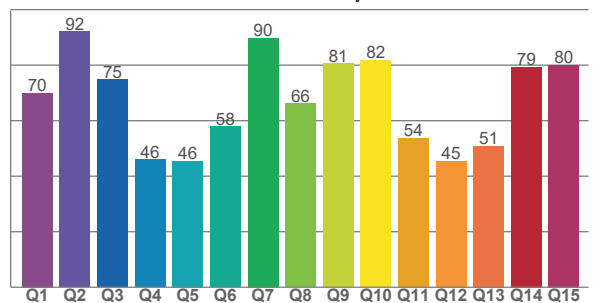
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
46,8	49,4	50,4	77,7	84,1	64,1	52,9	53,9	59,7	49,6	67,3	84,0	83,1	60,8	57,5	56,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
70,0	92,1	74,9	45,9	45,5	57,8	89,7	66,1	80,6	81,7	53,7	45,4	50,9	79,3	80,0

CQS: 63,7



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3256 K	38,7	-138,9	62,7	124,4	63,7	23	0,416	0,388	-0,0032

TM30 DETAILS

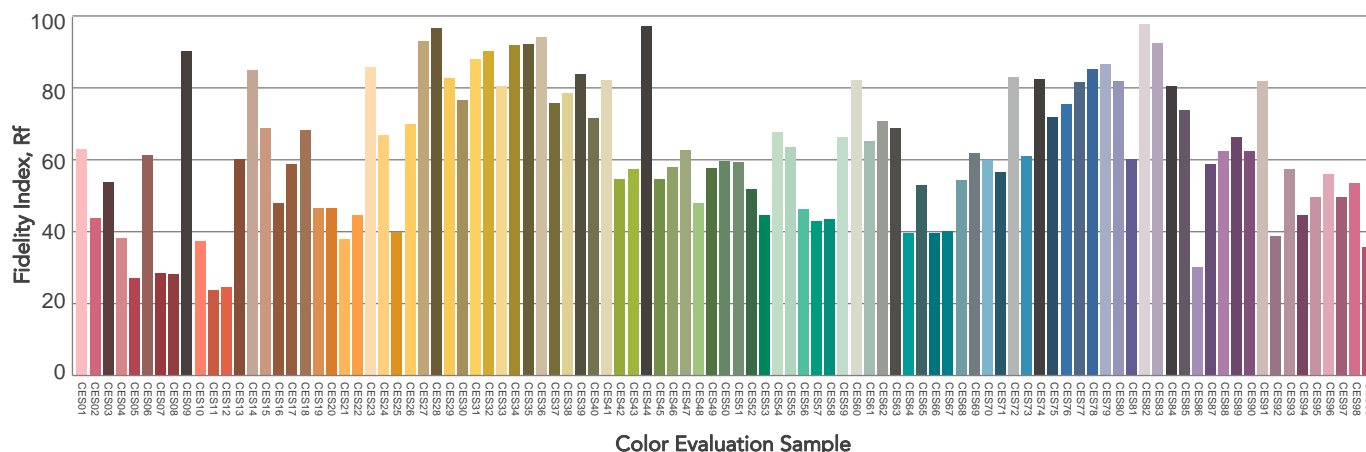
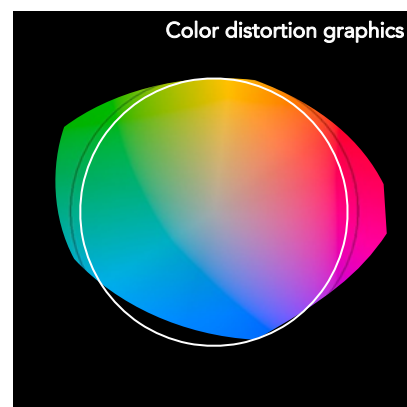
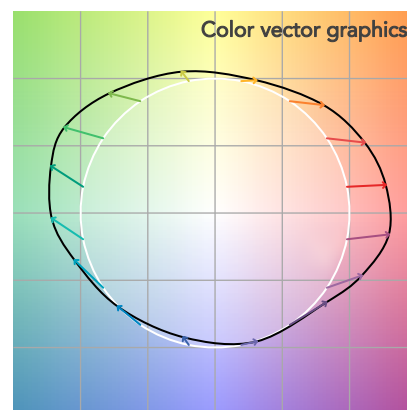
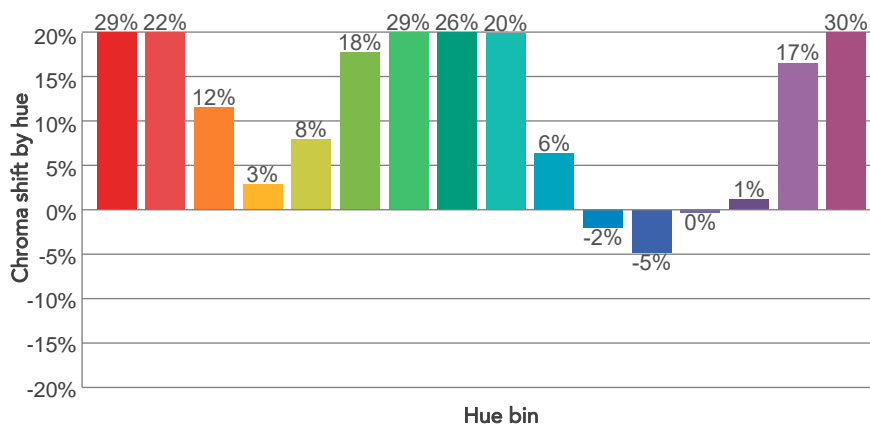
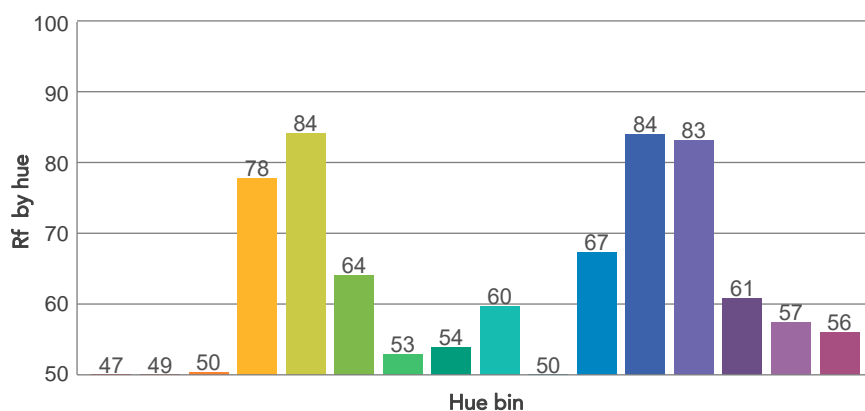
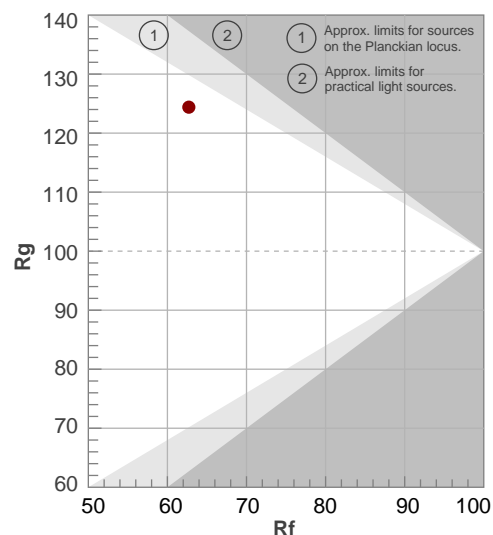
Rf 62,7

Fidelity index Rf

Rg 124,4

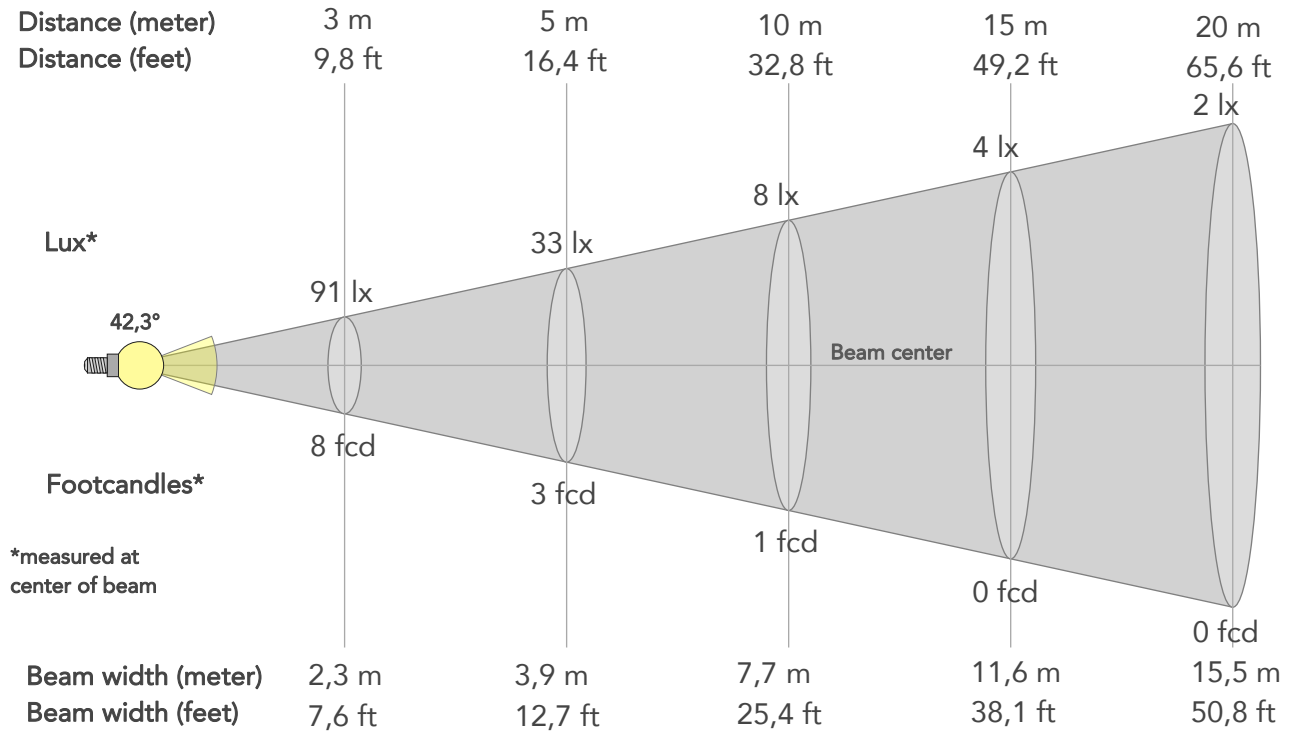
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	47	29%	-4%
2	49	22%	-18%
3	50	12%	-22%
4	78	3%	-11%
5	84	8%	4%
6	64	18%	16%
7	53	29%	9%
8	54	26%	-10%
9	60	20%	-20%
10	50	6%	-29%
11	67	-2%	-22%
12	84	-5%	-5%
13	83	0%	12%
14	61	1%	32%
15	57	17%	22%
16	56	30%	10%



BEAM DETAILS

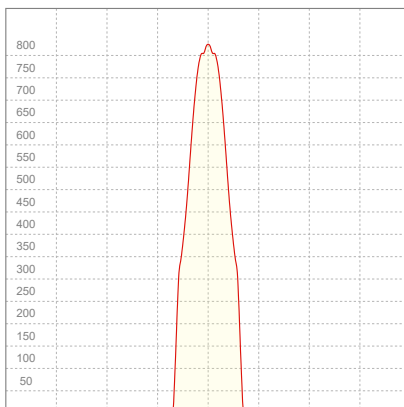
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
42,3°	59,6°	61,9°	99,5%	99,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	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.	0,8m	1,5m	2,3m	3,1m	3,9m	5,8m	7,7m	11,6m	15,5m	19,3m	23,2m	30,9m	38,7m
Beam wid.	2,6ft	5,1ft	7,6ft	10,1ft	12,7ft	19ft	25,4ft	38,1ft	50,8ft	63,4ft	76,1ft	101,5ft	126,9ft

LINEAR DISTRIBUTION DIAGRAM

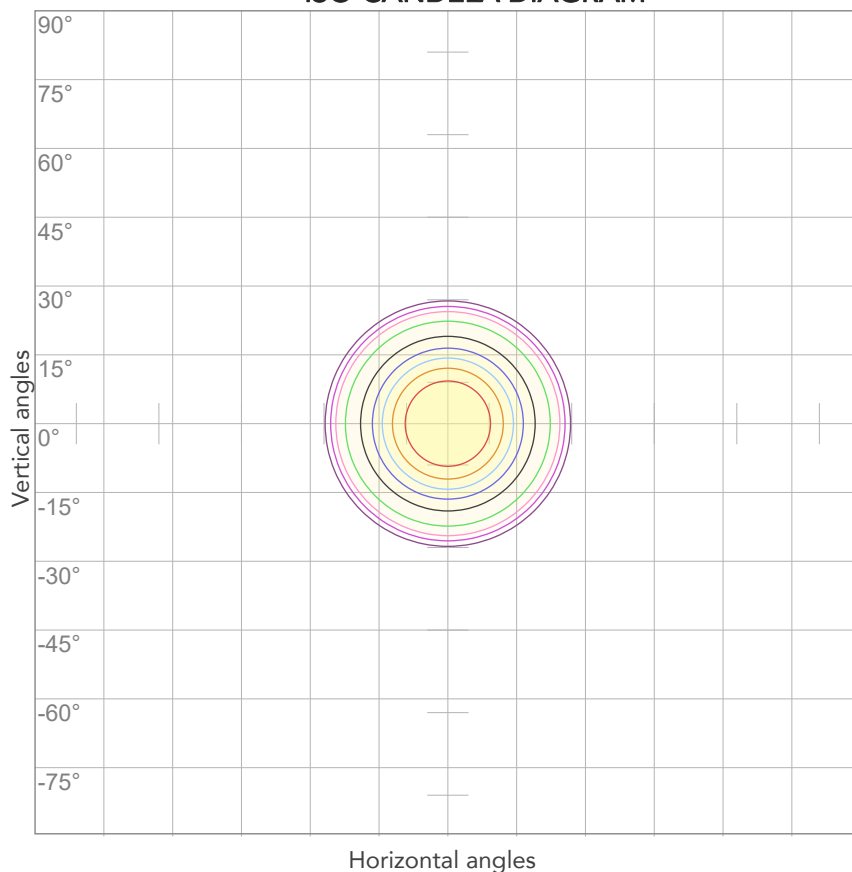


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
223V	0,266A	50,7W	0,85	8lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



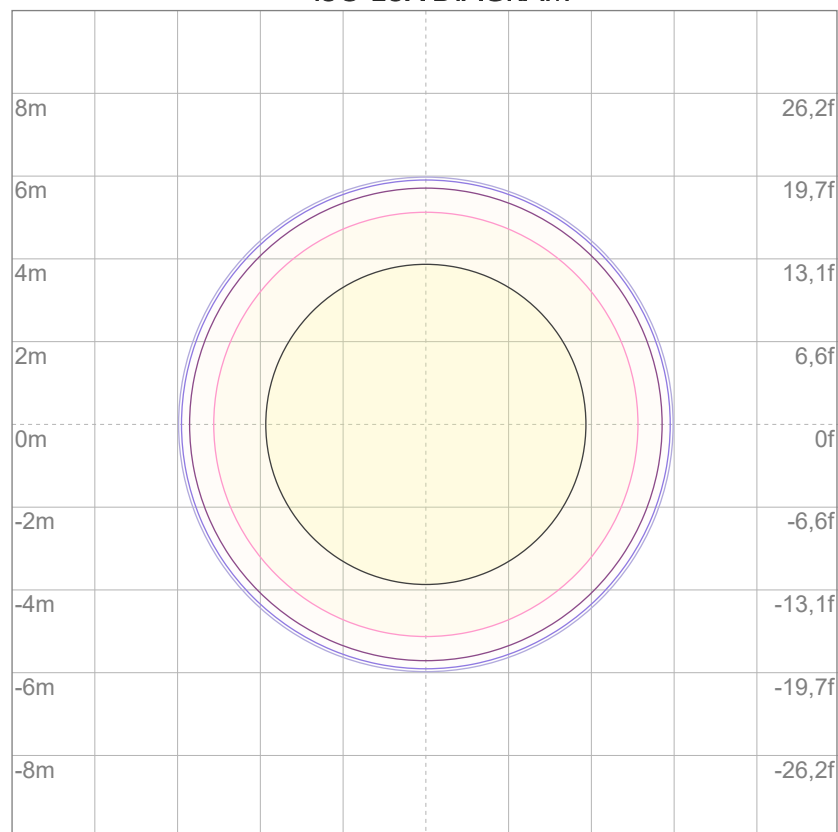
10%	82 cd
20%	165 cd
30%	247 cd
40%	329 cd
50%	411 cd
60%	494 cd
70%	576 cd
80%	658 cd

Conditions:

Number of c-planes: 2

Candela at center: 823 cd

ISO LUX DIAGRAM



3%	0,247 lx
5%	0,411 lx
10%	0,823 lx
30%	2,47 lx
50%	4,11 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:

486 lm

Peak candela output:

1718 cd

Light quality:

CRI: 39,9

Color temperature:

3363 K

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 30° MFX100LGBM

Target:

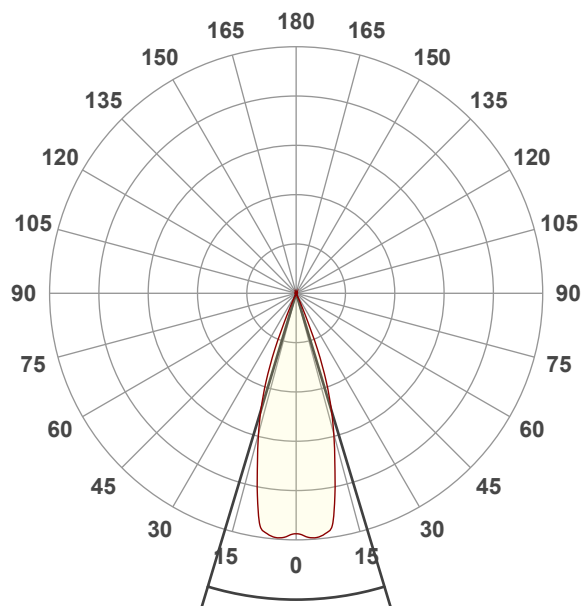
3200K

Operator:

Salvatore Giglio

Date and time:

30/08/2024 12:29:01

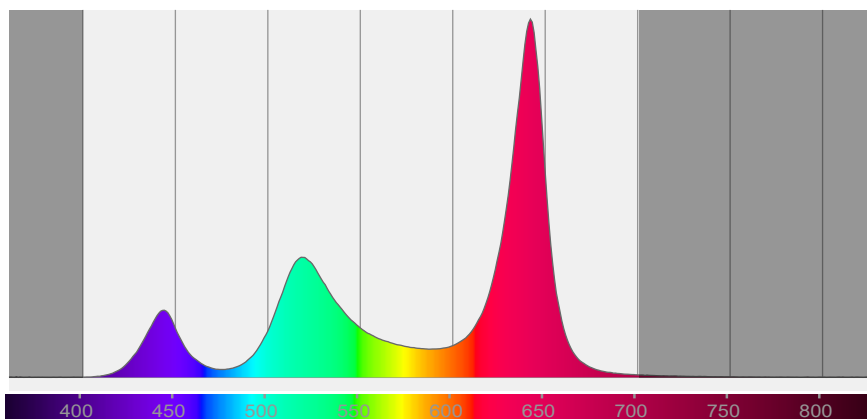


Beam angle 50%: 33,5°

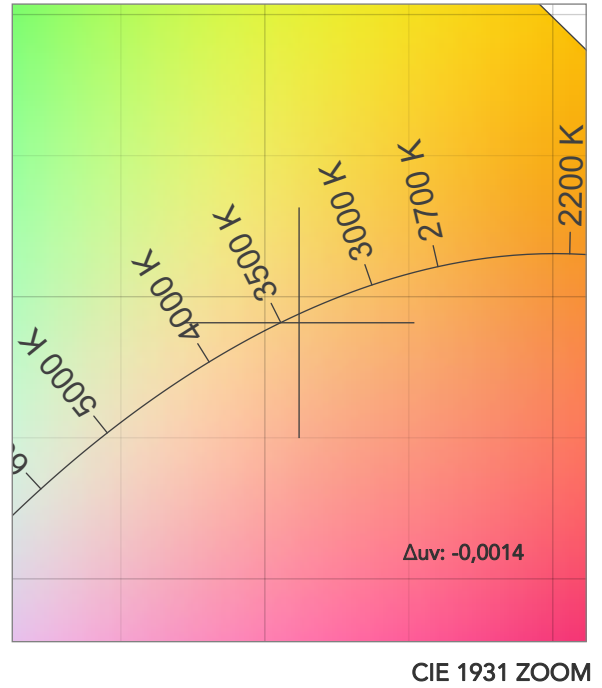
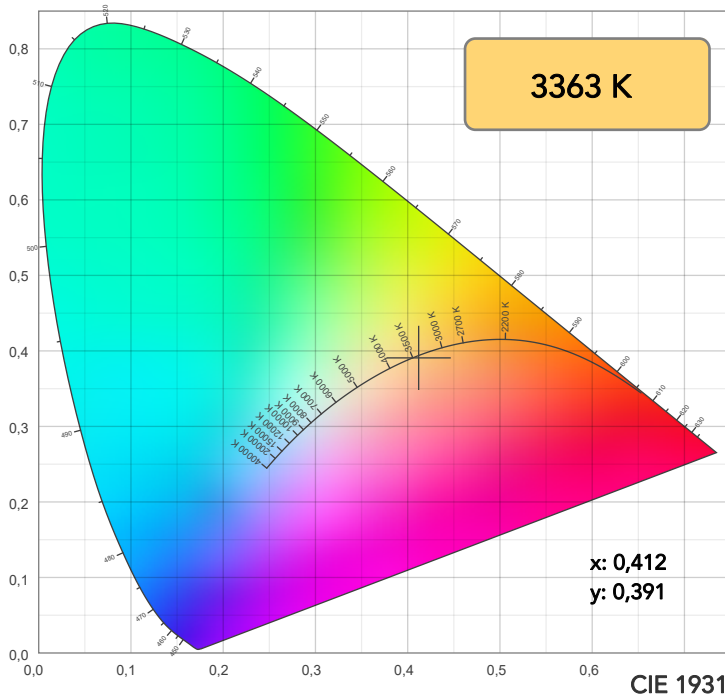
Field angle 10%: 45,5°

Cut off angle 2.5%: 49,1°

Spectra

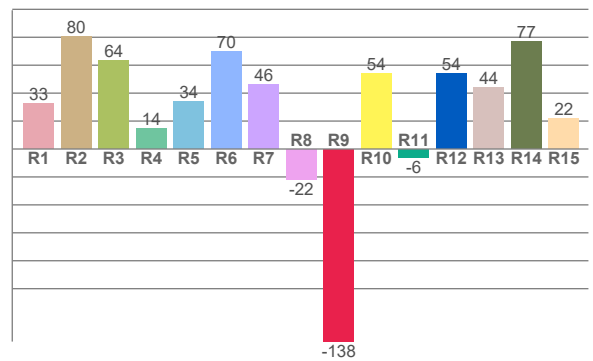
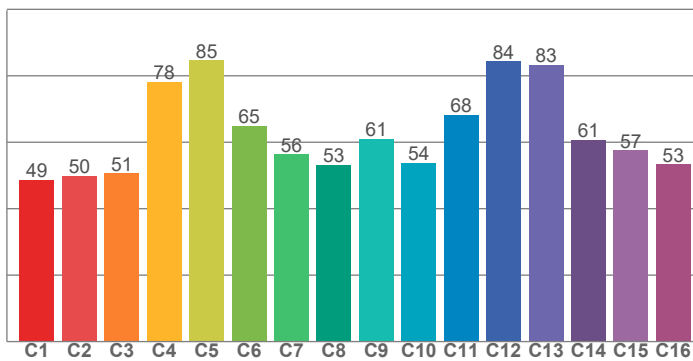


COLOR DETAILS



TM30: 63,4

CRI: 39,9 (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
32,6	80,3	63,7	14,4	34,3	70,1	46,2	-22,1	-137,9	54,0	-6,3	54,1	44,0	76,9	21,8

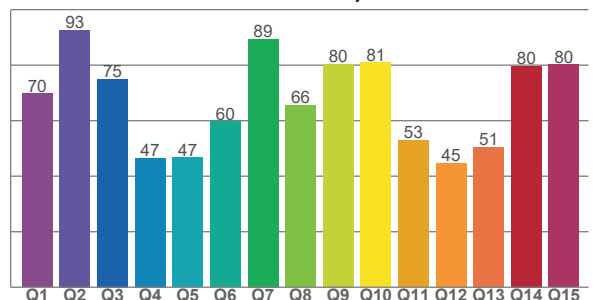
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
48,6	49,8	50,7	78,1	84,7	65,0	56,4	53,3	60,9	53,8	68,2	84,4	83,2	60,6	57,5	53,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
69,8	92,7	75,0	46,6	46,7	59,6	89,4	65,5	80,4	80,9	52,9	44,7	50,5	79,8	80,3

CQS: 63,9



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
3363 K	39,9	-137,9	63,4	123,9	63,9	23	0,412	0,391	-0,0014

