

Photometric Test Report



EclDisplay XBFC

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

WASH LENS 25-50°

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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:

977 lm

Peak candela output:

1160 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 25-50 Lens - Max Zoom

Target:

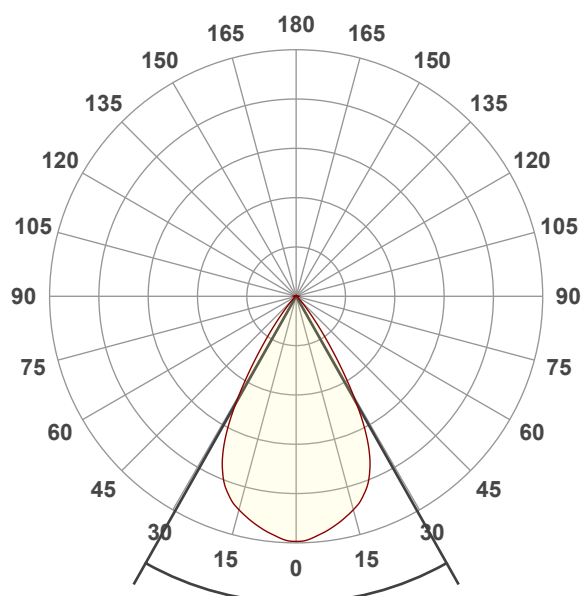
Full

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 16:56:59

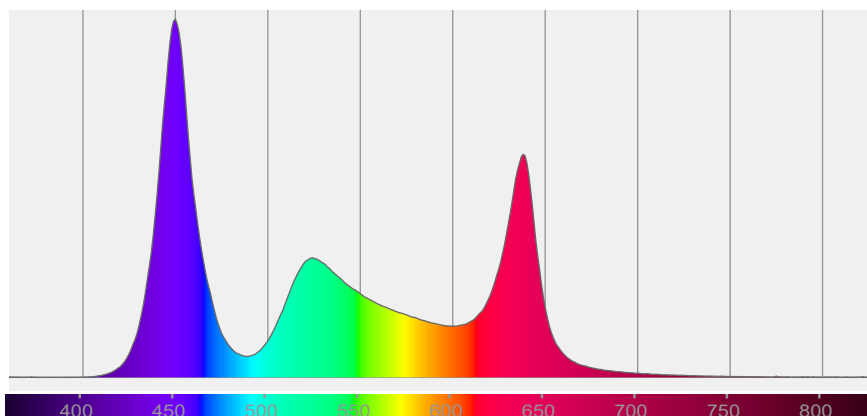


Beam angle 50%: 58,8°

Field angle 10%: 77,4°

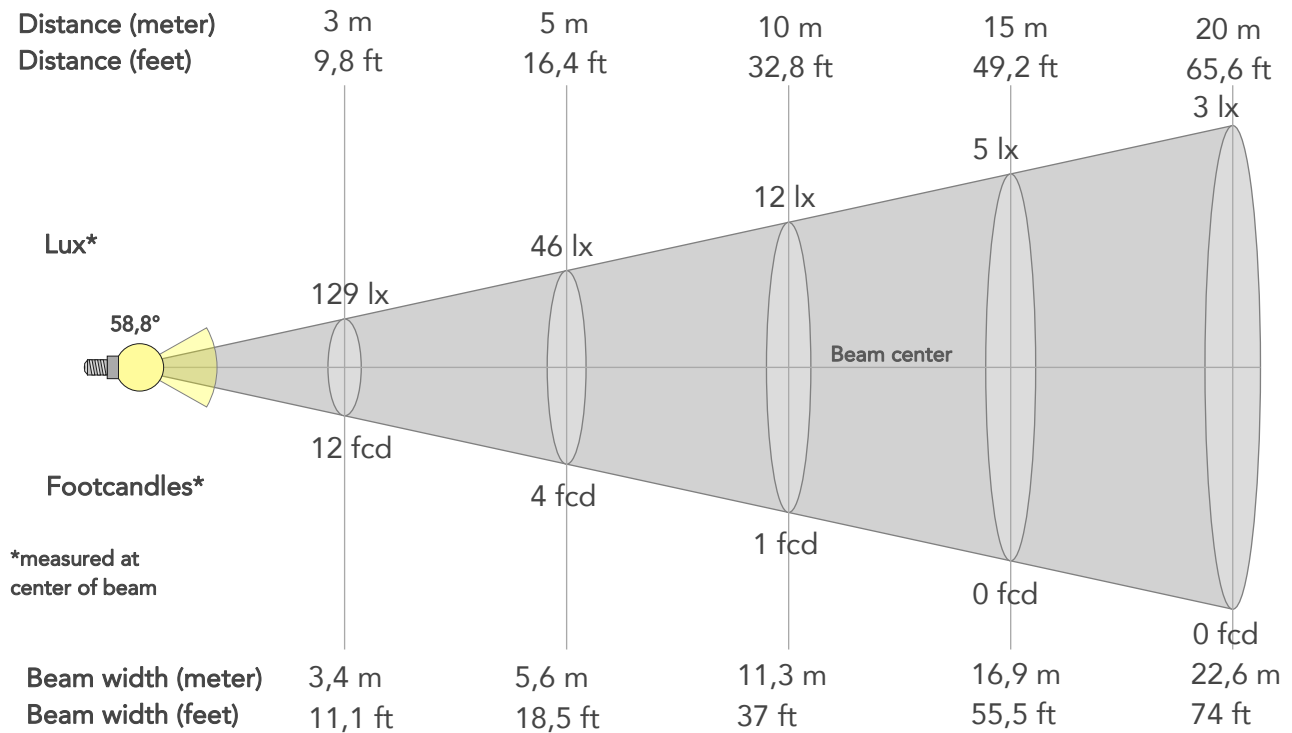
Cut off angle 2.5%: 91,5°

Spectra



BEAM DETAILS

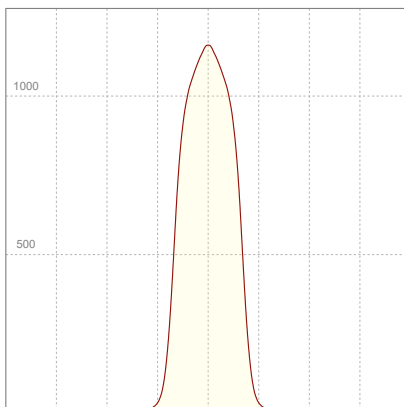
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,8°	77,4°	91,5°	99,1%	97,2%



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	1160lx	290lx	129lx	73lx	46lx	21lx	12lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	108fcd	27fcd	12fcd	7fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,3m	3,4m	4,5m	5,6m	8,5m	11,3m	16,9m	22,6m	28,2m	33,8m	45,1m	56,4m
Beam wid.	3,7ft	7,4ft	11,1ft	14,8ft	18,5ft	27,7ft	37ft	55,5ft	74ft	92,5ft	111ft	148ft	185ft

LINEAR DISTRIBUTION DIAGRAM

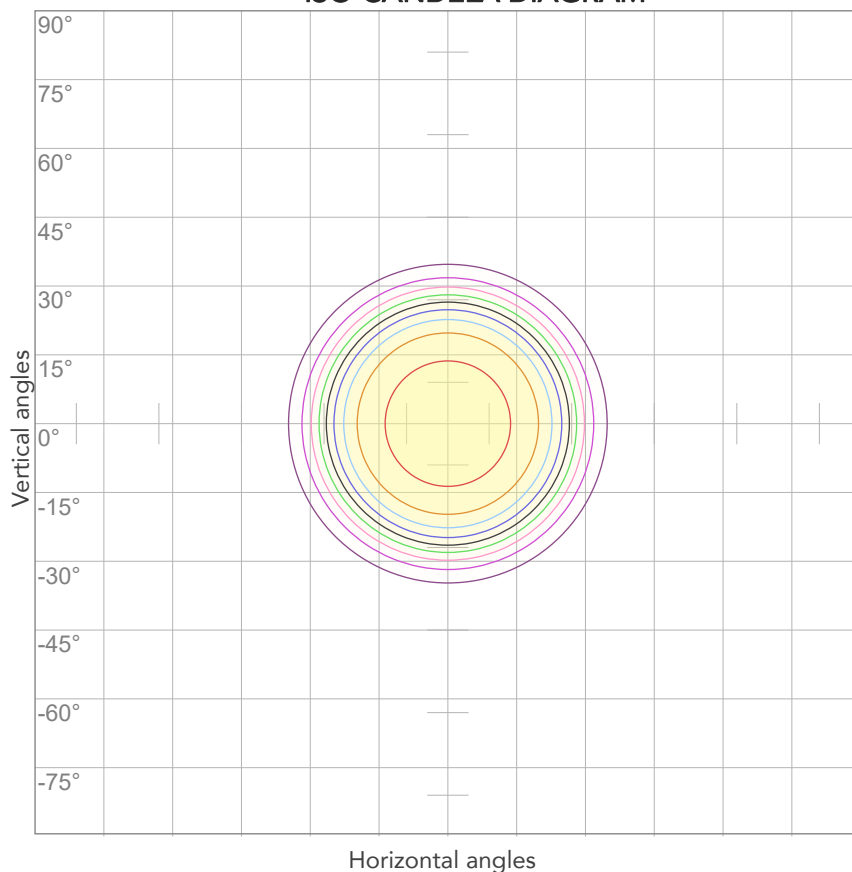


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,218A	45,6W	0,93	21lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



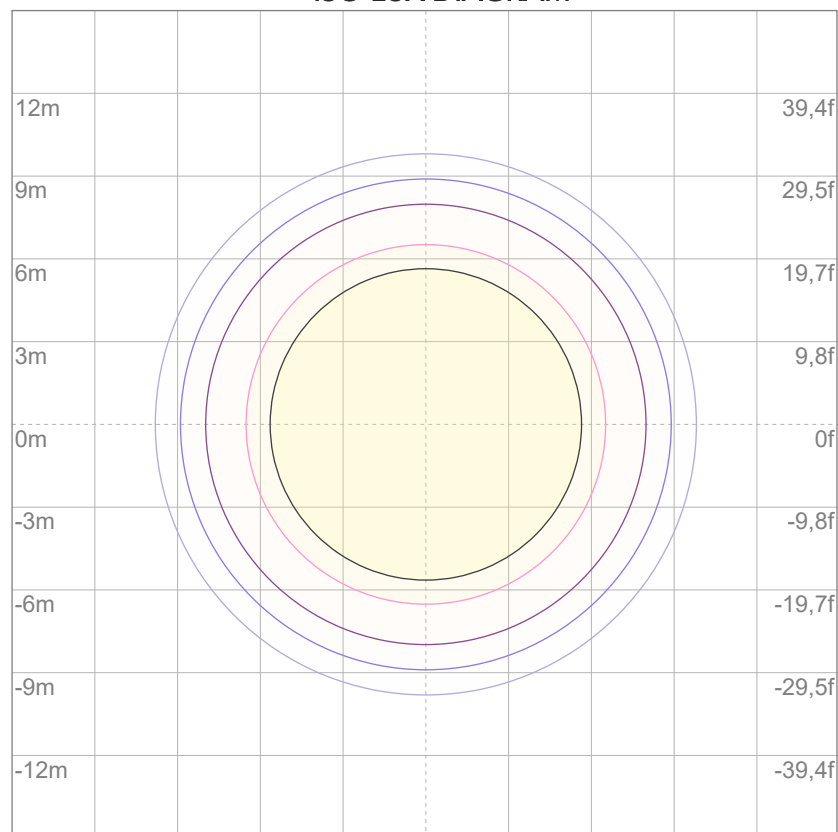
10%	116 cd
20%	232 cd
30%	348 cd
40%	464 cd
50%	580 cd
60%	696 cd
70%	812 cd
80%	928 cd

Conditions:

Number of c-planes: 2

Candela at center: 1160 cd

ISO LUX DIAGRAM



3%	0,348 lx
5%	0,580 lx
10%	1,16 lx
30%	3,48 lx
50%	5,80 lx

Conditions:

Number of c-planes: 2

Lux at center: 11,6 lx

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



Total lumen output:

703 lm

Peak candela output:

3063 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 25-50 Lens - Min Zoom

Target:

