

Photometric Test Report



EclDisplay XBFC

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

ZOOMABLE PROFILE LENS 20-40° HD

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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:

571 lm

Peak candela output:

2684 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 HD Lens - Max Zoom

Target:

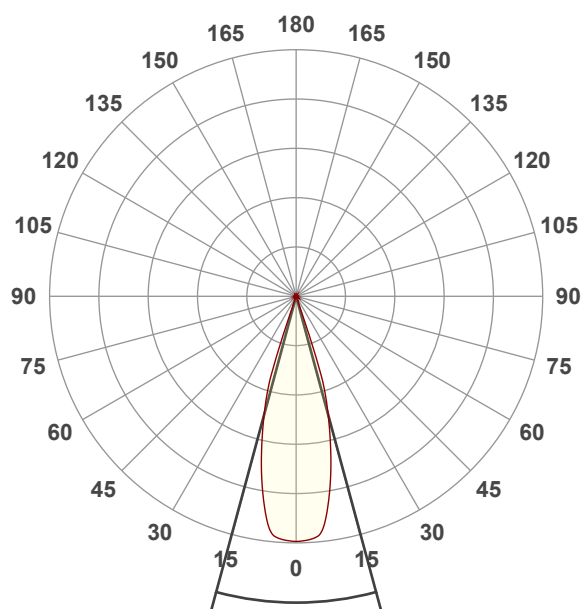
Full On

Operator:

Giuseppe della Peruta

Date and time:

29/07/2025 14:35:28

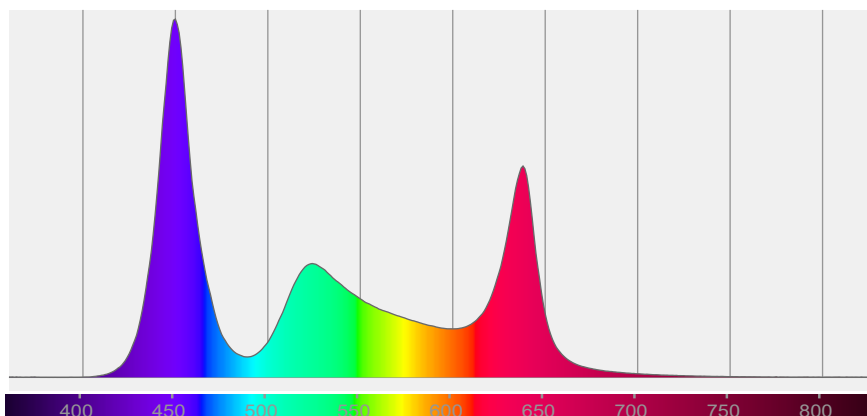


Beam angle 50%: 30,3°

Field angle 10%: 38°

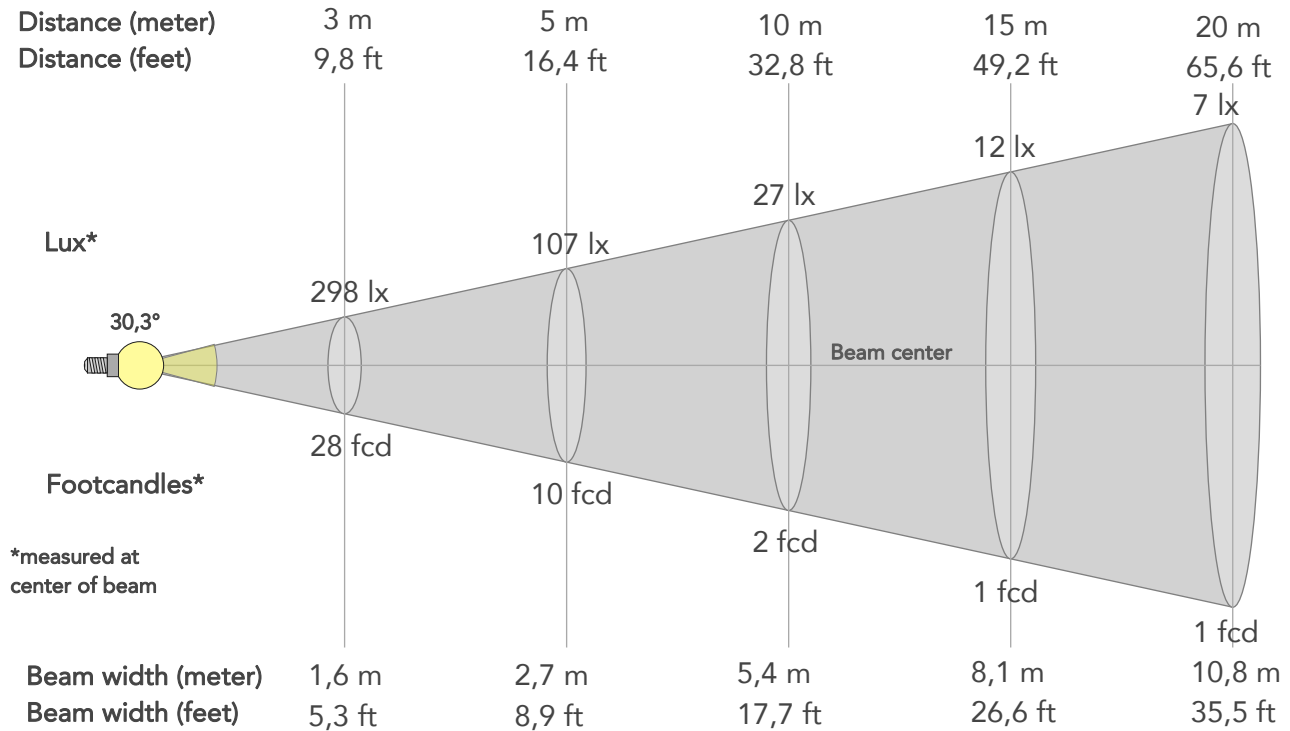
Cut off angle 2.5%: 38,9°

Spectra



BEAM DETAILS

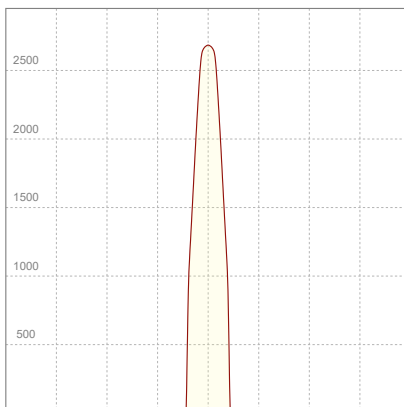
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
30,3°	38°	38,9°	99,3%	99,0%



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	2684lx	671lx	298lx	168lx	107lx	48lx	27lx	12lx	7lx	4lx	3lx	2lx	1lx
Footcand.	249fcd	62fcd	28fcd	16fcd	10fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1,1m	1,6m	2,2m	2,7m	4,1m	5,4m	8,1m	10,8m	13,5m	16,2m	21,6m	27m
Beam wid.	1,8ft	3,6ft	5,3ft	7,1ft	8,9ft	13,3ft	17,7ft	26,6ft	35,5ft	44,3ft	53,2ft	71ft	88,7ft

LINEAR DISTRIBUTION DIAGRAM

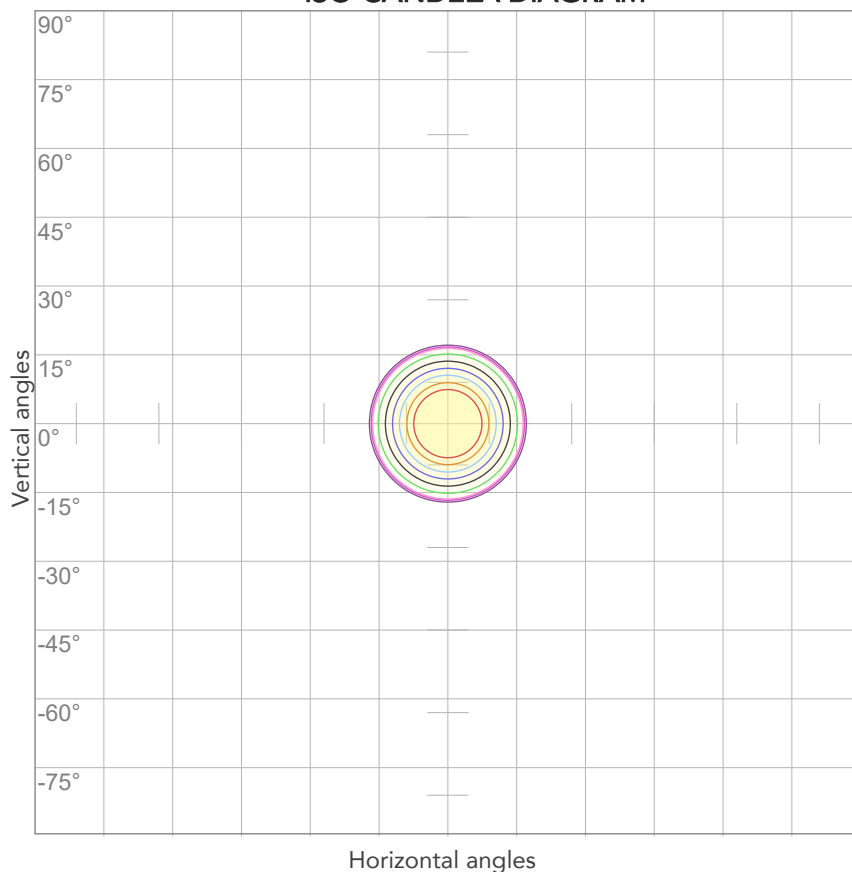


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,217A	45,9W	0,94	12lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



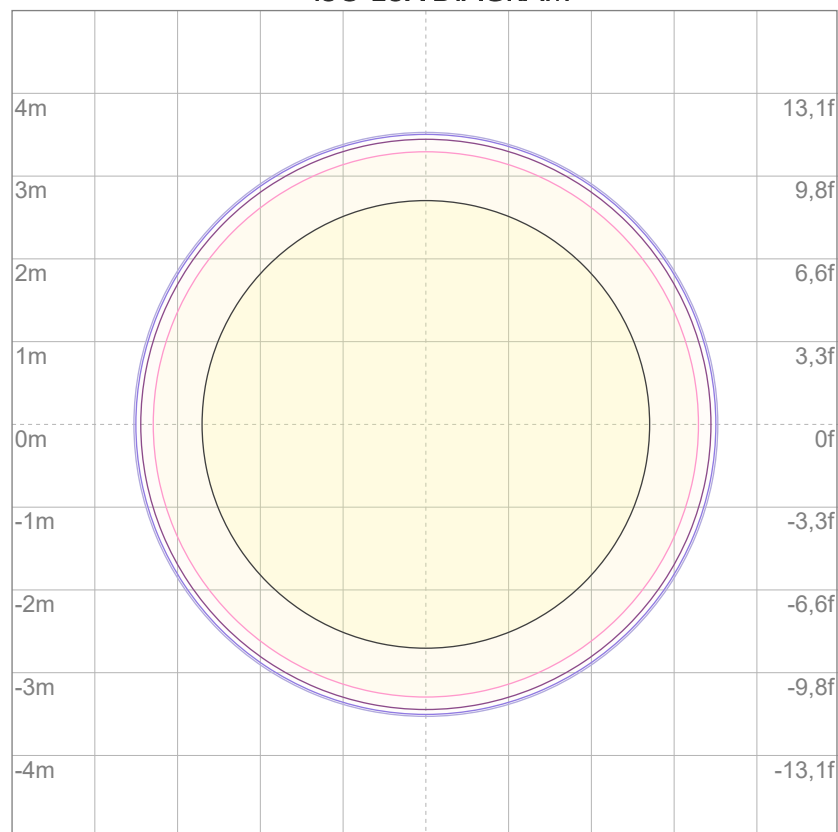
10%	268 cd
20%	537 cd
30%	805 cd
40%	1074 cd
50%	1342 cd
60%	1610 cd
70%	1879 cd
80%	2147 cd

Conditions:

Number of c-planes: 2

Candela at center: 2684 cd

ISO LUX DIAGRAM



3%	0,805 lx
5%	1,34 lx
10%	2,68 lx
30%	8,05 lx
50%	13,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 26,8 lx

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



Total lumen output:

584 lm

Peak candela output:

9301 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 HD Lens - Min Zoom

Target:

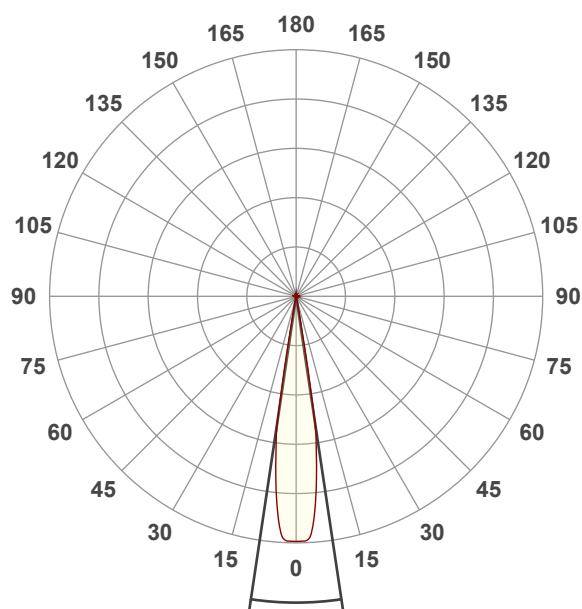
Full On

Operator:

Giuseppe della Peruta

Date and time:

30/07/2025 09:04:40

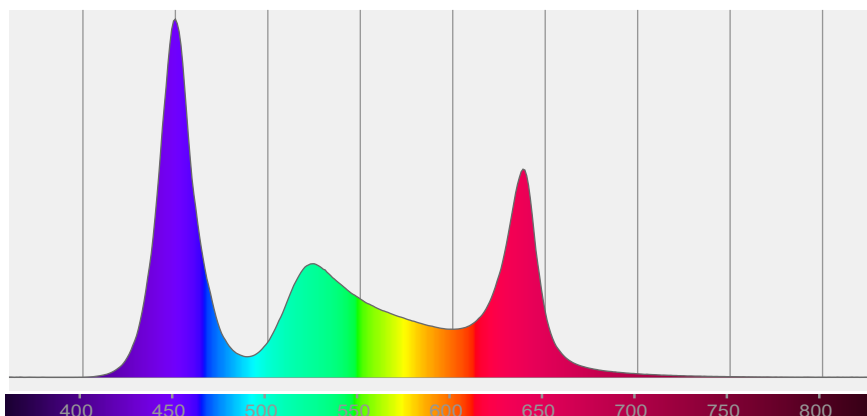


Beam angle 50%: 17°

Field angle 10%: 20,1°

Cut off angle 2.5%: 20,7°

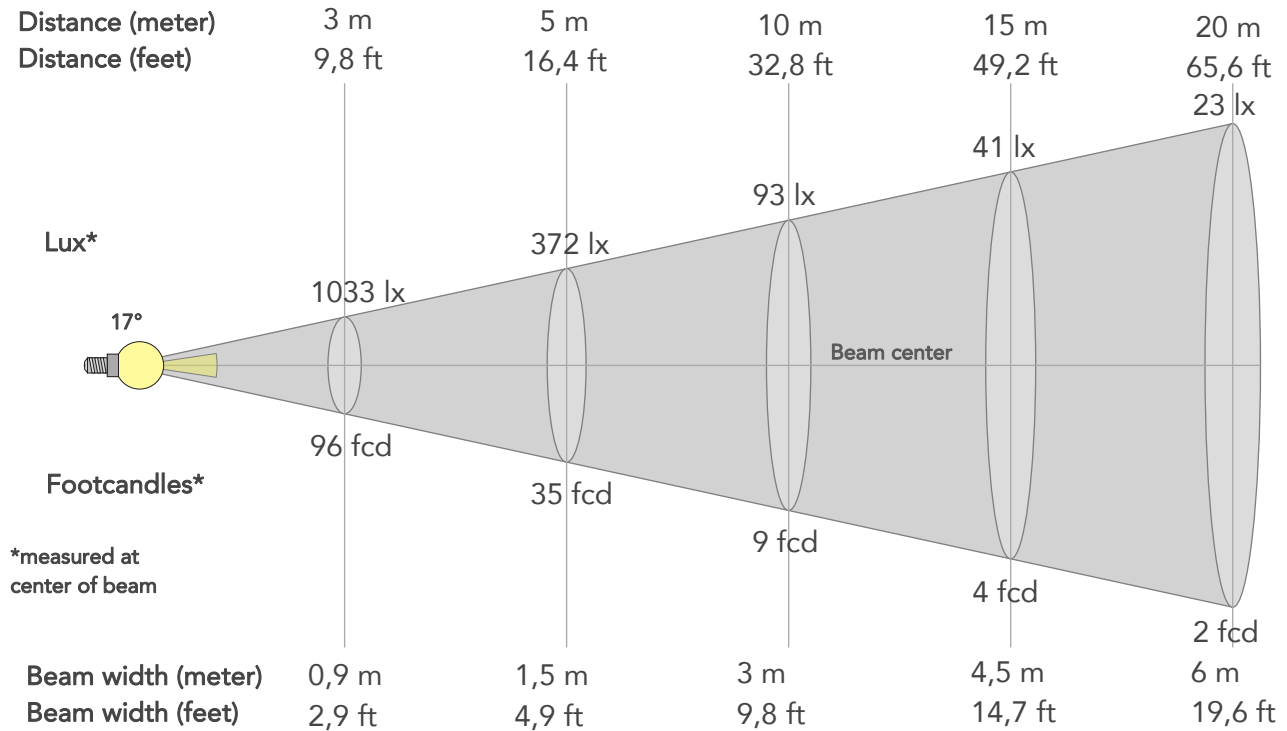
Spectra



BEAM DETAILS



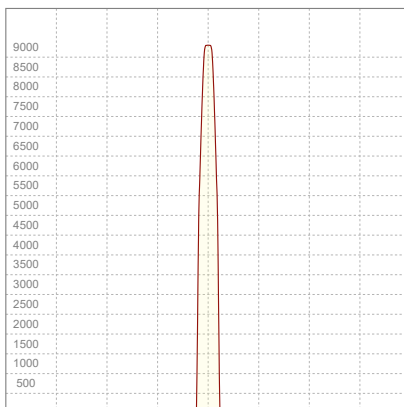
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17°	20,1°	20,7°	99,5%	99,3%



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	9301lx	2325lx	1033lx	581lx	372lx	165lx	93lx	41lx	23lx	15lx	10lx	6lx	4lx
Footcand.	864fcd	216fcd	96fcd	54fcd	35fcd	15fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,5m	2,2m	3m	4,5m	6m	7,5m	9m	11,9m	14,9m
Beam wid.	1ft	2ft	2,9ft	3,9ft	4,9ft	7,3ft	9,8ft	14,7ft	19,6ft	24,5ft	29,4ft	39,2ft	49ft

LINEAR DISTRIBUTION DIAGRAM

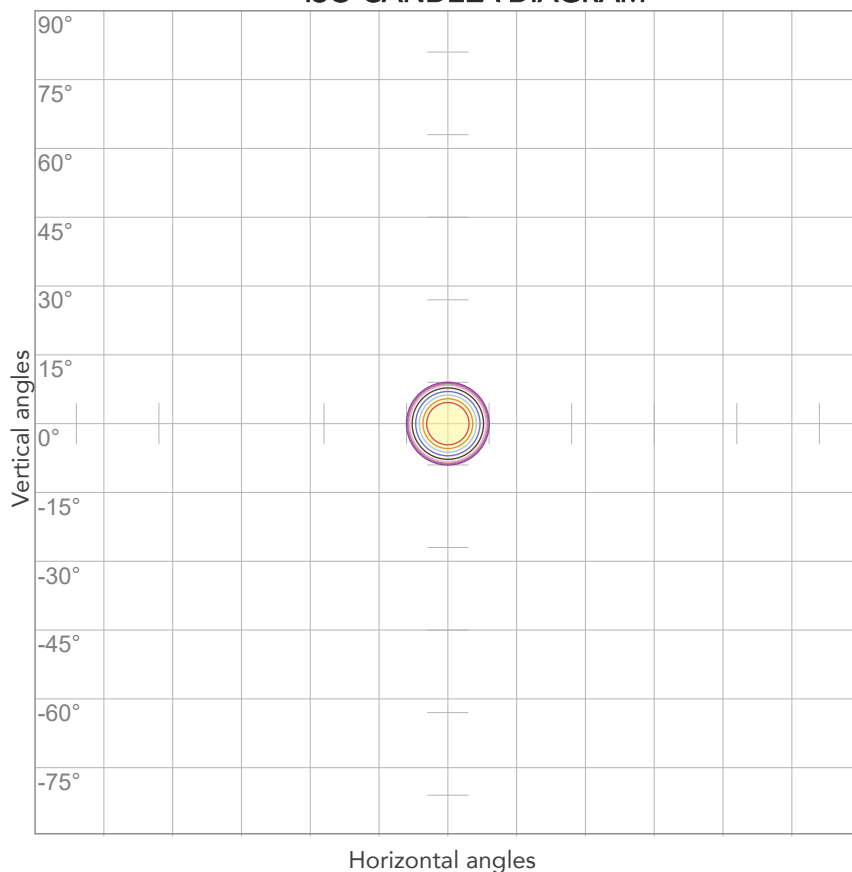


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
229V	0,214A	45,9W	0,93	13lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



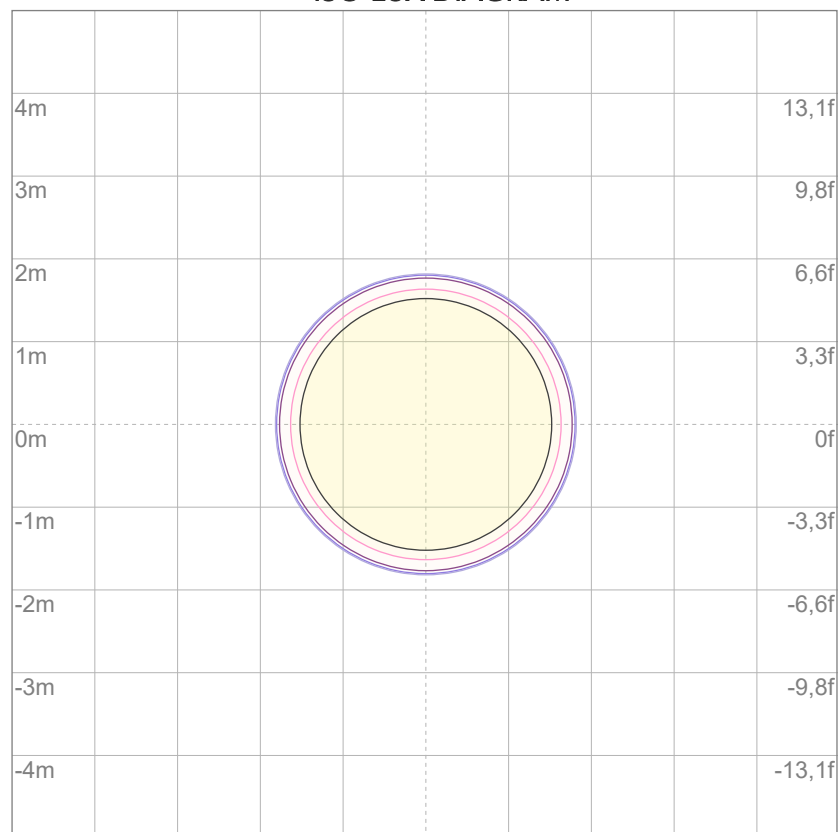
10%	930 cd
20%	1860 cd
30%	2790 cd
40%	3721 cd
50%	4651 cd
60%	5581 cd
70%	6511 cd
80%	7441 cd

Conditions:

Number of c-planes: 2

Candela at center: 9301 cd

ISO LUX DIAGRAM



3%	2,79 lx
5%	4,65 lx
10%	9,30 lx
30%	27,9 lx
50%	46,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 93,0 lx

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



Total lumen output:

91,8 lm

Peak candela output:

402 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 HD Lens - Max Zoom

Target:

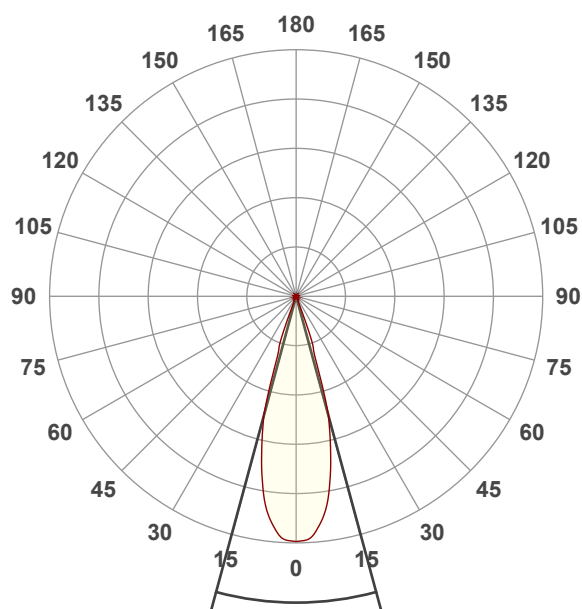
Red

Operator:

Giuseppe della Peruta

Date and time:

29/07/2025 14:43:30

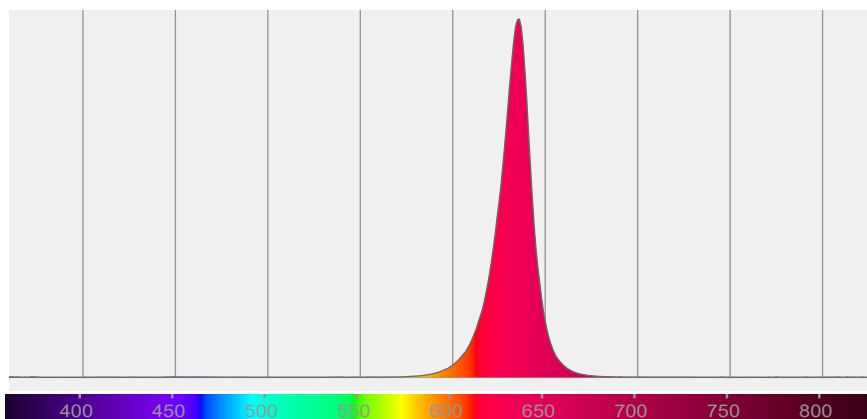


Beam angle 50%: 30,3°

Field angle 10%: 40,9°

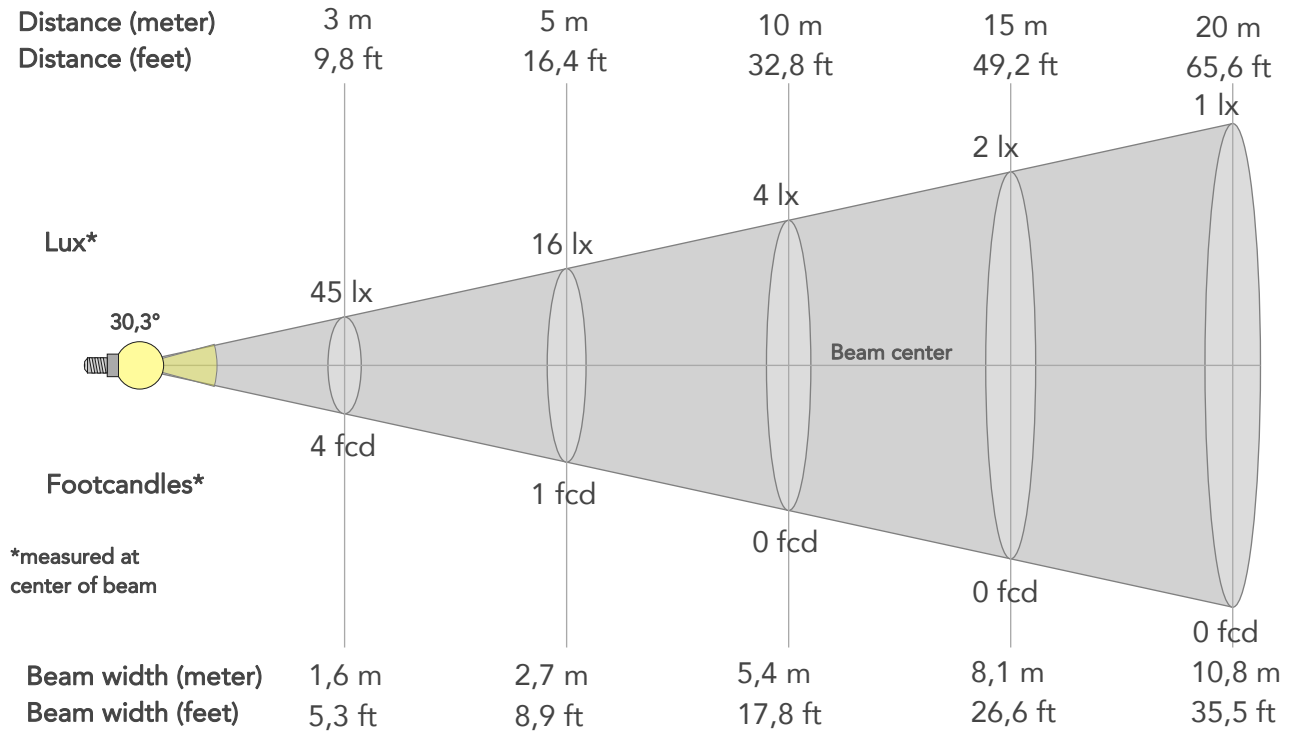
Cut off angle 2.5%: 42,8°

Spectra



BEAM DETAILS

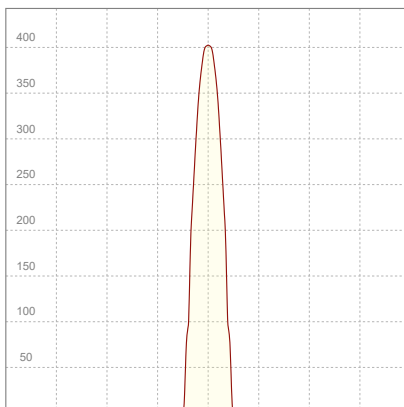
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
30,3°	40,9°	42,8°	96,5%	95,1%



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	402lx	101lx	45lx	25lx	16lx	7lx	4lx	2lx	1lx	1lx	0lx	0lx	0lx
Footcand.	37fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1,1m	1,6m	2,2m	2,7m	4,1m	5,4m	8,1m	10,8m	13,5m	16,2m	21,7m	27,1m
Beam wid.	1,8ft	3,6ft	5,3ft	7,1ft	8,9ft	13,3ft	17,8ft	26,6ft	35,5ft	44,4ft	53,3ft	71ft	88,8ft

LINEAR DISTRIBUTION DIAGRAM

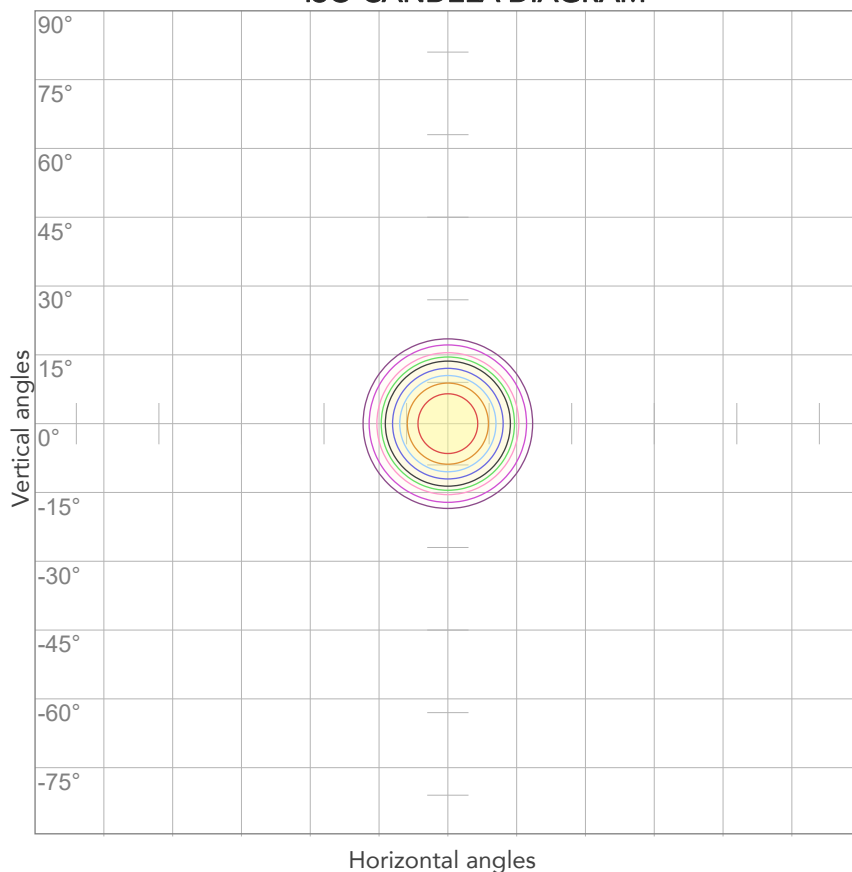


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,071A	9,1W	0,56	10lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



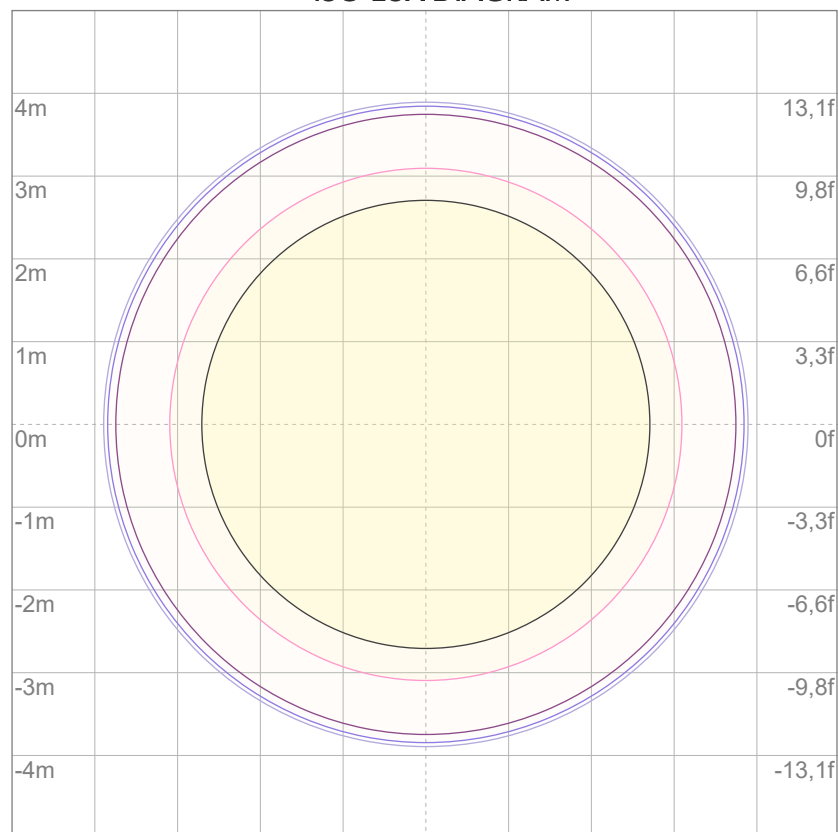
10%	40 cd
20%	80 cd
30%	121 cd
40%	161 cd
50%	201 cd
60%	241 cd
70%	282 cd
80%	322 cd

Conditions:

Number of c-planes: 2

Candela at center: 402 cd

ISO LUX DIAGRAM



3%	0,121 lx
5%	0,201 lx
10%	0,402 lx
30%	1,21 lx
50%	2,01 lx

Conditions:

Number of c-planes: 2

Lux at center: 4,02 lx

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



Total lumen output:

89,5 lm

Peak candela output:

1377 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 HD Lens - Min Zoom

Target:

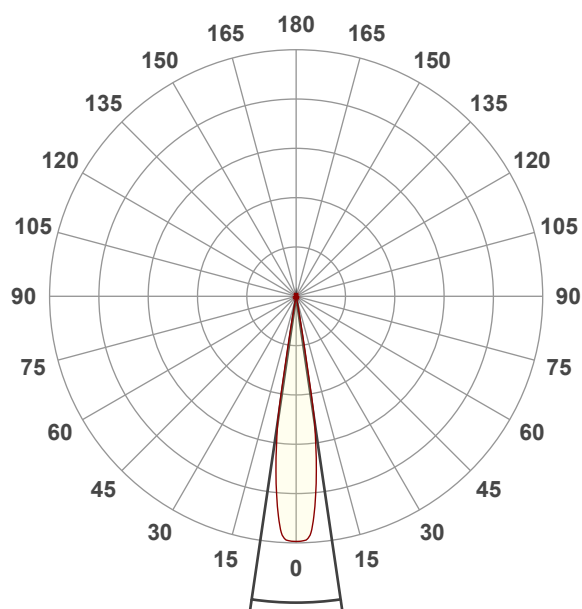
Red

Operator:

Giuseppe della Peruta

Date and time:

30/07/2025 09:07:24

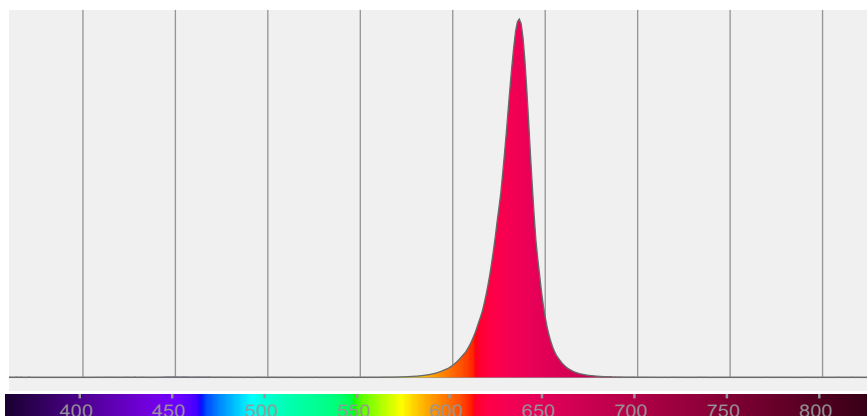


Beam angle 50%: 16,7°

Field angle 10%: 19,9°

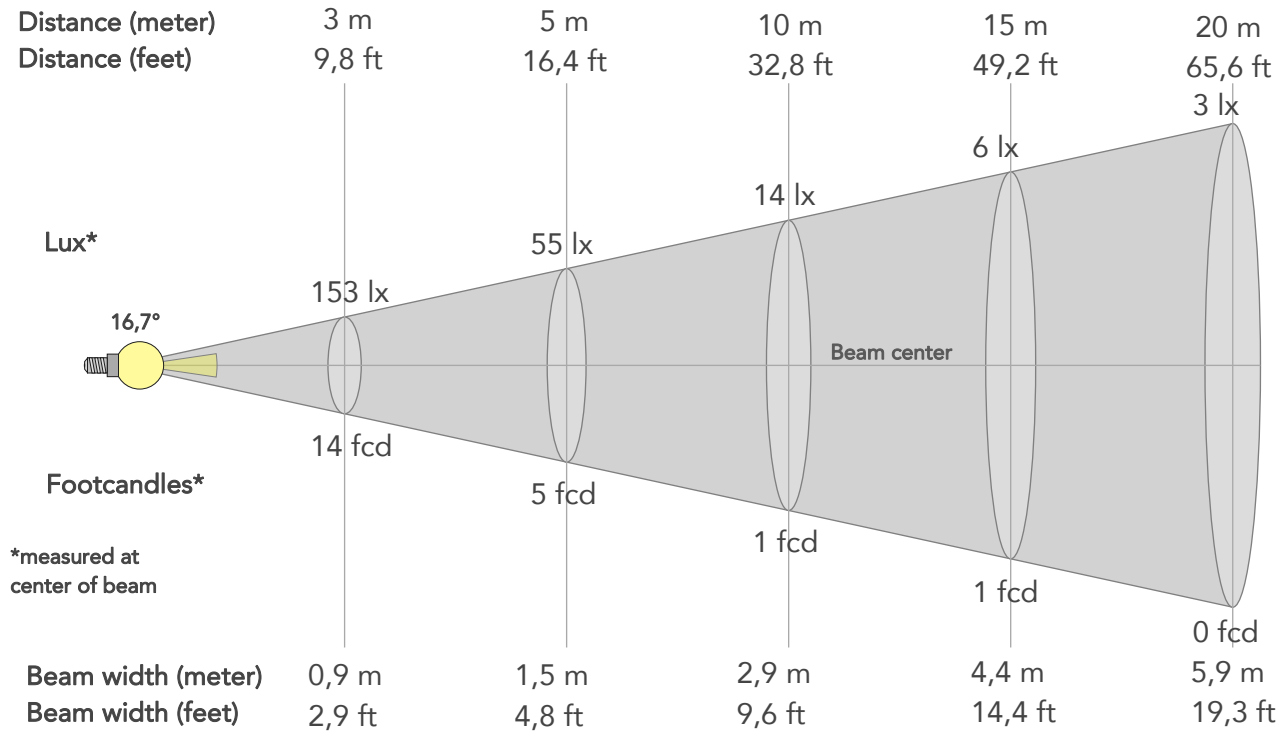
Cut off angle 2.5%: 20,9°

Spectra



BEAM DETAILS

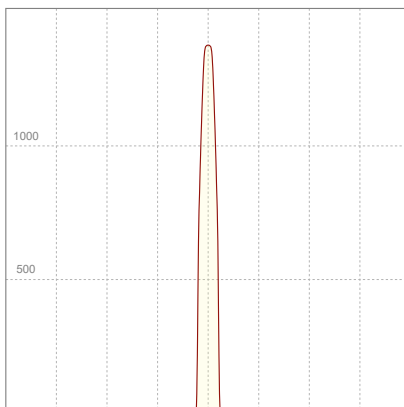
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16,7°	19,9°	20,9°	96,5%	95,2%



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	1377lx	344lx	153lx	86lx	55lx	24lx	14lx	6lx	3lx	2lx	2lx	1lx	1lx
Footcand.	128fcd	32fcd	14fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,5m	2,2m	2,9m	4,4m	5,9m	7,3m	8,8m	11,7m	14,7m
Beam wid.	1ft	1,9ft	2,9ft	3,8ft	4,8ft	7,2ft	9,6ft	14,4ft	19,3ft	24,1ft	28,9ft	38,5ft	48,1ft

LINEAR DISTRIBUTION DIAGRAM

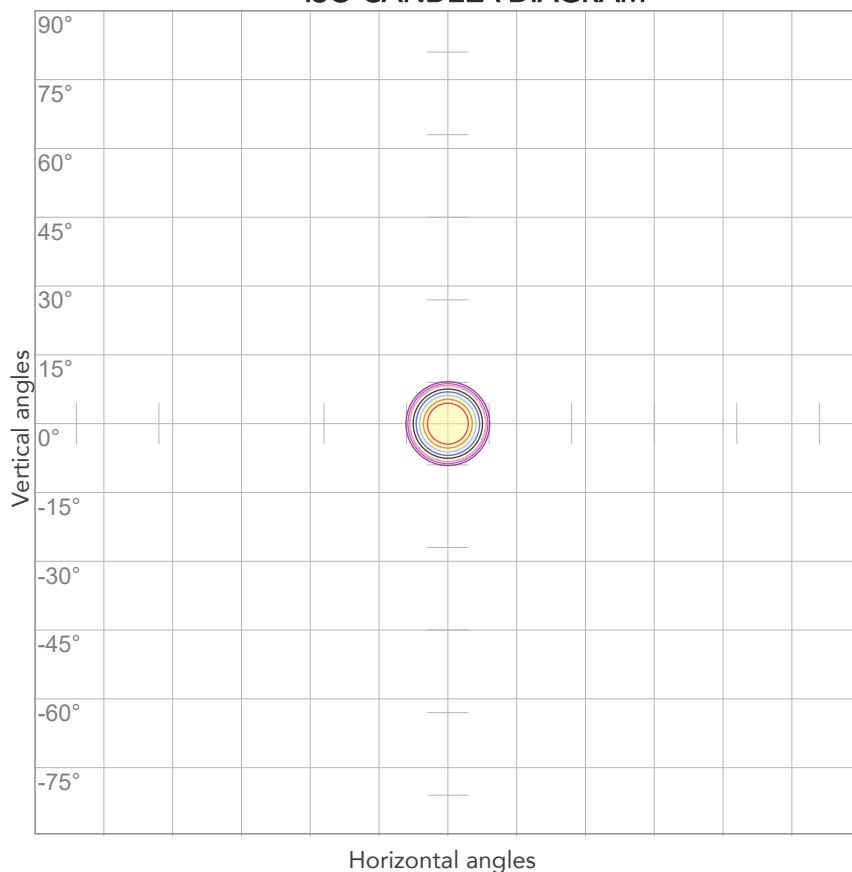


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
229V	0,078A	8,8W	0,49	10lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



