

Photometric Test Report



EclDisplay XBFC

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

ZOOMABLE PROFILE LENS 20-40°

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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:

740 lm

Peak candela output:

2219 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 Lens - Max Zoom

Target:

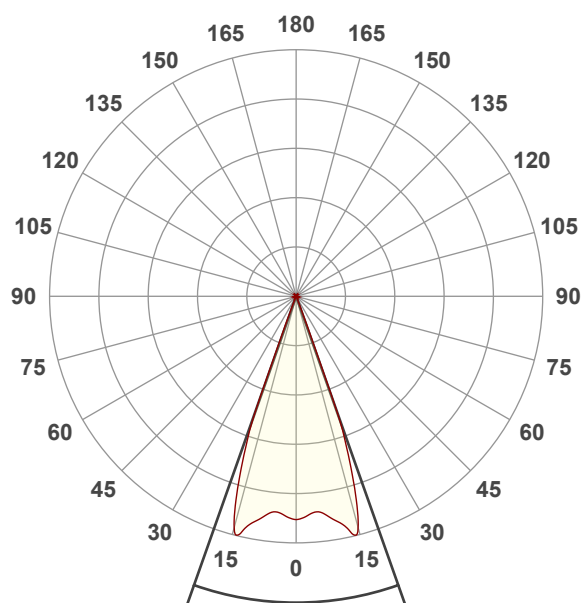
Full On

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 16:00:53

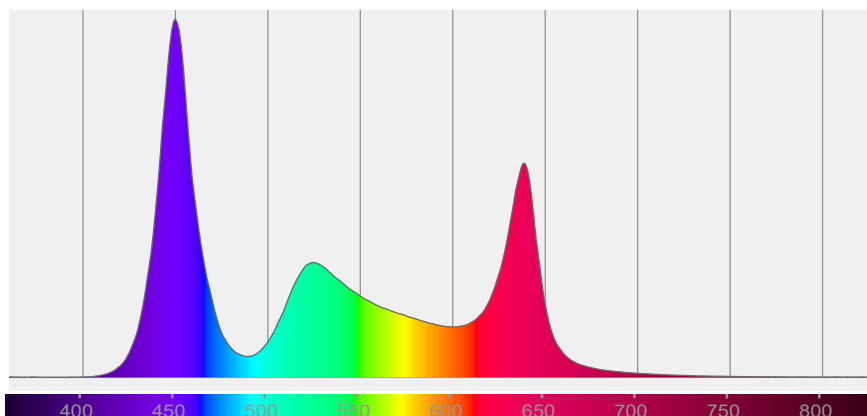


Beam angle 50%: 38,9°

Field angle 10%: 41,4°

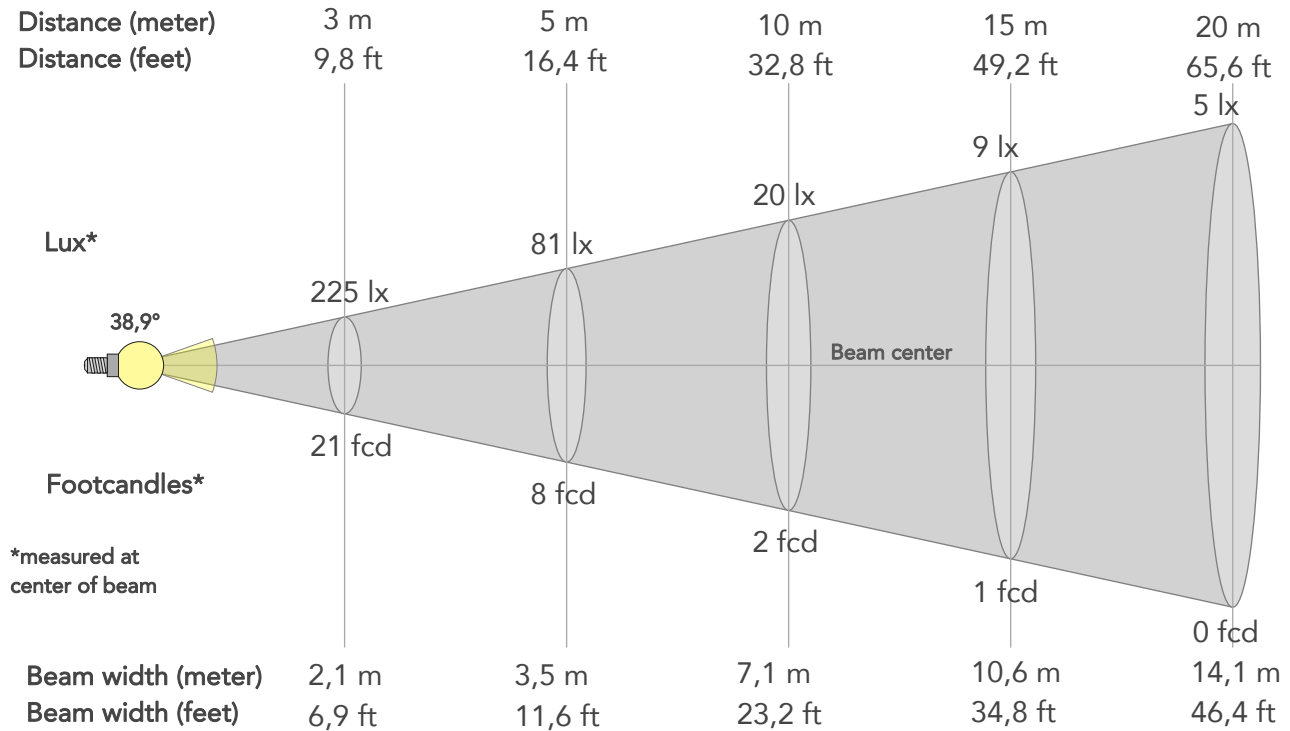
Cut off angle 2.5%: 42,6°

Spectra



BEAM DETAILS

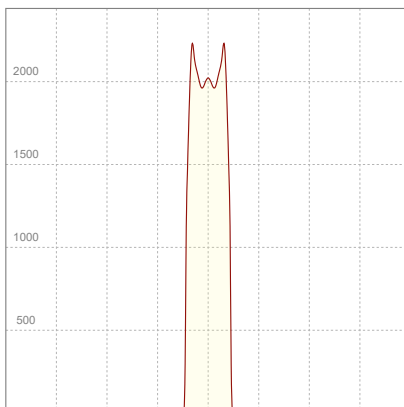
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38,9°	41,4°	42,6°	98,3%	98,1%



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	2021lx	505lx	225lx	126lx	81lx	36lx	20lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	188fcd	47fcd	21fcd	12fcd	8fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,4m	2,1m	2,8m	3,5m	5,3m	7,1m	10,6m	14,1m	17,7m	21,2m	28,3m	35,4m
Beam wid.	2,3ft	4,7ft	6,9ft	9,3ft	11,6ft	17,4ft	23,2ft	34,8ft	46,4ft	58ft	69,6ft	92,8ft	116ft

LINEAR DISTRIBUTION DIAGRAM

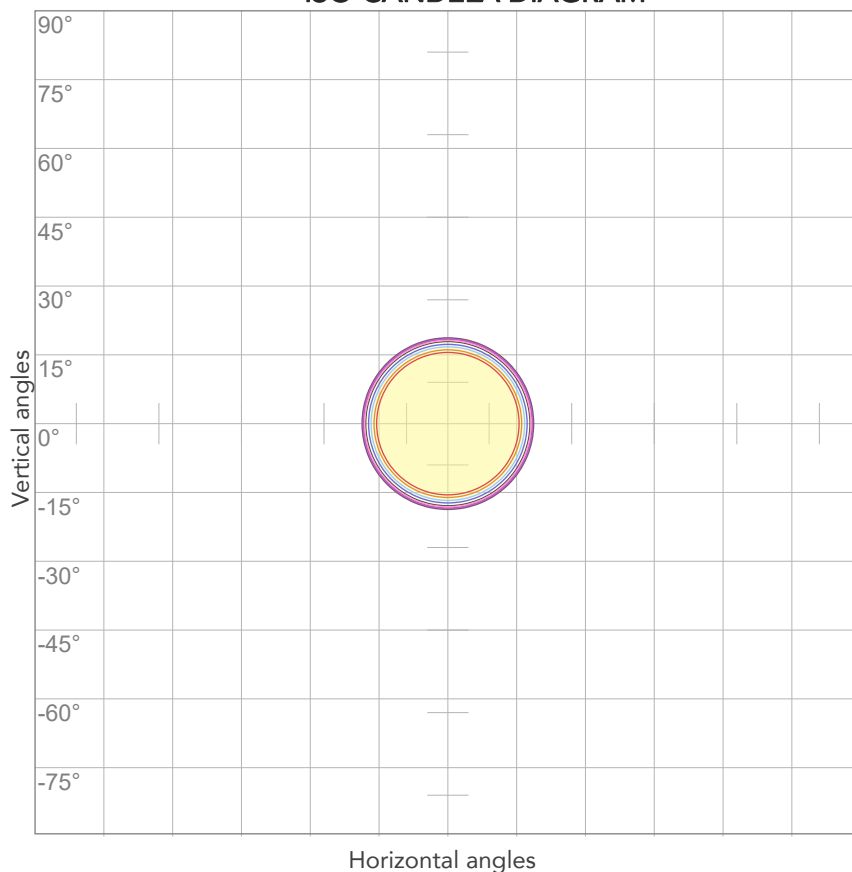


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
229V	0,213A	45,3W	0,93	16lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



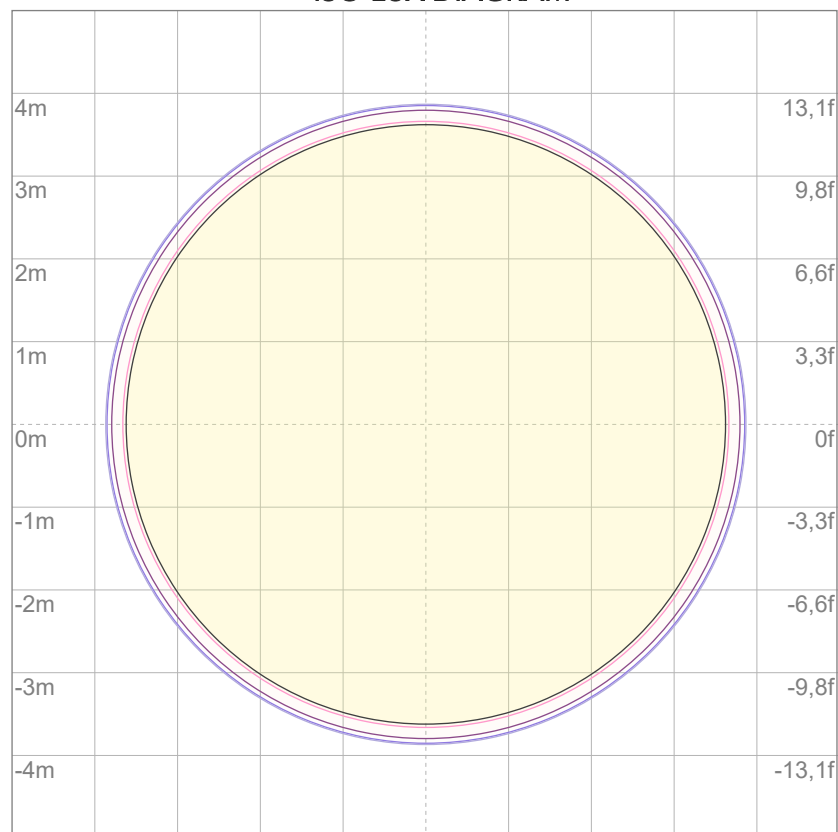
10%	202 cd
20%	404 cd
30%	606 cd
40%	808 cd
50%	1010 cd
60%	1213 cd
70%	1415 cd
80%	1617 cd

Conditions:

Number of c-planes: 2

Candela at center: 2021 cd

ISO LUX DIAGRAM



3%	0,606 lx
5%	1,01 lx
10%	2,02 lx
30%	6,06 lx
50%	10,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 20,2 lx

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



Total lumen output:

860 lm

Peak candela output:

11003 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 Lens - Min Zoom

Target:

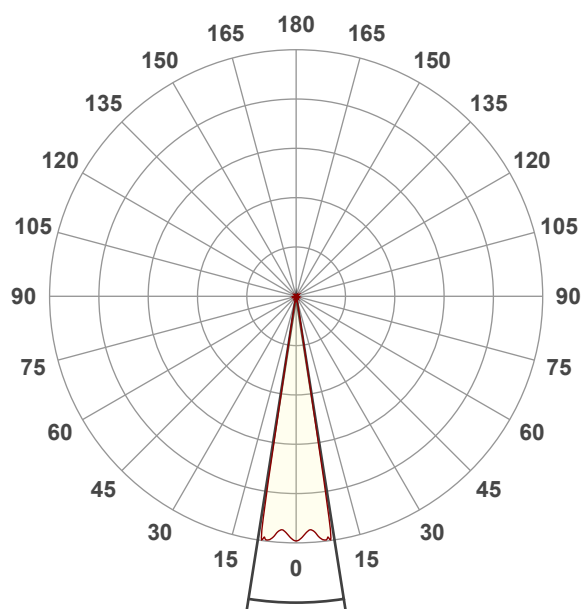
Full on

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 17:28:36

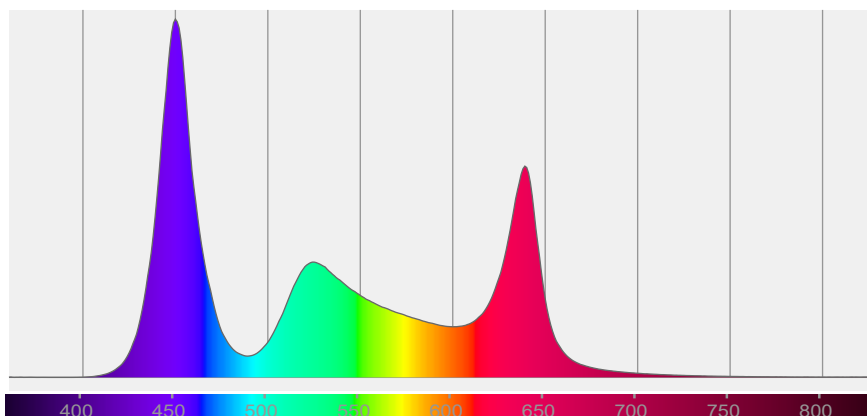


Beam angle 50%: 17,9°

Field angle 10%: 19,1°

Cut off angle 2.5%: 20,4°

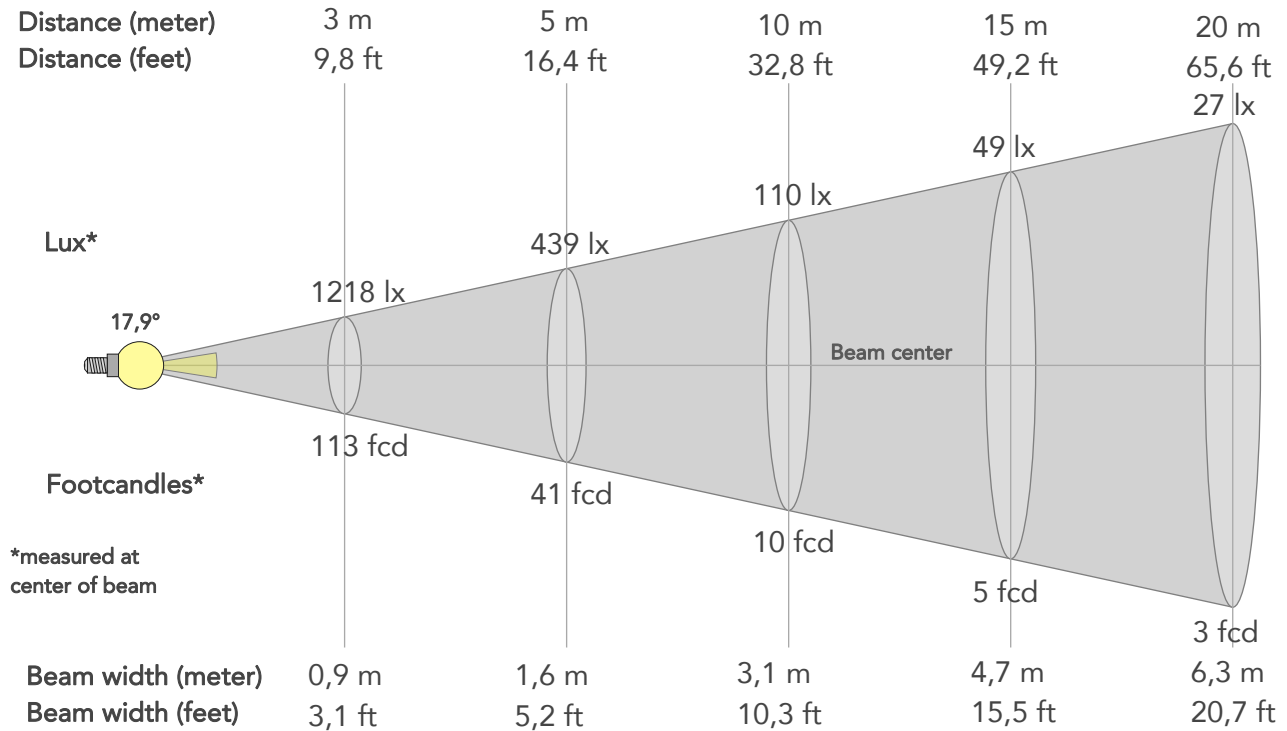
Spectra



BEAM DETAILS



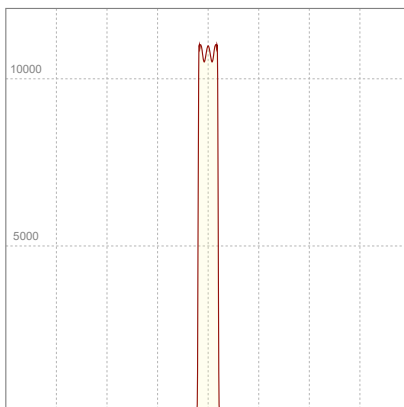
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,9°	19,1°	20,4°	98,4%	97,8%



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	10966lx	2742lx	1218lx	685lx	439lx	195lx	110lx	49lx	27lx	18lx	12lx	7lx	4lx
Footcand.	1019fcd	255fcd	113fcd	64fcd	41fcd	18fcd	10fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,3m	1,6m	2,4m	3,1m	4,7m	6,3m	7,9m	9,4m	12,6m	15,7m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,2ft	7,7ft	10,3ft	15,5ft	20,7ft	25,8ft	31ft	41,3ft	51,6ft

LINEAR DISTRIBUTION DIAGRAM

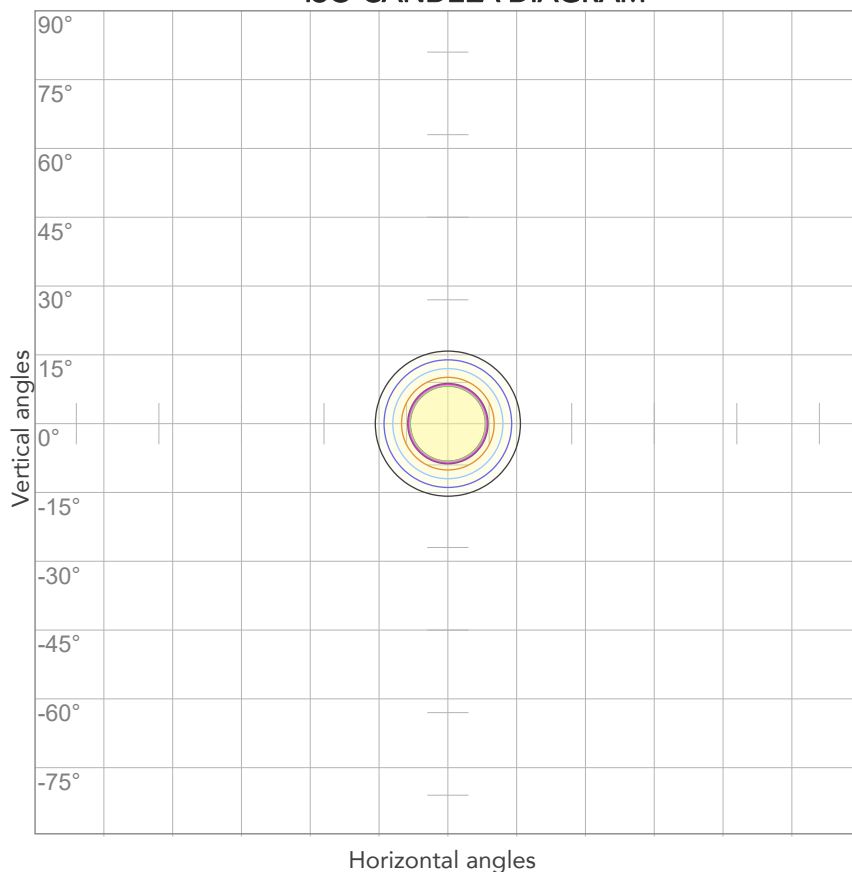


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,215A	44,8W	0,93	19lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



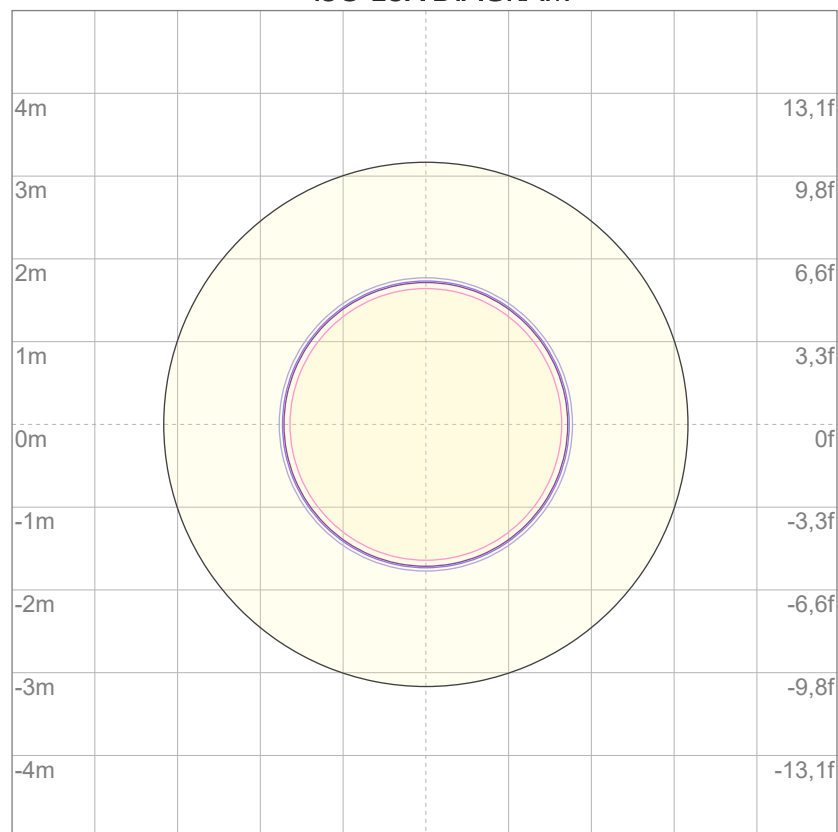
10%	1097 cd
20%	2193 cd
30%	3290 cd
40%	4386 cd
50%	5483 cd
60%	6580 cd
70%	7676 cd
80%	8773 cd

Conditions:

Number of c-planes: 2

Candela at center: 10966 cd

ISO LUX DIAGRAM



3%	3,29 lx
5%	5,48 lx
10%	11,0 lx
30%	32,9 lx
50%	54,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 110 lx

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



Total lumen output:

110 lm

Peak candela output:

323 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 Lens - Max Zoom

Target:

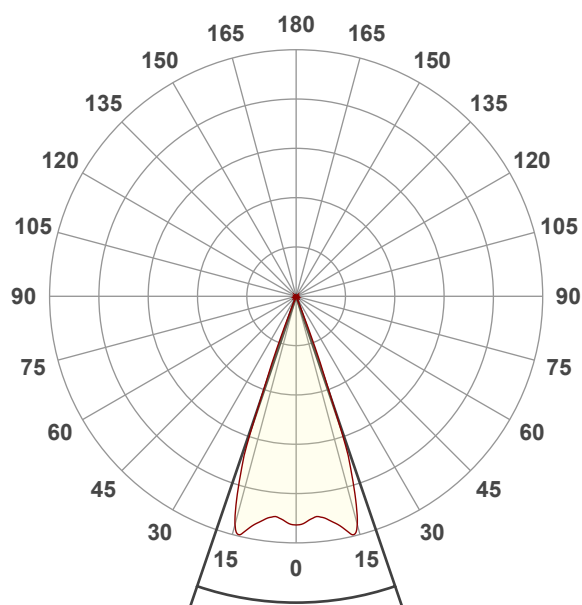
Red

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 16:03:25

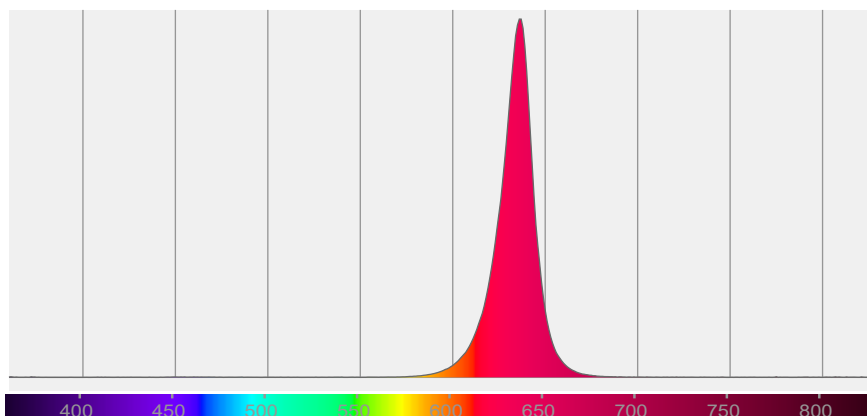


Beam angle 50%: 37,7°

Field angle 10%: 42,2°

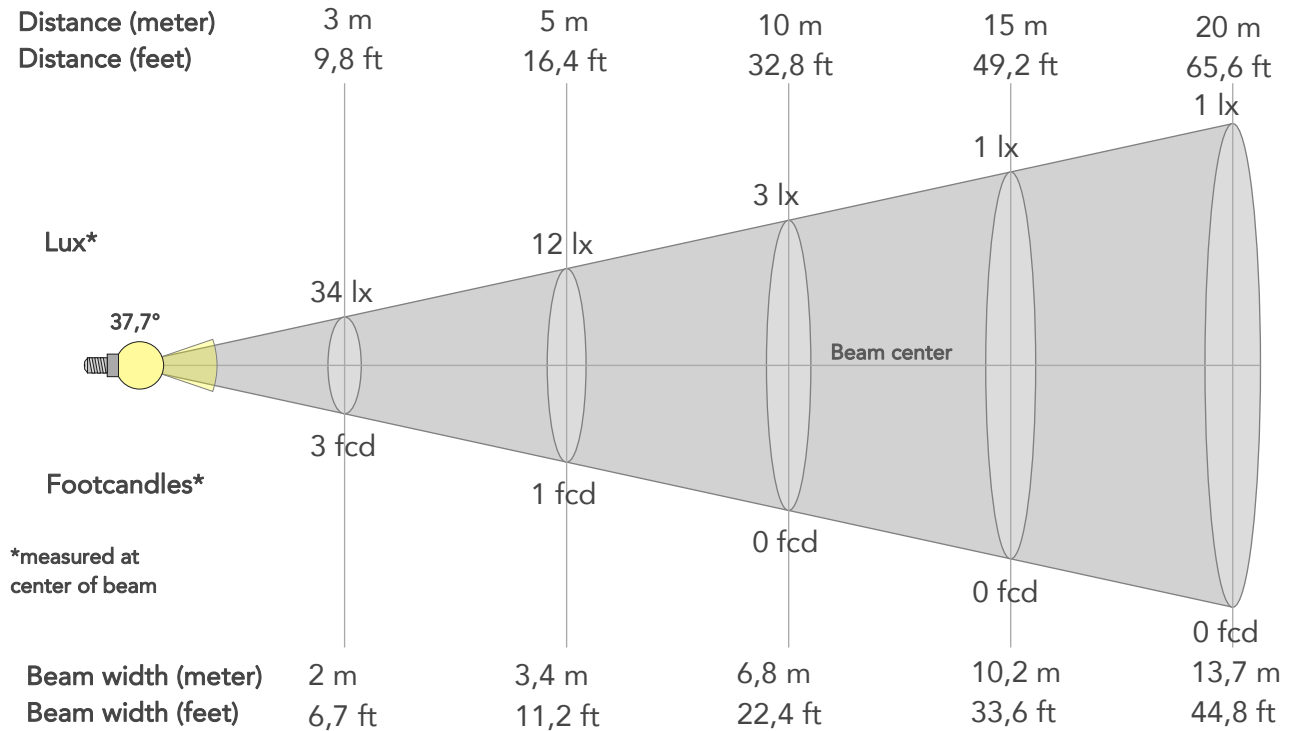
Cut off angle 2.5%: 44°

Spectra



BEAM DETAILS

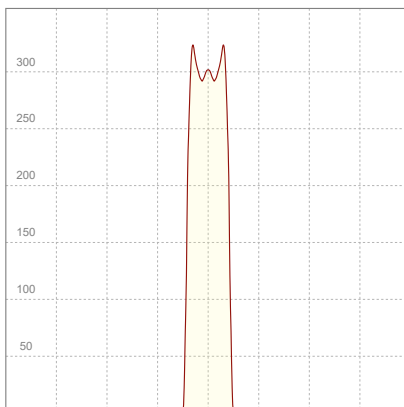
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
37,7°	42,2°	44°	97,3%	96,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	302lx	75lx	34lx	19lx	12lx	5lx	3lx	1lx	1lx	0lx	0lx	0lx	0lx
Footcand.	28fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,4m	2m	2,7m	3,4m	5,1m	6,8m	10,2m	13,7m	17,1m	20,5m	27,3m	34,1m
Beam wid.	2,3ft	4,5ft	6,7ft	8,9ft	11,2ft	16,8ft	22,4ft	33,6ft	44,8ft	56ft	67,2ft	89,6ft	112ft

LINEAR DISTRIBUTION DIAGRAM

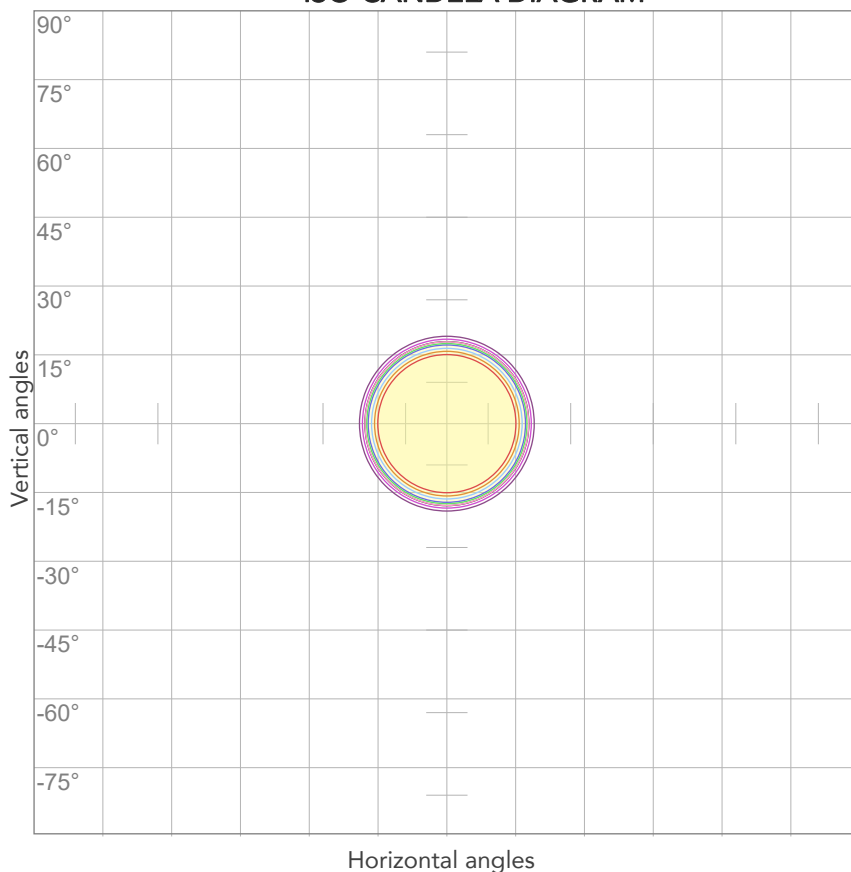


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,074A	9,2W	0,55	12lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



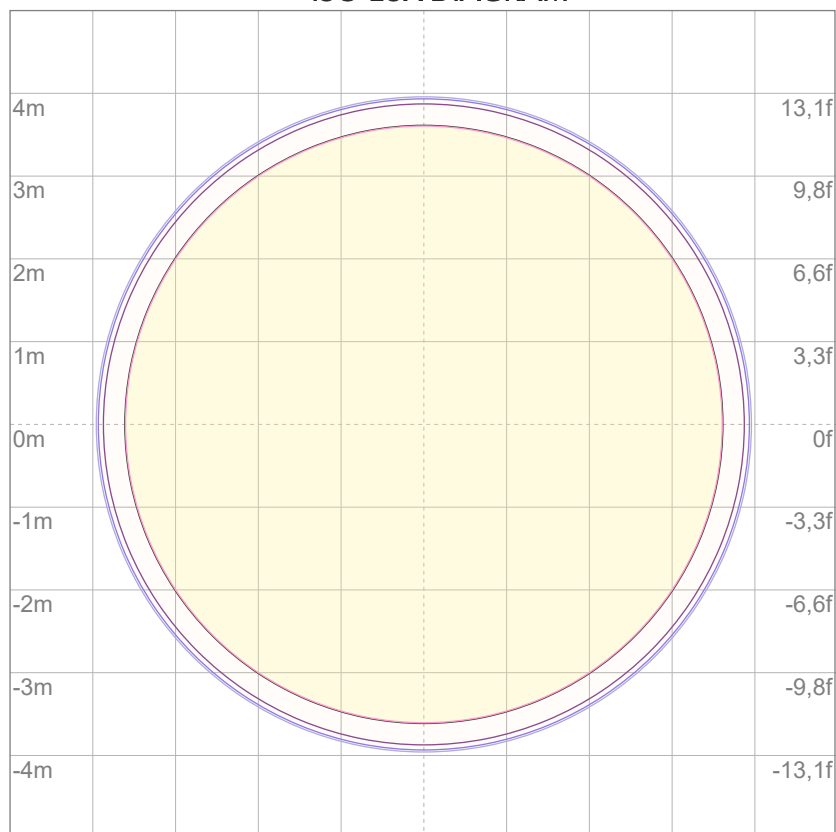
10%	30 cd
20%	60 cd
30%	90 cd
40%	121 cd
50%	151 cd
60%	181 cd
70%	211 cd
80%	241 cd

Conditions:

Number of c-planes: 2

Candela at center: 302 cd

ISO LUX DIAGRAM



3%	90,5m lx
5%	0,151 lx
10%	0,302 lx
30%	0,905 lx
50%	1,51 lx

Conditions:

Number of c-planes: 2

Lux at center: 3,02 lx

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



Total lumen output:

143 lm

Peak candela output:

1581 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 Lens - Min Zoom

Target:

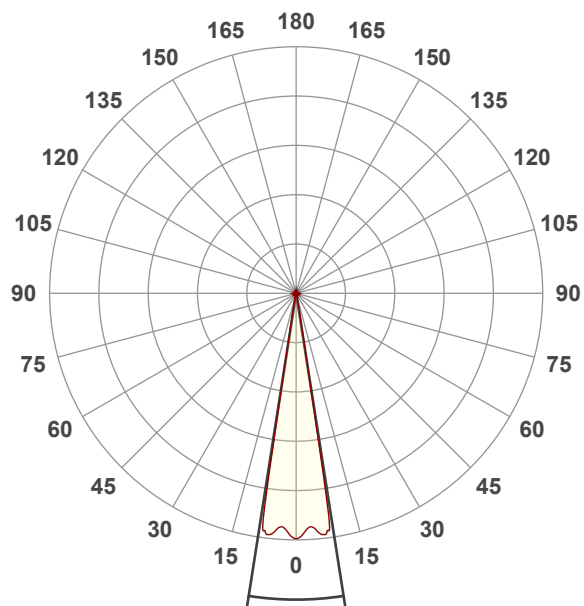
Red

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 17:30:35

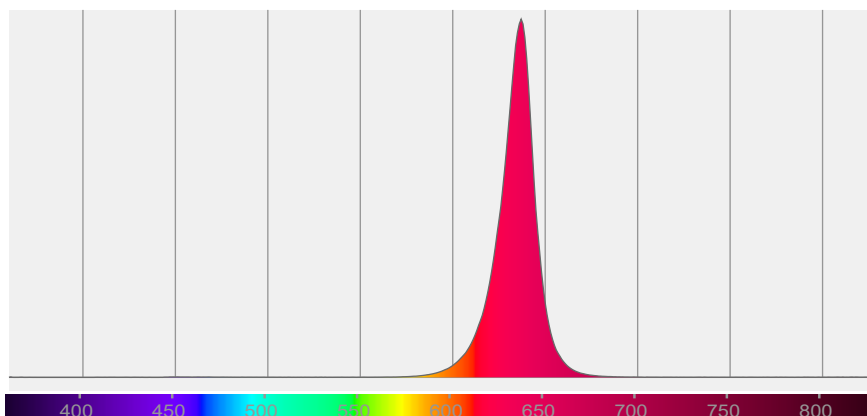


Beam angle 50%: 17,8°

Field angle 10%: 19,4°

Cut off angle 2.5%: 20,5°

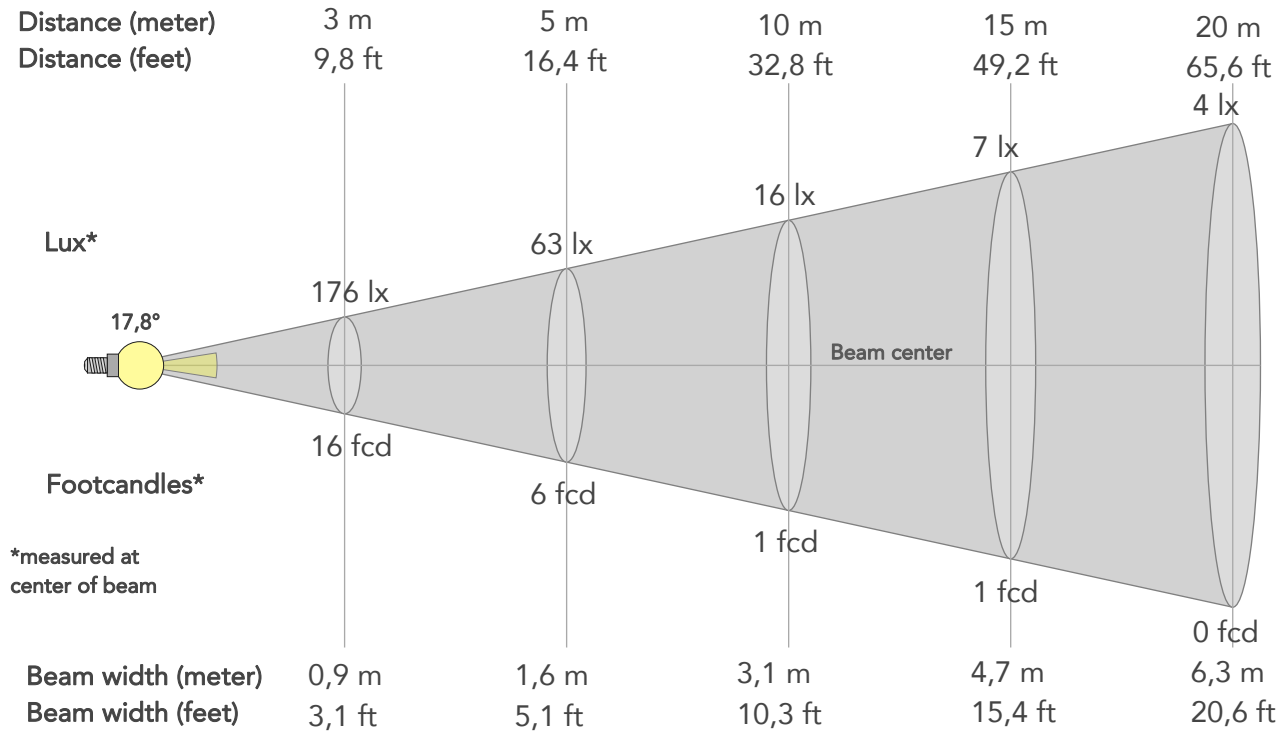
Spectra



BEAM DETAILS



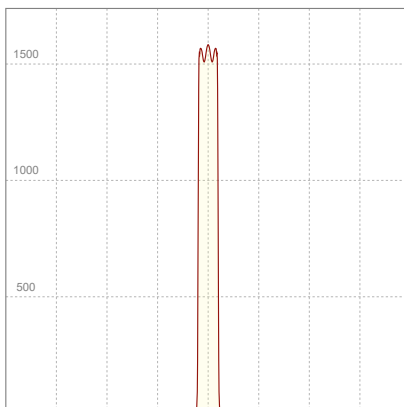
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,8°	19,4°	20,5°	91,2%	87,5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1581lx	395lx	176lx	99lx	63lx	28lx	16lx	7lx	4lx	3lx	2lx	1lx	1lx
Footcand.	147fcd	37fcd	16fcd	9fcd	6fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,3m	1,6m	2,4m	3,1m	4,7m	6,3m	7,8m	9,4m	12,5m	15,7m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,1ft	7,7ft	10,3ft	15,4ft	20,6ft	25,7ft	30,8ft	41,1ft	51,4ft

LINEAR DISTRIBUTION DIAGRAM

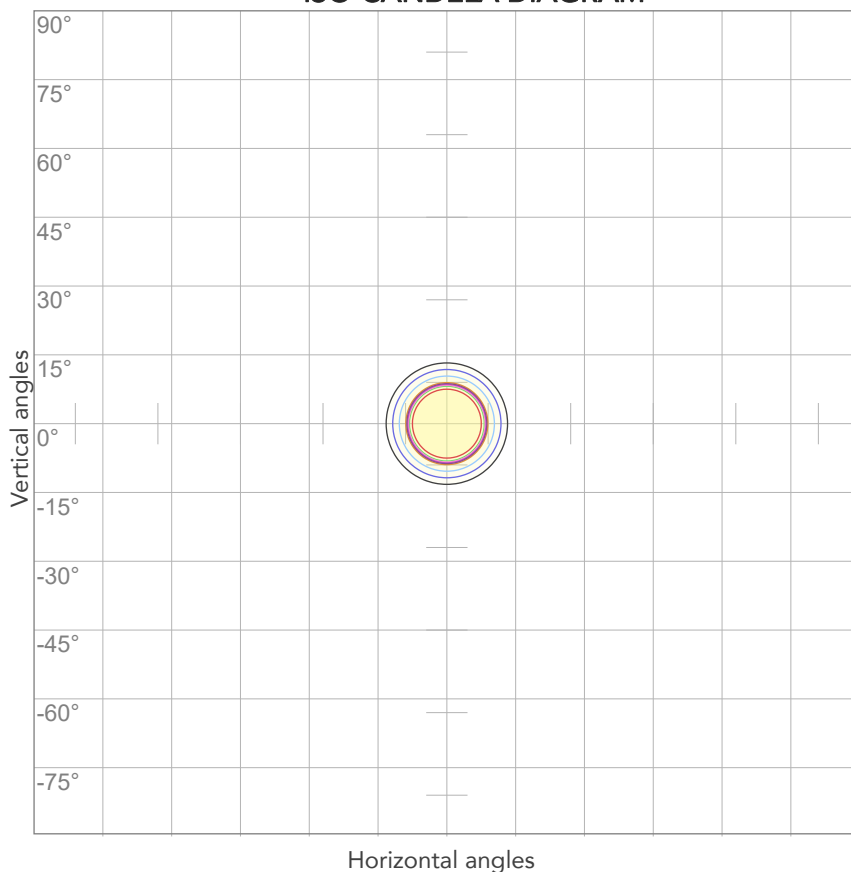


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,074A	9,2W	0,56	16lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