TM30 DETAILS

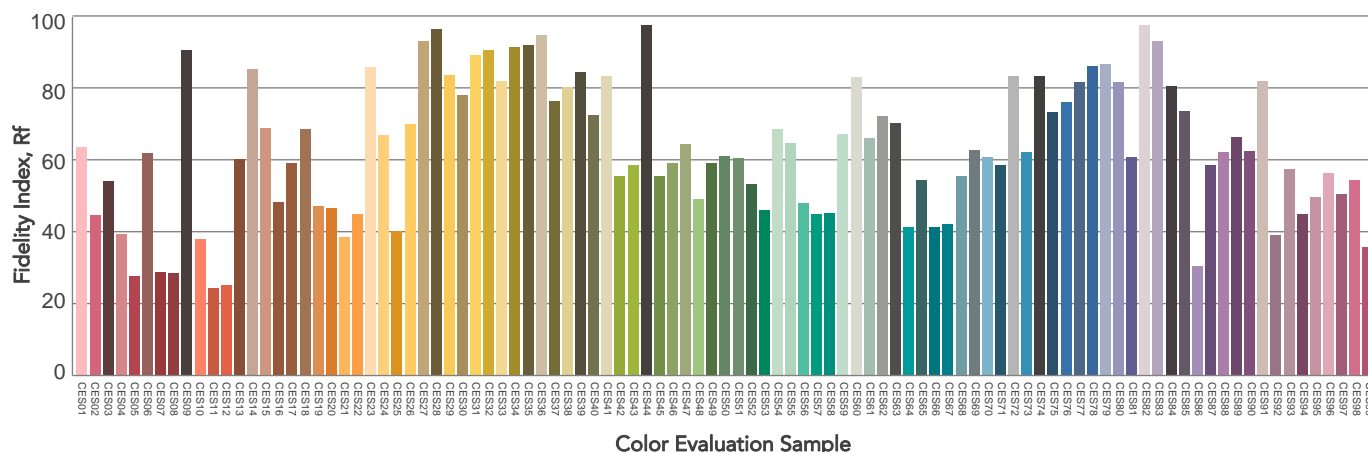
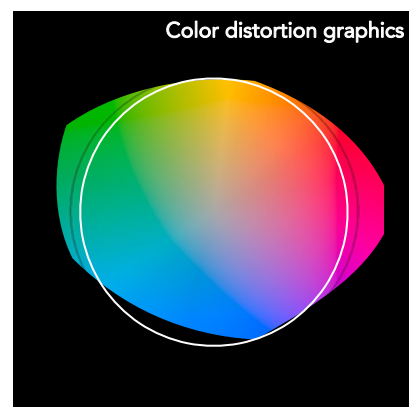
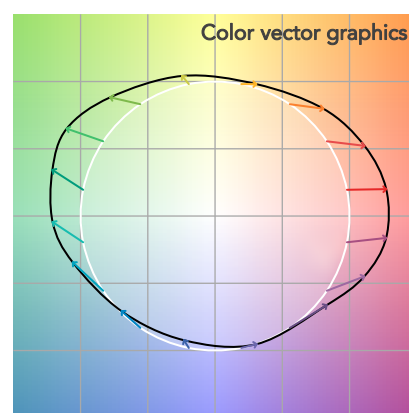
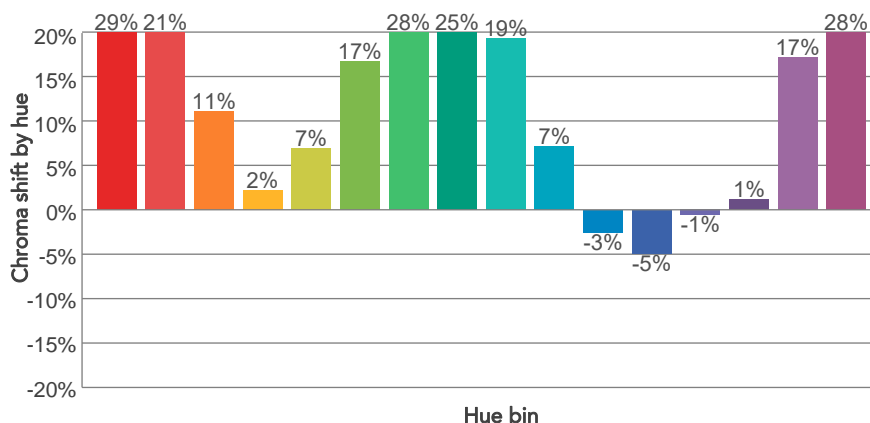
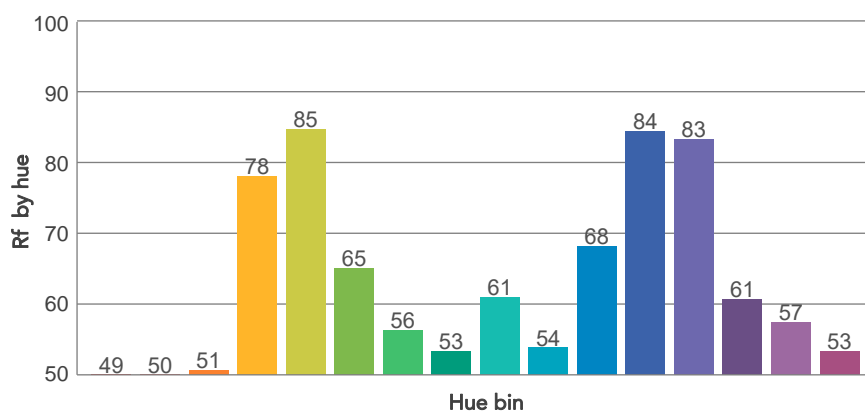
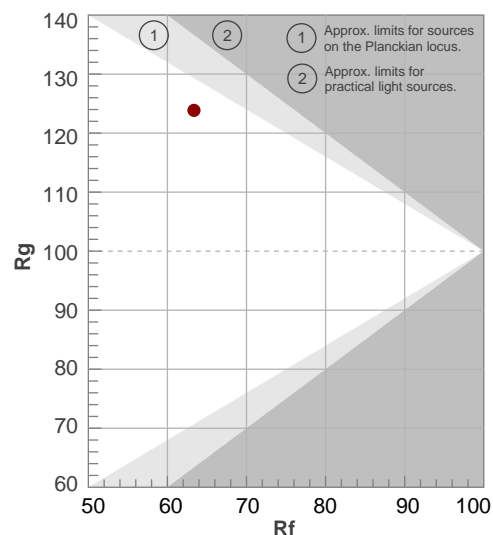
Rf 63,4

Fidelity index Rf

Rg 123,9

Gammut index

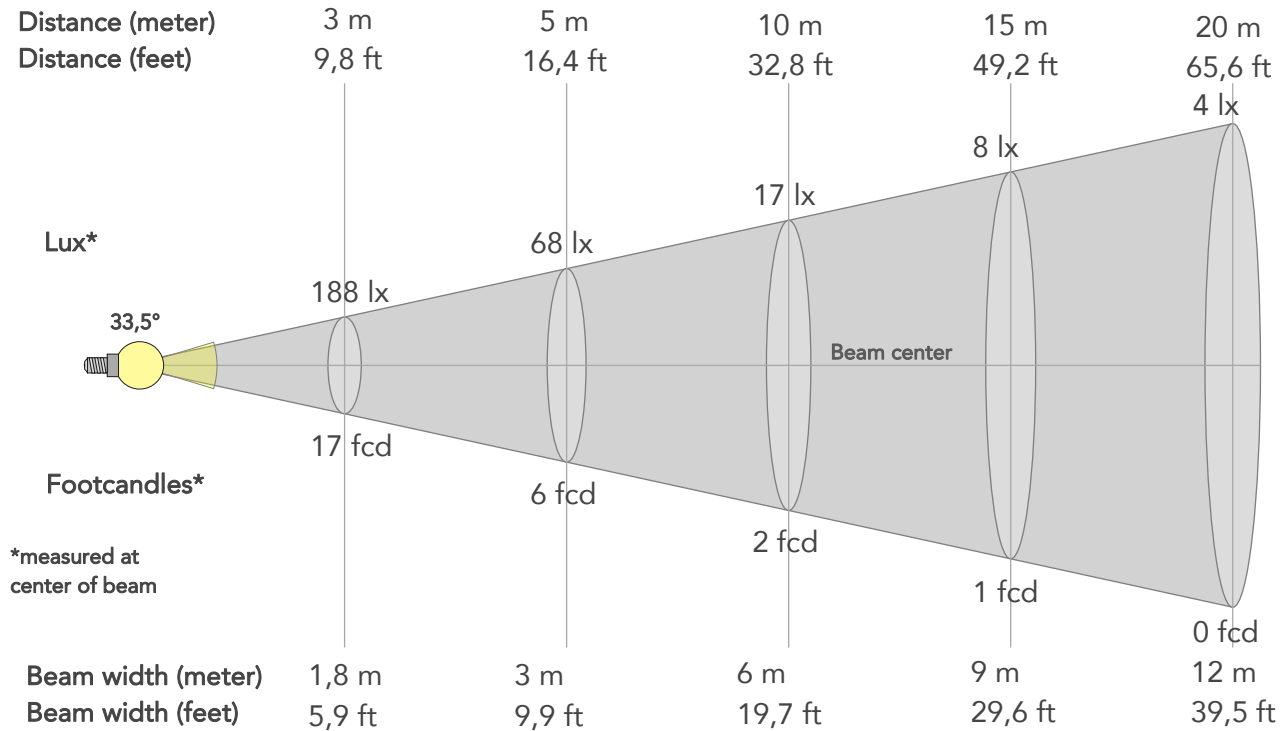
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	49	29%	-5%
2	50	21%	-18%
3	51	11%	-23%
4	78	2%	-11%
5	85	7%	4%
6	65	17%	16%
7	56	28%	7%
8	53	25%	-10%
9	61	19%	-19%
10	54	7%	-30%
11	68	-3%	-18%
12	84	-5%	-5%
13	83	-1%	12%
14	61	1%	32%
15	57	17%	24%
16	53	28%	9%



BEAM DETAILS



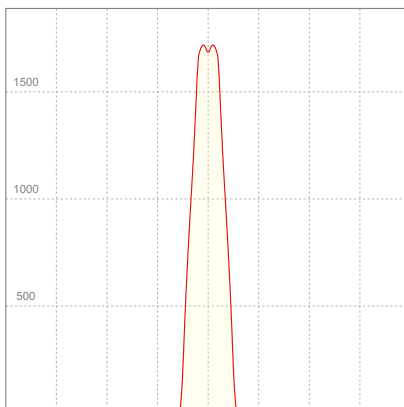
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,5°	45,5°	49,1°	99,4%	99,3%



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	1688lx	422lx	188lx	106lx	68lx	30lx	17lx	8lx	4lx	3lx	2lx	1lx	1lx
Footcand.	157fcd	39fcd	17fcd	10fcd	6fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15,1m	18,1m	24,1m	30,1m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,8ft	19,7ft	29,6ft	39,5ft	49,4ft	59,2ft	79ft	98,7ft

LINEAR DISTRIBUTION DIAGRAM

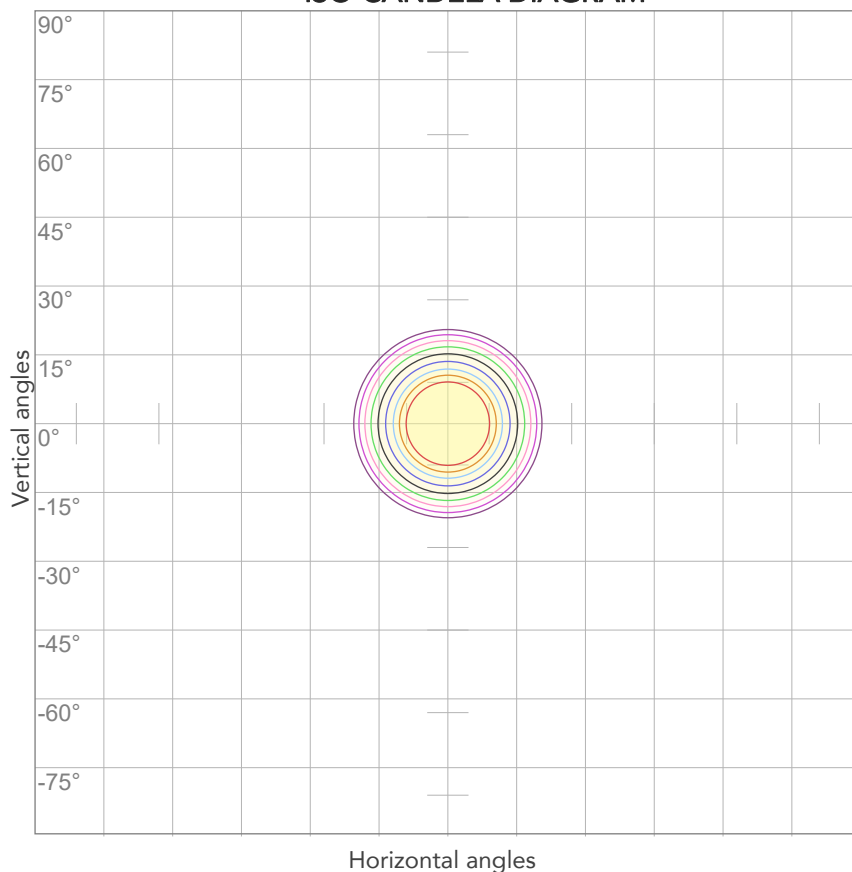


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,225A	50,8W	0,86	10lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



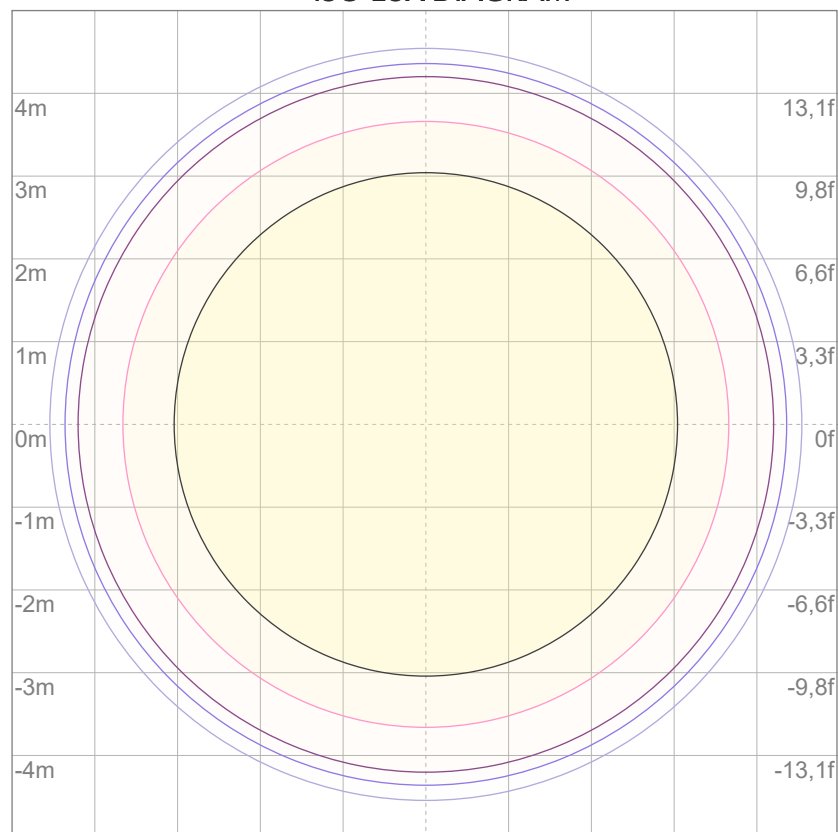
10%	169 cd
20%	338 cd
30%	506 cd
40%	675 cd
50%	844 cd
60%	1013 cd
70%	1182 cd
80%	1351 cd

Conditions:

Number of c-planes: 2

Candela at center: 1688 cd

ISO LUX DIAGRAM



3%	0,506 lx
5%	0,844 lx
10%	1,69 lx
30%	5,06 lx
50%	8,44 lx

Conditions:

Number of c-planes: 2

Lux at center: 16,9 lx

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



Total lumen output:

381 lm

Peak candela output:

796 cd

Light quality:

CRI: 38,1

Color temperature:

3258 K

PRODUCT NAME:

Mosaico FX100 FC

MEASUREMENT CONDITIONS:

Beam angle:

Optic 50° MFX100LGBW

Target:

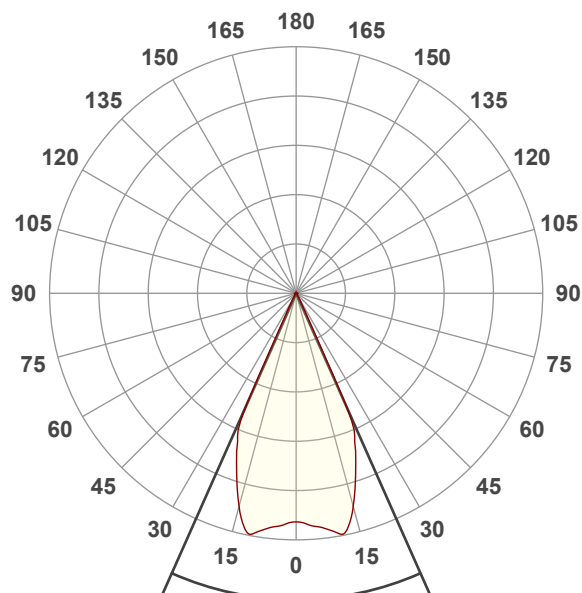
3200K

Operator:

Salvatore Giglio

Date and time:

29/08/2024 16:20:57

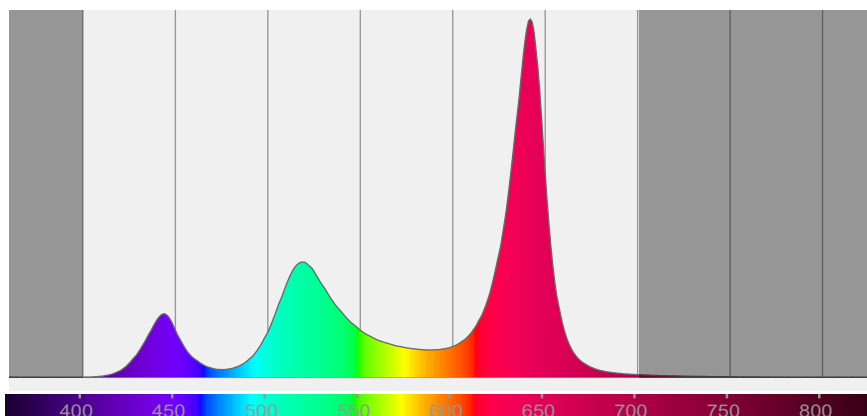


Beam angle 50%: 47,9°

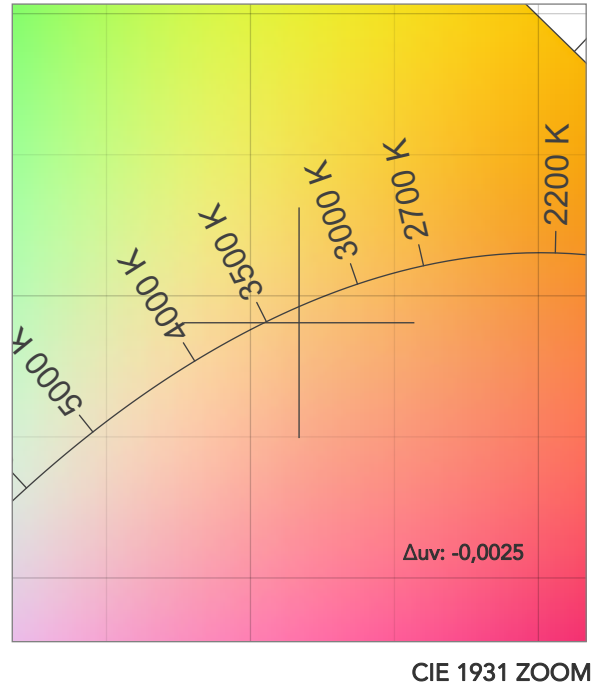
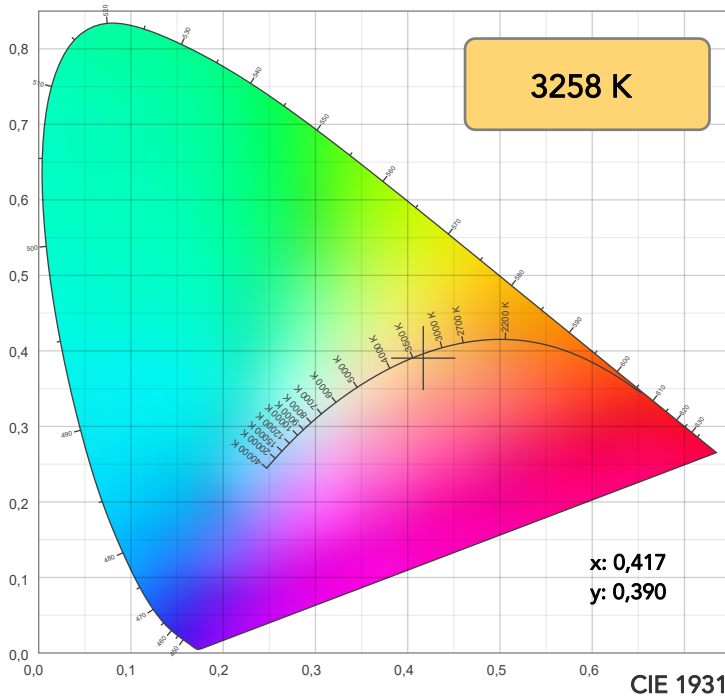
Field angle 10%: 52,3°

Cut off angle 2.5%: 56°

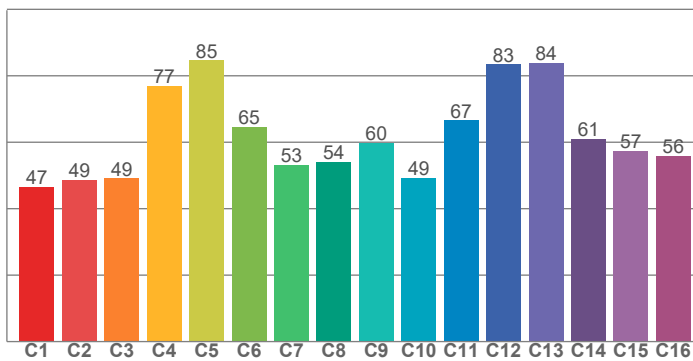
Spectra



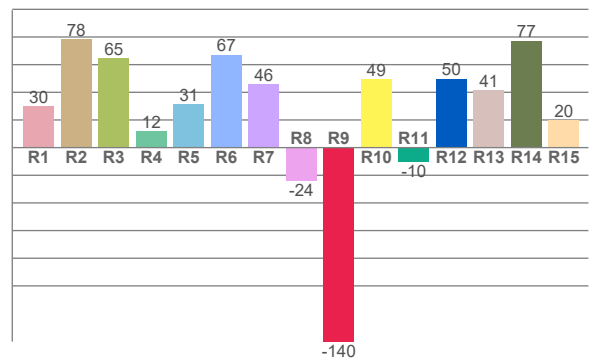
COLOR DETAILS



TM30: 62,6



CRI: 38,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
30,1	78,3	64,7	12,0	31,2	67,2	46,0	-24,2	-140,3	49,4	-10,1	49,7	41,3	77,3	19,7

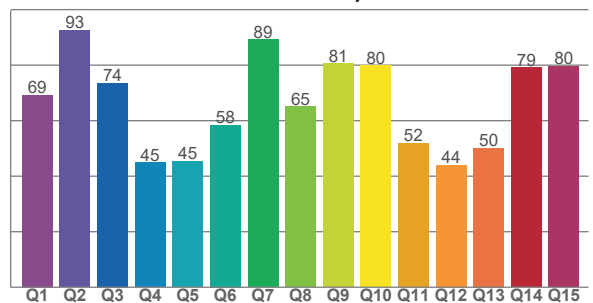
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
46,6	48,8	49,1	77,0	84,6	64,6	53,3	54,1	59,8	49,4	66,6	83,5	83,9	61,0	57,5	55,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
69,2	92,6	73,6	44,9	45,4	58,4	89,2	65,0	80,5	79,9	52,0	44,0	50,1	79,1	79,6

CQS: 63,0



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
3258 K	38,1	-140,3	62,6	123,9	63,0	23	0,417	0,390	-0,0025

TM30 DETAILS

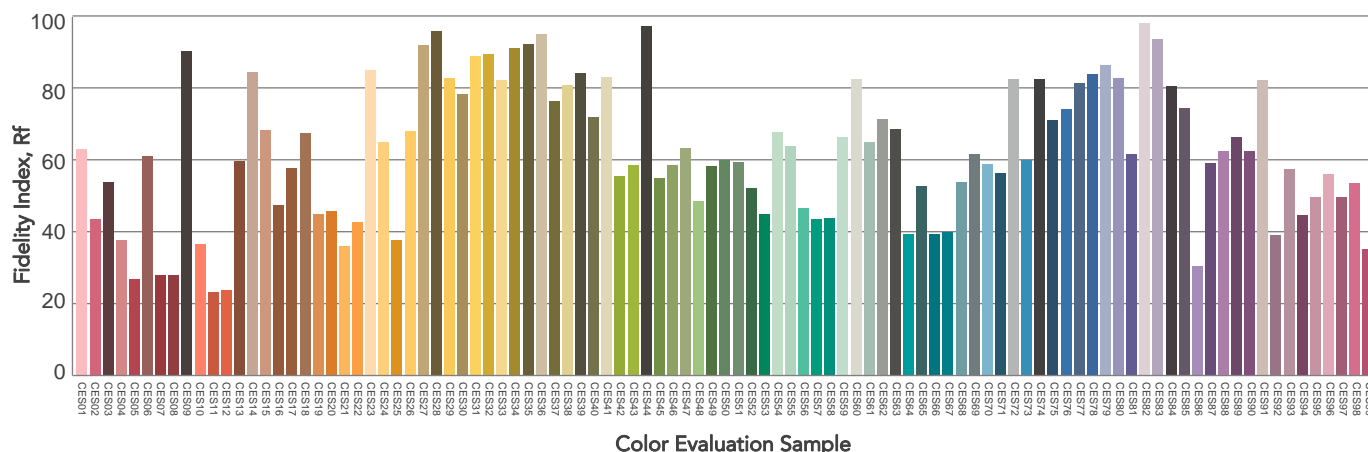
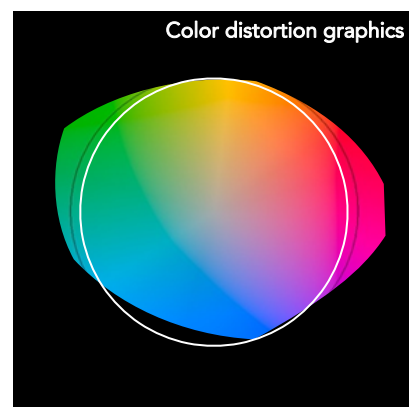
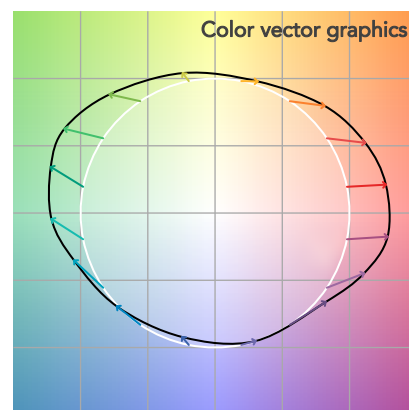
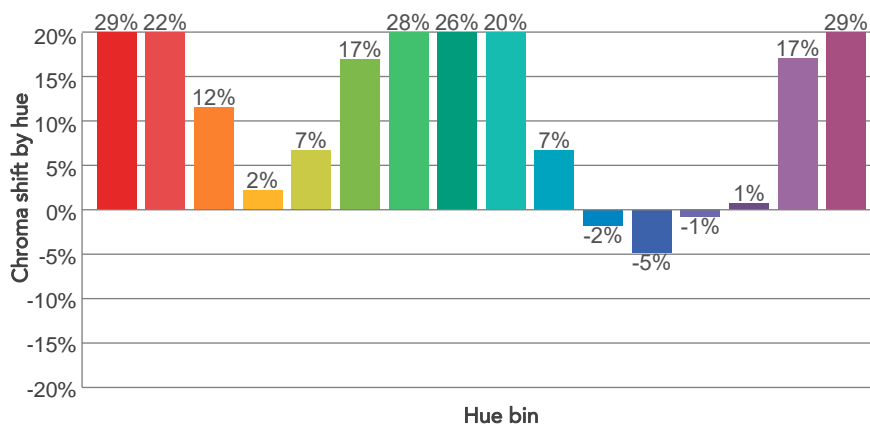
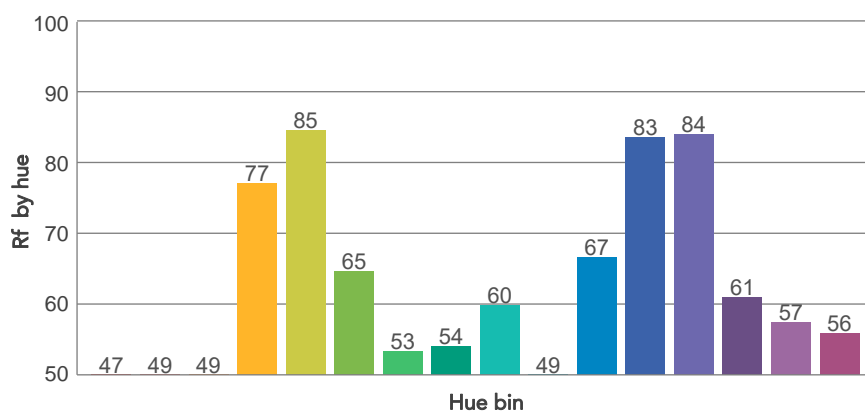
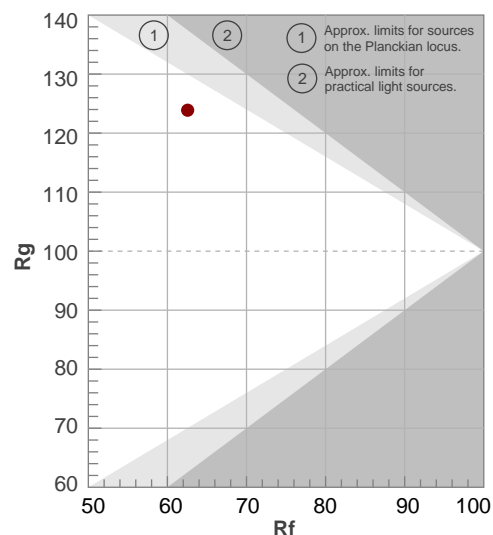
Rf 62,6