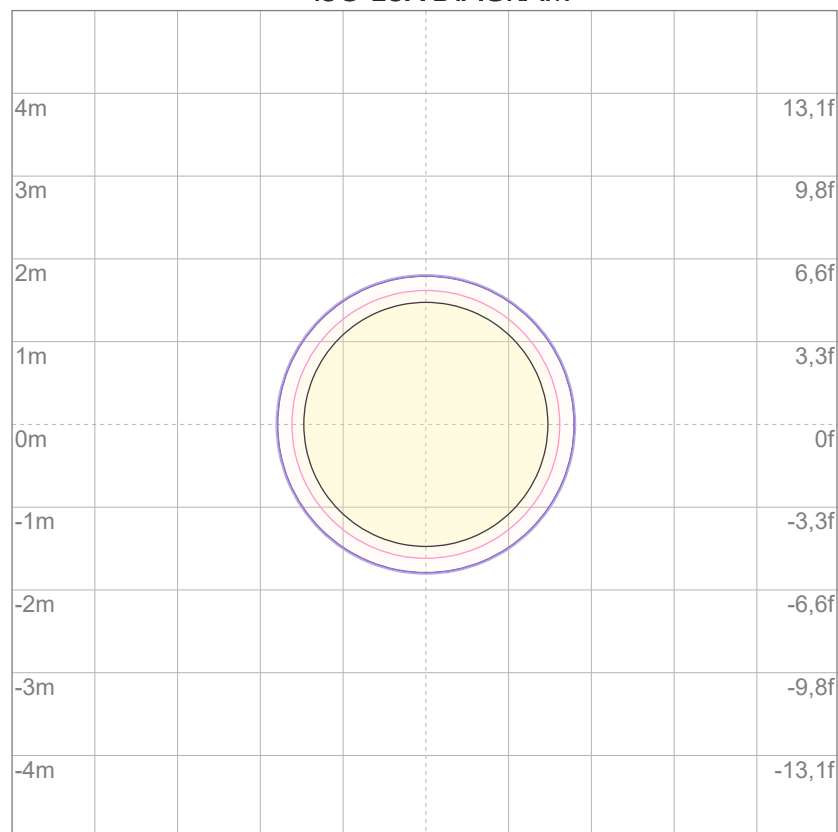
10%	138 cd
20%	275 cd
30%	413 cd
40%	551 cd
50%	688 cd
60%	826 cd
70%	964 cd
80%	1101 cd

Conditions:

Number of c-planes: 2

Candela at center: 1377 cd

ISO LUX DIAGRAM



3%	0,413 lx
5%	0,688 lx
10%	1,38 lx
30%	4,13 lx
50%	6,88 lx

Conditions:

Number of c-planes: 2

Lux at center: 13,8 lx

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



Total lumen output:

133 lm

Peak candela output:

616 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 HD Lens - Max Zoom

Target:

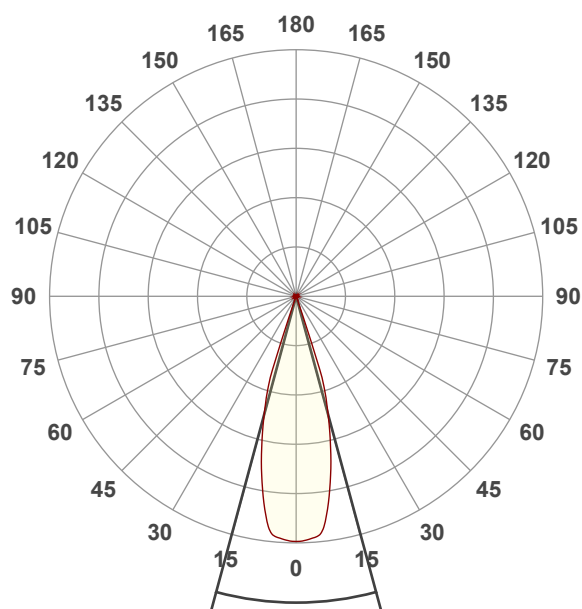
Green

Operator:

Giuseppe della Peruta

Date and time:

29/07/2025 14:45:21

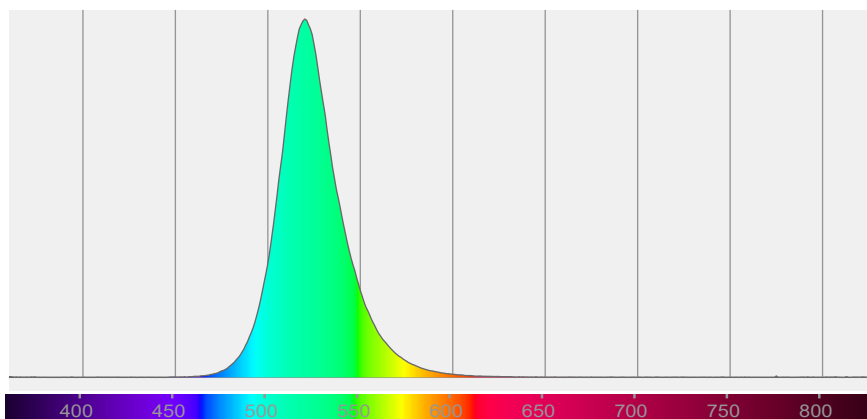


Beam angle 50%: 30,3°

Field angle 10%: 37,7°

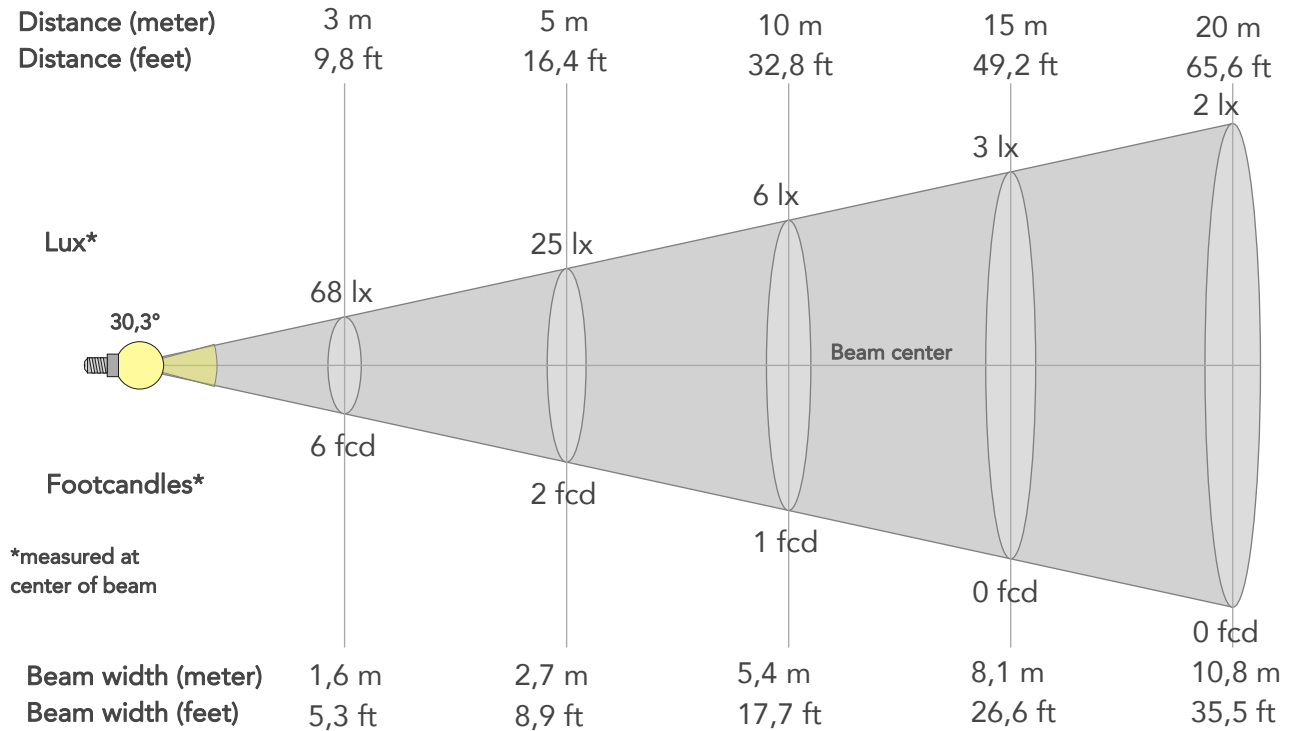
Cut off angle 2.5%: 39,2°

Spectra



BEAM DETAILS

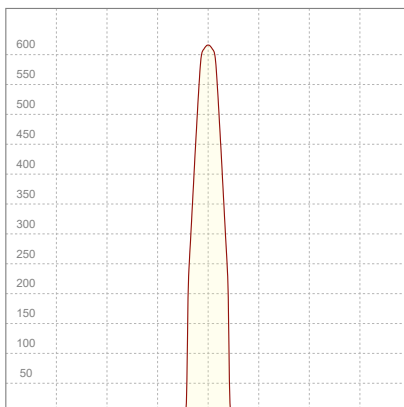
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
30,3°	37,7°	39,2°	98,6%	98,1%



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	616lx	154lx	68lx	38lx	25lx	11lx	6lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	57fcd	14fcd	6fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1,1m	1,6m	2,2m	2,7m	4,1m	5,4m	8,1m	10,8m	13,5m	16,2m	21,6m	27m
Beam wid.	1,8ft	3,6ft	5,3ft	7,1ft	8,9ft	13,3ft	17,7ft	26,6ft	35,5ft	44,3ft	53,2ft	70,9ft	88,7ft

LINEAR DISTRIBUTION DIAGRAM

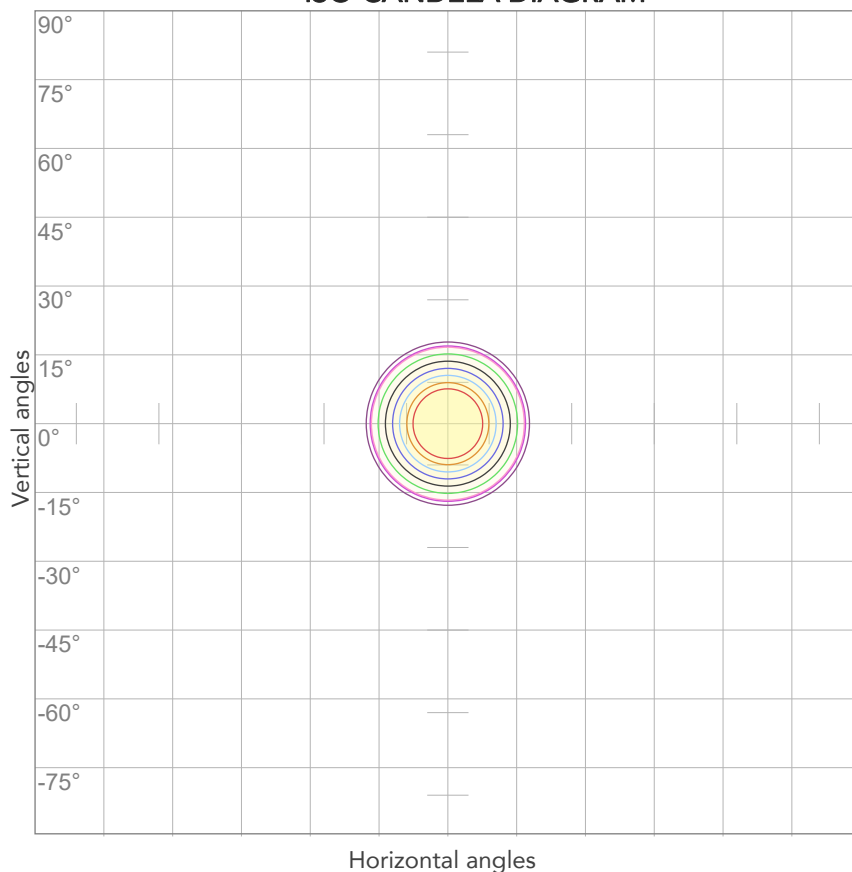


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,080A	10,3W	0,57	13lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



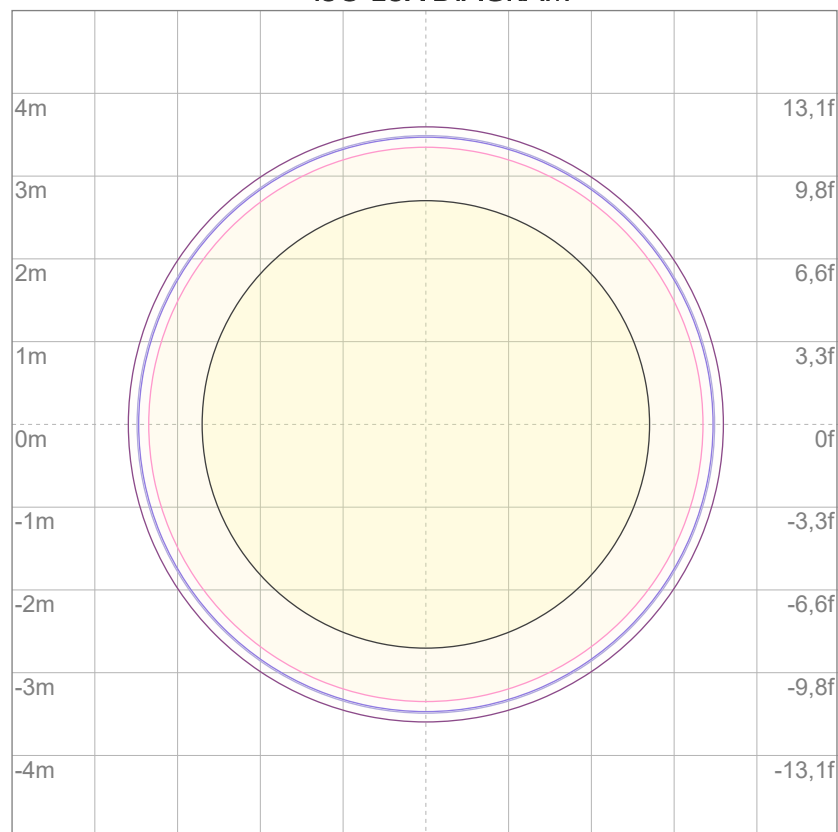
10%	62 cd
20%	123 cd
30%	185 cd
40%	246 cd
50%	308 cd
60%	369 cd
70%	431 cd
80%	493 cd

Conditions:

Number of c-planes: 2

Candela at center: 616 cd

ISO LUX DIAGRAM



3%	0,185 lx
5%	0,308 lx
10%	0,616 lx
30%	1,85 lx
50%	3,08 lx

Conditions:

Number of c-planes: 2

Lux at center: 6,16 lx

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



Total lumen output:

141 lm

Peak candela output:

2142 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 HD Lens - Min Zoom

Target:

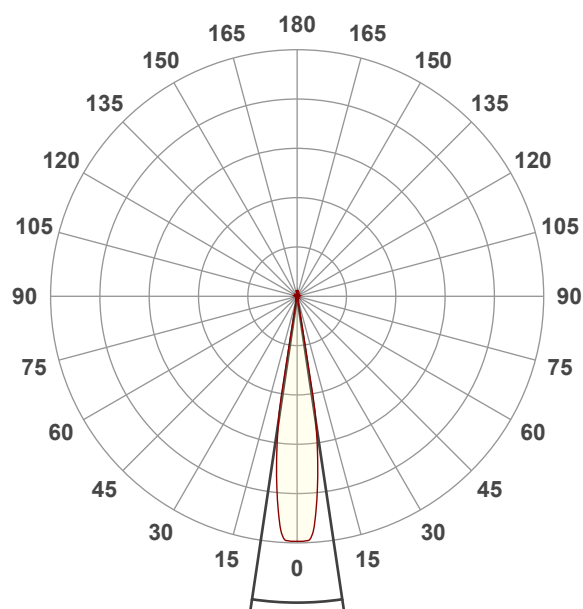
Green

Operator:

Giuseppe della Peruta

Date and time:

30/07/2025 09:10:14

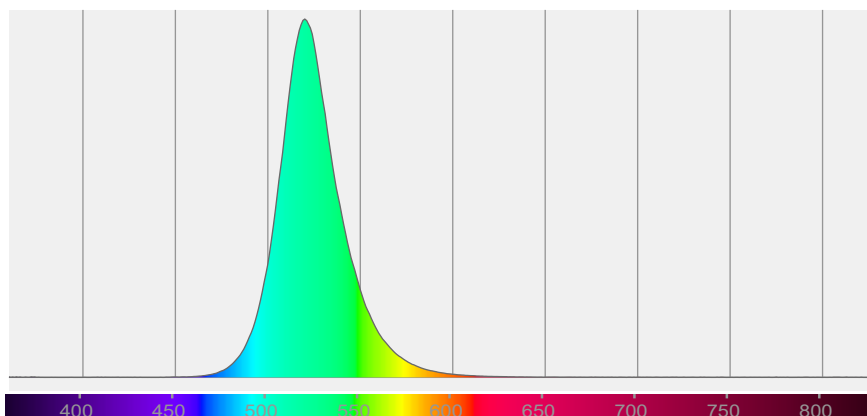


Beam angle 50%: 16,9°

Field angle 10%: 19,6°

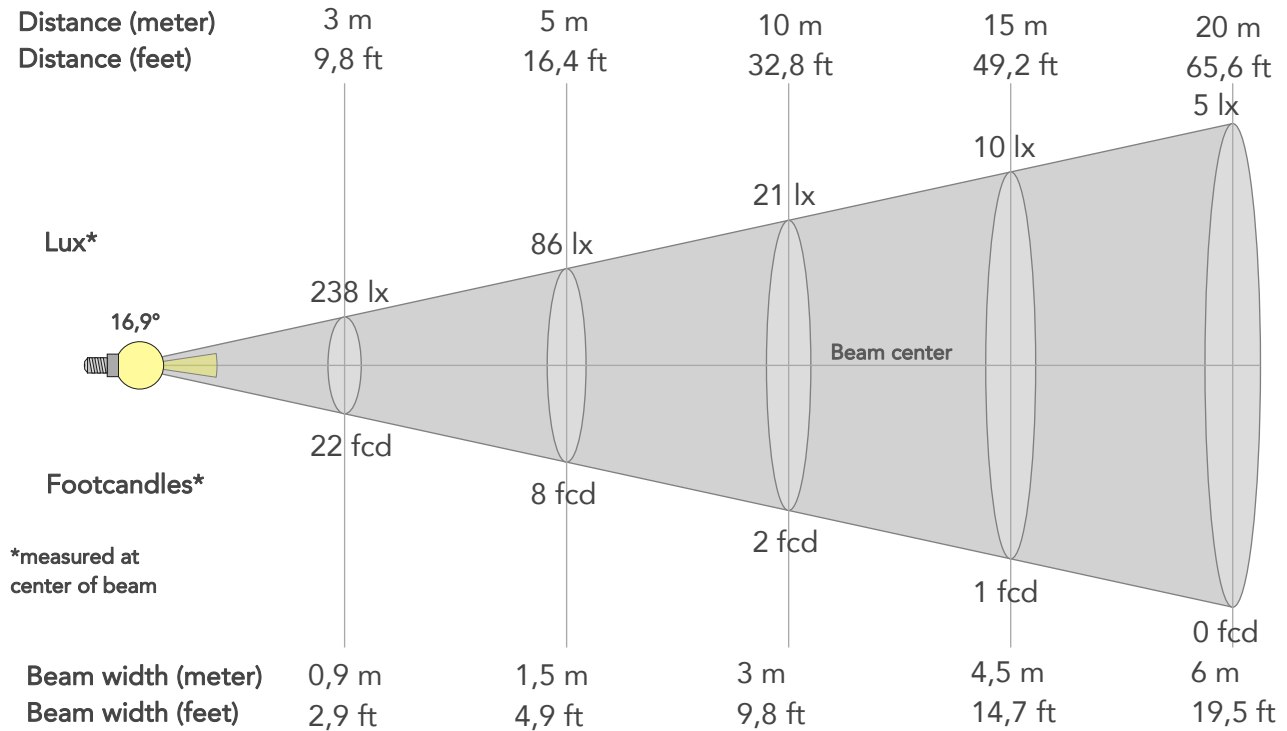
Cut off angle 2.5%: 20°

Spectra



BEAM DETAILS

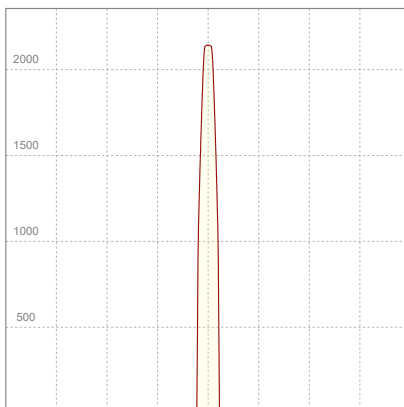
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16,9°	19,6°	20°	97,2%	96,1%



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	2141lx	535lx	238lx	134lx	86lx	38lx	21lx	10lx	5lx	3lx	2lx	1lx	1lx
Footcand.	199fcd	50fcd	22fcd	12fcd	8fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,5m	2,2m	3m	4,5m	6m	7,4m	8,9m	11,9m	14,9m
Beam wid.	1ft	2ft	2,9ft	3,9ft	4,9ft	7,3ft	9,8ft	14,7ft	19,5ft	24,4ft	29,3ft	39,1ft	48,8ft

LINEAR DISTRIBUTION DIAGRAM

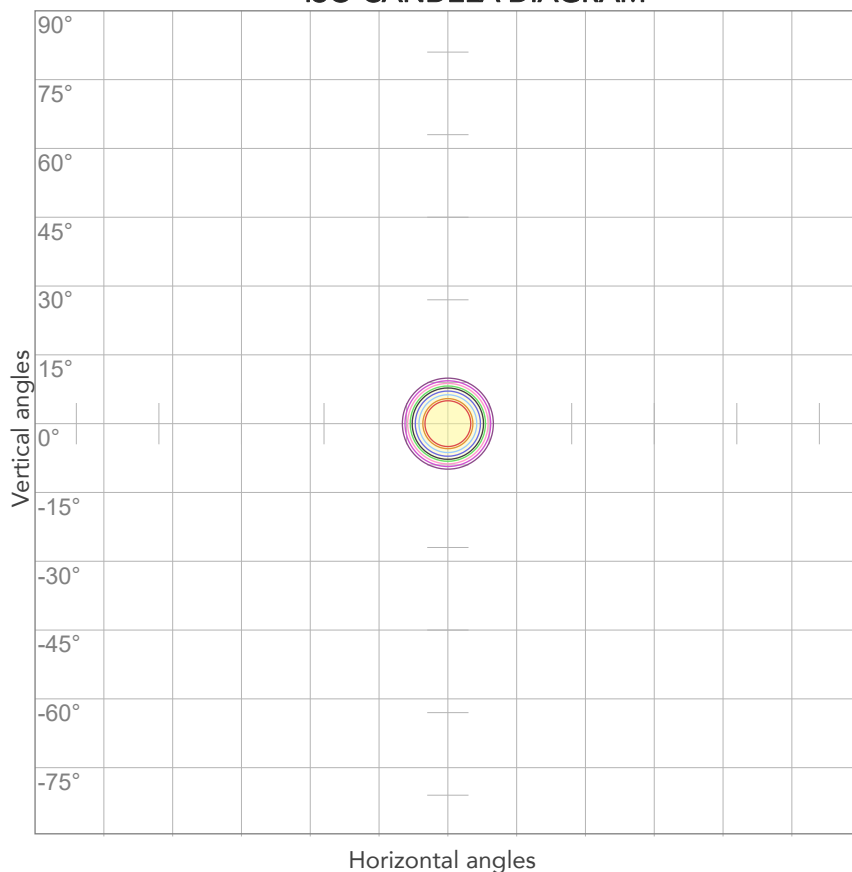


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,080A	10,3W	0,57	14lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



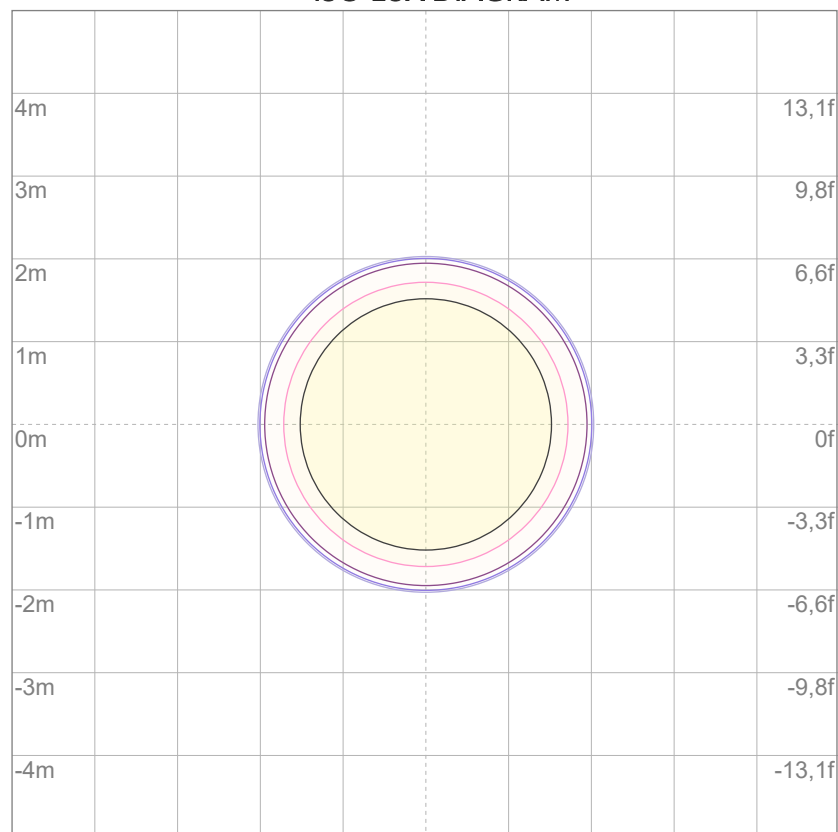
10%	214 cd
20%	428 cd
30%	642 cd
40%	857 cd
50%	1071 cd
60%	1285 cd
70%	1499 cd
80%	1713 cd

Conditions:

Number of c-planes: 2

Candela at center: 2141 cd

ISO LUX DIAGRAM



3%	0,642 lx
5%	1,07 lx
10%	2,14 lx
30%	6,42 lx
50%	10,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 21,4 lx

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



Total lumen output:

44,6 lm

Peak candela output:

184 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 HD Lens - Max Zoom

Target:

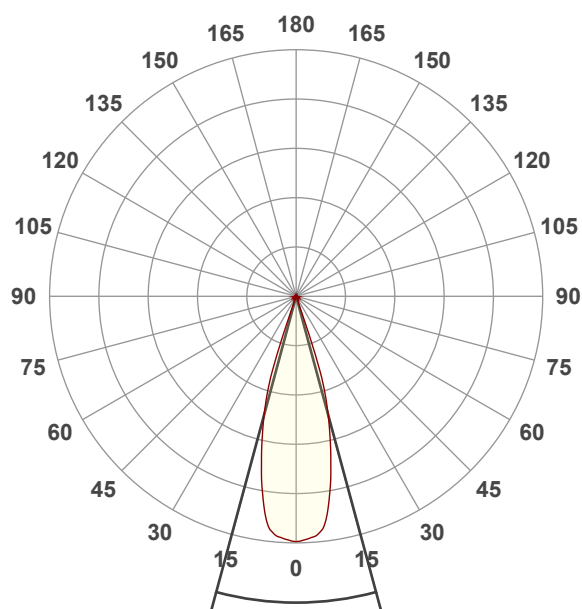
Blue

Operator:

Giuseppe della Peruta

Date and time:

29/07/2025 14:47:46

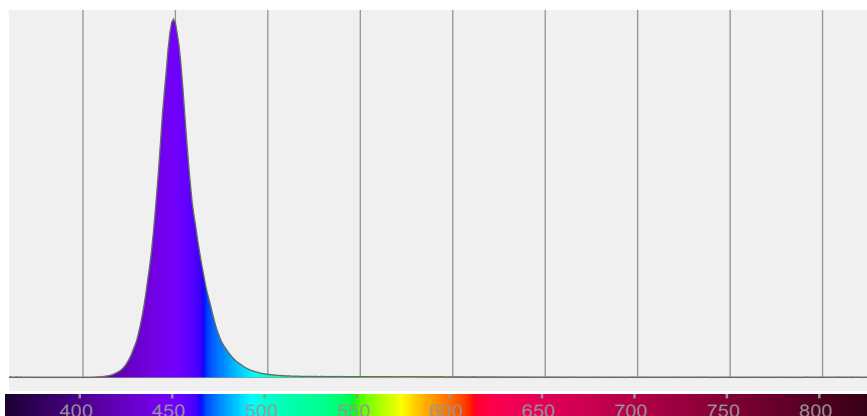


Beam angle 50%: 30,2°

Field angle 10%: 38,2°

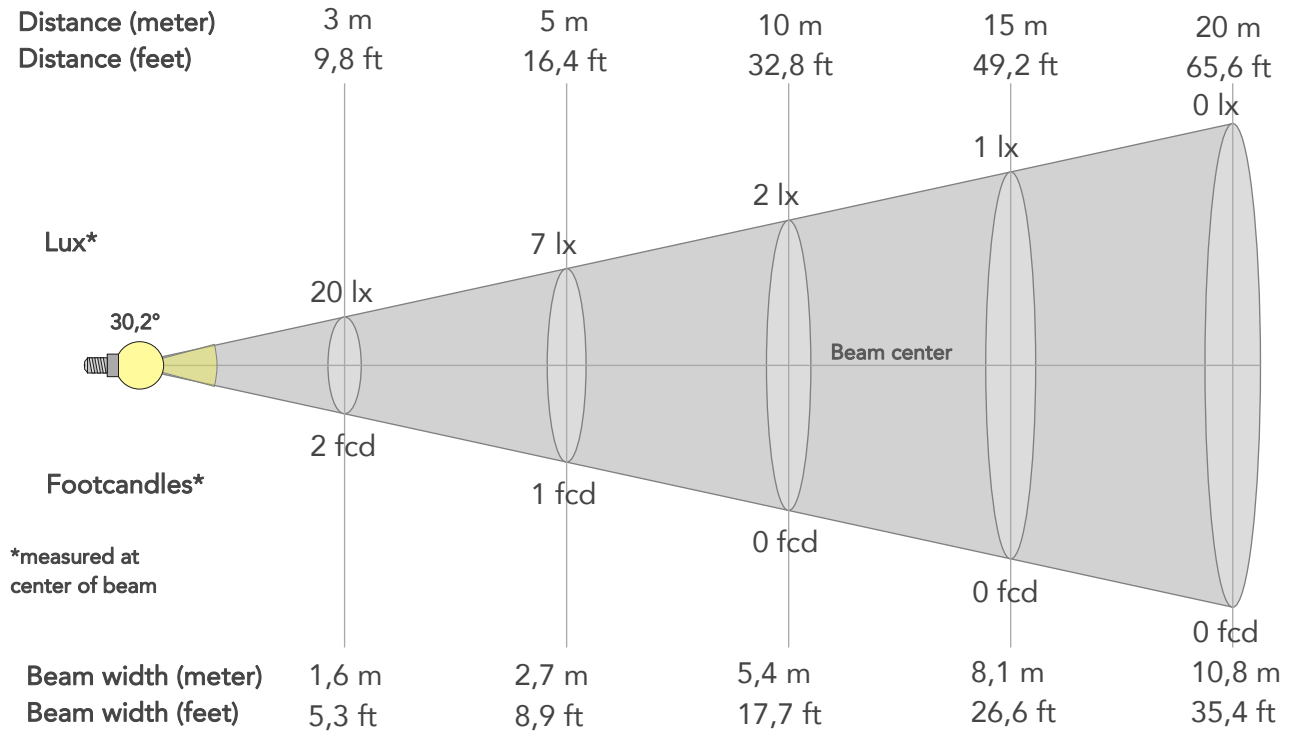
Cut off angle 2.5%: 39,1°

Spectra



BEAM DETAILS

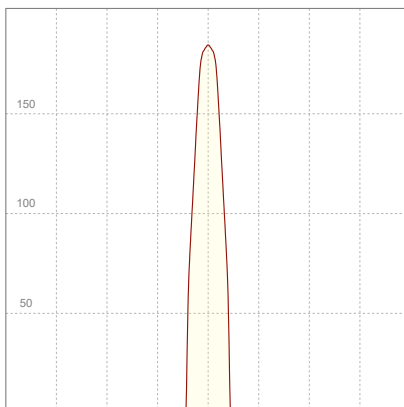
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
30,2°	38,2°	39,1°	93,2%	90,3%



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	184lx	46lx	20lx	12lx	7lx	3lx	2lx	1lx	0lx	0lx	0lx	0lx	0lx
Footcand.	17fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1,1m	1,6m	2,2m	2,7m	4,1m	5,4m	8,1m	10,8m	13,5m	16,2m	21,6m	27m
Beam wid.	1,8ft	3,6ft	5,3ft	7,1ft	8,9ft	13,3ft	17,7ft	26,6ft	35,4ft	44,3ft	53,2ft	70,9ft	88,6ft

LINEAR DISTRIBUTION DIAGRAM

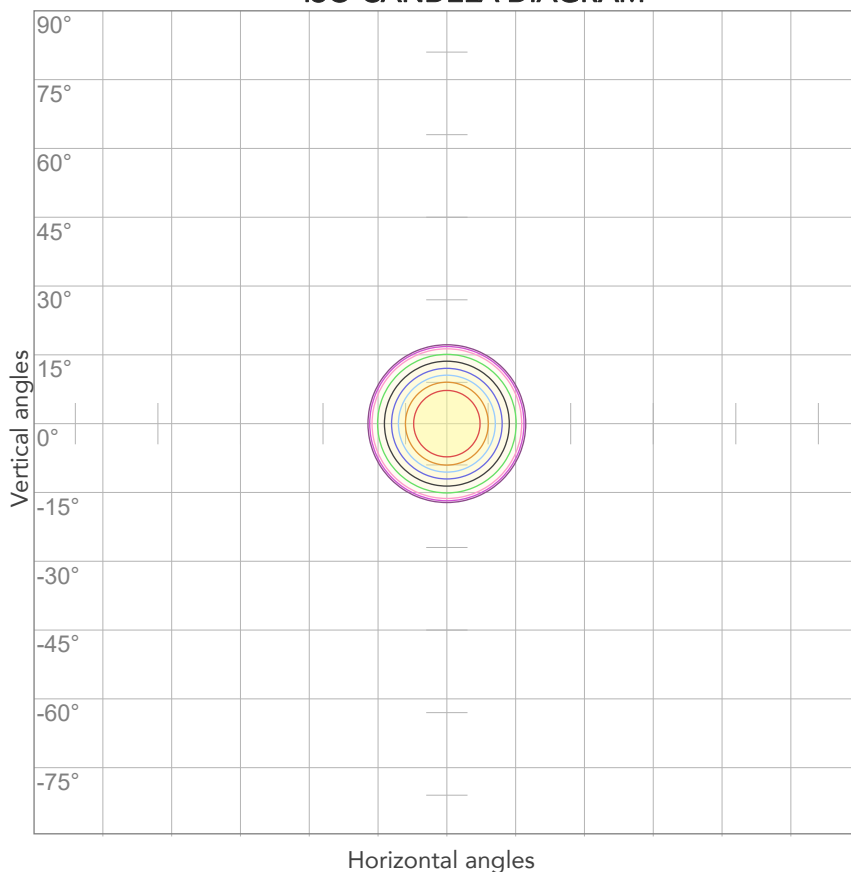


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,087A	11,1W	0,56	4lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



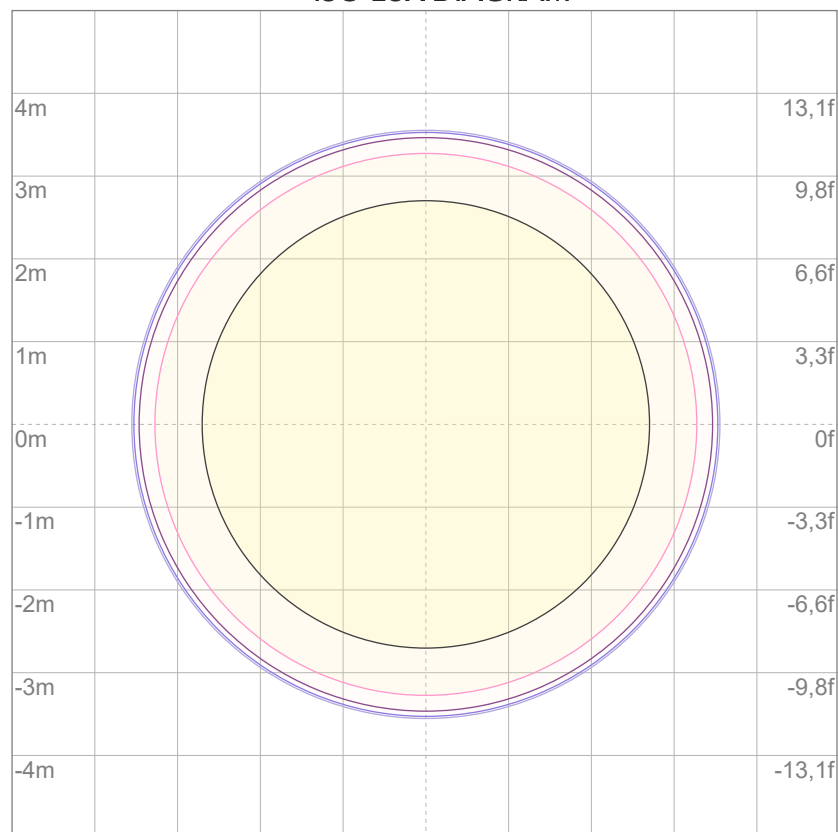
10%	18 cd
20%	37 cd
30%	55 cd
40%	74 cd
50%	92 cd
60%	111 cd
70%	129 cd
80%	147 cd

Conditions:

Number of c-planes: 2

Candela at center: 184 cd

ISO LUX DIAGRAM



3%	55,3m lx
5%	92,2m lx
10%	0,184 lx
30%	0,553 lx
50%	0,922 lx

Conditions:

Number of c-planes: 2

Lux at center: 1,84 lx

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



Total lumen output:

48,1 lm

Peak candela output:

642 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 HD Lens - Min Zoom

Target:

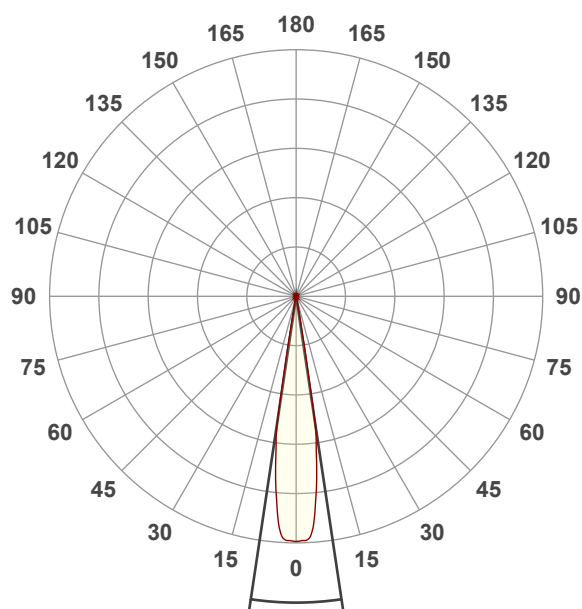
Blue

Operator:

Giuseppe della Peruta

Date and time:

30/07/2025 09:13:56

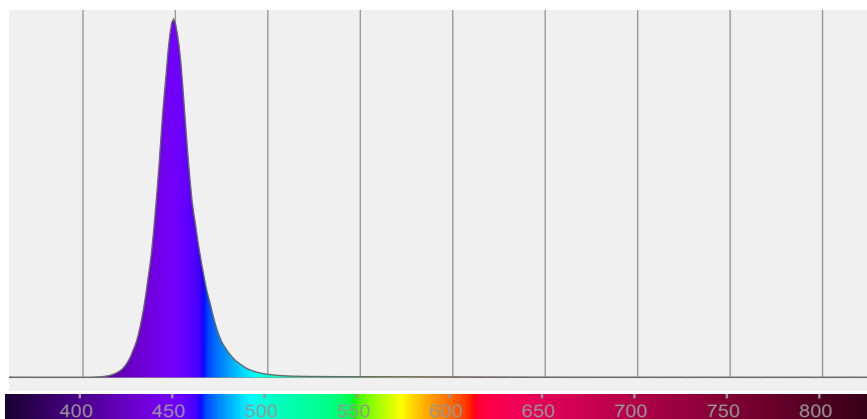


Beam angle 50%: 17°

Field angle 10%: 19,9°

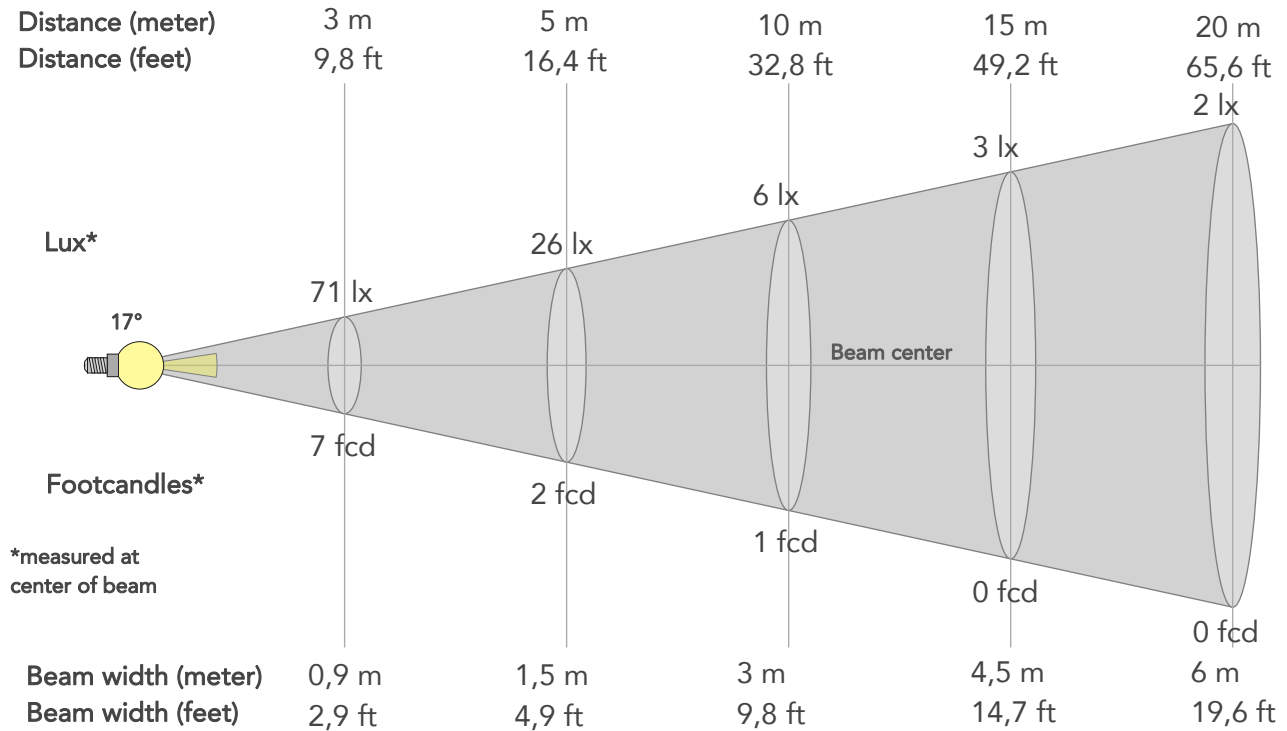
Cut off angle 2.5%: 20,7°

Spectra



BEAM DETAILS

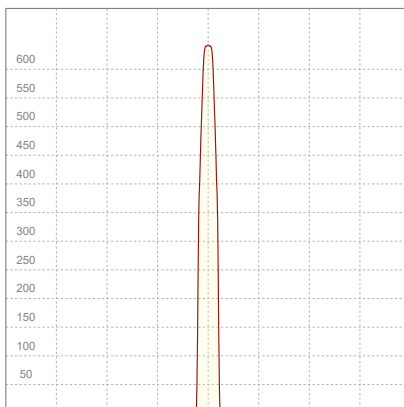
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17°	19,9°	20,7°	91,2%	87,6%



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	642lx	160lx	71lx	40lx	26lx	11lx	6lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	60fcd	15fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,5m	2,2m	3m	4,5m	6m	7,5m	9m	12m	15m
Beam wid.	1ft	2ft	2,9ft	3,9ft	4,9ft	7,4ft	9,8ft	14,7ft	19,6ft	24,6ft	29,5ft	39,3ft	49,1ft

