



Photometric Test Report



EclDisplay XBFC

40W RGB+Lime LED Spotlight with wired
control, with

ZOOMABLE PROFILE LENS 10-20°

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Max Zoom	65
Min Zoom	70

Preset 6000K

Max Zoom	75
Min Zoom	80

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:

842 lm

Peak candela output:

10098 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 1020 Lens - Max Zoom

Target:

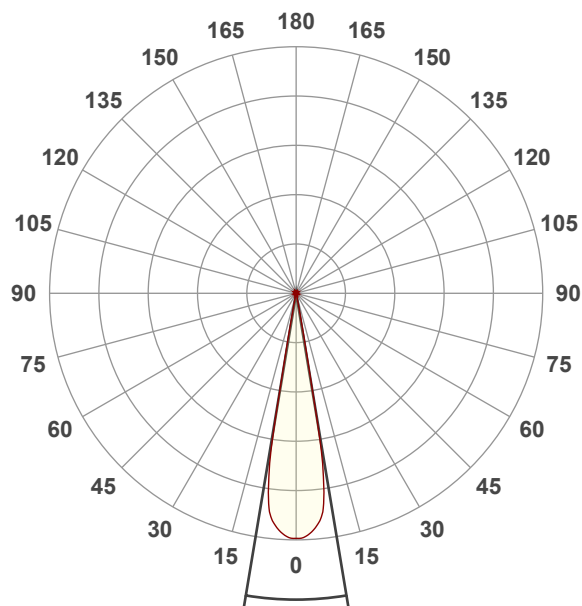
Full

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 14:57:28

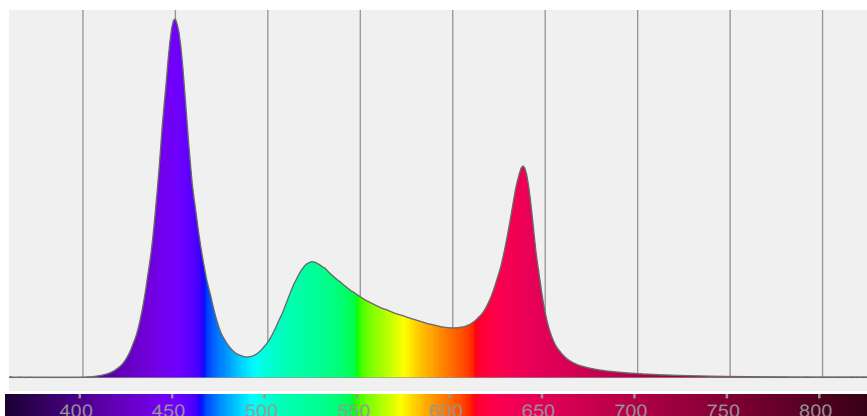


Beam angle 50%: 18,9°

Field angle 10%: 21,2°

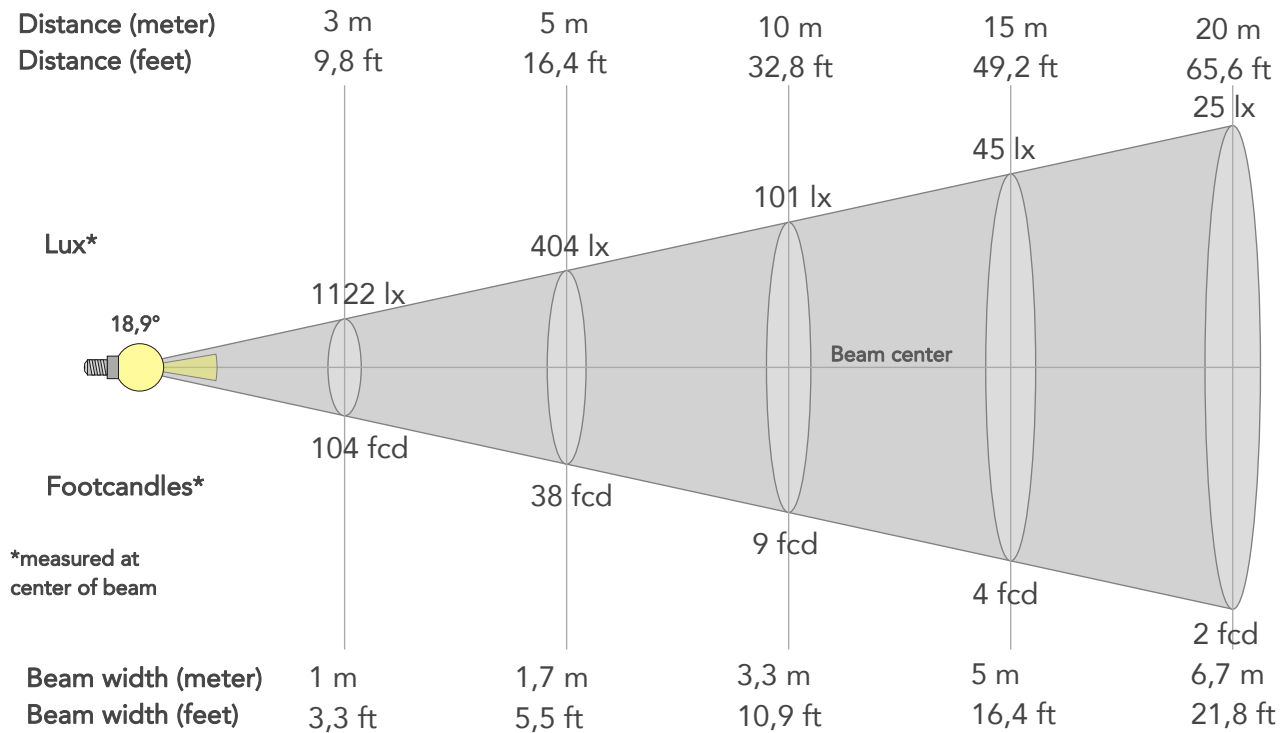
Cut off angle 2.5%: 22,1°

Spectra



BEAM DETAILS

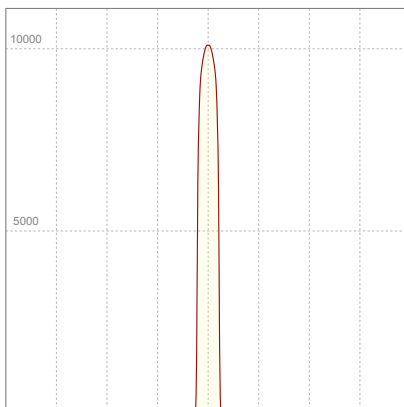
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,9°	21,2°	22,1°	96,9%	96,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	10098lx	2524lx	1122lx	631lx	404lx	180lx	101lx	45lx	25lx	16lx	11lx	6lx	4lx
Footcand.	938fcd	235fcd	104fcd	59fcd	38fcd	17fcd	9fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,7m	2,5m	3,3m	5m	6,7m	8,3m	10m	13,3m	16,7m
Beam wid.	1,1ft	2,2ft	3,3ft	4,4ft	5,5ft	8,2ft	10,9ft	16,4ft	21,8ft	27,3ft	32,8ft	43,7ft	54,6ft

LINEAR DISTRIBUTION DIAGRAM

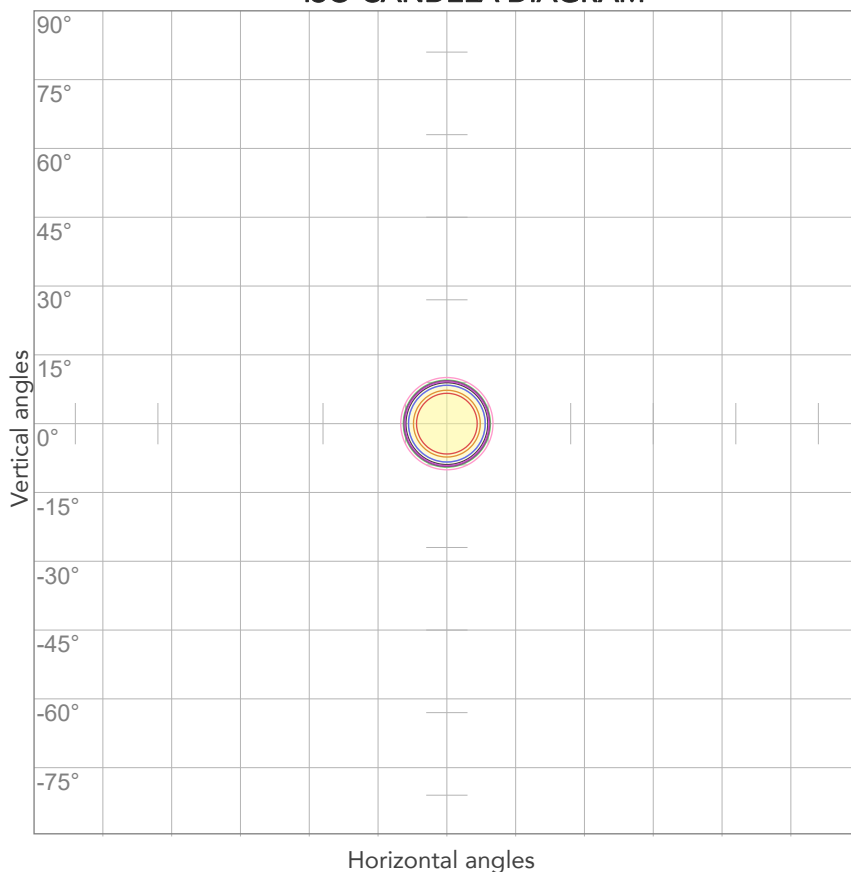


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,217A	45,8W	0,93	18lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



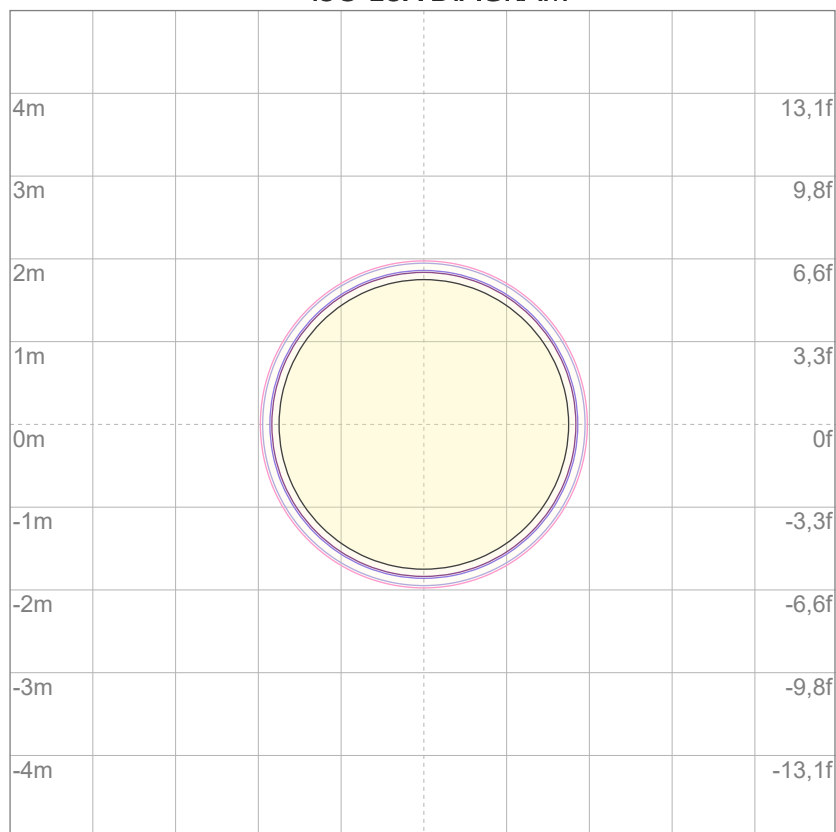
10%	1010 cd
20%	2020 cd
30%	3029 cd
40%	4039 cd
50%	5049 cd
60%	6059 cd
70%	7068 cd
80%	8078 cd

Conditions:

Number of c-planes: 2

Candela at center: 10098 cd

ISO LUX DIAGRAM



3%	3,03 lx
5%	5,05 lx
10%	10,1 lx
30%	30,3 lx
50%	50,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 101 lx

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



Total lumen output:

865 lm

Peak candela output:

36182 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 1020 Lens - Min Zoom

Target:

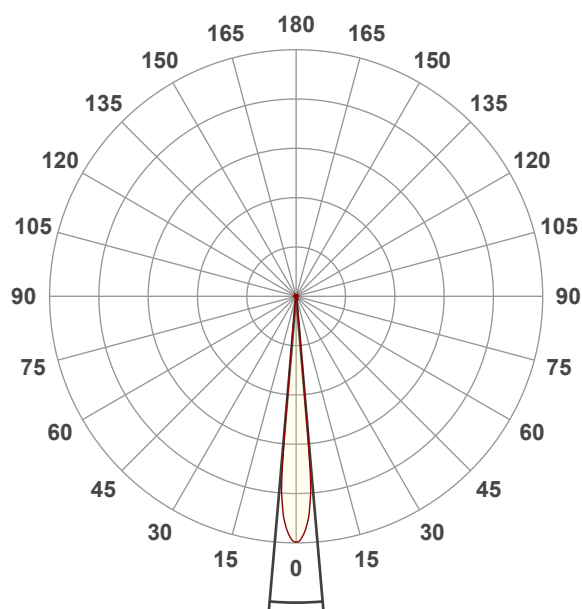
Full On

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 16:31:19

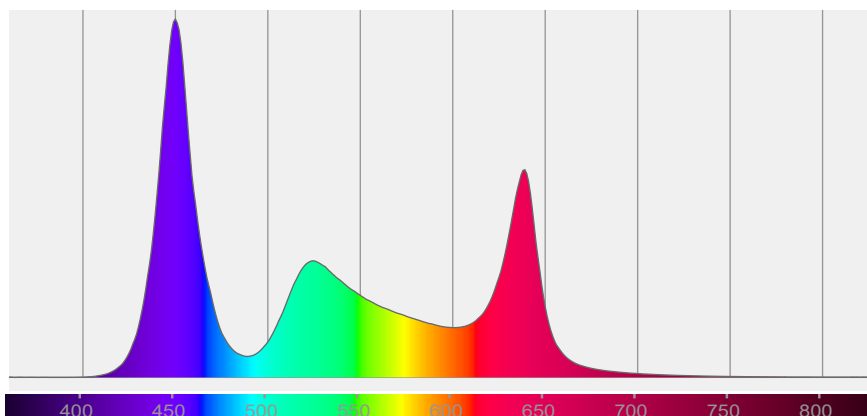


Beam angle 50%: 9,9°

Field angle 10%: 11,6°

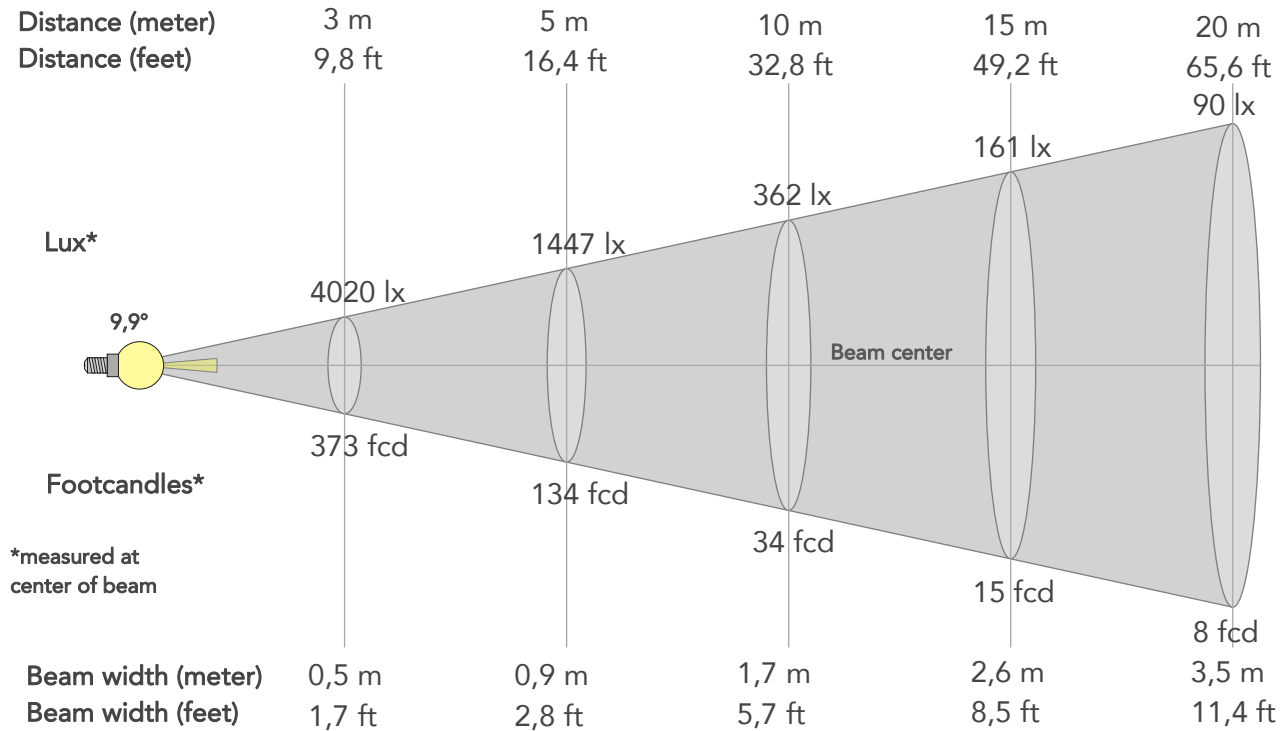
Cut off angle 2.5%: 12,9°

Spectra



BEAM DETAILS

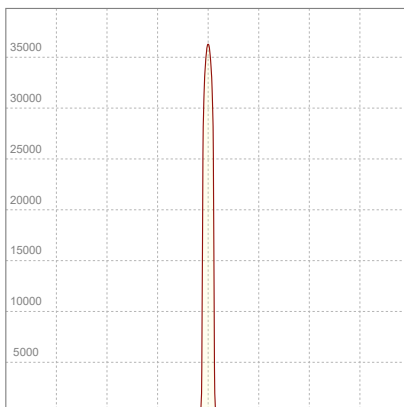
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,9°	11,6°	12,9°	96,7%	95,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	36182lx	9045lx	4020lx	2261lx	1447lx	643lx	362lx	161lx	90lx	58lx	40lx	23lx	14lx
Footcand.	3361fcd	840fcd	373fcd	210fcd	134fcd	60fcd	34fcd	15fcd	8fcd	5fcd	4fcd	2fcd	1fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,5m	4,3m	5,2m	6,9m	8,7m
Beam wid.	0,6ft	1,1ft	1,7ft	2,3ft	2,8ft	4,3ft	5,7ft	8,5ft	11,4ft	14,2ft	17,1ft	22,8ft	28,5ft

LINEAR DISTRIBUTION DIAGRAM

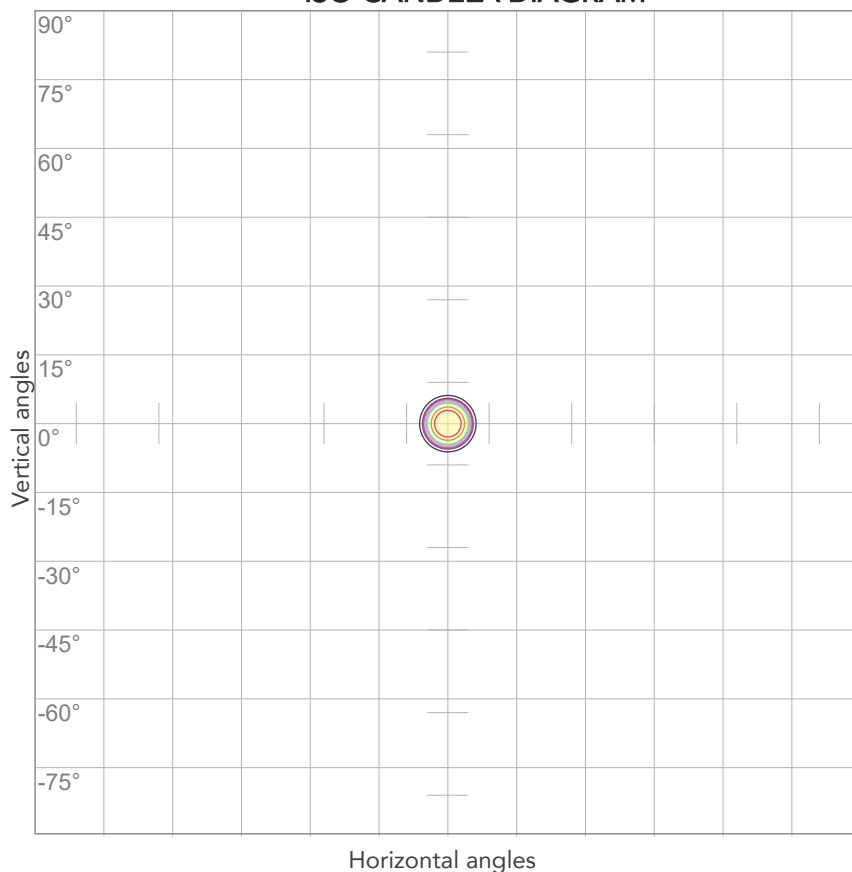


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,216A	45,4W	0,93	19lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



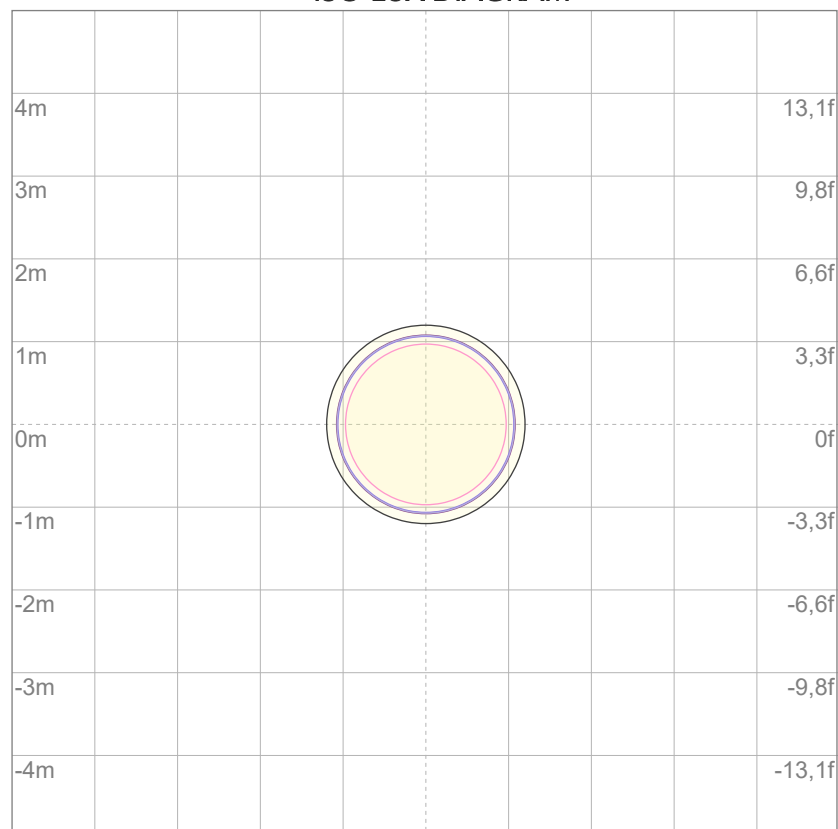
10%	3618 cd
20%	7236 cd
30%	10855 cd
40%	14473 cd
50%	18091 cd
60%	21709 cd
70%	25327 cd
80%	28945 cd

Conditions:

Number of c-planes: 2

Candela at center: 36182 cd

ISO LUX DIAGRAM



3%	10,9 lx
5%	18,1 lx
10%	36,2 lx
30%	109 lx
50%	181 lx

Conditions:

Number of c-planes: 2

Lux at center: 362 lx

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



Total lumen output:

130 lm

Peak candela output:

1495 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 1020 Lens - Max Zoom

Target:

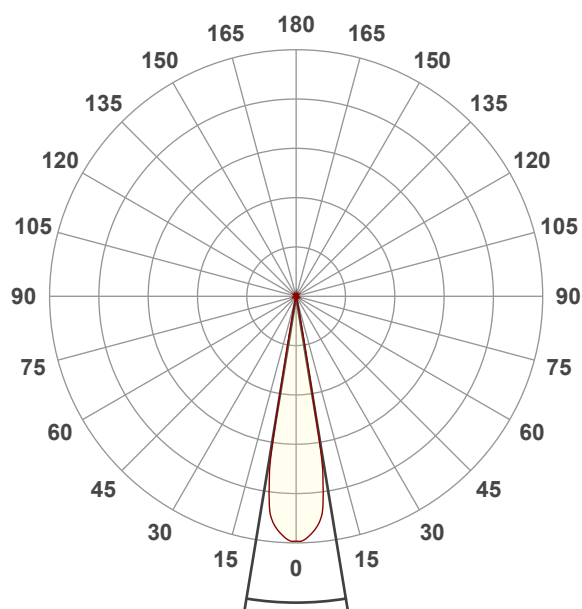
Red

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 15:00:44

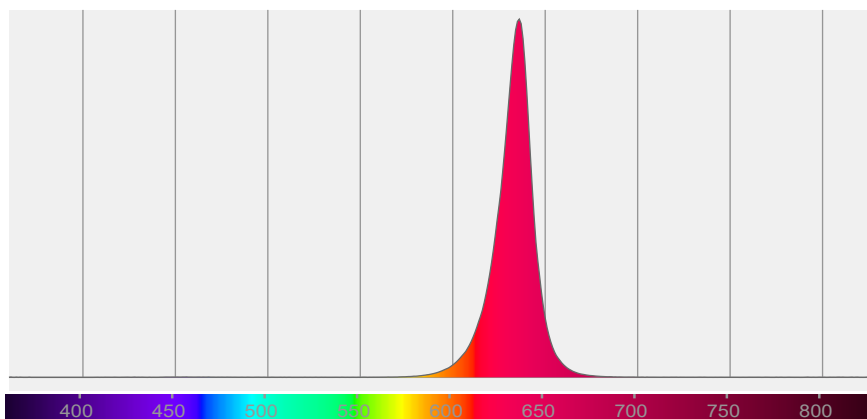


Beam angle 50%: 18,7°

Field angle 10%: 21°

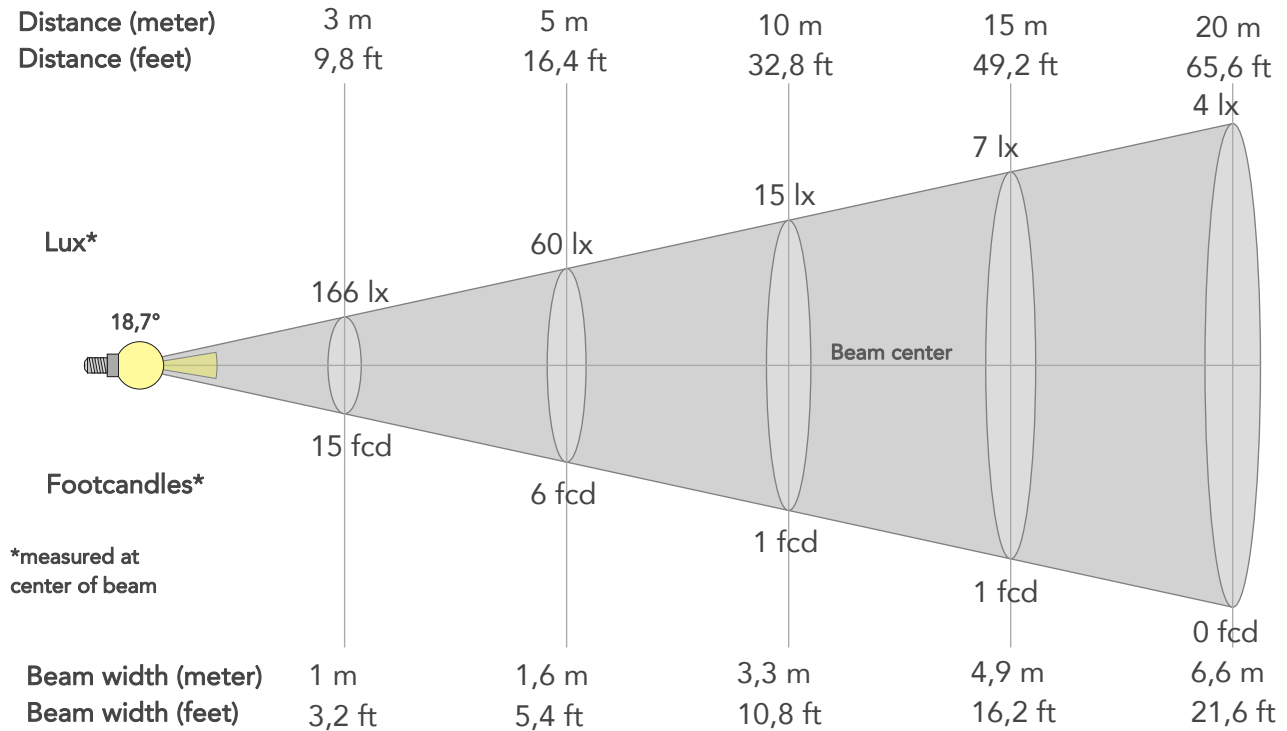
Cut off angle 2.5%: 21,8°

Spectra



BEAM DETAILS

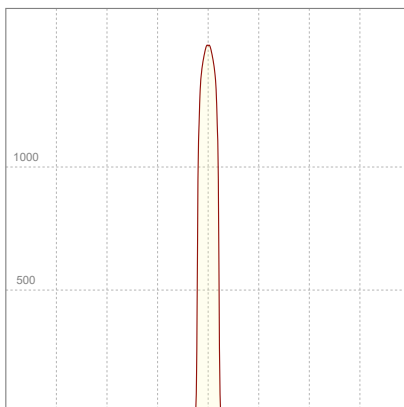
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,7°	21°	21,8°	93,0%	91,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1493lx	373lx	166lx	93lx	60lx	27lx	15lx	7lx	4lx	2lx	2lx	1lx	1lx
Footcand.	139fcd	35fcd	15fcd	9fcd	6fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,6m	2,5m	3,3m	4,9m	6,6m	8,2m	9,9m	13,2m	16,4m
Beam wid.	1,1ft	2,2ft	3,2ft	4,3ft	5,4ft	8,1ft	10,8ft	16,2ft	21,6ft	27ft	32,4ft	43,1ft	53,9ft

LINEAR DISTRIBUTION DIAGRAM

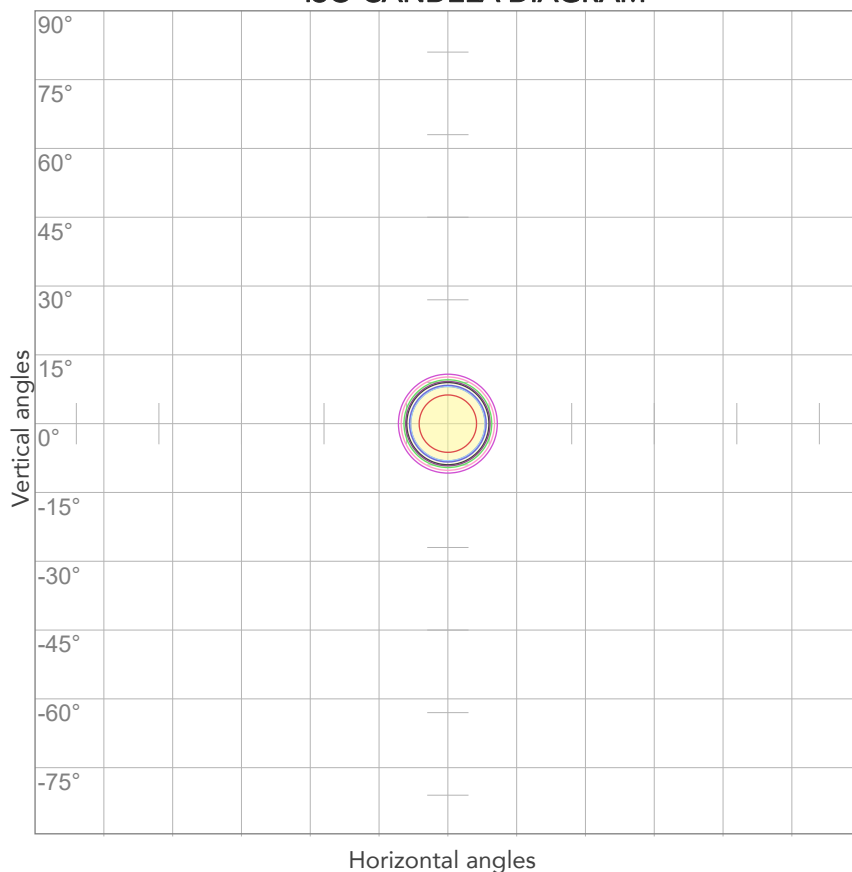


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,075A	8,8W	0,51	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



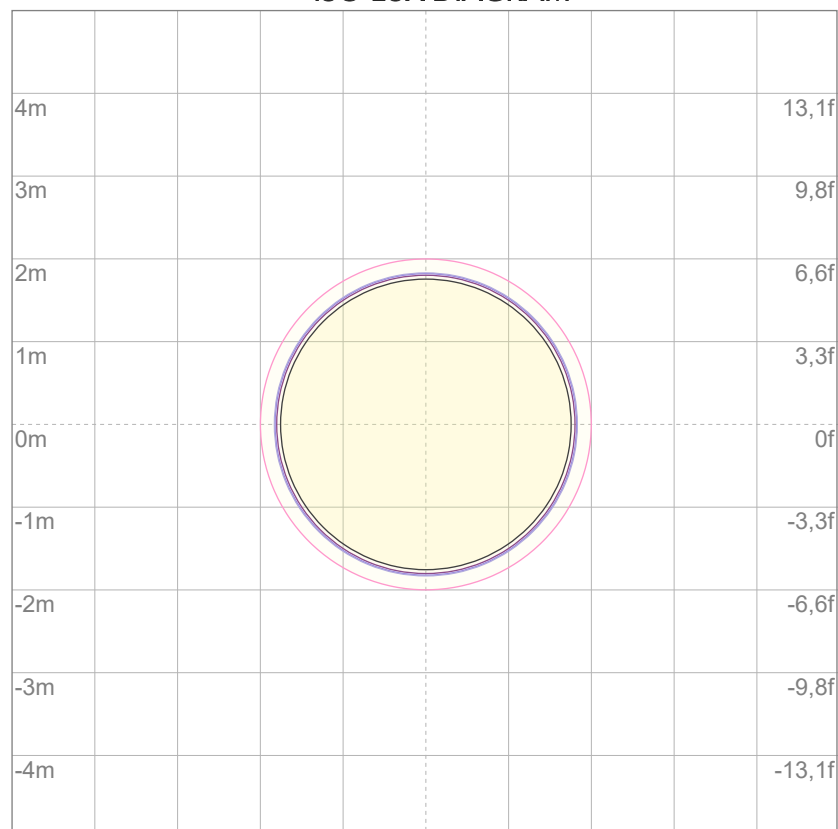
10%	149 cd
20%	299 cd
30%	448 cd
40%	597 cd
50%	747 cd
60%	896 cd
70%	1045 cd
80%	1195 cd

Conditions:

Number of c-planes: 2

Candela at center: 1493 cd

ISO LUX DIAGRAM



3%	0,448 lx
5%	0,747 lx
10%	1,49 lx
30%	4,48 lx
50%	7,47 lx

Conditions:

Number of c-planes: 2

Lux at center: 14,9 lx

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



Total lumen output:

153 lm

Peak candela output:

5186 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 1020 Lens - Min Zoom

Target:

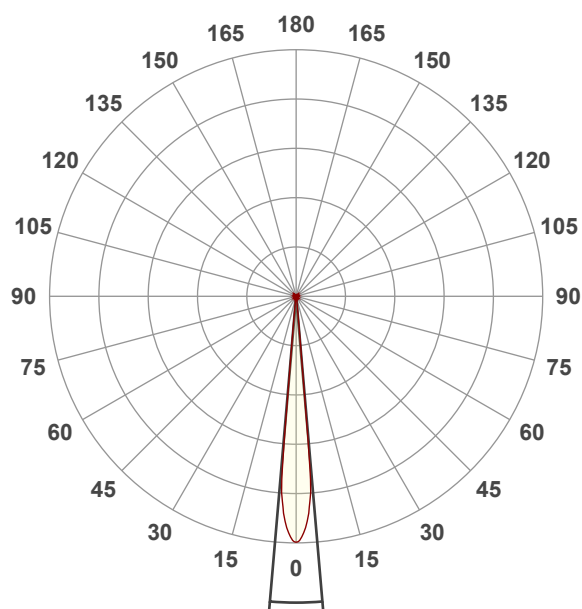
Red

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 16:33:30

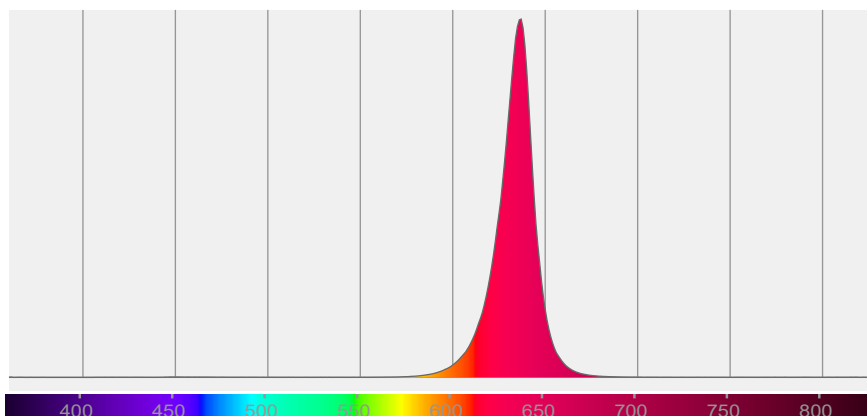


Beam angle 50%: 9,8°

Field angle 10%: 11,3°

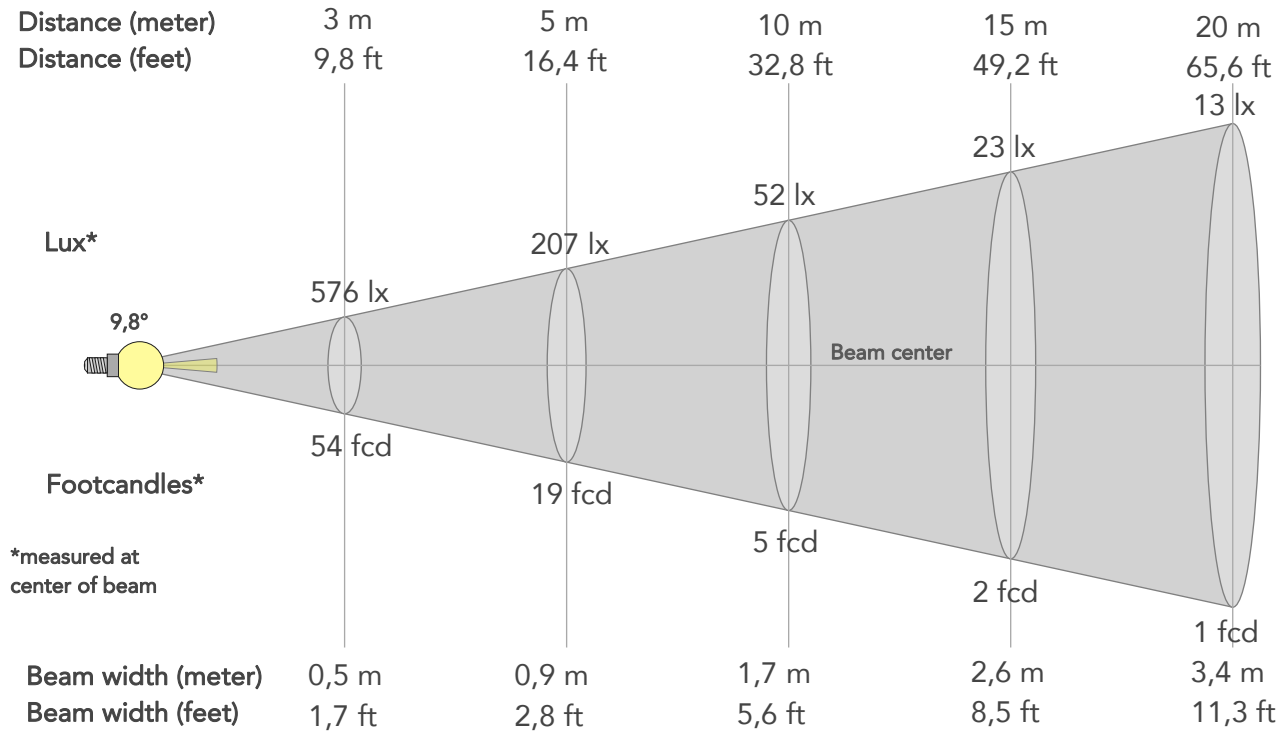
Cut off angle 2.5%: 12,8°

Spectra



BEAM DETAILS

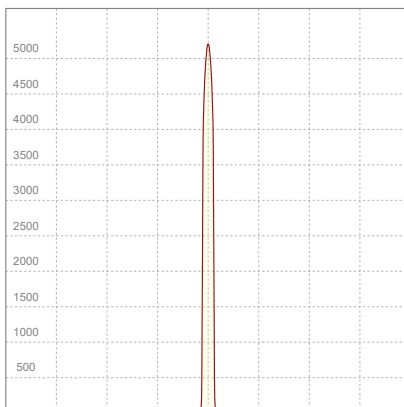
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,8°	11,3°	12,8°	86,8%	81,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5186lx	1297lx	576lx	324lx	207lx	92lx	52lx	23lx	13lx	8lx	6lx	3lx	2lx
Footcand.	482fcd	120fcd	54fcd	30fcd	19fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,4m	4,3m	5,2m	6,9m	8,6m
Beam wid.	0,6ft	1,1ft	1,7ft	2,3ft	2,8ft	4,2ft	5,6ft	8,5ft	11,3ft	14,1ft	16,9ft	22,6ft	28,2ft

LINEAR DISTRIBUTION DIAGRAM

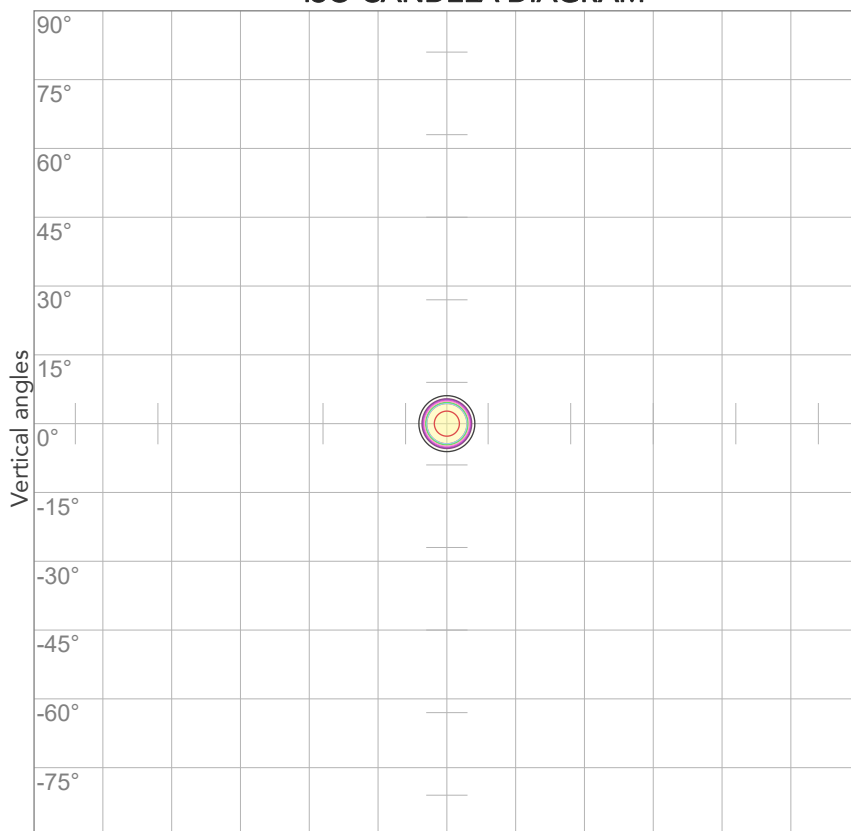


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,082A	8,1W	0,44	19lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



