

# Photometric Test Report



## ECLSOFTLINEARIP

IP65, 250W Tunable White colourful linear LED  
soft light with pixels and lighting effects

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Filter HD	145
Filter MD	150
Filter LD	155
Filter INT	160

## 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:

8920 lm

Peak candela output:

3035 cd



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASUREMENT CONDITIONS:**

Beam angle:

Filter HD

Target:

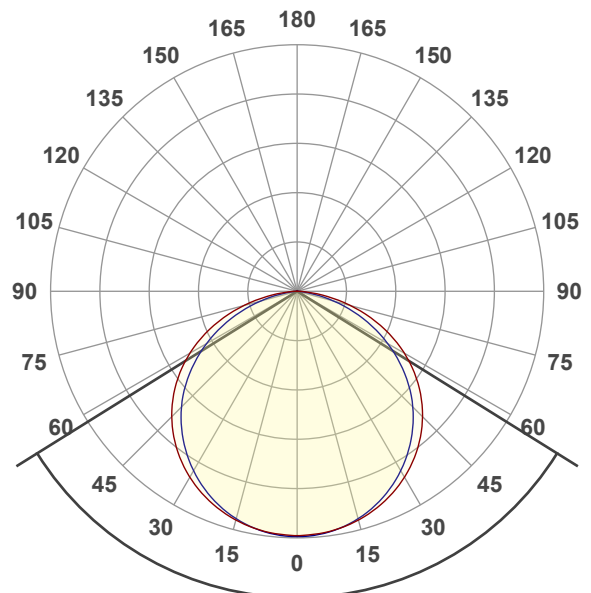
Full On Call.On

Operator:

Paolo Carvone

Date and time:

22/08/2022 17:35:16

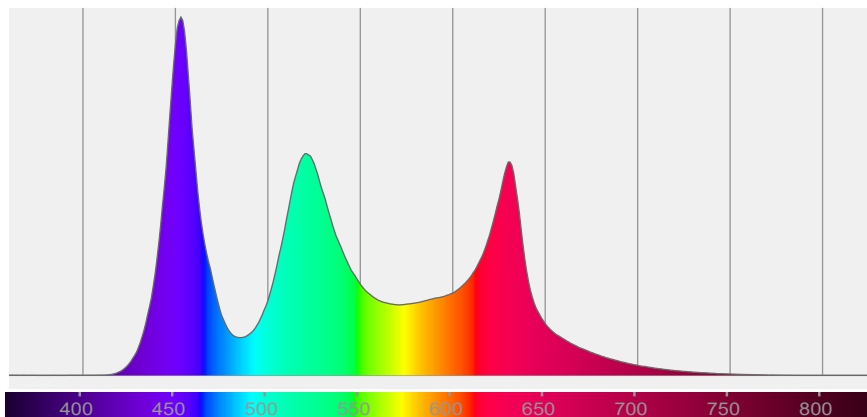


Beam angle 50%: 116,1°

Field angle 10%: 160,2°

Cut off angle 2.5%: 171,4°

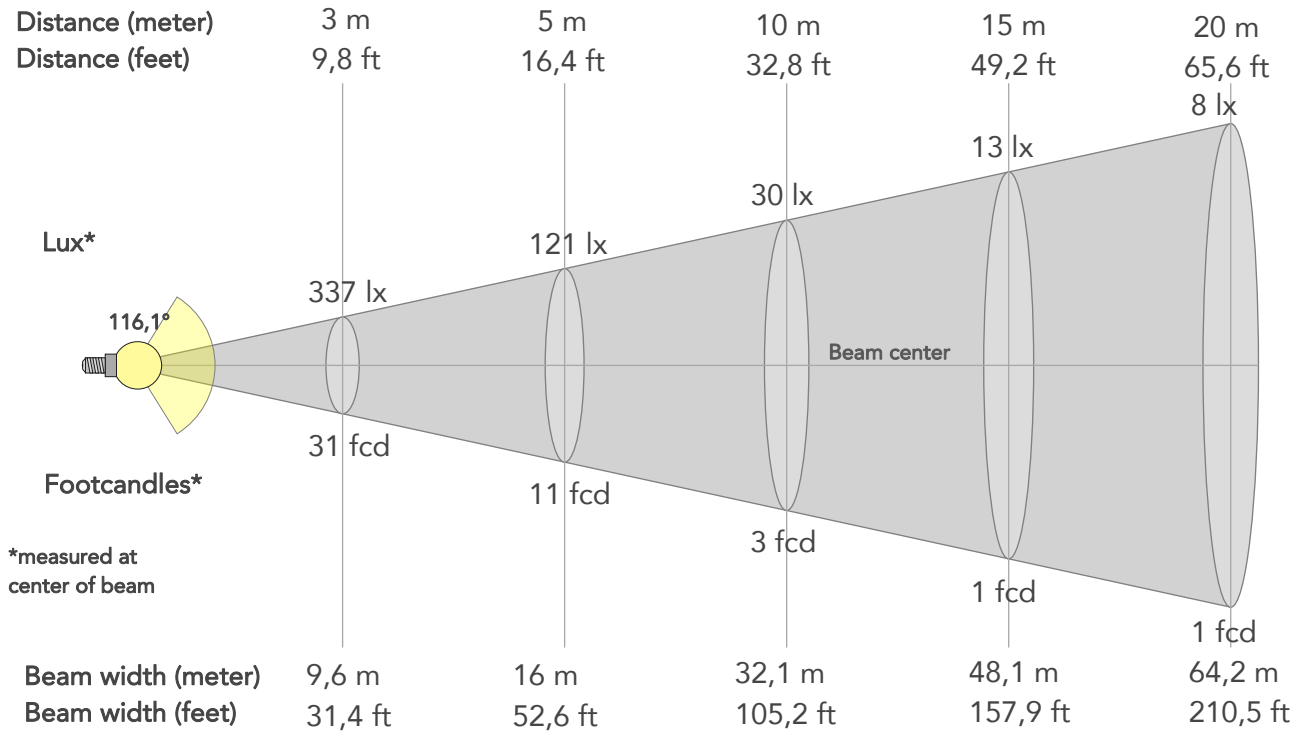
Spectra



# BEAM DETAILS



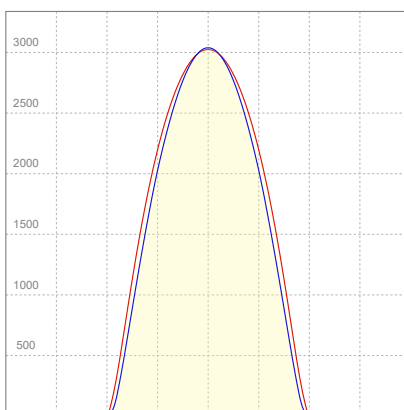
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
116,1°	160,2°	171,4°	78,9%	53,1%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3029lx	757lx	337lx	189lx	121lx	54lx	30lx	13lx	8lx	5lx	3lx	2lx	1lx
Footcand.	281fcd	70fcd	31fcd	18fcd	11fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	3,2m	6,4m	9,6m	12,8m	16m	24,1m	32,1m	48,1m	64,2m	80,2m	96,3m	128,4m	160,4m
Beam wid.	10,6ft	21,2ft	31,4ft	42ft	52,6ft	78,9ft	105,2ft	157,9ft	210,5ft	263,1ft	315,7ft	421ft	526,2ft

## LINEAR DISTRIBUTION DIAGRAM

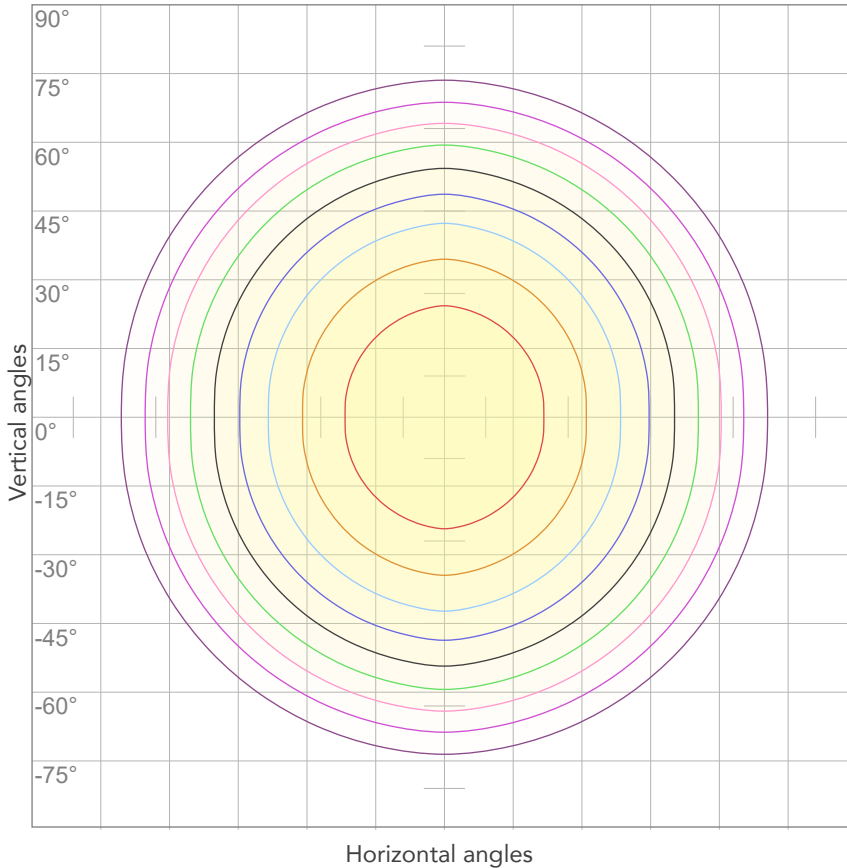


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,08A	234,5W	38lm/W

Power FC
0,96

## ISO CANDELA DIAGRAM



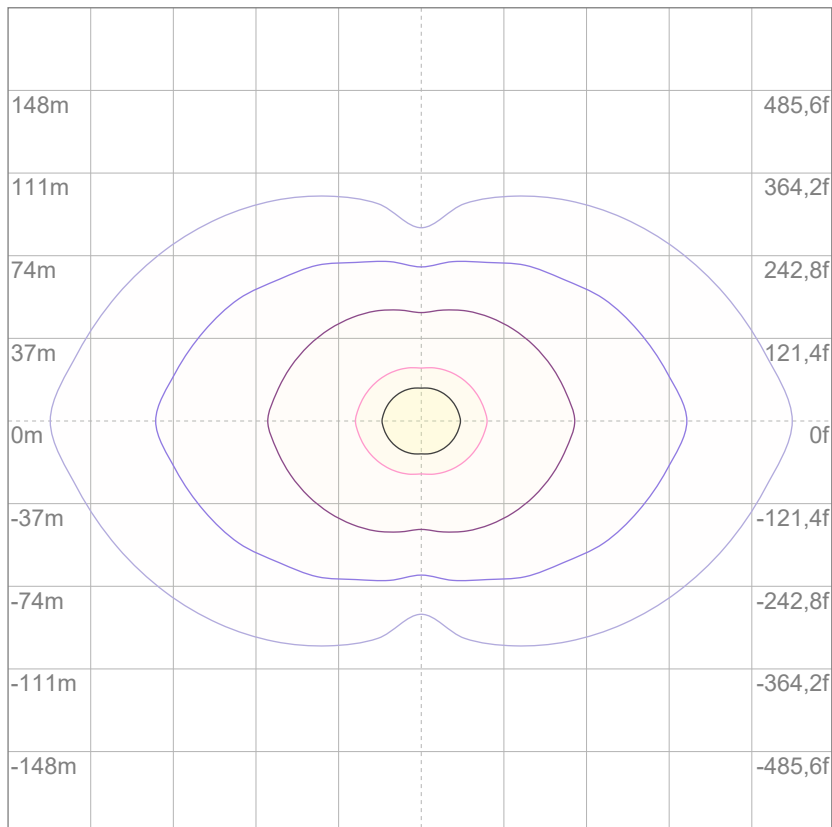
10%	303 cd
20%	606 cd
30%	909 cd
40%	1212 cd
50%	1515 cd
60%	1817 cd
70%	2120 cd
80%	2423 cd

Conditions:

Number of c-planes: 4

Candela at center: 3029 cd

## ISO LUX DIAGRAM



3%	0,909 lx
5%	1,51 lx
10%	3,03 lx
30%	9,09 lx
50%	15,1 lx

Conditions:

Number of c-planes: 4

Lux at center: 30,3 lx

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

Total lumen output:

10708 lm

Peak candela output:

4185 cd



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASUREMENT CONDITIONS:**

Beam angle:

Filter MD

Target:

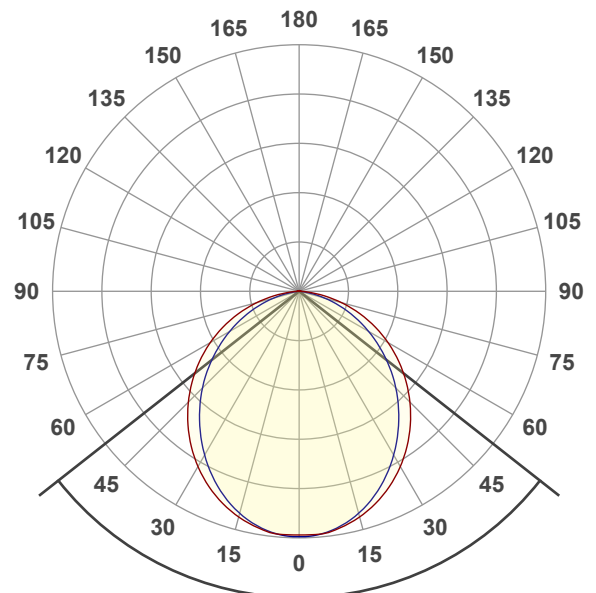
Full On Call.On

Operator:

Paolo Carvone

Date and time:

22/08/2022 16:28:35

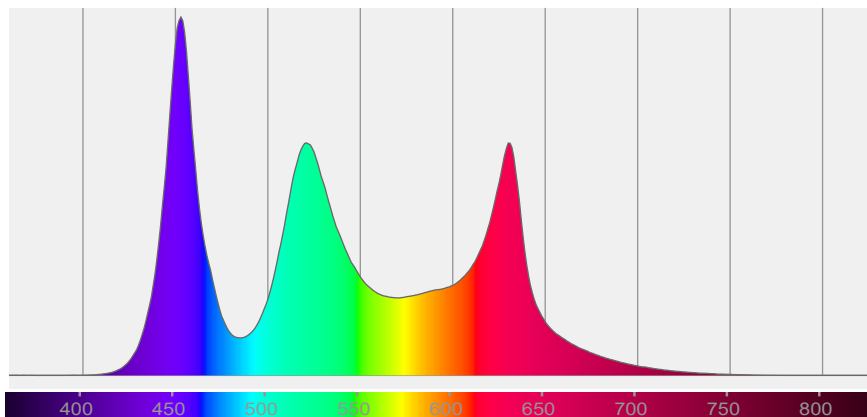


Beam angle 50%: 103,7°

Field angle 10%: 156°

Cut off angle 2.5%: 168,7°

Spectra

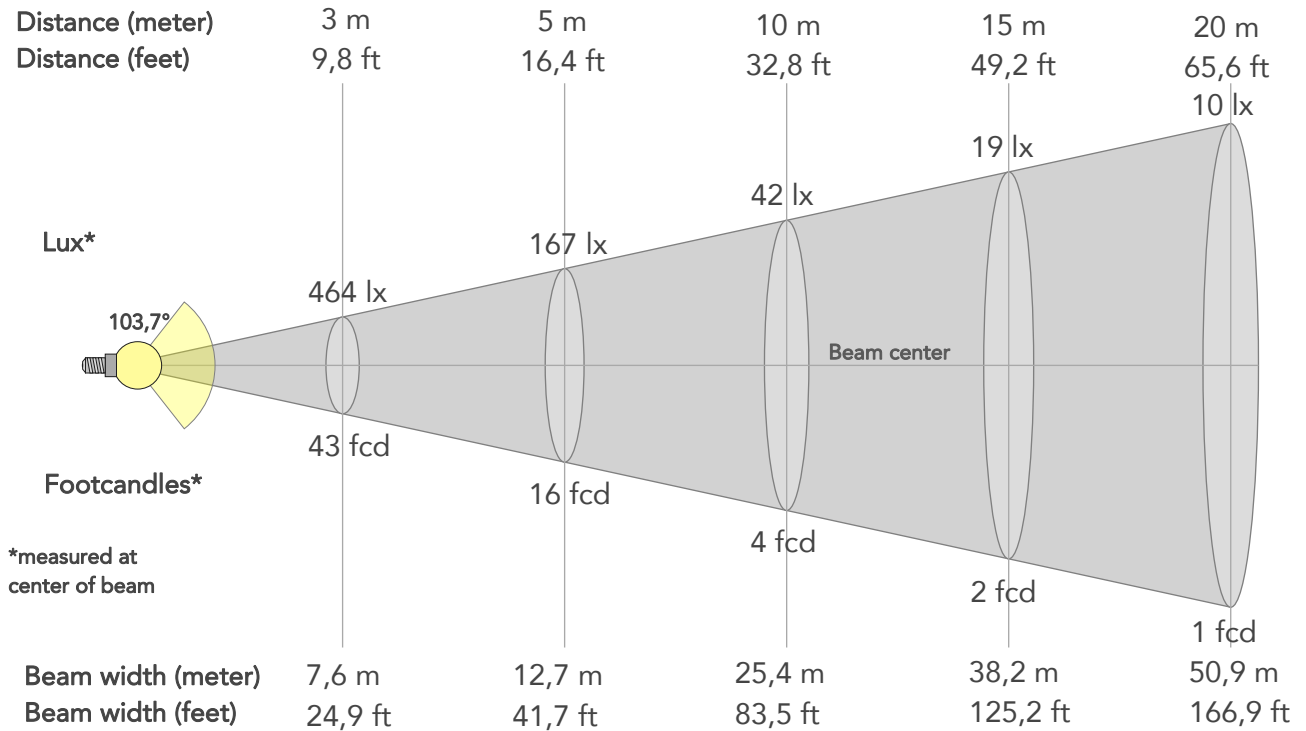




# BEAM DETAILS



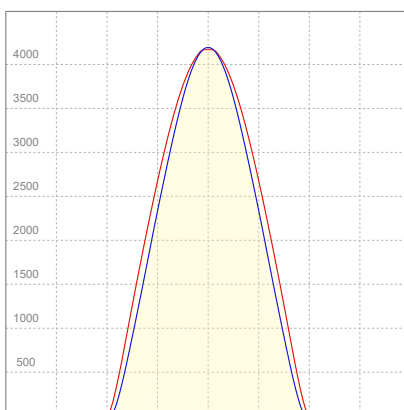
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
103,7°	156°	168,7°	81,2%	56,6%



## 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	4174lx	1043lx	464lx	261lx	167lx	74lx	42lx	19lx	10lx	7lx	5lx	3lx	2lx
Footcand.	388fcd	97fcd	43fcd	24fcd	16fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	2,5m	5,1m	7,6m	10,2m	12,7m	19,1m	25,4m	38,2m	50,9m	63,6m	76,3m	101,8m	127,2m
Beam wid.	8,4ft	16,8ft	24,9ft	33,3ft	41,7ft	62,6ft	83,5ft	125,2ft	166,9ft	208,7ft	250,4ft	333,9ft	417,3ft

## LINEAR DISTRIBUTION DIAGRAM

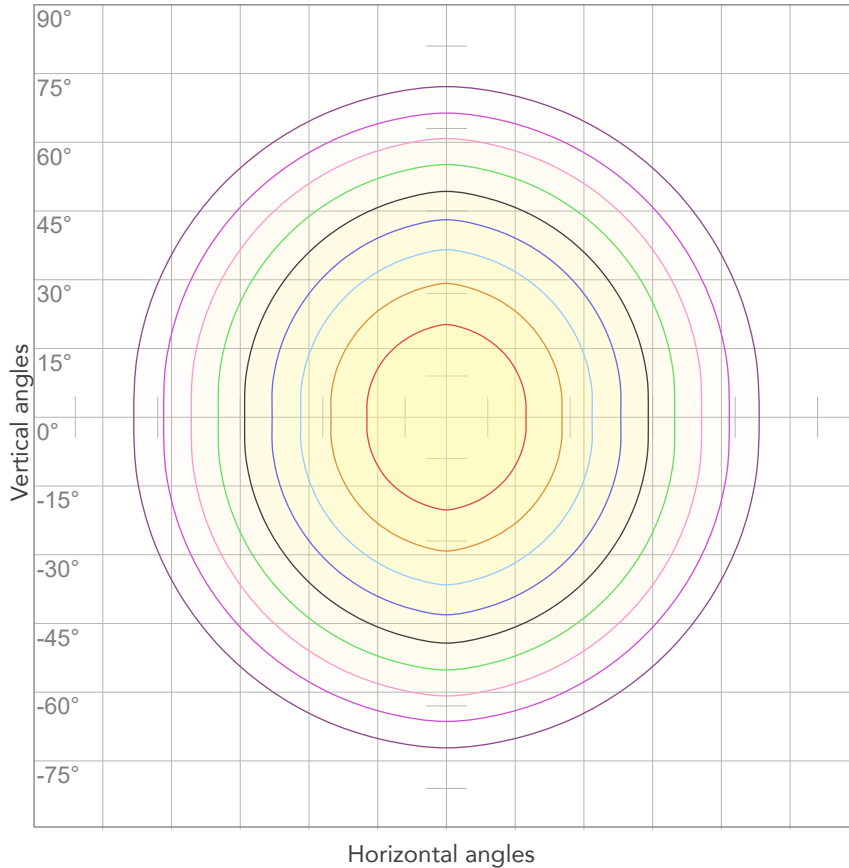


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,08A	234,9W	46lm/W

Power FC
0,96

## ISO CANDELA DIAGRAM



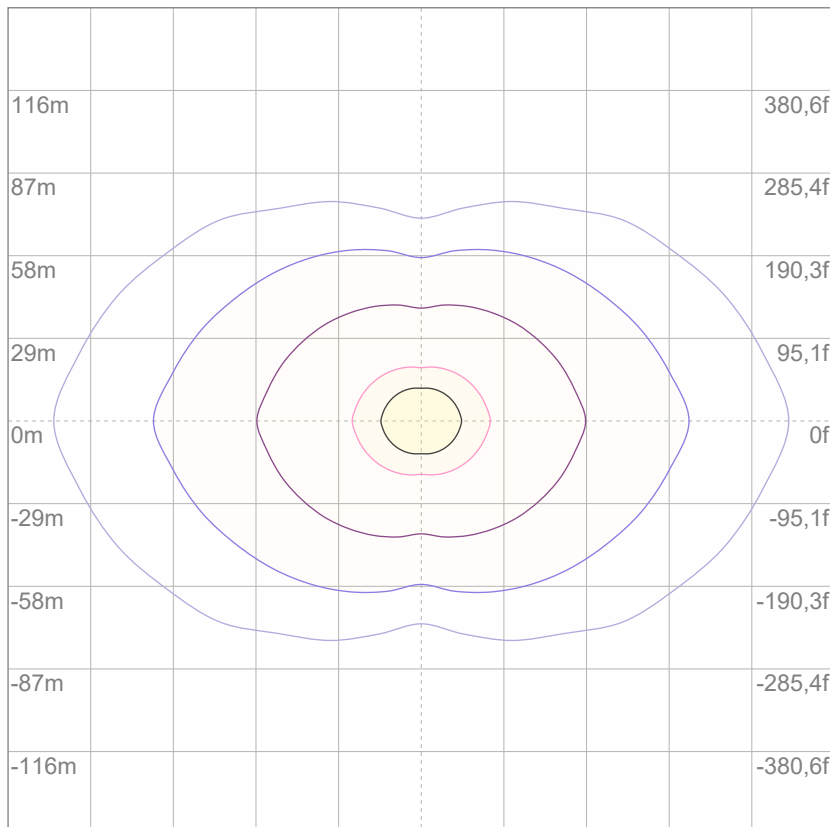
10%	417 cd
20%	835 cd
30%	1252 cd
40%	1669 cd
50%	2087 cd
60%	2504 cd
70%	2921 cd
80%	3339 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 4174 cd

## ISO LUX DIAGRAM



3%	1,25 lx
5%	2,09 lx
10%	4,17 lx
30%	12,5 lx
50%	20,9 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 41,7 lx

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

Total lumen output:

11905 lm

Peak candela output:

5036 cd



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASUREMENT CONDITIONS:**

Beam angle:

Filter LD

Target:

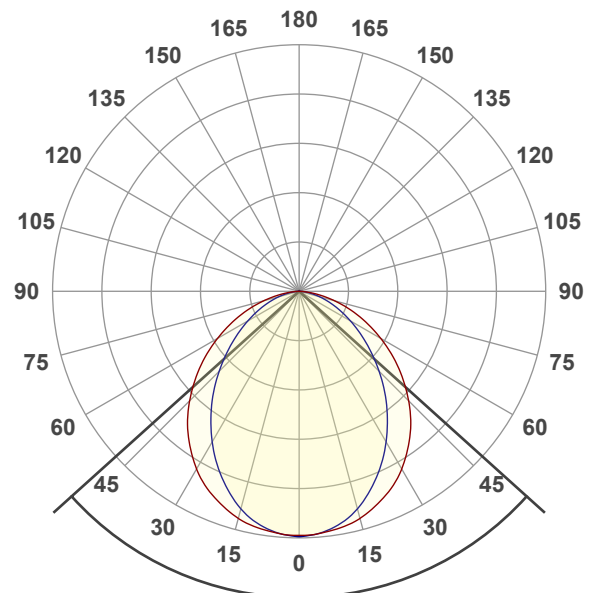
Full On Call.On

Operator:

Paolo Carvone

Date and time:

23/08/2022 10:59:12

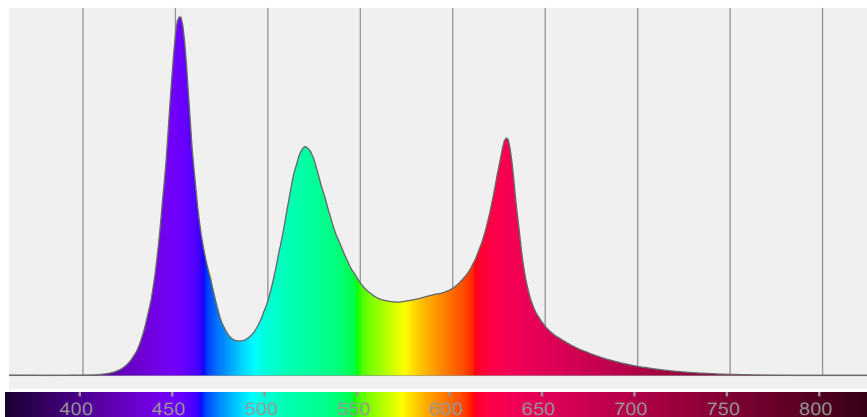


Beam angle 50%: 95,9°

Field angle 10%: 152,1°

Cut off angle 2.5%: 168,9°

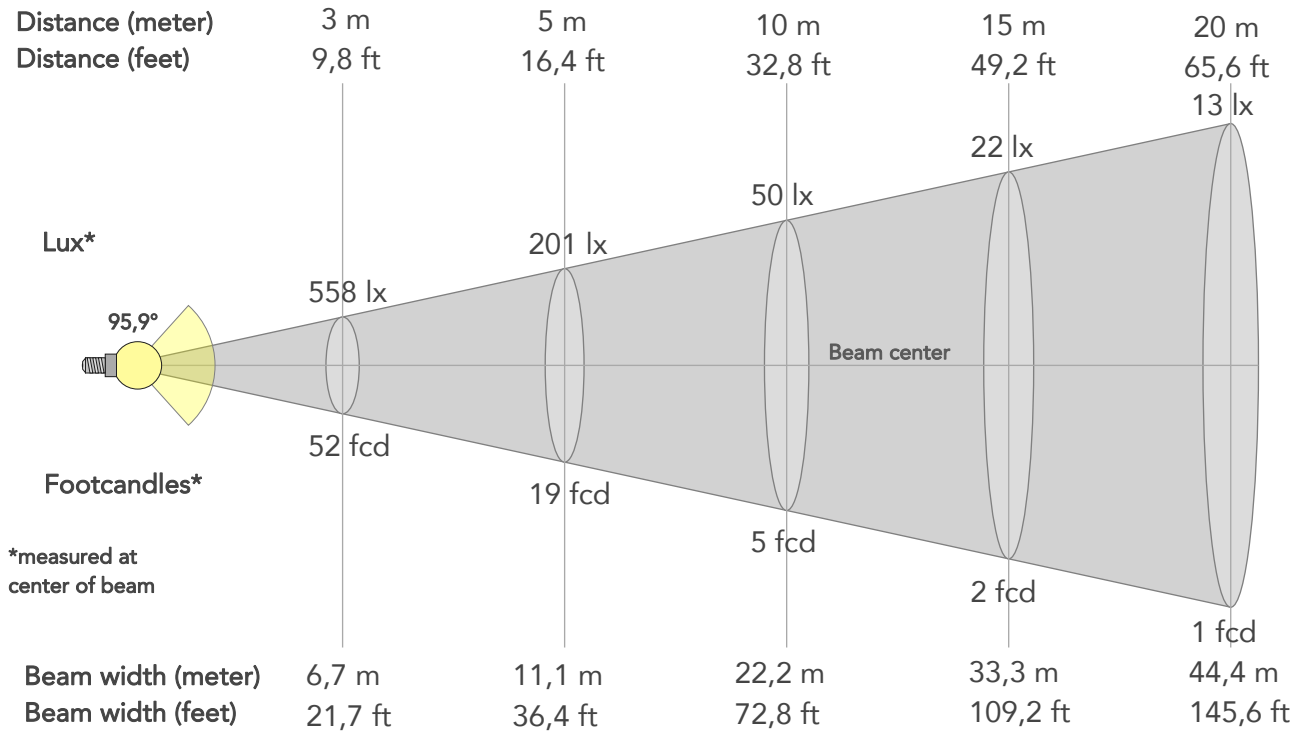
Spectra



# BEAM DETAILS



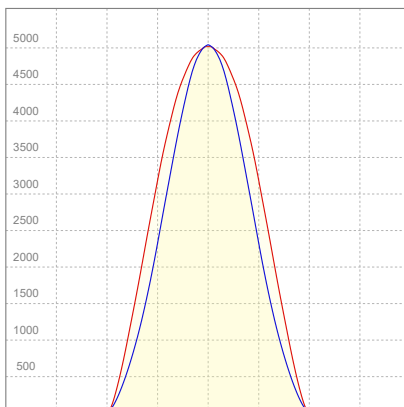
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
95,9°	152,1°	168,9°	82,5%	59,2%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5025lx	1256lx	558lx	314lx	201lx	89lx	50lx	22lx	13lx	8lx	6lx	3lx	2lx
Footcand.	467fcd	117fcd	52fcd	29fcd	19fcd	8fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	2,2m	4,4m	6,7m	8,9m	11,1m	16,6m	22,2m	33,3m	44,4m	55,5m	66,6m	88,8m	111m
Beam wid.	7,3ft	14,6ft	21,7ft	29,1ft	36,4ft	54,6ft	72,8ft	109,2ft	145,6ft	182ft	218,4ft	291,2ft	364ft

## LINEAR DISTRIBUTION DIAGRAM

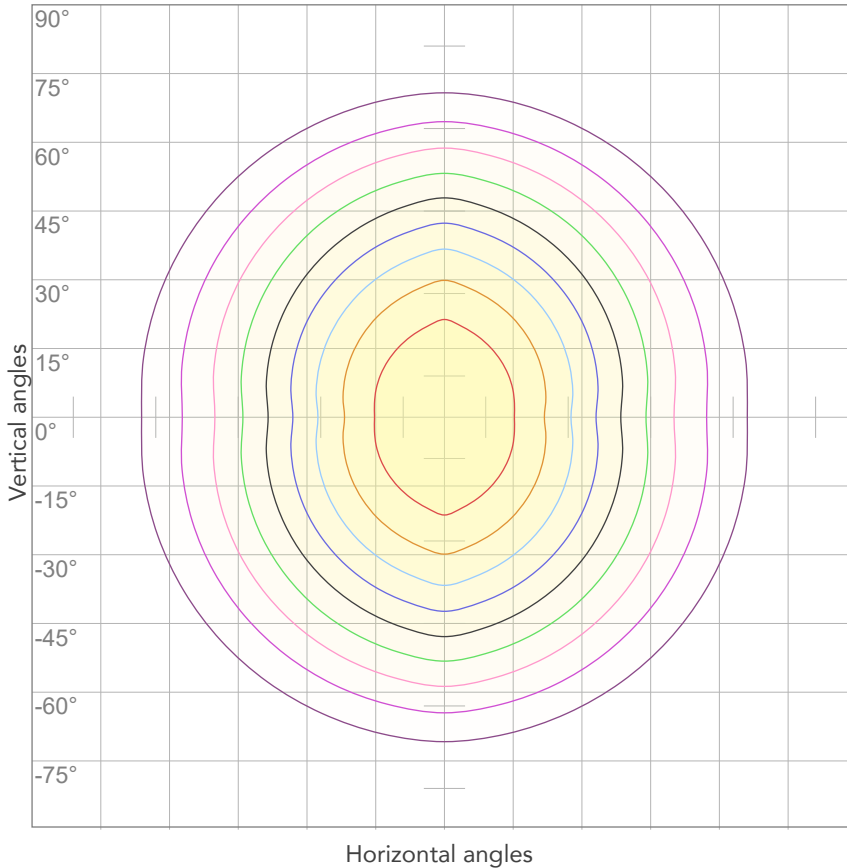


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
223V	1,10A	236,8W	50lm/W

Power FC
0,97

## ISO CANDELA DIAGRAM



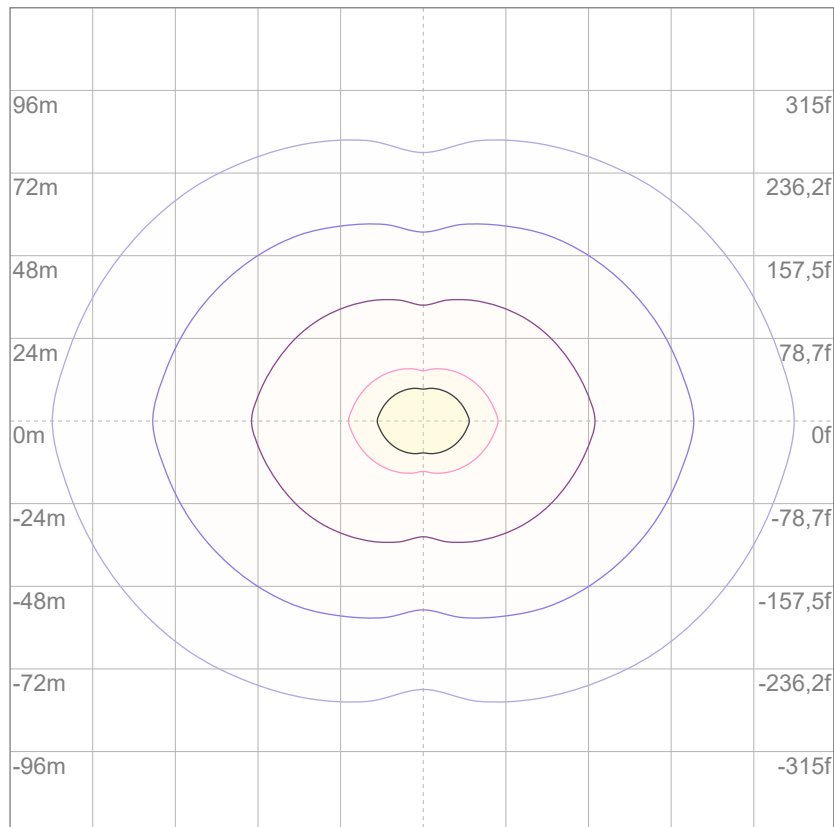
10%	503 cd
20%	1005 cd
30%	1508 cd
40%	2010 cd
50%	2513 cd
60%	3015 cd
70%	3518 cd
80%	4020 cd

Conditions:

Number of c-planes: 4

Candela at center: 5025 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,51 lx
5%	2,51 lx
10%	5,03 lx
30%	15,1 lx
50%	25,1 lx

Conditions:

Number of c-planes: 4

Lux at center: 50,3 lx

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

Total lumen output:

10487 lm

Peak candela output:

5627 cd



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASUREMENT CONDITIONS:**

Beam angle:

Filter INT

Target:

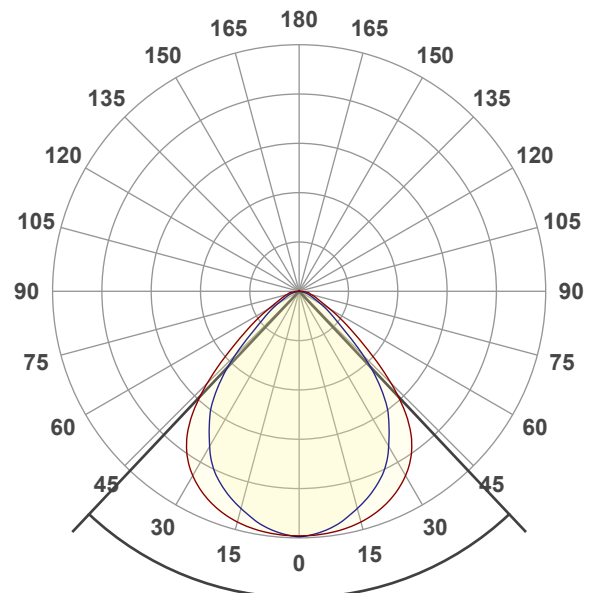
Full On Call.On

Operator:

Paolo Carvone

Date and time:

22/08/2022 18:04:16

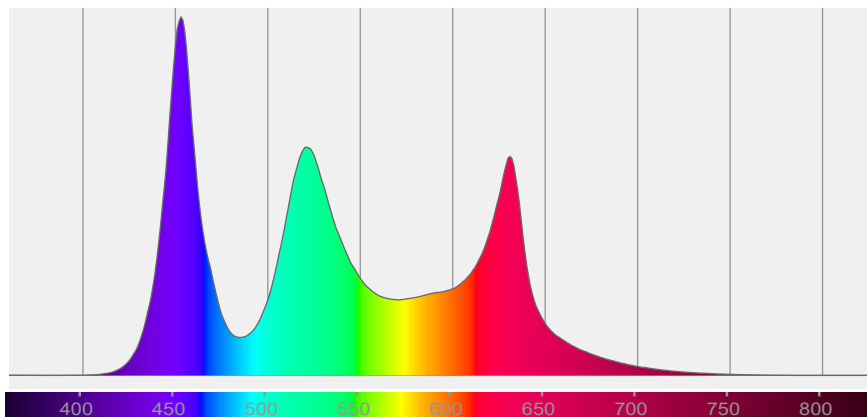


Beam angle 50%: 86,6°

Field angle 10%: 124,4°

Cut off angle 2.5%: 160,1°

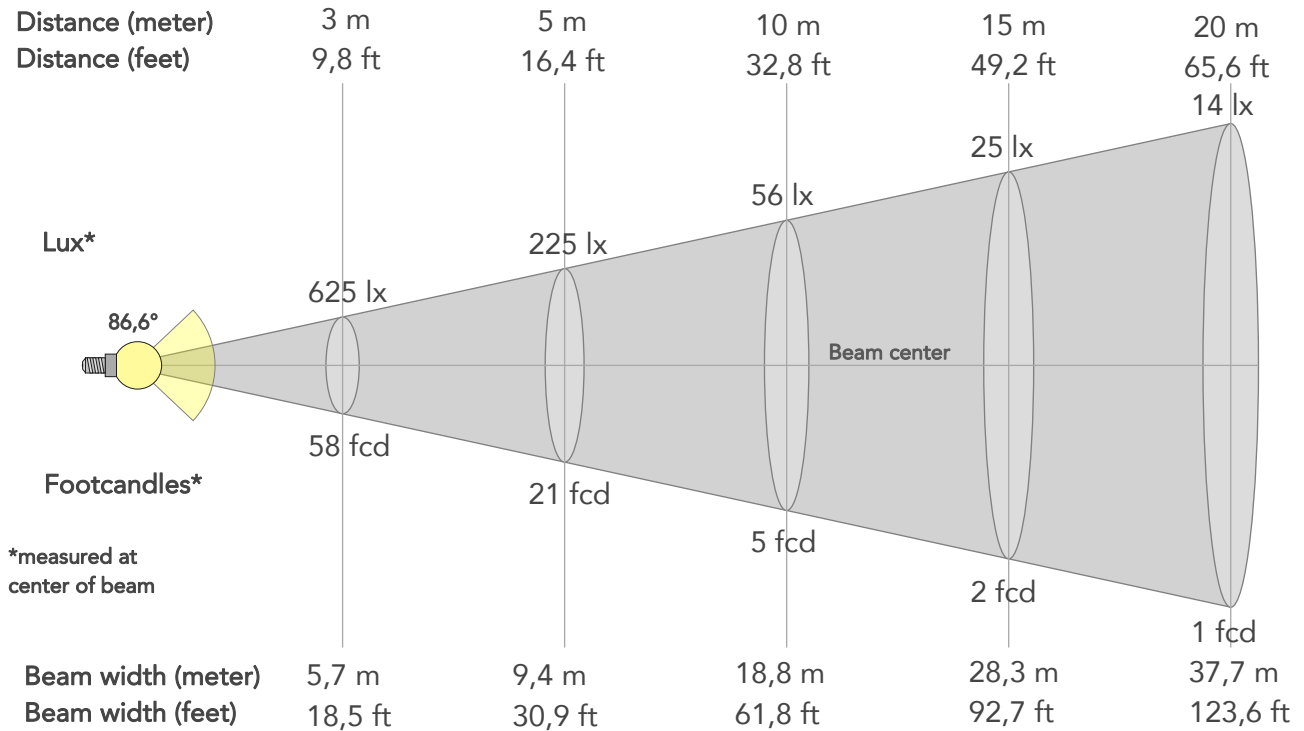
Spectra



# BEAM DETAILS



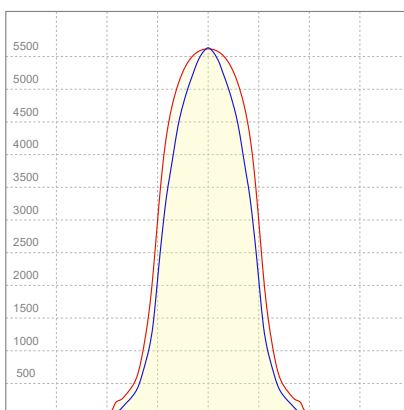
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
86,6°	124,4°	160,1°	92,5%	75,1%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5621lx	1405lx	625lx	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.	1,9m	3,8m	5,7m	7,5m	9,4m	14,1m	18,8m	28,3m	37,7m	47,1m	56,5m	75,4m	94,2m
Beam wid.	6,2ft	12,4ft	18,5ft	24,7ft	30,9ft	46,4ft	61,8ft	92,7ft	123,6ft	154,5ft	185,5ft	247,3ft	309,1ft

## LINEAR DISTRIBUTION DIAGRAM

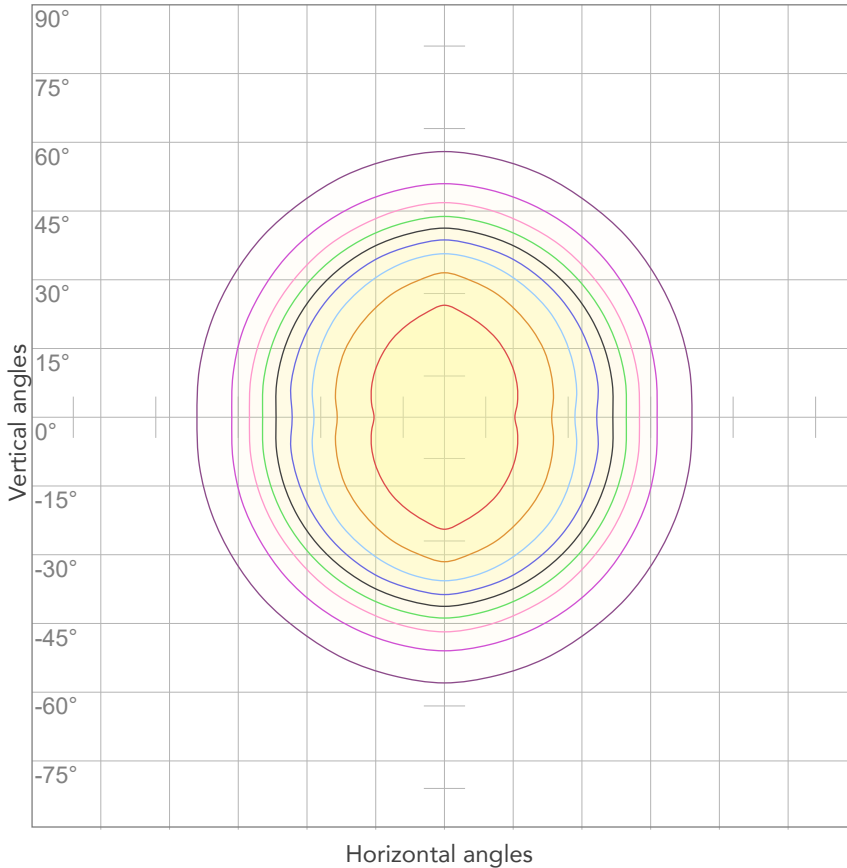


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
223V	1,09A	234,8W	45lm/W

Power FC
0,97

## ISO CANDELA DIAGRAM



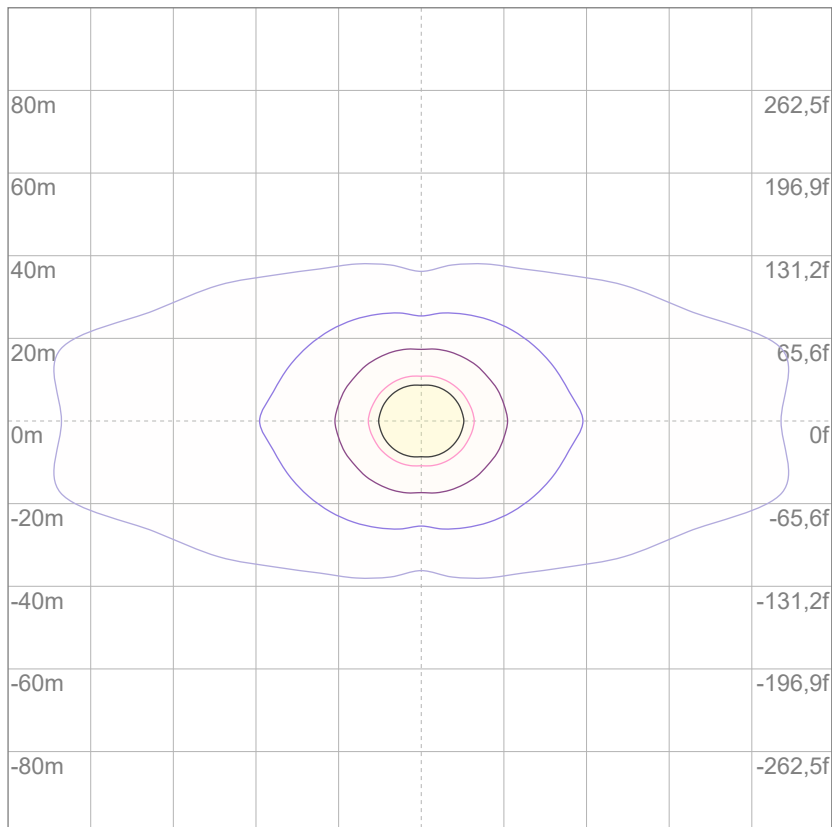
10%	562 cd
20%	1124 cd
30%	1686 cd
40%	2248 cd
50%	2810 cd
60%	3372 cd
70%	3934 cd
80%	4497 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 5621 cd

## ISO LUX DIAGRAM



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: 4

Lux at center: 56,2 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

3362 lm

Peak candela output:

1165 cd

**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASUREMENT CONDITIONS:**

Beam angle:

Filter HD

Target:

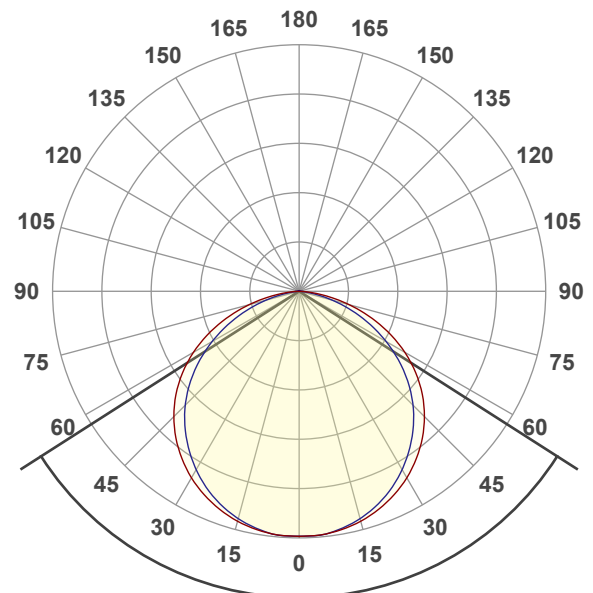
Red

Operator:

Paolo Carvone

Date and time:

22/08/2022 17:38:02

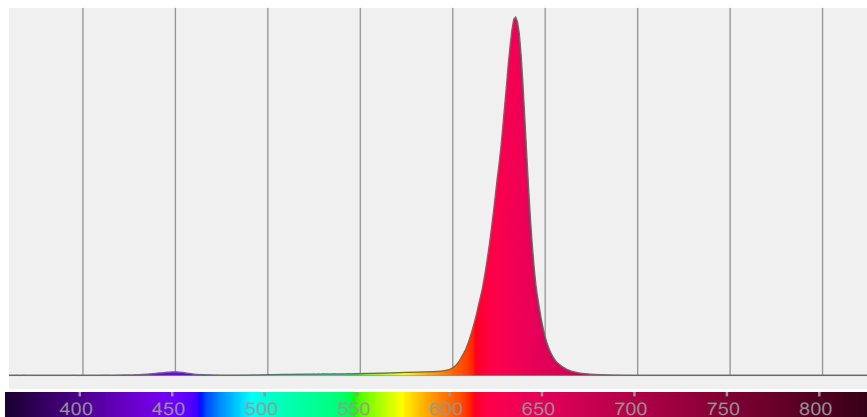


Beam angle 50%: 114,8°

Field angle 10%: 158,5°

Cut off angle 2.5%: 169,6°

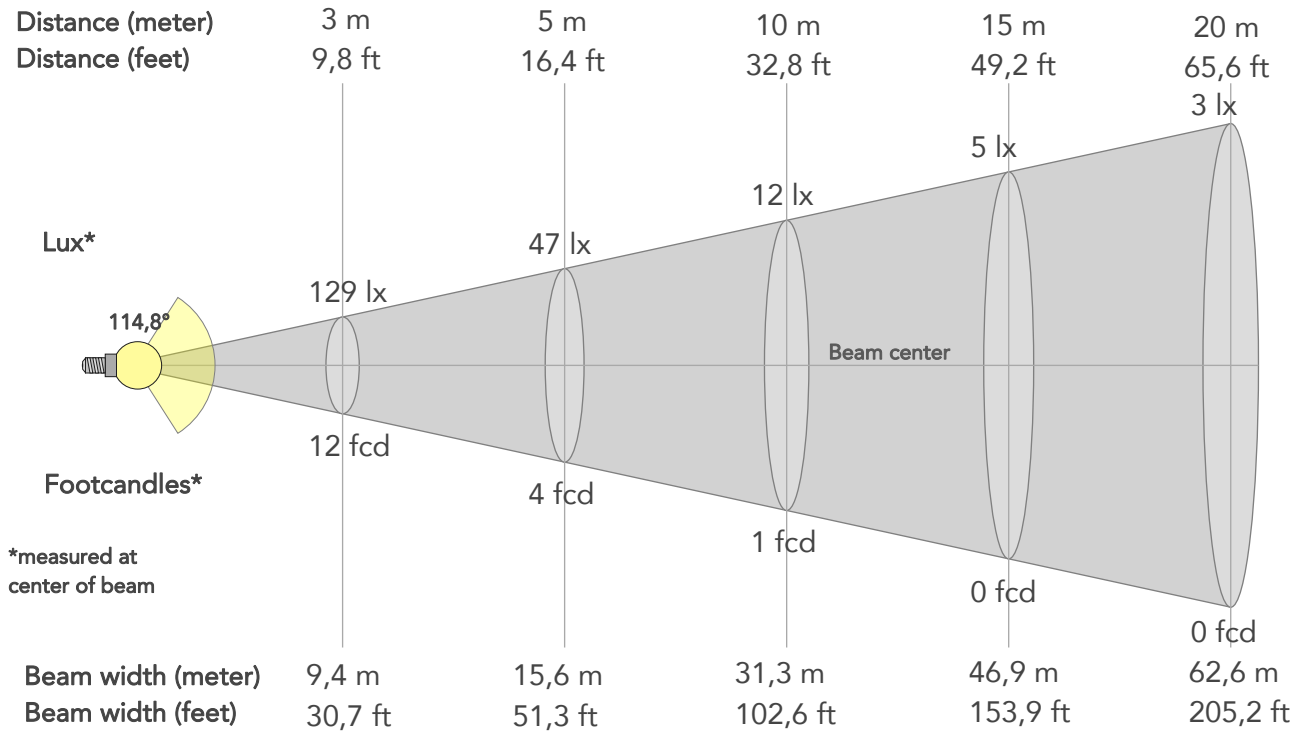
Spectra



# BEAM DETAILS



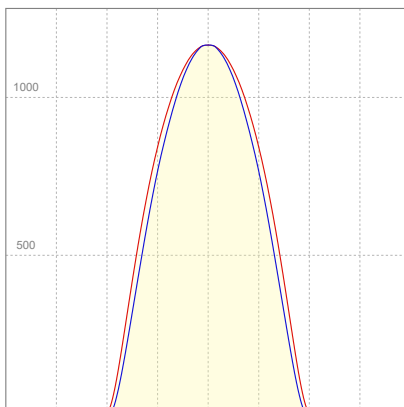
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
114,8°	158,5°	169,6°	79,8%	53,9%



## 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	1165lx	291lx	129lx	73lx	47lx	21lx	12lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	108fcd	27fcd	12fcd	7fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	3,1m	6,3m	9,4m	12,5m	15,6m	23,5m	31,3m	46,9m	62,6m	78,2m	93,8m	125,1m	156,4m
Beam wid.	10,3ft	20,6ft	30,7ft	41ft	51,3ft	76,9ft	102,6ft	153,9ft	205,2ft	256,5ft	307,8ft	410,4ft	512,9ft

## LINEAR DISTRIBUTION DIAGRAM

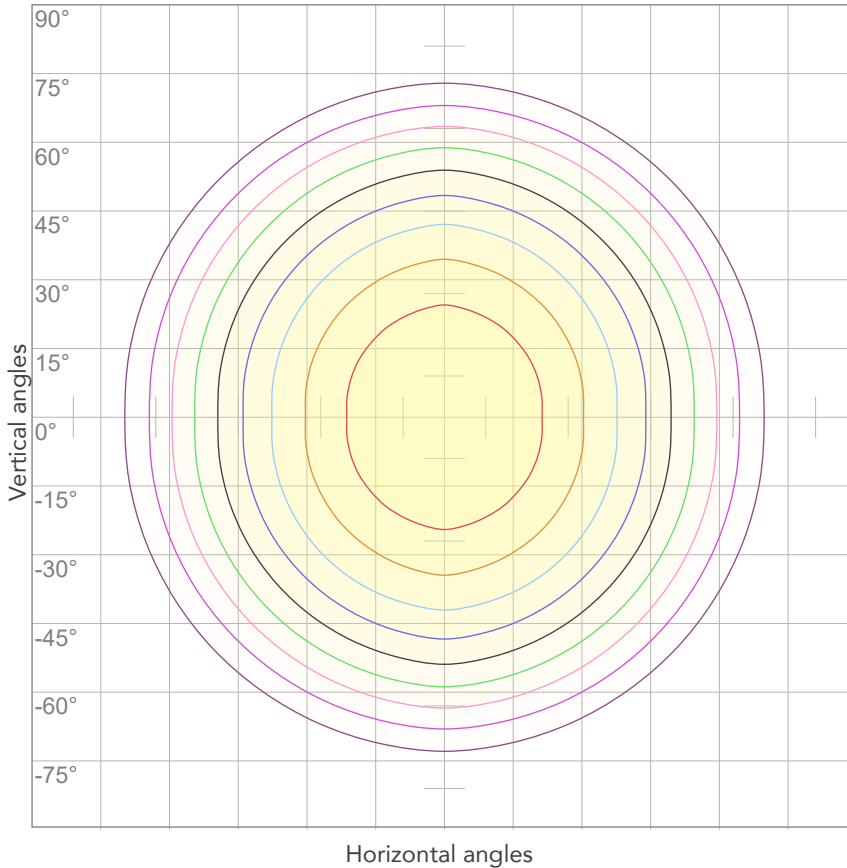


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	0,887A	187,8W	18lm/W

Power FC
0,95

## ISO CANDELA DIAGRAM



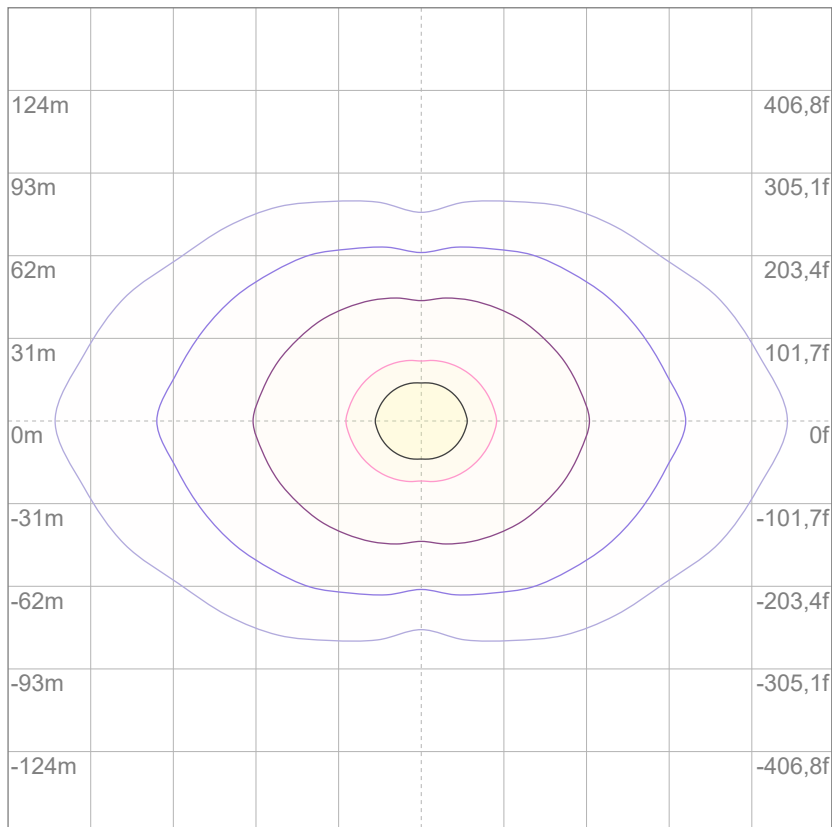
10%	116 cd
20%	233 cd
30%	349 cd
40%	466 cd
50%	582 cd
60%	699 cd
70%	815 cd
80%	932 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 1165 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,349 lx
5%	0,582 lx
10%	1,16 lx
30%	3,49 lx
50%	5,82 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 11,6 lx

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

Total lumen output:

4392 lm

Peak candela output:

1777 cd



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASUREMENT CONDITIONS:**

Beam angle:

Filter MD

Target:

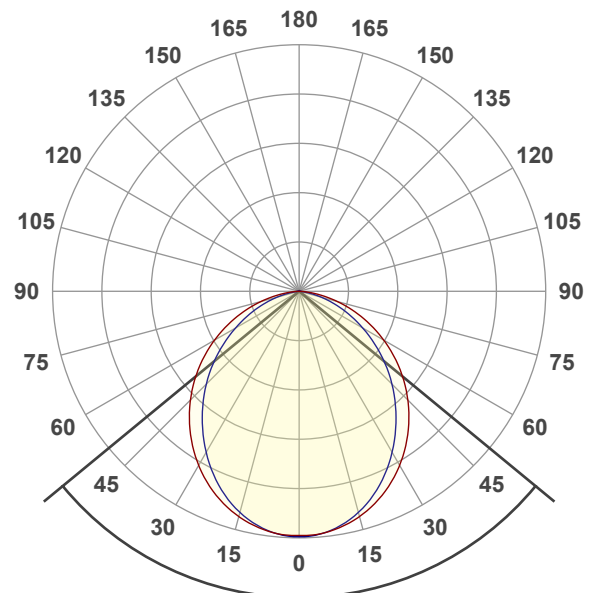
Red

Operator:

Paolo Carvone

Date and time:

22/08/2022 17:14:58

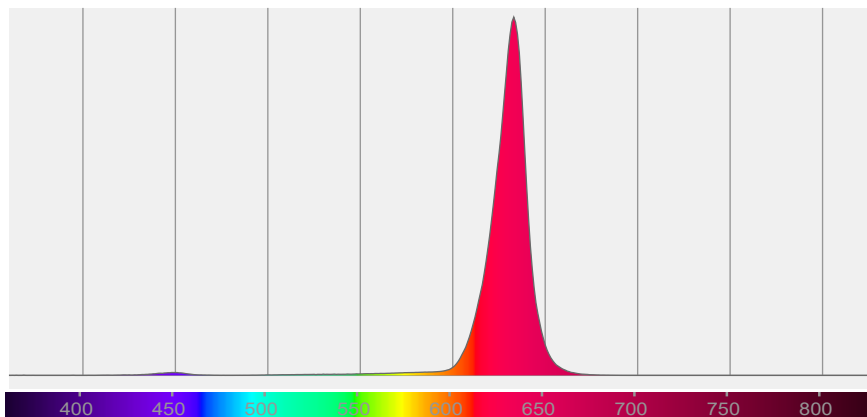


Beam angle 50%: 101°

Field angle 10%: 153,8°

Cut off angle 2.5%: 167,4°

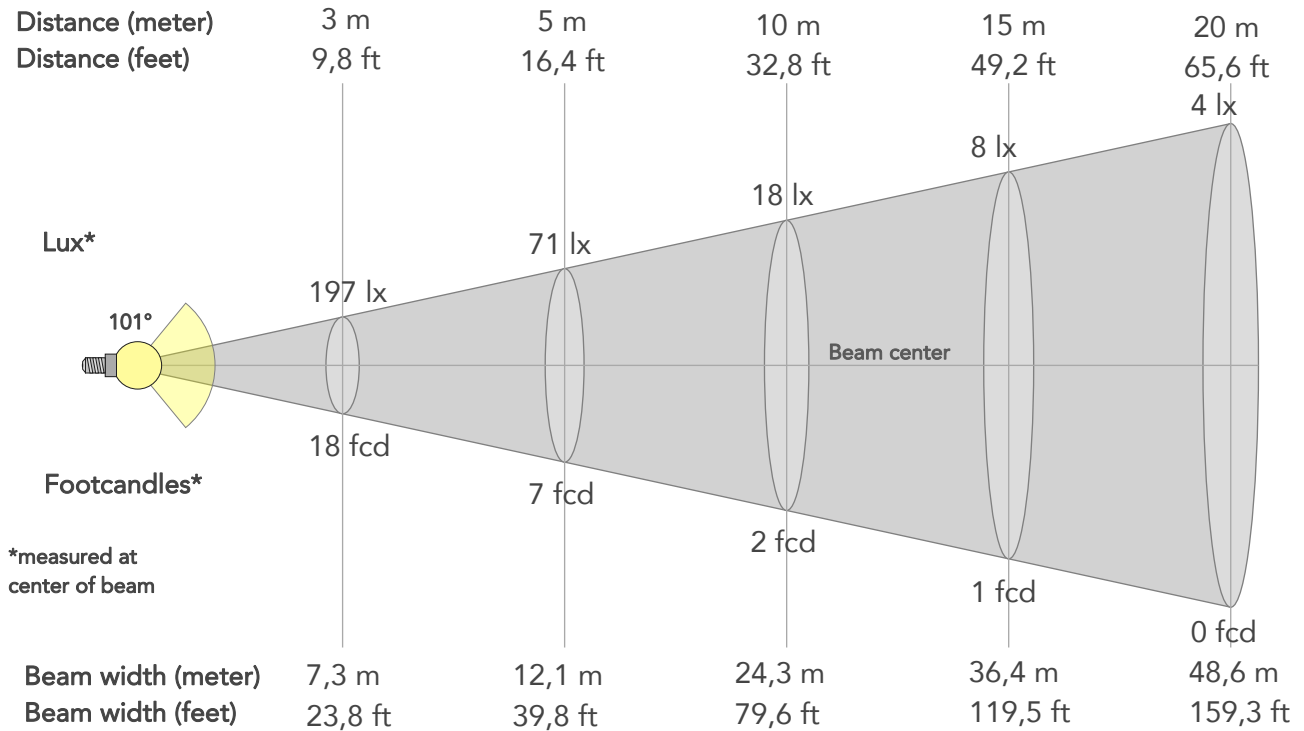
Spectra



# BEAM DETAILS



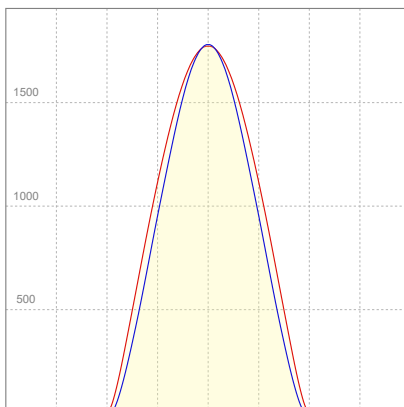
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
101°	153,8°	167,4°	82,3%	58,0%



## 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	1773lx	443lx	197lx	111lx	71lx	32lx	18lx	8lx	4lx	3lx	2lx	1lx	1lx
Footcand.	165fcd	41fcd	18fcd	10fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	2,4m	4,9m	7,3m	9,7m	12,1m	18,2m	24,3m	36,4m	48,6m	60,7m	72,8m	97,1m	121,4m
Beam wid.	8ft	16ft	23,8ft	31,8ft	39,8ft	59,7ft	79,6ft	119,5ft	159,3ft	199,1ft	238,9ft	318,5ft	398,2ft

## LINEAR DISTRIBUTION DIAGRAM

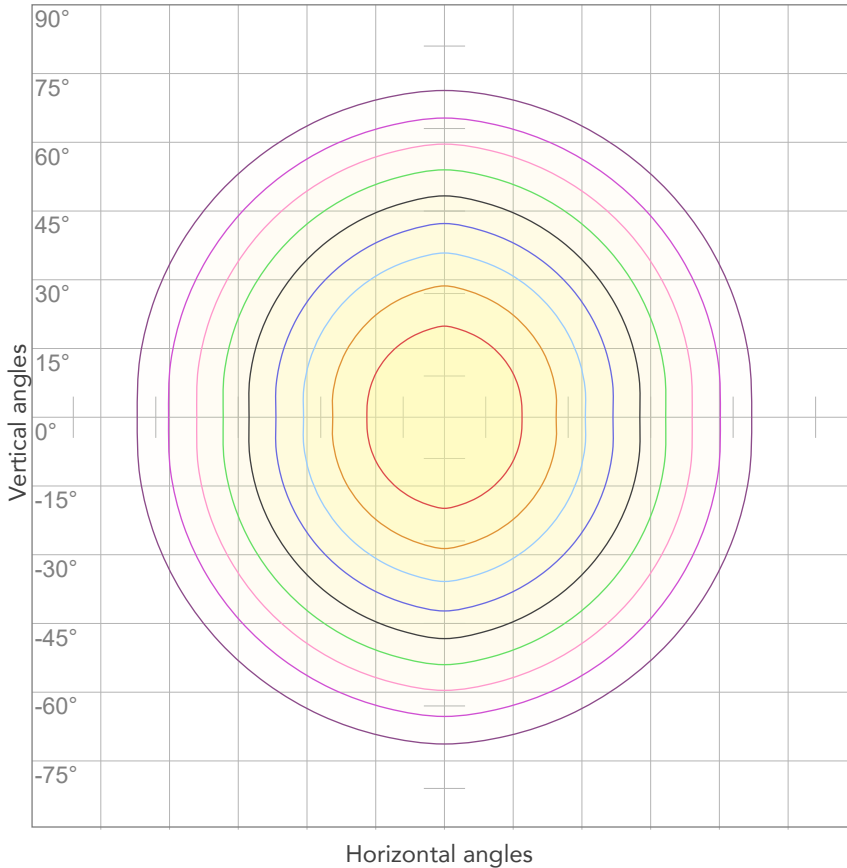


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,887A	188,8W	23lm/W

Power FC
0,95

## ISO CANDELA DIAGRAM



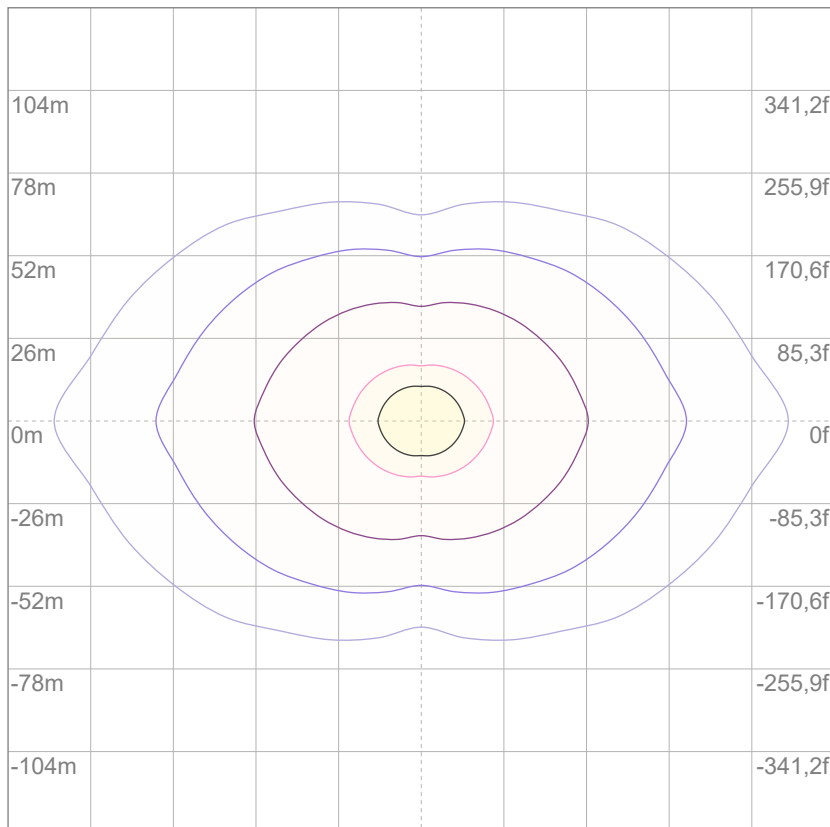
10%	177 cd
20%	355 cd
30%	532 cd
40%	709 cd
50%	887 cd
60%	1064 cd
70%	1241 cd
80%	1419 cd

Conditions:

Number of c-planes: 4

Candela at center: 1773 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,532 lx
5%	0,887 lx
10%	1,77 lx
30%	5,32 lx
50%	8,87 lx

Conditions:

Number of c-planes: 4

Lux at center: 17,7 lx

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

Total lumen output:

5021 lm

Peak candela output:

2168 cd



PRODUCT NAME:

ECLSOFTLINEARIP

MEASUREMENT CONDITIONS:

Beam angle:

Filter LD

Target:

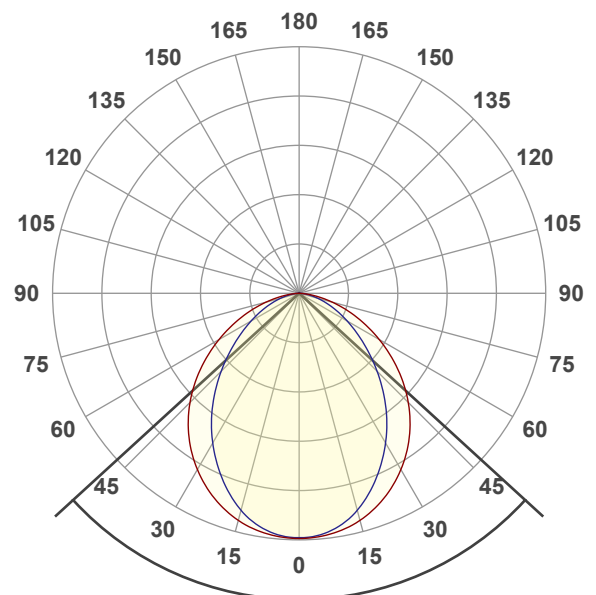
Red

Operator:

Paolo Carvone

Date and time:

23/08/2022 11:01:09

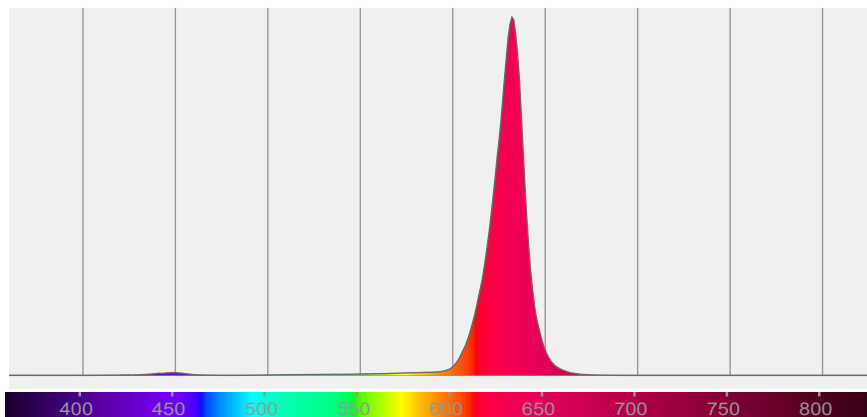


Beam angle 50%: 95,1°

Field angle 10%: 150,4°

Cut off angle 2.5%: 168,2°

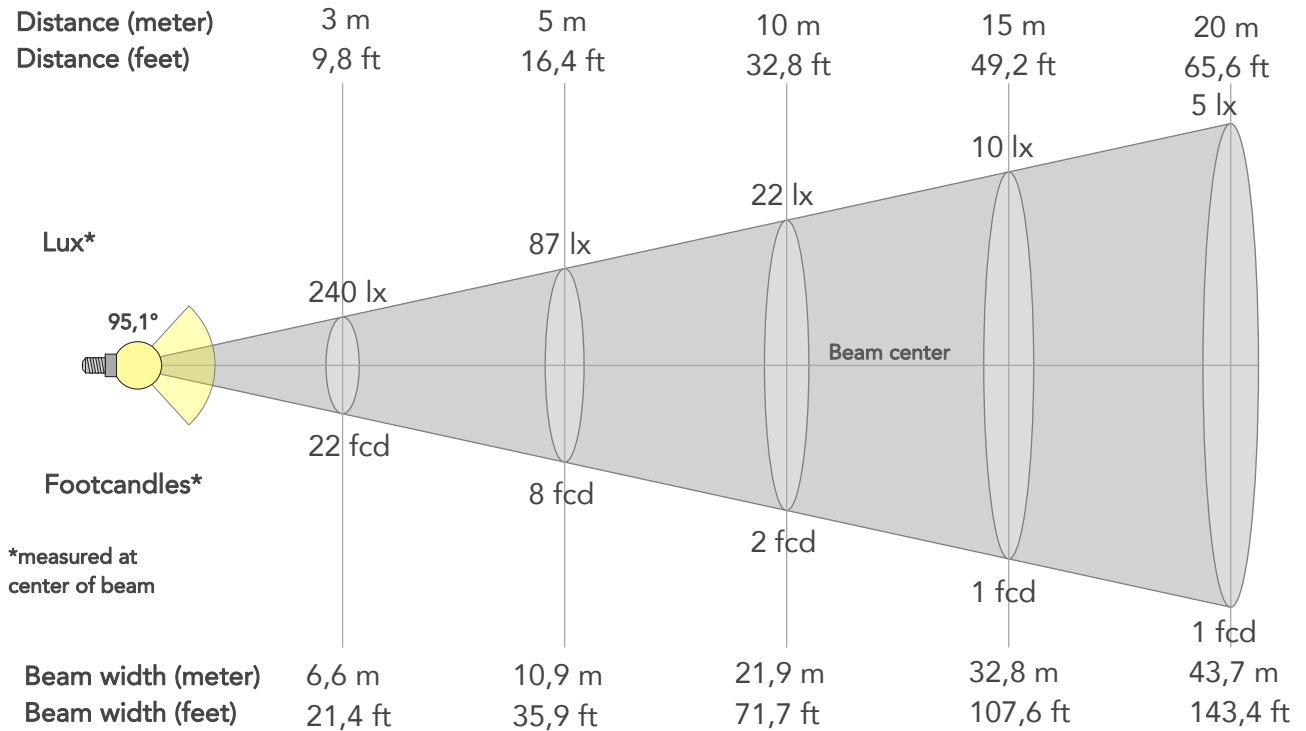
Spectra



# BEAM DETAILS



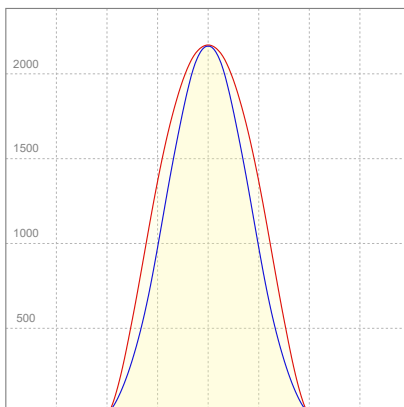
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
95,1°	150,4°	168,2°	83,4%	60,1%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2164lx	541lx	240lx	135lx	87lx	38lx	22lx	10lx	5lx	3lx	2lx	1lx	1lx
Footcand.	201fcd	50fcd	22fcd	13fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	2,2m	4,4m	6,6m	8,7m	10,9m	16,4m	21,9m	32,8m	43,7m	54,7m	65,6m	87,5m	109,3m
Beam wid.	7,2ft	14,4ft	21,4ft	28,6ft	35,9ft	53,8ft	71,7ft	107,6ft	143,4ft	179,3ft	215,2ft	286,9ft	358,6ft

## LINEAR DISTRIBUTION DIAGRAM



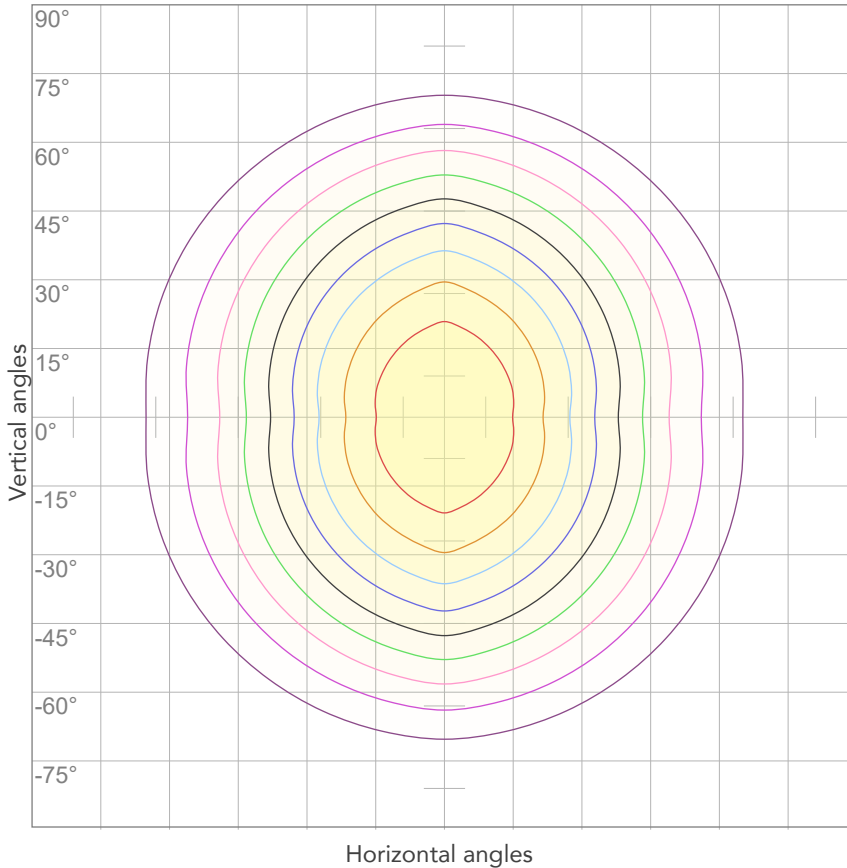
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,891A	189,6W	26lm/W

Power FC
0,95



## ISO CANDELA DIAGRAM



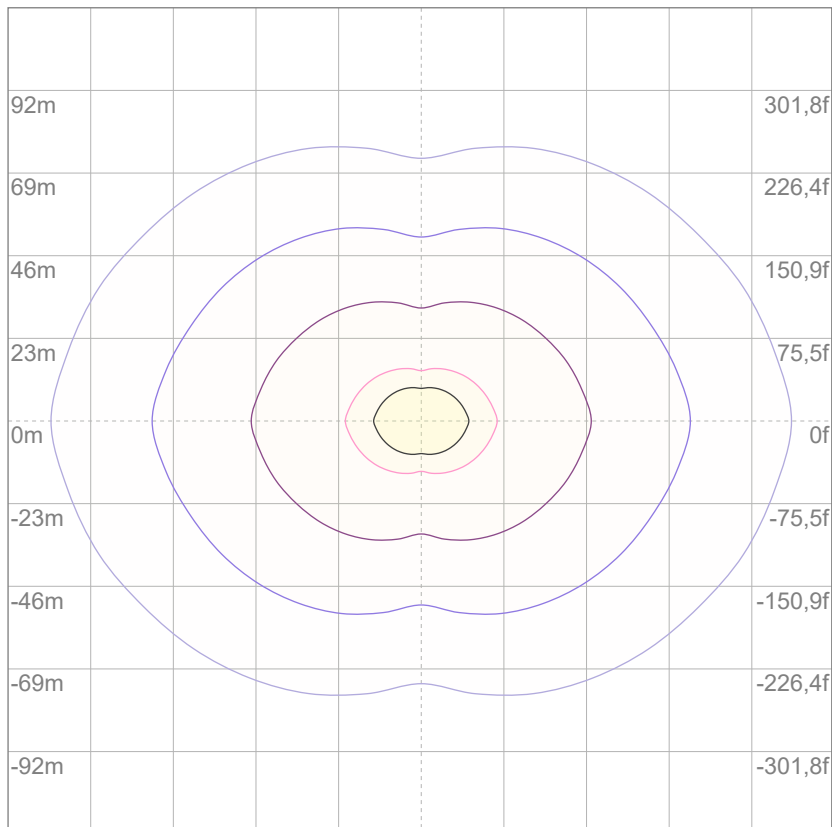
10%	216 cd
20%	433 cd
30%	649 cd
40%	866 cd
50%	1082 cd
60%	1299 cd
70%	1515 cd
80%	1731 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 2164 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,649 lx
5%	1,08 lx
10%	2,16 lx
30%	6,49 lx
50%	10,8 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 21,6 lx

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

Total lumen output:

3913 lm

Peak candela output:

2135 cd



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASUREMENT CONDITIONS:**

Beam angle:

Filter INT

Target:

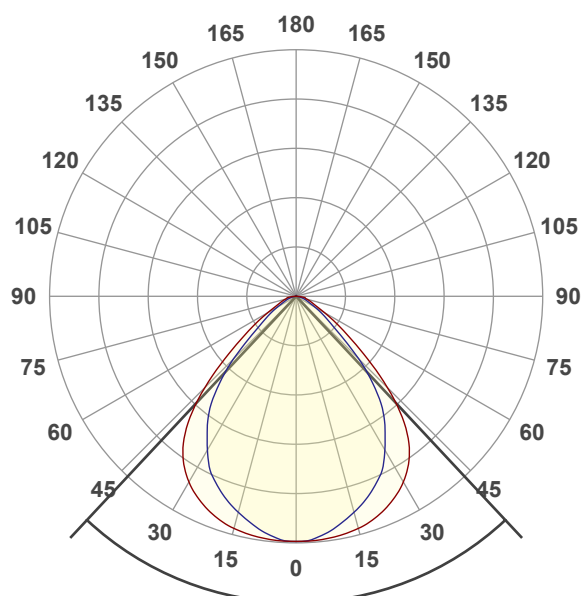
Red

Operator:

Paolo Carvone

Date and time:

22/08/2022 18:07:14

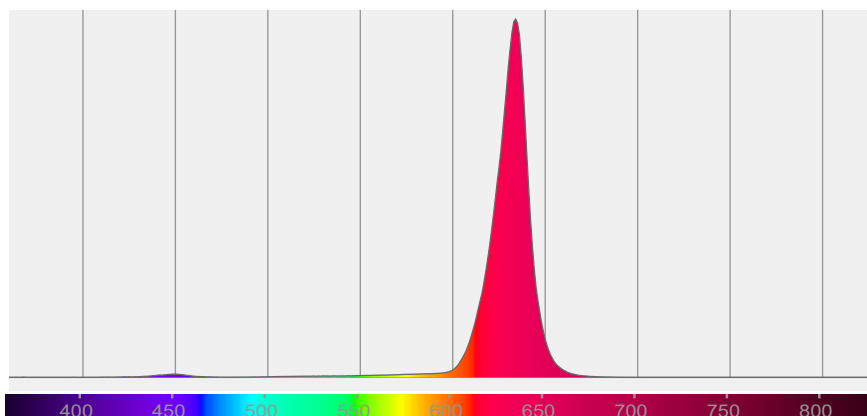


Beam angle 50%: 86,2°

Field angle 10%: 122°

Cut off angle 2.5%: 158,5°

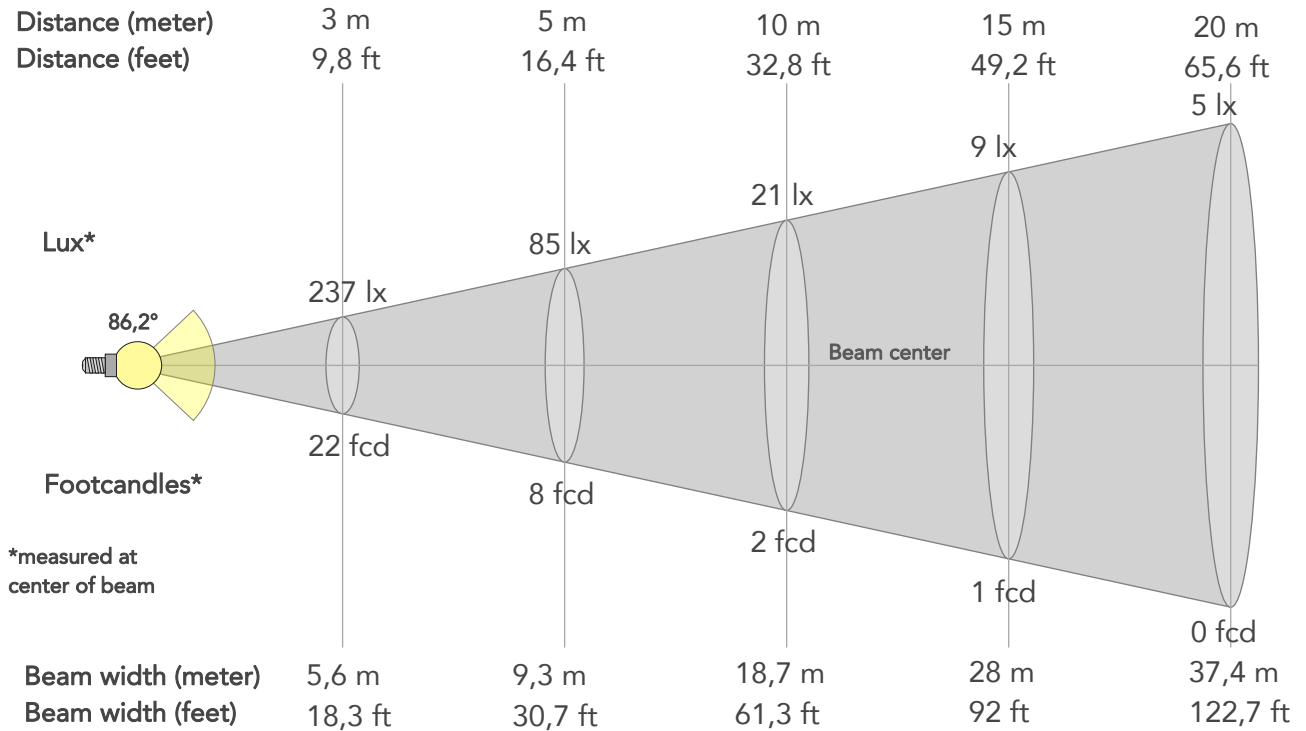
Spectra



# BEAM DETAILS



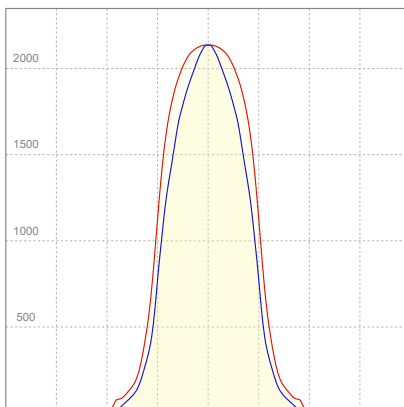
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
86,2°	122°	158,5°	93,1%	76,3%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2134lx	534lx	237lx	133lx	85lx	38lx	21lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	198fcd	50fcd	22fcd	12fcd	8fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,9m	3,7m	5,6m	7,5m	9,3m	14m	18,7m	28m	37,4m	46,7m	56,1m	74,8m	93,5m
Beam wid.	6,2ft	12,3ft	18,3ft	24,5ft	30,7ft	46ft	61,3ft	92ft	122,7ft	153,3ft	184ft	245,3ft	306,7ft

