



Photometric Test Report



ECLFS PRLZ2550

High power RGBL full spectrum ellipsoidal LED

CONTENTS

Table of contents	2
Testing process	3
Color preset Full on	
Beam angle Max Zoom	4
Beam angle Min Zoom	7
Color preset Red	
Beam angle Max Zoom	10
Beam angle Min Zoom	13
Color preset Green	
Beam angle Max Zoom	16
Beam angle Min Zoom	19
Color preset Blue	
Beam angle Max Zoom	22
Beam angle Min Zoom	25
Color preset Lime	
Beam angle Max Zoom	28
Beam angle Min Zoom	31
Color temperature 2800K	
Beam angle Max Zoom	34
Beam angle Min Zoom	39
Color temperature 3200K	
Beam angle Max Zoom	44
Beam angle Min Zoom	49
Color temperature 4000K	
Beam angle Max Zoom	54
Beam angle Min Zoom	59
Color temperature 5600K	
Beam angle Max Zoom	64
Beam angle Min Zoom	69
Color temperature 6000K	
Beam angle Max Zoom	74
Beam angle Min Zoom	79

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:

6896 lm

Peak candela output:

23831 cd

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ2550 - Max Zoom

Target:

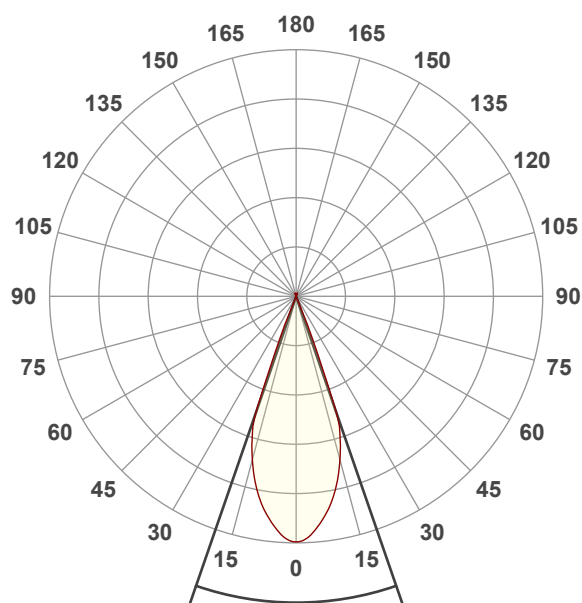
Full On

Operator:

Paolo Carvone

Date and time:

26/10/2022 14:41:57

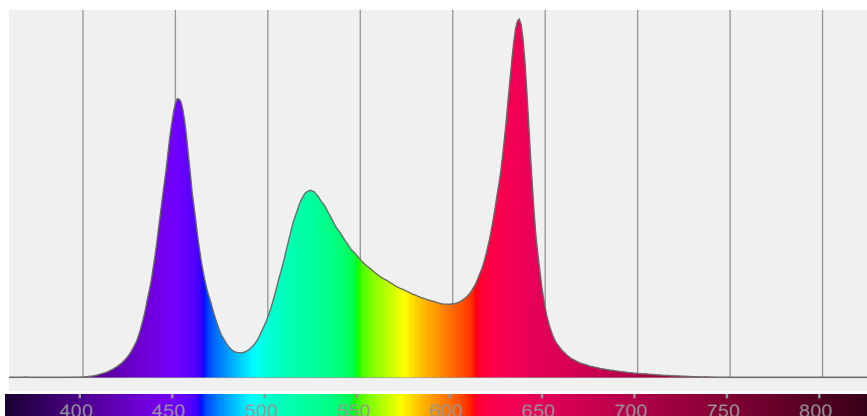


Beam angle 50%: 38,1°

Field angle 10%: 44°

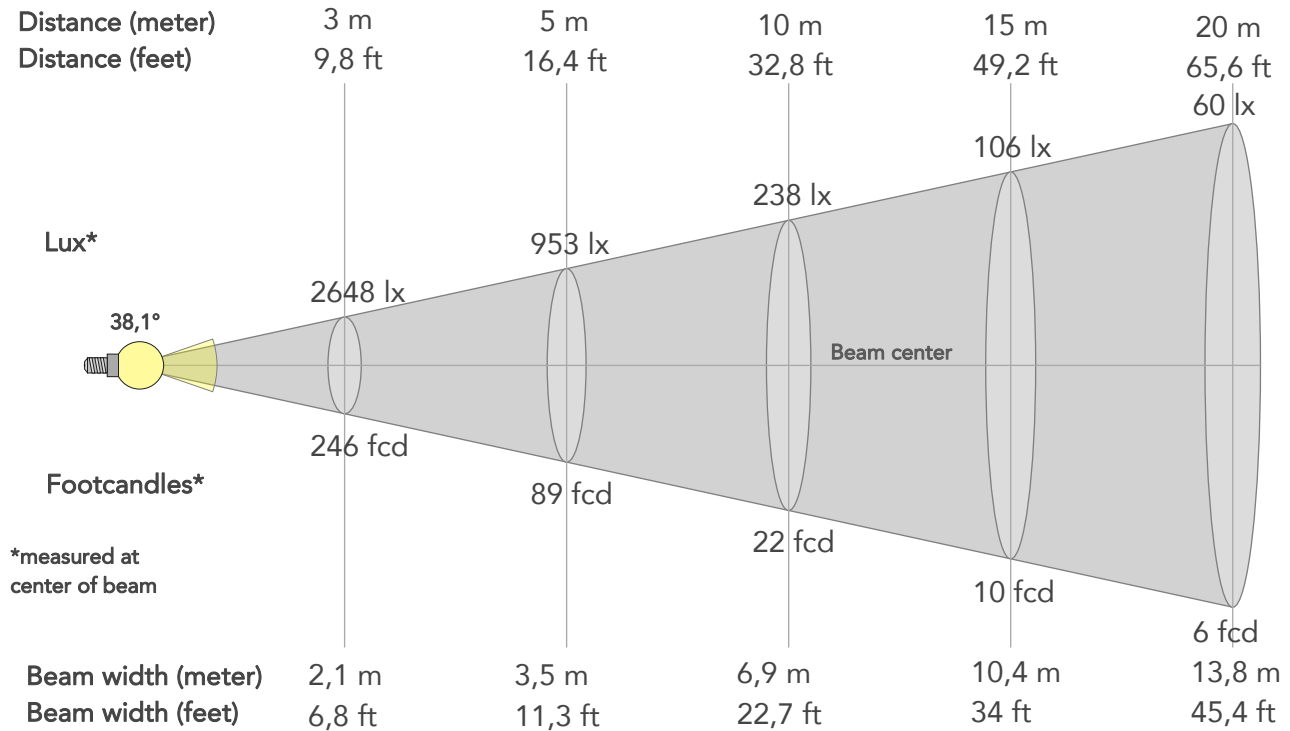
Cut off angle 2.5%: 45,6°

Spectra



BEAM DETAILS

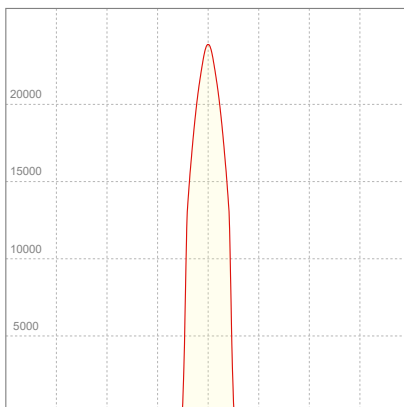
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38,1°	44°	45,6°	100,0%	100,0%



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	23831lx	5958lx	2648lx	1489lx	953lx	424lx	238lx	106lx	60lx	38lx	26lx	15lx	10lx
Footcand.	2214fcd	553fcd	246fcd	138fcd	89fcd	39fcd	22fcd	10fcd	6fcd	4fcd	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

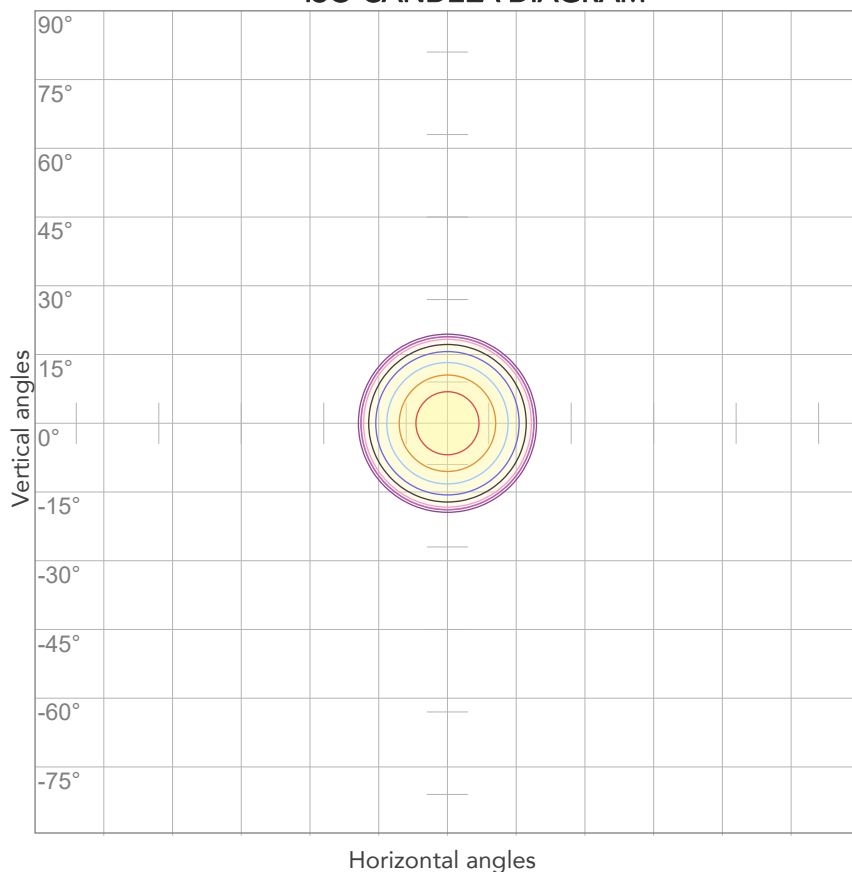
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,929A	201,4W	34lm/W
Power FC			
0,96			

ISO CANDELA DIAGRAM



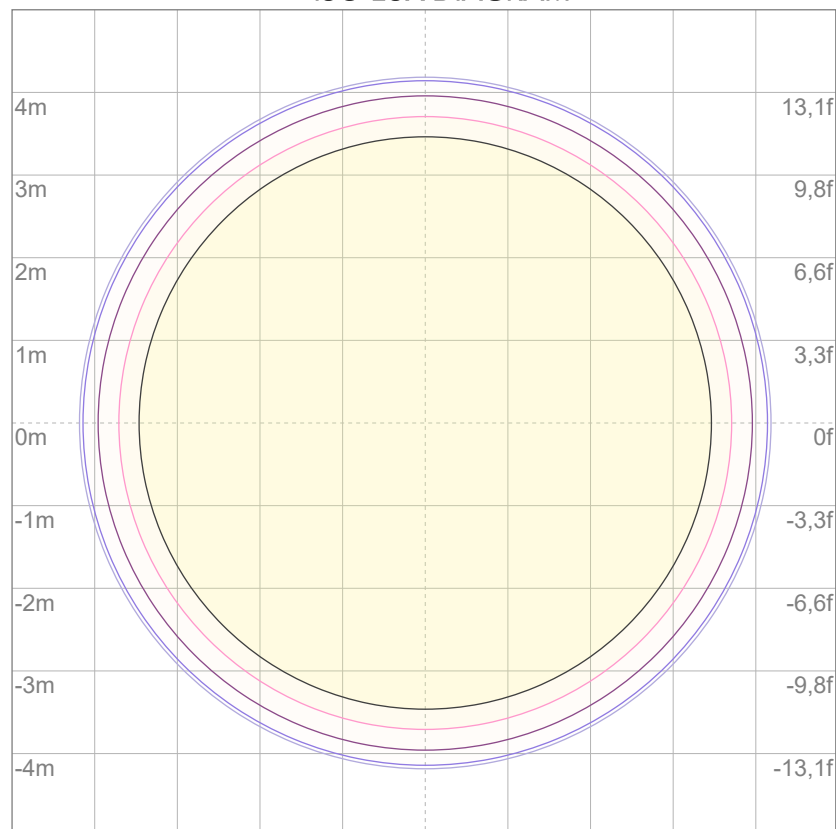
10%	2383 cd
20%	4766 cd
30%	7149 cd
40%	9532 cd
50%	11915 cd
60%	14298 cd
70%	16682 cd
80%	19065 cd

Conditions:

Number of c-planes: 2

Candela at center: 23831 cd

ISO LUX DIAGRAM



3%	7,15 lx
5%	11,9 lx
10%	23,8 lx
30%	71,5 lx
50%	119 lx

Conditions:

Number of c-planes: 2

Lux at center: 238 lx

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



Total lumen output:

6378 lm

Peak candela output:

63538 cd

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ2550 - Min Zoom

Target:

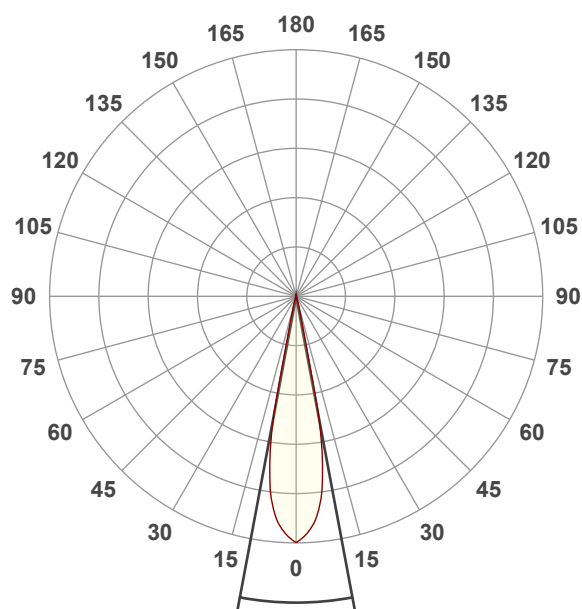
Full On

Operator:

Paolo Carvone

Date and time:

26/10/2022 13:15:29

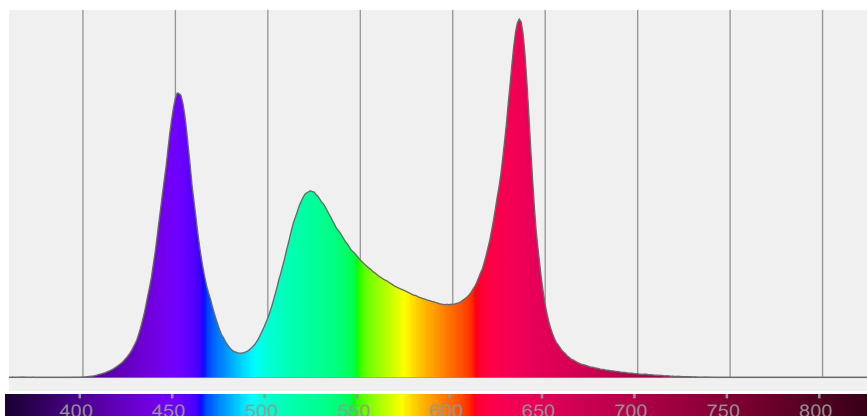


Beam angle 50%: 21,2°

Field angle 10%: 25,8°

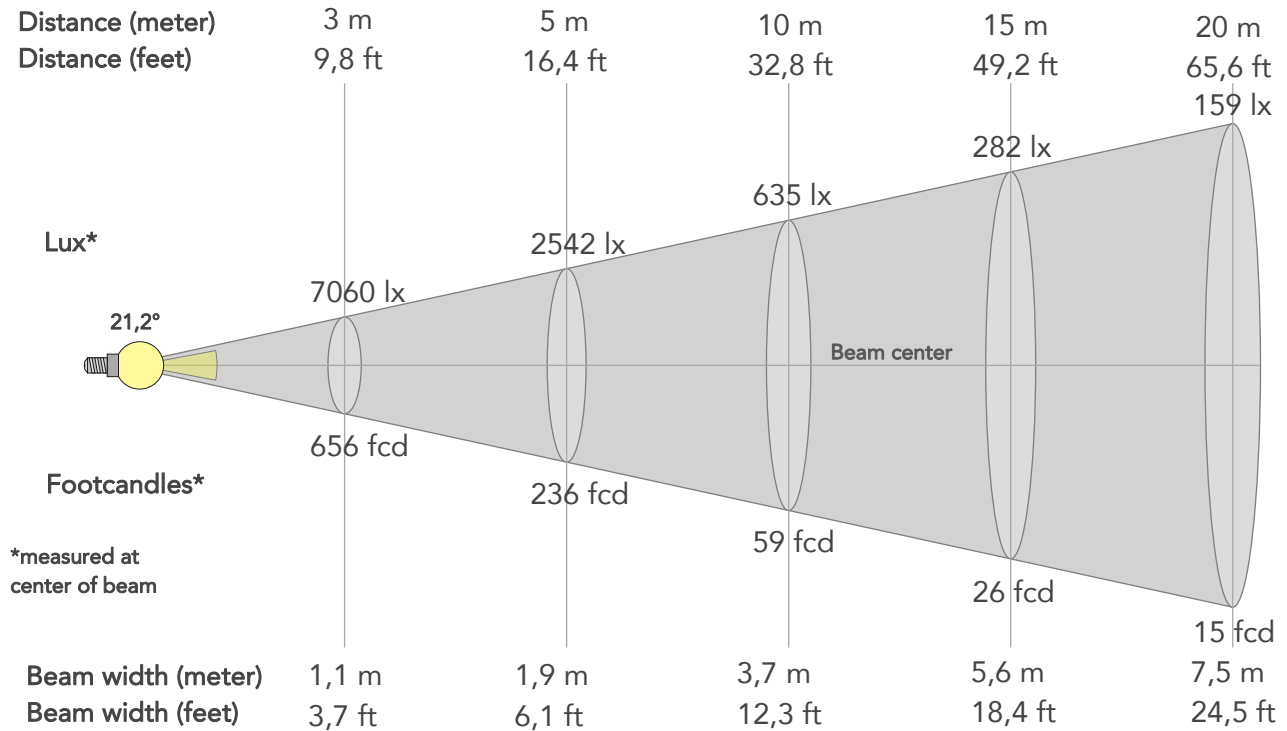
Cut off angle 2.5%: 29,4°

Spectra



BEAM DETAILS

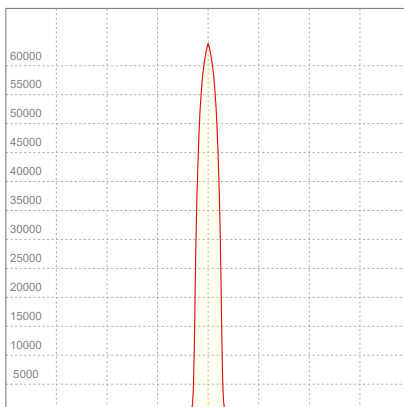
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,2°	25,8°	29,4°	100,0%	100,0%



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	63538lx	15885lx	7060lx	3971lx	2542lx	1130lx	635lx	282lx	159lx	102lx	71lx	40lx	25lx
Footcand.	5903fcd	1476fcd	656fcd	369fcd	236fcd	105fcd	59fcd	26fcd	15fcd	9fcd	7fcd	4fcd	2fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,9m	2,8m	3,7m	5,6m	7,5m	9,3m	11,2m	15m	18,7m
Beam wid.	1,2ft	2,5ft	3,7ft	4,9ft	6,1ft	9,2ft	12,3ft	18,4ft	24,5ft	30,7ft	36,8ft	49,1ft	61,3ft

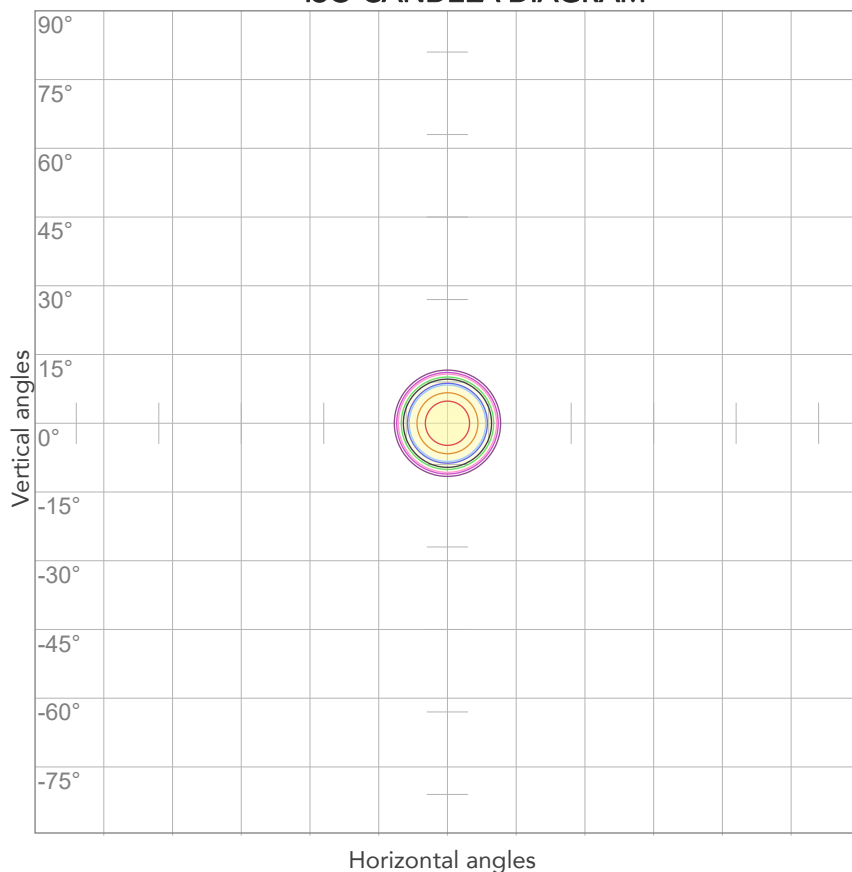
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,919A	199,7W	32lm/W
Power FC			
0,96			

ISO CANDELA DIAGRAM



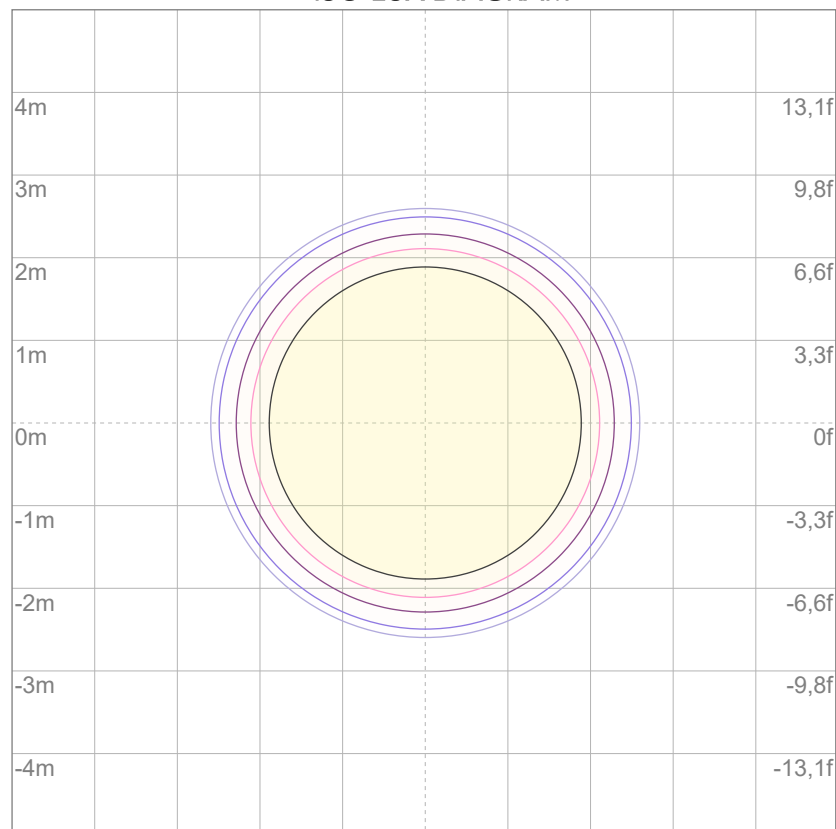
10%	6354 cd
20%	12708 cd
30%	19061 cd
40%	25415 cd
50%	31769 cd
60%	38123 cd
70%	44477 cd
80%	50831 cd

Conditions:

Number of c-planes: 2

Candela at center: 63538 cd

ISO LUX DIAGRAM



3%	19,1 lx
5%	31,8 lx
10%	63,5 lx
30%	191 lx
50%	318 lx

Conditions:

Number of c-planes: 2

Lux at center: 635 lx

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



Total lumen output:

1066 lm

Peak candela output:

3697 cd

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ2550 - Max Zoom

Target:

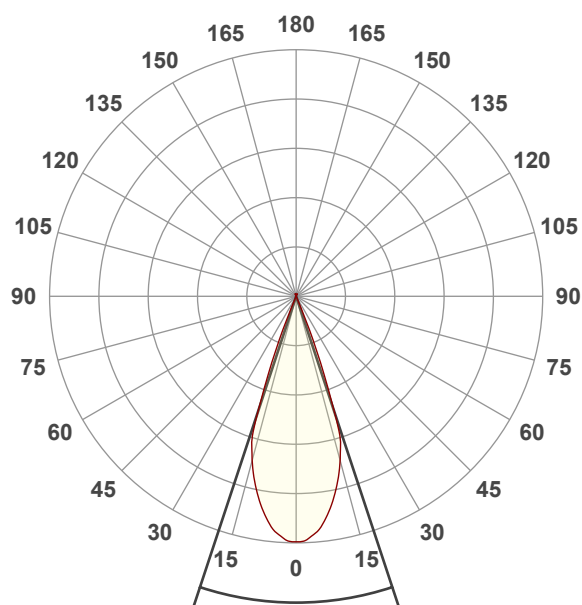
Red

Operator:

Paolo Carvone

Date and time:

26/10/2022 14:43:19

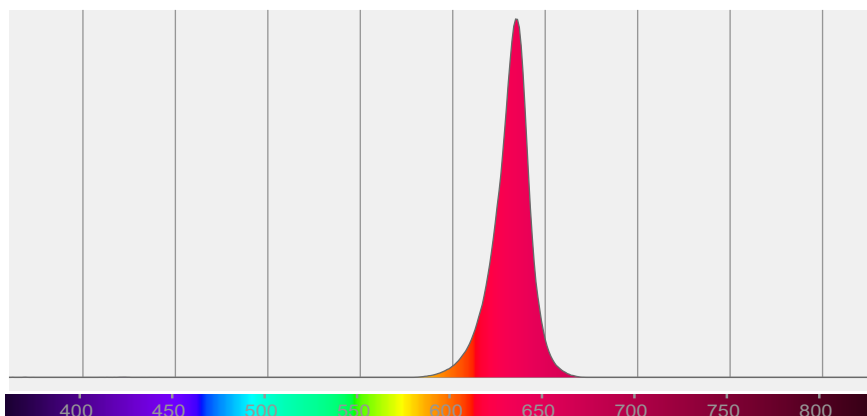


Beam angle 50%: 36,6°

Field angle 10%: 44,6°

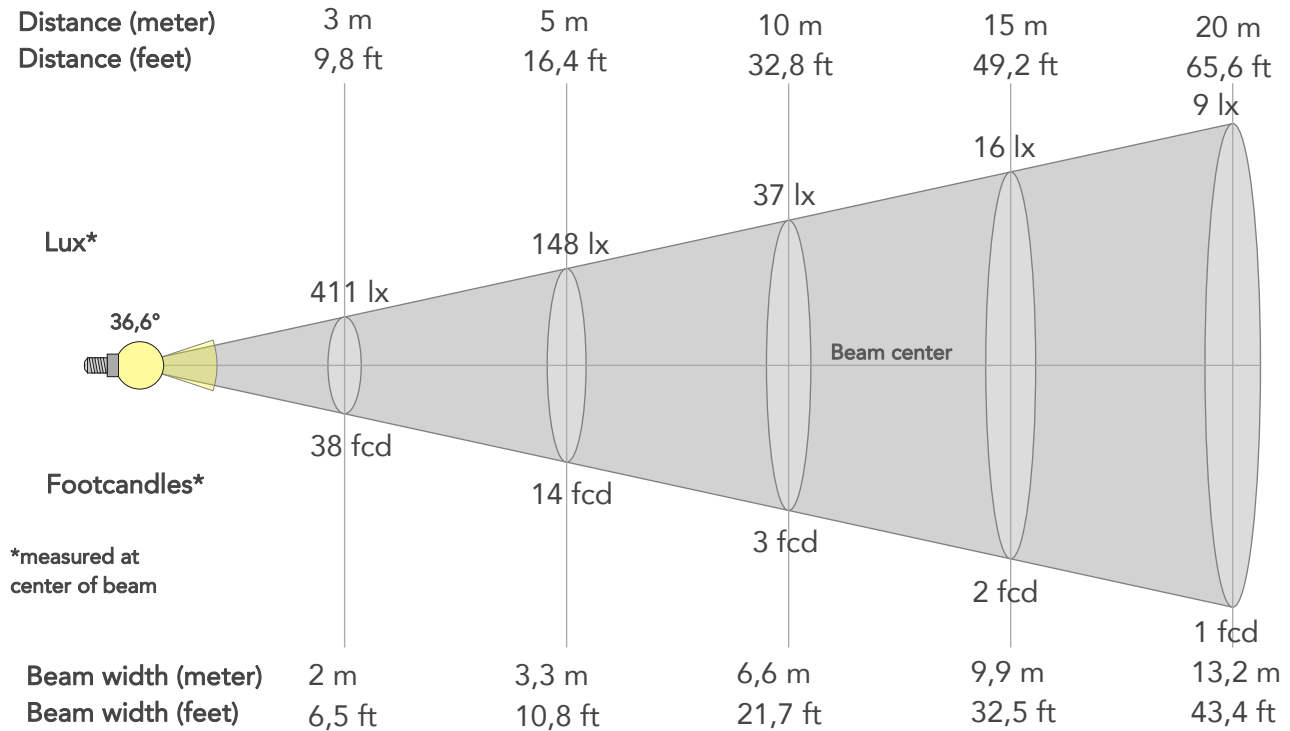
Cut off angle 2.5%: 46,6°

Spectra



BEAM DETAILS

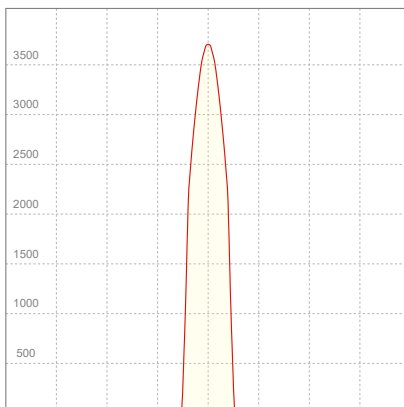
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
36,6°	44,6°	46,6°	100,0%	100,0%



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	3697lx	924lx	411lx	231lx	148lx	66lx	37lx	16lx	9lx	6lx	4lx	2lx	1lx
Footcand.	343fcd	86fcd	38fcd	21fcd	14fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,3m	2m	2,6m	3,3m	5m	6,6m	9,9m	13,2m	16,5m	19,8m	26,4m	33,1m
Beam wid.	2,2ft	4,4ft	6,5ft	8,7ft	10,8ft	16,3ft	21,7ft	32,5ft	43,4ft	54,2ft	65,1ft	86,8ft	108,4ft

LINEAR DISTRIBUTION DIAGRAM

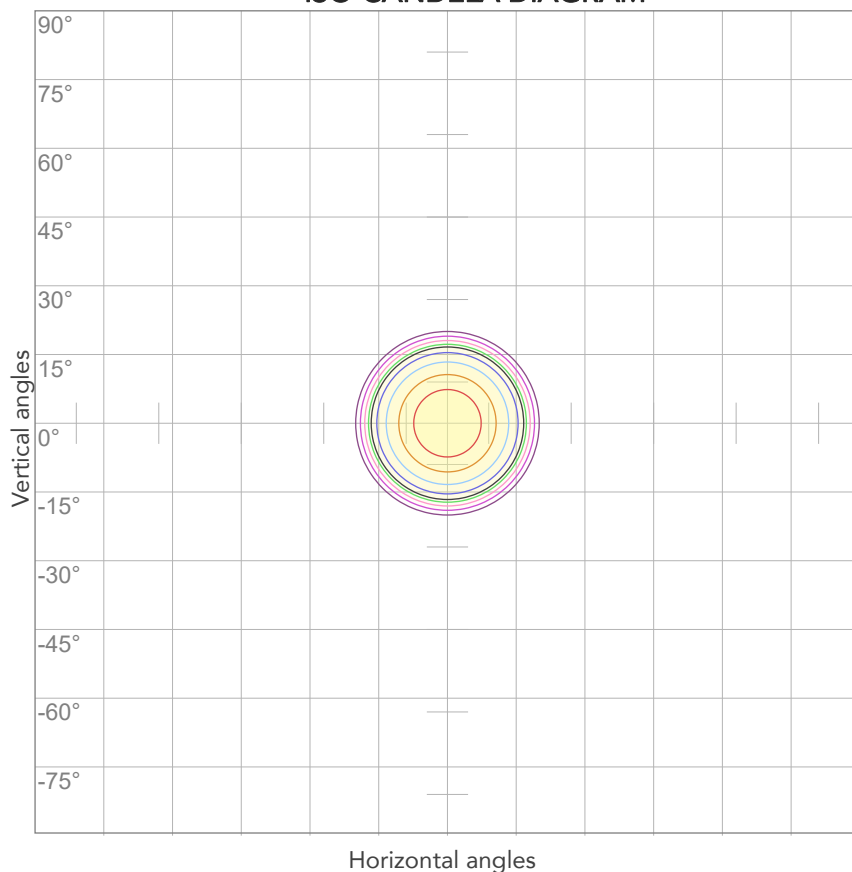


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,272A	45,7W	23lm/W

Power FC
0,74

ISO CANDELA DIAGRAM



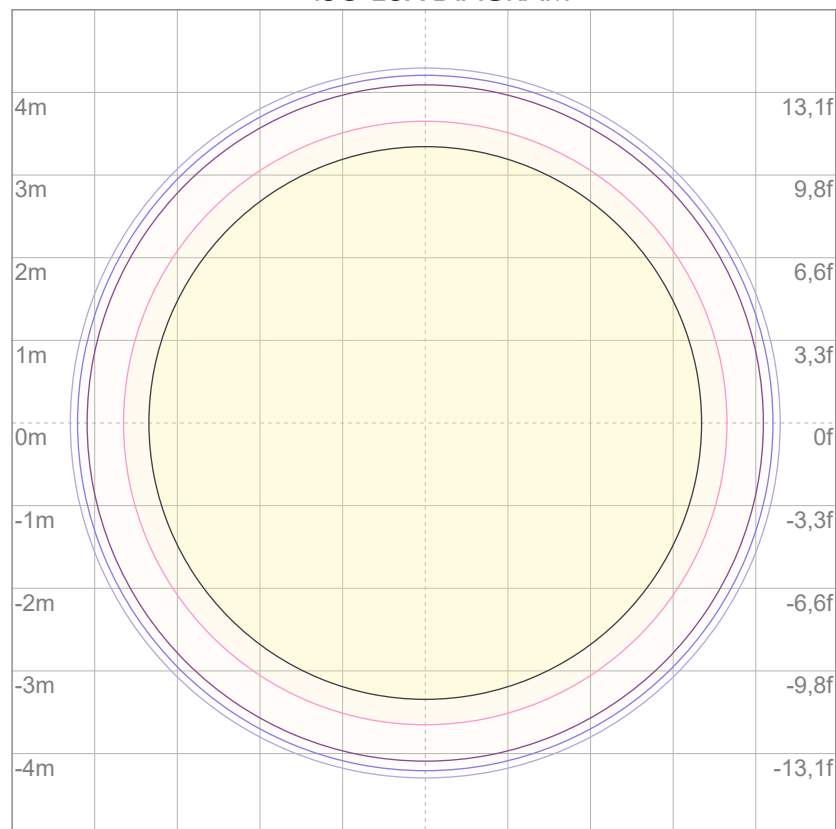
10%	370 cd
20%	739 cd
30%	1109 cd
40%	1479 cd
50%	1848 cd
60%	2218 cd
70%	2588 cd
80%	2957 cd

Conditions:

Number of c-planes: 2

Candela at center: 3697 cd

ISO LUX DIAGRAM



3%	1,11 lx
5%	1,85 lx
10%	3,70 lx
30%	11,1 lx
50%	18,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 37,0 lx

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



Total lumen output:

1000 lm

Peak candela output:

9796 cd

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ2550 - Min Zoom

Target:

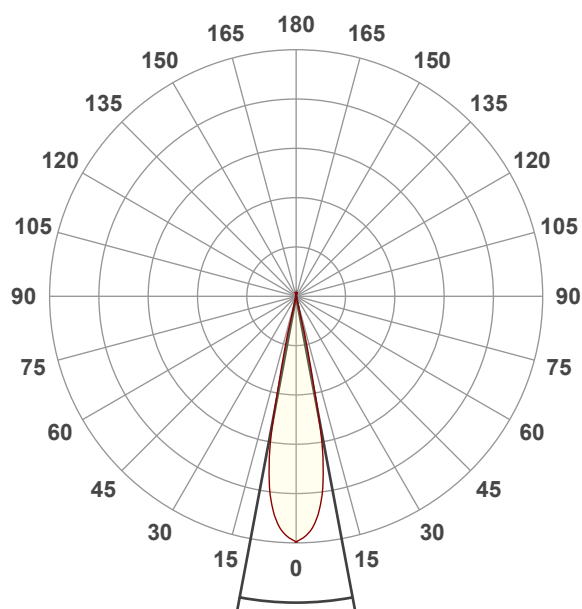
Red

Operator:

Paolo Carvone

Date and time:

26/10/2022 13:17:01

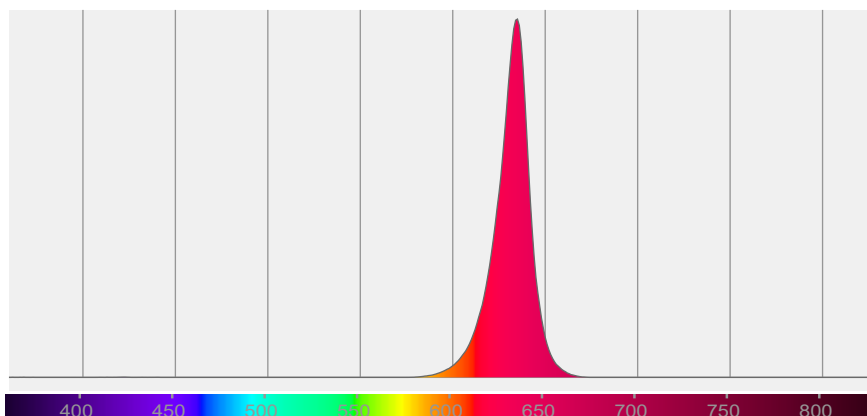


Beam angle 50%: 21,2°

Field angle 10%: 26,6°

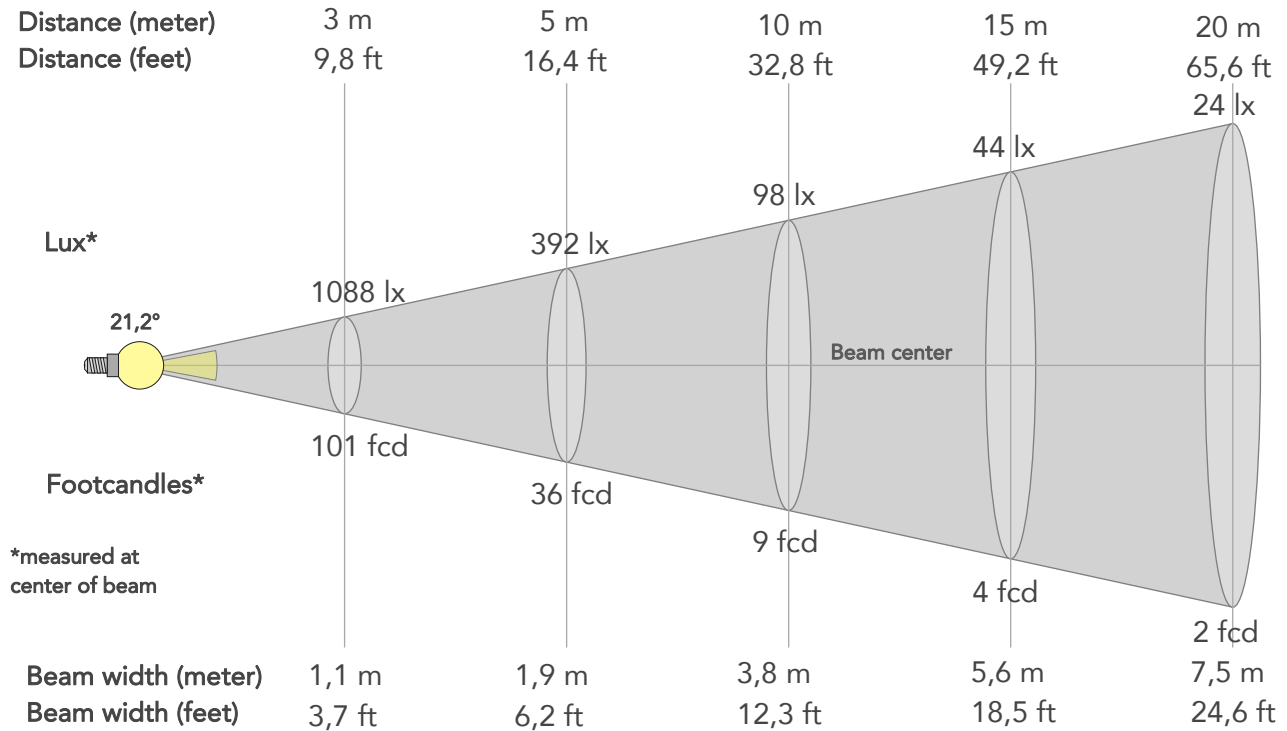
Cut off angle 2.5%: 27,9°

Spectra



BEAM DETAILS

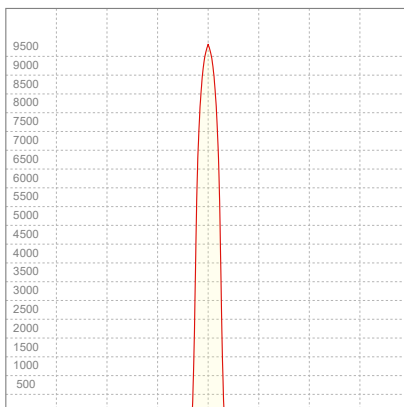
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,2°	26,6°	27,9°	100,0%	100,0%



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	9796lx	2449lx	1088lx	612lx	392lx	174lx	98lx	44lx	24lx	16lx	11lx	6lx	4lx
Footcand.	910fcd	228fcd	101fcd	57fcd	36fcd	16fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,4m	0,8m	1,1m	1,5m	1,9m	2,8m	3,8m	5,6m	7,5m	9,4m	11,3m	15m	18,8m
Beam wid.	1,2ft	2,5ft	3,7ft	4,9ft	6,2ft	9,2ft	12,3ft	18,5ft	24,6ft	30,8ft	36,9ft	49,2ft	61,5ft