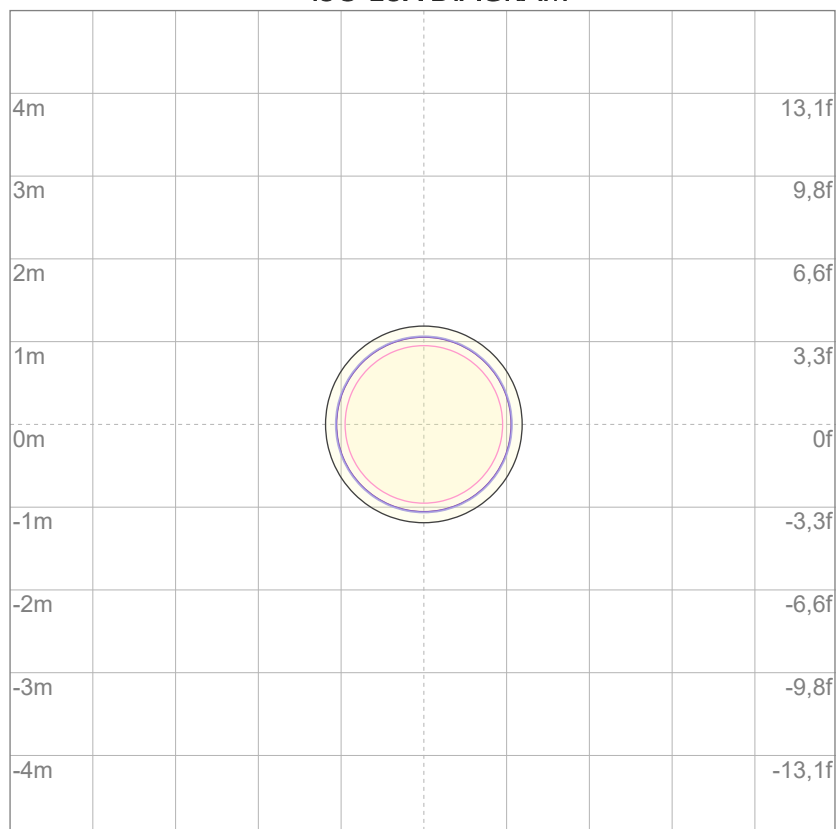
10%	519 cd
20%	1037 cd
30%	1556 cd
40%	2075 cd
50%	2593 cd
60%	3112 cd
70%	3631 cd
80%	4149 cd

Conditions:

Number of c-planes: 2

Candela at center: 5186 cd

ISO LUX DIAGRAM



3%	1,56 lx
5%	2,59 lx
10%	5,19 lx
30%	15,6 lx
50%	25,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 51,9 lx

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



Total lumen output:

193 lm

Peak candela output:

2291 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 1020 Lens - Max Zoom

Target:

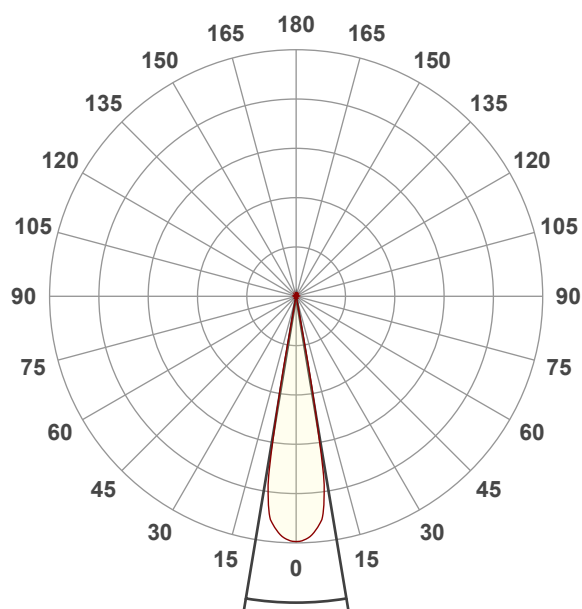
Green

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 15:03:20

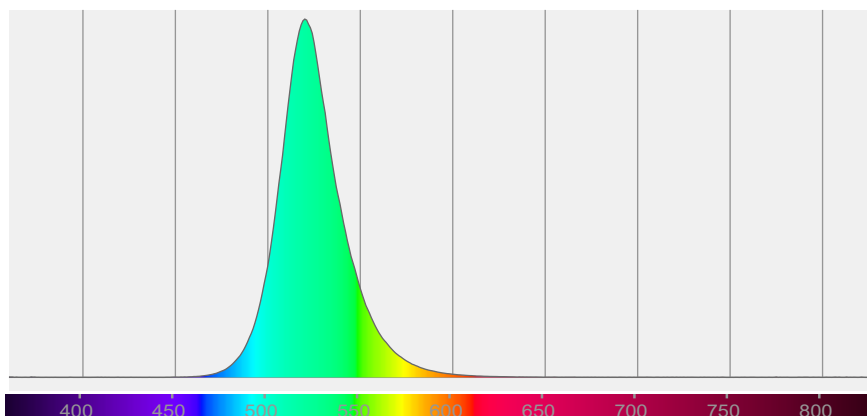


Beam angle 50%: 18,9°

Field angle 10%: 21,2°

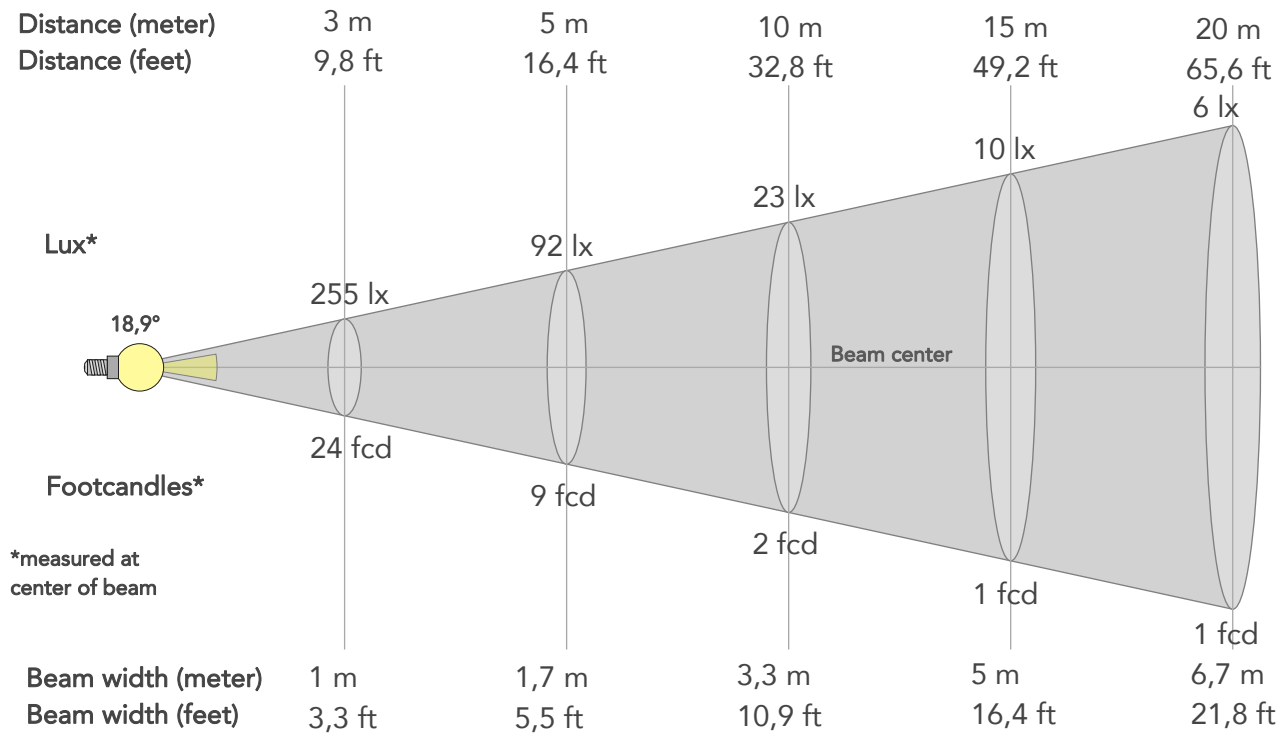
Cut off angle 2.5%: 21,6°

Spectra



BEAM DETAILS

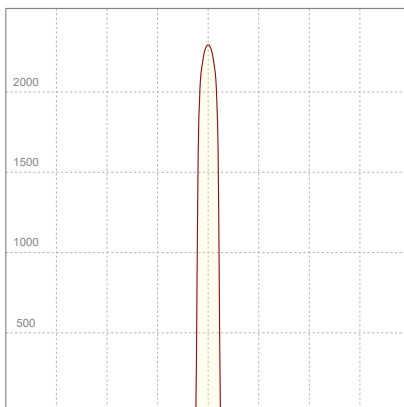
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,9°	21,2°	21,6°	97,1%	96,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2291lx	573lx	255lx	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.	0,3m	0,7m	1m	1,3m	1,7m	2,5m	3,3m	5m	6,7m	8,3m	10m	13,3m	16,6m
Beam wid.	1,1ft	2,2ft	3,3ft	4,4ft	5,5ft	8,2ft	10,9ft	16,4ft	21,8ft	27,3ft	32,7ft	43,7ft	54,6ft

LINEAR DISTRIBUTION DIAGRAM

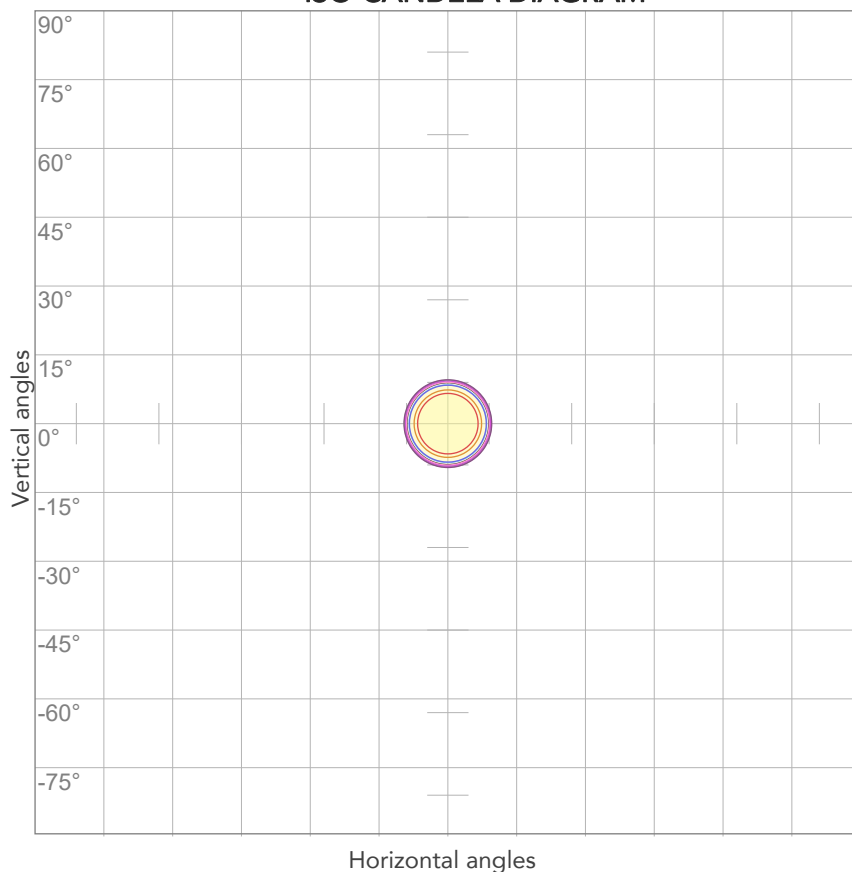


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,081A	10,3W	0,56	19lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



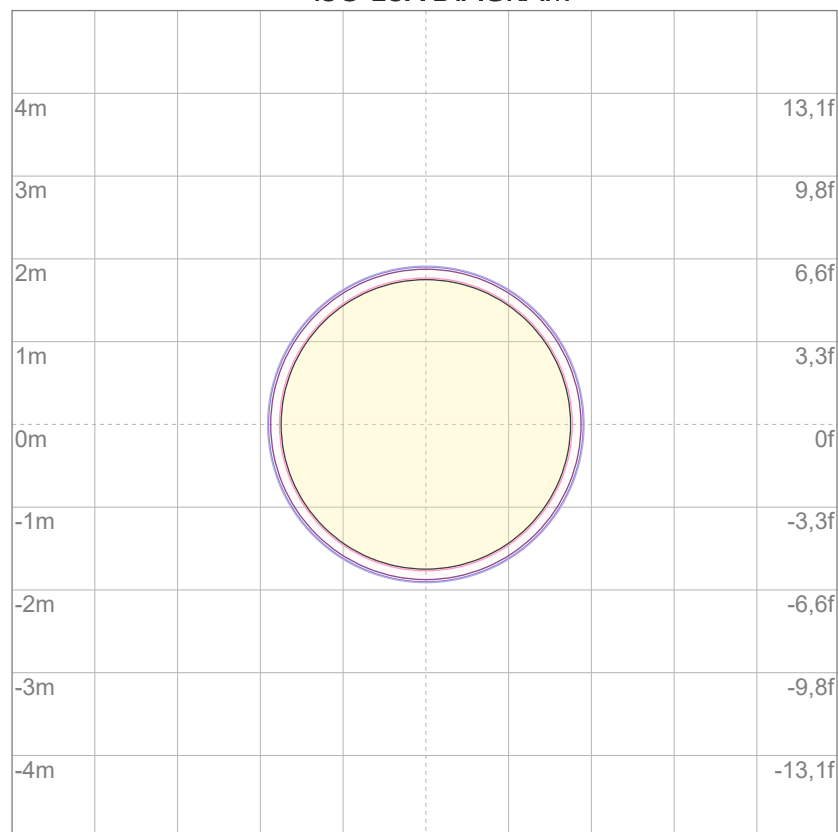
10%	229 cd
20%	458 cd
30%	687 cd
40%	916 cd
50%	1146 cd
60%	1375 cd
70%	1604 cd
80%	1833 cd

Conditions:

Number of c-planes: 2

Candela at center: 2291 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:

221 lm

Peak candela output:

8385 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 1020 Lens - Min Zoom

Target:

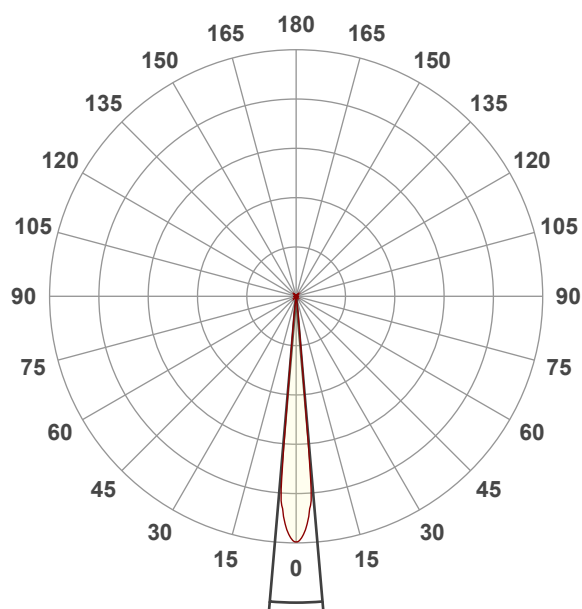
Green

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 16:35:50

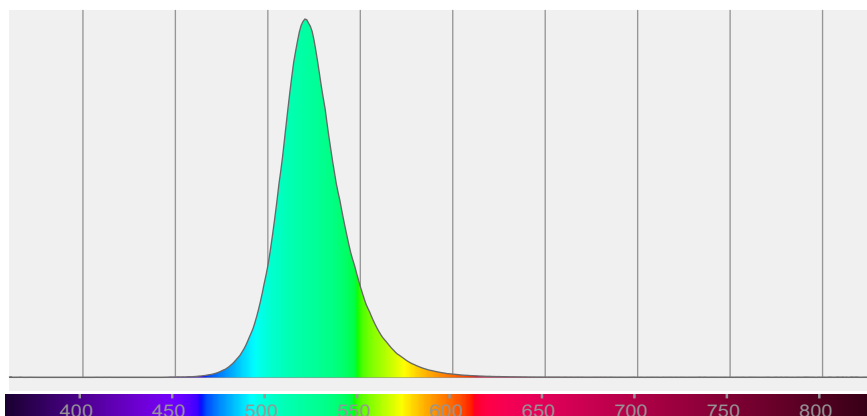


Beam angle 50%: 9,9°

Field angle 10%: 11,7°

Cut off angle 2.5%: 12,8°

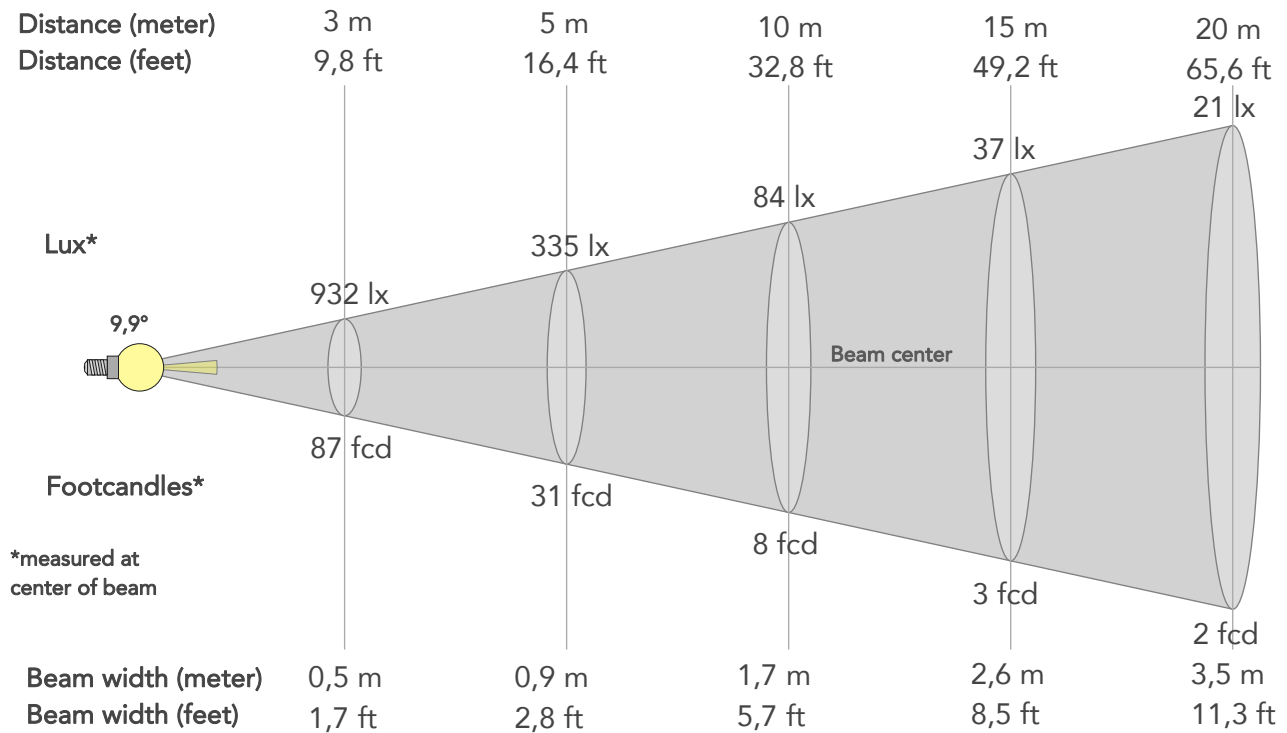
Spectra



BEAM DETAILS



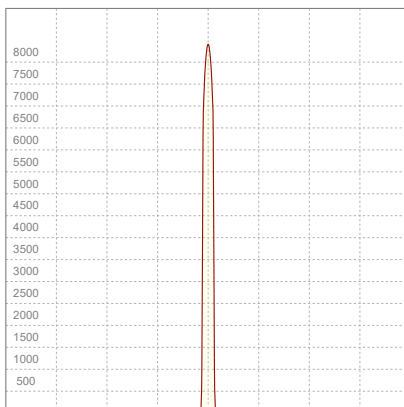
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,9°	11,7°	12,8°	89,6%	87,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	8385lx	2096lx	932lx	524lx	335lx	149lx	84lx	37lx	21lx	13lx	9lx	5lx	3lx
Footcand.	779fcd	195fcd	87fcd	49fcd	31fcd	14fcd	8fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,5m	4,3m	5,2m	6,9m	8,6m
Beam wid.	0,6ft	1,1ft	1,7ft	2,3ft	2,8ft	4,3ft	5,7ft	8,5ft	11,3ft	14,2ft	17ft	22,7ft	28,3ft

LINEAR DISTRIBUTION DIAGRAM

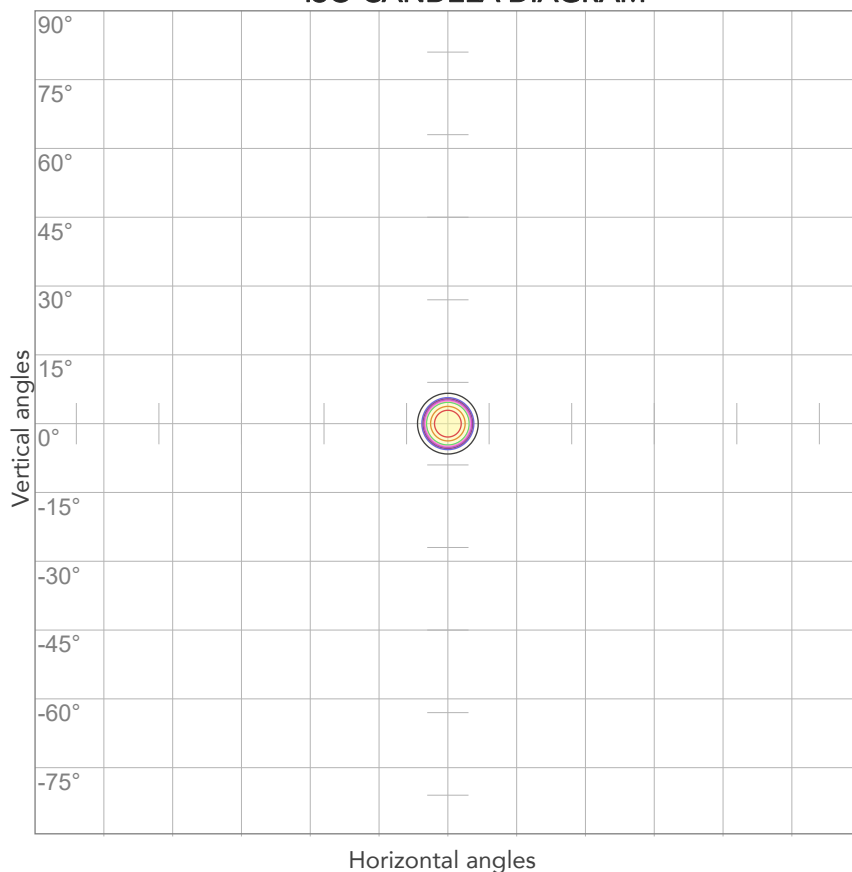


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,082A	10,2W	0,55	22lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



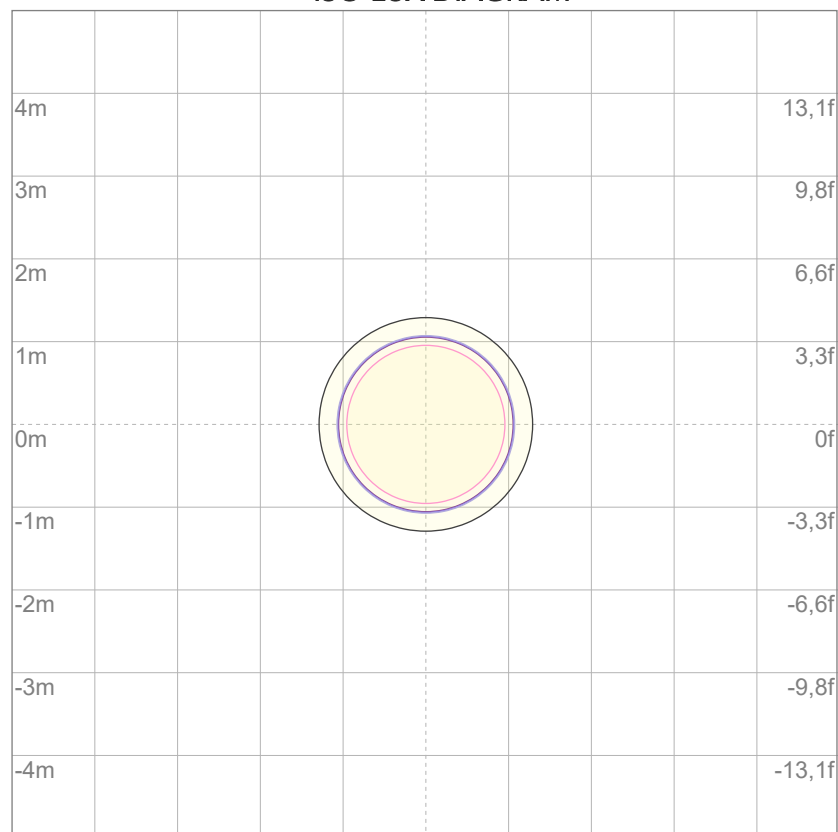
10%	838 cd
20%	1677 cd
30%	2515 cd
40%	3354 cd
50%	4192 cd
60%	5031 cd
70%	5869 cd
80%	6708 cd

Conditions:

Number of c-planes: 2

Candela at center: 8385 cd

ISO LUX DIAGRAM



3%	2,52 lx
5%	4,19 lx
10%	8,38 lx
30%	25,2 lx
50%	41,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 83,8 lx

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



Total lumen output:

85,2 lm

Peak candela output:

669 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 1020 Lens - Max Zoom

Target:

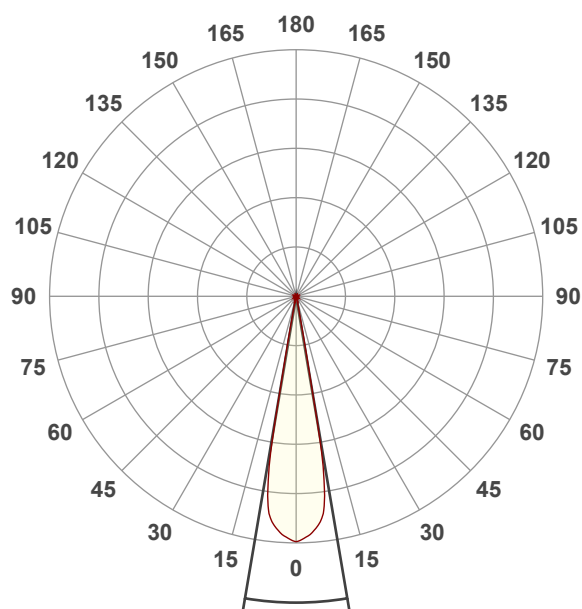
Blue

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 15:09:12

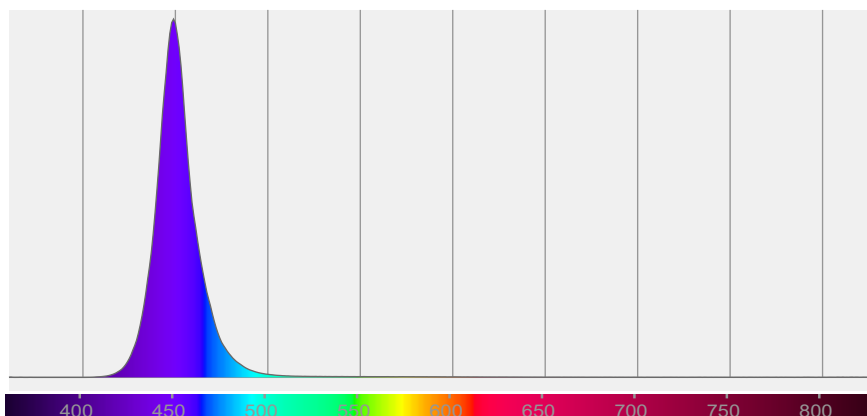


Beam angle 50%: 19,2°

Field angle 10%: 21,5°

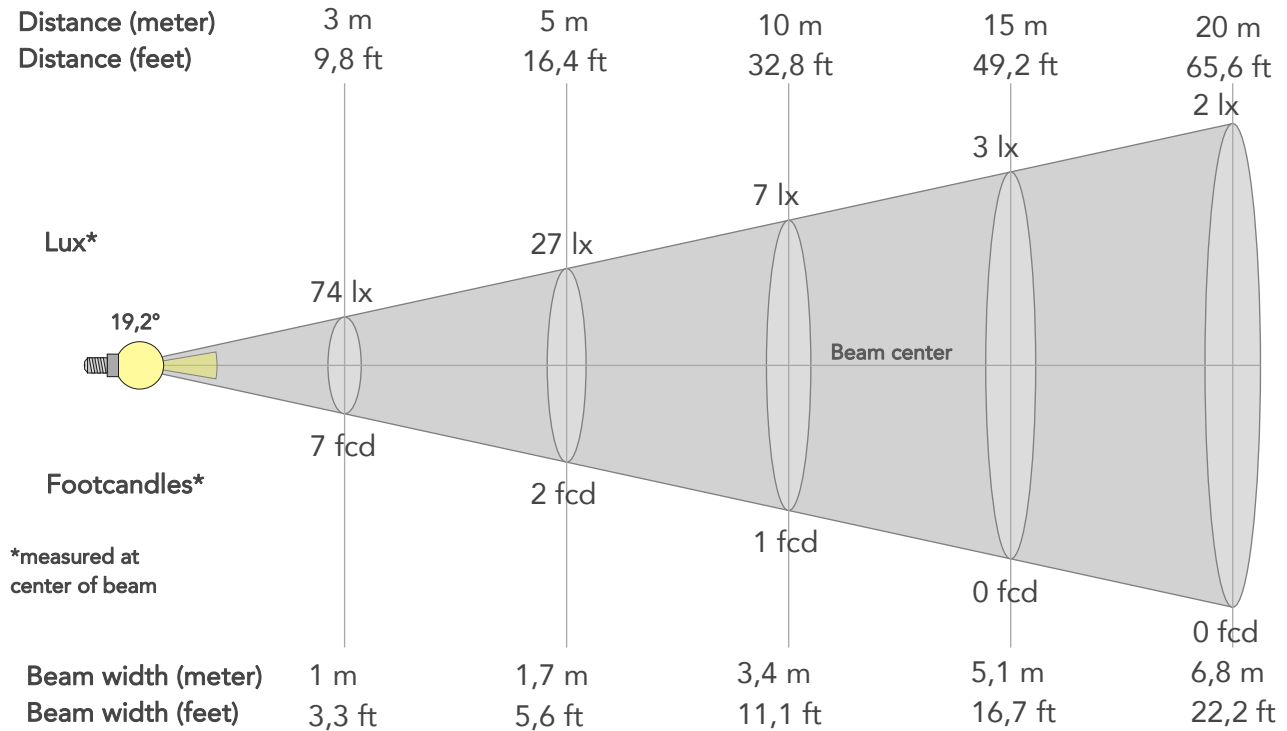
Cut off angle 2.5%: 22,5°

Spectra



BEAM DETAILS

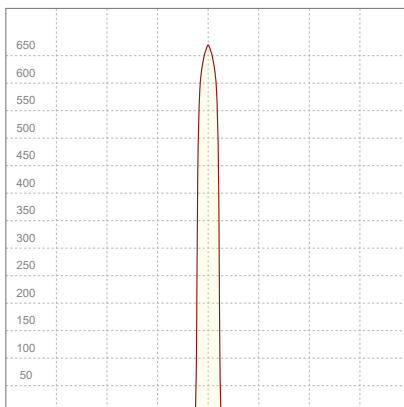
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
19,2°	21,5°	22,5°	76,2%	71,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	669lx	167lx	74lx	42lx	27lx	12lx	7lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	62fcd	16fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,4m	1,7m	2,5m	3,4m	5,1m	6,8m	8,5m	10,2m	13,6m	16,9m
Beam wid.	1,1ft	2,2ft	3,3ft	4,4ft	5,6ft	8,3ft	11,1ft	16,7ft	22,2ft	27,8ft	33,3ft	44,5ft	55,6ft

LINEAR DISTRIBUTION DIAGRAM

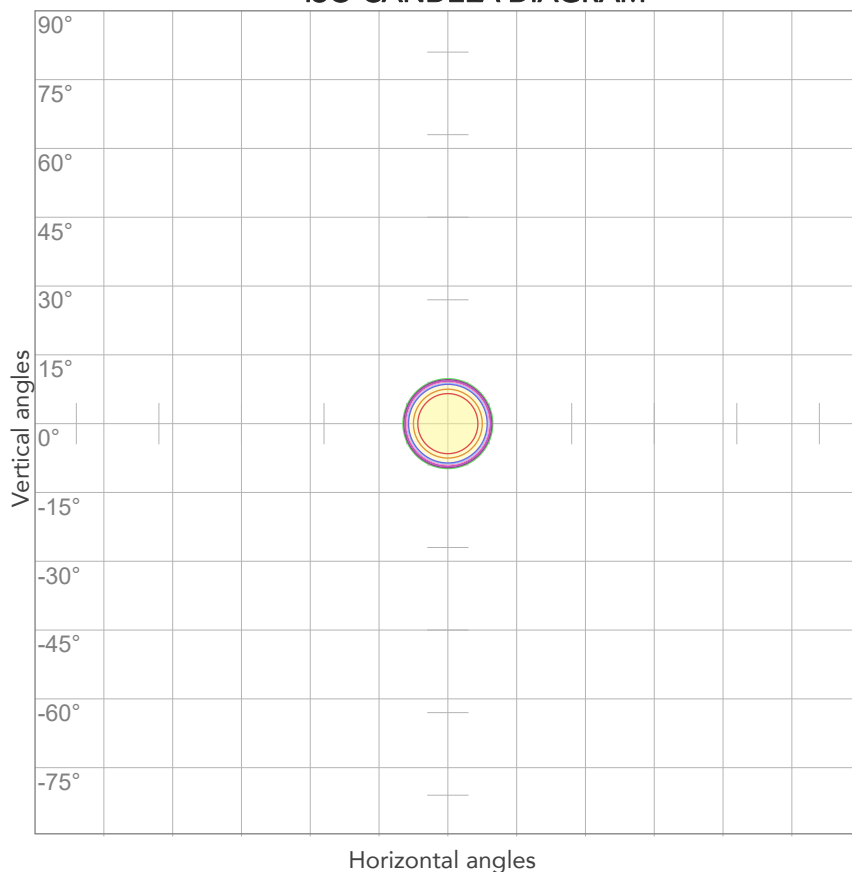


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,090A	11,8W	0,58	7lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



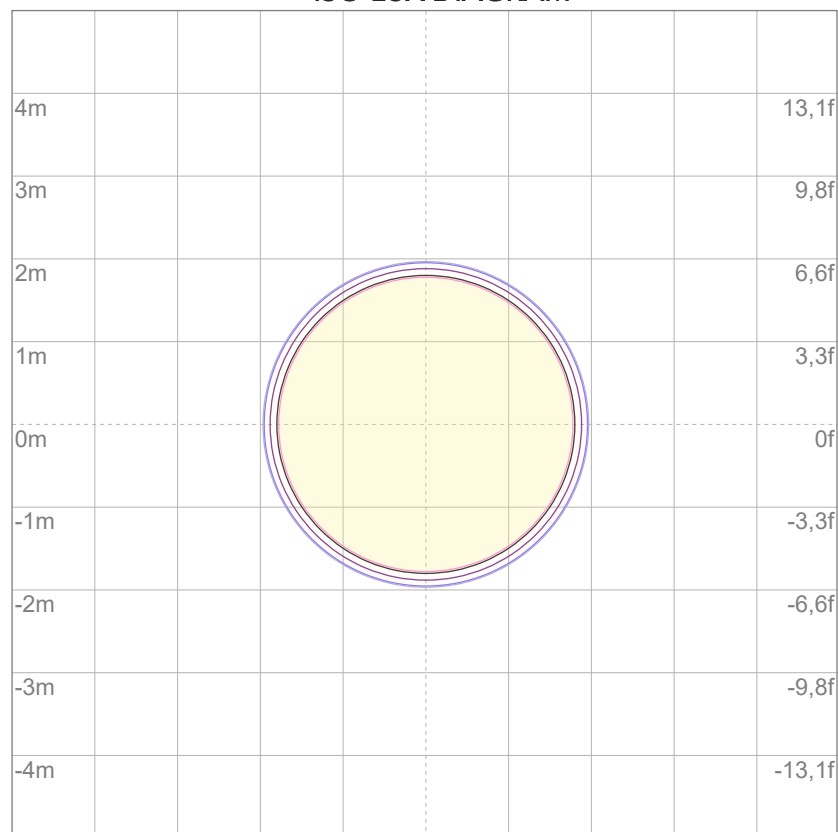
10%	67 cd
20%	134 cd
30%	201 cd
40%	268 cd
50%	334 cd
60%	401 cd
70%	468 cd
80%	535 cd

Conditions:

Number of c-planes: 2

Candela at center: 669 cd

ISO LUX DIAGRAM



3%	0,201 lx
5%	0,334 lx
10%	0,669 lx
30%	2,01 lx
50%	3,34 lx

Conditions:

Number of c-planes: 2

Lux at center: 6,69 lx

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



Total lumen output:

99,6 lm

Peak candela output:

2437 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 1020 Lens - Min Zoom

Target:

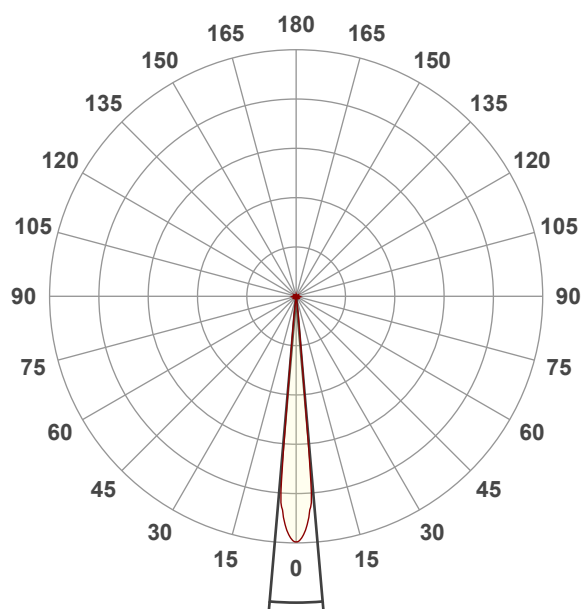
Blue

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 16:39:14

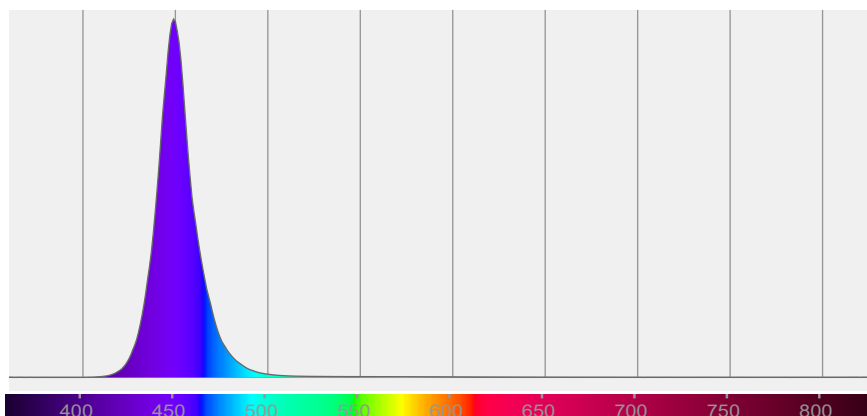


Beam angle 50%: 9,9°

Field angle 10%: 11,8°

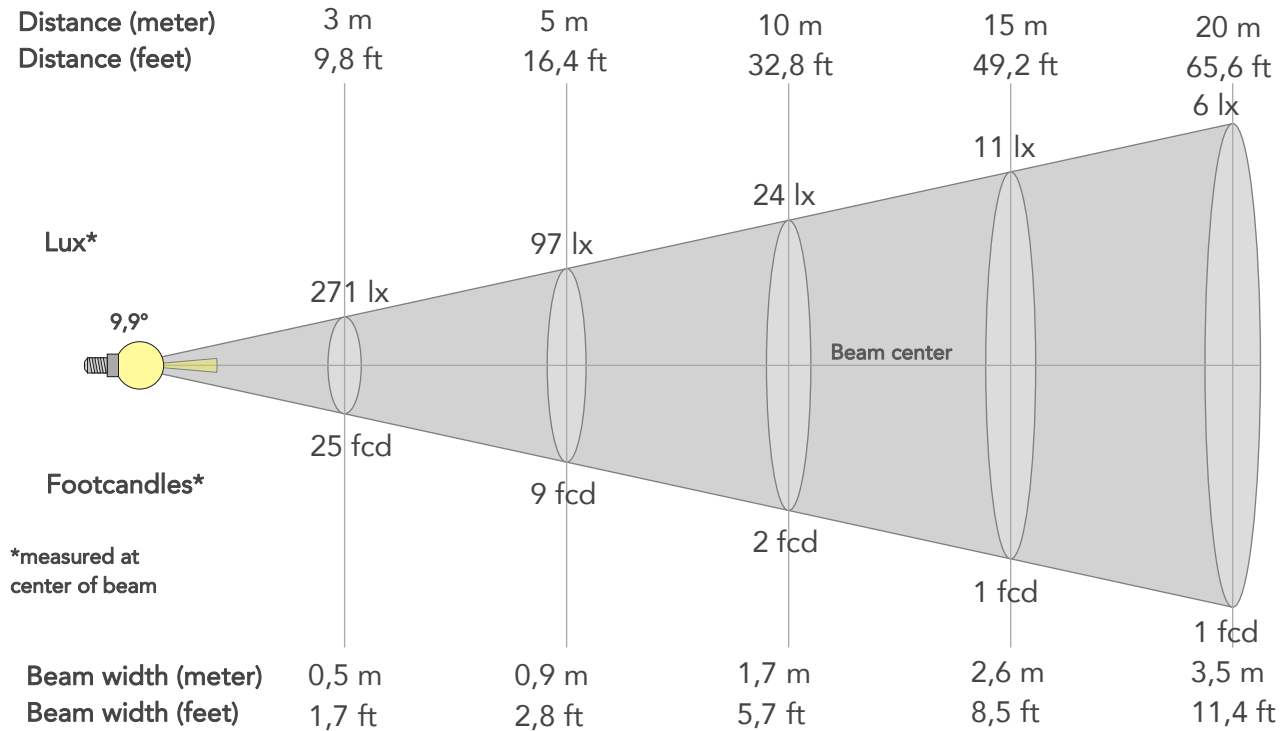
Cut off angle 2.5%: 12,8°

Spectra



BEAM DETAILS

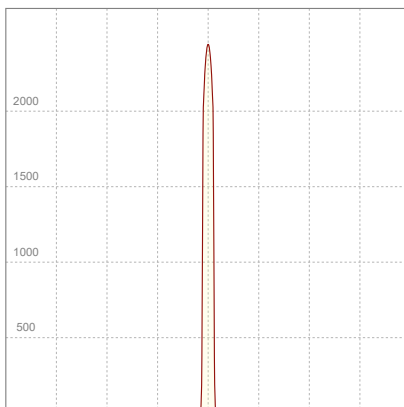
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,9°	11,8°	12,8°	77,1%	68,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2437lx	609lx	271lx	152lx	97lx	43lx	24lx	11lx	6lx	4lx	3lx	2lx	1lx
Footcand.	226fcd	57fcd	25fcd	14fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,5m	4,3m	5,2m	6,9m	8,7m
Beam wid.	0,6ft	1,1ft	1,7ft	2,3ft	2,8ft	4,3ft	5,7ft	8,5ft	11,4ft	14,2ft	17,1ft	22,8ft	28,5ft

LINEAR DISTRIBUTION DIAGRAM

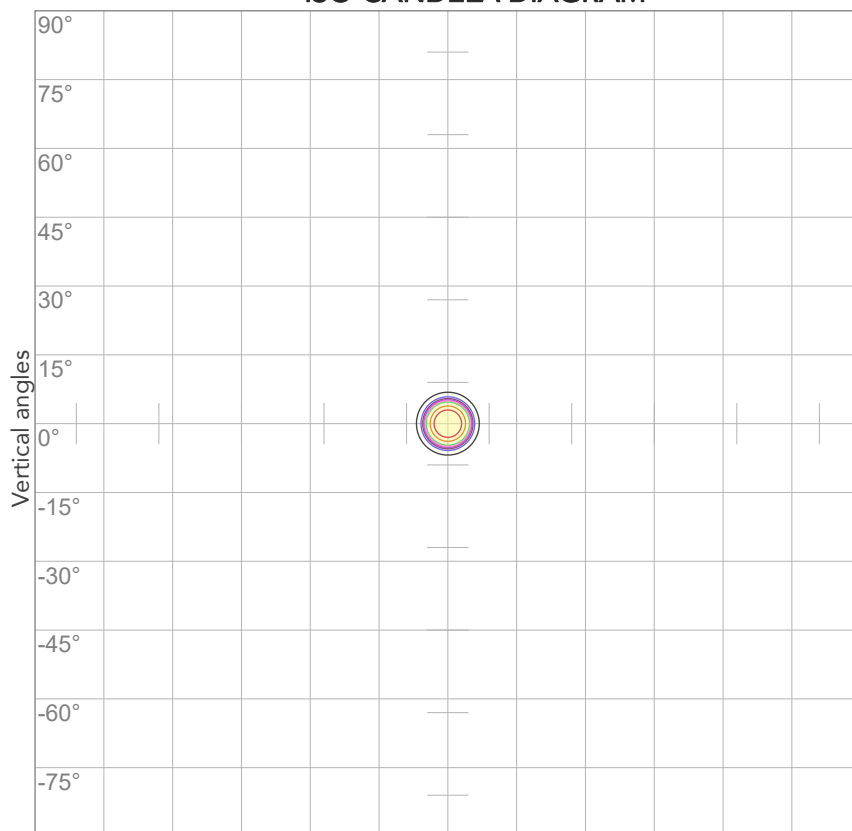


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,085A	11,3W	0,59	9lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



