



Photometric Test Report



ECLFS PRLZ1530

High power RGBL full spectrum ellipsoidal LED

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TESTING PROCESS

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

Prolights measurement instrument

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

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

Prolights measurement software

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

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



Total lumen output:

7001 lm

Peak candela output:

37697 cd

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ1530 - Max Zoom

Target:

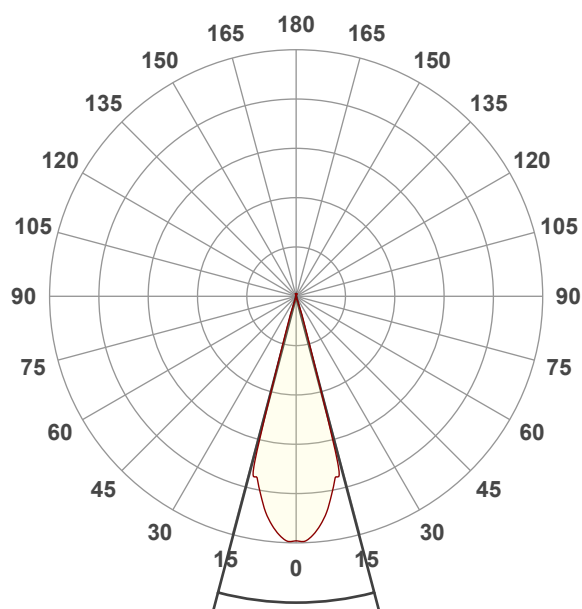
Full On

Operator:

Paolo Carvone

Date and time:

26/10/2022 13:09:41

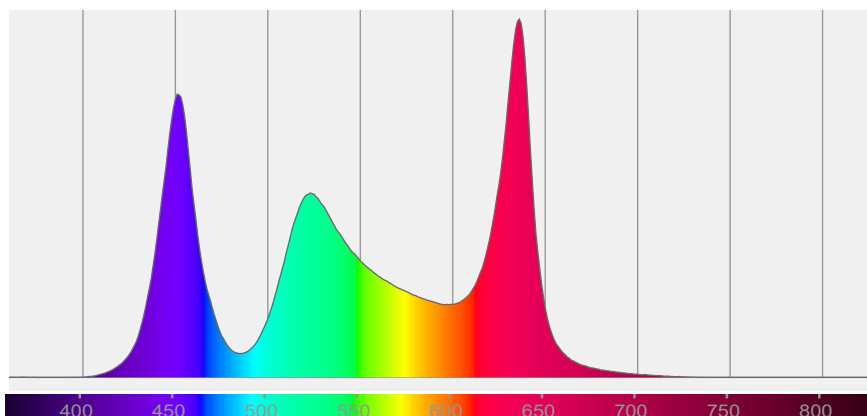


Beam angle 50%: 29,5°

Field angle 10%: 33,5°

Cut off angle 2.5%: 35,4°

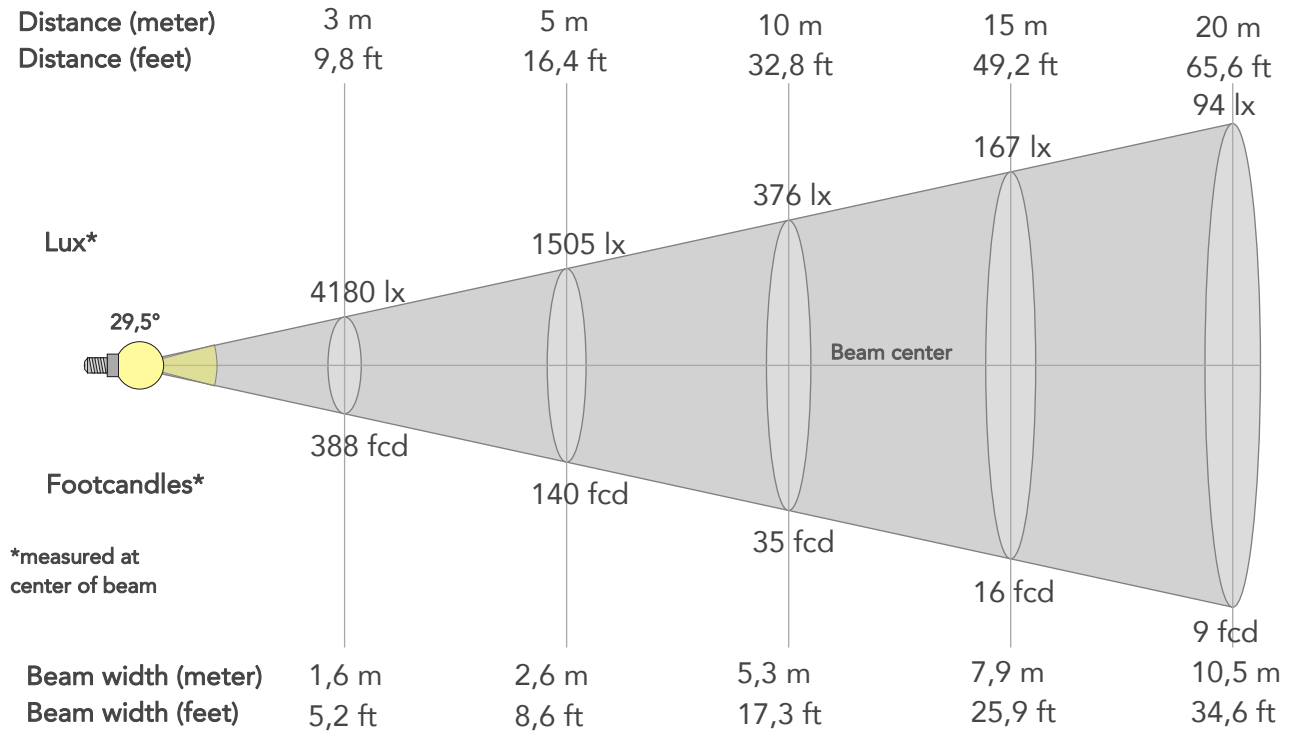
Spectra



BEAM DETAILS



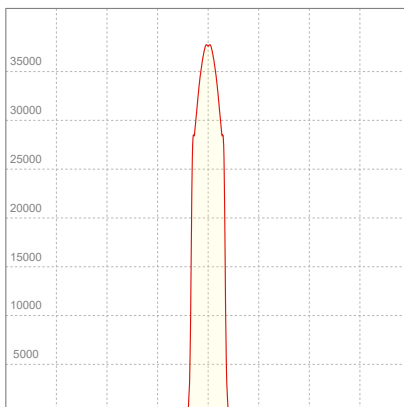
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29,5°	33,5°	35,4°	100,0%	100,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3761lx	9404lx	4180lx	2351lx	1505lx	669lx	376lx	167lx	94lx	60lx	42lx	24lx	15lx
Footcand.	3495fcd	874fcd	388fcd	218fcd	140fcd	62fcd	35fcd	16fcd	9fcd	6fcd	4fcd	2fcd	1fcd
Beam wid.	0,5m	1,1m	1,6m	2,1m	2,6m	4m	5,3m	7,9m	10,5m	13,2m	15,8m	21,1m	26,4m
Beam wid.	1,7ft	3,5ft	5,2ft	6,9ft	8,6ft	13ft	17,3ft	25,9ft	34,6ft	43,2ft	51,9ft	69,2ft	86,5ft

LINEAR DISTRIBUTION DIAGRAM

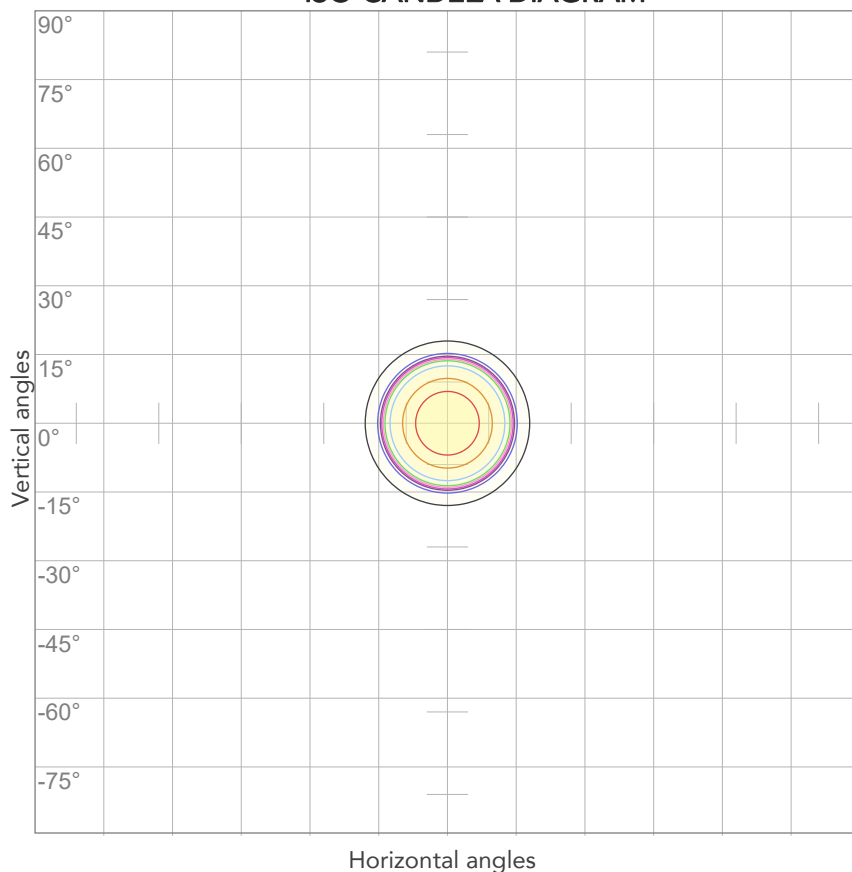


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,928A	201,5W	35lm/W

Power FC
0,96

ISO CANDELA DIAGRAM



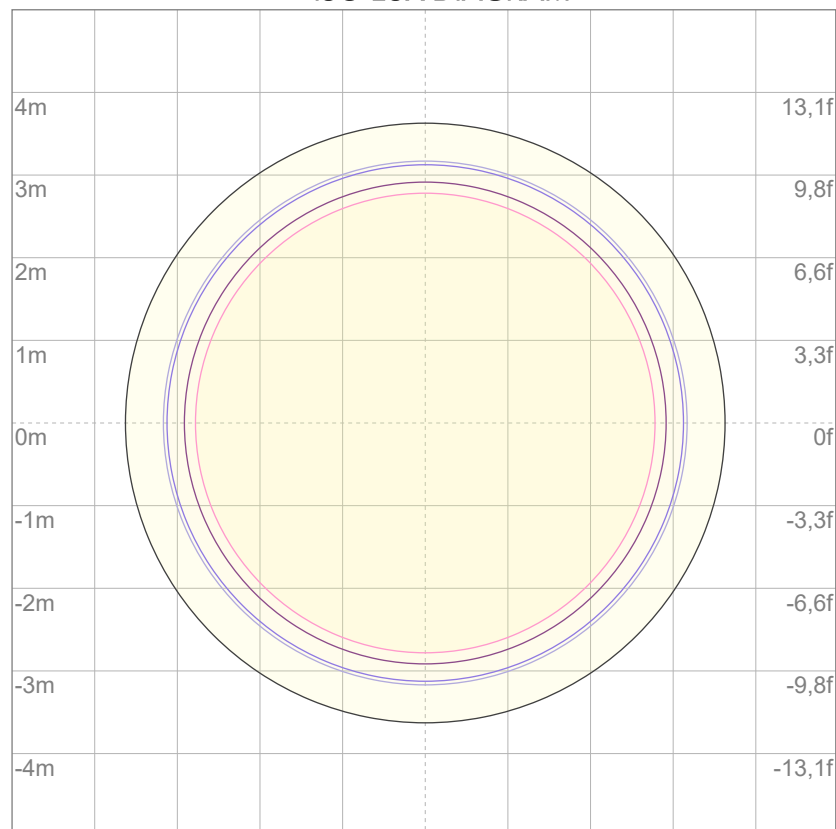
10%	3762 cd
20%	7523 cd
30%	11285 cd
40%	15046 cd
50%	18808 cd
60%	22569 cd
70%	26331 cd
80%	30093 cd

Conditions:

Number of c-planes: 2

Candela at center: 37616 cd

ISO LUX DIAGRAM



3%	11,3 lx
5%	18,8 lx
10%	37,6 lx
30%	113 lx
50%	188 lx

Conditions:

Number of c-planes: 2

Lux at center: 376 lx

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



Total lumen output:

5860 lm

Peak candela output:

138583 cd

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ1530 - Min Zoom

Target:

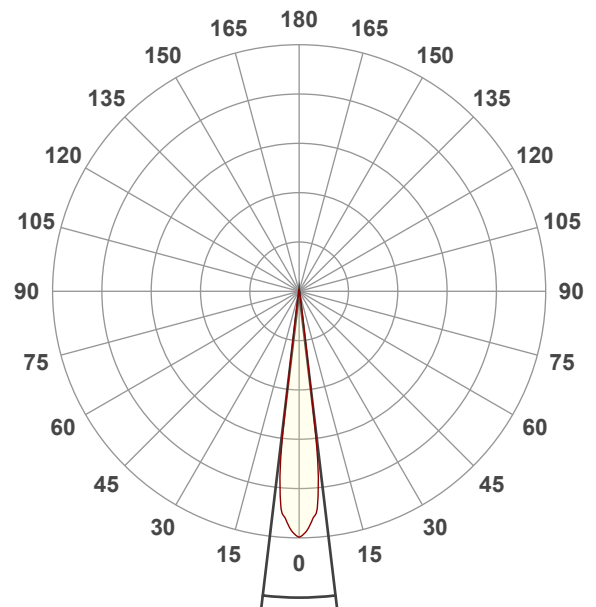
Full On

Operator:

Paolo Carvone

Date and time:

26/10/2022 11:39:04

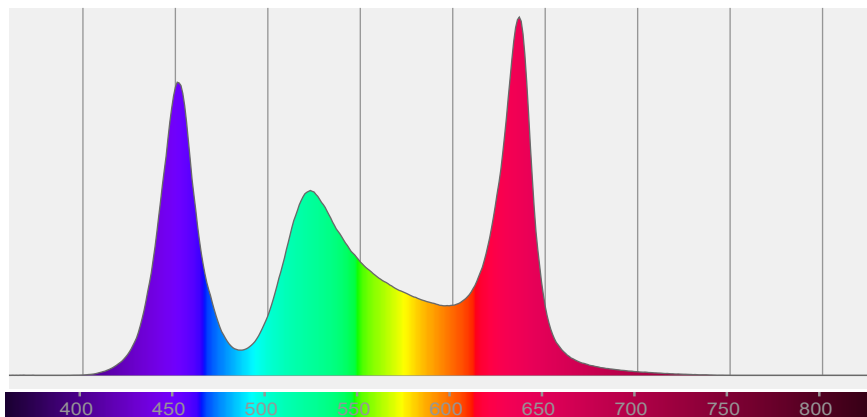


Beam angle 50%: 13,6°

Field angle 10%: 15,8°

Cut off angle 2.5%: 18,1°

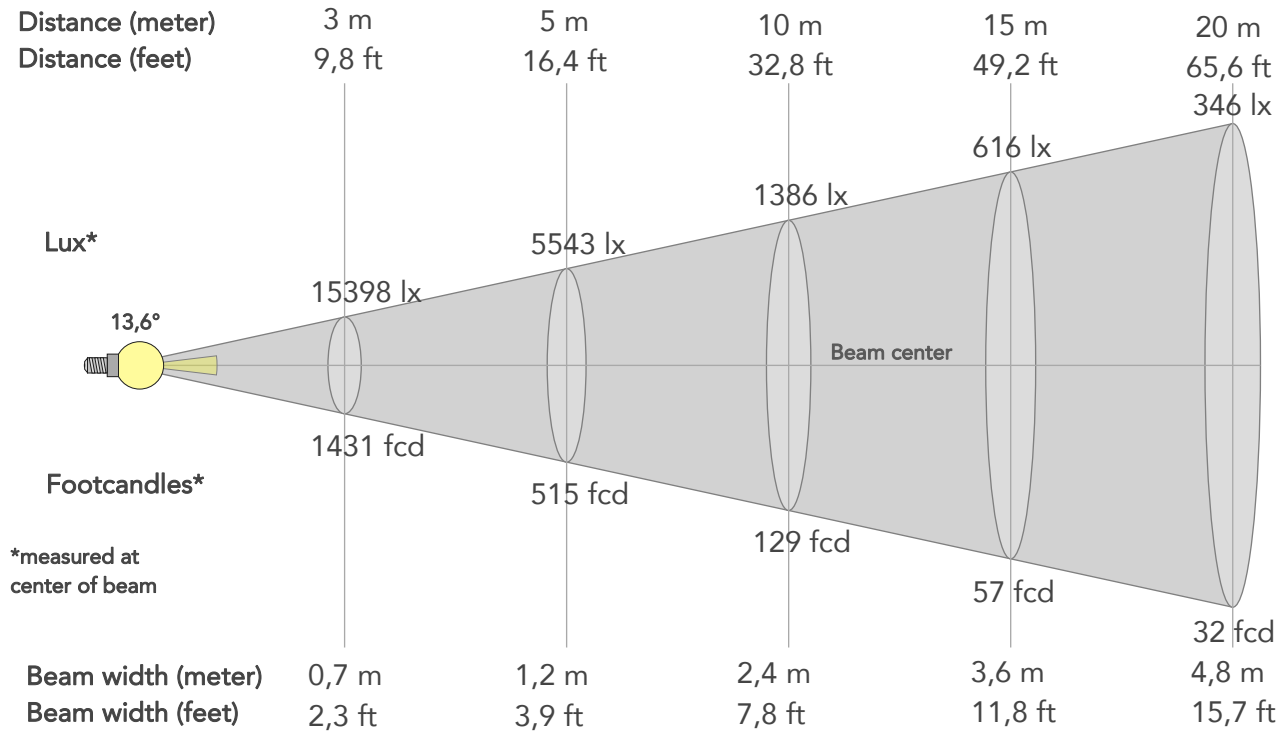
Spectra



BEAM DETAILS



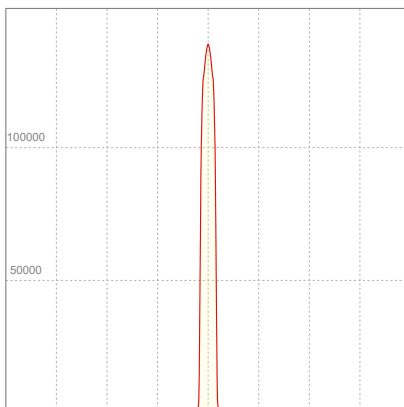
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
13,6°	15,8°	18,1°	100,0%	100,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	138583lx	34646lx	15398lx	8661lx	5543lx	2464lx	1386lx	616lx	346lx	222lx	154lx	87lx	55lx
Footcand.	12875fcd	3219fcd	1431fcd	805fcd	515fcd	229fcd	129fcd	57fcd	32fcd	21fcd	14fcd	8fcd	5fcd
Beam wid.	0,2m	0,5m	0,7m	1m	1,2m	1,8m	2,4m	3,6m	4,8m	6m	7,2m	9,6m	12m
Beam wid.	0,8ft	1,6ft	2,3ft	3,1ft	3,9ft	5,9ft	7,8ft	11,8ft	15,7ft	19,6ft	23,5ft	31,4ft	39,2ft

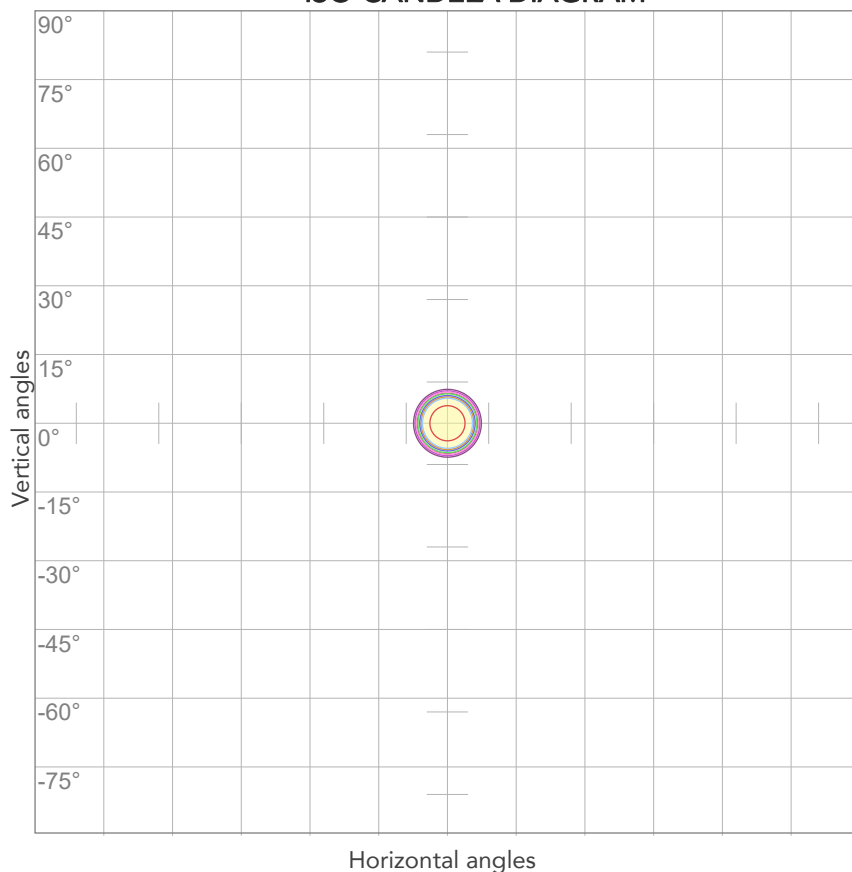
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,926A	200,6W	29lm/W
Power FC			
0,95			

ISO CANDELA DIAGRAM



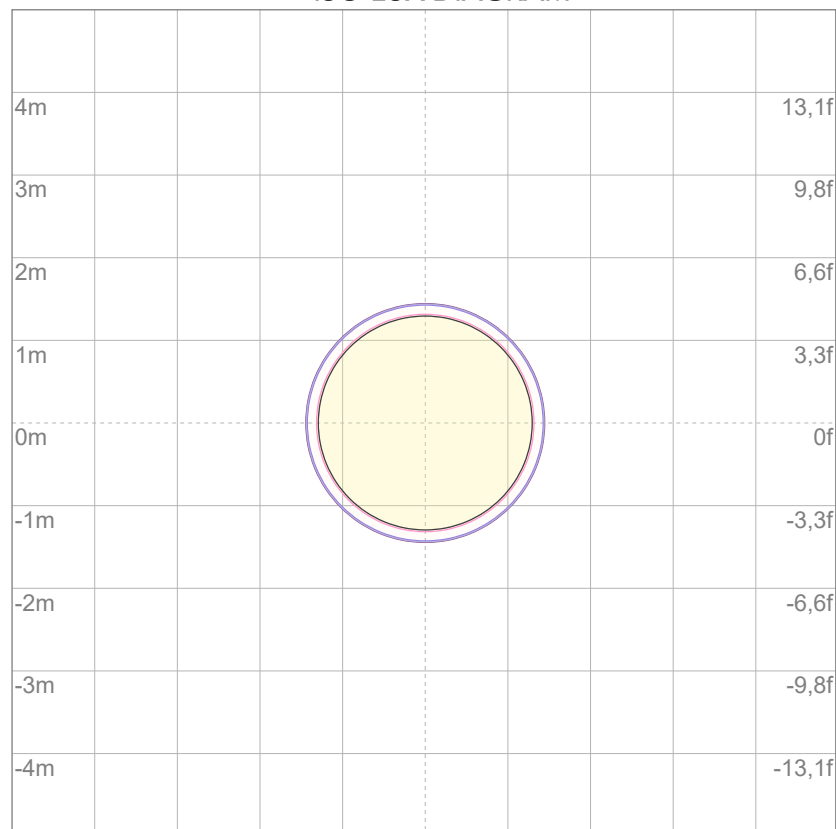
10%	13858 cd
20%	27717 cd
30%	41575 cd
40%	55433 cd
50%	69292 cd
60%	83150 cd
70%	97008 cd
80%	110866 cd

Conditions:

Number of c-planes: 2

Candela at center: 138583 cd

ISO LUX DIAGRAM



3%	41,6 lx
5%	69,3 lx
10%	139 lx
30%	416 lx
50%	693 lx

Conditions:

Number of c-planes: 2

Lux at center: 1386 lx

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



Total lumen output:

1113 lm

Peak candela output:

6096 cd

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ1530 - Max Zoom

Target:

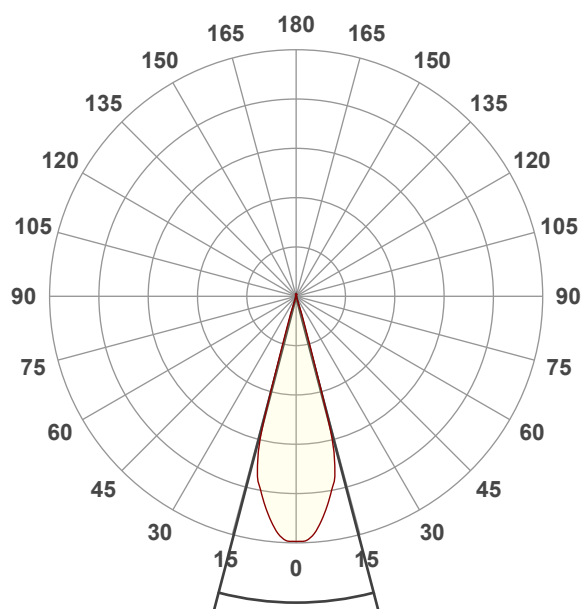
Red

Operator:

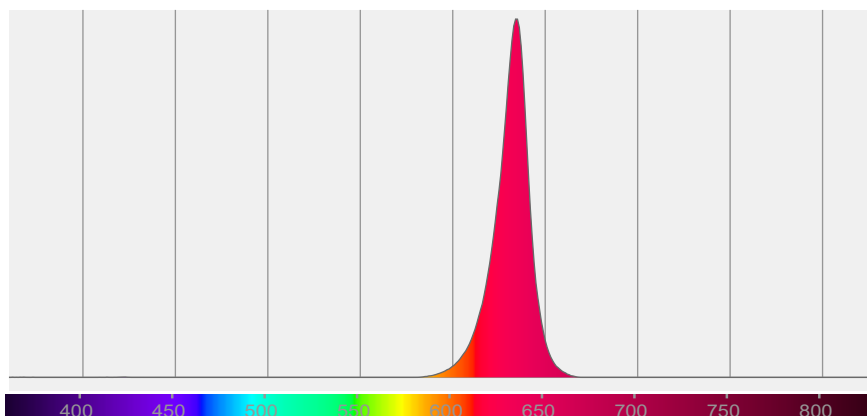
Paolo Carvone

Date and time:

26/10/2022 13:04:41

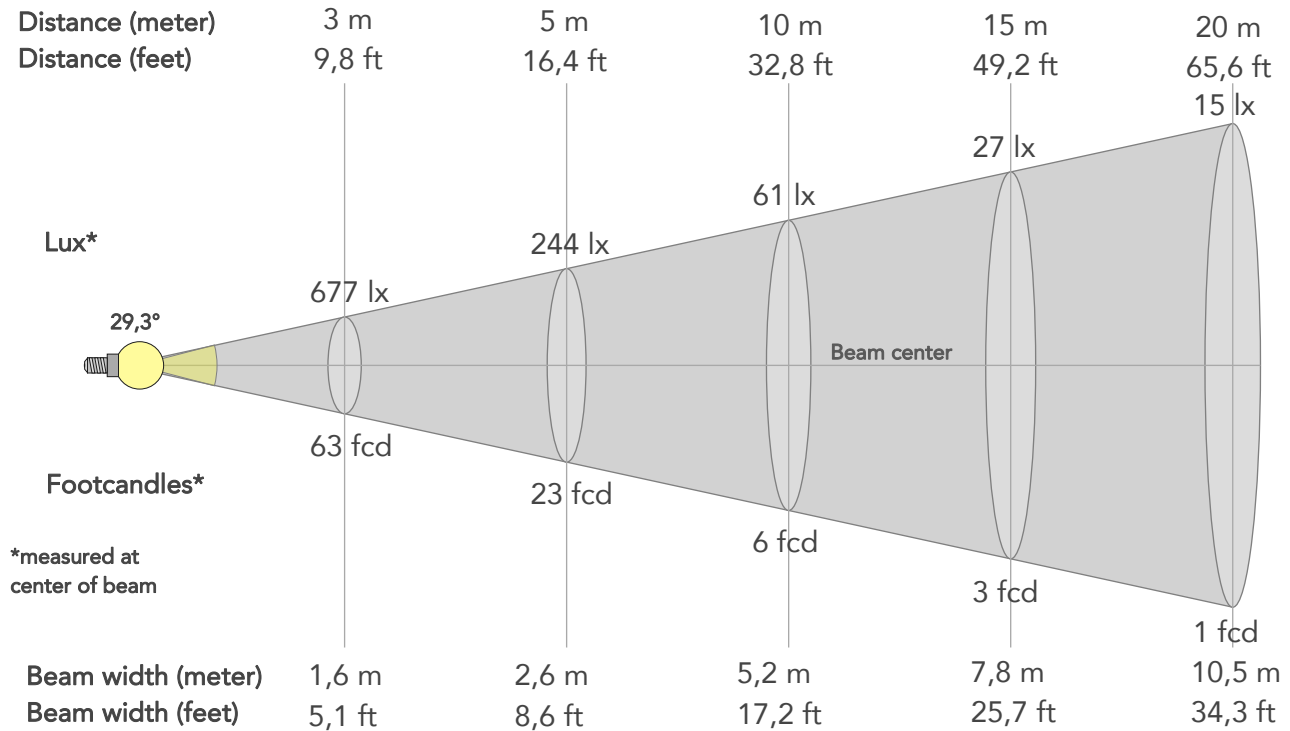


Spectra



BEAM DETAILS

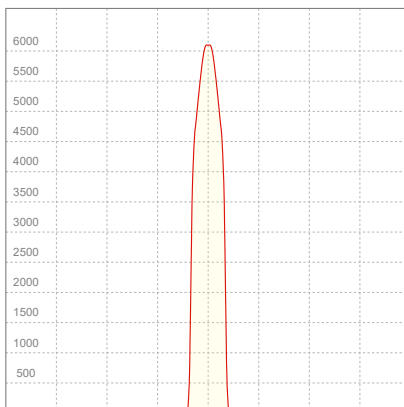
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29,3°	33,8°	36°	100,0%	100,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6096lx	1524lx	677lx	381lx	244lx	108lx	61lx	27lx	15lx	10lx	7lx	4lx	2lx
Footcand.	566fcd	142fcd	63fcd	35fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,6m	2,1m	2,6m	3,9m	5,2m	7,8m	10,5m	13,1m	15,7m	20,9m	26,2m
Beam wid.	1,7ft	3,5ft	5,1ft	6,9ft	8,6ft	12,9ft	17,2ft	25,7ft	34,3ft	42,9ft	51,5ft	68,7ft	85,8ft

LINEAR DISTRIBUTION DIAGRAM

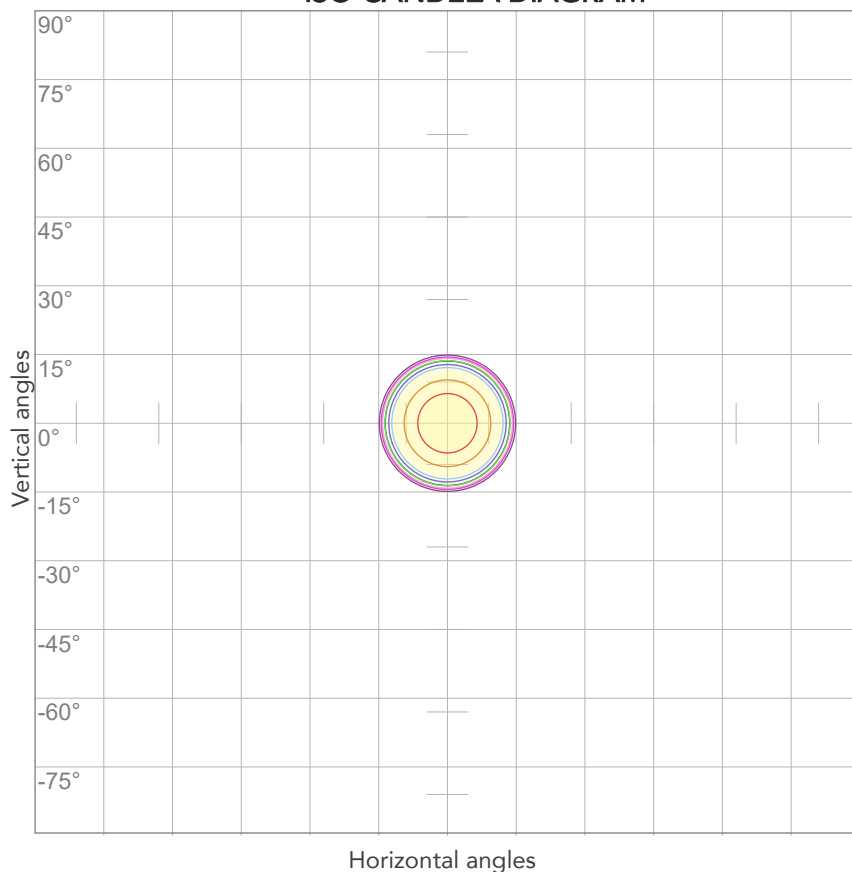


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,270A	45,4W	25lm/W

Power FC
0,74

ISO CANDELA DIAGRAM



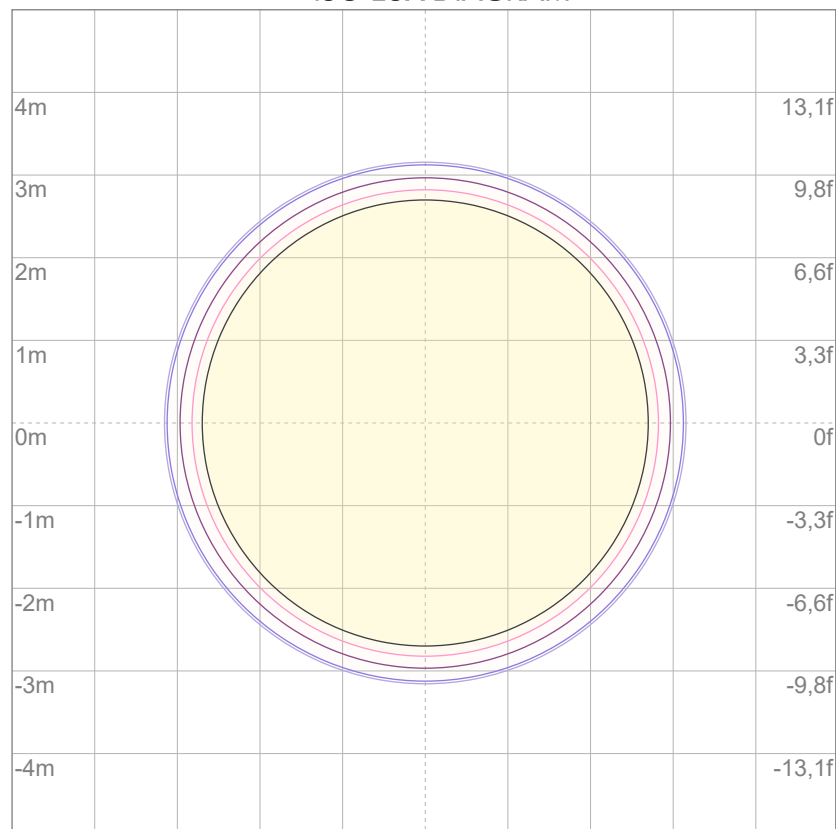
10%	610 cd
20%	1219 cd
30%	1829 cd
40%	2438 cd
50%	3048 cd
60%	3657 cd
70%	4267 cd
80%	4876 cd

Conditions:

Number of c-planes: 2

Candela at center: 6096 cd

ISO LUX DIAGRAM



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

Conditions:

Number of c-planes: 2

Lux at center: 61,0 lx

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



Total lumen output:

955 lm

Peak candela output:

23466 cd

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ1530 - Min Zoom

Target:

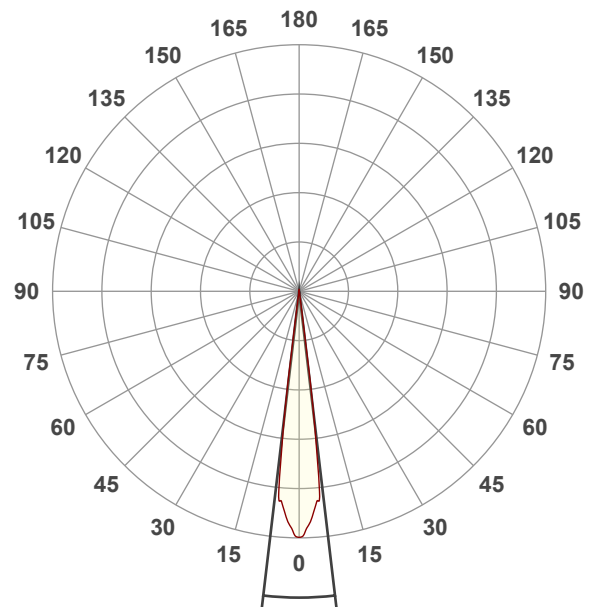
Red

Operator:

Paolo Carvone

Date and time:

26/10/2022 11:41:14

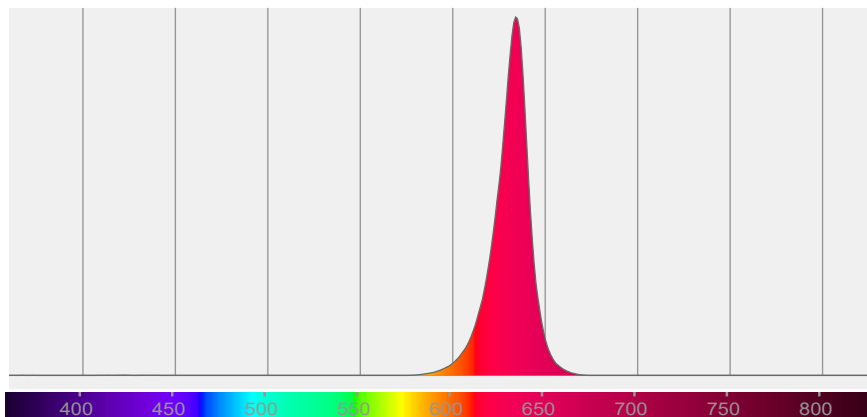


Beam angle 50%: 13,4°

Field angle 10%: 15,4°

Cut off angle 2.5%: 16,8°

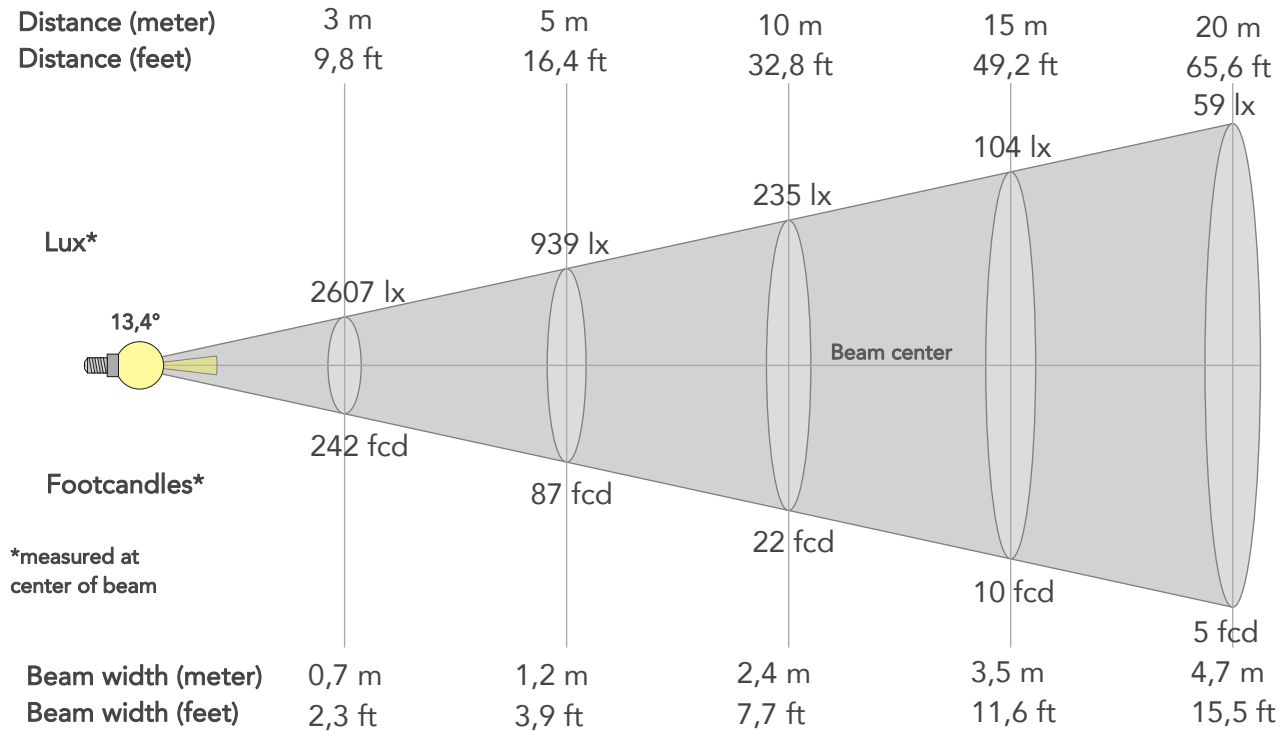
Spectra



BEAM DETAILS



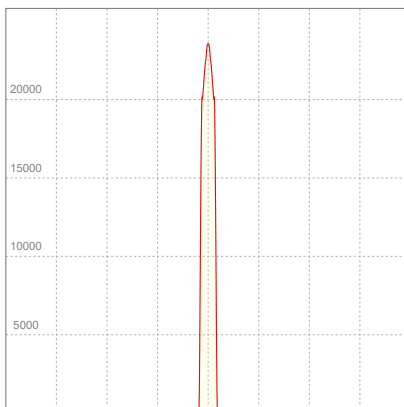
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
13,4°	15,4°	16,8°	100,0%	100,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	23466lx	5866lx	2607lx	1467lx	939lx	417lx	235lx	104lx	59lx	38lx	26lx	15lx	9lx
Footcand.	2180fcd	545fcd	242fcd	136fcd	87fcd	39fcd	22fcd	10fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,2m	0,5m	0,7m	0,9m	1,2m	1,8m	2,4m	3,5m	4,7m	5,9m	7,1m	9,4m	11,8m
Beam wid.	0,8ft	1,6ft	2,3ft	3,1ft	3,9ft	5,8ft	7,7ft	11,6ft	15,5ft	19,3ft	23,2ft	30,9ft	38,7ft

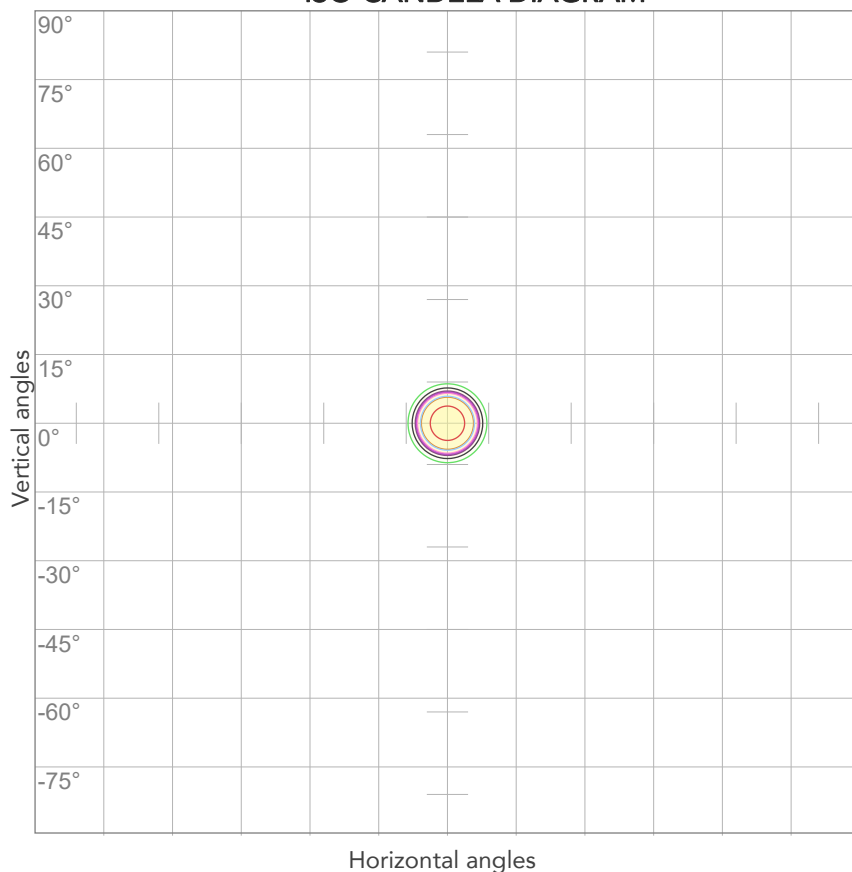
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,274A	46,2W	21lm/W
Power FC			
0,74			

