

Photometric Test Report



ECLFRESNELCT+L

600W indoor Led Fresnel with 6 color source
250mm-10"led
(High Quality Mode)

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Color temperature 4000K

Max Zoom 98

Med Zoom 103

Min Zoom 108

Color temperature 5600K

Max Zoom 113

Med Zoom 118

Min Zoom 123

Color temperature 6000K

Max Zoom 128

Med Zoom 133

Min Zoom 138

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:

9830 lm

Peak candela output:

12947 cd

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

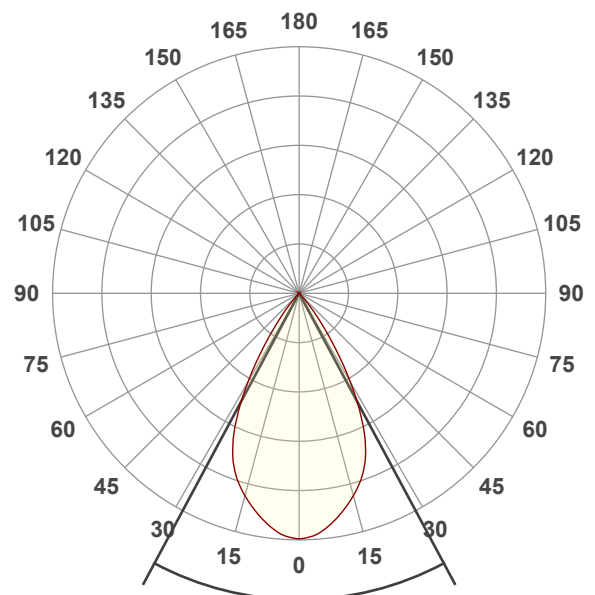
Full On - HQ

Operator:

Salvatore Giglio

Date and time:

03/10/2023 14:59:43

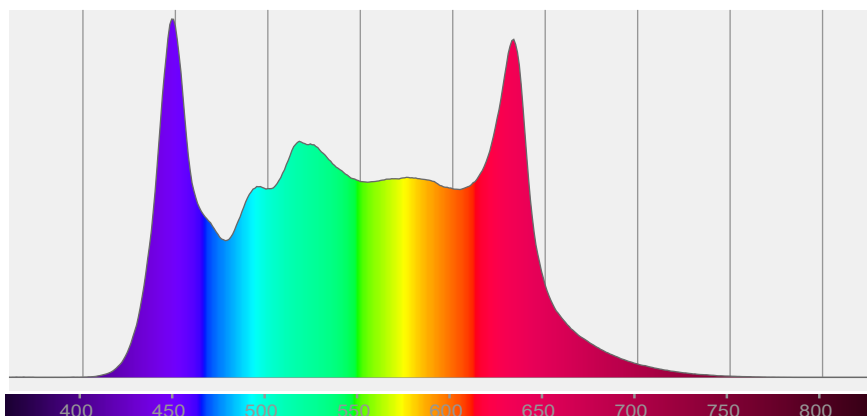


Beam angle 50%: 56,4°

Field angle 10%: 77,1°

Cut off angle 2.5%: 86,1°

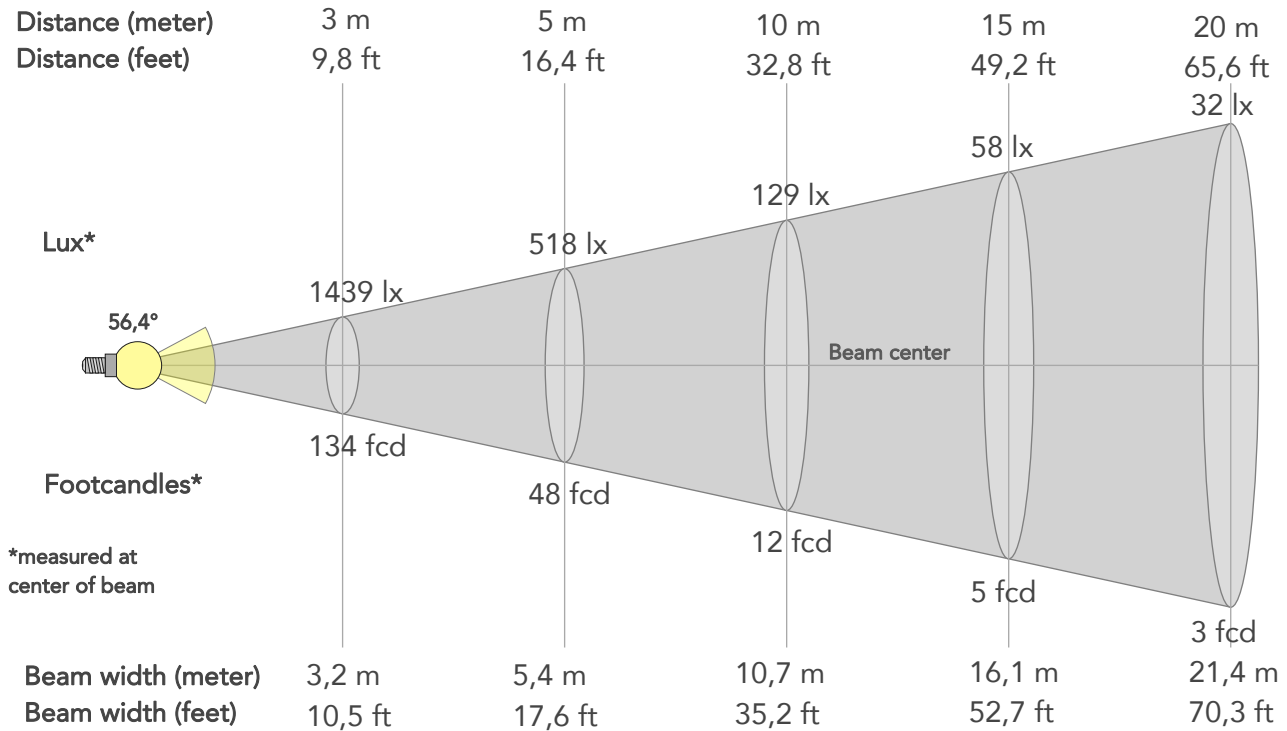
Spectra



BEAM DETAILS



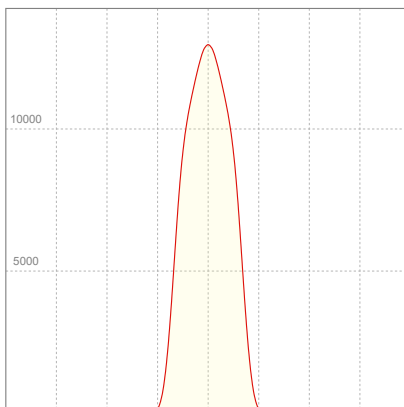
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,4°	77,1°	86,1°	100,0%	99,5%



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	12947lx	3237lx	1439lx	809lx	518lx	230lx	129lx	58lx	32lx	21lx	14lx	8lx	5lx
Footcand.	1203fcd	301fcd	134fcd	75fcd	48fcd	21fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	1,1m	2,1m	3,2m	4,3m	5,4m	8m	10,7m	16,1m	21,4m	26,8m	32,2m	42,9m	53,6m
Beam wid.	3,5ft	7,1ft	10,5ft	14ft	17,6ft	26,4ft	35,2ft	52,7ft	70,3ft	87,9ft	105,5ft	140,6ft	175,8ft

LINEAR DISTRIBUTION DIAGRAM

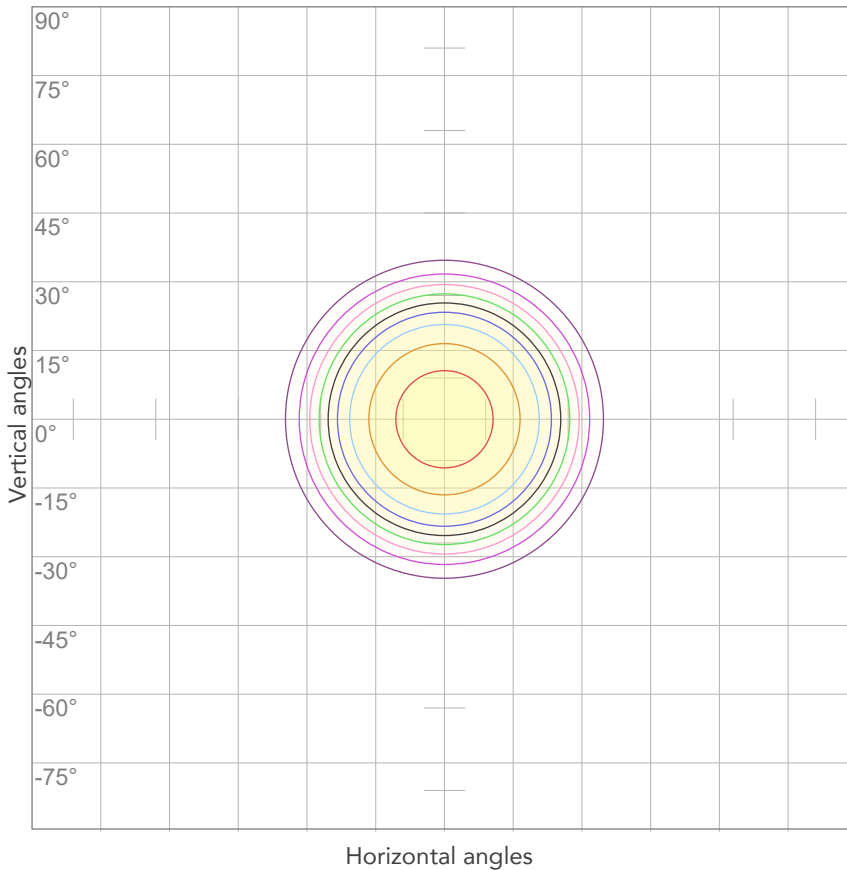


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,61A	361,4W	27lm/W

Power FC
0,99

ISO CANDELA DIAGRAM



10%	1295 cd
20%	2589 cd
30%	3884 cd
40%	5179 cd
50%	6474 cd
60%	7768 cd
70%	9063 cd
80%	10358 cd

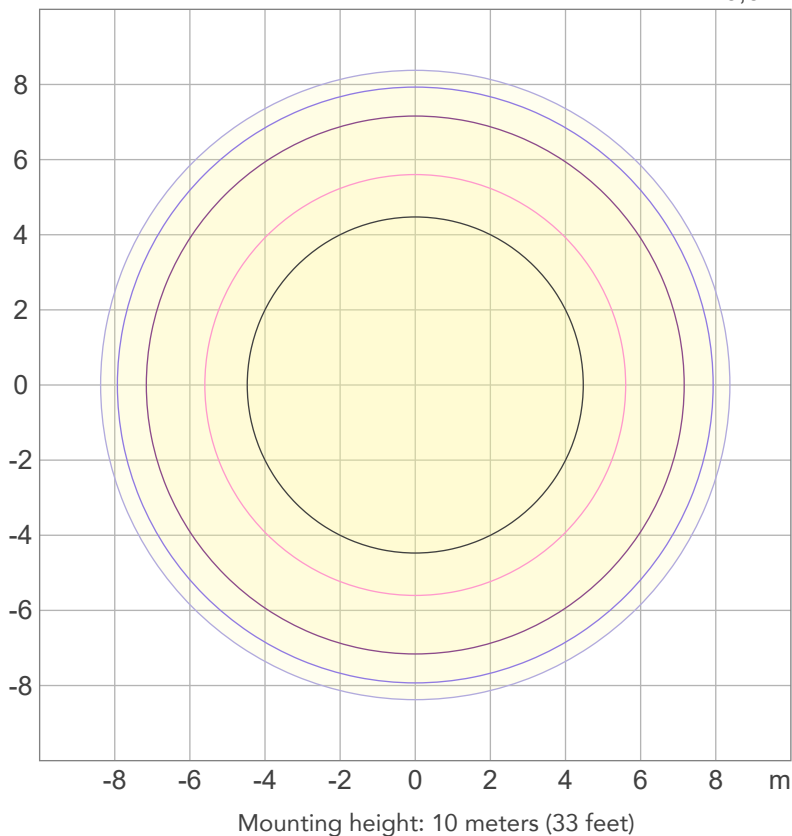
Conditions:

Number of c-planes: 2

Candela at center: 12947 cd

ISO LUX DIAGRAM

MH: 10,0 m



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

Conditions:

Number of c-planes: 2

Lux at center: 129 lx

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



Total lumen output:

8022 lm

Peak candela output:

42027 cd

PRODUCT NAME:

ECLFRCTPL

MEASUREMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

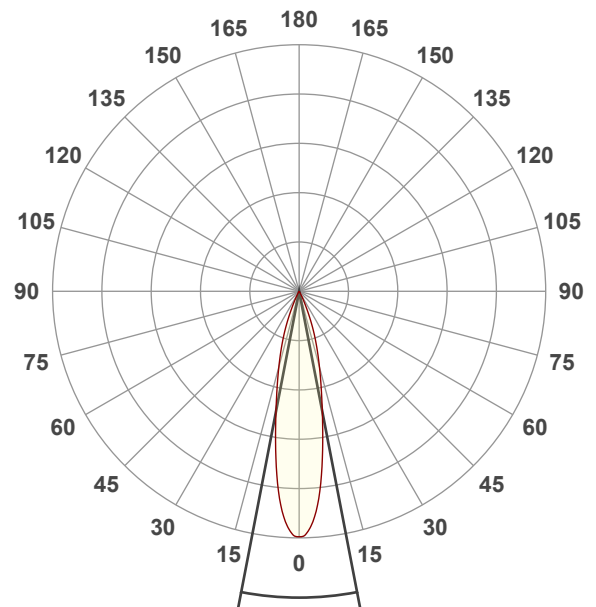
Full On - HQ

Operator:

Salvatore Giglio

Date and time:

03/10/2023 14:56:37

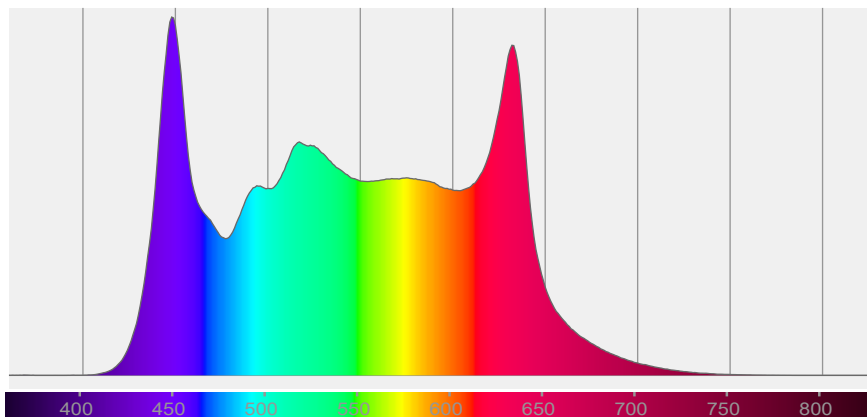


Beam angle 50%: 21,8°

Field angle 10%: 45,1°

Cut off angle 2.5%: 54,3°

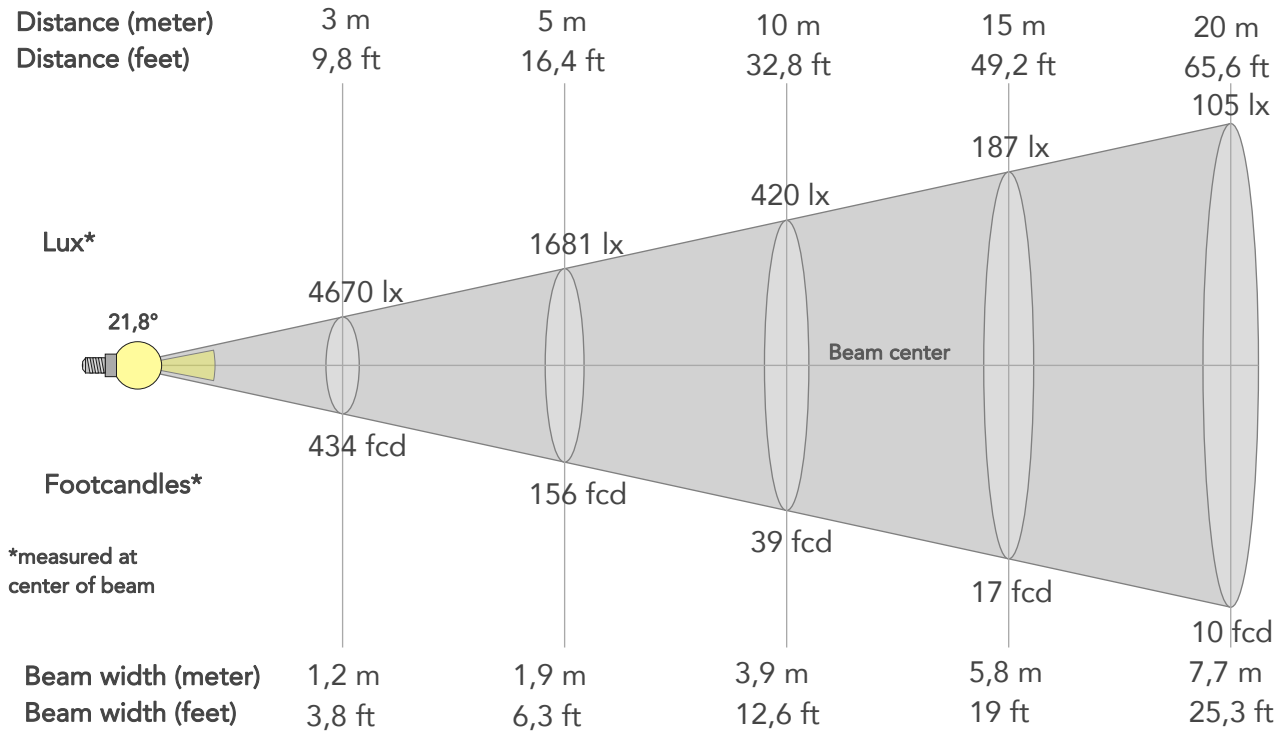
Spectra



BEAM DETAILS



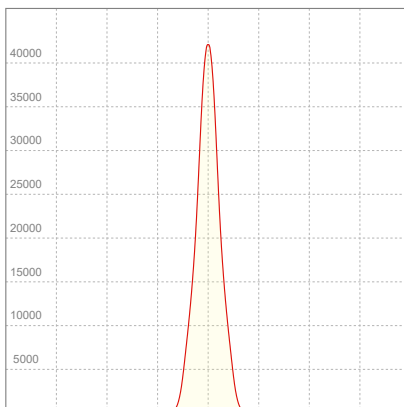
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,8°	45,1°	54,3°	100,0%	99,9%



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	42027lx	10507lx	4670lx	2627lx	1681lx	747lx	420lx	187lx	105lx	67lx	47lx	26lx	17lx
Footcand.	3904fcd	976fcd	434fcd	244fcd	156fcd	69fcd	39fcd	17fcd	10fcd	6fcd	4fcd	2fcd	2fcd
Beam wid.	0,4m	0,8m	1,2m	1,5m	1,9m	2,9m	3,9m	5,8m	7,7m	9,6m	11,6m	15,4m	19,3m
Beam wid.	1,3ft	2,5ft	3,8ft	5ft	6,3ft	9,5ft	12,6ft	19ft	25,3ft	31,6ft	37,9ft	50,5ft	63,2ft

LINEAR DISTRIBUTION DIAGRAM

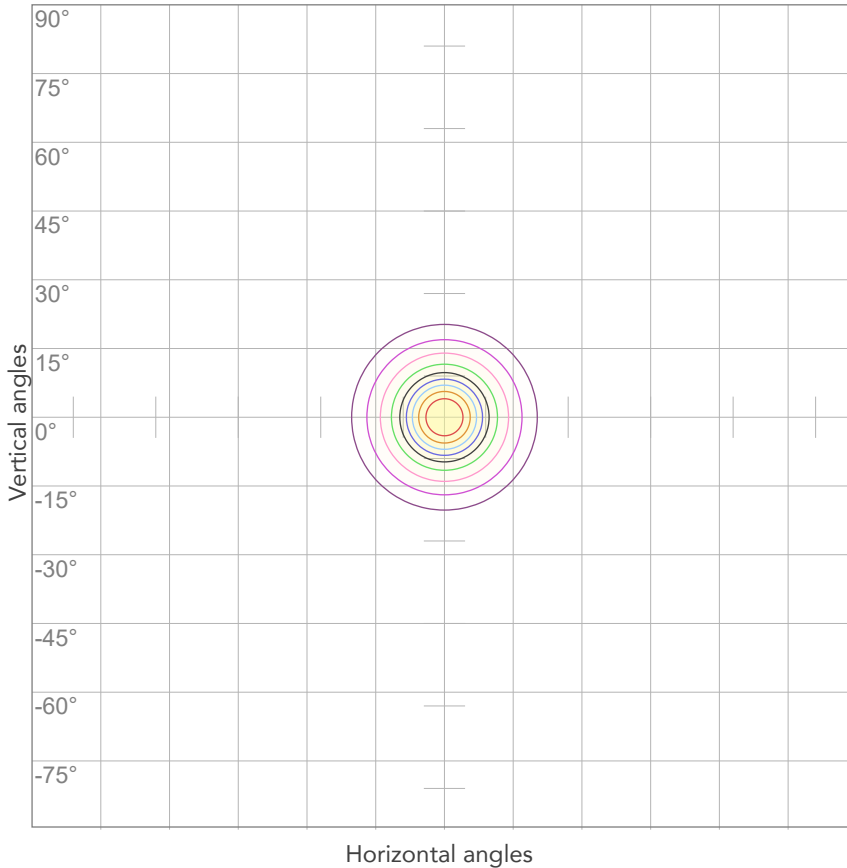


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,61A	361,1W	22lm/W

Power FC
0,99

ISO CANDELA DIAGRAM



10%	4203 cd
20%	8405 cd
30%	12608 cd
40%	16811 cd
50%	21014 cd
60%	25216 cd
70%	29419 cd
80%	33622 cd

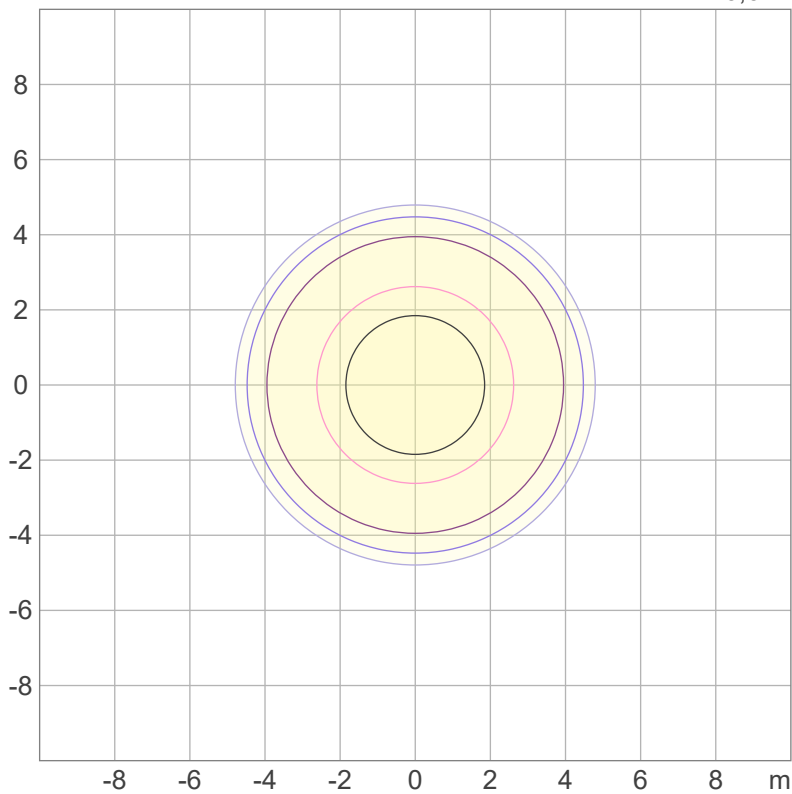
Conditions:

Number of c-planes: 2

Candela at center: 42027 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

3%	12,6 lx
5%	21,0 lx
10%	42,0 lx
30%	126 lx
50%	210 lx

Conditions:

Number of c-planes: 2

Lux at center: 420 lx

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



Total lumen output:

4280 lm

Peak candela output:

111789 cd

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

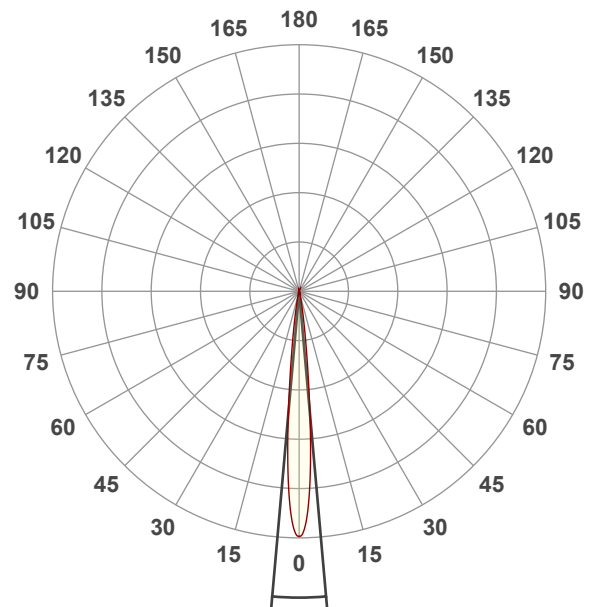
Full On - HQ

Operator:

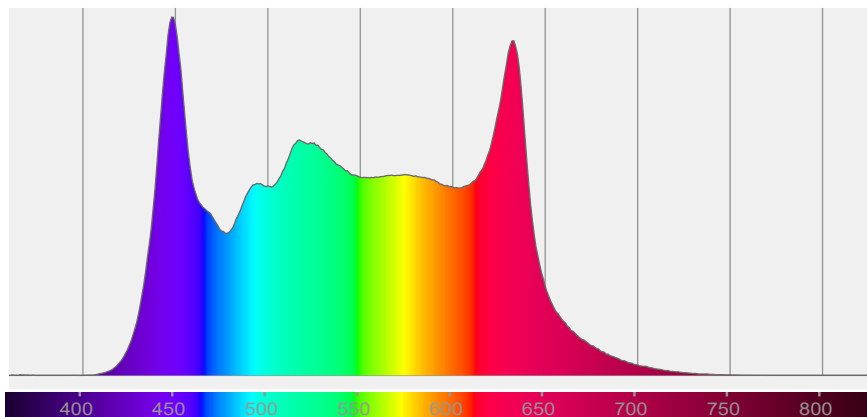
Salvatore Giglio

Date and time:

03/10/2023 14:58:20



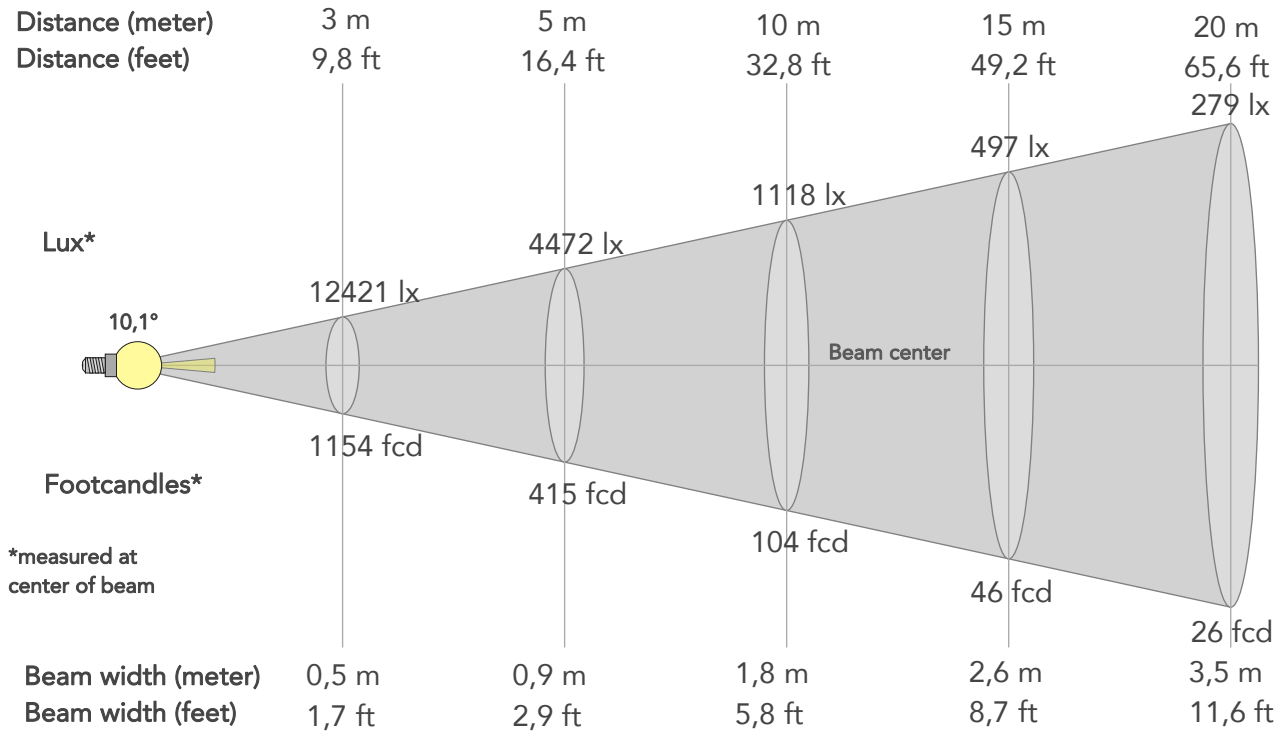
Spectra



BEAM DETAILS



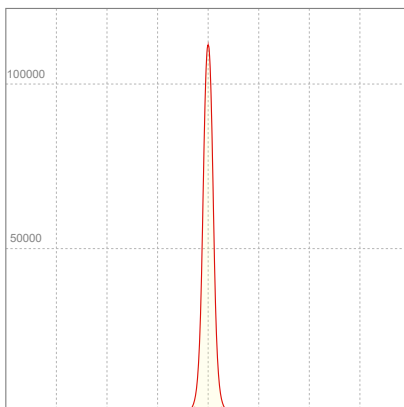
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,1°	18,7°	26,1°	100,0%	100,0%



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	111789lx	27947lx	12421lx	6987lx	4472lx	1987lx	1118lx	497lx	279lx	179lx	124lx	70lx	45lx
Footcand.	10386fcd	2596fcd	1154fcd	649fcd	415fcd	185fcd	104fcd	46fcd	26fcd	17fcd	12fcd	6fcd	4fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,6m	3,5m	4,4m	5,3m	7,1m	8,8m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,3ft	5,8ft	8,7ft	11,6ft	14,5ft	17,4ft	23,2ft	28,9ft

LINEAR DISTRIBUTION DIAGRAM

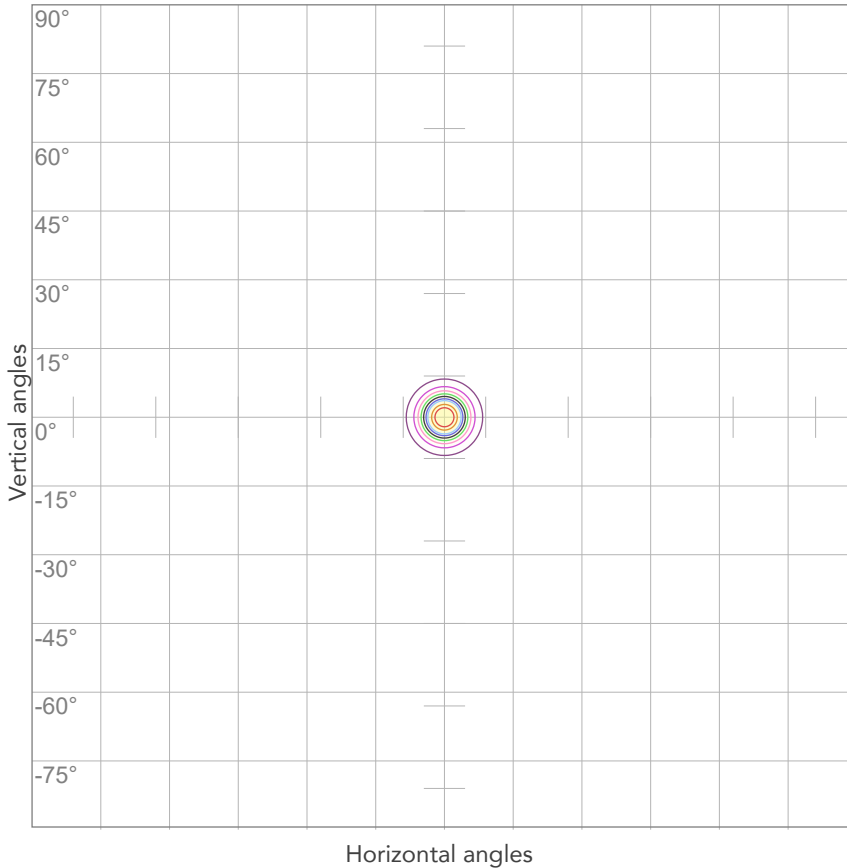


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,62A	361W	12lm/W

Power FC
0,99

ISO CANDELA DIAGRAM



10%	11179 cd
20%	22358 cd
30%	33537 cd
40%	44716 cd
50%	55894 cd
60%	67073 cd
70%	78252 cd
80%	89431 cd

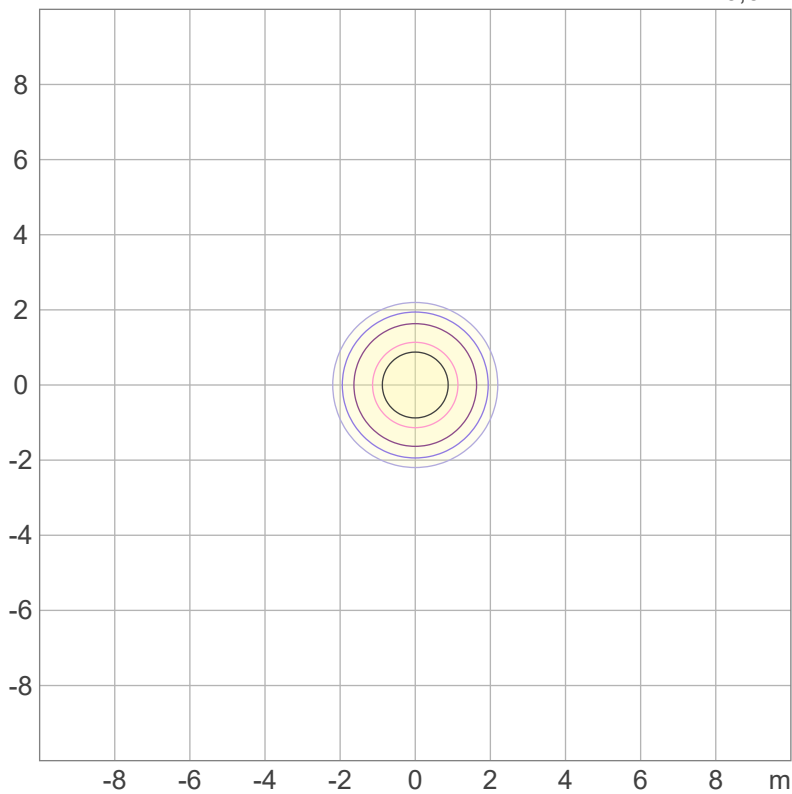
Conditions:

Number of c-planes: 2

Candela at center: 111789 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

3%	33,5 lx
5%	55,9 lx
10%	112 lx
30%	335 lx
50%	559 lx

Conditions:

Number of c-planes: 2

Lux at center: 1118 lx

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



Total lumen output:

1356 lm

Peak candela output:

1760 cd

PRODUCT NAME:

ECLFRCTPL

MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom - HQ

Target:

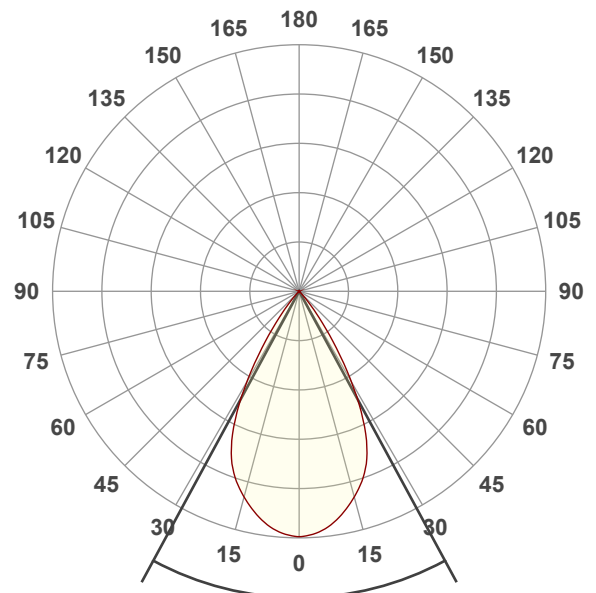
Red

Operator:

Salvatore Giglio

Date and time:

21/09/2023 14:15:10

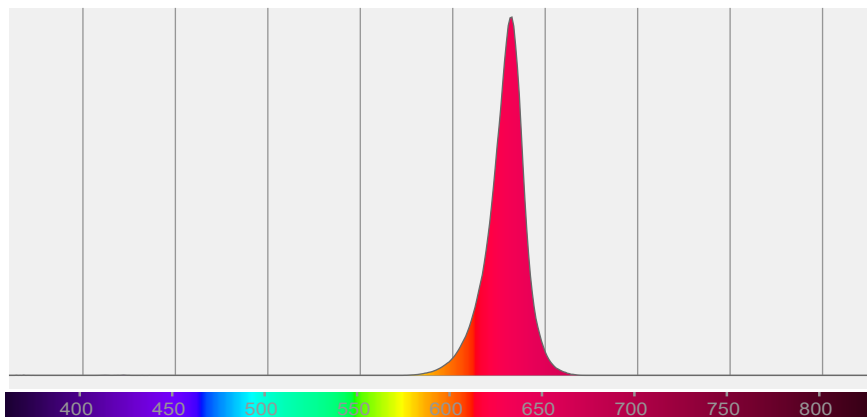


Beam angle 50%: 56,9°

Field angle 10%: 77,1°

Cut off angle 2.5%: 85,7°

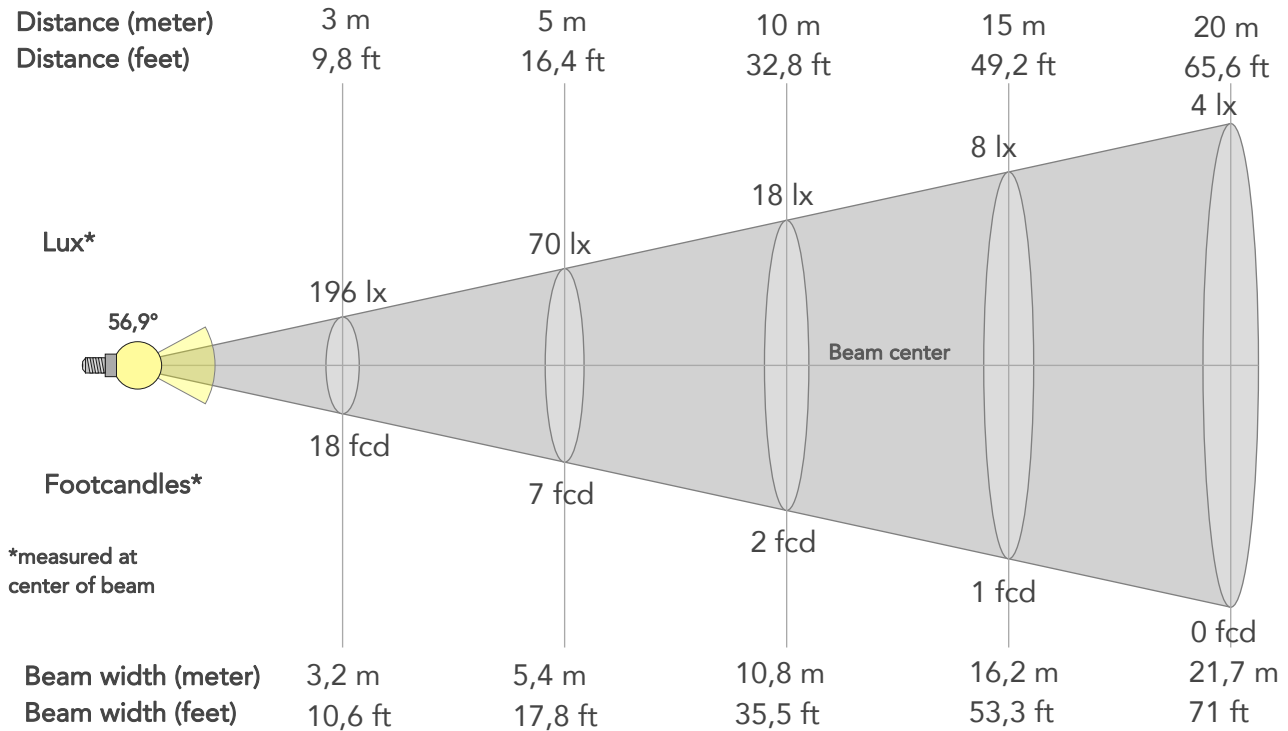
Spectra



BEAM DETAILS



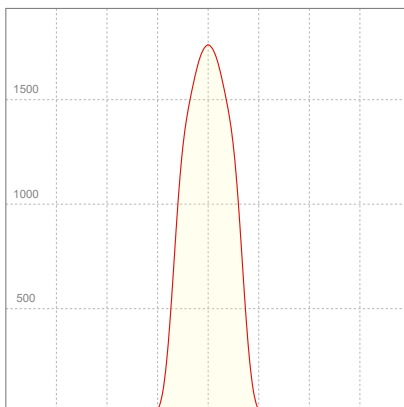
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,9°	77,1°	85,7°	100,0%	99,7%



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	1760lx	440lx	196lx	110lx	70lx	31lx	18lx	8lx	4lx	3lx	2lx	1lx	1lx
Footcand.	164fcd	41fcd	18fcd	10fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,2m	4,3m	5,4m	8,1m	10,8m	16,2m	21,7m	27,1m	32,5m	43,3m	54,1m
Beam wid.	3,6ft	7,1ft	10,6ft	14,2ft	17,8ft	26,6ft	35,5ft	53,3ft	71ft	88,8ft	106,6ft	142,1ft	177,6ft

LINEAR DISTRIBUTION DIAGRAM

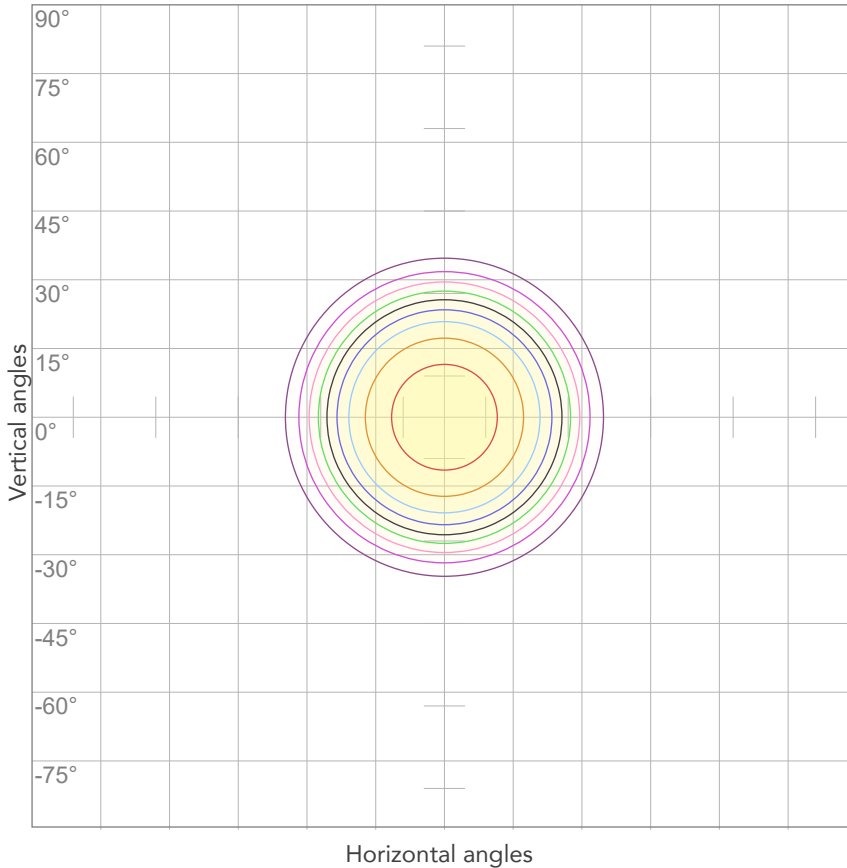


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,486A	95,5W	14lm/W

Power FC
0,87

ISO CANDELA DIAGRAM



10%	176 cd
20%	352 cd
30%	528 cd
40%	704 cd
50%	880 cd
60%	1056 cd
70%	1232 cd
80%	1408 cd

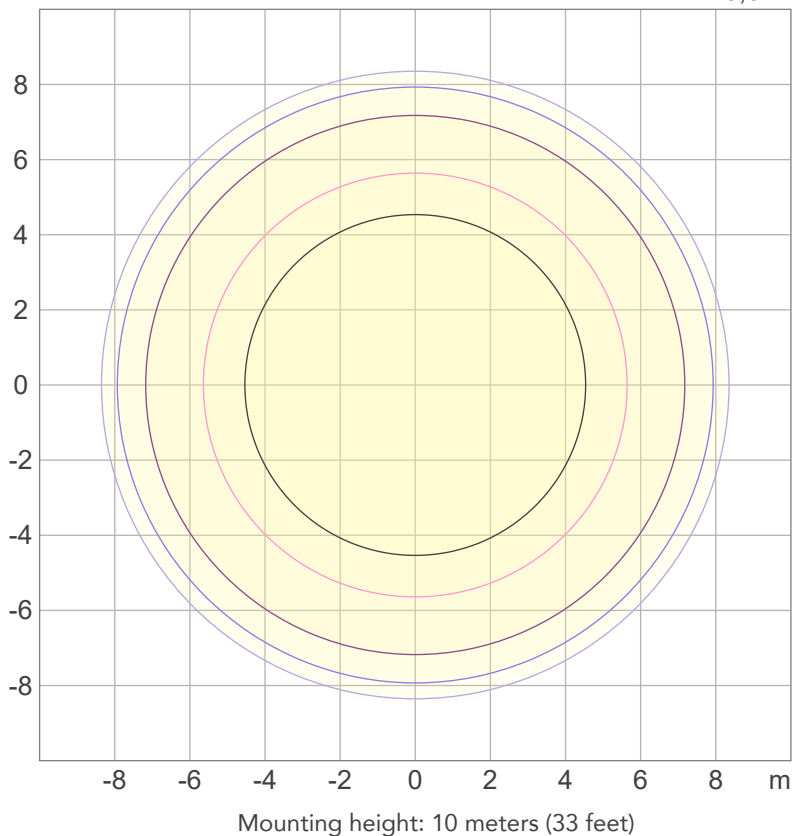
Conditions:

Number of c-planes: 2

Candela at center: 1760 cd

ISO LUX DIAGRAM

MH: 10,0 m



3%	0,528 lx
5%	0,880 lx
10%	1,76 lx
30%	5,28 lx
50%	8,80 lx

Conditions:

Number of c-planes: 2

Lux at center: 17,6 lx

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



Total lumen output:

1053 lm

Peak candela output:

5620 cd

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom - HQ

Target:

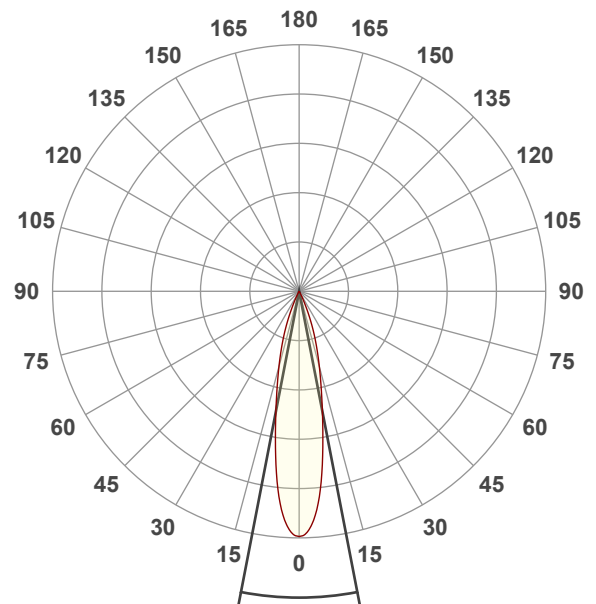
Red

Operator:

Salvatore Giglio

Date and time:

21/09/2023 13:15:21

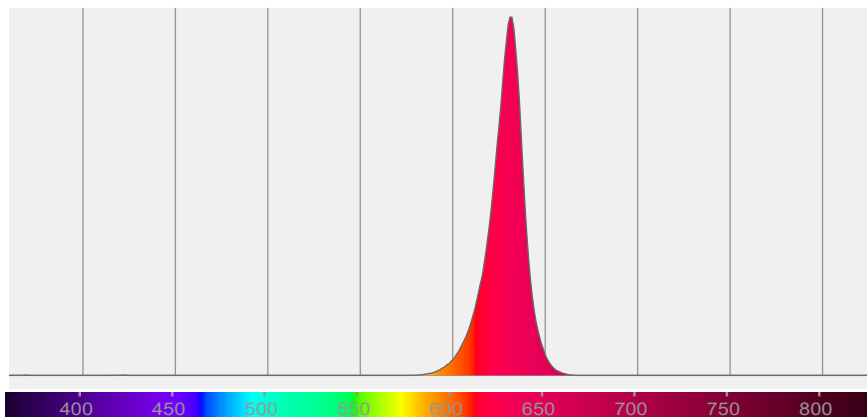


Beam angle 50%: 21,9°

Field angle 10%: 44,8°

Cut off angle 2.5%: 53,4°

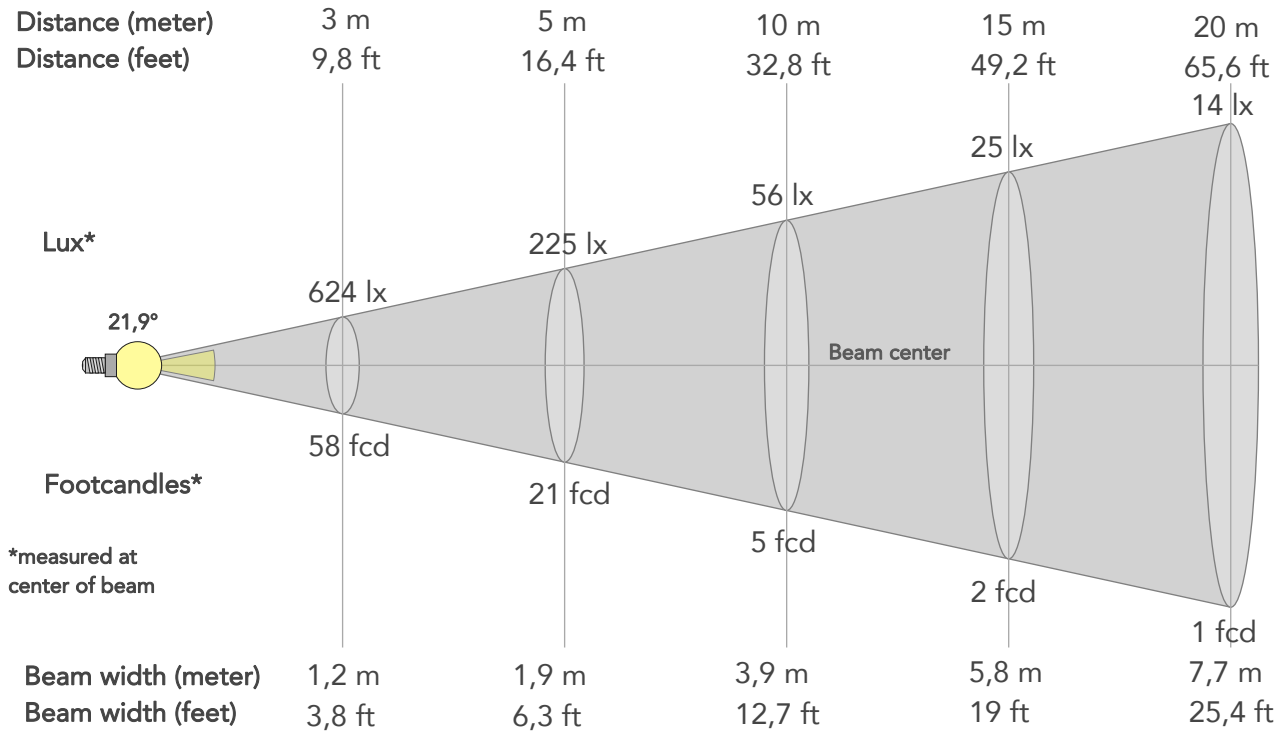
Spectra



BEAM DETAILS



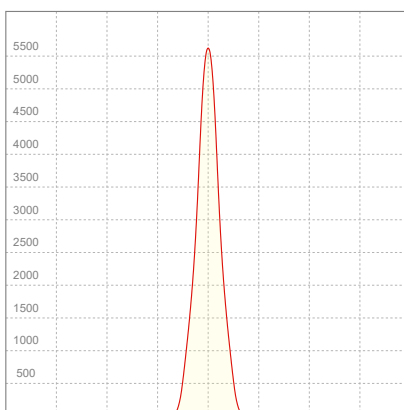
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,9°	44,8°	53,4°	100,0%	100,0%



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	5620lx	1405lx	624lx	351lx	225lx	100lx	56lx	25lx	14lx	9lx	6lx	4lx	2lx
Footcand.	522fcd	131fcd	58fcd	33fcd	21fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,5m	1,9m	2,9m	3,9m	5,8m	7,7m	9,7m	11,6m	15,5m	19,3m
Beam wid.	1,3ft	2,6ft	3,8ft	5,1ft	6,3ft	9,5ft	12,7ft	19ft	25,4ft	31,7ft	38,1ft	50,8ft	63,4ft

LINEAR DISTRIBUTION DIAGRAM

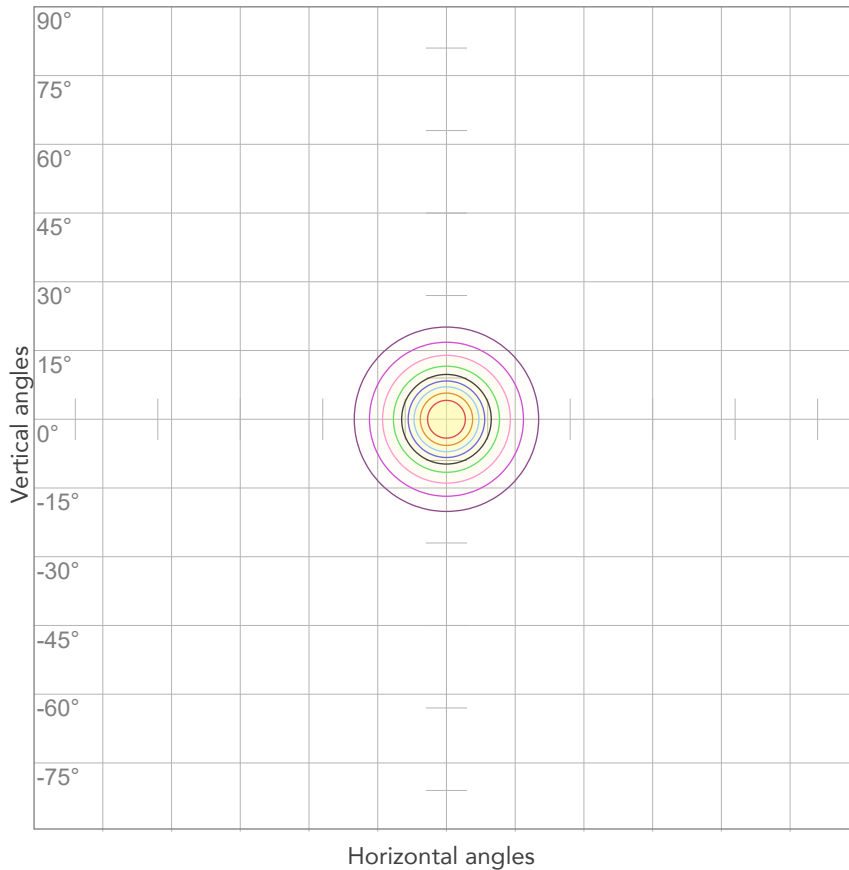


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,483A	95,6W	11lm/W

Power FC
0,87

ISO CANDELA DIAGRAM



10%	562 cd
20%	1124 cd
30%	1686 cd
40%	2248 cd
50%	2810 cd
60%	3372 cd
70%	3934 cd
80%	4496 cd

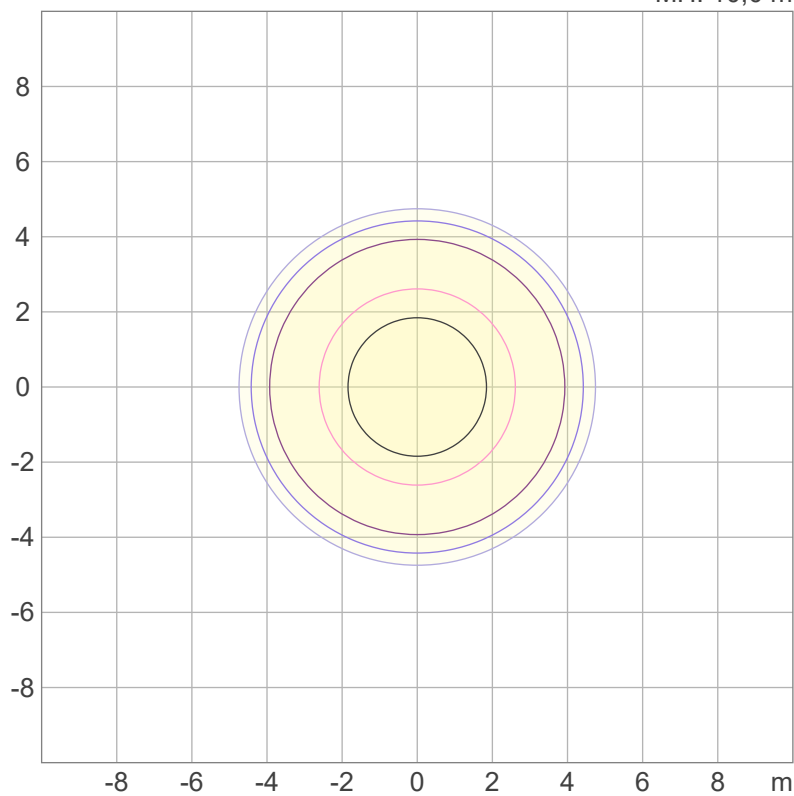
Conditions:

Number of c-planes: 2

Candela at center: 5620 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

3%	1,69 lx
5%	2,81 lx
10%	5,62 lx
30%	16,9 lx
50%	28,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 56,2 lx

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



Total lumen output:

558 lm

Peak candela output:

14703 cd

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

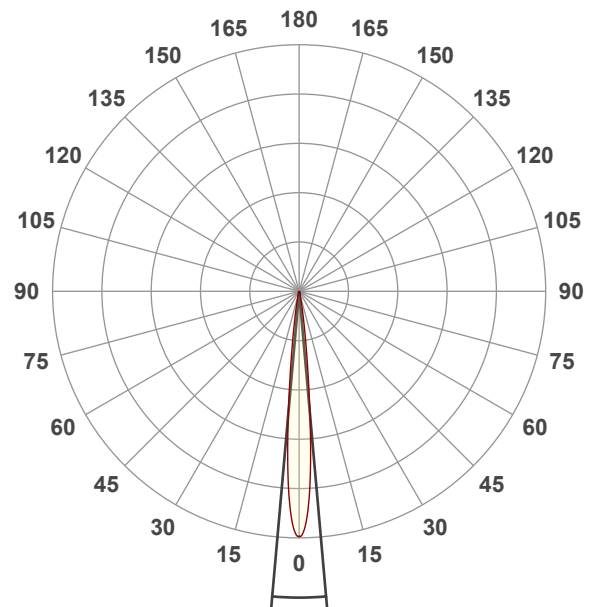
Red - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 12:26:46

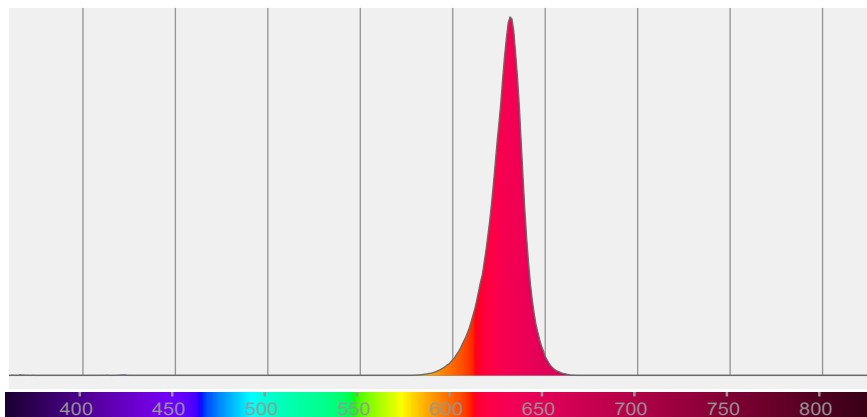


Beam angle 50%: 10,1°

Field angle 10%: 18,5°

Cut off angle 2.5%: 25,7°

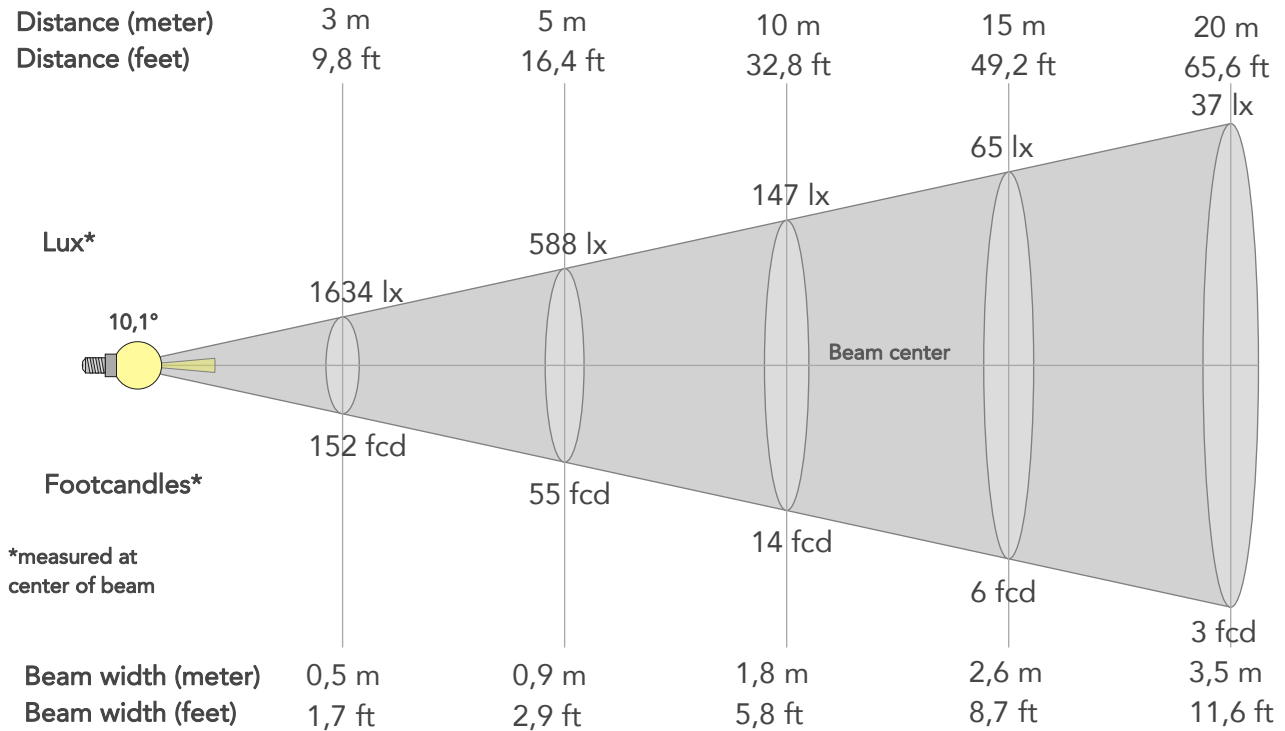
Spectra



BEAM DETAILS



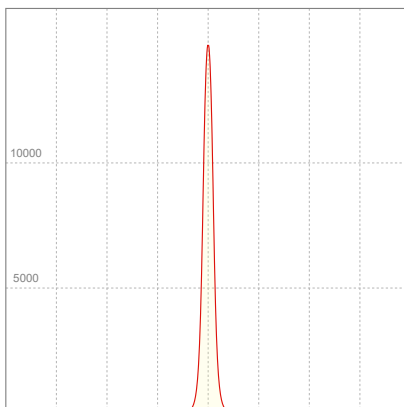
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,1°	18,5°	25,7°	100,0%	100,0%



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	14703lx	3676lx	1634lx	919lx	588lx	261lx	147lx	65lx	37lx	24lx	16lx	9lx	6lx
Footcand.	1366fcd	341fcd	152fcd	85fcd	55fcd	24fcd	14fcd	6fcd	3fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,6m	3,5m	4,4m	5,3m	7,1m	8,8m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,3ft	5,8ft	8,7ft	11,6ft	14,5ft	17,4ft	23,2ft	28,9ft

LINEAR DISTRIBUTION DIAGRAM

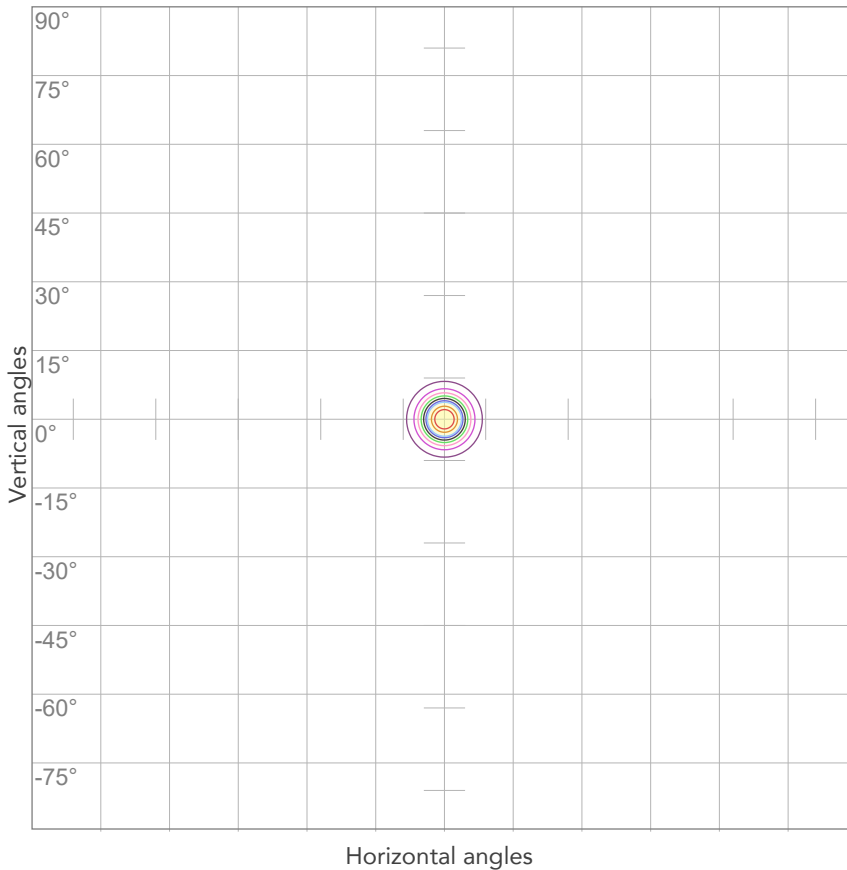


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,478A	93,3W	6lm/W

Power FC
0,87

ISO CANDELA DIAGRAM



10%	1470 cd
20%	2941 cd
30%	4411 cd
40%	5881 cd
50%	7352 cd
60%	8822 cd
70%	10292 cd
80%	11763 cd

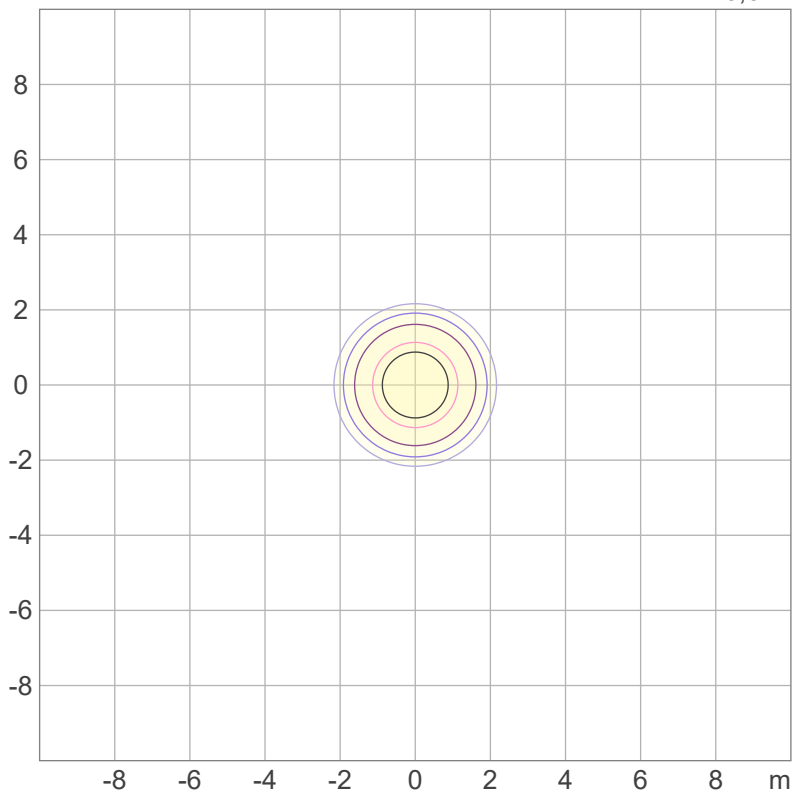
Conditions:

Number of c-planes: 2

Candela at center: 14703 cd

ISO LUX DIAGRAM

MH: 10,0 m



3%	4,41 lx
5%	7,35 lx
10%	14,7 lx
30%	44,1 lx
50%	73,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 147 lx

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



Total lumen output:

2181 lm

Peak candela output:

2761 cd

PRODUCT NAME:

ECLFRCTPL

MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

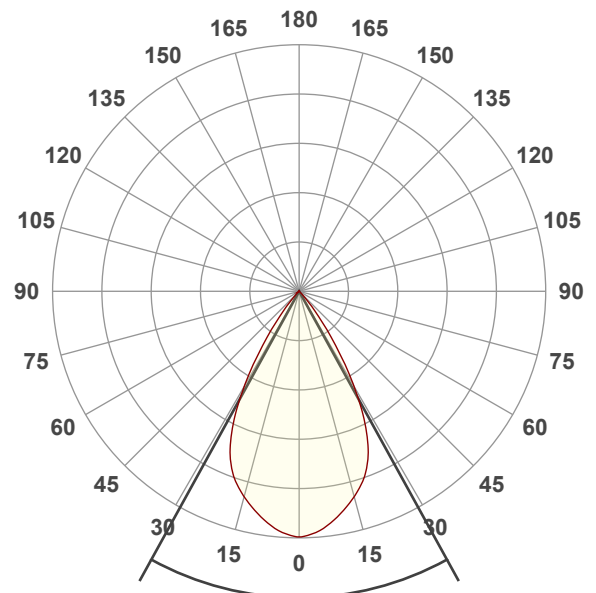
Green - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 14:16:41

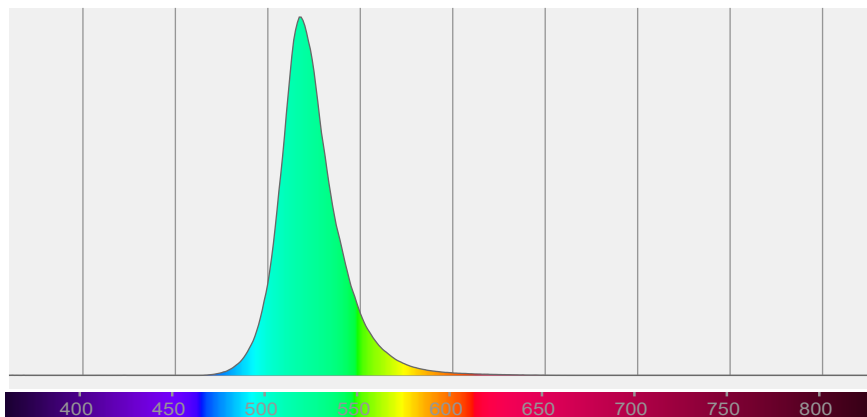


Beam angle 50%: 57,7°

Field angle 10%: 77,7°

Cut off angle 2.5%: 87,2°

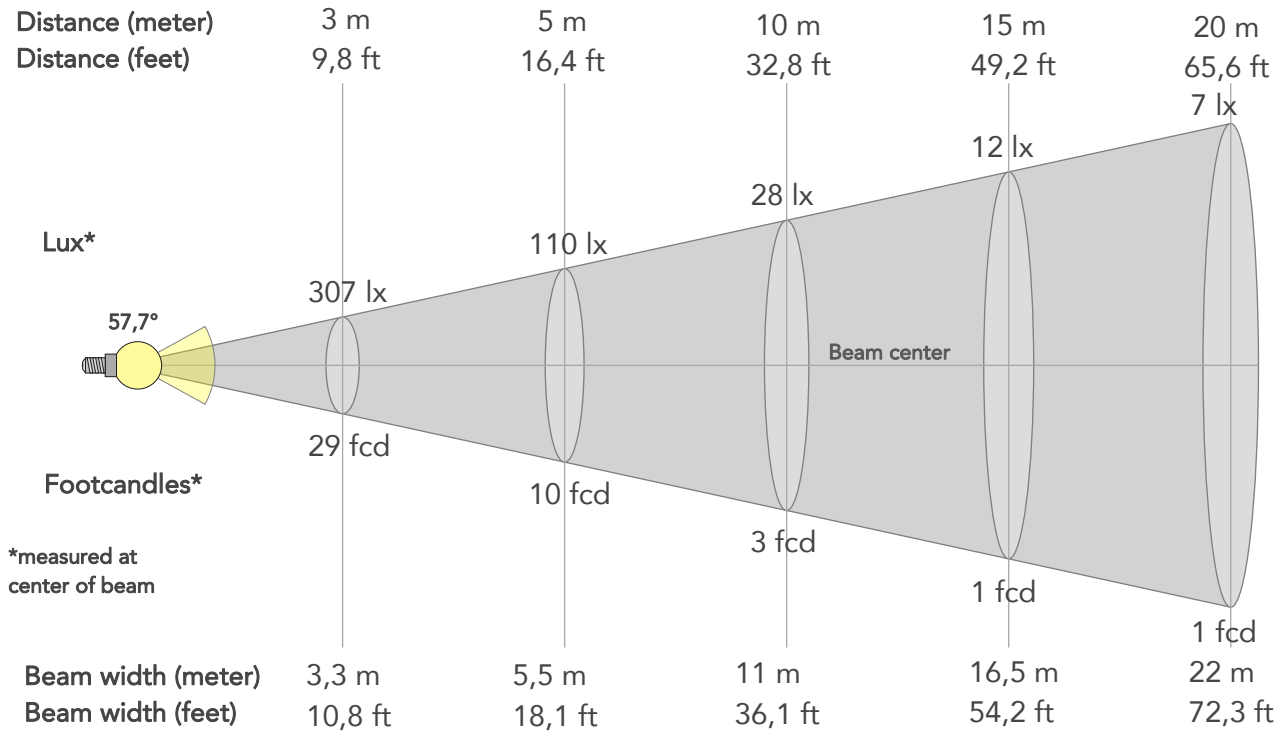
Spectra



BEAM DETAILS



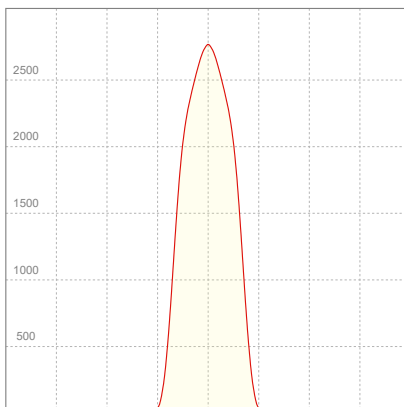
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,7°	77,7°	87,2°	100,0%	99,5%