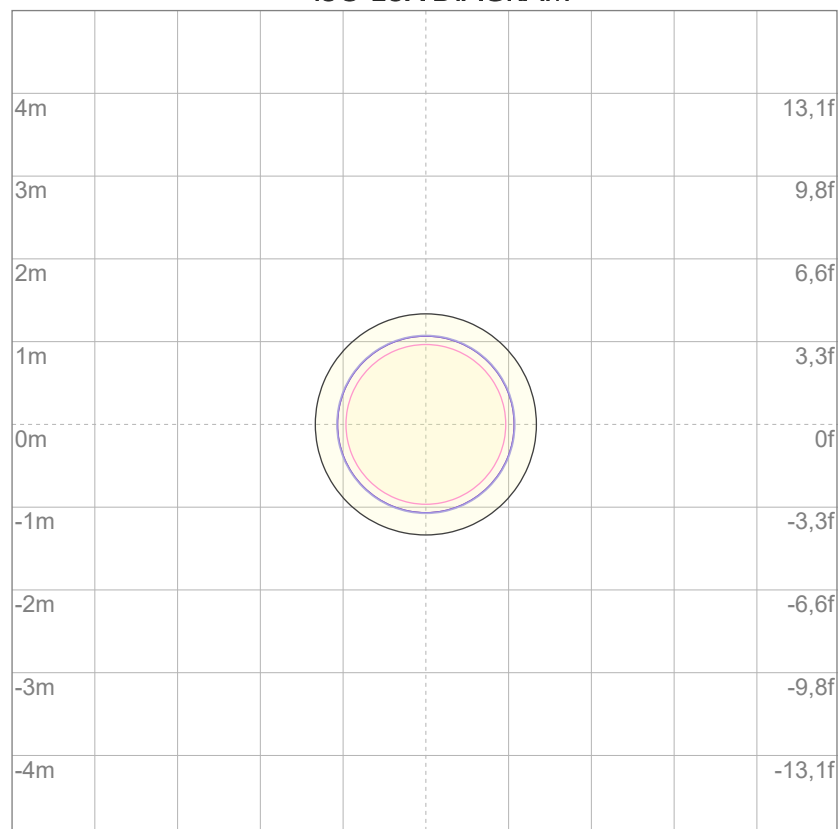
10%	244 cd
20%	487 cd
30%	731 cd
40%	975 cd
50%	1218 cd
60%	1462 cd
70%	1706 cd
80%	1949 cd

Conditions:

Number of c-planes: 2

Candela at center: 2437 cd

ISO LUX DIAGRAM



3%	0,731 lx
5%	1,22 lx
10%	2,44 lx
30%	7,31 lx
50%	12,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 24,4 lx

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



Total lumen output:

499 lm

Peak candela output:

6058 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 1020 Lens - Max Zoom

Target:

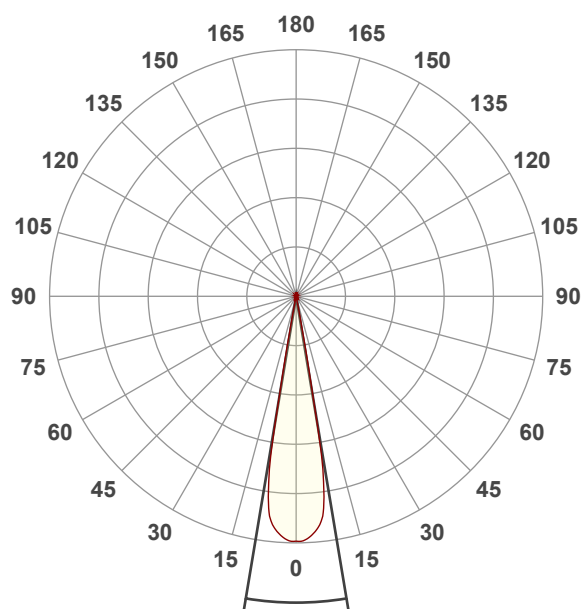
Lime

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 15:12:05

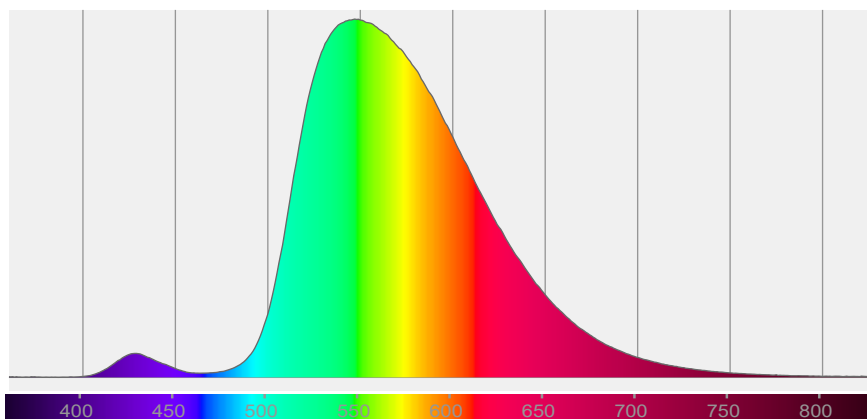


Beam angle 50%: 18,9°

Field angle 10%: 21,4°

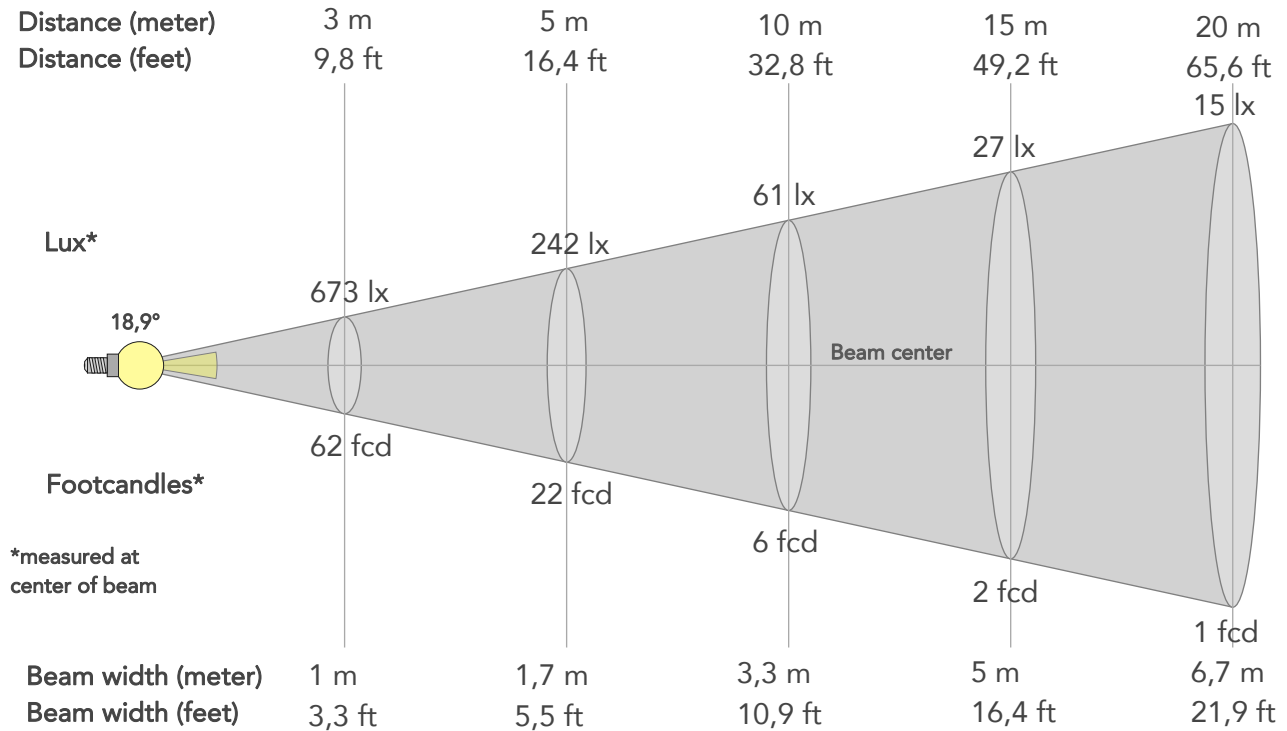
Cut off angle 2.5%: 22,1°

Spectra



BEAM DETAILS

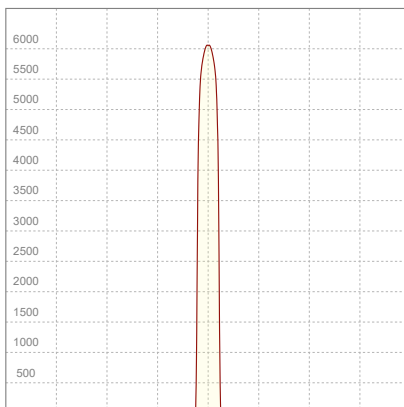
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,9°	21,4°	22,1°	98,3%	98,0%



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	6055lx	1514lx	673lx	378lx	242lx	108lx	61lx	27lx	15lx	10lx	7lx	4lx	2lx
Footcand.	562fcd	141fcd	62fcd	35fcd	22fcd	10fcd	6fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,7m	2,5m	3,3m	5m	6,7m	8,3m	10m	13,3m	16,7m
Beam wid.	1,1ft	2,2ft	3,3ft	4,4ft	5,5ft	8,2ft	10,9ft	16,4ft	21,9ft	27,3ft	32,8ft	43,7ft	54,7ft

LINEAR DISTRIBUTION DIAGRAM

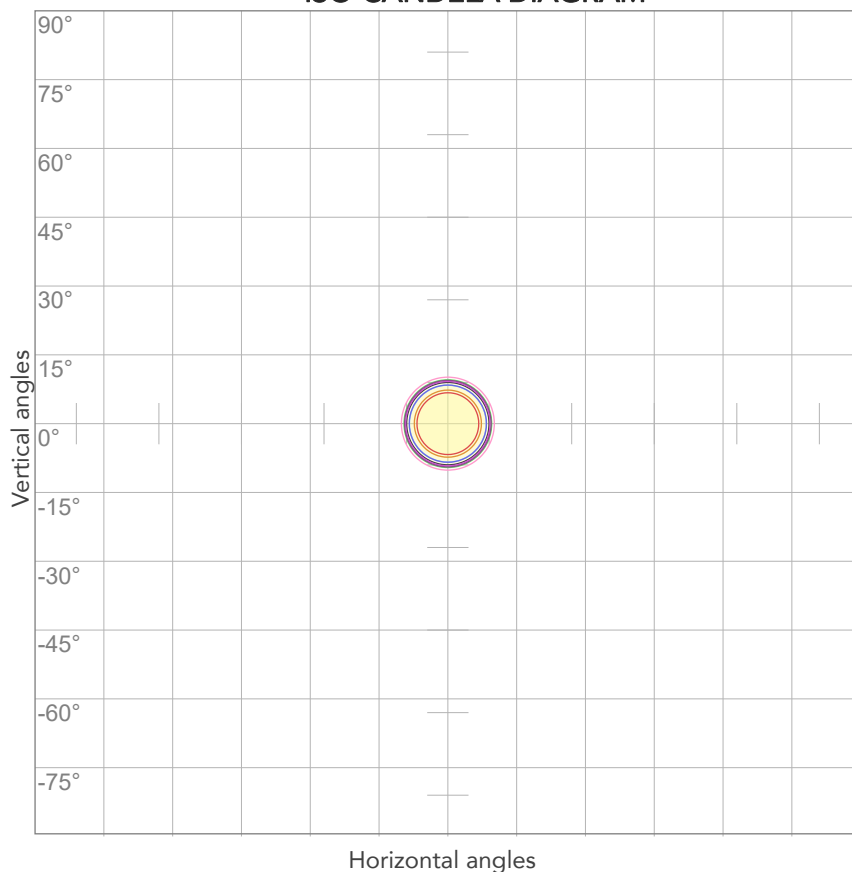


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,109A	19,6W	0,79	25lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



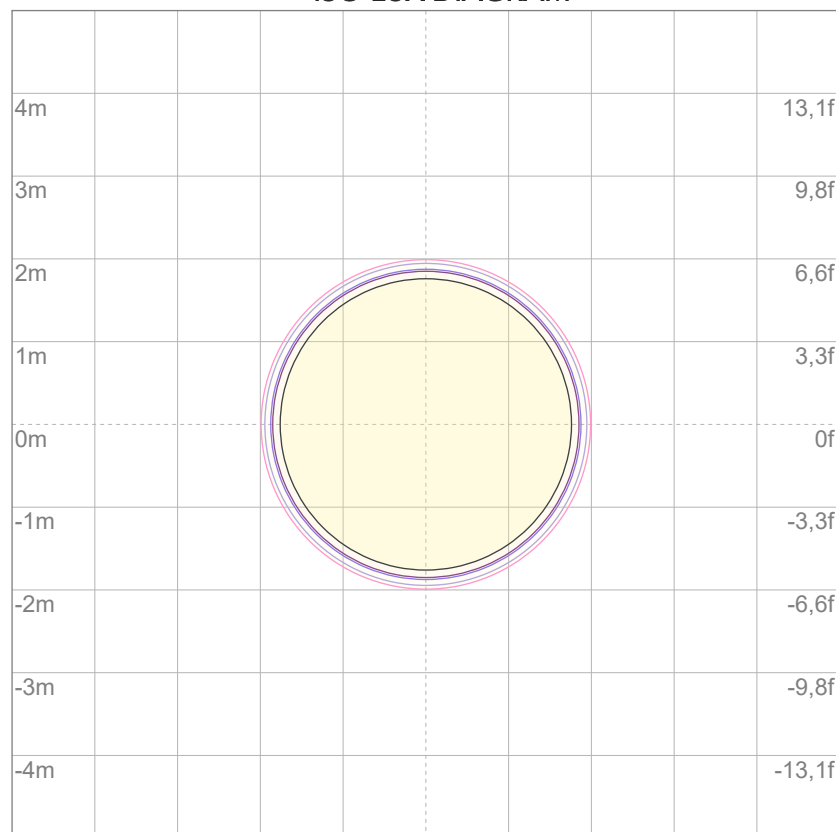
10%	605 cd
20%	1211 cd
30%	1816 cd
40%	2422 cd
50%	3027 cd
60%	3633 cd
70%	4238 cd
80%	4844 cd

Conditions:

Number of c-planes: 2

Candela at center: 6055 cd

ISO LUX DIAGRAM



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

Conditions:

Number of c-planes: 2

Lux at center: 60,5 lx

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



Total lumen output:

519 lm

Peak candela output:

21946 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 1020 Lens - Min Zoom

Target:

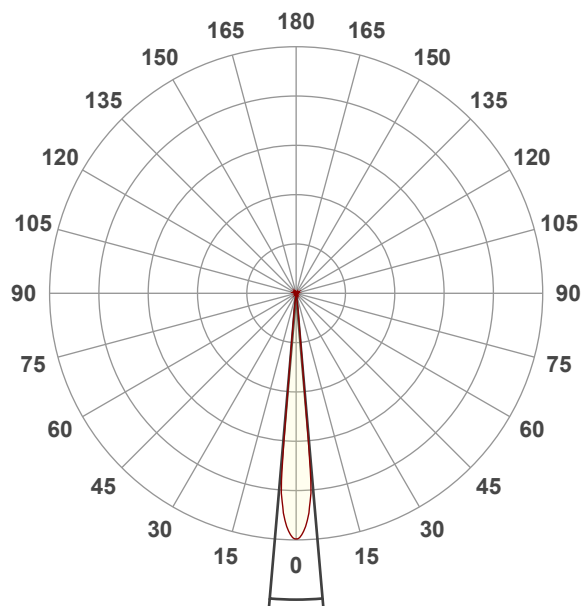
Lime

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 16:41:35

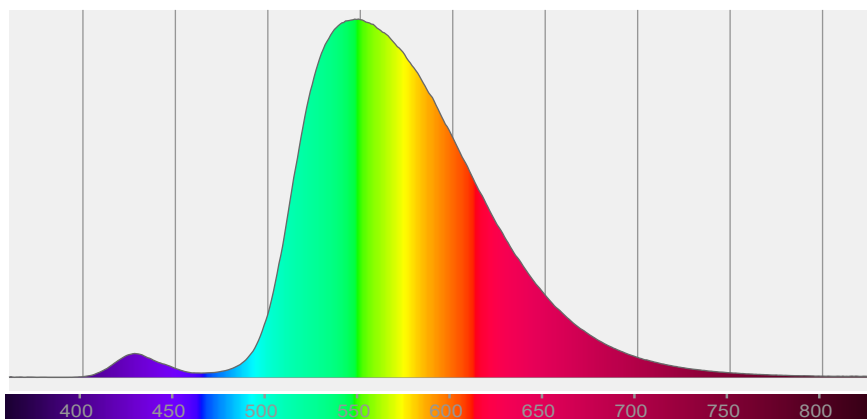


Beam angle 50%: 9,9°

Field angle 10%: 11,6°

Cut off angle 2.5%: 12,8°

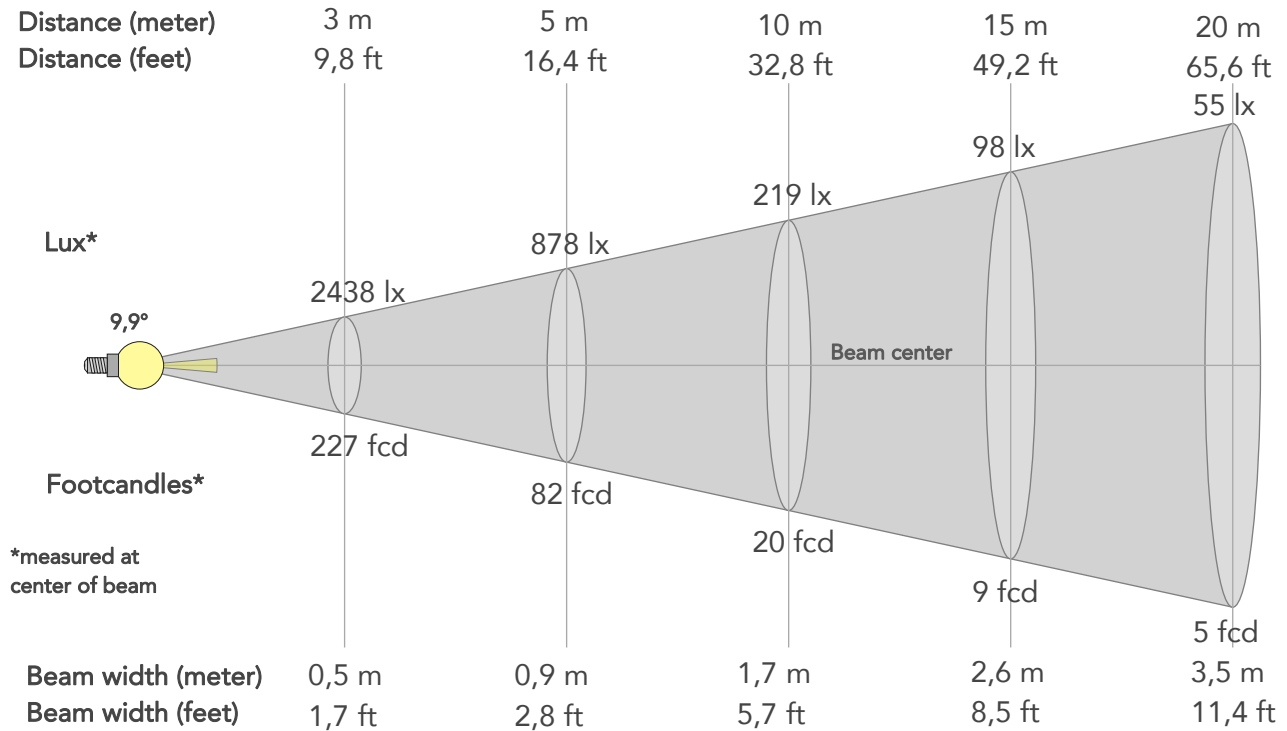
Spectra



BEAM DETAILS



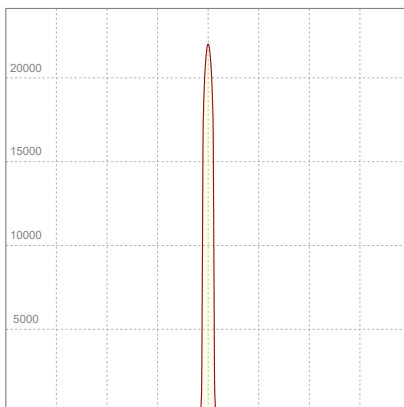
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,9°	11,6°	12,8°	97,1%	96,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	21946lx	5486lx	2438lx	1372lx	878lx	390lx	219lx	98lx	55lx	35lx	24lx	14lx	9lx
Footcand.	2039fcd	510fcd	227fcd	127fcd	82fcd	36fcd	20fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,5m	4,3m	5,2m	6,9m	8,7m
Beam wid.	0,6ft	1,1ft	1,7ft	2,3ft	2,8ft	4,3ft	5,7ft	8,5ft	11,4ft	14,2ft	17ft	22,7ft	28,4ft

LINEAR DISTRIBUTION DIAGRAM

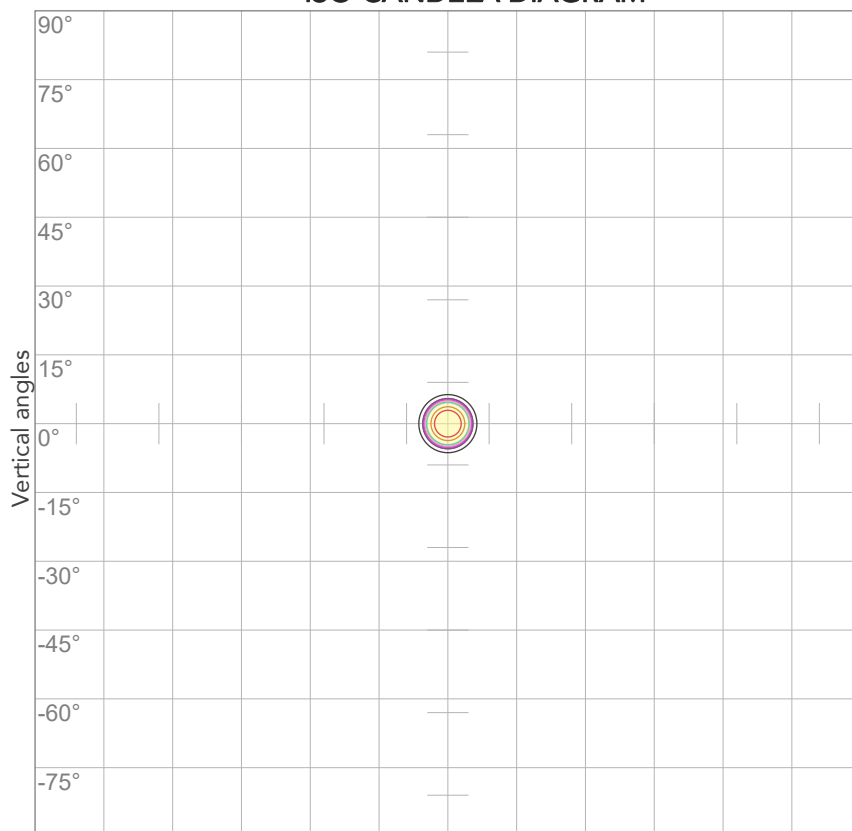


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,109A	19,4W	0,79	27lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



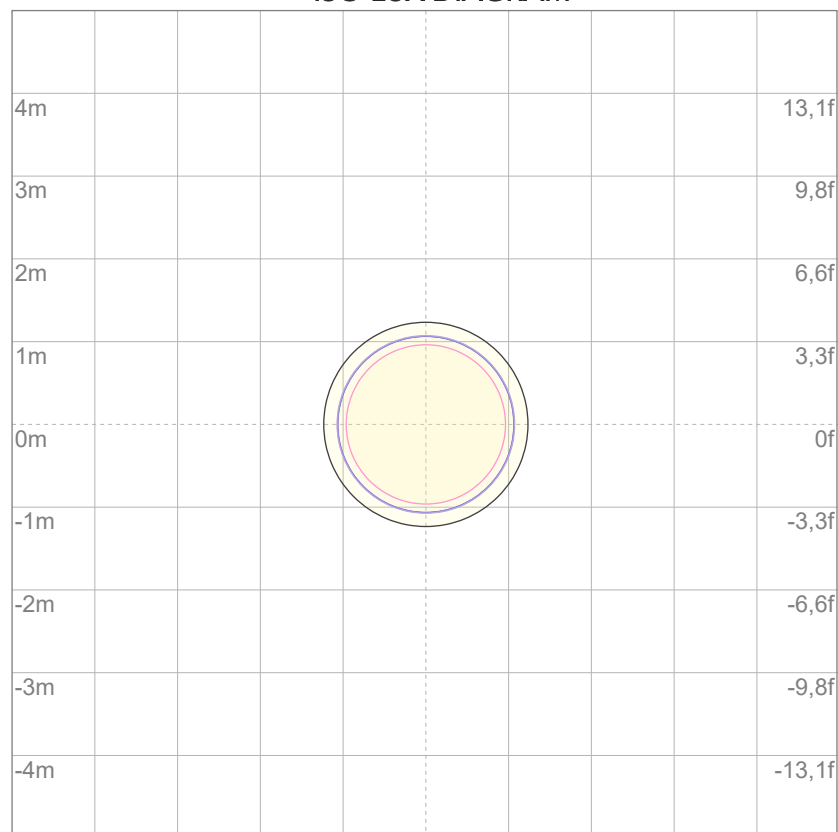
10%	2195 cd
20%	4389 cd
30%	6584 cd
40%	8778 cd
50%	10973 cd
60%	13167 cd
70%	15362 cd
80%	17557 cd

Conditions:

Number of c-planes: 2

Candela at center: 21946 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	6,58 lx
5%	11,0 lx
10%	21,9 lx
30%	65,8 lx
50%	110 lx

Conditions:

Number of c-planes: 2

Lux at center: 219 lx

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



Total lumen output:

500 lm

Peak candela output:

6086 cd

Light quality:

CRI: 84,5

Color temperature:

3006 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 1020 Lens - Max Zoom

Target:

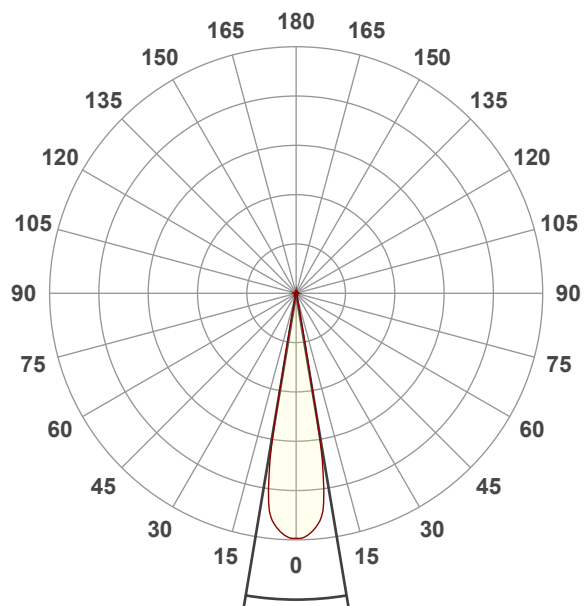
2800K

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 15:14:37

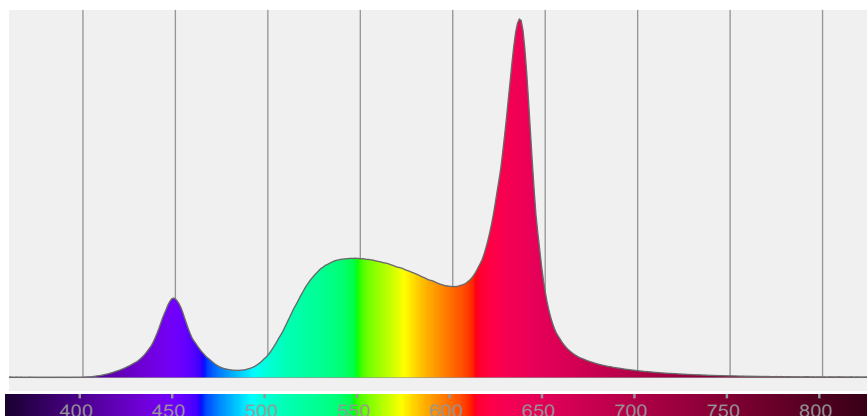


Beam angle 50%: 18,9°

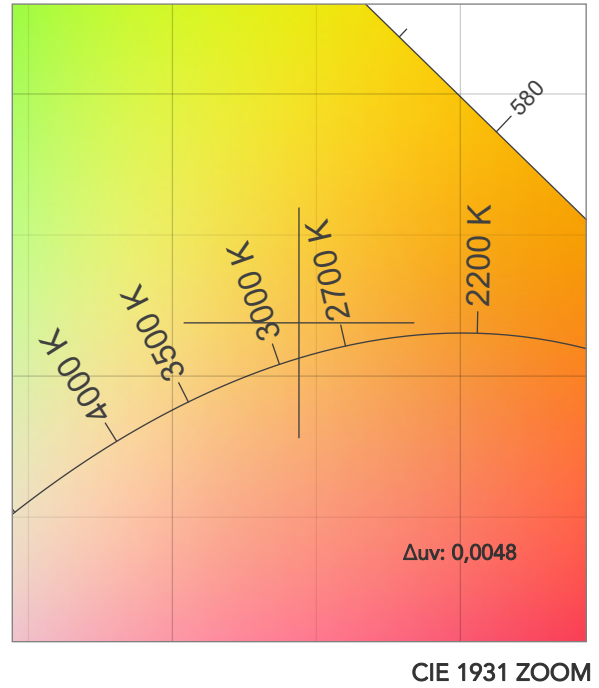
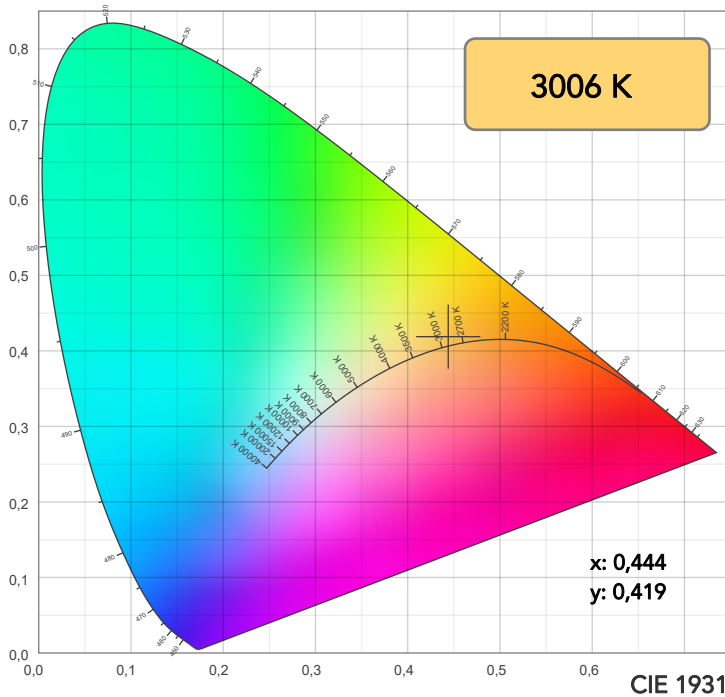
Field angle 10%: 21,2°

Cut off angle 2.5%: 22,2°

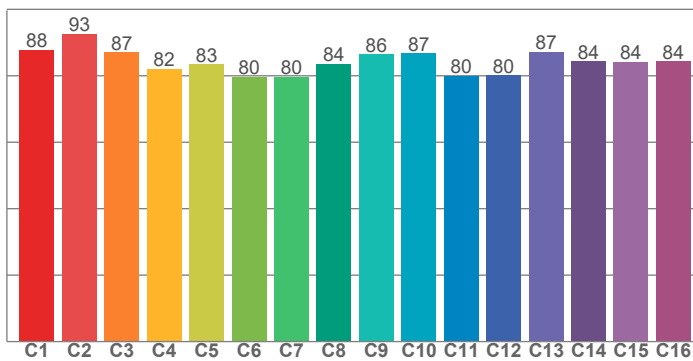
Spectra



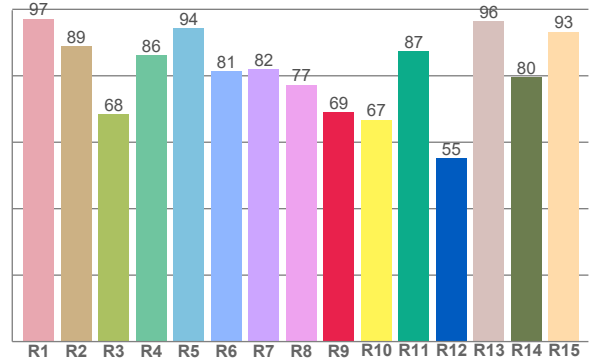
COLOR DETAILS



TM30: 84,7



CRI: 84,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,2	89,0	68,5	86,2	94,3	81,4	82,0	77,3	69,1	66,8	87,4	55,1	96,4	79,7	93,3

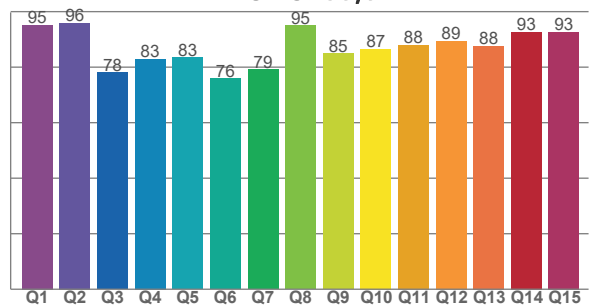
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
87,9	92,7	87,1	82,1	83,4	79,7	79,7	83,6	86,4	86,8	79,9	80,2	87,3	84,4	84,2	84,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,1	95,9	78,1	83,0	83,4	75,9	79,1	95,1	84,8	86,5	88,0	89,4	87,6	92,7	92,7

CQS: 85,5



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
3006 K	84,5	69,1	84,7	108,4	85,5	72	0,444	0,419	0,0048

TM30 DETAILS

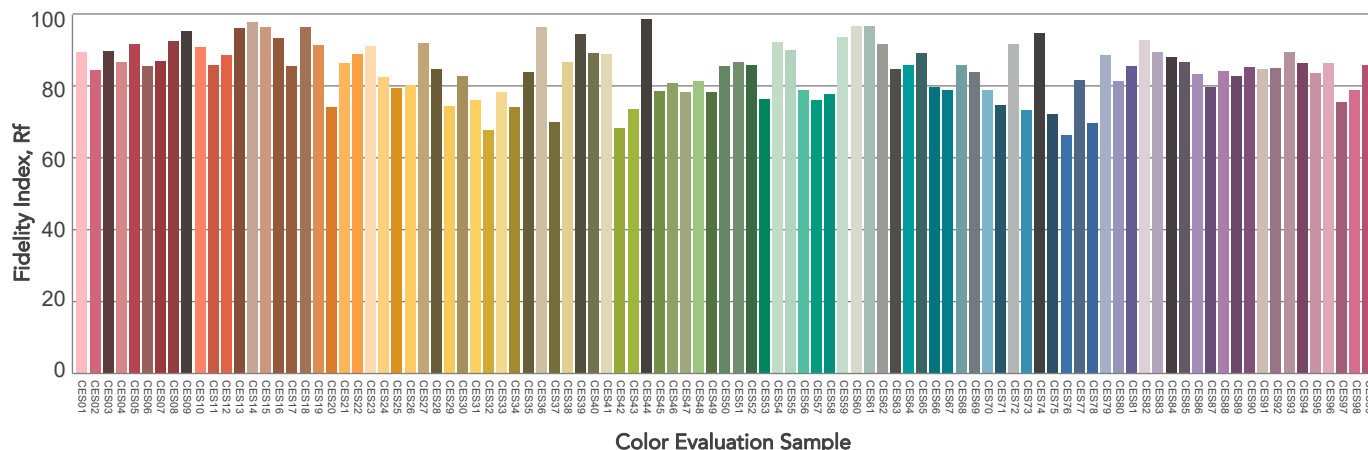
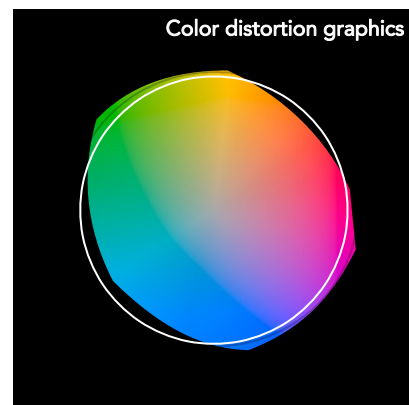
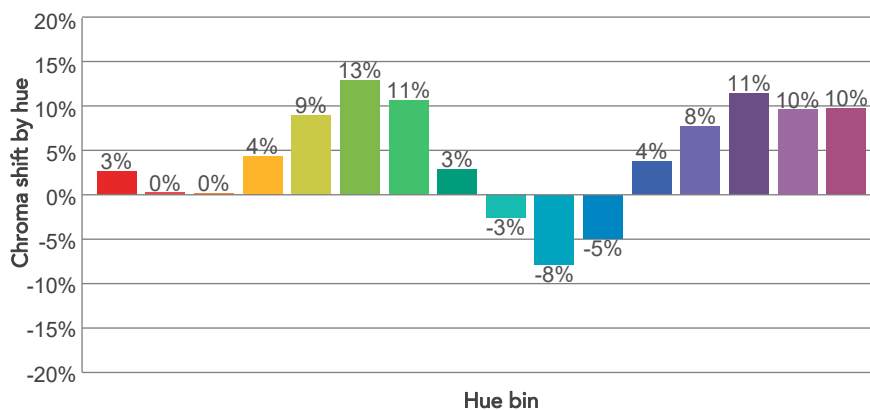
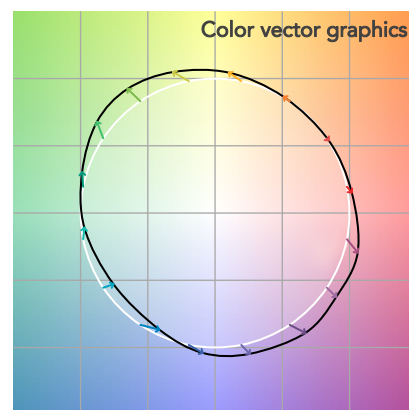
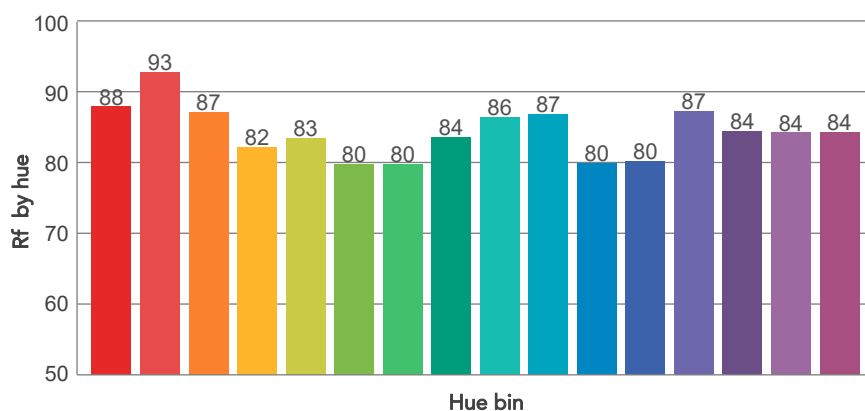
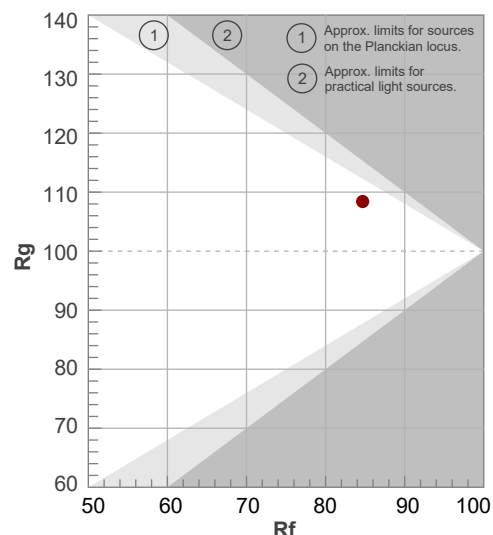
Rf 84,7

Fidelity index Rf

Rg 108,4

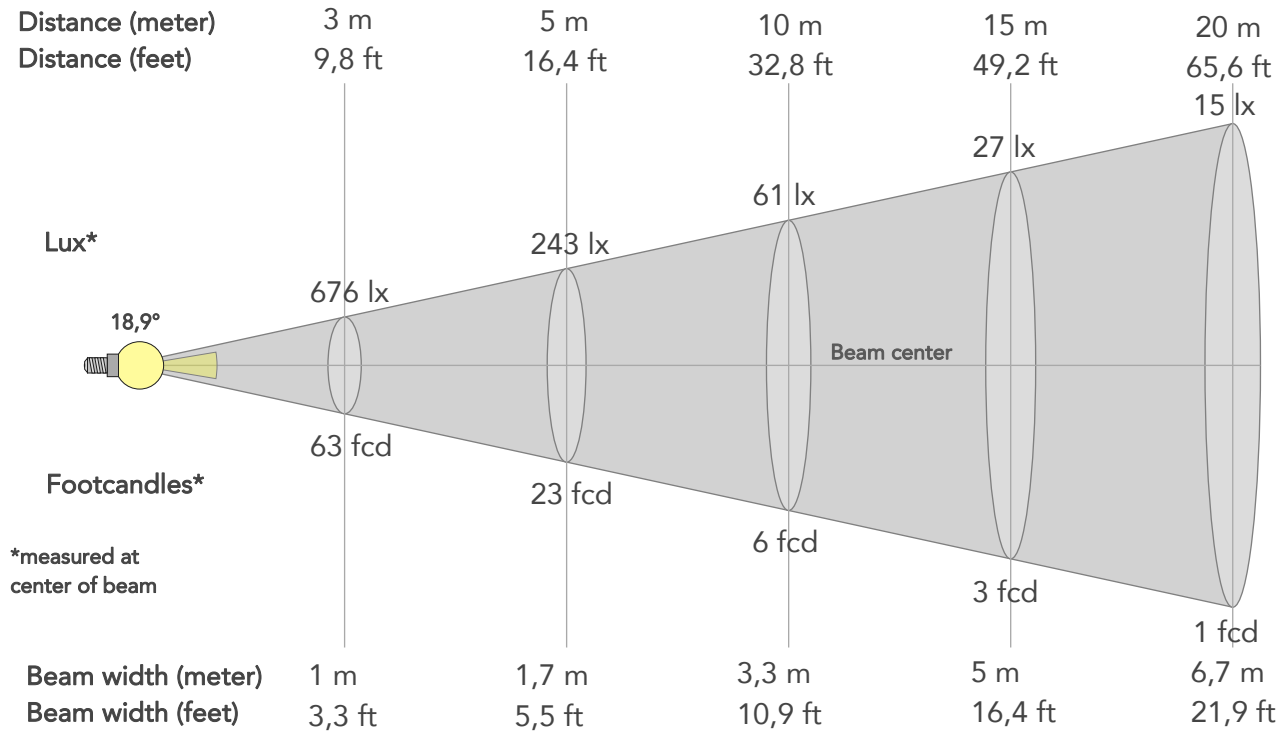
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	88	3%	-5%
2	93	0%	-2%
3	87	0%	6%
4	82	4%	10%
5	83	9%	10%
6	80	13%	3%
7	80	11%	-8%
8	84	3%	-10%
9	86	-3%	-8%
10	87	-8%	2%
11	80	-5%	14%
12	80	4%	11%
13	87	8%	5%
14	84	11%	6%
15	84	10%	-2%
16	84	10%	-8%