ISO CANDELA DIAGRAM



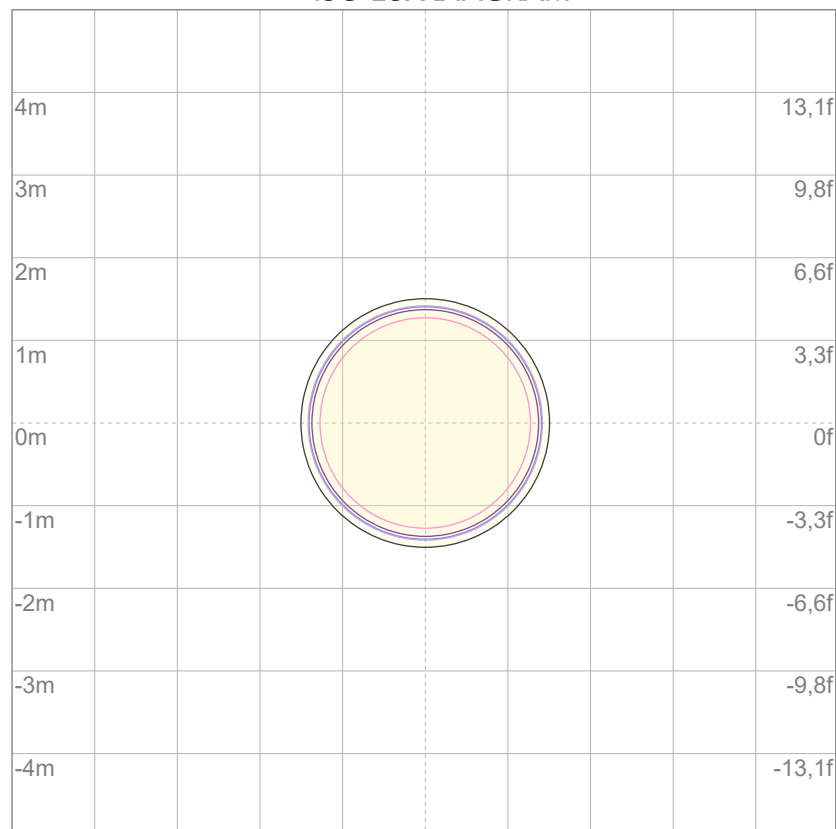
10%	2347 cd
20%	4693 cd
30%	7040 cd
40%	9386 cd
50%	11733 cd
60%	14079 cd
70%	16426 cd
80%	18772 cd

Conditions:

Number of c-planes: 2

Candela at center: 23466 cd

ISO LUX DIAGRAM



3%	7,04 lx
5%	11,7 lx
10%	23,5 lx
30%	70,4 lx
50%	117 lx

Conditions:

Number of c-planes: 2

Lux at center: 235 lx

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



Total lumen output:

1730 lm

Peak candela output:

9838 cd

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ1530 - Max Zoom

Target:

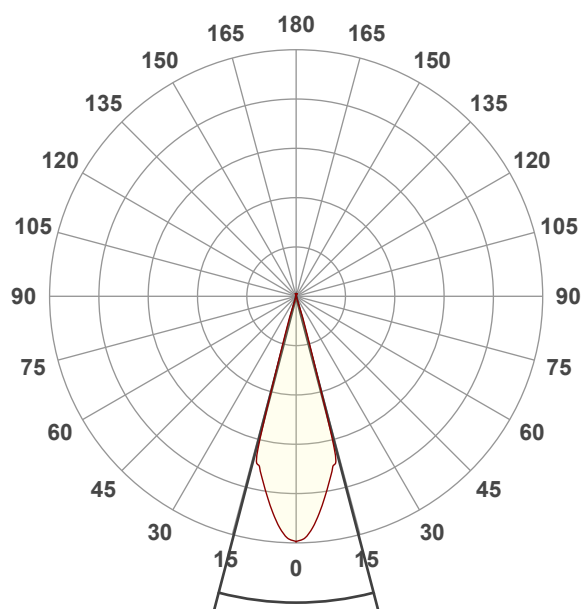
Green

Operator:

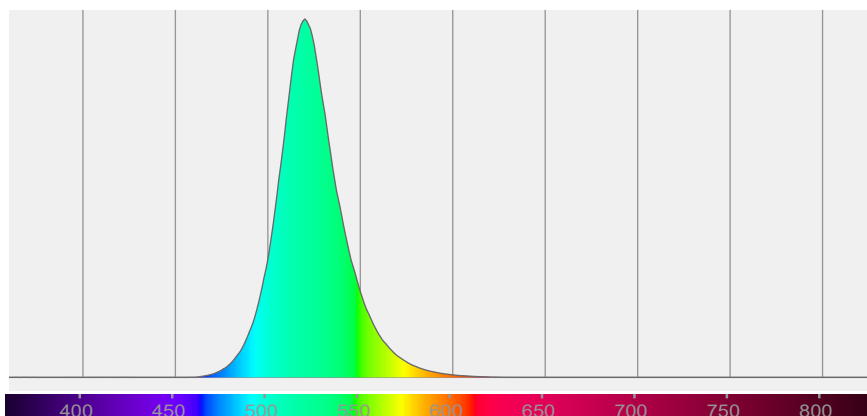
Paolo Carvone

Date and time:

26/10/2022 13:06:32



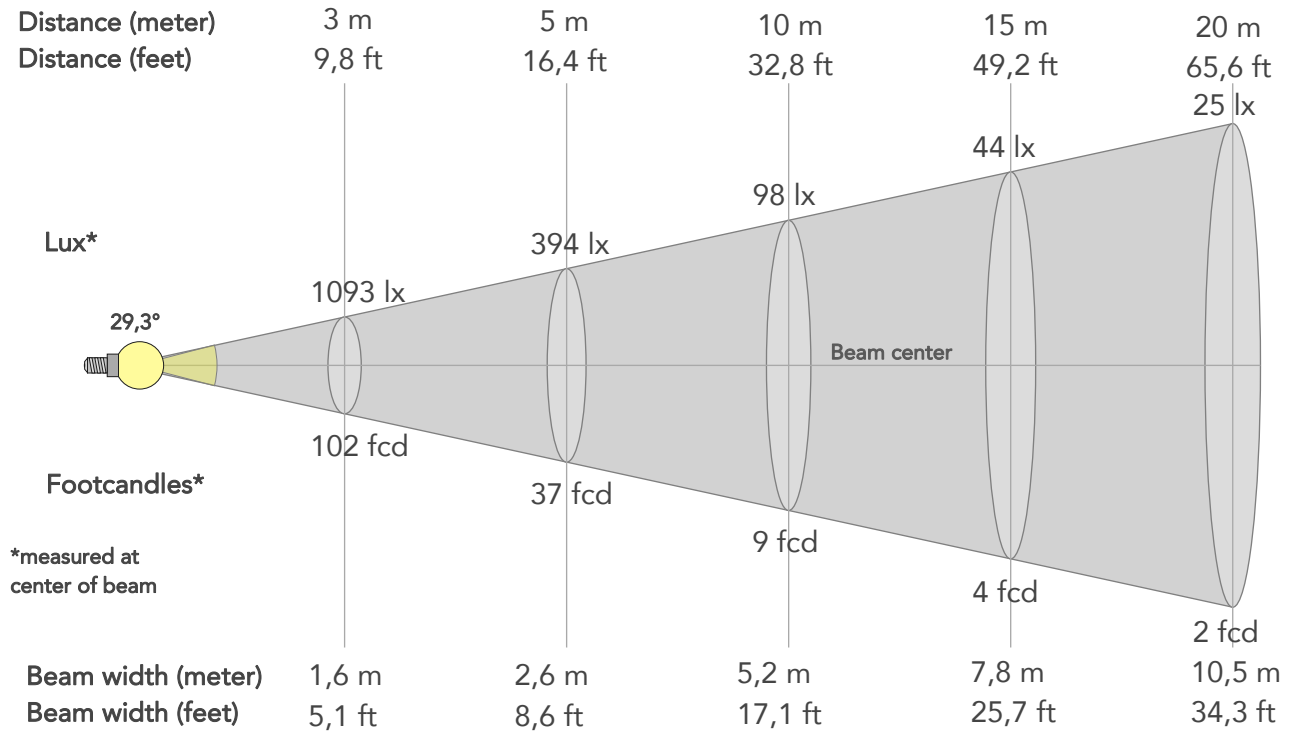
Spectra



BEAM DETAILS



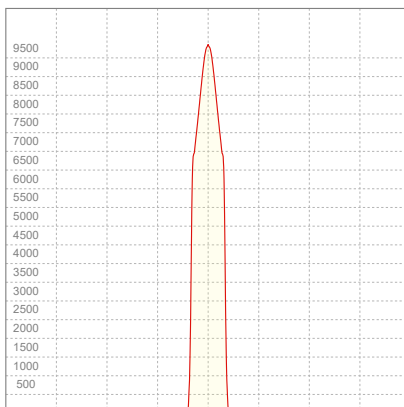
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29,3°	33,6°	35,5°	100,0%	100,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	9838lx	2459lx	1093lx	615lx	394lx	175lx	98lx	44lx	25lx	16lx	11lx	6lx	4lx
Footcand.	914fcd	228fcd	102fcd	57fcd	37fcd	16fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,5m	1m	1,6m	2,1m	2,6m	3,9m	5,2m	7,8m	10,5m	13,1m	15,7m	20,9m	26,1m
Beam wid.	1,7ft	3,5ft	5,1ft	6,8ft	8,6ft	12,9ft	17,1ft	25,7ft	34,3ft	42,9ft	51,4ft	68,6ft	85,7ft

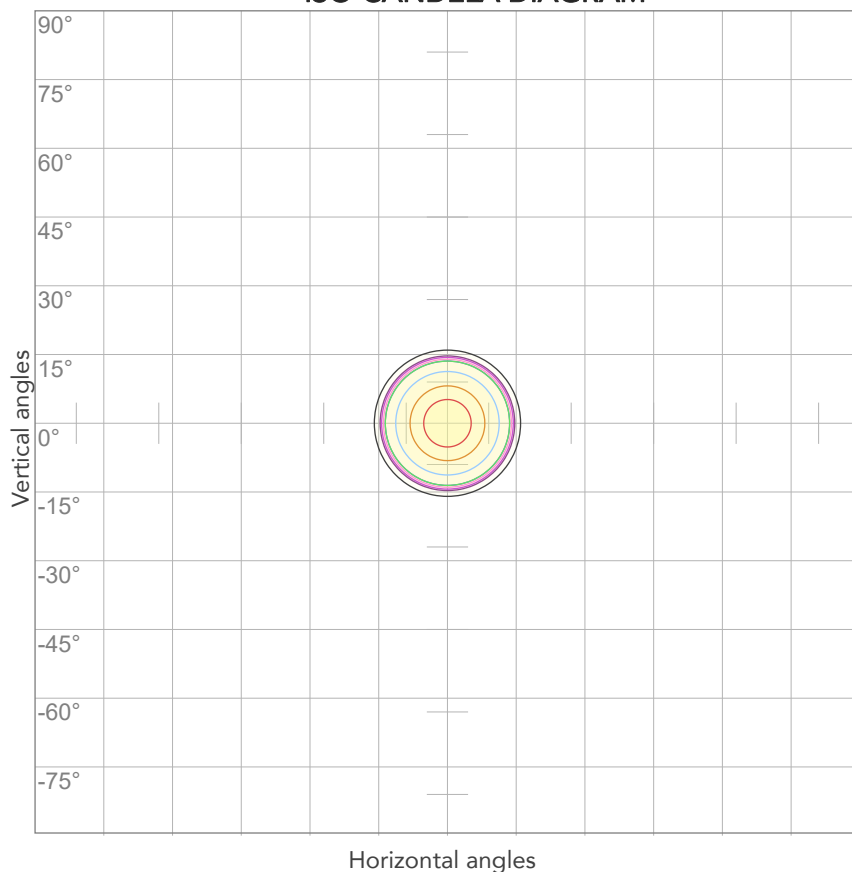
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,286A	49,6W	35lm/W
Power FC			
0,76			

ISO CANDELA DIAGRAM



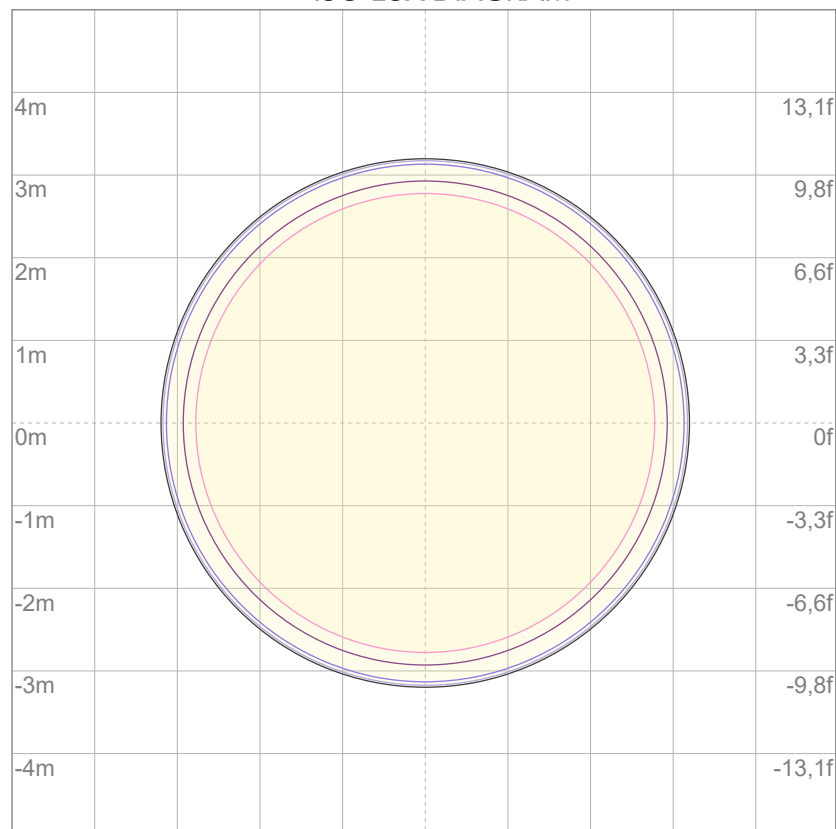
10%	984 cd
20%	1968 cd
30%	2951 cd
40%	3935 cd
50%	4919 cd
60%	5903 cd
70%	6887 cd
80%	7870 cd

Conditions:

Number of c-planes: 2

Candela at center: 9838 cd

ISO LUX DIAGRAM



3%	2,95 lx
5%	4,92 lx
10%	9,84 lx
30%	29,5 lx
50%	49,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 98,4 lx

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



Total lumen output:

1460 lm

Peak candela output:

40233 cd

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ1530 - Min Zoom

Target:

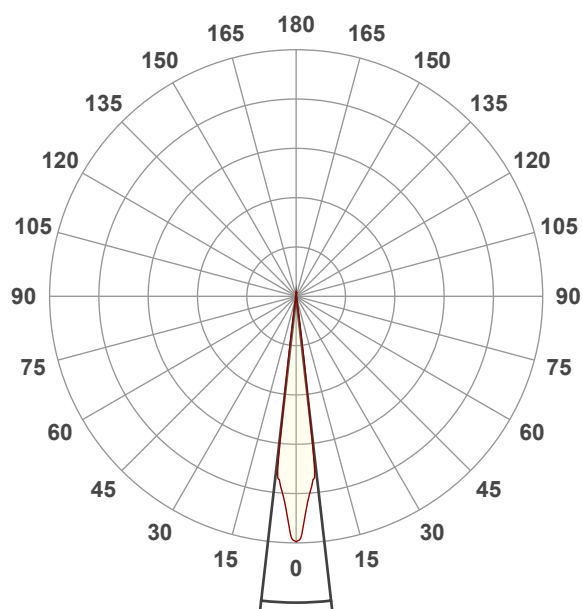
Green

Operator:

Paolo Carvone

Date and time:

26/10/2022 11:56:33

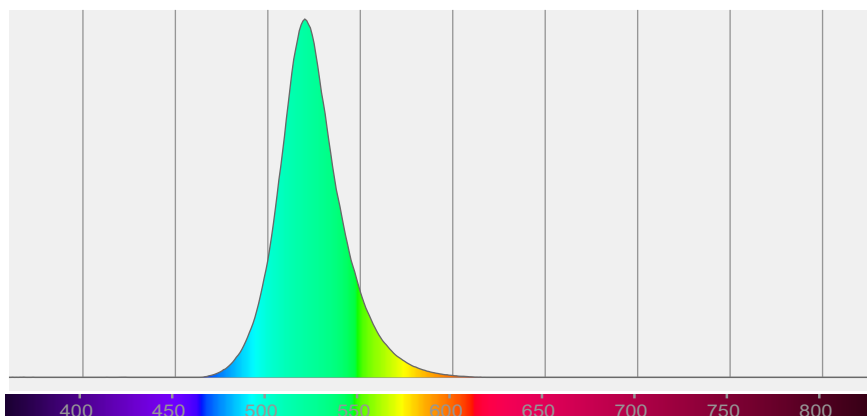


Beam angle 50%: 13,1°

Field angle 10%: 15,4°

Cut off angle 2.5%: 16,1°

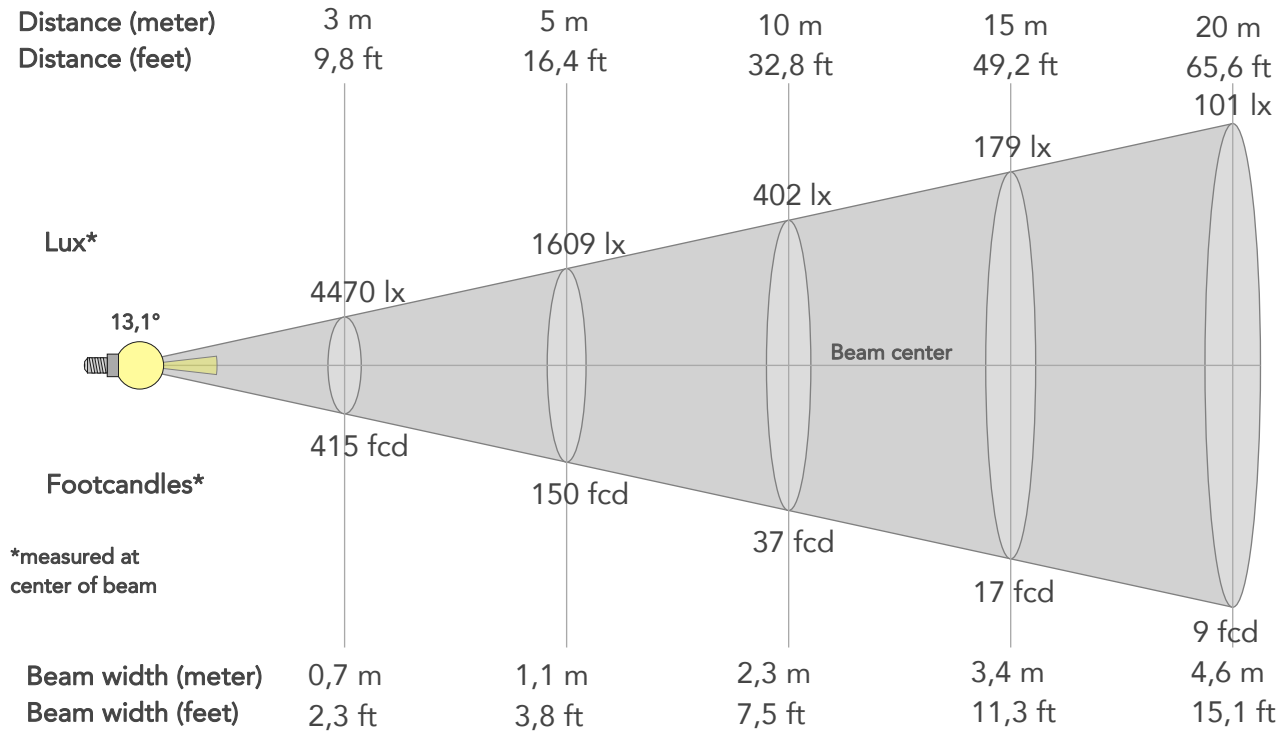
Spectra



BEAM DETAILS



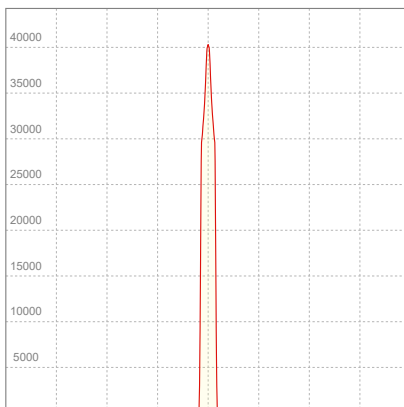
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
13,1°	15,4°	16,1°	100,0%	100,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	40233lx	10058lx	4470lx	2515lx	1609lx	715lx	402lx	179lx	101lx	64lx	45lx	25lx	16lx
Footcand.	3738fcd	934fcd	415fcd	234fcd	150fcd	66fcd	37fcd	17fcd	9fcd	6fcd	4fcd	2fcd	1fcd
Beam wid.	0,2m	0,5m	0,7m	0,9m	1,1m	1,7m	2,3m	3,4m	4,6m	5,7m	6,9m	9,2m	11,5m
Beam wid.	0,8ft	1,5ft	2,3ft	3ft	3,8ft	5,7ft	7,5ft	11,3ft	15,1ft	18,8ft	22,6ft	30,1ft	37,7ft

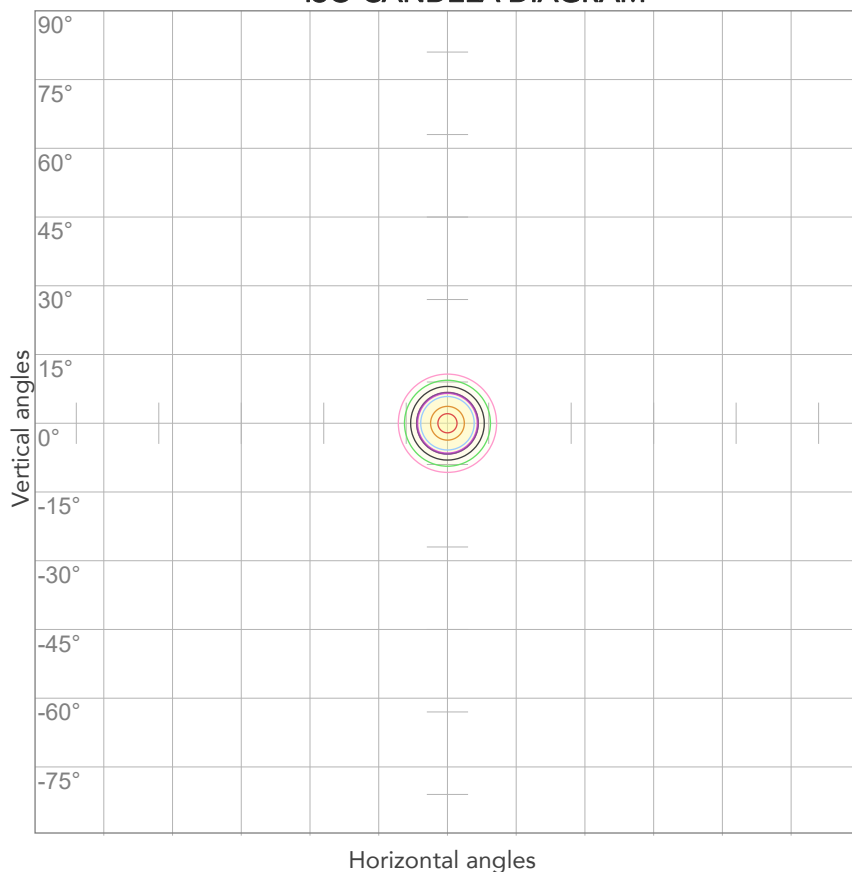
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,286A	49,5W	30lm/W
Power FC			
0,76			

ISO CANDELA DIAGRAM



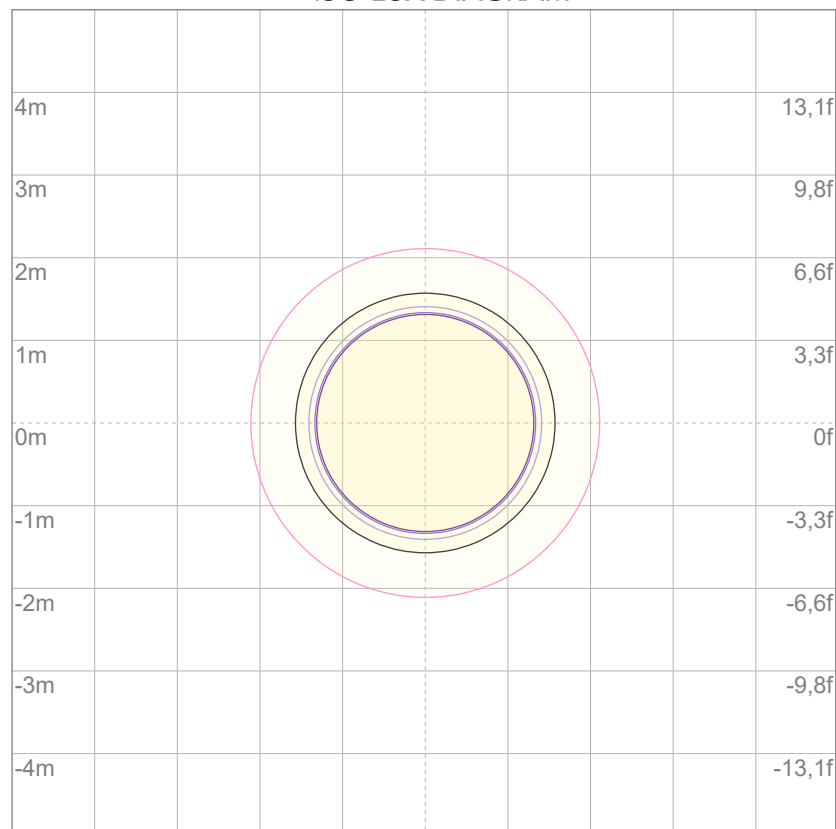
10%	4023 cd
20%	8047 cd
30%	12070 cd
40%	16093 cd
50%	20117 cd
60%	24140 cd
70%	28163 cd
80%	32187 cd

Conditions:

Number of c-planes: 2

Candela at center: 40233 cd

ISO LUX DIAGRAM



3%	12,1 lx
5%	20,1 lx
10%	40,2 lx
30%	121 lx
50%	201 lx

Conditions:

Number of c-planes: 2

Lux at center: 402 lx

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



Total lumen output:

242 lm

Peak candela output:

1402 cd

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ1530 - Max Zoom

Target:

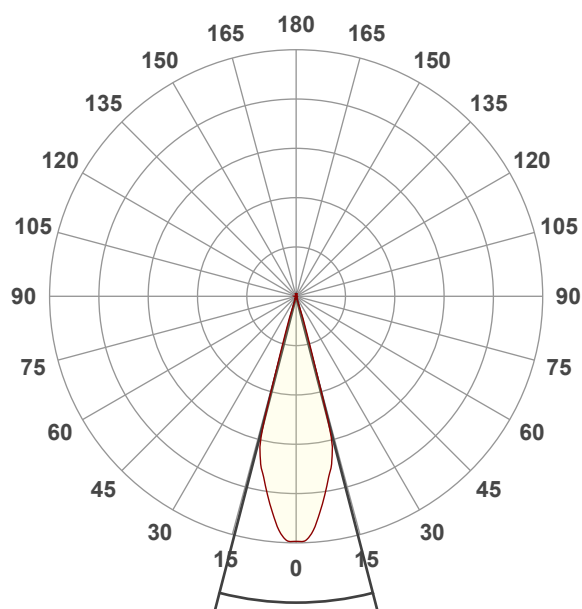
Blue

Operator:

Paolo Carvone

Date and time:

26/10/2022 13:02:01

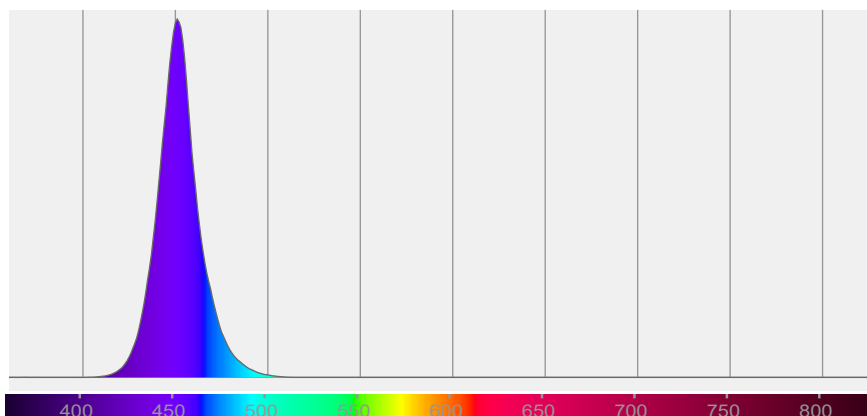


Beam angle 50%: 29°

Field angle 10%: 33,8°

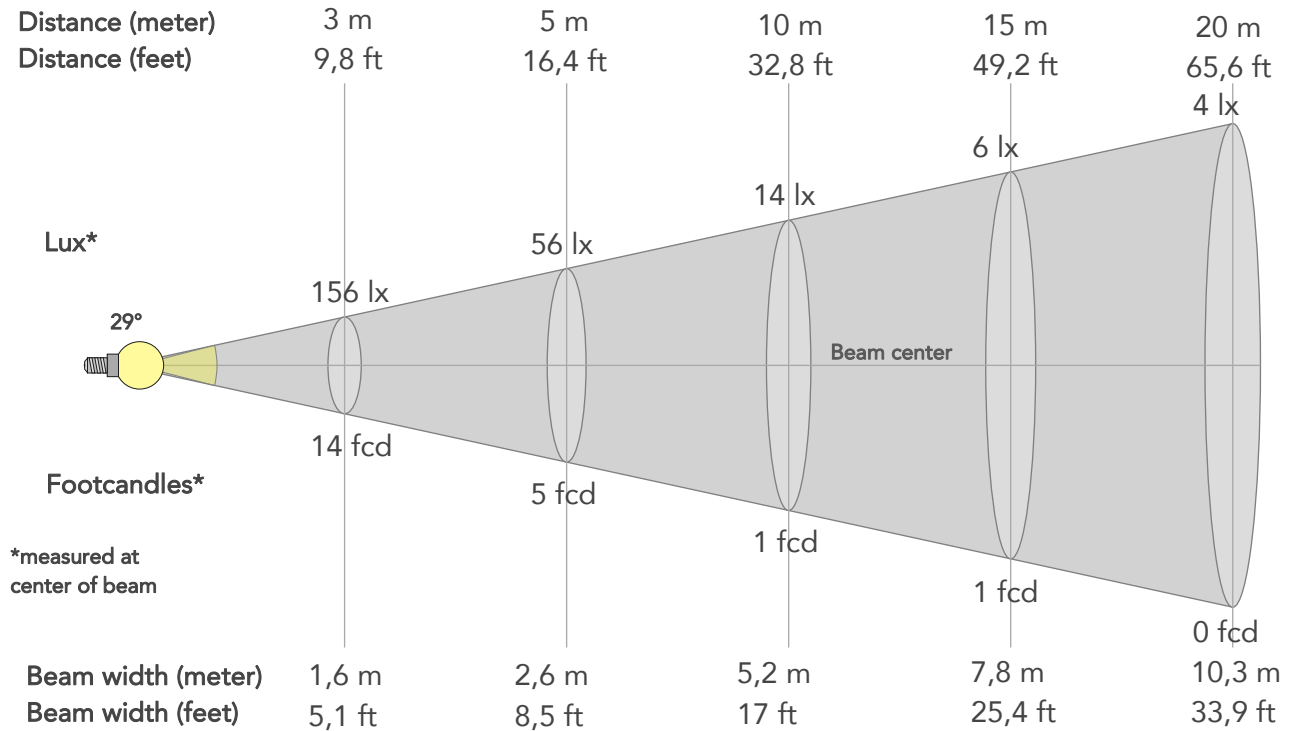
Cut off angle 2.5%: 35,8°

Spectra



BEAM DETAILS

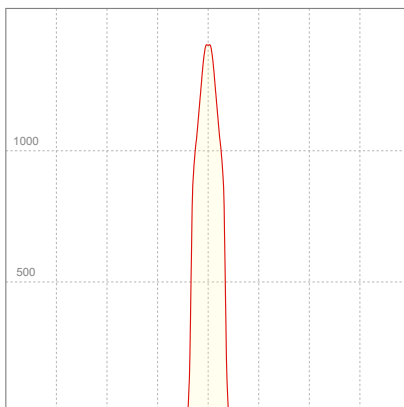
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29°	33,8°	35,8°	100,0%	100,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1402lx	351lx	156lx	88lx	56lx	25lx	14lx	6lx	4lx	2lx	2lx	1lx	1lx
Footcand.	130fcd	33fcd	14fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,6m	2,1m	2,6m	3,9m	5,2m	7,8m	10,3m	12,9m	15,5m	20,7m	25,9m
Beam wid.	1,7ft	3,4ft	5,1ft	6,8ft	8,5ft	12,7ft	17ft	25,4ft	33,9ft	42,4ft	50,9ft	67,8ft	84,8ft

LINEAR DISTRIBUTION DIAGRAM

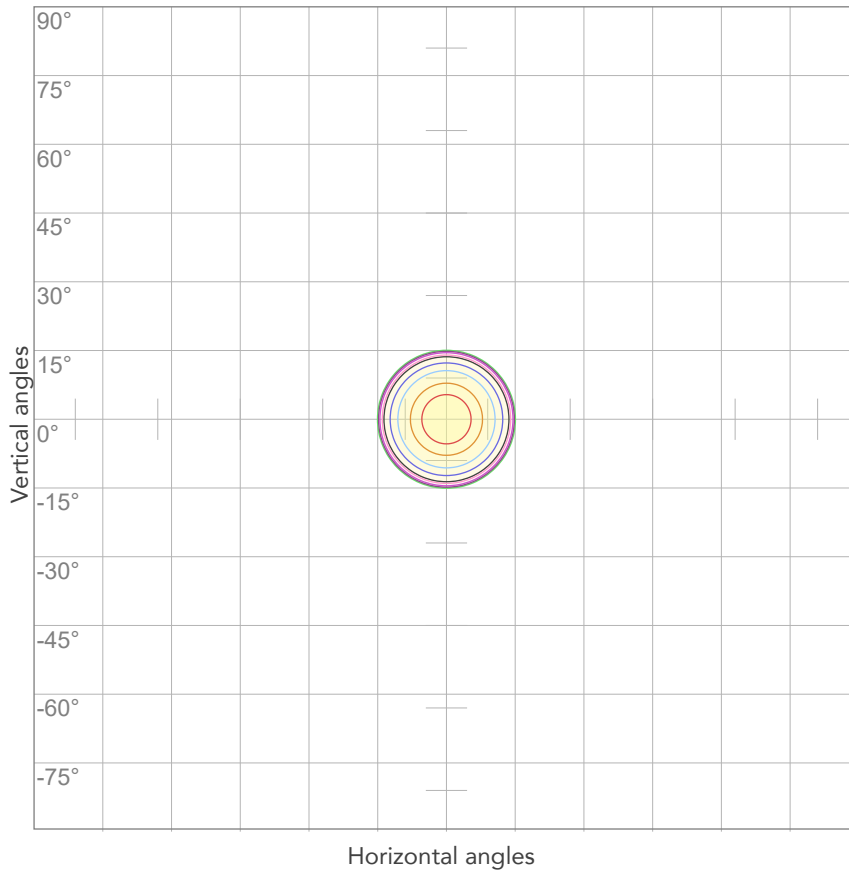


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,238A	36,6W	7lm/W

Power FC
0,68

ISO CANDELA DIAGRAM



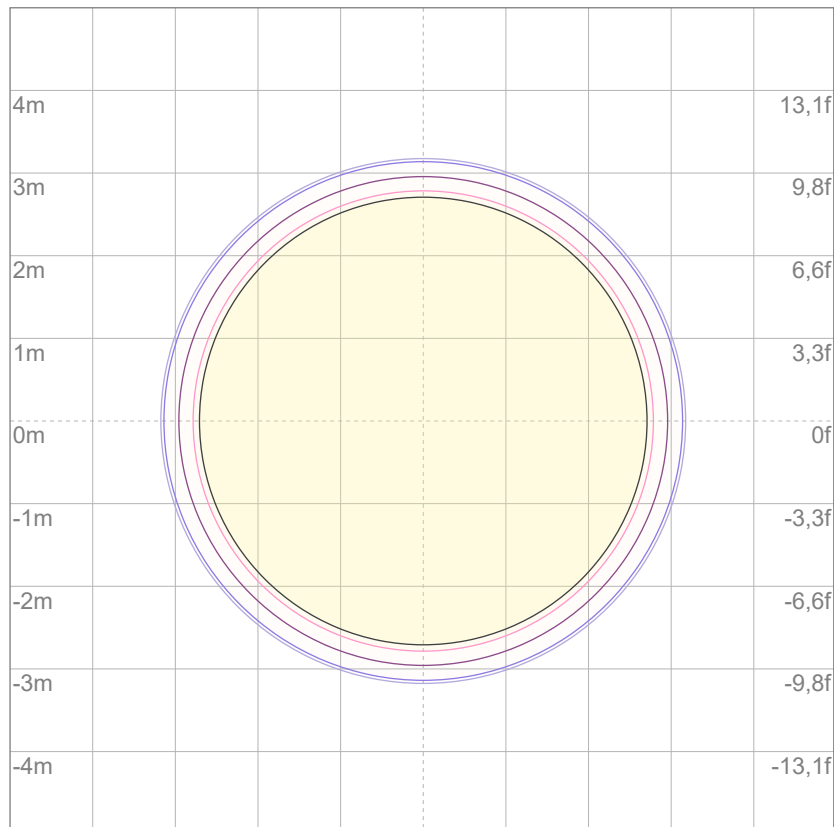
10%	140 cd
20%	280 cd
30%	421 cd
40%	561 cd
50%	701 cd
60%	841 cd
70%	982 cd
80%	1122 cd

Conditions:

Number of c-planes: 2

Candela at center: 1402 cd

ISO LUX DIAGRAM



3%	0,421 lx
5%	0,701 lx
10%	1,40 lx
30%	4,21 lx
50%	7,01 lx

Conditions:

Number of c-planes: 2

Lux at center: 14,0 lx

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



Total lumen output:

206 lm

Peak candela output:

5979 cd

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ1530 - Min Zoom

Target:

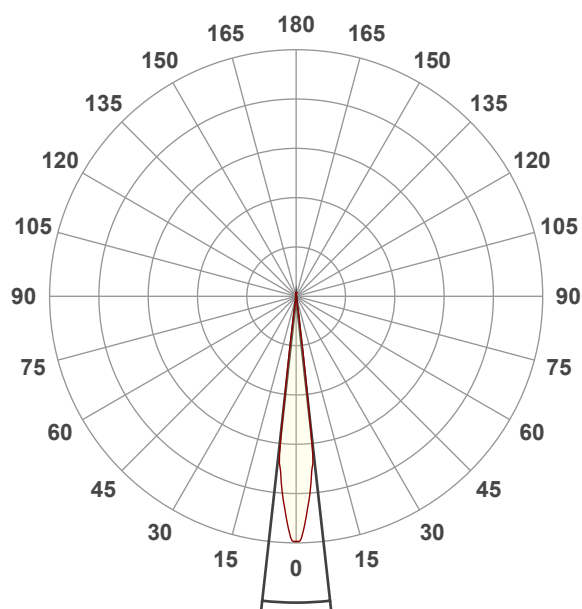
Blue

Operator:

Paolo Carvone

Date and time:

26/10/2022 11:58:20

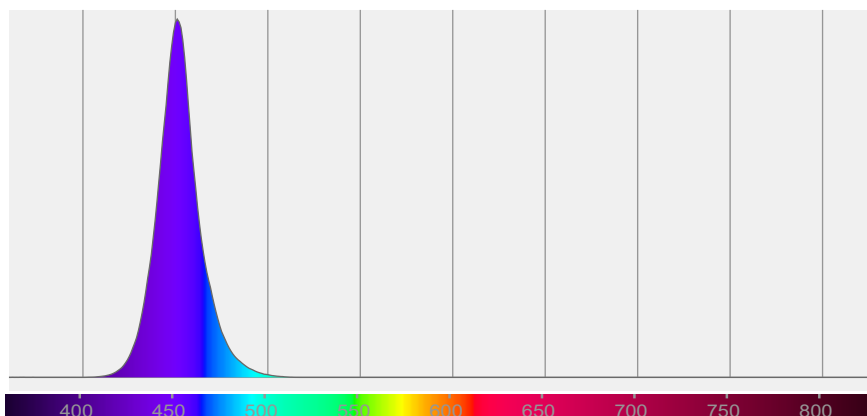


Beam angle 50%: 12,7°

Field angle 10%: 15,2°

Cut off angle 2.5%: 15,9°

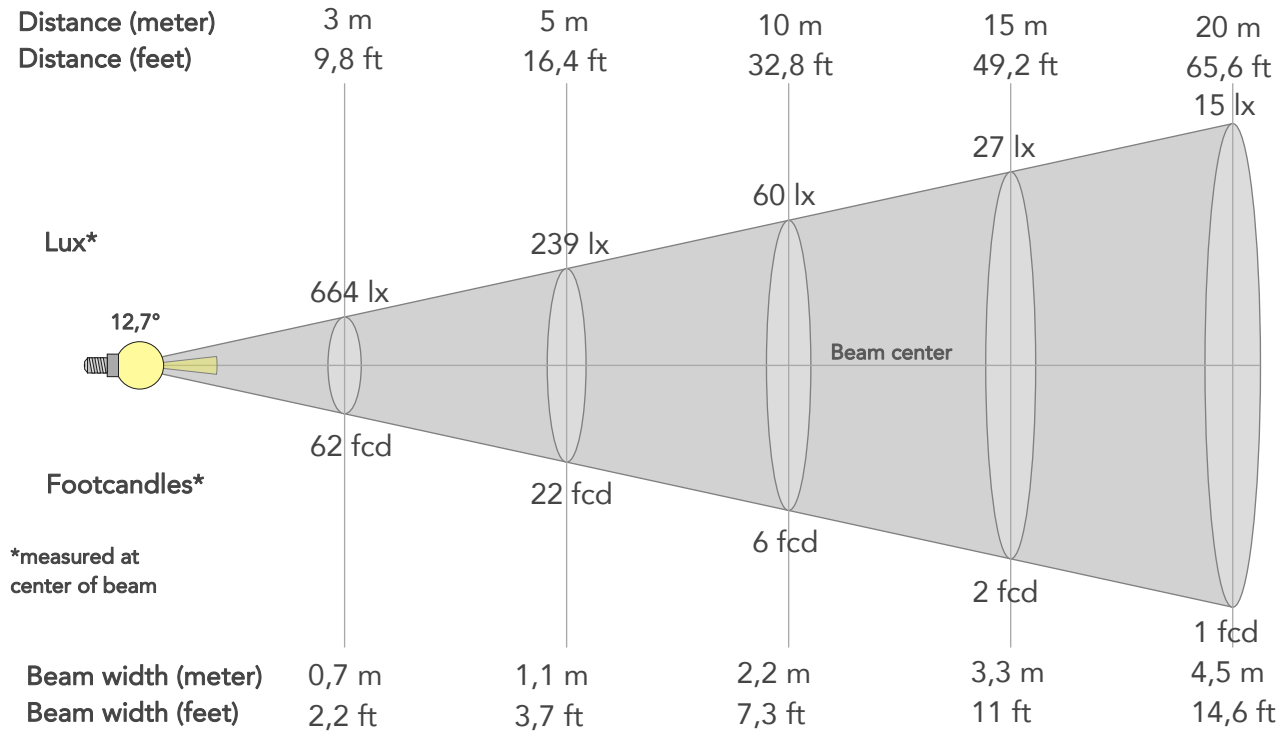
Spectra



BEAM DETAILS



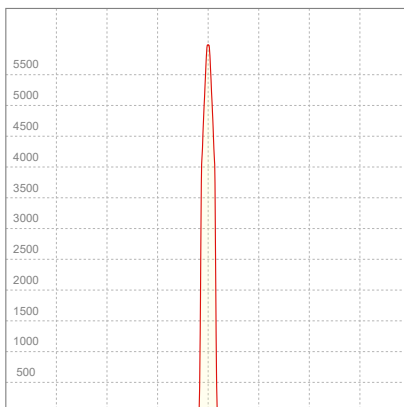
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
12,7°	15,2°	15,9°	99,9%	99,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5979lx	1495lx	664lx	374lx	239lx	106lx	60lx	27lx	15lx	10lx	7lx	4lx	2lx
Footcand.	555fcd	139fcd	62fcd	35fcd	22fcd	10fcd	6fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,2m	0,4m	0,7m	0,9m	1,1m	1,7m	2,2m	3,3m	4,5m	5,6m	6,7m	8,9m	11,1m
Beam wid.	0,7ft	1,5ft	2,2ft	2,9ft	3,7ft	5,5ft	7,3ft	11ft	14,6ft	18,3ft	21,9ft	29,2ft	36,6ft