LINEAR DISTRIBUTION DIAGRAM

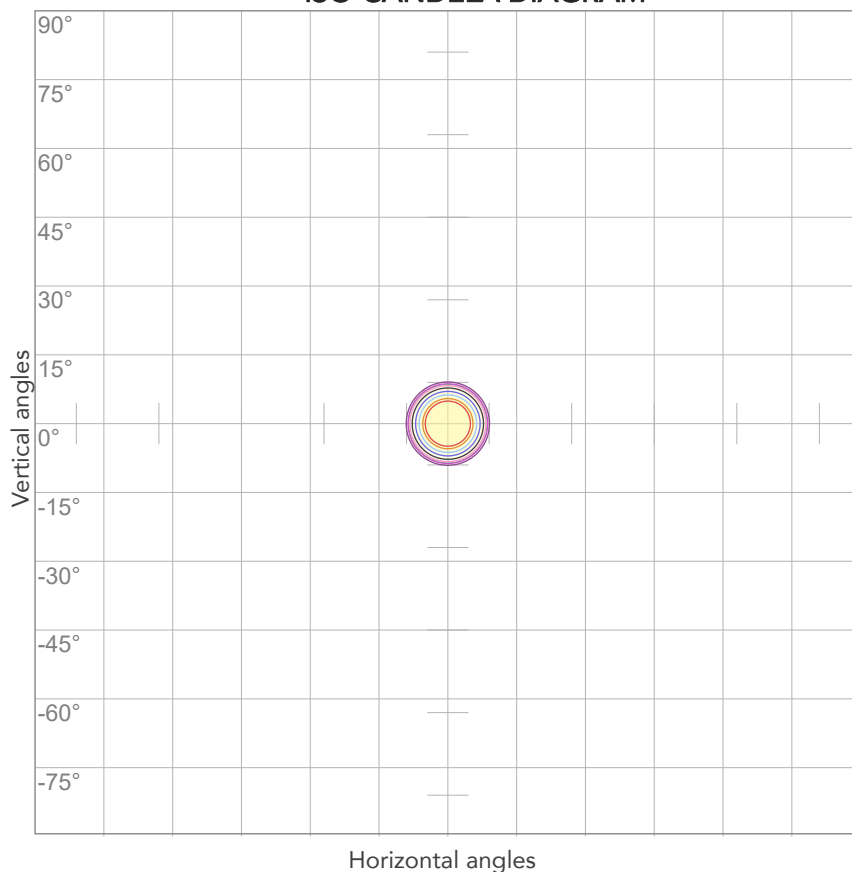


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,084A	11,4W	0,59	4lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



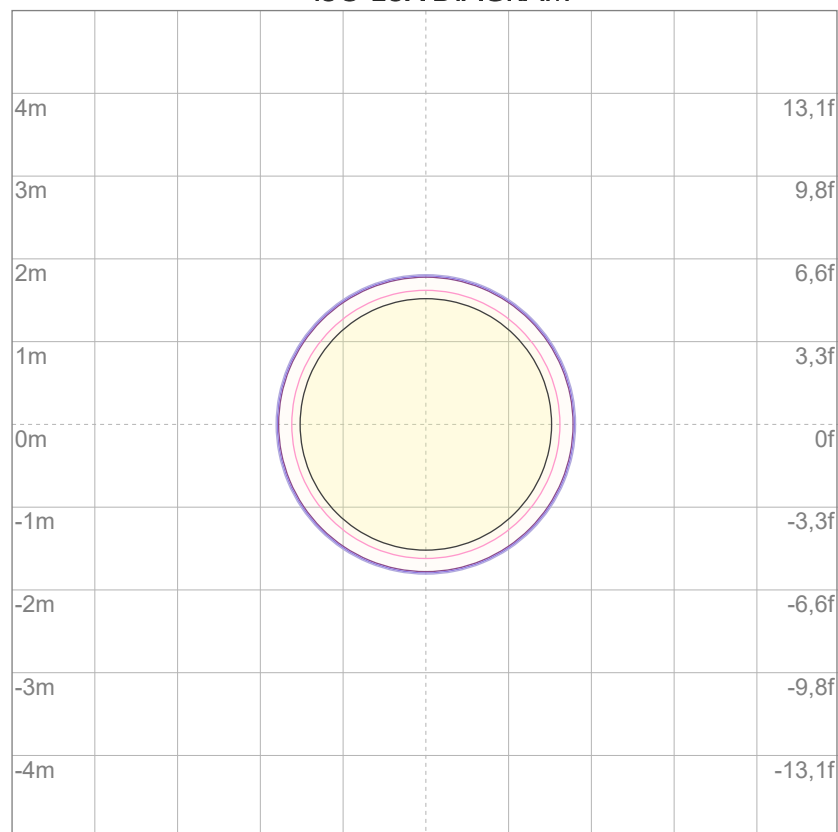
10%	64 cd
20%	128 cd
30%	193 cd
40%	257 cd
50%	321 cd
60%	385 cd
70%	449 cd
80%	514 cd

Conditions:

Number of c-planes: 2

Candela at center: 642 cd

ISO LUX DIAGRAM



3%	0,193 lx
5%	0,321 lx
10%	0,642 lx
30%	1,93 lx
50%	3,21 lx

Conditions:

Number of c-planes: 2

Lux at center: 6,42 lx

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



Total lumen output:

343 lm

Peak candela output:

1606 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 HD Lens - Max Zoom

Target:

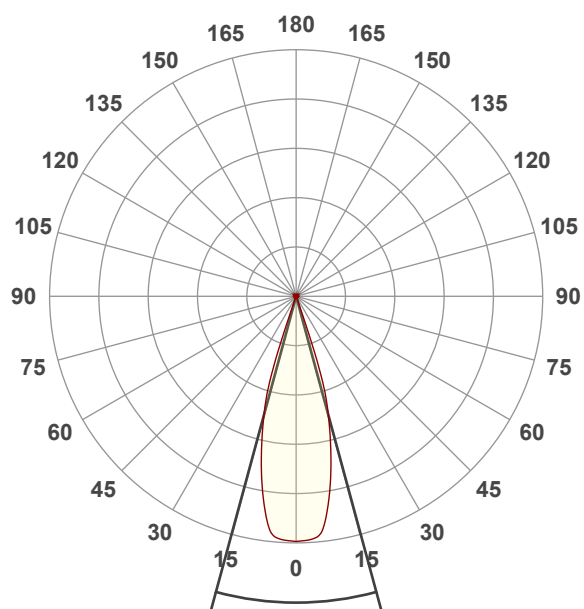
Lime

Operator:

Giuseppe della Peruta

Date and time:

29/07/2025 14:54:28

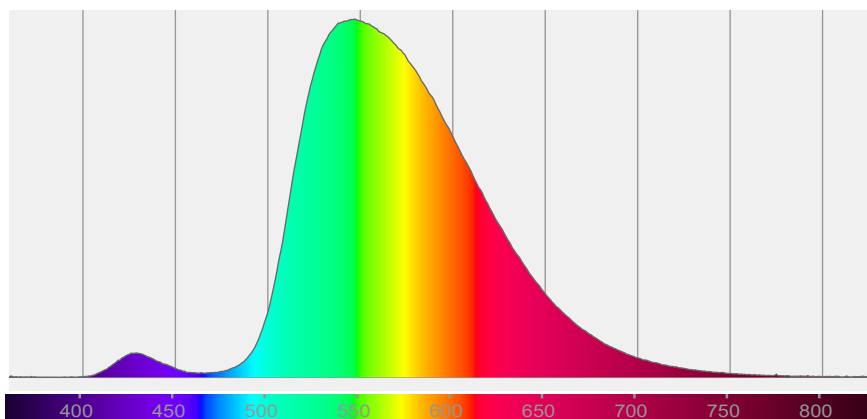


Beam angle 50%: 30,4°

Field angle 10%: 38,1°

Cut off angle 2.5%: 39,8°

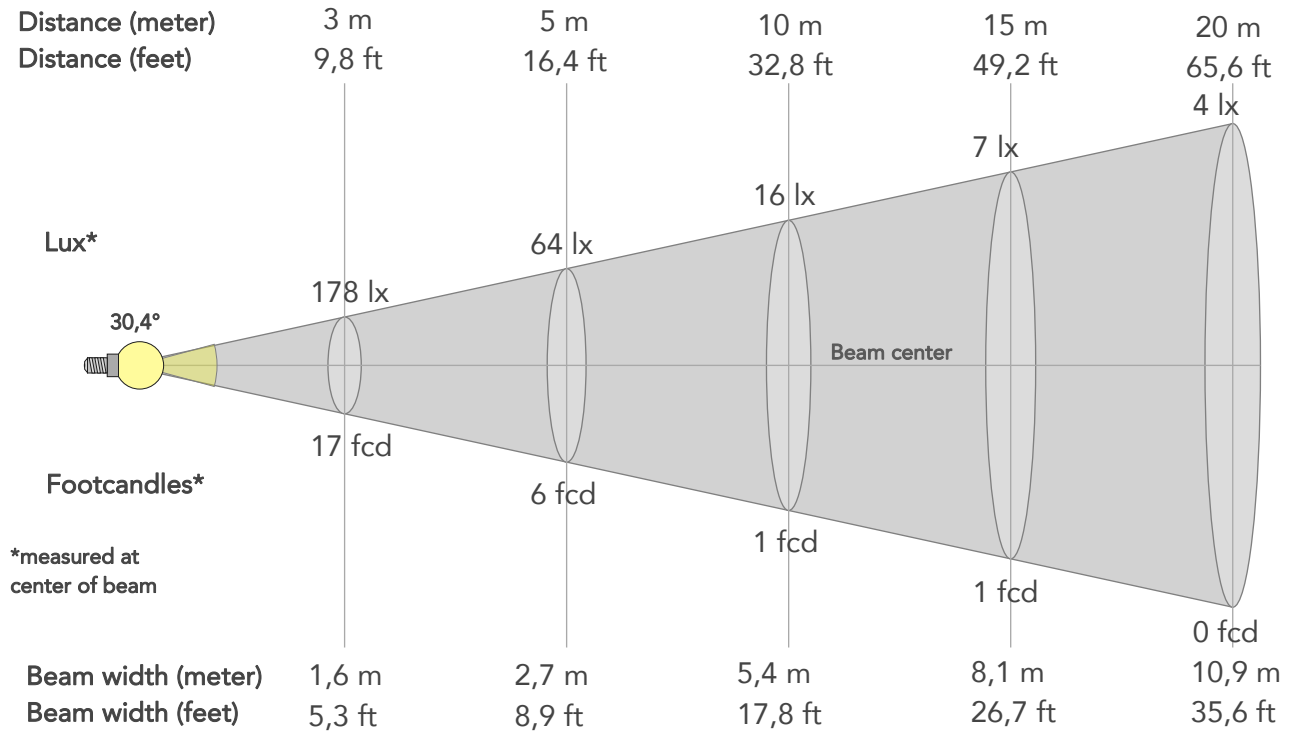
Spectra



BEAM DETAILS



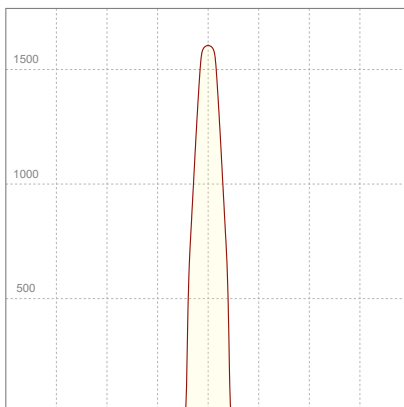
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
30,4°	38,1°	39,8°	99,5%	99,3%



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	1606lx	401lx	178lx	100lx	64lx	29lx	16lx	7lx	4lx	3lx	2lx	1lx	1lx
Footcand.	149fcd	37fcd	17fcd	9fcd	6fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1,1m	1,6m	2,2m	2,7m	4,1m	5,4m	8,1m	10,9m	13,6m	16,3m	21,7m	27,1m
Beam wid.	1,8ft	3,6ft	5,3ft	7,1ft	8,9ft	13,3ft	17,8ft	26,7ft	35,6ft	44,5ft	53,4ft	71,2ft	89ft

LINEAR DISTRIBUTION DIAGRAM

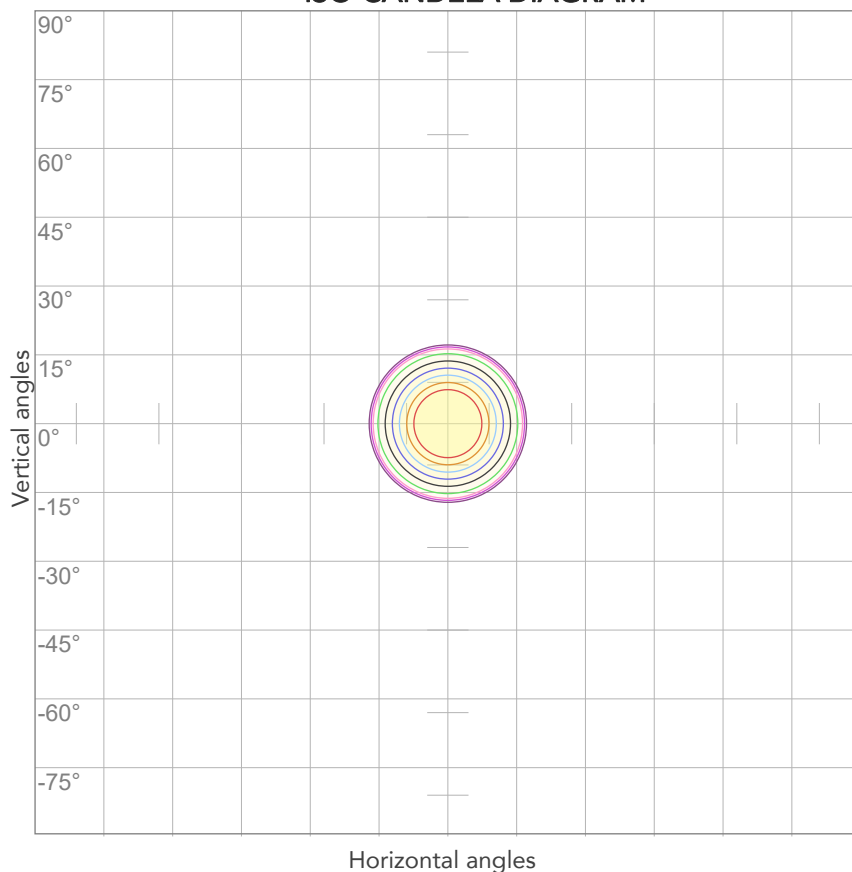


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,108A	19,8W	0,81	17lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



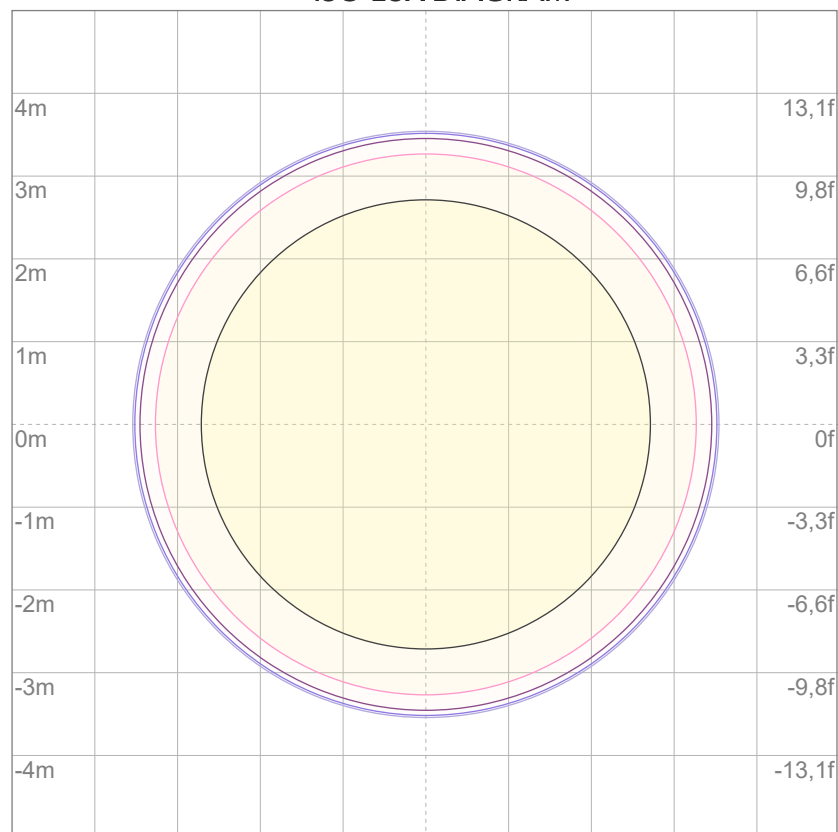
10%	161 cd
20%	321 cd
30%	482 cd
40%	642 cd
50%	803 cd
60%	964 cd
70%	1124 cd
80%	1285 cd

Conditions:

Number of c-planes: 2

Candela at center: 1606 cd

ISO LUX DIAGRAM



3%	0,482 lx
5%	0,803 lx
10%	1,61 lx
30%	4,82 lx
50%	8,03 lx

Conditions:

Number of c-planes: 2

Lux at center: 16,1 lx

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



Total lumen output:

353 lm

Peak candela output:

5580 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 HD Lens - Min Zoom

Target:

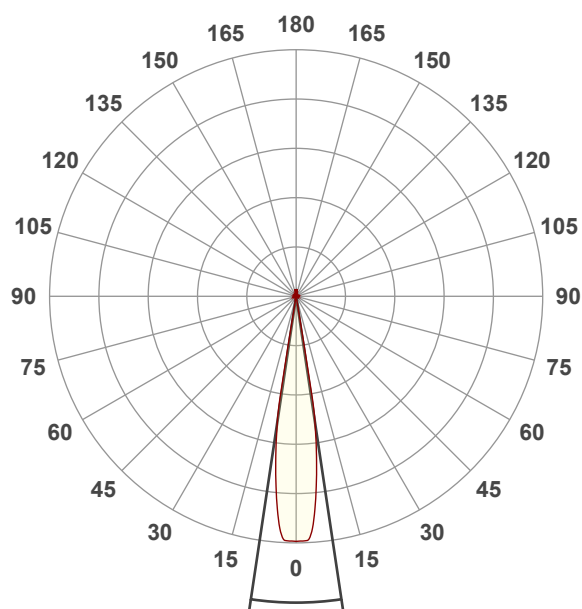
Lime

Operator:

Giuseppe della Peruta

Date and time:

30/07/2025 09:17:17

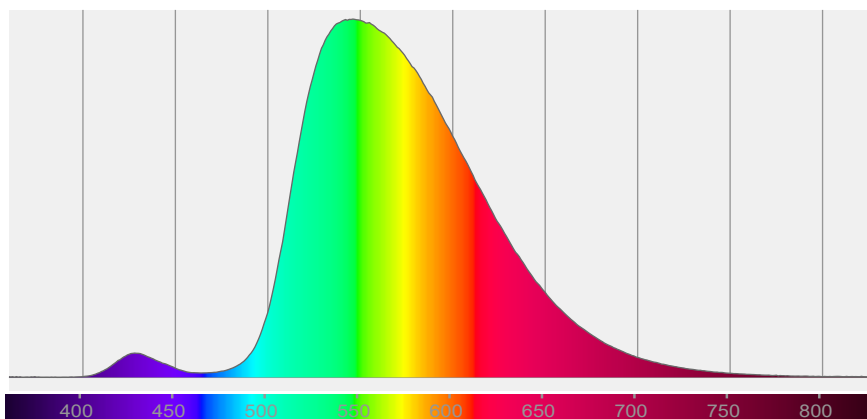


Beam angle 50%: 17°

Field angle 10%: 19,6°

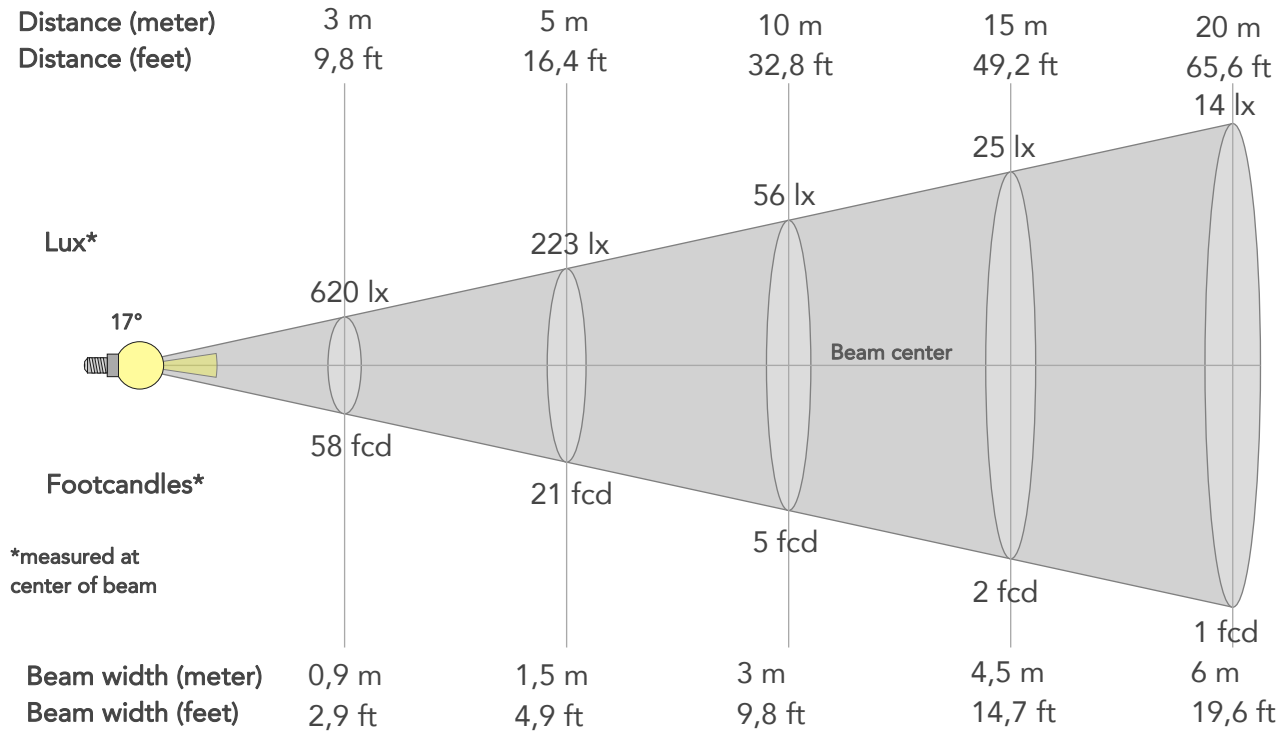
Cut off angle 2.5%: 20°

Spectra



BEAM DETAILS

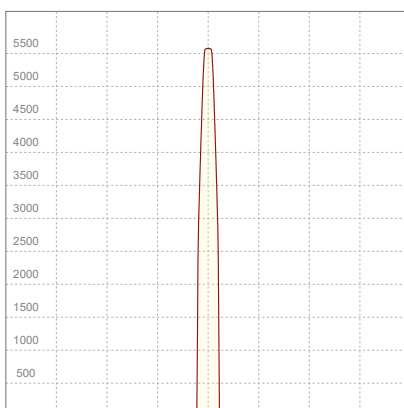
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17°	19,6°	20°	98,9%	98,5%



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	5580lx	1395lx	620lx	349lx	223lx	99lx	56lx	25lx	14lx	9lx	6lx	3lx	2lx
Footcand.	518fcd	130fcd	58fcd	32fcd	21fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,5m	2,2m	3m	4,5m	6m	7,5m	9m	12m	14,9m
Beam wid.	1ft	2ft	2,9ft	3,9ft	4,9ft	7,4ft	9,8ft	14,7ft	19,6ft	24,5ft	29,4ft	39,2ft	49ft

LINEAR DISTRIBUTION DIAGRAM

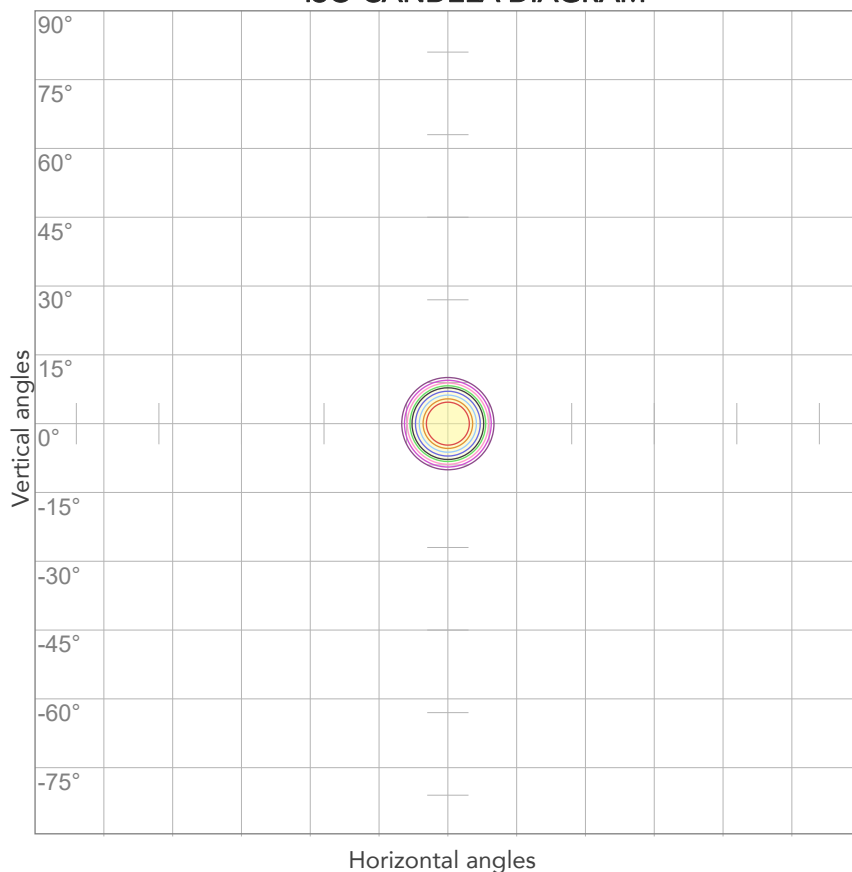


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,107A	19,7W	0,81	18lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



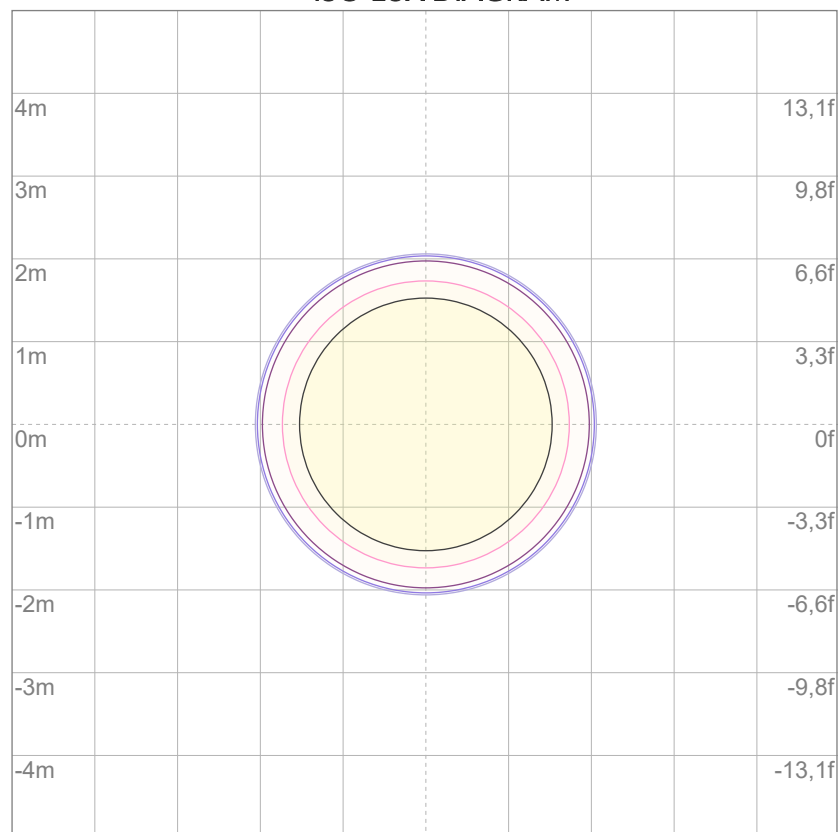
10%	558 cd
20%	1116 cd
30%	1674 cd
40%	2232 cd
50%	2790 cd
60%	3348 cd
70%	3906 cd
80%	4464 cd

Conditions:

Number of c-planes: 2

Candela at center: 5580 cd

ISO LUX DIAGRAM



3%	1,67 lx
5%	2,79 lx
10%	5,58 lx
30%	16,7 lx
50%	27,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 55,8 lx

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



Total lumen output:

346 lm

Peak candela output:

1616 cd

Light quality:

CRI: 84,5

Color temperature:

3000 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 HD Lens - Max Zoom

Target:

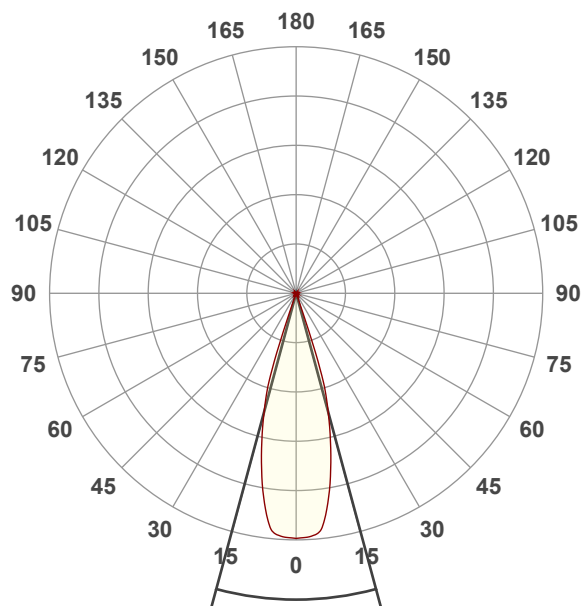
2800K

Operator:

Giuseppe della Peruta

Date and time:

29/07/2025 14:57:56

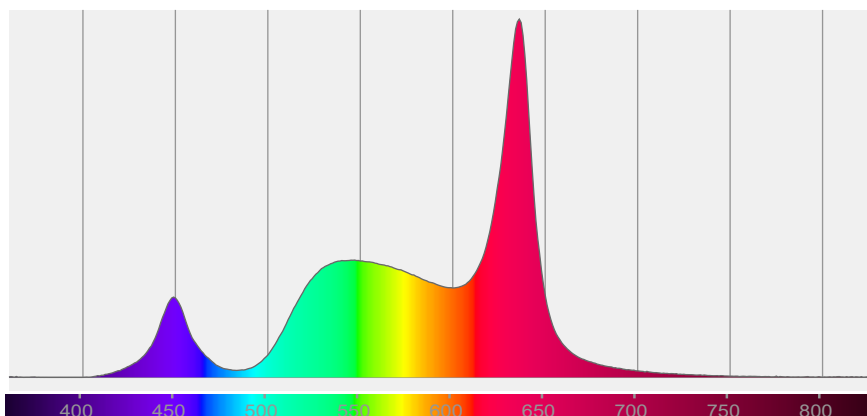


Beam angle 50%: 30,2°

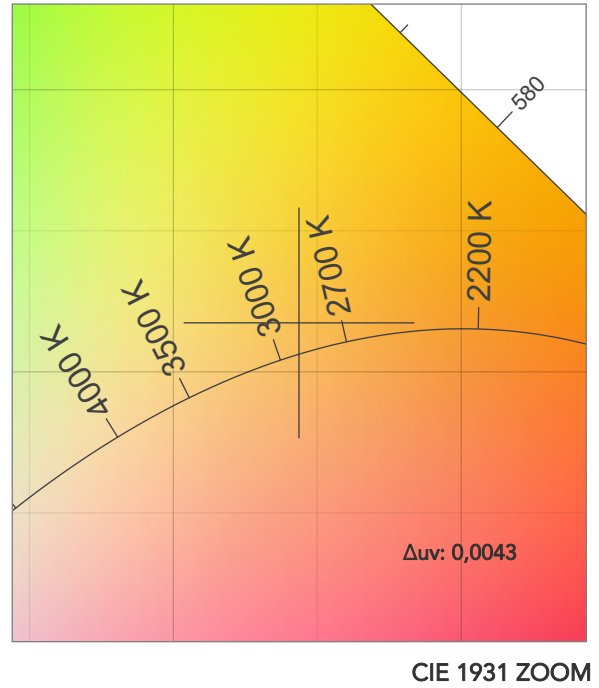
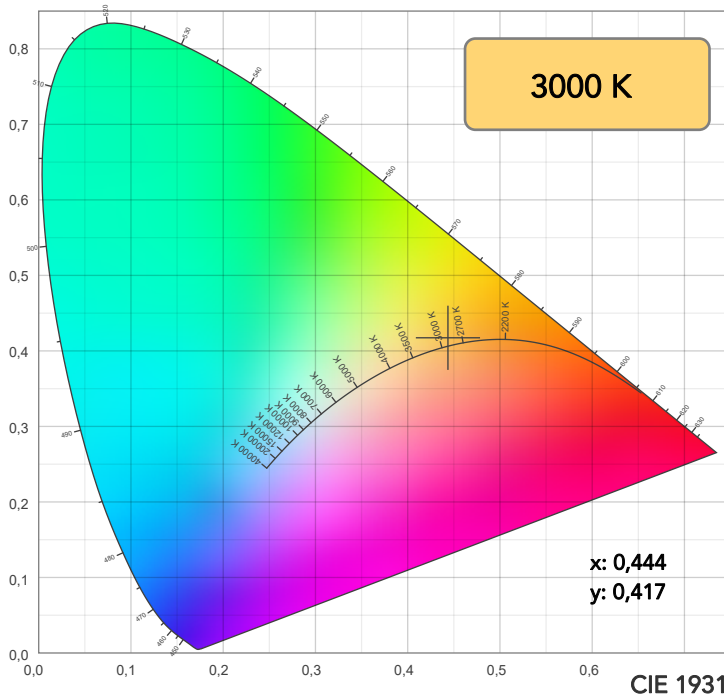
Field angle 10%: 38°

Cut off angle 2.5%: 39,6°

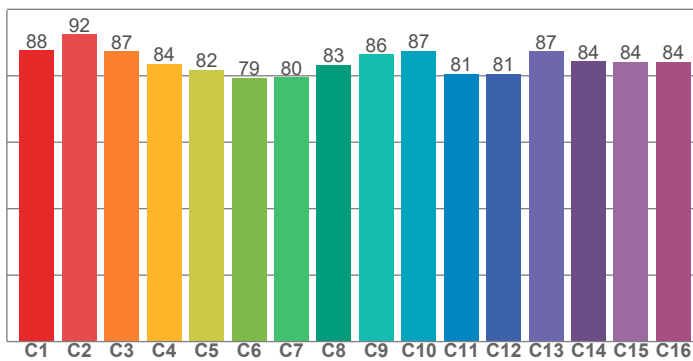
Spectra



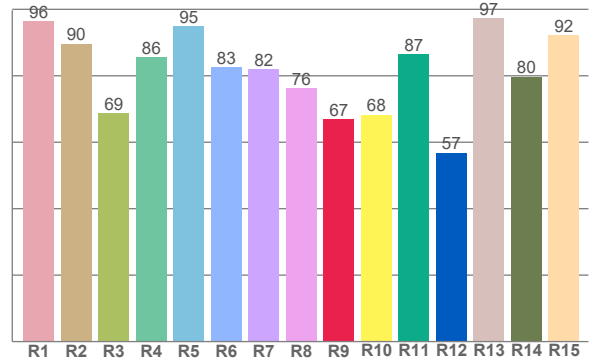
COLOR DETAILS



TM30: 84,8



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
96,4	89,7	68,6	85,5	95,0	82,6	81,9	76,4	66,9	68,3	86,6	56,8	97,4	79,7	92,2

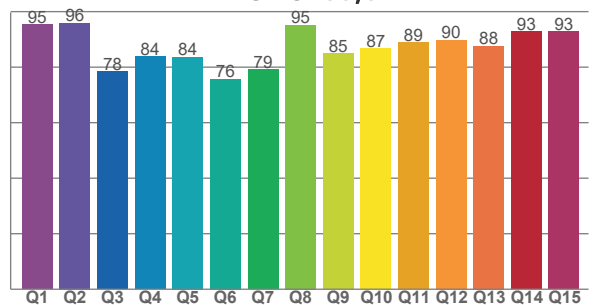
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,3	95,9	78,4	83,7	83,7	75,8	79,1	95,3	84,9	86,8	88,9	89,8	87,6	92,9	92,9

CQS: 85,8



COLOR PARAMETERS

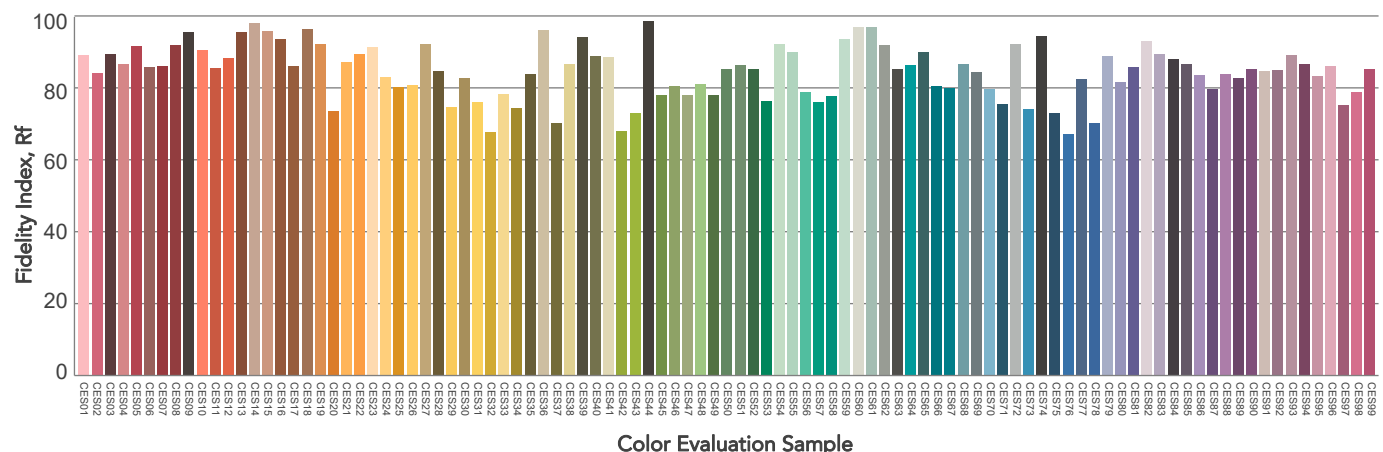
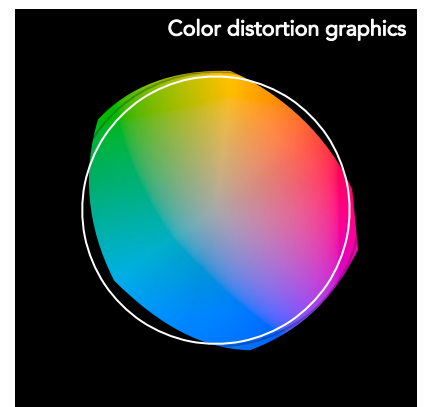
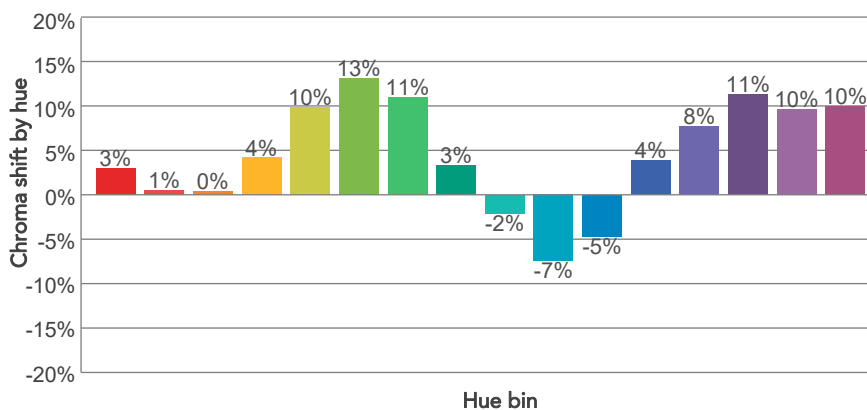
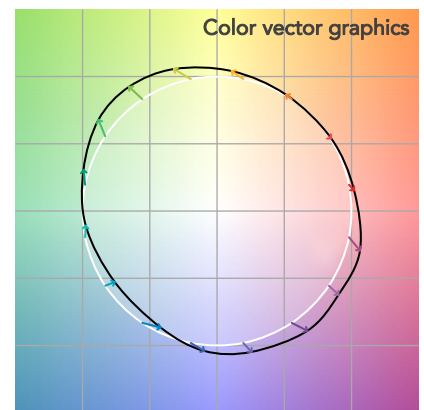
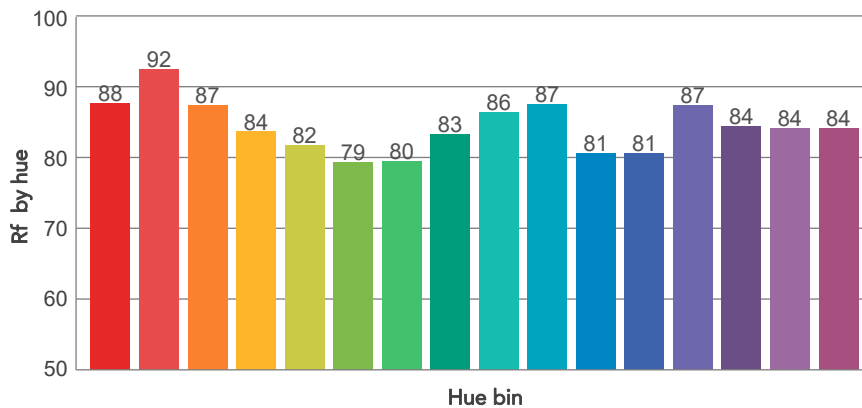
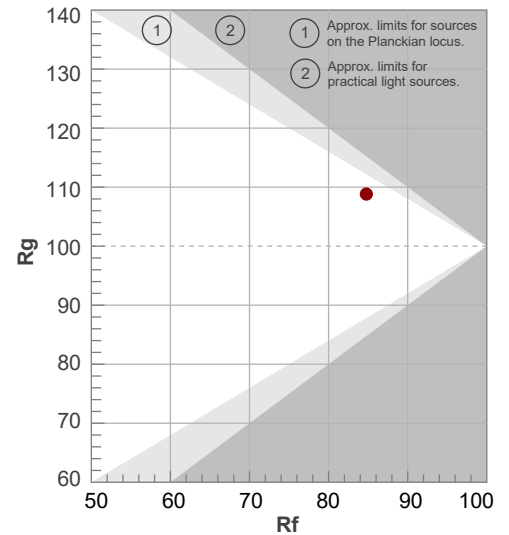
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3000 K	84,5	66,9	84,8	108,8	85,8	72	0,444	0,417	0,0043

TM30 DETAILS

Rf 84,8
Fidelity index Rf

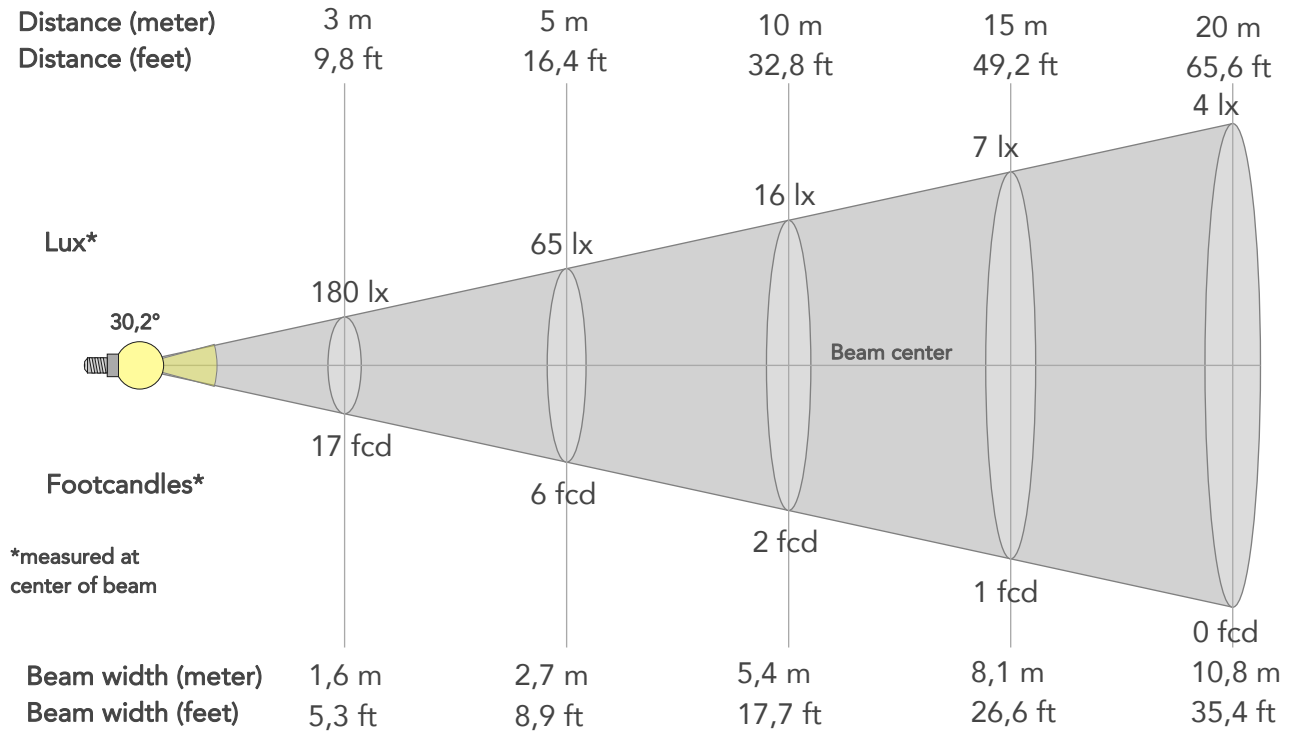
Rg 108,8
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	88	3%	-5%
2	92	1%	-2%
3	87	0%	5%
4	84	4%	10%
5	82	10%	11%
6	79	13%	3%
7	80	11%	-7%
8	83	3%	-10%
9	86	-2%	-8%
10	87	-7%	2%
11	81	-5%	13%
12	81	4%	11%
13	87	8%	5%
14	84	11%	6%
15	84	10%	-2%
16	84	10%	-8%