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	2761lx	690lx	307lx	173lx	110lx	49lx	28lx	12lx	7lx	4lx	3lx	2lx	1lx
Footcand.	257fcd	64fcd	29fcd	16fcd	10fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,3m	11m	16,5m	22m	27,5m	33,1m	44,1m	55,1m
Beam wid.	3,6ft	7,3ft	10,8ft	14,4ft	18,1ft	27,1ft	36,1ft	54,2ft	72,3ft	90,4ft	108,4ft	144,6ft	180,7ft

LINEAR DISTRIBUTION DIAGRAM

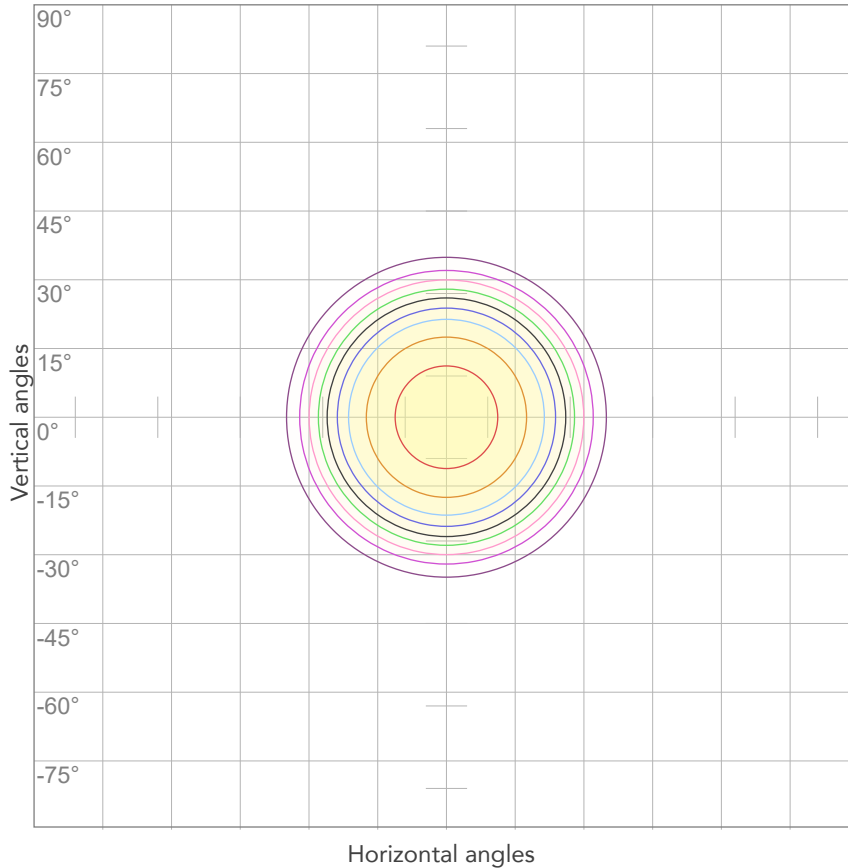


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,484A	94,9W	23lm/W

Power FC
0,87

ISO CANDELA DIAGRAM



10%	276 cd
20%	552 cd
30%	828 cd
40%	1104 cd
50%	1381 cd
60%	1657 cd
70%	1933 cd
80%	2209 cd

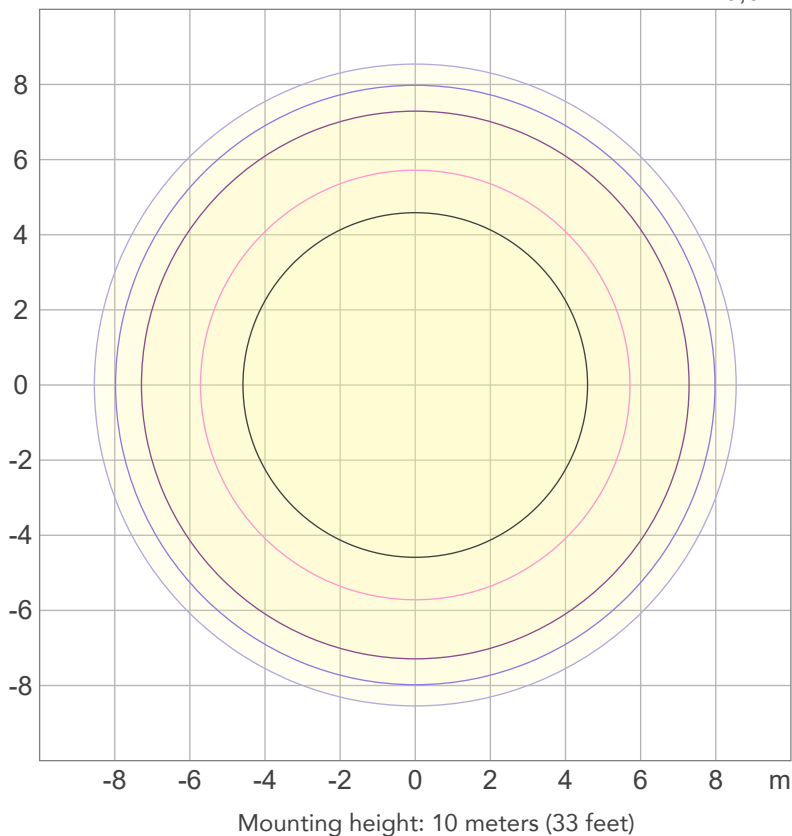
Conditions:

Number of c-planes: 2

Candela at center: 2761 cd

ISO LUX DIAGRAM

MH: 10,0 m



3%	0,828 lx
5%	1,38 lx
10%	2,76 lx
30%	8,28 lx
50%	13,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 27,6 lx

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



Total lumen output:

1708 lm

Peak candela output:

8993 cd

PRODUCT NAME:

ECLFRCTPL

MEASUREMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

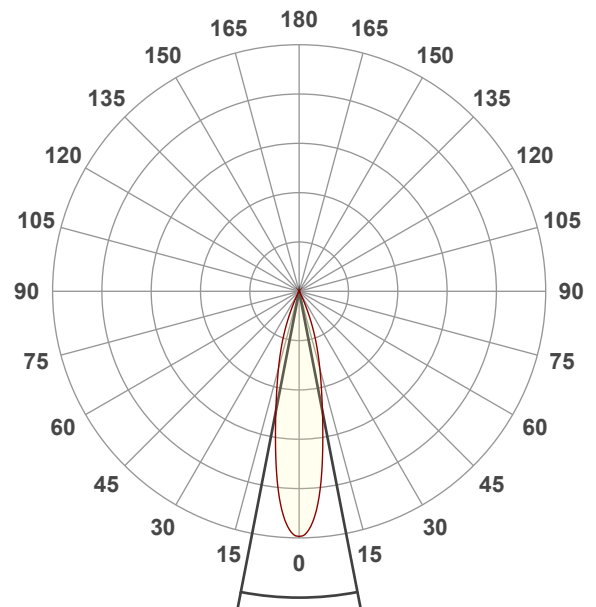
Green - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 13:16:50

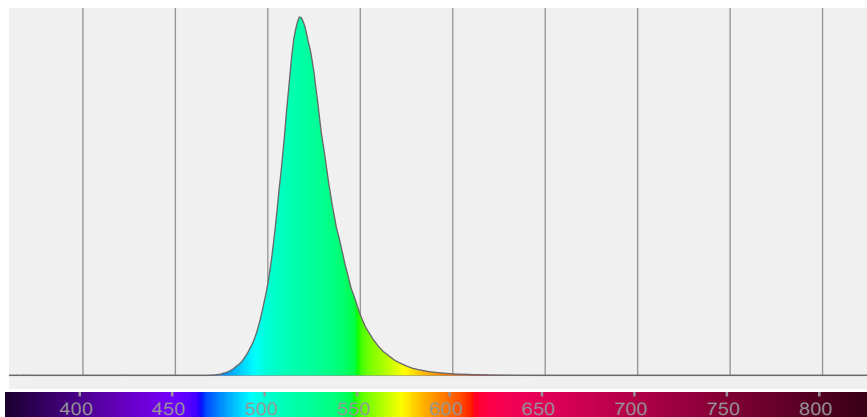


Beam angle 50%: 22°

Field angle 10%: 45,1°

Cut off angle 2.5%: 53,6°

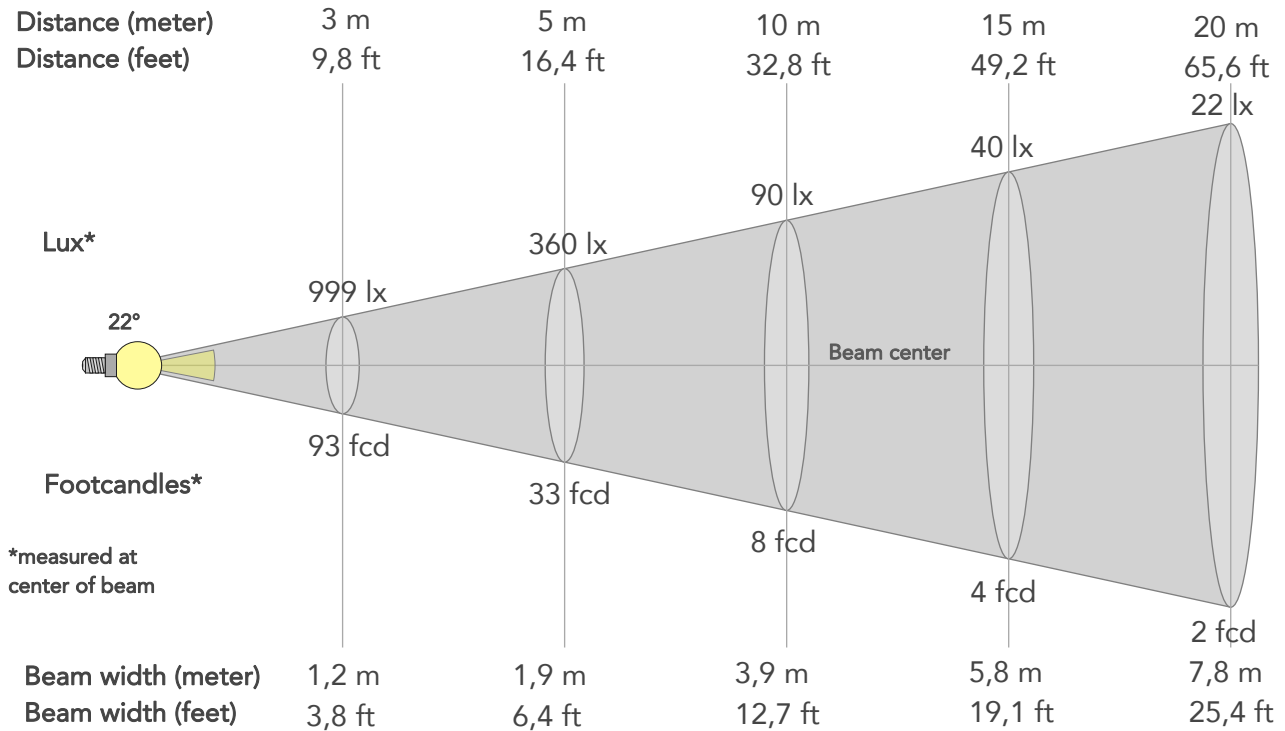
Spectra



BEAM DETAILS



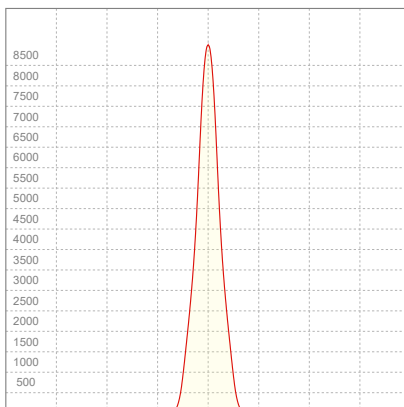
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22°	45,1°	53,6°	100,0%	100,0%



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	8993lx	2248lx	999lx	562lx	360lx	160lx	90lx	40lx	22lx	14lx	10lx	6lx	4lx
Footcand.	835fcd	209fcd	93fcd	52fcd	33fcd	15fcd	8fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	1,9m	2,9m	3,9m	5,8m	7,8m	9,7m	11,6m	15,5m	19,4m
Beam wid.	1,3ft	2,6ft	3,8ft	5,1ft	6,4ft	9,5ft	12,7ft	19,1ft	25,4ft	31,8ft	38,2ft	50,9ft	63,6ft

LINEAR DISTRIBUTION DIAGRAM

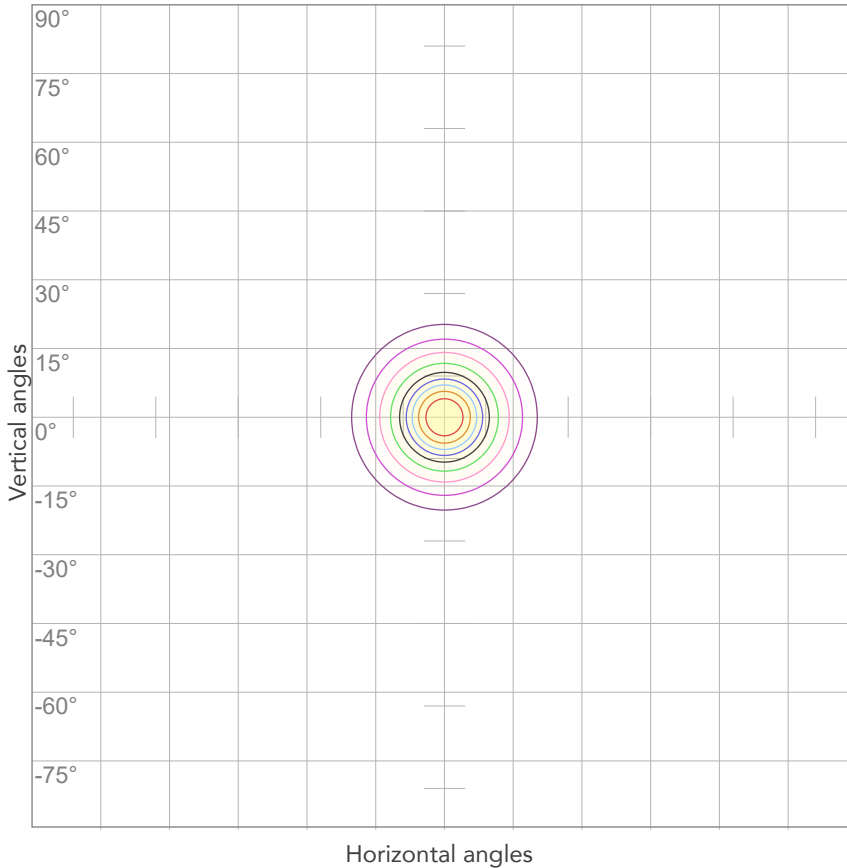


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,483A	95,0W	18lm/W

Power FC
0,87

ISO CANDELA DIAGRAM



10%	899 cd
20%	1799 cd
30%	2698 cd
40%	3597 cd
50%	4496 cd
60%	5396 cd
70%	6295 cd
80%	7194 cd

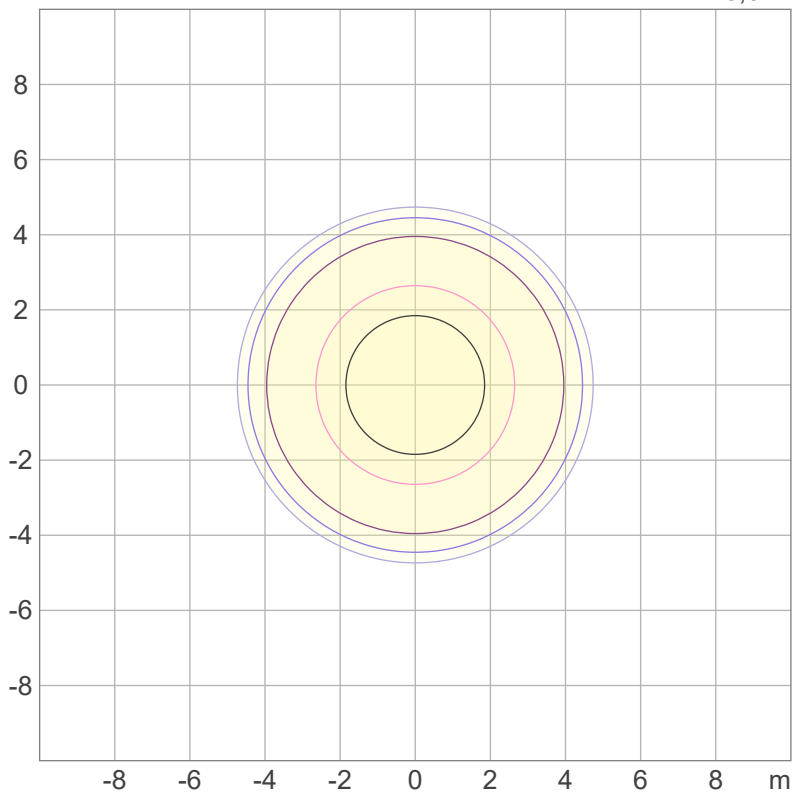
Conditions:

Number of c-planes: 2

Candela at center: 8993 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

3%	2,70 lx
5%	4,50 lx
10%	8,99 lx
30%	27,0 lx
50%	45,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 89,9 lx

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



Total lumen output:

889 lm

Peak candela output:

23321 cd

PRODUCT NAME:

ECLFRCTPL

MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

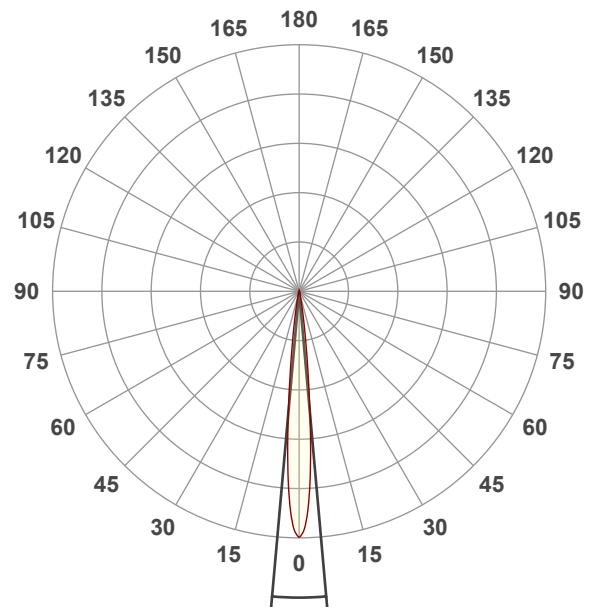
Green - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 12:27:54

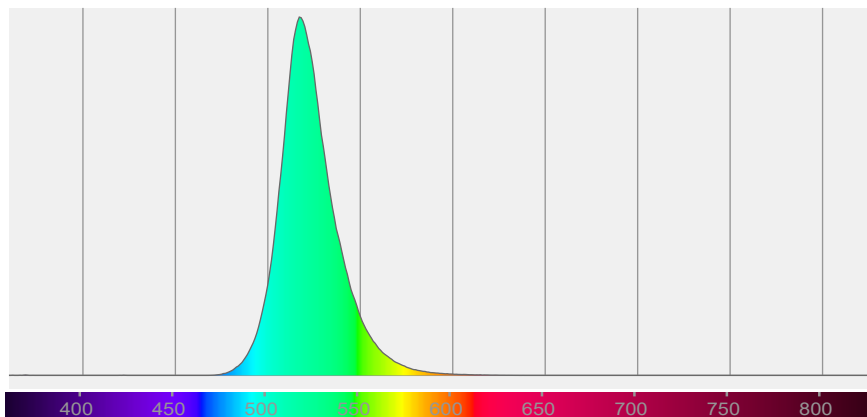


Beam angle 50%: 10,1°

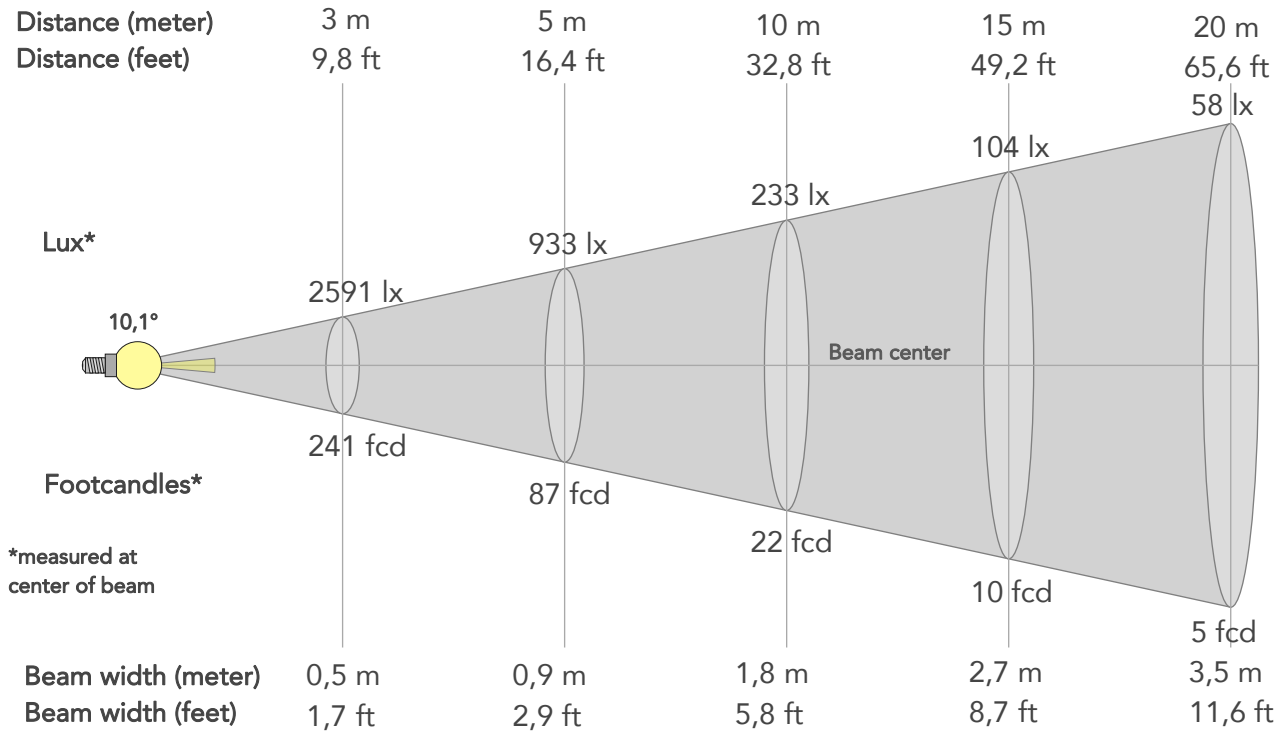
Field angle 10%: 18,7°

Cut off angle 2.5%: 25,9°

Spectra



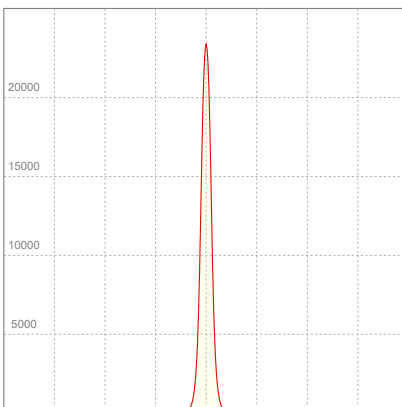
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,1°	18,7°	25,9°	100,0%	100,0%



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	23321lx	5830lx	2591lx	1458lx	933lx	415lx	233lx	104lx	58lx	37lx	26lx	15lx	9lx
Footcand.	2167fcd	542fcd	241fcd	135fcd	87fcd	39fcd	22fcd	10fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,7m	3,5m	4,4m	5,3m	7,1m	8,9m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,4ft	5,8ft	8,7ft	11,6ft	14,5ft	17,5ft	23,3ft	29,1ft

LINEAR DISTRIBUTION DIAGRAM

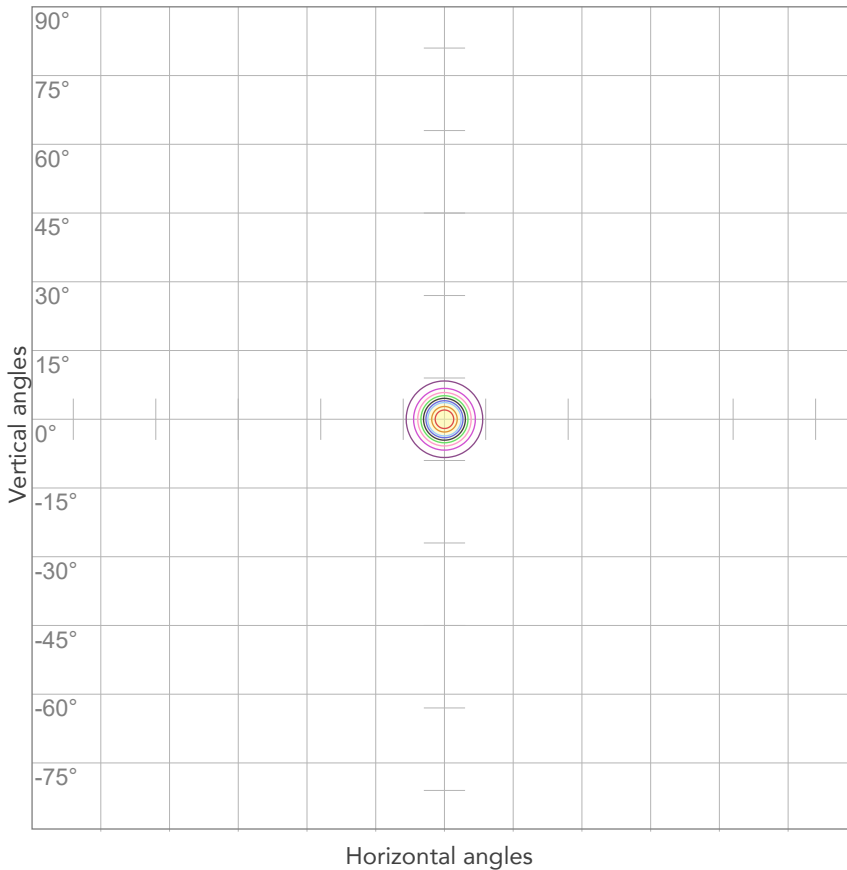


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,483A	94,4W	9lm/W

Power FC
0,87

ISO CANDELA DIAGRAM



10%	2332 cd
20%	4664 cd
30%	6996 cd
40%	9328 cd
50%	11660 cd
60%	13992 cd
70%	16324 cd
80%	18657 cd

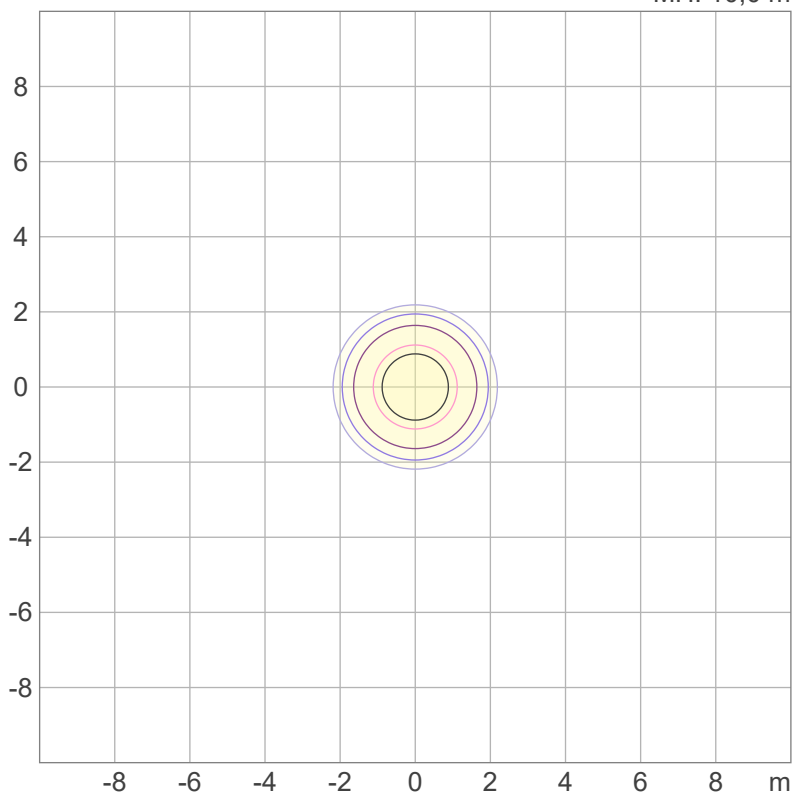
Conditions:

Number of c-planes: 2

Candela at center: 23321 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

3%	7,00 lx
5%	11,7 lx
10%	23,3 lx
30%	70,0 lx
50%	117 lx

Conditions:

Number of c-planes: 2

Lux at center: 233 lx

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



Total lumen output:

407 lm

Peak candela output:

519 cd

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

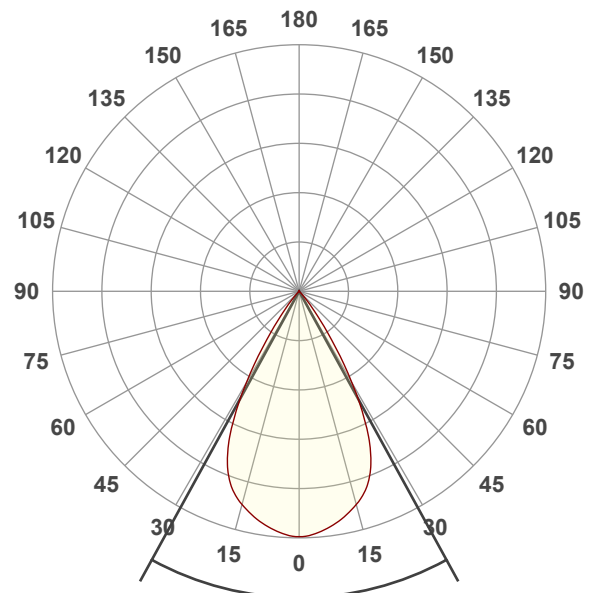
Blue - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 14:18:05

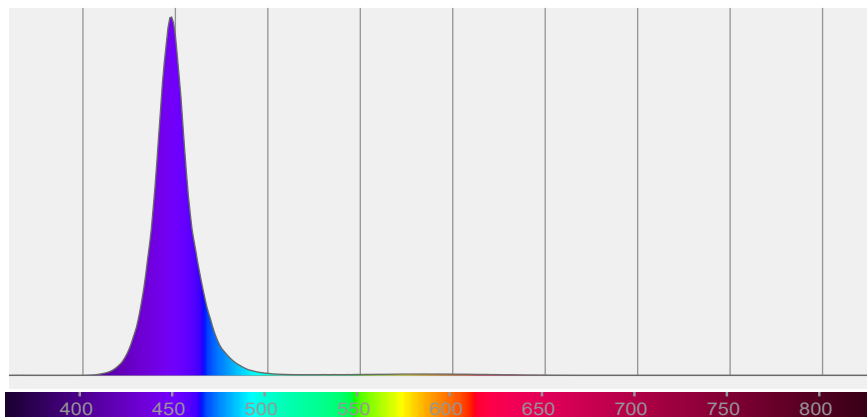


Beam angle 50%: 57,5°

Field angle 10%: 75,5°

Cut off angle 2.5%: 85,2°

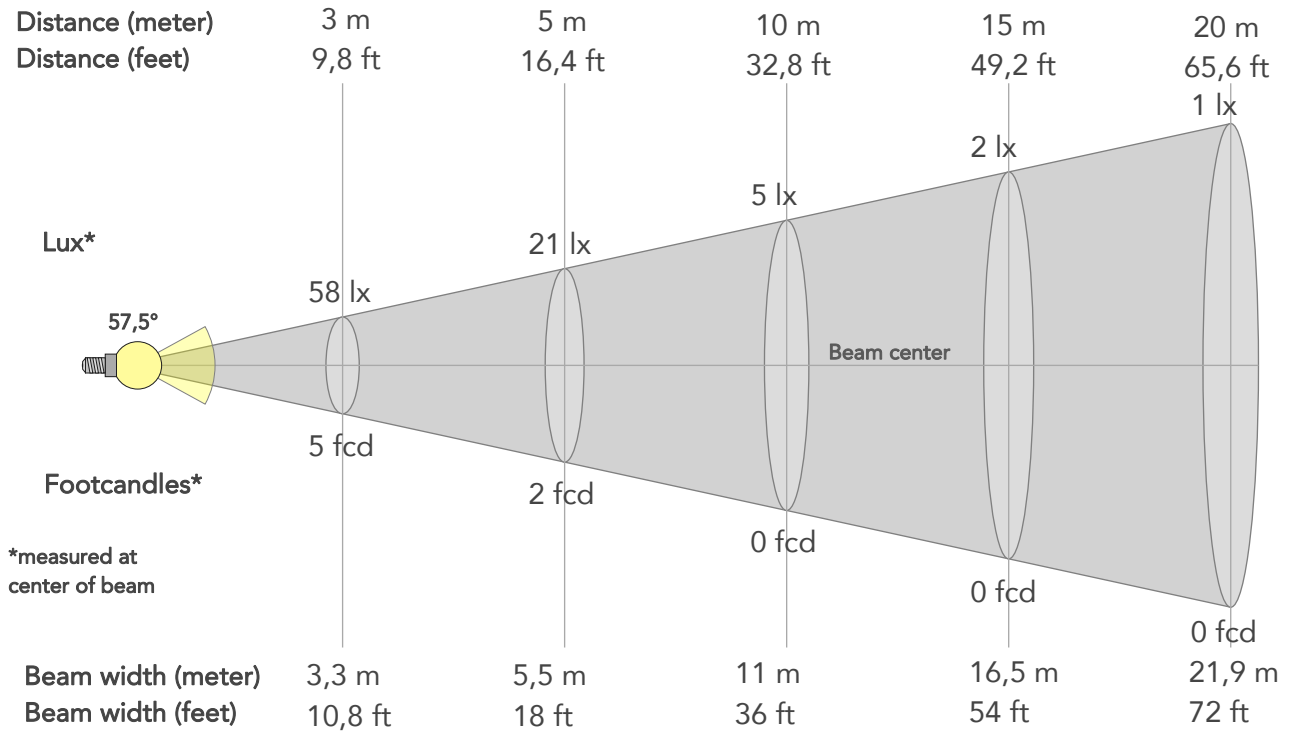
Spectra



BEAM DETAILS



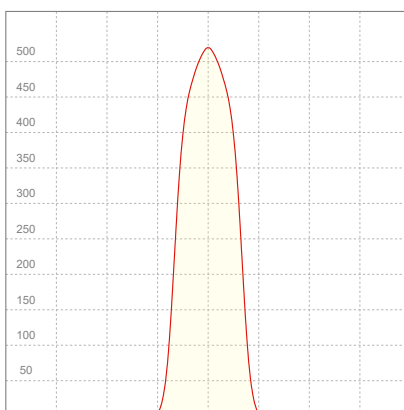
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,5°	75,5°	85,2°	100,0%	99,6%



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	519lx	130lx	58lx	32lx	21lx	9lx	5lx	2lx	1lx	1lx	1lx	0lx	0lx
Footcand.	48fcd	12fcd	5fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,2m	11m	16,5m	21,9m	27,4m	32,9m	43,9m	54,9m
Beam wid.	3,6ft	7,2ft	10,8ft	14,4ft	18ft	27ft	36ft	54ft	72ft	90ft	108ft	144ft	179,9ft

LINEAR DISTRIBUTION DIAGRAM

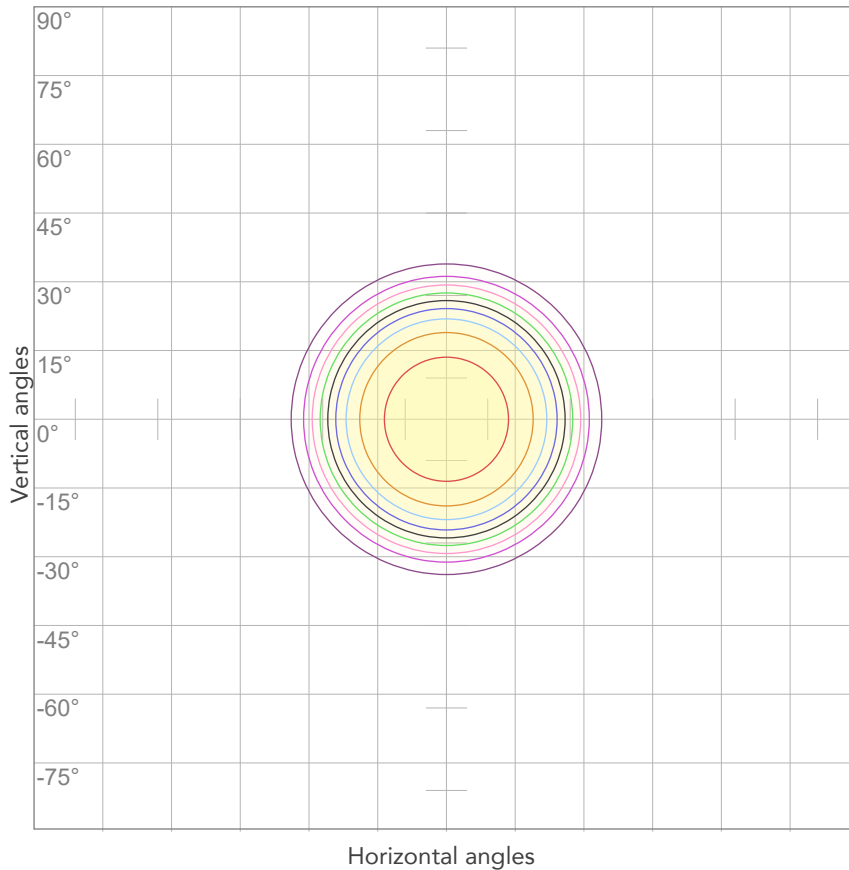


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,505A	101,2W	4lm/W

Power FC
0,89

ISO CANDELA DIAGRAM



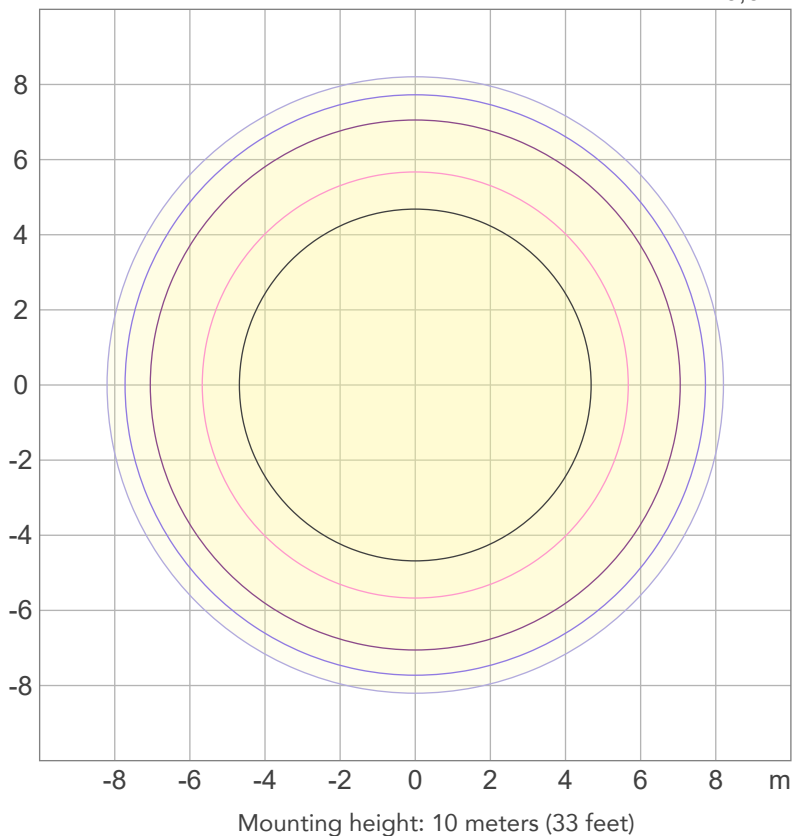
10%	52 cd
20%	104 cd
30%	156 cd
40%	208 cd
50%	259 cd
60%	311 cd
70%	363 cd
80%	415 cd

Conditions:

Number of c-planes: 2
Candela at center: 519 cd

ISO LUX DIAGRAM

MH: 10,0 m



3%	0,156 lx
5%	0,259 lx
10%	0,519 lx
30%	1,56 lx
50%	2,59 lx

Conditions:

Number of c-planes: 2
Lux at center: 5,19 lx

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



Total lumen output:

310 lm

Peak candela output:

1730 cd

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

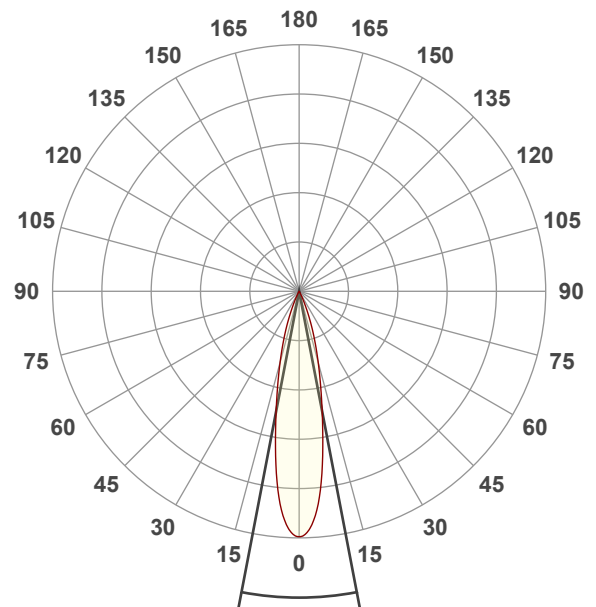
Blue - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 13:18:20

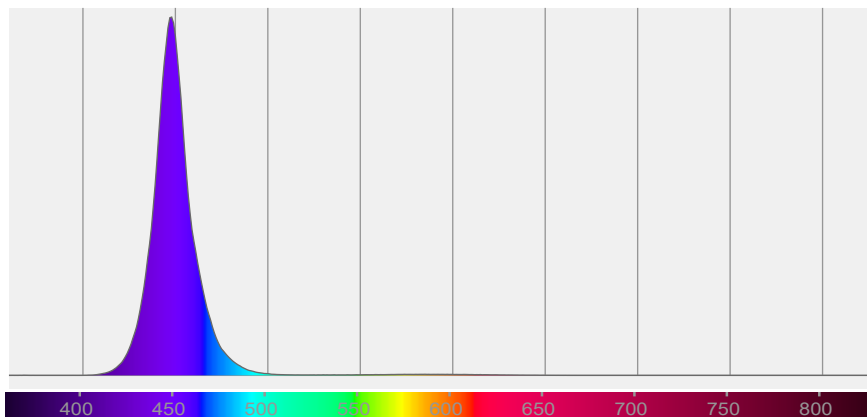


Beam angle 50%: 21,7°

Field angle 10%: 43,1°

Cut off angle 2.5%: 52,6°

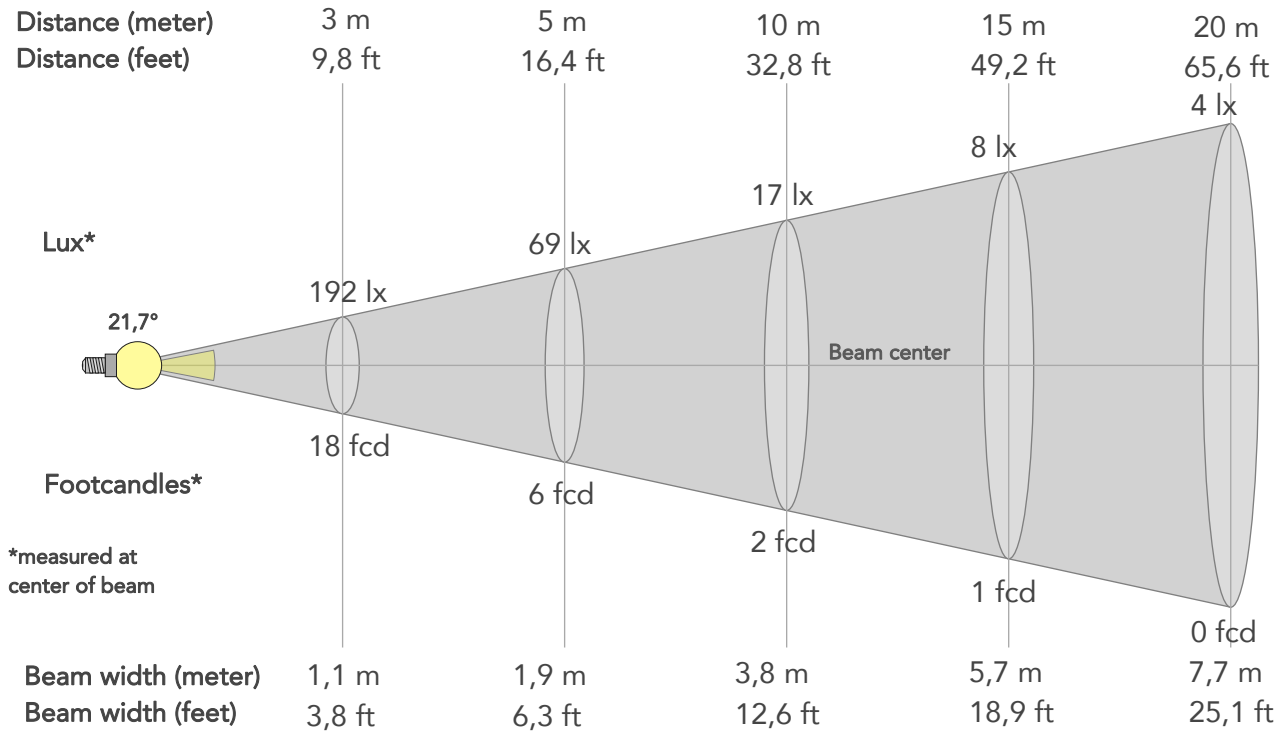
Spectra



BEAM DETAILS



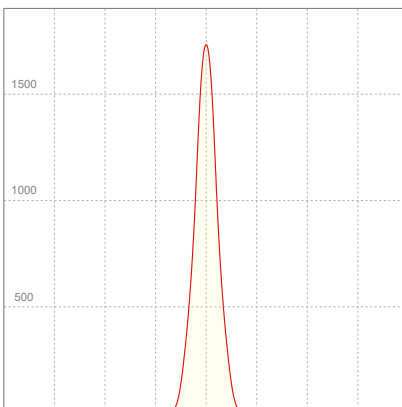
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,7°	43,1°	52,6°	100,0%	99,9%



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	1730lx	433lx	192lx	108lx	69lx	31lx	17lx	8lx	4lx	3lx	2lx	1lx	1lx
Footcand.	161fcd	40fcd	18fcd	10fcd	6fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,1m	1,5m	1,9m	2,9m	3,8m	5,7m	7,7m	9,6m	11,5m	15,3m	19,2m
Beam wid.	1,3ft	2,5ft	3,8ft	5ft	6,3ft	9,4ft	12,6ft	18,9ft	25,1ft	31,4ft	37,7ft	50,3ft	62,9ft

LINEAR DISTRIBUTION DIAGRAM

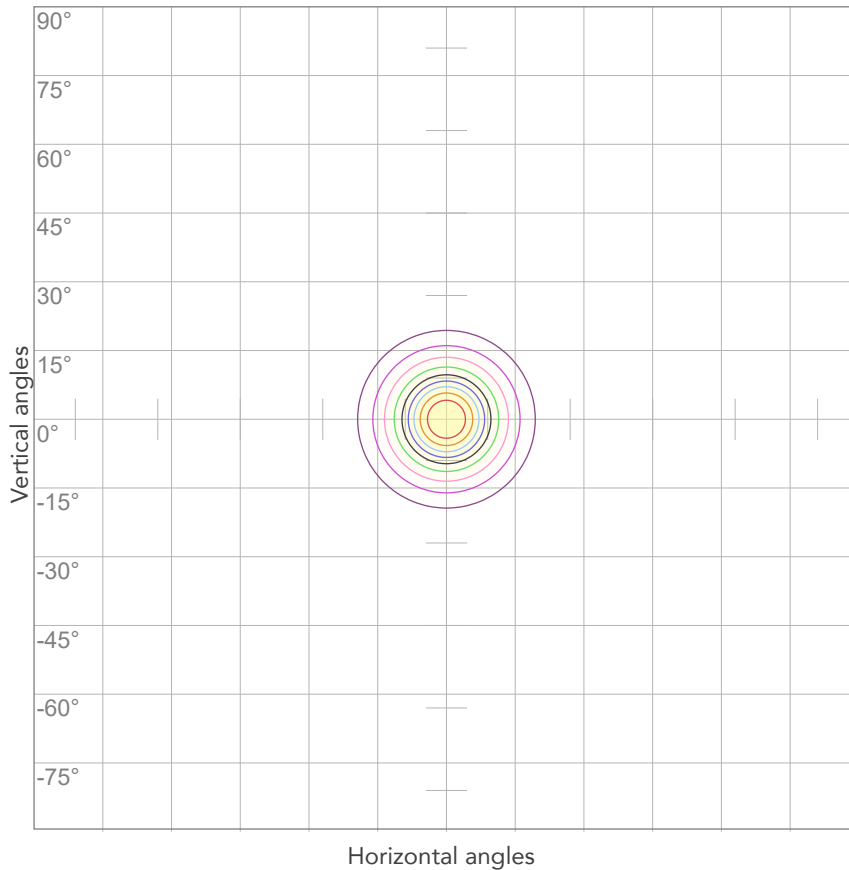


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,501A	101,2W	3lm/W

Power FC
0,89

ISO CANDELA DIAGRAM



10%	173 cd
20%	346 cd
30%	519 cd
40%	692 cd
50%	865 cd
60%	1038 cd
70%	1211 cd
80%	1384 cd

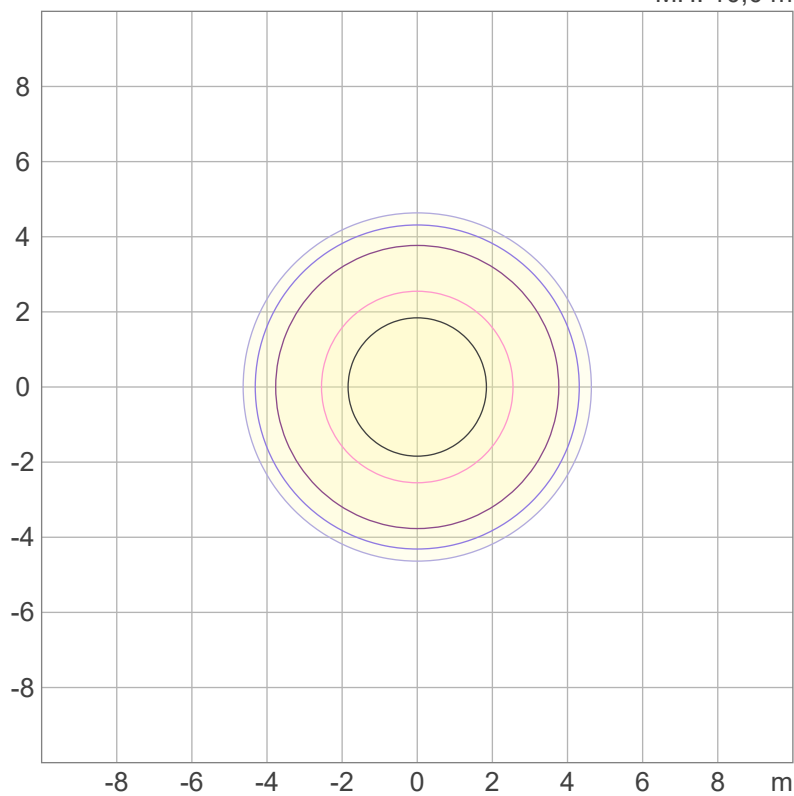
Conditions:

Number of c-planes: 2

Candela at center: 1730 cd

ISO LUX DIAGRAM

MH: 10,0 m



3%	0,519 lx
5%	0,865 lx
10%	1,73 lx
30%	5,19 lx
50%	8,65 lx

Conditions:

Number of c-planes: 2

Lux at center: 17,3 lx

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



Total lumen output:

172 lm

Peak candela output:

4598 cd

PRODUCT NAME:

ECLFRCTPL

MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

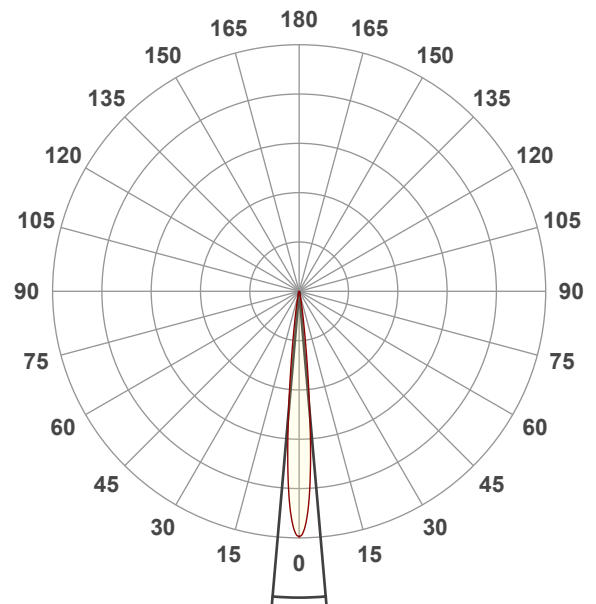
Blue - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 12:29:08

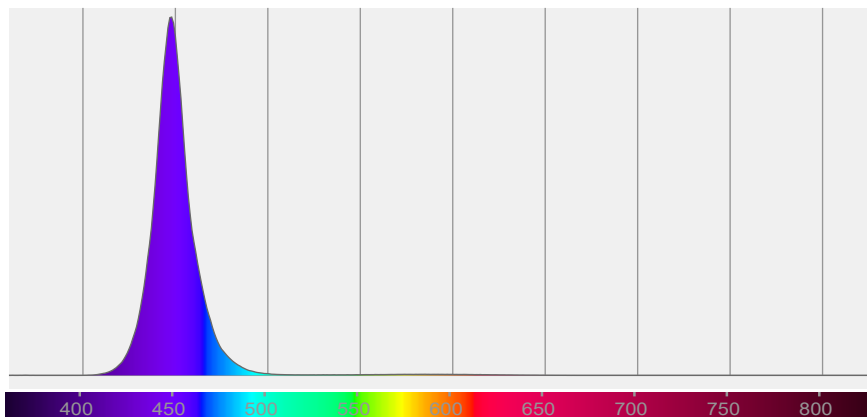


Beam angle 50%: 10°

Field angle 10%: 17,7°

Cut off angle 2.5%: 25,3°

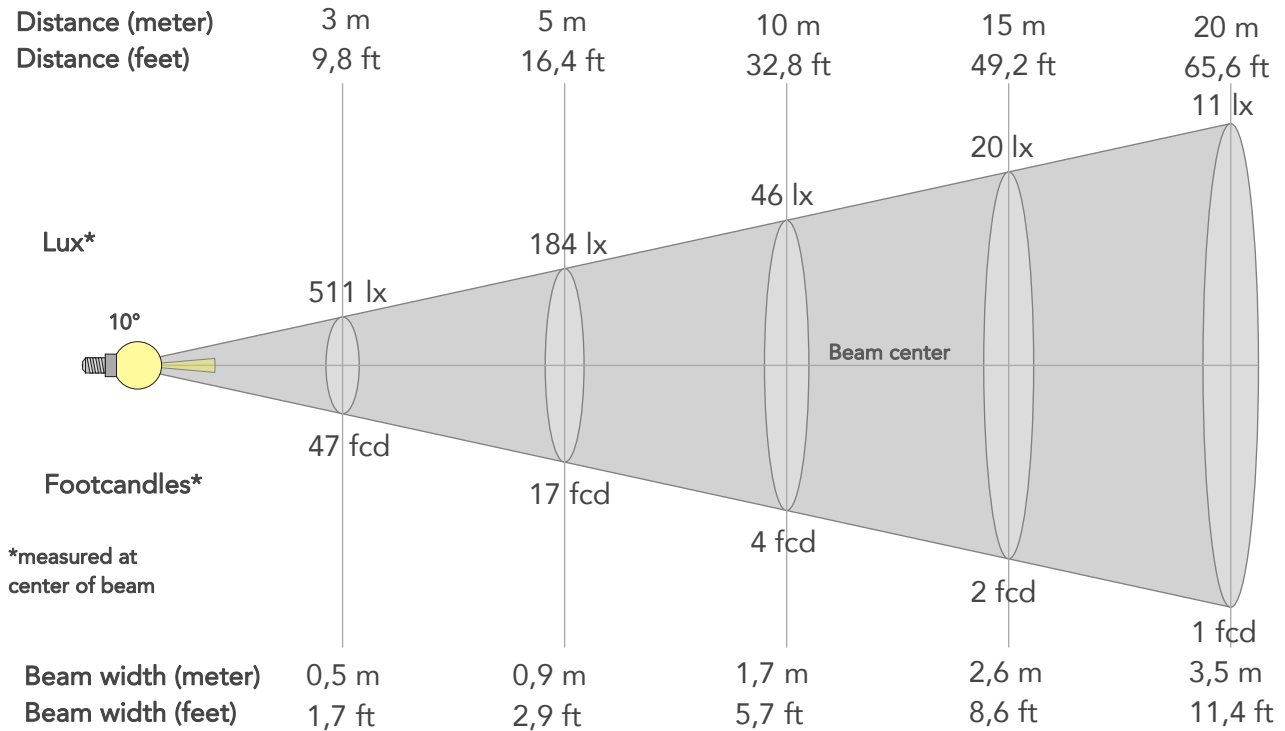
Spectra



BEAM DETAILS



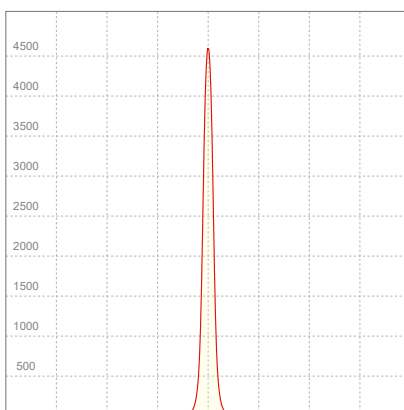
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10°	17,7°	25,3°	100,0%	99,9%



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	4598lx	1149lx	511lx	287lx	184lx	82lx	46lx	20lx	11lx	7lx	5lx	3lx	2lx
Footcand.	427fcd	107fcd	47fcd	27fcd	17fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,5m	4,4m	5,2m	7m	8,7m
Beam wid.	0,6ft	1,1ft	1,7ft	2,3ft	2,9ft	4,3ft	5,7ft	8,6ft	11,4ft	14,3ft	17,1ft	22,9ft	28,6ft

LINEAR DISTRIBUTION DIAGRAM

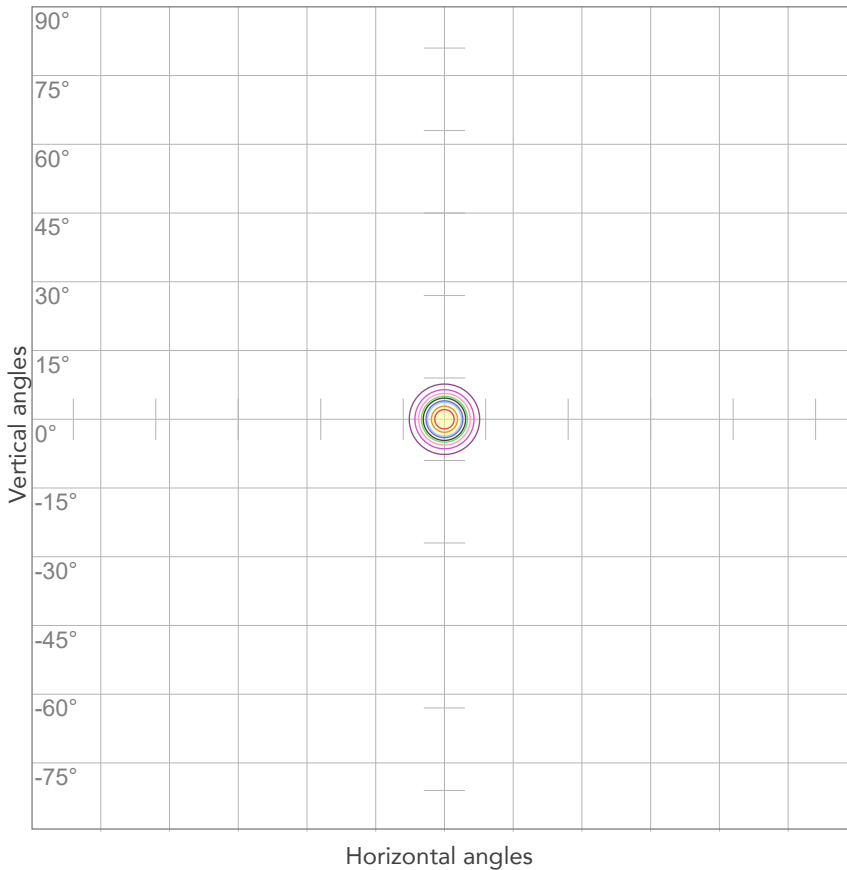


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,503A	100,9W	2lm/W

Power FC
0,89

ISO CANDELA DIAGRAM



10%	460 cd
20%	920 cd
30%	1379 cd
40%	1839 cd
50%	2299 cd
60%	2759 cd
70%	3218 cd
80%	3678 cd

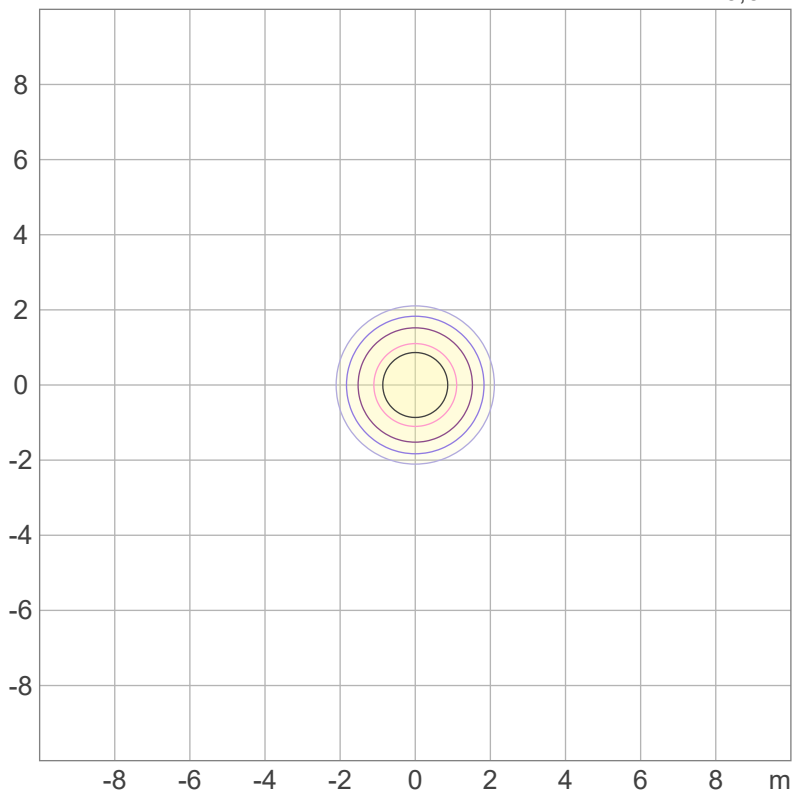
Conditions:

Number of c-planes: 2

Candela at center: 4598 cd

ISO LUX DIAGRAM

MH: 10,0 m



3%	1,38 lx
5%	2,30 lx
10%	4,60 lx
30%	13,8 lx
50%	23,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 46,0 lx

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



Total lumen output:

502 lm

Peak candela output:

612 cd

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

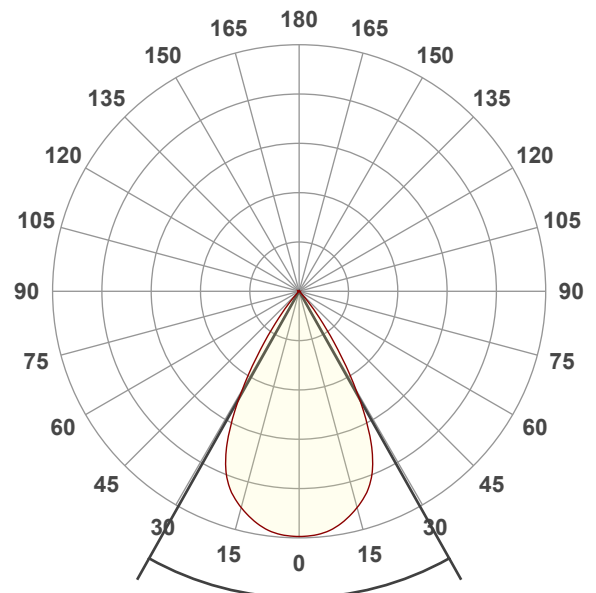
Cyan - HQ

Operator:

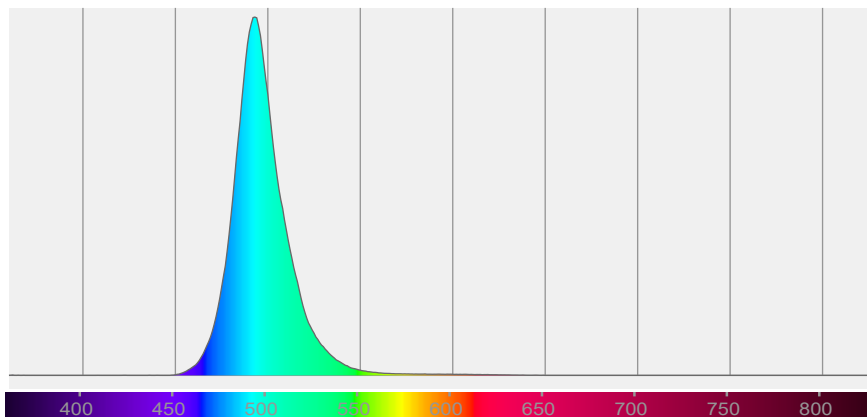
Salvatore Giglio

Date and time:

21/09/2023 14:19:20



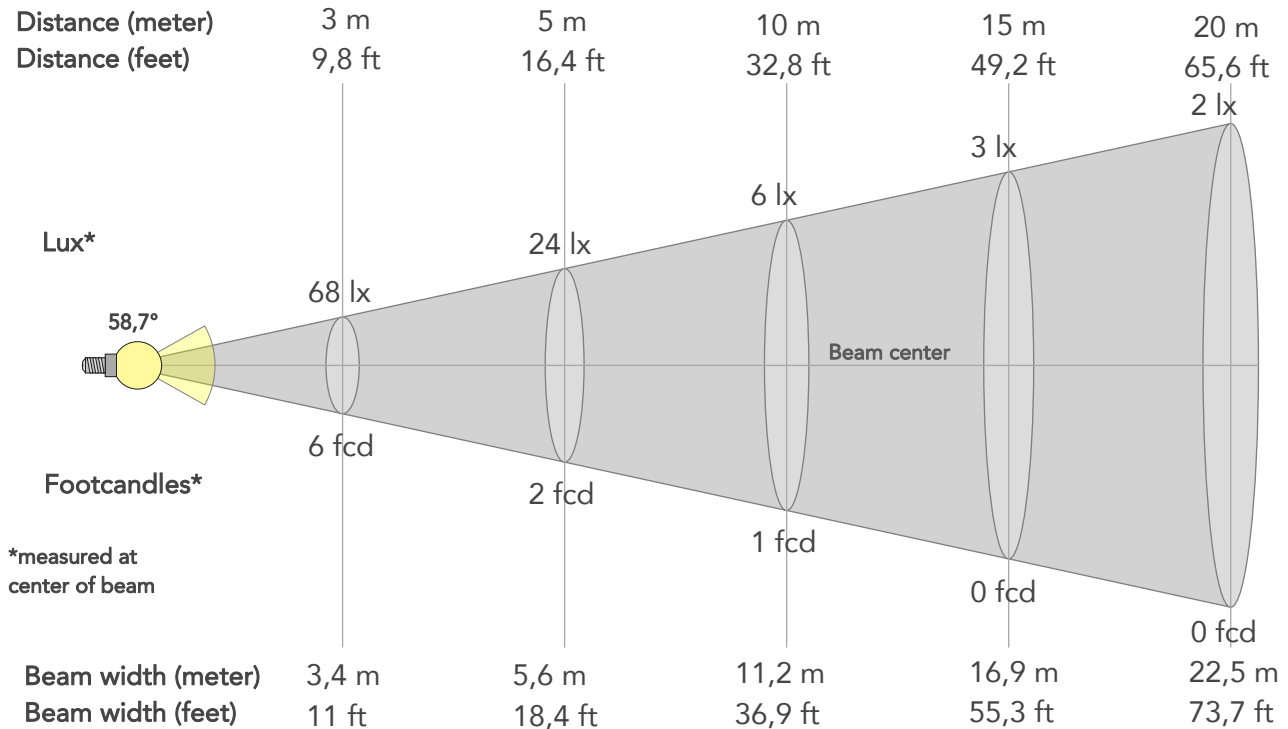
Spectra



BEAM DETAILS



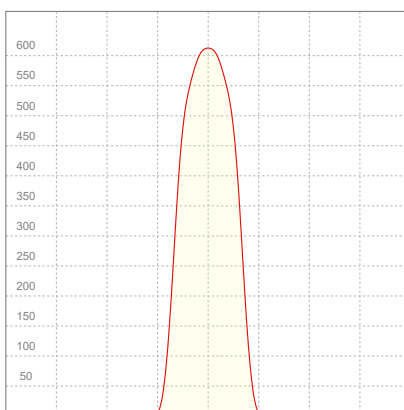
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,7°	77,6°	85,8°	100,0%	99,8%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	612lx	153lx	68lx	38lx	24lx	11lx	6lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	57fcd	14fcd	6fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,4m	4,5m	5,6m	8,4m	11,2m	16,9m	22,5m	28,1m	33,7m	44,9m	56,2m
Beam wid.	3,7ft	7,4ft	11ft	14,7ft	18,4ft	27,6ft	36,9ft	55,3ft	73,7ft	92,1ft	110,6ft	147,4ft	184,3ft

LINEAR DISTRIBUTION DIAGRAM

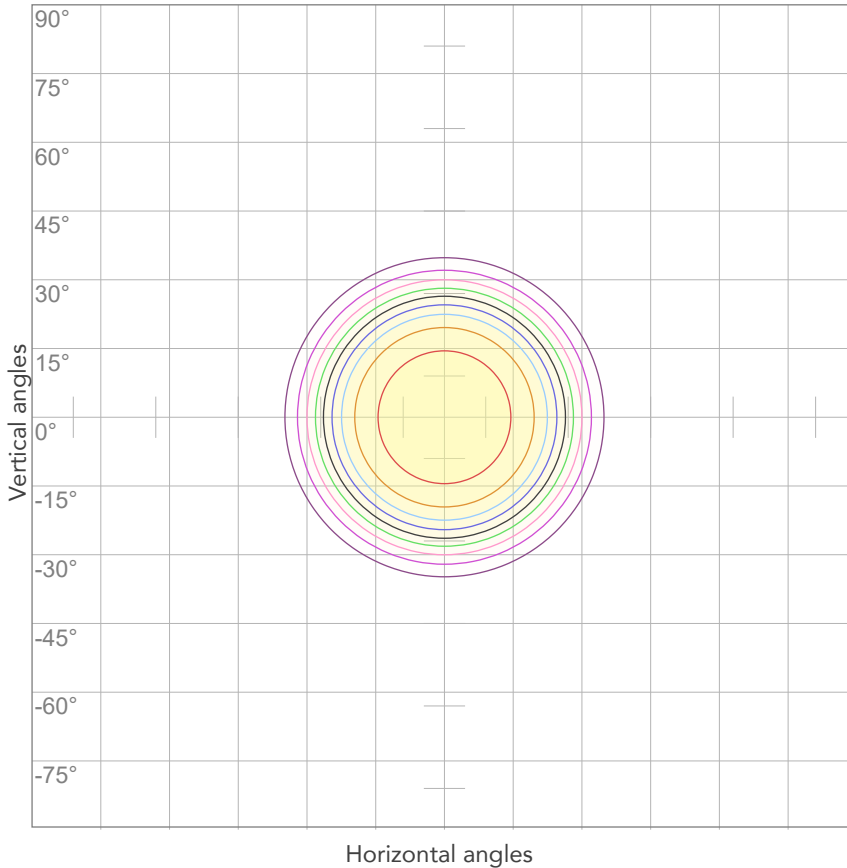


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,392A	50,7W	10lm/W

Power FC
0,58

ISO CANDELA DIAGRAM



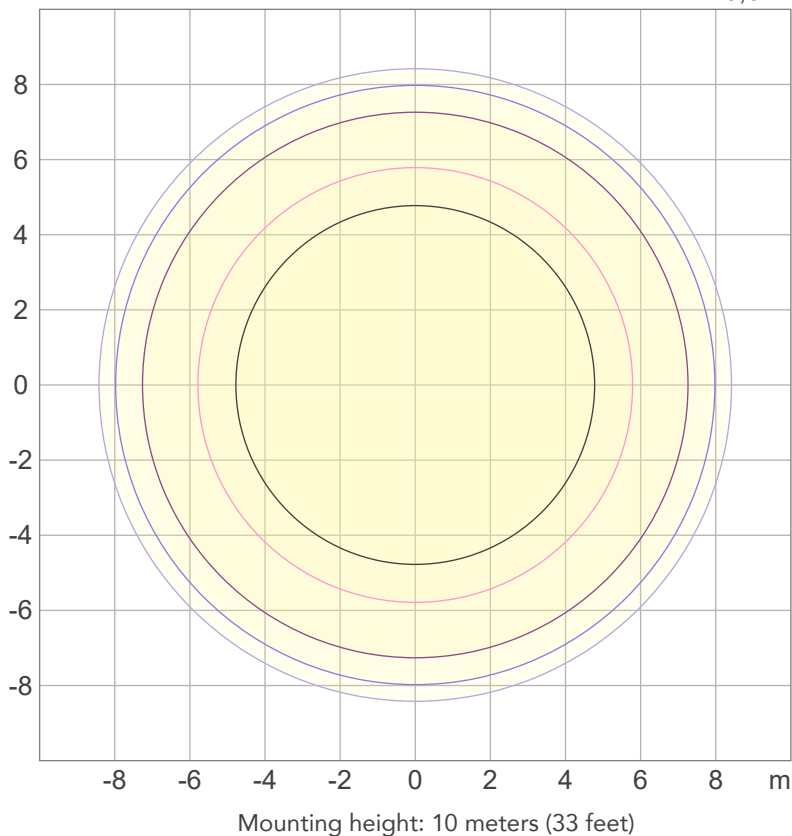
10%	61 cd
20%	122 cd
30%	184 cd
40%	245 cd
50%	306 cd
60%	367 cd
70%	429 cd
80%	490 cd