LINEAR DISTRIBUTION DIAGRAM

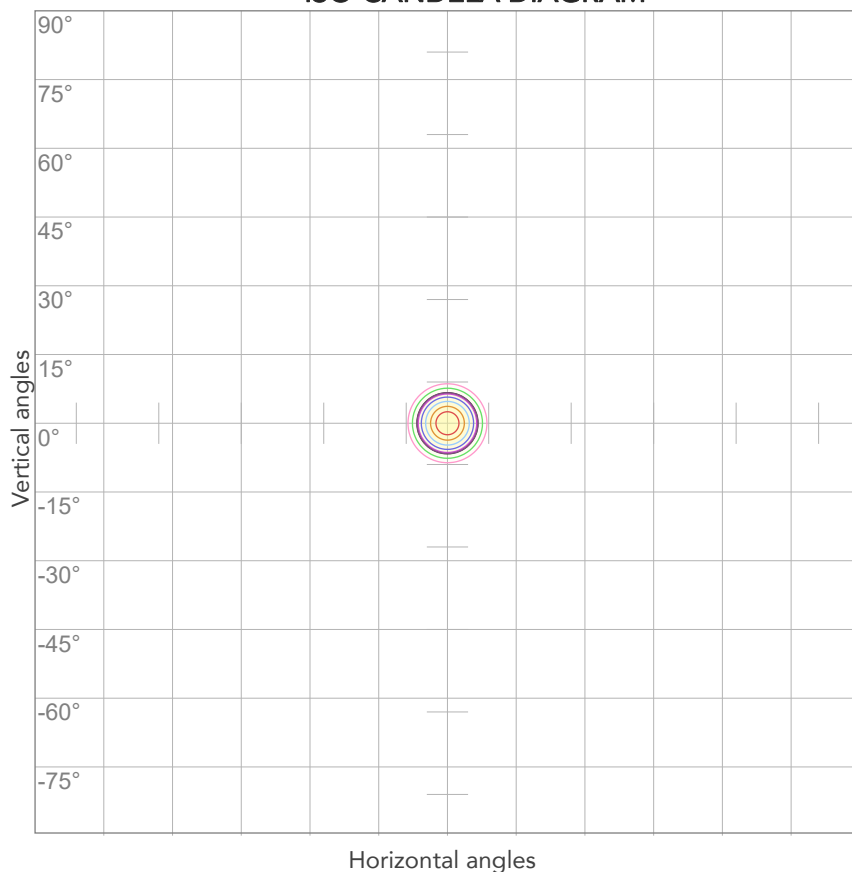


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,238A	36,4W	6lm/W

Power FC
0,67

ISO CANDELA DIAGRAM



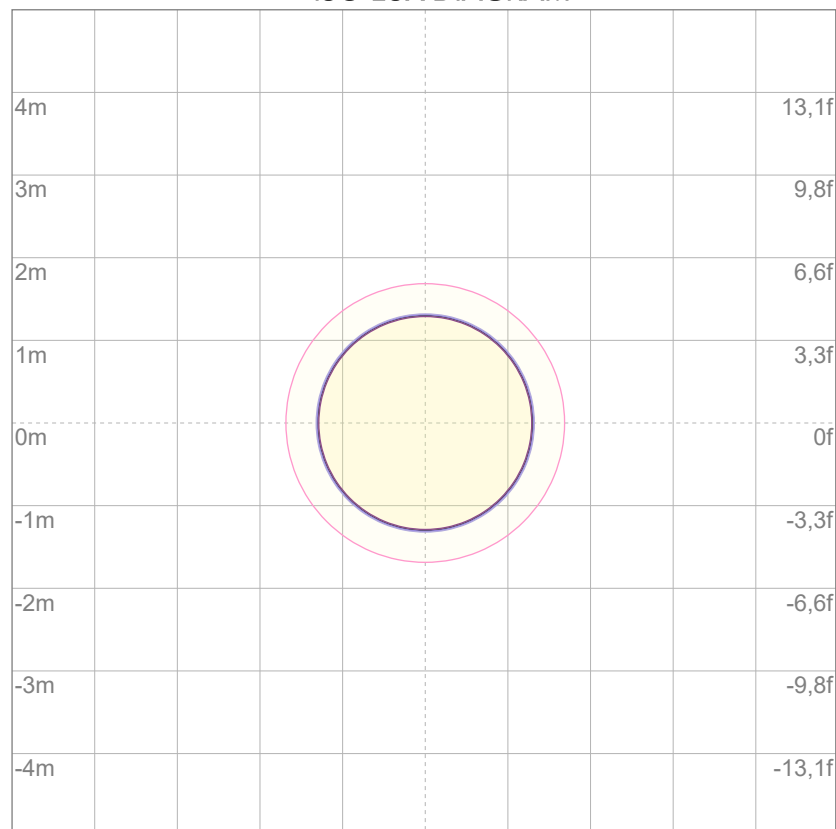
10%	598 cd
20%	1196 cd
30%	1794 cd
40%	2391 cd
50%	2989 cd
60%	3587 cd
70%	4185 cd
80%	4783 cd

Conditions:

Number of c-planes: 2

Candela at center: 5979 cd

ISO LUX DIAGRAM



3%	1,79 lx
5%	2,99 lx
10%	5,98 lx
30%	17,9 lx
50%	29,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 59,8 lx

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



Total lumen output:

4204 lm

Peak candela output:

22097 cd

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ1530 - Max Zoom

Target:

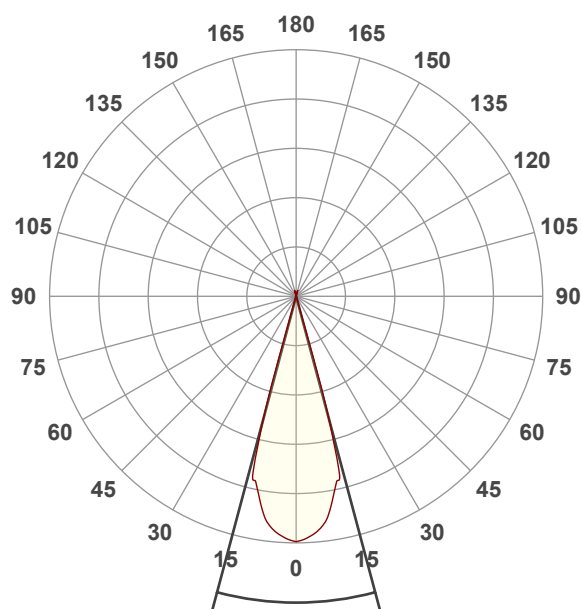
Lime

Operator:

Paolo Carvone

Date and time:

26/10/2022 13:08:01

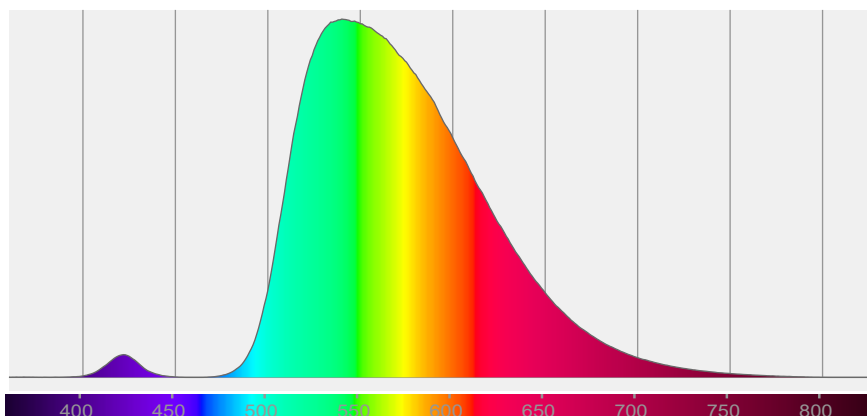


Beam angle 50%: 29,9°

Field angle 10%: 33°

Cut off angle 2.5%: 33,5°

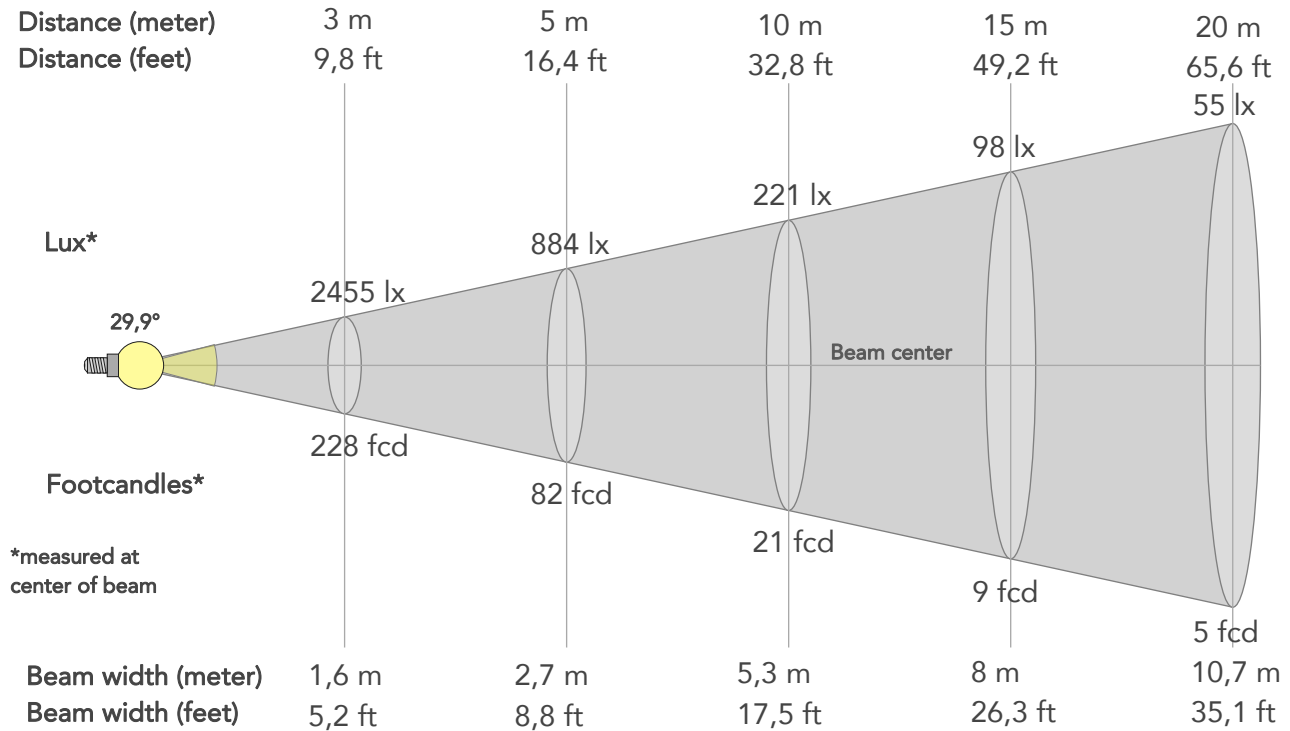
Spectra



BEAM DETAILS



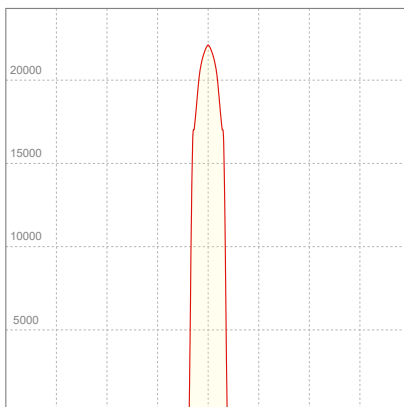
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29,9°	33°	33,5°	100,0%	100,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	22097lx	5524lx	2455lx	1381lx	884lx	393lx	221lx	98lx	55lx	35lx	25lx	14lx	9lx
Footcand.	2053fcd	513fcd	228fcd	128fcd	82fcd	36fcd	21fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,5m	1,1m	1,6m	2,1m	2,7m	4m	5,3m	8m	10,7m	13,4m	16m	21,4m	26,7m
Beam wid.	1,8ft	3,5ft	5,2ft	7ft	8,8ft	13,1ft	17,5ft	26,3ft	35,1ft	43,8ft	52,6ft	70,1ft	87,6ft

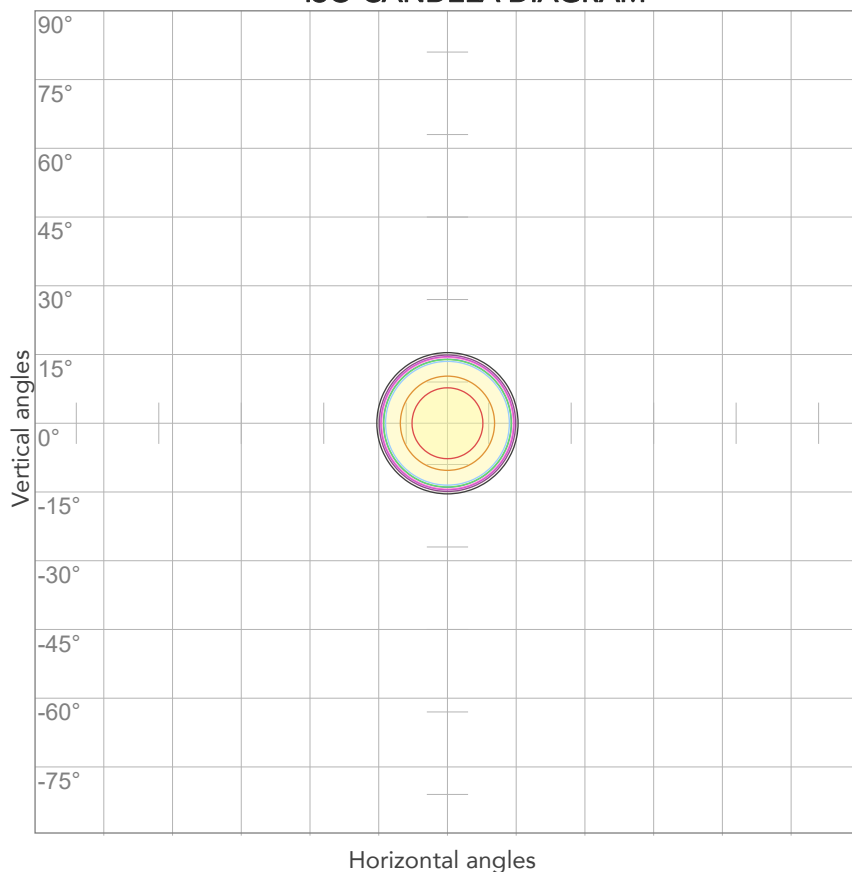
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,431A	86,1W	49lm/W
Power FC			
0,88			

ISO CANDELA DIAGRAM



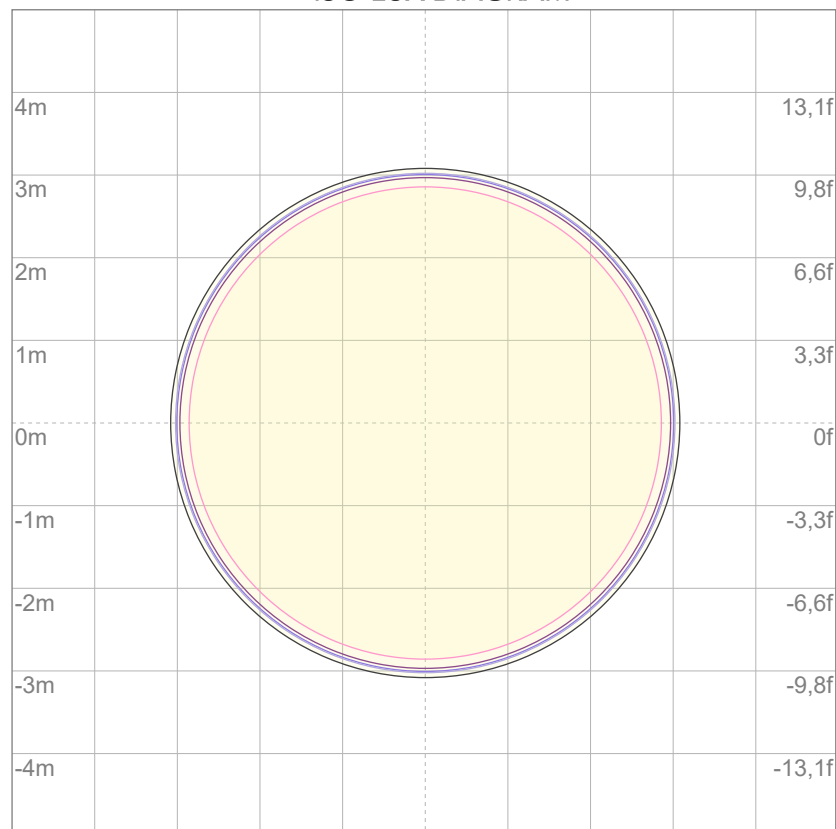
10%	2210 cd
20%	4419 cd
30%	6629 cd
40%	8839 cd
50%	11049 cd
60%	13258 cd
70%	15468 cd
80%	17678 cd

Conditions:

Number of c-planes: 2

Candela at center: 22097 cd

ISO LUX DIAGRAM



3%	6,63 lx
5%	11,0 lx
10%	22,1 lx
30%	66,3 lx
50%	110 lx

Conditions:

Number of c-planes: 2

Lux at center: 221 lx

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



Total lumen output:

3287 lm

Peak candela output:

74327 cd

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ1530 - Min Zoom

Target:

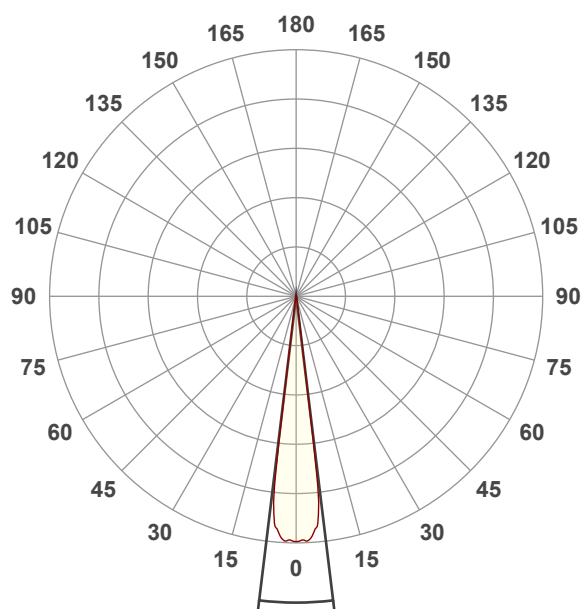
Lime

Operator:

Paolo Carvone

Date and time:

26/10/2022 12:19:26

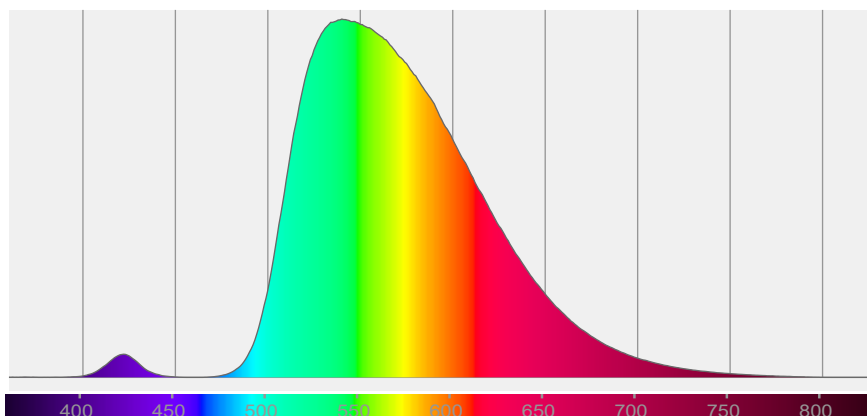


Beam angle 50%: 13,9°

Field angle 10%: 15,1°

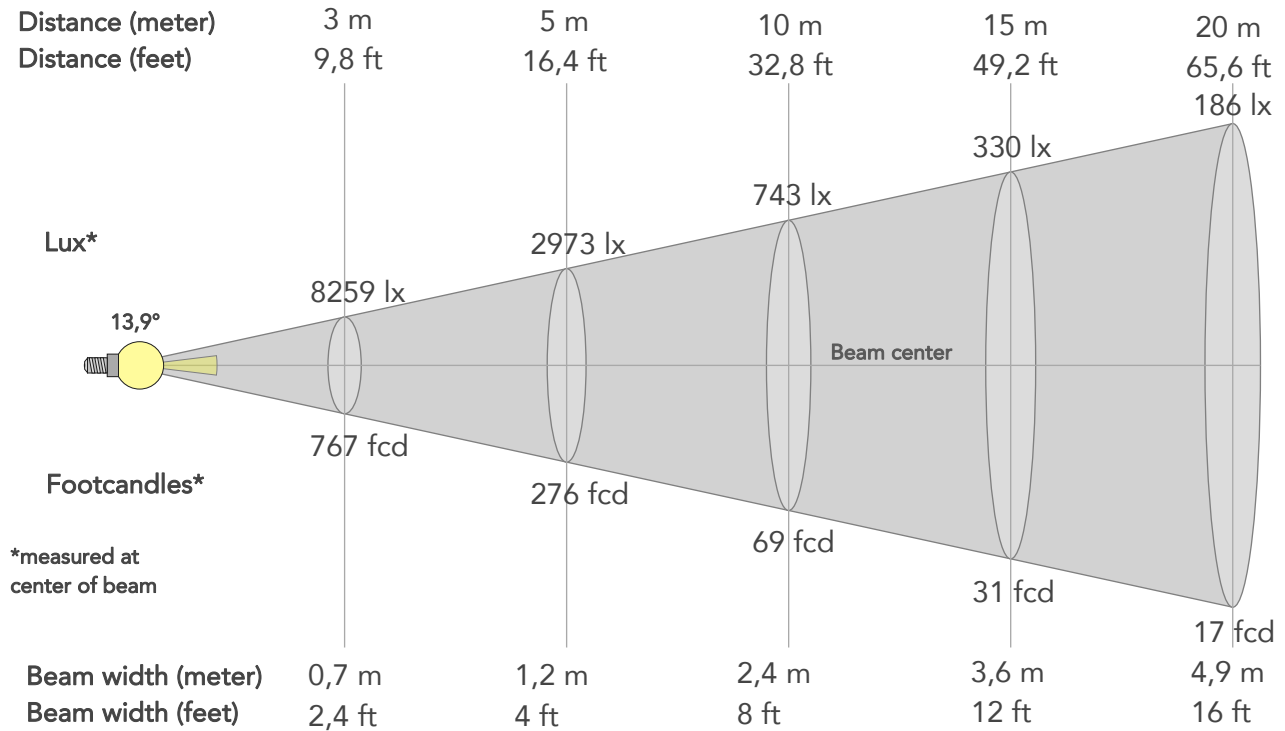
Cut off angle 2.5%: 16,5°

Spectra



BEAM DETAILS

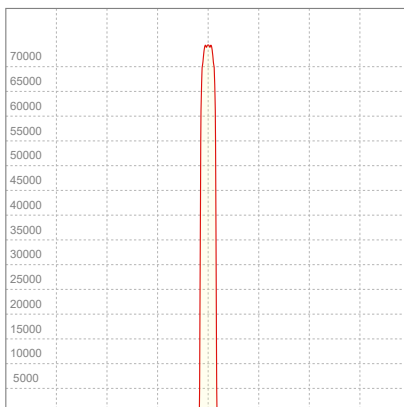
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
13,9°	15,1°	16,5°	100,0%	100,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	74327lx	18582lx	8259lx	4645lx	2973lx	1321lx	743lx	330lx	186lx	119lx	83lx	46lx	30lx
Footcand.	6905fcd	1726fcd	767fcd	432fcd	276fcd	123fcd	69fcd	31fcd	17fcd	11fcd	8fcd	4fcd	3fcd
Beam wid.	0,2m	0,5m	0,7m	1m	1,2m	1,8m	2,4m	3,6m	4,9m	6,1m	7,3m	9,7m	12,2m
Beam wid.	0,8ft	1,6ft	2,4ft	3,2ft	4ft	6ft	8ft	12ft	16ft	19,9ft	23,9ft	31,9ft	39,9ft

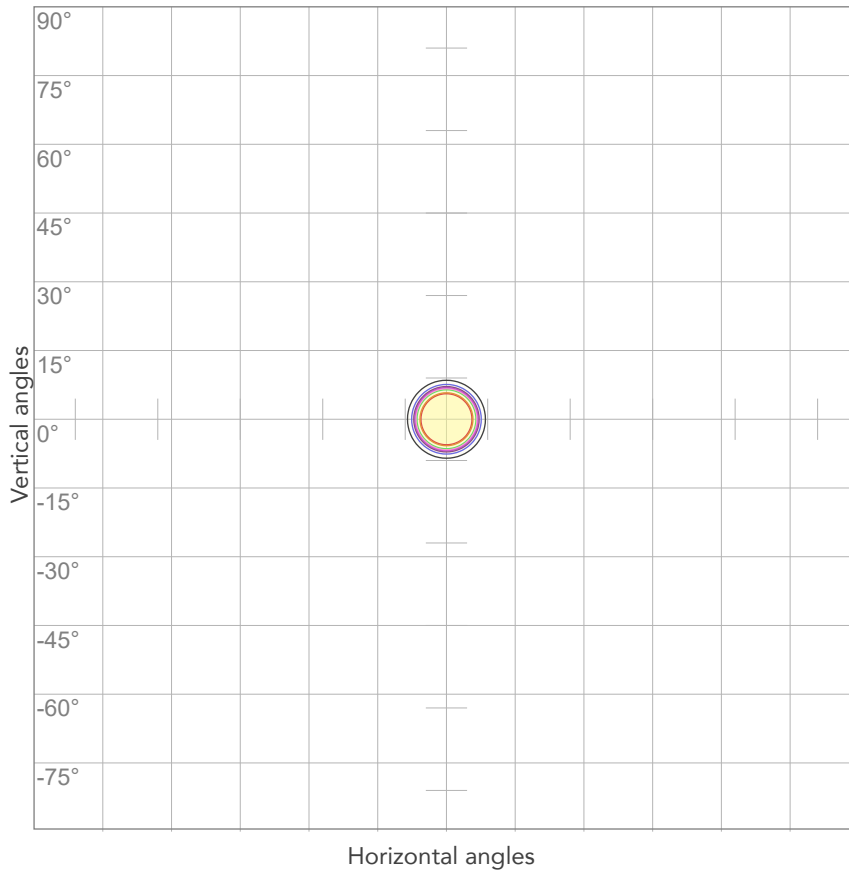
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,432A	86,0W	38lm/W
Power FC			
0,88			

ISO CANDELA DIAGRAM



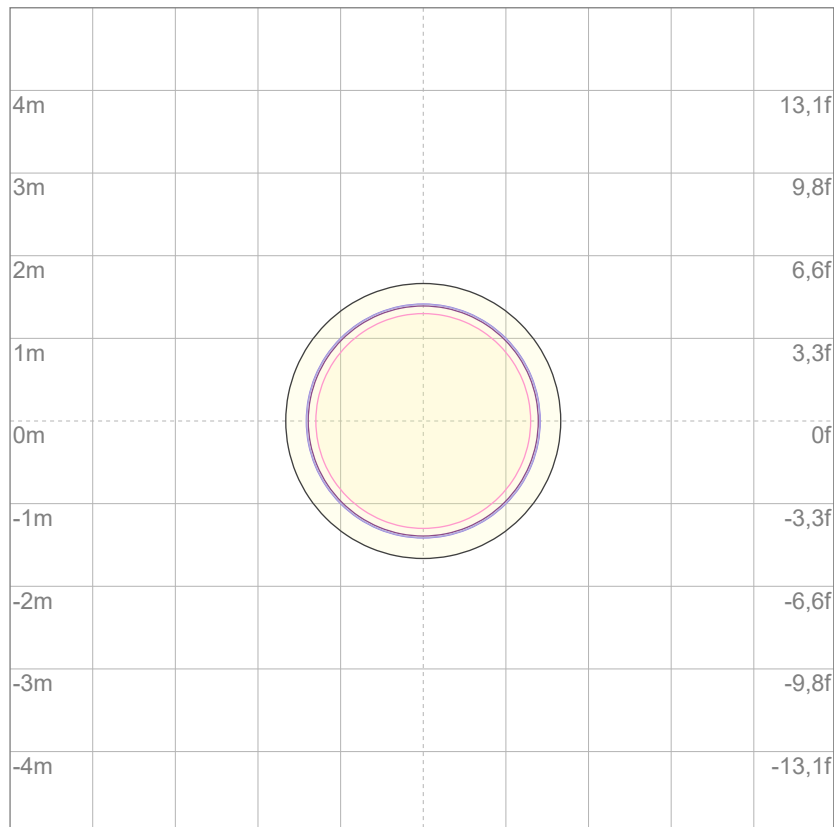
10%	7433 cd
20%	14865 cd
30%	22298 cd
40%	29731 cd
50%	37164 cd
60%	44596 cd
70%	52029 cd
80%	59462 cd

Conditions:

Number of c-planes: 2

Candela at center: 74327 cd

ISO LUX DIAGRAM



3%	22,3 lx
5%	37,2 lx
10%	74,3 lx
30%	223 lx
50%	372 lx

Conditions:

Number of c-planes: 2

Lux at center: 743 lx

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



Total lumen output:

4427 lm

Peak candela output:

15052 cd

Light quality:

CRI: 82,0

Color temperature:

2819 K

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ2550 - Max Zoom

Target:

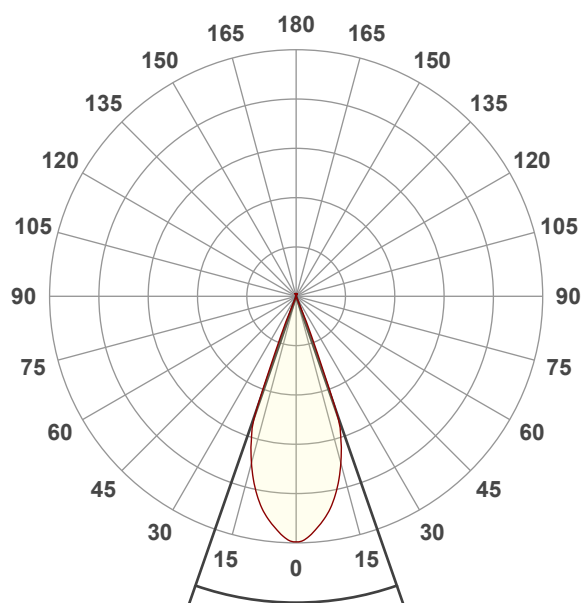
2800K

Operator:

Paolo Carvone

Date and time:

26/10/2022 14:40:30

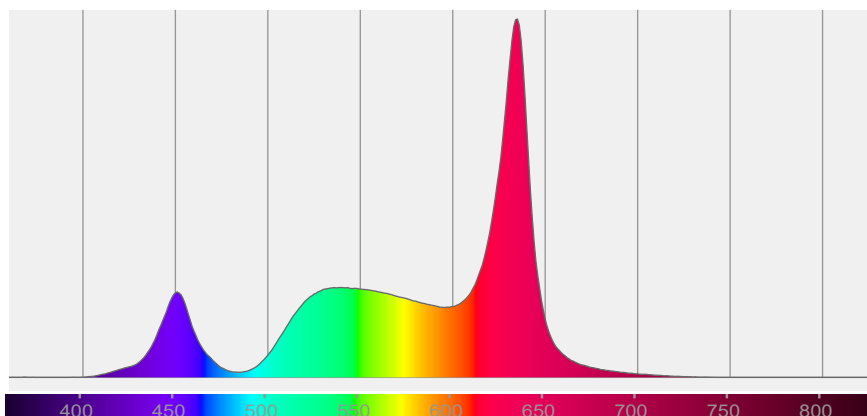


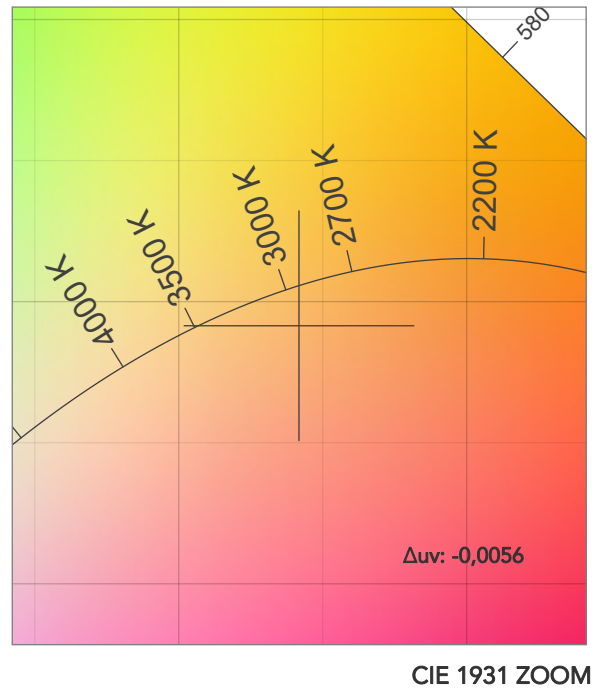
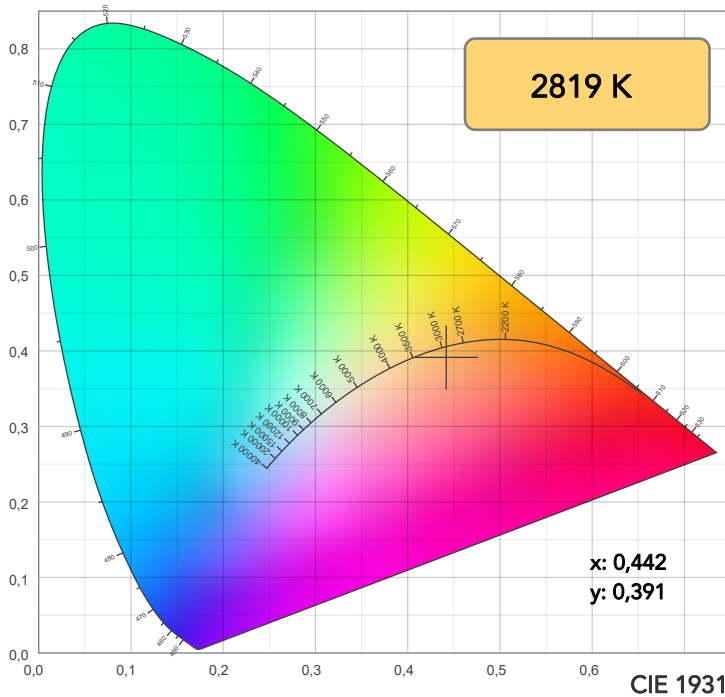
Beam angle 50%: 38,4°

Field angle 10%: 44°

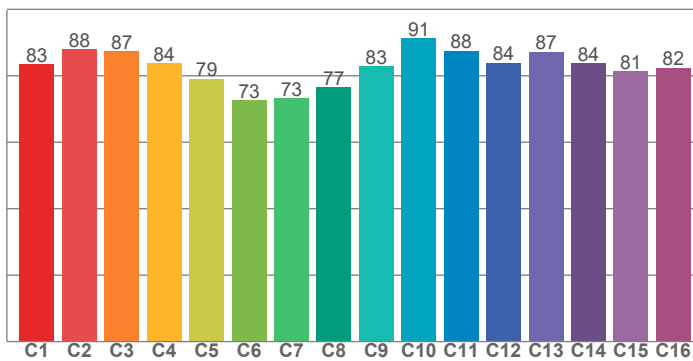
Cut off angle 2.5%: 45,7°

Spectra

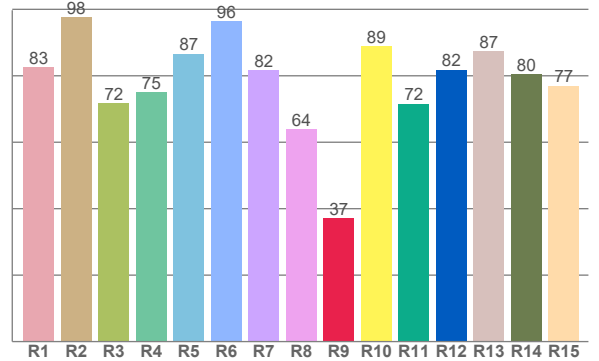




TM30: 83,4



CRI: 82,0 (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
82,7	97,7	71,7	75,0	86,6	96,4	81,7	64,0	37,1	88,8	71,6	81,8	87,4	80,5	77,0

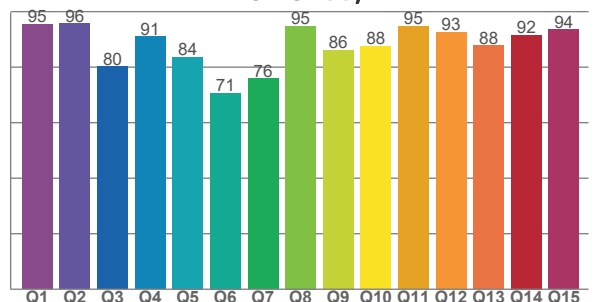
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
83,4	88,0	87,3	83,7	79,0	72,6	73,2	76,5	82,8	91,3	87,6	83,8	87,2	83,7	81,3	82,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,4	95,7	80,2	91,0	83,6	70,8	75,8	94,8	86,2	87,5	94,7	92,7	87,8	91,6	93,5

CQS: 85,7



COLOR PARAMETERS

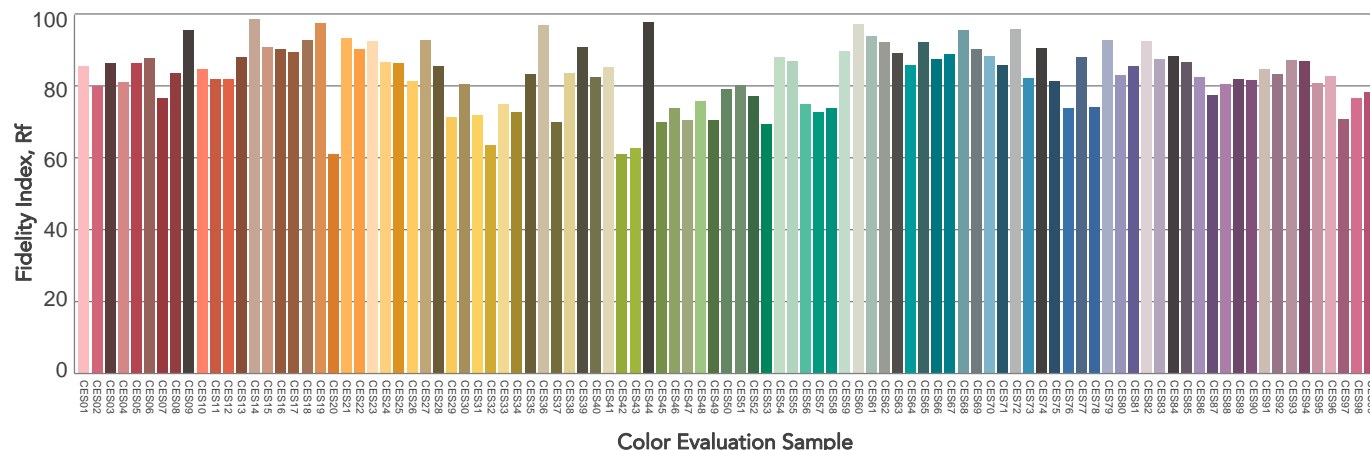
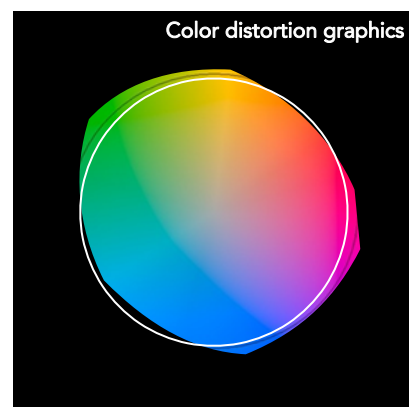
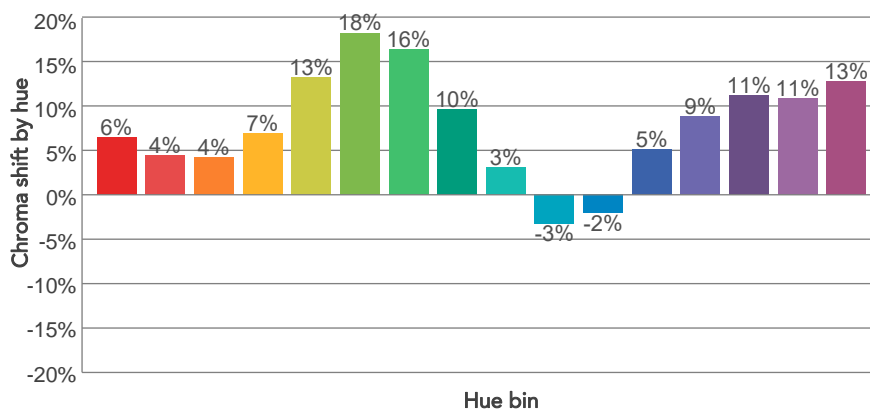
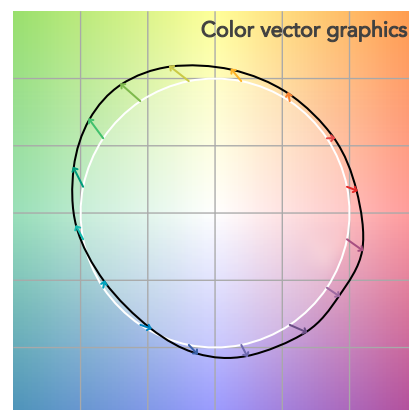
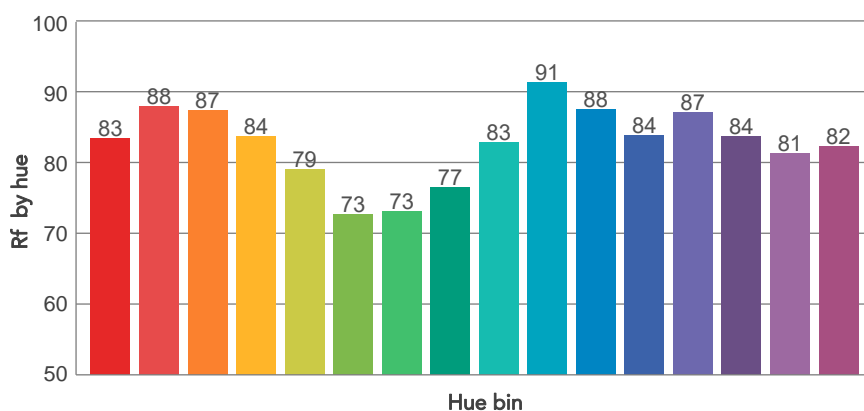
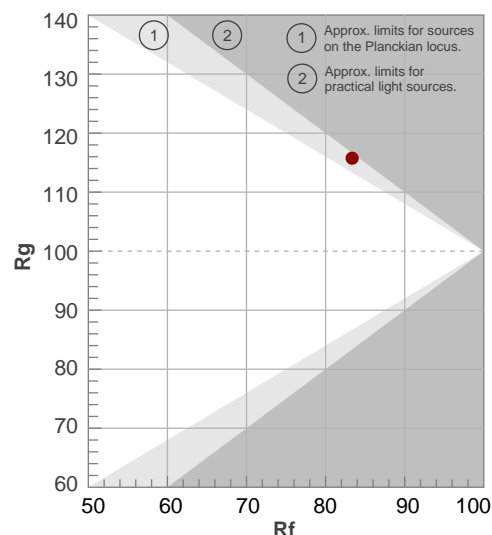
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2819 K	82,0	37,1	83,4	115,8	85,7	63	0,442	0,391	-0,0056

TM30 DETAILS

Rf 83,4
Fidelity index Rf

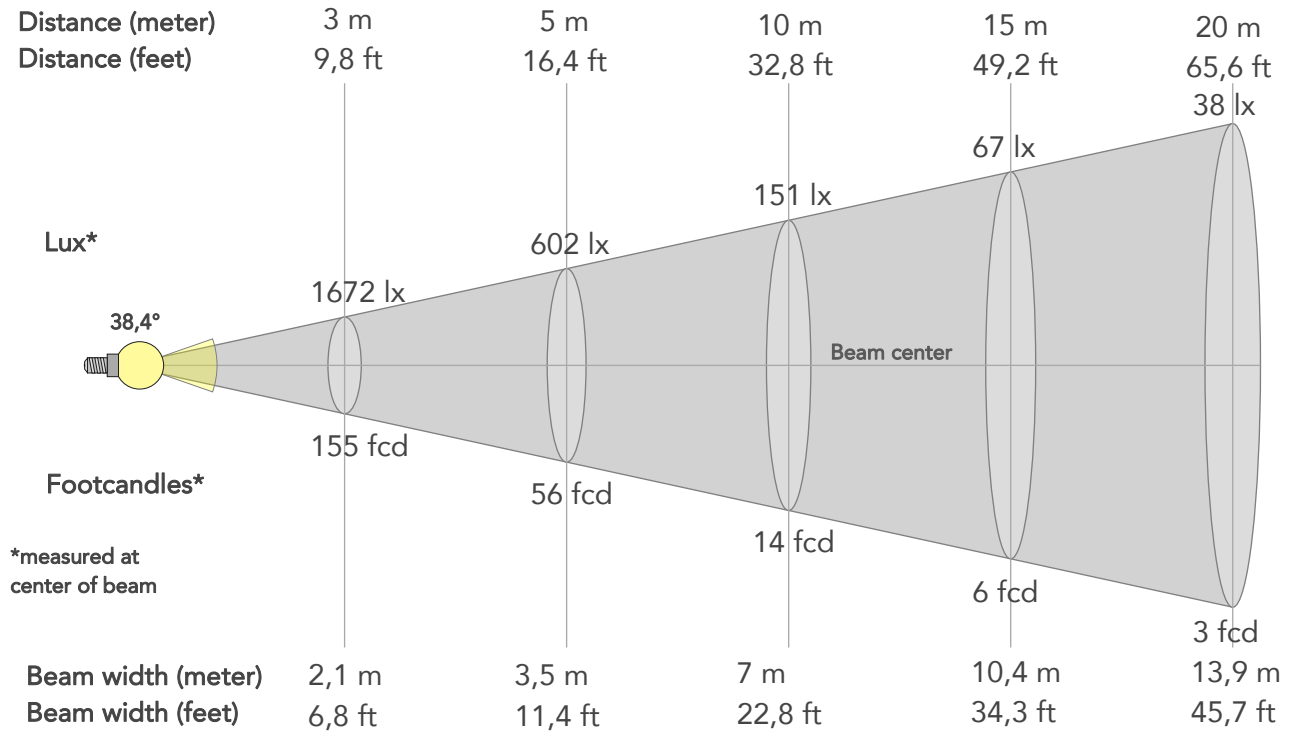
Rg 115,8
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	83	6%	-4%
2	88	4%	-3%
3	87	4%	4%
4	84	7%	9%
5	79	13%	11%
6	73	18%	5%
7	73	16%	-6%
8	77	10%	-12%
9	83	3%	-10%
10	91	-3%	-3%
11	88	-2%	8%
12	84	5%	7%
13	87	9%	3%
14	84	11%	7%
15	81	11%	0%
16	82	13%	-6%