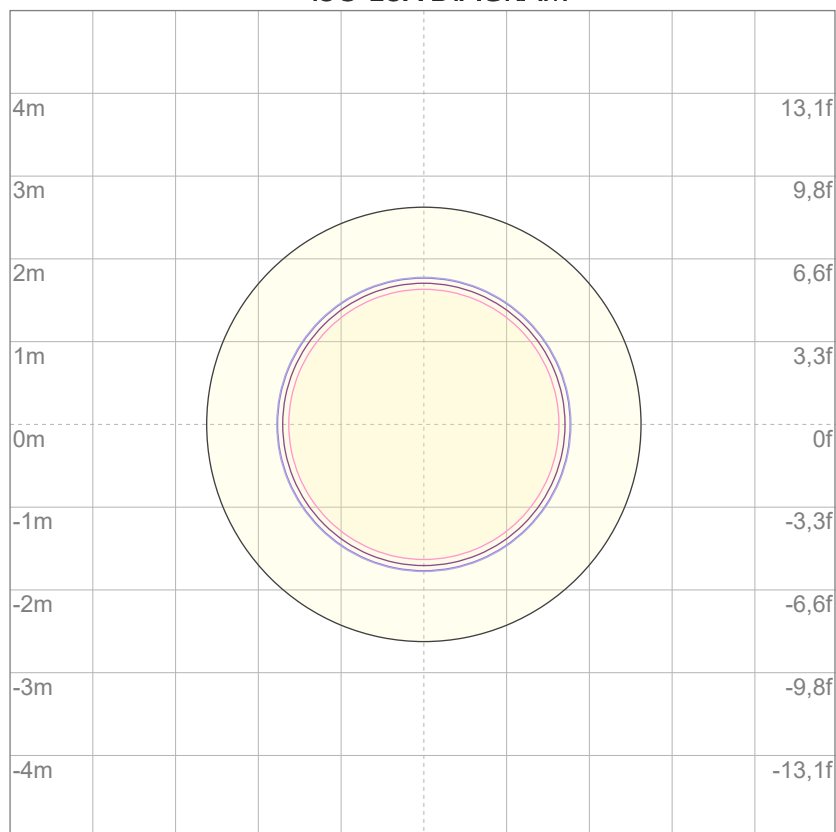
10%	158 cd
20%	316 cd
30%	474 cd
40%	632 cd
50%	790 cd
60%	948 cd
70%	1107 cd
80%	1265 cd

Conditions:

Number of c-planes: 2

Candela at center: 1581 cd

ISO LUX DIAGRAM



3%	0,474 lx
5%	0,790 lx
10%	1,58 lx
30%	4,74 lx
50%	7,90 lx

Conditions:

Number of c-planes: 2

Lux at center: 15,8 lx

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



Total lumen output:

169 lm

Peak candela output:

509 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 Lens - Max Zoom

Target:

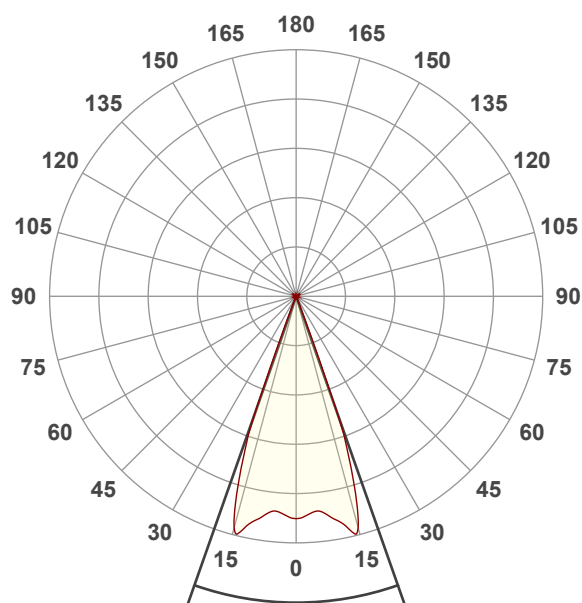
Green

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 16:08:46

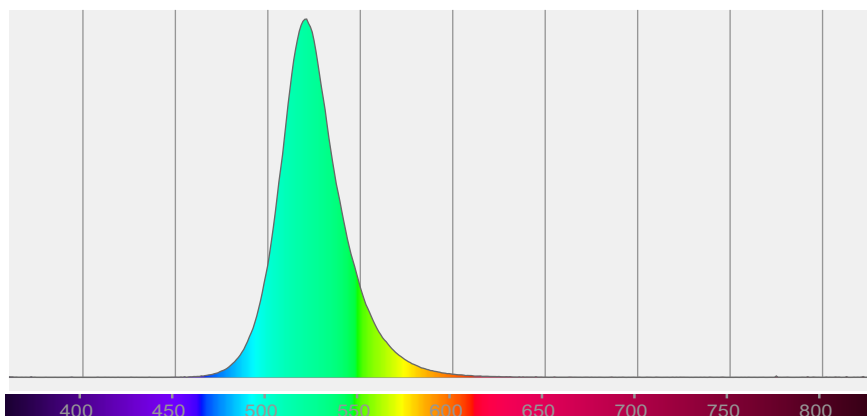


Beam angle 50%: 38,8°

Field angle 10%: 41,8°

Cut off angle 2.5%: 42,9°

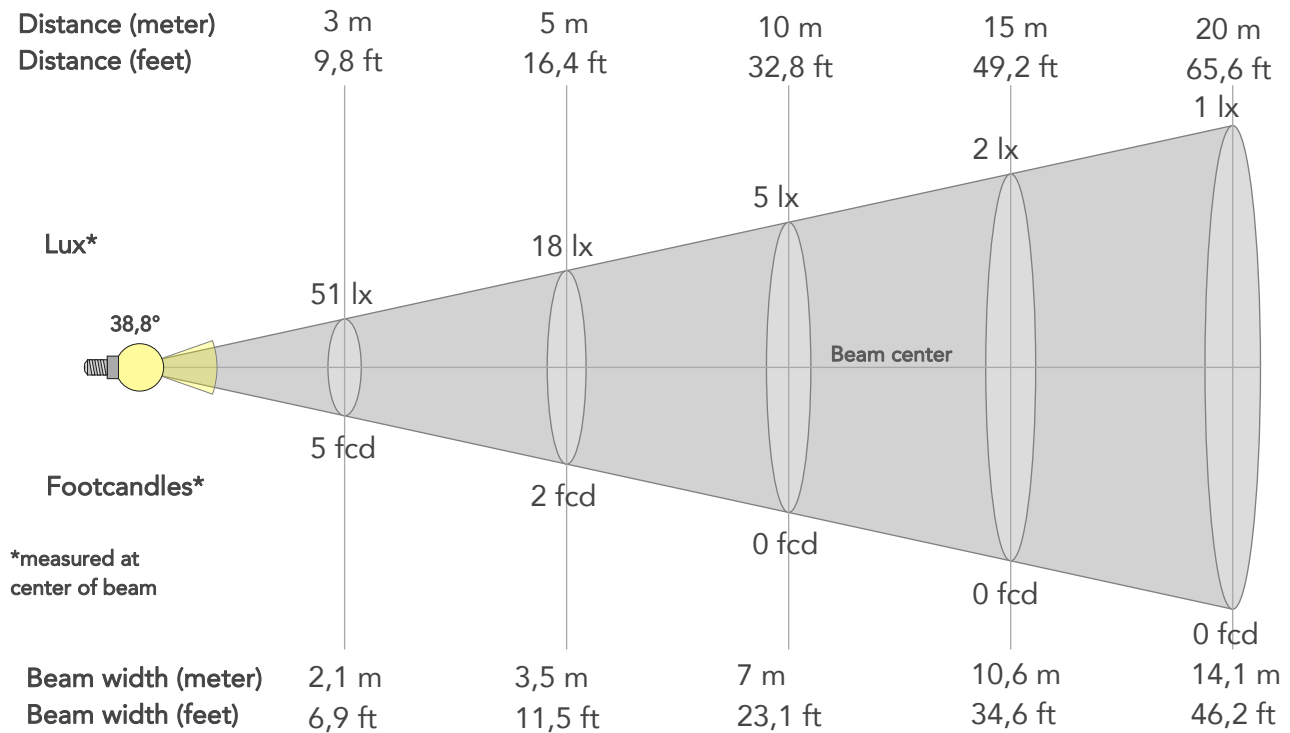
Spectra



BEAM DETAILS



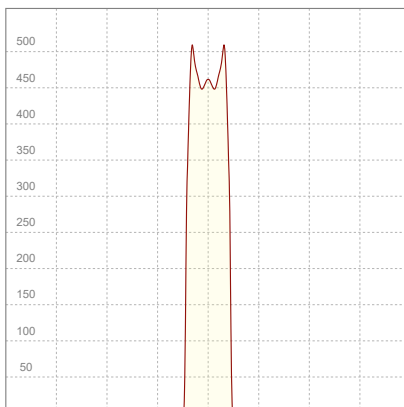
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38,8°	41,8°	42,9°	99,1%	98,8%



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	462lx	115lx	51lx	29lx	18lx	8lx	5lx	2lx	1lx	1lx	1lx	0lx	0lx
Footcand.	43fcd	11fcd	5fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,4m	2,1m	2,8m	3,5m	5,3m	7m	10,6m	14,1m	17,6m	21,1m	28,2m	35,2m
Beam wid.	2,3ft	4,6ft	6,9ft	9,2ft	11,5ft	17,3ft	23,1ft	34,6ft	46,2ft	57,7ft	69,3ft	92,4ft	115,5ft

LINEAR DISTRIBUTION DIAGRAM

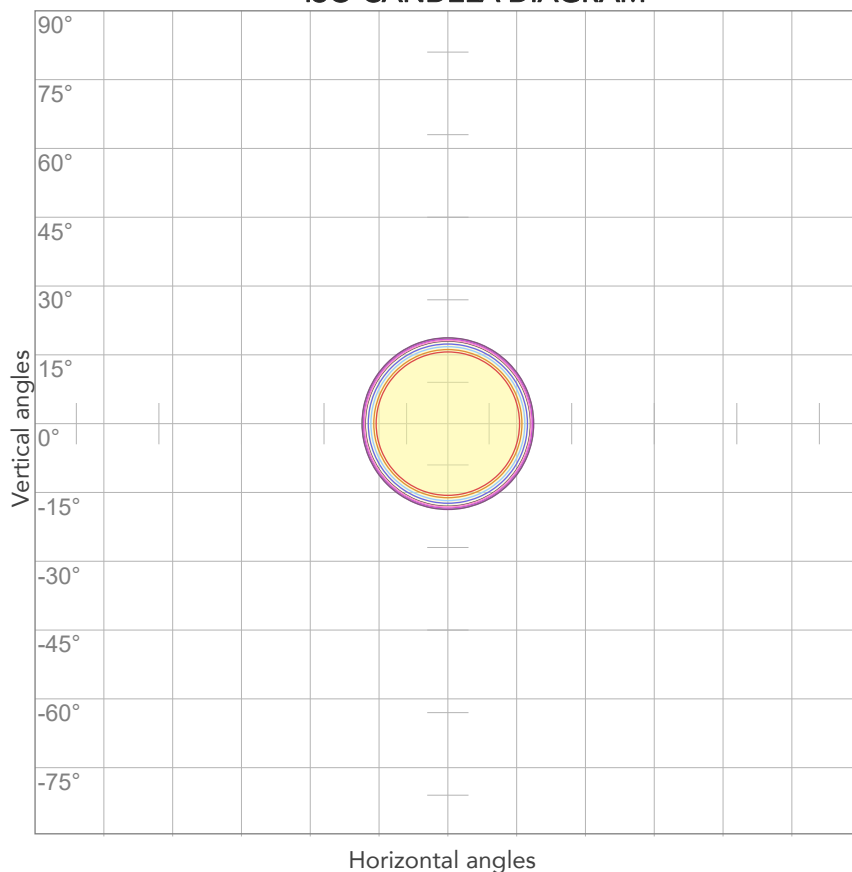


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,080A	10,2W	0,56	17lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



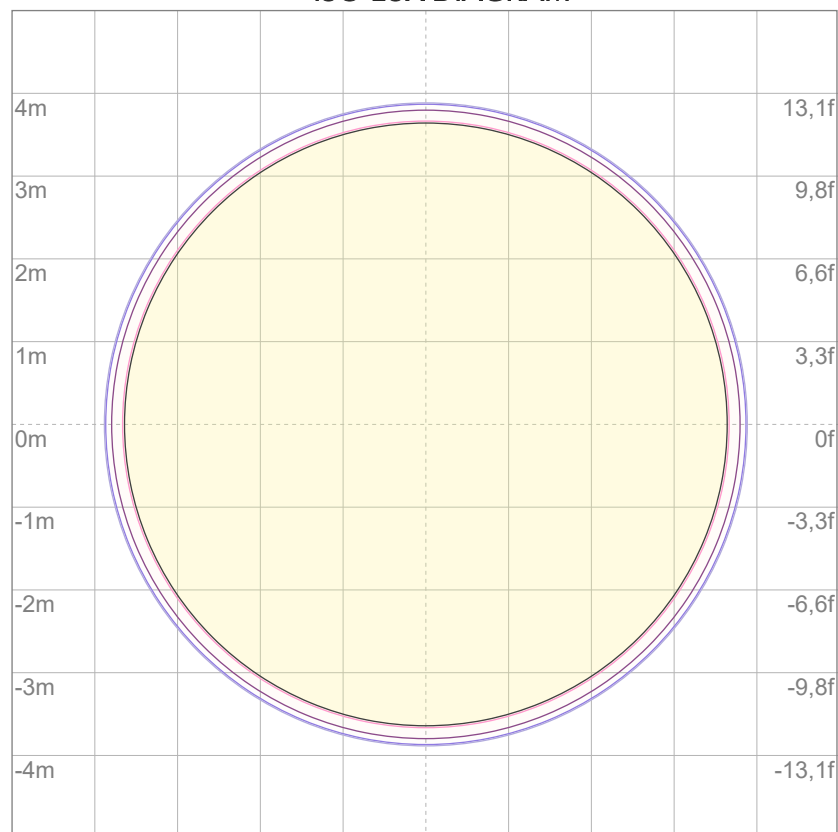
10%	46 cd
20%	92 cd
30%	138 cd
40%	185 cd
50%	231 cd
60%	277 cd
70%	323 cd
80%	369 cd

Conditions:

Number of c-planes: 2

Candela at center: 462 cd

ISO LUX DIAGRAM



3%	0,138 lx
5%	0,231 lx
10%	0,462 lx
30%	1,38 lx
50%	2,31 lx

Conditions:

Number of c-planes: 2

Lux at center: 4,62 lx

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



Total lumen output:

198 lm

Peak candela output:

2620 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 Lens - Min Zoom

Target:

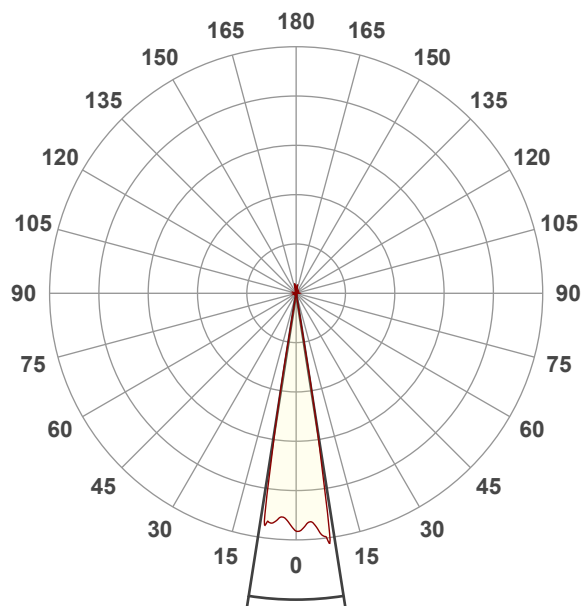
Green

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 17:34:02

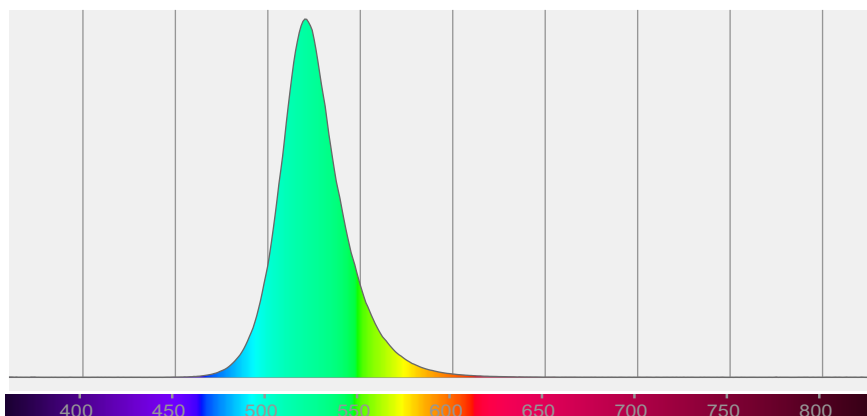


Beam angle 50%: 17,8°

Field angle 10%: 19,5°

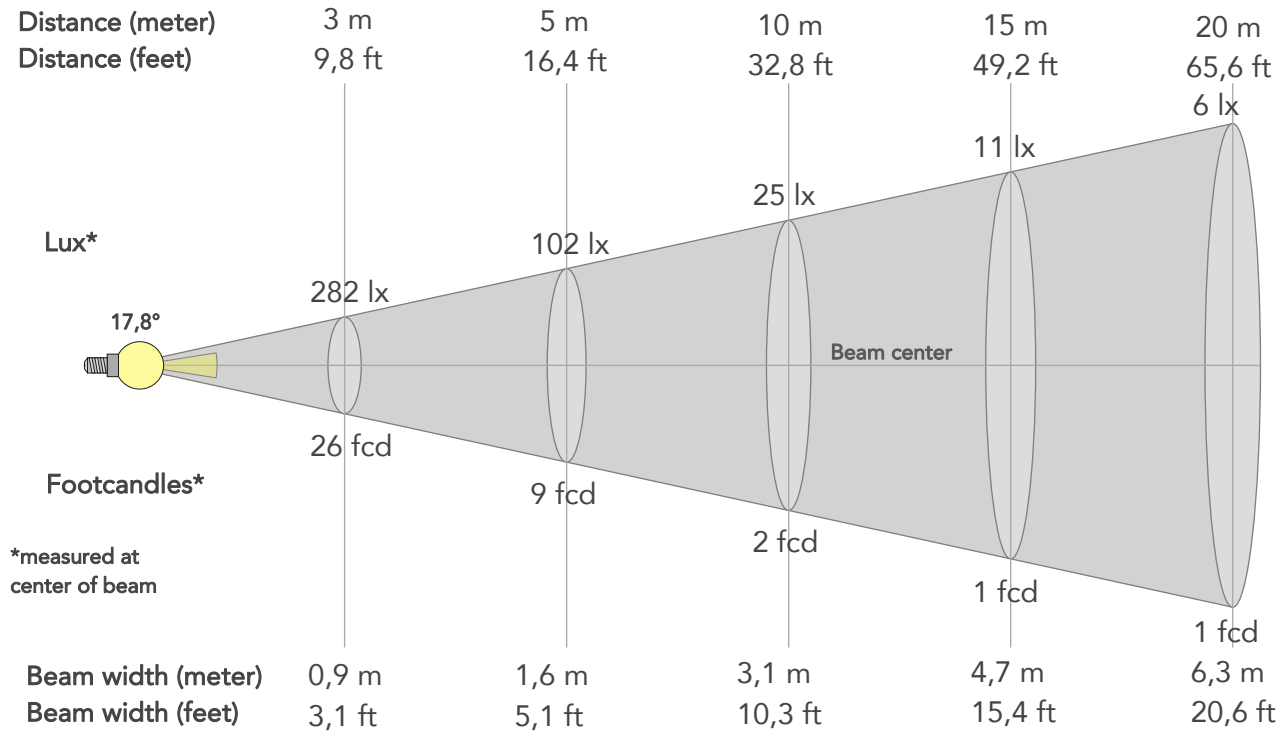
Cut off angle 2.5%: 19,9°

Spectra



BEAM DETAILS

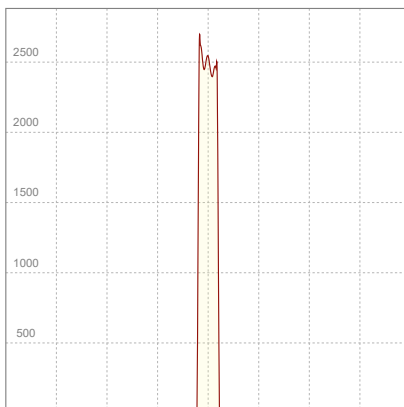
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,8°	19,5°	19,9°	98,5%	97,9%



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	2542lx	635lx	282lx	159lx	102lx	45lx	25lx	11lx	6lx	4lx	3lx	2lx	1lx
Footcand.	236fcd	59fcd	26fcd	15fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,3m	1,6m	2,4m	3,1m	4,7m	6,3m	7,8m	9,4m	12,5m	15,7m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,1ft	7,7ft	10,3ft	15,4ft	20,6ft	25,7ft	30,8ft	41,1ft	51,4ft

LINEAR DISTRIBUTION DIAGRAM

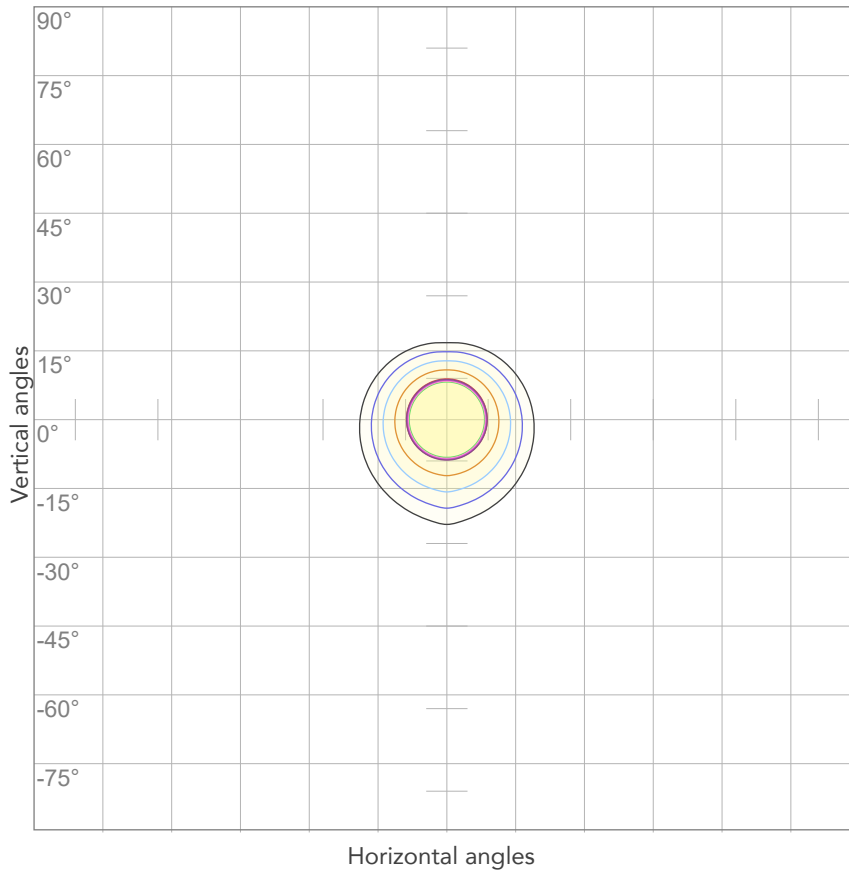


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,082A	10,2W	0,56	19lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



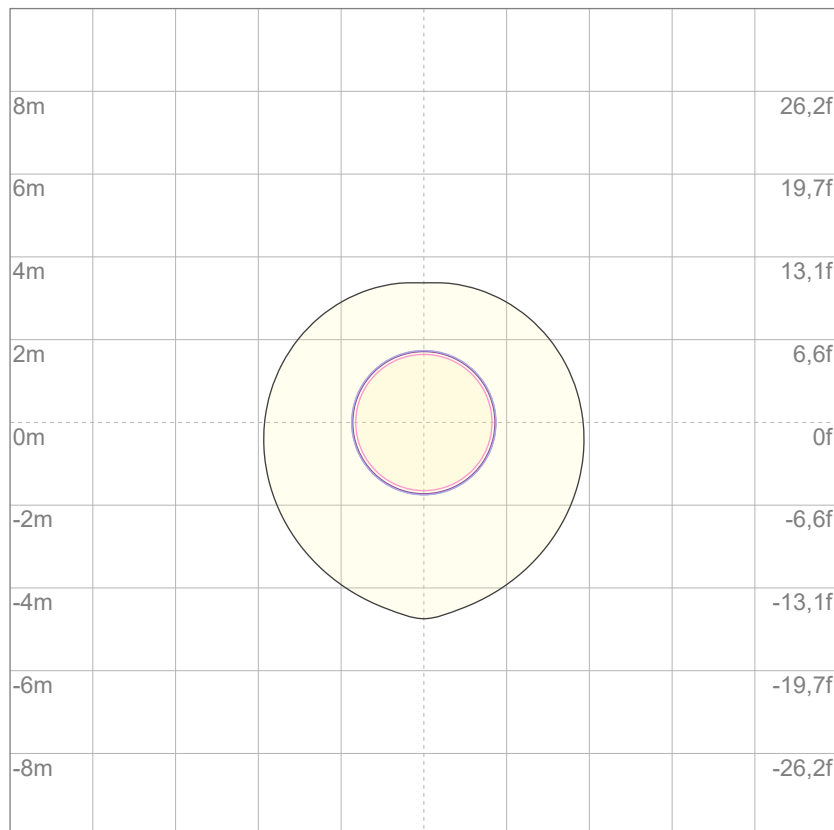
10%	254 cd
20%	508 cd
30%	763 cd
40%	1017 cd
50%	1271 cd
60%	1525 cd
70%	1779 cd
80%	2033 cd

Conditions:

Number of c-planes: 2

Candela at center: 2542 cd

ISO LUX DIAGRAM



3%	0,763 lx
5%	1,27 lx
10%	2,54 lx
30%	7,63 lx
50%	12,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 25,4 lx

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



Total lumen output:

56,3 lm

Peak candela output:

149 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 Lens - Max Zoom

Target:

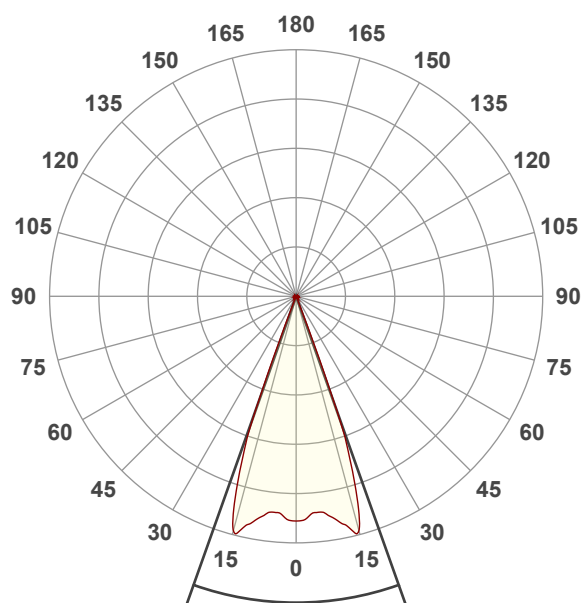
Blue

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 16:14:00

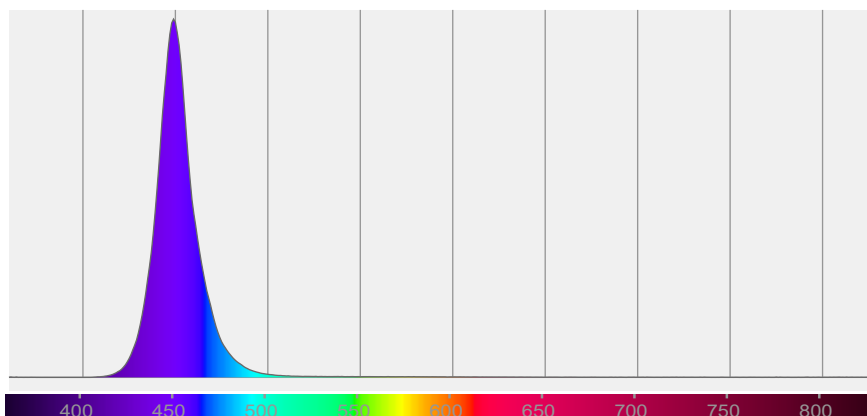


Beam angle 50%: 39,1°

Field angle 10%: 42,2°

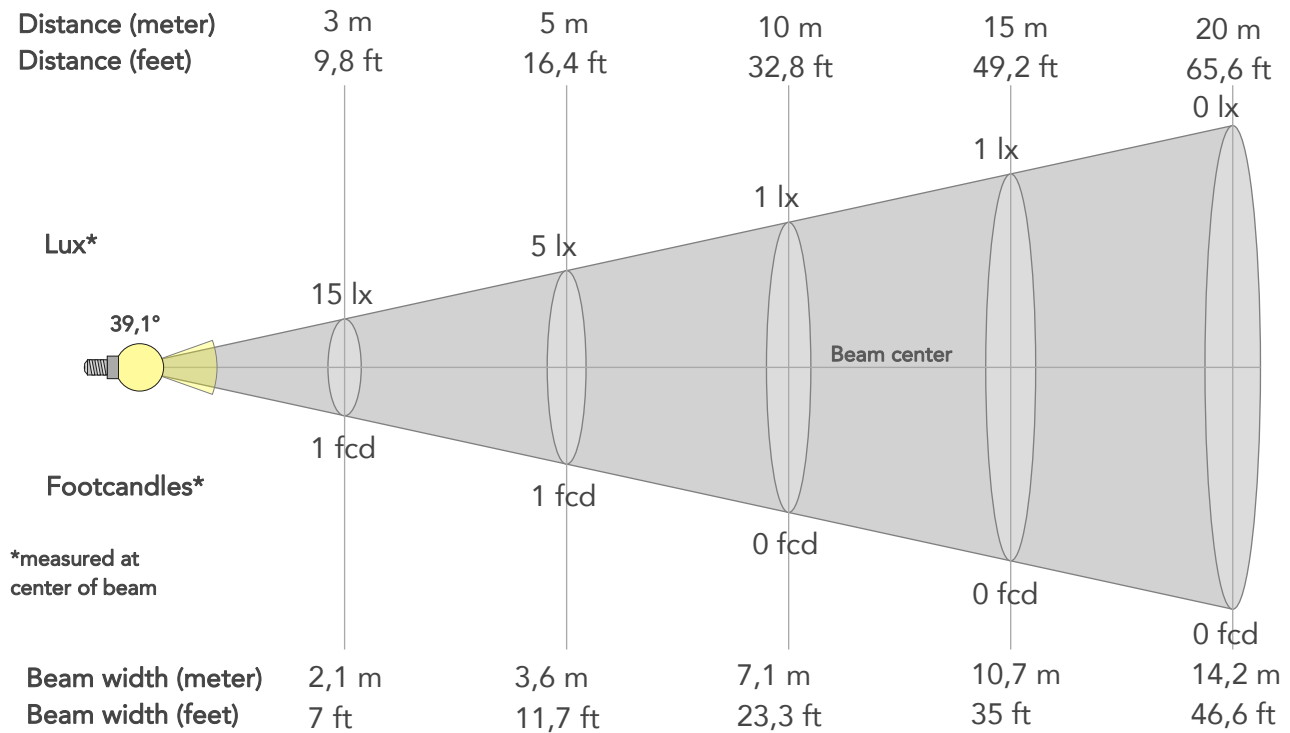
Cut off angle 2.5%: 43,6°

Spectra



BEAM DETAILS

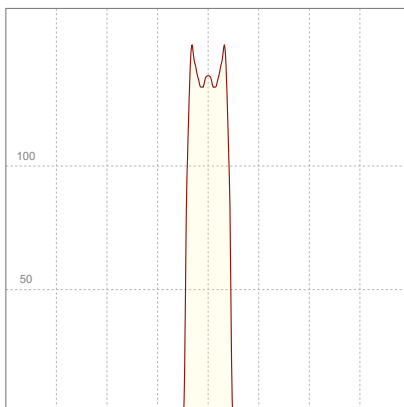
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,1°	42,2°	43,6°	93,6%	91,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	137lx	34lx	15lx	9lx	5lx	2lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx
Footcand.	13fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,4m	2,1m	2,8m	3,6m	5,3m	7,1m	10,7m	14,2m	17,8m	21,3m	28,4m	35,5m
Beam wid.	2,3ft	4,7ft	7ft	9,3ft	11,7ft	17,5ft	23,3ft	35ft	46,6ft	58,3ft	69,9ft	93,2ft	116,6ft

LINEAR DISTRIBUTION DIAGRAM

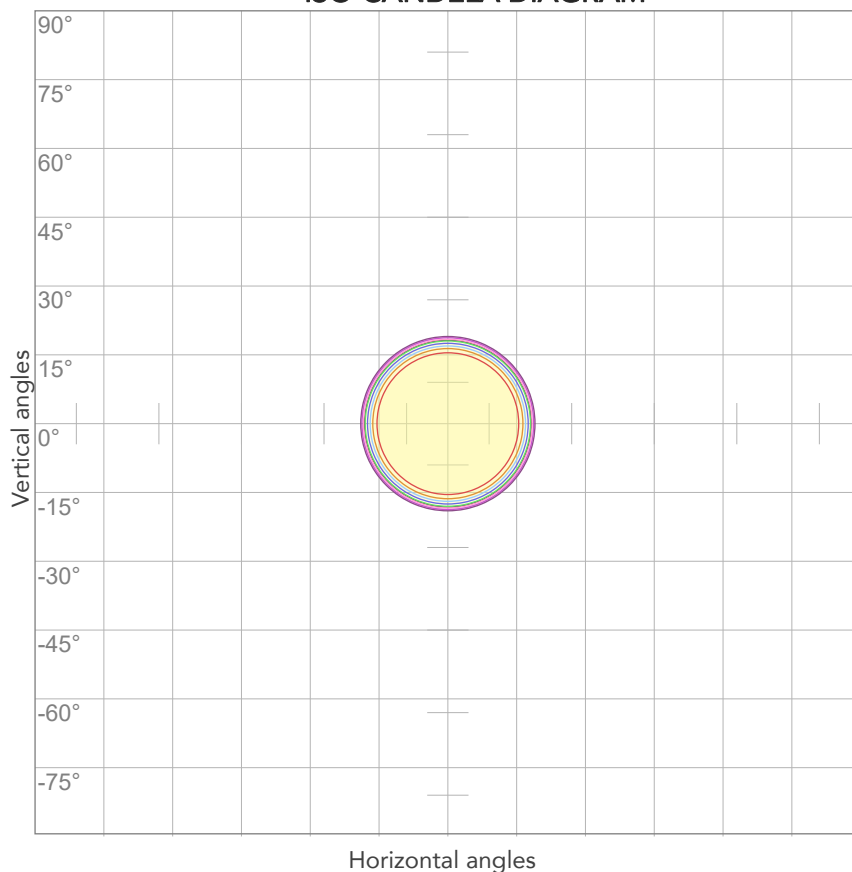


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,085A	11,4W	0,59	5lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



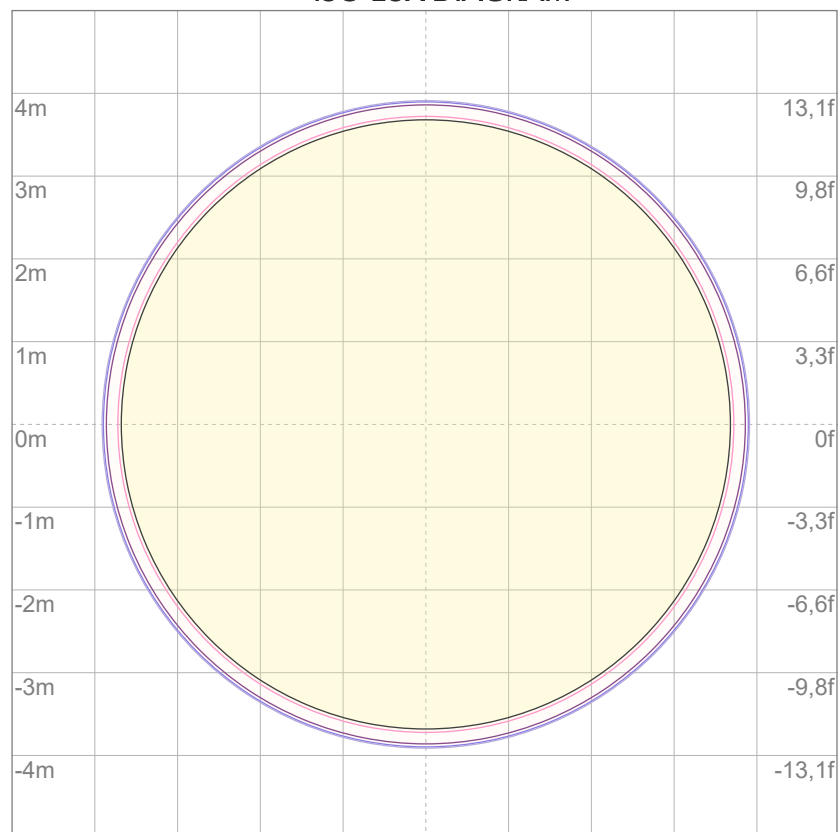
10%	14 cd
20%	27 cd
30%	41 cd
40%	55 cd
50%	68 cd
60%	82 cd
70%	96 cd
80%	109 cd

Conditions:

Number of c-planes: 2

Candela at center: 137 cd

ISO LUX DIAGRAM



3%	41,0m lx
5%	68,3m lx
10%	0,137 lx
30%	0,410 lx
50%	0,683 lx

Conditions:

Number of c-planes: 2

Lux at center: 1,37 lx

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



Total lumen output:

81,6 lm

Peak candela output:

762 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 Lens - Min Zoom

Target:

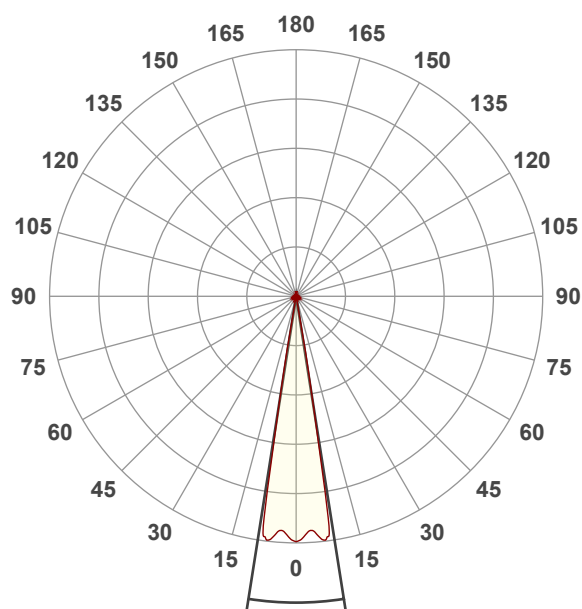
Blue

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 17:36:22

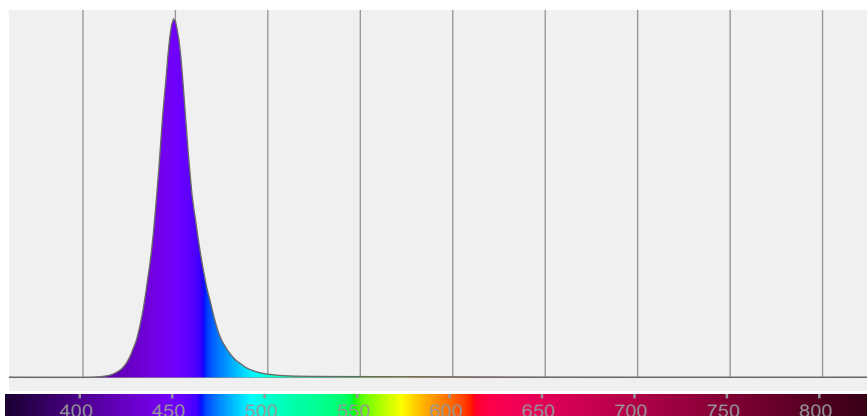


Beam angle 50%: 17,9°

Field angle 10%: 19,9°

Cut off angle 2.5%: 20,4°

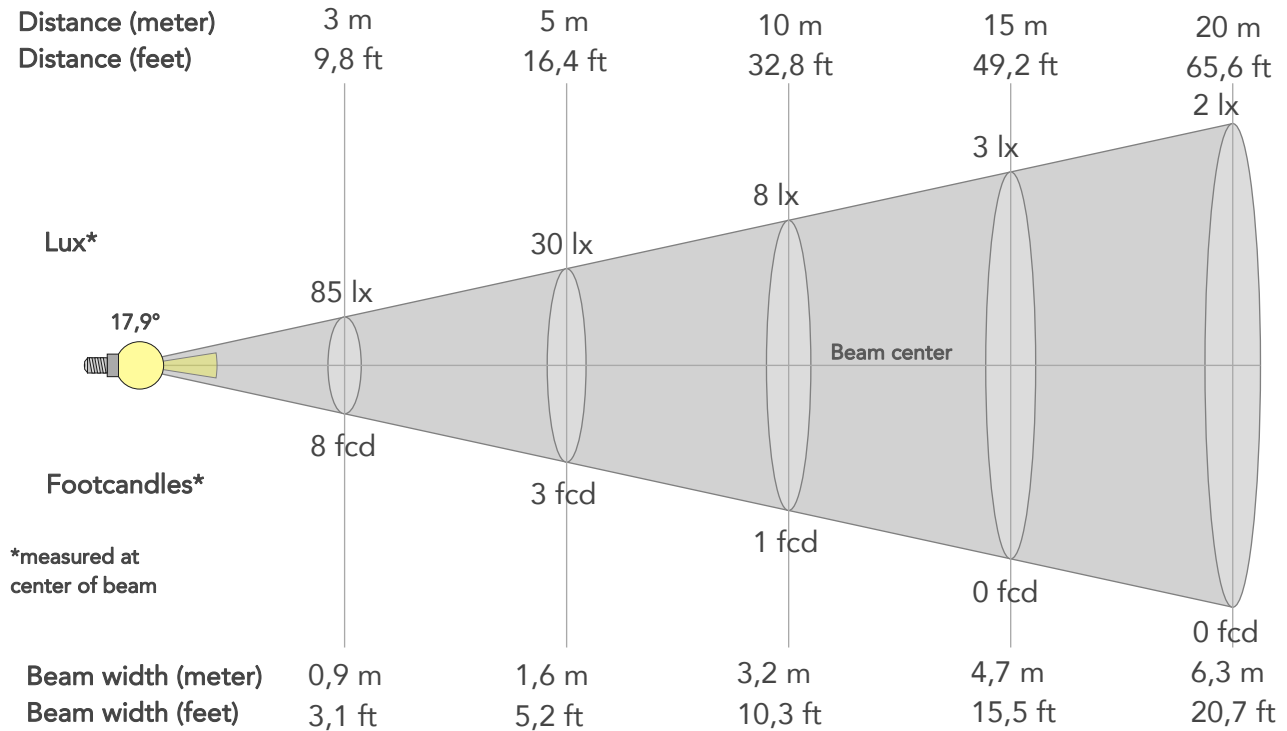
Spectra



BEAM DETAILS



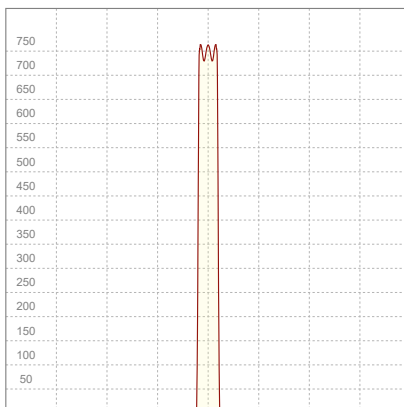
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,9°	19,9°	20,4°	85,6%	79,7%



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	762lx	191lx	85lx	48lx	30lx	14lx	8lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	71fcd	18fcd	8fcd	4fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,3m	1,6m	2,4m	3,2m	4,7m	6,3m	7,9m	9,5m	12,6m	15,8m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,2ft	7,8ft	10,3ft	15,5ft	20,7ft	25,8ft	31ft	41,4ft	51,7ft

LINEAR DISTRIBUTION DIAGRAM

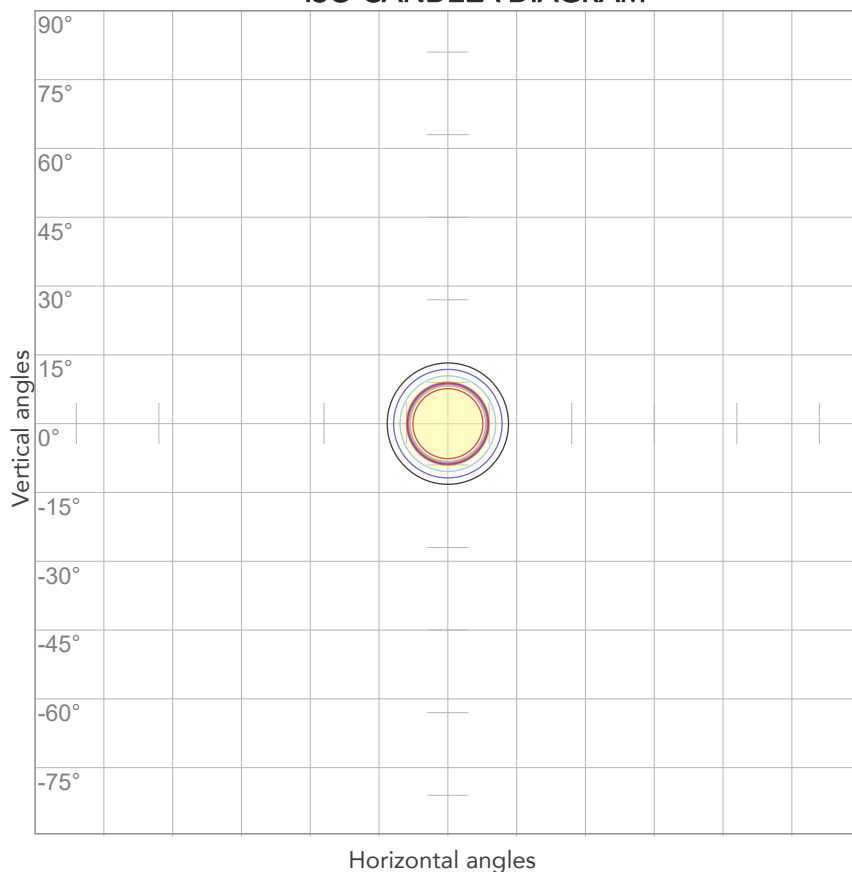


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,086A	11,3W	0,58	7lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