Conditions:

Number of c-planes: 2
Candela at center: 612 cd

ISO LUX DIAGRAM

MH: 10,0 m



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

Conditions:

Number of c-planes: 2
Lux at center: 6,12 lx

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



Total lumen output:

403 lm

Peak candela output:

2044 cd

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

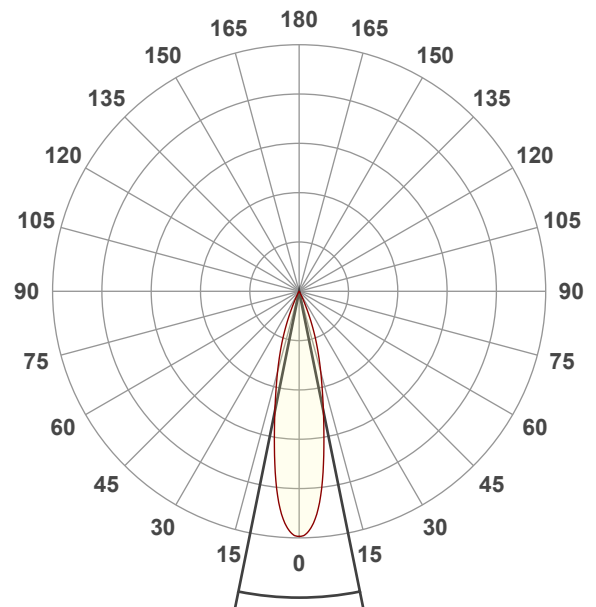
Cyan - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 13:20:05

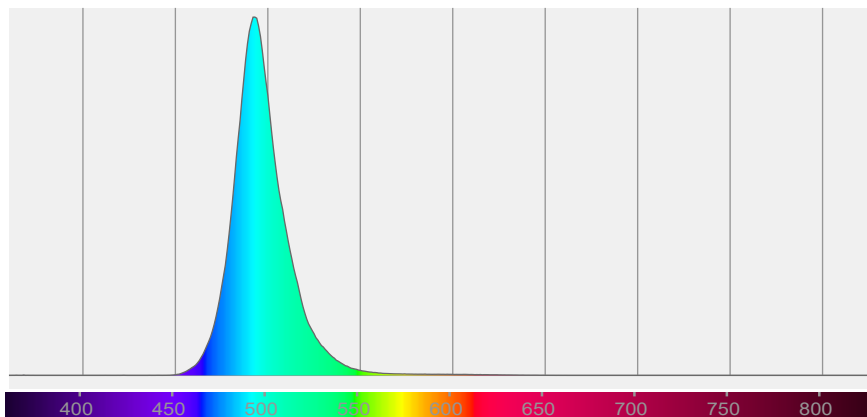


Beam angle 50%: 22,9°

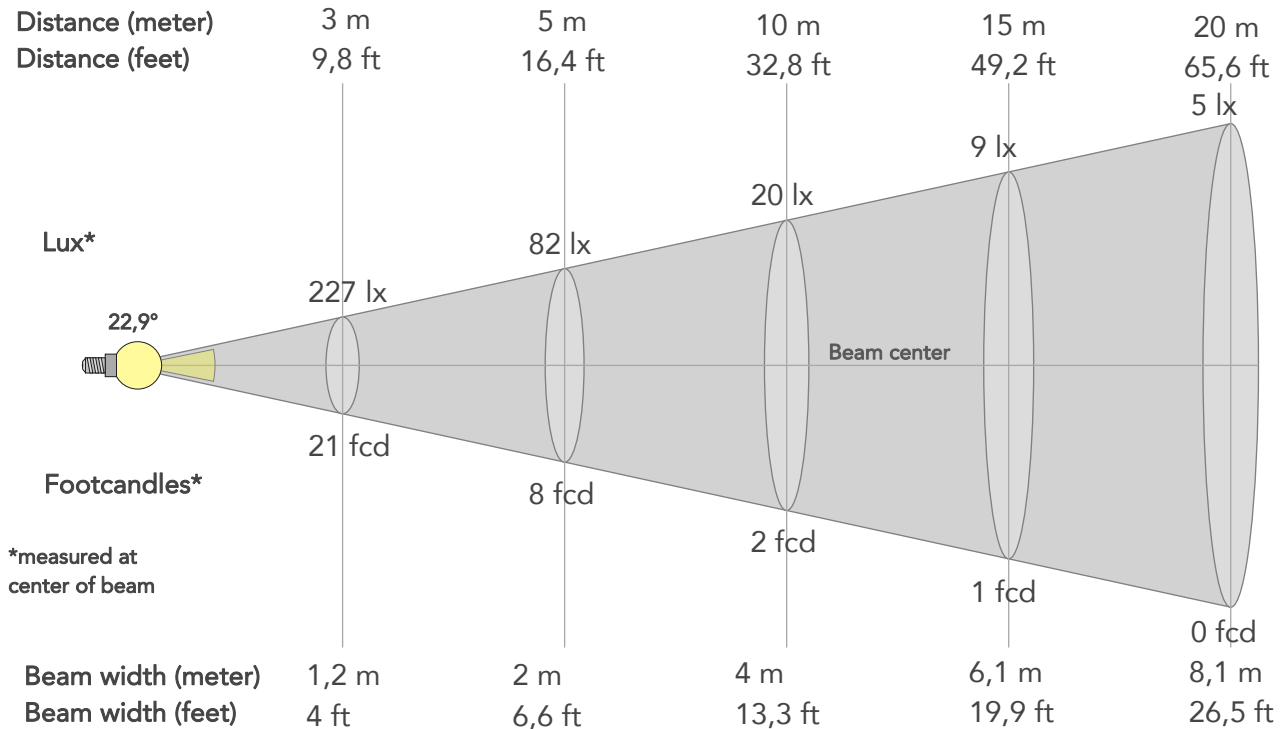
Field angle 10%: 45,2°

Cut off angle 2.5%: 53,7°

Spectra



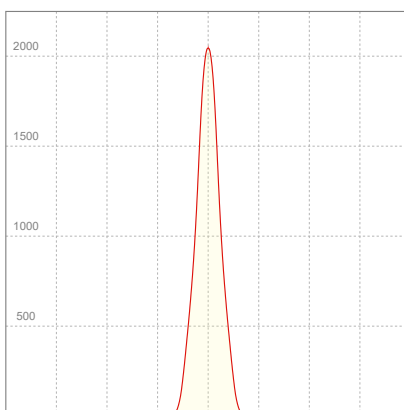
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22,9°	45,2°	53,7°	100,0%	99,9%



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	2044lx	511lx	227lx	128lx	82lx	36lx	20lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	190fcd	47fcd	21fcd	12fcd	8fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3m	4m	6,1m	8,1m	10,1m	12,1m	16,2m	20,2m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,6ft	10ft	13,3ft	19,9ft	26,5ft	33,2ft	39,8ft	53,1ft	66,4ft

LINEAR DISTRIBUTION DIAGRAM

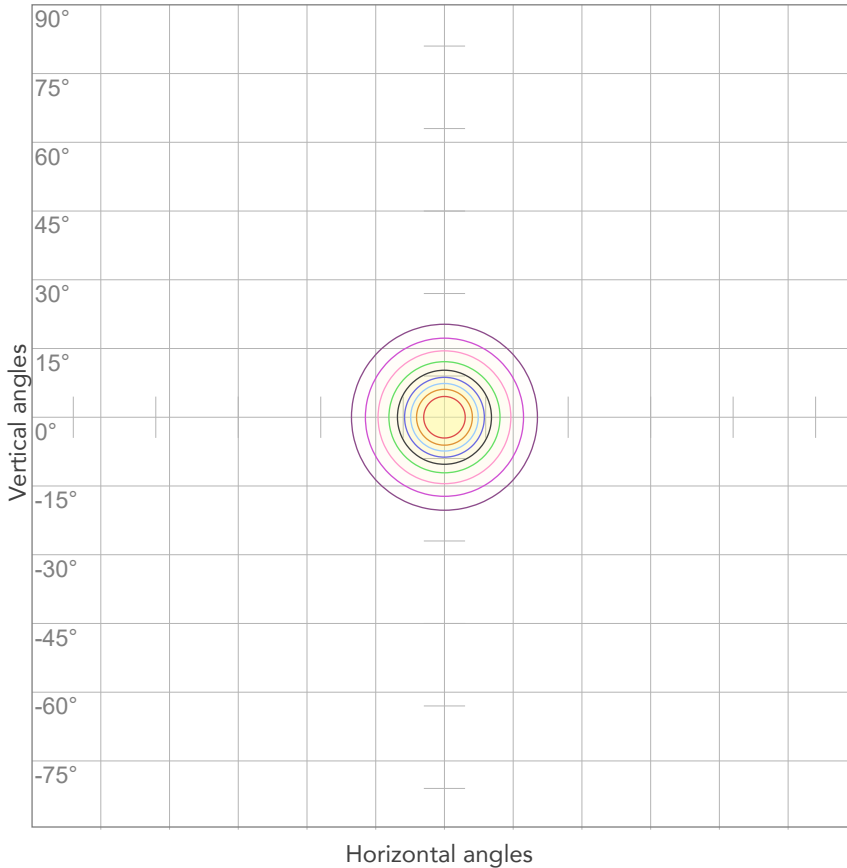


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,395A	50,8W	8lm/W

Power FC
0,56

ISO CANDELA DIAGRAM



10%	204 cd
20%	409 cd
30%	613 cd
40%	818 cd
50%	1022 cd
60%	1226 cd
70%	1431 cd
80%	1635 cd

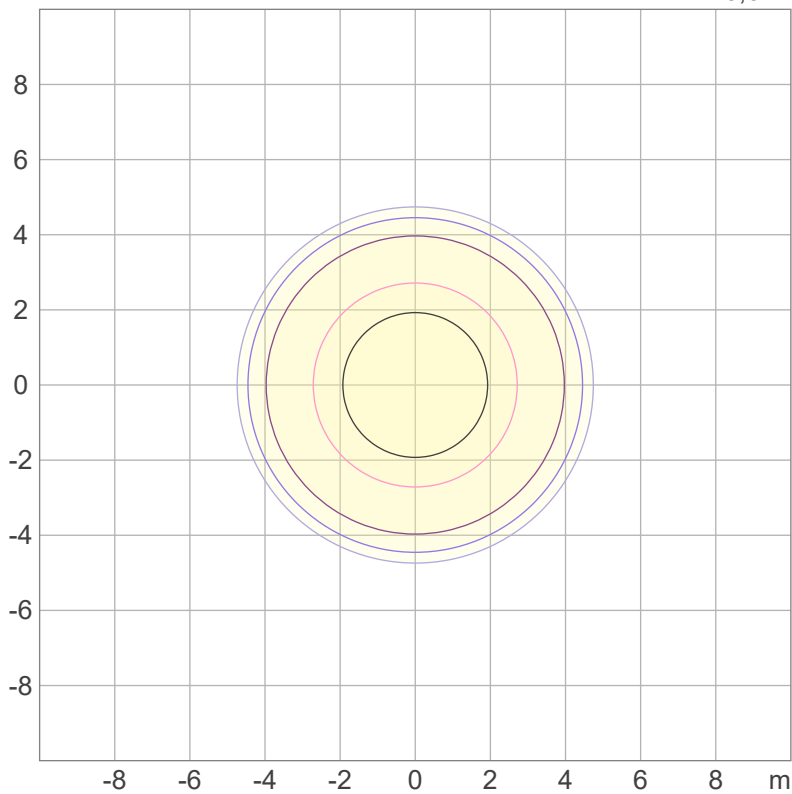
Conditions:

Number of c-planes: 2

Candela at center: 2044 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

3%	0,613 lx
5%	1,02 lx
10%	2,04 lx
30%	6,13 lx
50%	10,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 20,4 lx

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



Total lumen output:

219 lm

Peak candela output:

5374 cd

PRODUCT NAME:

ECLFRCTPL

MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

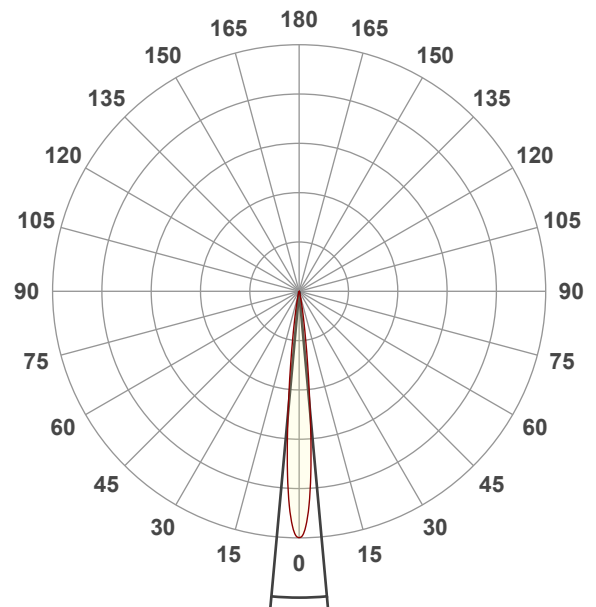
Cyan - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 12:30:24

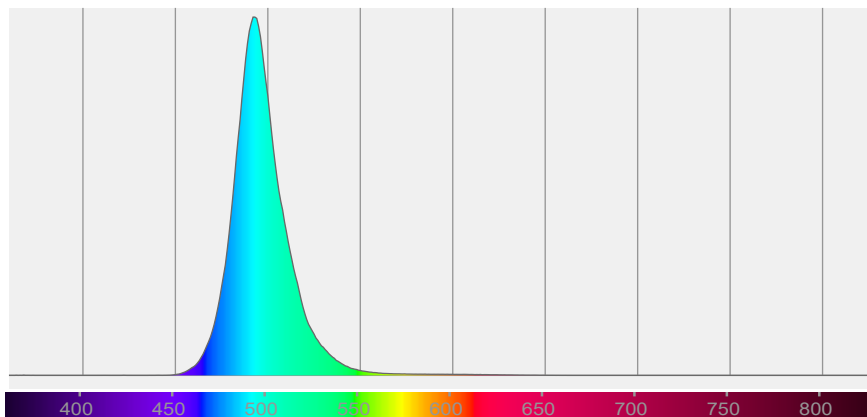


Beam angle 50%: 10,4°

Field angle 10%: 18,9°

Cut off angle 2.5%: 26,5°

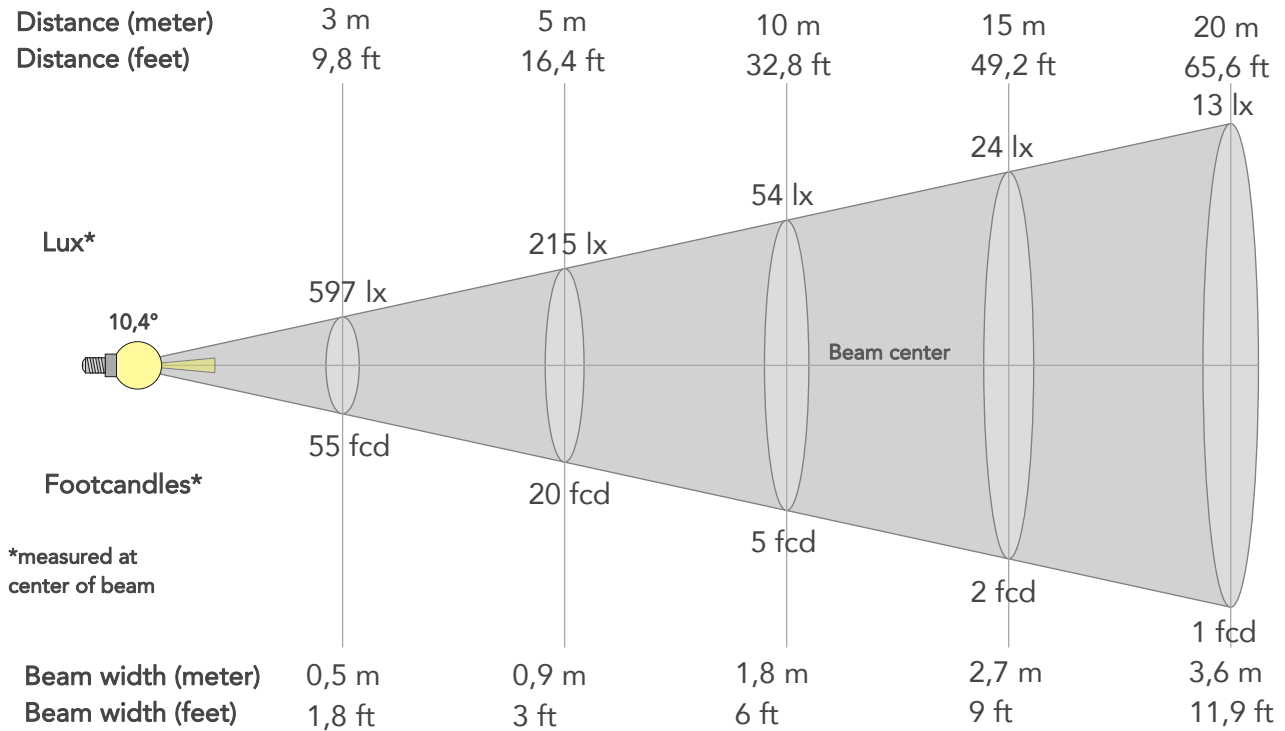
Spectra



BEAM DETAILS



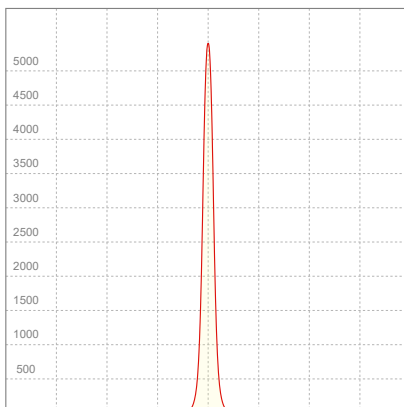
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,4°	18,9°	26,5°	100,0%	100,0%



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	5374lx	1344lx	597lx	336lx	215lx	96lx	54lx	24lx	13lx	9lx	6lx	3lx	2lx
Footcand.	499fcd	125fcd	55fcd	31fcd	20fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,4m	1,8m	2,7m	3,6m	4,5m	5,5m	7,3m	9,1m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	6ft	9ft	11,9ft	14,9ft	17,9ft	23,9ft	29,8ft

LINEAR DISTRIBUTION DIAGRAM

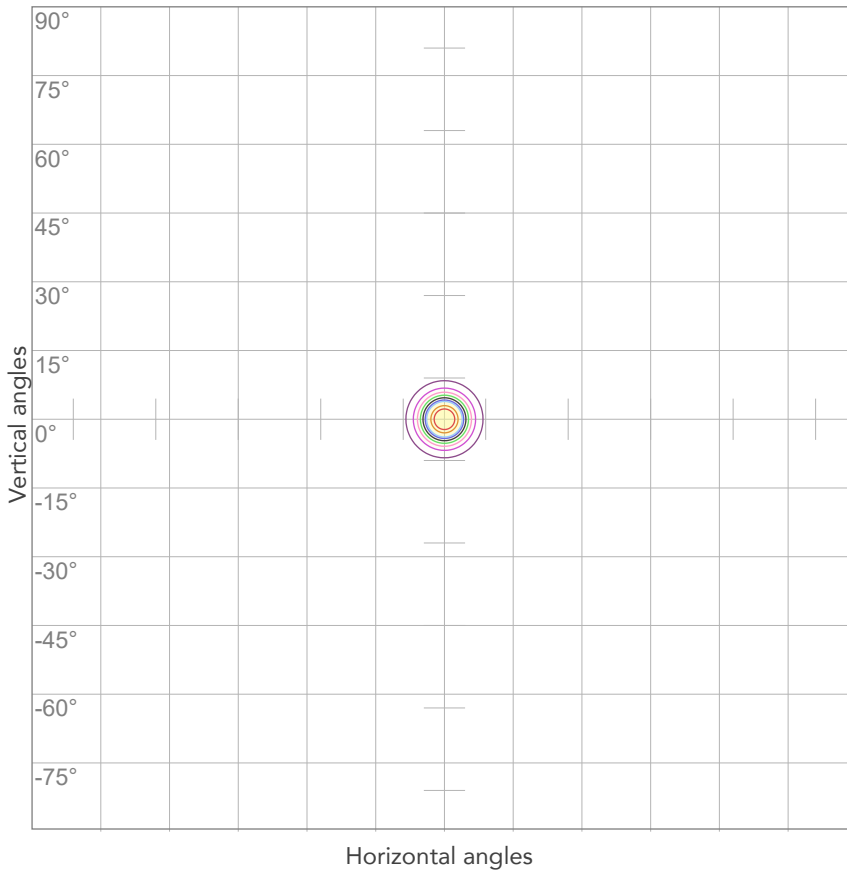


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,392A	50,5W	4lm/W

Power FC
0,57

ISO CANDELA DIAGRAM



10%	537 cd
20%	1075 cd
30%	1612 cd
40%	2150 cd
50%	2687 cd
60%	3225 cd
70%	3762 cd
80%	4300 cd

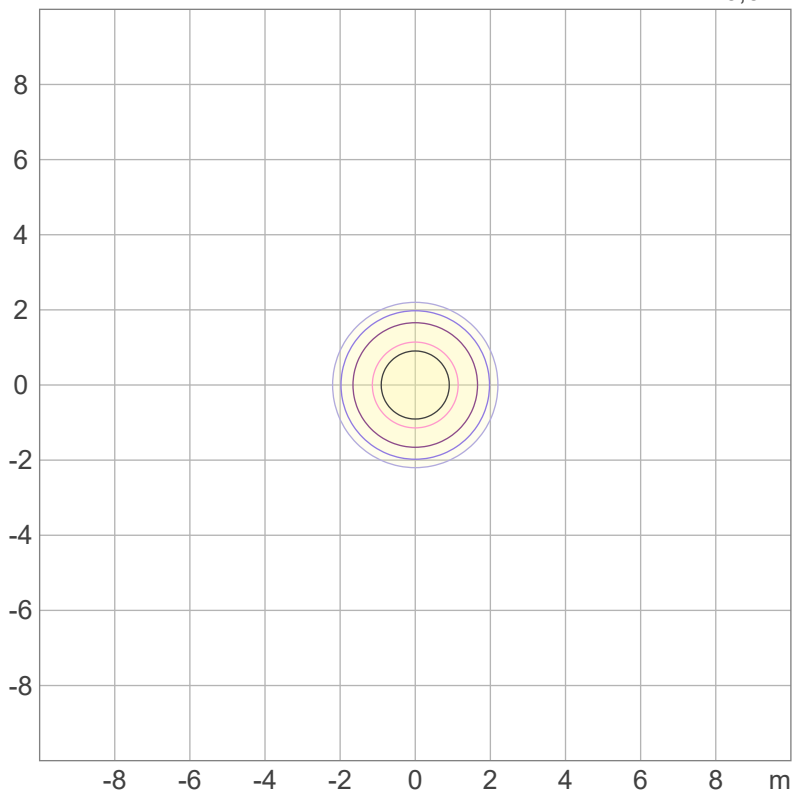
Conditions:

Number of c-planes: 2

Candela at center: 5374 cd

ISO LUX DIAGRAM

MH: 10,0 m



3%	1,61 lx
5%	2,69 lx
10%	5,37 lx
30%	16,1 lx
50%	26,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 53,7 lx

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



Total lumen output:

8175 lm

Peak candela output:

10742 cd

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

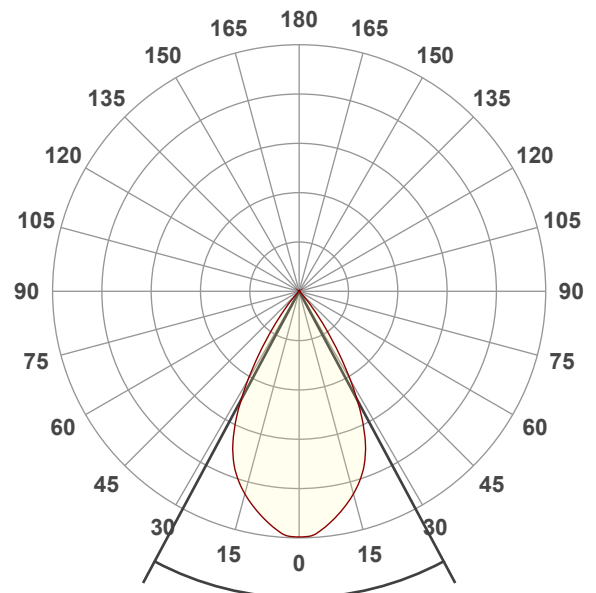
Mint - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 14:23:17

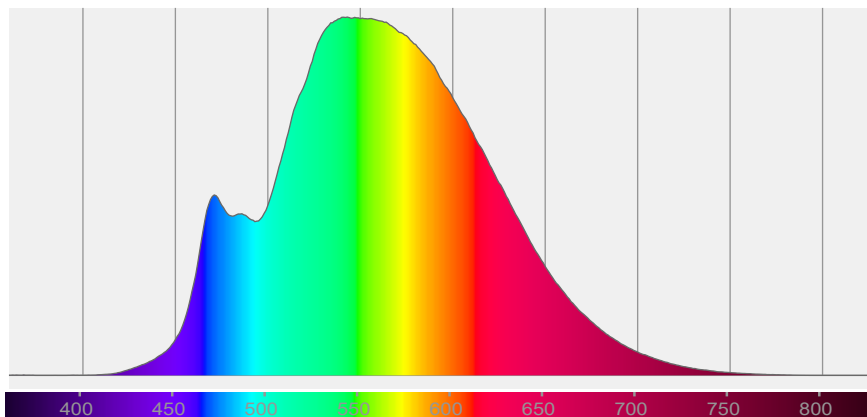


Beam angle 50%: 56,3°

Field angle 10%: 77°

Cut off angle 2.5%: 86,9°

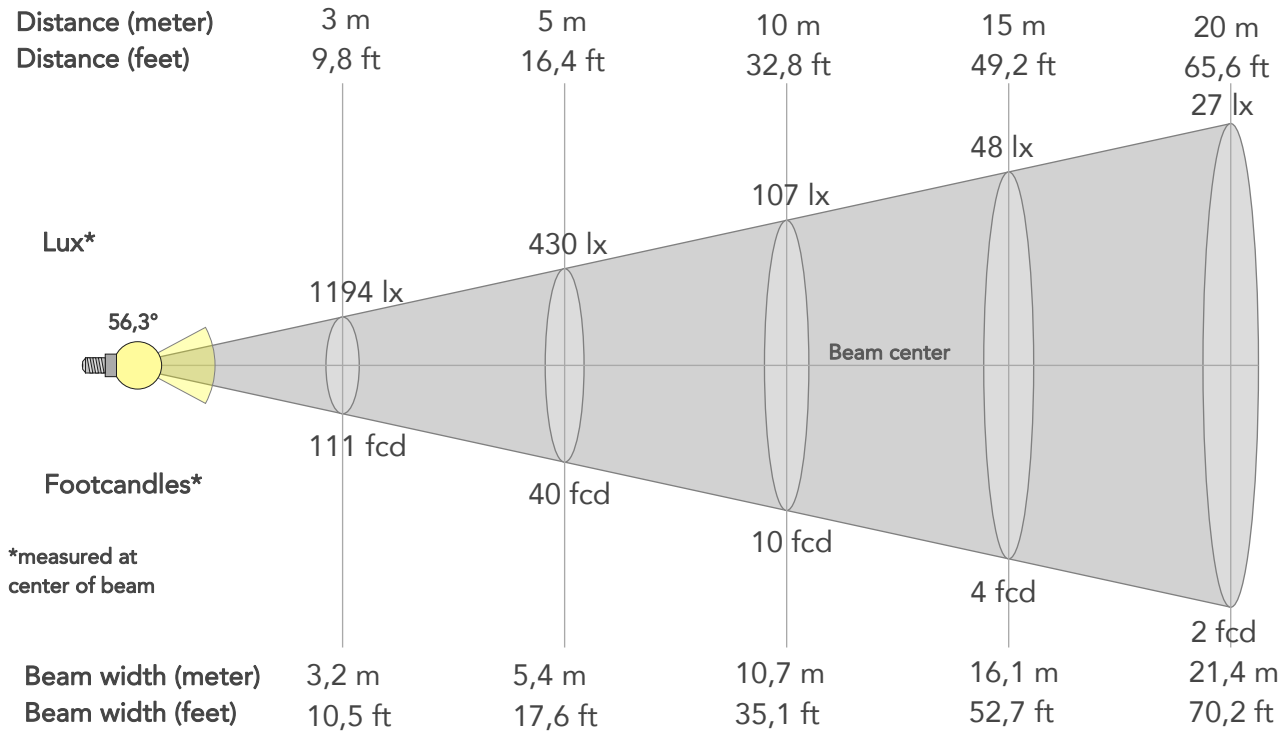
Spectra



BEAM DETAILS



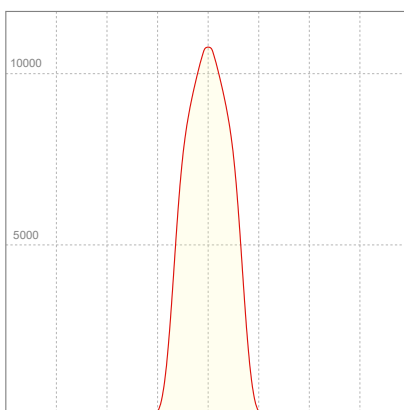
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,3°	77°	86,9°	100,0%	99,5%



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	10742lx	2686lx	1194lx	671lx	430lx	191lx	107lx	48lx	27lx	17lx	12lx	7lx	4lx
Footcand.	998fcd	249fcd	111fcd	62fcd	40fcd	18fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	1,1m	2,1m	3,2m	4,3m	5,4m	8m	10,7m	16,1m	21,4m	26,8m	32,1m	42,8m	53,5m
Beam wid.	3,5ft	7,1ft	10,5ft	14ft	17,6ft	26,3ft	35,1ft	52,7ft	70,2ft	87,8ft	105,3ft	140,4ft	175,5ft

LINEAR DISTRIBUTION DIAGRAM

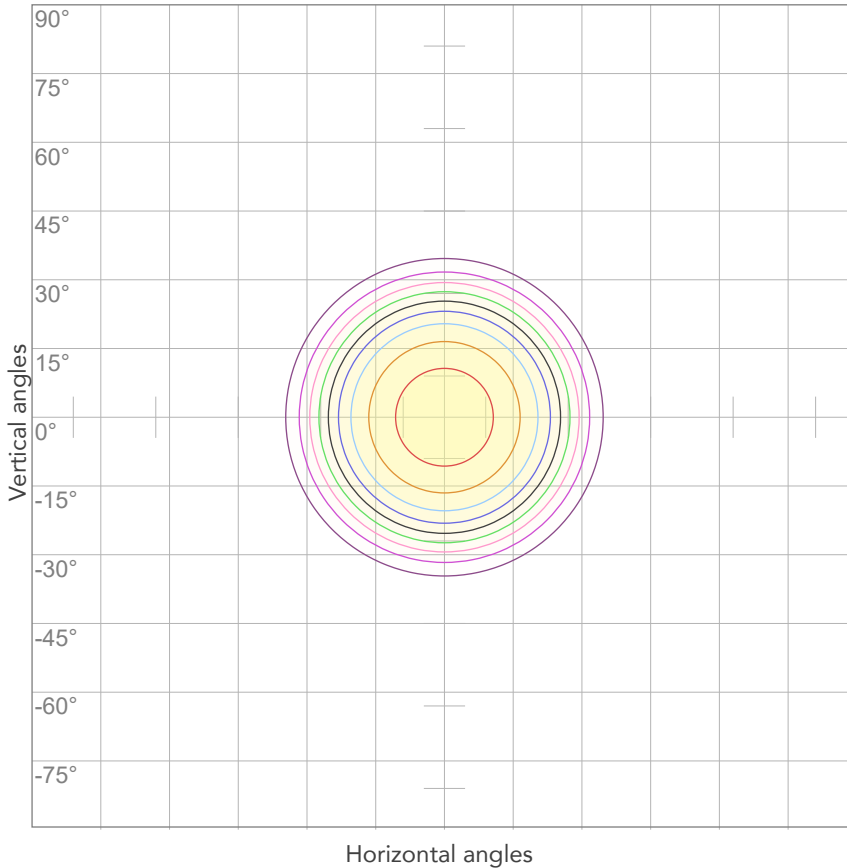


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	0,944A	207,6W	39lm/W

Power FC
0,98

ISO CANDELA DIAGRAM



10%	1074 cd
20%	2148 cd
30%	3223 cd
40%	4297 cd
50%	5371 cd
60%	6445 cd
70%	7520 cd
80%	8594 cd

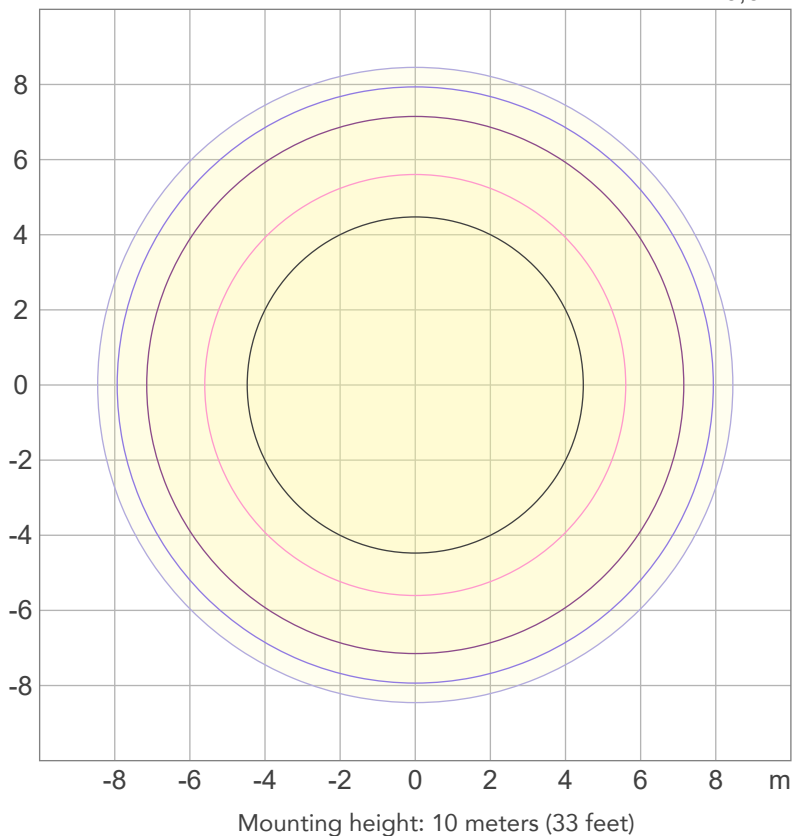
Conditions:

Number of c-planes: 2

Candela at center: 10742 cd

ISO LUX DIAGRAM

MH: 10,0 m



3%	3,22 lx
5%	5,37 lx
10%	10,7 lx
30%	32,2 lx
50%	53,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 107 lx

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



Total lumen output:

6594 lm

Peak candela output:

35061 cd

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

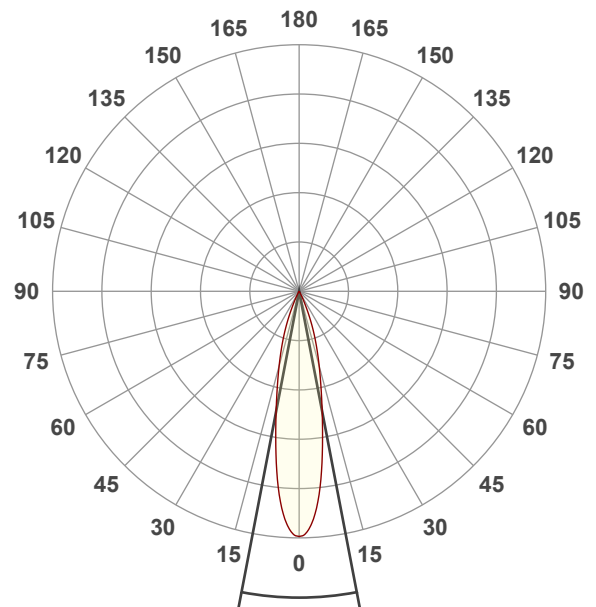
Mint - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 13:22:35

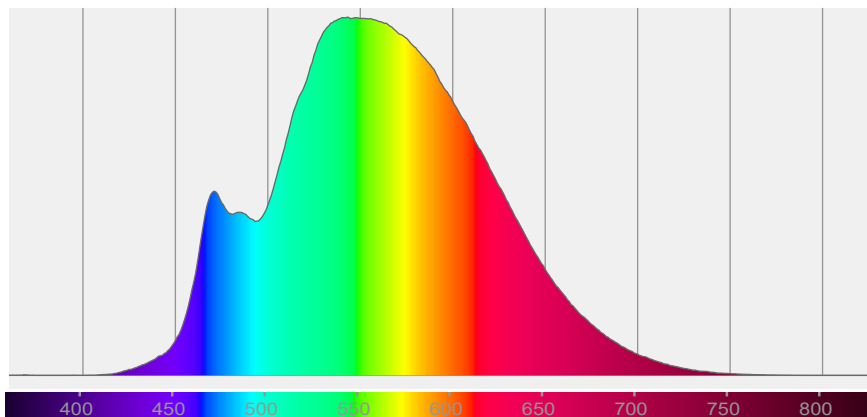


Beam angle 50%: 21,7°

Field angle 10%: 44,9°

Cut off angle 2.5%: 54,1°

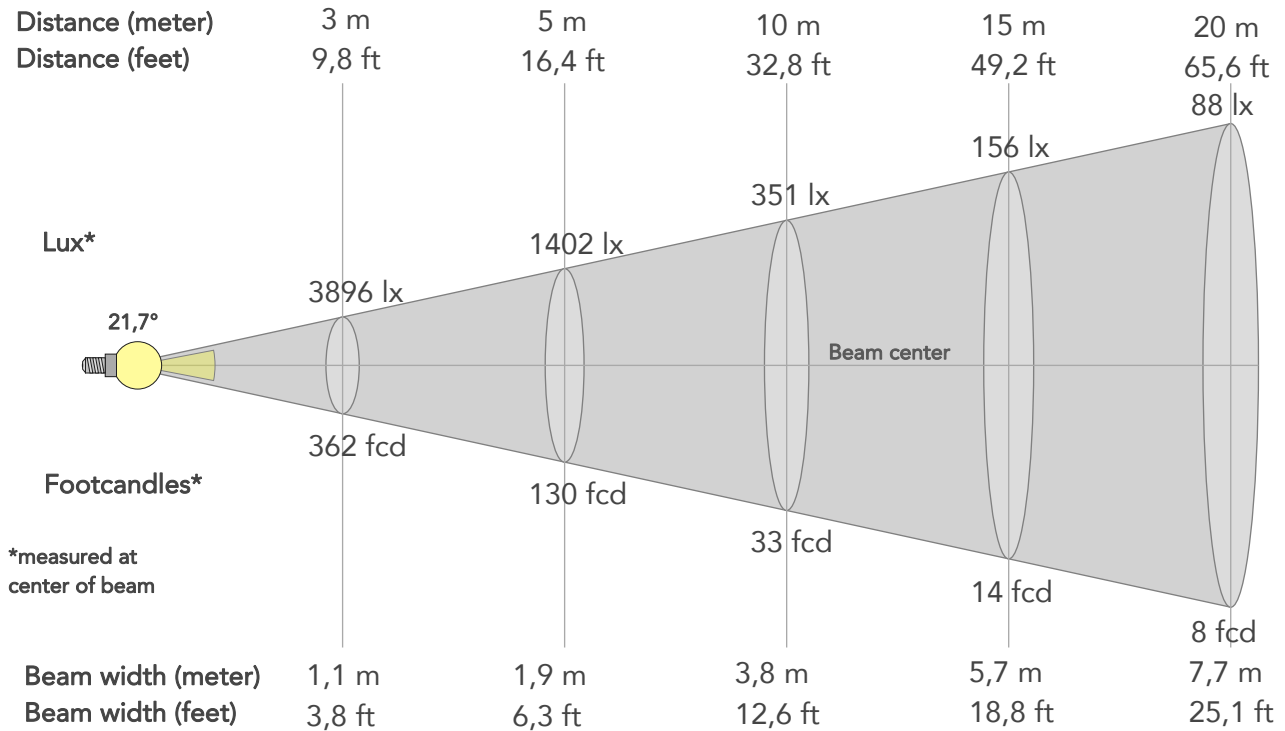
Spectra



BEAM DETAILS



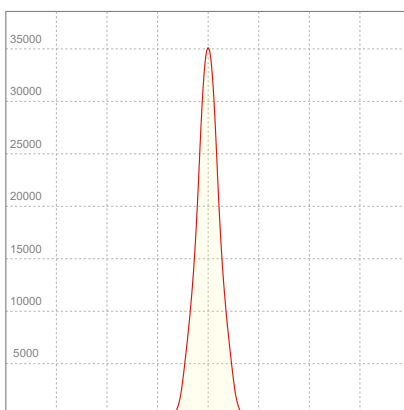
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,7°	44,9°	54,1°	100,0%	100,0%



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	35061lx	8765lx	3896lx	2191lx	1402lx	623lx	351lx	156lx	88lx	56lx	39lx	22lx	14lx
Footcand.	3257fcd	814fcd	362fcd	204fcd	130fcd	58fcd	33fcd	14fcd	8fcd	5fcd	4fcd	2fcd	1fcd
Beam wid.	0,4m	0,8m	1,1m	1,5m	1,9m	2,9m	3,8m	5,7m	7,7m	9,6m	11,5m	15,3m	19,2m
Beam wid.	1,3ft	2,5ft	3,8ft	5ft	6,3ft	9,4ft	12,6ft	18,8ft	25,1ft	31,4ft	37,7ft	50,3ft	62,8ft

LINEAR DISTRIBUTION DIAGRAM

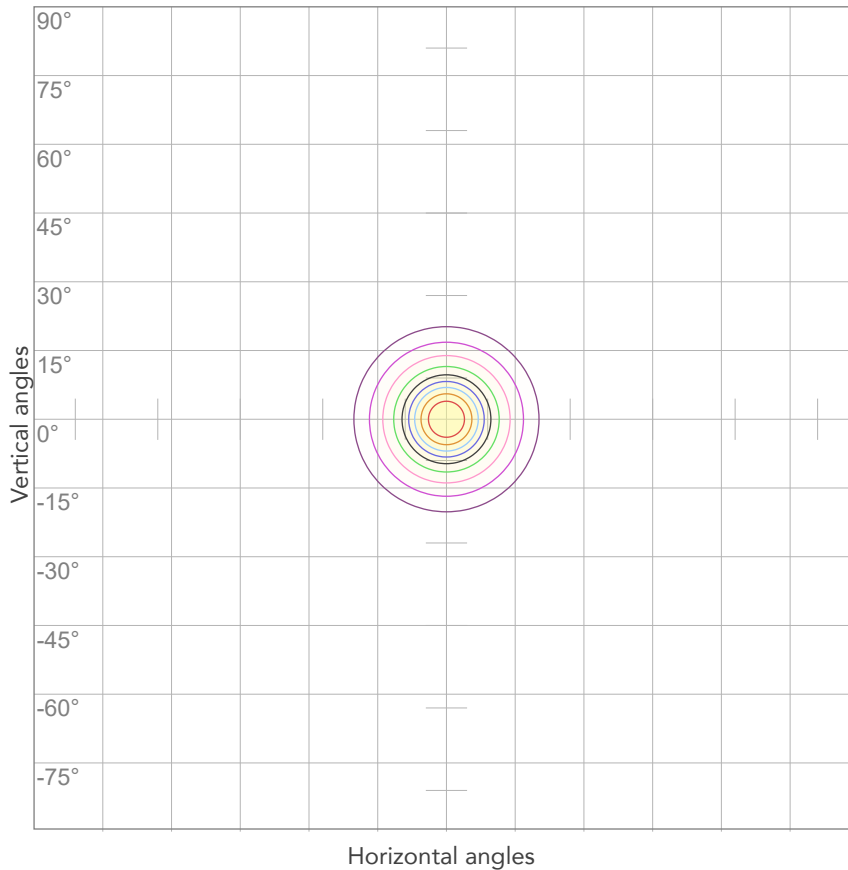


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,935A	207,6W	32lm/W

Power FC
0,98

ISO CANDELA DIAGRAM



10%	3506 cd
20%	7012 cd
30%	10518 cd
40%	14025 cd
50%	17531 cd
60%	21037 cd
70%	24543 cd
80%	28049 cd

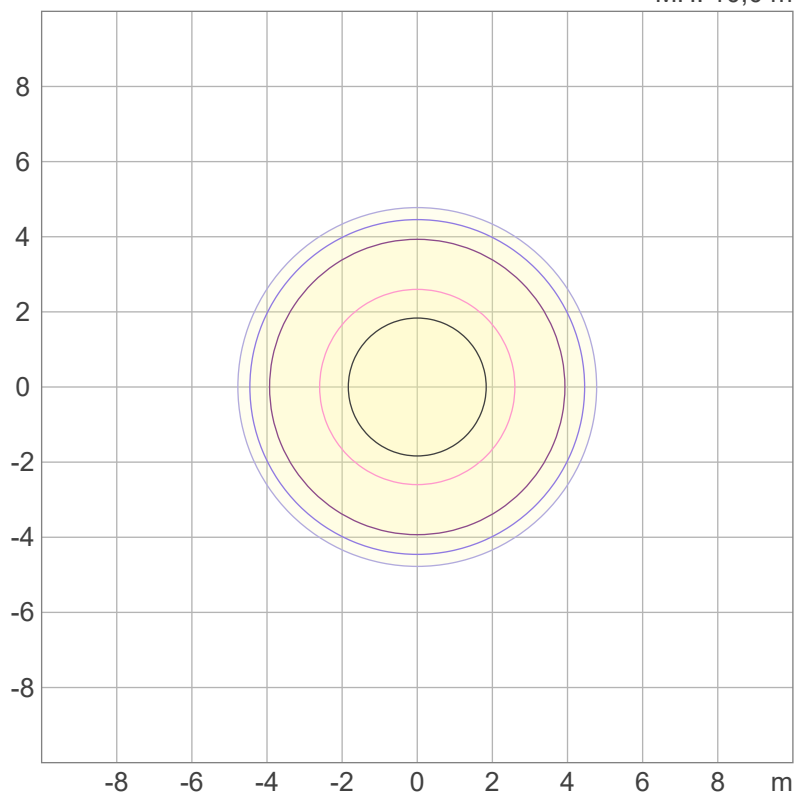
Conditions:

Number of c-planes: 2

Candela at center: 35061 cd

ISO LUX DIAGRAM

MH: 10,0 m



3%	10,5 lx
5%	17,5 lx
10%	35,1 lx
30%	105 lx
50%	175 lx

Conditions:

Number of c-planes: 2

Lux at center: 351 lx

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



Total lumen output:

3756 lm

Peak candela output:

91504 cd

PRODUCT NAME:

ECLFRCTPL

MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

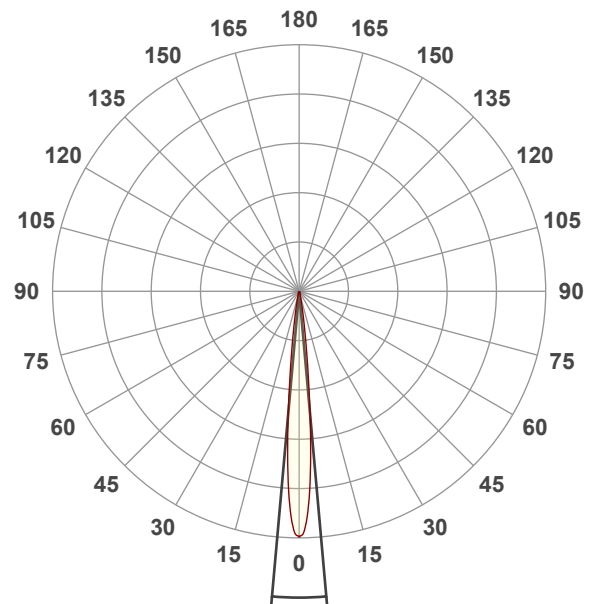
Mint - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 12:23:08

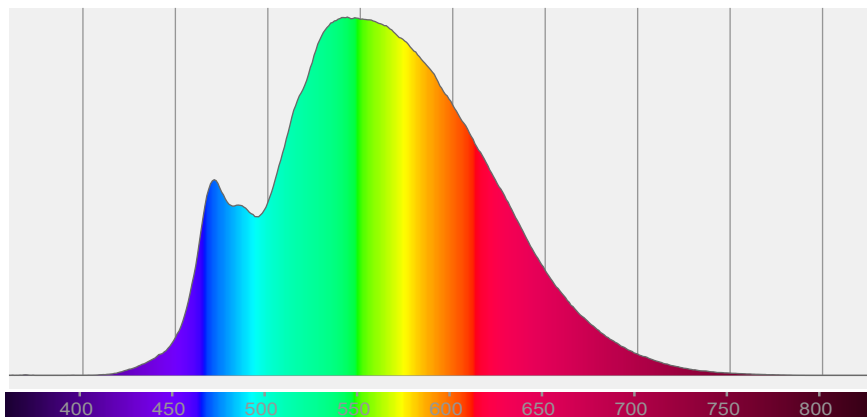


Beam angle 50%: 10,2°

Field angle 10%: 19°

Cut off angle 2.5%: 27,2°

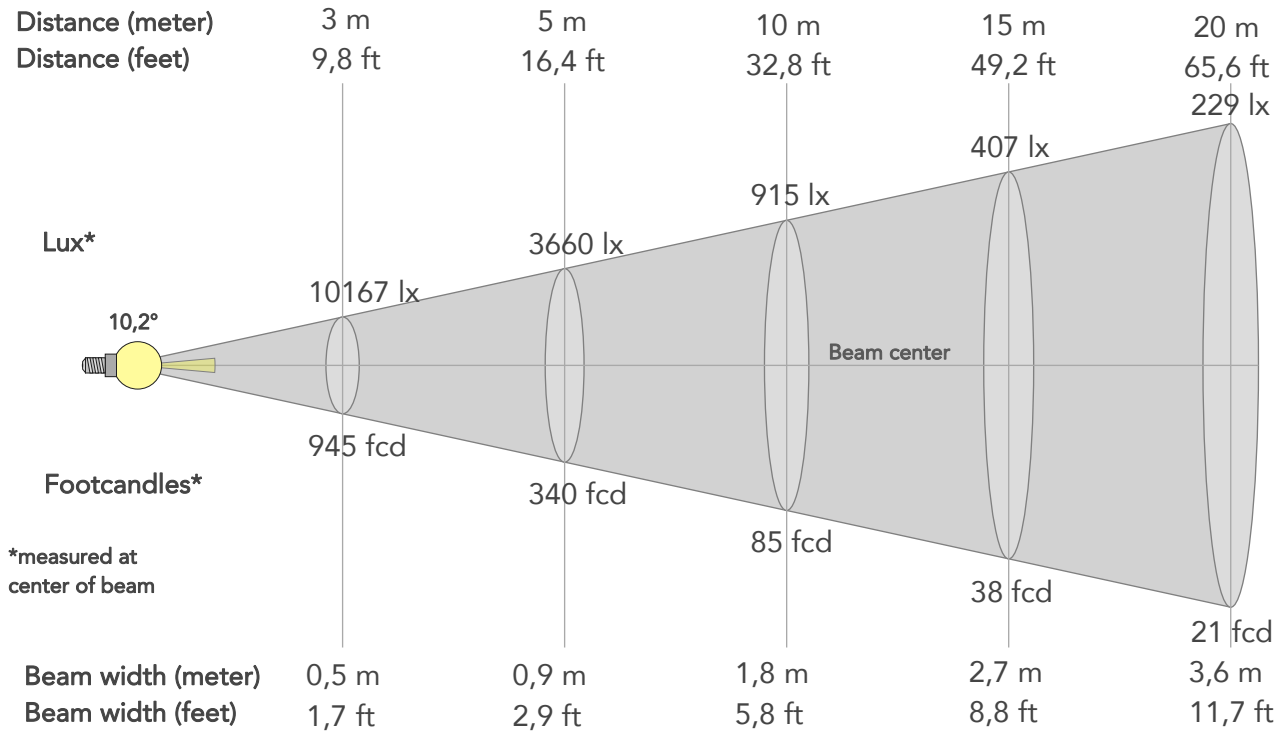
Spectra



BEAM DETAILS



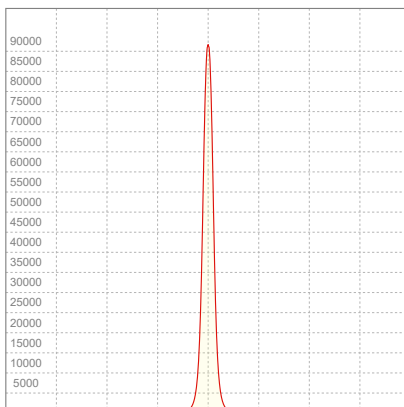
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,2°	19°	27,2°	100,0%	100,0%



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	91504lx	22876lx	10167lx	5719lx	3660lx	1627lx	915lx	407lx	229lx	146lx	102lx	57lx	37lx
Footcand.	8501fcd	2125fcd	945fcd	531fcd	340fcd	151fcd	85fcd	38fcd	21fcd	14fcd	9fcd	5fcd	3fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,7m	3,6m	4,5m	5,3m	7,1m	8,9m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,4ft	5,8ft	8,8ft	11,7ft	14,6ft	17,5ft	23,4ft	29,2ft

LINEAR DISTRIBUTION DIAGRAM

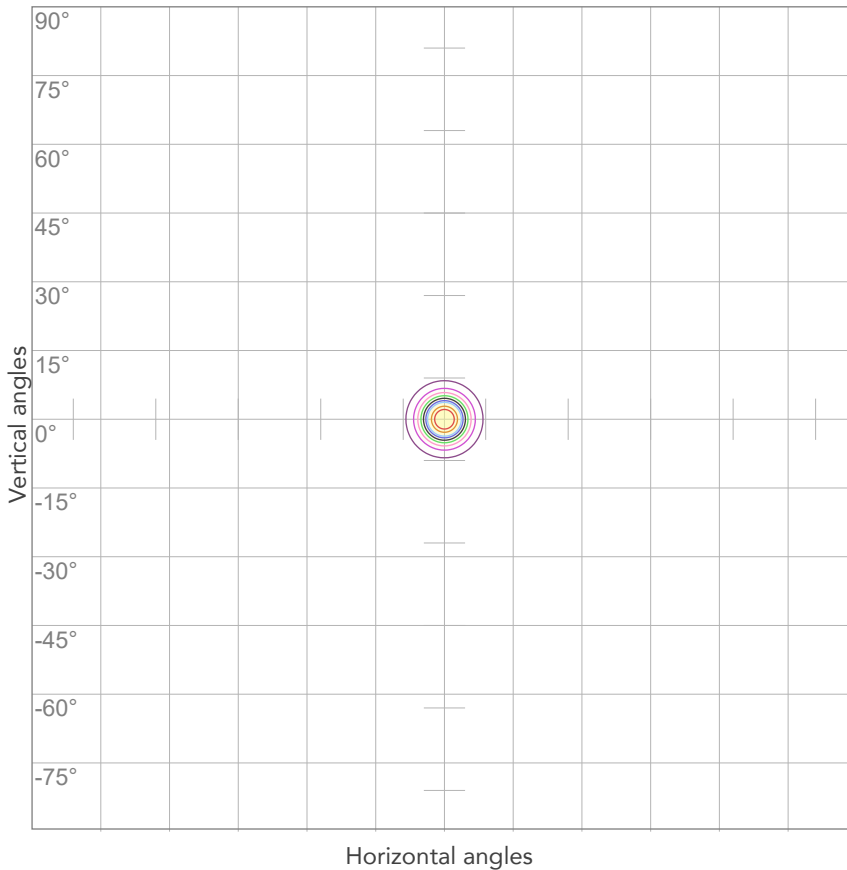


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	0,953A	208,7W	18lm/W

Power FC
0,98

ISO CANDELA DIAGRAM



10%	9150 cd
20%	18301 cd
30%	27451 cd
40%	36602 cd
50%	45752 cd
60%	54902 cd
70%	64053 cd
80%	73203 cd

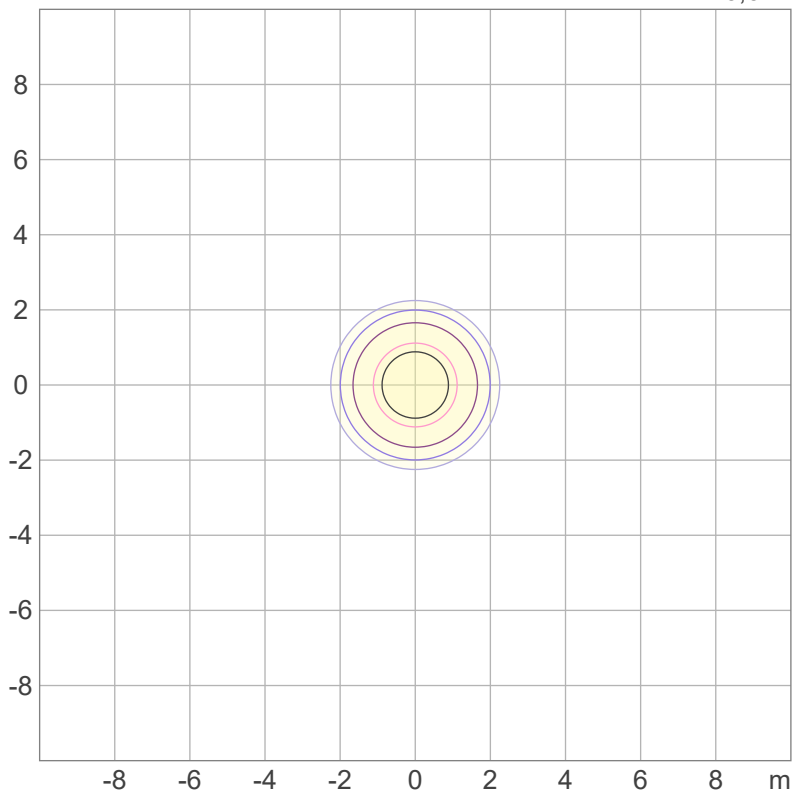
Conditions:

Number of c-planes: 2

Candela at center: 91504 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

3%	27,5 lx
5%	45,8 lx
10%	91,5 lx
30%	275 lx
50%	458 lx

Conditions:

Number of c-planes: 2

Lux at center: 915 lx

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



Total lumen output:

3248 lm

Peak candela output:

4389 cd

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

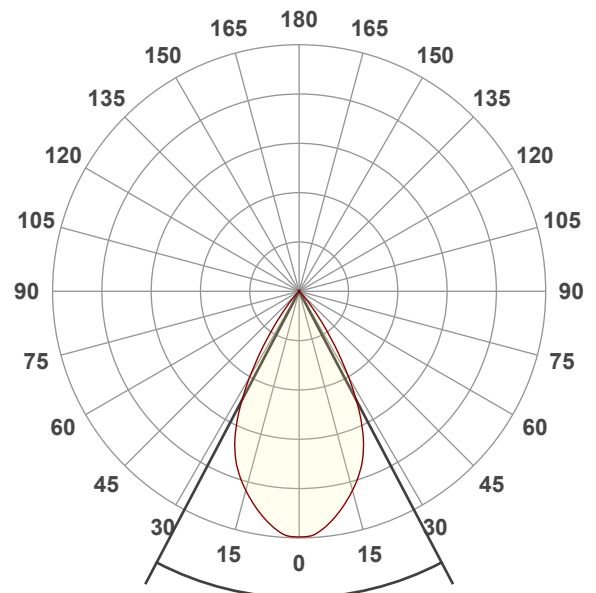
Amber - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 14:24:45

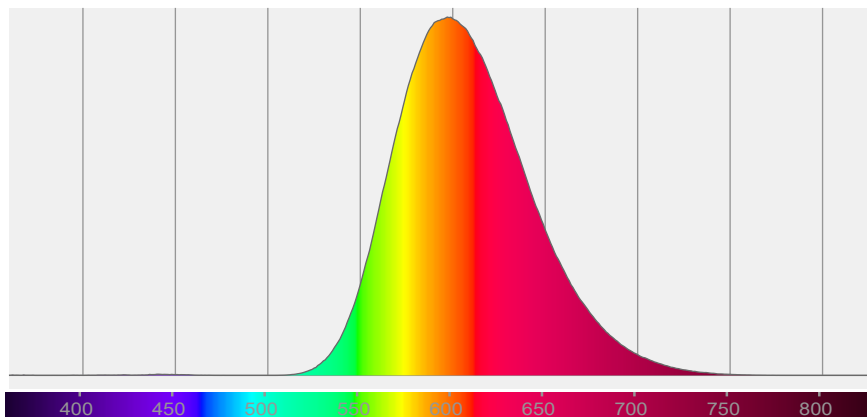


Beam angle 50%: 55,4°

Field angle 10%: 76,6°

Cut off angle 2.5%: 86,4°

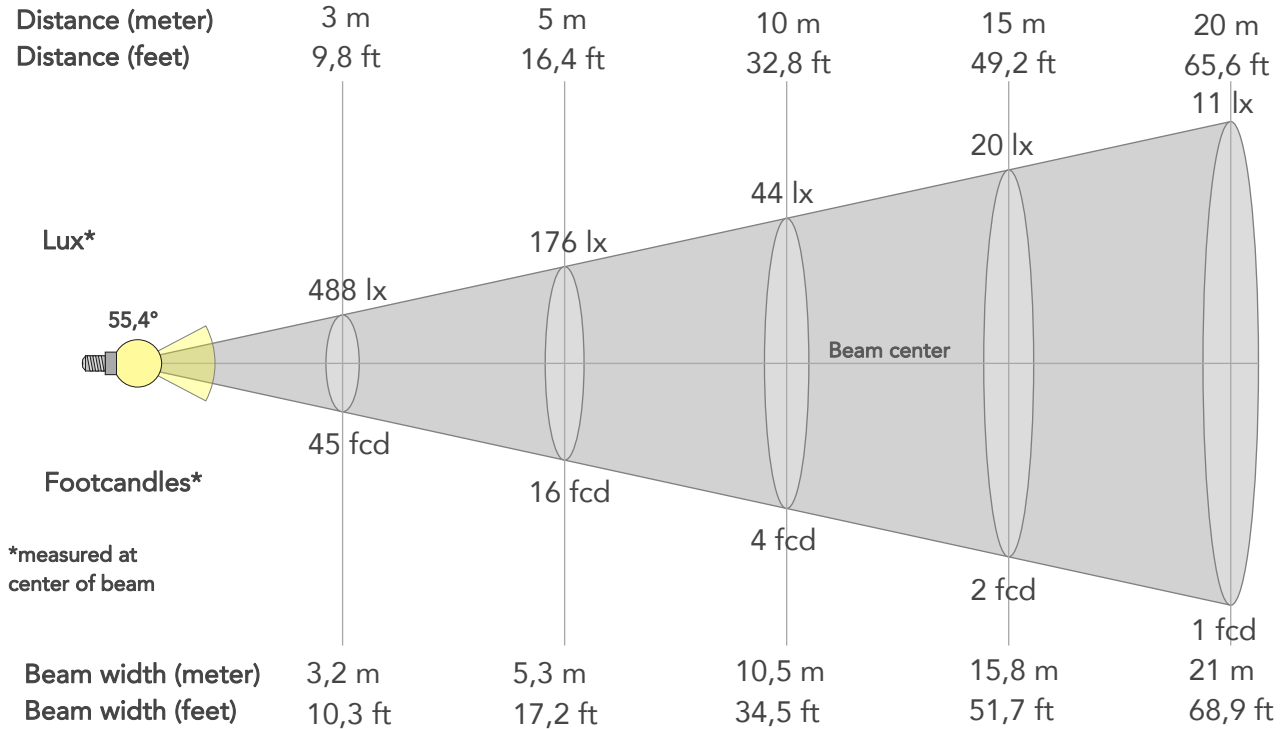
Spectra



BEAM DETAILS



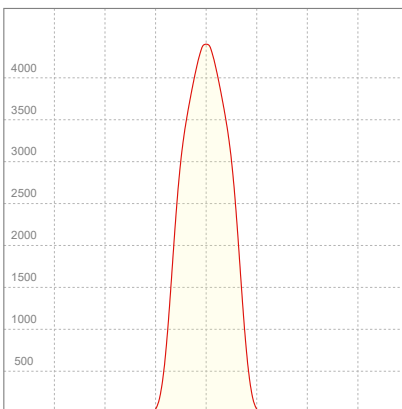
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
55,4°	76,6°	86,4°	100,0%	99,5%



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	4389lx	1097lx	488lx	274lx	176lx	78lx	44lx	20lx	11lx	7lx	5lx	3lx	2lx
Footcand.	408fcd	102fcd	45fcd	25fcd	16fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,1m	3,2m	4,2m	5,3m	7,9m	10,5m	15,8m	21m	26,3m	31,5m	42m	52,5m
Beam wid.	3,5ft	6,9ft	10,3ft	13,8ft	17,2ft	25,8ft	34,5ft	51,7ft	68,9ft	86,2ft	103,4ft	137,9ft	172,3ft

LINEAR DISTRIBUTION DIAGRAM

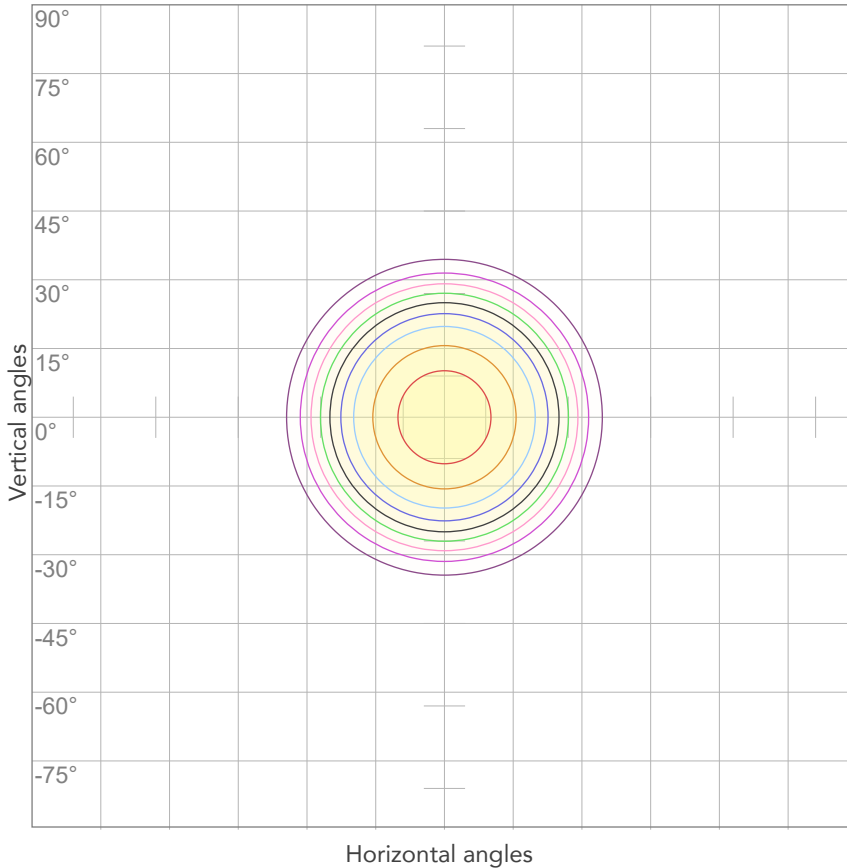


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,734A	158,8W	20lm/W

Power FC
0,95

ISO CANDELA DIAGRAM



10%	439 cd
20%	878 cd
30%	1317 cd
40%	1755 cd
50%	2194 cd
60%	2633 cd
70%	3072 cd
80%	3511 cd

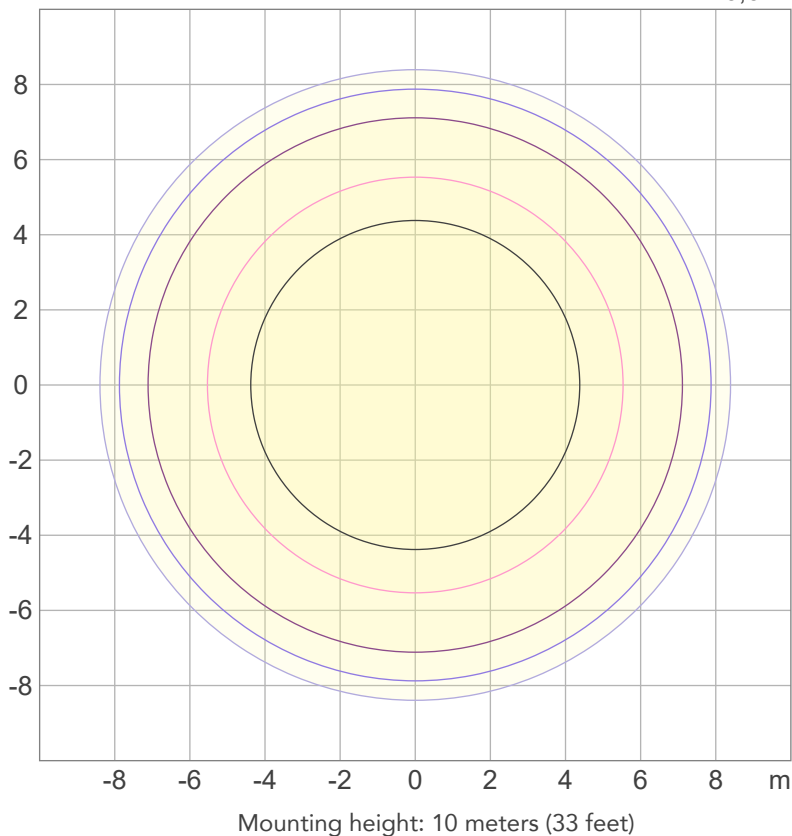
Conditions:

Number of c-planes: 2

Candela at center: 4389 cd

ISO LUX DIAGRAM

MH: 10,0 m



3%	1,32 lx
5%	2,19 lx
10%	4,39 lx
30%	13,2 lx
50%	21,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 43,9 lx

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



Total lumen output:

2632 lm

Peak candela output:

14238 cd

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

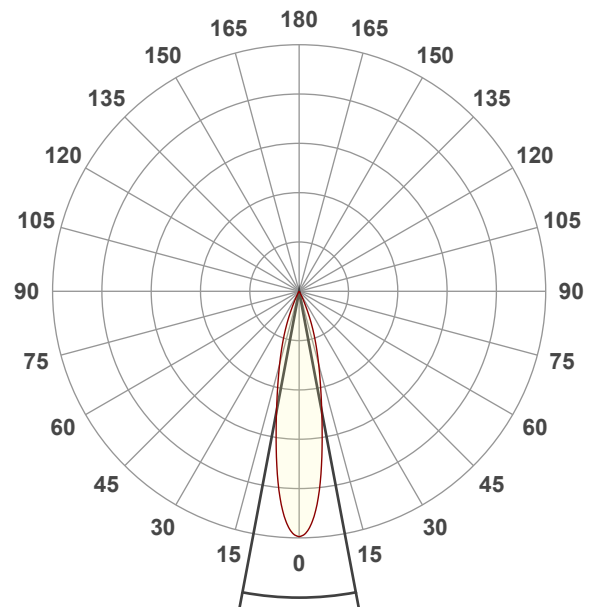
Amber - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 13:24:11

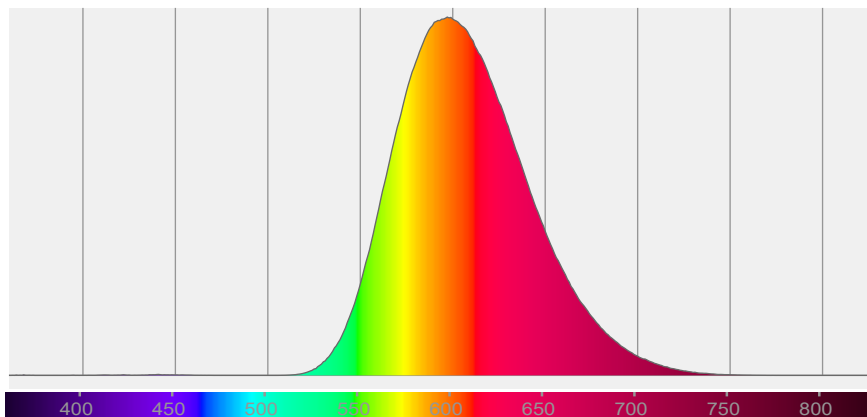


Beam angle 50%: 21,3°

Field angle 10%: 44,7°

Cut off angle 2.5%: 54°

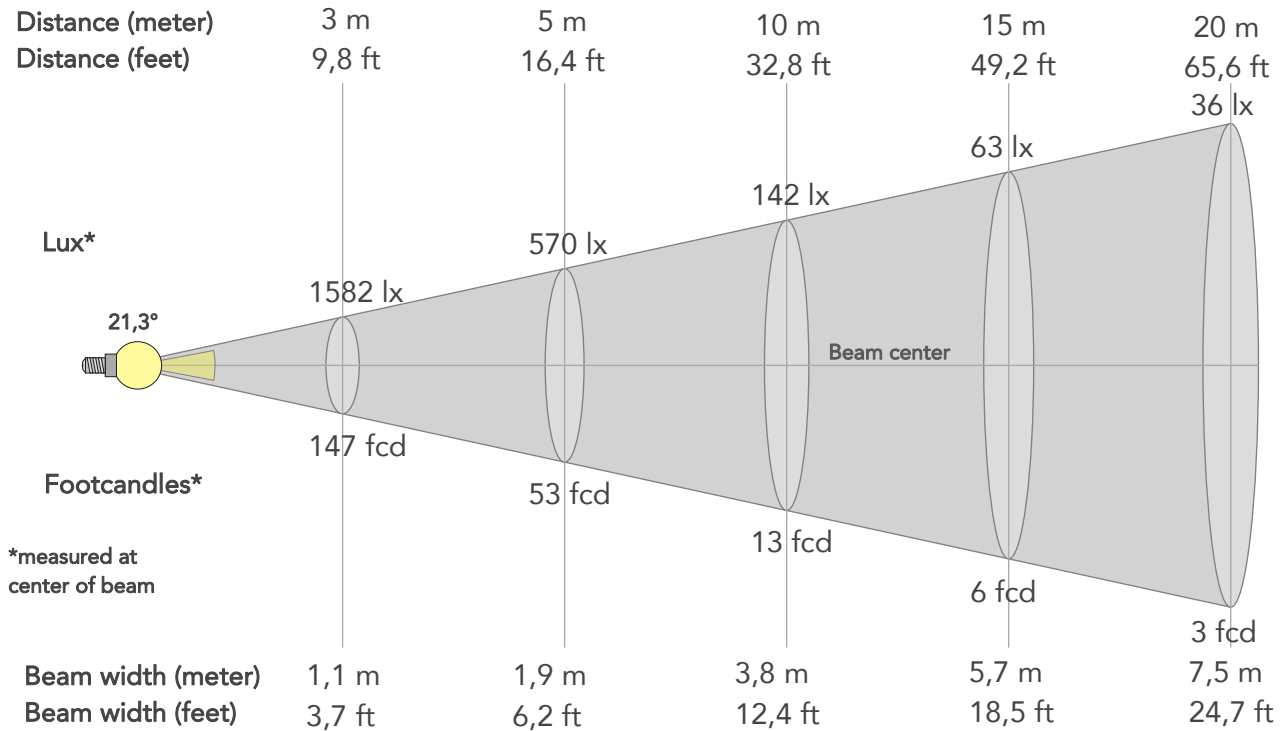
Spectra



BEAM DETAILS



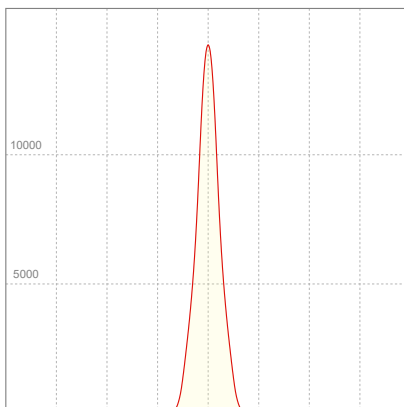
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,3°	44,7°	54°	100,0%	99,9%