BEAM DETAILS

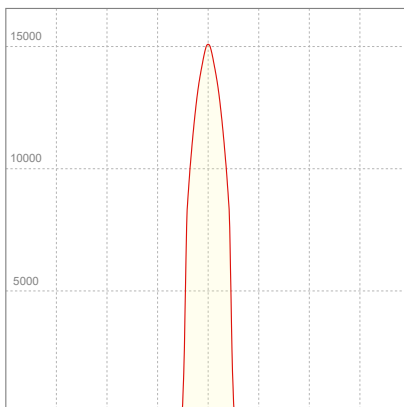
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38,4°	44°	45,7°	100,0%	100,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	15052lx	3763lx	1672lx	941lx	602lx	268lx	151lx	67lx	38lx	24lx	17lx	9lx	6lx
Footcand.	1398fcd	350fcd	155fcd	87fcd	56fcd	25fcd	14fcd	6fcd	3fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,7m	1,4m	2,1m	2,8m	3,5m	5,2m	7m	10,4m	13,9m	17,4m	20,9m	27,8m	34,8m
Beam wid.	2,3ft	4,6ft	6,8ft	9,1ft	11,4ft	17,1ft	22,8ft	34,3ft	45,7ft	57,1ft	68,5ft	91,3ft	114,2ft

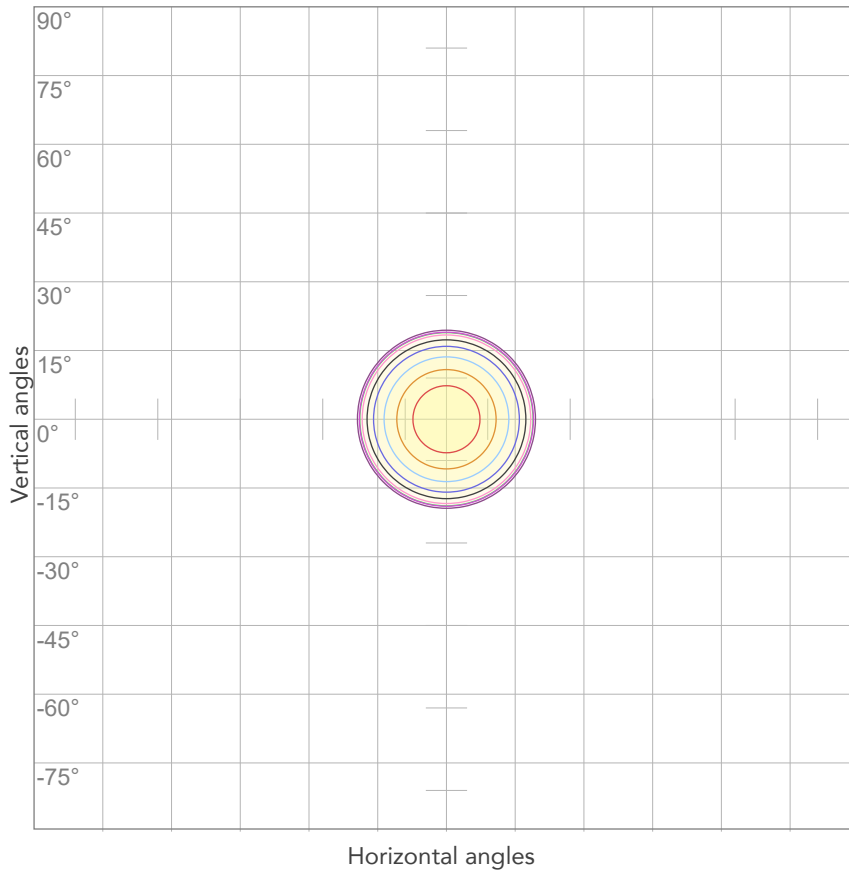
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,550A	115W	39lm/W

ISO CANDELA DIAGRAM



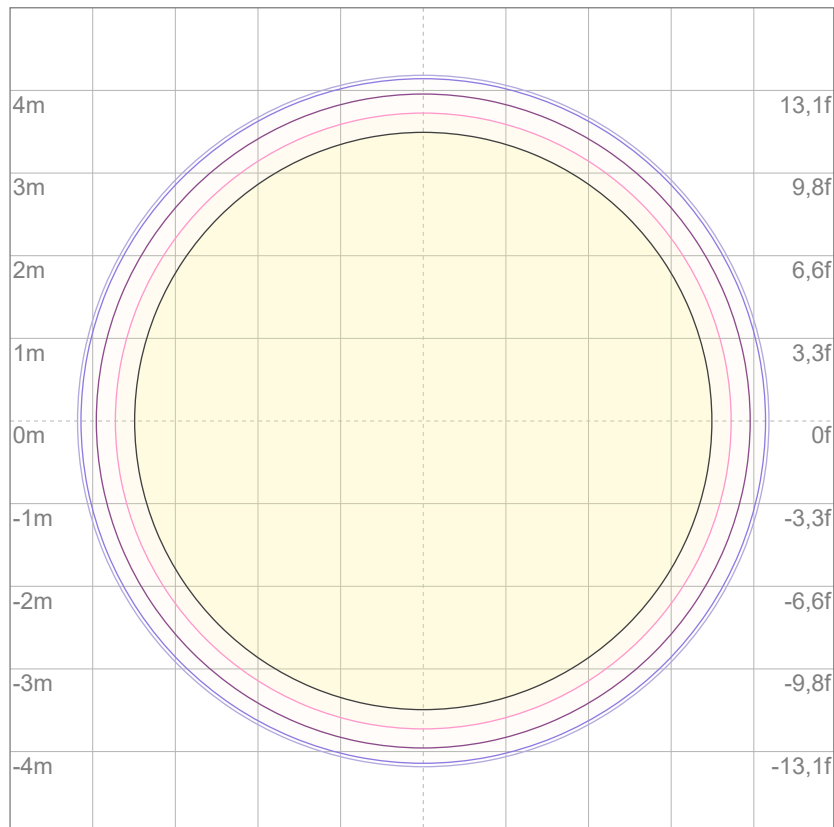
10%	1505 cd
20%	3010 cd
30%	4516 cd
40%	6021 cd
50%	7526 cd
60%	9031 cd
70%	10536 cd
80%	12041 cd

Conditions:

Number of c-planes: 2

Candela at center: 15052 cd

ISO LUX DIAGRAM



3%	4,52 lx
5%	7,53 lx
10%	15,1 lx
30%	45,2 lx
50%	75,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 151 lx

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



Total lumen output:

4140 lm

Peak candela output:

40656 cd

Light quality:

CRI: 81,7

Color temperature:

2804 K

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ2550 - Min Zoom

Target:

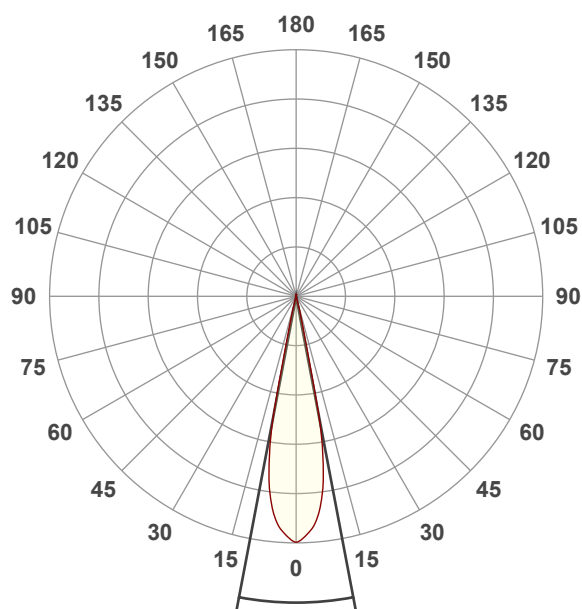
2800K

Operator:

Paolo Carvone

Date and time:

26/10/2022 13:24:54

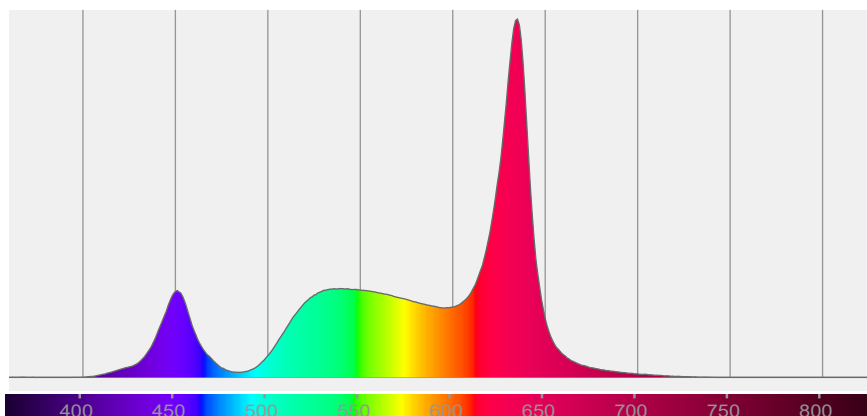


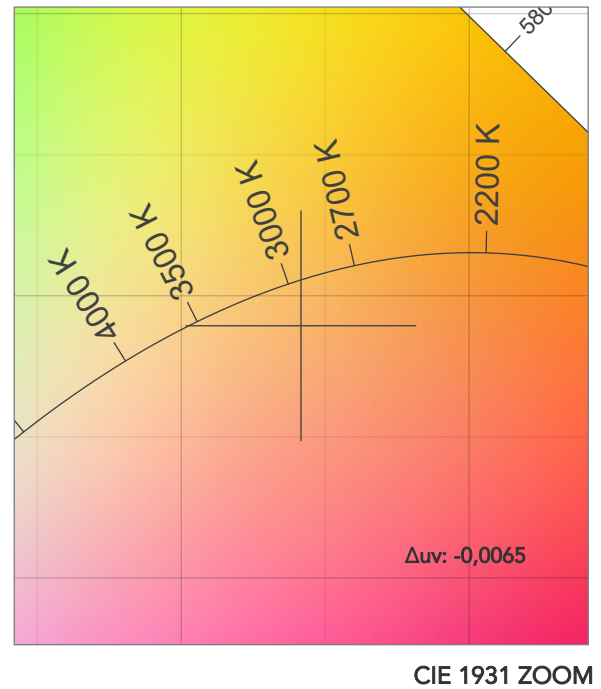
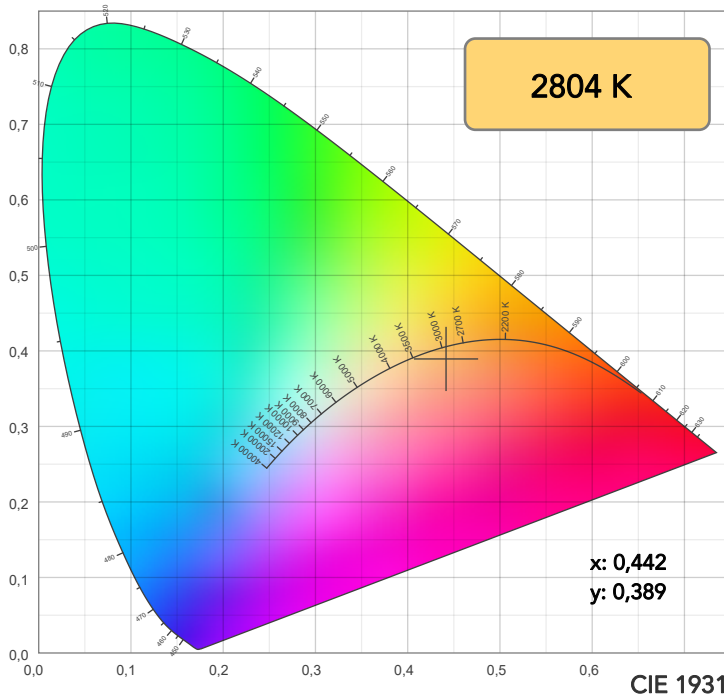
Beam angle 50%: 21,5°

Field angle 10%: 25,8°

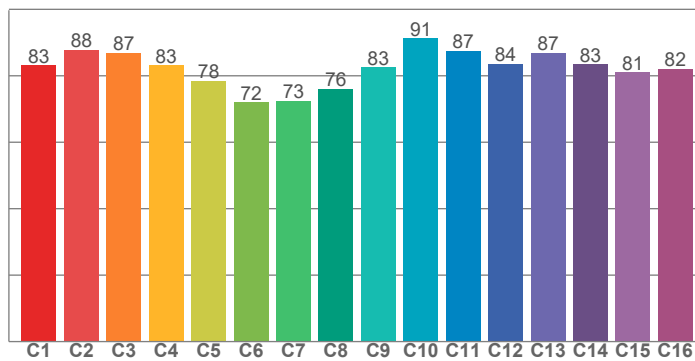
Cut off angle 2.5%: 28,4°

Spectra

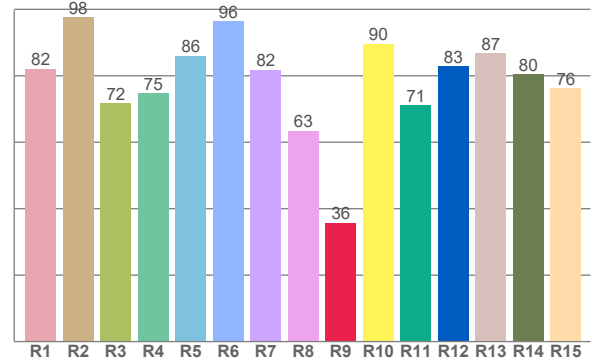




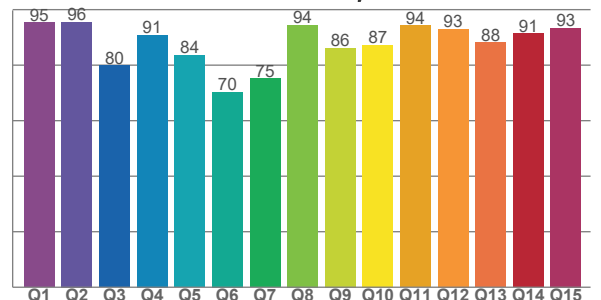
TM30: 83,0



CRI: 81,7 (R1-R8)



CQS: 85,5



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
82,1	97,6	71,7	74,7	86,1	96,4	81,8	63,5	35,8	89,6	71,2	82,8	86,9	80,5	76,2

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
83,2	87,8	86,8	83,2	78,5	72,0	72,5	76,0	82,6	91,2	87,5	83,5	86,9	83,4	81,0	82,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,3	95,6	79,8	90,9	83,6	70,3	75,1	94,4	86,2	87,2	94,3	93,1	88,2	91,4	93,4

COLOR PARAMETERS

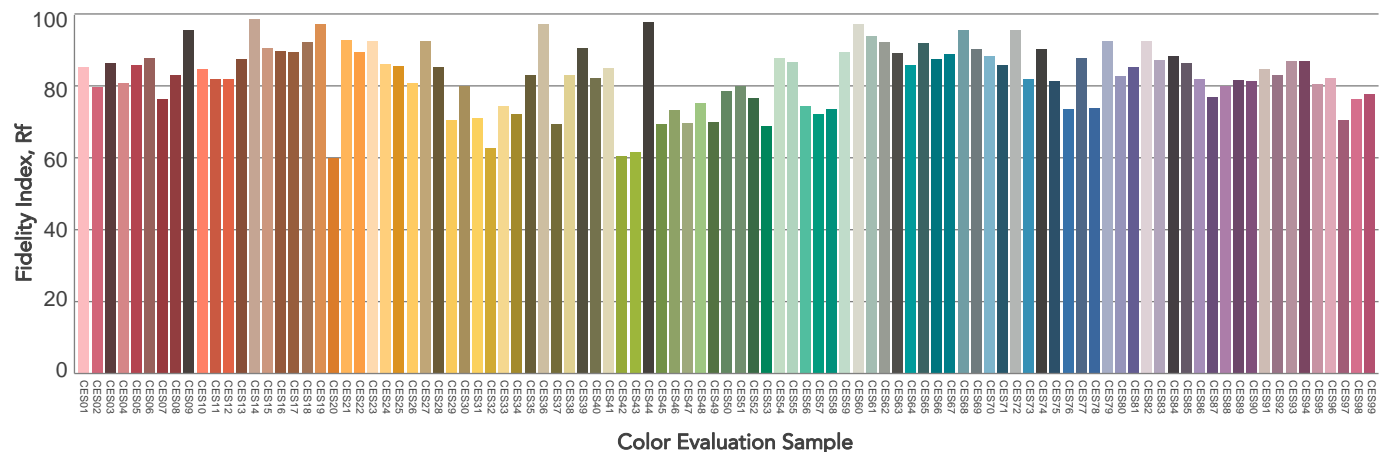
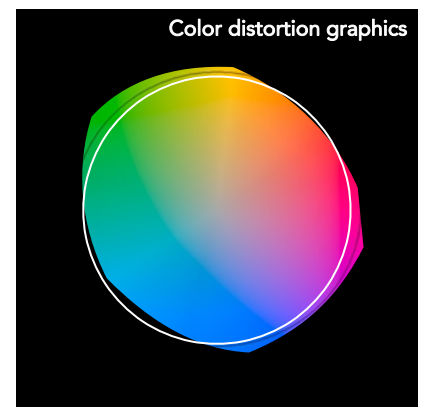
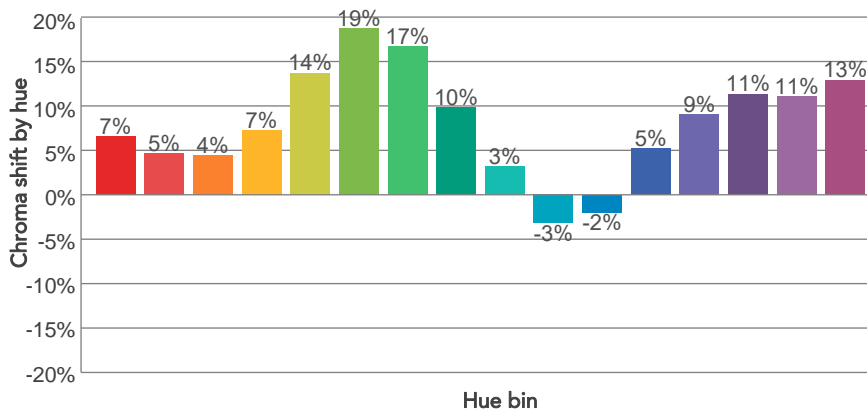
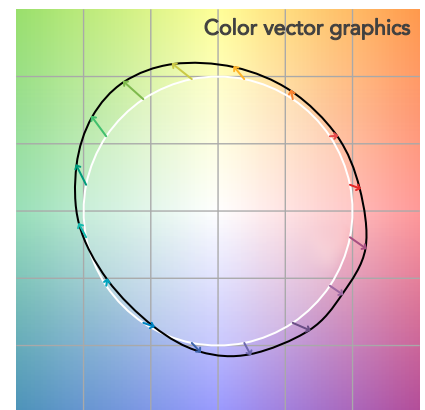
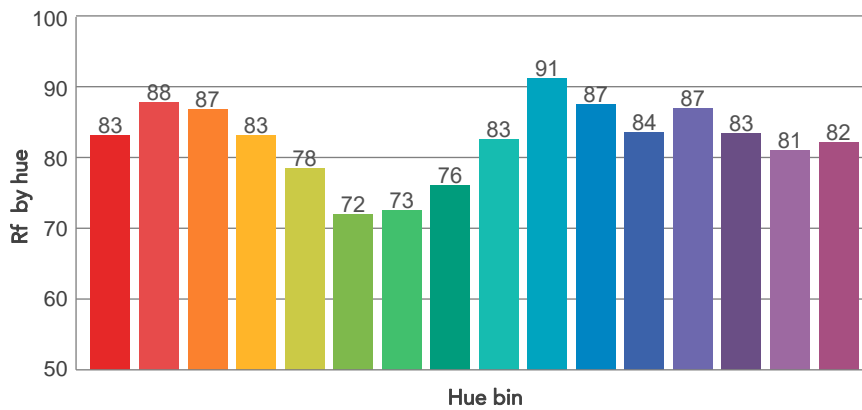
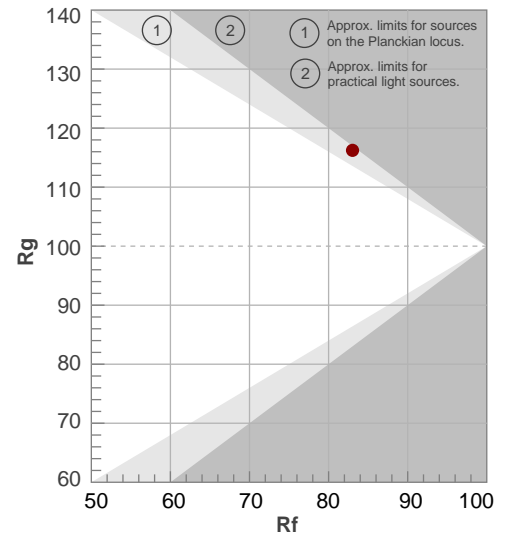
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2804 K	81,7	35,8	83,0	116,2	85,5	62	0,442	0,389	-0,0065

TM30 DETAILS

Rf 83,0
Fidelity index Rf

Rg 116,2
Gammut index

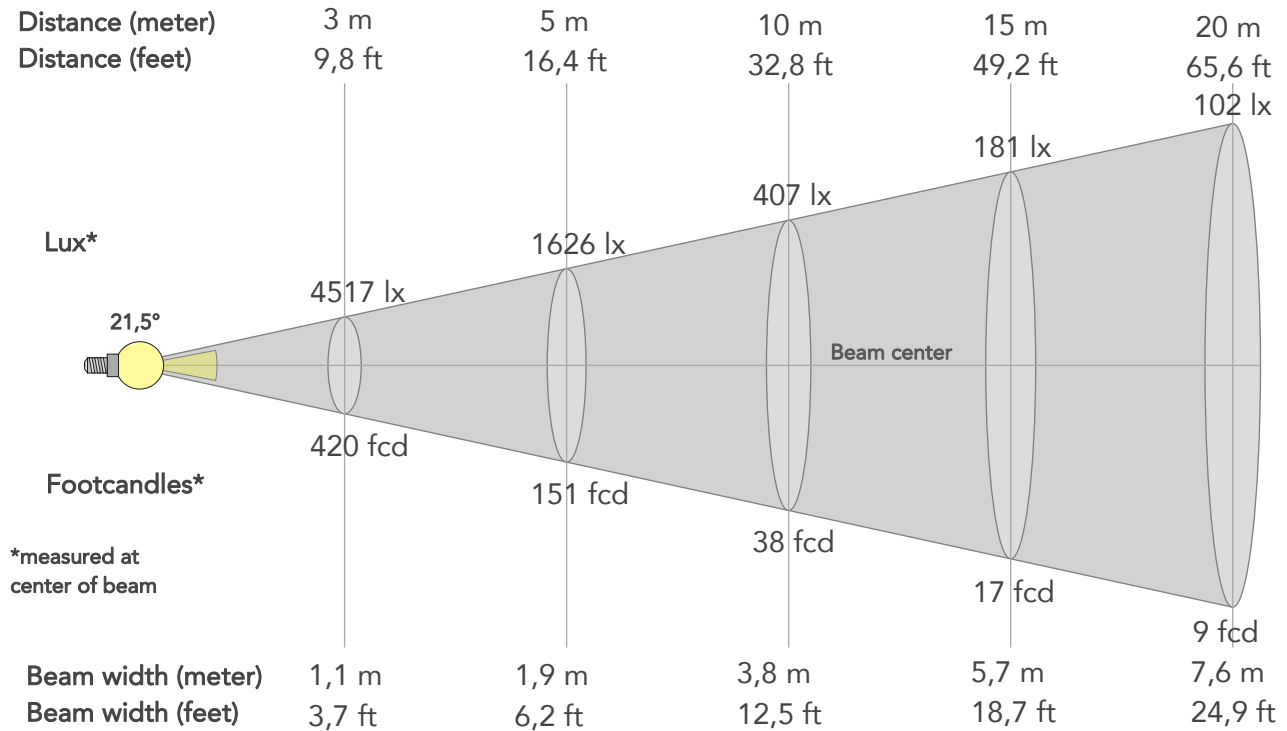
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	83	7%	-4%
2	88	5%	-3%
3	87	4%	4%
4	83	7%	9%
5	78	14%	12%
6	72	19%	5%
7	73	17%	-6%
8	76	10%	-13%
9	83	3%	-10%
10	91	-3%	-3%
11	87	-2%	8%
12	84	5%	7%
13	87	9%	3%
14	83	11%	7%
15	81	11%	0%
16	82	13%	-6%



BEAM DETAILS



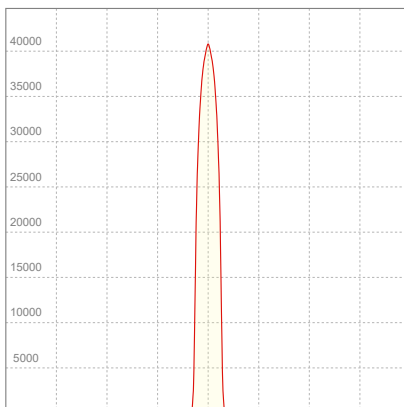
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,5°	25,8°	28,4°	100,0%	100,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	40656lx	10164lx	4517lx	2541lx	1626lx	723lx	407lx	181lx	102lx	65lx	45lx	25lx	16lx
Footcand.	3777fcd	944fcd	420fcd	236fcd	151fcd	67fcd	38fcd	17fcd	9fcd	6fcd	4fcd	2fcd	2fcd
Beam wid.	0,4m	0,8m	1,1m	1,5m	1,9m	2,8m	3,8m	5,7m	7,6m	9,5m	11,4m	15,2m	19m
Beam wid.	1,3ft	2,5ft	3,7ft	5ft	6,2ft	9,3ft	12,5ft	18,7ft	24,9ft	31,1ft	37,4ft	49,8ft	62,3ft

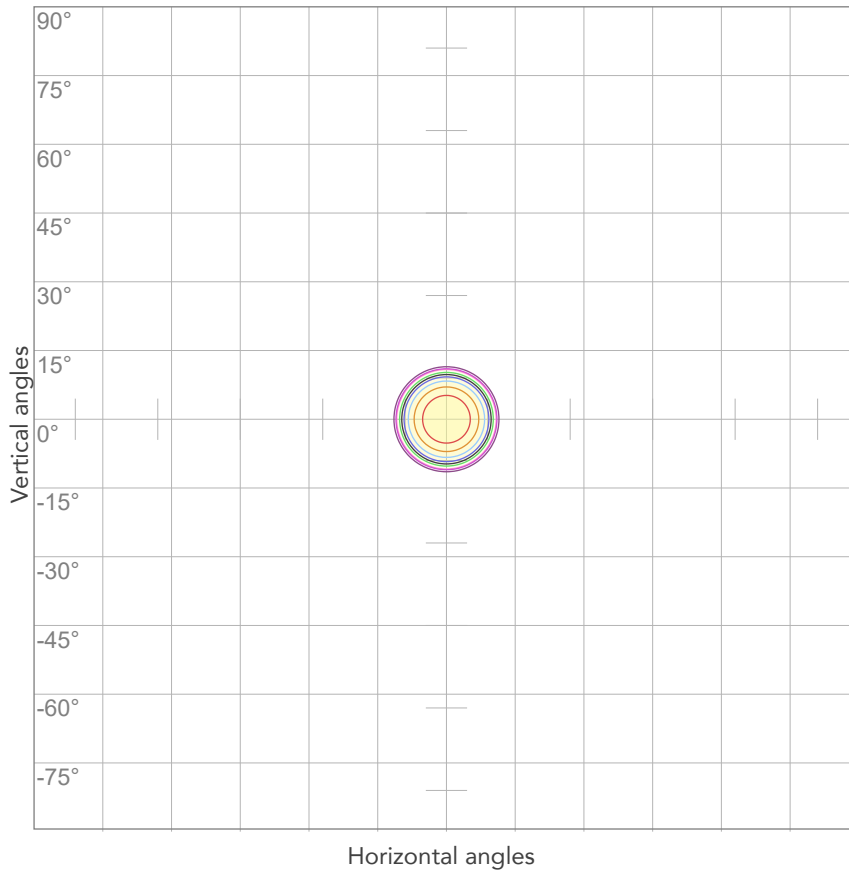
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,549A	114,9W	36lm/W

ISO CANDELA DIAGRAM



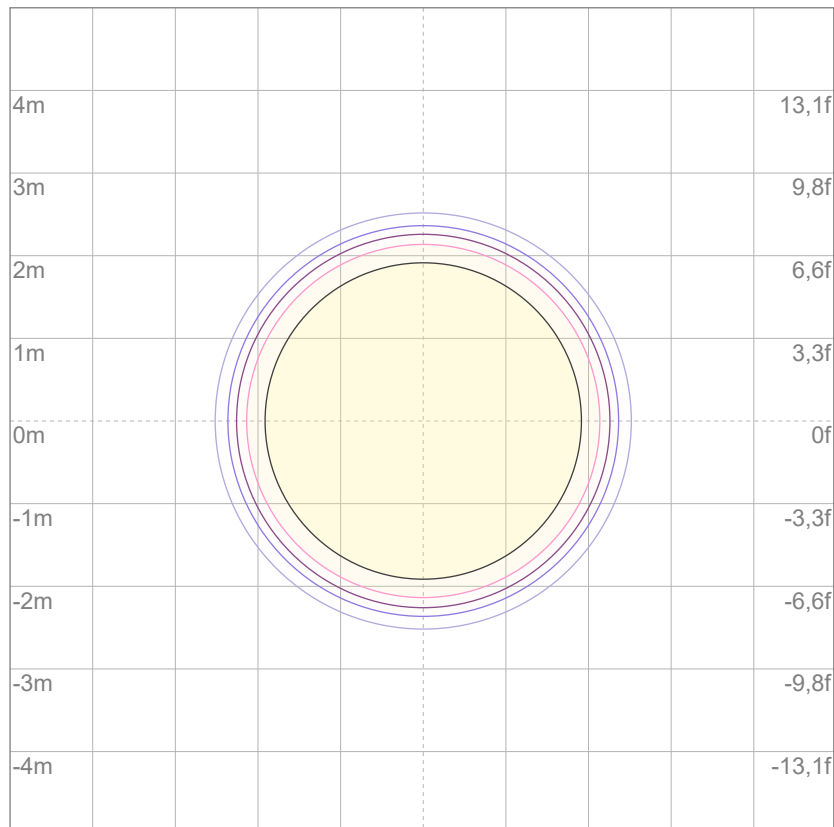
10%	4066 cd
20%	8131 cd
30%	12197 cd
40%	16263 cd
50%	20328 cd
60%	24394 cd
70%	28459 cd
80%	32525 cd

Conditions:

Number of c-planes: 2

Candela at center: 40656 cd

ISO LUX DIAGRAM



3%	12,2 lx
5%	20,3 lx
10%	40,7 lx
30%	122 lx
50%	203 lx

Conditions:

Number of c-planes: 2

Lux at center: 407 lx

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



Total lumen output:

4816 lm

Peak candela output:

16383 cd

Light quality:

CRI: 83,5

Color temperature:

3145 K

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ2550 - Max Zoom

Target:

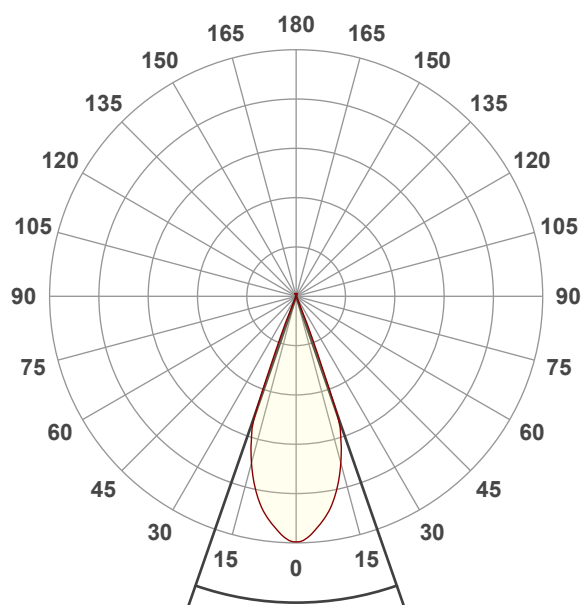
3200K

Operator:

Paolo Carvone

Date and time:

26/10/2022 14:39:03

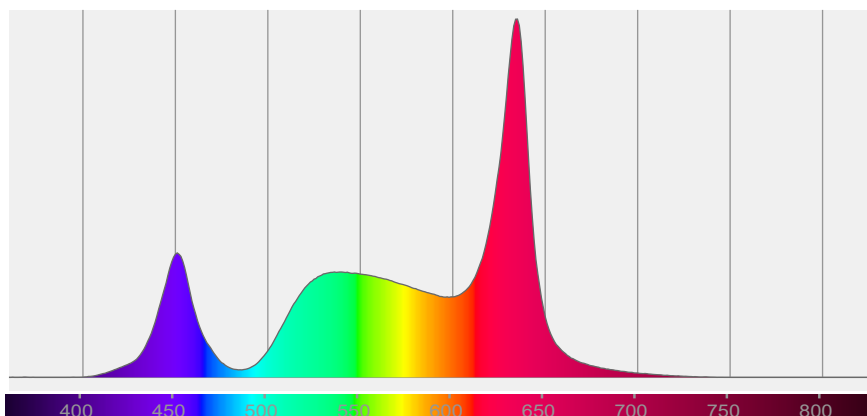


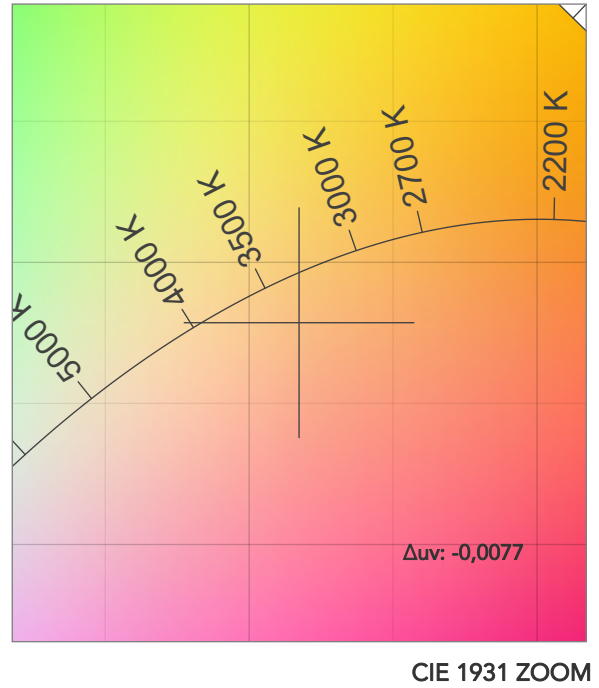
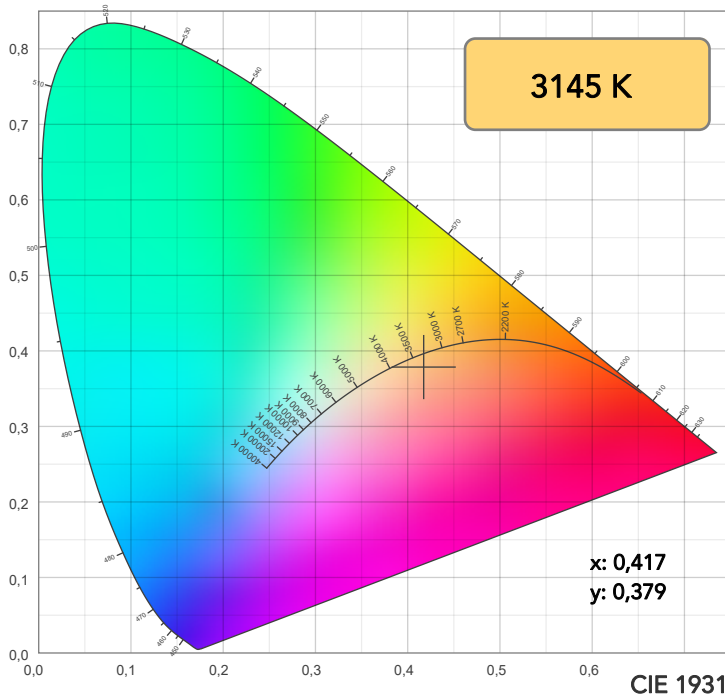
Beam angle 50%: 38,4°

Field angle 10%: 44°

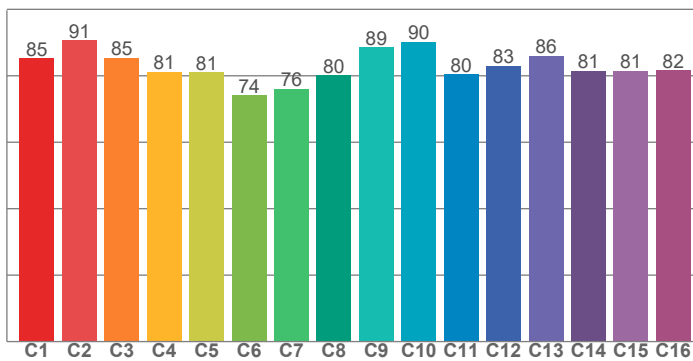
Cut off angle 2.5%: 45,7°

Spectra

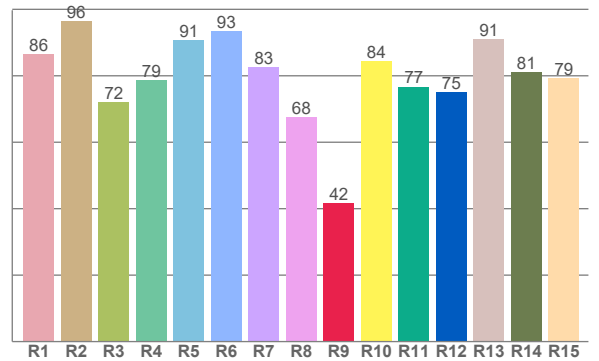




TM30: 83,4



CRI: 83,5 (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
86,5	96,4	72,0	78,6	90,6	93,4	82,6	67,6	41,7	84,5	76,7	75,1	91,0	81,0	79,3

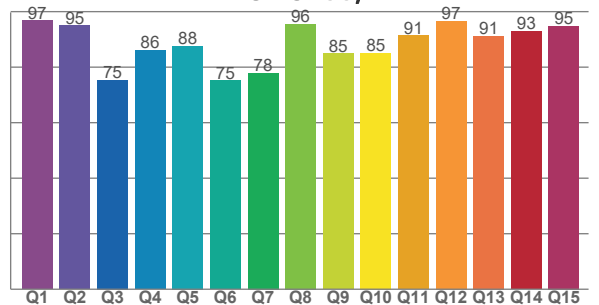
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
85,2	90,7	85,4	81,2	81,0	74,1	76,0	80,1	88,5	90,3	80,4	82,9	85,9	81,5	81,4	81,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,8	94,9	75,3	86,1	87,6	75,1	77,9	95,6	84,8	85,1	91,4	96,6	91,3	92,9	94,8

CQS: 86,1



COLOR PARAMETERS

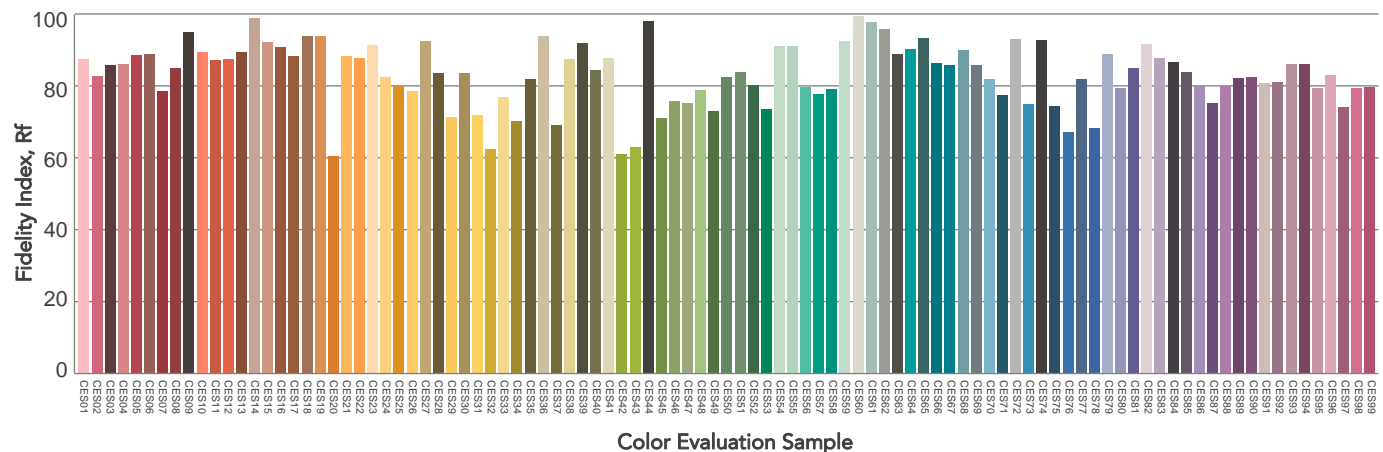
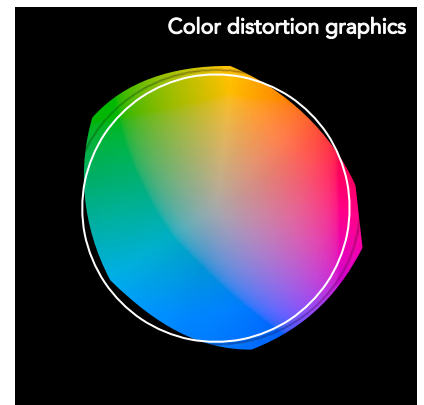
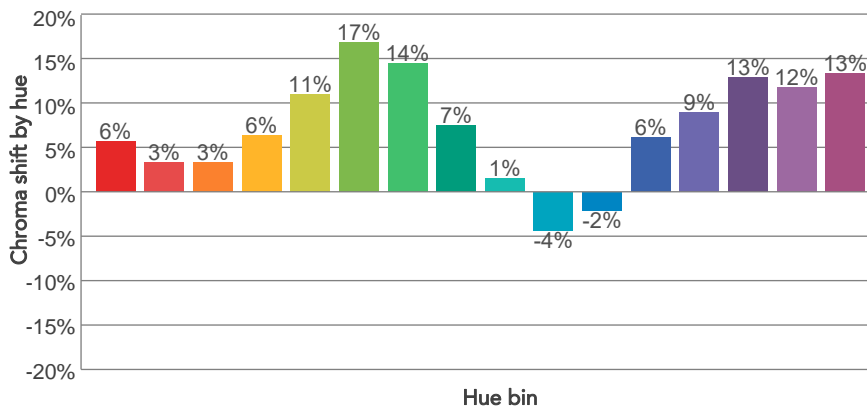
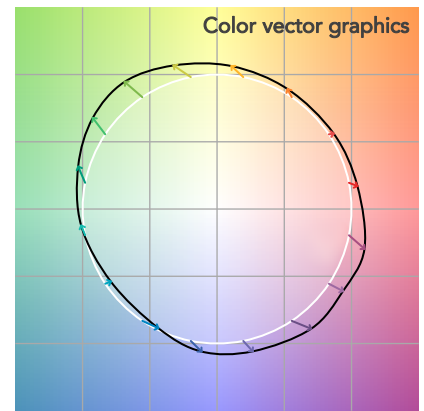
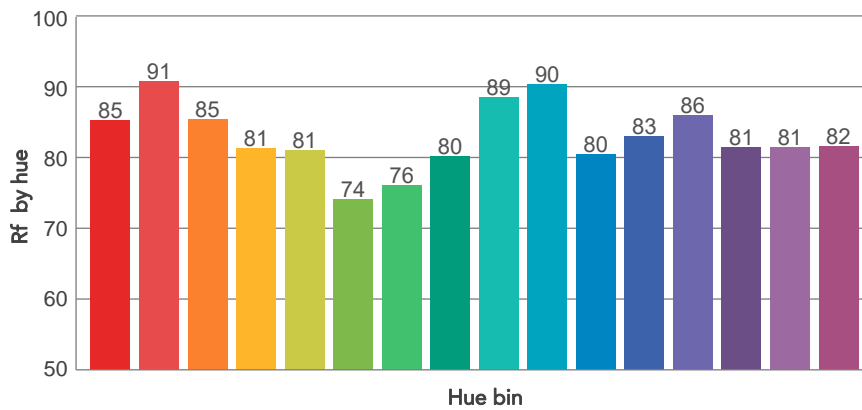
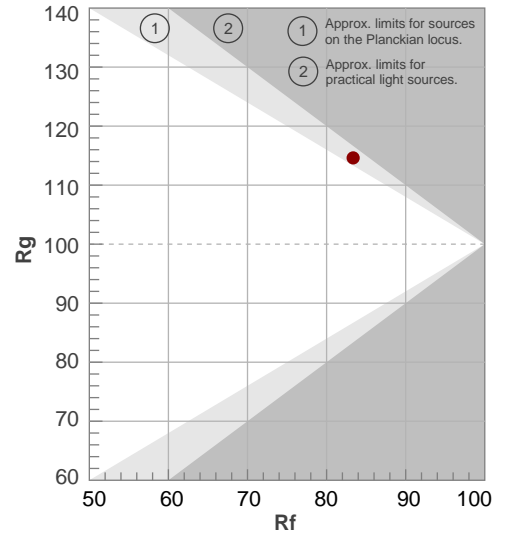
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3145 K	83,5	41,7	83,4	114,6	86,1	68	0,417	0,379	-0,0077