BEAM DETAILS

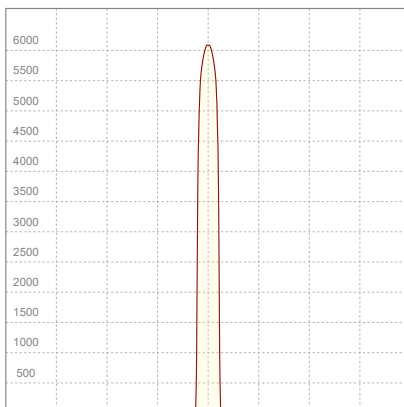
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,9°	21,2°	22,2°	98,1%	97,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6086lx	1521lx	676lx	380lx	243lx	108lx	61lx	27lx	15lx	10lx	7lx	4lx	2lx
Footcand.	565fcd	141fcd	63fcd	35fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,7m	2,5m	3,3m	5m	6,7m	8,3m	10m	13,3m	16,7m
Beam wid.	1,1ft	2,2ft	3,3ft	4,4ft	5,5ft	8,2ft	10,9ft	16,4ft	21,9ft	27,4ft	32,8ft	43,8ft	54,7ft

LINEAR DISTRIBUTION DIAGRAM

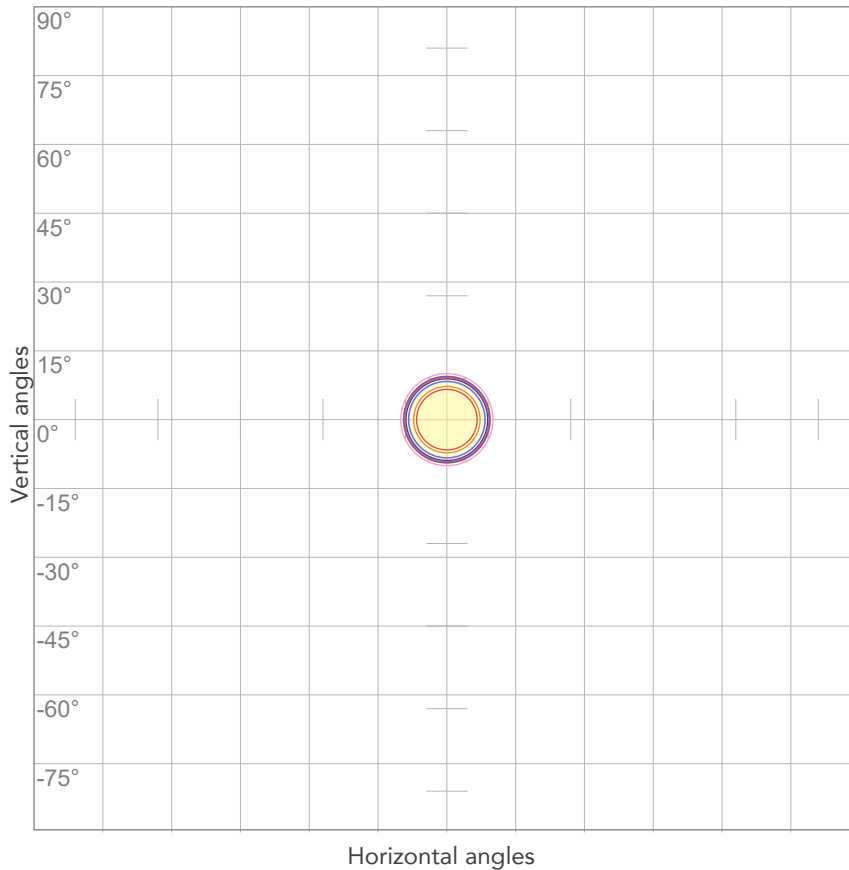


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
229V	0,123A	23,3W	0,83	21lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



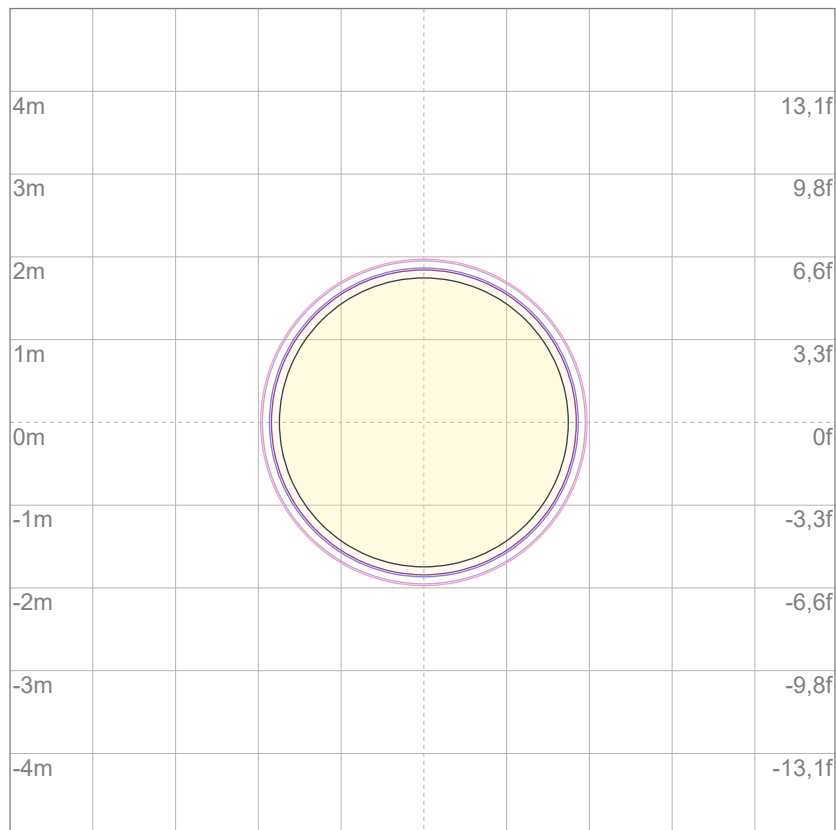
10%	609 cd
20%	1217 cd
30%	1826 cd
40%	2434 cd
50%	3043 cd
60%	3651 cd
70%	4260 cd
80%	4868 cd

Conditions:

Number of c-planes: 2

Candela at center: 6086 cd

ISO LUX DIAGRAM



3%	1,83 lx
5%	3,04 lx
10%	6,09 lx
30%	18,3 lx
50%	30,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 60,9 lx

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



Total lumen output:

548 lm

Peak candela output:

22229 cd

Light quality:

CRI: 84,4

Color temperature:

2995 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 1020 Lens - Min Zoom

Target:

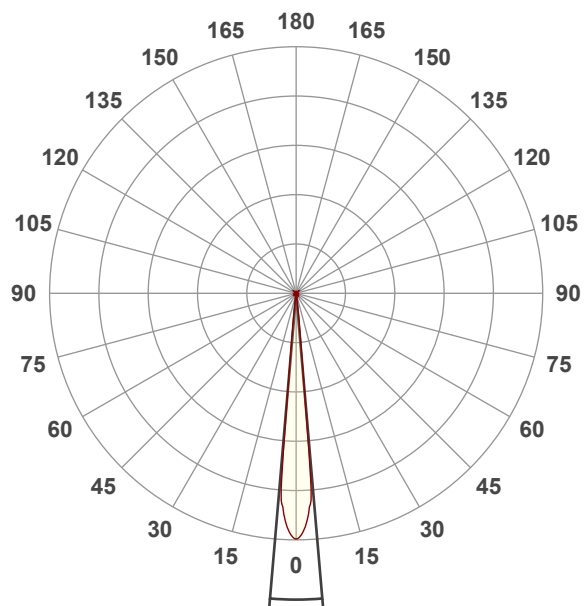
2800K

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 16:28:49

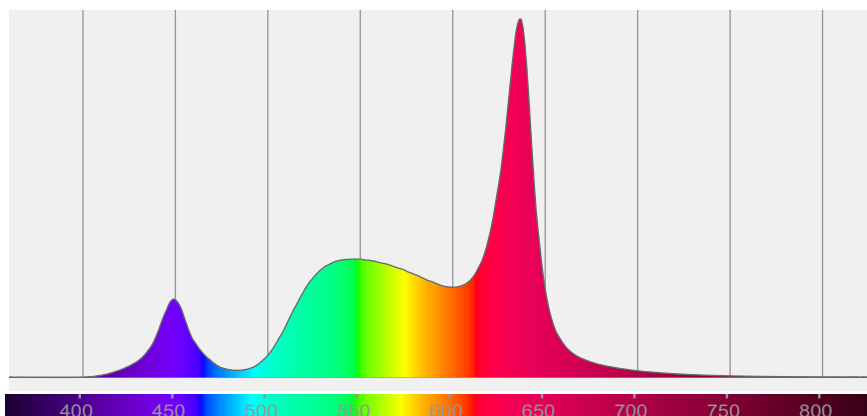


Beam angle 50%: 9,8°

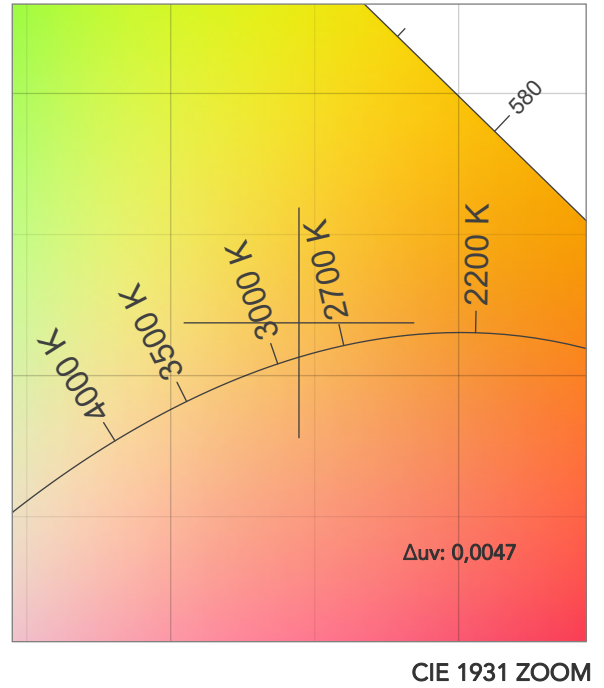
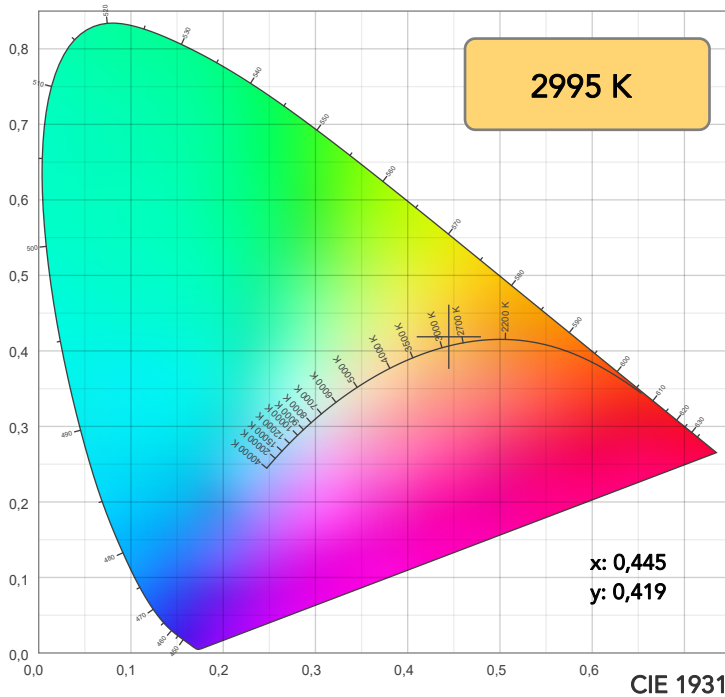
Field angle 10%: 11,8°

Cut off angle 2.5%: 12,7°

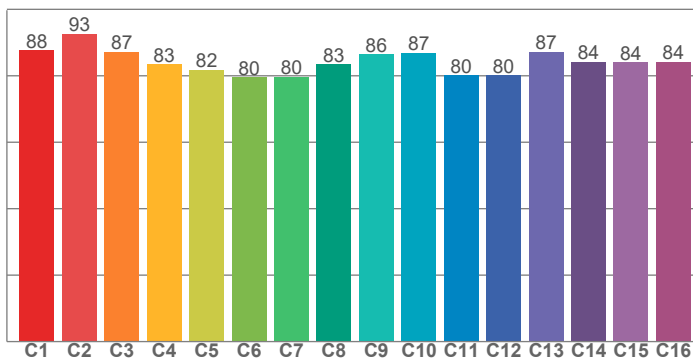
Spectra



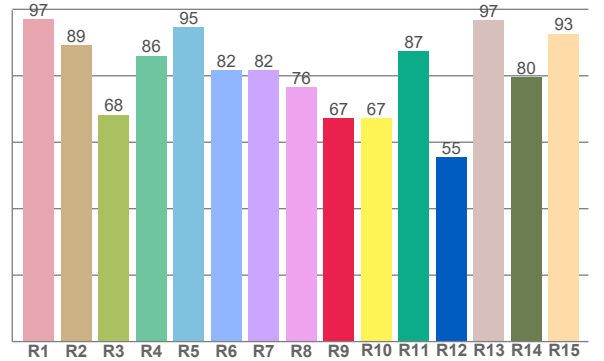
COLOR DETAILS



TM30: 84,7



CRI: 84,4 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,9	89,2	68,3	86,1	94,6	81,6	81,7	76,5	67,2	67,2	87,3	55,5	96,7	79,6	92,7

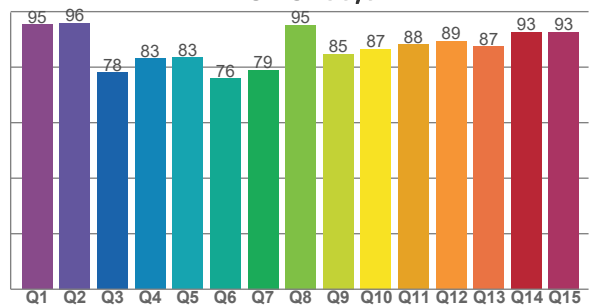
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
87,6	92,6	87,2	83,5	81,8	79,6	79,6	83,5	86,4	87,0	80,1	80,2	87,3	84,2	84,1	84,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,4	95,8	78,1	83,1	83,5	75,8	79,0	95,1	84,7	86,6	88,1	89,4	87,5	92,6	92,7

CQS: 85,5



COLOR PARAMETERS

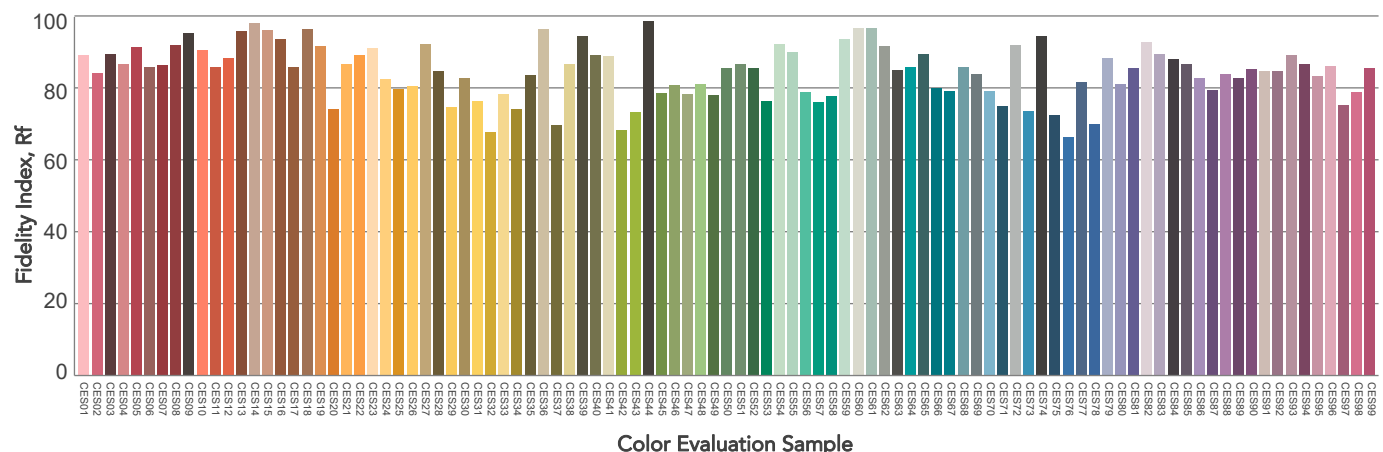
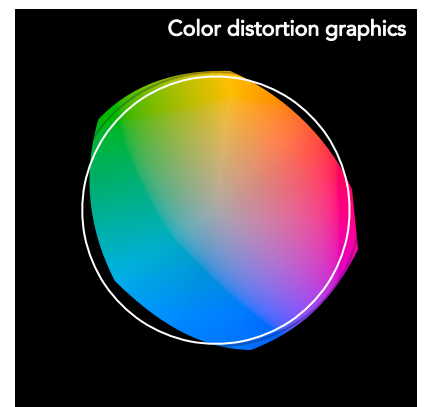
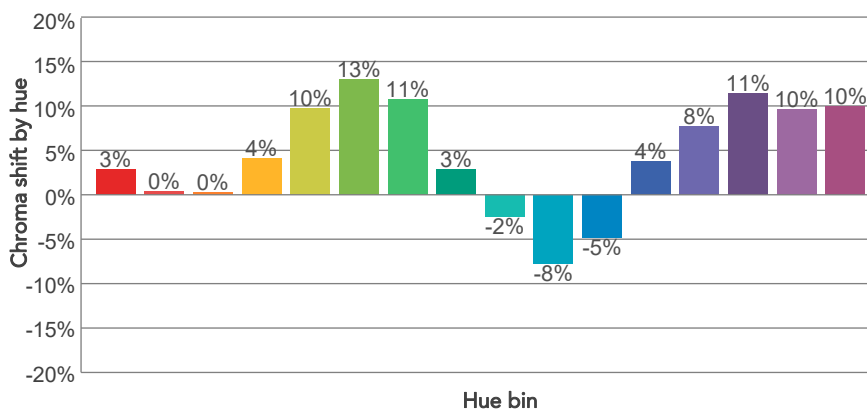
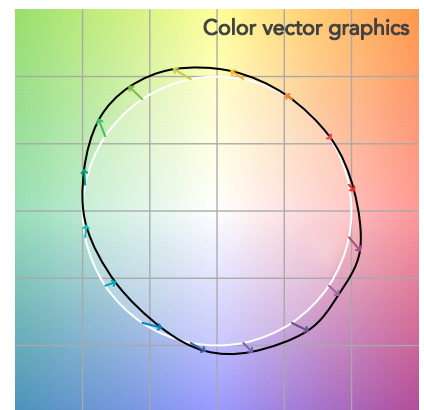
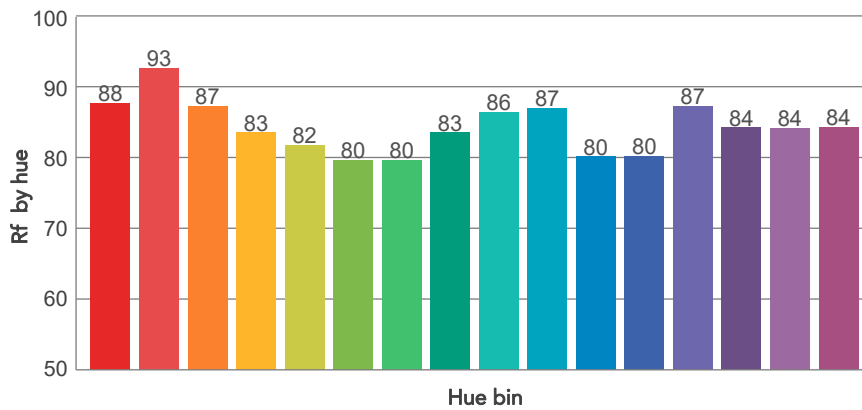
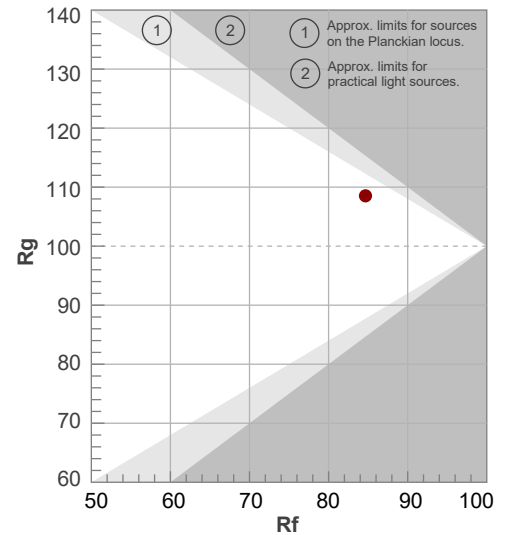
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2995 K	84,4	67,2	84,7	108,5	85,5	72	0,445	0,419	0,0047

TM30 DETAILS

Rf 84,7
Fidelity index Rf

Rg 108,5
Gammut index

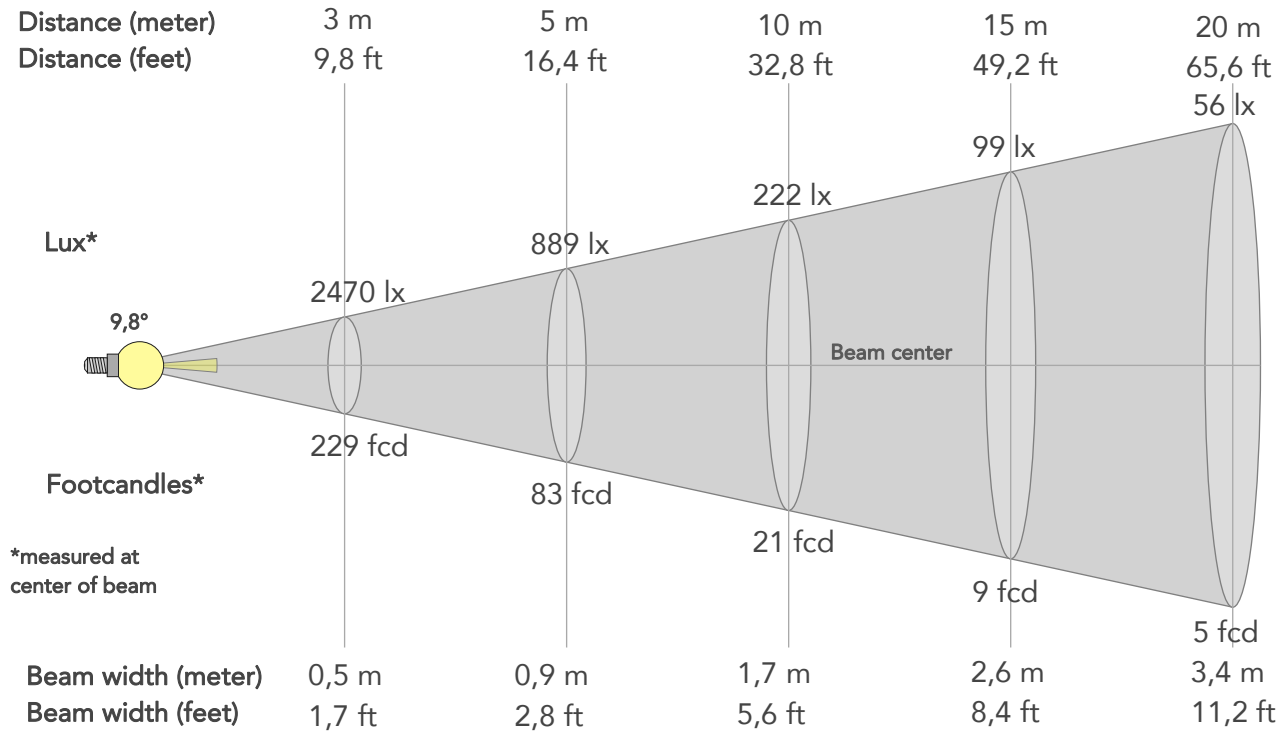
		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	88	3%	-5%
2	93	0%	-2%
3	87	0%	5%
4	83	4%	10%
5	82	10%	11%
6	80	13%	3%
7	80	11%	-8%
8	83	3%	-10%
9	86	-2%	-8%
10	87	-8%	2%
11	80	-5%	14%
12	80	4%	11%
13	87	8%	5%
14	84	11%	7%
15	84	10%	-2%
16	84	10%	-8%



BEAM DETAILS



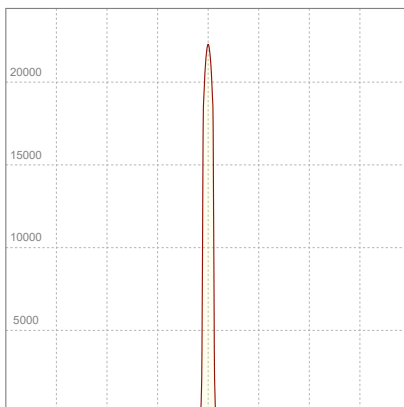
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,8°	11,8°	12,7°	93,5%	92,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	22229lx	5557lx	2470lx	1389lx	889lx	395lx	222lx	99lx	56lx	36lx	25lx	14lx	9lx
Footcand.	2065fcd	516fcd	229fcd	129fcd	83fcd	37fcd	21fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,4m	4,3m	5,1m	6,9m	8,6m
Beam wid.	0,6ft	1,1ft	1,7ft	2,2ft	2,8ft	4,2ft	5,6ft	8,4ft	11,2ft	14,1ft	16,9ft	22,5ft	28,1ft

LINEAR DISTRIBUTION DIAGRAM

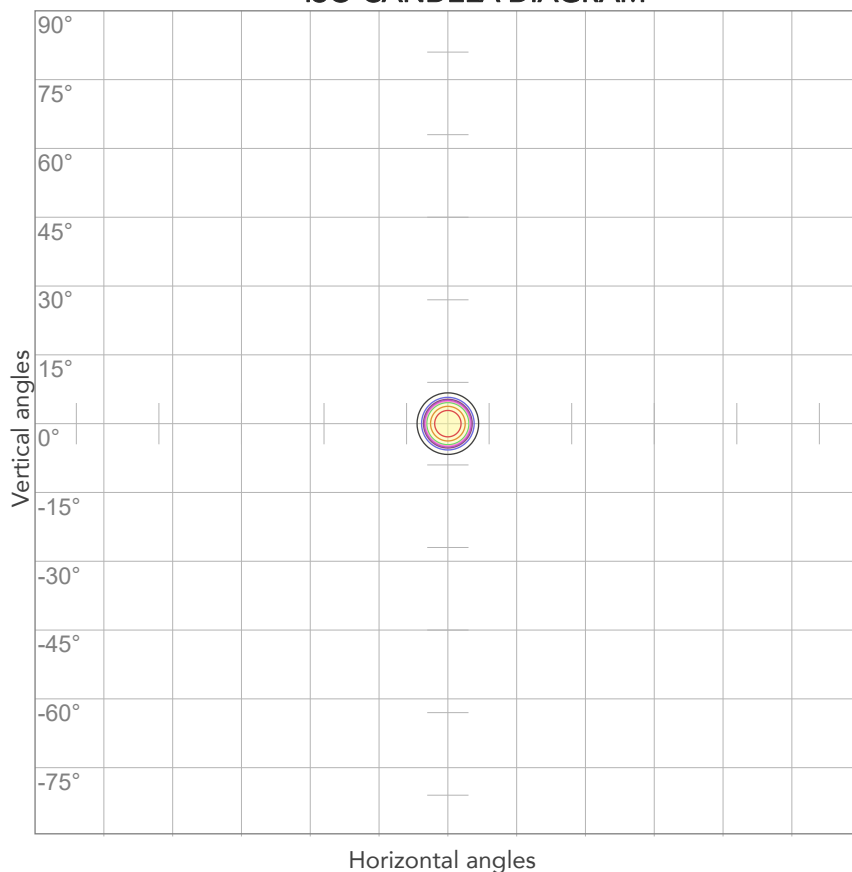


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,124A	23,3W	0,82	24lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



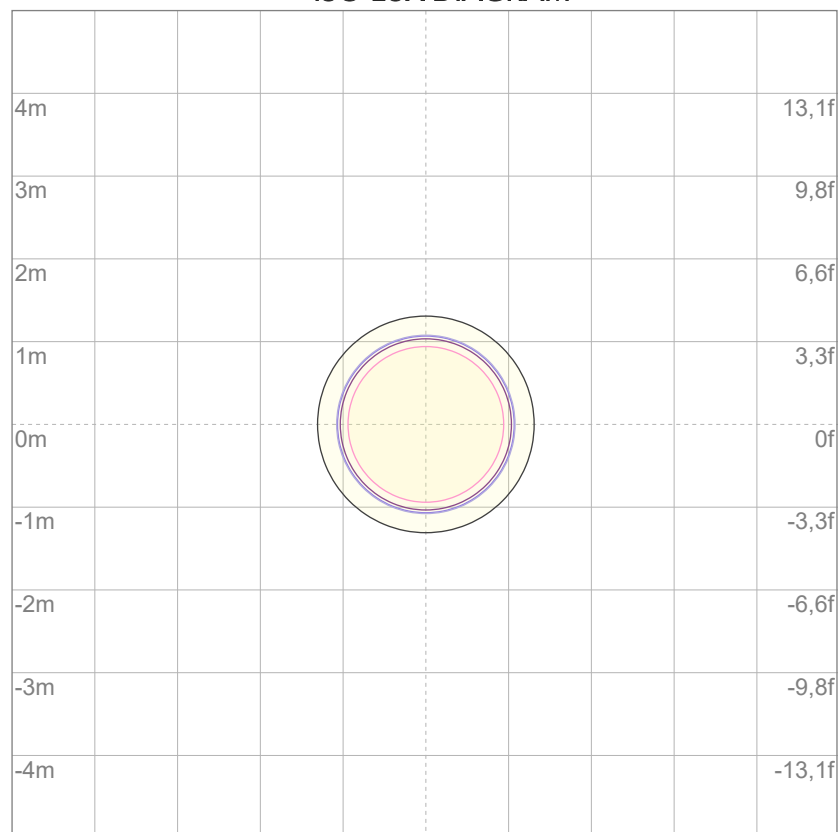
10%	2223 cd
20%	4446 cd
30%	6669 cd
40%	8892 cd
50%	11115 cd
60%	13338 cd
70%	15561 cd
80%	17784 cd

Conditions:

Number of c-planes: 2

Candela at center: 22229 cd

ISO LUX DIAGRAM



3%	6,67 lx
5%	11,1 lx
10%	22,2 lx
30%	66,7 lx
50%	111 lx

Conditions:

Number of c-planes: 2

Lux at center: 222 lx

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



Total lumen output:

556 lm

Peak candela output:

6799 cd

Light quality:

CRI: 83,8

Color temperature:

3234 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 1020 Lens - Max Zoom

Target:

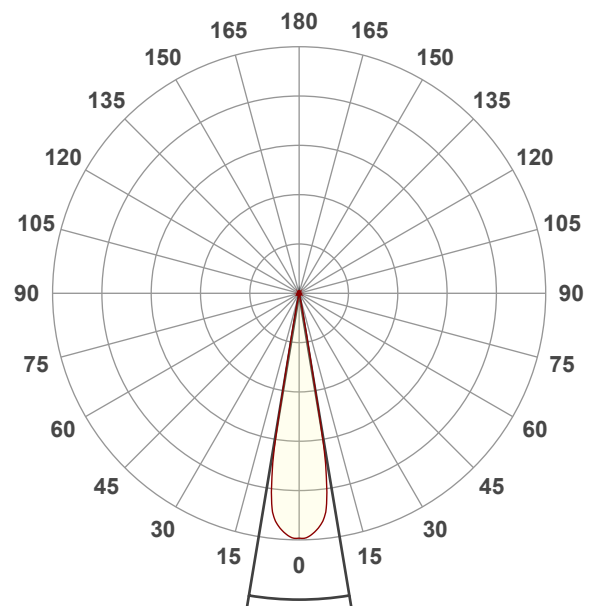
3200K

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 15:23:05

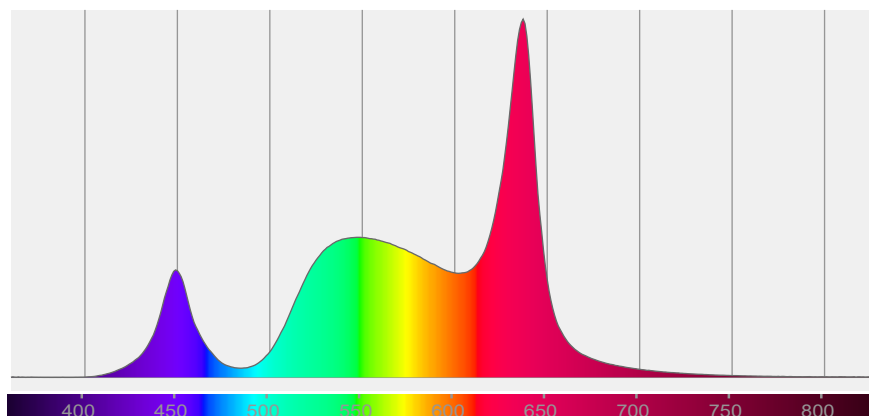


Beam angle 50%: 18,9°

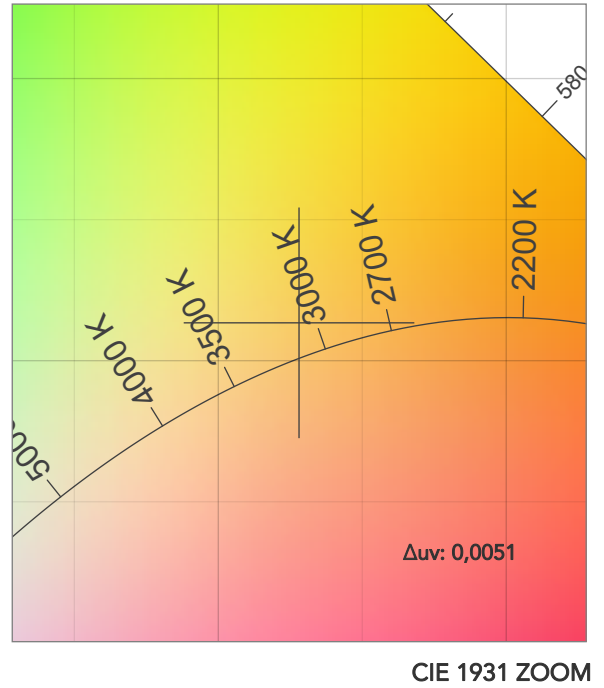
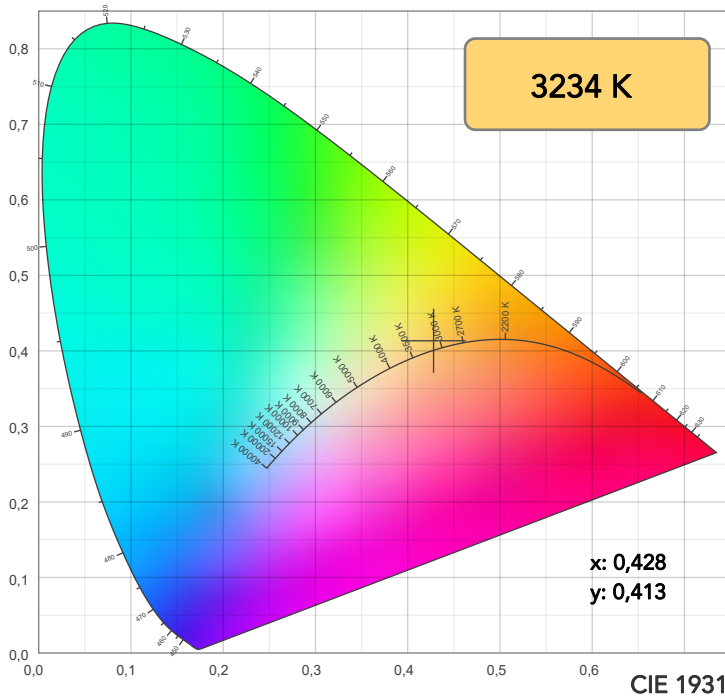
Field angle 10%: 21,2°

Cut off angle 2.5%: 22,1°

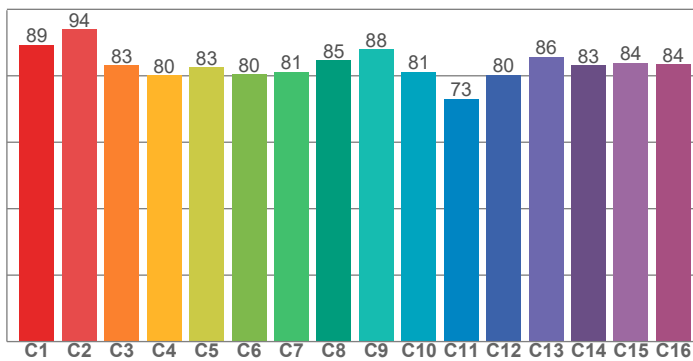
Spectra



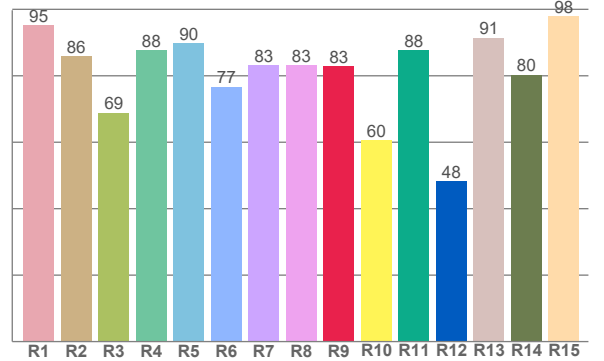
COLOR DETAILS



TM30: 83,6



CRI: 83,8 (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
95,3	86,0	68,9	87,8	89,7	76,7	83,1	83,2	82,8	60,5	87,8	48,2	91,5	80,3	98,0

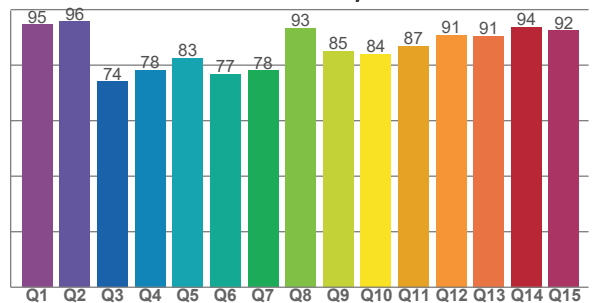
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,3	94,0	83,1	80,2	82,5	80,5	81,2	84,6	88,0	81,1	73,1	80,3	85,7	83,1	83,9	83,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,7	95,7	74,0	78,2	82,6	76,9	78,0	93,4	85,2	84,1	87,0	90,9	90,6	93,8	92,4

CQS: 84,6



COLOR PARAMETERS

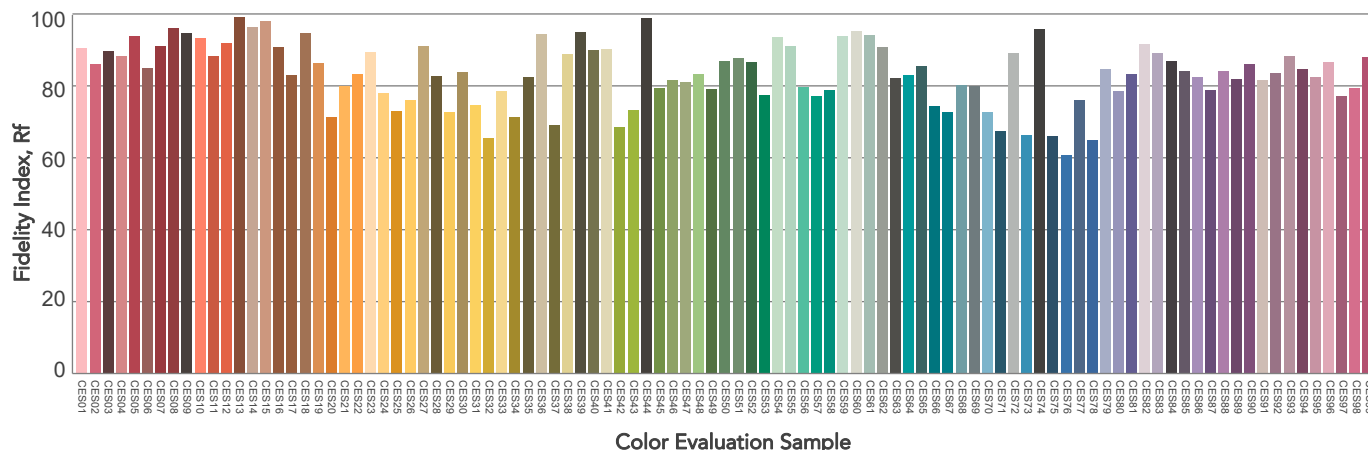
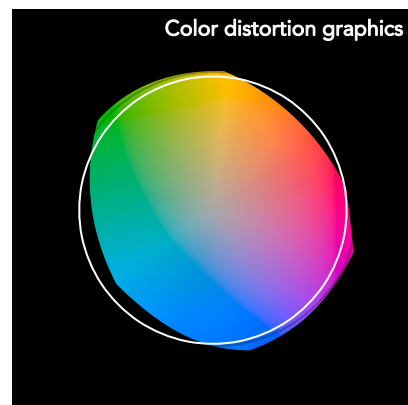
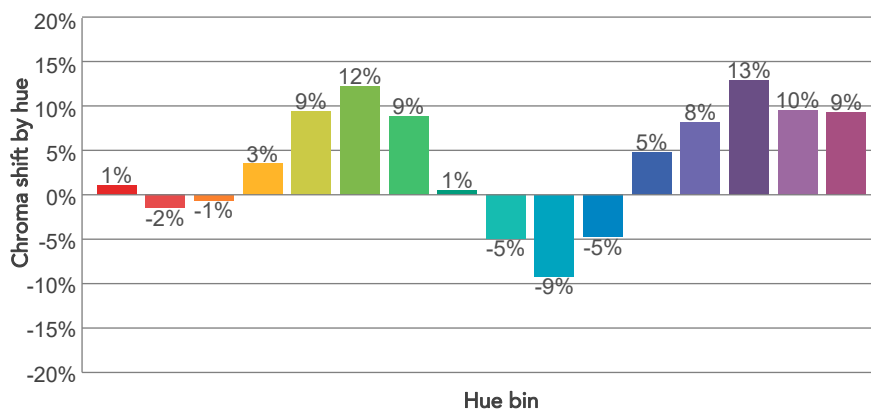
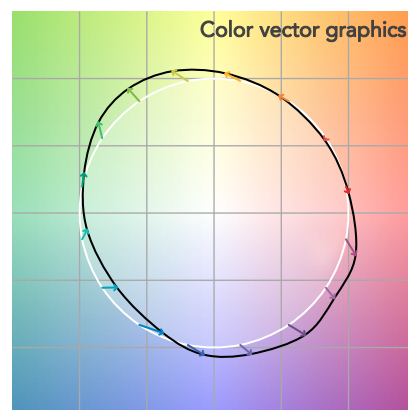
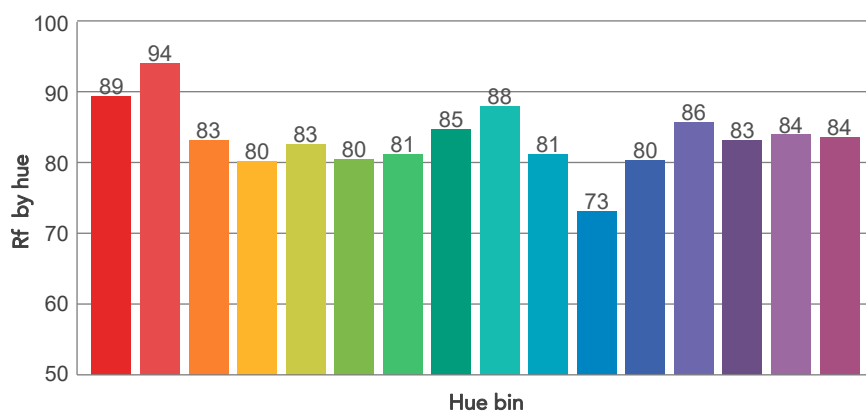
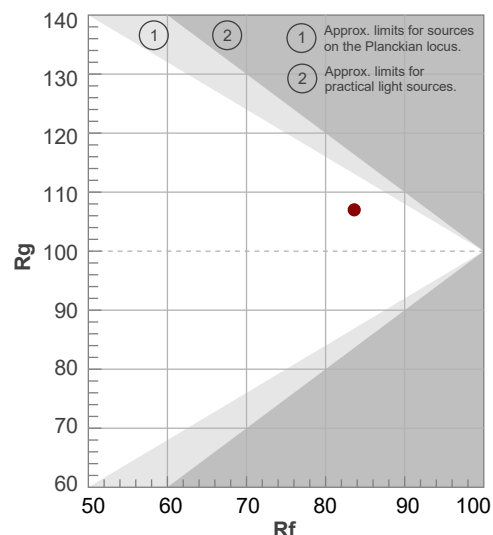
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3234 K	83,8	82,8	83,6	107,0	84,6	72	0,428	0,413	0,0051