Fidelity index Rf

Rg 123,9

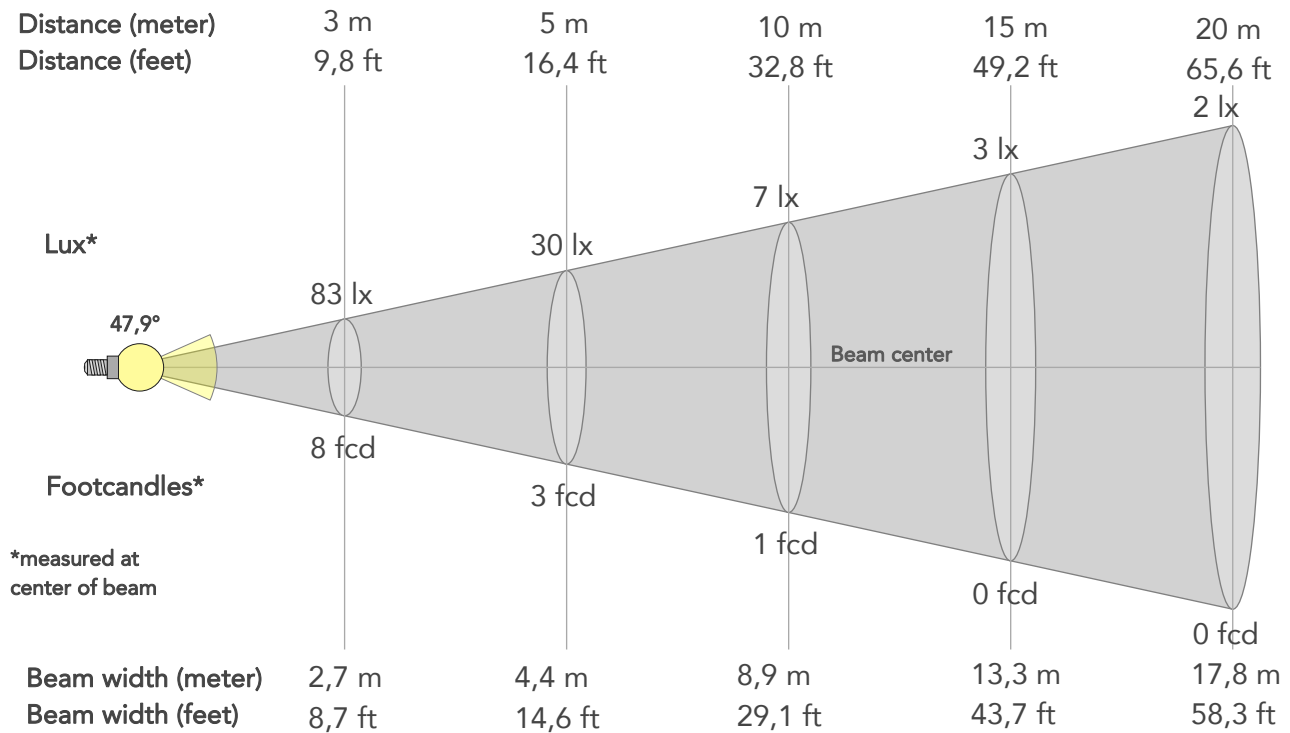
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	47	29%	-4%
2	49	22%	-19%
3	49	12%	-23%
4	77	2%	-12%
5	85	7%	3%
6	65	17%	16%
7	53	28%	10%
8	54	26%	-10%
9	60	20%	-19%
10	49	7%	-29%
11	67	-2%	-22%
12	83	-5%	-6%
13	84	-1%	11%
14	61	1%	32%
15	57	17%	24%
16	56	29%	8%



BEAM DETAILS

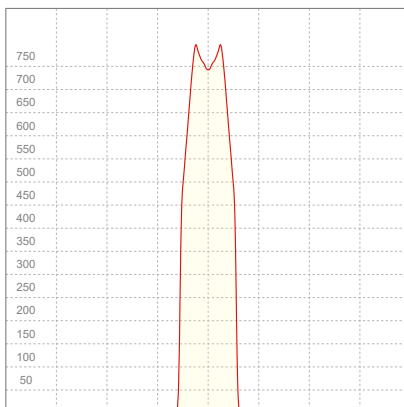
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
47,9°	52,3°	56°	99,6%	99,4%



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	744lx	186lx	83lx	46lx	30lx	13lx	7lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	69fcd	17fcd	8fcd	4fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,8m	2,7m	3,6m	4,4m	6,7m	8,9m	13,3m	17,8m	22,2m	26,7m	35,5m	44,4m
Beam wid.	2,9ft	5,9ft	8,7ft	11,6ft	14,6ft	21,9ft	29,1ft	43,7ft	58,3ft	72,8ft	87,4ft	116,6ft	145,7ft

LINEAR DISTRIBUTION DIAGRAM

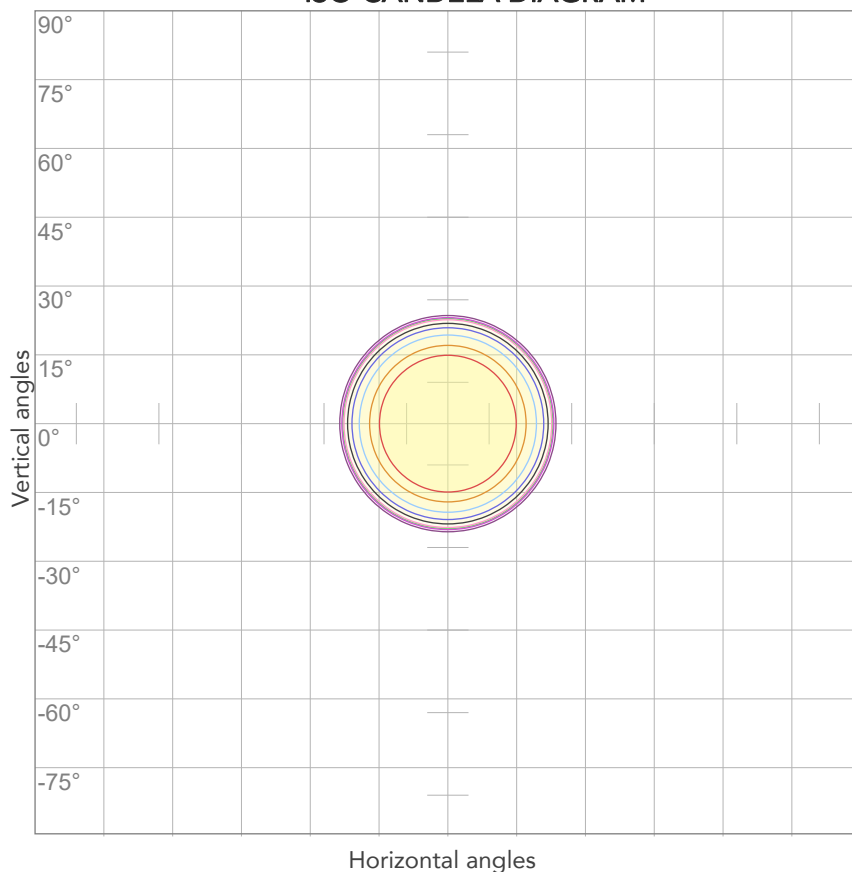


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,266A	51,0W	0,85	7lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



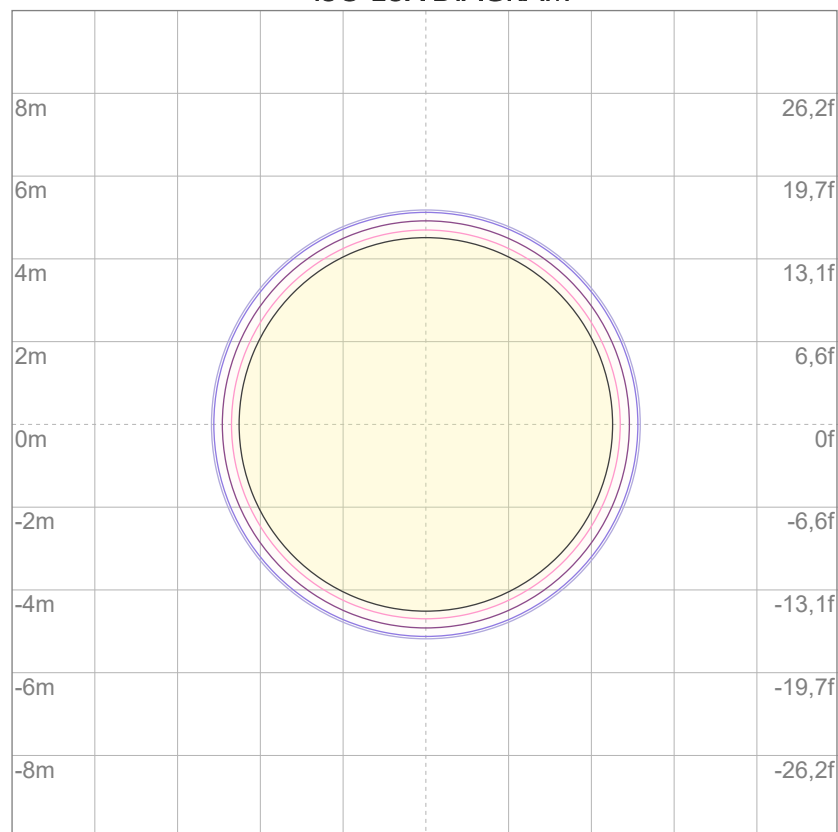
10%	74 cd
20%	149 cd
30%	223 cd
40%	298 cd
50%	372 cd
60%	446 cd
70%	521 cd
80%	595 cd

Conditions:

Number of c-planes: 2

Candela at center: 744 cd

ISO LUX DIAGRAM



3%	0,223 lx
5%	0,372 lx
10%	0,744 lx
30%	2,23 lx
50%	3,72 lx

Conditions:

Number of c-planes: 2

Lux at center: 7,44 lx

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



Total lumen output:

1292 lm

Peak candela output:

17687 cd

Light quality:

CRI: 79,3

Color temperature:

5447 K

PRODUCT NAME:

Mosaico FX100 FC

MEASUREMENT CONDITIONS:

Beam angle:

Optic 15° MFX100LWGN

Target:

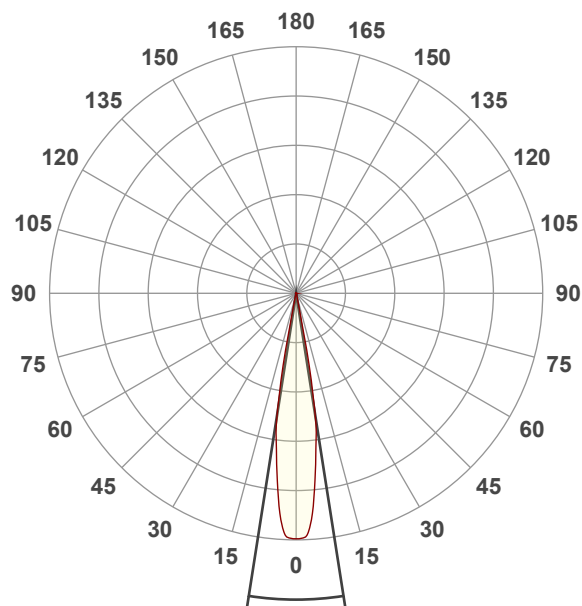
5600K

Operator:

Salvatore Giglio

Date and time:

30/08/2024 12:02:26

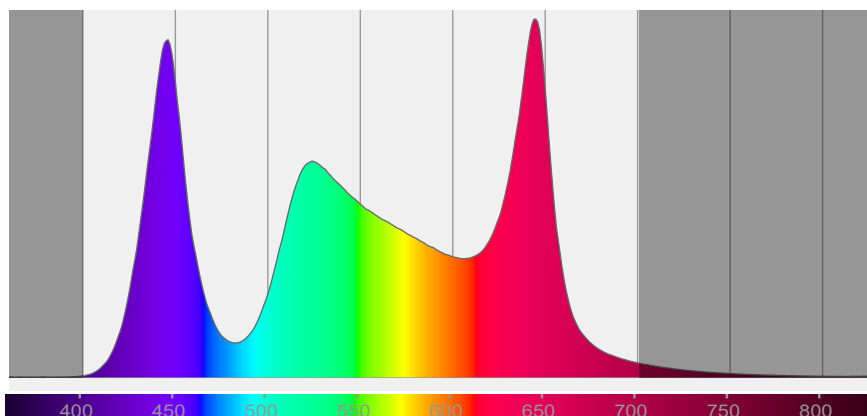


Beam angle 50%: 17,8°

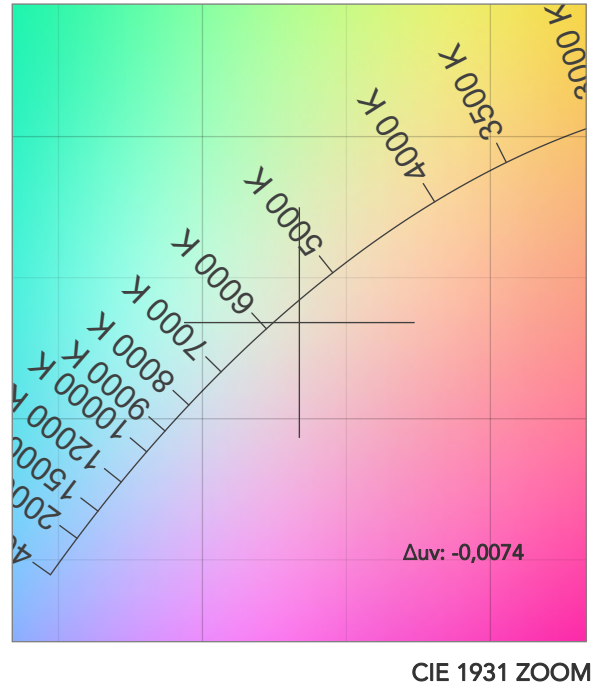
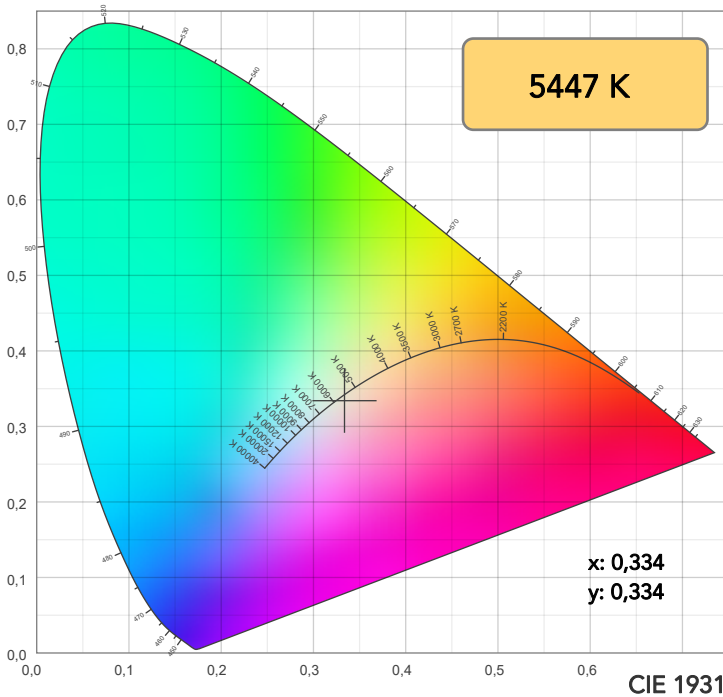
Field angle 10%: 22,9°

Cut off angle 2.5%: 25°

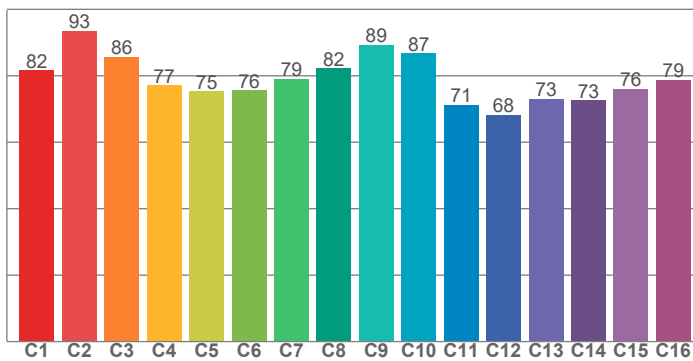
Spectra



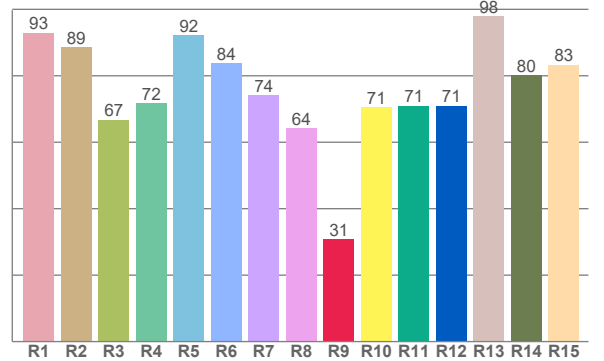
COLOR DETAILS



TM30: 79,5



CRI: 79,3 (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
92,9	88,6	66,7	71,8	92,1	83,7	74,1	64,2	30,7	70,6	70,9	70,9	98,0	80,2	83,4

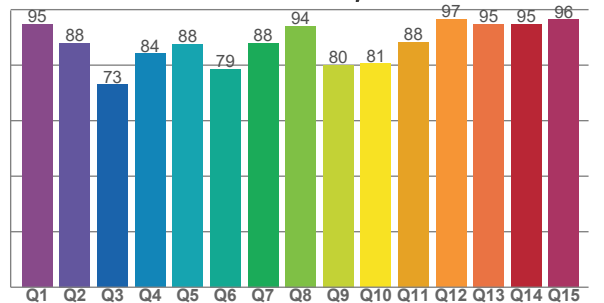
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81,6	93,5	85,6	77,1	75,3	75,6	79,1	82,2	89,4	86,8	71,3	68,2	73,1	72,6	76,1	78,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,7	88,0	73,0	84,2	87,5	78,6	88,0	94,1	80,0	80,6	88,4	96,5	94,8	94,7	96,4

CQS: 86,0



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
5447 K	79,3	30,7	79,5	113,6	86,0	74	0,334	0,334	-0,0074

TM30 DETAILS

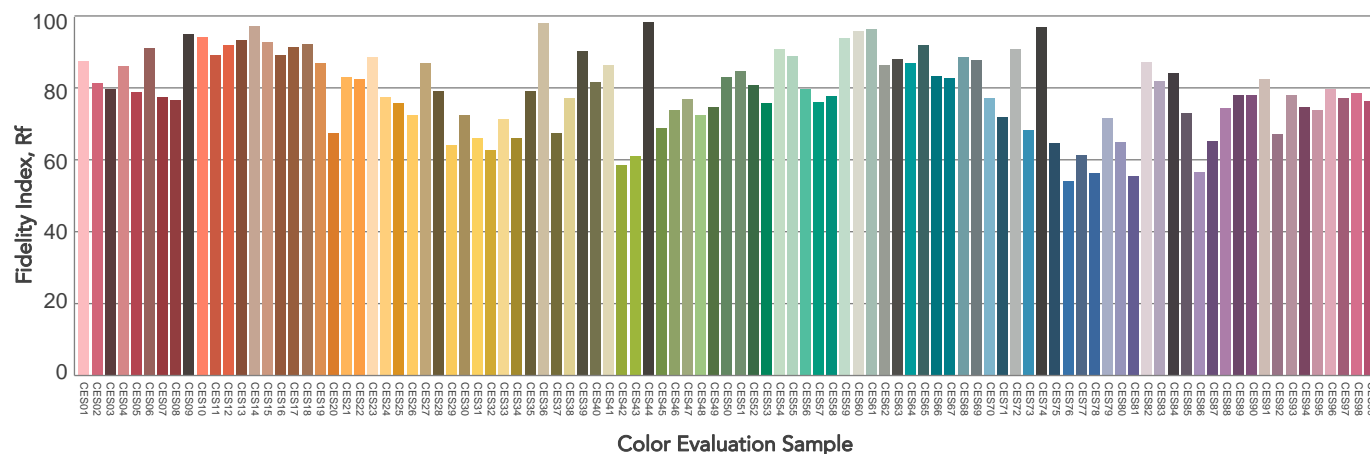
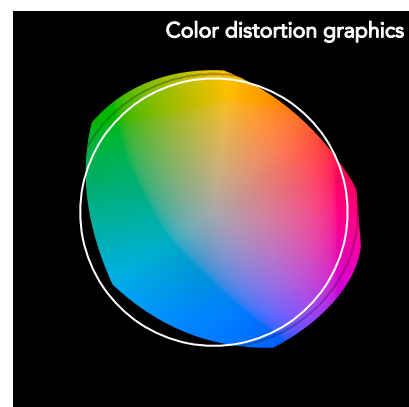
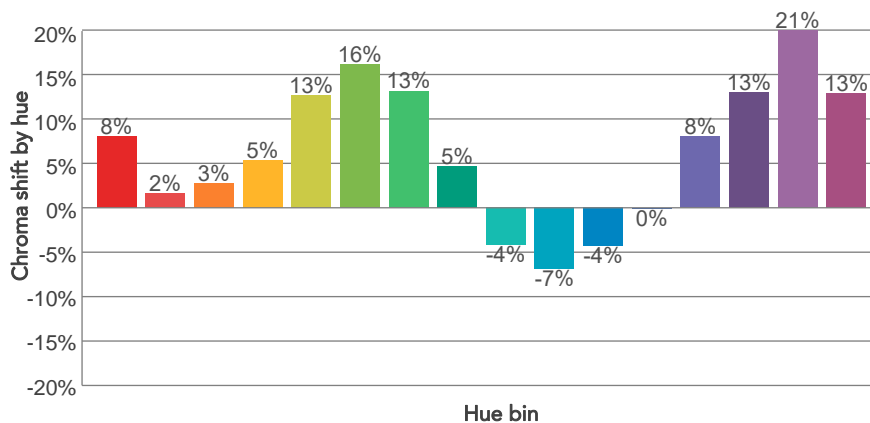
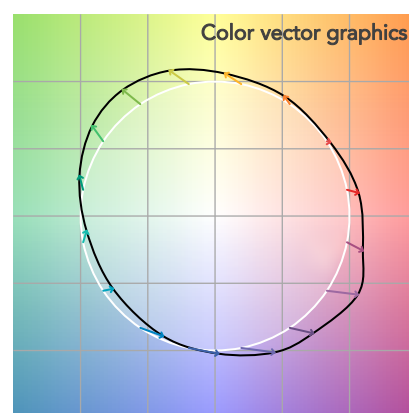
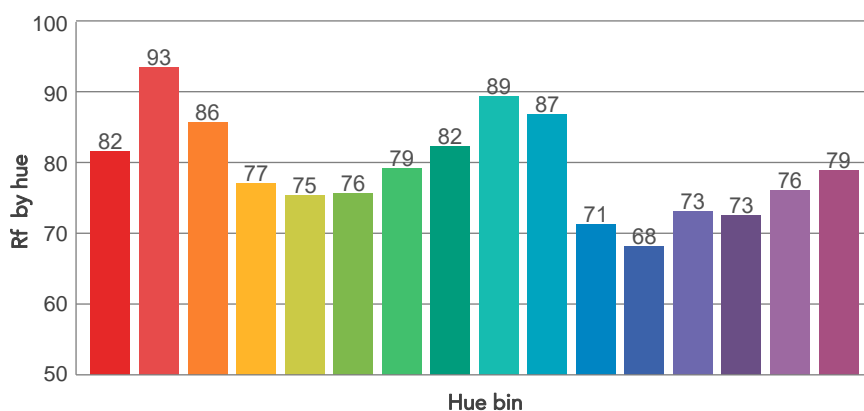
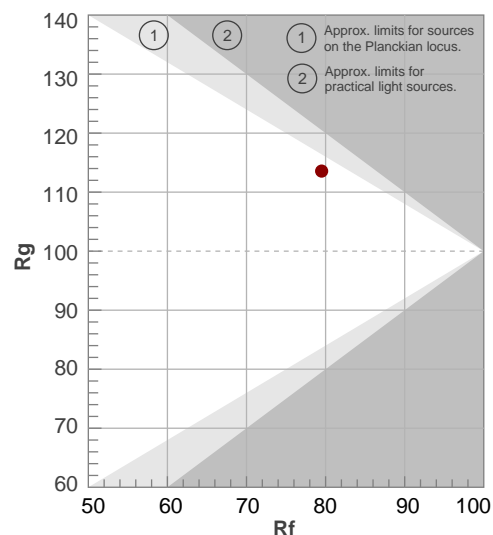
Rf 79,5