TM30 DETAILS

Rf 83,4
Fidelity index Rf

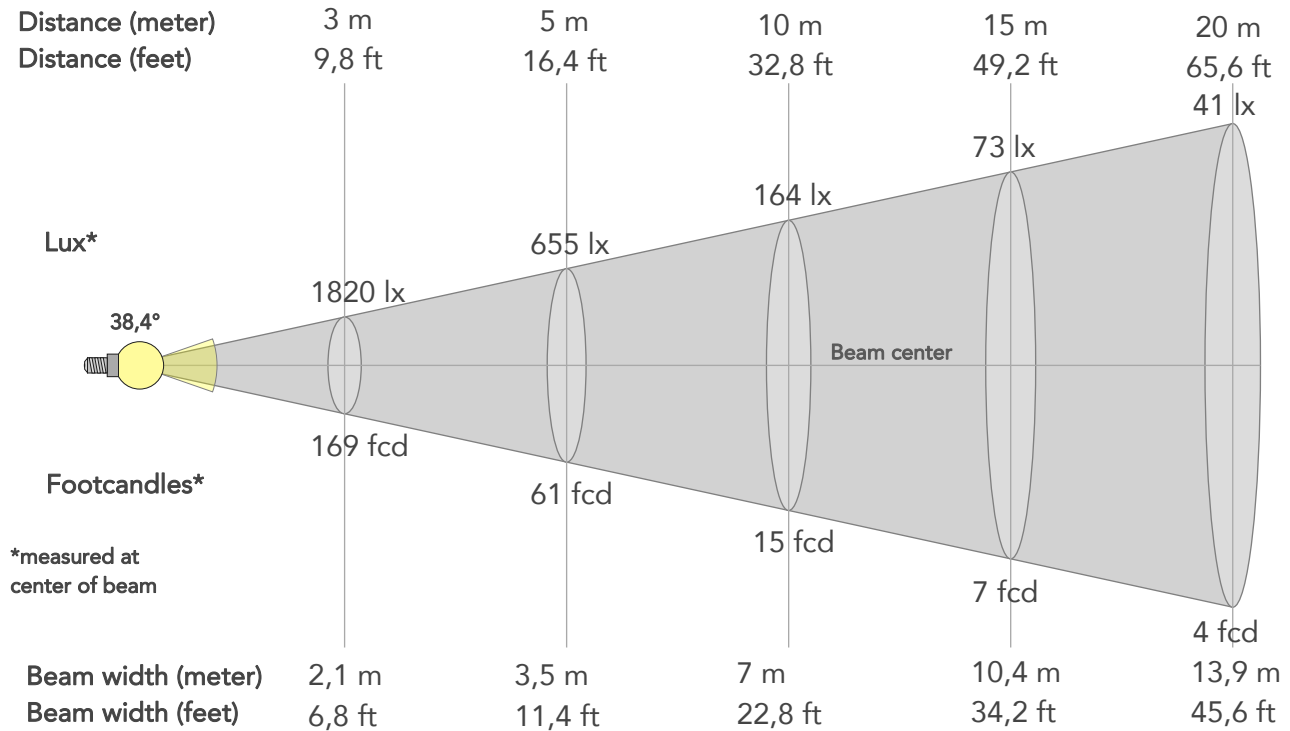
Rg 114,6
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	85	6%	-4%
2	91	3%	-2%
3	85	3%	6%
4	81	6%	10%
5	81	11%	11%
6	74	17%	5%
7	76	14%	-5%
8	80	7%	-11%
9	89	1%	-8%
10	90	-4%	1%
11	80	-2%	13%
12	83	6%	9%
13	86	9%	5%
14	81	13%	9%
15	81	12%	1%
16	82	13%	-8%



BEAM DETAILS

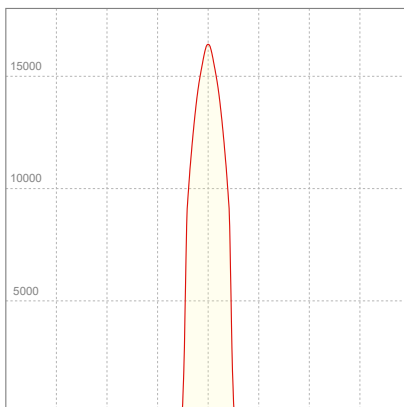
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38,4°	44°	45,7°	100,0%	100,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	16383lx	4096lx	1820lx	1024lx	655lx	291lx	164lx	73lx	41lx	26lx	18lx	10lx	7lx
Footcand.	1522fcd	381fcd	169fcd	95fcd	61fcd	27fcd	15fcd	7fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,7m	1,4m	2,1m	2,8m	3,5m	5,2m	7m	10,4m	13,9m	17,4m	20,9m	27,8m	34,8m
Beam wid.	2,3ft	4,6ft	6,8ft	9,1ft	11,4ft	17,1ft	22,8ft	34,2ft	45,6ft	57,1ft	68,5ft	91,3ft	114,1ft

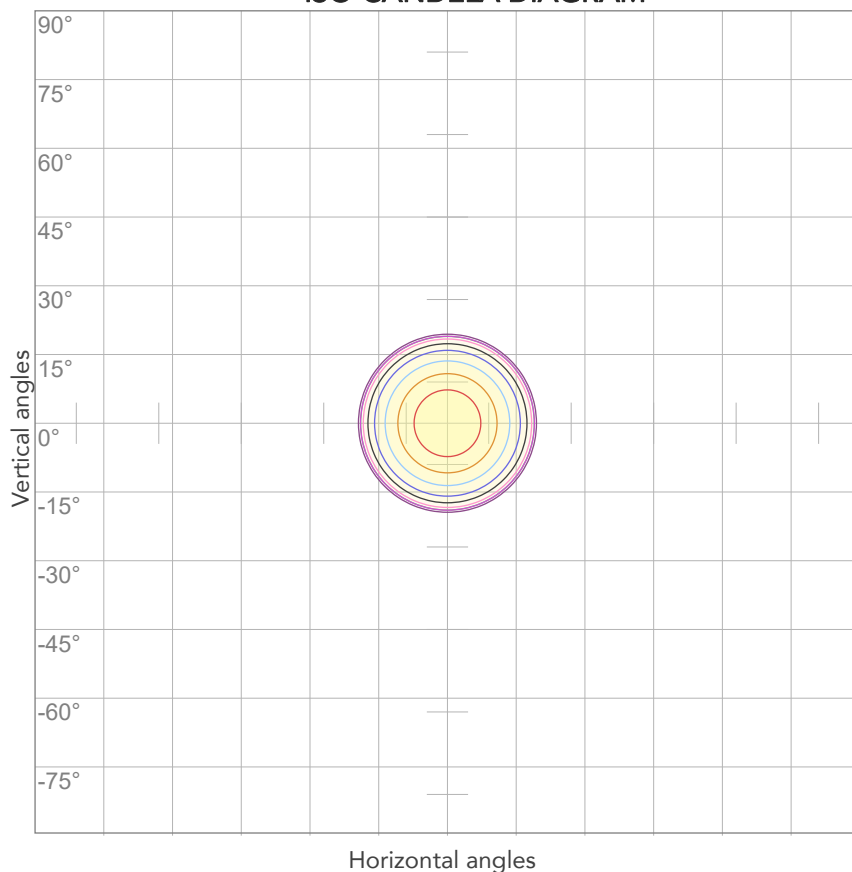
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,591A	124,5W	39lm/W

ISO CANDELA DIAGRAM



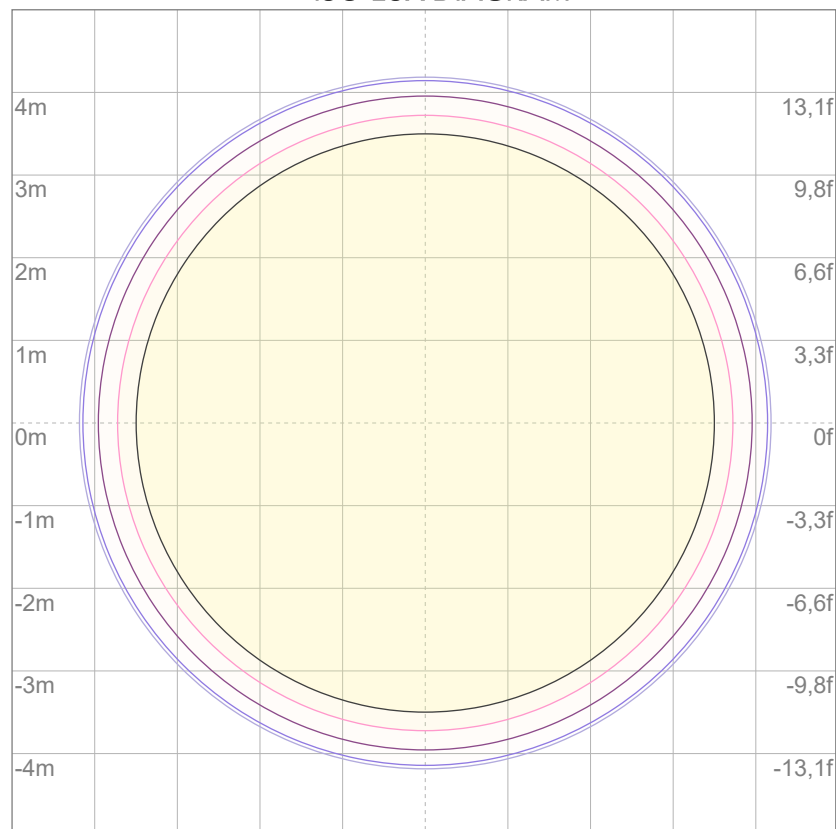
10%	1638 cd
20%	3277 cd
30%	4915 cd
40%	6553 cd
50%	8191 cd
60%	9830 cd
70%	11468 cd
80%	13106 cd

Conditions:

Number of c-planes: 2

Candela at center: 16383 cd

ISO LUX DIAGRAM



3%	4,91 lx
5%	8,19 lx
10%	16,4 lx
30%	49,1 lx
50%	81,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 164 lx

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



Total lumen output:

4511 lm

Peak candela output:

44856 cd

Light quality:

CRI: 83,3

Color temperature:

3174 K

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ2550 - Min Zoom

Target:

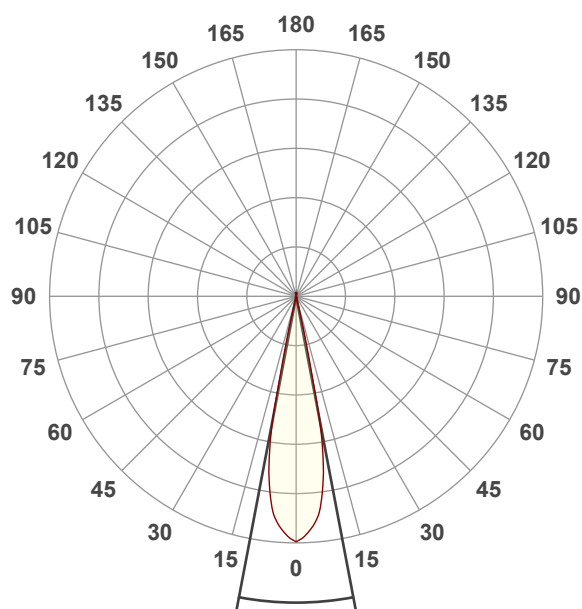
3200K

Operator:

Paolo Carvone

Date and time:

26/10/2022 13:27:35

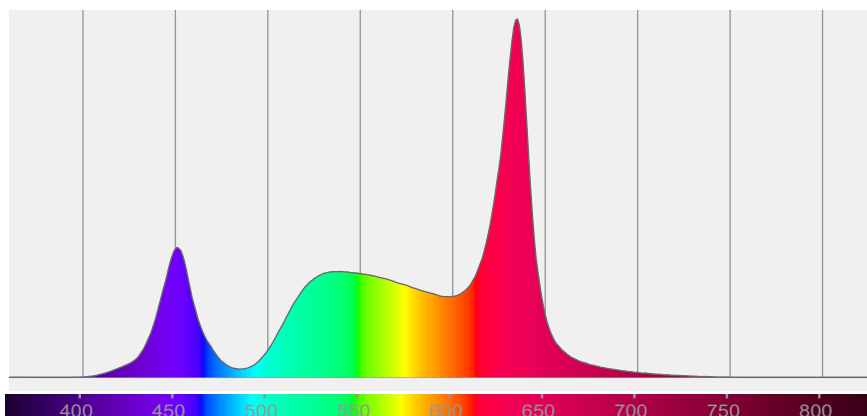


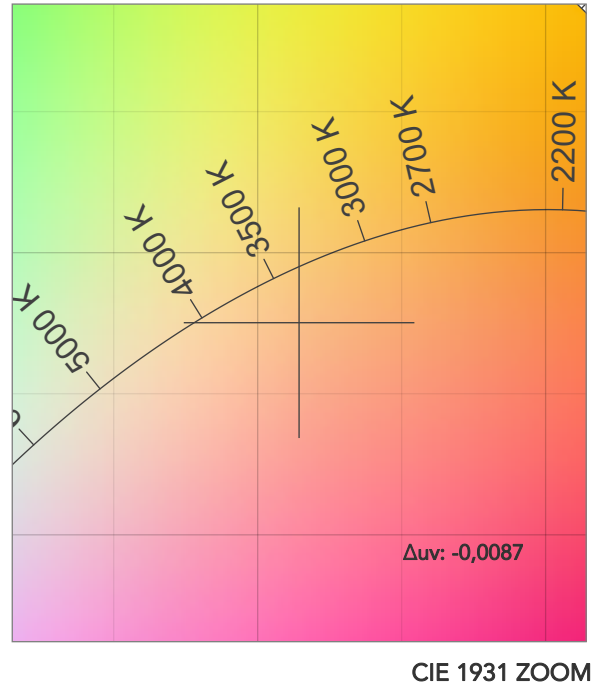
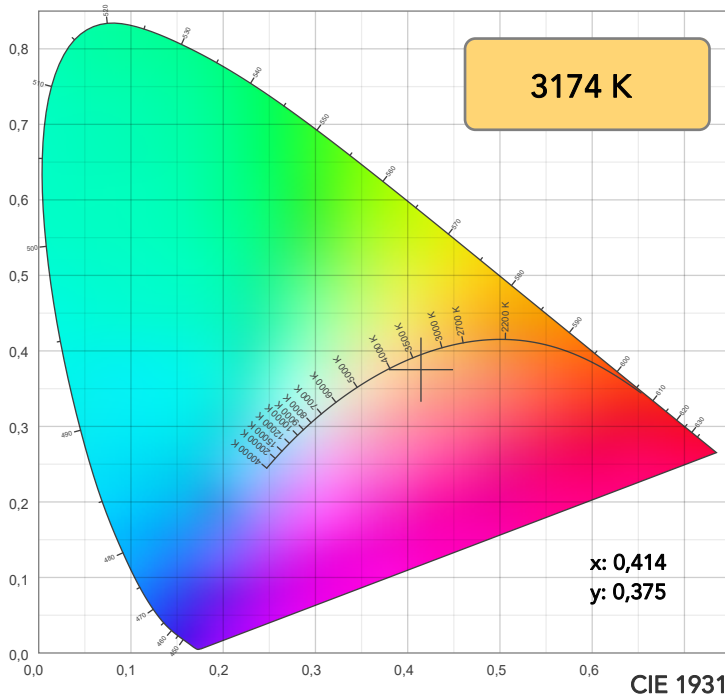
Beam angle 50%: 21,5°

Field angle 10%: 25,8°

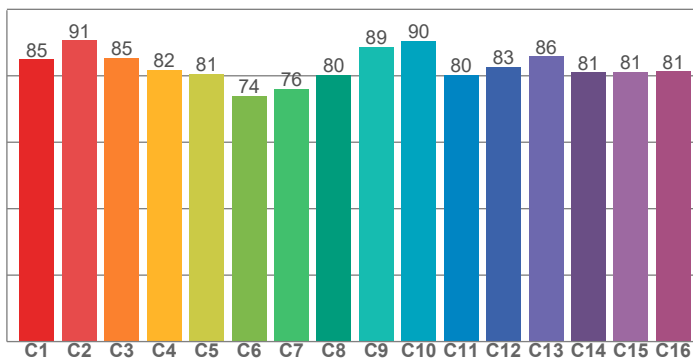
Cut off angle 2.5%: 26,9°

Spectra

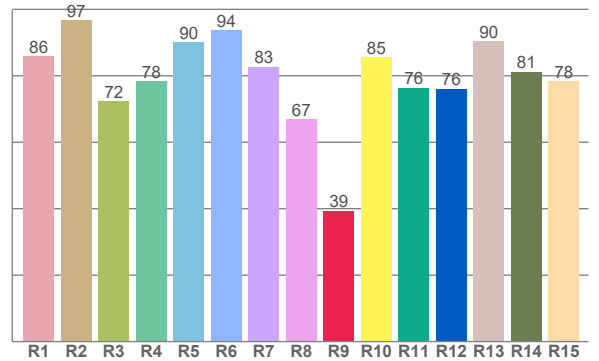




TM30: 83,3



CRI: 83,3 (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
85,8	96,7	72,3	78,4	90,1	93,8	82,7	66,8	39,3	85,5	76,4	76,1	90,4	81,2	78,3

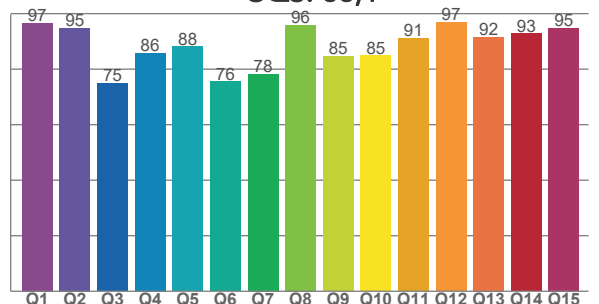
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
85,0	90,6	85,3	81,8	80,6	74,0	76,1	80,3	88,8	90,5	80,3	82,7	85,8	81,0	81,2	81,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,7	94,8	74,9	85,9	88,1	75,5	78,2	95,8	84,6	84,9	91,1	96,9	91,7	92,8	94,8

CQS: 86,1



COLOR PARAMETERS

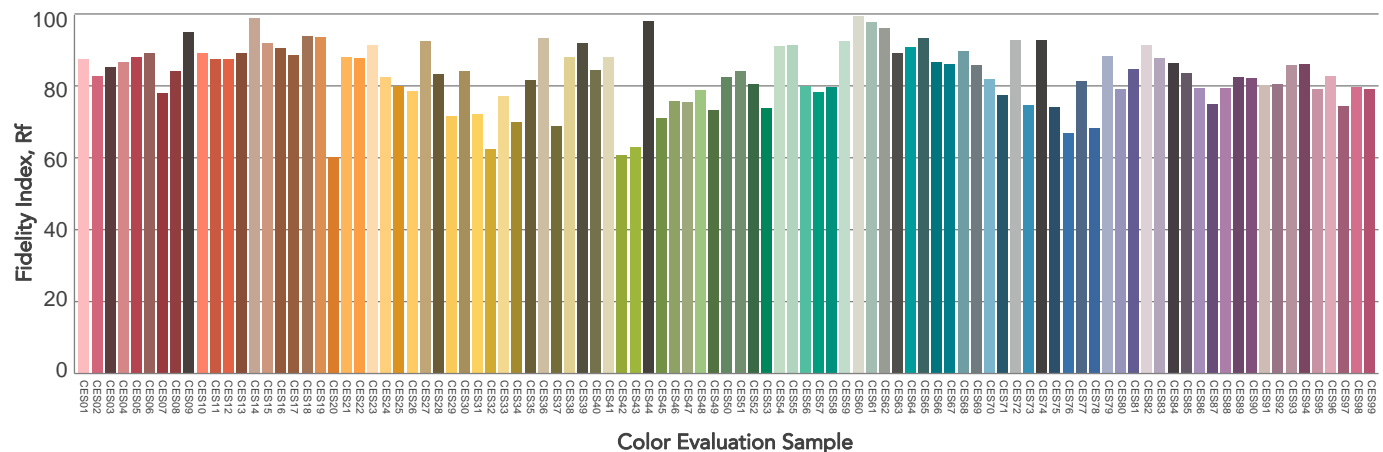
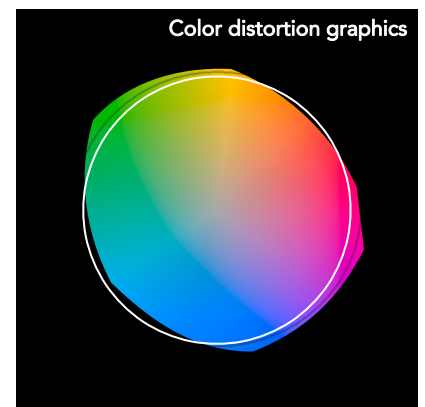
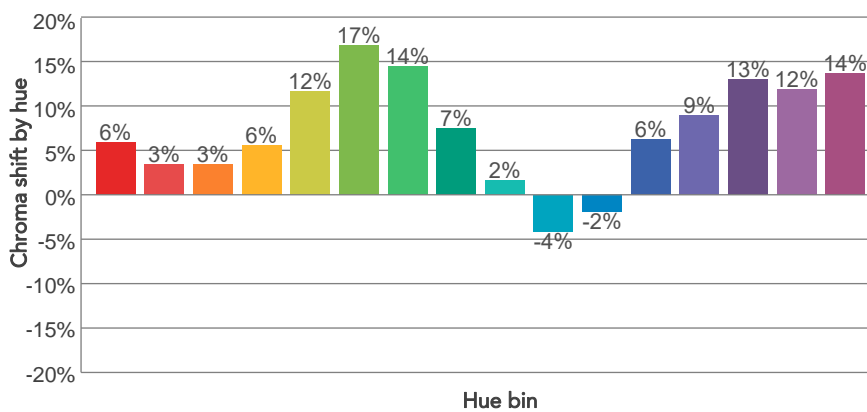
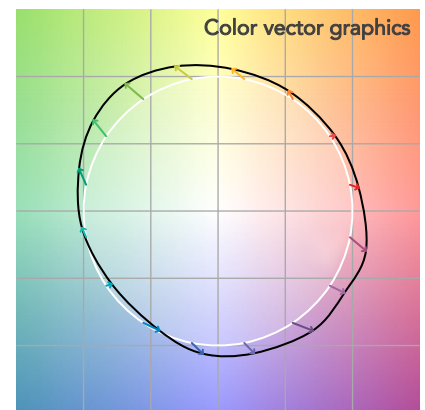
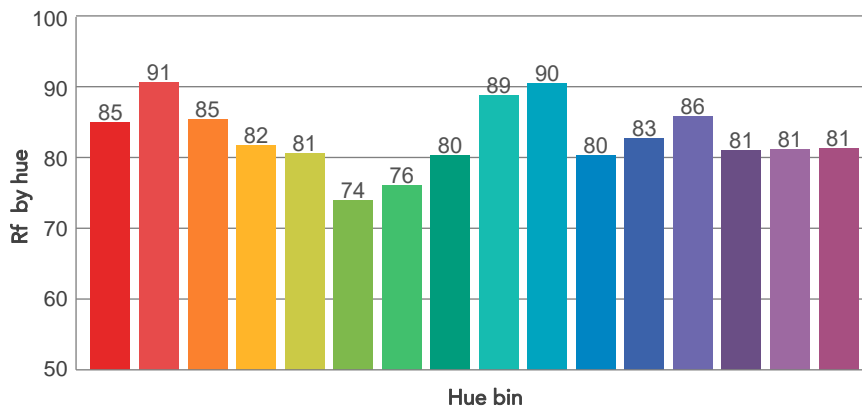
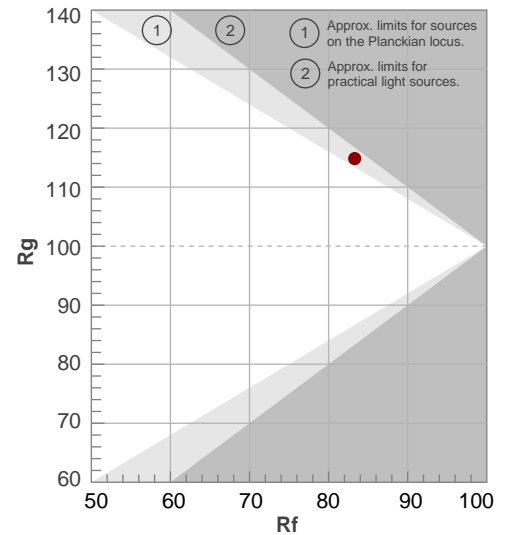
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3174 K	83,3	39,3	83,3	114,8	86,1	68	0,414	0,375	-0,0087

TM30 DETAILS

Rf 83,3
Fidelity index Rf

Rg 114,8
Gammut index

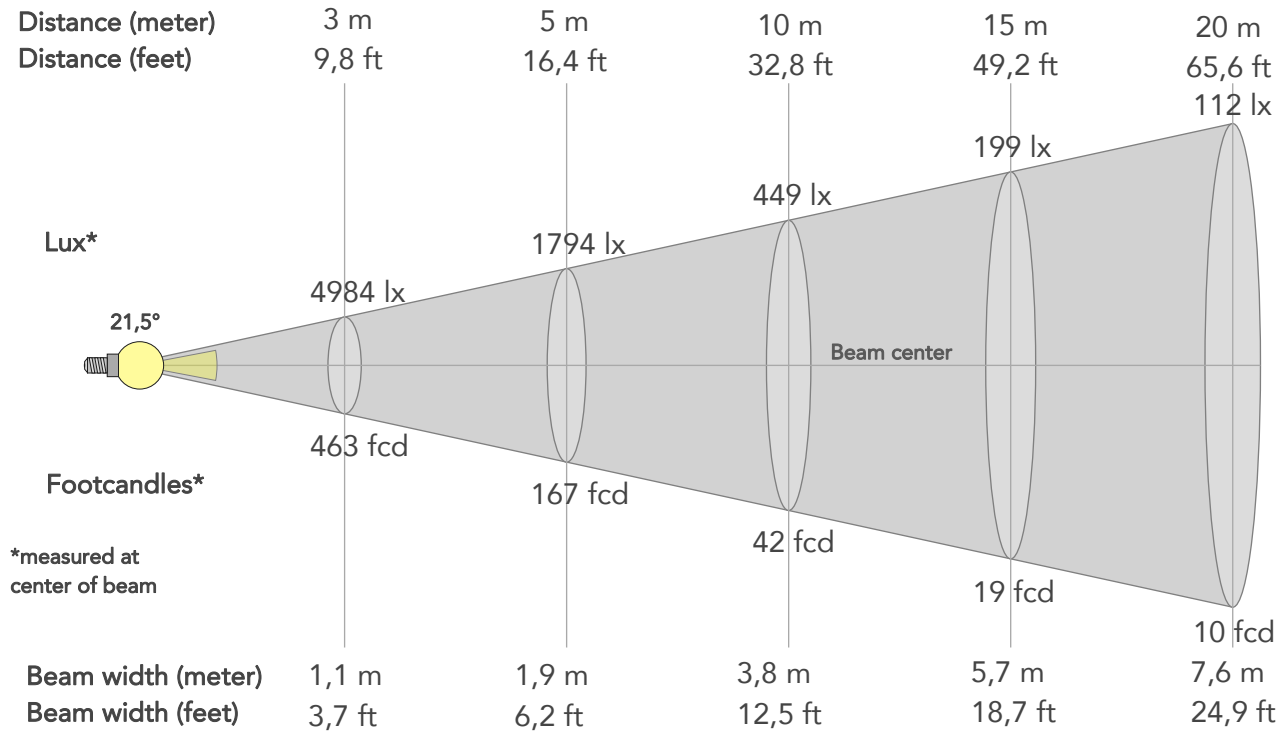
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	85	6%	-3%
2	91	3%	-2%
3	85	3%	6%
4	82	6%	10%
5	81	12%	10%
6	74	17%	5%
7	76	14%	-5%
8	80	7%	-11%
9	89	2%	-7%
10	90	-4%	1%
11	80	-2%	13%
12	83	6%	10%
13	86	9%	6%
14	81	13%	9%
15	81	12%	2%
16	81	14%	-7%



BEAM DETAILS



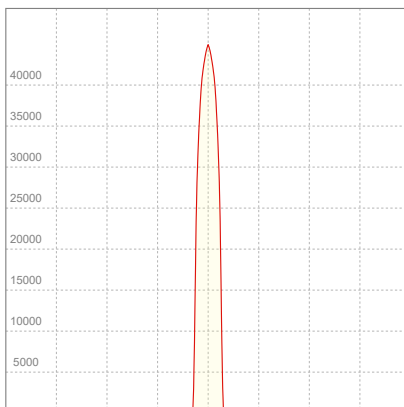
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,5°	25,8°	26,9°	100,0%	100,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	44856lx	11214lx	4984lx	2803lx	1794lx	797lx	449lx	199lx	112lx	72lx	50lx	28lx	18lx
Footcand.	4167fcd	1042fcd	463fcd	260fcd	167fcd	74fcd	42fcd	19fcd	10fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	0,4m	0,8m	1,1m	1,5m	1,9m	2,9m	3,8m	5,7m	7,6m	9,5m	11,4m	15,2m	19m
Beam wid.	1,3ft	2,5ft	3,7ft	5ft	6,2ft	9,4ft	12,5ft	18,7ft	24,9ft	31,2ft	37,4ft	49,9ft	62,3ft

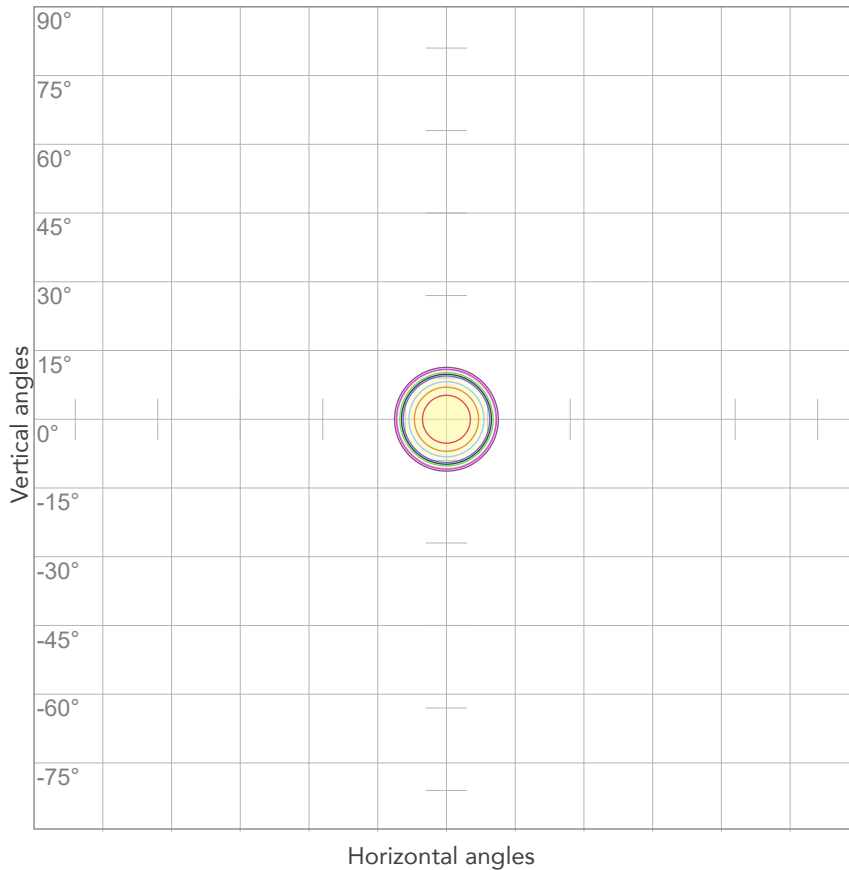
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,594A	125,4W	36lm/W

ISO CANDELA DIAGRAM



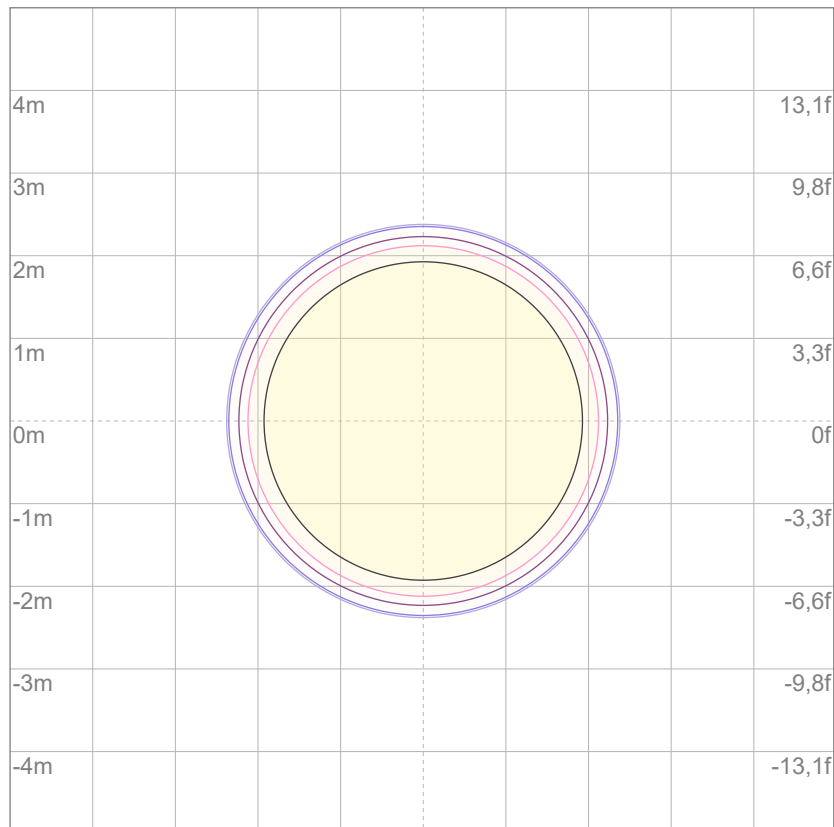
10%	4486 cd
20%	8971 cd
30%	13457 cd
40%	17942 cd
50%	22428 cd
60%	26913 cd
70%	31399 cd
80%	35885 cd

Conditions:

Number of c-planes: 2

Candela at center: 44856 cd

ISO LUX DIAGRAM



3%	13,5 lx
5%	22,4 lx
10%	44,9 lx
30%	135 lx
50%	224 lx

Conditions:

Number of c-planes: 2

Lux at center: 449 lx

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



Total lumen output:

5418 lm

Peak candela output:

18419 cd

Light quality:

CRI: 82,8

Color temperature:

3972 K

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ2550 - Max Zoom

Target:

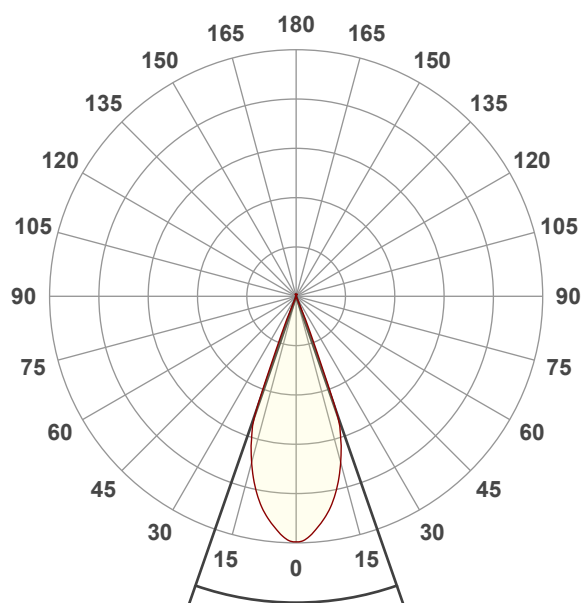
4000K

Operator:

Paolo Carvone

Date and time:

26/10/2022 14:37:19

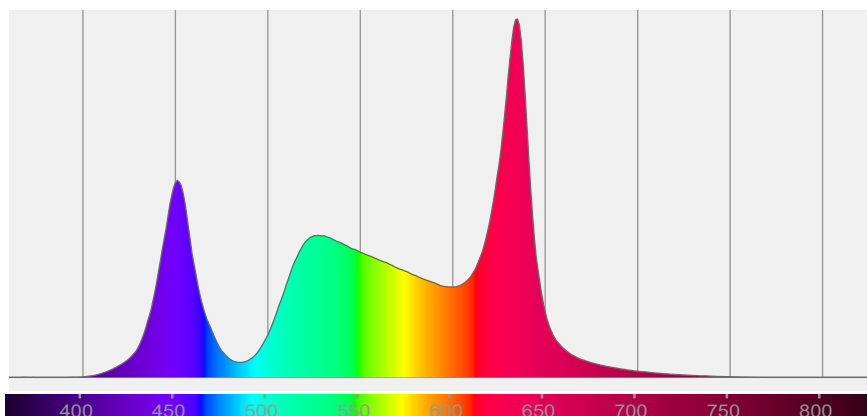


Beam angle 50%: 38,4°

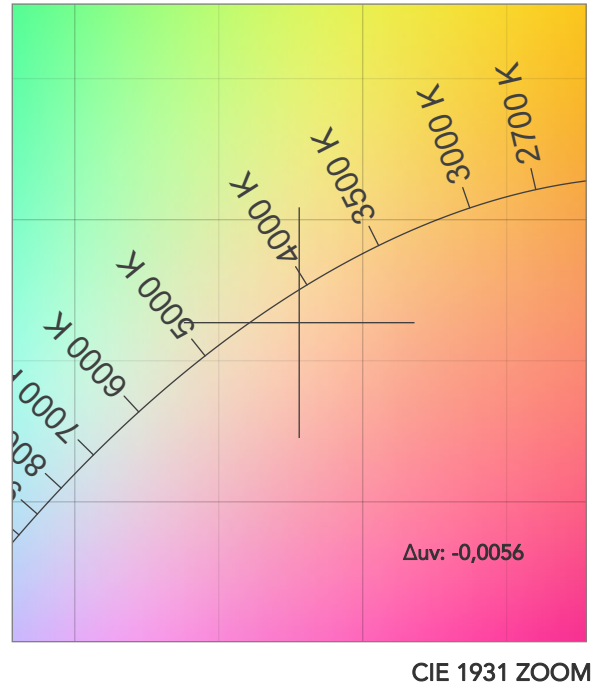
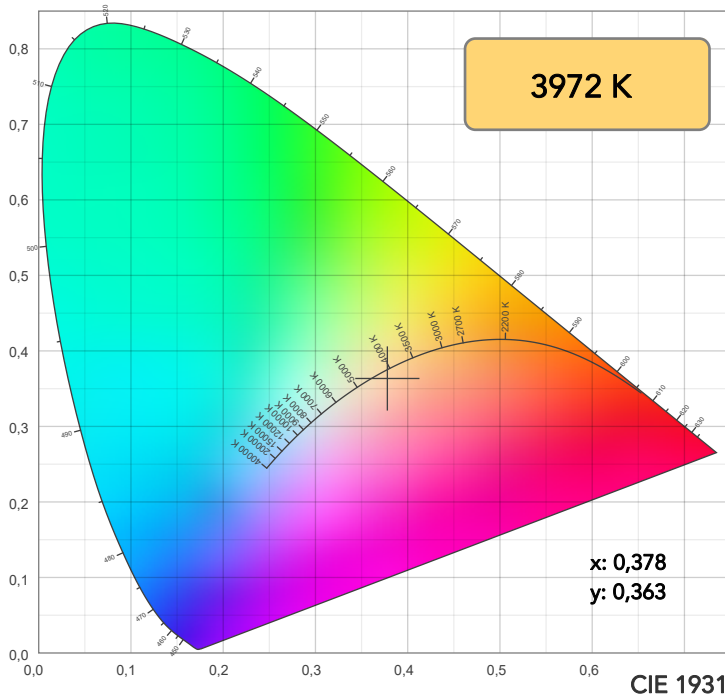
Field angle 10%: 44°

Cut off angle 2.5%: 45,9°

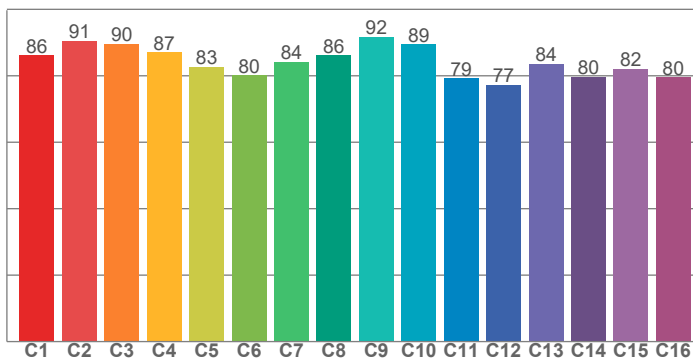
Spectra



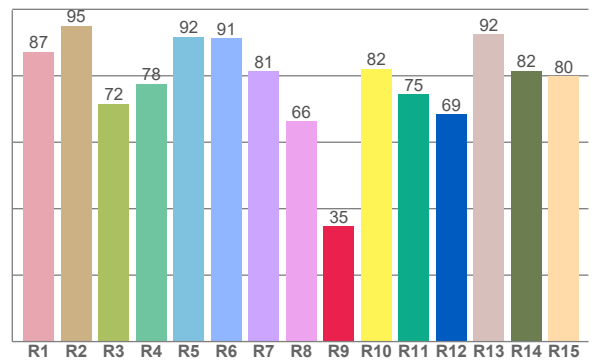
COLOR DETAILS



TM30: 84,7



CRI: 82,8 (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
87,2	95,0	71,6	77,6	91,7	91,3	81,4	66,3	34,6	82,2	74,5	68,5	92,4	81,5	79,8

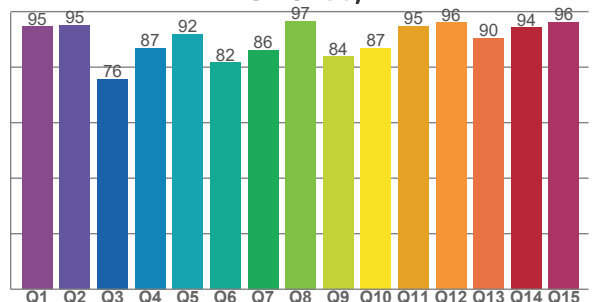
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
86,2	90,6	89,5	87,1	82,7	80,1	84,1	86,2	91,7	89,4	79,2	77,2	83,5	79,6	82,1	79,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,7	95,1	75,8	86,9	91,8	81,6	86,3	96,6	83,8	86,8	94,8	96,1	90,4	94,3	96,3