## LINEAR DISTRIBUTION DIAGRAM

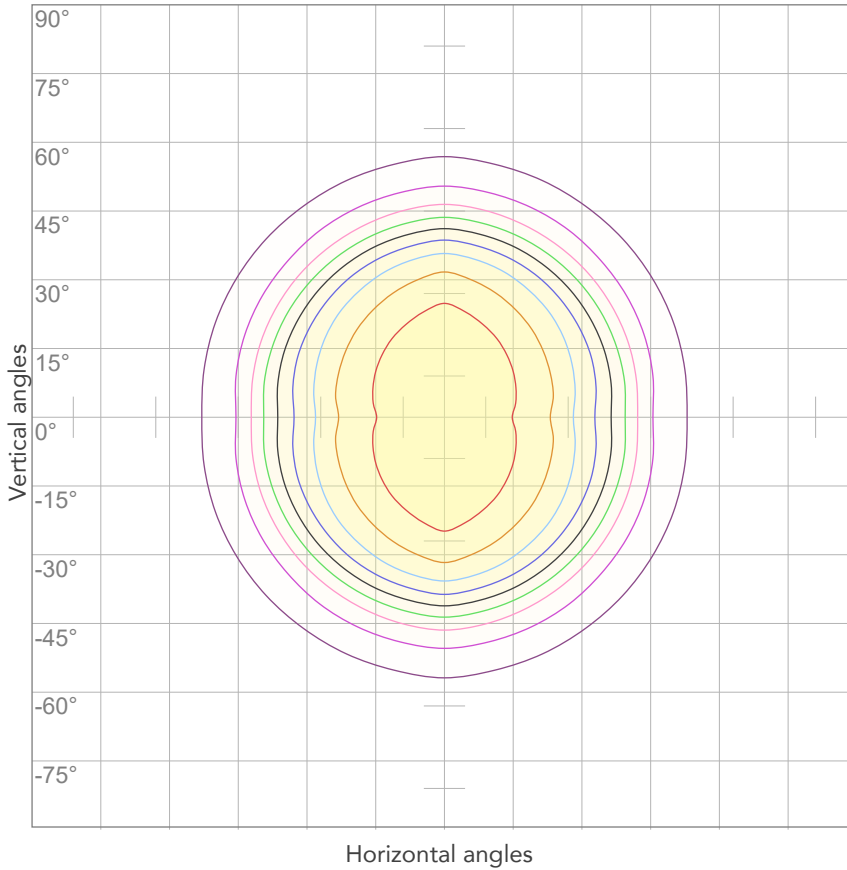


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	0,884A	187,6W	21lm/W

Power FC
0,95

## ISO CANDELA DIAGRAM



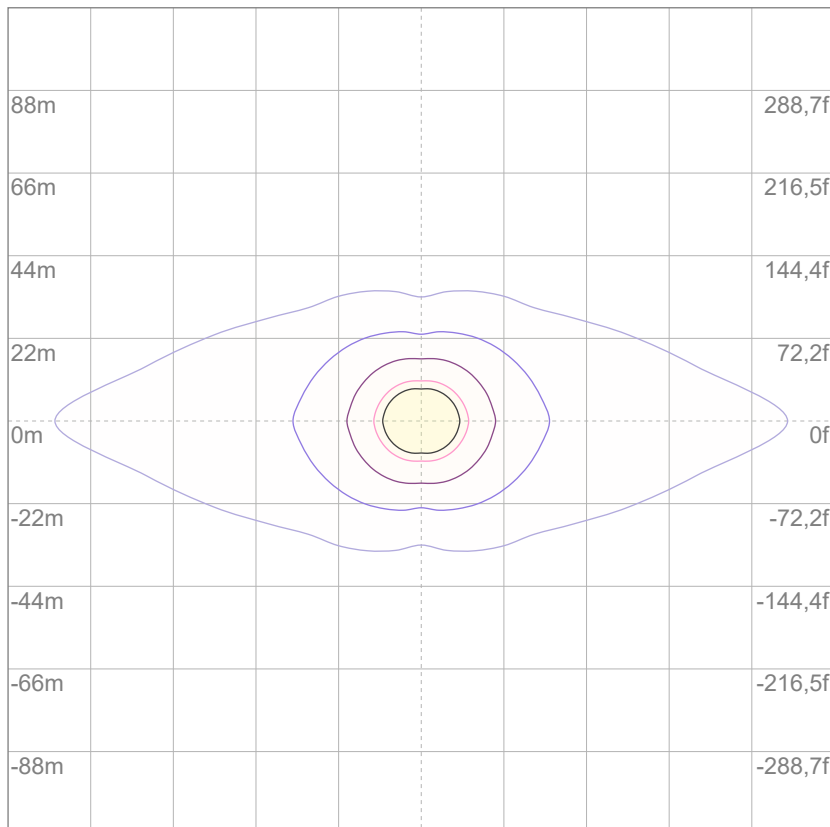
10%	213 cd
20%	427 cd
30%	640 cd
40%	854 cd
50%	1067 cd
60%	1281 cd
70%	1494 cd
80%	1707 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 2134 cd

## ISO LUX DIAGRAM



3%	0,640 lx
5%	1,07 lx
10%	2,13 lx
30%	6,40 lx
50%	10,7 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 21,3 lx

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

Mounting height: 10 meters (33 feet)

Total lumen output:

10335 lm

Peak candela output:

3529 cd



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASUREMENT CONDITIONS:**

Beam angle:

Filter HD

Target:

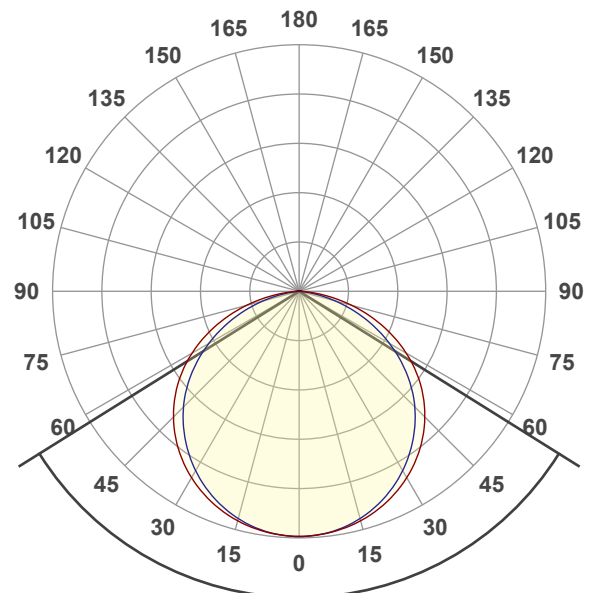
Green

Operator:

Paolo Carvone

Date and time:

22/08/2022 17:39:59

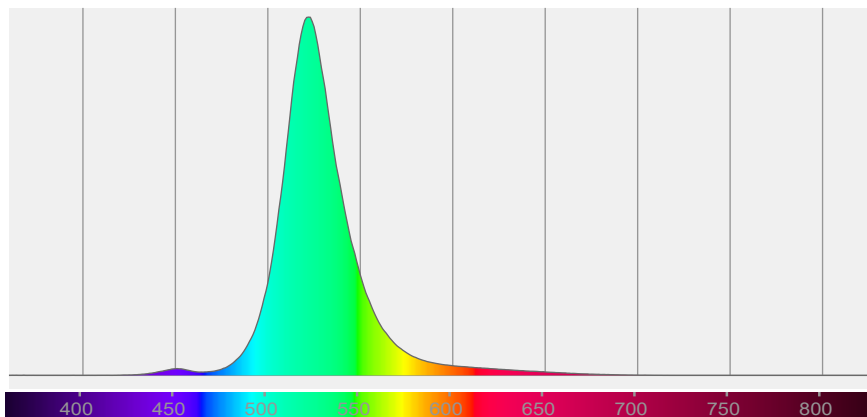


Beam angle 50%: 116°

Field angle 10%: 159,6°

Cut off angle 2.5%: 170°

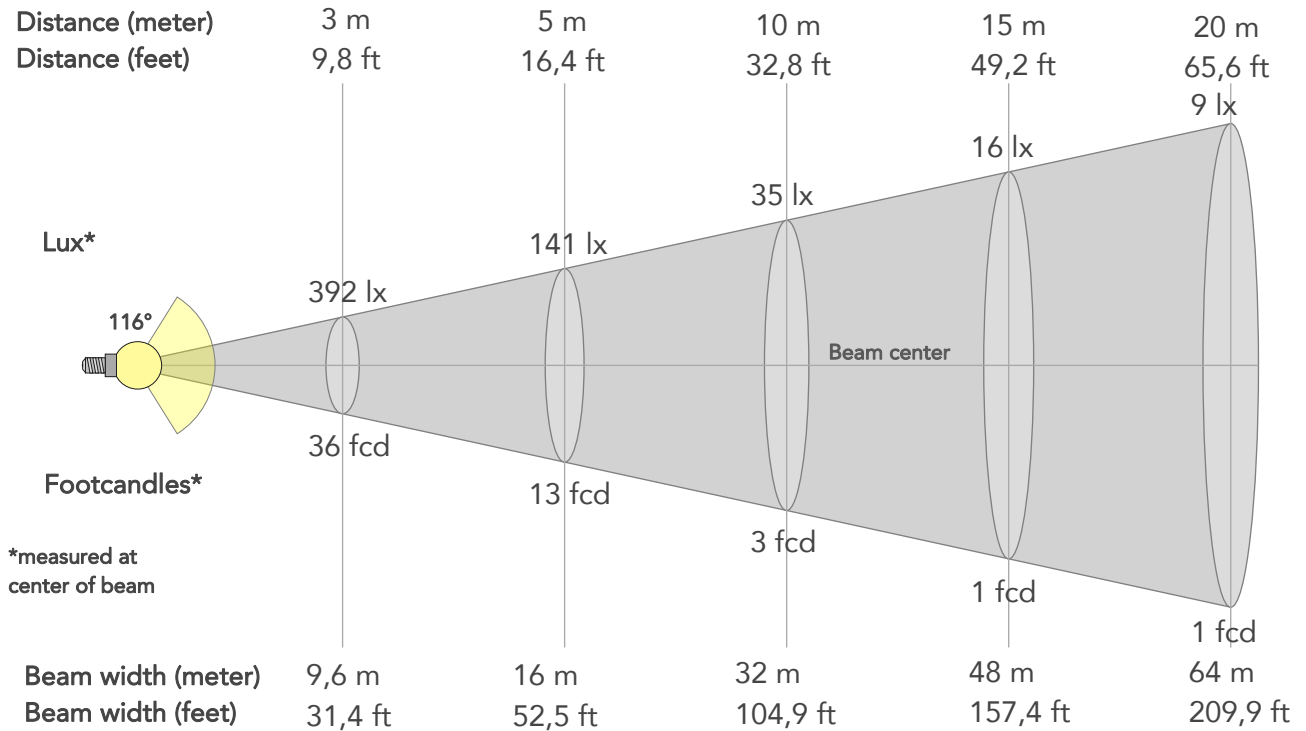
Spectra



# BEAM DETAILS



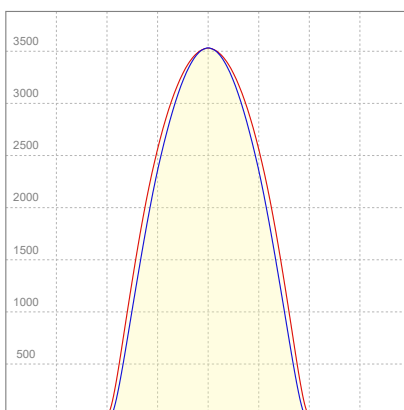
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
116°	159,6°	170°	79,2%	53,3%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3527lx	882lx	392lx	220lx	141lx	63lx	35lx	16lx	9lx	6lx	4lx	2lx	1lx
Footcand.	328fcd	82fcd	36fcd	20fcd	13fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	3,2m	6,4m	9,6m	12,8m	16m	24m	32m	48m	64m	80m	96m	128m	160m
Beam wid.	10,6ft	21,1ft	31,4ft	41,9ft	52,5ft	78,7ft	104,9ft	157,4ft	209,9ft	262,4ft	314,8ft	419,8ft	524,7ft

## LINEAR DISTRIBUTION DIAGRAM

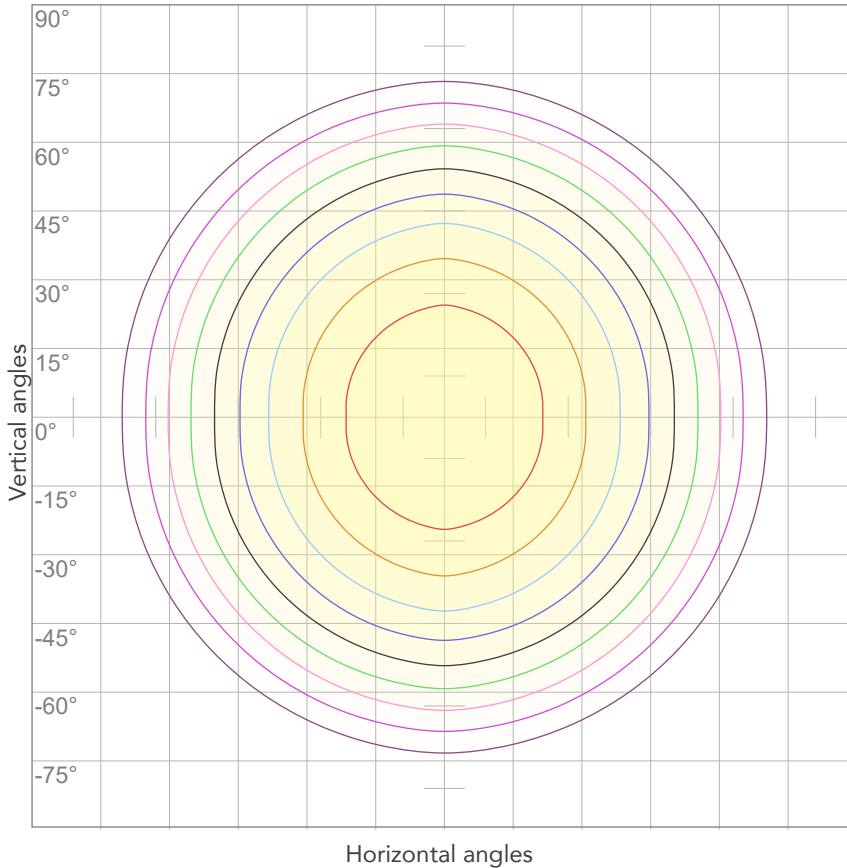


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	1,06A	228W	45lm/W

Power FC
0,96

## ISO CANDELA DIAGRAM



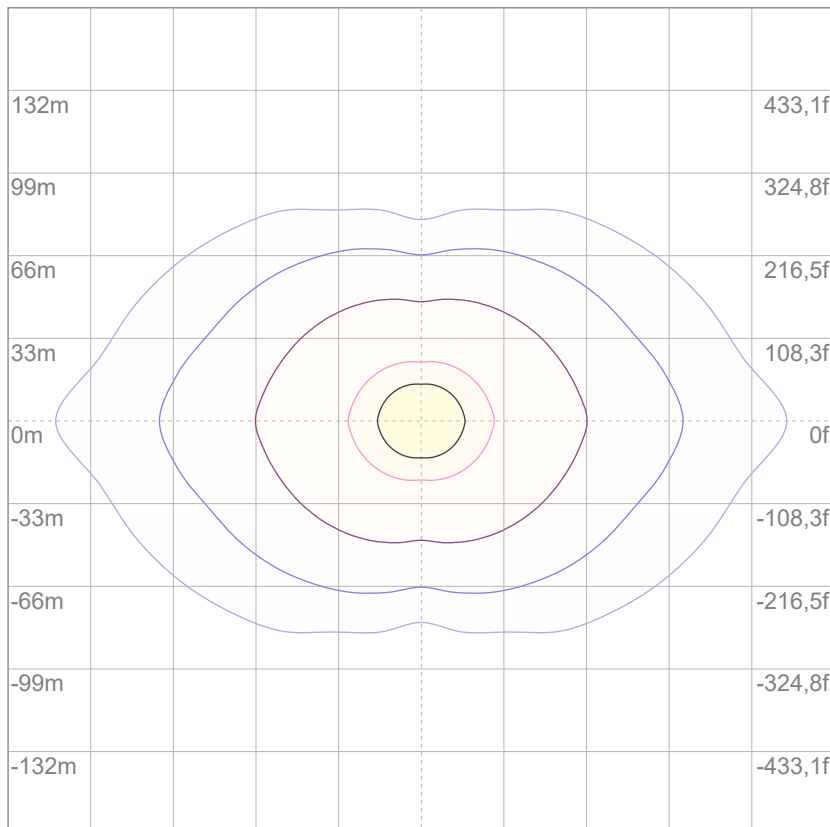
10%	353 cd
20%	705 cd
30%	1058 cd
40%	1411 cd
50%	1764 cd
60%	2116 cd
70%	2469 cd
80%	2822 cd

Conditions:

Number of c-planes: 4

Candela at center: 3527 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,06 lx
5%	1,76 lx
10%	3,53 lx
30%	10,6 lx
50%	17,6 lx

Conditions:

Number of c-planes: 4

Lux at center: 35,3 lx

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

Total lumen output:

12521 lm

Peak candela output:

4858 cd



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASUREMENT CONDITIONS:**

Beam angle:

Filter MD

Target:

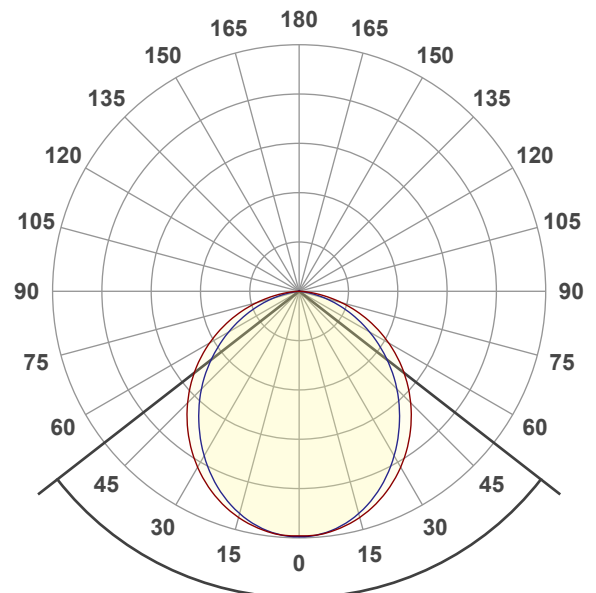
Green

Operator:

Paolo Carvone

Date and time:

22/08/2022 17:16:29

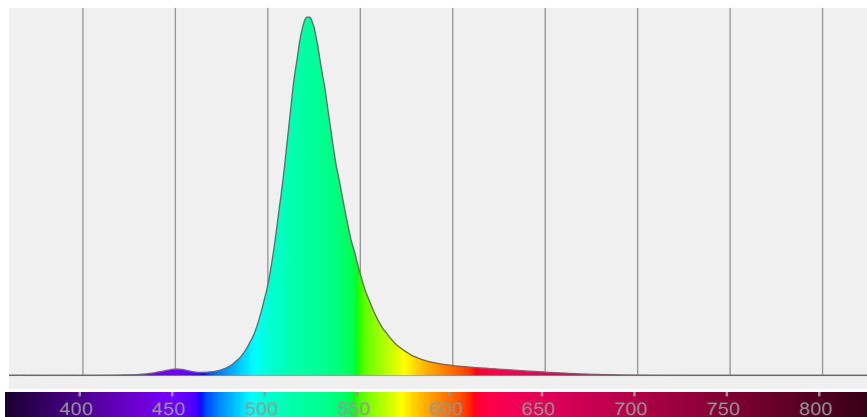


Beam angle 50%: 104,2°

Field angle 10%: 155,9°

Cut off angle 2.5%: 168,3°

Spectra

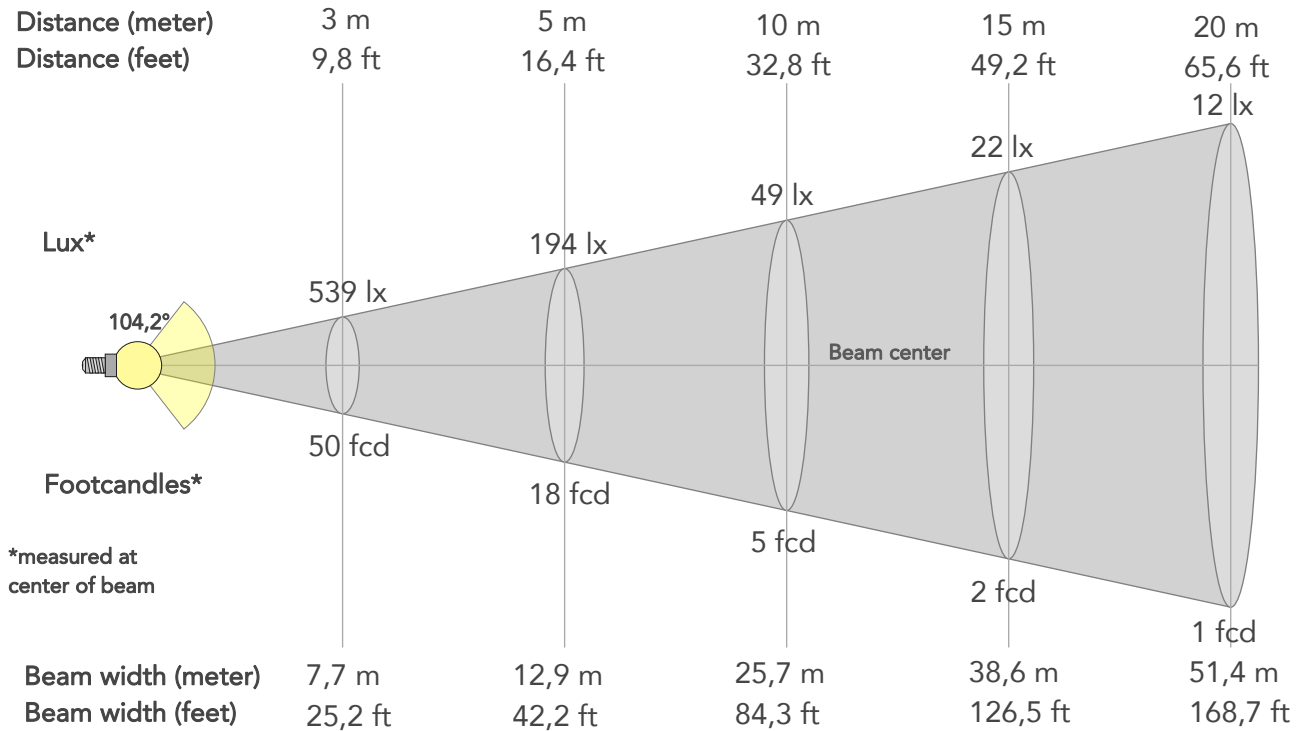




# BEAM DETAILS



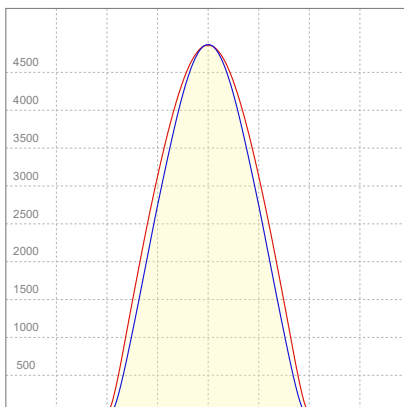
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
104,2°	155,9°	168,3°	81,2%	56,5%



## 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	4853lx	1213lx	539lx	303lx	194lx	86lx	49lx	22lx	12lx	8lx	5lx	3lx	2lx
Footcand.	451fcd	113fcd	50fcd	28fcd	18fcd	8fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	2,6m	5,1m	7,7m	10,3m	12,9m	19,3m	25,7m	38,6m	51,4m	64,3m	77,1m	102,8m	128,5m
Beam wid.	8,5ft	17ft	25,2ft	33,7ft	42,2ft	63,2ft	84,3ft	126,5ft	168,7ft	210,8ft	253ft	337,3ft	421,6ft

## LINEAR DISTRIBUTION DIAGRAM

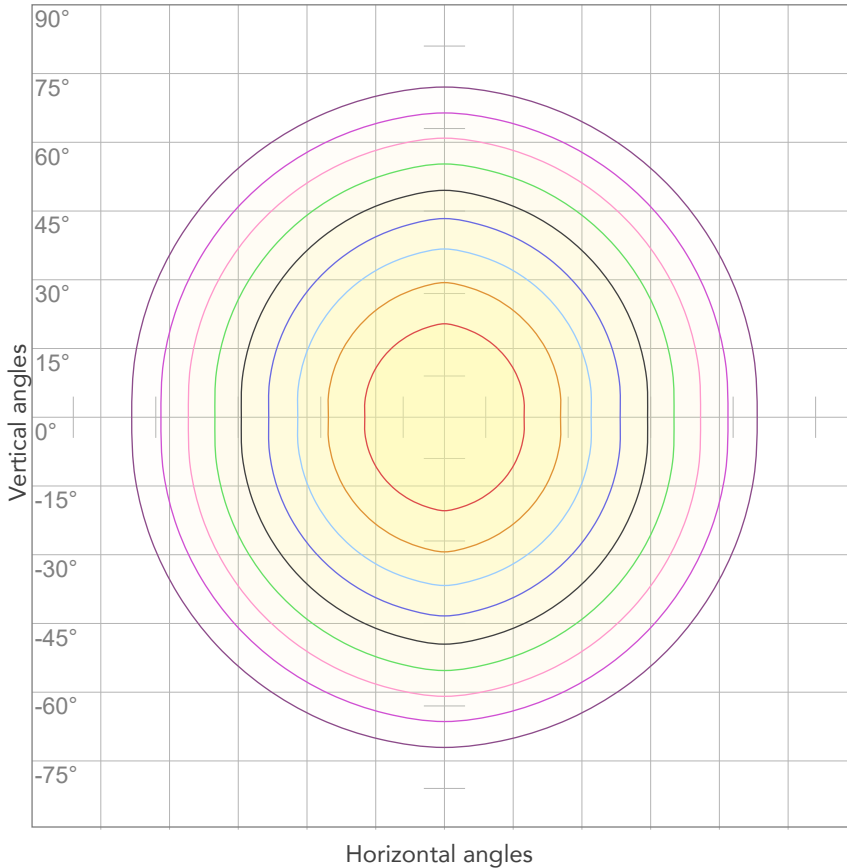


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,06A	229,1W	55lm/W

Power FC
0,96

## ISO CANDELA DIAGRAM



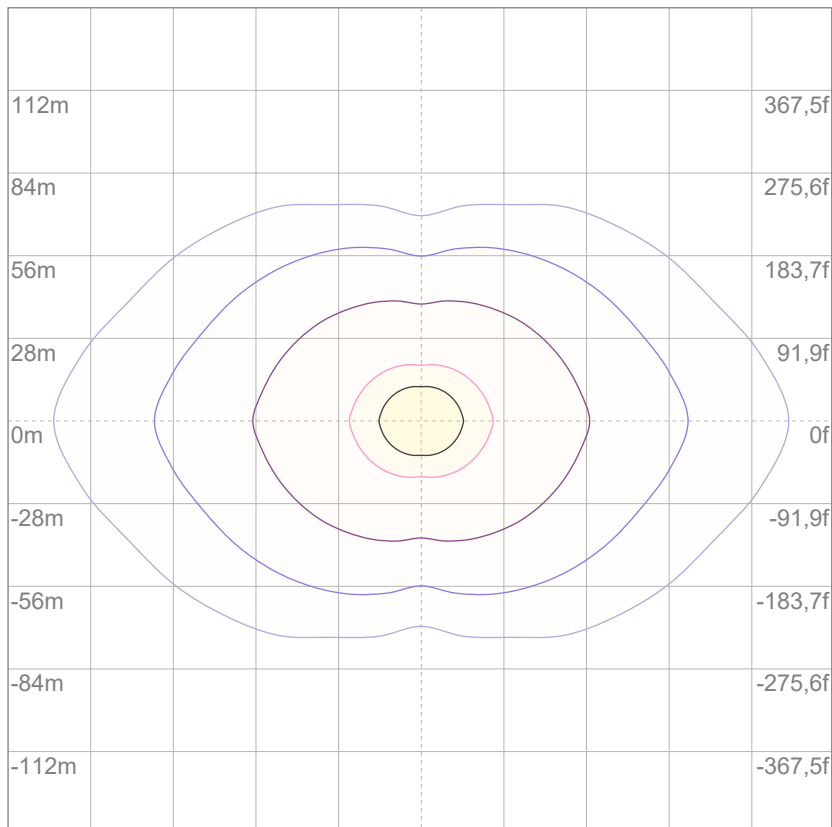
10%	485 cd
20%	971 cd
30%	1456 cd
40%	1941 cd
50%	2426 cd
60%	2912 cd
70%	3397 cd
80%	3882 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 4853 cd

## ISO LUX DIAGRAM



3%	1,46 lx
5%	2,43 lx
10%	4,85 lx
30%	14,6 lx
50%	24,3 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 48,5 lx

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

Total lumen output:

13533 lm

Peak candela output:

5697 cd



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASUREMENT CONDITIONS:**

Beam angle:

Filter LD

Target:

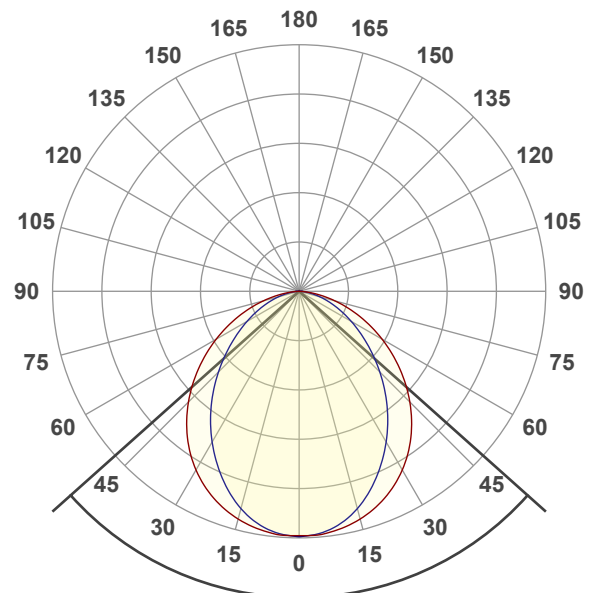
Green

Operator:

Paolo Carvone

Date and time:

23/08/2022 11:03:07

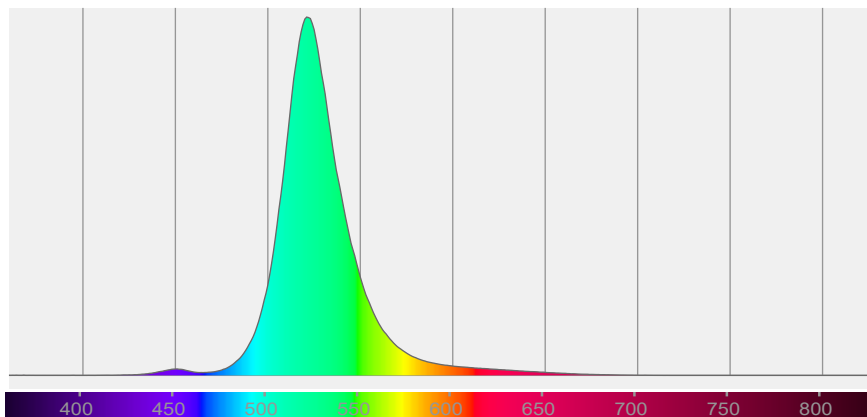


Beam angle 50%: 96,5°

Field angle 10%: 152,4°

Cut off angle 2.5%: 169°

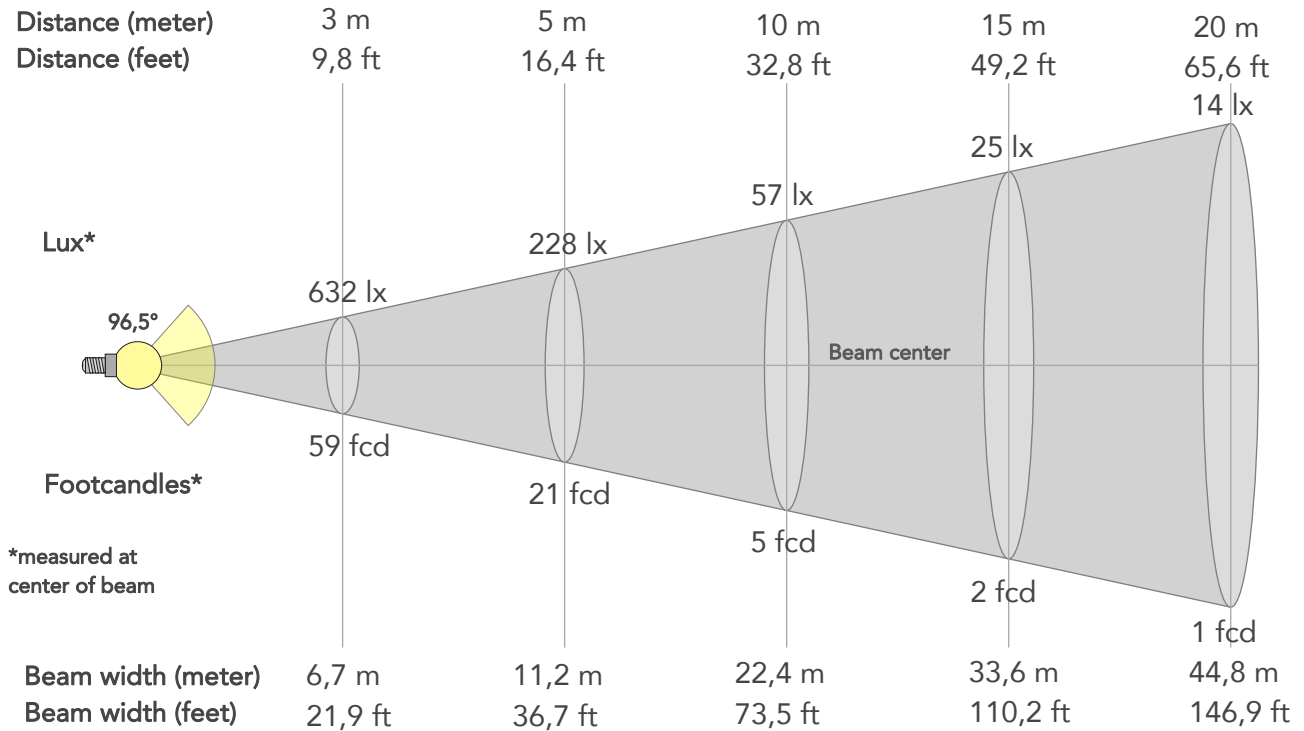
Spectra



# BEAM DETAILS



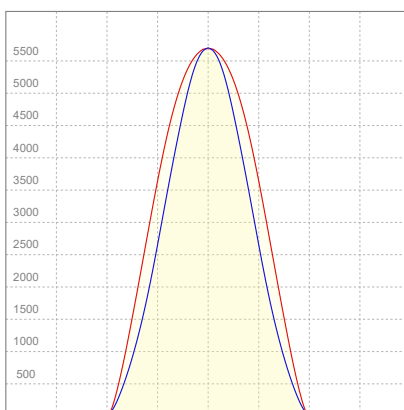
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
96,5°	152,4°	169°	82,6%	59,1%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5690lx	1423lx	632lx	356lx	228lx	101lx	57lx	25lx	14lx	9lx	6lx	4lx	2lx
Footcand.	529fcd	132fcd	59fcd	33fcd	21fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	2,2m	4,5m	6,7m	9m	11,2m	16,8m	22,4m	33,6m	44,8m	56m	67,2m	89,6m	112m
Beam wid.	7,4ft	14,8ft	21,9ft	29,3ft	36,7ft	55,1ft	73,5ft	110,2ft	146,9ft	183,7ft	220,4ft	293,8ft	367,3ft

## LINEAR DISTRIBUTION DIAGRAM

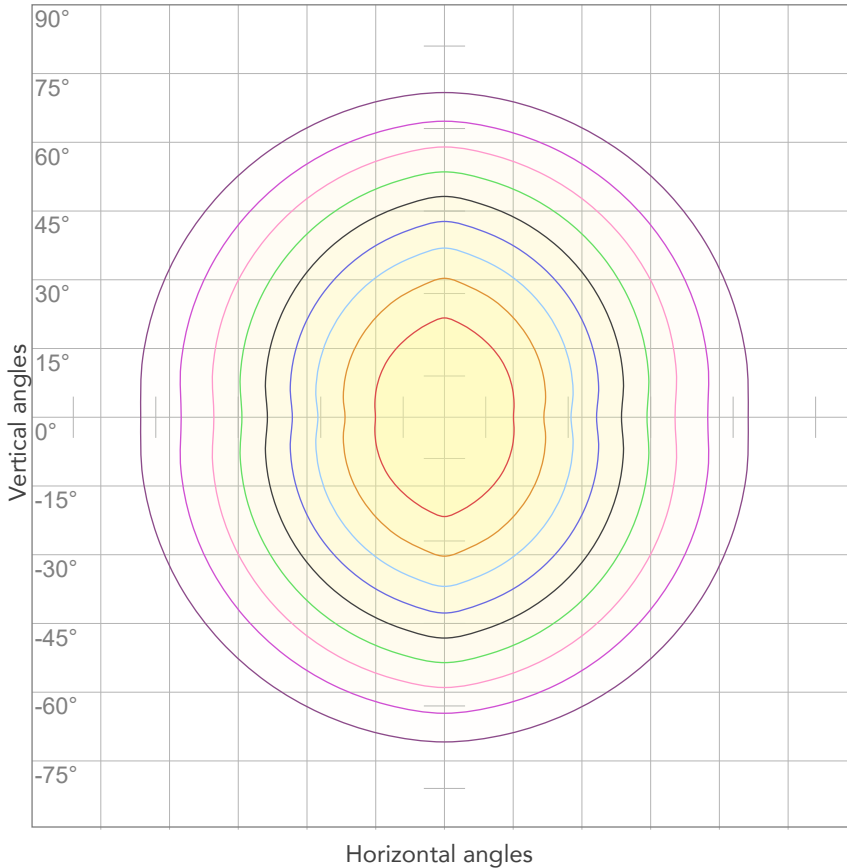


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,06A	229,6W	59lm/W

Power FC
0,96

## ISO CANDELA DIAGRAM



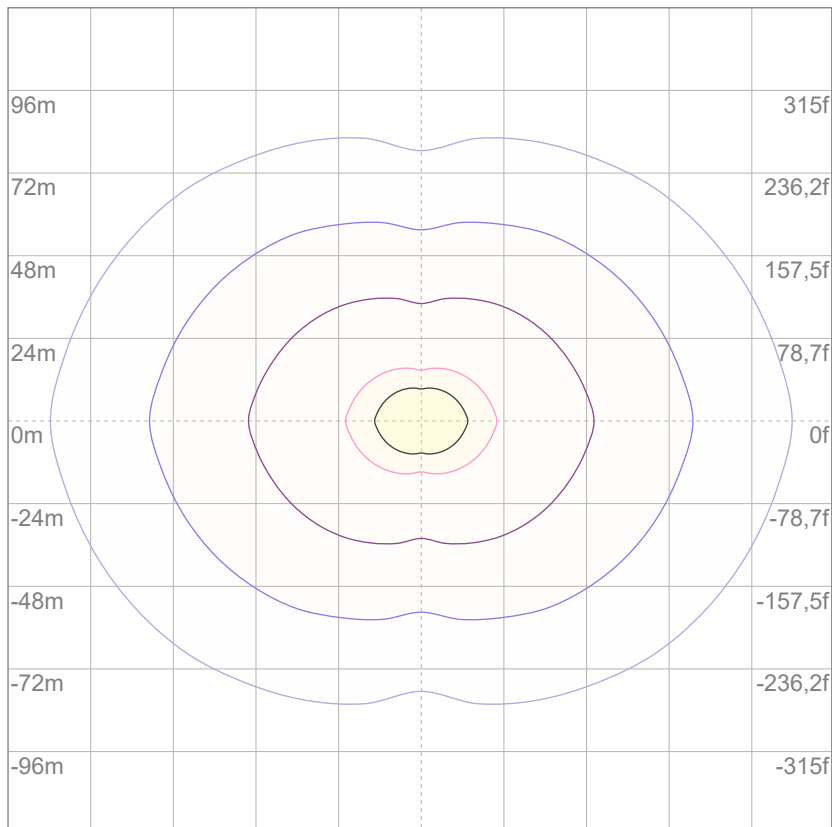
10%	569 cd
20%	1138 cd
30%	1707 cd
40%	2276 cd
50%	2845 cd
60%	3414 cd
70%	3983 cd
80%	4552 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 5690 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,71 lx
5%	2,85 lx
10%	5,69 lx
30%	17,1 lx
50%	28,5 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 56,9 lx

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

Total lumen output:

12270 lm

Peak candela output:

6518 cd



PRODUCT NAME:

ECLSOFTLINEARIP

MEASURAMENT CONDITIONS:

Beam angle:

Filter INT

Target:

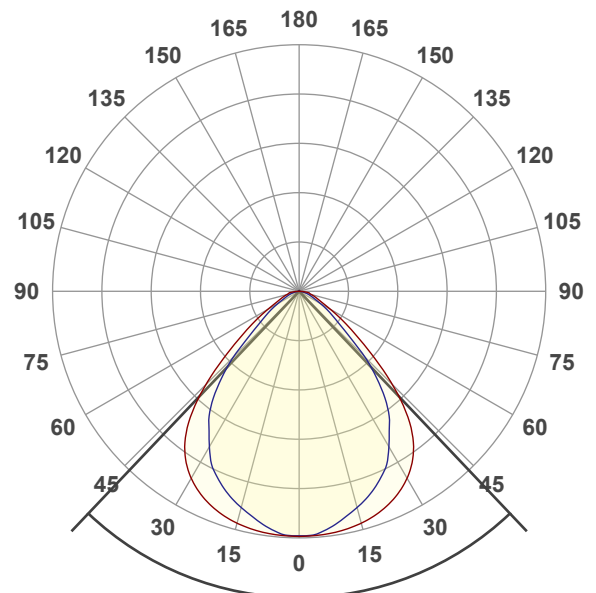
Green

Operator:

Paolo Carvone

Date and time:

22/08/2022 18:09:14

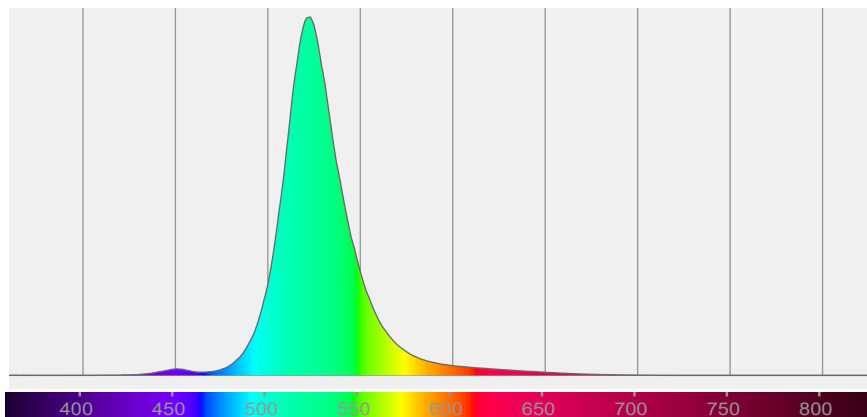


Beam angle 50%: 87°

Field angle 10%: 124,7°

Cut off angle 2.5%: 160,4°

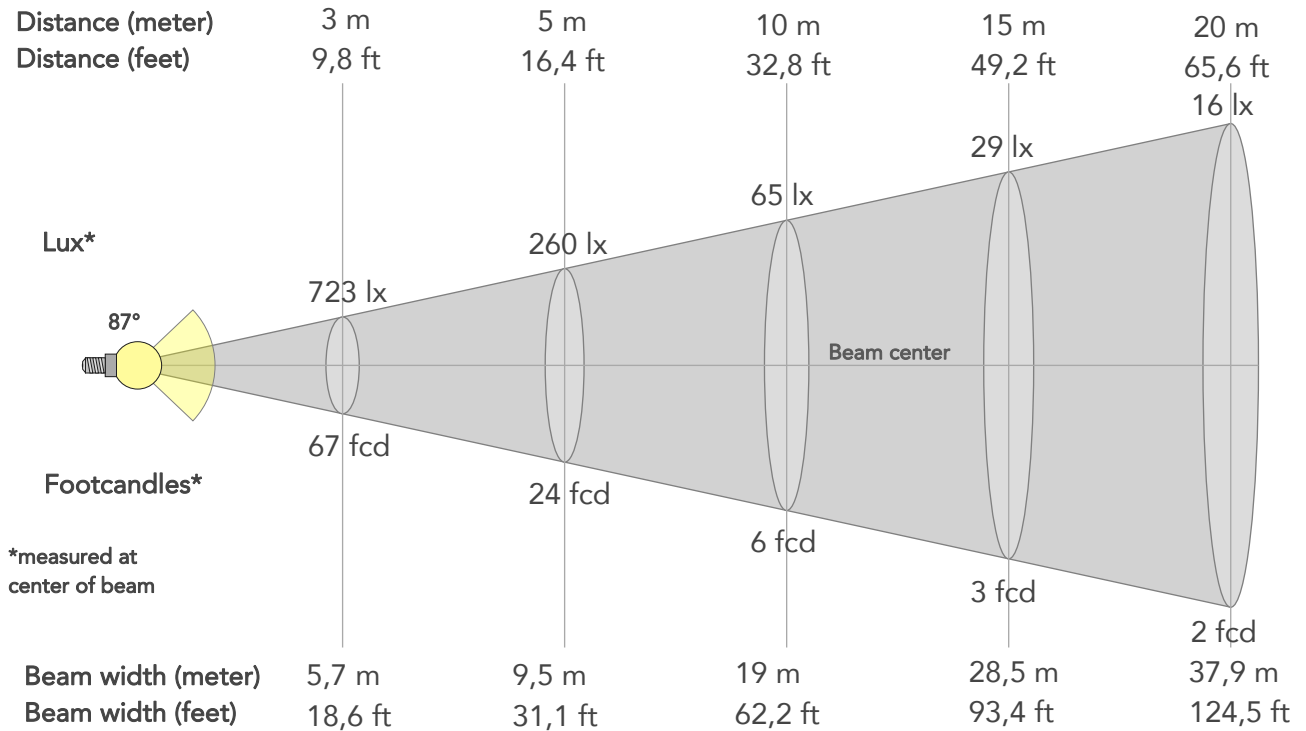
Spectra



# BEAM DETAILS



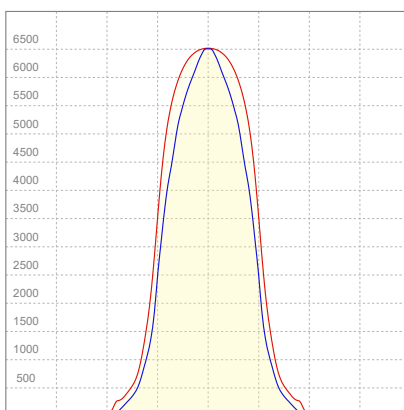
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
87°	124,7°	160,4°	92,4%	74,9%



## 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	6508lx	1627lx	723lx	407lx	260lx	116lx	65lx	29lx	16lx	10lx	7lx	4lx	3lx
Footcand.	605fcd	151fcd	67fcd	38fcd	24fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,9m	3,8m	5,7m	7,6m	9,5m	14,2m	19m	28,5m	37,9m	47,4m	56,9m	75,9m	94,9m
Beam wid.	6,3ft	12,5ft	18,6ft	24,9ft	31,1ft	46,7ft	62,2ft	93,4ft	124,5ft	155,6ft	186,7ft	248,9ft	311,2ft

## LINEAR DISTRIBUTION DIAGRAM

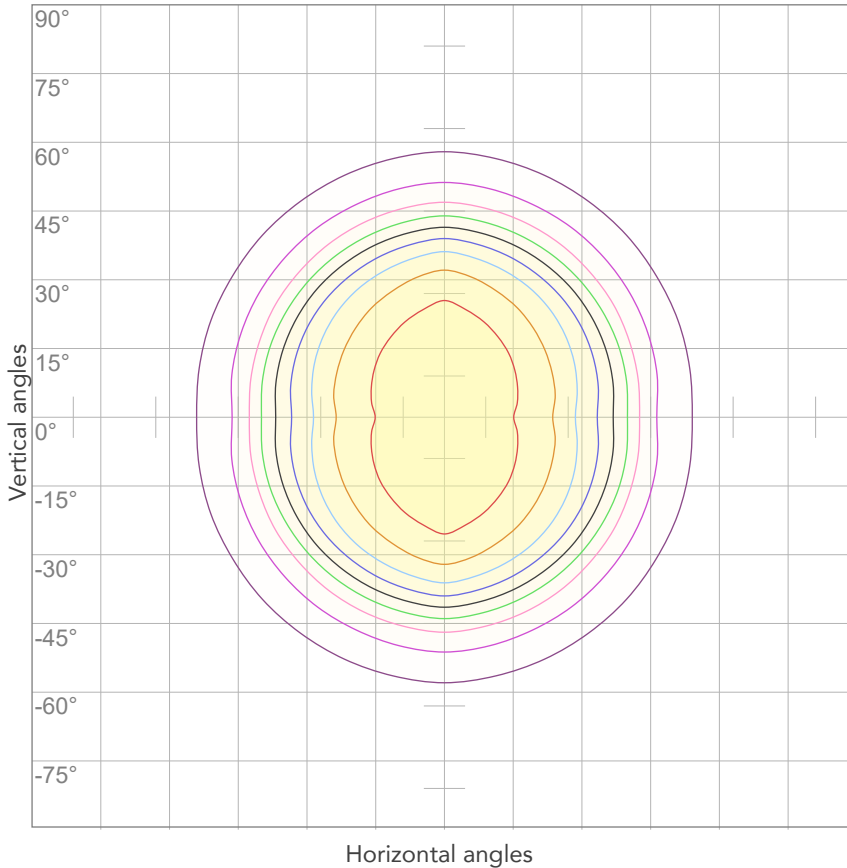


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	1,05A	227W	54lm/W

Power FC
0,96

## ISO CANDELA DIAGRAM



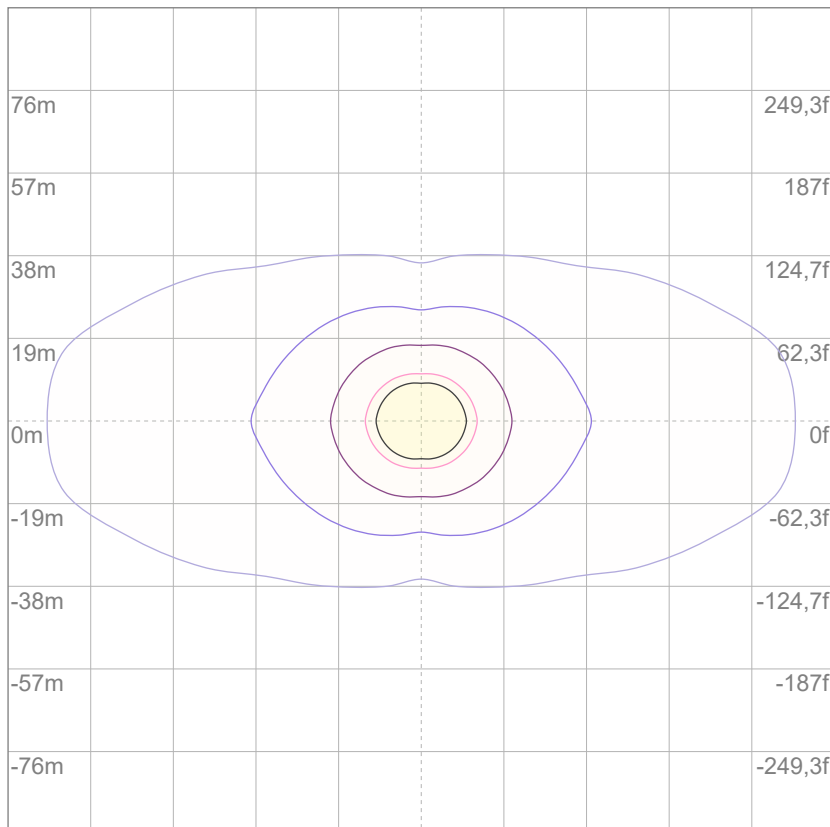
10%	651 cd
20%	1302 cd
30%	1952 cd
40%	2603 cd
50%	3254 cd
60%	3905 cd
70%	4555 cd
80%	5206 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 6508 cd

## ISO LUX DIAGRAM



3%	1,95 lx
5%	3,25 lx
10%	6,51 lx
30%	19,5 lx
50%	32,5 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 65,1 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

2847 lm

Peak candela output:

1012 cd



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASUREMENT CONDITIONS:**

Beam angle:

Filter HD

Target:

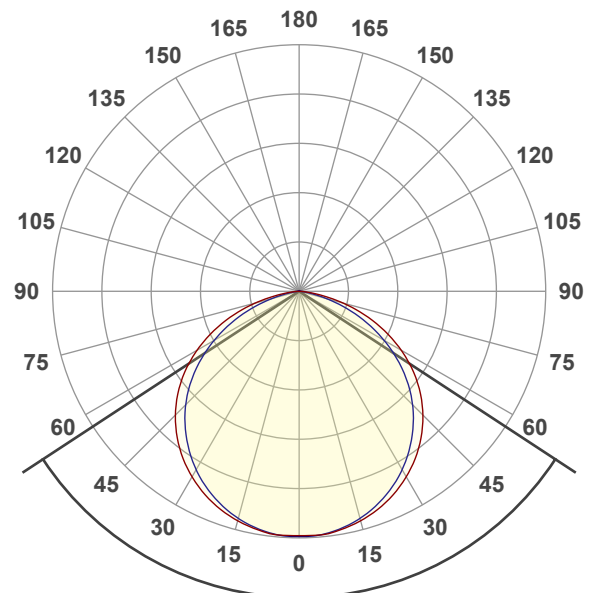
Blue

Operator:

Paolo Carvone

Date and time:

22/08/2022 17:42:05

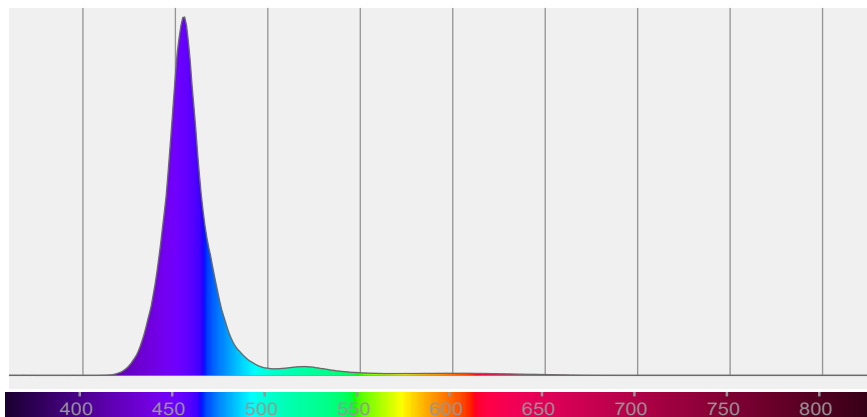


Beam angle 50%: 113,5°

Field angle 10%: 155,4°

Cut off angle 2.5%: 167,1°

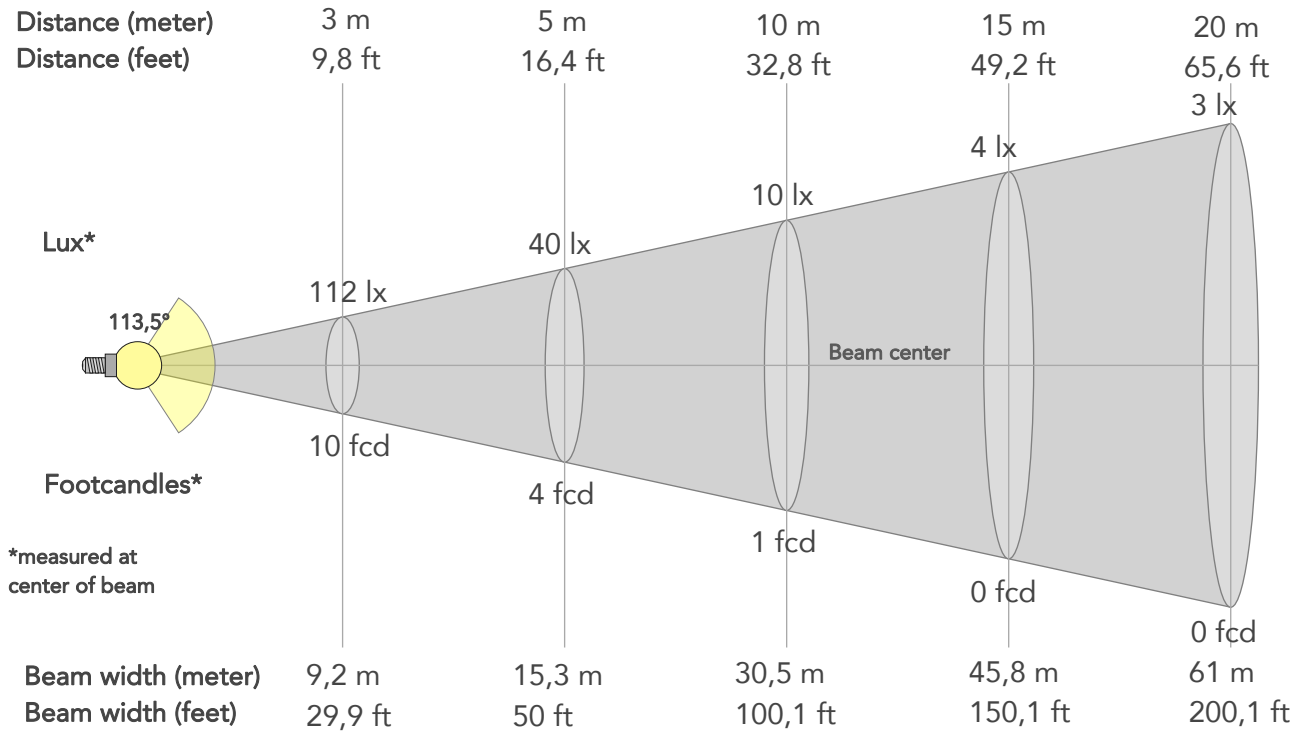
Spectra



# BEAM DETAILS



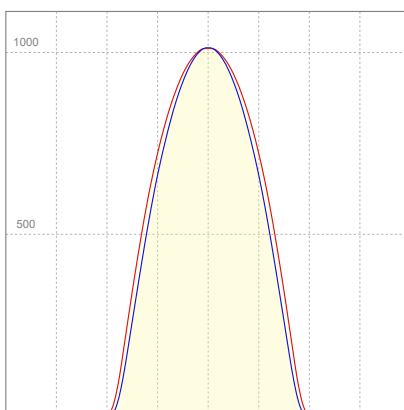
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
113,5°	155,4°	167,1°	81,2%	55,1%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1011lx	253lx	112lx	63lx	40lx	18lx	10lx	4lx	3lx	2lx	1lx	1lx	0lx
Footcand.	94fcd	23fcd	10fcd	6fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	3,1m	6,1m	9,2m	12,2m	15,3m	22,9m	30,5m	45,8m	61m	76,3m	91,5m	122m	152,5m
Beam wid.	10,1ft	20,1ft	29,9ft	40ft	50ft	75ft	100,1ft	150,1ft	200,1ft	250,1ft	300,2ft	400,2ft	500,3ft

## LINEAR DISTRIBUTION DIAGRAM

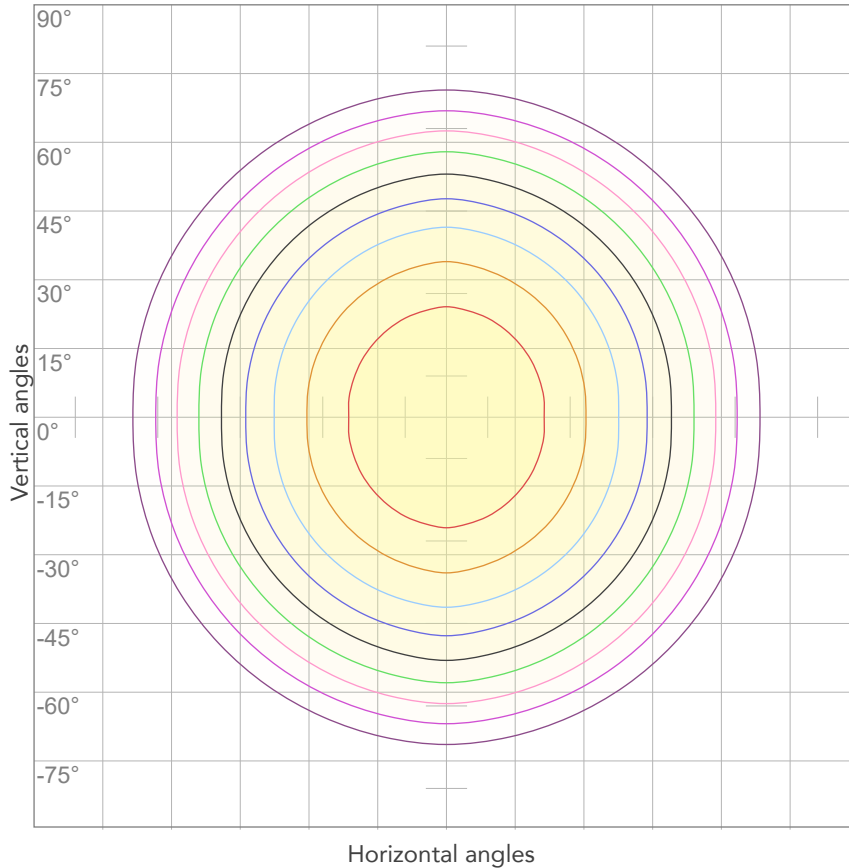


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
223V	1,12A	241,8W	12lm/W

Power FC
0,97

## ISO CANDELA DIAGRAM



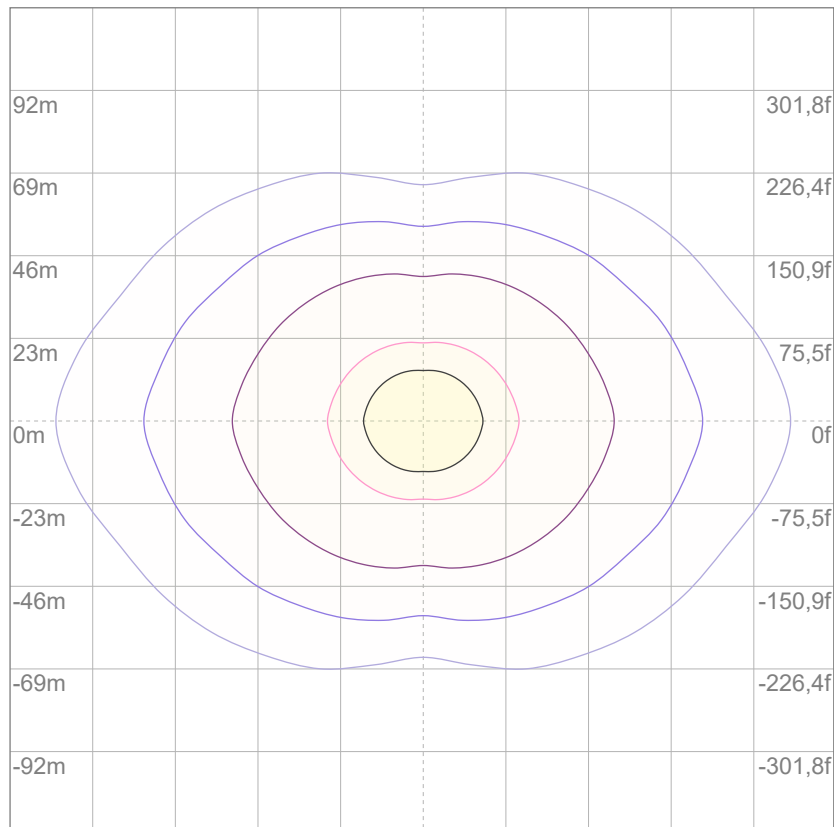
10%	101 cd
20%	202 cd
30%	303 cd
40%	404 cd
50%	505 cd
60%	606 cd
70%	707 cd
80%	809 cd

Conditions:

Number of c-planes: 4

Candela at center: 1011 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,303 lx
5%	0,505 lx
10%	1,01 lx
30%	3,03 lx
50%	5,05 lx

Conditions:

Number of c-planes: 4

Lux at center: 10,1 lx

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

Total lumen output:

2767 lm

Peak candela output:

1201 cd



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASUREMENT CONDITIONS:**

Beam angle:

Filter MD

Target:

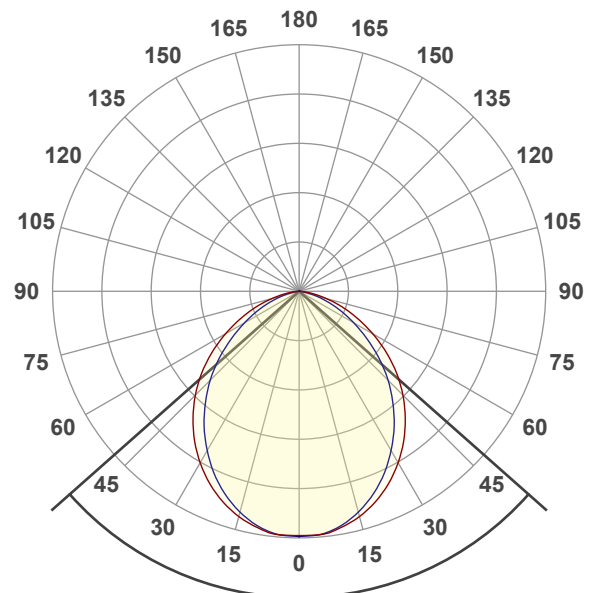
Blue

Operator:

Paolo Carvone

Date and time:

22/08/2022 17:18:08

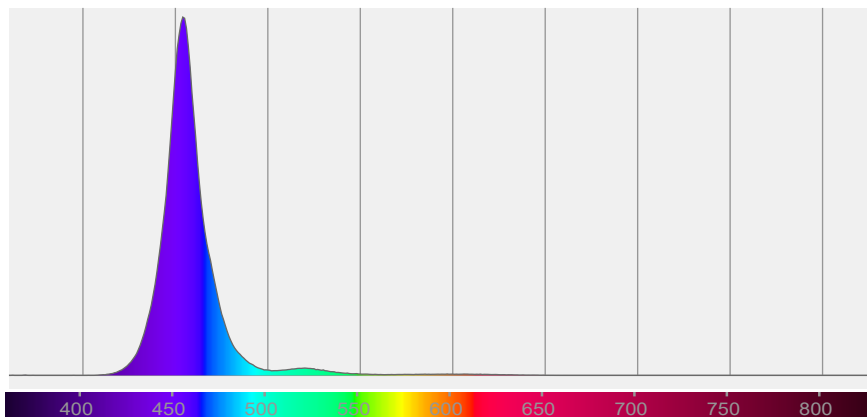


Beam angle 50%: 97°

Field angle 10%: 148,1°

Cut off angle 2.5%: 164,4°

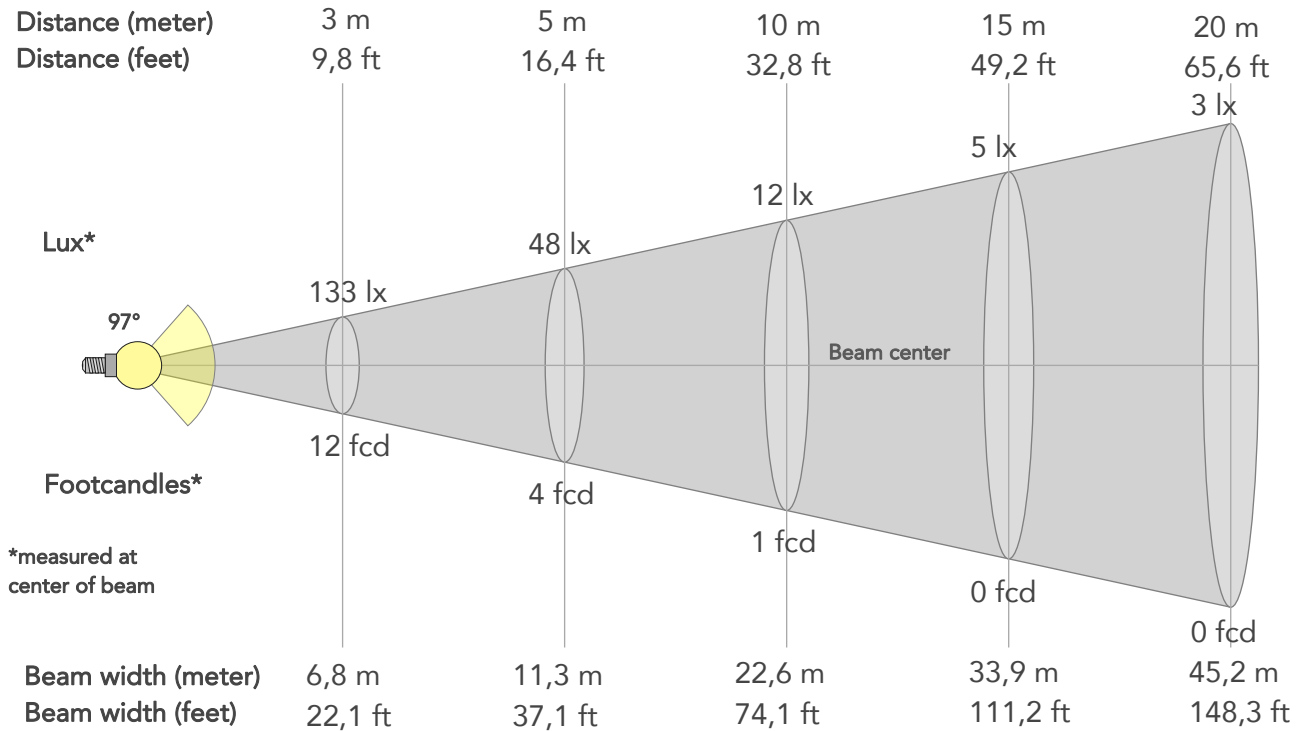
Spectra



# BEAM DETAILS



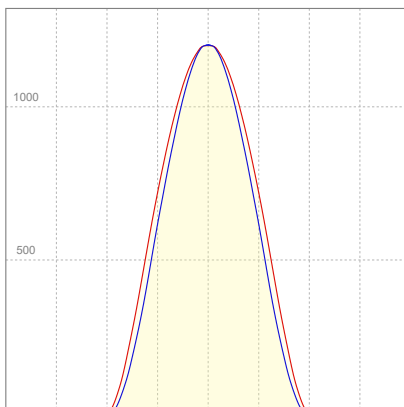
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
97°	148,1°	164,4°	85,2%	61,2%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1199lx	300lx	133lx	75lx	48lx	21lx	12lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	111fcd	28fcd	12fcd	7fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	2,3m	4,5m	6,8m	9m	11,3m	17m	22,6m	33,9m	45,2m	56,5m	67,8m	90,4m	113m
Beam wid.	7,5ft	14,9ft	22,1ft	29,6ft	37,1ft	55,6ft	74,1ft	111,2ft	148,3ft	185,3ft	222,4ft	296,5ft	370,7ft

## LINEAR DISTRIBUTION DIAGRAM

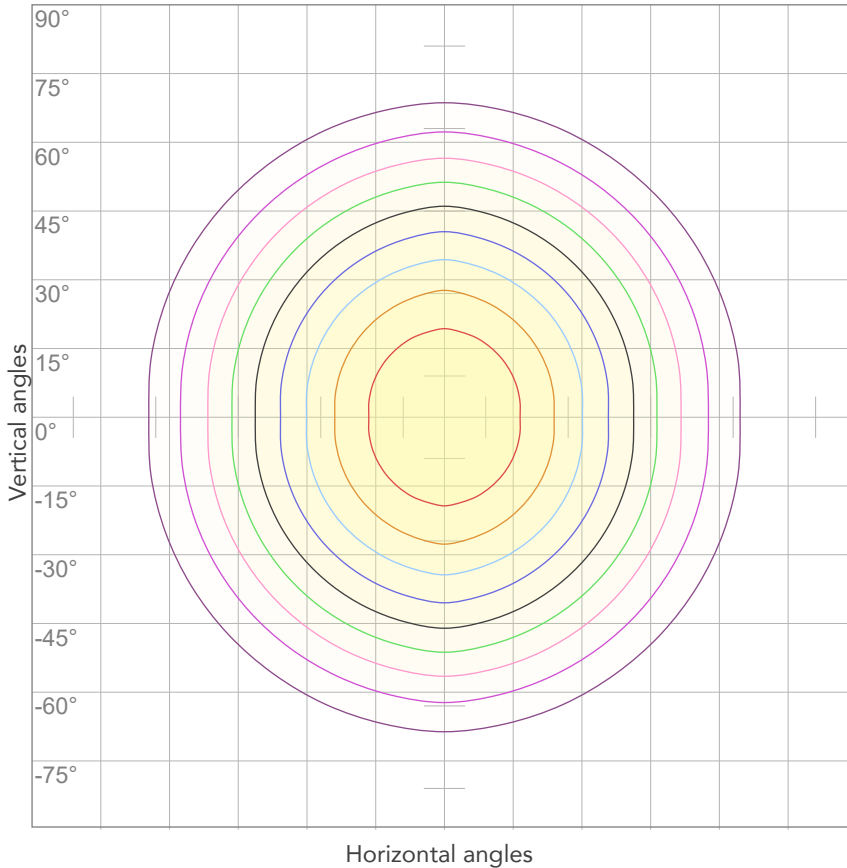


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,11A	242,3W	11lm/W

Power FC
0,97

## ISO CANDELA DIAGRAM



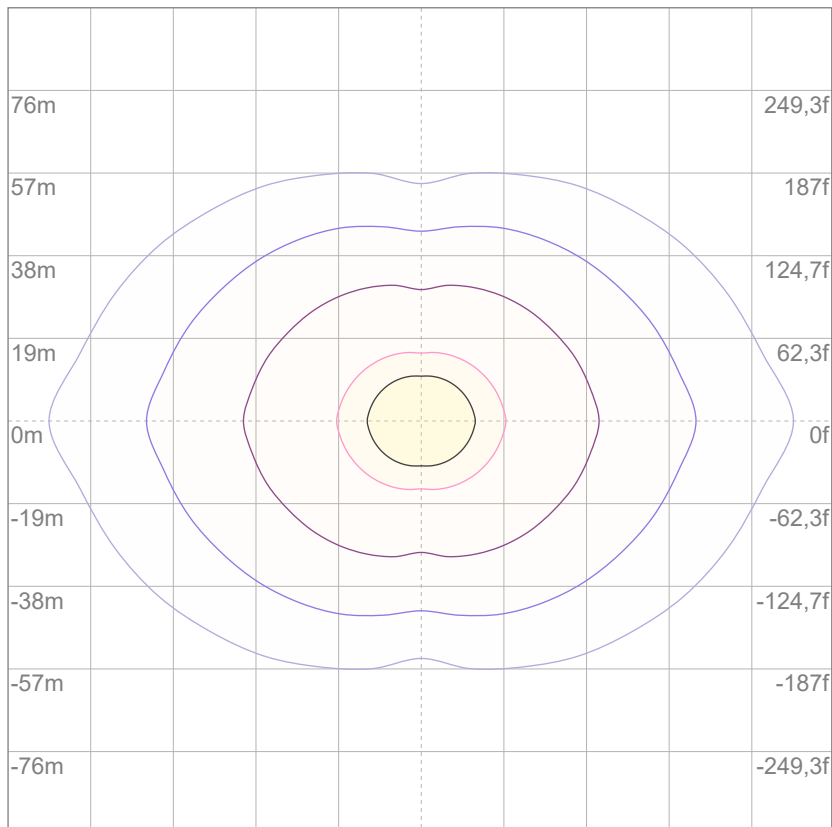
10%	120 cd
20%	240 cd
30%	360 cd
40%	480 cd
50%	600 cd
60%	719 cd
70%	839 cd
80%	959 cd

Conditions:

Number of c-planes: 4

Candela at center: 1199 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,360 lx
5%	0,600 lx
10%	1,20 lx
30%	3,60 lx
50%	6,00 lx

Conditions:

Number of c-planes: 4

Lux at center: 12,0 lx

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

Total lumen output:

3345 lm

Peak candela output:

1544 cd



**PRODUCT NAME:**  
ECLSOFTLINEARIP

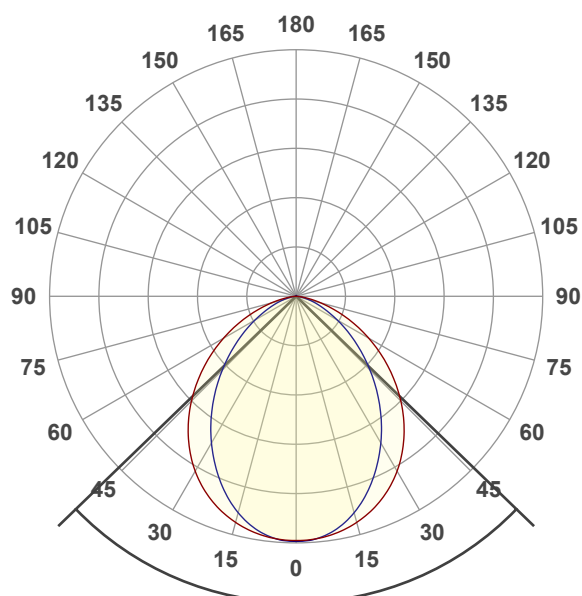
**MEASUREMENT CONDITIONS:**

Beam angle:  
Filter LD

Target:  
Blue

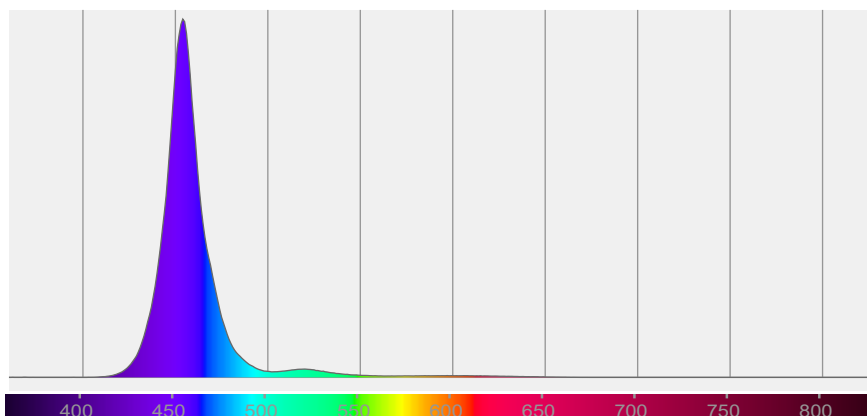
Operator:  
Paolo Carvone

Date and time:  
23/08/2022 11:05:07



Beam angle 50%: 92°  
Field angle 10%: 144,2°  
Cut off angle 2.5%: 163,6°

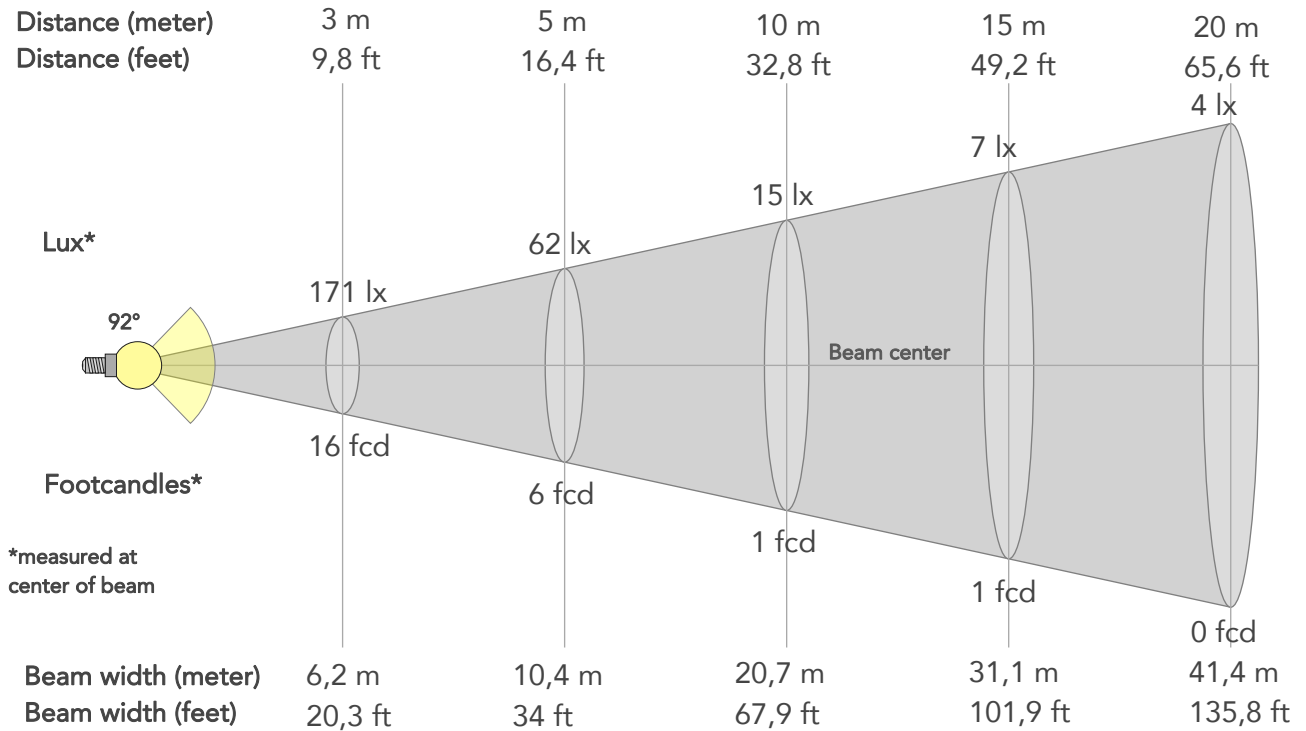
Spectra



# BEAM DETAILS



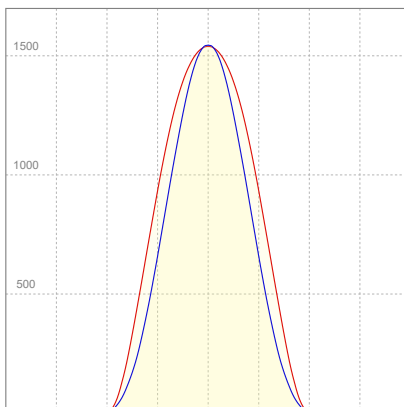
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
92°	144,2°	163,6°	86,3%	63,2%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1541lx	385lx	171lx	96lx	62lx	27lx	15lx	7lx	4lx	2lx	2lx	1lx	1lx
Footcand.	143fcd	36fcd	16fcd	9fcd	6fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	2,1m	4,1m	6,2m	8,3m	10,4m	15,5m	20,7m	31,1m	41,4m	51,8m	62,1m	82,8m	103,5m
Beam wid.	6,8ft	13,7ft	20,3ft	27,1ft	34ft	50,9ft	67,9ft	101,9ft	135,8ft	169,8ft	203,7ft	271,6ft	339,5ft

## LINEAR DISTRIBUTION DIAGRAM



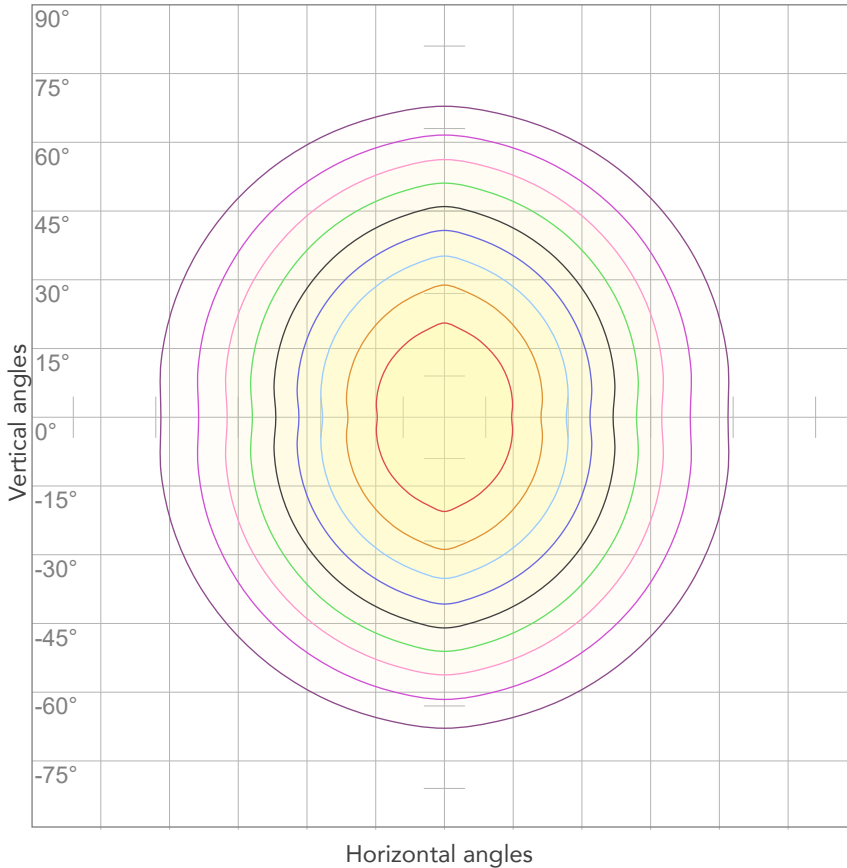
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,08A	234,9W	14lm/W

Power FC
0,96



## ISO CANDELA DIAGRAM



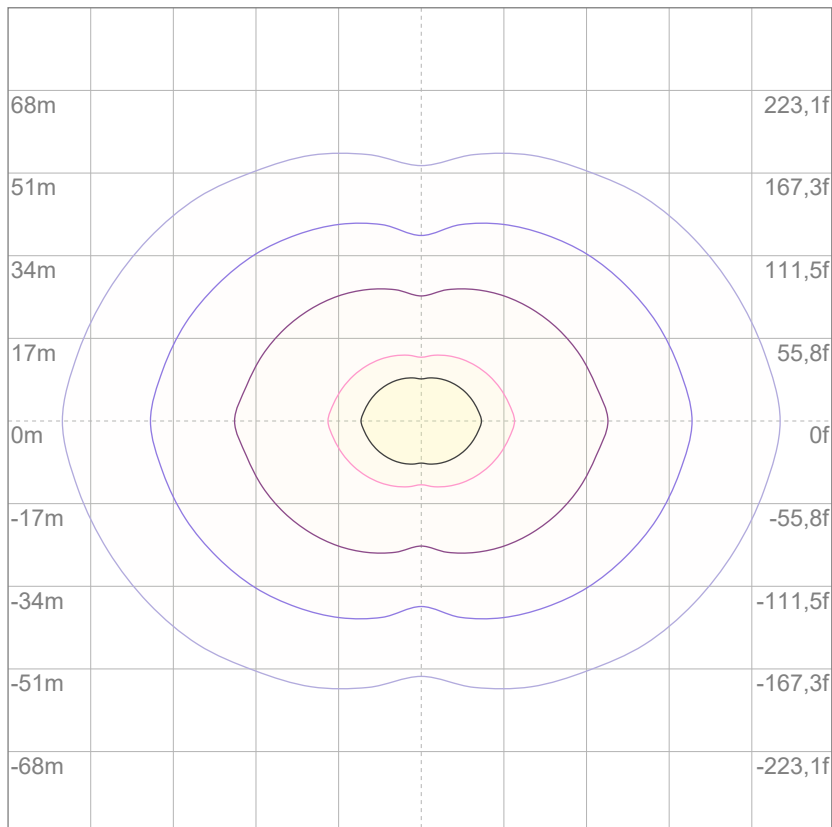
10%	154 cd
20%	308 cd
30%	462 cd
40%	617 cd
50%	771 cd
60%	925 cd
70%	1079 cd
80%	1233 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 1541 cd

## ISO LUX DIAGRAM



3%	0,462 lx
5%	0,771 lx
10%	1,54 lx
30%	4,62 lx
50%	7,71 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 15,4 lx

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

Mounting height: 10 meters (33 feet)

Total lumen output:

2797 lm

Peak candela output:

1691 cd



PRODUCT NAME:

ECLSOFTLINEARIP

MEASUREMENT CONDITIONS:

Beam angle:

Filter INT

Target:

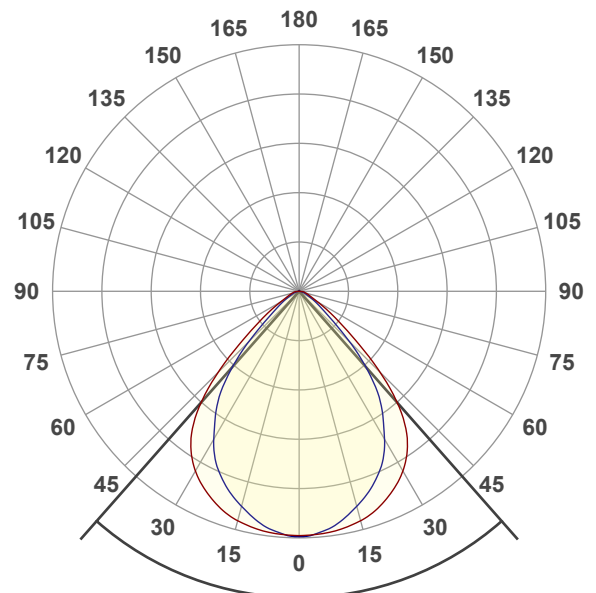
Blue

Operator:

Paolo Carvone

Date and time:

22/08/2022 18:11:21

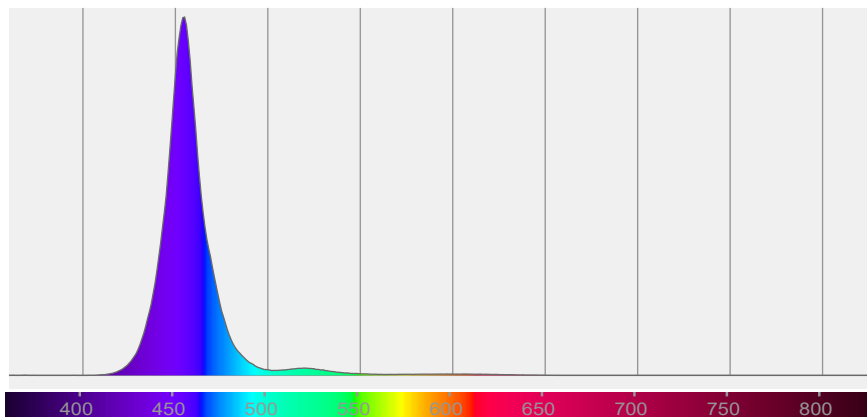


Beam angle 50%: 82,8°

Field angle 10%: 113,6°

Cut off angle 2.5%: 146,9°

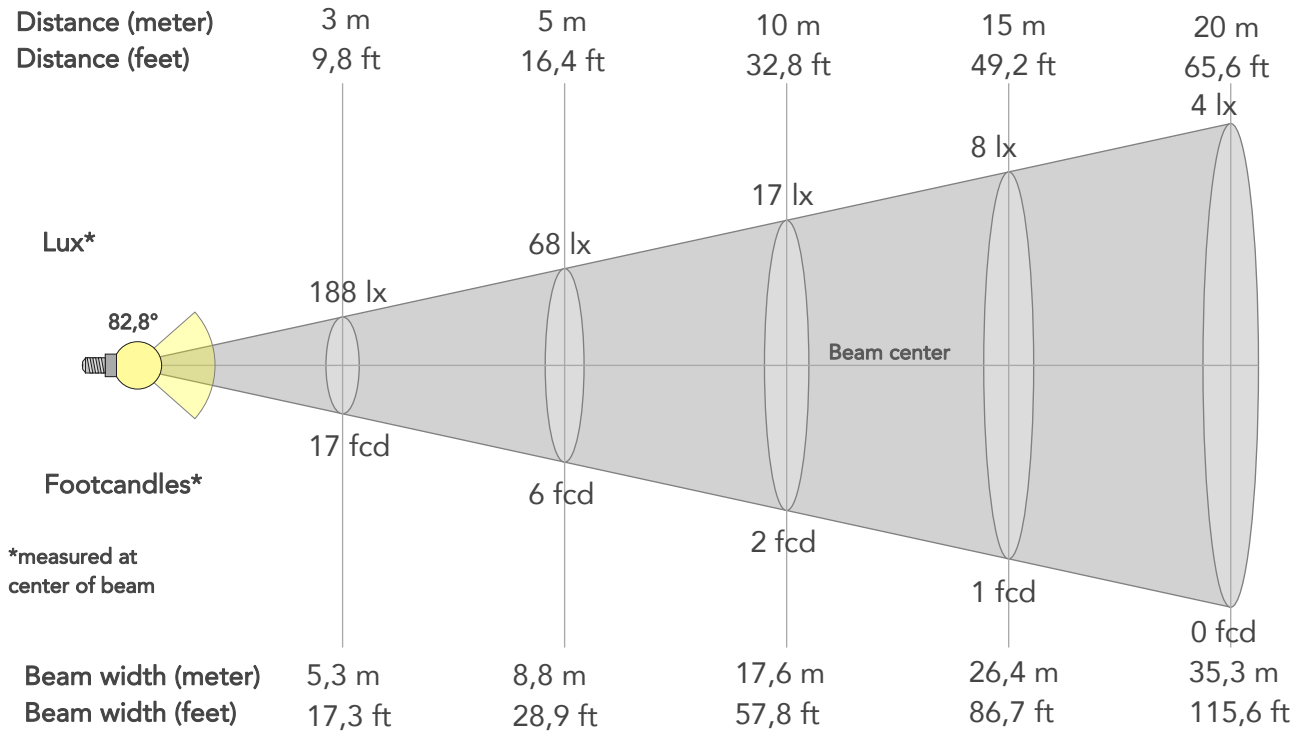
Spectra



# BEAM DETAILS



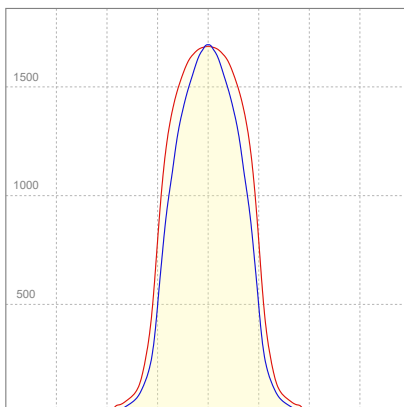
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
82,8°	113,6°	146,9°	95,3%	81,1%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1688lx	422lx	188lx	106lx	68lx	30lx	17lx	8lx	4lx	3lx	2lx	1lx	1lx
Footcand.	157fcd	39fcd	17fcd	10fcd	6fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,8m	3,5m	5,3m	7,1m	8,8m	13,2m	17,6m	26,4m	35,3m	44,1m	52,9m	70,5m	88,1m
Beam wid.	5,8ft	11,6ft	17,3ft	23,1ft	28,9ft	43,4ft	57,8ft	86,7ft	115,6ft	144,5ft	173,4ft	231,3ft	289,1ft

## LINEAR DISTRIBUTION DIAGRAM

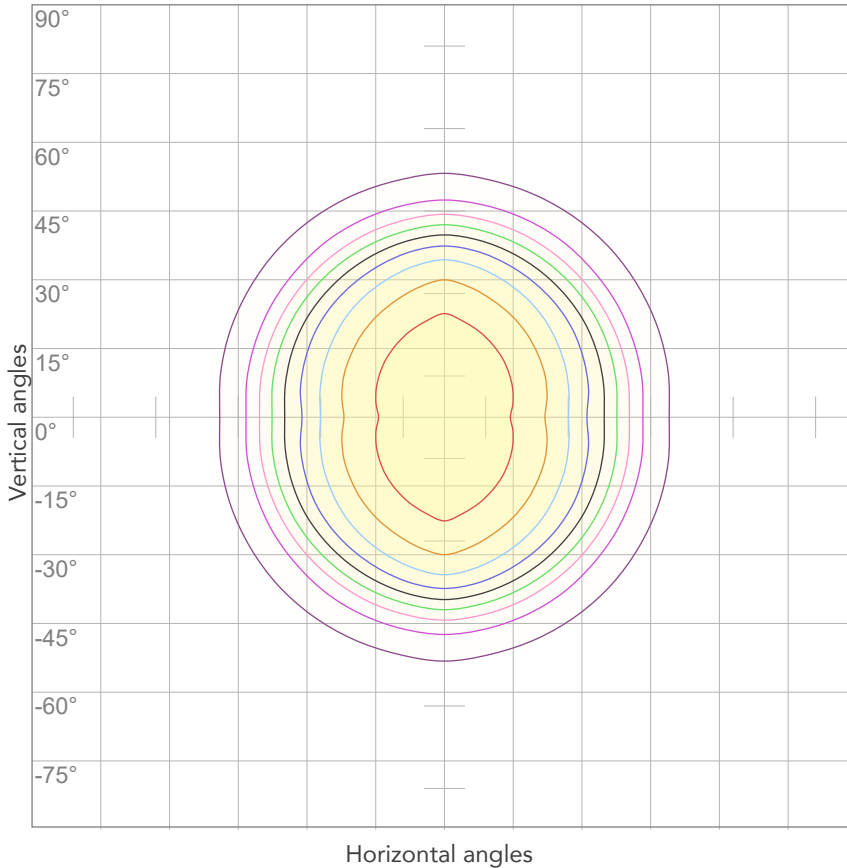


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
223V	1,12A	241,9W	12lm/W

Power FC
0,97

## ISO CANDELA DIAGRAM



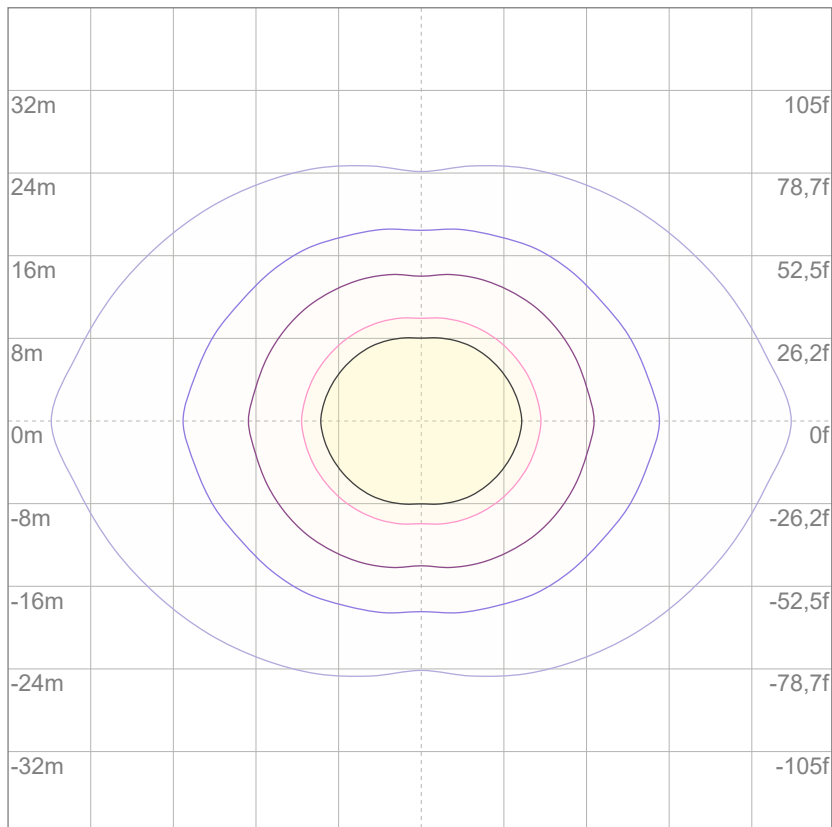
10%	169 cd
20%	338 cd
30%	507 cd
40%	675 cd
50%	844 cd
60%	1013 cd
70%	1182 cd
80%	1351 cd

Conditions:

Number of c-planes: 4

Candela at center: 1688 cd

## ISO LUX DIAGRAM



3%	0,507 lx
5%	0,844 lx
10%	1,69 lx
30%	5,07 lx
50%	8,44 lx

Conditions:

Number of c-planes: 4

Lux at center: 16,9 lx

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

Total lumen output:

8782 lm

Peak candela output:

3003 cd



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASUREMENT CONDITIONS:**

Beam angle:

Filter HD

Target:

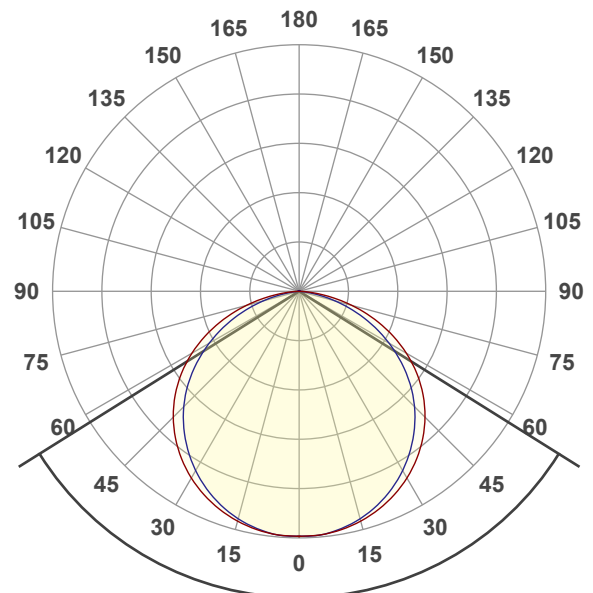
White

Operator:

Paolo Carvone

Date and time:

22/08/2022 17:44:18

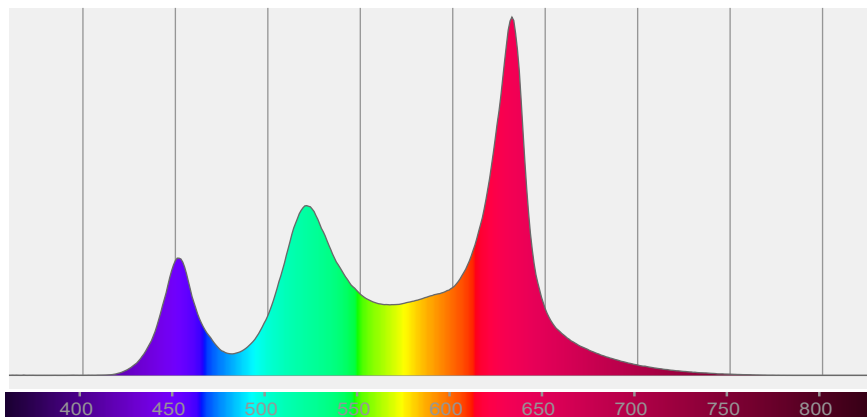


Beam angle 50%: 115,9°

Field angle 10%: 159,5°

Cut off angle 2.5%: 169,7°

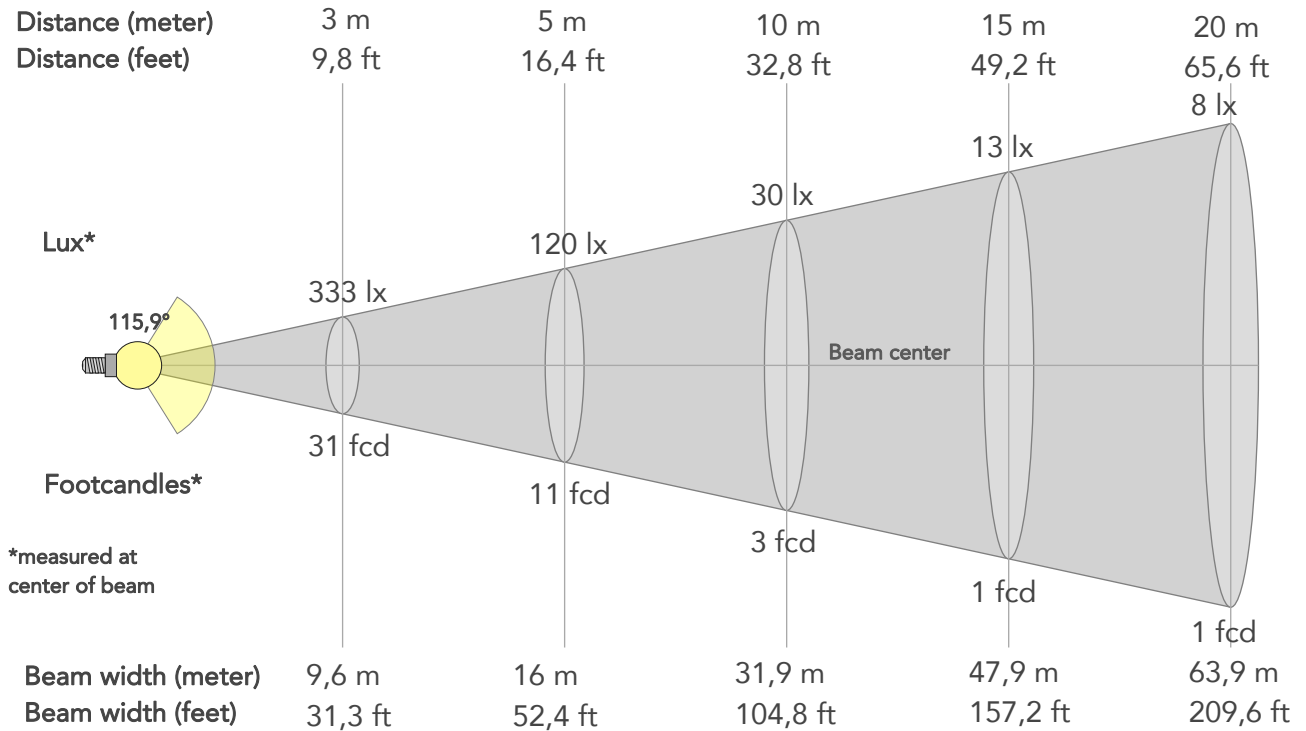
Spectra



# BEAM DETAILS



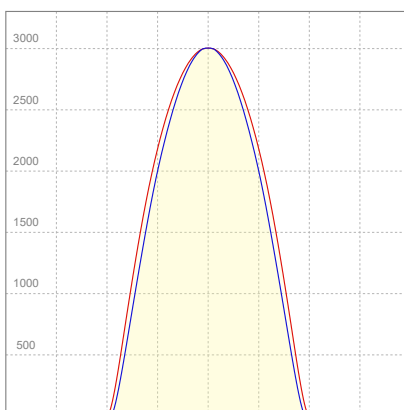
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
115,9°	159,5°	169,7°	79,2%	53,4%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3001lx	750lx	333lx	188lx	120lx	53lx	30lx	13lx	8lx	5lx	3lx	2lx	1lx
Footcand.	279fcd	70fcd	31fcd	17fcd	11fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	3,2m	6,4m	9,6m	12,8m	16m	24m	31,9m	47,9m	63,9m	79,9m	95,8m	127,8m	159,7m
Beam wid.	10,5ft	21,1ft	31,3ft	41,8ft	52,4ft	78,6ft	104,8ft	157,2ft	209,6ft	262ft	314,4ft	419,1ft	523,9ft

## LINEAR DISTRIBUTION DIAGRAM

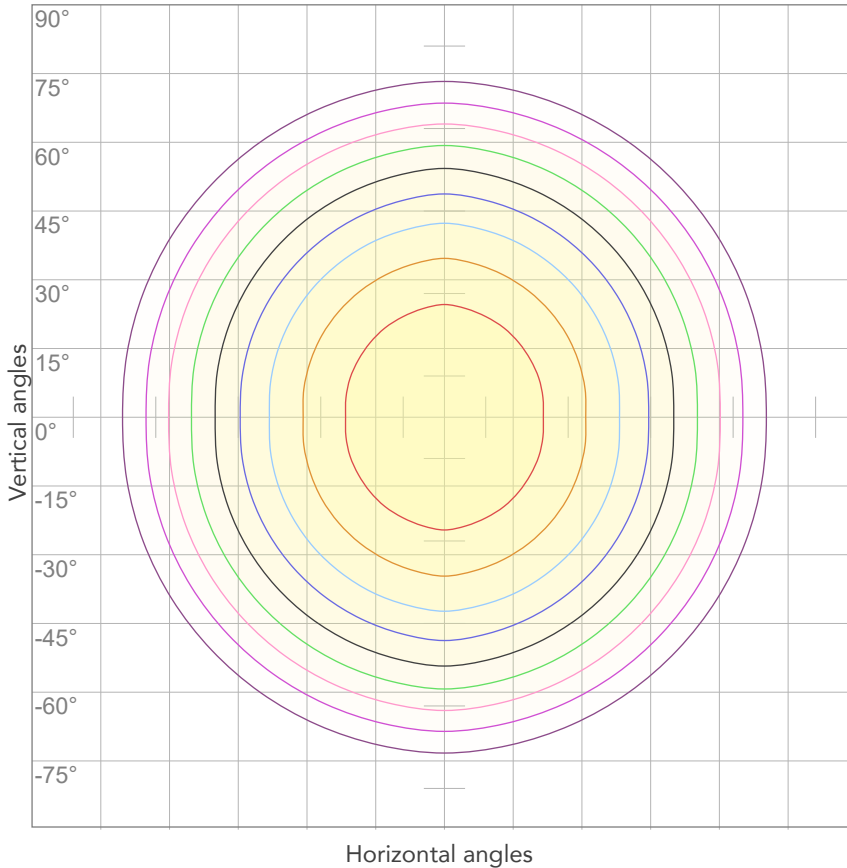


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
223V	1,07A	231,1W	38lm/W

Power FC
0,97

## ISO CANDELA DIAGRAM



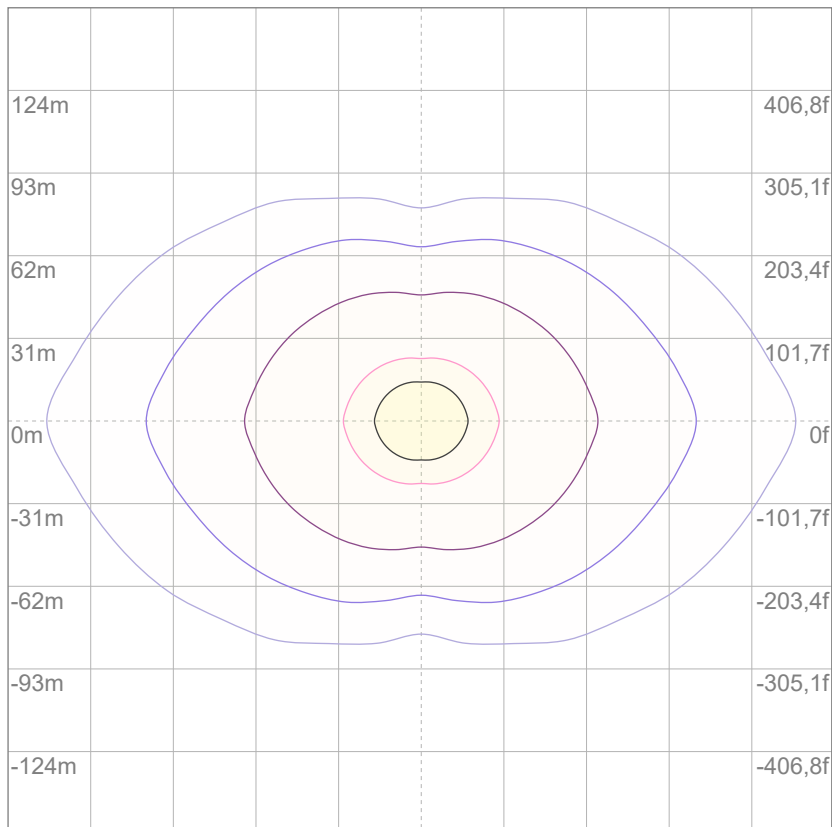
10%	300 cd
20%	600 cd
30%	900 cd
40%	1200 cd
50%	1501 cd
60%	1801 cd
70%	2101 cd
80%	2401 cd

Conditions:

Number of c-planes: 4

Candela at center: 3001 cd

## ISO LUX DIAGRAM



3%	0,900 lx
5%	1,50 lx
10%	3,00 lx
30%	9,00 lx
50%	15,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 30,0 lx

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

Mounting height: 10 meters (33 feet)

Total lumen output:

10651 lm

Peak candela output:

4195 cd



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASUREMENT CONDITIONS:**

Beam angle:

Filter MD

Target:

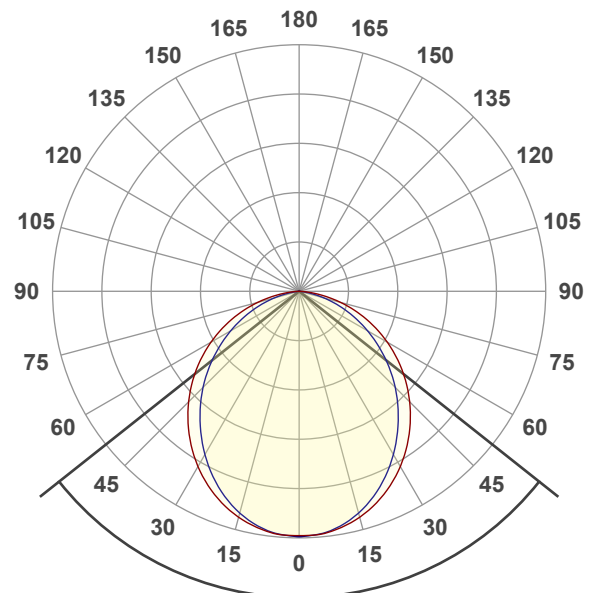
White

Operator:

Paolo Carvone

Date and time:

22/08/2022 17:26:40

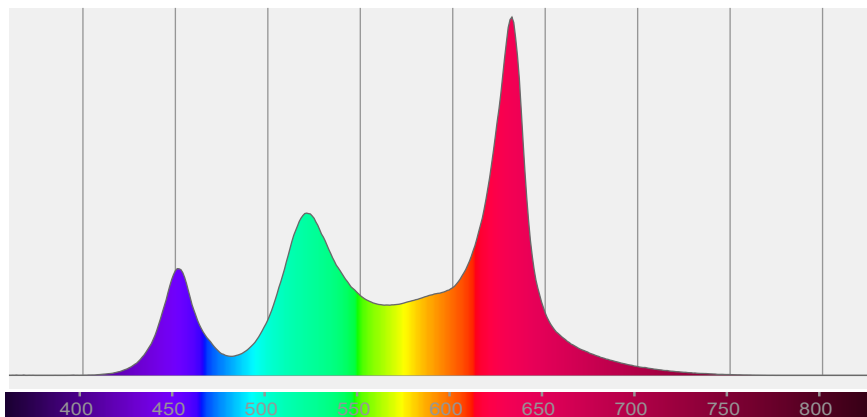


Beam angle 50%: 103,2°

Field angle 10%: 155,2°

Cut off angle 2.5%: 167,6°

Spectra

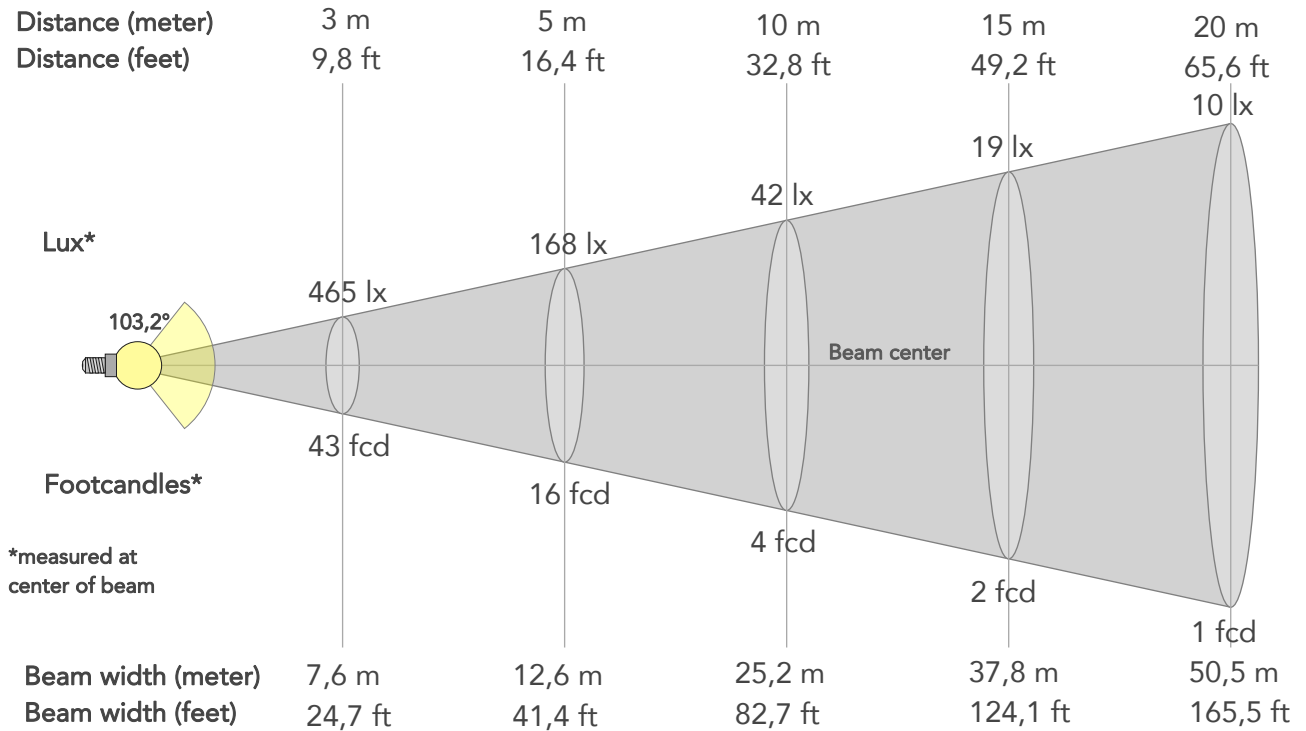




# BEAM DETAILS



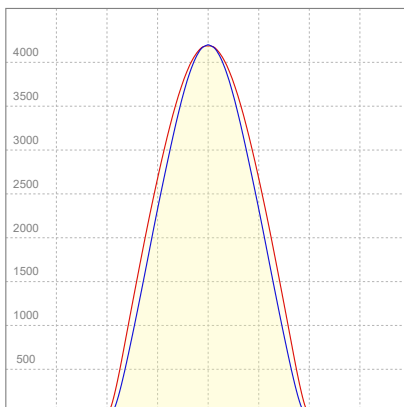
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
103,2°	155,2°	167,6°	81,5%	57,0%



## 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	4188lx	1047lx	465lx	262lx	168lx	74lx	42lx	19lx	10lx	7lx	5lx	3lx	2lx
Footcand.	389fcd	97fcd	43fcd	24fcd	16fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	2,5m	5m	7,6m	10,1m	12,6m	18,9m	25,2m	37,8m	50,5m	63,1m	75,7m	100,9m	126,1m
Beam wid.	8,3ft	16,6ft	24,7ft	33ft	41,4ft	62,1ft	82,7ft	124,1ft	165,5ft	206,9ft	248,2ft	331ft	413,7ft

## LINEAR DISTRIBUTION DIAGRAM

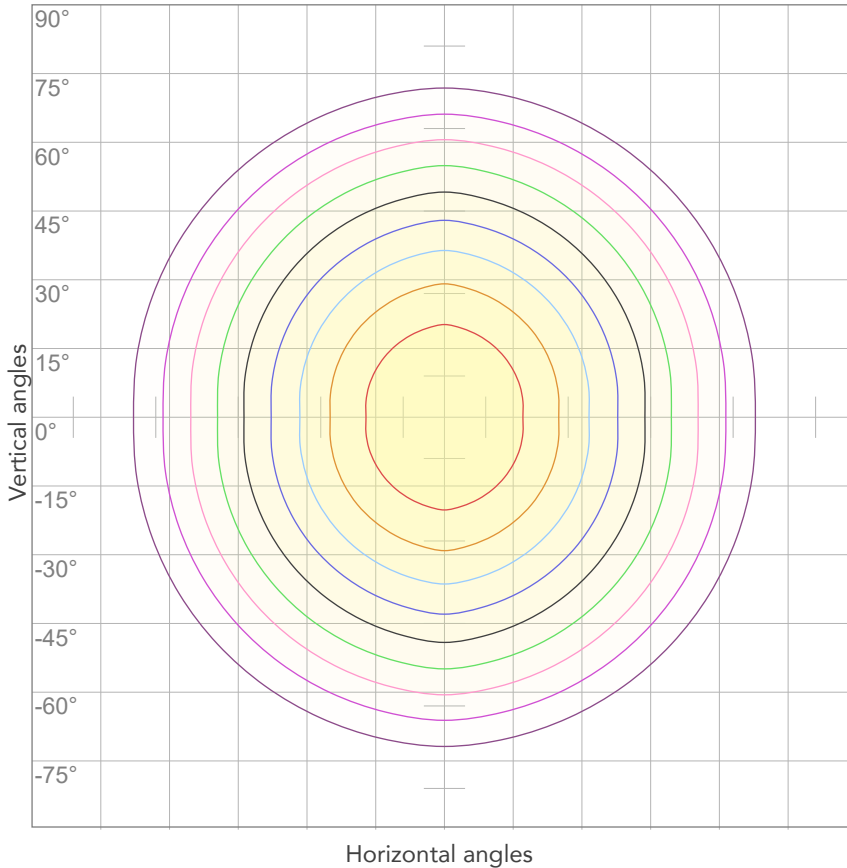


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,07A	230,8W	46lm/W

Power FC
0,96

## ISO CANDELA DIAGRAM



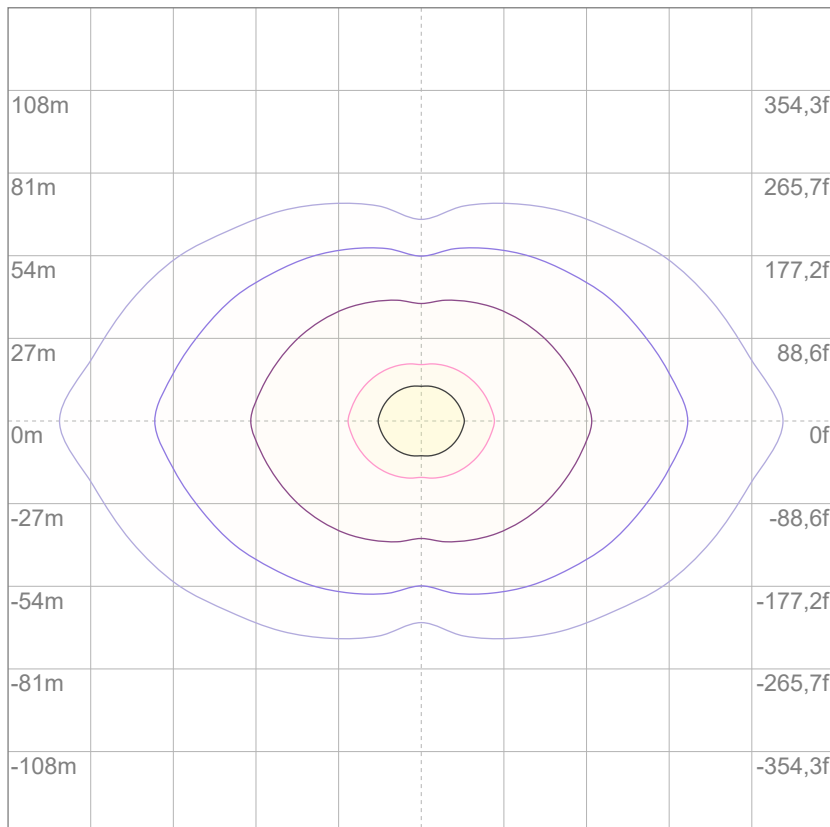
10%	419 cd
20%	838 cd
30%	1256 cd
40%	1675 cd
50%	2094 cd
60%	2513 cd
70%	2931 cd
80%	3350 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 4188 cd

## ISO LUX DIAGRAM



3%	1,26 lx
5%	2,09 lx
10%	4,19 lx
30%	12,6 lx
50%	20,9 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 41,9 lx

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

Total lumen output:

11641 lm

Peak candela output:

4963 cd



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASUREMENT CONDITIONS:**

Beam angle:

Filter LD

Target:

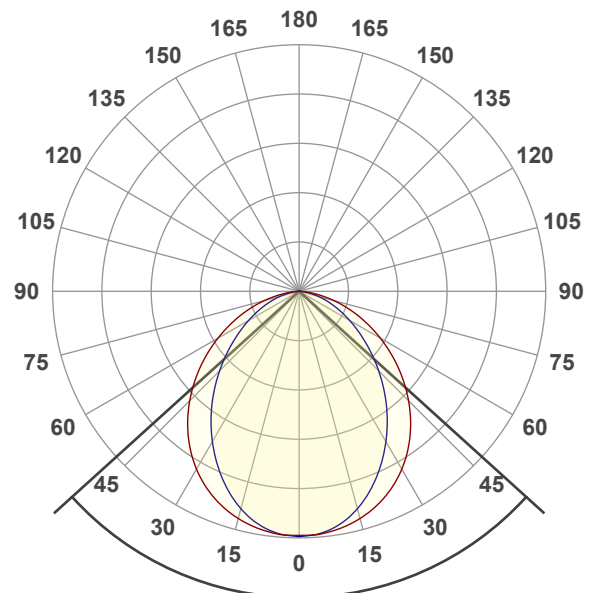
White

Operator:

Paolo Carvone

Date and time:

23/08/2022 11:07:18

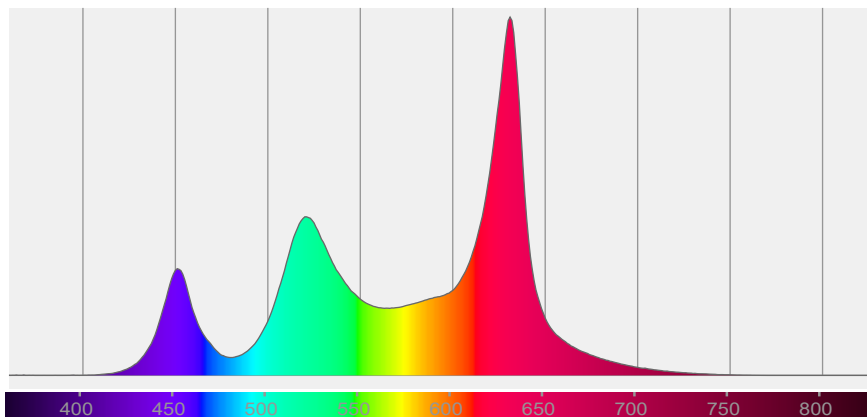


Beam angle 50%: 95,7°

Field angle 10%: 151,4°

Cut off angle 2.5%: 167,8°

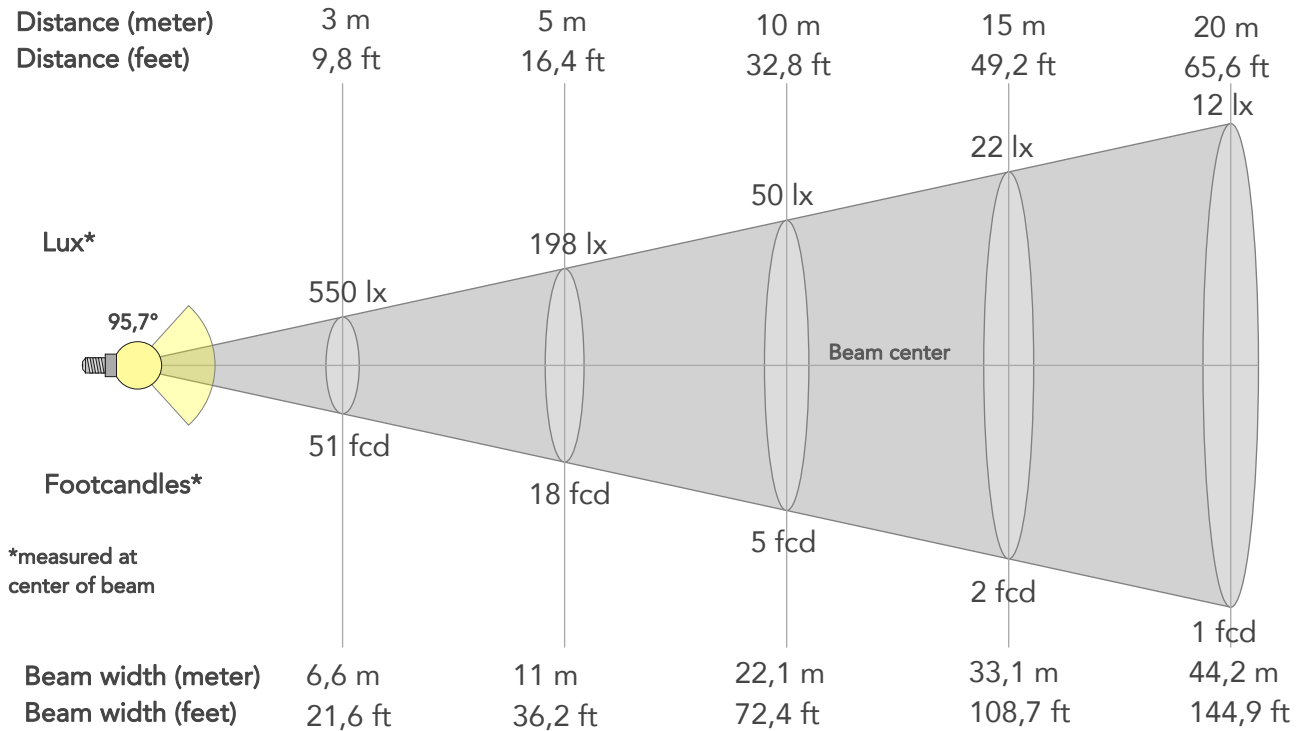
Spectra



# BEAM DETAILS



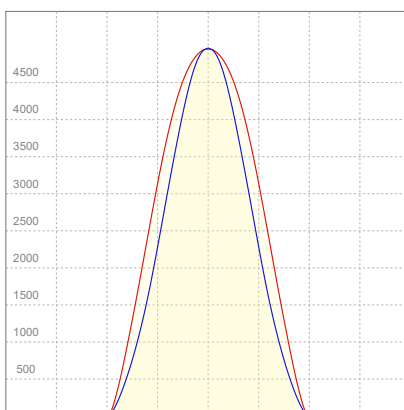
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
95,7°	151,4°	167,8°	83,0%	59,6%



## 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	4954lx	1238lx	550lx	310lx	198lx	88lx	50lx	22lx	12lx	8lx	6lx	3lx	2lx
Footcand.	460fcd	115fcd	51fcd	29fcd	18fcd	8fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	2,2m	4,4m	6,6m	8,8m	11m	16,6m	22,1m	33,1m	44,2m	55,2m	66,3m	88,3m	110,4m
Beam wid.	7,3ft	14,6ft	21,6ft	28,9ft	36,2ft	54,3ft	72,4ft	108,7ft	144,9ft	181,1ft	217,3ft	289,8ft	362,2ft

## LINEAR DISTRIBUTION DIAGRAM

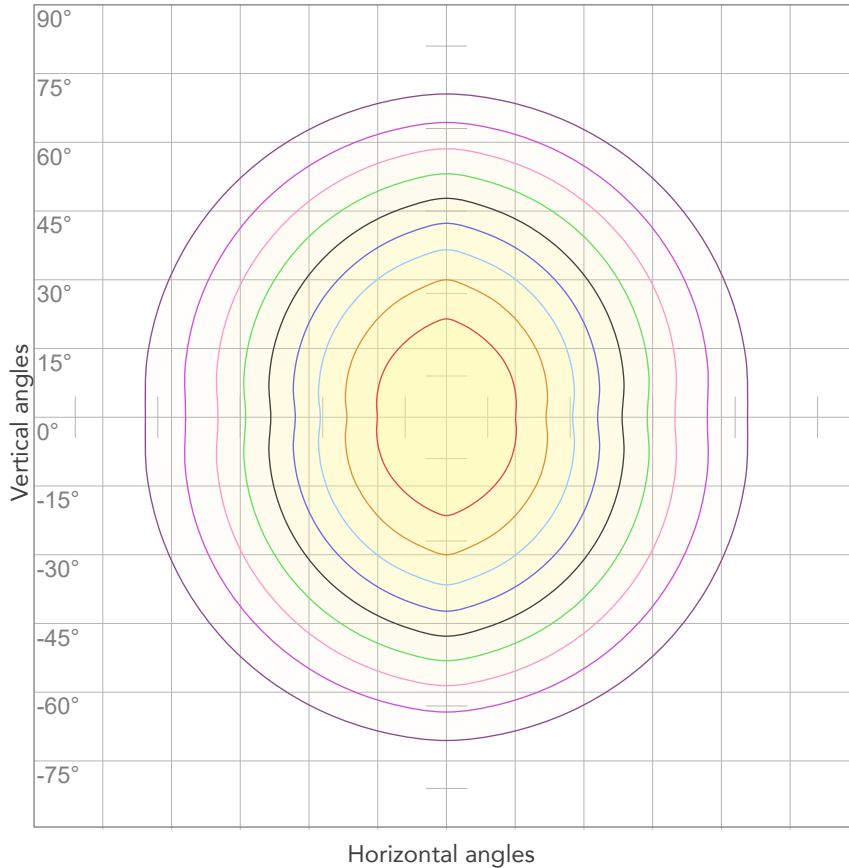


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	1,07A	232,2W	50lm/W

Power FC
0,96

## ISO CANDELA DIAGRAM



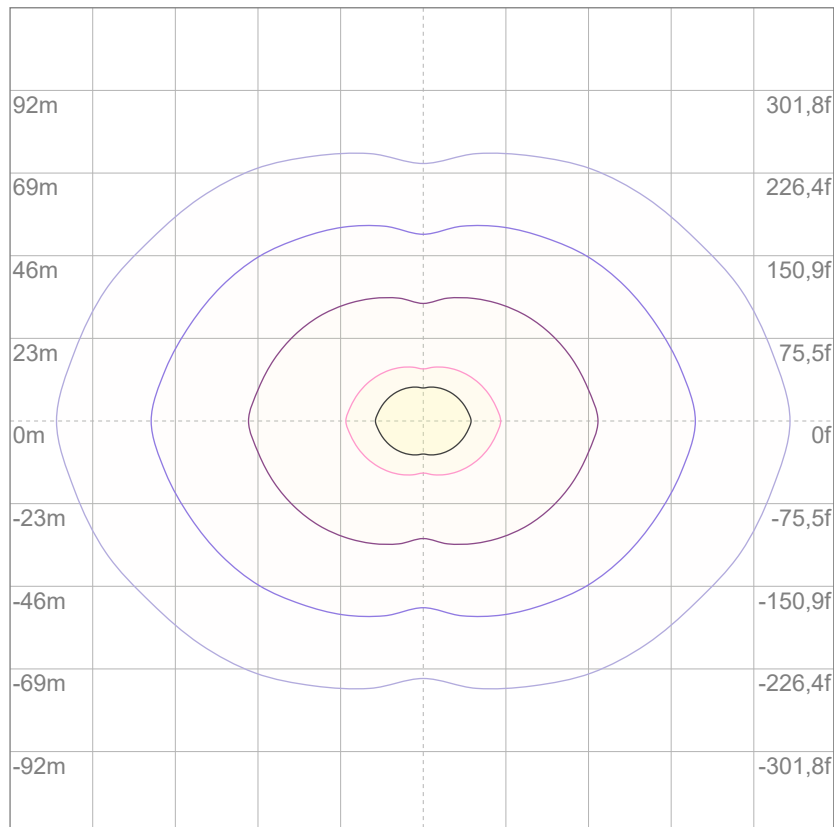
10%	495 cd
20%	991 cd
30%	1486 cd
40%	1981 cd
50%	2477 cd
60%	2972 cd
70%	3468 cd
80%	3963 cd

Conditions:

Number of c-planes: 4

Candela at center: 4954 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,49 lx
5%	2,48 lx
10%	4,95 lx
30%	14,9 lx
50%	24,8 lx

Conditions:

Number of c-planes: 4

Lux at center: 49,5 lx

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

Total lumen output:

10395 lm

Peak candela output:

5616 cd



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASUREMENT CONDITIONS:**

Beam angle:

Filter INT

Target:

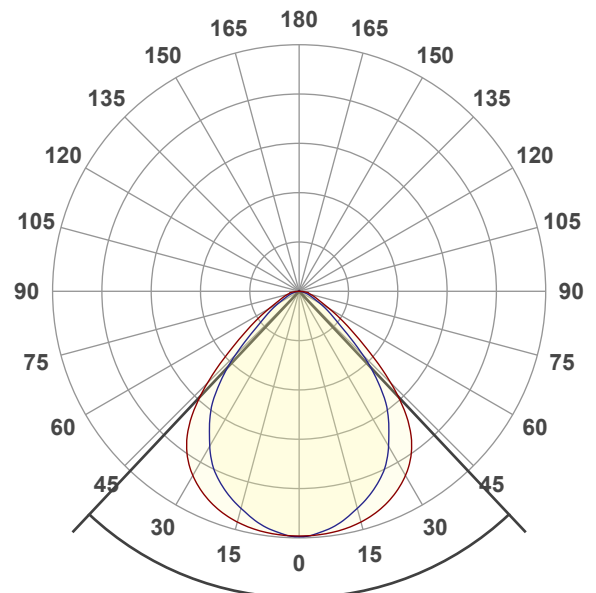
White

Operator:

Paolo Carvone

Date and time:

22/08/2022 18:13:11

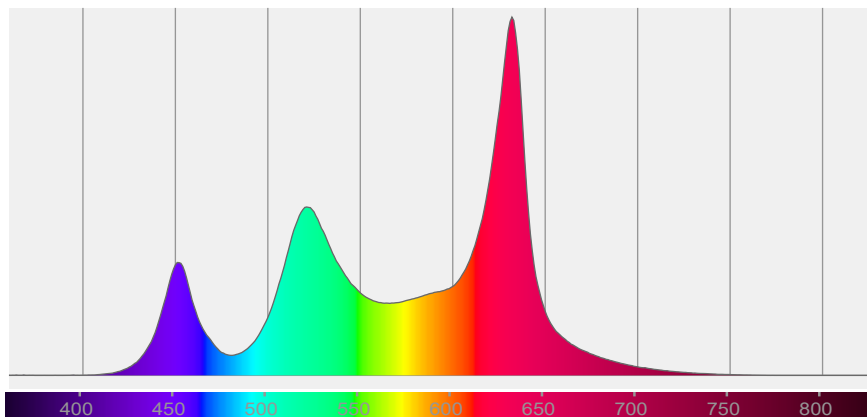


Beam angle 50%: 86,5°

Field angle 10%: 123,8°

Cut off angle 2.5%: 158,8°

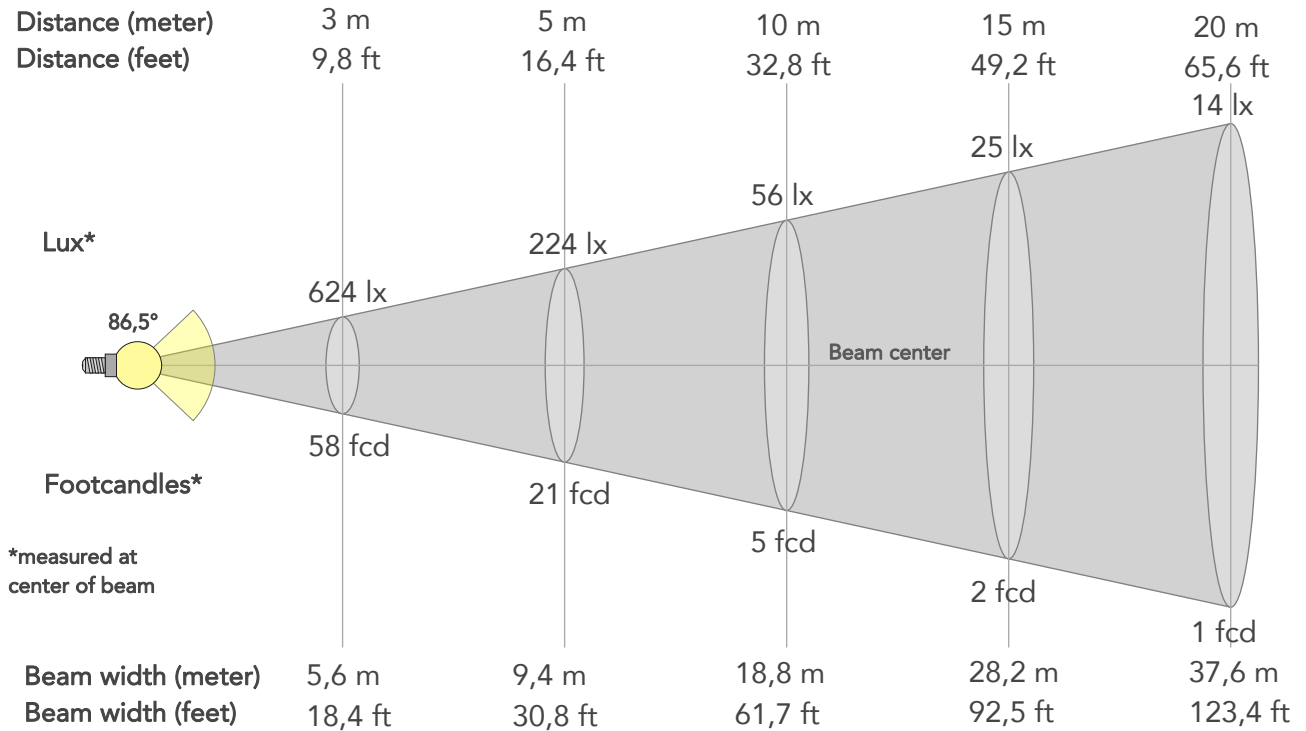
Spectra



# BEAM DETAILS



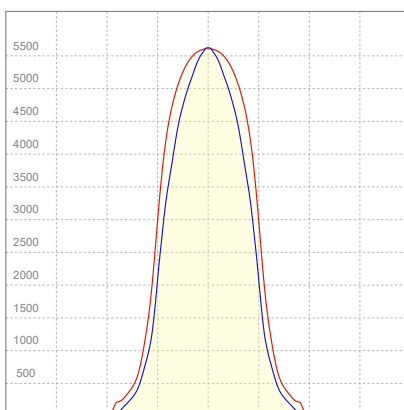
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
86,5°	123,8°	158,8°	92,9%	75,6%



## 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	5612lx	1403lx	624lx	351lx	224lx	100lx	56lx	25lx	14lx	9lx	6lx	4lx	2lx
Footcand.	521fcd	130fcd	58fcd	33fcd	21fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,9m	3,8m	5,6m	7,5m	9,4m	14,1m	18,8m	28,2m	37,6m	47m	56,4m	75,2m	94m
Beam wid.	6,2ft	12,4ft	18,4ft	24,6ft	30,8ft	46,3ft	61,7ft	92,5ft	123,4ft	154,2ft	185,1ft	246,8ft	308,5ft

## LINEAR DISTRIBUTION DIAGRAM

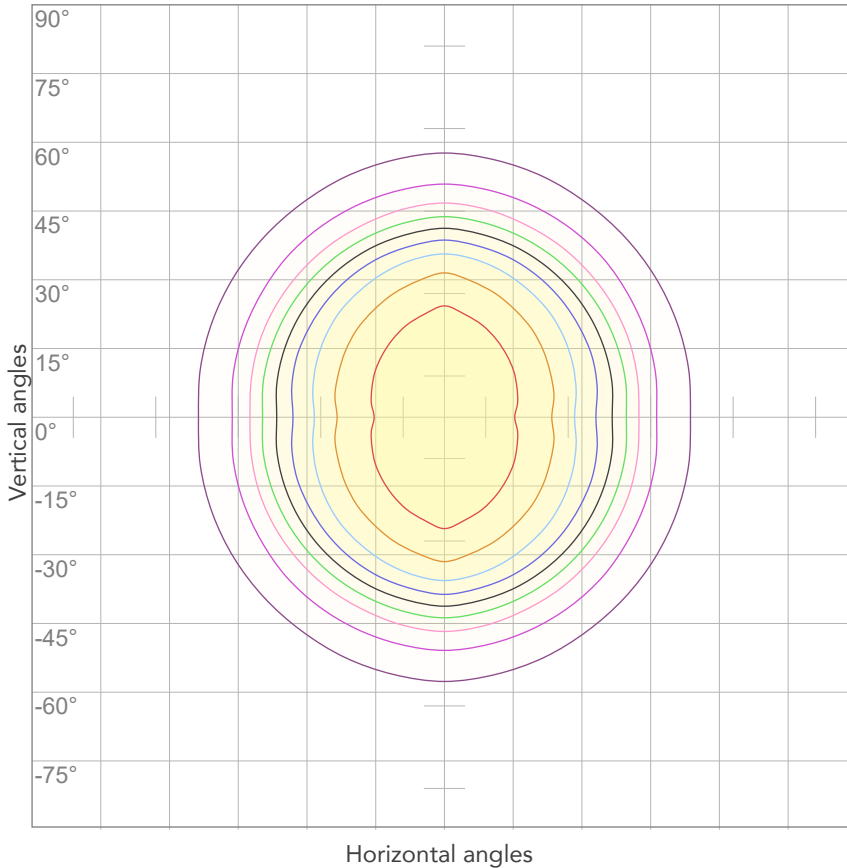


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
223V	1,07A	230,9W	45lm/W

Power FC
0,97

## ISO CANDELA DIAGRAM



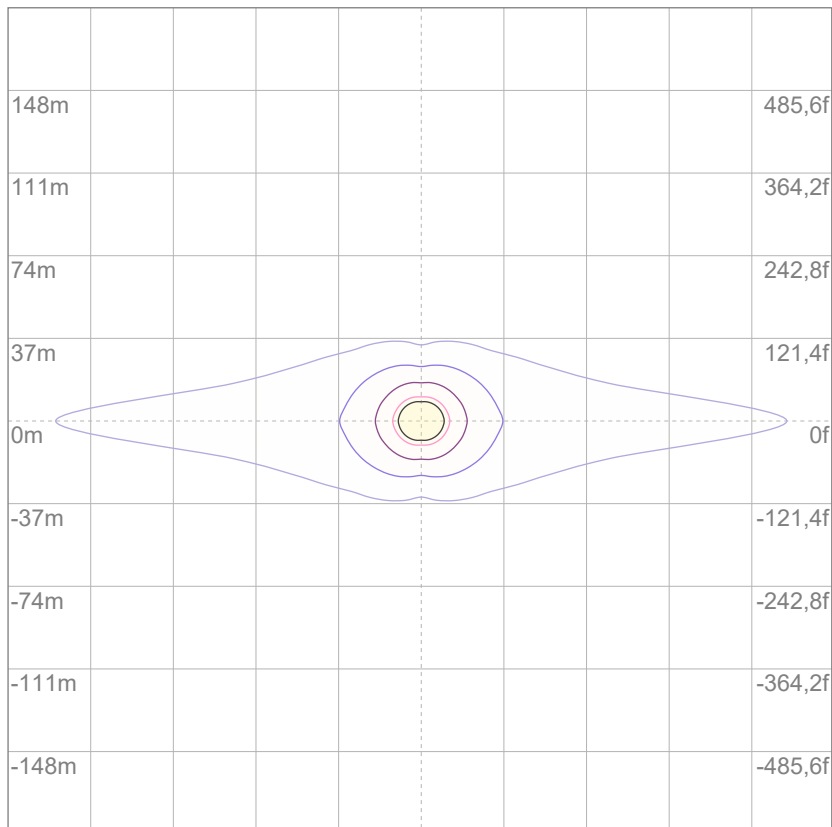
10%	561 cd
20%	1122 cd
30%	1683 cd
40%	2245 cd
50%	2806 cd
60%	3367 cd
70%	3928 cd
80%	4489 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 5612 cd

## ISO LUX DIAGRAM



3%	1,68 lx
5%	2,81 lx
10%	5,61 lx
30%	16,8 lx
50%	28,1 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 56,1 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

9646 lm

Peak candela output:

3298 cd

Light quality:

CRI: 90,5

Color temperature:

2853 K



PRODUCT NAME:

ECLSOFTLINEARIP

MEASURAMENT CONDITIONS:

Beam angle:

Filter HD

Target:

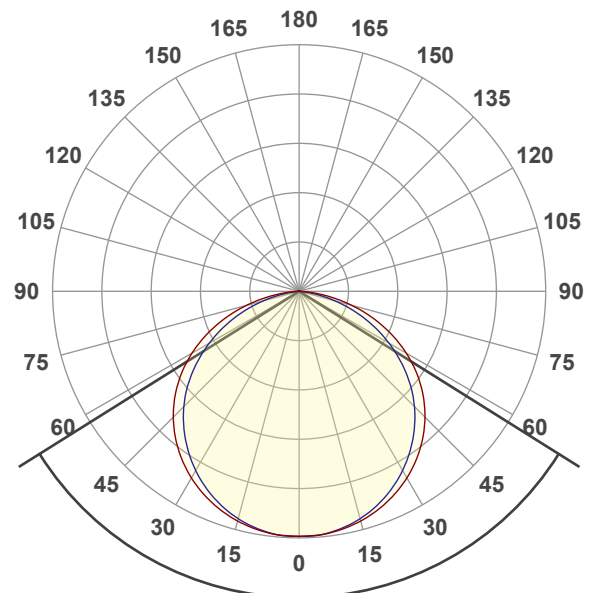
2800K

Operator:

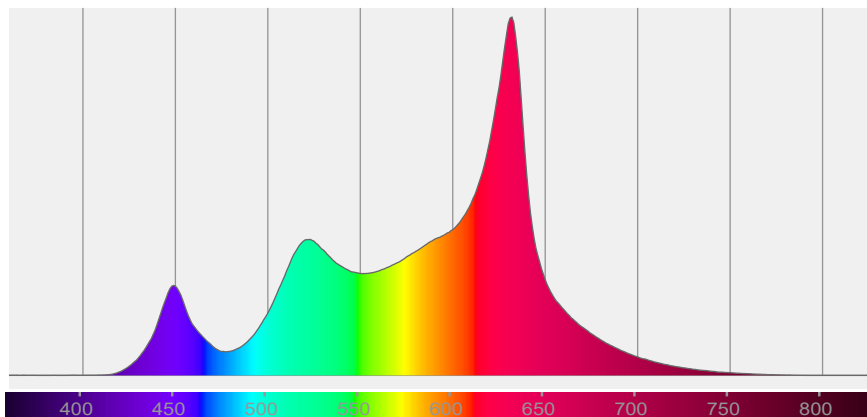
Paolo Carvone

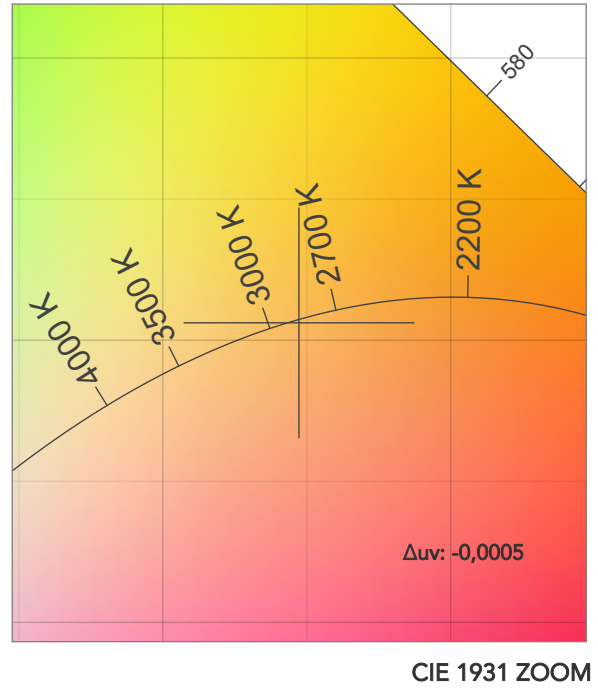
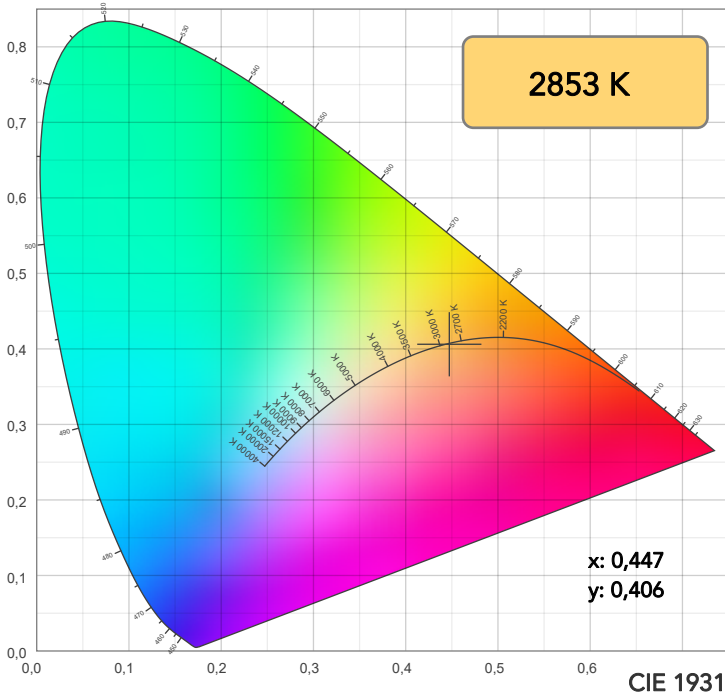
Date and time:

22/08/2022 17:46:28



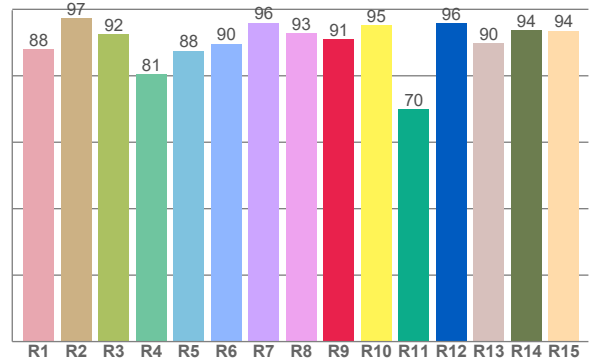
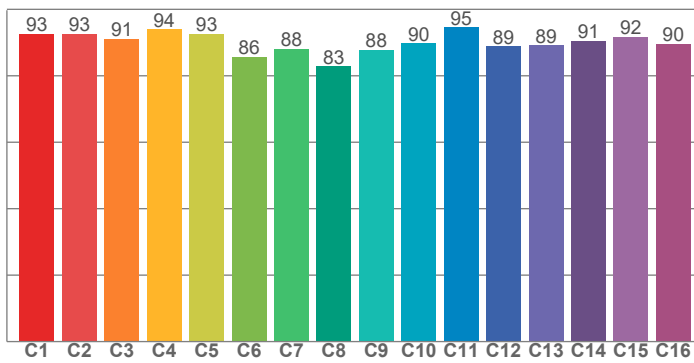
Spectra





TM30: 90,7

CRI: 90,5 (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
87,9	97,3	92,5	80,5	87,6	89,7	96,0	92,7	90,9	95,3	69,8	95,8	89,8	93,6	93,6

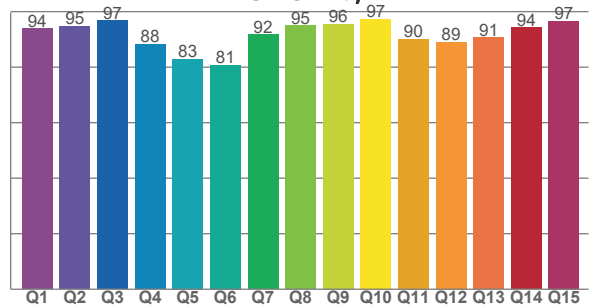
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,6	92,6	91,0	93,9	92,7	85,6	88,0	82,8	87,8	89,8	94,6	88,9	89,1	90,6	91,8	89,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,9	94,7	96,8	88,2	82,9	80,7	91,7	94,9	95,5	97,4	90,1	89,1	90,6	94,3	96,7

CQS: 90,2



COLOR PARAMETERS

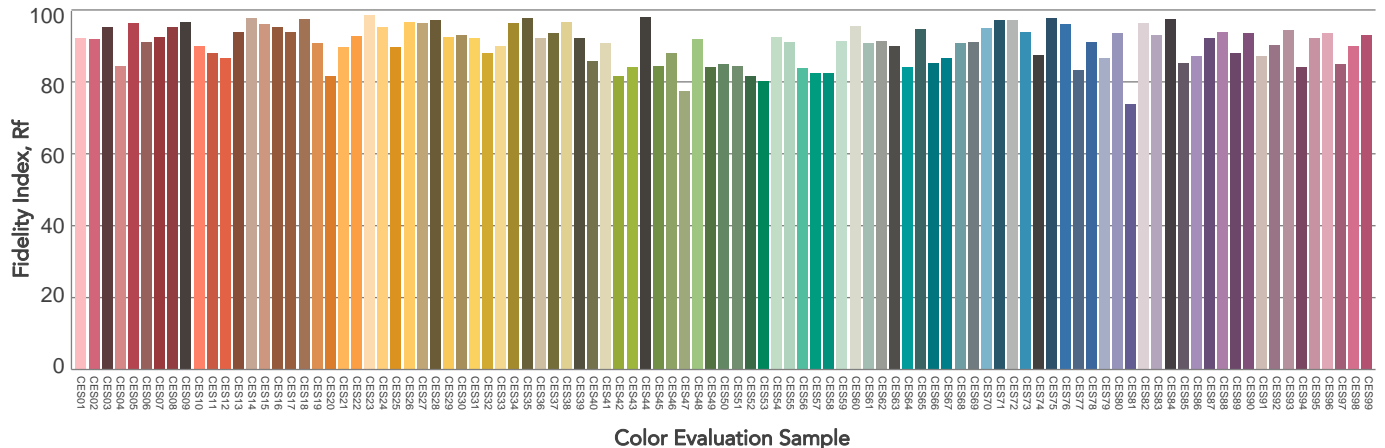
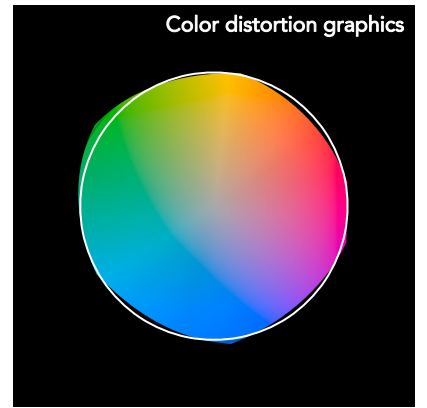
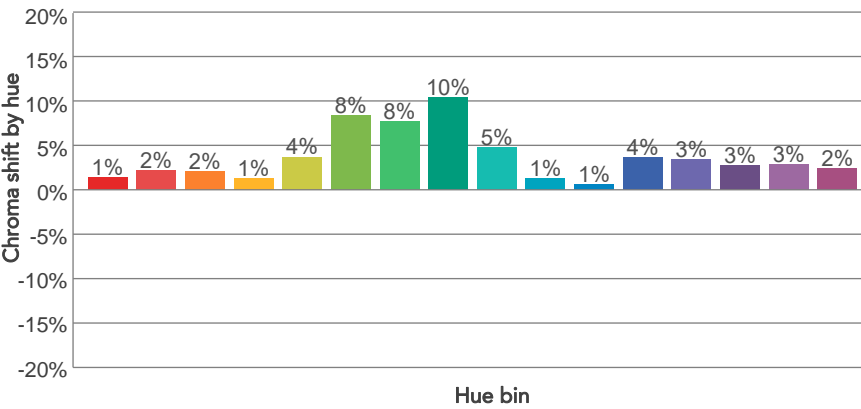
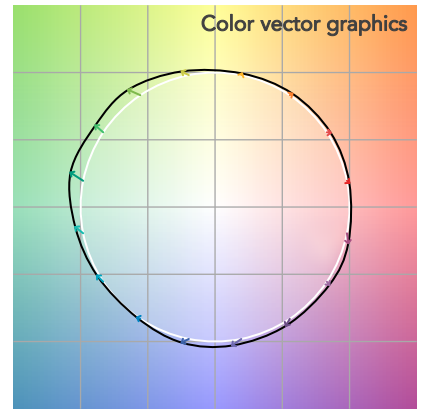
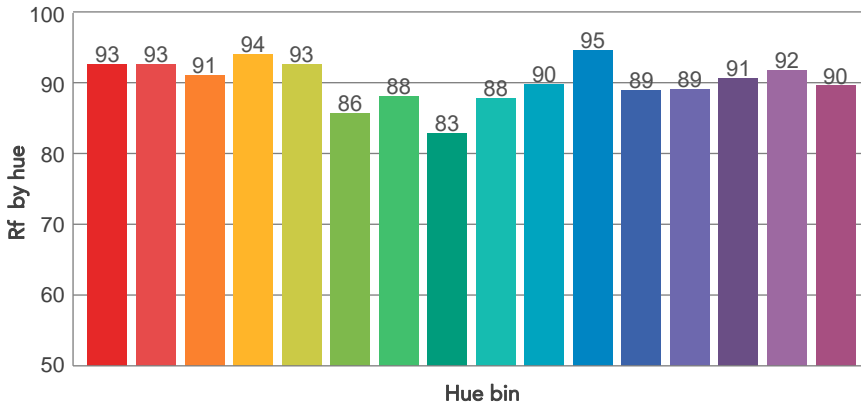
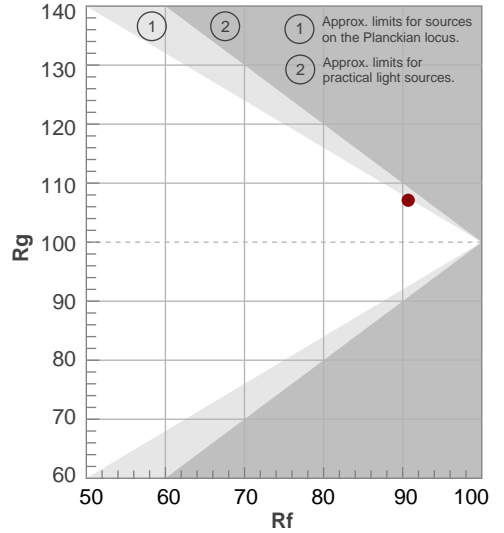
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2853 K	90,5	90,9	90,7	107,1	90,2	76	0,447	0,406	-0,0005

# TM30 DETAILS

**Rf 90,7**  
Fidelity index Rf

**Rg 107,1**  
Gammut index

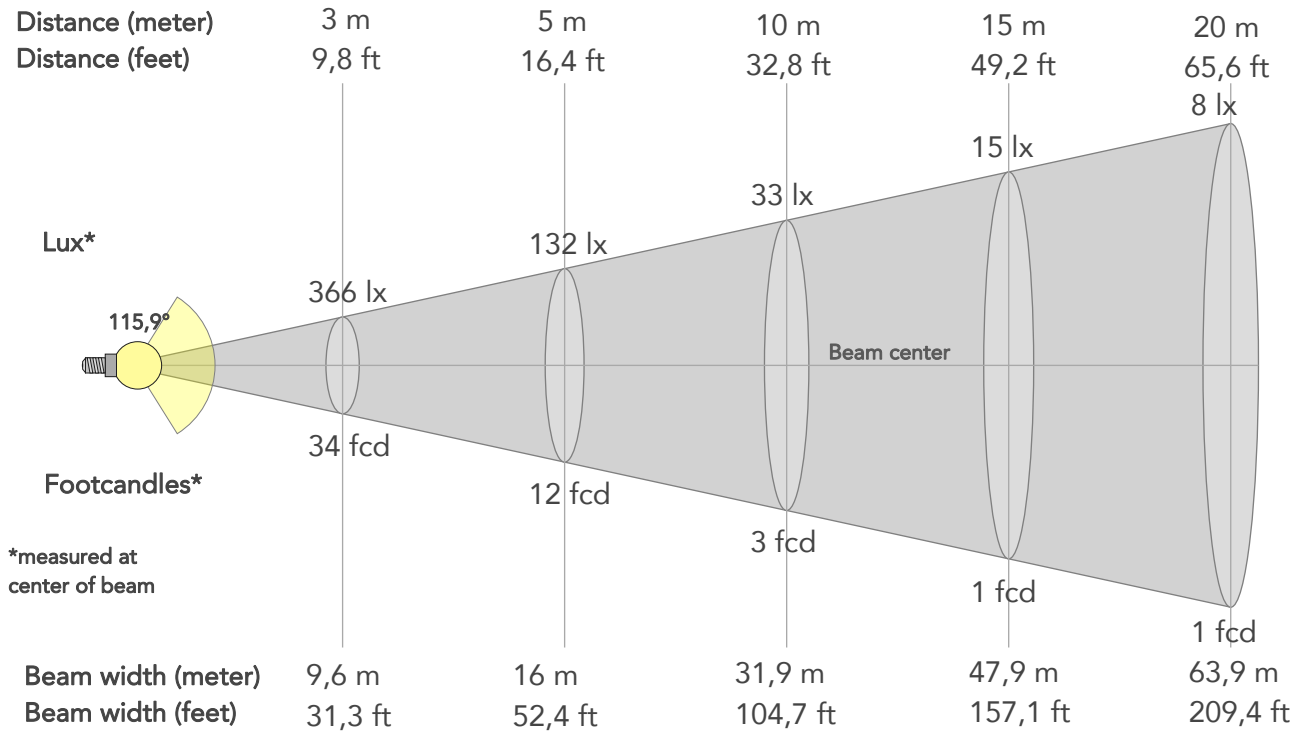
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	93	1%	-2%
2	93	2%	-2%
3	91	2%	-1%
4	94	1%	0%
5	93	4%	5%
6	86	8%	5%
7	88	8%	-1%
8	83	10%	-4%
9	88	5%	-6%
10	90	1%	-6%
11	95	1%	-3%
12	89	4%	-5%
13	89	3%	-8%
14	91	3%	-5%
15	92	3%	-1%
16	90	2%	-7%



# BEAM DETAILS



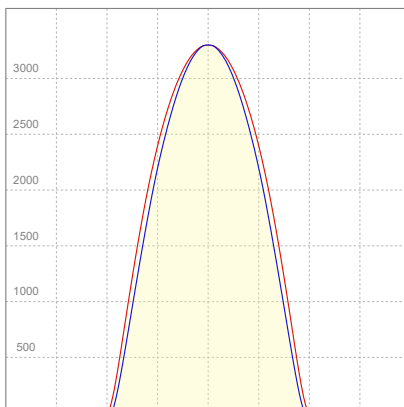
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
115,9°	159,5°	169,8°	79,2%	53,4%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3297lx	824lx	366lx	206lx	132lx	59lx	33lx	15lx	8lx	5lx	4lx	2lx	1lx
Footcand.	306fcd	77fcd	34fcd	19fcd	12fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	3,2m	6,4m	9,6m	12,8m	16m	23,9m	31,9m	47,9m	63,9m	79,8m	95,8m	127,7m	159,6m
Beam wid.	10,5ft	21,1ft	31,3ft	41,8ft	52,4ft	78,5ft	104,7ft	157,1ft	209,4ft	261,8ft	314,1ft	418,9ft	523,6ft

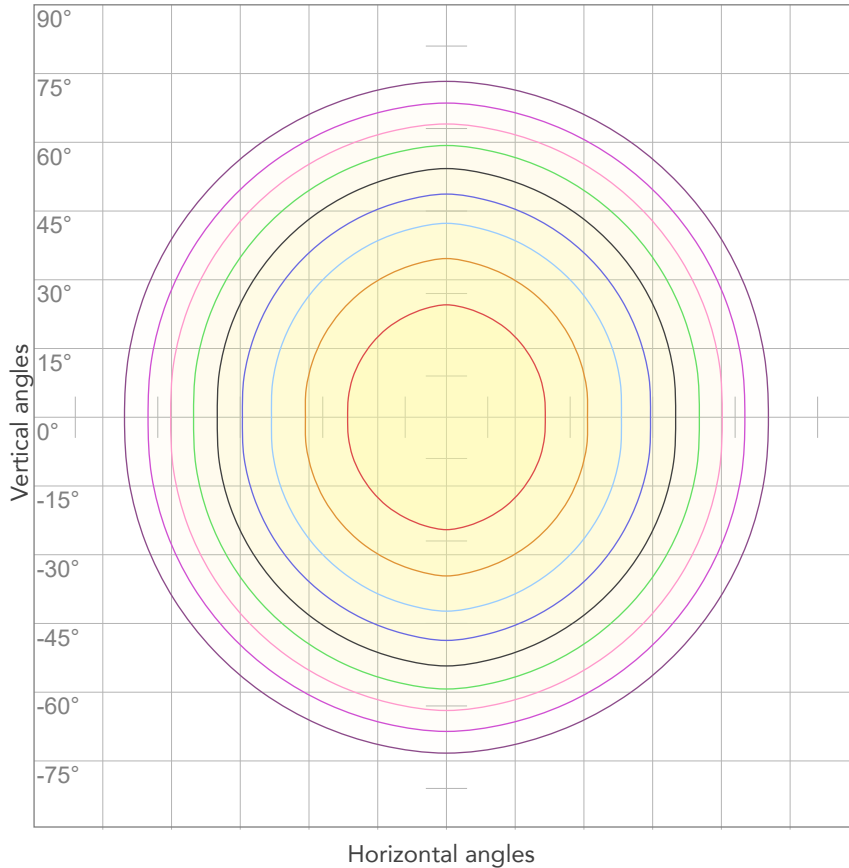
## LINEAR DISTRIBUTION DIAGRAM



## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
223V	1,07A	231,3W	42lm/W

## ISO CANDELA DIAGRAM



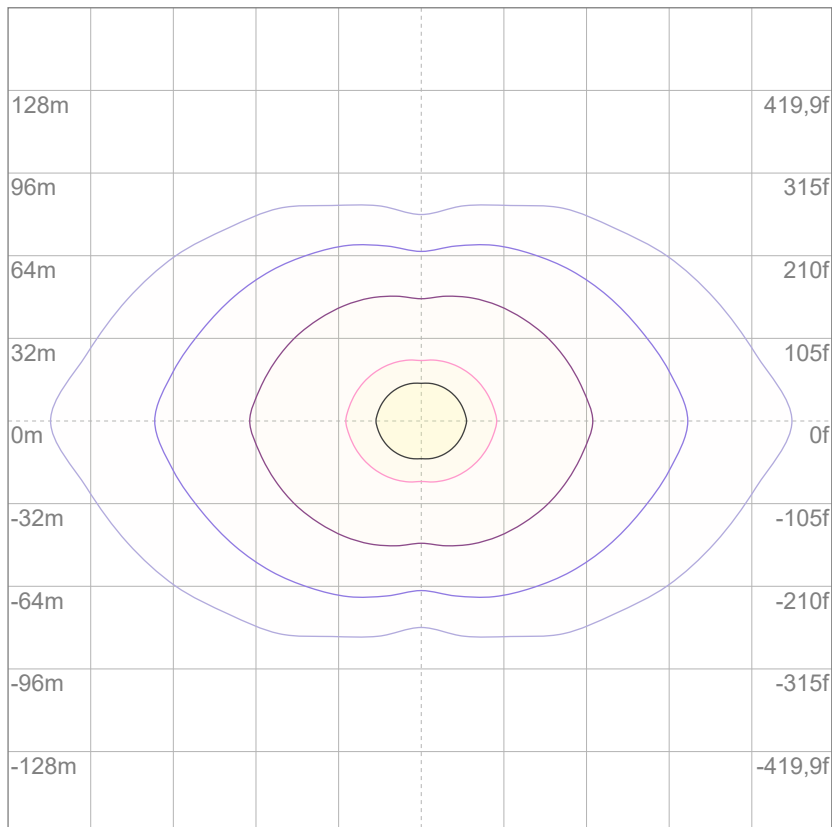
10%	330 cd
20%	659 cd
30%	989 cd
40%	1319 cd
50%	1649 cd
60%	1978 cd
70%	2308 cd
80%	2638 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 3297 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,989 lx
5%	1,65 lx
10%	3,30 lx
30%	9,89 lx
50%	16,5 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 33,0 lx

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

Total lumen output:

11881 lm

Peak candela output:

4691 cd

Light quality:

CRI: 92,2

Color temperature:

2825 K



**PRODUCT NAME:**  
ECLSOFTLINEARIP

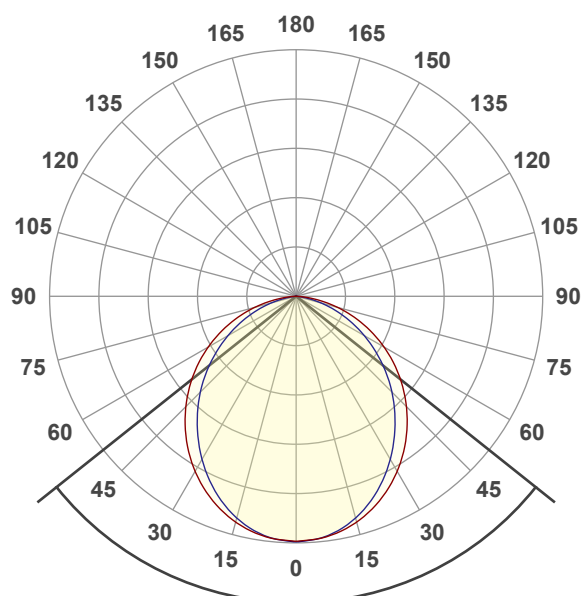
**MEASUREMENT CONDITIONS:**

Beam angle:  
Filter MD

Target:  
2800K

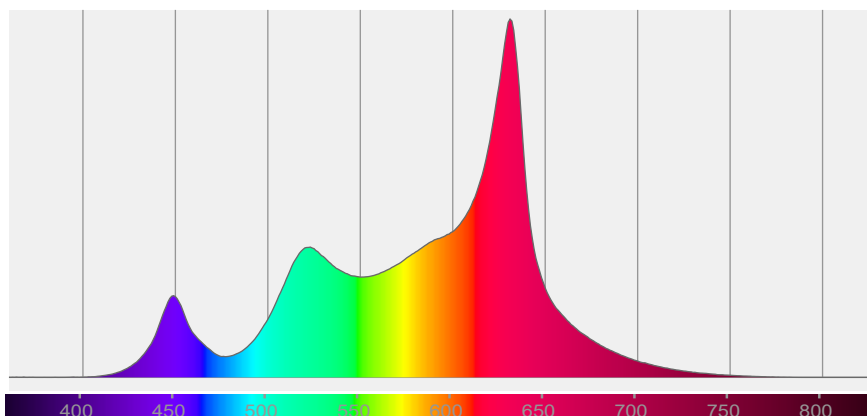
Operator:  
Paolo Carvone

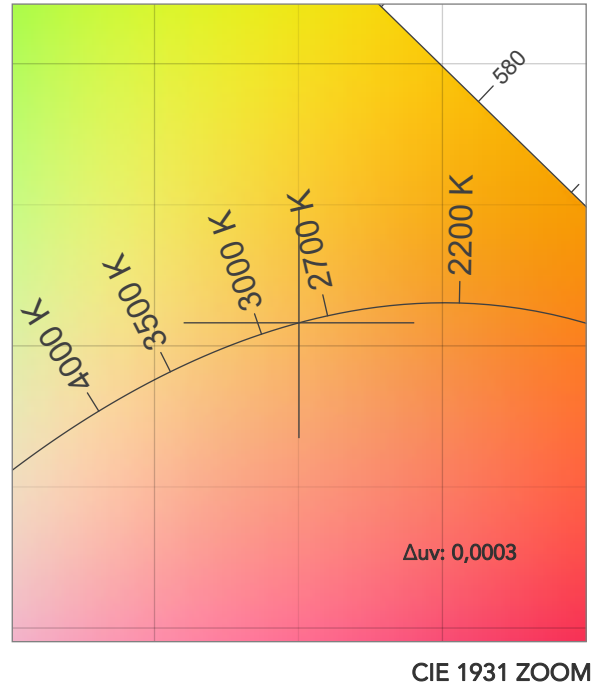
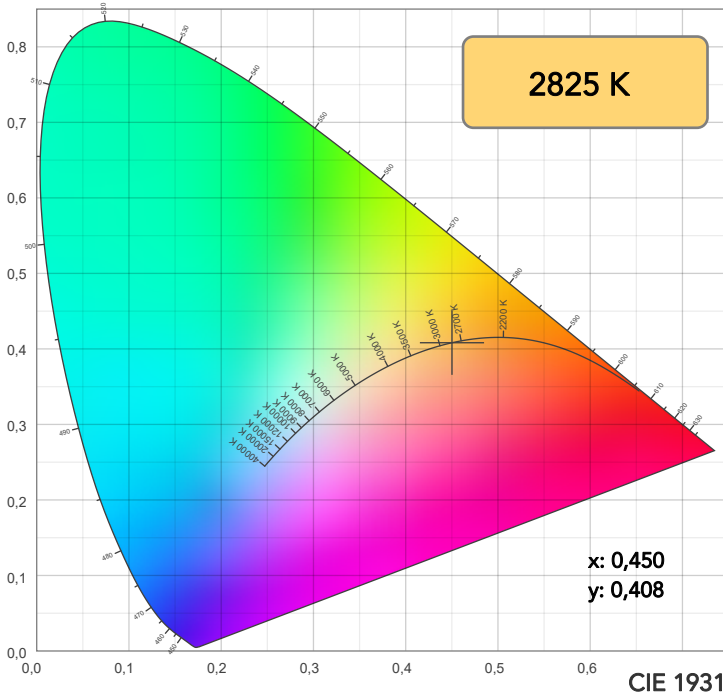
Date and time:  
22/08/2022 16:32:07



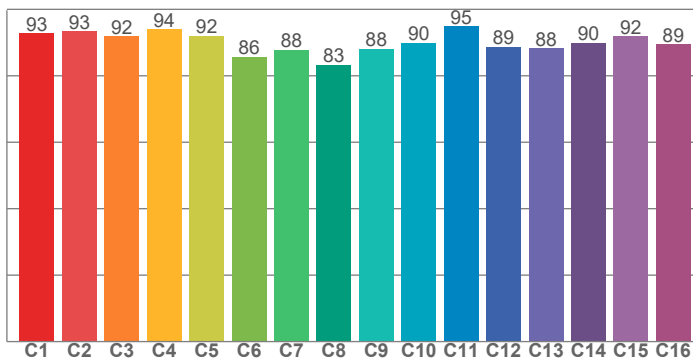
Beam angle 50%: 102,9°  
Field angle 10%: 155,3°  
Cut off angle 2.5%: 167,8°

Spectra

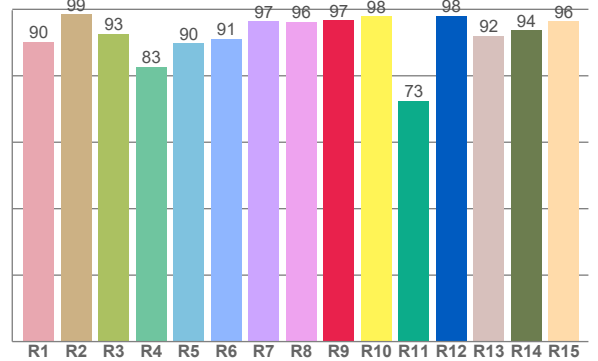




TM30: 90,8



CRI: 92,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
90,3	98,5	92,6	82,7	89,9	91,2	96,5	96,3	96,8	98,0	72,5	98,1	92,0	93,7	96,4

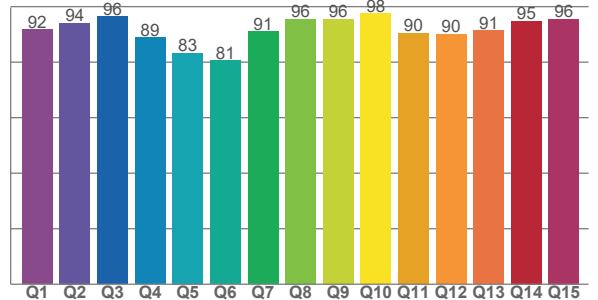
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,7	93,3	91,9	94,0	92,0	85,8	87,9	83,3	88,1	89,9	94,8	88,7	88,2	89,9	91,9	89,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91,8	94,1	96,4	88,9	83,3	80,6	91,1	95,5	95,6	97,6	90,4	90,0	91,4	94,8	95,6