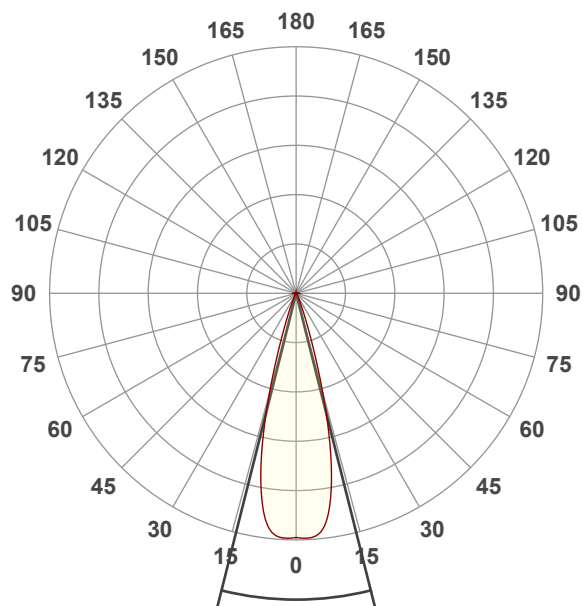
Full On

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 09:30:50

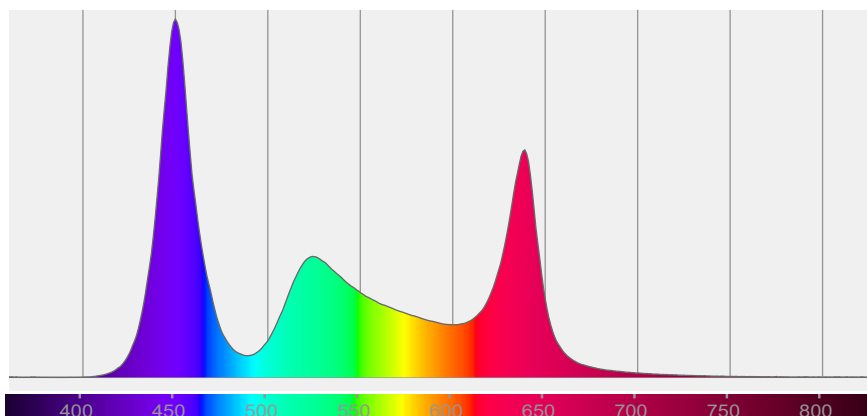


Beam angle 50%: 28,2°

Field angle 10%: 40,8°

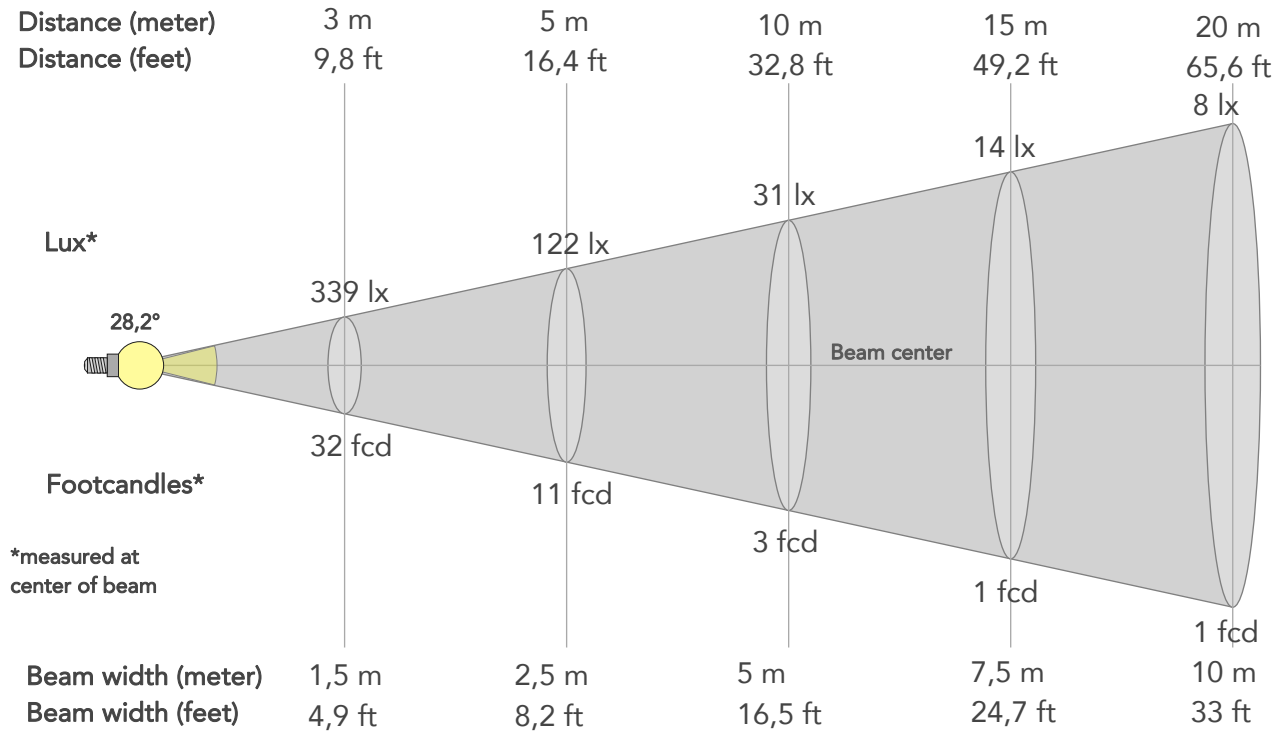
Cut off angle 2.5%: 52°

Spectra



BEAM DETAILS

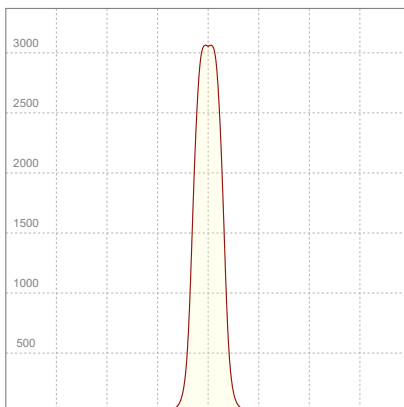
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
28,2°	40,8°	52°	98,9%	97,8%



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	3053lx	763lx	339lx	191lx	122lx	54lx	31lx	14lx	8lx	5lx	3lx	2lx	1lx
Footcand.	284fcd	71fcd	32fcd	18fcd	11fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,5m	2m	2,5m	3,8m	5m	7,5m	10m	12,6m	15,1m	20,1m	25,1m
Beam wid.	1,7ft	3,3ft	4,9ft	6,6ft	8,2ft	12,4ft	16,5ft	24,7ft	33ft	41,2ft	49,4ft	65,9ft	82,4ft

LINEAR DISTRIBUTION DIAGRAM

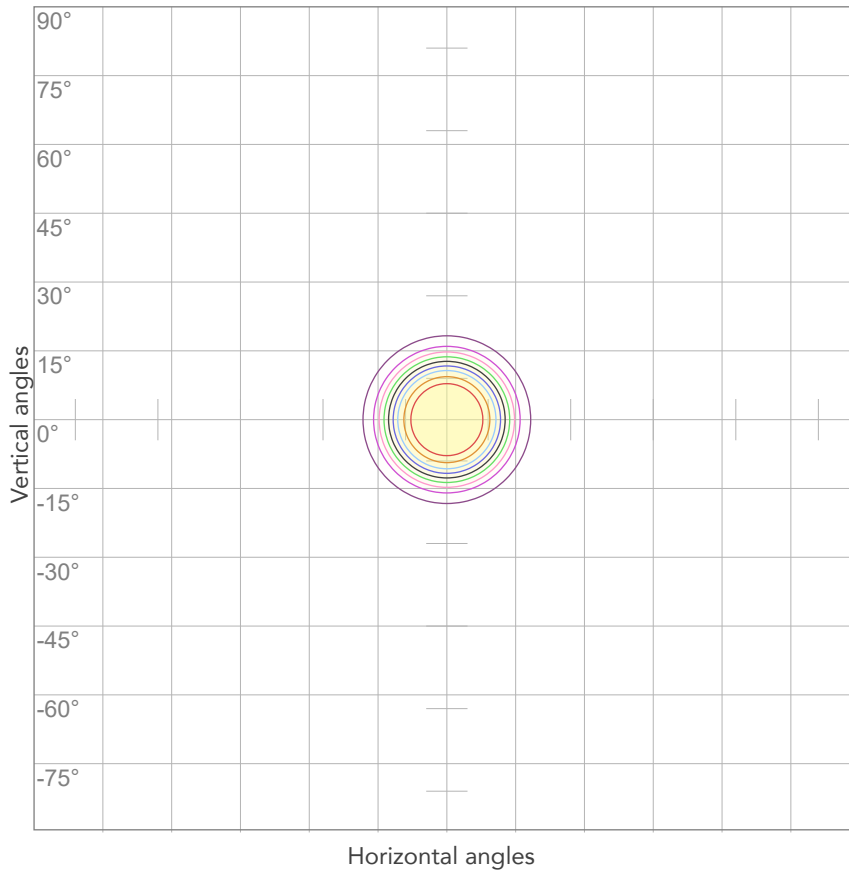


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,215A	45,4W	0,93	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



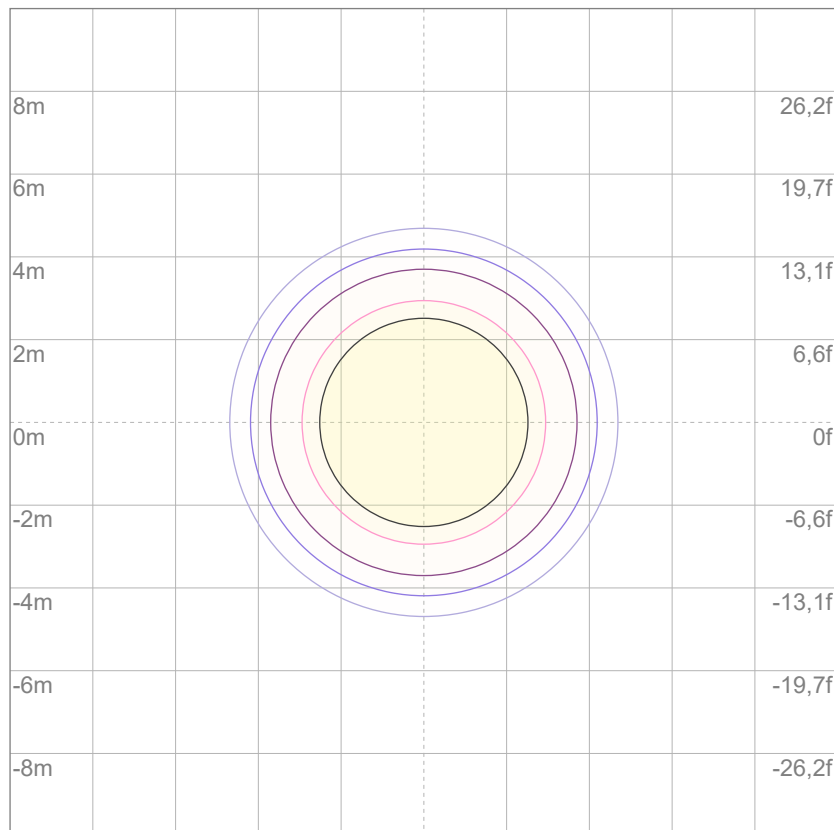
10%	305 cd
20%	611 cd
30%	916 cd
40%	1221 cd
50%	1526 cd
60%	1832 cd
70%	2137 cd
80%	2442 cd

Conditions:

Number of c-planes: 2

Candela at center: 3053 cd

ISO LUX DIAGRAM



3%	0,916 lx
5%	1,53 lx
10%	3,05 lx
30%	9,16 lx
50%	15,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 30,5 lx

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



Total lumen output:

145 lm

Peak candela output:

175 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 25-50 Lens - Max Zoom

Target:

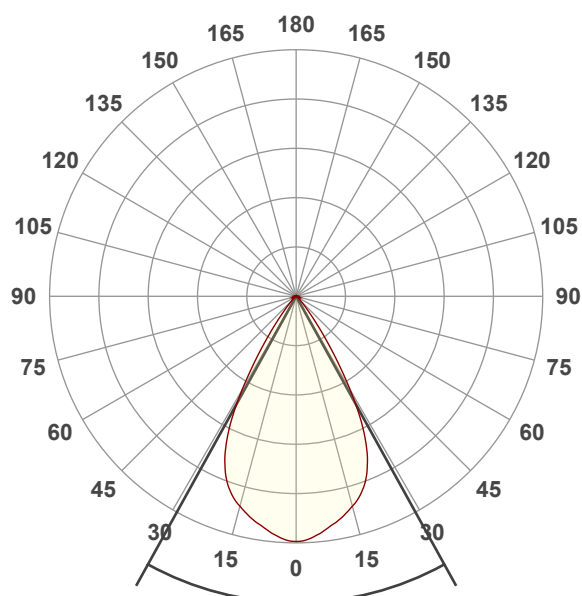
Red

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 17:00:05

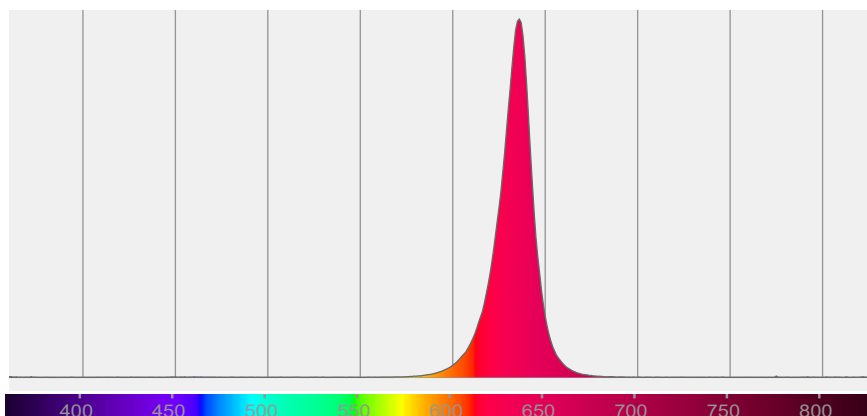


Beam angle 50%: 57,9°

Field angle 10%: 76,7°

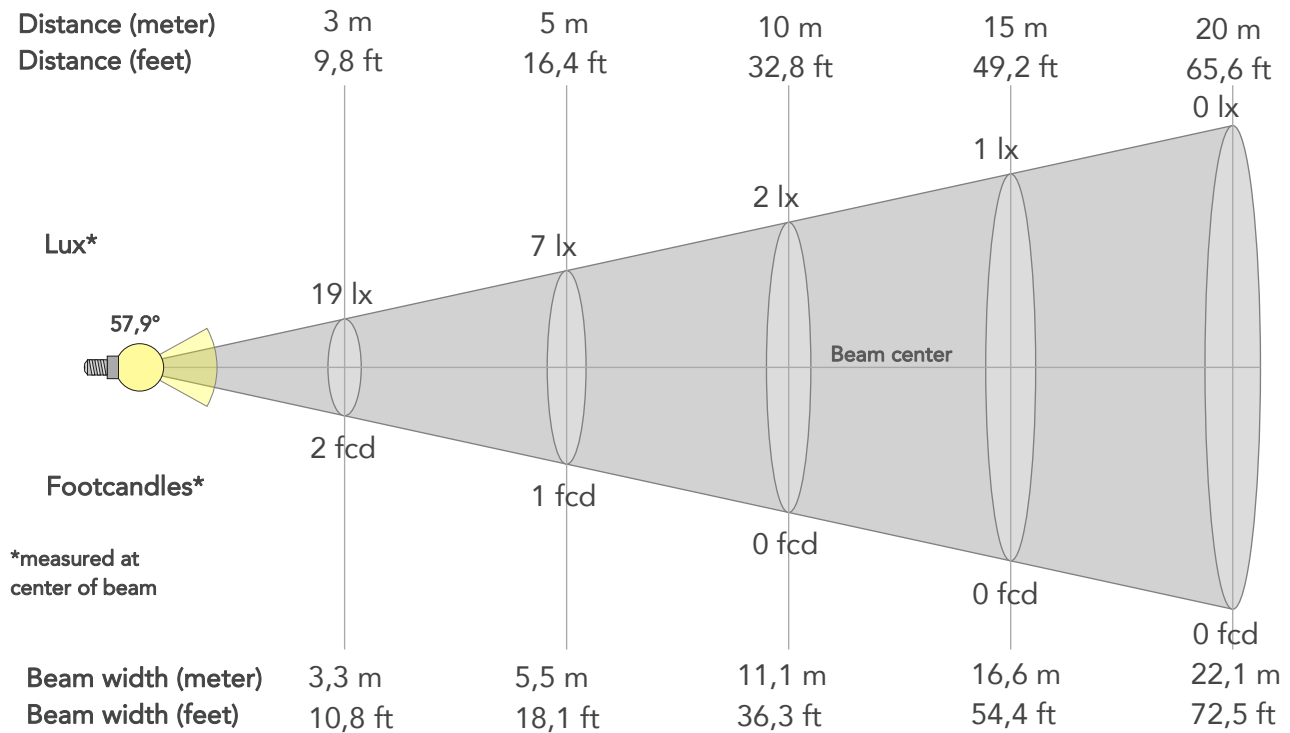
Cut off angle 2.5%: 91°

Spectra



BEAM DETAILS

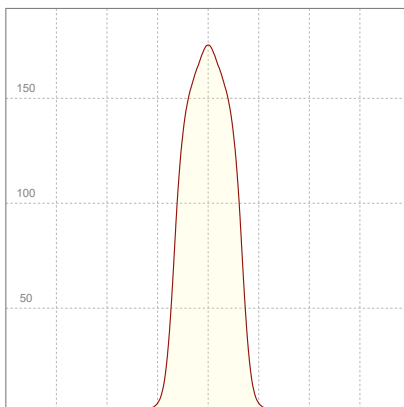
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,9°	76,7°	91°	97,9%	95,8%



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	175lx	44lx	19lx	11lx	7lx	3lx	2lx	1lx	0lx	0lx	0lx	0lx	0lx
Footcand.	16fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,3m	11,1m	16,6m	22,1m	27,6m	33,2m	44,2m	55,3m
Beam wid.	3,6ft	7,3ft	10,8ft	14,5ft	18,1ft	27,2ft	36,3ft	54,4ft	72,5ft	90,6ft	108,8ft	145ft	181,3ft