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	14238lx	3560lx	1582lx	890lx	570lx	253lx	142lx	63lx	36lx	23lx	16lx	9lx	6lx
Footcand.	1323fcd	331fcd	147fcd	83fcd	53fcd	24fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	1fcd
Beam wid.	0,4m	0,8m	1,1m	1,5m	1,9m	2,8m	3,8m	5,7m	7,5m	9,4m	11,3m	15,1m	18,8m
Beam wid.	1,2ft	2,5ft	3,7ft	4,9ft	6,2ft	9,3ft	12,4ft	18,5ft	24,7ft	30,9ft	37,1ft	49,4ft	61,8ft

LINEAR DISTRIBUTION DIAGRAM

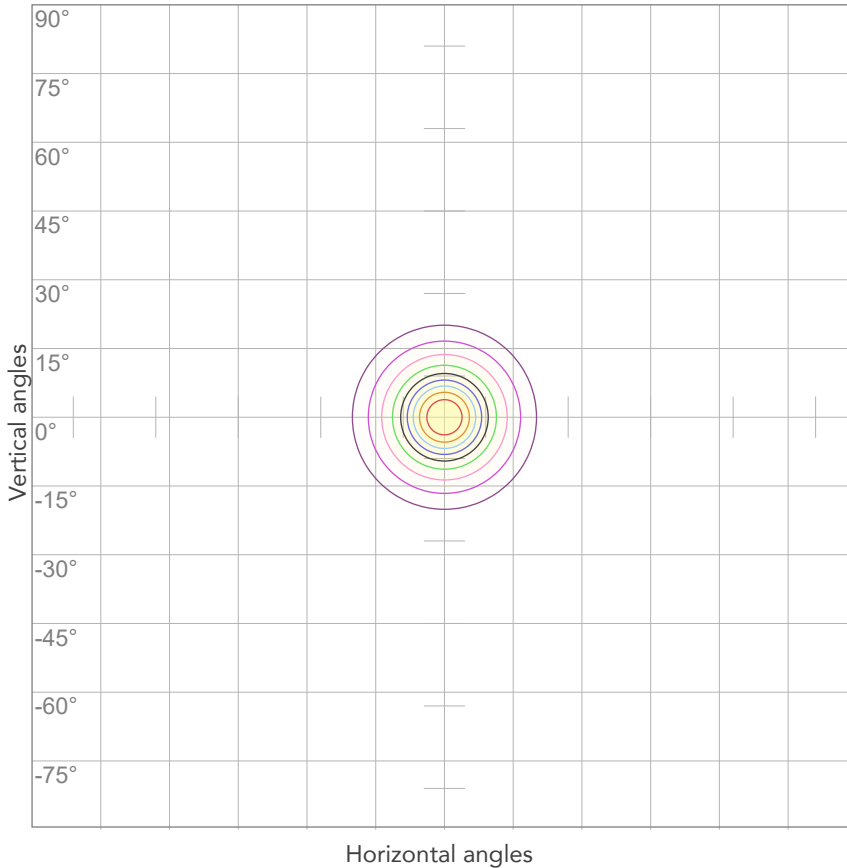


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,733A	159W	17lm/W

Power FC
0,95

ISO CANDELA DIAGRAM



10%	1424 cd
20%	2848 cd
30%	4272 cd
40%	5695 cd
50%	7119 cd
60%	8543 cd
70%	9967 cd
80%	11391 cd

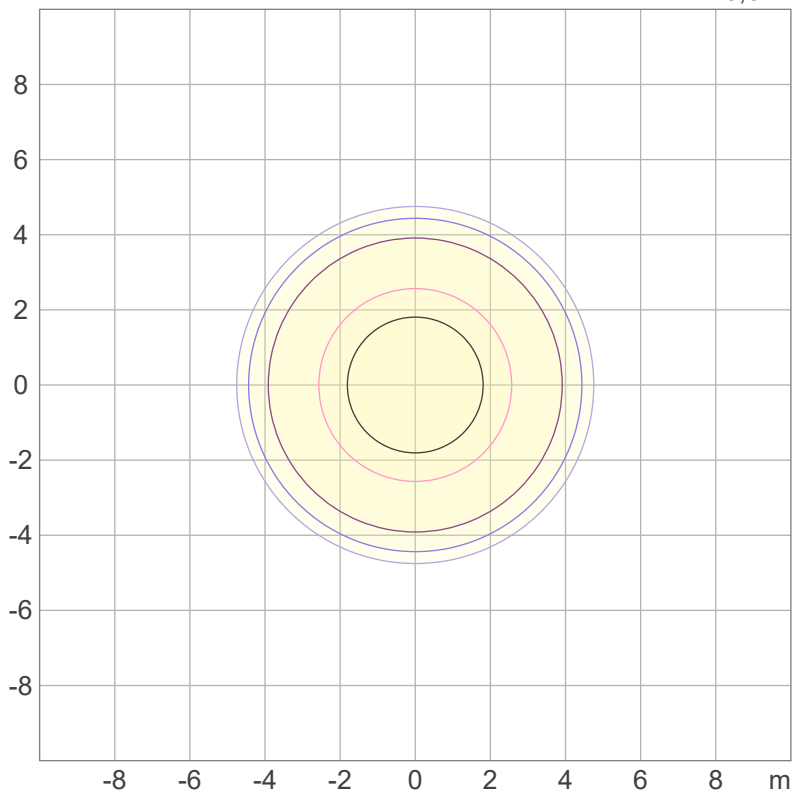
Conditions:

Number of c-planes: 2

Candela at center: 14238 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

3%	4,27 lx
5%	7,12 lx
10%	14,2 lx
30%	42,7 lx
50%	71,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 142 lx

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



Total lumen output:

1442 lm

Peak candela output:

37073 cd

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

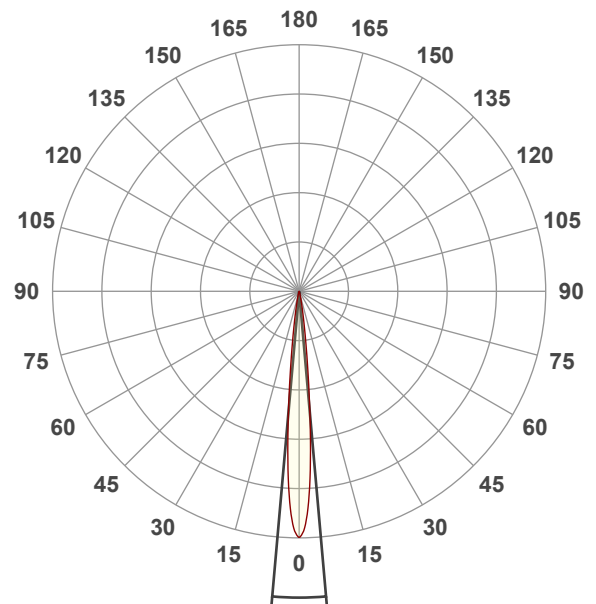
Amber - HQ

Operator:

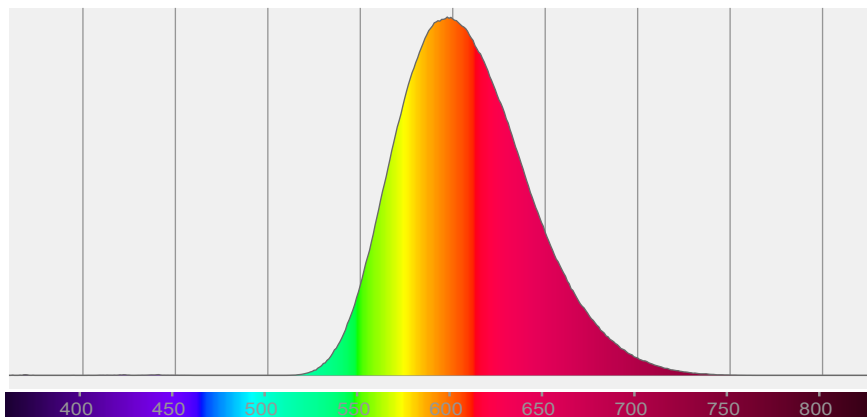
Salvatore Giglio

Date and time:

21/09/2023 12:21:34



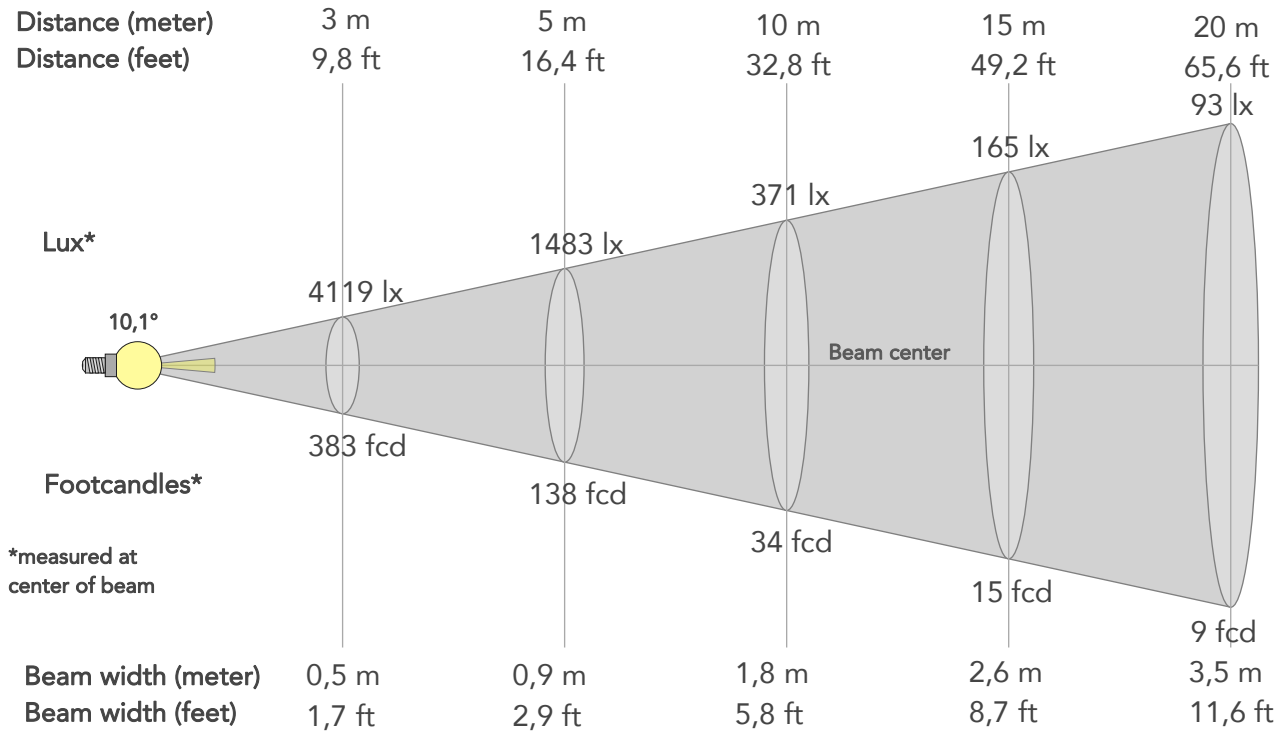
Spectra



BEAM DETAILS



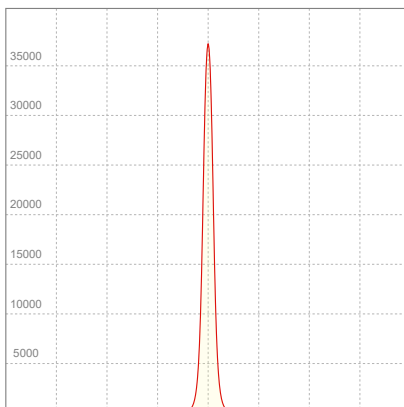
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,1°	18,7°	26,4°	100,0%	100,0%



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	37073lx	9268lx	4119lx	2317lx	1483lx	659lx	371lx	165lx	93lx	59lx	41lx	23lx	15lx
Footcand.	3444fcd	861fcd	383fcd	215fcd	138fcd	61fcd	34fcd	15fcd	9fcd	6fcd	4fcd	2fcd	1fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,6m	3,5m	4,4m	5,3m	7,1m	8,8m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,3ft	5,8ft	8,7ft	11,6ft	14,5ft	17,4ft	23,1ft	28,9ft

LINEAR DISTRIBUTION DIAGRAM

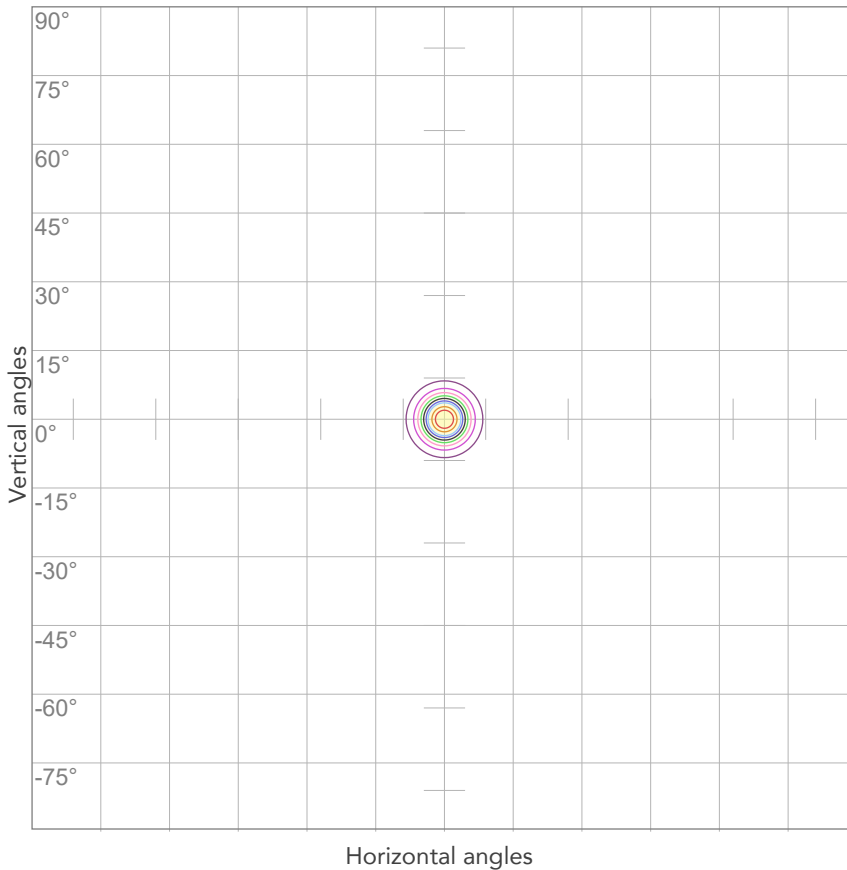


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,743A	159,7W	9lm/W

Power FC
0,96

ISO CANDELA DIAGRAM



10%	3707 cd
20%	7415 cd
30%	11122 cd
40%	14829 cd
50%	18537 cd
60%	22244 cd
70%	25951 cd
80%	29659 cd

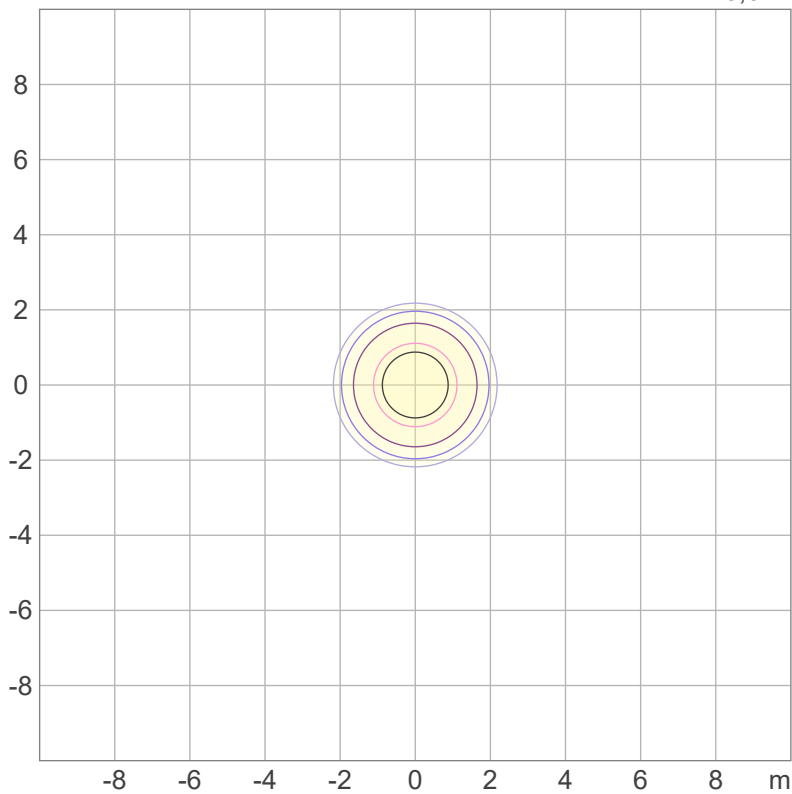
Conditions:

Number of c-planes: 2

Candela at center: 37073 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

3%	11,1 lx
5%	18,5 lx
10%	37,1 lx
30%	111 lx
50%	185 lx

Conditions:

Number of c-planes: 2

Lux at center: 371 lx

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



Total lumen output:

10456 lm

Peak candela output:

13871 cd

Light quality:

CRI: 97,1

Color temperature:

2816 K

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

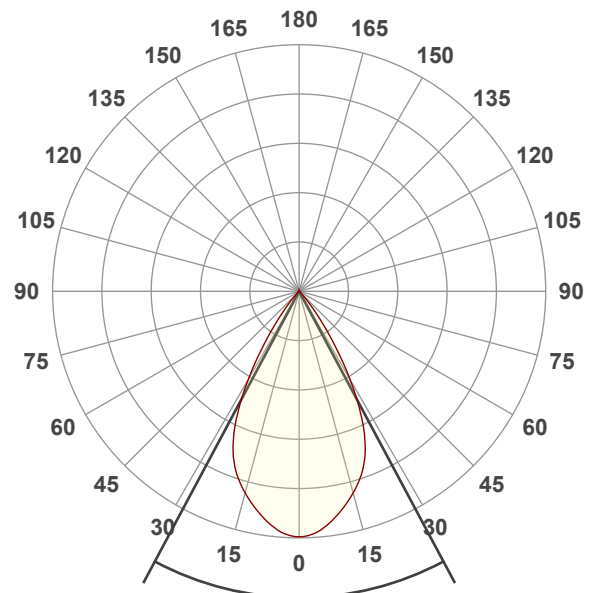
2800K - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 14:35:42

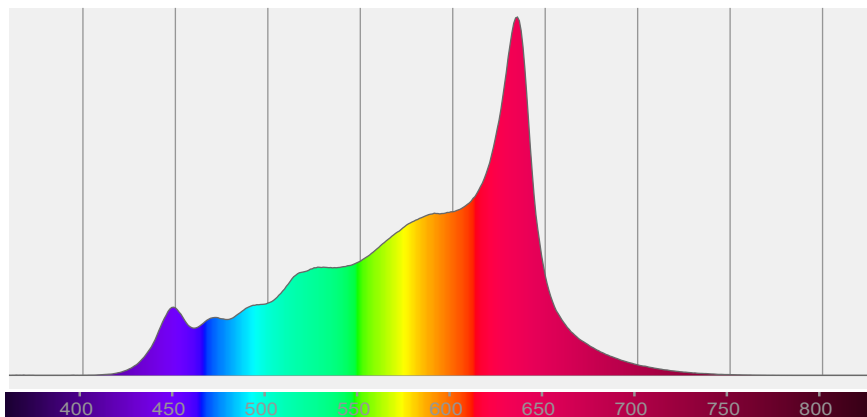


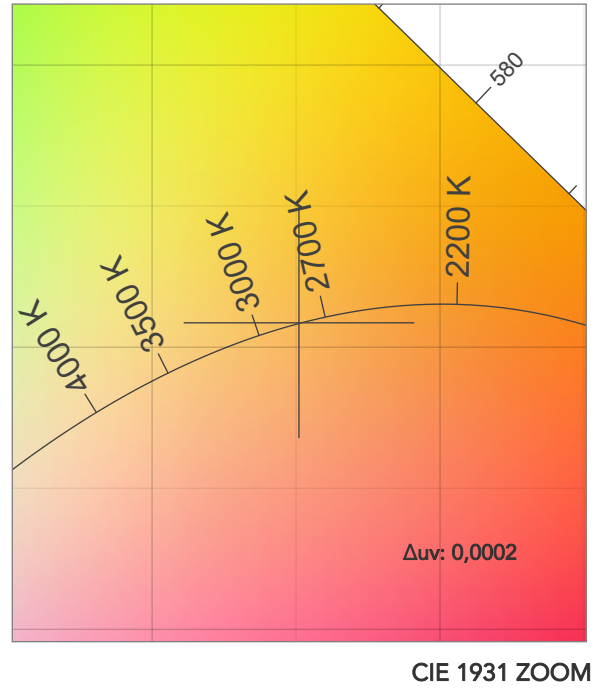
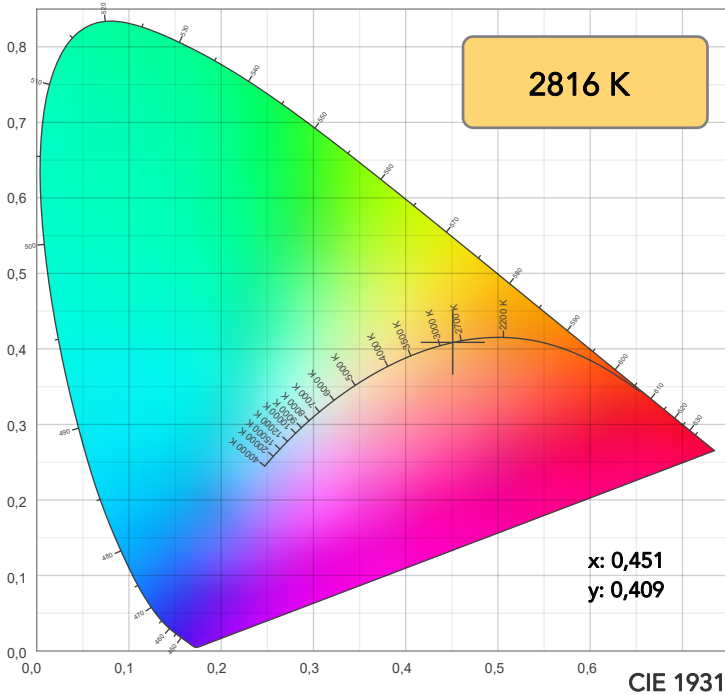
Beam angle 50%: 56,2°

Field angle 10%: 77°

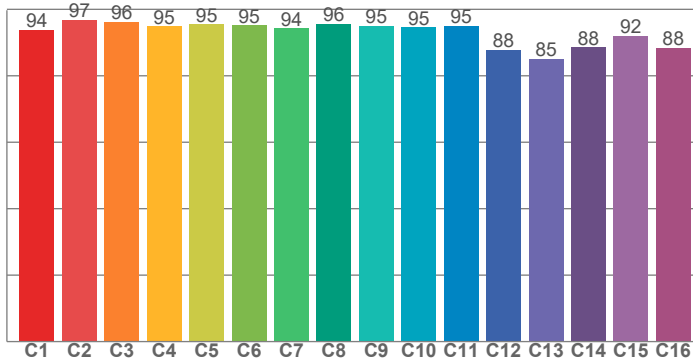
Cut off angle 2.5%: 86°

Spectra

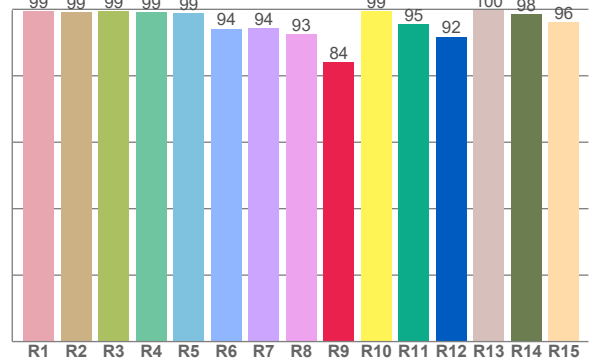




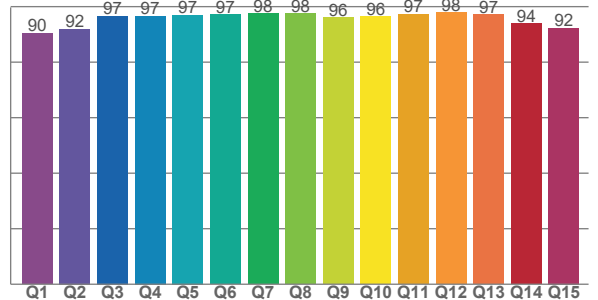
TM30: 93,5



CRI: 97,1 (R1-R8)



CQS: 94,8



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,4	99,2	99,3	99,1	98,9	94,2	94,4	92,5	84,1	99,4	95,4	91,7	99,7	98,5	96,1

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,8	96,8	96,2	94,8	95,5	95,2	94,2	95,6	95,0	94,5	95,1	87,9	85,1	88,5	92,0	88,4

CQS Q values

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

COLOR PARAMETERS

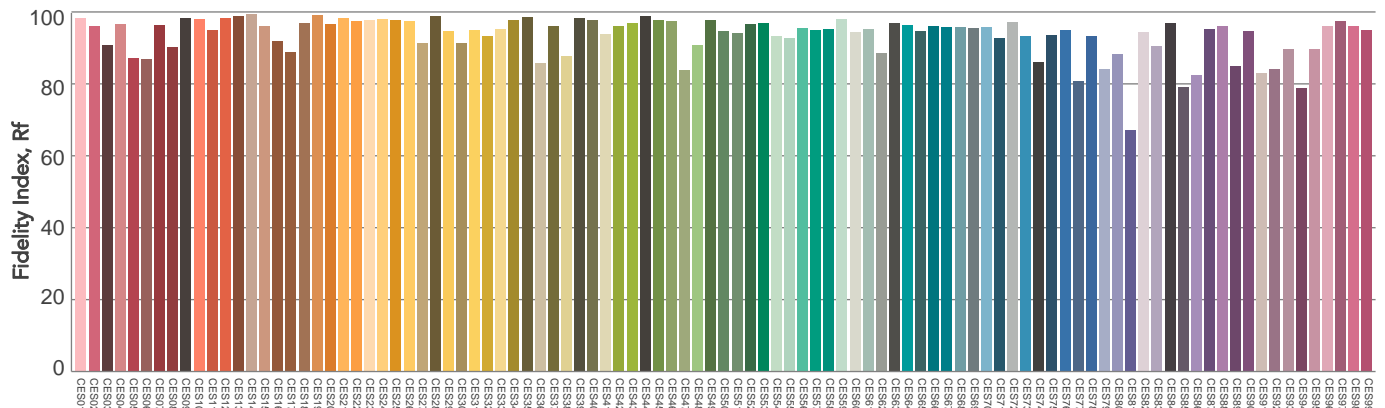
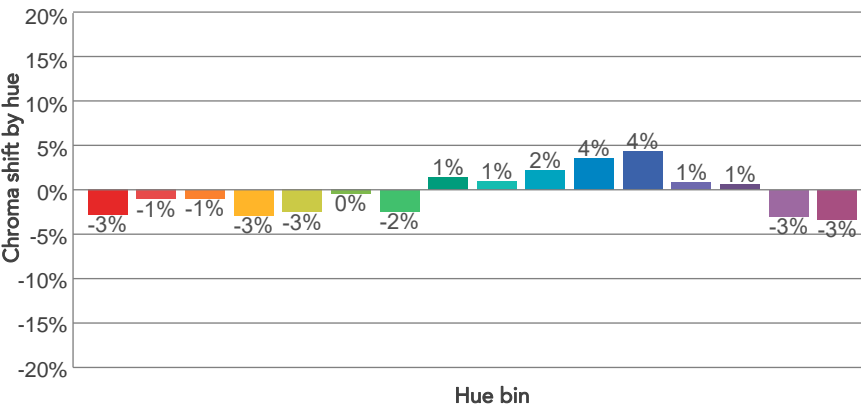
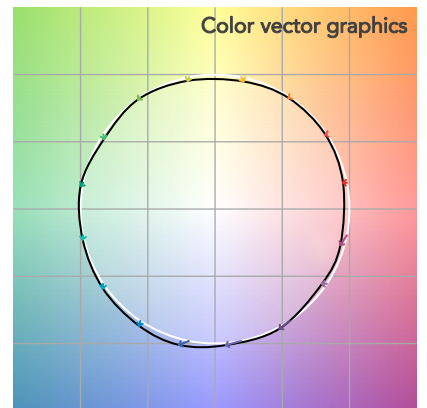
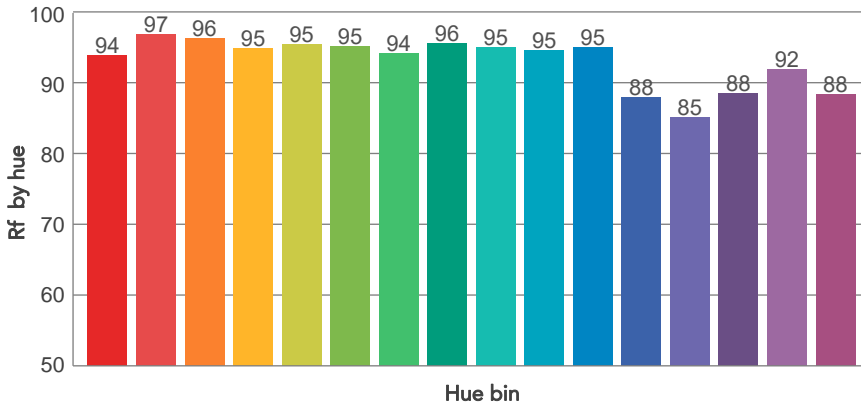
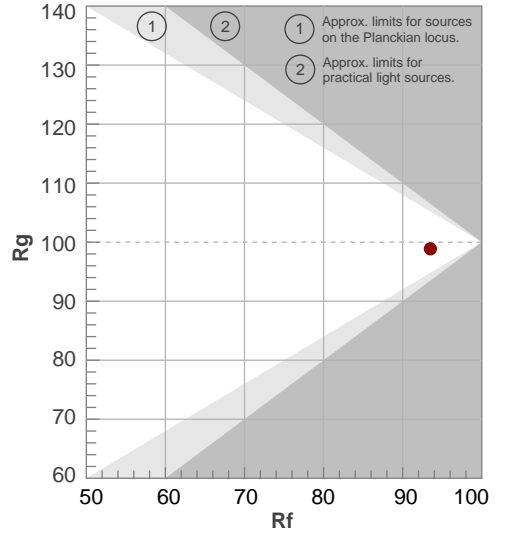
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2816 K	97,1	84,1	93,5	98,9	94,8	86	0,451	0,409	0,0002

TM30 DETAILS

Rf 93,5
Fidelity index Rf

Rg 98,9
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-3%	1%
2	97	-1%	0%
3	96	-1%	0%
4	95	-3%	-2%
5	95	-3%	1%
6	95	0%	2%
7	94	-2%	3%
8	96	1%	3%
9	95	1%	3%
10	95	2%	3%
11	95	4%	1%
12	88	4%	-6%
13	85	1%	-12%
14	88	1%	-10%
15	92	-3%	-2%
16	88	-3%	-8%

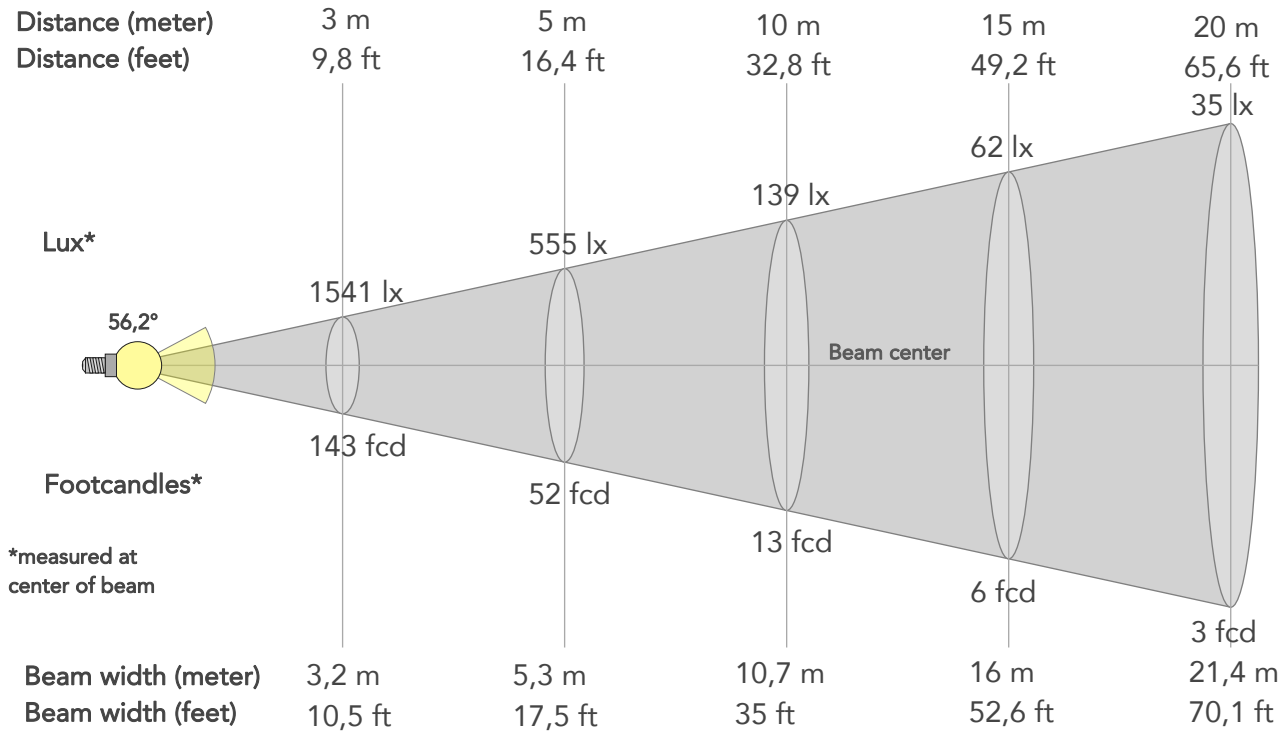


Color Evaluation Sample

BEAM DETAILS



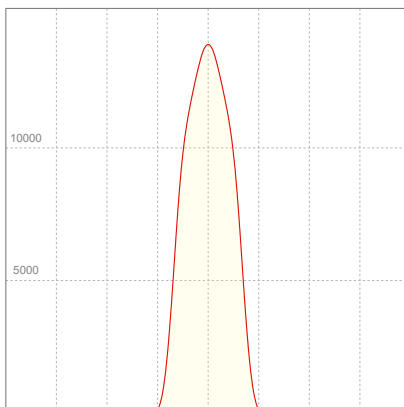
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,2°	77°	86°	100,0%	99,7%



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	13871lx	3468lx	1541lx	867lx	555lx	247lx	139lx	62lx	35lx	22lx	15lx	9lx	6lx
Footcand.	1289fcd	322fcd	143fcd	81fcd	52fcd	23fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	1fcd
Beam wid.	1,1m	2,1m	3,2m	4,3m	5,3m	8m	10,7m	16m	21,4m	26,7m	32m	42,7m	53,4m
Beam wid.	3,5ft	7,1ft	10,5ft	14ft	17,5ft	26,3ft	35ft	52,6ft	70,1ft	87,6ft	105,1ft	140,1ft	175,2ft

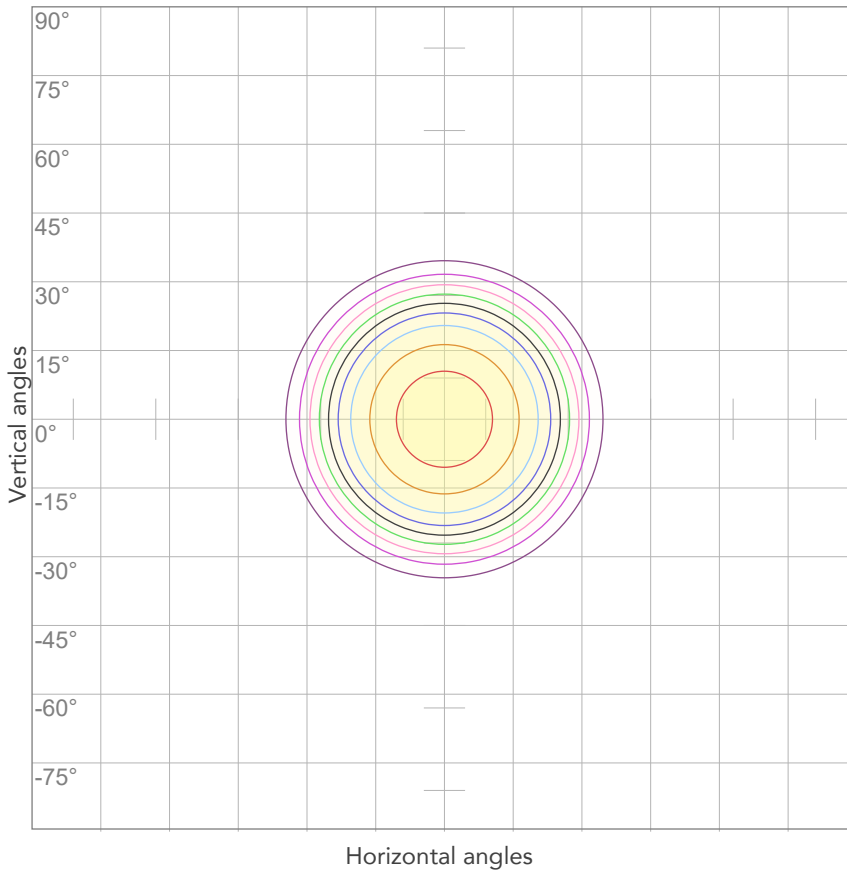
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	1,82A	411,3W	25lm/W

ISO CANDELA DIAGRAM



10%	1387 cd
20%	2774 cd
30%	4161 cd
40%	5548 cd
50%	6935 cd
60%	8323 cd
70%	9710 cd
80%	11097 cd

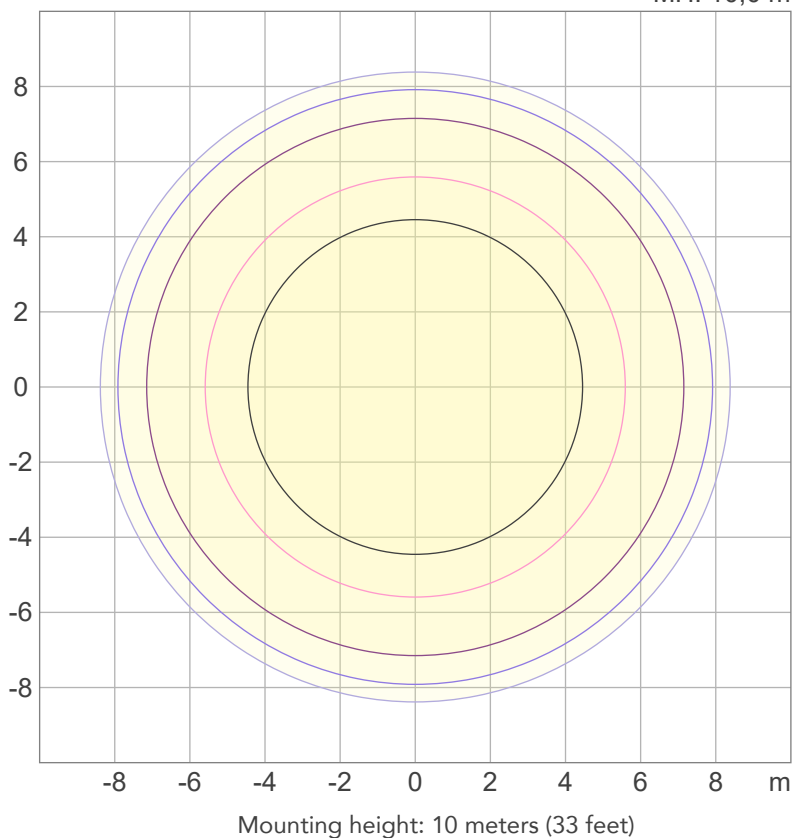
Conditions:

Number of c-planes: 2

Candela at center: 13871 cd

ISO LUX DIAGRAM

MH: 10,0 m



3%	4,16 lx
5%	6,94 lx
10%	13,9 lx
30%	41,6 lx
50%	69,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 139 lx

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



Total lumen output:

8290 lm

Peak candela output:

44920 cd

Light quality:

CRI: 97,1

Color temperature:

2812 K

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

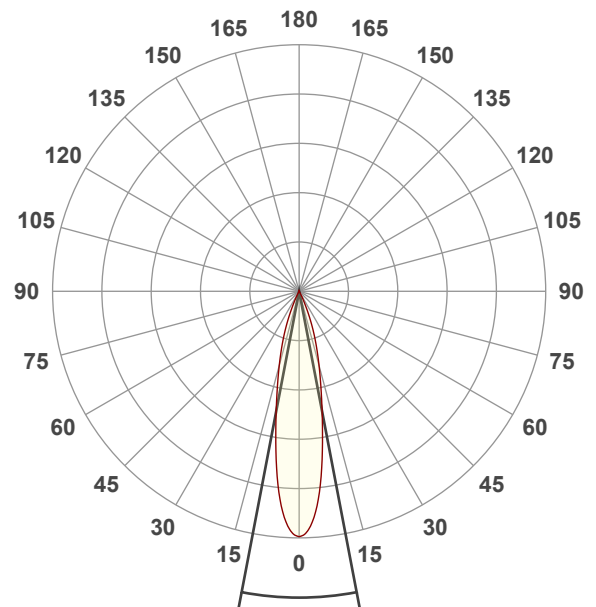
2800K - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 13:33:21

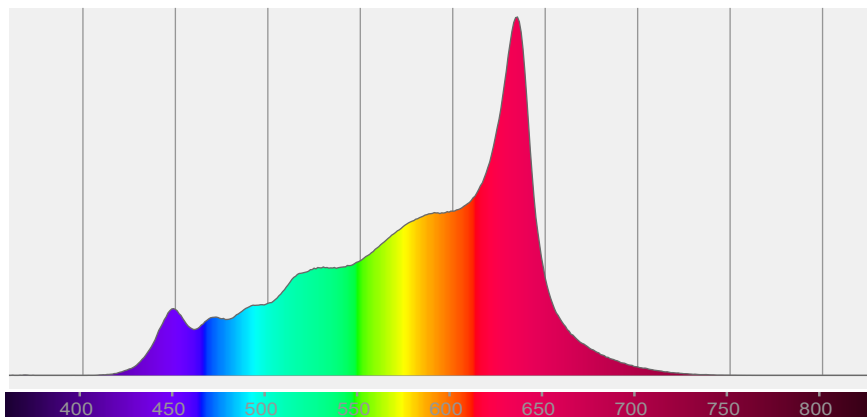


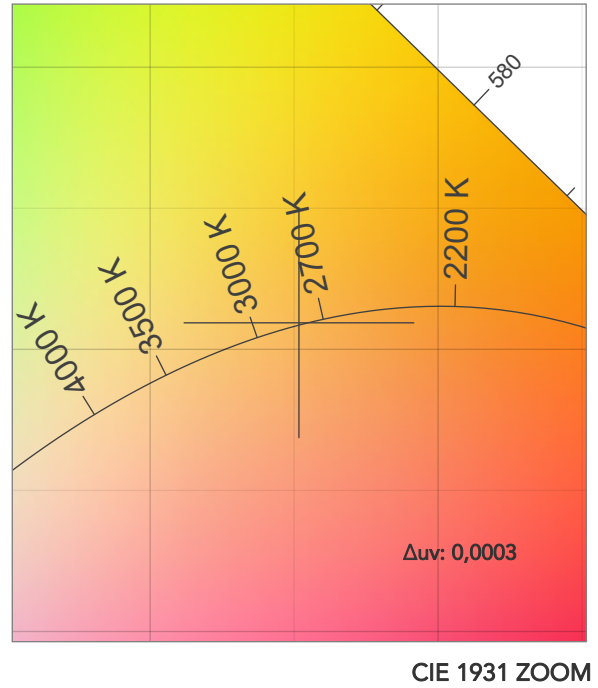
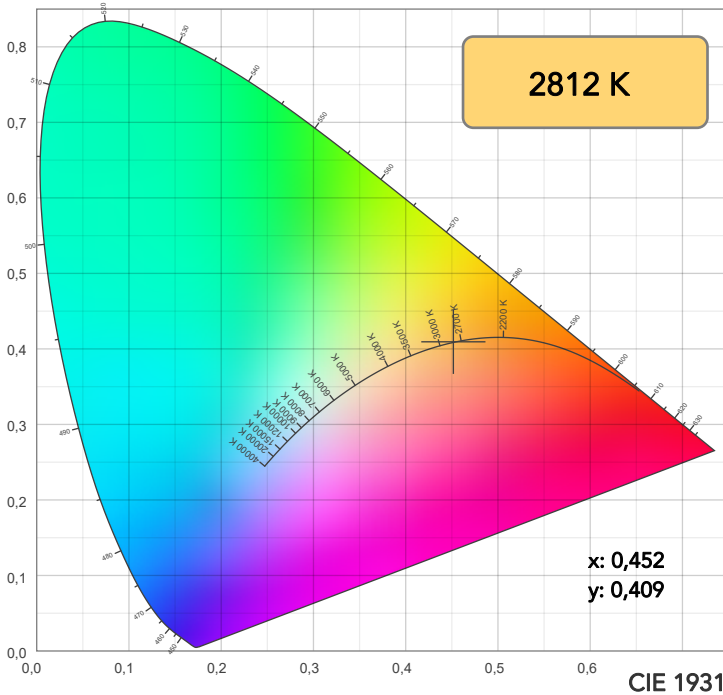
Beam angle 50%: 21,6°

Field angle 10%: 44,7°

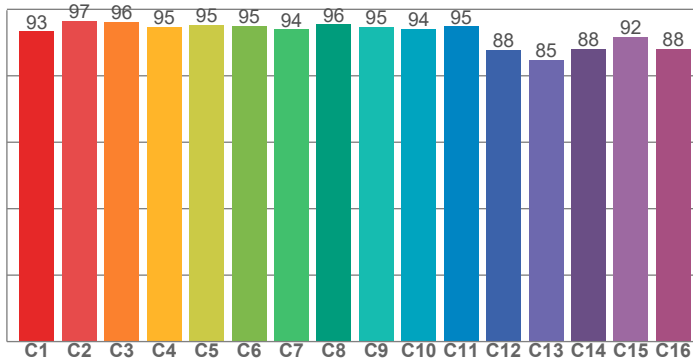
Cut off angle 2.5%: 53,4°

Spectra

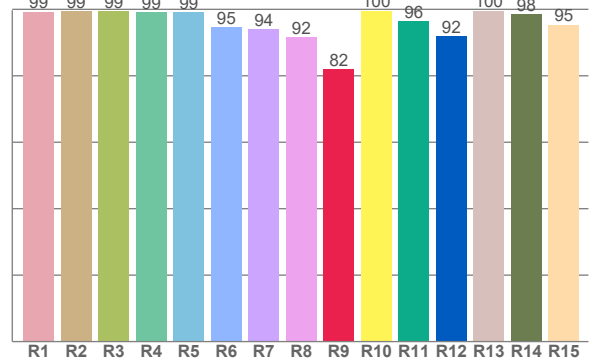




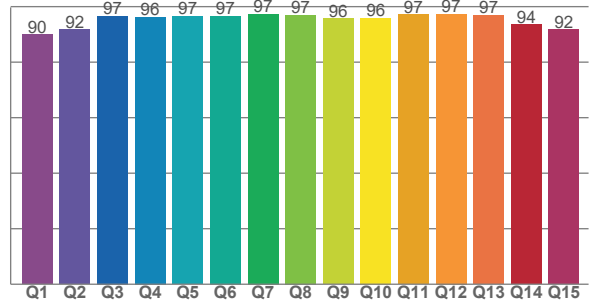
TM30: 93,3



CRI: 97,1 (R1-R8)



CQS: 94,5



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,3	99,5	99,4	99,2	99,1	94,6	94,1	91,6	82,0	99,6	96,3	91,8	99,6	98,5	95,4

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
93,4	96,5	96,3	94,7	95,4	95,0	93,9	95,5	94,7	94,2	94,9	87,8	84,8	88,2	91,7	88,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
89,9	91,8	96,6	96,2	96,5	96,6	97,3	97,0	95,7	95,9	97,1	97,4	96,9	93,5	91,8

COLOR PARAMETERS

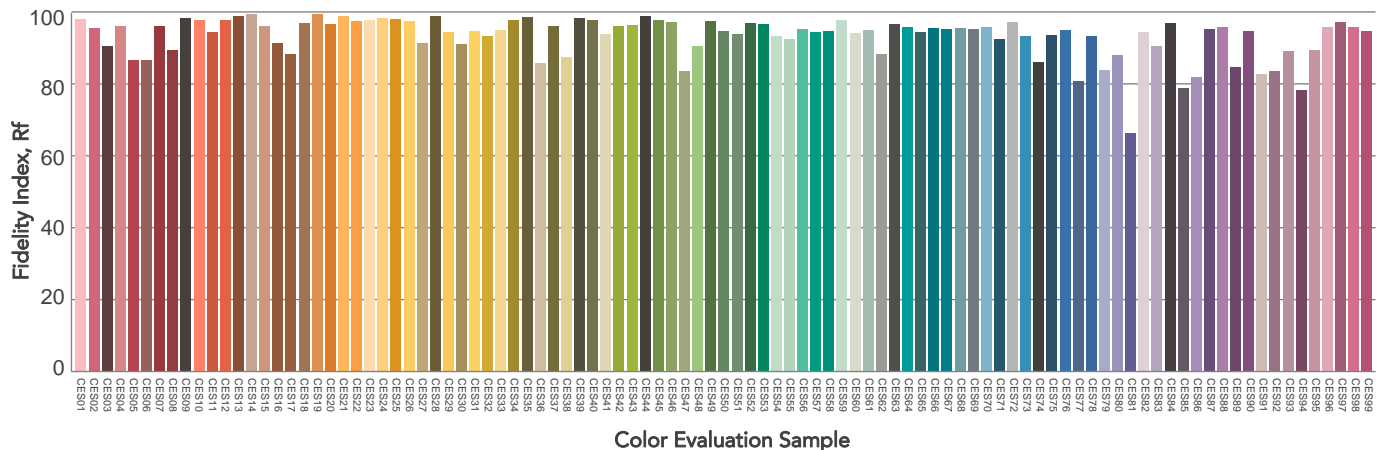
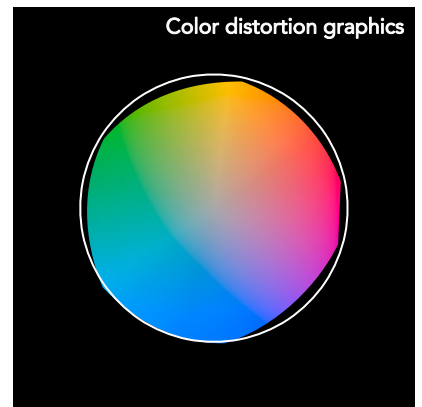
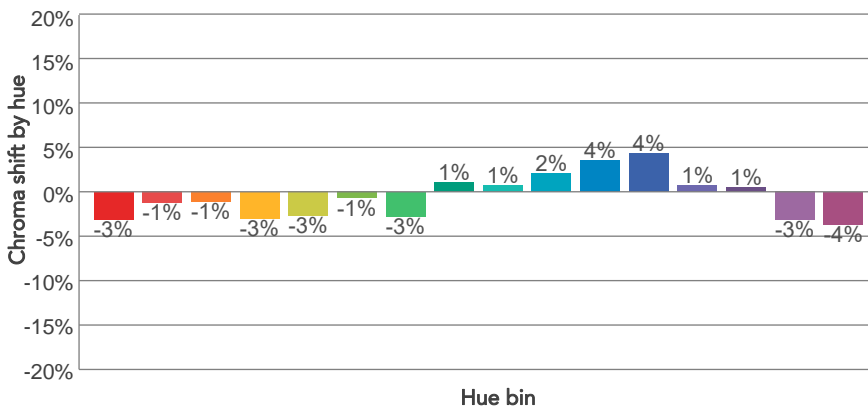
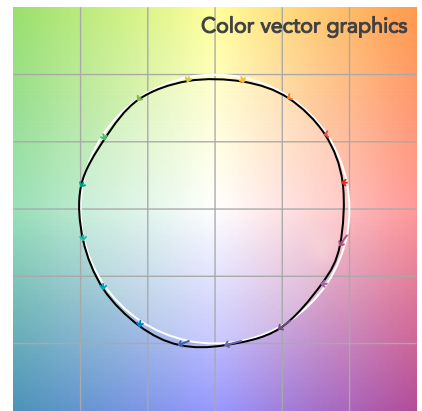
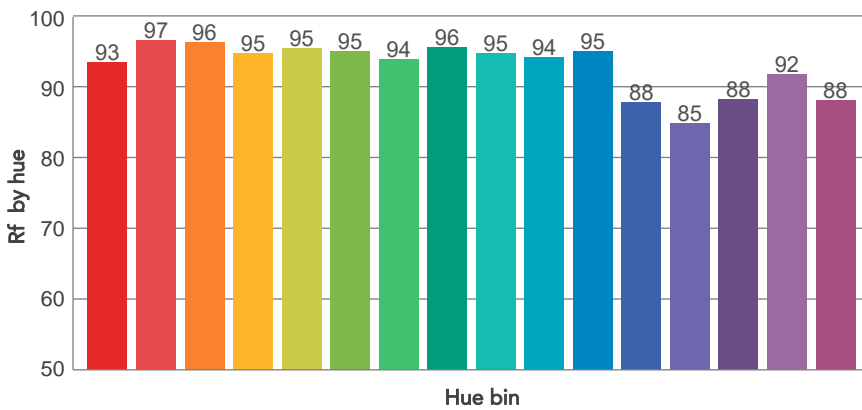
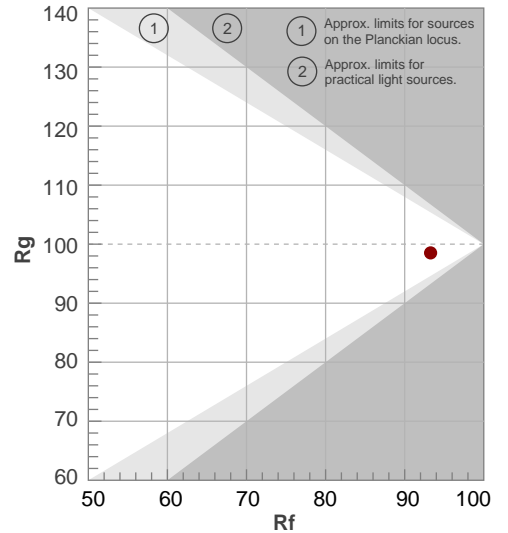
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2812 K	97,1	82,0	93,3	98,5	94,5	85	0,452	0,409	0,0003

TM30 DETAILS

Rf 93,3
Fidelity index Rf

Rg 98,5
Gammut index

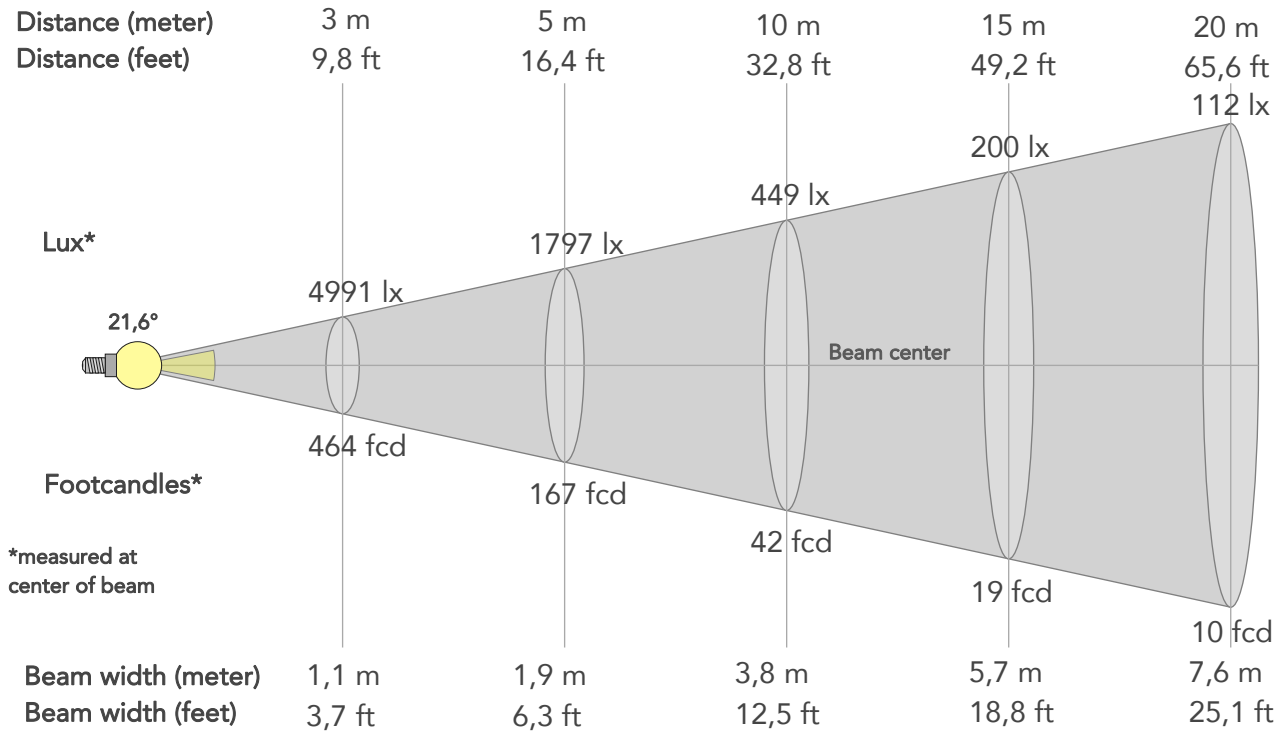
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	1%
2	97	-1%	1%
3	96	-1%	1%
4	95	-3%	-2%
5	95	-3%	1%
6	95	-1%	2%
7	94	-3%	3%
8	96	1%	3%
9	95	1%	3%
10	94	2%	3%
11	95	4%	2%
12	88	4%	-7%
13	85	1%	-12%
14	88	1%	-10%
15	92	-3%	-2%
16	88	-4%	-8%



BEAM DETAILS



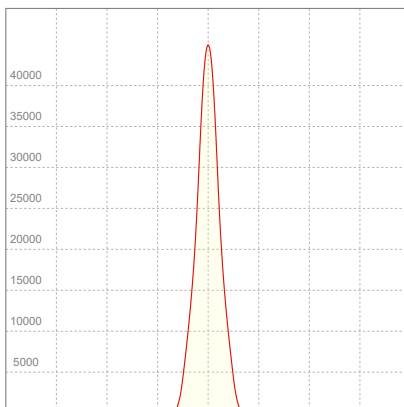
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,6°	44,7°	53,4°	100,0%	100,0%



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	44920lx	11230lx	4991lx	2807lx	1797lx	799lx	449lx	200lx	112lx	72lx	50lx	28lx	18lx
Footcand.	4173fcd	1043fcd	464fcd	261fcd	167fcd	74fcd	42fcd	19fcd	10fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	0,4m	0,8m	1,1m	1,5m	1,9m	2,9m	3,8m	5,7m	7,6m	9,6m	11,5m	15,3m	19,1m
Beam wid.	1,3ft	2,5ft	3,7ft	5ft	6,3ft	9,4ft	12,5ft	18,8ft	25,1ft	31,3ft	37,6ft	50,2ft	62,7ft

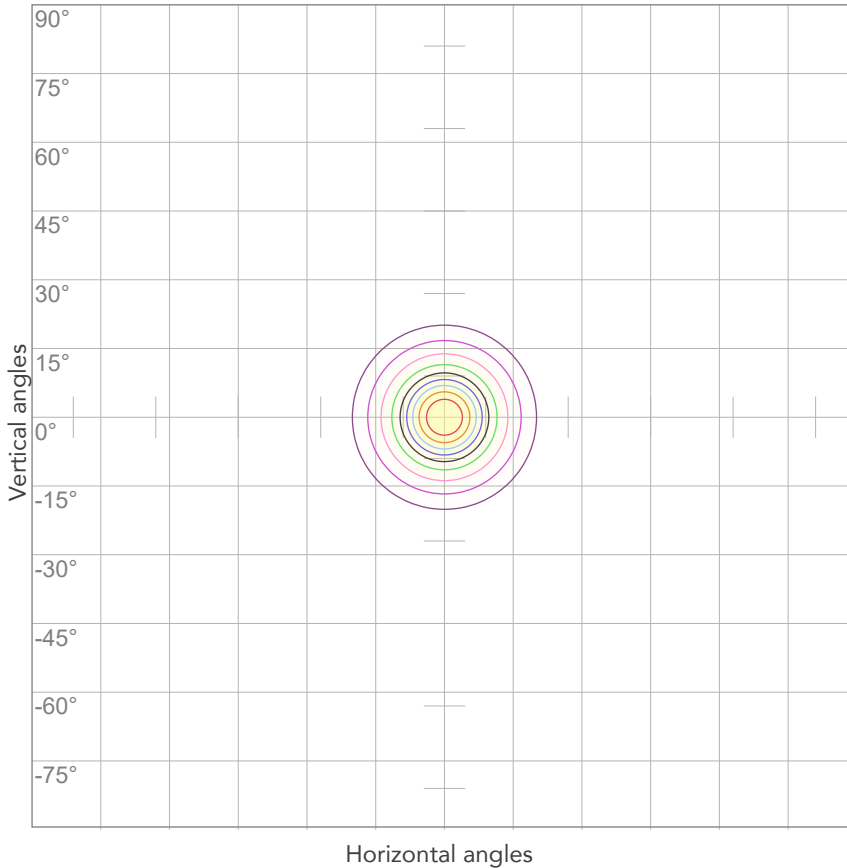
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,83A	411,8W	20lm/W

ISO CANDELA DIAGRAM



10%	4492 cd
20%	8984 cd
30%	13476 cd
40%	17968 cd
50%	22460 cd
60%	26952 cd
70%	31444 cd
80%	35936 cd

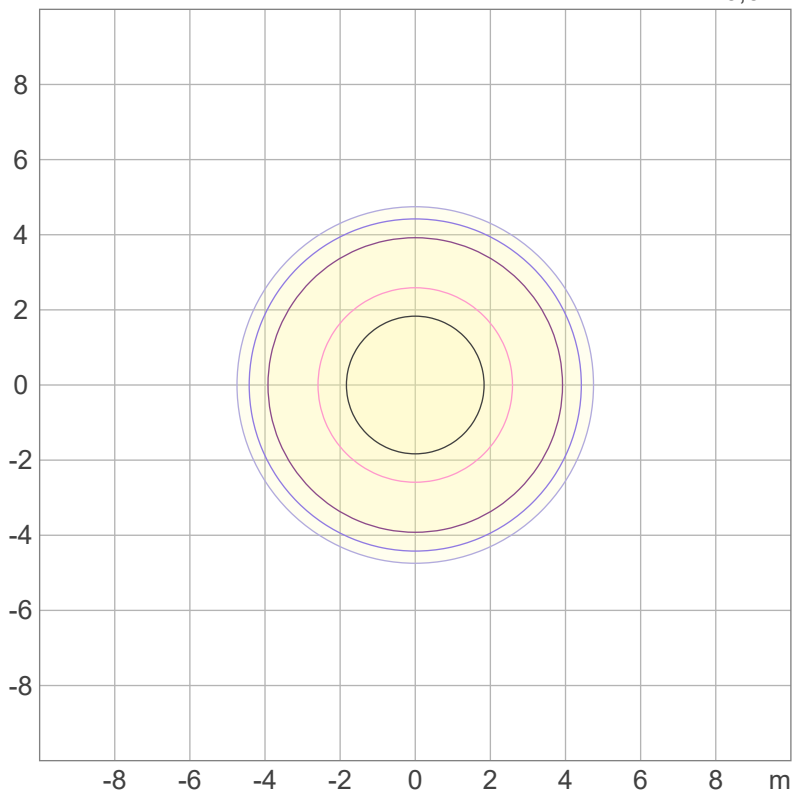
Conditions:

Number of c-planes: 2

Candela at center: 44920 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

3%	13,5 lx
5%	22,5 lx
10%	44,9 lx
30%	135 lx
50%	225 lx

Conditions:

Number of c-planes: 2

Lux at center: 449 lx

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



Total lumen output:

4454 lm

Peak candela output:

117294 cd

Light quality:

CRI: 96,8

Color temperature:

2818 K

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

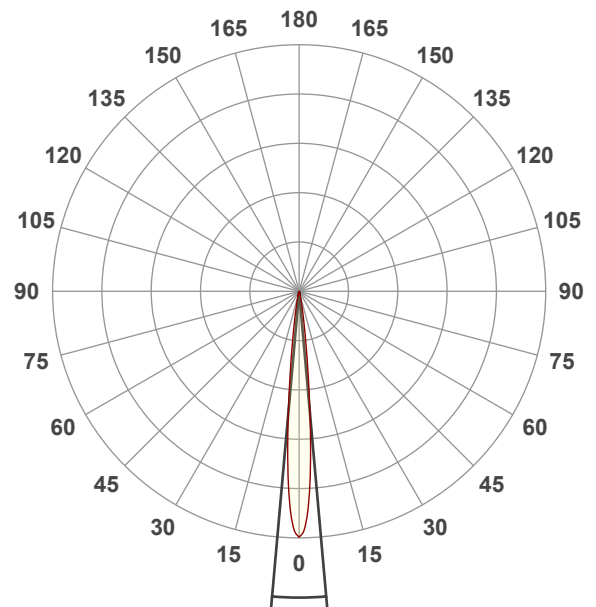
2800K - HQ

Operator:

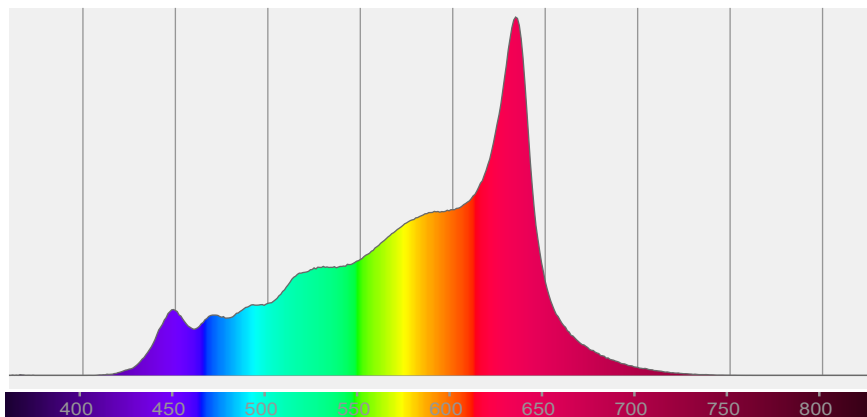
Salvatore Giglio

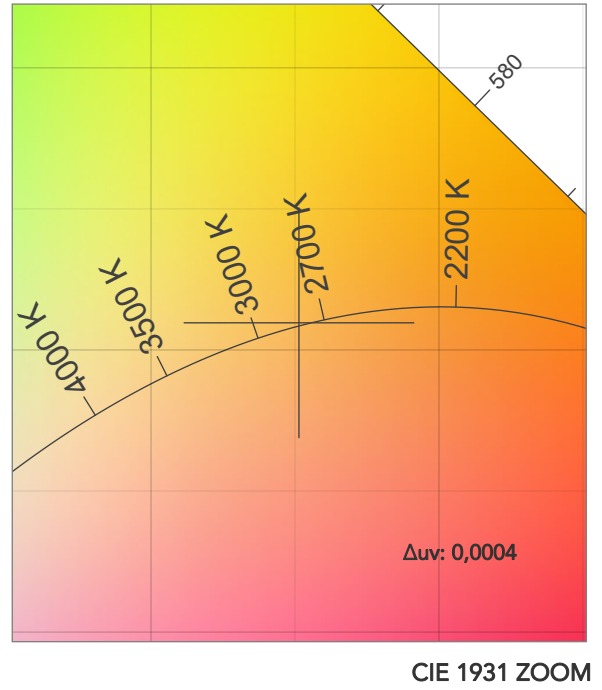
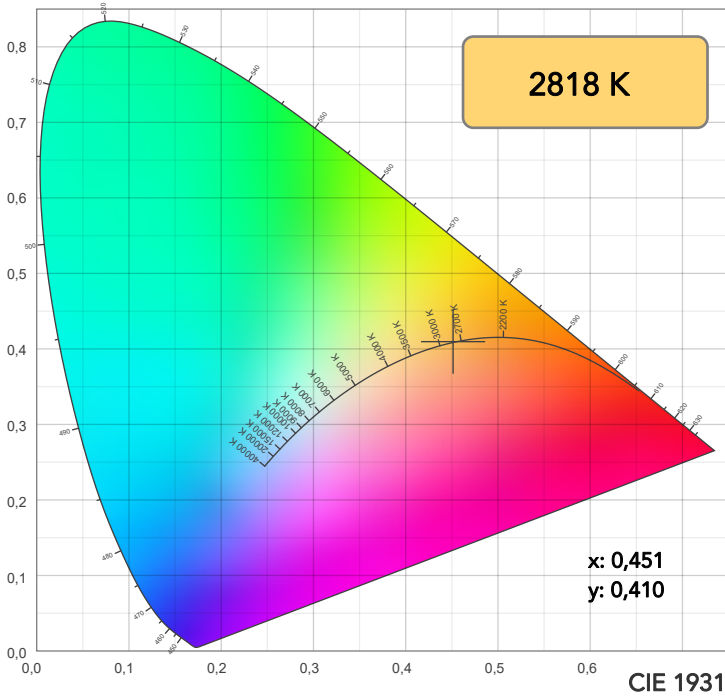
Date and time:

21/09/2023 12:38:29

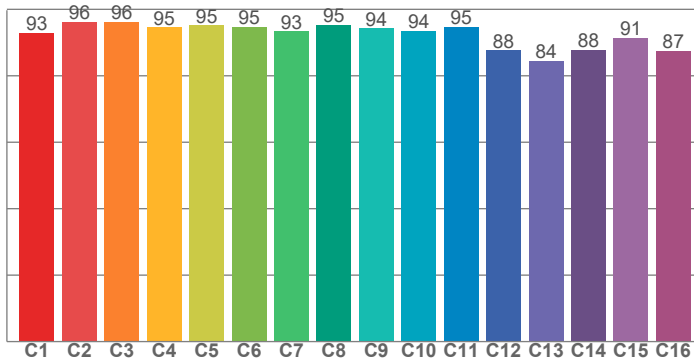


Spectra

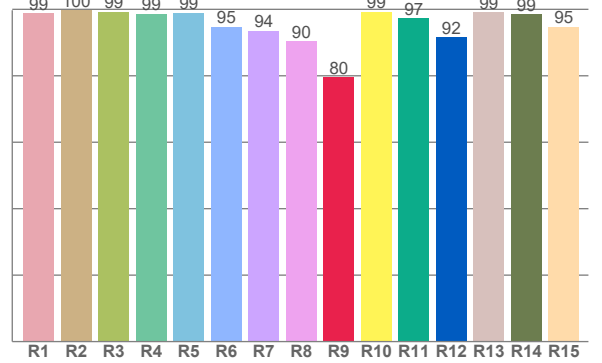




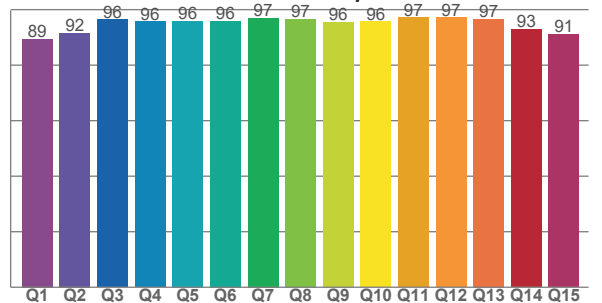
TM30: 92,9



CRI: 96,8 (R1-R8)



CQS: 94,2



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,9	99,6	99,3	98,7	98,9	94,8	93,6	90,4	79,5	99,2	97,2	91,6	99,2	98,6	94,7

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
92,9	96,2	96,2	94,5	95,2	94,7	93,4	95,3	94,2	93,6	94,7	87,7	84,4	87,7	91,4	87,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
89,3	91,6	96,5	95,8	95,9	95,9	97,0	96,6	95,5	95,7	97,1	97,1	96,6	92,9	91,1