LINEAR DISTRIBUTION DIAGRAM

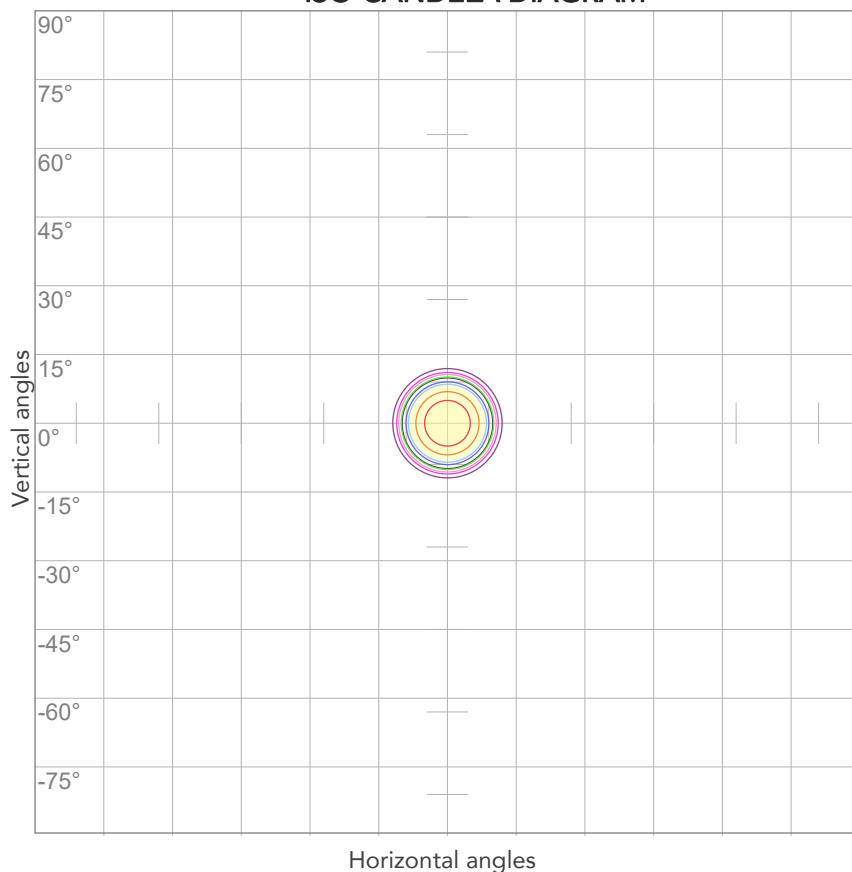


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Efficiency
229V	0,270A	45,6W	22lm/W

Power FC
0,74

ISO CANDELA DIAGRAM



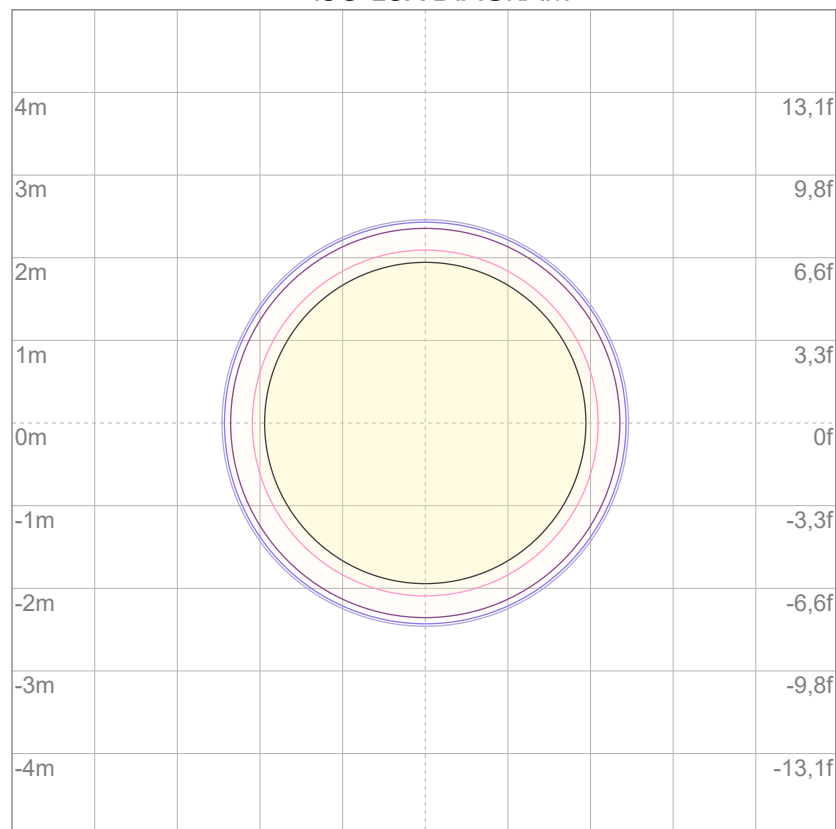
10%	980 cd
20%	1959 cd
30%	2939 cd
40%	3919 cd
50%	4898 cd
60%	5878 cd
70%	6858 cd
80%	7837 cd

Conditions:

Number of c-planes: 2

Candela at center: 9796 cd

ISO LUX DIAGRAM



3%	2,94 lx
5%	4,90 lx
10%	9,80 lx
30%	29,4 lx
50%	49,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 98,0 lx

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



Total lumen output:

1667 lm

Peak candela output:

5962 cd

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ2550 - Max Zoom

Target:

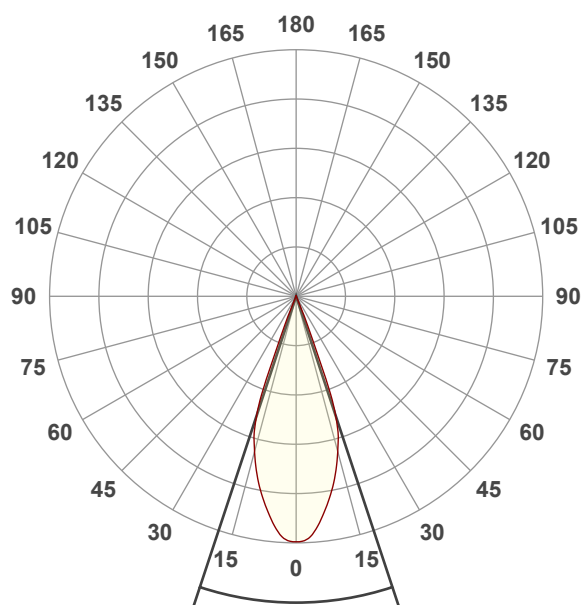
Green

Operator:

Paolo Carvone

Date and time:

26/10/2022 14:45:26

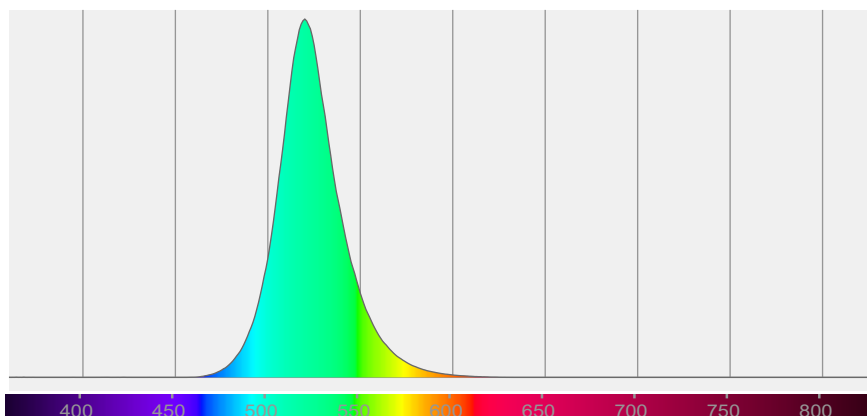


Beam angle 50%: 36,6°

Field angle 10%: 43,9°

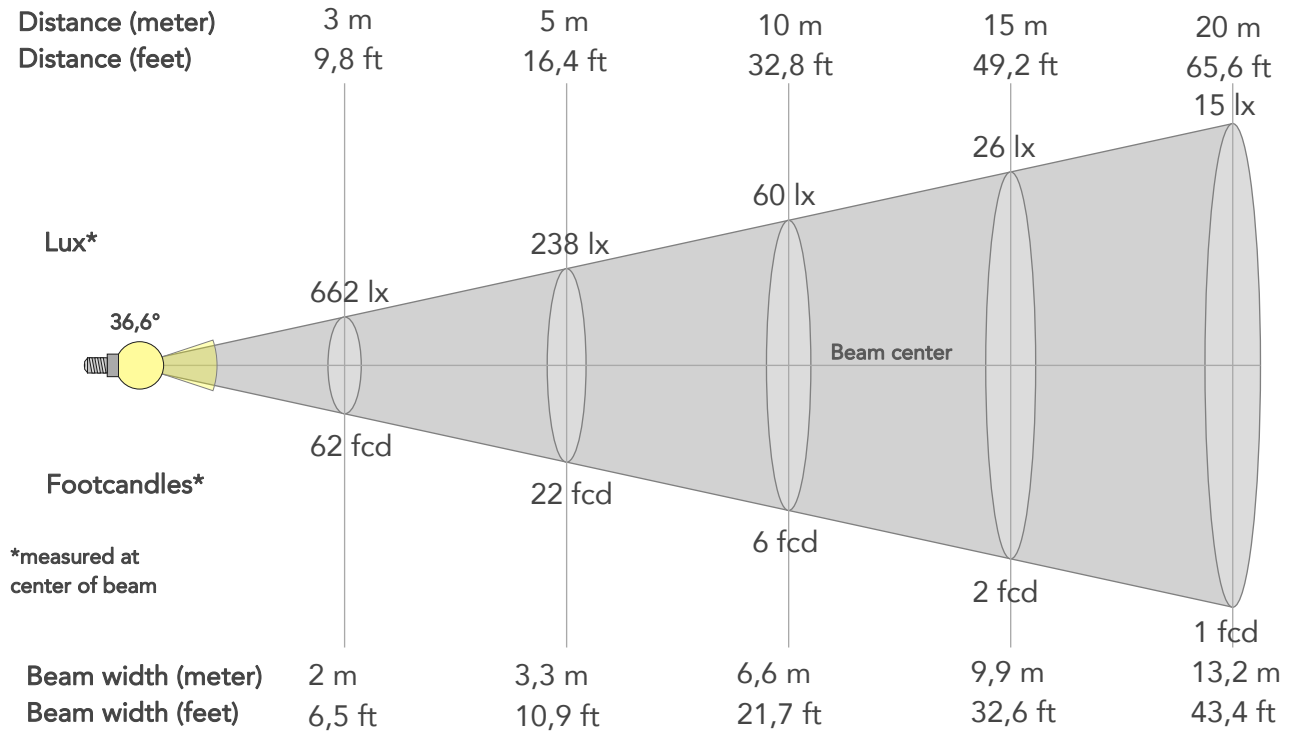
Cut off angle 2.5%: 46,4°

Spectra



BEAM DETAILS

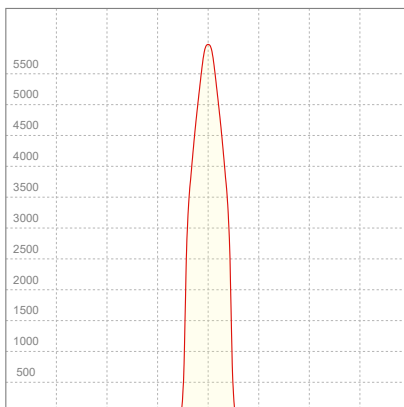
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
36,6°	43,9°	46,4°	100,0%	100,0%



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	5962lx	1491lx	662lx	373lx	238lx	106lx	60lx	26lx	15lx	10lx	7lx	4lx	2lx
Footcand.	554fcd	138fcd	62fcd	35fcd	22fcd	10fcd	6fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,7m	1,3m	2m	2,6m	3,3m	5m	6,6m	9,9m	13,2m	16,6m	19,9m	26,5m	33,1m
Beam wid.	2,2ft	4,4ft	6,5ft	8,7ft	10,9ft	16,3ft	21,7ft	32,6ft	43,4ft	54,3ft	65,1ft	86,9ft	108,6ft

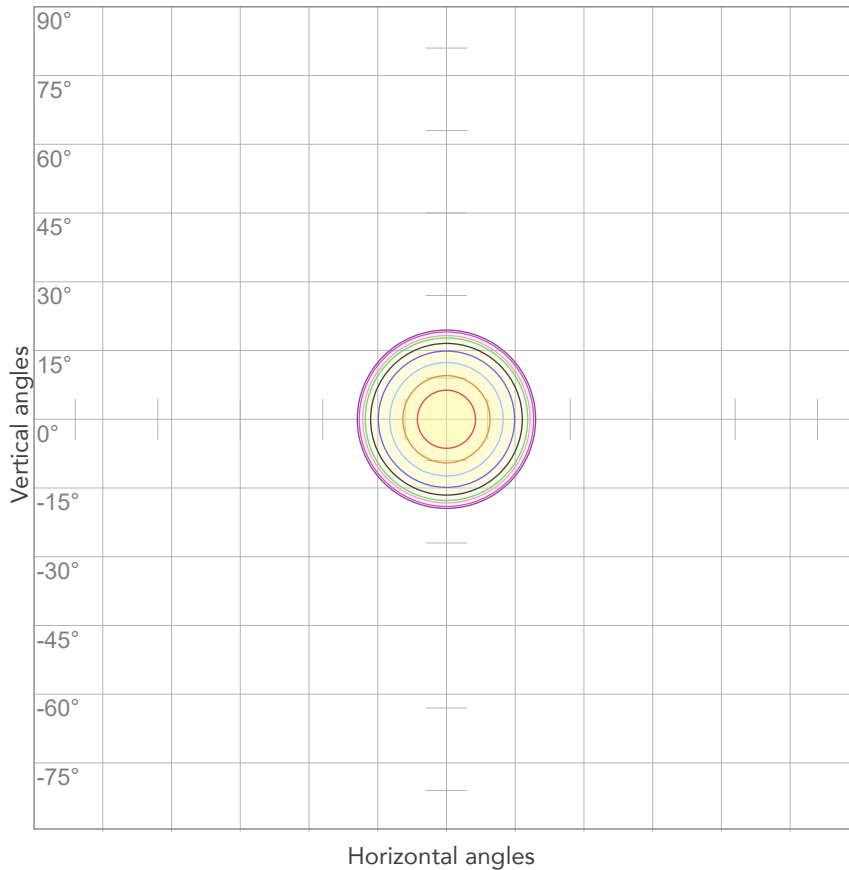
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,285A	49,3W	34lm/W
Power FC			
0,76			

ISO CANDELA DIAGRAM



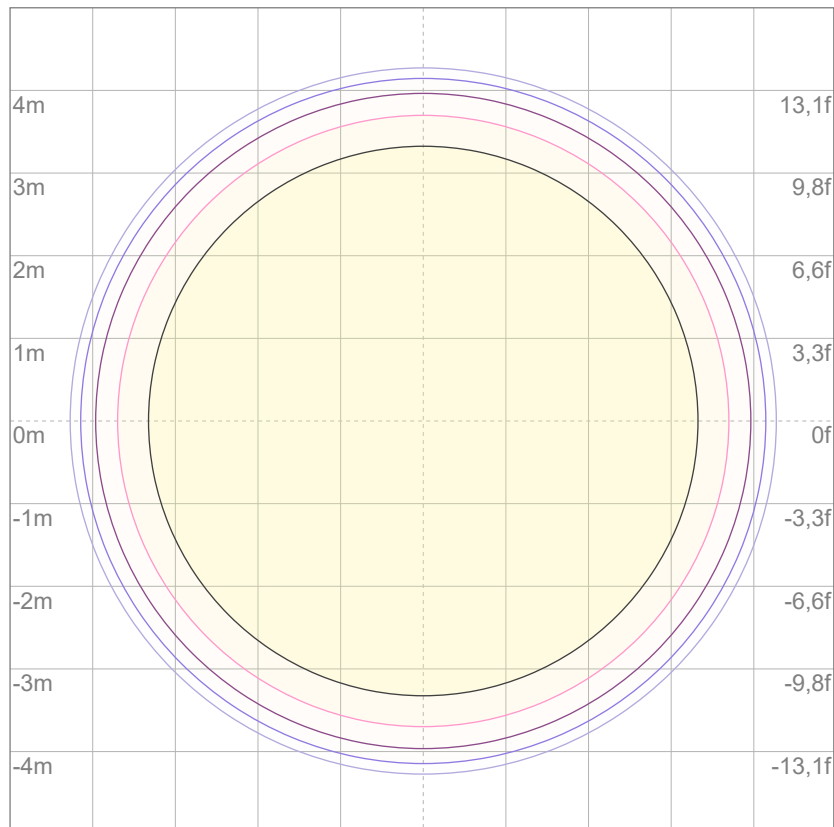
10%	596 cd
20%	1192 cd
30%	1789 cd
40%	2385 cd
50%	2981 cd
60%	3577 cd
70%	4174 cd
80%	4770 cd

Conditions:

Number of c-planes: 2

Candela at center: 5962 cd

ISO LUX DIAGRAM



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

Conditions:

Number of c-planes: 2

Lux at center: 59,6 lx

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



Total lumen output:

1576 lm

Peak candela output:

16097 cd

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ2550 - Min Zoom

Target:

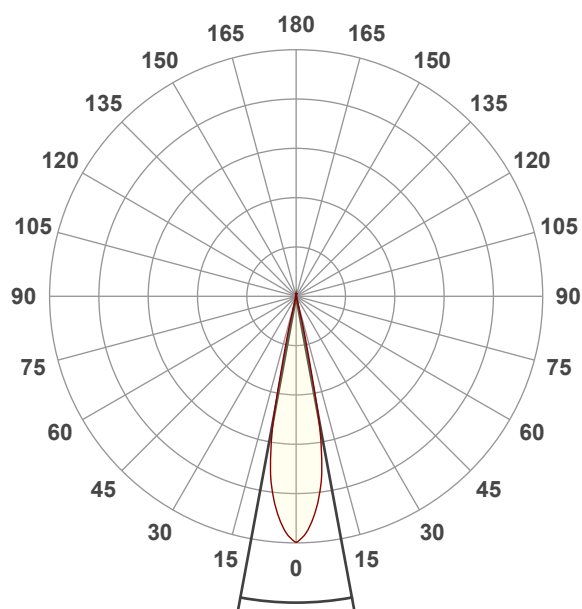
Green

Operator:

Paolo Carvone

Date and time:

26/10/2022 13:18:33

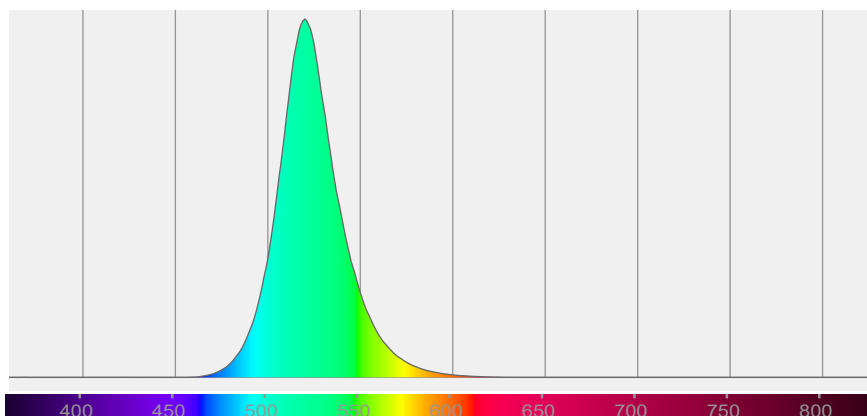


Beam angle 50%: 21°

Field angle 10%: 26,5°

Cut off angle 2.5%: 28,3°

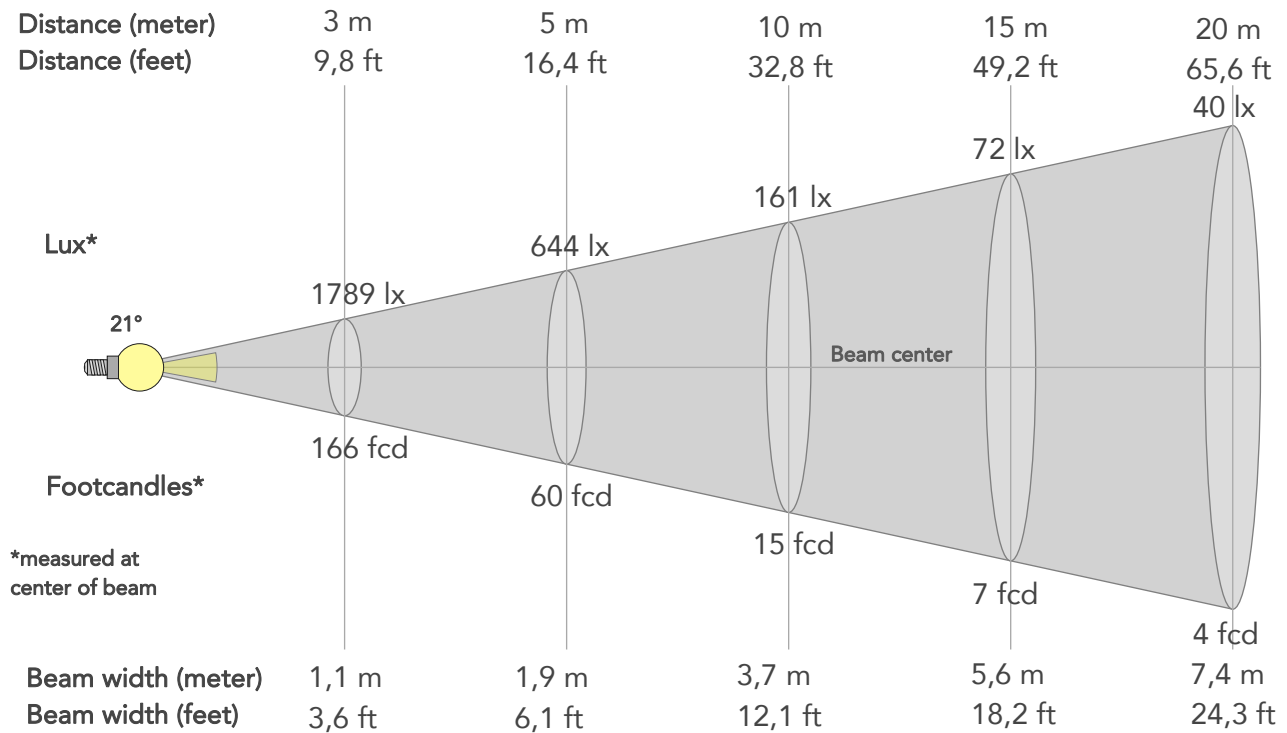
Spectra



BEAM DETAILS



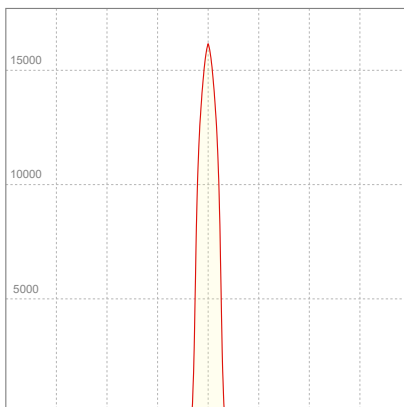
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21°	26,5°	28,3°	100,0%	100,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	16097lx	4024lx	1789lx	1006lx	644lx	286lx	161lx	72lx	40lx	26lx	18lx	10lx	6lx
Footcand.	1495fcd	374fcd	166fcd	93fcd	60fcd	27fcd	15fcd	7fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,9m	2,8m	3,7m	5,6m	7,4m	9,3m	11,1m	14,8m	18,5m
Beam wid.	1,2ft	2,4ft	3,6ft	4,9ft	6,1ft	9,1ft	12,1ft	18,2ft	24,3ft	30,4ft	36,4ft	48,6ft	60,7ft

LINEAR DISTRIBUTION DIAGRAM

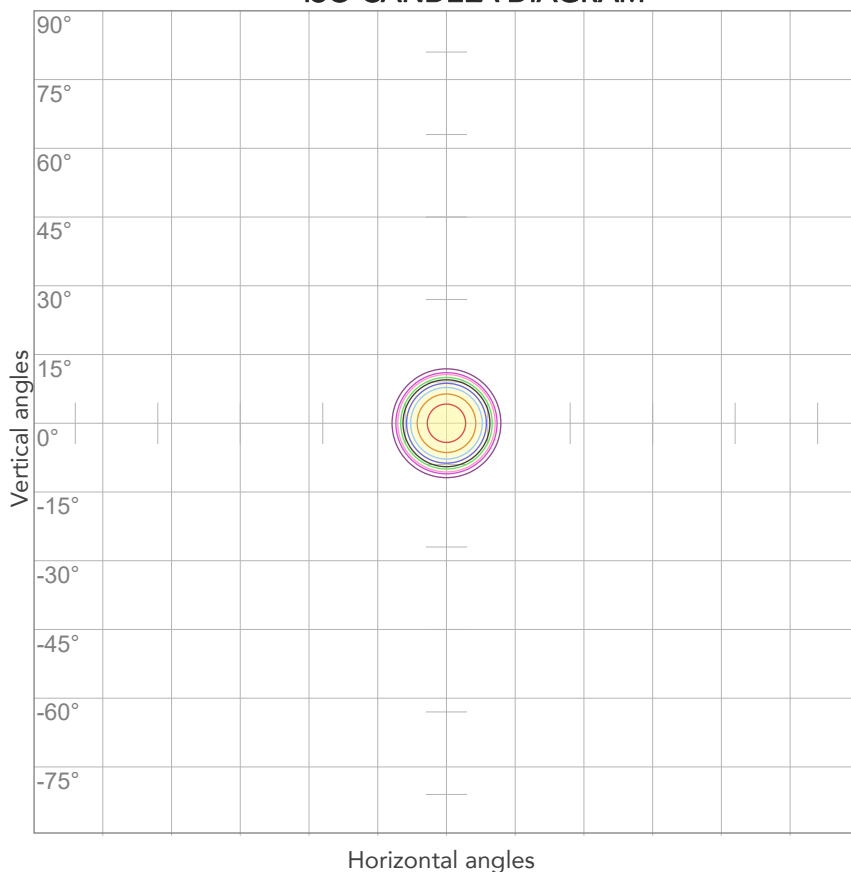


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
229V	0,284A	49,3W	32lm/W

Power FC
0,76

ISO CANDELA DIAGRAM



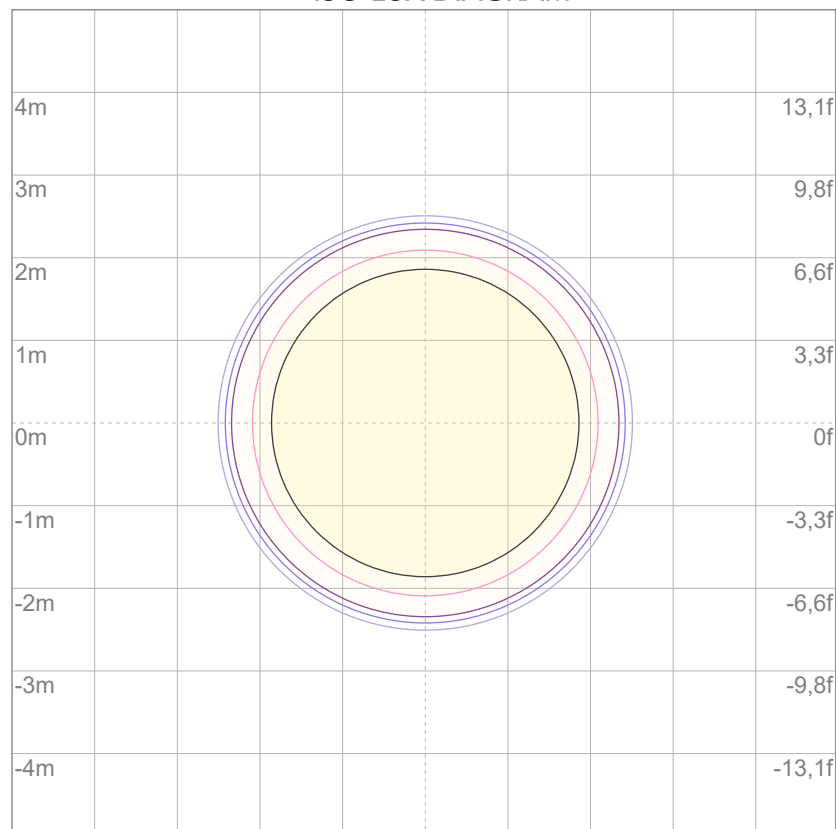
10%	1610 cd
20%	3219 cd
30%	4829 cd
40%	6439 cd
50%	8049 cd
60%	9658 cd
70%	11268 cd
80%	12878 cd

Conditions:

Number of c-planes: 2

Candela at center: 16097 cd

ISO LUX DIAGRAM



3%	4,83 lx
5%	8,05 lx
10%	16,1 lx
30%	48,3 lx
50%	80,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 161 lx

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



Total lumen output:

235 lm

Peak candela output:

867 cd

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ2550 - Max Zoom

Target:

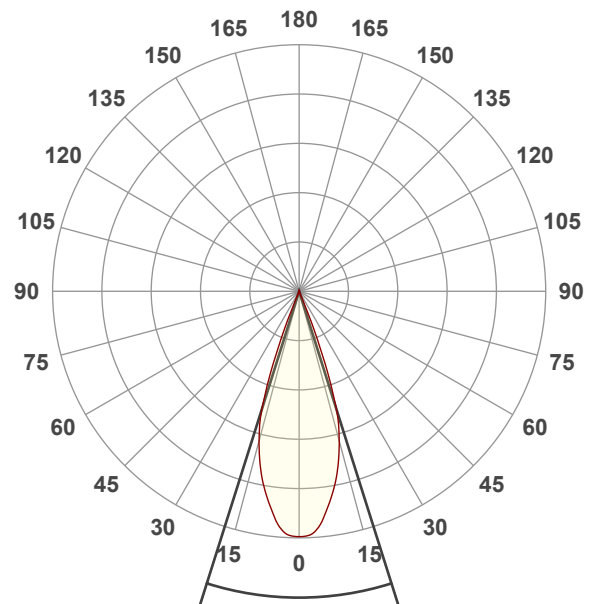
Blue

Operator:

Paolo Carvone

Date and time:

26/10/2022 14:47:32

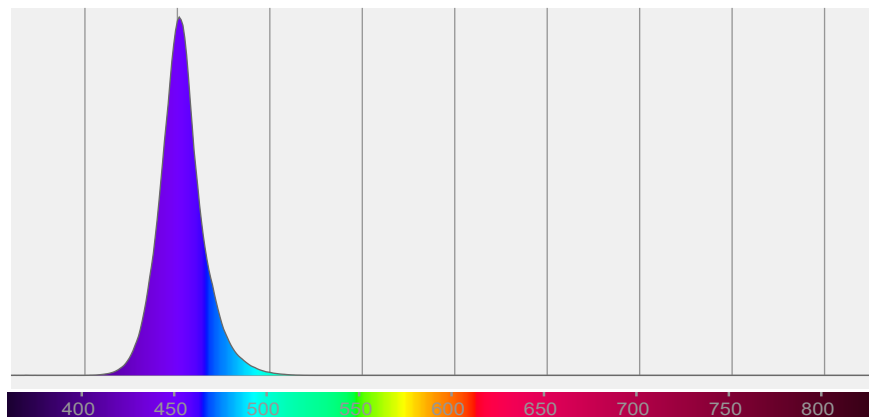


Beam angle 50%: 35,1°

Field angle 10%: 44,4°

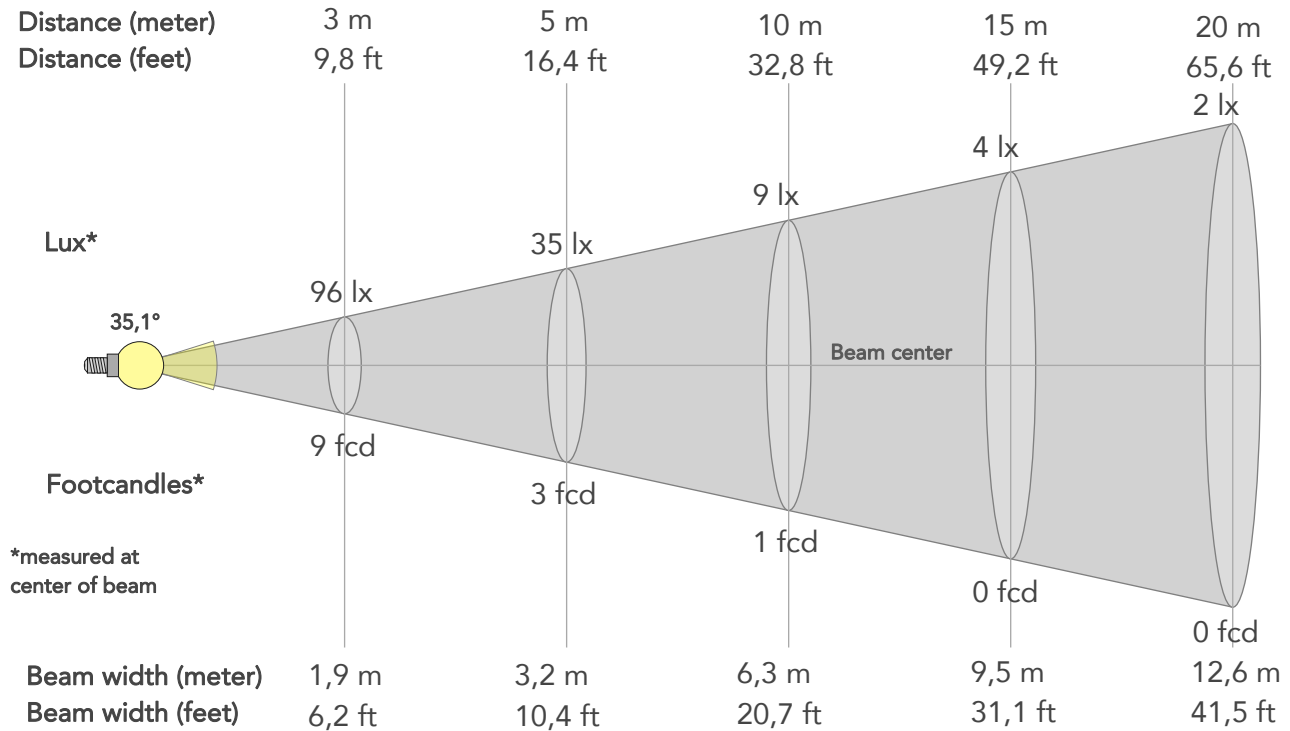
Cut off angle 2.5%: 46,4°

Spectra



BEAM DETAILS

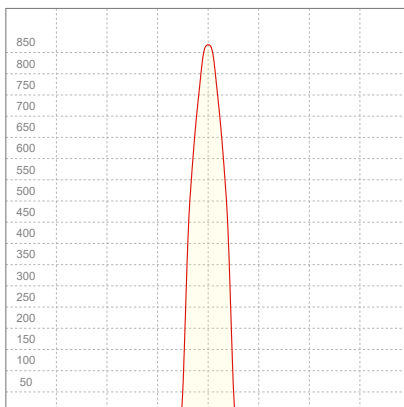
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35,1°	44,4°	46,4°	100,0%	100,0%



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	867lx	217lx	96lx	54lx	35lx	15lx	9lx	4lx	2lx	1lx	1lx	1lx	0lx
Footcand.	81fcd	20fcd	9fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,3m	1,9m	2,5m	3,2m	4,7m	6,3m	9,5m	12,6m	15,8m	19m	25,3m	31,6m
Beam wid.	2,1ft	4,2ft	6,2ft	8,3ft	10,4ft	15,6ft	20,7ft	31,1ft	41,5ft	51,8ft	62,2ft	82,9ft	103,7ft

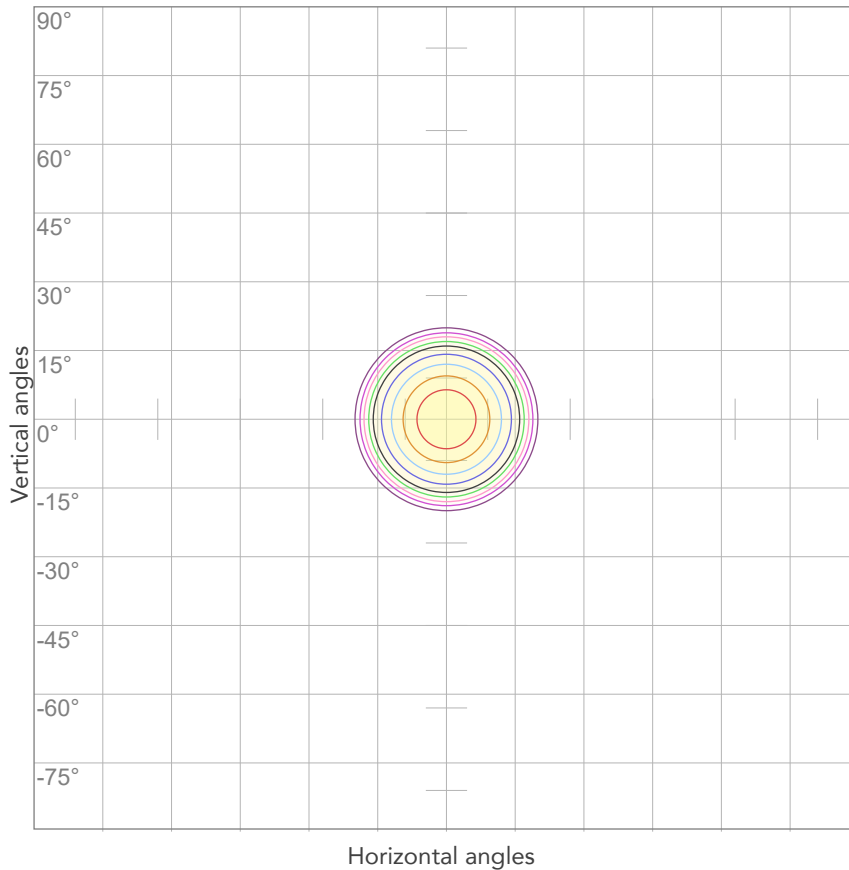
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,238A	37,0W	6lm/W
Power FC			
0,68			

ISO CANDELA DIAGRAM



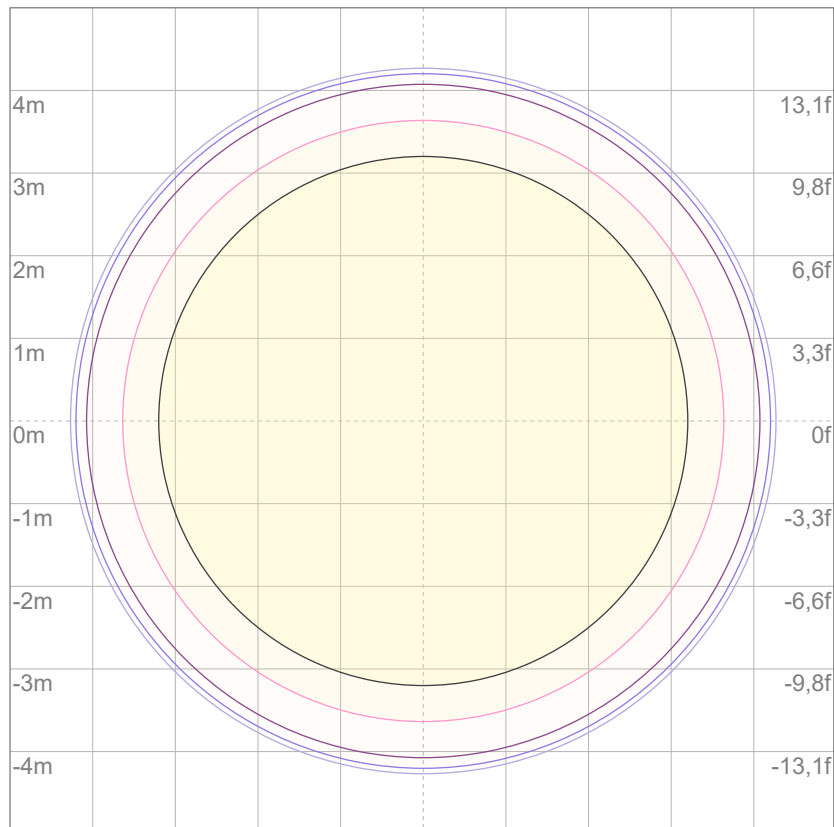
10%	87 cd
20%	173 cd
30%	260 cd
40%	347 cd
50%	434 cd
60%	520 cd
70%	607 cd
80%	694 cd

Conditions:

Number of c-planes: 2

Candela at center: 867 cd

ISO LUX DIAGRAM



3%	0,260 lx
5%	0,434 lx
10%	0,867 lx
30%	2,60 lx
50%	4,34 lx

Conditions:

Number of c-planes: 2

Lux at center: 8,67 lx

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



Total lumen output:

220 lm

Peak candela output:

2290 cd

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ2550 - Min Zoom

Target:

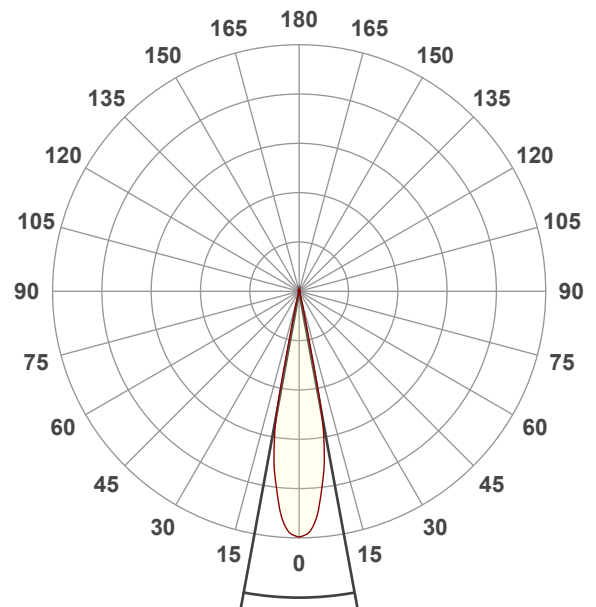
Blue

Operator:

Paolo Carvone

Date and time:

26/10/2022 13:20:17

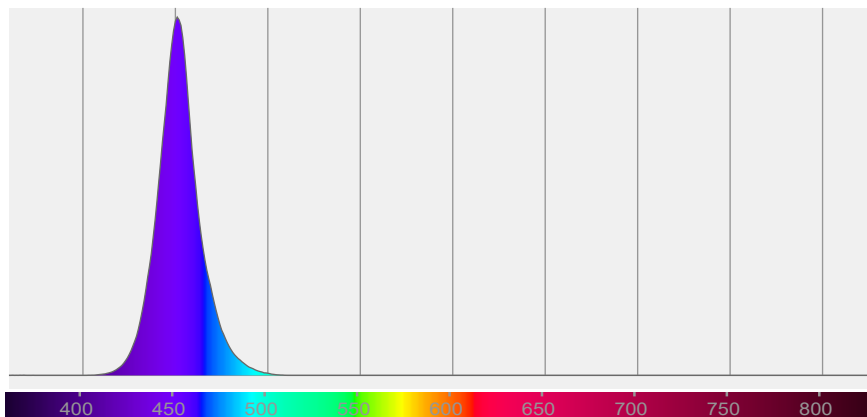


Beam angle 50%: 20,9°

Field angle 10%: 25,2°

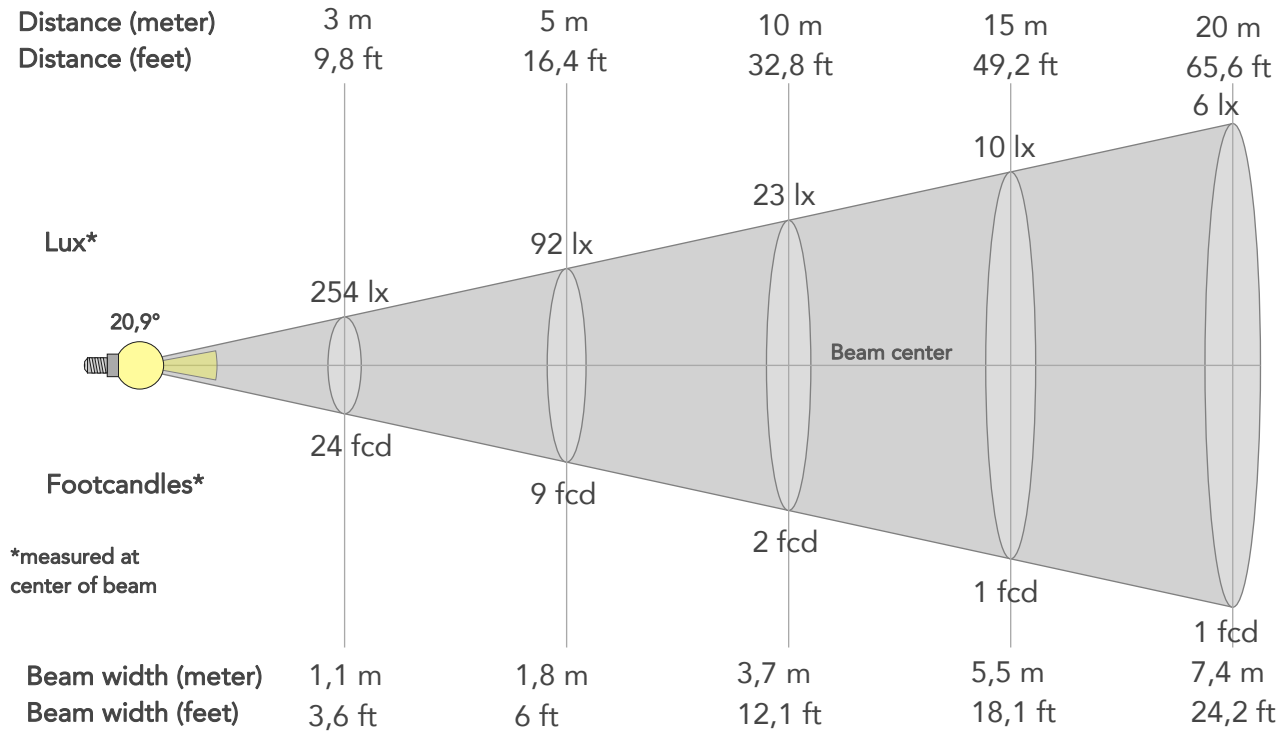
Cut off angle 2.5%: 28,5°

Spectra



BEAM DETAILS

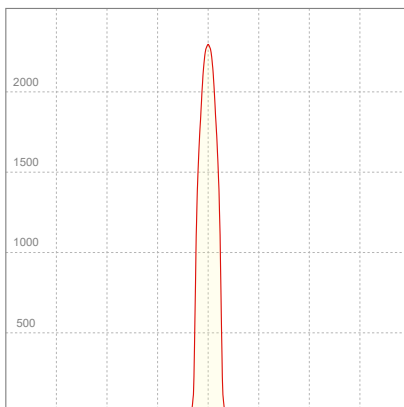
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,9°	25,2°	28,5°	100,0%	99,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2290lx	573lx	254lx	143lx	92lx	41lx	23lx	10lx	6lx	4lx	3lx	1lx	1lx
Footcand.	213fcd	53fcd	24fcd	13fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,8m	2,8m	3,7m	5,5m	7,4m	9,2m	11m	14,7m	18,4m
Beam wid.	1,2ft	2,4ft	3,6ft	4,8ft	6ft	9,1ft	12,1ft	18,1ft	24,2ft	30,2ft	36,2ft	48,3ft	60,4ft

LINEAR DISTRIBUTION DIAGRAM

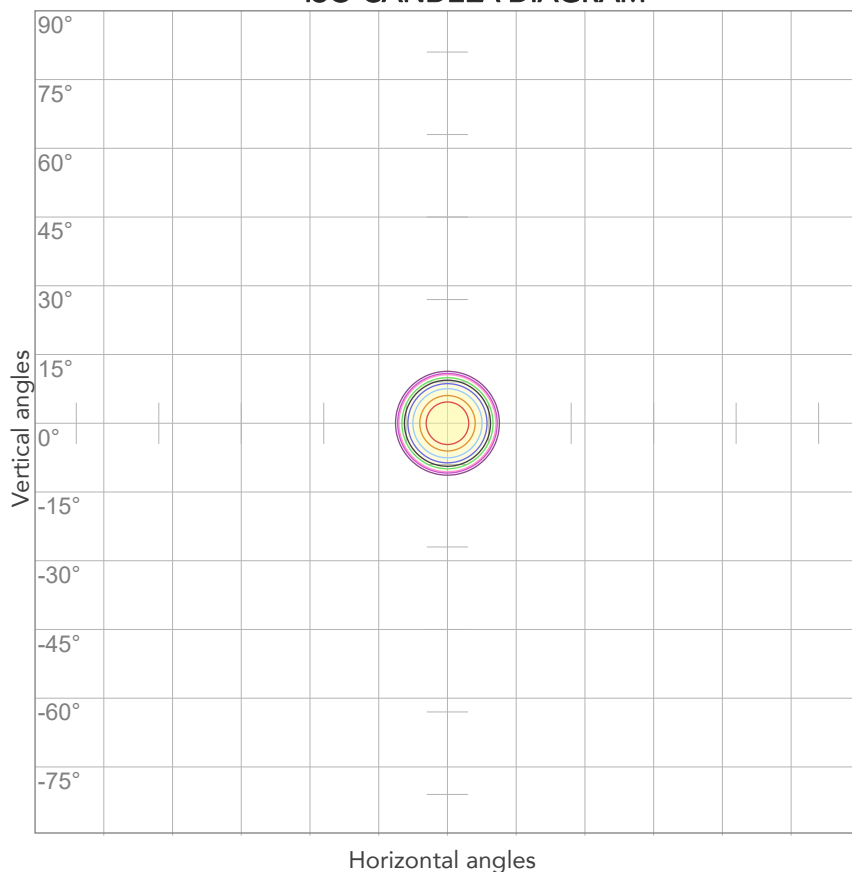


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
229V	0,236A	36,3W	6lm/W

Power FC
0,67

ISO CANDELA DIAGRAM



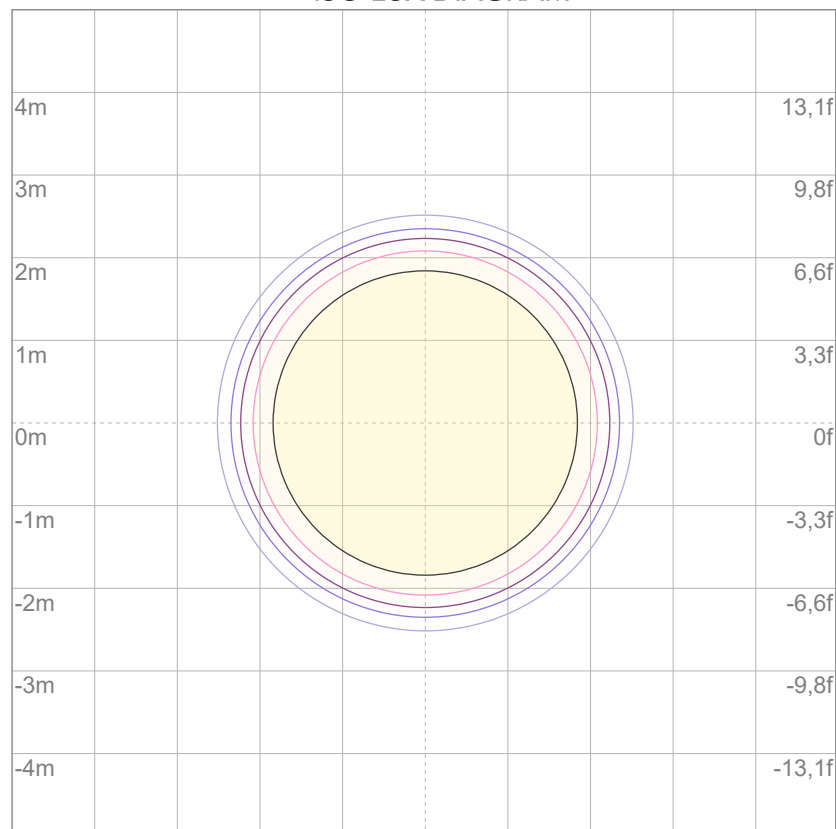
10%	229 cd
20%	458 cd
30%	687 cd
40%	916 cd
50%	1145 cd
60%	1374 cd
70%	1603 cd
80%	1832 cd

Conditions:

Number of c-planes: 2

Candela at center: 2290 cd

ISO LUX DIAGRAM



3%	0,687 lx
5%	1,15 lx
10%	2,29 lx
30%	6,87 lx
50%	11,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 22,9 lx

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



Total lumen output:

4147 lm

Peak candela output:

13934 cd

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ2550 - Max Zoom

Target:

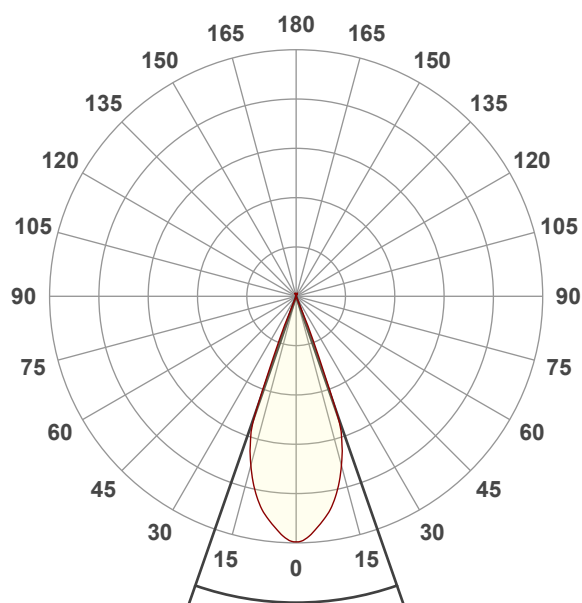
Lime

Operator:

Paolo Carvone

Date and time:

26/10/2022 14:49:12

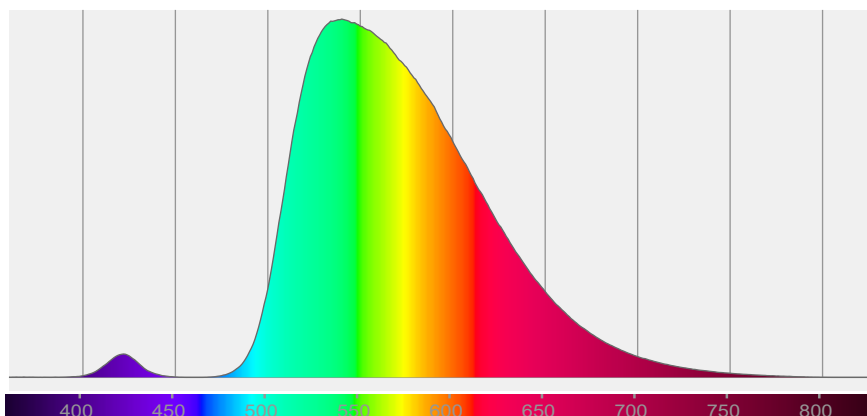


Beam angle 50%: 38,4°

Field angle 10%: 44,1°

Cut off angle 2.5%: 45,7°

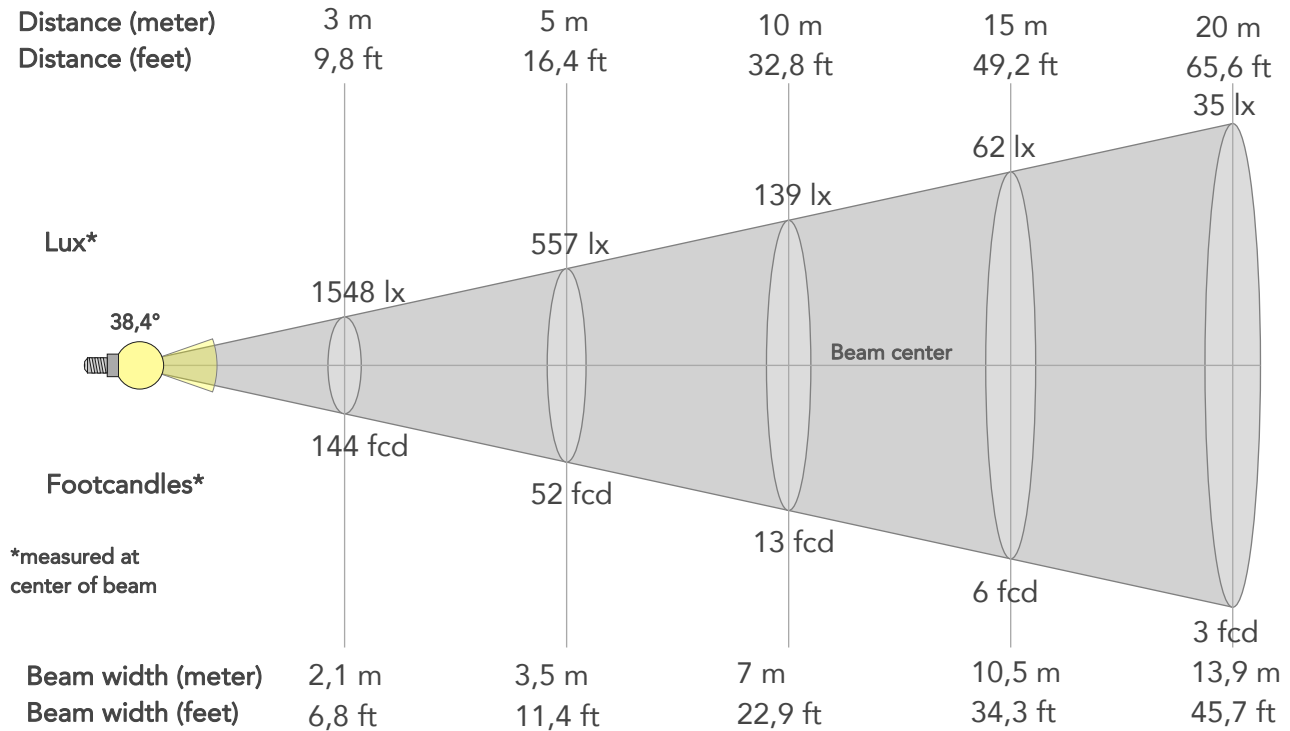
Spectra



BEAM DETAILS



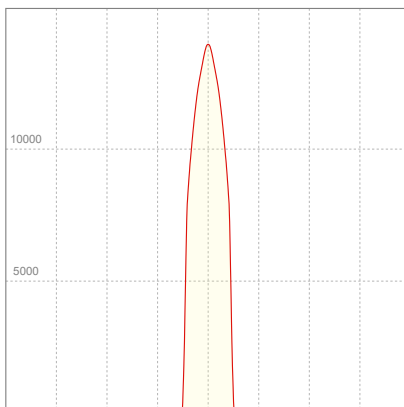
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38,4°	44,1°	45,7°	100,0%	100,0%



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	13934lx	3483lx	1548lx	871lx	557lx	248lx	139lx	62lx	35lx	22lx	15lx	9lx	6lx
Footcand.	1295fcd	324fcd	144fcd	81fcd	52fcd	23fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	1fcd
Beam wid.	0,7m	1,4m	2,1m	2,8m	3,5m	5,2m	7m	10,5m	13,9m	17,4m	20,9m	27,9m	34,9m
Beam wid.	2,3ft	4,6ft	6,8ft	9,1ft	11,4ft	17,2ft	22,9ft	34,3ft	45,7ft	57,2ft	68,6ft	91,5ft	114,3ft

LINEAR DISTRIBUTION DIAGRAM

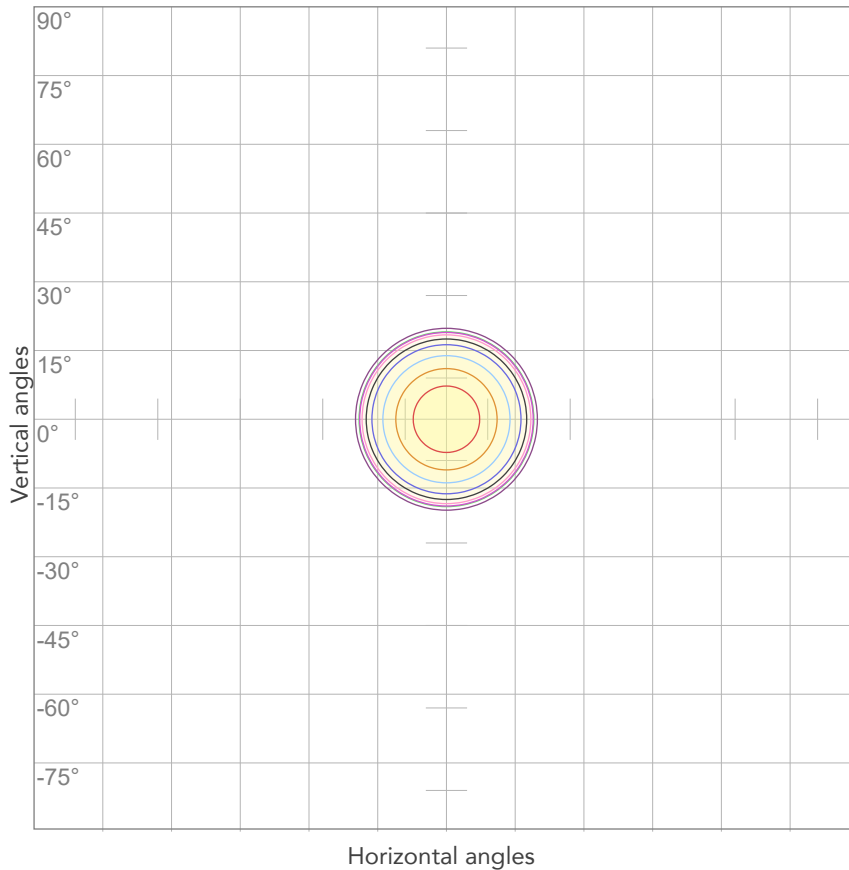


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,431A	86,1W	48lm/W

Power FC
0,88

ISO CANDELA DIAGRAM



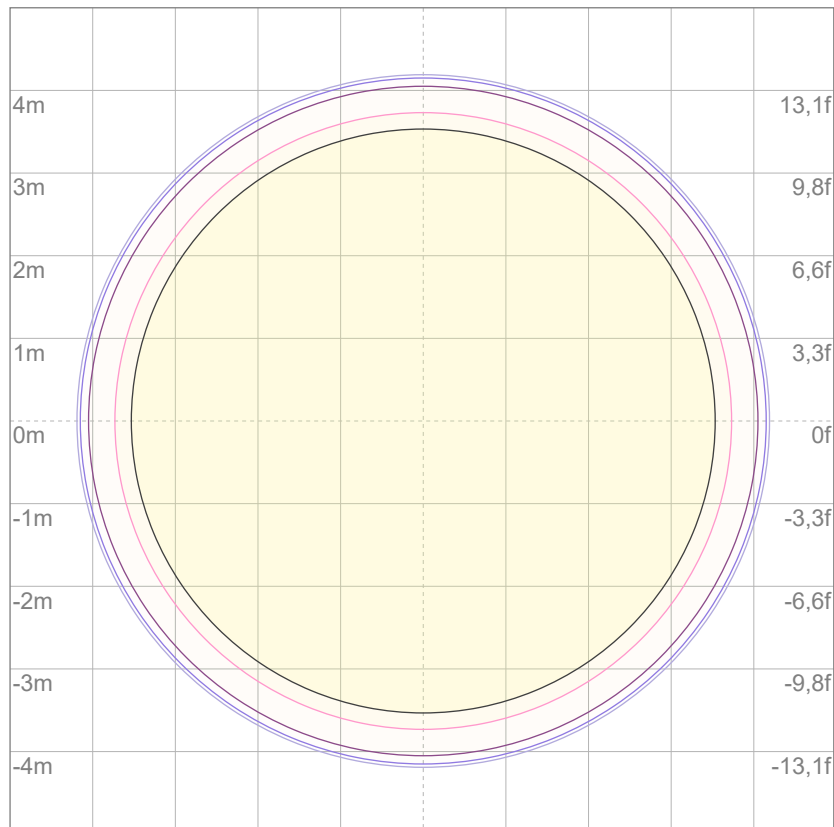
10%	1393 cd
20%	2787 cd
30%	4180 cd
40%	5574 cd
50%	6967 cd
60%	8360 cd
70%	9754 cd
80%	11147 cd

Conditions:

Number of c-planes: 2

Candela at center: 13934 cd

ISO LUX DIAGRAM



3%	4,18 lx
5%	6,97 lx
10%	13,9 lx
30%	41,8 lx
50%	69,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 139 lx

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



Total lumen output:

3893 lm

Peak candela output:

38021 cd

PRODUCT NAME:

ECLFS

MEASURAMENT CONDITIONS:

Beam angle:

PRLZ2550 - Min Zoom

Target:

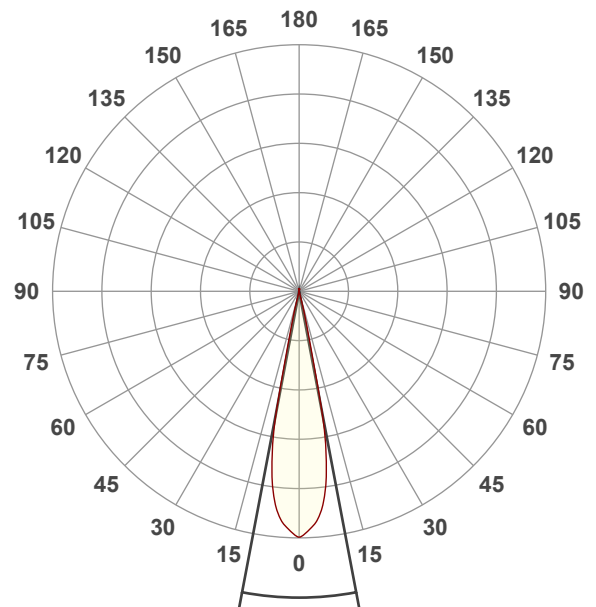
Lime

Operator:

Paolo Carvone

Date and time:

26/10/2022 13:21:44

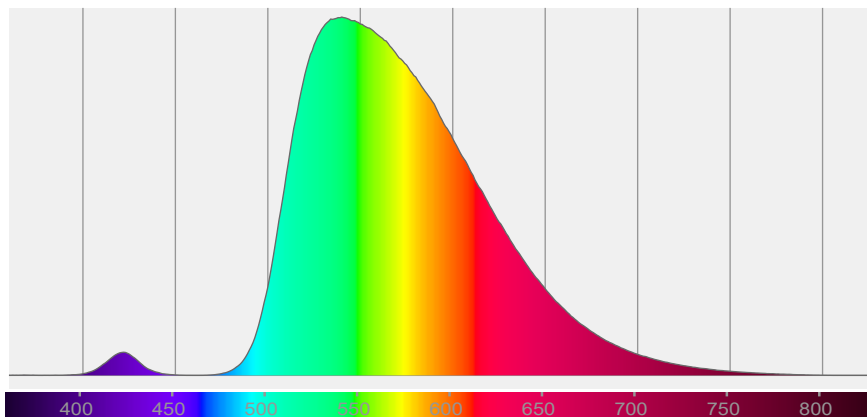


Beam angle 50%: 21,5°

Field angle 10%: 26,3°

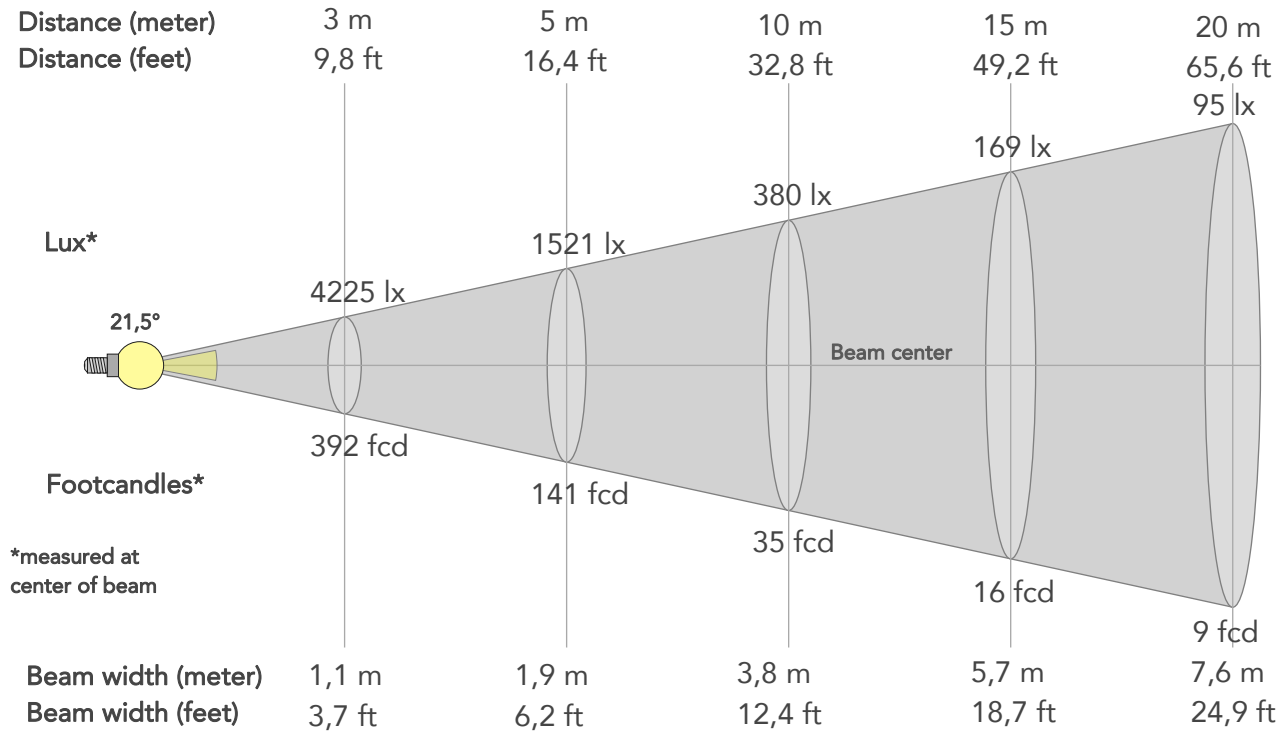
Cut off angle 2.5%: 28,4°

Spectra



BEAM DETAILS

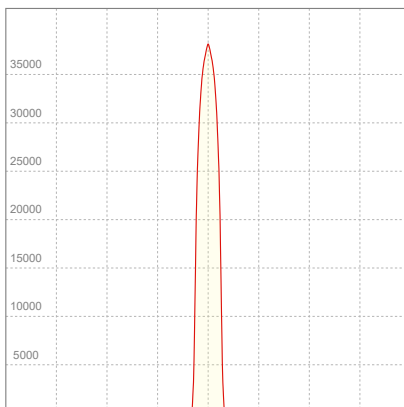
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,5°	26,3°	28,4°	100,0%	100,0%



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	38021lx	9505lx	4225lx	2376lx	1521lx	676lx	380lx	169lx	95lx	61lx	42lx	24lx	15lx
Footcand.	3532fcd	883fcd	392fcd	221fcd	141fcd	63fcd	35fcd	16fcd	9fcd	6fcd	4fcd	2fcd	1fcd
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	49,7ft	62,2ft

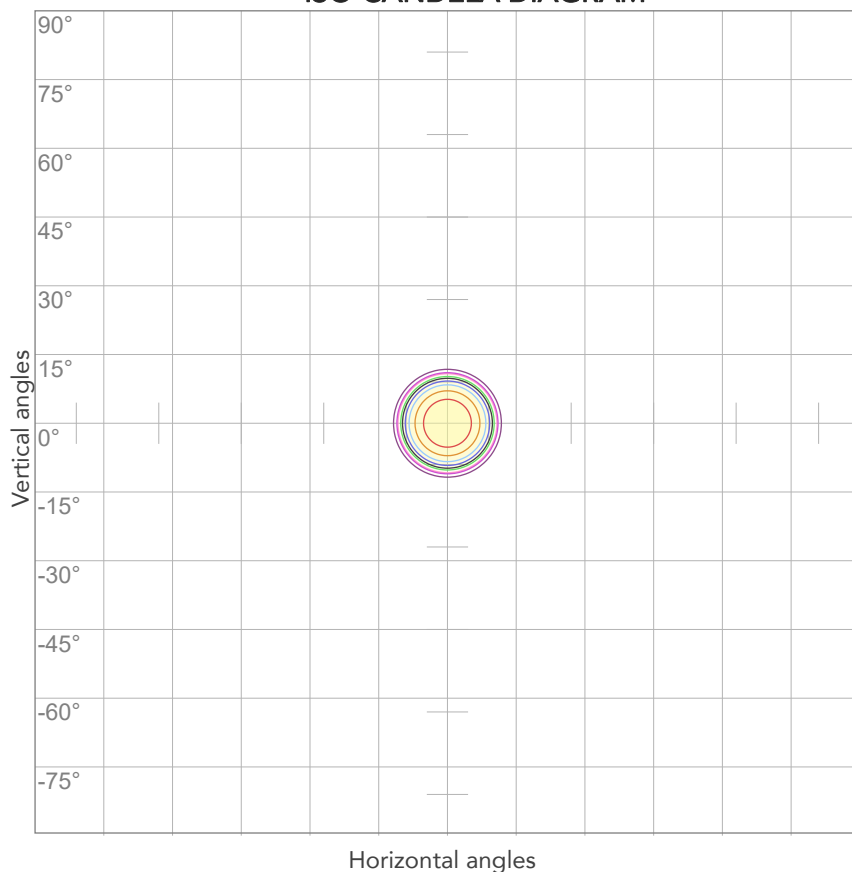
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,429A	86,0W	45lm/W
Power FC			
0,88			

ISO CANDELA DIAGRAM



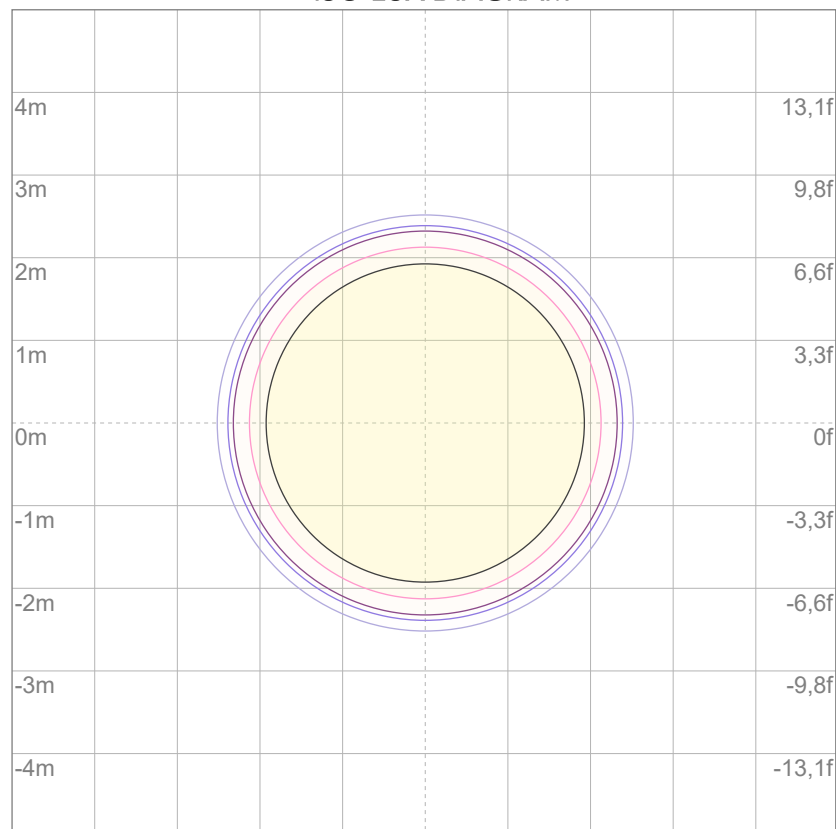
10%	3802 cd
20%	7604 cd
30%	11406 cd
40%	15208 cd
50%	19010 cd
60%	22812 cd
70%	26615 cd
80%	30417 cd

Conditions:

Number of c-planes: 2

Candela at center: 38021 cd

ISO LUX DIAGRAM



3%	11,4 lx
5%	19,0 lx
10%	38,0 lx
30%	114 lx
50%	190 lx

Conditions:

Number of c-planes: 2

Lux at center: 380 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:

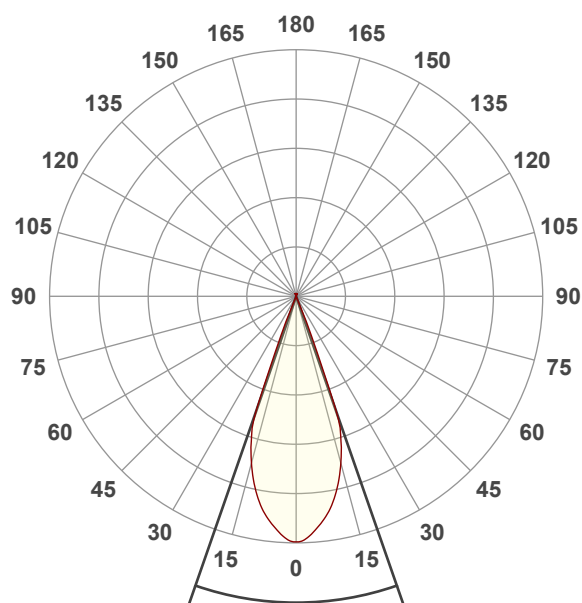
2800K

Operator:

Paolo Carvone

Date and time:

26/10/2022 14:40:30

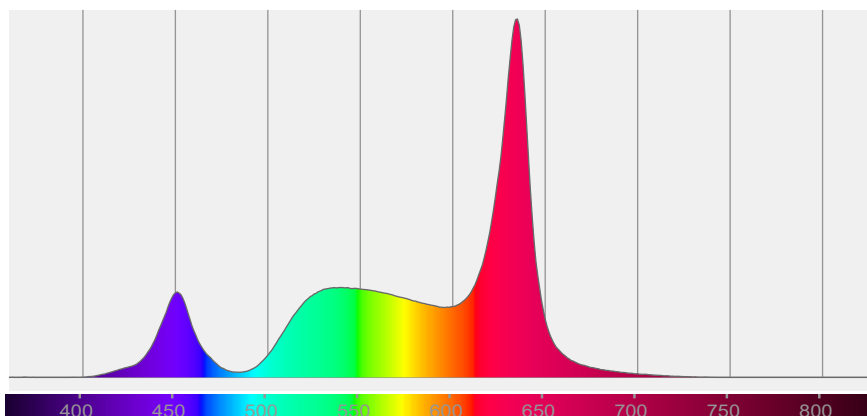


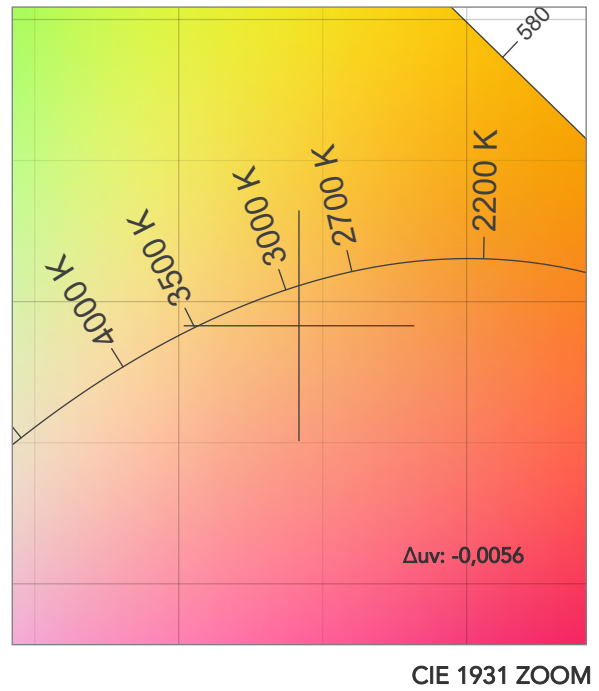
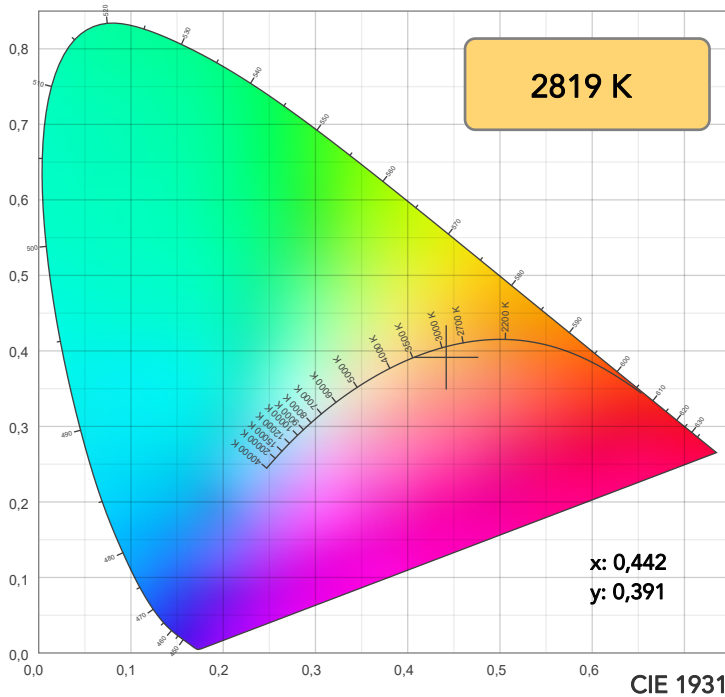
Beam angle 50%: 38,4°

Field angle 10%: 44°

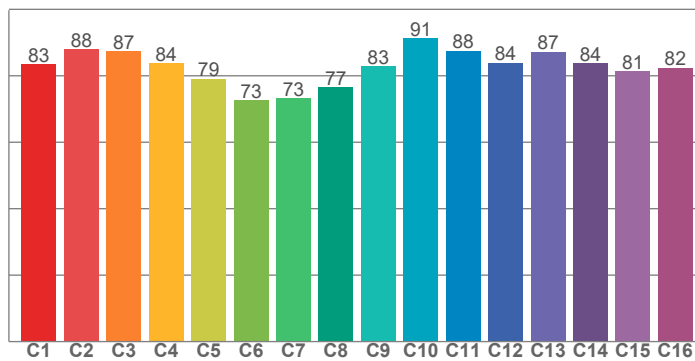
Cut off angle 2.5%: 45,7°

Spectra

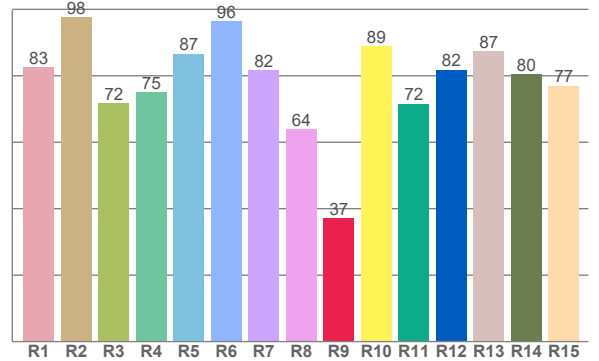




TM30: 83,4



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

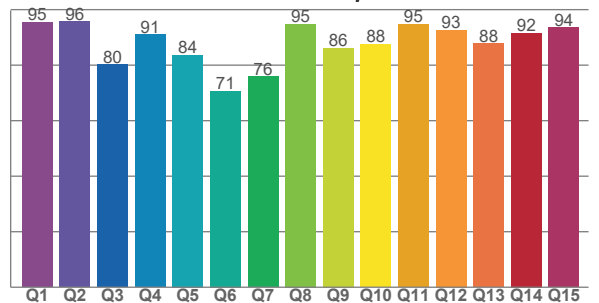
TM30 C values, 16 binned values out of total of 99 C values