BEAM DETAILS

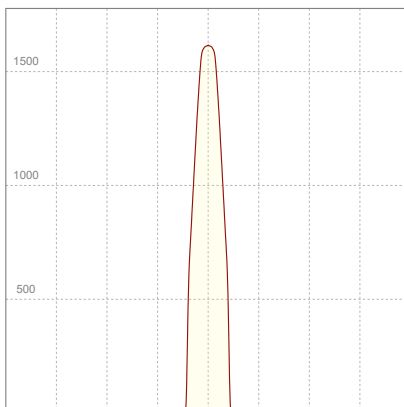
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
30,2°	38°	39,6°	99,0%	98,6%



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	1616lx	404lx	180lx	101lx	65lx	29lx	16lx	7lx	4lx	3lx	2lx	1lx	1lx
Footcand.	150fcd	38fcd	17fcd	9fcd	6fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1,1m	1,6m	2,2m	2,7m	4,1m	5,4m	8,1m	10,8m	13,5m	16,2m	21,6m	27m
Beam wid.	1,8ft	3,6ft	5,3ft	7,1ft	8,9ft	13,3ft	17,7ft	26,6ft	35,4ft	44,3ft	53,1ft	70,9ft	88,6ft

LINEAR DISTRIBUTION DIAGRAM

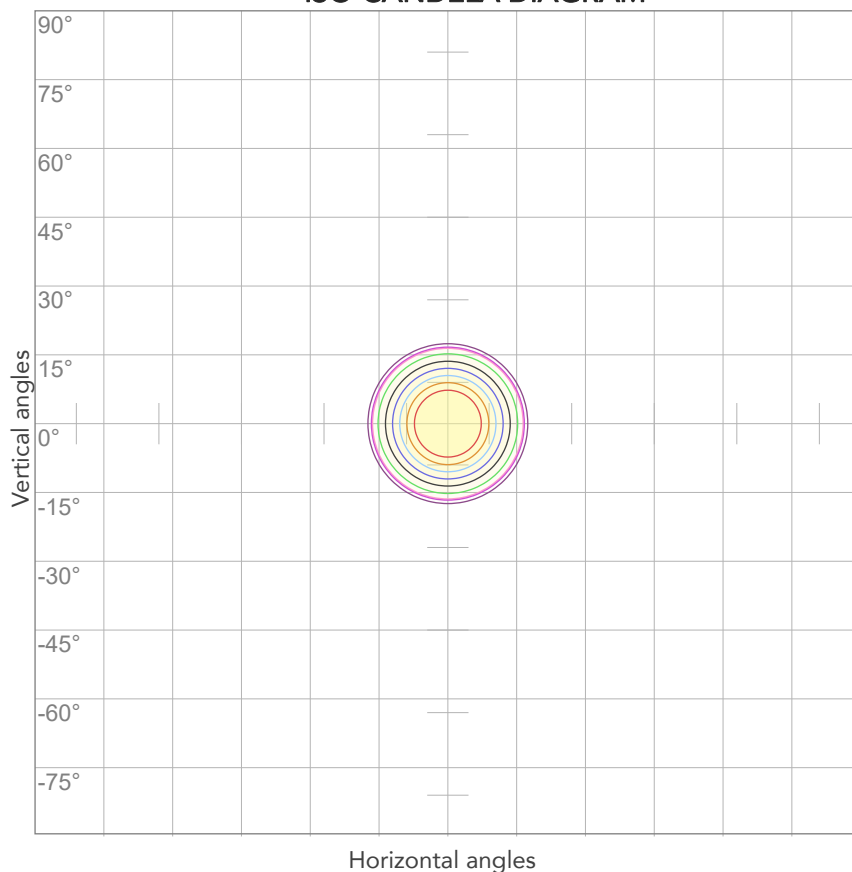


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,122A	23,2W	0,84	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



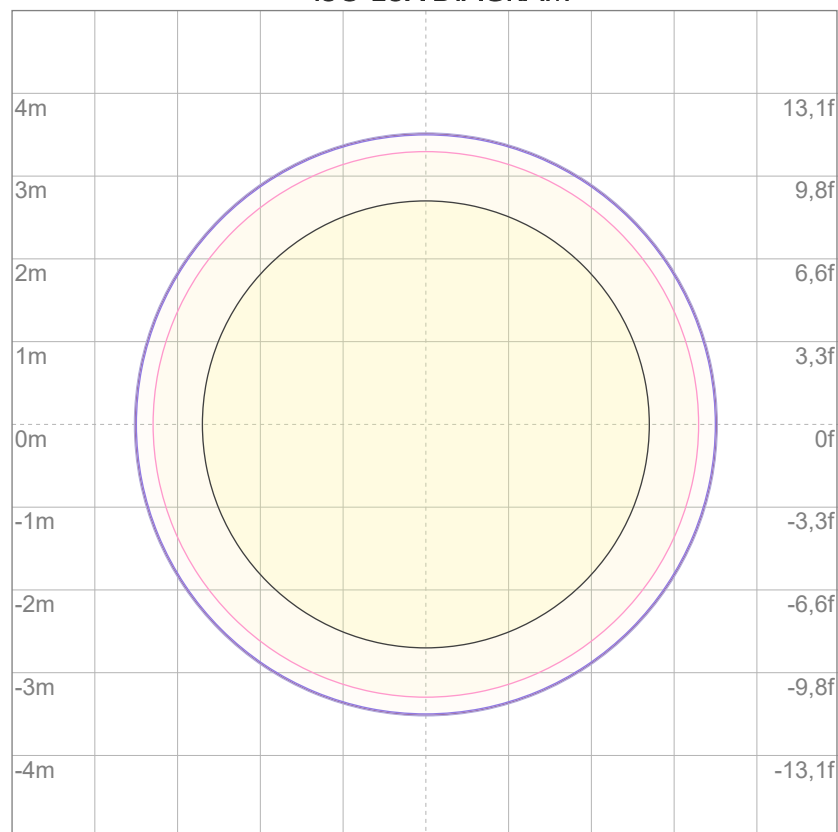
10%	162 cd
20%	323 cd
30%	485 cd
40%	646 cd
50%	808 cd
60%	969 cd
70%	1131 cd
80%	1293 cd

Conditions:

Number of c-planes: 2

Candela at center: 1616 cd

ISO LUX DIAGRAM



3%	0,485 lx
5%	0,808 lx
10%	1,62 lx
30%	4,85 lx
50%	8,08 lx

Conditions:

Number of c-planes: 2

Lux at center: 16,2 lx

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



Total lumen output:

357 lm

Peak candela output:

5639 cd

Light quality:

CRI: 84,5

Color temperature:

3004 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 HD Lens - Min Zoom

Target:

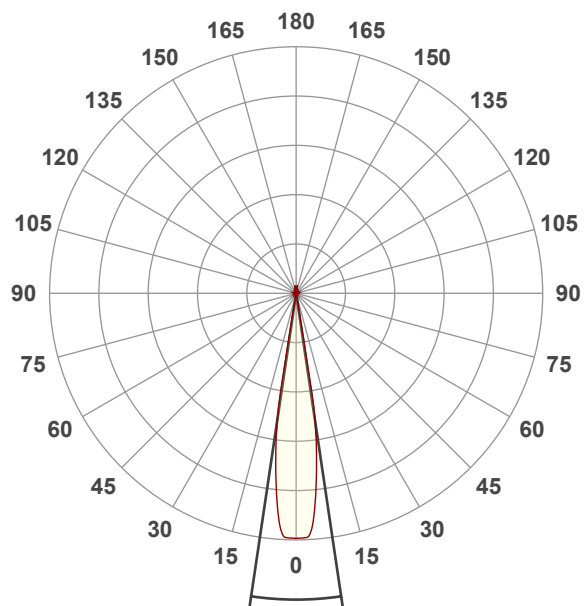
2800K

Operator:

Giuseppe della Peruta

Date and time:

30/07/2025 10:22:46

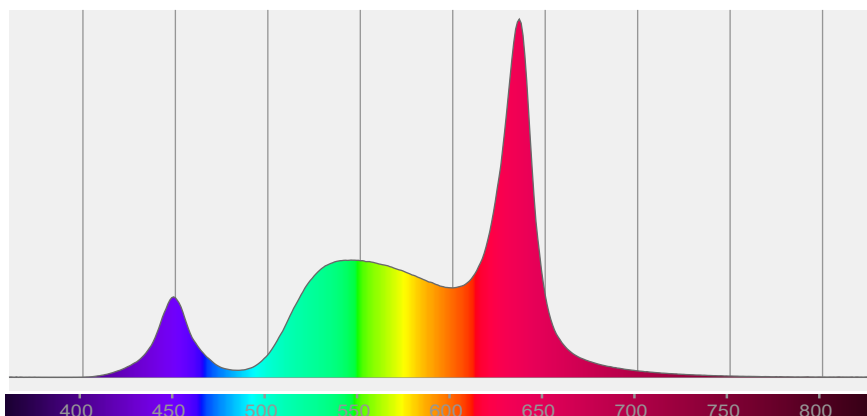


Beam angle 50%: 16,9°

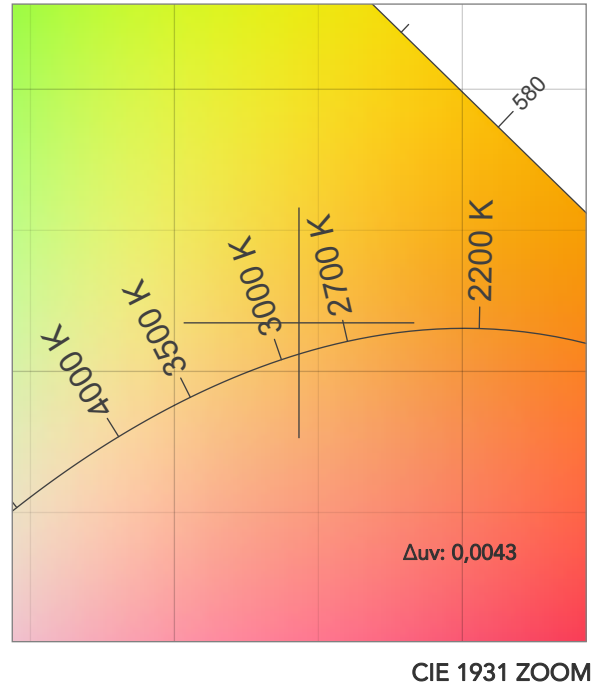
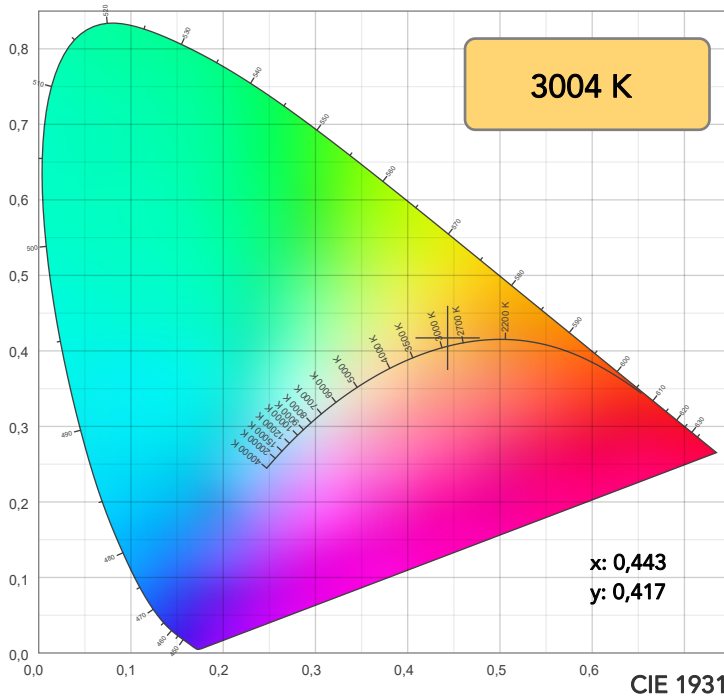
Field angle 10%: 19,6°

Cut off angle 2.5%: 19,9°

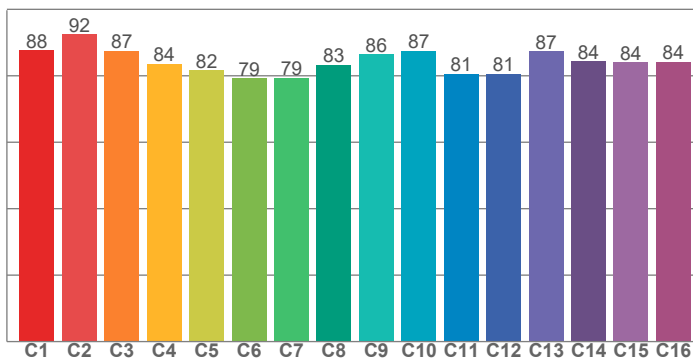
Spectra



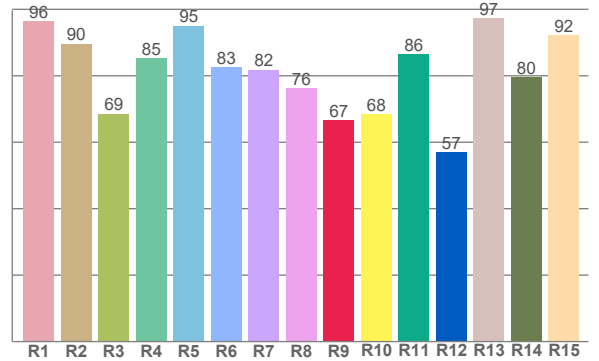
COLOR DETAILS



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
96,4	89,7	68,6	85,4	95,1	82,7	81,8	76,3	66,7	68,3	86,5	56,9	97,4	79,7	92,1

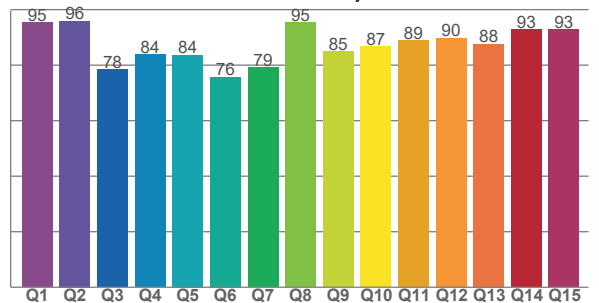
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,3	95,9	78,4	83,8	83,7	75,8	79,1	95,3	84,9	86,8	89,0	89,9	87,6	92,9	92,9

CQS: 85,8



COLOR PARAMETERS

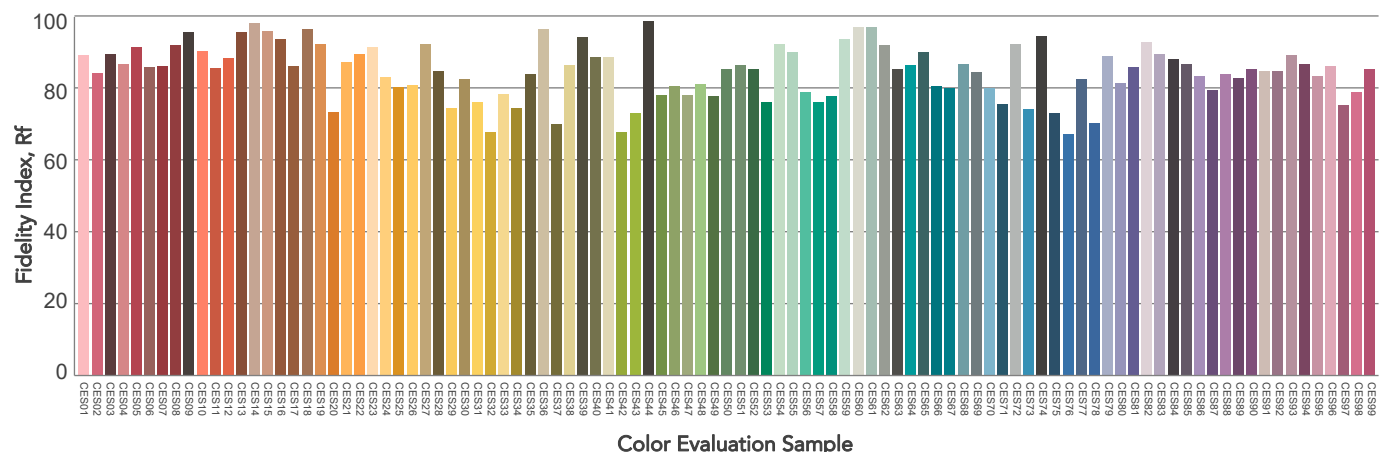
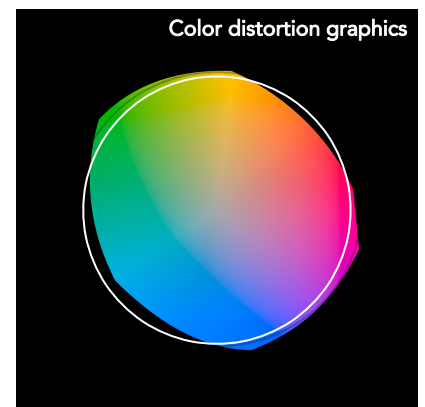
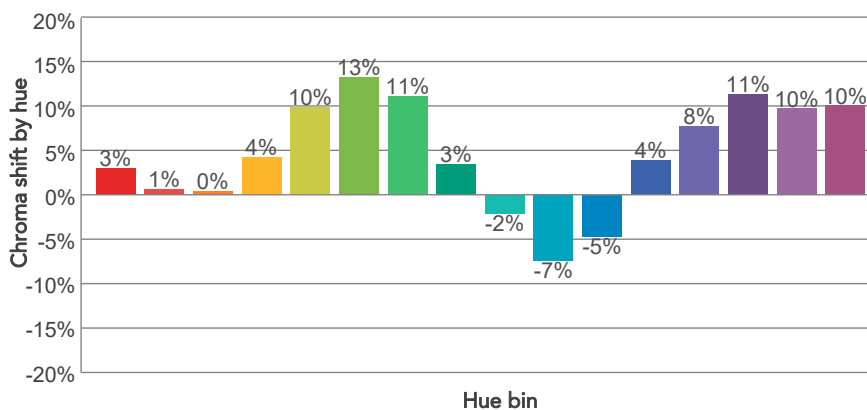
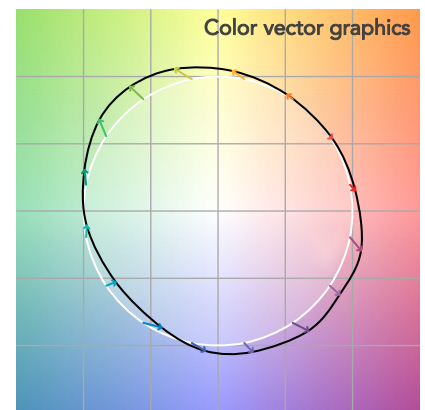
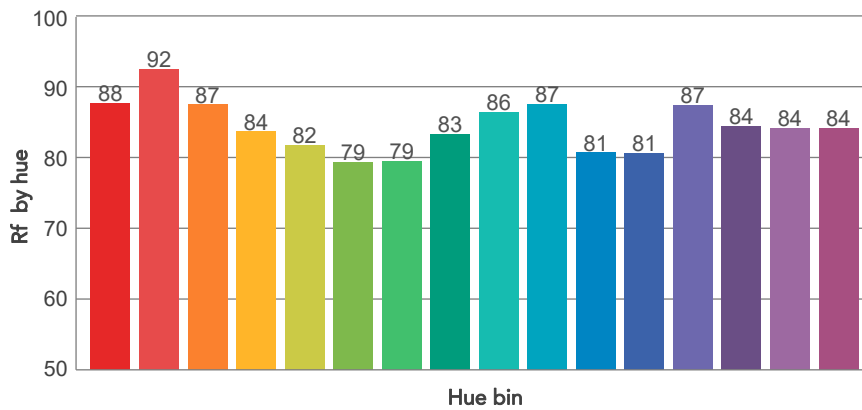
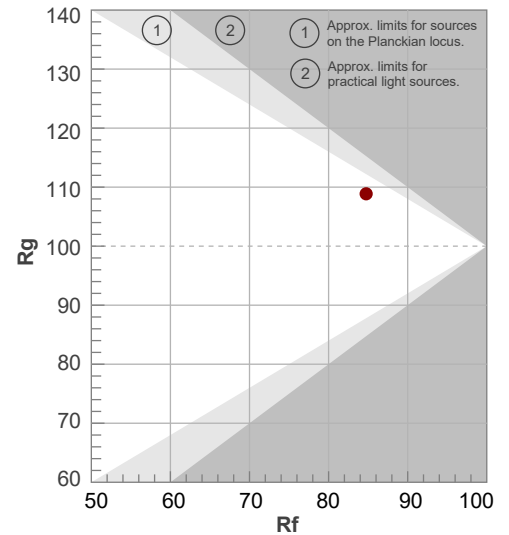
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3004 K	84,5	66,7	84,7	108,9	85,8	72	0,443	0,417	0,0043

TM30 DETAILS

Rf 84,7
Fidelity index Rf

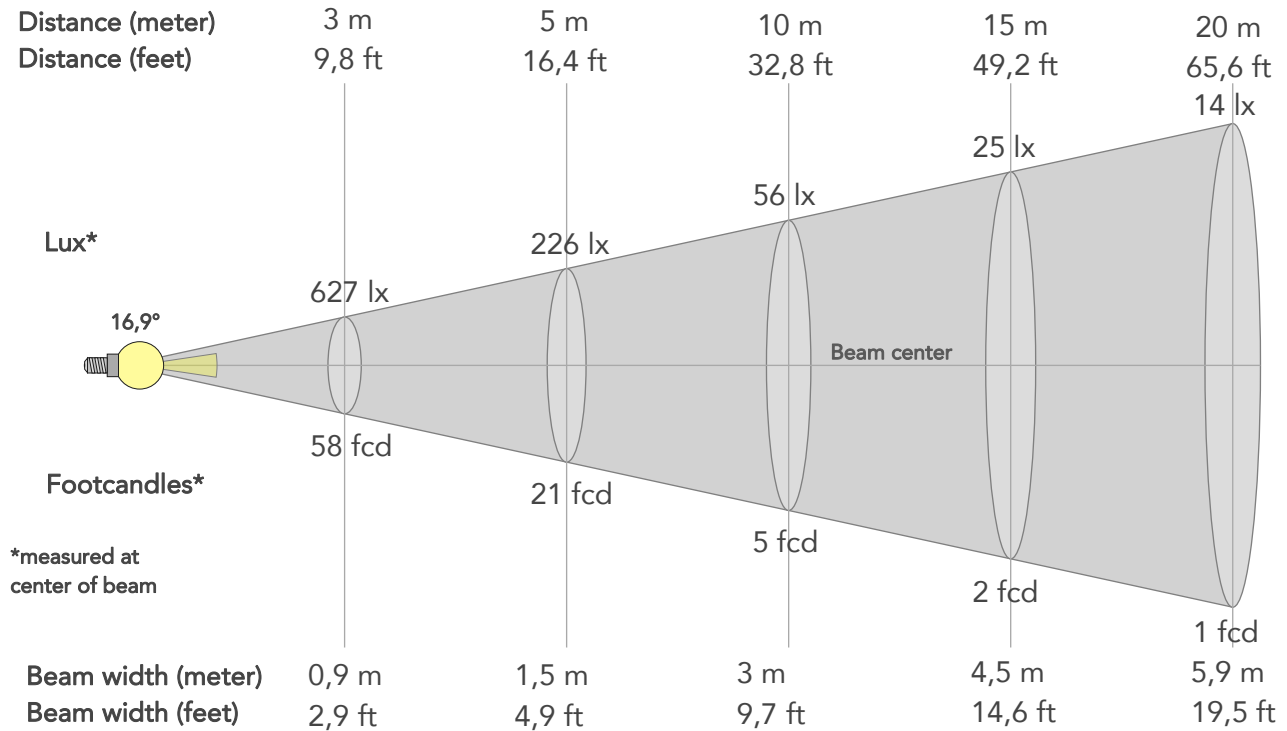
Rg 108,9
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	88	3%	-5%
2	92	1%	-2%
3	87	0%	5%
4	84	4%	10%
5	82	10%	11%
6	79	13%	3%
7	79	11%	-7%
8	83	3%	-10%
9	86	-2%	-8%
10	87	-7%	2%
11	81	-5%	13%
12	81	4%	11%
13	87	8%	5%
14	84	11%	6%
15	84	10%	-1%
16	84	10%	-8%



BEAM DETAILS

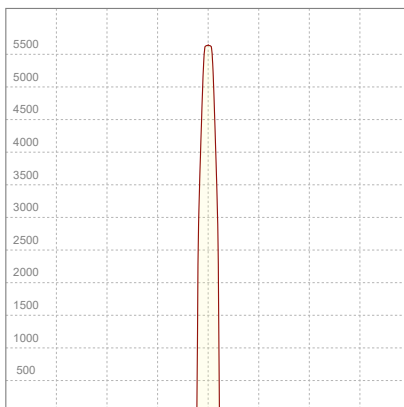
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16,9°	19,6°	19,9°	97,9%	97,5%



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	5639lx	1410lx	627lx	352lx	226lx	100lx	56lx	25lx	14lx	9lx	6lx	4lx	2lx
Footcand.	524fcd	131fcd	58fcd	33fcd	21fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,5m	2,2m	3m	4,5m	5,9m	7,4m	8,9m	11,9m	14,9m
Beam wid.	1ft	2ft	2,9ft	3,9ft	4,9ft	7,3ft	9,7ft	14,6ft	19,5ft	24,4ft	29,2ft	39ft	48,7ft

LINEAR DISTRIBUTION DIAGRAM

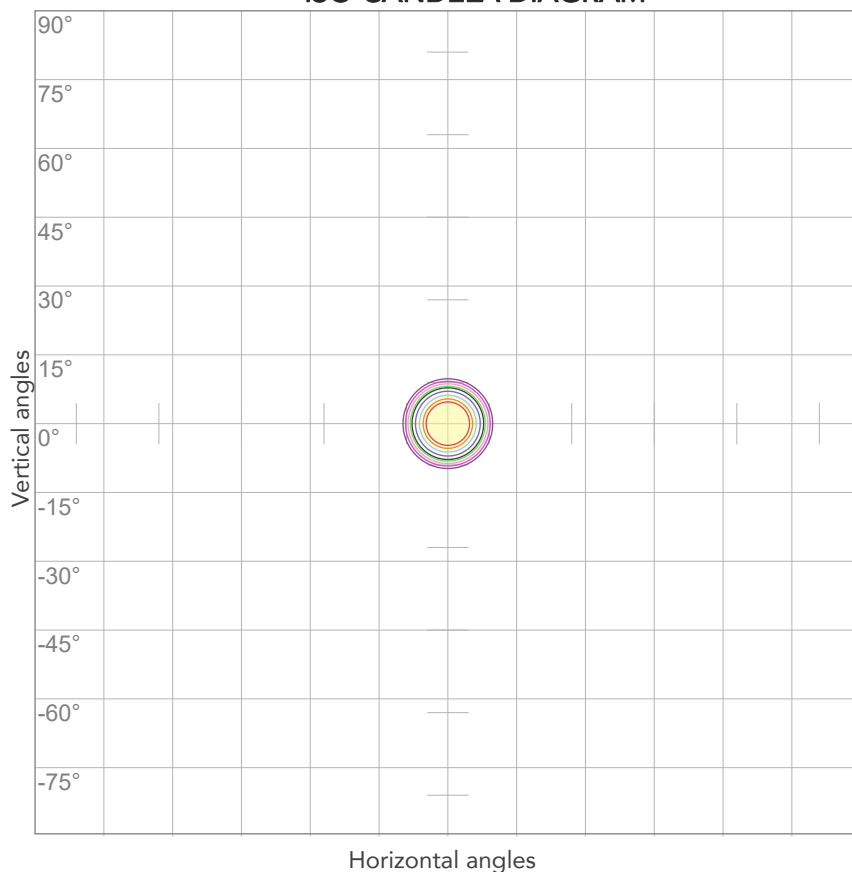


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,122A	23,2W	0,84	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



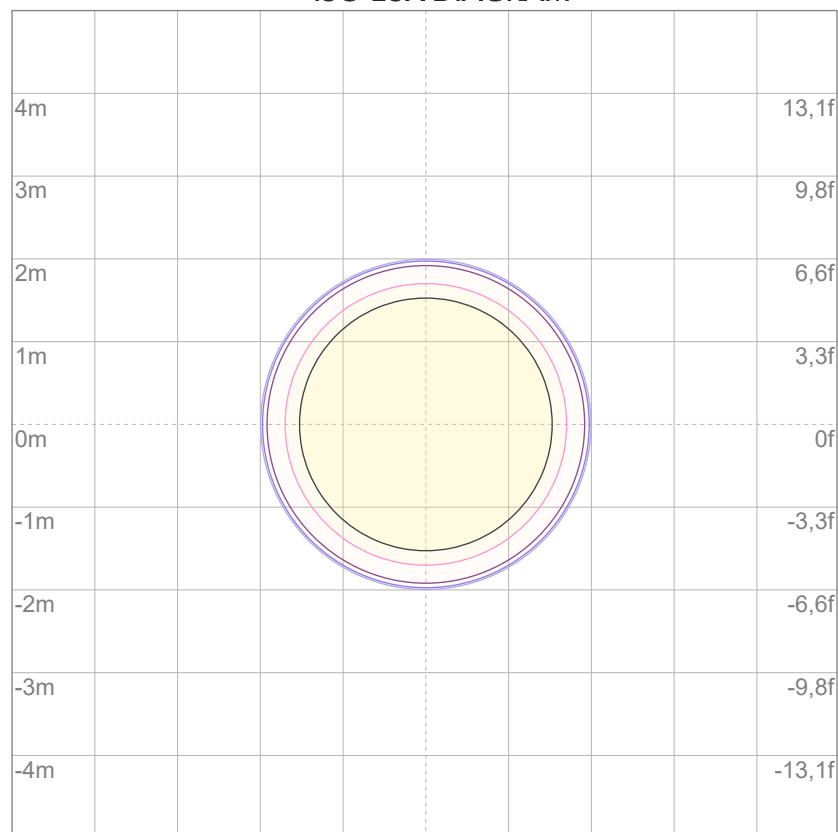
10%	564 cd
20%	1128 cd
30%	1692 cd
40%	2256 cd
50%	2820 cd
60%	3383 cd
70%	3947 cd
80%	4511 cd

Conditions:

Number of c-planes: 2

Candela at center: 5639 cd

ISO LUX DIAGRAM



3%	1,69 lx
5%	2,82 lx
10%	5,64 lx
30%	16,9 lx
50%	28,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 56,4 lx

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



Total lumen output:

386 lm

Peak candela output:

1803 cd

Light quality:

CRI: 84,3

Color temperature:

3207 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 HD Lens - Max Zoom

Target:

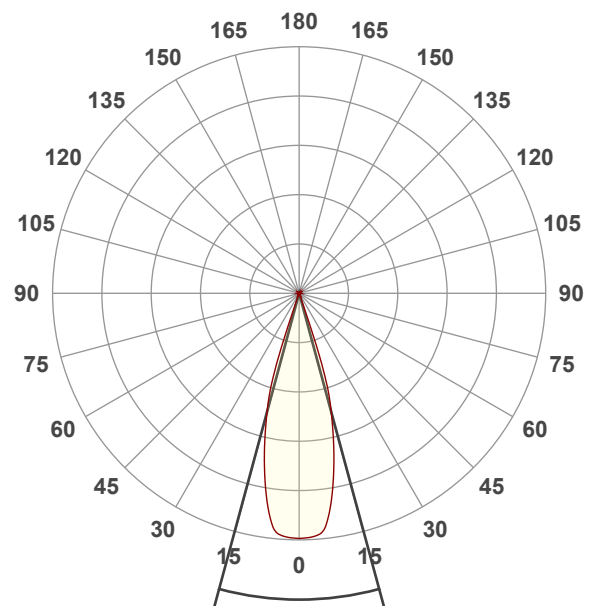
3200K

Operator:

Giuseppe della Peruta

Date and time:

29/07/2025 15:04:24

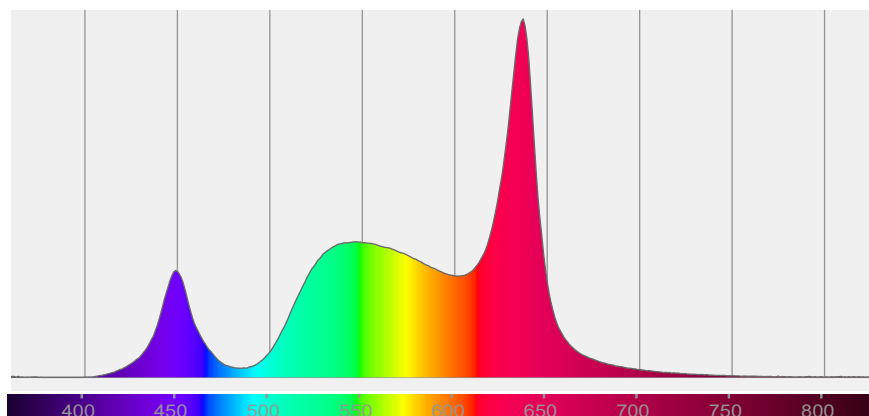


Beam angle 50%: 30,3°

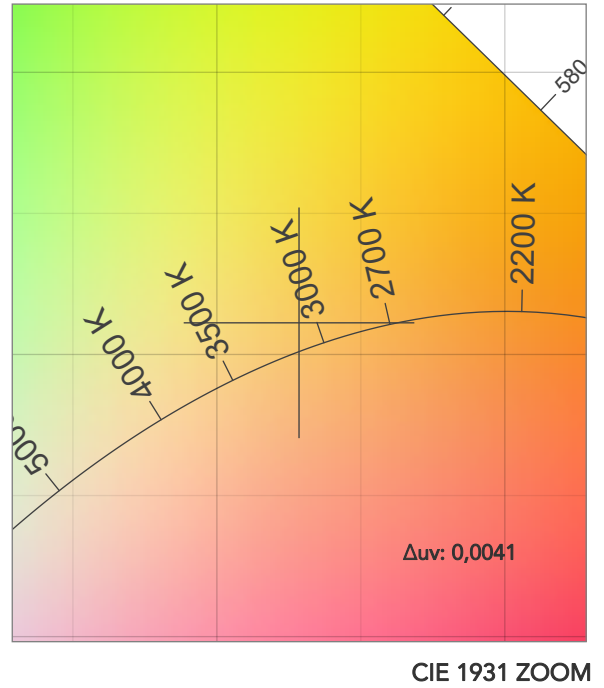
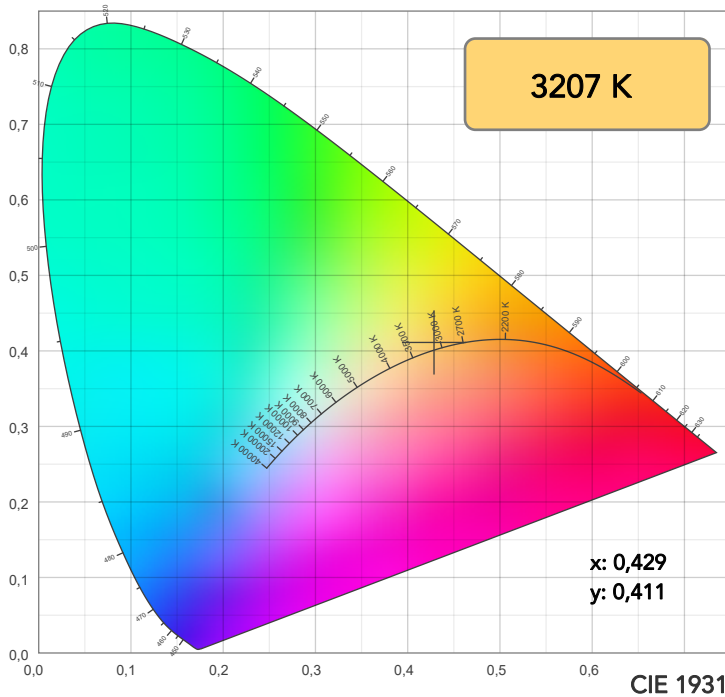
Field angle 10%: 38°

Cut off angle 2.5%: 39,7°

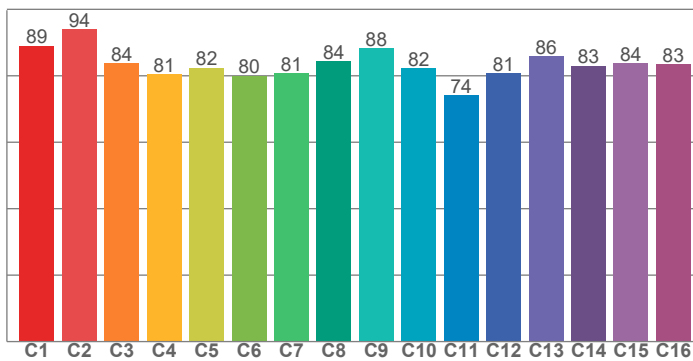
Spectra



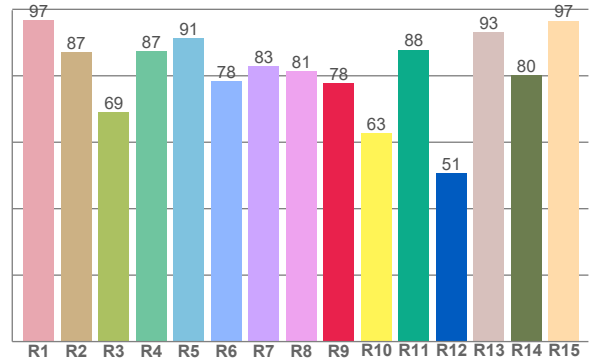
COLOR DETAILS



TM30: 83,8



CRI: 84,3 (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
96,8	87,1	69,0	87,4	91,4	78,4	82,9	81,4	77,8	62,8	87,9	50,7	93,2	80,3	96,6

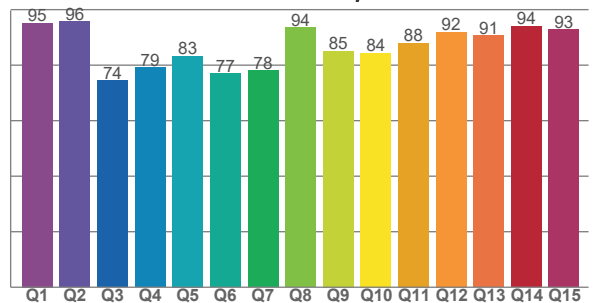
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,0	94,0	83,8	80,5	82,4	80,0	80,8	84,4	88,3	82,3	74,0	80,7	85,8	83,0	83,8	83,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,1	95,6	74,4	79,2	83,3	77,0	78,0	93,6	85,1	84,3	88,0	91,9	90,7	94,0	92,8

CQS: 85,0



COLOR PARAMETERS

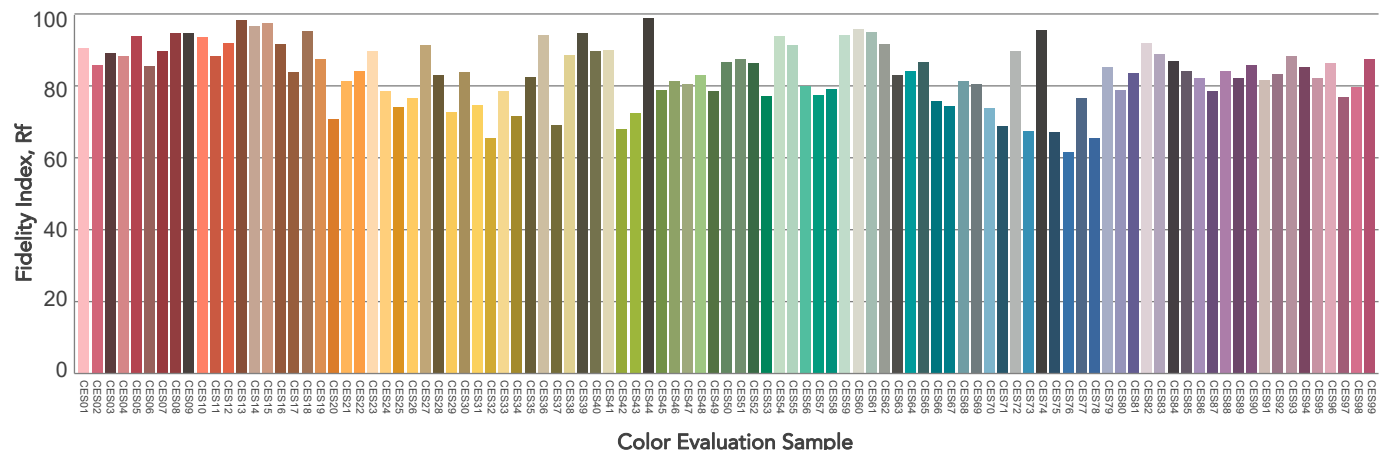
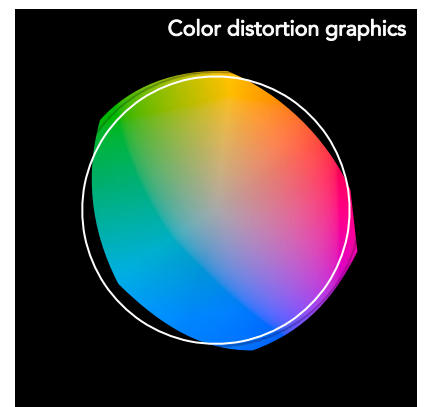
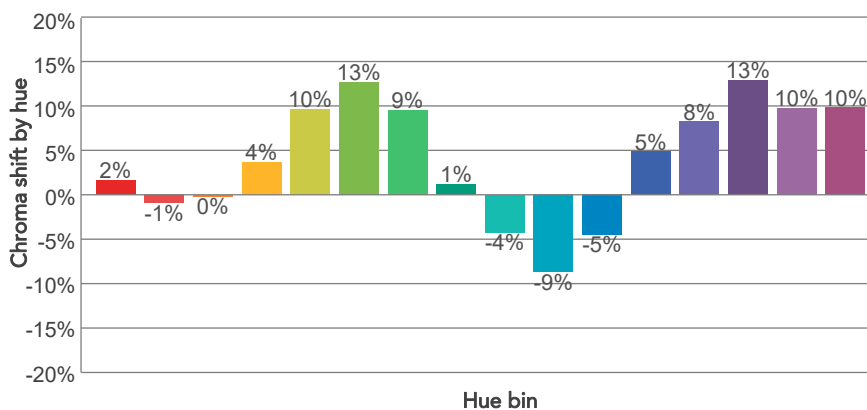
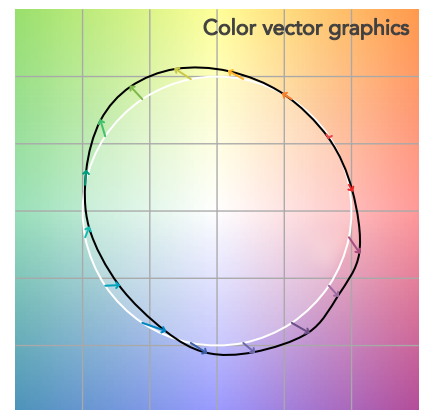
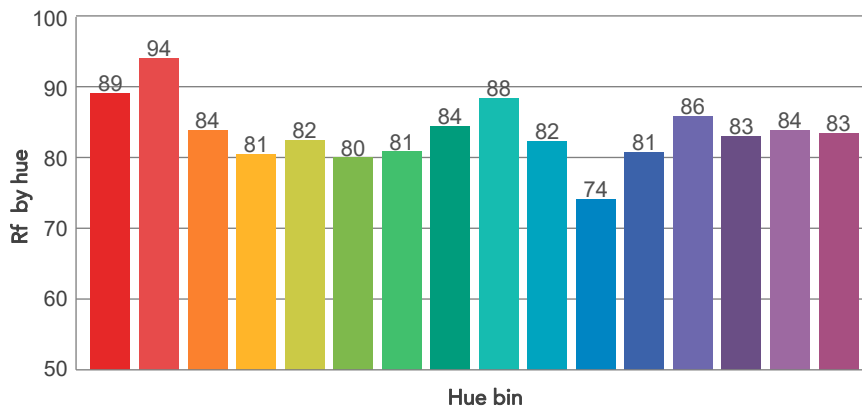
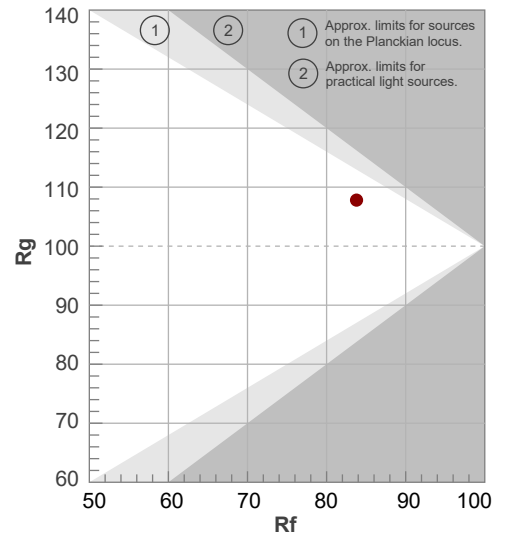
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3207 K	84,3	77,8	83,8	107,8	85,0	72	0,429	0,411	0,0041