COLOR PARAMETERS

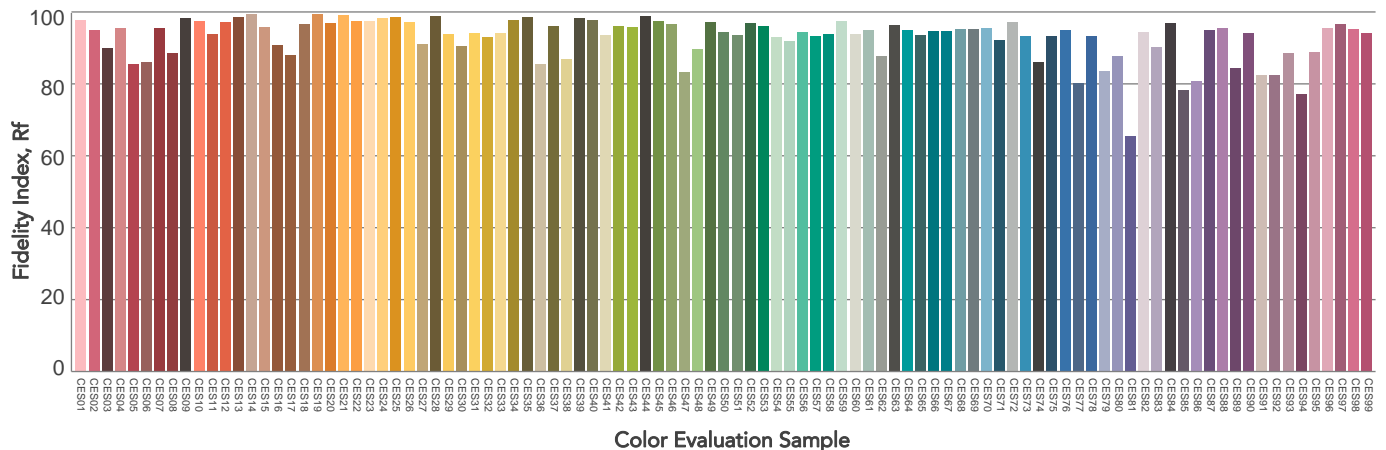
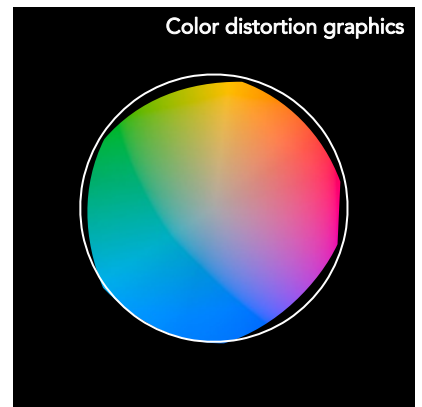
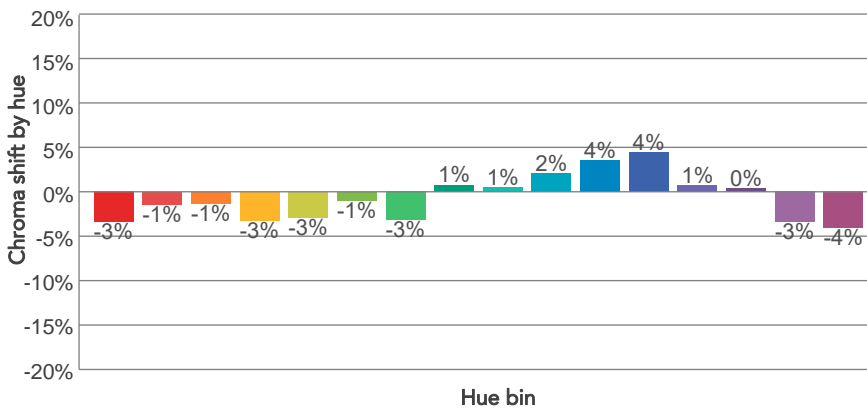
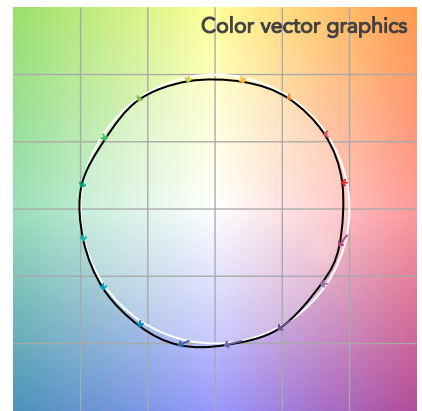
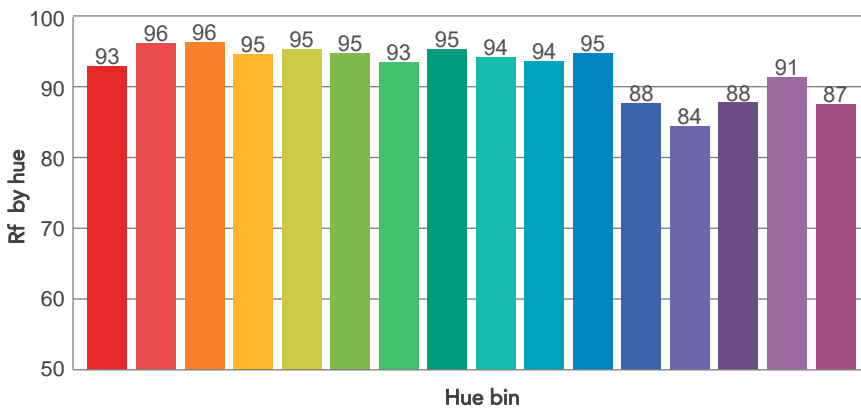
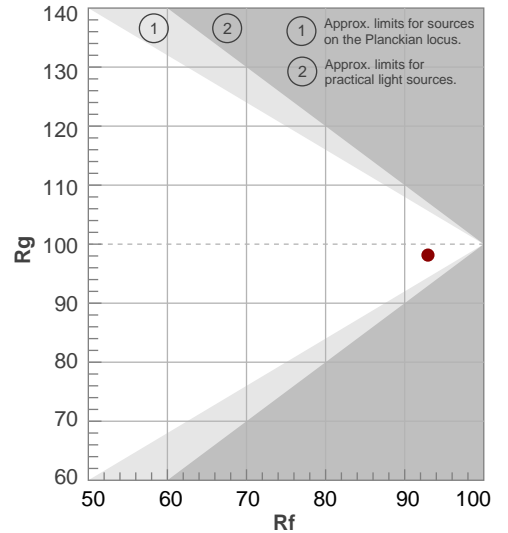
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2818 K	96,8	79,5	92,9	98,1	94,2	85	0,451	0,410	0,0004

TM30 DETAILS

Rf 92,9
Fidelity index Rf

Rg 98,1
Gammut index

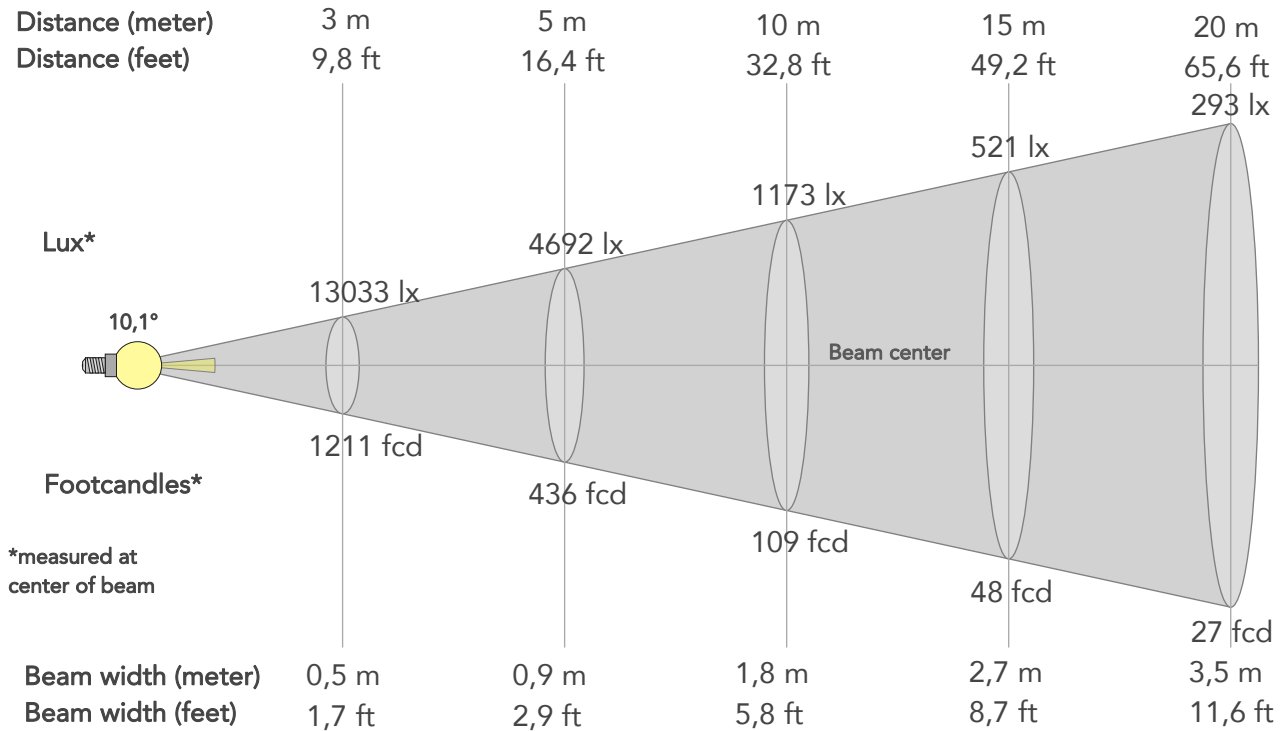
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	1%
2	96	-1%	1%
3	96	-1%	1%
4	95	-3%	-2%
5	95	-3%	1%
6	95	-1%	2%
7	93	-3%	3%
8	95	1%	3%
9	94	1%	4%
10	94	2%	3%
11	95	4%	2%
12	88	4%	-7%
13	84	1%	-12%
14	88	0%	-10%
15	91	-3%	-2%
16	87	-4%	-8%



BEAM DETAILS



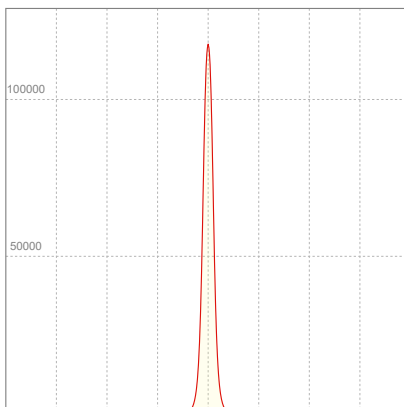
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,1°	18,8°	25,9°	100,0%	100,0%



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	117294lx	29323lx	13033lx	7331lx	4692lx	2085lx	1173lx	521lx	293lx	188lx	130lx	73lx	47lx
Footcand.	10897fcd	2724fcd	1211fcd	681fcd	436fcd	194fcd	109fcd	48fcd	27fcd	17fcd	12fcd	7fcd	4fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,7m	3,5m	4,4m	5,3m	7,1m	8,9m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,4ft	5,8ft	8,7ft	11,6ft	14,5ft	17,5ft	23,3ft	29,1ft

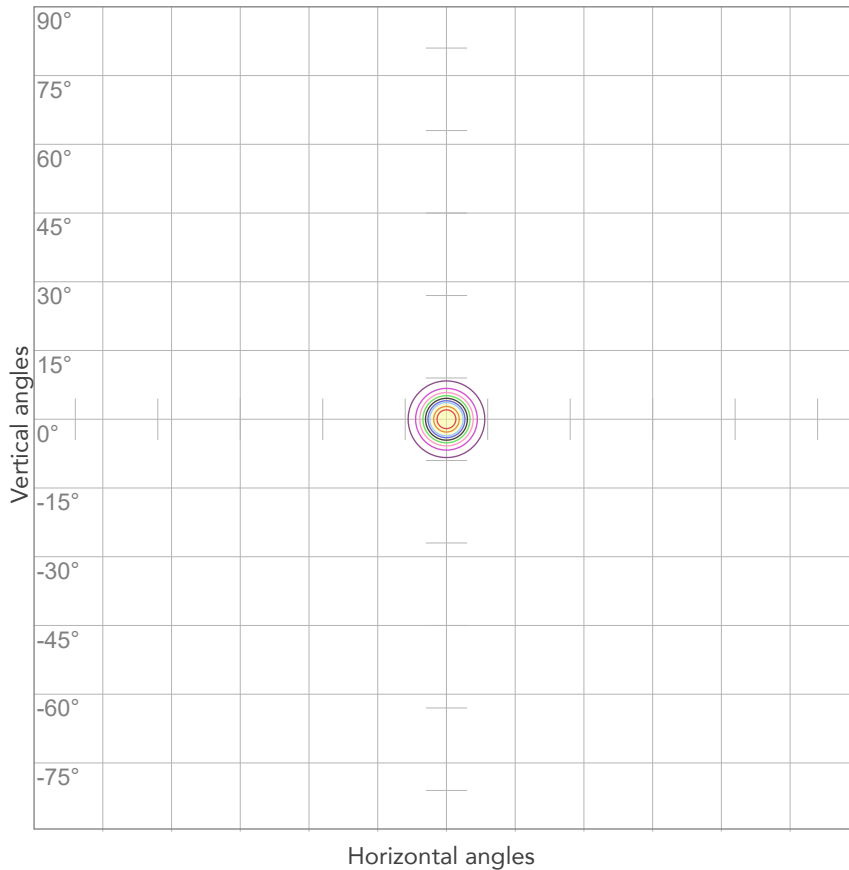
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	1,82A	405,9W	11lm/W

ISO CANDELA DIAGRAM



10%	11729 cd
20%	23459 cd
30%	35188 cd
40%	46918 cd
50%	58647 cd
60%	70376 cd
70%	82106 cd
80%	93835 cd

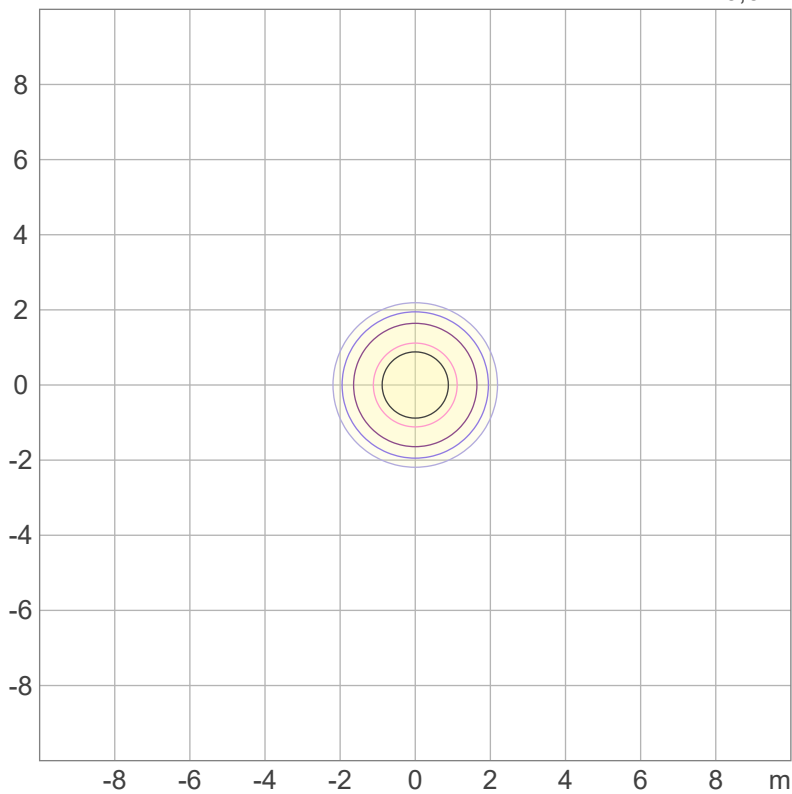
Conditions:

Number of c-planes: 2

Candela at center: 117294 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

3%	35,2 lx
5%	58,6 lx
10%	117 lx
30%	352 lx
50%	586 lx

Conditions:

Number of c-planes: 2

Lux at center: 1173 lx

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



Total lumen output:

12254 lm

Peak candela output:

16255 cd

Light quality:

CRI: 97,6

Color temperature:

3196 K

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

axd Zoom

Target:

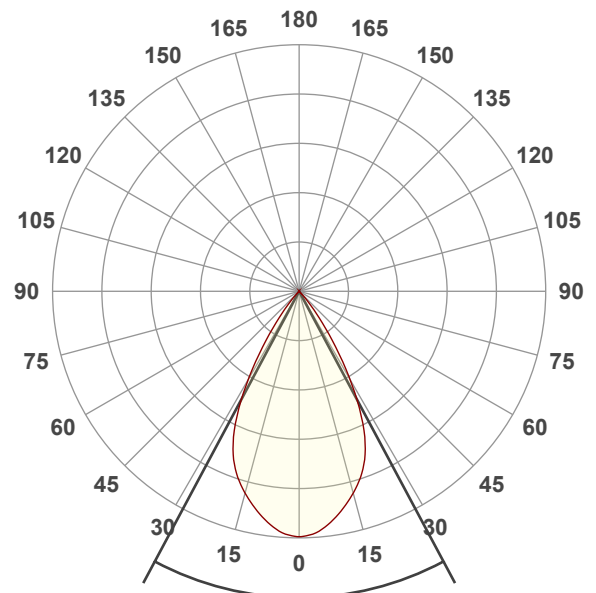
3200K - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 14:26:33

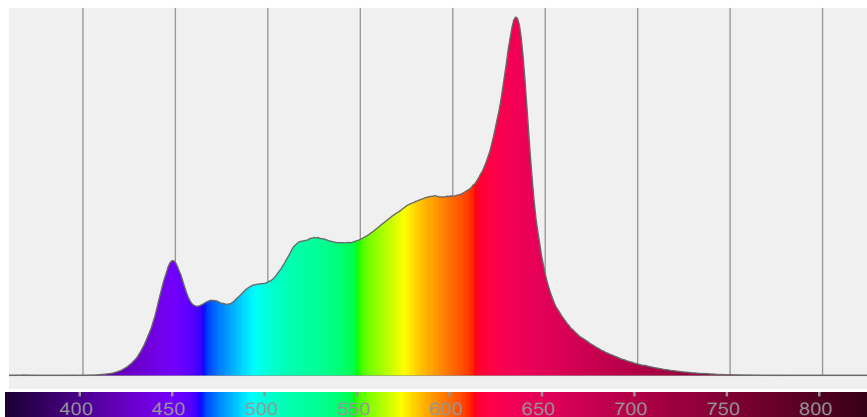


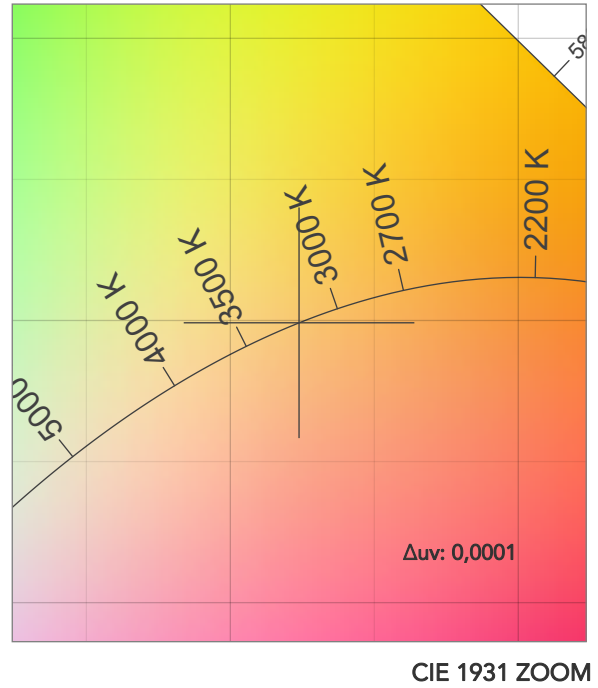
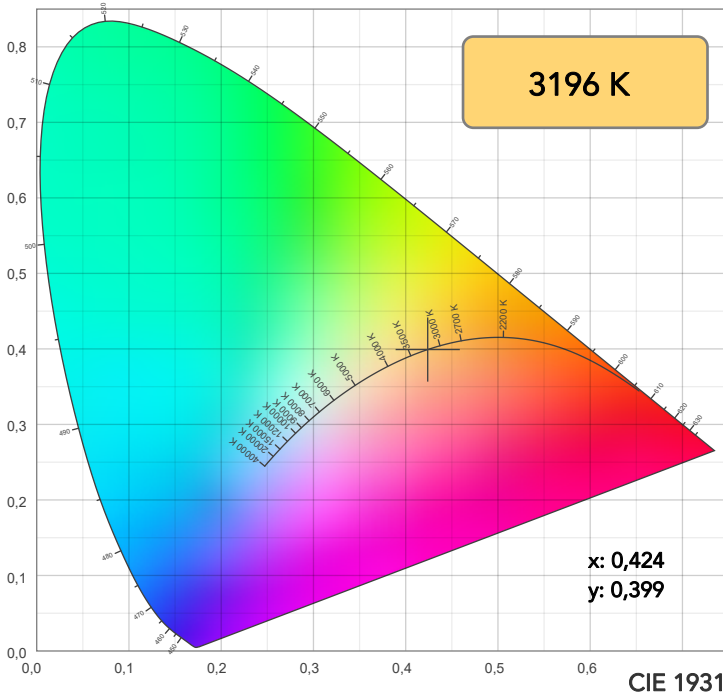
Beam angle 50%: 56,2°

Field angle 10%: 77,1°

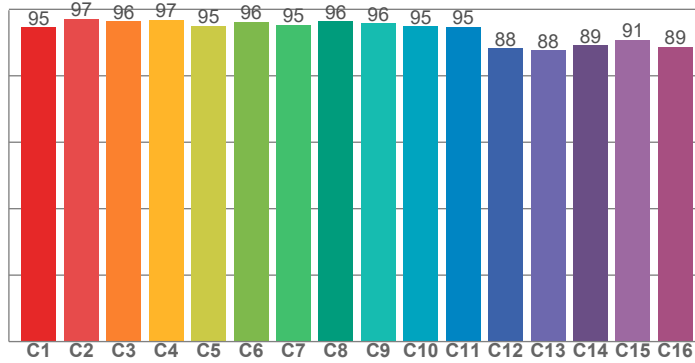
Cut off angle 2.5%: 85,7°

Spectra

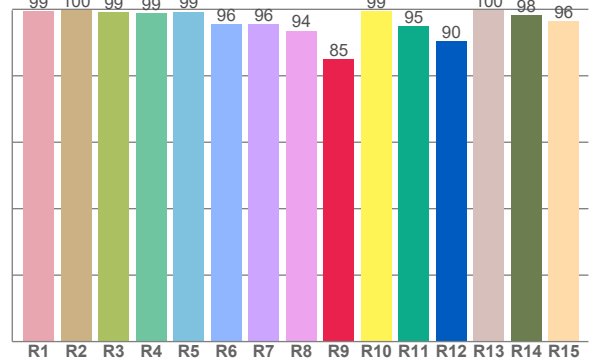




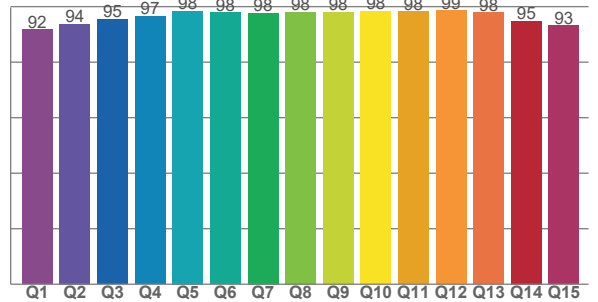
TM30: 94,2



CRI: 97,6 (R1-R8)



CQS: 95,7



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,3	99,7	99,2	98,9	99,2	95,5	95,5	93,5	84,9	99,3	94,8	90,4	99,7	98,2	96,4

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,6	97,1	96,4	96,9	95,1	96,2	95,4	96,4	95,8	94,9	94,7	88,2	87,6	89,2	90,8	88,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91,7	93,7	95,5	96,5	98,4	97,8	97,7	98,0	98,1	98,3	98,2	98,5	97,9	94,8	93,2

COLOR PARAMETERS

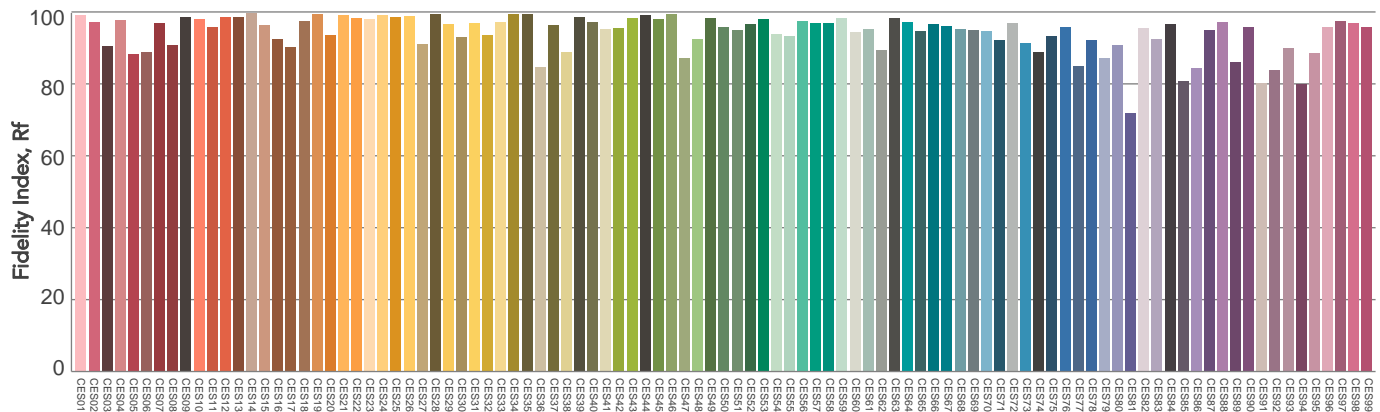
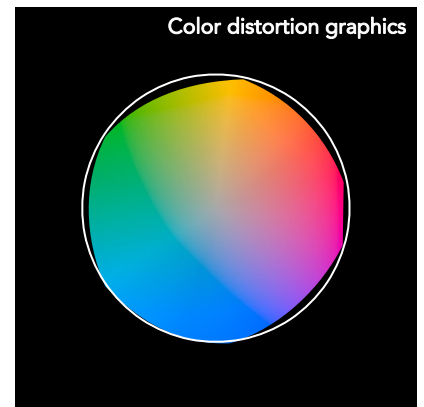
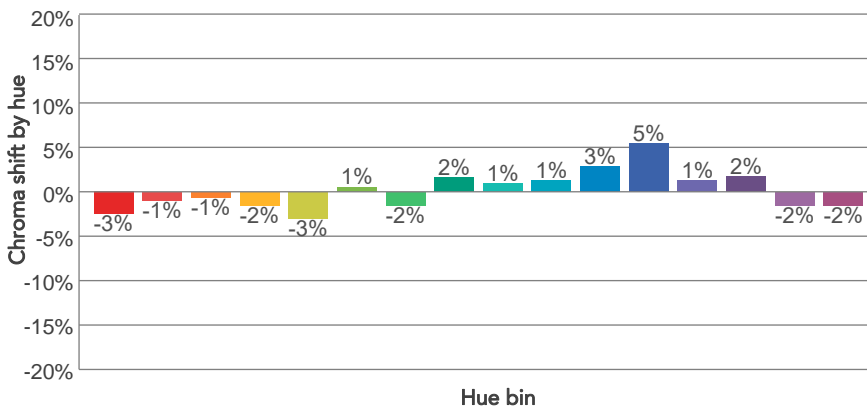
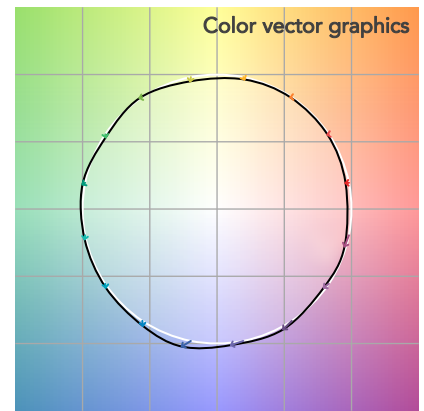
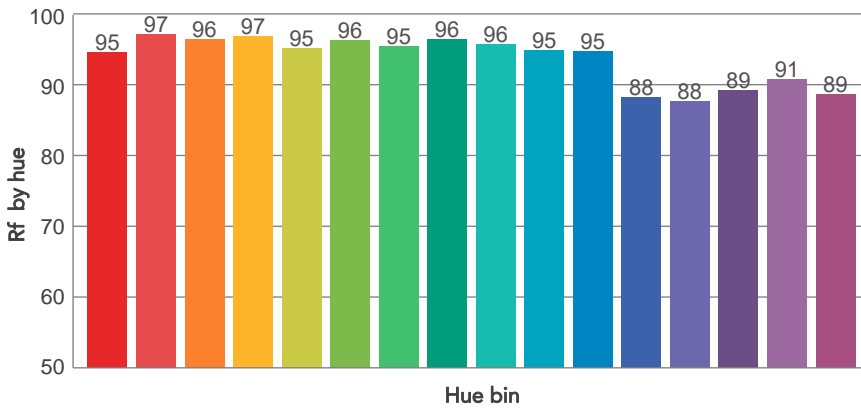
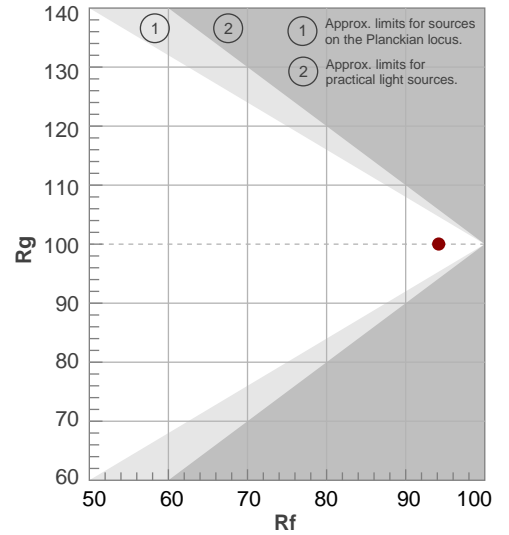
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3196 K	97,6	84,9	94,2	100,0	95,7	88	0,424	0,399	0,0001

TM30 DETAILS

Rf 94,2
Fidelity index Rf

Rg 100,0
Gammut index

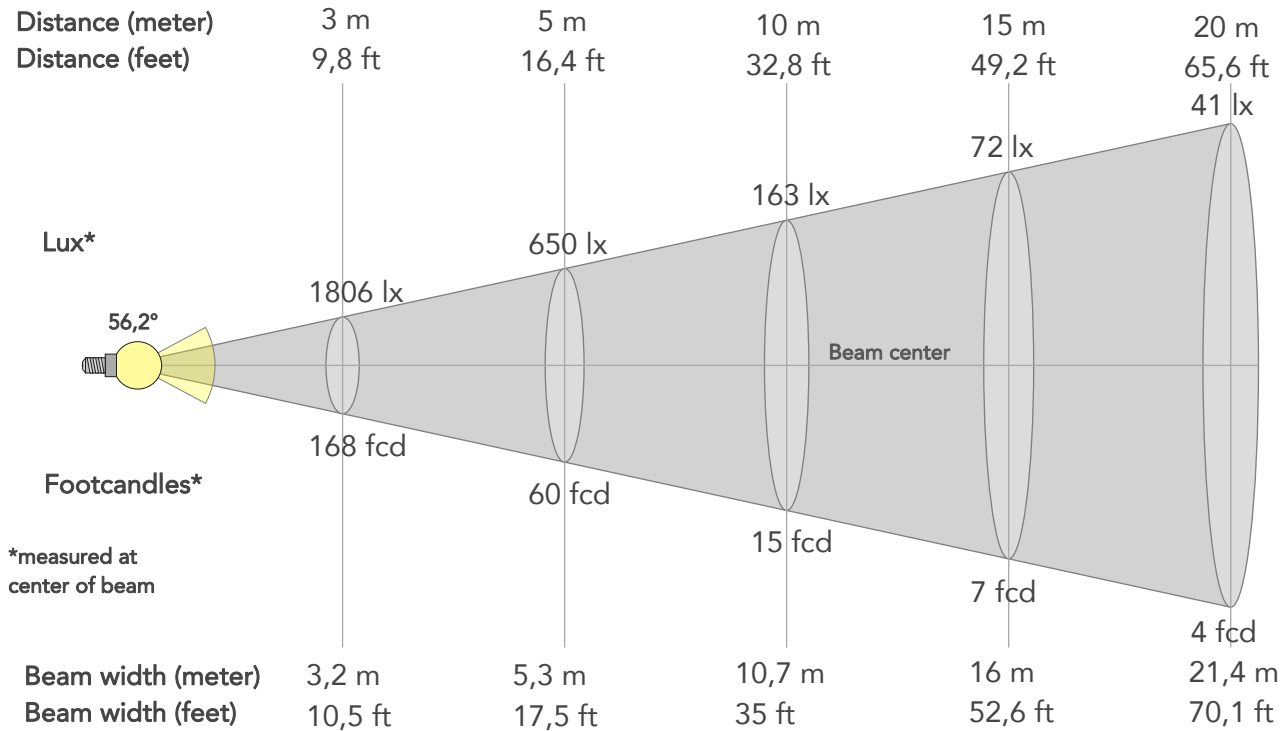
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-3%	0%
2	97	-1%	0%
3	96	-1%	1%
4	97	-2%	-1%
5	95	-3%	1%
6	96	1%	2%
7	95	-2%	2%
8	96	2%	2%
9	96	1%	3%
10	95	1%	3%
11	95	3%	2%
12	88	5%	-6%
13	88	1%	-10%
14	89	2%	-9%
15	91	-2%	-5%
16	89	-2%	-9%



BEAM DETAILS



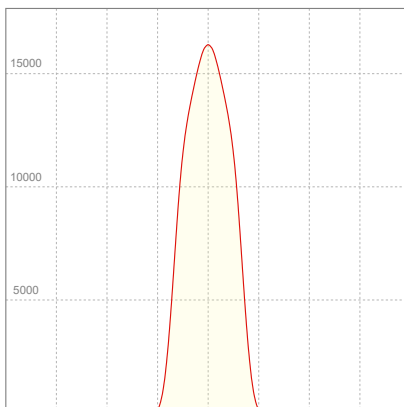
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,2°	77,1°	85,7°	100,0%	99,8%



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	16255lx	4064lx	1806lx	1016lx	650lx	289lx	163lx	72lx	41lx	26lx	18lx	10lx	7lx
Footcand.	1510fcd	378fcd	168fcd	94fcd	60fcd	27fcd	15fcd	7fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	1,1m	2,1m	3,2m	4,3m	5,3m	8m	10,7m	16m	21,4m	26,7m	32,1m	42,7m	53,4m
Beam wid.	3,5ft	7,1ft	10,5ft	14ft	17,5ft	26,3ft	35ft	52,6ft	70,1ft	87,6ft	105,1ft	140,2ft	175,2ft

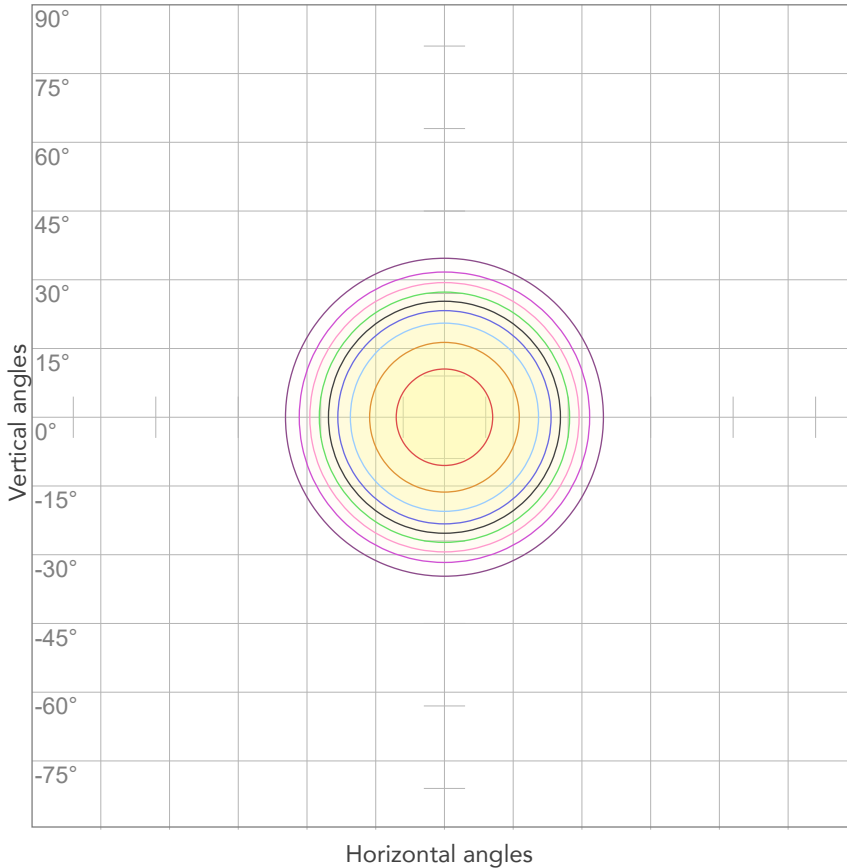
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	2,08A	466,9W	26lm/W

ISO CANDELA DIAGRAM



10%	1626 cd
20%	3251 cd
30%	4877 cd
40%	6502 cd
50%	8128 cd
60%	9753 cd
70%	11379 cd
80%	13004 cd

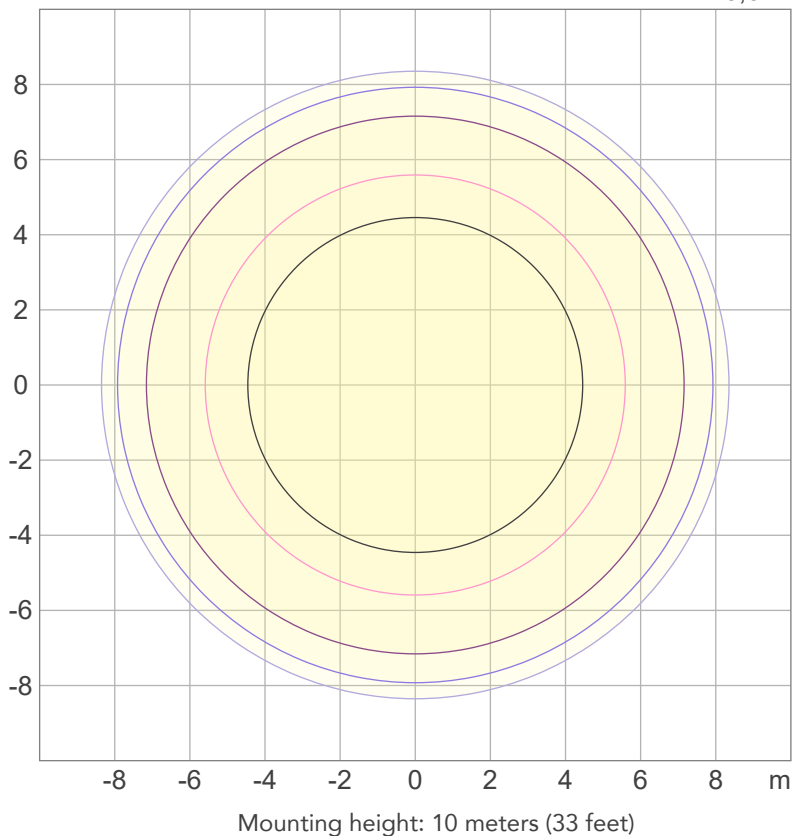
Conditions:

Number of c-planes: 2

Candela at center: 16255 cd

ISO LUX DIAGRAM

MH: 10,0 m



3%	4,88 lx
5%	8,13 lx
10%	16,3 lx
30%	48,8 lx
50%	81,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 163 lx

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



Total lumen output:

9777 lm

Peak candela output:

52734 cd

Light quality:

CRI: 97,7

Color temperature:

3207 K

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

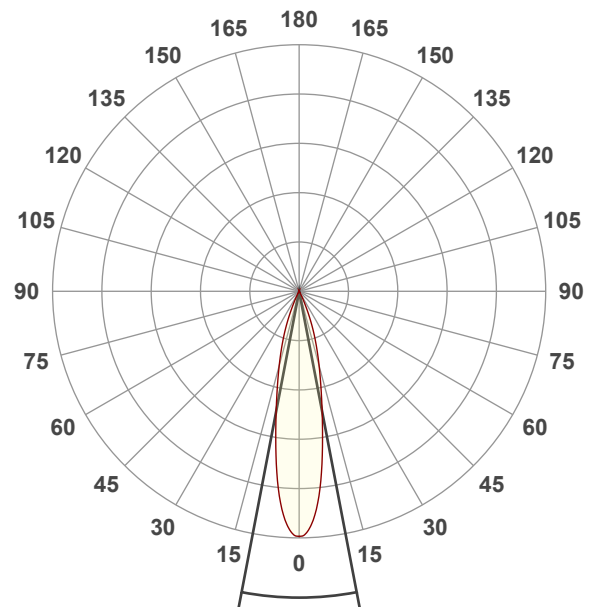
3200K - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 13:26:15

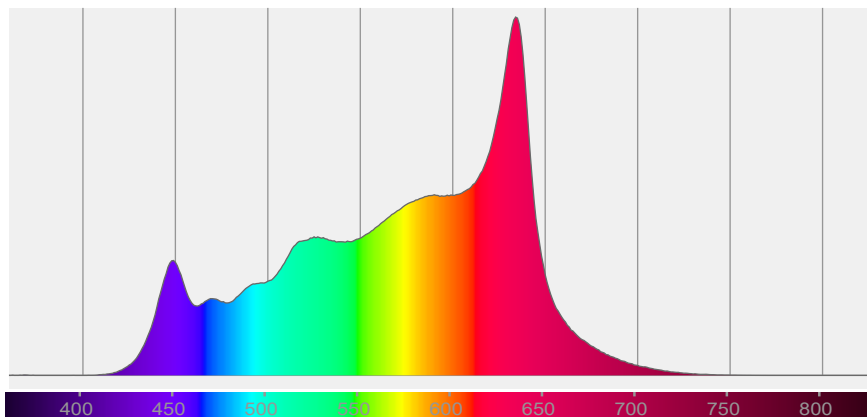


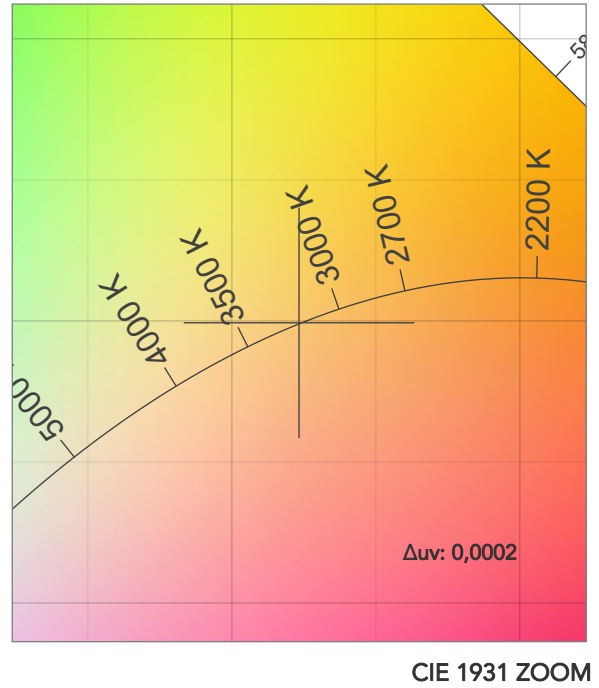
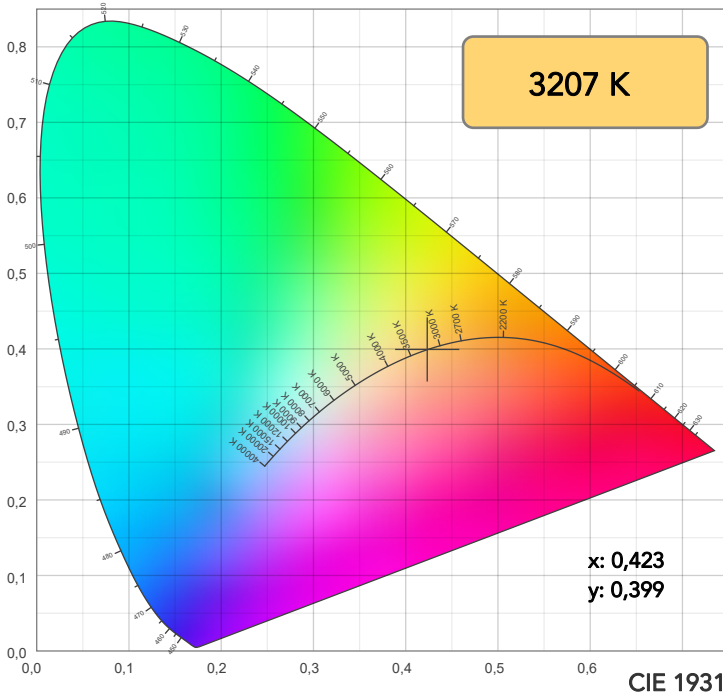
Beam angle 50%: 21,7°

Field angle 10%: 44,8°

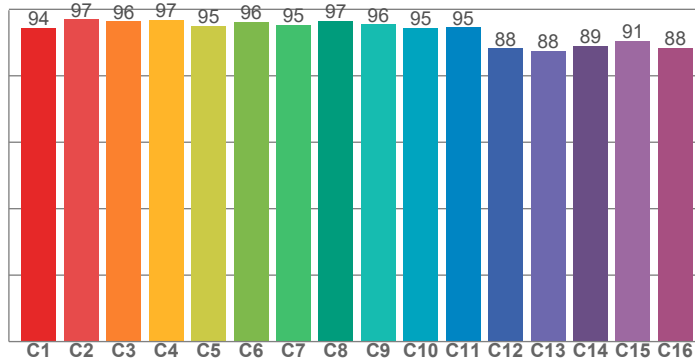
Cut off angle 2.5%: 53,5°

Spectra

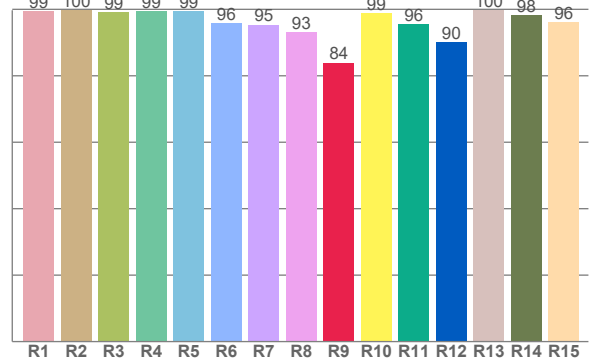




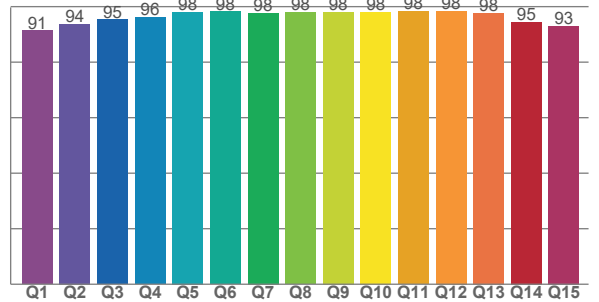
TM30: 94,0



CRI: 97,7 (R1-R8)



CQS: 95,6



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,3	99,8	99,2	99,4	99,4	95,8	95,4	93,1	83,9	98,9	95,5	90,1	99,7	98,3	96,0

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,4	96,9	96,4	96,8	95,0	96,2	95,3	96,5	95,5	94,5	94,5	88,2	87,5	89,0	90,5	88,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91,4	93,7	95,4	96,2	98,0	98,3	97,8	98,0	98,0	98,1	98,3	98,4	97,8	94,5	92,9

COLOR PARAMETERS

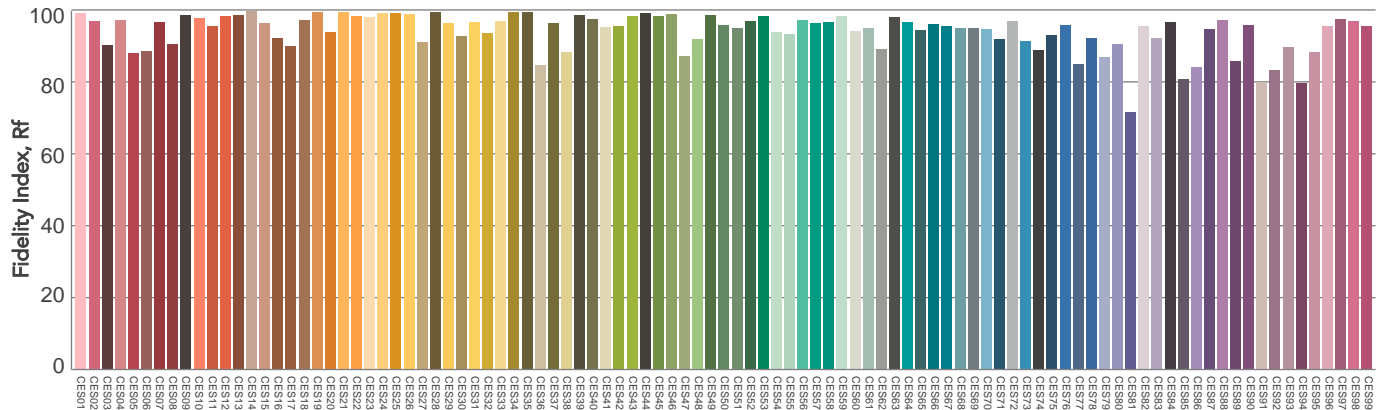
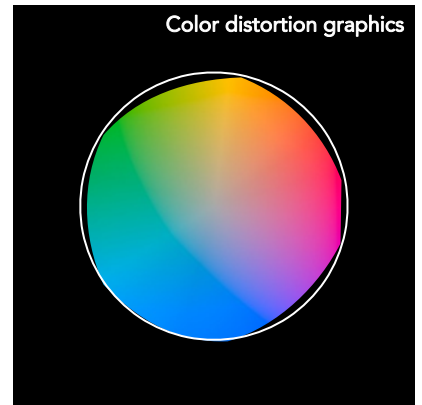
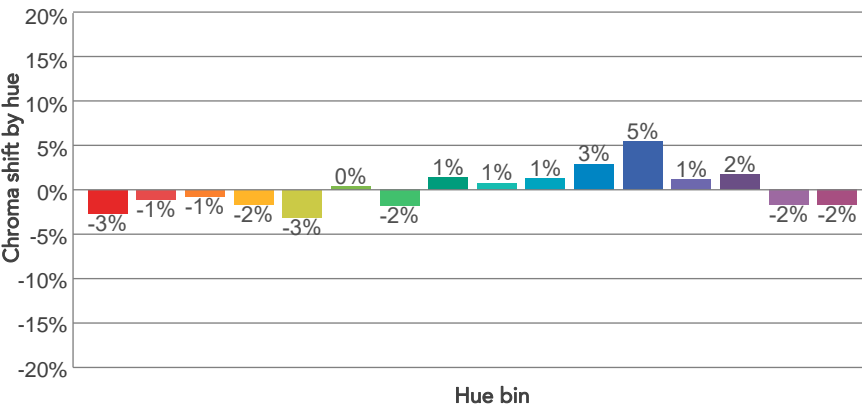
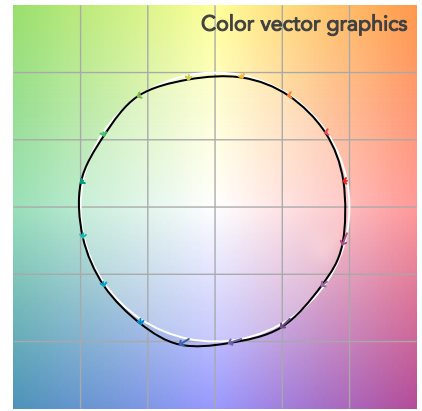
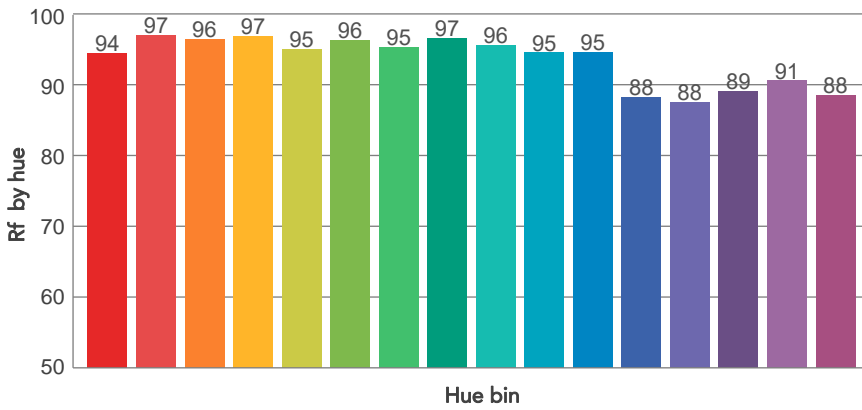
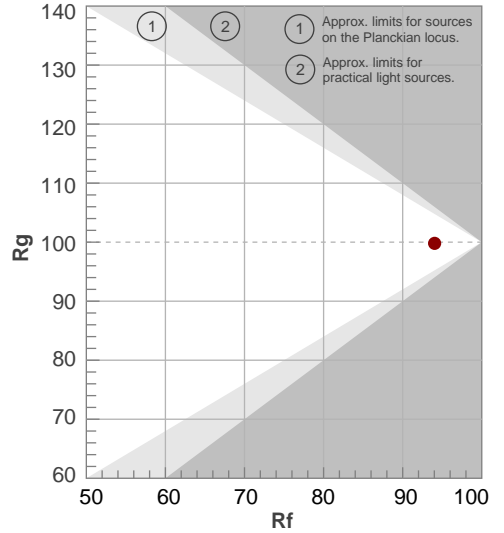
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3207 K	97,7	83,9	94,0	99,8	95,6	88	0,423	0,399	0,0002

TM30 DETAILS

Rf 94,0
Fidelity index Rf

Rg 99,8
Gammut index

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

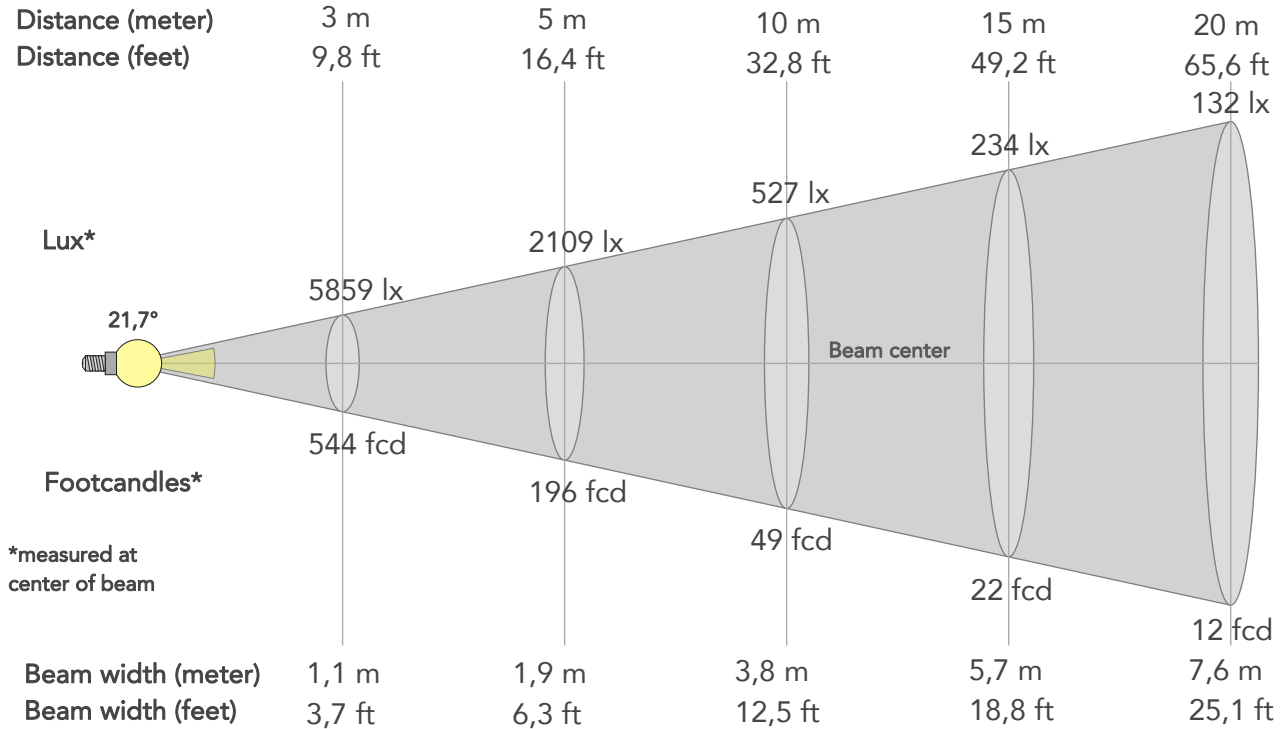


Color Evaluation Sample

BEAM DETAILS



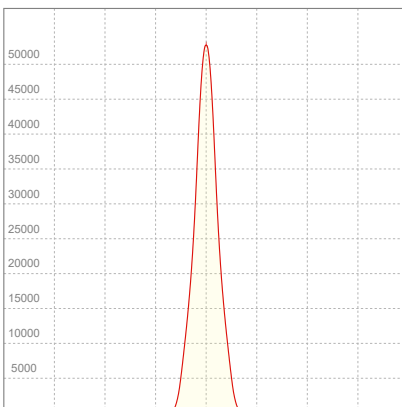
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,7°	44,8°	53,5°	100,0%	100,0%



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	52734lx	13183lx	5859lx	3296lx	2109lx	937lx	527lx	234lx	132lx	84lx	59lx	33lx	21lx
Footcand.	4899fcd	1225fcd	544fcd	306fcd	196fcd	87fcd	49fcd	22fcd	12fcd	8fcd	5fcd	3fcd	2fcd
Beam wid.	0,4m	0,8m	1,1m	1,5m	1,9m	2,9m	3,8m	5,7m	7,6m	9,6m	11,5m	15,3m	19,1m
Beam wid.	1,3ft	2,5ft	3,7ft	5ft	6,3ft	9,4ft	12,5ft	18,8ft	25,1ft	31,4ft	37,6ft	50,2ft	62,7ft

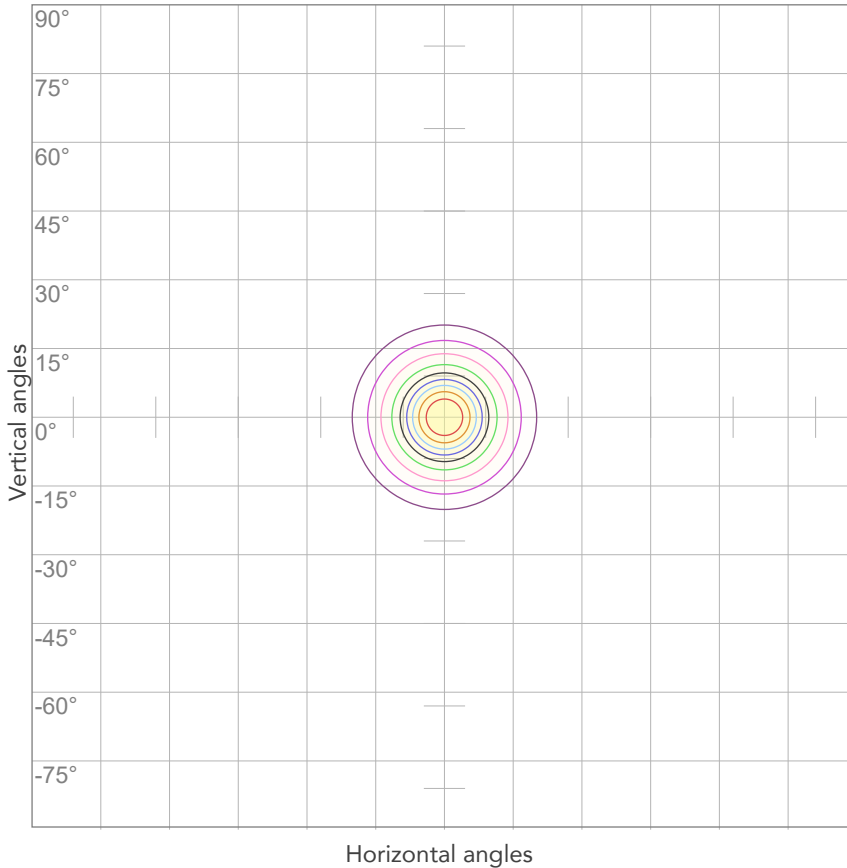
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	2,08A	468,6W	21lm/W

ISO CANDELA DIAGRAM



10%	5273 cd
20%	10547 cd
30%	15820 cd
40%	21093 cd
50%	26367 cd
60%	31640 cd
70%	36913 cd
80%	42187 cd

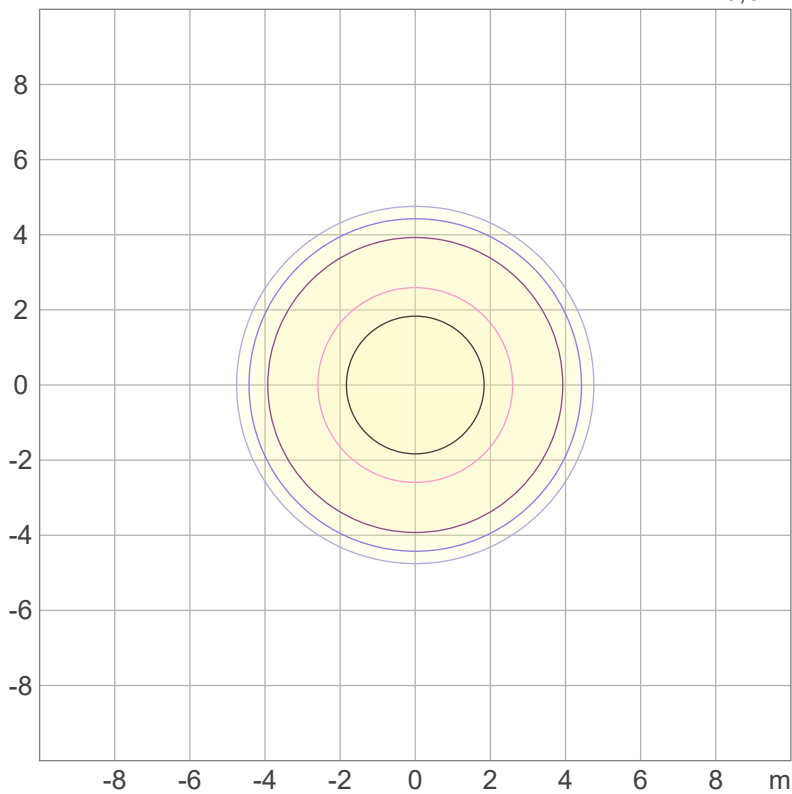
Conditions:

Number of c-planes: 2

Candela at center: 52734 cd

ISO LUX DIAGRAM

MH: 10,0 m



3%	15,8 lx
5%	26,4 lx
10%	52,7 lx
30%	158 lx
50%	264 lx

Conditions:

Number of c-planes: 2

Lux at center: 527 lx

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



Total lumen output:

5327 lm

Peak candela output:

138816 cd

Light quality:

CRI: 97,7

Color temperature:

3269 K

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

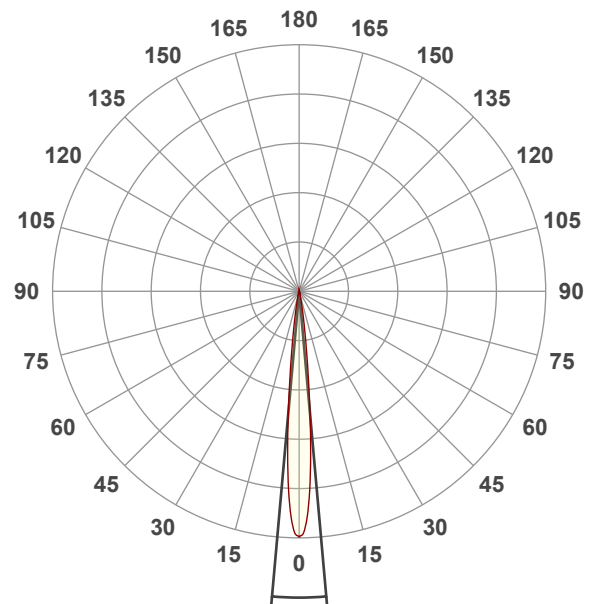
3200K - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 12:32:26

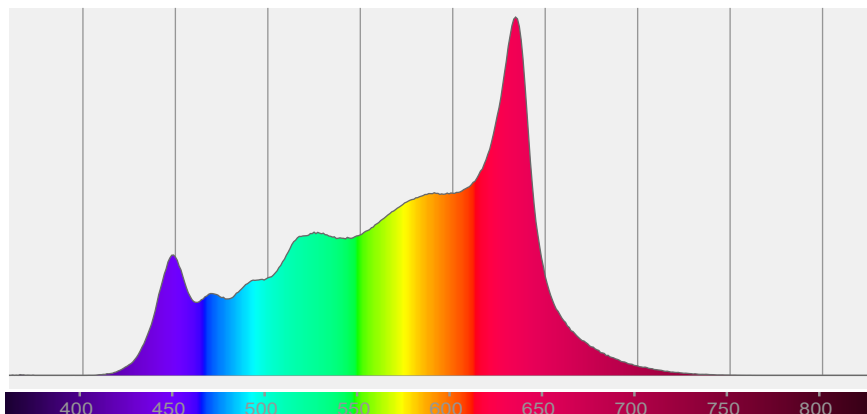


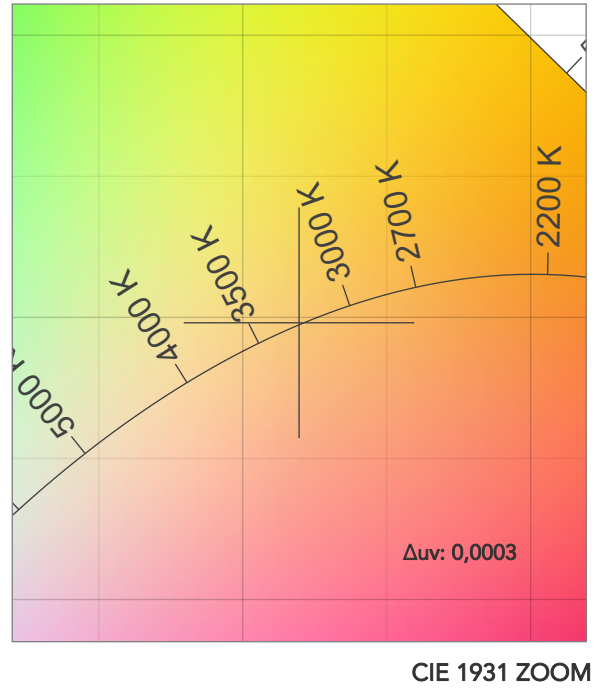
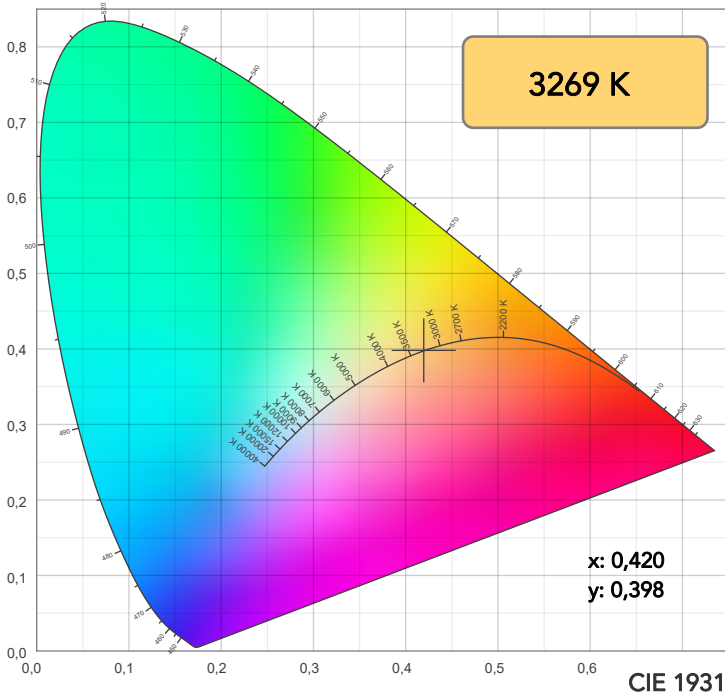
Beam angle 50%: 10,2°

Field angle 10%: 18,8°

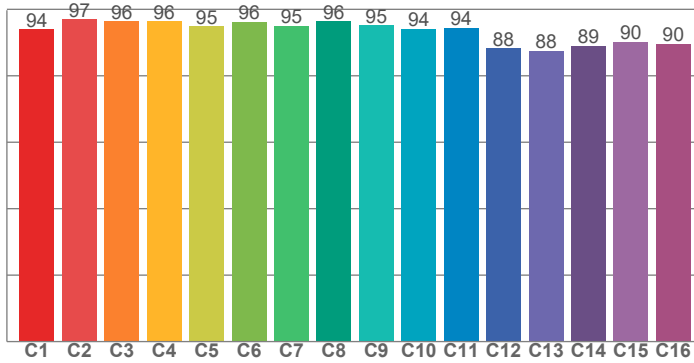
Cut off angle 2.5%: 26,1°

Spectra

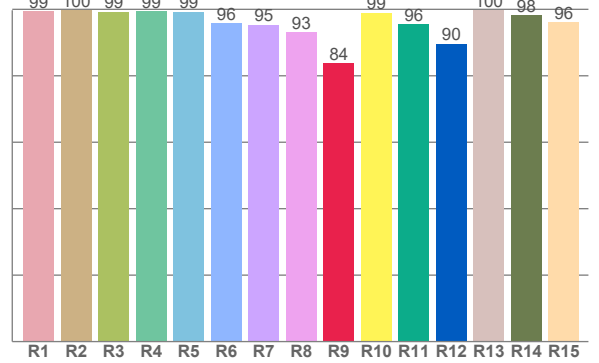




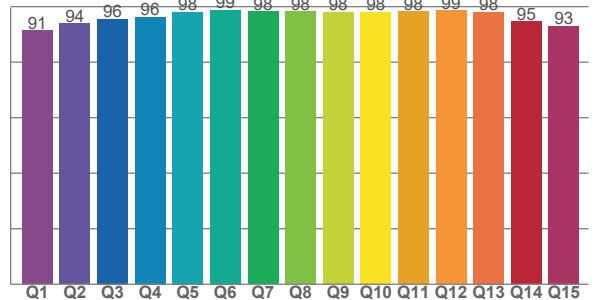
TM30: 93,9



CRI: 97,7 (R1-R8)



CQS: 95,7



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,3	99,8	99,2	99,4	99,3	95,8	95,4	93,0	83,7	98,9	95,6	89,7	99,8	98,3	96,0

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,0	96,9	96,4	96,4	94,8	96,2	95,1	96,4	95,2	94,2	94,4	88,3	87,5	89,0	90,2	89,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91,4	93,8	95,6	96,3	98,0	98,7	98,2	98,3	97,9	98,0	98,2	98,6	98,1	94,7	93,0

COLOR PARAMETERS

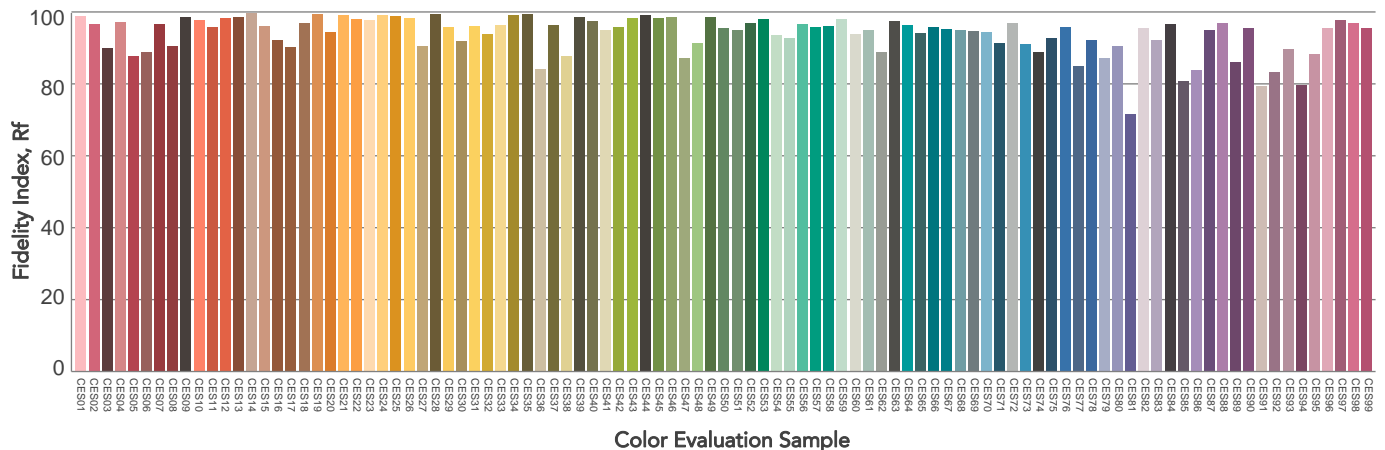
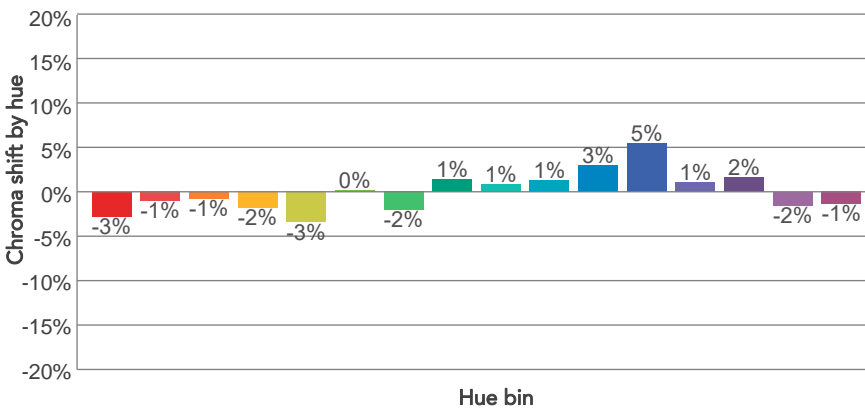
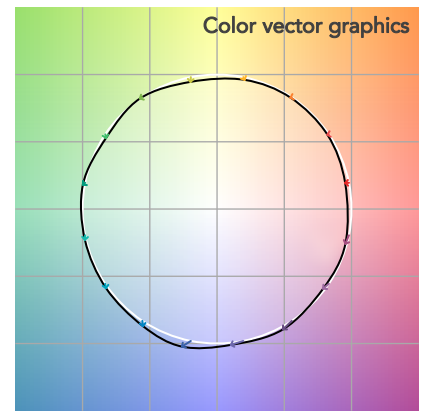
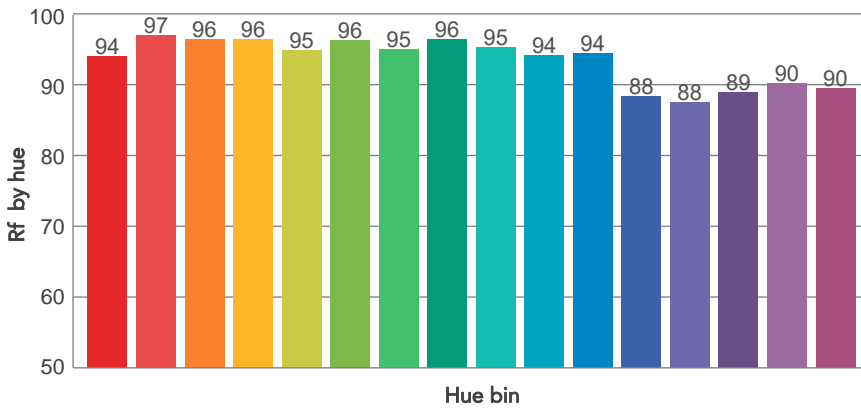
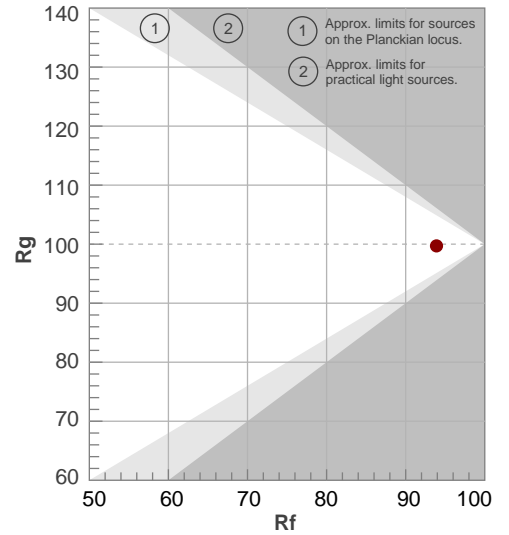
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3269 K	97,7	83,7	93,9	99,7	95,7	88	0,420	0,398	0,0003