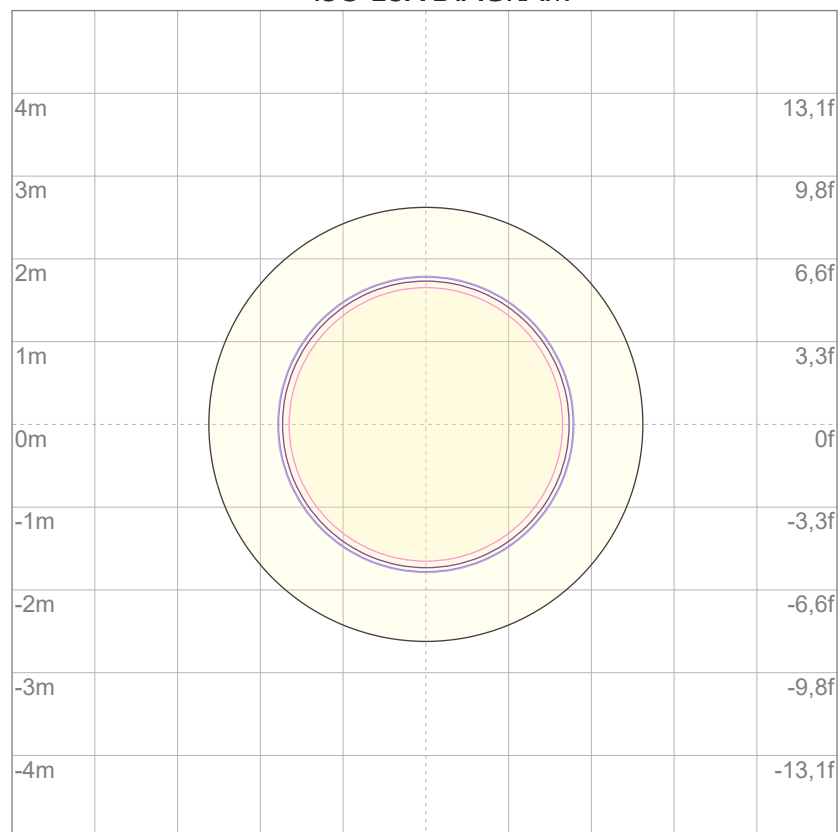
10%	76 cd
20%	152 cd
30%	229 cd
40%	305 cd
50%	381 cd
60%	457 cd
70%	534 cd
80%	610 cd

Conditions:

Number of c-planes: 2

Candela at center: 762 cd

ISO LUX DIAGRAM



3%	0,229 lx
5%	0,381 lx
10%	0,762 lx
30%	2,29 lx
50%	3,81 lx

Conditions:

Number of c-planes: 2

Lux at center: 7,62 lx

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



Total lumen output:

447 lm

Peak candela output:

1367 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 Lens - Max Zoom

Target:

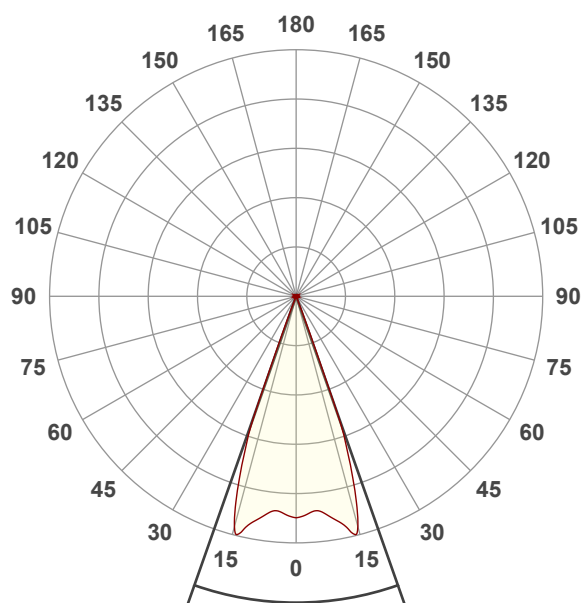
Lime

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 16:19:01

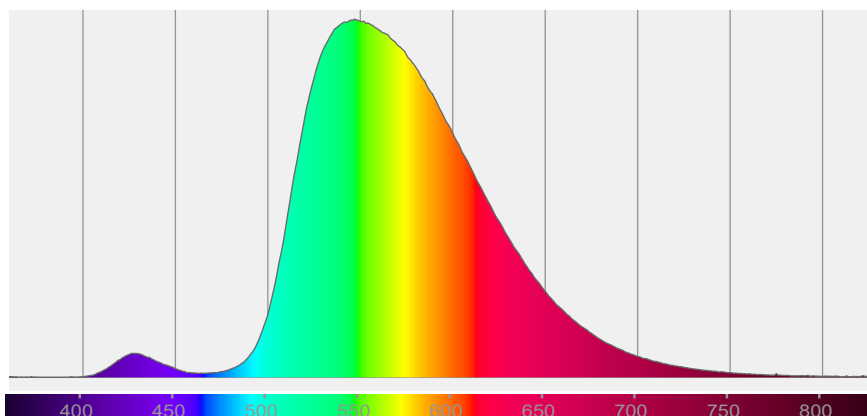


Beam angle 50%: 38,8°

Field angle 10%: 41,5°

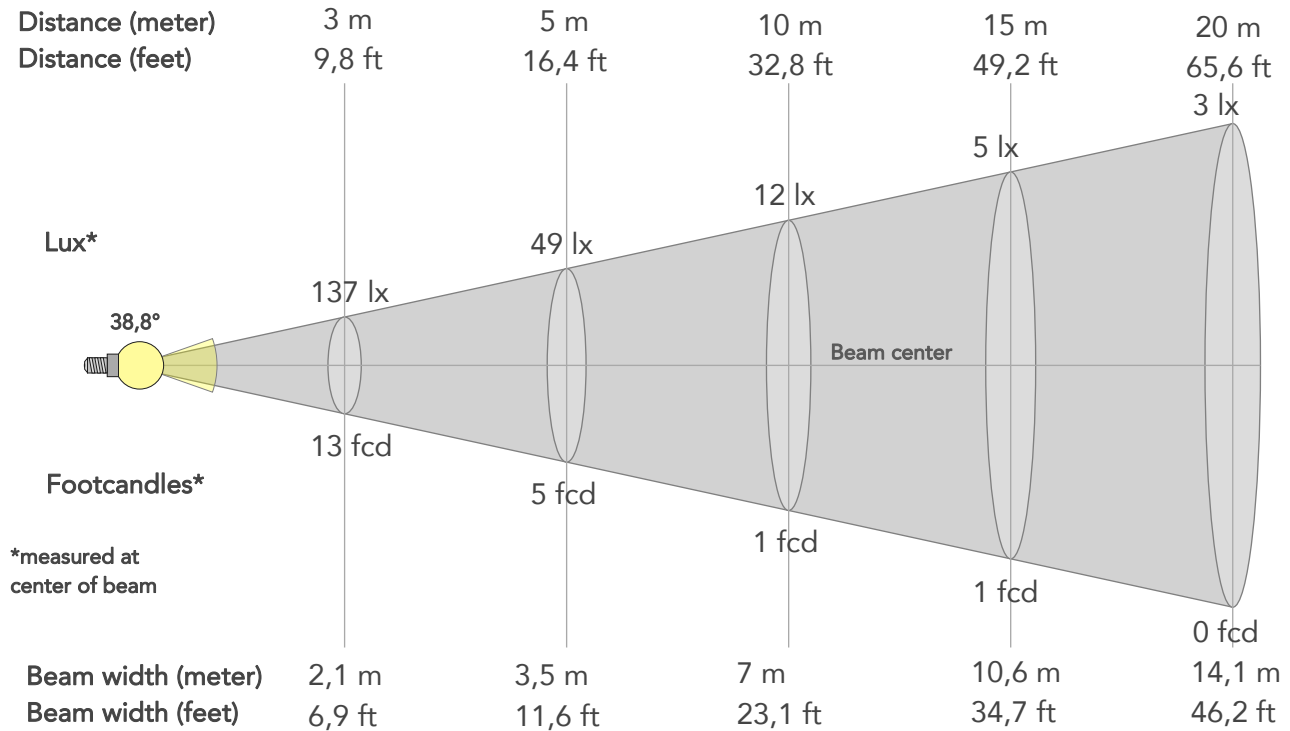
Cut off angle 2.5%: 42,5°

Spectra



BEAM DETAILS

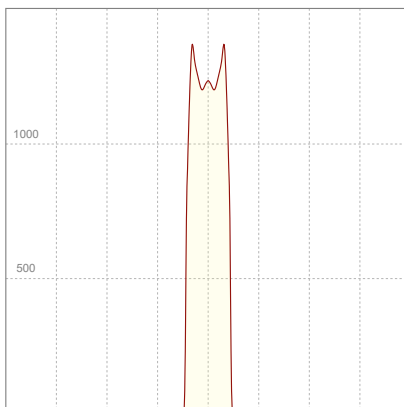
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38,8°	41,5°	42,5°	99,5%	99,4%



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	1235lx	309lx	137lx	77lx	49lx	22lx	12lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	115fcd	29fcd	13fcd	7fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,4m	2,1m	2,8m	3,5m	5,3m	7m	10,6m	14,1m	17,6m	21,1m	28,2m	35,2m
Beam wid.	2,3ft	4,6ft	6,9ft	9,2ft	11,6ft	17,3ft	23,1ft	34,7ft	46,2ft	57,8ft	69,3ft	92,4ft	115,5ft

LINEAR DISTRIBUTION DIAGRAM

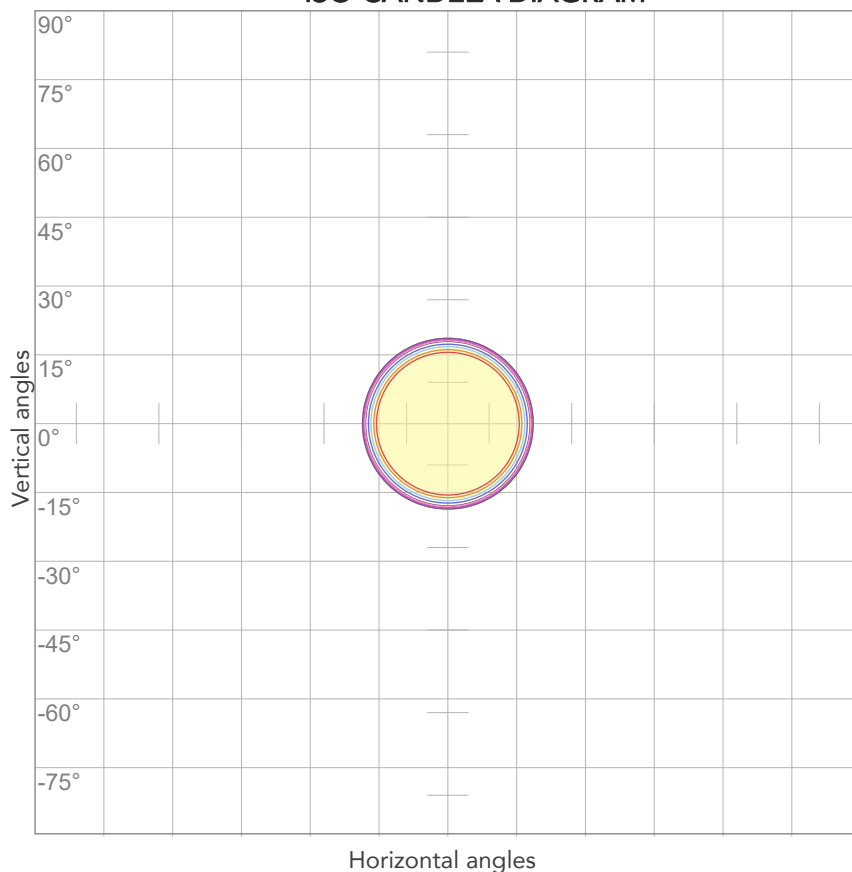


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,109A	19,6W	0,79	23lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



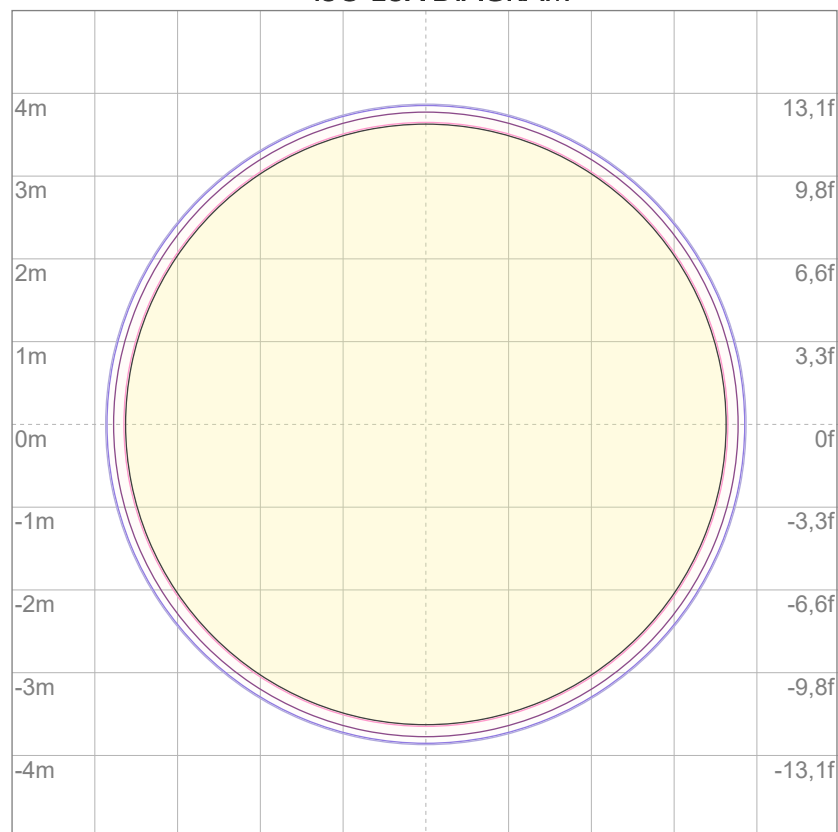
10%	123 cd
20%	247 cd
30%	370 cd
40%	494 cd
50%	617 cd
60%	741 cd
70%	864 cd
80%	988 cd

Conditions:

Number of c-planes: 2

Candela at center: 1235 cd

ISO LUX DIAGRAM



3%	0,370 lx
5%	0,617 lx
10%	1,23 lx
30%	3,70 lx
50%	6,17 lx

Conditions:

Number of c-planes: 2

Lux at center: 12,3 lx

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



Total lumen output:

525 lm

Peak candela output:

6714 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 Lens - Min Zoom

Target:

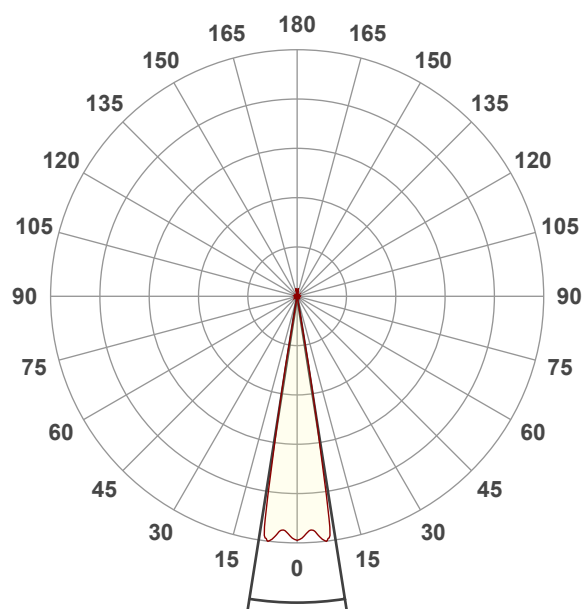
Lime

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 17:38:41

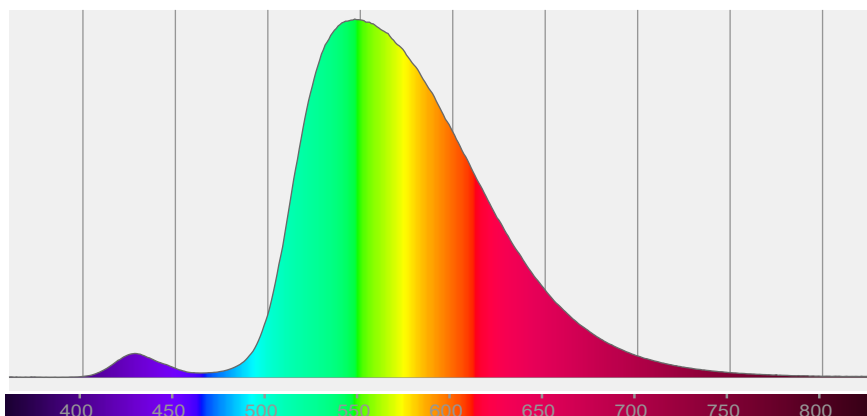


Beam angle 50%: 17,9°

Field angle 10%: 19,8°

Cut off angle 2.5%: 20,2°

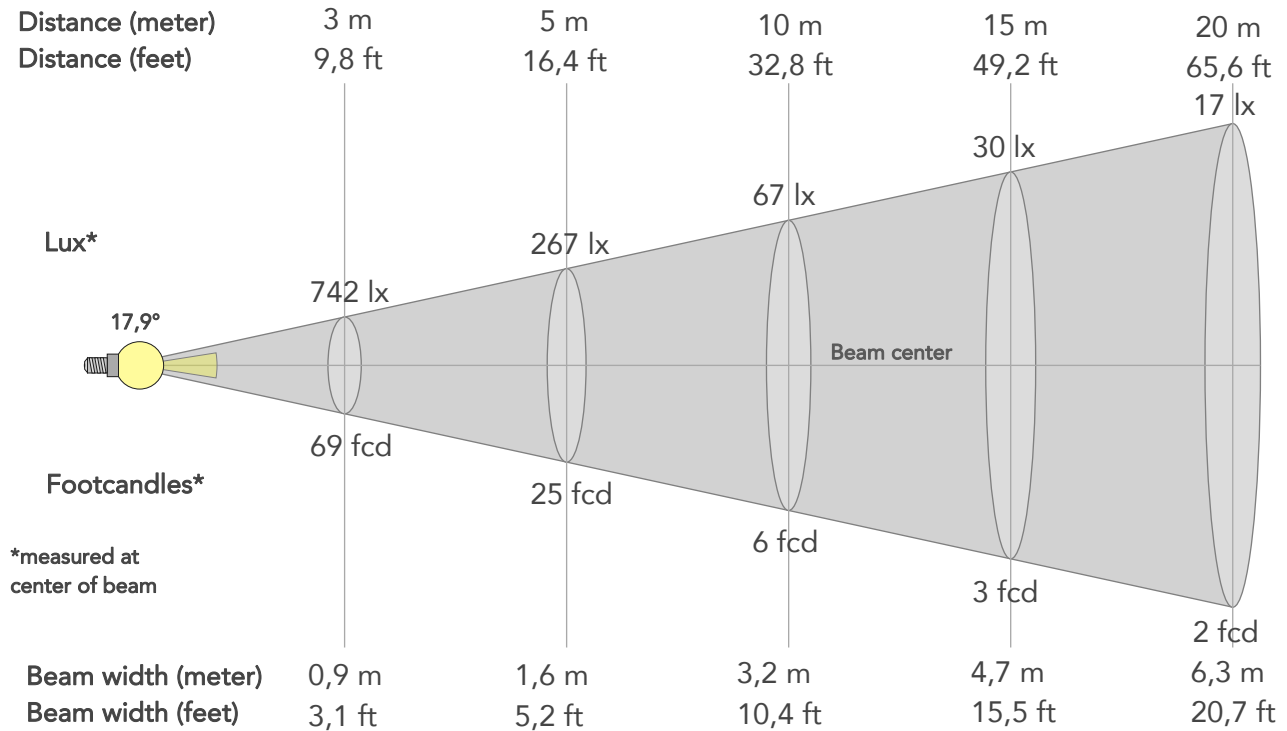
Spectra



BEAM DETAILS



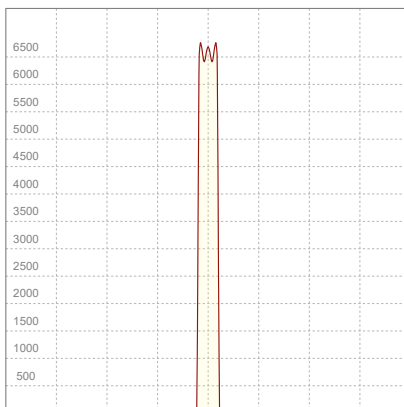
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,9°	19,8°	20,2°	98,4%	98,2%



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	6679lx	1670lx	742lx	417lx	267lx	119lx	67lx	30lx	17lx	11lx	7lx	4lx	3lx
Footcand.	620fcd	155fcd	69fcd	39fcd	25fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,3m	1,6m	2,4m	3,2m	4,7m	6,3m	7,9m	9,5m	12,6m	15,8m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,2ft	7,8ft	10,4ft	15,5ft	20,7ft	25,9ft	31,1ft	41,4ft	51,8ft

LINEAR DISTRIBUTION DIAGRAM

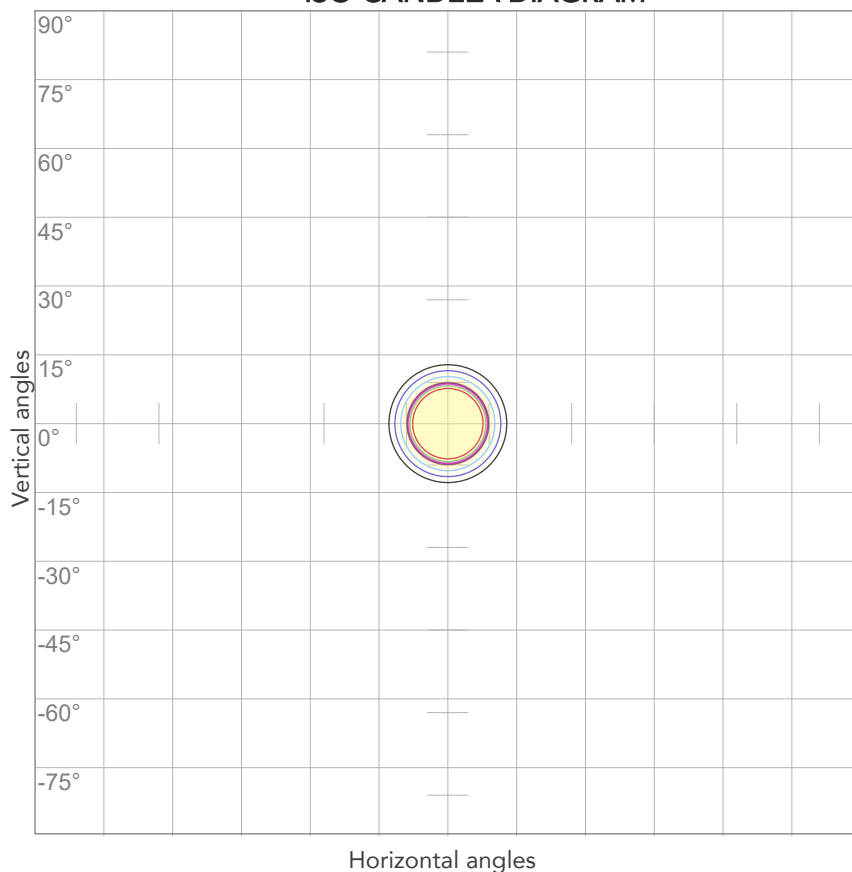


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,110A	19,4W	0,78	27lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



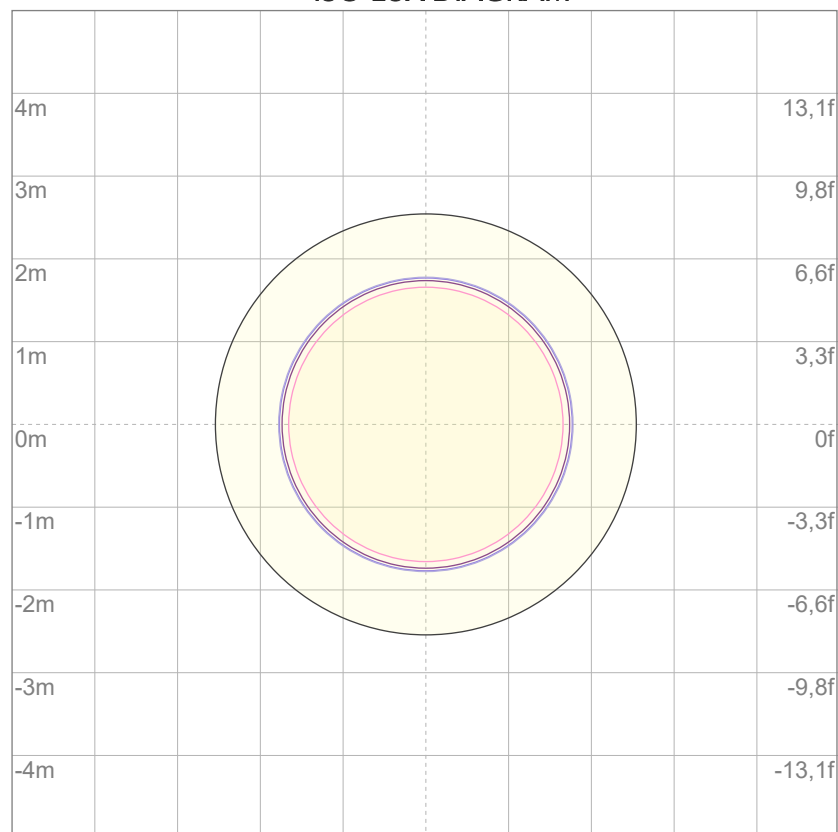
10%	668 cd
20%	1336 cd
30%	2004 cd
40%	2671 cd
50%	3339 cd
60%	4007 cd
70%	4675 cd
80%	5343 cd

Conditions:

Number of c-planes: 2

Candela at center: 6679 cd

ISO LUX DIAGRAM



3%	2,00 lx
5%	3,34 lx
10%	6,68 lx
30%	20,0 lx
50%	33,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 66,8 lx

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



Total lumen output:

455 lm

Peak candela output:

1379 cd

Light quality:

CRI: 84,6

Color temperature:

2947 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 Lens - Max Zoom

Target:

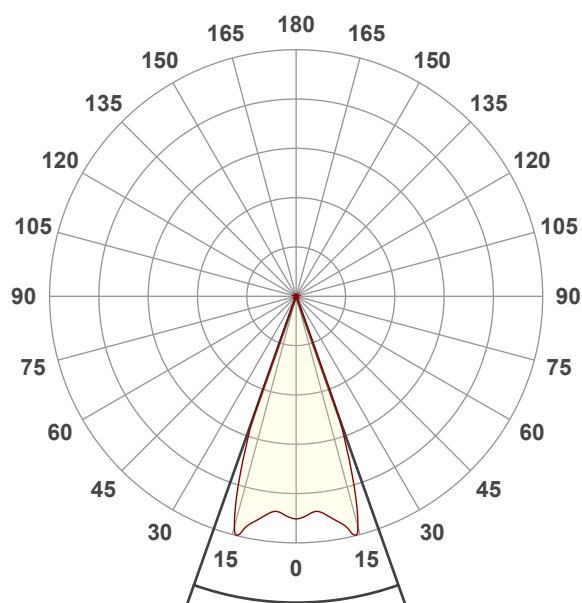
2800K

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 16:24:40

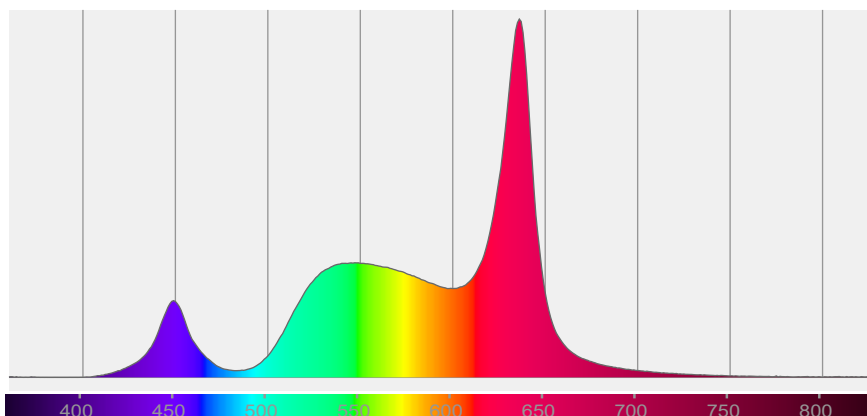


Beam angle 50%: 39°

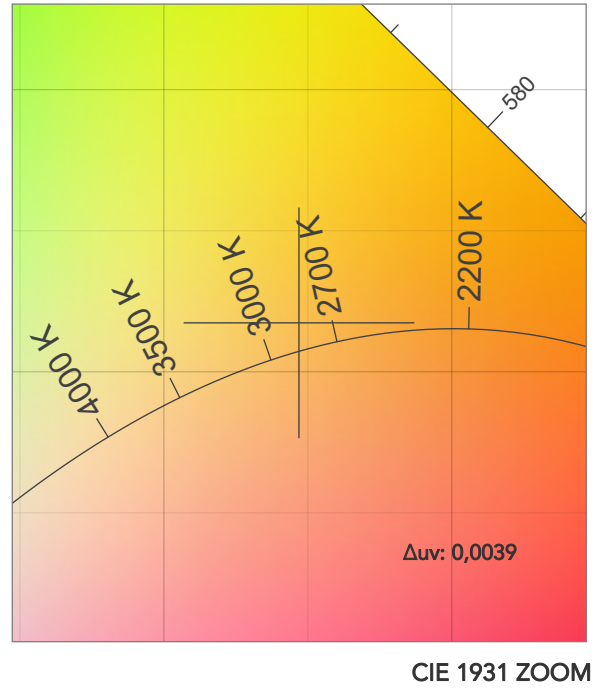
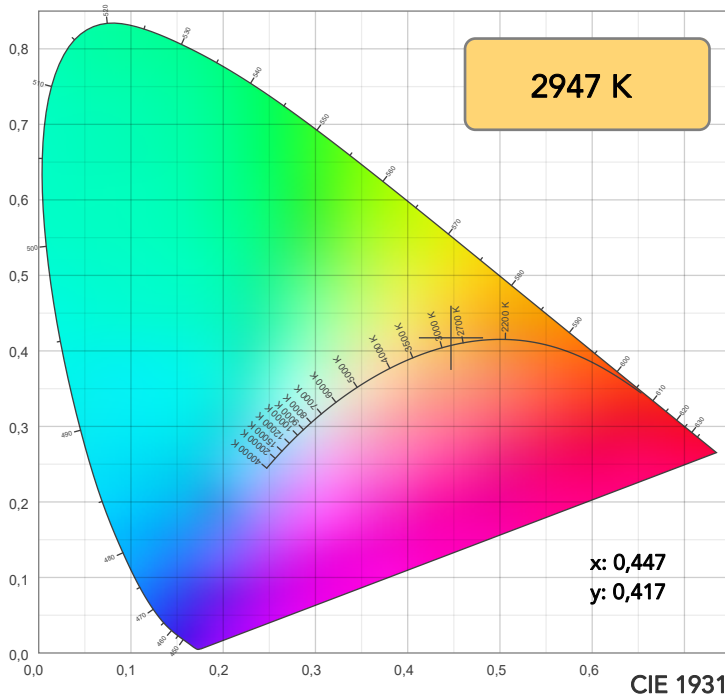
Field angle 10%: 40,9°

Cut off angle 2.5%: 42,4°

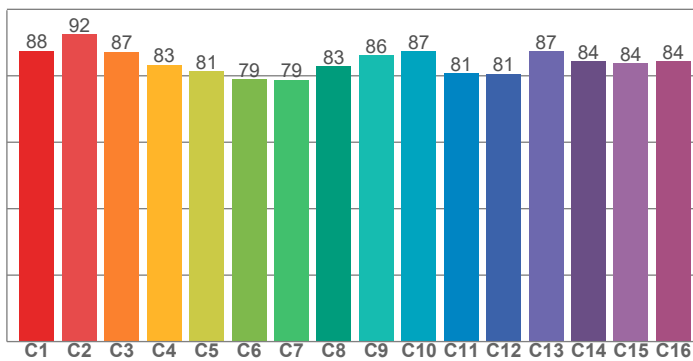
Spectra



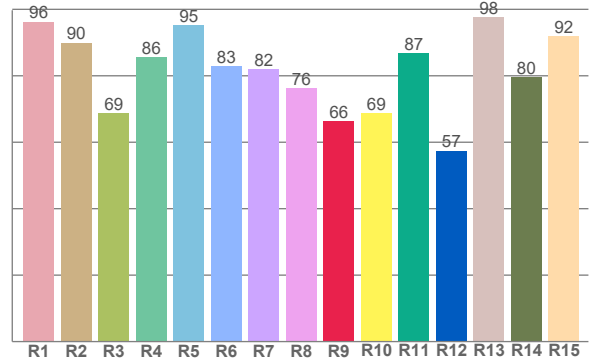
COLOR DETAILS



TM30: 84,6



CRI: 84,6 (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
96,3	90,0	68,7	85,6	95,2	82,9	82,0	76,2	66,3	68,8	86,7	57,5	97,6	79,7	91,8

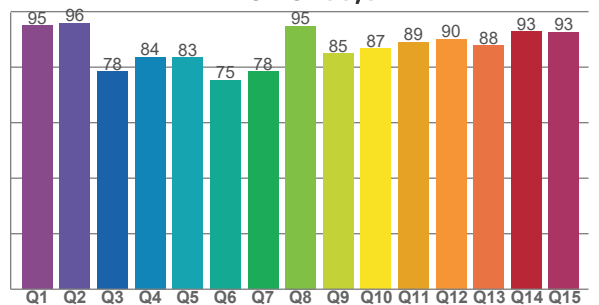
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
87,5	92,4	87,2	83,3	81,4	79,0	78,8	82,9	86,1	87,4	80,7	80,6	87,3	84,4	83,7	84,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,9	95,8	78,4	83,6	83,4	75,3	78,5	94,9	85,0	86,7	89,1	90,2	87,8	92,8	92,6

CQS: 85,6



COLOR PARAMETERS

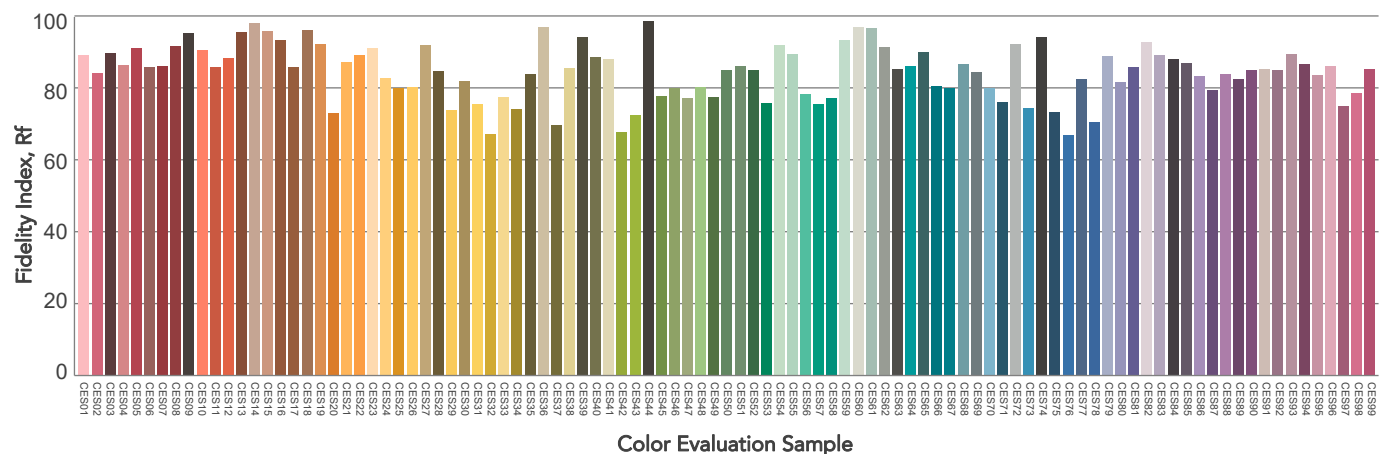
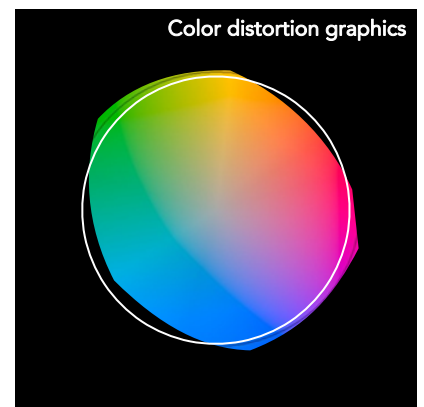
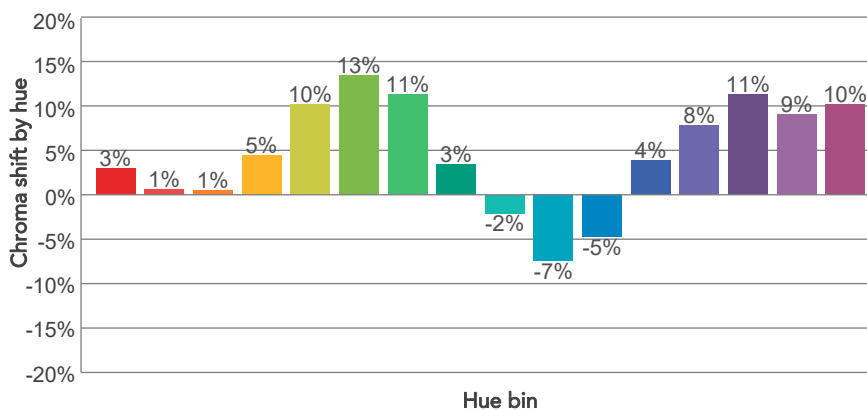
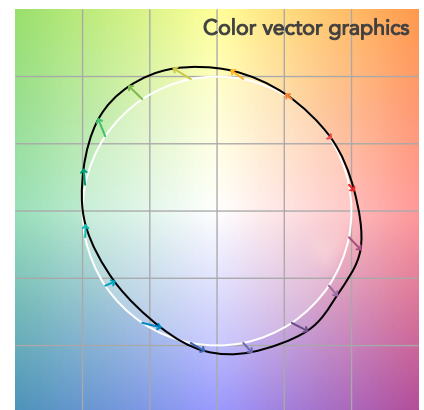
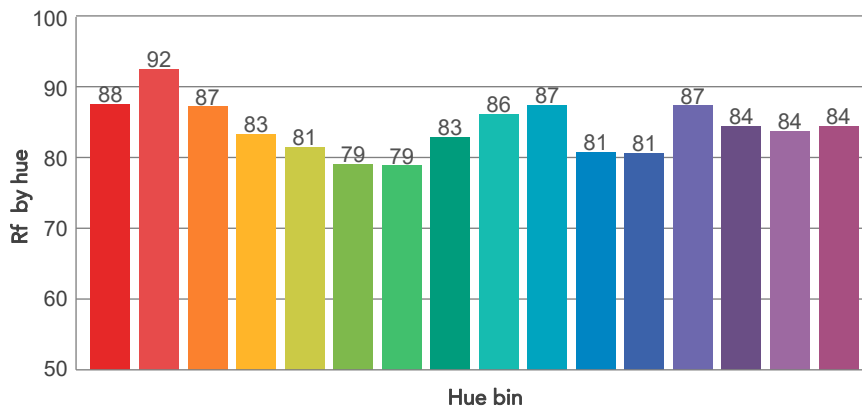
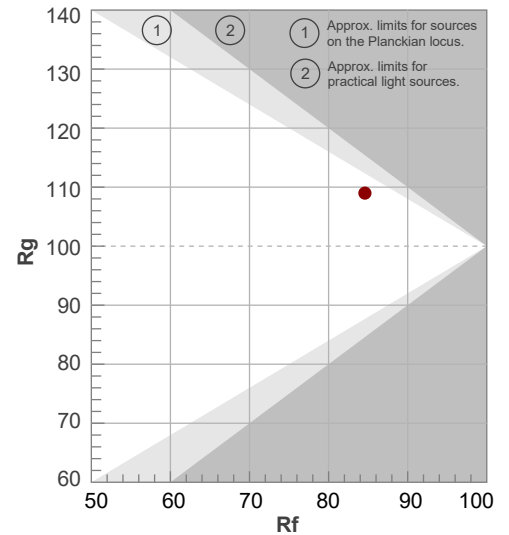
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2947 K	84,6	66,3	84,6	109,0	85,6	71	0,447	0,417	0,0039

TM30 DETAILS

Rf 84,6
Fidelity index Rf

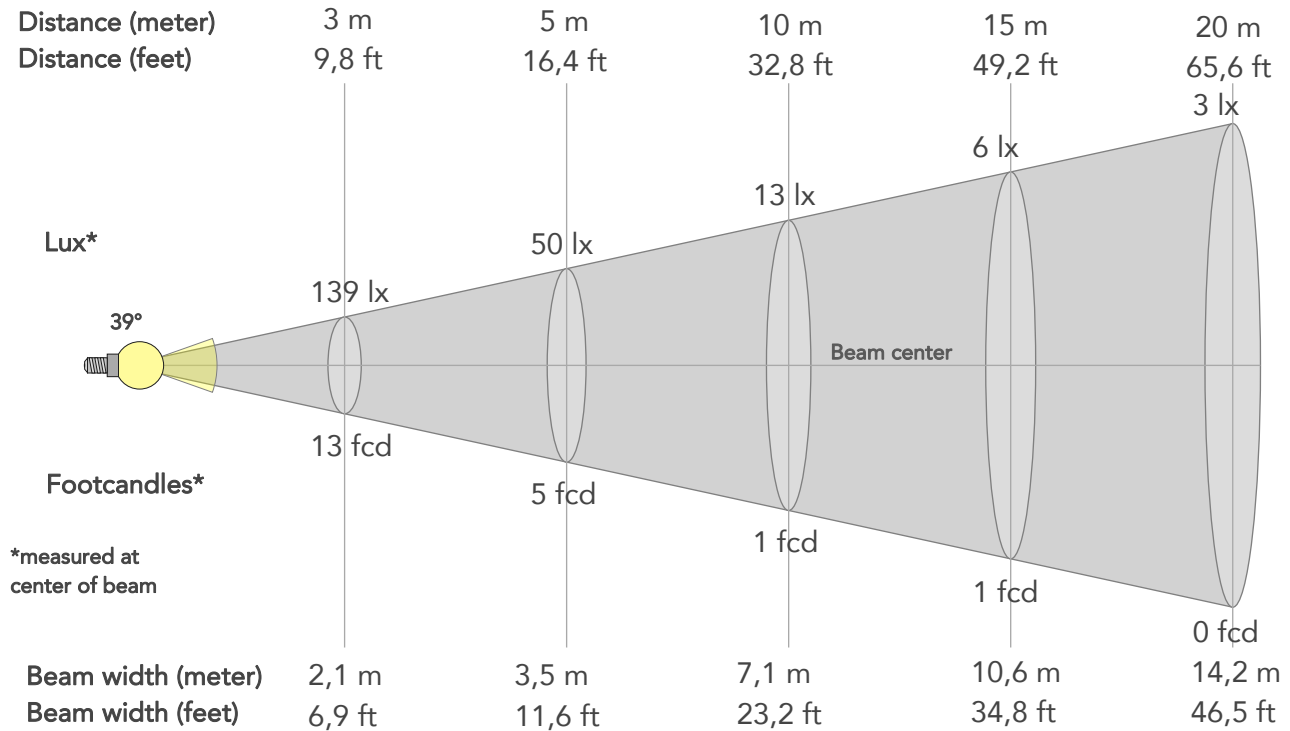
Rg 109,0
Gammut index

		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	88	3%	-5%
2	92	1%	-2%
3	87	1%	5%
4	83	5%	10%
5	81	10%	11%
6	79	13%	3%
7	79	11%	-8%
8	83	3%	-11%
9	86	-2%	-9%
10	87	-7%	1%
11	81	-5%	13%
12	81	4%	11%
13	87	8%	5%
14	84	11%	6%
15	84	9%	-3%
16	84	10%	-7%