TM30 DETAILS

Rf 83,6
Fidelity index Rf

Rg 107,0
Gammut index

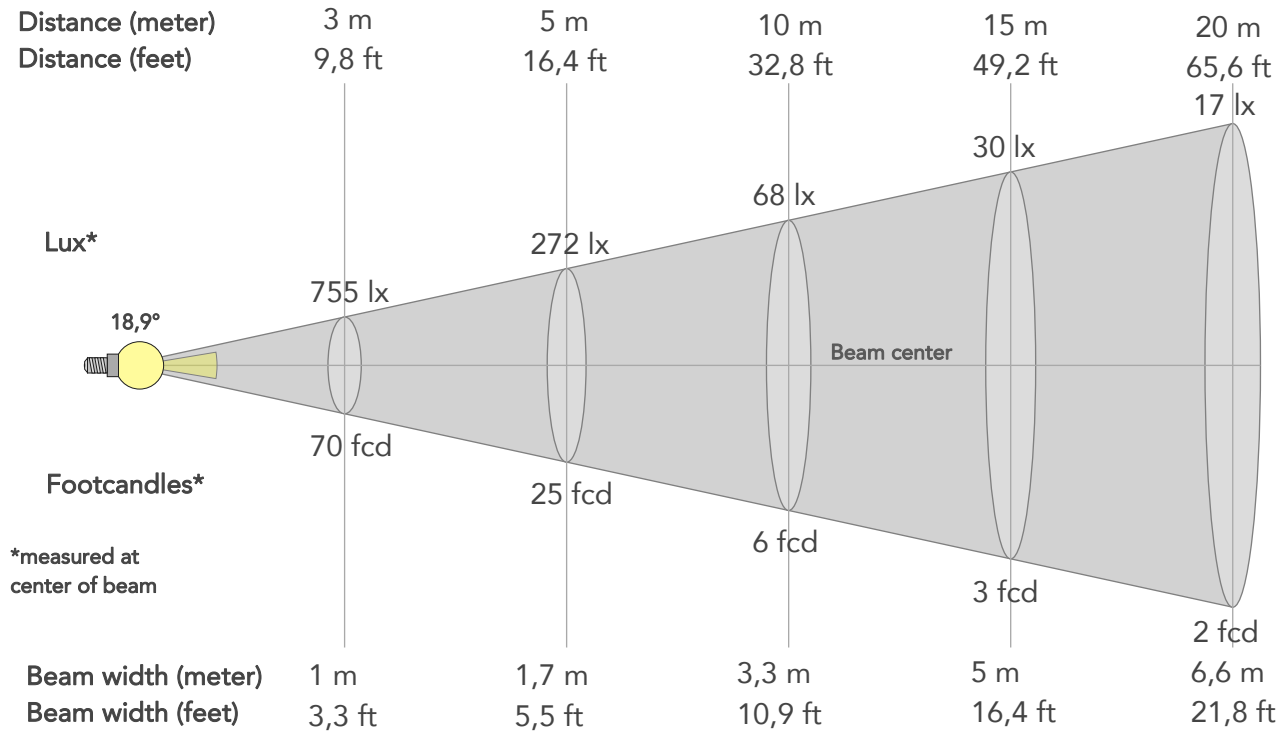
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	1%	-5%
2	94	-2%	-1%
3	83	-1%	8%
4	80	3%	12%
5	83	9%	10%
6	80	12%	2%
7	81	9%	-8%
8	85	1%	-10%
9	88	-5%	-6%
10	81	-9%	6%
11	73	-5%	18%
12	80	5%	13%
13	86	8%	7%
14	83	13%	6%
15	84	10%	-3%
16	84	9%	-10%



BEAM DETAILS



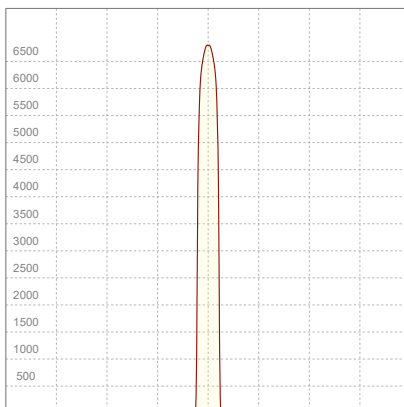
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,9°	21,2°	22,1°	98,1%	97,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6795lx	1699lx	755lx	425lx	272lx	121lx	68lx	30lx	17lx	11lx	8lx	4lx	3lx
Footcand.	631fcd	158fcd	70fcd	39fcd	25fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,7m	2,5m	3,3m	5m	6,6m	8,3m	10m	13,3m	16,6m
Beam wid.	1,1ft	2,2ft	3,3ft	4,4ft	5,5ft	8,2ft	10,9ft	16,4ft	21,8ft	27,3ft	32,7ft	43,6ft	54,5ft

LINEAR DISTRIBUTION DIAGRAM

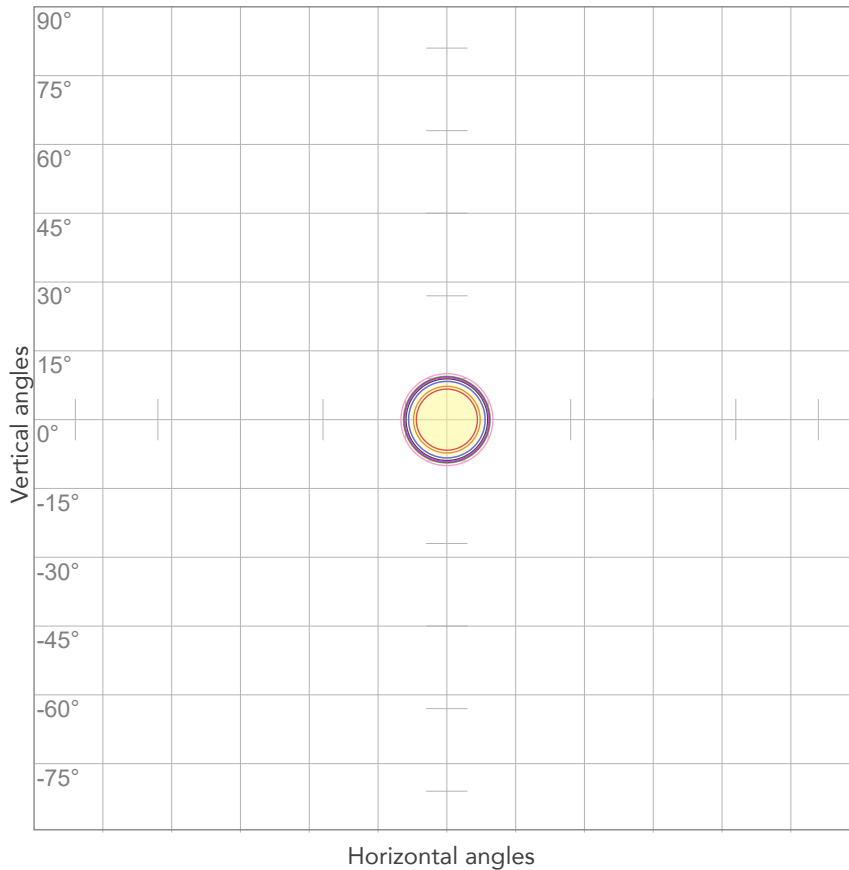


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
229V	0,133A	25,8W	0,85	22lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



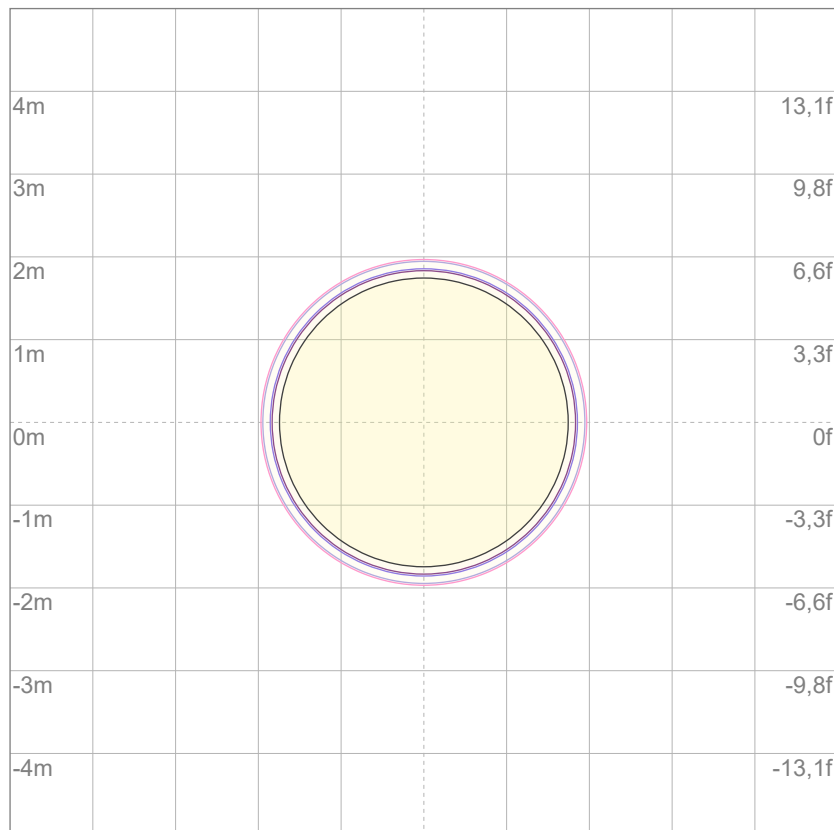
10%	679 cd
20%	1359 cd
30%	2038 cd
40%	2718 cd
50%	3397 cd
60%	4077 cd
70%	4756 cd
80%	5436 cd

Conditions:

Number of c-planes: 2

Candela at center: 6795 cd

ISO LUX DIAGRAM



3%	2,04 lx
5%	3,40 lx
10%	6,79 lx
30%	20,4 lx
50%	34,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 67,9 lx

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



Total lumen output:

578 lm

Peak candela output:

24298 cd

Light quality:

CRI: 83,8

Color temperature:

3205 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 1020 Lens - Min Zoom

Target:

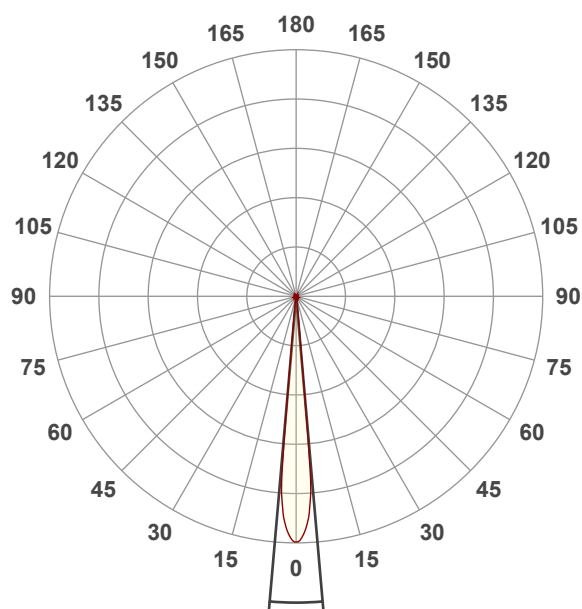
3200K

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 16:12:22

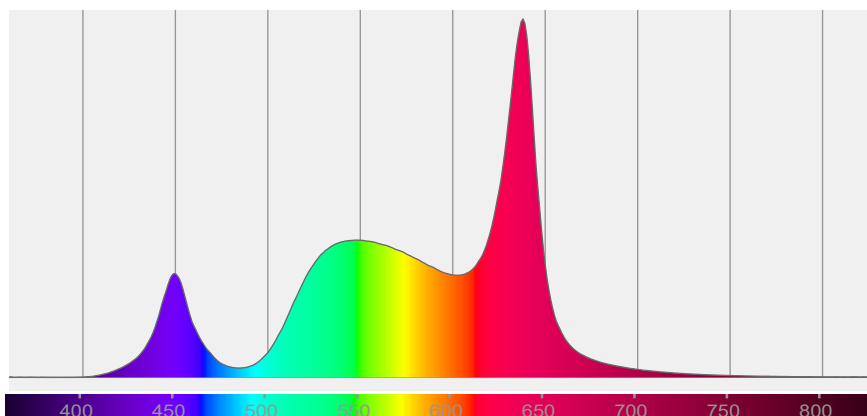


Beam angle 50%: 9,9°

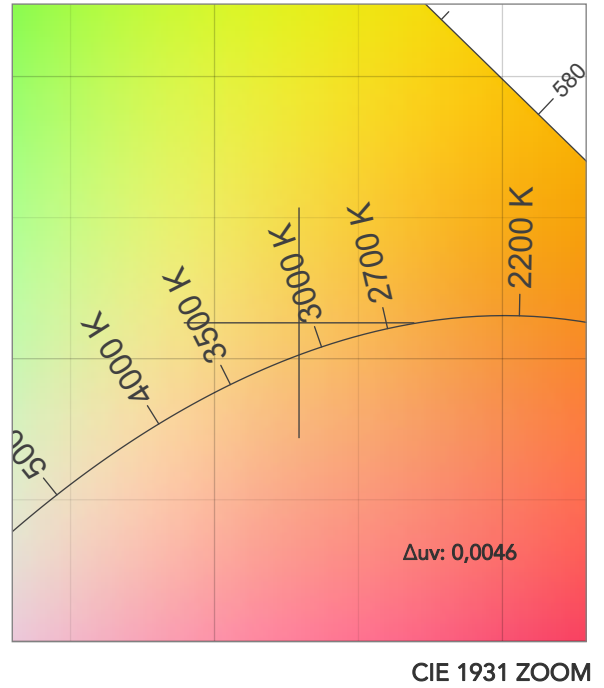
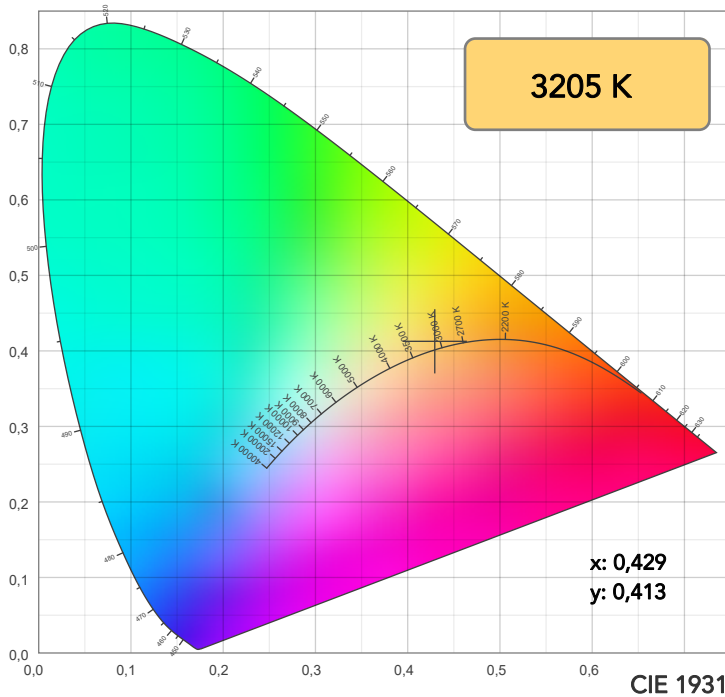
Field angle 10%: 11,6°

Cut off angle 2.5%: 12,9°

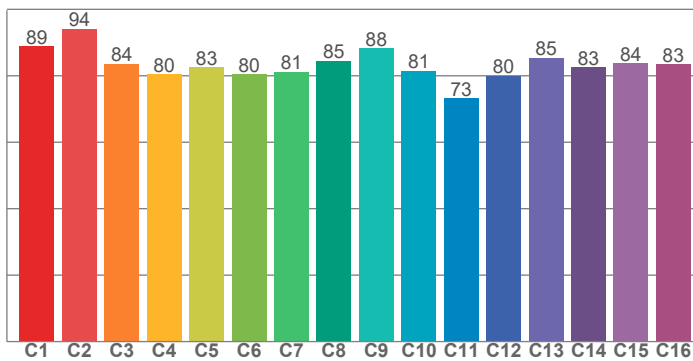
Spectra



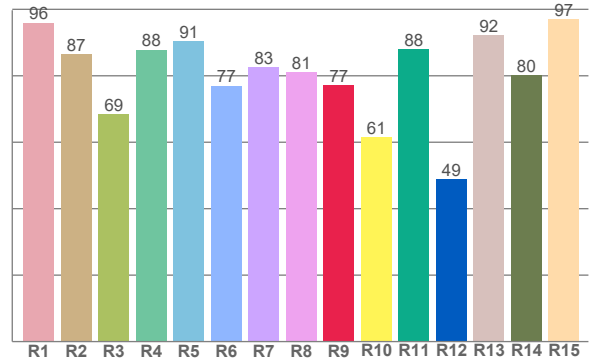
COLOR DETAILS



TM30: 83,6



CRI: 83,8 (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
96,0	86,5	68,5	87,8	90,5	77,0	82,6	81,2	77,3	61,5	88,0	49,0	92,3	80,1	97,0

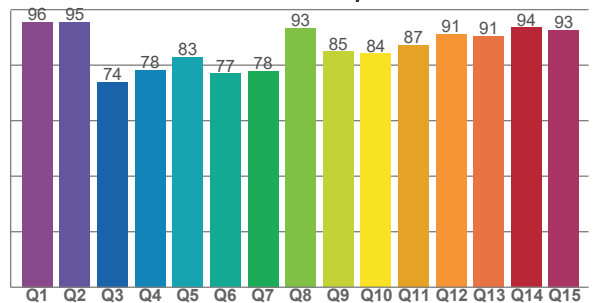
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,0	94,1	83,6	80,4	82,6	80,4	81,2	84,6	88,2	81,5	73,3	80,0	85,4	82,5	83,7	83,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,6	95,5	74,0	78,3	82,9	77,1	77,9	93,4	84,9	84,1	87,3	91,3	90,5	93,6	92,7

CQS: 84,7



COLOR PARAMETERS

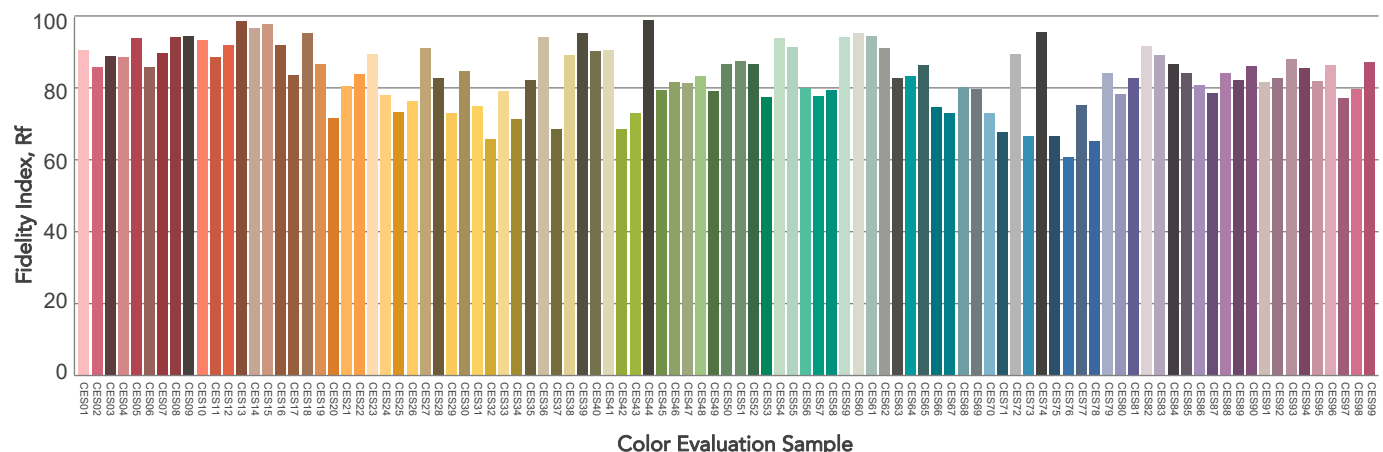
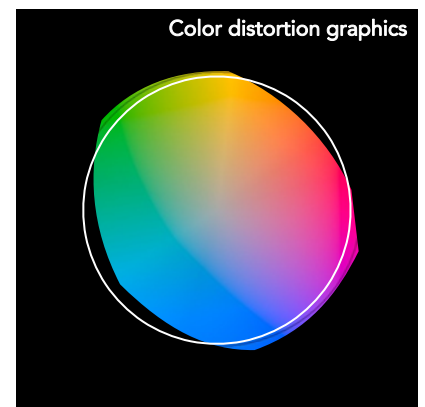
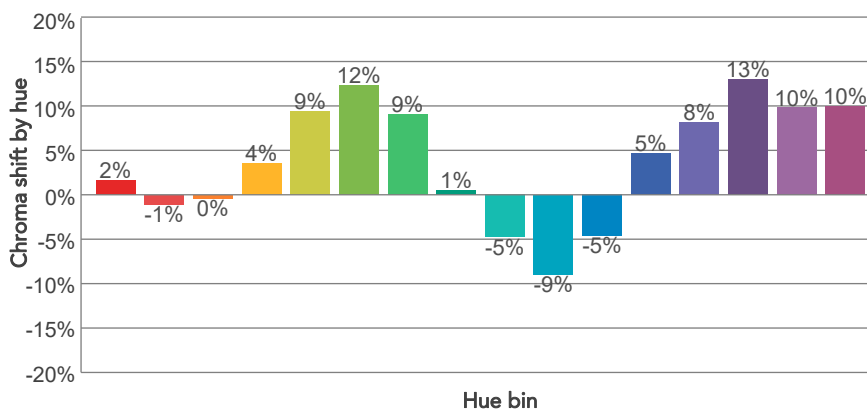
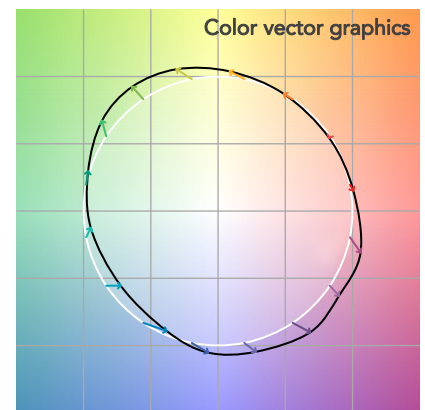
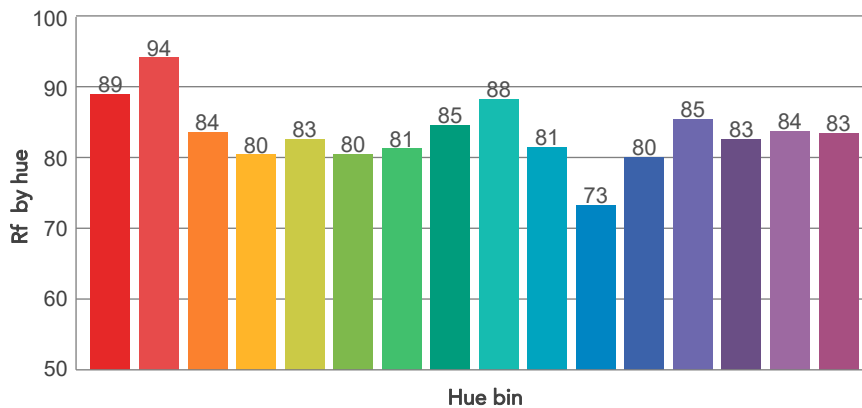
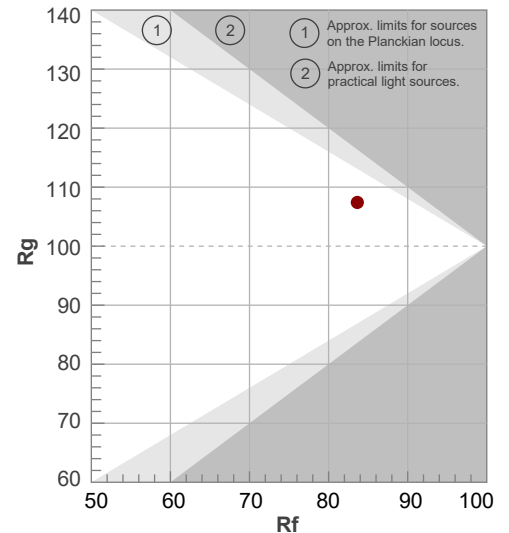
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3205 K	83,8	77,3	83,6	107,4	84,7	73	0,429	0,413	0,0046

TM30 DETAILS

Rf 83,6
Fidelity index Rf

Rg 107,4
Gammut index

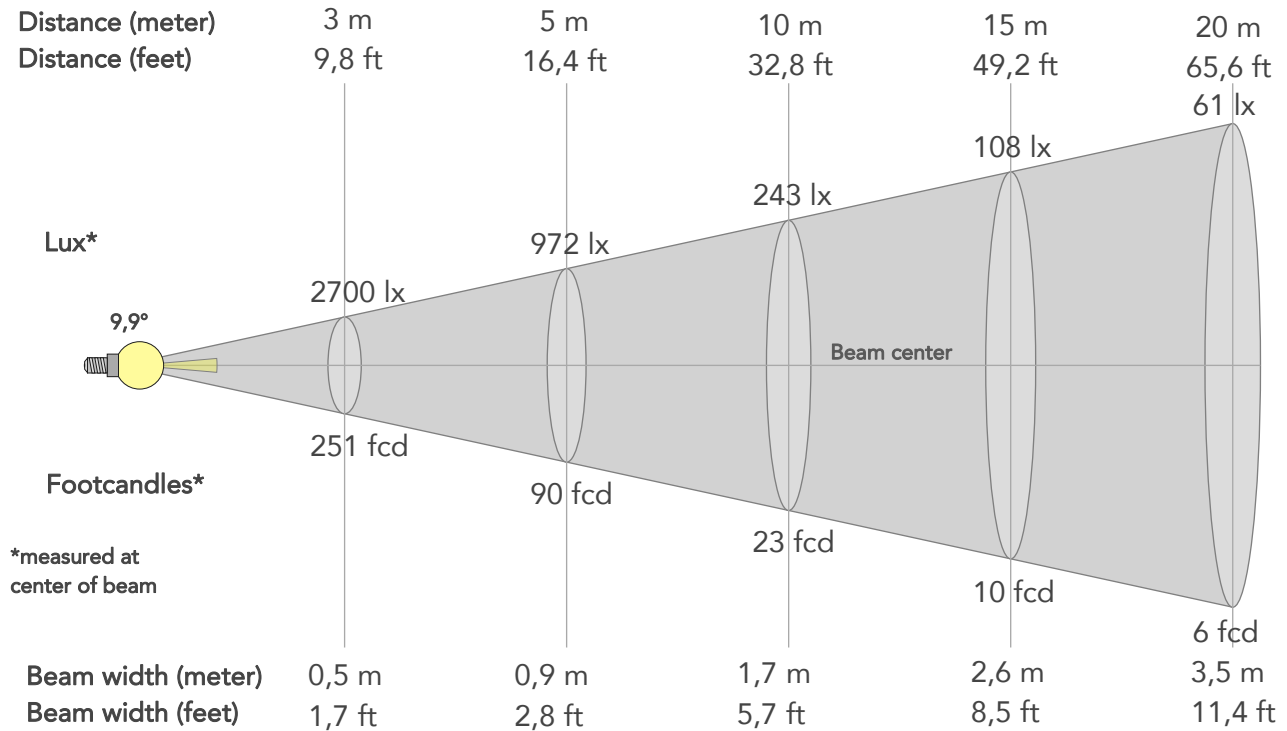
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	2%	-5%
2	94	-1%	-1%
3	84	0%	8%
4	80	4%	12%
5	83	9%	10%
6	80	12%	2%
7	81	9%	-8%
8	85	1%	-10%
9	88	-5%	-6%
10	81	-9%	6%
11	73	-5%	18%
12	80	5%	13%
13	85	8%	7%
14	83	13%	7%
15	84	10%	-2%
16	83	10%	-9%



BEAM DETAILS



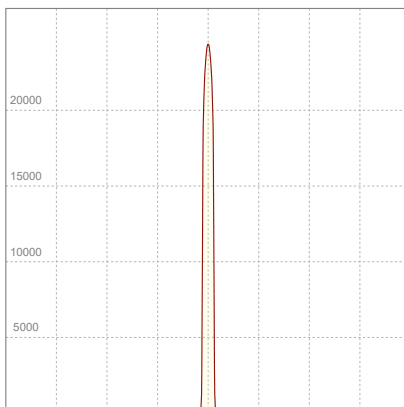
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,9°	11,6°	12,9°	97,1%	95,9%



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	24298lx	6075lx	2700lx	1519lx	972lx	432lx	243lx	108lx	61lx	39lx	27lx	15lx	10lx
Footcand.	2257fcd	564fcd	251fcd	141fcd	90fcd	40fcd	23fcd	10fcd	6fcd	4fcd	3fcd	1fcd	1fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,5m	4,3m	5,2m	6,9m	8,7m
Beam wid.	0,6ft	1,1ft	1,7ft	2,3ft	2,8ft	4,3ft	5,7ft	8,5ft	11,4ft	14,2ft	17,1ft	22,8ft	28,5ft

LINEAR DISTRIBUTION DIAGRAM

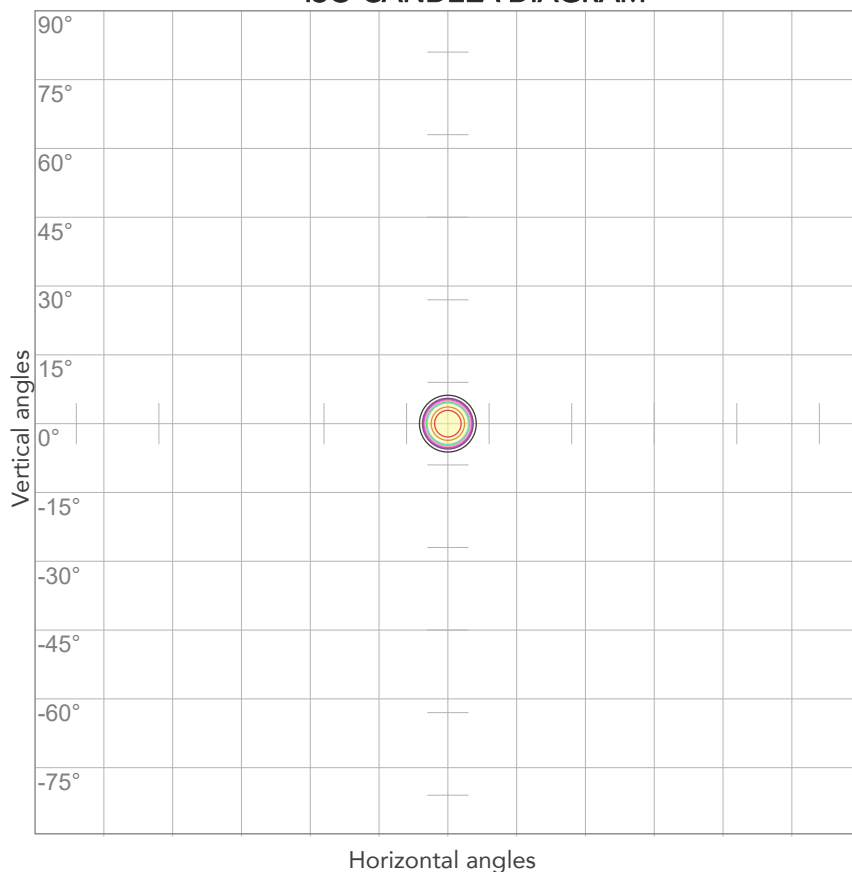


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,135A	26,0W	0,85	22lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



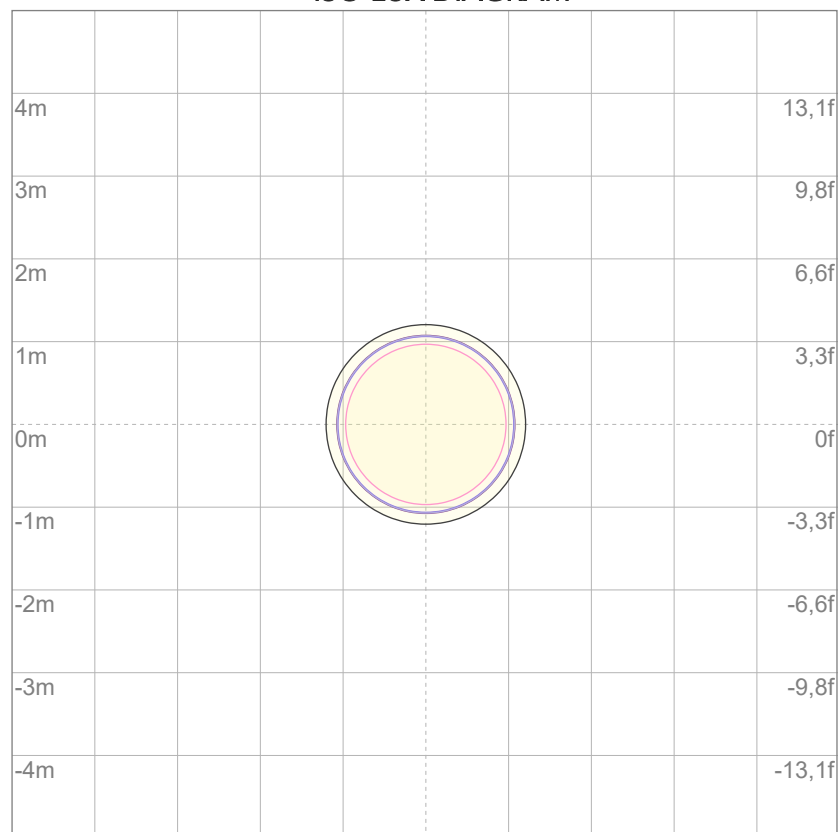
10%	2430 cd
20%	4860 cd
30%	7290 cd
40%	9719 cd
50%	12149 cd
60%	14579 cd
70%	17009 cd
80%	19439 cd

Conditions:

Number of c-planes: 2

Candela at center: 24298 cd

ISO LUX DIAGRAM



3%	7,29 lx
5%	12,1 lx
10%	24,3 lx
30%	72,9 lx
50%	121 lx

Conditions:

Number of c-planes: 2

Lux at center: 243 lx

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



Total lumen output:

541 lm

Peak candela output:

6593 cd

Light quality:

CRI: 81,6

Color temperature:

4011 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 1020 Lens - Max Zoom

Target:

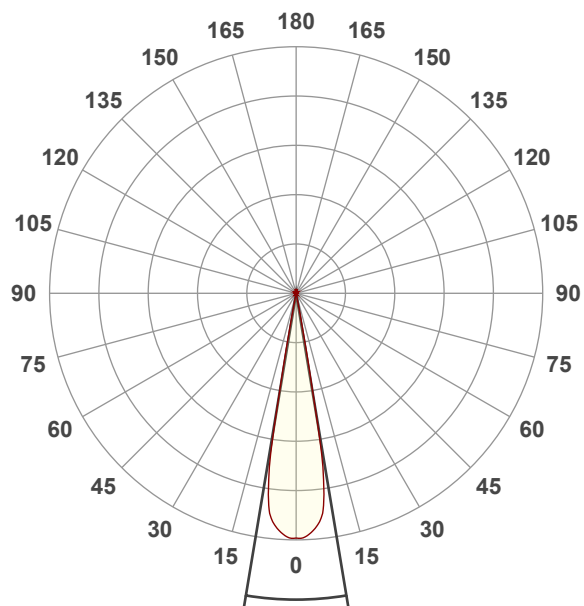
4000K

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 15:28:22

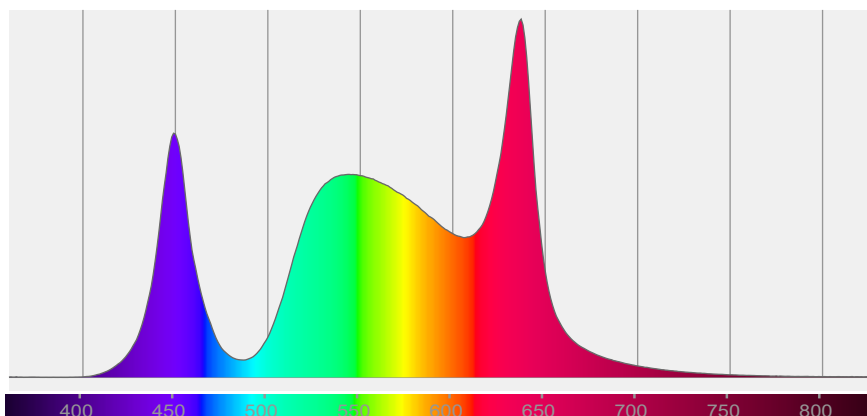


Beam angle 50%: 18,9°

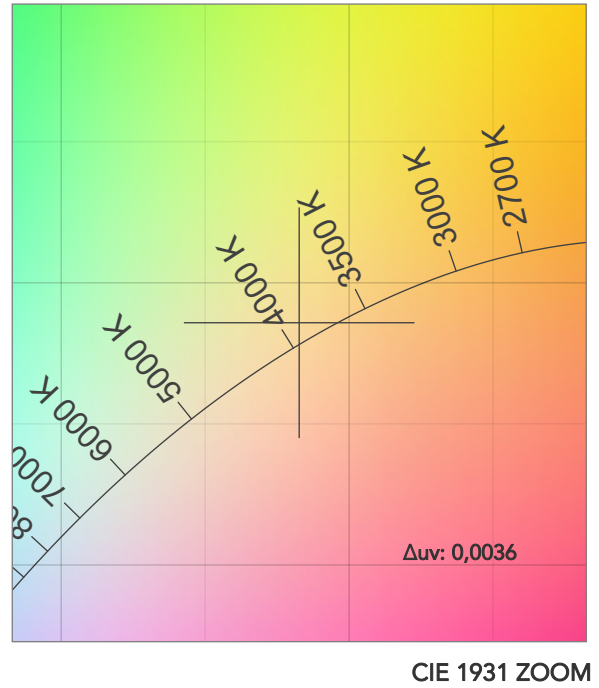
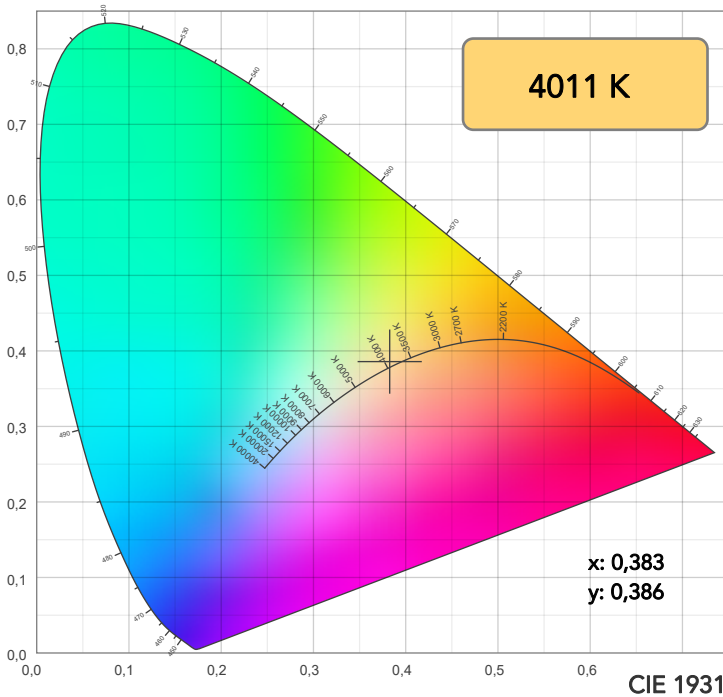
Field angle 10%: 21,4°

Cut off angle 2.5%: 22°

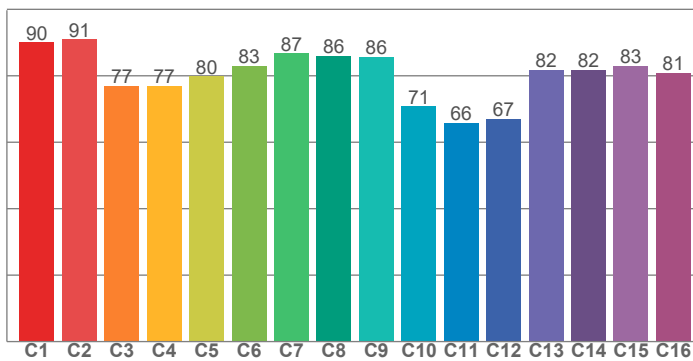
Spectra



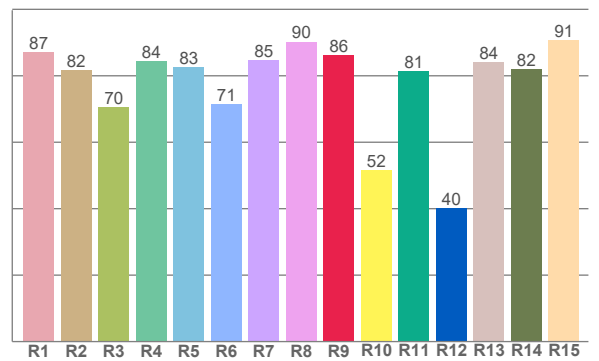
COLOR DETAILS



TM30: 80,5



CRI: 81,6 (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
87,0	81,7	70,5	84,4	82,5	71,3	84,7	90,3	86,1	51,5	81,4	40,2	84,0	81,9	90,7

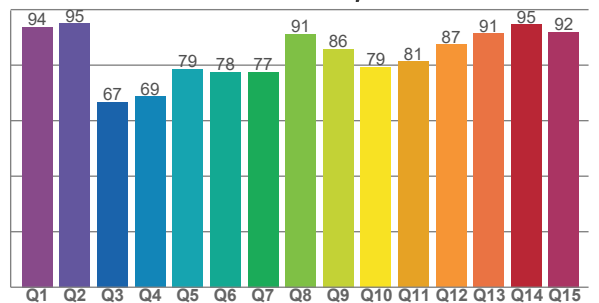
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,1	91,0	77,0	76,9	79,8	83,1	86,8	86,1	85,7	70,9	65,8	67,1	81,8	81,8	83,1	80,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,7	95,0	66,6	68,7	78,6	77,6	77,5	91,3	85,8	79,3	81,2	87,4	91,3	94,6	91,9