TM30 DETAILS

Rf 93,9
Fidelity index Rf

Rg 99,7
Gammut index

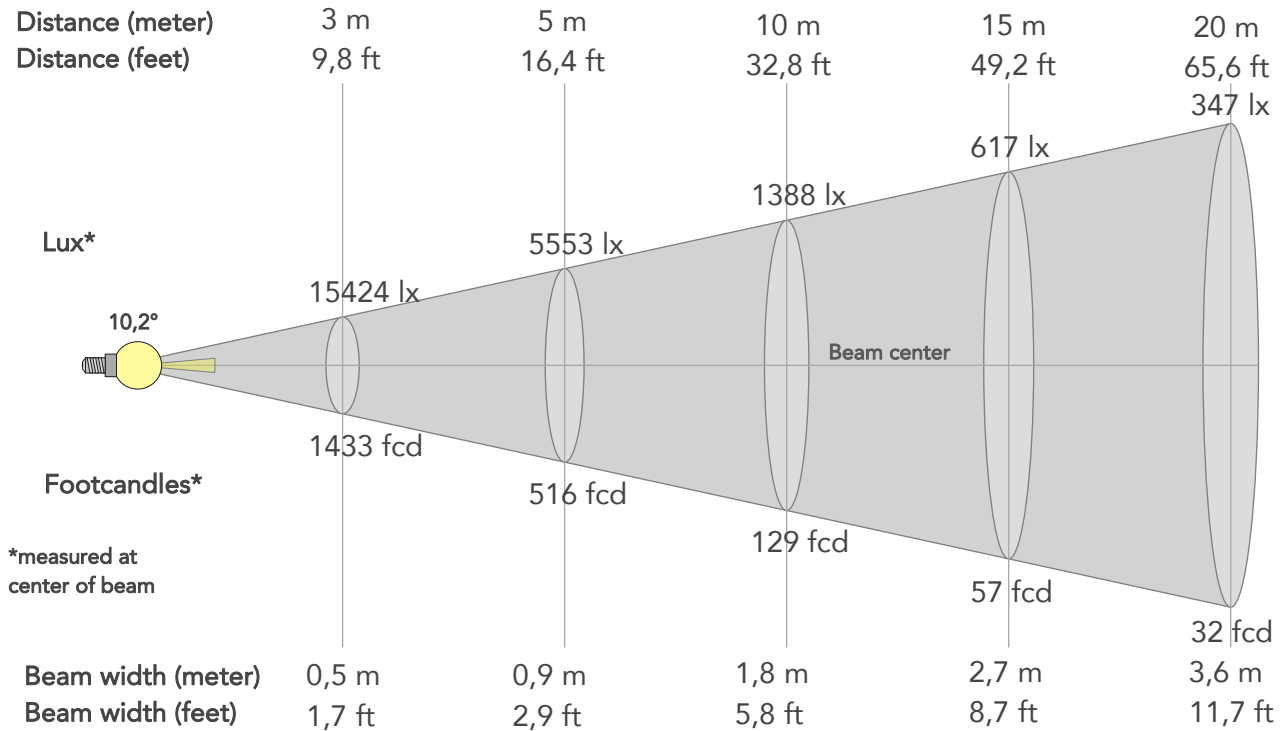
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-3%	0%
2	97	-1%	0%
3	96	-1%	1%
4	96	-2%	-1%
5	95	-3%	1%
6	96	0%	2%
7	95	-2%	2%
8	96	1%	2%
9	95	1%	3%
10	94	1%	3%
11	94	3%	3%
12	88	5%	-6%
13	88	1%	-10%
14	89	2%	-9%
15	90	-2%	-5%
16	90	-1%	-7%



BEAM DETAILS



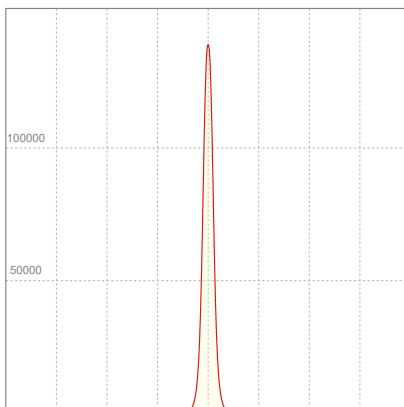
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,2°	18,8°	26,1°	100,0%	100,0%



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	138816lx	34704lx	15424lx	8676lx	5553lx	2468lx	1388lx	617lx	347lx	222lx	154lx	87lx	56lx
Footcand.	12896fcd	3224fcd	1433fcd	806fcd	516fcd	229fcd	129fcd	57fcd	32fcd	21fcd	14fcd	8fcd	5fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,7m	3,6m	4,4m	5,3m	7,1m	8,9m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,4ft	5,8ft	8,7ft	11,7ft	14,6ft	17,5ft	23,3ft	29,2ft

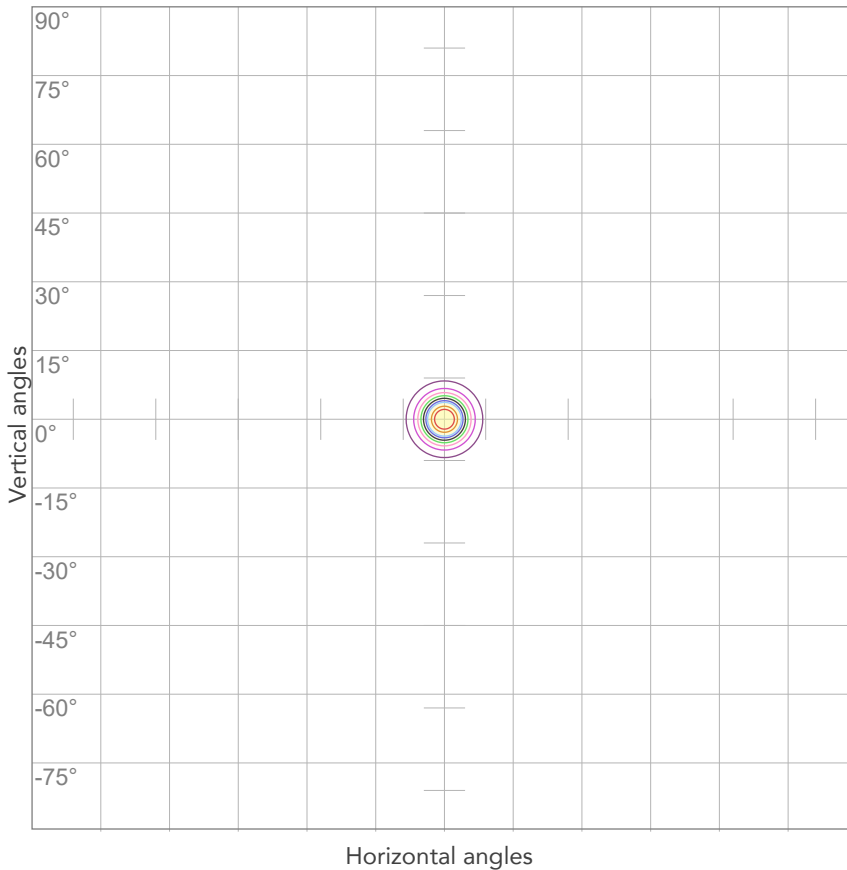
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
223V	2,12A	471,2W	11lm/W

ISO CANDELA DIAGRAM



10%	13882 cd
20%	27763 cd
30%	41645 cd
40%	55526 cd
50%	69408 cd
60%	83289 cd
70%	97171 cd
80%	111053 cd

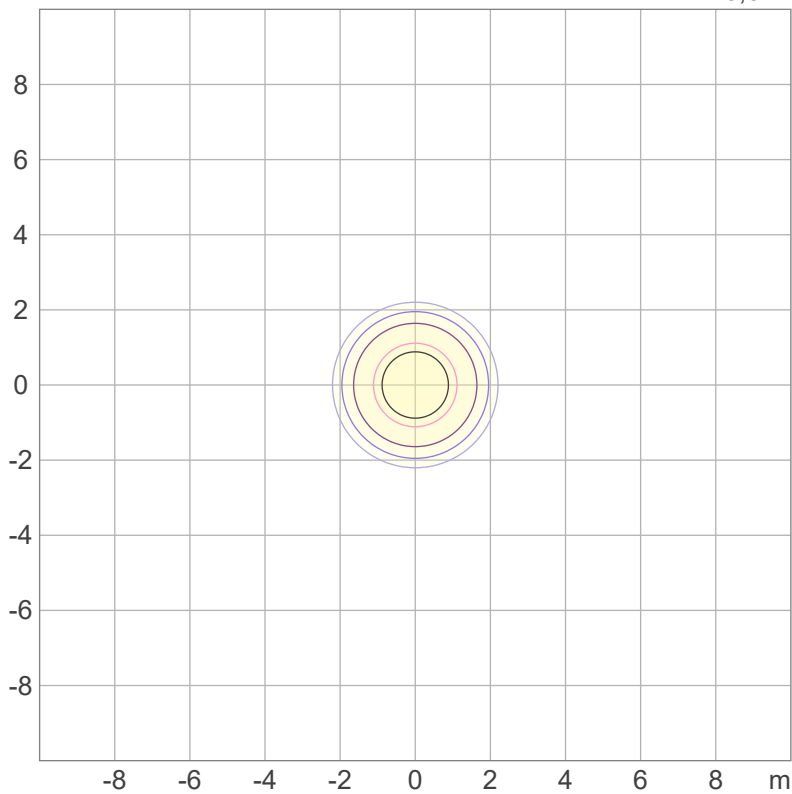
Conditions:

Number of c-planes: 2

Candela at center: 138816 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

3%	41,6 lx
5%	69,4 lx
10%	139 lx
30%	416 lx
50%	694 lx

Conditions:

Number of c-planes: 2

Lux at center: 1388 lx

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



Total lumen output:

13814 lm

Peak candela output:

18288 cd

Light quality:

CRI: 97,8

Color temperature:

4028 K

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

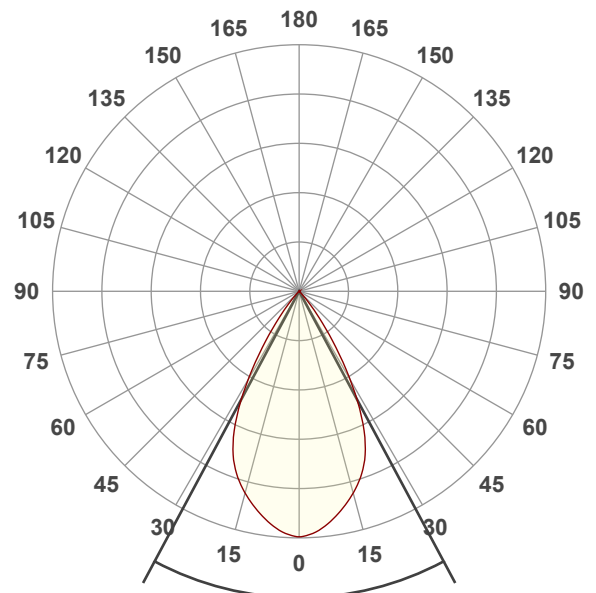
4000K - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 14:34:14

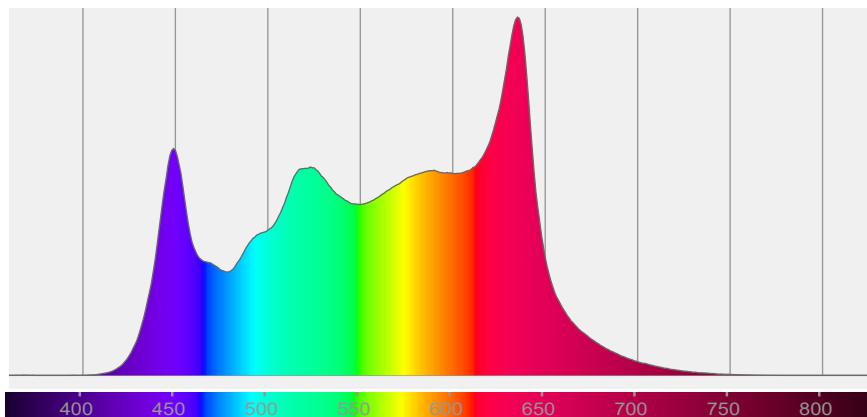


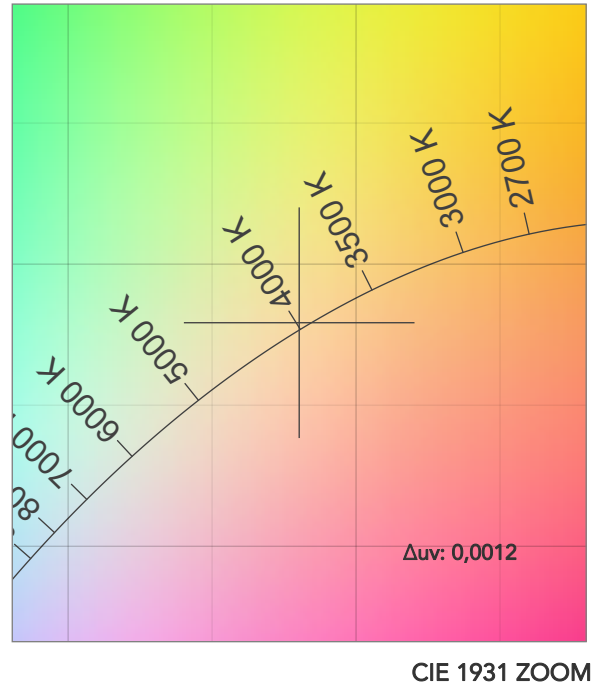
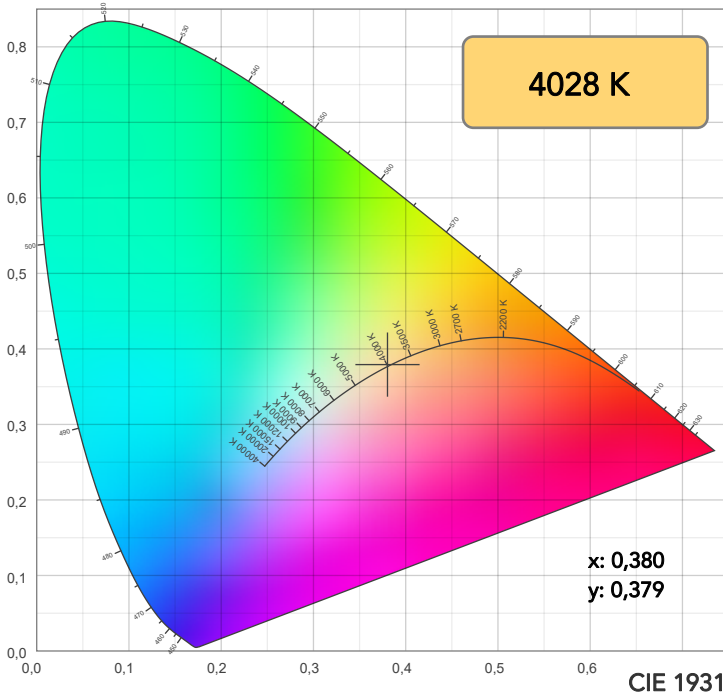
Beam angle 50%: 56,3°

Field angle 10%: 77,2°

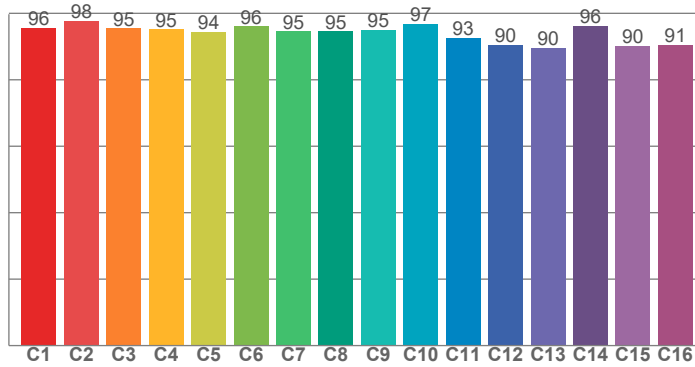
Cut off angle 2.5%: 85,9°

Spectra

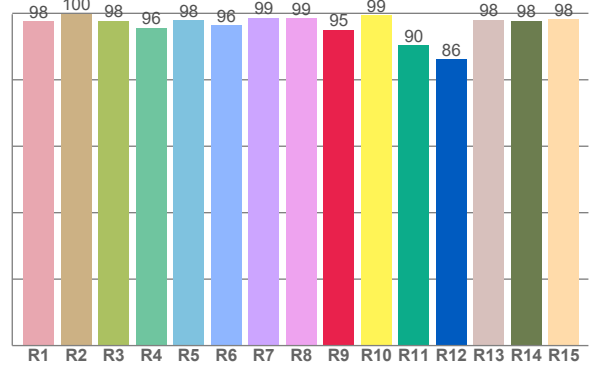




TM30: 94,3



CRI: 97,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,6	99,9	97,7	95,7	97,9	96,5	98,6	98,5	95,1	99,3	90,3	86,2	98,0	97,7	98,2

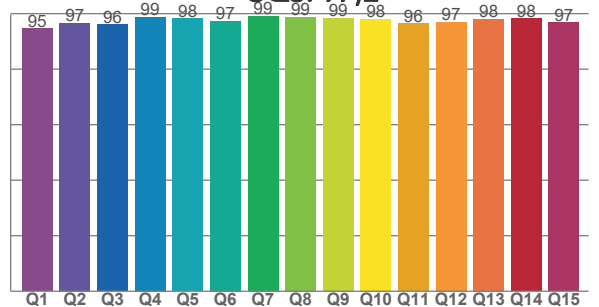
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,7	97,7	95,4	95,2	94,4	96,0	94,6	94,6	95,1	96,8	92,6	90,4	89,6	96,3	90,3	90,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,6	96,7	96,0	98,7	98,2	97,4	99,1	98,8	98,5	98,0	96,4	97,0	98,1	98,3	96,8

CQS: 97,2



COLOR PARAMETERS

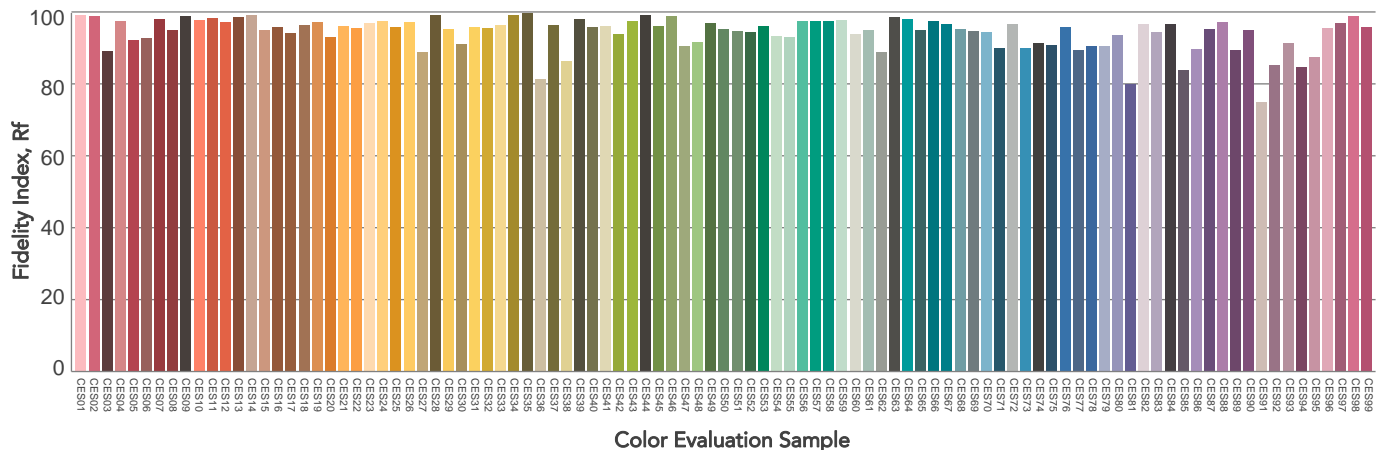
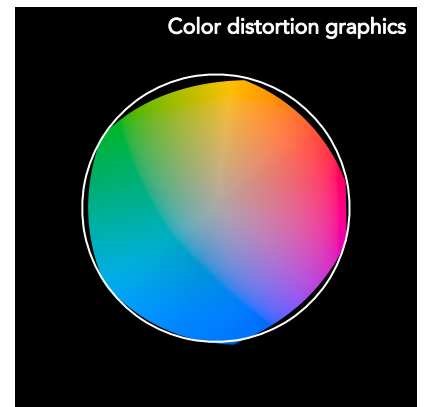
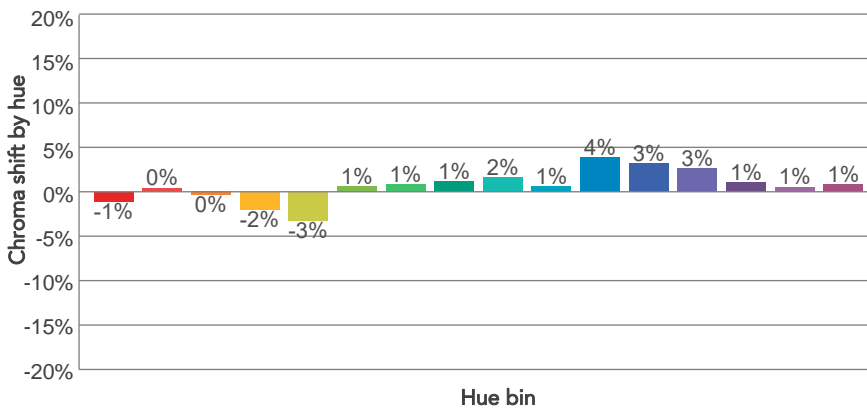
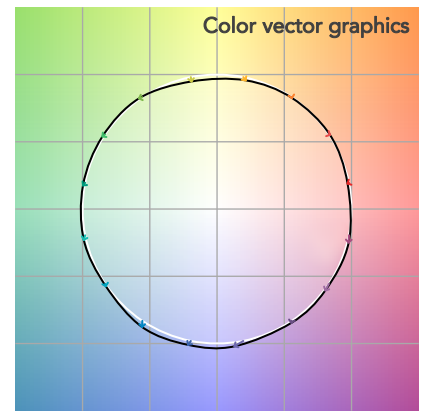
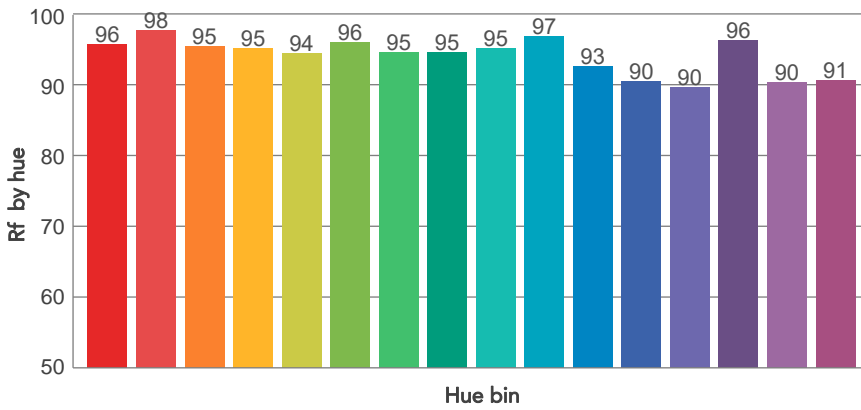
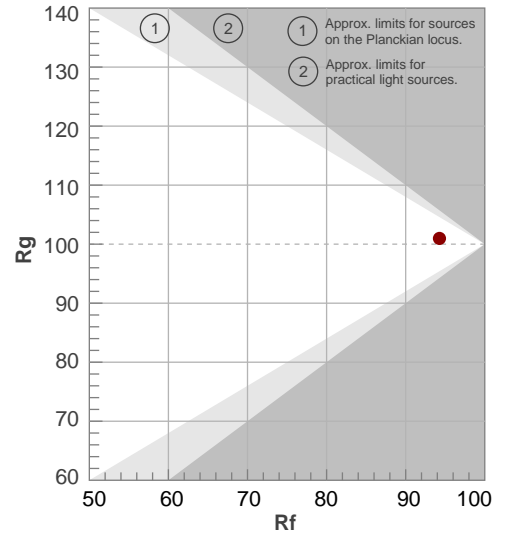
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4028 K	97,8	95,1	94,3	101,0	97,2	91	0,380	0,379	0,0012

TM30 DETAILS

Rf 94,3
Fidelity index Rf

Rg 101,0
Gammut index

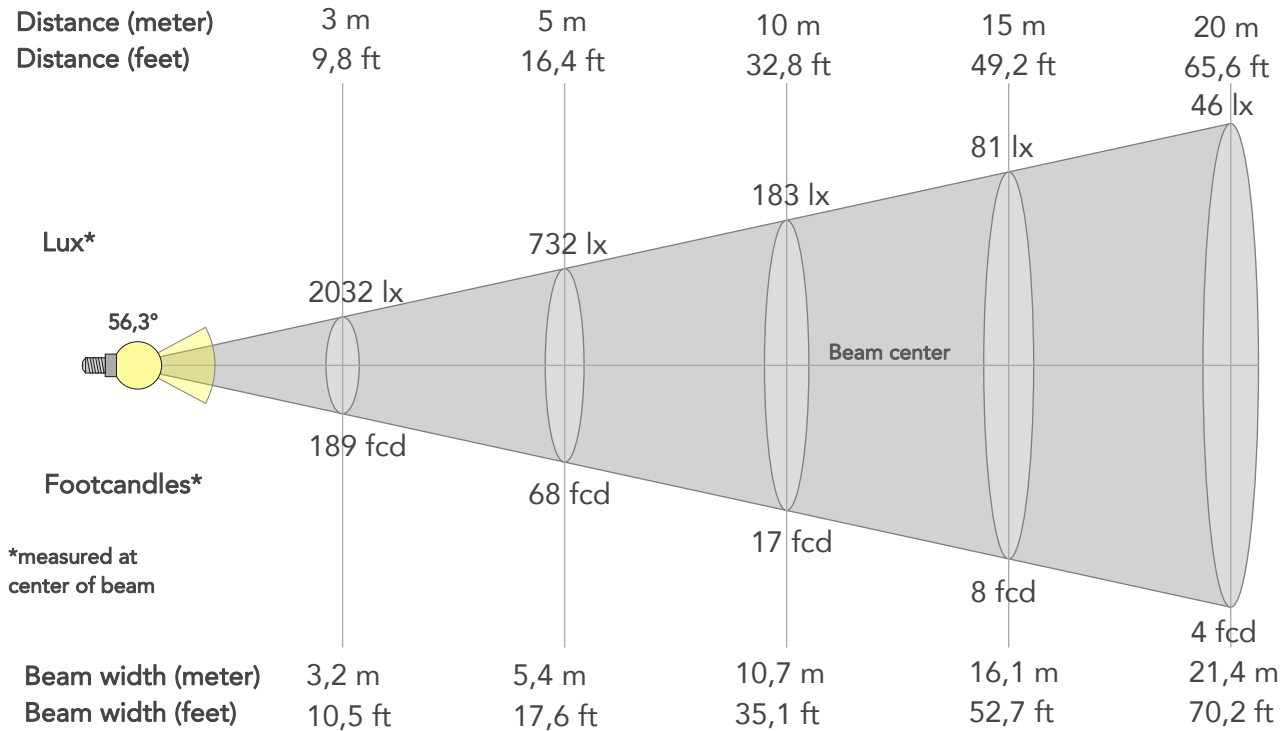
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	0%
2	98	0%	-1%
3	95	0%	0%
4	95	-2%	-2%
5	94	-3%	0%
6	96	1%	3%
7	95	1%	3%
8	95	1%	2%
9	95	2%	3%
10	97	1%	2%
11	93	4%	2%
12	90	3%	-1%
13	90	3%	-7%
14	96	1%	-1%
15	90	1%	-6%
16	91	1%	-5%



BEAM DETAILS



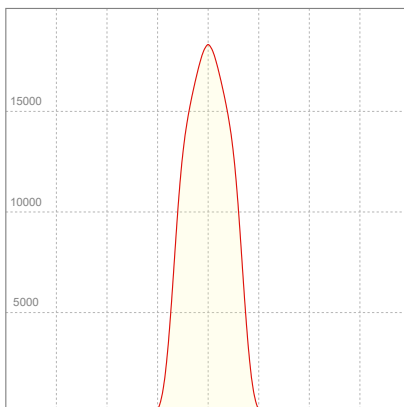
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,3°	77,2°	85,9°	100,0%	99,7%



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	18288lx	4572lx	2032lx	1143lx	732lx	325lx	183lx	81lx	46lx	29lx	20lx	11lx	7lx
Footcand.	1699fcd	425fcd	189fcd	106fcd	68fcd	30fcd	17fcd	8fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	1,1m	2,1m	3,2m	4,3m	5,4m	8m	10,7m	16,1m	21,4m	26,8m	32,1m	42,8m	53,5m
Beam wid.	3,5ft	7,1ft	10,5ft	14ft	17,6ft	26,3ft	35,1ft	52,7ft	70,2ft	87,8ft	105,3ft	140,4ft	175,5ft

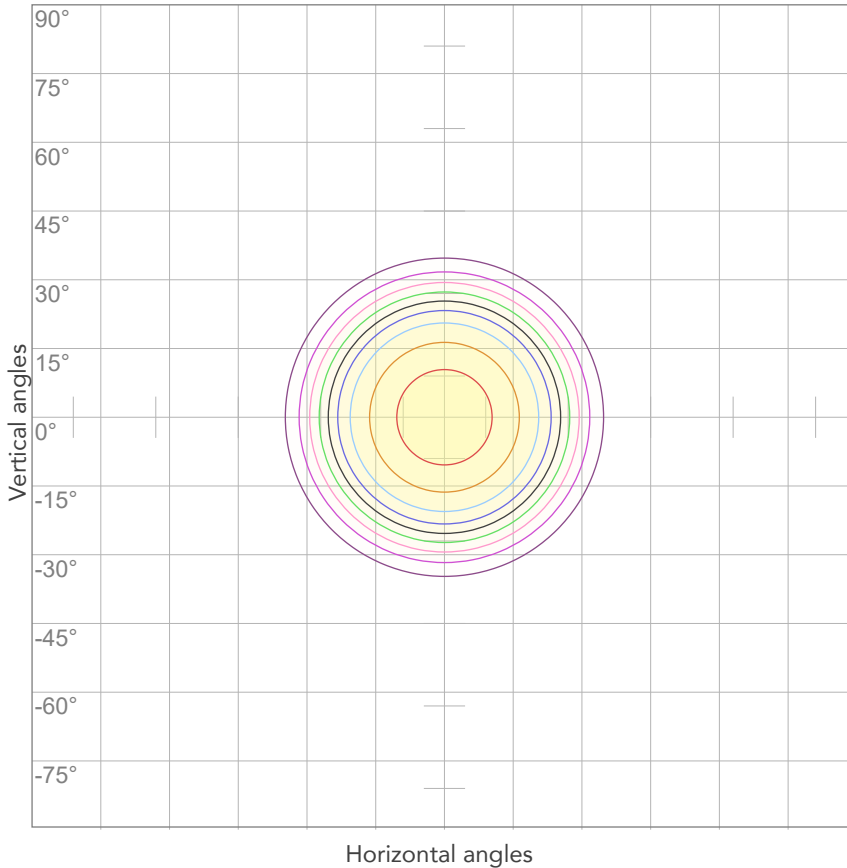
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	2,43A	546,5W	25lm/W

ISO CANDELA DIAGRAM



10%	1829 cd
20%	3658 cd
30%	5486 cd
40%	7315 cd
50%	9144 cd
60%	10973 cd
70%	12802 cd
80%	14631 cd

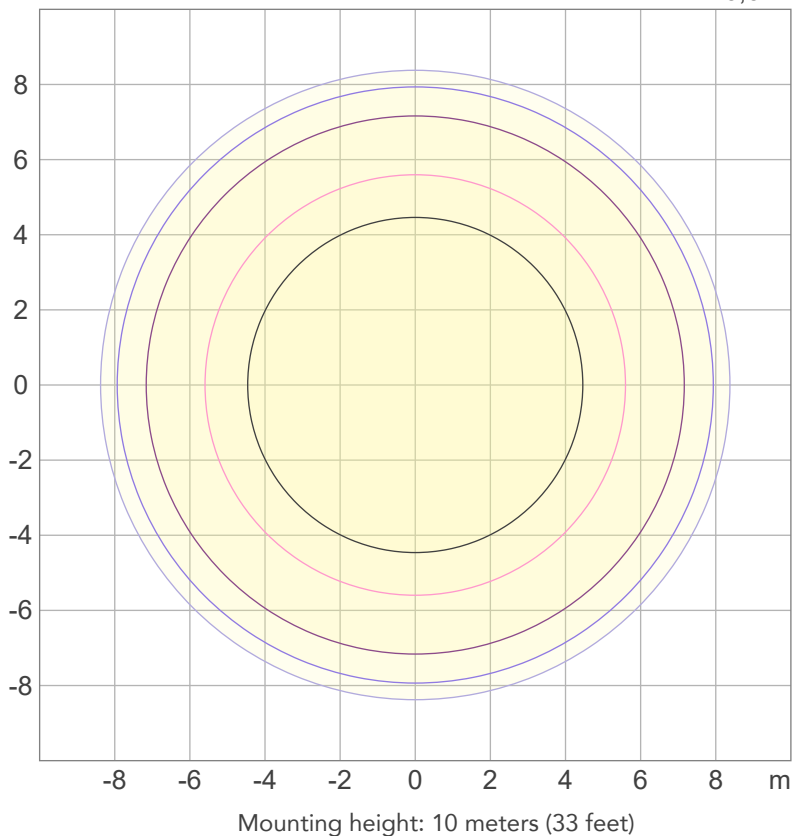
Conditions:

Number of c-planes: 2

Candela at center: 18288 cd

ISO LUX DIAGRAM

MH: 10,0 m



3%	5,49 lx
5%	9,14 lx
10%	18,3 lx
30%	54,9 lx
50%	91,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 183 lx

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



Total lumen output:

10847 lm

Peak candela output:

58206 cd

Light quality:

CRI: 97,9

Color temperature:

4102 K

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

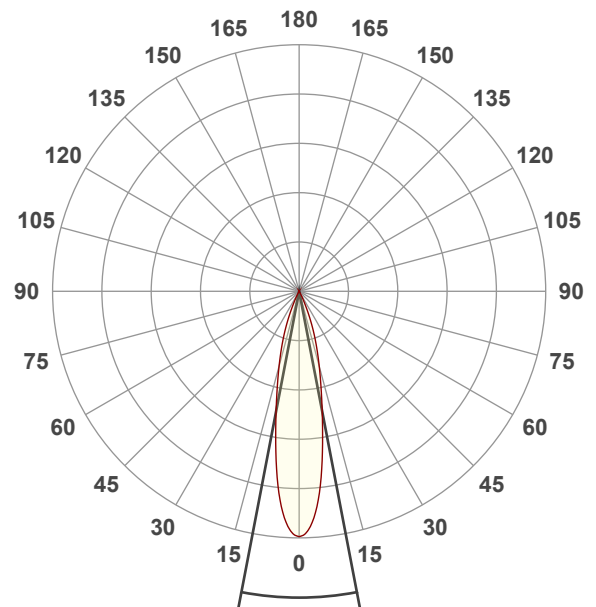
4000K - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 13:31:35

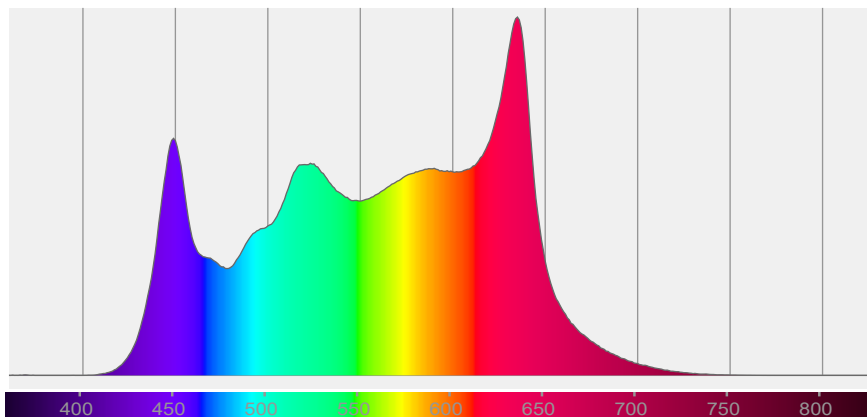


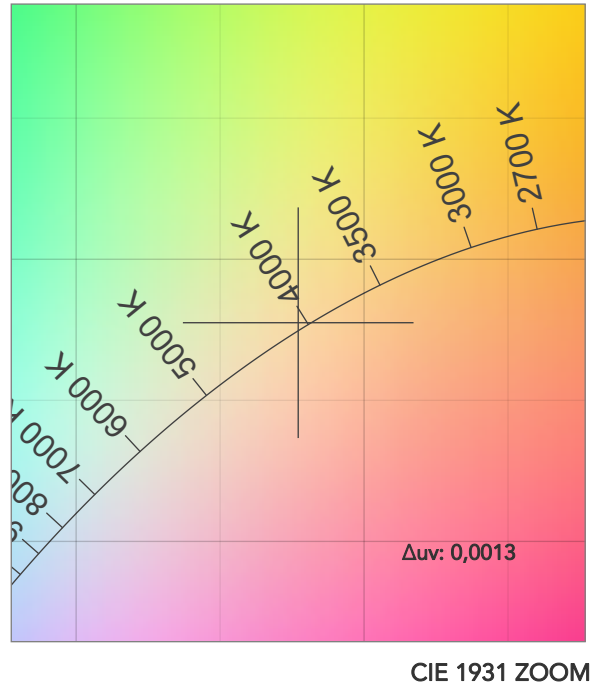
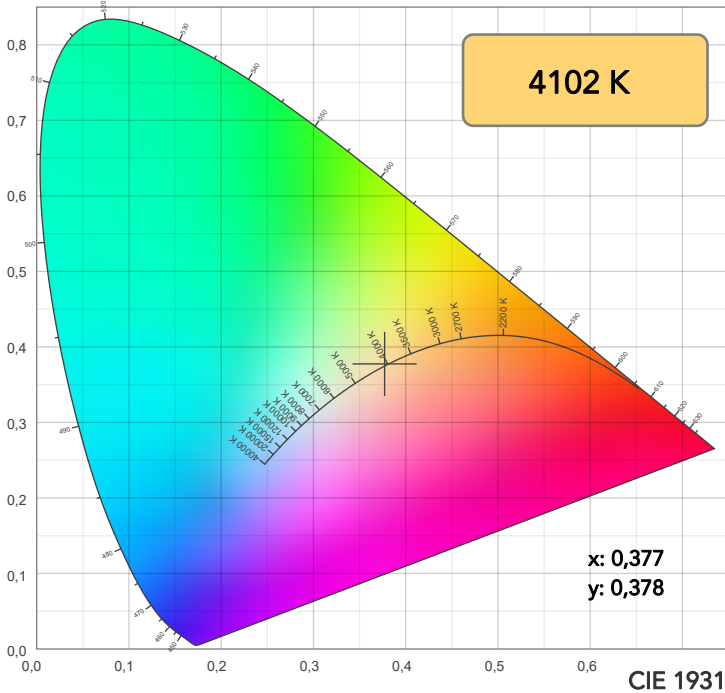
Beam angle 50%: 21,7°

Field angle 10%: 44,9°

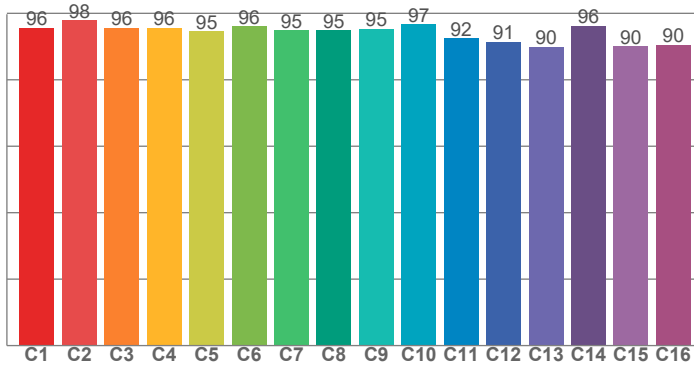
Cut off angle 2.5%: 53,7°

Spectra

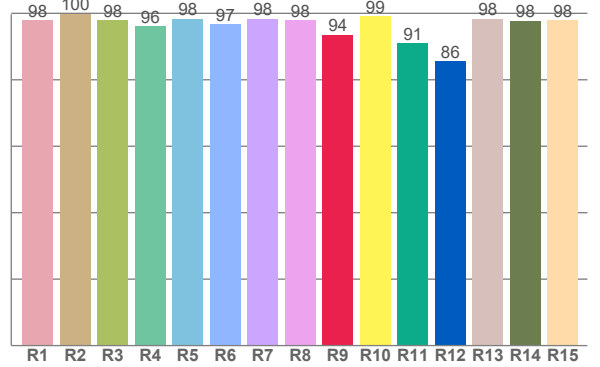




TM30: 94,3



CRI: 97,9 (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
97,9	99,8	97,8	96,1	98,3	96,7	98,4	97,9	93,5	99,2	90,9	85,6	98,4	97,8	97,9

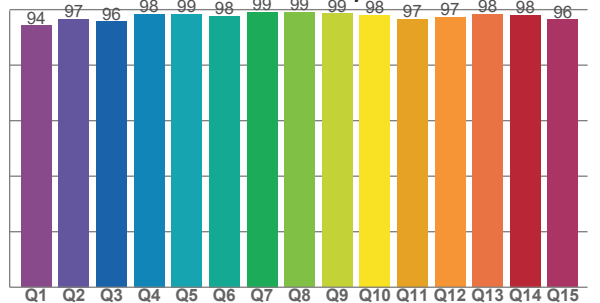
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,6	97,9	95,6	95,6	94,6	96,1	94,8	94,9	95,3	96,7	92,4	91,4	89,9	96,2	90,1	90,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,2	96,6	95,7	98,4	98,5	97,7	99,1	99,0	98,6	98,1	96,7	97,2	98,3	98,1	96,5

CQS: 97,2



COLOR PARAMETERS

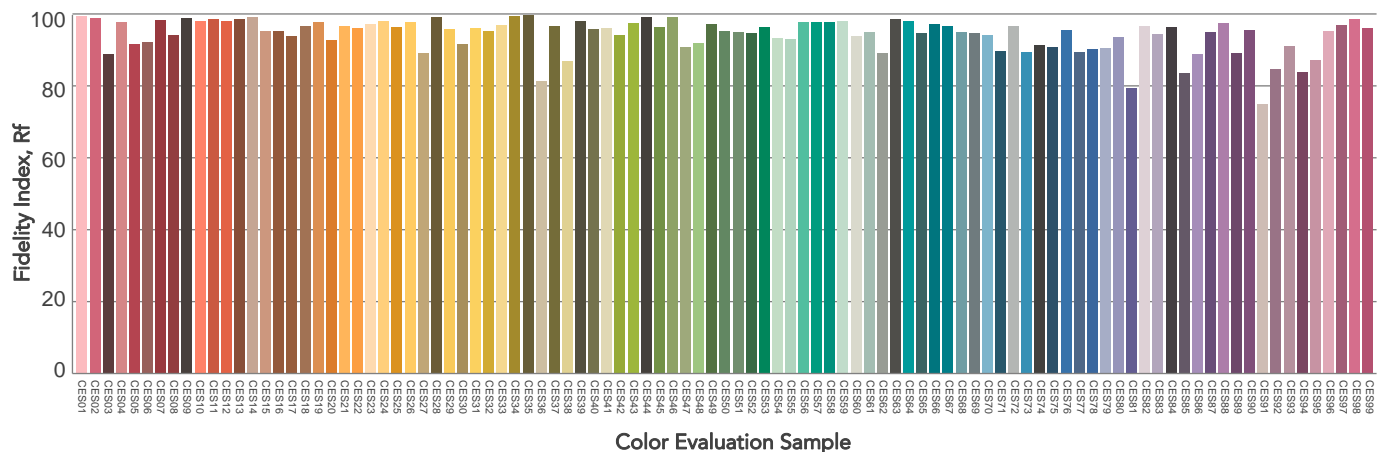
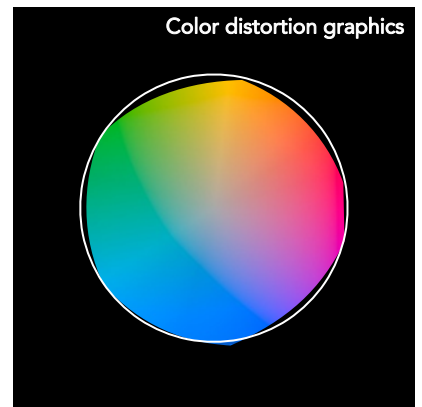
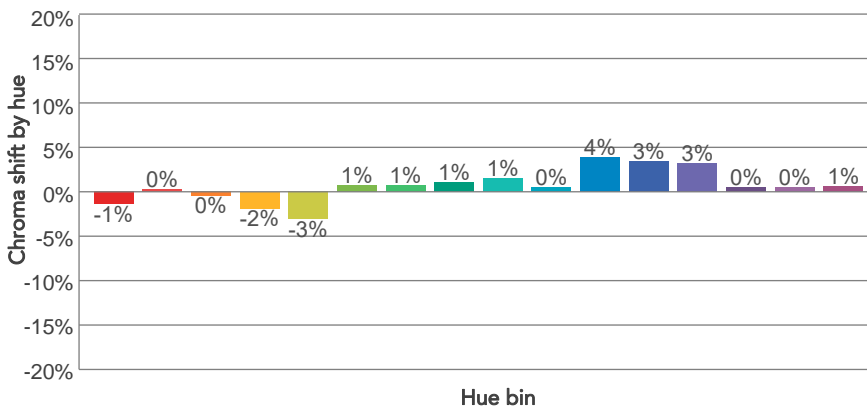
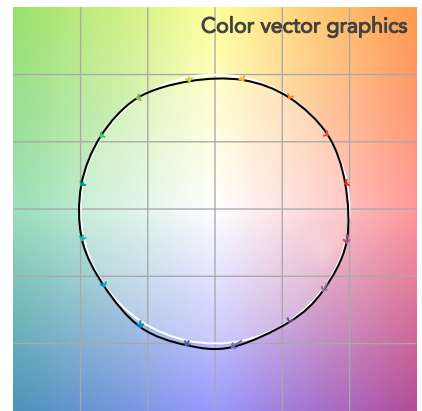
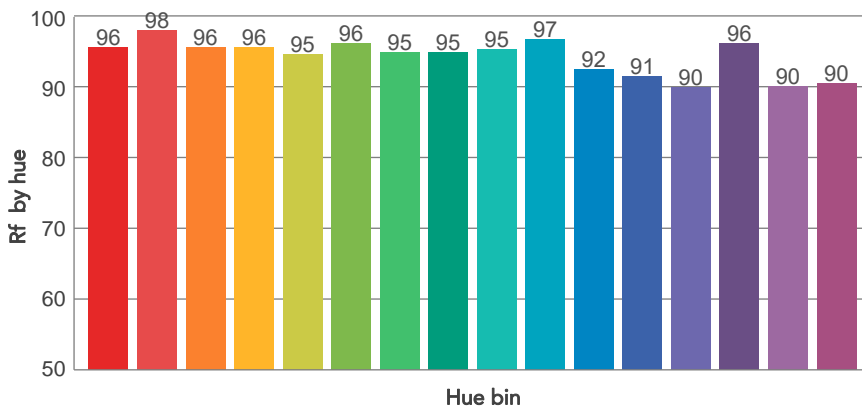
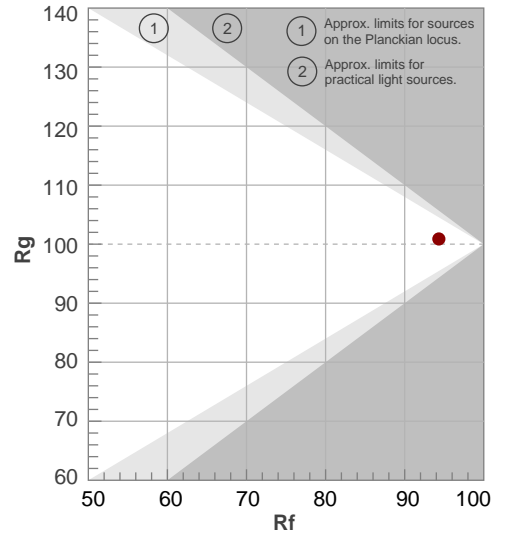
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4102 K	97,9	93,5	94,3	100,9	97,2	90	0,377	0,378	0,0013

TM30 DETAILS

Rf 94,3
Fidelity index Rf

Rg 100,9
Gammut index

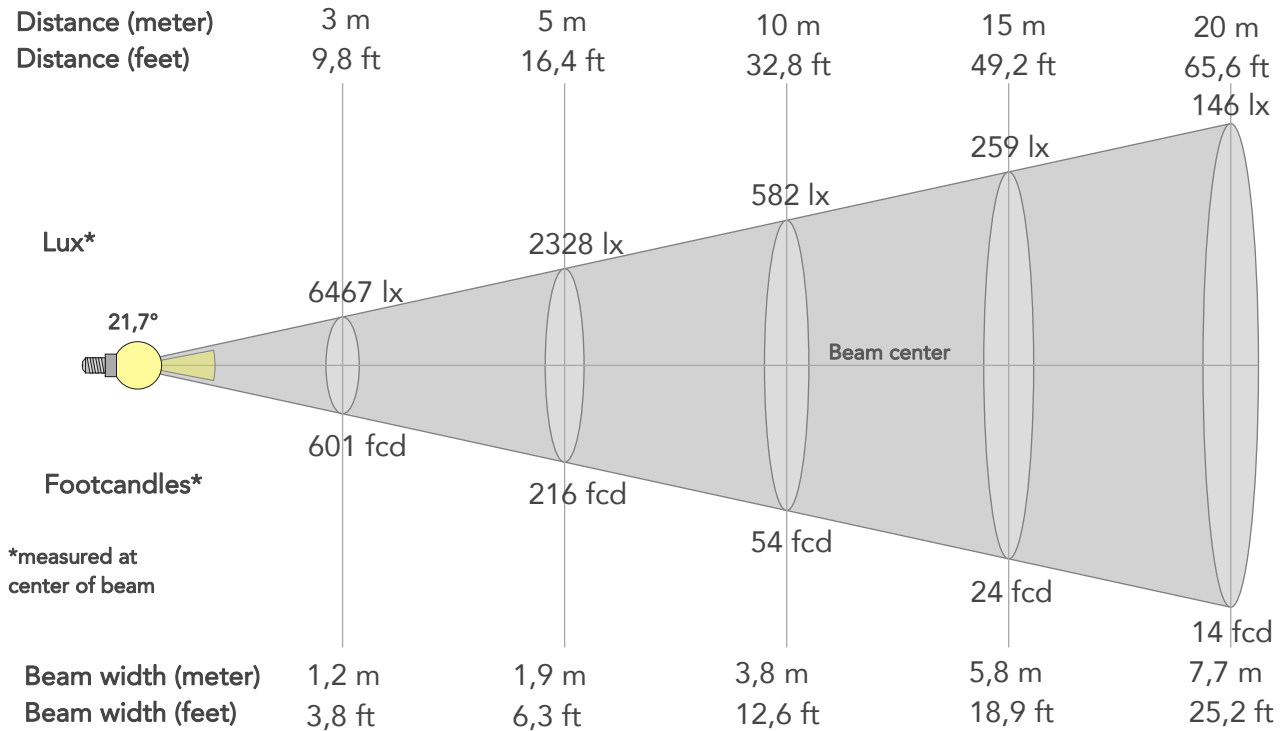
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	0%
2	98	0%	-1%
3	96	0%	0%
4	96	-2%	-2%
5	95	-3%	0%
6	96	1%	2%
7	95	1%	2%
8	95	1%	2%
9	95	1%	3%
10	97	0%	2%
11	92	4%	3%
12	91	3%	-2%
13	90	3%	-8%
14	96	0%	-1%
15	90	0%	-6%
16	90	1%	-6%



BEAM DETAILS



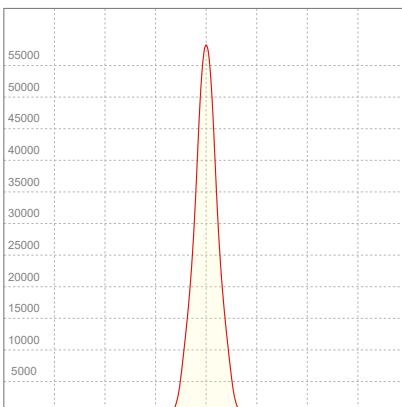
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,7°	44,9°	53,7°	100,0%	100,0%



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	5820lx	14551lx	6467lx	3638lx	2328lx	1035lx	582lx	259lx	146lx	93lx	65lx	36lx	23lx
Footcand.	5408fcd	1352fcd	601fcd	338fcd	216fcd	96fcd	54fcd	24fcd	14fcd	9fcd	6fcd	3fcd	2fcd
Beam wid.	0,4m	0,8m	1,2m	1,5m	1,9m	2,9m	3,8m	5,8m	7,7m	9,6m	11,5m	15,4m	19,2m
Beam wid.	1,3ft	2,5ft	3,8ft	5ft	6,3ft	9,4ft	12,6ft	18,9ft	25,2ft	31,5ft	37,8ft	50,4ft	62,9ft

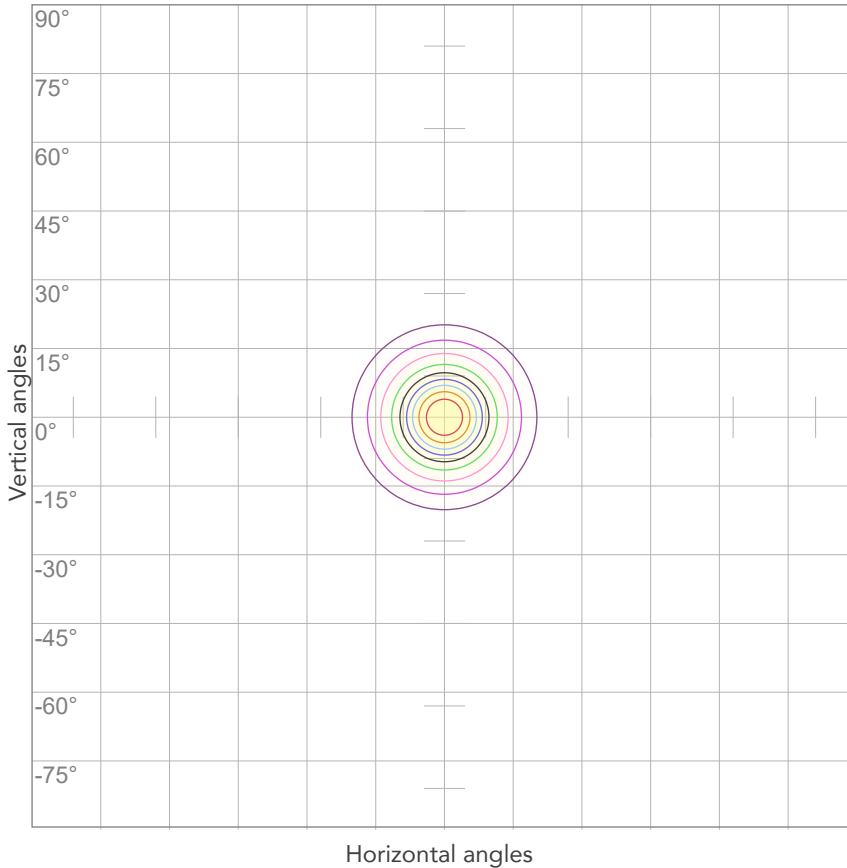
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	2,38A	535,1W	20lm/W

ISO CANDELA DIAGRAM



10%	5821 cd
20%	11641 cd
30%	17462 cd
40%	23282 cd
50%	29103 cd
60%	34924 cd
70%	40744 cd
80%	46565 cd

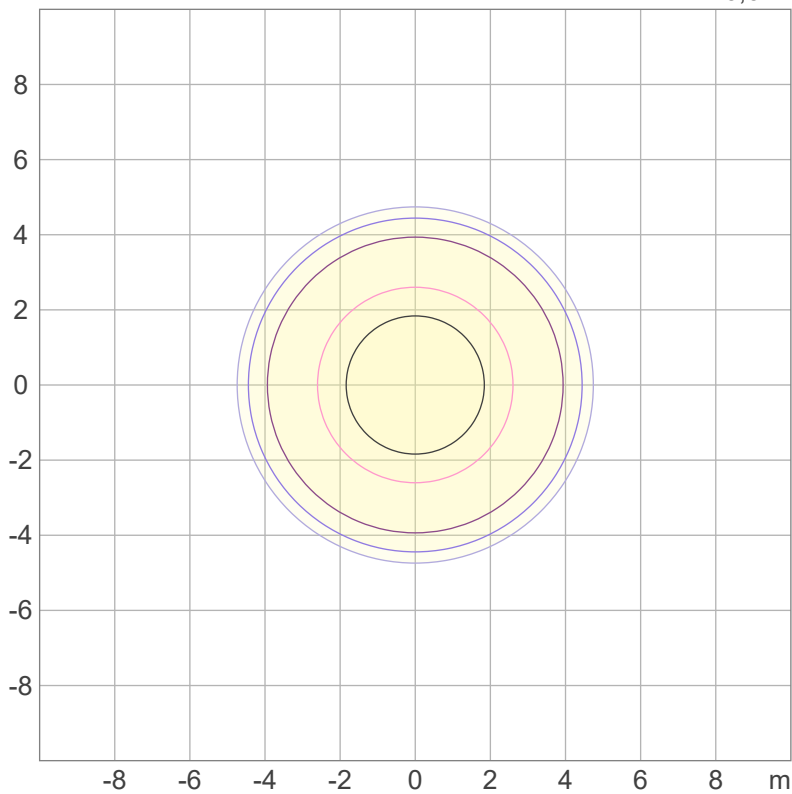
Conditions:

Number of c-planes: 2

Candela at center: 58206 cd

ISO LUX DIAGRAM

MH: 10,0 m



3%	17,5 lx
5%	29,1 lx
10%	58,2 lx
30%	175 lx
50%	291 lx

Conditions:

Number of c-planes: 2

Lux at center: 582 lx

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



Total lumen output:

5859 lm

Peak candela output:

152128 cd

Light quality:

CRI: 98,0

Color temperature:

4096 K

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

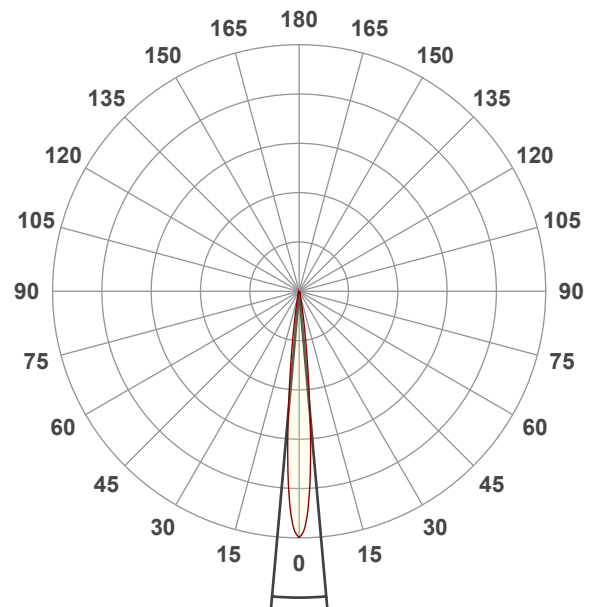
4000K - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 12:39:51

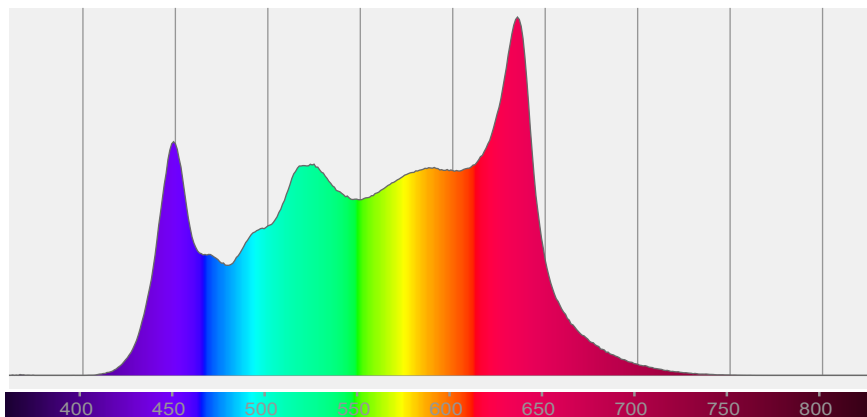


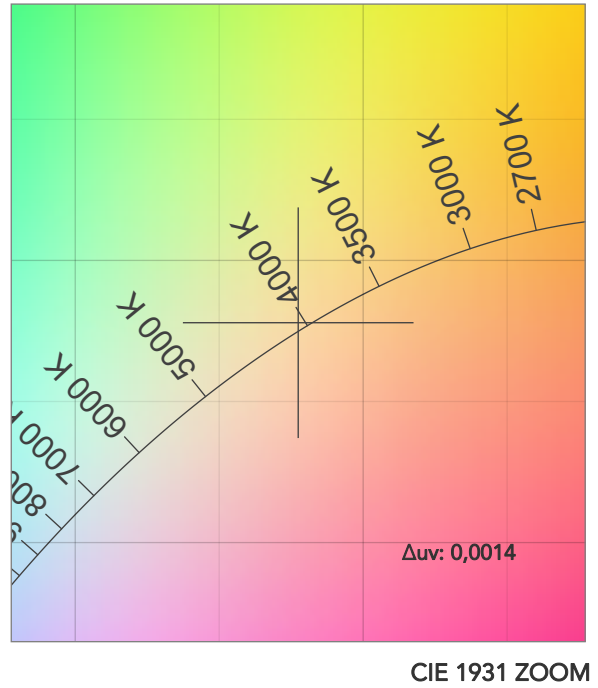
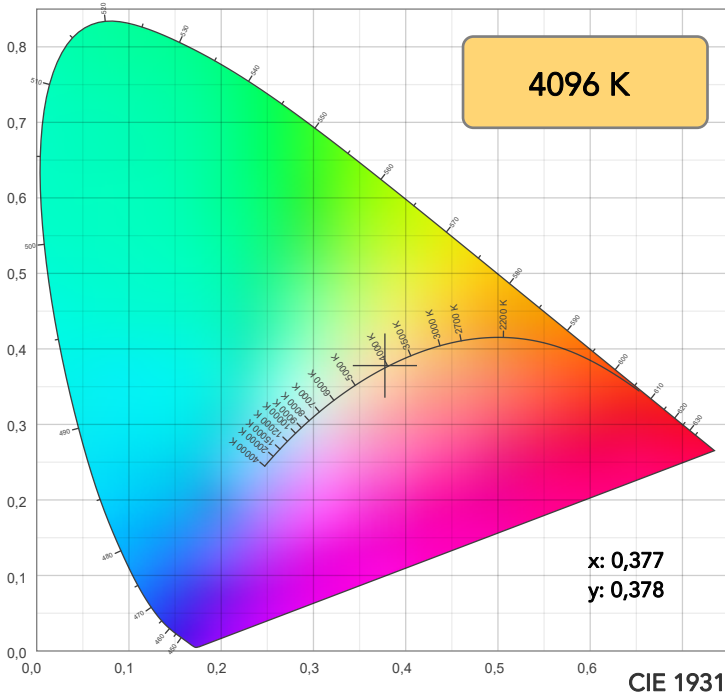
Beam angle 50%: 10,1°

Field angle 10%: 18,8°

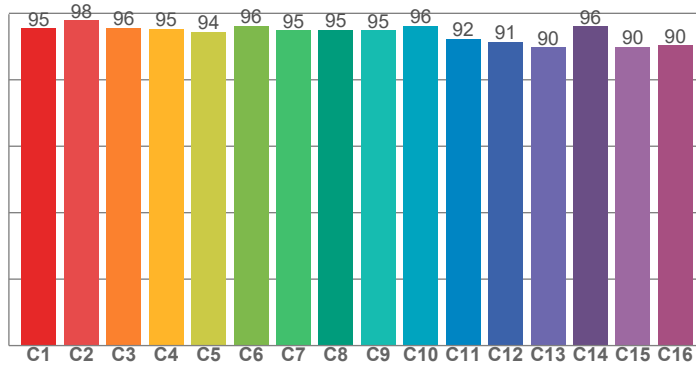
Cut off angle 2.5%: 26,3°

Spectra

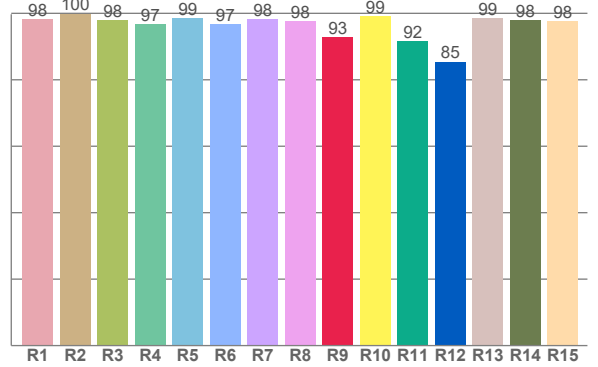




TM30: 94,2



CRI: 98,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,2	99,8	98,0	96,7	98,5	96,7	98,2	97,5	92,9	99,1	91,7	85,4	98,5	97,9	97,7

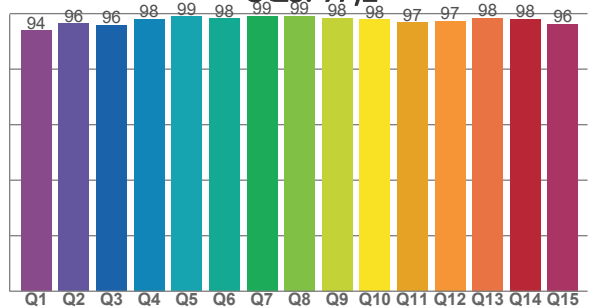
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,5	97,9	95,6	95,3	94,4	96,3	94,9	95,0	94,9	96,2	92,3	91,4	89,8	96,1	89,9	90,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,9	96,5	95,8	98,1	99,0	98,2	99,2	99,1	98,4	97,9	96,8	97,4	98,4	98,0	96,3

CQS: 97,2



COLOR PARAMETERS

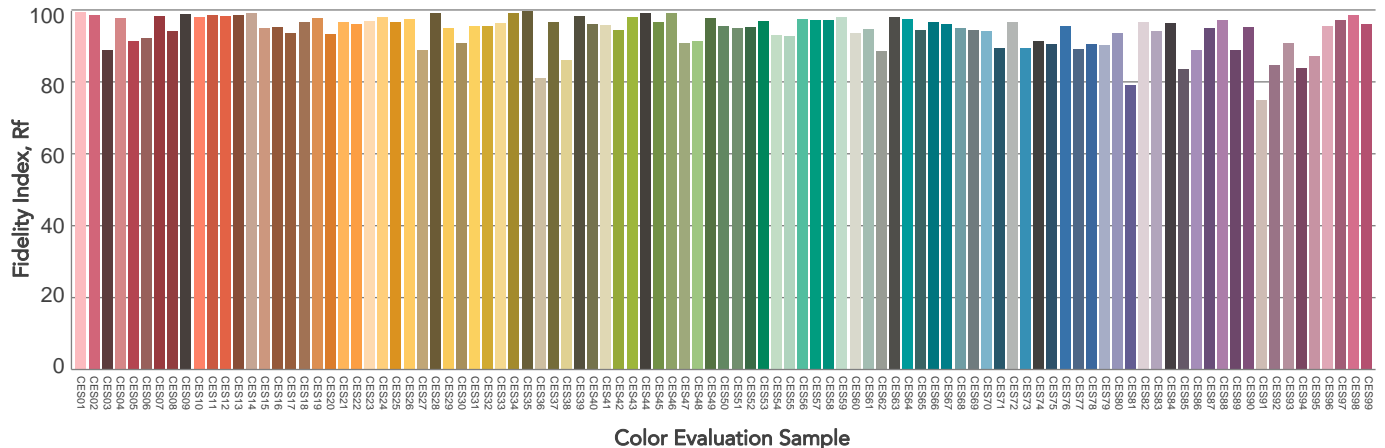
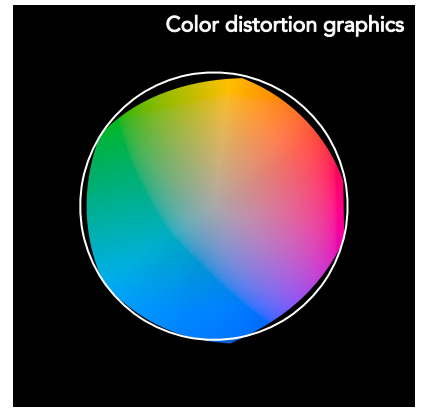
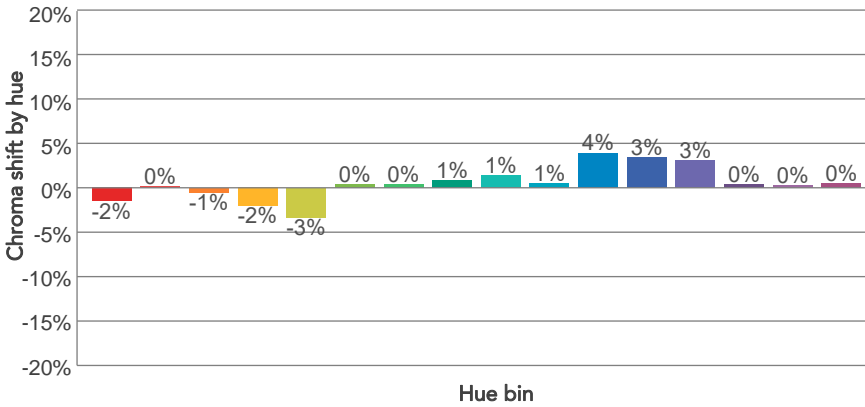
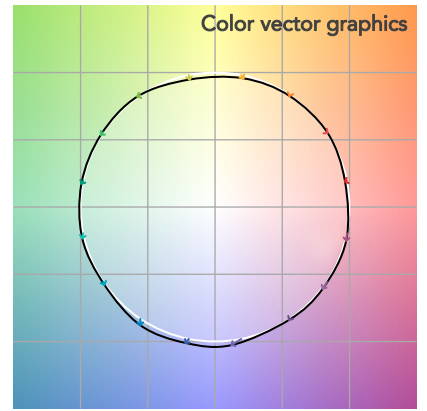
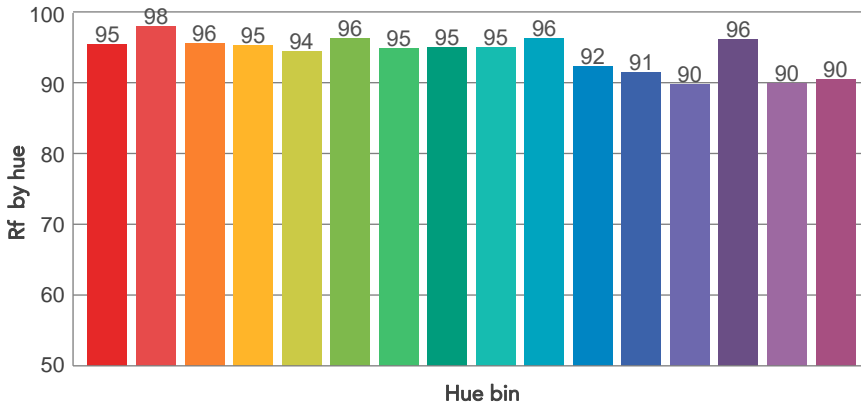
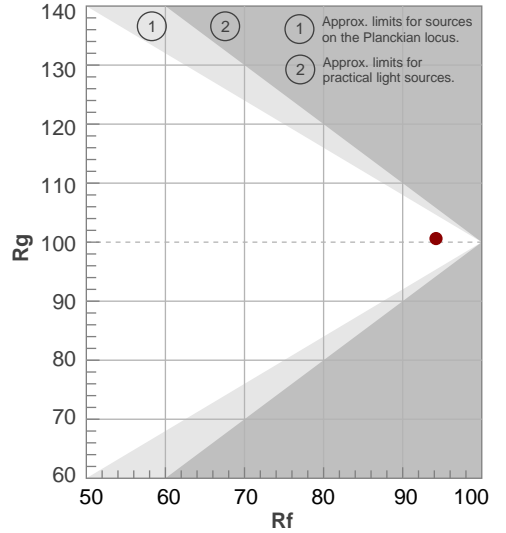
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4096 K	98,0	92,9	94,2	100,6	97,2	90	0,377	0,378	0,0014

TM30 DETAILS

Rf 94,2
Fidelity index Rf

Rg 100,6
Gammut index

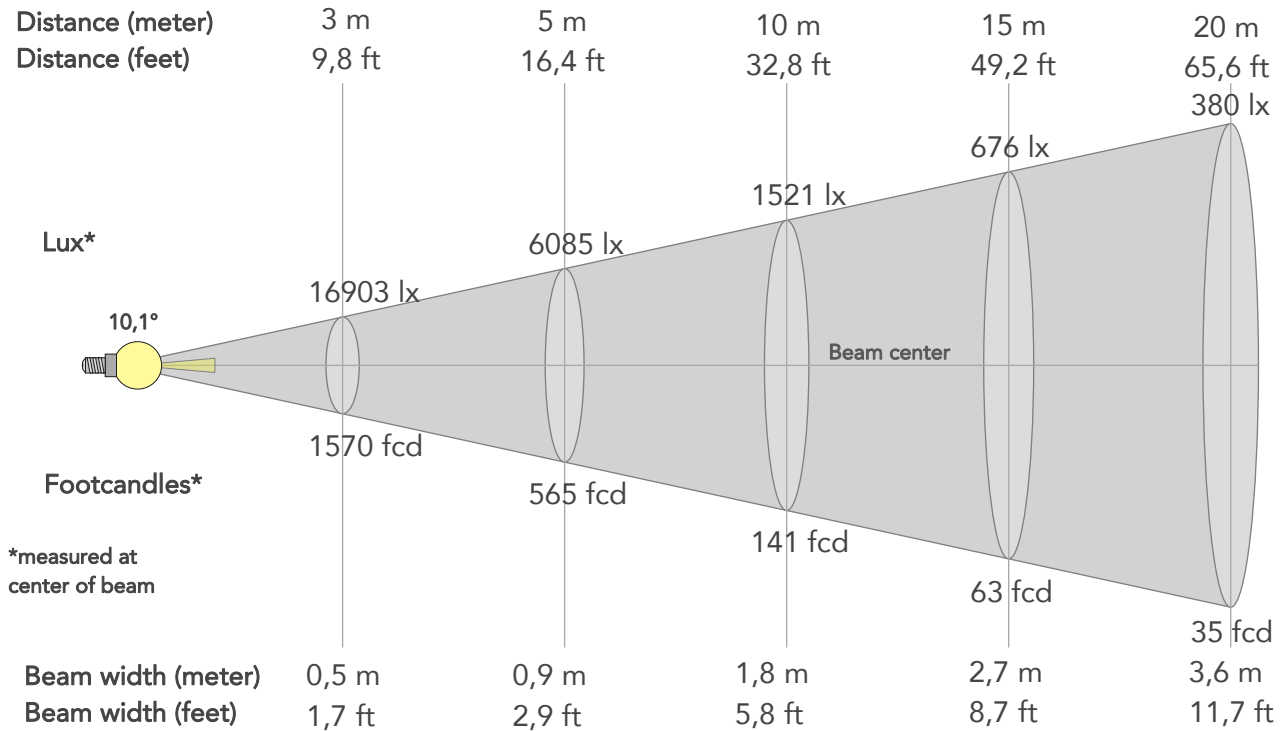
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	98	0%	-1%
3	96	-1%	0%
4	95	-2%	-2%
5	94	-3%	0%
6	96	0%	2%
7	95	0%	2%
8	95	1%	2%
9	95	1%	4%
10	96	1%	2%
11	92	4%	3%
12	91	3%	-2%
13	90	3%	-8%
14	96	0%	-1%
15	90	0%	-6%
16	90	0%	-5%