TM30 DETAILS

Rf 83,8
Fidelity index Rf

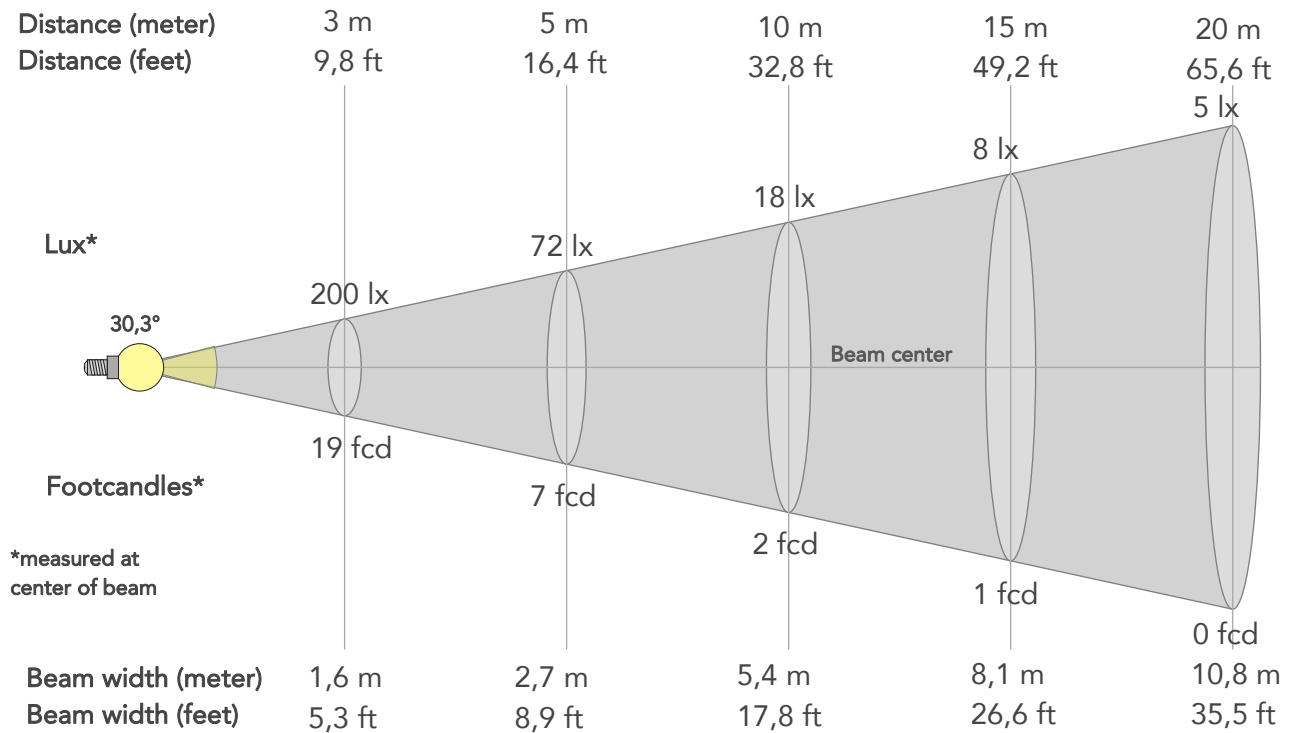
Rg 107,8
Gammut index

		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	89	2%	-5%
2	94	-1%	-1%
3	84	0%	8%
4	81	4%	12%
5	82	10%	10%
6	80	13%	2%
7	81	9%	-8%
8	84	1%	-10%
9	88	-4%	-6%
10	82	-9%	5%
11	74	-5%	17%
12	81	5%	13%
13	86	8%	7%
14	83	13%	6%
15	84	10%	-2%
16	83	10%	-10%



BEAM DETAILS

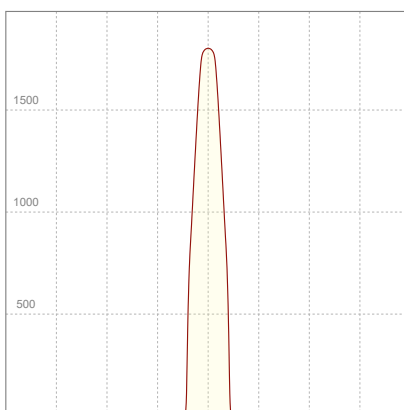
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
30,3°	38°	39,7°	99,0%	98,7%



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	1803lx	451lx	200lx	113lx	72lx	32lx	18lx	8lx	5lx	3lx	2lx	1lx	1lx
Footcand.	167fcd	42fcd	19fcd	10fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1,1m	1,6m	2,2m	2,7m	4,1m	5,4m	8,1m	10,8m	13,5m	16,2m	21,7m	27,1m
Beam wid.	1,8ft	3,6ft	5,3ft	7,1ft	8,9ft	13,3ft	17,8ft	26,6ft	35,5ft	44,4ft	53,3ft	71ft	88,8ft

LINEAR DISTRIBUTION DIAGRAM

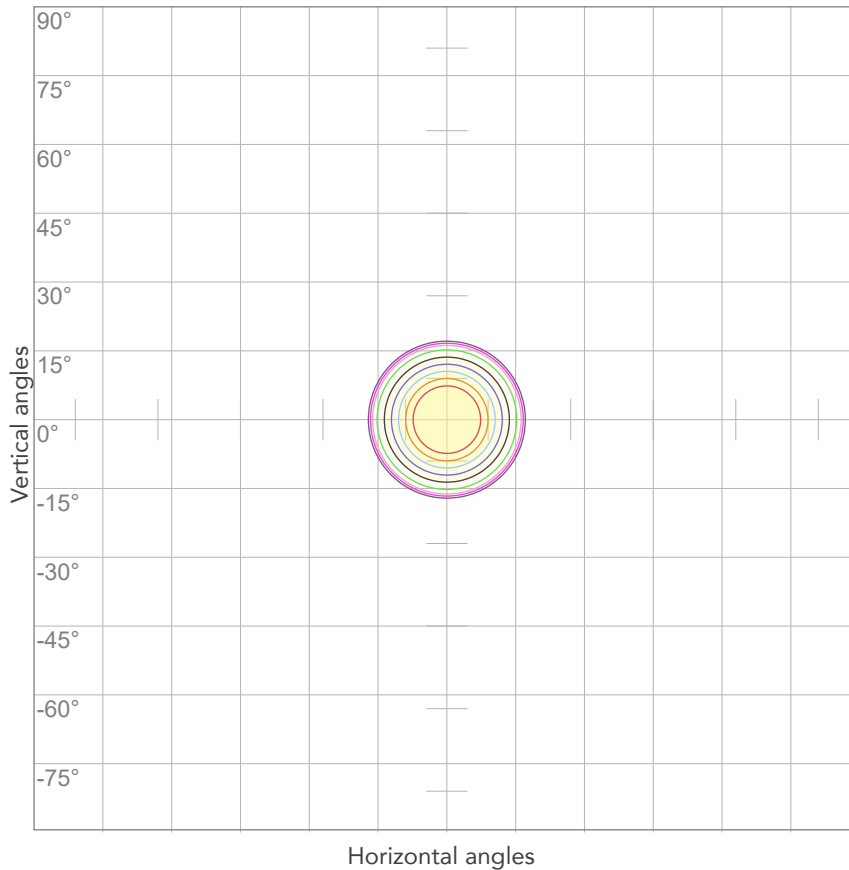


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,133A	26,0W	0,86	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



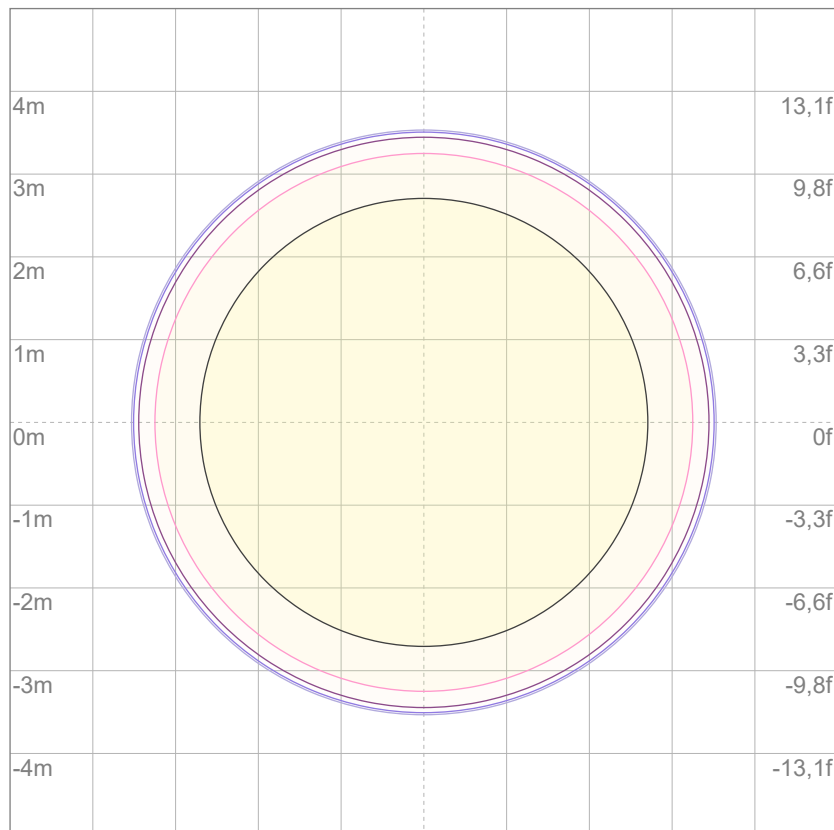
10%	180 cd
20%	361 cd
30%	541 cd
40%	721 cd
50%	901 cd
60%	1082 cd
70%	1262 cd
80%	1442 cd

Conditions:

Number of c-planes: 2

Candela at center: 1803 cd

ISO LUX DIAGRAM



3%	0,541 lx
5%	0,901 lx
10%	1,80 lx
30%	5,41 lx
50%	9,01 lx

Conditions:

Number of c-planes: 2

Lux at center: 18,0 lx

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



Total lumen output:

397 lm

Peak candela output:

6293 cd

Light quality:

CRI: 84,4

Color temperature:

3195 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 HD Lens - Min Zoom

Target:

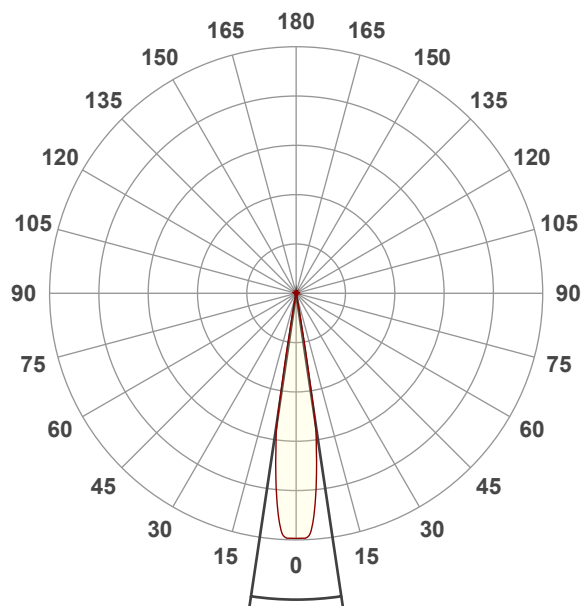
3200K

Operator:

Giuseppe della Peruta

Date and time:

30/07/2025 10:20:26

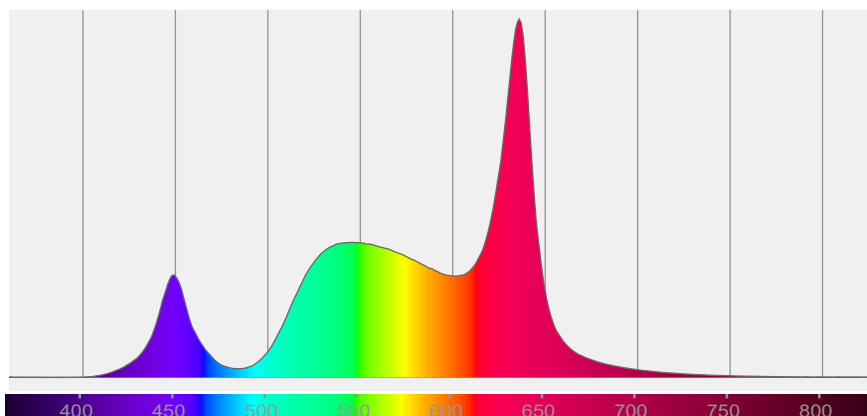


Beam angle 50%: 17°

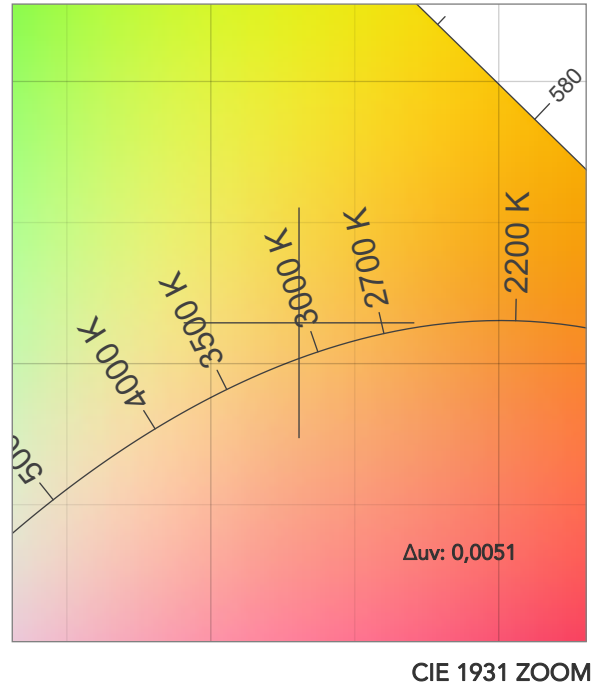
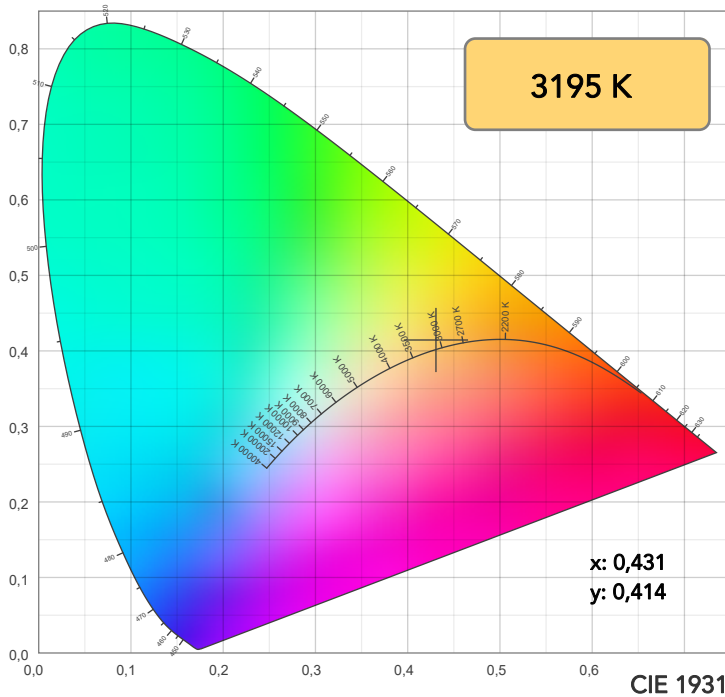
Field angle 10%: 19,9°

Cut off angle 2.5%: 20,6°

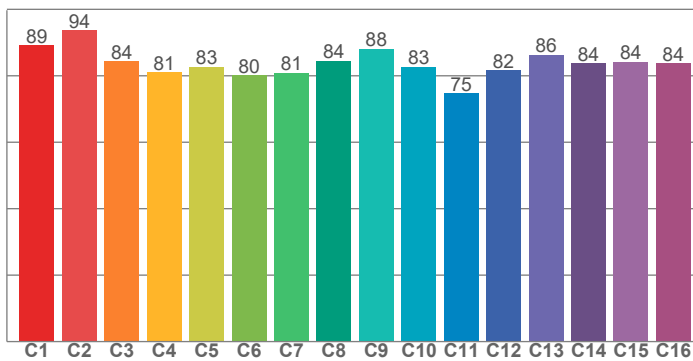
Spectra



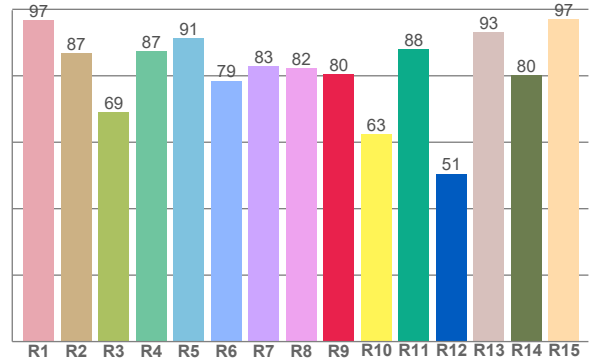
COLOR DETAILS



TM30: 84,1



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
96,7	86,9	69,0	87,4	91,3	78,5	83,0	82,2	80,4	62,5	88,0	50,5	93,1	80,3	97,1

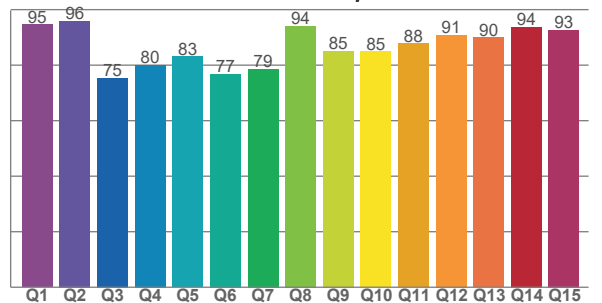
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,2	93,8	84,4	81,0	82,7	80,2	80,8	84,5	88,2	82,7	74,8	81,6	86,3	83,8	84,1	83,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,6	95,8	75,3	80,0	83,2	76,8	78,6	94,1	85,2	84,9	87,7	90,9	89,9	93,8	92,6

CQS: 85,1



COLOR PARAMETERS

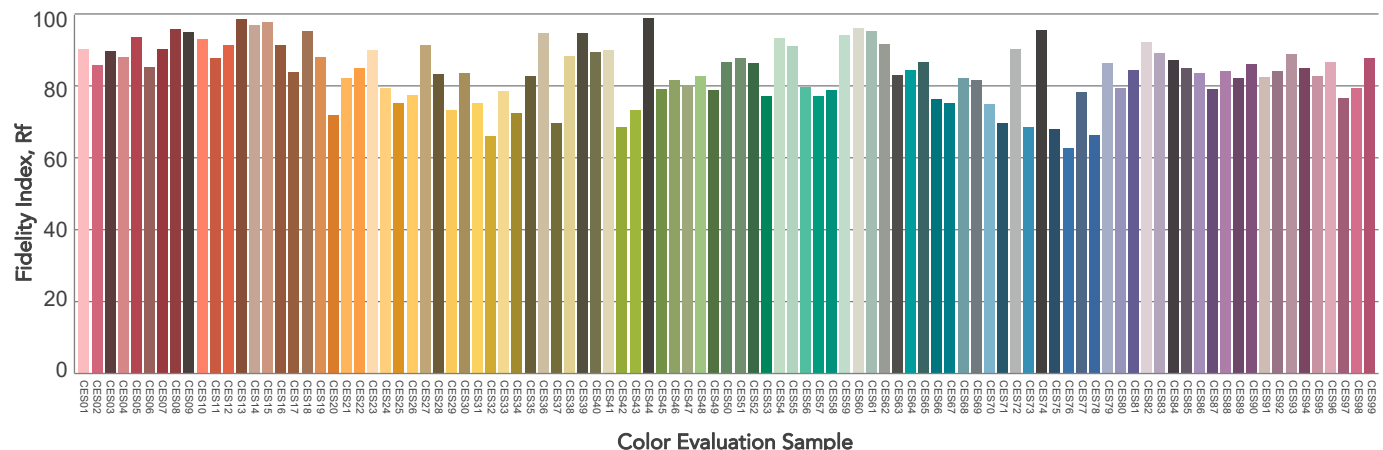
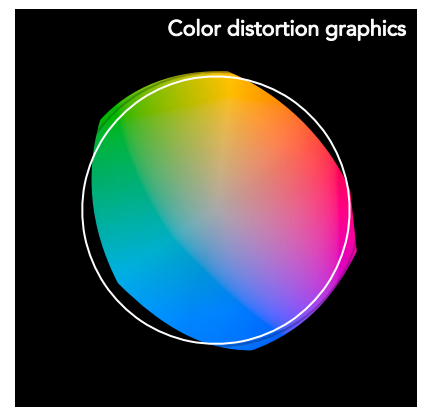
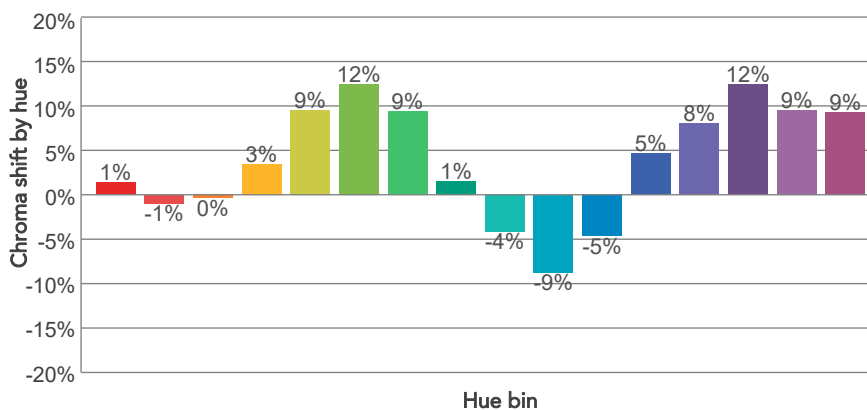
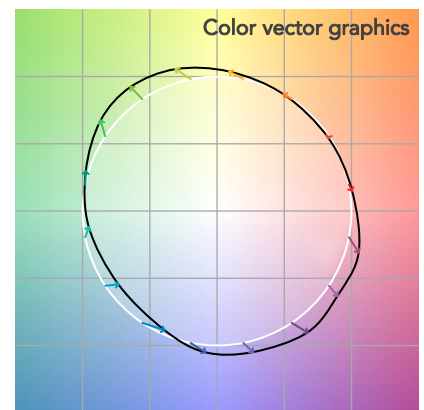
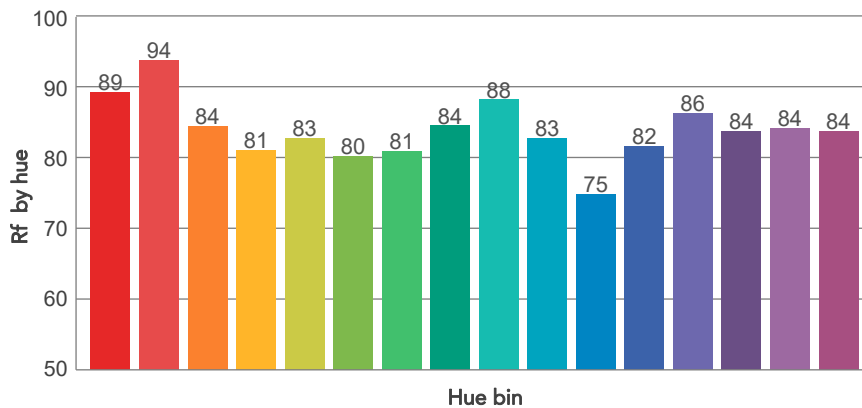
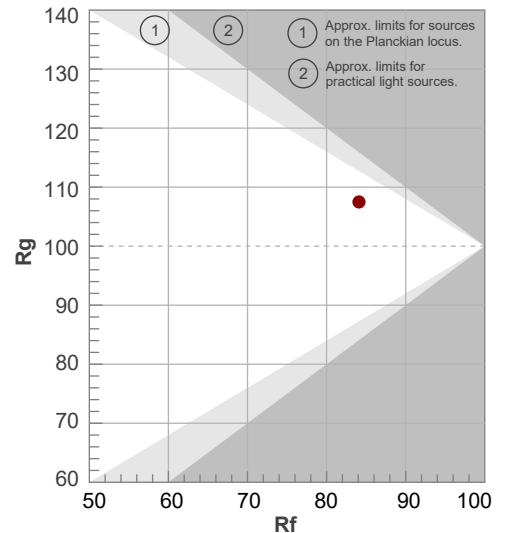
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3195 K	84,4	80,4	84,1	107,5	85,1	72	0,431	0,414	0,0051

TM30 DETAILS

Rf 84,1
Fidelity index Rf

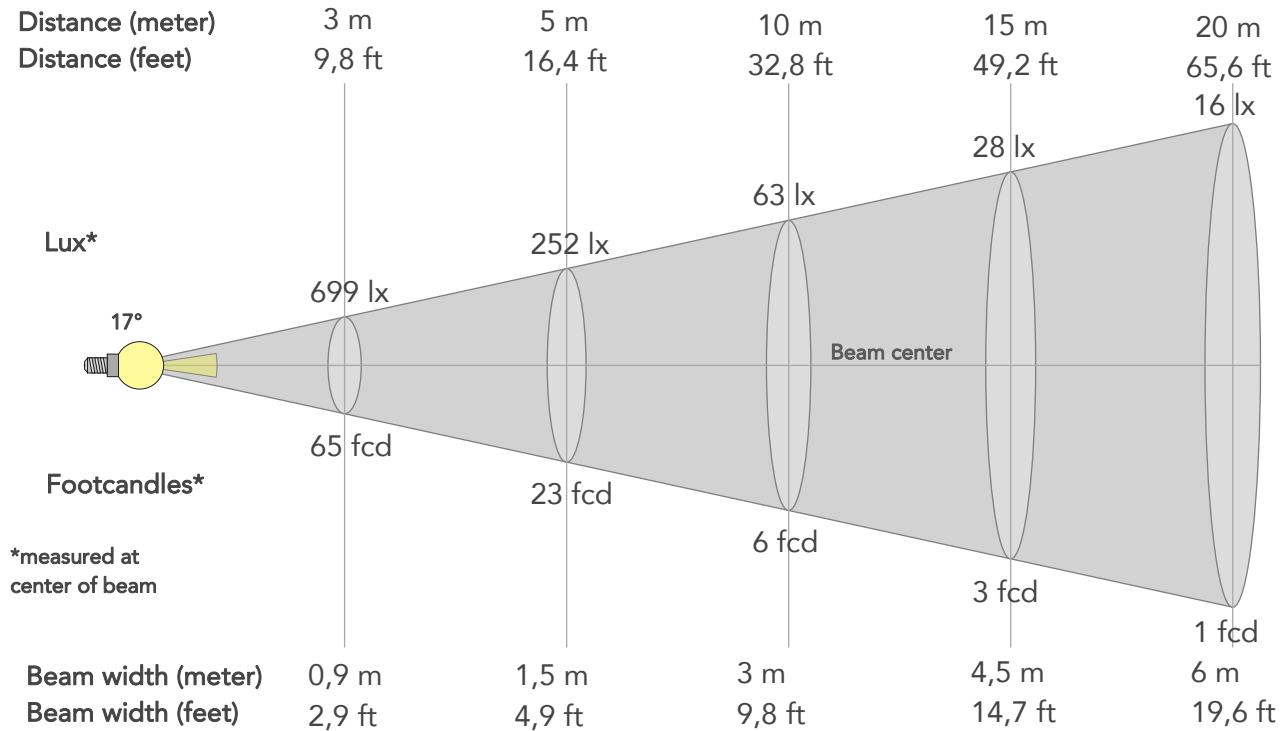
Rg 107,5
Gammut index

		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	89	1%	-5%
2	94	-1%	-1%
3	84	0%	7%
4	81	3%	11%
5	83	9%	10%
6	80	12%	2%
7	81	9%	-8%
8	84	1%	-10%
9	88	-4%	-7%
10	83	-9%	5%
11	75	-5%	17%
12	82	5%	12%
13	86	8%	6%
14	84	12%	6%
15	84	9%	-3%
16	84	9%	-10%



BEAM DETAILS

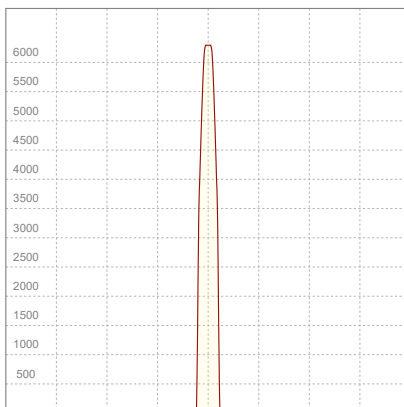
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17°	19,9°	20,6°	98,6%	98,2%



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	6293lx	1573lx	699lx	393lx	252lx	112lx	63lx	28lx	16lx	10lx	7lx	4lx	3lx
Footcand.	585fcd	146fcd	65fcd	37fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,5m	2,2m	3m	4,5m	6m	7,5m	8,9m	11,9m	14,9m
Beam wid.	1ft	2ft	2,9ft	3,9ft	4,9ft	7,3ft	9,8ft	14,7ft	19,6ft	24,4ft	29,3ft	39,1ft	48,9ft

LINEAR DISTRIBUTION DIAGRAM

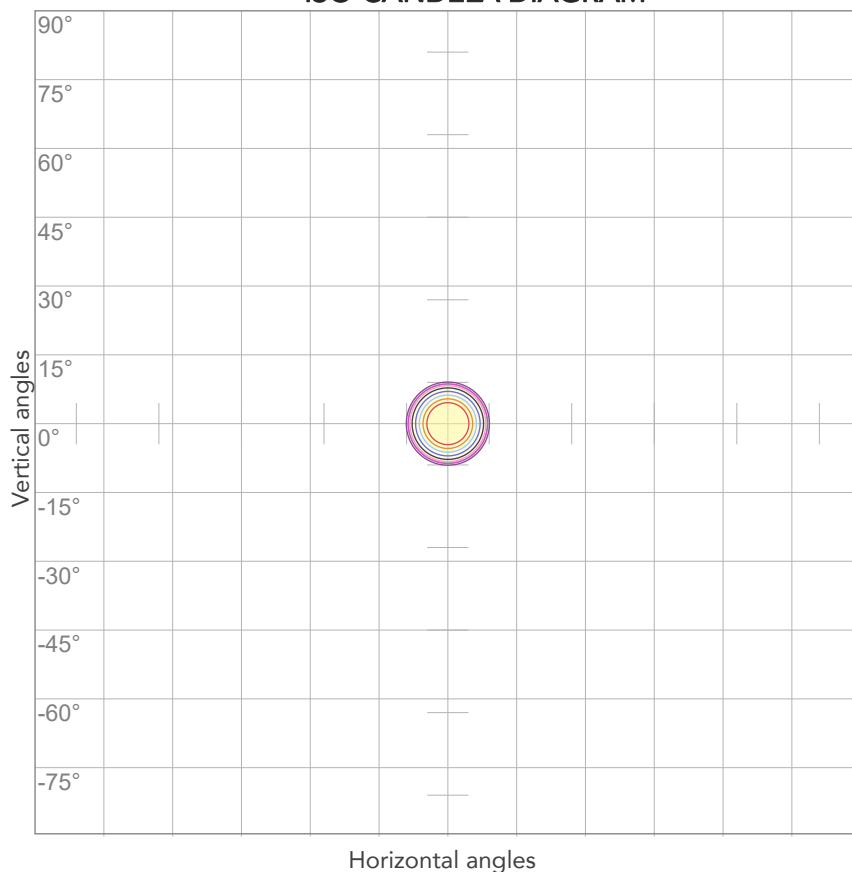


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,131A	25,5W	0,86	16lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



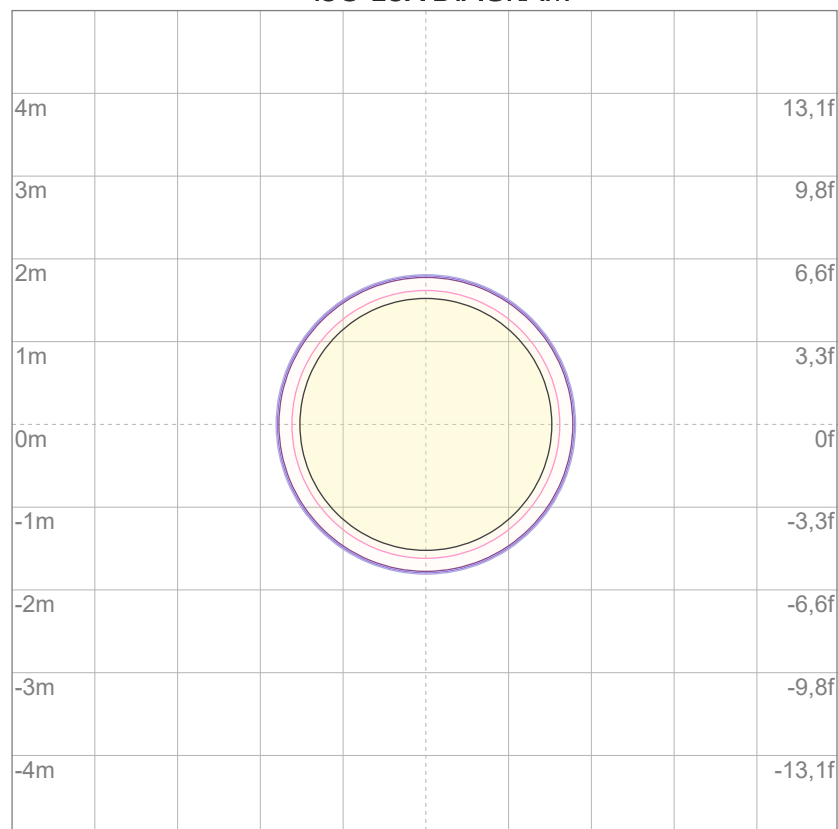
10%	629 cd
20%	1259 cd
30%	1888 cd
40%	2517 cd
50%	3147 cd
60%	3776 cd
70%	4405 cd
80%	5035 cd

Conditions:

Number of c-planes: 2

Candela at center: 6293 cd

ISO LUX DIAGRAM



3%	1,89 lx
5%	3,15 lx
10%	6,29 lx
30%	18,9 lx
50%	31,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 62,9 lx

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



Total lumen output:

370 lm

Peak candela output:

1740 cd

Light quality:

CRI: 82,0

Color temperature:

4000 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 HD Lens - Max Zoom

Target:

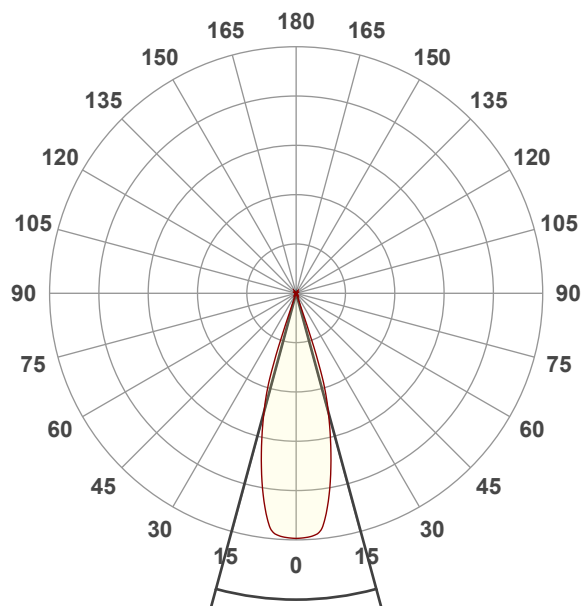
4000K

Operator:

Giuseppe della Peruta

Date and time:

29/07/2025 15:10:16

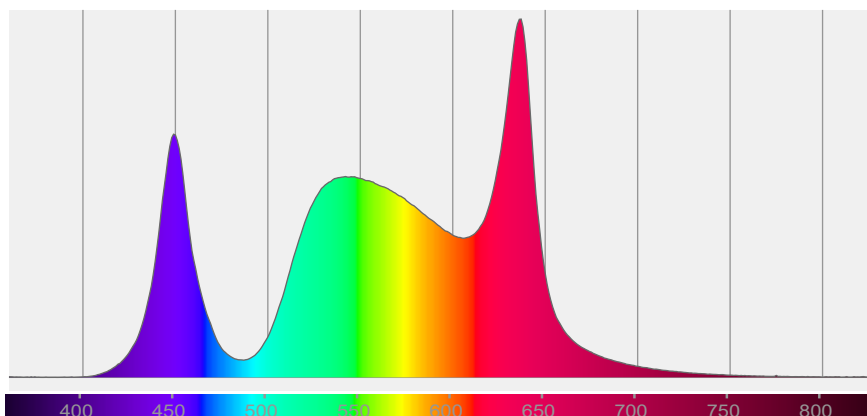


Beam angle 50%: 30,3°

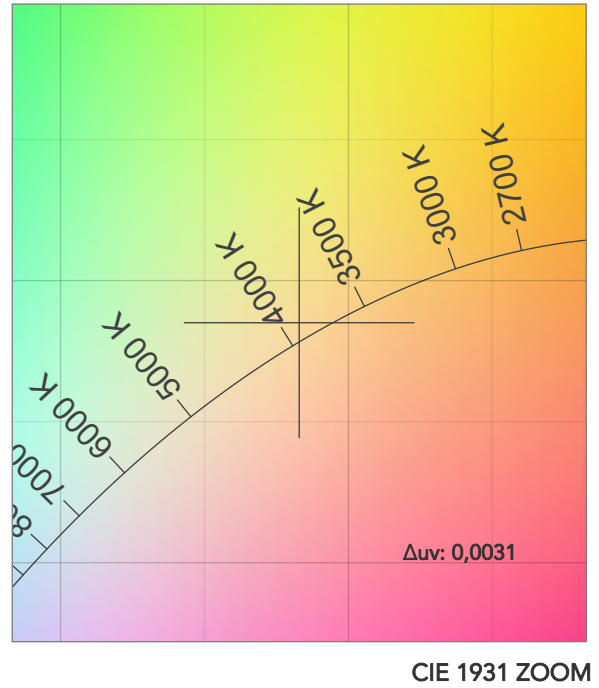
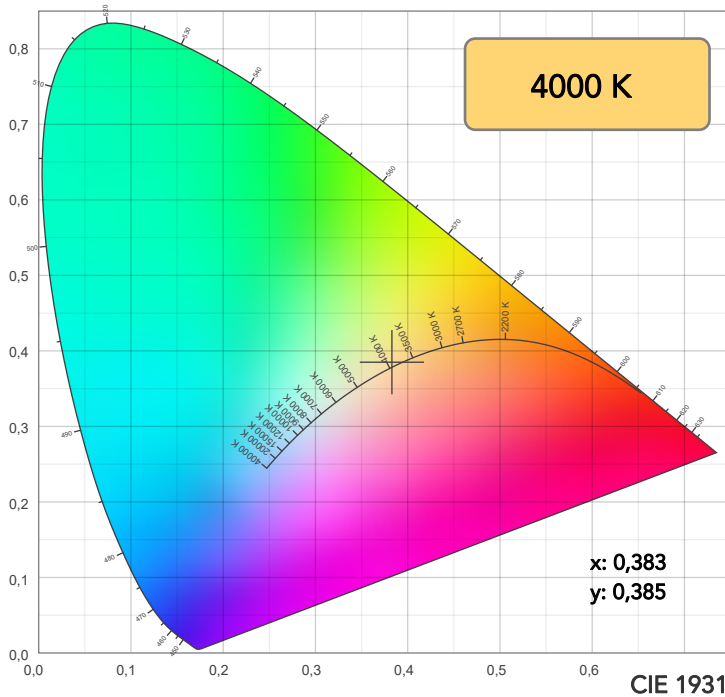
Field angle 10%: 38,1°

Cut off angle 2.5%: 39,7°

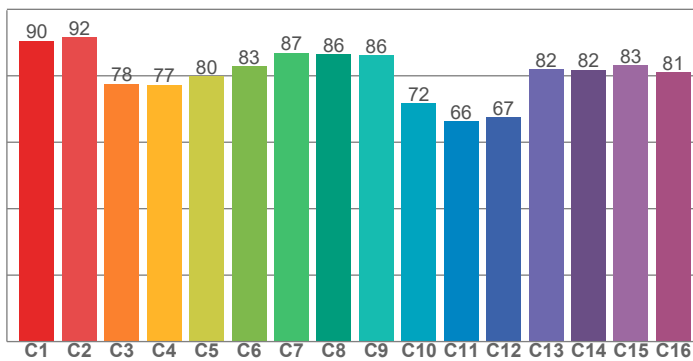
Spectra



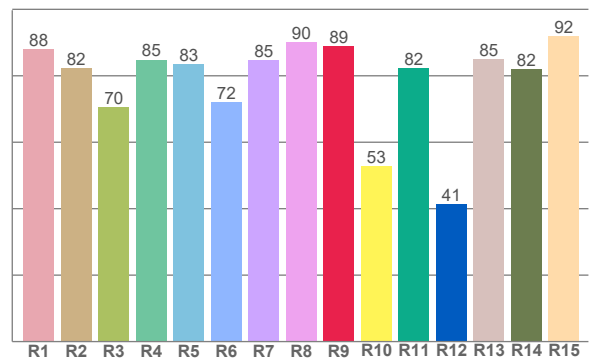
COLOR DETAILS



TM30: 80,8



CRI: 82,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
88,0	82,2	70,5	84,8	83,5	72,2	84,6	90,2	88,9	52,7	82,2	41,3	85,0	81,9	91,9

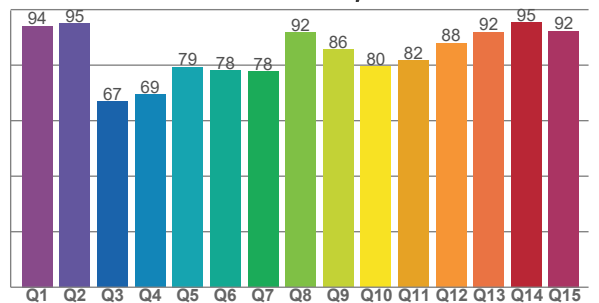
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,5	91,6	77,6	77,2	79,9	82,9	86,9	86,5	86,1	71,7	66,4	67,5	81,9	81,8	83,2	81,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,0	95,0	67,0	69,4	79,3	78,1	77,8	91,7	85,7	79,5	81,7	88,0	91,9	95,3	92,3