Fidelity index Rf

Rg 113,6

Gammut index

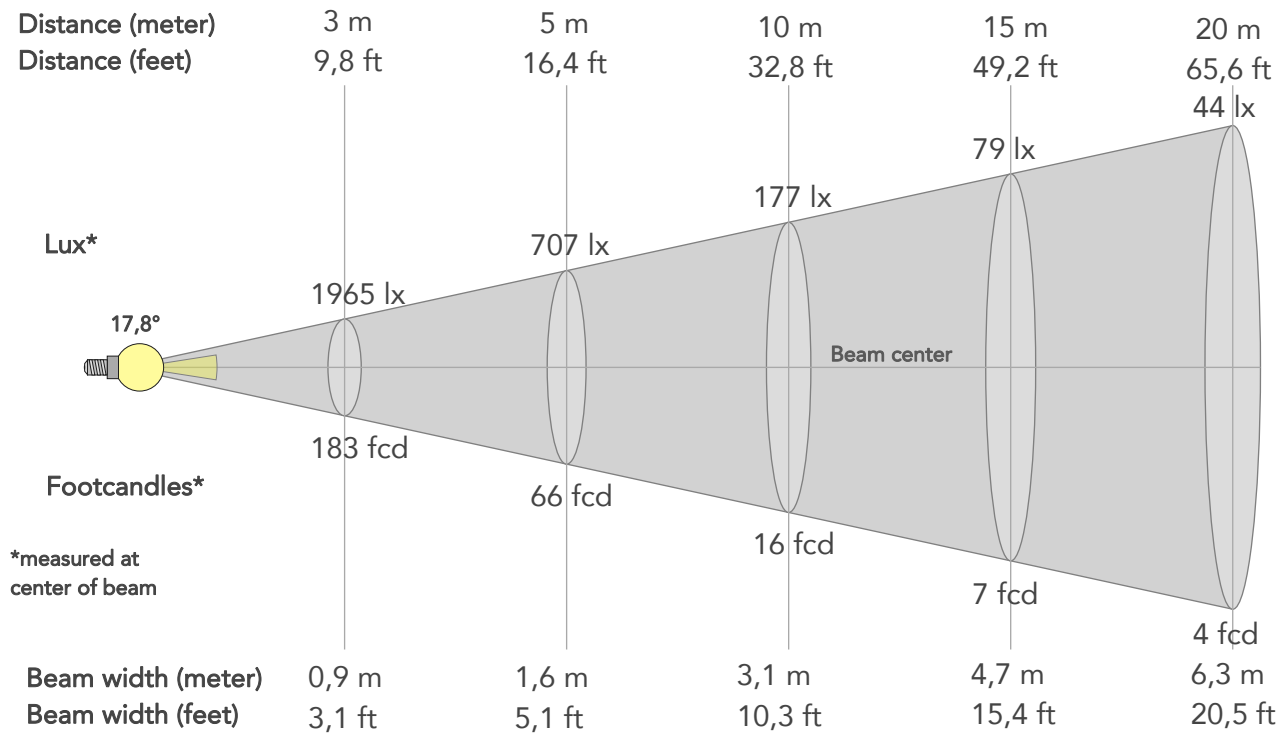
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	8%	-4%
2	93	2%	-2%
3	86	3%	7%
4	77	5%	13%
5	75	13%	12%
6	76	16%	5%
7	79	13%	-5%
8	82	5%	-10%
9	89	-4%	-8%
10	87	-7%	3%
11	71	-4%	17%
12	68	0%	22%
13	73	8%	24%
14	73	13%	12%
15	76	21%	10%
16	79	13%	-4%



BEAM DETAILS



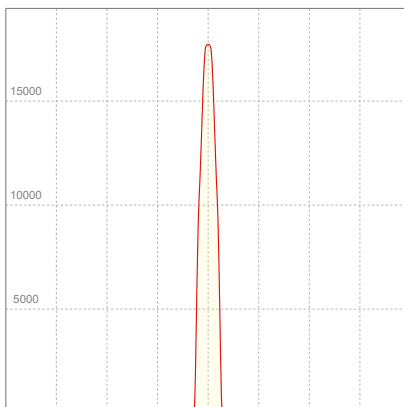
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,8°	22,9°	25°	99,1%	99,0%



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	17687lx	4422lx	1965lx	1105lx	707lx	314lx	177lx	79lx	44lx	28lx	20lx	11lx	7lx
Footcand.	1643fcd	411fcd	183fcd	103fcd	66fcd	29fcd	16fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,3m	0,6m	0,9m	1,3m	1,6m	2,3m	3,1m	4,7m	6,3m	7,8m	9,4m	12,5m	15,7m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,1ft	7,7ft	10,3ft	15,4ft	20,5ft	25,7ft	30,8ft	41,1ft	51,3ft

LINEAR DISTRIBUTION DIAGRAM

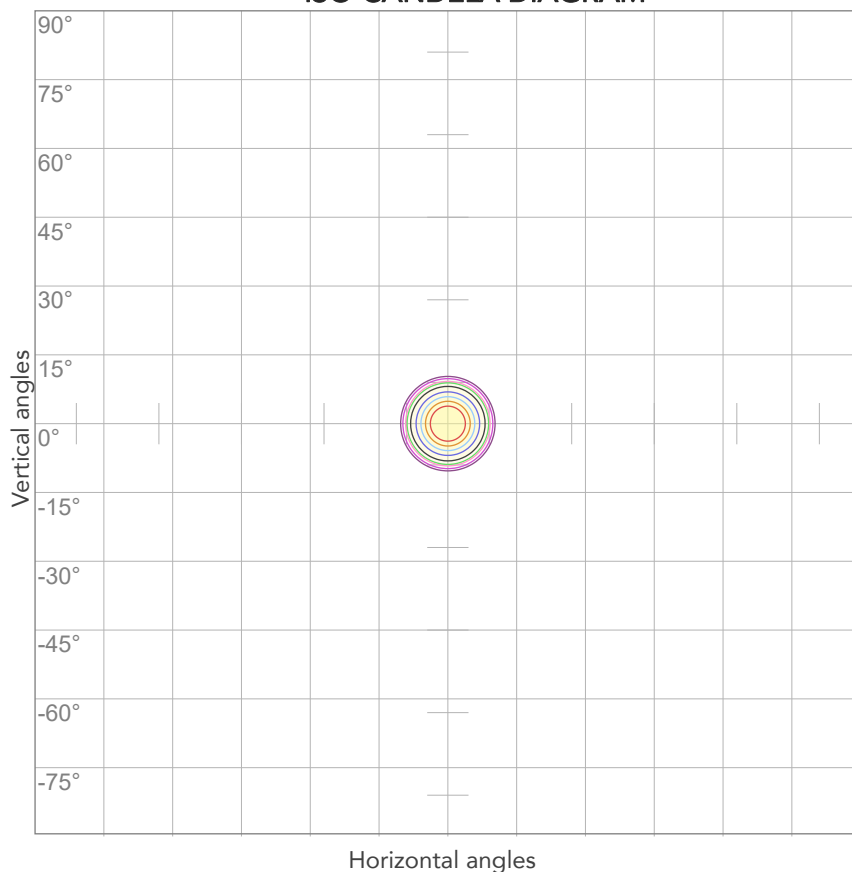


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,367A	82,7W	0,93	16lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



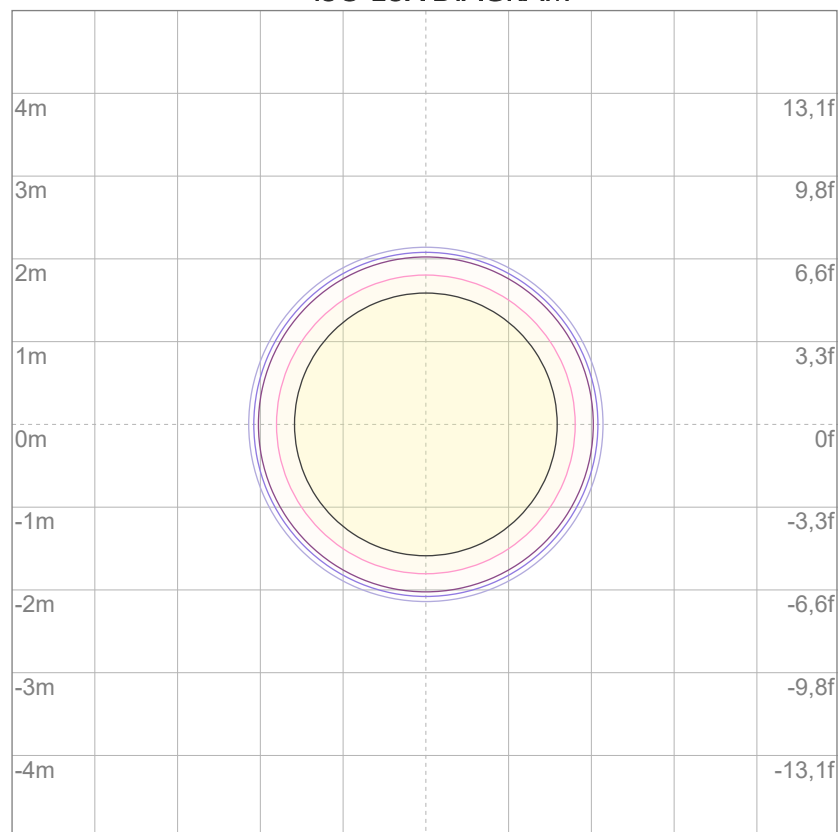
10%	1769 cd
20%	3537 cd
30%	5306 cd
40%	7075 cd
50%	8843 cd
60%	10612 cd
70%	12381 cd
80%	14150 cd

Conditions:

Number of c-planes: 2

Candela at center: 17687 cd

ISO LUX DIAGRAM



3%	5,31 lx
5%	8,84 lx
10%	17,7 lx
30%	53,1 lx
50%	88,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 177 lx

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



Total lumen output:

1263 lm

Peak candela output:

9951 cd

Light quality:

CRI: 79,4

Color temperature:

5449 K

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 30° MFX100LWTM

Target:

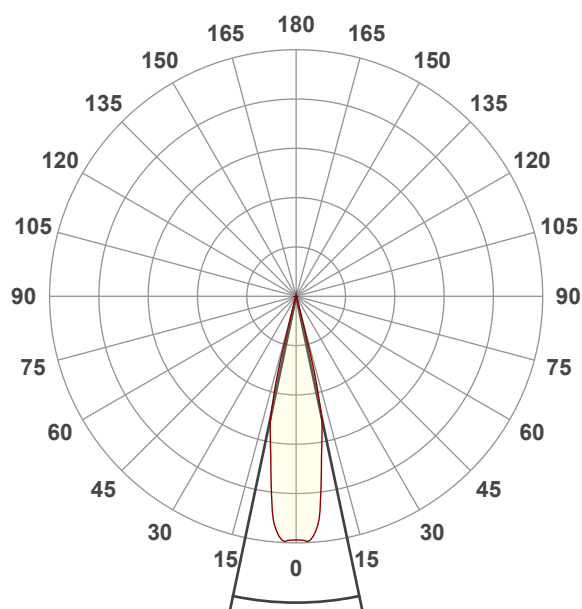
5600K

Operator:

Salvatore Giglio

Date and time:

30/08/2024 12:41:53

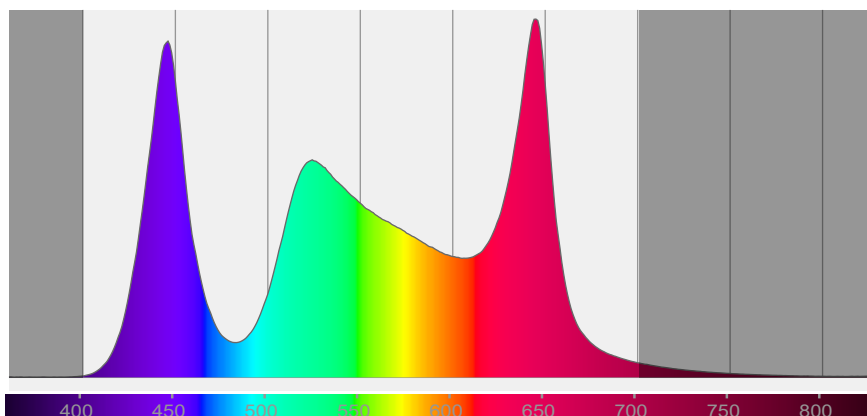


Beam angle 50%: 23,8°

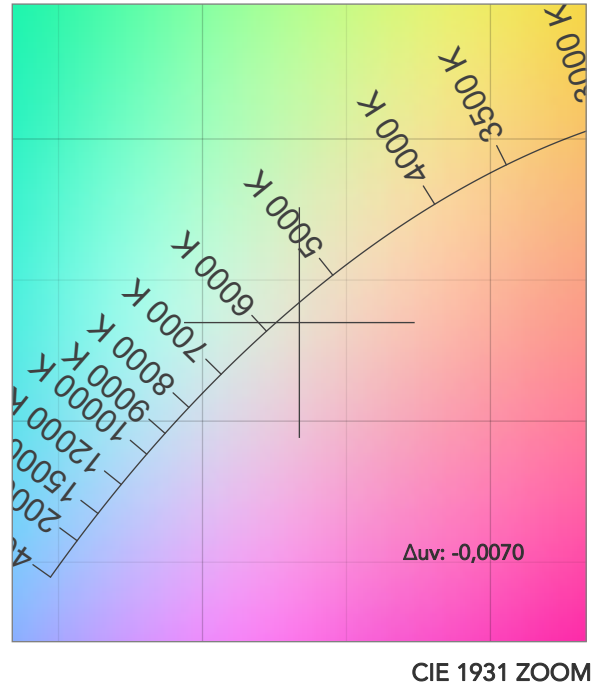
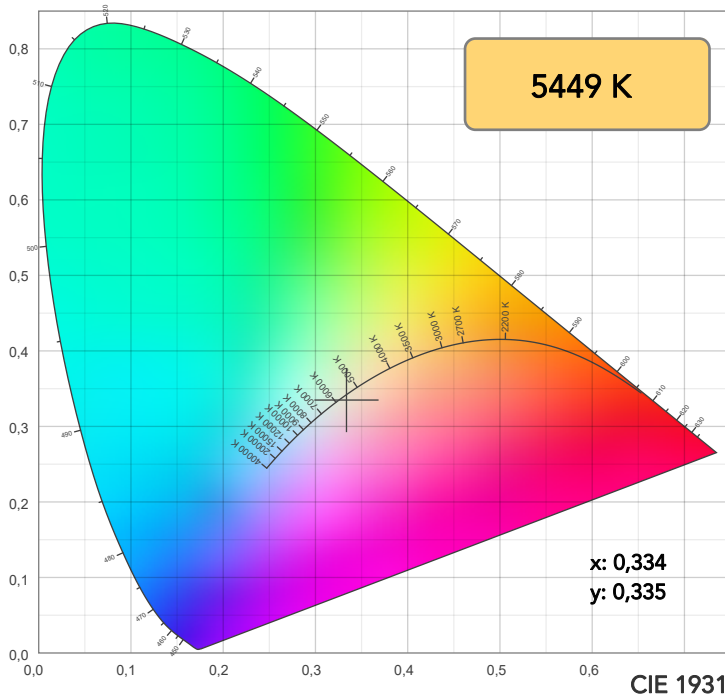
Field angle 10%: 29,7°

Cut off angle 2.5%: 32,1°

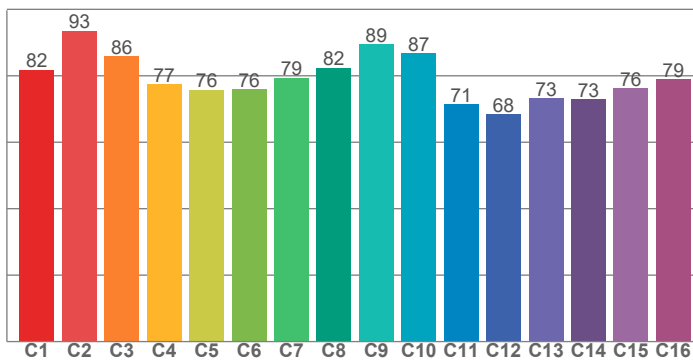
Spectra



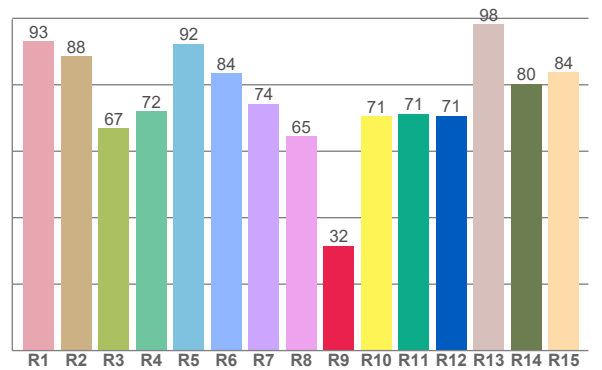
COLOR DETAILS



TM30: 79,7



CRI: 79,4 (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
93,2	88,5	66,9	72,1	92,3	83,6	74,3	64,6	31,5	70,5	71,3	70,7	98,2	80,3	83,8

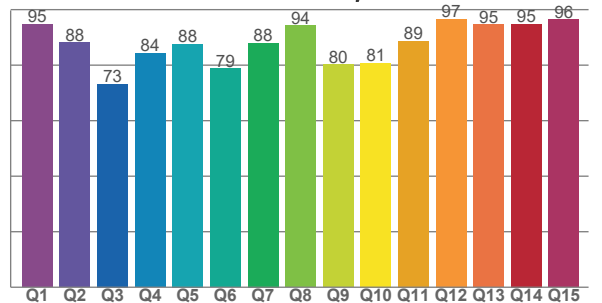
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81,8	93,5	85,9	77,4	75,7	75,9	79,4	82,4	89,5	86,8	71,4	68,4	73,2	72,9	76,2	79,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,7	88,1	73,2	84,3	87,6	78,7	87,9	94,2	80,2	80,8	88,7	96,7	94,6	94,8	96,4

CQS: 86,1



COLOR PARAMETERS

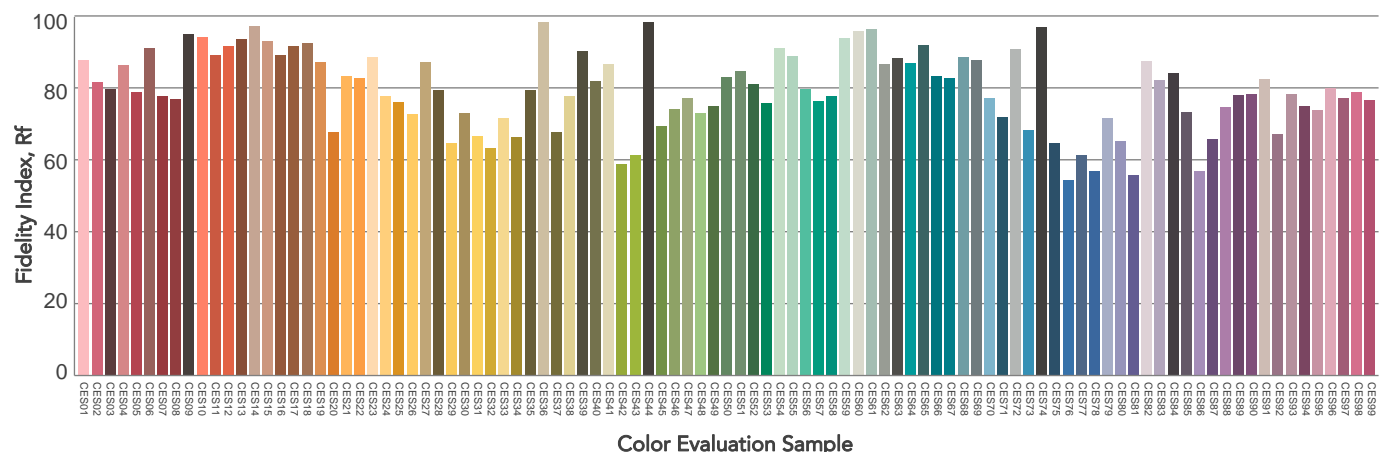
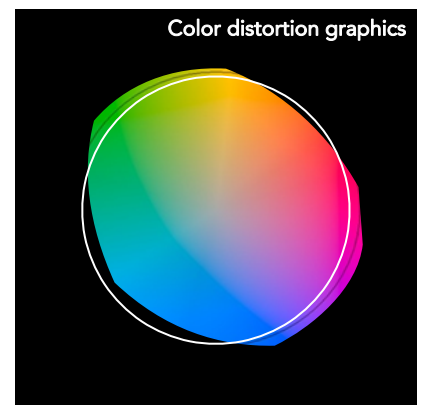
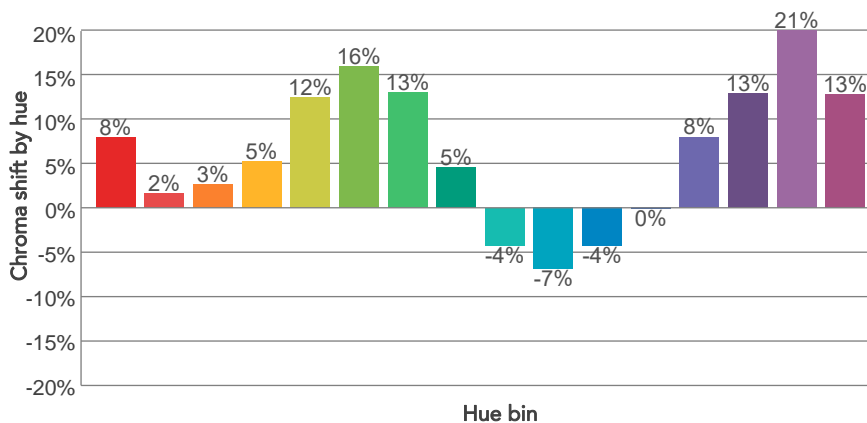
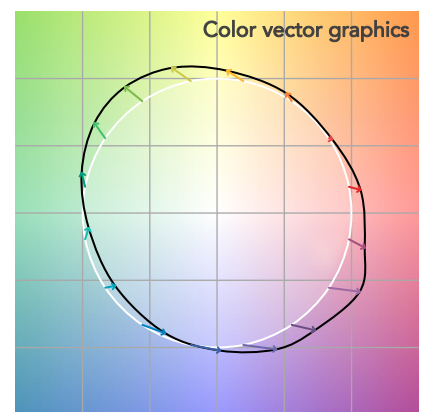
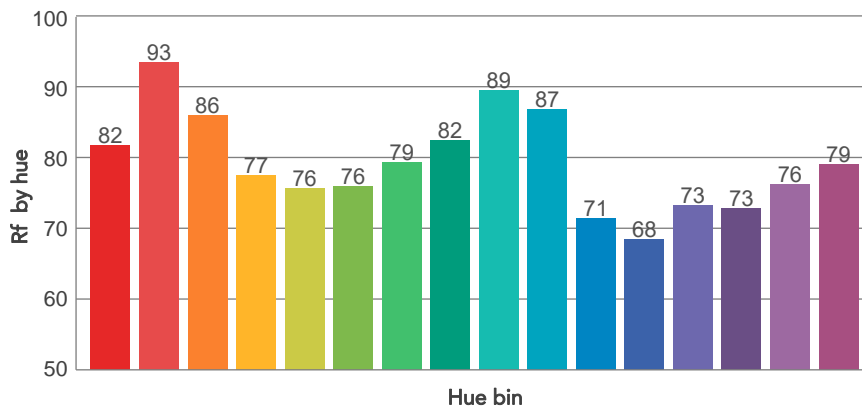
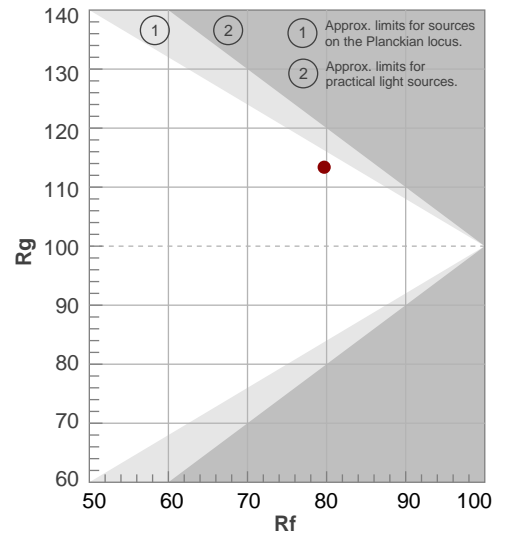
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5449 K	79,4	31,5	79,7	113,4	86,1	74	0,334	0,335	-0,0070