CQS: 81,7



COLOR PARAMETERS

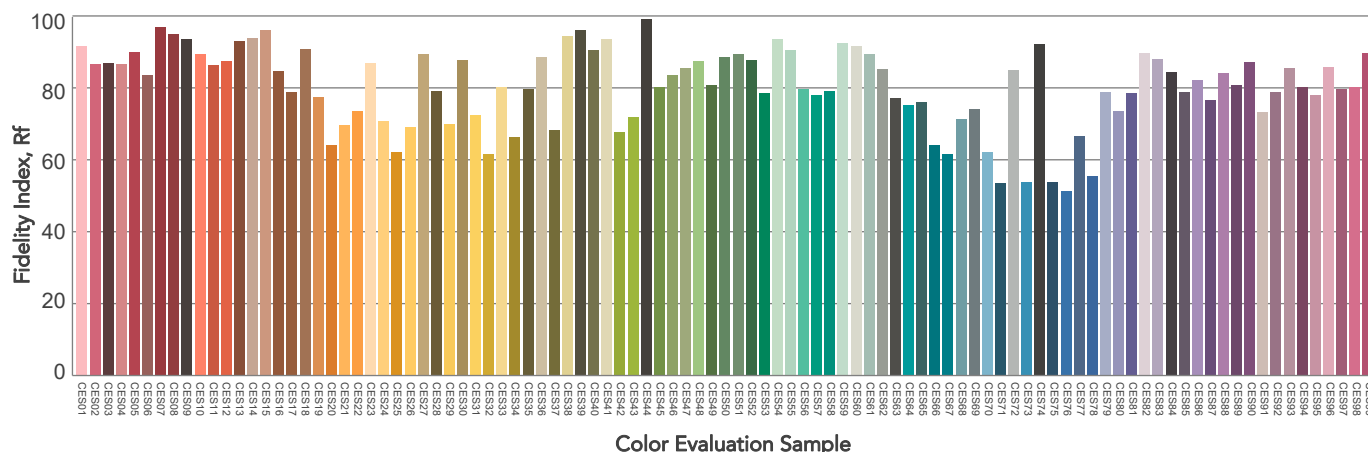
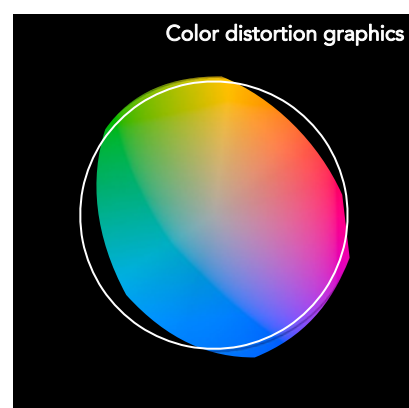
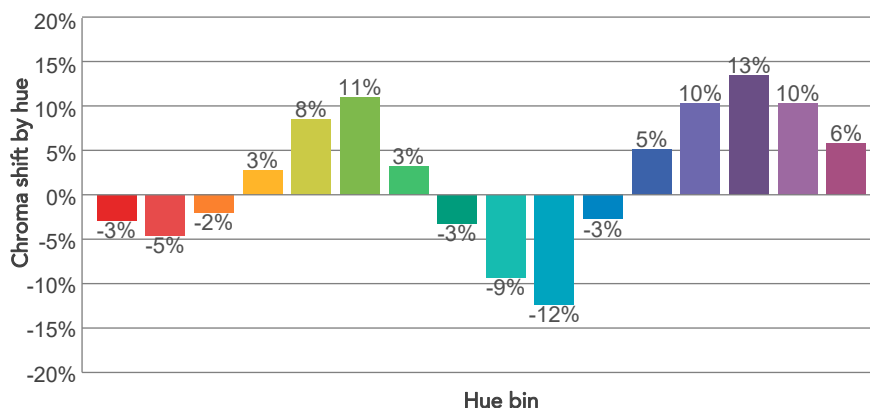
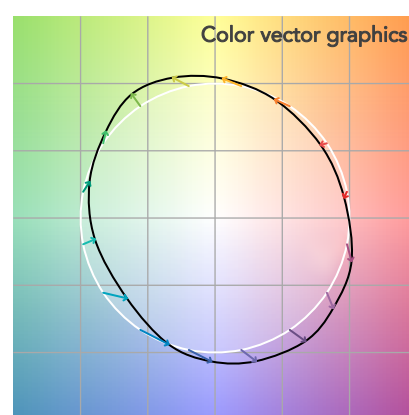
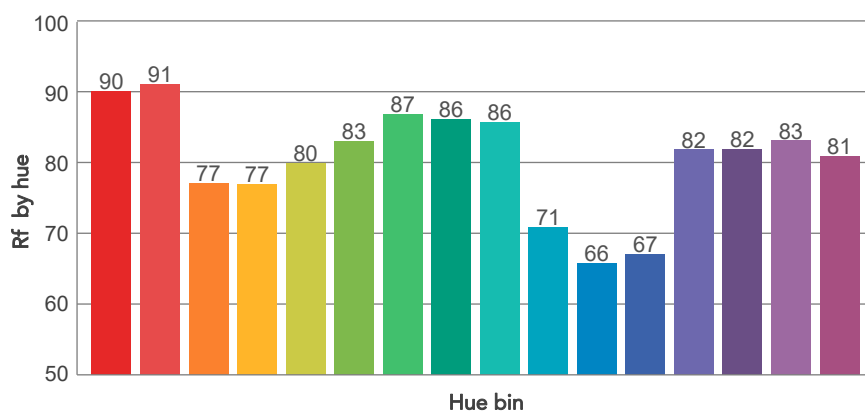
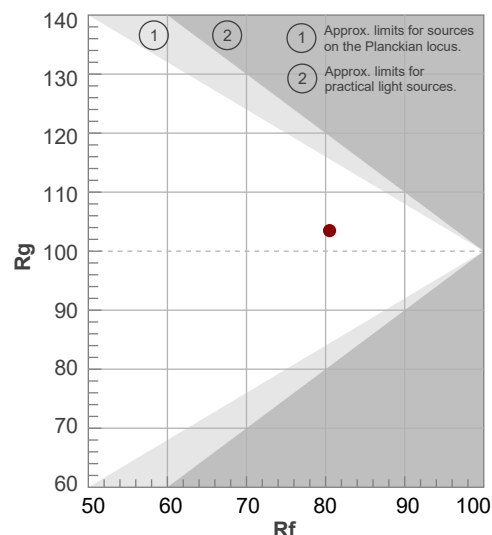
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4011 K	81,6	86,1	80,5	103,5	81,7	69	0,383	0,386	0,0036

TM30 DETAILS

Rf 80,5
Fidelity index Rf

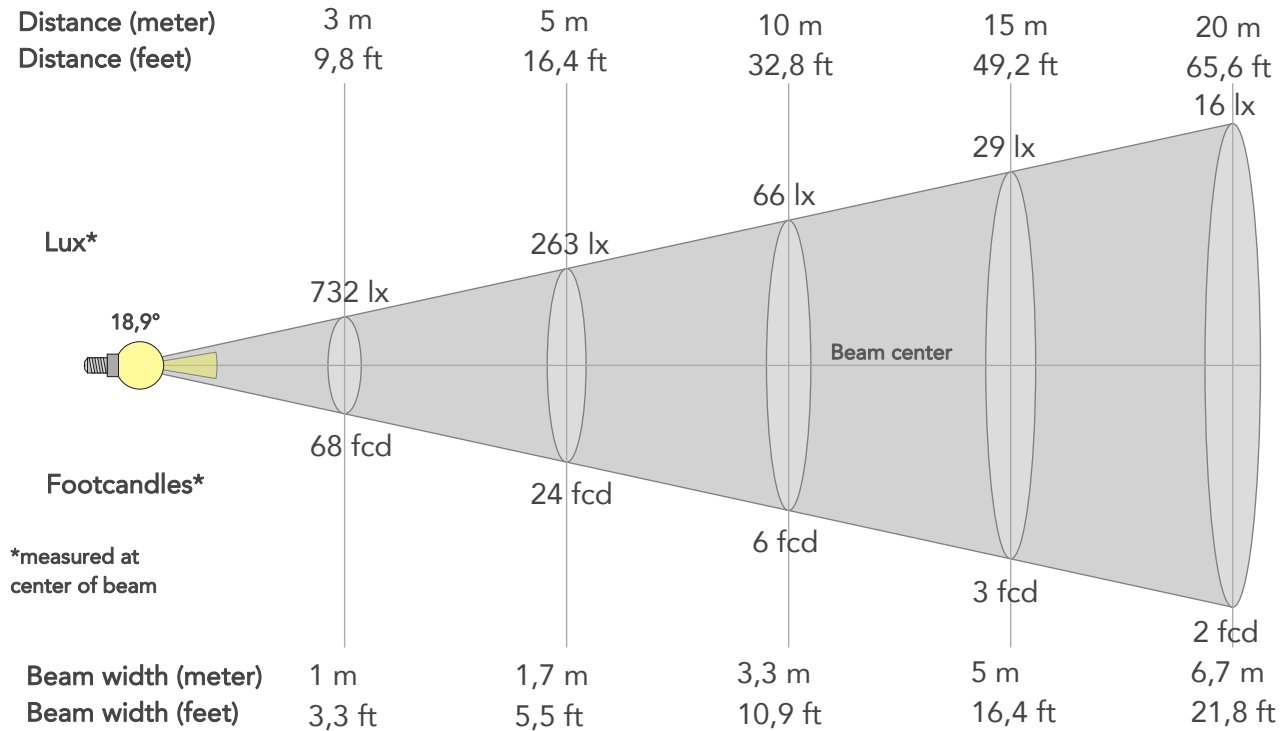
Rg 103,5
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	90	-3%	-4%
2	91	-5%	2%
3	77	-2%	12%
4	77	3%	14%
5	80	8%	10%
6	83	11%	0%
7	87	3%	-8%
8	86	-3%	-8%
9	86	-9%	-2%
10	71	-12%	13%
11	66	-3%	23%
12	67	5%	18%
13	82	10%	9%
14	82	13%	5%
15	83	10%	-7%
16	81	6%	-12%



BEAM DETAILS

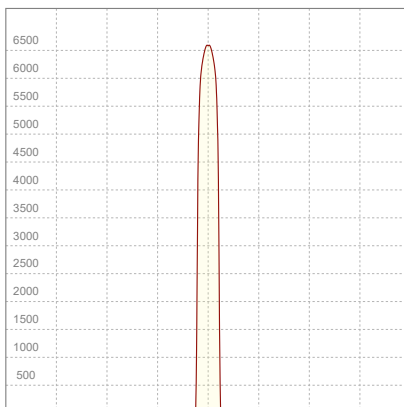
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,9°	21,4°	22°	98,5%	98,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6586lx	1646lx	732lx	412lx	263lx	117lx	66lx	29lx	16lx	11lx	7lx	4lx	3lx
Footcand.	612fcd	153fcd	68fcd	38fcd	24fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,7m	2,5m	3,3m	5m	6,7m	8,3m	10m	13,3m	16,6m
Beam wid.	1,1ft	2,2ft	3,3ft	4,4ft	5,5ft	8,2ft	10,9ft	16,4ft	21,8ft	27,3ft	32,7ft	43,6ft	54,6ft

LINEAR DISTRIBUTION DIAGRAM

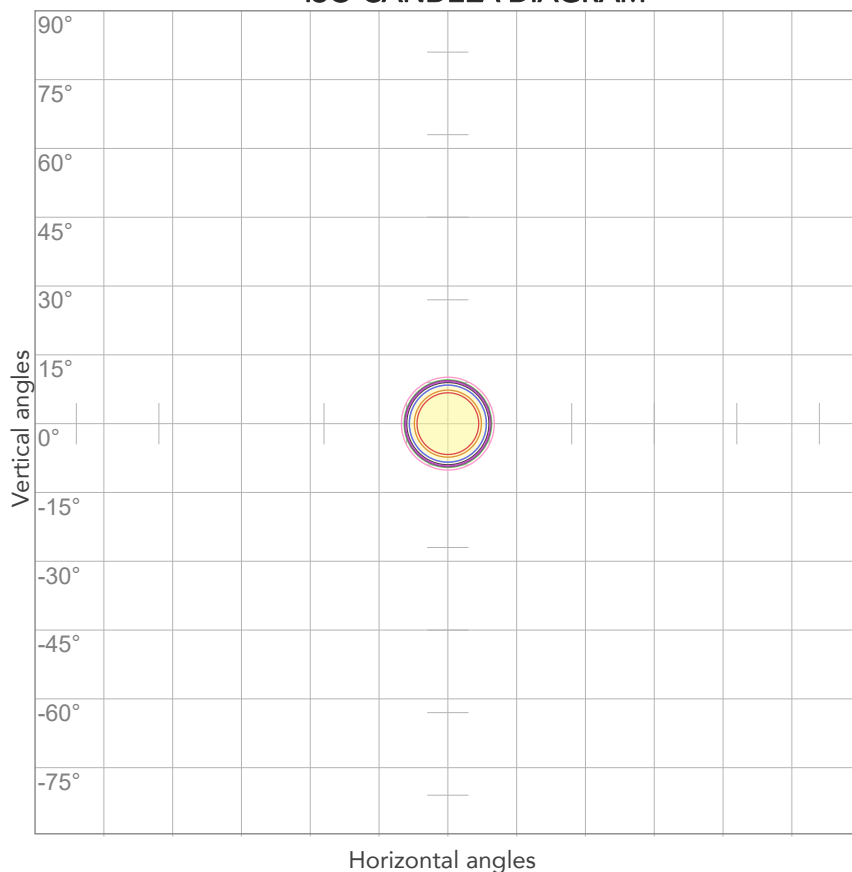


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,132A	25,7W	0,85	21lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



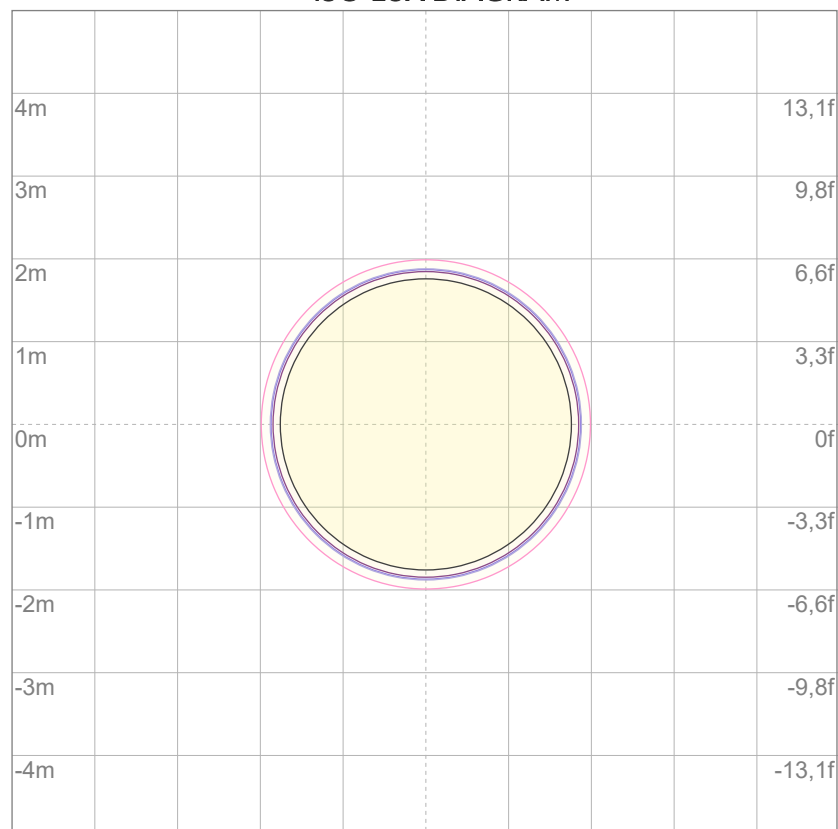
10%	659 cd
20%	1317 cd
30%	1976 cd
40%	2634 cd
50%	3293 cd
60%	3951 cd
70%	4610 cd
80%	5268 cd

Conditions:

Number of c-planes: 2

Candela at center: 6586 cd

ISO LUX DIAGRAM



3%	1,98 lx
5%	3,29 lx
10%	6,59 lx
30%	19,8 lx
50%	32,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 65,9 lx

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



Total lumen output:

570 lm

Peak candela output:

23811 cd

Light quality:

CRI: 81,6

Color temperature:

4004 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 1020 Lens - Min Zoom

Target:

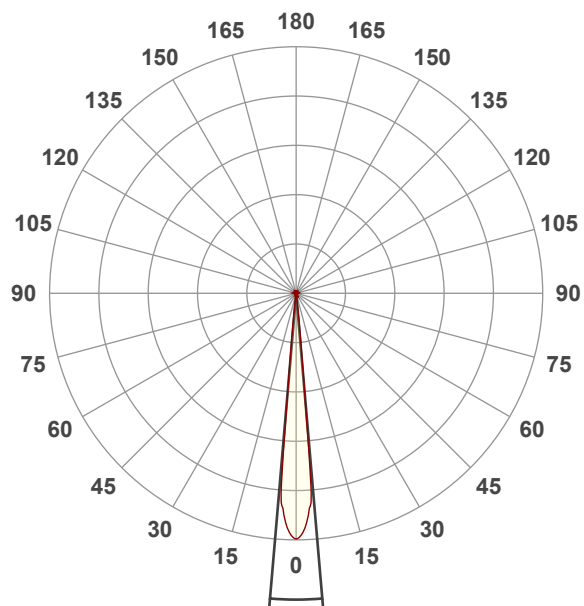
4000K

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 16:08:42

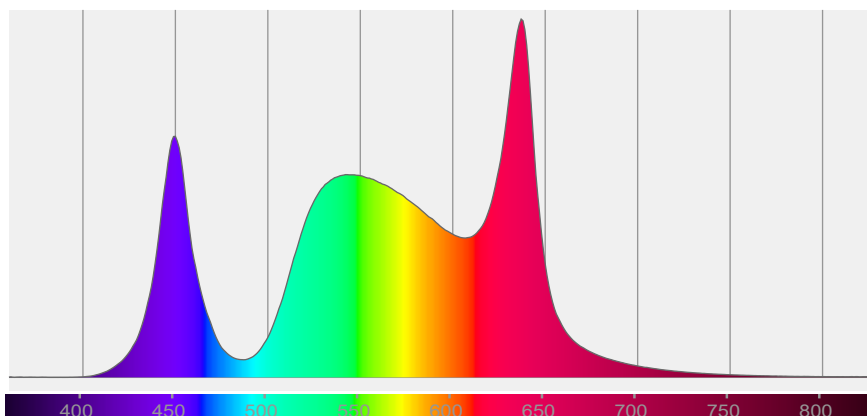


Beam angle 50%: 9,8°

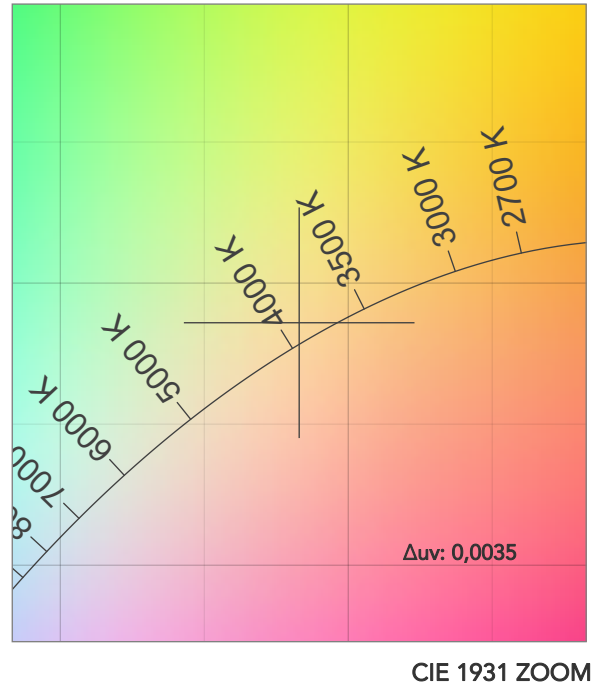
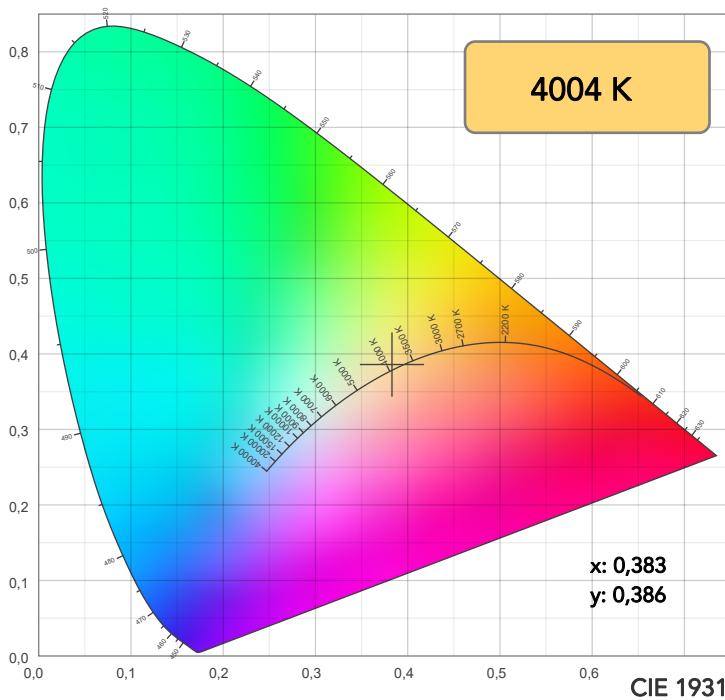
Field angle 10%: 11,9°

Cut off angle 2.5%: 12,7°

Spectra

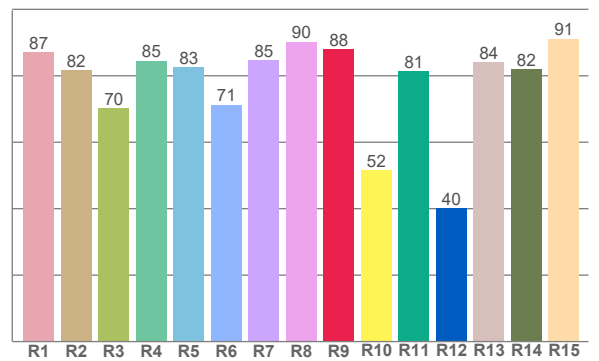
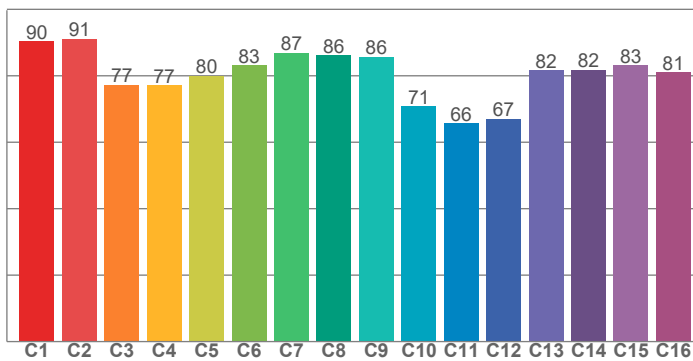


COLOR DETAILS



TM30: 80,6

CRI: 81,6 (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
87,2	81,8	70,3	84,6	82,7	71,3	84,7	90,3	88,0	51,7	81,5	40,2	84,2	81,9	91,2

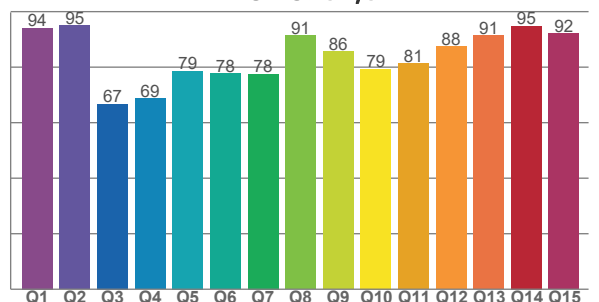
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,3	91,2	77,3	77,1	80,0	83,2	86,9	86,2	85,7	70,8	65,8	67,1	81,7	81,8	83,1	81,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,2	95,0	66,7	68,7	78,6	77,7	77,5	91,3	85,7	79,4	81,3	87,5	91,4	94,9	92,2

CQS: 81,8



COLOR PARAMETERS

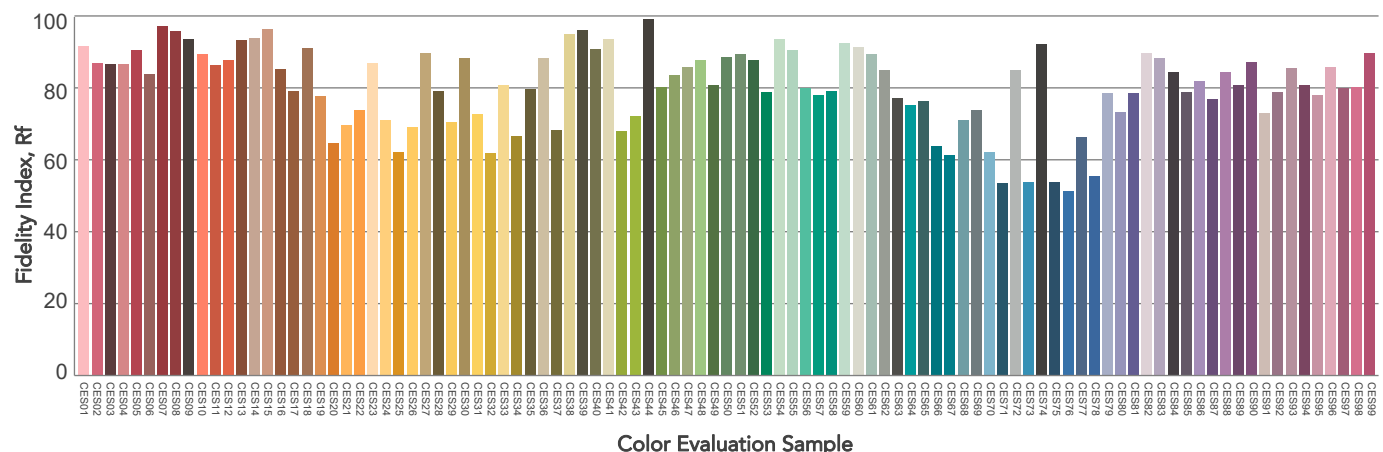
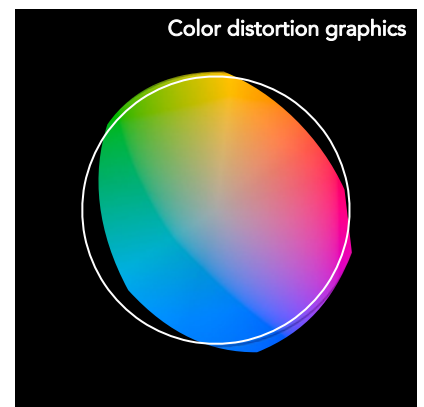
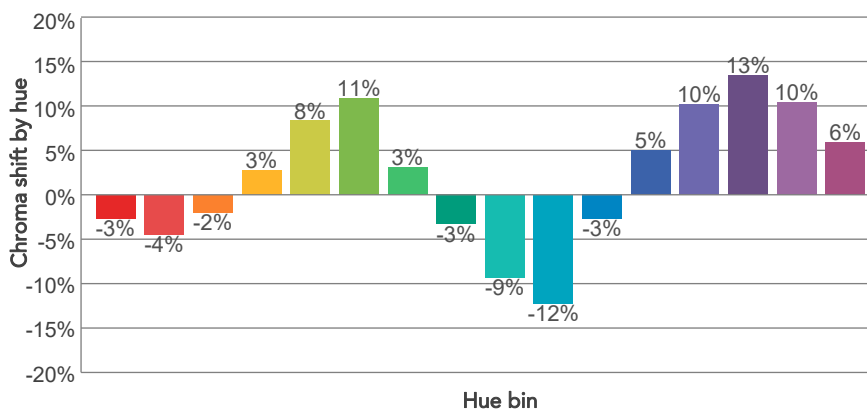
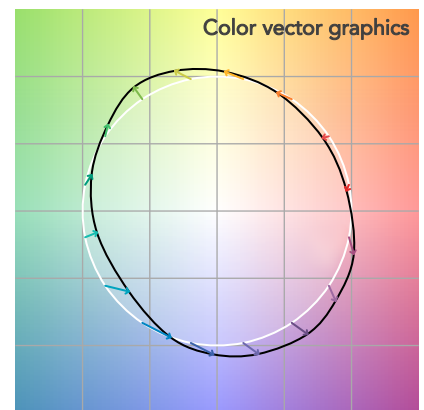
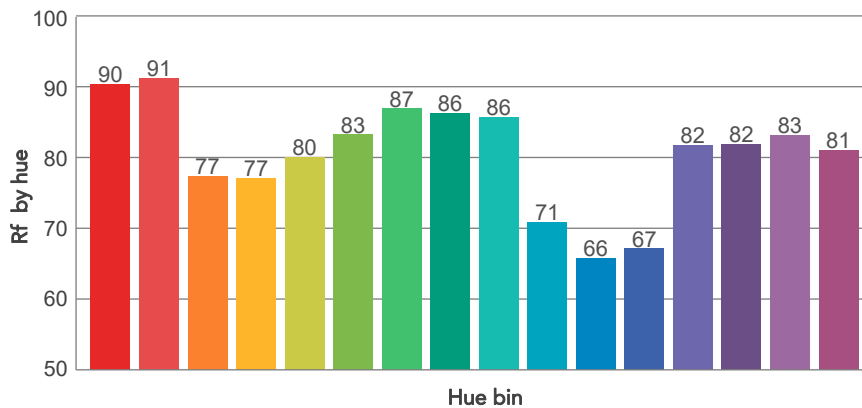
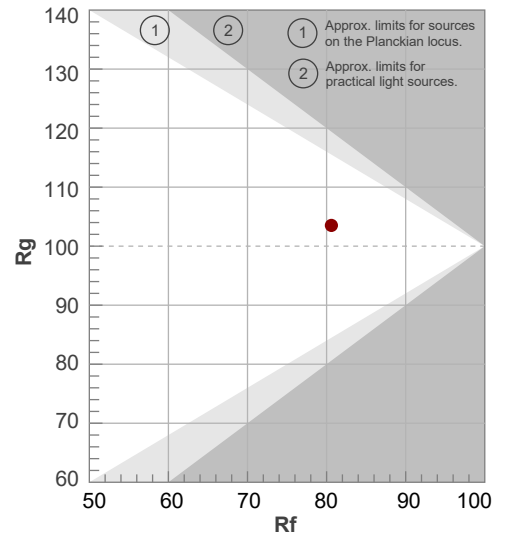
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4004 K	81,6	88,0	80,6	103,5	81,8	69	0,383	0,386	0,0035

TM30 DETAILS

Rf 80,6
Fidelity index Rf

Rg 103,5
Gammut index

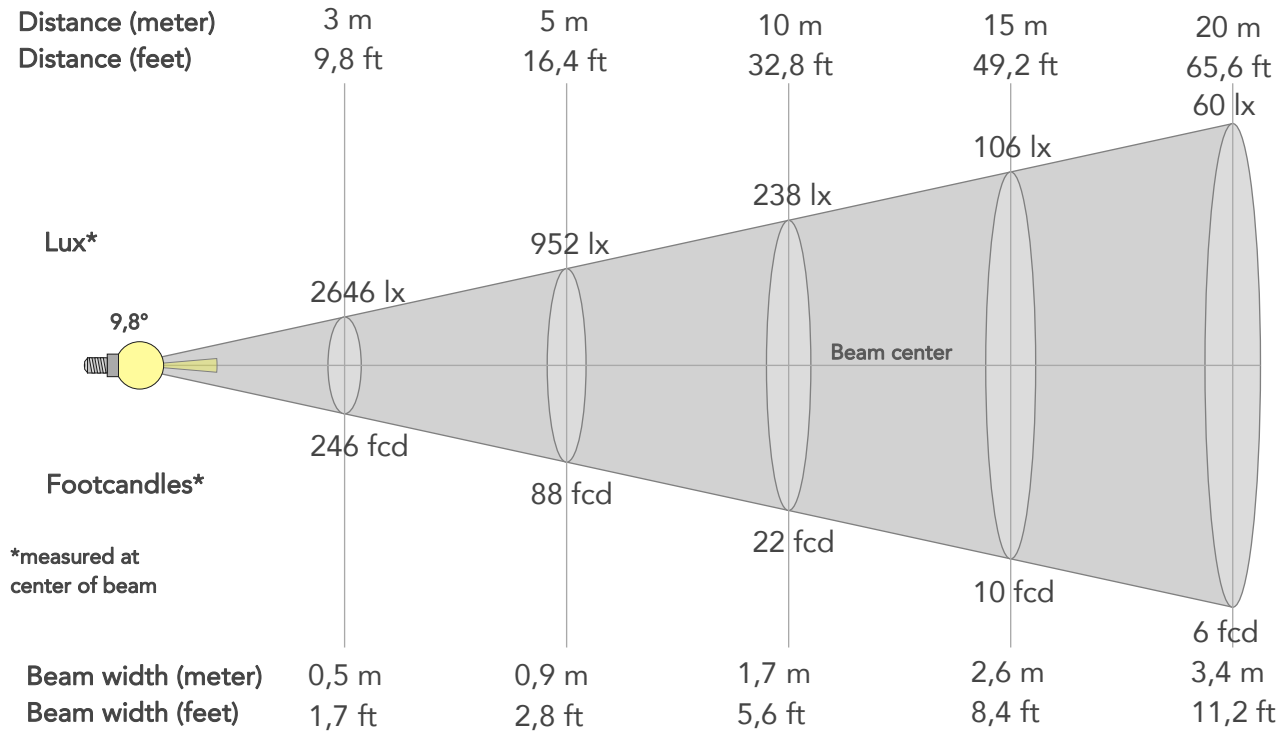
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	90	-3%	-4%
2	91	-4%	2%
3	77	-2%	12%
4	77	3%	14%
5	80	8%	10%
6	83	11%	0%
7	87	3%	-8%
8	86	-3%	-8%
9	86	-9%	-2%
10	71	-12%	13%
11	66	-3%	23%
12	67	5%	18%
13	82	10%	9%
14	82	13%	5%
15	83	10%	-7%
16	81	6%	-11%



BEAM DETAILS



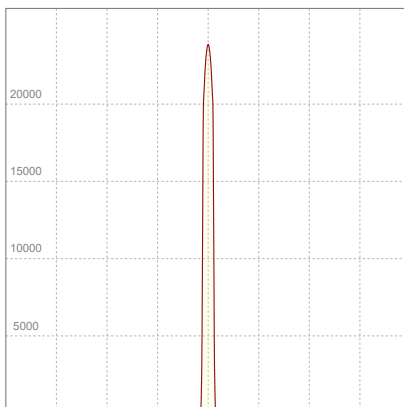
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,8°	11,9°	12,7°	95,8%	95,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	23811lx	5953lx	2646lx	1488lx	952lx	423lx	238lx	106lx	60lx	38lx	26lx	15lx	10lx
Footcand.	2212fcd	553fcd	246fcd	138fcd	88fcd	39fcd	22fcd	10fcd	6fcd	4fcd	2fcd	1fcd	1fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,4m	4,3m	5,1m	6,9m	8,6m
Beam wid.	0,6ft	1,1ft	1,7ft	2,2ft	2,8ft	4,2ft	5,6ft	8,4ft	11,2ft	14,1ft	16,9ft	22,5ft	28,1ft

LINEAR DISTRIBUTION DIAGRAM

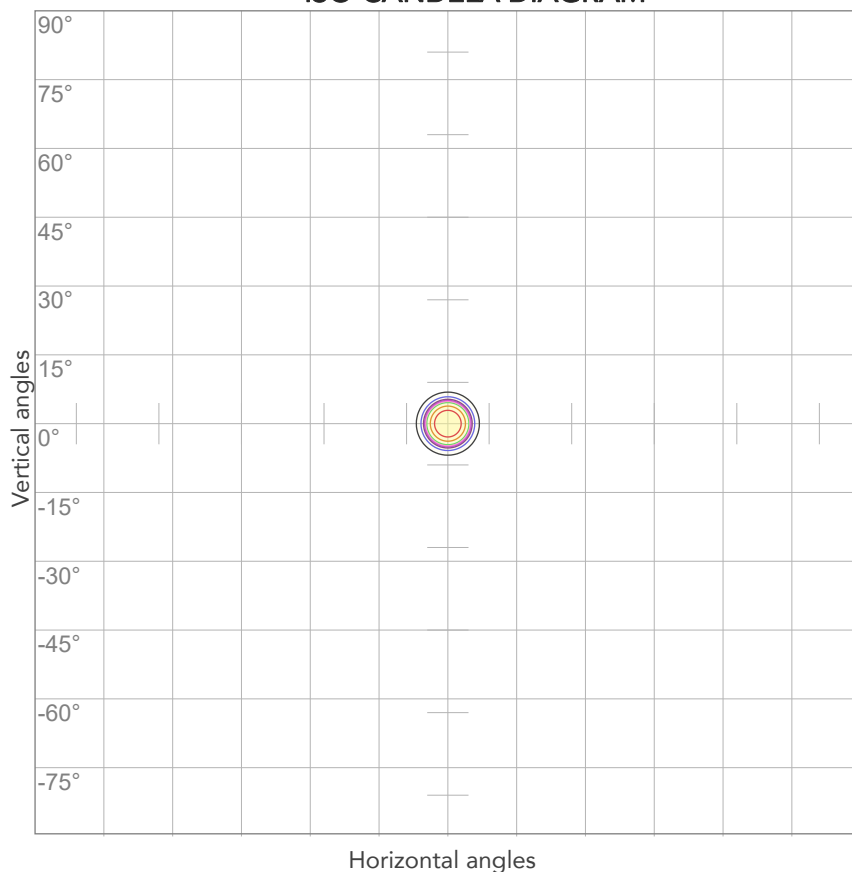


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,135A	25,6W	0,84	22lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



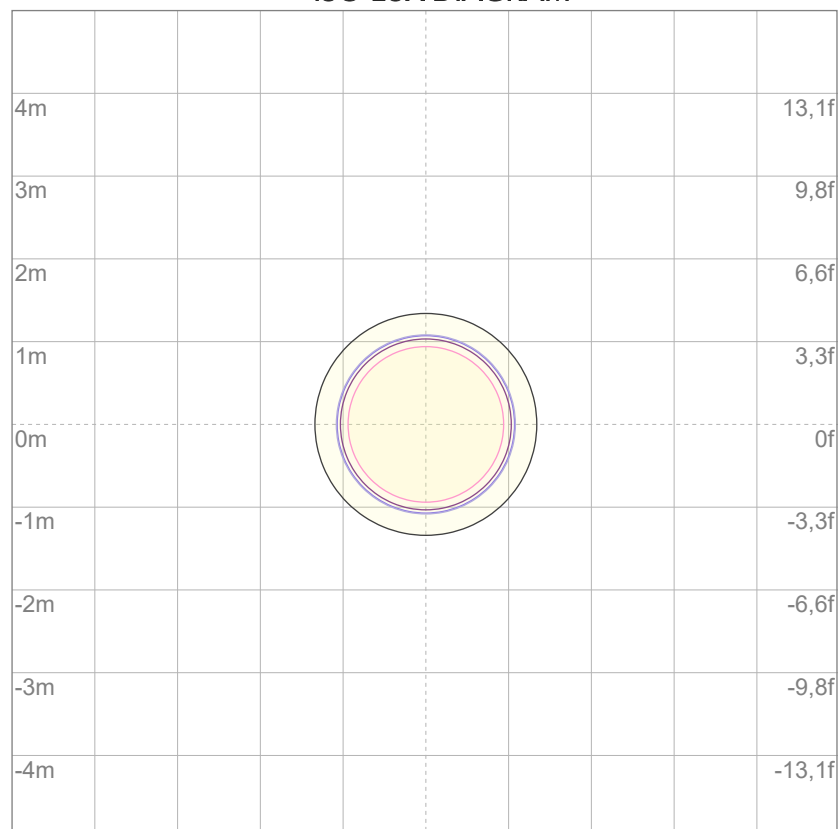
10%	2381 cd
20%	4762 cd
30%	7143 cd
40%	9524 cd
50%	11905 cd
60%	14286 cd
70%	16668 cd
80%	19049 cd

Conditions:

Number of c-planes: 2

Candela at center: 23811 cd

ISO LUX DIAGRAM



3%	7,14 lx
5%	11,9 lx
10%	23,8 lx
30%	71,4 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:

576 lm

Peak candela output:

7059 cd

Light quality:

CRI: 81,8

Color temperature:

5618 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 1020 Lens - Max Zoom

Target:

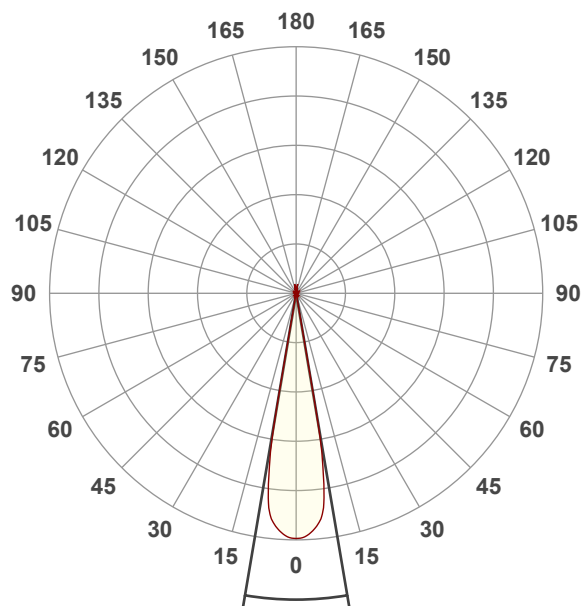
5600K

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 15:36:36

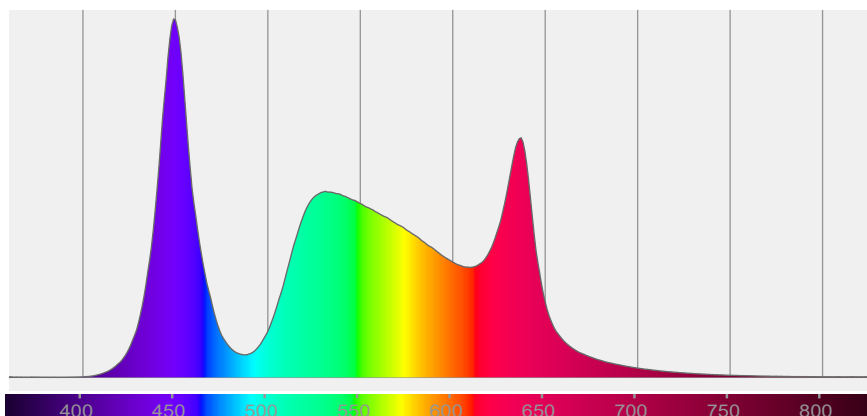


Beam angle 50%: 19,2°

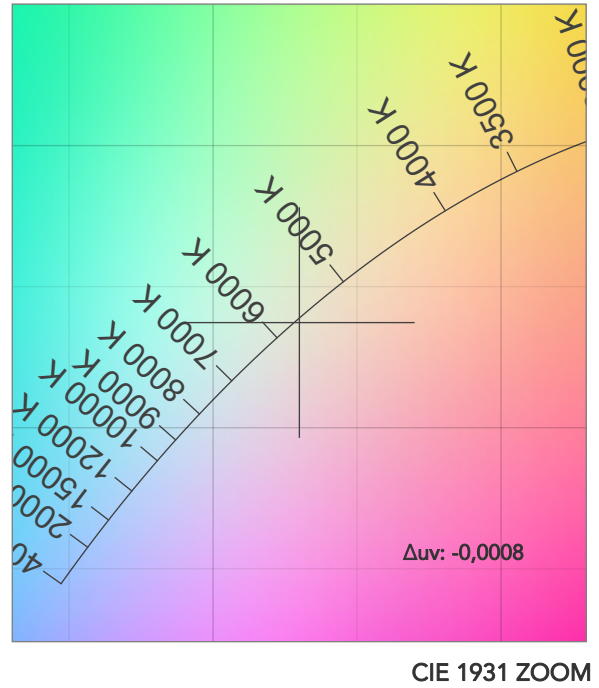
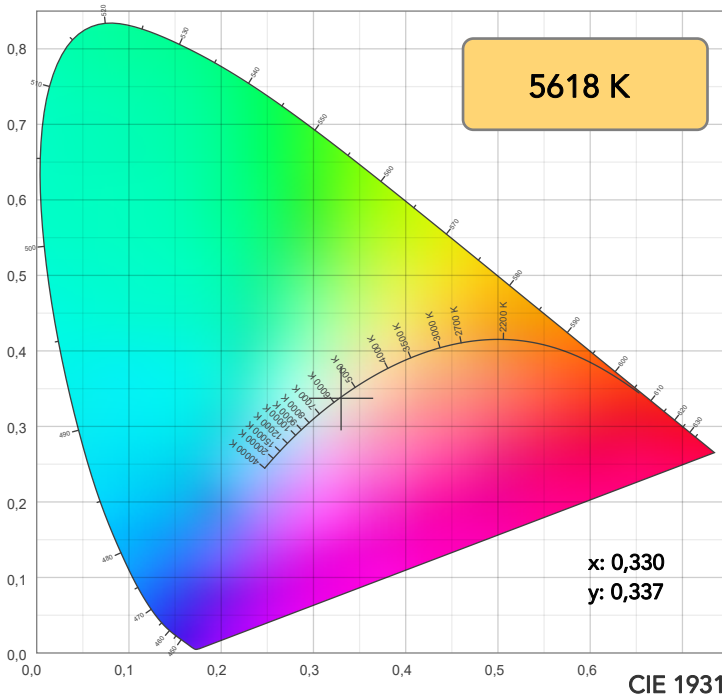
Field angle 10%: 20,7°

Cut off angle 2.5%: 21°

Spectra

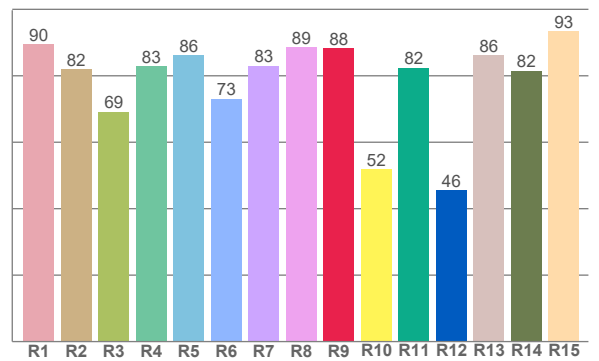
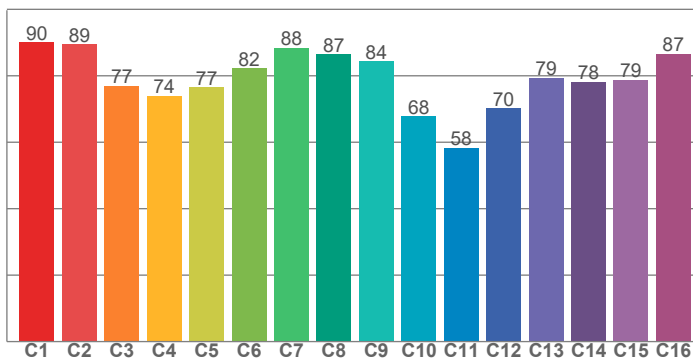


COLOR DETAILS



TM30: 78,9

CRI: 81,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
89,5	81,9	69,2	83,0	86,2	73,1	83,0	88,7	88,3	52,0	82,4	45,6	86,3	81,5	93,5