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

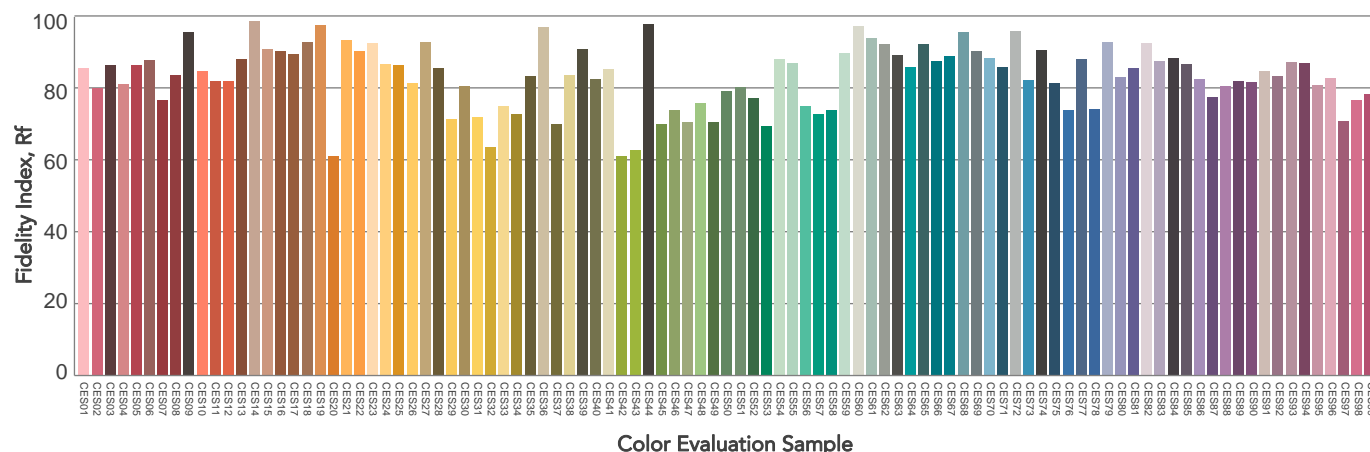
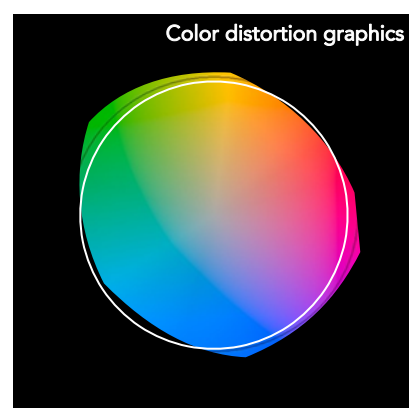
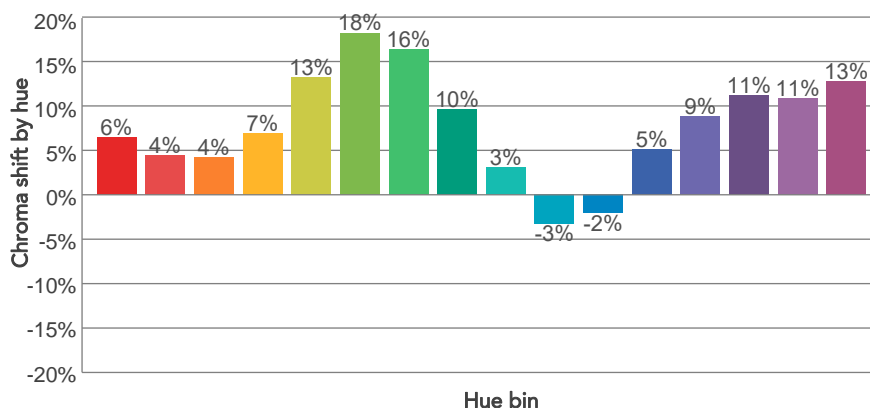
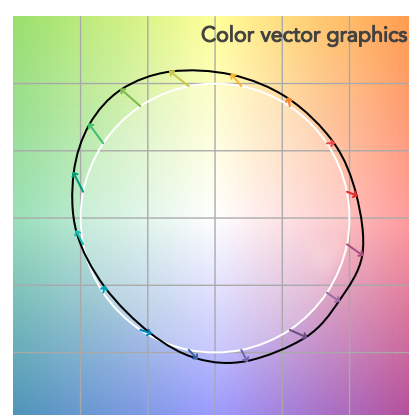
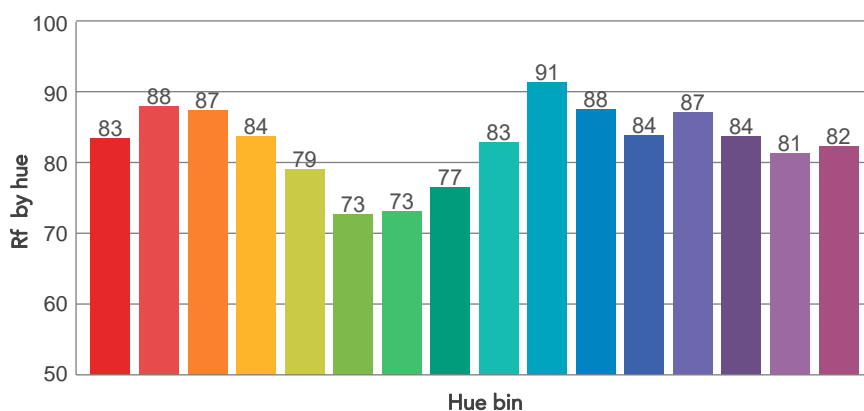
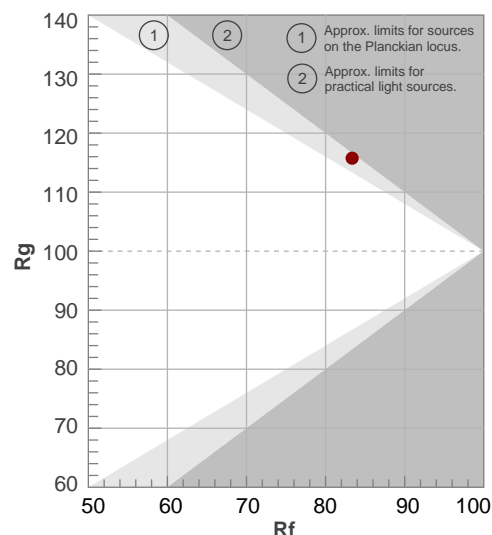
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2819 K	82,0	37,1	83,4	115,8	85,7	63	0,442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

TM30 DETAILS

Rf 83,4
Fidelity index Rf

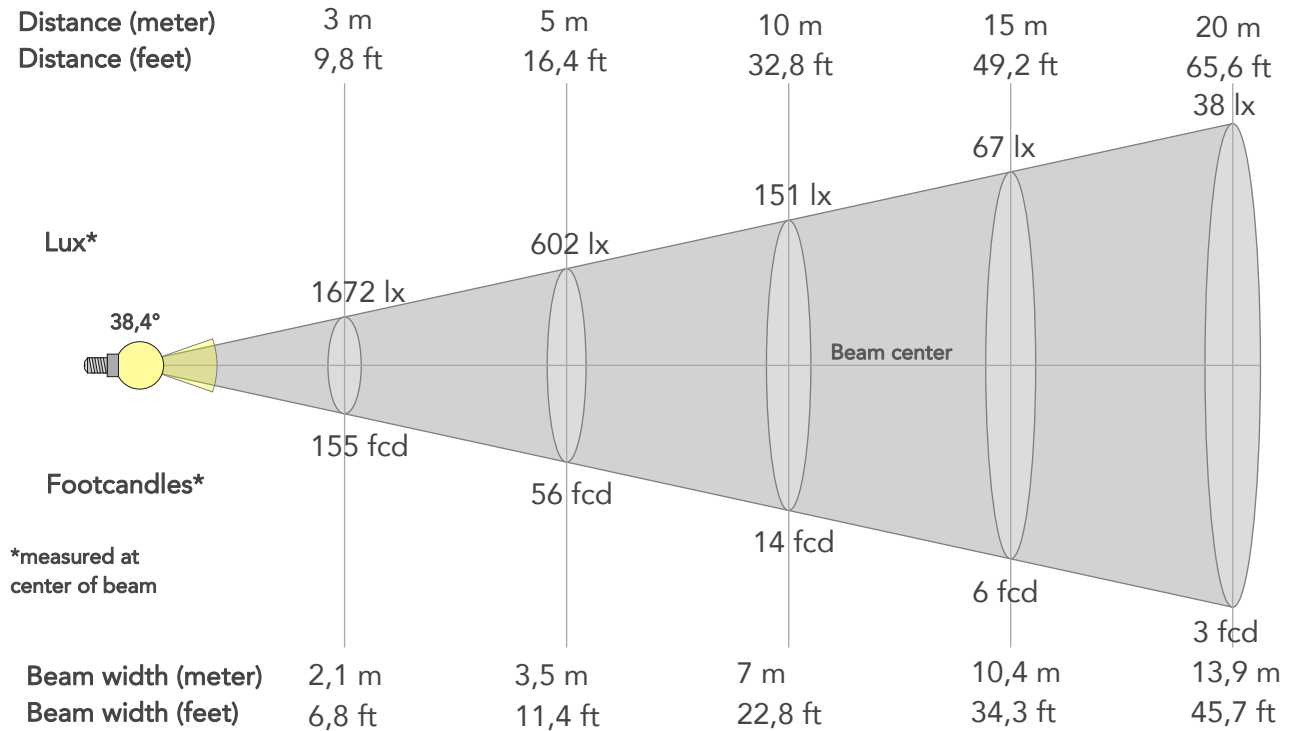
Rg 115,8
Gammut index

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

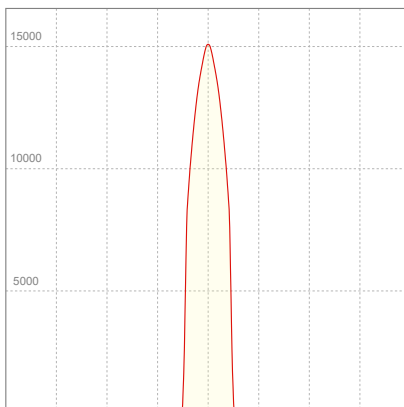
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38,4°	44°	45,7°	100,0%	100,0%



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

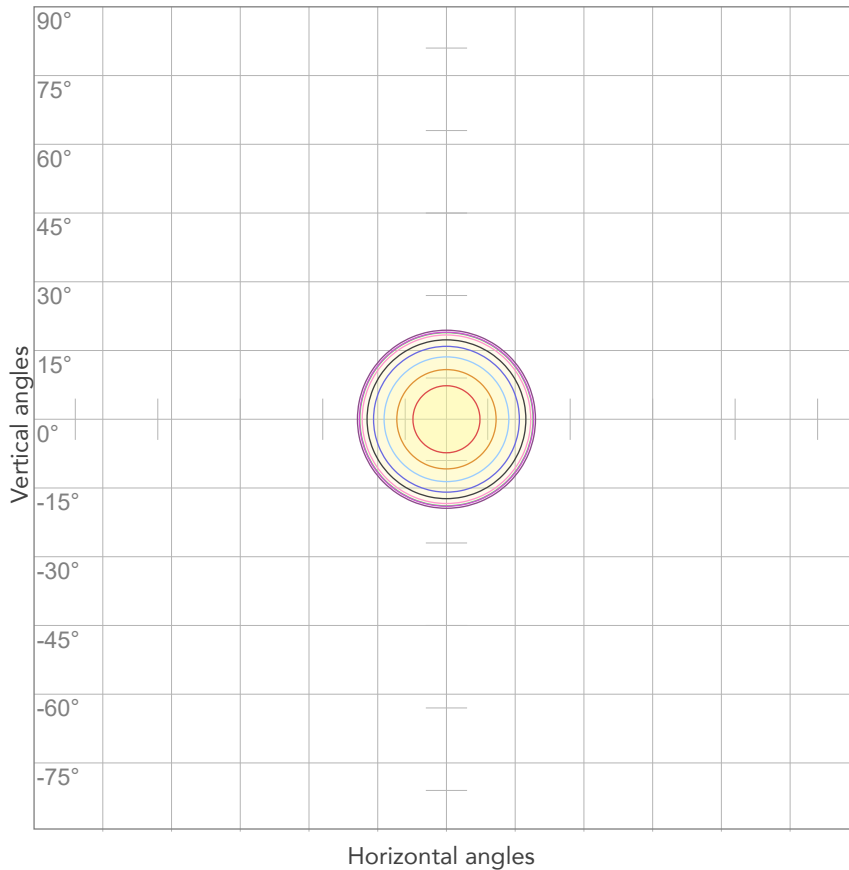
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

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

ISO CANDELA DIAGRAM



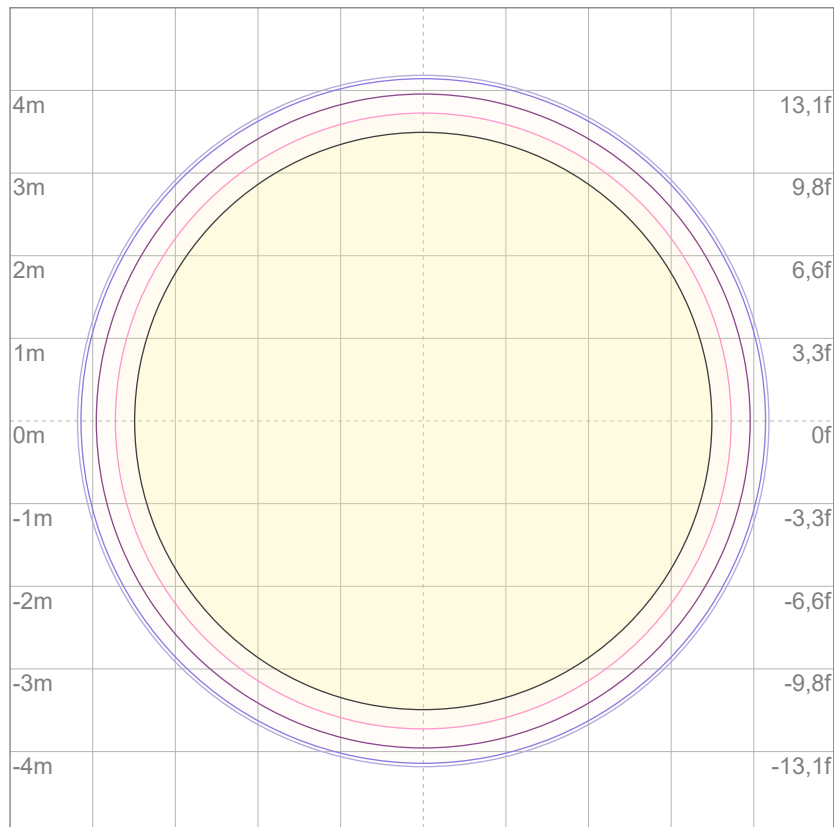
10%	1505 cd
20%	3010 cd
30%	4516 cd
40%	6021 cd
50%	7526 cd
60%	9031 cd
70%	10536 cd
80%	12041 cd

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:

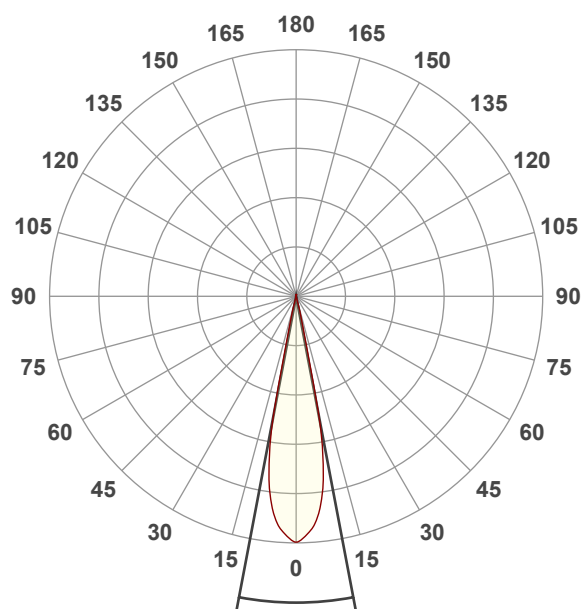
2800K

Operator:

Paolo Carvone

Date and time:

26/10/2022 13:24:54

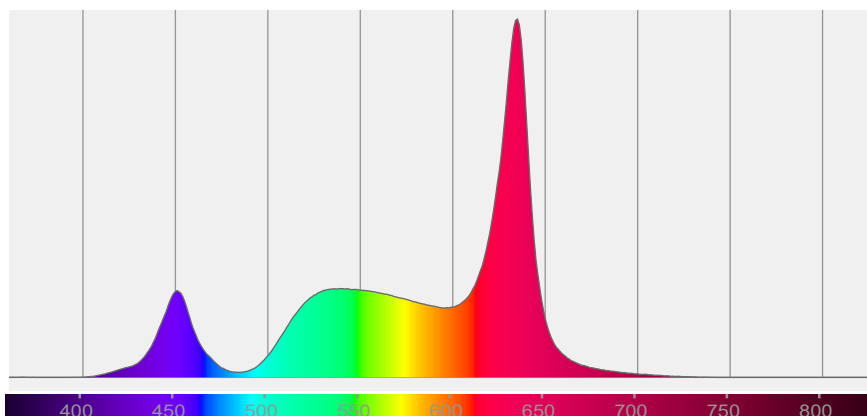


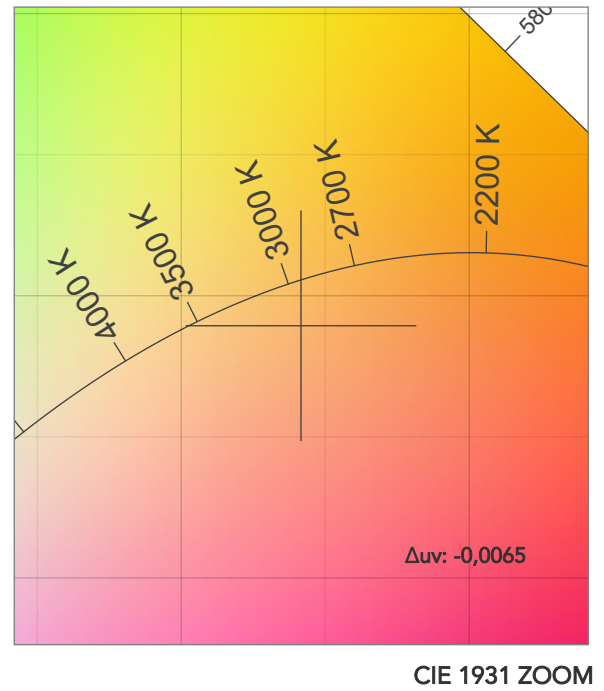
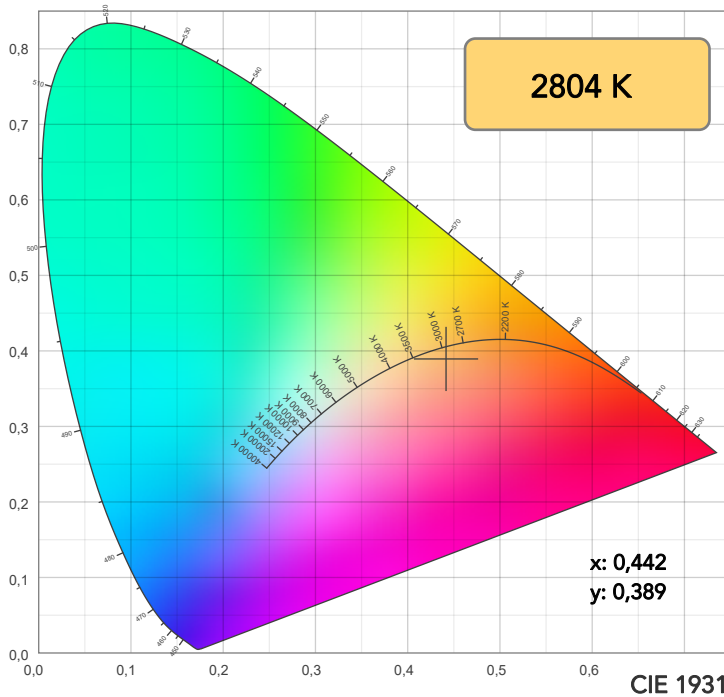
Beam angle 50%: 21,5°

Field angle 10%: 25,8°

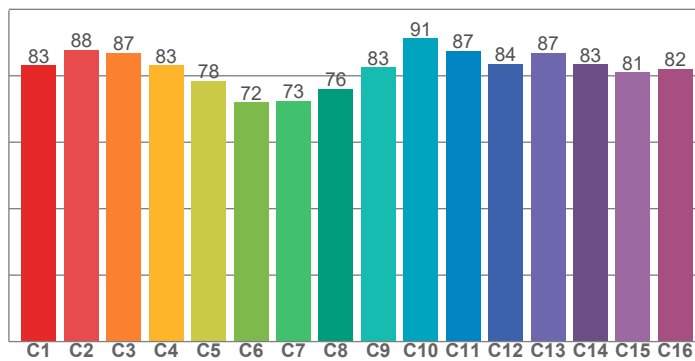
Cut off angle 2.5%: 28,4°

Spectra

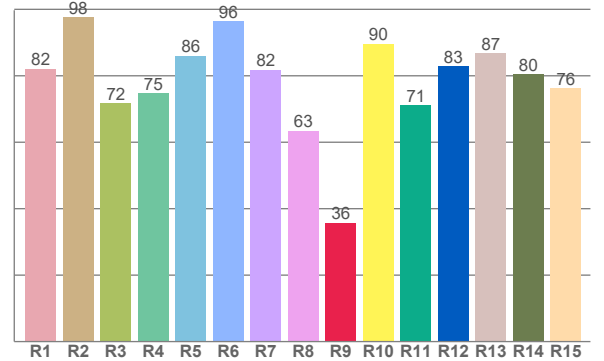




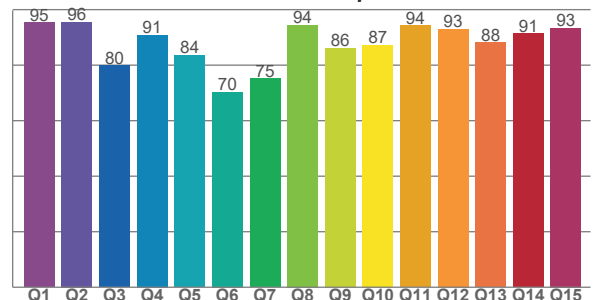
TM30: 83,0



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

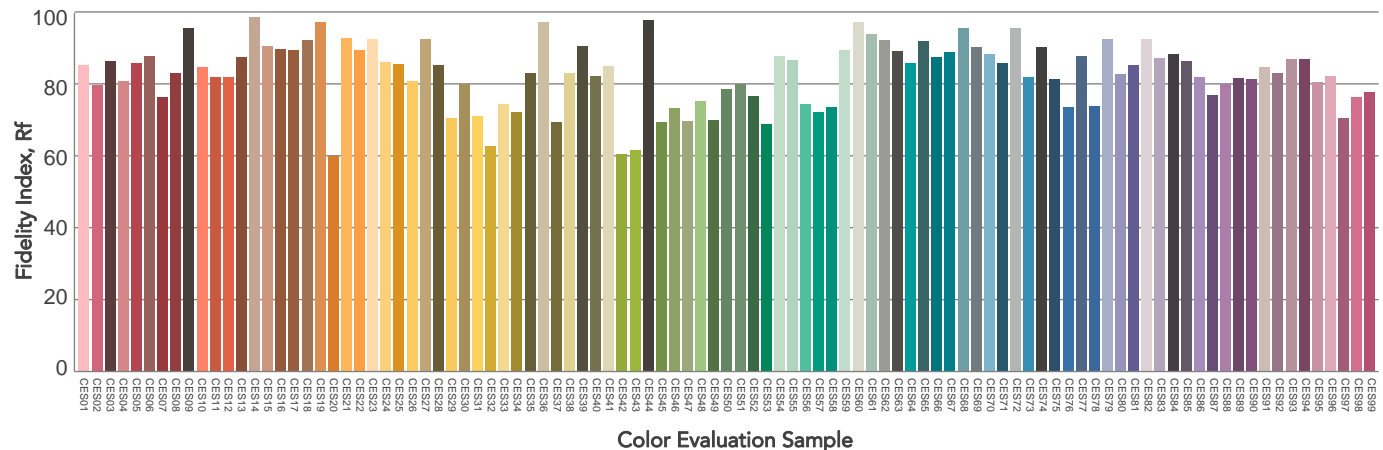
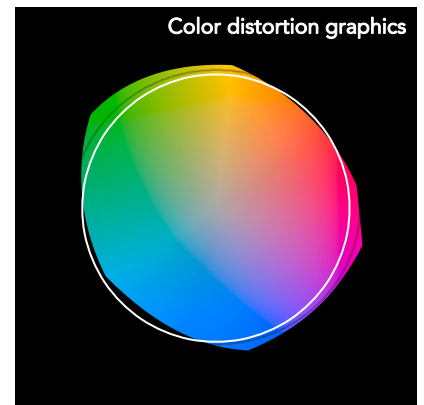
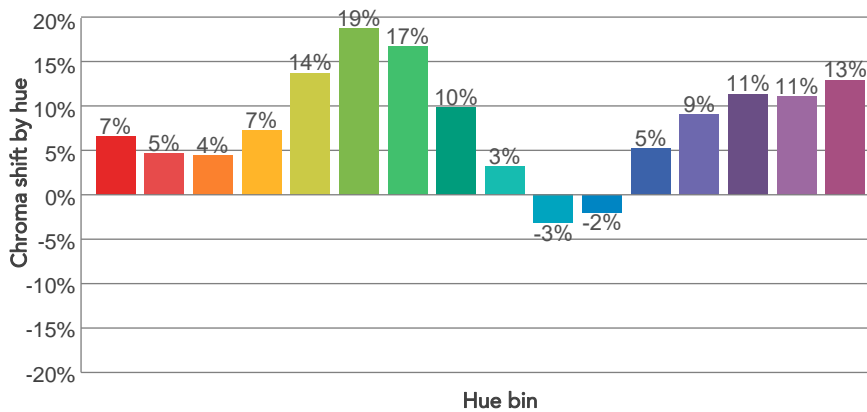
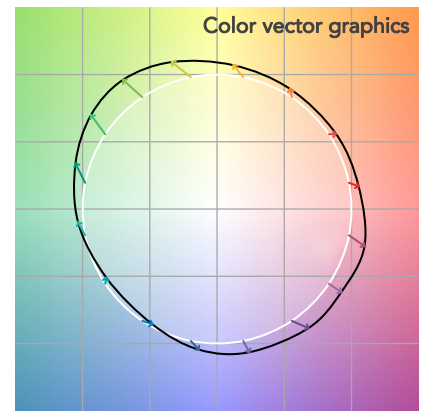
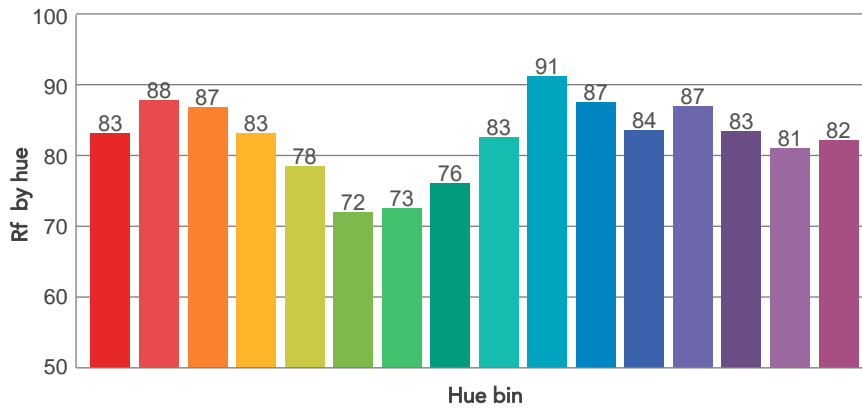
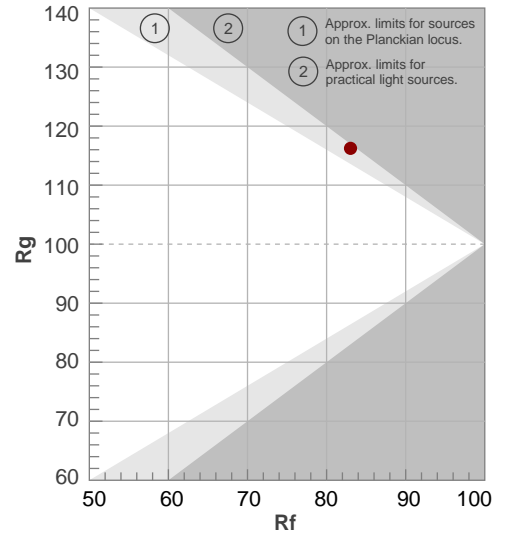
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2804 K	81,7	35,8	83,0	116,2	85,5	62	0,442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

TM30 DETAILS

Rf 83,0
Fidelity index Rf

Rg 116,2
Gammut index

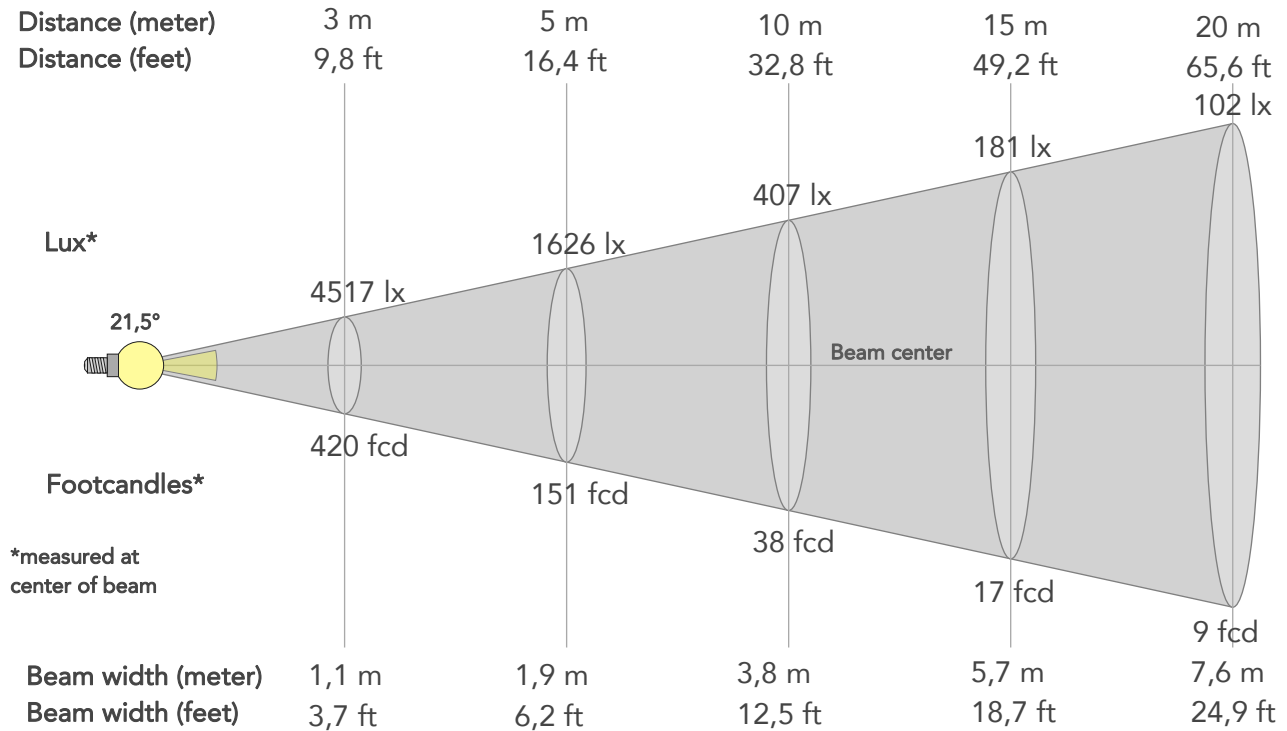
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	83	7%	-4%
2	88	5%	-3%
3	87	4%	4%
4	83	7%	9%
5	78	14%	12%
6	72	19%	5%
7	73	17%	-6%
8	76	10%	-13%
9	83	3%	-10%
10	91	-3%	-3%
11	87	-2%	8%
12	84	5%	7%
13	87	9%	3%
14	83	11%	7%
15	81	11%	0%
16	82	13%	-6%



BEAM DETAILS



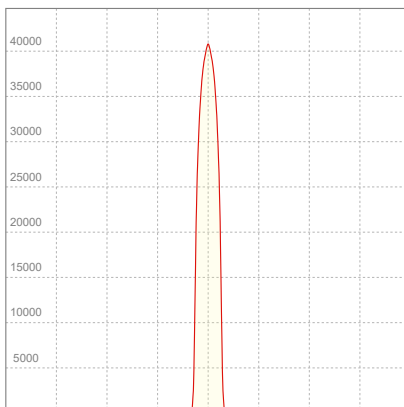
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,5°	25,8°	28,4°	100,0%	100,0%



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

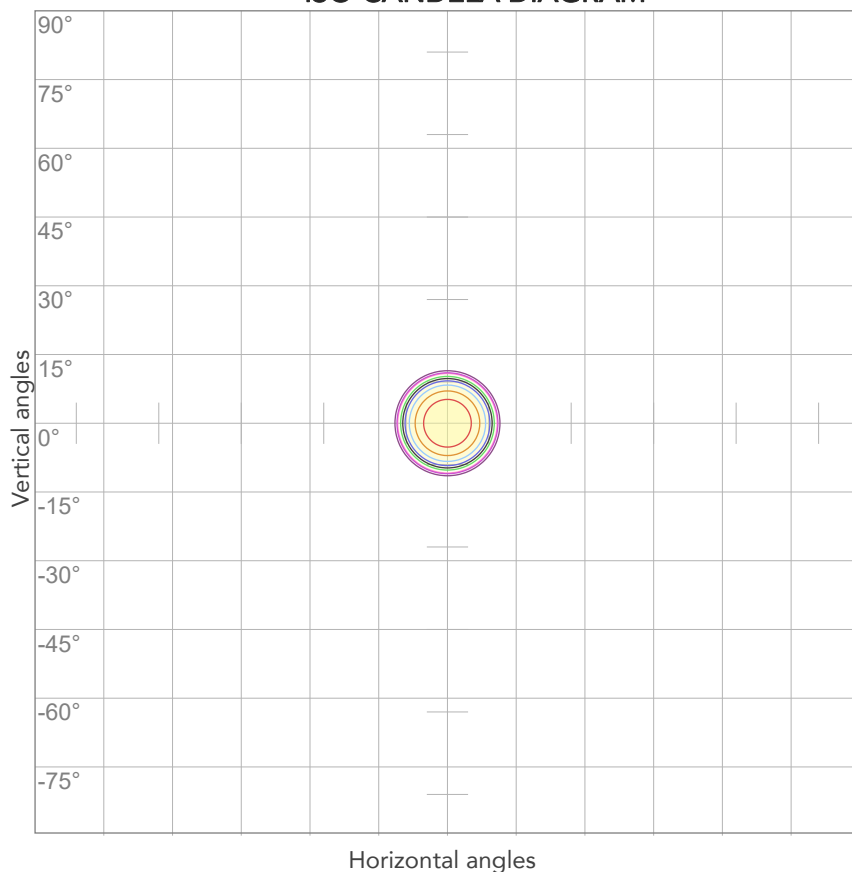
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

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

ISO CANDELA DIAGRAM



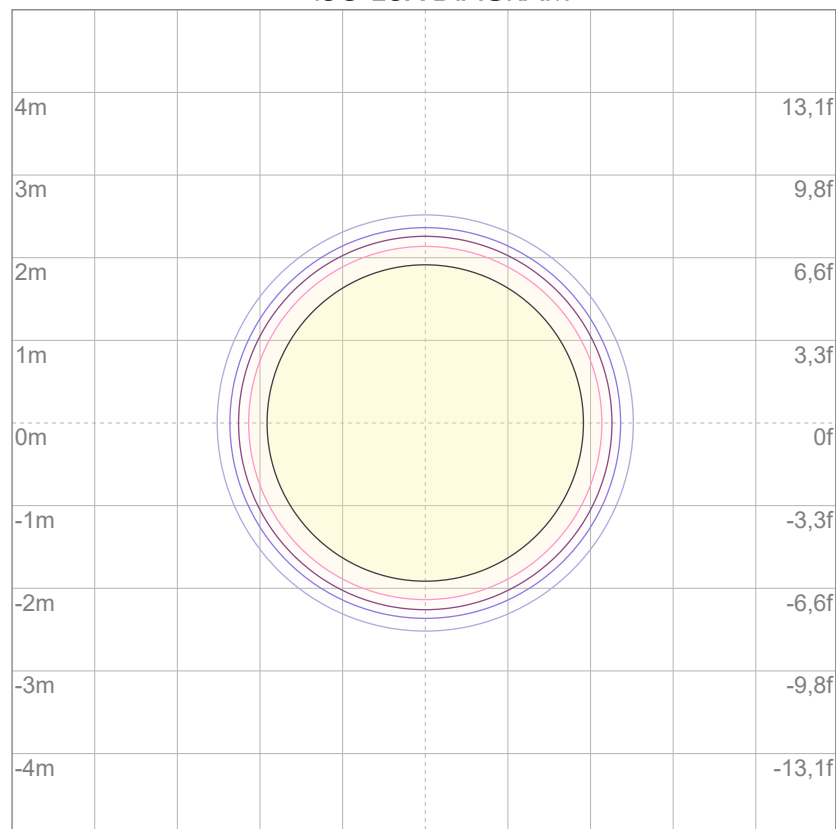
10%	4066 cd
20%	8131 cd
30%	12197 cd
40%	16263 cd
50%	20328 cd
60%	24394 cd
70%	28459 cd
80%	32525 cd

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:

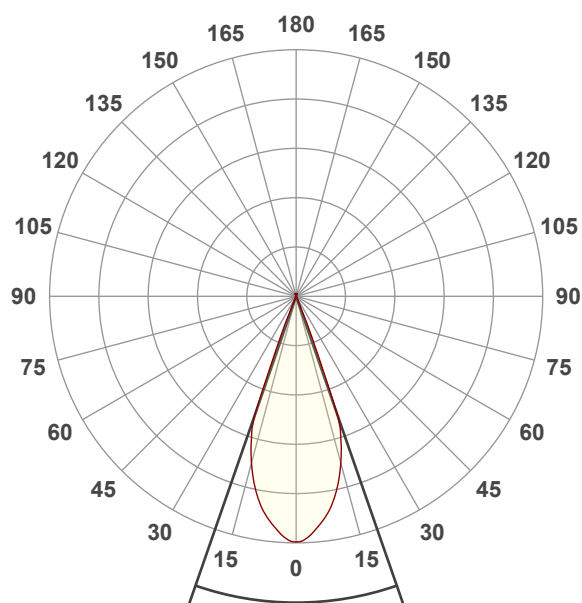
3200K

Operator:

Paolo Carvone

Date and time:

26/10/2022 14:39:03

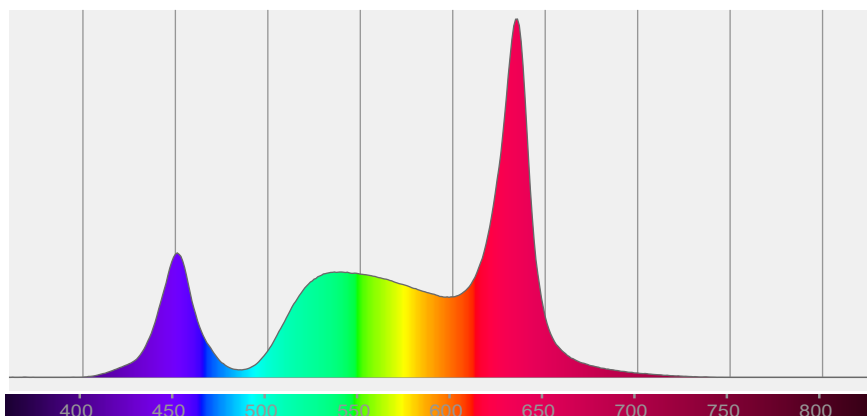


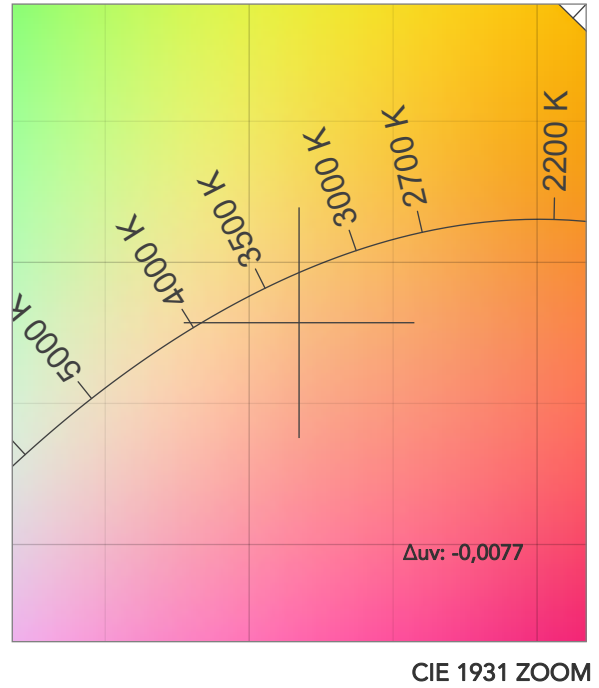
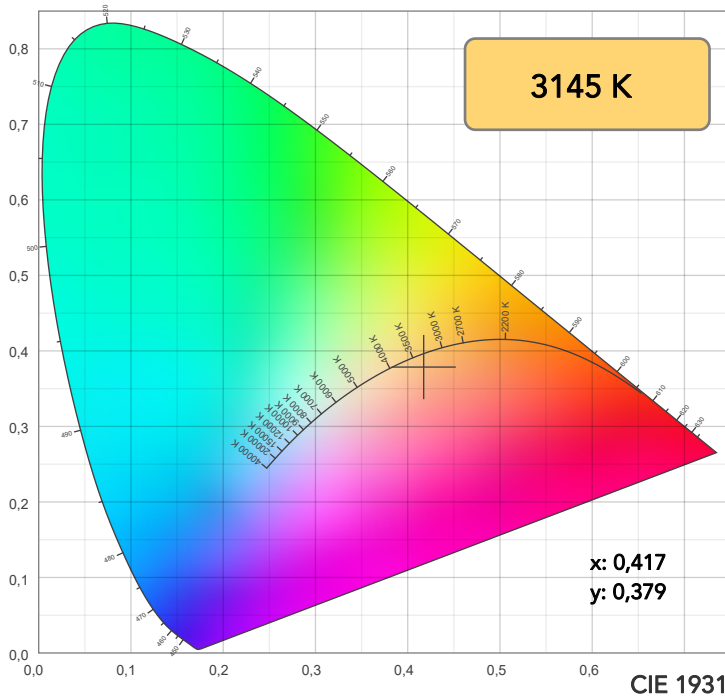
Beam angle 50%: 38,4°

Field angle 10%: 44°

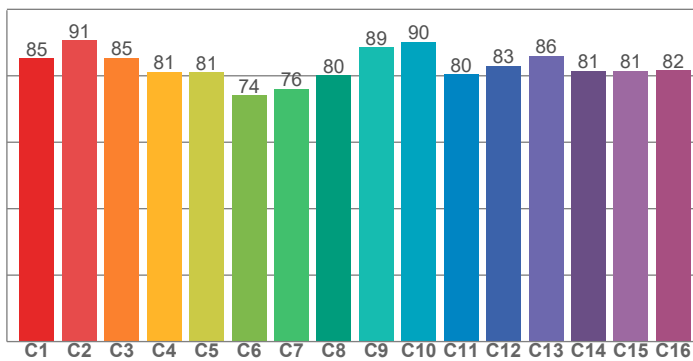
Cut off angle 2.5%: 45,7°

Spectra

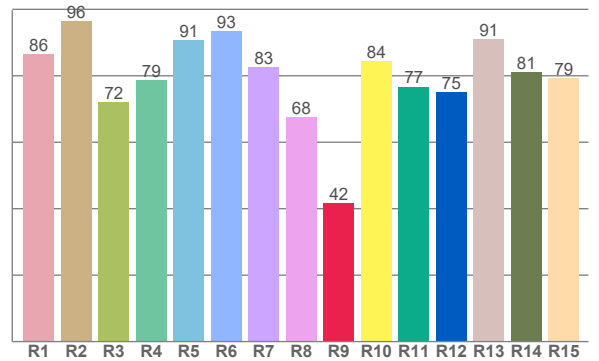




TM30: 83,4



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

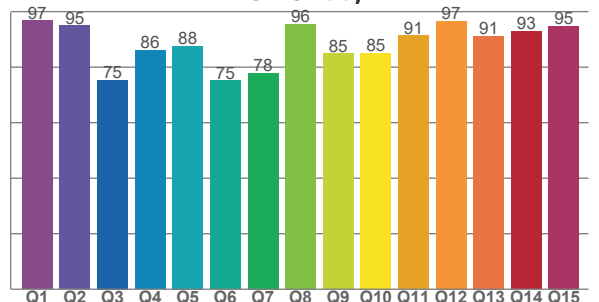
TM30 C values, 16 binned values out of total of 99 C values