CQS: 90,2



COLOR PARAMETERS

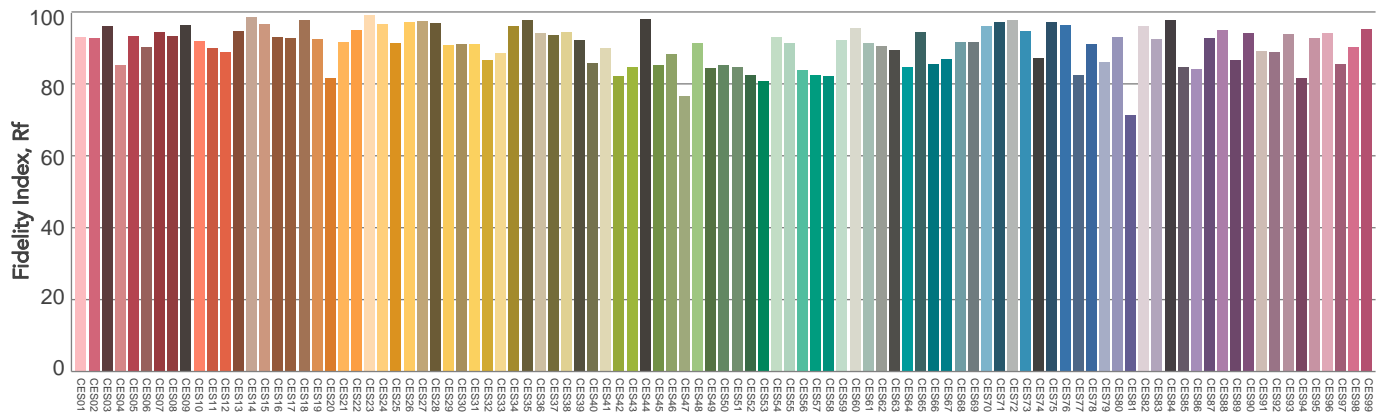
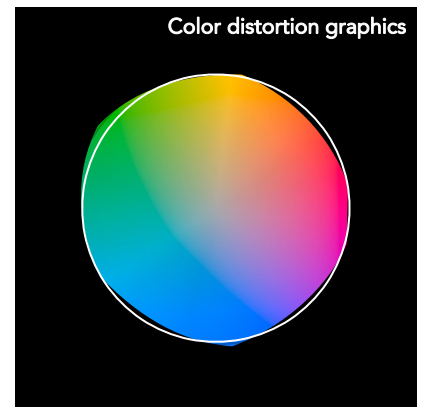
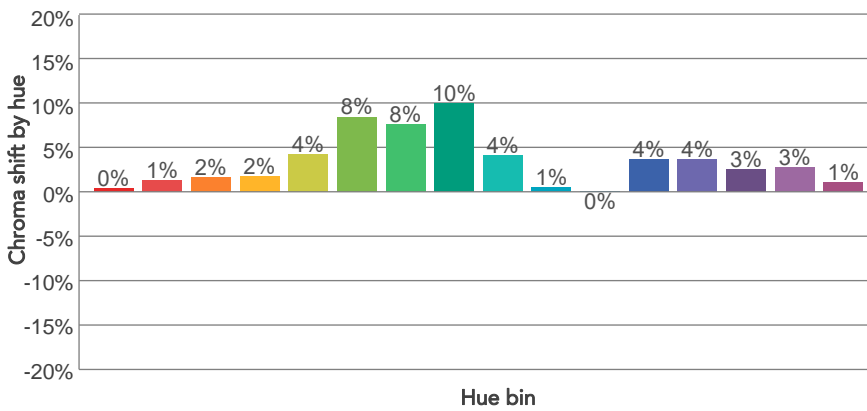
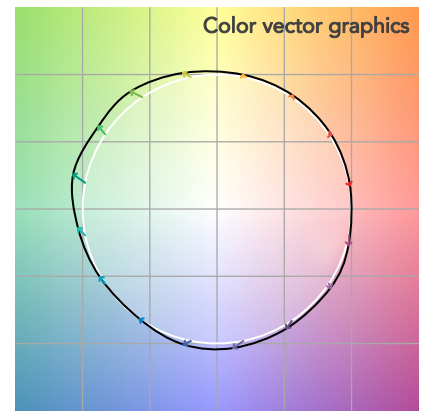
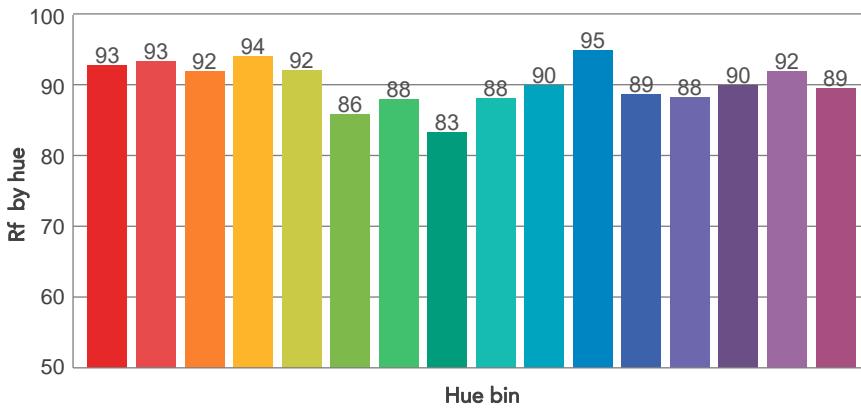
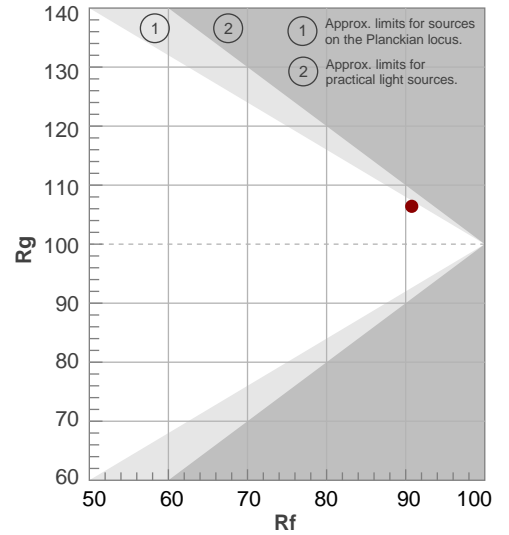
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
2825 K	92,2	96,8	90,8	106,4	90,2	76	0,450	0,408	0,0003

# TM30 DETAILS

**Rf 90,8**  
Fidelity index Rf

**Rg 106,4**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	93	0%	-2%
2	93	1%	-1%
3	92	2%	0%
4	94	2%	1%
5	92	4%	5%
6	86	8%	5%
7	88	8%	-2%
8	83	10%	-4%
9	88	4%	-6%
10	90	1%	-6%
11	95	0%	-2%
12	89	4%	-5%
13	88	4%	-8%
14	90	3%	-6%
15	92	3%	-2%
16	89	1%	-7%



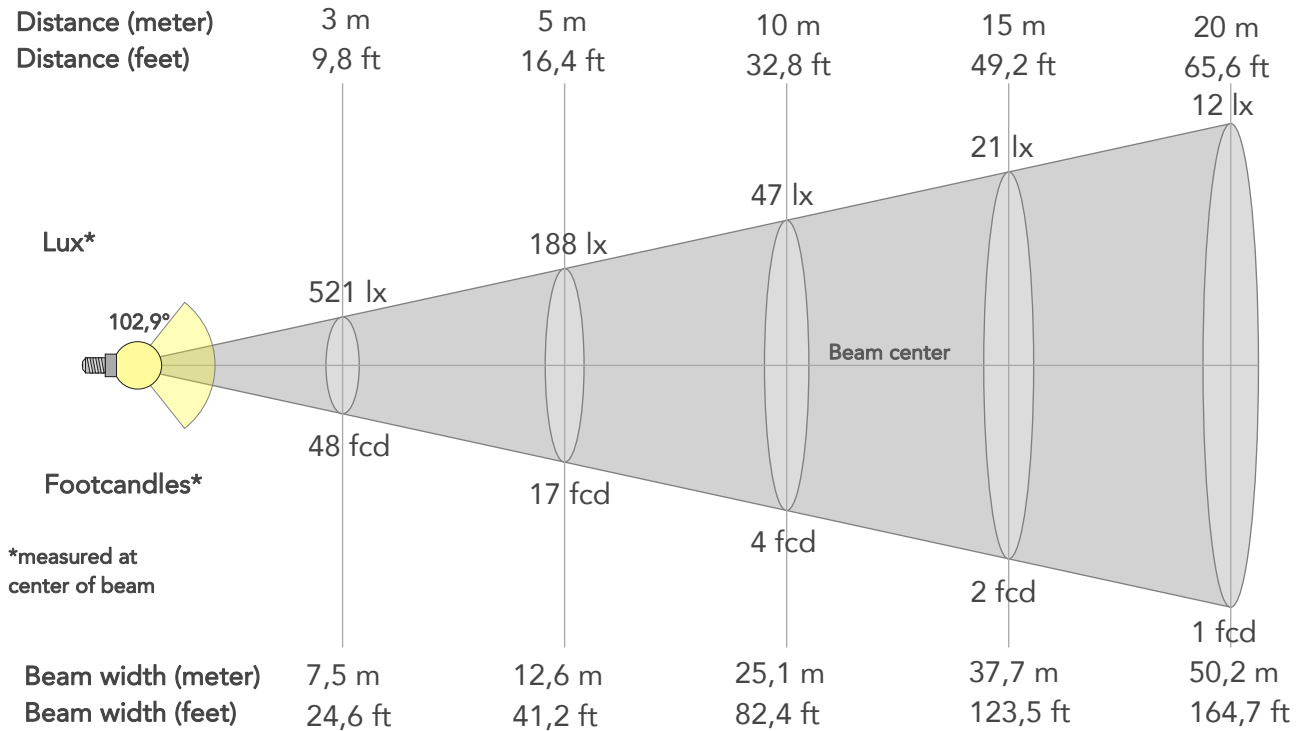
Color Evaluation Sample



# BEAM DETAILS



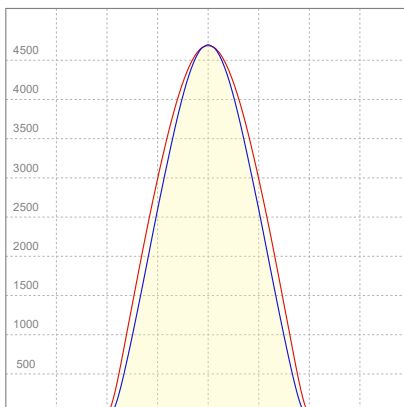
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102,9°	155,3°	167,8°	81,6%	57,0%



## 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	4688lx	1172lx	521lx	293lx	188lx	83lx	47lx	21lx	12lx	8lx	5lx	3lx	2lx
Footcand.	436fcd	109fcd	48fcd	27fcd	17fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	2,5m	5m	7,5m	10m	12,6m	18,8m	25,1m	37,7m	50,2m	62,8m	75,3m	100,4m	125,6m
Beam wid.	8,3ft	16,6ft	24,6ft	32,9ft	41,2ft	61,8ft	82,4ft	123,5ft	164,7ft	205,9ft	247,1ft	329,5ft	411,8ft

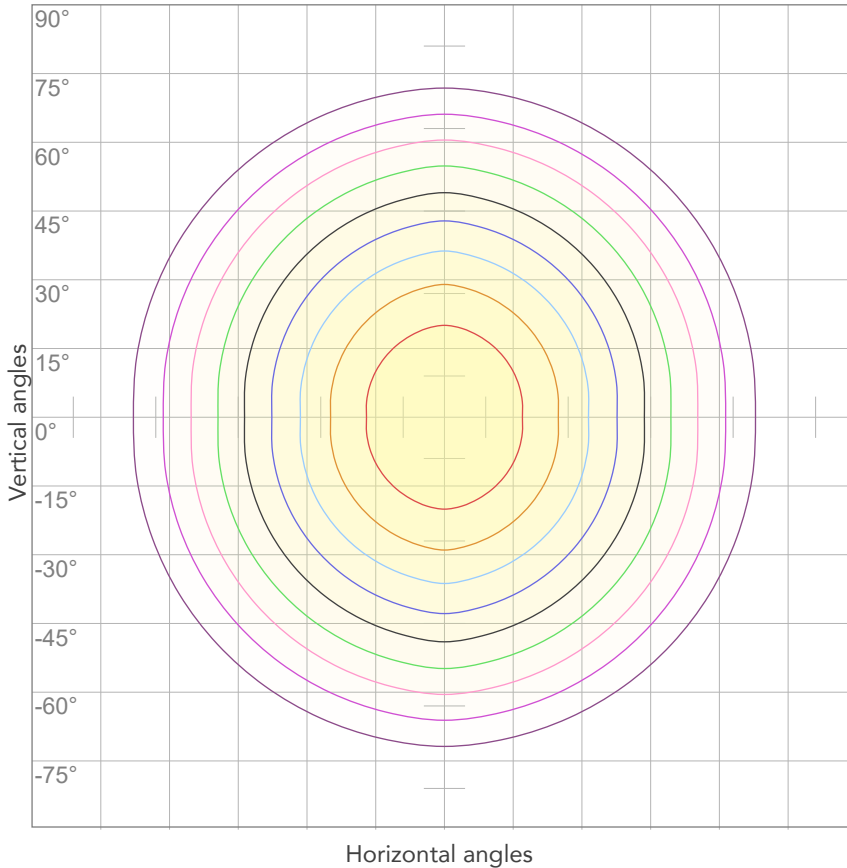
## LINEAR DISTRIBUTION DIAGRAM



## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
223V	1,08A	233,3W	51lm/W

## ISO CANDELA DIAGRAM



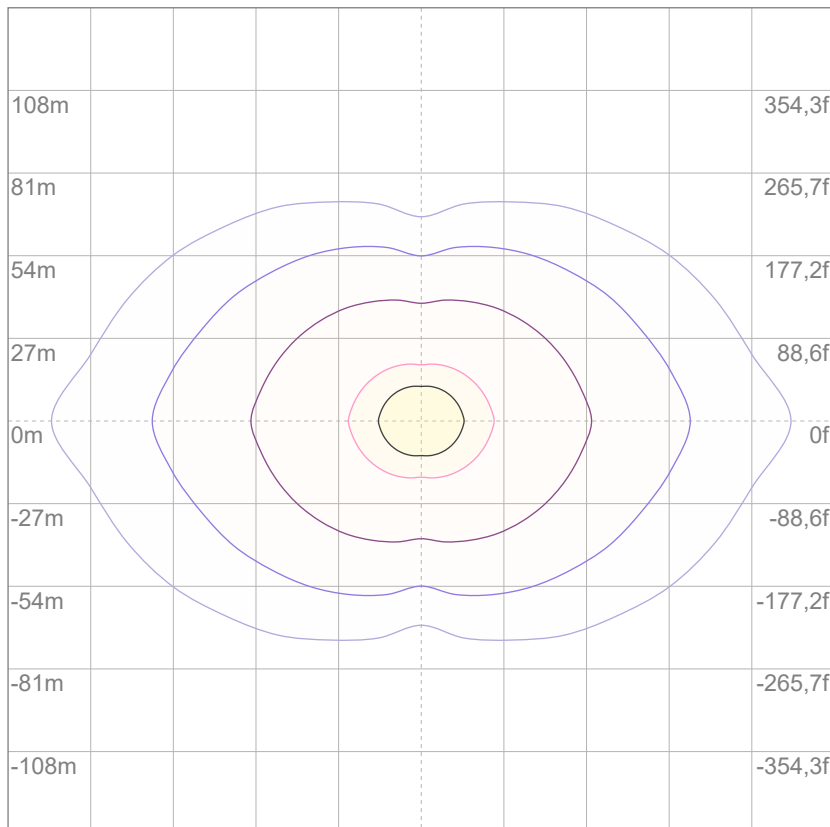
10%	469 cd
20%	938 cd
30%	1406 cd
40%	1875 cd
50%	2344 cd
60%	2813 cd
70%	3281 cd
80%	3750 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 4688 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,41 lx
5%	2,34 lx
10%	4,69 lx
30%	14,1 lx
50%	23,4 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 46,9 lx

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

Total lumen output:

12807 lm

Peak candela output:

5504 cd

Light quality:

CRI: 91,7

Color temperature:

2820 K



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASURAMENT CONDITIONS:**

Beam angle:

Filter LD

Target:

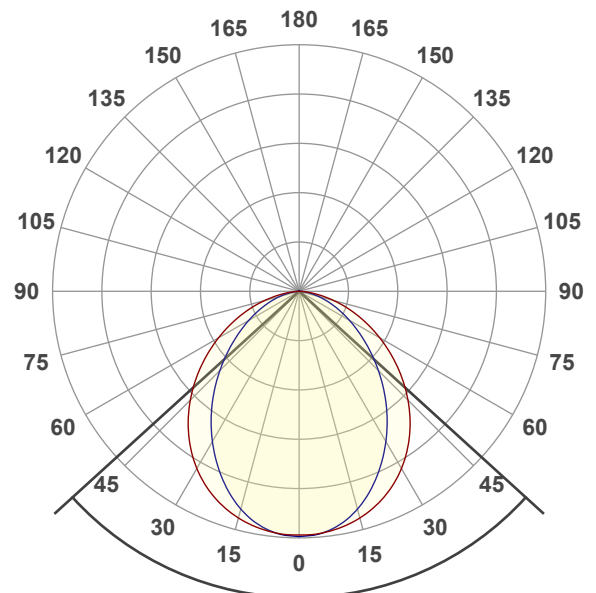
2800K

Operator:

Paolo Carvone

Date and time:

23/08/2022 11:09:40

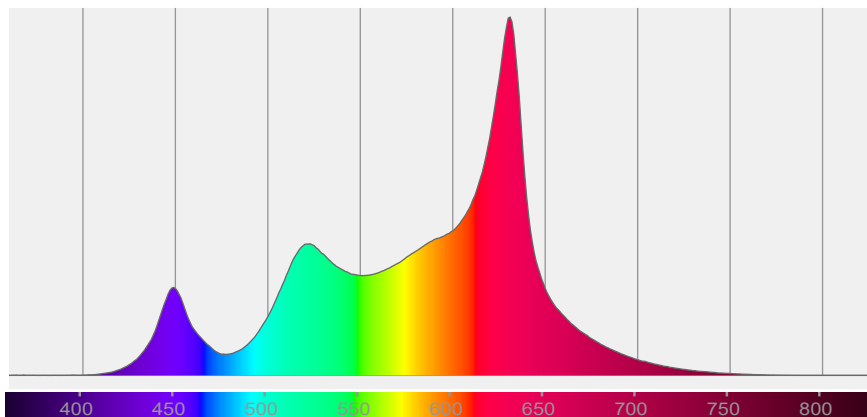


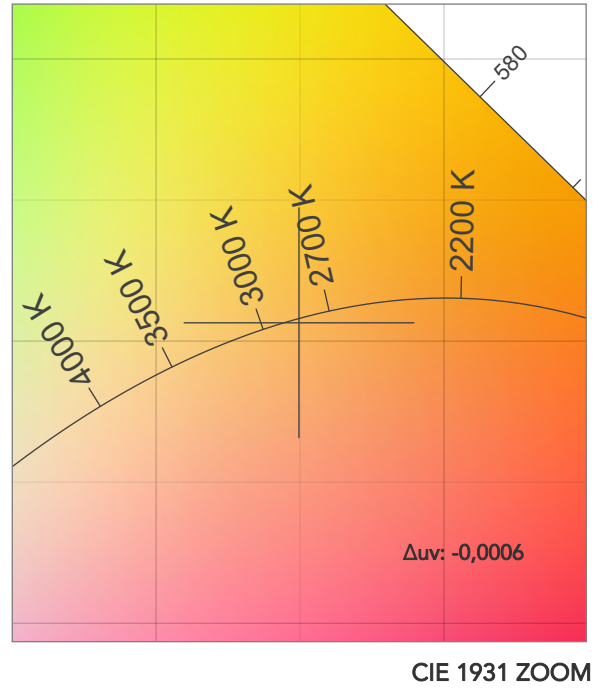
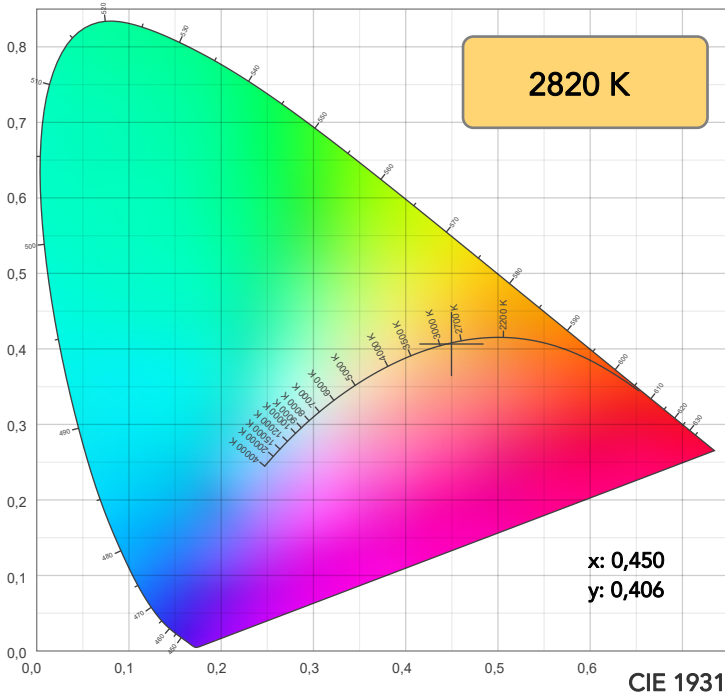
Beam angle 50%: 95,4°

Field angle 10%: 151,4°

Cut off angle 2.5%: 168,2°

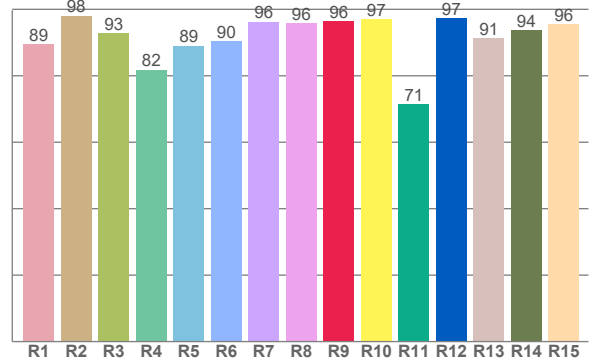
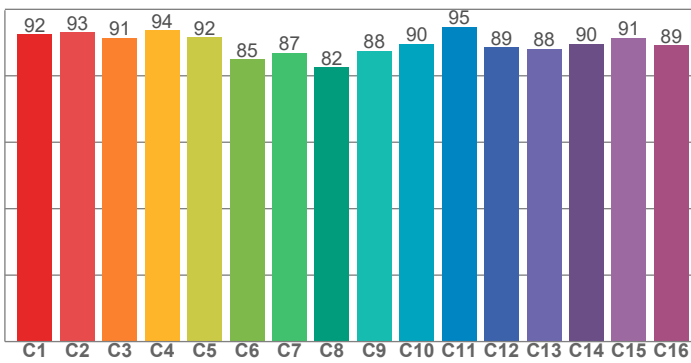
Spectra





TM30: 90,4

CRI: 91,7 (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
89,5	98,0	92,8	81,8	89,1	90,4	96,2	95,8	96,4	97,0	71,4	97,3	91,2	93,7	95,5

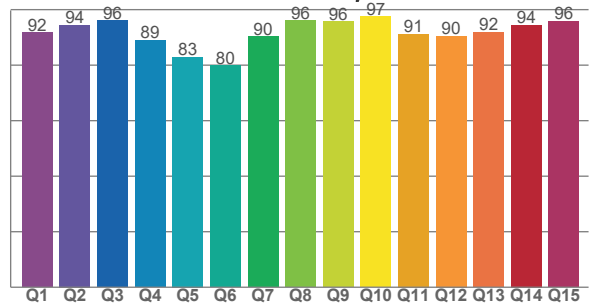
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,5	93,1	91,5	93,6	91,5	84,9	87,0	82,5	87,5	89,6	94,7	88,5	88,2	89,7	91,5	89,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91,7	94,4	96,1	89,0	83,0	79,9	90,3	96,1	95,7	97,5	91,3	90,5	91,8	94,4	95,8

CQS: 90,2



COLOR PARAMETERS

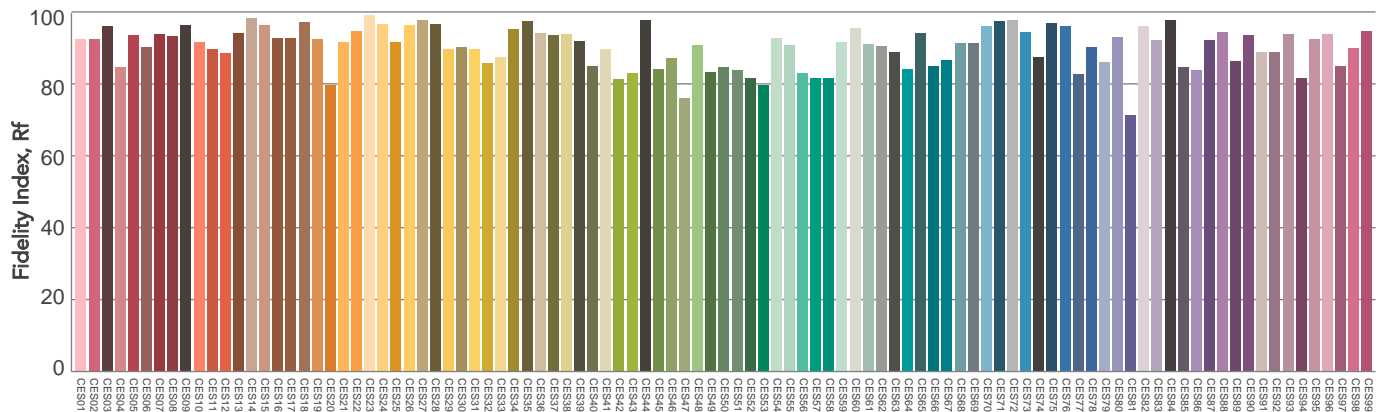
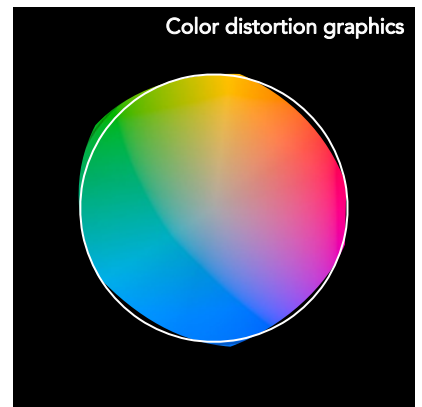
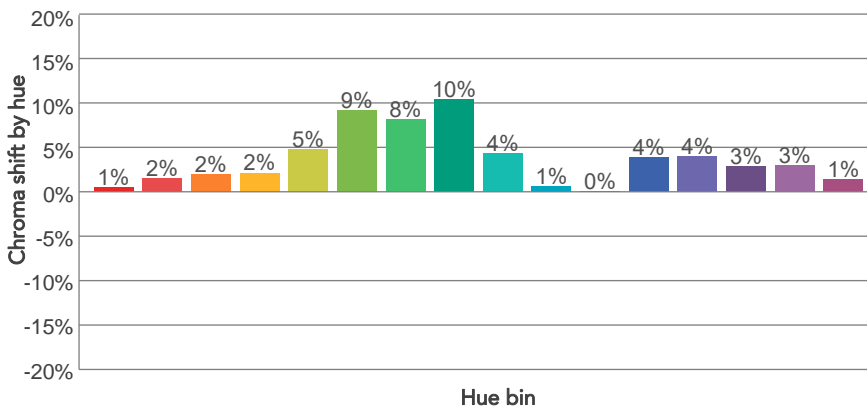
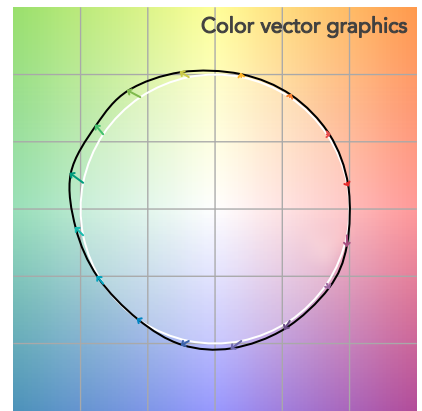
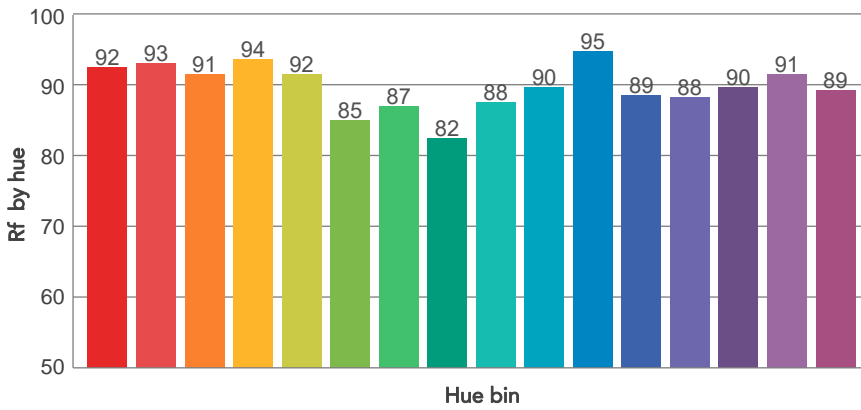
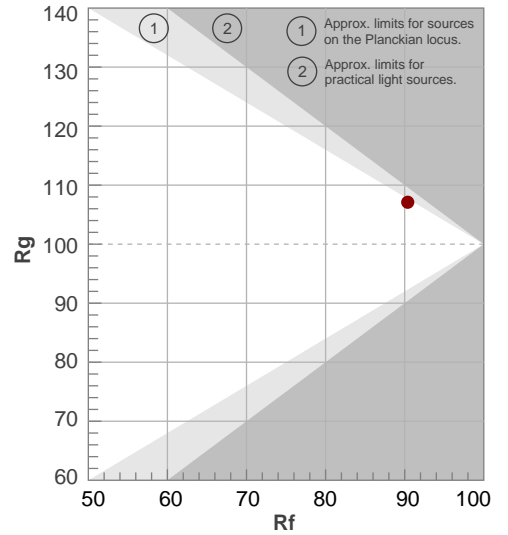
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2820 K	91,7	96,4	90,4	107,1	90,2	74	0,450	0,406	-0,0006

# TM30 DETAILS

**Rf 90,4**  
Fidelity index Rf

**Rg 107,1**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	92	1%	-2%
2	93	2%	-1%
3	91	2%	0%
4	94	2%	1%
5	92	5%	5%
6	85	9%	5%
7	87	8%	-2%
8	82	10%	-5%
9	88	4%	-6%
10	90	1%	-7%
11	95	0%	-2%
12	89	4%	-4%
13	88	4%	-8%
14	90	3%	-6%
15	91	3%	-2%
16	89	1%	-8%

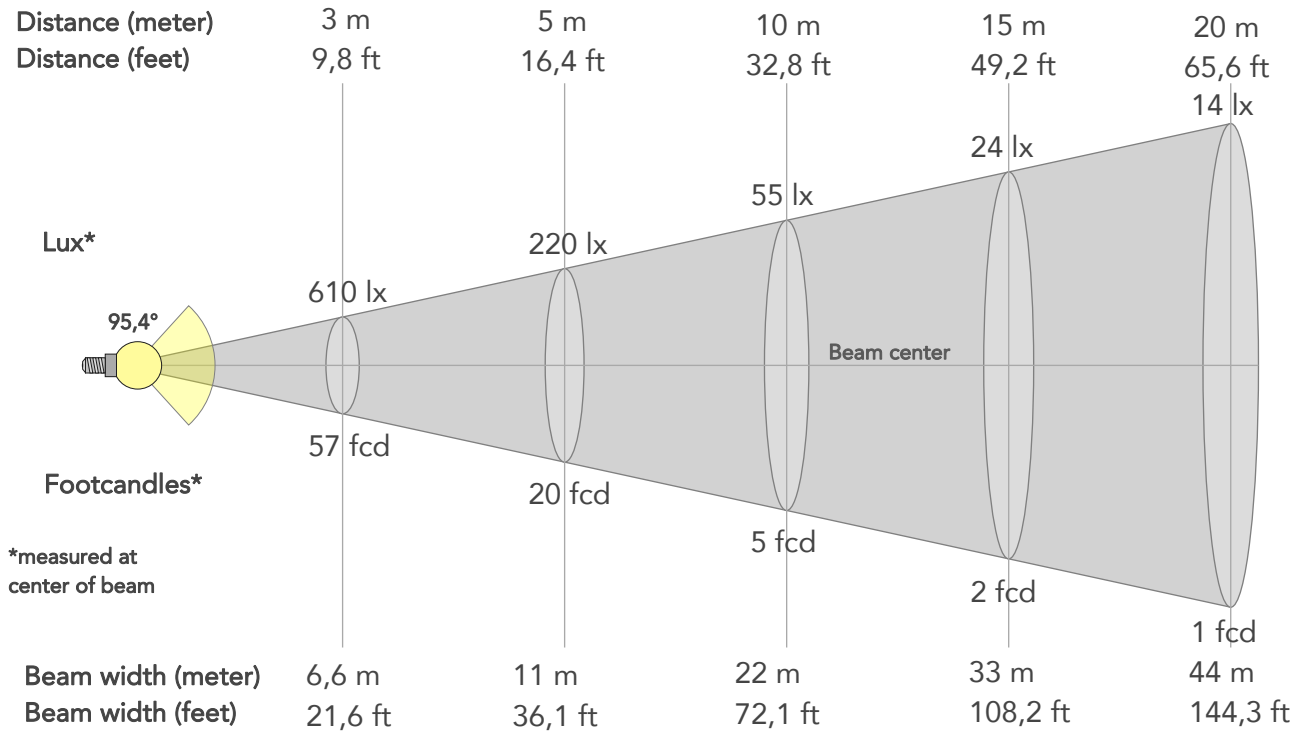


Color Evaluation Sample

# BEAM DETAILS



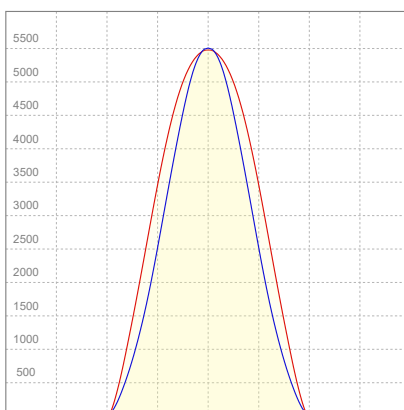
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
95,4°	151,4°	168,2°	83,4%	60,0%



## 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	5488lx	1372lx	610lx	343lx	220lx	98lx	55lx	24lx	14lx	9lx	6lx	3lx	2lx
Footcand.	510fcd	127fcd	57fcd	32fcd	20fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	2,2m	4,4m	6,6m	8,8m	11m	16,5m	22m	33m	44m	55m	66m	88m	110m
Beam wid.	7,3ft	14,5ft	21,6ft	28,8ft	36,1ft	54,1ft	72,1ft	108,2ft	144,3ft	180,4ft	216,4ft	288,6ft	360,7ft

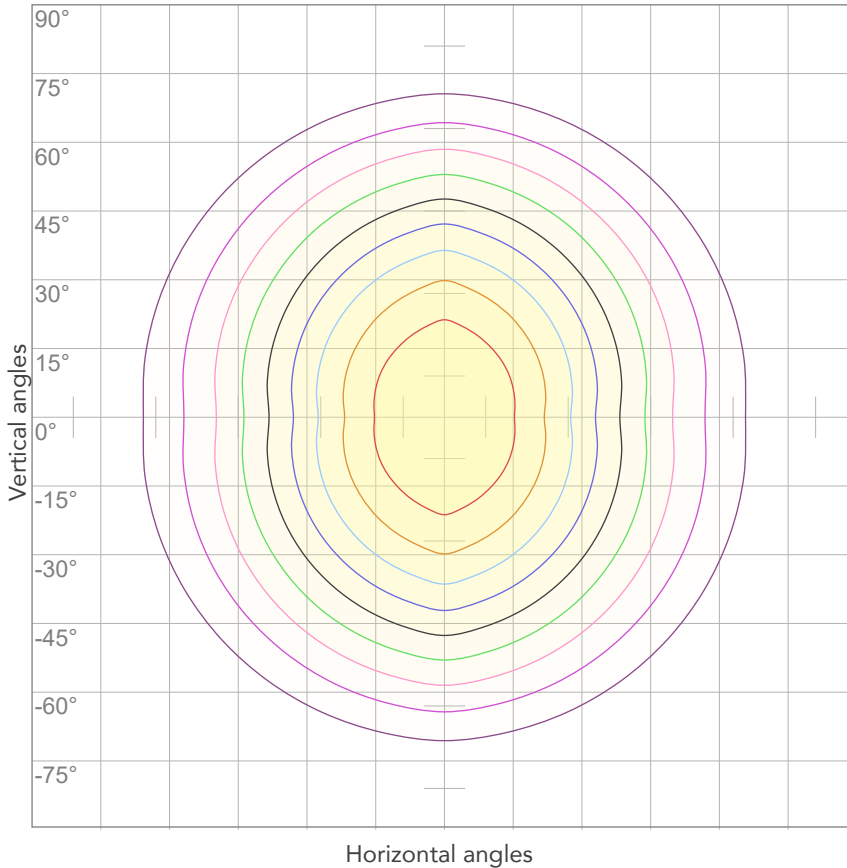
## LINEAR DISTRIBUTION DIAGRAM



## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	1,08A	233,9W	55lm/W

## ISO CANDELA DIAGRAM



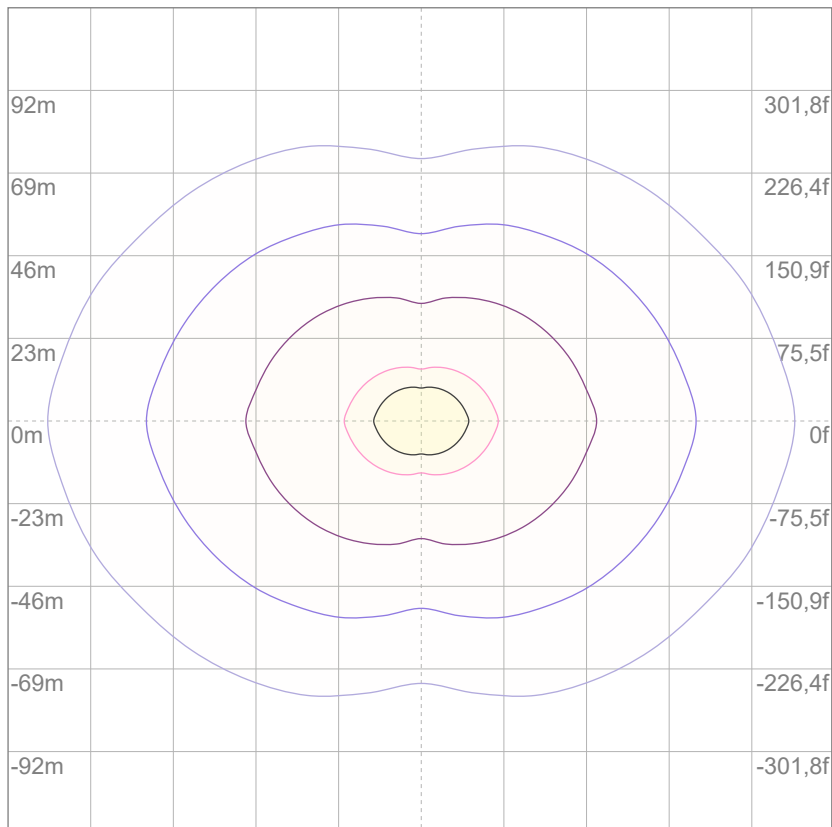
10%	549 cd
20%	1098 cd
30%	1646 cd
40%	2195 cd
50%	2744 cd
60%	3293 cd
70%	3842 cd
80%	4391 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 5488 cd

## ISO LUX DIAGRAM



3%	1,65 lx
5%	2,74 lx
10%	5,49 lx
30%	16,5 lx
50%	27,4 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 54,9 lx

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

Total lumen output:

11497 lm

Peak candela output:

6235 cd

Light quality:

CRI: 92,3

Color temperature:

2830 K



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASUREMENT CONDITIONS:**

Beam angle:

Filter INT

Target:

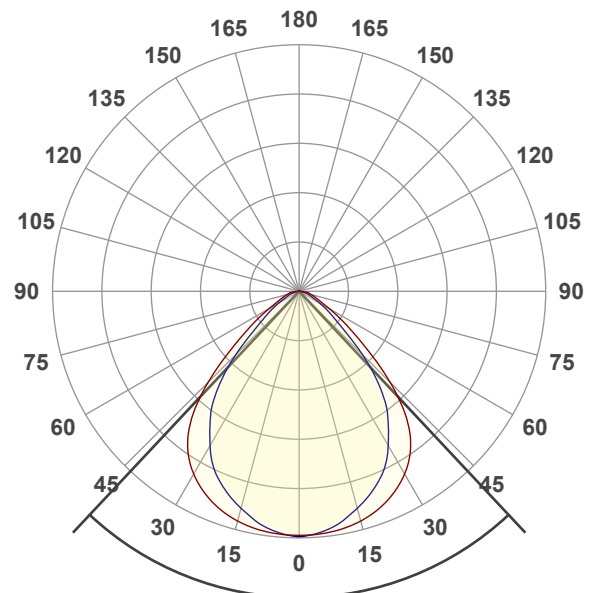
2800K

Operator:

Paolo Carvone

Date and time:

22/08/2022 18:15:10

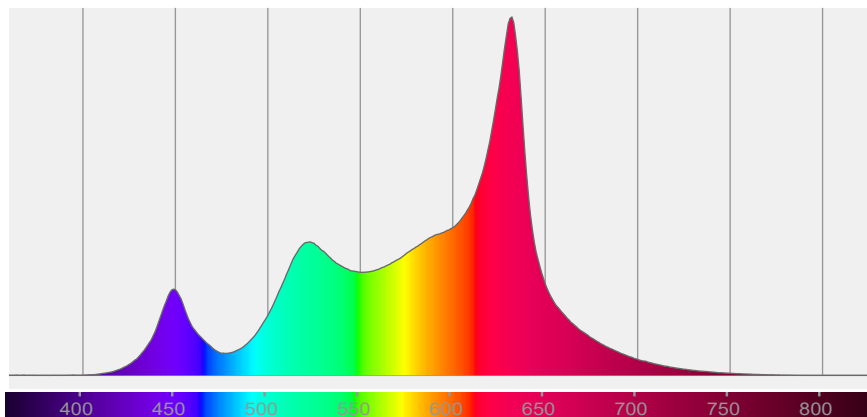


Beam angle 50%: 86,3°

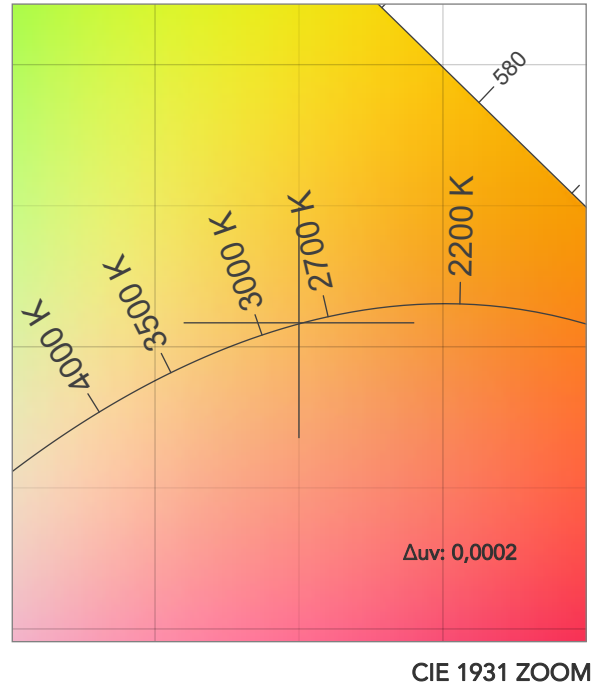
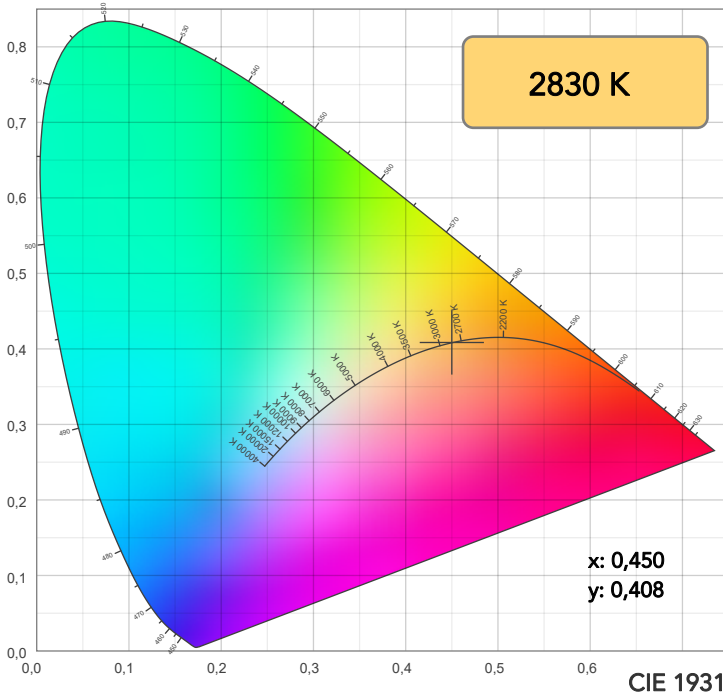
Field angle 10%: 123,9°

Cut off angle 2.5%: 159,3°

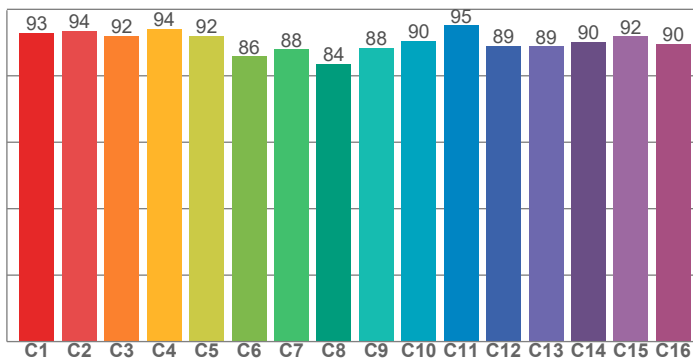
Spectra



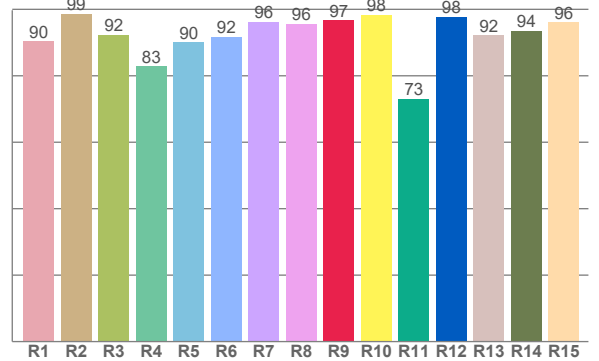




TM30: 91,0



CRI: 92,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
90,4	98,7	92,3	82,9	90,1	91,8	96,3	95,6	96,6	98,4	73,1	97,8	92,2	93,6	96,2

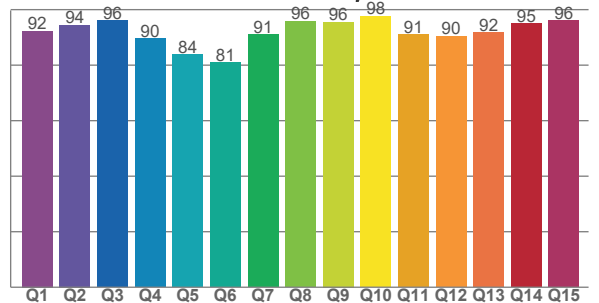
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,9	93,5	92,0	94,1	92,0	85,8	88,0	83,6	88,4	90,5	95,1	89,0	88,8	90,3	91,9	89,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,3	94,5	96,0	89,6	83,9	80,9	91,0	95,8	95,6	97,6	91,0	90,4	91,7	95,0	96,1

CQS: 90,6



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2830 K	92,3	96,6	91,0	106,5	90,6	76	0,450	0,408	0,0002

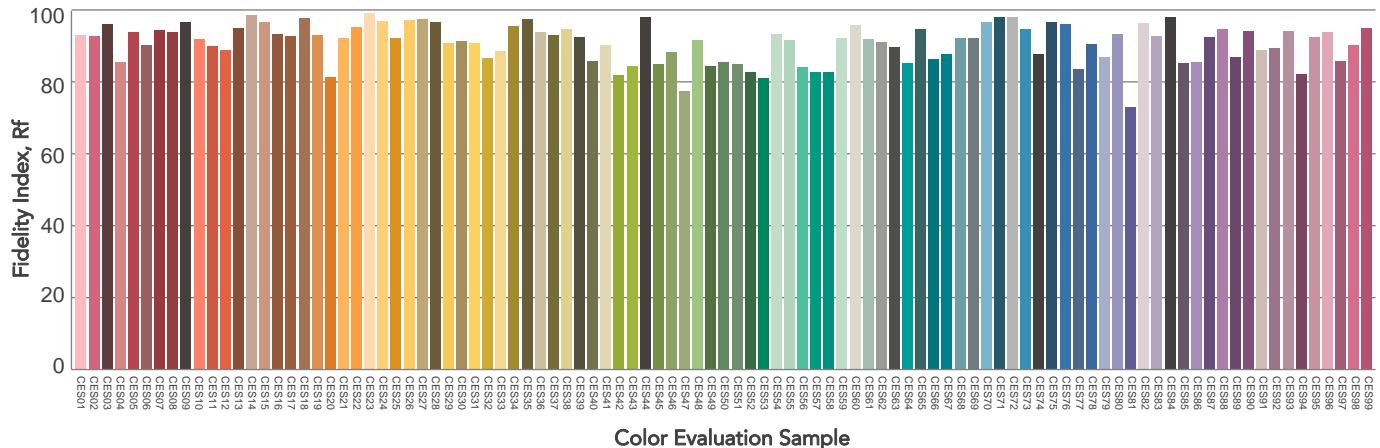
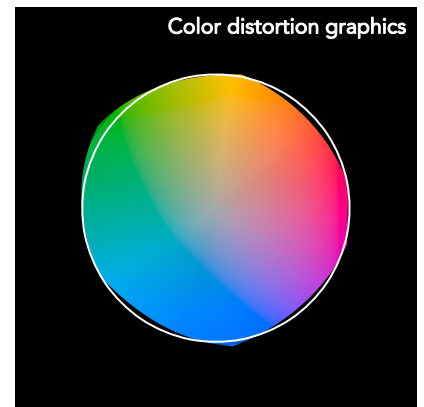
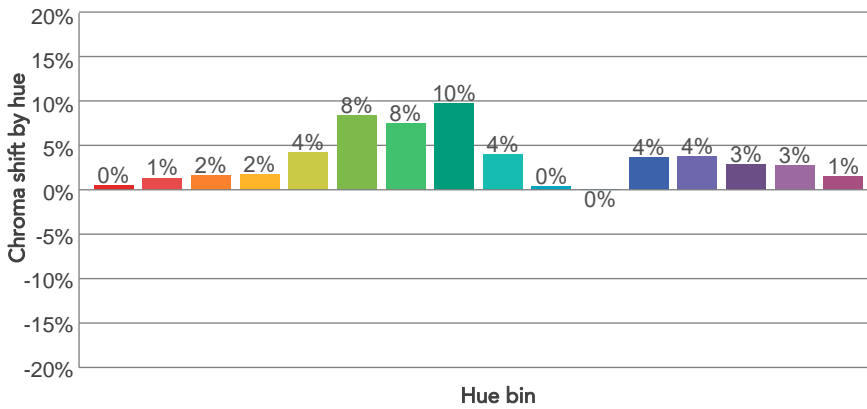
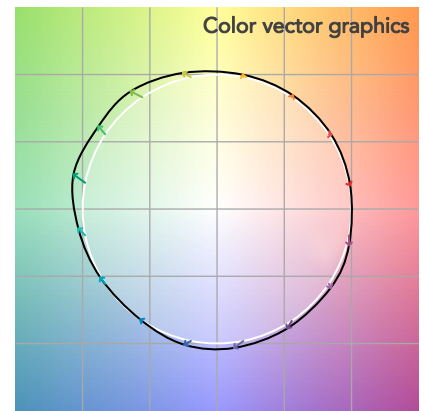
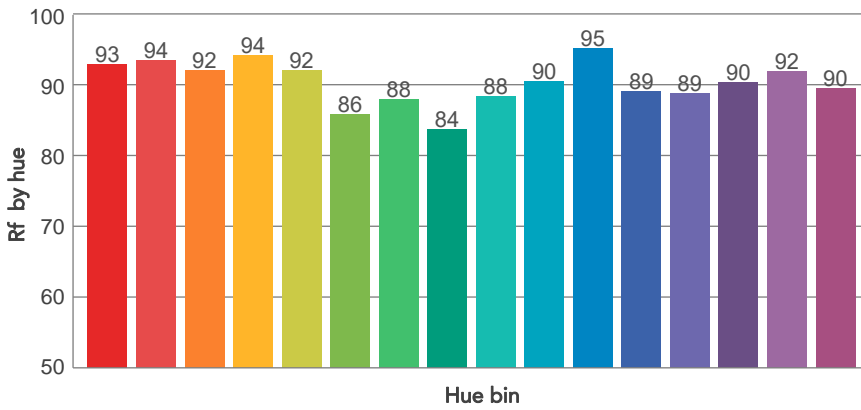
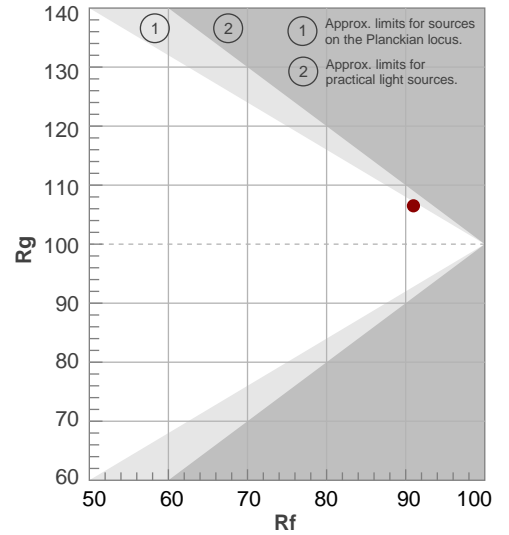
# TM30 DETAILS



**Rf 91,0**  
Fidelity index Rf

**Rg 106,5**  
Gammut index

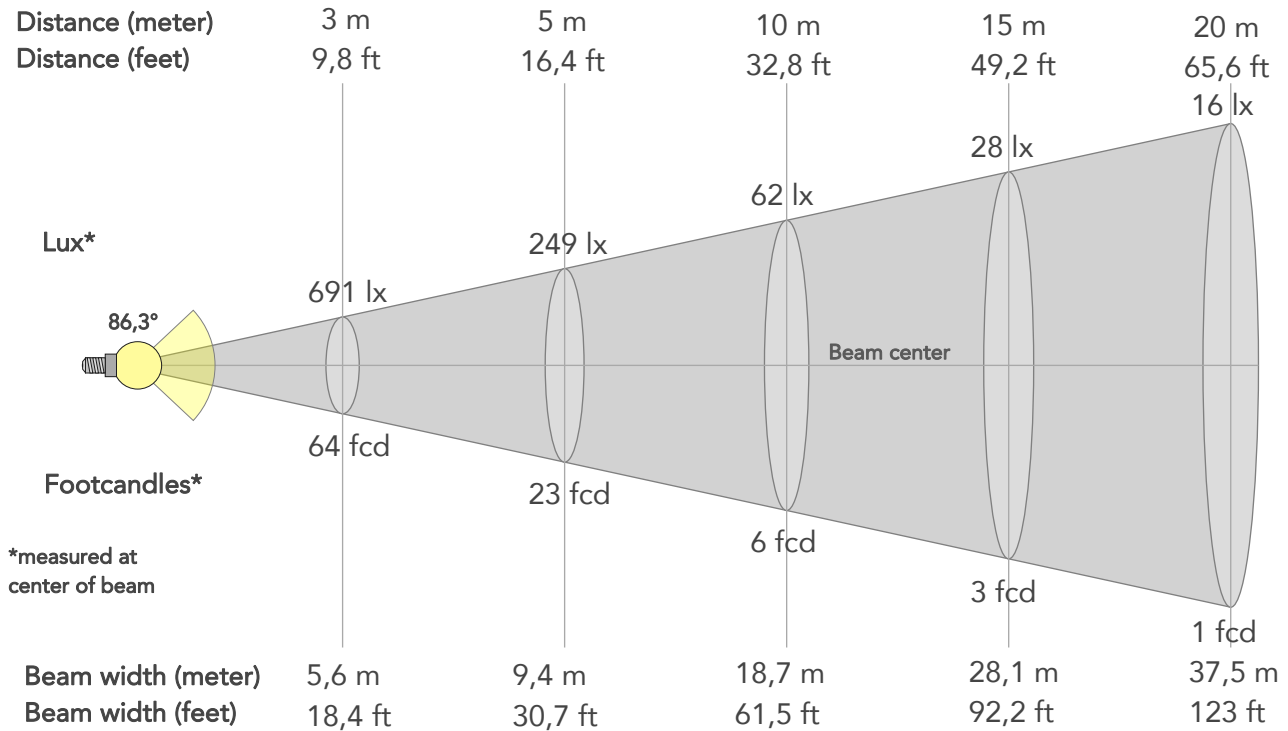
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	93	0%	-2%
2	94	1%	-1%
3	92	2%	0%
4	94	2%	1%
5	92	4%	5%
6	86	8%	5%
7	88	8%	-2%
8	84	10%	-4%
9	88	4%	-6%
10	90	0%	-2%
11	95	0%	-2%
12	89	4%	-4%
13	89	4%	-8%
14	90	3%	-6%
15	92	3%	-2%
16	90	1%	-7%



# BEAM DETAILS



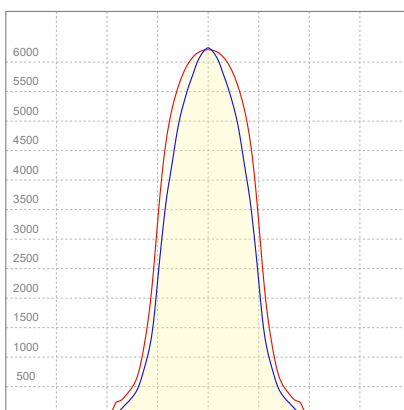
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
86,3°	123,9°	159,3°	92,7%	75,4%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6221lx	1555lx	691lx	389lx	249lx	111lx	62lx	28lx	16lx	10lx	7lx	4lx	2lx
Footcand.	578fcd	144fcd	64fcd	36fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,9m	3,7m	5,6m	7,5m	9,4m	14,1m	18,7m	28,1m	37,5m	46,9m	56,2m	75m	93,7m
Beam wid.	6,2ft	12,4ft	18,4ft	24,6ft	30,7ft	46,1ft	61,5ft	92,2ft	123ft	153,7ft	184,4ft	245,9ft	307,4ft

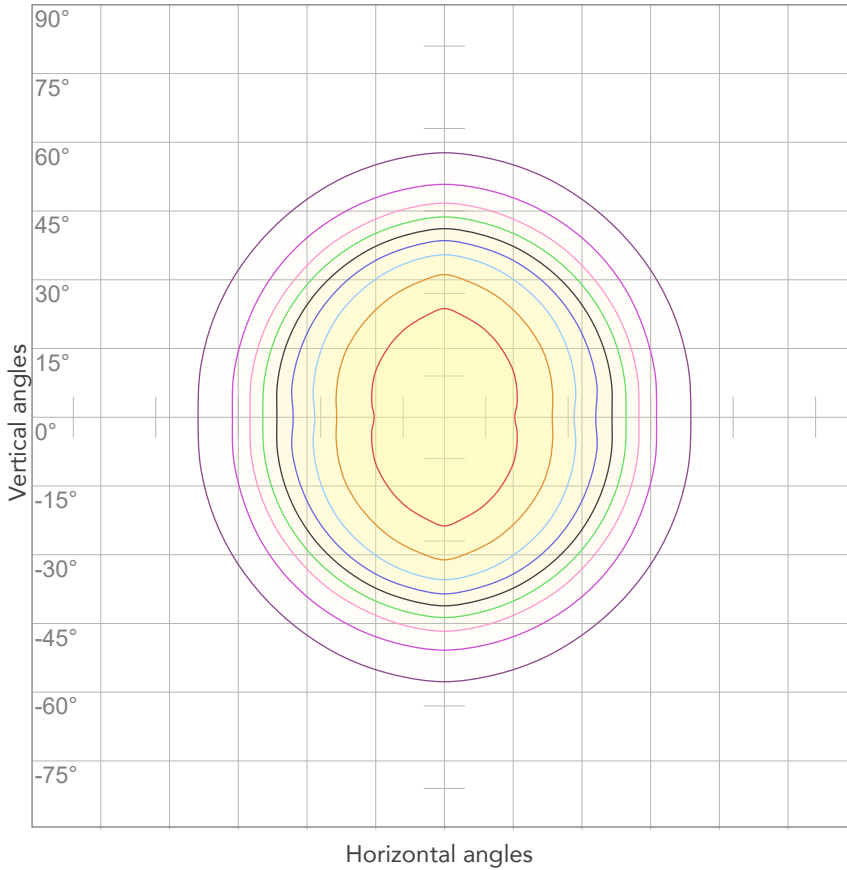
## LINEAR DISTRIBUTION DIAGRAM



## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	1,07A	231,2W	50lm/W

## ISO CANDELA DIAGRAM



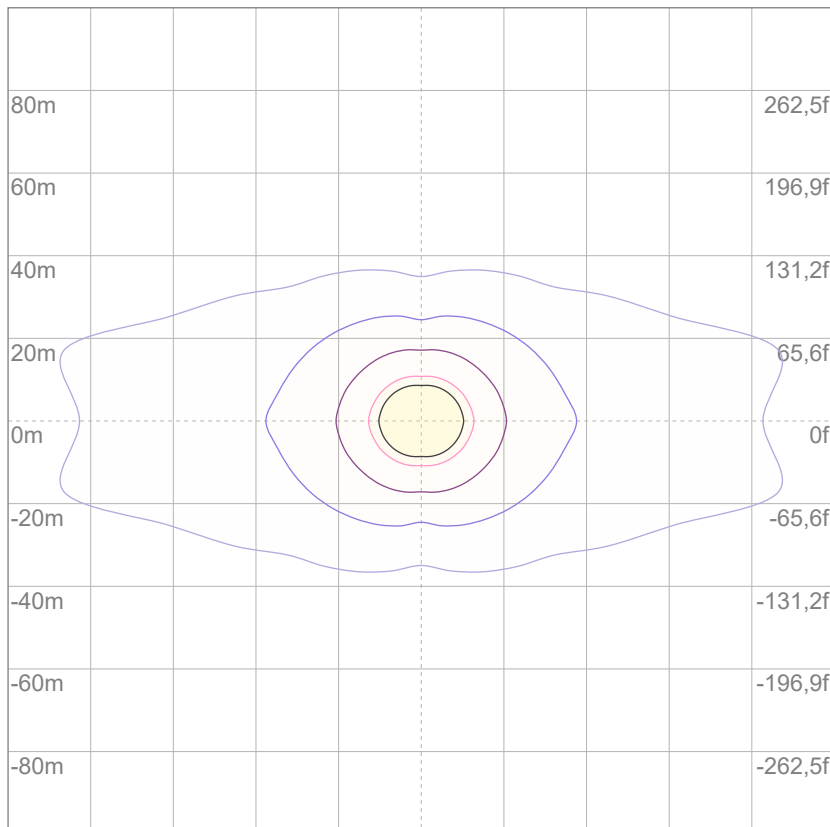
10%	622 cd
20%	1244 cd
30%	1866 cd
40%	2489 cd
50%	3111 cd
60%	3733 cd
70%	4355 cd
80%	4977 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 6221 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

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

**Conditions:**

Number of c-planes: 4

Lux at center: 62,2 lx

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

Total lumen output:

9775 lm

Peak candela output:

3345 cd

Light quality:

CRI: 91,3

Color temperature:

3213 K



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASURAMENT CONDITIONS:**

Beam angle:

Filter HD

Target:

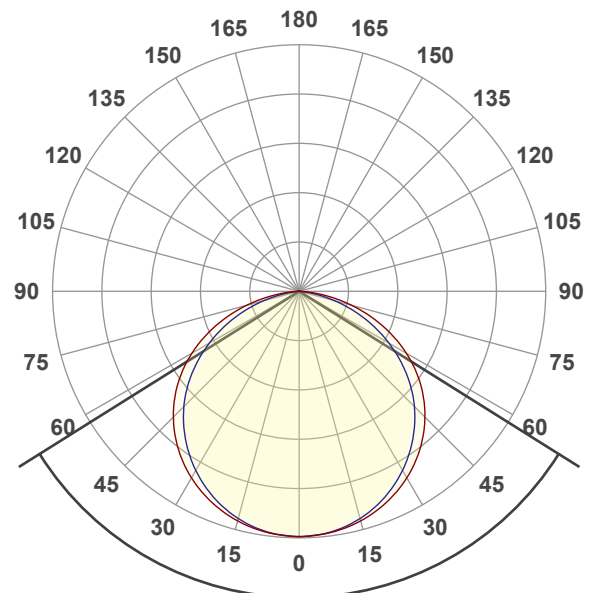
3200K

Operator:

Paolo Carvone

Date and time:

22/08/2022 17:48:27

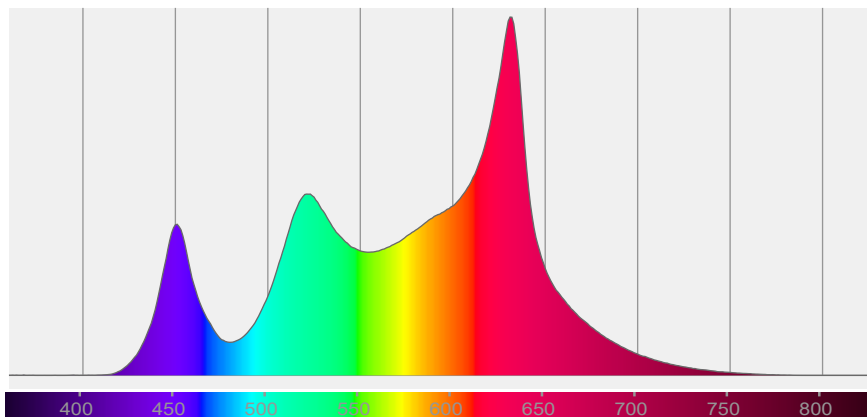


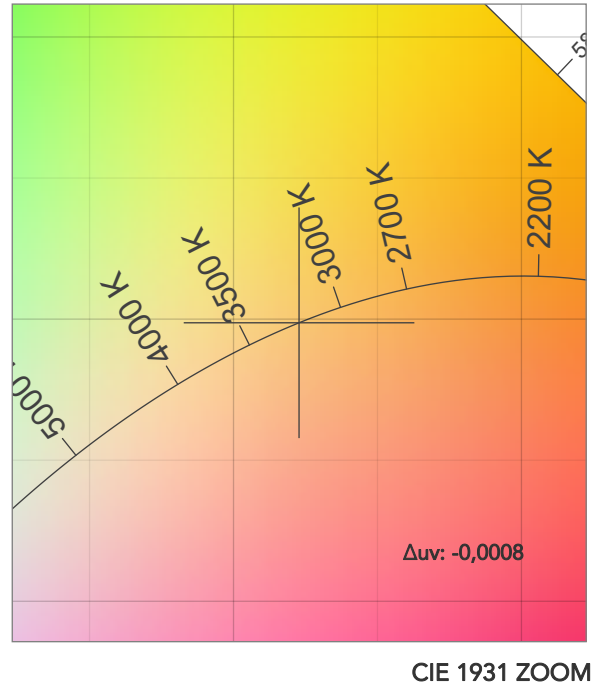
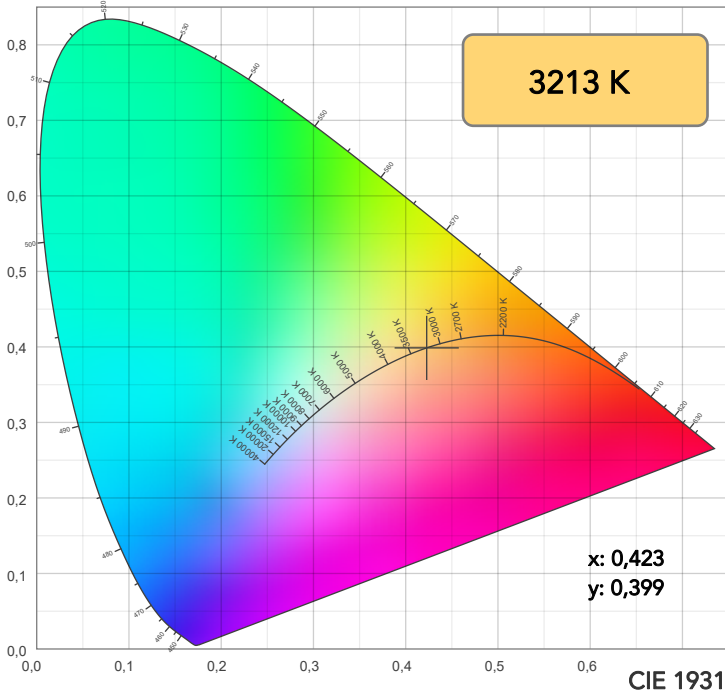
Beam angle 50%: 115,8°

Field angle 10%: 159,5°

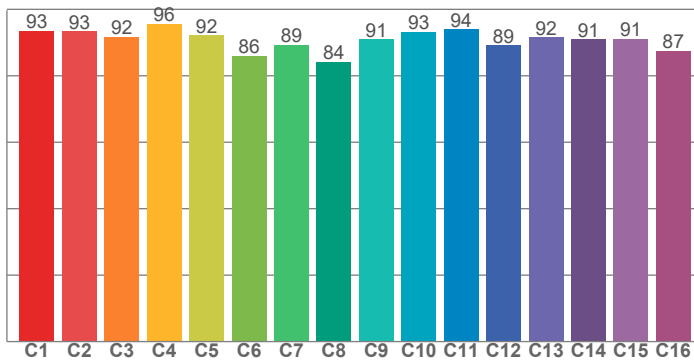
Cut off angle 2.5%: 169,8°

Spectra

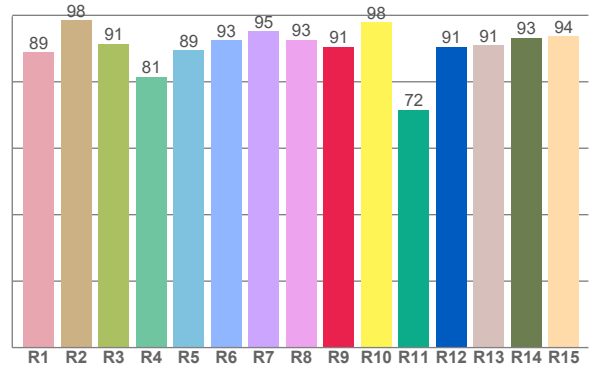




TM30: 91,5



CRI: 91,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
88,9	98,5	91,5	81,5	89,5	92,6	95,3	92,6	90,5	97,9	71,5	90,6	91,0	93,3	93,8

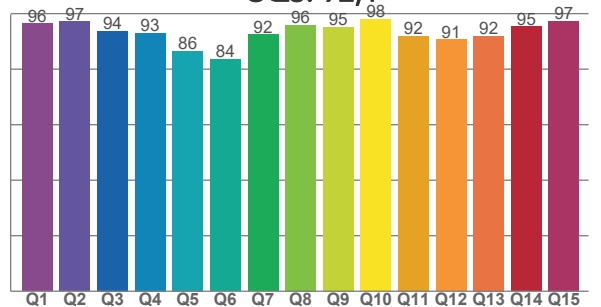
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,5	93,3	91,8	95,6	92,2	86,0	89,4	84,2	90,9	93,3	94,0	89,2	91,5	91,0	91,1	87,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,4	97,1	93,8	93,0	86,5	83,5	92,5	95,9	95,3	98,0	91,9	90,7	92,0	95,3	97,4

CQS: 92,1



COLOR PARAMETERS

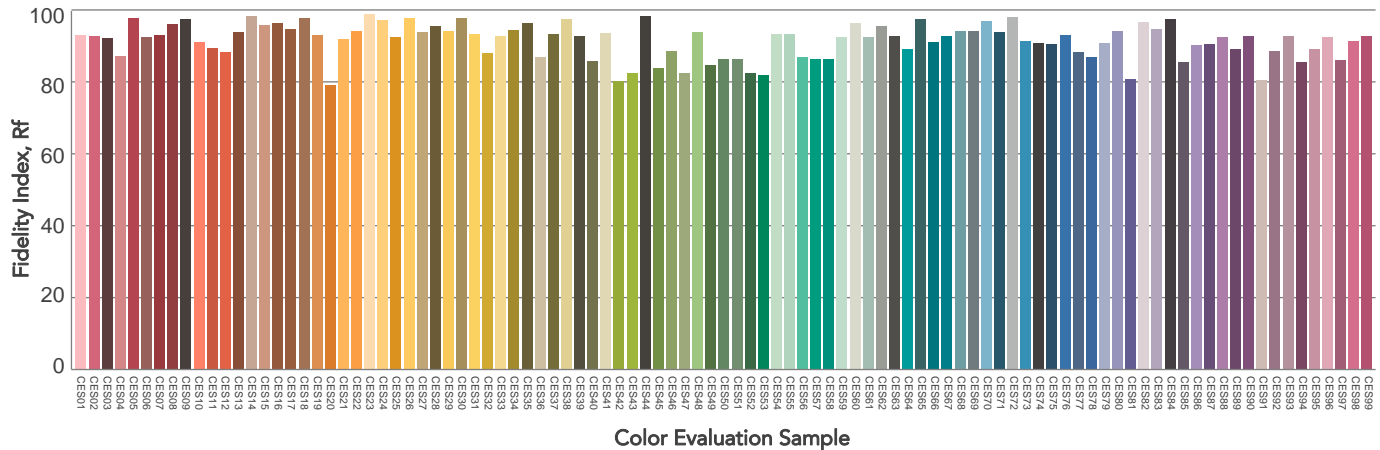
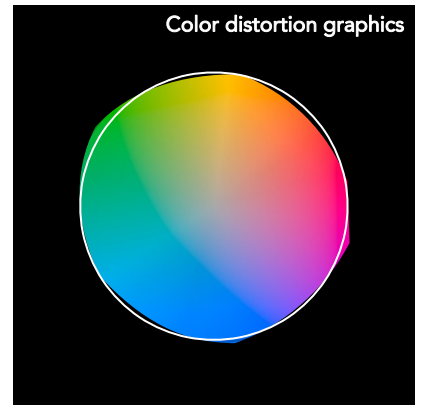
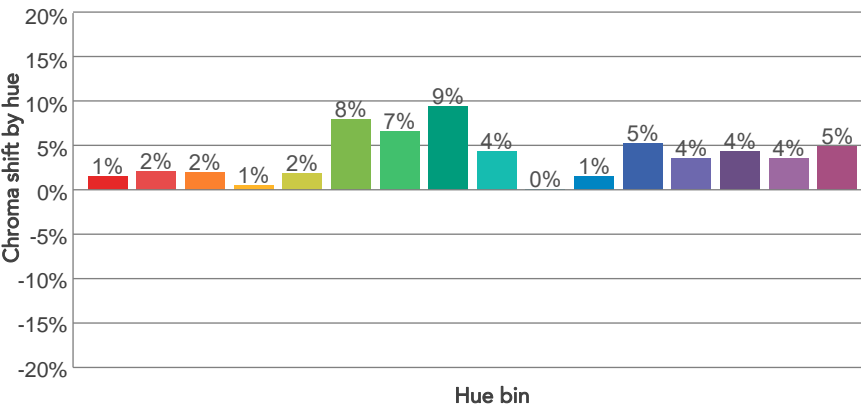
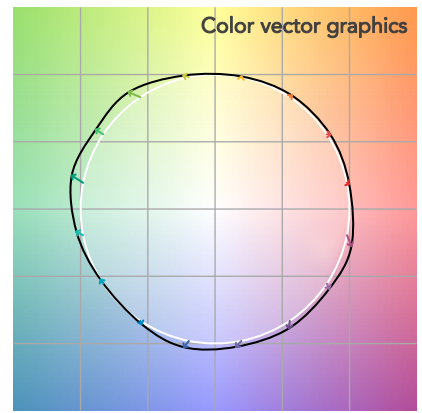
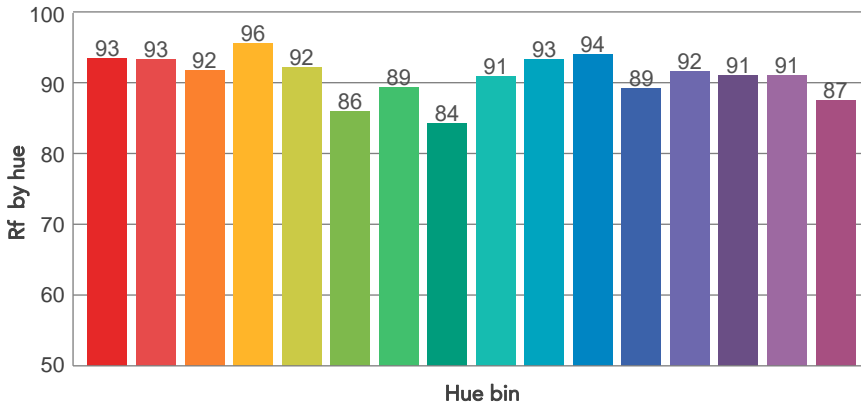
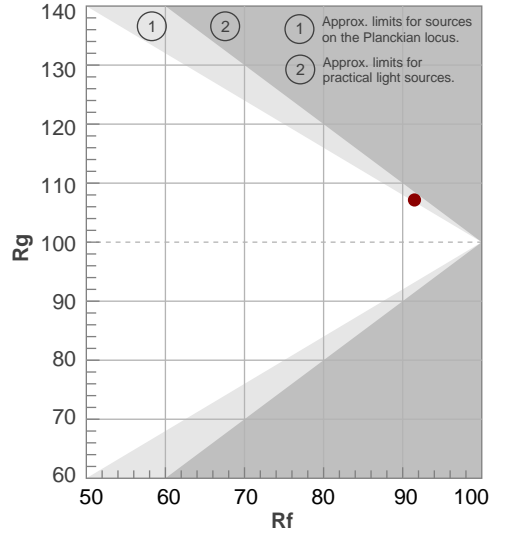
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3213 K	91,3	90,5	91,5	107,1	92,1	78	0,423	0,399	-0,0008

# TM30 DETAILS

**Rf 91,5**  
Fidelity index Rf

**Rg 107,1**  
Gammut index

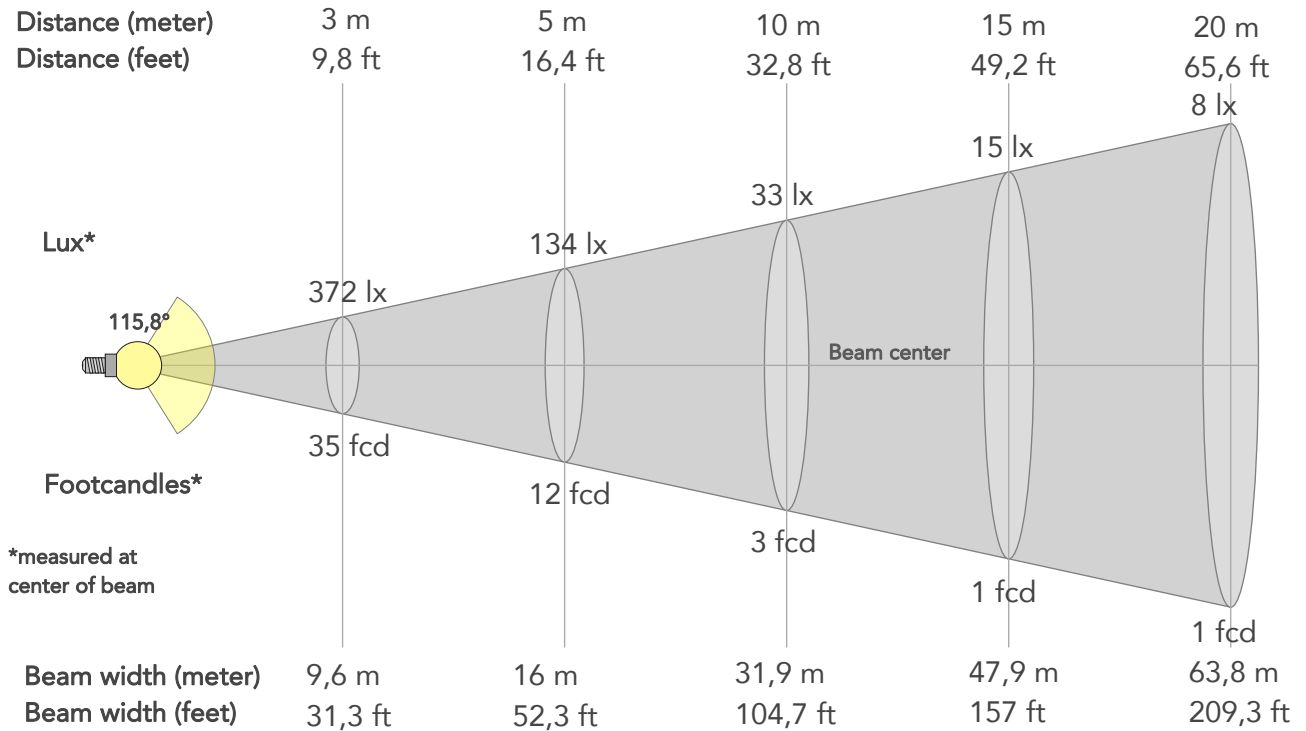
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	93	1%	-1%
2	93	2%	-2%
3	92	2%	0%
4	96	1%	0%
5	92	2%	4%
6	86	8%	5%
7	89	7%	0%
8	84	9%	-4%
9	91	4%	-4%
10	93	0%	-4%
11	94	1%	2%
12	89	5%	-3%
13	92	4%	-5%
14	91	4%	-4%
15	91	4%	-2%
16	87	5%	-7%



# BEAM DETAILS



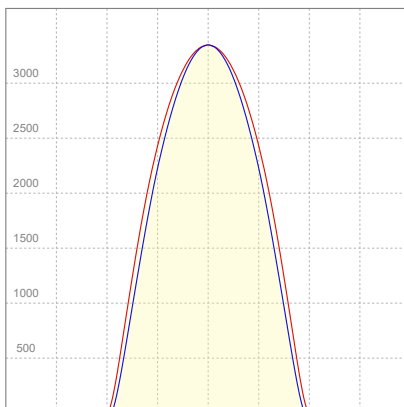
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
115,8°	159,5°	169,8°	79,3%	53,4%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3345lx	836lx	372lx	209lx	134lx	59lx	33lx	15lx	8lx	5lx	4lx	2lx	1lx
Footcand.	311fcd	78fcd	35fcd	19fcd	12fcd	6fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	3,2m	6,4m	9,6m	12,8m	16m	23,9m	31,9m	47,9m	63,8m	79,8m	95,7m	127,7m	159,6m
Beam wid.	10,5ft	21,1ft	31,3ft	41,8ft	52,3ft	78,5ft	104,7ft	157ft	209,3ft	261,7ft	314ft	418,7ft	523,4ft

## LINEAR DISTRIBUTION DIAGRAM

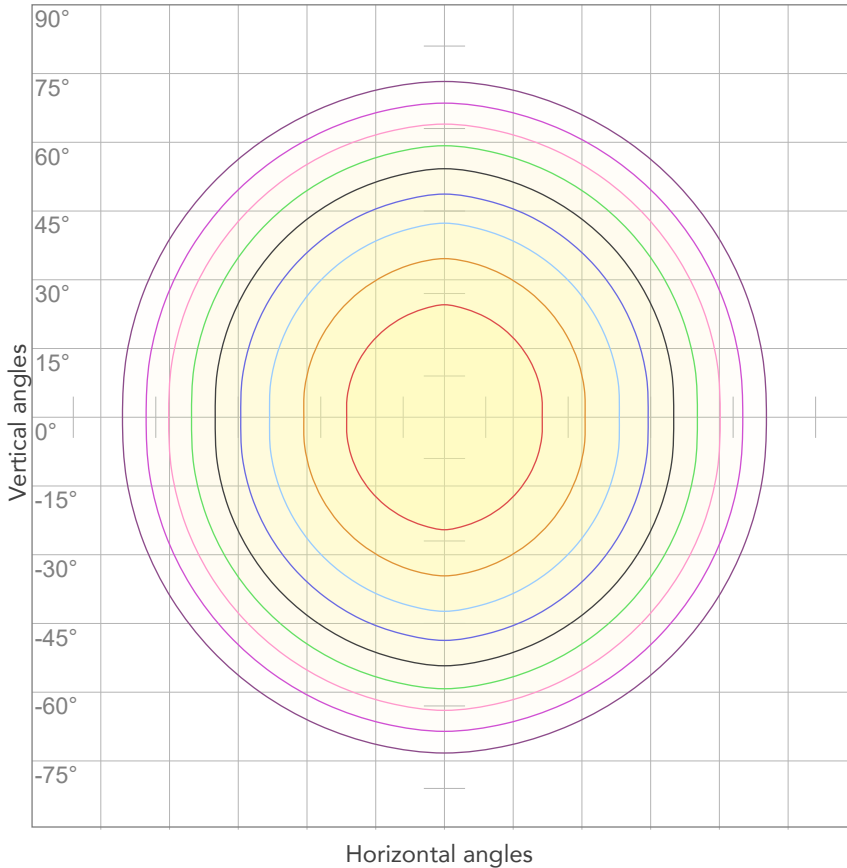


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
223V	1,08A	232W	42lm/W



## ISO CANDELA DIAGRAM



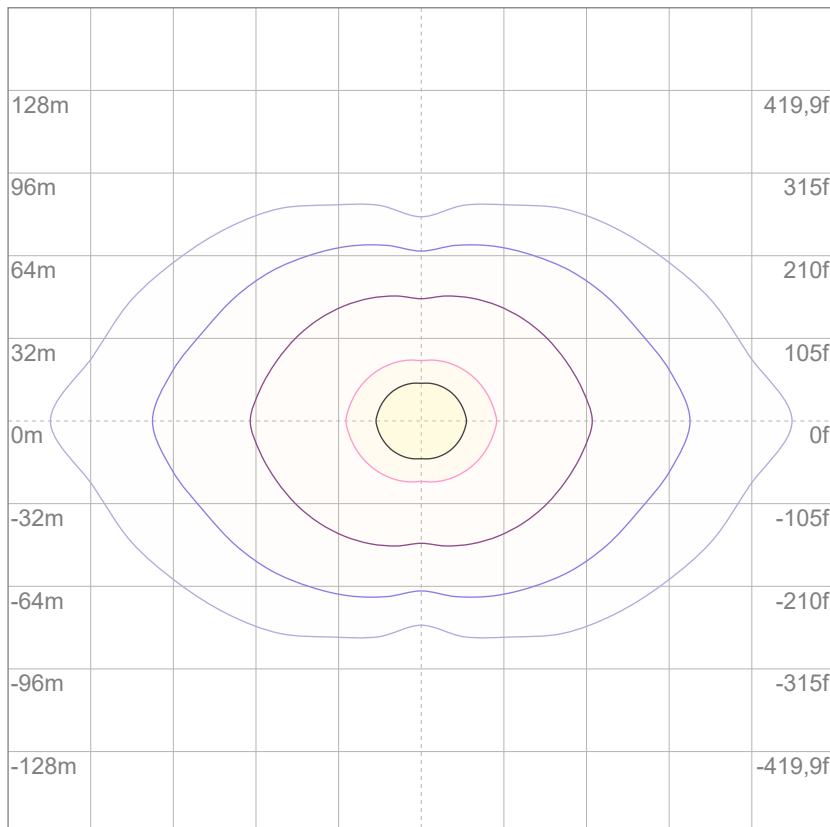
10%	334 cd
20%	669 cd
30%	1003 cd
40%	1338 cd
50%	1672 cd
60%	2007 cd
70%	2341 cd
80%	2676 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 3345 cd

## ISO LUX DIAGRAM



3%	1,00 lx
5%	1,67 lx
10%	3,34 lx
30%	10,0 lx
50%	16,7 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 33,4 lx

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

Mounting height: 10 meters (33 feet)

Total lumen output:

12047 lm

Peak candela output:

4744 cd

Light quality:

CRI: 92,5

Color temperature:

3209 K



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASURAMENT CONDITIONS:**

Beam angle:

Filter MD

Target:

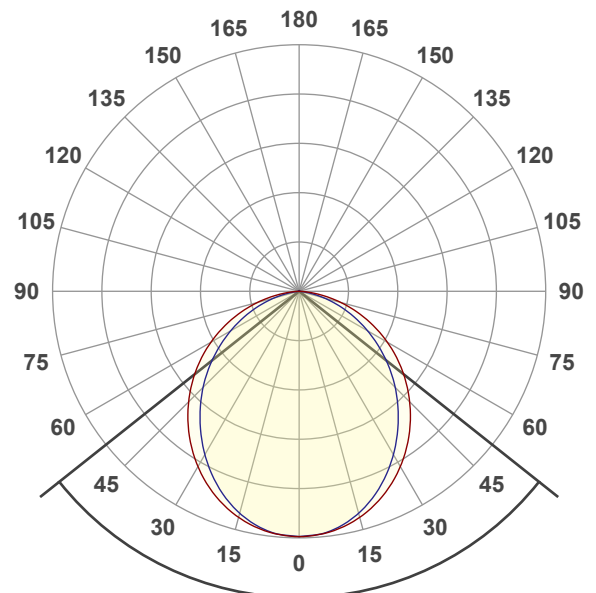
3200K

Operator:

Paolo Carvone

Date and time:

22/08/2022 16:30:09

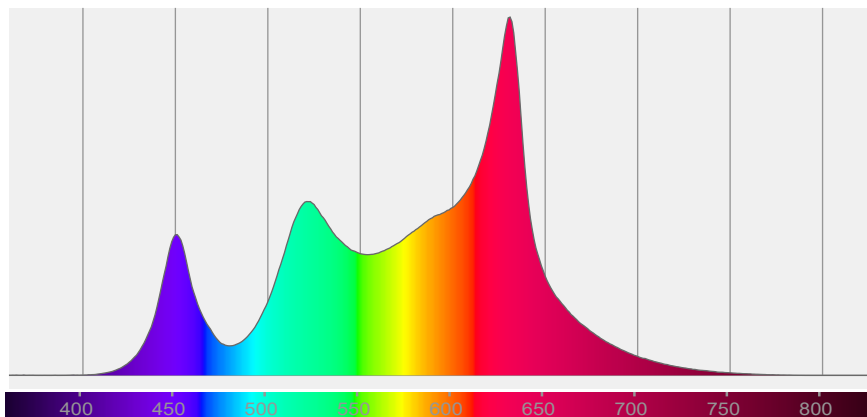


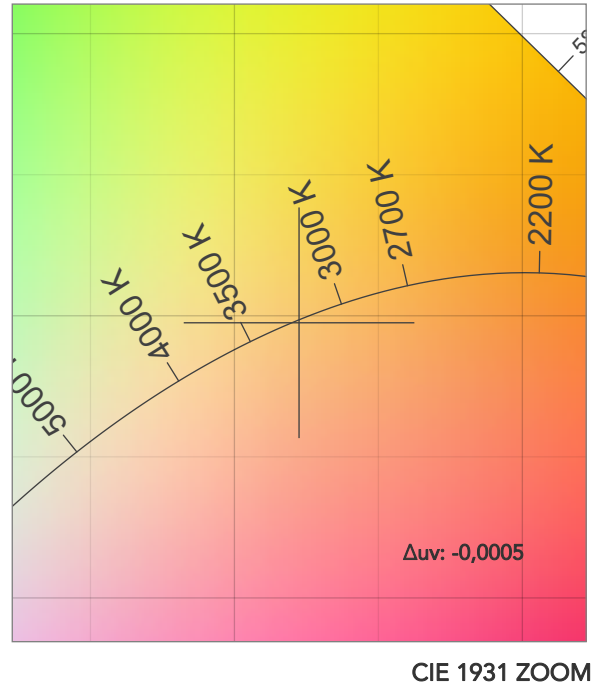
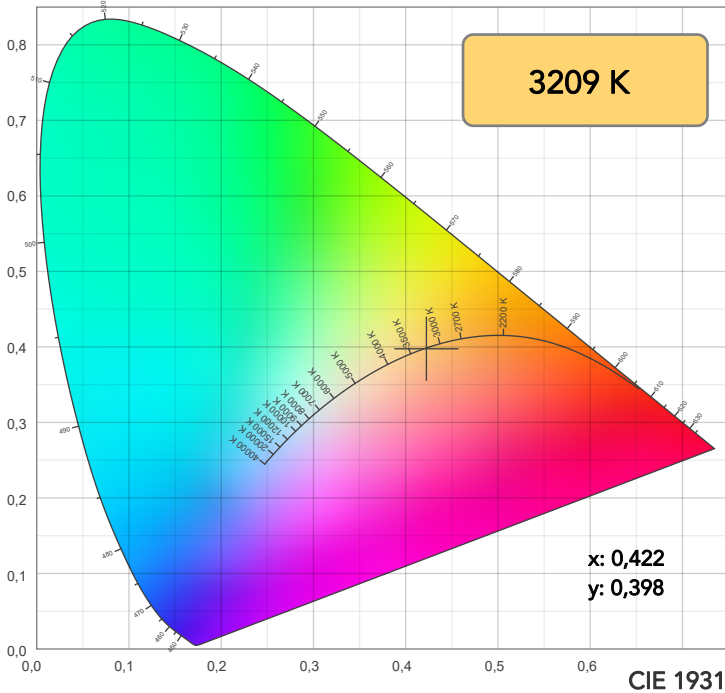
Beam angle 50%: 103,1°

Field angle 10%: 155,4°

Cut off angle 2.5%: 168°

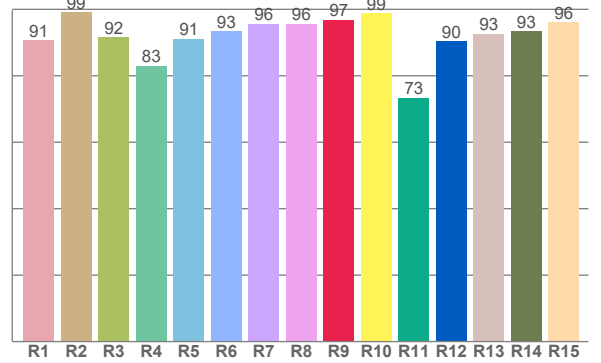
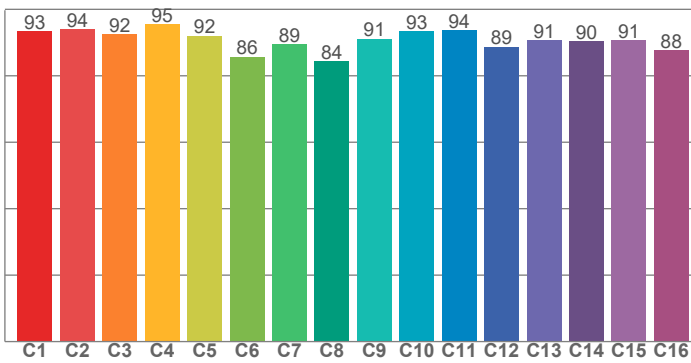
Spectra





TM30: 91,5

CRI: 92,5 (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
90,7	99,0	91,7	83,0	91,1	93,5	95,7	95,7	96,8	98,8	73,4	90,5	92,6	93,4	96,2

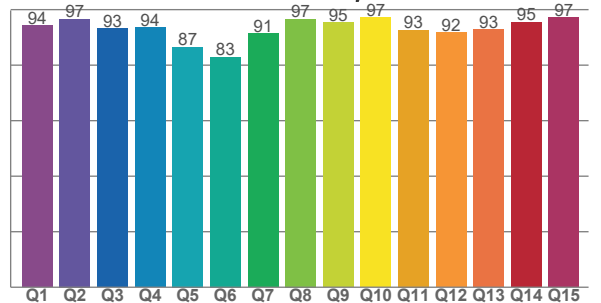
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,4	94,0	92,5	95,4	92,0	85,8	89,5	84,3	91,1	93,4	93,7	88,8	90,7	90,3	90,6	87,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,3	96,6	93,1	93,5	86,6	82,9	91,4	96,6	95,4	97,1	92,7	91,7	92,8	95,4	97,1

CQS: 92,0



COLOR PARAMETERS

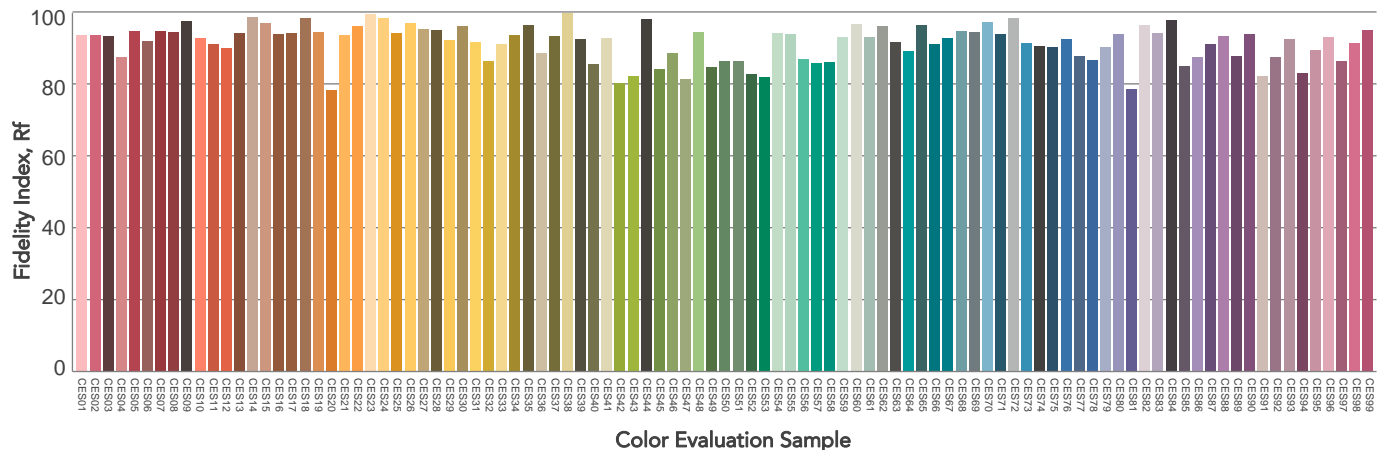
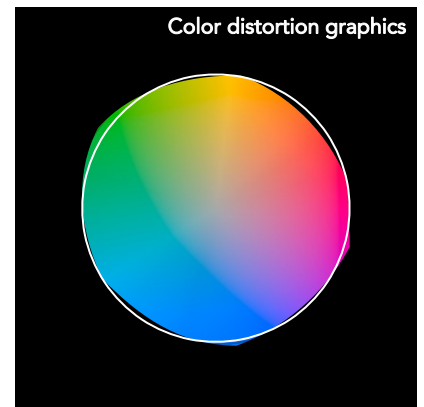
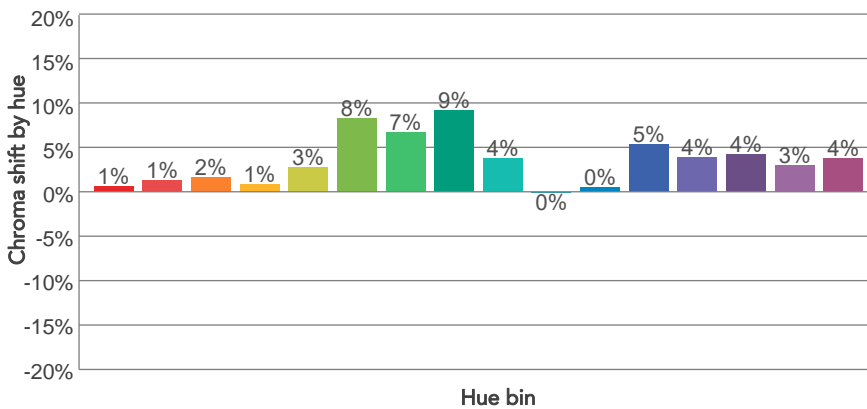
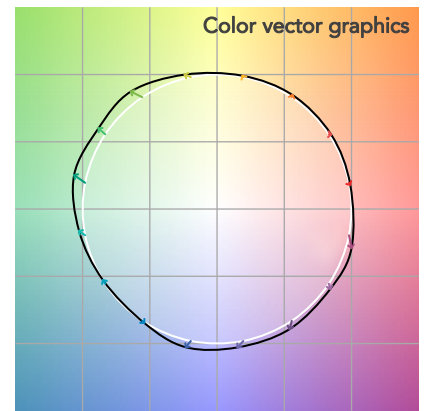
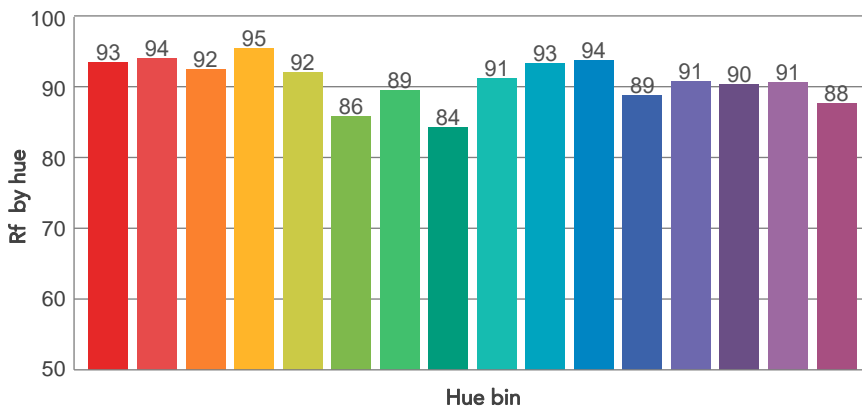
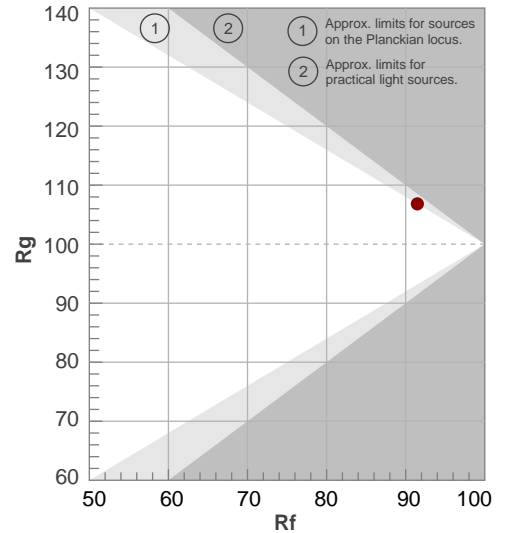
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3209 K	92,5	96,8	91,5	106,8	92,0	79	0,422	0,398	-0,0005

# TM30 DETAILS

**Rf 91,5**  
Fidelity index Rf

**Rg 106,8**  
Gammut index

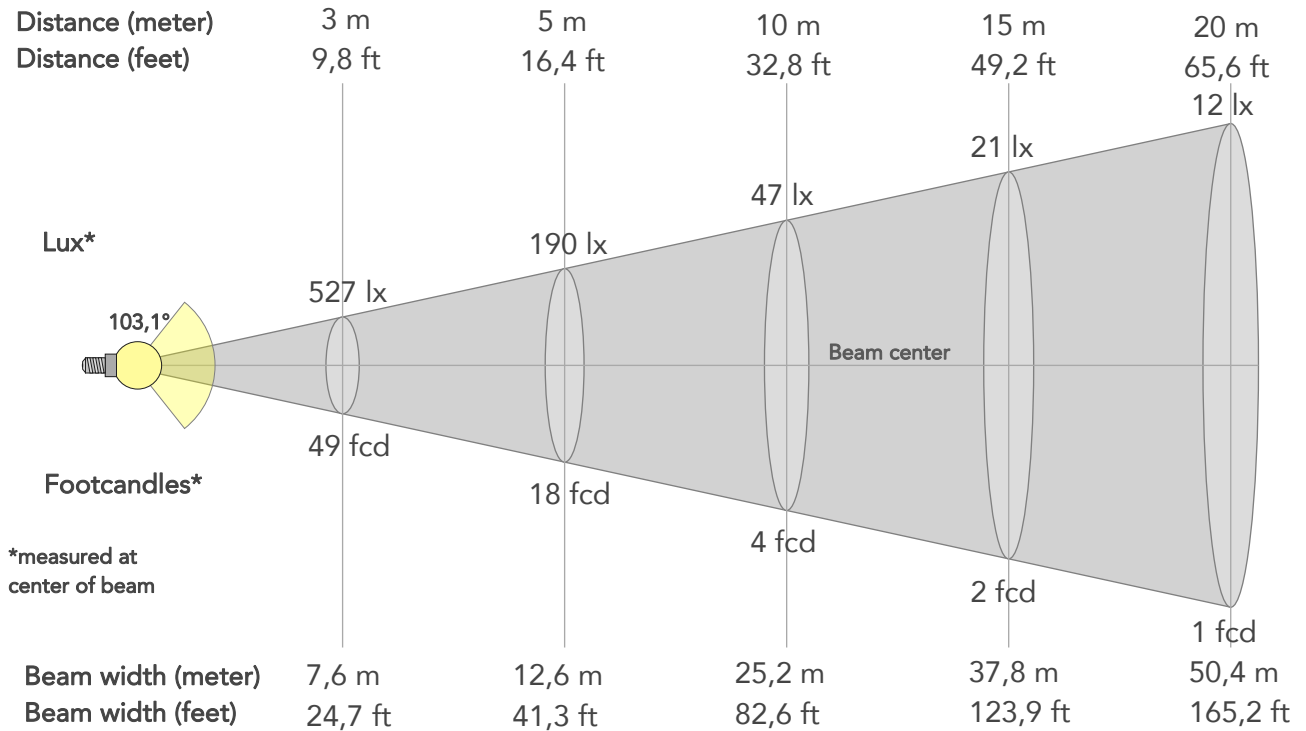
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	93	1%	-2%
2	94	1%	-1%
3	92	2%	0%
4	95	1%	1%
5	92	3%	4%
6	86	8%	5%
7	89	7%	-1%
8	84	9%	-4%
9	91	4%	-4%
10	93	0%	-3%
11	94	0%	2%
12	89	5%	-3%
13	91	4%	-5%
14	90	4%	-5%
15	91	3%	-3%
16	88	4%	-9%



# BEAM DETAILS



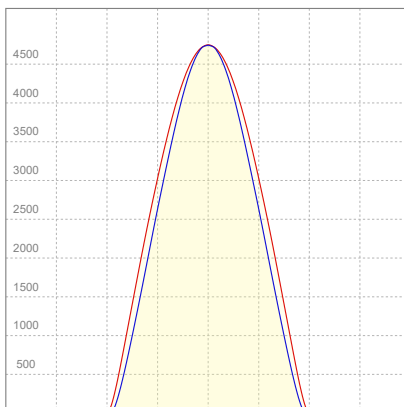
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
103,1°	155,4°	168°	81,6%	57,0%



## 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	4743lx	1186lx	527lx	296lx	190lx	84lx	47lx	21lx	12lx	8lx	5lx	3lx	2lx
Footcand.	441fcd	110fcd	49fcd	28fcd	18fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	2,5m	5m	7,6m	10,1m	12,6m	18,9m	25,2m	37,8m	50,4m	63m	75,5m	100,7m	125,9m
Beam wid.	8,3ft	16,6ft	24,7ft	33ft	41,3ft	62ft	82,6ft	123,9ft	165,2ft	206,5ft	247,8ft	330,4ft	413ft

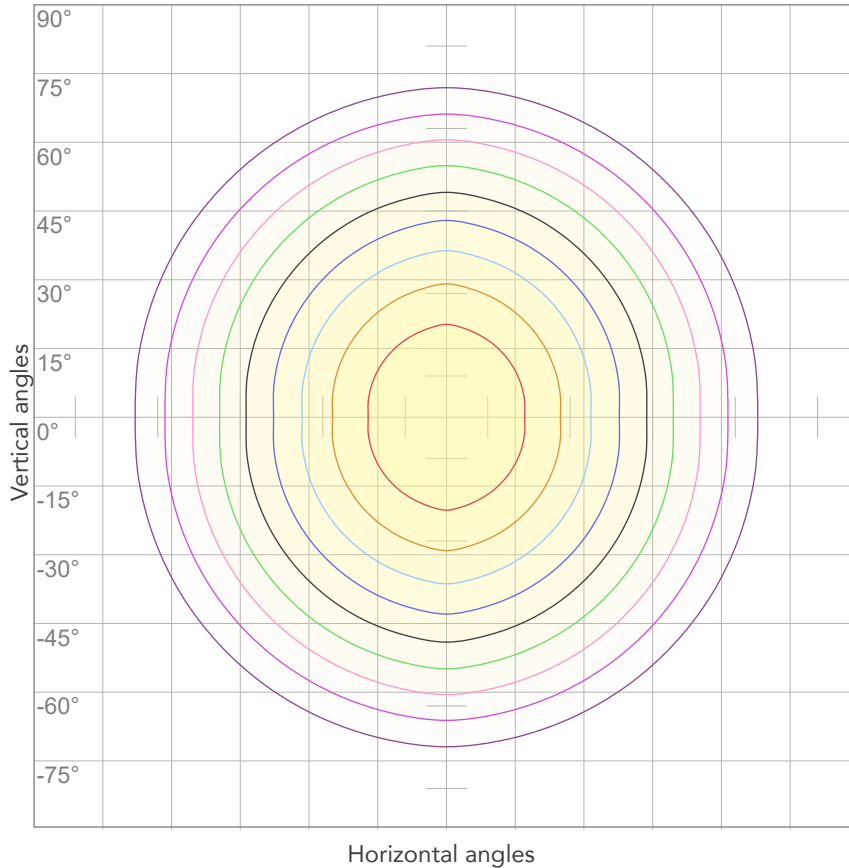
## LINEAR DISTRIBUTION DIAGRAM



## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	1,08A	233,3W	52lm/W

## ISO CANDELA DIAGRAM



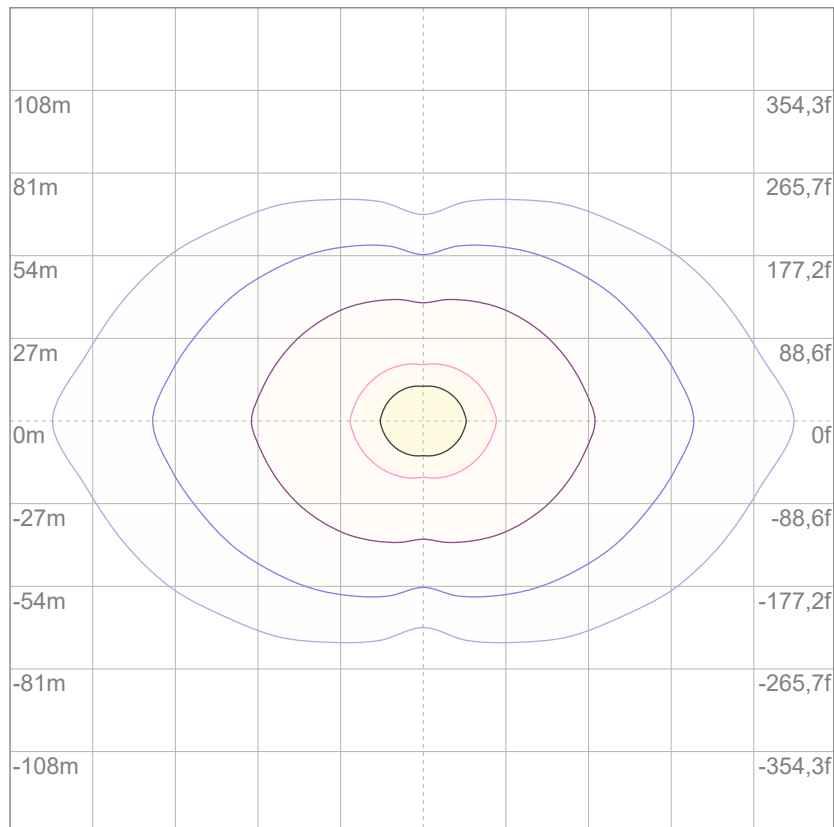
10%	474 cd
20%	949 cd
30%	1423 cd
40%	1897 cd
50%	2371 cd
60%	2846 cd
70%	3320 cd
80%	3794 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 4743 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,42 lx
5%	2,37 lx
10%	4,74 lx
30%	14,2 lx
50%	23,7 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 47,4 lx

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

Total lumen output:

12948 lm

Peak candela output:

5514 cd

Light quality:

CRI: 92,3

Color temperature:

3211 K



PRODUCT NAME:  
ECLSOFTLINEARIP

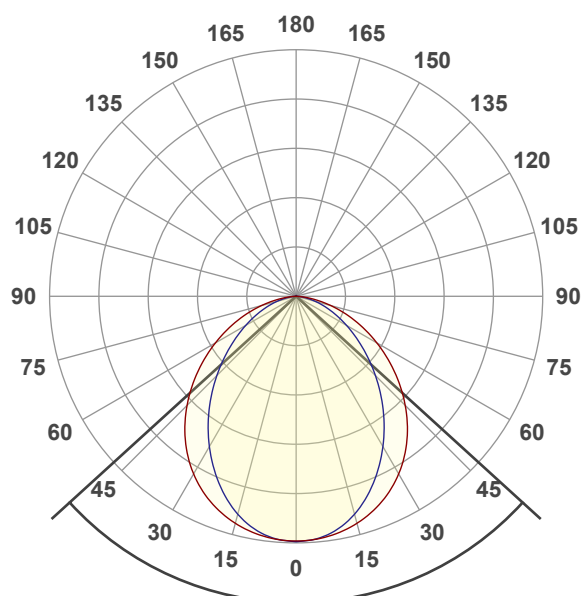
MEASURAMENT CONDITIONS:

Beam angle:  
Filter LD

Target:  
3200K

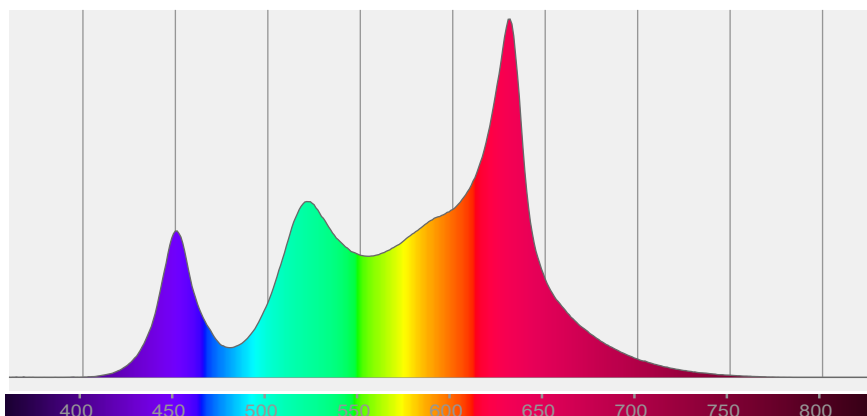
Operator:  
Paolo Carvone

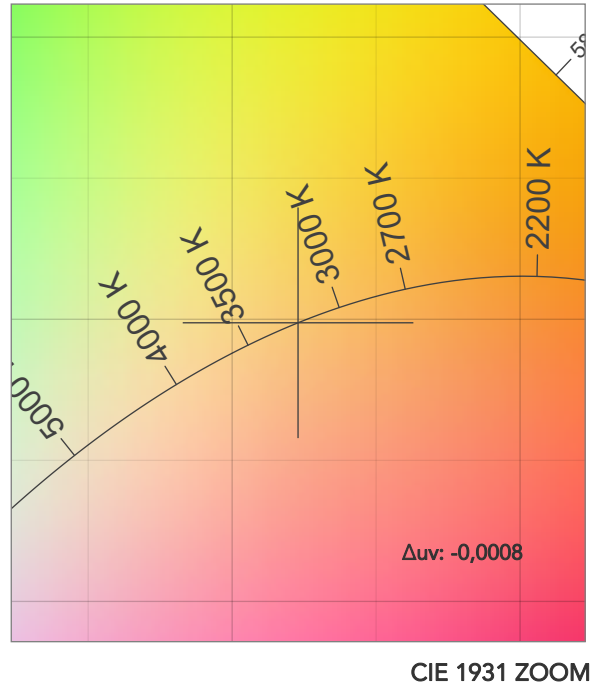
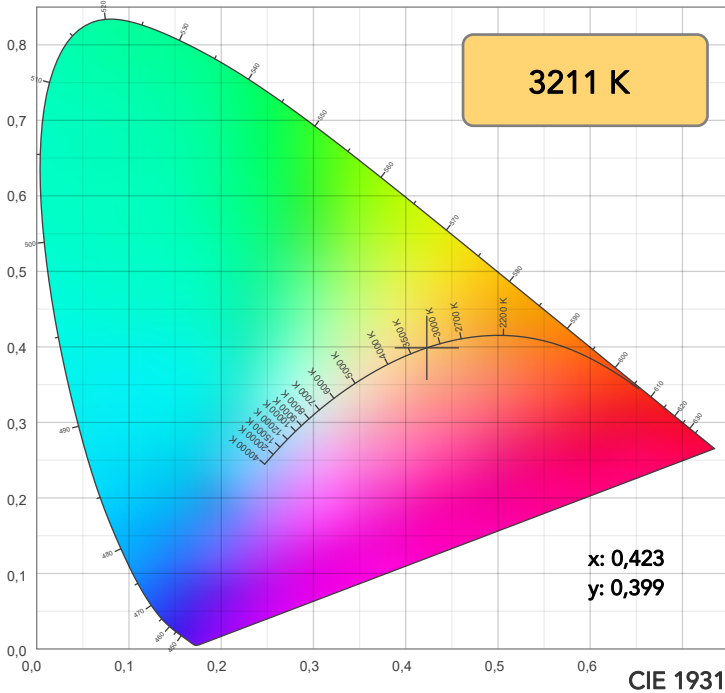
Date and time:  
23/08/2022 11:11:34



Beam angle 50%: 95,4°  
Field angle 10%: 151,4°  
Cut off angle 2.5%: 168,2°

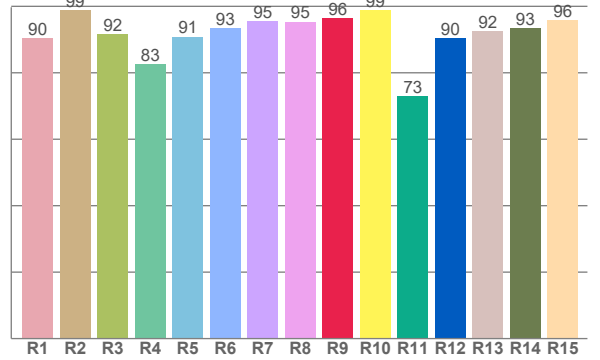
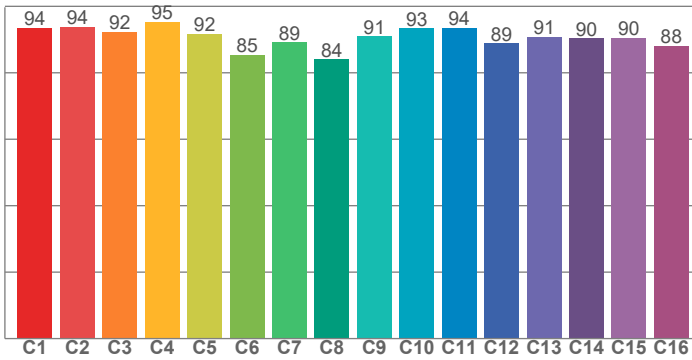
Spectra





TM30: 91,3

CRI: 92,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
90,4	98,9	91,6	82,6	90,9	93,3	95,5	95,3	96,4	98,7	72,9	90,5	92,4	93,3	95,8

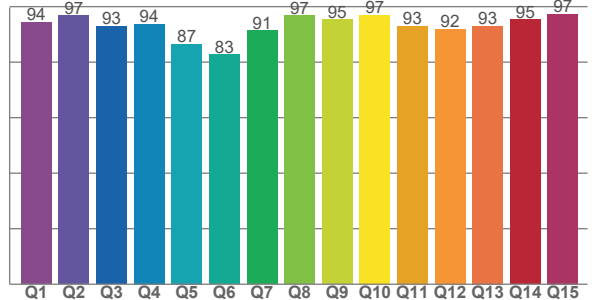
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,5	93,9	92,4	95,2	91,8	85,4	89,1	84,0	91,0	93,3	93,5	88,8	90,8	90,3	90,5	88,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,4	96,8	92,9	93,7	86,5	82,7	91,3	96,7	95,3	97,0	93,0	91,9	93,0	95,4	97,3

CQS: 92,0



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
3211 K	92,3	96,4	91,3	107,0	92,0	77	0,423	0,399	-0,0008



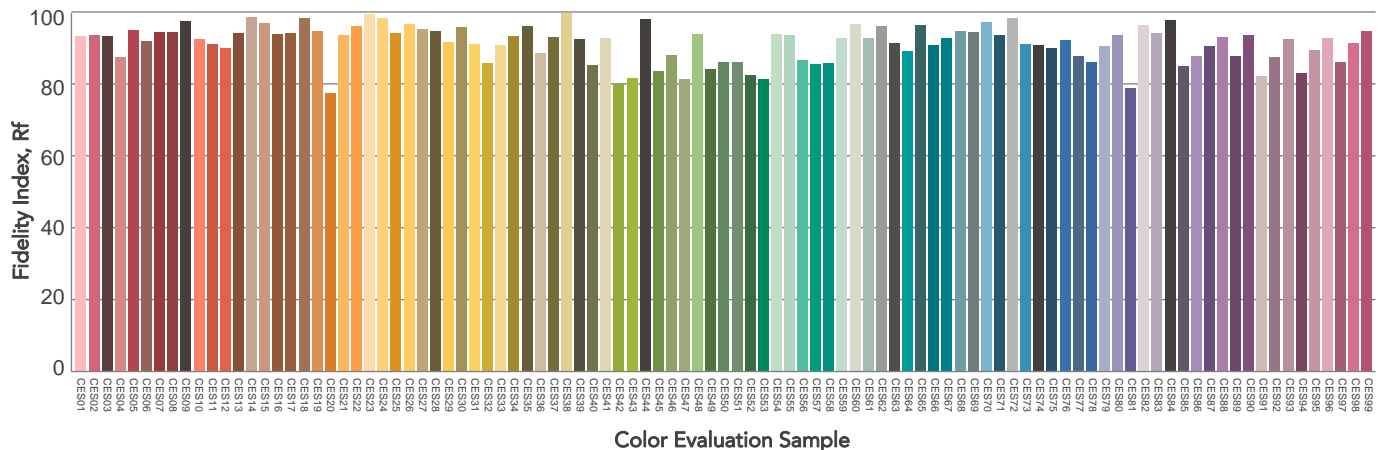
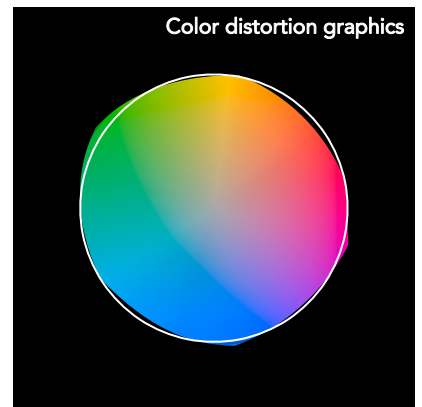
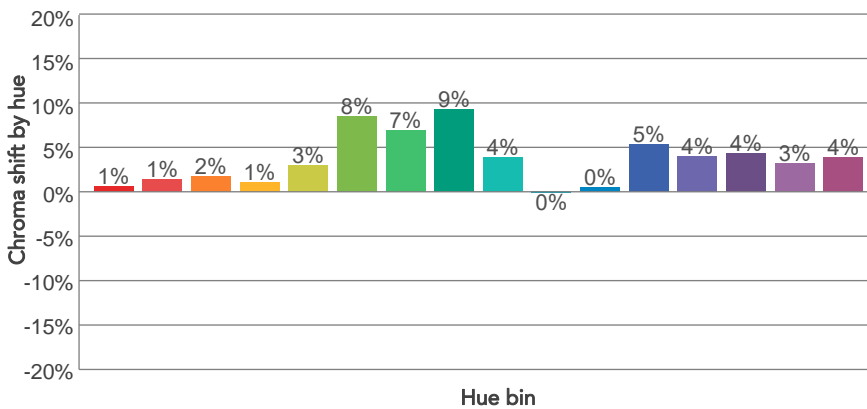
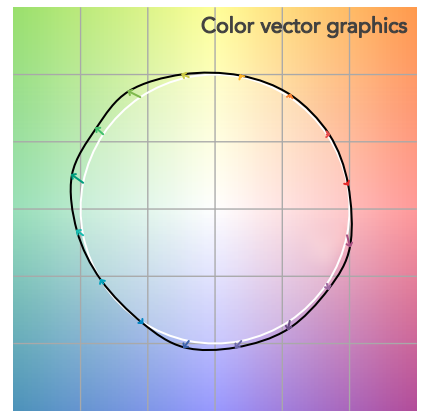
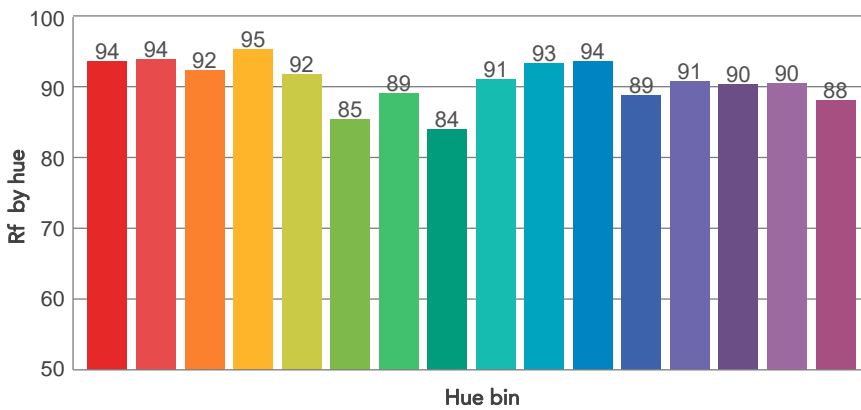
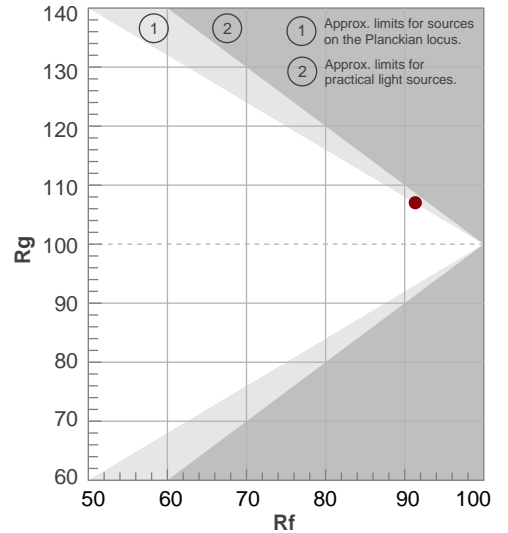
# TM30 DETAILS



**Rf 91,3**  
Fidelity index Rf

**Rg 107,0**  
Gammut index

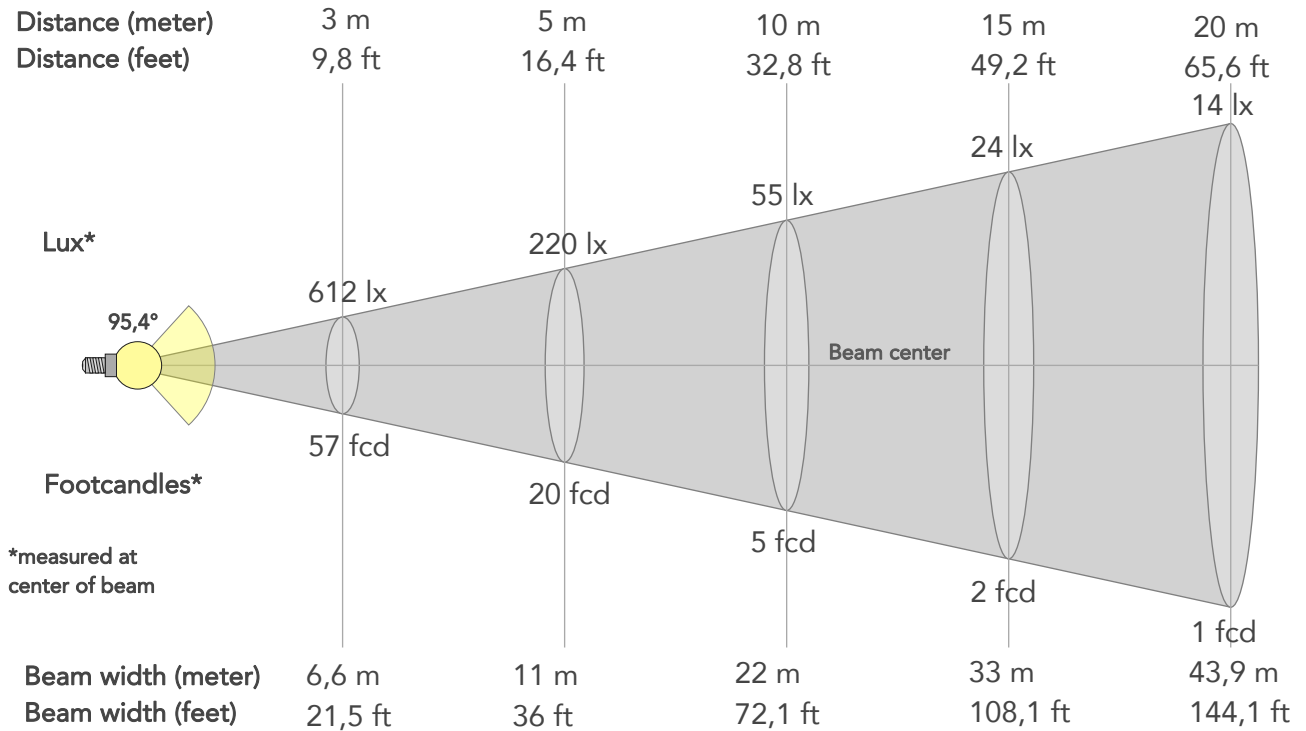
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	1%	-1%
2	94	1%	-1%
3	92	2%	1%
4	95	1%	1%
5	92	3%	4%
6	85	8%	5%
7	89	7%	-1%
8	84	9%	-4%
9	91	4%	-4%
10	93	0%	-3%
11	94	0%	2%
12	89	5%	-3%
13	91	4%	-5%
14	90	4%	-4%
15	90	3%	-3%
16	88	4%	-7%



# BEAM DETAILS



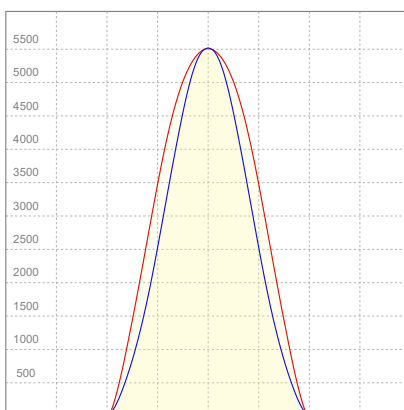
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
95,4°	151,4°	168,2°	82,8%	59,5%



## 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	5509lx	1377lx	612lx	344lx	220lx	98lx	55lx	24lx	14lx	9lx	6lx	3lx	2lx
Footcand.	512fcd	128fcd	57fcd	32fcd	20fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	2,2m	4,4m	6,6m	8,8m	11m	16,5m	22m	33m	43,9m	54,9m	65,9m	87,9m	109,8m
Beam wid.	7,2ft	14,5ft	21,5ft	28,8ft	36ft	54ft	72,1ft	108,1ft	144,1ft	180,1ft	216,2ft	288,2ft	360,3ft

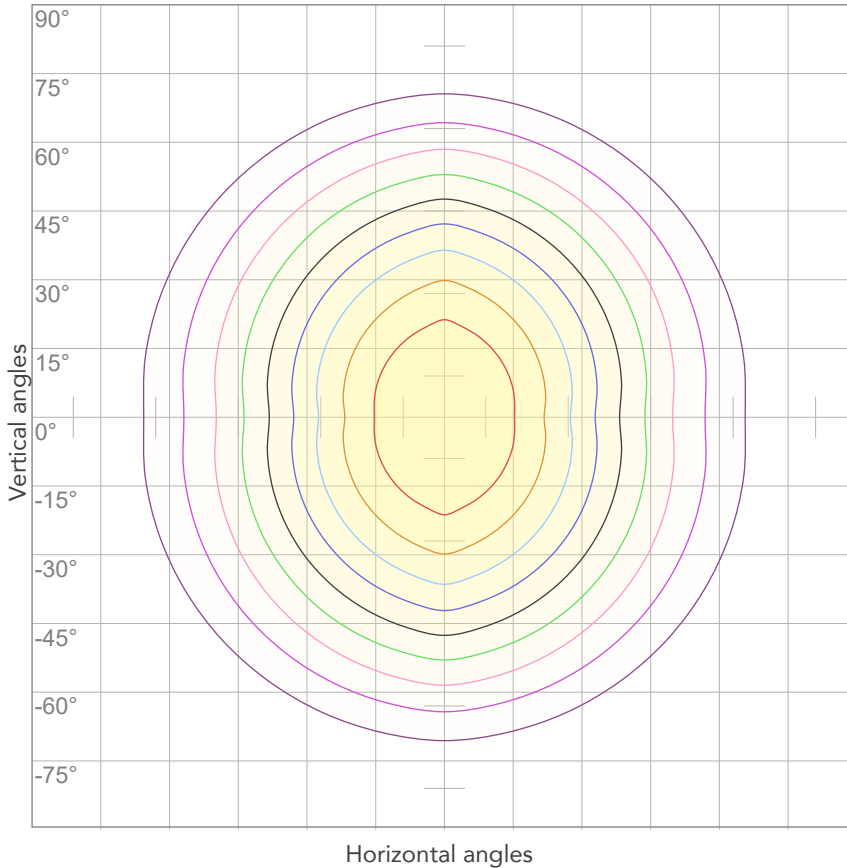
## LINEAR DISTRIBUTION DIAGRAM



## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,08A	233,5W	55lm/W

## ISO CANDELA DIAGRAM



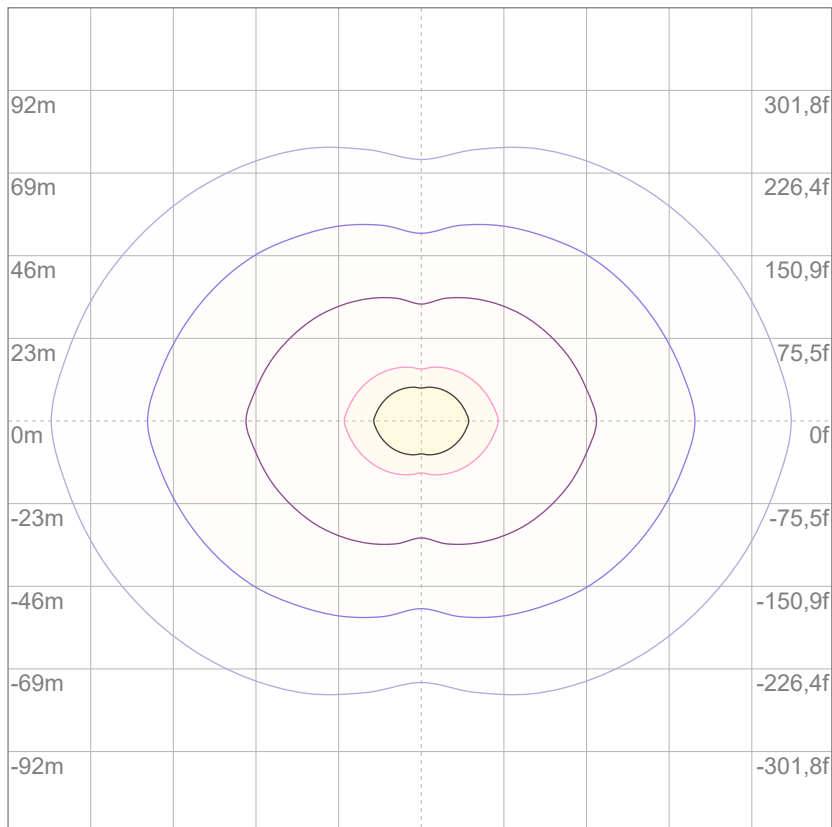
10%	551 cd
20%	1102 cd
30%	1653 cd
40%	2203 cd
50%	2754 cd
60%	3305 cd
70%	3856 cd
80%	4407 cd

Conditions:

Number of c-planes: 4

Candela at center: 5509 cd

## ISO LUX DIAGRAM



3%	1,65 lx
5%	2,75 lx
10%	5,51 lx
30%	16,5 lx
50%	27,5 lx

Conditions:

Number of c-planes: 4

Lux at center: 55,1 lx

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

Total lumen output:

11676 lm

Peak candela output:

6318 cd

Light quality:

CRI: 92,8

Color temperature:

3223 K



PRODUCT NAME:

ECLSOFTLINEARIP

MEASUREMENT CONDITIONS:

Beam angle:

Filter INT

Target:

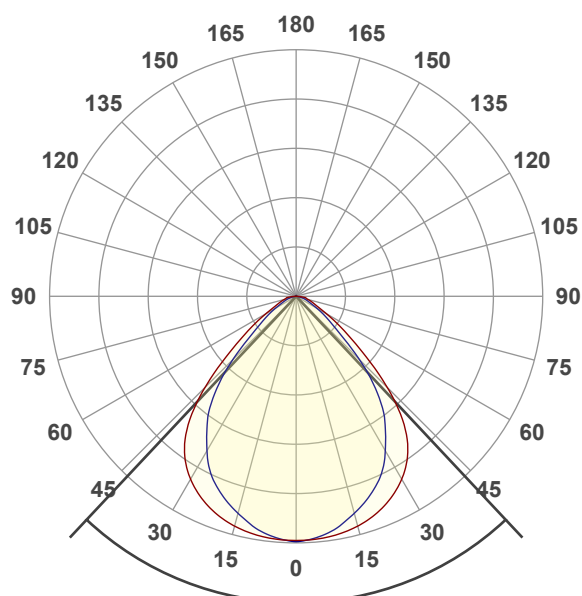
3200K

Operator:

Paolo Carvone

Date and time:

22/08/2022 18:17:16

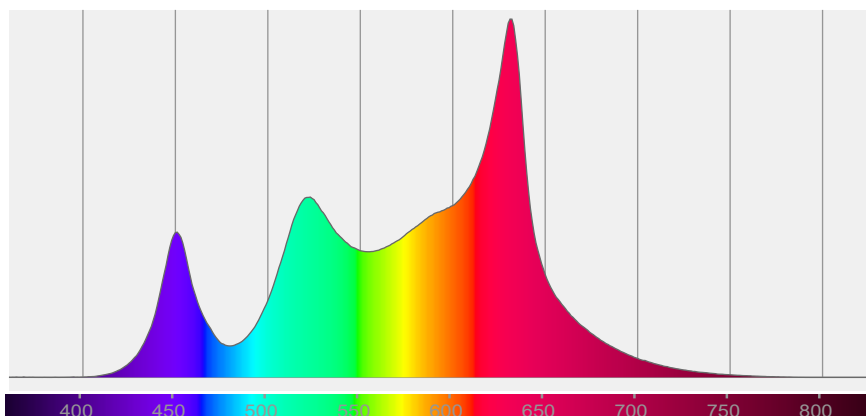


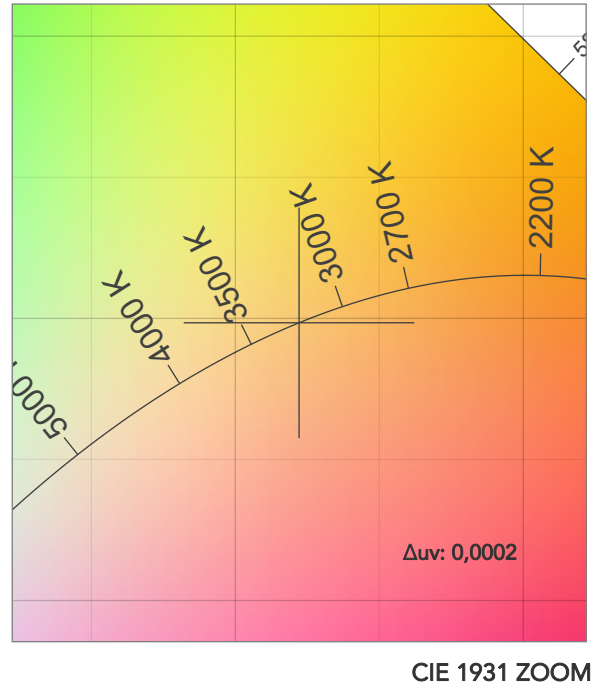
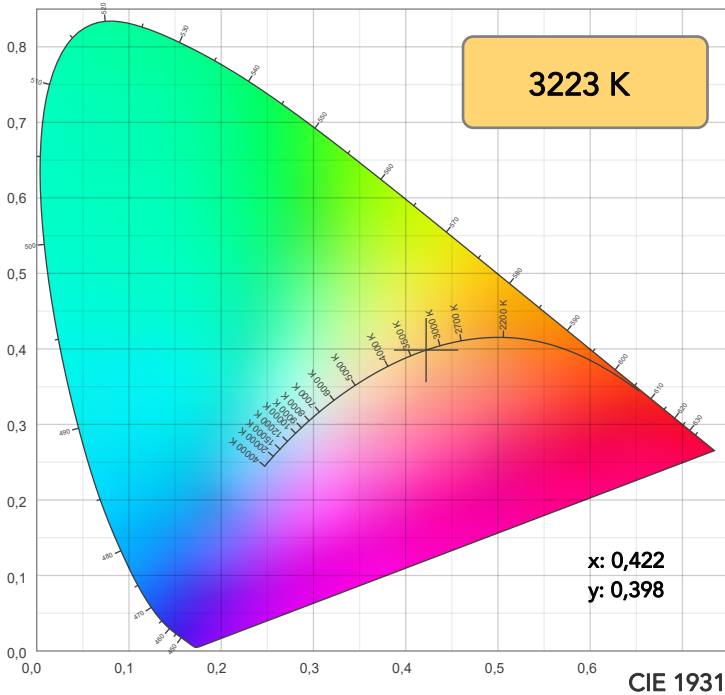
Beam angle 50%: 86,3°

Field angle 10%: 124°

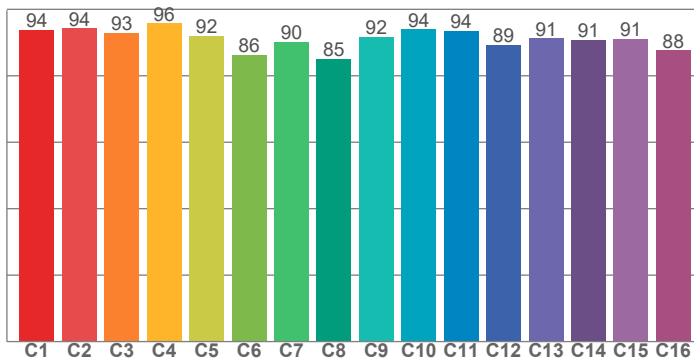
Cut off angle 2.5%: 159,6°

Spectra

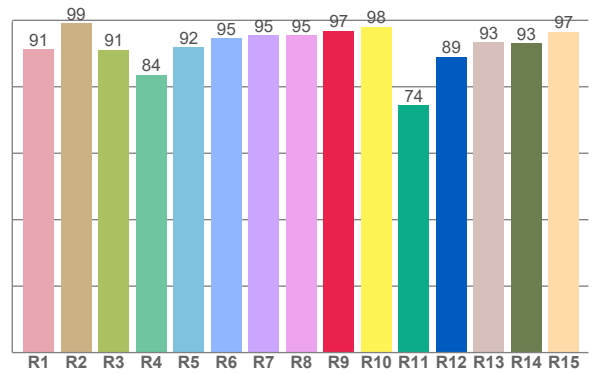




TM30: 91,8



CRI: 92,8 (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
91,4	99,2	91,1	83,6	91,9	94,6	95,5	95,4	96,9	98,1	74,5	89,0	93,4	93,2	96,6

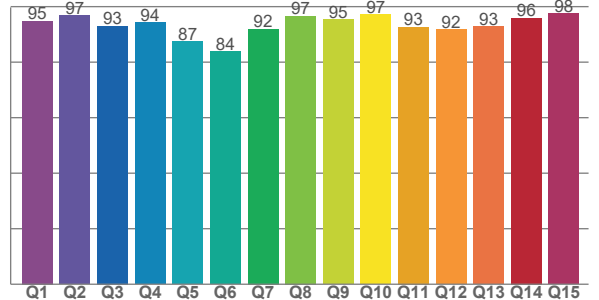
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,8	94,2	92,8	95,7	92,1	86,3	90,1	85,1	91,7	94,0	93,5	89,3	91,2	90,7	91,2	87,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,9	96,8	93,0	94,2	87,4	83,8	91,9	96,6	95,3	97,2	92,6	91,8	92,8	96,0	97,5

CQS: 92,3



COLOR PARAMETERS

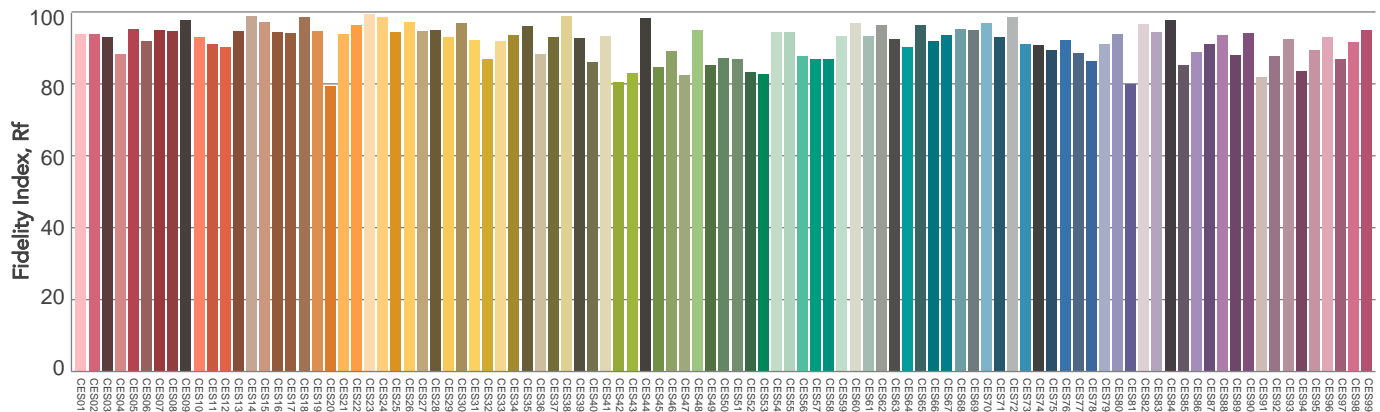
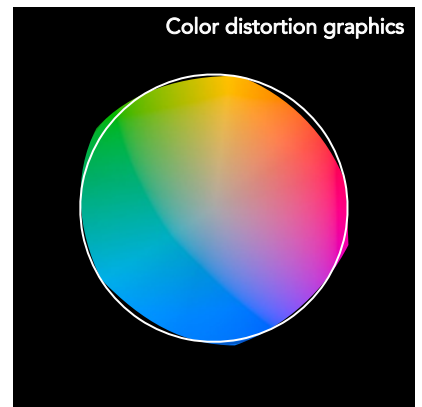
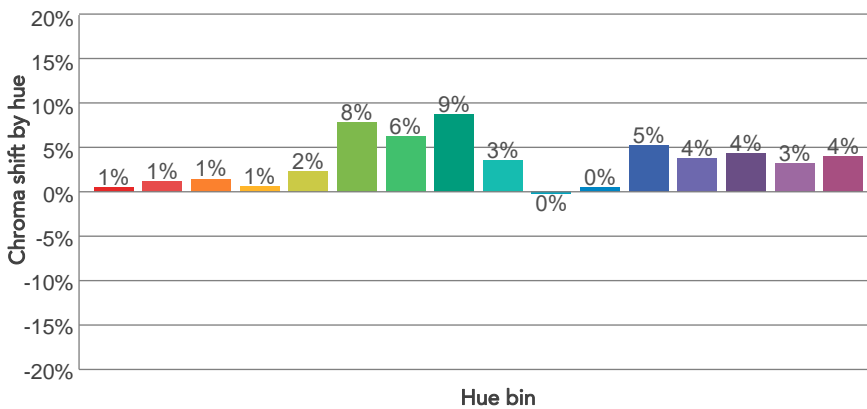
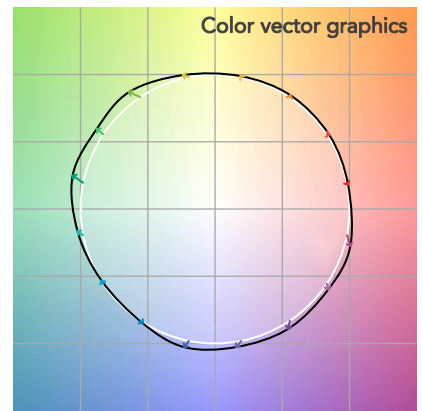
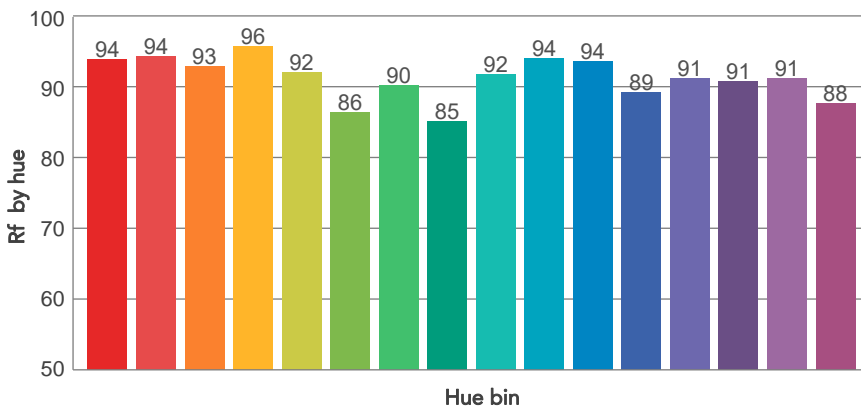
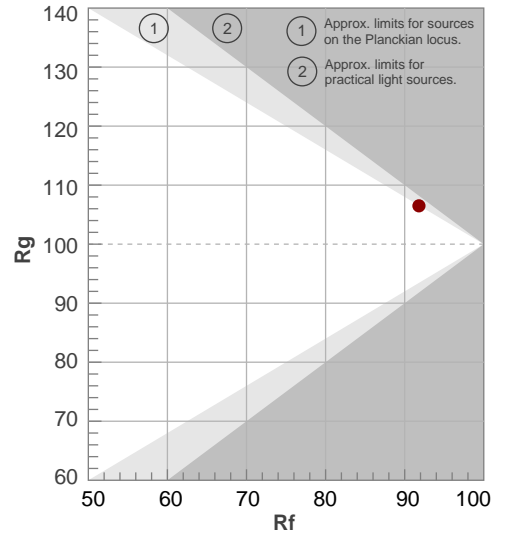
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3223 K	92,8	96,9	91,8	106,5	92,3	79	0,422	0,398	0,0002

# TM30 DETAILS

**Rf 91,8**  
Fidelity index Rf

**Rg 106,5**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	1%	-1%
2	94	1%	-1%
3	93	1%	0%
4	96	1%	1%
5	92	2%	4%
6	86	8%	5%
7	90	6%	-1%
8	85	9%	-4%
9	92	3%	-4%
10	94	0%	-3%
11	94	0%	2%
12	89	5%	-2%
13	91	4%	-5%
14	91	4%	-4%
15	91	3%	-3%
16	88	4%	-7%

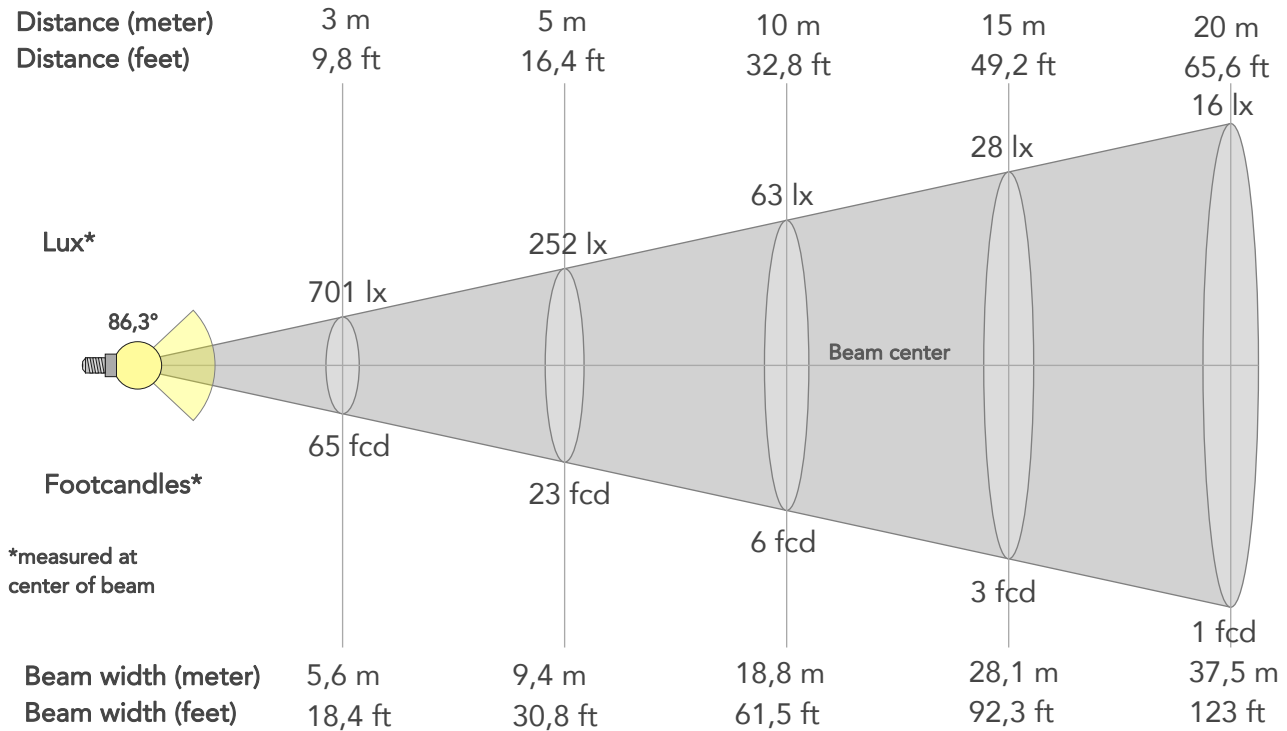


Color Evaluation Sample

# BEAM DETAILS



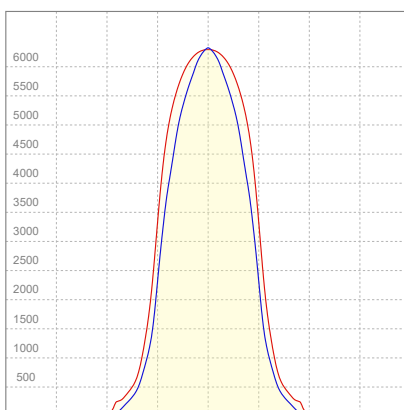
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
86,3°	124°	159,6°	92,6%	75,4%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6305lx	1576lx	701lx	394lx	252lx	112lx	63lx	28lx	16lx	10lx	7lx	4lx	3lx
Footcand.	586fcd	146fcd	65fcd	37fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,9m	3,8m	5,6m	7,5m	9,4m	14,1m	18,8m	28,1m	37,5m	46,9m	56,3m	75m	93,8m
Beam wid.	6,2ft	12,4ft	18,4ft	24,6ft	30,8ft	46,1ft	61,5ft	92,3ft	123ft	153,8ft	184,6ft	246,1ft	307,6ft

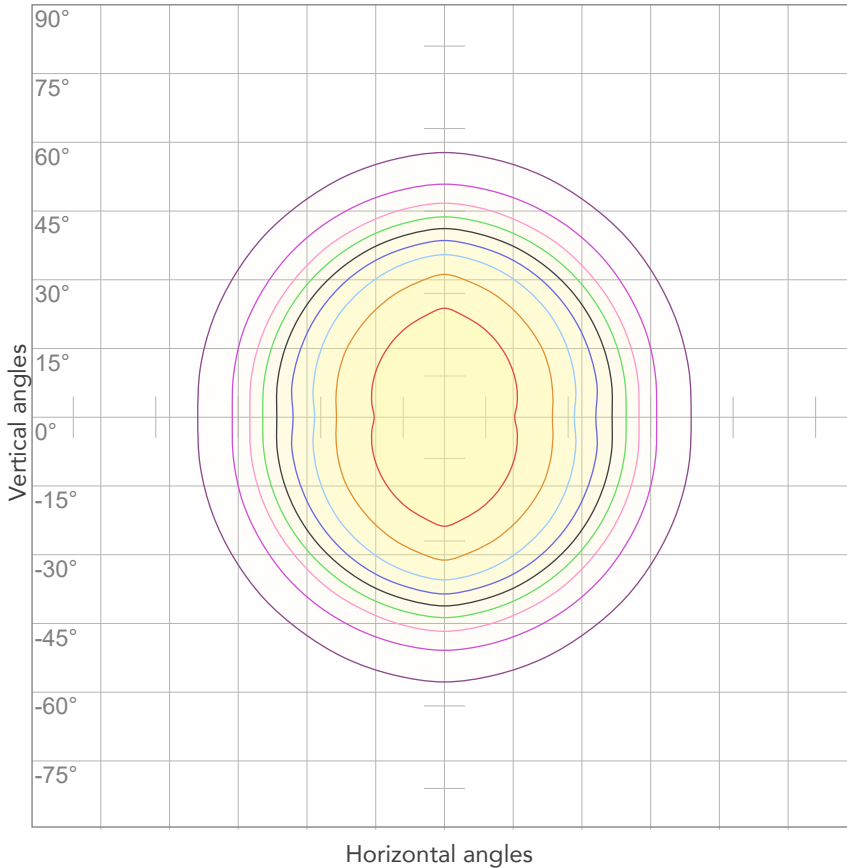
## LINEAR DISTRIBUTION DIAGRAM



## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	1,08A	232,1W	50lm/W

## ISO CANDELA DIAGRAM



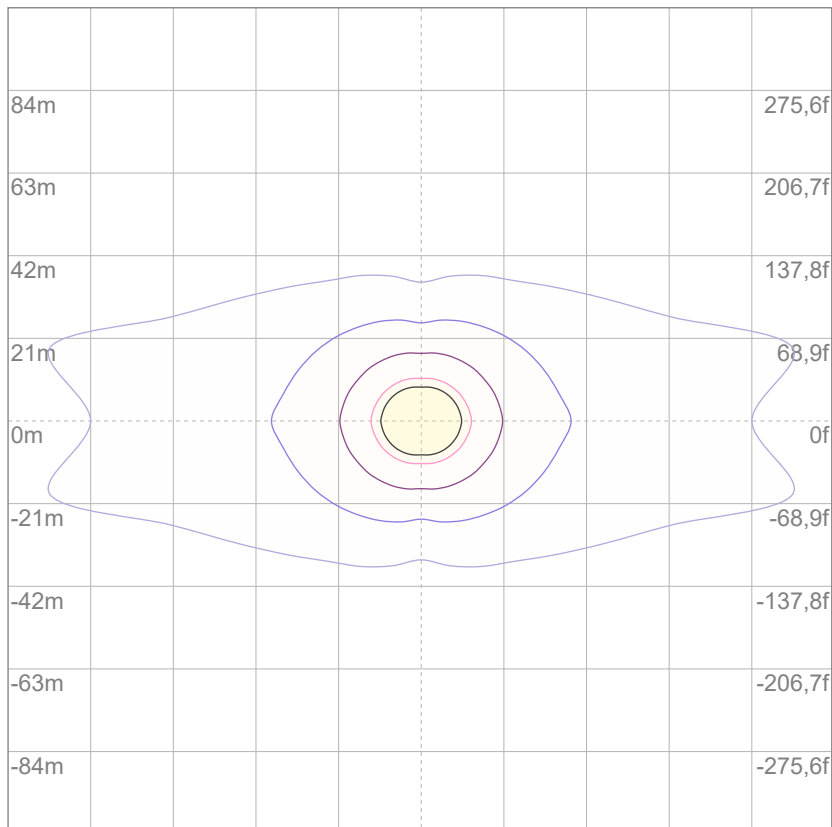
10%	631 cd
20%	1261 cd
30%	1892 cd
40%	2522 cd
50%	3153 cd
60%	3783 cd
70%	4414 cd
80%	5044 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 6305 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,89 lx
5%	3,15 lx
10%	6,31 lx
30%	18,9 lx
50%	31,5 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 63,1 lx

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



Total lumen output:

9827 lm

Peak candela output:

3344 cd

Light quality:

CRI: 91,8

Color temperature:

4021 K



PRODUCT NAME:

ECLSOFTLINEARIP

MEASURAMENT CONDITIONS:

Beam angle:

Filter HD

Target:

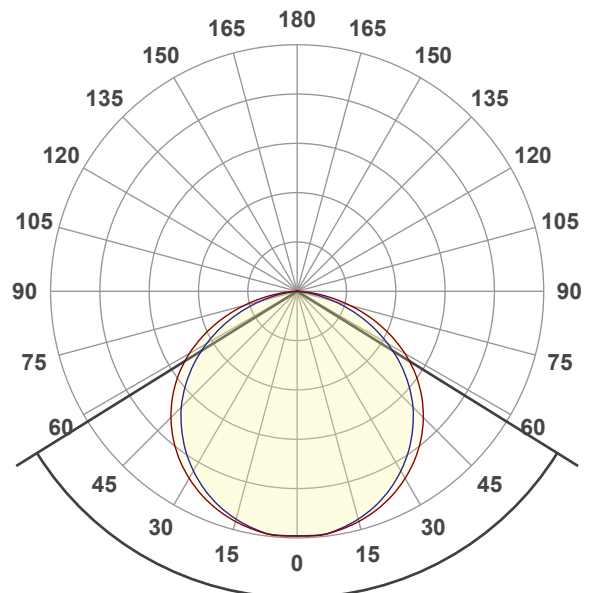
4000K

Operator:

Paolo Carvone

Date and time:

22/08/2022 17:50:07

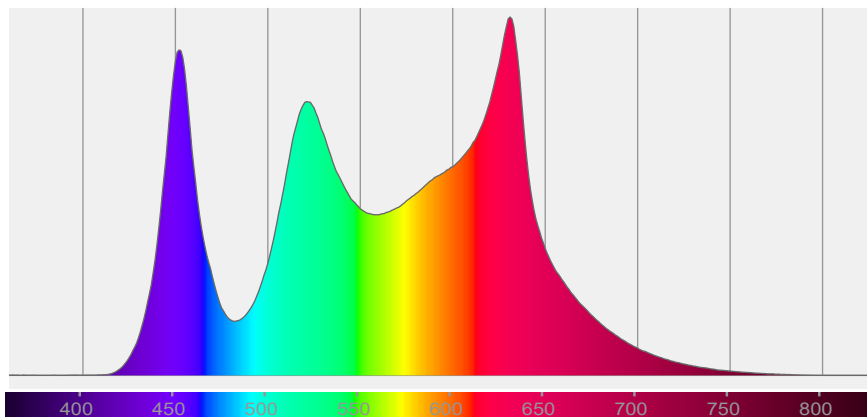


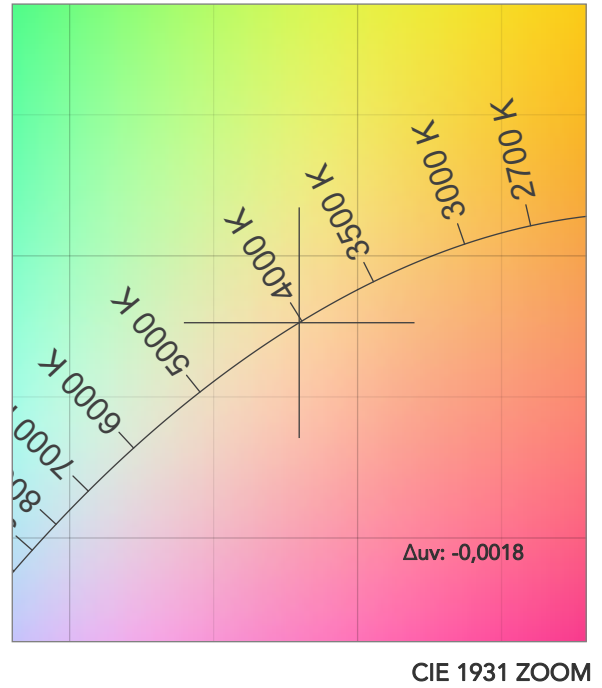
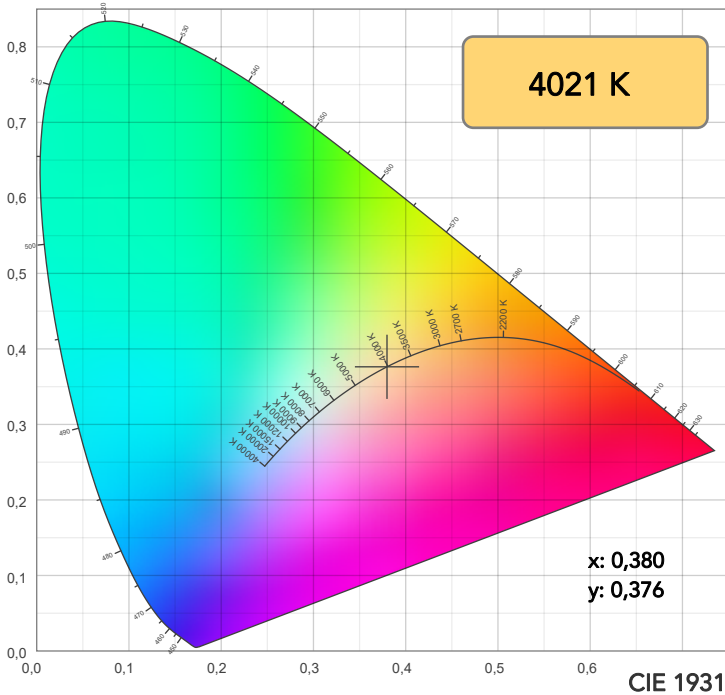
Beam angle 50%: 116,3°

Field angle 10%: 159,8°

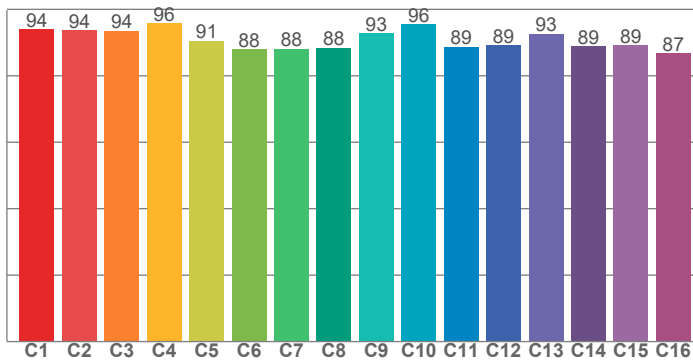
Cut off angle 2.5%: 170,1°

Spectra

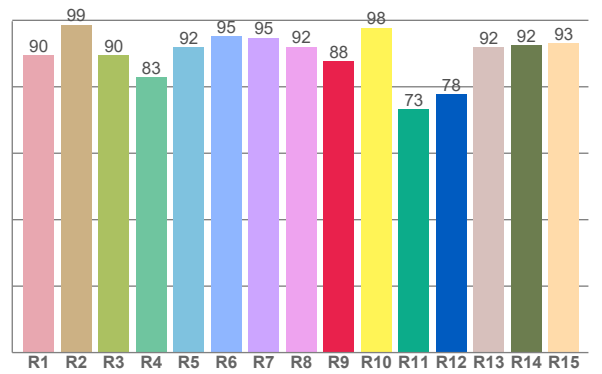




TM30: 91,4



CRI: 91,8 (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
89,6	98,7	89,5	82,8	91,8	95,2	94,8	92,1	87,7	97,8	73,2	77,7	91,9	92,5	93,1

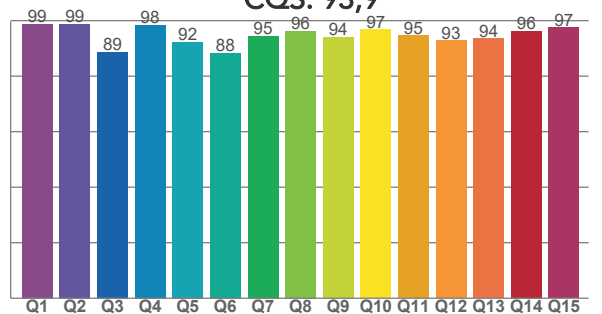
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,0	93,7	93,6	95,7	90,6	87,9	88,1	88,5	92,8	95,5	88,7	89,2	92,5	88,9	89,1	86,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,9	98,8	88,7	98,3	92,3	88,4	94,5	96,3	94,0	96,7	94,7	92,9	93,6	96,2	97,5

CQS: 93,9



COLOR PARAMETERS

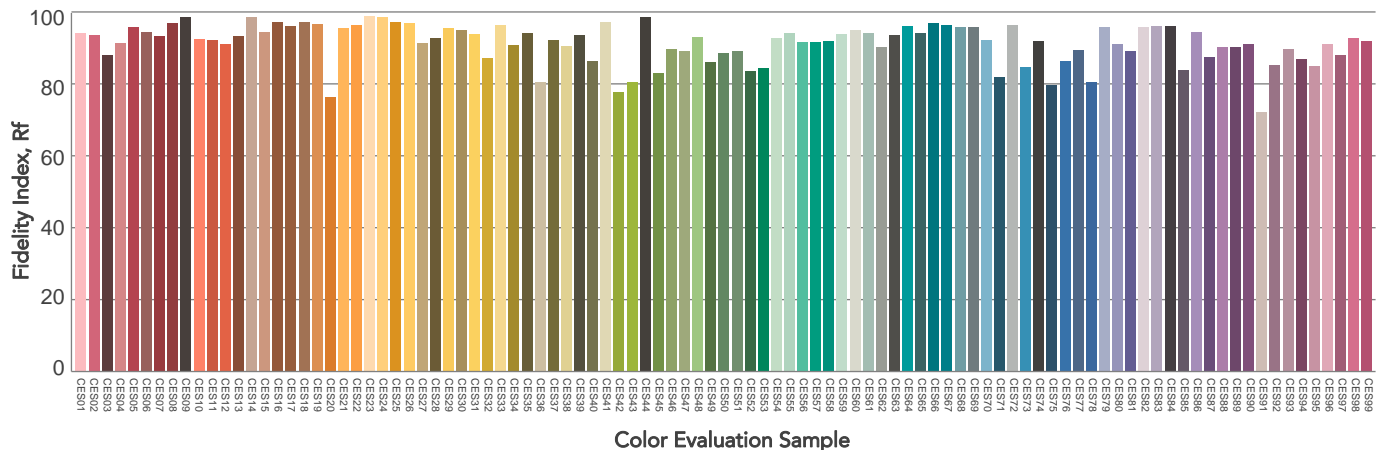
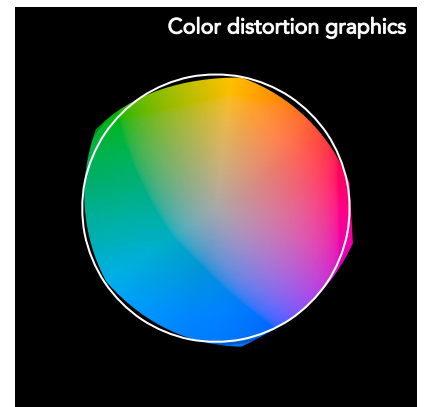
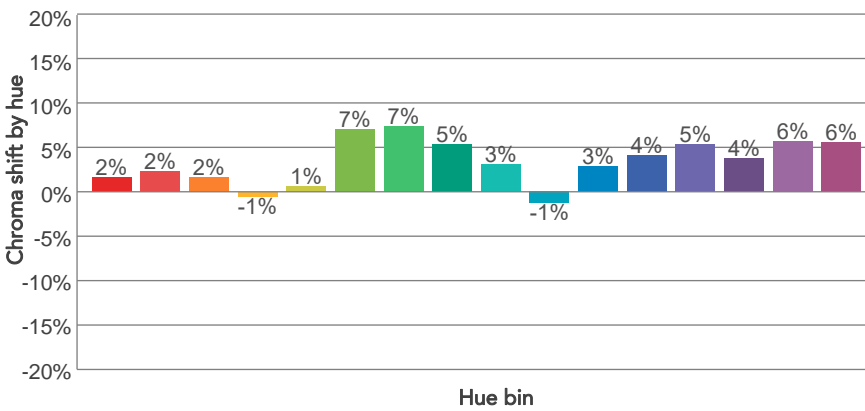
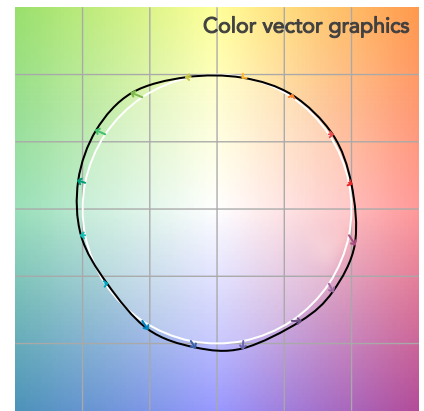
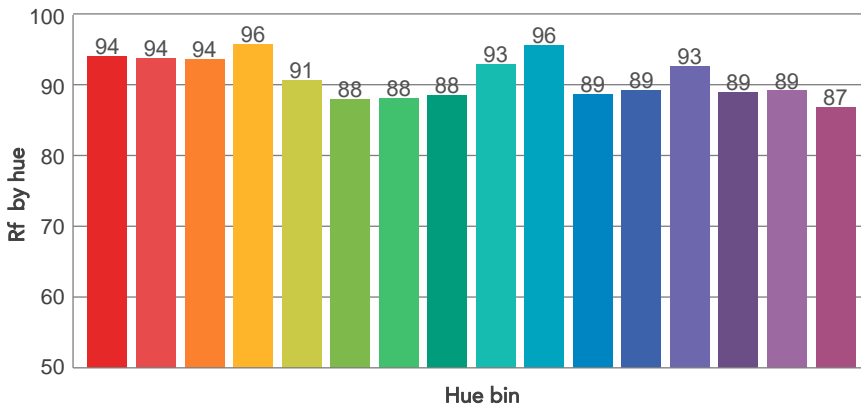
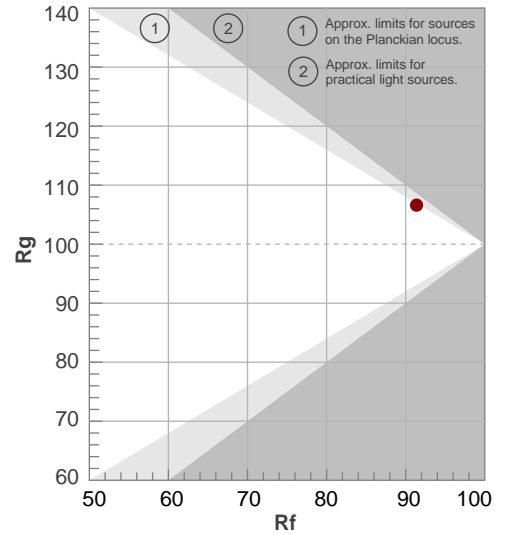
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4021 K	91,8	87,7	91,4	106,6	93,9	81	0,380	0,376	-0,0018

# TM30 DETAILS

**Rf 91,4**  
Fidelity index Rf

**Rg 106,6**  
Gammut index

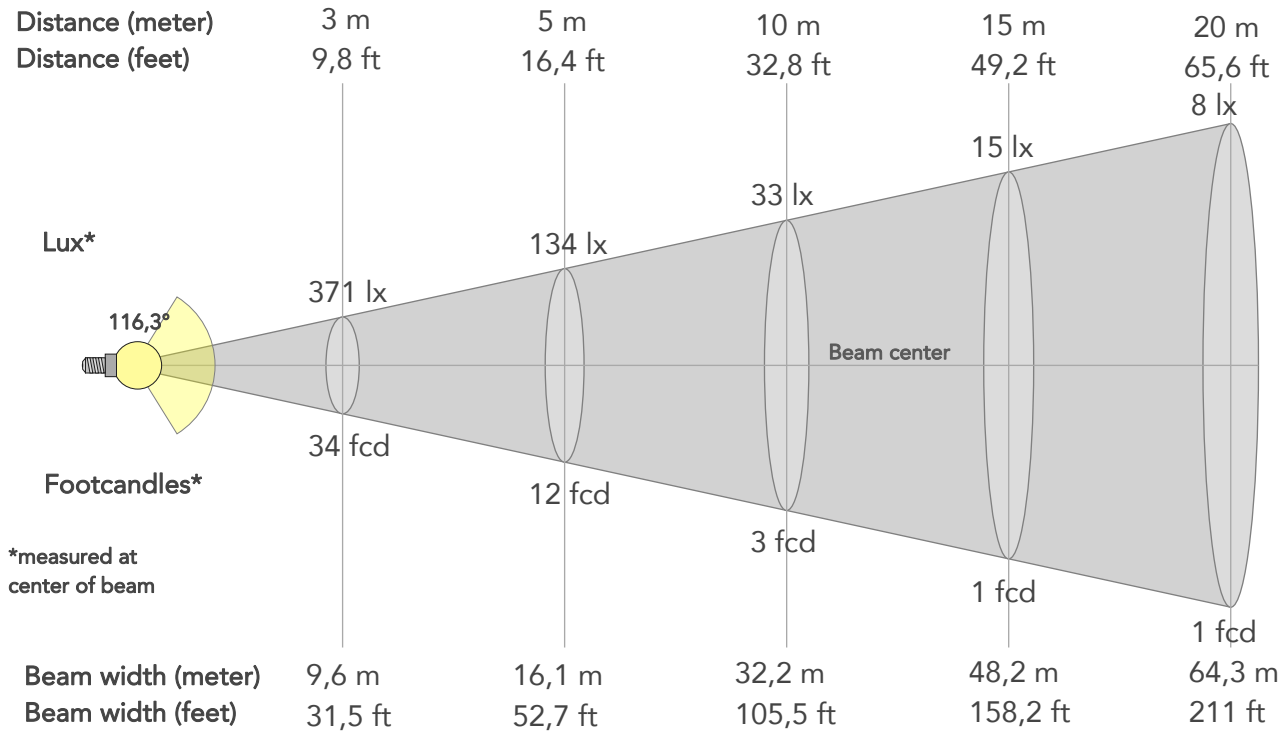
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	2%	-1%
2	94	2%	-2%
3	94	2%	1%
4	96	-1%	0%
5	91	1%	3%
6	88	7%	5%
7	88	7%	1%
8	88	5%	-1%
9	93	3%	-1%
10	96	-1%	1%
11	89	3%	7%
12	89	4%	4%
13	93	5%	-2%
14	89	4%	5%
15	89	6%	-3%
16	87	6%	-6%



# BEAM DETAILS



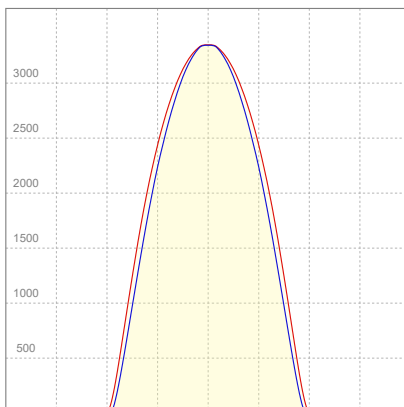
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
116,3°	159,8°	170,1°	79,1%	53,2%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3342lx	835lx	371lx	209lx	134lx	59lx	33lx	15lx	8lx	5lx	4lx	2lx	1lx
Footcand.	310fcd	78fcd	34fcd	19fcd	12fcd	6fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	3,2m	6,4m	9,6m	12,9m	16,1m	24,1m	32,2m	48,2m	64,3m	80,4m	96,5m	128,7m	160,8m
Beam wid.	10,6ft	21,2ft	31,5ft	42,1ft	52,7ft	79,1ft	105,5ft	158,2ft	211ft	263,7ft	316,5ft	422ft	527,5ft