CQS: 82,1



COLOR PARAMETERS

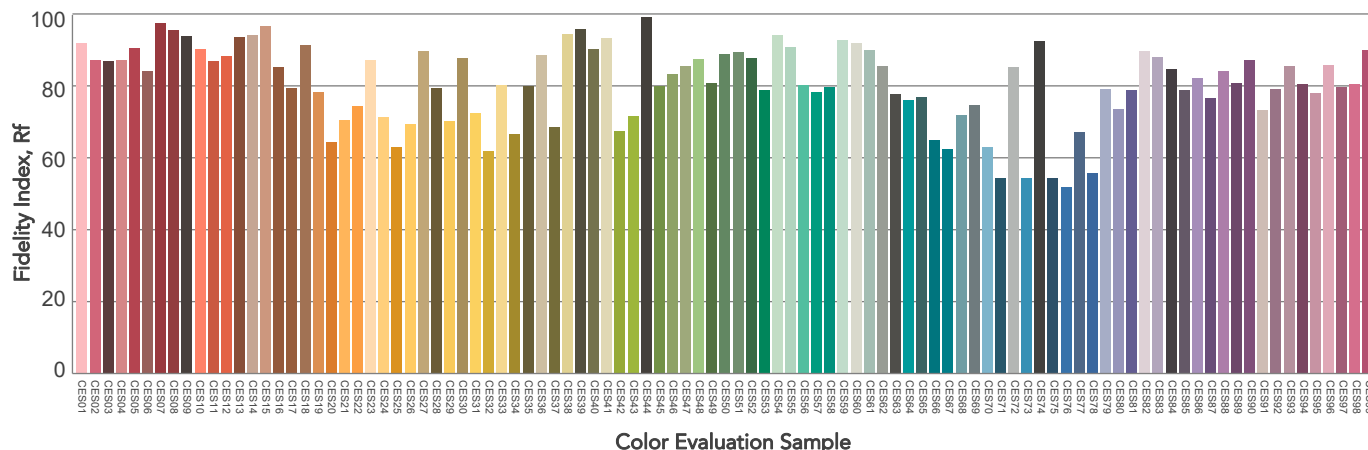
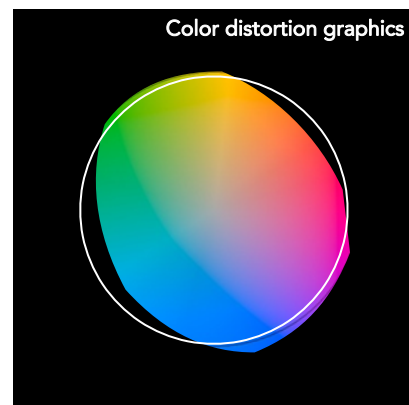
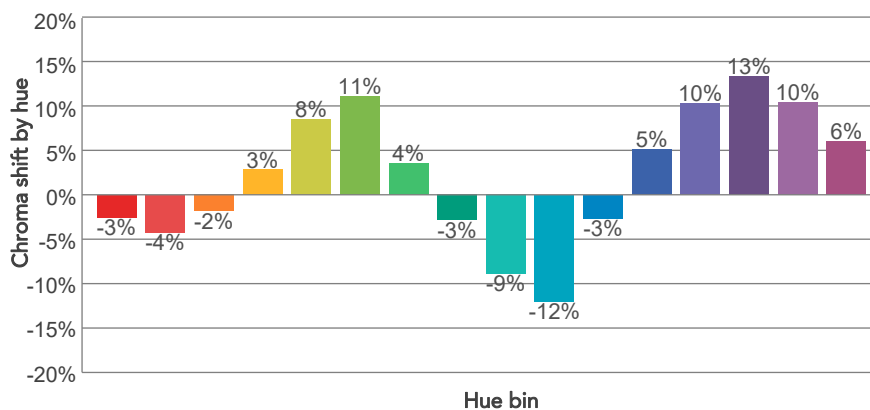
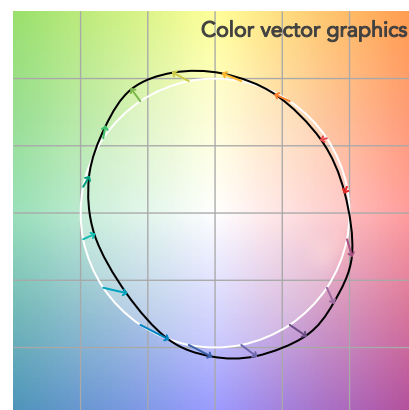
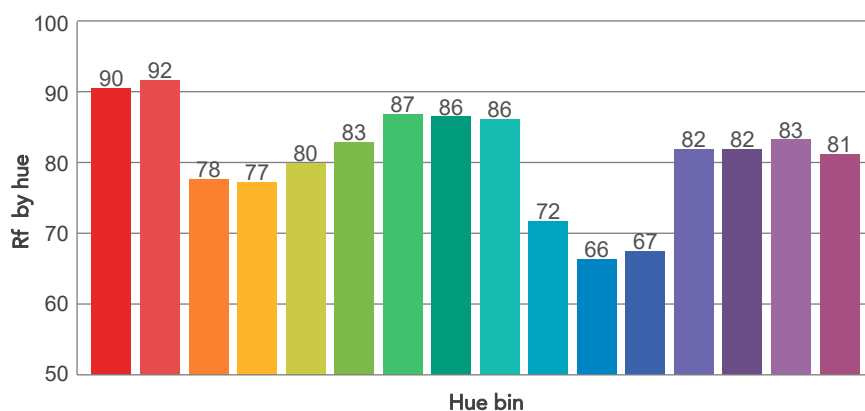
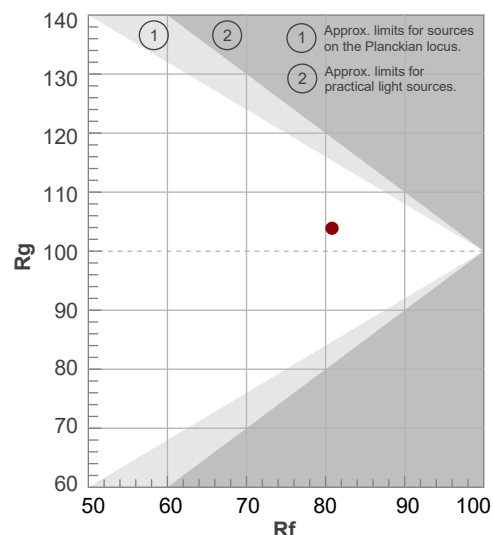
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4000 K	82,0	88,9	80,8	103,9	82,1	69	0,383	0,385	0,0031

TM30 DETAILS

Rf 80,8
Fidelity index Rf

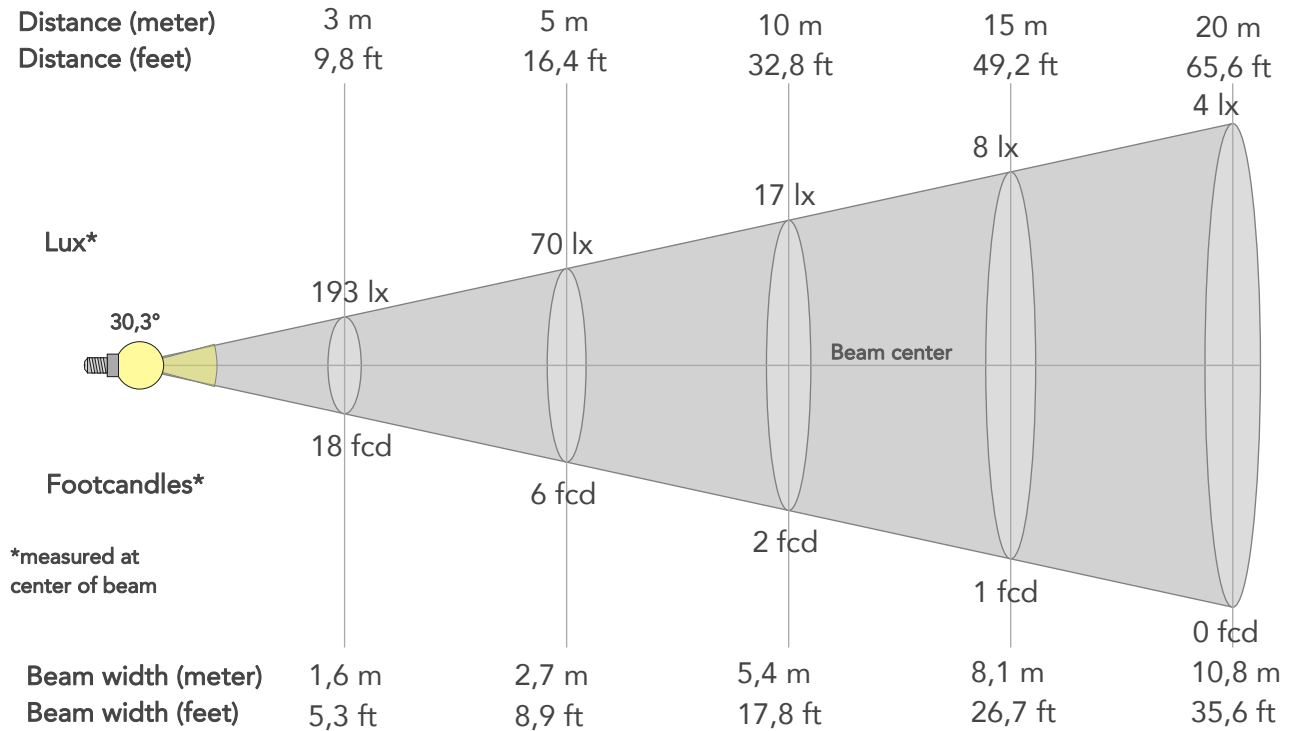
Rg 103,9
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	90	-3%	-4%
2	92	-4%	1%
3	78	-2%	12%
4	77	3%	14%
5	80	8%	10%
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	13%	5%
15	83	10%	-6%
16	81	6%	-11%



BEAM DETAILS

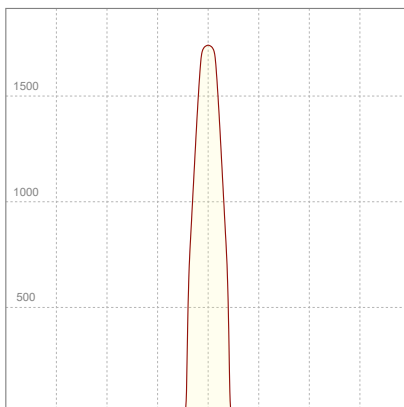
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
30,3°	38,1°	39,7°	99,5%	99,3%



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	1740lx	435lx	193lx	109lx	70lx	31lx	17lx	8lx	4lx	3lx	2lx	1lx	1lx
Footcand.	162fcd	40fcd	18fcd	10fcd	6fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1,1m	1,6m	2,2m	2,7m	4,1m	5,4m	8,1m	10,8m	13,6m	16,3m	21,7m	27,1m
Beam wid.	1,8ft	3,6ft	5,3ft	7,1ft	8,9ft	13,3ft	17,8ft	26,7ft	35,6ft	44,5ft	53,4ft	71,2ft	88,9ft

LINEAR DISTRIBUTION DIAGRAM

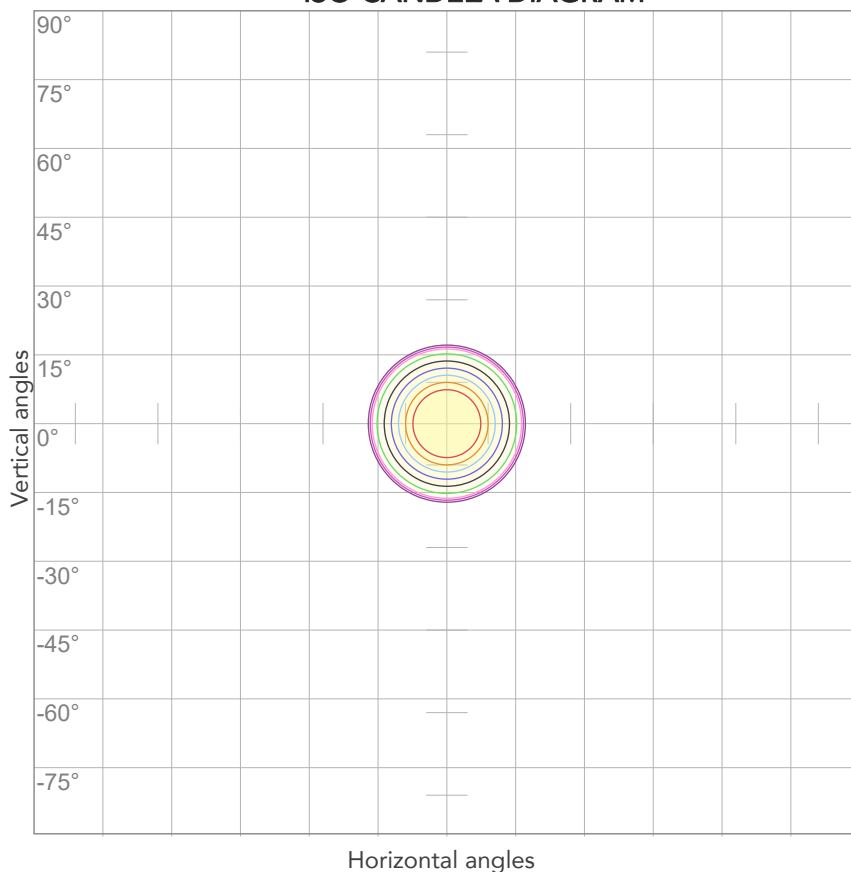


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,132A	25,7W	0,86	14lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



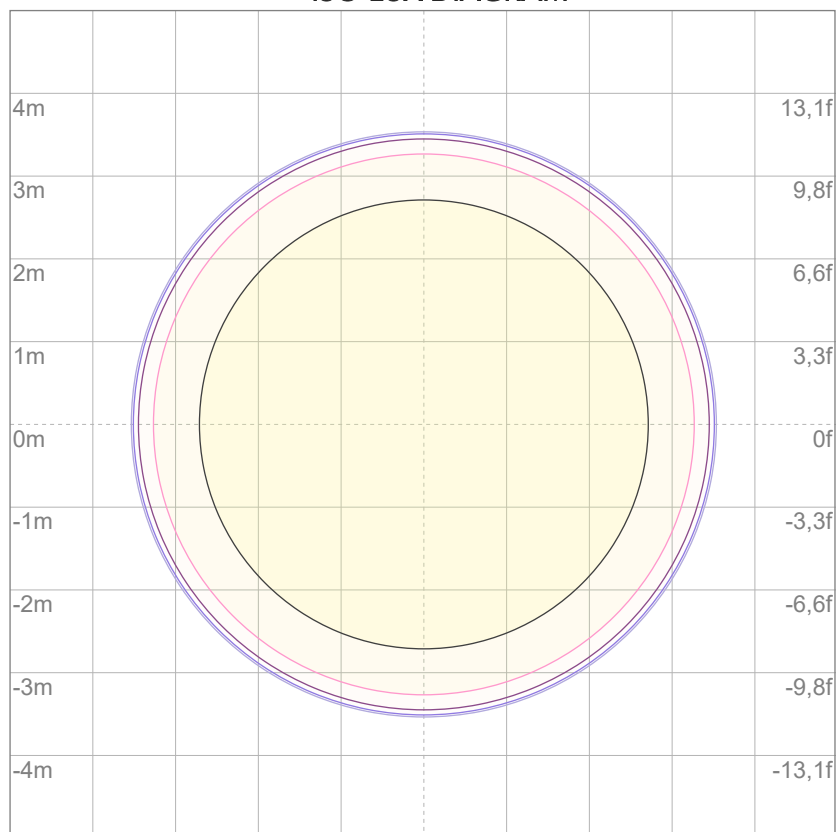
10%	174 cd
20%	348 cd
30%	522 cd
40%	696 cd
50%	870 cd
60%	1044 cd
70%	1218 cd
80%	1392 cd

Conditions:

Number of c-planes: 2

Candela at center: 1740 cd

ISO LUX DIAGRAM



3%	0,522 lx
5%	0,870 lx
10%	1,74 lx
30%	5,22 lx
50%	8,70 lx

Conditions:

Number of c-planes: 2

Lux at center: 17,4 lx

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



Total lumen output:

401 lm

Peak candela output:

6335 cd

Light quality:

CRI: 81,6

Color temperature:

4012 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 HD Lens - Min Zoom

Target:

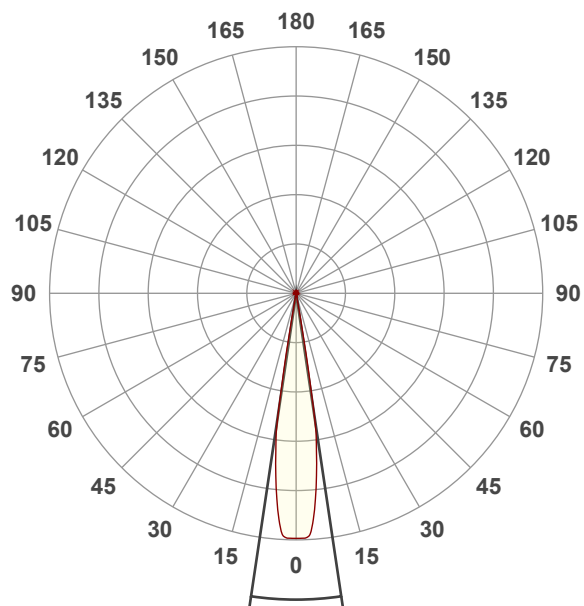
4000K

Operator:

Giuseppe della Peruta

Date and time:

30/07/2025 10:14:36

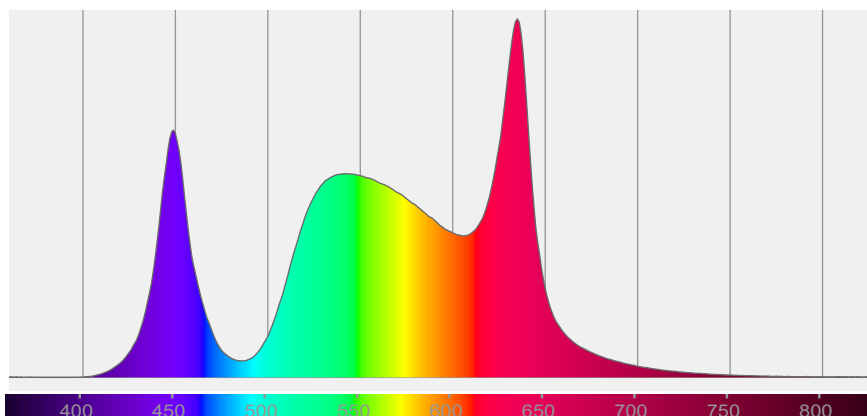


Beam angle 50%: 16,9°

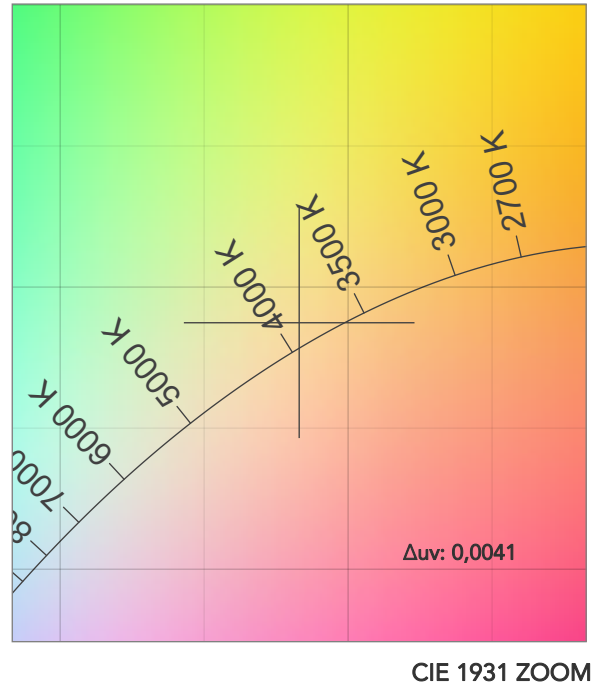
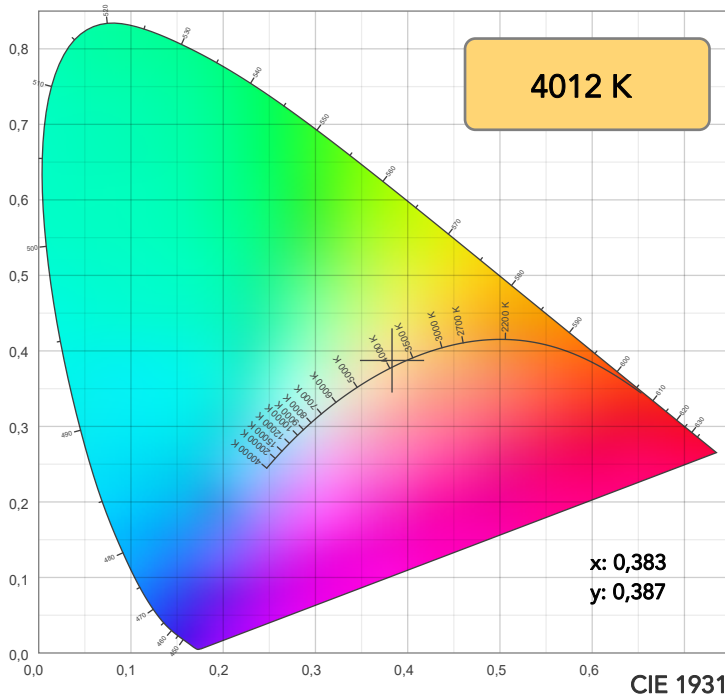
Field angle 10%: 19,9°

Cut off angle 2.5%: 20,6°

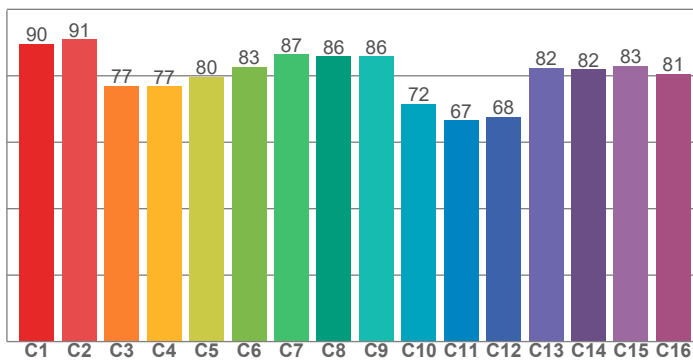
Spectra



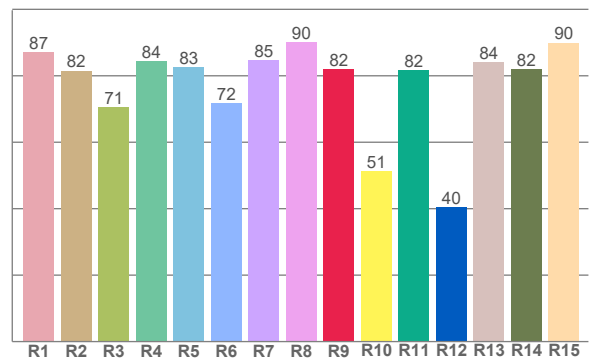
COLOR DETAILS



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
87,1	81,5	70,7	84,3	82,5	71,7	84,6	90,1	82,0	51,3	81,7	40,4	84,0	82,0	89,9

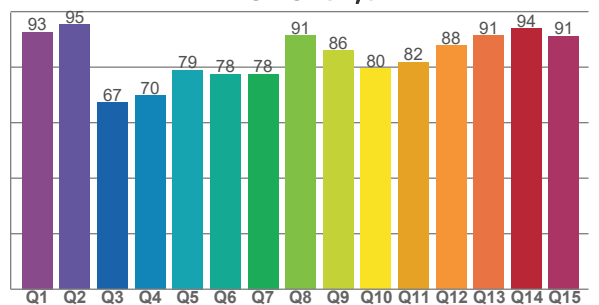
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,6	91,0	76,9	76,9	79,7	82,7	86,5	85,9	85,8	71,6	66,5	67,6	82,4	82,0	83,0	80,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,6	95,3	67,2	69,7	79,0	77,5	77,6	91,5	86,0	79,5	81,8	87,8	91,4	93,9	91,3

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
4012 K	81,6	82,0	80,5	103,5	82,0	68	0,383	0,387	0,0041

TM30 DETAILS

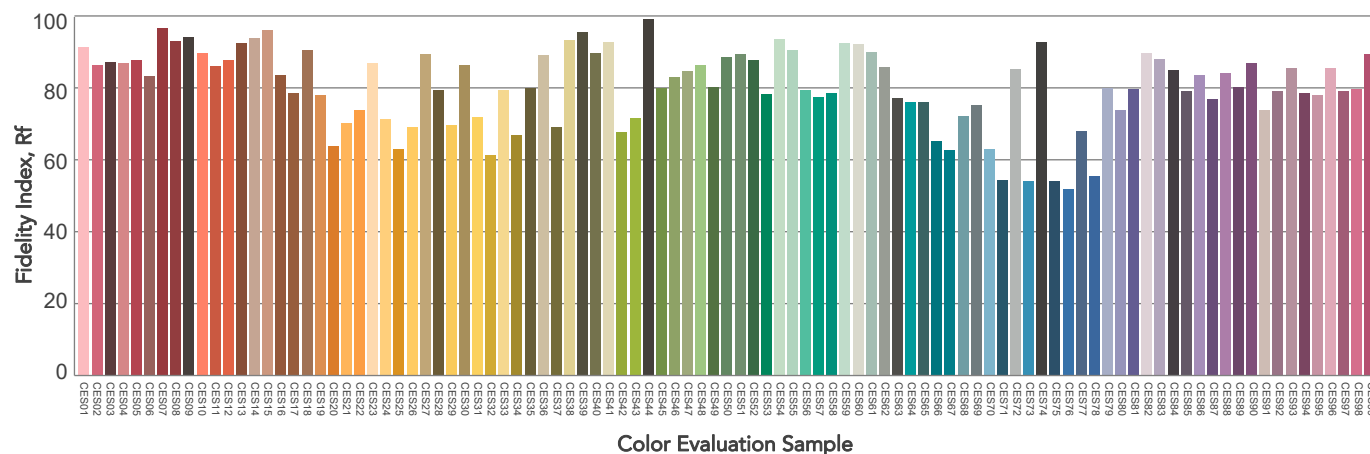
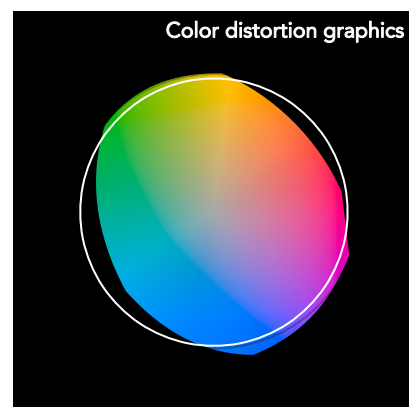
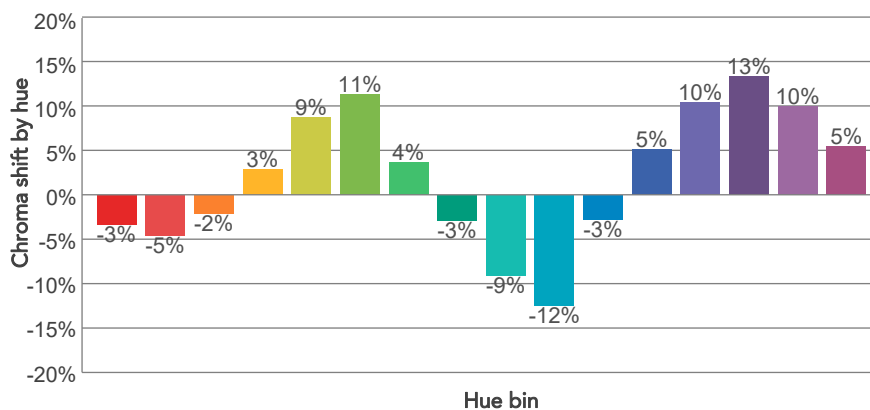
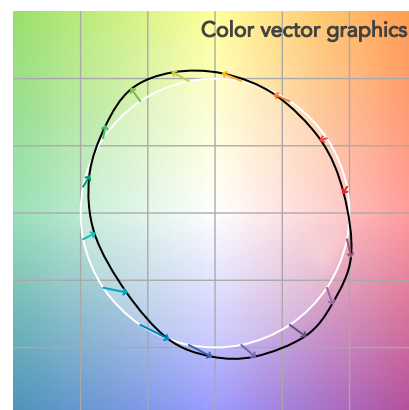
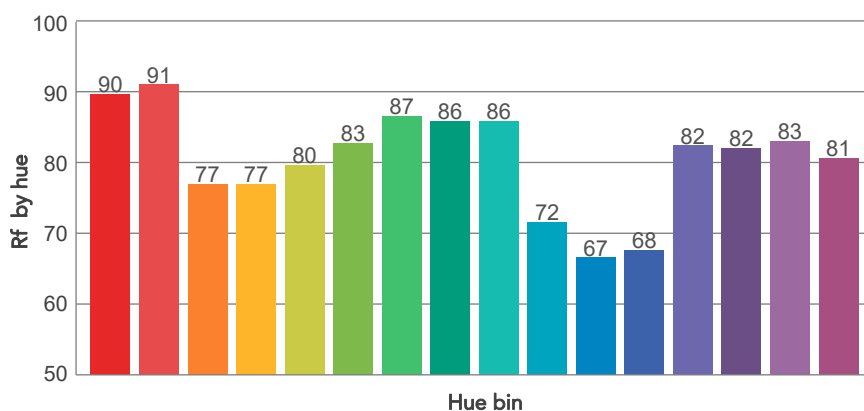
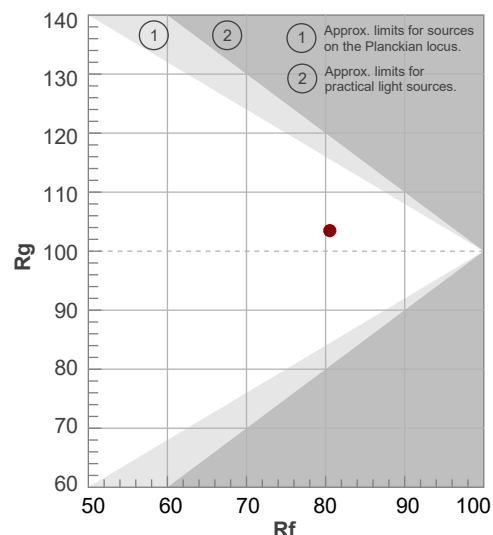
Rf 80,5

Fidelity index Rf

Rg 103,5

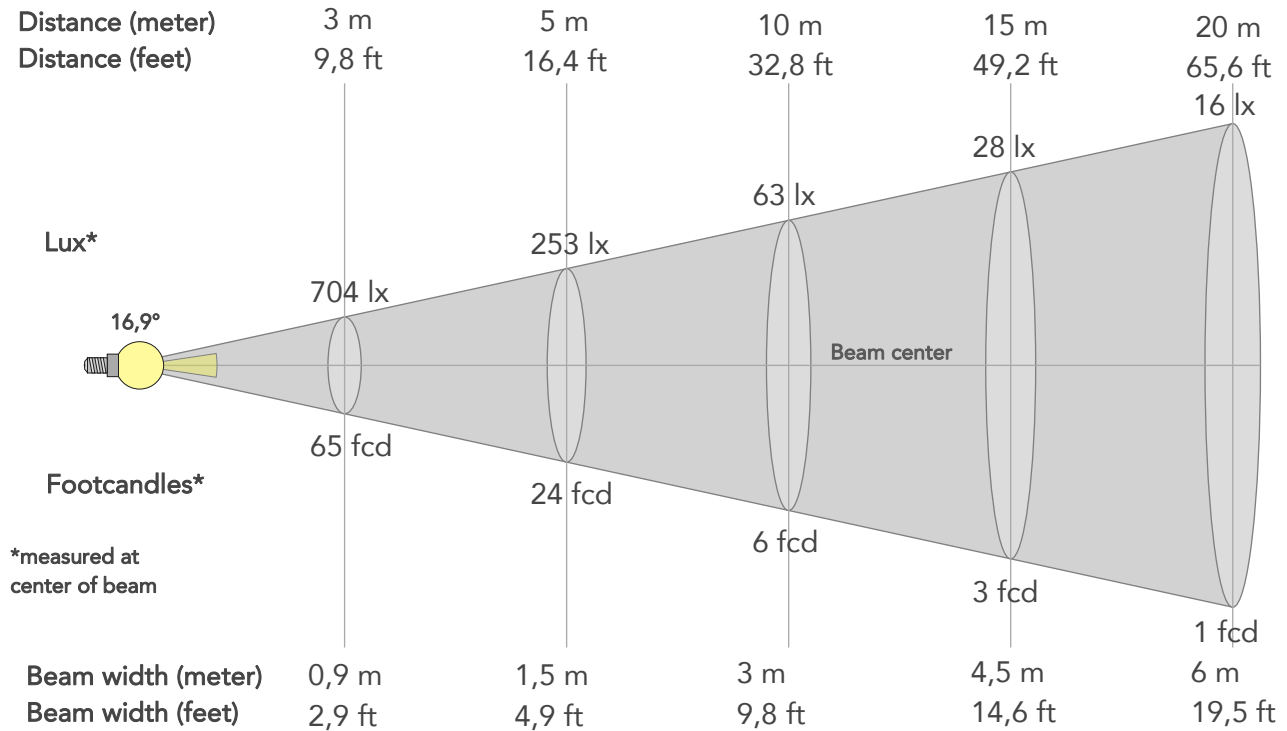
Gammut index

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	9%	10%
6	83	11%	1%
7	87	4%	-8%
8	86	-3%	-8%
9	86	-9%	-3%
10	72	-12%	12%
11	67	-3%	23%
12	68	5%	18%
13	82	10%	8%
14	82	13%	5%
15	83	10%	-7%
16	81	5%	-12%



BEAM DETAILS

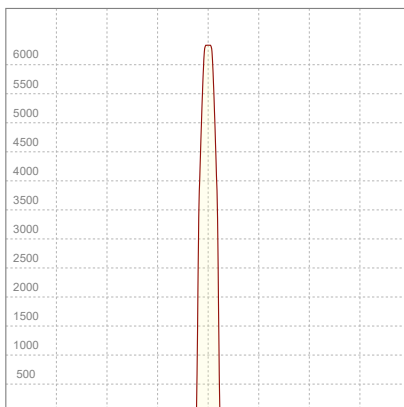
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16,9°	19,9°	20,6°	98,6%	98,2%



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	6335lx	1584lx	704lx	396lx	253lx	113lx	63lx	28lx	16lx	10lx	7lx	4lx	3lx
Footcand.	589fcd	147fcd	65fcd	37fcd	24fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,5m	2,2m	3m	4,5m	6m	7,4m	8,9m	11,9m	14,9m
Beam wid.	1ft	2ft	2,9ft	3,9ft	4,9ft	7,3ft	9,8ft	14,6ft	19,5ft	24,4ft	29,3ft	39,1ft	48,8ft

LINEAR DISTRIBUTION DIAGRAM

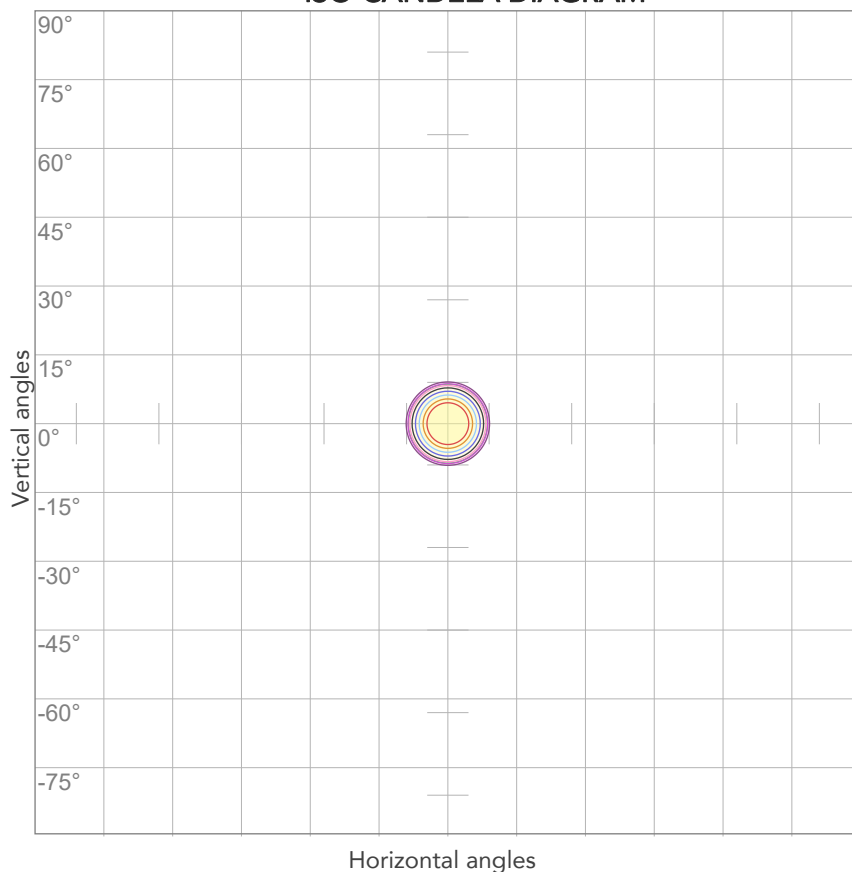


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,130A	25,2W	0,85	16lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



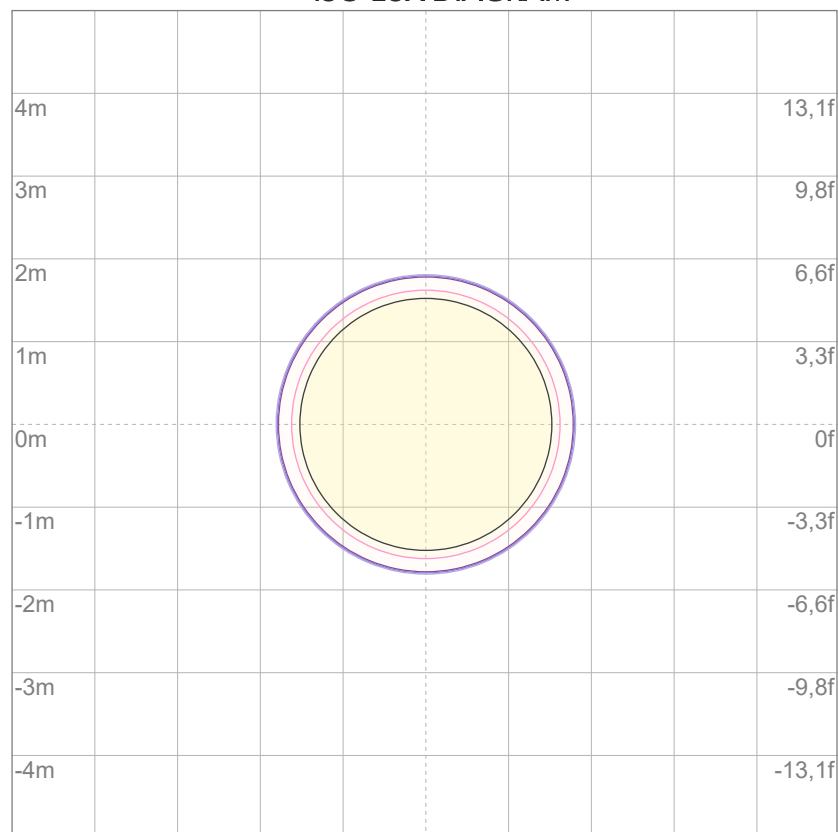
10%	634 cd
20%	1267 cd
30%	1901 cd
40%	2534 cd
50%	3168 cd
60%	3801 cd
70%	4435 cd
80%	5068 cd

Conditions:

Number of c-planes: 2

Candela at center: 6335 cd

ISO LUX DIAGRAM



3%	1,90 lx
5%	3,17 lx
10%	6,34 lx
30%	19,0 lx
50%	31,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 63,4 lx

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



Total lumen output:

395 lm

Peak candela output:

1856 cd

Light quality:

CRI: 82,5

Color temperature:

5659 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 HD Lens - Max Zoom

Target:

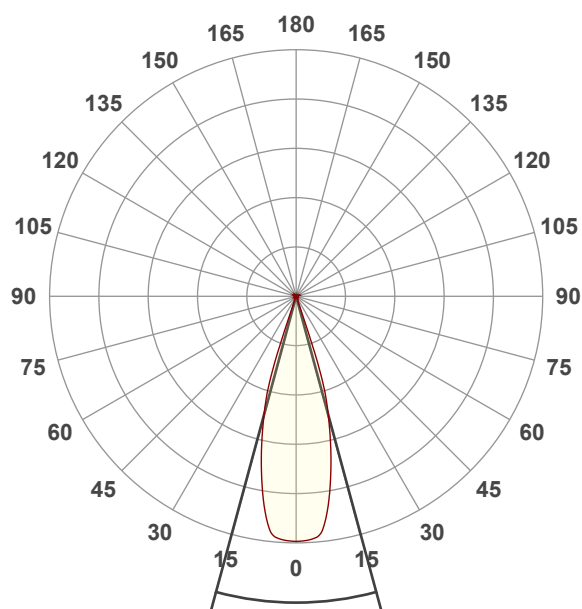
5600K

Operator:

Giuseppe della Peruta

Date and time:

29/07/2025 15:13:49

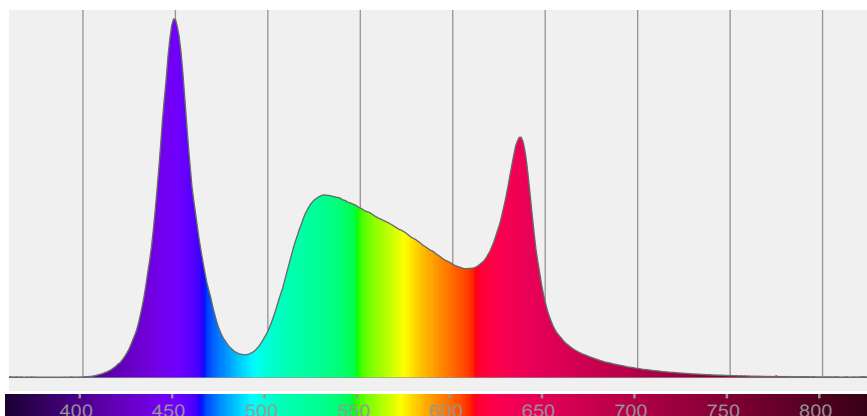


Beam angle 50%: 30,3°

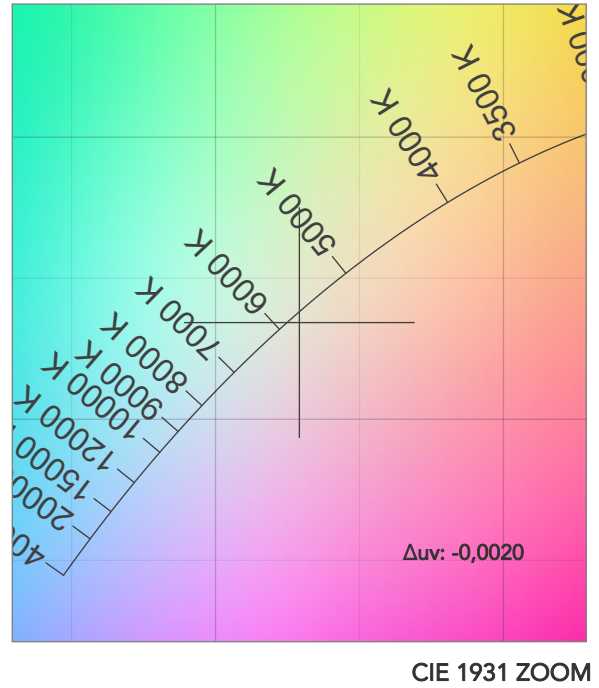
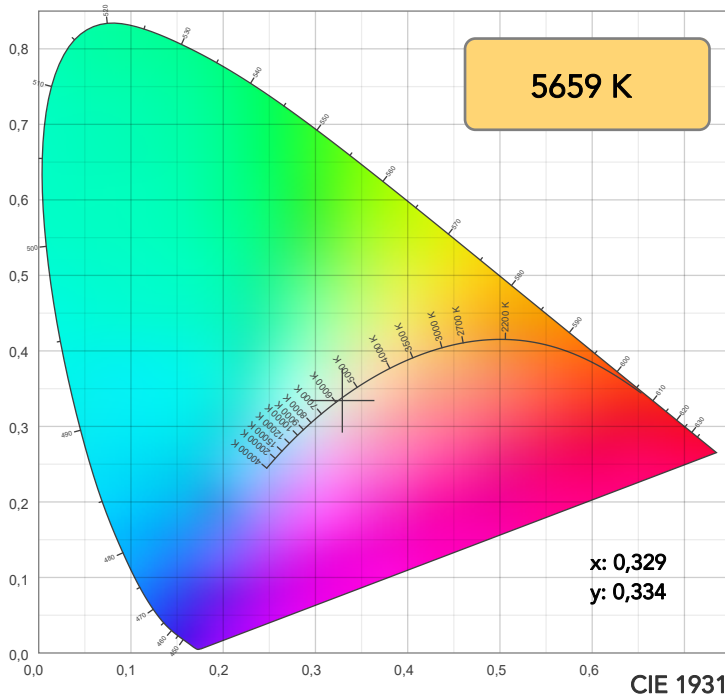
Field angle 10%: 38°

Cut off angle 2.5%: 39,6°

Spectra

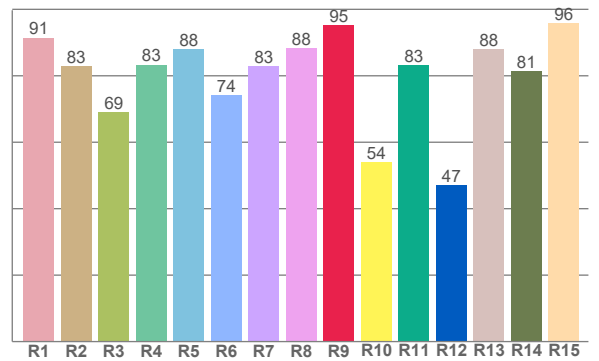
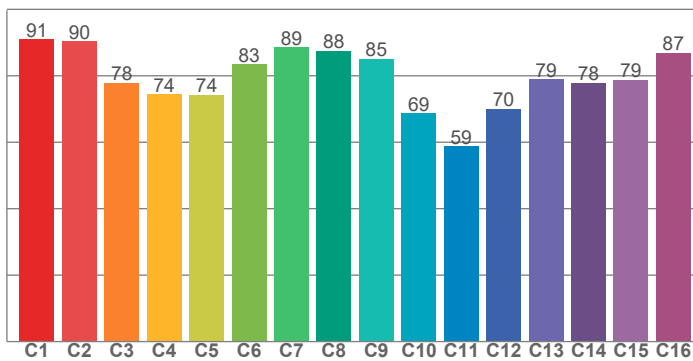


COLOR DETAILS



TM30: 79,2

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
91,5	82,9	68,9	83,3	87,9	74,2	83,0	88,3	95,3	53,9	83,1	47,1	88,0	81,3	95,8