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

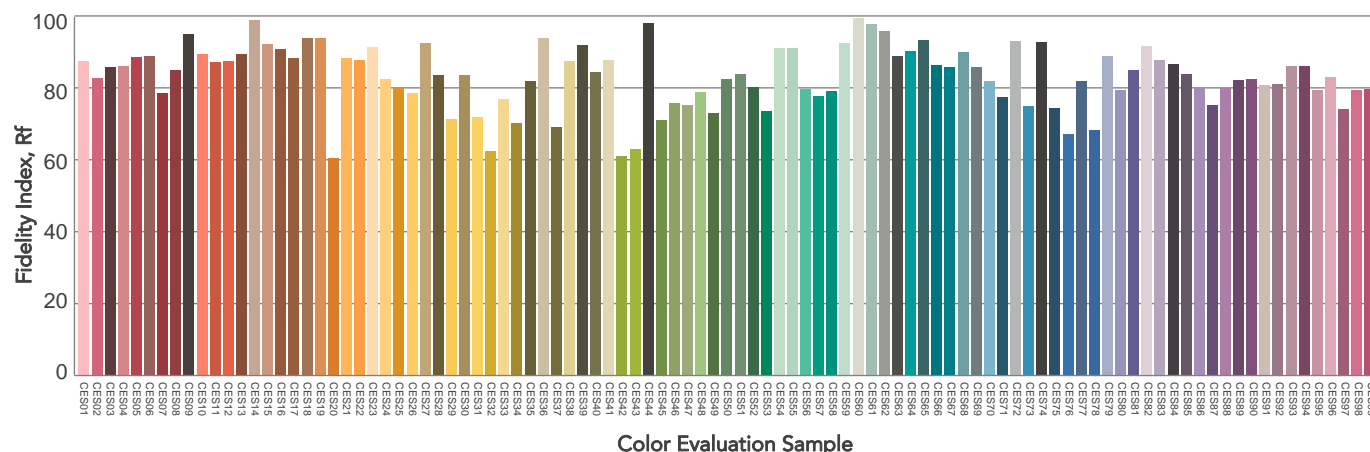
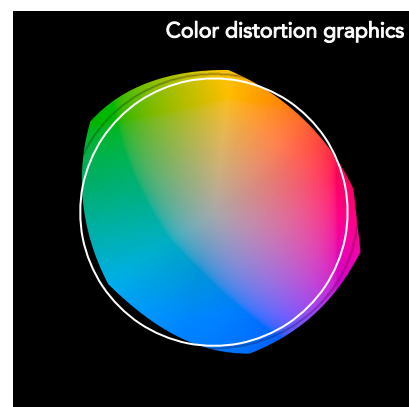
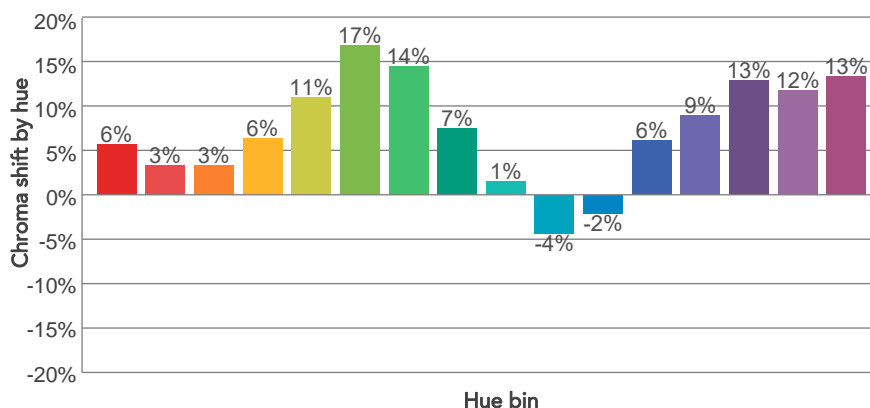
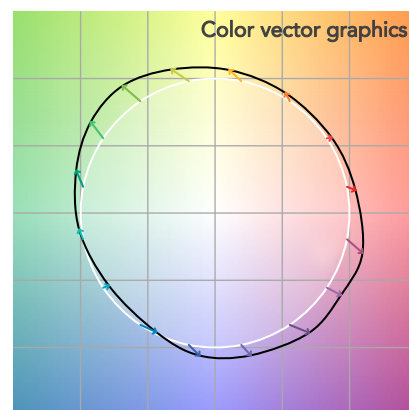
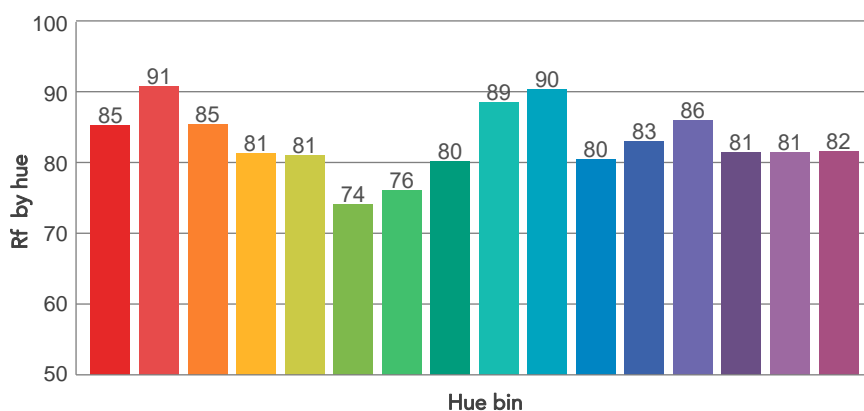
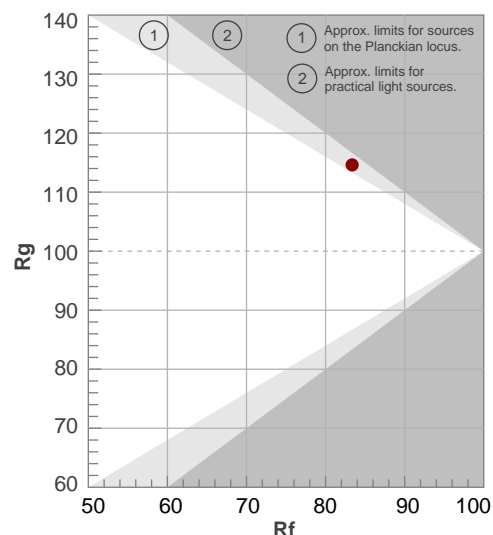
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3145 K	83,5	41,7	83,4	114,6	86,1	68	0,417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

TM30 DETAILS

Rf 83,4
Fidelity index Rf

Rg 114,6
Gammut index

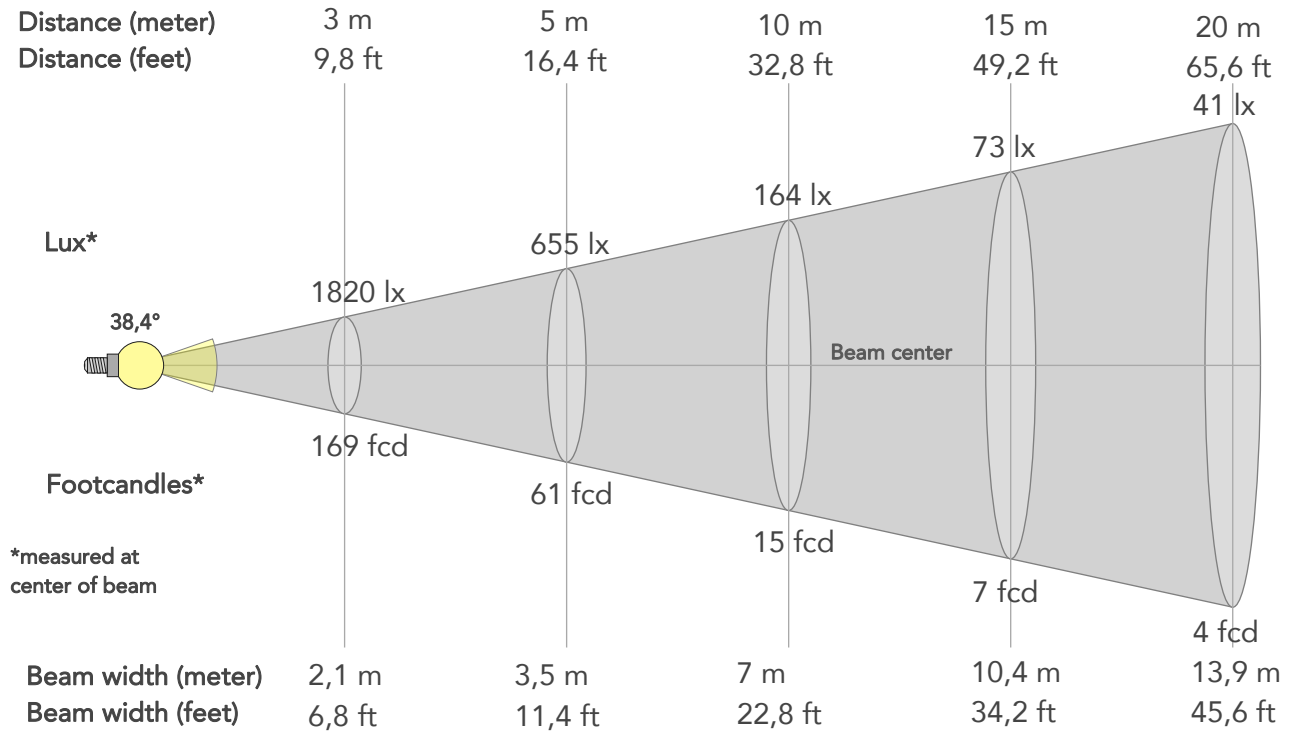
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	85	6%	-4%
2	91	3%	-2%
3	85	3%	6%
4	81	6%	10%
5	81	11%	11%
6	74	17%	5%
7	76	14%	-5%
8	80	7%	-11%
9	89	1%	-8%
10	90	-4%	1%
11	80	-2%	13%
12	83	6%	9%
13	86	9%	5%
14	81	13%	9%
15	81	12%	1%
16	82	13%	-8%



BEAM DETAILS



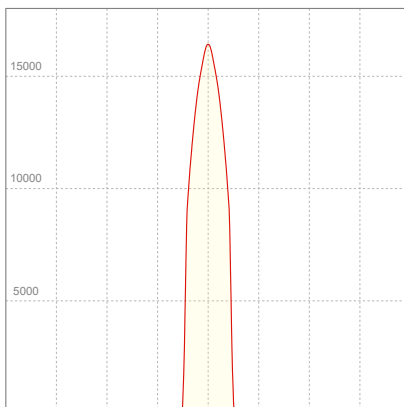
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38,4°	44°	45,7°	100,0%	100,0%



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

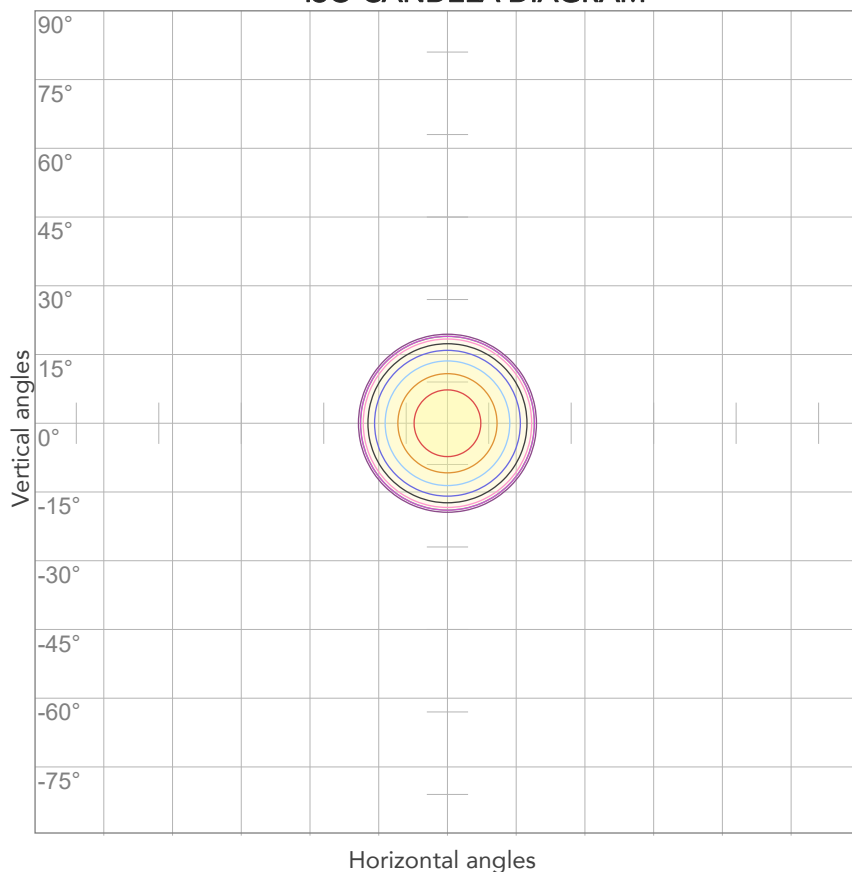
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

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

ISO CANDELA DIAGRAM



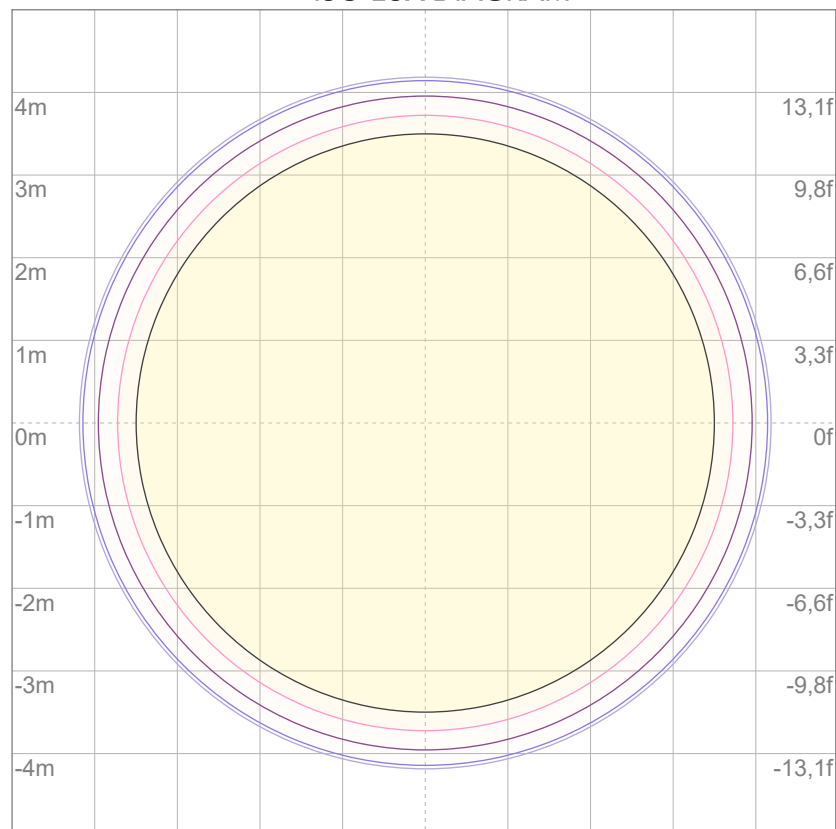
10%	1638 cd
20%	3277 cd
30%	4915 cd
40%	6553 cd
50%	8191 cd
60%	9830 cd
70%	11468 cd
80%	13106 cd

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:

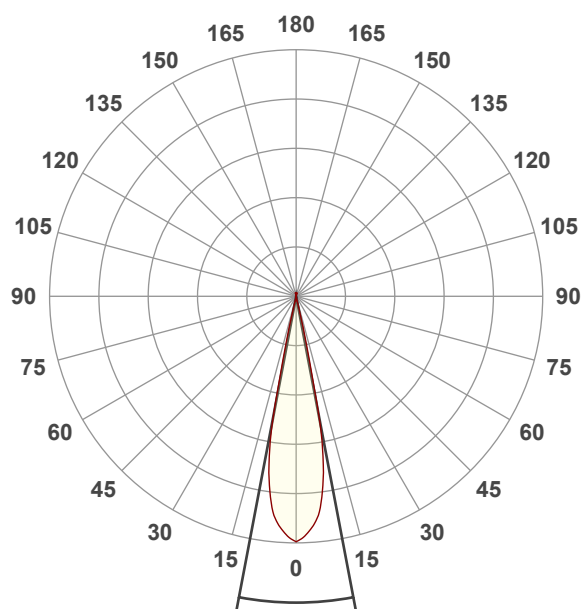
3200K

Operator:

Paolo Carvone

Date and time:

26/10/2022 13:27:35

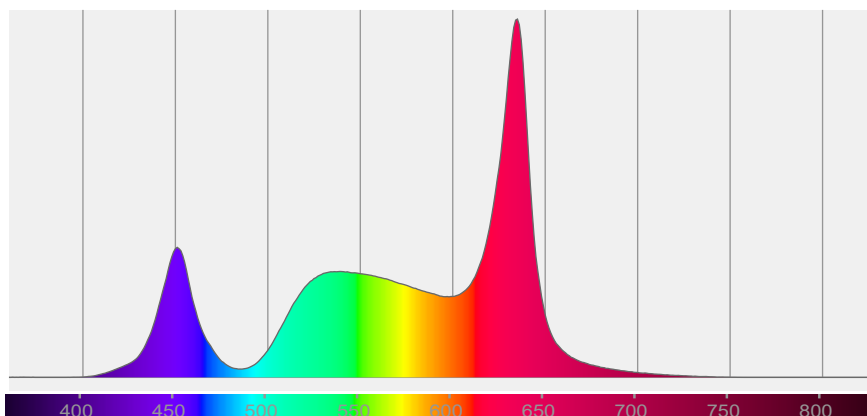


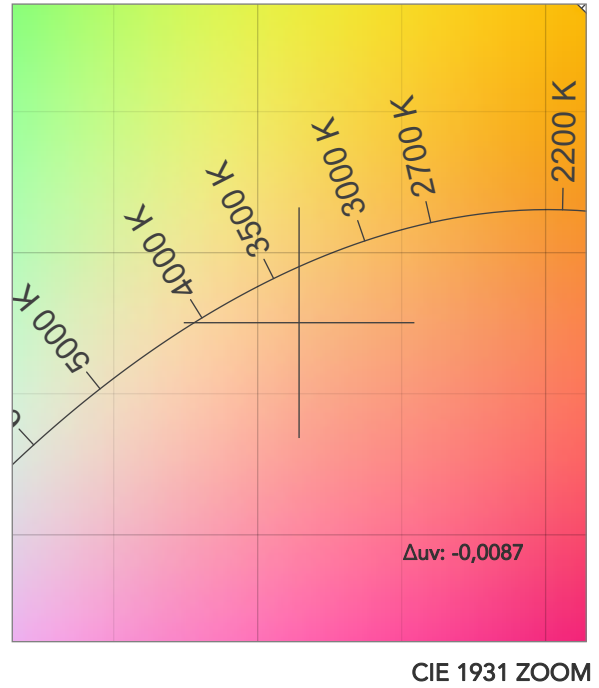
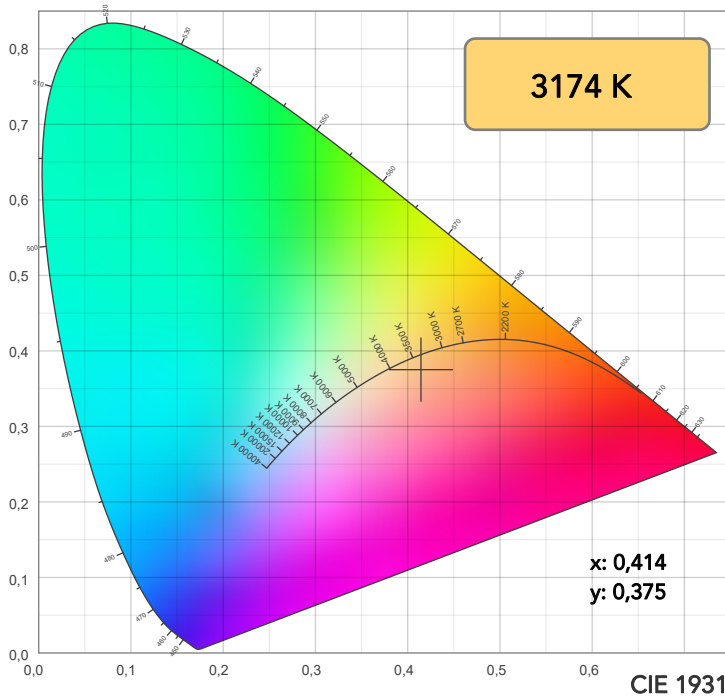
Beam angle 50%: 21,5°

Field angle 10%: 25,8°

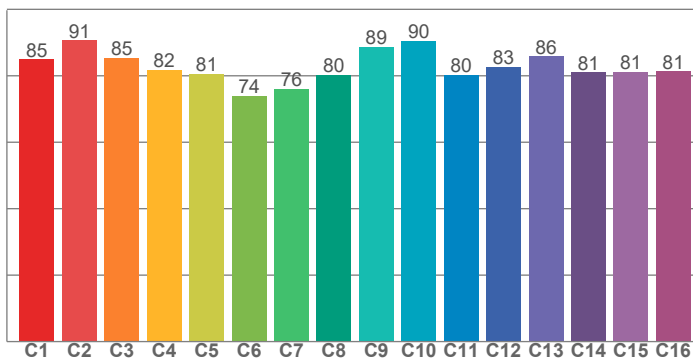
Cut off angle 2.5%: 26,9°

Spectra

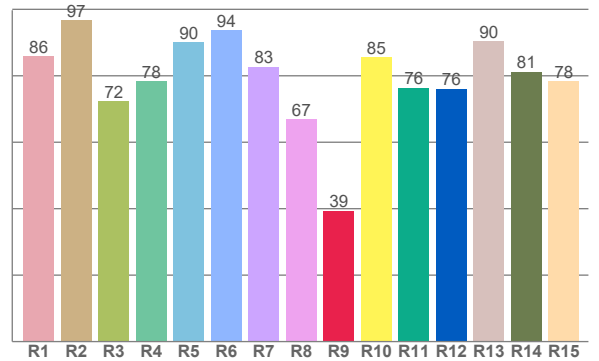




TM30: 83,3



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

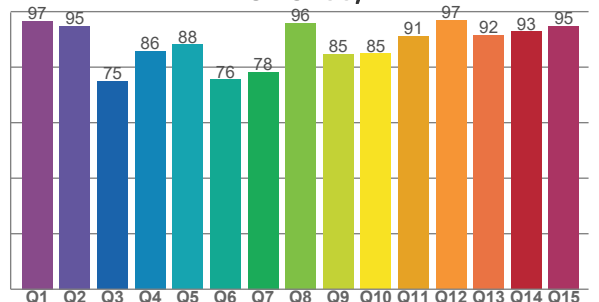
TM30 C values, 16 binned values out of total of 99 C values

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

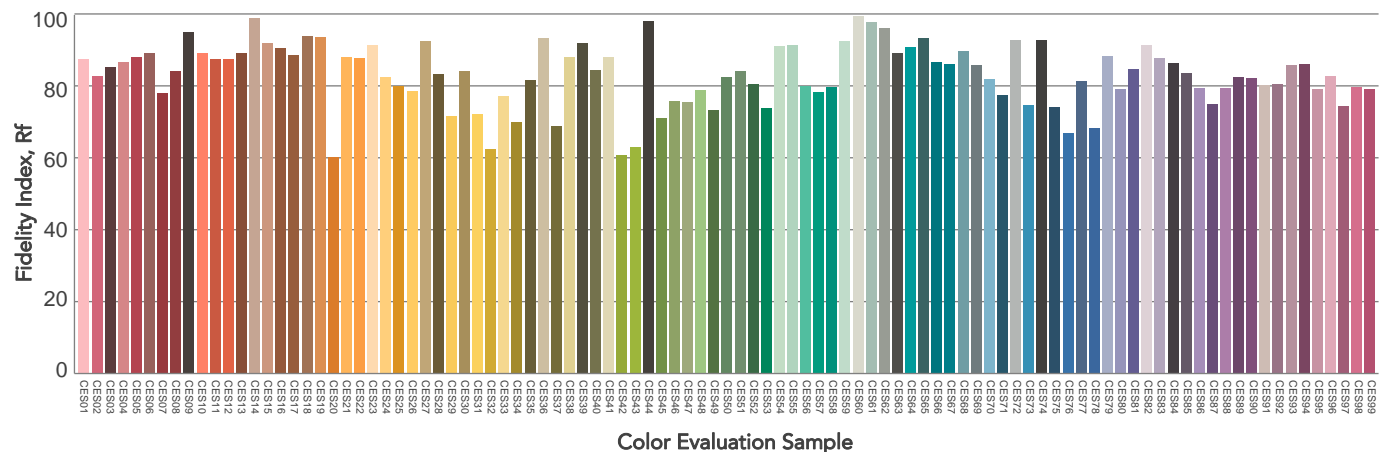
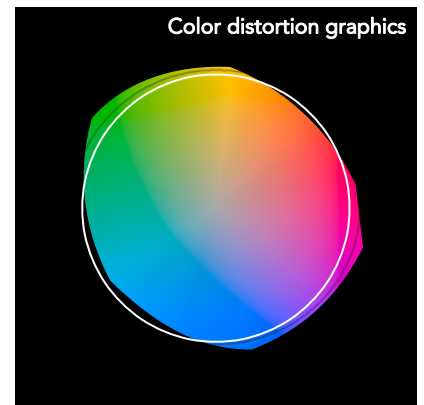
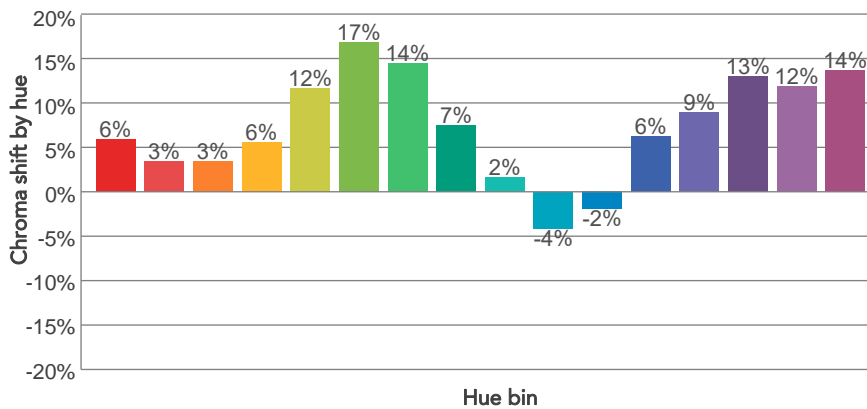
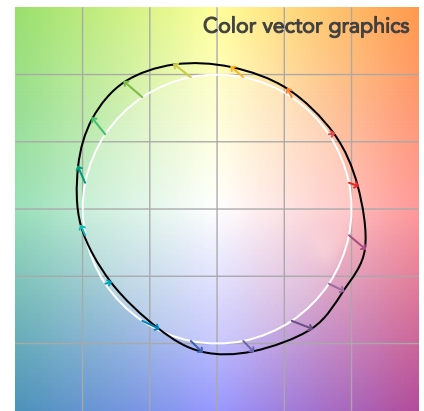
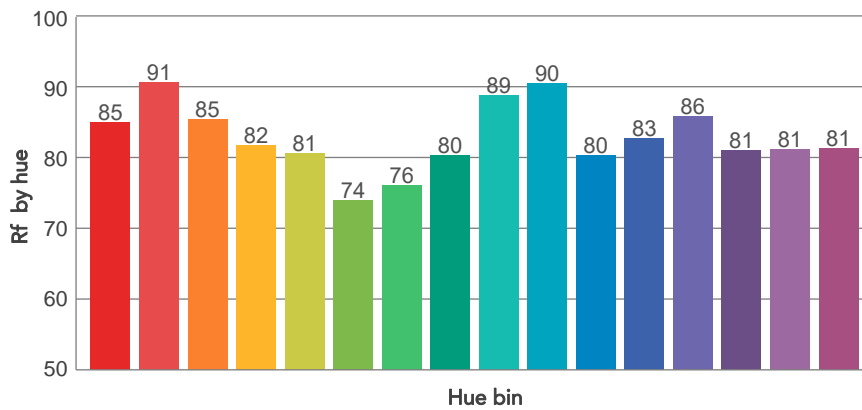
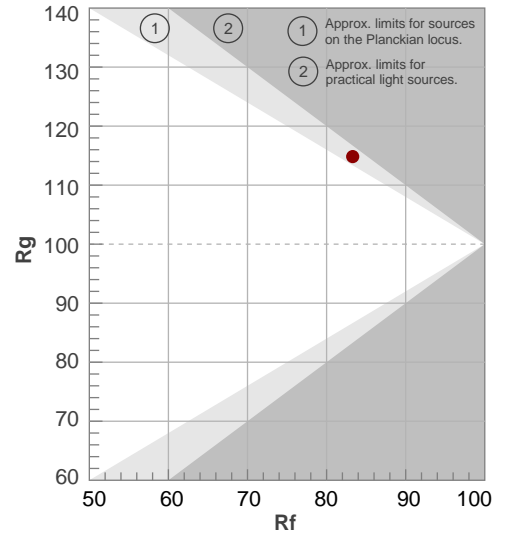
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3174 K	83,3	39,3	83,3	114,8	86,1	68	0,414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

TM30 DETAILS

Rf 83,3
Fidelity index Rf

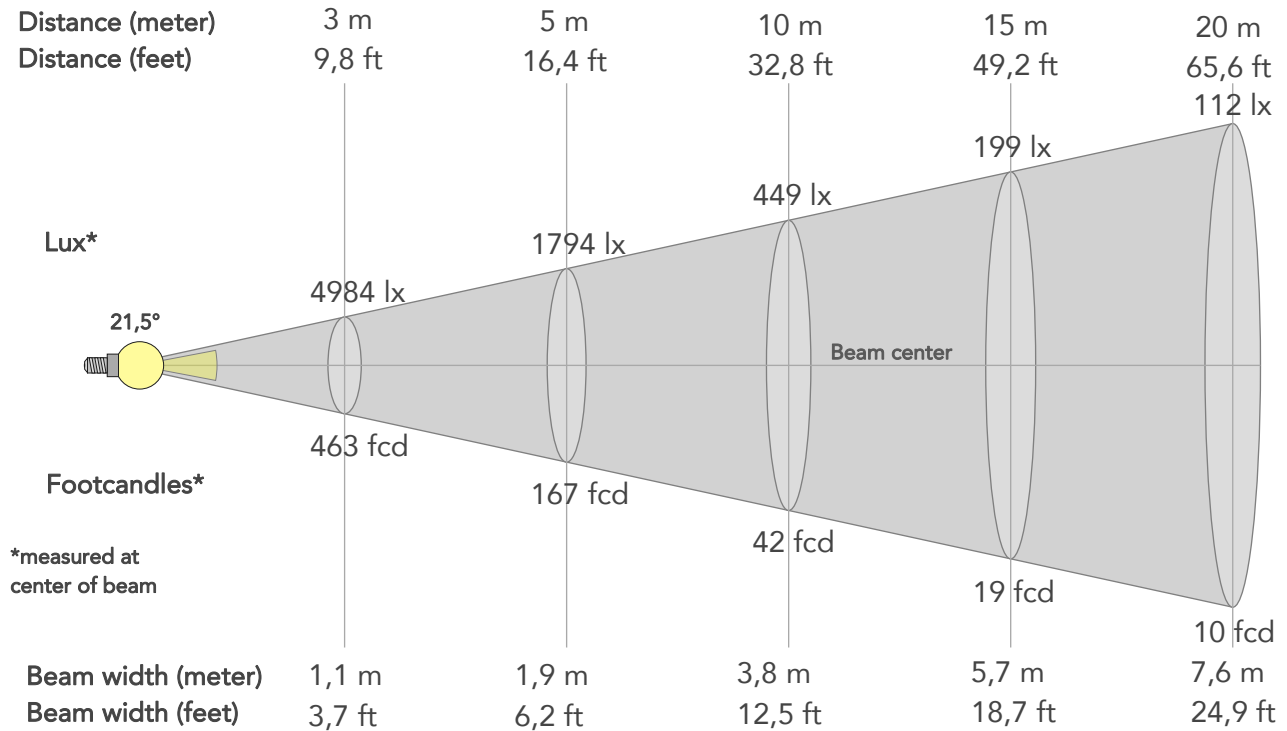
Rg 114,8
Gammut index

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

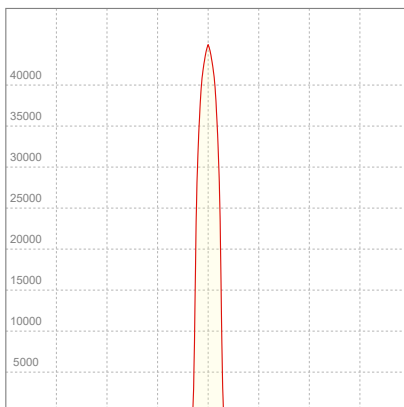
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,5°	25,8°	26,9°	100,0%	100,0%



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

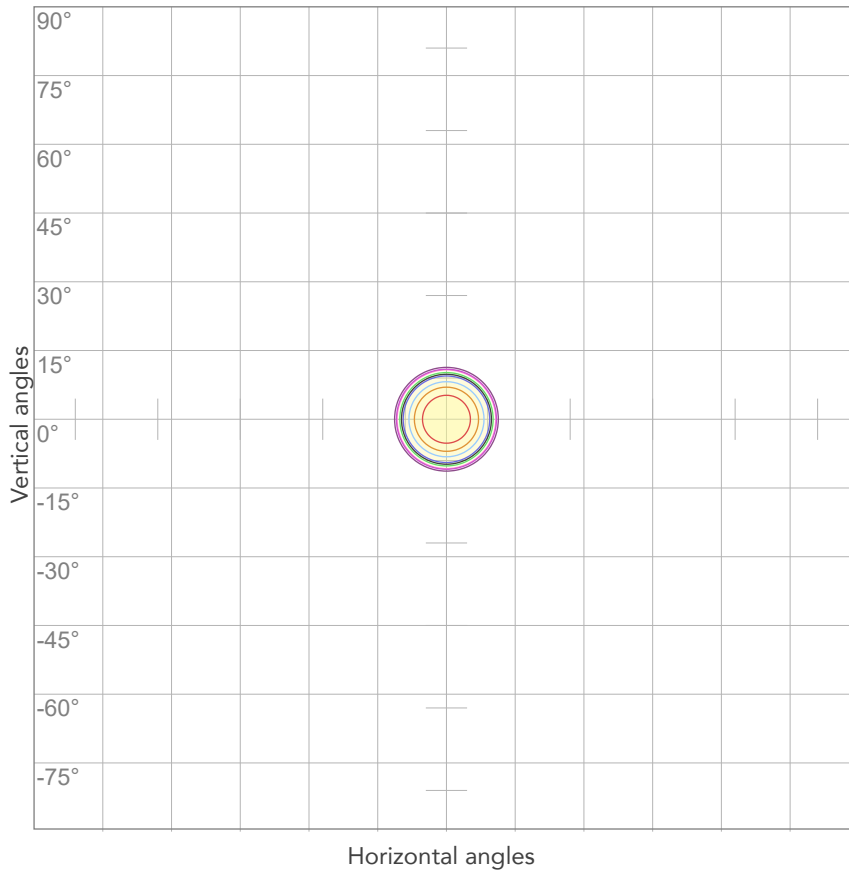
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

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

ISO CANDELA DIAGRAM



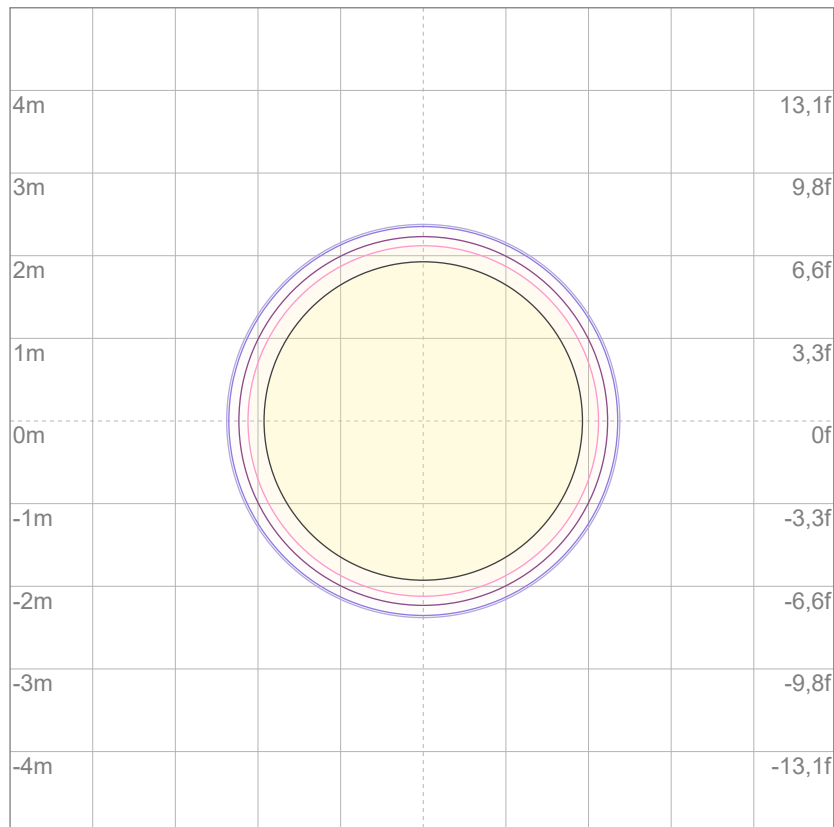
10%	4486 cd
20%	8971 cd
30%	13457 cd
40%	17942 cd
50%	22428 cd
60%	26913 cd
70%	31399 cd
80%	35885 cd

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:

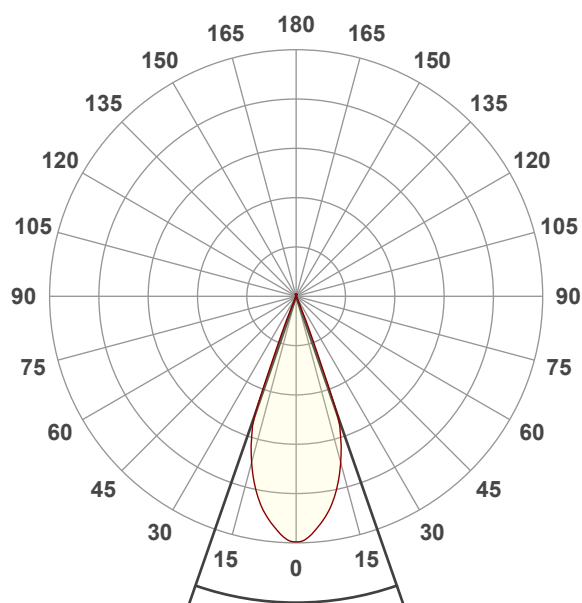
4000K

Operator:

Paolo Carvone

Date and time:

26/10/2022 14:37:19

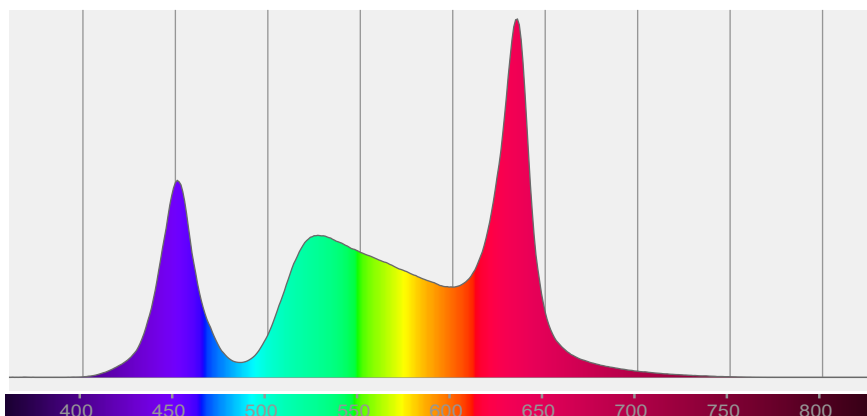


Beam angle 50%: 38,4°

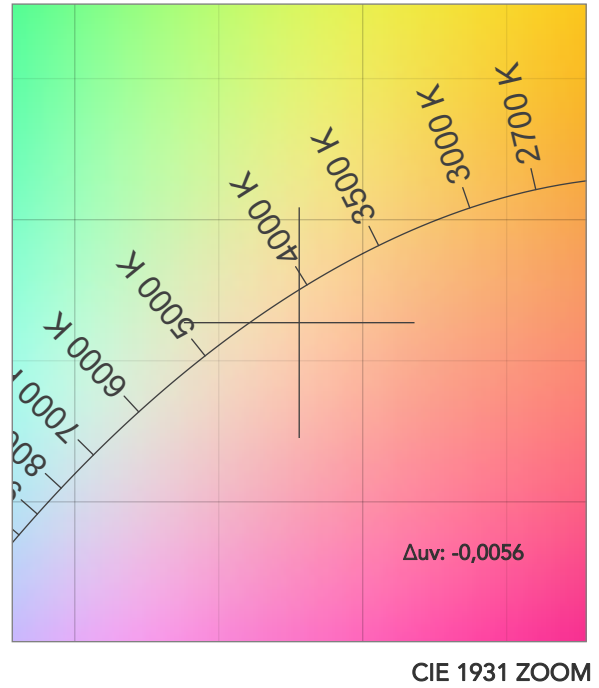
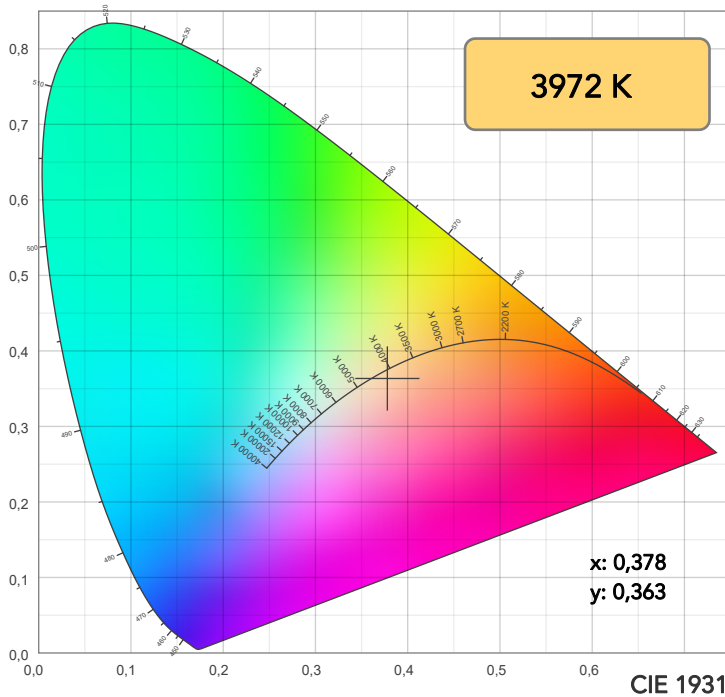
Field angle 10%: 44°