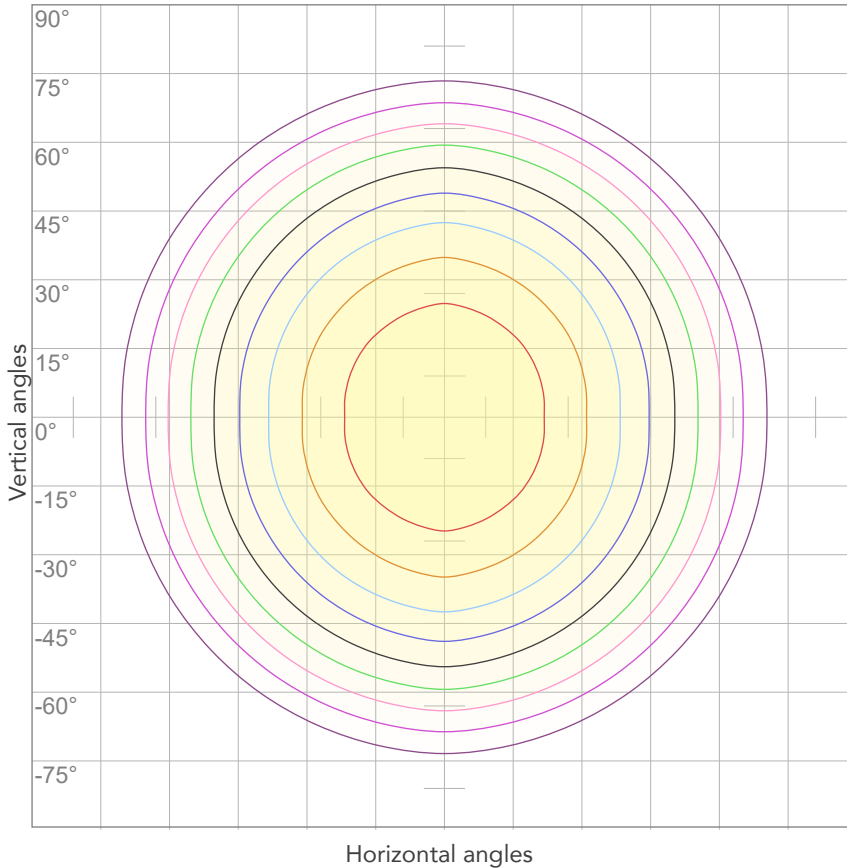
## LINEAR DISTRIBUTION DIAGRAM



## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
223V	1,08A	233,7W	42lm/W

## ISO CANDELA DIAGRAM



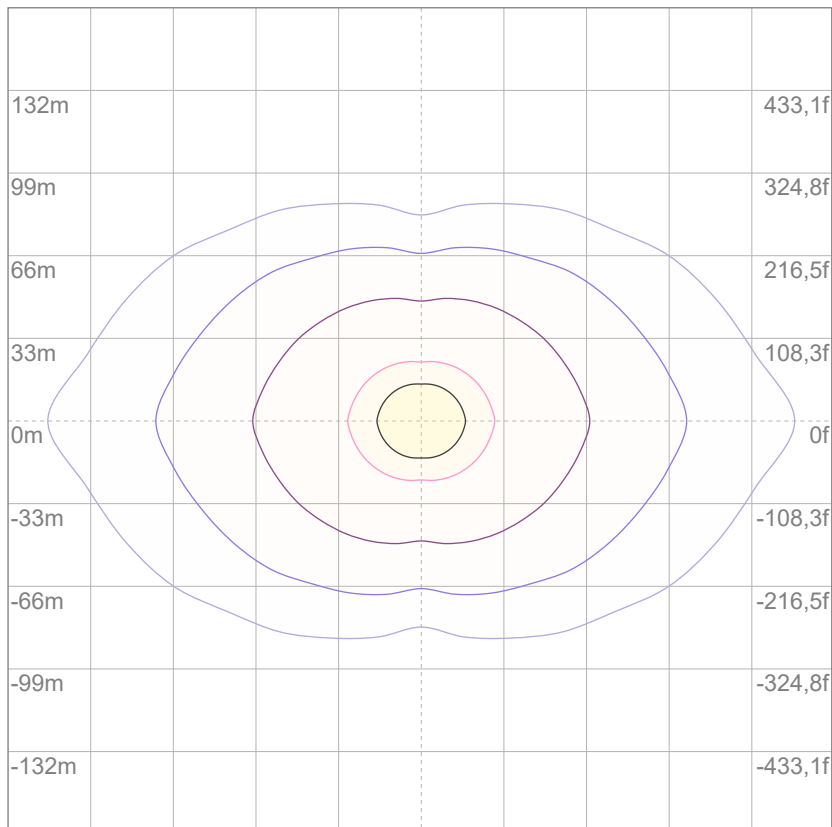
10%	334 cd
20%	668 cd
30%	1003 cd
40%	1337 cd
50%	1671 cd
60%	2005 cd
70%	2339 cd
80%	2674 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 3342 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,00 lx
5%	1,67 lx
10%	3,34 lx
30%	10,0 lx
50%	16,7 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 33,4 lx

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



Total lumen output:

11953 lm

Peak candela output:

4689 cd

Light quality:

CRI: 93,0

Color temperature:

4065 K

**PRODUCT NAME:**  
ECLSOFTLINEARIP

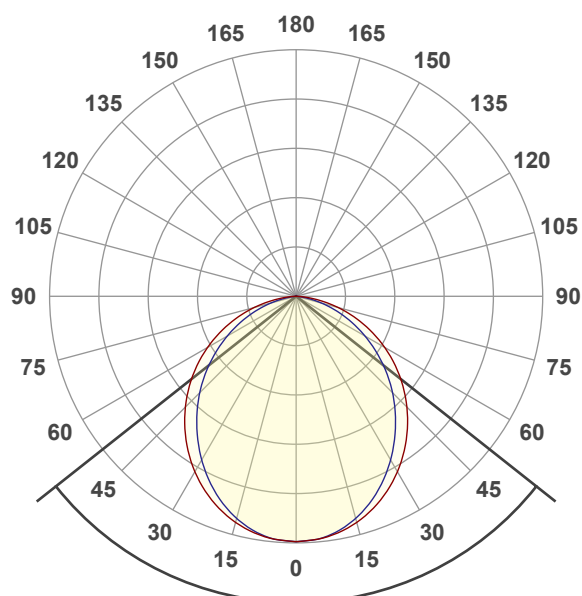
**MEASURAMENT CONDITIONS:**

Beam angle:  
Filter MD

Target:  
4000K

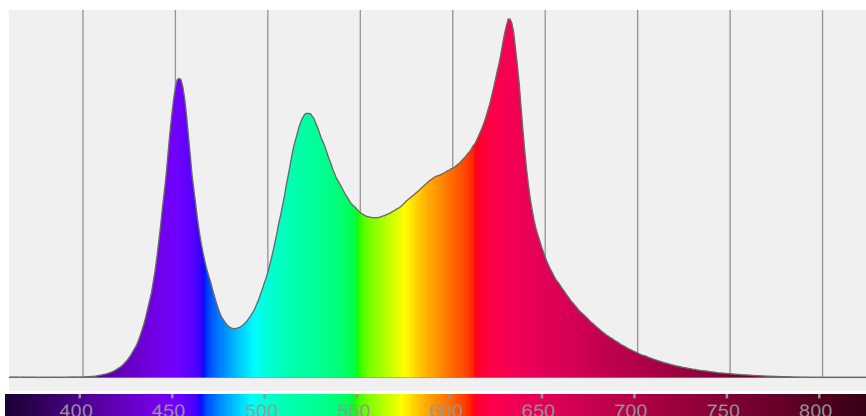
Operator:  
Paolo Carvone

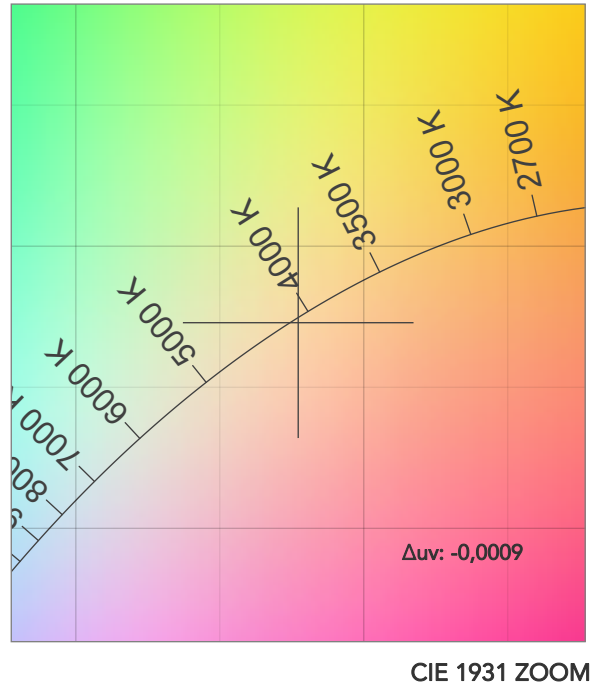
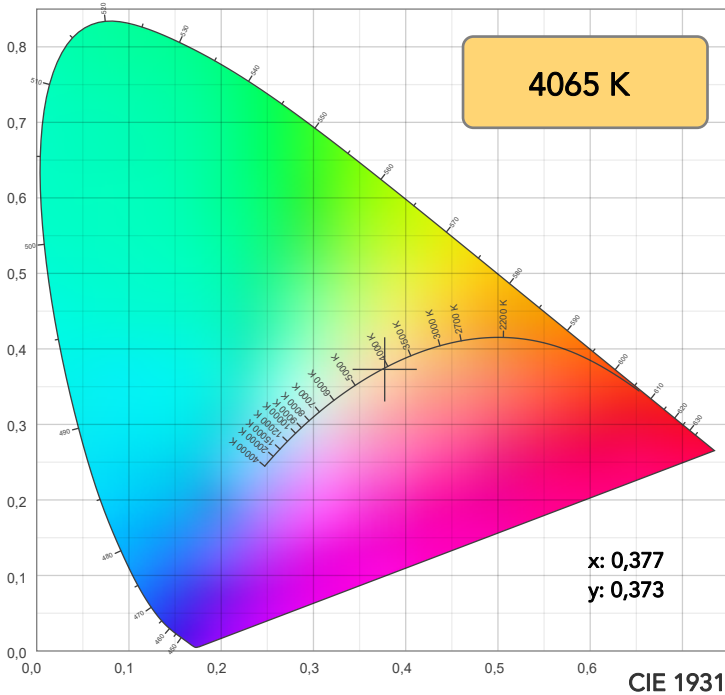
Date and time:  
22/08/2022 16:35:18



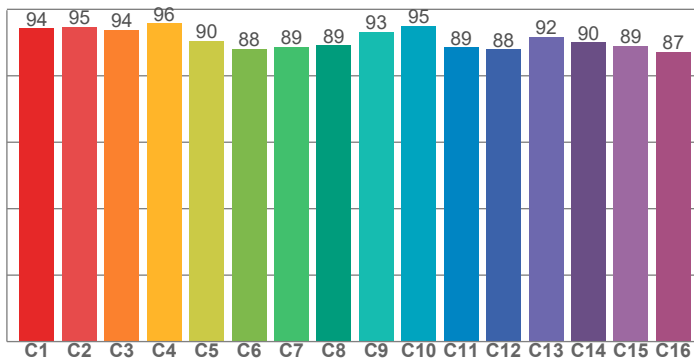
Beam angle 50%: 103,3°  
Field angle 10%: 155,6°  
Cut off angle 2.5%: 168,3°

Spectra

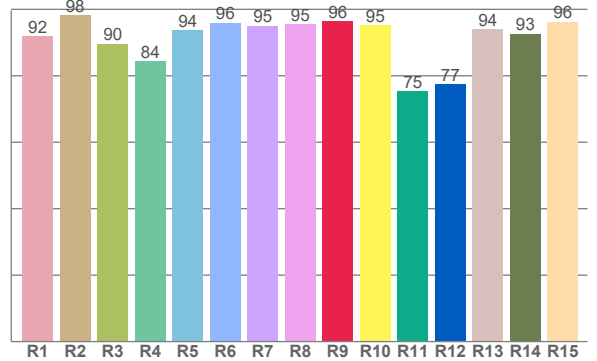




TM30: 91,5



CRI: 93,0 (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
91,9	98,1	89,7	84,4	93,8	96,0	95,1	95,4	96,5	95,3	75,3	77,5	94,0	92,6	96,3

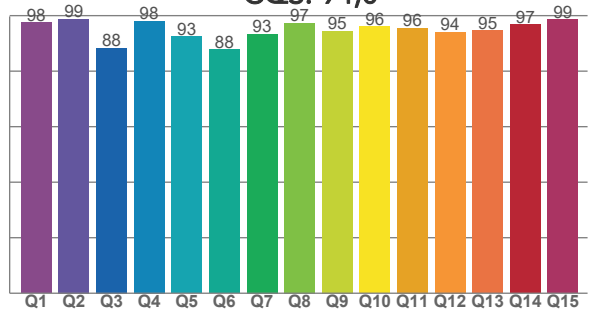
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,3	94,7	93,9	95,7	90,5	88,1	88,7	89,2	93,3	95,0	88,5	87,9	91,8	90,0	89,1	87,1

CQS Q values

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

CQS: 94,0



COLOR PARAMETERS

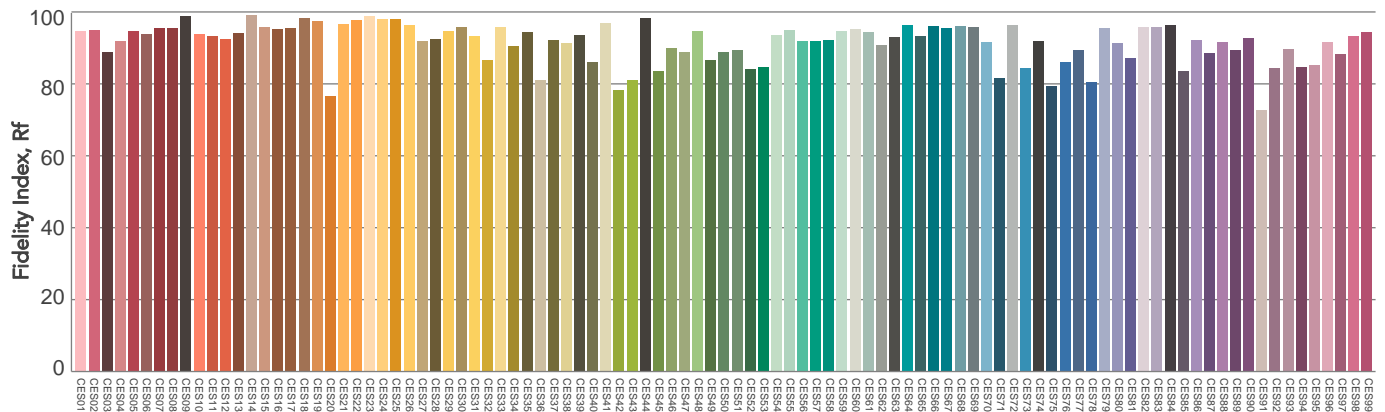
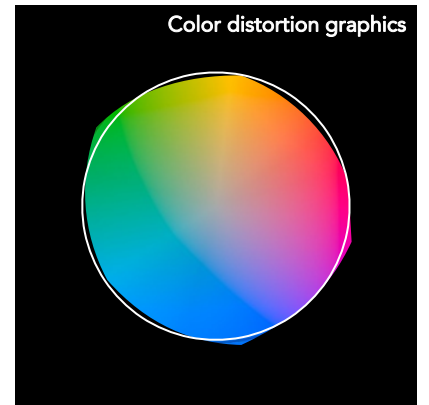
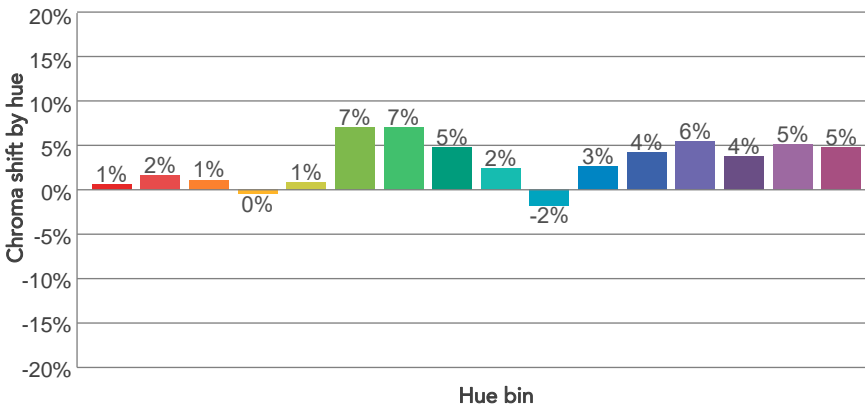
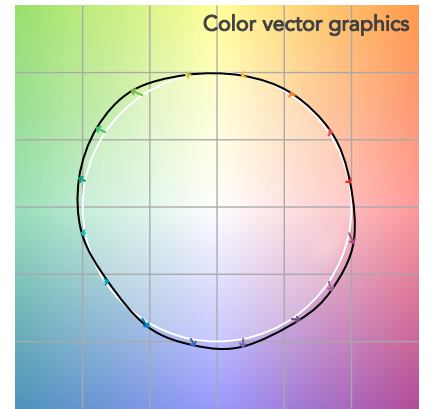
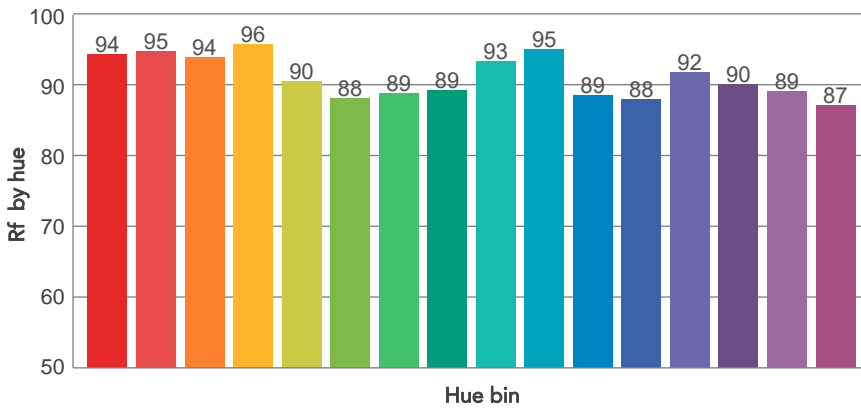
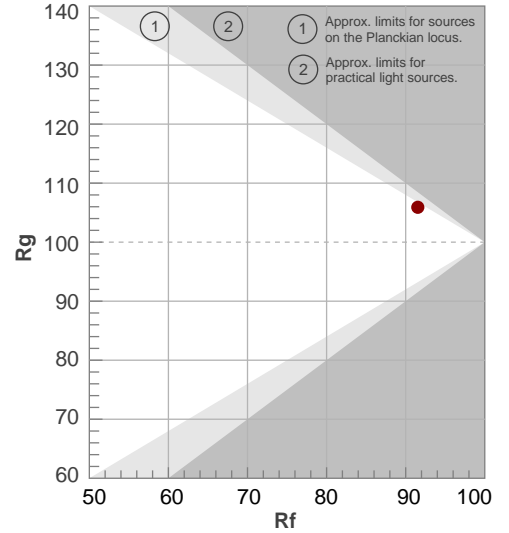
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4065 K	93,0	96,5	91,5	105,9	94,0	82	0,377	0,373	-0,0009

# TM30 DETAILS

**Rf 91,5**  
Fidelity index Rf

**Rg 105,9**  
Gammut index

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

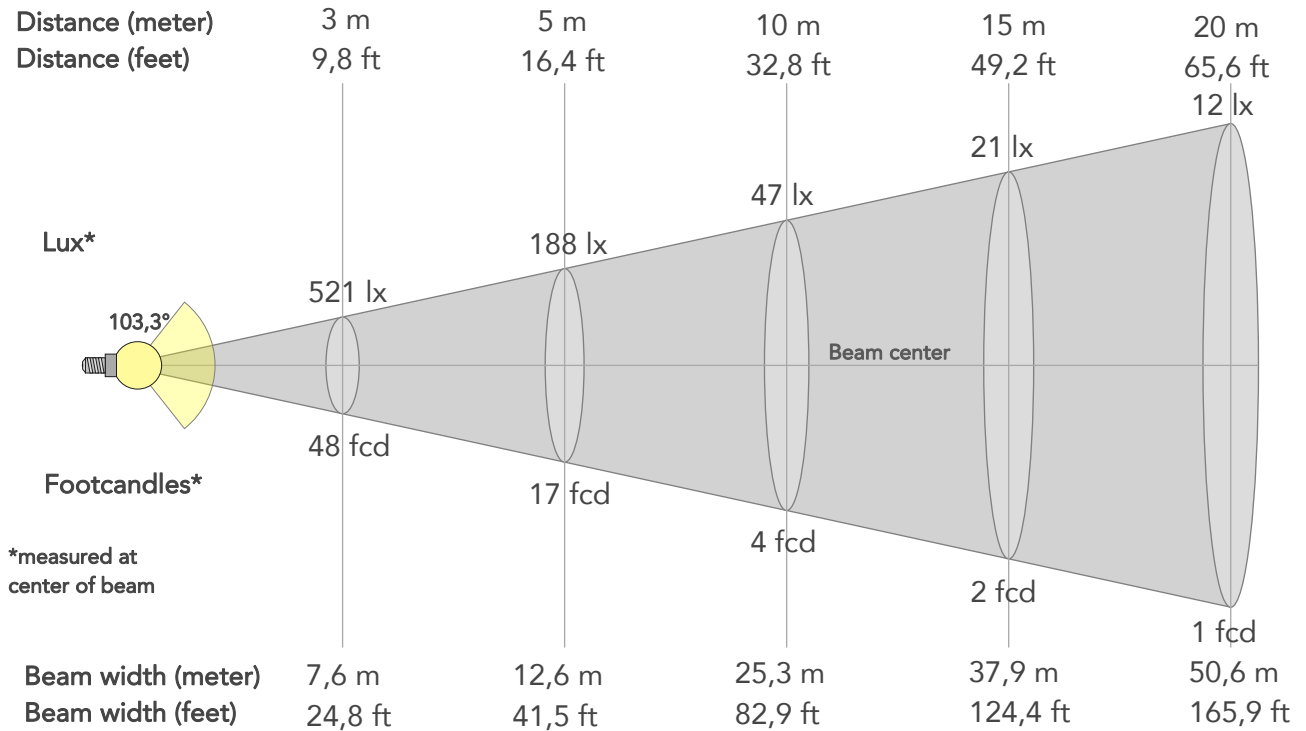




# BEAM DETAILS



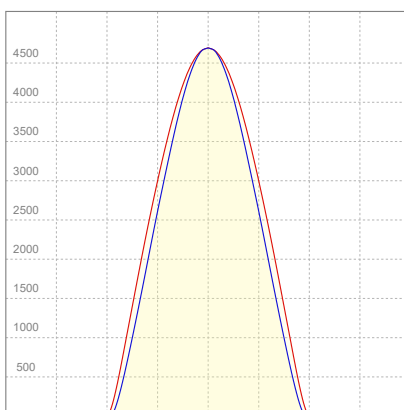
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
103,3°	155,6°	168,3°	81,4%	56,8%



## 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	4688lx	1172lx	521lx	293lx	188lx	83lx	47lx	21lx	12lx	8lx	5lx	3lx	2lx
Footcand.	436fcd	109fcd	48fcd	27fcd	17fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	2,5m	5,1m	7,6m	10,1m	12,6m	19m	25,3m	37,9m	50,6m	63,2m	75,8m	101,1m	126,4m
Beam wid.	8,3ft	16,7ft	24,8ft	33,1ft	41,5ft	62,2ft	82,9ft	124,4ft	165,9ft	207,3ft	248,8ft	331,7ft	414,6ft

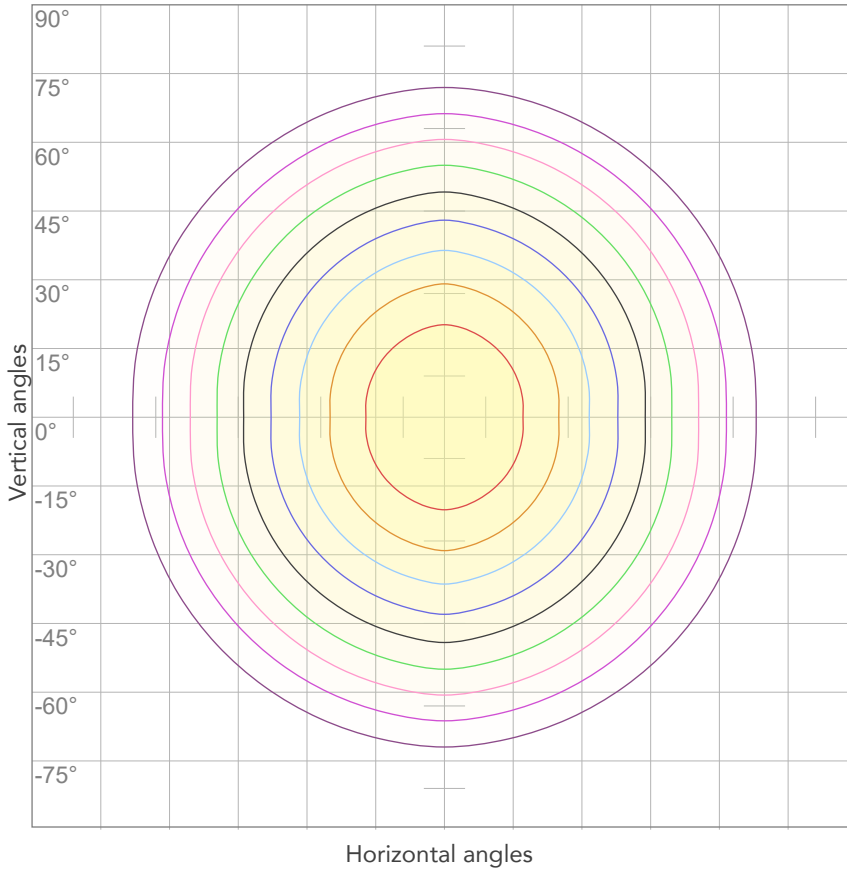
## LINEAR DISTRIBUTION DIAGRAM



## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	1,08A	234W	51lm/W

## ISO CANDELA DIAGRAM



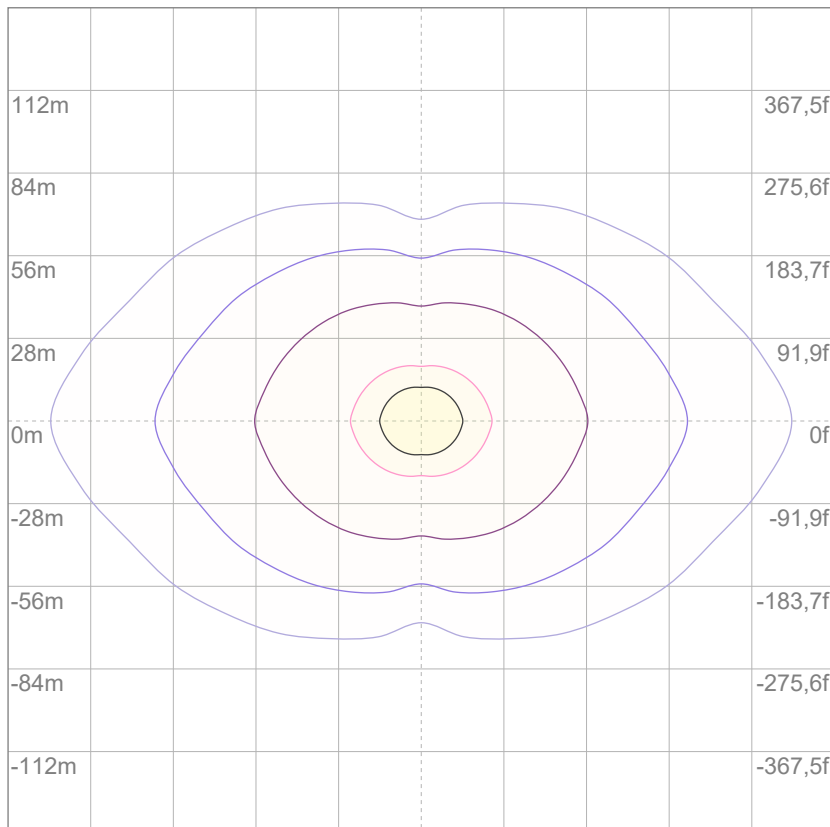
10%	469 cd
20%	938 cd
30%	1406 cd
40%	1875 cd
50%	2344 cd
60%	2813 cd
70%	3282 cd
80%	3751 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 4688 cd

## ISO LUX DIAGRAM



3%	1,41 lx
5%	2,34 lx
10%	4,69 lx
30%	14,1 lx
50%	23,4 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 46,9 lx

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

Total lumen output:

12994 lm

Peak candela output:

5502 cd

Light quality:

CRI: 92,8

Color temperature:

4027 K



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASUREMENT CONDITIONS:**

Beam angle:

Filter LD

Target:

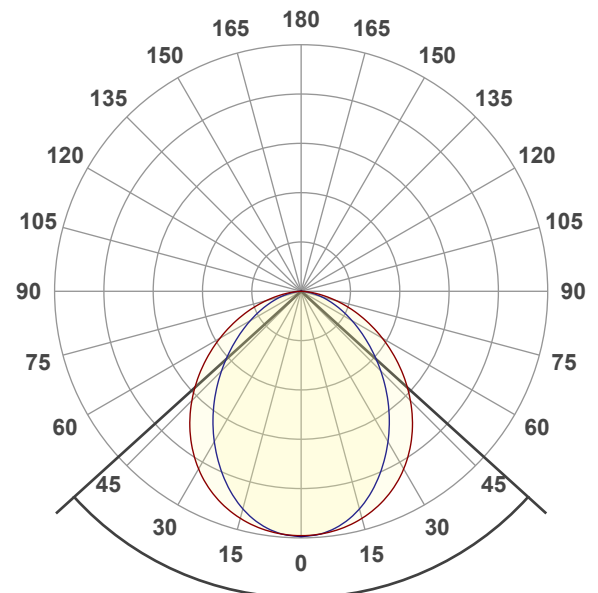
4000K

Operator:

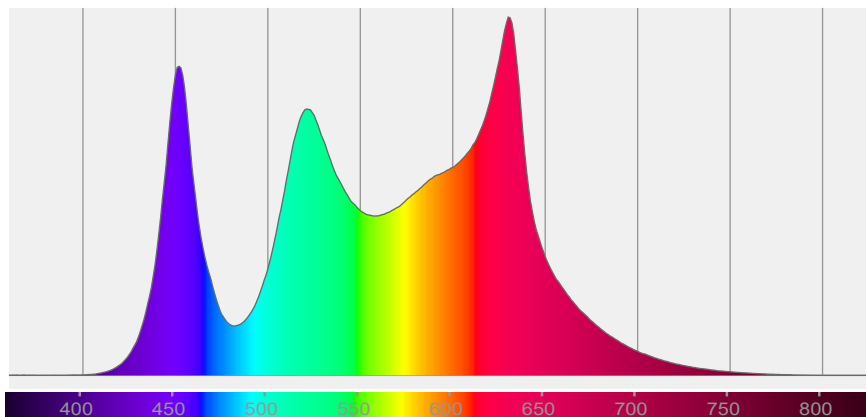
Paolo Carvone

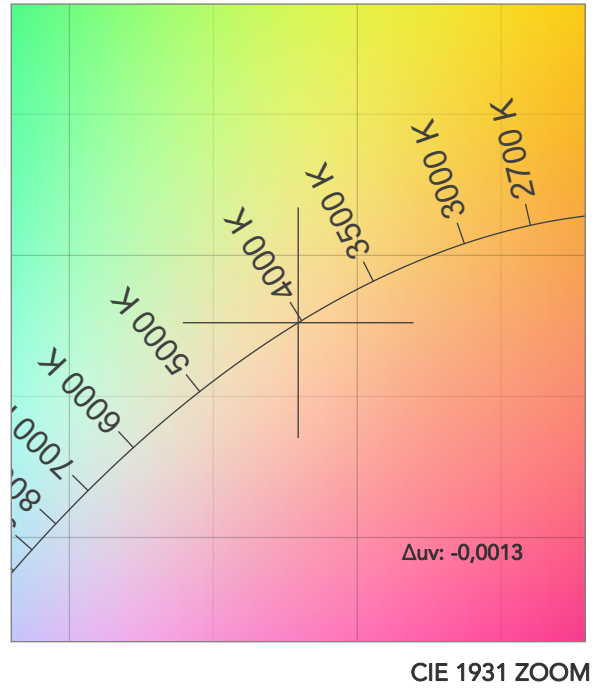
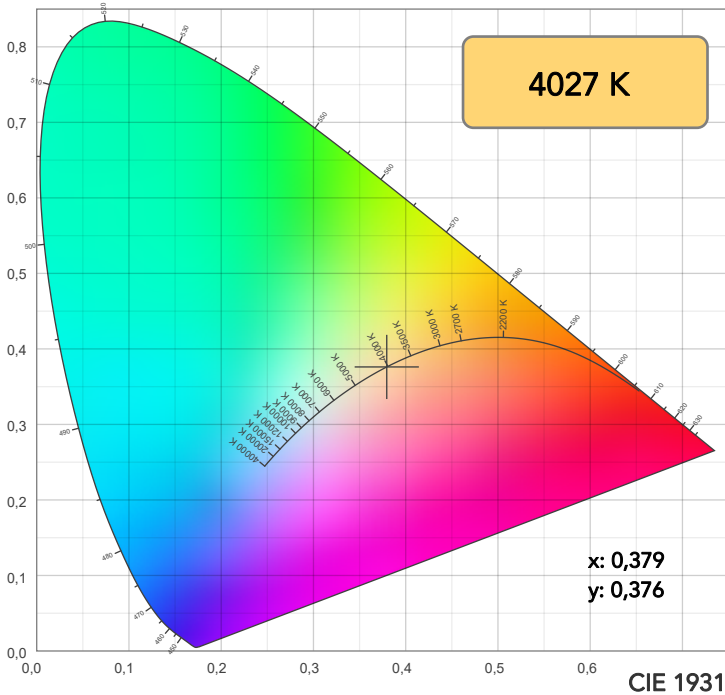
Date and time:

23/08/2022 11:15:03

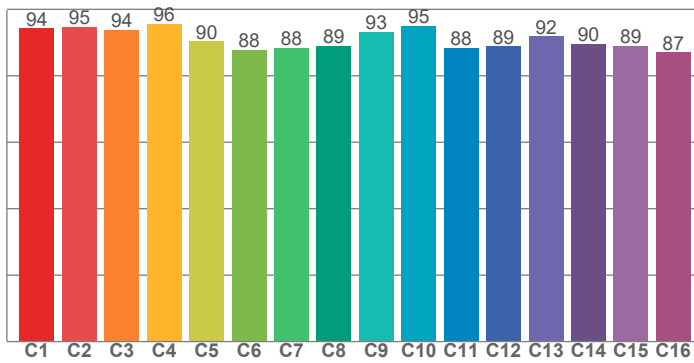


Spectra

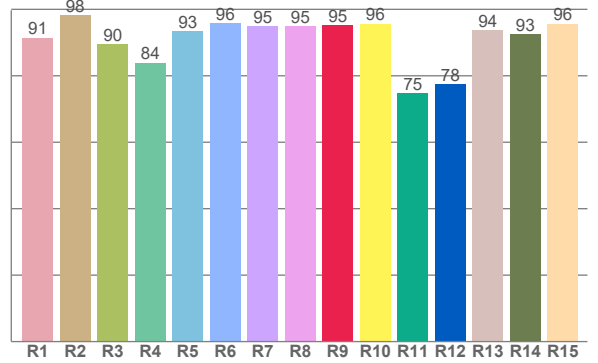




TM30: 91,4



CRI: 92,8 (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
91,4	98,2	89,6	83,9	93,4	95,8	94,9	94,8	95,2	95,6	74,7	77,5	93,6	92,5	95,7

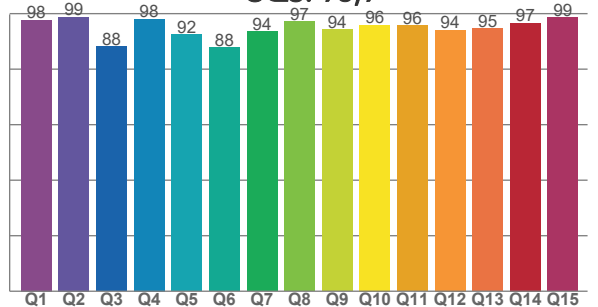
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,2	94,7	93,9	95,7	90,3	87,8	88,5	89,0	93,2	95,0	88,4	88,9	91,9	89,6	89,0	87,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,8	98,8	88,1	98,0	92,4	87,8	93,6	97,2	94,3	96,0	95,7	94,1	94,6	96,7	98,6

CQS: 93,9



COLOR PARAMETERS

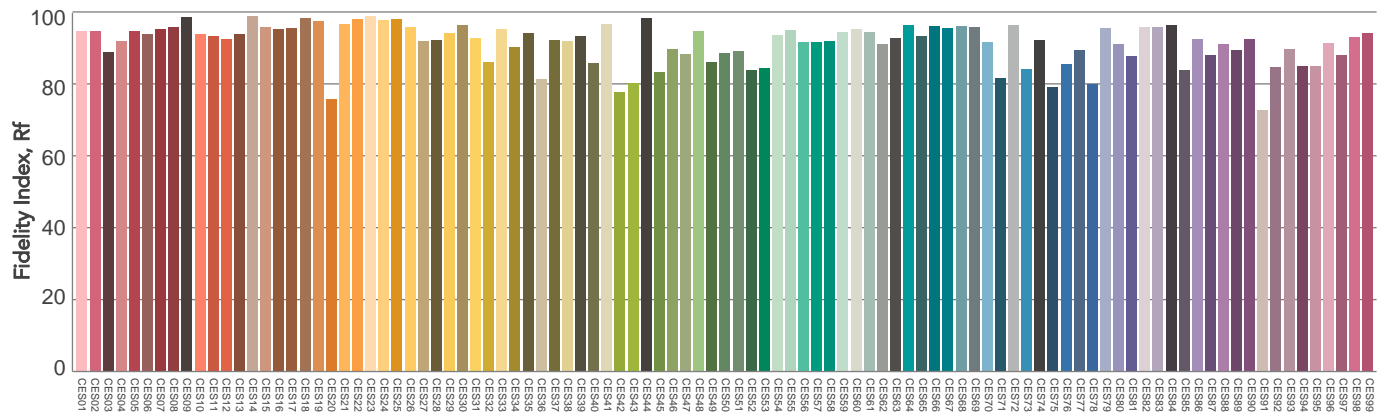
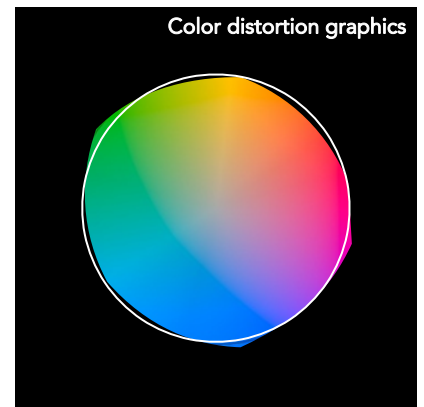
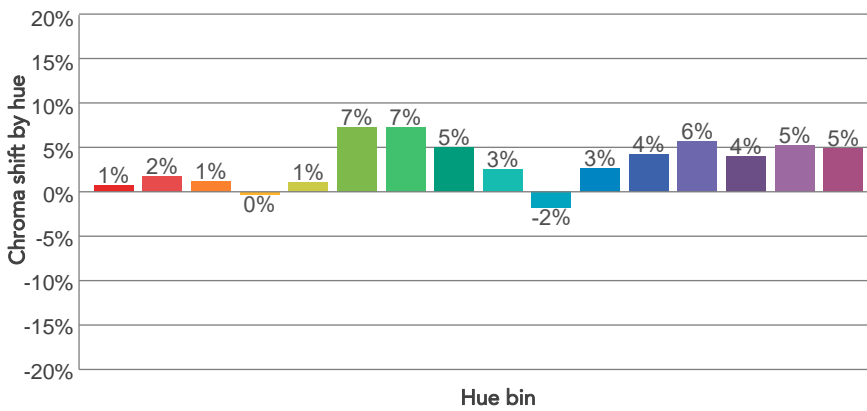
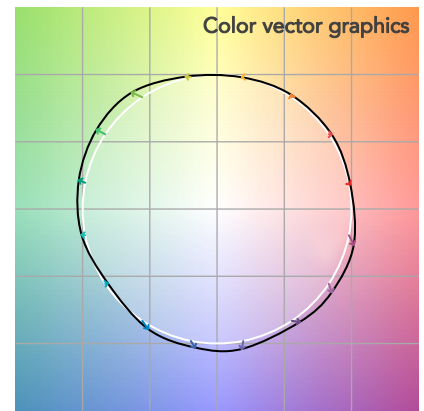
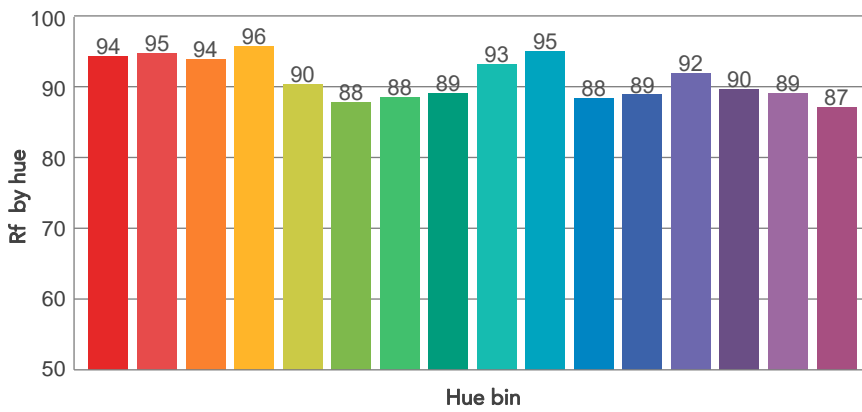
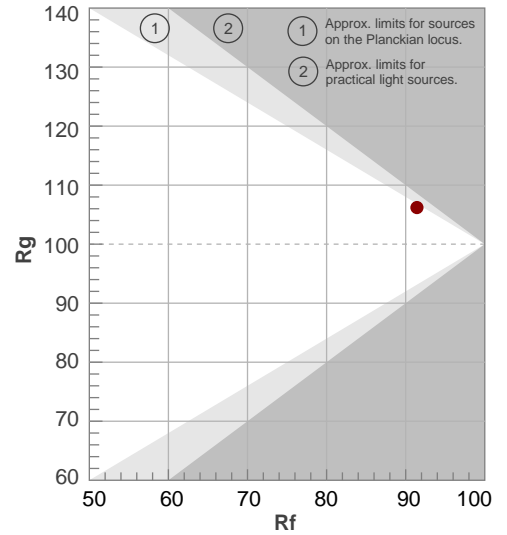
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4027 K	92,8	95,2	91,4	106,2	93,9	81	0,379	0,376	-0,0013

# TM30 DETAILS

**Rf 91,4**  
Fidelity index Rf

**Rg 106,2**  
Gammut index

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

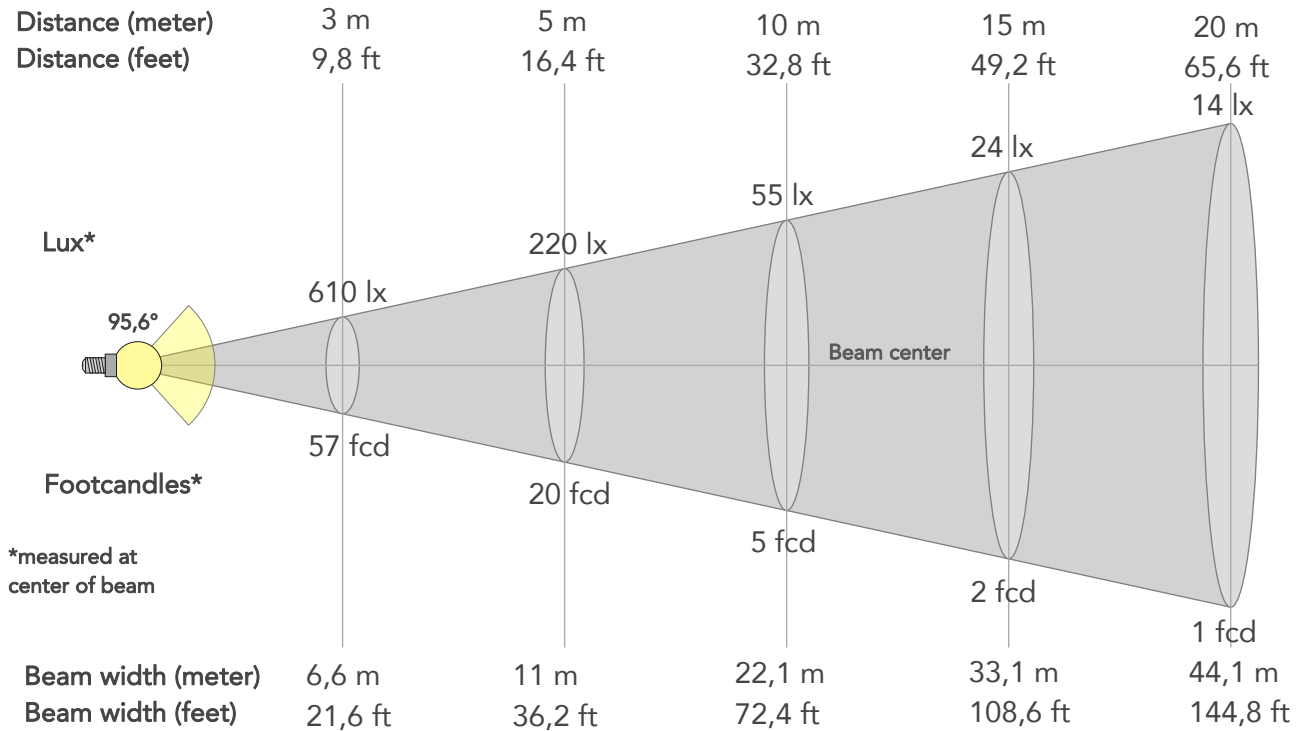


Color Evaluation Sample

# BEAM DETAILS



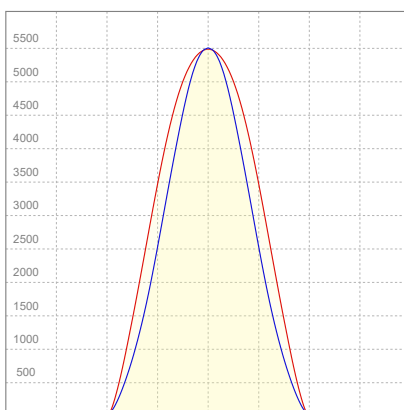
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
95,6°	151,9°	168,9°	82,5%	59,2%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5493lx	1373lx	610lx	343lx	220lx	98lx	55lx	24lx	14lx	9lx	6lx	3lx	2lx
Footcand.	510fcd	128fcd	57fcd	32fcd	20fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	2,2m	4,4m	6,6m	8,8m	11m	16,6m	22,1m	33,1m	44,1m	55,2m	66,2m	88,3m	110,3m
Beam wid.	7,3ft	14,6ft	21,6ft	28,9ft	36,2ft	54,3ft	72,4ft	108,6ft	144,8ft	181ft	217,2ft	289,6ft	361,9ft

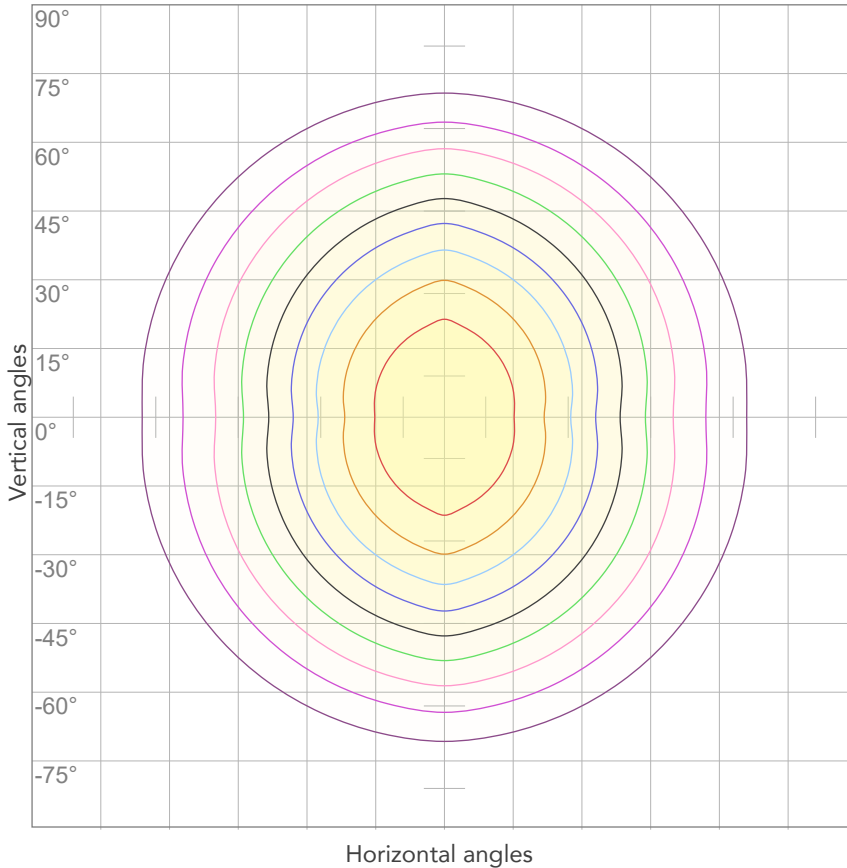
## LINEAR DISTRIBUTION DIAGRAM



## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	1,09A	235,1W	55lm/W

## ISO CANDELA DIAGRAM



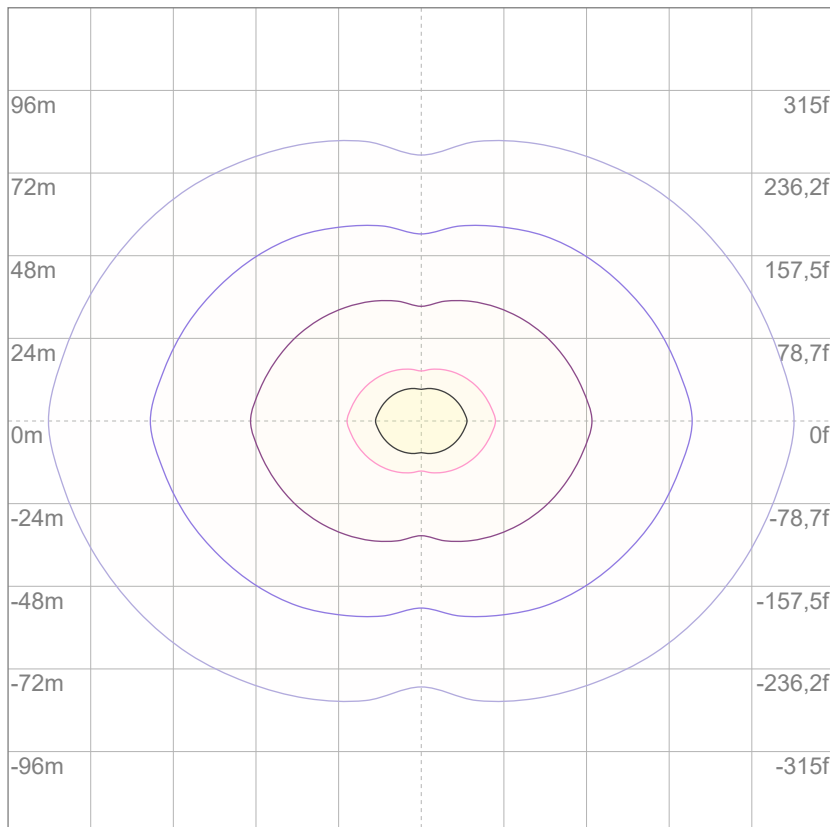
10%	549 cd
20%	1099 cd
30%	1648 cd
40%	2197 cd
50%	2746 cd
60%	3296 cd
70%	3845 cd
80%	4394 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 5493 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,65 lx
5%	2,75 lx
10%	5,49 lx
30%	16,5 lx
50%	27,5 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 54,9 lx

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

Total lumen output:

11719 lm

Peak candela output:

6314 cd

Light quality:

CRI: 93,1

Color temperature:

4049 K



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASURAMENT CONDITIONS:**

Beam angle:

Filter INT

Target:

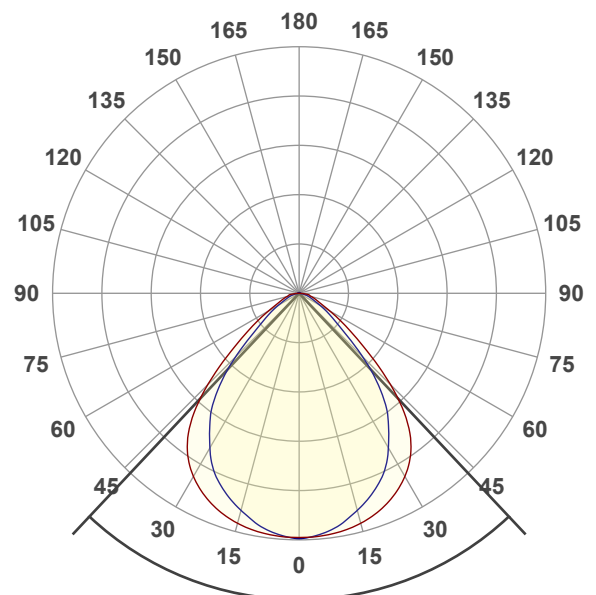
4000K

Operator:

Paolo Carvone

Date and time:

22/08/2022 18:19:26

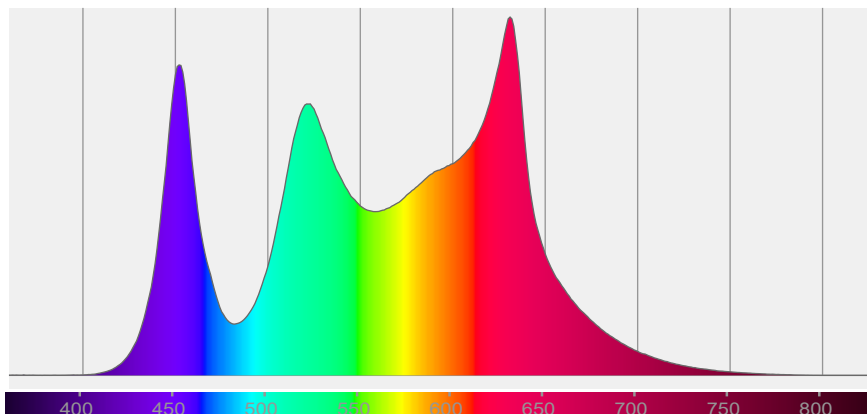


Beam angle 50%: 86,4°

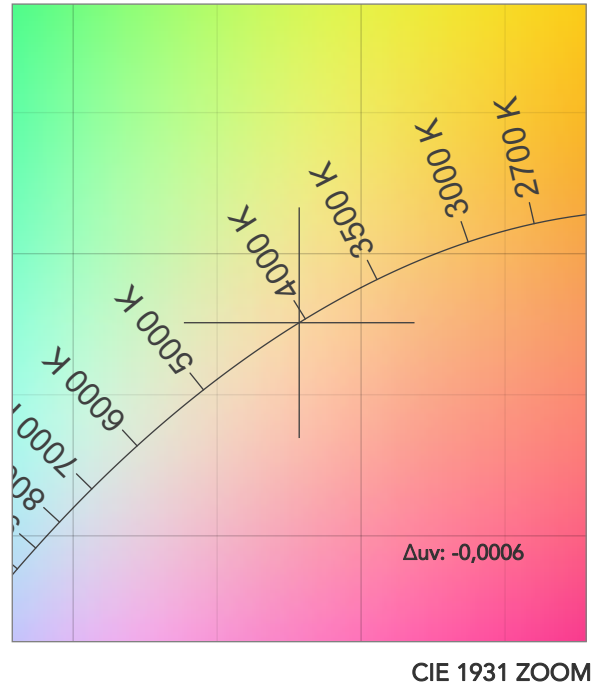
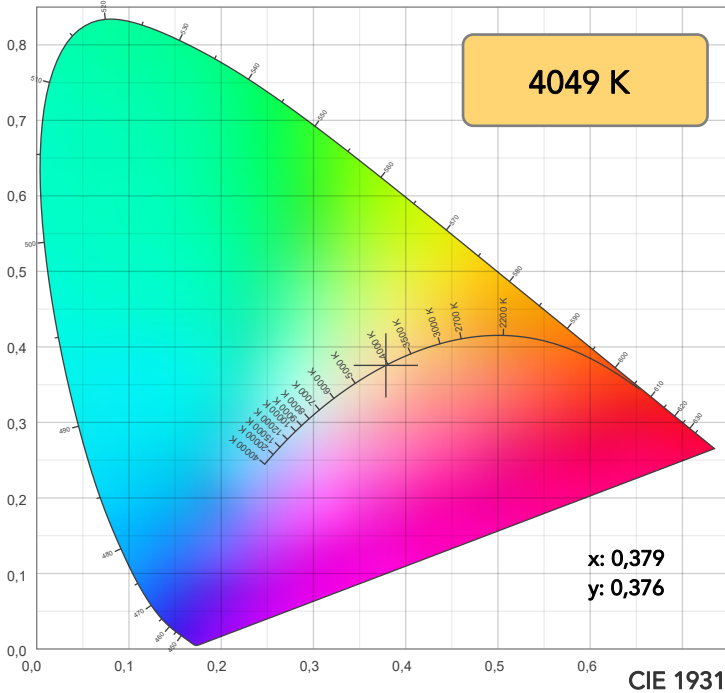
Field angle 10%: 124,4°

Cut off angle 2.5%: 160,3°

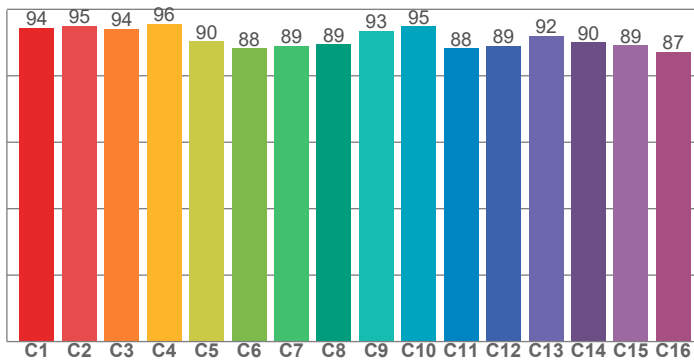
Spectra



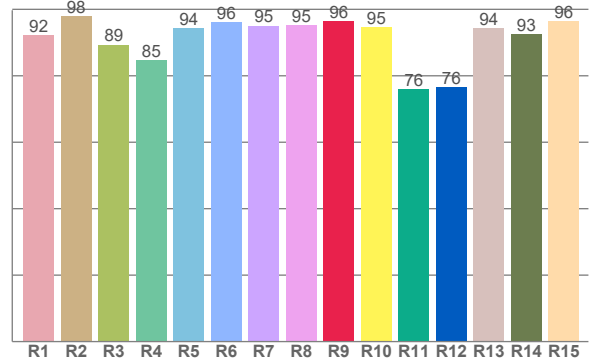




TM30: 91,6



CRI: 93,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92,3	97,9	89,4	84,8	94,3	96,2	95,0	95,3	96,3	94,6	75,9	76,5	94,4	92,5	96,5

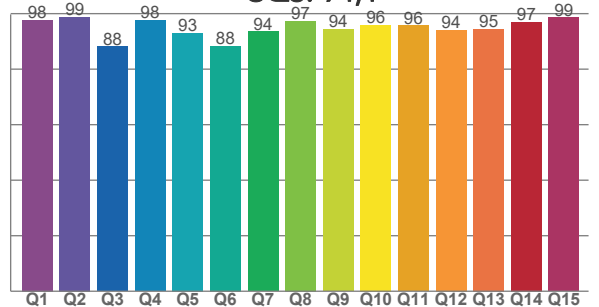
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,4	95,0	94,1	95,7	90,4	88,3	89,0	89,5	93,5	94,8	88,2	89,0	92,0	90,0	89,1	87,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,7	98,8	88,1	97,6	93,0	88,3	93,6	97,3	94,4	96,0	95,7	94,1	94,5	97,0	98,6

CQS: 94,1



COLOR PARAMETERS

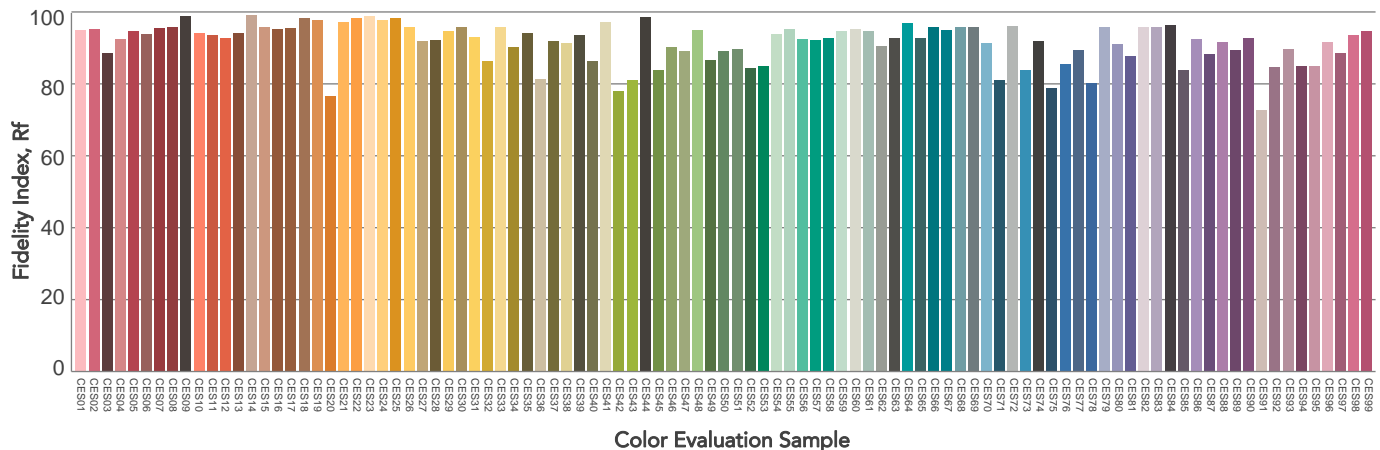
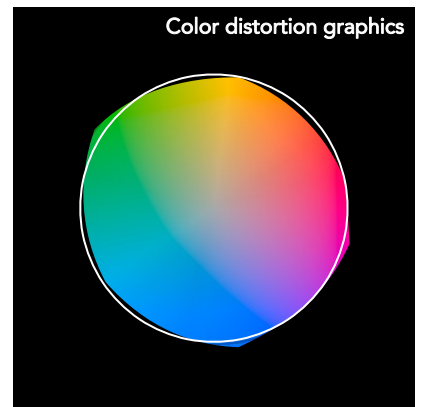
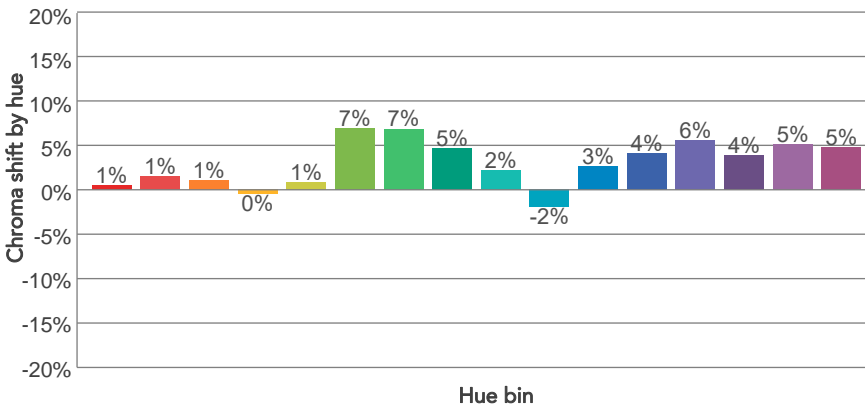
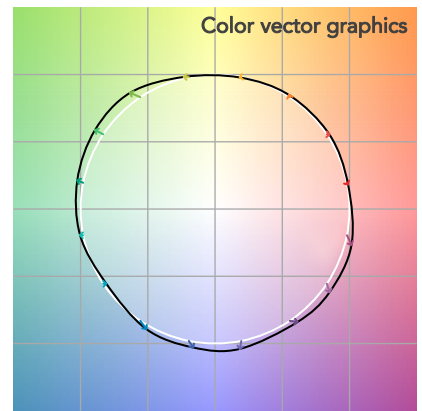
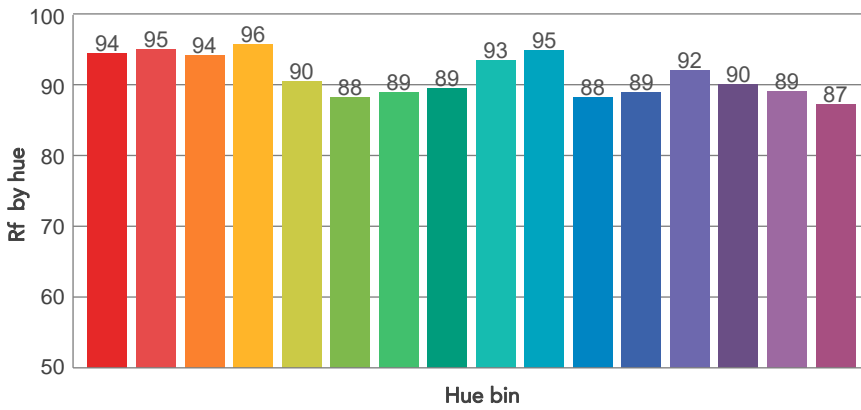
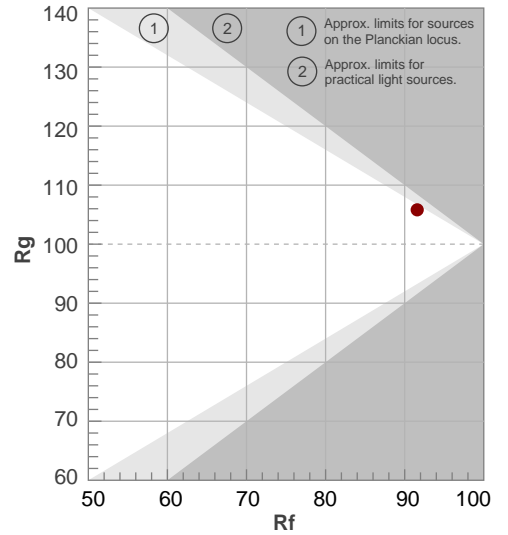
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
4049 K	93,1	96,3	91,6	105,8	94,1	82	0,379	0,376	-0,0006

# TM30 DETAILS

**Rf 91,6**  
Fidelity index Rf

**Rg 105,8**  
Gammut index

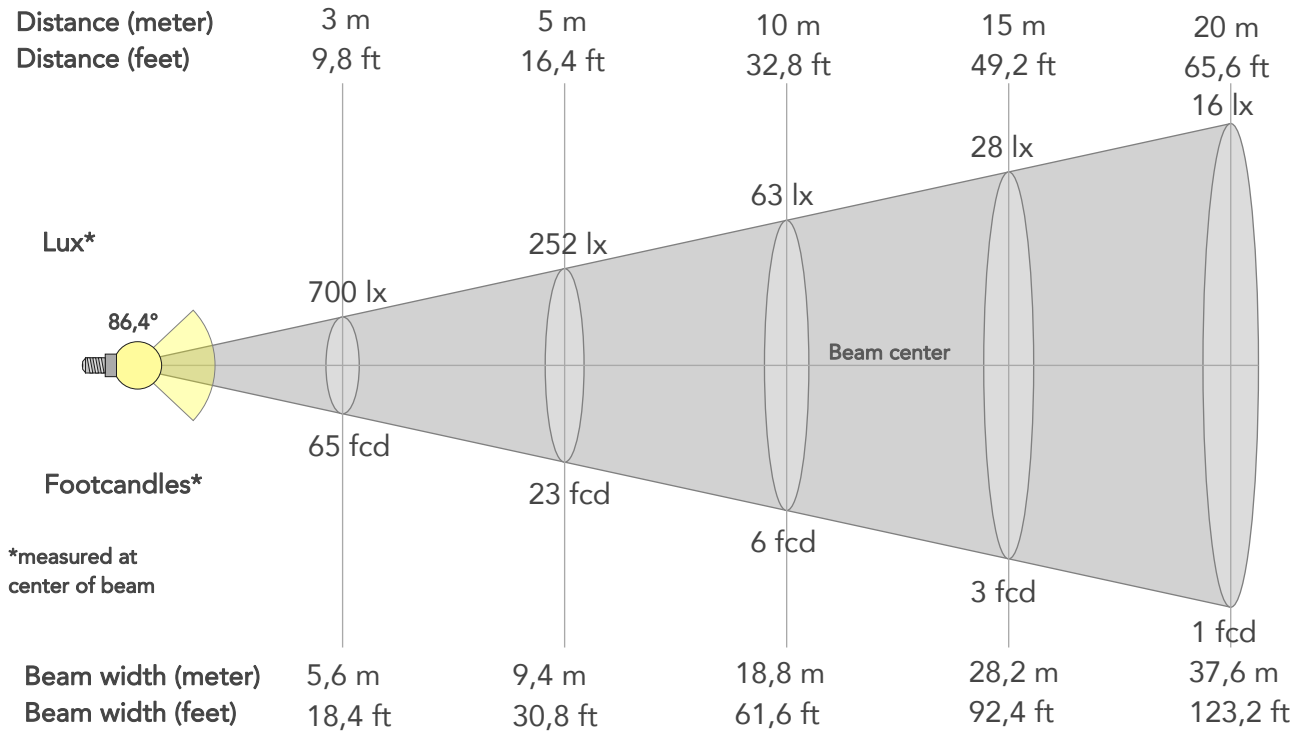
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	1%	-1%
2	95	1%	-1%
3	94	1%	1%
4	96	0%	1%
5	90	1%	4%
6	88	7%	4%
7	89	7%	1%
8	89	5%	-1%
9	93	2%	-1%
10	95	-2%	1%
11	88	3%	7%
12	89	4%	4%
13	92	6%	-2%
14	90	4%	4%
15	89	5%	-4%
16	87	5%	-6%



# BEAM DETAILS



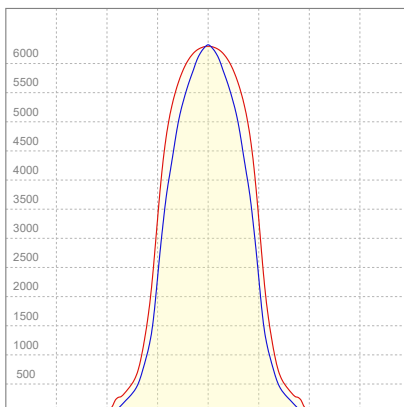
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
86,4°	124,4°	160,3°	92,4%	75,1%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6302lx	1576lx	700lx	394lx	252lx	112lx	63lx	28lx	16lx	10lx	7lx	4lx	3lx
Footcand.	585fcd	146fcd	65fcd	37fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,9m	3,8m	5,6m	7,5m	9,4m	14,1m	18,8m	28,2m	37,6m	47m	56,4m	75,2m	93,9m
Beam wid.	6,2ft	12,4ft	18,4ft	24,6ft	30,8ft	46,2ft	61,6ft	92,4ft	123,2ft	154,1ft	184,9ft	246,5ft	308,1ft

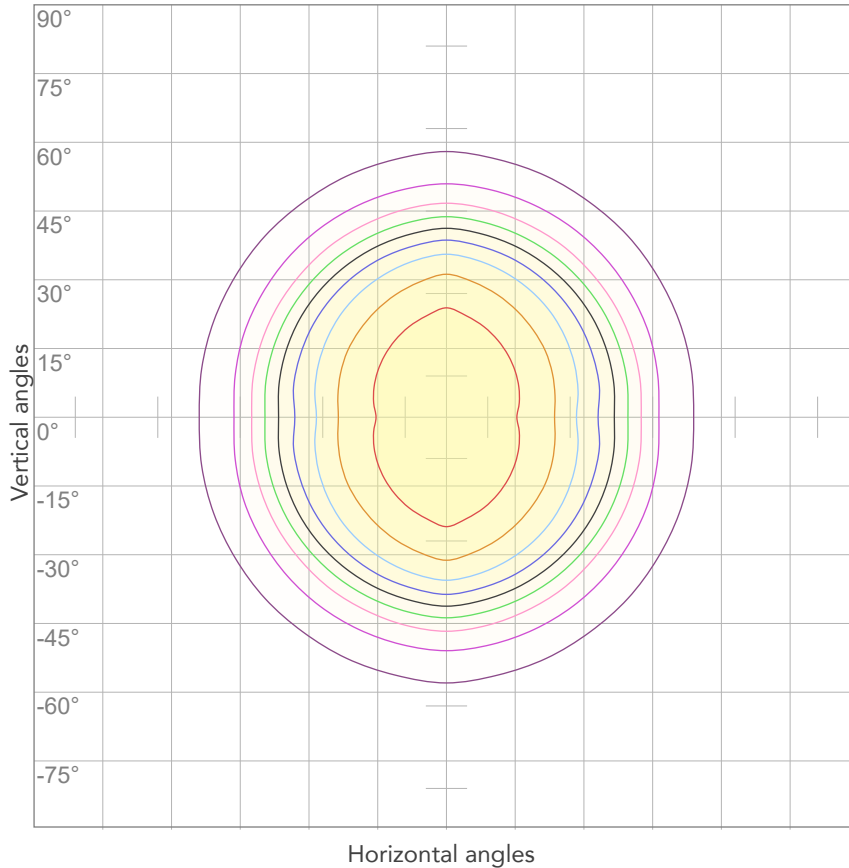
## LINEAR DISTRIBUTION DIAGRAM



## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	0,633A	127,5W	92lm/W

## ISO CANDELA DIAGRAM



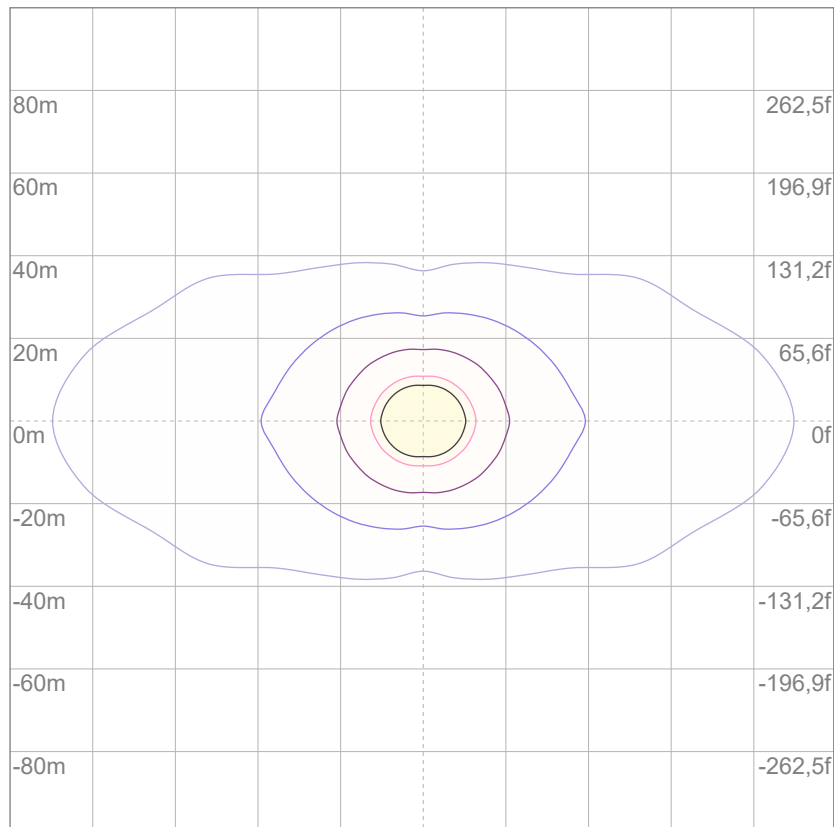
10%	630 cd
20%	1260 cd
30%	1891 cd
40%	2521 cd
50%	3151 cd
60%	3781 cd
70%	4412 cd
80%	5042 cd

Conditions:

Number of c-planes: 4

Candela at center: 6302 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,89 lx
5%	3,15 lx
10%	6,30 lx
30%	18,9 lx
50%	31,5 lx

Conditions:

Number of c-planes: 4

Lux at center: 63,0 lx

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

Total lumen output:

9519 lm

Peak candela output:

3258 cd

Light quality:

CRI: 90,7

Color temperature:

5612 K



PRODUCT NAME:

ECLSOFTLINEARIP

MEASURAMENT CONDITIONS:

Beam angle:

Filter HD

Target:

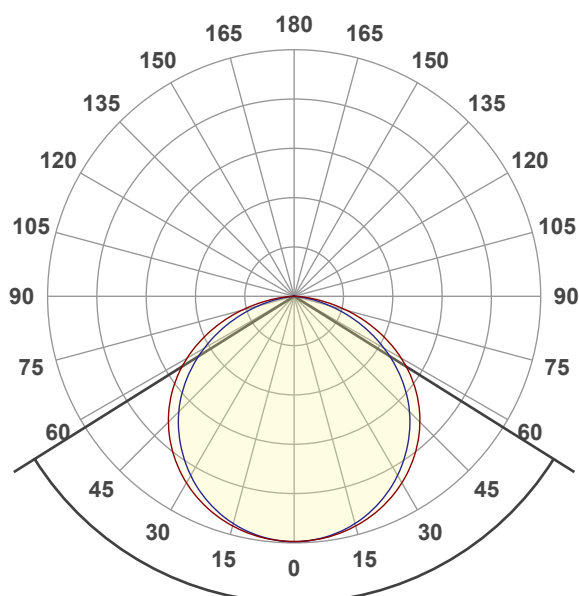
5600K

Operator:

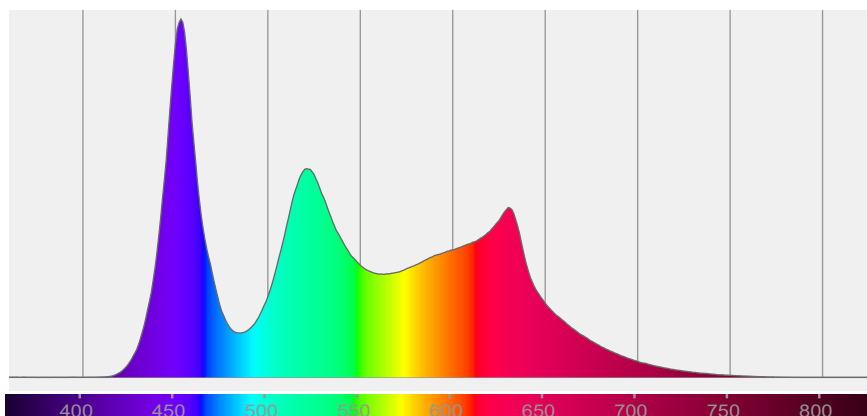
Paolo Carvone

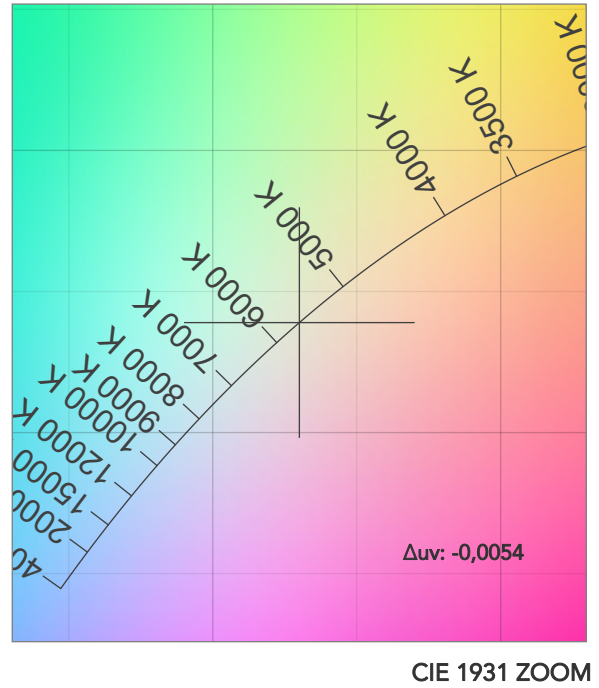
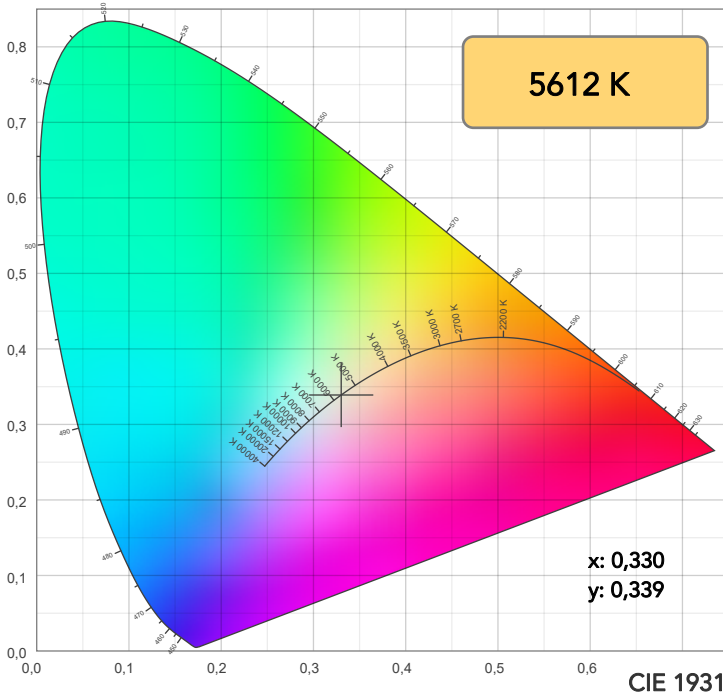
Date and time:

22/08/2022 17:51:34



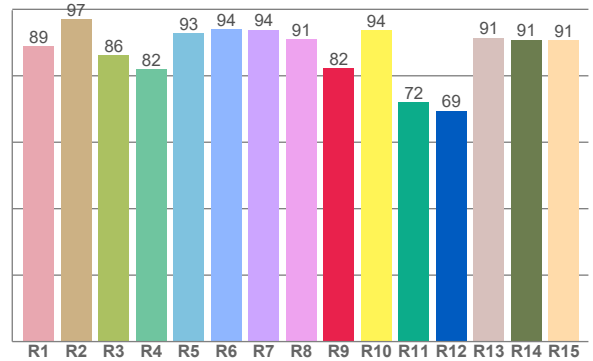
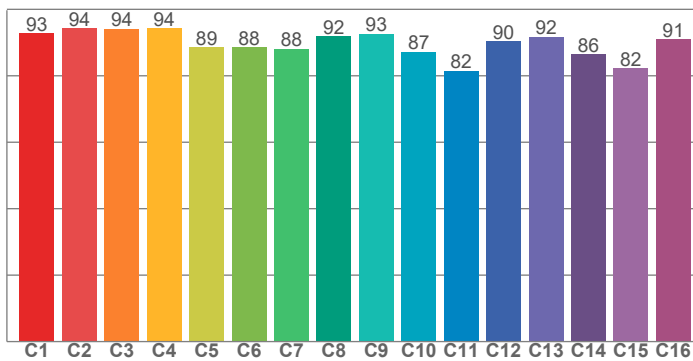
Spectra





TM30: 89,7

CRI: 90,7 (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
88,9	97,0	86,1	82,1	92,9	94,0	93,8	91,0	82,2	93,7	72,0	69,5	91,5	90,8	90,8

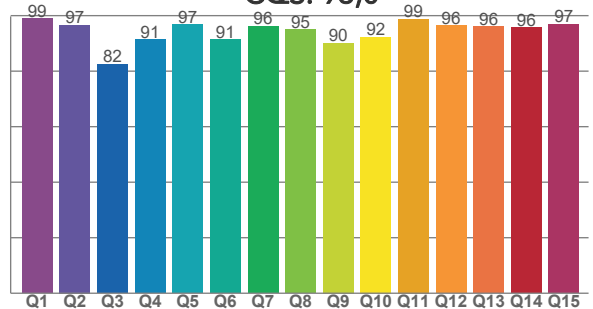
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,7	94,2	94,1	94,2	88,6	88,5	88,0	91,8	92,6	87,2	81,5	90,4	91,7	86,4	82,3	91,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,0	96,6	82,4	91,3	96,7	91,3	96,2	94,9	90,2	92,4	98,8	96,4	96,0	95,7	96,9

CQS: 93,0



COLOR PARAMETERS

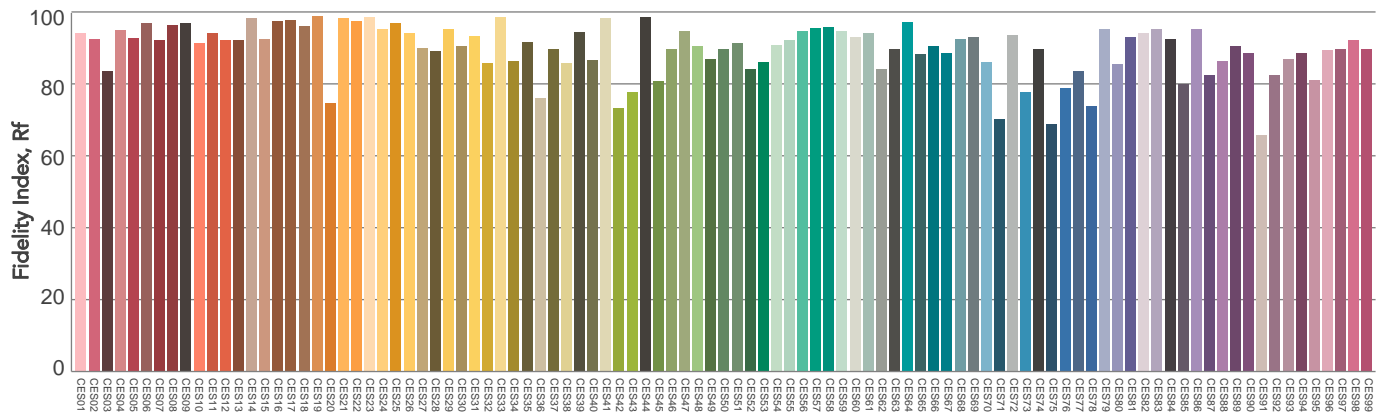
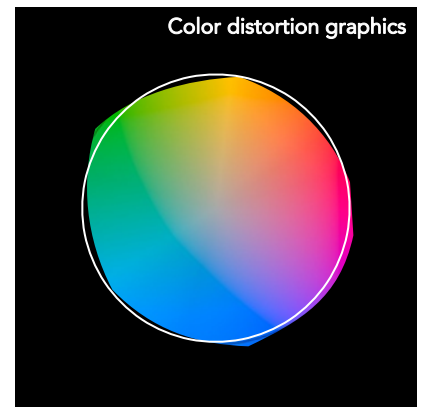
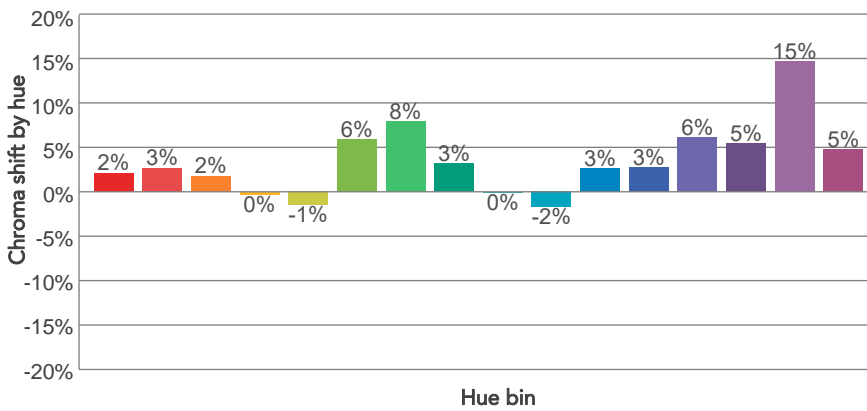
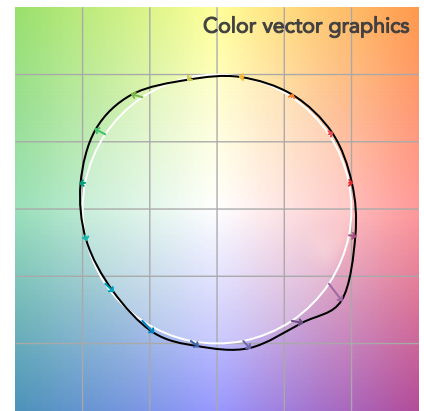
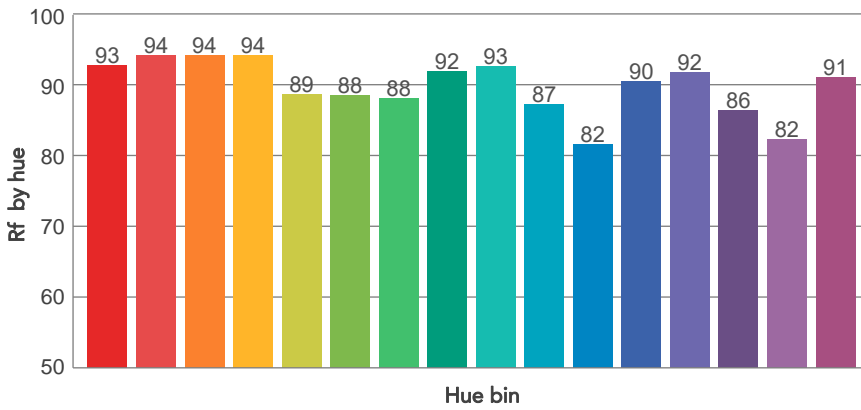
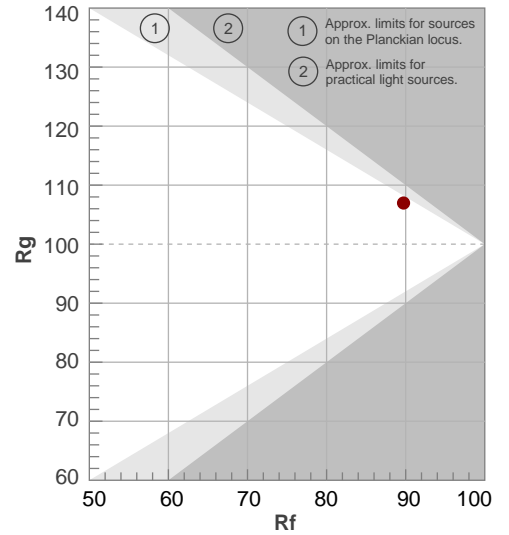
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5612 K	90,7	82,2	89,7	107,0	93,0	86	0,330	0,339	-0,0054