BEAM DETAILS

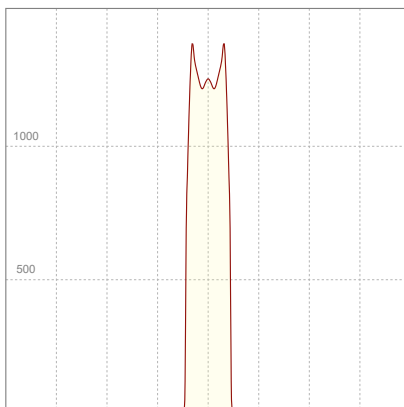
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39°	40,9°	42,4°	99,0%	98,6%



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	1252lx	313lx	139lx	78lx	50lx	22lx	13lx	6lx	3lx	2lx	1lx	1lx	1lx
Footcand.	116fcd	29fcd	13fcd	7fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,4m	2,1m	2,8m	3,5m	5,3m	7,1m	10,6m	14,2m	17,7m	21,2m	28,3m	35,4m
Beam wid.	2,3ft	4,7ft	6,9ft	9,3ft	11,6ft	17,4ft	23,2ft	34,8ft	46,5ft	58,1ft	69,7ft	92,9ft	116,2ft

LINEAR DISTRIBUTION DIAGRAM

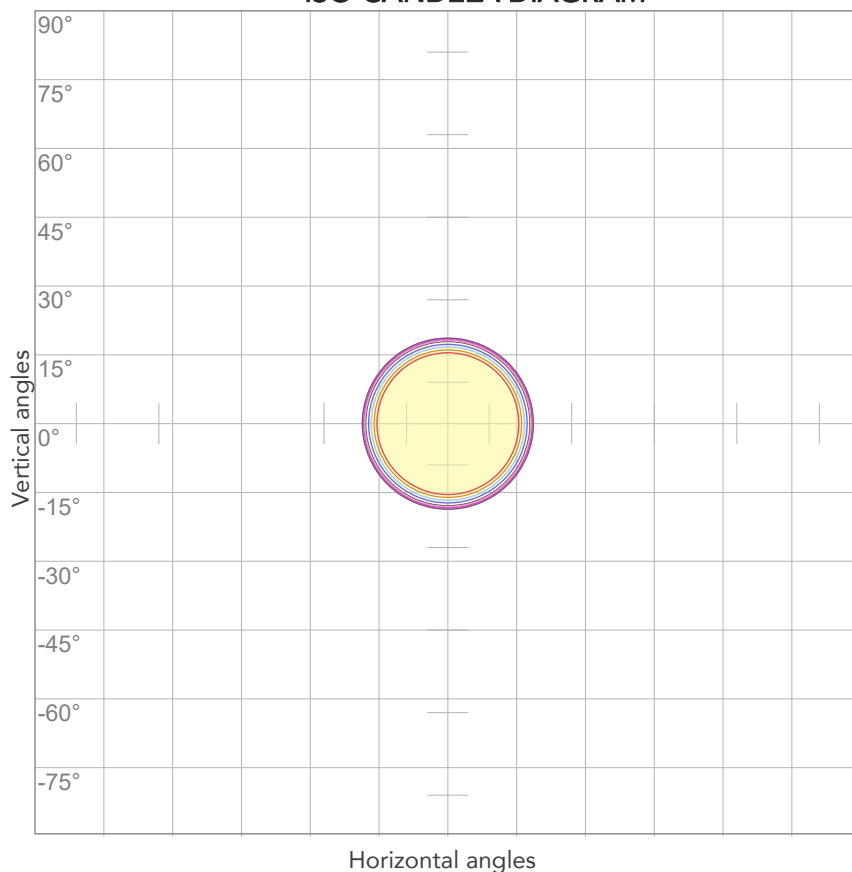


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,123A	23,1W	0,83	20lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



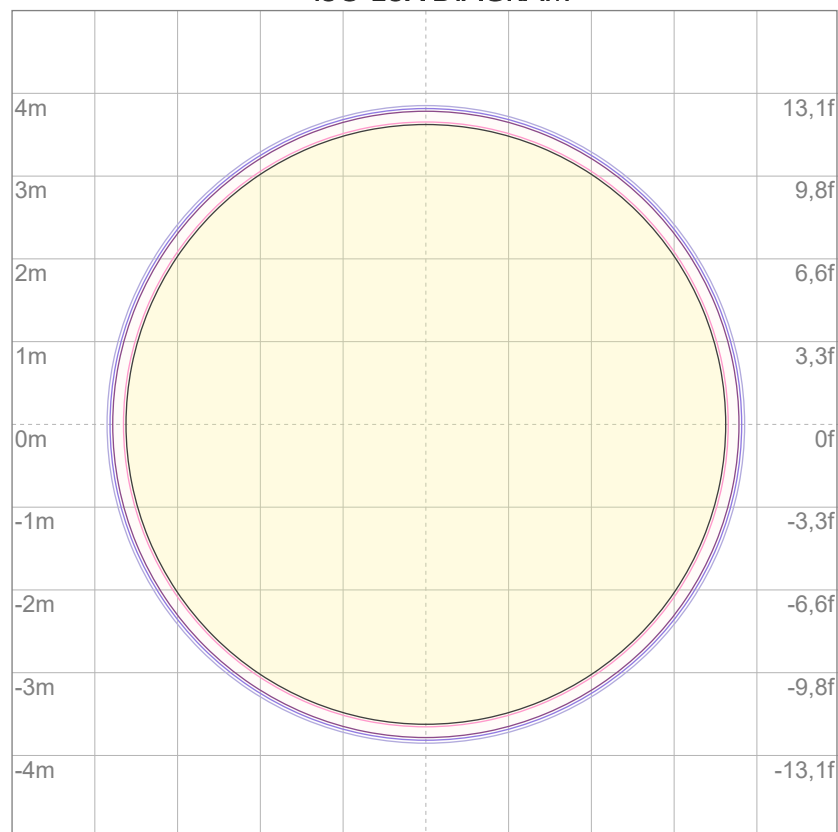
10%	125 cd
20%	250 cd
30%	376 cd
40%	501 cd
50%	626 cd
60%	751 cd
70%	876 cd
80%	1001 cd

Conditions:

Number of c-planes: 2

Candela at center: 1252 cd

ISO LUX DIAGRAM



3%	0,376 lx
5%	0,626 lx
10%	1,25 lx
30%	3,76 lx
50%	6,26 lx

Conditions:

Number of c-planes: 2

Lux at center: 12,5 lx

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



Total lumen output:

527 lm

Peak candela output:

6745 cd

Light quality:

CRI: 84,2

Color temperature:

2913 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 Lens - Min Zoom

Target:

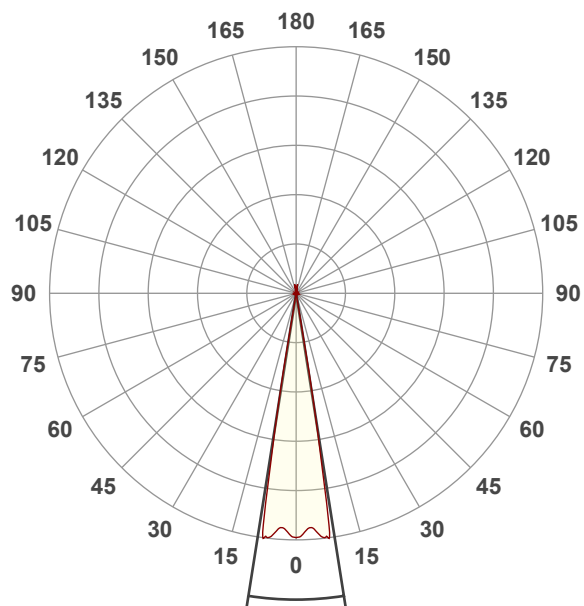
2800K

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 17:26:14

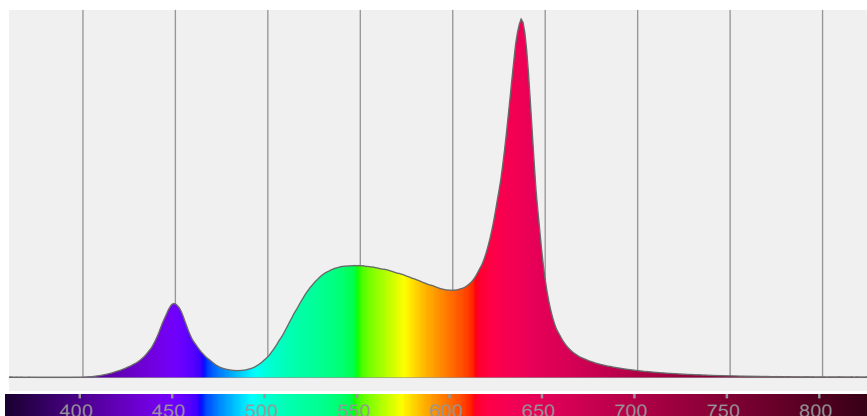


Beam angle 50%: 17,9°

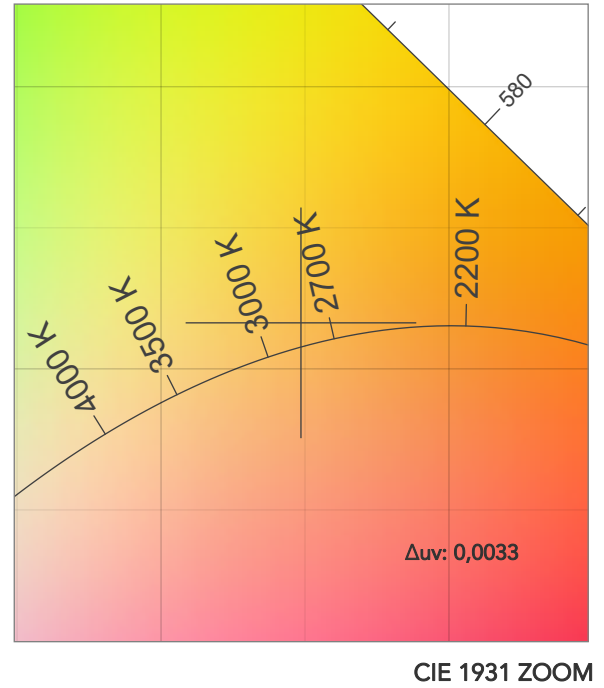
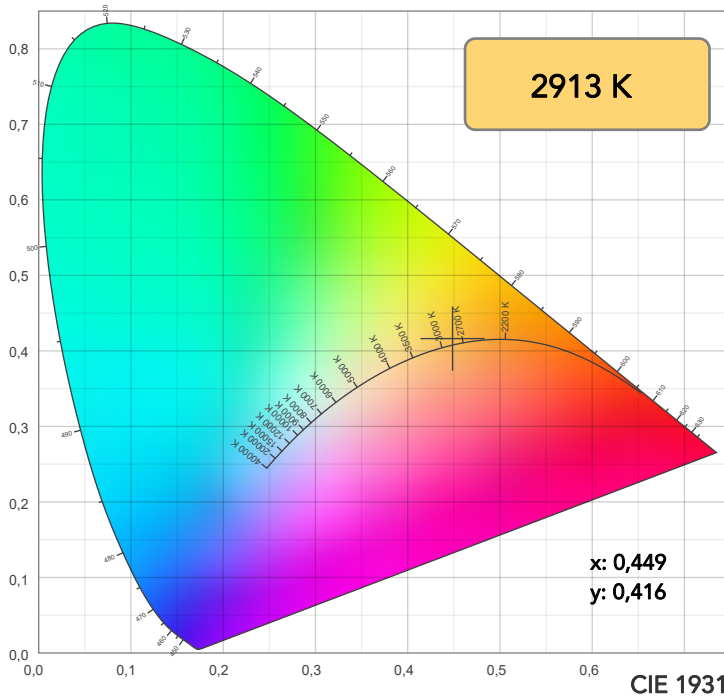
Field angle 10%: 19,7°

Cut off angle 2.5%: 20°

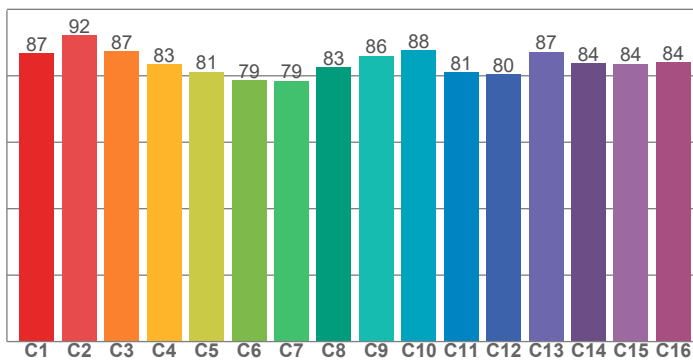
Spectra



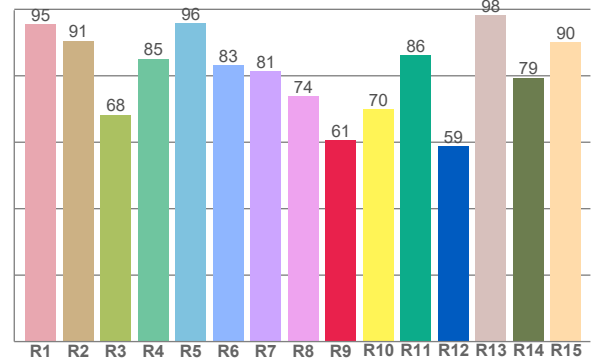
COLOR DETAILS



TM30: 84,5



CRI: 84,2 (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
95,5	90,6	68,3	85,2	95,7	83,3	81,4	73,8	60,7	70,0	86,3	58,7	98,2	79,4	90,2

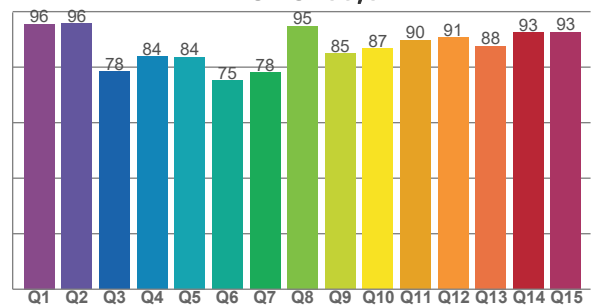
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
86,8	92,2	87,4	83,4	81,3	78,7	78,5	82,6	86,0	87,7	81,1	80,4	87,2	83,8	83,6	84,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,5	95,7	78,4	83,9	83,6	75,2	78,1	94,8	84,8	86,7	89,9	90,6	87,6	92,5	92,7

CQS: 85,6



COLOR PARAMETERS

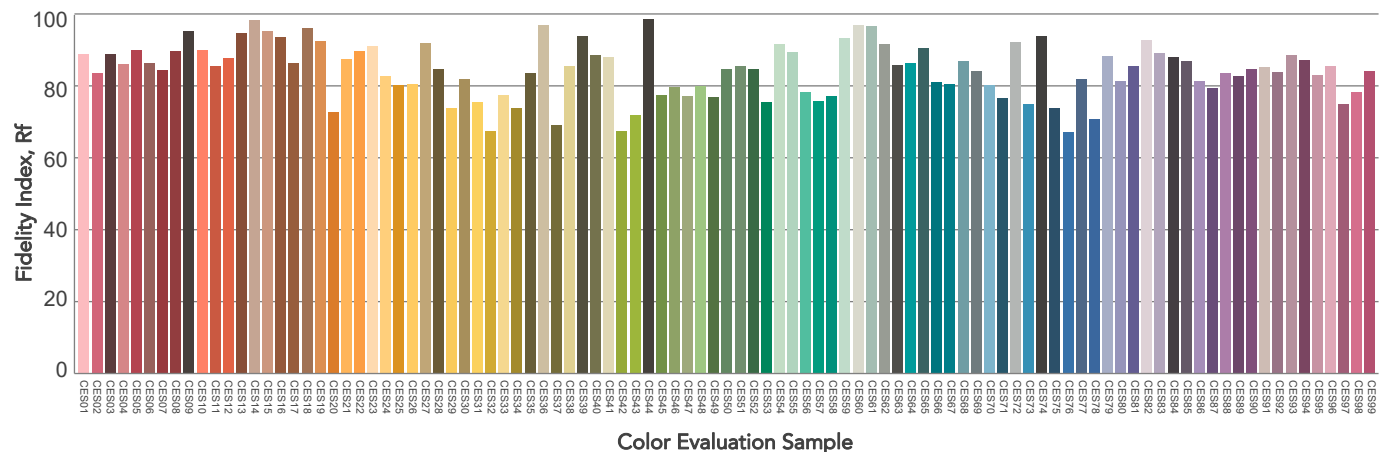
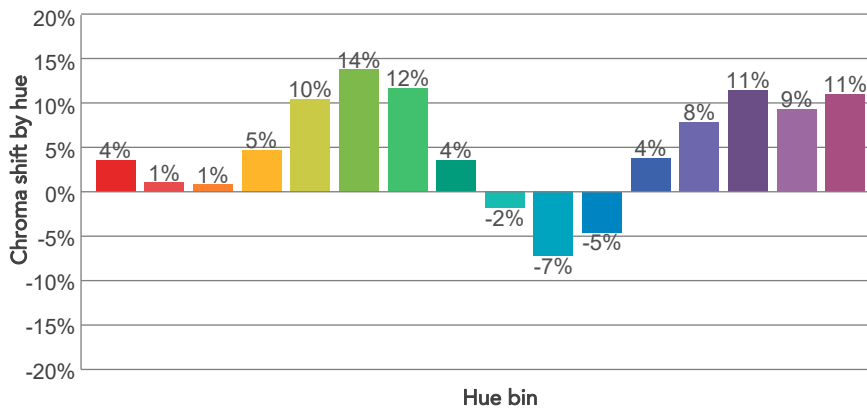
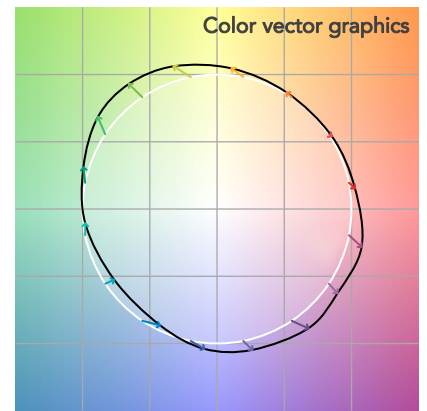
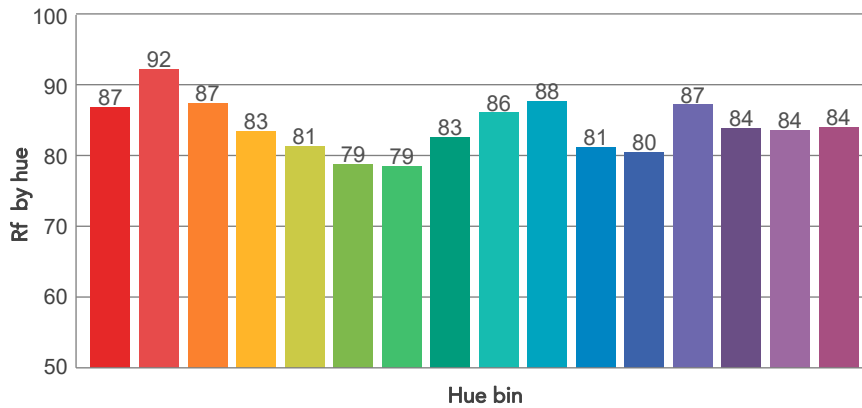
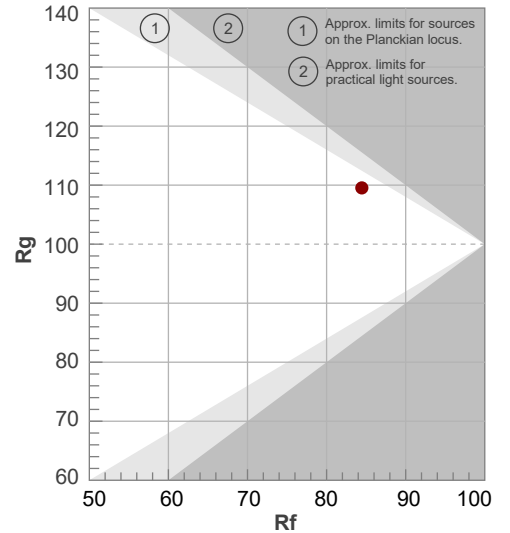
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2913 K	84,2	60,7	84,5	109,5	85,6	71	0,449	0,416	0,0033

TM30 DETAILS

Rf 84,5
Fidelity index Rf

Rg 109,5
Gammut index

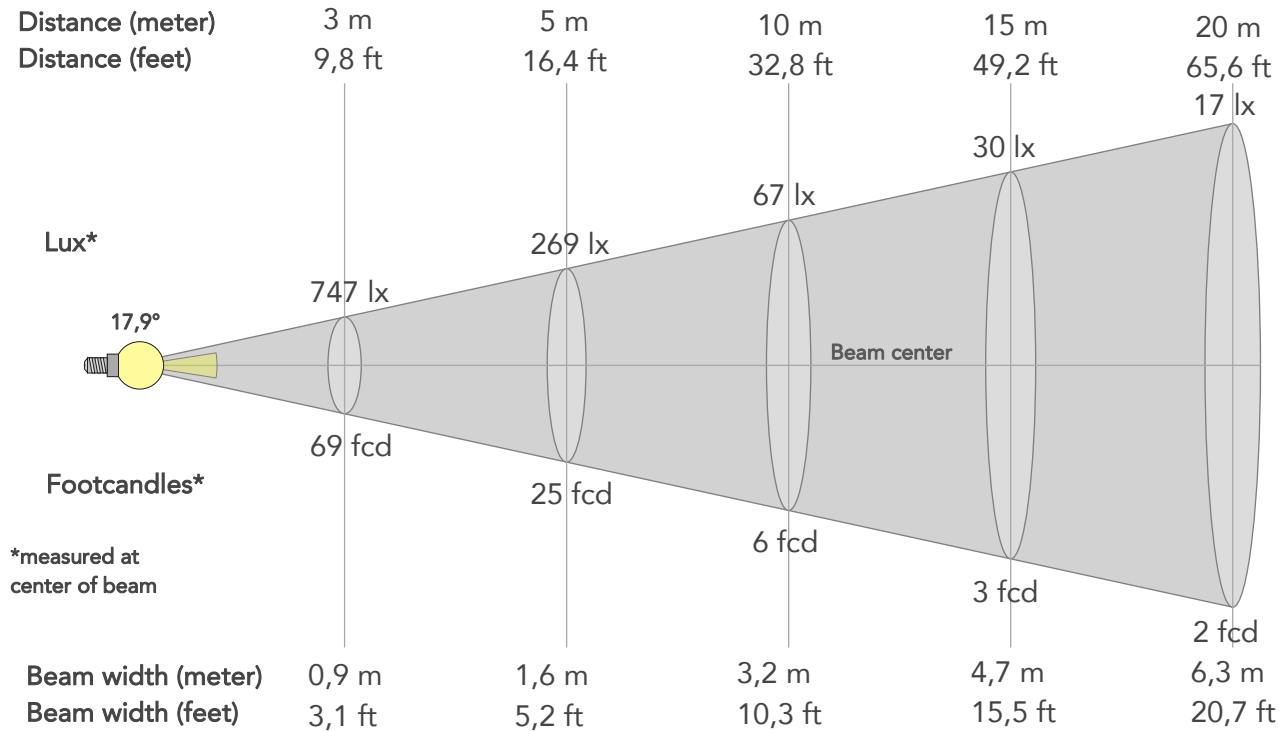
		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	87	4%	-5%
2	92	1%	-2%
3	87	1%	5%
4	83	5%	10%
5	81	10%	11%
6	79	14%	3%
7	79	12%	-8%
8	83	4%	-11%
9	86	-2%	-9%
10	88	-7%	1%
11	81	-5%	13%
12	80	4%	11%
13	87	8%	5%
14	84	11%	7%
15	84	9%	-2%
16	84	11%	-7%



BEAM DETAILS



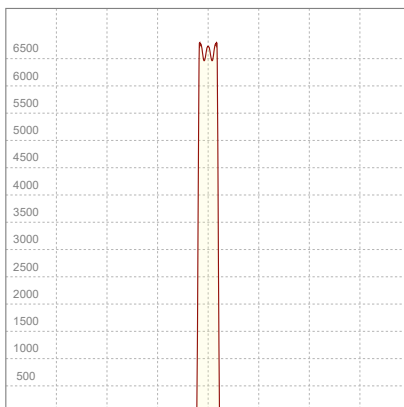
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,9°	19,7°	20°	98,8%	98,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6722lx	1680lx	747lx	420lx	269lx	119lx	67lx	30lx	17lx	11lx	7lx	4lx	3lx
Footcand.	624fcd	156fcd	69fcd	39fcd	25fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,3m	1,6m	2,4m	3,2m	4,7m	6,3m	7,9m	9,5m	12,6m	15,8m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,2ft	7,8ft	10,3ft	15,5ft	20,7ft	25,9ft	31ft	41,4ft	51,7ft

LINEAR DISTRIBUTION DIAGRAM

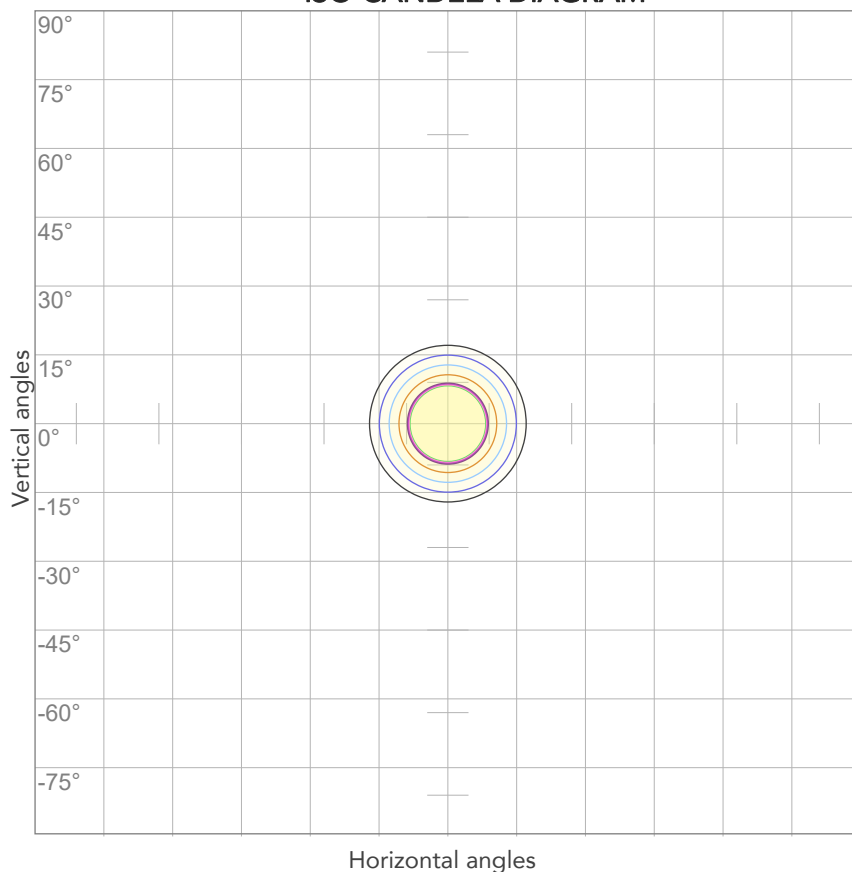


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,126A	23,4W	0,82	22lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



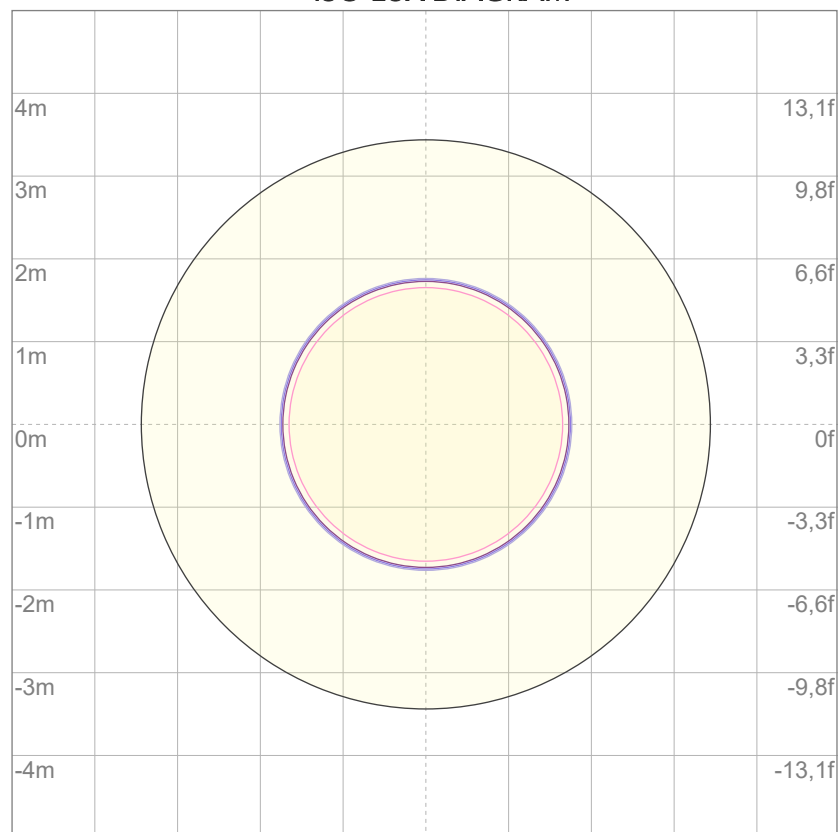
10%	672 cd
20%	1344 cd
30%	2017 cd
40%	2689 cd
50%	3361 cd
60%	4033 cd
70%	4705 cd
80%	5377 cd

Conditions:

Number of c-planes: 2

Candela at center: 6722 cd

ISO LUX DIAGRAM



3%	2,02 lx
5%	3,36 lx
10%	6,72 lx
30%	20,2 lx
50%	33,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 67,2 lx

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



Total lumen output:

507 lm

Peak candela output:

1534 cd

Light quality:

CRI: 84,2

Color temperature:

3198 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 Lens - Max Zoom

Target:

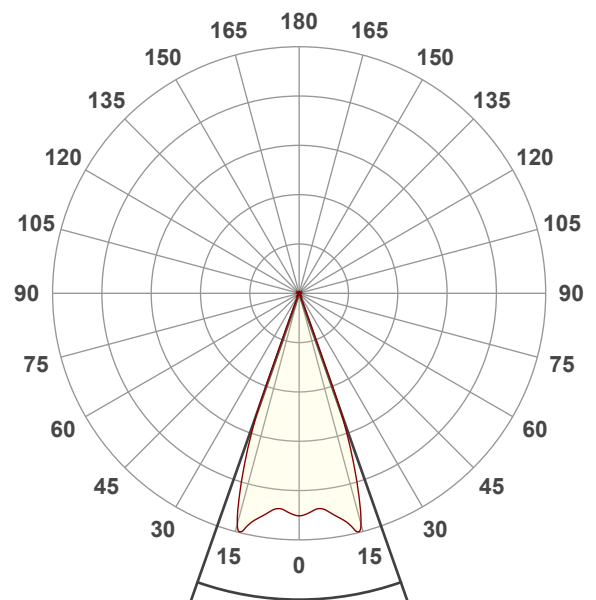
3200K

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 16:29:58

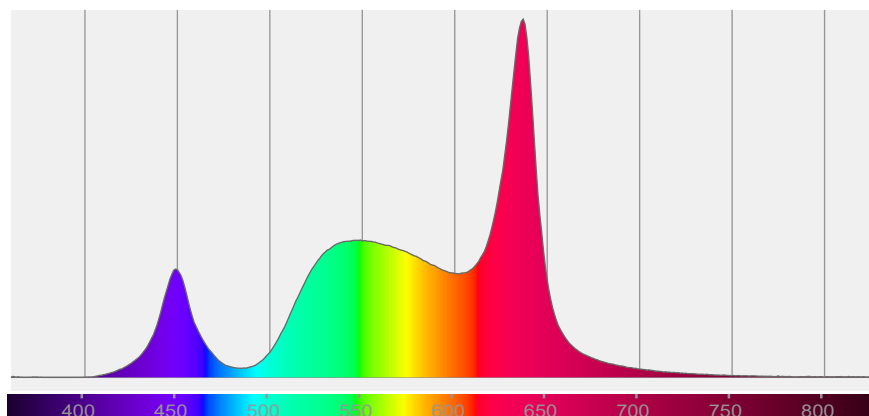


Beam angle 50%: 38,8°

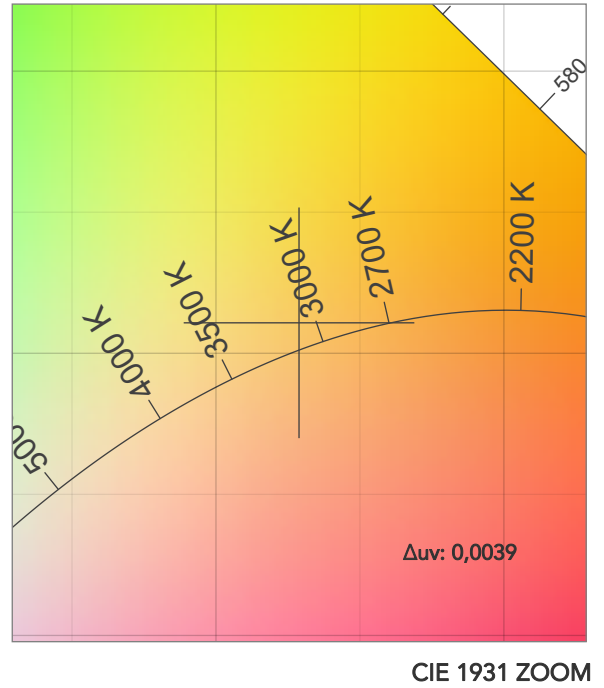
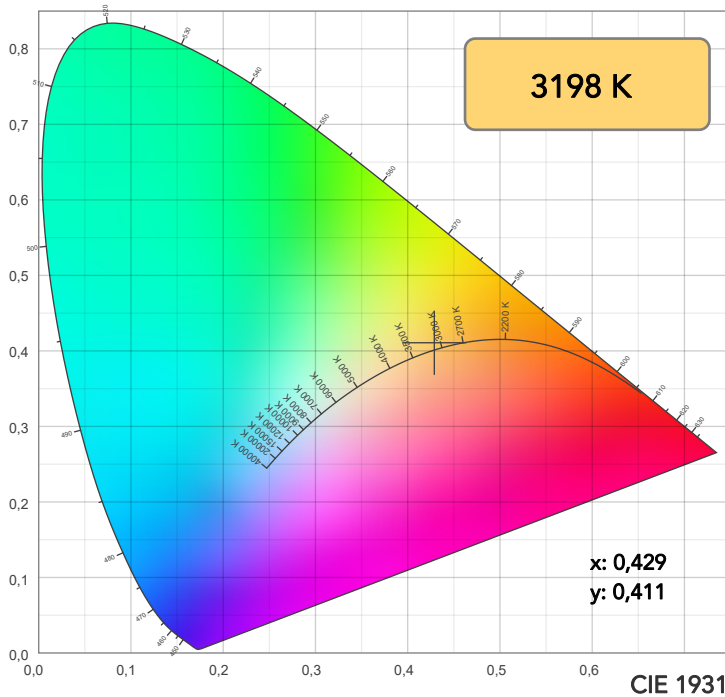
Field angle 10%: 41,2°

Cut off angle 2.5%: 42,6°

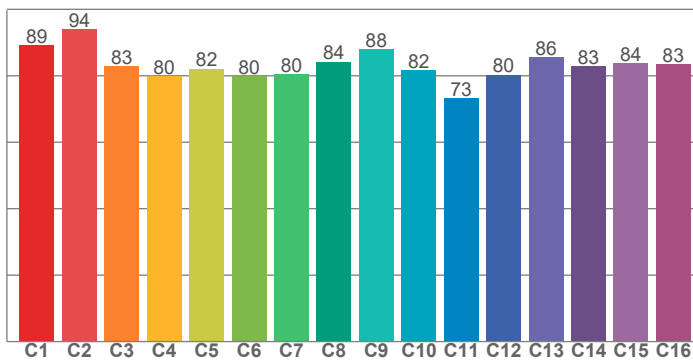
Spectra



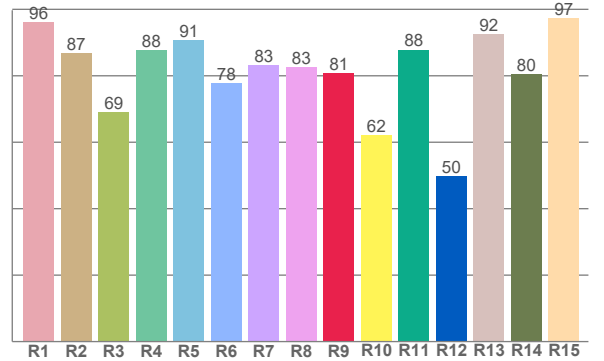
COLOR DETAILS



TM30: 83,5



CRI: 84,2 (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
96,1	86,7	69,2	87,6	90,6	77,8	83,2	82,7	80,8	62,0	87,8	49,9	92,5	80,4	97,3

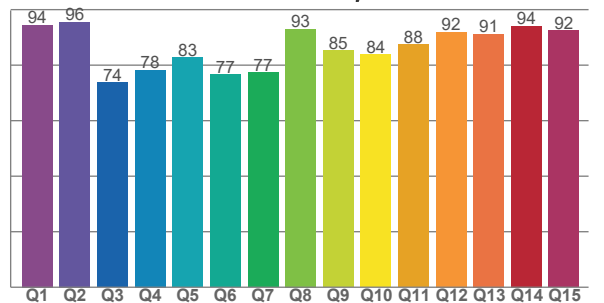
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,3	94,1	82,8	79,8	82,1	79,8	80,5	84,3	88,1	81,6	73,3	80,3	85,5	82,9	83,7	83,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,5	95,6	73,8	78,3	82,8	76,7	77,4	93,0	85,2	83,9	87,5	91,9	91,3	94,1	92,4

CQS: 84,6



COLOR PARAMETERS

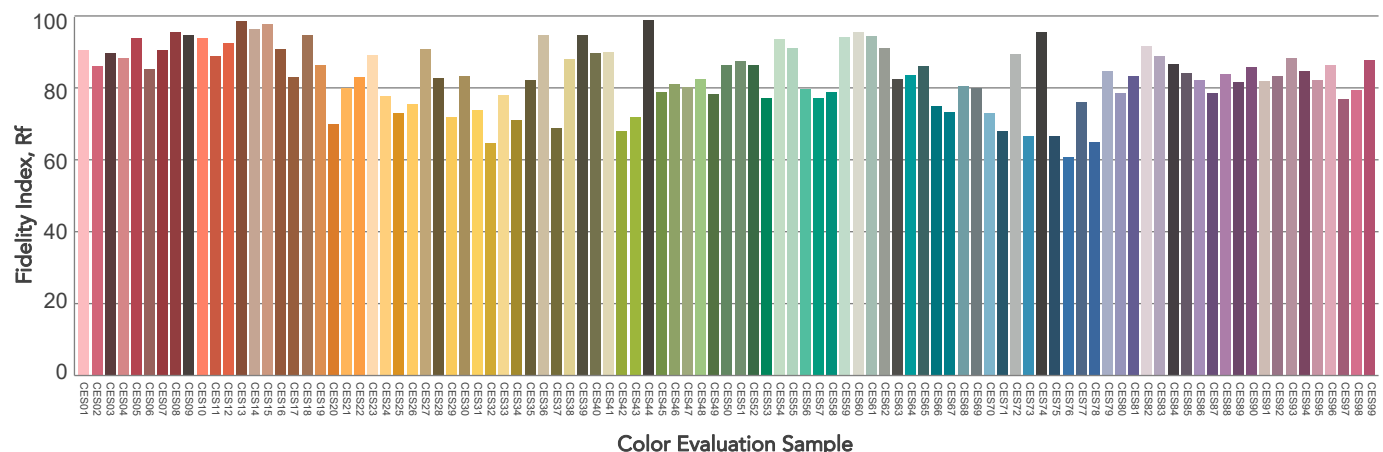
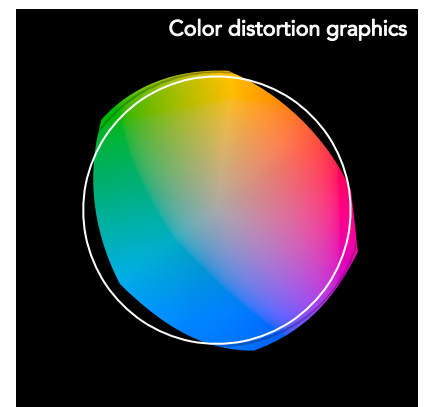
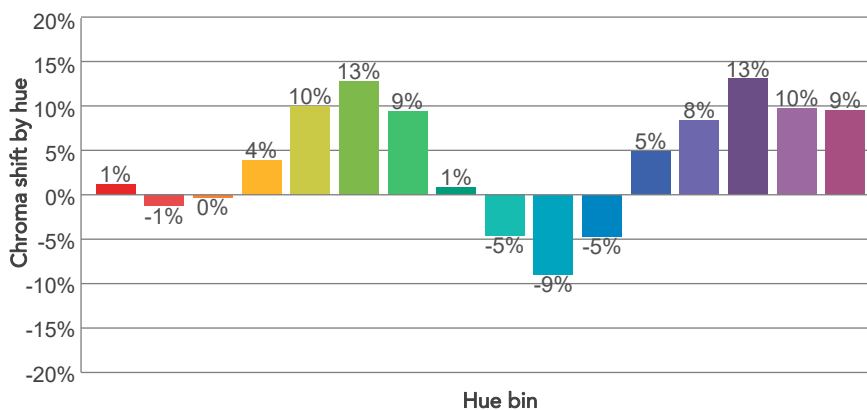
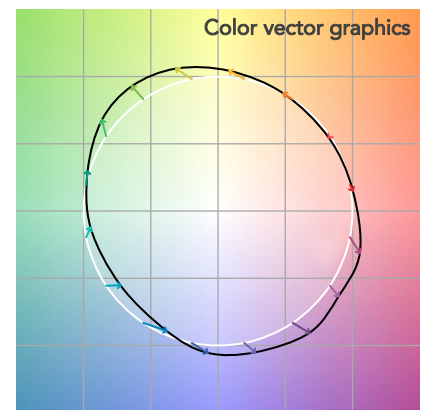
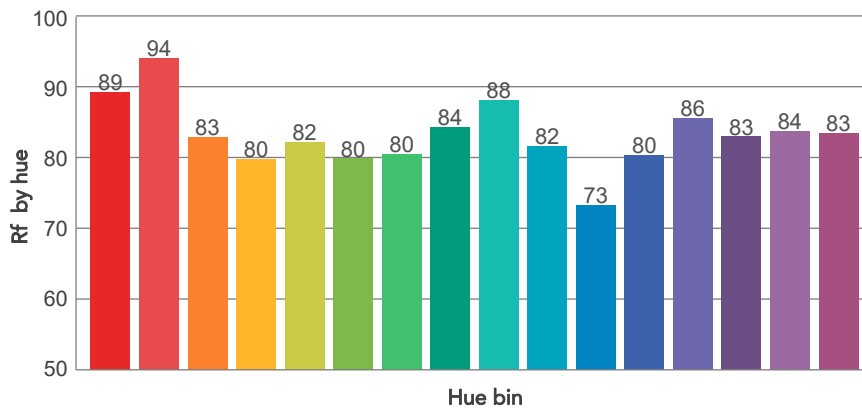
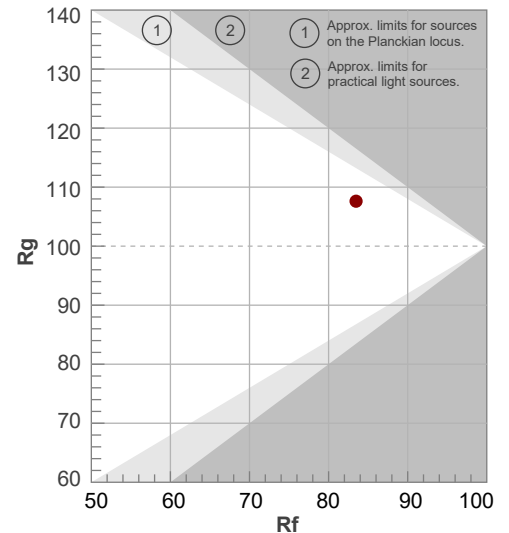
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3198 K	84,2	80,8	83,5	107,6	84,6	72	0,429	0,411	0,0039