BEAM DETAILS



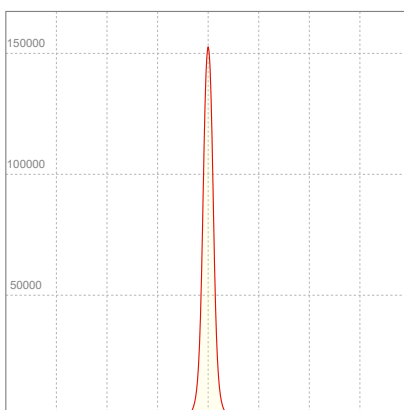
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,1°	18,8°	26,3°	100,0%	100,0%



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	152128lx	38032lx	16903lx	9508lx	6085lx	2704lx	1521lx	676lx	380lx	243lx	169lx	95lx	61lx
Footcand.	14133fcd	3533fcd	1570fcd	883fcd	565fcd	251fcd	141fcd	63fcd	35fcd	23fcd	16fcd	9fcd	6fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,7m	3,6m	4,4m	5,3m	7,1m	8,9m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,4ft	5,8ft	8,7ft	11,7ft	14,6ft	17,5ft	23,3ft	29,1ft

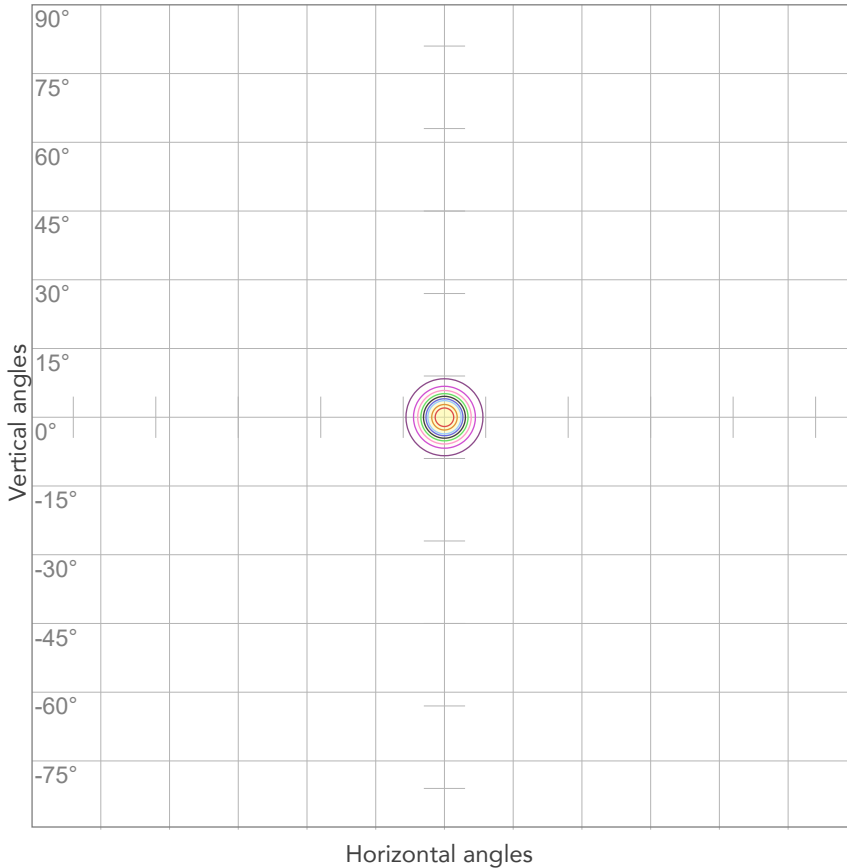
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
223V	2,41A	536,9W	11lm/W

ISO CANDELA DIAGRAM



10%	15213 cd
20%	30426 cd
30%	45638 cd
40%	60851 cd
50%	76064 cd
60%	91277 cd
70%	106489 cd
80%	121702 cd

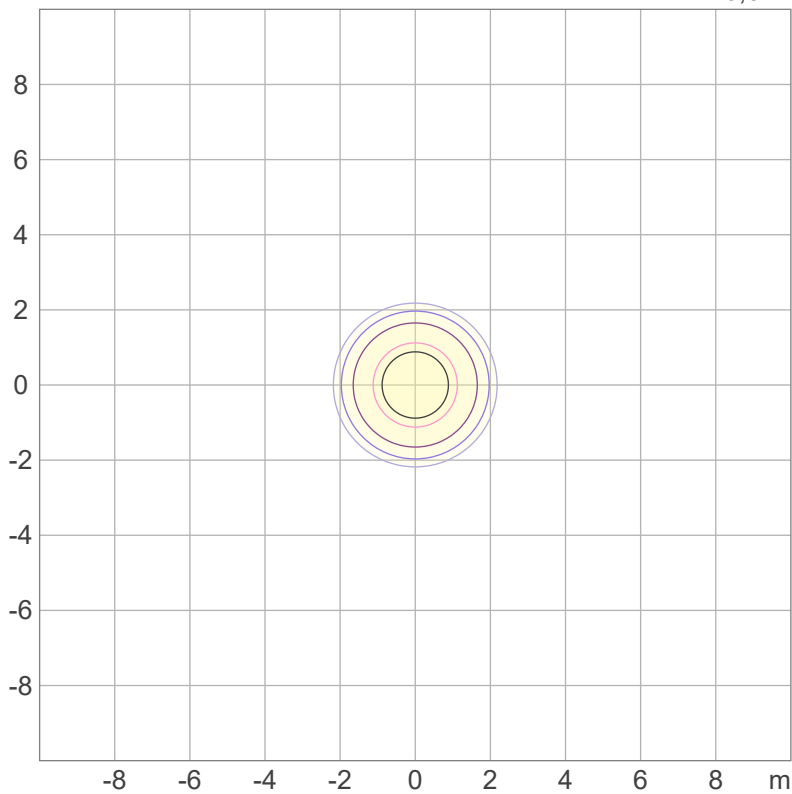
Conditions:

Number of c-planes: 2

Candela at center: 152128 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

3%	45,6 lx
5%	76,1 lx
10%	152 lx
30%	456 lx
50%	761 lx

Conditions:

Number of c-planes: 2

Lux at center: 1521 lx

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



Total lumen output:

8696 lm

Peak candela output:

11522 cd

Light quality:

CRI: 97,5

Color temperature:

5619 K

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

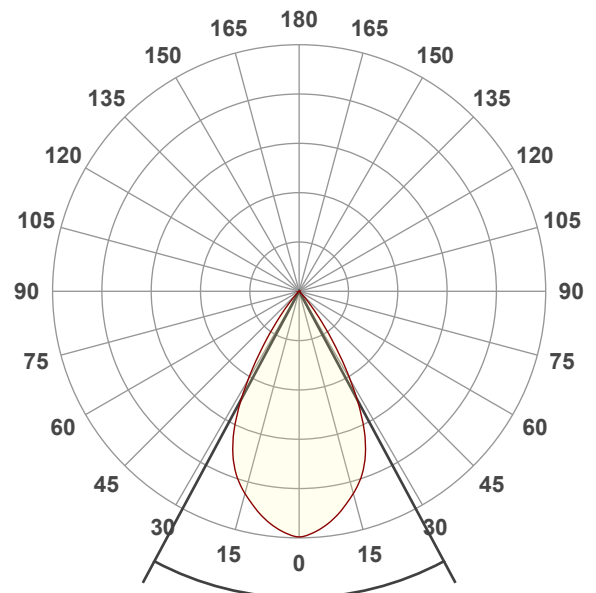
5600K - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 14:28:27

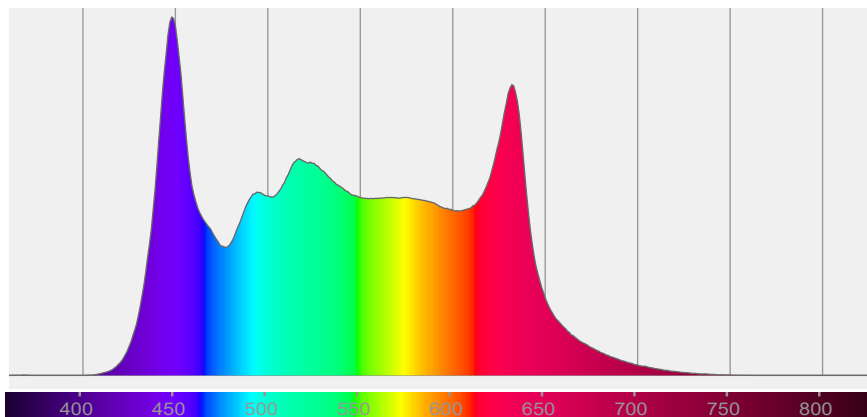


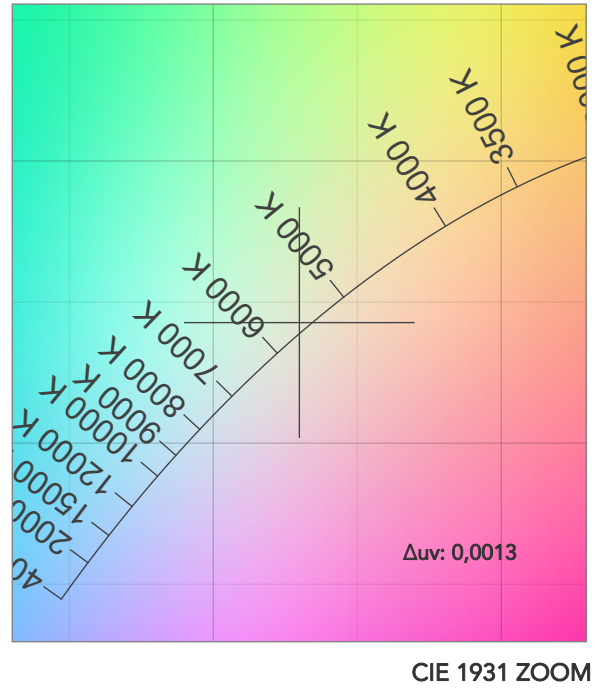
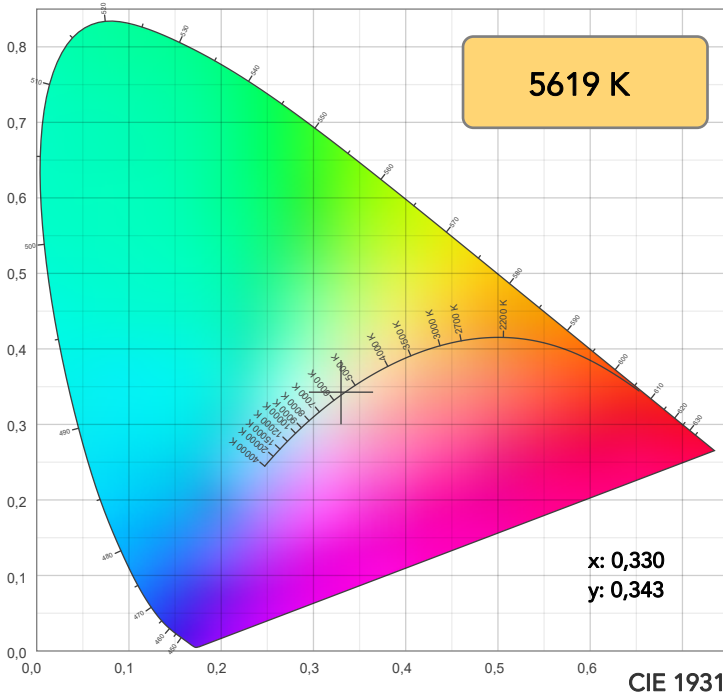
Beam angle 50%: 56,4°

Field angle 10%: 77,1°

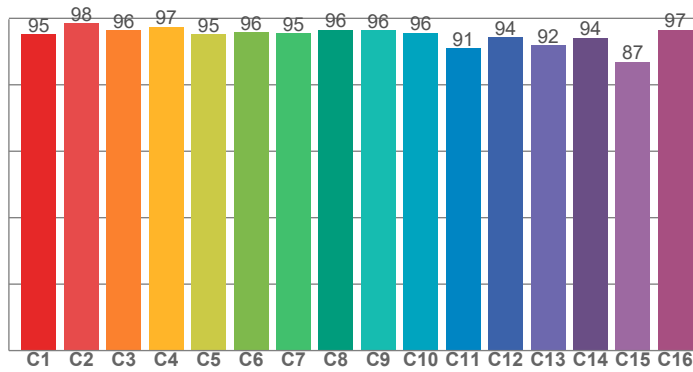
Cut off angle 2.5%: 85,6°

Spectra

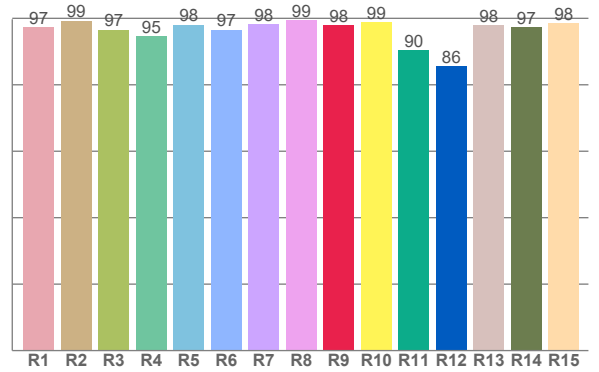




TM30: 94,8



CRI: 97,5 (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
97,2	99,3	96,5	94,7	98,0	96,6	98,3	99,3	97,8	98,8	90,3	85,6	98,0	97,4	98,4

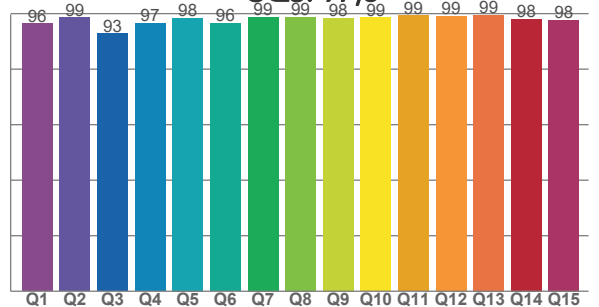
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,2	98,4	96,3	97,4	95,1	95,8	95,5	96,5	96,3	95,6	91,0	94,2	91,8	94,2	87,0	96,6

CQS Q values

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

CQS: 97,3



COLOR PARAMETERS

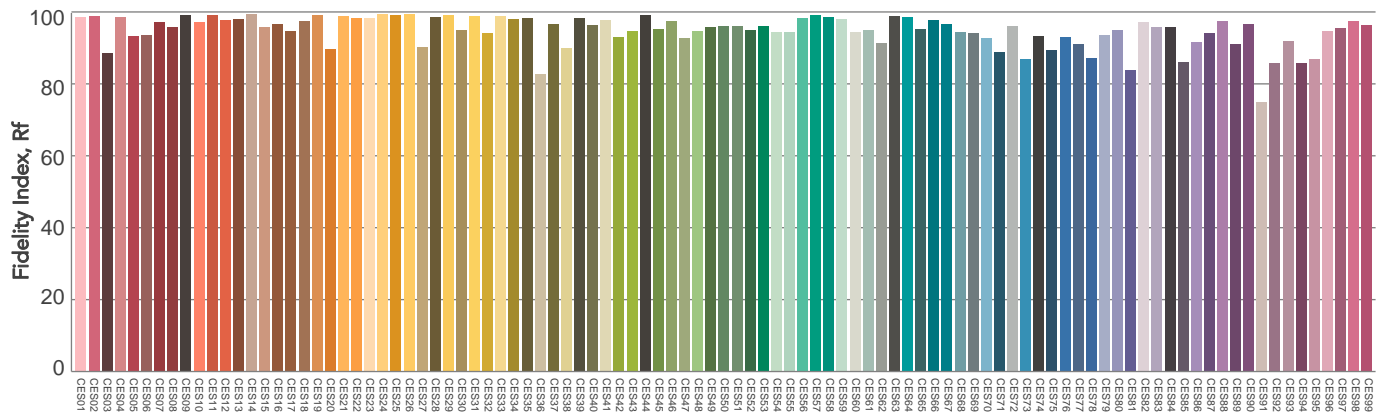
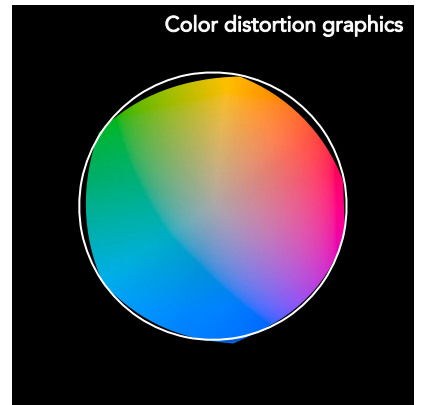
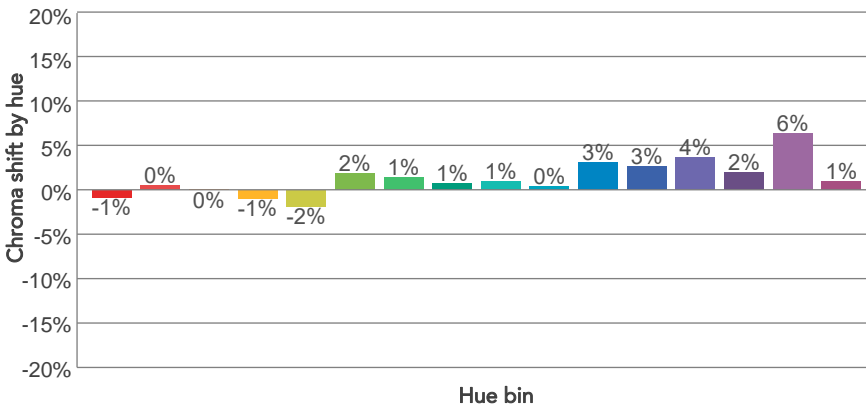
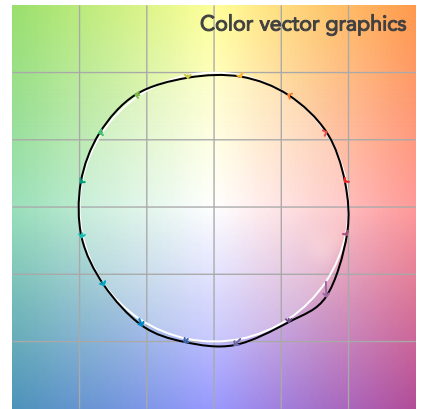
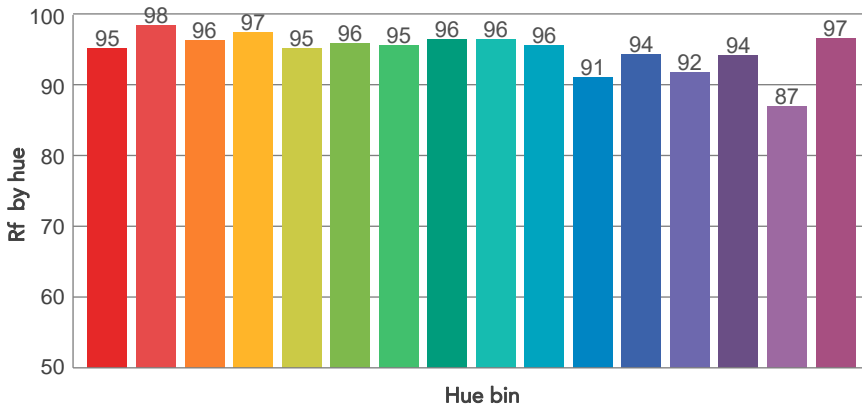
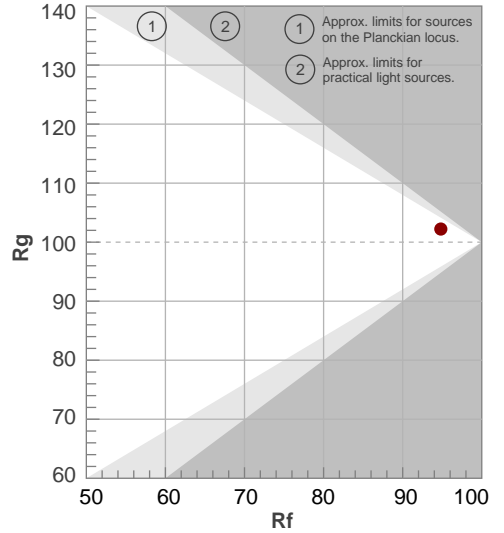
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5619 K	97,5	97,8	94,8	102,2	97,3	94	0,330	0,343	0,0013

TM30 DETAILS

Rf 94,8
Fidelity index Rf

Rg 102,2
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-1%
2	98	0%	0%
3	96	0%	0%
4	97	-1%	-1%
5	95	-2%	0%
6	96	2%	2%
7	95	1%	2%
8	96	1%	1%
9	96	1%	3%
10	96	0%	3%
11	91	3%	4%
12	94	3%	-2%
13	92	4%	-5%
14	94	2%	-1%
15	87	6%	-9%
16	97	1%	-1%

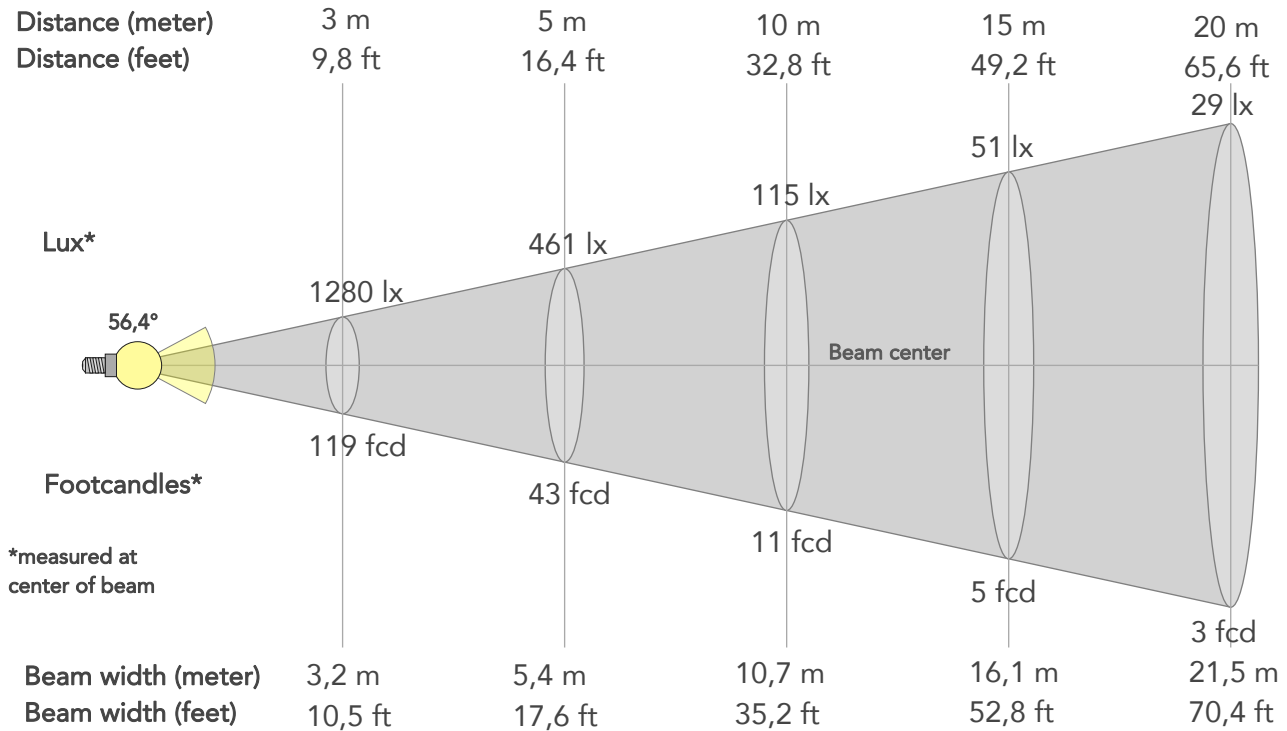


Color Evaluation Sample

BEAM DETAILS



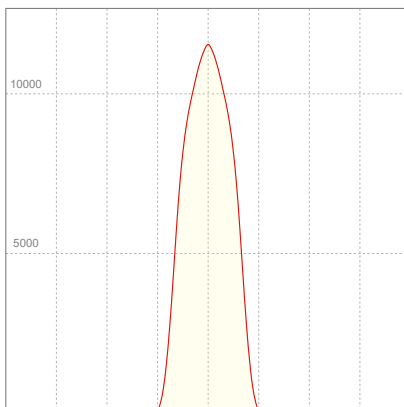
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,4°	77,1°	85,6°	100,0%	99,9%



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	11522lx	2881lx	1280lx	720lx	461lx	205lx	115lx	51lx	29lx	18lx	13lx	7lx	5lx
Footcand.	1070fcd	268fcd	119fcd	67fcd	43fcd	19fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	1,1m	2,1m	3,2m	4,3m	5,4m	8m	10,7m	16,1m	21,5m	26,8m	32,2m	42,9m	53,6m
Beam wid.	3,5ft	7,1ft	10,5ft	14,1ft	17,6ft	26,4ft	35,2ft	52,8ft	70,4ft	88ft	105,5ft	140,7ft	175,9ft

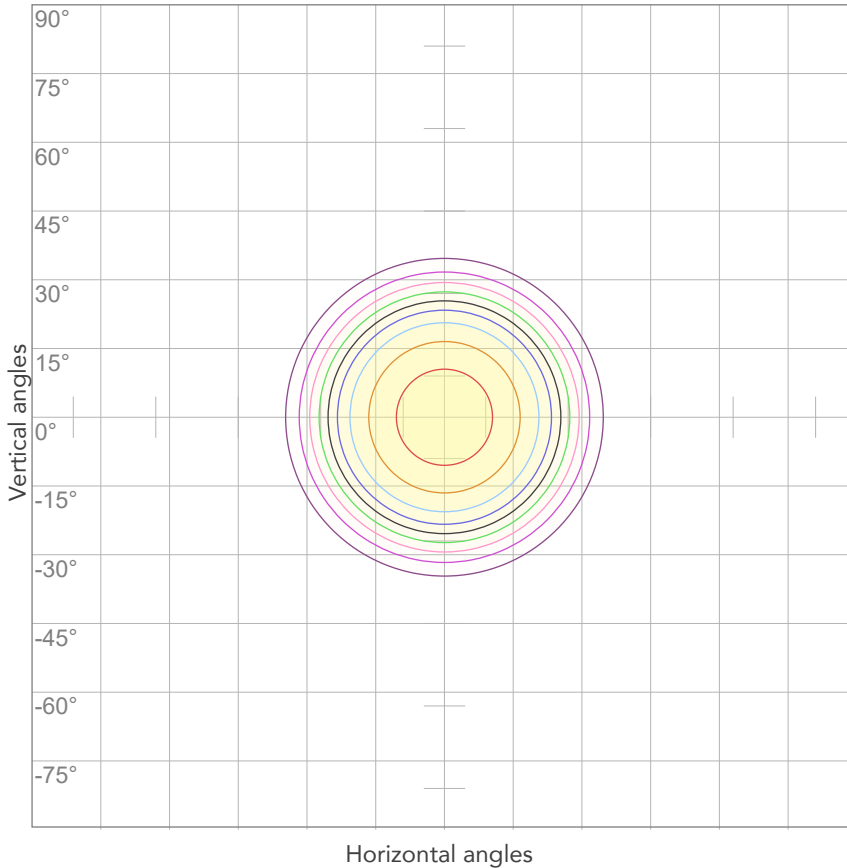
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,46A	327,9W	27lm/W

ISO CANDELA DIAGRAM



10%	1152 cd
20%	2304 cd
30%	3457 cd
40%	4609 cd
50%	5761 cd
60%	6913 cd
70%	8066 cd
80%	9218 cd

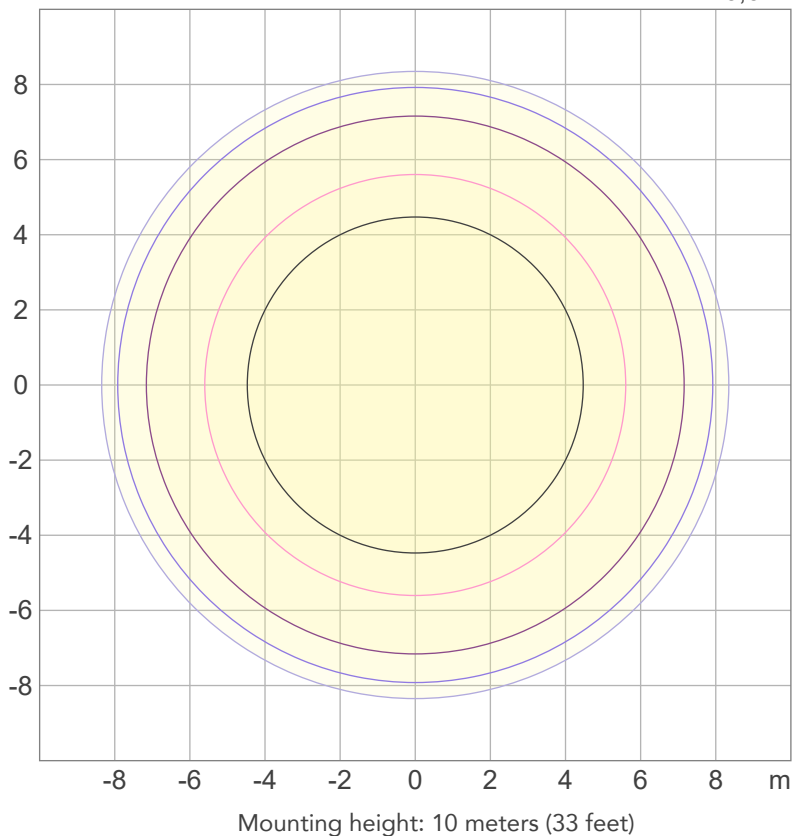
Conditions:

Number of c-planes: 2

Candela at center: 11522 cd

ISO LUX DIAGRAM

MH: 10,0 m



3%	3,46 lx
5%	5,76 lx
10%	11,5 lx
30%	34,6 lx
50%	57,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 115 lx

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



Total lumen output:

7103 lm

Peak candela output:

37462 cd

Light quality:

CRI: 97,7

Color temperature:

5689 K

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

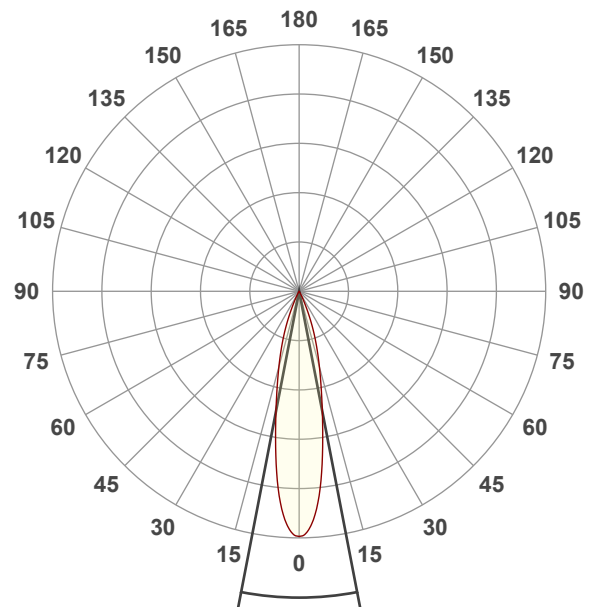
5600K - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 13:27:48

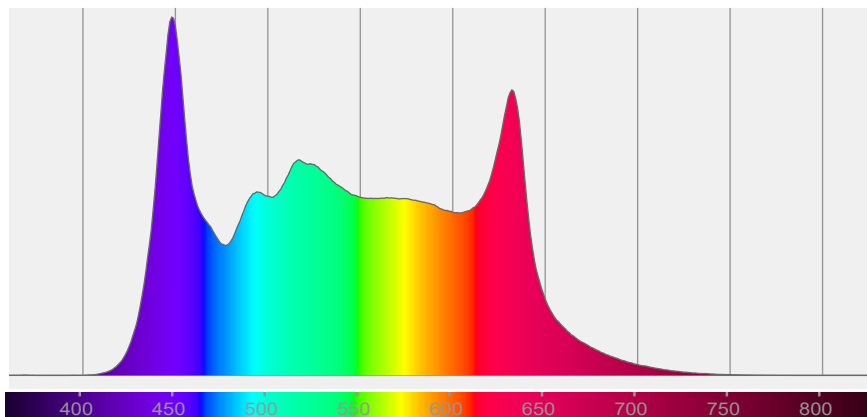


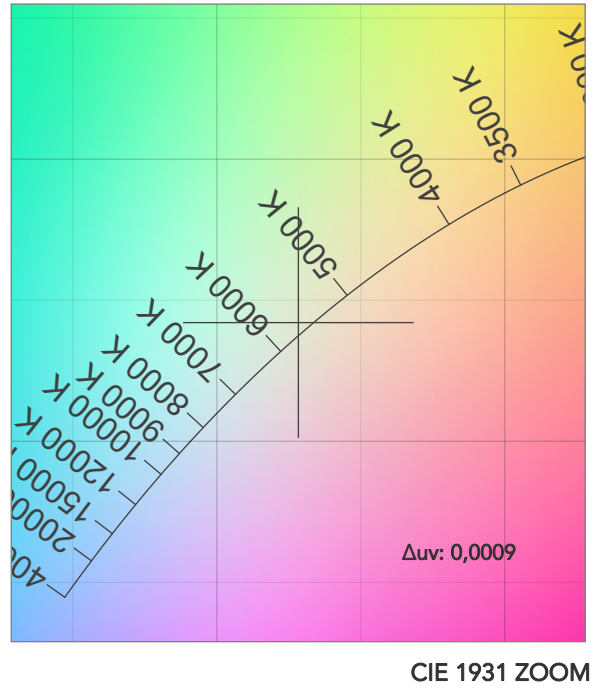
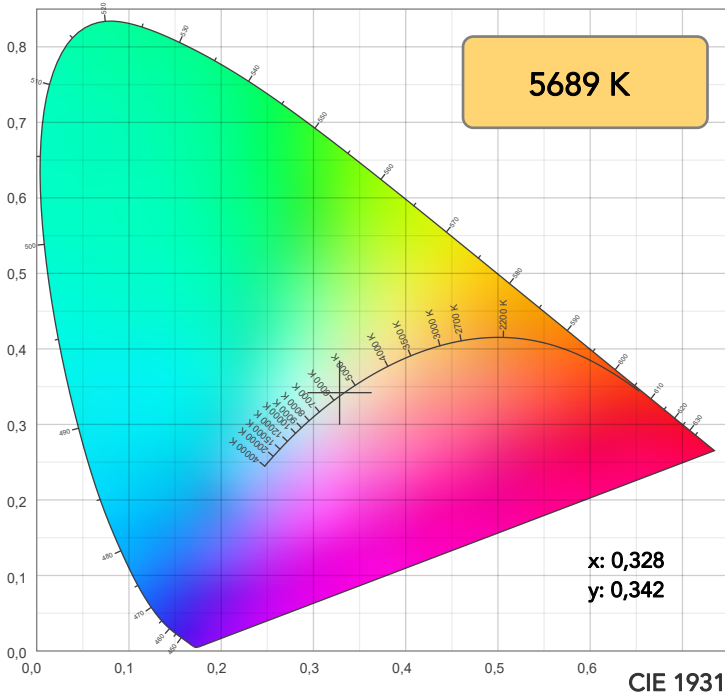
Beam angle 50%: 21,8°

Field angle 10%: 45°

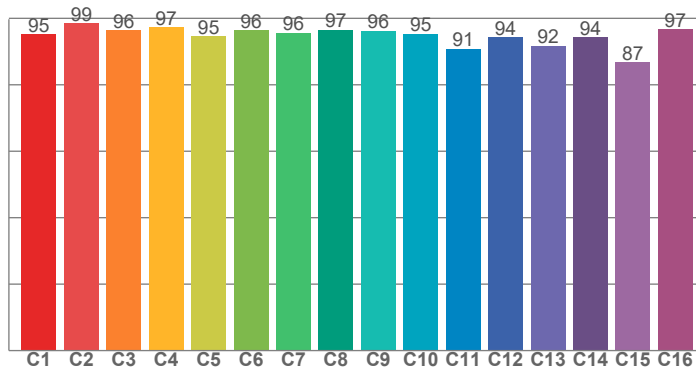
Cut off angle 2.5%: 54,1°

Spectra

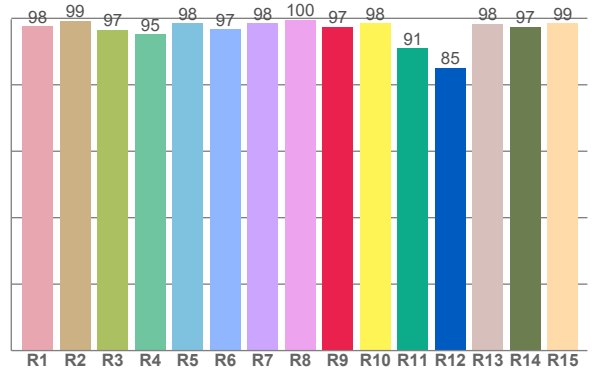




TM30: 94,8



CRI: 97,7 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,6	99,3	96,6	95,2	98,5	96,7	98,4	99,5	97,5	98,5	91,0	85,1	98,3	97,5	98,6

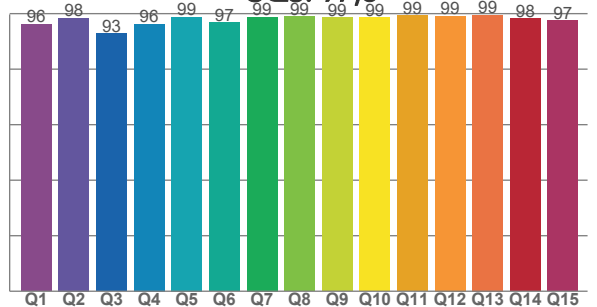
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,2	98,5	96,3	97,3	94,6	96,4	95,7	96,6	96,2	95,3	90,9	94,2	91,7	94,3	86,8	96,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,1	98,5	92,9	96,2	98,7	96,8	98,7	99,0	98,6	98,6	99,3	99,2	99,4	98,2	97,5

CQS: 97,3



COLOR PARAMETERS

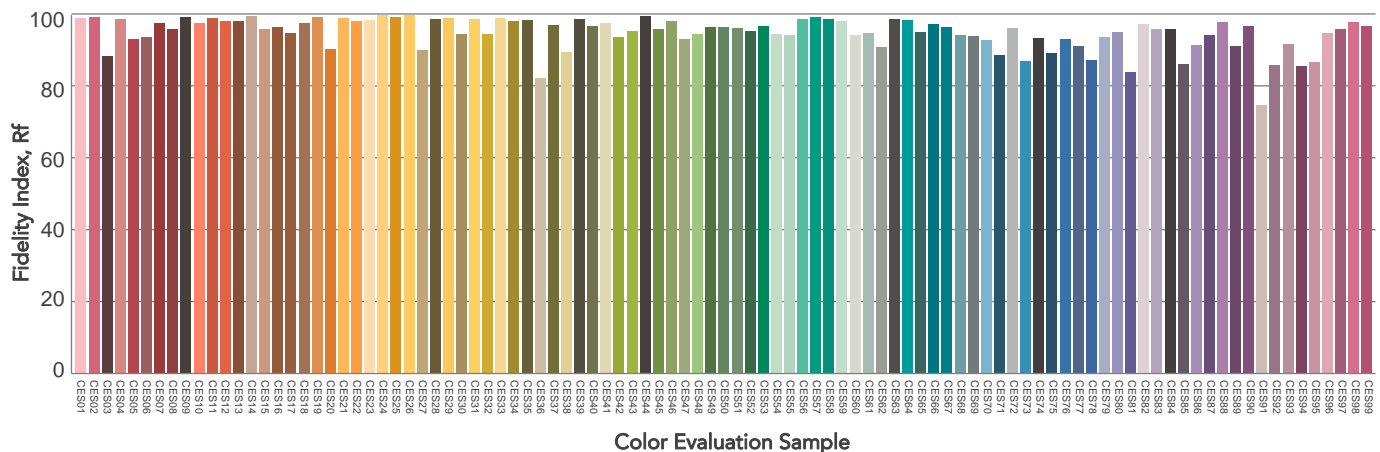
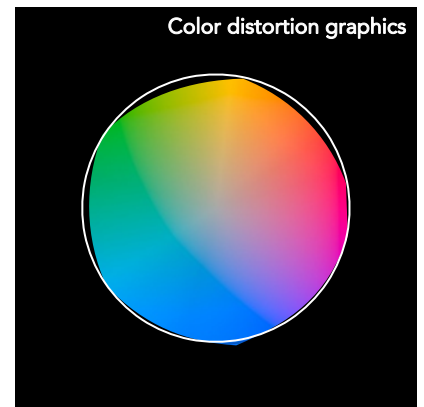
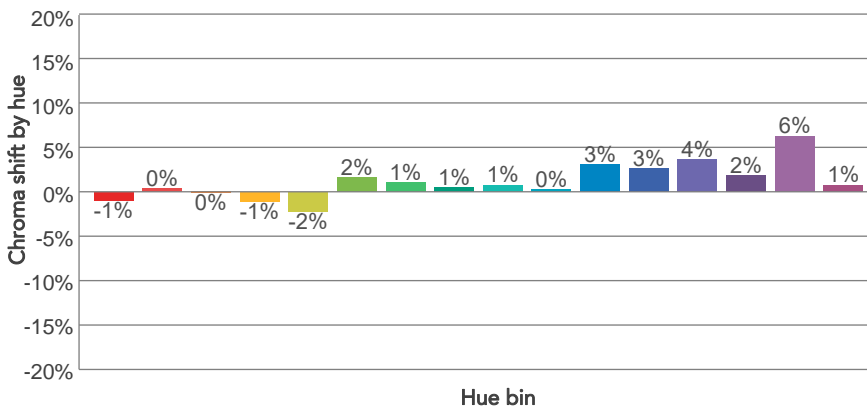
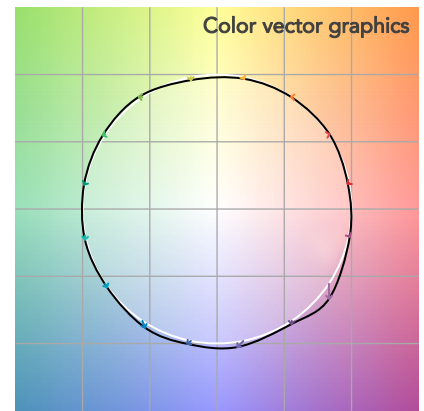
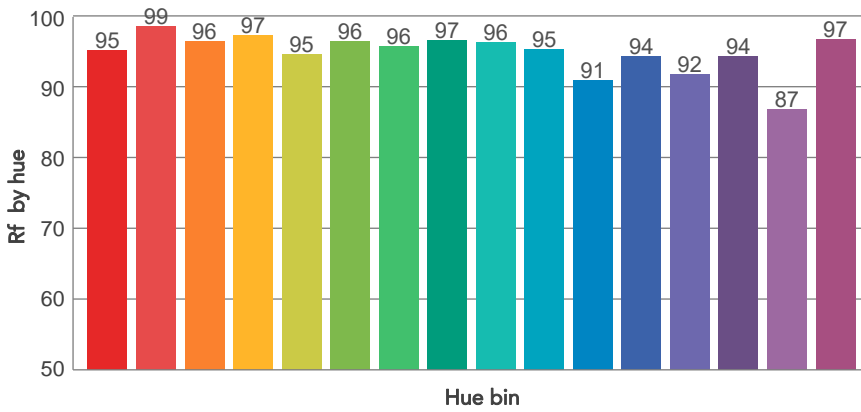
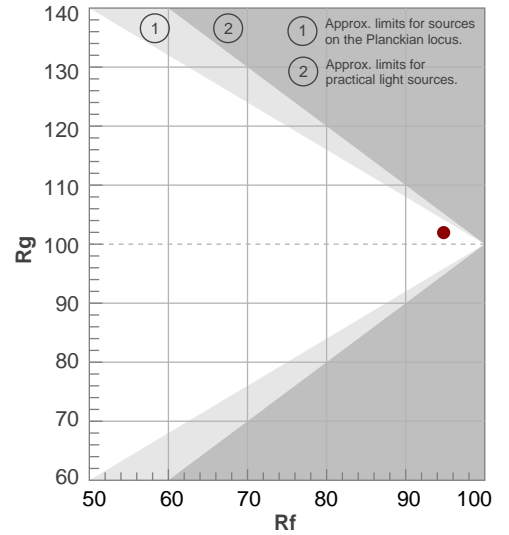
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5689 K	97,7	97,5	94,8	102,0	97,3	95	0,328	0,342	0,0009

TM30 DETAILS

Rf 94,8
Fidelity index Rf

Rg 102,0
Gammut index

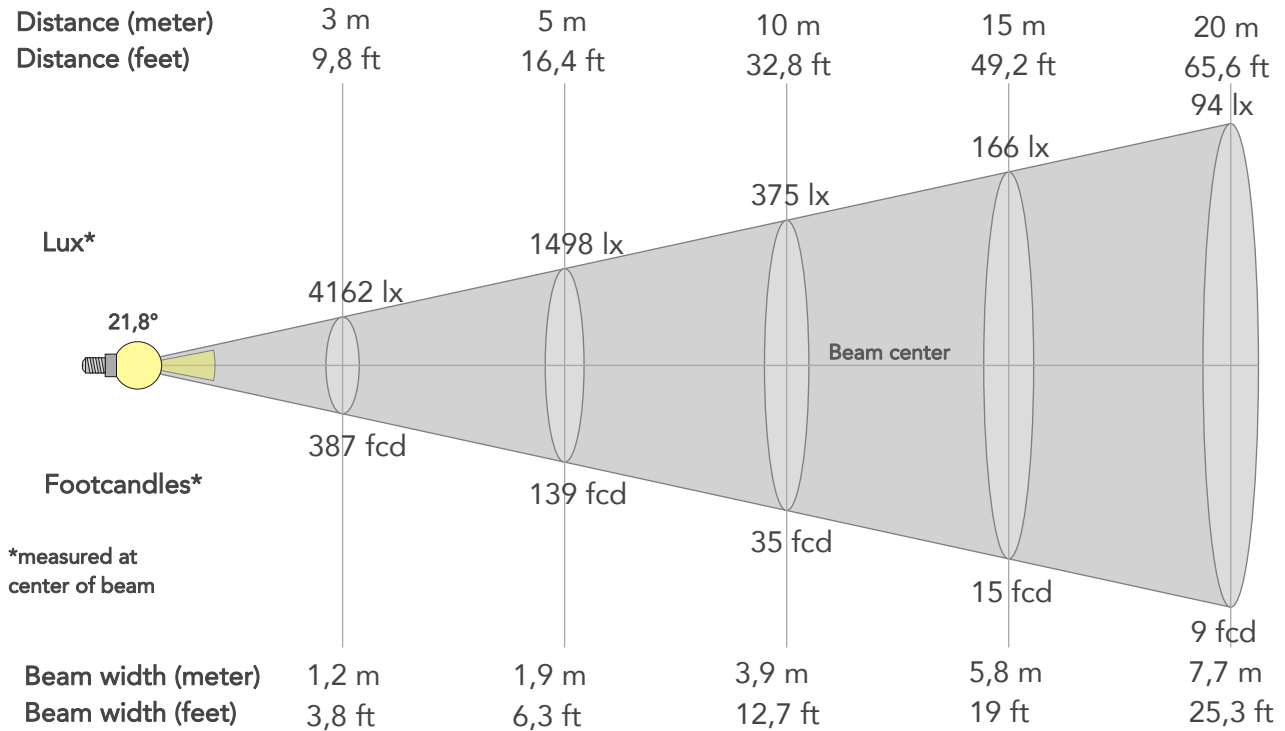
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-1%
2	99	0%	0%
3	96	0%	0%
4	97	-1%	-1%
5	95	-2%	0%
6	96	2%	2%
7	96	1%	2%
8	97	1%	2%
9	96	1%	3%
10	95	0%	3%
11	91	3%	4%
12	94	3%	-2%
13	92	4%	-5%
14	94	2%	-1%
15	87	6%	-9%
16	97	1%	-1%



BEAM DETAILS



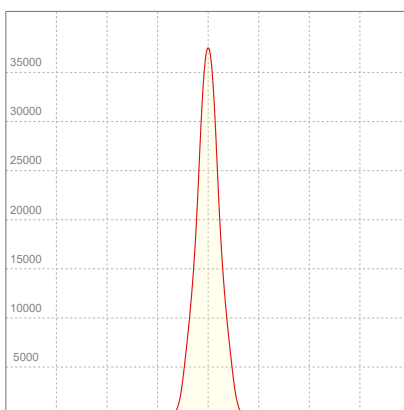
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,8°	45°	54,1°	100,0%	100,0%



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	37462lx	9365lx	4162lx	2341lx	1498lx	666lx	375lx	166lx	94lx	60lx	42lx	23lx	15lx
Footcand.	3480fcd	870fcd	387fcd	218fcd	139fcd	62fcd	35fcd	15fcd	9fcd	6fcd	4fcd	2fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,5m	1,9m	2,9m	3,9m	5,8m	7,7m	9,6m	11,6m	15,4m	19,3m
Beam wid.	1,3ft	2,5ft	3,8ft	5,1ft	6,3ft	9,5ft	12,7ft	19ft	25,3ft	31,6ft	38ft	50,6ft	63,3ft

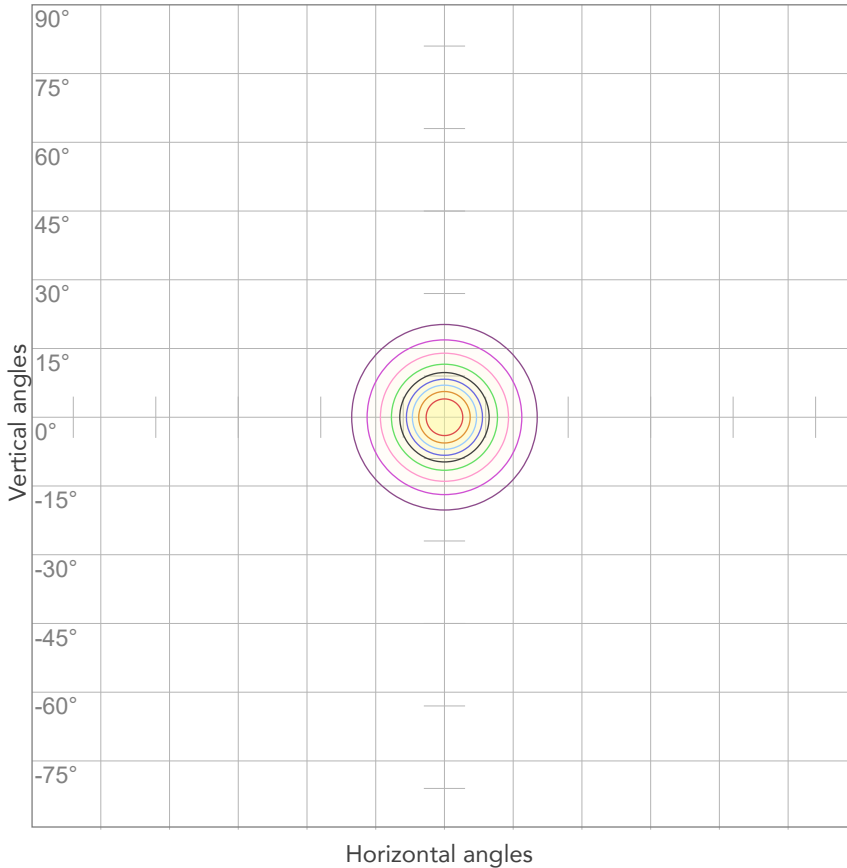
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	1,45A	327,4W	22lm/W

ISO CANDELA DIAGRAM



10%	3746 cd
20%	7492 cd
30%	11238 cd
40%	14985 cd
50%	18731 cd
60%	22477 cd
70%	26223 cd
80%	29969 cd

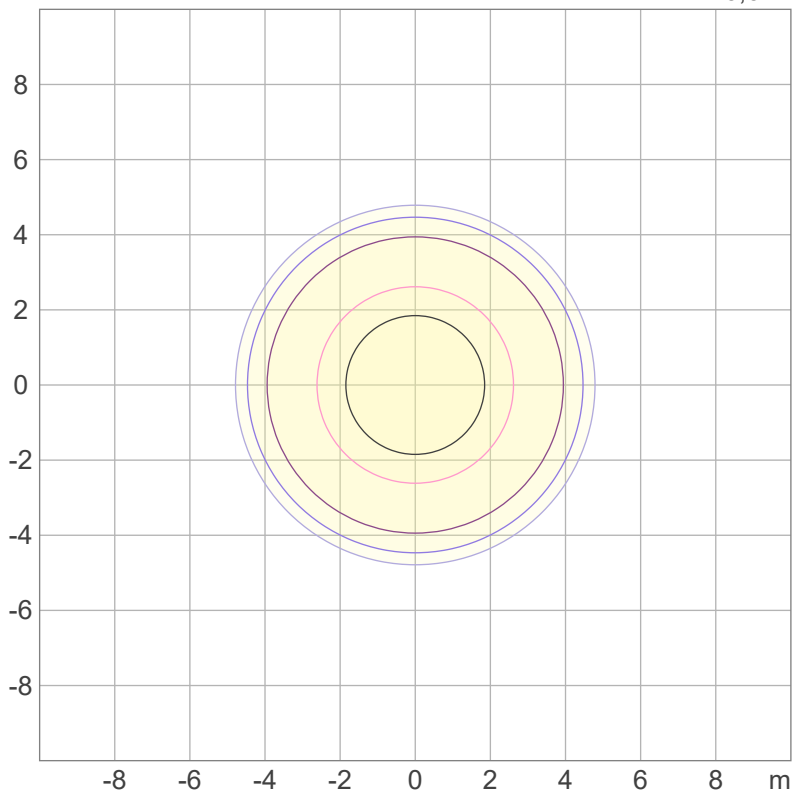
Conditions:

Number of c-planes: 2

Candela at center: 37462 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

3%	11,2 lx
5%	18,7 lx
10%	37,5 lx
30%	112 lx
50%	187 lx

Conditions:

Number of c-planes: 2

Lux at center: 375 lx

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



Total lumen output:

3902 lm

Peak candela output:

101568 cd

Light quality:

CRI: 97,8

Color temperature:

5584 K

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

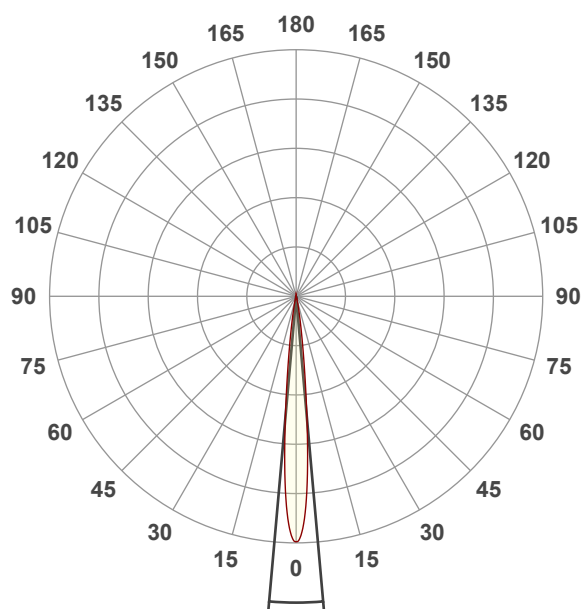
5600K - HQ

Operator:

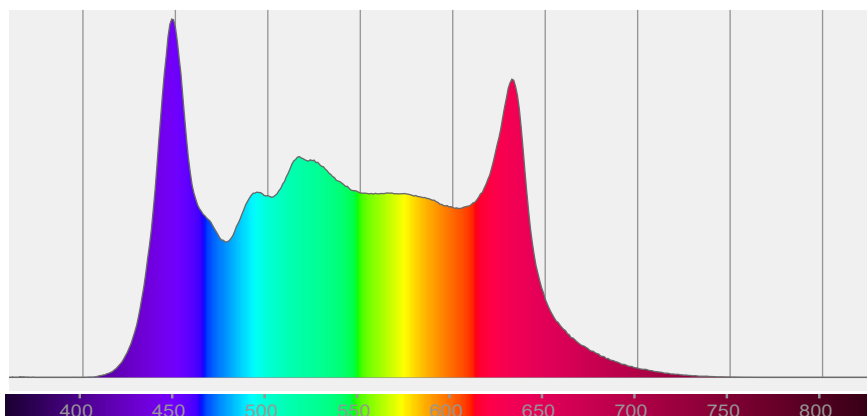
Salvatore Giglio

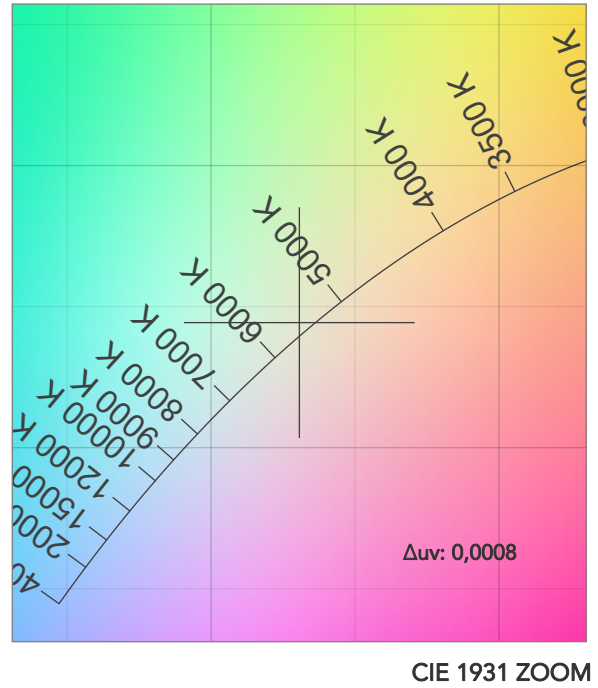
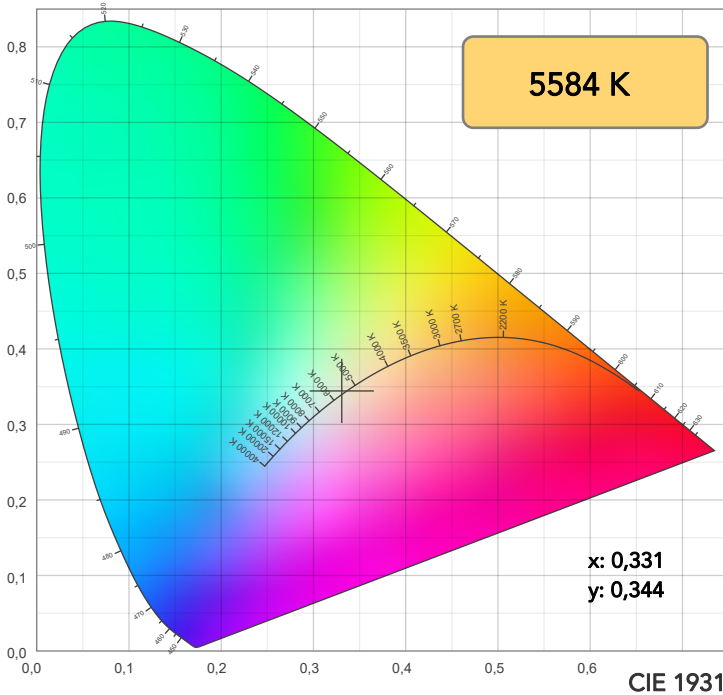
Date and time:

21/09/2023 12:36:21

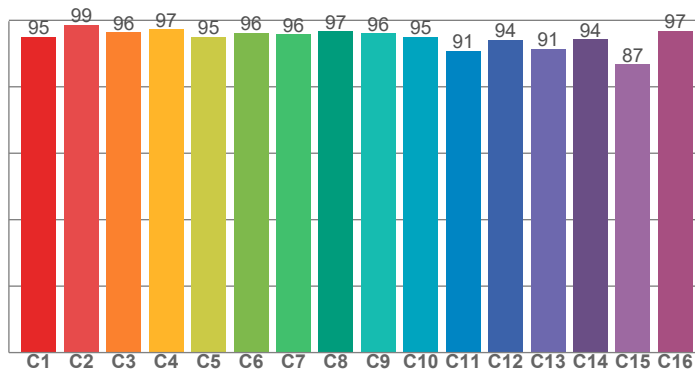


Spectra

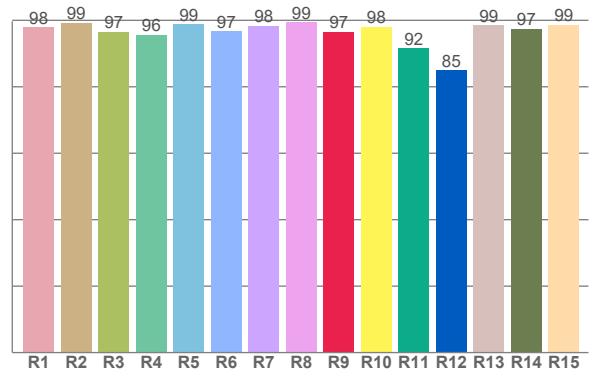




TM30: 94,8



CRI: 97,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,9	99,3	96,6	95,7	98,8	96,7	98,4	99,4	96,6	98,1	91,6	85,0	98,6	97,4	98,7

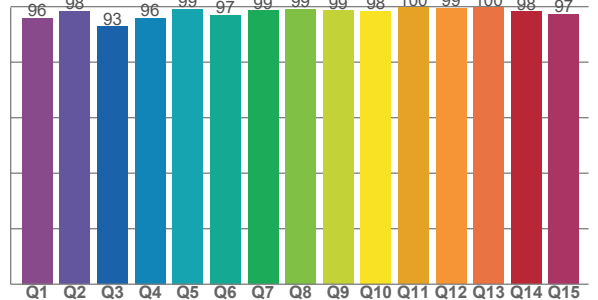
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,1	98,6	96,4	97,3	95,0	96,2	95,8	96,6	96,1	95,0	90,9	94,1	91,5	94,3	86,7	96,8

CQS Q values

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

CQS: 97,2



COLOR PARAMETERS

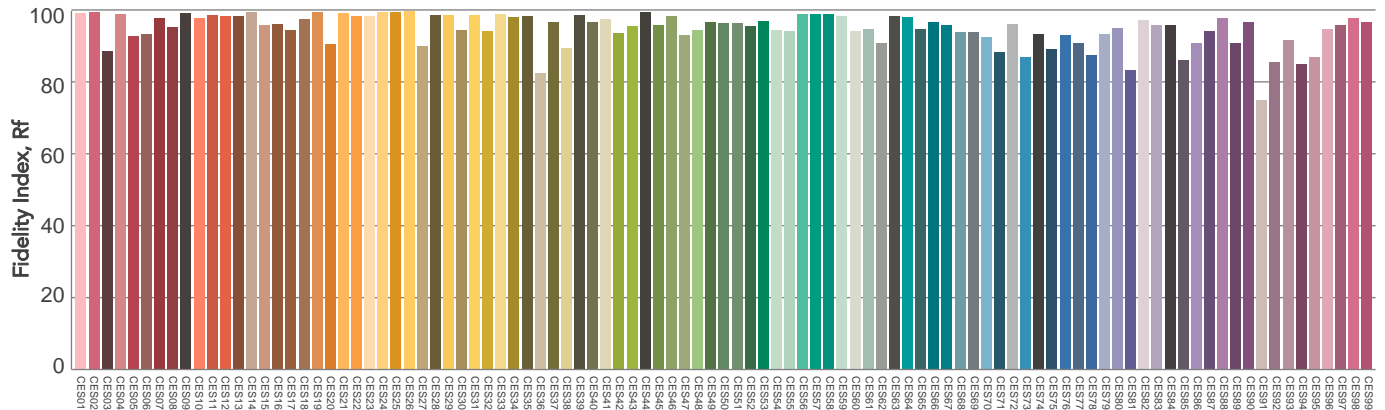
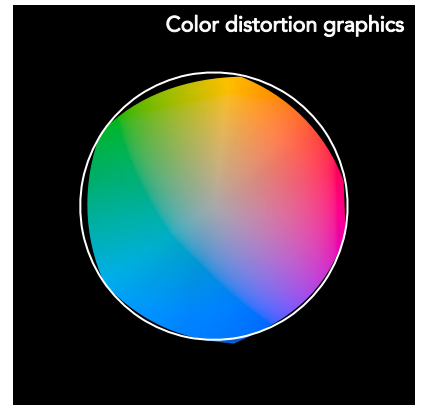
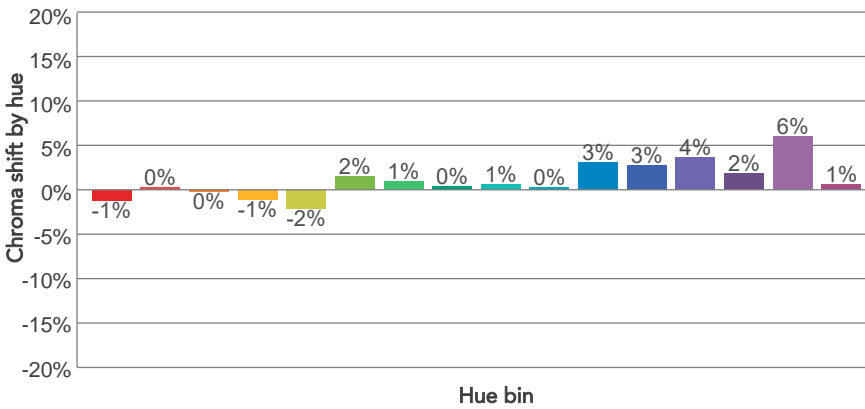
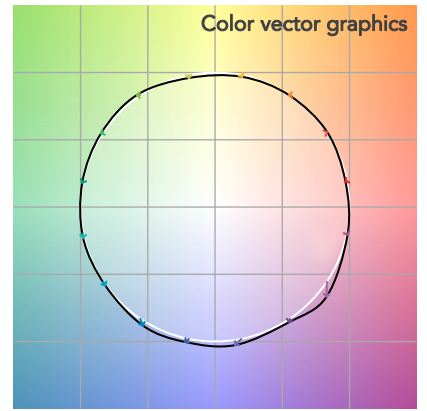
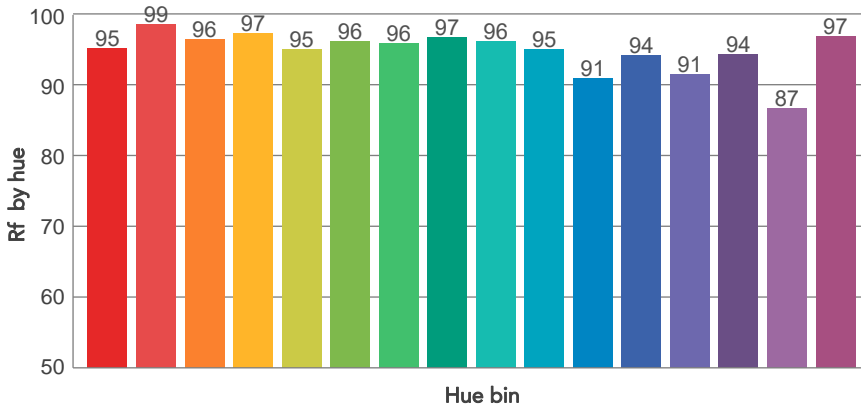
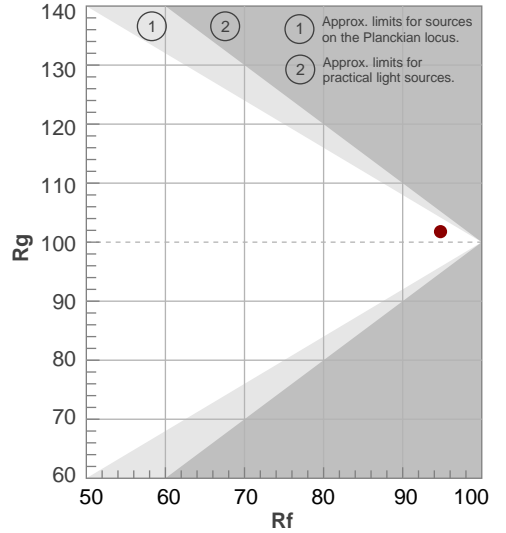
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5584 K	97,8	96,6	94,8	101,8	97,2	94	0,331	0,344	0,0008

TM30 DETAILS

Rf 94,8
Fidelity index Rf

Rg 101,8
Gammut index

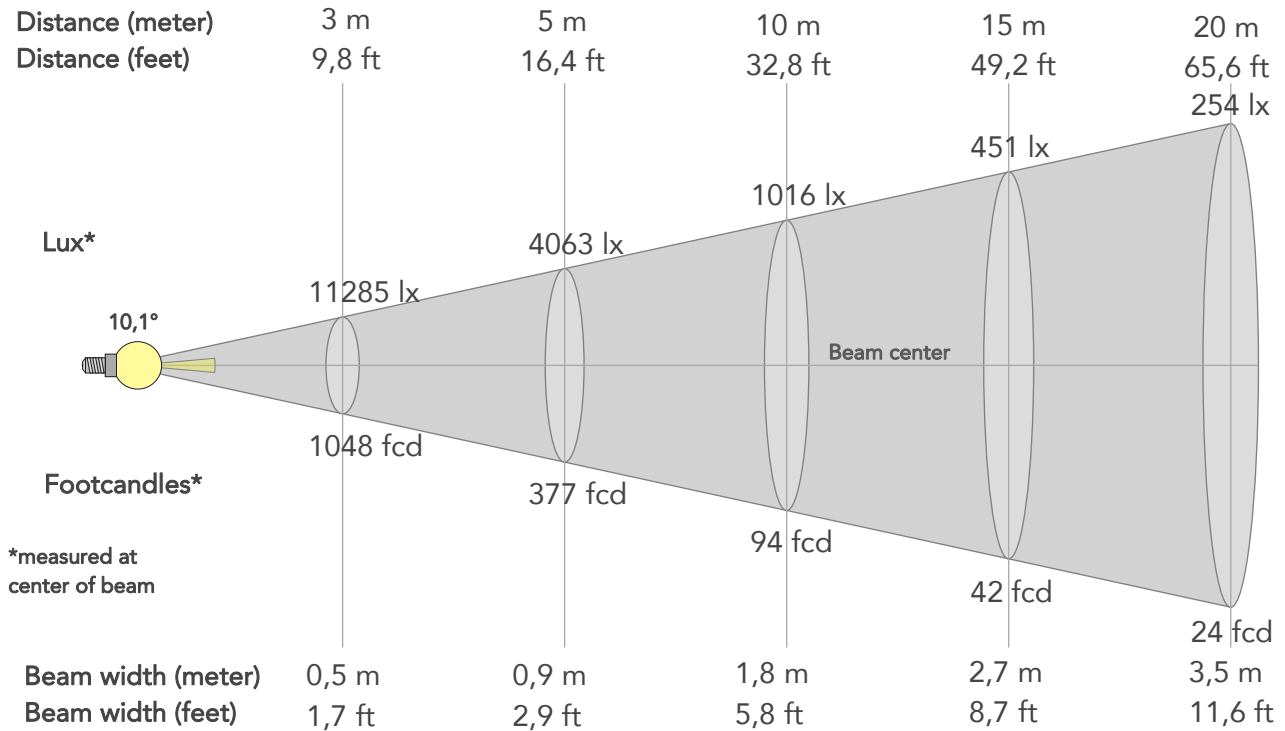
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-1%
2	99	0%	0%
3	96	0%	0%
4	97	-1%	-1%
5	95	-2%	0%
6	96	2%	2%
7	96	1%	2%
8	97	0%	2%
9	96	1%	3%
10	95	0%	3%
11	91	3%	4%
12	94	3%	-2%
13	91	4%	-5%
14	94	2%	-2%
15	87	6%	-9%
16	97	1%	-1%



BEAM DETAILS



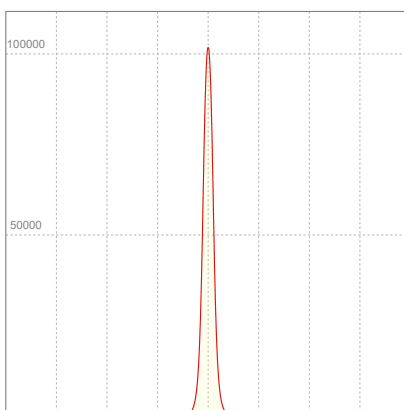
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,1°	18,7°	26,2°	100,0%	100,0%



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	101568lx	25392lx	11285lx	6348lx	4063lx	1806lx	1016lx	451lx	254lx	163lx	113lx	63lx	41lx
Footcand.	9436fcd	2359fcd	1048fcd	590fcd	377fcd	168fcd	94fcd	42fcd	24fcd	15fcd	10fcd	6fcd	4fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,7m	3,5m	4,4m	5,3m	7,1m	8,9m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,4ft	5,8ft	8,7ft	11,6ft	14,5ft	17,4ft	23,2ft	29ft

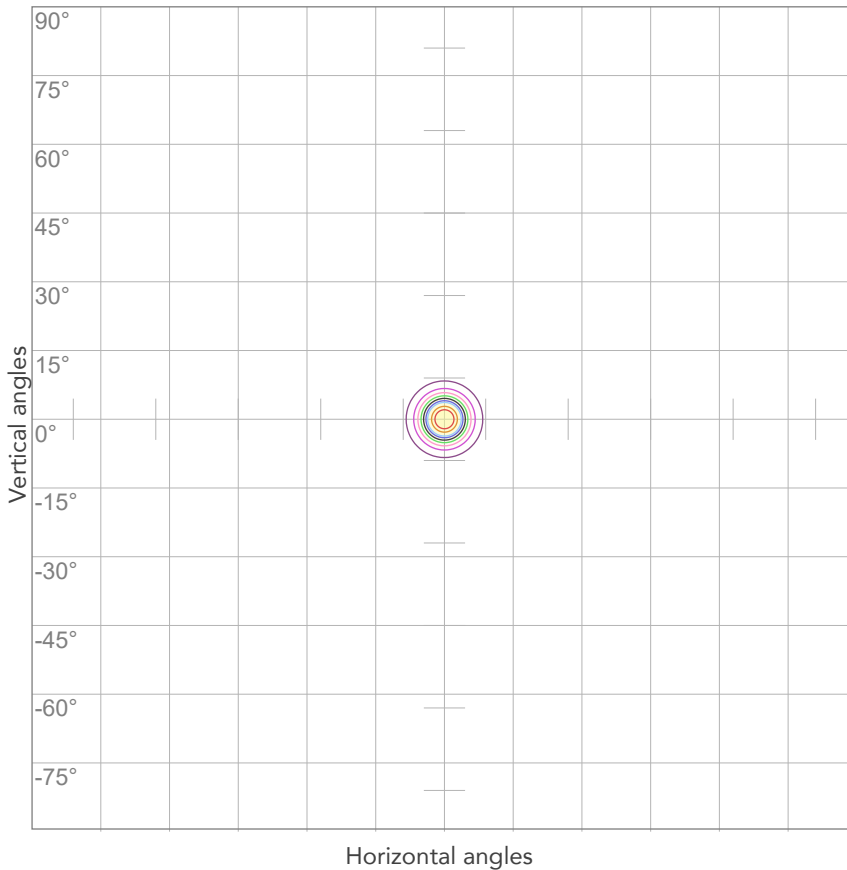
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	1,52A	338,2W	12lm/W