# TM30 DETAILS

**Rf 89,7**  
Fidelity index Rf

**Rg 107,0**  
Gammut index

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

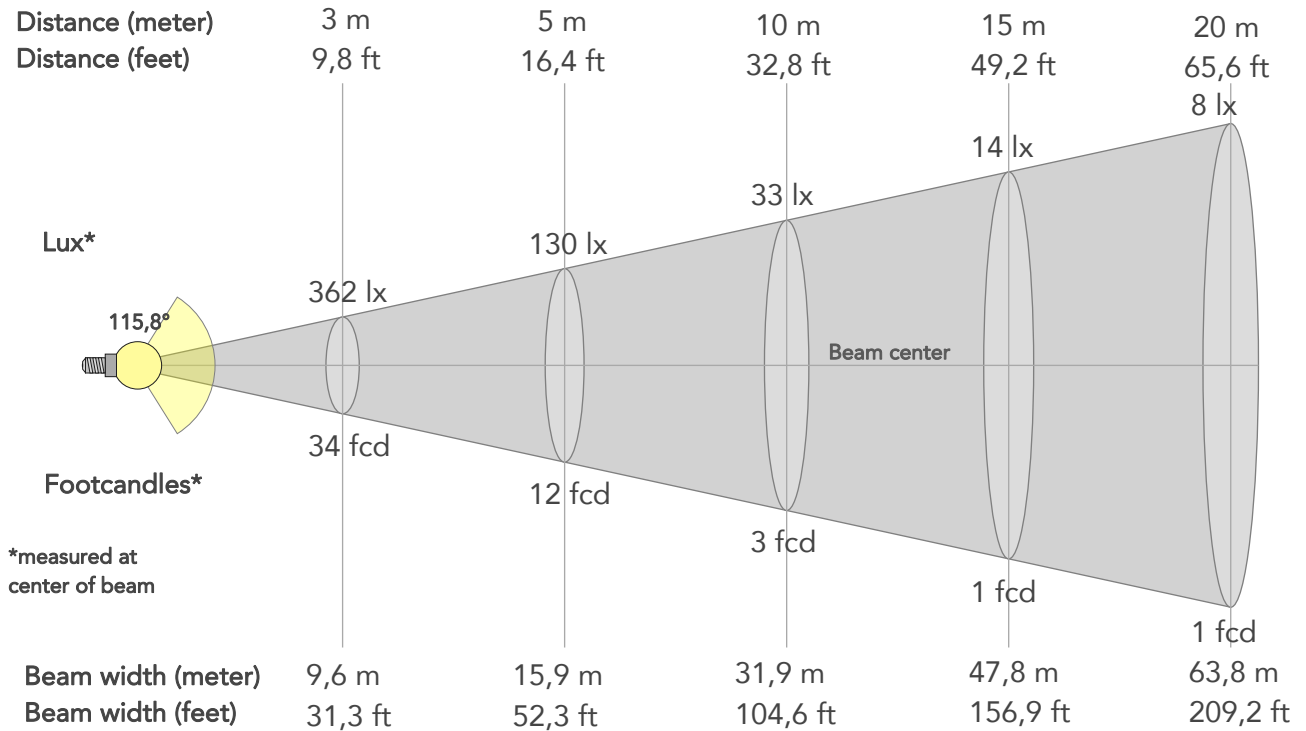


Color Evaluation Sample

# BEAM DETAILS



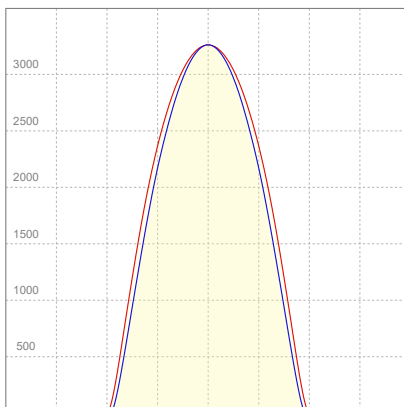
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
115,8°	159,5°	169,7°	79,4%	53,5%



## 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	3258lx	815lx	362lx	204lx	130lx	58lx	33lx	14lx	8lx	5lx	4lx	2lx	1lx
Footcand.	303fcd	76fcd	34fcd	19fcd	12fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	3,2m	6,4m	9,6m	12,8m	15,9m	23,9m	31,9m	47,8m	63,8m	79,7m	95,7m	127,6m	159,5m
Beam wid.	10,5ft	21ft	31,3ft	41,8ft	52,3ft	78,5ft	104,6ft	156,9ft	209,2ft	261,5ft	313,8ft	418,4ft	523ft

## LINEAR DISTRIBUTION DIAGRAM

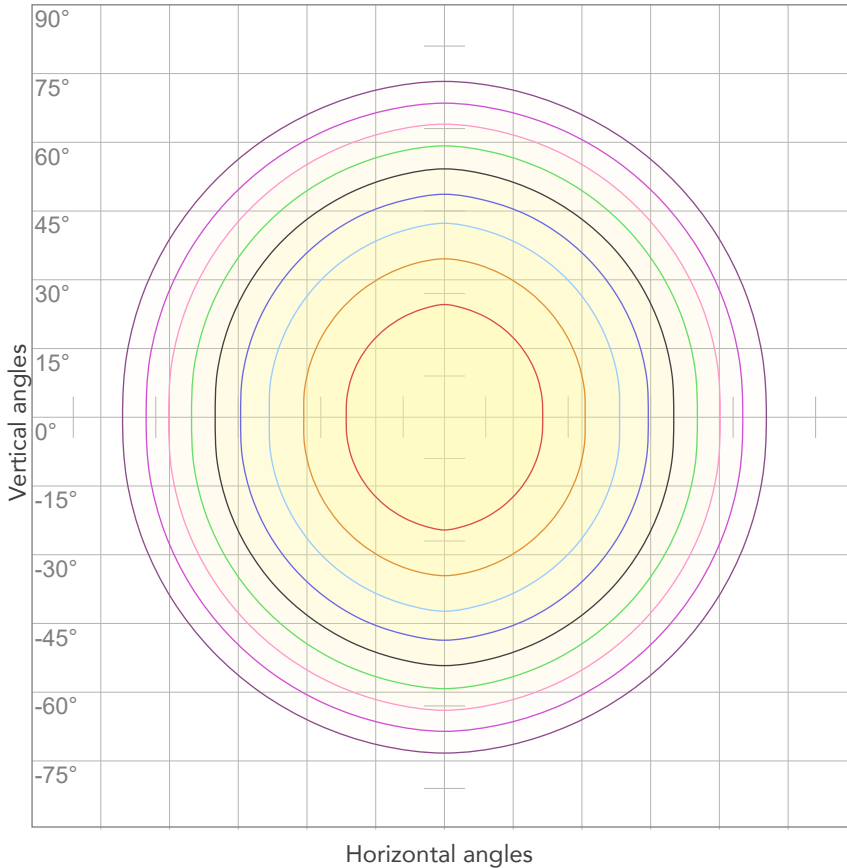


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	1,09A	235,9W	40lm/W



## ISO CANDELA DIAGRAM



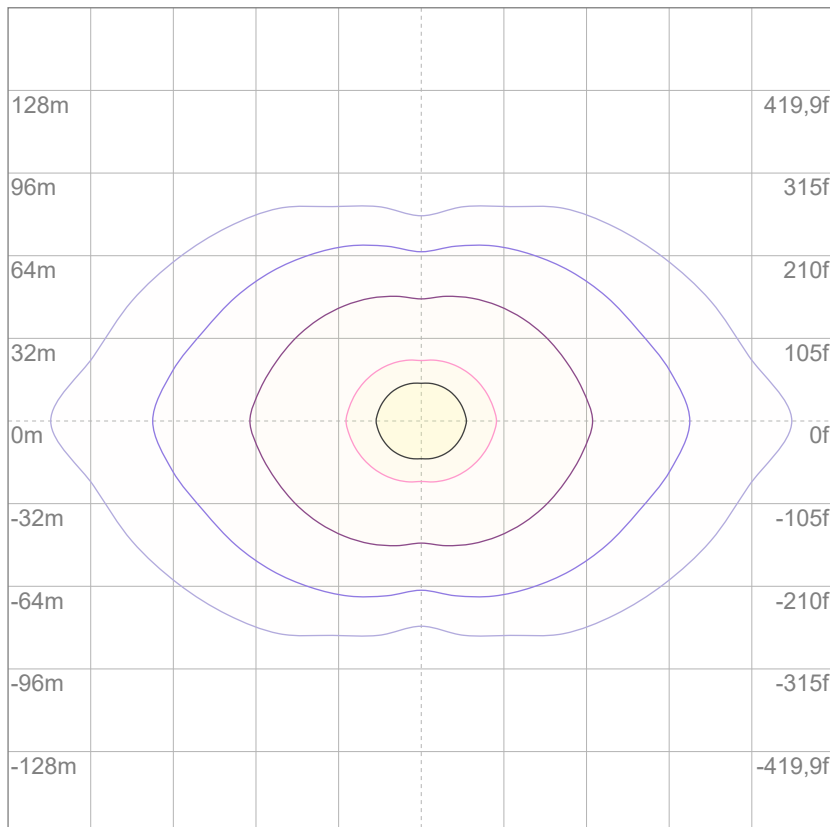
10%	326 cd
20%	652 cd
30%	977 cd
40%	1303 cd
50%	1629 cd
60%	1955 cd
70%	2281 cd
80%	2607 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 3258 cd

## ISO LUX DIAGRAM



3%	0,977 lx
5%	1,63 lx
10%	3,26 lx
30%	9,77 lx
50%	16,3 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 32,6 lx

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

Mounting height: 10 meters (33 feet)

Total lumen output:

11615 lm

Peak candela output:

4548 cd

Light quality:

CRI: 91,9

Color temperature:

5637 K



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASURAMENT CONDITIONS:**

Beam angle:

Filter MD

Target:

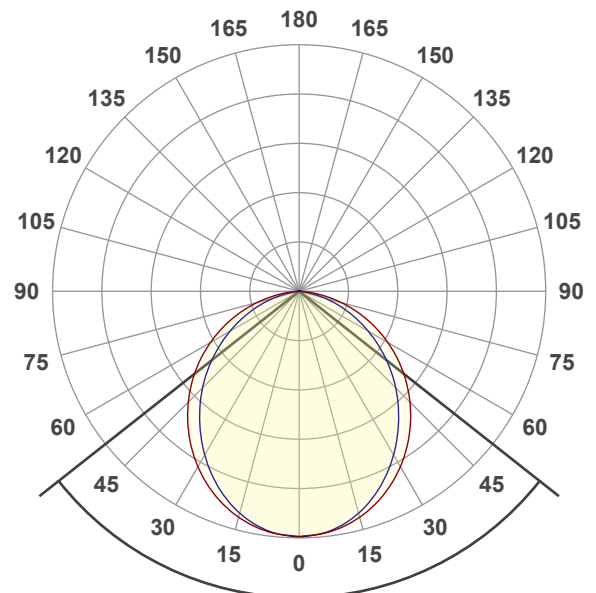
5600K

Operator:

Paolo Carvone

Date and time:

22/08/2022 16:36:44

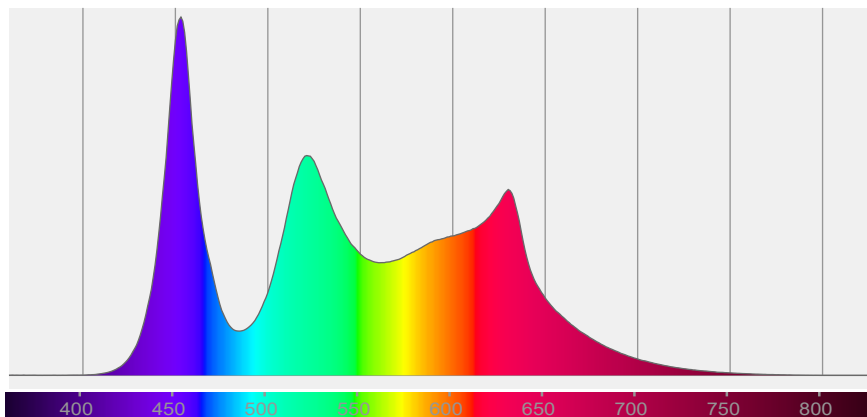


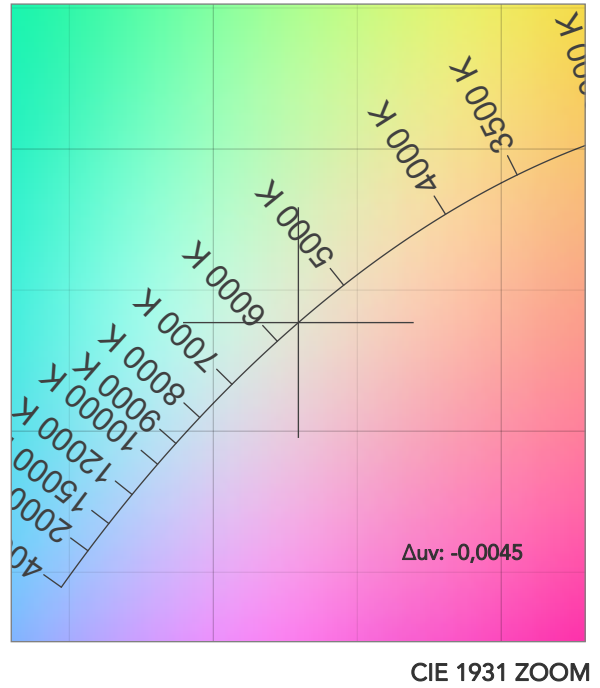
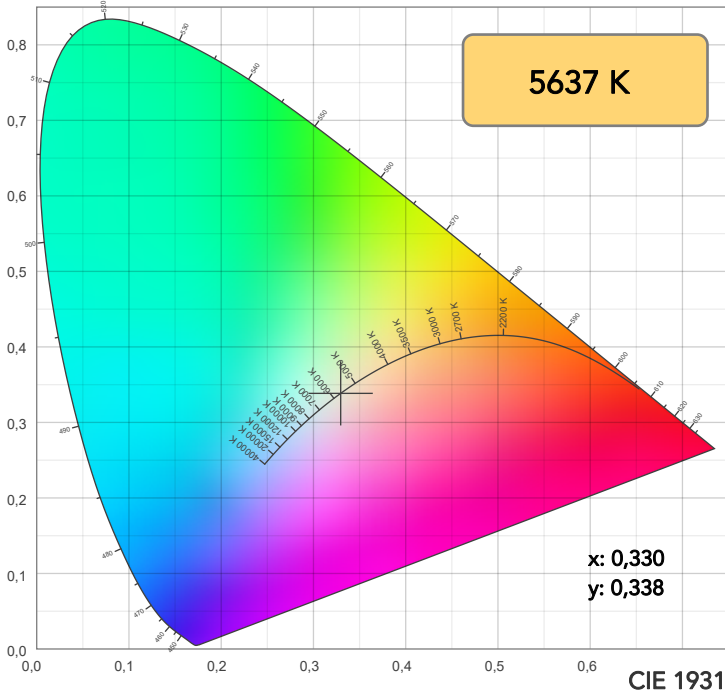
Beam angle 50%: 103,5°

Field angle 10%: 155,7°

Cut off angle 2.5%: 168,4°

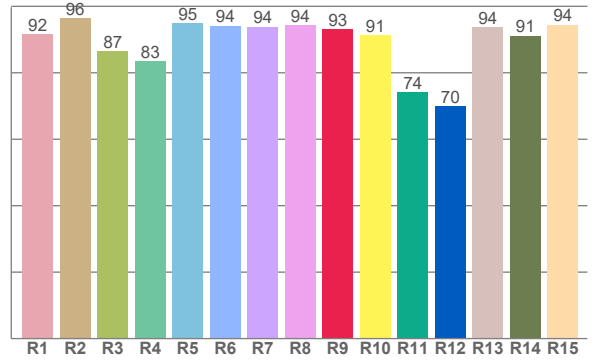
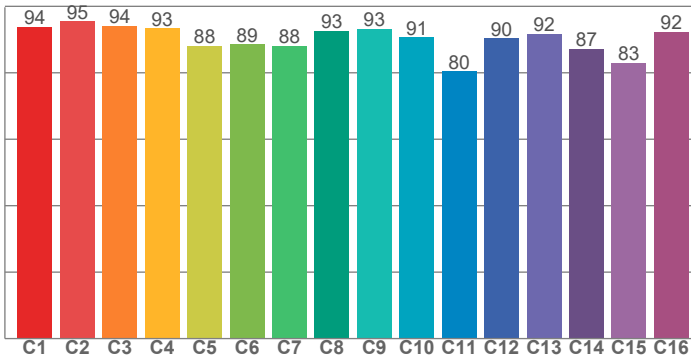
Spectra





TM30: 90,1

CRI: 91,9 (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
91,5	96,3	86,5	83,5	94,8	94,1	93,9	94,4	93,1	91,3	74,1	69,9	93,8	91,1	94,4

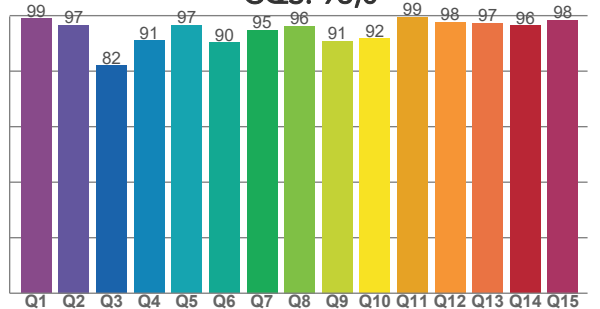
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,9	95,5	94,1	93,3	88,2	88,6	88,0	92,6	93,2	90,6	80,4	90,4	91,7	87,2	83,0	92,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,9	96,6	82,0	91,1	96,5	90,3	94,8	96,2	90,9	91,7	99,4	97,8	97,2	96,4	98,5

CQS: 93,0



COLOR PARAMETERS

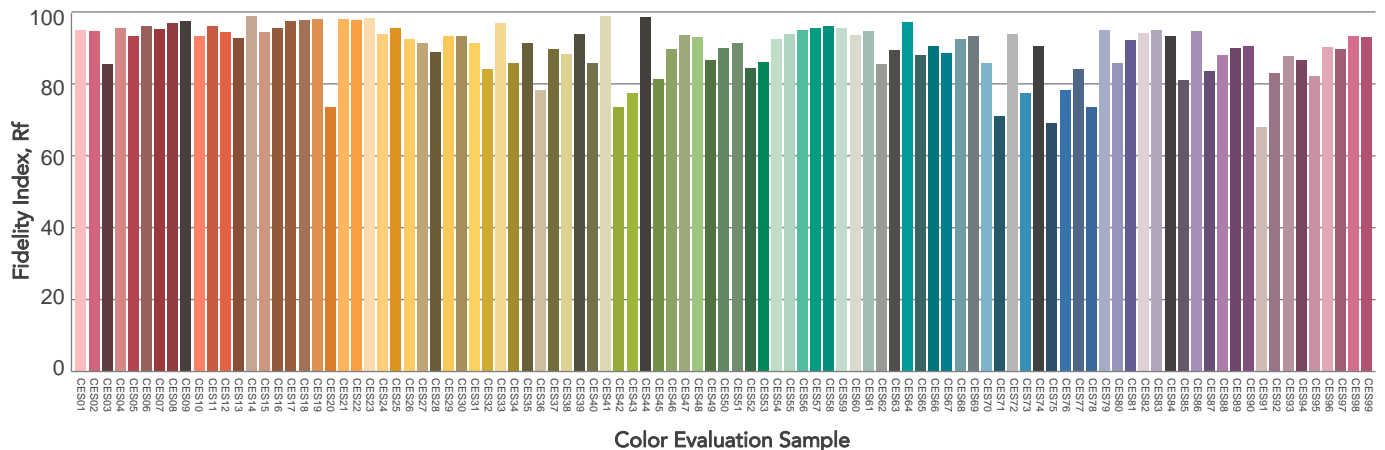
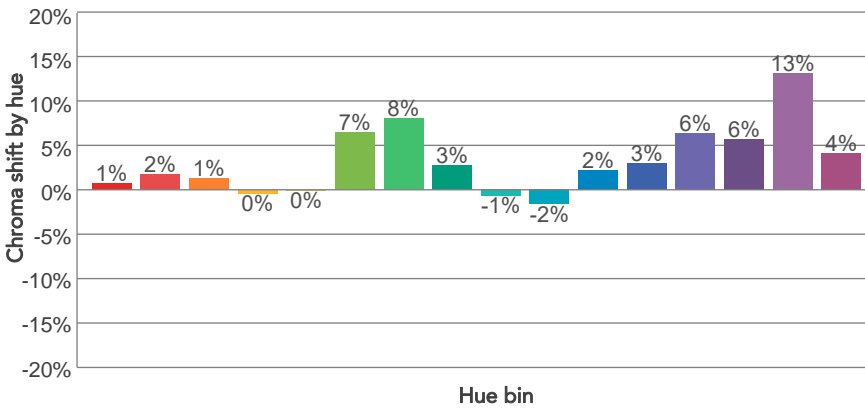
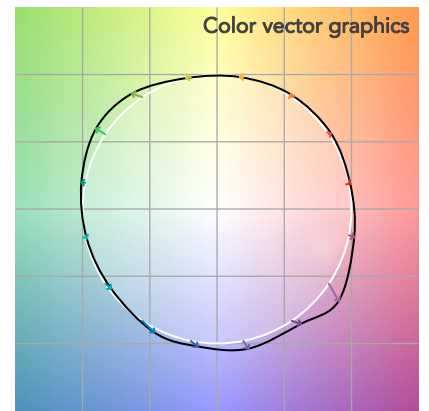
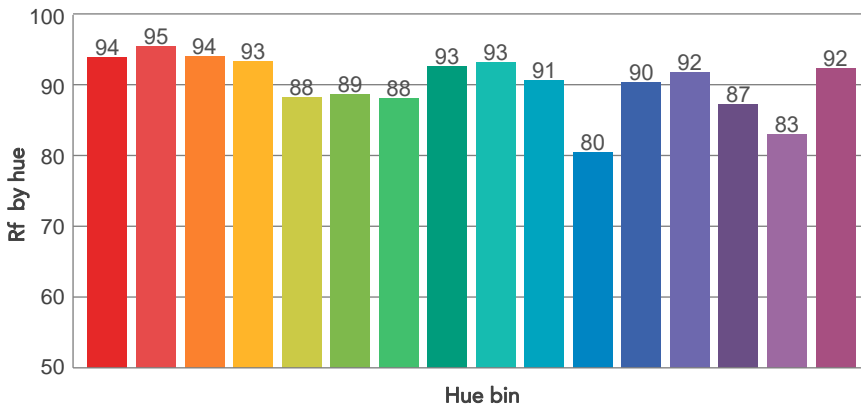
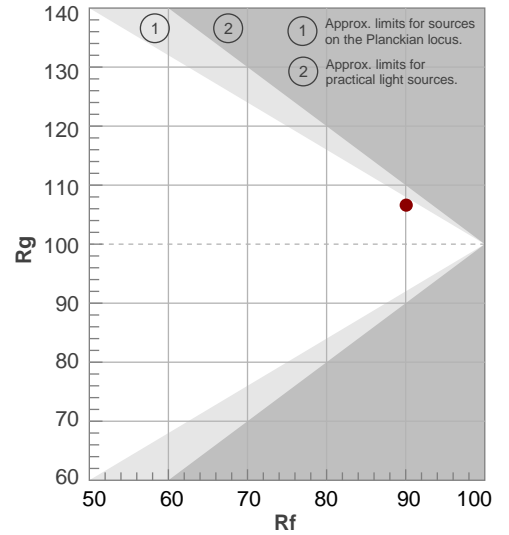
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5637 K	91,9	93,1	90,1	106,6	93,0	87	0,330	0,338	-0,0045

# TM30 DETAILS

**Rf 90,1**  
Fidelity index Rf

**Rg 106,6**  
Gammut index

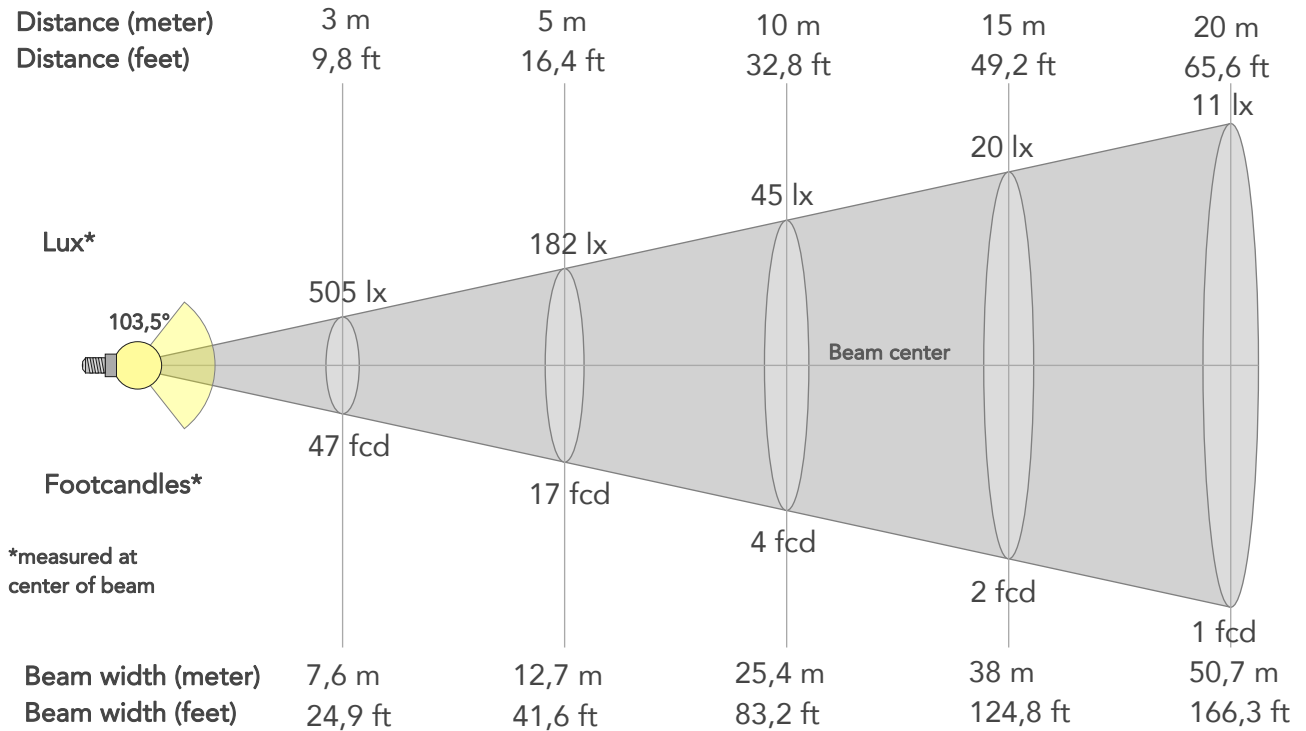
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	1%	-1%
2	95	2%	0%
3	94	1%	2%
4	93	0%	2%
5	88	0%	4%
6	89	7%	5%
7	88	8%	0%
8	93	3%	0%
9	93	-1%	3%
10	91	-2%	5%
11	80	2%	12%
12	90	3%	6%
13	92	6%	3%
14	87	6%	4%
15	83	13%	-7%
16	92	4%	-1%



# BEAM DETAILS



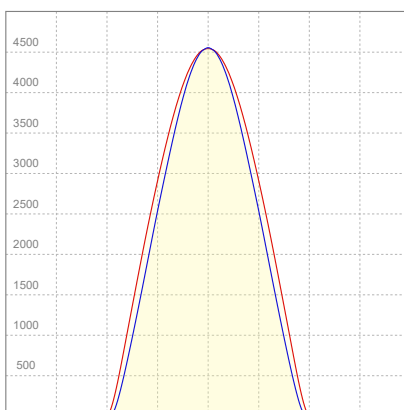
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
103,5°	155,7°	168,4°	81,3%	56,7%



## 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	4546lx	1137lx	505lx	284lx	182lx	81lx	45lx	20lx	11lx	7lx	5lx	3lx	2lx
Footcand.	422fcd	106fcd	47fcd	26fcd	17fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	2,5m	5,1m	7,6m	10,1m	12,7m	19m	25,4m	38m	50,7m	63,4m	76,1m	101,4m	126,8m
Beam wid.	8,4ft	16,7ft	24,9ft	33,2ft	41,6ft	62,4ft	83,2ft	124,8ft	166,3ft	207,9ft	249,5ft	332,7ft	415,9ft

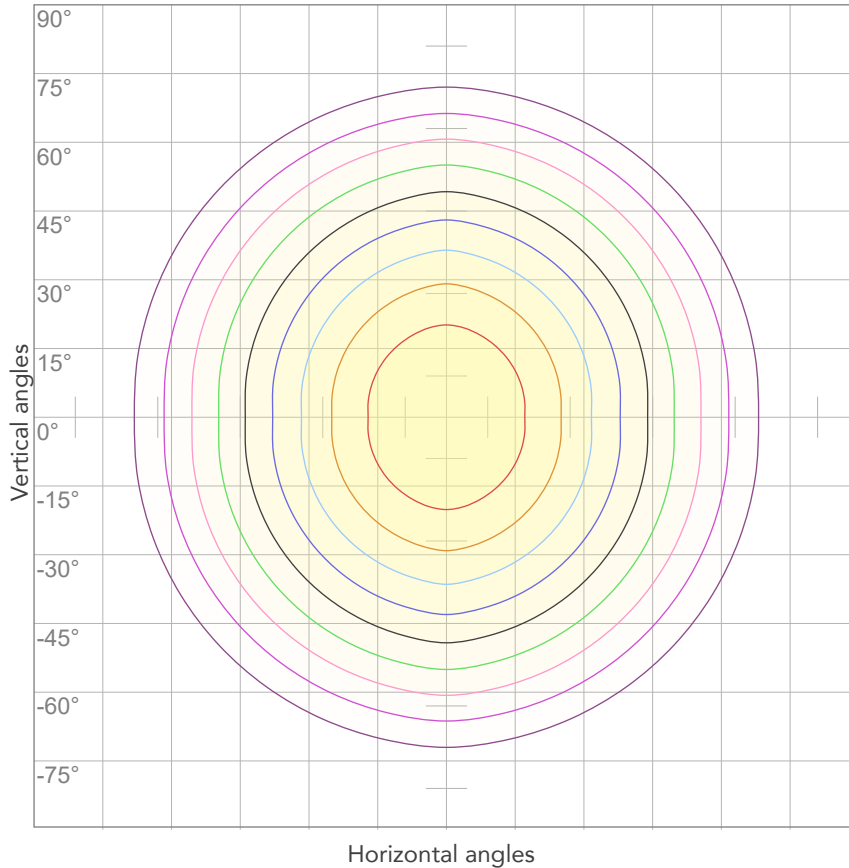
## LINEAR DISTRIBUTION DIAGRAM



## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	1,09A	236,5W	49lm/W

## ISO CANDELA DIAGRAM



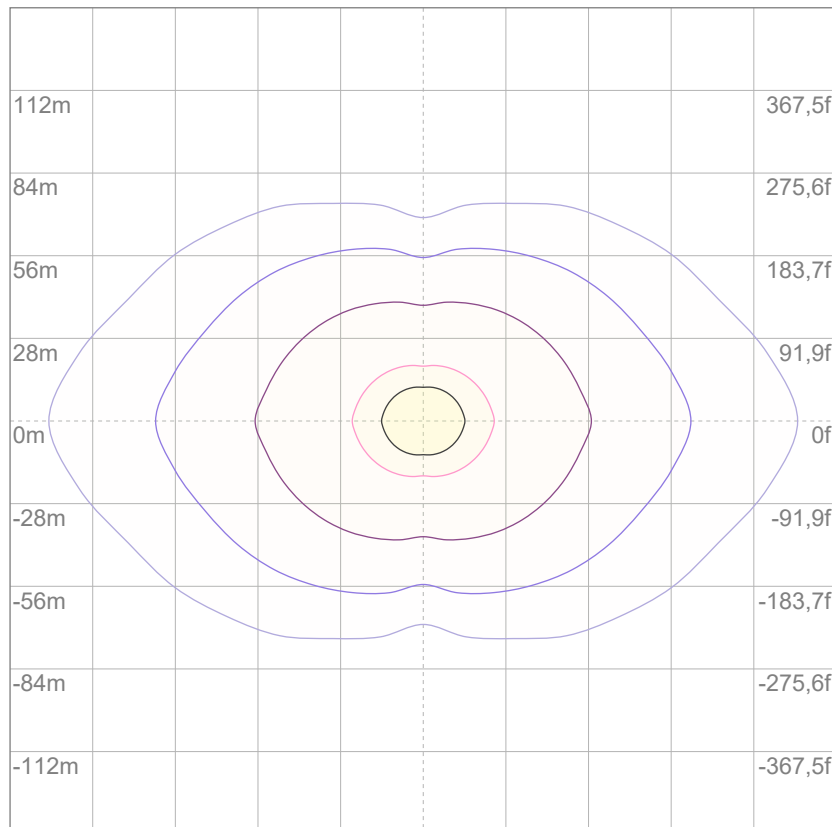
10%	455 cd
20%	909 cd
30%	1364 cd
40%	1818 cd
50%	2273 cd
60%	2728 cd
70%	3182 cd
80%	3637 cd

Conditions:

Number of c-planes: 4

Candela at center: 4546 cd

## ISO LUX DIAGRAM



3%	1,36 lx
5%	2,27 lx
10%	4,55 lx
30%	13,6 lx
50%	22,7 lx

Conditions:

Number of c-planes: 4

Lux at center: 45,5 lx

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

Total lumen output:

12553 lm

Peak candela output:

5312 cd

Light quality:

CRI: 91,5

Color temperature:

5638 K



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASURAMENT CONDITIONS:**

Beam angle:

Filter LD

Target:

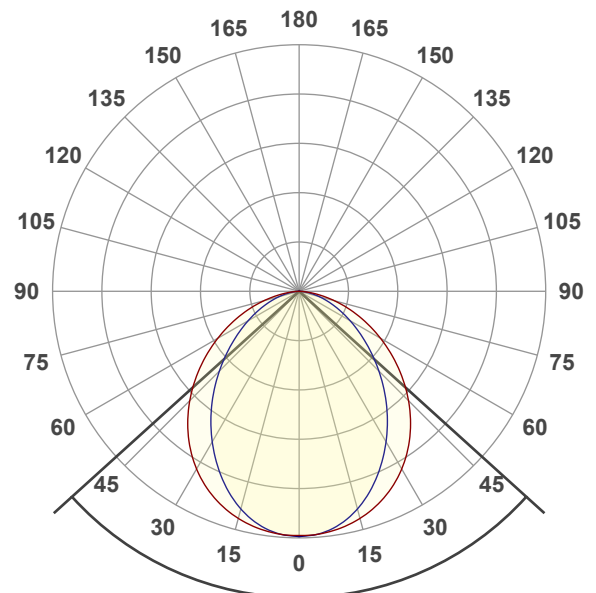
5600K

Operator:

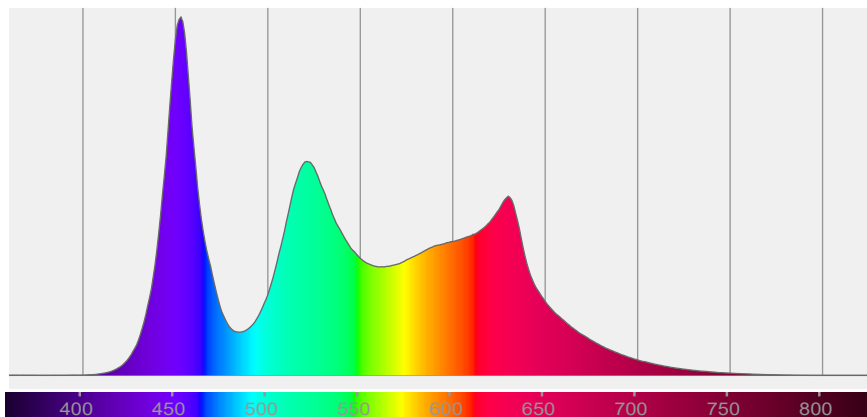
Paolo Carvone

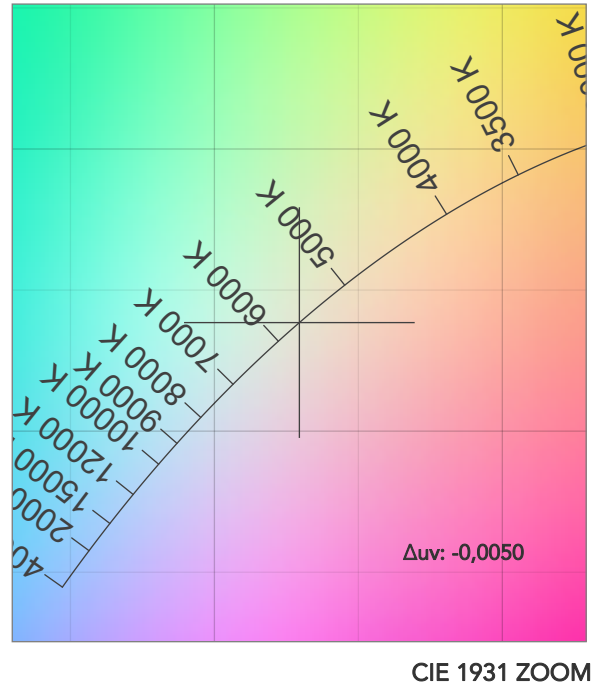
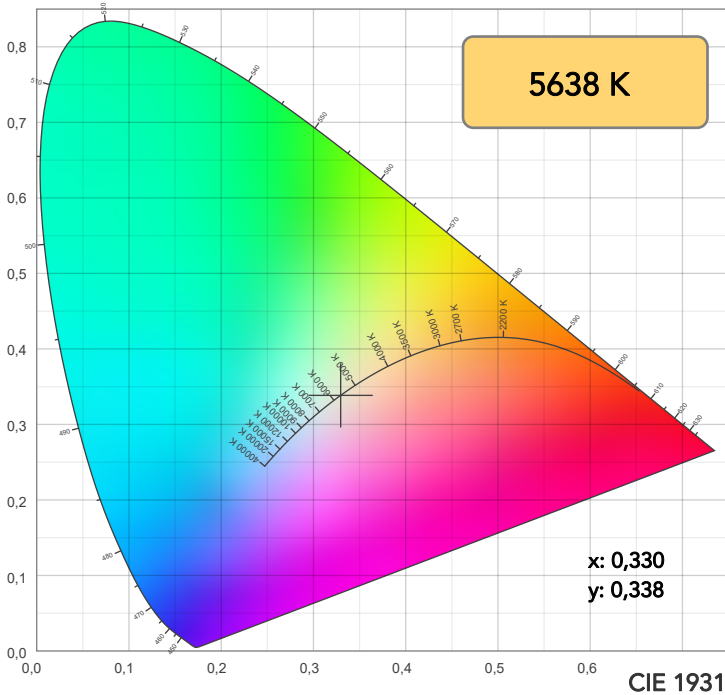
Date and time:

23/08/2022 11:16:43



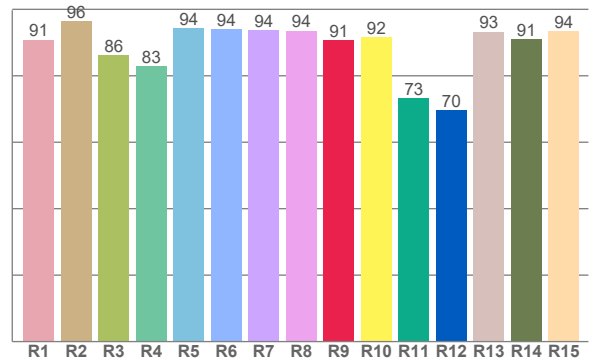
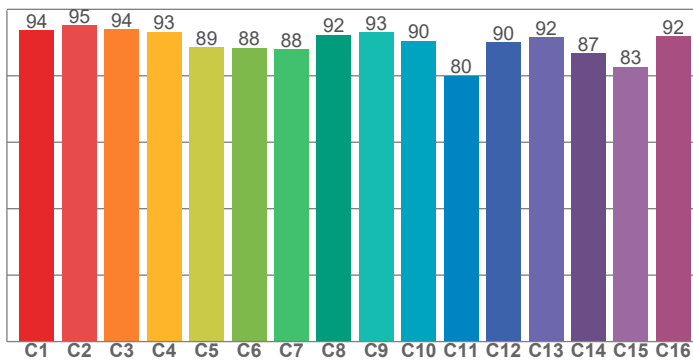
Spectra





TM30: 89,9

CRI: 91,5 (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
90,9	96,3	86,2	82,9	94,4	94,0	93,7	93,6	90,7	91,6	73,3	69,6	93,2	90,9	93,5

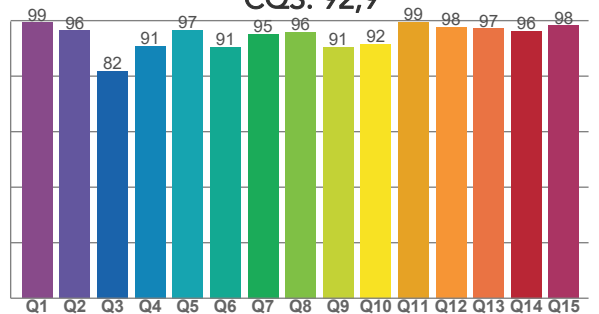
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,7	95,2	94,0	93,3	88,6	88,4	87,9	92,4	93,0	90,4	80,0	90,0	91,5	86,8	82,7	91,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,3	96,4	81,8	90,8	96,6	90,5	95,1	95,9	90,5	91,5	99,5	97,8	97,2	96,2	98,2

CQS: 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
5638 K	91,5	90,7	89,9	106,8	92,9	87	0,330	0,338	-0,0050

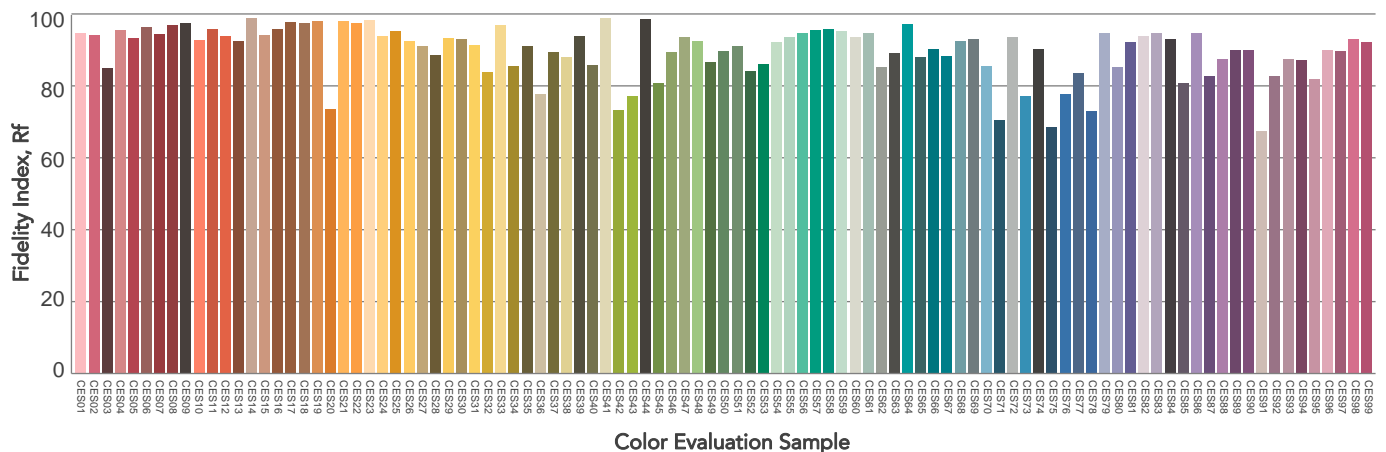
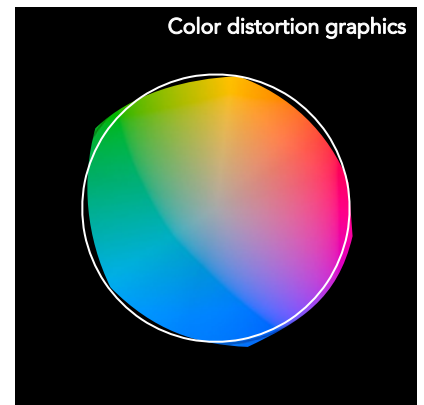
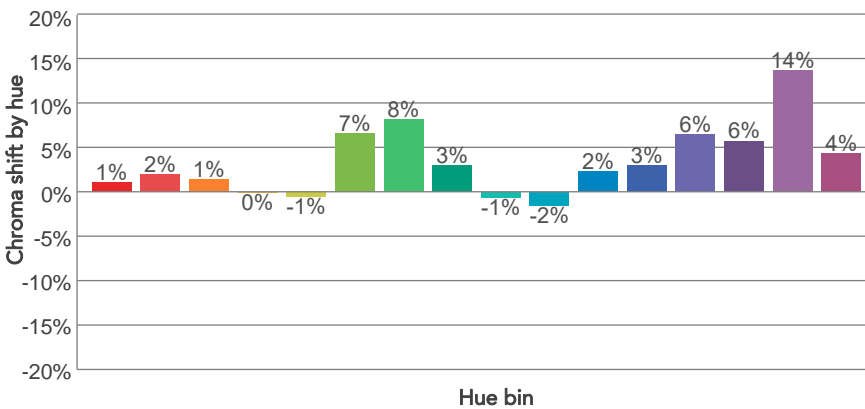
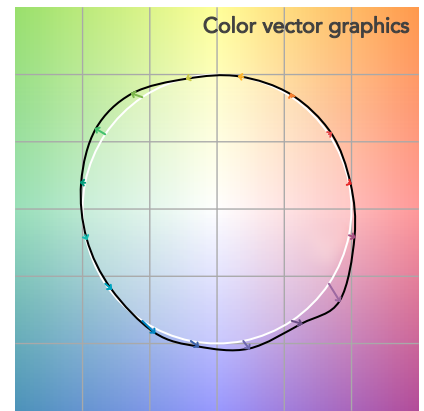
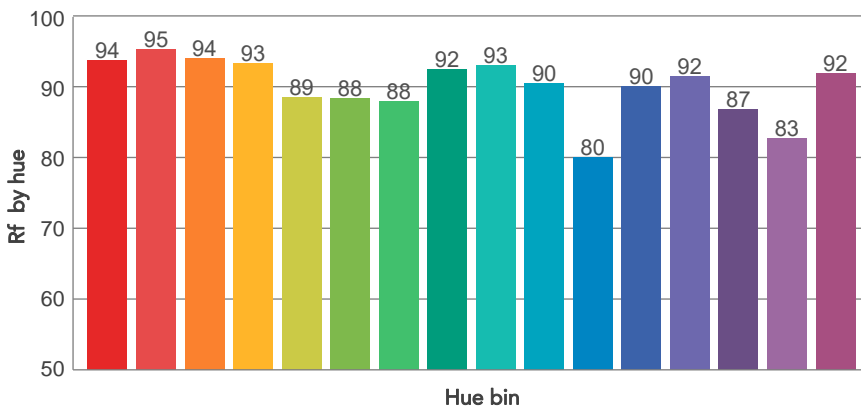
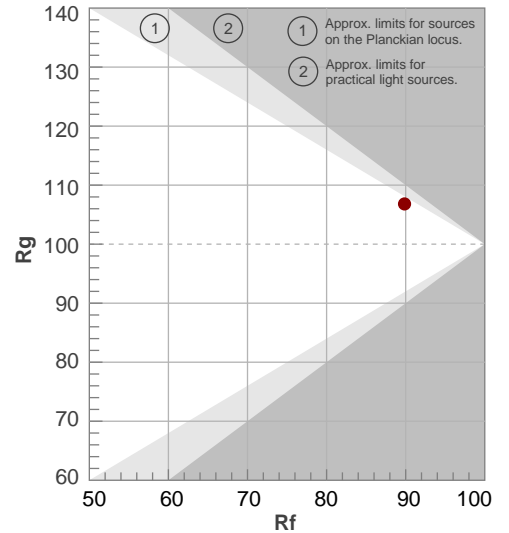


# TM30 DETAILS

**Rf 89,9**  
Fidelity index Rf

**Rg 106,8**  
Gammut index

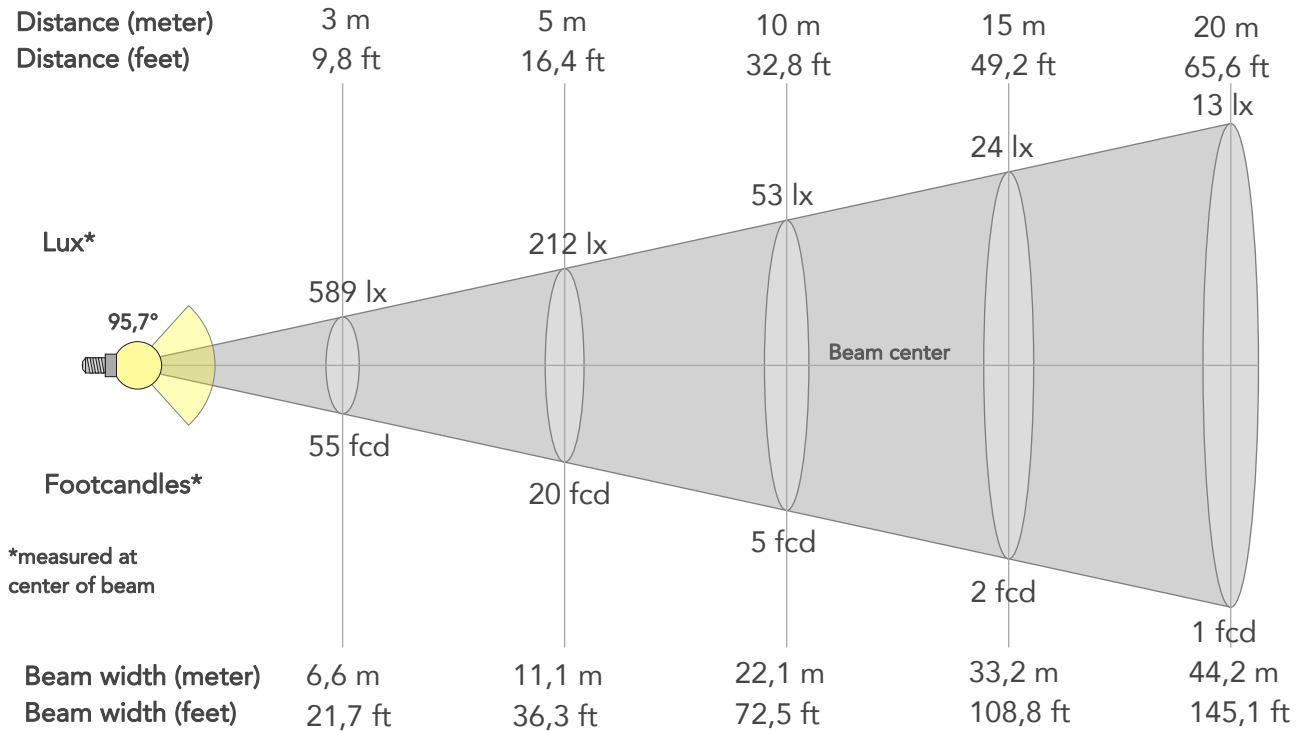
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	1%	-1%
2	95	2%	0%
3	94	1%	2%
4	93	0%	3%
5	89	-1%	3%
6	88	7%	5%
7	88	8%	0%
8	92	3%	0%
9	93	-1%	3%
10	90	-2%	6%
11	80	2%	12%
12	90	3%	6%
13	92	6%	3%
14	87	6%	5%
15	83	14%	-6%
16	92	4%	-1%



# BEAM DETAILS



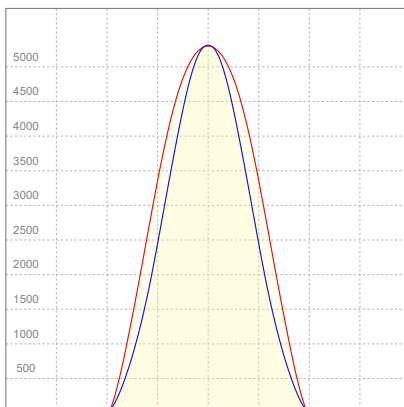
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
95,7°	151,9°	168,9°	82,5%	59,2%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5302lx	1326lx	589lx	331lx	212lx	94lx	53lx	24lx	13lx	8lx	6lx	3lx	2lx
Footcand.	493fcd	123fcd	55fcd	31fcd	20fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	2,2m	4,4m	6,6m	8,8m	11,1m	16,6m	22,1m	33,2m	44,2m	55,3m	66,3m	88,4m	110,6m
Beam wid.	7,3ft	14,6ft	21,7ft	29ft	36,3ft	54,4ft	72,5ft	108,8ft	145,1ft	181,3ft	217,6ft	290,1ft	362,6ft

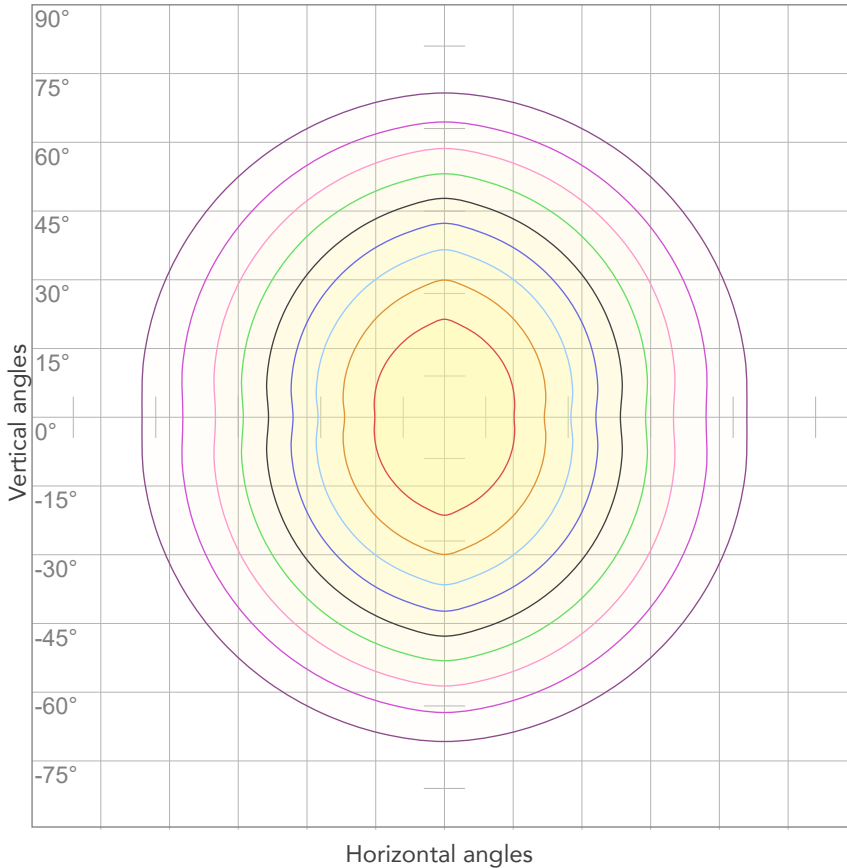
## LINEAR DISTRIBUTION DIAGRAM



## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	1,06A	229,8W	55lm/W

## ISO CANDELA DIAGRAM



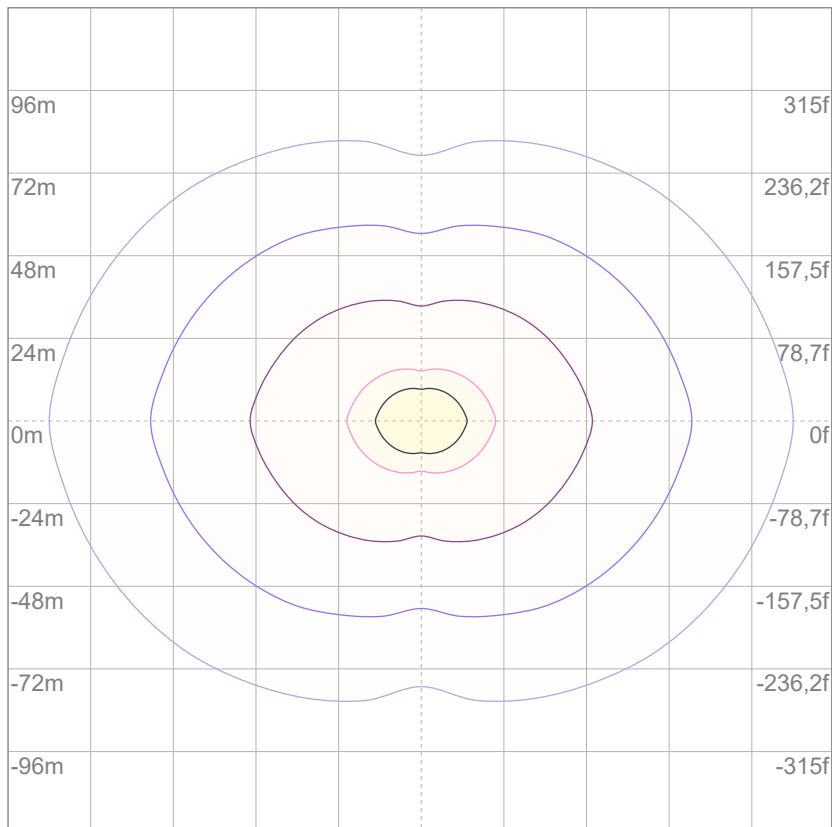
10%	530 cd
20%	1060 cd
30%	1591 cd
40%	2121 cd
50%	2651 cd
60%	3181 cd
70%	3712 cd
80%	4242 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 5302 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,59 lx
5%	2,65 lx
10%	5,30 lx
30%	15,9 lx
50%	26,5 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 53,0 lx

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

Total lumen output:

11401 lm

Peak candela output:

6120 cd

Light quality:

CRI: 91,9

Color temperature:

5641 K



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASURAMENT CONDITIONS:**

Beam angle:

Filter INT

Target:

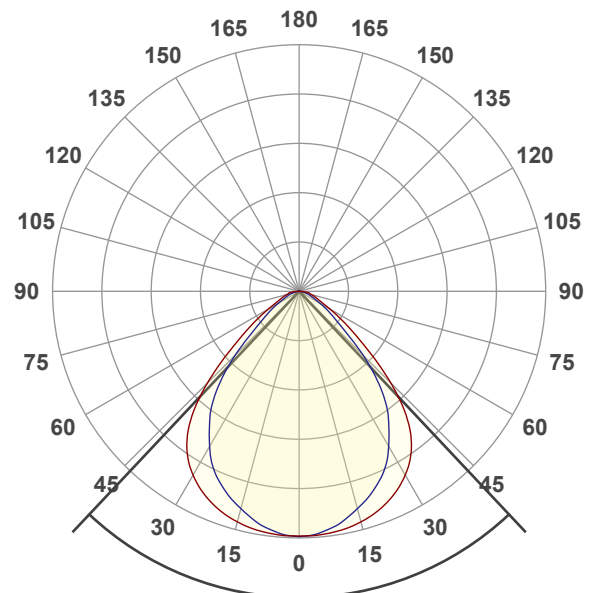
5600K

Operator:

Paolo Carvone

Date and time:

22/08/2022 18:21:15

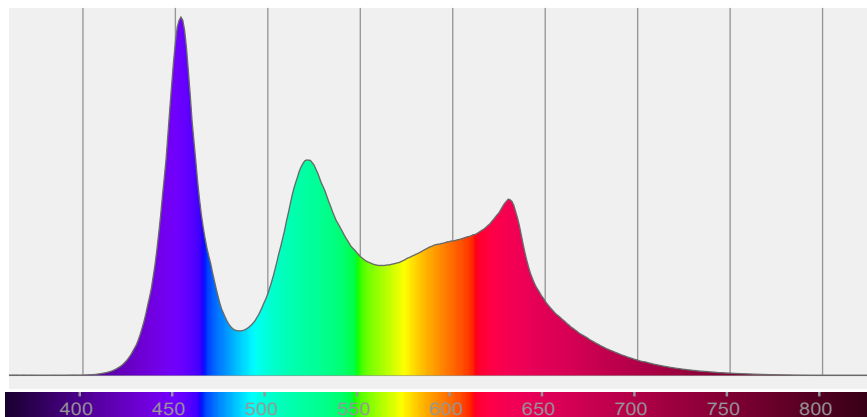


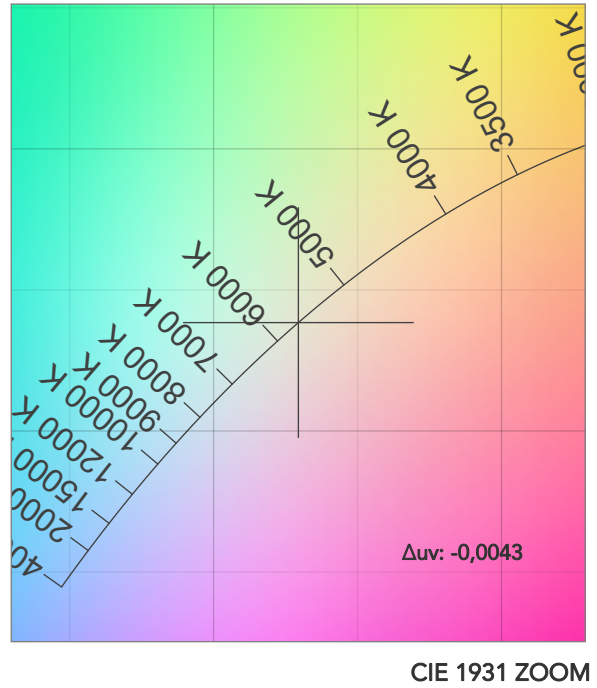
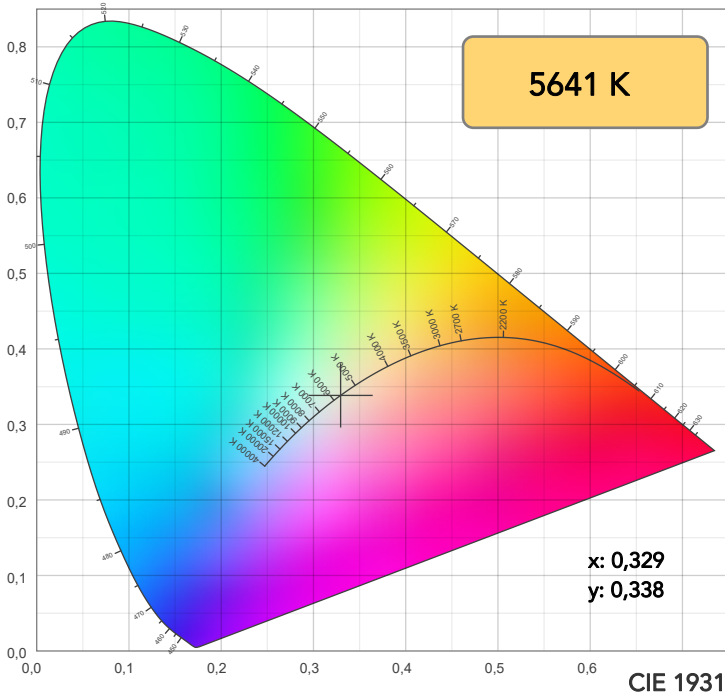
Beam angle 50%: 86,5°

Field angle 10%: 124,4°

Cut off angle 2.5%: 160,4°

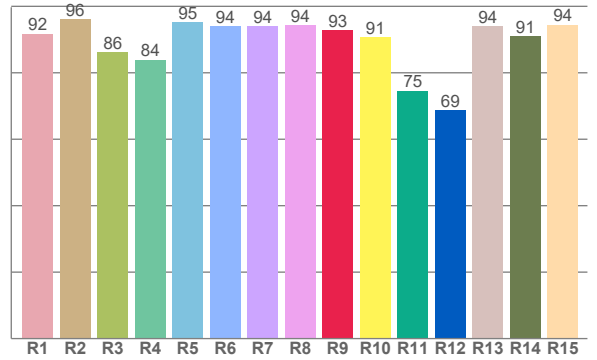
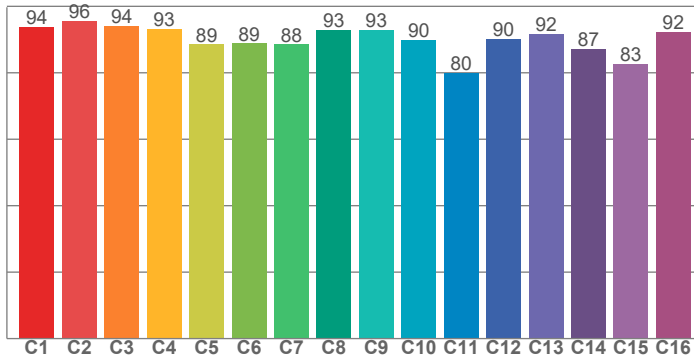
Spectra





TM30: 90,0

CRI: 91,9 (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
91,7	96,2	86,2	83,9	95,2	93,9	94,0	94,4	92,8	90,8	74,6	68,8	94,0	91,0	94,5

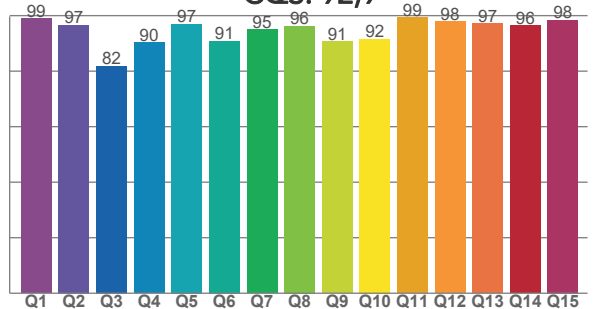
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,9	95,5	94,1	93,3	88,6	88,8	88,5	92,9	93,0	89,9	79,9	90,2	91,6	87,3	82,7	92,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,9	96,6	81,8	90,3	97,1	90,9	94,9	96,2	90,7	91,5	99,3	97,8	97,2	96,5	98,4

CQS: 92,9



COLOR PARAMETERS

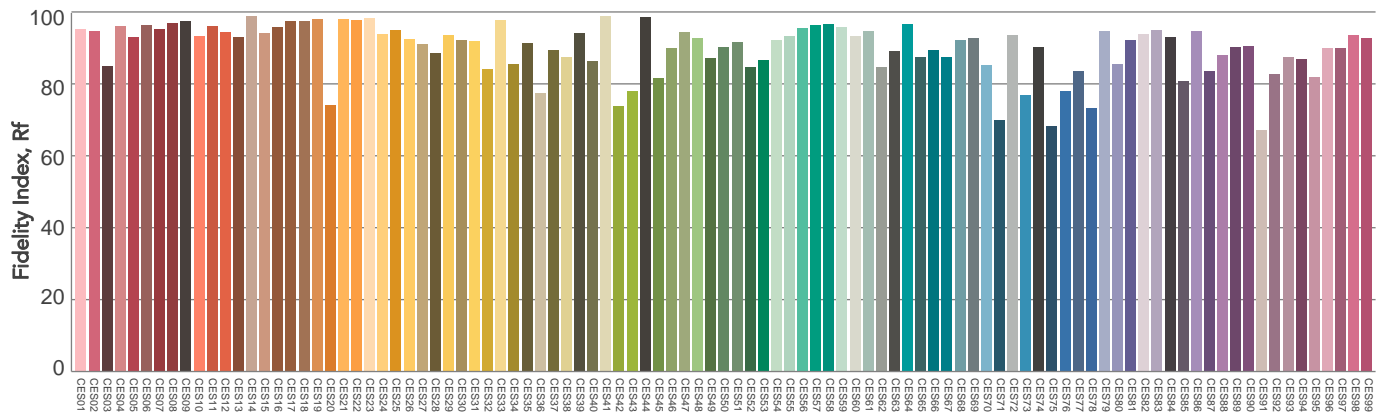
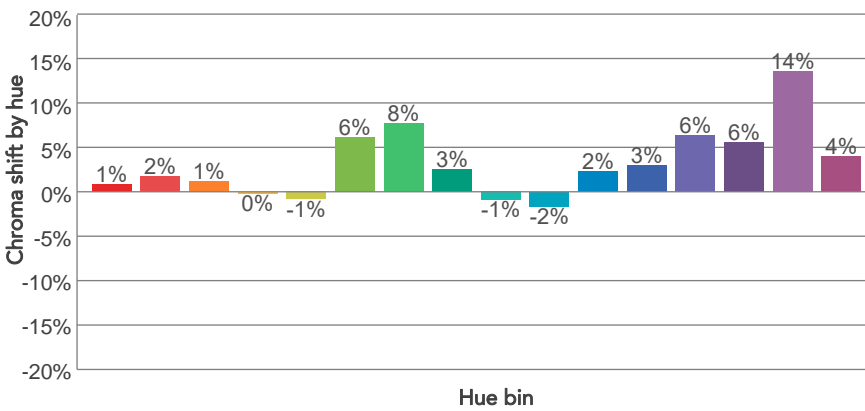
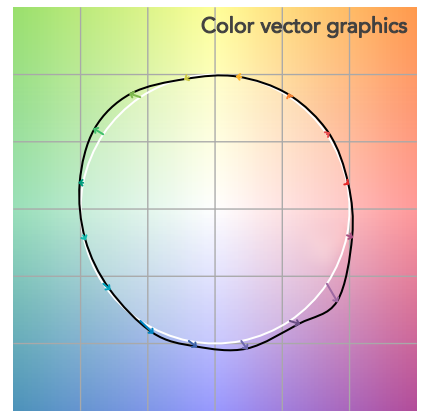
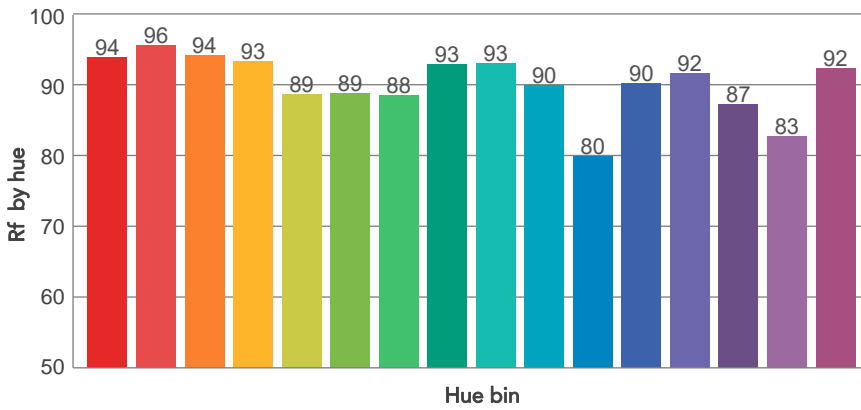
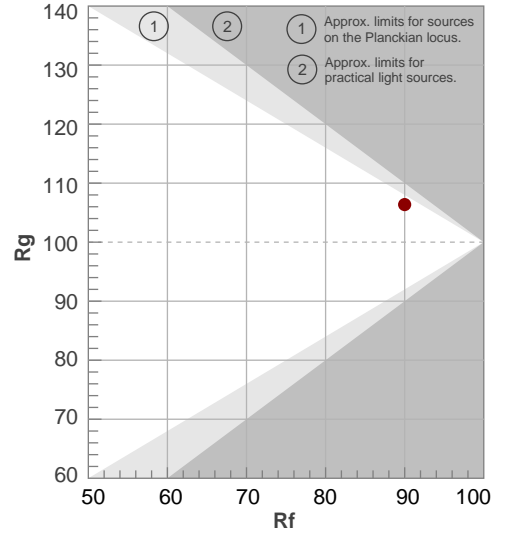
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5641 K	91,9	92,8	90,0	106,4	92,9	87	0,329	0,338	-0,0043

# TM30 DETAILS

**Rf 90,0**  
Fidelity index Rf

**Rg 106,4**  
Gammut index

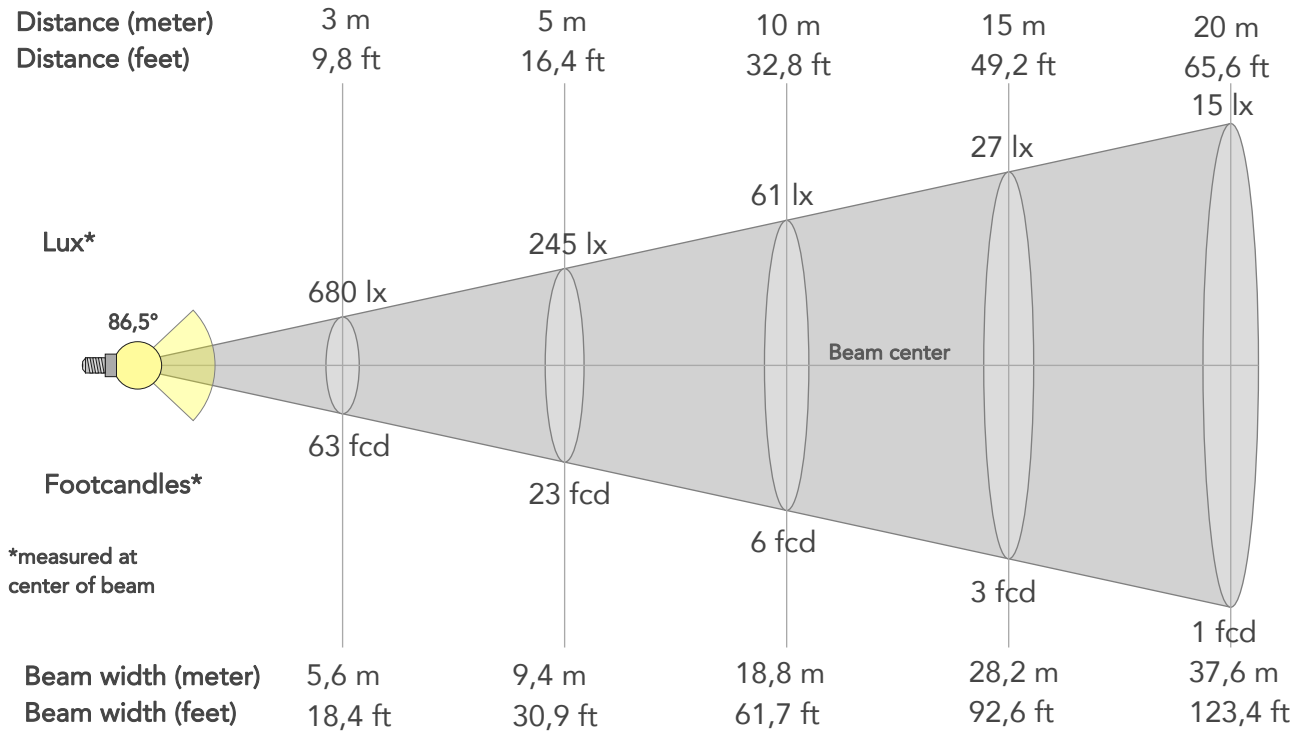
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	1%	-1%
2	96	2%	0%
3	94	1%	2%
4	93	0%	3%
5	89	-1%	3%
6	89	6%	5%
7	88	8%	0%
8	93	3%	0%
9	93	-1%	3%
10	90	-2%	6%
11	80	2%	12%
12	90	3%	6%
13	92	6%	3%
14	87	6%	4%
15	83	14%	-7%
16	92	4%	-1%



# BEAM DETAILS



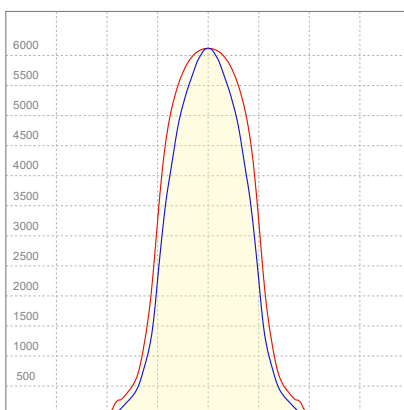
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
86,5°	124,4°	160,4°	92,4%	75,0%



## 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	6117lx	1529lx	680lx	382lx	245lx	109lx	61lx	27lx	15lx	10lx	7lx	4lx	2lx
Footcand.	568fcd	142fcd	63fcd	36fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,9m	3,8m	5,6m	7,5m	9,4m	14,1m	18,8m	28,2m	37,6m	47m	56,4m	75,3m	94,1m
Beam wid.	6,2ft	12,4ft	18,4ft	24,6ft	30,9ft	46,3ft	61,7ft	92,6ft	123,4ft	154,3ft	185,1ft	246,8ft	308,5ft

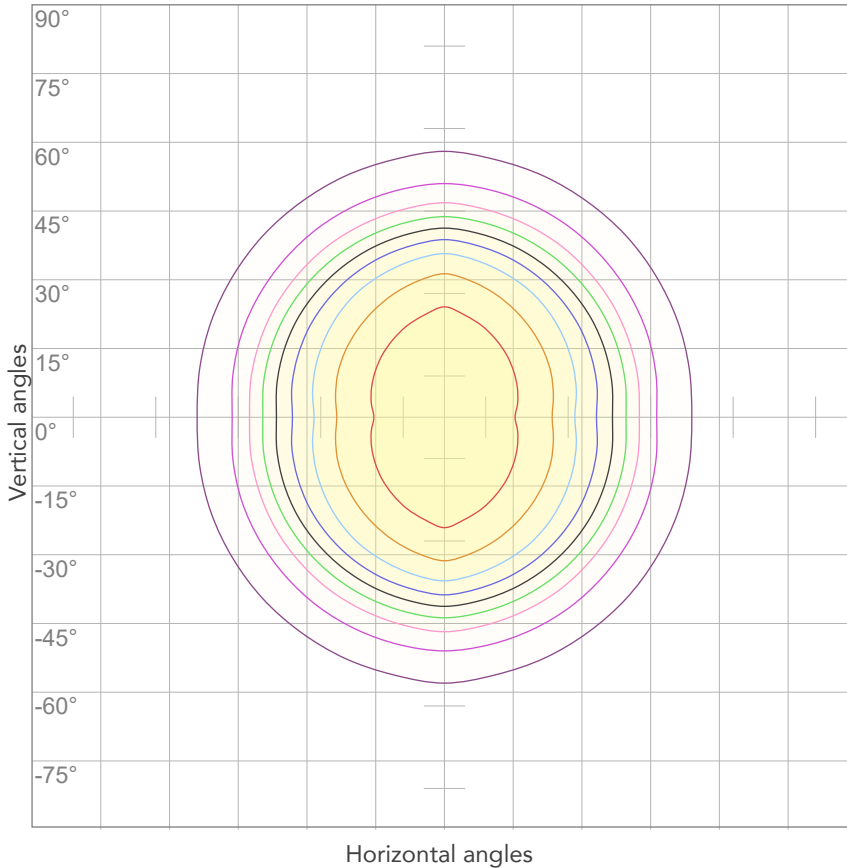
## LINEAR DISTRIBUTION DIAGRAM



## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
223V	1,09A	235,3W	48lm/W

## ISO CANDELA DIAGRAM



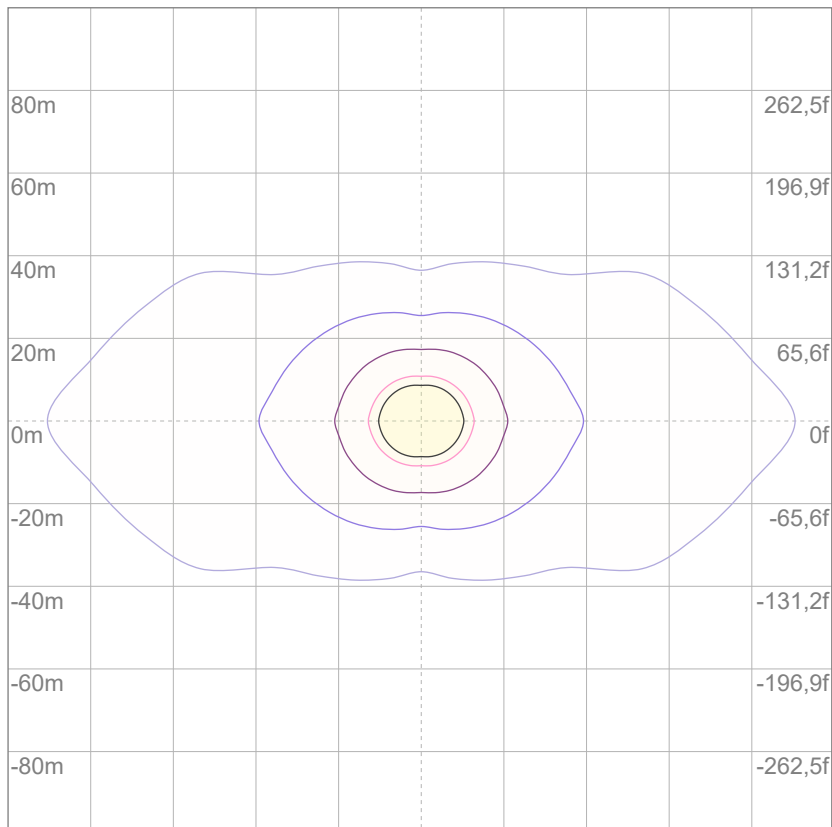
10%	612 cd
20%	1223 cd
30%	1835 cd
40%	2447 cd
50%	3058 cd
60%	3670 cd
70%	4282 cd
80%	4893 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 6117 cd

## ISO LUX DIAGRAM



3%	1,84 lx
5%	3,06 lx
10%	6,12 lx
30%	18,4 lx
50%	30,6 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 61,2 lx

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



Total lumen output:

9478 lm

Peak candela output:

3233 cd

Light quality:

CRI: 90,9

Color temperature:

6069 K



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASURAMENT CONDITIONS:**

Beam angle:

Filter HD

Target:

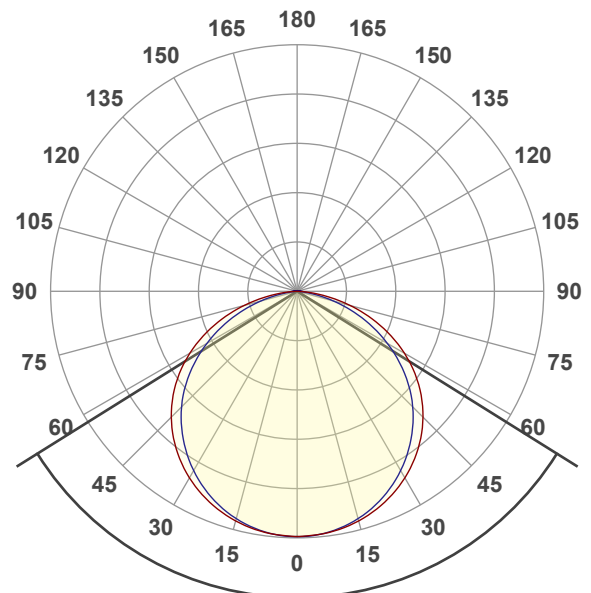
6000K

Operator:

Paolo Carvone

Date and time:

22/08/2022 17:53:55

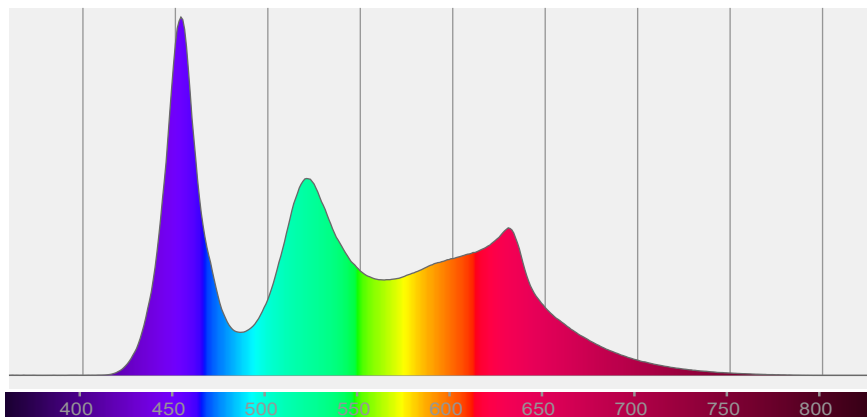


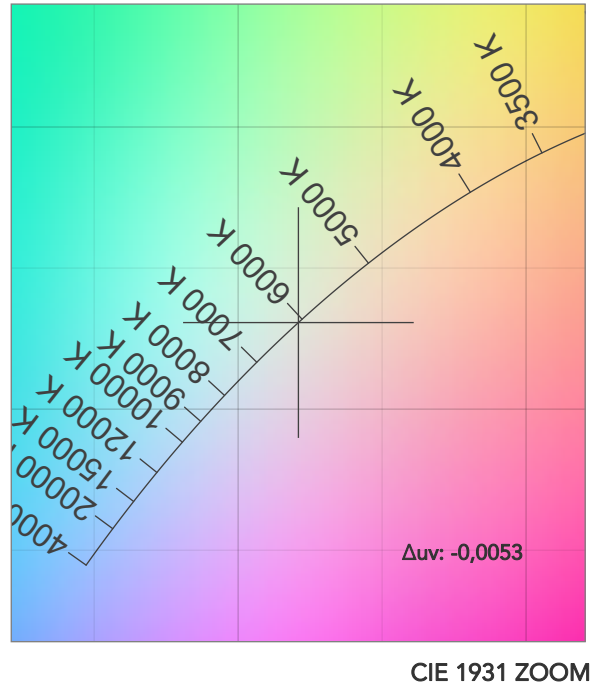
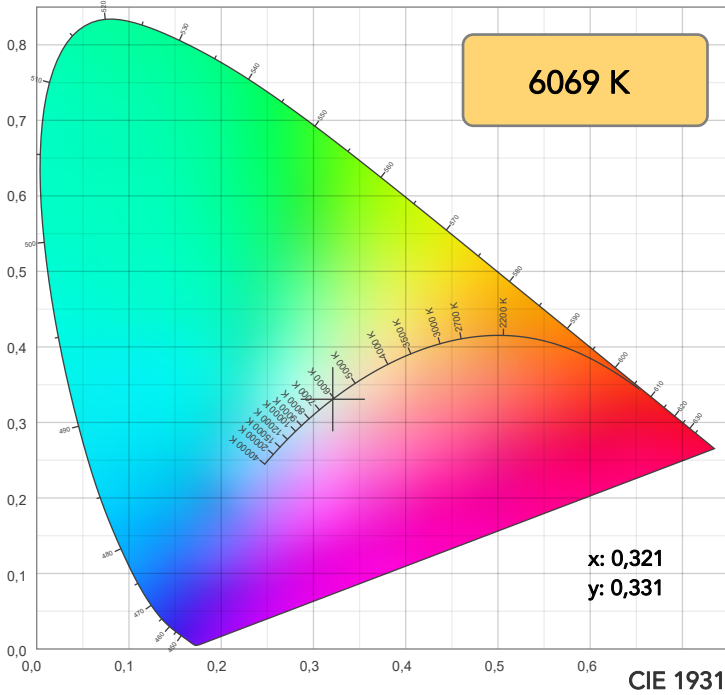
Beam angle 50%: 116°

Field angle 10%: 159,7°

Cut off angle 2.5%: 170,1°

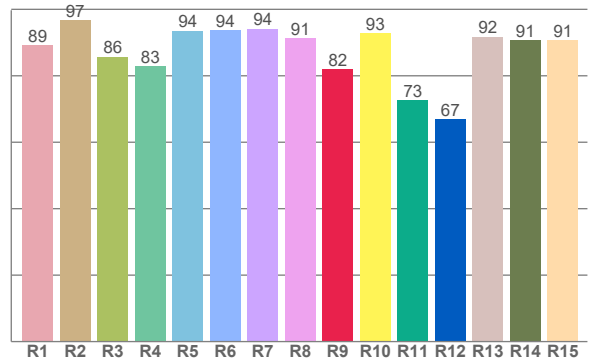
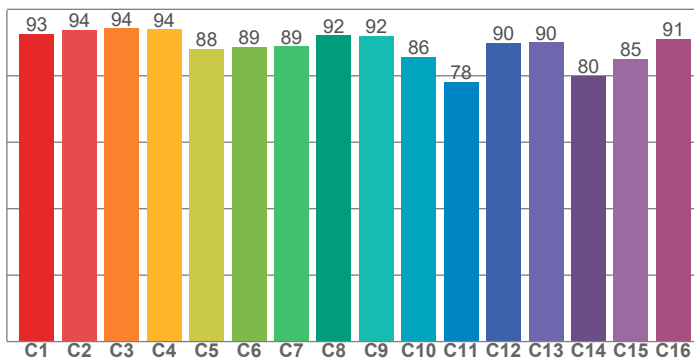
Spectra





TM30: 89,4

CRI: 90,9 (R1-R8)