CQS: 88,4



COLOR PARAMETERS

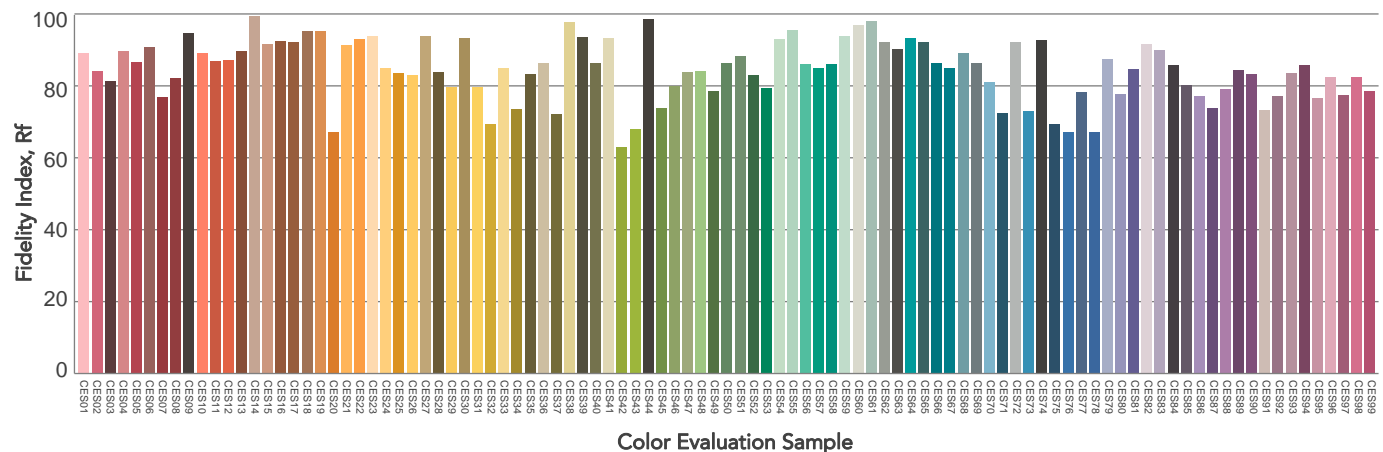
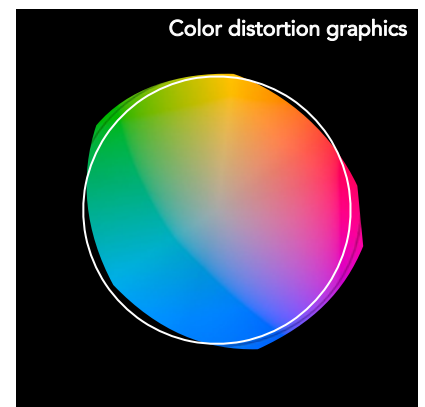
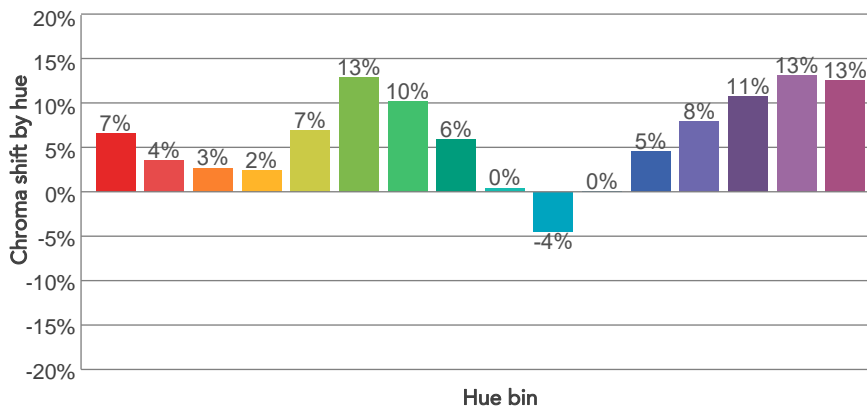
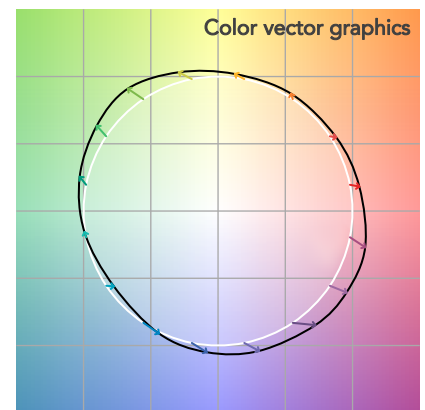
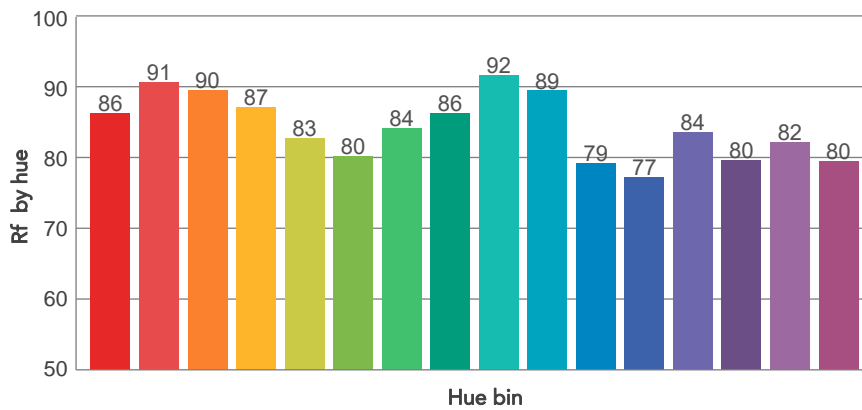
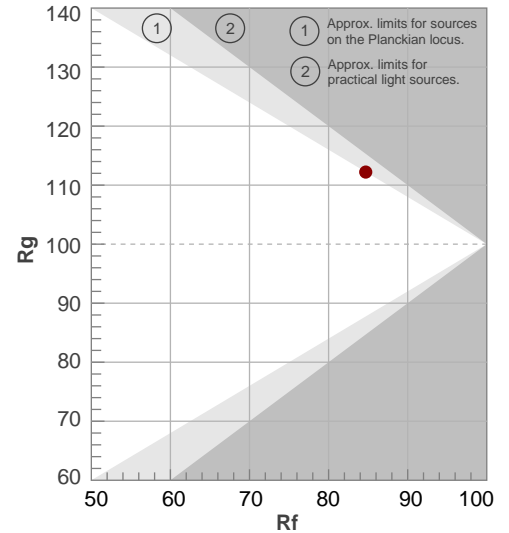
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3972 K	82,8	34,6	84,7	112,2	88,4	76	0,378	0,363	-0,0056

TM30 DETAILS

Rf 84,7
Fidelity index Rf

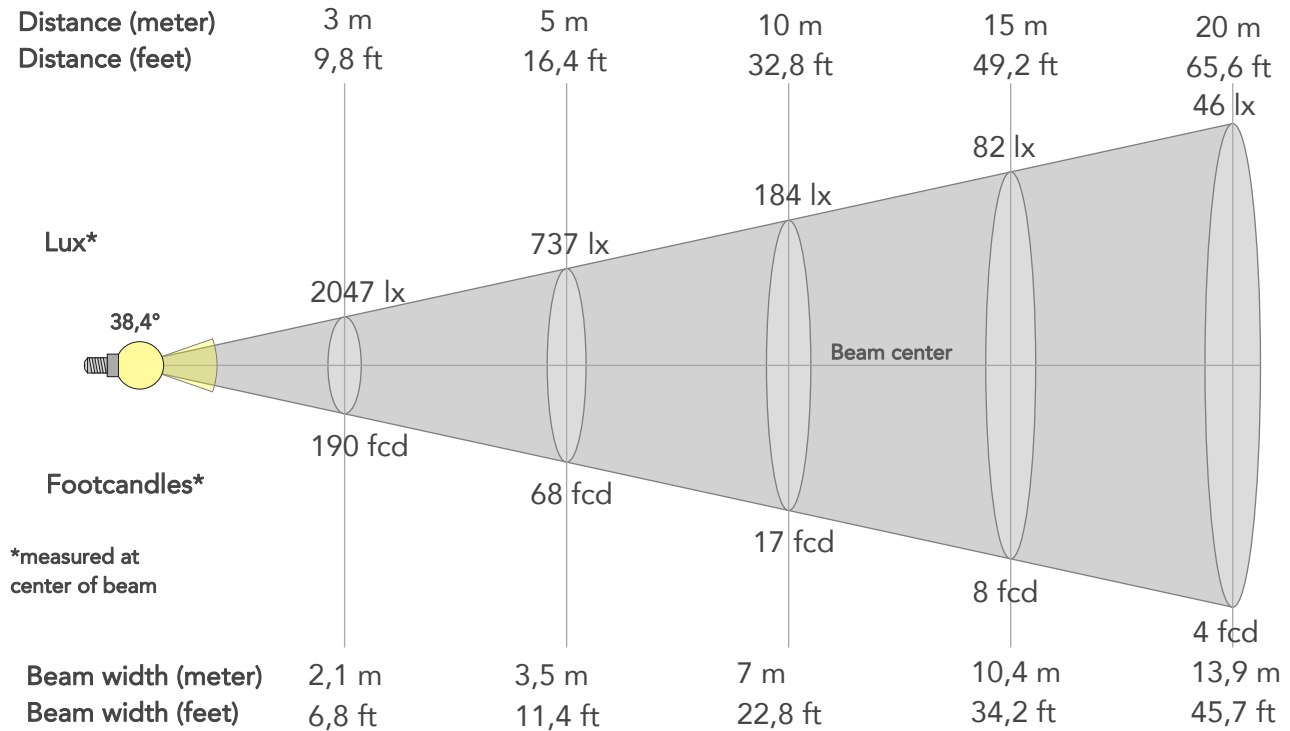
Rg 112,2
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	86	7%	-3%
2	91	4%	-3%
3	90	3%	3%
4	87	2%	8%
5	83	7%	8%
6	80	13%	5%
7	84	10%	-3%
8	86	6%	-5%
9	92	0%	-4%
10	89	-4%	4%
11	79	0%	14%
12	77	5%	12%
13	84	8%	10%
14	80	11%	13%
15	82	13%	3%
16	80	13%	-5%



BEAM DETAILS

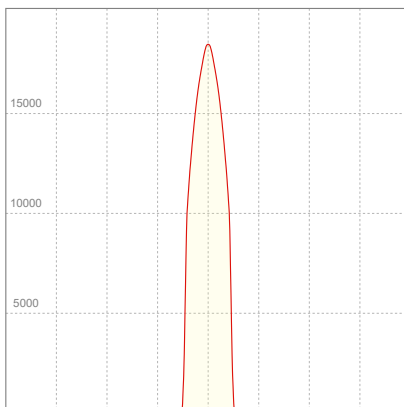
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38,4°	44°	45,9°	100,0%	100,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	18419lx	4605lx	2047lx	1151lx	737lx	327lx	184lx	82lx	46lx	29lx	20lx	12lx	7lx
Footcand.	1711fcd	428fcd	190fcd	107fcd	68fcd	30fcd	17fcd	8fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,7m	1,4m	2,1m	2,8m	3,5m	5,2m	7m	10,4m	13,9m	17,4m	20,9m	27,8m	34,8m
Beam wid.	2,3ft	4,6ft	6,8ft	9,1ft	11,4ft	17,1ft	22,8ft	34,2ft	45,7ft	57,1ft	68,5ft	91,3ft	114,1ft

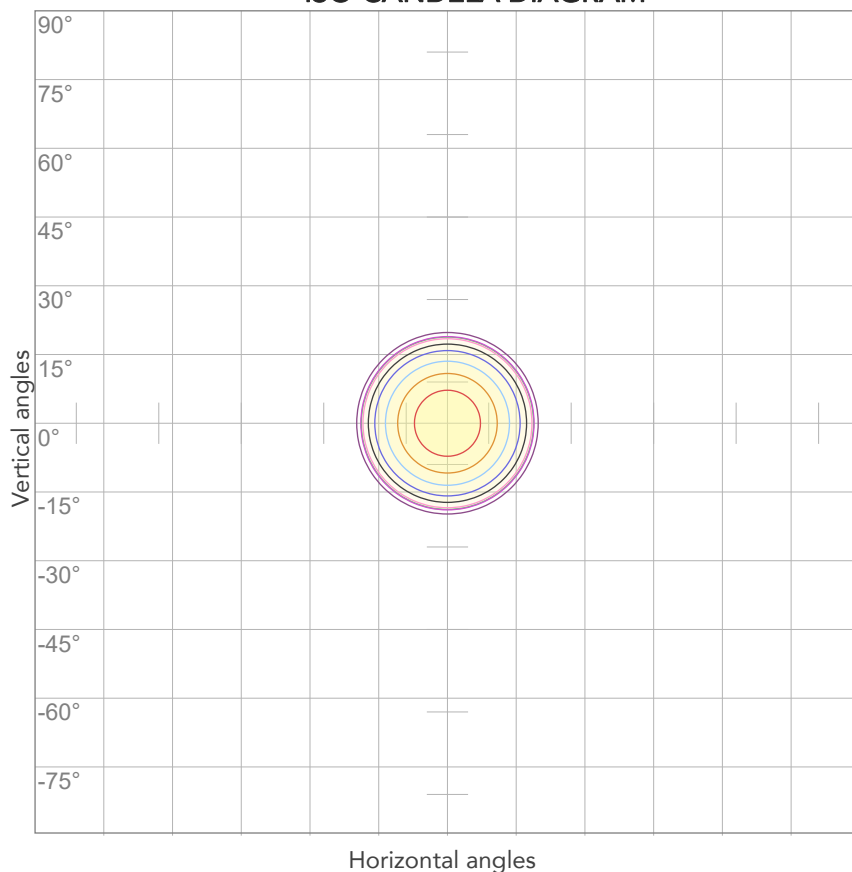
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,668A	141,7W	38lm/W

ISO CANDELA DIAGRAM



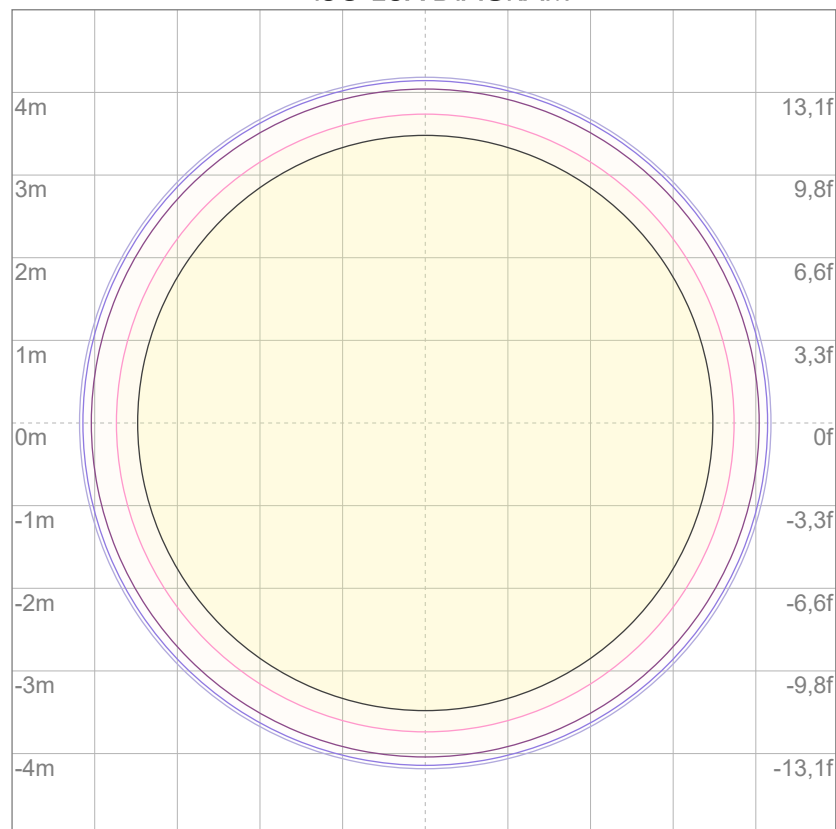
10%	1842 cd
20%	3684 cd
30%	5526 cd
40%	7368 cd
50%	9210 cd
60%	11052 cd
70%	12893 cd
80%	14735 cd

Conditions:

Number of c-planes: 2

Candela at center: 18419 cd

ISO LUX DIAGRAM



3%	5,53 lx
5%	9,21 lx
10%	18,4 lx
30%	55,3 lx
50%	92,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 184 lx

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



Total lumen output:

5046 lm

Peak candela output:

49674 cd

Light quality:

CRI: 82,3

Color temperature:

3959 K

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ2550 - Min Zoom

Target:

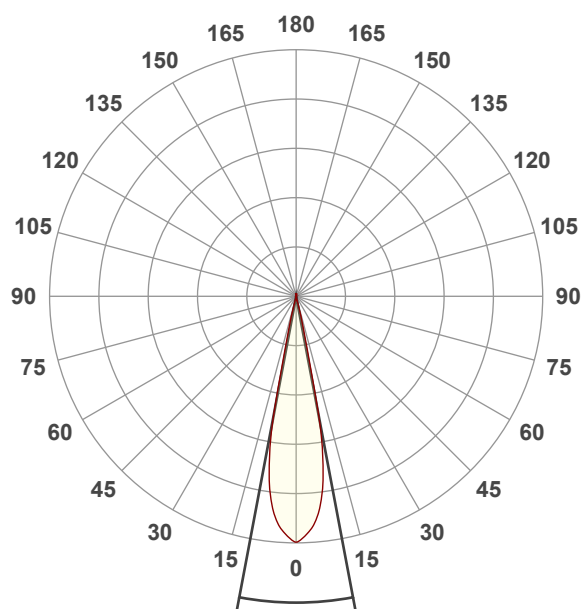
4000K

Operator:

Paolo Carvone

Date and time:

26/10/2022 13:29:58

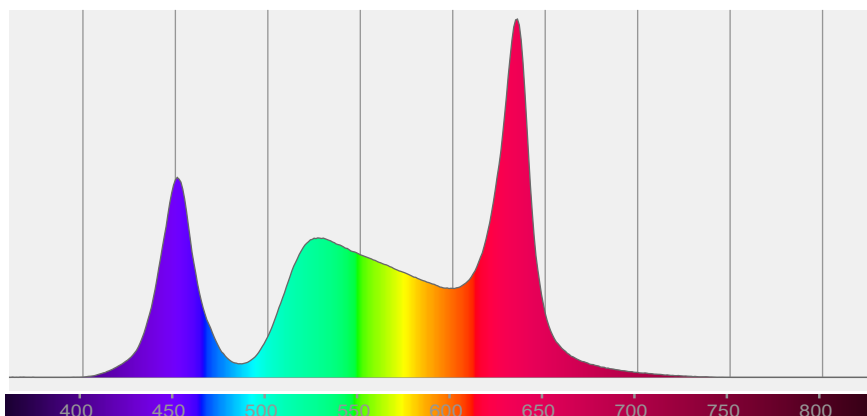


Beam angle 50%: 21,4°

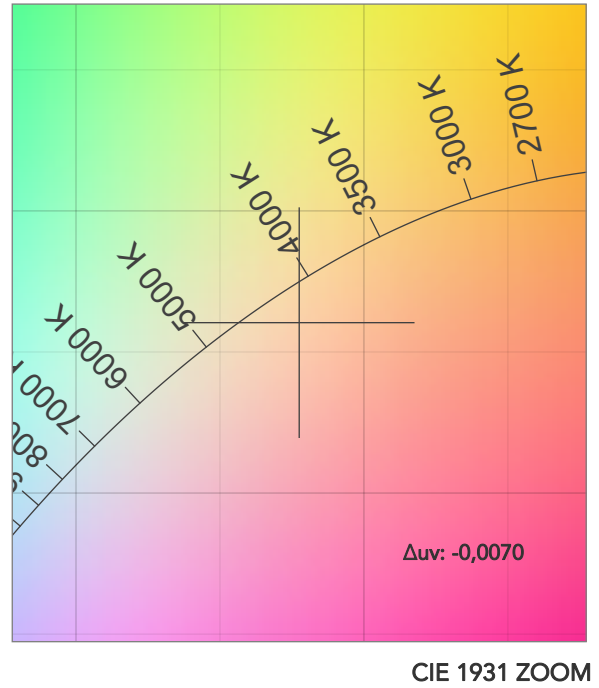
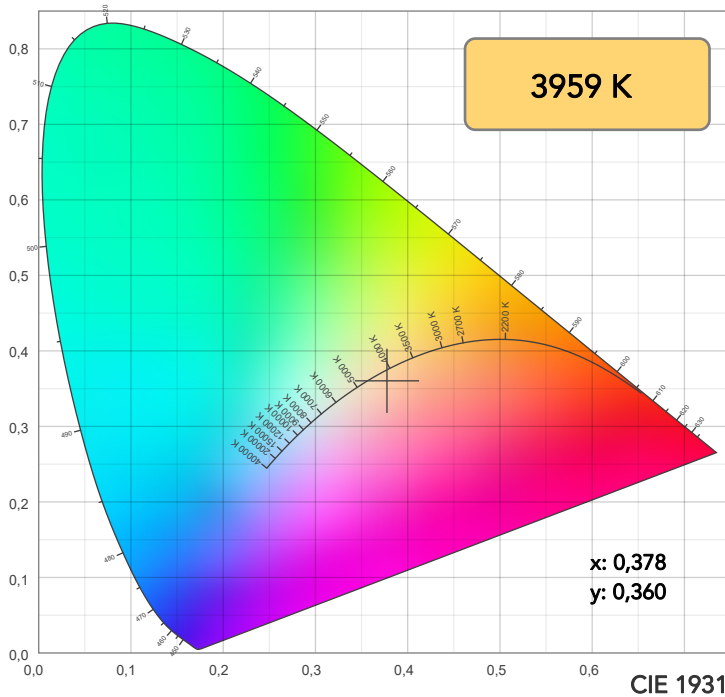
Field angle 10%: 26,3°

Cut off angle 2.5%: 28,4°

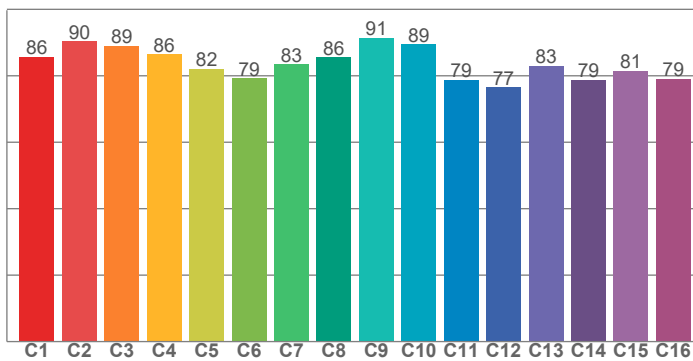
Spectra



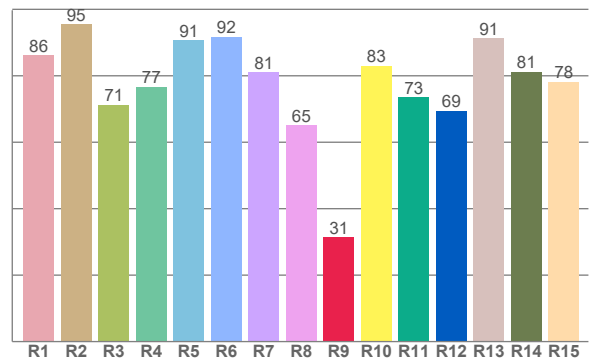
COLOR DETAILS



TM30: 84,2



CRI: 82,3 (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
86,2	95,4	71,3	76,7	90,7	91,8	81,1	65,0	31,5	83,1	73,4	69,4	91,4	81,2	78,3

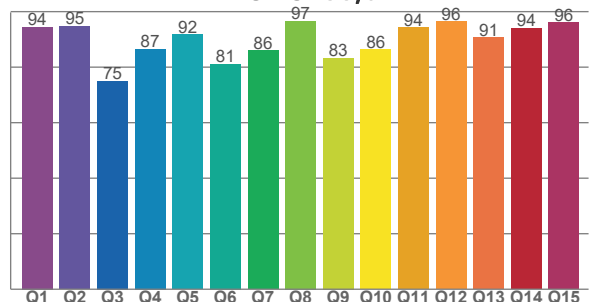
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
85,7	90,4	89,0	86,4	82,0	79,3	83,4	85,6	91,4	89,4	78,8	76,5	82,9	78,8	81,5	79,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,5	94,7	75,0	86,5	91,8	81,1	86,0	96,6	83,3	86,3	94,3	96,5	90,7	94,0	96,1

CQS: 88,0



COLOR PARAMETERS

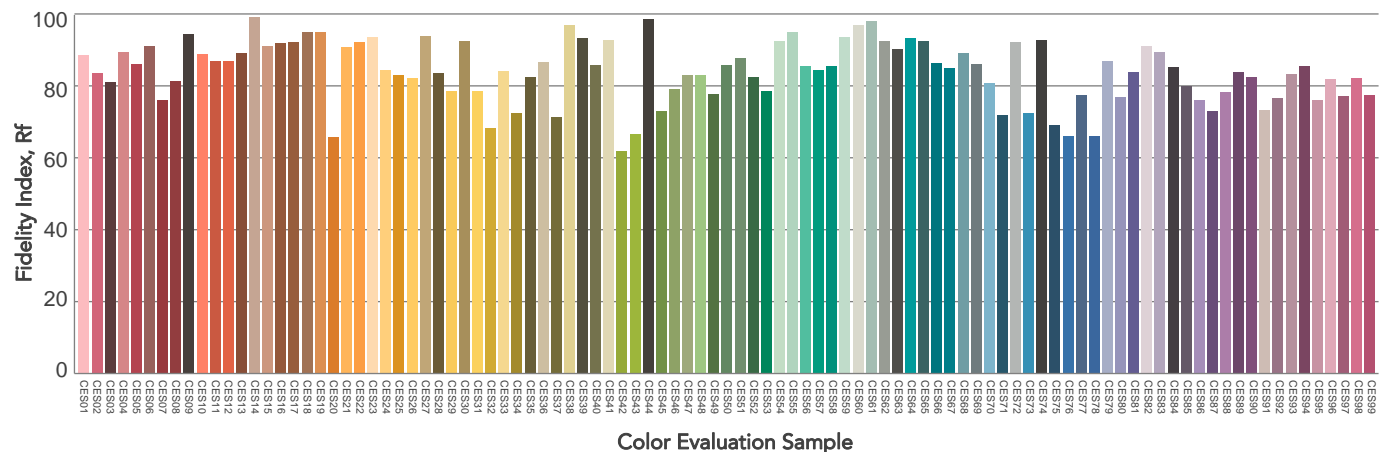
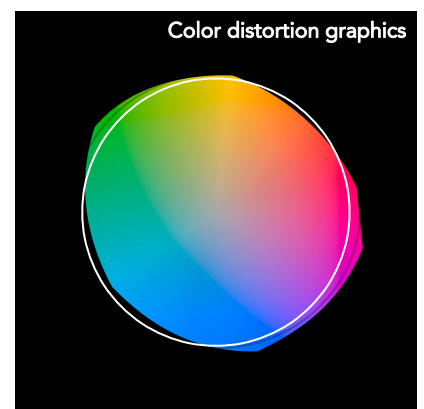
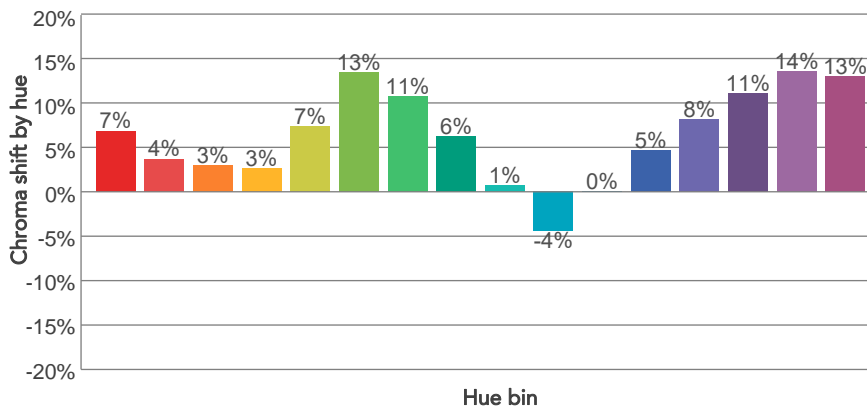
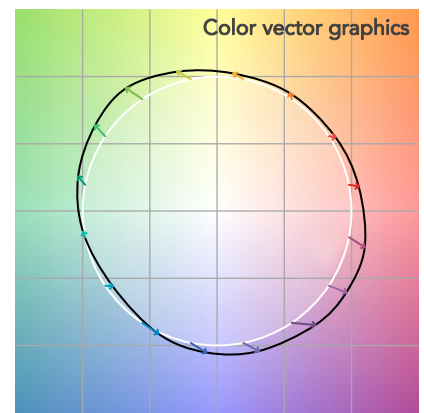
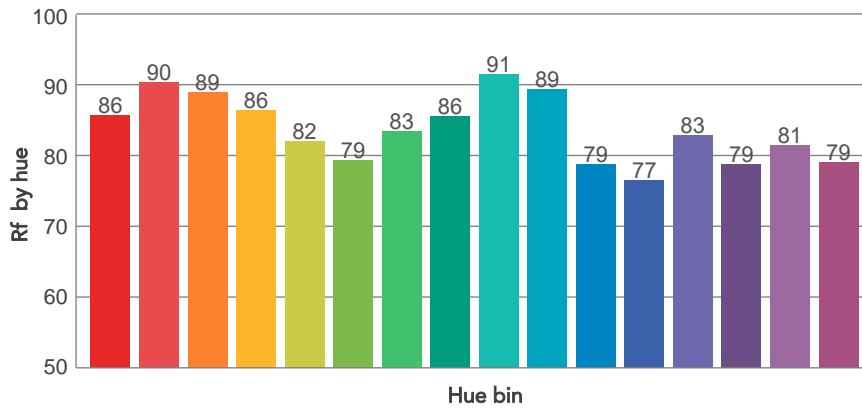
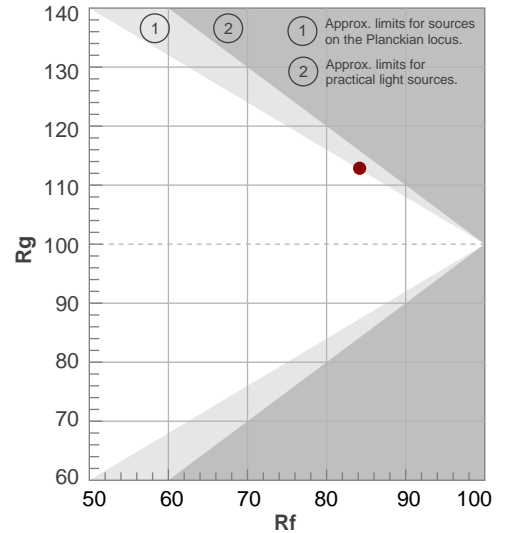
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3959 K	82,3	31,5	84,2	112,9	88,0	75	0,378	0,360	-0,0070

TM30 DETAILS

Rf 84,2
Fidelity index Rf

Rg 112,9
Gammut index

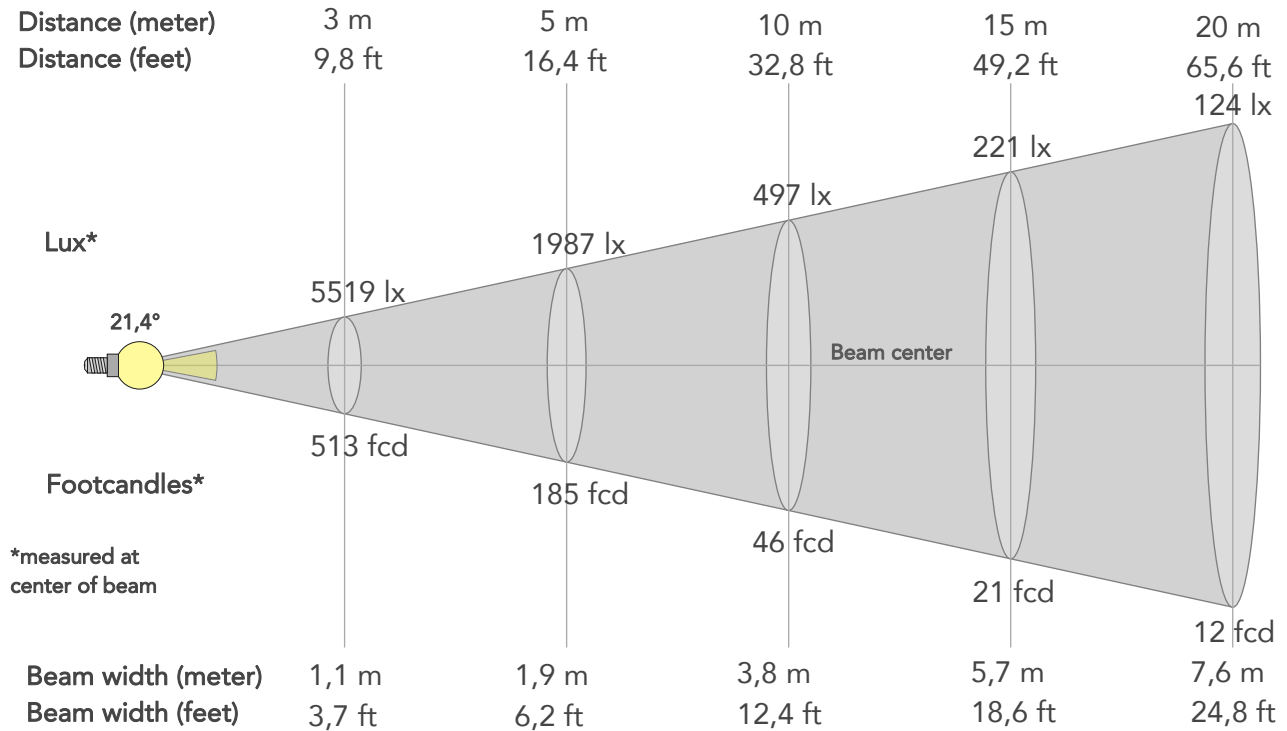
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	86	7%	-3%
2	90	4%	-3%
3	89	3%	4%
4	86	3%	8%
5	82	7%	9%
6	79	13%	5%
7	83	11%	-3%
8	86	6%	-5%
9	91	1%	-4%
10	89	-4%	3%
11	79	0%	14%
12	77	5%	13%
13	83	8%	10%
14	79	11%	14%
15	81	14%	3%
16	79	13%	-5%



BEAM DETAILS



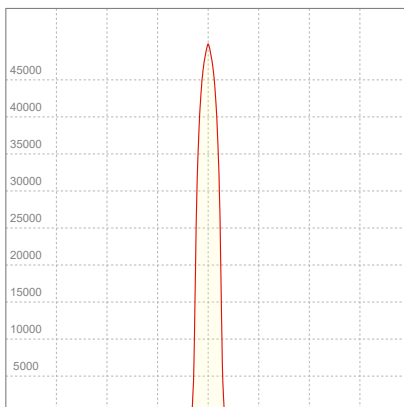
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,4°	26,3°	28,4°	100,0%	100,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	49674lx	12419lx	5519lx	3105lx	1987lx	883lx	497lx	221lx	124lx	79lx	55lx	31lx	20lx
Footcand.	4615fcd	1154fcd	513fcd	288fcd	185fcd	82fcd	46fcd	21fcd	12fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	0,4m	0,8m	1,1m	1,5m	1,9m	2,8m	3,8m	5,7m	7,6m	9,4m	11,3m	15,1m	18,9m
Beam wid.	1,2ft	2,5ft	3,7ft	4,9ft	6,2ft	9,3ft	12,4ft	18,6ft	24,8ft	31ft	37,2ft	49,6ft	62ft

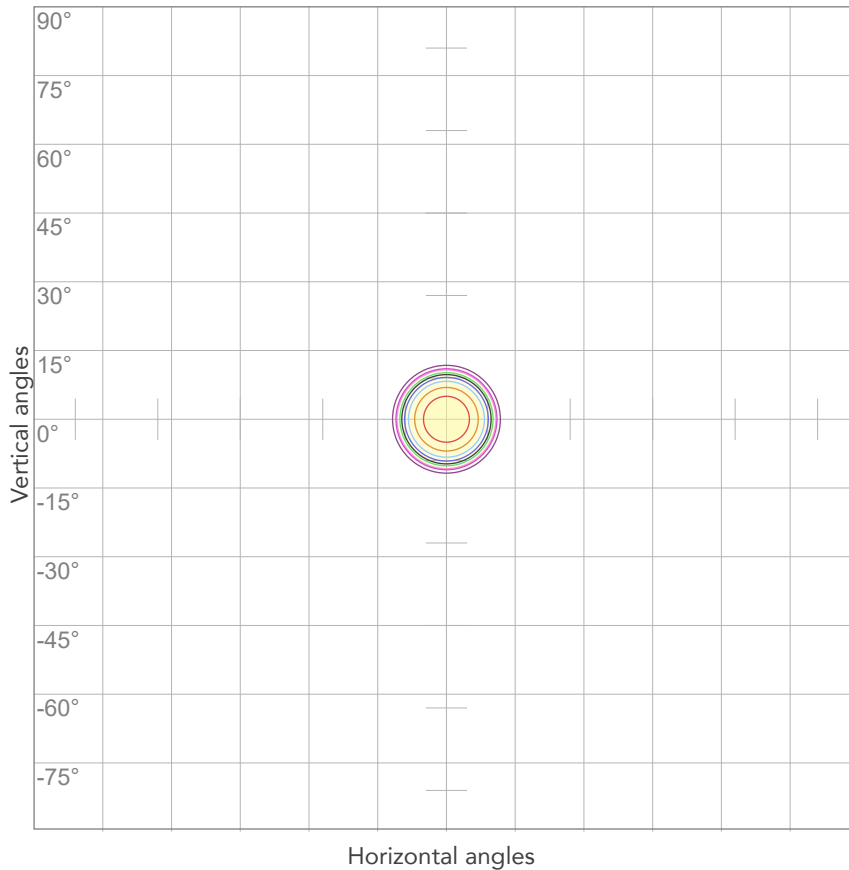
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,665A	141,7W	36lm/W

ISO CANDELA DIAGRAM



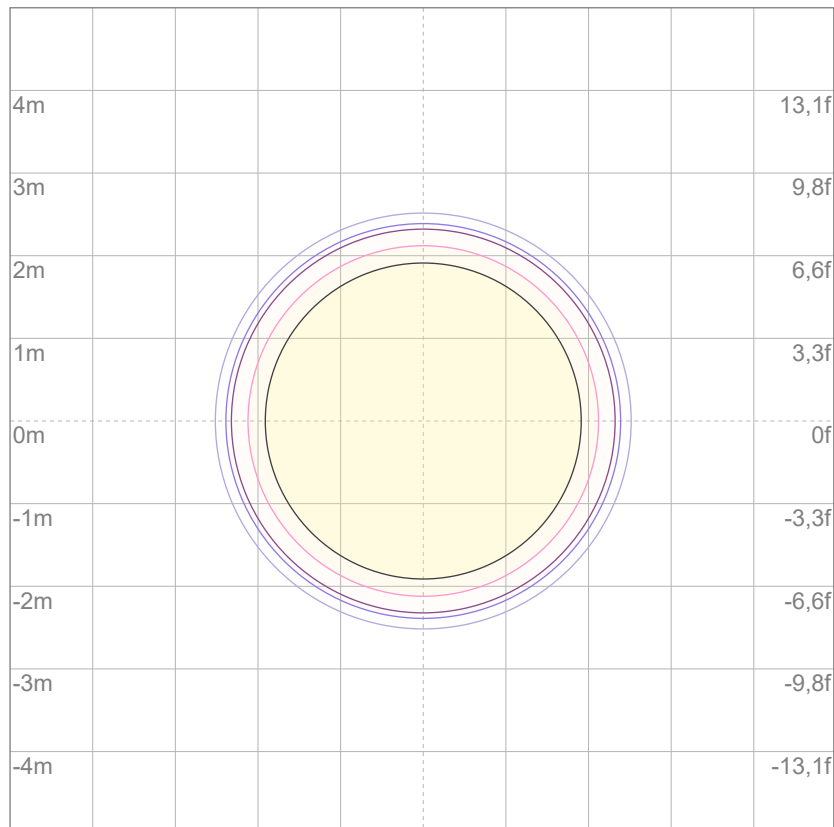
10%	4967 cd
20%	9935 cd
30%	14902 cd
40%	19870 cd
50%	24837 cd
60%	29805 cd
70%	34772 cd
80%	39739 cd

Conditions:

Number of c-planes: 2

Candela at center: 49674 cd

ISO LUX DIAGRAM



3%	14,9 lx
5%	24,8 lx
10%	49,7 lx
30%	149 lx
50%	248 lx

Conditions:

Number of c-planes: 2

Lux at center: 497 lx

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



Total lumen output:

5705 lm

Peak candela output:

19475 cd

Light quality:

CRI: 82,9

Color temperature:

5601 K

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ2550 - Max Zoom

Target:

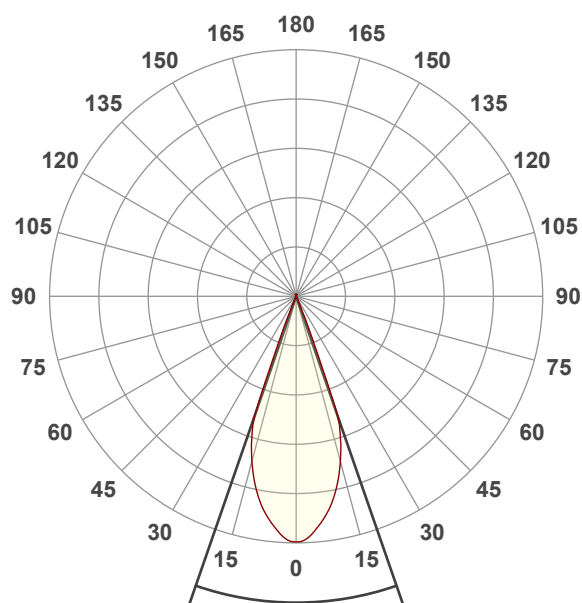
5600K

Operator:

Paolo Carvone

Date and time:

26/10/2022 14:35:38

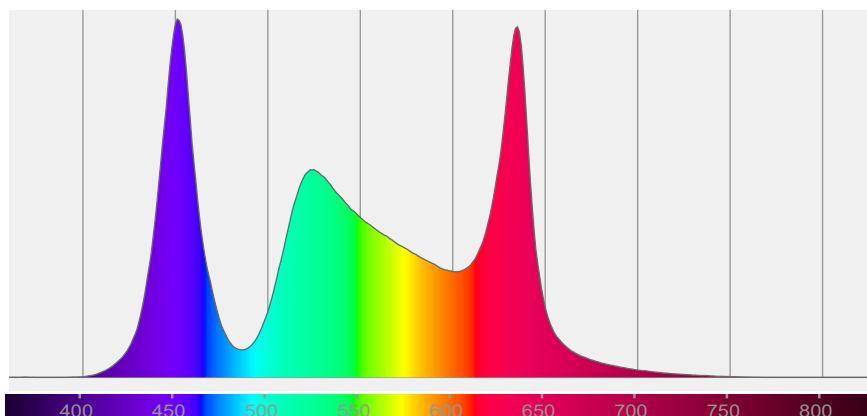


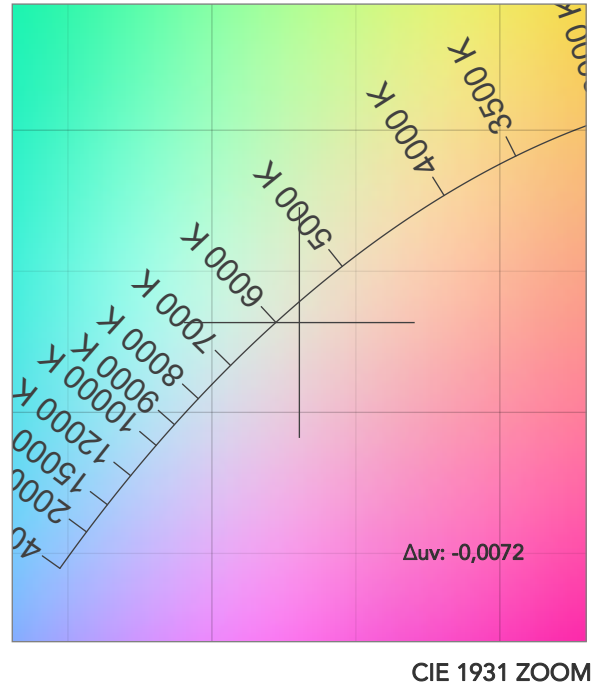
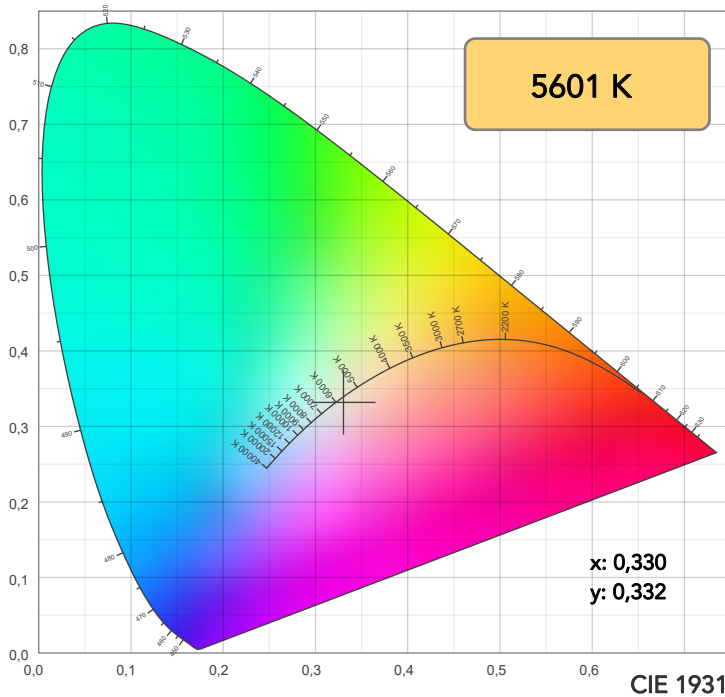
Beam angle 50%: 38,3°

Field angle 10%: 44°

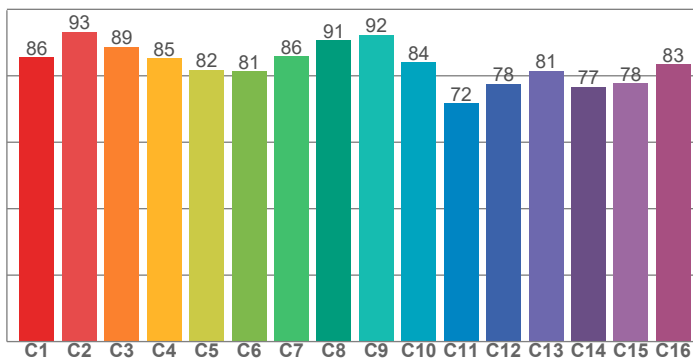
Cut off angle 2.5%: 46°

Spectra

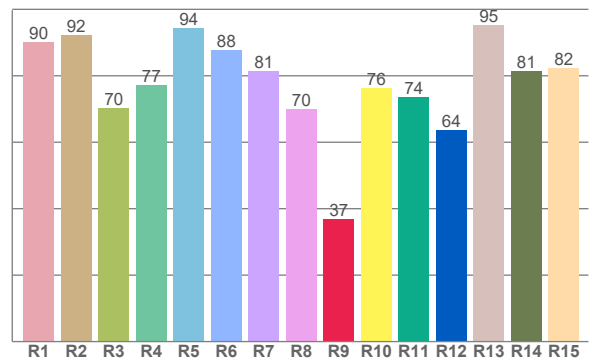




TM30: 83,7



CRI: 82,9 (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
90,0	92,1	70,2	77,2	94,3	87,7	81,4	69,8	36,8	76,3	73,6	63,6	95,2	81,4	82,4