TM30 DETAILS

Rf 83,5
Fidelity index Rf

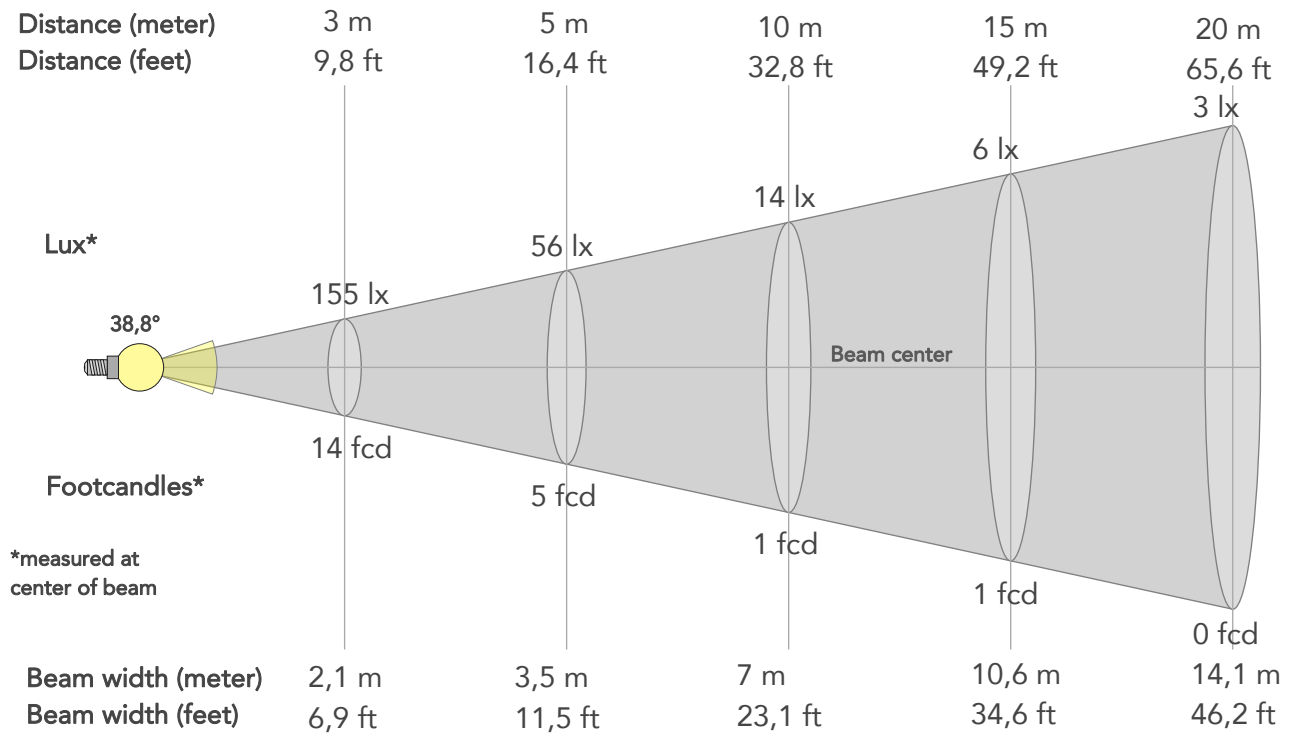
Rg 107,6
Gammut index

		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	89	1%	-5%
2	94	-1%	0%
3	83	0%	8%
4	80	4%	12%
5	82	10%	10%
6	80	13%	2%
7	80	9%	-8%
8	84	1%	-10%
9	88	-5%	-6%
10	82	-9%	6%
11	73	-5%	18%
12	80	5%	13%
13	86	8%	7%
14	83	13%	6%
15	84	10%	-3%
16	83	9%	-10%



BEAM DETAILS

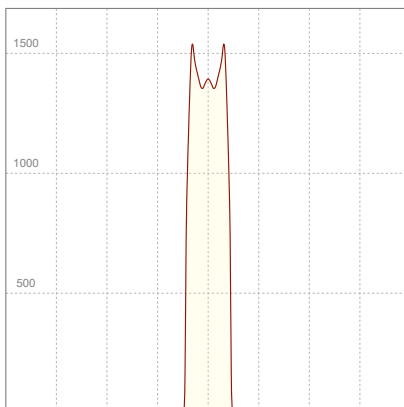
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38,8°	41,2°	42,6°	99,1%	98,8%



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	1392lx	348lx	155lx	87lx	56lx	25lx	14lx	6lx	3lx	2lx	2lx	1lx	1lx
Footcand.	129fcd	32fcd	14fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,4m	2,1m	2,8m	3,5m	5,3m	7m	10,6m	14,1m	17,6m	21,1m	28,2m	35,2m
Beam wid.	2,3ft	4,6ft	6,9ft	9,2ft	11,5ft	17,3ft	23,1ft	34,6ft	46,2ft	57,7ft	69,3ft	92,4ft	115,4ft

LINEAR DISTRIBUTION DIAGRAM

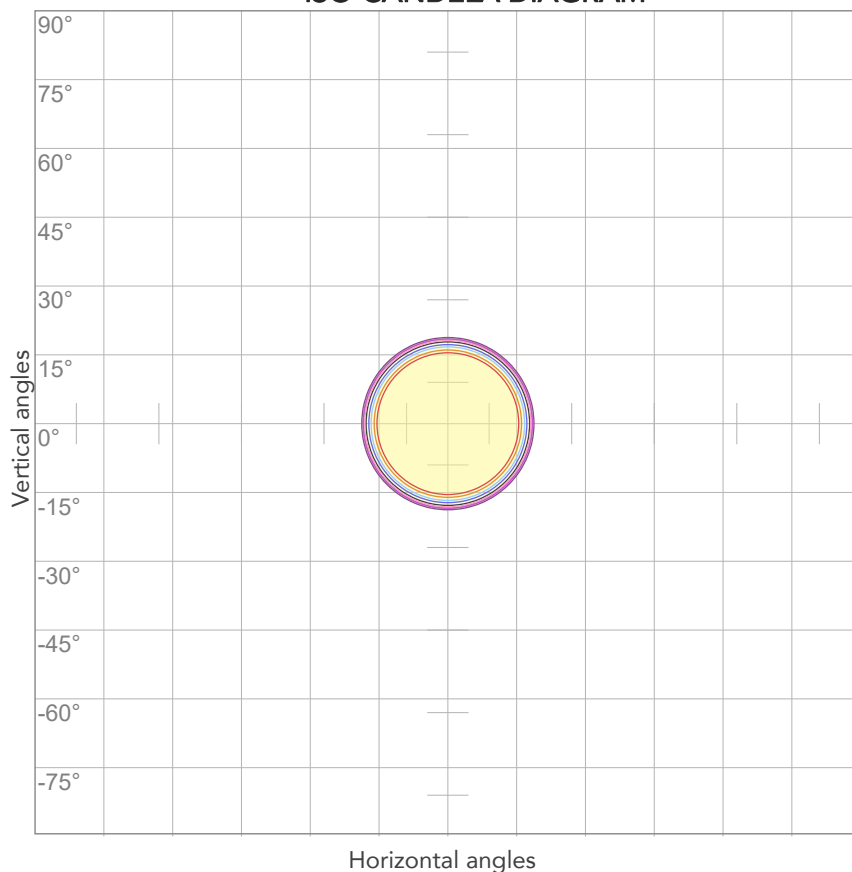


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,134A	25,8W	0,85	20lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



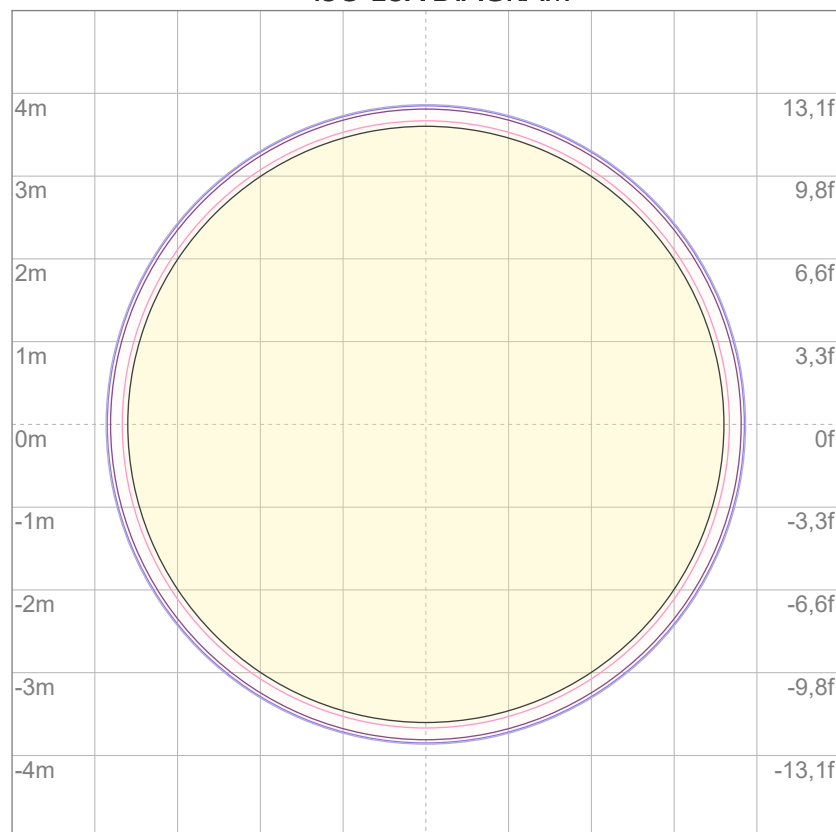
10%	139 cd
20%	278 cd
30%	418 cd
40%	557 cd
50%	696 cd
60%	835 cd
70%	974 cd
80%	1113 cd

Conditions:

Number of c-planes: 2

Candela at center: 1392 cd

ISO LUX DIAGRAM



3%	0,418 lx
5%	0,696 lx
10%	1,39 lx
30%	4,18 lx
50%	6,96 lx

Conditions:

Number of c-planes: 2

Lux at center: 13,9 lx

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



Total lumen output:

589 lm

Peak candela output:

7602 cd

Light quality:

CRI: 84,1

Color temperature:

3210 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 Lens - Min Zoom

Target:

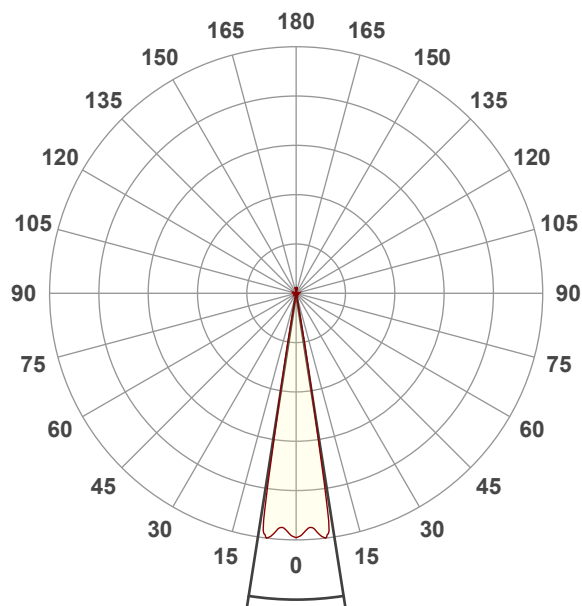
3200K

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 17:24:03

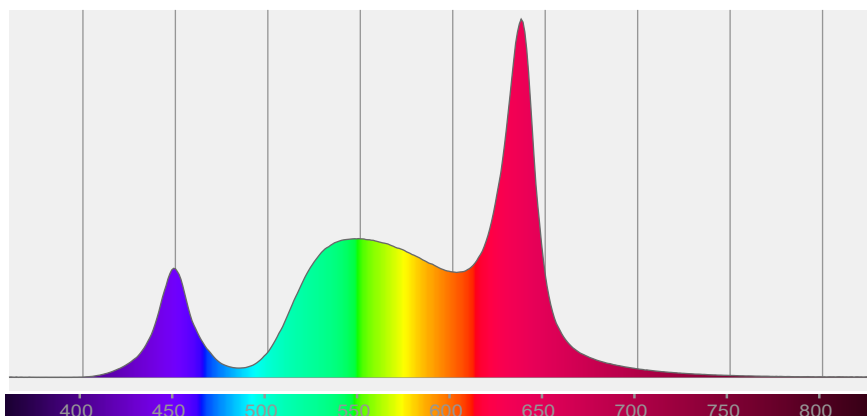


Beam angle 50%: 17,8°

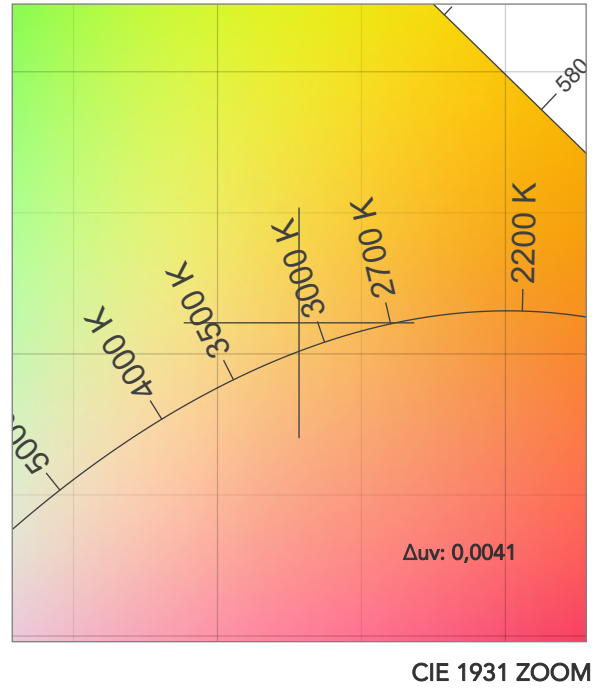
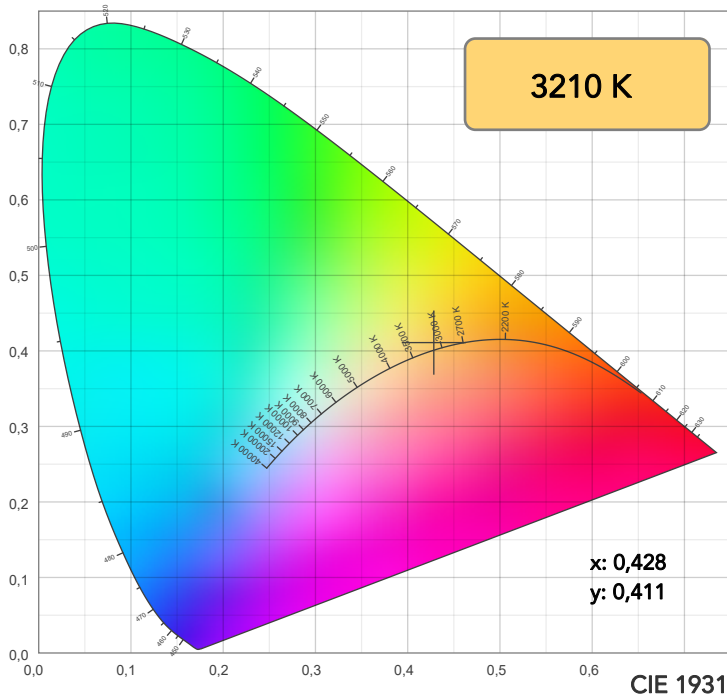
Field angle 10%: 19,8°

Cut off angle 2.5%: 20,3°

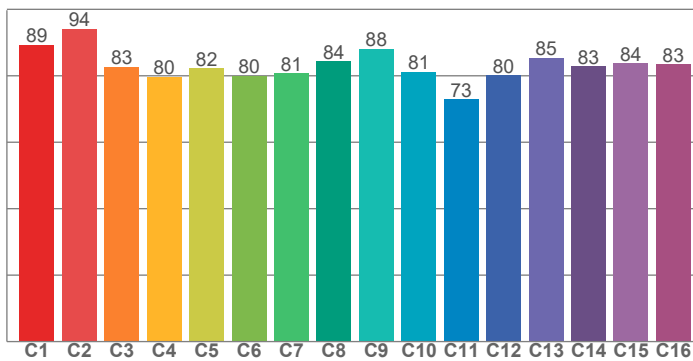
Spectra



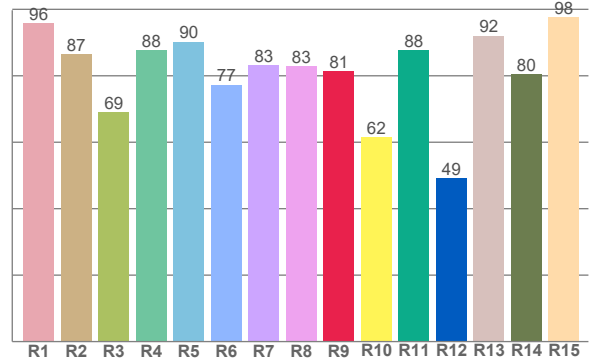
COLOR DETAILS



TM30: 83,4



CRI: 84,1 (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
95,8	86,5	69,1	87,7	90,2	77,3	83,2	82,9	81,3	61,5	87,8	49,3	92,1	80,4	97,6

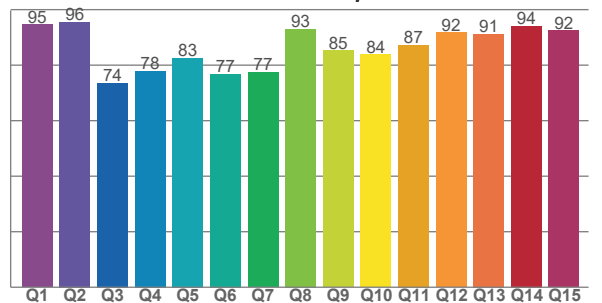
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,3	94,1	82,7	79,8	82,2	80,0	80,7	84,4	88,1	81,2	73,0	80,1	85,4	82,8	83,7	83,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,6	95,5	73,6	78,0	82,6	76,8	77,4	93,0	85,2	83,8	87,3	91,7	91,3	94,0	92,4

CQS: 84,5



COLOR PARAMETERS

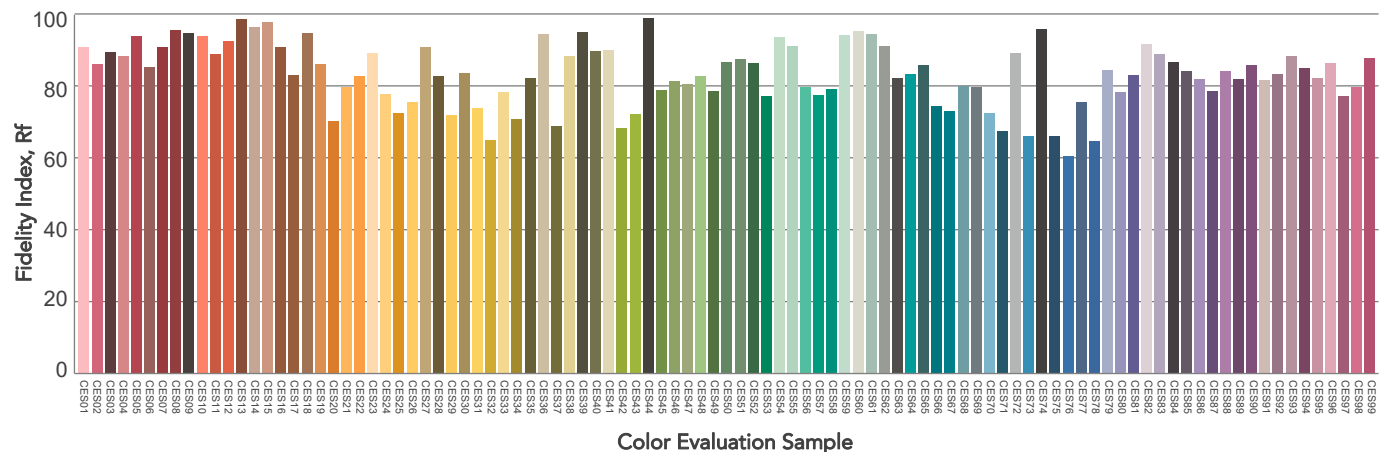
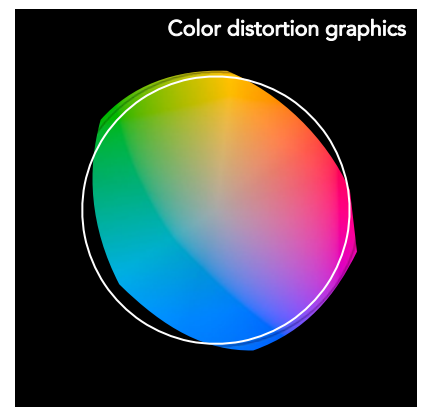
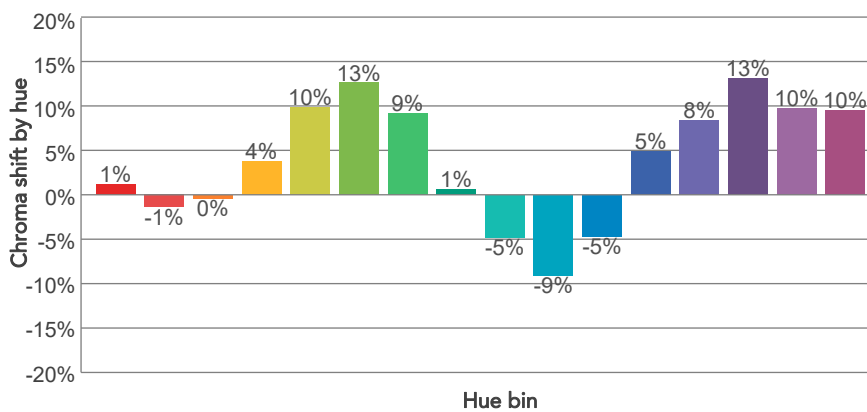
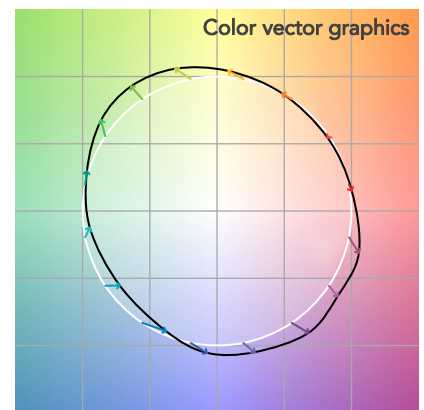
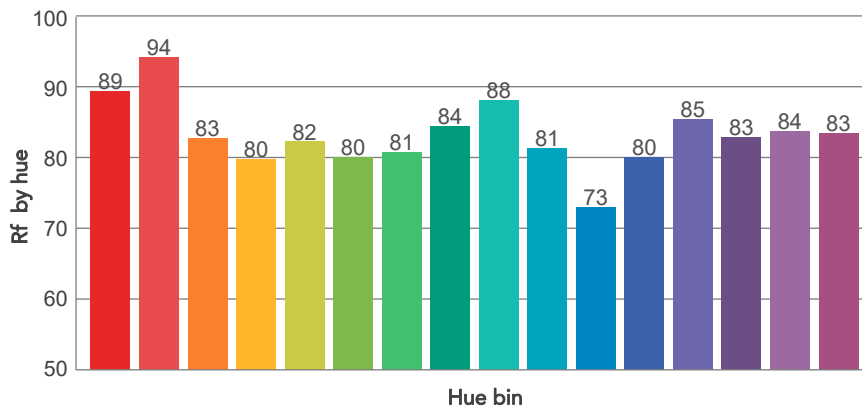
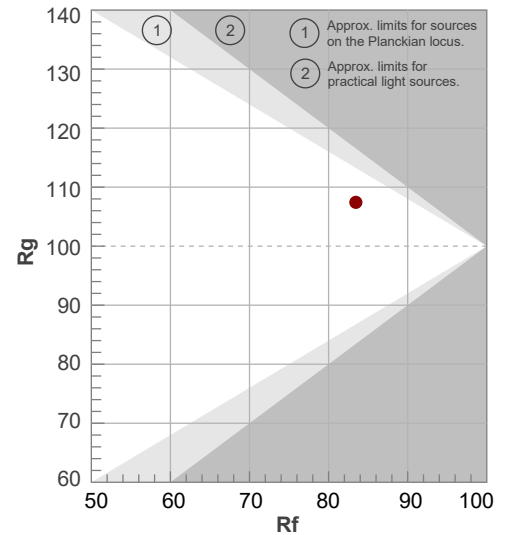
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3210 K	84,1	81,3	83,4	107,4	84,5	72	0,428	0,411	0,0041

TM30 DETAILS

Rf 83,4
Fidelity index Rf

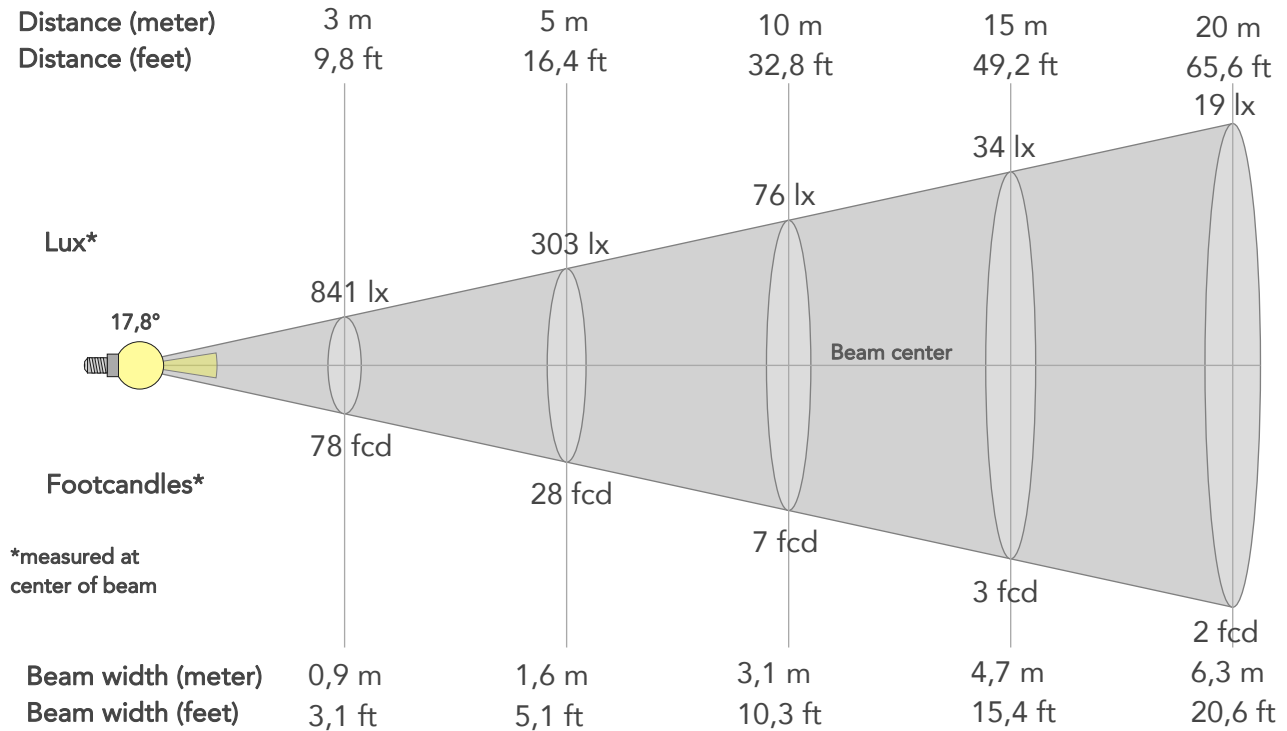
Rg 107,4
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	1%	-5%
2	94	-1%	0%
3	83	0%	8%
4	80	4%	12%
5	82	10%	10%
6	80	13%	2%
7	81	9%	-8%
8	84	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%	6%
15	84	10%	-3%
16	83	10%	-10%



BEAM DETAILS

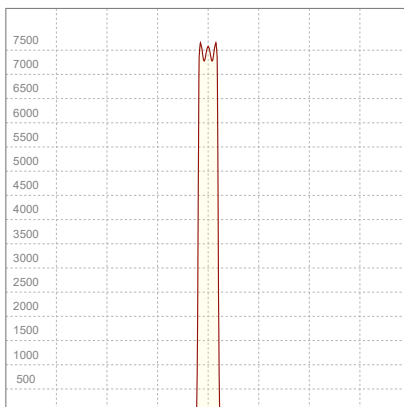
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,8°	19,8°	20,3°	98,9%	98,5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	7570lx	1892lx	841lx	473lx	303lx	135lx	76lx	34lx	19lx	12lx	8lx	5lx	3lx
Footcand.	703fcd	176fcd	78fcd	44fcd	28fcd	13fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,3m	1,6m	2,4m	3,1m	4,7m	6,3m	7,8m	9,4m	12,5m	15,7m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,1ft	7,7ft	10,3ft	15,4ft	20,6ft	25,7ft	30,9ft	41,2ft	51,4ft

LINEAR DISTRIBUTION DIAGRAM

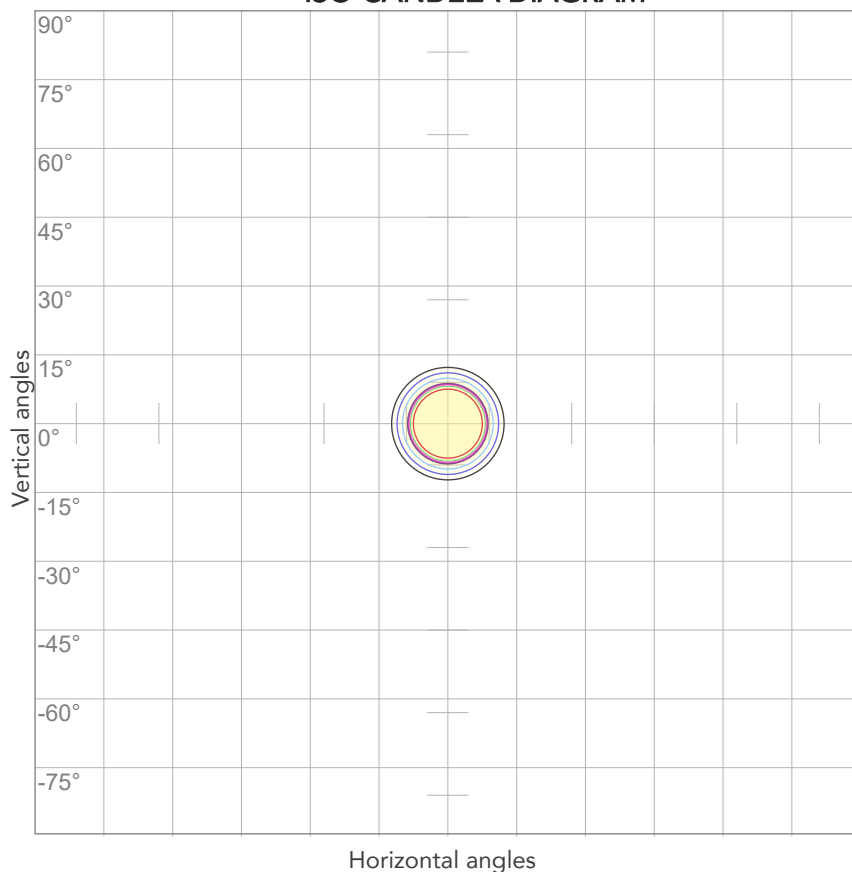


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,135A	25,8W	0,85	23lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



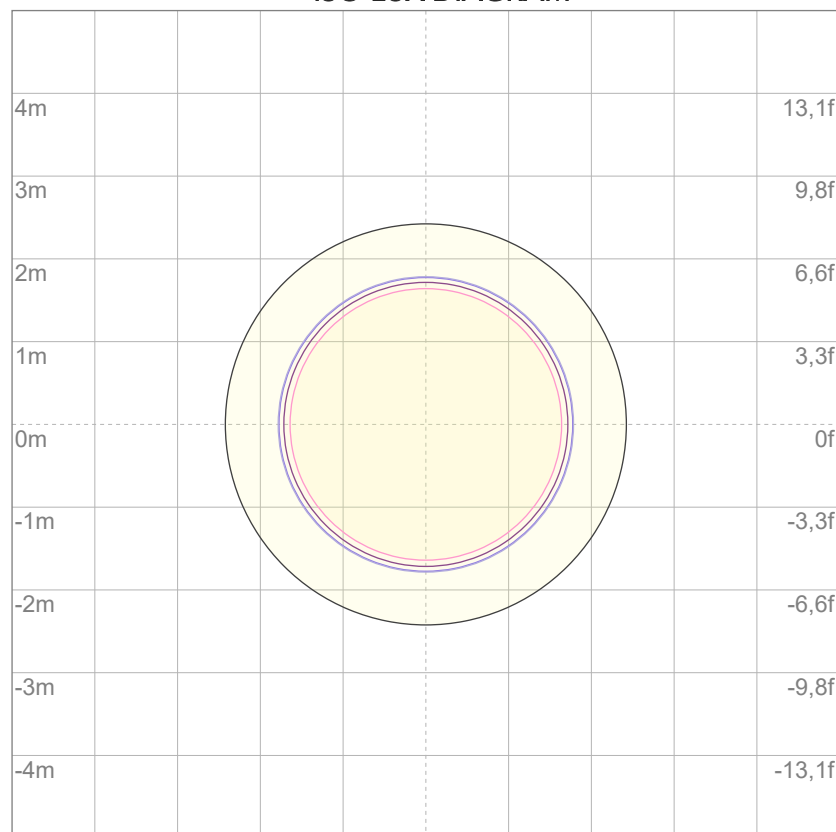
10%	757 cd
20%	1514 cd
30%	2271 cd
40%	3028 cd
50%	3785 cd
60%	4542 cd
70%	5299 cd
80%	6056 cd

Conditions:

Number of c-planes: 2

Candela at center: 7570 cd

ISO LUX DIAGRAM



3%	2,27 lx
5%	3,78 lx
10%	7,57 lx
30%	22,7 lx
50%	37,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 75,7 lx

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



Total lumen output:

494 lm

Peak candela output:

1508 cd

Light quality:

CRI: 82,1

Color temperature:

4017 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 Lens - Max Zoom

Target:

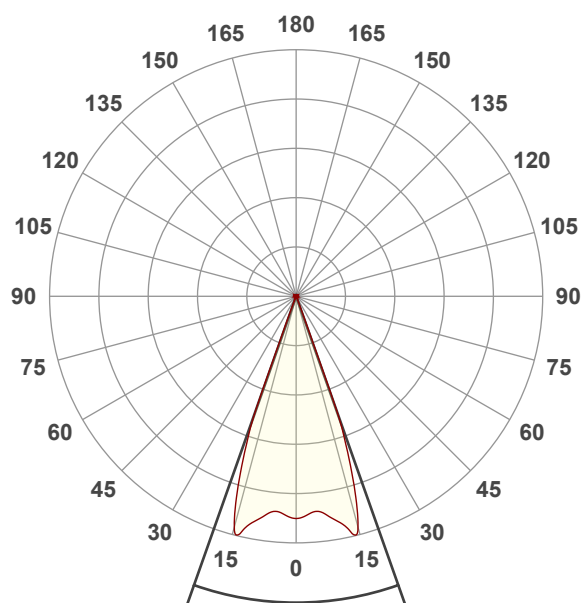
4000K

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 16:38:07

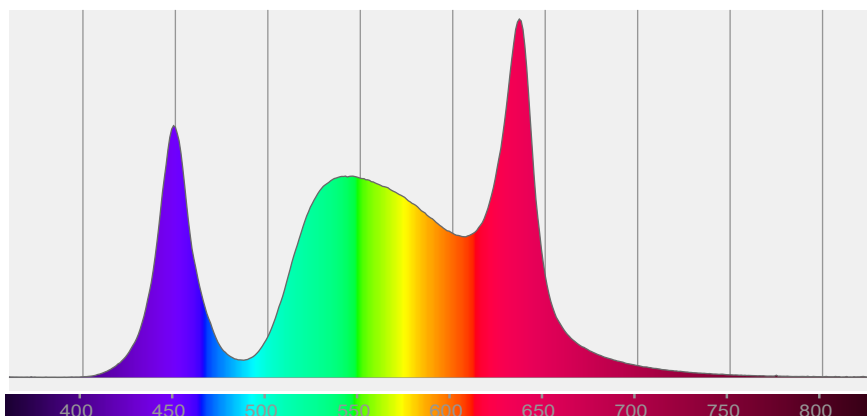


Beam angle 50%: 39°

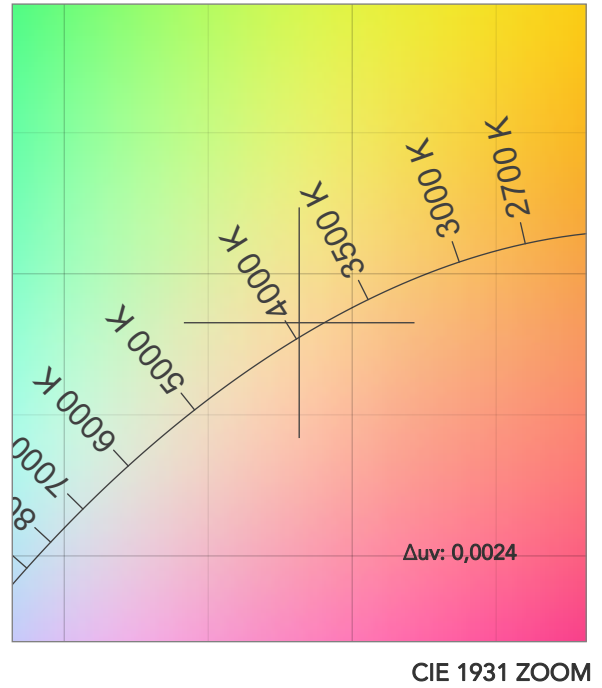
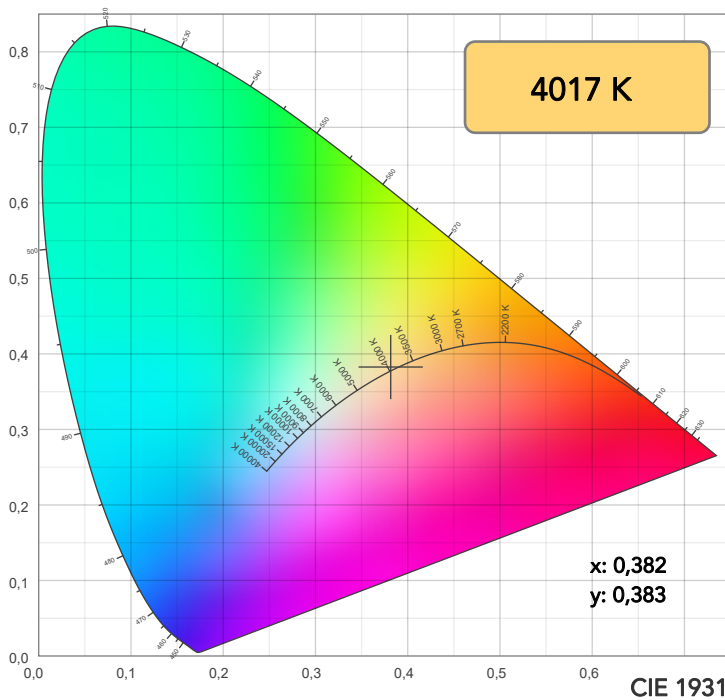
Field angle 10%: 41°

Cut off angle 2.5%: 42,5°

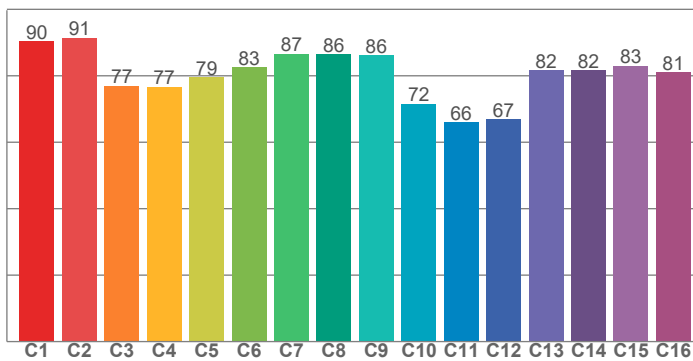
Spectra



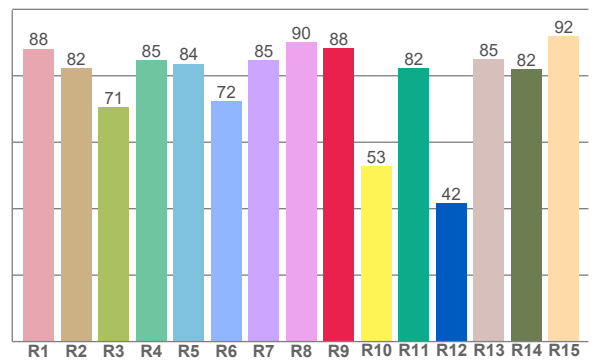
COLOR DETAILS



TM30: 80,5



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
88,2	82,3	70,6	84,7	83,6	72,3	84,6	90,2	88,3	52,9	82,2	41,7	85,1	81,9	92,0

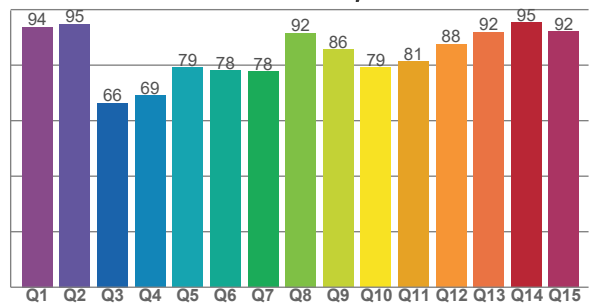
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,4	91,5	77,0	76,7	79,5	82,5	86,7	86,4	86,1	71,5	66,0	66,9	81,6	81,6	83,1	81,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,8	94,8	66,4	69,0	79,1	78,0	77,7	91,6	85,6	79,2	81,2	87,7	91,9	95,3	92,2