TM30 DETAILS

Rf 79,7
Fidelity index Rf

Rg 113,4
Gammut index

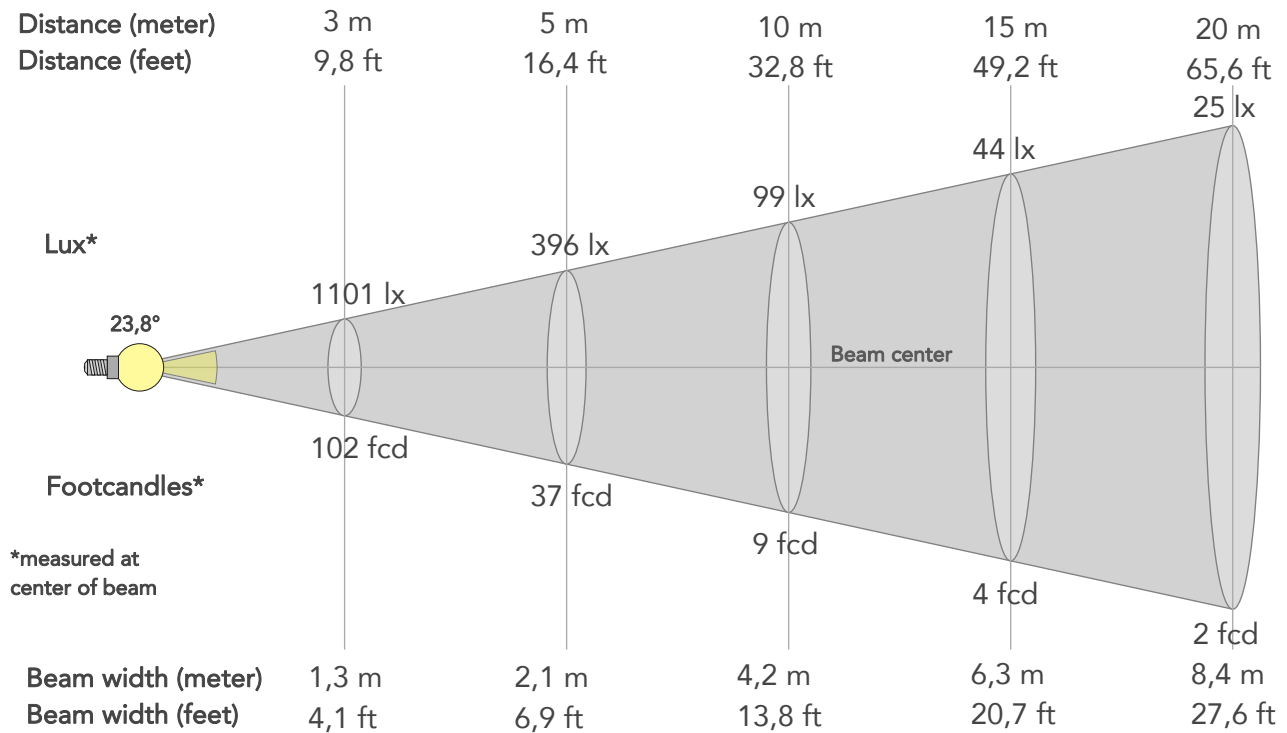
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	8%	-4%
2	93	2%	-2%
3	86	3%	7%
4	77	5%	13%
5	76	12%	12%
6	76	16%	5%
7	79	13%	-5%
8	82	5%	-10%
9	89	-4%	-8%
10	87	-7%	3%
11	71	-4%	17%
12	68	0%	22%
13	73	8%	23%
14	73	13%	12%
15	76	21%	10%
16	79	13%	-4%



BEAM DETAILS



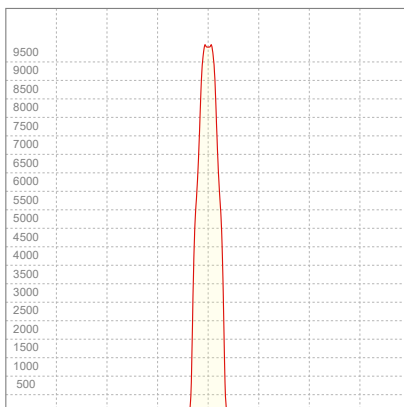
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,8°	29,7°	32,1°	99,3%	99,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	9905lx	2476lx	1101lx	619lx	396lx	176lx	99lx	44lx	25lx	16lx	11lx	6lx	4lx
Footcand.	920fcd	230fcd	102fcd	58fcd	37fcd	16fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,4m	0,8m	1,3m	1,7m	2,1m	3,2m	4,2m	6,3m	8,4m	10,5m	12,6m	16,9m	21,1m
Beam wid.	1,4ft	2,8ft	4,1ft	5,5ft	6,9ft	10,4ft	13,8ft	20,7ft	27,6ft	34,6ft	41,5ft	55,3ft	69,1ft

LINEAR DISTRIBUTION DIAGRAM

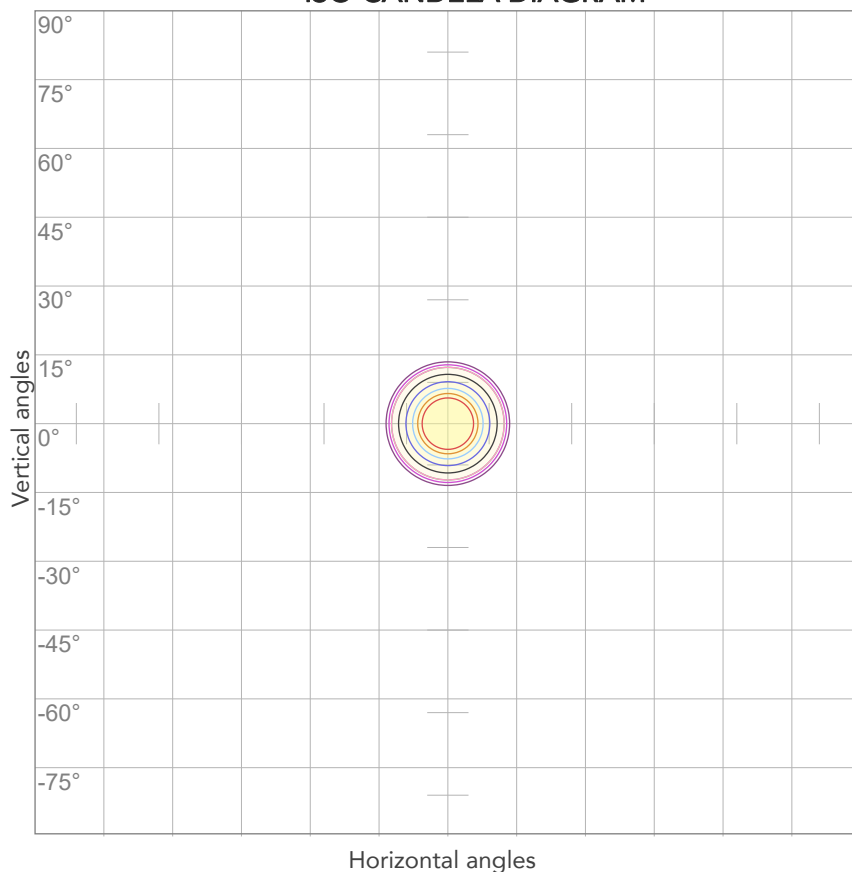


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,368A	82,9W	0,93	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



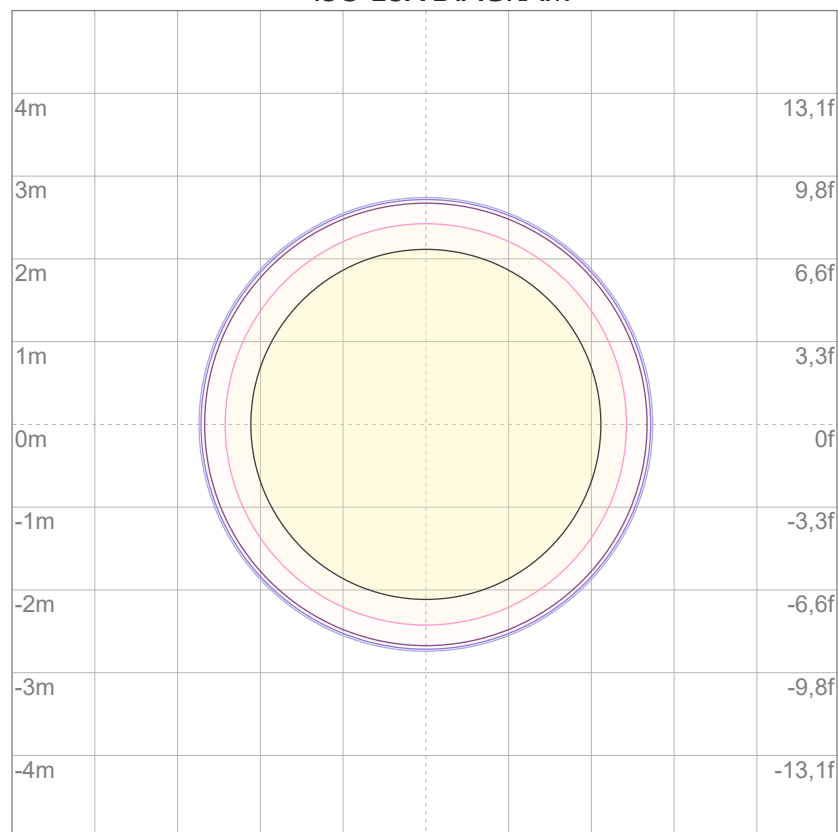
10%	990 cd
20%	1981 cd
30%	2971 cd
40%	3962 cd
50%	4952 cd
60%	5943 cd
70%	6933 cd
80%	7924 cd

Conditions:

Number of c-planes: 2

Candela at center: 9905 cd

ISO LUX DIAGRAM



3%	2,97 lx
5%	4,95 lx
10%	9,90 lx
30%	29,7 lx
50%	49,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 99,0 lx

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



Total lumen output:

1347 lm

Peak candela output:

4150 cd

Light quality:

CRI: 80,2

Color temperature:

5496 K

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 50° MFX100LWTM

Target:

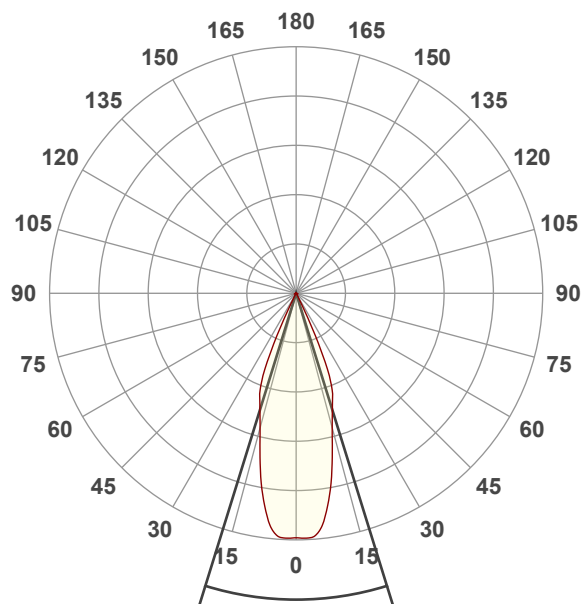
5600K

Operator:

Salvatore Giglio

Date and time:

29/08/2024 12:49:19

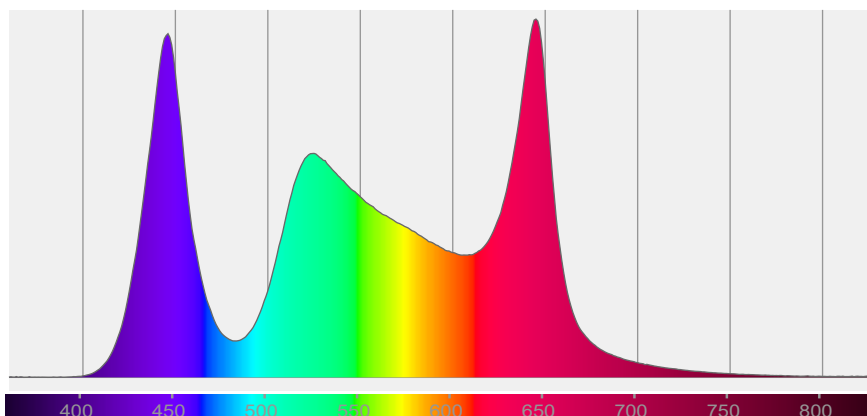


Beam angle 50%: 34,5°

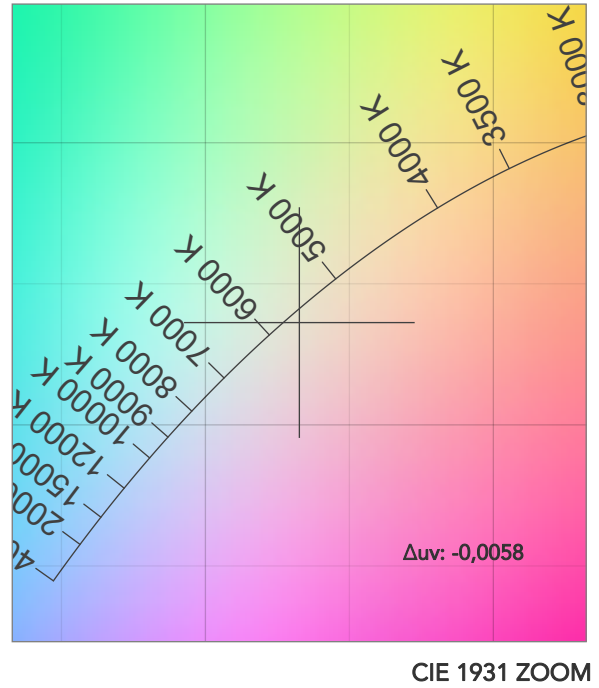
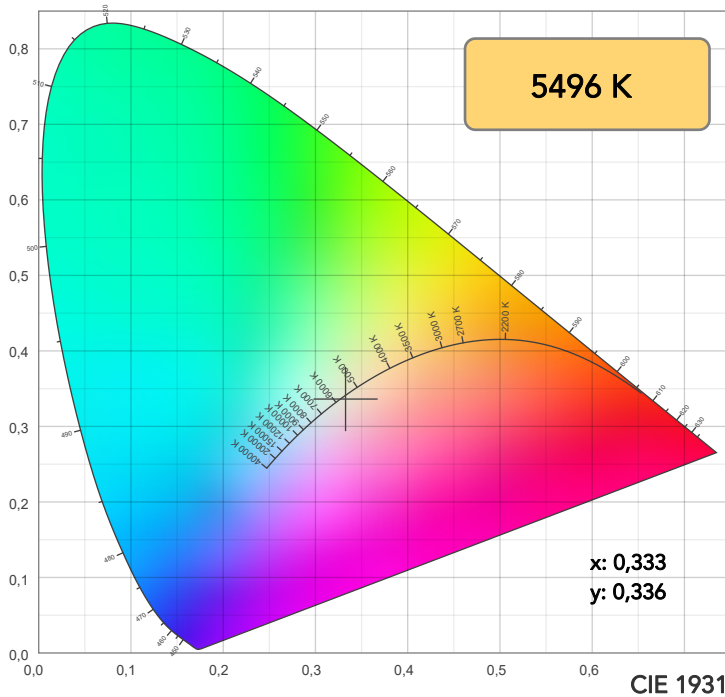
Field angle 10%: 51,4°

Cut off angle 2.5%: 55°

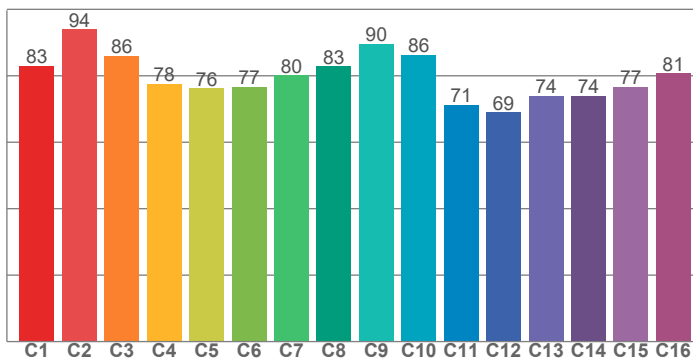
Spectra



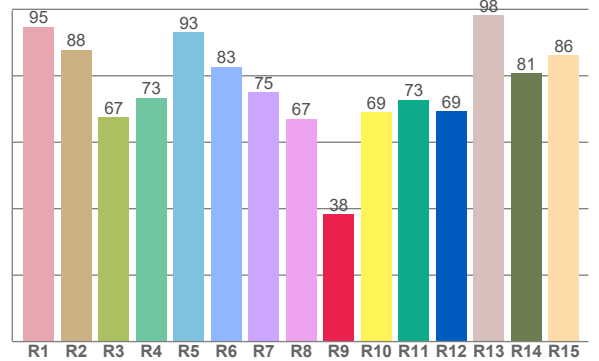
COLOR DETAILS



TM30: 80,1



CRI: 80,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,8	87,8	67,4	73,4	93,0	82,7	75,0	67,1	38,4	69,0	72,8	69,2	98,2	80,7	86,1

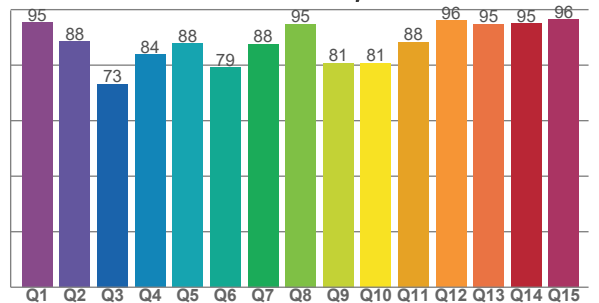
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
82,9	94,0	86,0	77,6	76,2	76,6	80,1	82,9	89,6	86,4	71,2	69,0	74,0	73,9	76,7	80,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,4	88,5	73,3	83,8	87,7	79,1	87,6	94,8	80,9	80,8	88,4	96,1	94,9	95,0	96,4

CQS: 86,2



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
5496 K	80,2	38,4	80,1	112,5	86,2	75	0,333	0,336	-0,0058

TM30 DETAILS

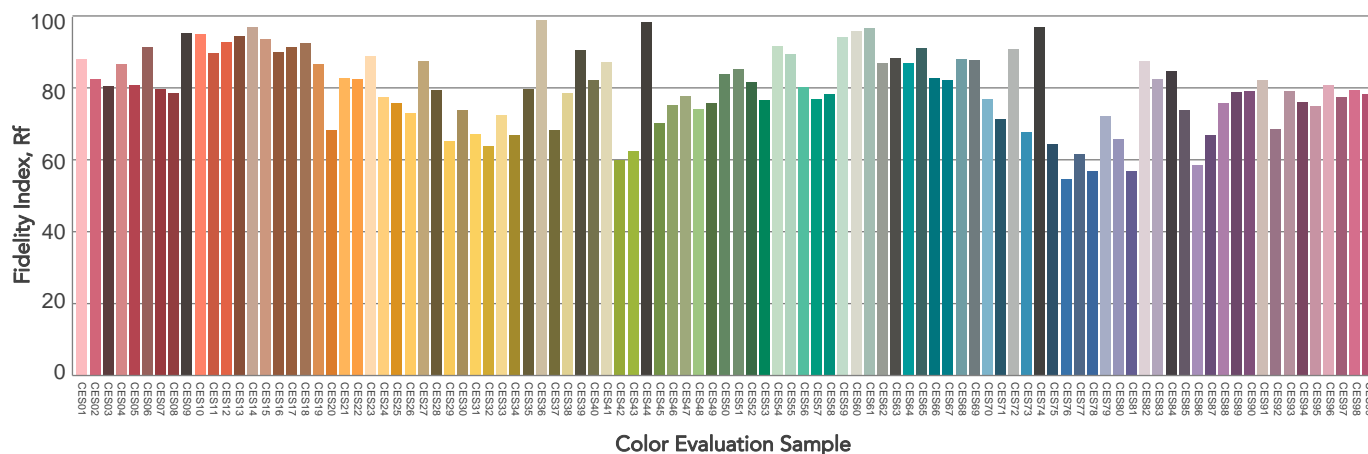
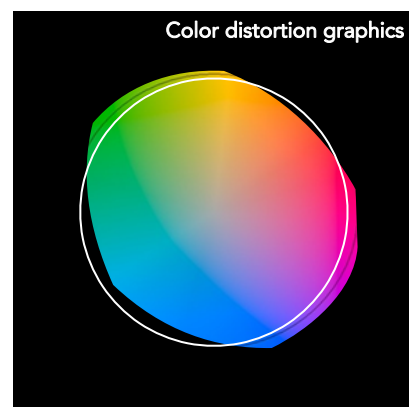
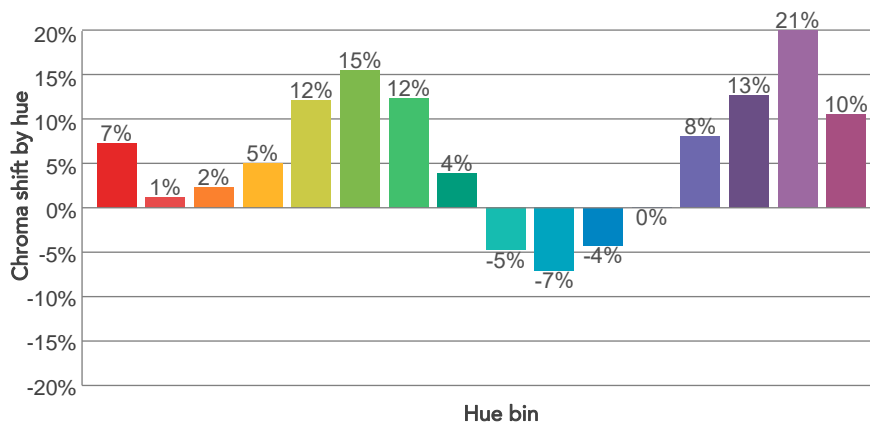
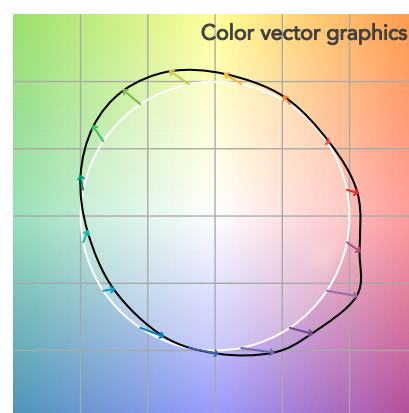
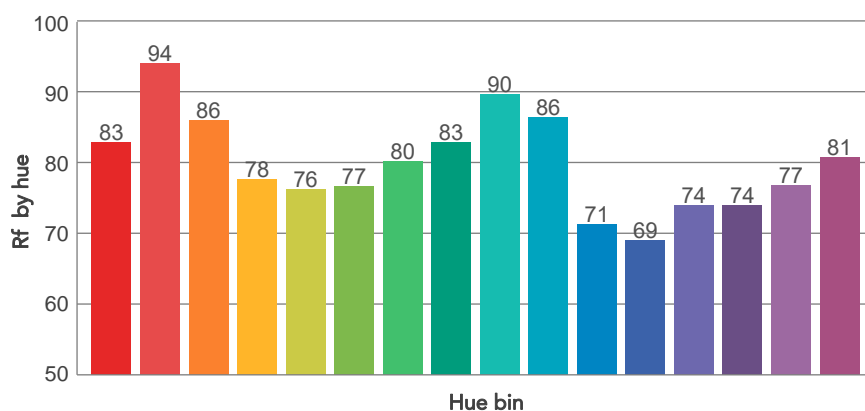
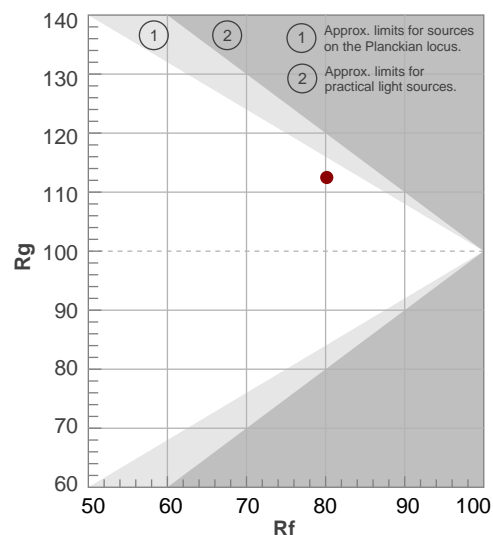
Rf 80,1

Fidelity index Rf

Rg 112,5

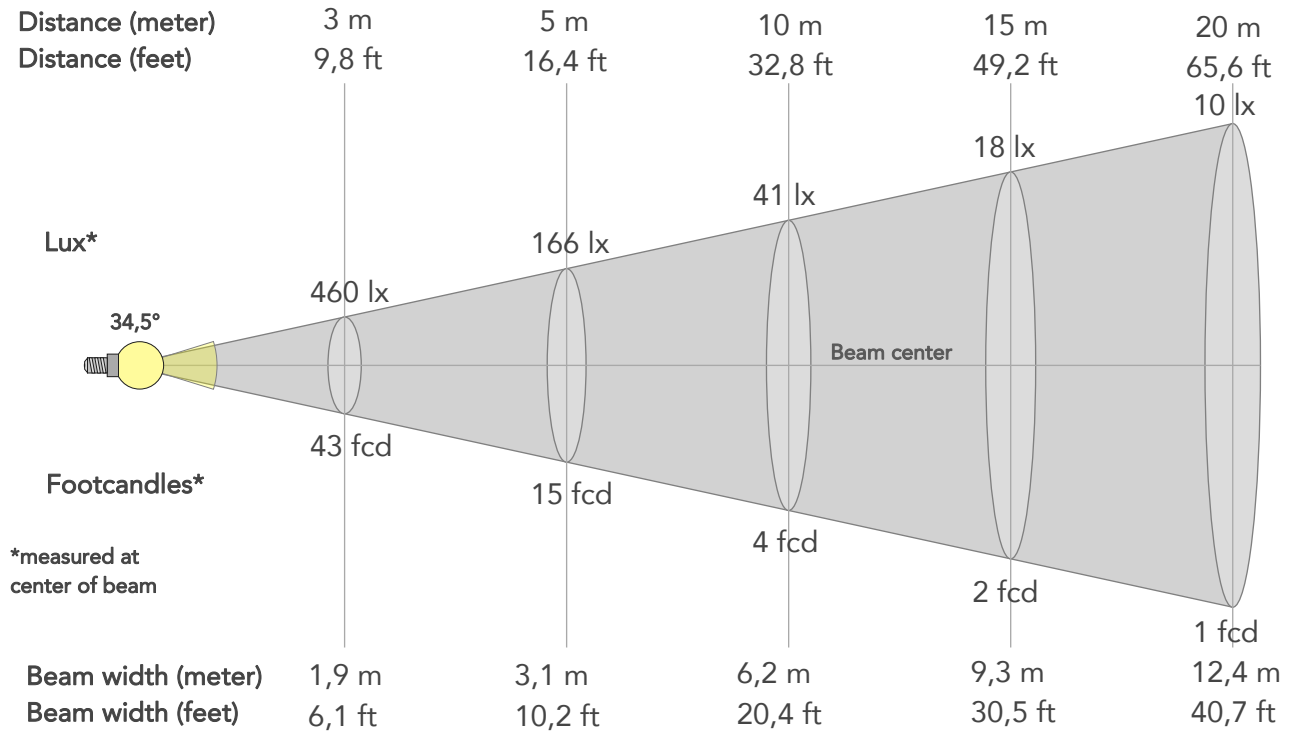
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	83	7%	-4%
2	94	1%	-2%
3	86	2%	7%
4	78	5%	13%
5	76	12%	12%
6	77	15%	5%
7	80	12%	-5%
8	83	4%	-10%
9	90	-5%	-7%
10	86	-7%	3%
11	71	-4%	18%
12	69	0%	22%
13	74	8%	23%
14	74	13%	11%
15	77	21%	9%
16	81	10%	-5%