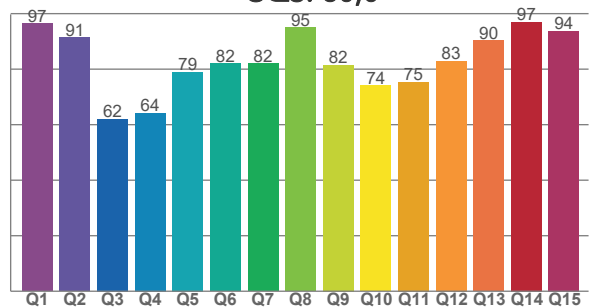
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91,0	90,3	77,8	74,3	74,2	83,4	88,6	87,5	85,0	68,6	58,7	70,1	79,0	77,9	78,8	87,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,5	91,4	62,1	64,2	78,9	82,0	82,1	95,0	81,5	74,1	75,3	82,9	90,3	96,9	93,7

CQS: 80,0



COLOR PARAMETERS

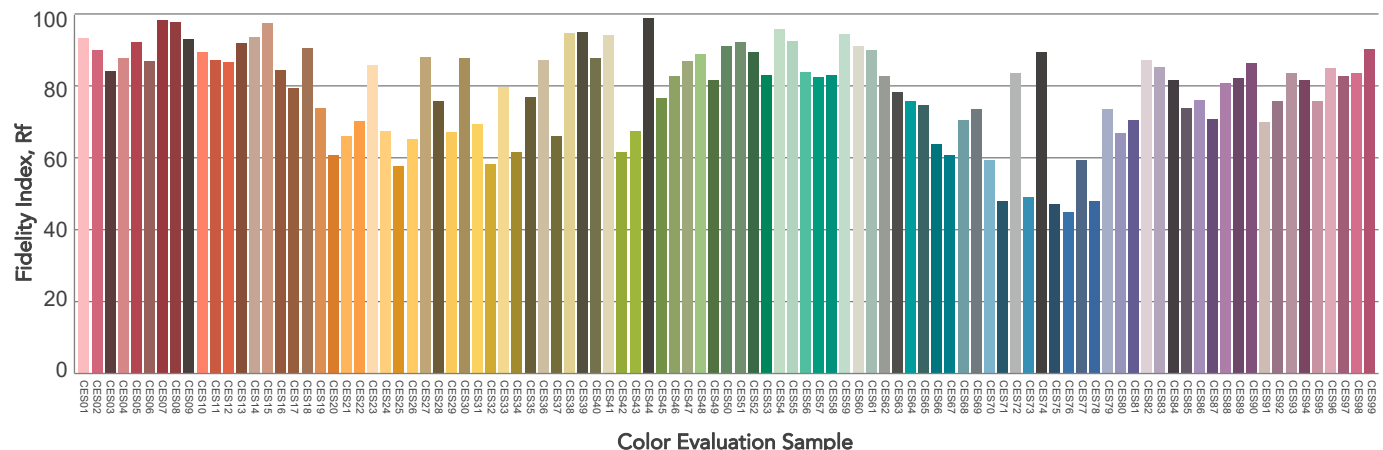
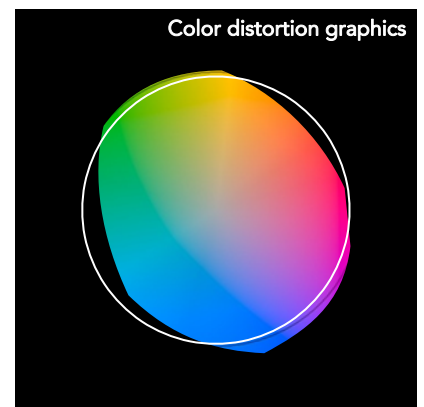
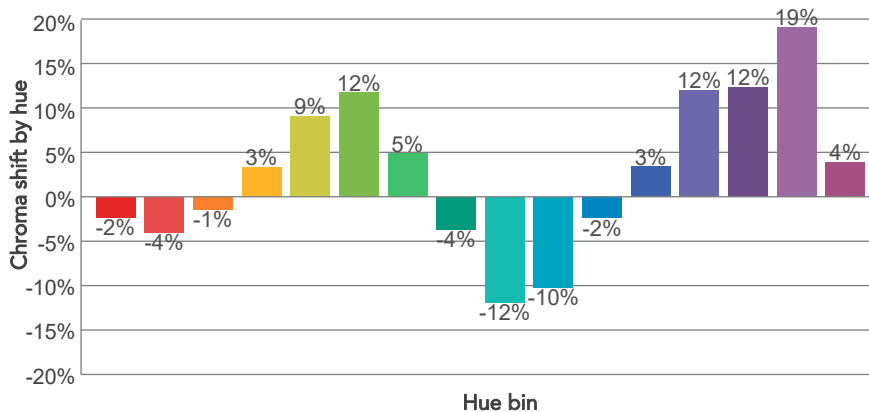
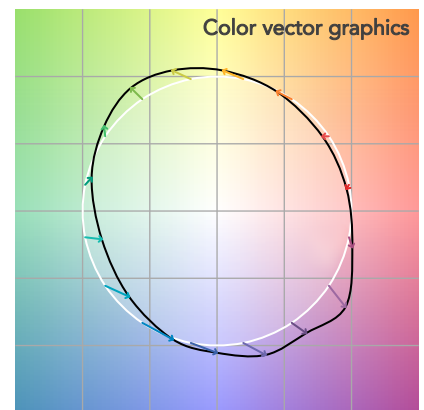
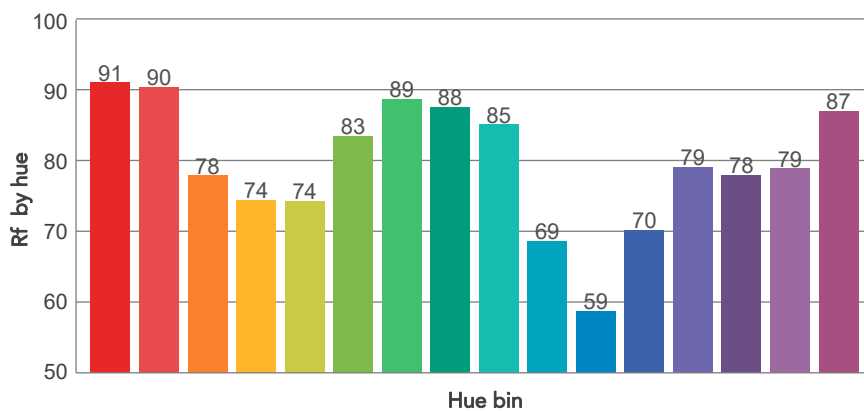
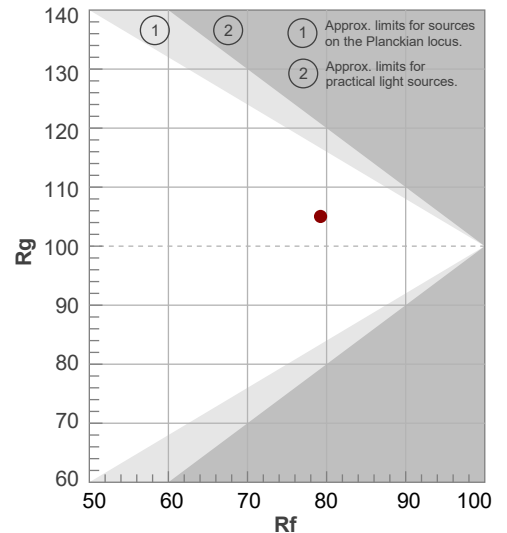
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5659 K	82,5	95,3	79,2	105,0	80,0	73	0,329	0,334	-0,0020

TM30 DETAILS

Rf 79,2
Fidelity index Rf

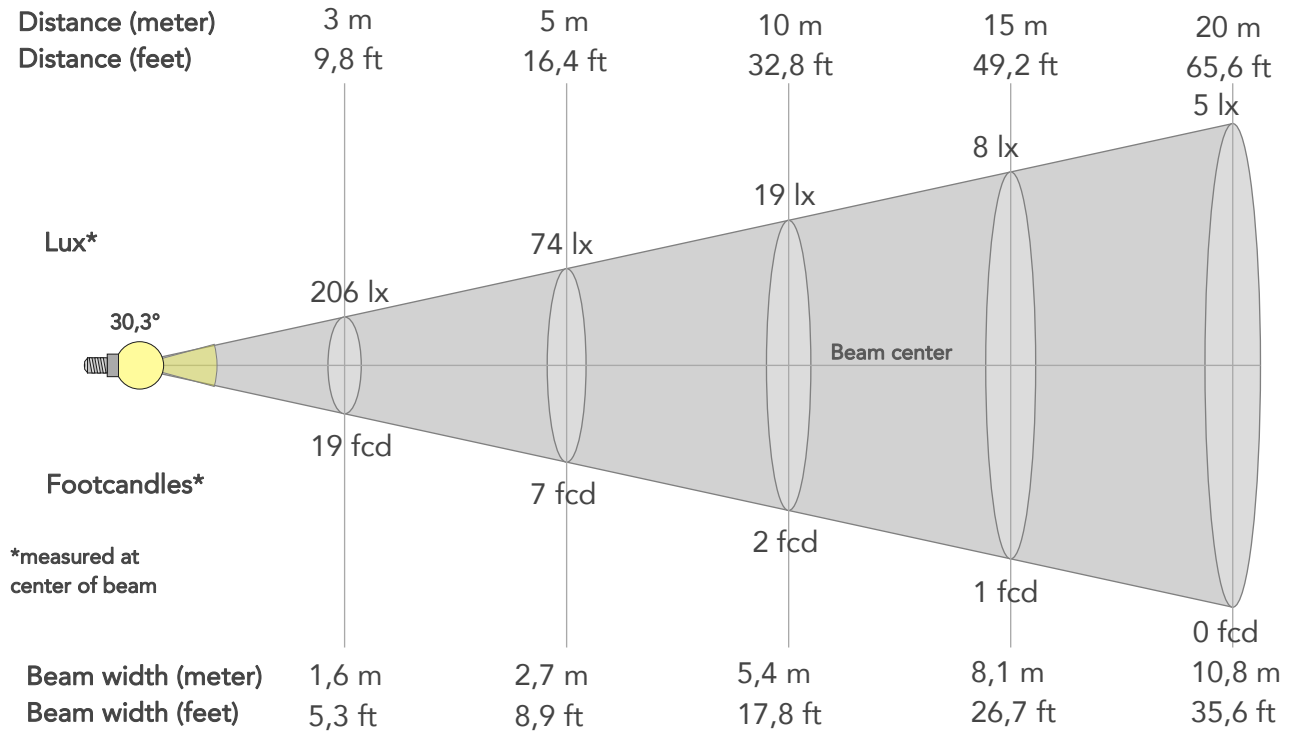
Rg 105,0
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-2%	-3%
2	90	-4%	3%
3	78	-1%	12%
4	74	3%	16%
5	74	9%	12%
6	83	12%	2%
7	89	5%	-6%
8	88	-4%	-6%
9	85	-12%	4%
10	69	-10%	17%
11	59	-2%	26%
12	70	3%	20%
13	79	12%	15%
14	78	12%	5%
15	79	19%	-6%
16	87	4%	-7%



BEAM DETAILS

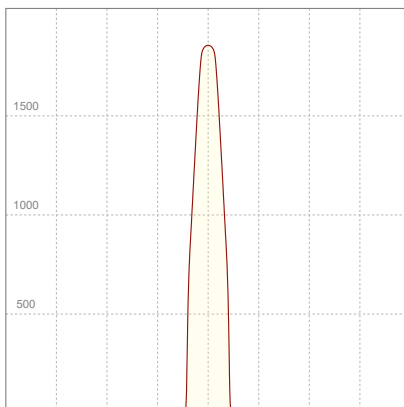
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
30,3°	38°	39,6°	99,5%	99,4%



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	1856lx	464lx	206lx	116lx	74lx	33lx	19lx	8lx	5lx	3lx	2lx	1lx	1lx
Footcand.	172fcd	43fcd	19fcd	11fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1,1m	1,6m	2,2m	2,7m	4,1m	5,4m	8,1m	10,8m	13,6m	16,3m	21,7m	27,1m
Beam wid.	1,8ft	3,6ft	5,3ft	7,1ft	8,9ft	13,3ft	17,8ft	26,7ft	35,6ft	44,4ft	53,3ft	71,1ft	88,9ft

LINEAR DISTRIBUTION DIAGRAM

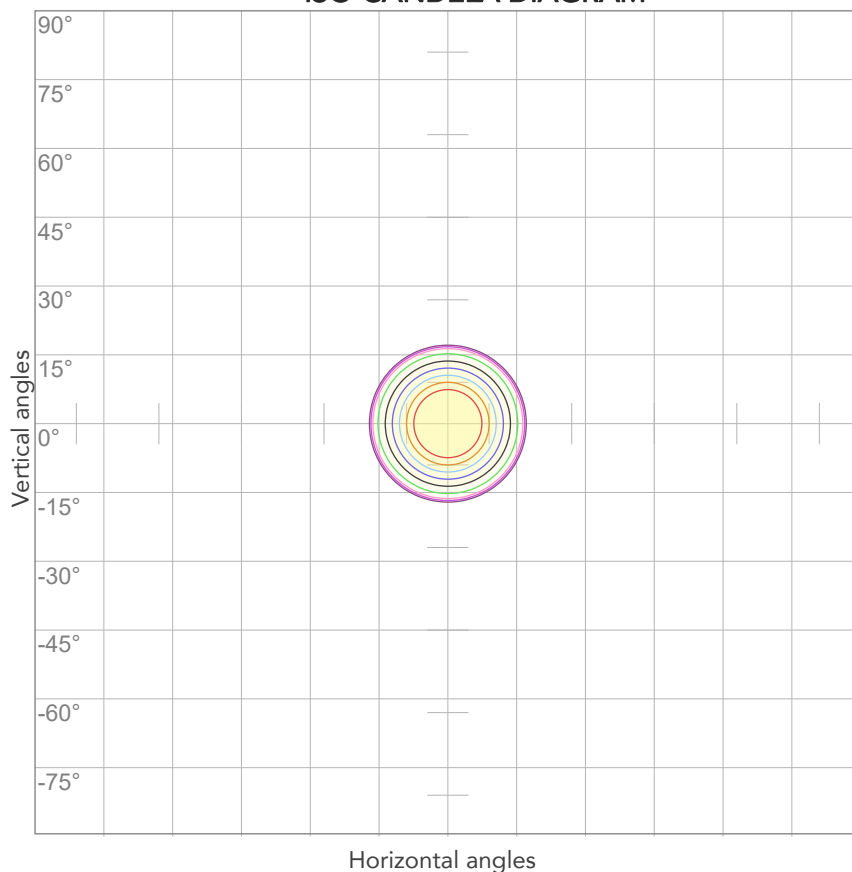


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,143A	28,4W	0,88	14lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



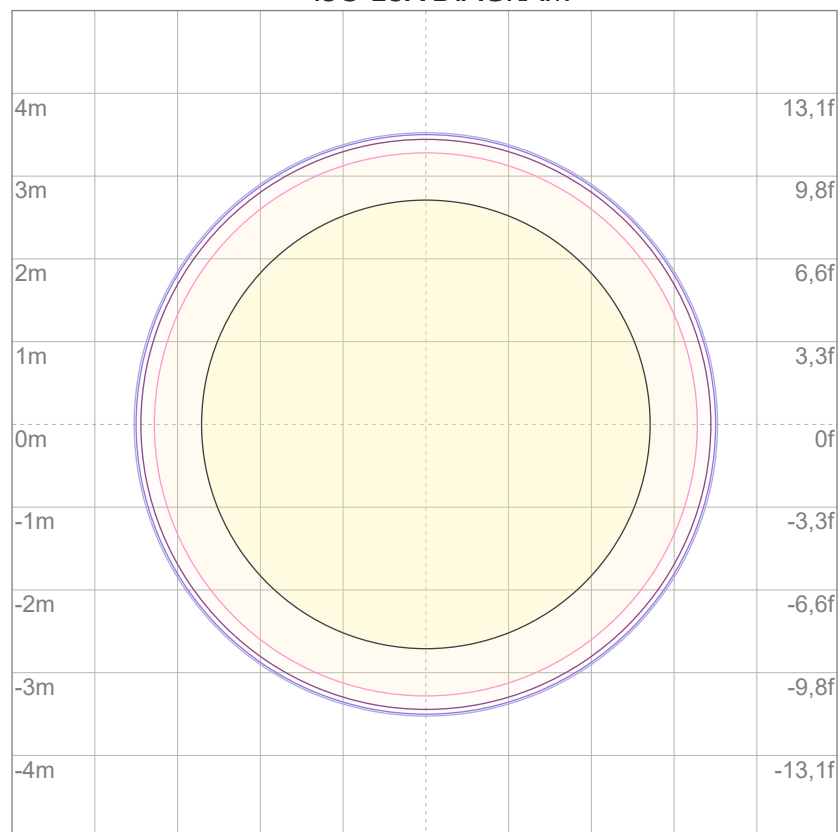
10%	186 cd
20%	371 cd
30%	557 cd
40%	742 cd
50%	928 cd
60%	1114 cd
70%	1299 cd
80%	1485 cd

Conditions:

Number of c-planes: 2

Candela at center: 1856 cd

ISO LUX DIAGRAM



3%	0,557 lx
5%	0,928 lx
10%	1,86 lx
30%	5,57 lx
50%	9,28 lx

Conditions:

Number of c-planes: 2

Lux at center: 18,6 lx

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



Total lumen output:

413 lm

Peak candela output:

6528 cd

Light quality:

CRI: 82,5

Color temperature:

5615 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 HD Lens - Min Zoom

Target:

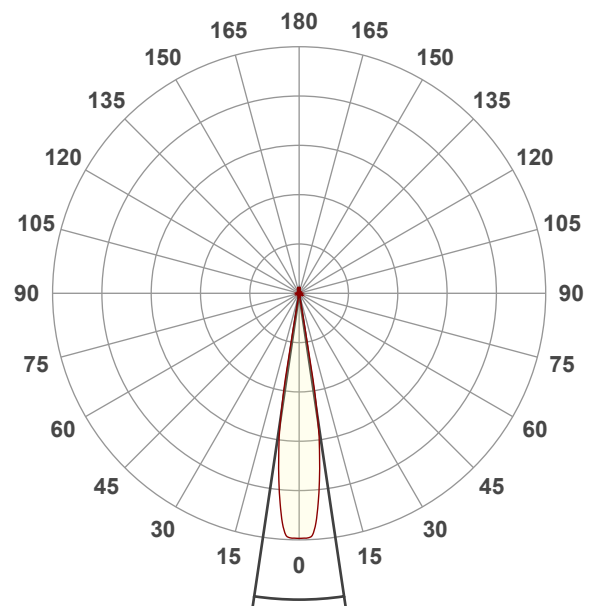
5600K

Operator:

Giuseppe della Peruta

Date and time:

30/07/2025 09:24:04

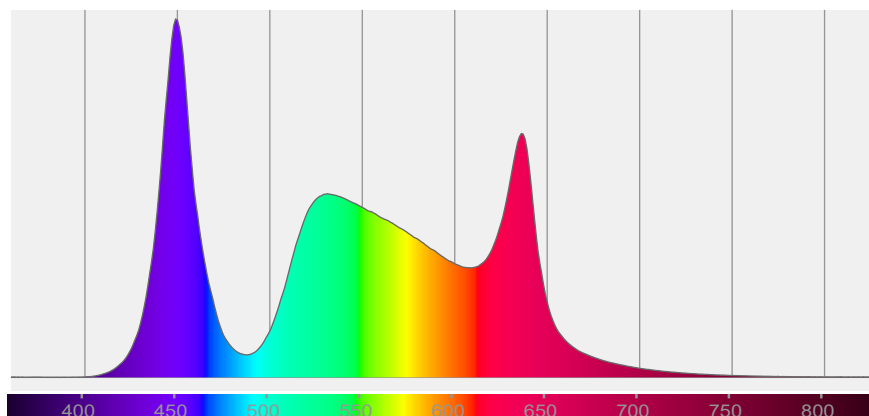


Beam angle 50%: 16,9°

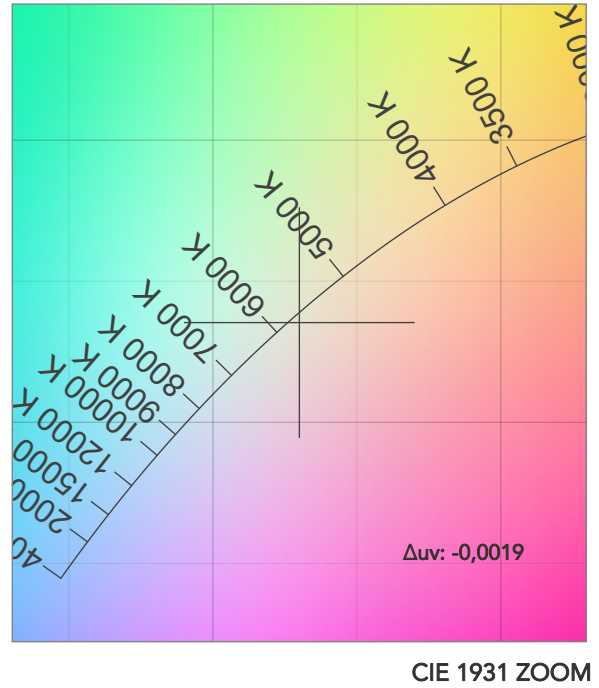
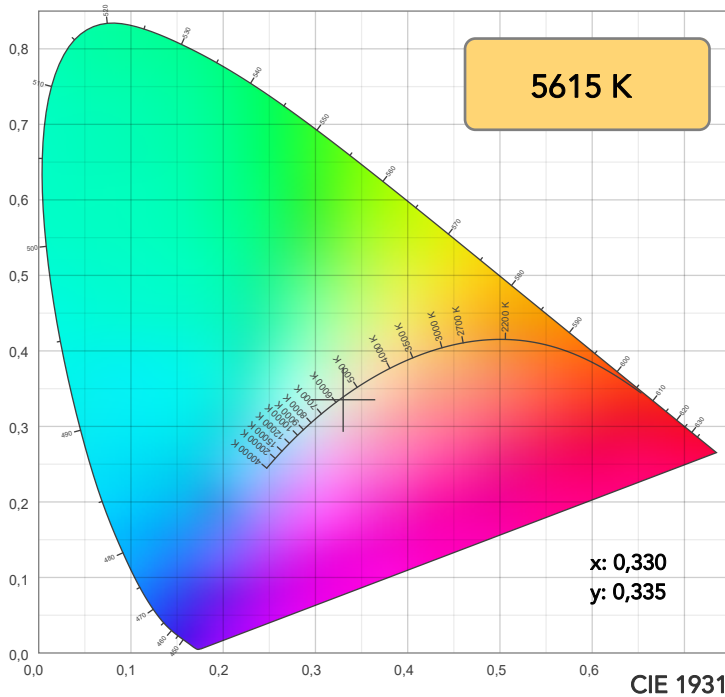
Field angle 10%: 19,8°

Cut off angle 2.5%: 20,2°

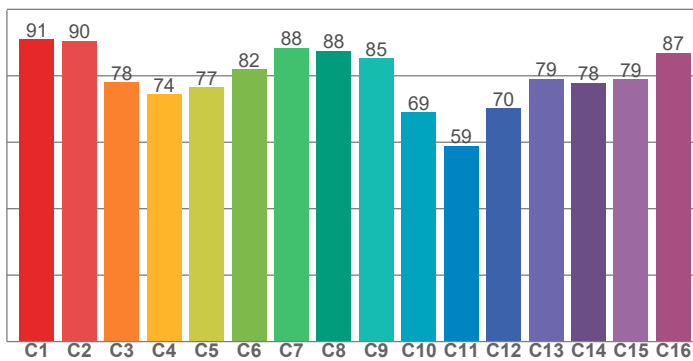
Spectra



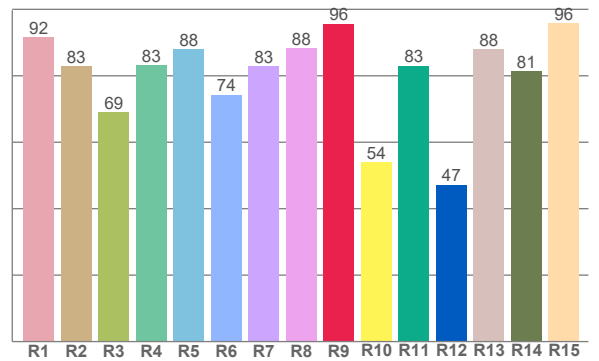
COLOR DETAILS



TM30: 79,3



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	69,0	83,3	88,0	74,3	83,0	88,2	95,7	54,0	83,0	47,2	88,1	81,3	95,8

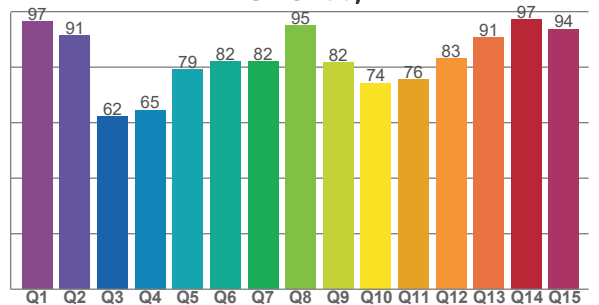
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91,0	90,5	78,0	74,4	76,5	81,9	88,5	87,5	85,2	68,9	59,0	70,3	79,1	77,9	78,9	86,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,5	91,5	62,2	64,5	79,2	82,0	82,0	95,0	81,6	74,2	75,6	83,2	90,6	97,1	93,7

CQS: 80,2



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5615 K	82,5	95,7	79,3	105,1	80,2	73	0,330	0,335	-0,0019

TM30 DETAILS

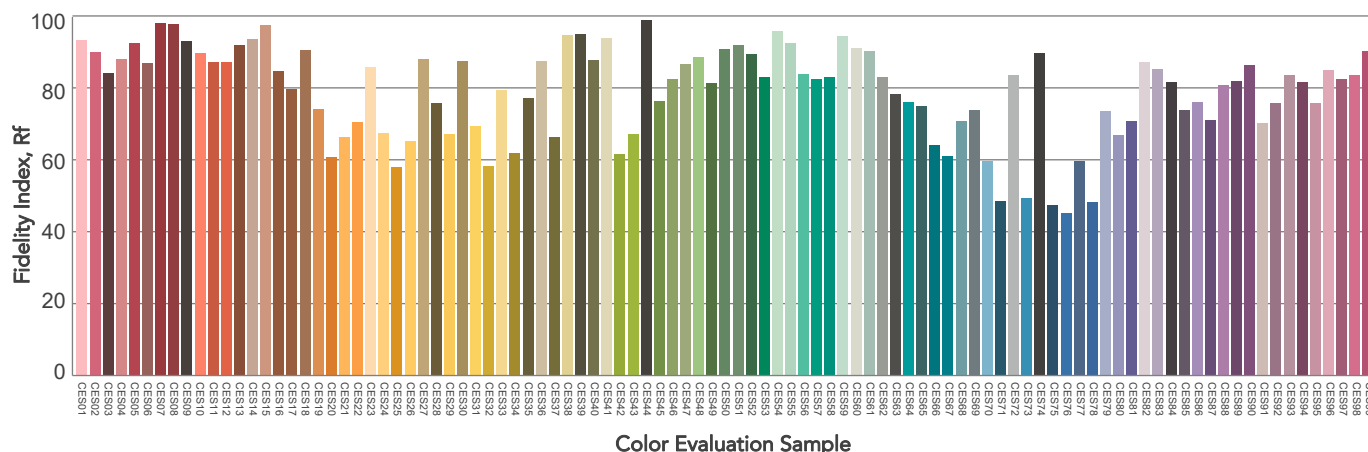
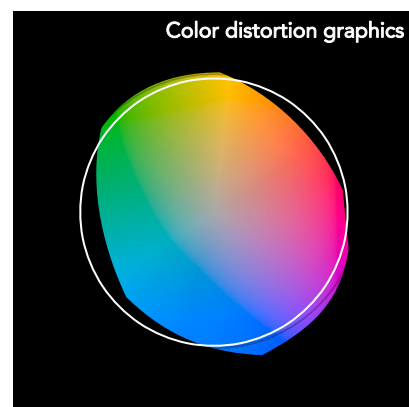
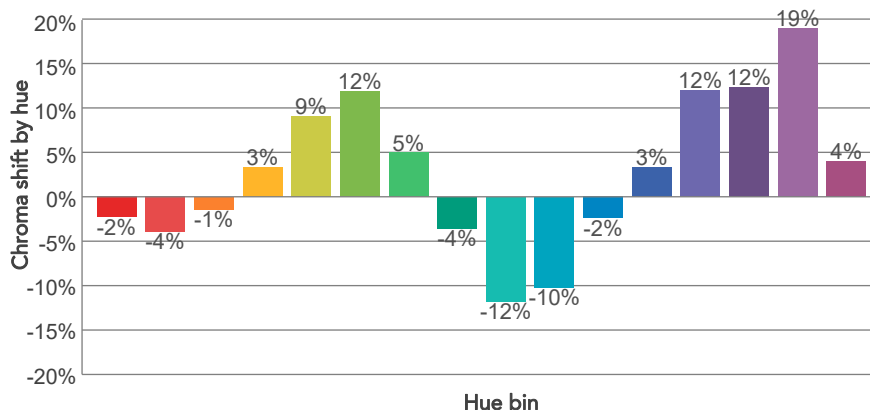
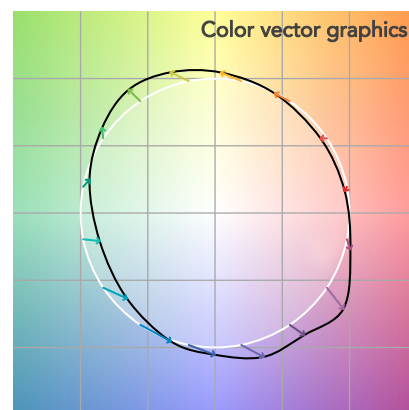
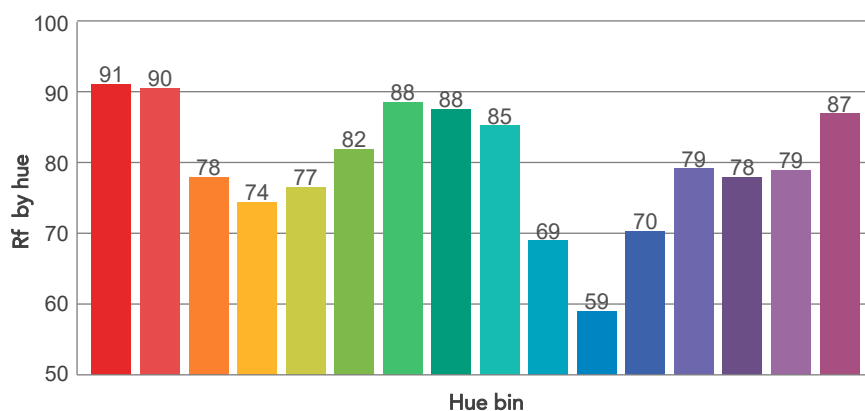
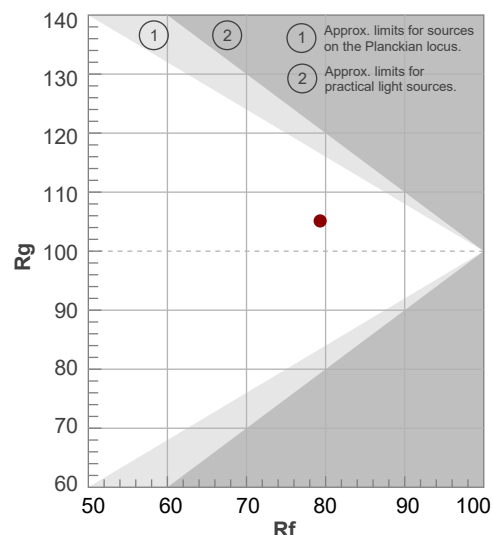
Rf 79,3

Fidelity index Rf

Rg 105,1

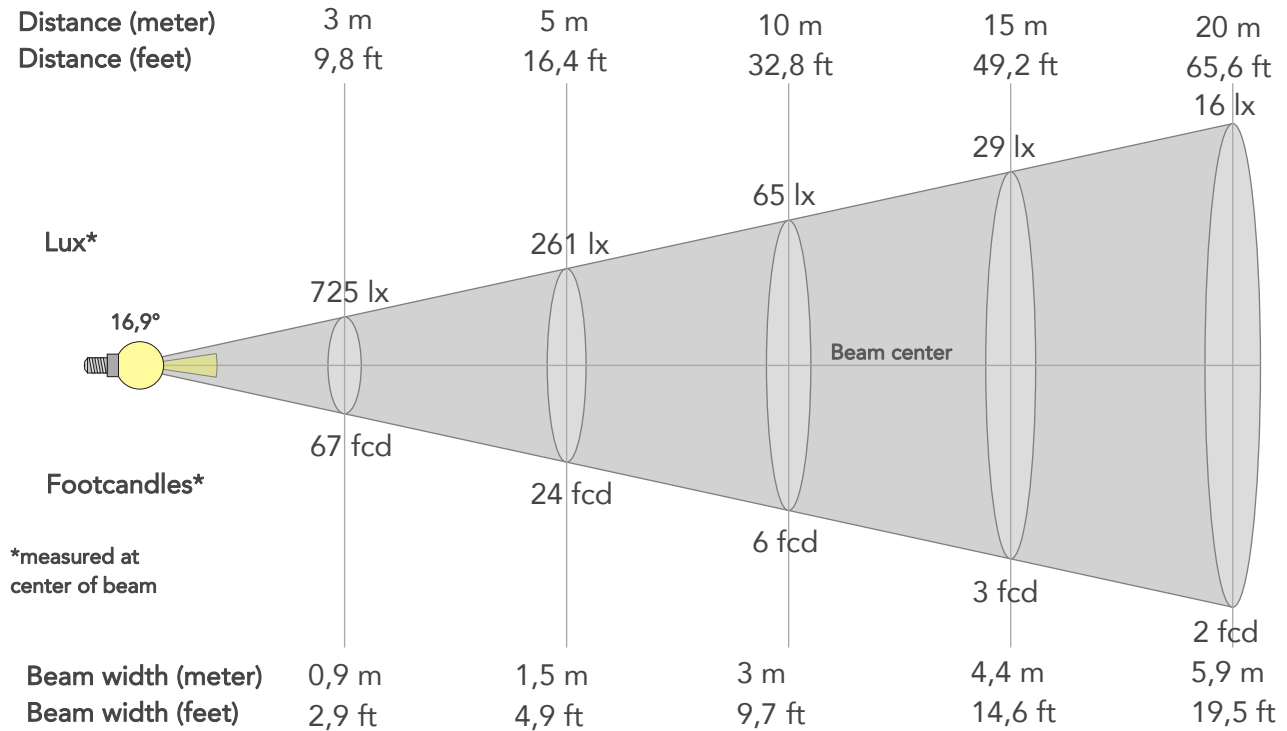
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-2%	-3%
2	90	-4%	3%
3	78	-1%	12%
4	74	3%	16%
5	77	9%	12%
6	82	12%	3%
7	88	5%	-6%
8	88	-4%	-6%
9	85	-12%	4%
10	69	-10%	16%
11	59	-2%	26%
12	70	3%	20%
13	79	12%	14%
14	78	12%	5%
15	79	19%	-6%
16	87	4%	-7%



BEAM DETAILS

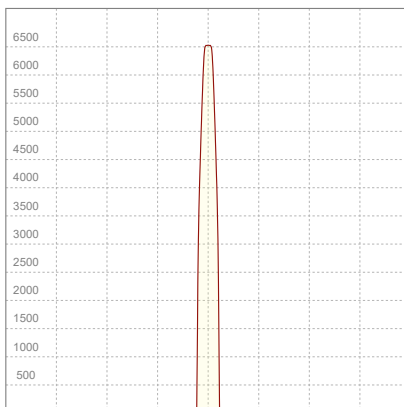
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16,9°	19,8°	20,2°	98,8%	98,4%



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	6528lx	1632lx	725lx	408lx	261lx	116lx	65lx	29lx	16lx	10lx	7lx	4lx	3lx
Footcand.	606fcd	152fcd	67fcd	38fcd	24fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,5m	2,2m	3m	4,4m	5,9m	7,4m	8,9m	11,9m	14,8m
Beam wid.	1ft	2ft	2,9ft	3,9ft	4,9ft	7,3ft	9,7ft	14,6ft	19,5ft	24,3ft	29,2ft	38,9ft	48,6ft

LINEAR DISTRIBUTION DIAGRAM

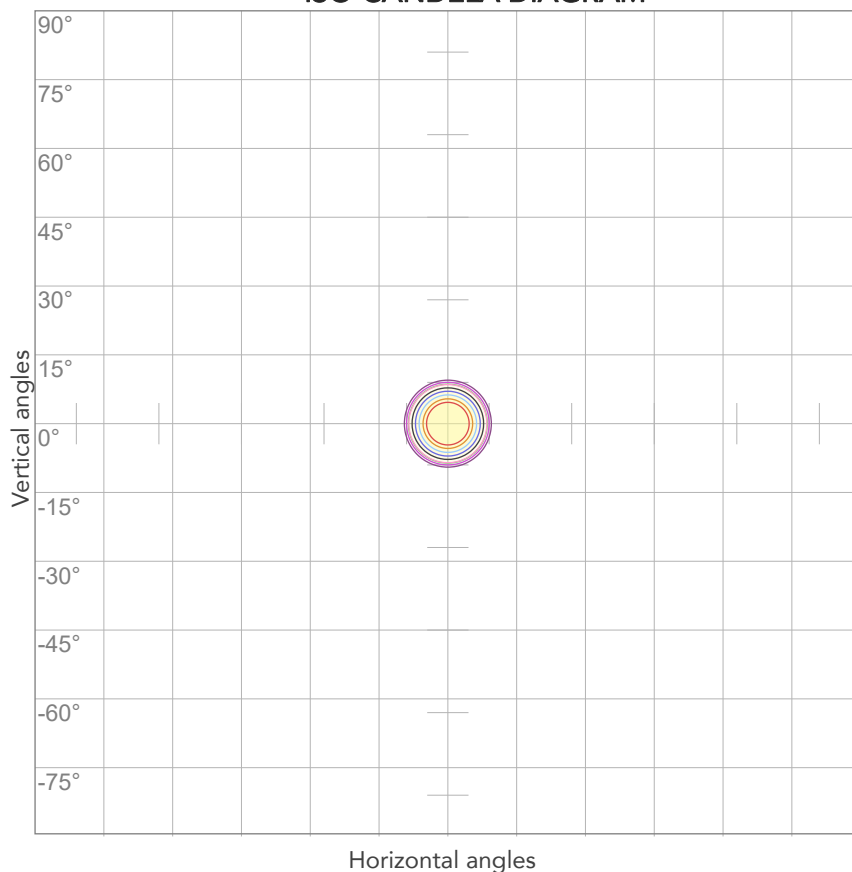


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,143A	28,5W	0,87	14lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



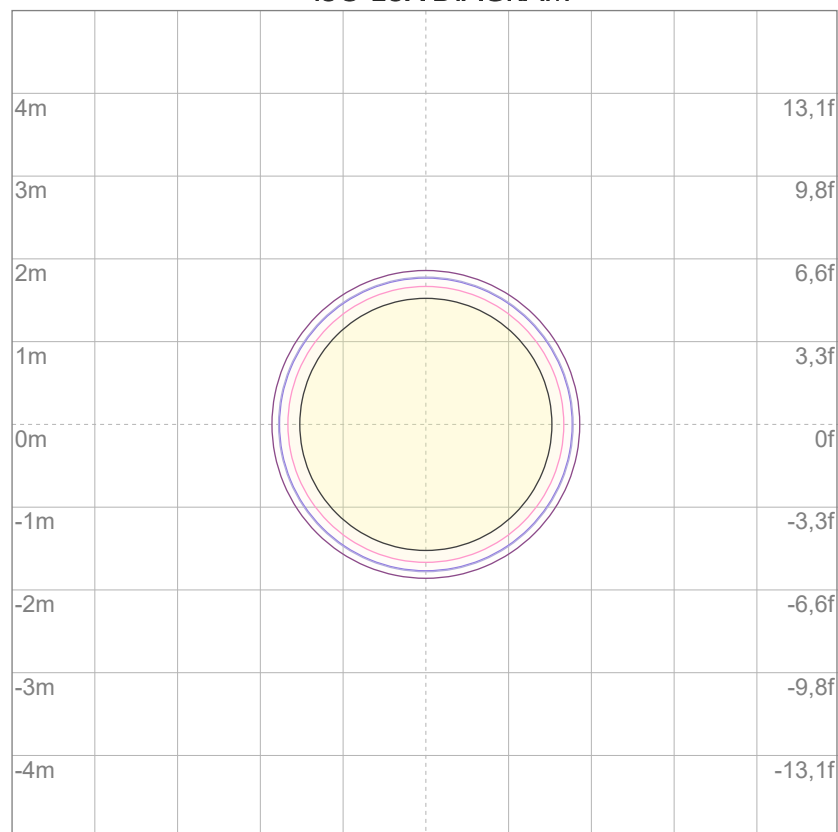
10%	653 cd
20%	1306 cd
30%	1958 cd
40%	2611 cd
50%	3264 cd
60%	3917 cd
70%	4570 cd
80%	5222 cd

Conditions:

Number of c-planes: 2

Candela at center: 6528 cd

ISO LUX DIAGRAM



3%	1,96 lx
5%	3,26 lx
10%	6,53 lx
30%	19,6 lx
50%	32,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 65,3 lx

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



Total lumen output:

409 lm

Peak candela output:

1857 cd

Light quality:

CRI: 82,5

Color temperature:

6000 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 HD Lens - Max Zoom

Target:

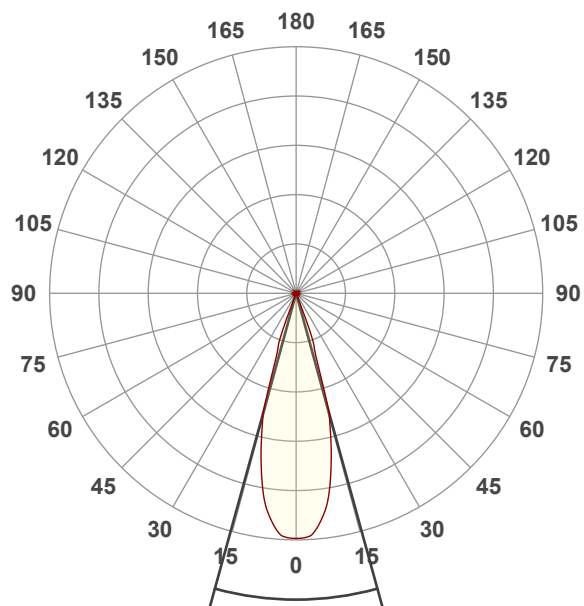
6000K

Operator:

Giuseppe della Peruta

Date and time:

29/07/2025 15:17:59

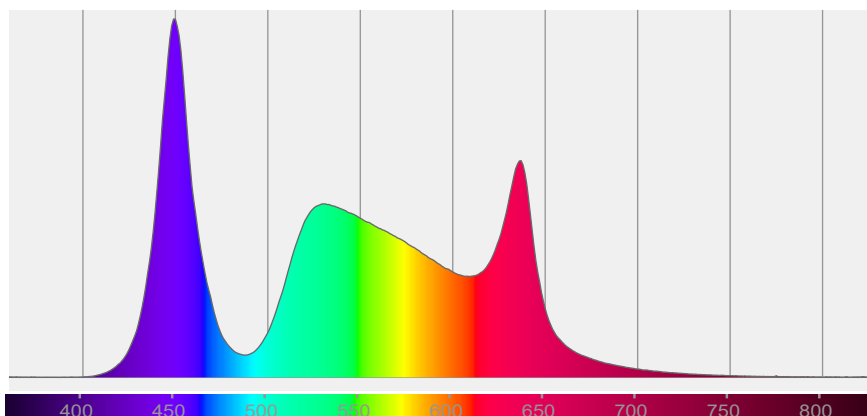


Beam angle 50%: 30,8°

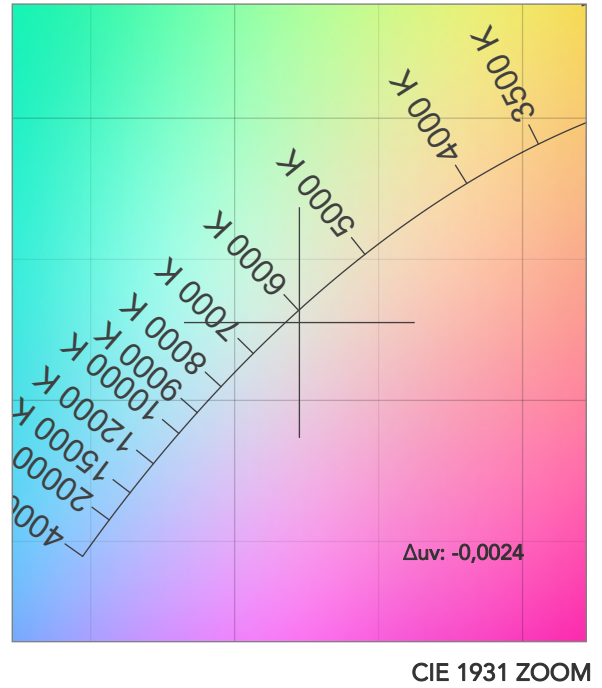
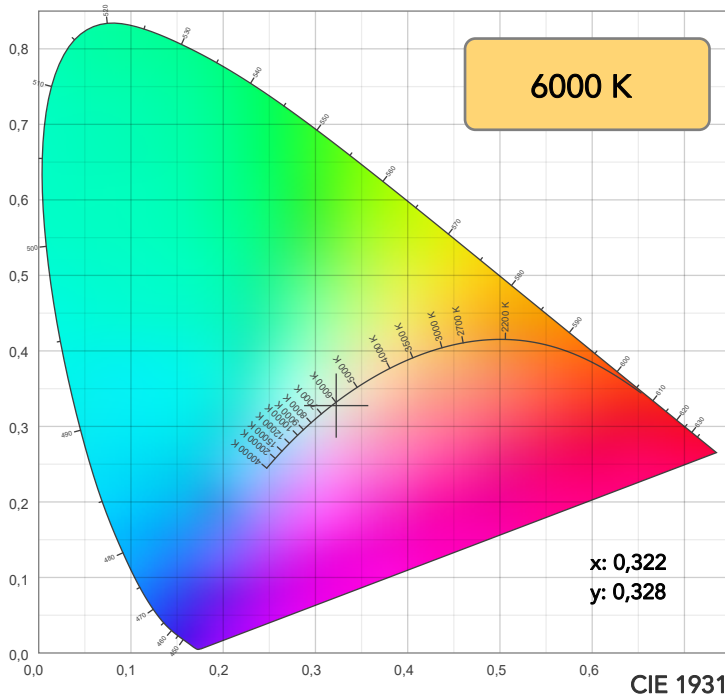
Field angle 10%: 41,3°