LINEAR DISTRIBUTION DIAGRAM

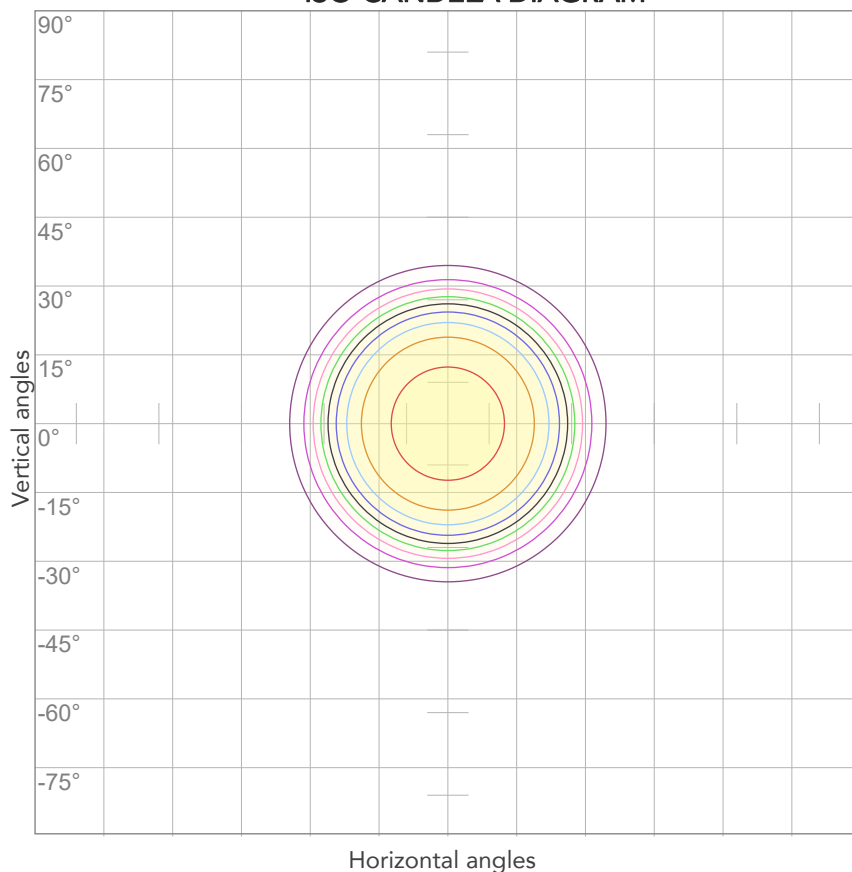


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,072A	9,2W	0,56	16lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



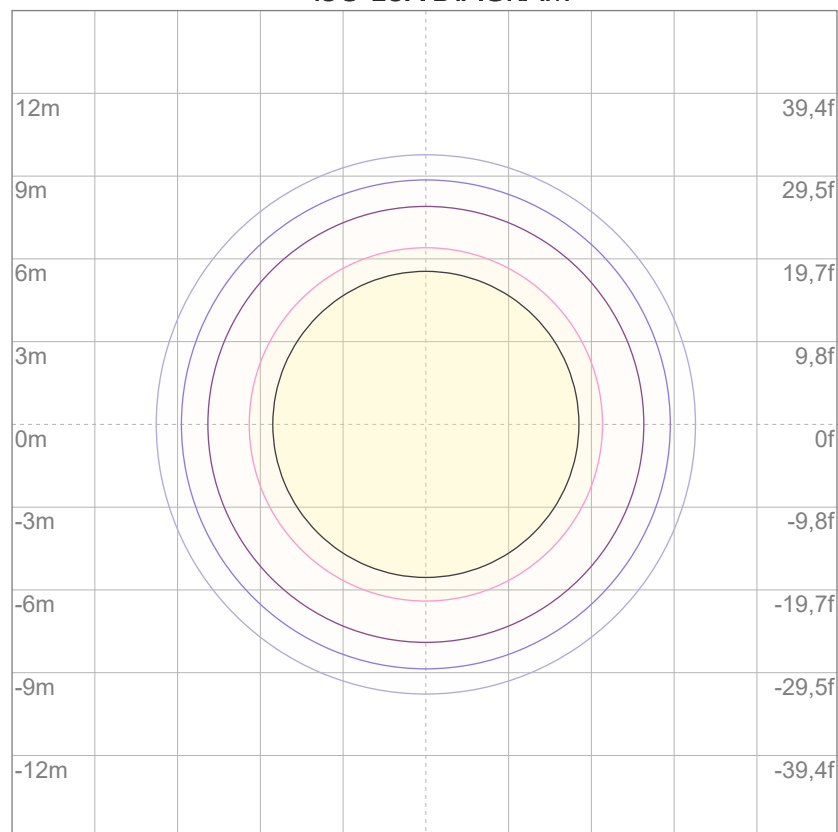
10%	18 cd
20%	35 cd
30%	53 cd
40%	70 cd
50%	88 cd
60%	105 cd
70%	123 cd
80%	140 cd

Conditions:

Number of c-planes: 2

Candela at center: 175 cd

ISO LUX DIAGRAM



3%	52,6m lx
5%	87,7m lx
10%	0,175 lx
30%	0,526 lx
50%	0,877 lx

Conditions:

Number of c-planes: 2

Lux at center: 1,75 lx

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



Total lumen output:

107 lm

Peak candela output:

446 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 25-50 Lens - Min Zoom

Target:

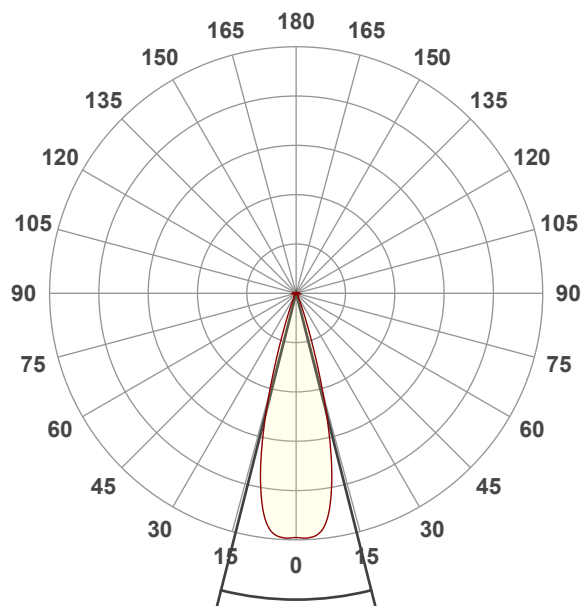
Red

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 09:33:50

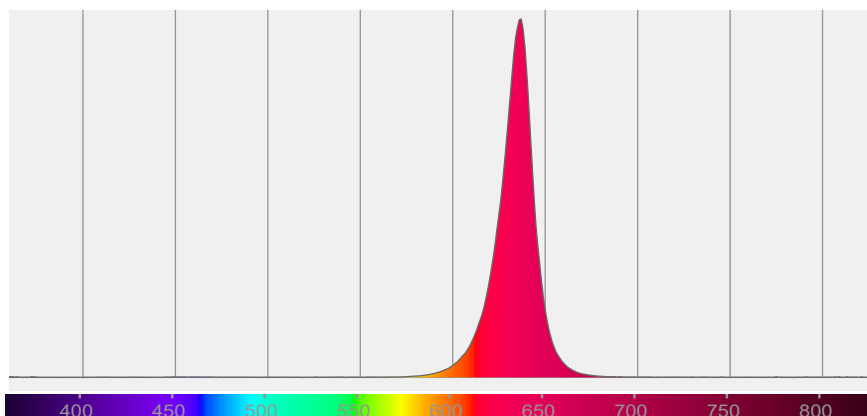


Beam angle 50%: 28,4°

Field angle 10%: 40,9°

Cut off angle 2.5%: 52,3°

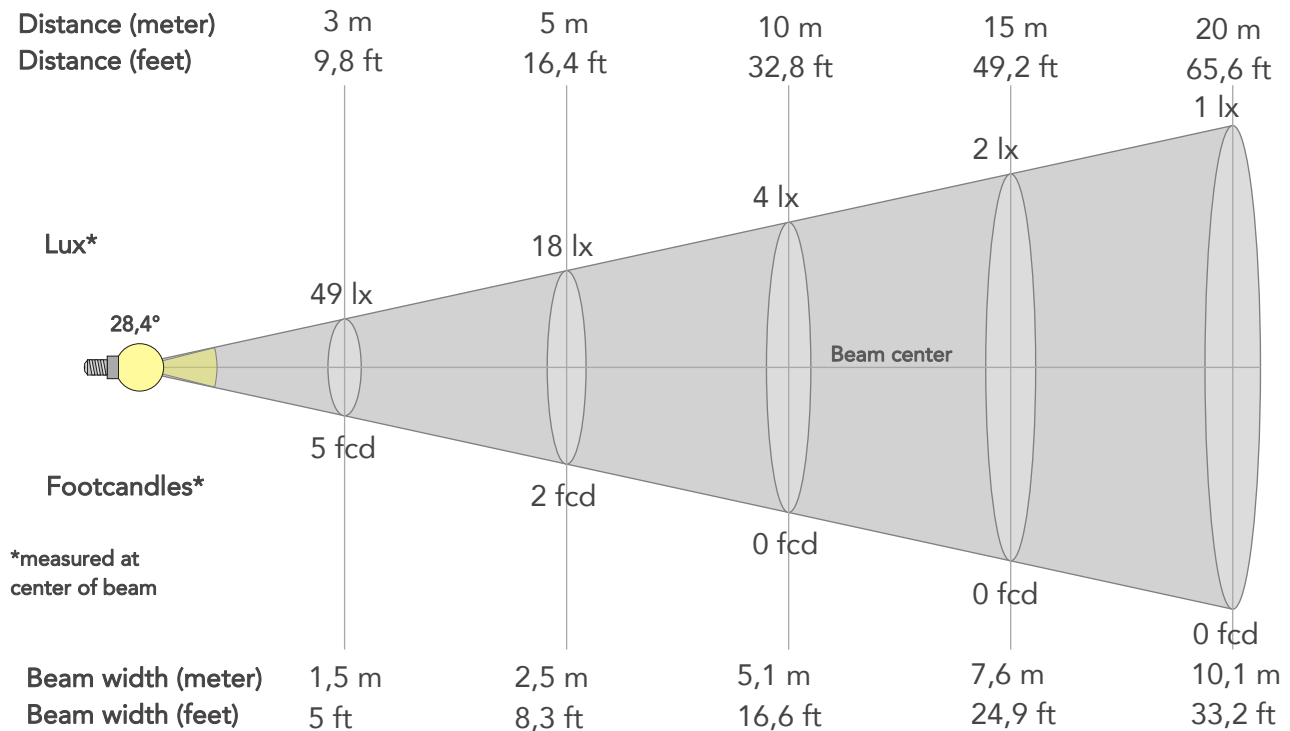
Spectra



BEAM DETAILS



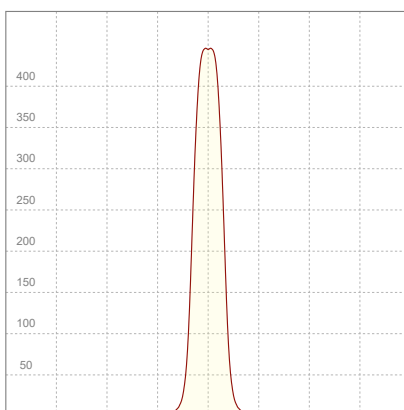
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
28,4°	40,9°	52,3°	96,8%	95,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	445lx	111lx	49lx	28lx	18lx	8lx	4lx	2lx	1lx	1lx	0lx	0lx	0lx
Footcand.	41fcd	10fcd	5fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,5m	2m	2,5m	3,8m	5,1m	7,6m	10,1m	12,7m	15,2m	20,2m	25,3m
Beam wid.	1,7ft	3,3ft	5ft	6,6ft	8,3ft	12,5ft	16,6ft	24,9ft	33,2ft	41,5ft	49,8ft	66,4ft	83ft

LINEAR DISTRIBUTION DIAGRAM

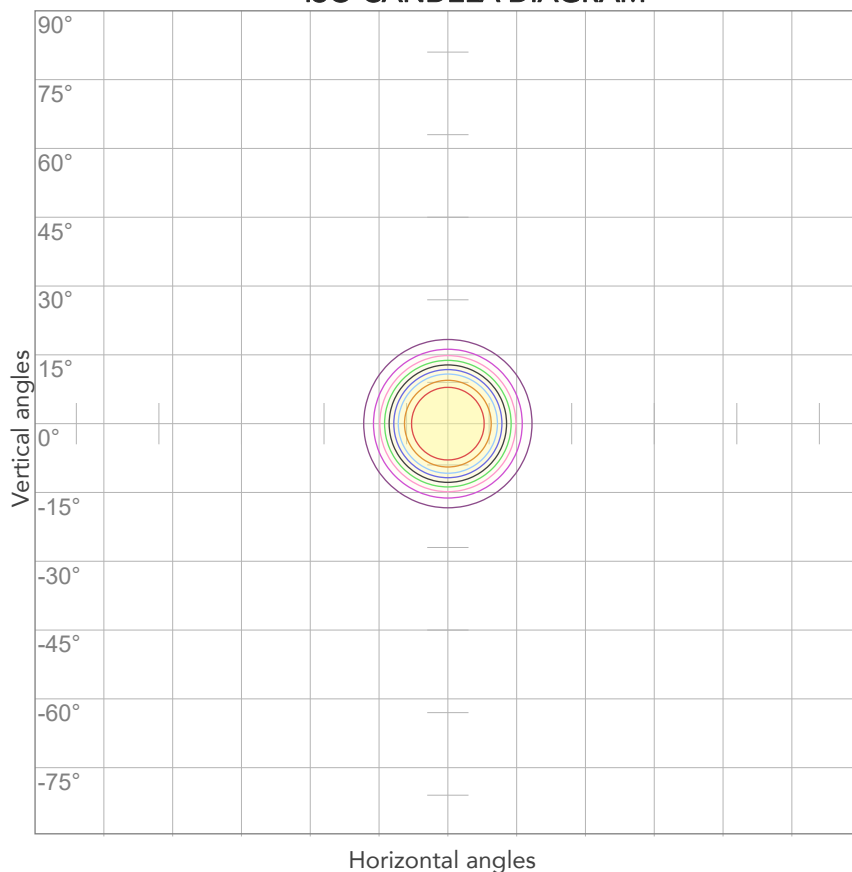


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,080A	9,1W	0,5	12lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



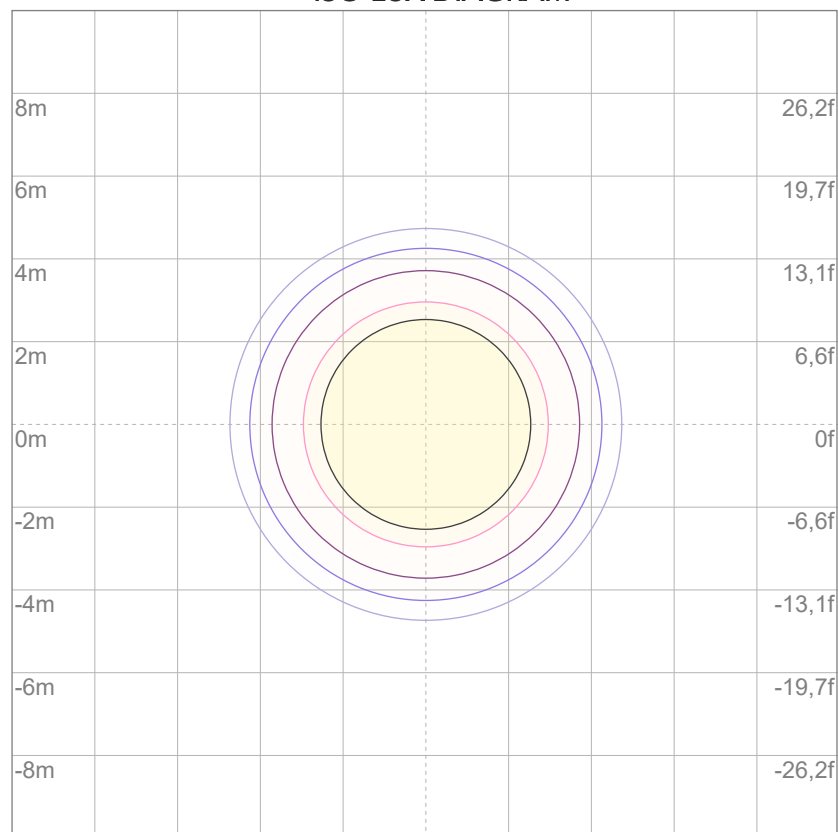
10%	44 cd
20%	89 cd
30%	133 cd
40%	178 cd
50%	222 cd
60%	267 cd
70%	311 cd
80%	356 cd