BEAM DETAILS

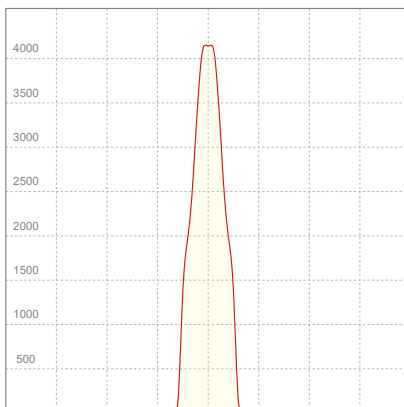
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34,5°	51,4°	55°	99,6%	99,5%



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	4142lx	1035lx	460lx	259lx	166lx	74lx	41lx	18lx	10lx	7lx	5lx	3lx	2lx
Footcand.	385fcd	96fcd	43fcd	24fcd	15fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,9m	2,5m	3,1m	4,7m	6,2m	9,3m	12,4m	15,5m	18,6m	24,8m	31m
Beam wid.	2ft	4,1ft	6,1ft	8,1ft	10,2ft	15,3ft	20,4ft	30,5ft	40,7ft	50,9ft	61,1ft	81,4ft	101,8ft

LINEAR DISTRIBUTION DIAGRAM

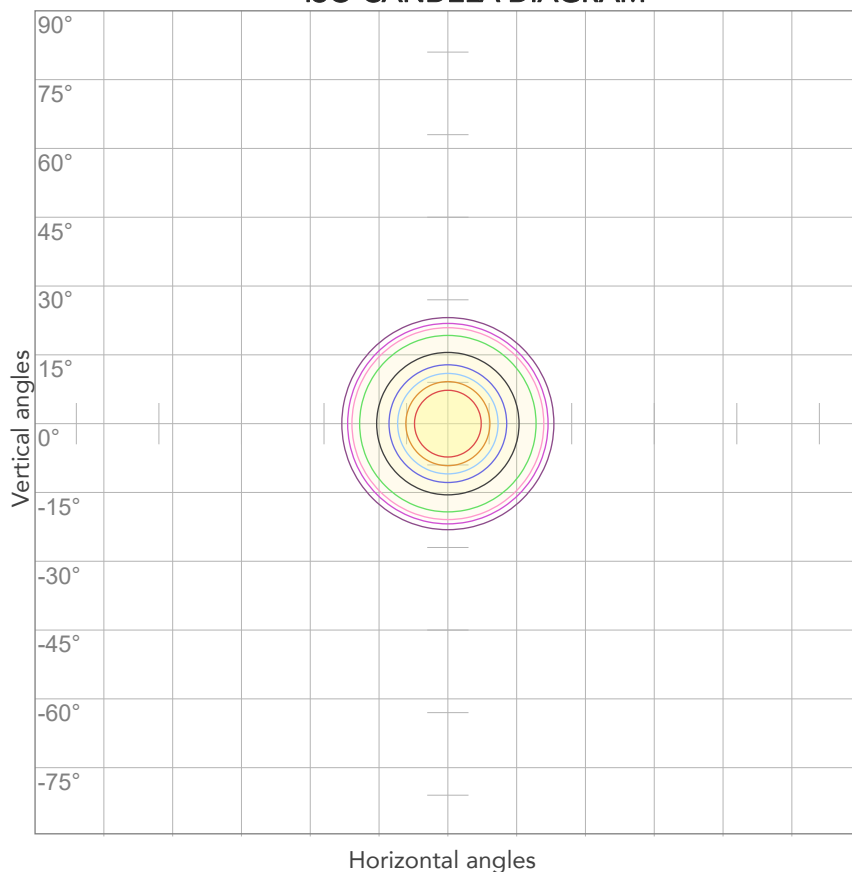


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,377A	78,3W	0,92	17lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



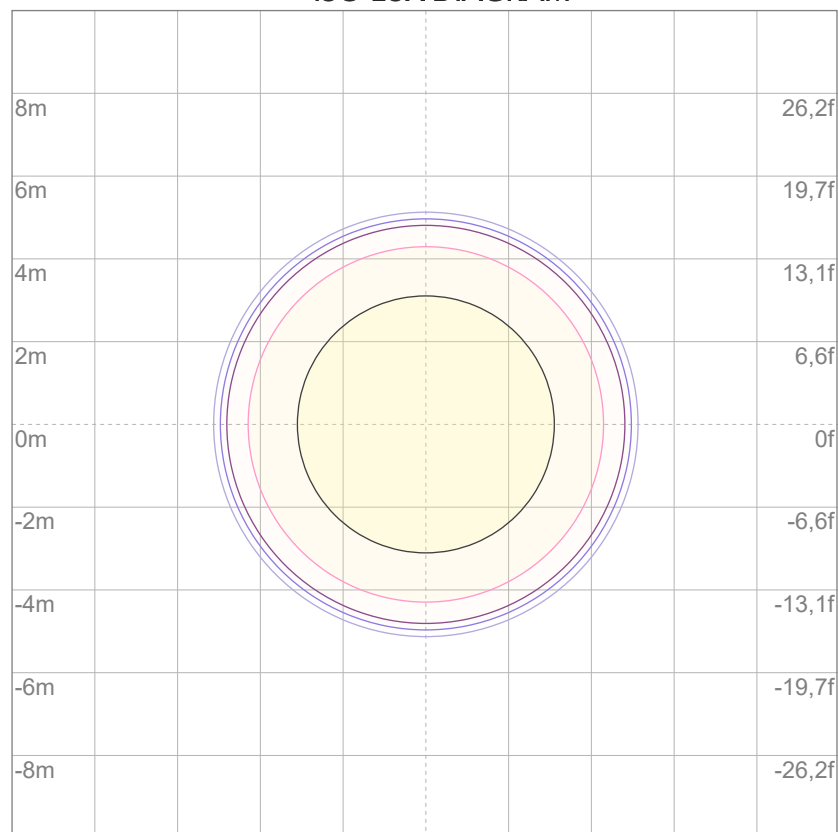
10%	414 cd
20%	828 cd
30%	1243 cd
40%	1657 cd
50%	2071 cd
60%	2485 cd
70%	2899 cd
80%	3313 cd

Conditions:

Number of c-planes: 2

Candela at center: 4142 cd

ISO LUX DIAGRAM



3%	1,24 lx
5%	2,07 lx
10%	4,14 lx
30%	12,4 lx
50%	20,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 41,4 lx

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



Total lumen output:

970 lm

Peak candela output:

2045 cd

Light quality:

CRI: 80,8

Color temperature:

5760 K

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 70° MFX100LWGVW

Target:

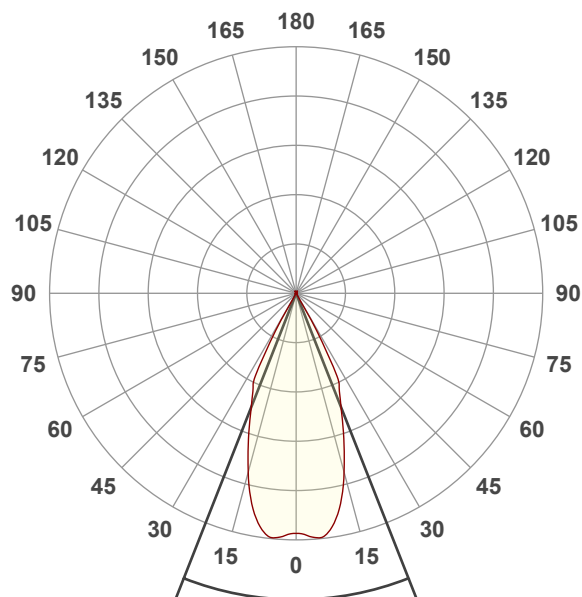
5600K

Operator:

Salvatore Giglio

Date and time:

29/08/2024 16:30:30

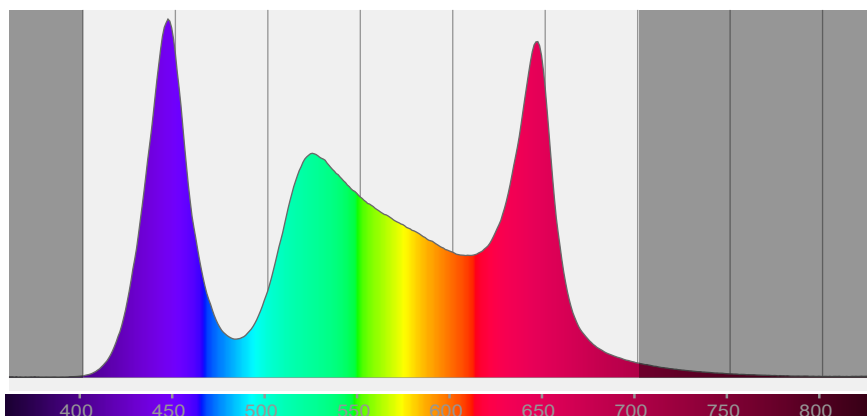


Beam angle 50%: 43°

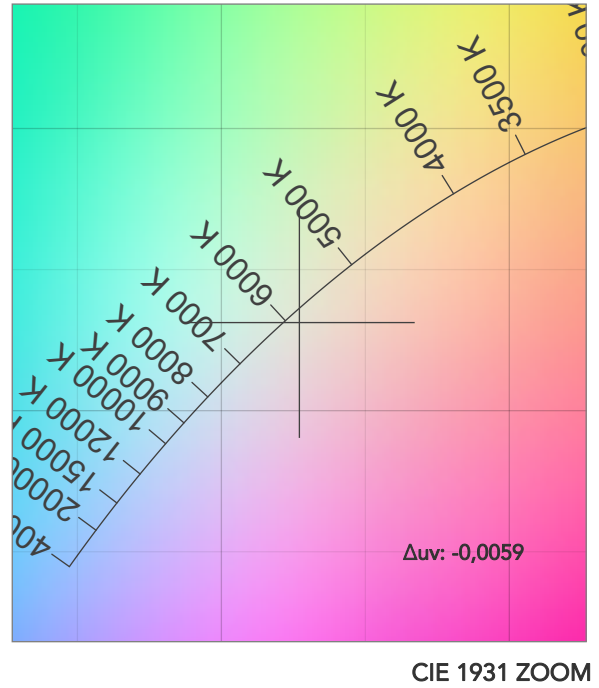
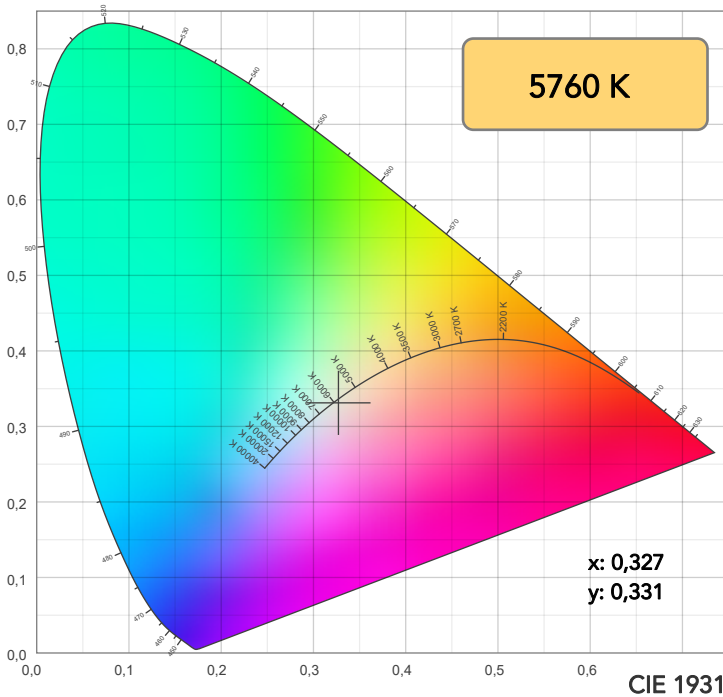
Field angle 10%: 59,8°

Cut off angle 2.5%: 61,9°

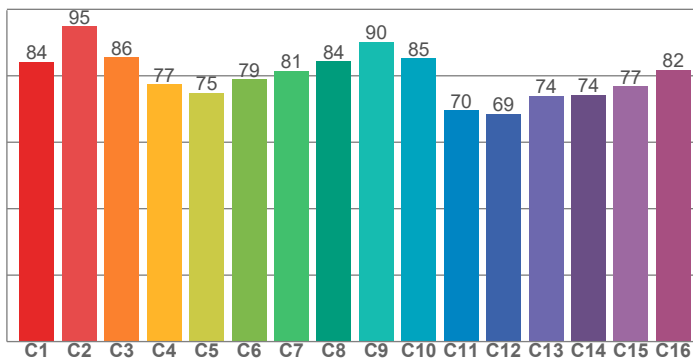
Spectra



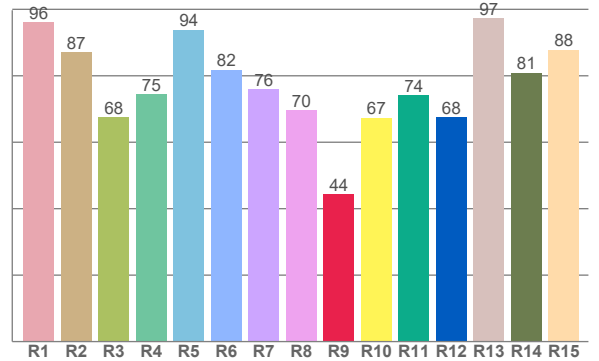
COLOR DETAILS



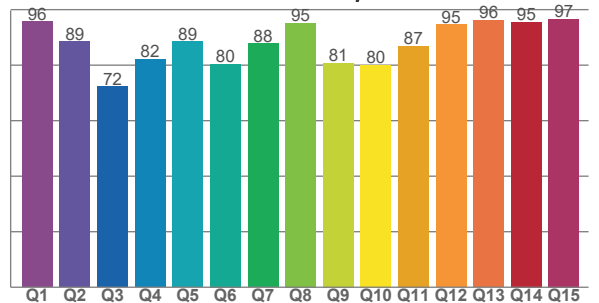
TM30: 80,4



CRI: 80,8 (R1-R8)



CQS: 86,0



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	87,2	67,6	74,5	93,8	81,8	75,9	69,6	44,4	67,4	74,1	67,6	97,4	80,9	87,8

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
84,2	94,9	85,6	77,5	74,9	78,9	81,4	84,3	90,2	85,2	69,7	68,5	73,9	74,2	76,9	81,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,7	88,6	72,3	82,1	88,5	80,5	87,8	95,2	80,8	80,0	86,9	94,6	96,2	95,5	96,6

COLOR PARAMETERS

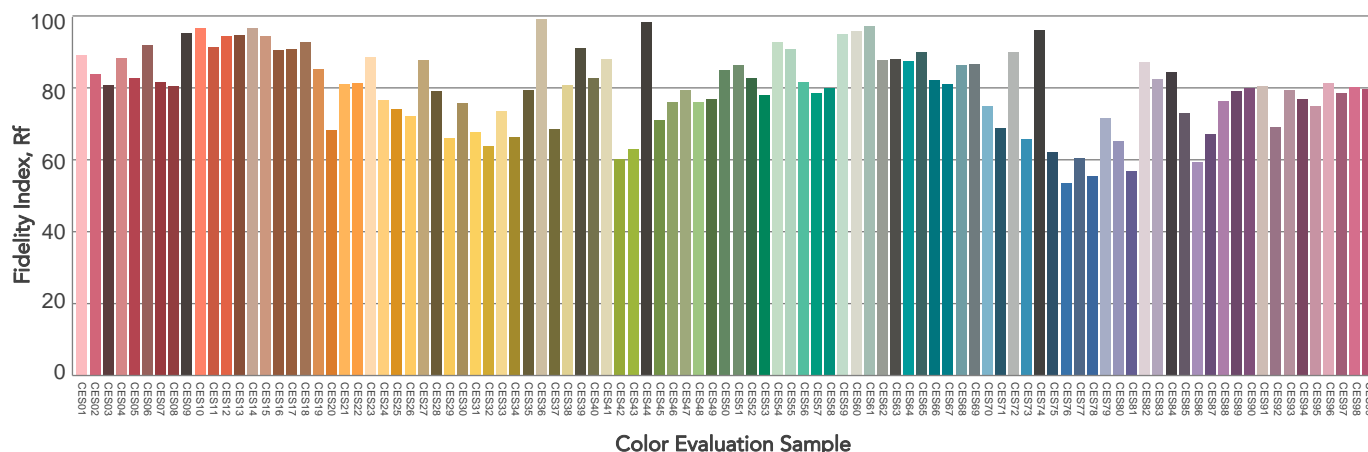
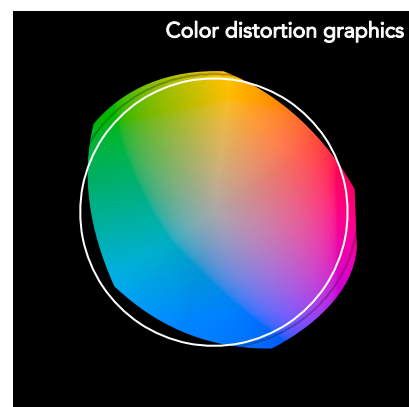
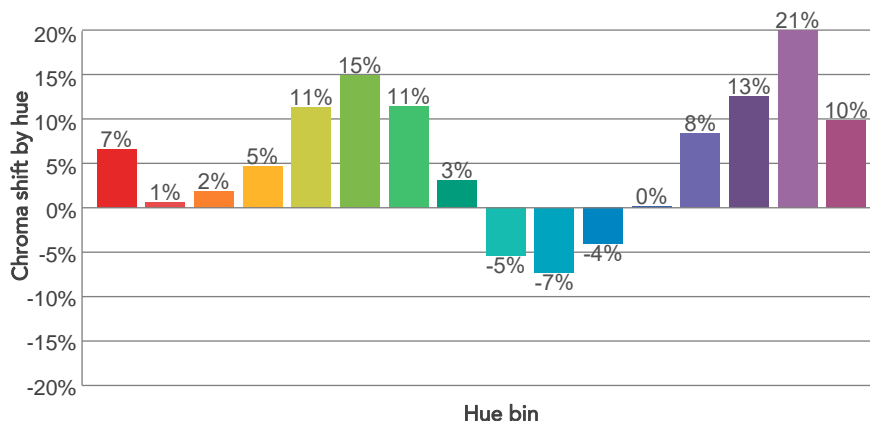
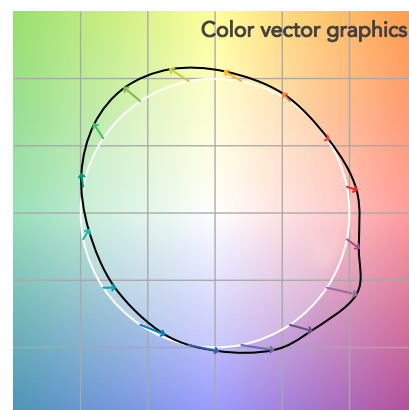
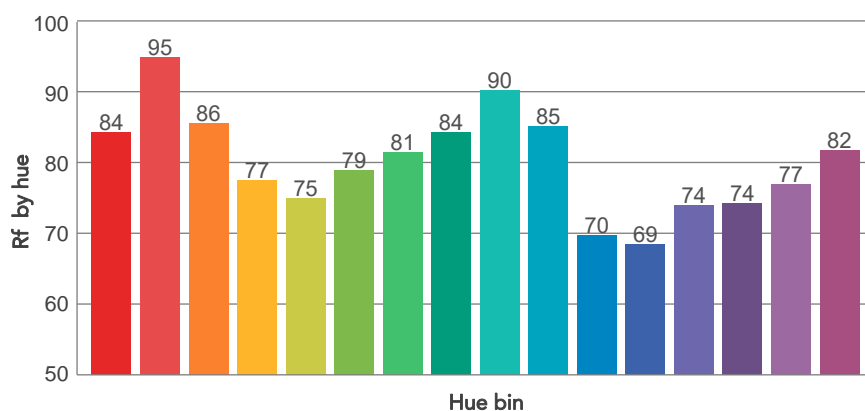
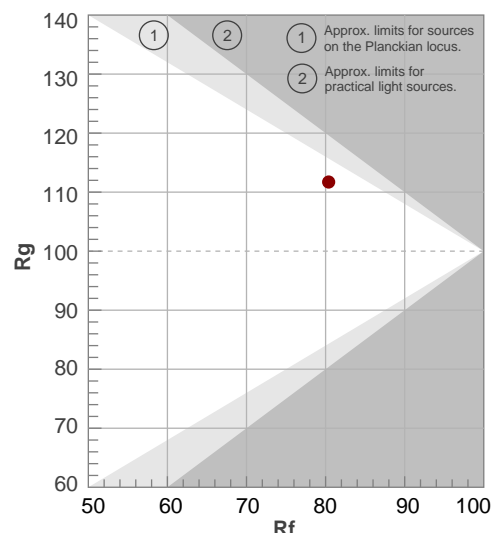
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5760 K	80,8	44,4	80,4	111,7	86,0	77	0,327	0,331	-0,0059

TM30 DETAILS

Rf 80,4
Fidelity index Rf

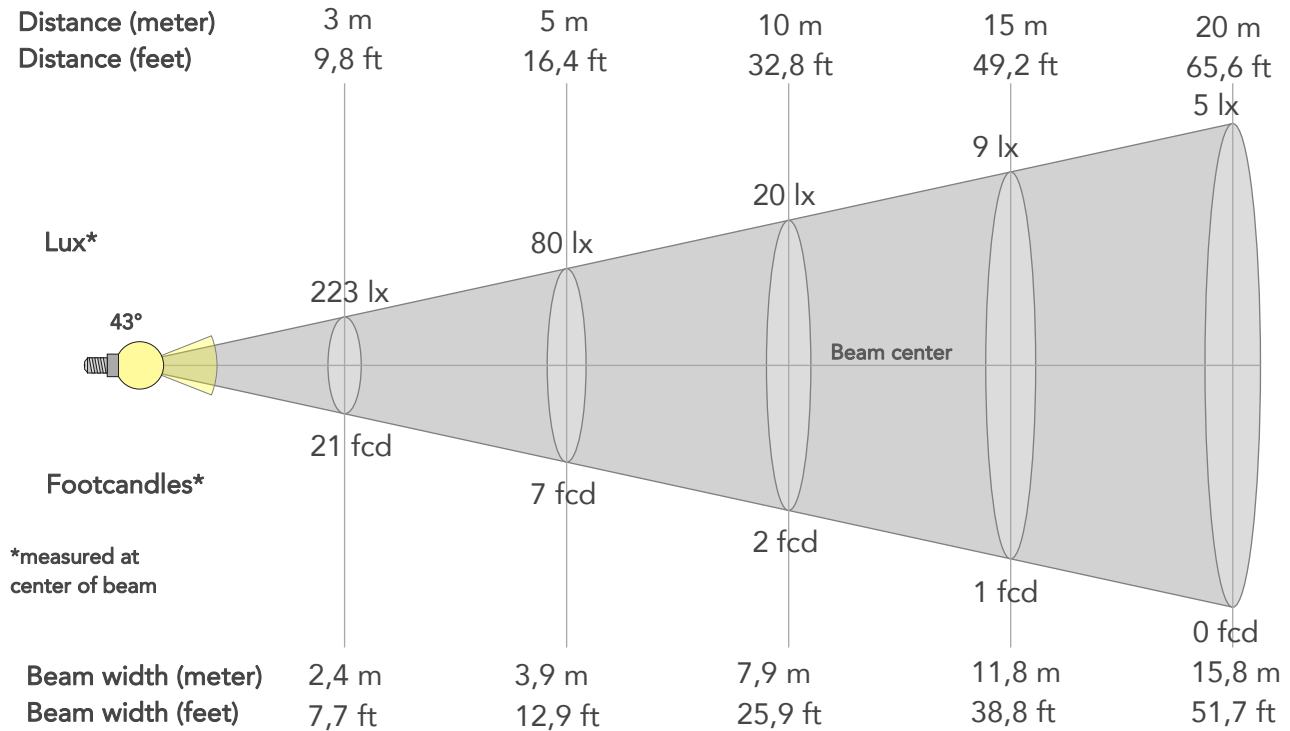
Rg 111,7
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	84	7%	-4%
2	95	1%	-1%
3	86	2%	7%
4	77	5%	13%
5	75	11%	12%
6	79	15%	4%
7	81	11%	-5%
8	84	3%	-9%
9	90	-5%	-6%
10	85	-7%	5%
11	70	-4%	19%
12	69	0%	22%
13	74	8%	23%
14	74	13%	11%
15	77	21%	8%
16	82	10%	-5%



BEAM DETAILS

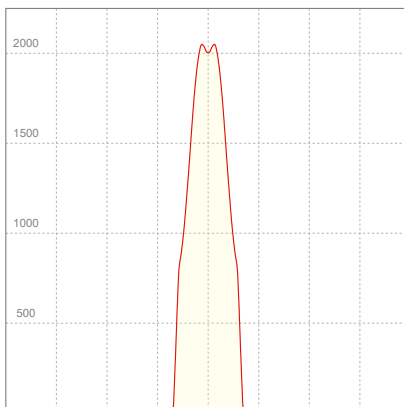
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43°	59,8°	61,9°	99,6%	99,3%



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	2007lx	502lx	223lx	125lx	80lx	36lx	20lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	186fcd	47fcd	21fcd	12fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,2m	3,9m	5,9m	7,9m	11,8m	15,8m	19,7m	23,7m	31,5m	39,4m
Beam wid.	2,6ft	5,2ft	7,7ft	10,3ft	12,9ft	19,4ft	25,9ft	38,8ft	51,7ft	64,7ft	77,6ft	103,4ft	129,3ft