CQS: 81,9



COLOR PARAMETERS

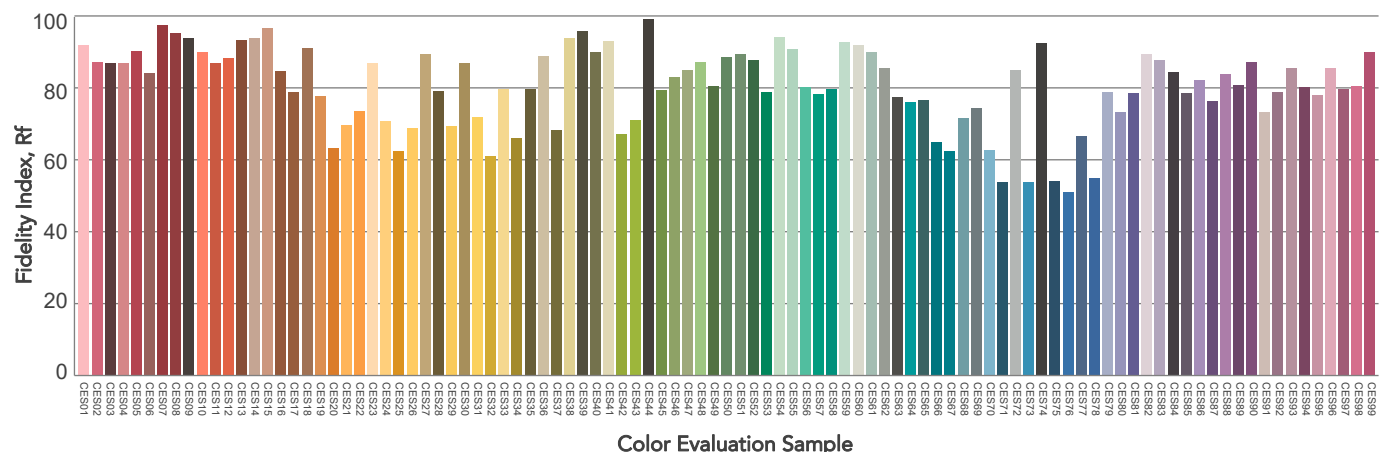
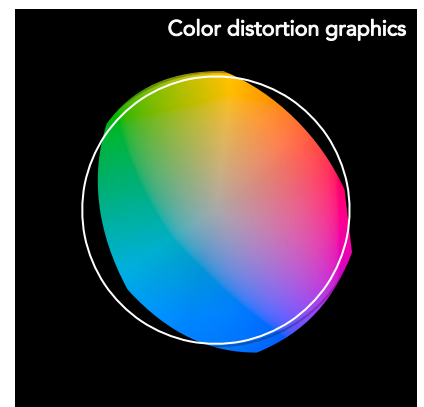
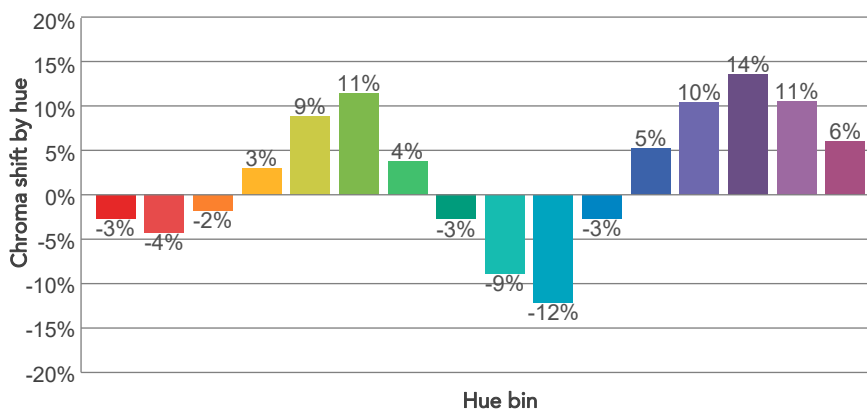
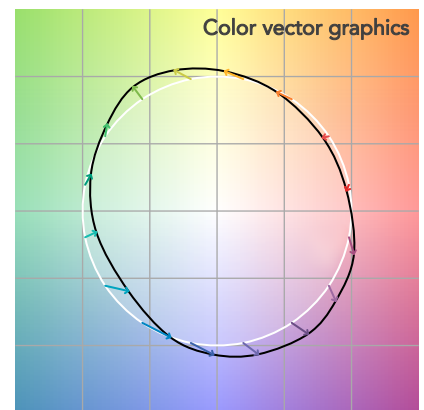
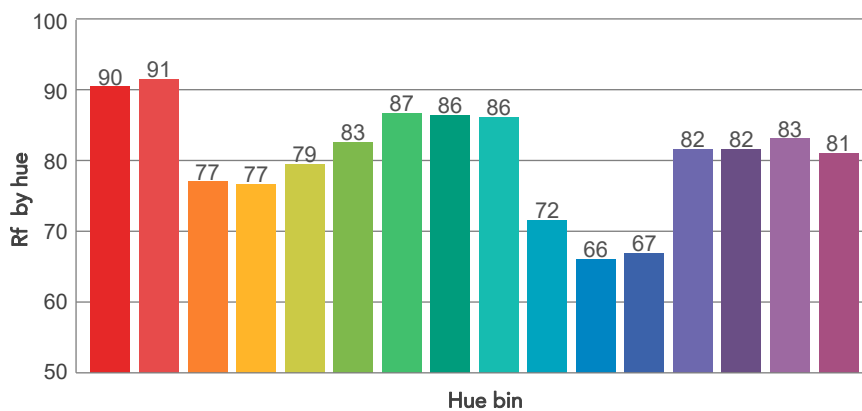
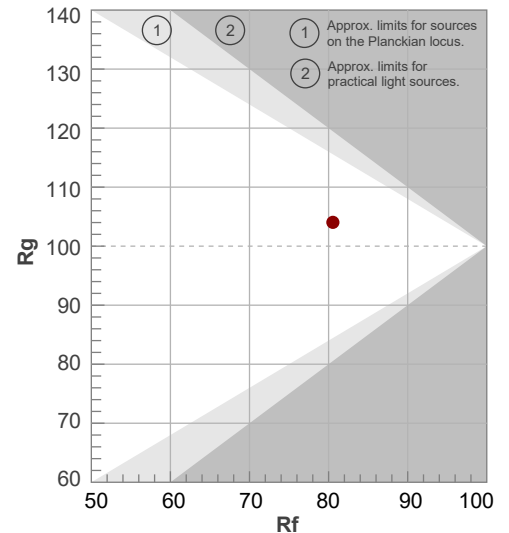
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4017 K	82,1	88,3	80,5	104,0	81,9	69	0,382	0,383	0,0024

TM30 DETAILS

Rf 80,5
Fidelity index Rf

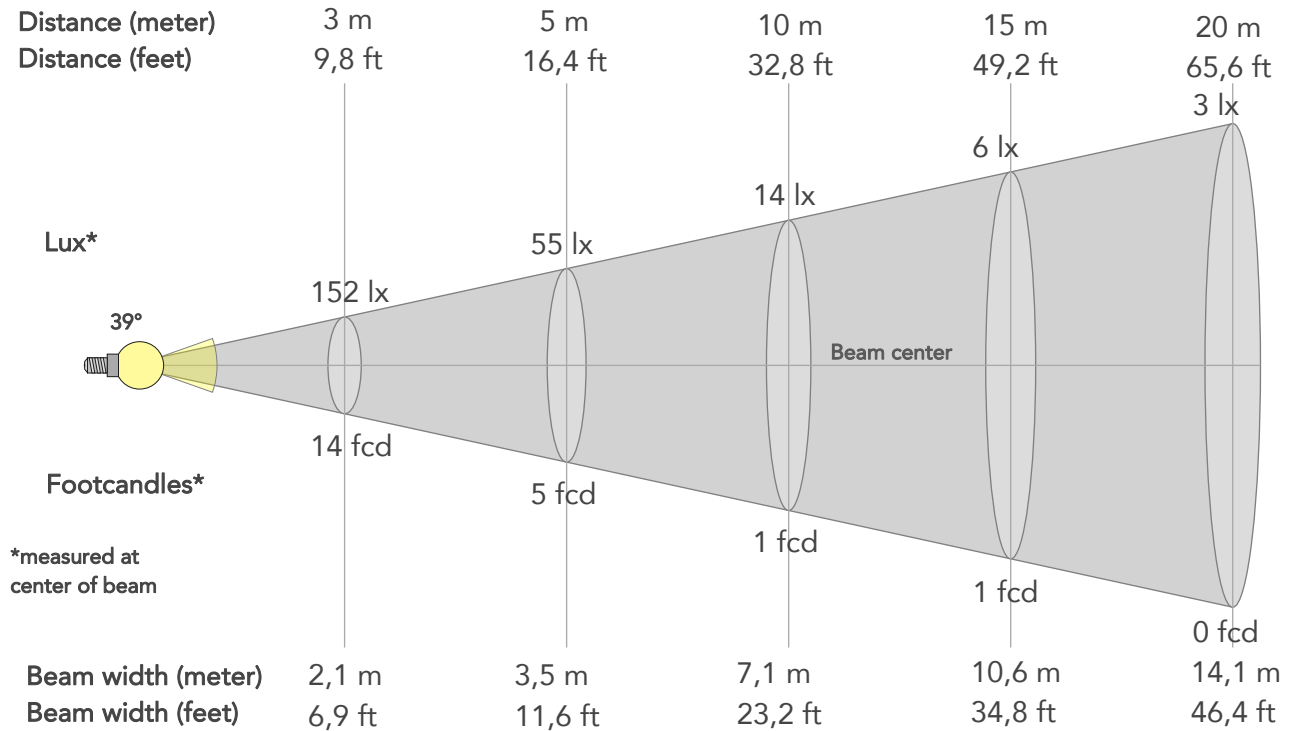
Rg 104,0
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	90	-3%	-4%
2	91	-4%	2%
3	77	-2%	12%
4	77	3%	15%
5	79	9%	11%
6	83	11%	1%
7	87	4%	-8%
8	86	-3%	-8%
9	86	-9%	-2%
10	72	-12%	13%
11	66	-3%	23%
12	67	5%	18%
13	82	10%	9%
14	82	14%	6%
15	83	11%	-7%
16	81	6%	-11%



BEAM DETAILS

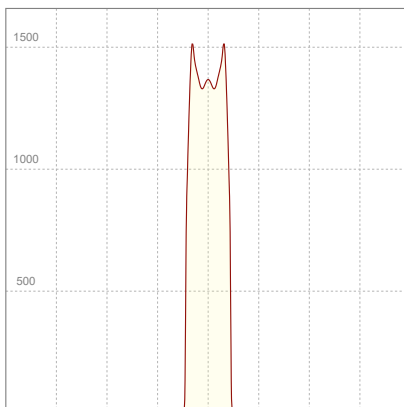
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39°	41°	42,5°	99,5%	99,4%



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	1367lx	342lx	152lx	85lx	55lx	24lx	14lx	6lx	3lx	2lx	2lx	1lx	1lx
Footcand.	127fcd	32fcd	14fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,4m	2,1m	2,8m	3,5m	5,3m	7,1m	10,6m	14,1m	17,7m	21,2m	28,3m	35,4m
Beam wid.	2,3ft	4,7ft	6,9ft	9,3ft	11,6ft	17,4ft	23,2ft	34,8ft	46,4ft	58ft	69,6ft	92,8ft	116ft

LINEAR DISTRIBUTION DIAGRAM

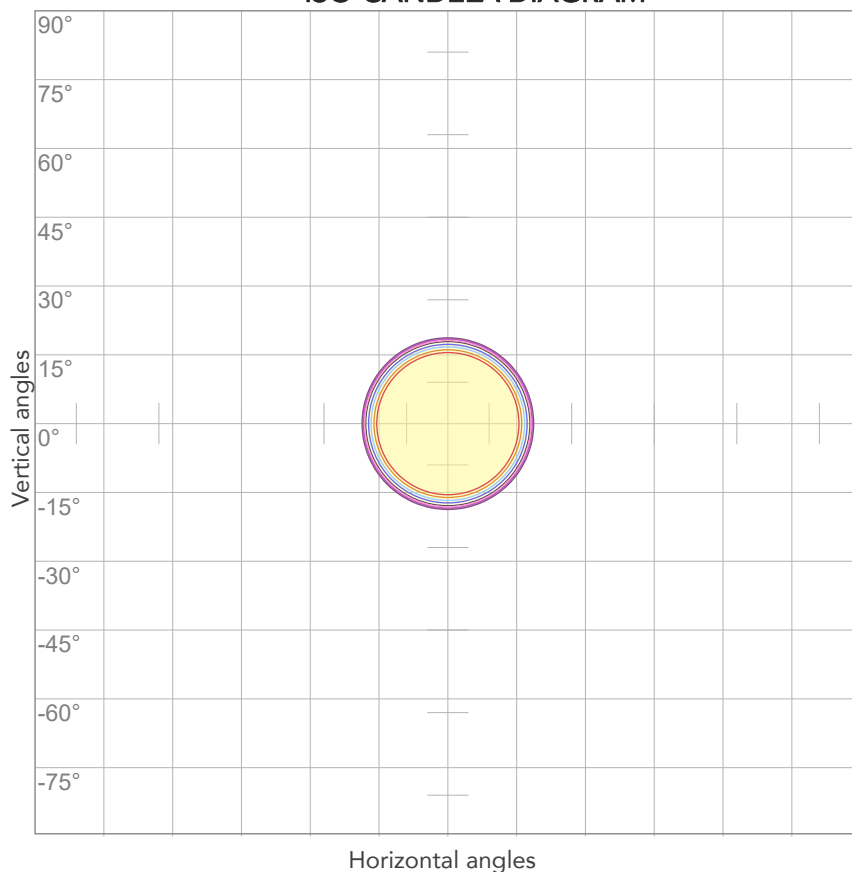


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,134A	25,6W	0,85	19lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



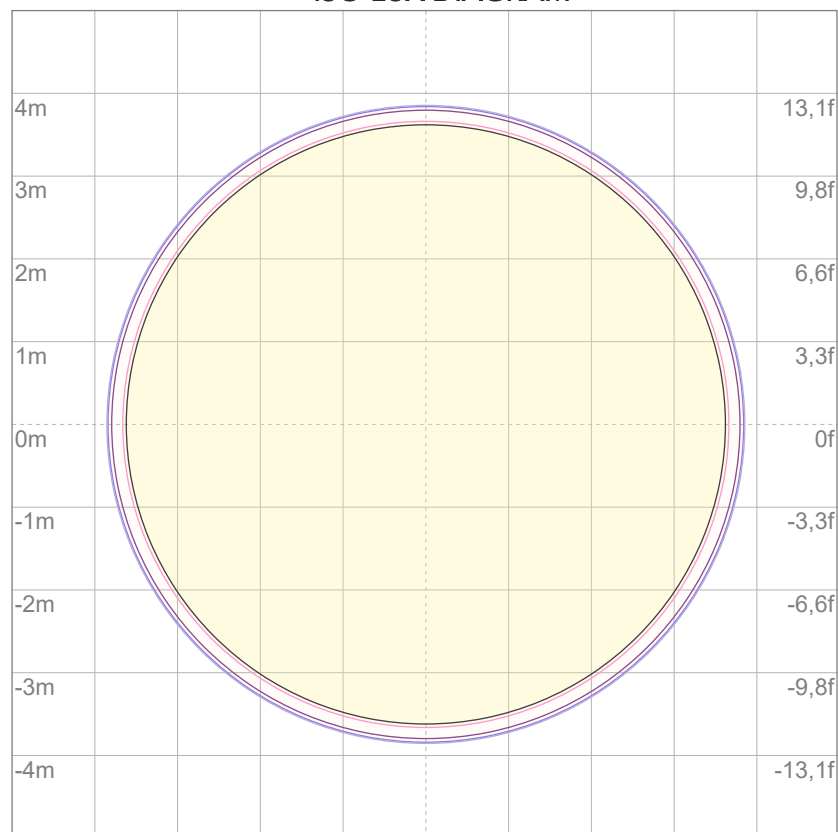
10%	137 cd
20%	273 cd
30%	410 cd
40%	547 cd
50%	683 cd
60%	820 cd
70%	957 cd
80%	1093 cd

Conditions:

Number of c-planes: 2

Candela at center: 1367 cd

ISO LUX DIAGRAM



3%	0,410 lx
5%	0,683 lx
10%	1,37 lx
30%	4,10 lx
50%	6,83 lx

Conditions:

Number of c-planes: 2

Lux at center: 13,7 lx

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



Total lumen output:

587 lm

Peak candela output:

7516 cd

Light quality:

CRI: 82,2

Color temperature:

3998 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 Lens - Min Zoom

Target:

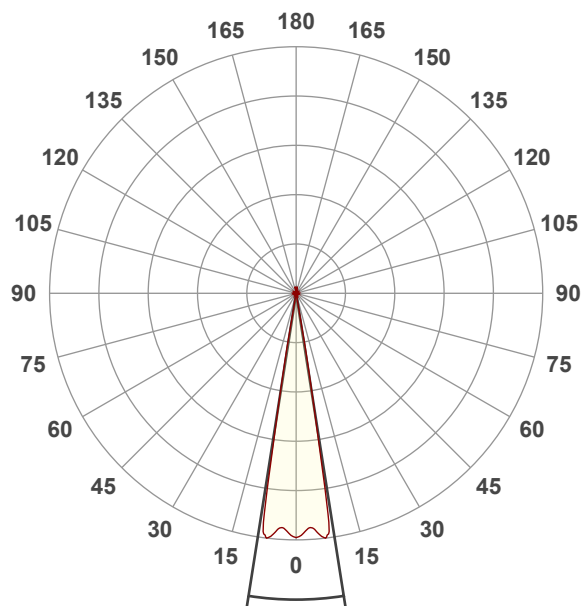
4000K

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 17:18:41

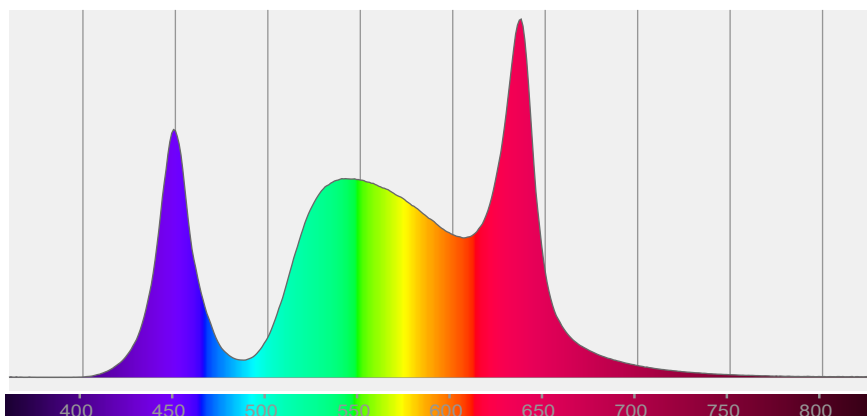


Beam angle 50%: 17,9°

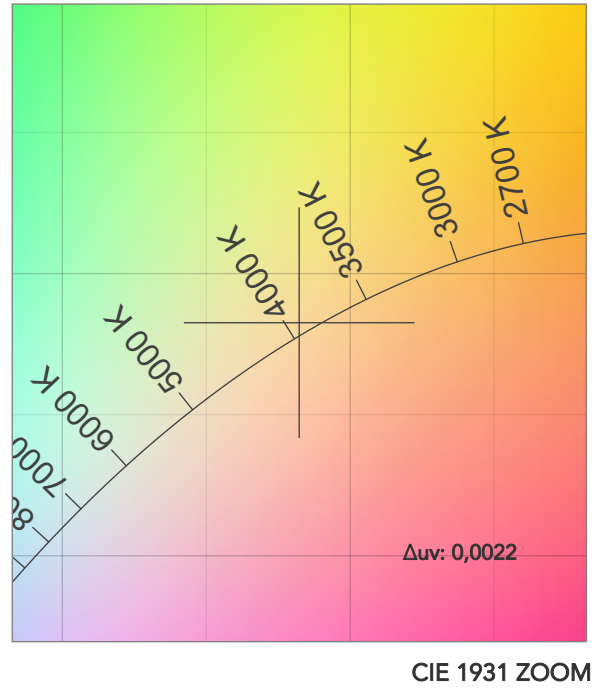
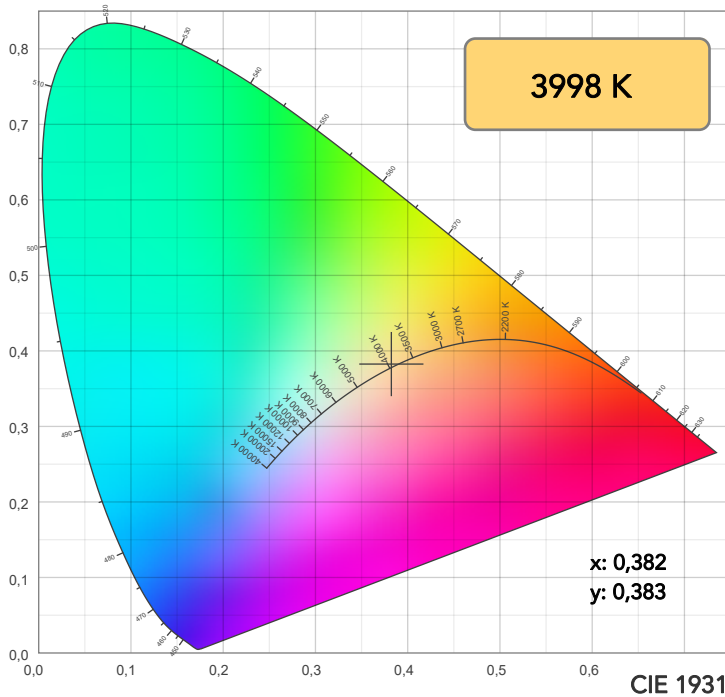
Field angle 10%: 19,9°

Cut off angle 2.5%: 20,3°

Spectra

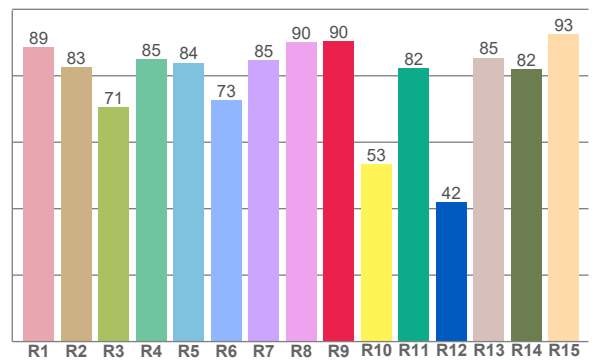
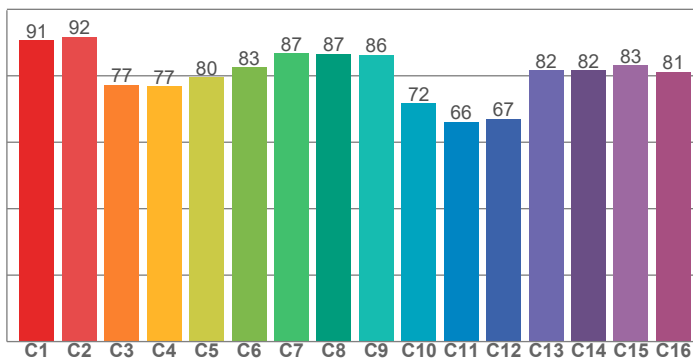


COLOR DETAILS



TM30: 80,7

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	82,6	70,5	84,9	84,0	72,5	84,6	90,1	90,3	53,4	82,4	42,1	85,5	81,9	92,5

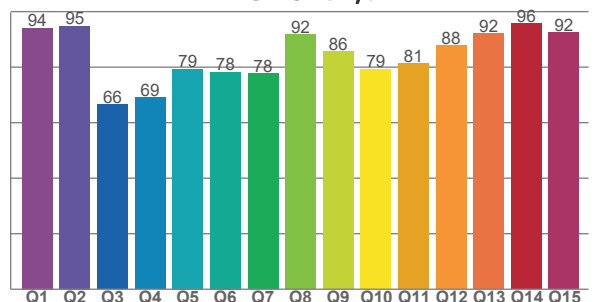
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,7	91,7	77,3	76,9	79,6	82,6	86,8	86,6	86,3	71,7	66,1	67,0	81,6	81,6	83,1	81,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,2	94,8	66,5	69,1	79,3	78,2	77,7	91,7	85,5	79,2	81,3	87,9	92,1	95,7	92,4

CQS: 82,0



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
3998 K	82,2	90,3	80,7	104,2	82,0	69	0,382	0,383	0,0022

TM30 DETAILS

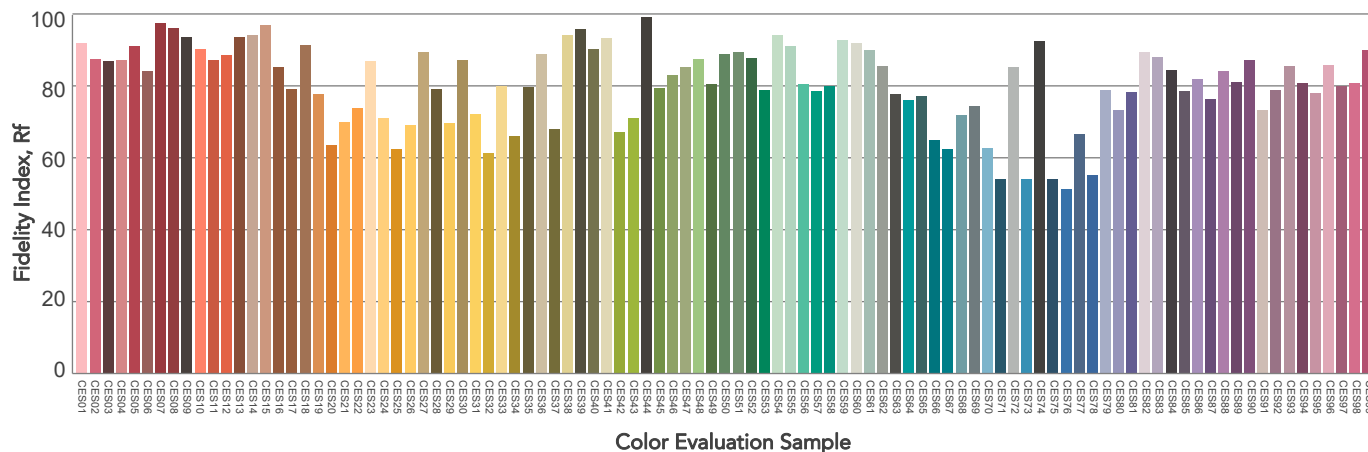
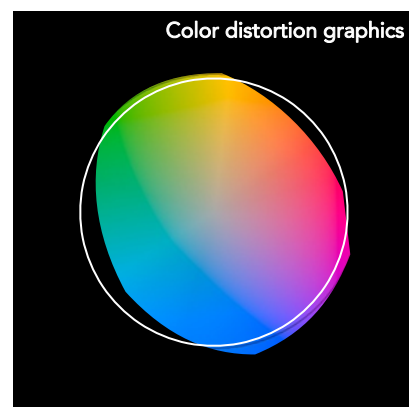
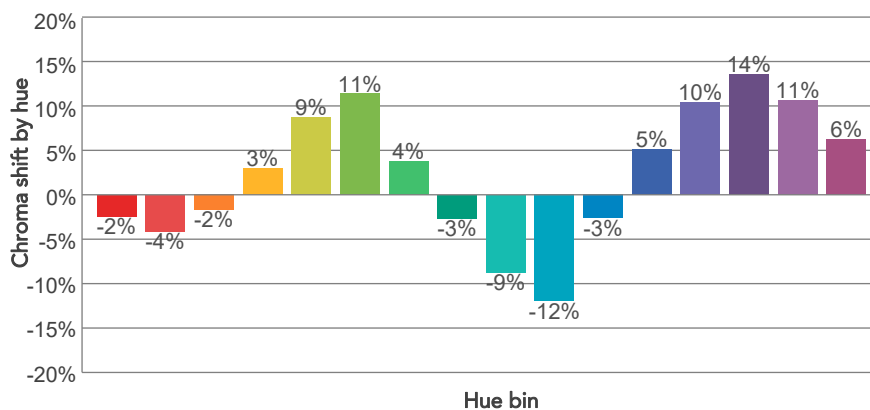
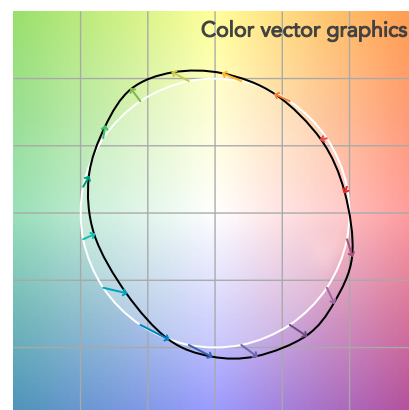
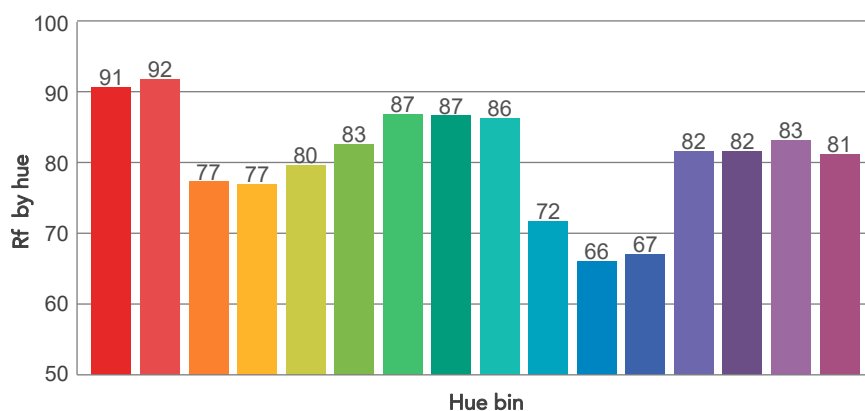
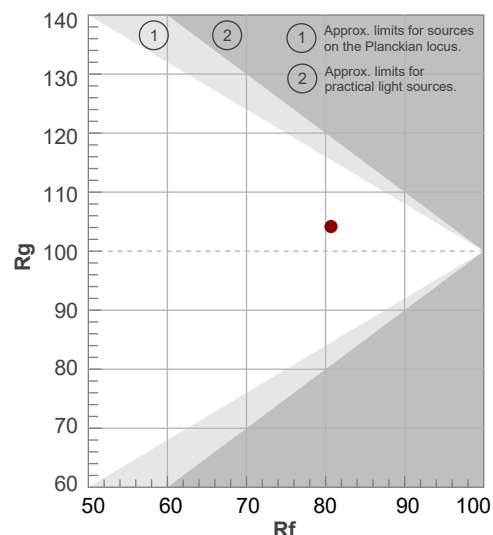
Rf 80,7

Fidelity index Rf

Rg 104,2

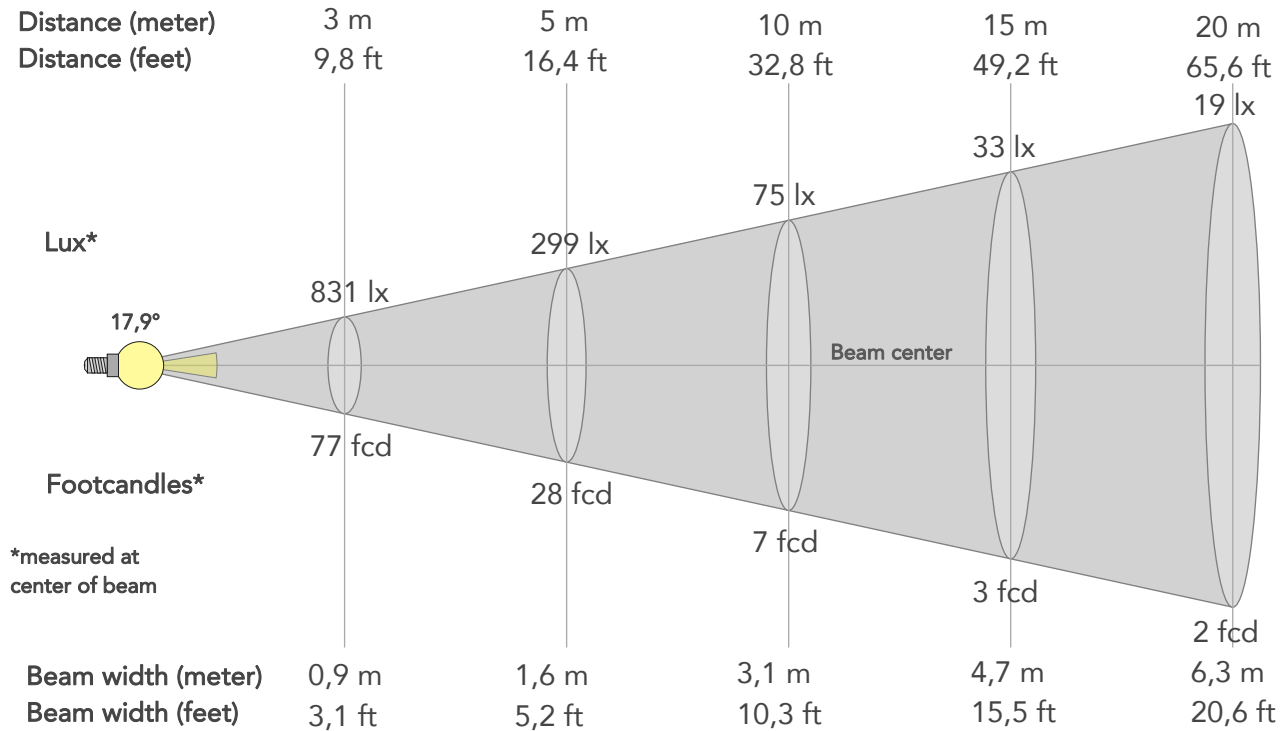
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-2%	-4%
2	92	-4%	2%
3	77	-2%	12%
4	77	3%	14%
5	80	9%	11%
6	83	11%	1%
7	87	4%	-8%
8	87	-3%	-8%
9	86	-9%	-2%
10	72	-12%	13%
11	66	-3%	23%
12	67	5%	18%
13	82	10%	9%
14	82	14%	6%
15	83	11%	-6%
16	81	6%	-11%



BEAM DETAILS

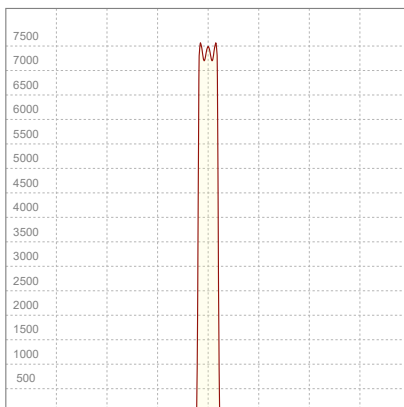
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,9°	19,9°	20,3°	98,9%	98,4%



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	7483lx	1871lx	831lx	468lx	299lx	133lx	75lx	33lx	19lx	12lx	8lx	5lx	3lx
Footcand.	695fcd	174fcd	77fcd	43fcd	28fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,3m	1,6m	2,4m	3,1m	4,7m	6,3m	7,9m	9,4m	12,6m	15,7m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,2ft	7,7ft	10,3ft	15,5ft	20,6ft	25,8ft	31ft	41,3ft	51,6ft

LINEAR DISTRIBUTION DIAGRAM

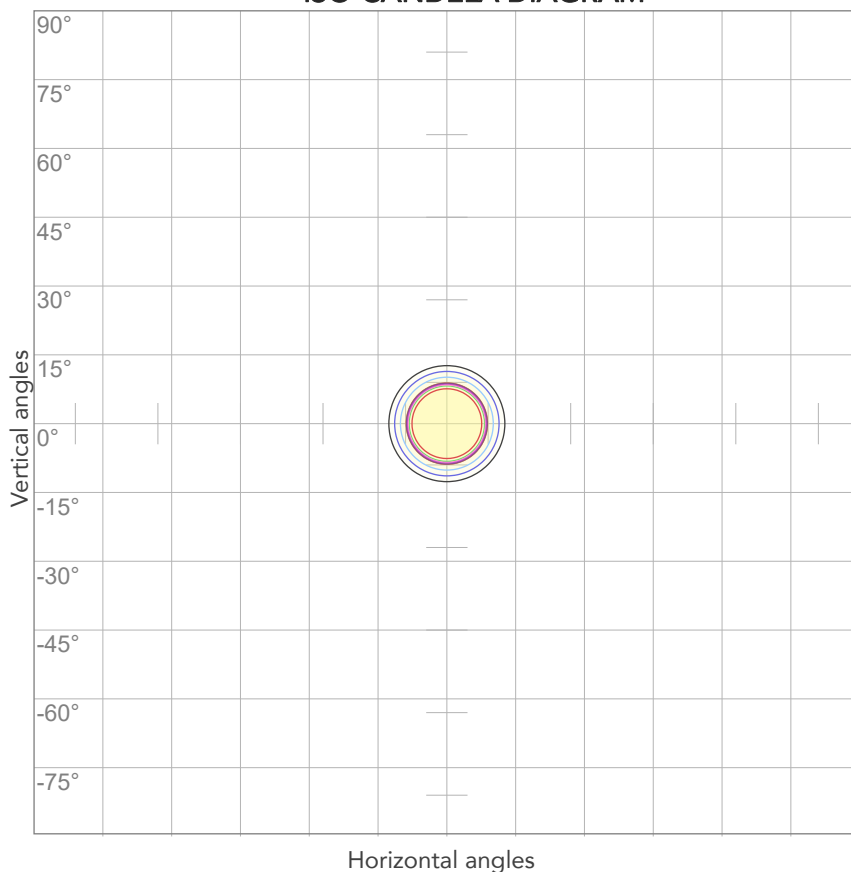


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,135A	25,7W	0,85	23lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



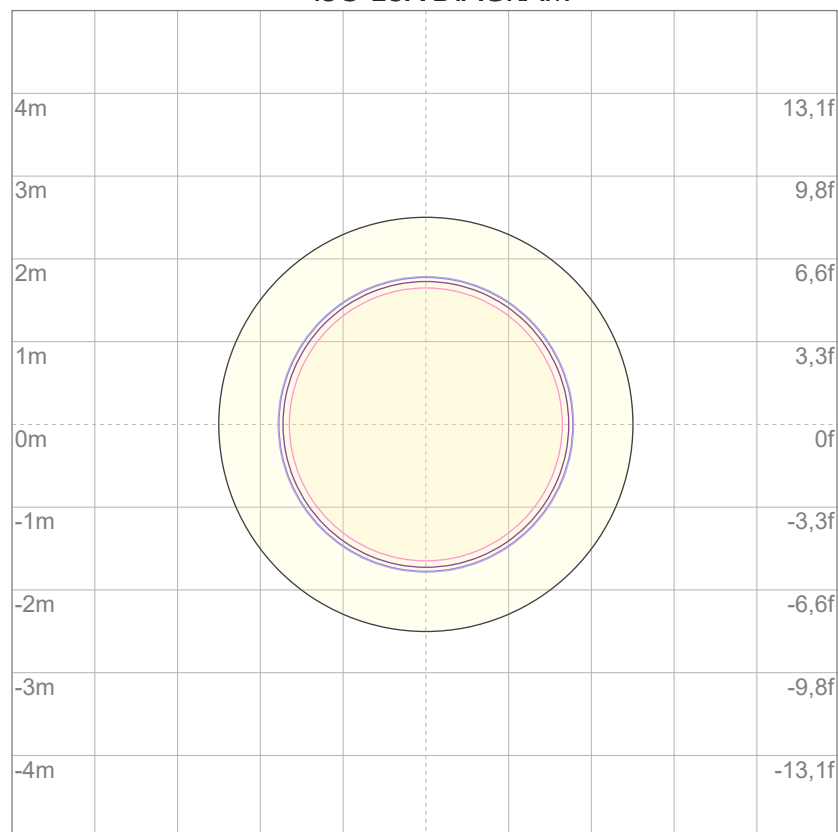
10%	748 cd
20%	1497 cd
30%	2245 cd
40%	2993 cd
50%	3742 cd
60%	4490 cd
70%	5238 cd
80%	5987 cd

Conditions:

Number of c-planes: 2

Candela at center: 7483 cd

ISO LUX DIAGRAM



3%	2,25 lx
5%	3,74 lx
10%	7,48 lx
30%	22,5 lx
50%	37,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 74,8 lx

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



Total lumen output:

523 lm

Peak candela output:

1594 cd

Light quality:

CRI: 82,5

Color temperature:

5626 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 Lens - Max Zoom

Target:

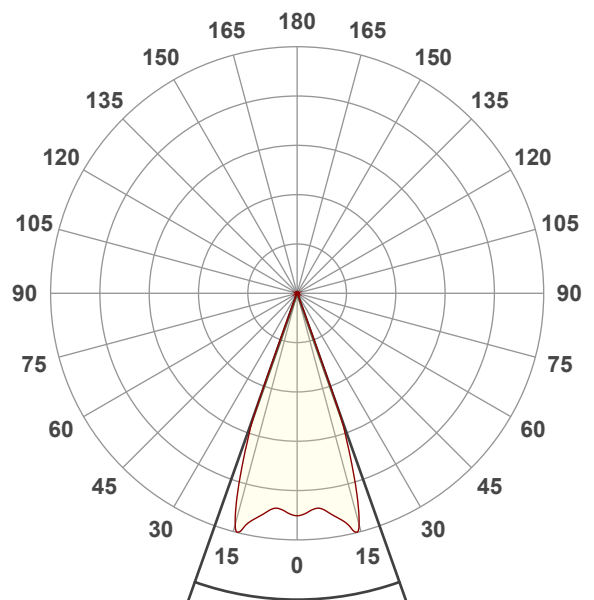
5600K

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 16:41:00

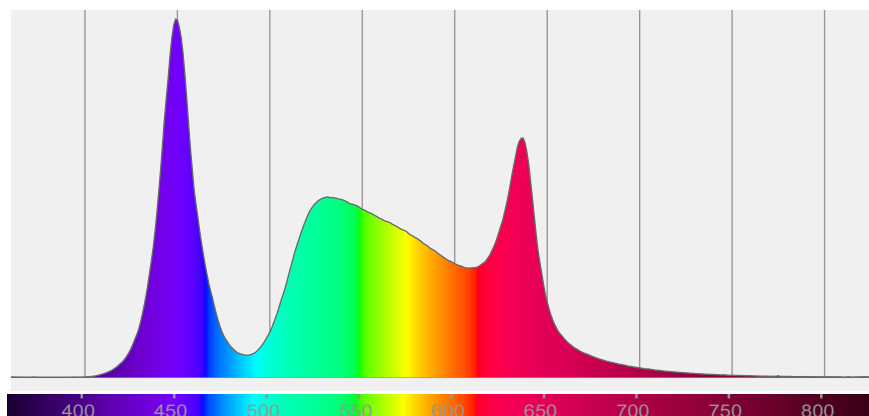


Beam angle 50%: 39°

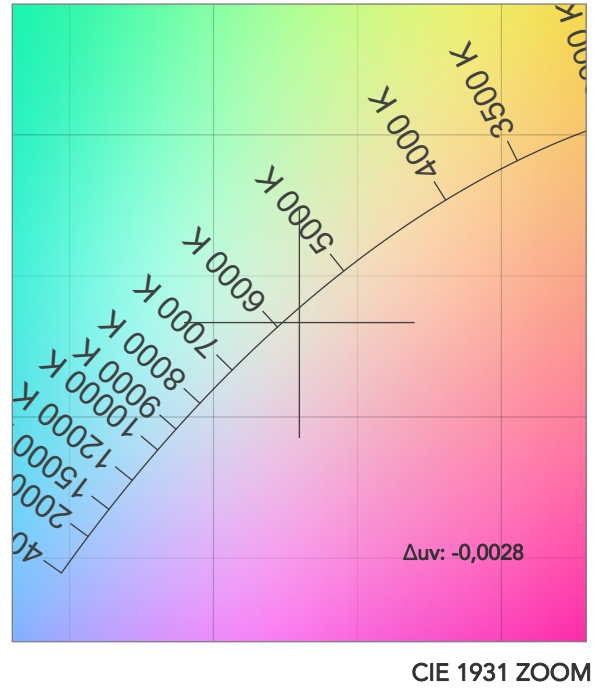
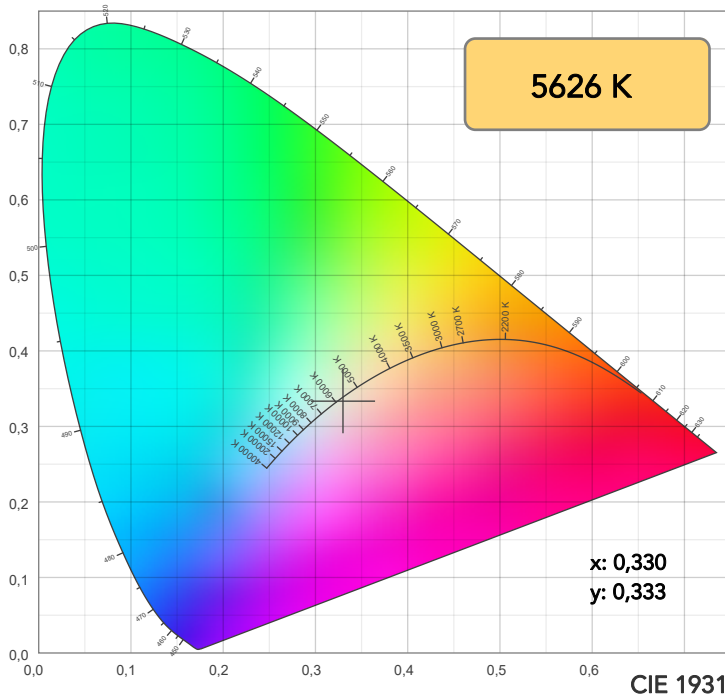
Field angle 10%: 41°

Cut off angle 2.5%: 42,5°

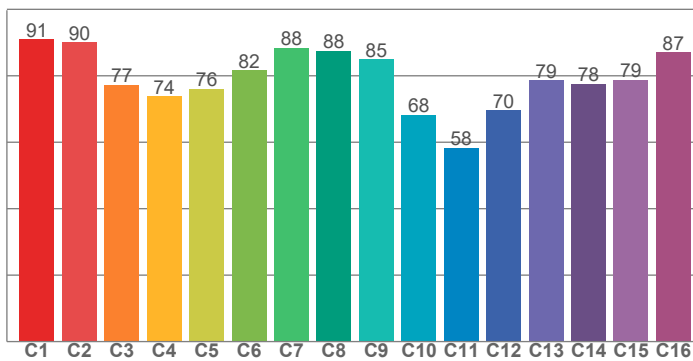
Spectra



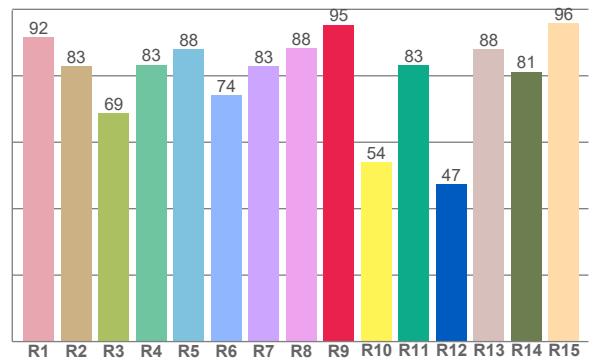
COLOR DETAILS



TM30: 79,0



CRI: 82,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
91,6	82,9	68,8	83,3	88,1	74,2	82,9	88,2	95,4	53,9	83,2	47,3	88,1	81,2	95,9