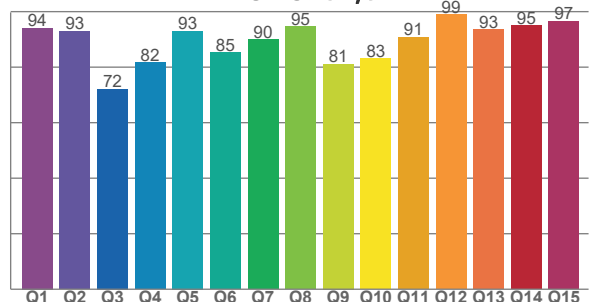
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
85,6	93,3	88,6	85,2	81,7	81,3	85,8	90,7	92,3	84,1	71,6	77,6	81,5	76,7	77,8	83,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,2	92,9	72,1	81,6	93,0	85,3	89,9	94,6	81,1	83,1	90,8	98,9	93,5	95,0	96,5

CQS: 87,3



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
5601 K	82,9	36,8	83,7	111,1	87,3	81	0,330	0,332	-0,0072

TM30 DETAILS

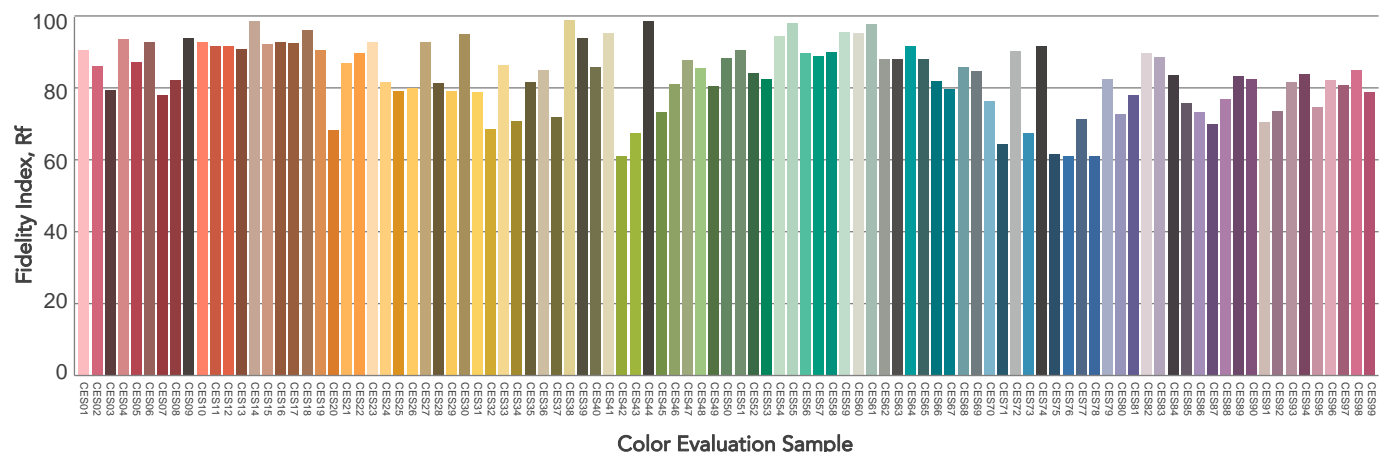
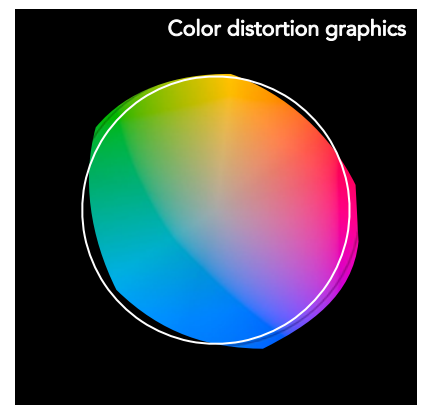
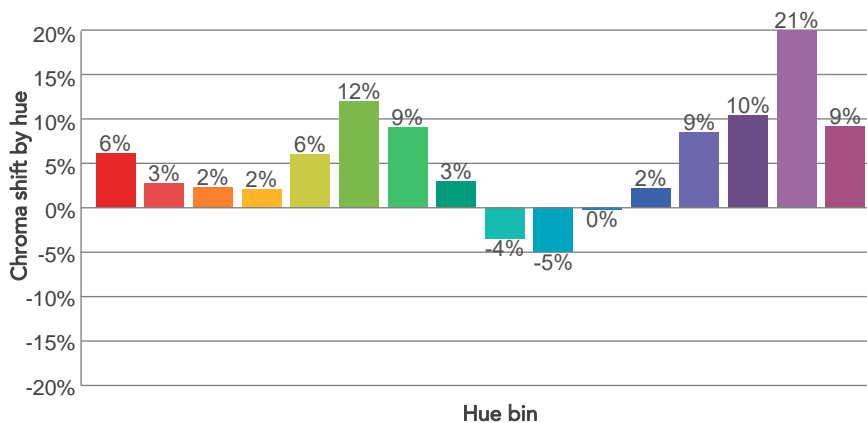
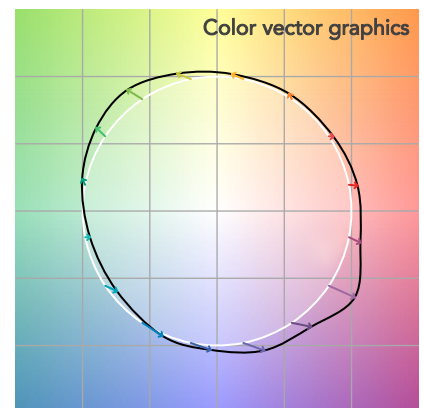
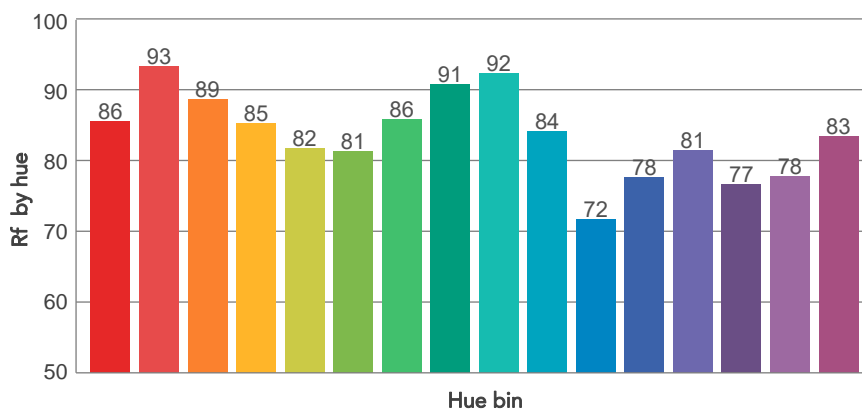
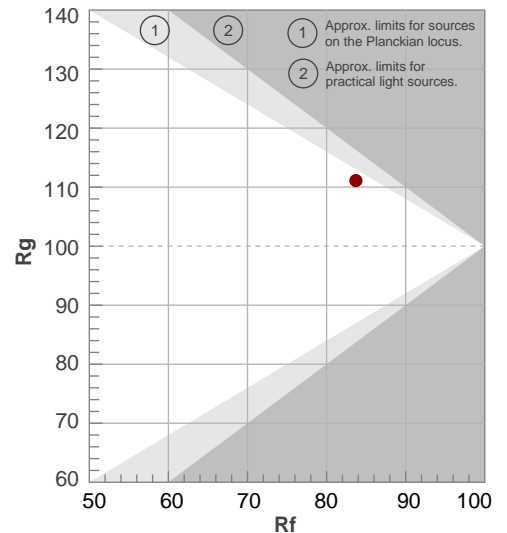
Rf 83,7

Fidelity index Rf

Rg 111,1

Gammut index

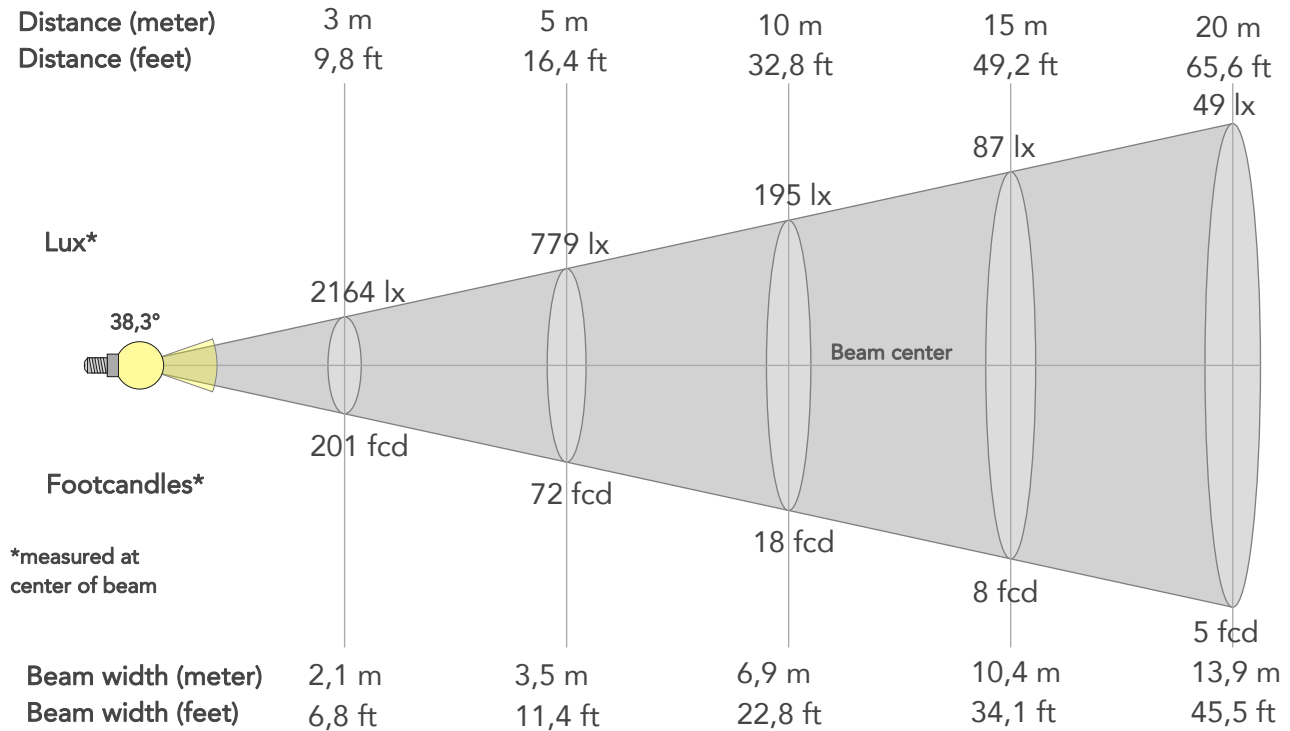
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	86	6%	-2%
2	93	3%	-2%
3	89	2%	4%
4	85	2%	9%
5	82	6%	9%
6	81	12%	5%
7	86	9%	-2%
8	91	3%	-4%
9	92	-4%	1%
10	84	-5%	8%
11	72	0%	18%
12	78	2%	16%
13	81	9%	14%
14	77	10%	10%
15	78	21%	4%
16	83	9%	-2%



BEAM DETAILS



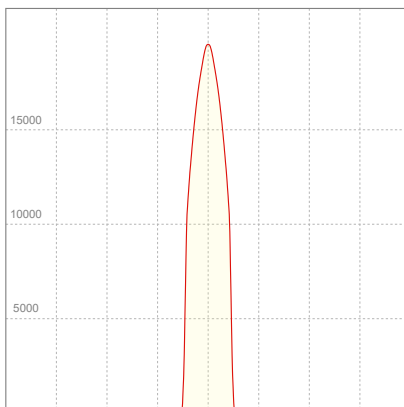
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38,3°	44°	46°	100,0%	100,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	19475lx	4869lx	2164lx	1217lx	779lx	346lx	195lx	87lx	49lx	31lx	22lx	12lx	8lx
Footcand.	1809fcd	452fcd	201fcd	113fcd	72fcd	32fcd	18fcd	8fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,7m	1,4m	2,1m	2,8m	3,5m	5,2m	6,9m	10,4m	13,9m	17,3m	20,8m	27,7m	34,7m
Beam wid.	2,3ft	4,6ft	6,8ft	9,1ft	11,4ft	17,1ft	22,8ft	34,1ft	45,5ft	56,9ft	68,3ft	91ft	113,8ft

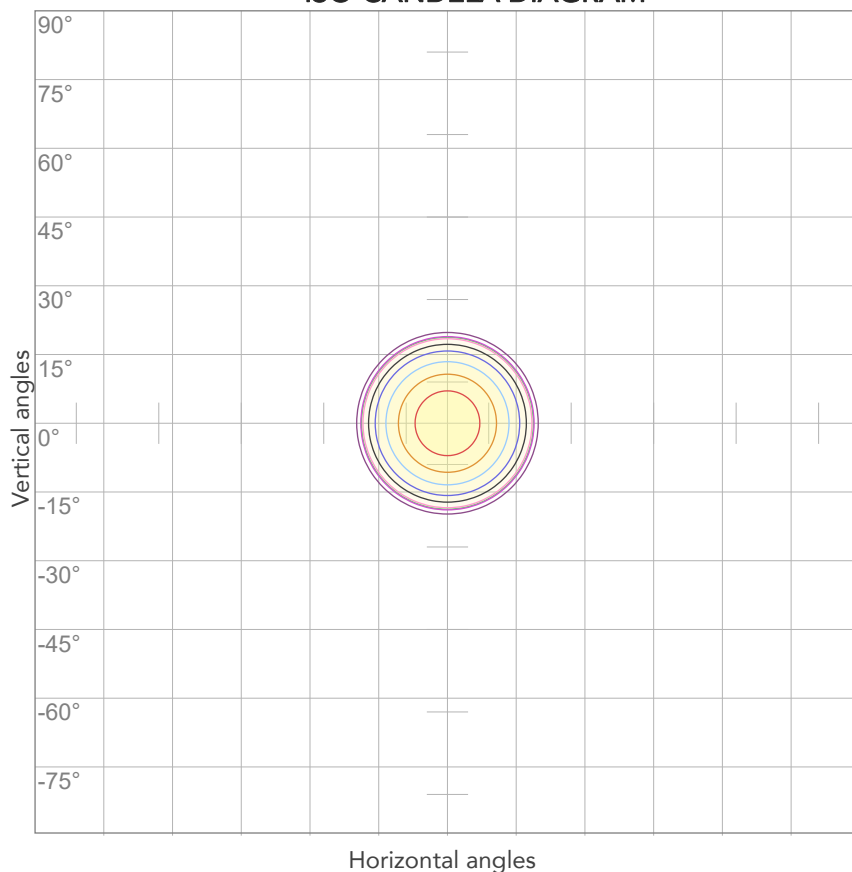
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,733A	156,4W	36lm/W

ISO CANDELA DIAGRAM



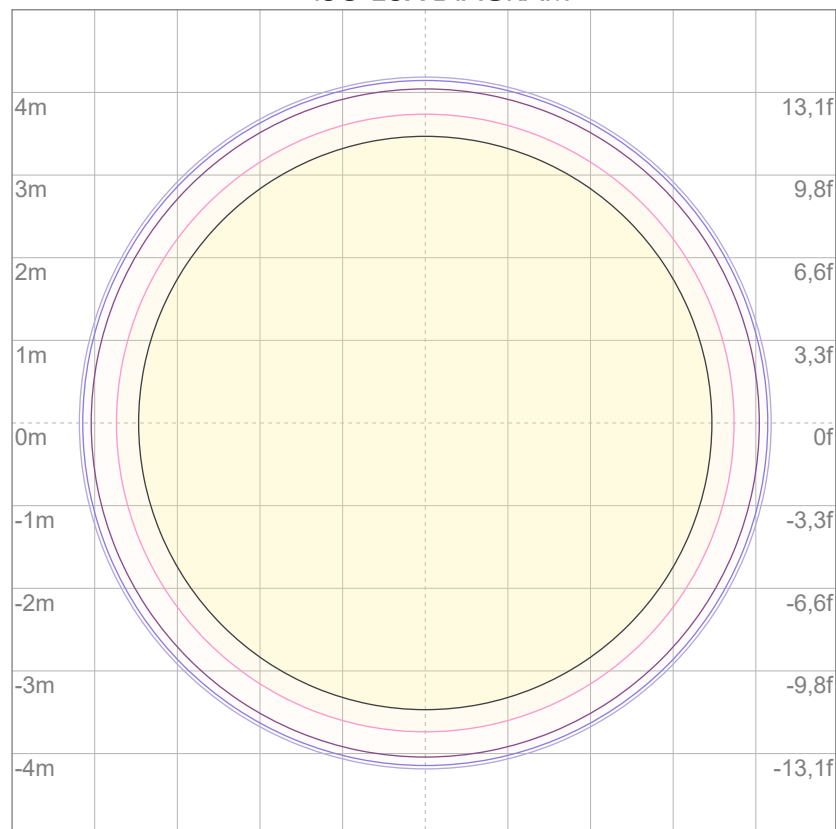
10%	1948 cd
20%	3895 cd
30%	5843 cd
40%	7790 cd
50%	9738 cd
60%	11685 cd
70%	13633 cd
80%	15580 cd

Conditions:

Number of c-planes: 2

Candela at center: 19475 cd

ISO LUX DIAGRAM



3%	5,84 lx
5%	9,74 lx
10%	19,5 lx
30%	58,4 lx
50%	97,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 195 lx

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



Total lumen output:

5314 lm

Peak candela output:

53217 cd

Light quality:

CRI: 82,2

Color temperature:

5654 K

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ2550 - Min Zoom

Target:

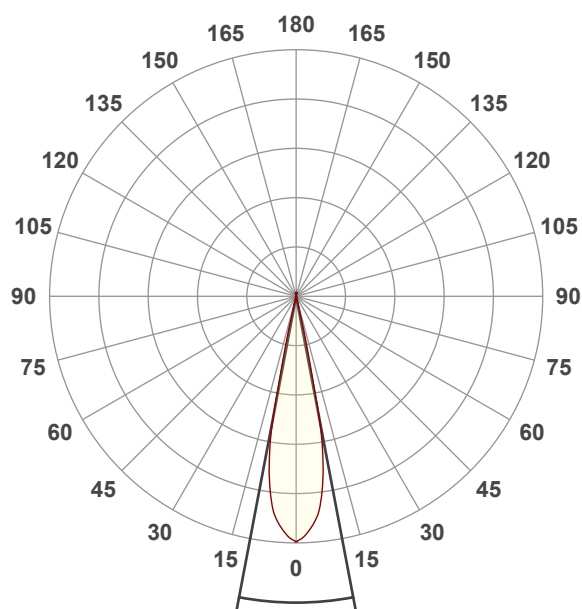
5600K

Operator:

Paolo Carvone

Date and time:

26/10/2022 13:32:28

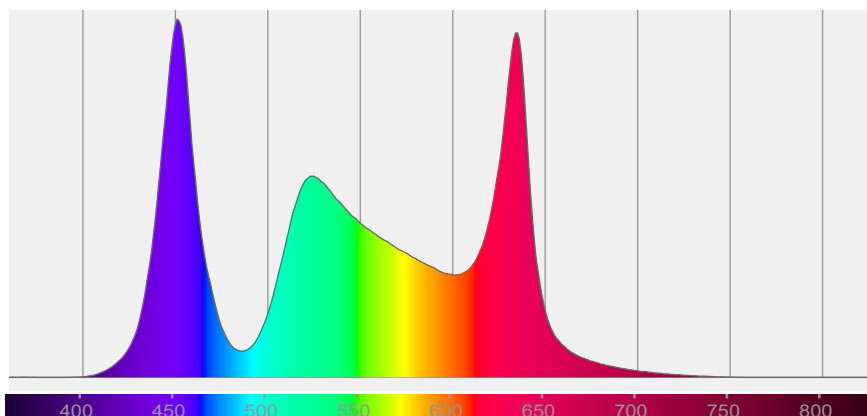


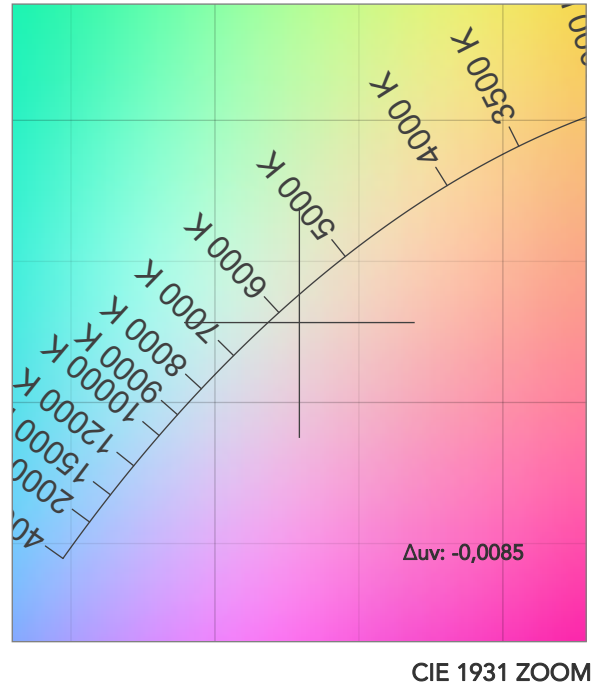
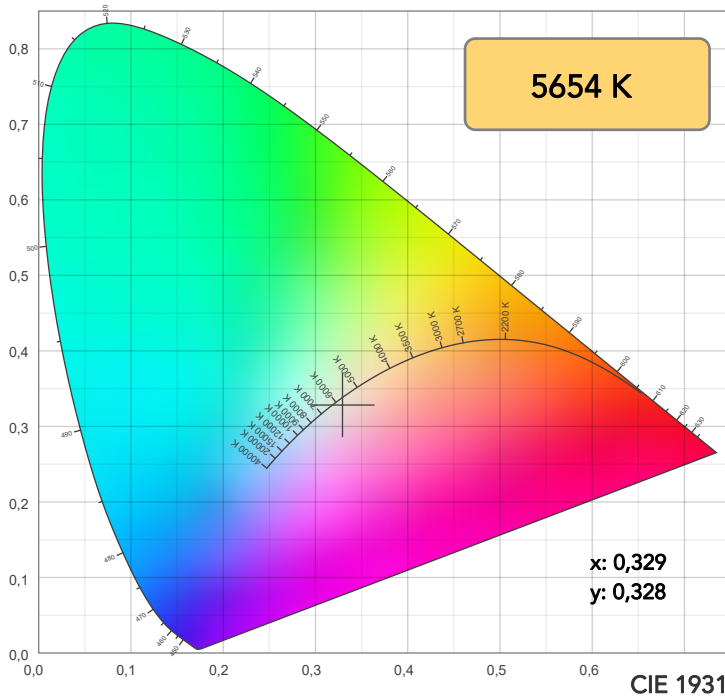
Beam angle 50%: 21,5°

Field angle 10%: 25,7°

Cut off angle 2.5%: 26,8°

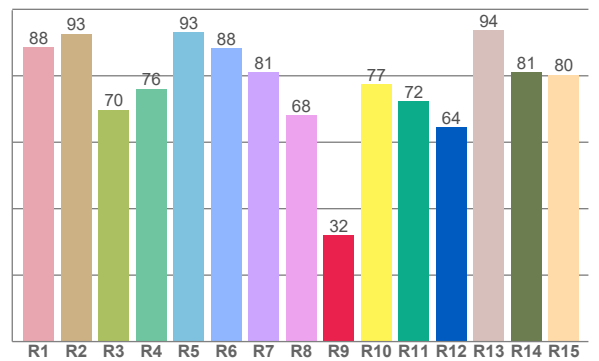
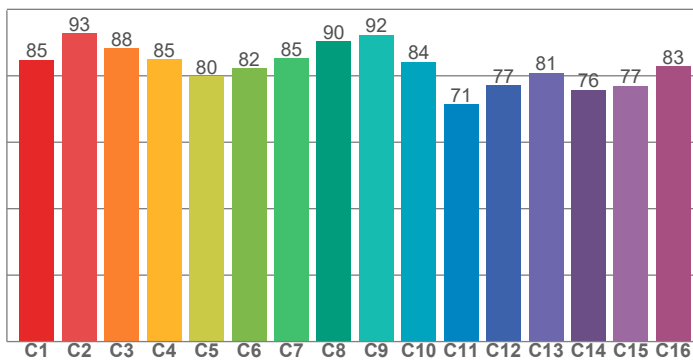
Spectra





TM30: 83,3

CRI: 82,2 (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
88,5	92,6	69,8	76,1	93,1	88,3	81,1	68,1	31,9	77,5	72,3	64,5	93,8	81,0	80,3

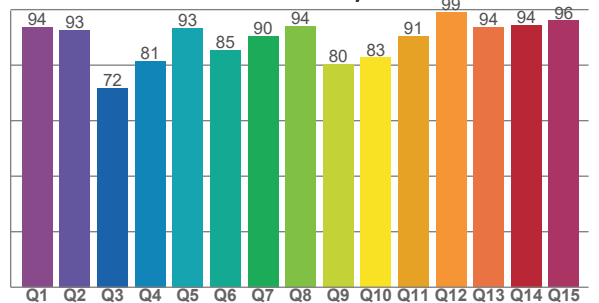
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
84,9	92,8	88,3	85,0	79,9	82,2	85,3	90,4	92,3	84,2	71,3	77,1	80,9	75,7	77,0	82,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,7	92,6	71,7	81,5	93,4	85,4	90,5	94,0	80,4	82,8	90,6	99,1	93,6	94,5	96,0

CQS: 87,1



COLOR PARAMETERS

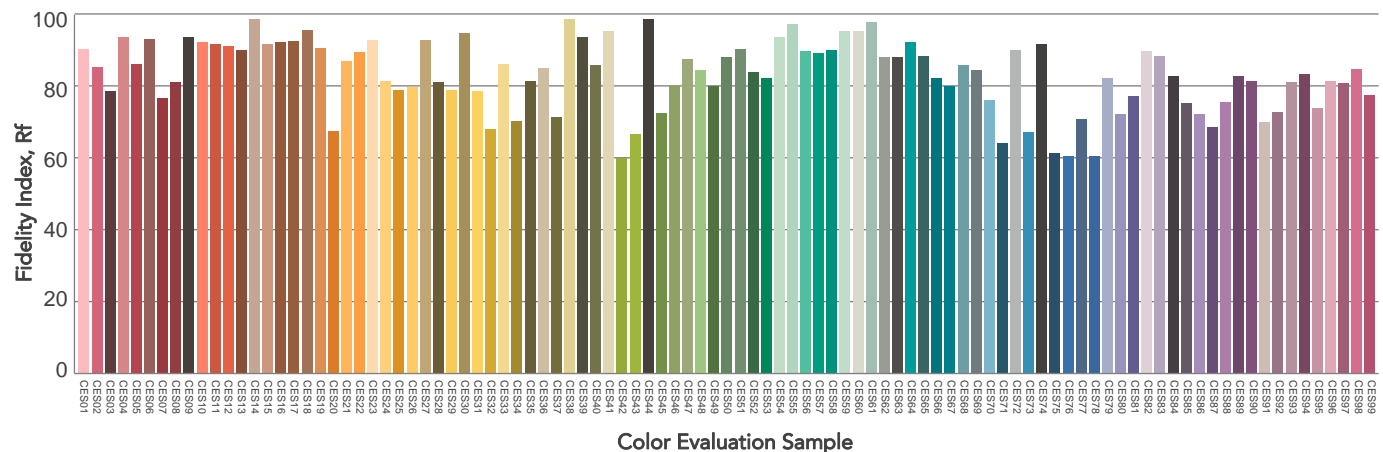
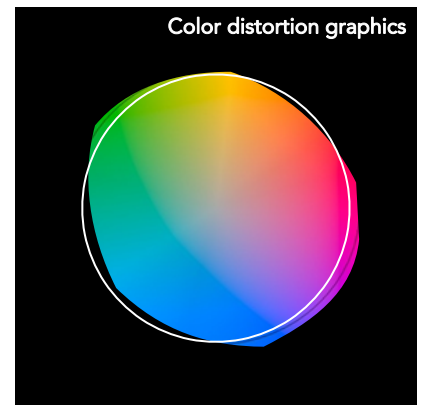
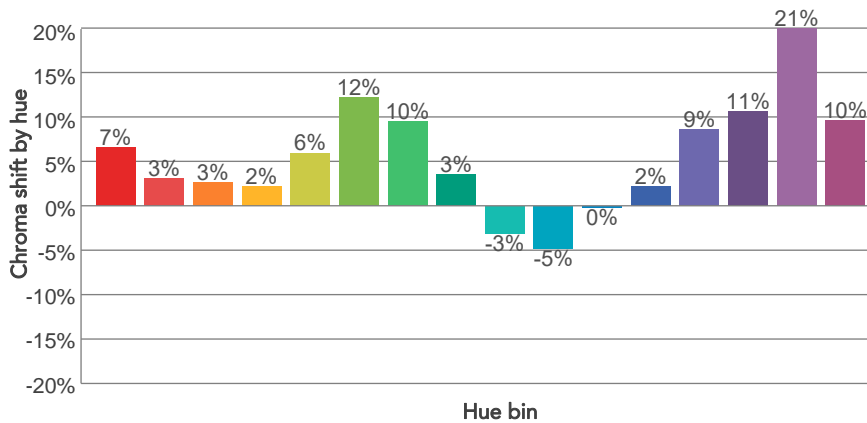
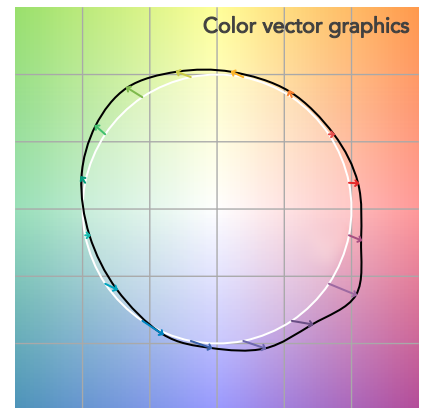
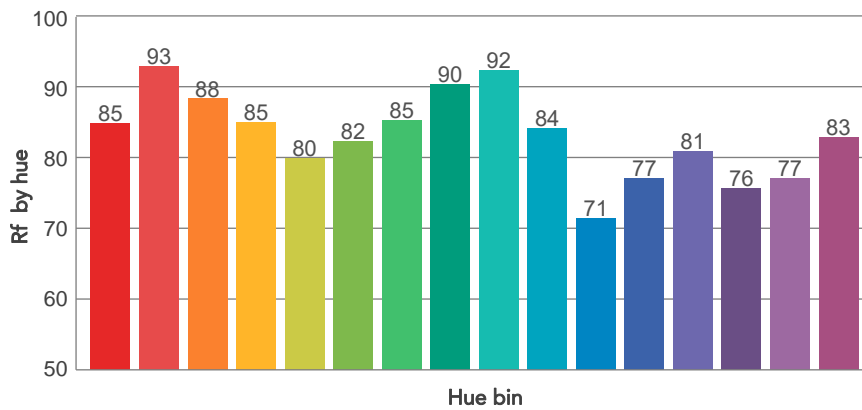
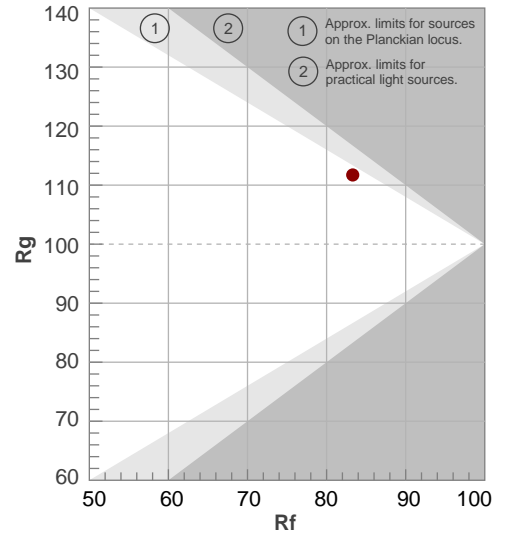
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5654 K	82,2	31,9	83,3	111,7	87,1	80	0,329	0,328	-0,0085

TM30 DETAILS

Rf 83,3
Fidelity index Rf

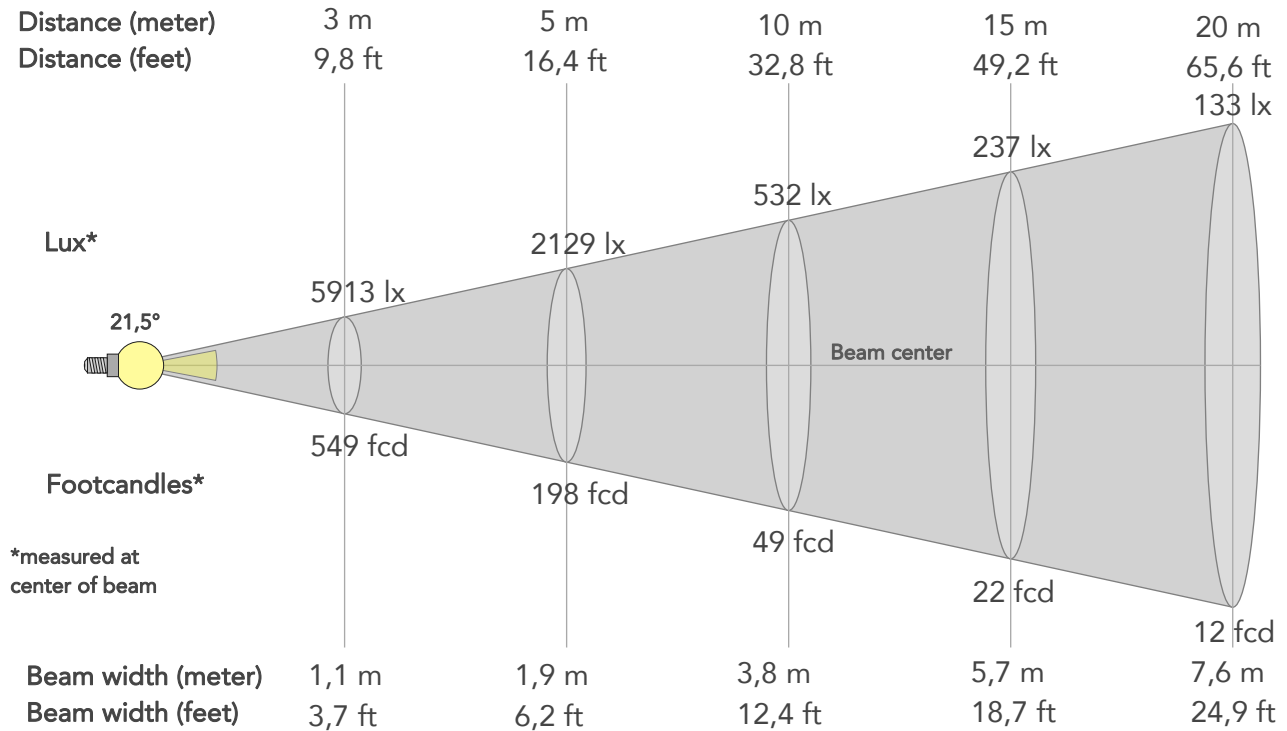
Rg 111,7
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	85	7%	-2%
2	93	3%	-2%
3	88	3%	4%
4	85	2%	9%
5	80	6%	9%
6	82	12%	6%
7	85	10%	-1%
8	90	3%	-3%
9	92	-3%	1%
10	84	-5%	8%
11	71	0%	18%
12	77	2%	16%
13	81	9%	15%
14	76	11%	11%
15	77	21%	4%
16	83	10%	-2%



BEAM DETAILS

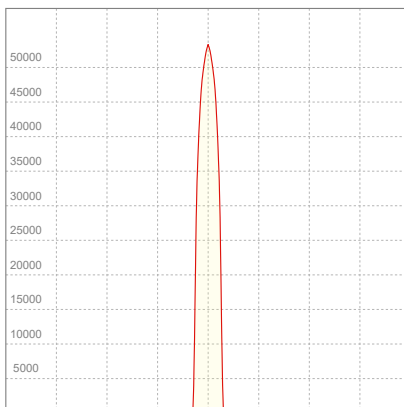
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,5°	25,7°	26,8°	100,0%	100,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	53217lx	13304lx	5913lx	3326lx	2129lx	946lx	532lx	237lx	133lx	85lx	59lx	33lx	21lx
Footcand.	4944fcd	1236fcd	549fcd	309fcd	198fcd	88fcd	49fcd	22fcd	12fcd	8fcd	5fcd	3fcd	2fcd
Beam wid.	0,4m	0,8m	1,1m	1,5m	1,9m	2,8m	3,8m	5,7m	7,6m	9,5m	11,4m	15,2m	19m
Beam wid.	1,3ft	2,5ft	3,7ft	5ft	6,2ft	9,3ft	12,4ft	18,7ft	24,9ft	31,1ft	37,3ft	49,8ft	62,2ft

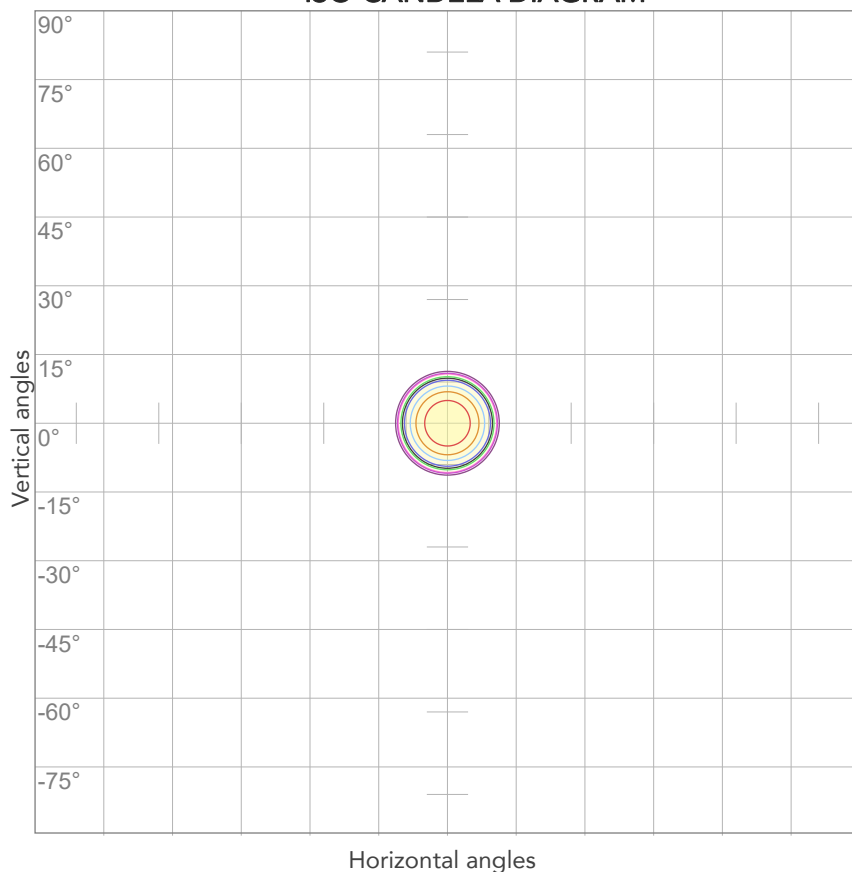
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,729A	155,7W	34lm/W

ISO CANDELA DIAGRAM



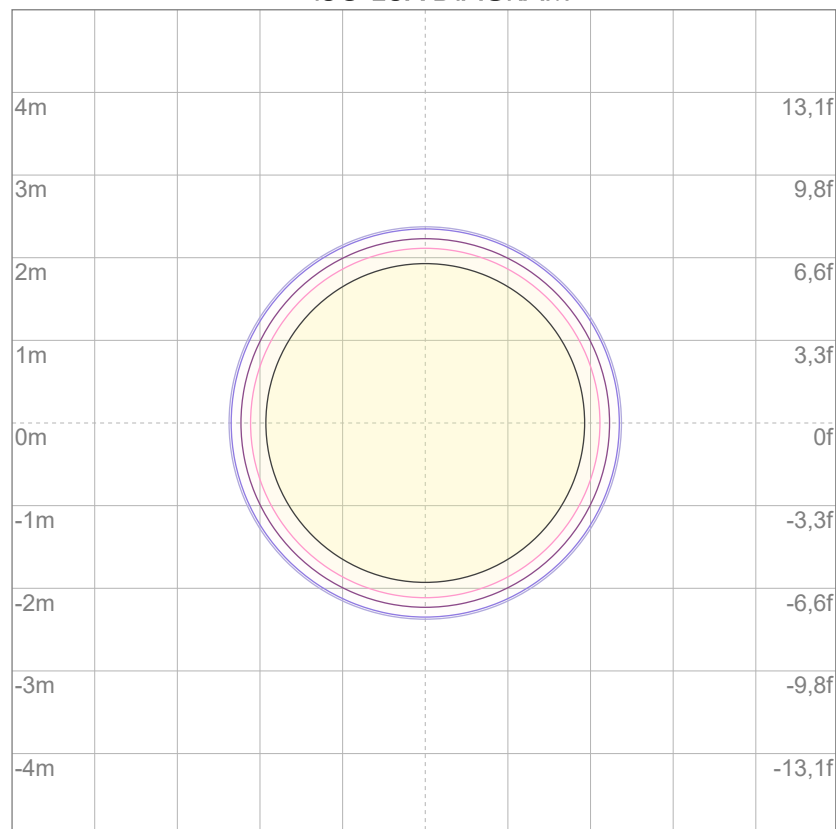
10%	5322 cd
20%	10643 cd
30%	15965 cd
40%	21287 cd
50%	26608 cd
60%	31930 cd
70%	37252 cd
80%	42573 cd

Conditions:

Number of c-planes: 2

Candela at center: 53217 cd

ISO LUX DIAGRAM



3%	16,0 lx
5%	26,6 lx
10%	53,2 lx
30%	160 lx
50%	266 lx

Conditions:

Number of c-planes: 2

Lux at center: 532 lx

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



Total lumen output:

5757 lm

Peak candela output:

19777 cd

Light quality:

CRI: 82,1

Color temperature:

5861 K

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ2550 - Max Zoom

Target:

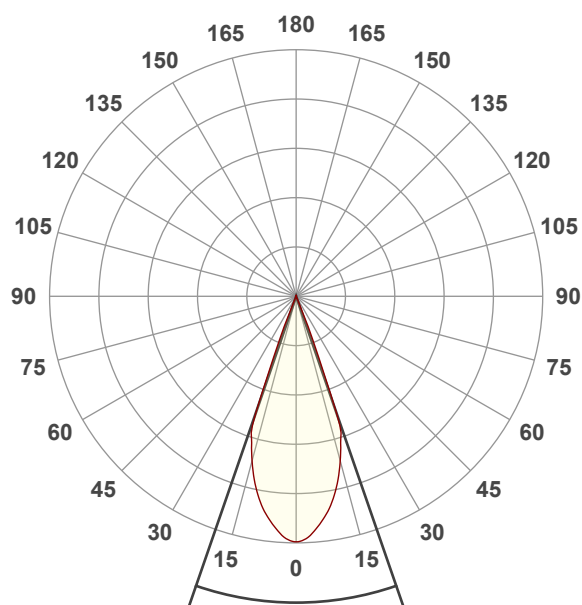
6000K

Operator:

Paolo Carvone

Date and time:

26/10/2022 14:33:44

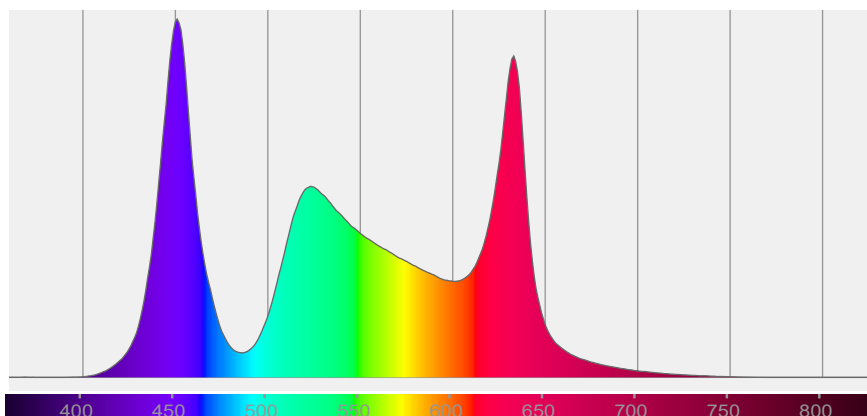


Beam angle 50%: 38,1°

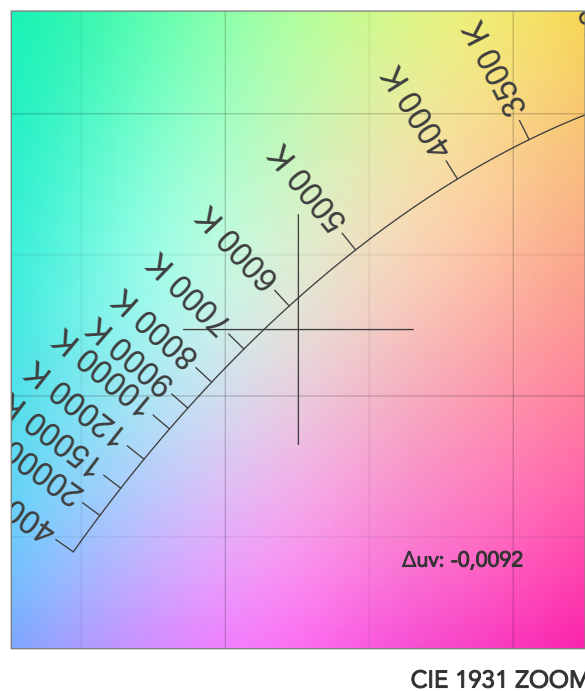
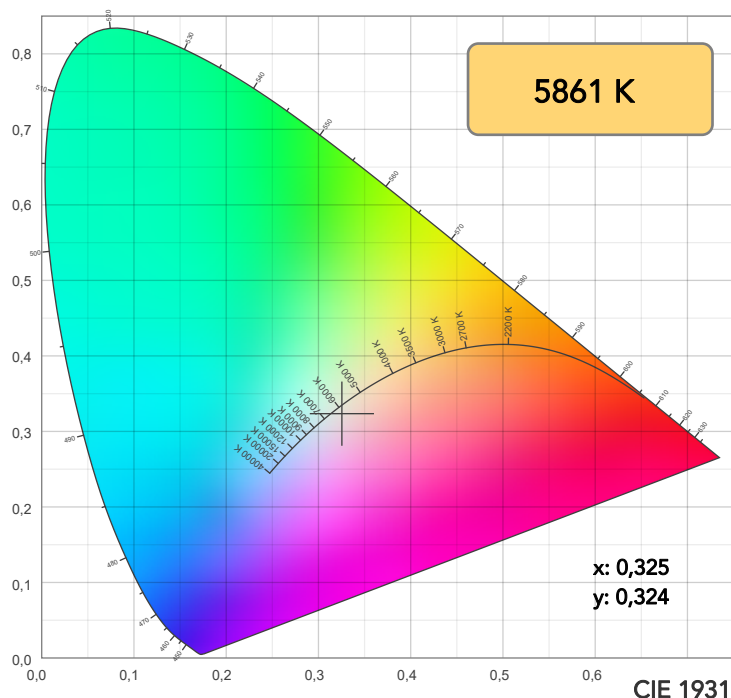
Field angle 10%: 43,9°