Conditions:

Number of c-planes: 2

Candela at center: 445 cd

ISO LUX DIAGRAM



3%	0,133 lx
5%	0,222 lx
10%	0,445 lx
30%	1,33 lx
50%	2,22 lx

Conditions:

Number of c-planes: 2

Lux at center: 4,45 lx

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



Total lumen output:

224 lm

Peak candela output:

264 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 25-50 Lens - Max Zoom

Target:

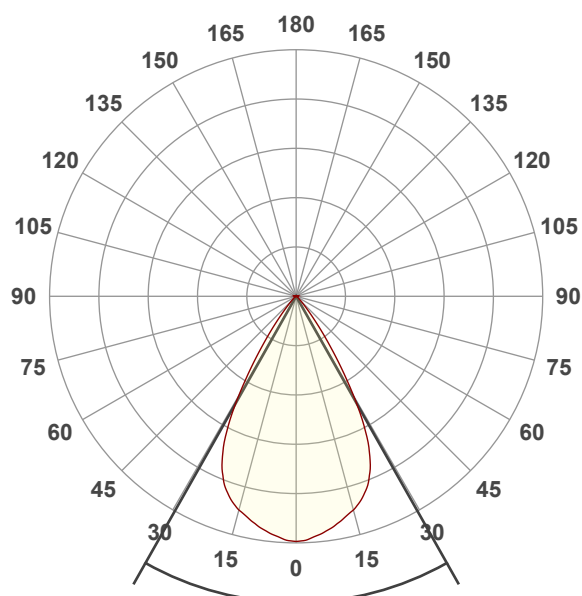
Green

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 17:04:16

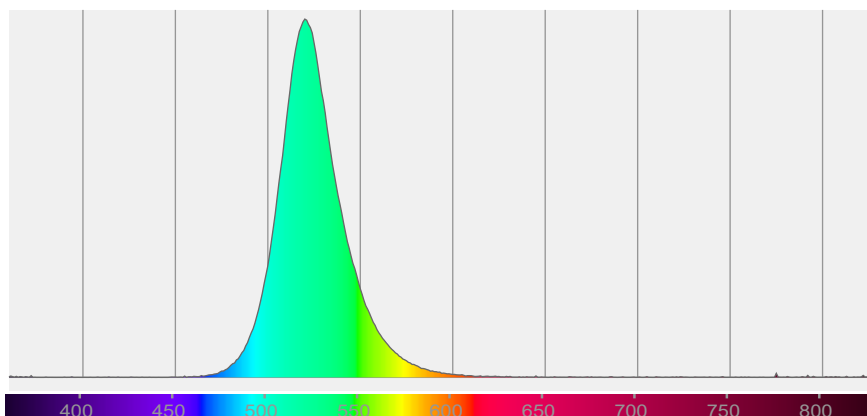


Beam angle 50%: 58,9°

Field angle 10%: 77,6°

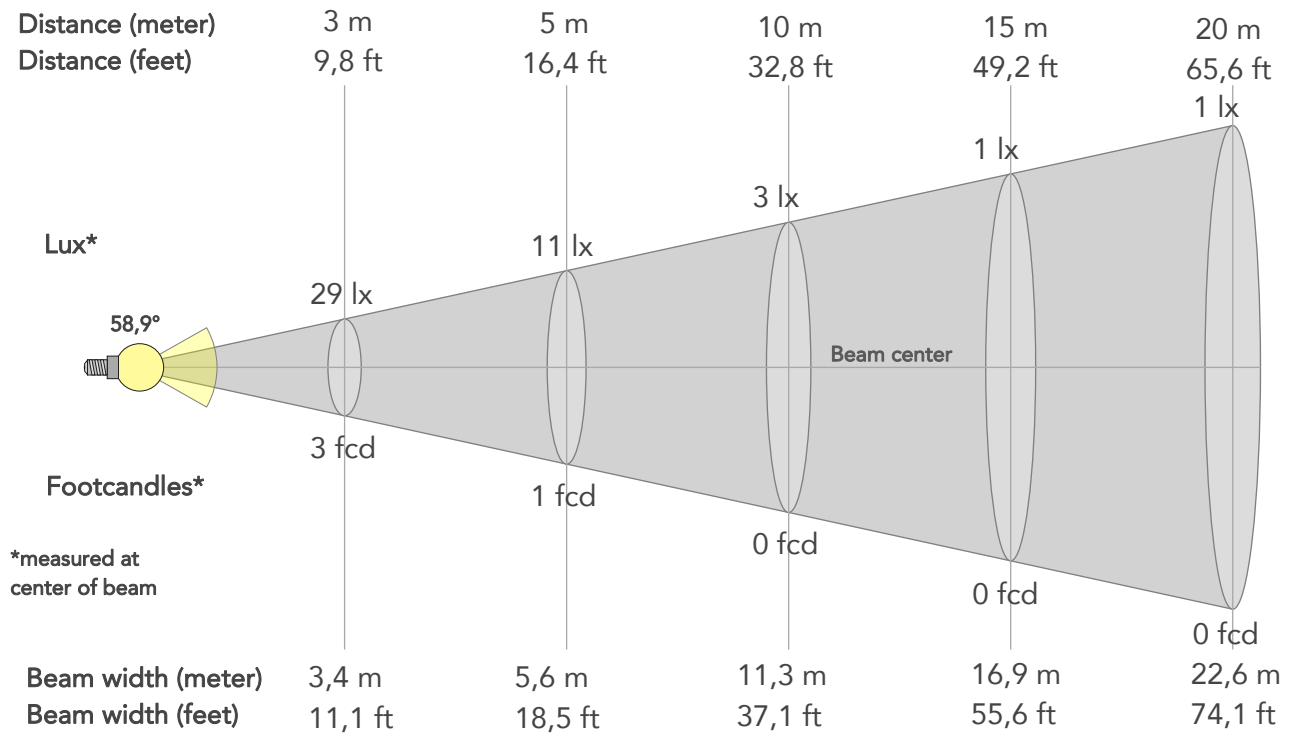
Cut off angle 2.5%: 91,8°

Spectra



BEAM DETAILS

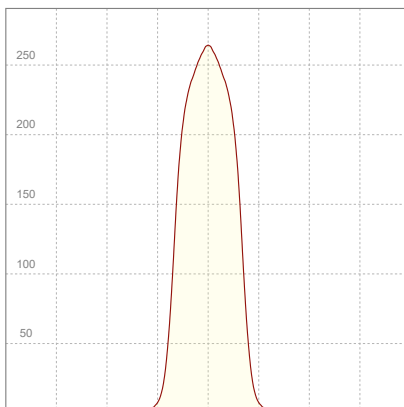
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,9°	77,6°	91,8°	98,8%	96,8%



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	264lx	66lx	29lx	17lx	11lx	5lx	3lx	1lx	1lx	0lx	0lx	0lx	0lx
Footcand.	25fcd	6fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,3m	3,4m	4,5m	5,6m	8,5m	11,3m	16,9m	22,6m	28,2m	33,9m	45,2m	56,5m
Beam wid.	3,7ft	7,5ft	11,1ft	14,8ft	18,5ft	27,8ft	37,1ft	55,6ft	74,1ft	92,6ft	111,2ft	148,2ft	185,3ft

LINEAR DISTRIBUTION DIAGRAM

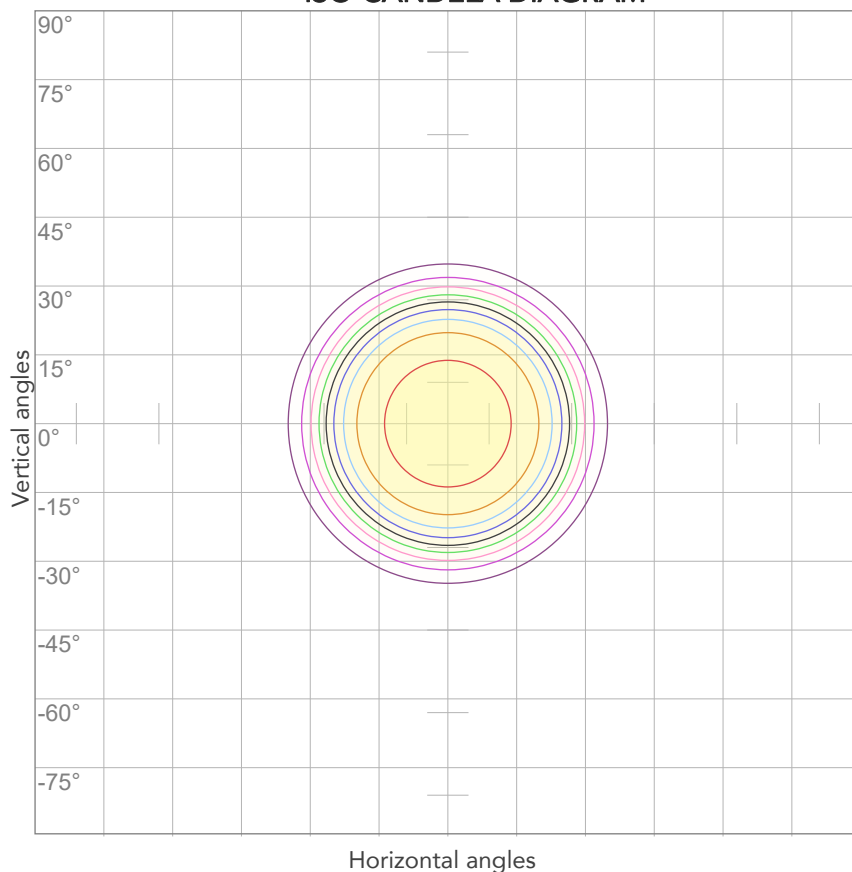


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,087A	10,3W	0,52	22lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



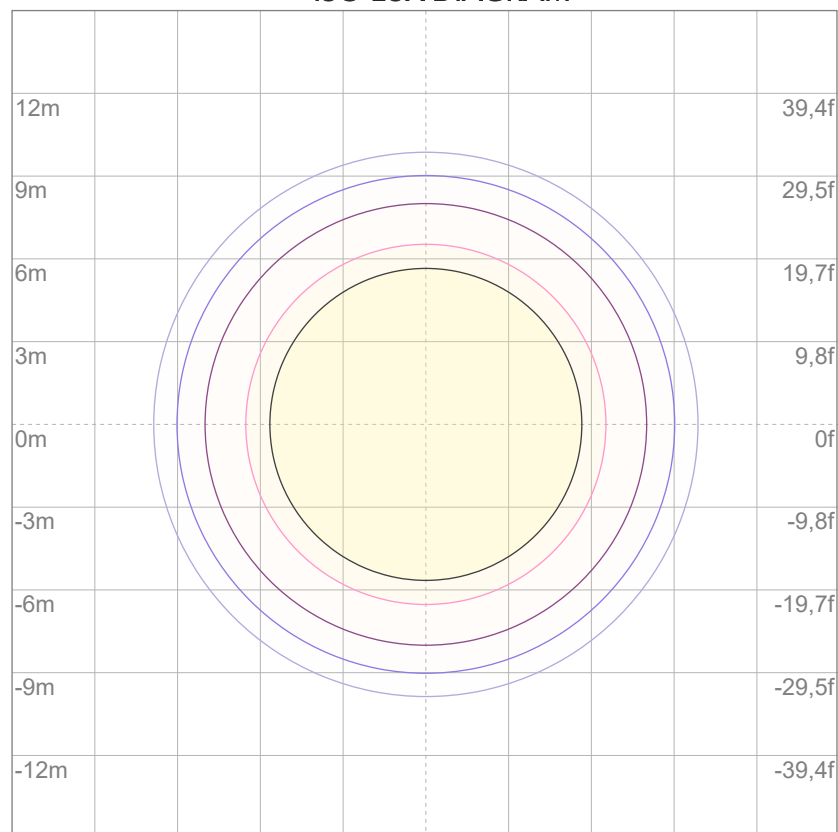
10%	26 cd
20%	53 cd
30%	79 cd
40%	106 cd
50%	132 cd
60%	159 cd
70%	185 cd
80%	211 cd

Conditions:

Number of c-planes: 2

Candela at center: 264 cd

ISO LUX DIAGRAM



3%	79,3m lx
5%	0,132 lx
10%	0,264 lx
30%	0,793 lx
50%	1,32 lx

Conditions:

Number of c-planes: 2

Lux at center: 2,64 lx

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



Total lumen output:

163 lm

Peak candela output:

713 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 25-50 Lens - Min Zoom

Target:

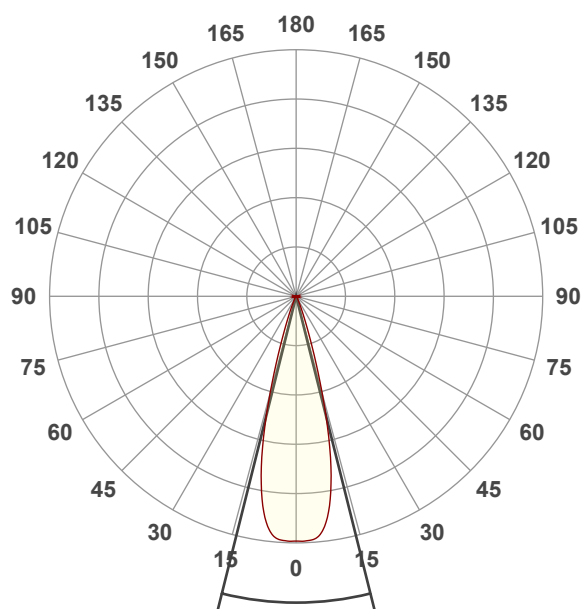
Green

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 09:35:46

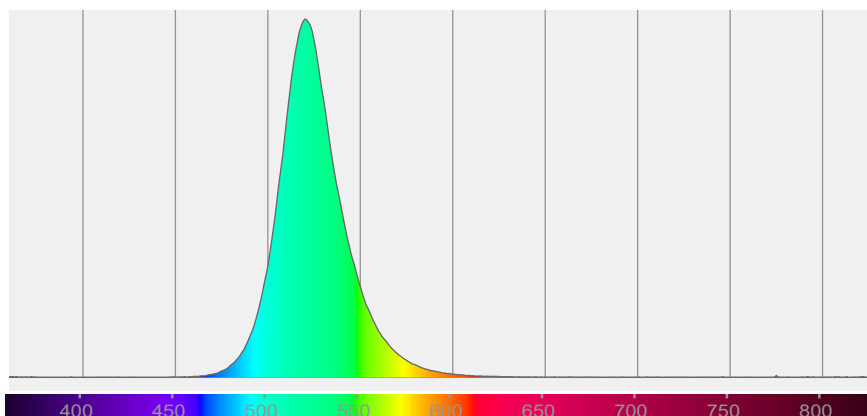


Beam angle 50%: 28,1°

Field angle 10%: 40,7°

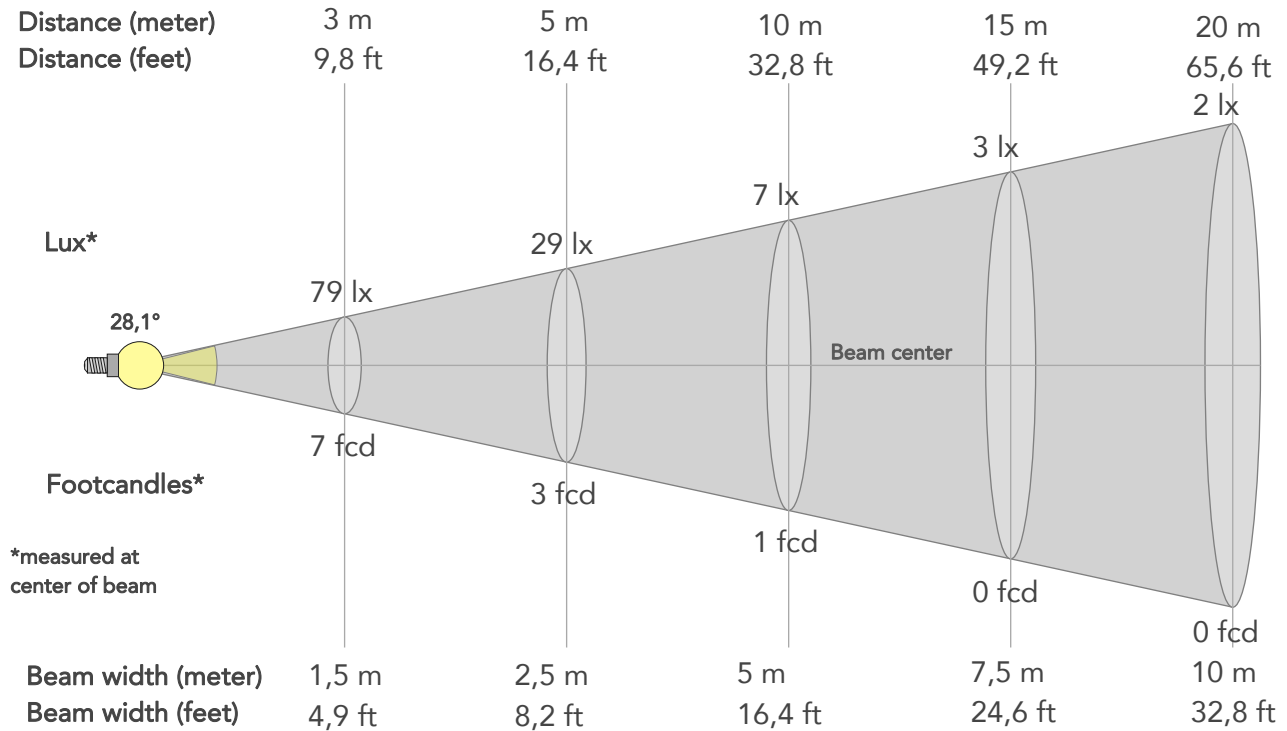
Cut off angle 2.5%: 52,1°

Spectra



BEAM DETAILS

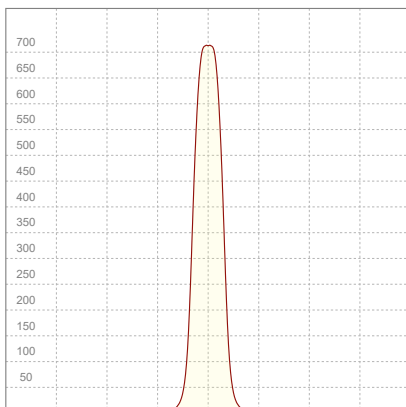
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
28,1°	40,7°	52,1°	98,6%	97,4%



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	713lx	178lx	79lx	45lx	29lx	13lx	7lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	66fcd	17fcd	7fcd	4fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,5m	2m	2,5m	3,7m	5m	7,5m	10m	12,5m	15m	20m	25m
Beam wid.	1,6ft	3,3ft	4,9ft	6,5ft	8,2ft	12,3ft	16,4ft	24,6ft	32,8ft	41ft	49,2ft	65,6ft	82ft

LINEAR DISTRIBUTION DIAGRAM

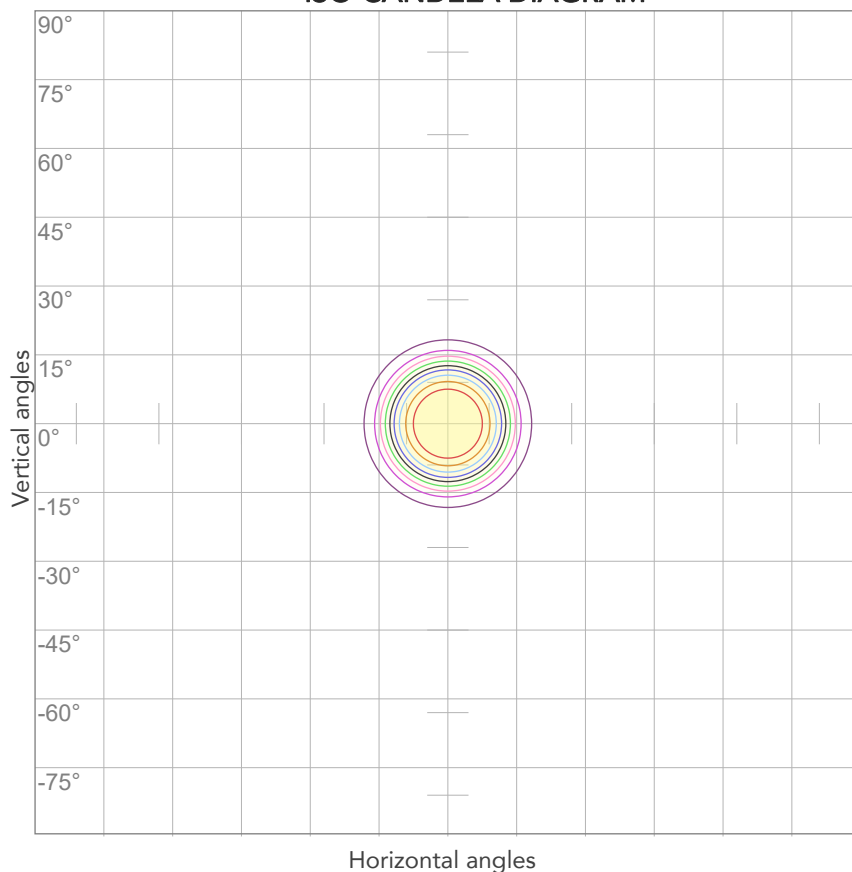


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,110A	12,1W	0,48	13lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



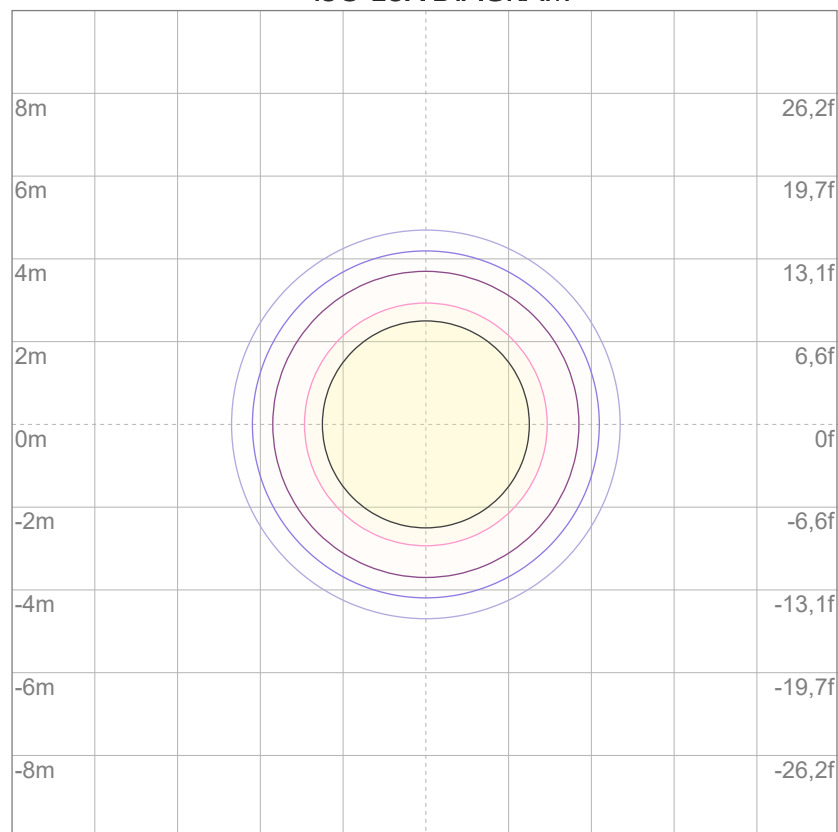
10%	71 cd
20%	143 cd
30%	214 cd
40%	285 cd
50%	356 cd
60%	428 cd
70%	499 cd
80%	570 cd

Conditions:

Number of c-planes: 2

Candela at center: 713 cd

ISO LUX DIAGRAM



3%	0,214 lx
5%	0,356 lx
10%	0,713 lx
30%	2,14 lx
50%	3,56 lx

Conditions:

Number of c-planes: 2

Lux at center: 7,13 lx

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



Total lumen output:

67,2 lm

Peak candela output:

75,4 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 25-50 Lens - Max Zoom

Target:

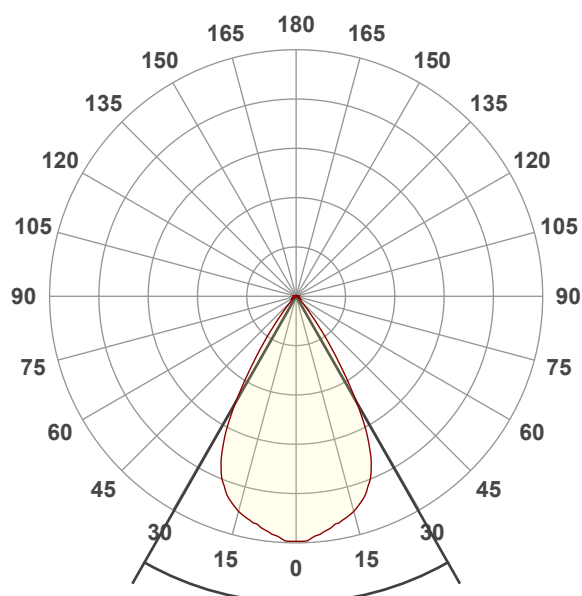
Blue

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 17:06:25

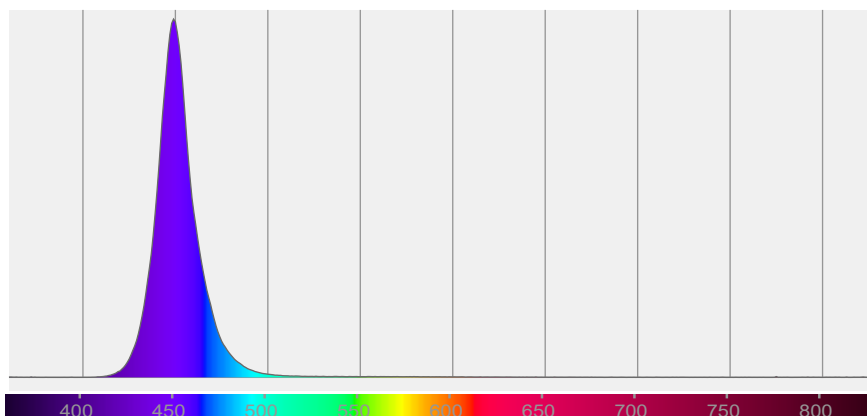


Beam angle 50%: 59,4°

Field angle 10%: 78,1°

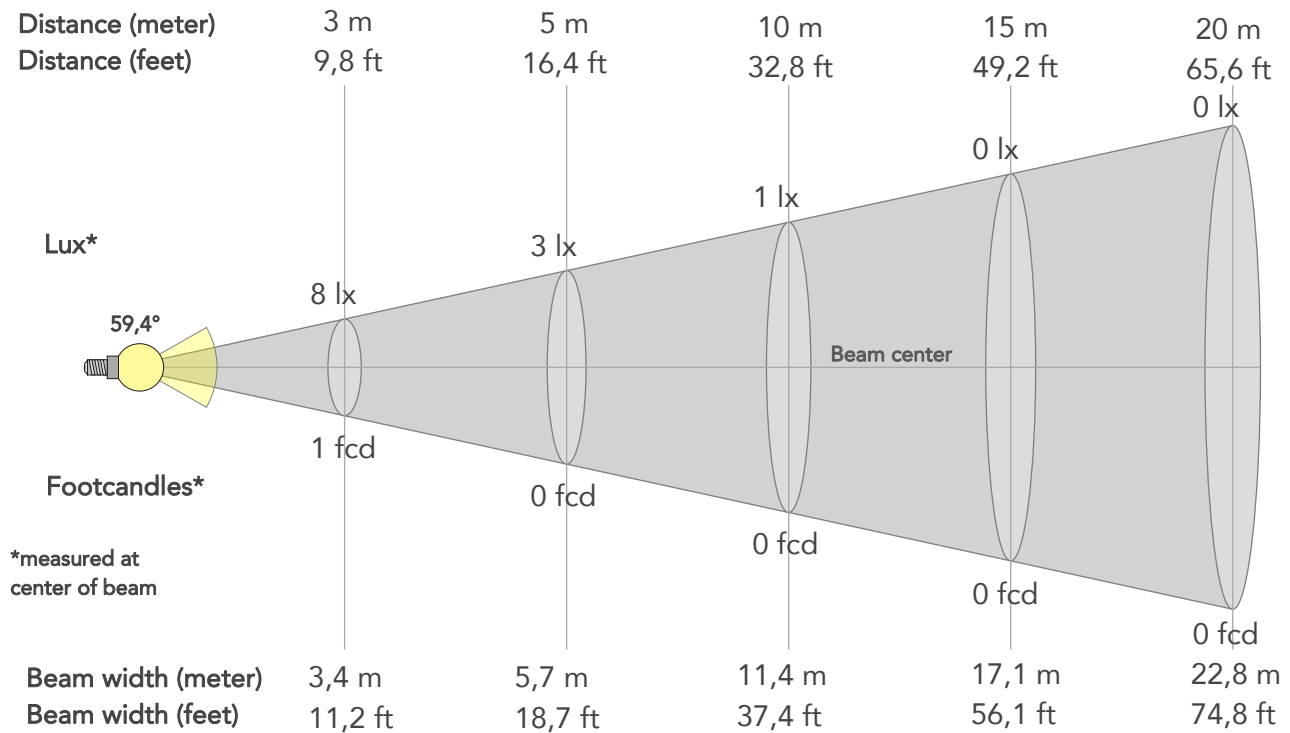
Cut off angle 2.5%: 96°

Spectra



BEAM DETAILS

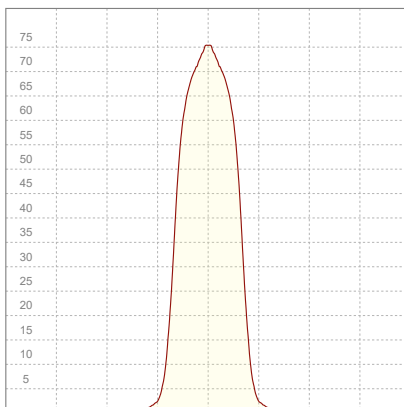
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
59,4°	78,1°	96°	96,2%	93,6%