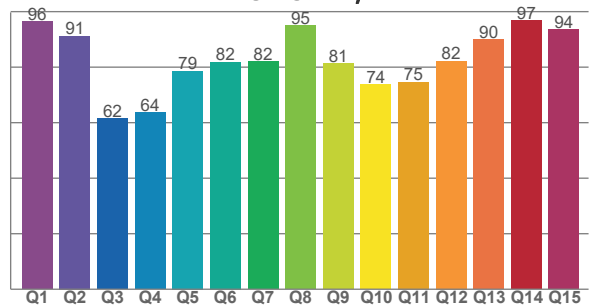
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,9	90,0	77,3	73,7	76,1	81,7	88,4	87,6	85,0	68,3	58,3	69,6	78,7	77,6	78,8	87,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,4	91,2	61,5	63,6	78,6	81,9	82,0	95,0	81,3	73,7	74,7	82,3	89,9	96,8	93,6

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
5626 K	82,5	95,4	79,0	105,2	79,7	72	0,330	0,333	-0,0028

TM30 DETAILS

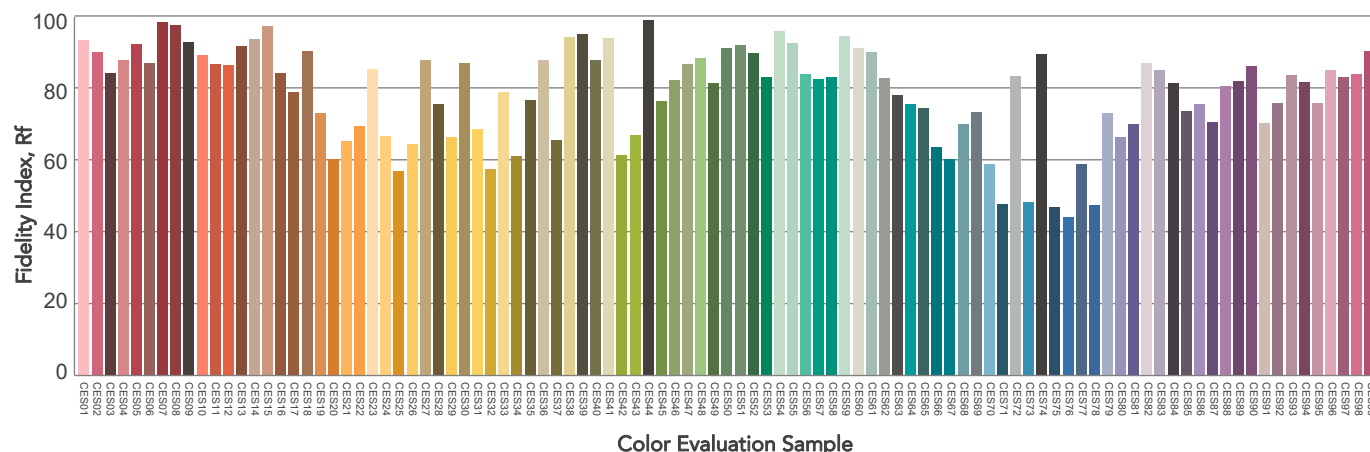
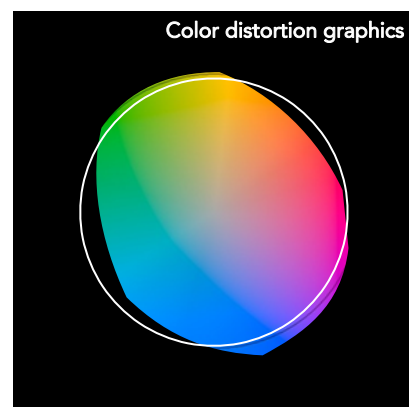
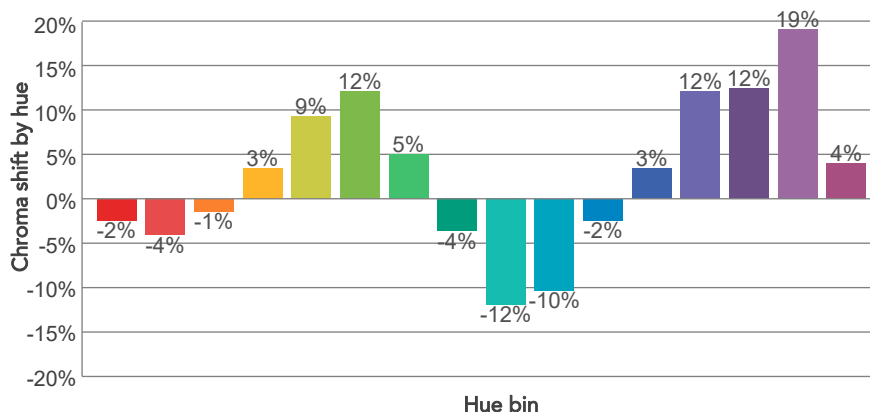
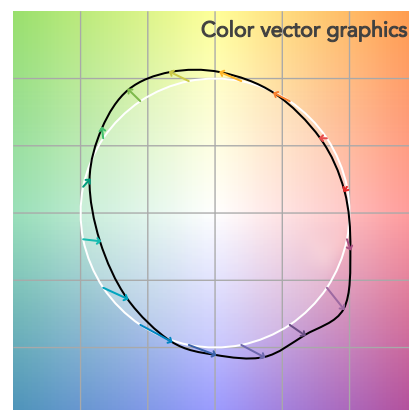
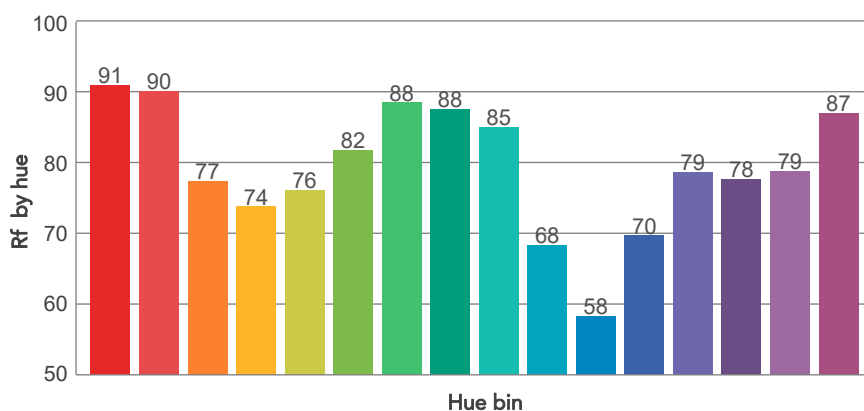
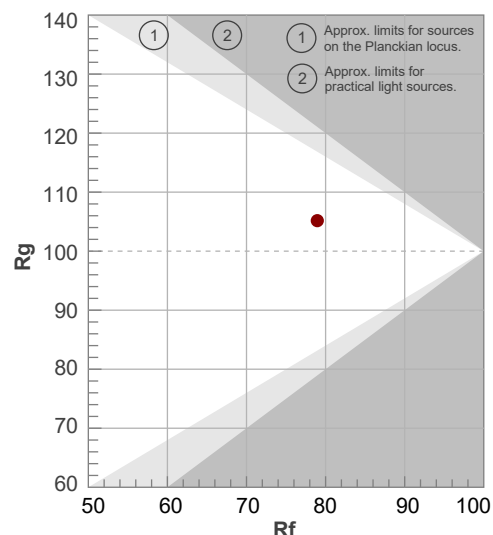
Rf 79,0

Fidelity index Rf

Rg 105,2

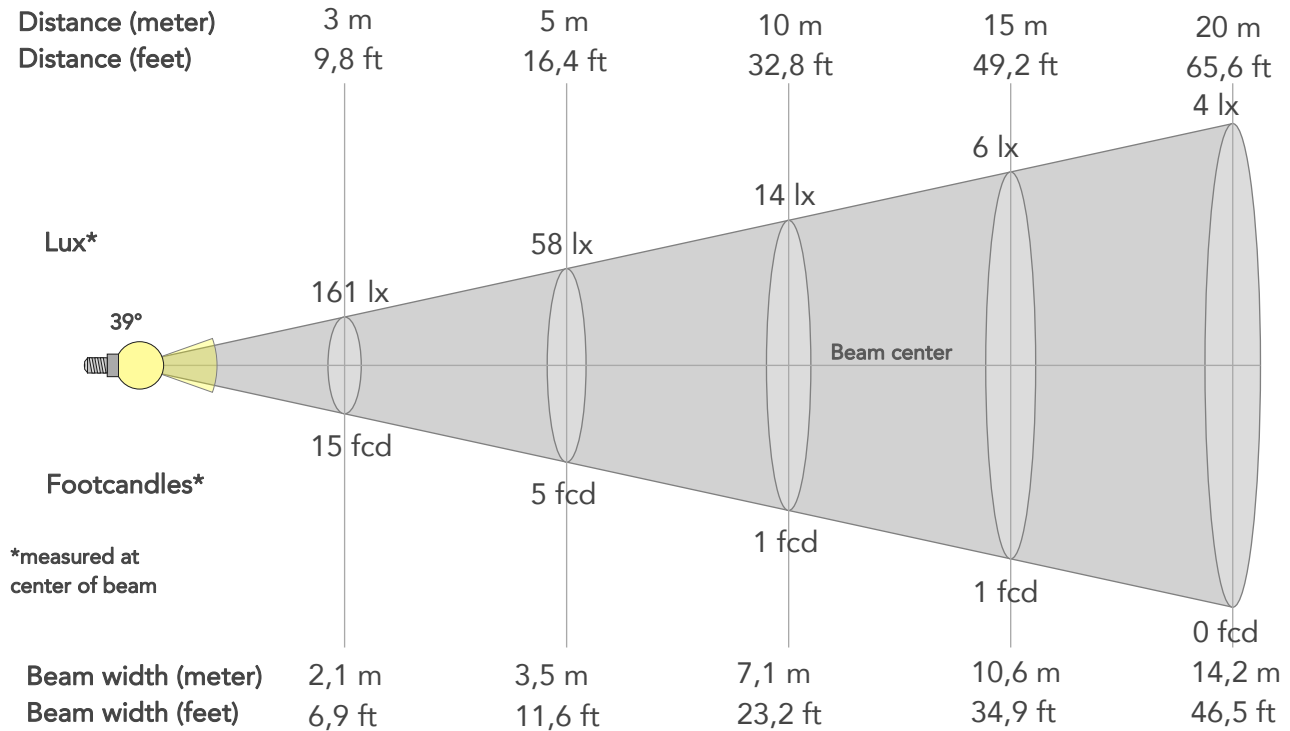
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-2%	-3%
2	90	-4%	3%
3	77	-1%	13%
4	74	3%	16%
5	76	9%	12%
6	82	12%	3%
7	88	5%	-6%
8	88	-4%	-6%
9	85	-12%	4%
10	68	-10%	17%
11	58	-2%	26%
12	70	3%	21%
13	79	12%	15%
14	78	12%	5%
15	79	19%	-6%
16	87	4%	-7%



BEAM DETAILS

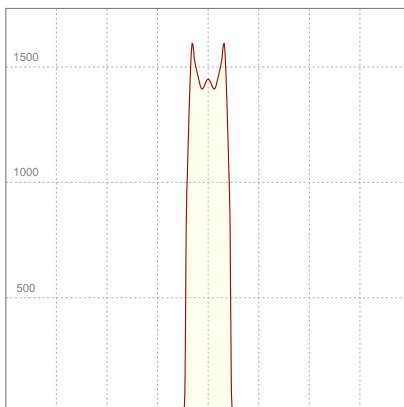
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39°	41°	42,5°	99,5%	99,4%



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	1446lx	362lx	161lx	90lx	58lx	26lx	14lx	6lx	4lx	2lx	2lx	1lx	1lx
Footcand.	134fcd	34fcd	15fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,4m	2,1m	2,8m	3,5m	5,3m	7,1m	10,6m	14,2m	17,7m	21,3m	28,3m	35,4m
Beam wid.	2,3ft	4,7ft	6,9ft	9,3ft	11,6ft	17,4ft	23,2ft	34,9ft	46,5ft	58,1ft	69,7ft	93ft	116,2ft

LINEAR DISTRIBUTION DIAGRAM

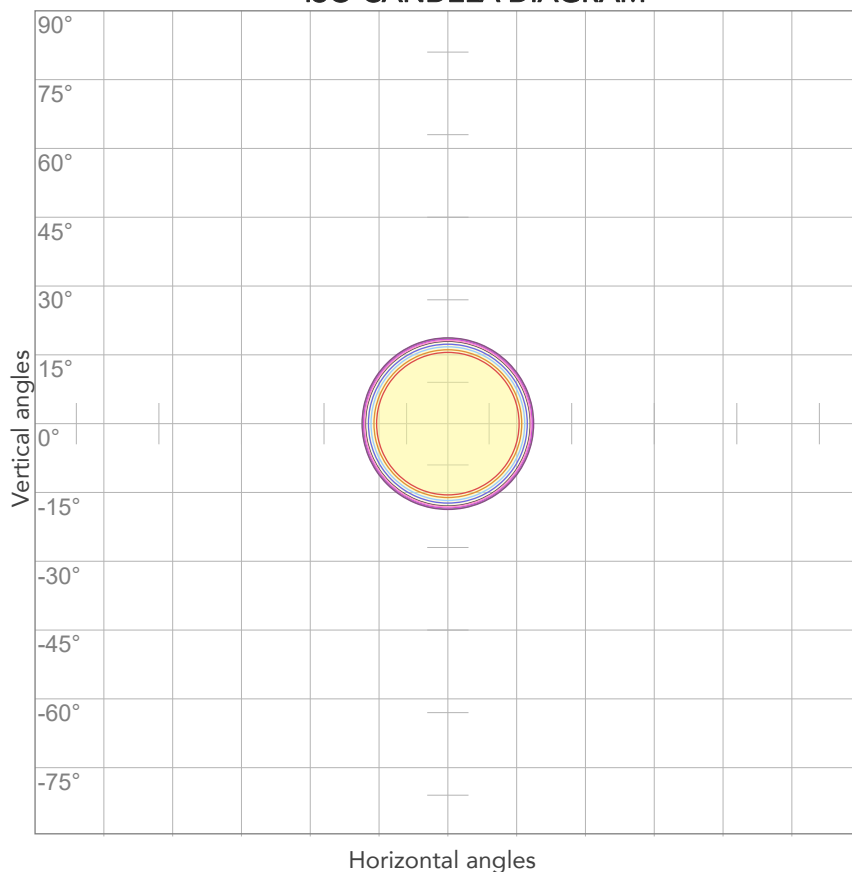


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,146A	28,6W	0,87	18lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



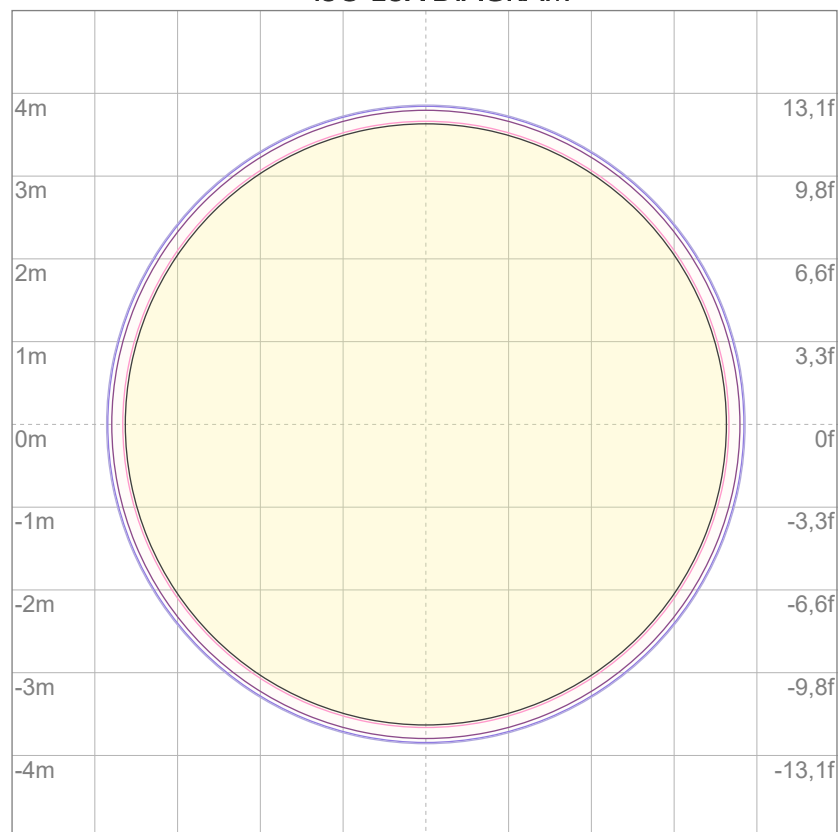
10%	145 cd
20%	289 cd
30%	434 cd
40%	578 cd
50%	723 cd
60%	868 cd
70%	1012 cd
80%	1157 cd

Conditions:

Number of c-planes: 2

Candela at center: 1446 cd

ISO LUX DIAGRAM



3%	0,434 lx
5%	0,723 lx
10%	1,45 lx
30%	4,34 lx
50%	7,23 lx

Conditions:

Number of c-planes: 2

Lux at center: 14,5 lx

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



Total lumen output:

619 lm

Peak candela output:

8006 cd

Light quality:

CRI: 82,5

Color temperature:

5619 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 Lens - Min Zoom

Target:

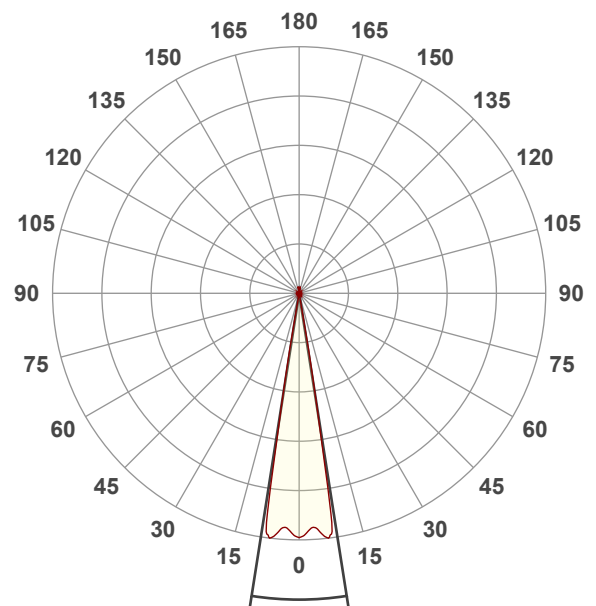
5600K

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 17:15:29

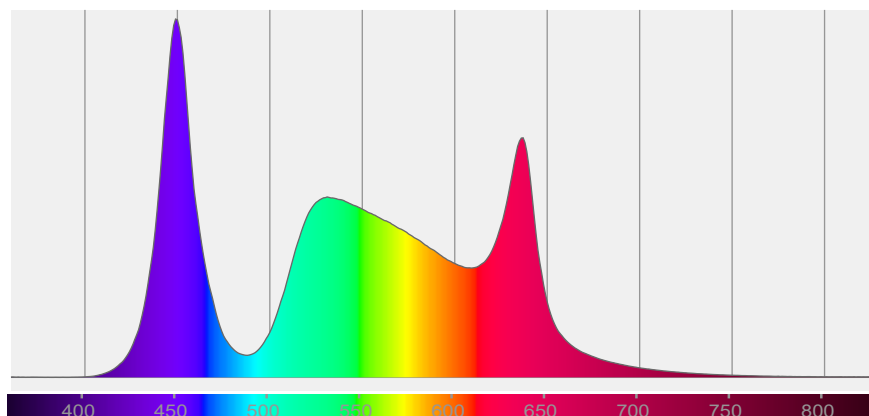


Beam angle 50%: 17,9°

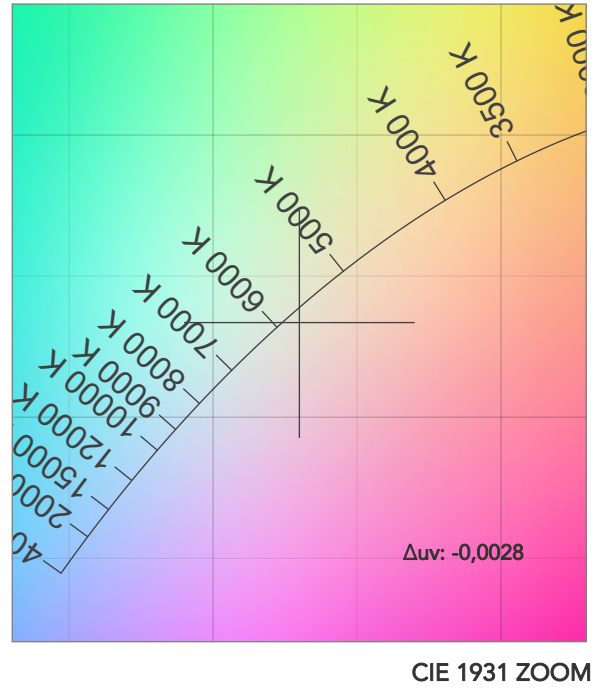
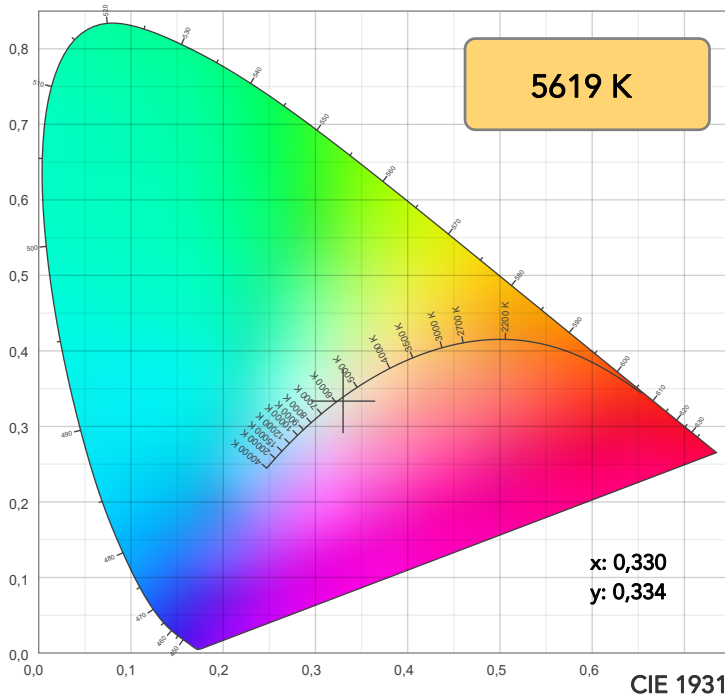
Field angle 10%: 19,8°

Cut off angle 2.5%: 20,3°

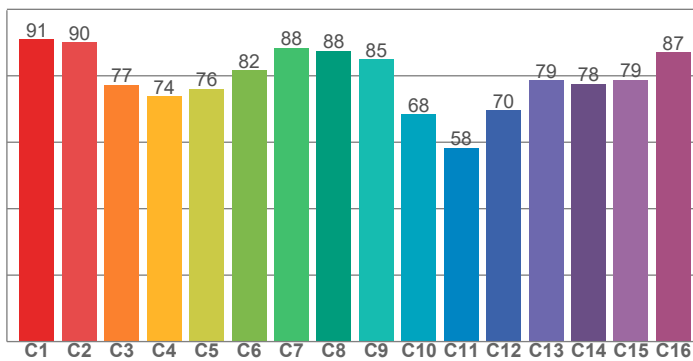
Spectra



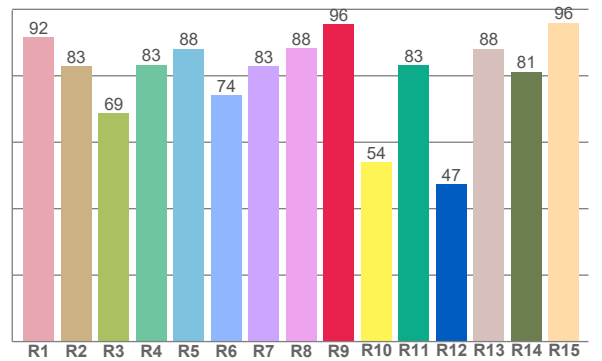
COLOR DETAILS



TM30: 79,0



CRI: 82,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
91,7	83,0	68,8	83,3	88,1	74,2	82,9	88,2	95,5	54,0	83,2	47,4	88,2	81,2	96,0

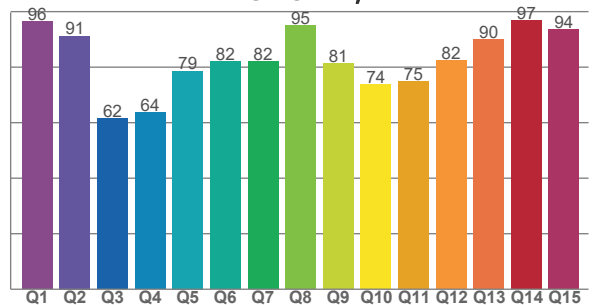
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91,0	90,1	77,3	73,8	76,1	81,7	88,4	87,6	85,0	68,3	58,3	69,7	78,7	77,6	78,8	87,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,4	91,2	61,6	63,7	78,7	82,0	82,0	95,0	81,3	73,7	74,8	82,3	90,0	96,9	93,6

CQS: 79,7



COLOR PARAMETERS

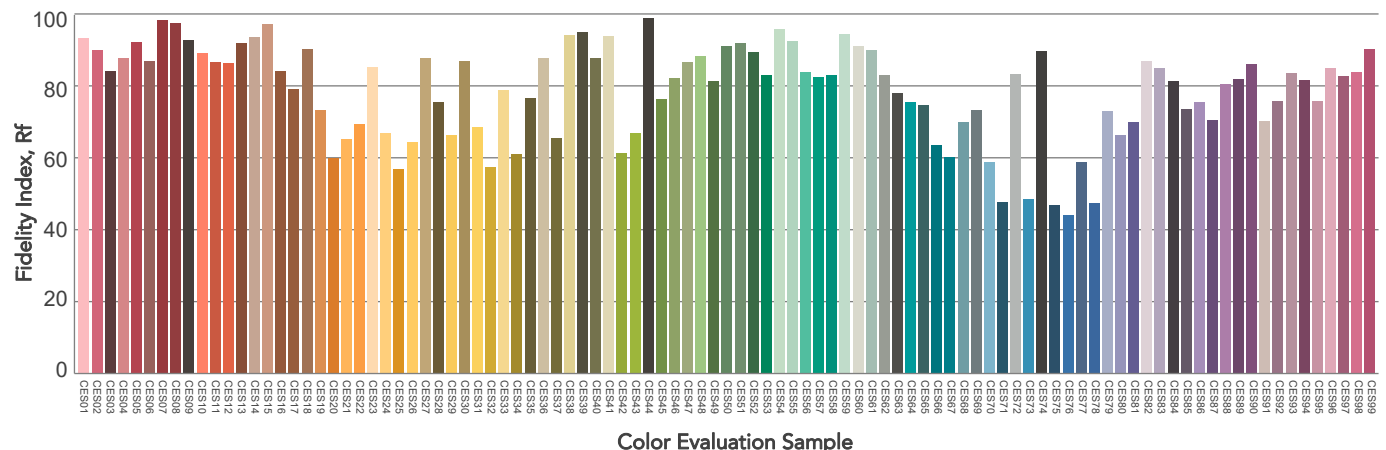
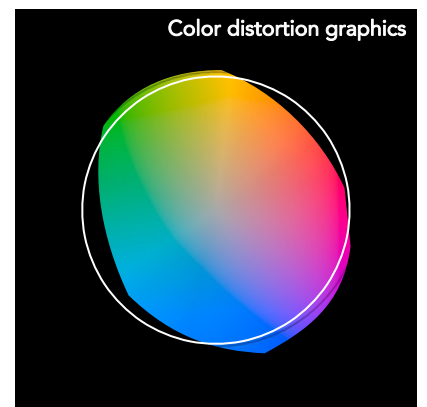
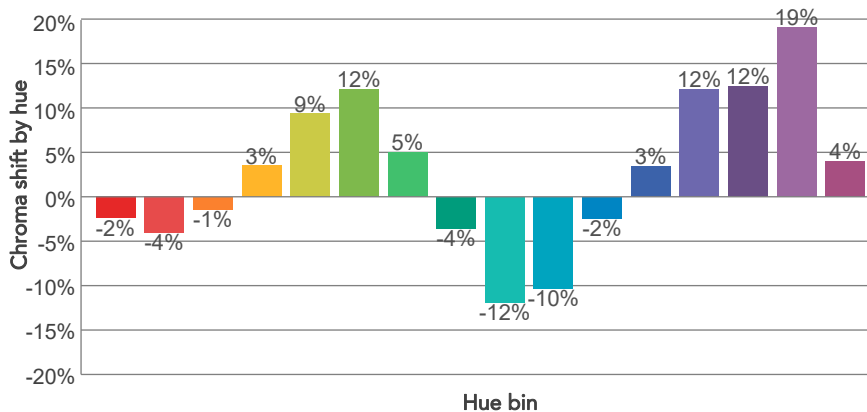
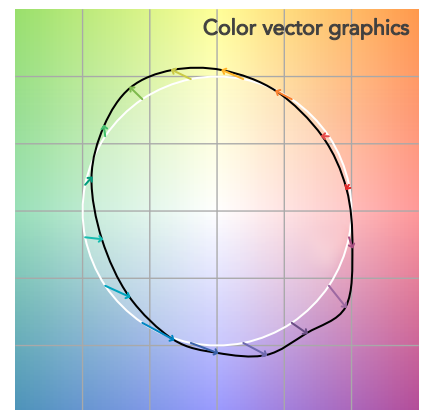
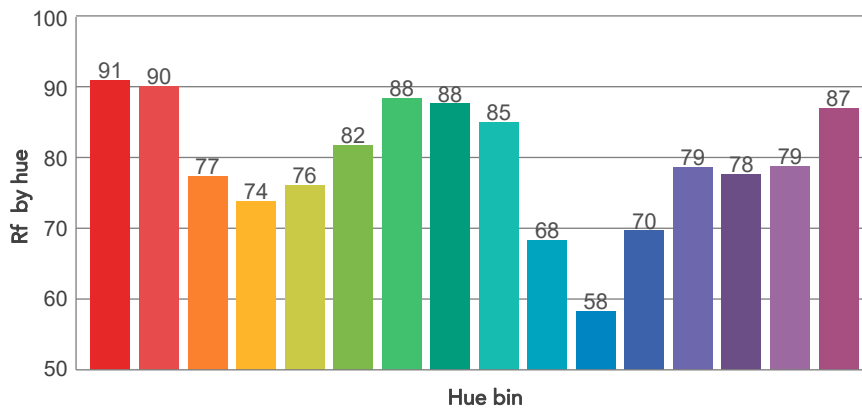
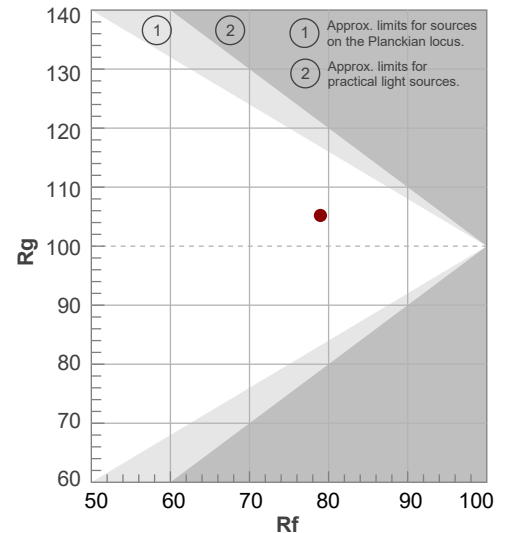
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5619 K	82,5	95,5	79,0	105,2	79,7	72	0,330	0,334	-0,0028

TM30 DETAILS

Rf 79,0
Fidelity index Rf

Rg 105,2
Gammut index

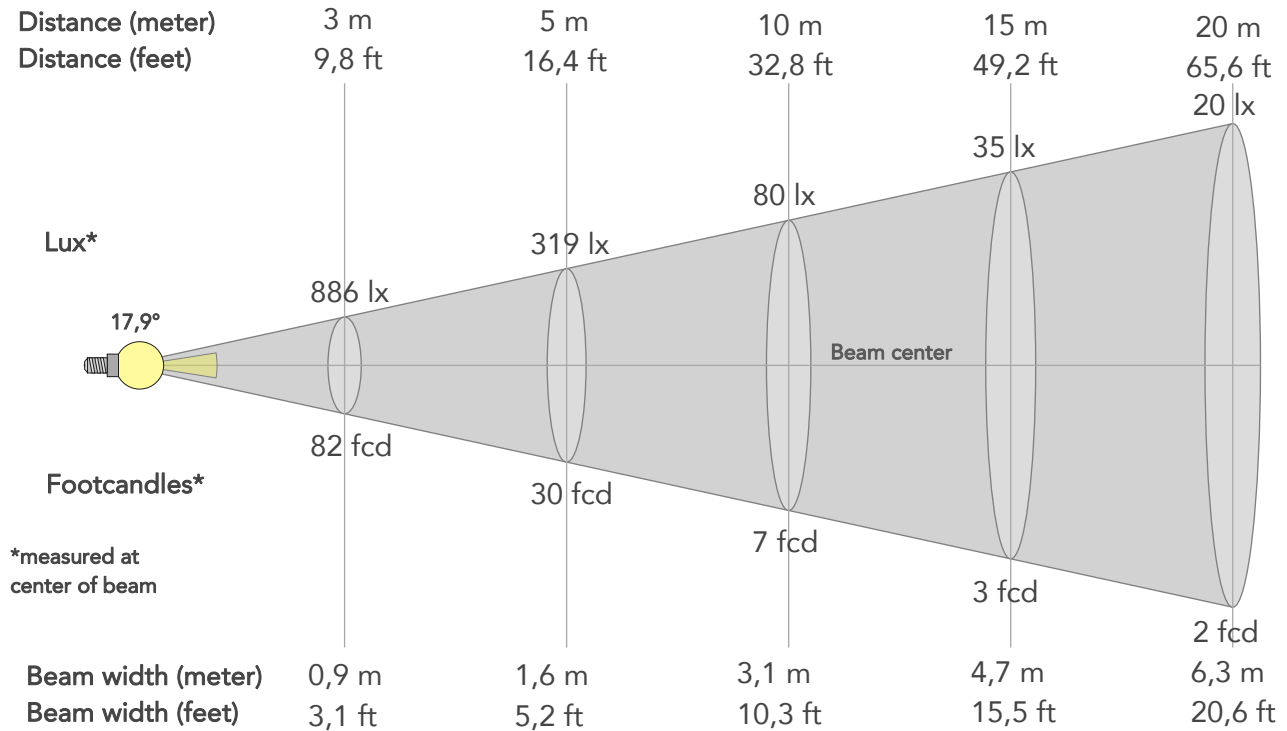
		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	91	-2%	-3%
2	90	-4%	3%
3	77	-1%	13%
4	74	3%	16%
5	76	9%	12%
6	82	12%	3%
7	88	5%	-6%
8	88	-4%	-6%
9	85	-12%	4%
10	68	-10%	17%
11	58	-2%	26%
12	70	3%	21%
13	79	12%	15%
14	78	12%	5%
15	79	19%	-6%
16	87	4%	-7%



BEAM DETAILS



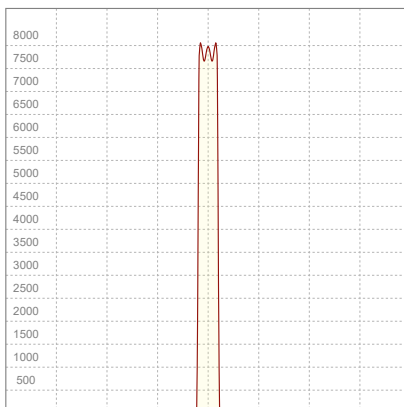
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,9°	19,8°	20,3°	99,1%	98,9%



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	7972lx	1993lx	886lx	498lx	319lx	142lx	80lx	35lx	20lx	13lx	9lx	5lx	3lx
Footcand.	741fcd	185fcd	82fcd	46fcd	30fcd	13fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,3m	1,6m	2,4m	3,1m	4,7m	6,3m	7,9m	9,4m	12,6m	15,7m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,2ft	7,7ft	10,3ft	15,5ft	20,6ft	25,8ft	30,9ft	41,2ft	51,5ft

LINEAR DISTRIBUTION DIAGRAM

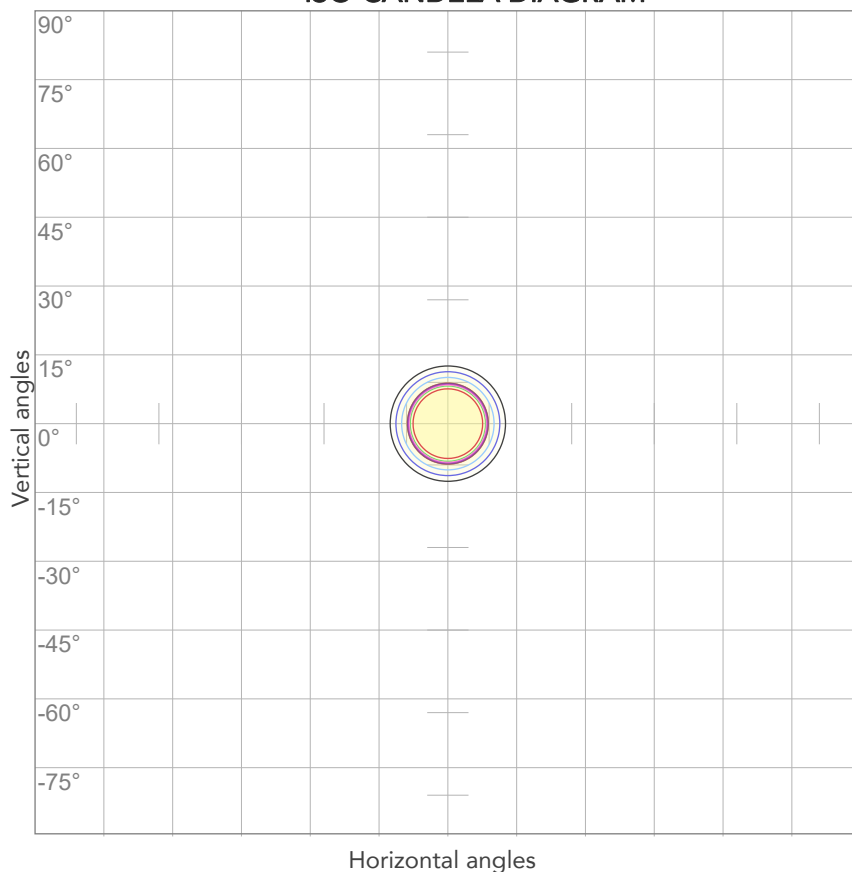


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,146A	28,6W	0,87	22lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



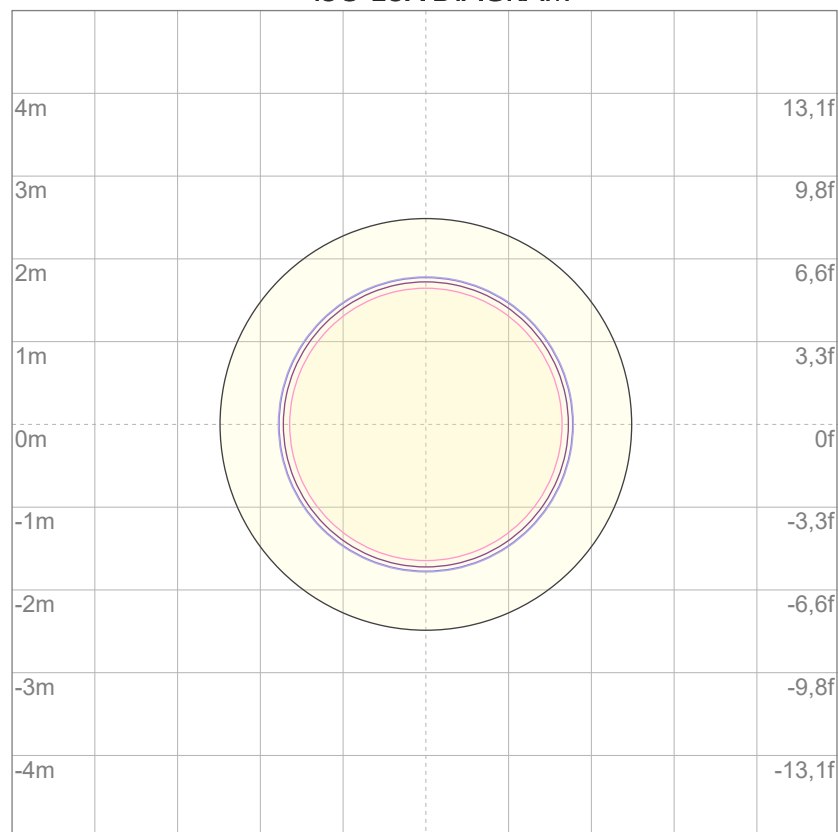
10%	797 cd
20%	1594 cd
30%	2392 cd
40%	3189 cd
50%	3986 cd
60%	4783 cd
70%	5580 cd
80%	6377 cd

Conditions:

Number of c-planes: 2

Candela at center: 7972 cd

ISO LUX DIAGRAM



3%	2,39 lx
5%	3,99 lx
10%	7,97 lx
30%	23,9 lx
50%	39,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 79,7 lx

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



Total lumen output:

537 lm

Peak candela output:

1637 cd

Light quality:

CRI: 82,3

Color temperature:

6014 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 Lens - Max Zoom

Target:

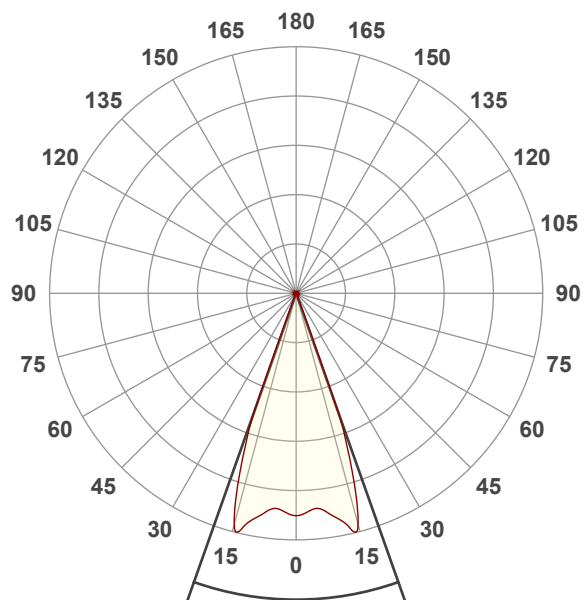
6000K

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 17:04:46

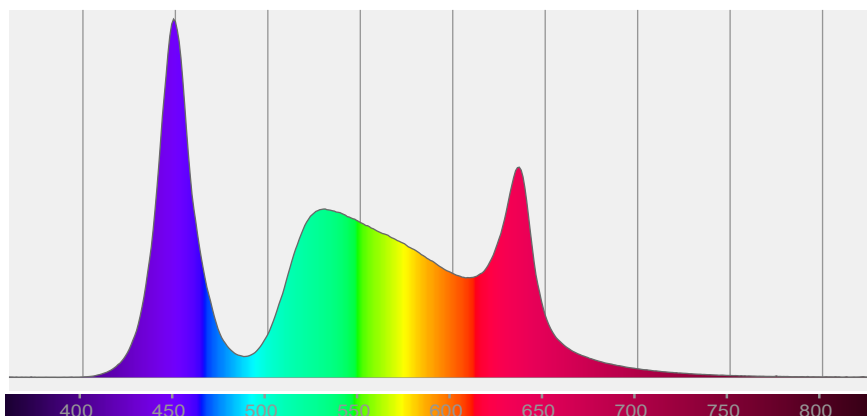


Beam angle 50%: 39°

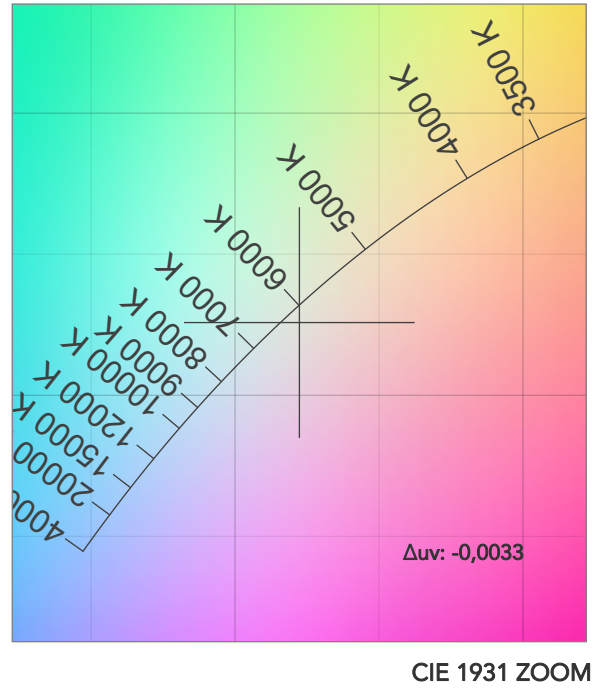
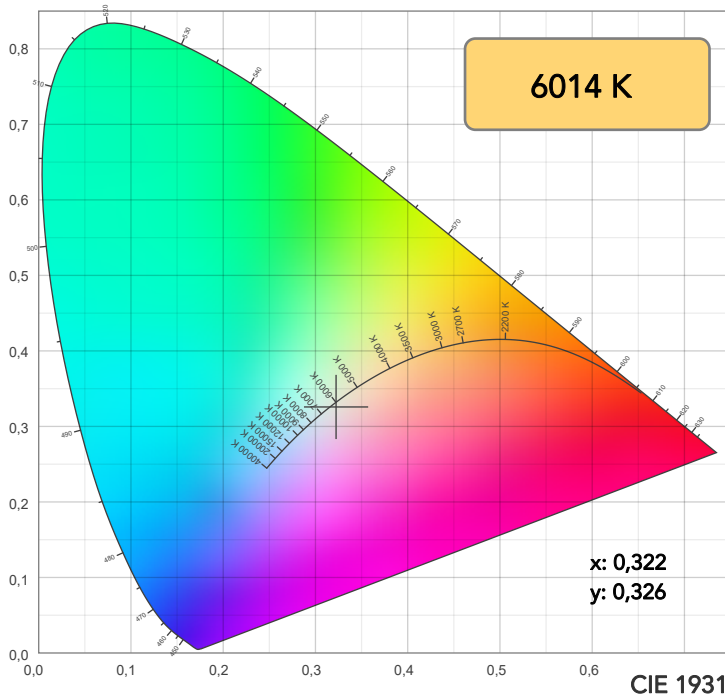
Field angle 10%: 41,2°