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

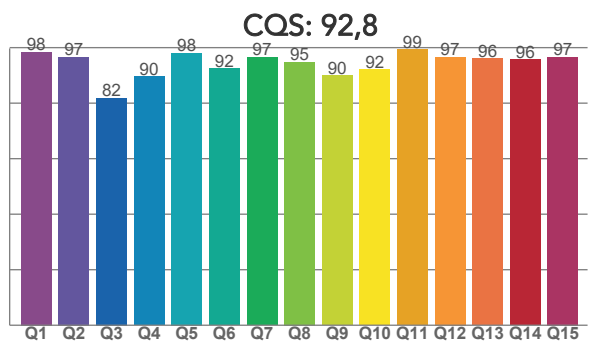
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
89,2	96,8	85,7	82,9	93,5	93,6	94,2	91,4	82,0	92,9	72,7	67,0	91,7	90,6	90,8

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,6	93,8	94,3	94,0	88,0	88,8	88,8	92,1	92,0	85,7	78,2	89,9	90,0	80,0	85,1	91,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,4	96,6	81,9	89,6	98,1	92,4	96,5	94,9	89,9	92,0	99,3	96,6	96,1	95,7	96,6



COLOR PARAMETERS

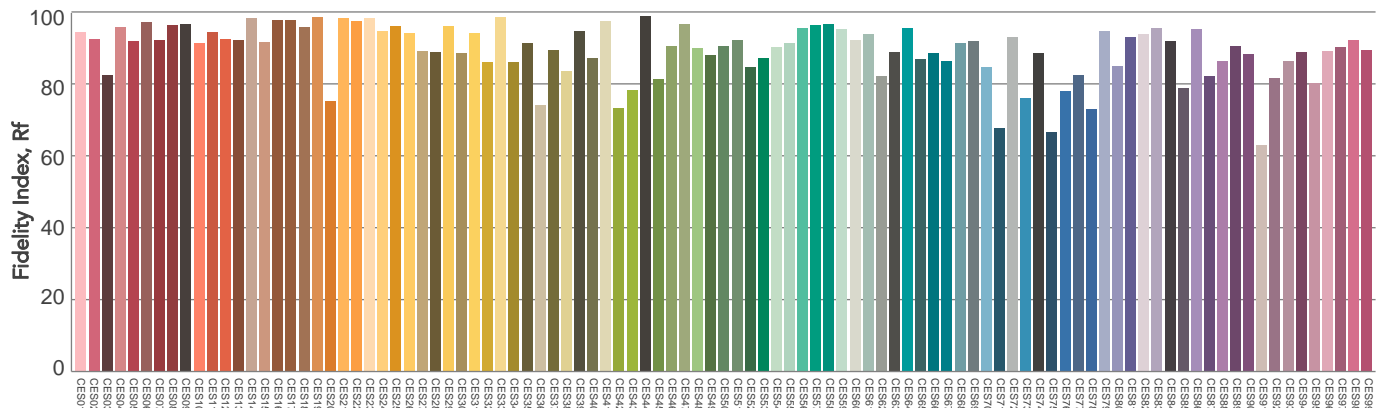
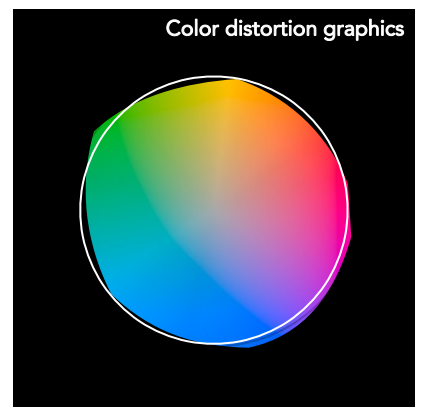
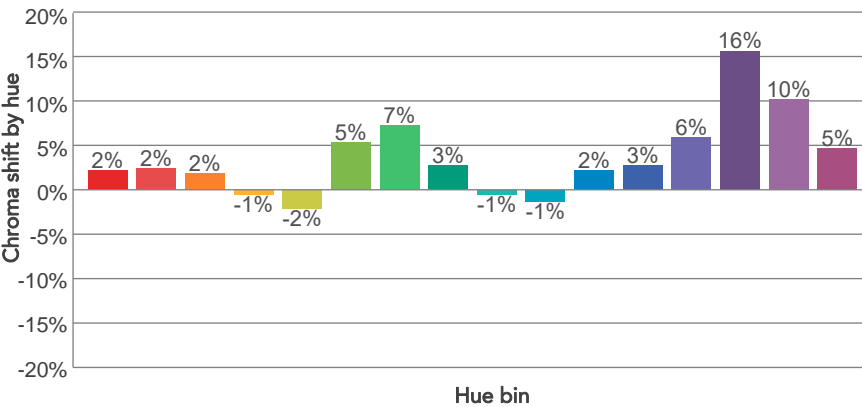
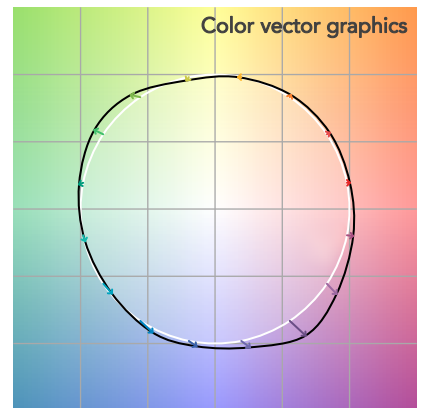
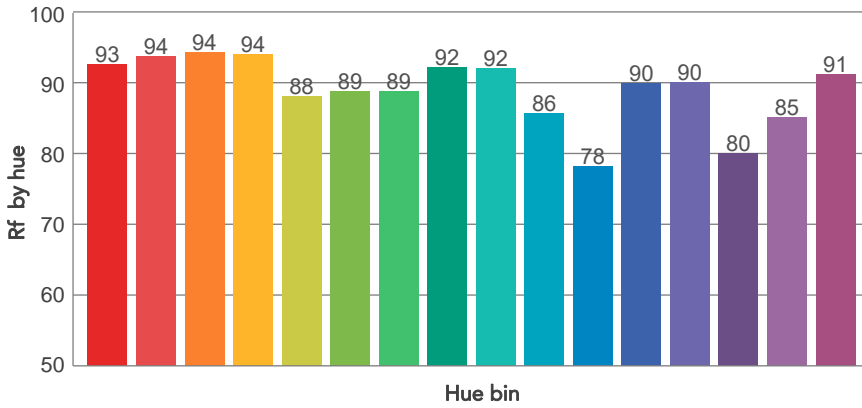
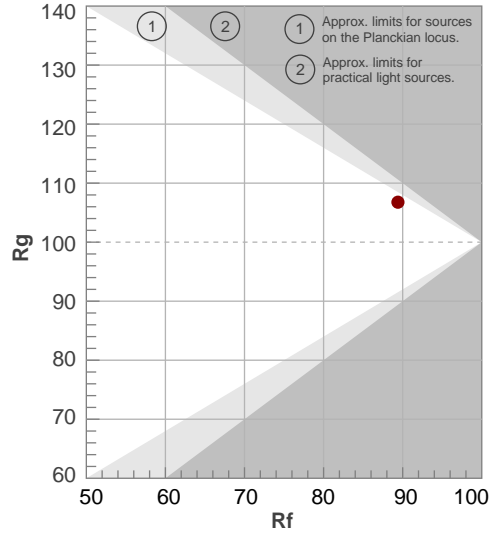
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
6069 K	90,9	82,0	89,4	106,8	92,8	88	0,321	0,331	-0,0053

# TM30 DETAILS

**Rf 89,4**  
Fidelity index Rf

**Rg 106,8**  
Gammut index

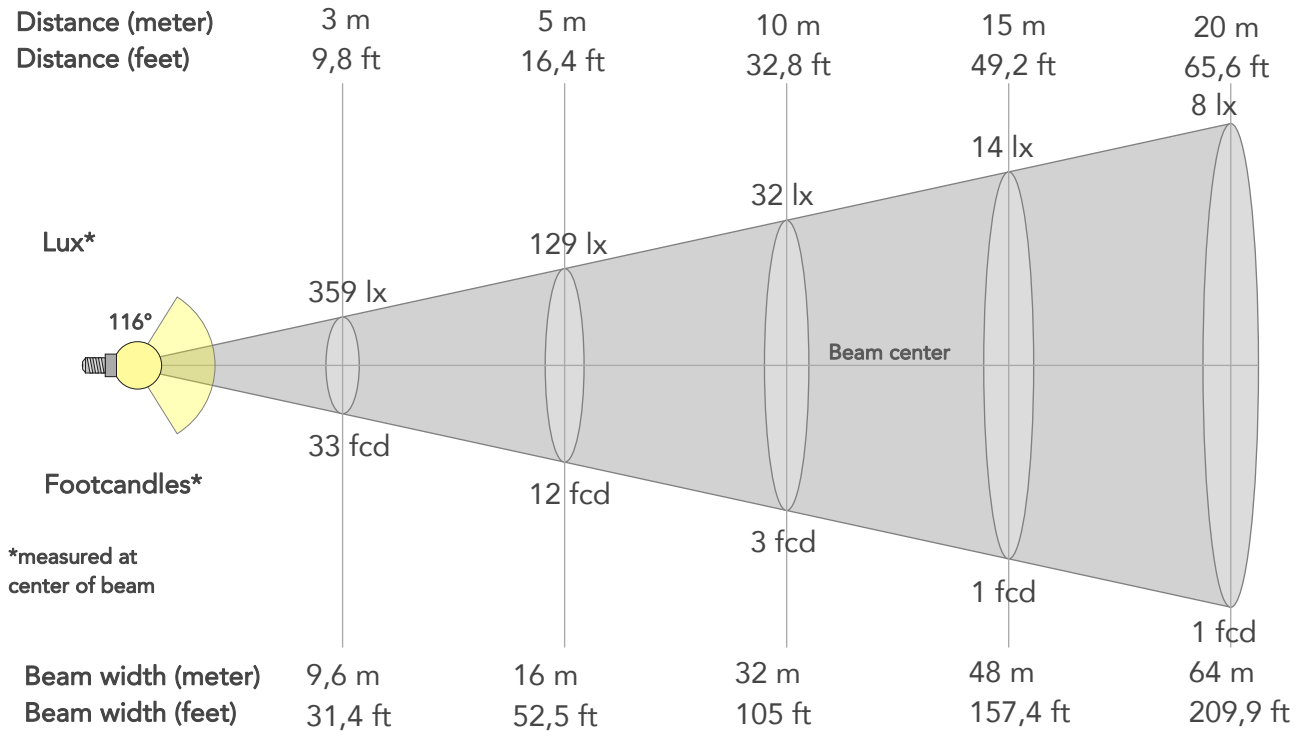
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	93	2%	0%
2	94	2%	0%
3	94	2%	0%
4	94	-1%	2%
5	88	-2%	2%
6	89	5%	5%
7	89	7%	1%
8	92	3%	2%
9	92	-1%	5%
10	86	-1%	10%
11	78	2%	12%
12	90	3%	6%
13	90	6%	5%
14	80	16%	4%
15	85	10%	-2%
16	91	5%	0%



# BEAM DETAILS



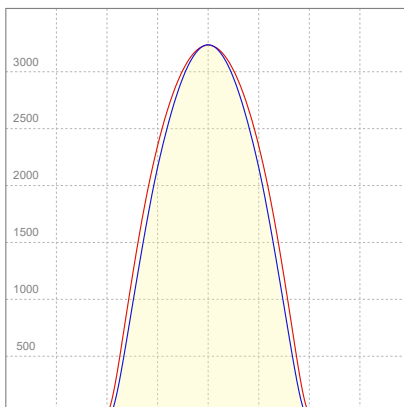
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
116°	159,7°	170,1°	79,2%	53,3%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3233lx	808lx	359lx	202lx	129lx	57lx	32lx	14lx	8lx	5lx	4lx	2lx	1lx
Footcand.	300fcd	75fcd	33fcd	19fcd	12fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	3,2m	6,4m	9,6m	12,8m	16m	24m	32m	48m	64m	80m	96m	128m	160m
Beam wid.	10,6ft	21,1ft	31,4ft	41,9ft	52,5ft	78,7ft	105ft	157,4ft	209,9ft	262,4ft	314,9ft	419,8ft	524,8ft

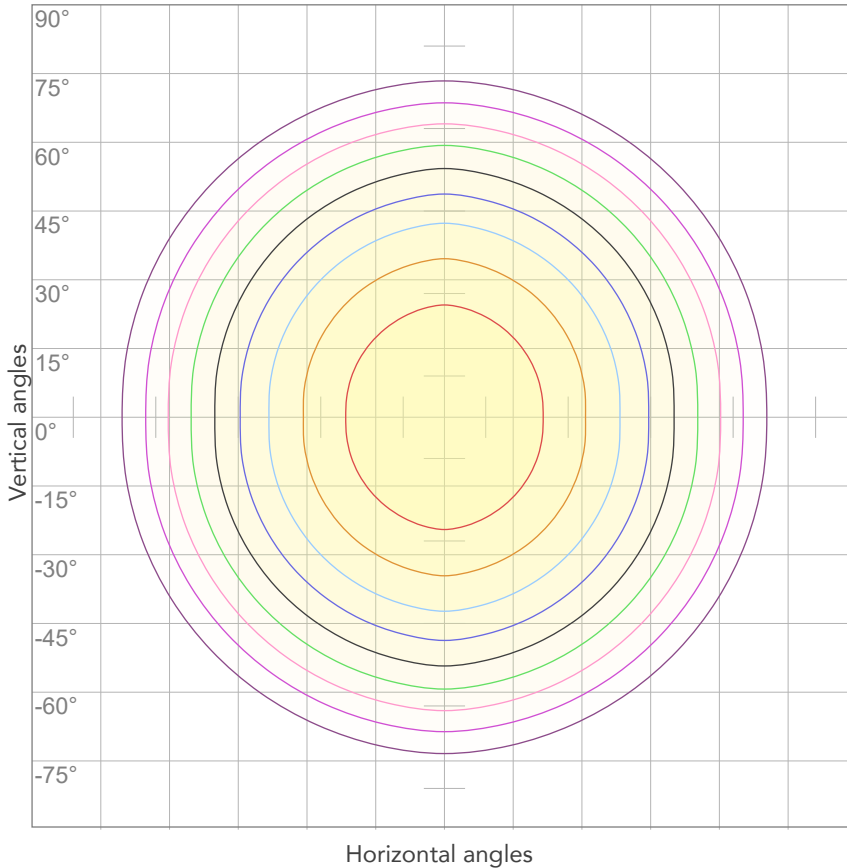
## LINEAR DISTRIBUTION DIAGRAM



## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	1,09A	235,4W	40lm/W

## ISO CANDELA DIAGRAM



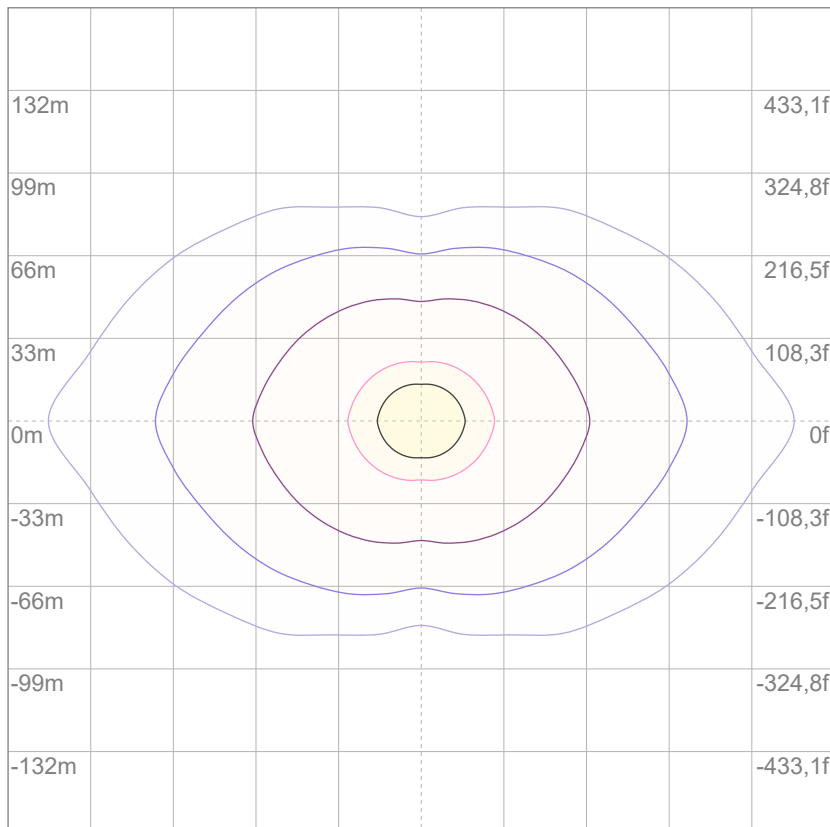
10%	323 cd
20%	647 cd
30%	970 cd
40%	1293 cd
50%	1616 cd
60%	1940 cd
70%	2263 cd
80%	2586 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 3233 cd

## ISO LUX DIAGRAM



3%	0,970 lx
5%	1,62 lx
10%	3,23 lx
30%	9,70 lx
50%	16,2 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 32,3 lx

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

Mounting height: 10 meters (33 feet)

Total lumen output:

11892 lm

Peak candela output:

4634 cd

Light quality:

CRI: 91,1

Color temperature:

6088 K



PRODUCT NAME:

ECLSOFTLINEARIP

MEASUREMENT CONDITIONS:

Beam angle:

Filter MD

Target:

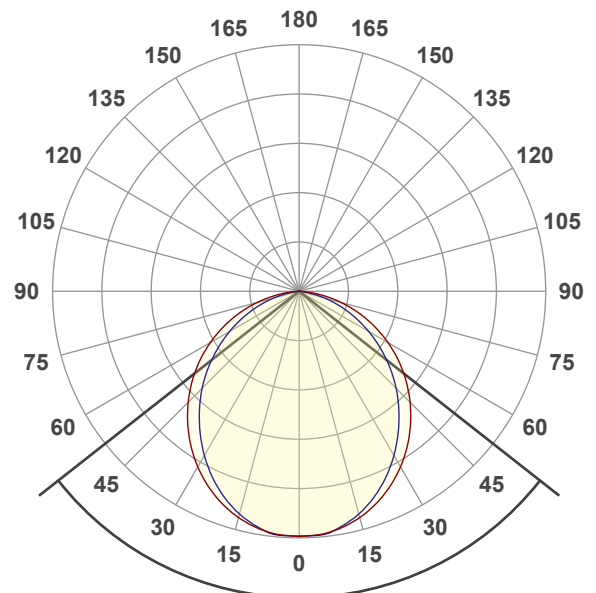
6000K

Operator:

Paolo Carvone

Date and time:

22/08/2022 17:11:48

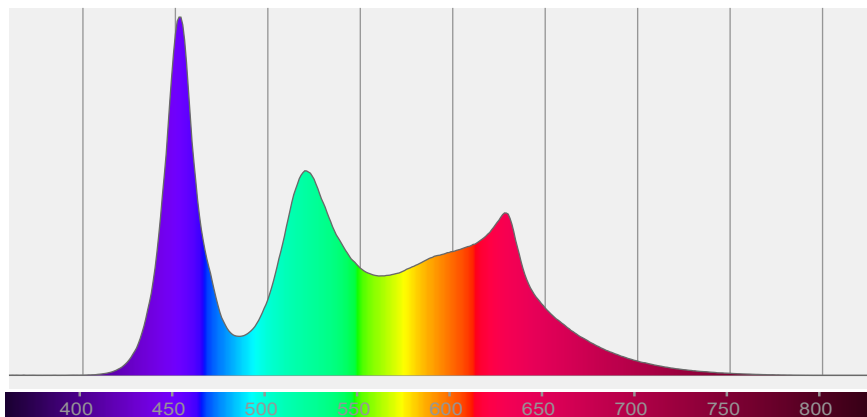


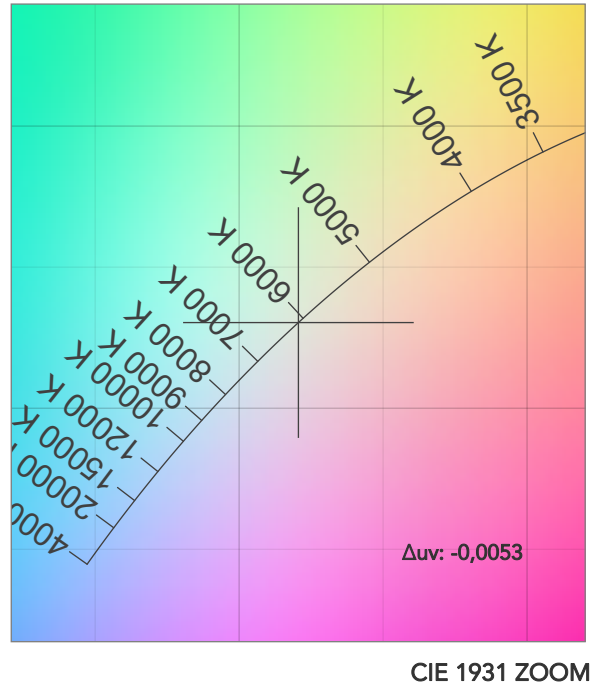
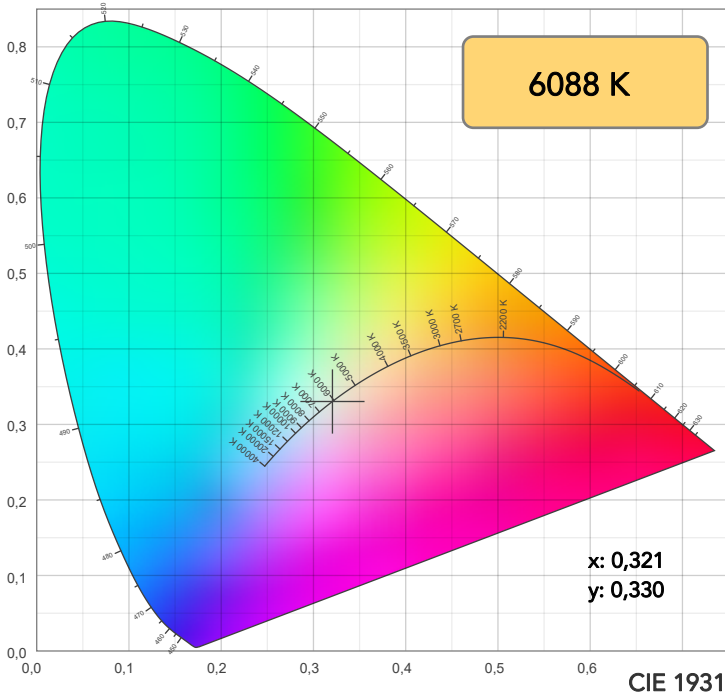
Beam angle 50%: 103,7°

Field angle 10%: 155,8°

Cut off angle 2.5%: 168,4°

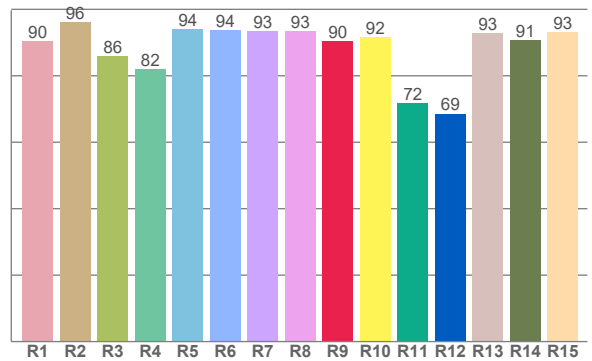
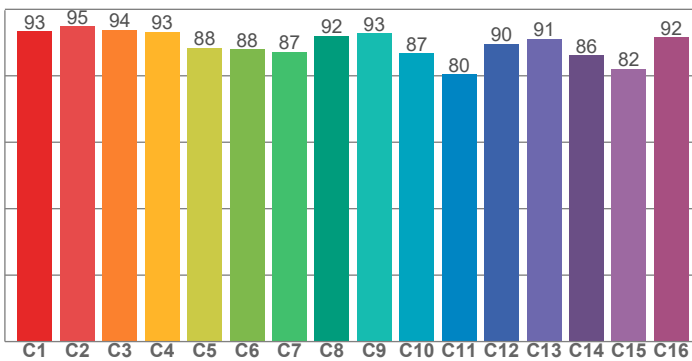
Spectra





TM30: 89,5

CRI: 91,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
90,3	96,2	85,9	81,9	94,0	93,7	93,5	93,5	90,4	91,6	71,7	68,6	92,8	90,8	93,1

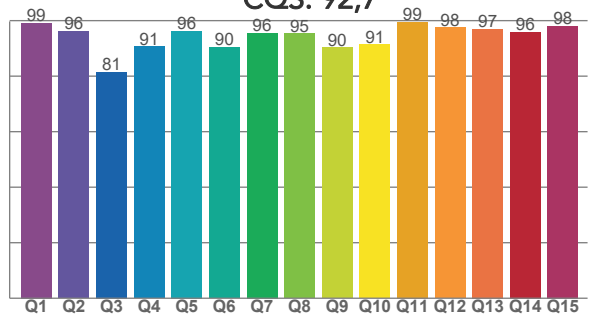
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,4	94,9	93,9	93,2	88,3	88,0	87,3	92,0	92,8	86,8	80,4	89,5	91,2	86,1	82,0	91,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,2	96,2	81,4	90,7	96,3	90,4	95,5	95,3	90,3	91,4	99,5	97,6	97,1	96,0	98,1

CQS: 92,7



COLOR PARAMETERS

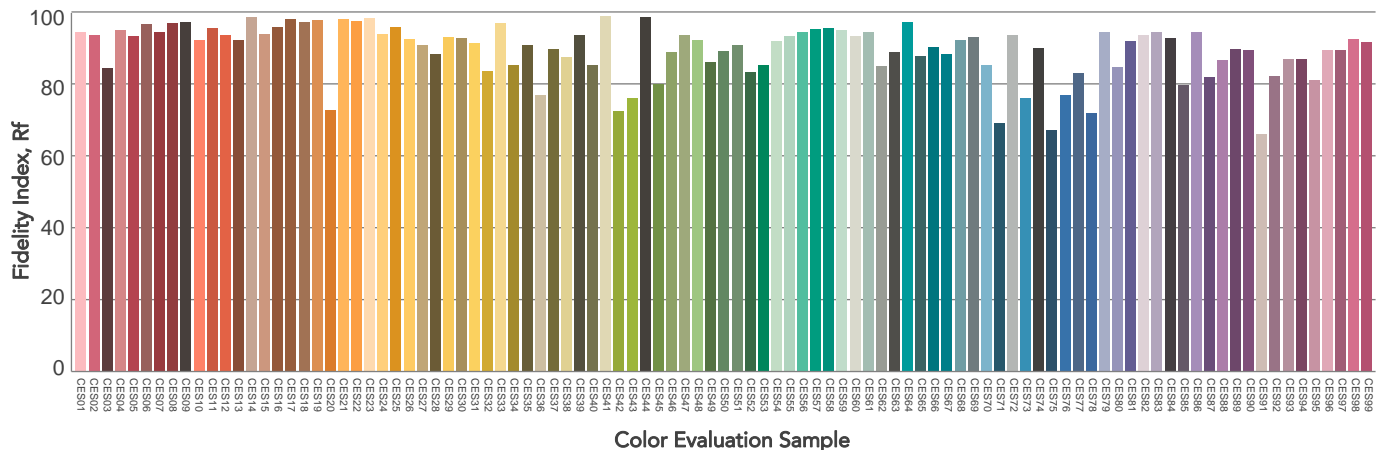
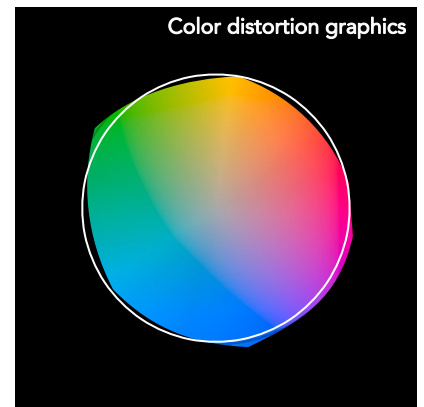
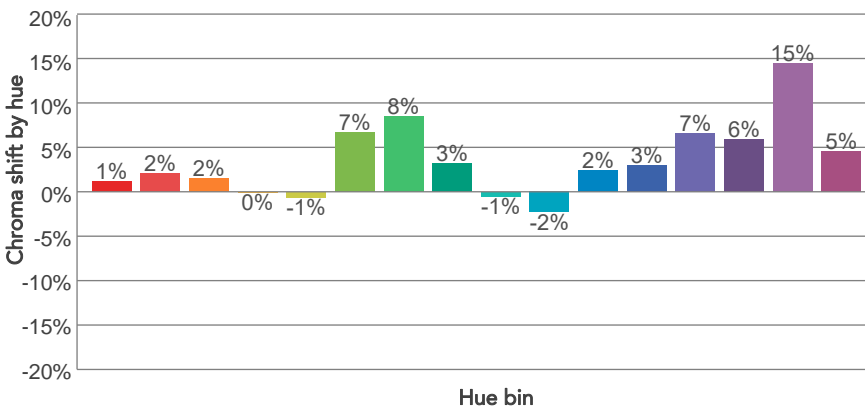
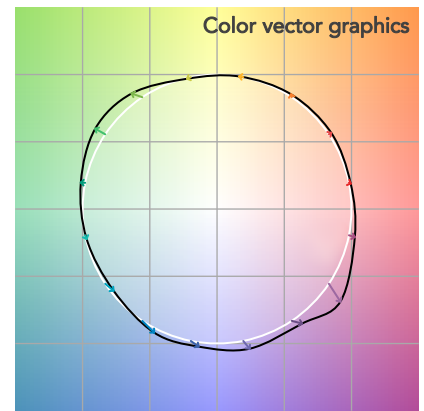
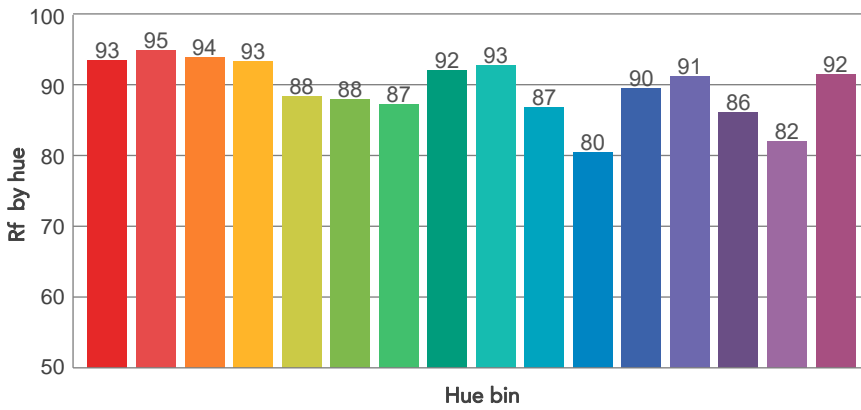
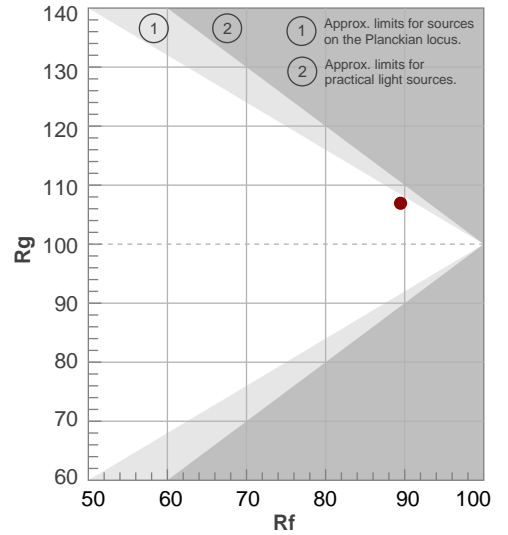
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6088 K	91,1	90,4	89,5	106,9	92,7	87	0,321	0,330	-0,0053

# TM30 DETAILS

**Rf 89,5**  
Fidelity index Rf

**Rg 106,9**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	93	1%	-1%
2	95	2%	0%
3	94	2%	2%
4	93	0%	3%
5	88	-1%	3%
6	88	7%	5%
7	87	8%	1%
8	92	3%	0%
9	93	-1%	3%
10	87	-2%	8%
11	80	2%	12%
12	90	3%	6%
13	91	7%	3%
14	86	6%	5%
15	82	15%	-6%
16	92	5%	0%

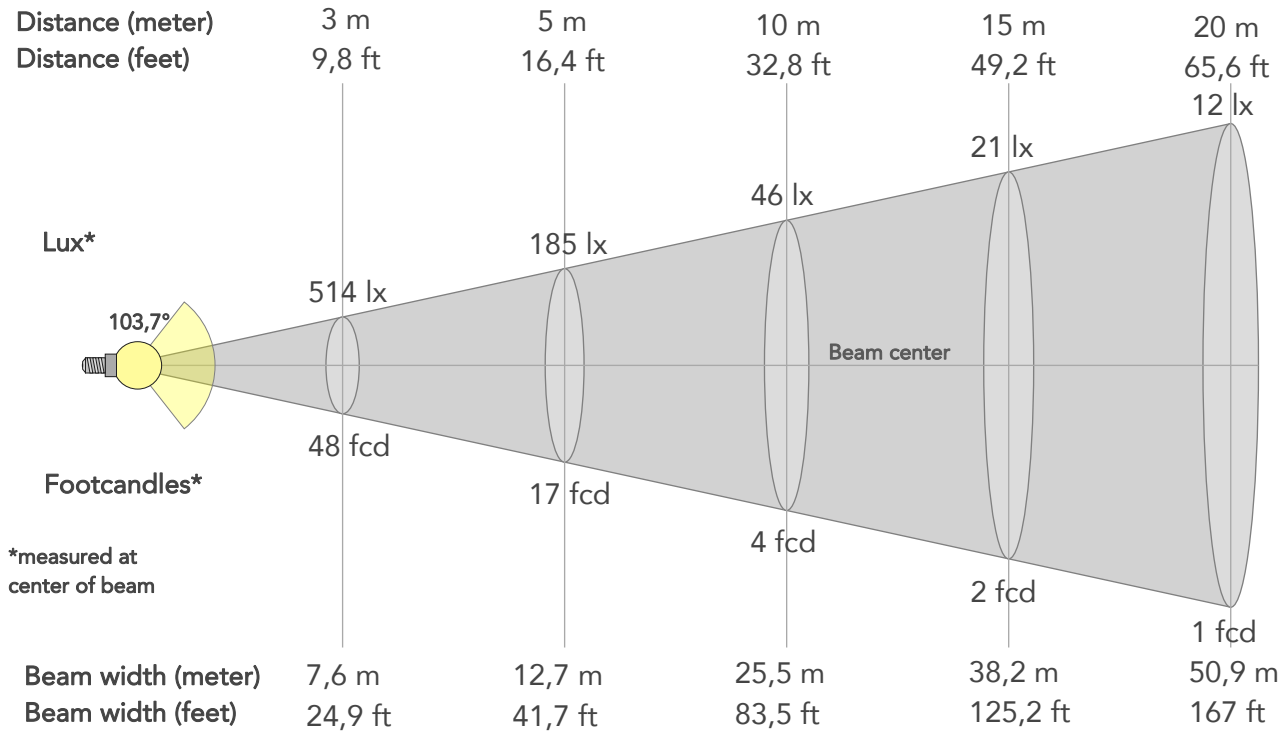




# BEAM DETAILS



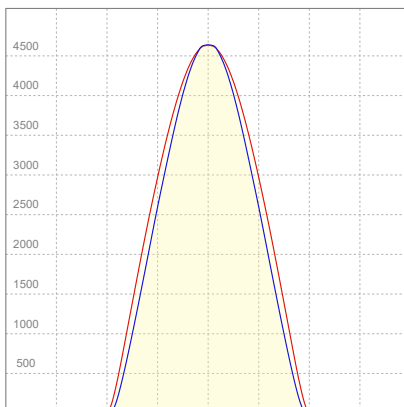
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
103,7°	155,8°	168,4°	81,1%	56,6%



## 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	4630lx	1157lx	514lx	289lx	185lx	82lx	46lx	21lx	12lx	7lx	5lx	3lx	2lx
Footcand.	430fcd	108fcd	48fcd	27fcd	17fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	2,5m	5,1m	7,6m	10,2m	12,7m	19,1m	25,5m	38,2m	50,9m	63,6m	76,4m	101,8m	127,3m
Beam wid.	8,4ft	16,8ft	24,9ft	33,3ft	41,7ft	62,6ft	83,5ft	125,2ft	167ft	208,7ft	250,5ft	334ft	417,5ft

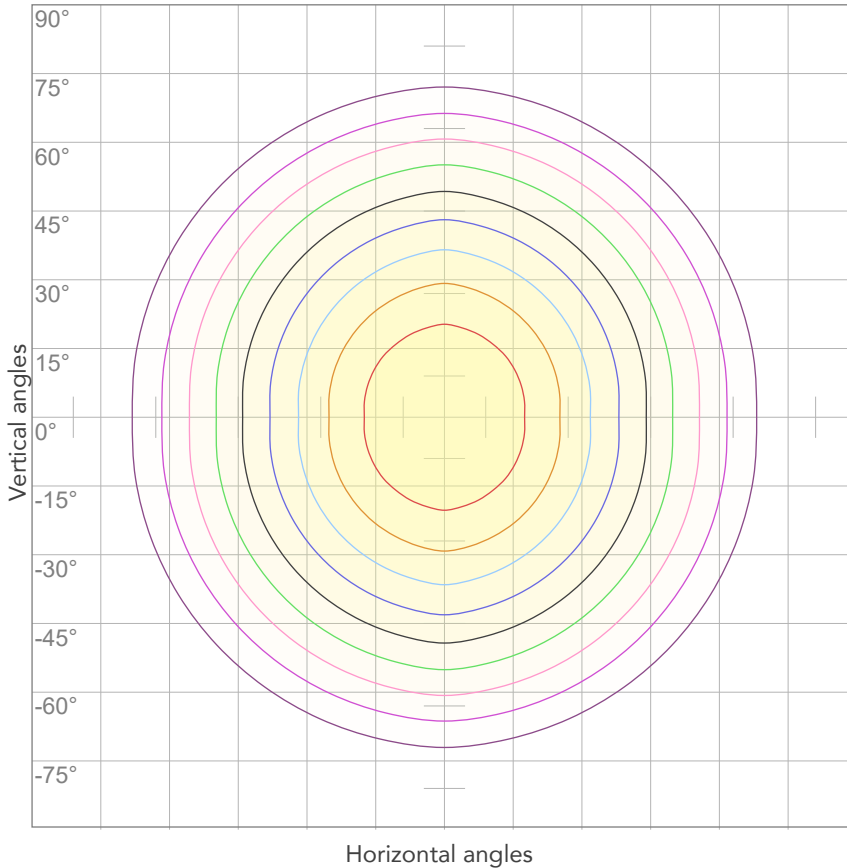
## LINEAR DISTRIBUTION DIAGRAM



## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,10A	238,8W	50lm/W

## ISO CANDELA DIAGRAM



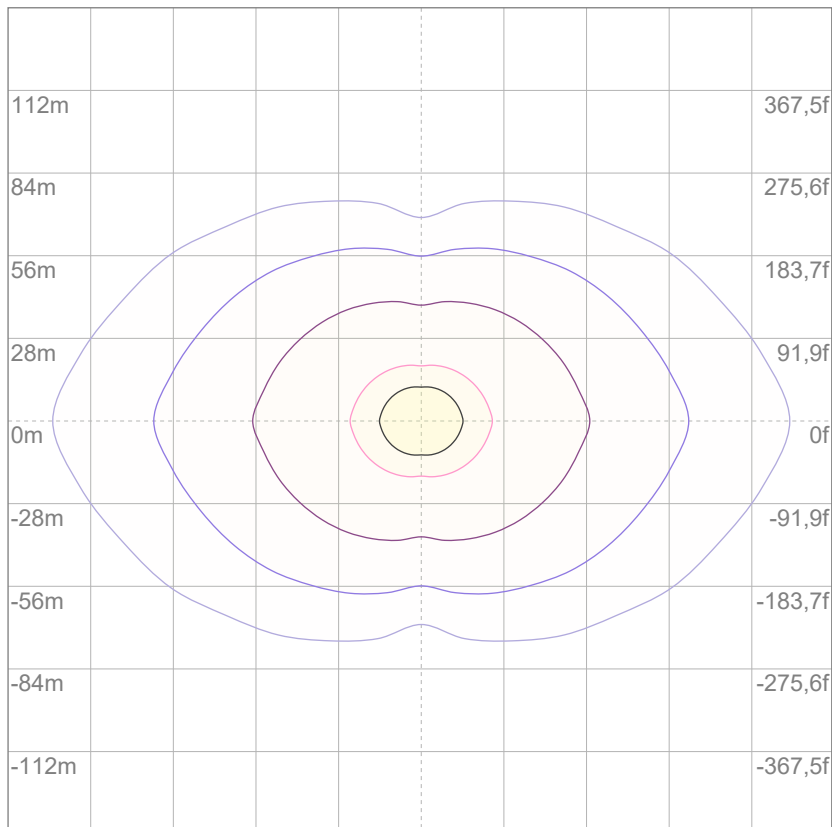
10%	463 cd
20%	926 cd
30%	1389 cd
40%	1852 cd
50%	2315 cd
60%	2778 cd
70%	3241 cd
80%	3704 cd

Conditions:

Number of c-planes: 4

Candela at center: 4630 cd

## ISO LUX DIAGRAM



3%	1,39 lx
5%	2,31 lx
10%	4,63 lx
30%	13,9 lx
50%	23,1 lx

Conditions:

Number of c-planes: 4

Lux at center: 46,3 lx

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

Total lumen output:

12295 lm

Peak candela output:

5245 cd

Light quality:

CRI: 91,5

Color temperature:

6078 K



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASURAMENT CONDITIONS:**

Beam angle:

Filter LD

Target:

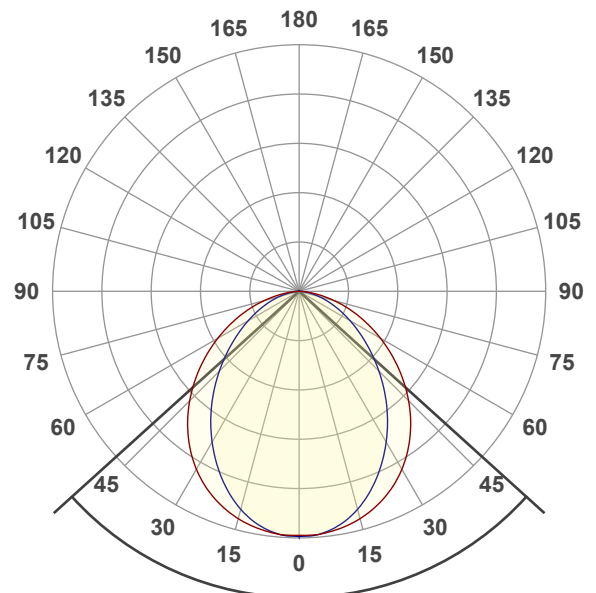
6000K

Operator:

Paolo Carvone

Date and time:

23/08/2022 11:18:23

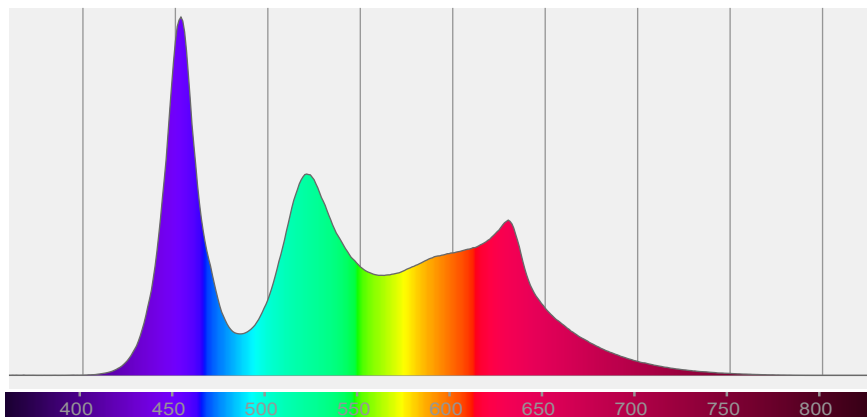


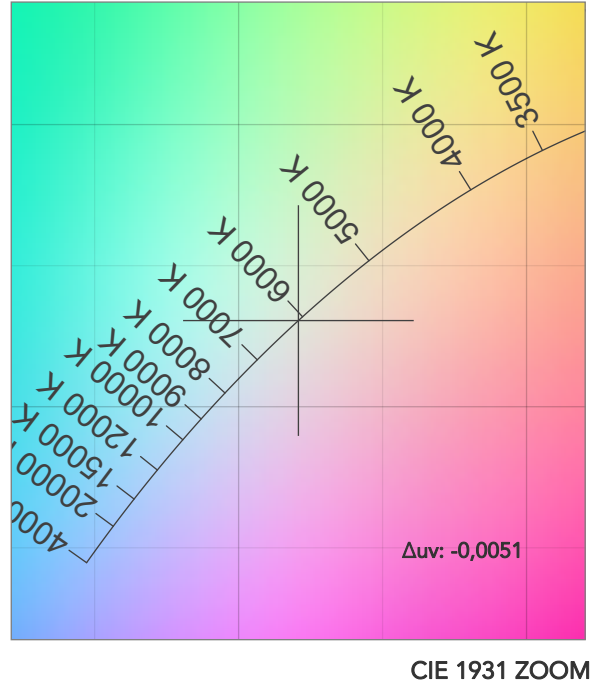
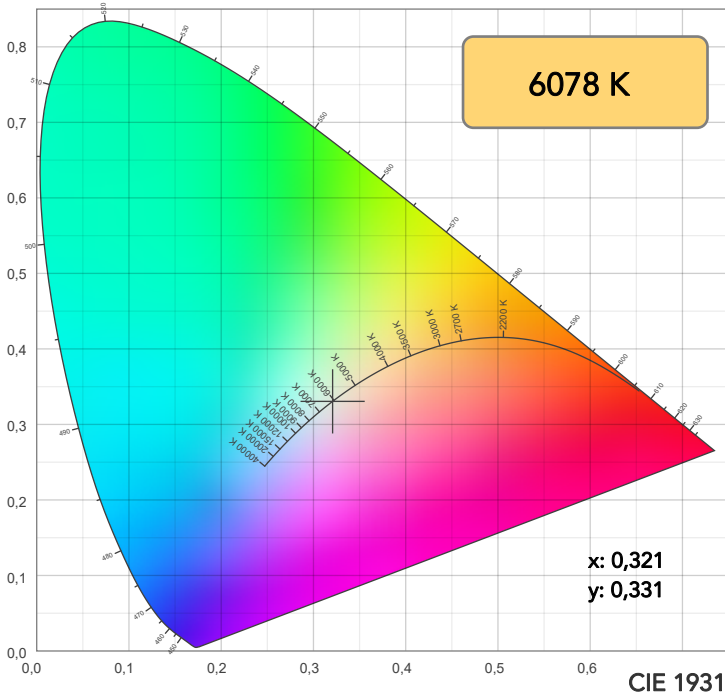
Beam angle 50%: 95,8°

Field angle 10%: 151,9°

Cut off angle 2.5%: 168,9°

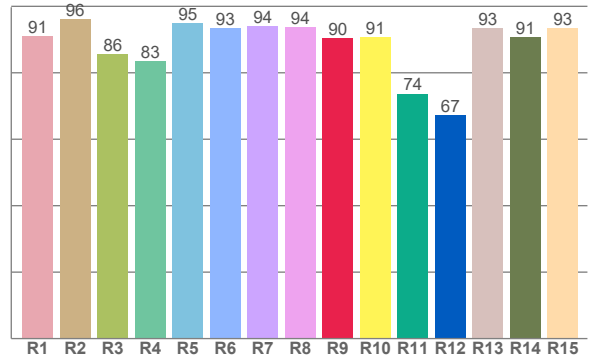
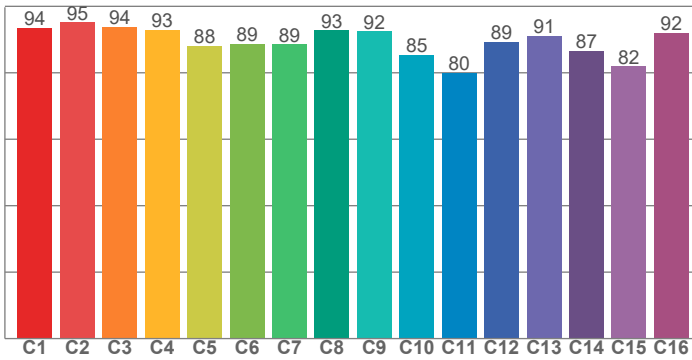
Spectra





TM30: 89,5

CRI: 91,5 (R1-R8)



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

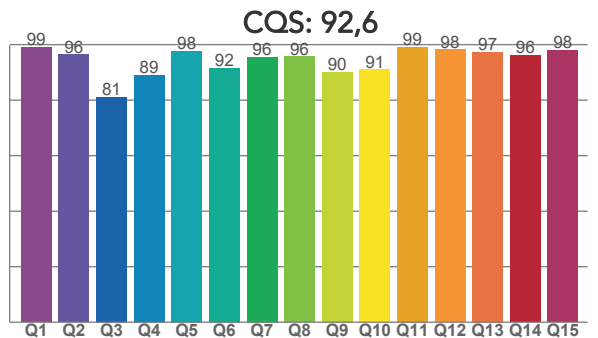
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
91,0	96,1	85,6	83,5	94,9	93,4	94,0	93,8	90,3	90,7	73,7	67,2	93,3	90,7	93,3

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,6	95,2	93,9	93,0	88,1	88,6	88,6	92,8	92,4	85,3	79,9	89,4	91,1	86,6	81,9	92,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,0	96,4	81,1	89,1	97,7	91,5	95,5	95,7	90,1	91,0	99,1	98,2	97,4	96,1	98,0



COLOR PARAMETERS

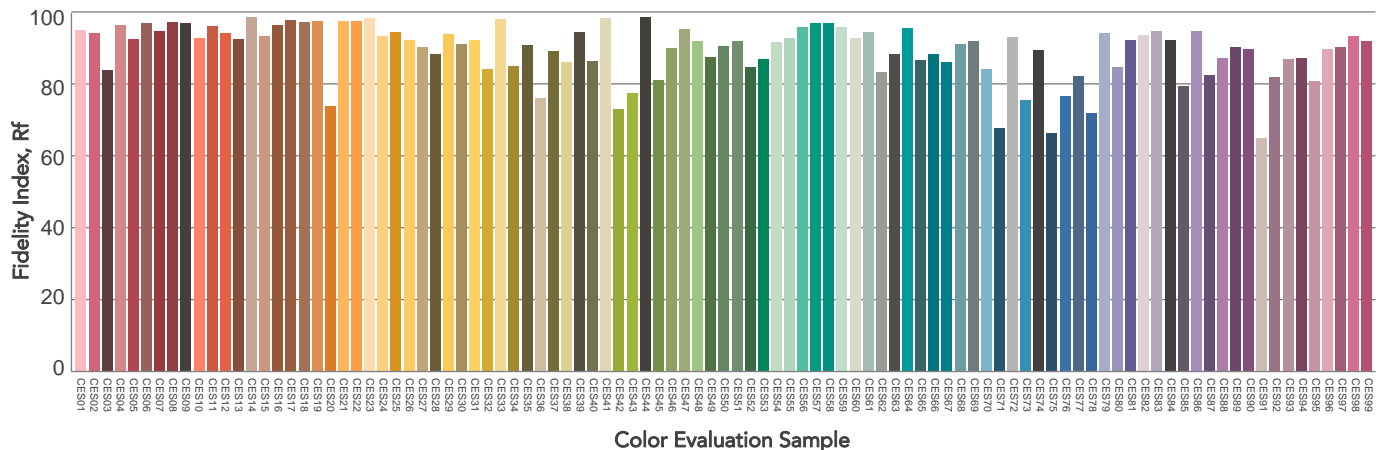
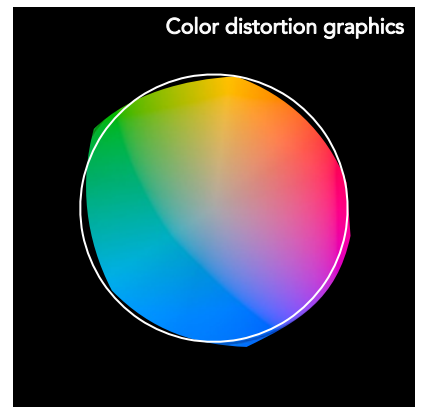
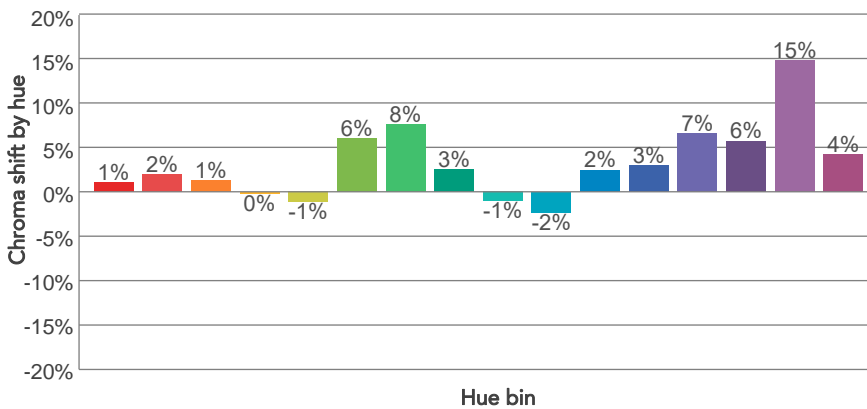
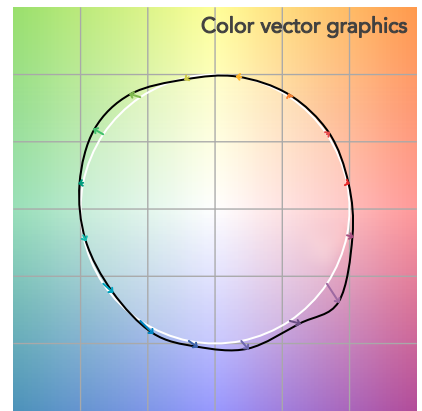
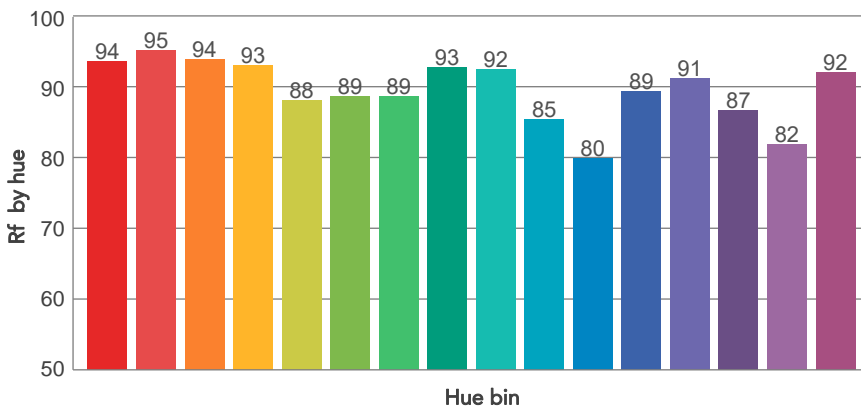
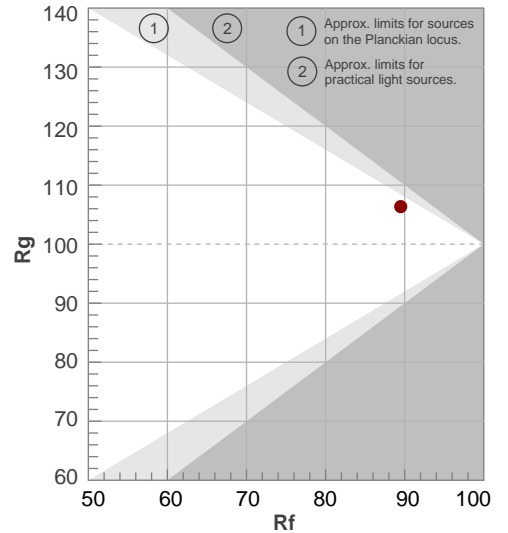
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6078 K	91,5	90,3	89,5	106,4	92,6	88	0,321	0,331	-0,0051

# TM30 DETAILS

**Rf 89,5**  
Fidelity index Rf

**Rg 106,4**  
Gammut index

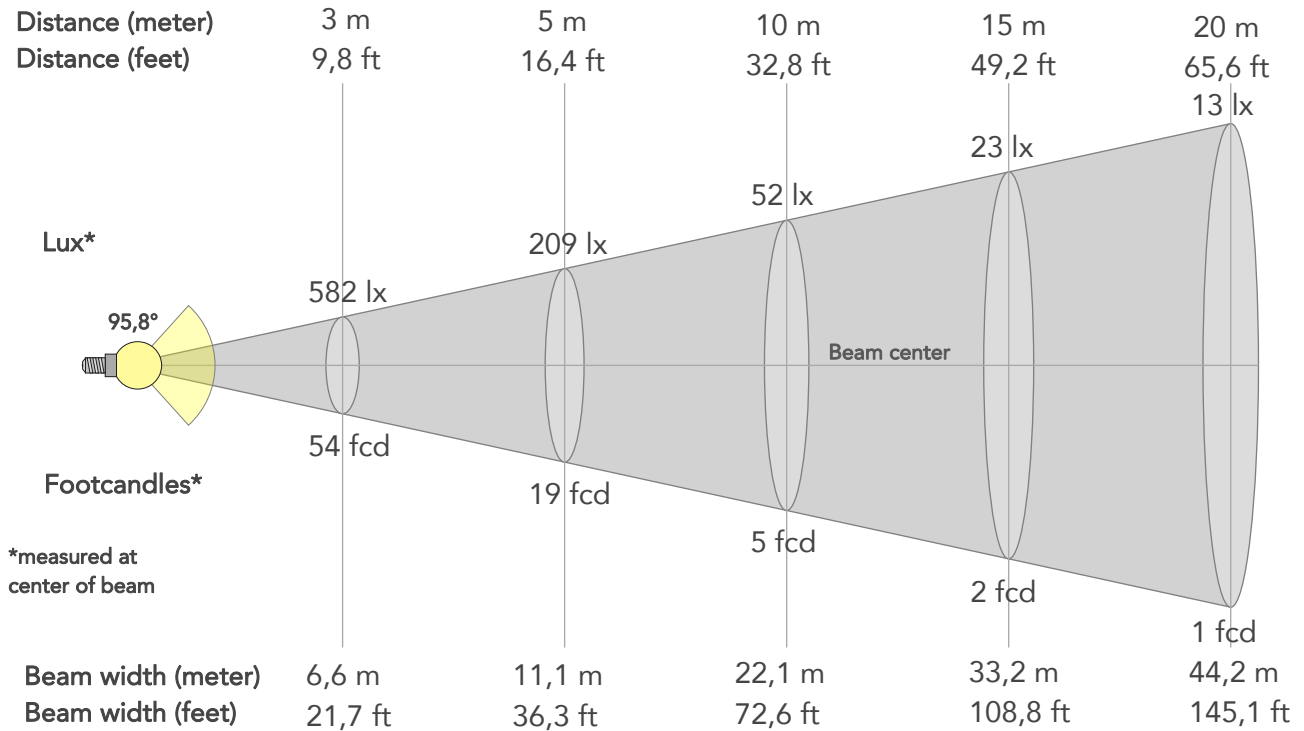
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	1%	-1%
2	95	2%	0%
3	94	1%	2%
4	93	0%	3%
5	88	-1%	3%
6	89	6%	5%
7	89	8%	1%
8	93	3%	1%
9	92	-1%	4%
10	85	-2%	9%
11	80	2%	12%
12	89	3%	7%
13	91	7%	4%
14	87	6%	5%
15	82	15%	-6%
16	92	4%	0%



# BEAM DETAILS



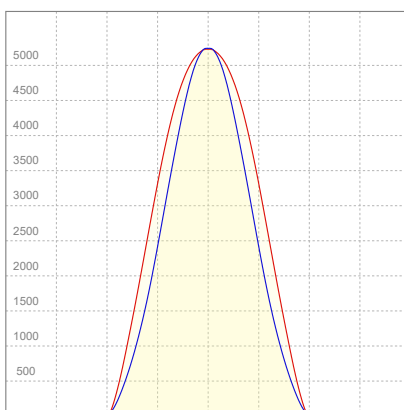
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
95,8°	151,9°	168,9°	83,2%	59,7%



## 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	5235lx	1309lx	582lx	327lx	209lx	93lx	52lx	23lx	13lx	8lx	6lx	3lx	2lx
Footcand.	486fcd	122fcd	54fcd	30fcd	19fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	2,2m	4,4m	6,6m	8,8m	11,1m	16,6m	22,1m	33,2m	44,2m	55,3m	66,4m	88,5m	110,6m
Beam wid.	7,3ft	14,6ft	21,7ft	29ft	36,3ft	54,4ft	72,6ft	108,8ft	145,1ft	181,4ft	217,7ft	290,2ft	362,8ft

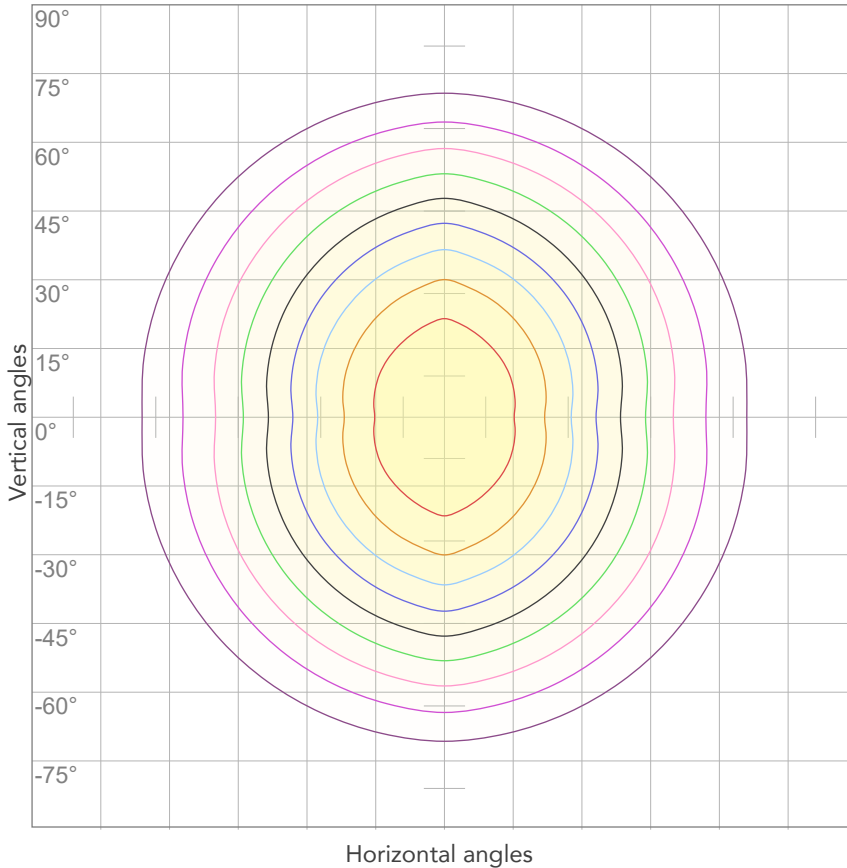
## LINEAR DISTRIBUTION DIAGRAM



## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,09A	236,4W	52lm/W

## ISO CANDELA DIAGRAM



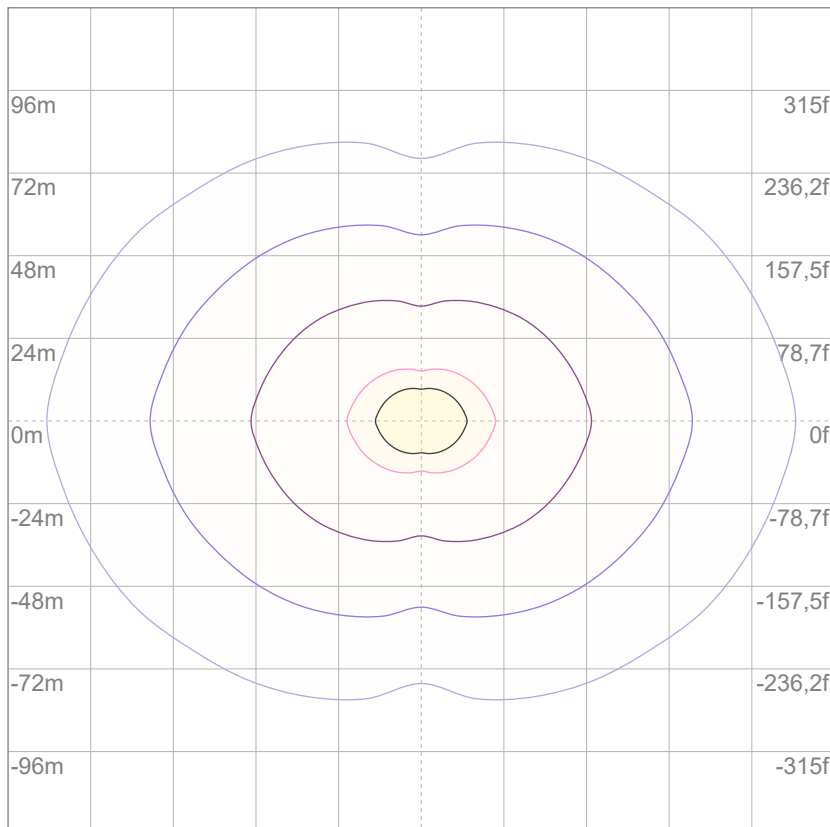
10%	524 cd
20%	1047 cd
30%	1571 cd
40%	2094 cd
50%	2618 cd
60%	3141 cd
70%	3665 cd
80%	4188 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 5235 cd

## ISO LUX DIAGRAM



3%	1,57 lx
5%	2,62 lx
10%	5,24 lx
30%	15,7 lx
50%	26,2 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 52,4 lx

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

Mounting height: 10 meters (33 feet)

Total lumen output:

11154 lm

Peak candela output:

6060 cd

Light quality:

CRI: 91,8

Color temperature:

6040 K



**PRODUCT NAME:**

ECLSOFTLINEARIP

**MEASURAMENT CONDITIONS:**

Beam angle:

Filter INT

Target:

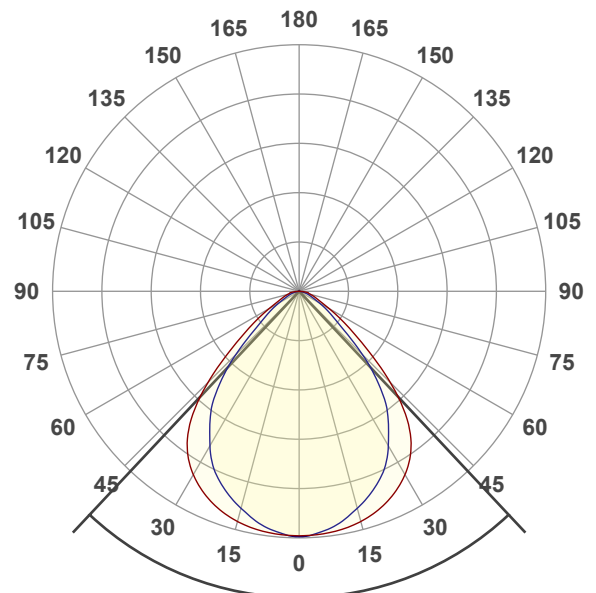
6000K

Operator:

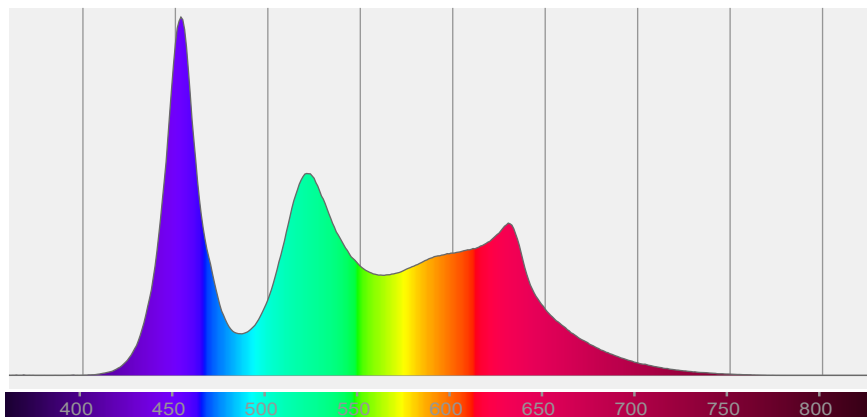
Paolo Carvone

Date and time:

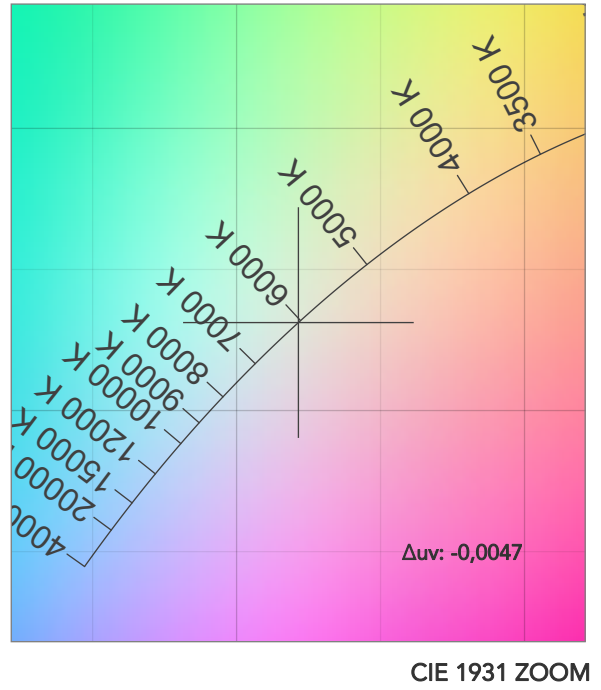
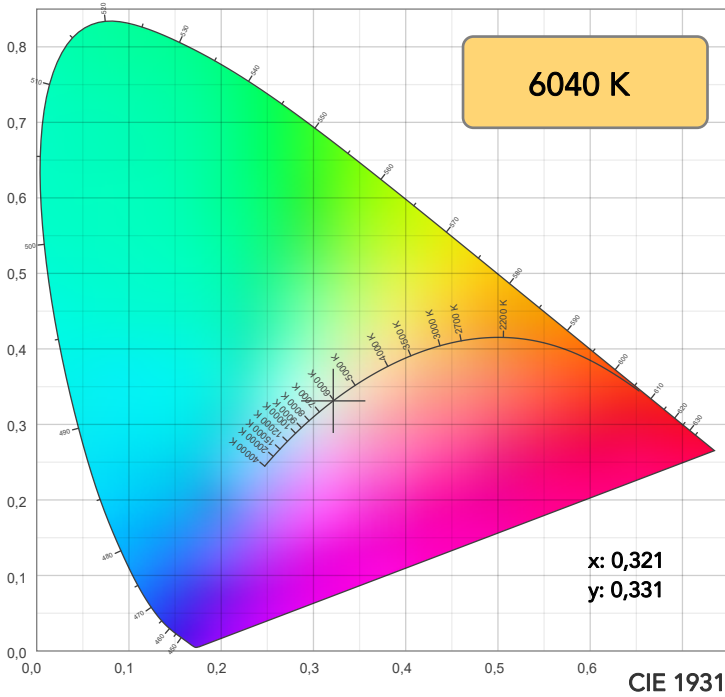
22/08/2022 18:24:15



Spectra

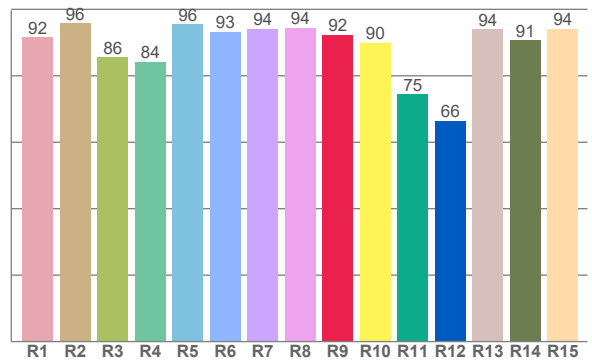
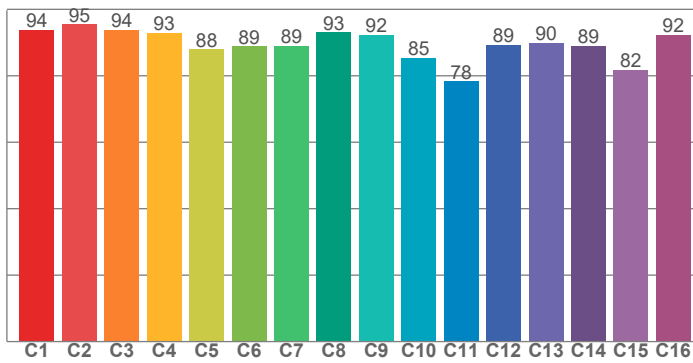






TM30: 89,5

CRI: 91,8 (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
91,7	95,9	85,6	84,2	95,6	93,2	94,1	94,5	92,3	89,9	74,5	66,4	93,9	90,7	94,1

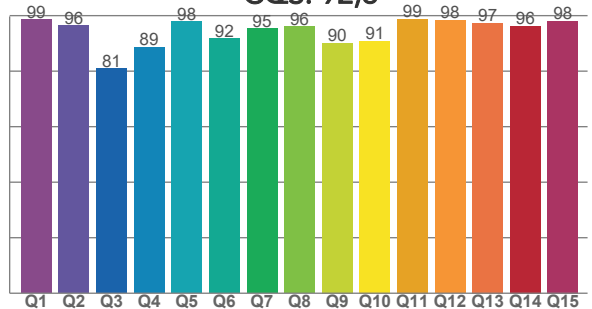
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,7	95,5	93,8	92,9	88,0	88,8	89,0	93,1	92,4	85,4	78,3	89,4	90,0	89,0	81,8	92,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,6	96,5	81,0	88,6	97,8	91,8	95,3	96,0	90,1	90,9	98,9	98,3	97,4	96,3	98,1

CQS: 92,6



COLOR PARAMETERS

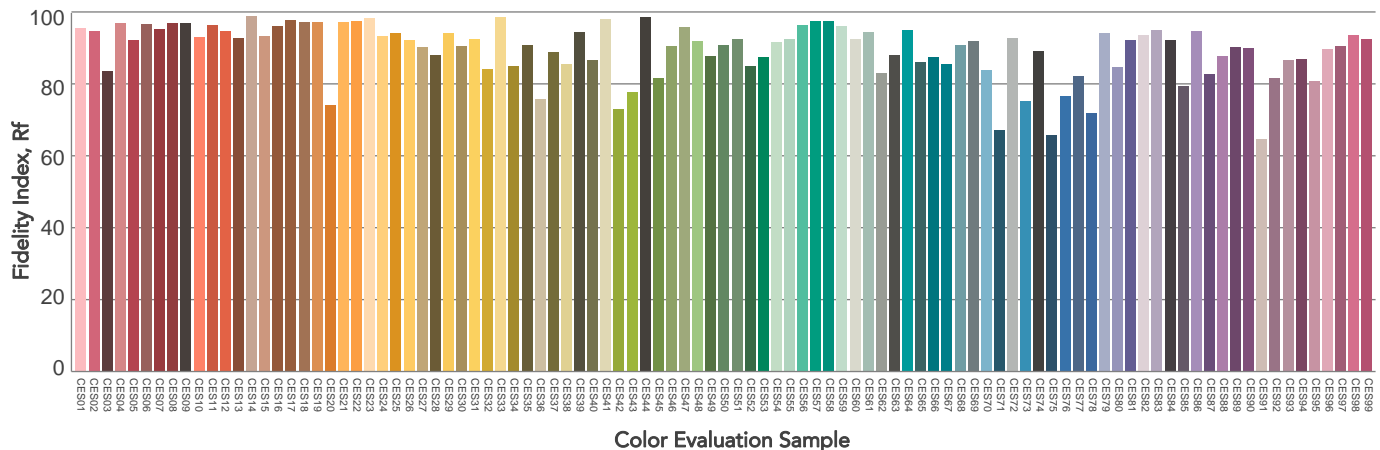
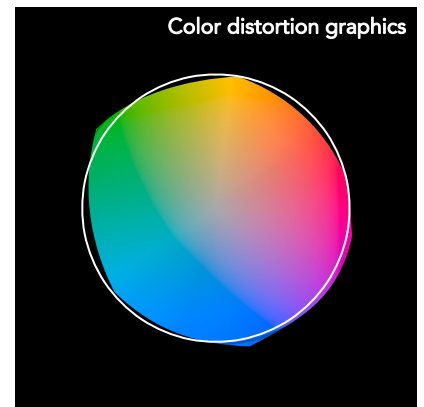
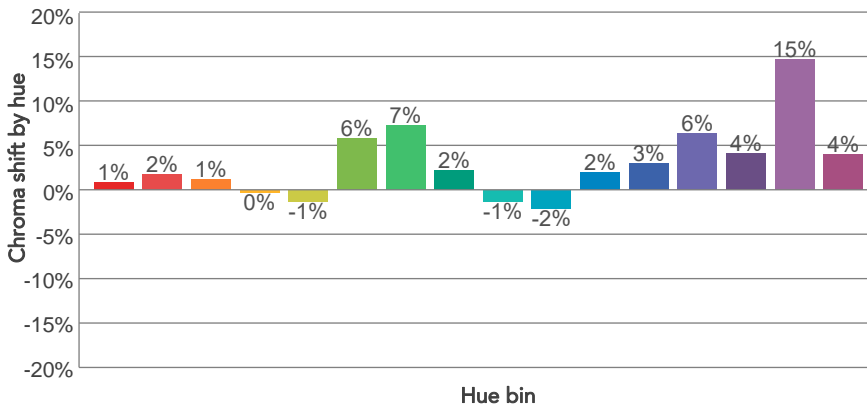
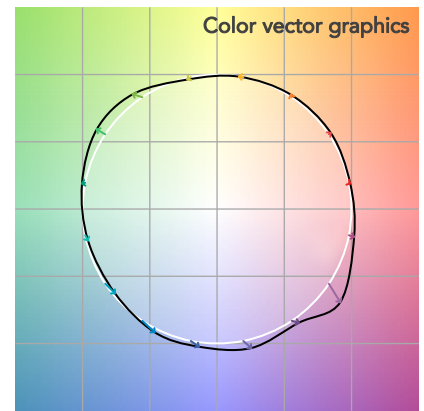
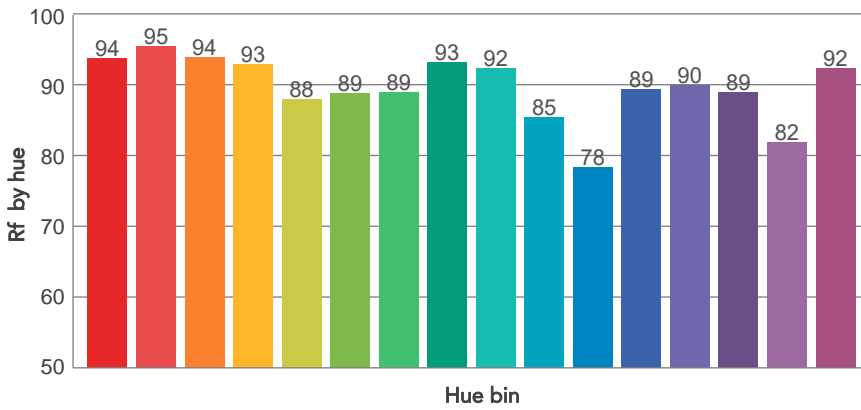
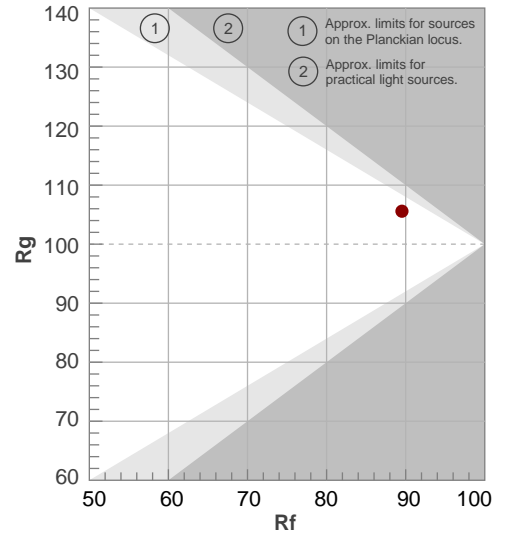
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6040 K	91,8	92,3	89,5	105,6	92,6	87	0,321	0,331	-0,0047

# TM30 DETAILS

**Rf 89,5**  
Fidelity index Rf

**Rg 105,6**  
Gammut index

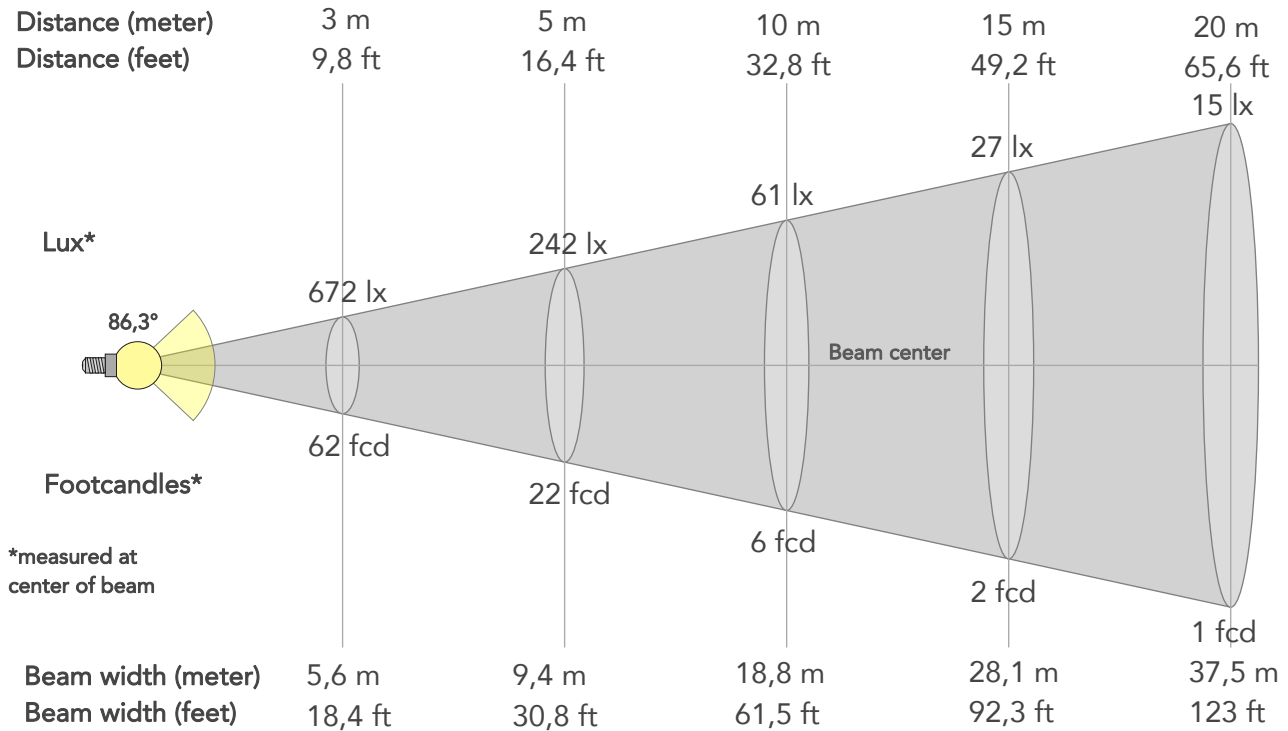
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	1%	-1%
2	95	2%	0%
3	94	1%	2%
4	93	0%	3%
5	88	-1%	3%
6	89	6%	5%
7	89	7%	0%
8	93	2%	1%
9	92	-1%	4%
10	85	-2%	10%
11	78	2%	12%
12	89	3%	7%
13	90	6%	5%
14	89	4%	4%
15	82	15%	-7%
16	92	4%	0%



# BEAM DETAILS



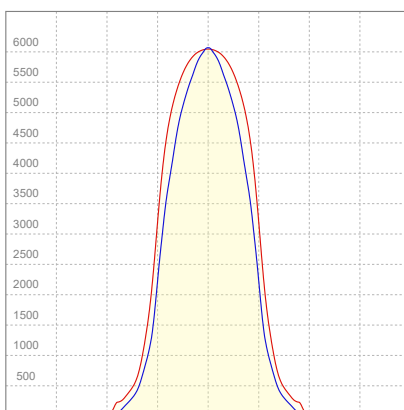
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
86,3°	123,5°	158,4°	93,0%	75,8%



## 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	6052lx	1513lx	672lx	378lx	242lx	108lx	61lx	27lx	15lx	10lx	7lx	4lx	2lx
Footcand.	562fcd	141fcd	62fcd	35fcd	22fcd	10fcd	6fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,9m	3,8m	5,6m	7,5m	9,4m	14,1m	18,8m	28,1m	37,5m	46,9m	56,3m	75m	93,8m
Beam wid.	6,2ft	12,4ft	18,4ft	24,6ft	30,8ft	46,1ft	61,5ft	92,3ft	123ft	153,8ft	184,5ft	246ft	307,6ft

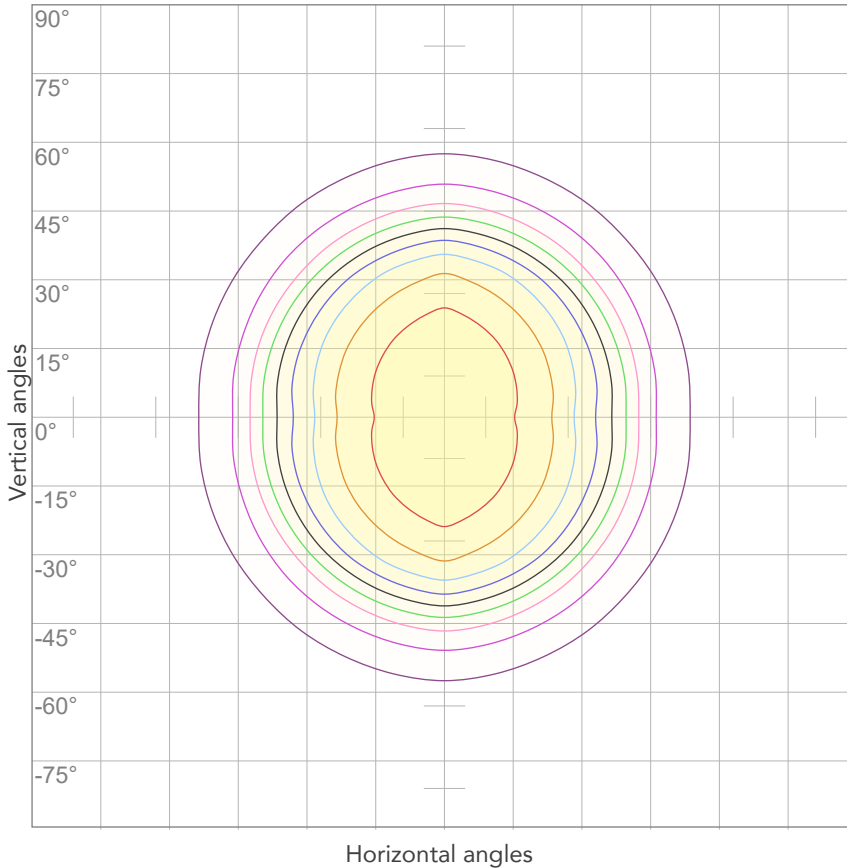
## LINEAR DISTRIBUTION DIAGRAM



## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	1,09A	235,1W	47lm/W

## ISO CANDELA DIAGRAM



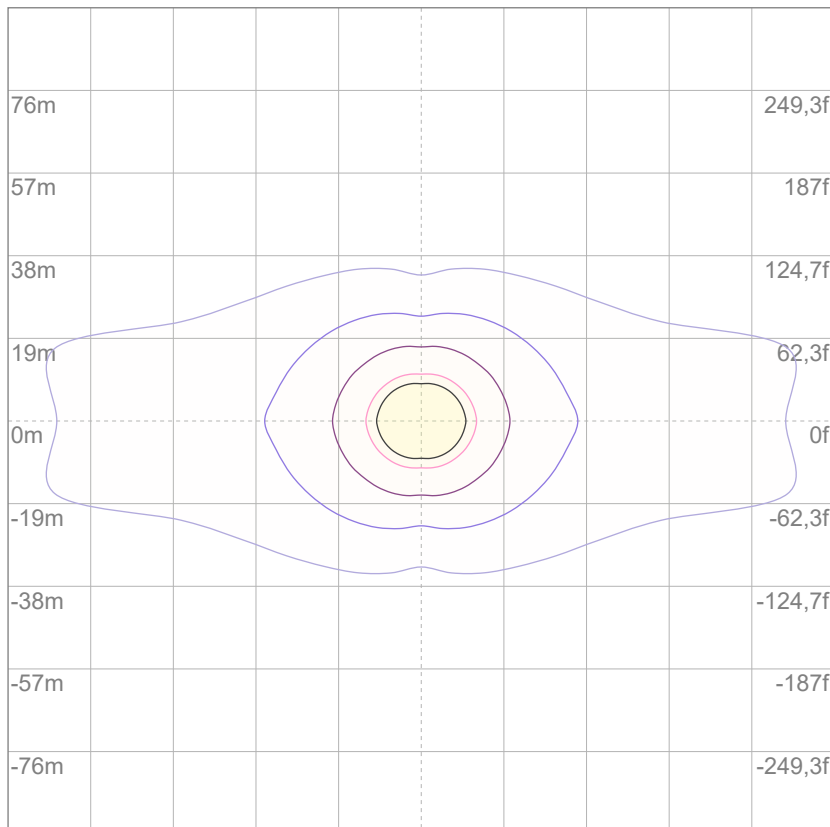
10%	605 cd
20%	1210 cd
30%	1816 cd
40%	2421 cd
50%	3026 cd
60%	3631 cd
70%	4236 cd
80%	4841 cd

Conditions:

Number of c-planes: 4

Candela at center: 6052 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,82 lx
5%	3,03 lx
10%	6,05 lx
30%	18,2 lx
50%	30,3 lx

Conditions:

Number of c-planes: 4

Lux at center: 60,5 lx

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