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	75lx	19lx	8lx	5lx	3lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx	0lx
Footcand.	7fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,3m	3,4m	4,6m	5,7m	8,5m	11,4m	17,1m	22,8m	28,5m	34,2m	45,6m	57m
Beam wid.	3,8ft	7,5ft	11,2ft	14,9ft	18,7ft	28ft	37,4ft	56,1ft	74,8ft	93,5ft	112,2ft	149,6ft	187ft

LINEAR DISTRIBUTION DIAGRAM

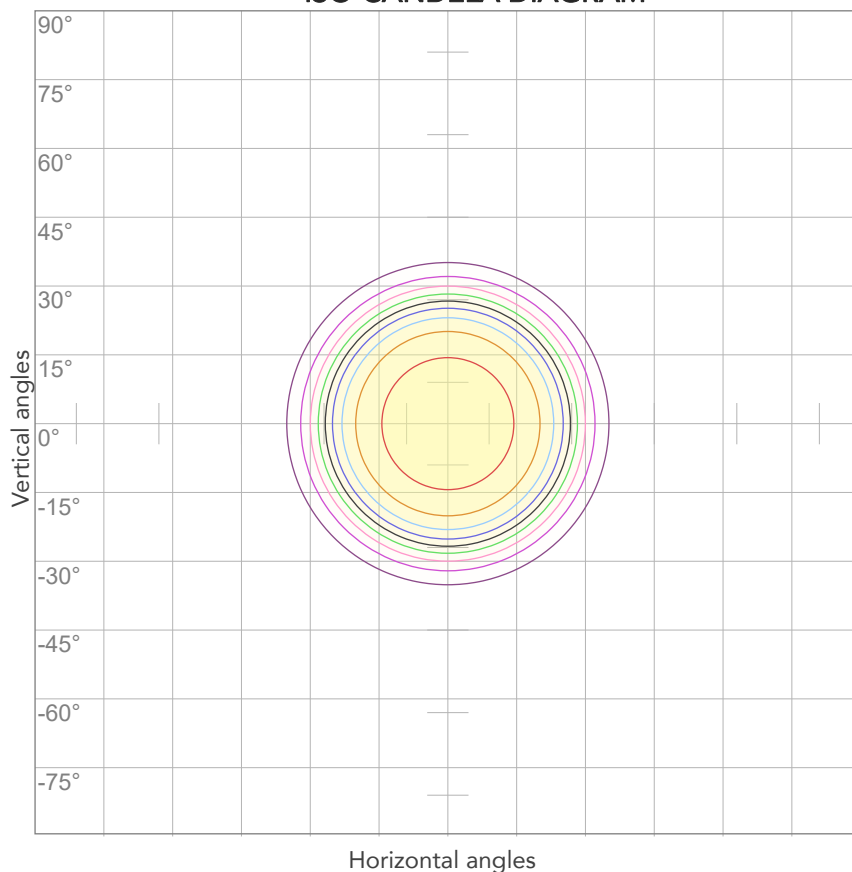


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,085A	11,2W	0,57	6lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



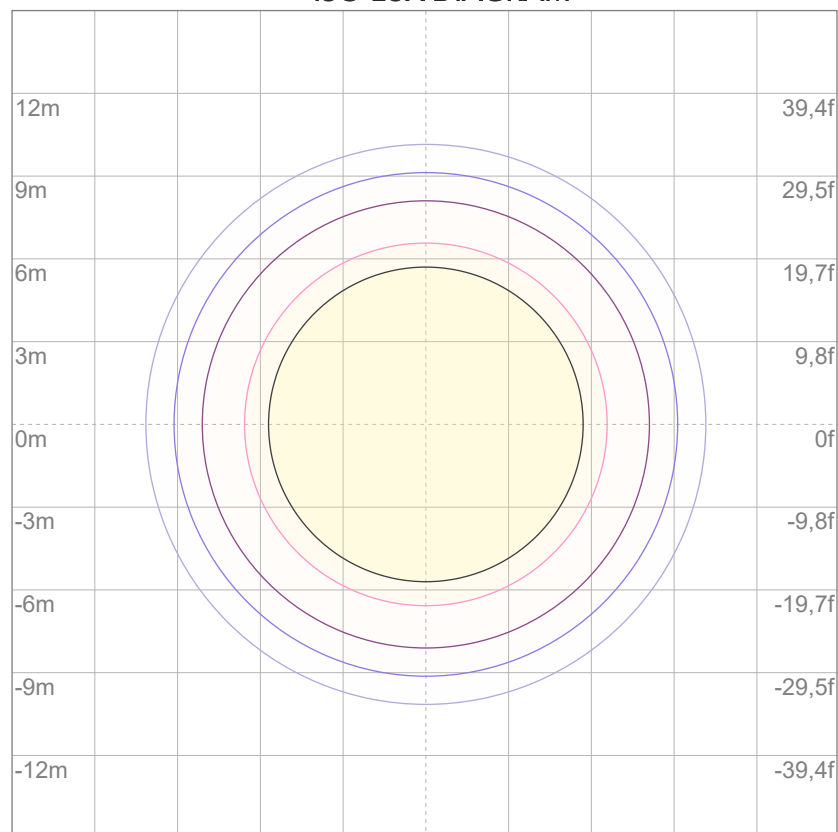
10%	8 cd
20%	15 cd
30%	23 cd
40%	30 cd
50%	38 cd
60%	45 cd
70%	53 cd
80%	60 cd

Conditions:

Number of c-planes: 2

Candela at center: 75 cd

ISO LUX DIAGRAM



3%	22,6m lx
5%	37,7m lx
10%	75,4m lx
30%	0,226 lx
50%	0,377 lx

Conditions:

Number of c-planes: 2

Lux at center: 0,754 lx

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



Total lumen output:

54,9 lm

Peak candela output:

212 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 25-50 Lens - Min Zoom

Target:

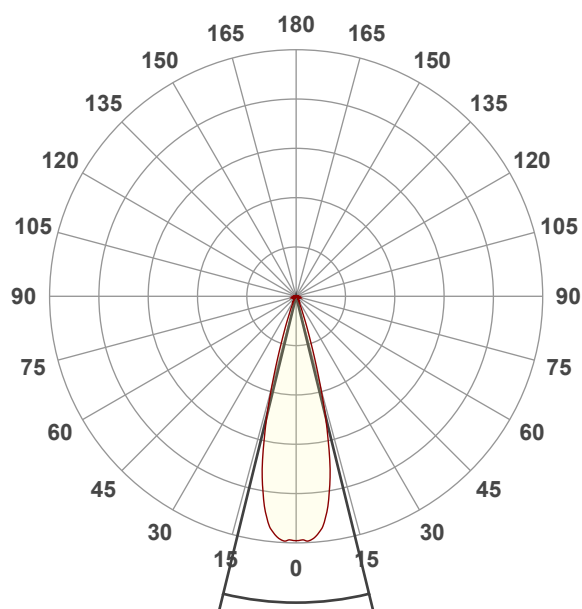
Blue

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 09:38:33

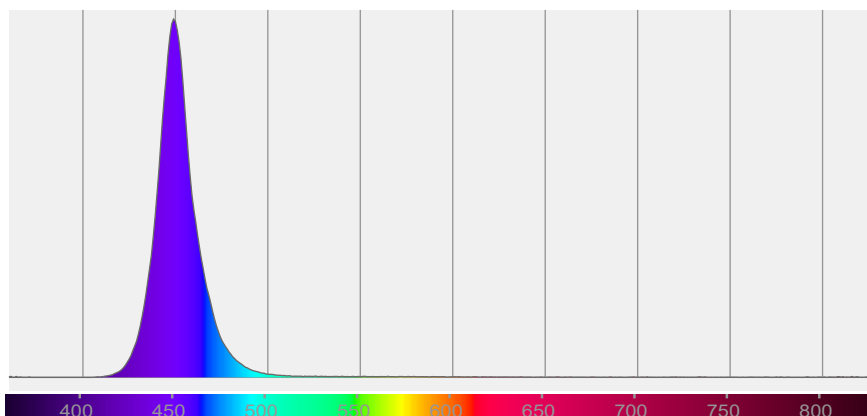


Beam angle 50%: 27,5°

Field angle 10%: 40,6°

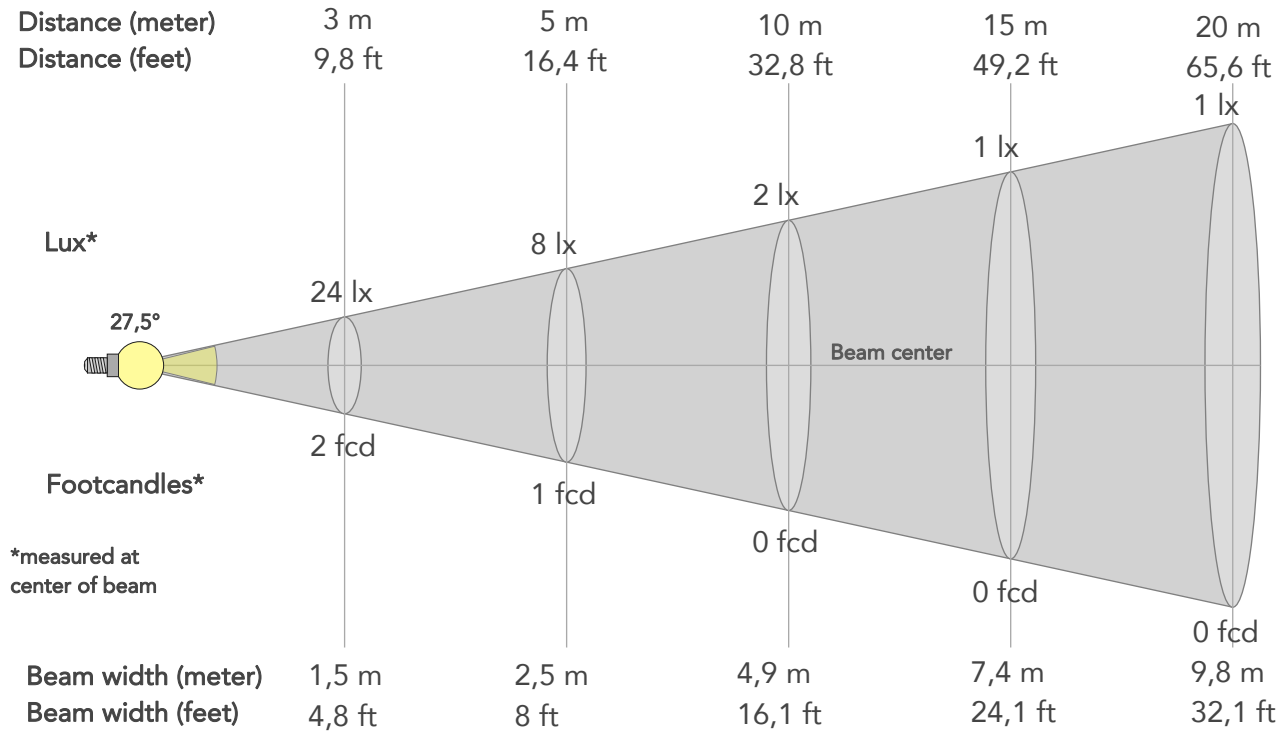
Cut off angle 2.5%: 54,5°

Spectra



BEAM DETAILS

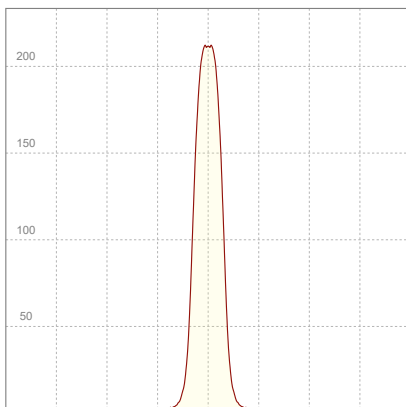
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27,5°	40,6°	54,5°	90,9%	86,7%



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	212lx	53lx	24lx	13lx	8lx	4lx	2lx	1lx	1lx	0lx	0lx	0lx	0lx
Footcand.	20fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,5m	2m	2,5m	3,7m	4,9m	7,4m	9,8m	12,3m	14,7m	19,6m	24,5m
Beam wid.	1,6ft	3,2ft	4,8ft	6,4ft	8ft	12,1ft	16,1ft	24,1ft	32,1ft	40,2ft	48,2ft	64,3ft	80,4ft

LINEAR DISTRIBUTION DIAGRAM

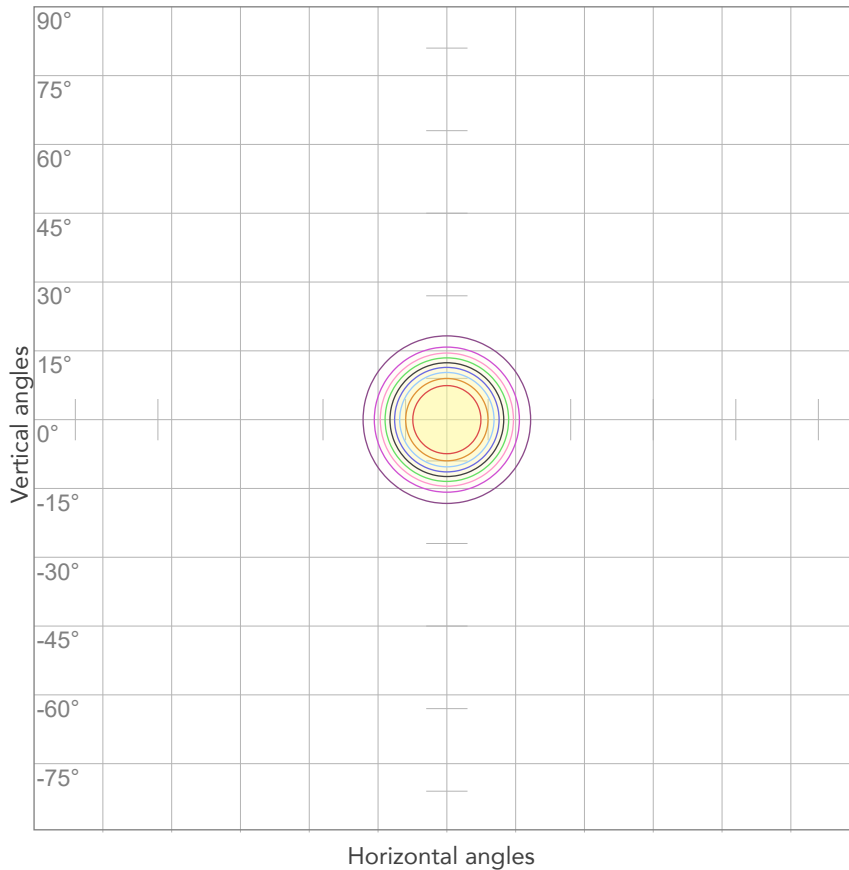


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,085A	11,4W	0,59	5lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