Cut off angle 2.5%: 42,7°

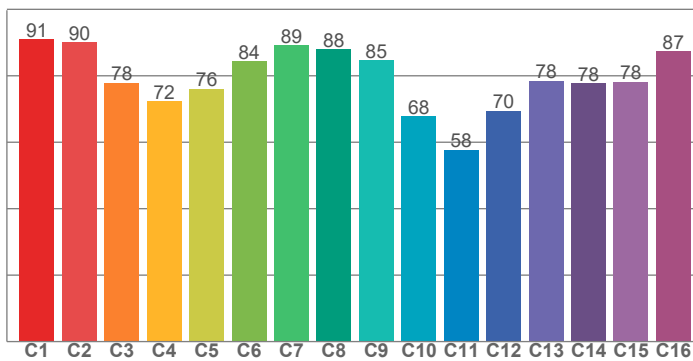
Spectra



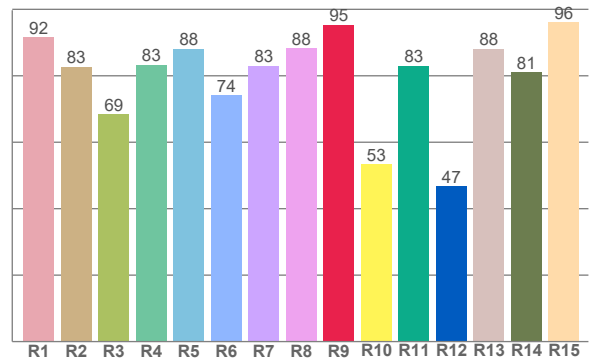
COLOR DETAILS



TM30: 79,1



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	82,7	68,5	83,3	88,2	74,1	83,1	88,3	95,4	53,4	83,0	46,7	88,1	81,1	96,1

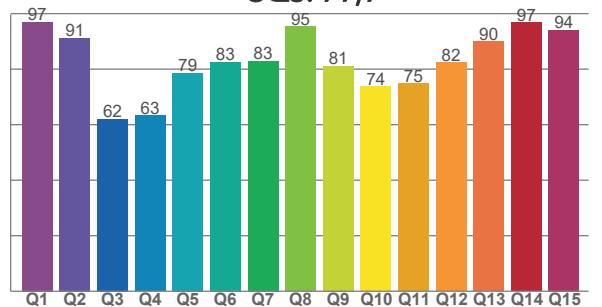
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,9	90,1	77,9	72,4	76,0	84,3	89,2	88,0	84,7	67,9	57,7	69,5	78,5	77,7	78,2	87,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,9	91,3	62,0	63,3	78,6	82,6	82,9	95,4	81,1	73,7	74,8	82,3	90,0	96,9	94,1

CQS: 79,9



COLOR PARAMETERS

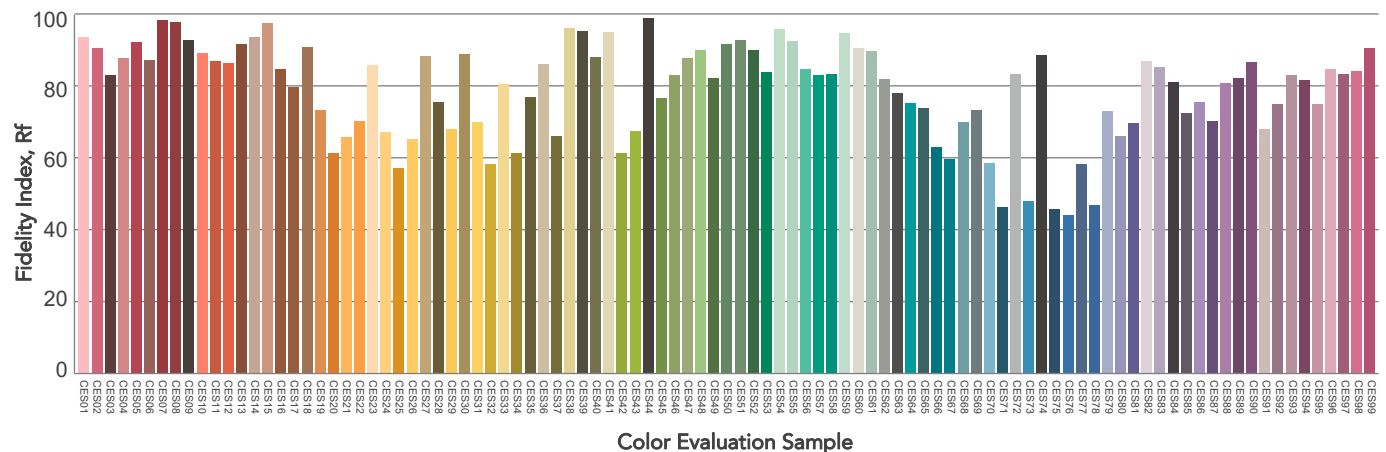
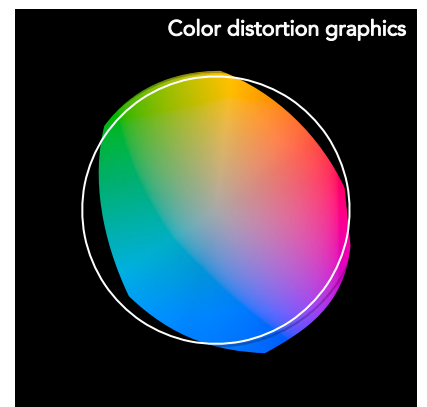
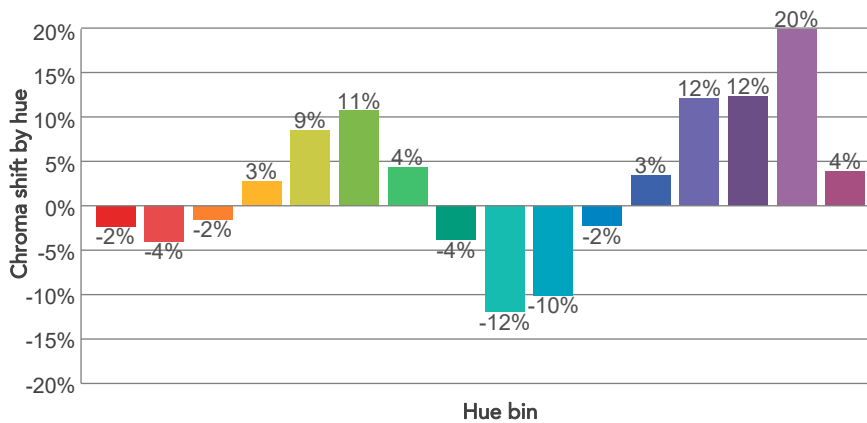
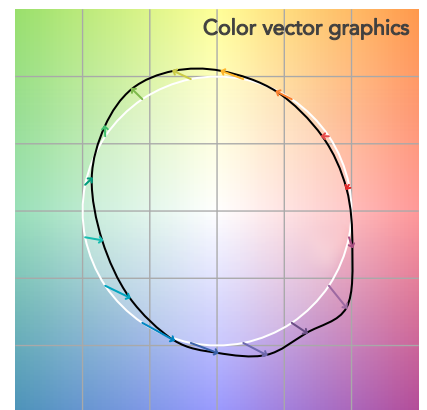
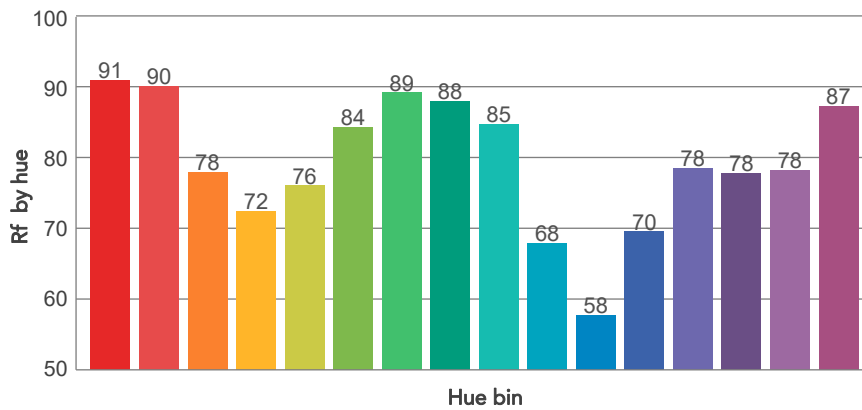
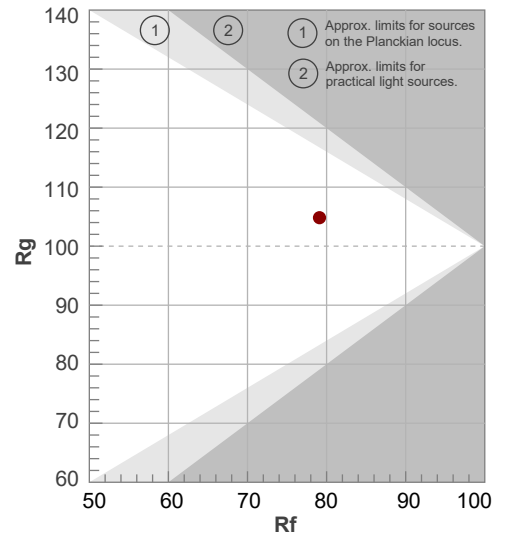
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6000 K	82,5	95,4	79,1	104,8	79,9	73	0,322	0,328	-0,0024

TM30 DETAILS

Rf 79,1
Fidelity index Rf

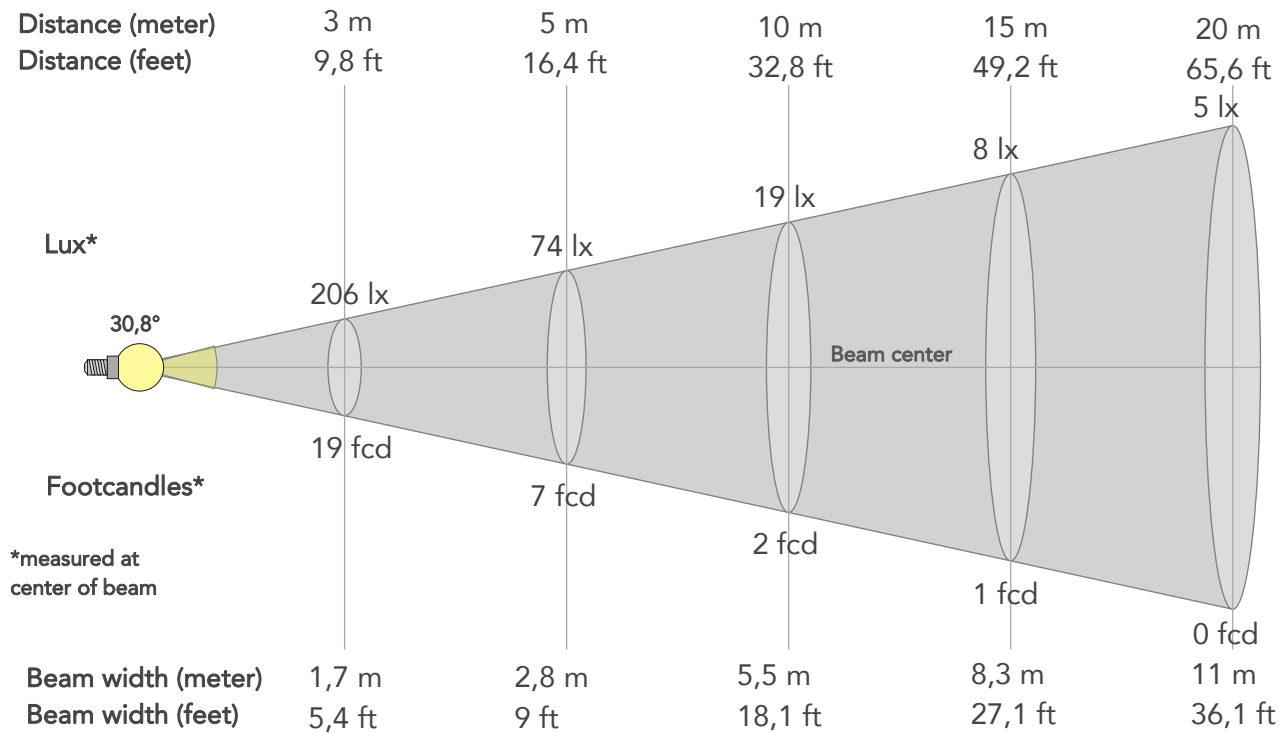
Rg 104,8
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-2%	-3%
2	90	-4%	3%
3	78	-2%	12%
4	72	3%	17%
5	76	9%	11%
6	84	11%	2%
7	89	4%	-6%
8	88	-4%	-6%
9	85	-12%	5%
10	68	-10%	17%
11	58	-2%	27%
12	70	3%	21%
13	78	12%	15%
14	78	12%	5%
15	78	20%	-6%
16	87	4%	-7%



BEAM DETAILS

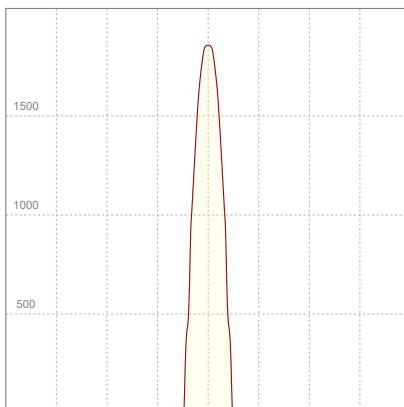
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
30,8°	41,3°	42,7°	99,6%	99,5%



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	1857lx	464lx	206lx	116lx	74lx	33lx	19lx	8lx	5lx	3lx	2lx	1lx	1lx
Footcand.	172fcd	43fcd	19fcd	11fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,1m	1,7m	2,2m	2,8m	4,1m	5,5m	8,3m	11m	13,8m	16,5m	22m	27,5m
Beam wid.	1,8ft	3,6ft	5,4ft	7,2ft	9ft	13,5ft	18,1ft	27,1ft	36,1ft	45,1ft	54,2ft	72,2ft	90,3ft

LINEAR DISTRIBUTION DIAGRAM

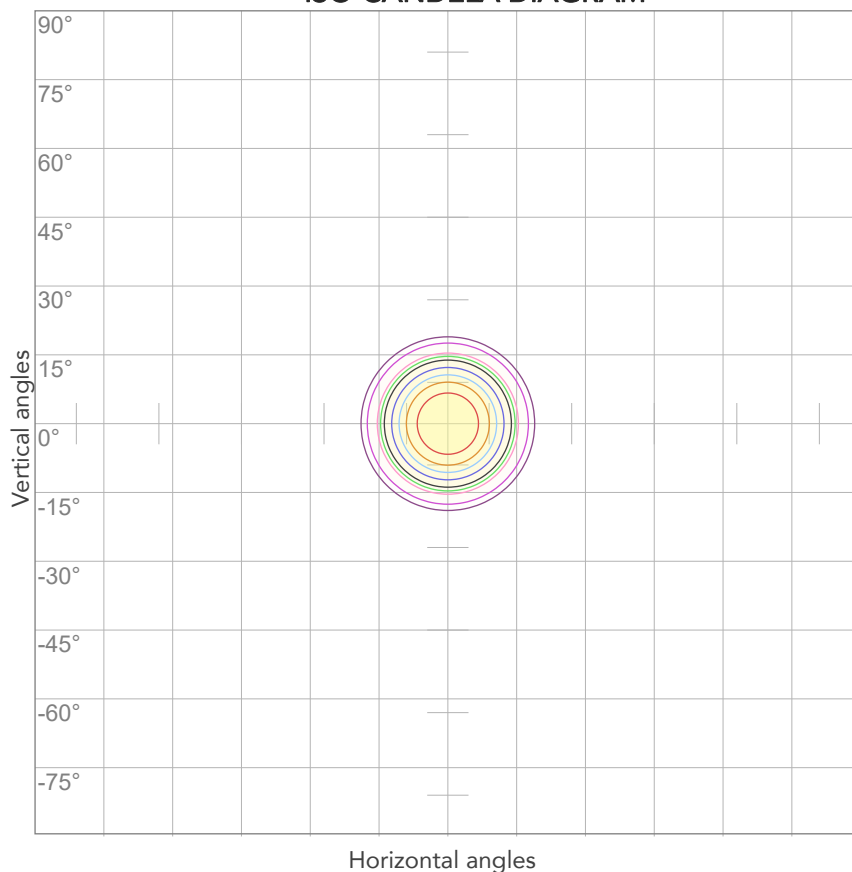


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,145A	28,8W	0,88	14lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



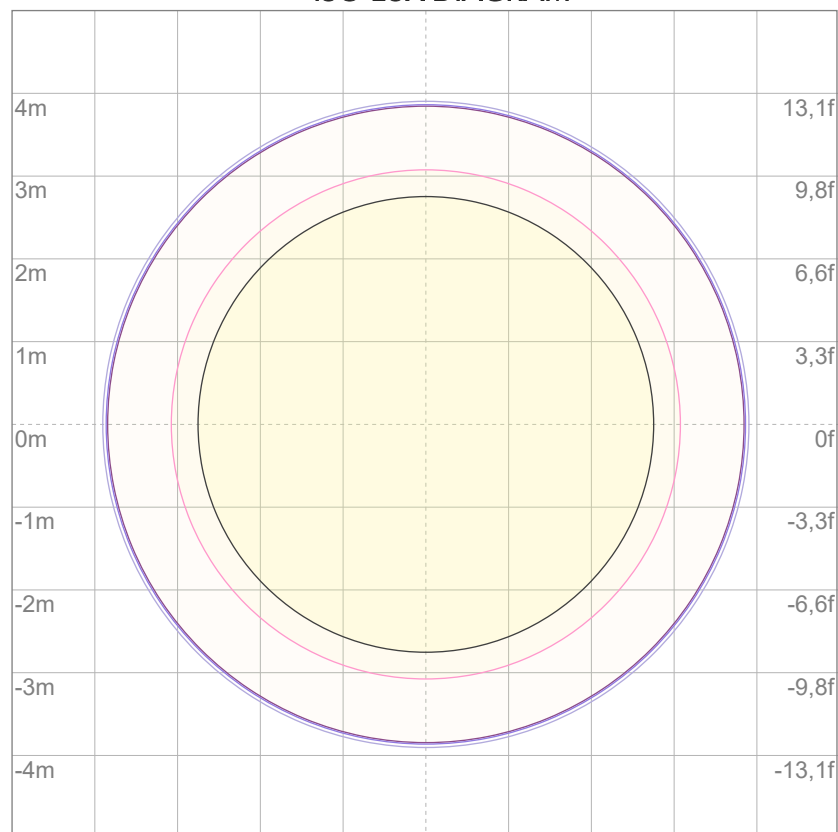
10%	186 cd
20%	371 cd
30%	557 cd
40%	743 cd
50%	928 cd
60%	1114 cd
70%	1300 cd
80%	1485 cd

Conditions:

Number of c-planes: 2

Candela at center: 1857 cd

ISO LUX DIAGRAM



3%	0,557 lx
5%	0,928 lx
10%	1,86 lx
30%	5,57 lx
50%	9,28 lx

Conditions:

Number of c-planes: 2

Lux at center: 18,6 lx

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



Total lumen output:

419 lm

Peak candela output:

6639 cd

Light quality:

CRI: 82,4

Color temperature:

6034 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 HD Lens - Min Zoom

Target:

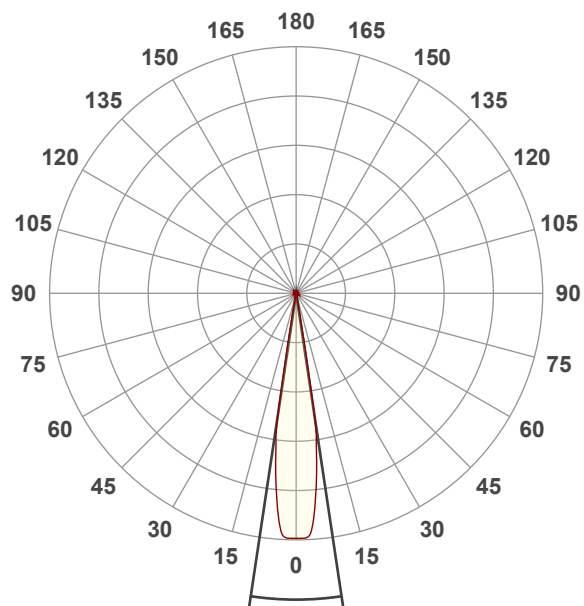
6000K

Operator:

Giuseppe della Peruta

Date and time:

30/07/2025 09:20:55

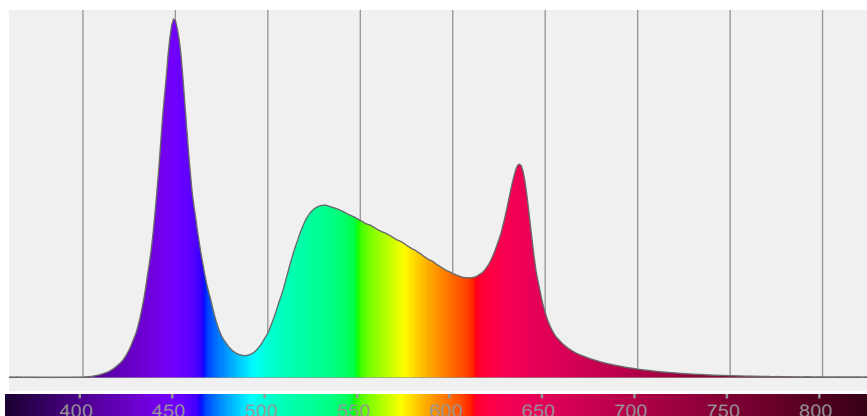


Beam angle 50%: 17°

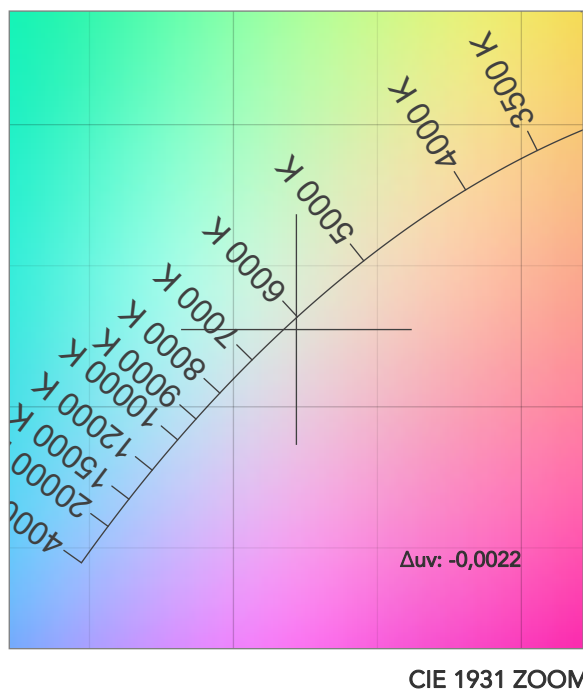
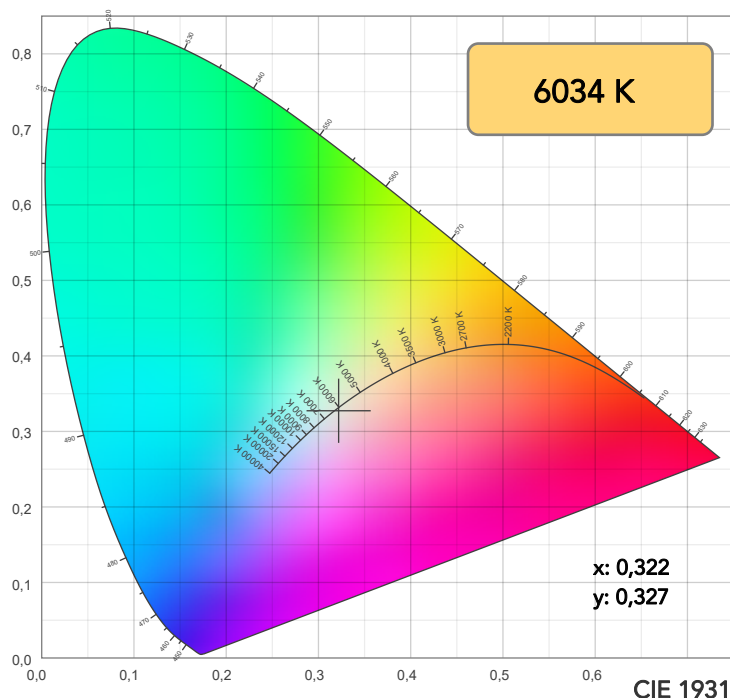
Field angle 10%: 20°

Cut off angle 2.5%: 20,7°

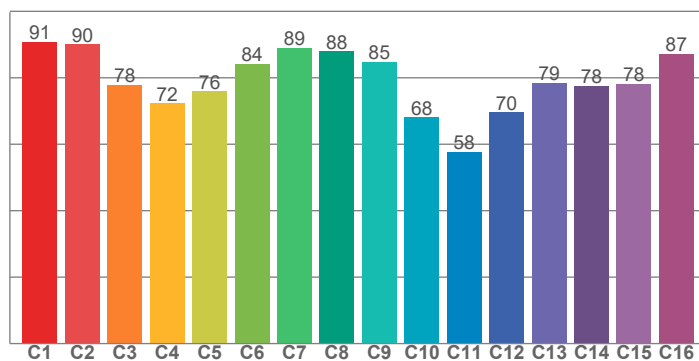
Spectra



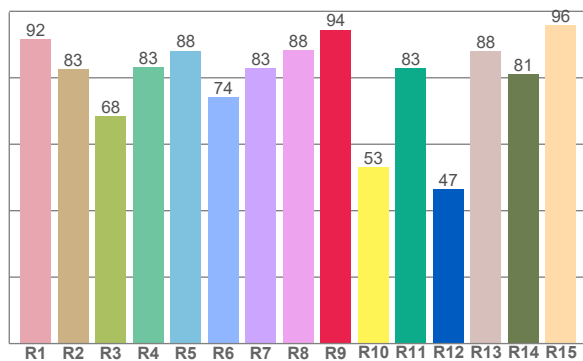
COLOR DETAILS



TM30: 79,1



CRI: 82,4 (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
91,6	82,6	68,4	83,1	88,1	74,1	82,9	88,3	94,5	53,2	82,8	46,6	88,1	81,1	95,8

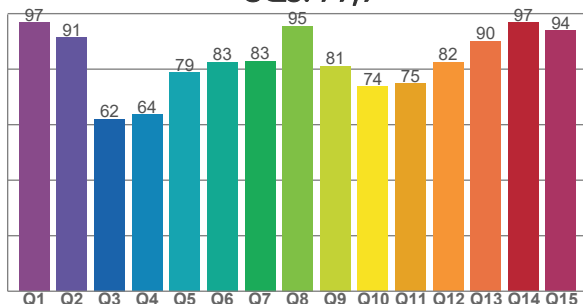
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,8	90,1	77,9	72,4	75,9	84,2	89,0	87,9	84,8	68,1	57,7	69,6	78,6	77,6	78,2	87,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,8	91,3	62,1	63,6	78,8	82,6	82,9	95,5	81,2	73,7	74,9	82,5	90,1	96,7	93,9

CQS: 79,9



COLOR PARAMETERS

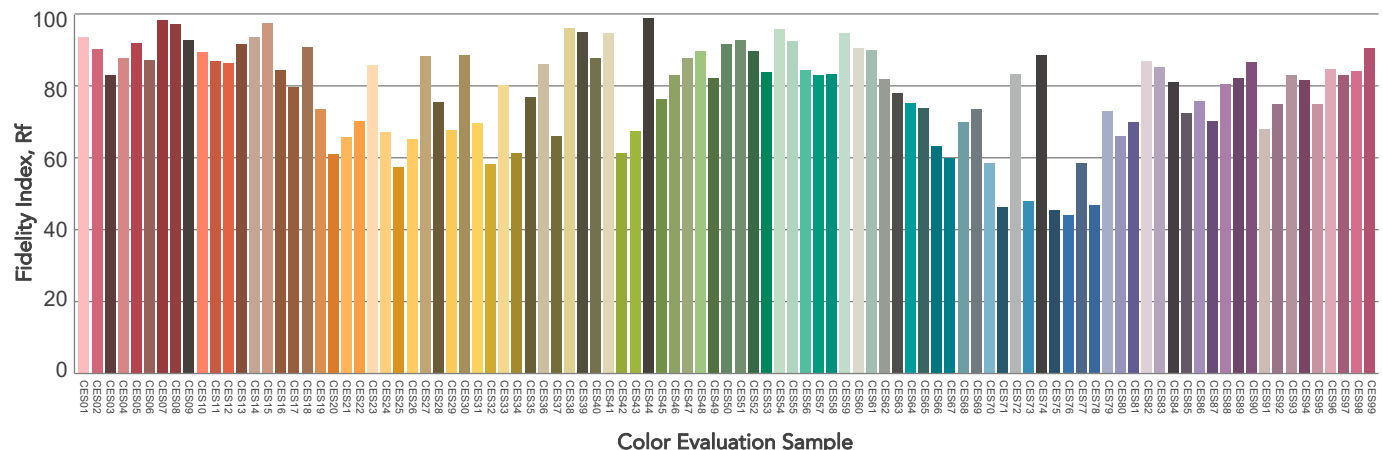
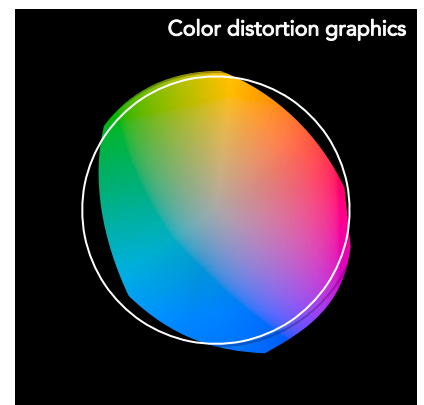
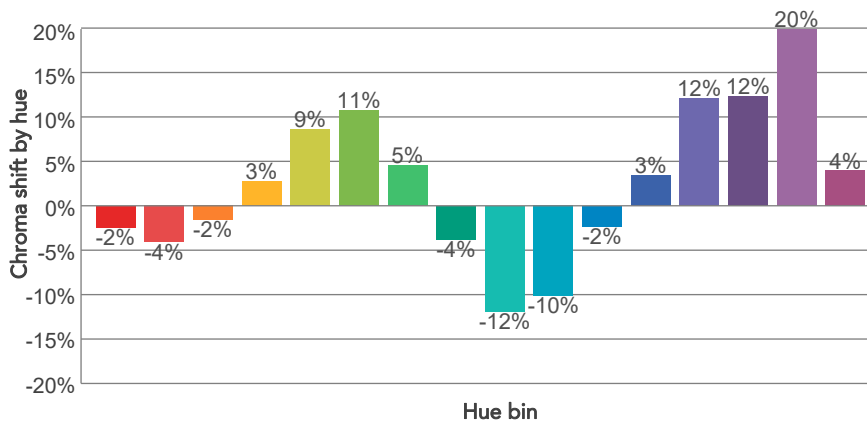
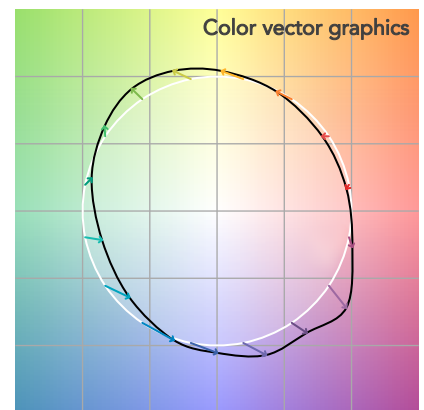
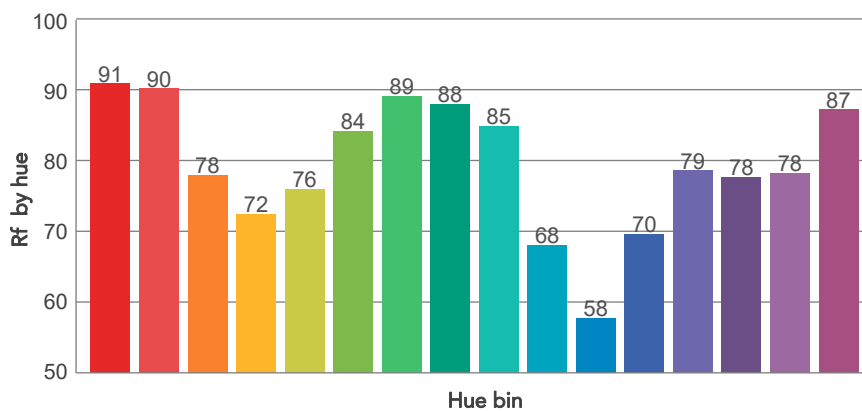
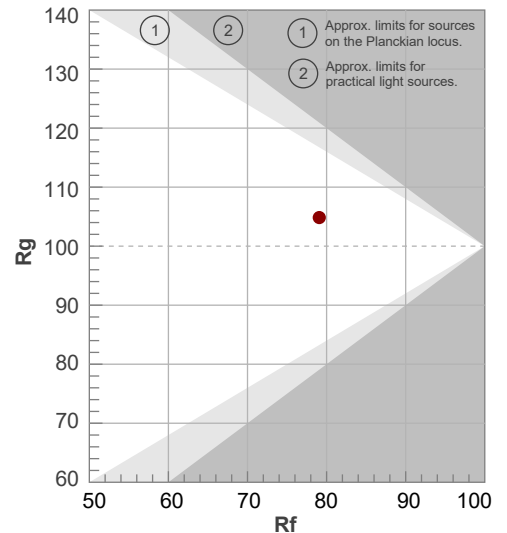
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6034 K	82,4	94,5	79,1	104,8	79,9	73	0,322	0,327	-0,0022

TM30 DETAILS

Rf 79,1
Fidelity index Rf

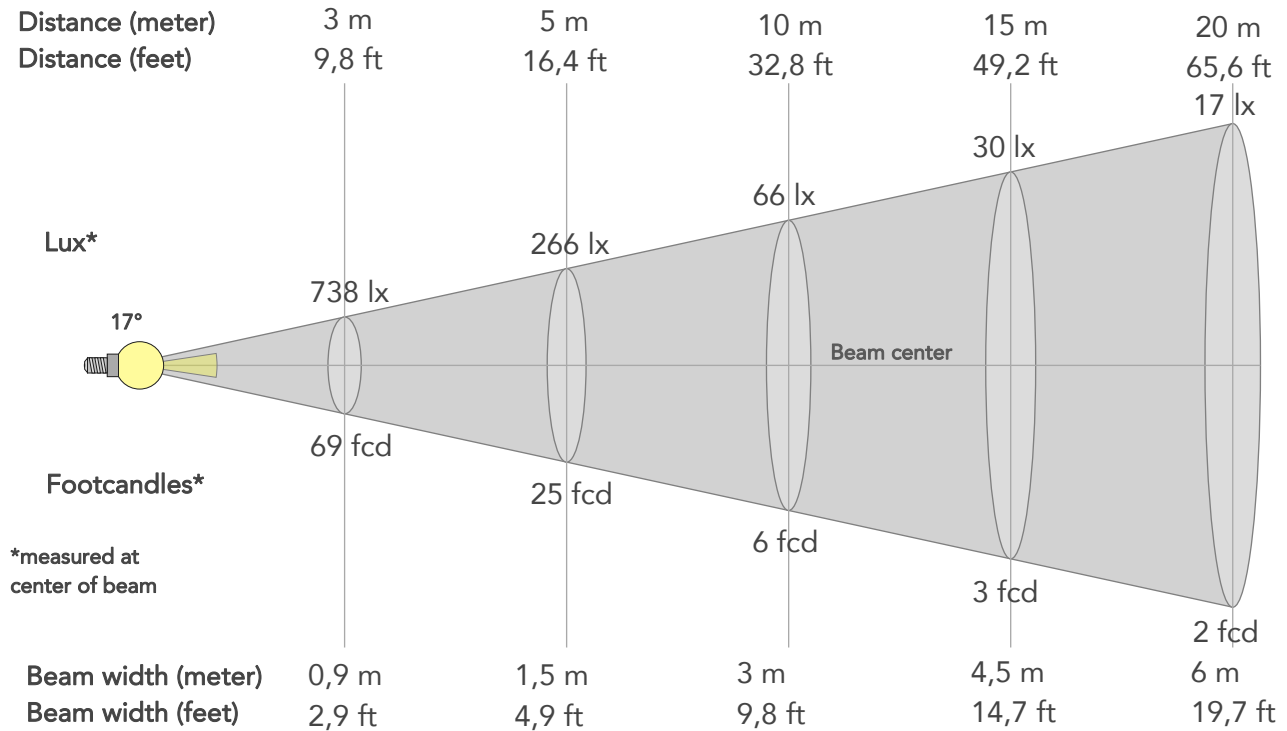
Rg 104,8
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-2%	-3%
2	90	-4%	3%
3	78	-2%	12%
4	72	3%	17%
5	76	9%	11%
6	84	11%	2%
7	89	5%	-6%
8	88	-4%	-6%
9	85	-12%	4%
10	68	-10%	17%
11	58	-2%	27%
12	70	3%	21%
13	79	12%	15%
14	78	12%	5%
15	78	20%	-6%
16	87	4%	-7%



BEAM DETAILS

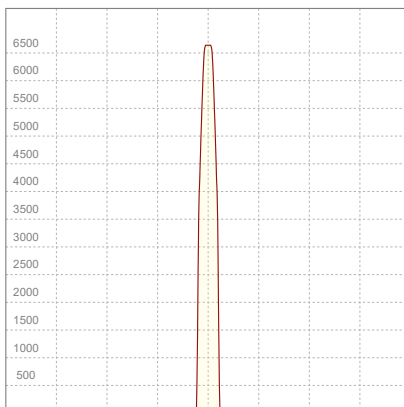
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17°	20°	20,7°	98,9%	98,5%



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	6639lx	1660lx	738lx	415lx	266lx	118lx	66lx	30lx	17lx	11lx	7lx	4lx	3lx
Footcand.	617fcd	154fcd	69fcd	39fcd	25fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,5m	2,2m	3m	4,5m	6m	7,5m	9m	12m	15m
Beam wid.	1ft	2ft	2,9ft	3,9ft	4,9ft	7,4ft	9,8ft	14,7ft	19,7ft	24,6ft	29,5ft	39,3ft	49,2ft

LINEAR DISTRIBUTION DIAGRAM

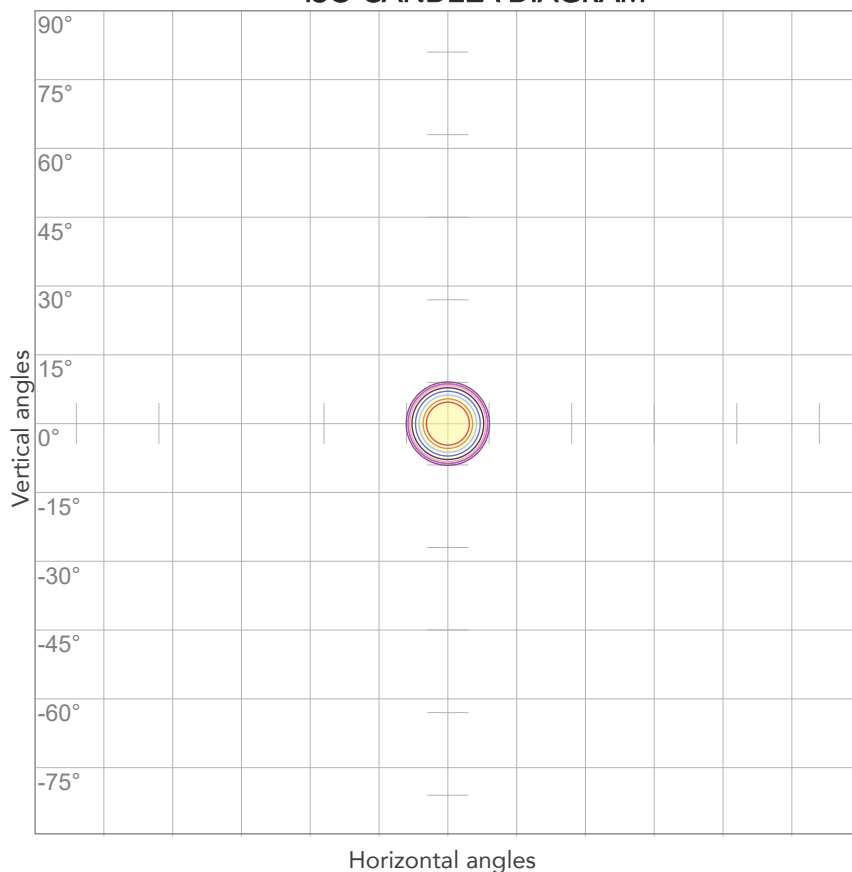


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,144A	28,8W	0,88	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



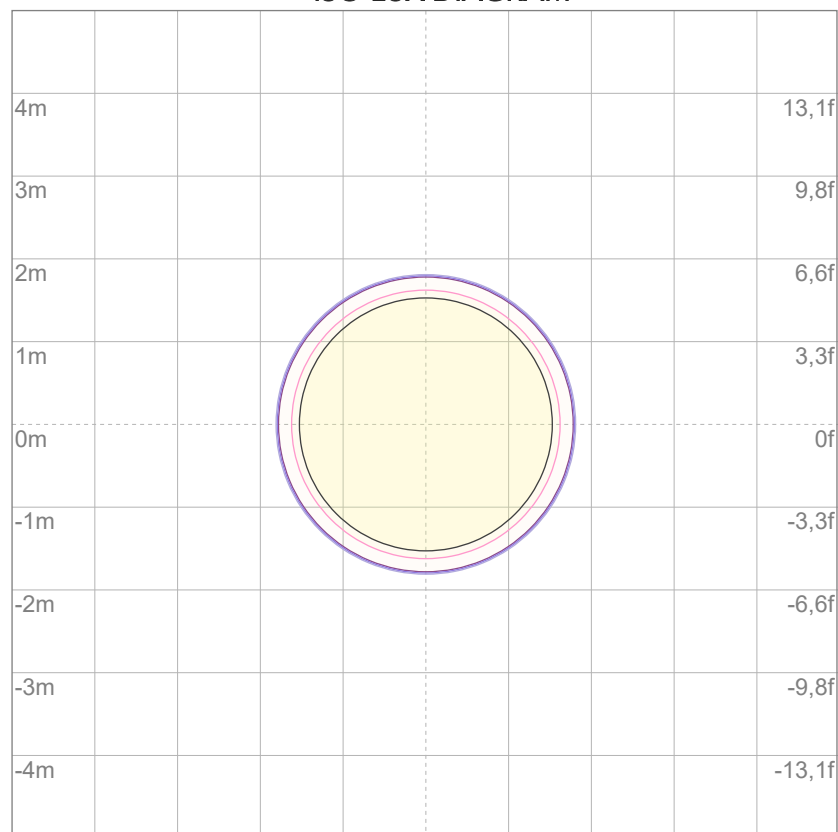
10%	664 cd
20%	1328 cd
30%	1992 cd
40%	2656 cd
50%	3320 cd
60%	3984 cd
70%	4647 cd
80%	5311 cd

Conditions:

Number of c-planes: 2

Candela at center: 6639 cd

ISO LUX DIAGRAM



3%	1,99 lx
5%	3,32 lx
10%	6,64 lx
30%	19,9 lx
50%	33,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 66,4 lx

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