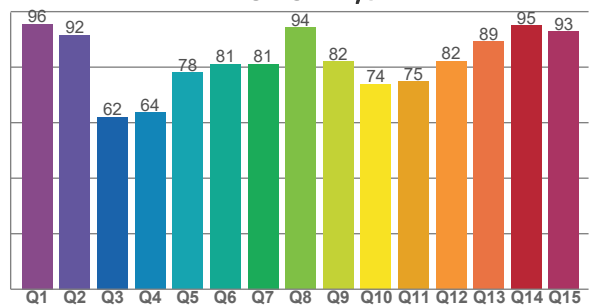
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,0	89,5	77,0	74,0	76,5	82,2	88,4	86,5	84,4	67,9	58,4	70,2	79,3	78,2	78,9	86,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,6	91,6	62,0	63,6	78,0	81,0	81,2	94,2	82,1	73,9	74,9	82,2	89,3	95,0	92,8

CQS: 79,6



COLOR PARAMETERS

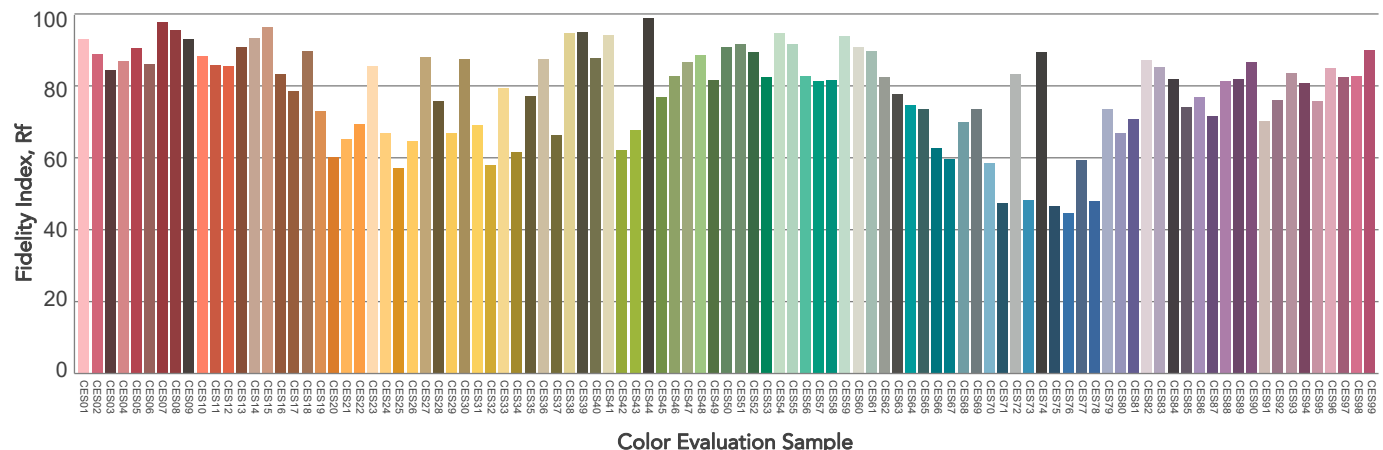
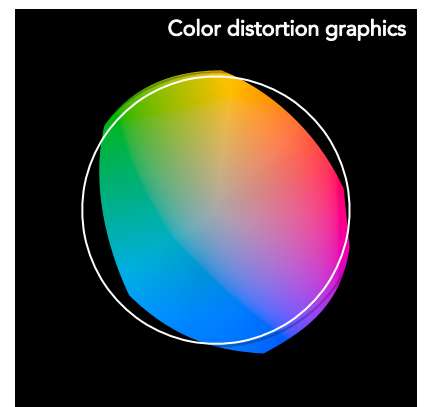
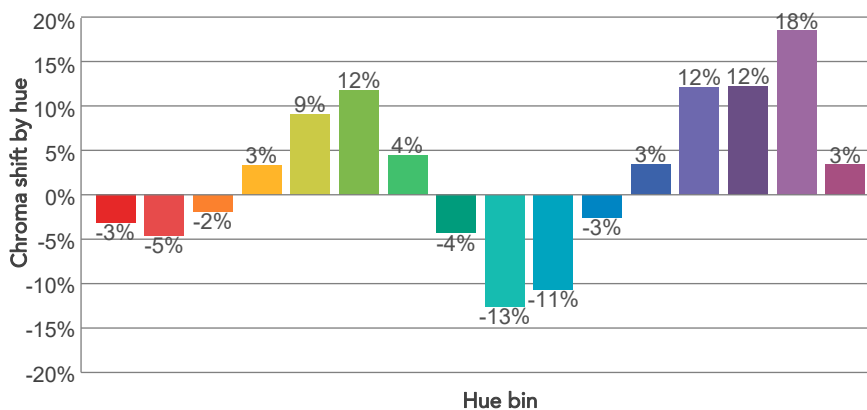
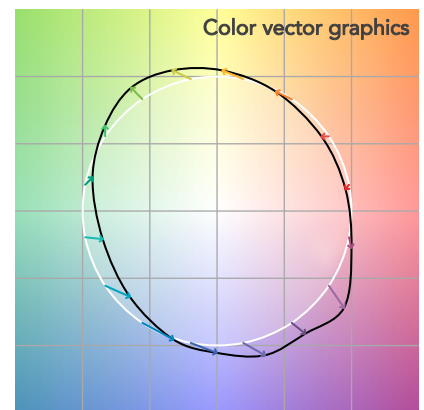
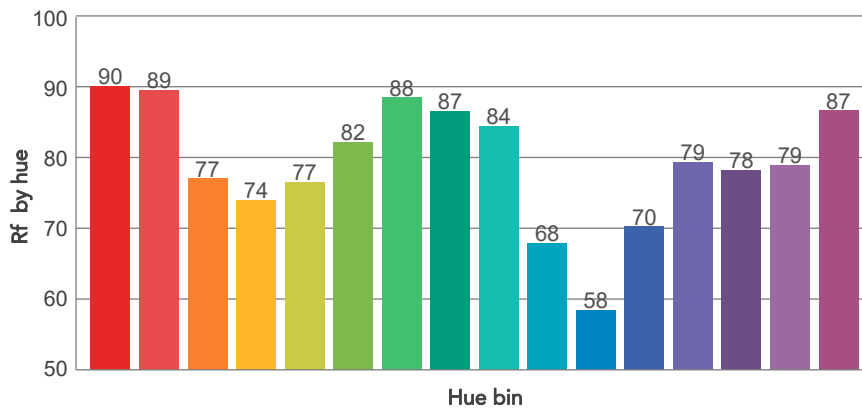
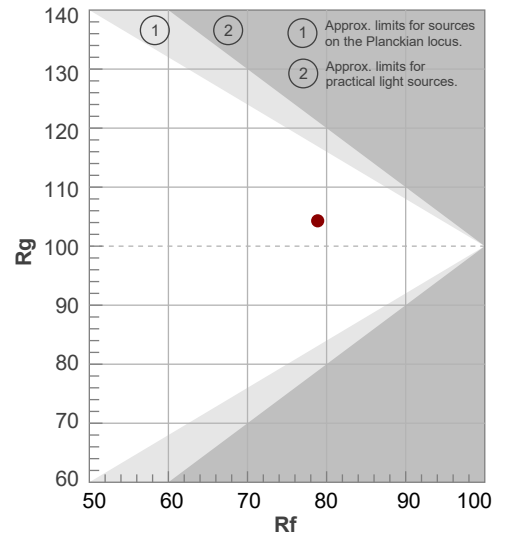
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5618 K	81,8	88,3	78,9	104,3	79,6	72	0,330	0,337	-0,0008

TM30 DETAILS

Rf 78,9
Fidelity index Rf

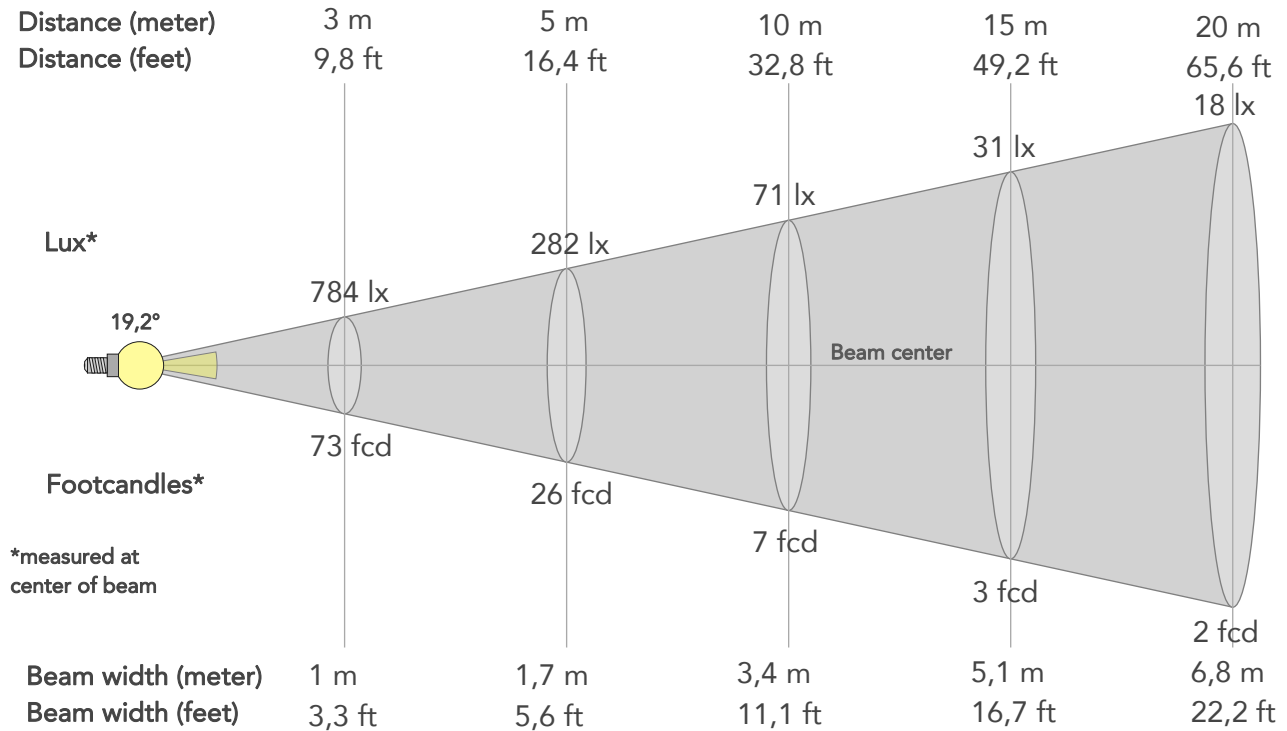
Rg 104,3
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	90	-3%	-3%
2	89	-5%	3%
3	77	-2%	13%
4	74	3%	16%
5	77	9%	12%
6	82	12%	2%
7	88	4%	-6%
8	87	-4%	-6%
9	84	-13%	4%
10	68	-11%	17%
11	58	-3%	26%
12	70	3%	20%
13	79	12%	14%
14	78	12%	4%
15	79	18%	-7%
16	87	3%	-7%



BEAM DETAILS

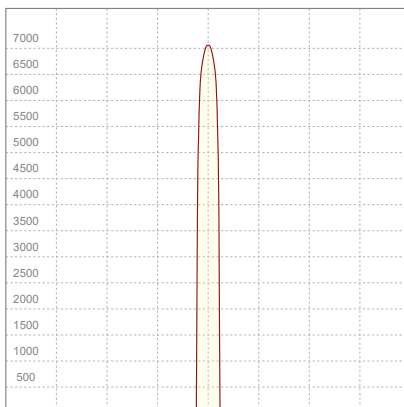
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
19,2°	20,7°	21°	98,4%	98,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	7059lx	1765lx	784lx	441lx	282lx	125lx	71lx	31lx	18lx	11lx	8lx	4lx	3lx
Footcand.	656fcd	164fcd	73fcd	41fcd	26fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,4m	1,7m	2,5m	3,4m	5,1m	6,8m	8,5m	10,2m	13,5m	16,9m
Beam wid.	1,1ft	2,2ft	3,3ft	4,4ft	5,6ft	8,3ft	11,1ft	16,7ft	22,2ft	27,8ft	33,3ft	44,4ft	55,5ft

LINEAR DISTRIBUTION DIAGRAM

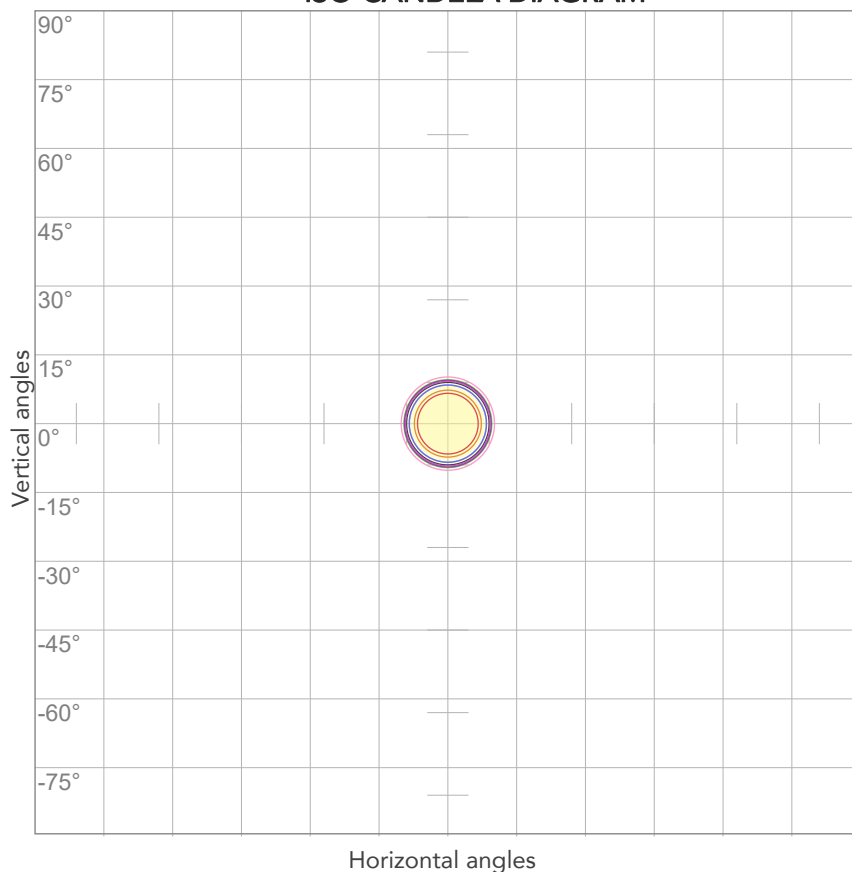


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,143A	28,4W	0,87	20lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



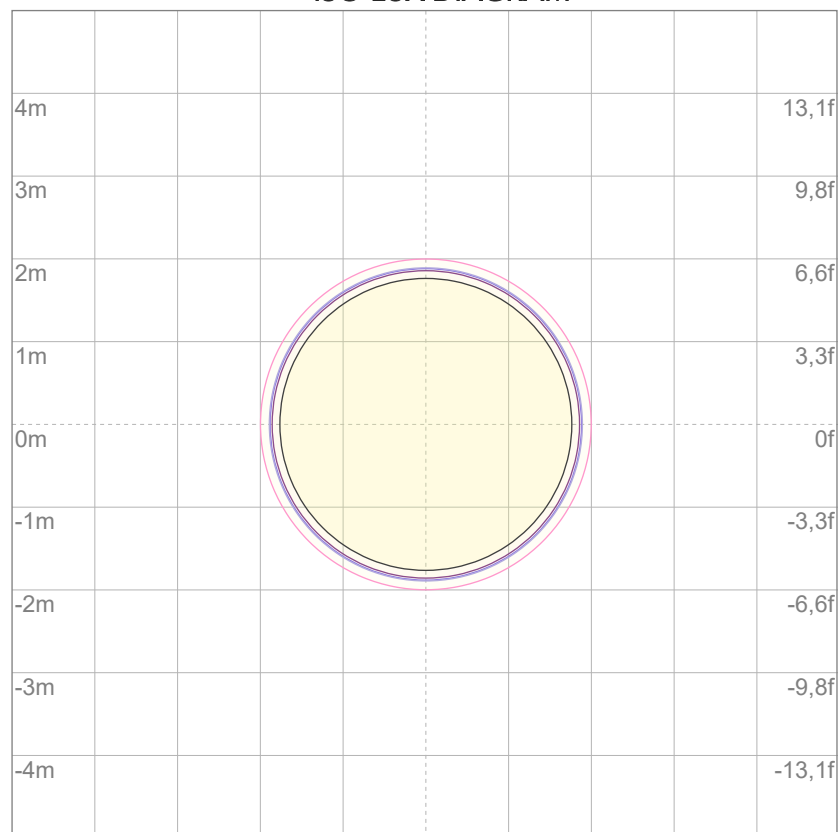
10%	706 cd
20%	1412 cd
30%	2118 cd
40%	2824 cd
50%	3530 cd
60%	4236 cd
70%	4942 cd
80%	5647 cd

Conditions:

Number of c-planes: 2

Candela at center: 7059 cd

ISO LUX DIAGRAM



3%	2,12 lx
5%	3,53 lx
10%	7,06 lx
30%	21,2 lx
50%	35,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 70,6 lx

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



Total lumen output:

598 lm

Peak candela output:

25532 cd

Light quality:

CRI: 82,1

Color temperature:

5625 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 1020 Lens - Min Zoom

Target:

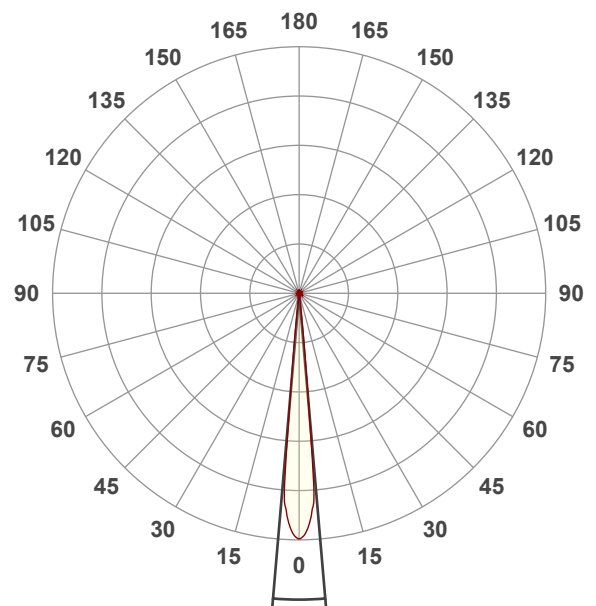
5600K

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 16:03:50

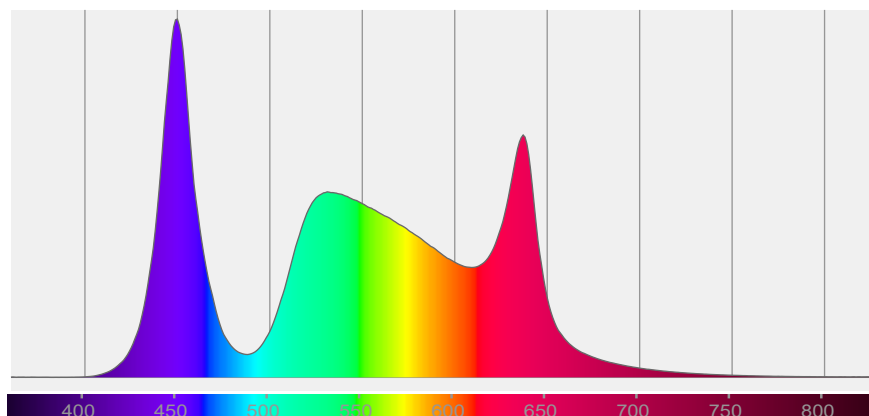


Beam angle 50%: 9,8°

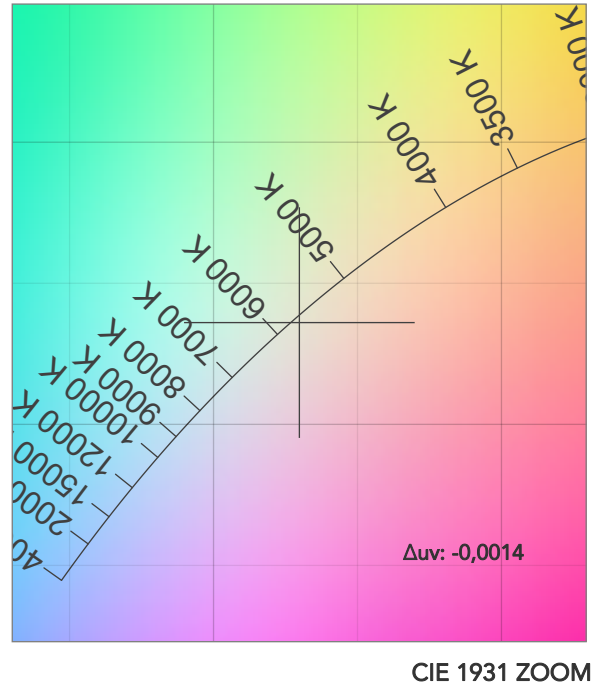
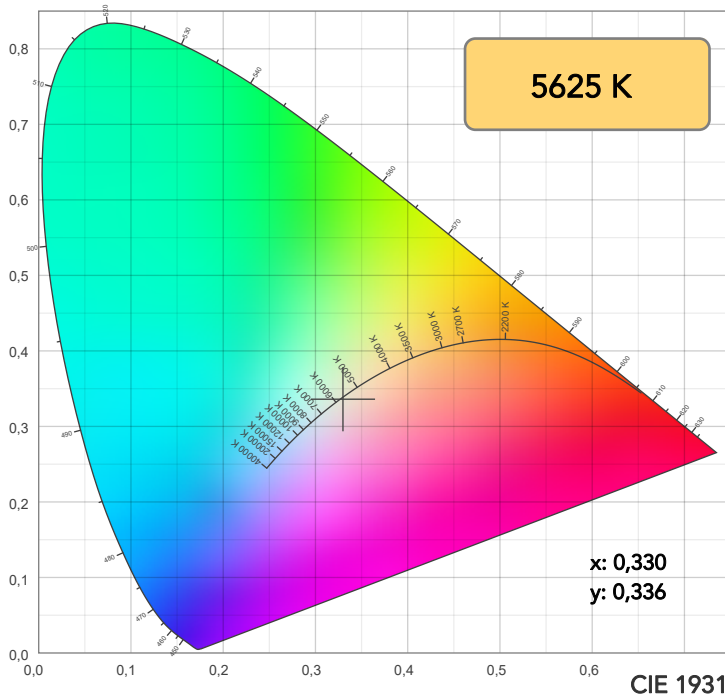
Field angle 10%: 12°

Cut off angle 2.5%: 12,6°

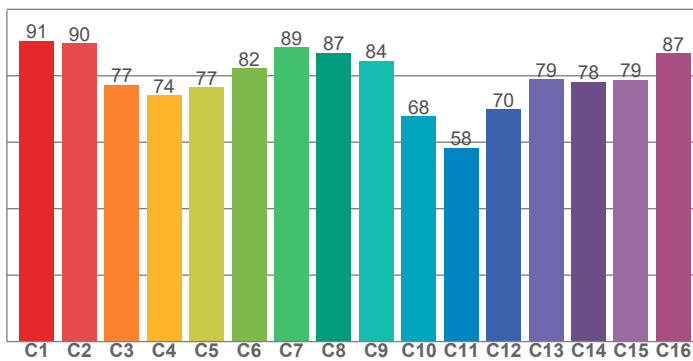
Spectra



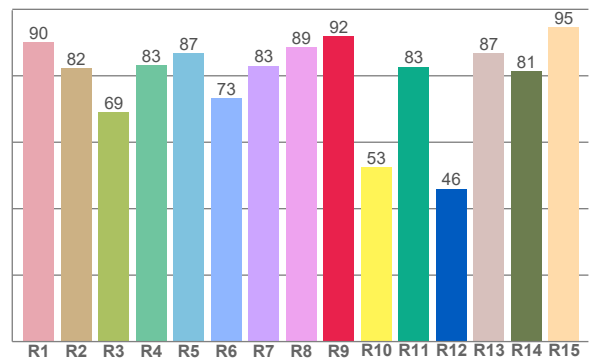
COLOR DETAILS



TM30: 79,0



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
90,2	82,3	69,0	83,3	86,8	73,4	83,0	88,6	92,0	52,6	82,7	46,0	86,9	81,4	94,6

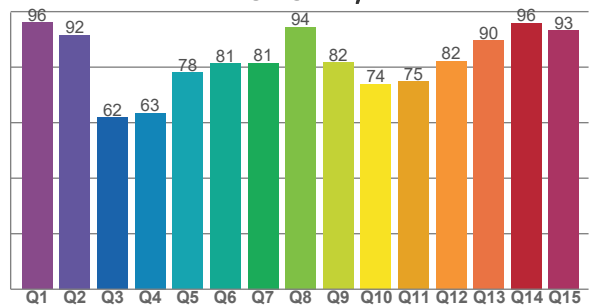
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,6	89,7	77,3	74,1	76,5	82,2	88,6	86,9	84,5	67,8	58,3	70,0	79,0	78,1	78,8	86,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,2	91,5	61,9	63,5	78,1	81,3	81,5	94,5	81,8	73,9	74,8	82,3	89,6	95,9	93,3

CQS: 79,7



COLOR PARAMETERS

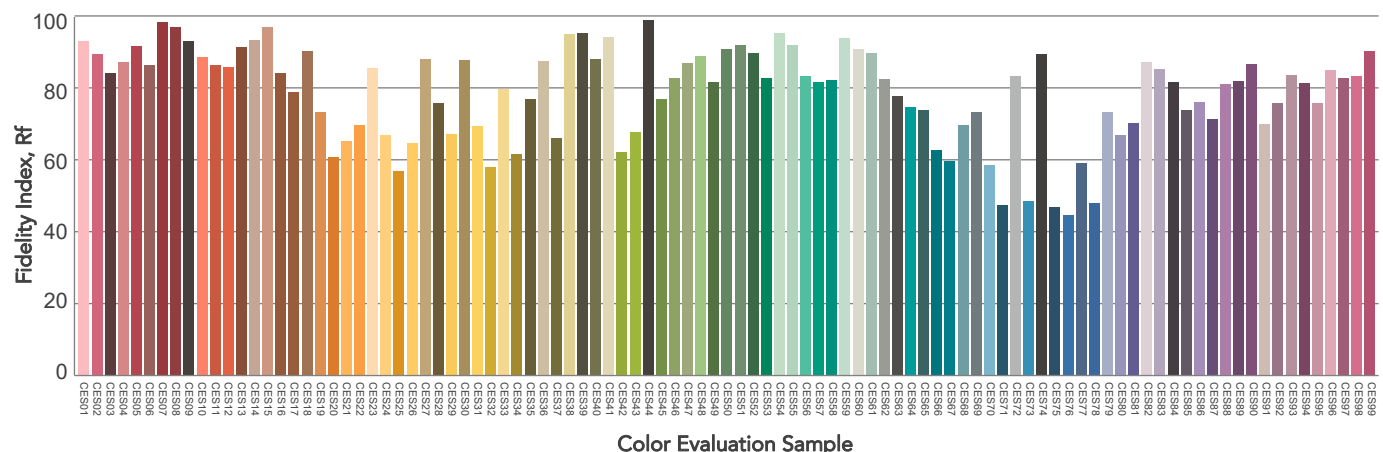
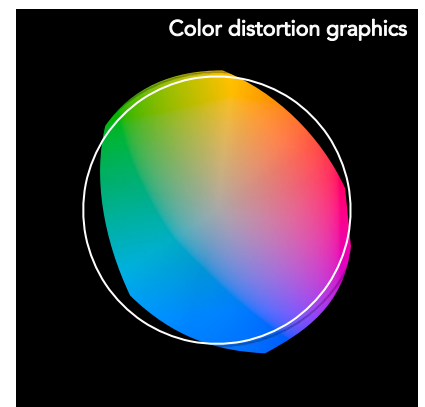
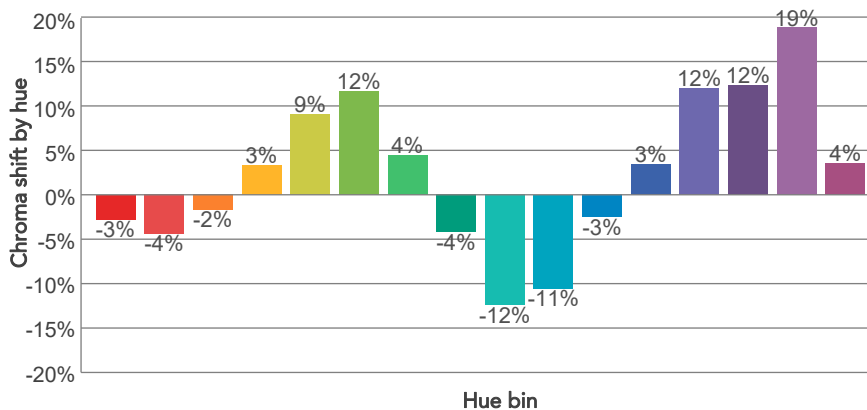
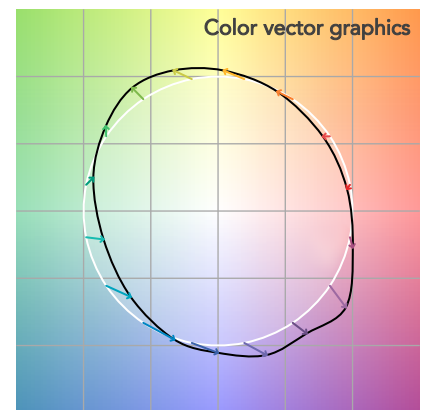
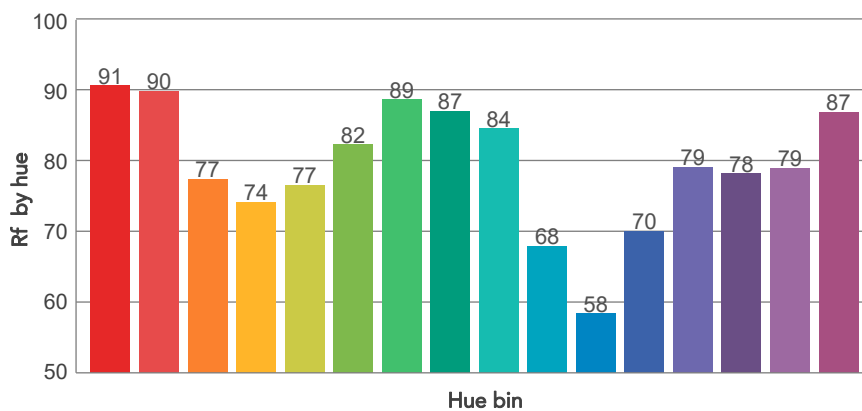
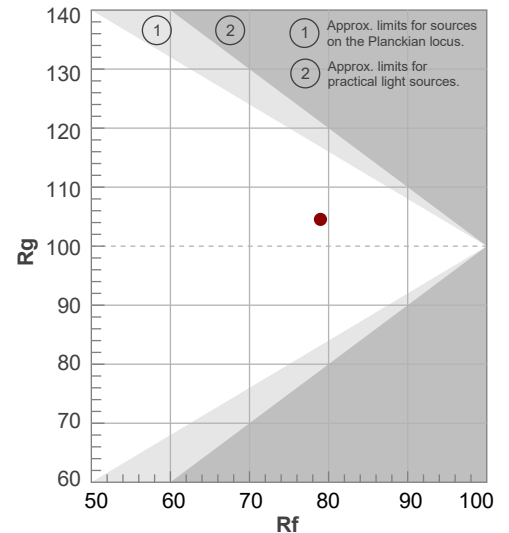
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5625 K	82,1	92,0	79,0	104,5	79,7	72	0,330	0,336	-0,0014

TM30 DETAILS

Rf 79,0
Fidelity index Rf

Rg 104,5
Gammut index

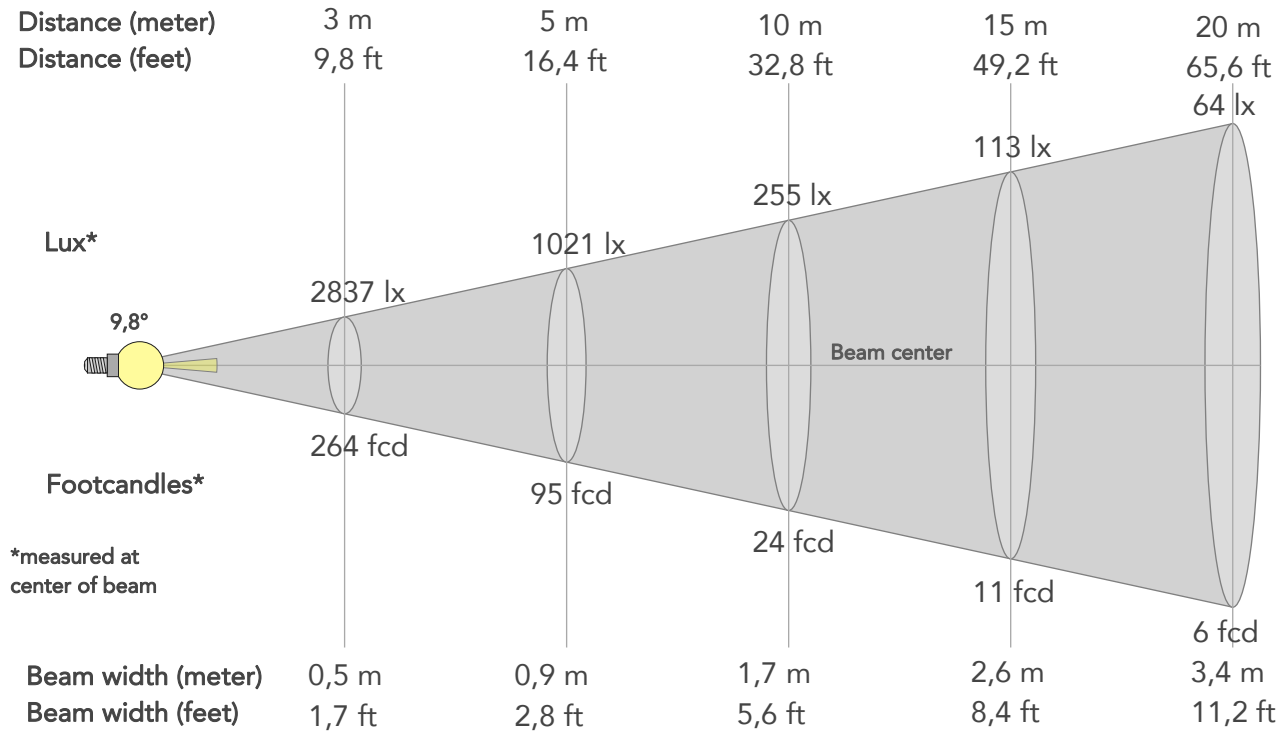
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-3%	-3%
2	90	-4%	3%
3	77	-2%	13%
4	74	3%	16%
5	77	9%	12%
6	82	12%	2%
7	89	4%	-6%
8	87	-4%	-6%
9	84	-12%	4%
10	68	-11%	17%
11	58	-3%	26%
12	70	3%	20%
13	79	12%	15%
14	78	12%	4%
15	79	19%	-7%
16	87	4%	-7%



BEAM DETAILS



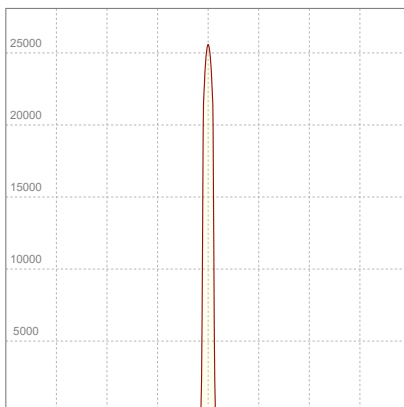
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,8°	12°	12,6°	97,6%	97,0%



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	25532lx	6383lx	2837lx	1596lx	1021lx	454lx	255lx	113lx	64lx	41lx	28lx	16lx	10lx
Footcand.	2372fcd	593fcd	264fcd	148fcd	95fcd	42fcd	24fcd	11fcd	6fcd	4fcd	3fcd	1fcd	1fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,4m	4,3m	5,1m	6,8m	8,6m
Beam wid.	0,6ft	1,1ft	1,7ft	2,2ft	2,8ft	4,2ft	5,6ft	8,4ft	11,2ft	14ft	16,8ft	22,5ft	28,1ft

LINEAR DISTRIBUTION DIAGRAM

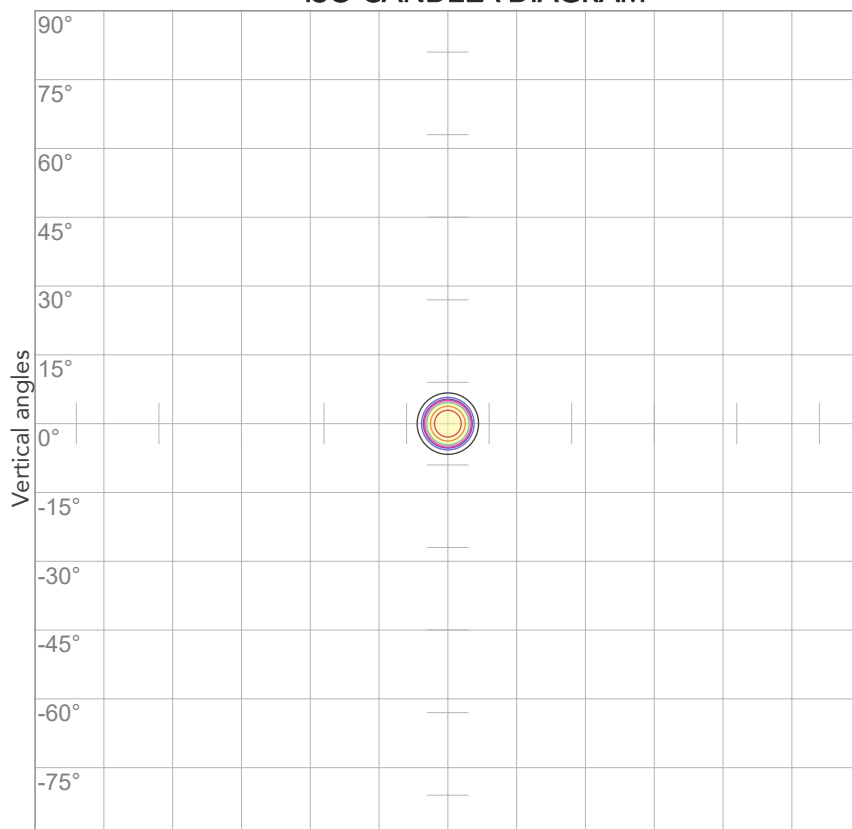


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,146A	28,5W	0,86	21lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



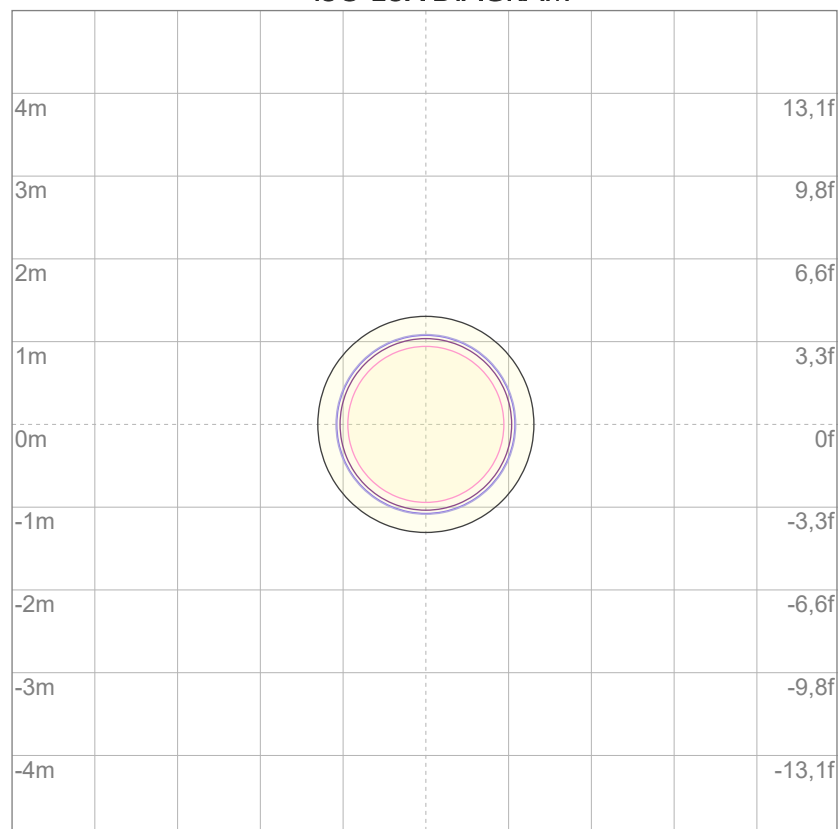
10%	2553 cd
20%	5106 cd
30%	7659 cd
40%	10213 cd
50%	12766 cd
60%	15319 cd
70%	17872 cd
80%	20425 cd

Conditions:

Number of c-planes: 2

Candela at center: 25532 cd

ISO LUX DIAGRAM



3%	7,66 lx
5%	12,8 lx
10%	25,5 lx
30%	76,6 lx
50%	128 lx

Conditions:

Number of c-planes: 2

Lux at center: 255 lx

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



Total lumen output:

577 lm

Peak candela output:

7098 cd

Light quality:

CRI: 82,2

Color temperature:

6082 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 1020 Lens - Max Zoom

Target:

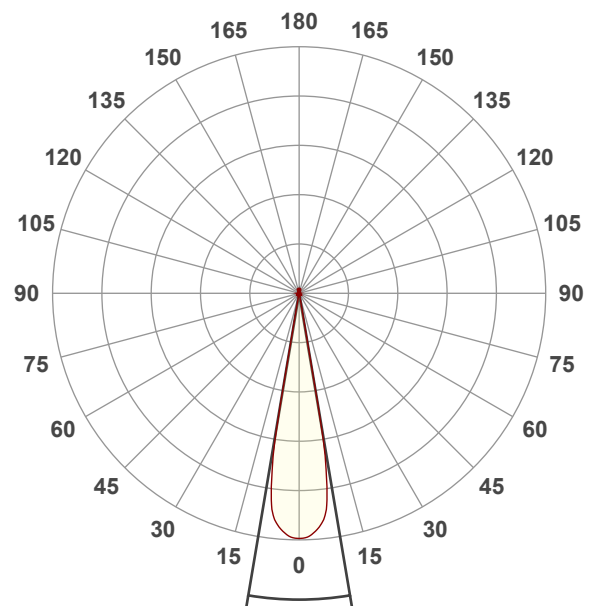
6000K

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 15:48:55

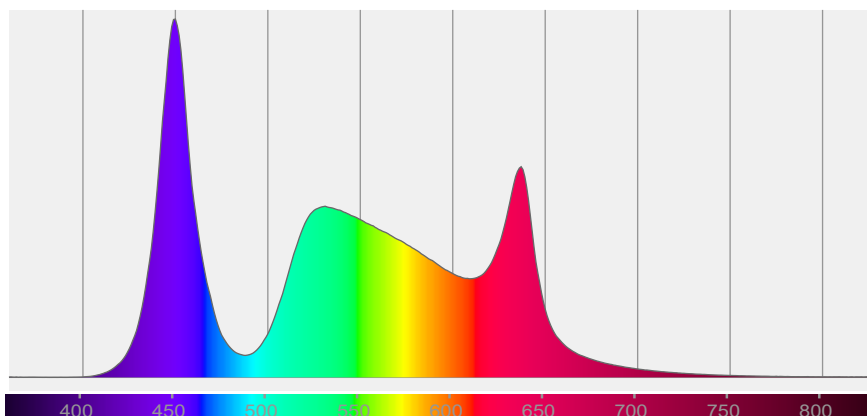


Beam angle 50%: 19,1°

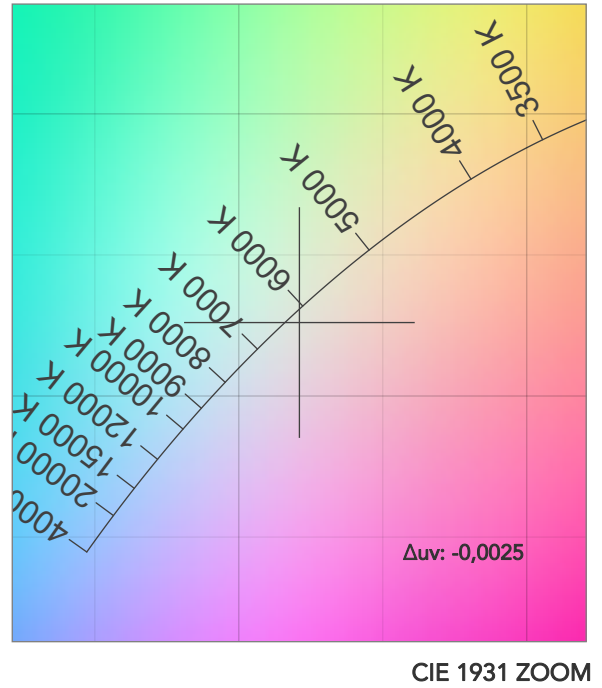
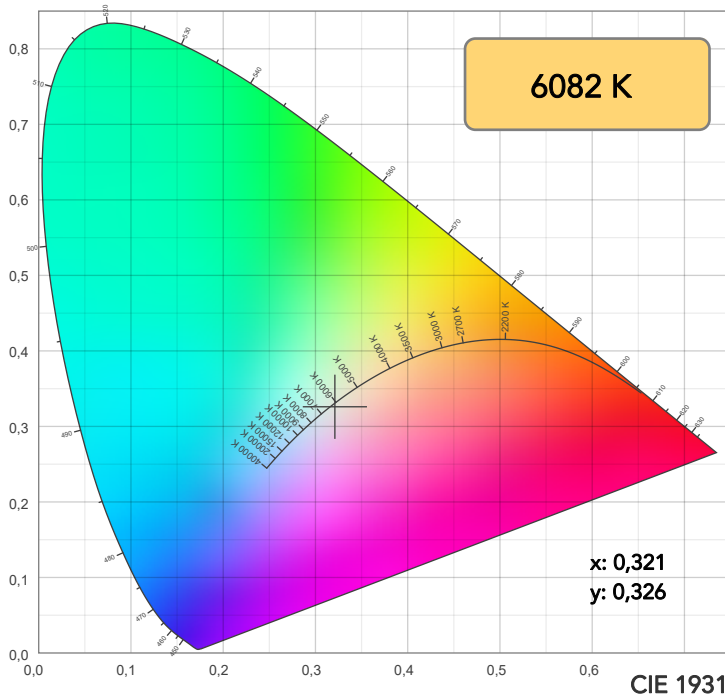
Field angle 10%: 20,6°