Cut off angle 2.5%: 45,6°

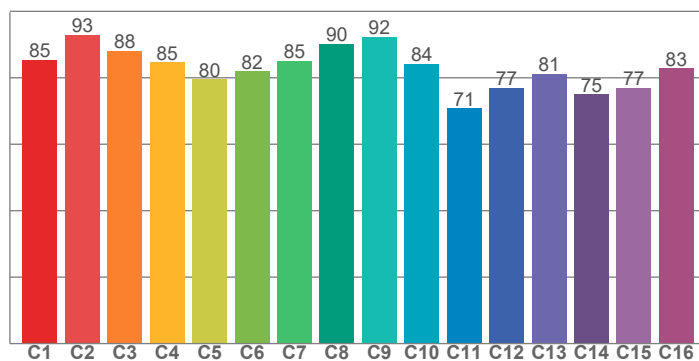
Spectra



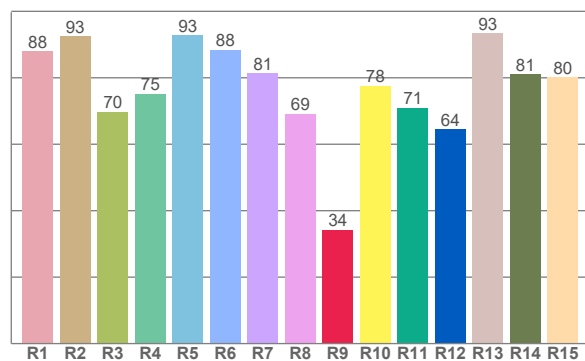
COLOR DETAILS



TM30: 83,1



CRI: 82,1 (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
87,9	92,6	69,8	75,2	92,7	88,4	81,3	69,2	34,2	77,6	71,0	64,5	93,3	81,0	80,1

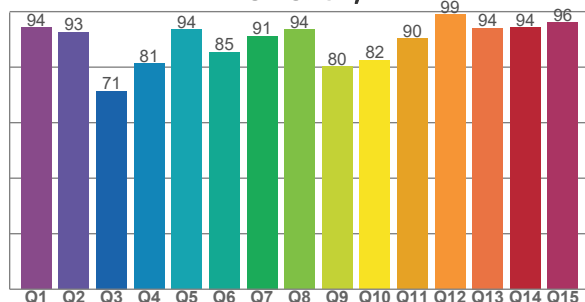
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
85,4	92,8	88,0	84,7	79,6	82,0	85,1	90,2	92,2	84,1	70,8	77,0	81,1	75,0	77,0	82,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,3	92,5	71,4	81,4	93,5	85,4	91,2	93,5	80,2	82,4	90,3	98,9	94,1	94,3	96,0

CQS: 87,1



COLOR PARAMETERS

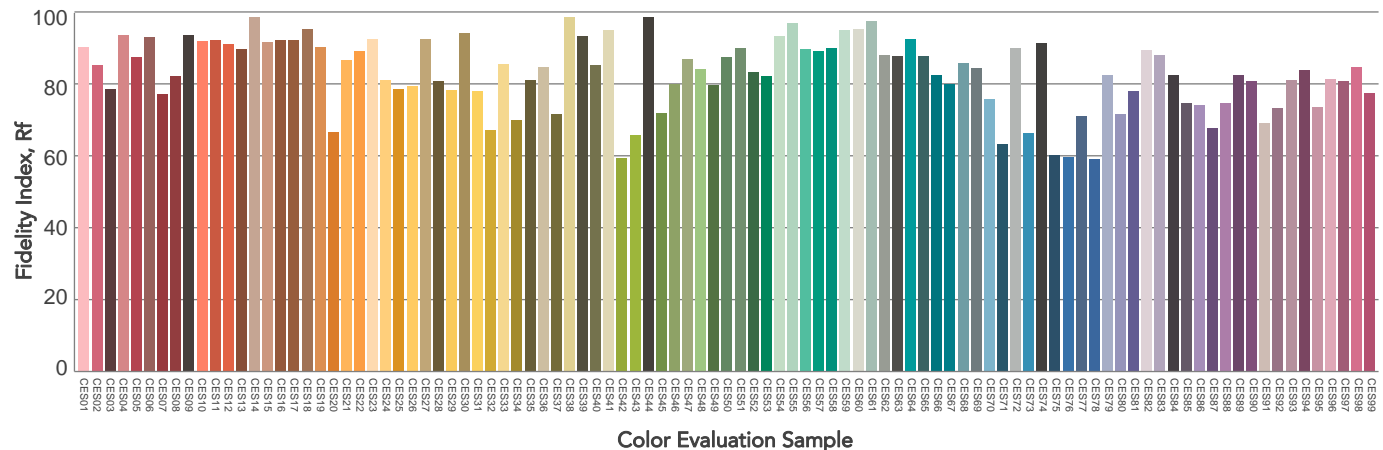
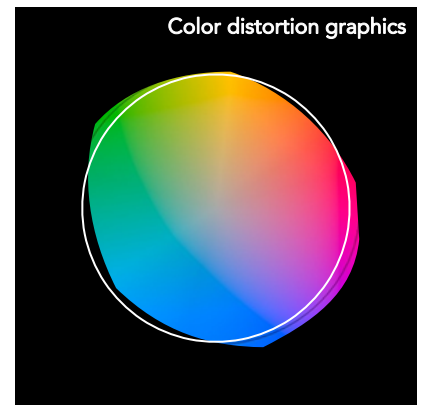
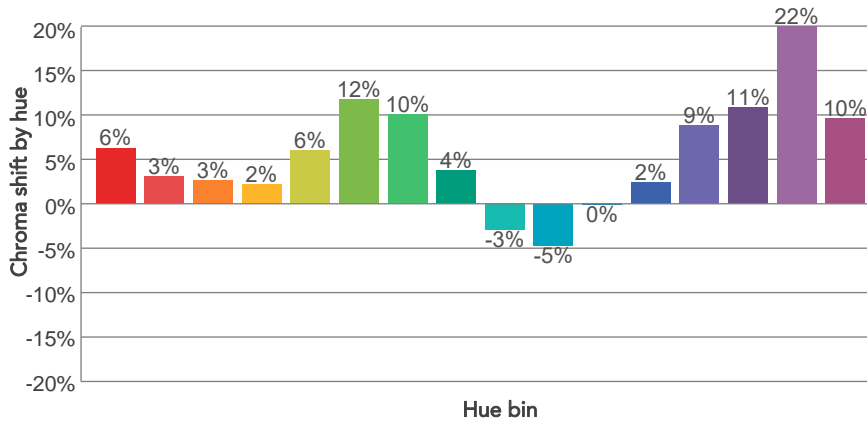
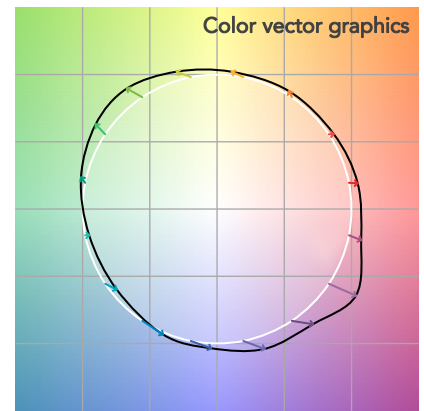
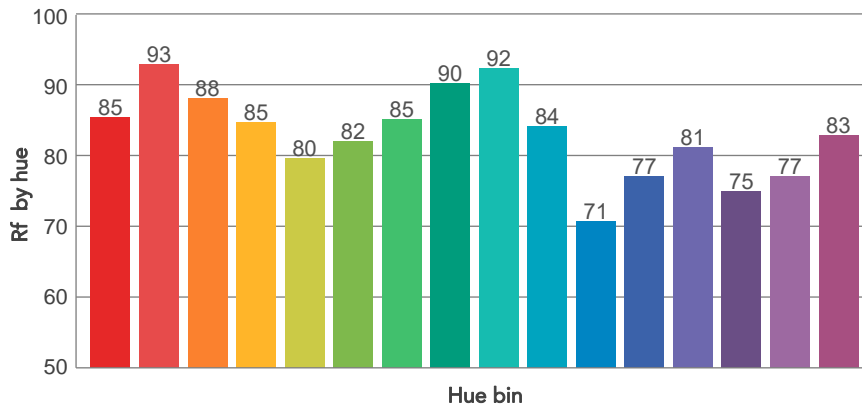
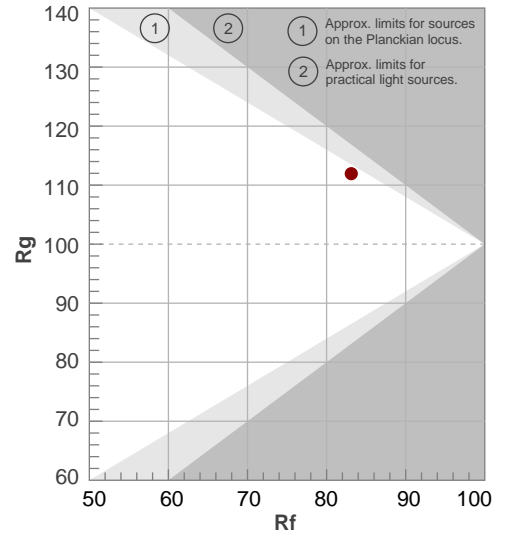
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5861 K	82,1	34,2	83,1	111,9	87,1	80	0,325	0,324	-0,0092

TM30 DETAILS

Rf 83,1
Fidelity index Rf

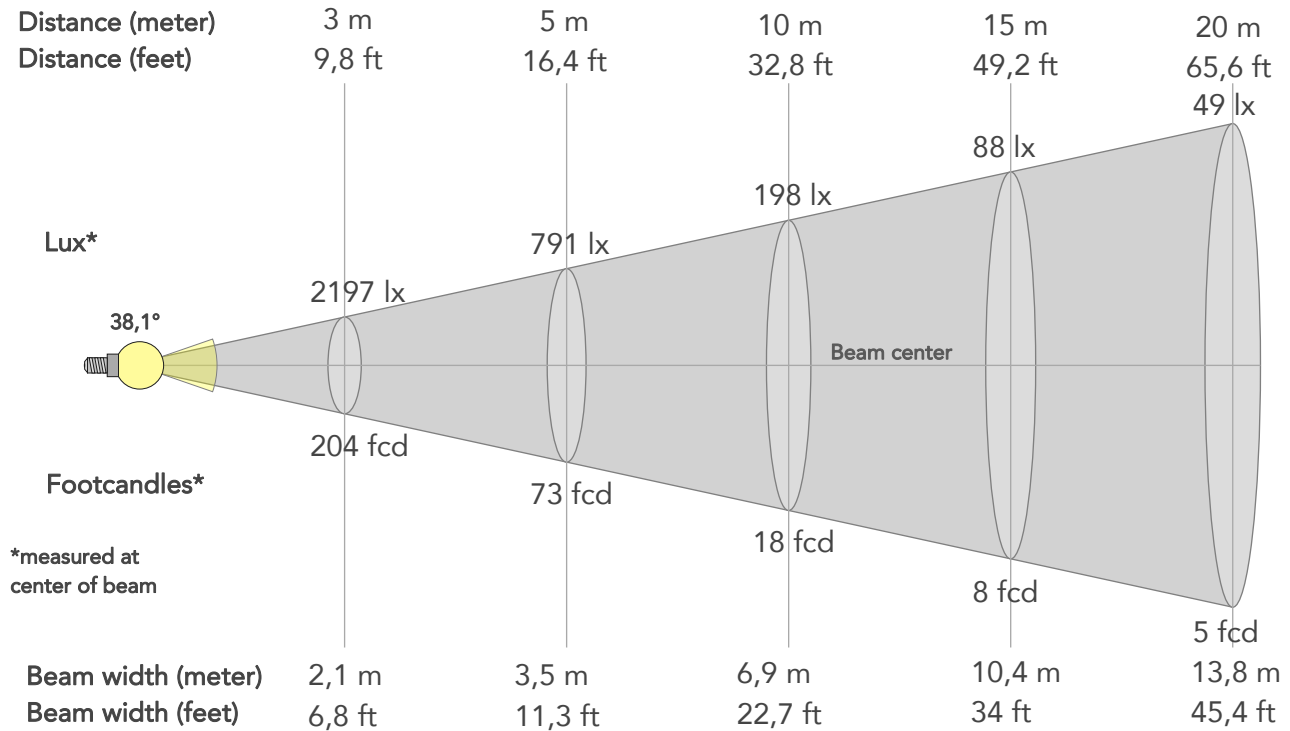
Rg 111,9
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	85	6%	-2%
2	93	3%	-2%
3	88	3%	4%
4	85	2%	9%
5	80	6%	9%
6	82	12%	6%
7	85	10%	-2%
8	90	4%	-3%
9	92	-3%	1%
10	84	-5%	8%
11	71	0%	18%
12	77	2%	16%
13	81	9%	14%
14	75	11%	12%
15	77	22%	4%
16	83	10%	-2%



BEAM DETAILS

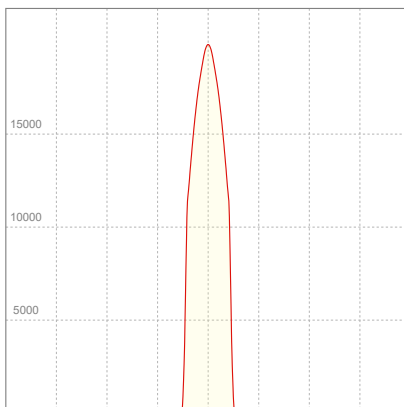
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38,1°	43,9°	45,6°	100,0%	100,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	19777lx	4944lx	2197lx	1236lx	791lx	352lx	198lx	88lx	49lx	32lx	22lx	12lx	8lx
Footcand.	1837fcd	459fcd	204fcd	115fcd	73fcd	33fcd	18fcd	8fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,7m	1,4m	2,1m	2,8m	3,5m	5,2m	6,9m	10,4m	13,8m	17,3m	20,7m	27,7m	34,6m
Beam wid.	2,3ft	4,6ft	6,8ft	9,1ft	11,3ft	17ft	22,7ft	34ft	45,4ft	56,7ft	68ft	90,7ft	113,4ft

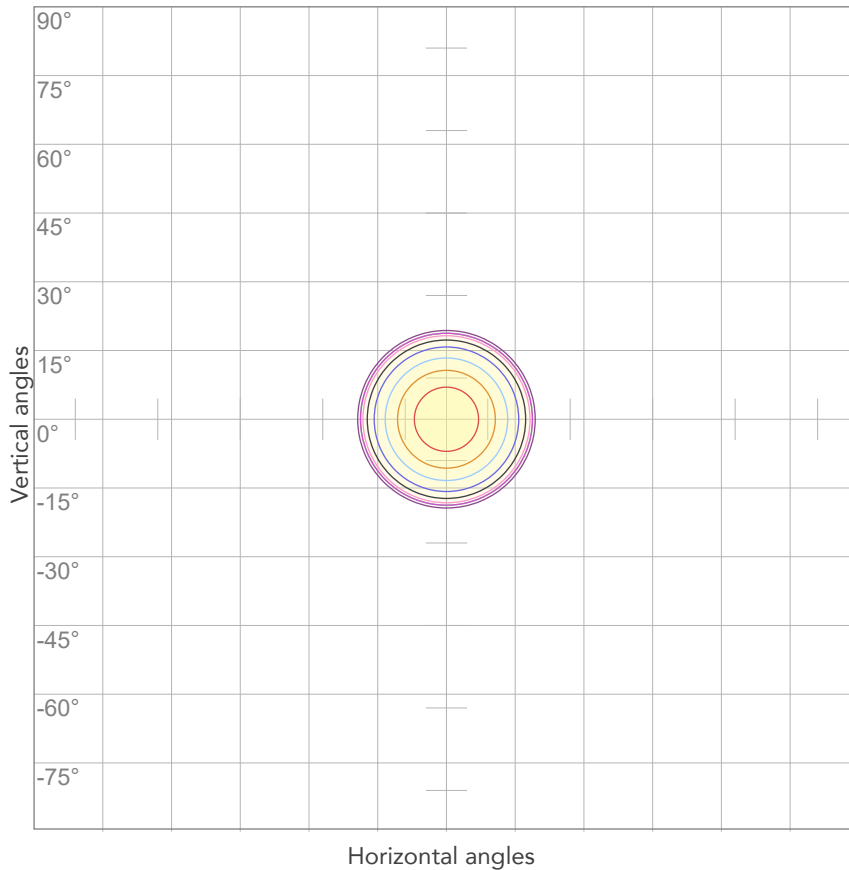
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,736A	156,6W	37lm/W

ISO CANDELA DIAGRAM



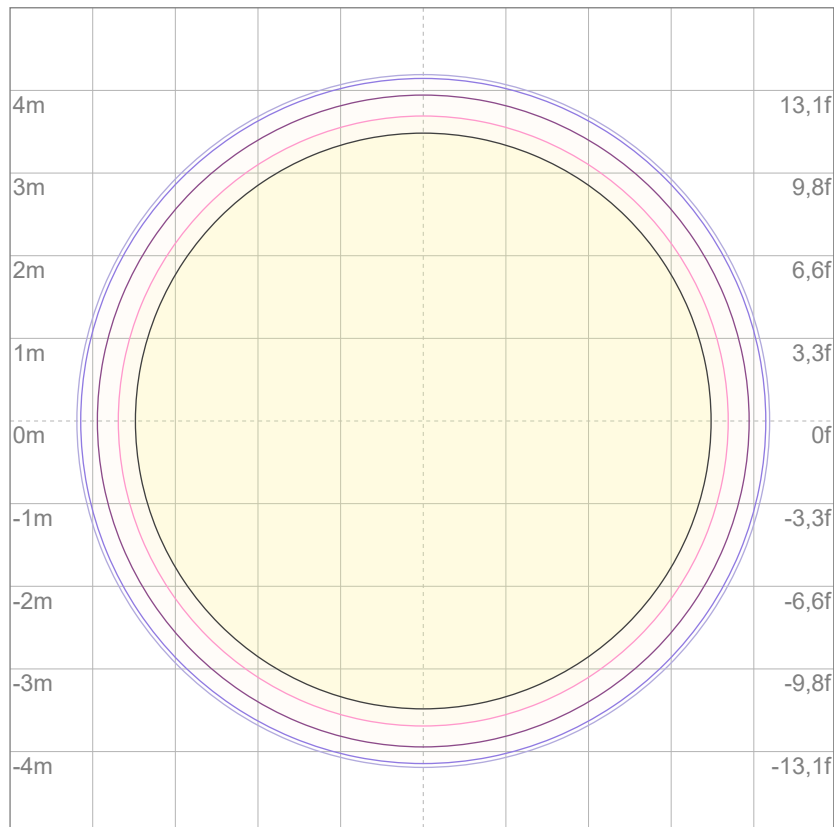
10%	1978 cd
20%	3955 cd
30%	5933 cd
40%	7911 cd
50%	9888 cd
60%	11866 cd
70%	13844 cd
80%	15822 cd

Conditions:

Number of c-planes: 2

Candela at center: 19777 cd

ISO LUX DIAGRAM



3%	5,93 lx
5%	9,89 lx
10%	19,8 lx
30%	59,3 lx
50%	98,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 198 lx

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



Total lumen output:

5178 lm

Peak candela output:

51720 cd

Light quality:

CRI: 82,6

Color temperature:

6001 K

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ2550 - Min Zoom

Target:

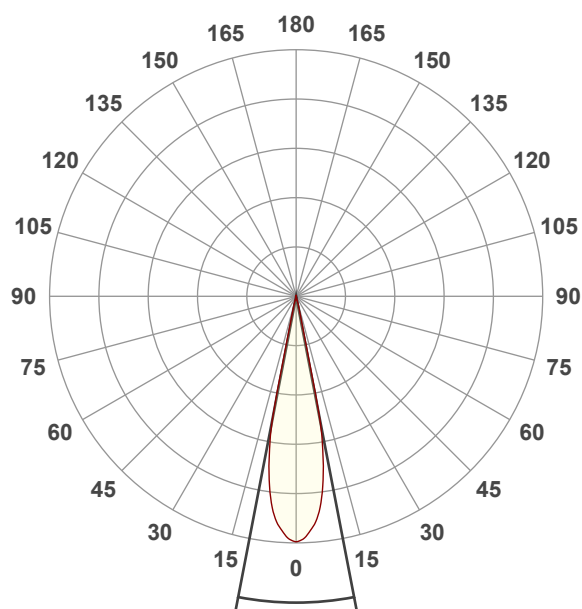
6000K

Operator:

Paolo Carvone

Date and time:

26/10/2022 13:34:21

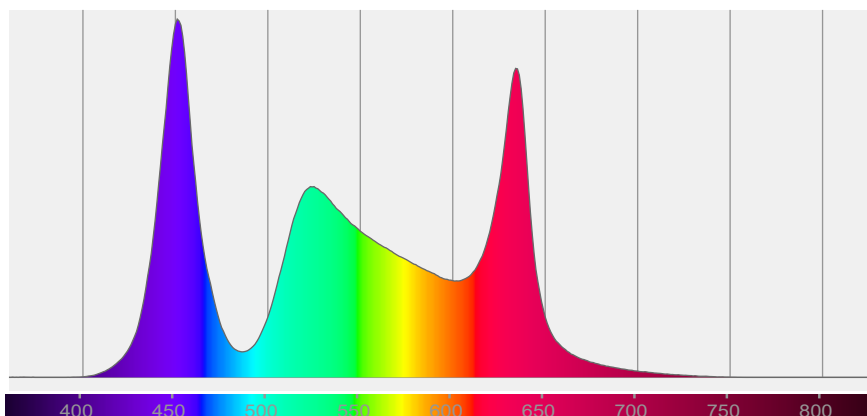


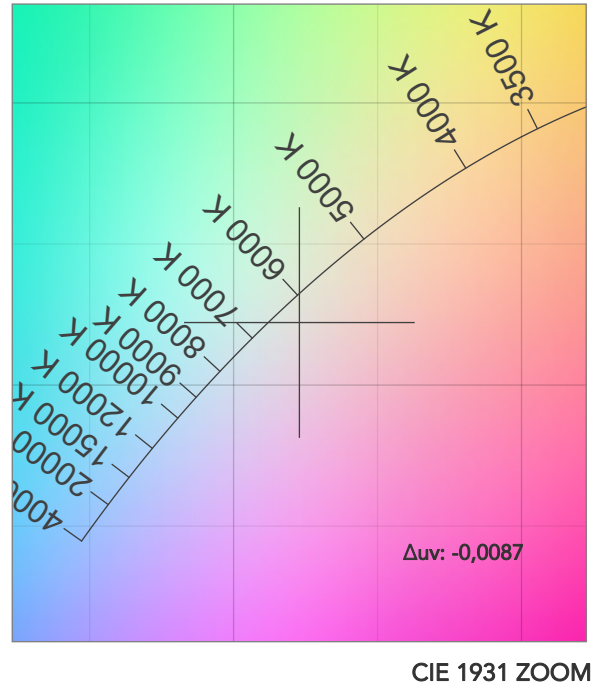
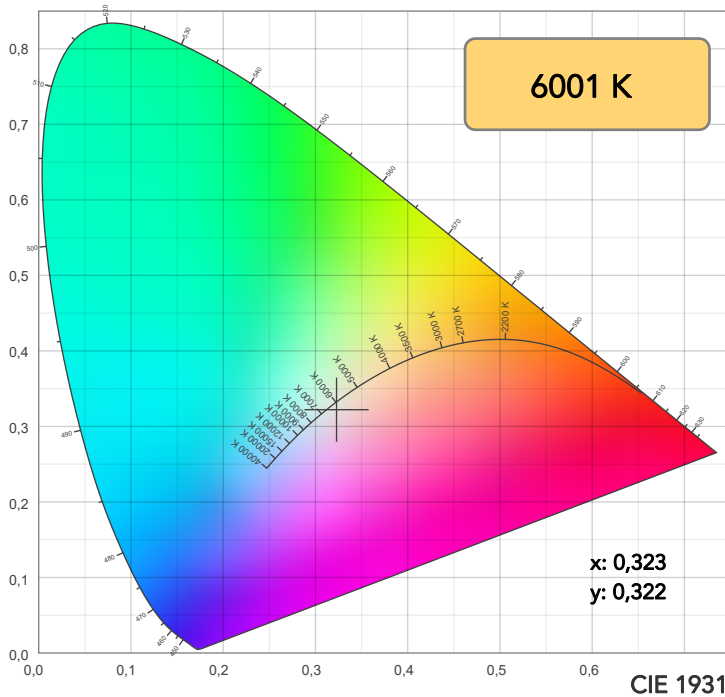
Beam angle 50%: 21,8°

Field angle 10%: 24,8°

Cut off angle 2.5%: 27,1°

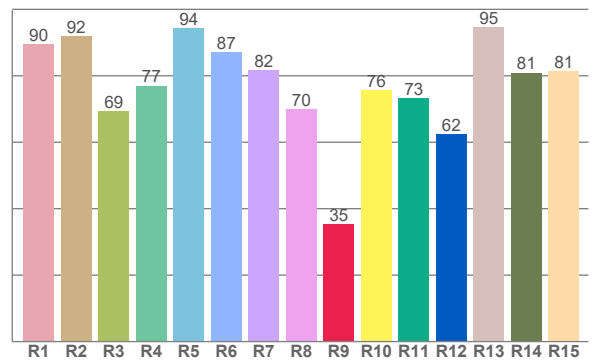
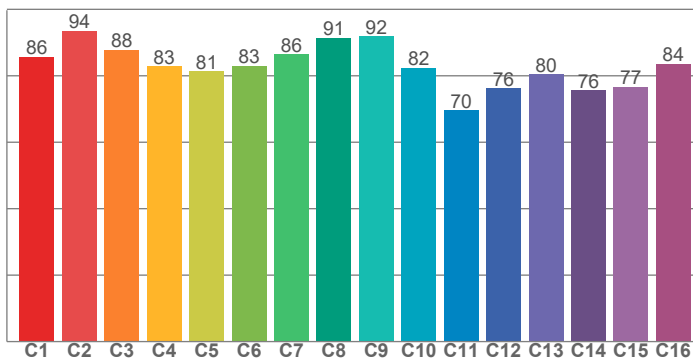
Spectra





TM30: 83,1

CRI: 82,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
89,6	92,0	69,4	77,0	94,4	87,1	81,6	70,0	35,3	75,7	73,3	62,3	94,7	80,9	81,4

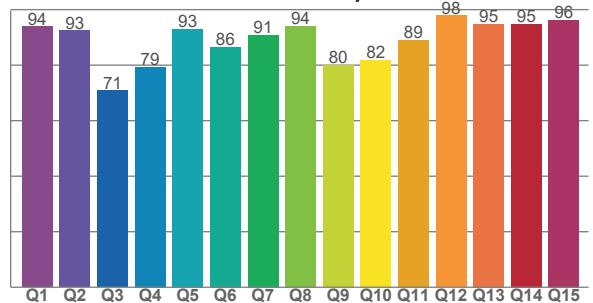
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
85,6	93,5	87,8	82,8	81,3	83,0	86,4	91,4	91,8	82,3	69,5	76,1	80,4	75,6	76,6	83,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,9	92,5	70,8	79,4	93,0	86,5	90,9	94,1	80,1	81,9	89,1	97,9	94,8	94,8	96,2

CQS: 86,7



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6001 K	82,6	35,3	83,1	111,2	86,7	81	0,323	0,322	-0,0087

TM30 DETAILS

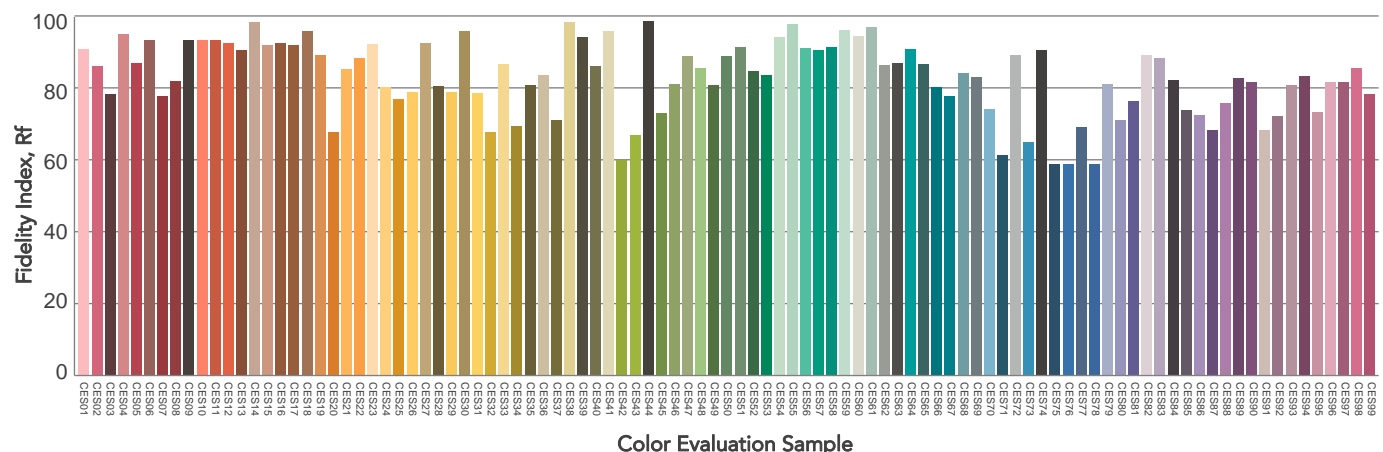
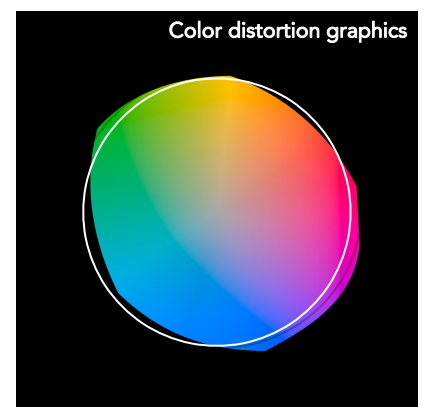
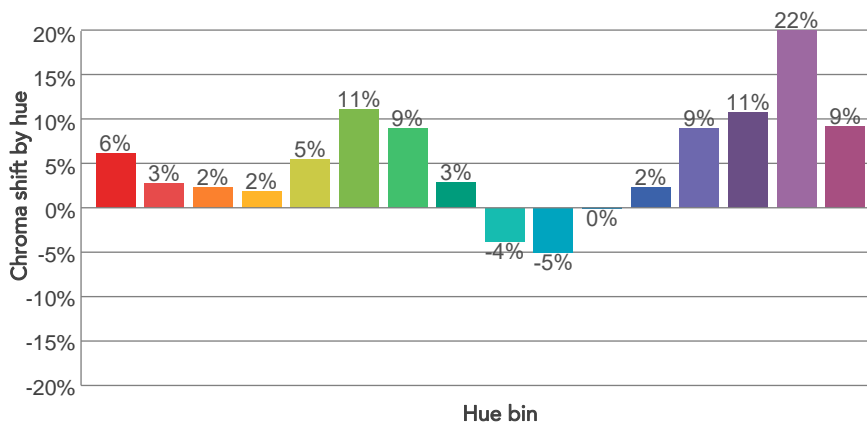
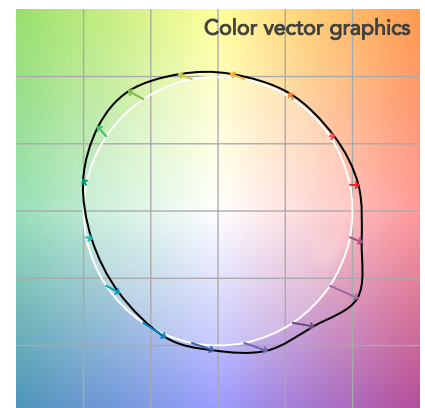
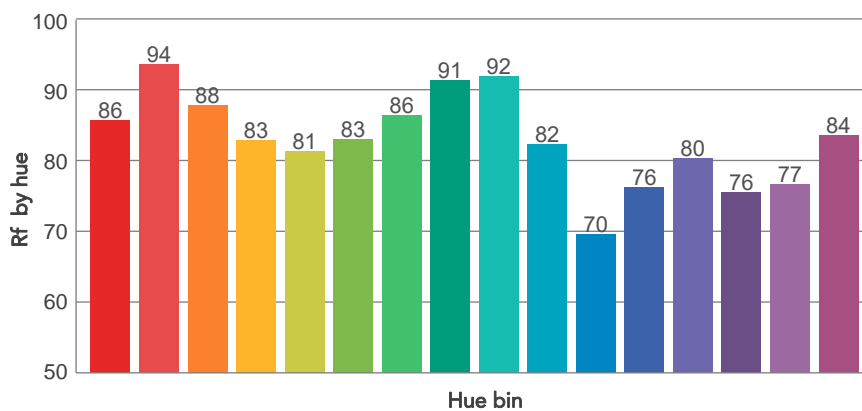
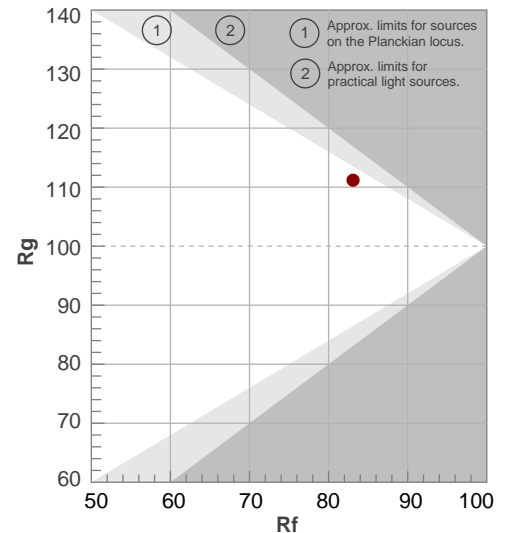
Rf 83,1

Fidelity index Rf

Rg 111,2

Gammut index

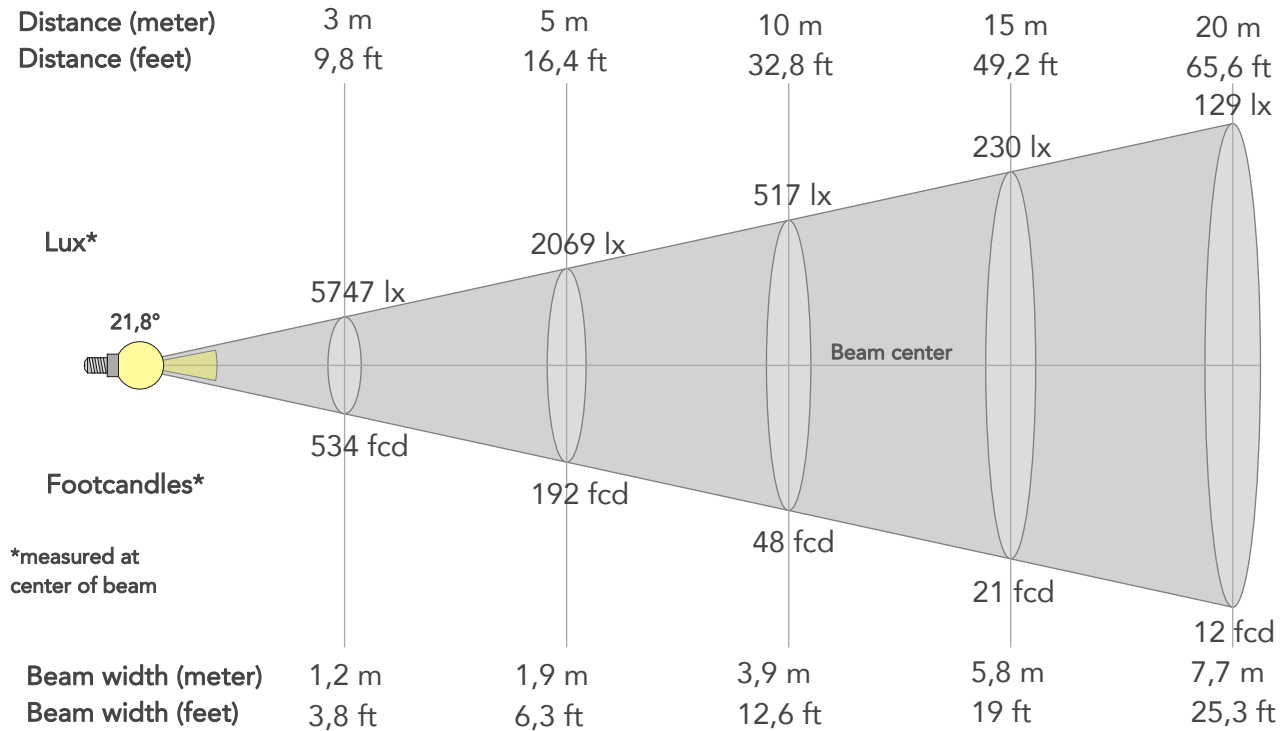
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	86	6%	-2%
2	94	3%	-2%
3	88	2%	4%
4	83	2%	10%
5	81	5%	9%
6	83	11%	6%
7	86	9%	-2%
8	91	3%	-3%
9	92	-4%	2%
10	82	-5%	10%
11	70	0%	19%
12	76	2%	16%
13	80	9%	15%
14	76	11%	11%
15	77	22%	4%
16	84	9%	-2%



BEAM DETAILS



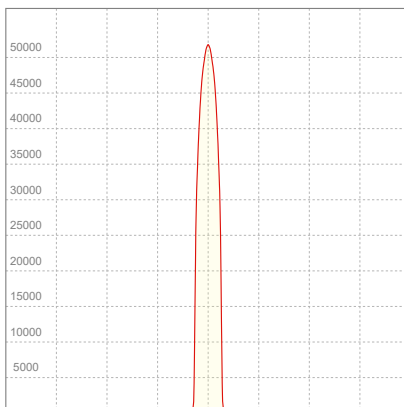
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,8°	24,8°	27,1°	100,0%	100,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	51720lx	12930lx	5747lx	3233lx	2069lx	919lx	517lx	230lx	129lx	83lx	57lx	32lx	21lx
Footcand.	4805fcd	1201fcd	534fcd	300fcd	192fcd	85fcd	48fcd	21fcd	12fcd	8fcd	5fcd	3fcd	2fcd
Beam wid.	0,4m	0,8m	1,2m	1,5m	1,9m	2,9m	3,9m	5,8m	7,7m	9,6m	11,6m	15,4m	19,3m
Beam wid.	1,3ft	2,5ft	3,8ft	5ft	6,3ft	9,5ft	12,6ft	19ft	25,3ft	31,6ft	37,9ft	50,6ft	63,2ft

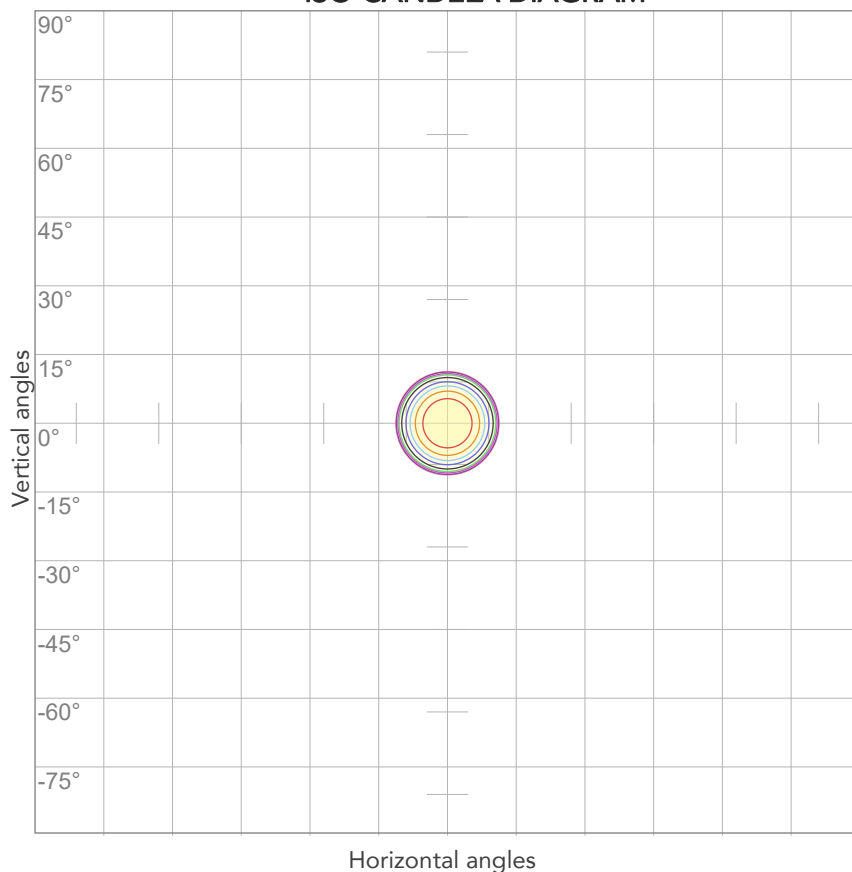
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,713A	152,8W	34lm/W

ISO CANDELA DIAGRAM



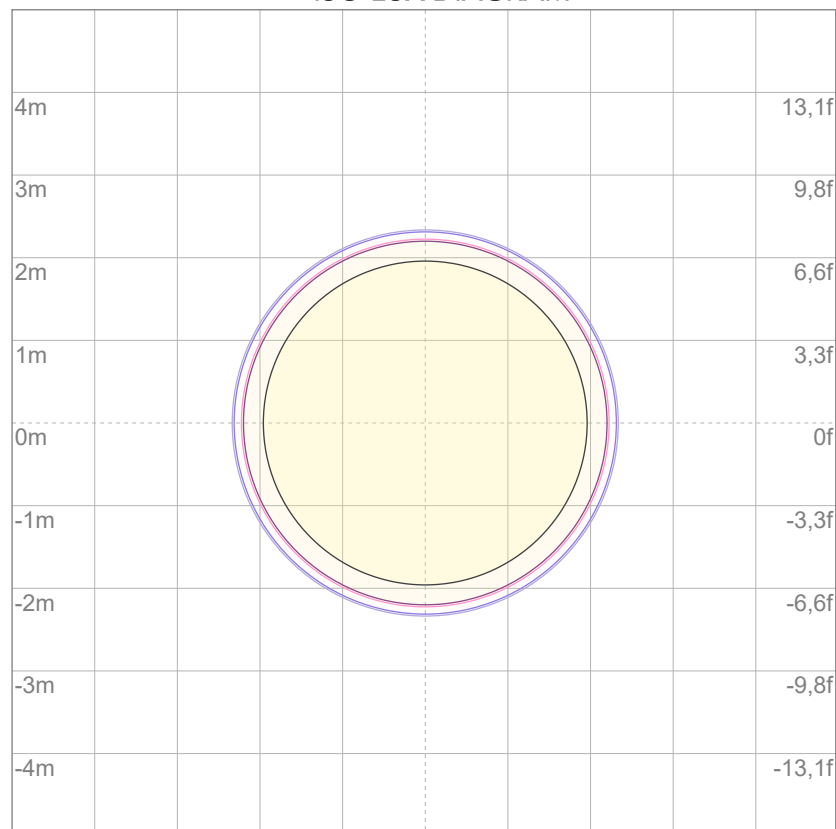
10%	5172 cd
20%	10344 cd
30%	15516 cd
40%	20688 cd
50%	25860 cd
60%	31032 cd
70%	36204 cd
80%	41376 cd

Conditions:

Number of c-planes: 2

Candela at center: 51720 cd

ISO LUX DIAGRAM



3%	15,5 lx
5%	25,9 lx
10%	51,7 lx
30%	155 lx
50%	259 lx

Conditions:

Number of c-planes: 2

Lux at center: 517 lx

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