ISO CANDELA DIAGRAM



10%	10157 cd
20%	20314 cd
30%	30470 cd
40%	40627 cd
50%	50784 cd
60%	60941 cd
70%	71098 cd
80%	81255 cd

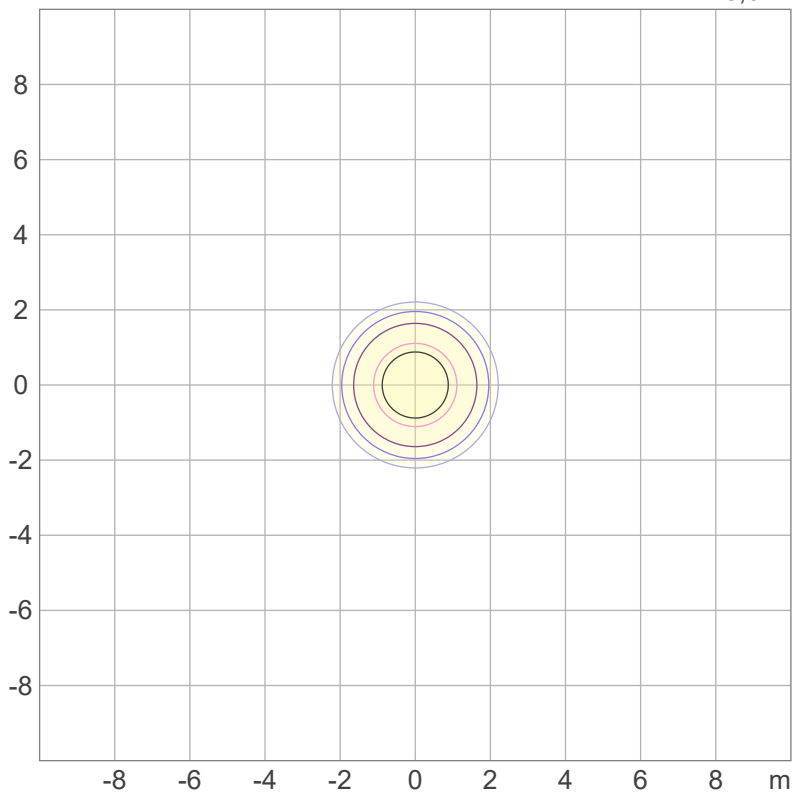
Conditions:

Number of c-planes: 2

Candela at center: 101568 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

3%	30,5 lx
5%	50,8 lx
10%	102 lx
30%	305 lx
50%	508 lx

Conditions:

Number of c-planes: 2

Lux at center: 1016 lx

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



Total lumen output:

8107 lm

Peak candela output:

10564 cd

Light quality:

CRI: 97,7

Color temperature:

6058 K

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

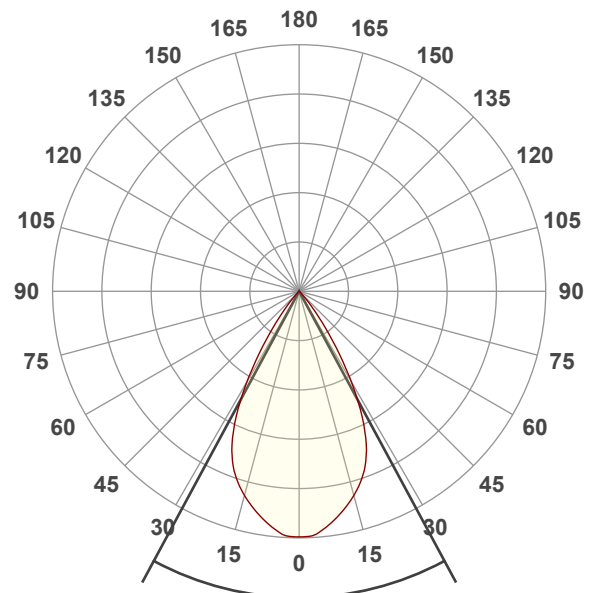
6000K - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 14:32:28

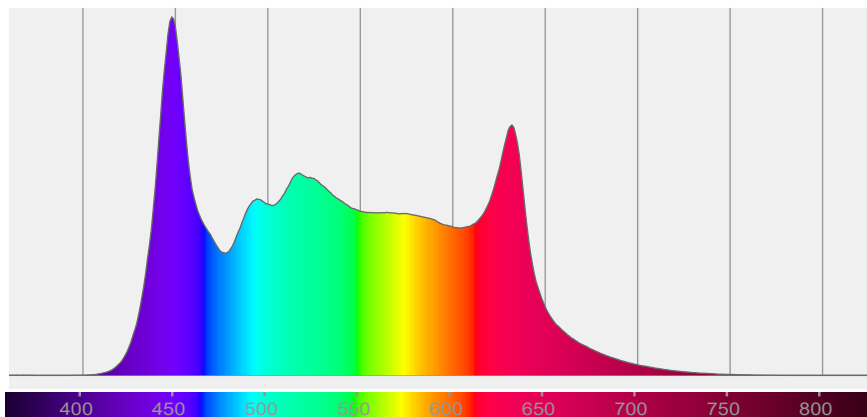


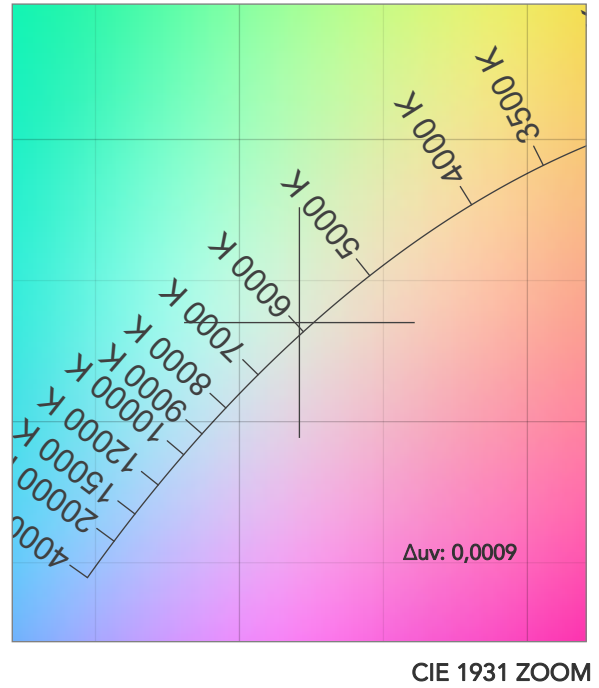
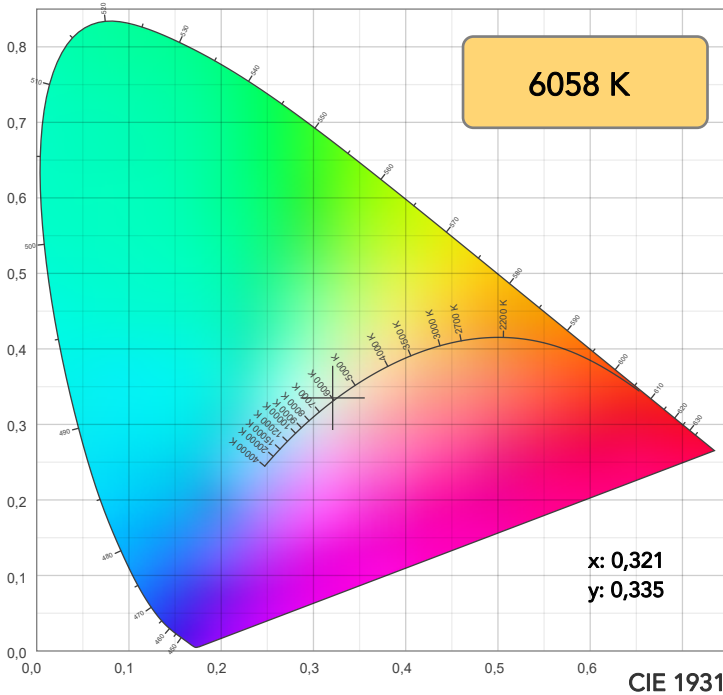
Beam angle 50%: 56,6°

Field angle 10%: 77,1°

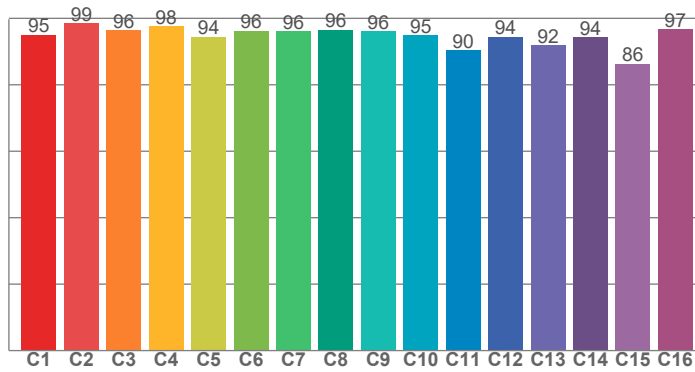
Cut off angle 2.5%: 86,7°

Spectra

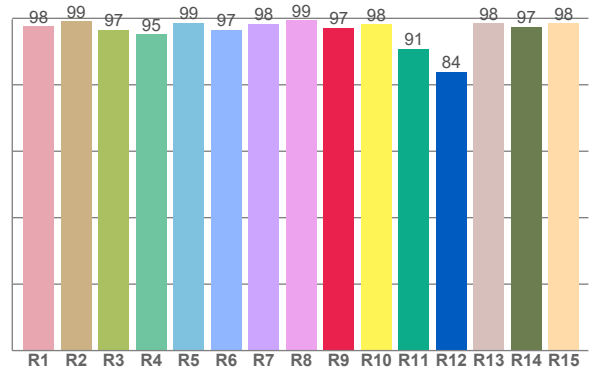




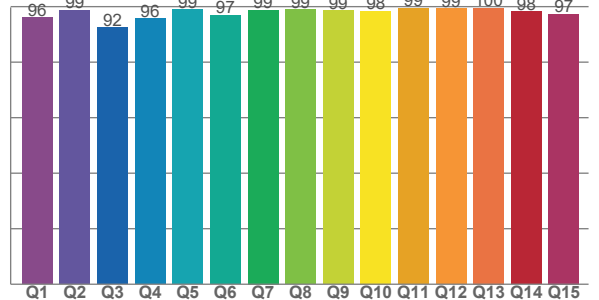
TM30: 94,7



CRI: 97,7 (R1-R8)



CQS: 97,1



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,7	99,2	96,5	95,2	98,6	96,6	98,4	99,5	97,2	98,3	90,8	84,0	98,4	97,5	98,5

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,1	98,5	96,3	97,6	94,4	96,2	96,0	96,5	96,0	94,9	90,3	94,4	91,8	94,2	86,3	96,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,1	98,7	92,4	95,7	98,9	96,9	98,8	99,0	98,5	98,5	99,4	99,3	99,6	98,2	97,4

COLOR PARAMETERS

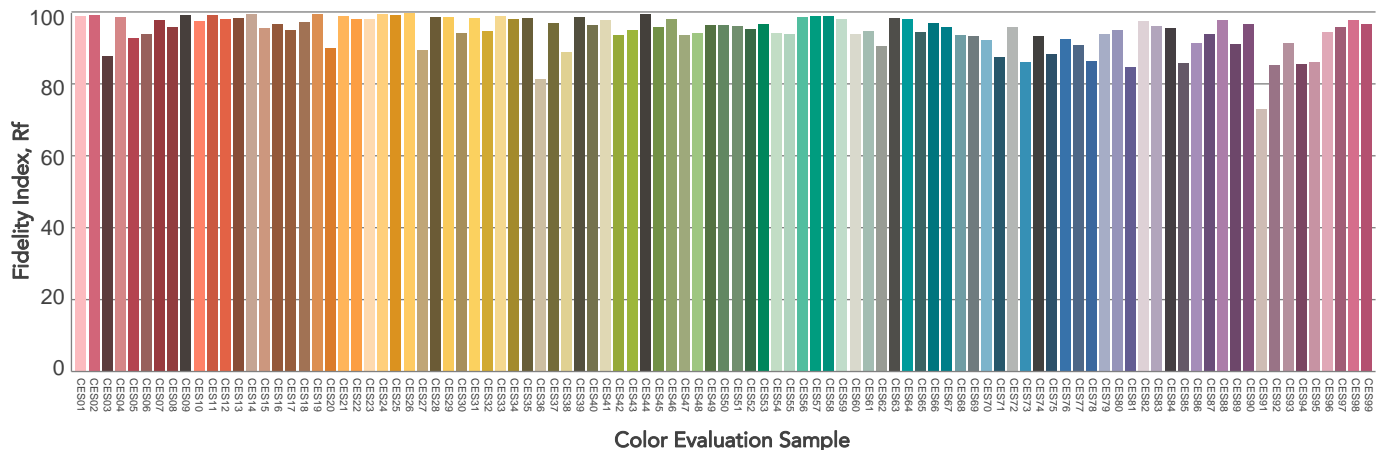
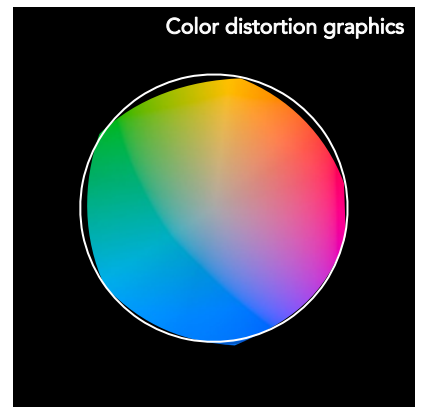
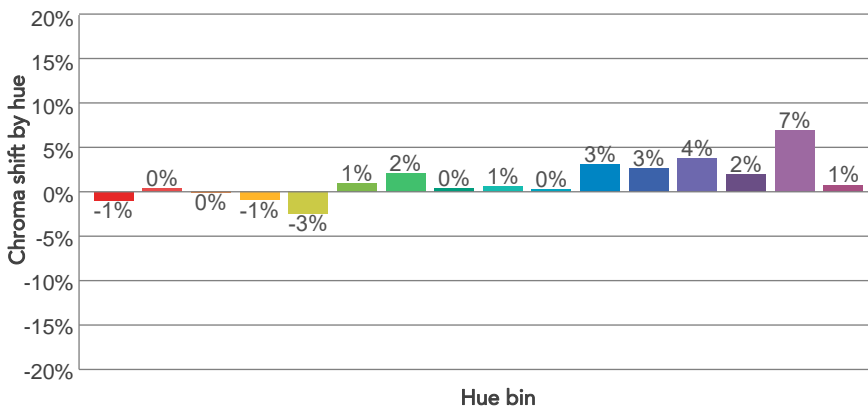
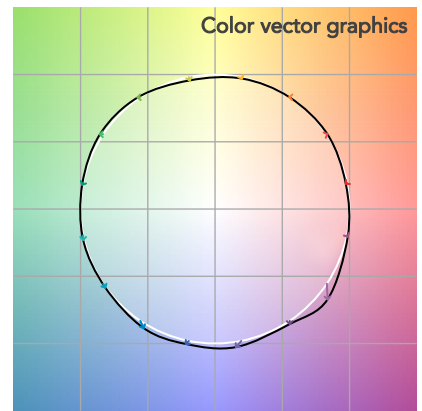
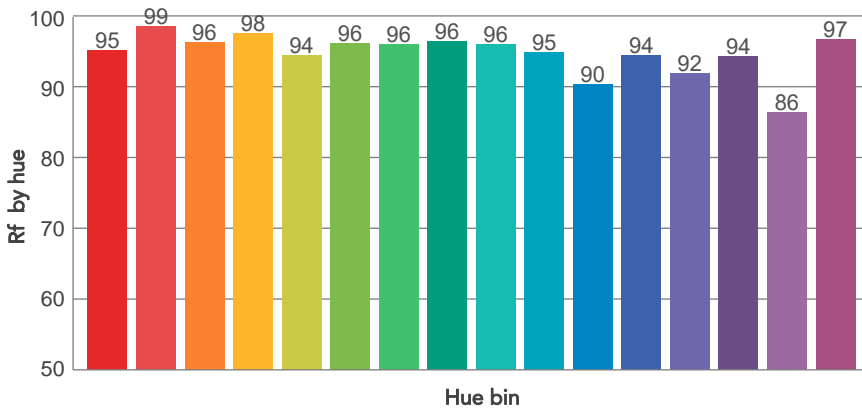
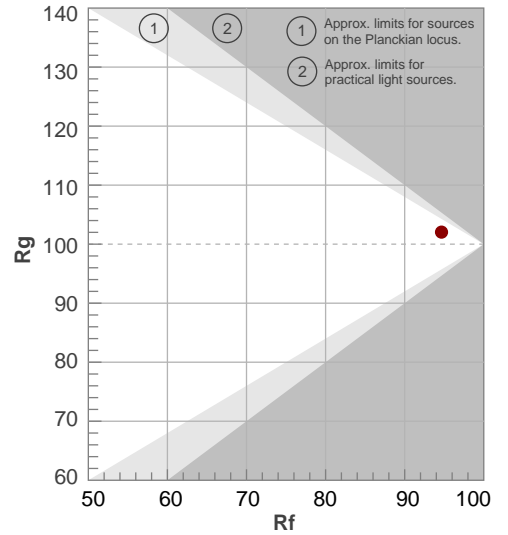
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6058 K	97,7	97,2	94,7	102,0	97,1	95	0,321	0,335	0,0009

TM30 DETAILS

Rf 94,7
Fidelity index Rf

Rg 102,0
Gammut index

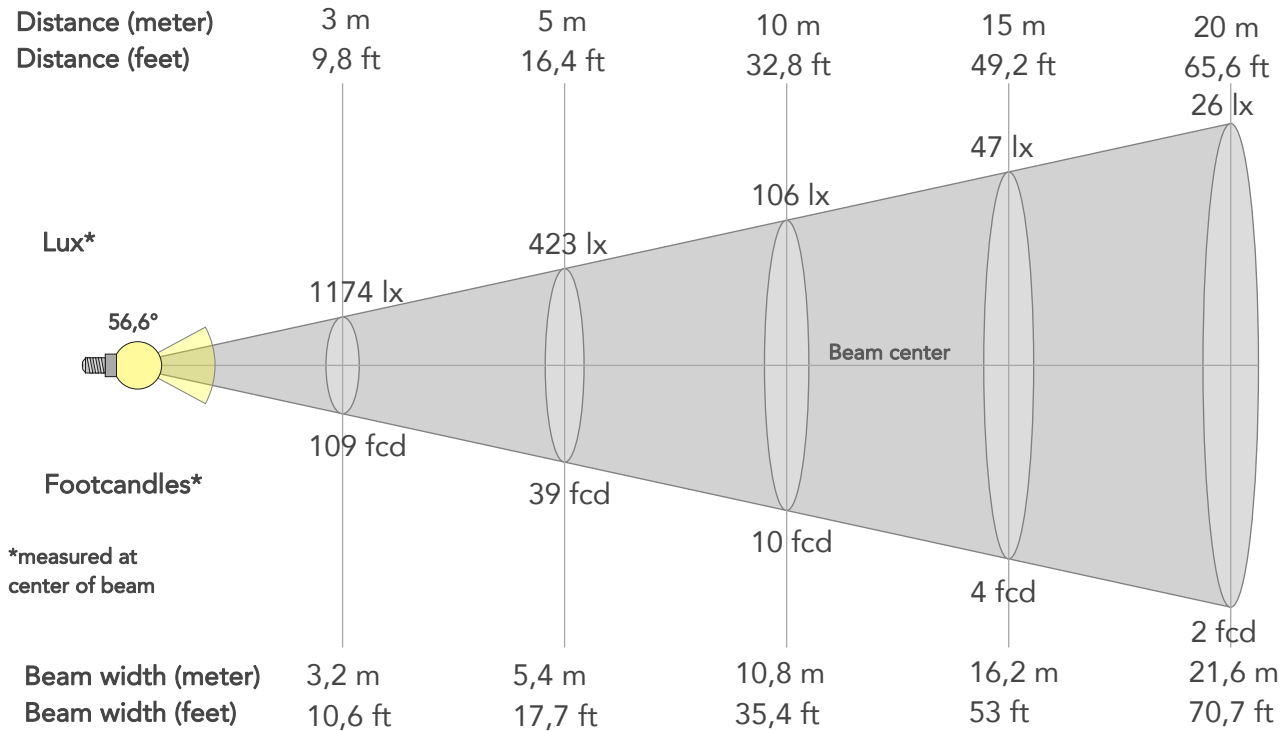
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-1%
2	99	0%	0%
3	96	0%	0%
4	98	-1%	-1%
5	94	-3%	0%
6	96	1%	2%
7	96	2%	1%
8	96	0%	2%
9	96	1%	3%
10	95	0%	3%
11	90	3%	5%
12	94	3%	-2%
13	92	4%	-5%
14	94	2%	-1%
15	86	7%	-9%
16	97	1%	-1%



BEAM DETAILS



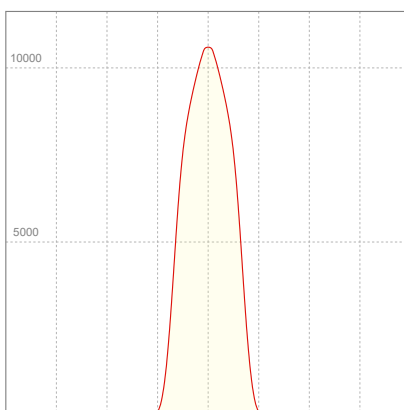
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,6°	77,1°	86,7°	100,0%	99,6%



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	10564lx	2641lx	1174lx	660lx	423lx	188lx	106lx	47lx	26lx	17lx	12lx	7lx	4lx
Footcand.	981fcd	245fcd	109fcd	61fcd	39fcd	17fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	1,1m	2,2m	3,2m	4,3m	5,4m	8,1m	10,8m	16,2m	21,6m	26,9m	32,3m	43,1m	53,9m
Beam wid.	3,6ft	7,1ft	10,6ft	14,1ft	17,7ft	26,5ft	35,4ft	53ft	70,7ft	88,4ft	106,1ft	141,4ft	176,8ft

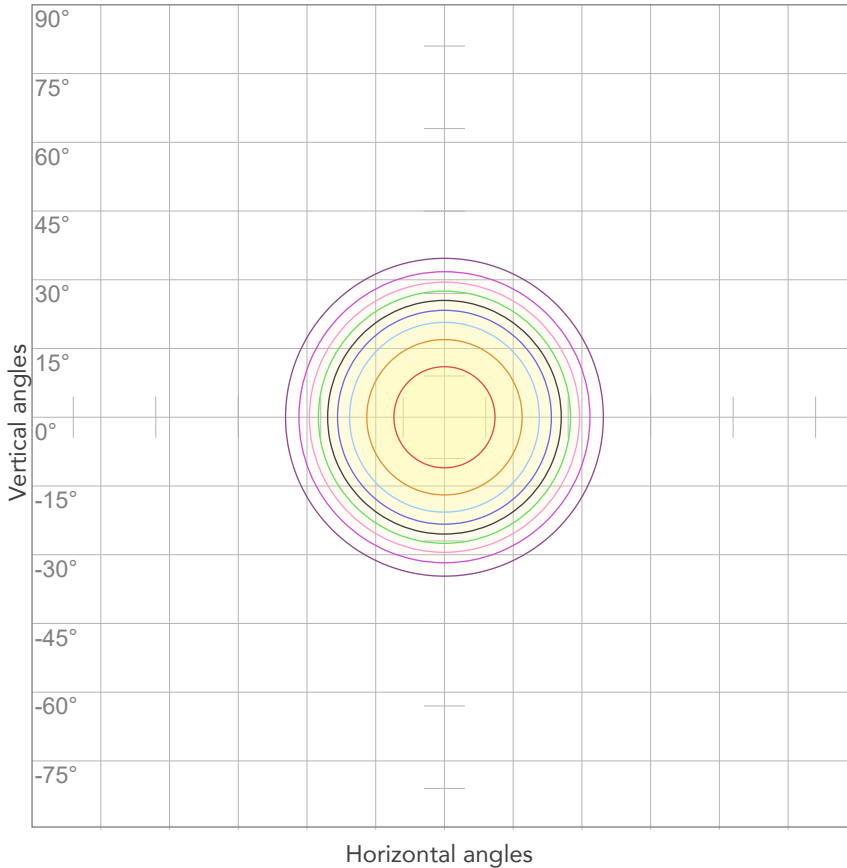
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	1,36A	304,2W	27lm/W

ISO CANDELA DIAGRAM



10%	1056 cd
20%	2113 cd
30%	3169 cd
40%	4226 cd
50%	5282 cd
60%	6338 cd
70%	7395 cd
80%	8451 cd

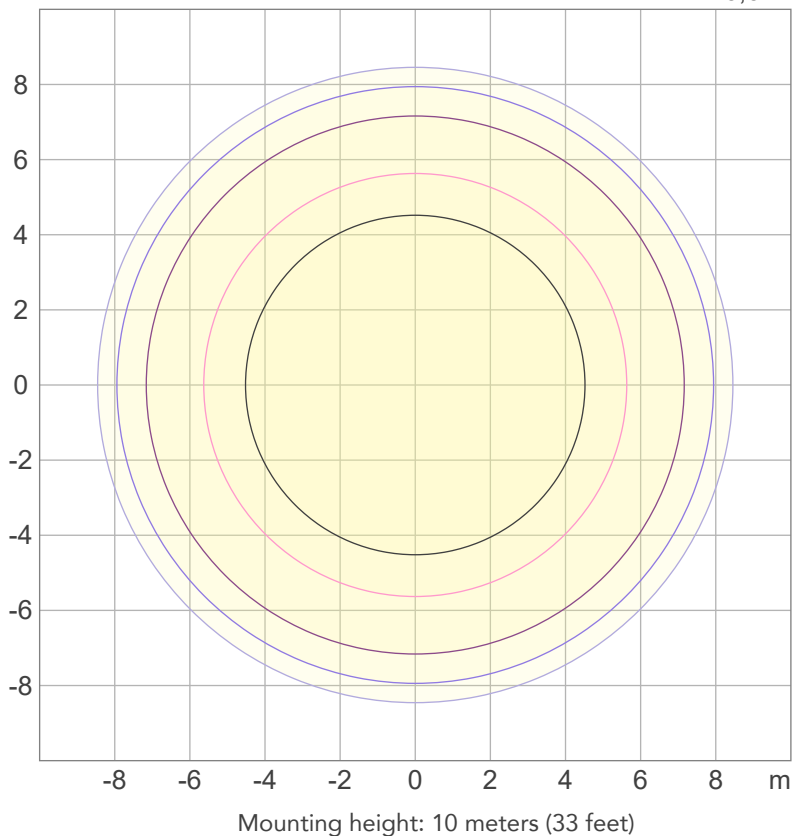
Conditions:

Number of c-planes: 2

Candela at center: 10564 cd

ISO LUX DIAGRAM

MH: 10,0 m



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

Conditions:

Number of c-planes: 2

Lux at center: 106 lx

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



Total lumen output:

6672 lm

Peak candela output:

35224 cd

Light quality:

CRI: 97,8

Color temperature:

6018 K

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

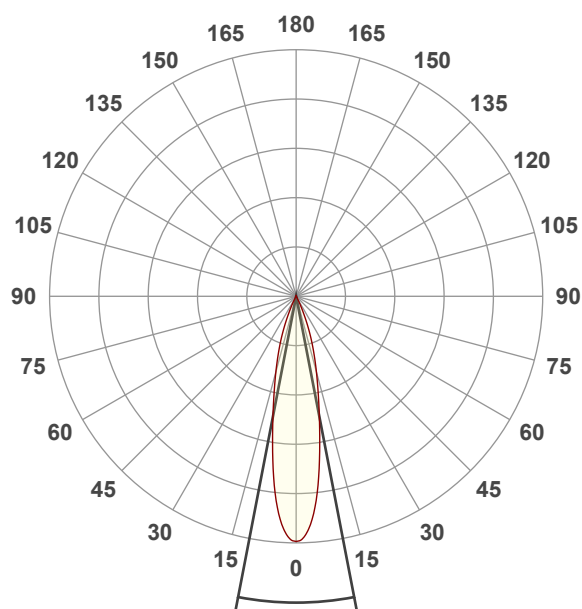
6000K - HQ

Operator:

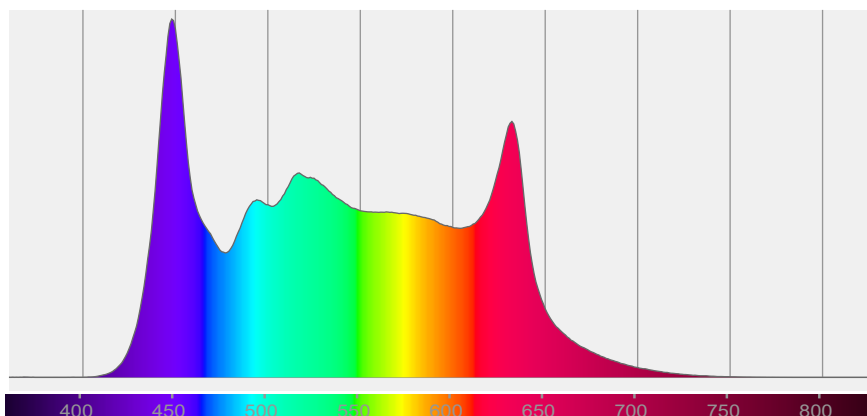
Salvatore Giglio

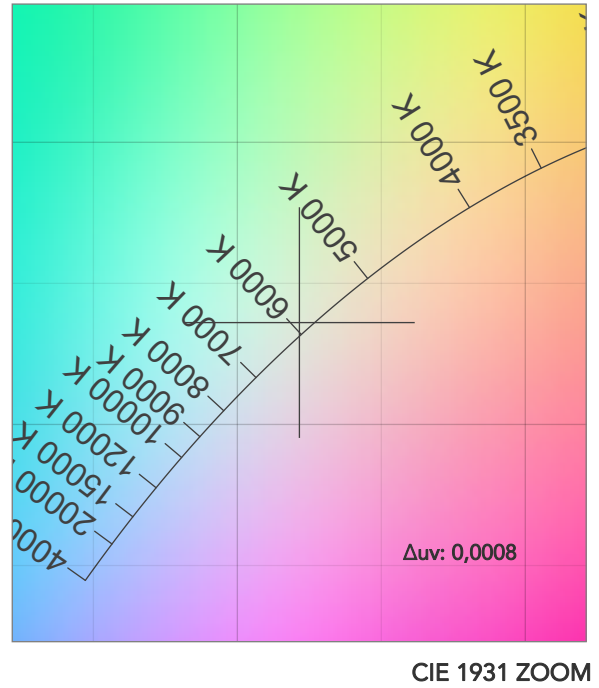
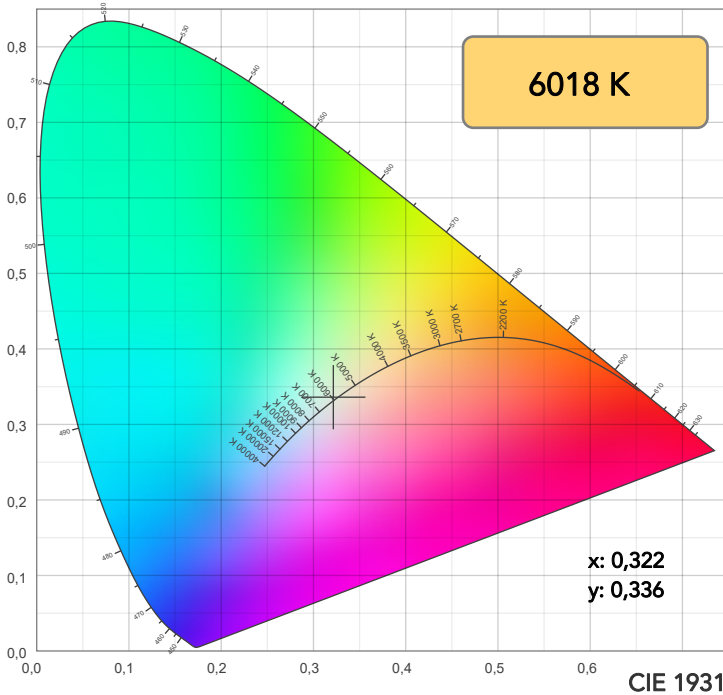
Date and time:

21/09/2023 13:29:49

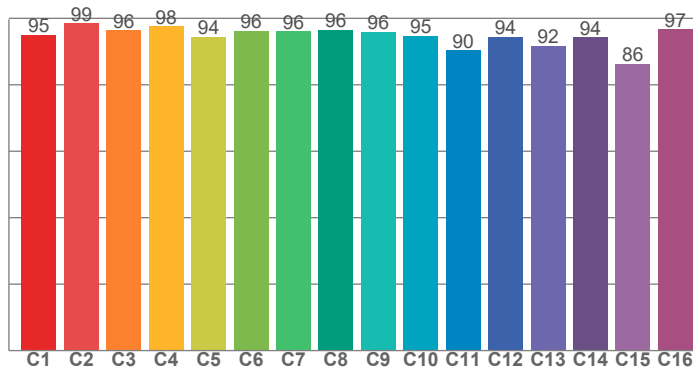


Spectra

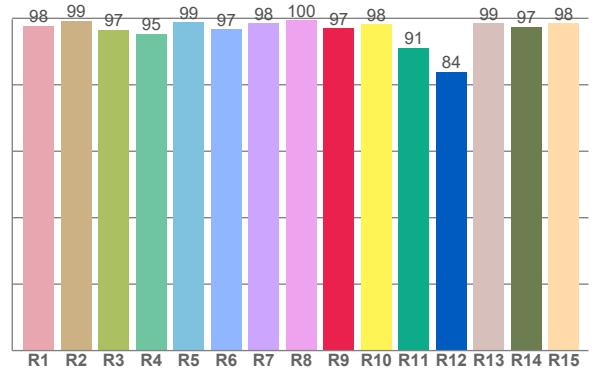




TM30: 94,7



CRI: 97,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,8	99,2	96,5	95,4	98,8	96,6	98,4	99,5	97,1	98,2	91,1	84,0	98,5	97,5	98,5

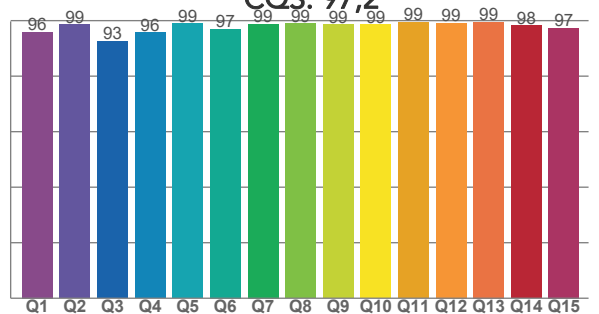
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,1	98,5	96,3	97,6	94,3	96,2	96,1	96,5	96,0	94,8	90,4	94,4	91,7	94,3	86,3	96,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,0	98,6	92,5	95,7	99,0	97,0	98,8	99,0	98,6	98,5	99,4	99,2	99,5	98,2	97,3

CQS: 97,2



COLOR PARAMETERS

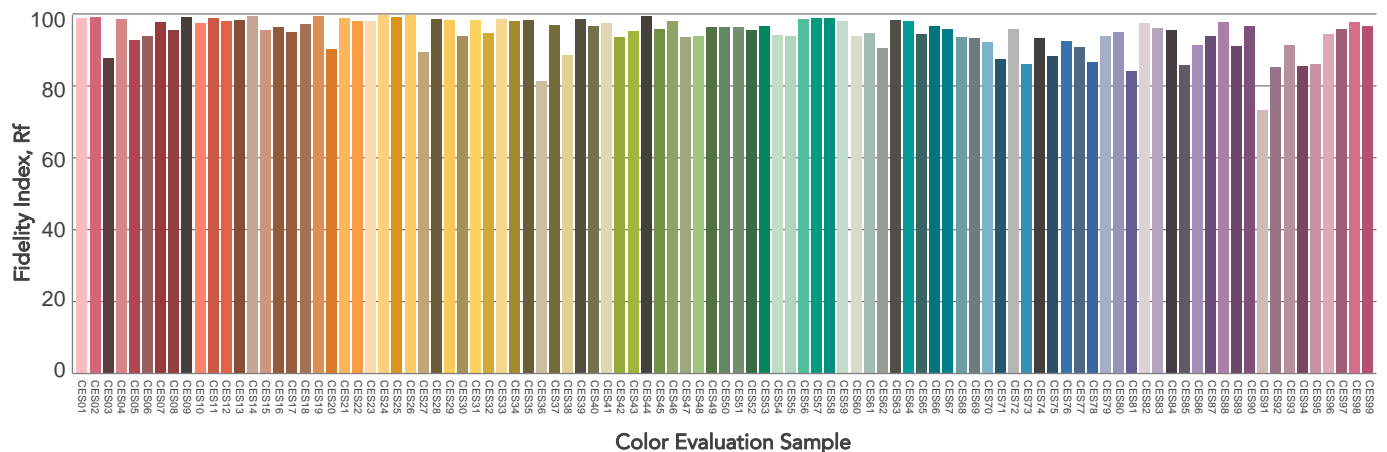
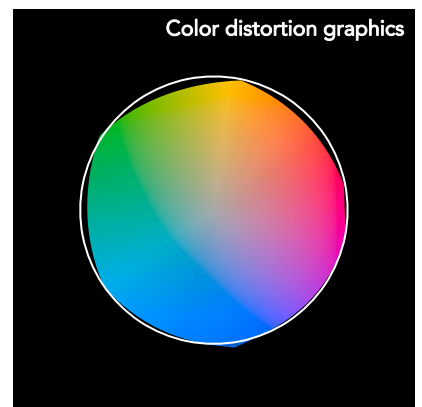
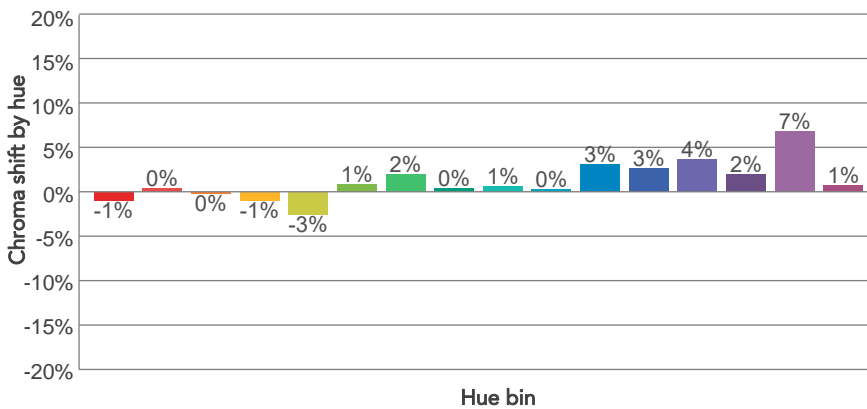
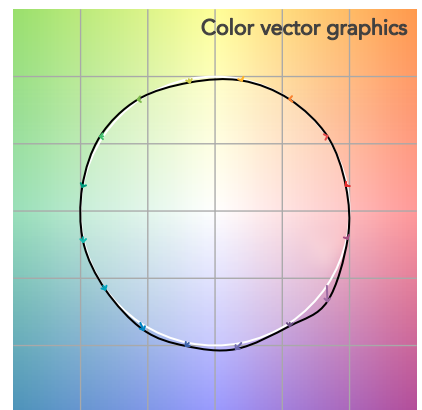
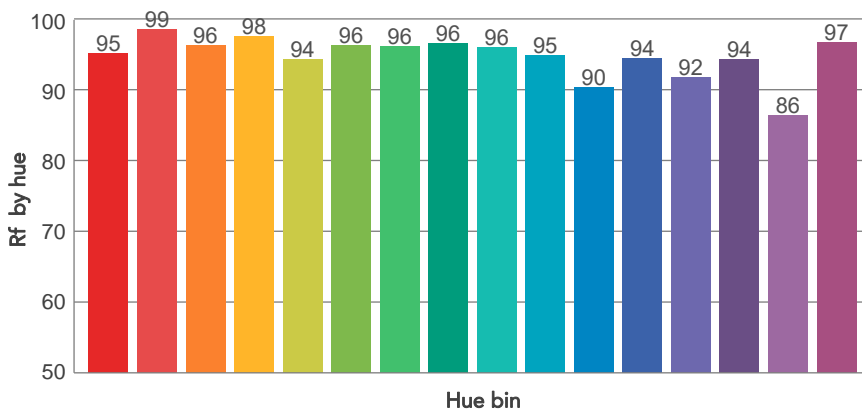
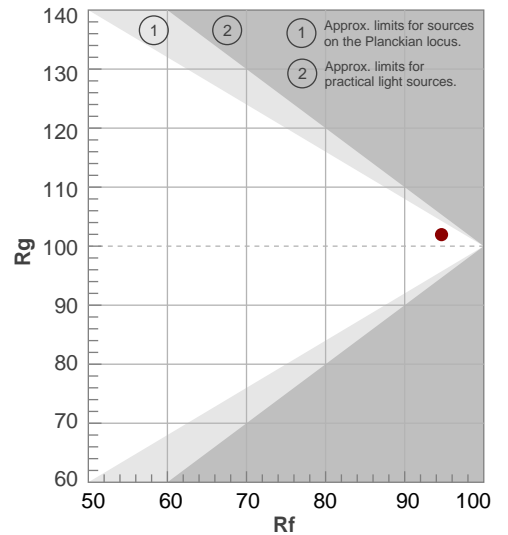
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6018 K	97,8	97,1	94,7	102,0	97,2	95	0,322	0,336	0,0008

TM30 DETAILS

Rf 94,7
Fidelity index Rf

Rg 102,0
Gammut index

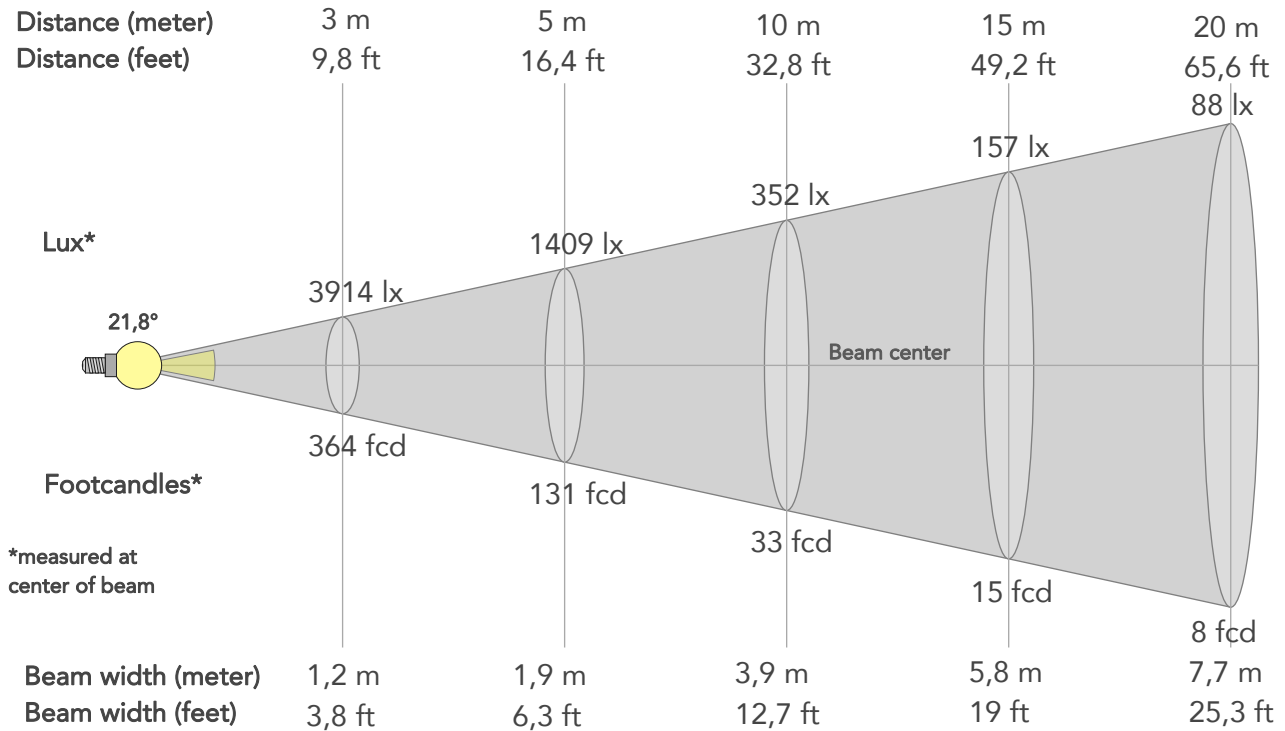
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-1%
2	99	0%	0%
3	96	0%	0%
4	98	-1%	-1%
5	94	-3%	0%
6	96	1%	2%
7	96	2%	1%
8	96	0%	2%
9	96	1%	3%
10	95	0%	3%
11	90	3%	5%
12	94	3%	-2%
13	92	4%	-5%
14	94	2%	-1%
15	86	7%	-9%
16	97	1%	-1%



BEAM DETAILS



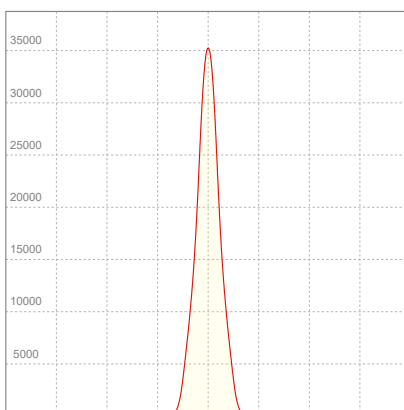
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,8°	45°	54,1°	100,0%	100,0%



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	35224lx	8806lx	3914lx	2202lx	1409lx	626lx	352lx	157lx	88lx	56lx	39lx	22lx	14lx
Footcand.	3272fcd	818fcd	364fcd	205fcd	131fcd	58fcd	33fcd	15fcd	8fcd	5fcd	4fcd	2fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,5m	1,9m	2,9m	3,9m	5,8m	7,7m	9,6m	11,6m	15,4m	19,3m
Beam wid.	1,3ft	2,5ft	3,8ft	5,1ft	6,3ft	9,5ft	12,7ft	19ft	25,3ft	31,6ft	38ft	50,6ft	63,3ft

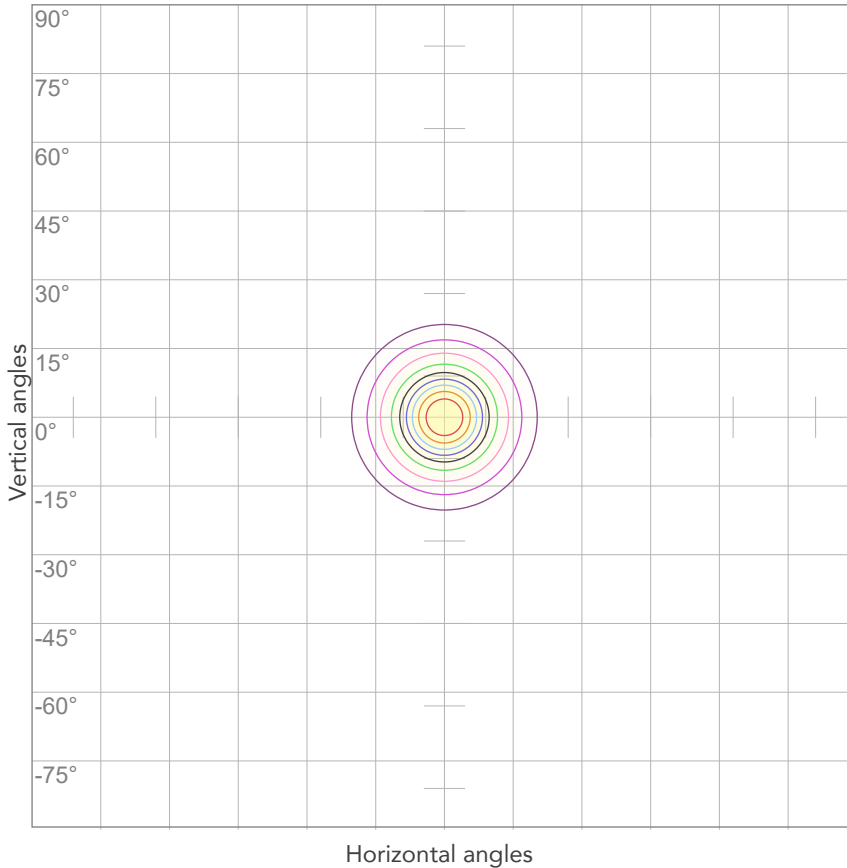
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	1,38A	309,5W	22lm/W

ISO CANDELA DIAGRAM



10%	3522 cd
20%	7045 cd
30%	10567 cd
40%	14090 cd
50%	17612 cd
60%	21135 cd
70%	24657 cd
80%	28180 cd

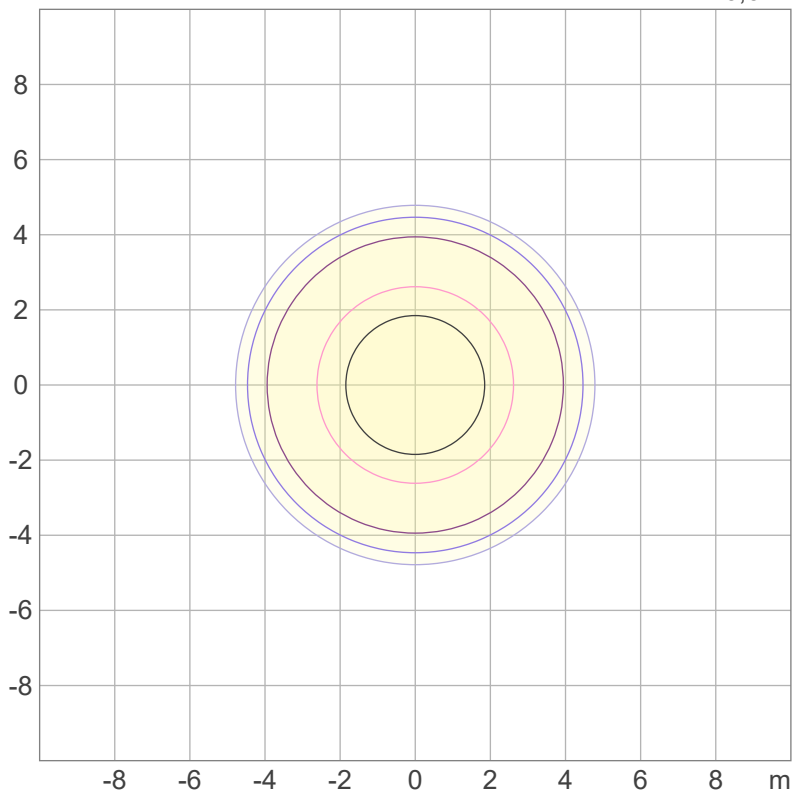
Conditions:

Number of c-planes: 2

Candela at center: 35224 cd

ISO LUX DIAGRAM

MH: 10,0 m



3%	10,6 lx
5%	17,6 lx
10%	35,2 lx
30%	106 lx
50%	176 lx

Conditions:

Number of c-planes: 2

Lux at center: 352 lx

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



Total lumen output:

3790 lm

Peak candela output:

94774 cd

Light quality:

CRI: 97,9

Color temperature:

5933 K

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

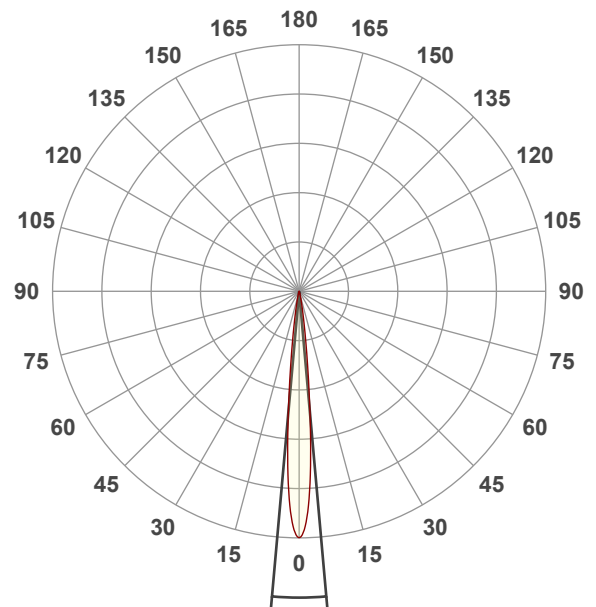
6000K - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 12:34:21

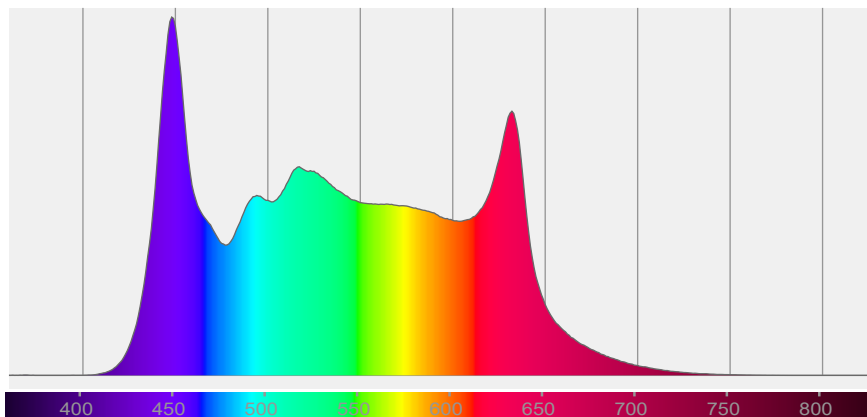


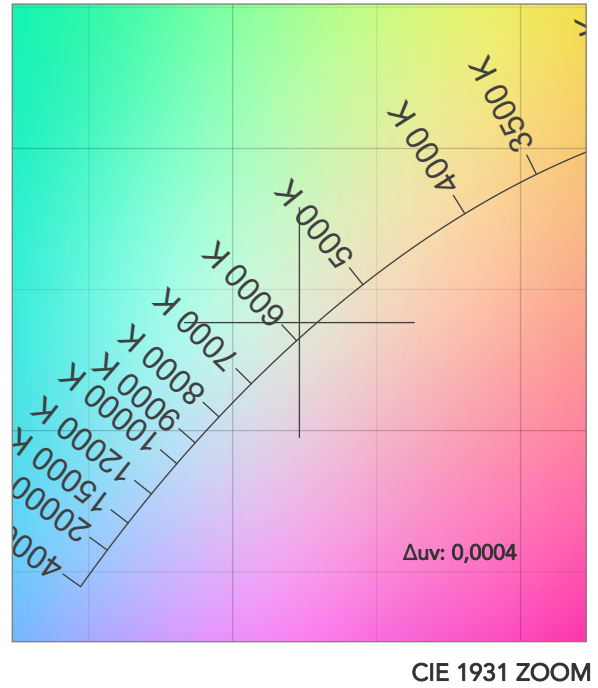
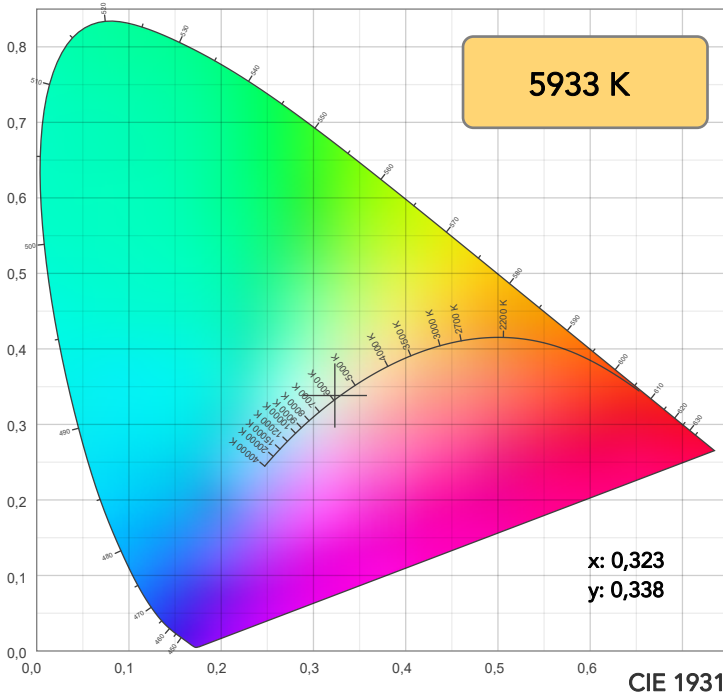
Beam angle 50%: 10,2°

Field angle 10%: 18,9°

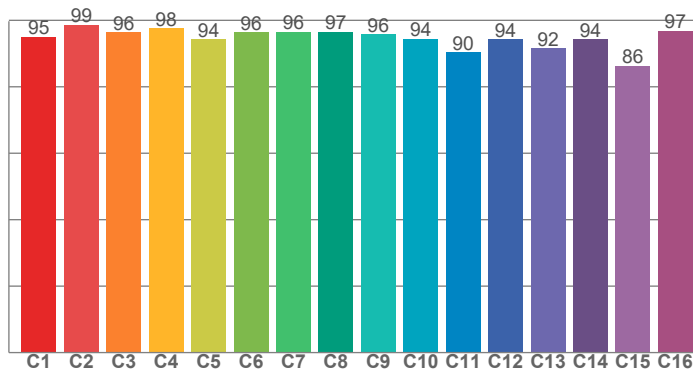
Cut off angle 2.5%: 26,8°

Spectra

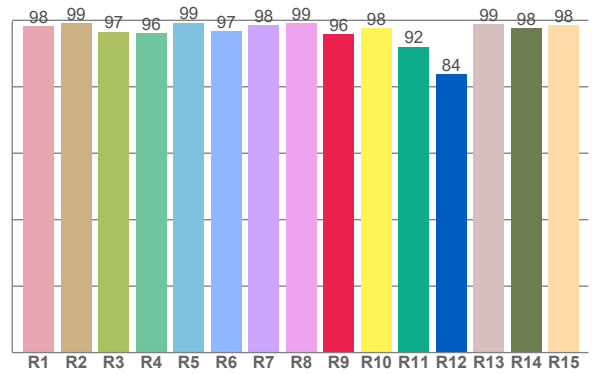




TM30: 94,6



CRI: 97,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,2	99,1	96,6	96,1	99,3	96,7	98,5	99,1	95,7	97,6	92,1	83,7	98,9	97,5	98,5

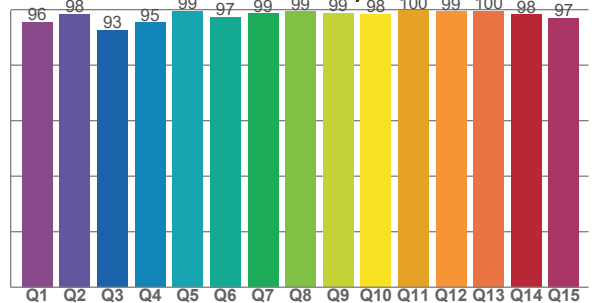
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,0	98,6	96,4	97,6	94,2	96,4	96,5	96,5	95,8	94,4	90,4	94,3	91,5	94,3	86,2	96,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,6	98,4	92,6	95,4	99,4	97,3	98,6	99,3	98,7	98,5	99,6	99,4	99,5	98,2	97,0

CQS: 97,1



COLOR PARAMETERS

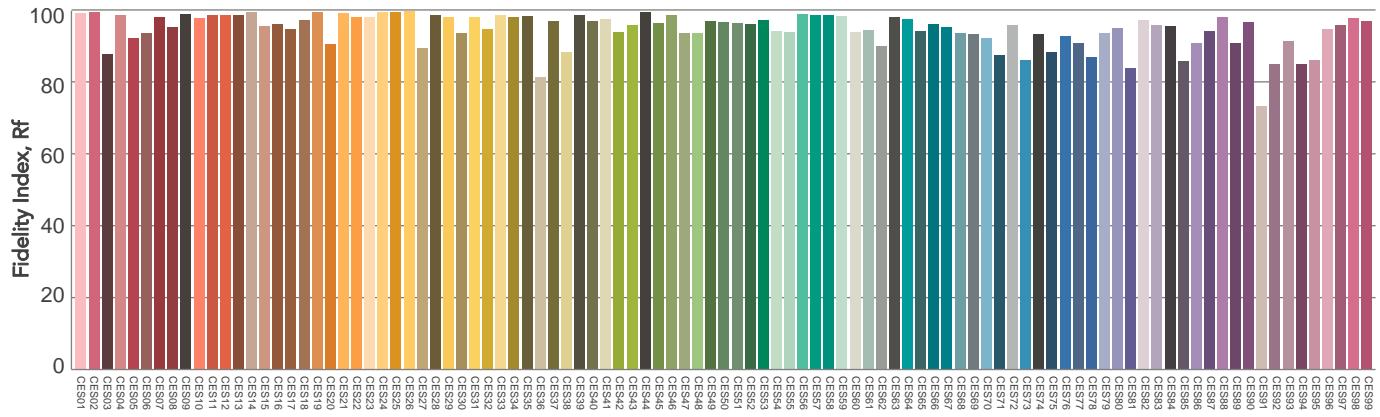
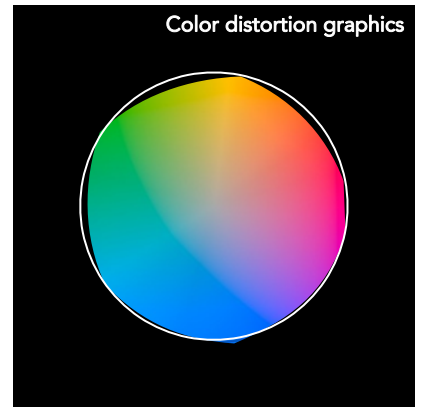
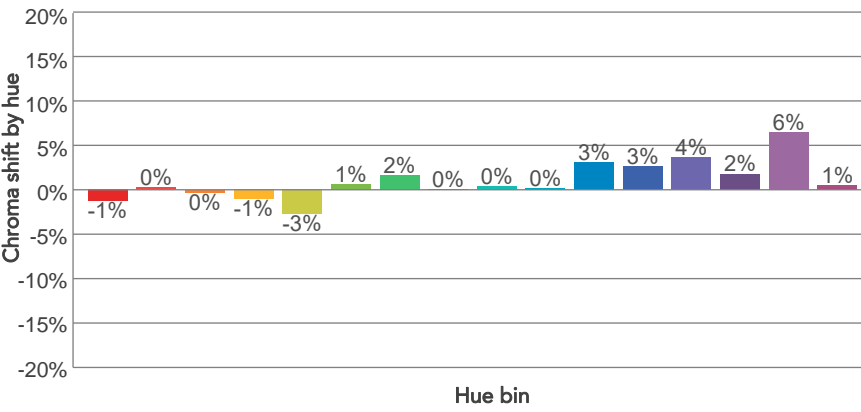
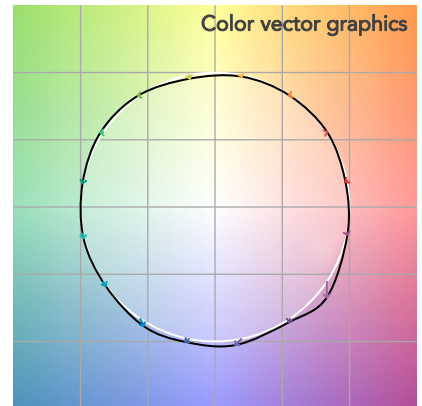
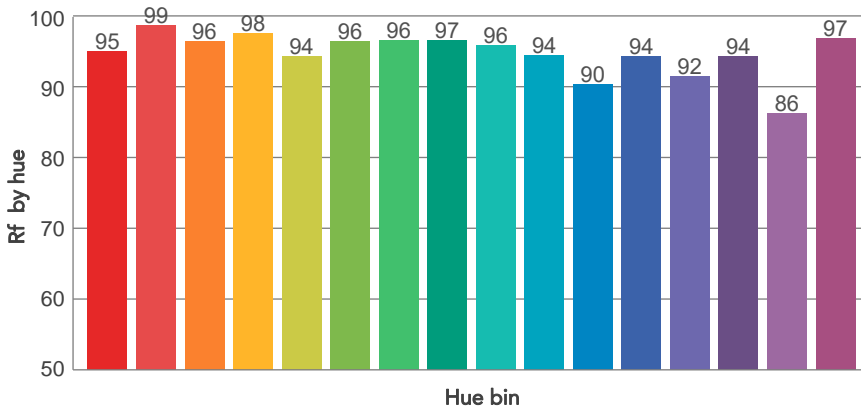
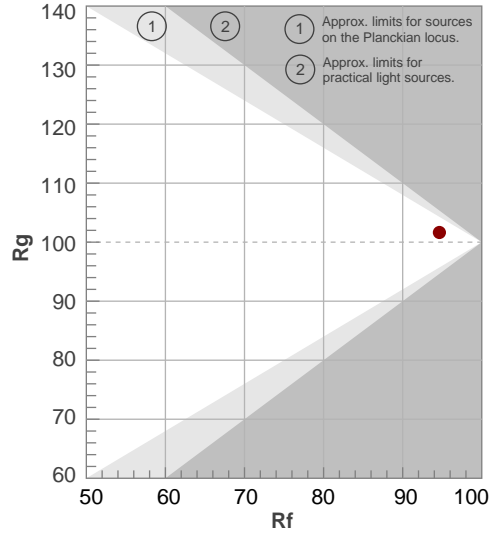
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5933 K	97,9	95,7	94,6	101,6	97,1	95	0,323	0,338	0,0004

TM30 DETAILS

Rf 94,6
Fidelity index Rf

Rg 101,6
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-1%
2	99	0%	0%
3	96	0%	0%
4	98	-1%	-1%
5	94	-3%	0%
6	96	1%	2%
7	96	2%	1%
8	97	0%	2%
9	96	0%	4%
10	94	0%	4%
11	90	3%	5%
12	94	3%	-2%
13	92	4%	-5%
14	94	2%	-2%
15	86	6%	-10%
16	97	1%	-1%

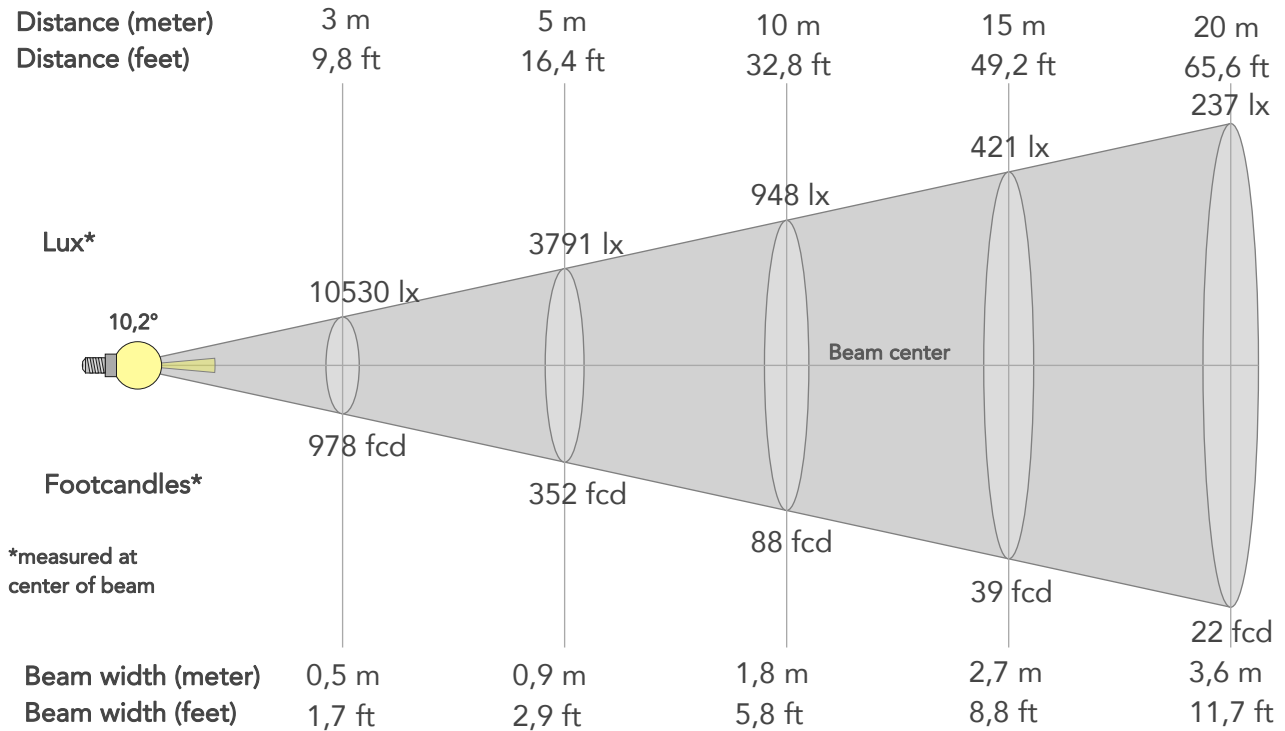


Color Evaluation Sample

BEAM DETAILS



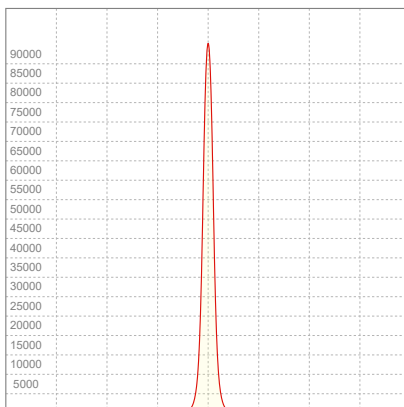
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,2°	18,9°	26,8°	100,0%	100,0%



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	94774lx	23694lx	10530lx	5923lx	3791lx	1685lx	948lx	421lx	237lx	152lx	105lx	59lx	38lx
Footcand.	8805fcd	2201fcd	978fcd	550fcd	352fcd	157fcd	88fcd	39fcd	22fcd	14fcd	10fcd	6fcd	4fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,7m	3,6m	4,5m	5,3m	7,1m	8,9m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,4ft	5,8ft	8,8ft	11,7ft	14,6ft	17,5ft	23,4ft	29,2ft

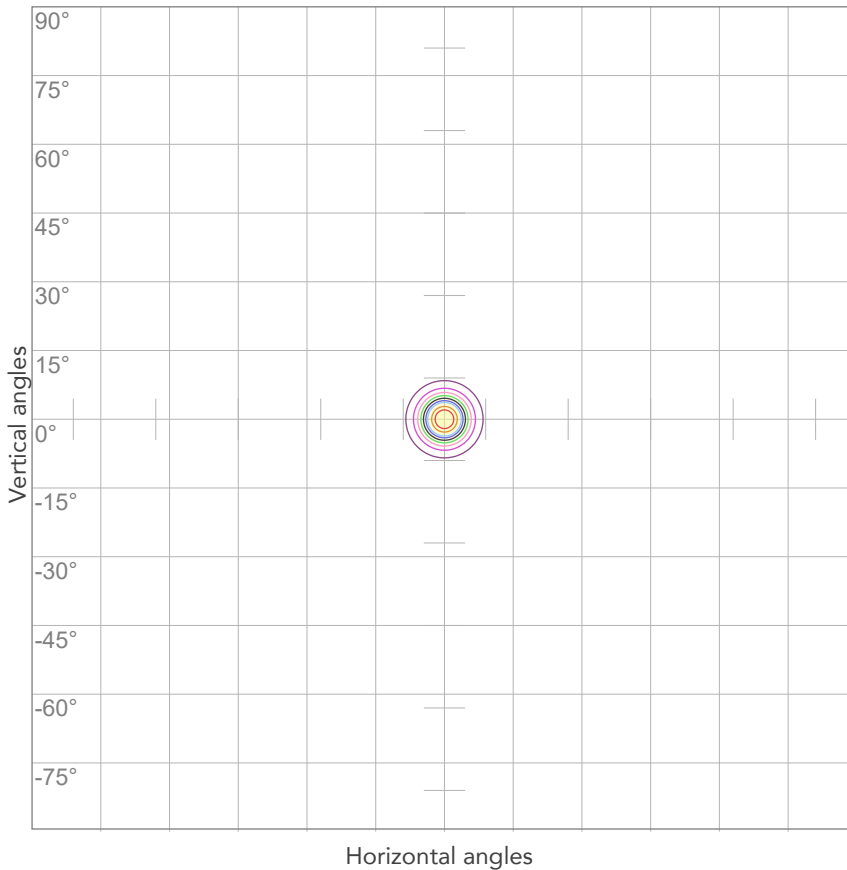
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,42A	317,1W	12lm/W

ISO CANDELA DIAGRAM



10%	9477 cd
20%	18955 cd
30%	28432 cd
40%	37910 cd
50%	47387 cd
60%	56864 cd
70%	66342 cd
80%	75819 cd

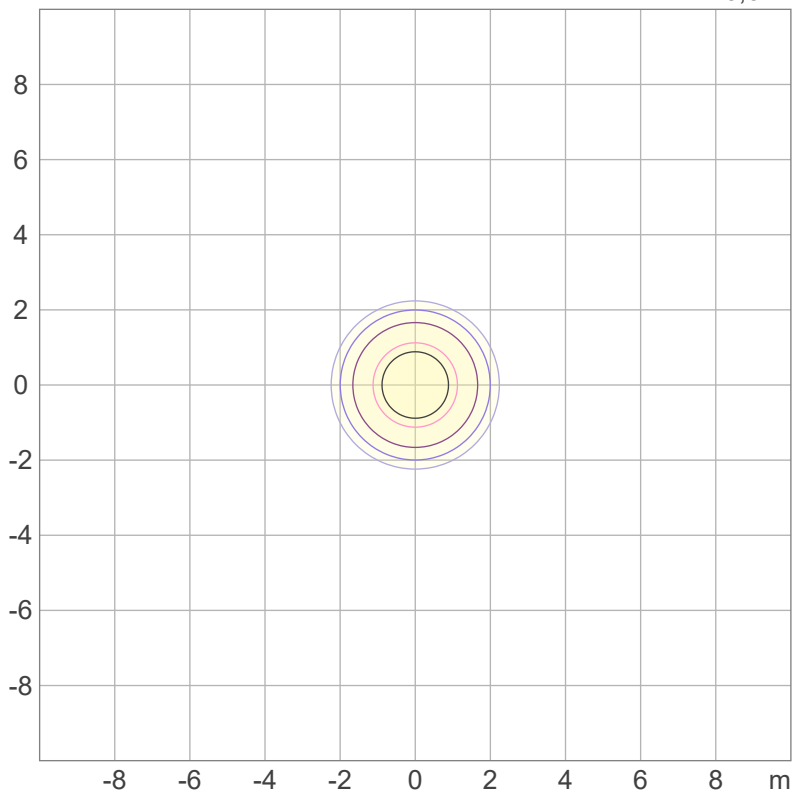
Conditions:

Number of c-planes: 2

Candela at center: 94774 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

3%	28,4 lx
5%	47,4 lx
10%	94,8 lx
30%	284 lx
50%	474 lx

Conditions:

Number of c-planes: 2

Lux at center: 948 lx

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