Cut off angle 2.5%: 45,9°

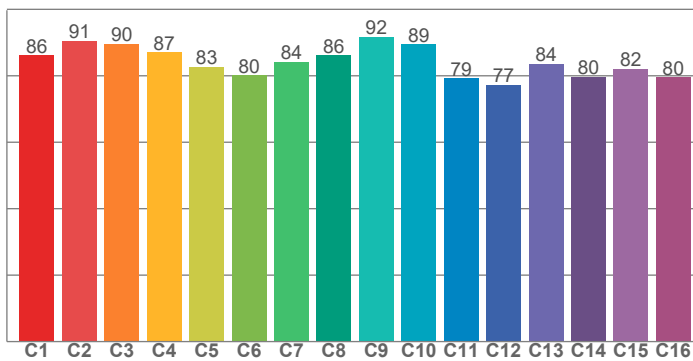
Spectra



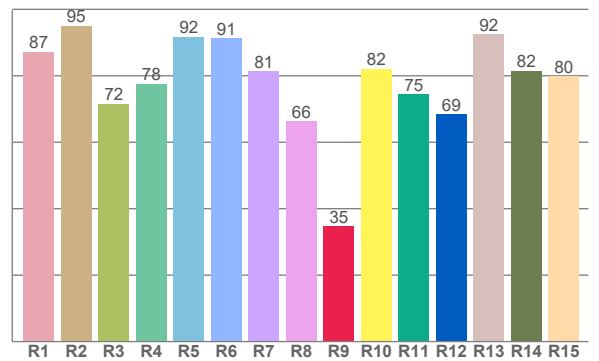
COLOR DETAILS



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

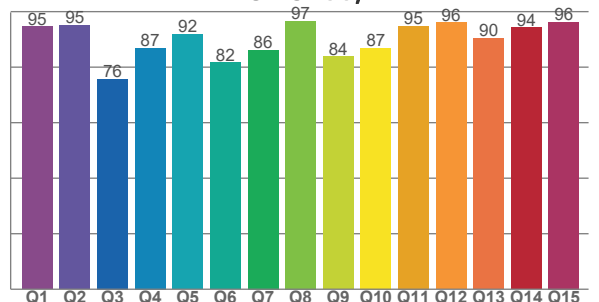
TM30 C values, 16 binned values out of total of 99 C values

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

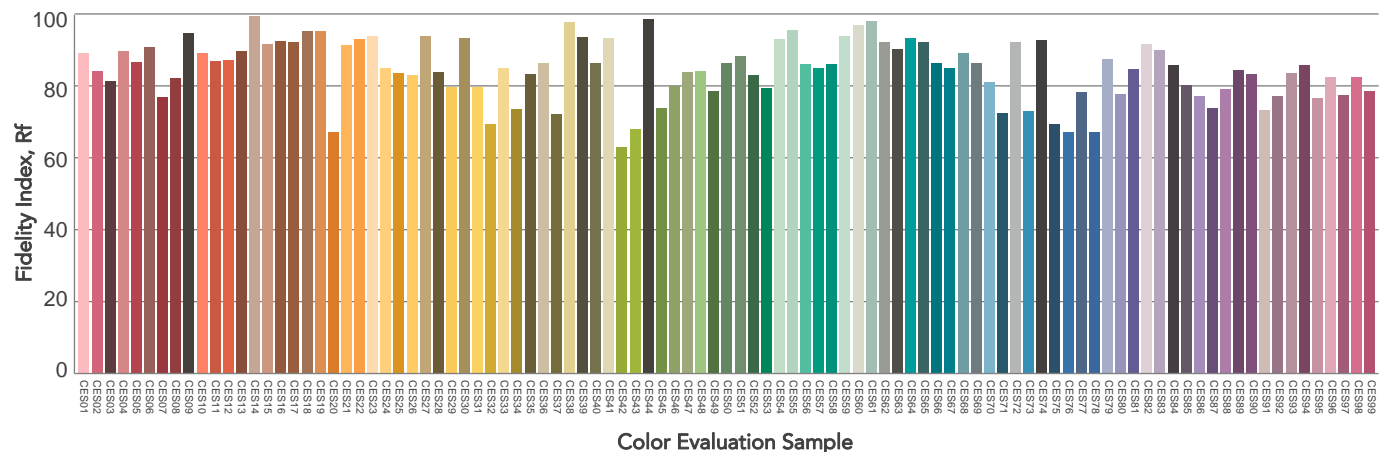
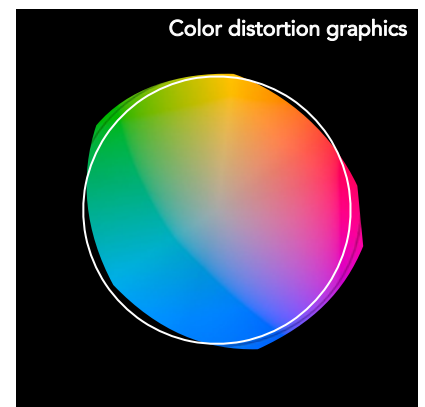
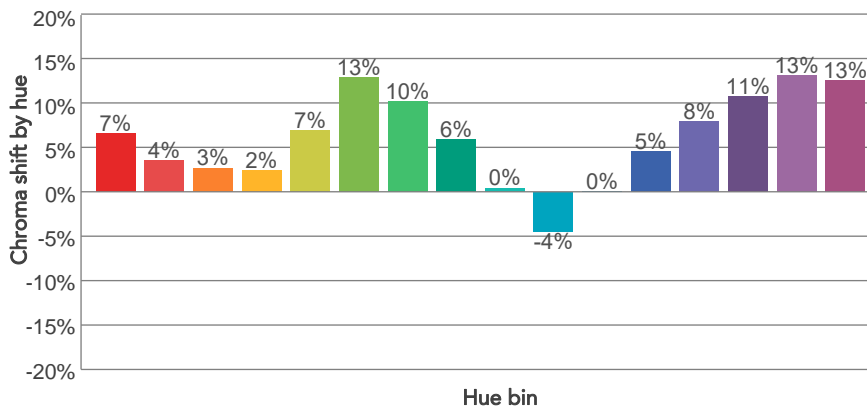
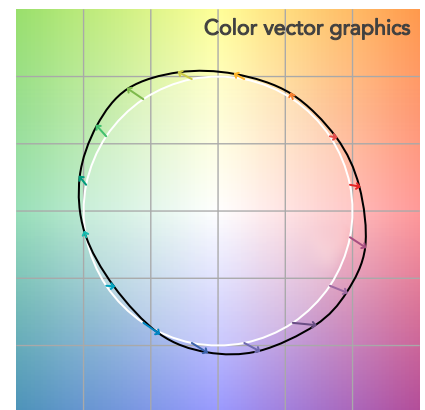
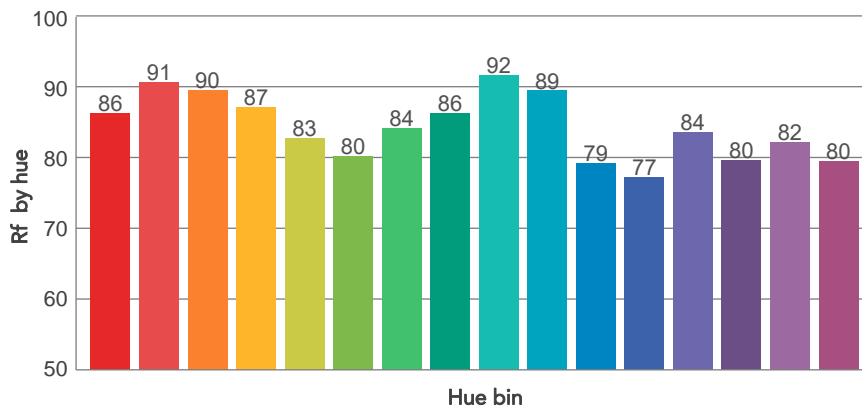
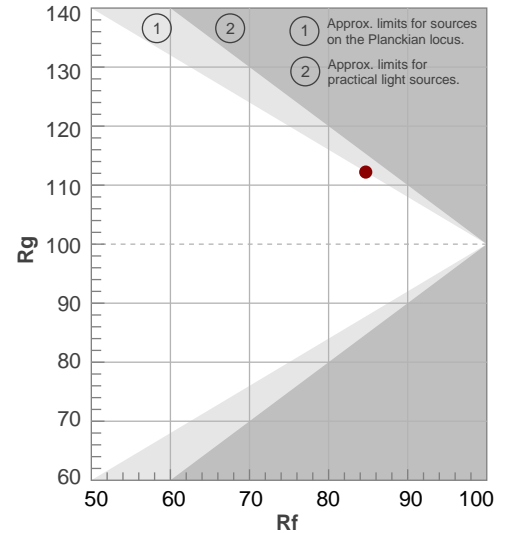
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3972 K	82,8	34,6	84,7	112,2	88,4	76	0,378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

TM30 DETAILS

Rf 84,7
Fidelity index Rf

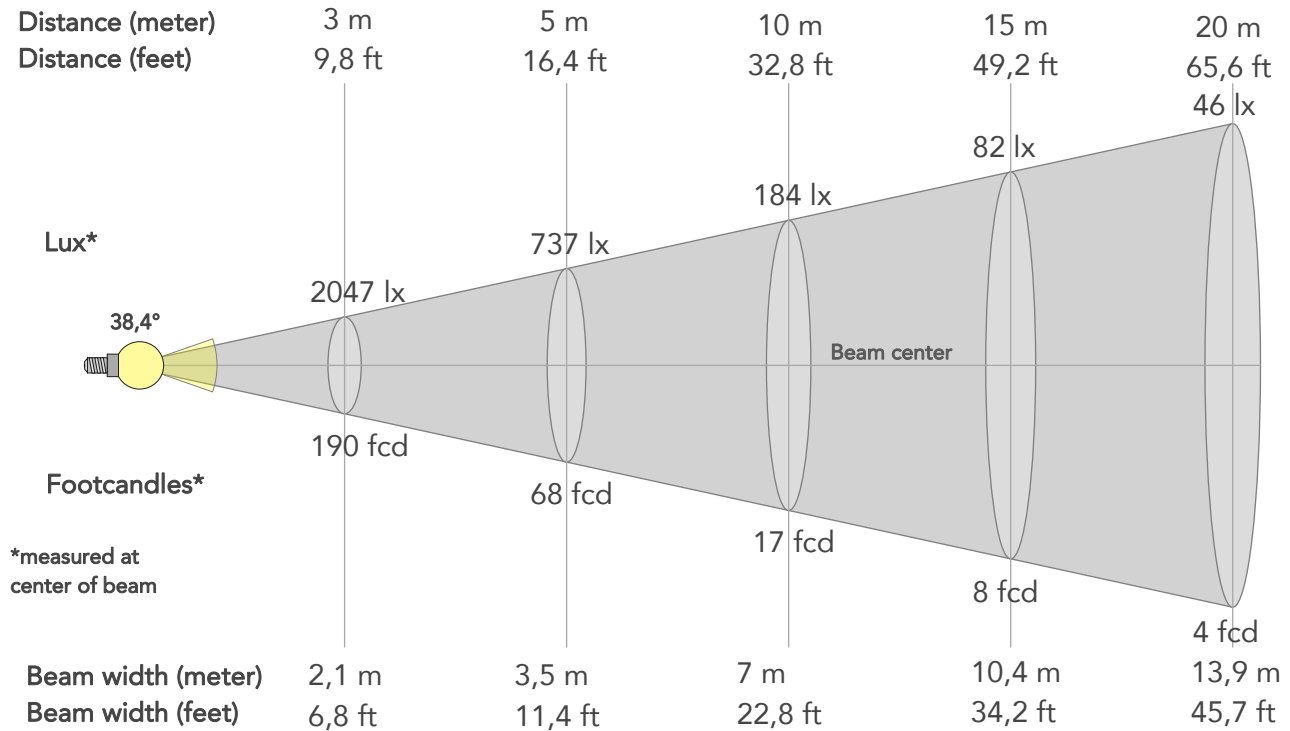
Rg 112,2
Gammut index

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

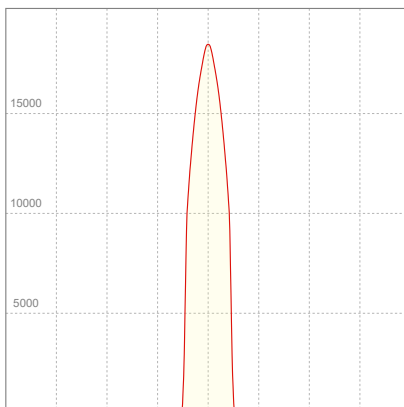
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38,4°	44°	45,9°	100,0%	100,0%



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

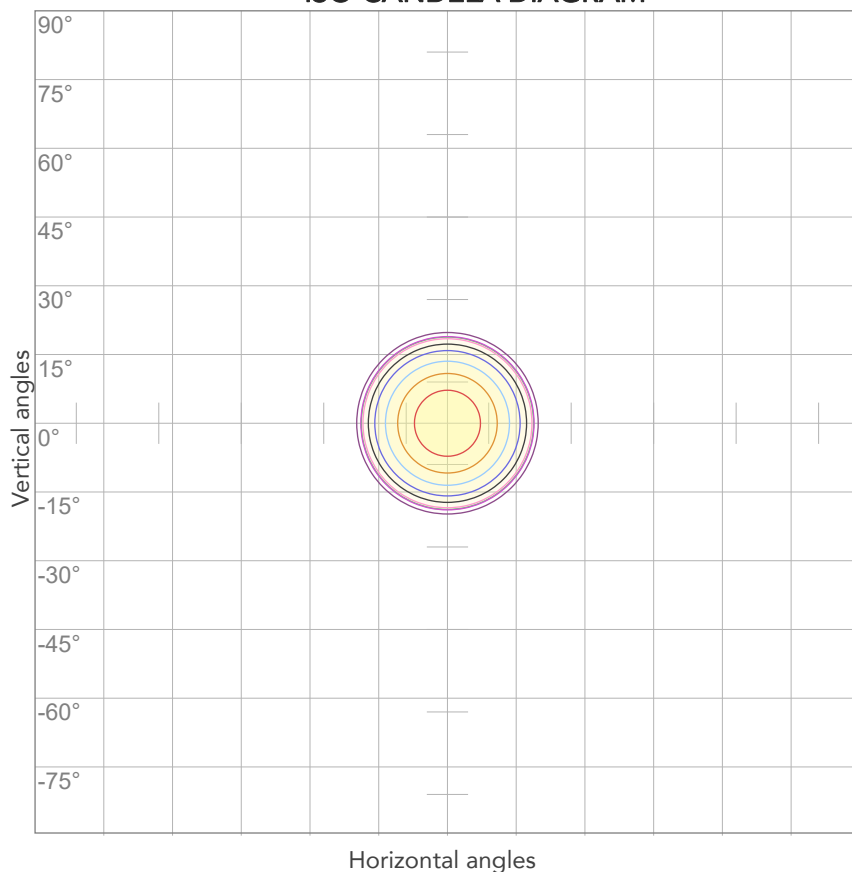
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

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

ISO CANDELA DIAGRAM



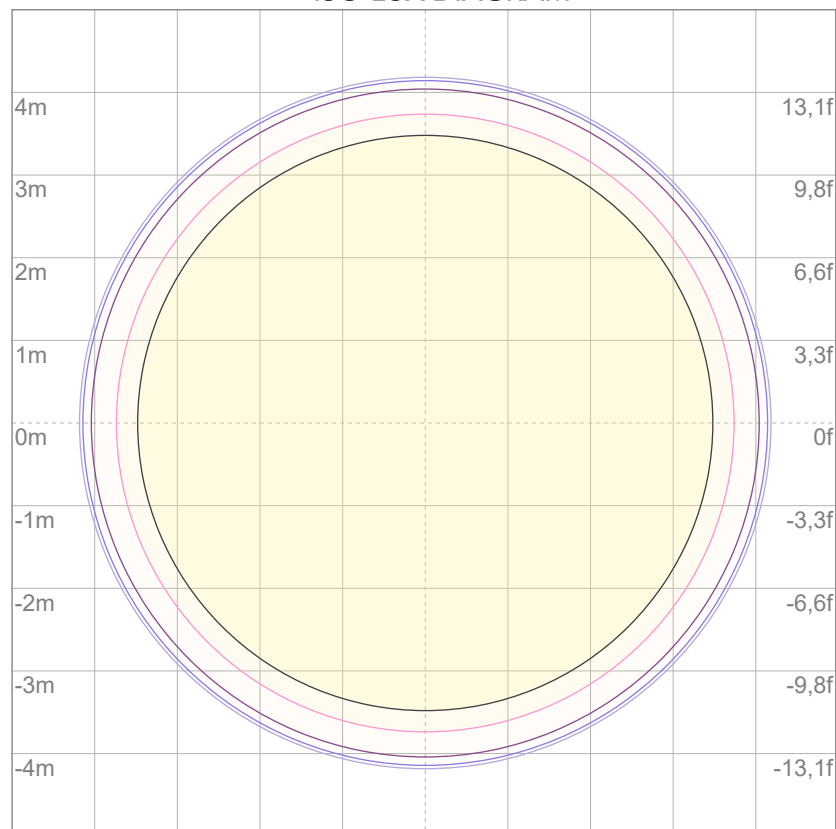
10%	1842 cd
20%	3684 cd
30%	5526 cd
40%	7368 cd
50%	9210 cd
60%	11052 cd
70%	12893 cd
80%	14735 cd

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:

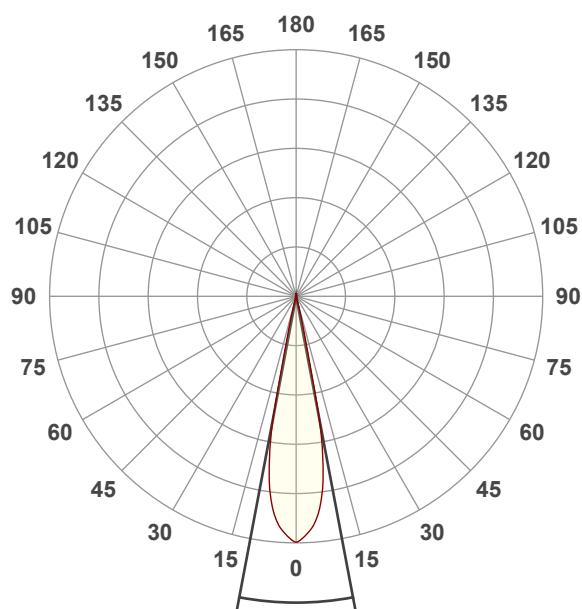
4000K

Operator:

Paolo Carvone

Date and time:

26/10/2022 13:29:58

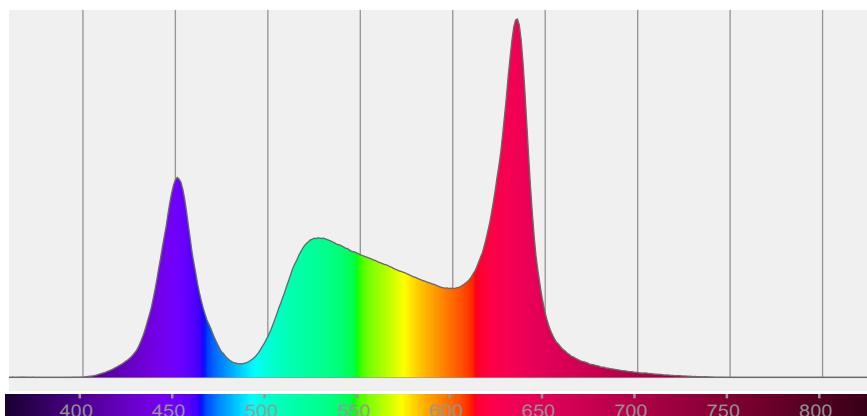


Beam angle 50%: 21,4°

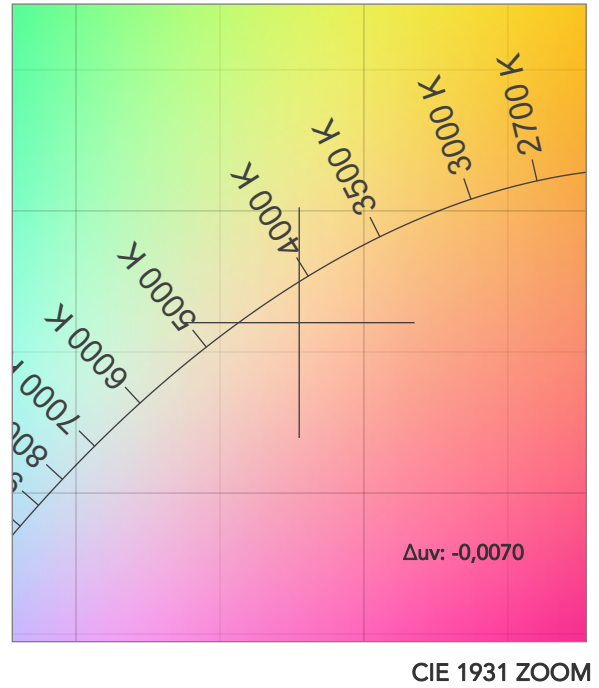
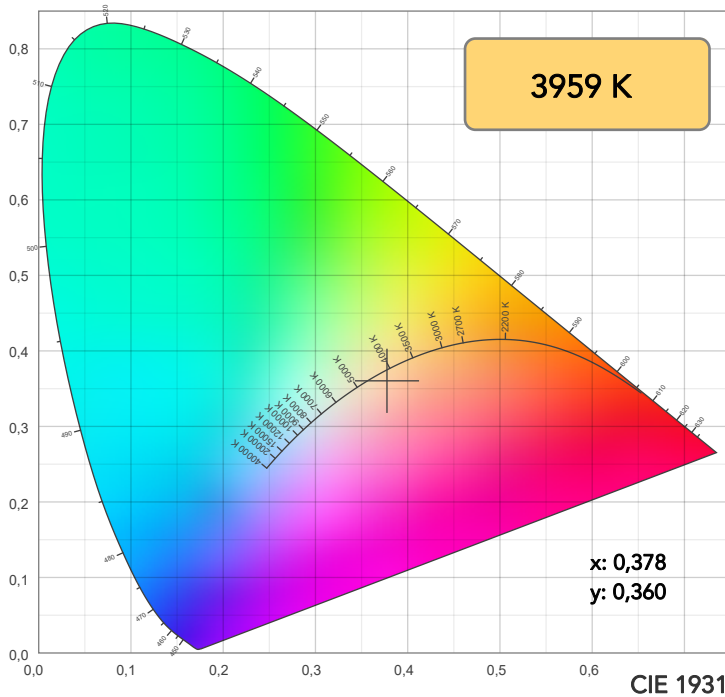
Field angle 10%: 26,3°

Cut off angle 2.5%: 28,4°

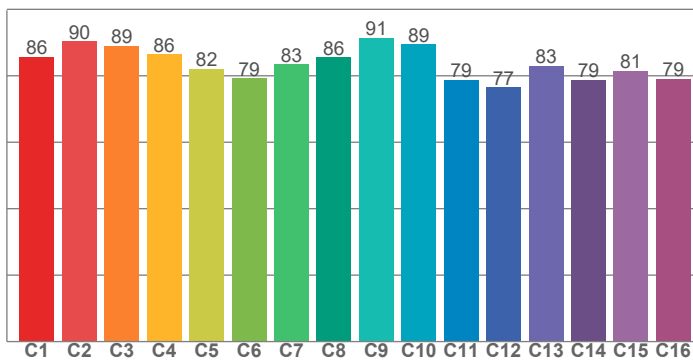
Spectra



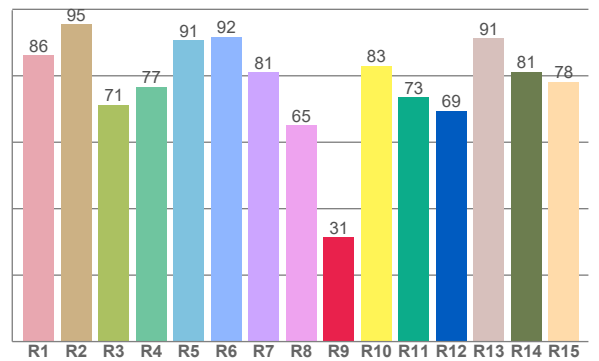
COLOR DETAILS



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

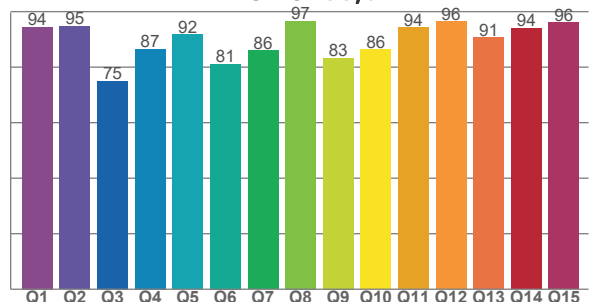
TM30 C values, 16 binned values out of total of 99 C values

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

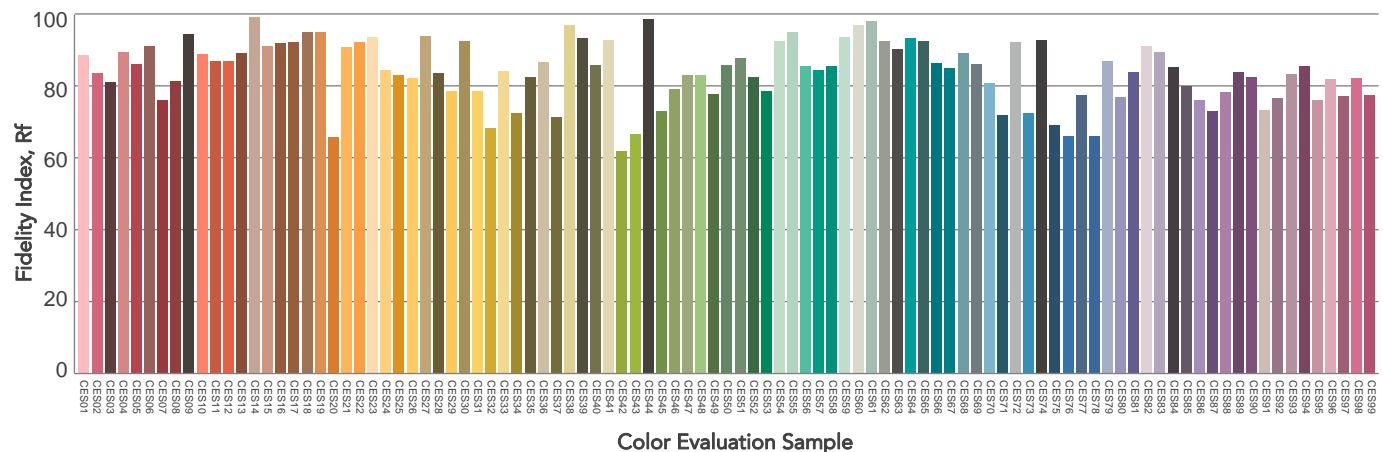
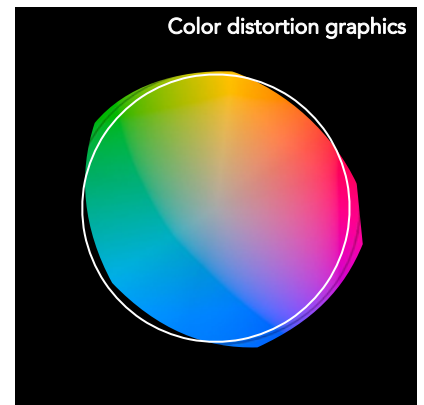
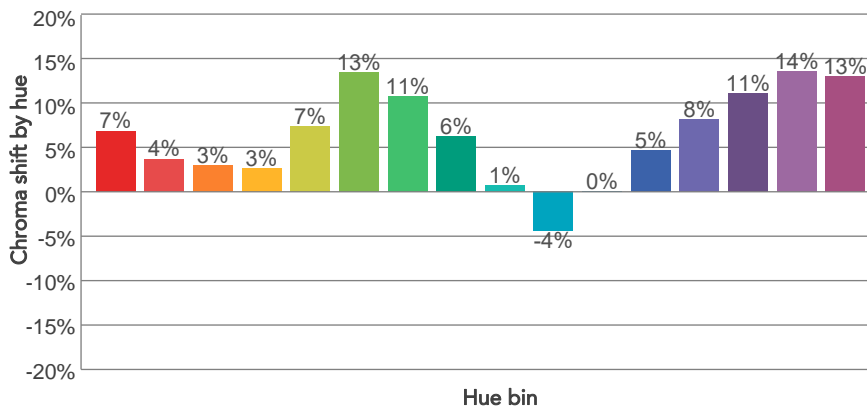
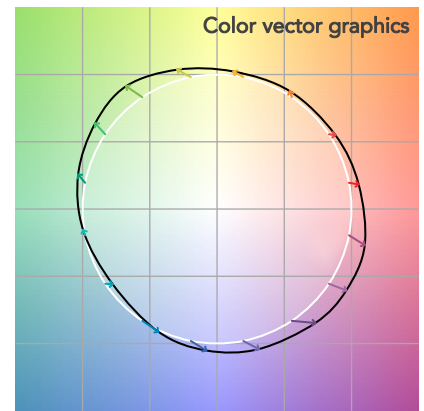
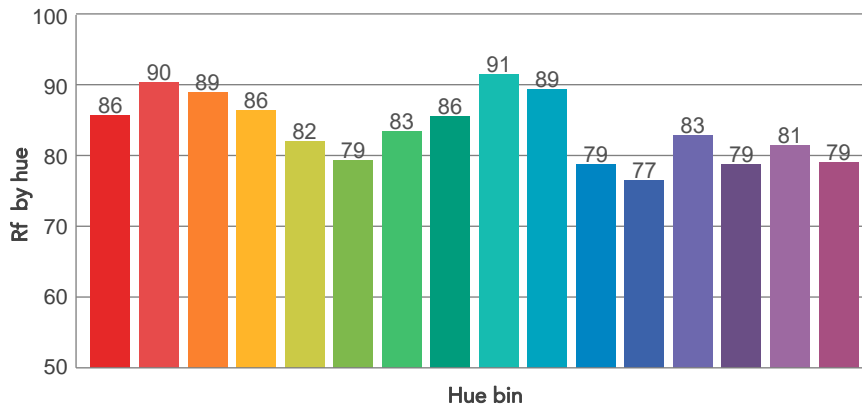
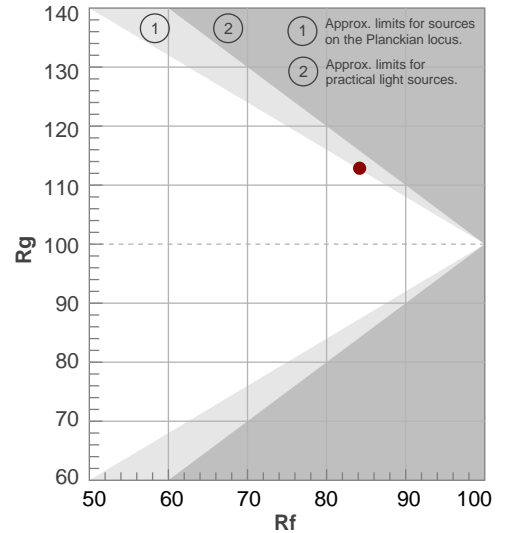
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3959 K	82,3	31,5	84,2	112,9	88,0	75	0,378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

TM30 DETAILS

Rf 84,2
Fidelity index Rf

Rg 112,9
Gammut index

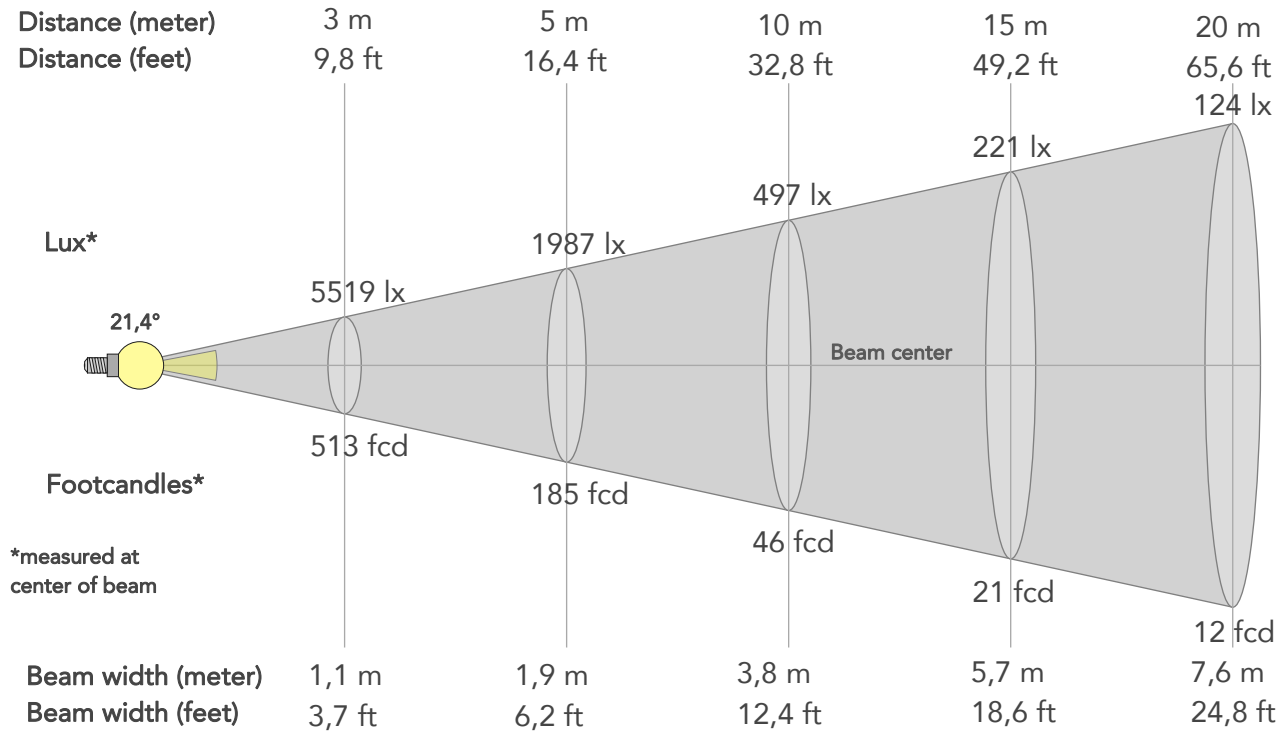
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	86	7%	-3%
2	90	4%	-3%
3	89	3%	4%
4	86	3%	8%
5	82	7%	9%
6	79	13%	5%
7	83	11%	-3%
8	86	6%	-5%
9	91	1%	-4%
10	89	-4%	3%
11	79	0%	14%
12	77	5%	13%
13	83	8%	10%
14	79	11%	14%
15	81	14%	3%
16	79	13%	-5%



BEAM DETAILS



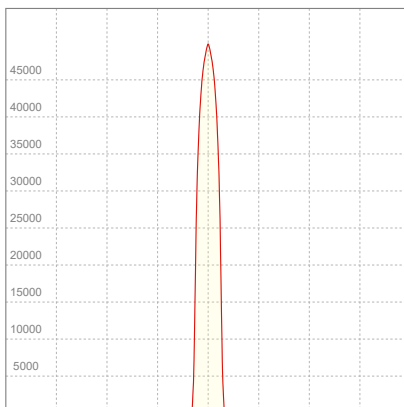
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,4°	26,3°	28,4°	100,0%	100,0%



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

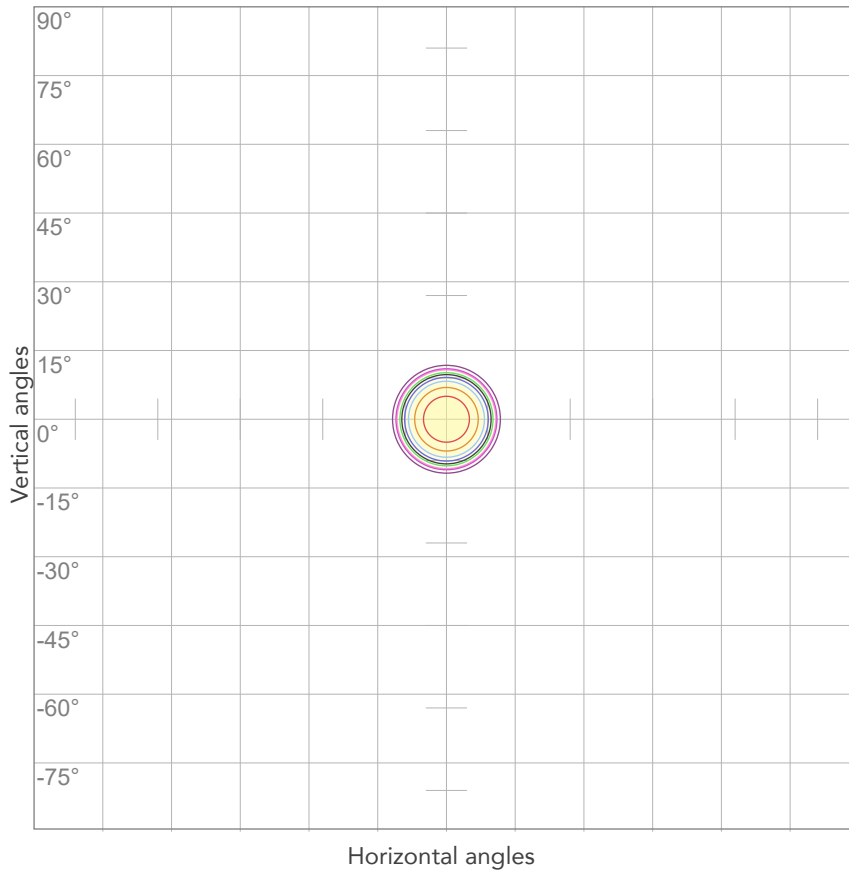
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

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

ISO CANDELA DIAGRAM



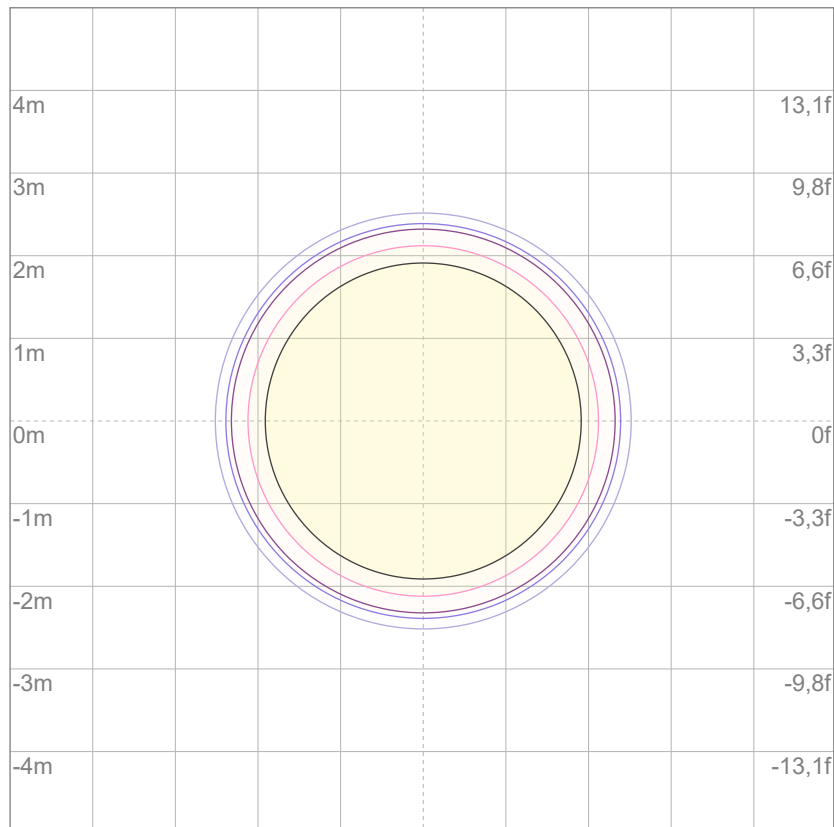
10%	4967 cd
20%	9935 cd
30%	14902 cd
40%	19870 cd
50%	24837 cd
60%	29805 cd
70%	34772 cd
80%	39739 cd

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:

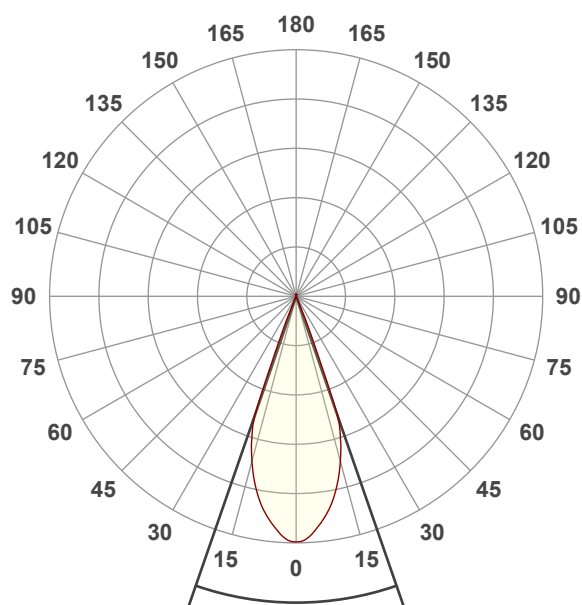
5600K

Operator:

Paolo Carvone

Date and time:

26/10/2022 14:35:38

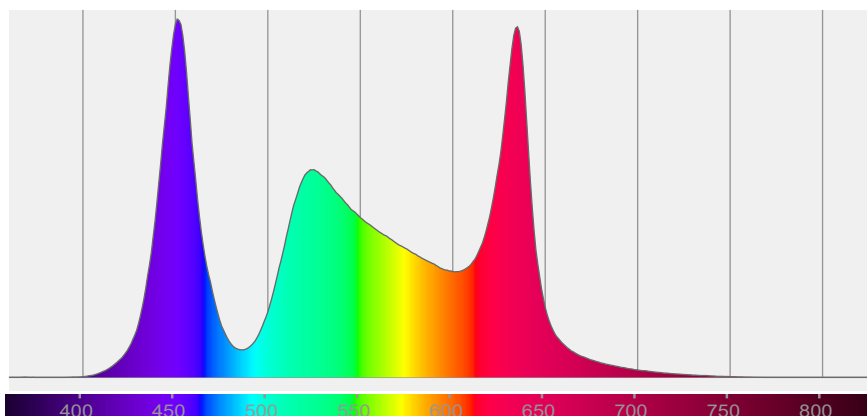


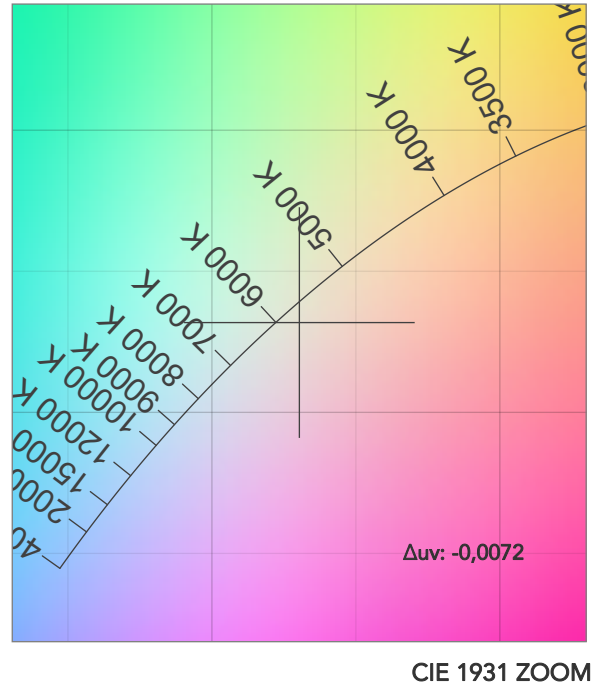
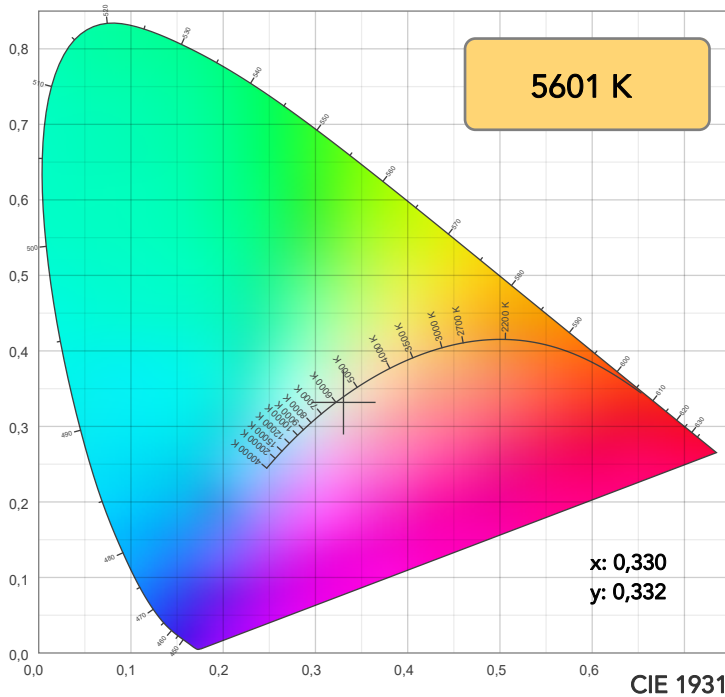
Beam angle 50%: 38,3°