Cut off angle 2.5%: 42,6°

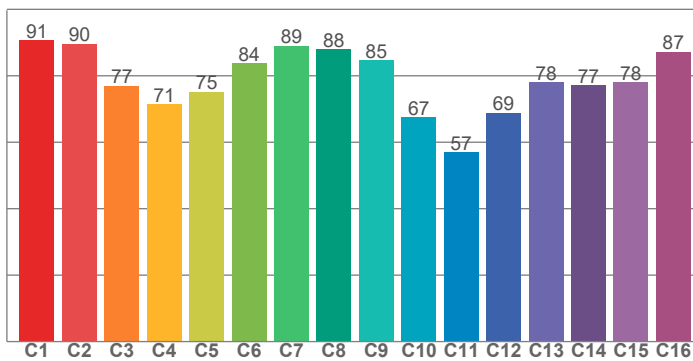
Spectra



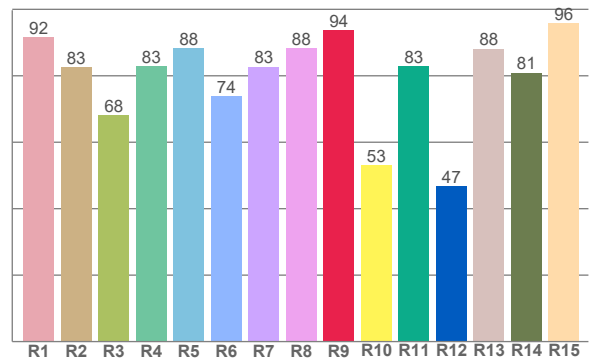
COLOR DETAILS



TM30: 78,6



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
91,7	82,6	68,2	83,0	88,3	73,9	82,7	88,2	93,8	53,0	83,0	46,7	88,1	80,9	95,9

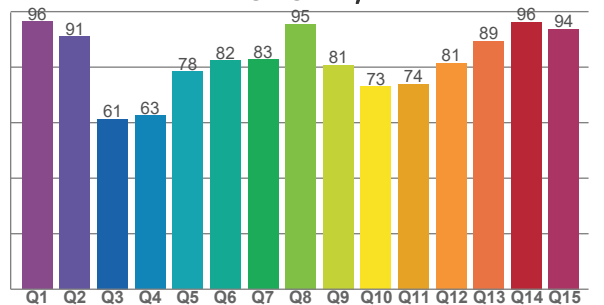
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,7	89,6	77,0	71,5	75,1	83,7	89,0	87,9	84,7	67,4	56,9	68,8	78,1	77,1	78,0	87,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,4	91,0	61,3	62,6	78,3	82,5	82,8	95,5	80,8	73,0	73,9	81,5	89,4	96,3	93,7

CQS: 79,4



COLOR PARAMETERS

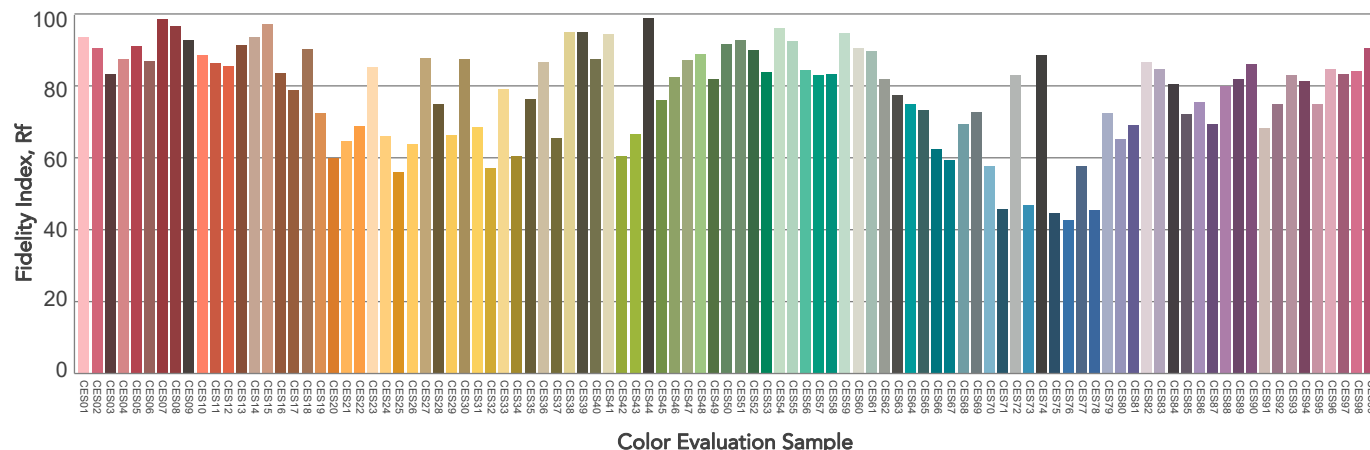
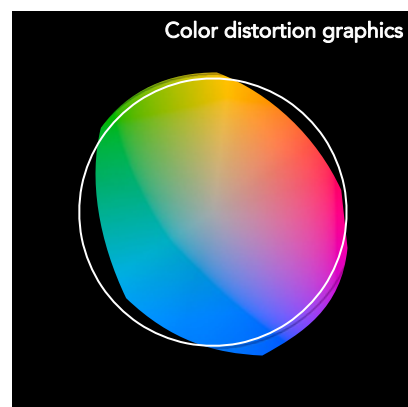
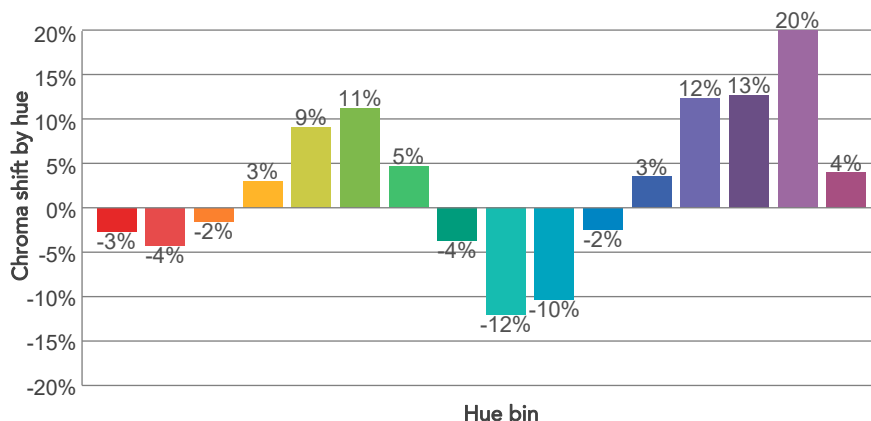
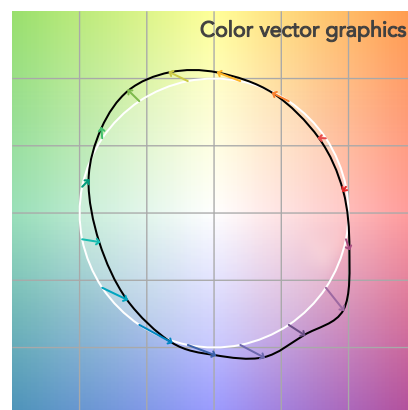
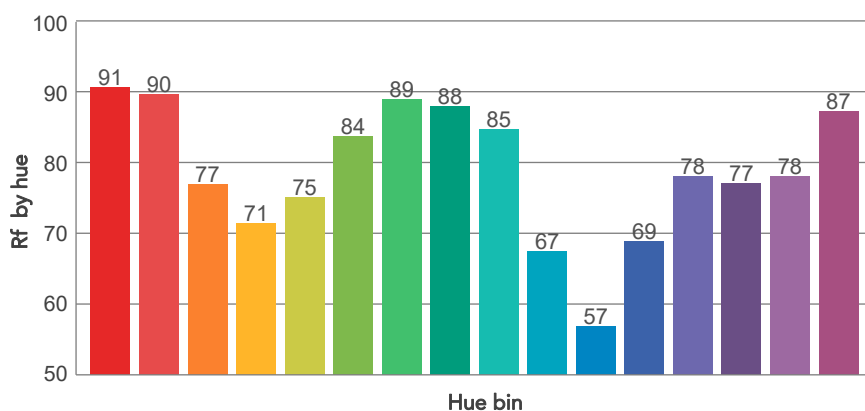
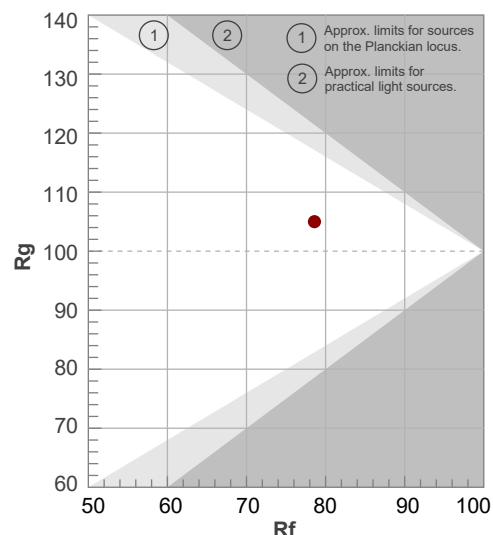
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6014 K	82,3	93,8	78,6	105,0	79,4	72	0,322	0,326	-0,0033

TM30 DETAILS

Rf 78,6
Fidelity index Rf

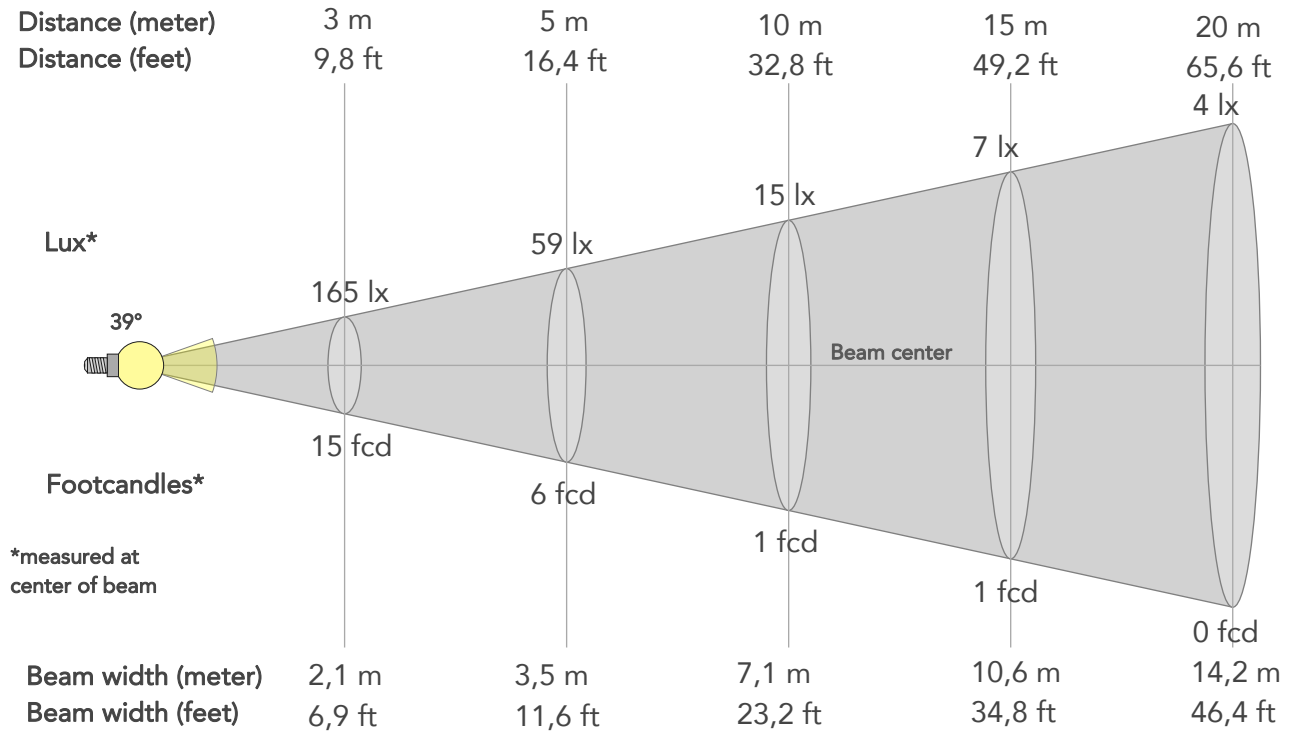
Rg 105,0
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-3%	-3%
2	90	-4%	3%
3	77	-2%	13%
4	71	3%	17%
5	75	9%	12%
6	84	11%	2%
7	89	5%	-6%
8	88	-4%	-6%
9	85	-12%	4%
10	67	-10%	17%
11	57	-2%	27%
12	69	3%	21%
13	78	12%	15%
14	77	13%	5%
15	78	20%	-6%
16	87	4%	-7%



BEAM DETAILS

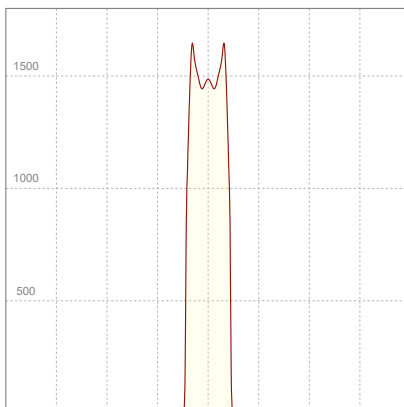
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39°	41,2°	42,6°	99,5%	99,4%



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	1485lx	371lx	165lx	93lx	59lx	26lx	15lx	7lx	4lx	2lx	2lx	1lx	1lx
Footcand.	138fcd	34fcd	15fcd	9fcd	6fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,7m	1,4m	2,1m	2,8m	3,5m	5,3m	7,1m	10,6m	14,2m	17,7m	21,2m	28,3m	35,4m
Beam wid.	2,3ft	4,7ft	6,9ft	9,3ft	11,6ft	17,4ft	23,2ft	34,8ft	46,4ft	58ft	69,6ft	92,9ft	116,1ft

LINEAR DISTRIBUTION DIAGRAM

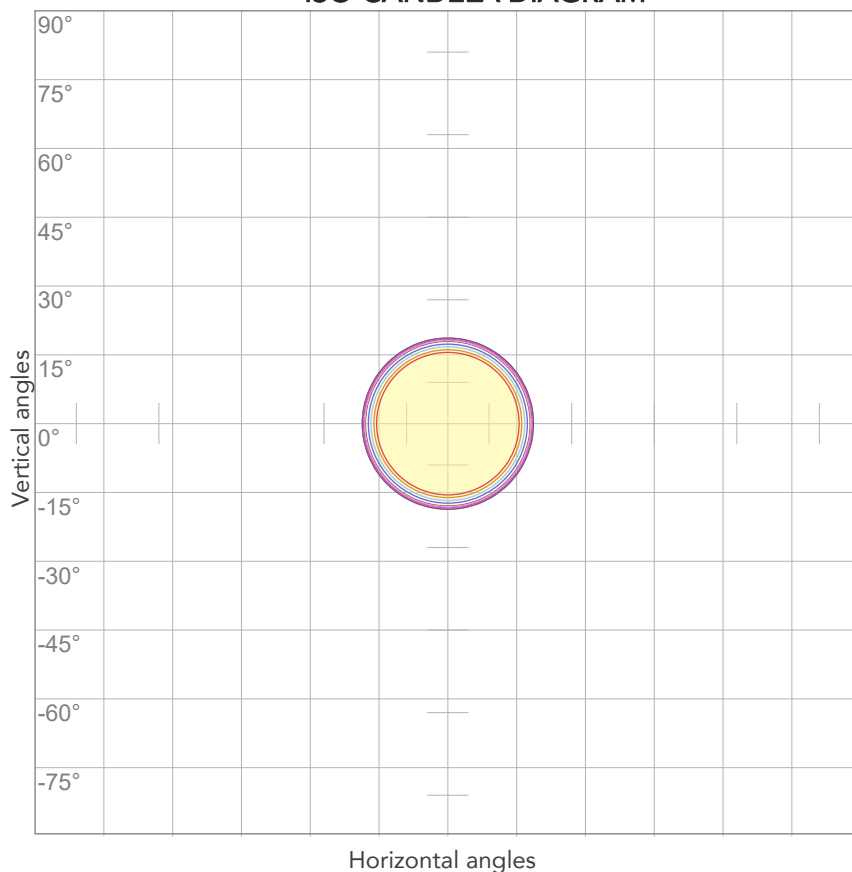


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,147A	29,1W	0,87	18lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



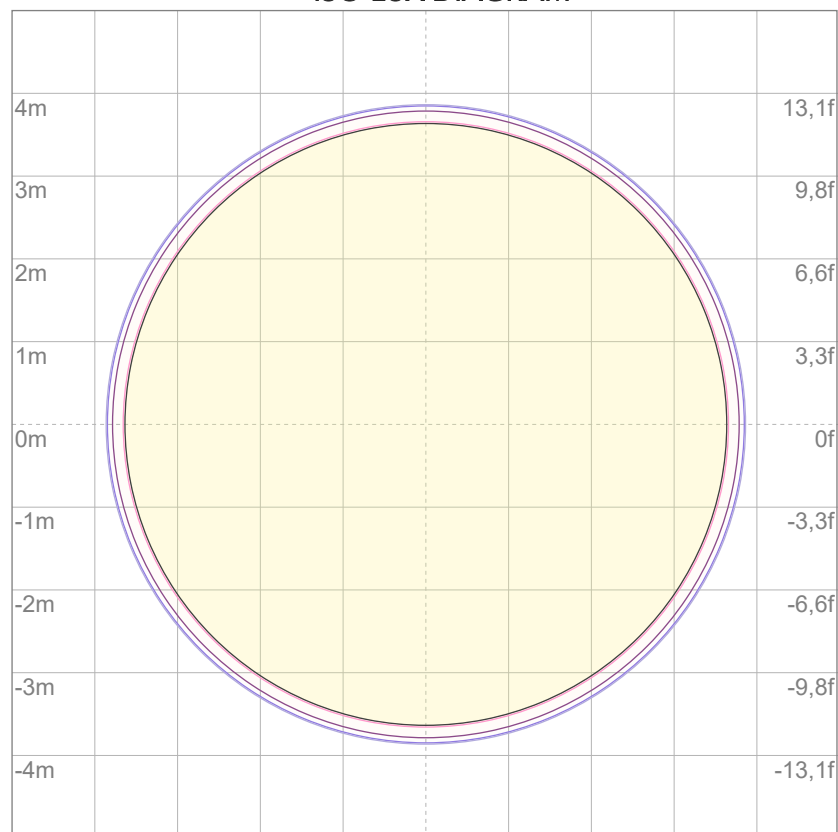
10%	148 cd
20%	297 cd
30%	445 cd
40%	594 cd
50%	742 cd
60%	891 cd
70%	1039 cd
80%	1188 cd

Conditions:

Number of c-planes: 2

Candela at center: 1485 cd

ISO LUX DIAGRAM



3%	0,445 lx
5%	0,742 lx
10%	1,48 lx
30%	4,45 lx
50%	7,42 lx

Conditions:

Number of c-planes: 2

Lux at center: 14,8 lx

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



Total lumen output:

634 lm

Peak candela output:

8159 cd

Light quality:

CRI: 82,5

Color temperature:

6001 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 Lens - Min Zoom

Target:

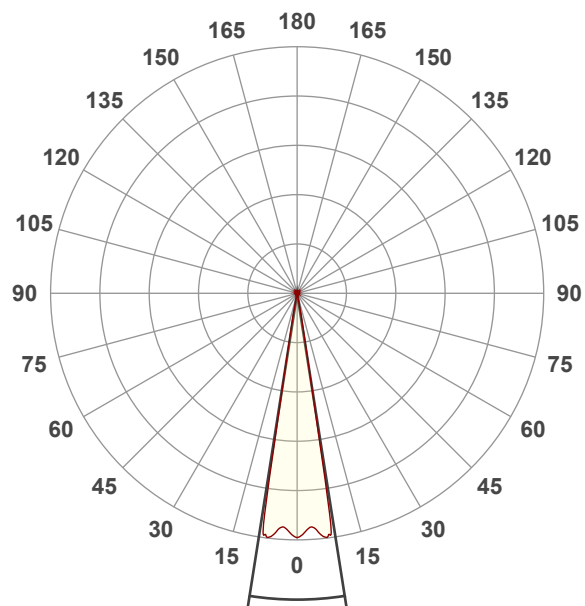
6000K

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 17:07:22

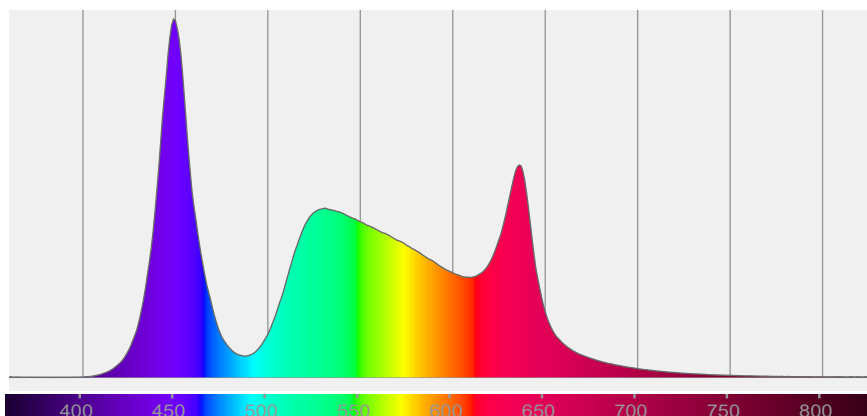


Beam angle 50%: 17,9°

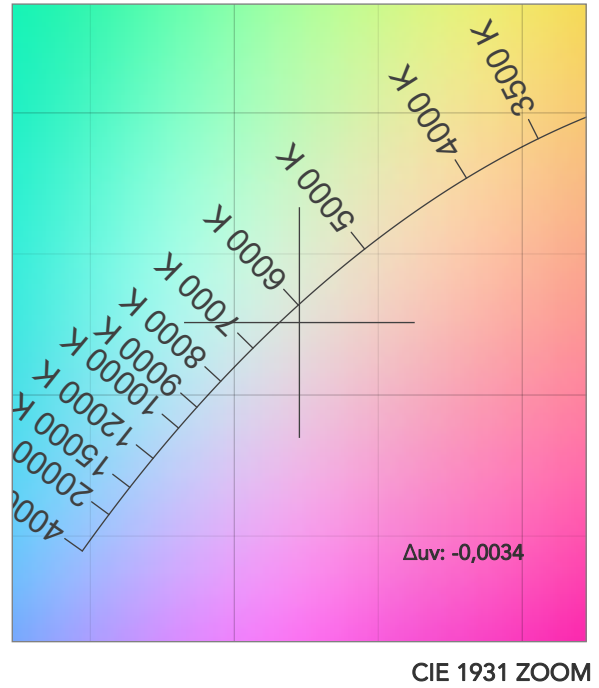
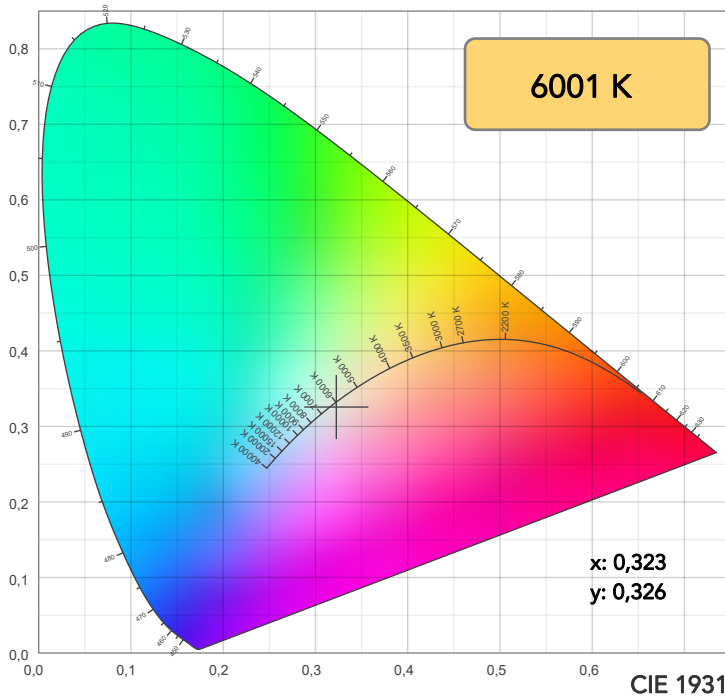
Field angle 10%: 19,7°

Cut off angle 2.5%: 20,5°

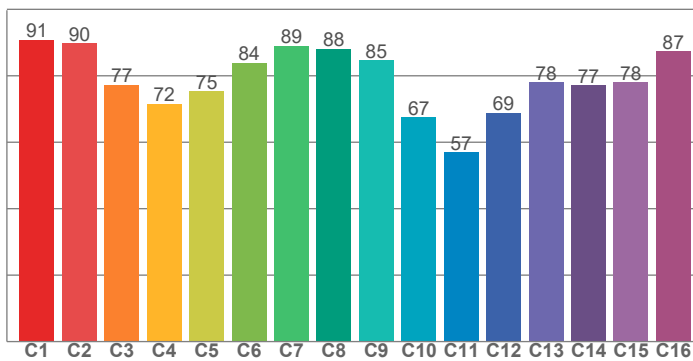
Spectra



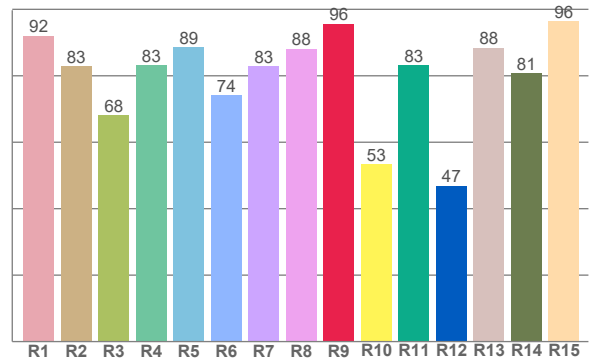
COLOR DETAILS



TM30: 78,7



CRI: 82,5 (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
92,1	82,8	68,2	83,2	88,5	74,1	82,8	88,1	95,7	53,5	83,2	46,9	88,5	80,9	96,4

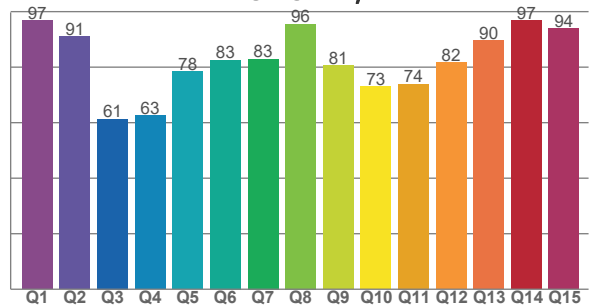
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,9	89,8	77,2	71,6	75,3	83,9	89,1	88,1	84,7	67,5	57,0	68,8	78,0	77,1	78,0	87,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,8	91,0	61,3	62,6	78,4	82,6	82,9	95,6	80,7	73,1	74,0	81,6	89,6	96,8	94,0

CQS: 79,4



COLOR PARAMETERS

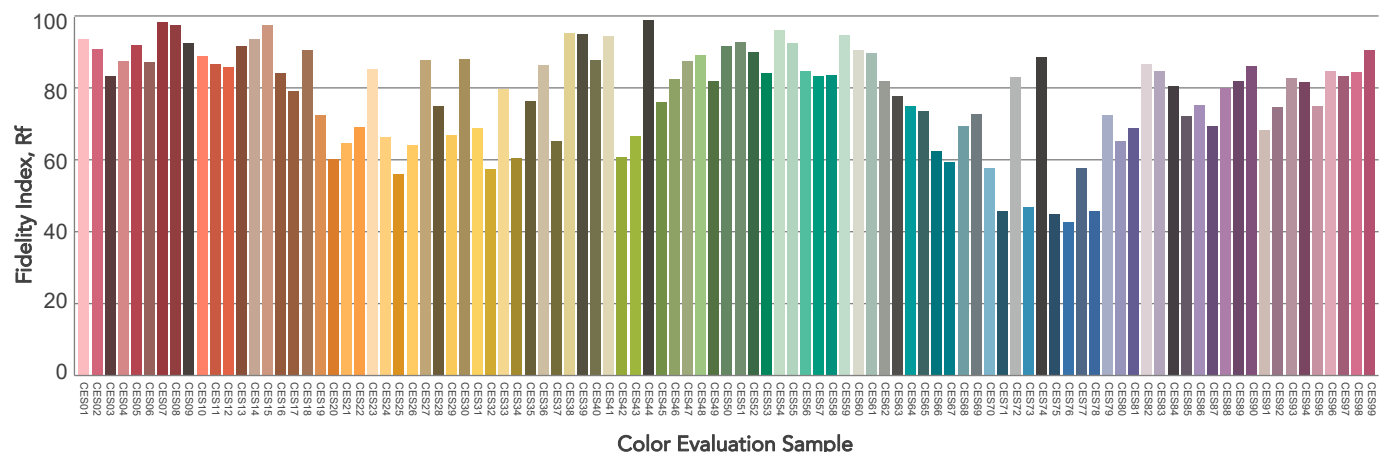
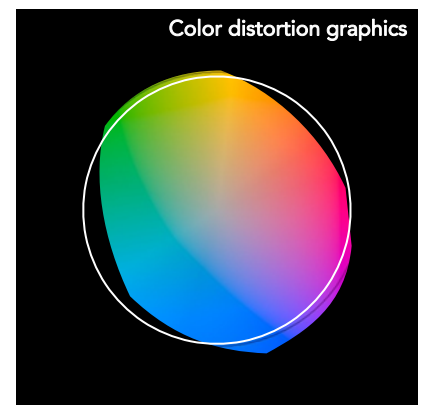
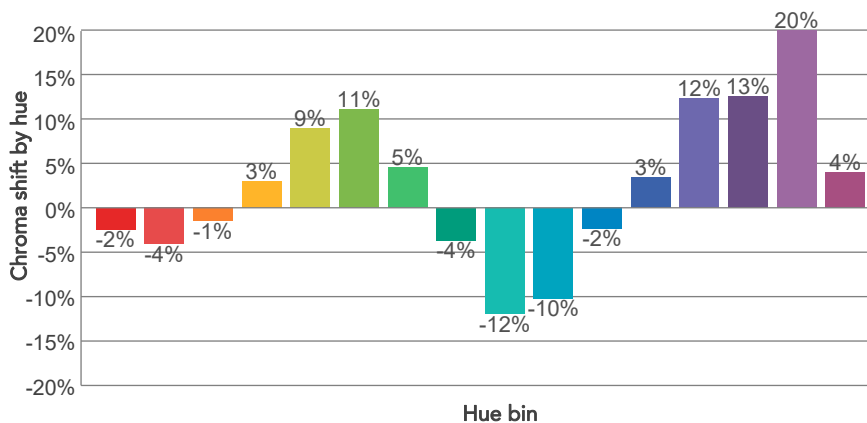
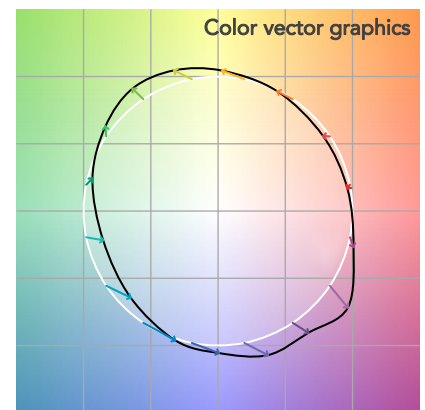
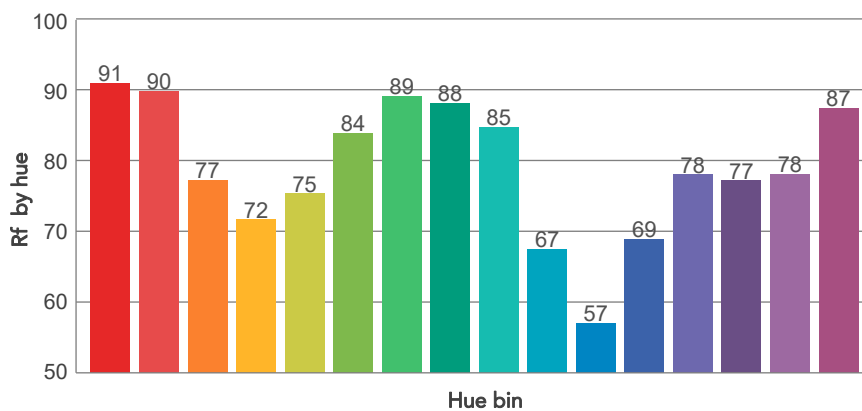
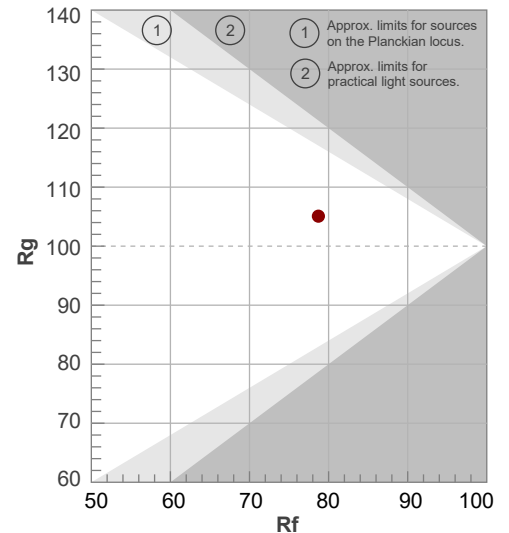
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6001 K	82,5	95,7	78,7	105,1	79,4	73	0,323	0,326	-0,0034

TM30 DETAILS

Rf 78,7
Fidelity index Rf

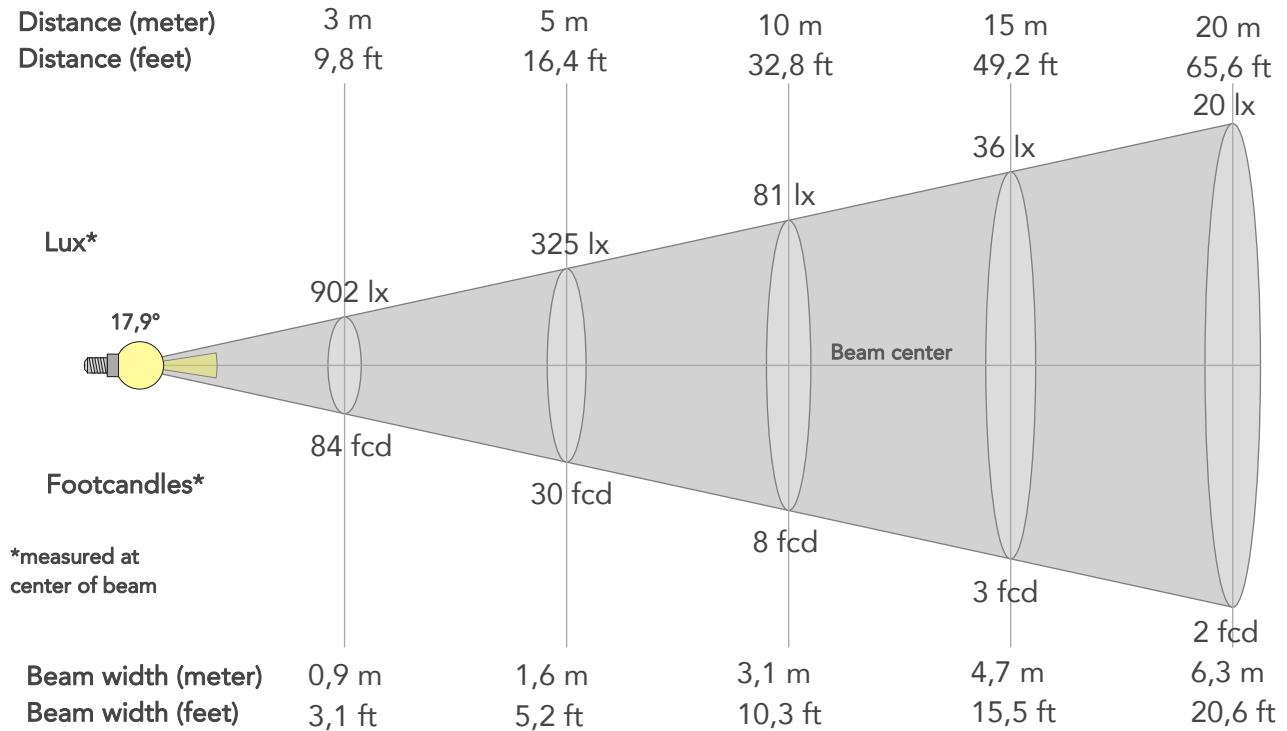
Rg 105,1
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-2%	-2%
2	90	-4%	3%
3	77	-1%	13%
4	72	3%	17%
5	75	9%	12%
6	84	11%	2%
7	89	5%	-6%
8	88	-4%	-6%
9	85	-12%	5%
10	67	-10%	17%
11	57	-2%	27%
12	69	3%	21%
13	78	12%	15%
14	77	13%	6%
15	78	20%	-6%
16	87	4%	-6%



BEAM DETAILS

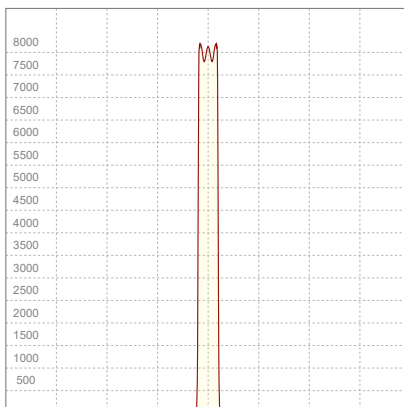
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,9°	19,7°	20,5°	98,9%	98,5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	8118lx	2029lx	902lx	507lx	325lx	144lx	81lx	36lx	20lx	13lx	9lx	5lx	3lx
Footcand.	754fcd	189fcd	84fcd	47fcd	30fcd	13fcd	8fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,3m	1,6m	2,4m	3,1m	4,7m	6,3m	7,9m	9,4m	12,6m	15,7m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,2ft	7,7ft	10,3ft	15,5ft	20,6ft	25,8ft	30,9ft	41,3ft	51,6ft

LINEAR DISTRIBUTION DIAGRAM

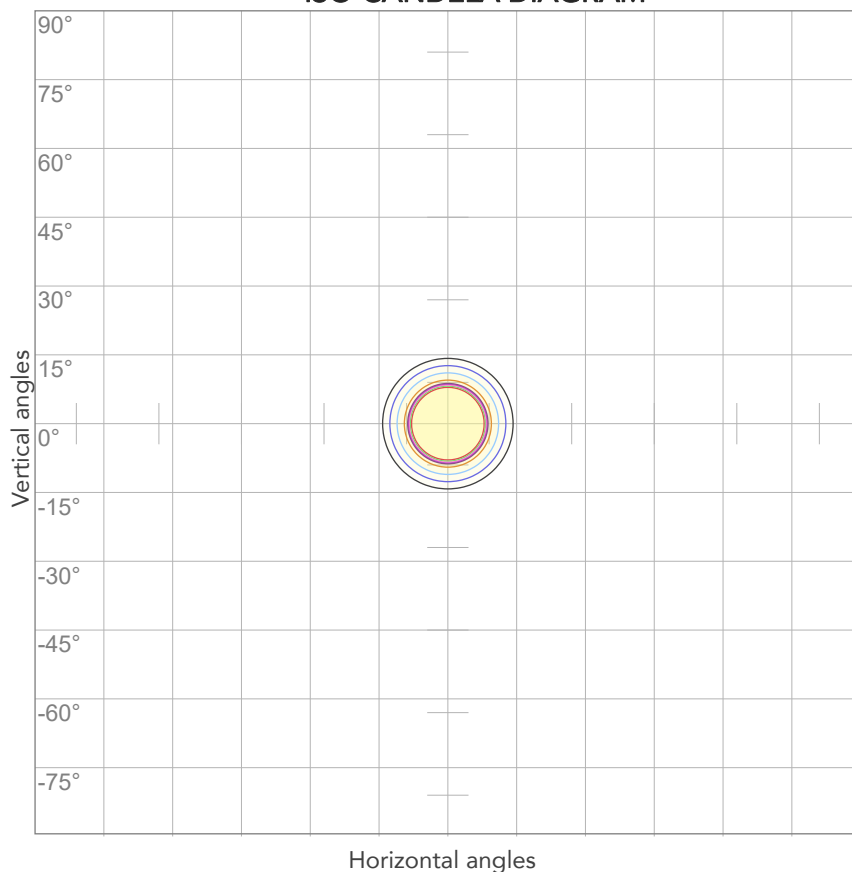


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,147A	29,0W	0,88	22lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



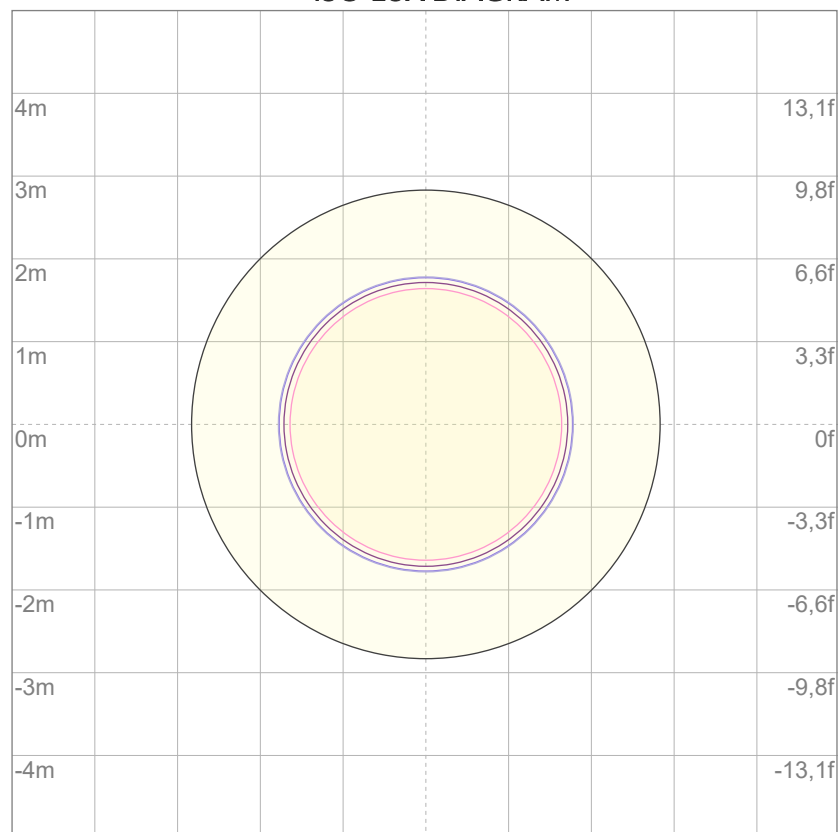
10%	812 cd
20%	1624 cd
30%	2435 cd
40%	3247 cd
50%	4059 cd
60%	4871 cd
70%	5683 cd
80%	6494 cd

Conditions:

Number of c-planes: 2

Candela at center: 8118 cd

ISO LUX DIAGRAM



3%	2,44 lx
5%	4,06 lx
10%	8,12 lx
30%	24,4 lx
50%	40,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 81,2 lx

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