LINEAR DISTRIBUTION DIAGRAM

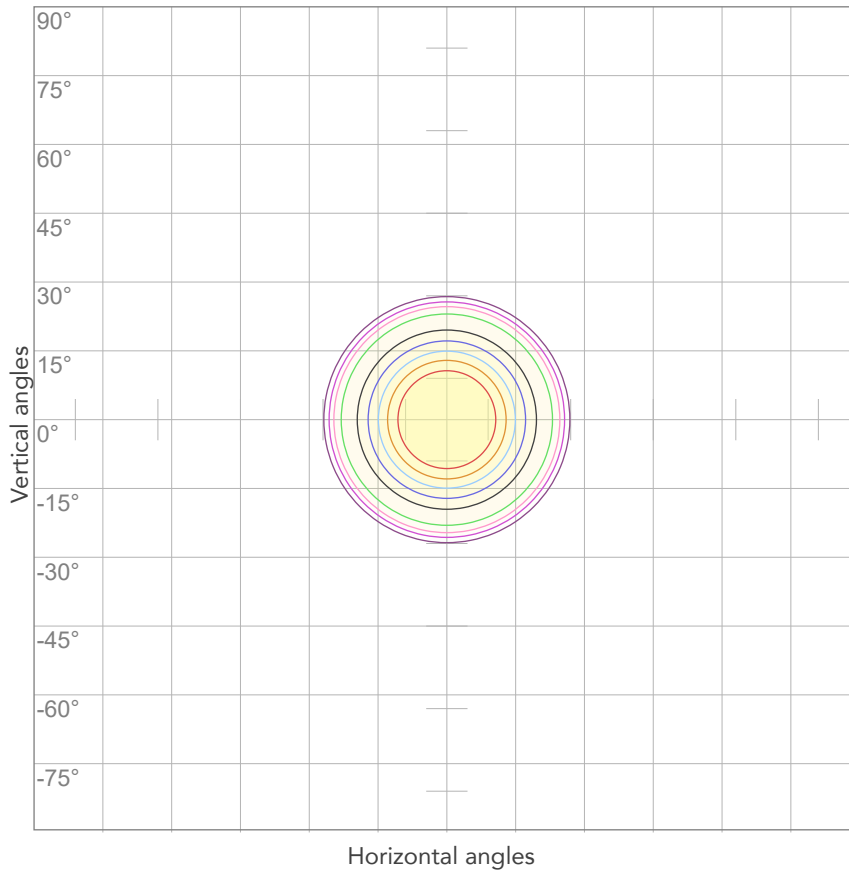


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,399A	82,8W	0,93	12lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



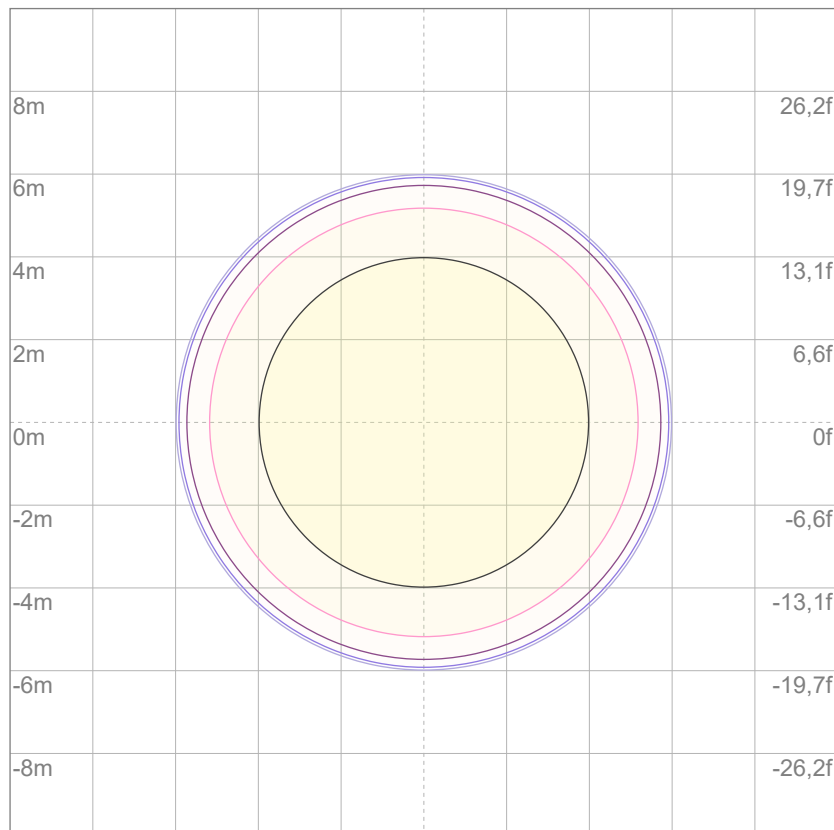
10%	201 cd
20%	401 cd
30%	602 cd
40%	803 cd
50%	1003 cd
60%	1204 cd
70%	1405 cd
80%	1606 cd

Conditions:

Number of c-planes: 2

Candela at center: 2007 cd

ISO LUX DIAGRAM



3%	0,602 lx
5%	1,00 lx
10%	2,01 lx
30%	6,02 lx
50%	10,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 20,1 lx

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



Total lumen output:

1175 lm

Peak candela output:

4137 cd

Light quality:

CRI: 80,4

Color temperature:

5546 K

PRODUCT NAME:

Mosaico FX100 FC

MEASUREMENT CONDITIONS:

Beam angle:

Optic 30° MFX100LGBM

Target:

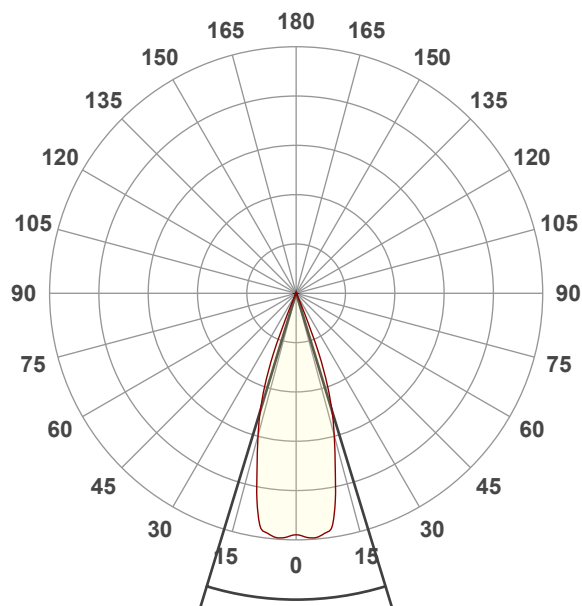
5600K

Operator:

Salvatore Giglio

Date and time:

30/08/2024 12:30:53

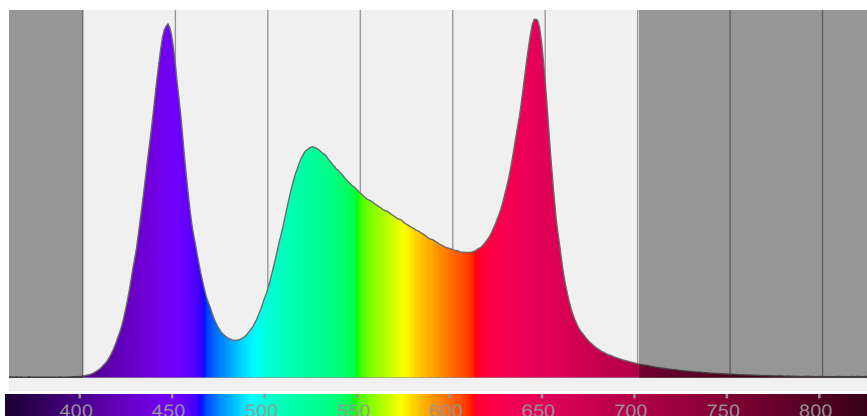


Beam angle 50%: 33,9°

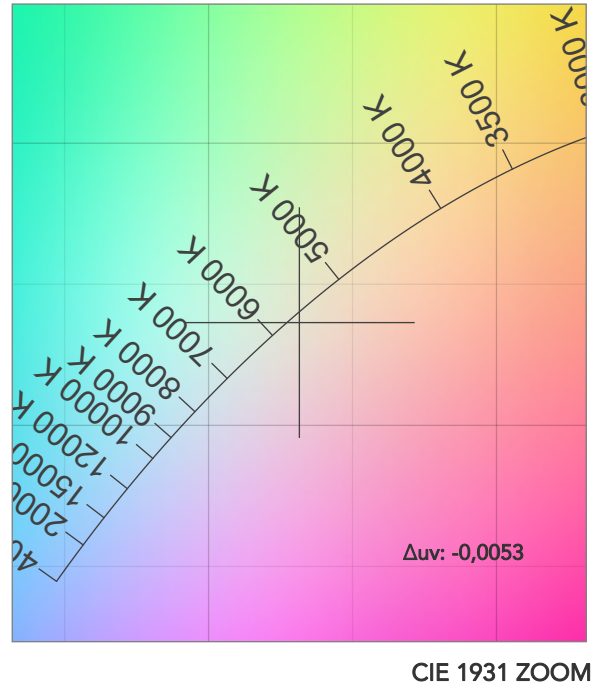
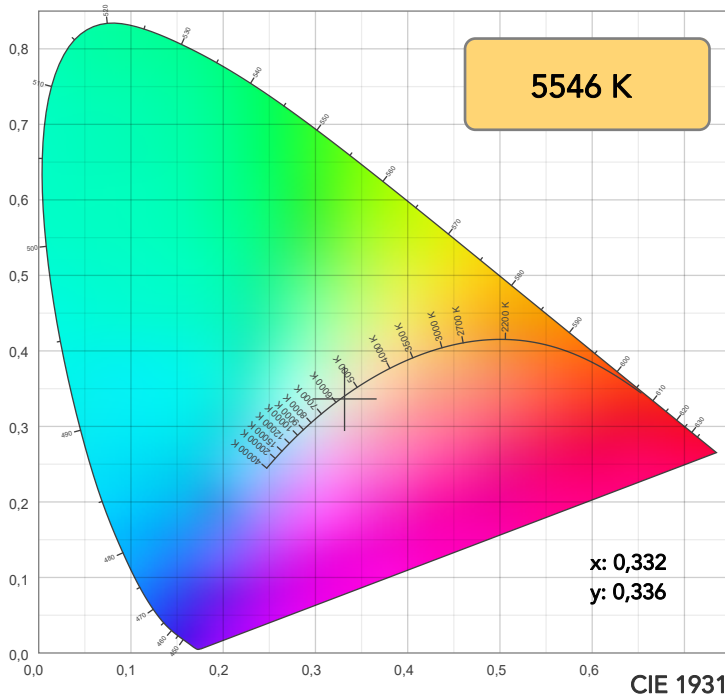
Field angle 10%: 45,2°

Cut off angle 2.5%: 48,7°

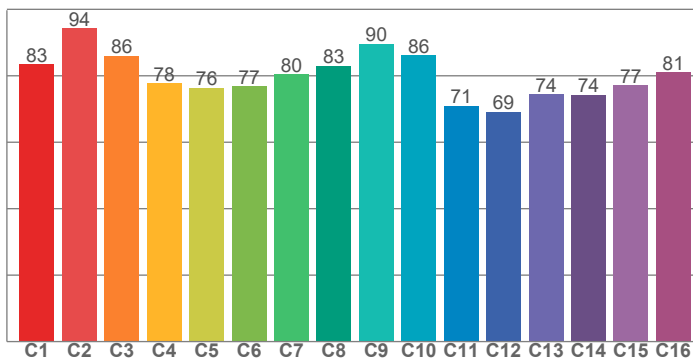
Spectra



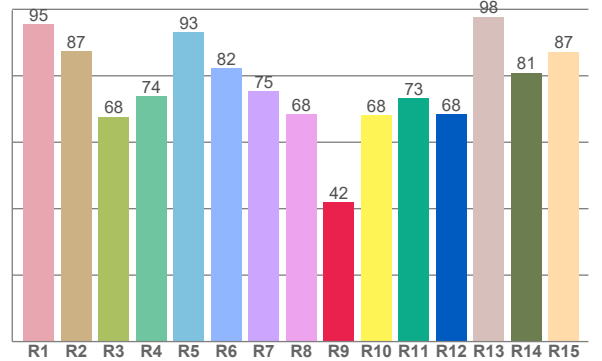
COLOR DETAILS



TM30: 80,3



CRI: 80,4 (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
95,5	87,4	67,6	73,8	93,2	82,3	75,3	68,4	42,0	68,1	73,2	68,4	97,8	80,9	87,2

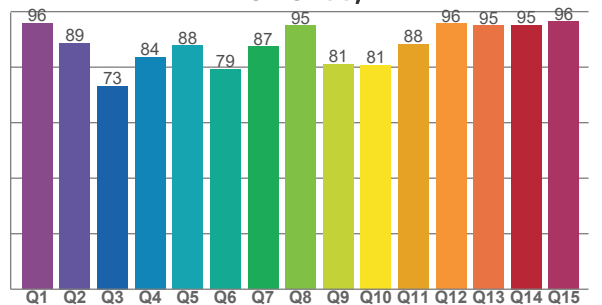
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
83,5	94,2	85,9	77,7	76,4	76,8	80,4	83,0	89,6	86,1	71,0	69,2	74,4	74,3	77,1	81,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,8	88,7	73,3	83,6	87,7	79,2	87,5	95,0	81,1	80,8	88,3	95,7	95,0	95,2	96,4

CQS: 86,2



COLOR PARAMETERS

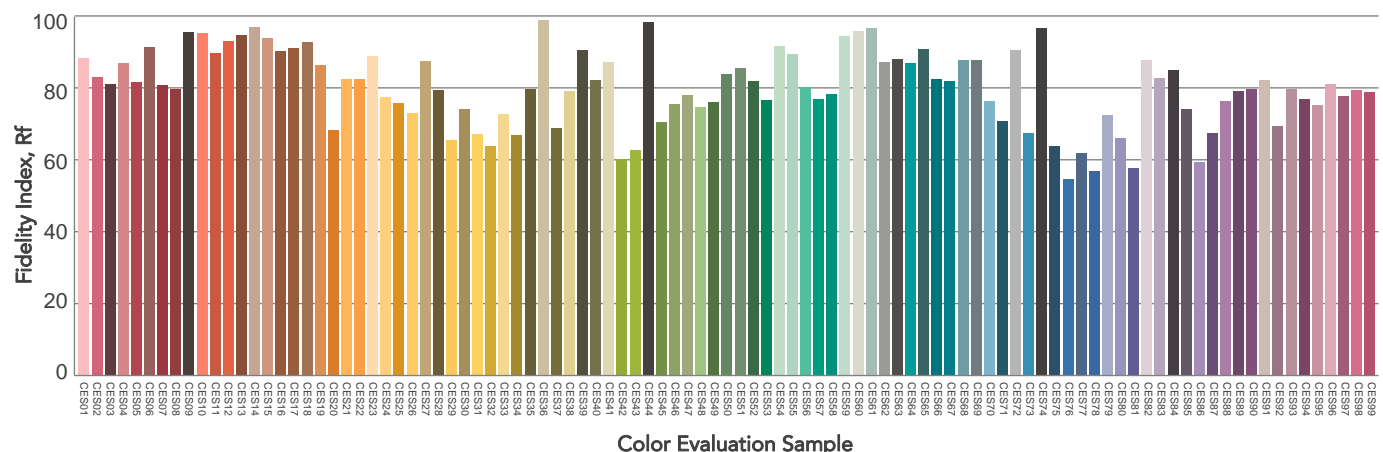
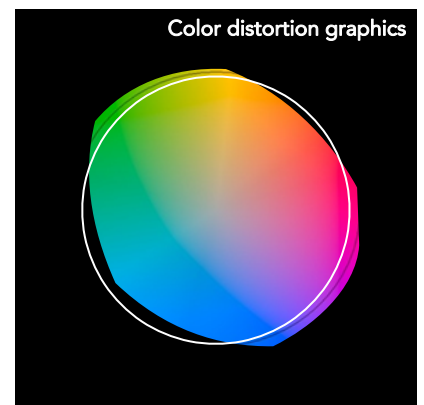
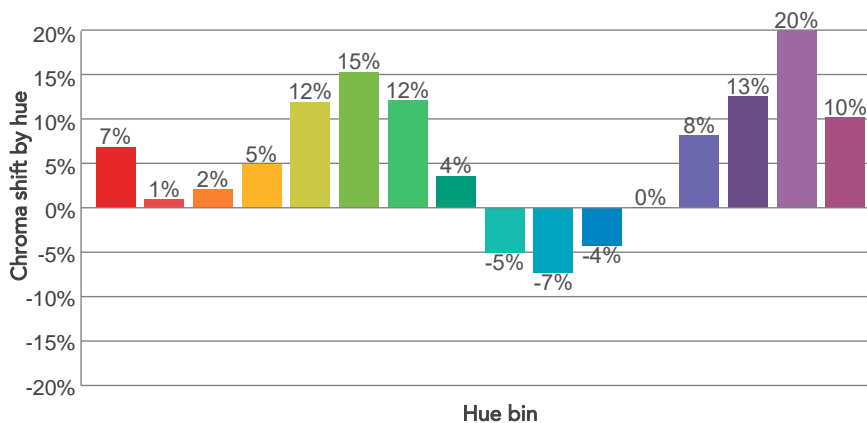
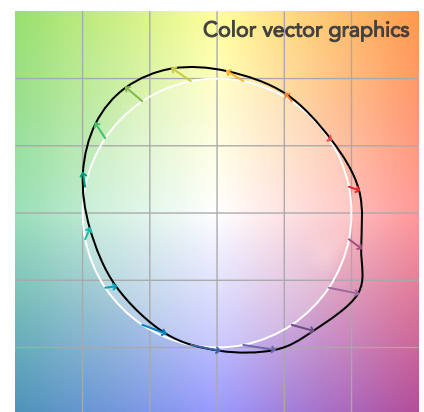
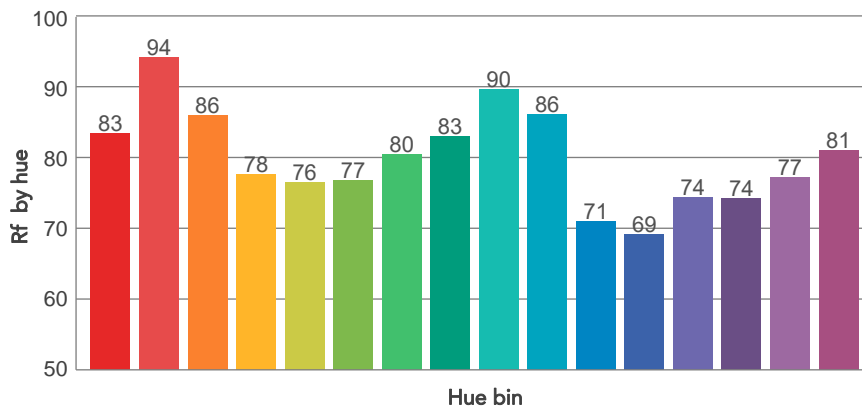
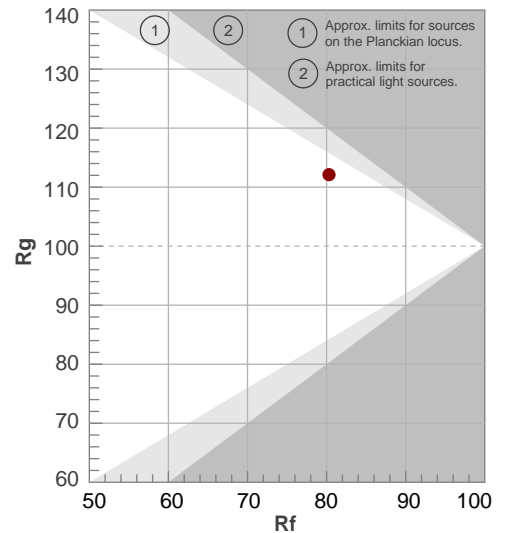
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5546 K	80,4	42,0	80,3	112,1	86,2	76	0,332	0,336	-0,0053

TM30 DETAILS

Rf 80,3
Fidelity index Rf

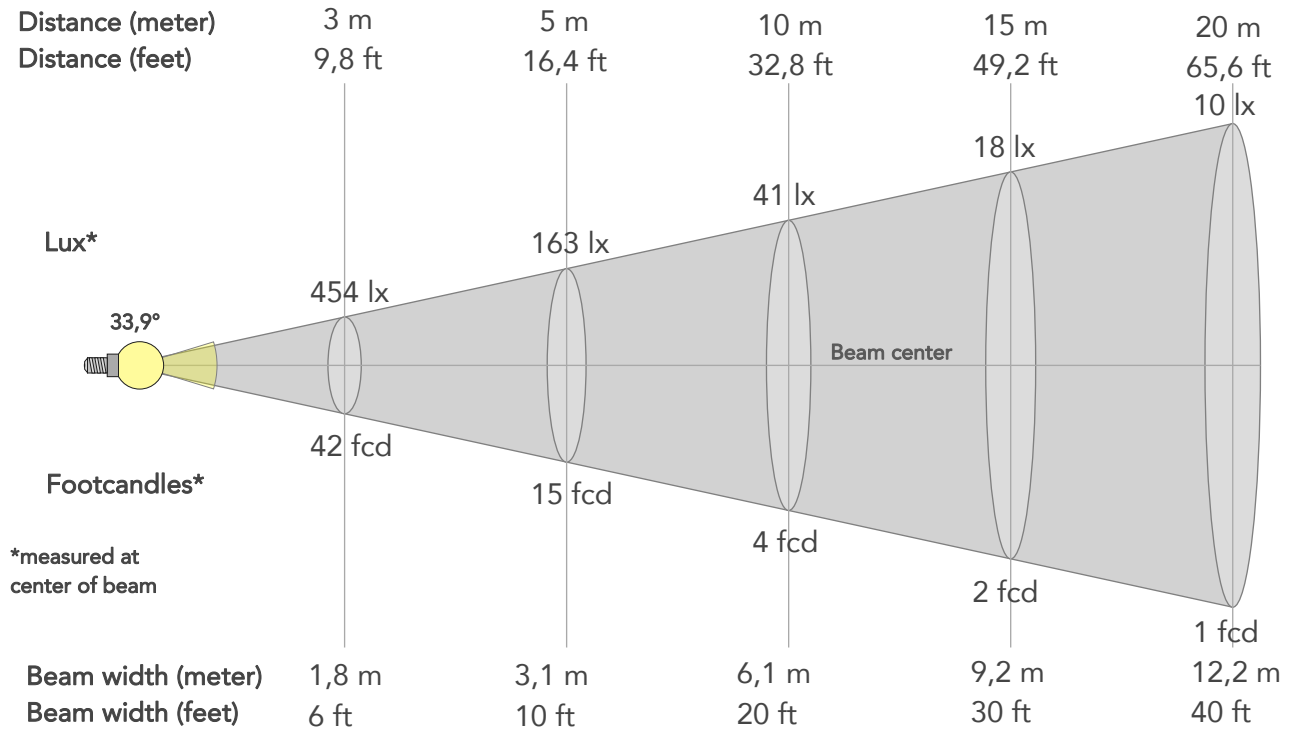
Rg 112,1
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	83	7%	-4%
2	94	1%	-2%
3	86	2%	7%
4	78	5%	13%
5	76	12%	12%
6	77	15%	4%
7	80	12%	-5%
8	83	4%	-10%
9	90	-5%	-7%
10	86	-7%	4%
11	71	-4%	18%
12	69	0%	22%
13	74	8%	22%
14	74	13%	11%
15	77	20%	8%
16	81	10%	-5%



BEAM DETAILS

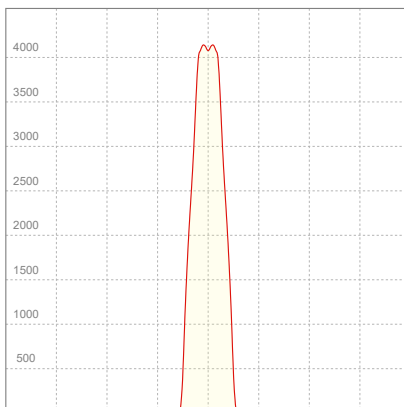
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,9°	45,2°	48,7°	99,6%	99,5%



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	4083lx	1021lx	454lx	255lx	163lx	73lx	41lx	18lx	10lx	7lx	5lx	3lx	2lx
Footcand.	379fcd	95fcd	42fcd	24fcd	15fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3,1m	4,6m	6,1m	9,2m	12,2m	15,3m	18,3m	24,4m	30,5m
Beam wid.	2ft	4ft	6ft	8ft	10ft	15ft	20ft	30ft	40ft	50ft	60ft	80ft	100,1ft

LINEAR DISTRIBUTION DIAGRAM

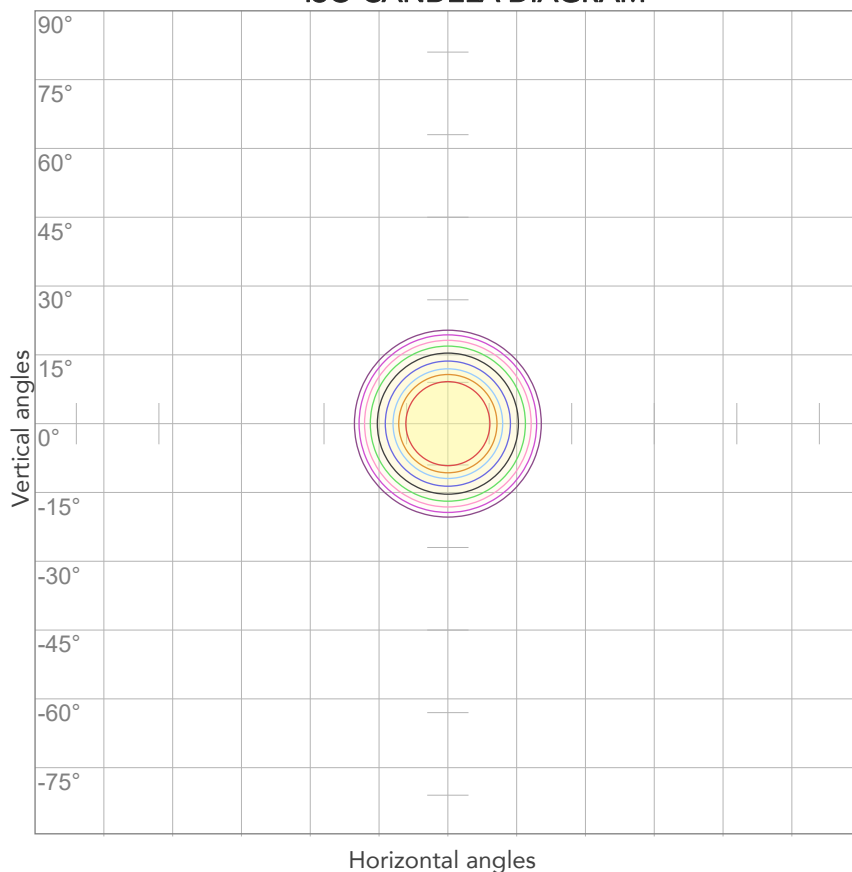


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,368A	82,8W	0,93	14lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