Field angle 10%: 44°

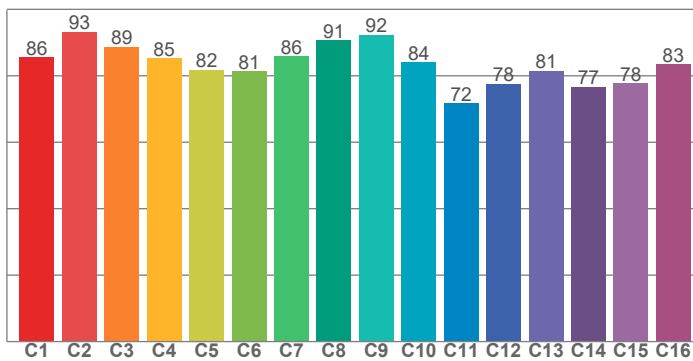
Cut off angle 2.5%: 46°

Spectra

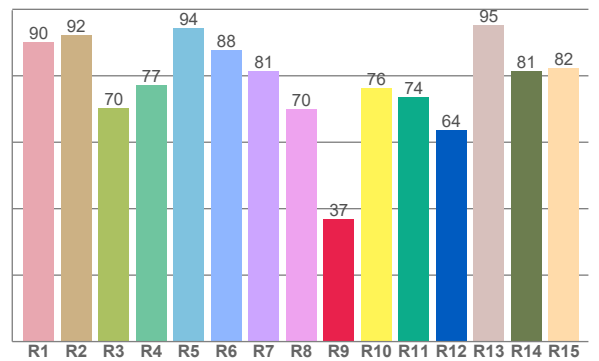




TM30: 83,7



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

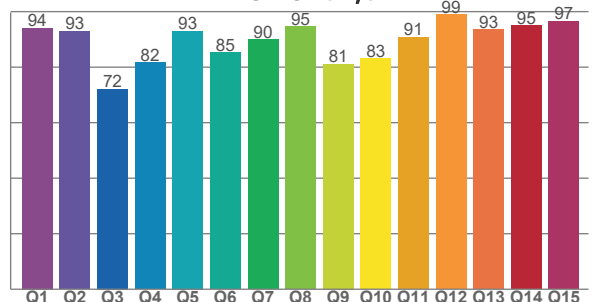
TM30 C values, 16 binned values out of total of 99 C values

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

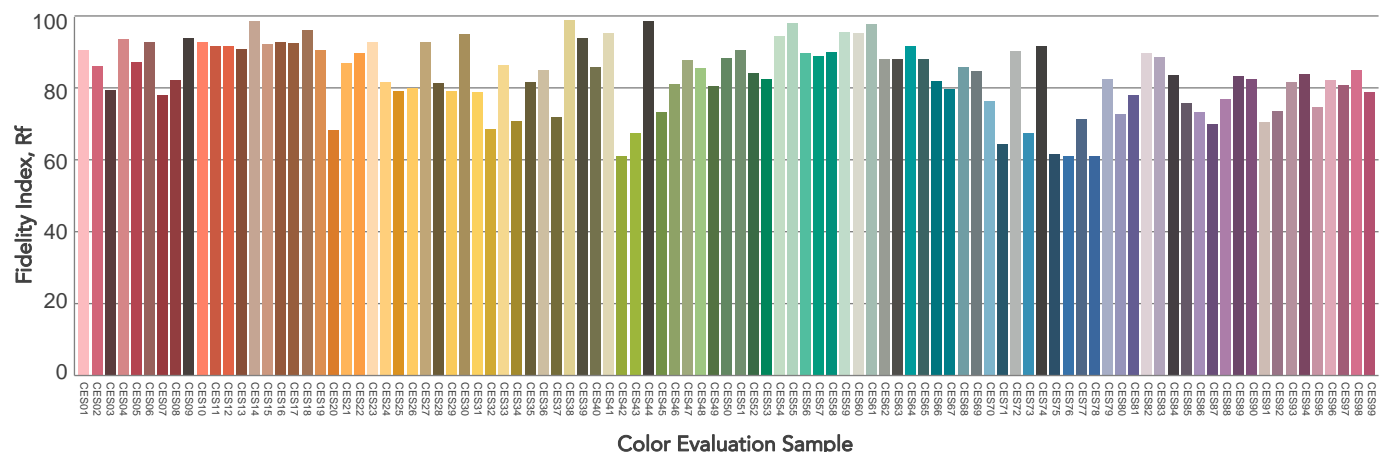
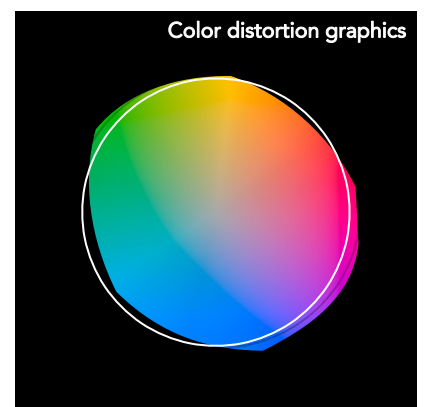
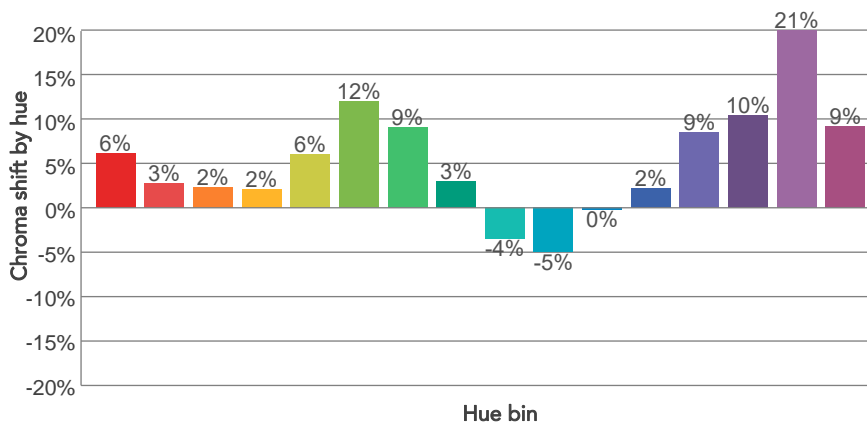
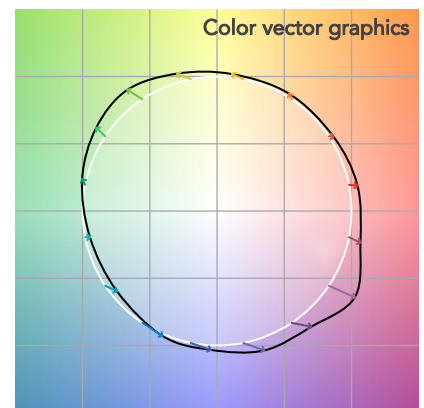
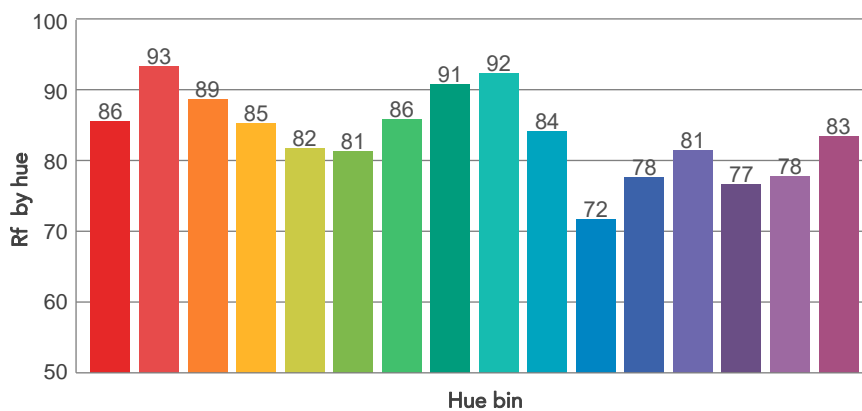
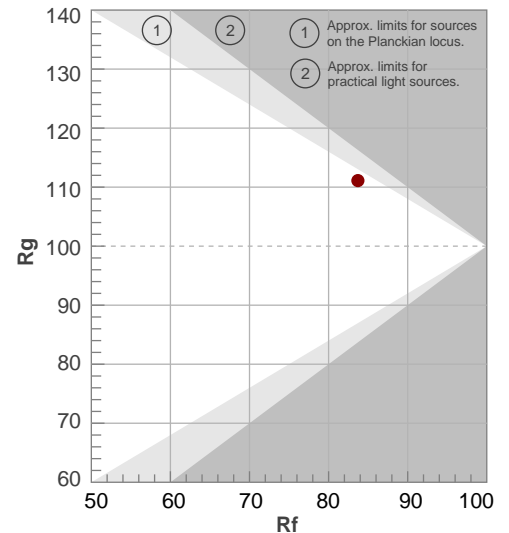
Rf 83,7

Fidelity index Rf

Rg 111,1

Gammut index

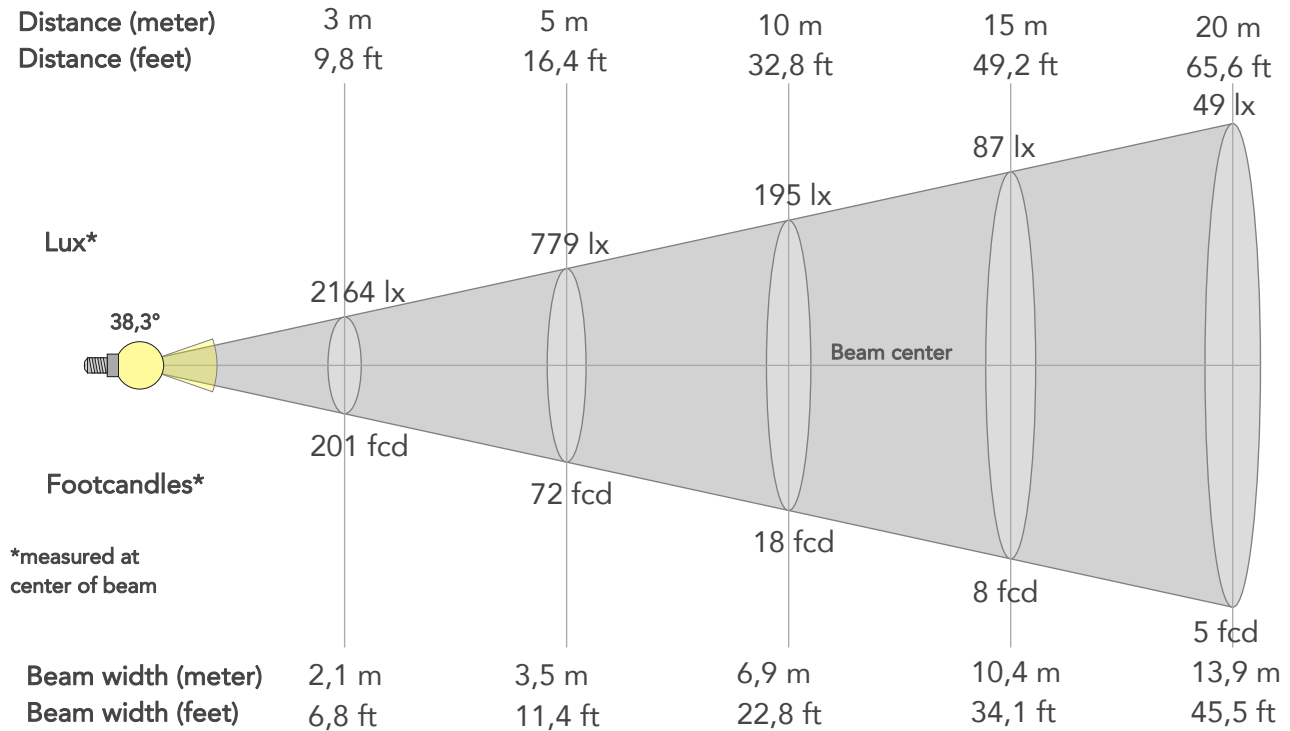
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	86	6%	-2%
2	93	3%	-2%
3	89	2%	4%
4	85	2%	9%
5	82	6%	9%
6	81	12%	5%
7	86	9%	-2%
8	91	3%	-4%
9	92	-4%	1%
10	84	-5%	8%
11	72	0%	18%
12	78	2%	16%
13	81	9%	14%
14	77	10%	10%
15	78	21%	4%
16	83	9%	-2%



BEAM DETAILS



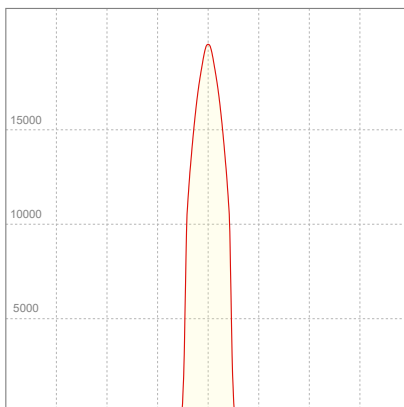
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38,3°	44°	46°	100,0%	100,0%



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

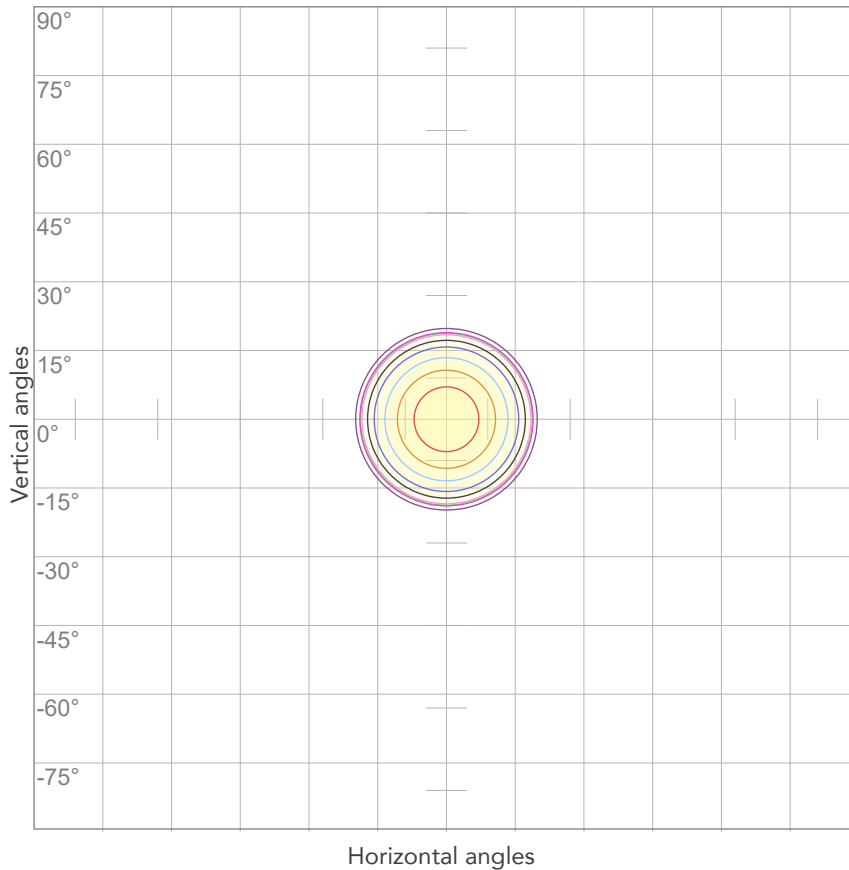
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

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

ISO CANDELA DIAGRAM



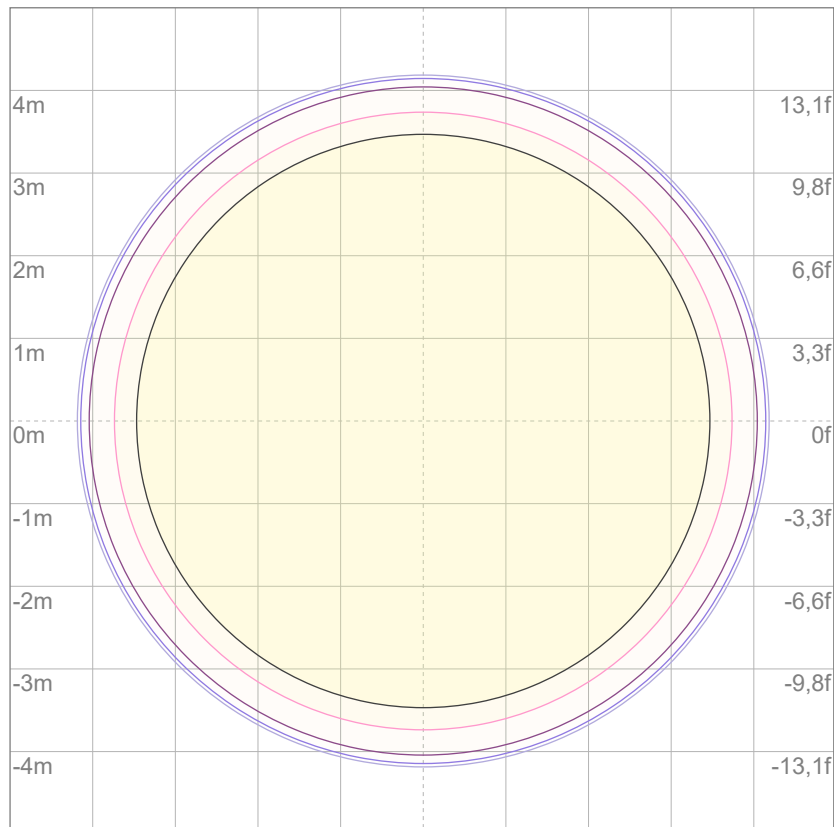
10%	1948 cd
20%	3895 cd
30%	5843 cd
40%	7790 cd
50%	9738 cd
60%	11685 cd
70%	13633 cd
80%	15580 cd

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:

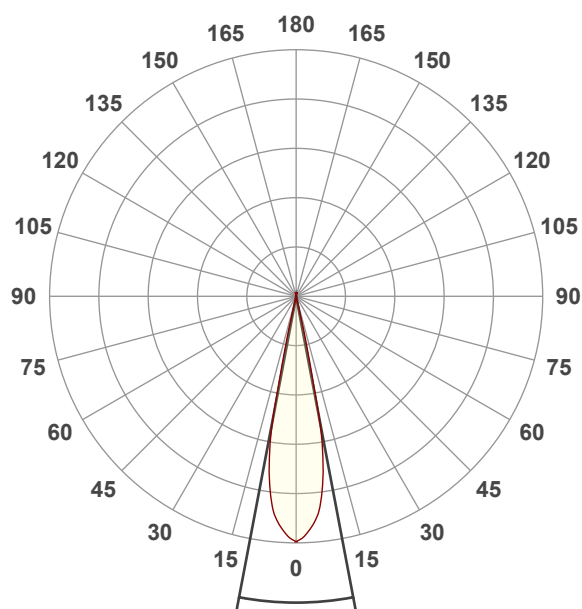
5600K

Operator:

Paolo Carvone

Date and time:

26/10/2022 13:32:28

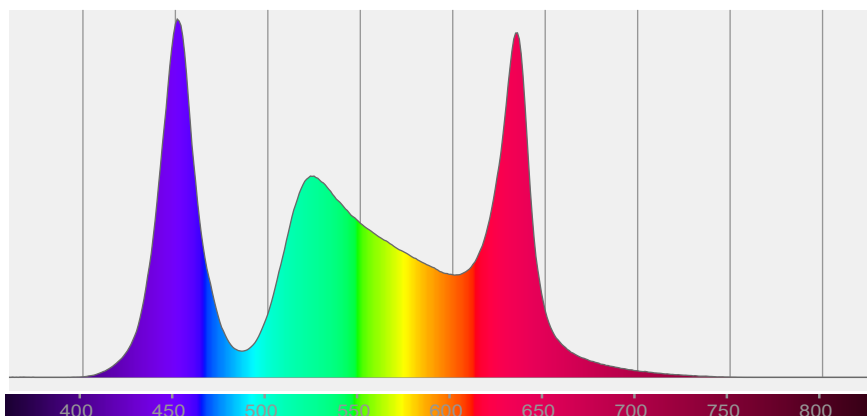


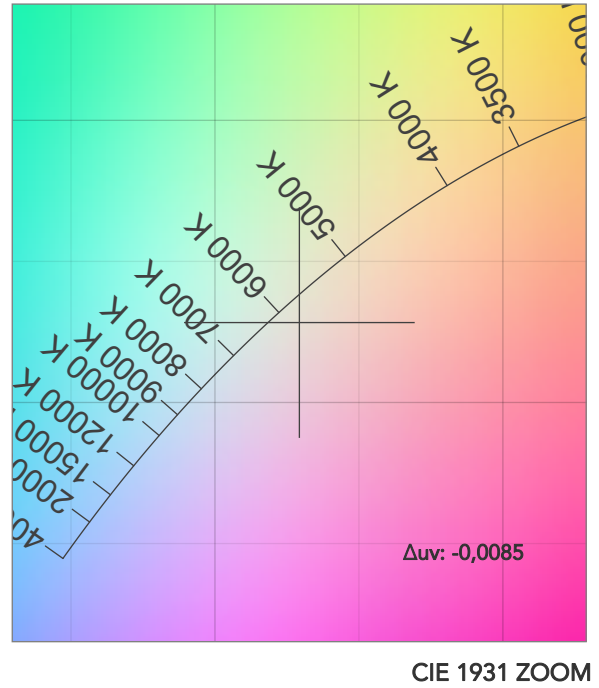
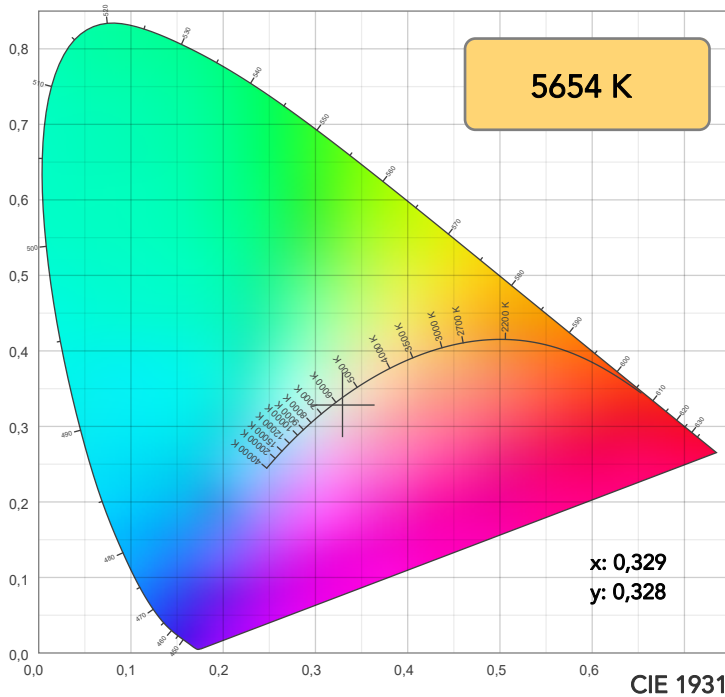
Beam angle 50%: 21,5°

Field angle 10%: 25,7°

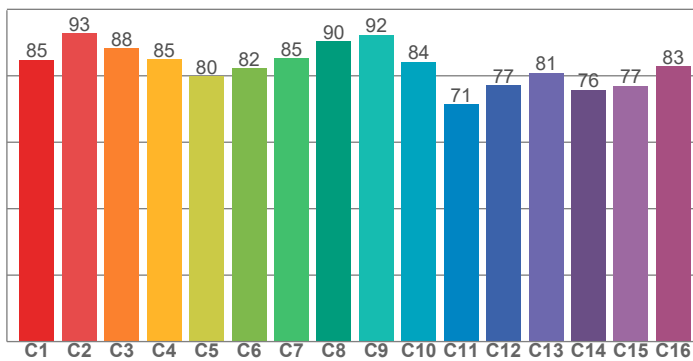
Cut off angle 2.5%: 26,8°

Spectra

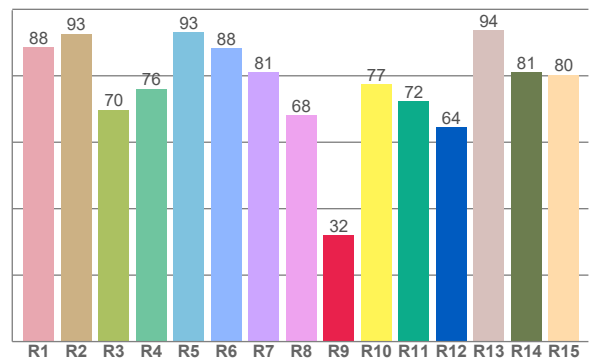




TM30: 83,3



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

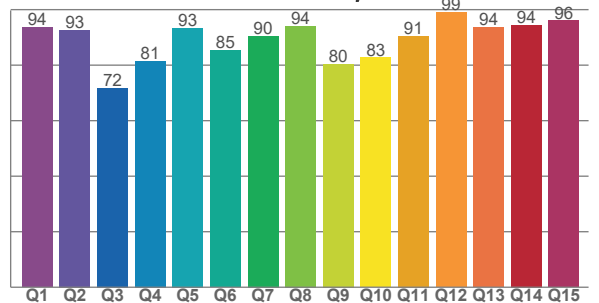
TM30 C values, 16 binned values out of total of 99 C values

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

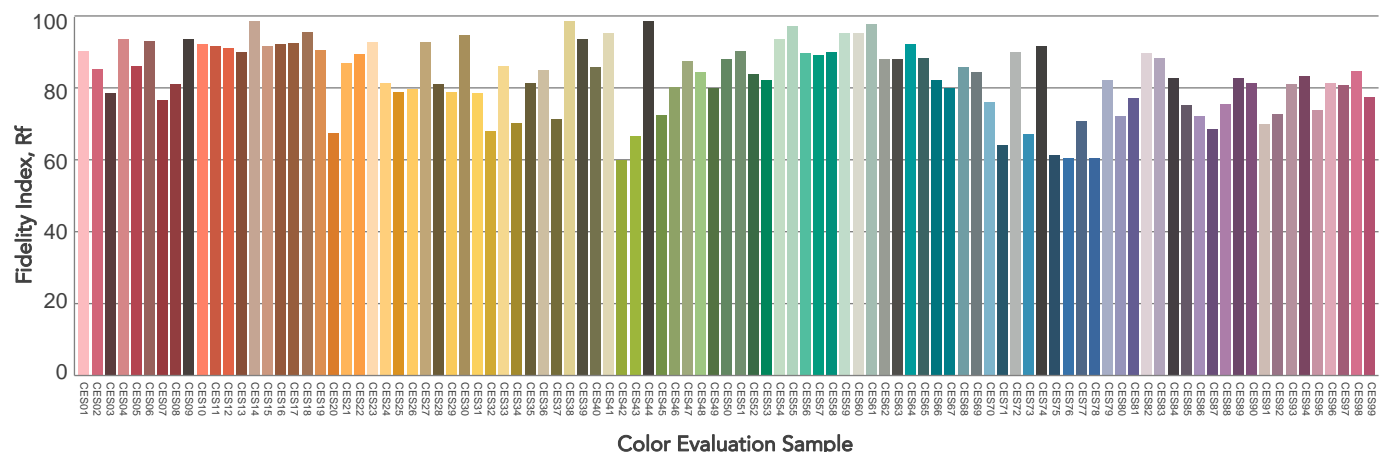
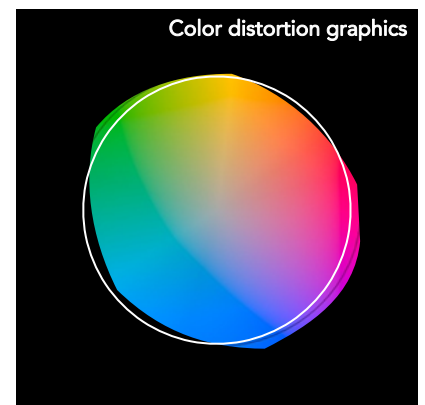
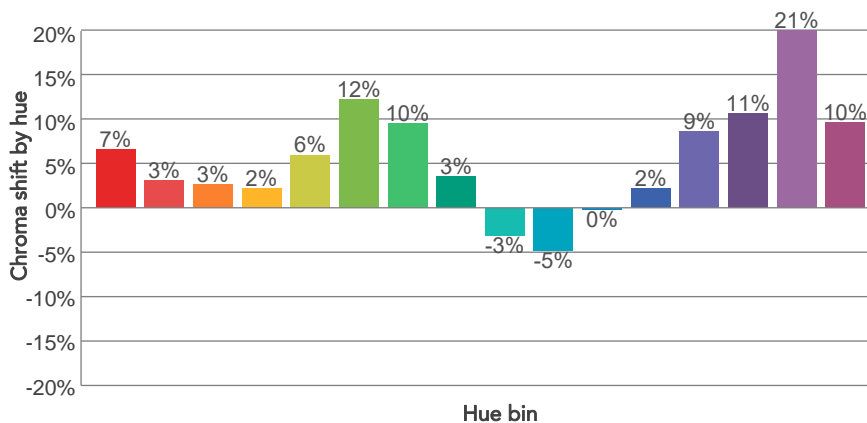
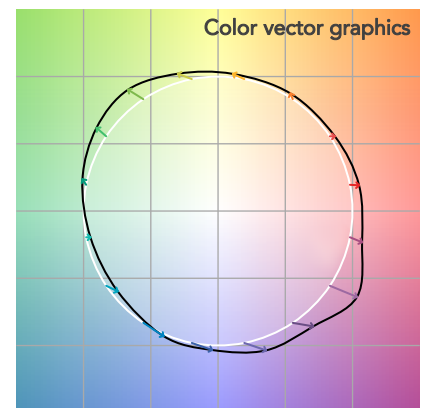
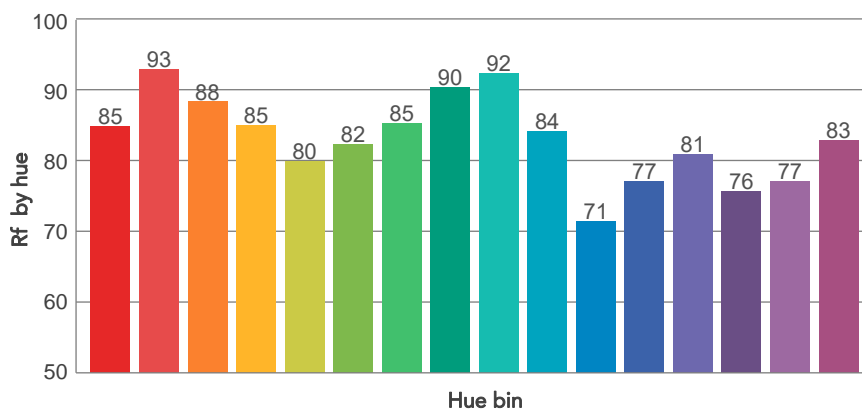
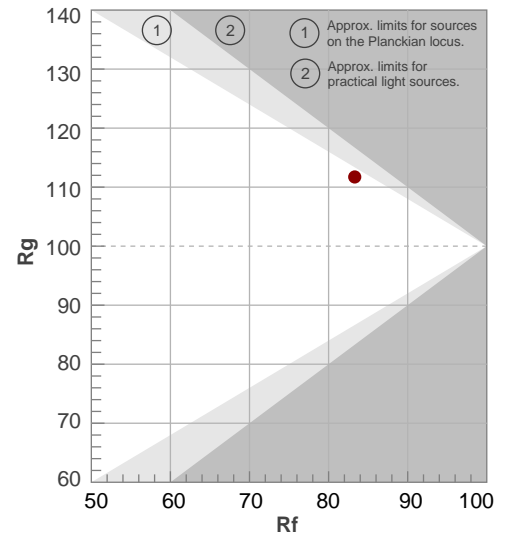
Rf 83,3

Fidelity index Rf

Rg 111,7

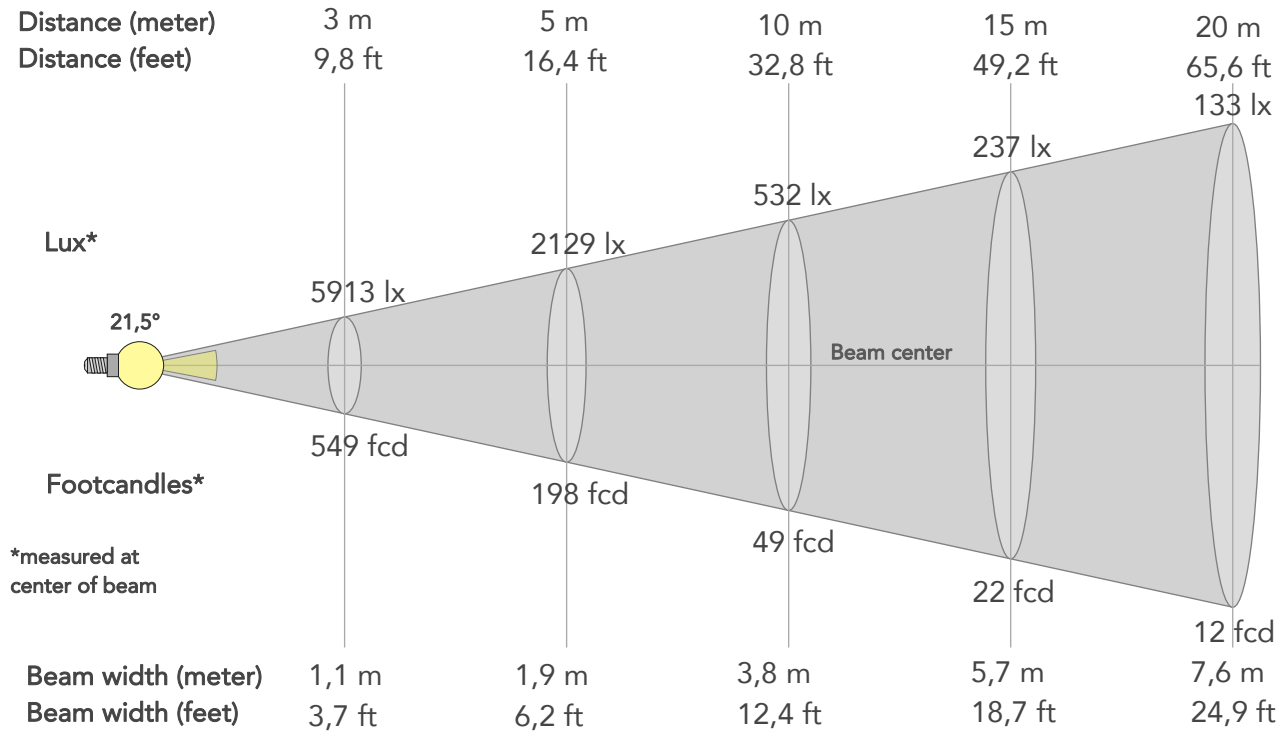
Gammut index

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

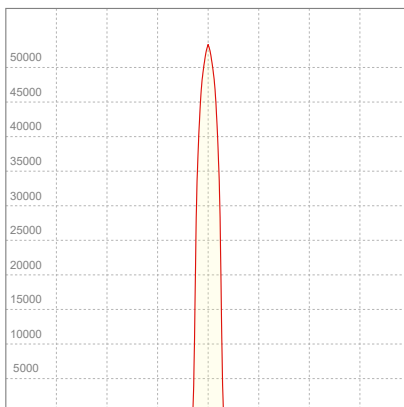
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,5°	25,7°	26,8°	100,0%	100,0%



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

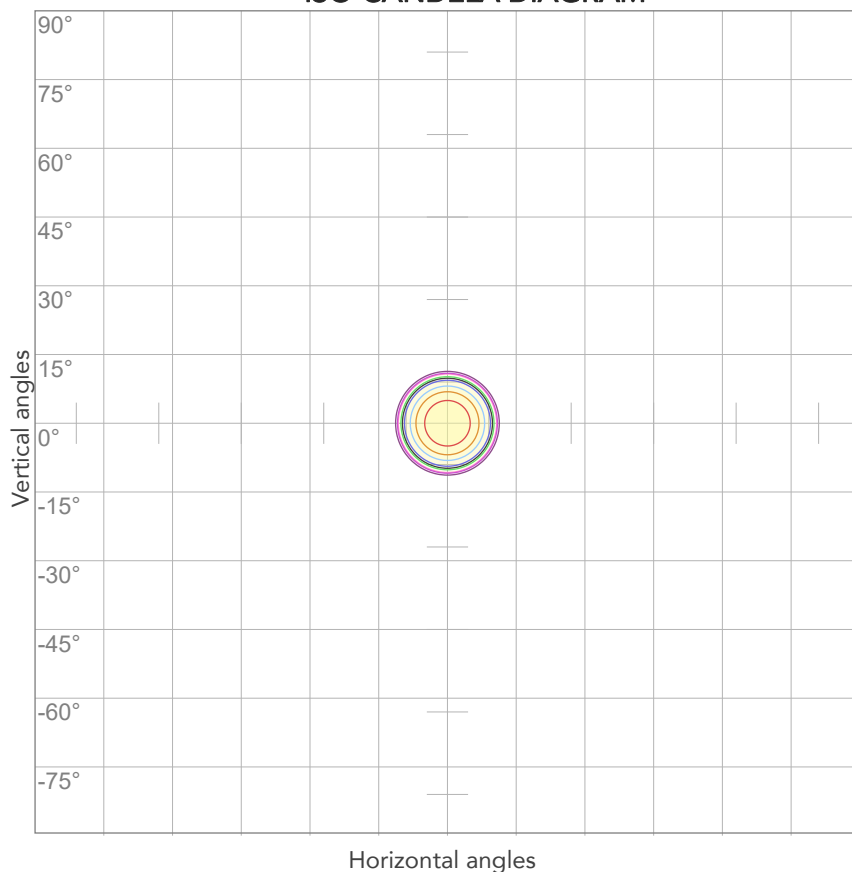
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

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

ISO CANDELA DIAGRAM



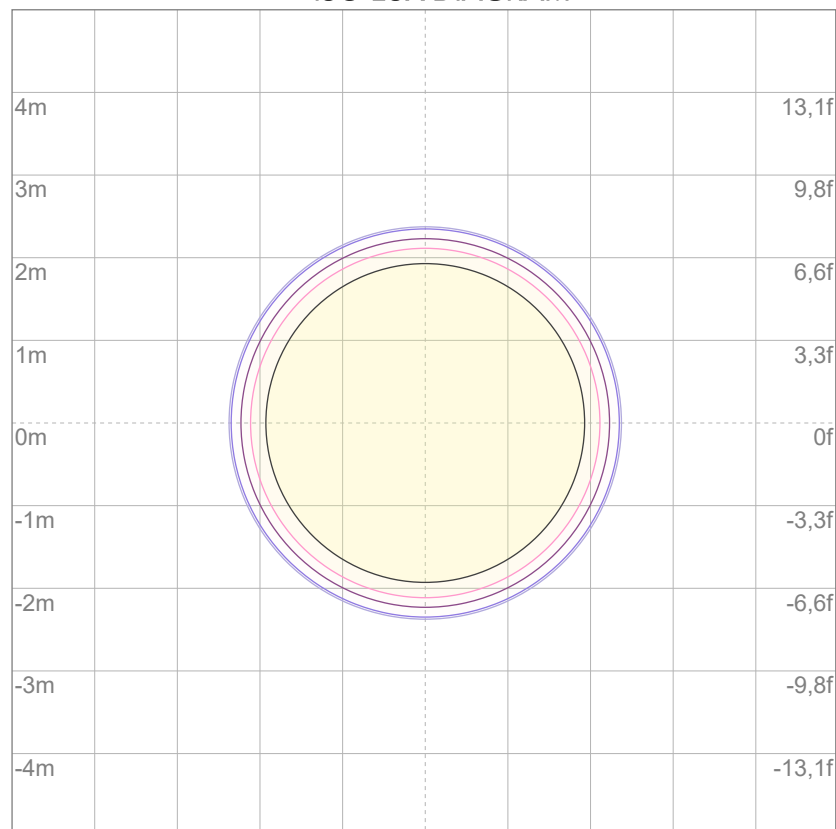
10%	5322 cd
20%	10643 cd
30%	15965 cd
40%	21287 cd
50%	26608 cd
60%	31930 cd
70%	37252 cd
80%	42573 cd

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:

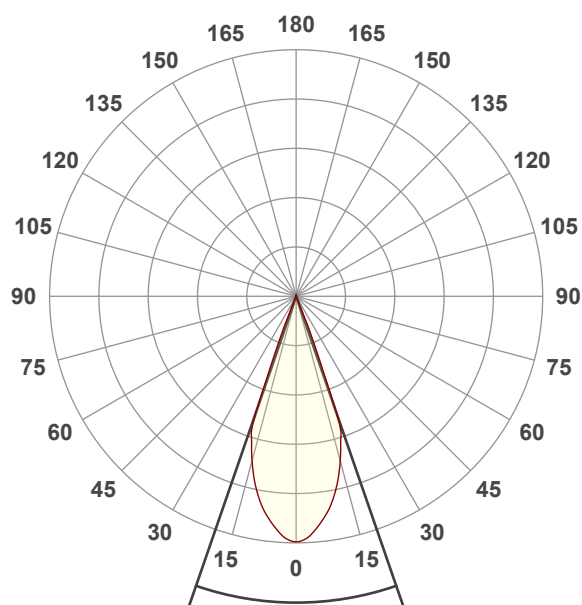
6000K

Operator:

Paolo Carvone

Date and time:

26/10/2022 14:33:44

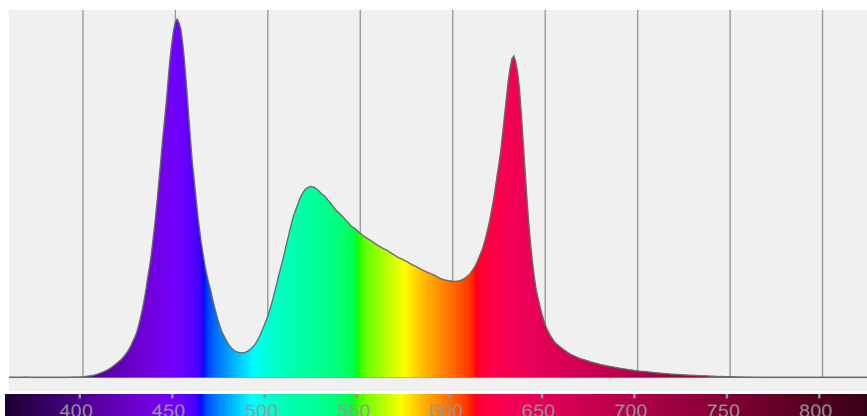


Beam angle 50%: 38,1°

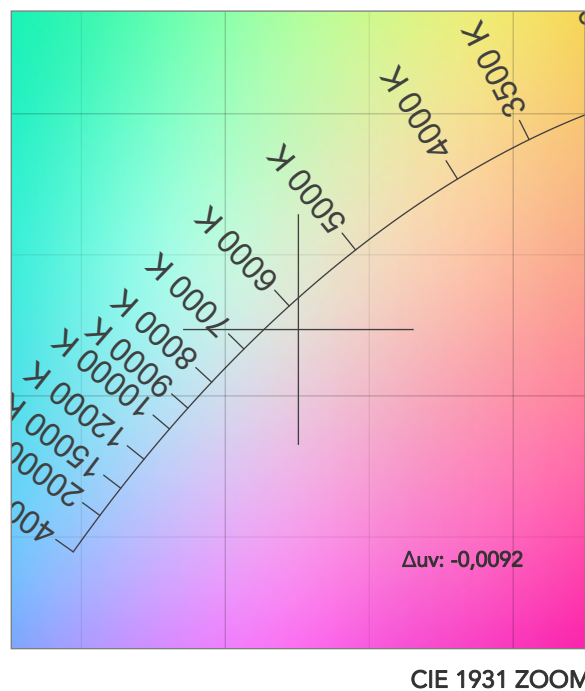
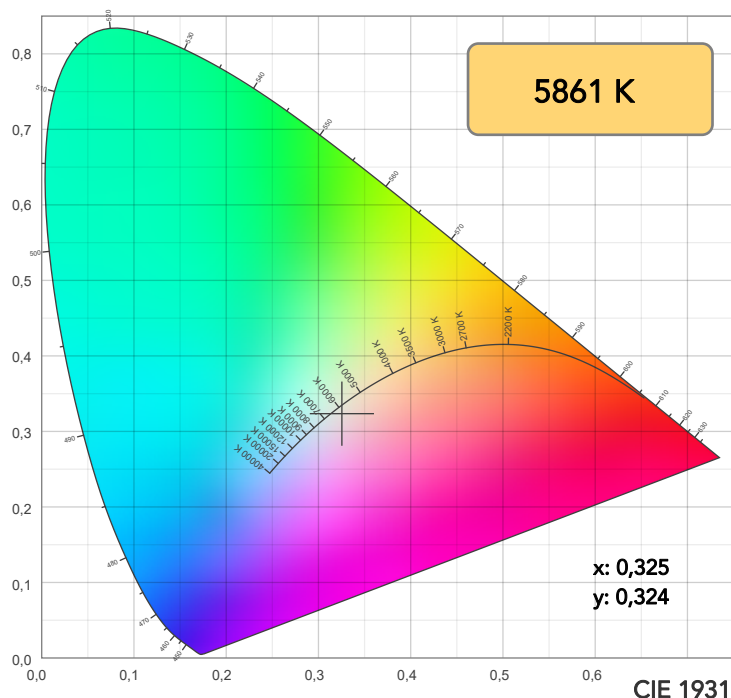
Field angle 10%: 43,9°

Cut off angle 2.5%: 45,6°

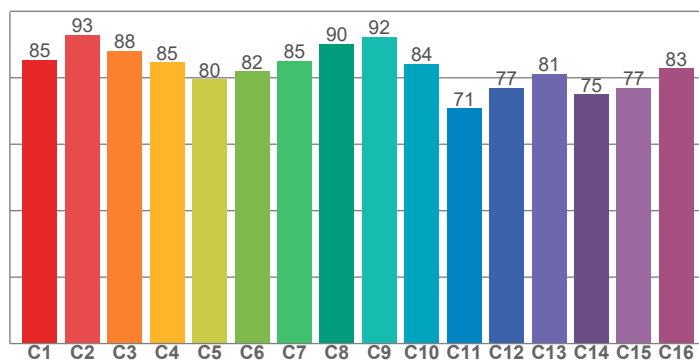
Spectra



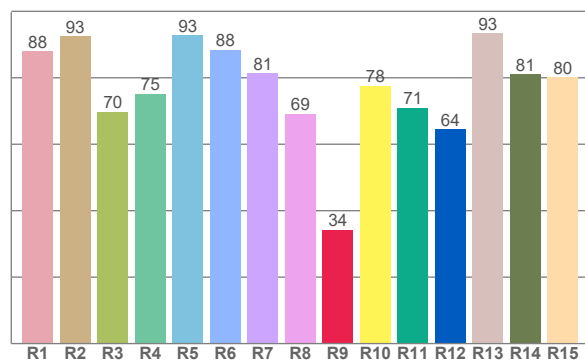
COLOR DETAILS



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

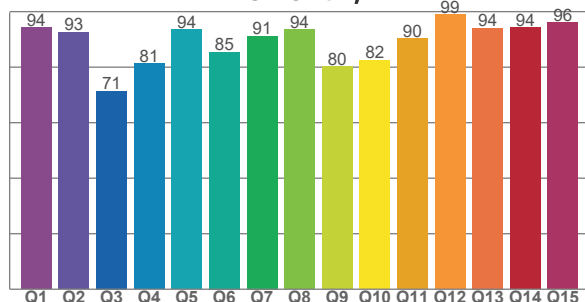
TM30 C values, 16 binned values out of total of 99 C values

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

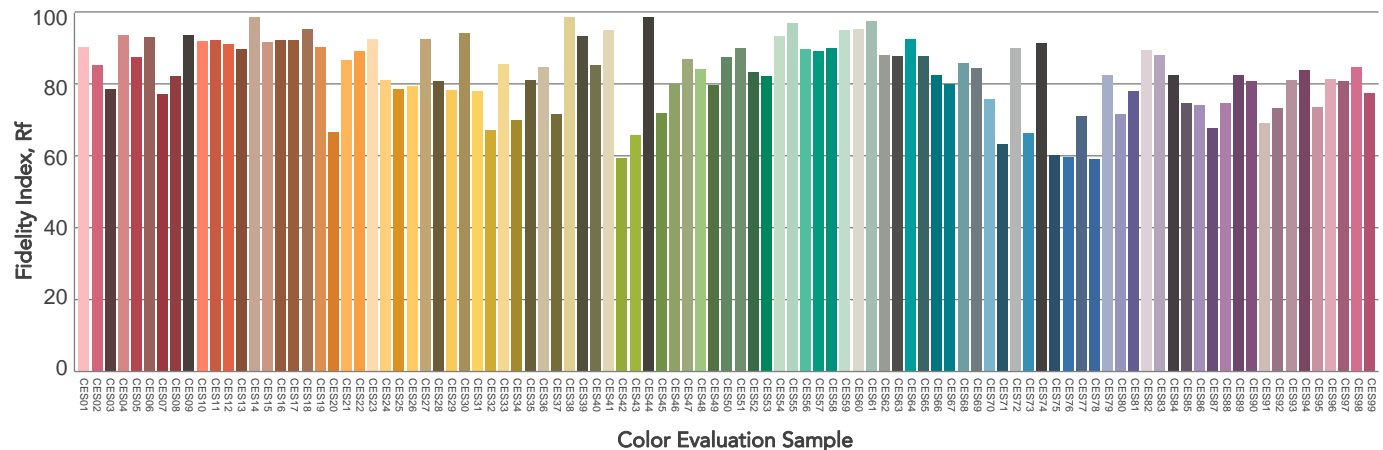
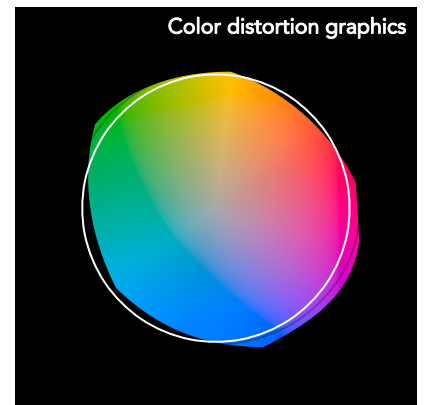
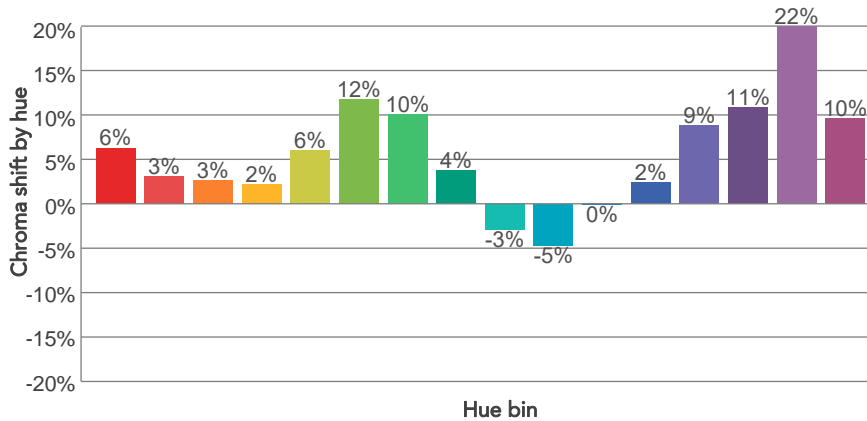
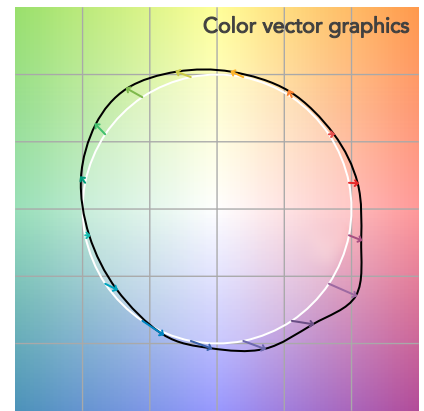
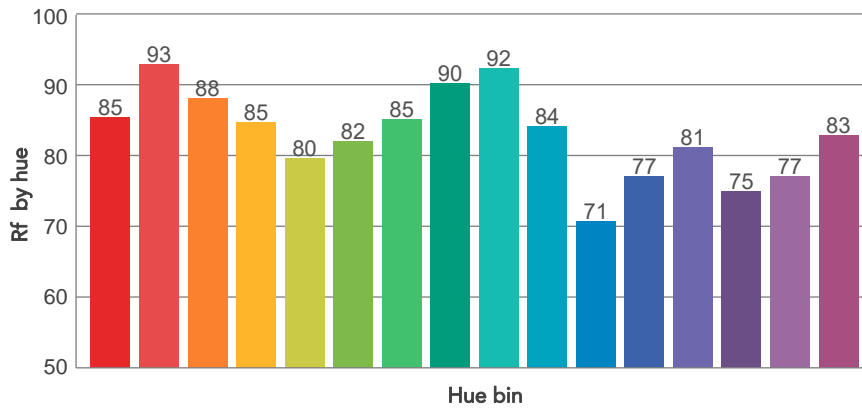
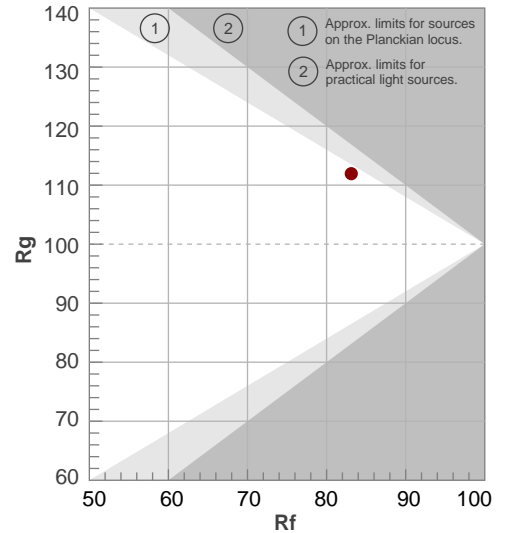
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5861 K	82,1	34,2	83,1	111,9	87,1	80	0,325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

TM30 DETAILS

Rf 83,1
Fidelity index Rf

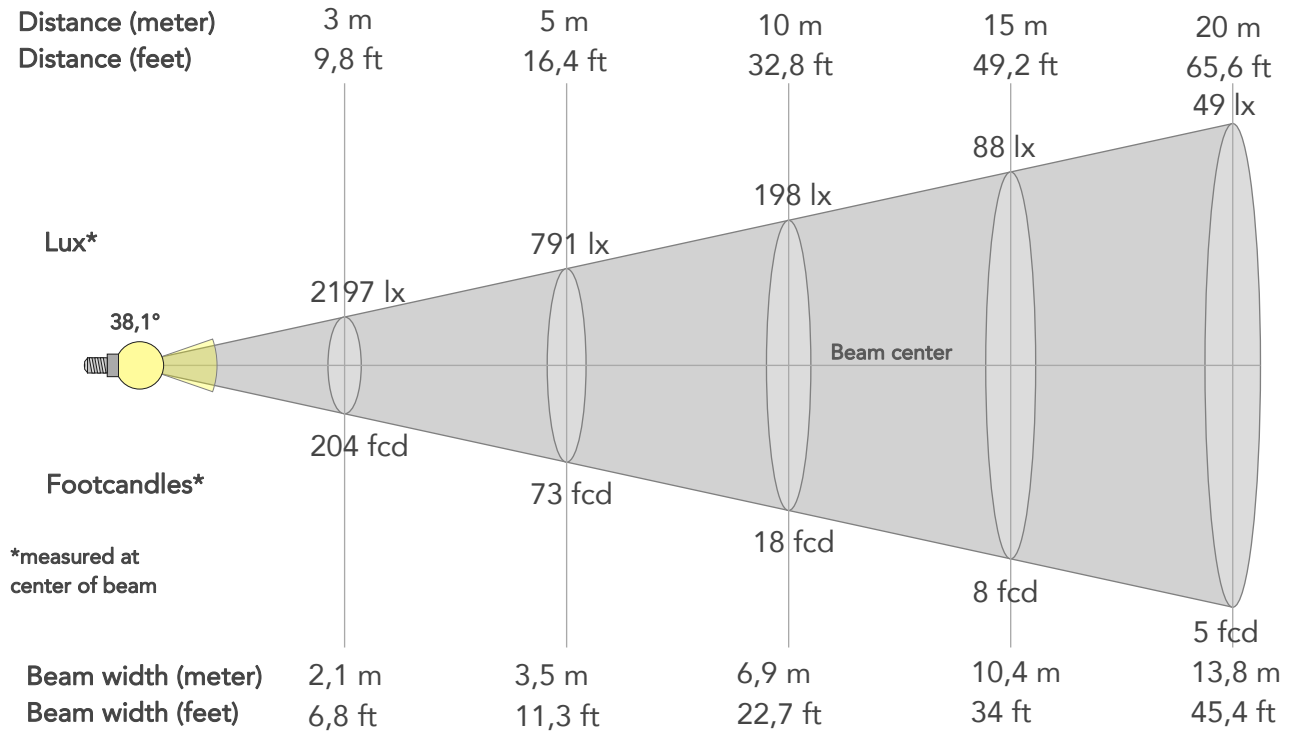
Rg 111,9
Gammut index

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

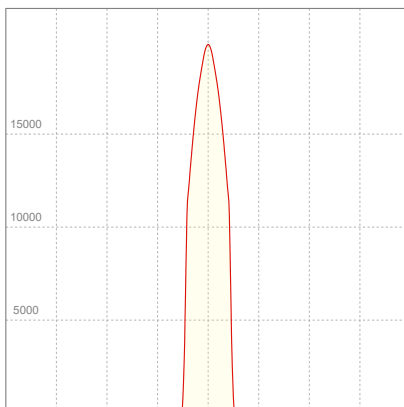
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38,1°	43,9°	45,6°	100,0%	100,0%



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

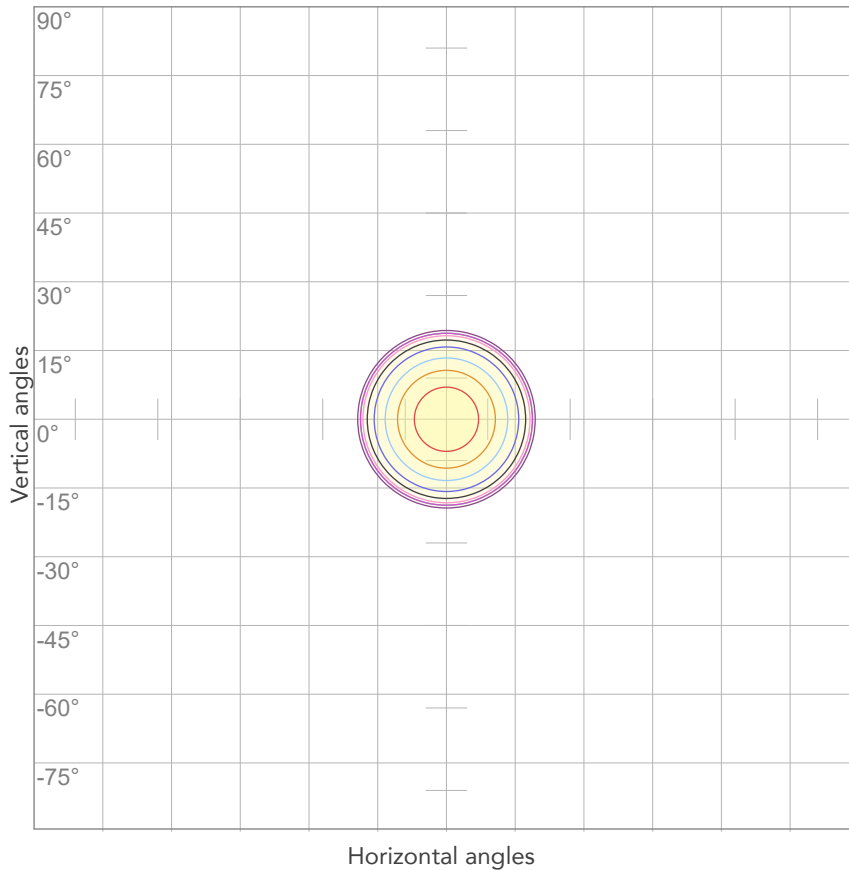
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

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

ISO CANDELA DIAGRAM



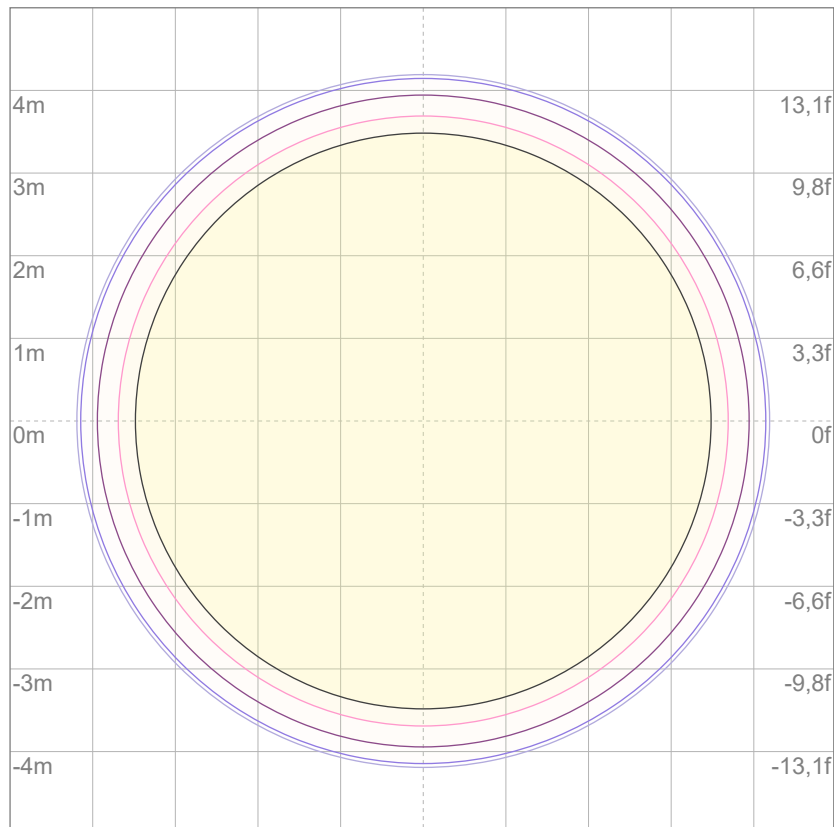
10%	1978 cd
20%	3955 cd
30%	5933 cd
40%	7911 cd
50%	9888 cd
60%	11866 cd
70%	13844 cd
80%	15822 cd

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:

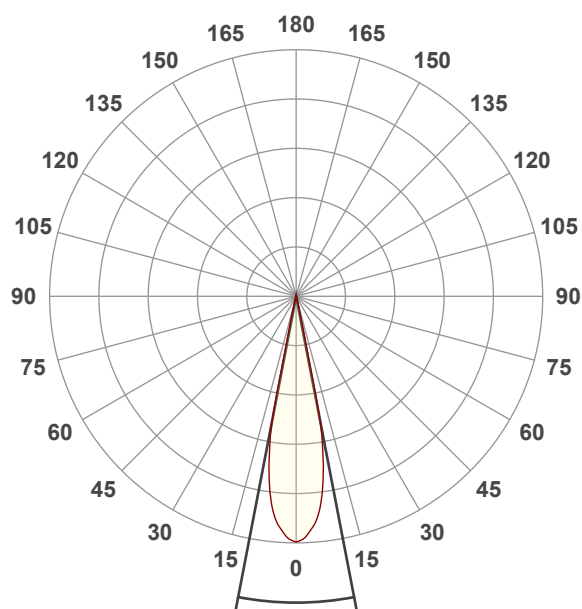
6000K

Operator:

Paolo Carvone

Date and time:

26/10/2022 13:34:21

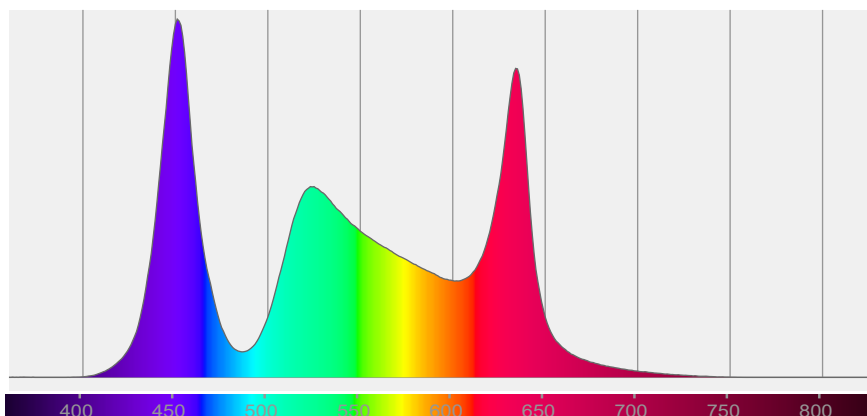


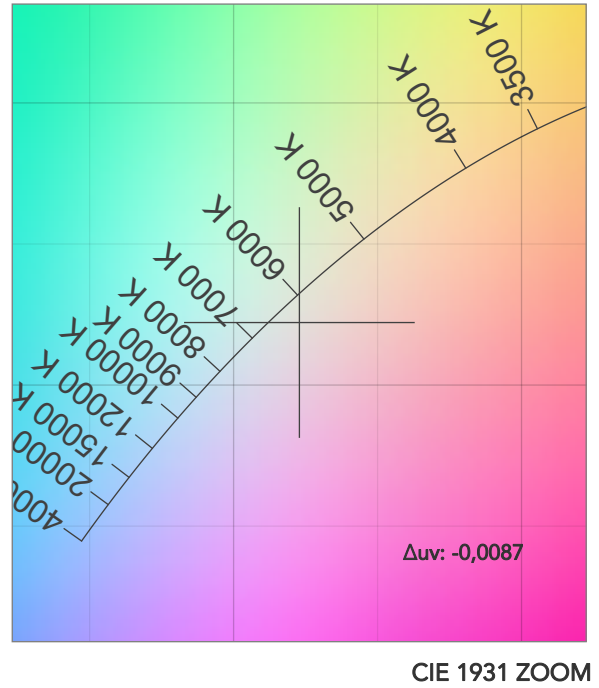
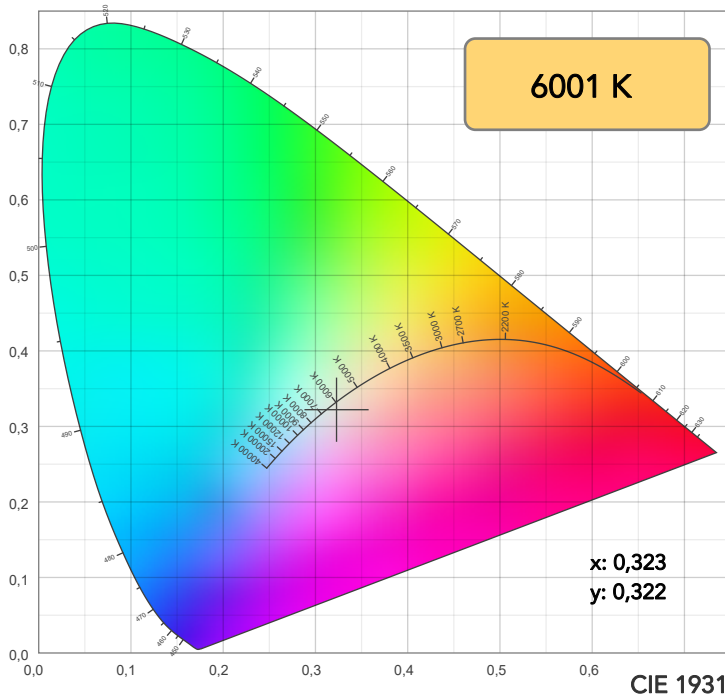
Beam angle 50%: 21,8°

Field angle 10%: 24,8°

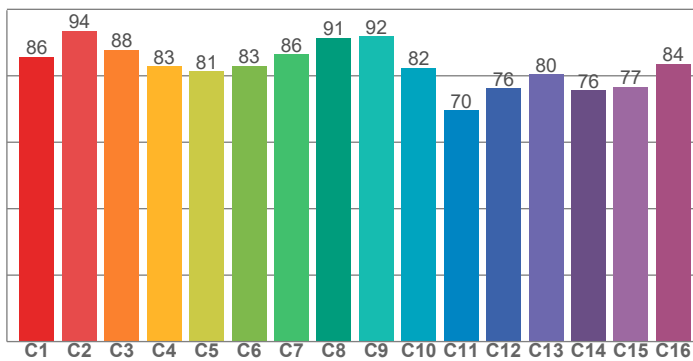
Cut off angle 2.5%: 27,1°

Spectra

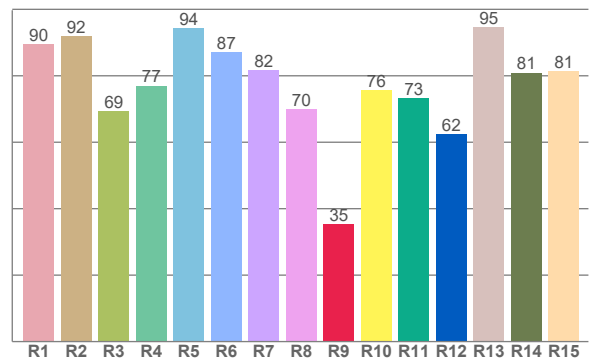




TM30: 83,1



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

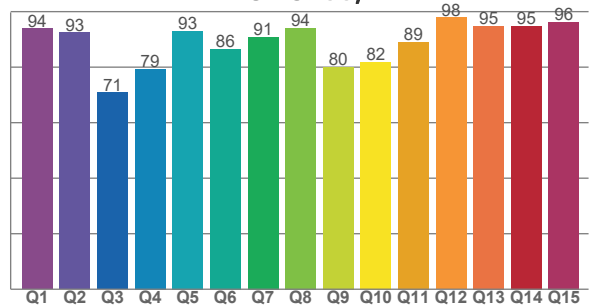
TM30 C values, 16 binned values out of total of 99 C values

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

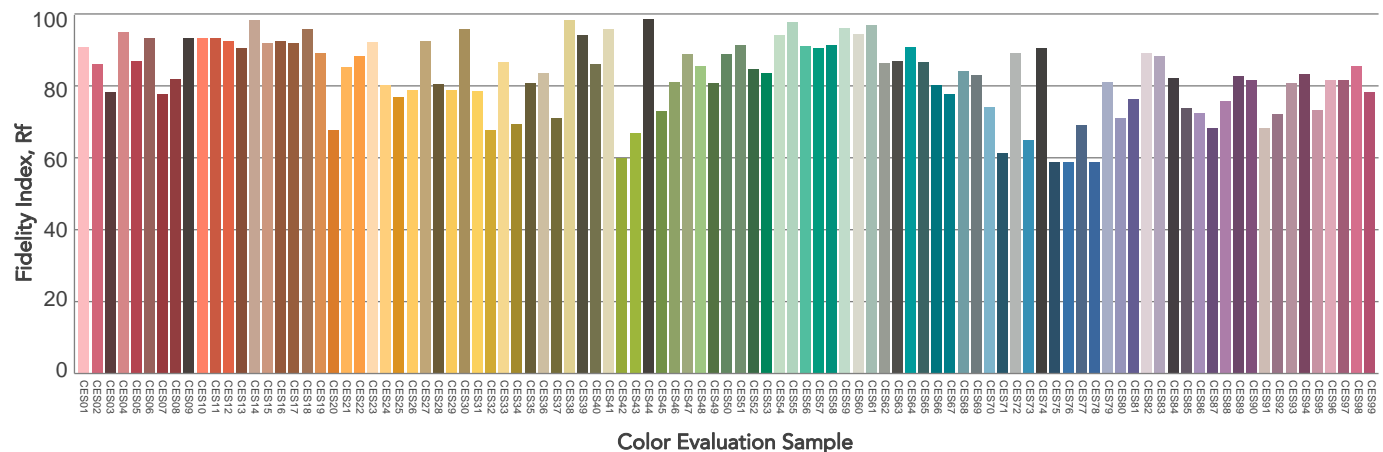
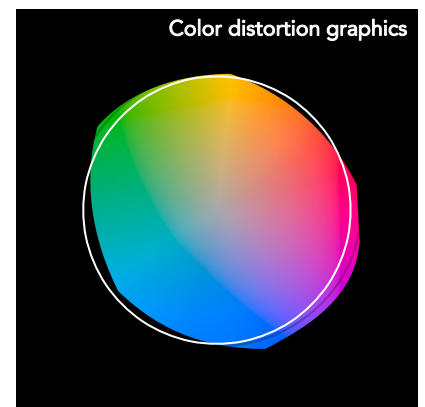
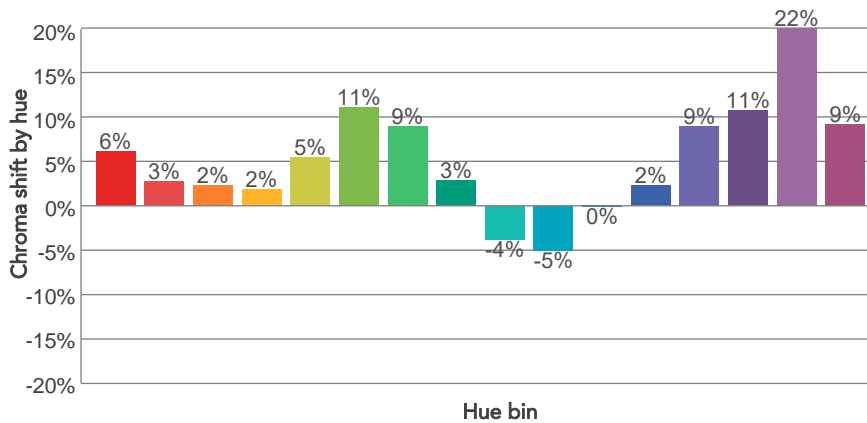
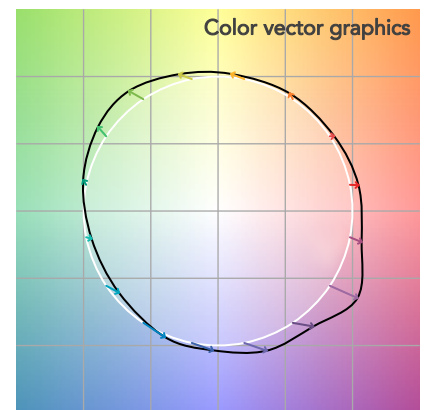
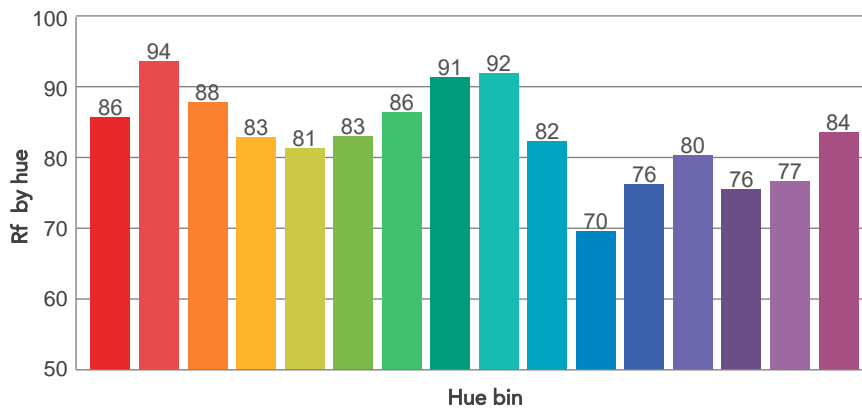
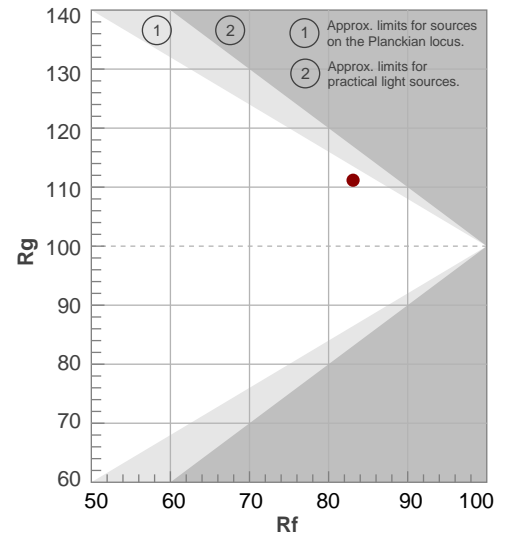
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6001 K	82,6	35,3	83,1	111,2	86,7	81	0,323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

TM30 DETAILS

Rf 83,1
Fidelity index Rf

Rg 111,2
Gammut index

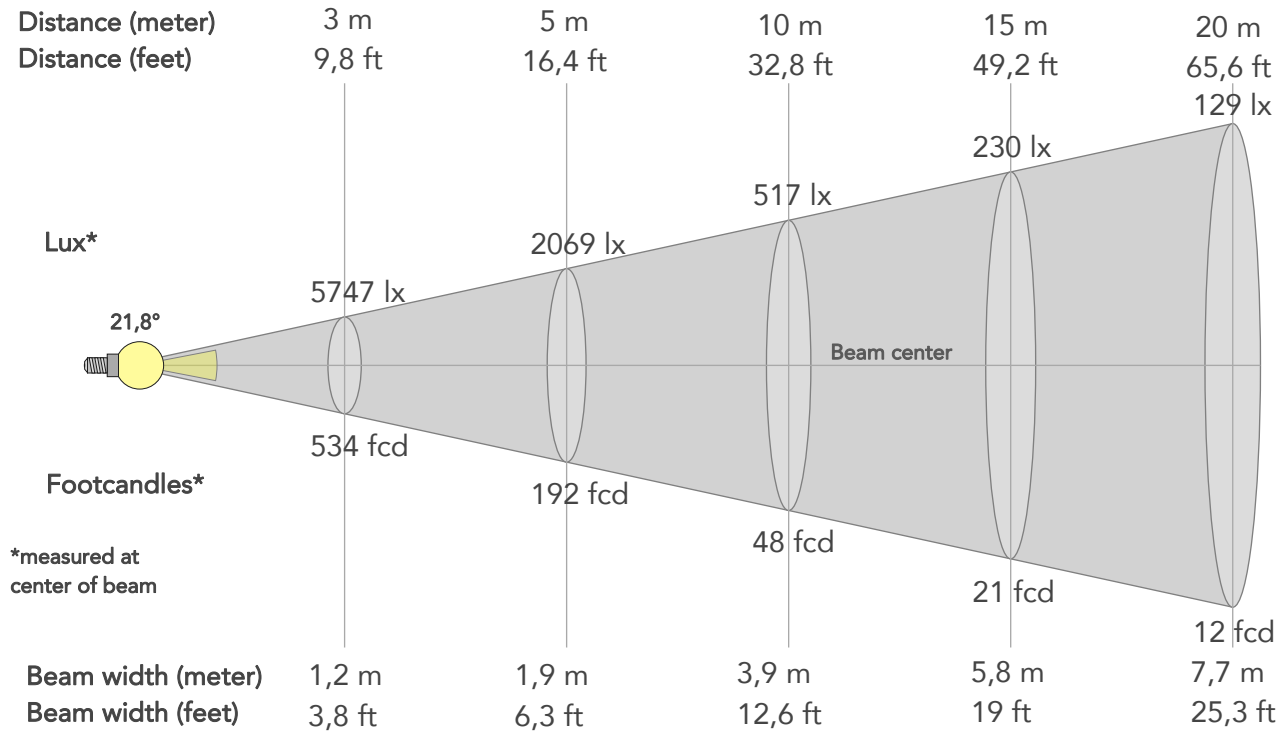
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	86	6%	-2%
2	94	3%	-2%
3	88	2%	4%
4	83	2%	10%
5	81	5%	9%
6	83	11%	6%
7	86	9%	-2%
8	91	3%	-3%
9	92	-4%	2%
10	82	-5%	10%
11	70	0%	19%
12	76	2%	16%
13	80	9%	15%
14	76	11%	11%
15	77	22%	4%
16	84	9%	-2%



BEAM DETAILS



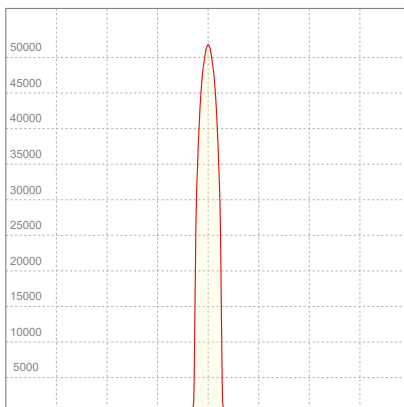
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,8°	24,8°	27,1°	100,0%	100,0%



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

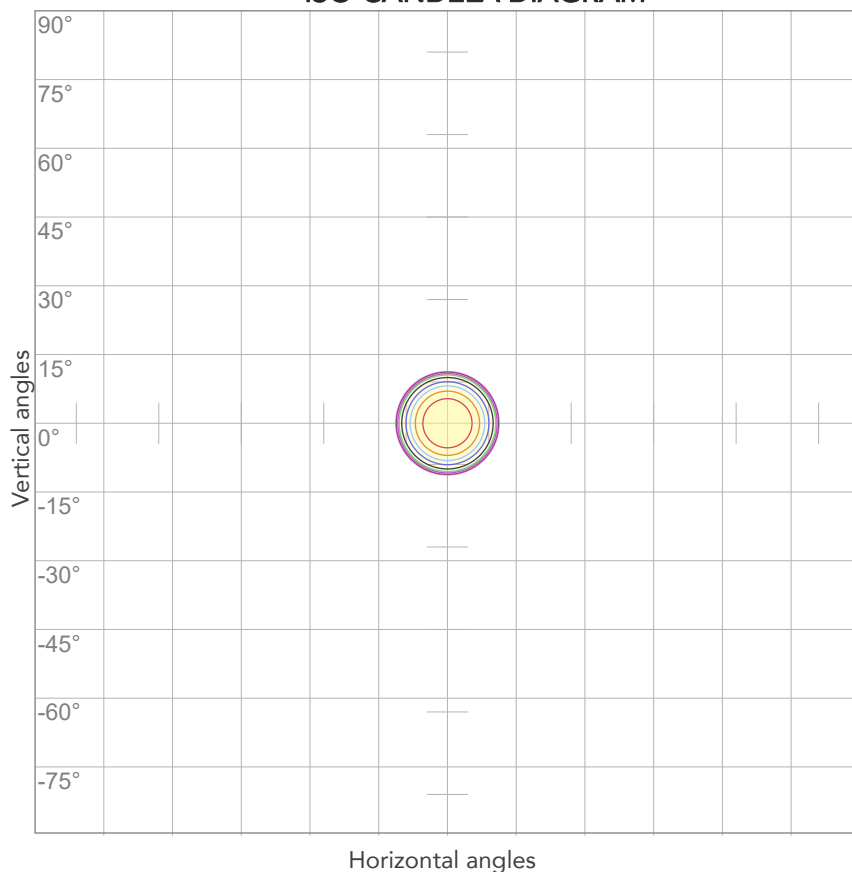
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

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

ISO CANDELA DIAGRAM



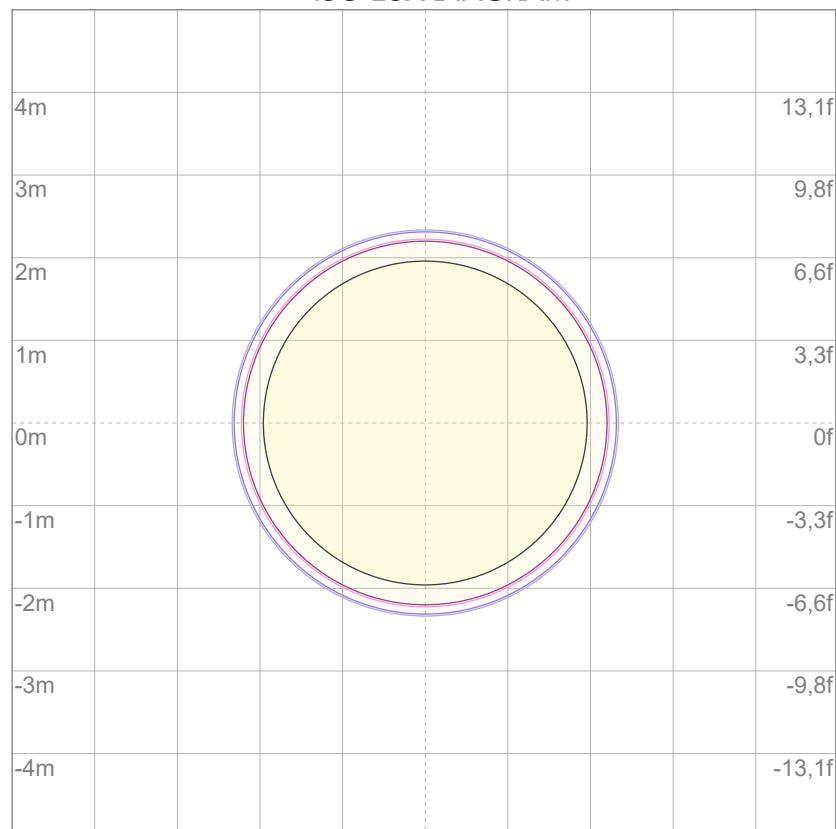
10%	5172 cd
20%	10344 cd
30%	15516 cd
40%	20688 cd
50%	25860 cd
60%	31032 cd
70%	36204 cd
80%	41376 cd

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.