Cut off angle 2.5%: 21,7°

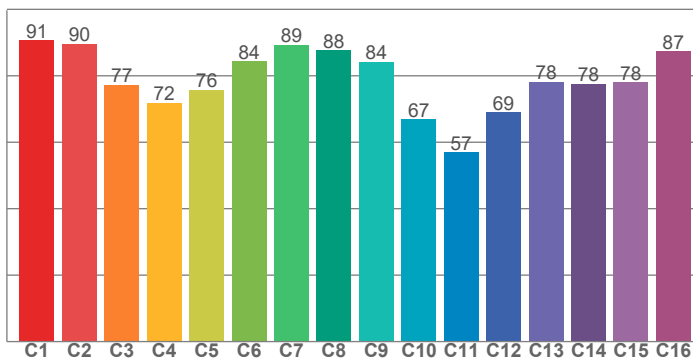
Spectra



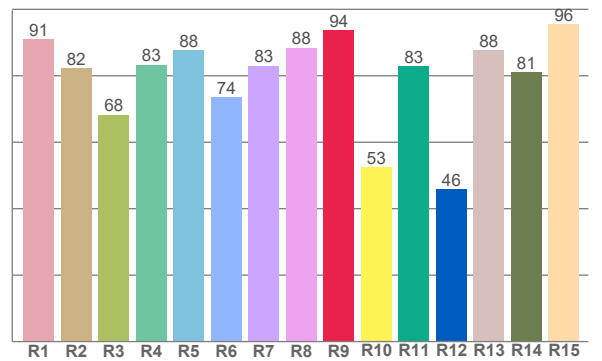
COLOR DETAILS



TM30: 78,8



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
91,1	82,4	68,3	83,3	87,7	73,5	83,0	88,4	93,7	52,5	83,0	45,9	87,6	81,0	95,6

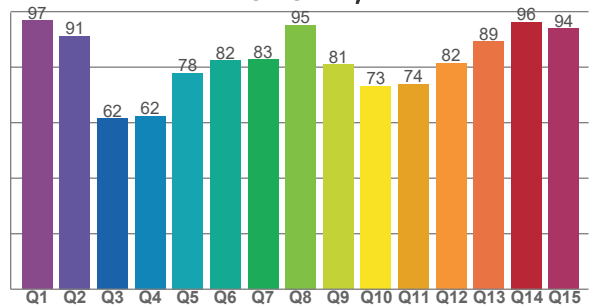
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,7	89,6	77,4	71,9	75,8	84,4	89,3	87,7	84,2	66,9	56,9	69,0	78,2	77,6	78,0	87,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,8	91,2	61,6	62,3	77,8	82,3	82,7	95,2	81,0	73,2	74,0	81,5	89,3	96,3	93,9

CQS: 79,4



COLOR PARAMETERS

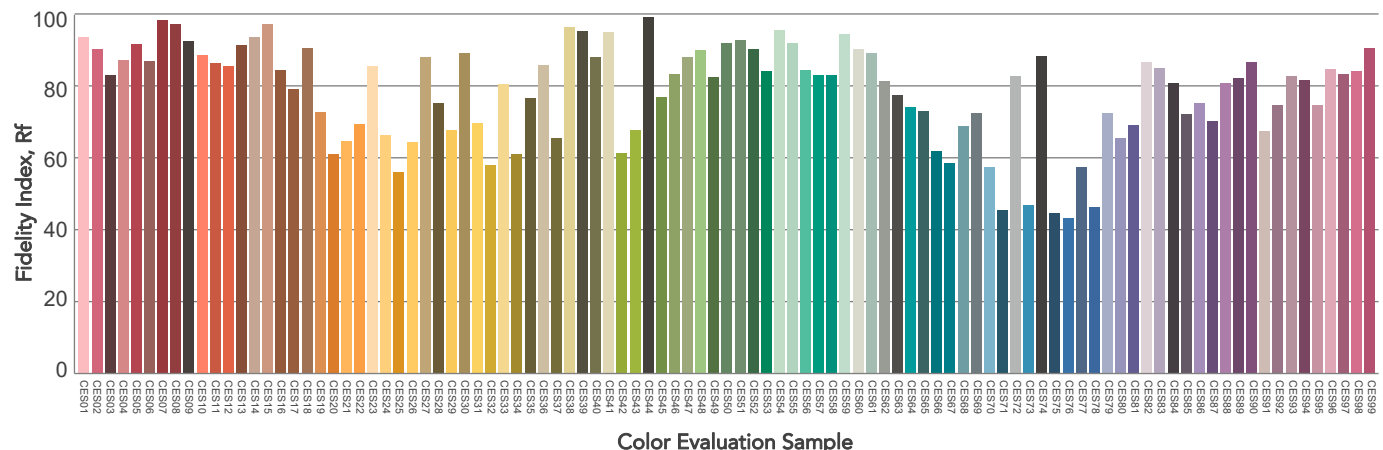
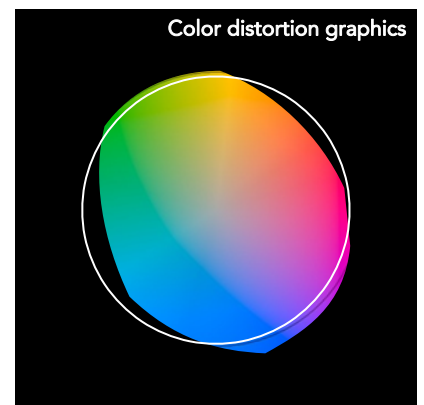
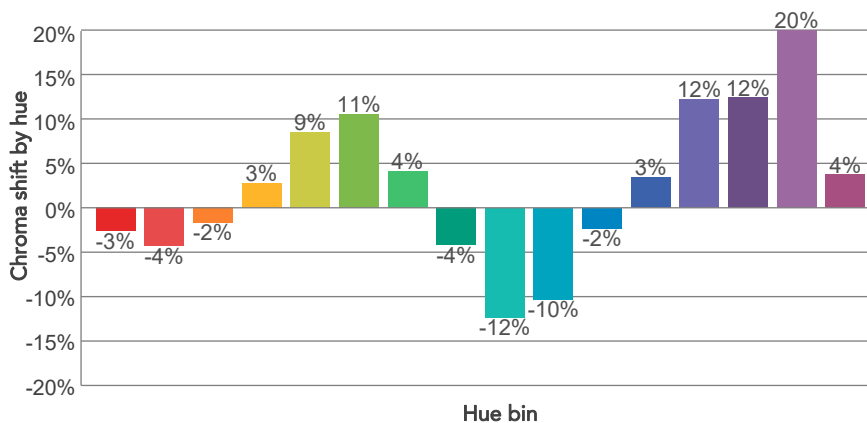
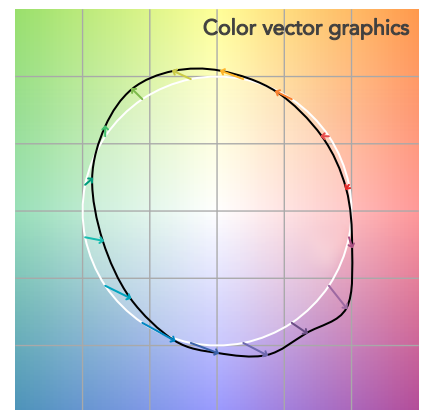
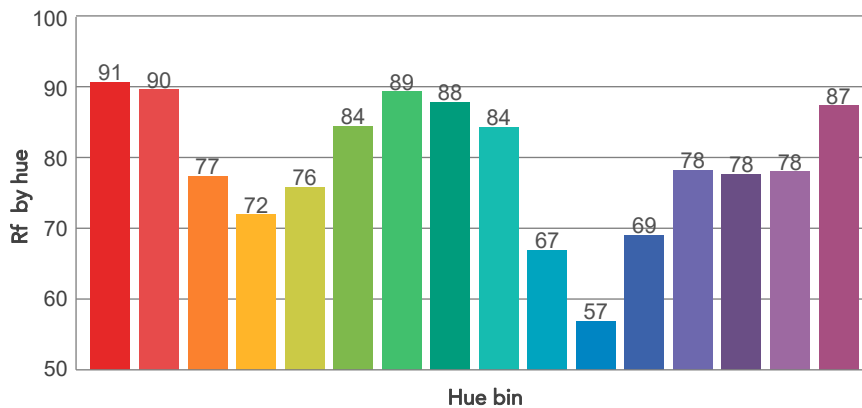
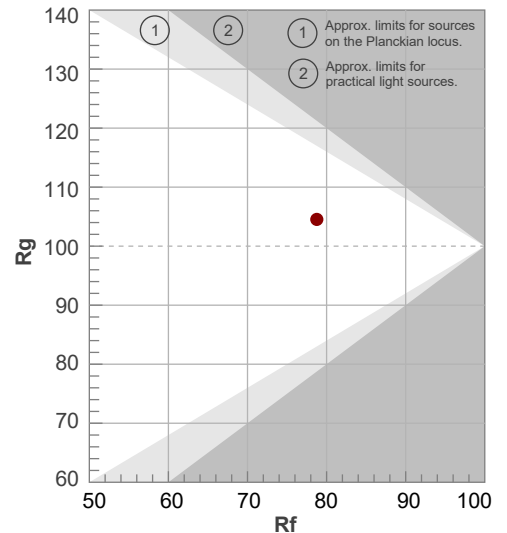
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6082 K	82,2	93,7	78,8	104,5	79,4	73	0,321	0,326	-0,0025

TM30 DETAILS

Rf 78,8
Fidelity index Rf

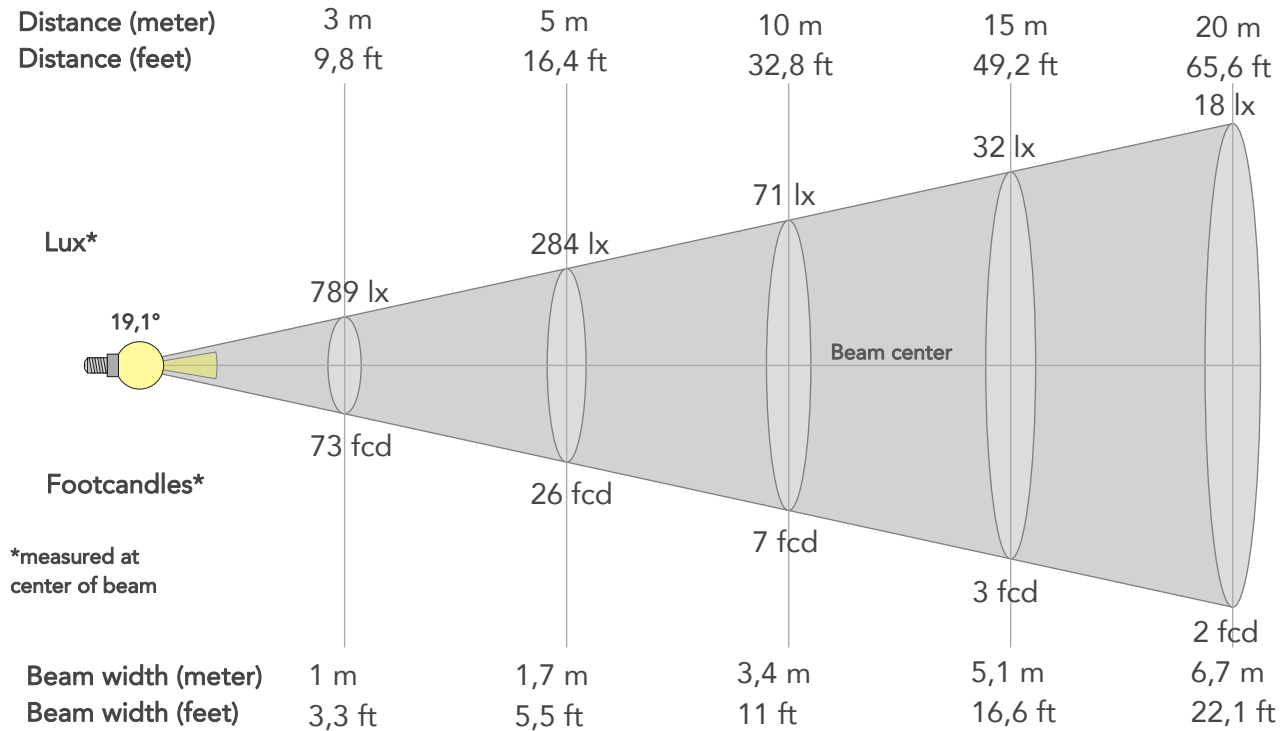
Rg 104,5
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-3%	-3%
2	90	-4%	3%
3	77	-2%	13%
4	72	3%	17%
5	76	9%	12%
6	84	11%	2%
7	89	4%	-6%
8	88	-4%	-5%
9	84	-12%	5%
10	67	-10%	18%
11	57	-2%	27%
12	69	3%	21%
13	78	12%	15%
14	78	12%	5%
15	78	20%	-7%
16	87	4%	-7%



BEAM DETAILS

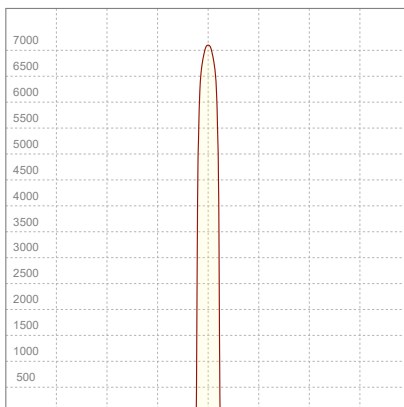
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
19,1°	20,6°	21,7°	98,5%	98,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	7098lx	1775lx	789lx	444lx	284lx	126lx	71lx	32lx	18lx	11lx	8lx	4lx	3lx
Footcand.	659fcd	165fcd	73fcd	41fcd	26fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,7m	2,5m	3,4m	5,1m	6,7m	8,4m	10,1m	13,5m	16,8m
Beam wid.	1,1ft	2,2ft	3,3ft	4,4ft	5,5ft	8,3ft	11ft	16,6ft	22,1ft	27,6ft	33,1ft	44,2ft	55,2ft

LINEAR DISTRIBUTION DIAGRAM

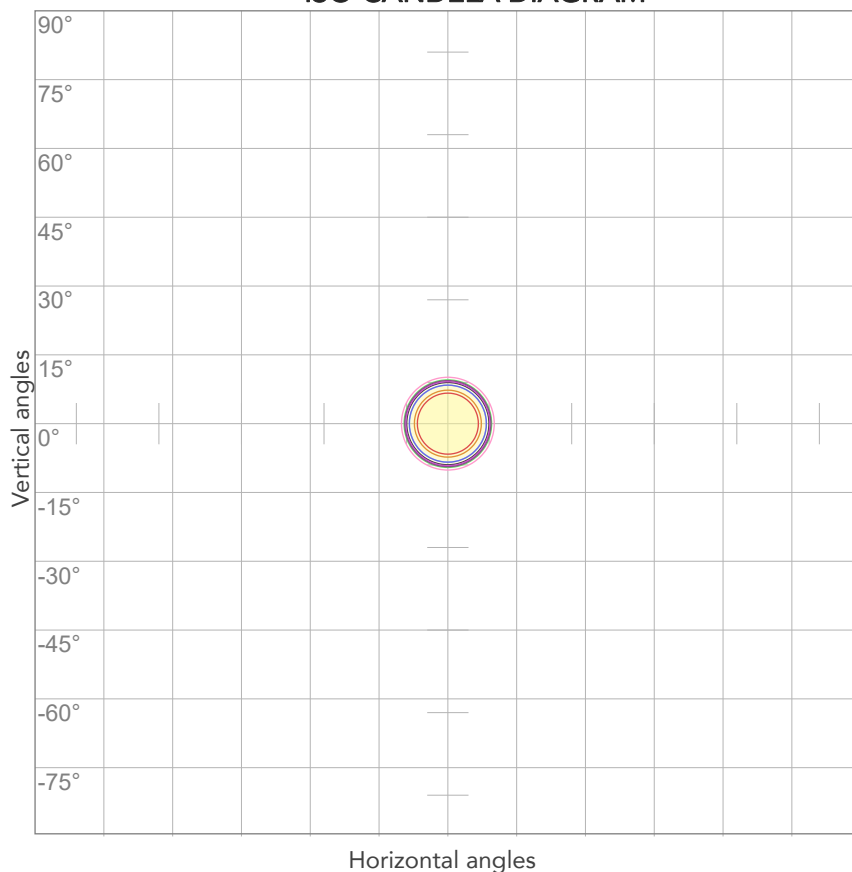


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,147A	29,1W	0,87	20lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



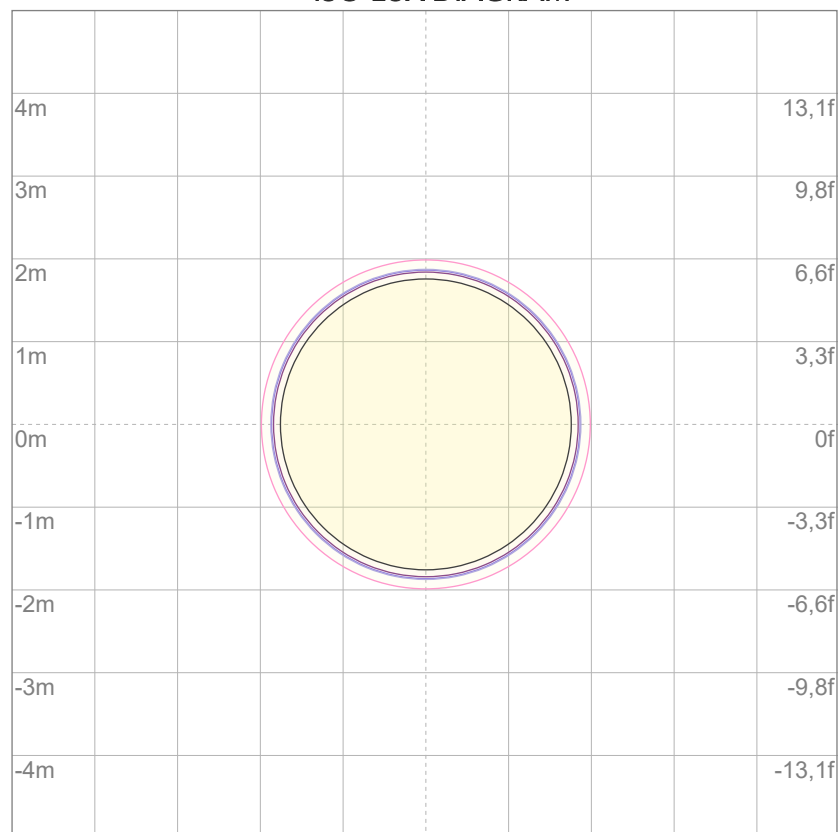
10%	710 cd
20%	1420 cd
30%	2129 cd
40%	2839 cd
50%	3549 cd
60%	4259 cd
70%	4969 cd
80%	5679 cd

Conditions:

Number of c-planes: 2

Candela at center: 7098 cd

ISO LUX DIAGRAM



3%	2,13 lx
5%	3,55 lx
10%	7,10 lx
30%	21,3 lx
50%	35,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 71,0 lx

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



Total lumen output:

605 lm

Peak candela output:

25877 cd

Light quality:

CRI: 82,1

Color temperature:

6032 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 1020 Lens - Min Zoom

Target:

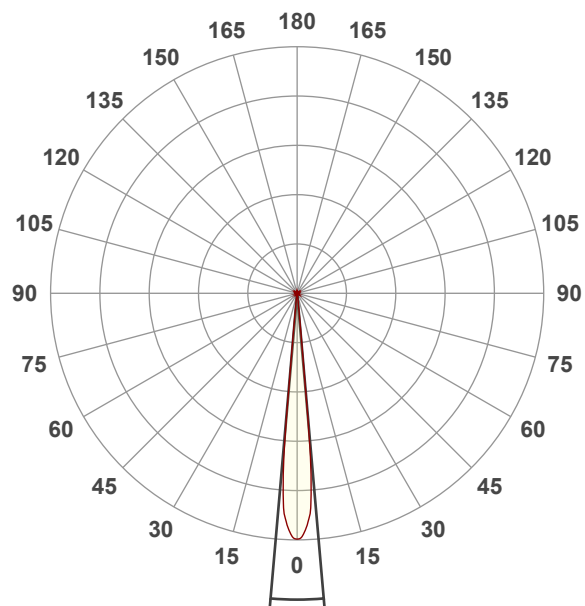
6000K

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 15:59:43

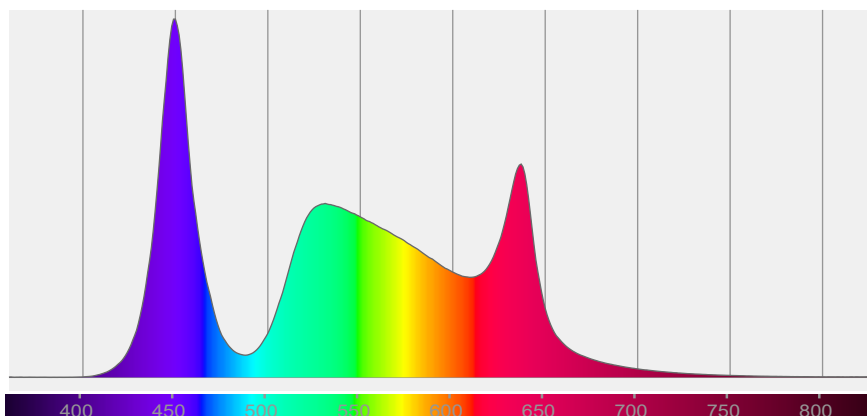


Beam angle 50%: 10°

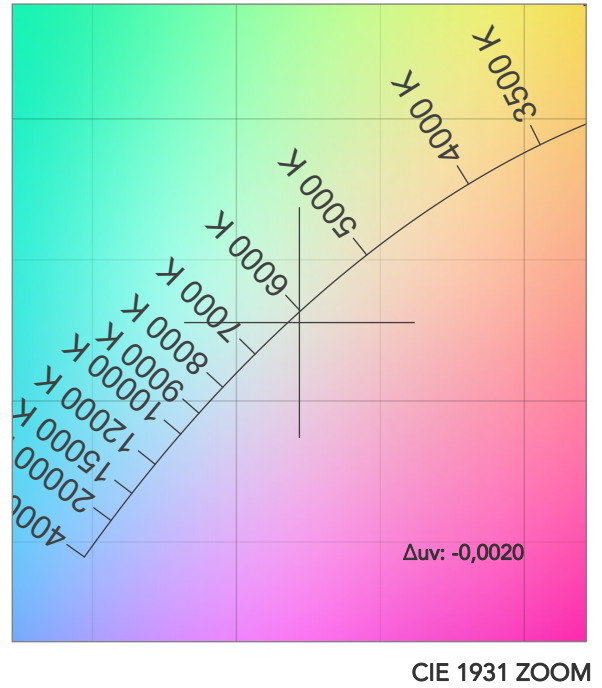
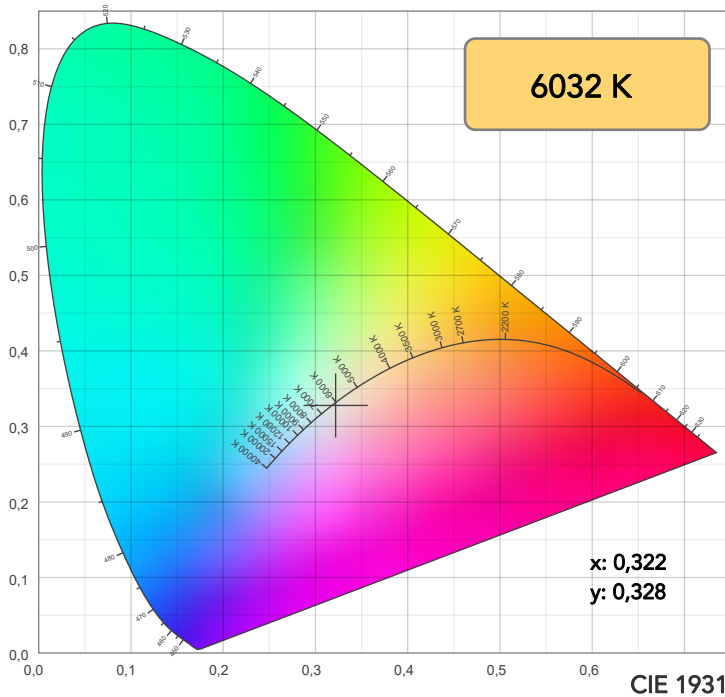
Field angle 10%: 11,7°

Cut off angle 2.5%: 13,1°

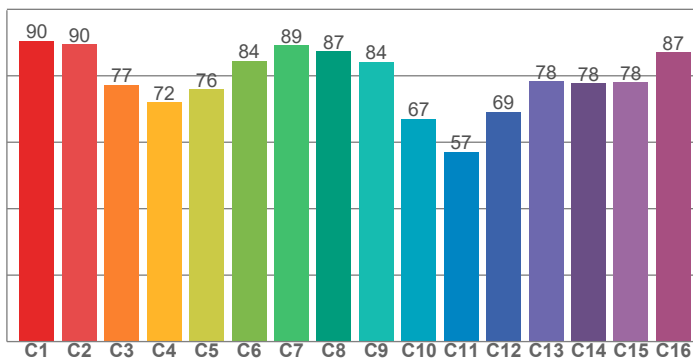
Spectra



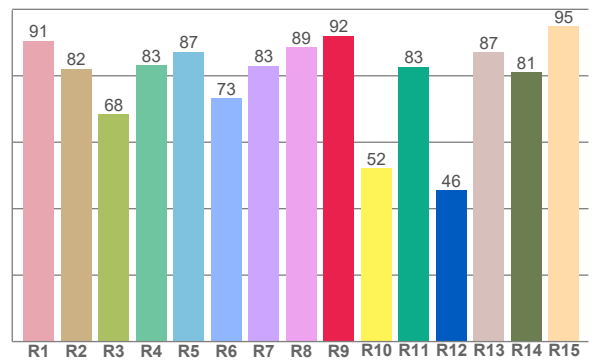
COLOR DETAILS



TM30: 78,8



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
90,6	82,2	68,4	83,2	87,2	73,3	83,0	88,5	92,1	52,1	82,8	45,6	87,2	81,1	95,0

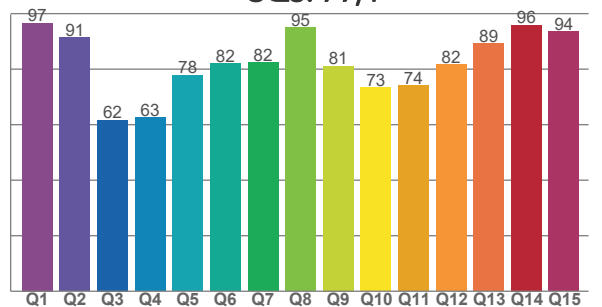
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,5	89,5	77,3	72,0	75,9	84,5	89,2	87,4	84,2	67,0	57,1	69,2	78,4	77,8	78,1	87,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,6	91,3	61,7	62,5	77,8	82,0	82,5	95,0	81,2	73,4	74,1	81,7	89,3	95,9	93,6

CQS: 79,4



COLOR PARAMETERS

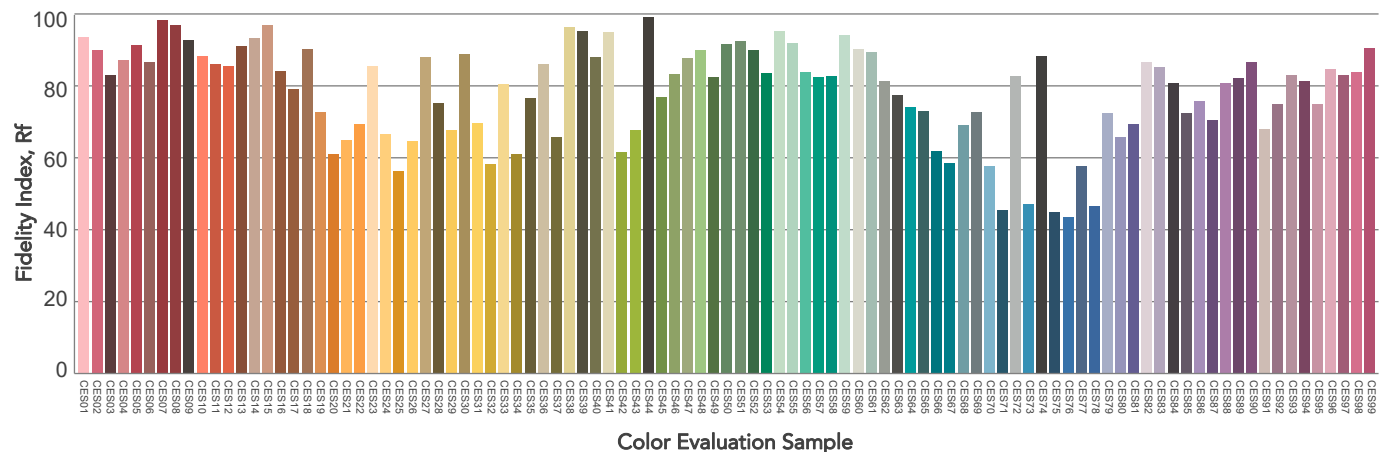
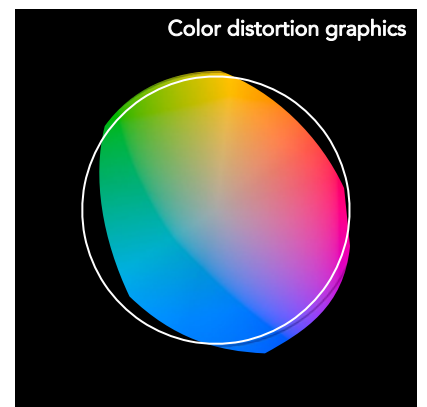
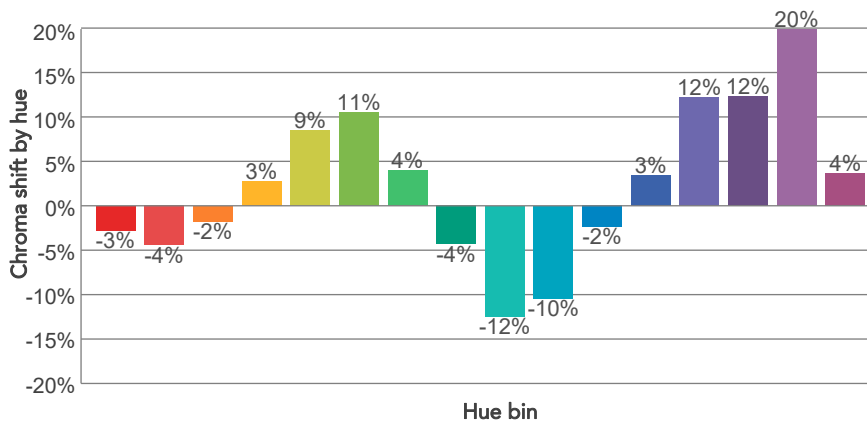
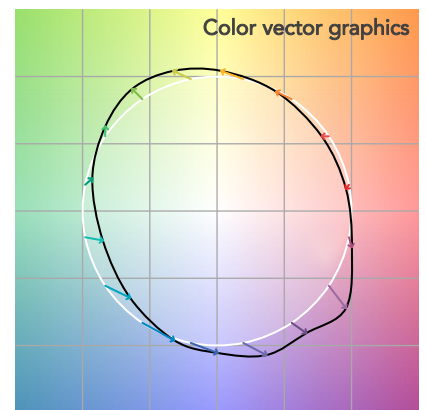
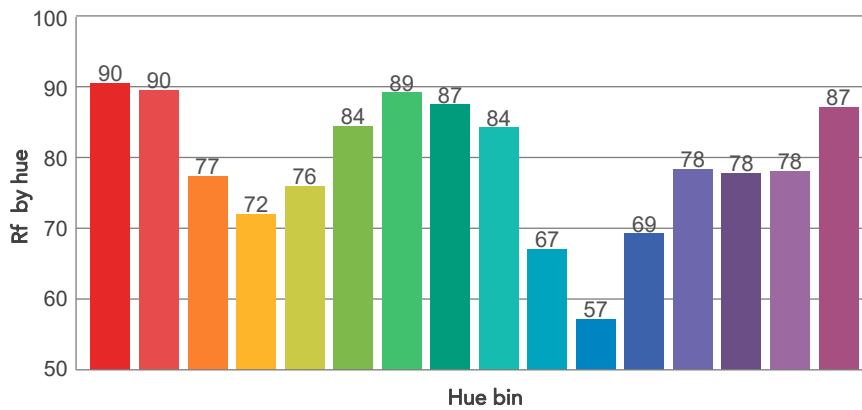
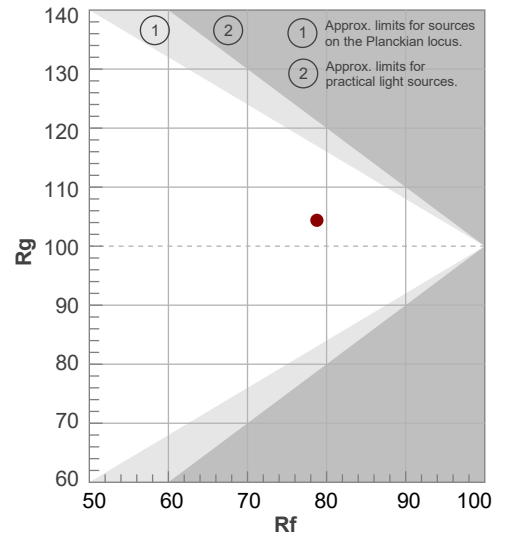
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6032 K	82,1	92,1	78,8	104,4	79,4	73	0,322	0,328	-0,0020

TM30 DETAILS

Rf 78,8
Fidelity index Rf

Rg 104,4
Gammut index

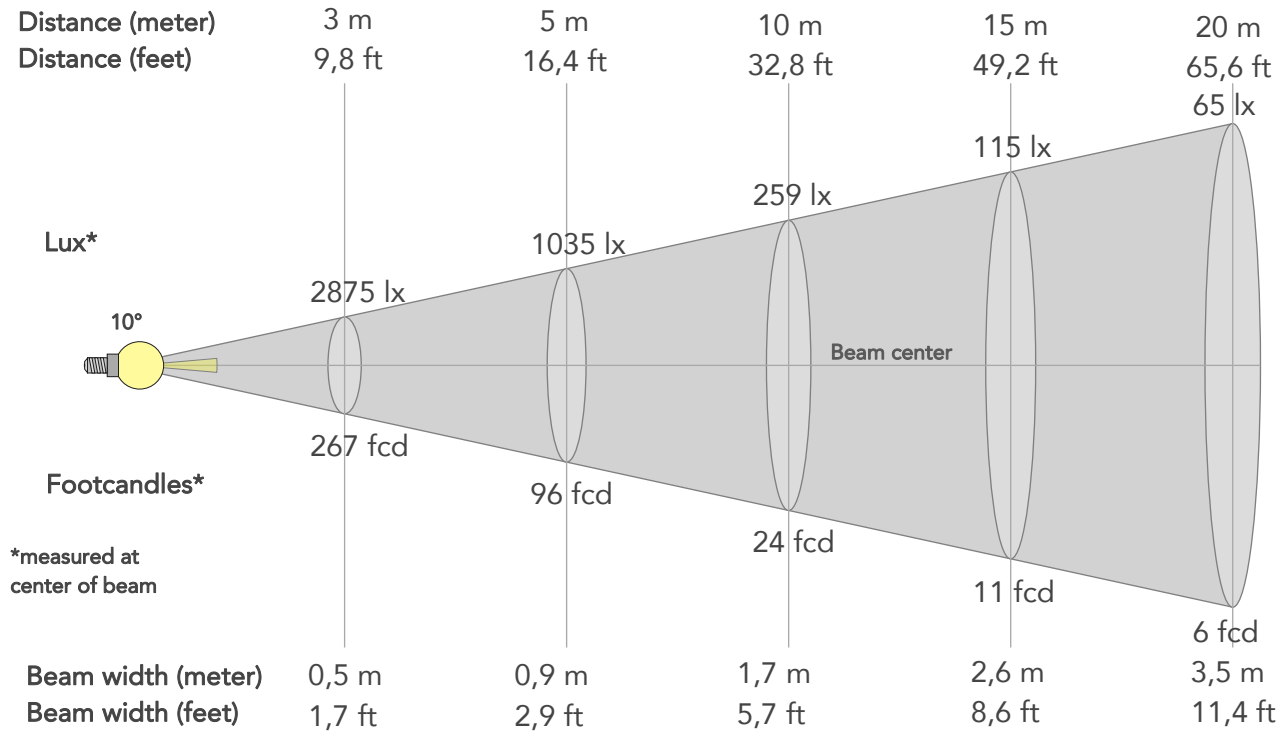
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	90	-3%	-3%
2	90	-4%	3%
3	77	-2%	13%
4	72	3%	17%
5	76	9%	12%
6	84	11%	2%
7	89	4%	-6%
8	87	-4%	-6%
9	84	-12%	5%
10	67	-10%	18%
11	57	-2%	27%
12	69	3%	21%
13	78	12%	15%
14	78	12%	5%
15	78	20%	-7%
16	87	4%	-7%



BEAM DETAILS



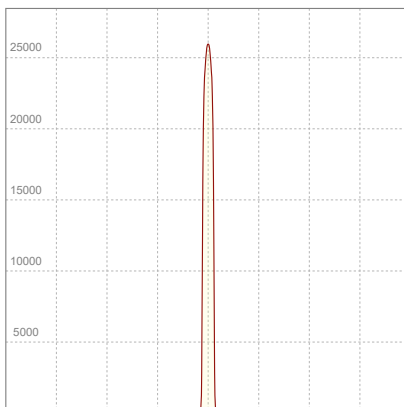
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10°	11,7°	13,1°	98,5%	97,8%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	25877lx	6469lx	2875lx	1617lx	1035lx	460lx	259lx	115lx	65lx	41lx	29lx	16lx	10lx
Footcand.	2404fcd	601fcd	267fcd	150fcd	96fcd	43fcd	24fcd	11fcd	6fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,5m	4,4m	5,2m	7m	8,7m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,3ft	5,7ft	8,6ft	11,4ft	14,3ft	17,1ft	22,9ft	28,6ft

LINEAR DISTRIBUTION DIAGRAM

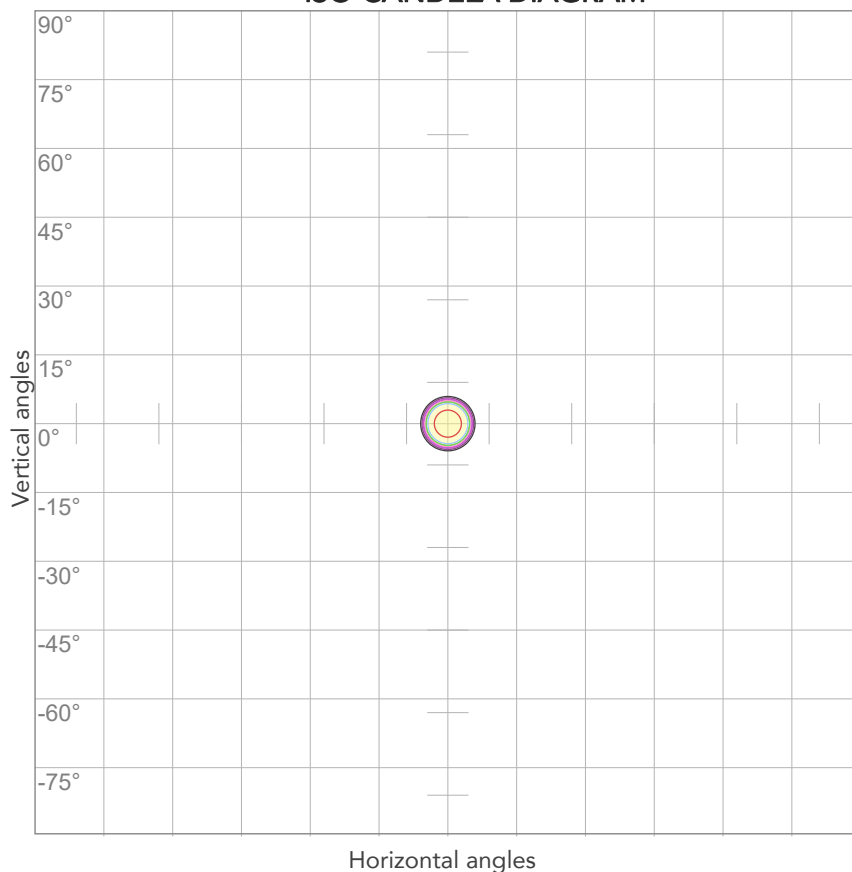


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
229V	0,146A	28,8W	0,86	21lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



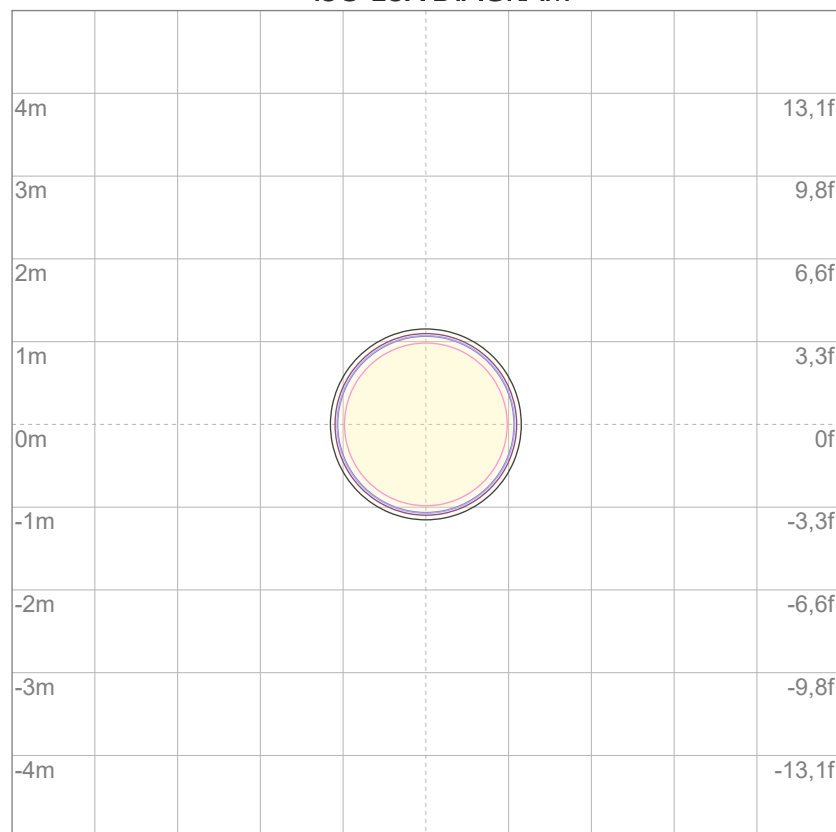
10%	2588 cd
20%	5175 cd
30%	7763 cd
40%	10351 cd
50%	12939 cd
60%	15526 cd
70%	18114 cd
80%	20702 cd

Conditions:

Number of c-planes: 2

Candela at center: 25877 cd

ISO LUX DIAGRAM



3%	7,76 lx
5%	12,9 lx
10%	25,9 lx
30%	77,6 lx
50%	129 lx

Conditions:

Number of c-planes: 2

Lux at center: 259 lx

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