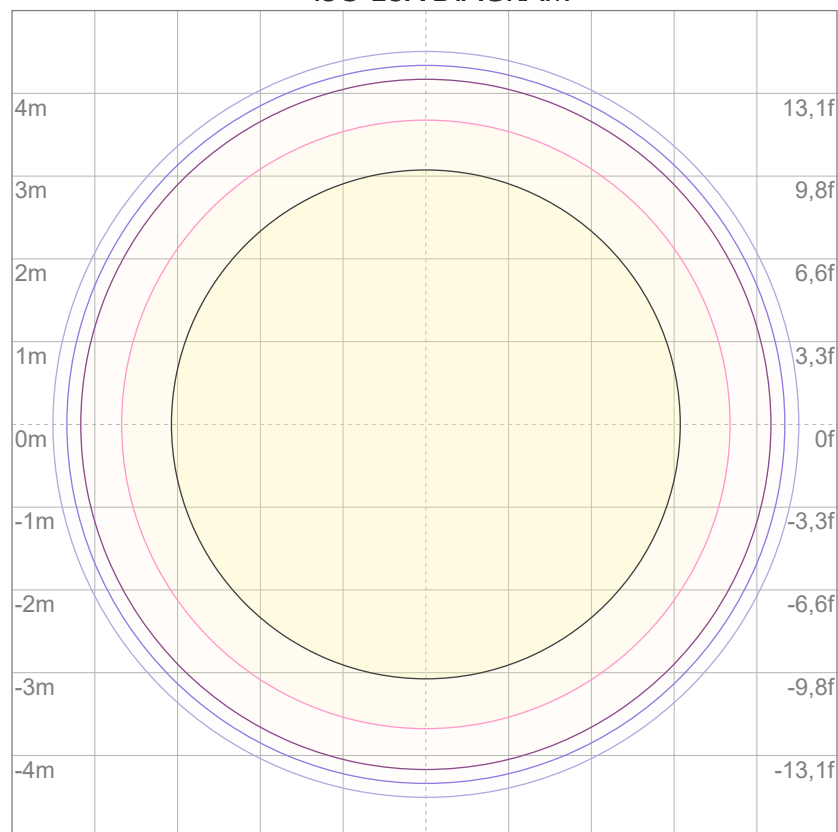
10%	408 cd
20%	817 cd
30%	1225 cd
40%	1633 cd
50%	2041 cd
60%	2450 cd
70%	2858 cd
80%	3266 cd

Conditions:

Number of c-planes: 2

Candela at center: 4083 cd

ISO LUX DIAGRAM



3%	1,22 lx
5%	2,04 lx
10%	4,08 lx
30%	12,2 lx
50%	20,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 40,8 lx

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



Total lumen output:

956 lm

Peak candela output:

1980 cd

Light quality:

CRI: 81,3

Color temperature:

5773 K

PRODUCT NAME:

Mosaico FX100 FC

MEASURAMENT CONDITIONS:

Beam angle:

Optic 50° MFX100LGBW

Target:

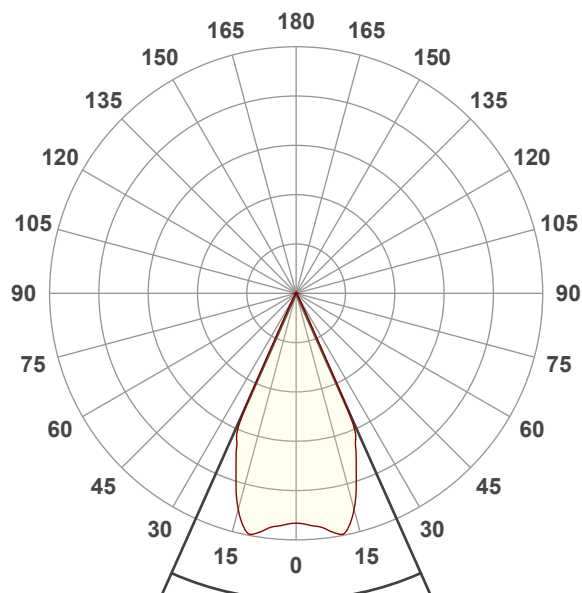
5600K

Operator:

Salvatore Giglio

Date and time:

29/08/2024 16:24:28

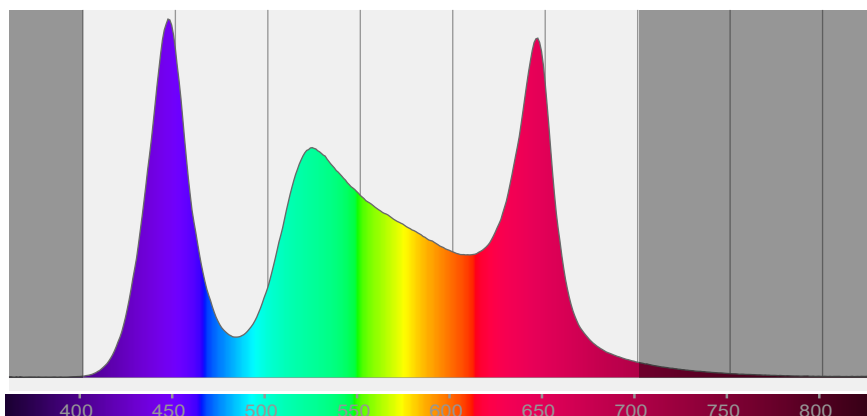


Beam angle 50%: 48°

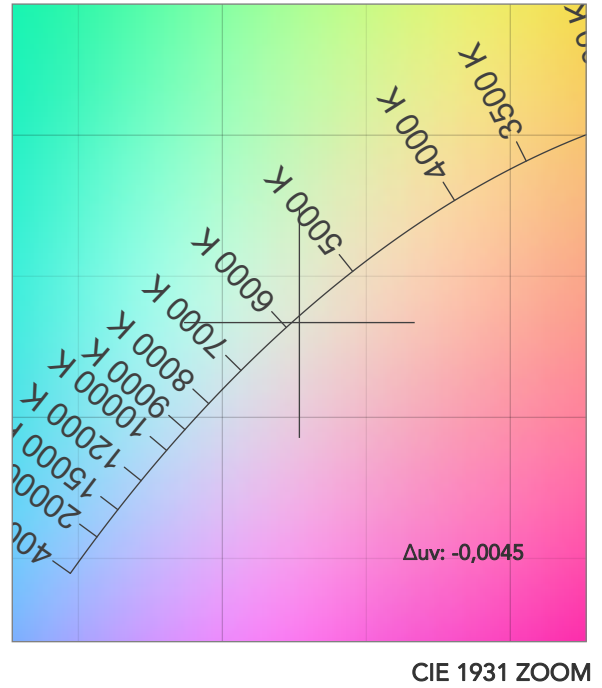
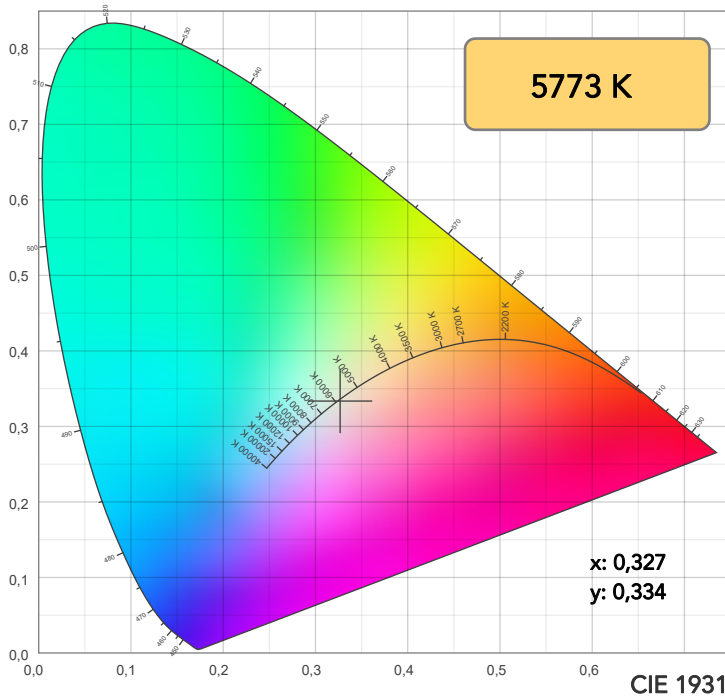
Field angle 10%: 52,3°

Cut off angle 2.5%: 56°

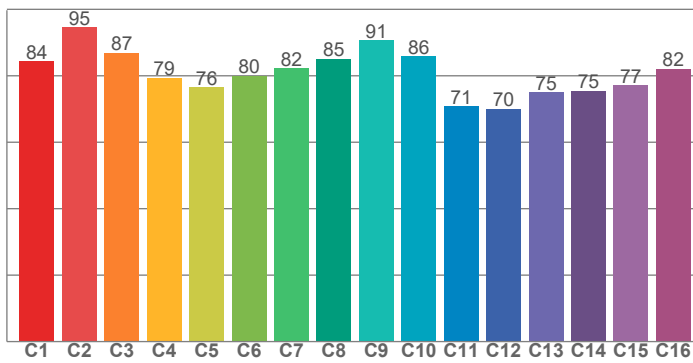
Spectra



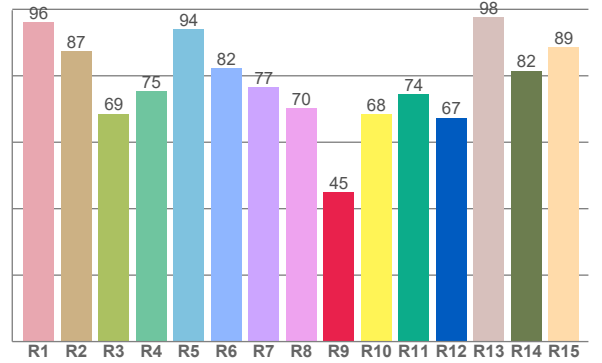
COLOR DETAILS



TM30: 81,3



CRI: 81,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,2	87,4	68,6	75,3	93,9	82,3	76,6	70,3	44,9	68,4	74,4	67,4	97,6	81,5	88,6

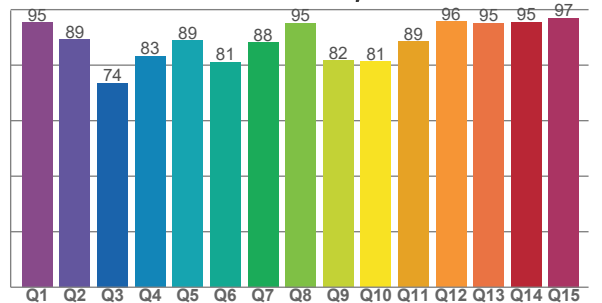
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
84,3	94,6	86,9	79,4	76,4	79,9	82,3	85,1	90,7	85,8	70,8	70,0	75,0	75,4	77,1	82,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,3	89,2	73,5	83,2	88,9	81,0	88,1	95,2	81,7	81,3	88,5	95,7	95,1	95,4	97,0

CQS: 86,7



COLOR PARAMETERS

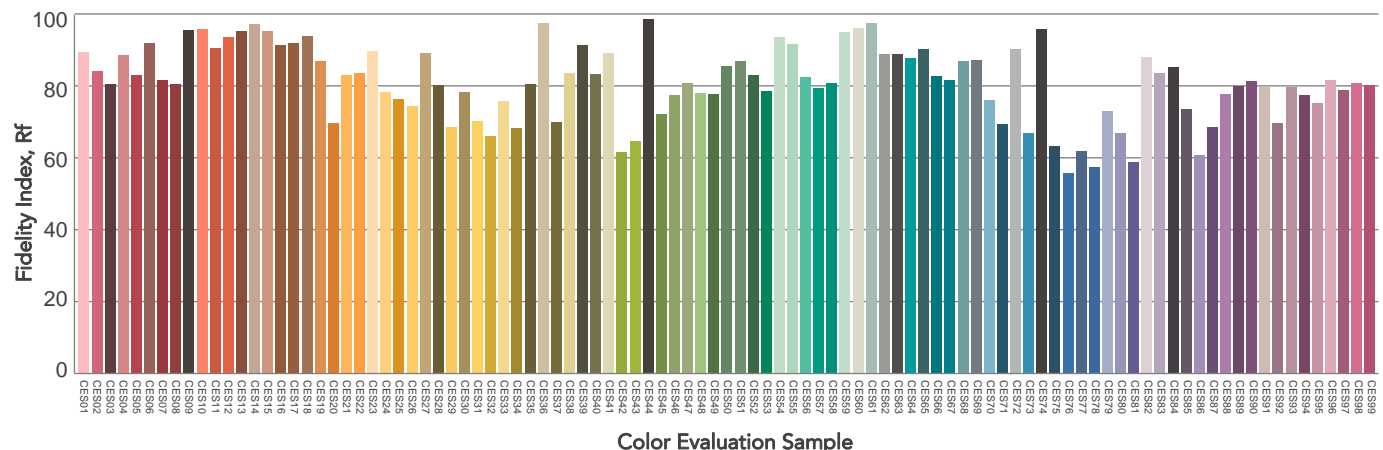
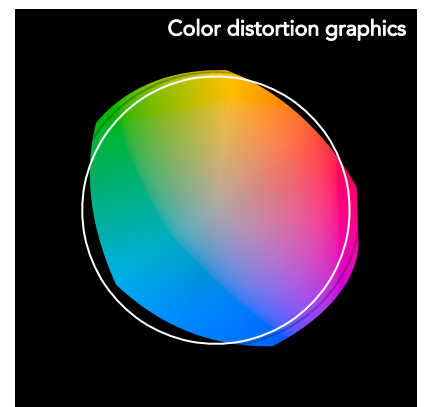
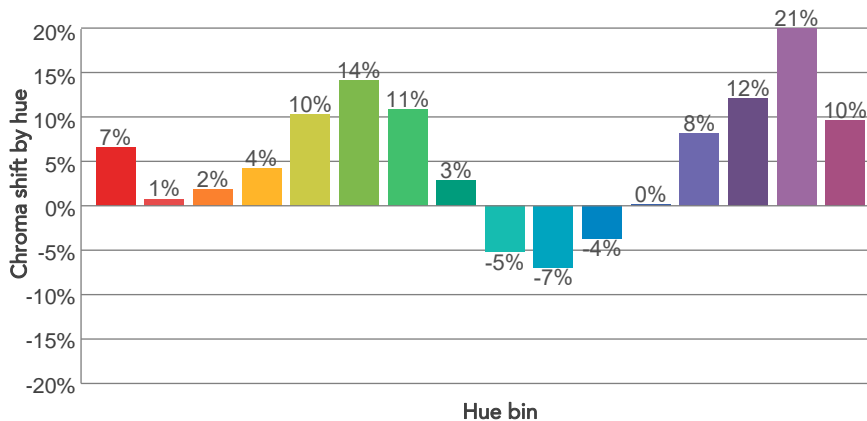
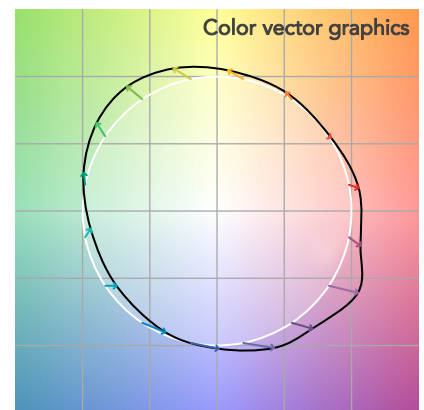
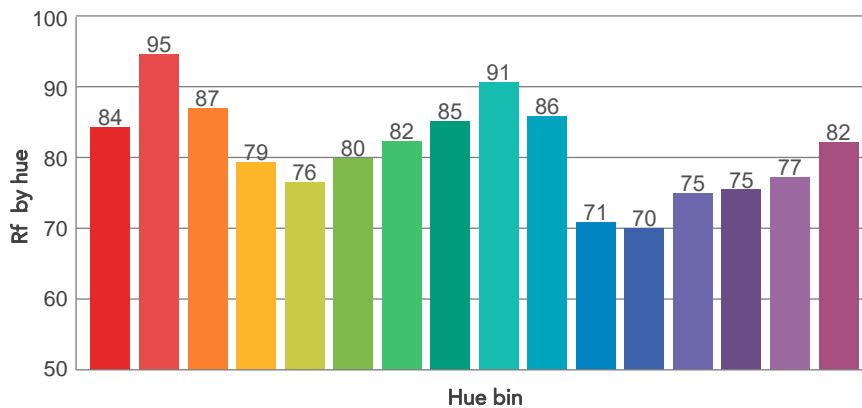
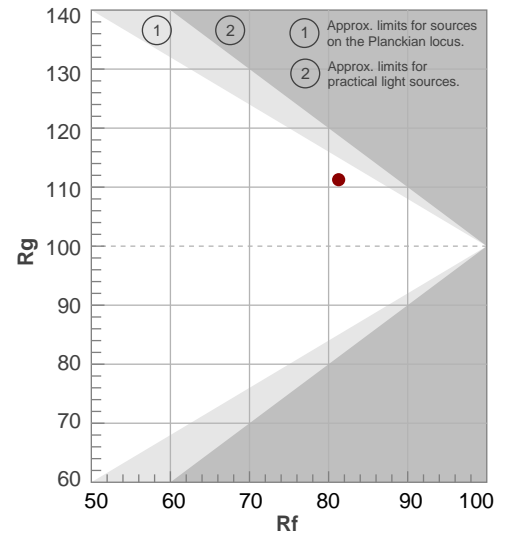
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5773 K	81,3	44,9	81,3	111,3	86,7	79	0,327	0,334	-0,0045

TM30 DETAILS

Rf 81,3
Fidelity index Rf

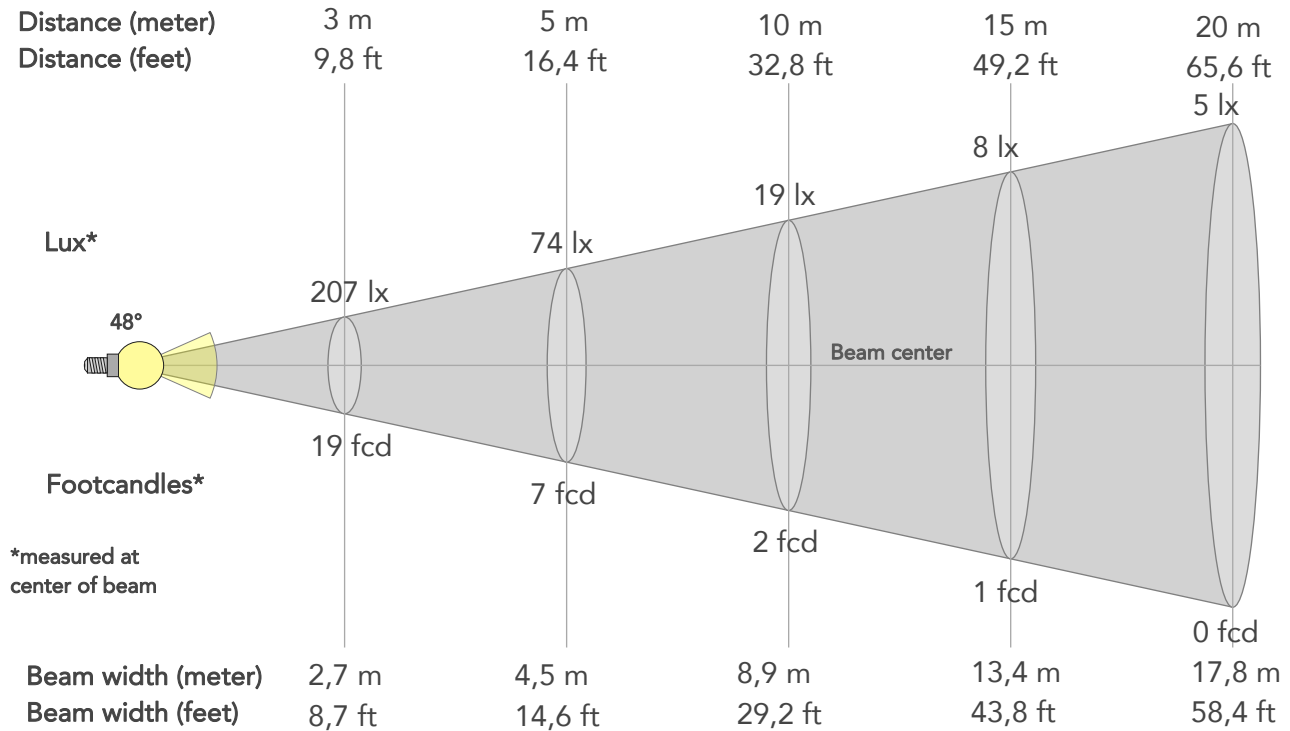
Rg 111,3
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	84	7%	-4%
2	95	1%	-2%
3	87	2%	6%
4	79	4%	12%
5	76	10%	11%
6	80	14%	4%
7	82	11%	-5%
8	85	3%	-8%
9	91	-5%	-5%
10	86	-7%	5%
11	71	-4%	18%
12	70	0%	21%
13	75	8%	22%
14	75	12%	10%
15	77	21%	8%
16	82	10%	-5%



BEAM DETAILS

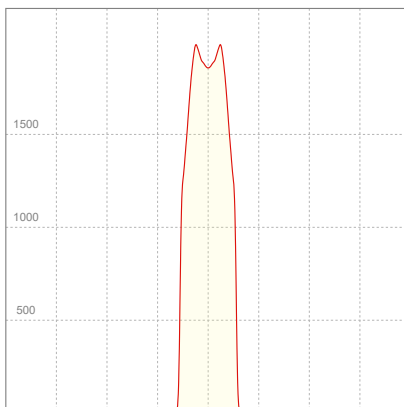
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48°	52,3°	56°	99,7%	99,5%



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	1860lx	465lx	207lx	116lx	74lx	33lx	19lx	8lx	5lx	3lx	2lx	1lx	1lx
Footcand.	173fcd	43fcd	19fcd	11fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,8m	2,7m	3,6m	4,5m	6,7m	8,9m	13,4m	17,8m	22,3m	26,7m	35,6m	44,5m
Beam wid.	2,9ft	5,9ft	8,7ft	11,7ft	14,6ft	21,9ft	29,2ft	43,8ft	58,4ft	73,1ft	87,7ft	116,9ft	146,1ft

LINEAR DISTRIBUTION DIAGRAM

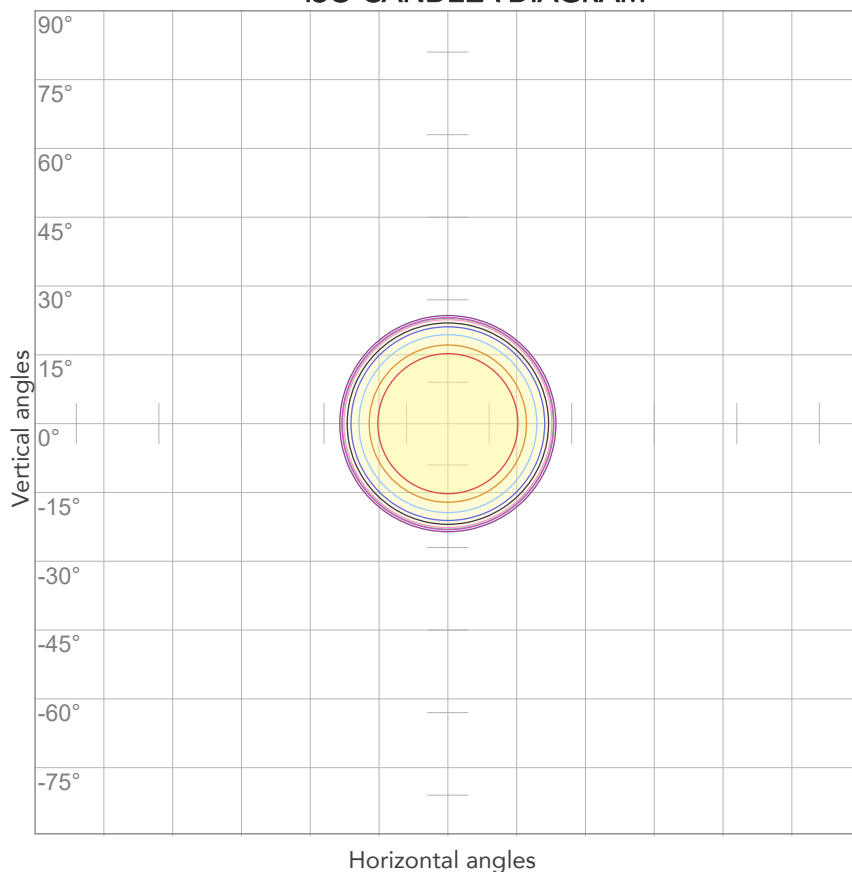


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,399A	82,9W	0,93	12lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



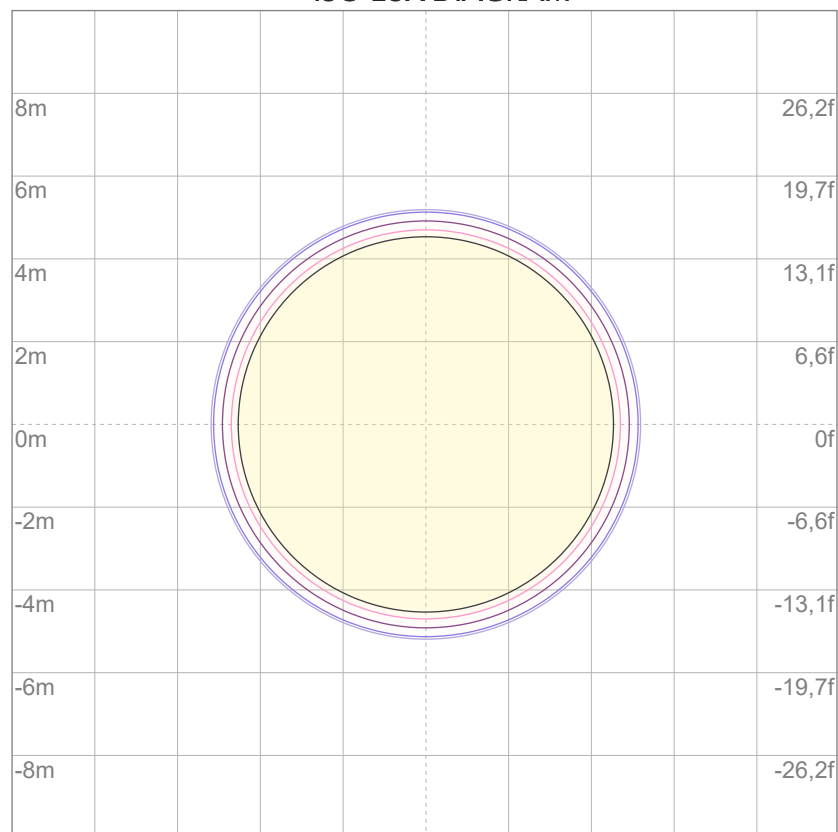
10%	186 cd
20%	372 cd
30%	558 cd
40%	744 cd
50%	930 cd
60%	1116 cd
70%	1302 cd
80%	1488 cd

Conditions:

Number of c-planes: 2

Candela at center: 1860 cd

ISO LUX DIAGRAM



3%	0,558 lx
5%	0,930 lx
10%	1,86 lx
30%	5,58 lx
50%	9,30 lx

Conditions:

Number of c-planes: 2

Lux at center: 18,6 lx

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