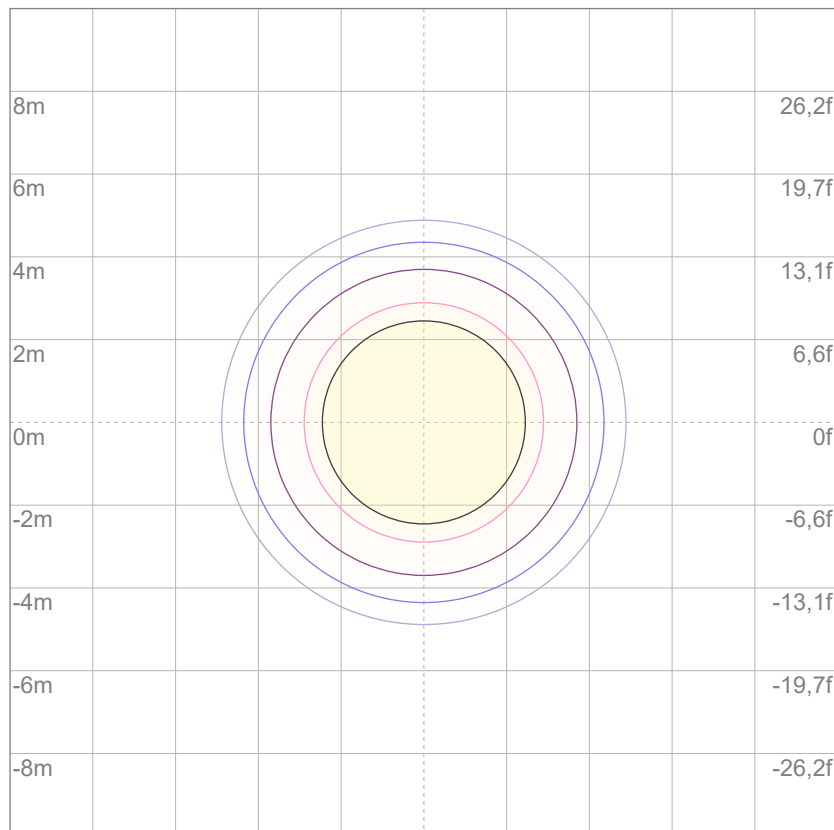
10%	21 cd
20%	42 cd
30%	63 cd
40%	85 cd
50%	106 cd
60%	127 cd
70%	148 cd
80%	169 cd

Conditions:

Number of c-planes: 2

Candela at center: 212 cd

ISO LUX DIAGRAM



3%	63,5m lx
5%	0,106 lx
10%	0,212 lx
30%	0,635 lx
50%	1,06 lx

Conditions:

Number of c-planes: 2

Lux at center: 2,12 lx

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



Total lumen output:

589 lm

Peak candela output:

697 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 25-50 Lens - Max Zoom

Target:

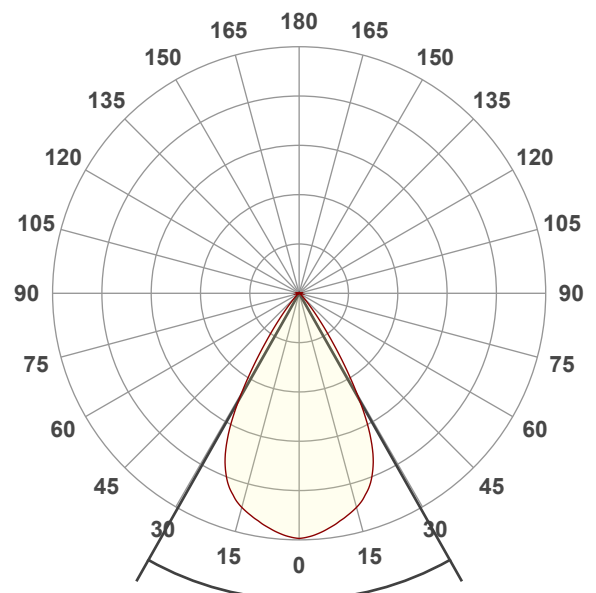
Lime

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 17:08:20

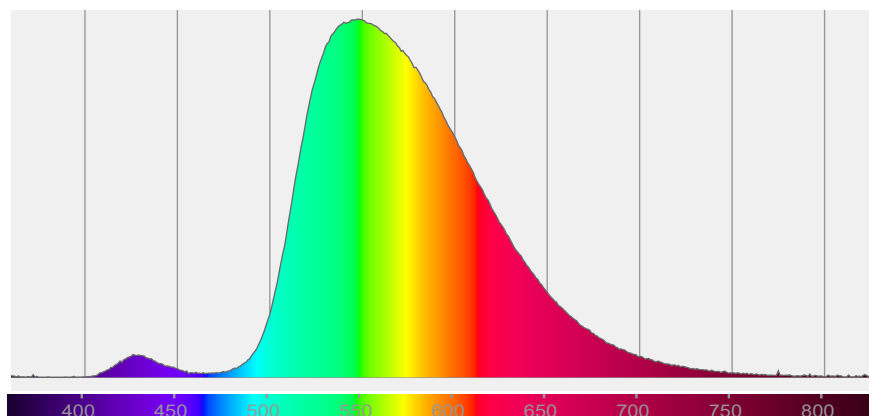


Beam angle 50%: 58,9°

Field angle 10%: 77,4°

Cut off angle 2.5%: 91,3°

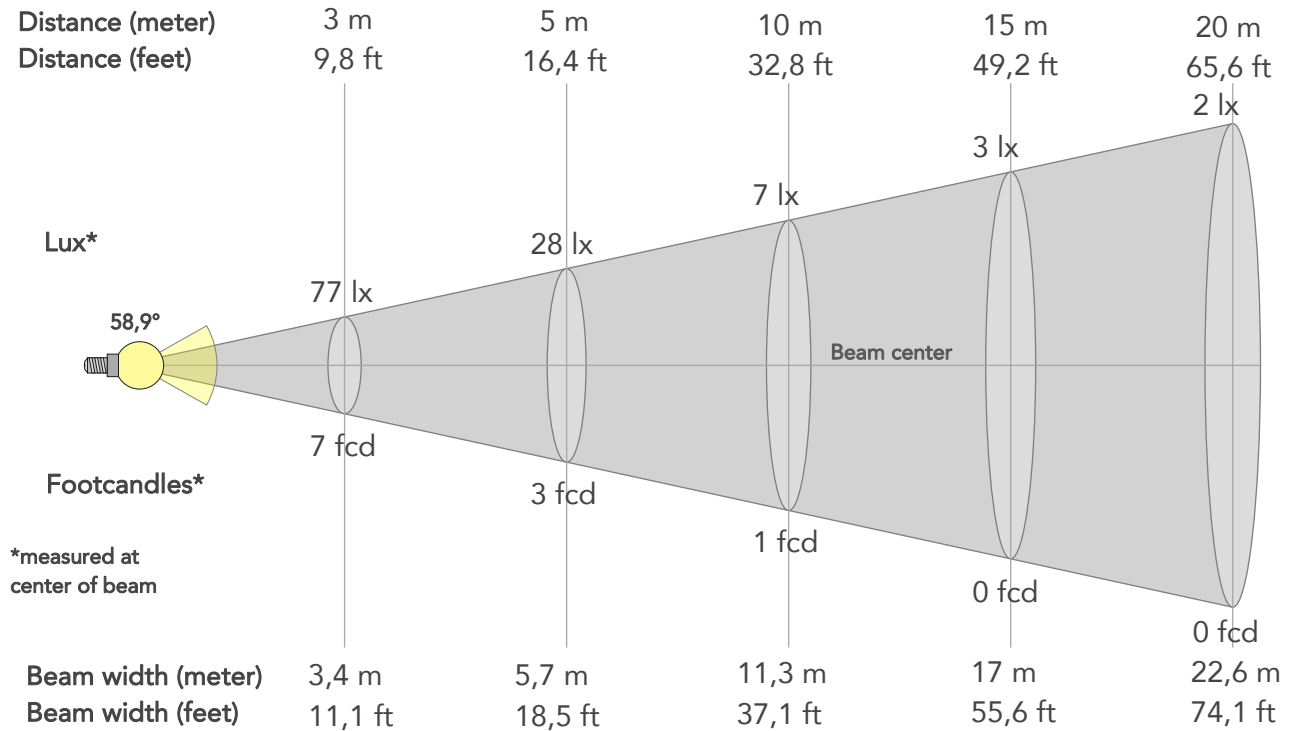
Spectra



BEAM DETAILS



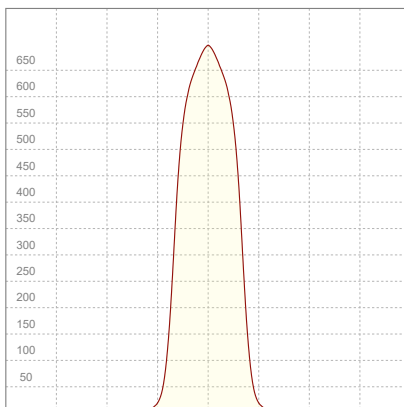
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,9°	77,4°	91,3°	99,0%	97,1%



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	697lx	174lx	77lx	44lx	28lx	12lx	7lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	65fcd	16fcd	7fcd	4fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,3m	3,4m	4,5m	5,7m	8,5m	11,3m	17m	22,6m	28,3m	33,9m	45,2m	56,5m
Beam wid.	3,7ft	7,5ft	11,1ft	14,8ft	18,5ft	27,8ft	37,1ft	55,6ft	74,1ft	92,7ft	111,2ft	148,3ft	185,4ft

LINEAR DISTRIBUTION DIAGRAM

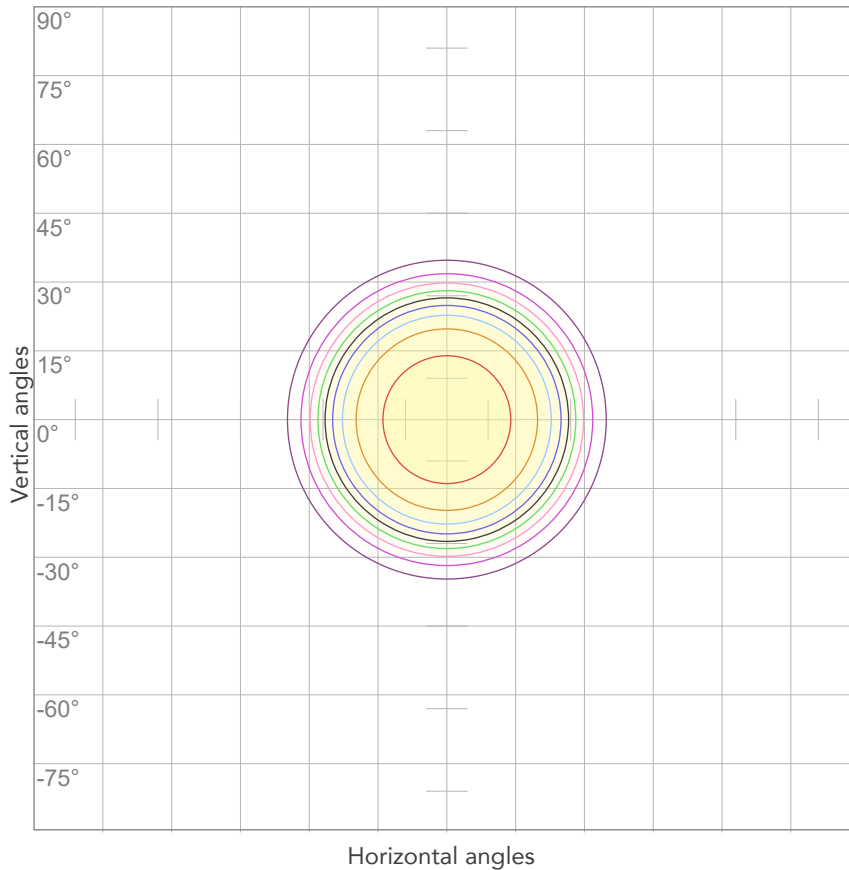


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,109A	19,5W	0,79	30lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



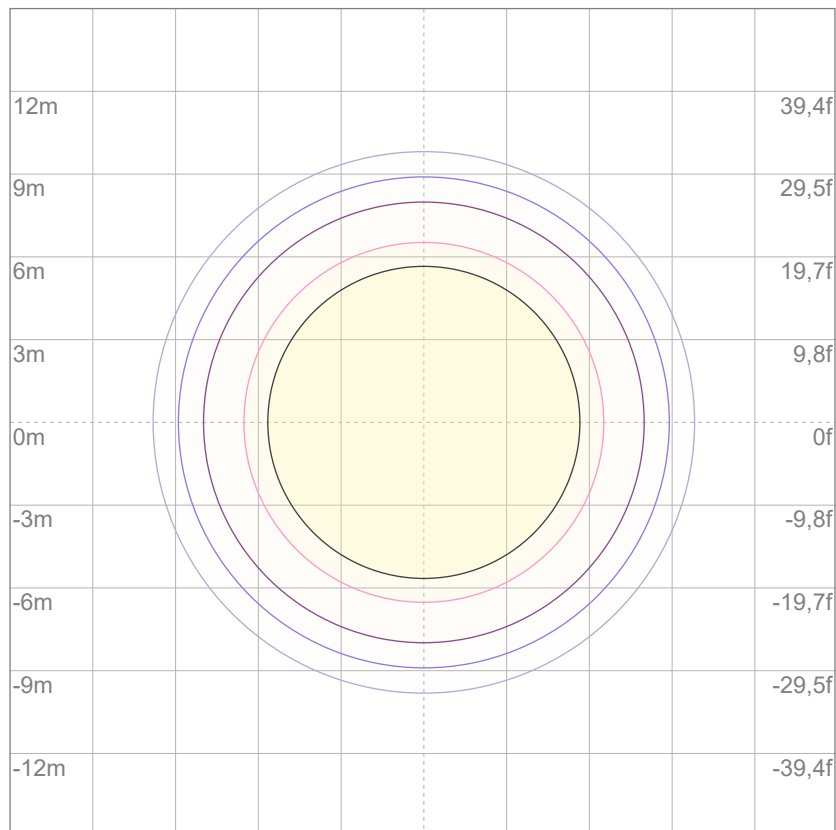
10%	70 cd
20%	139 cd
30%	209 cd
40%	279 cd
50%	349 cd
60%	418 cd
70%	488 cd
80%	558 cd

Conditions:

Number of c-planes: 2

Candela at center: 697 cd

ISO LUX DIAGRAM



3%	0,209 lx
5%	0,349 lx
10%	0,697 lx
30%	2,09 lx
50%	3,49 lx

Conditions:

Number of c-planes: 2

Lux at center: 6,97 lx

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



Total lumen output:

426 lm

Peak candela output:

1849 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 25-50 Lens - Min Zoom

Target:

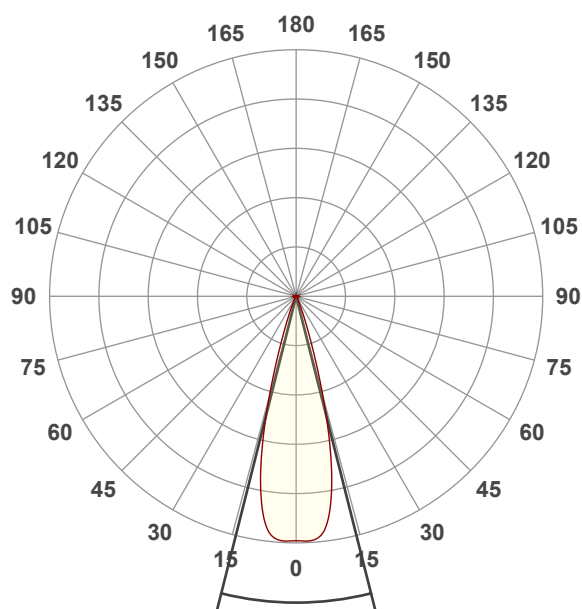
Lime

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 09:41:52

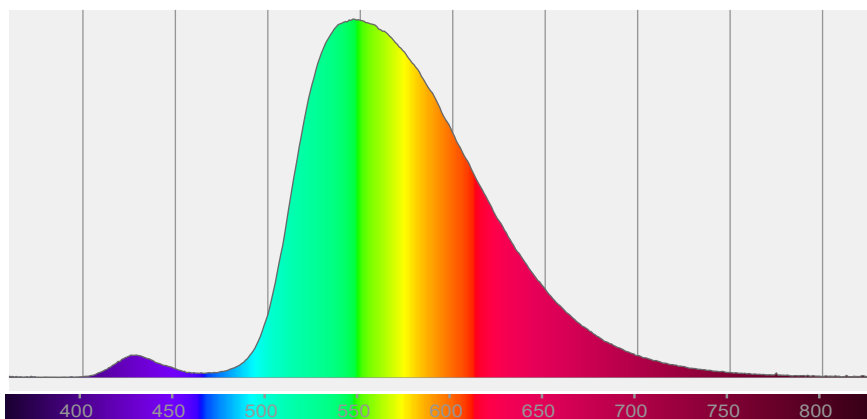


Beam angle 50%: 28,3°

Field angle 10%: 40,9°

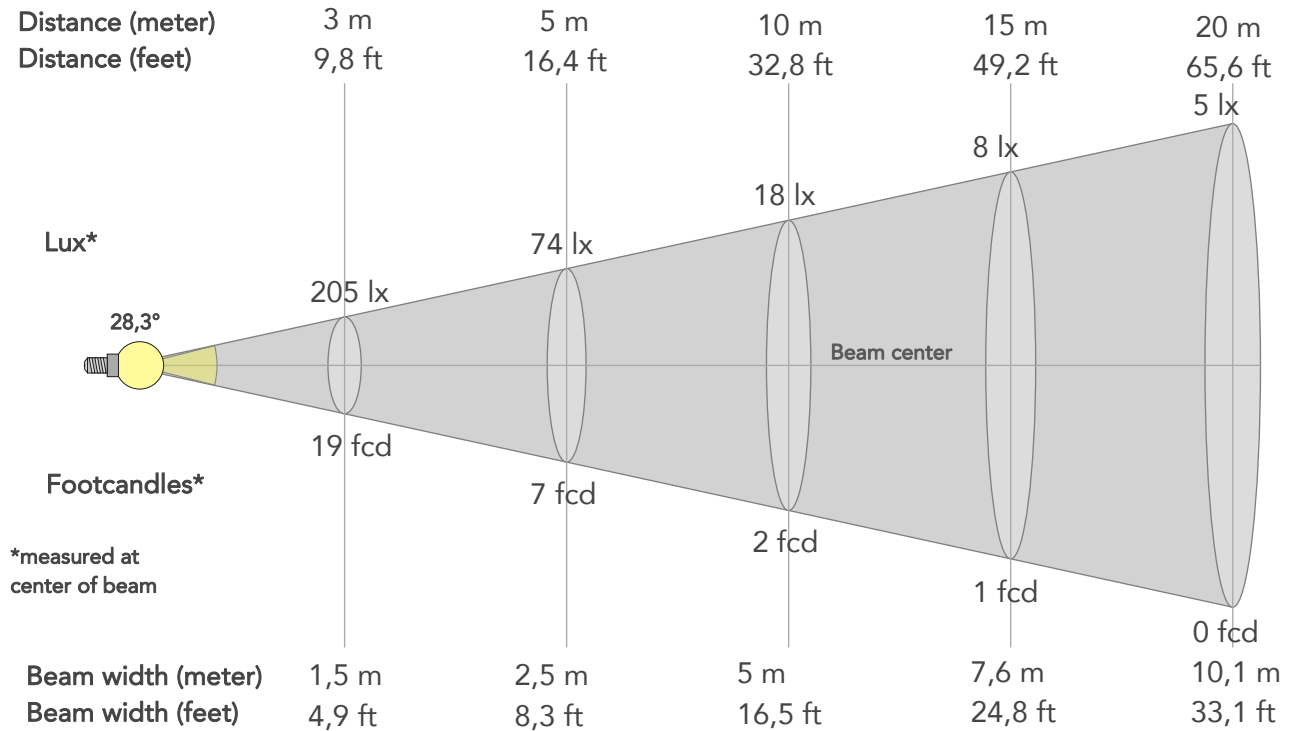
Cut off angle 2.5%: 52,2°

Spectra



BEAM DETAILS

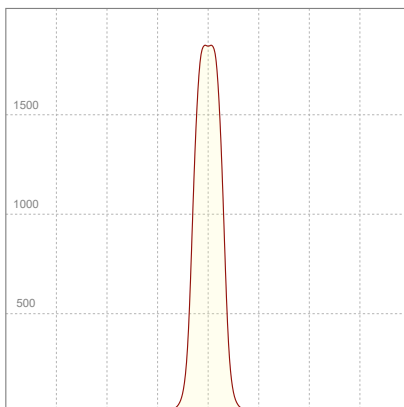
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
28,3°	40,9°	52,2°	98,9%	97,9%



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	1845lx	461lx	205lx	115lx	74lx	33lx	18lx	8lx	5lx	3lx	2lx	1lx	1lx
Footcand.	171fcd	43fcd	19fcd	11fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,5m	2m	2,5m	3,8m	5m	7,6m	10,1m	12,6m	15,1m	20,2m	25,2m
Beam wid.	1,7ft	3,3ft	4,9ft	6,6ft	8,3ft	12,4ft	16,5ft	24,8ft	33,1ft	41,4ft	49,6ft	66,2ft	82,7ft

LINEAR DISTRIBUTION DIAGRAM

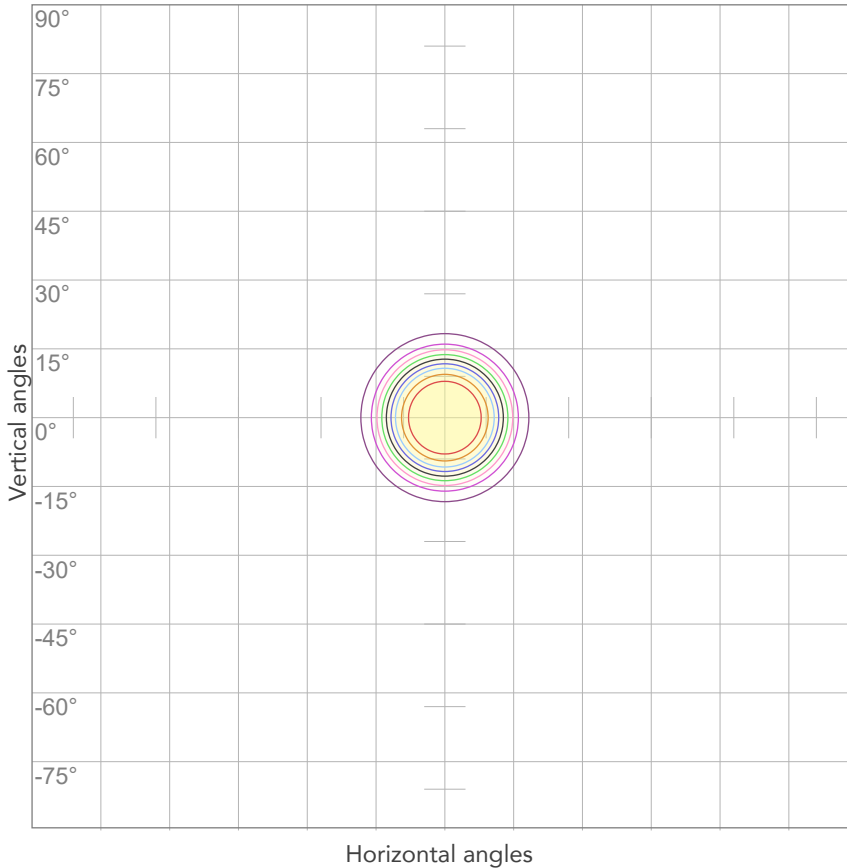


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,108A	19,5W	0,79	22lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



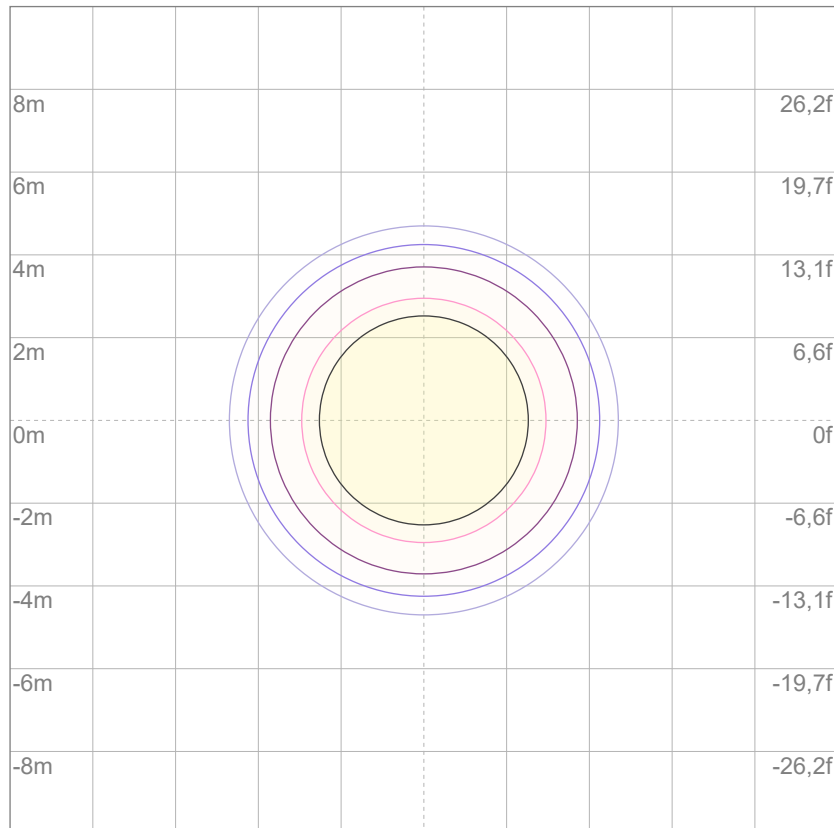
10%	185 cd
20%	369 cd
30%	554 cd
40%	738 cd
50%	923 cd
60%	1107 cd
70%	1292 cd
80%	1476 cd

Conditions:

Number of c-planes: 2

Candela at center: 1845 cd

ISO LUX DIAGRAM



3%	0,554 lx
5%	0,923 lx
10%	1,85 lx
30%	5,54 lx
50%	9,23 lx

Conditions:

Number of c-planes: 2

Lux at center: 18,5 lx

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



Total lumen output:

590 lm

Peak candela output:

704 cd

Light quality:

CRI: 84,4

Color temperature:

2970 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 25-50 Lens - Max Zoom

Target:

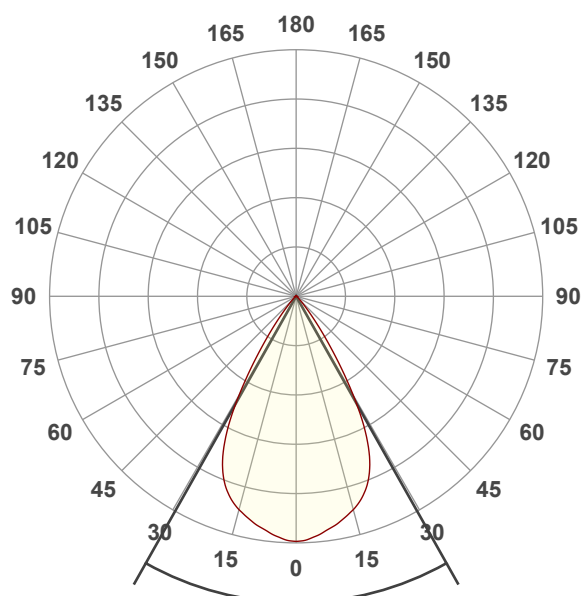
2800K

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 17:11:32

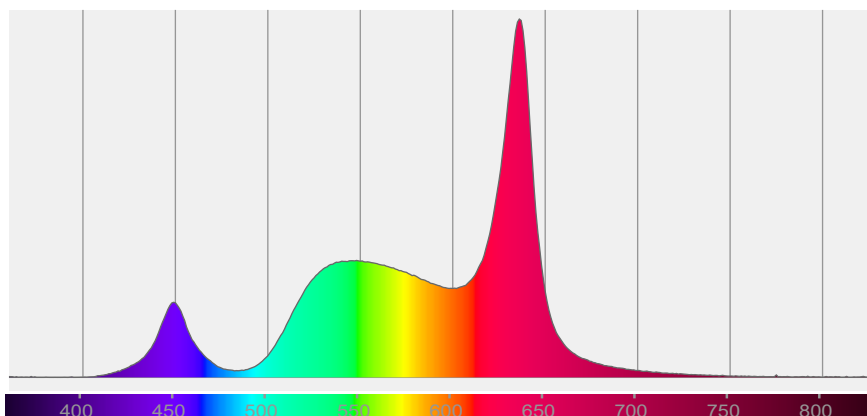


Beam angle 50%: 58,8°

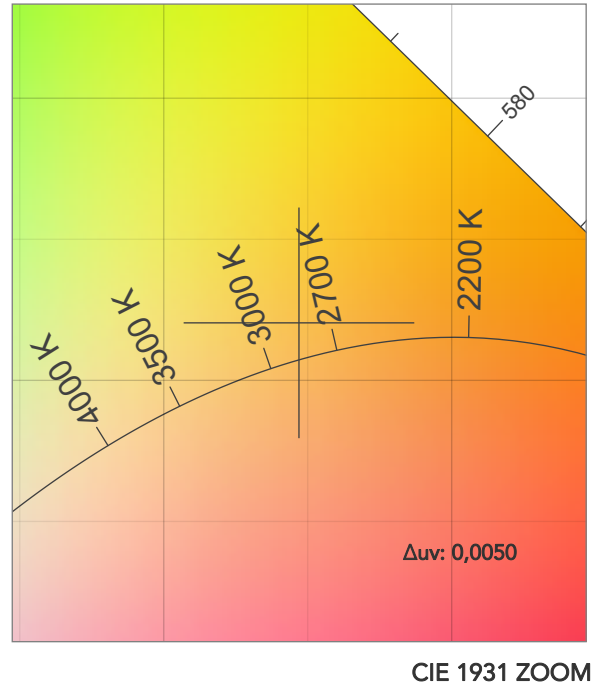
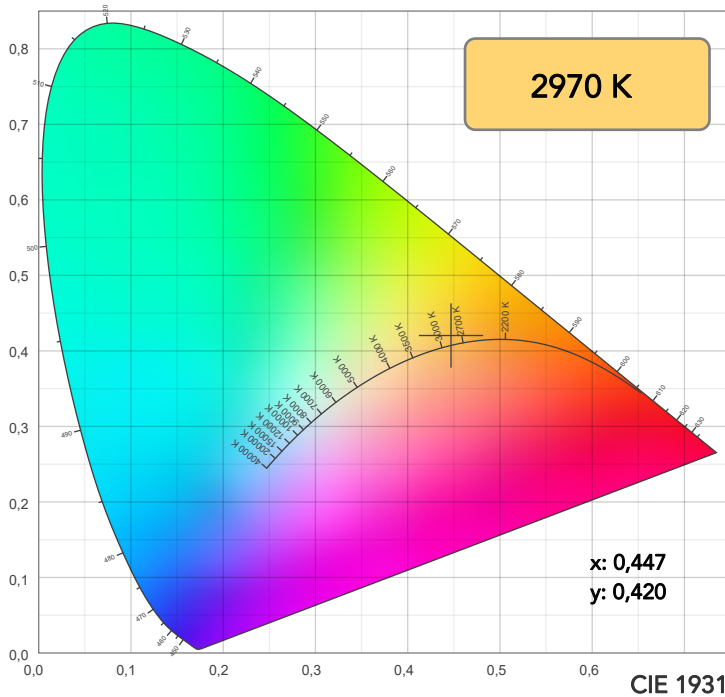
Field angle 10%: 77,3°

Cut off angle 2.5%: 91,1°

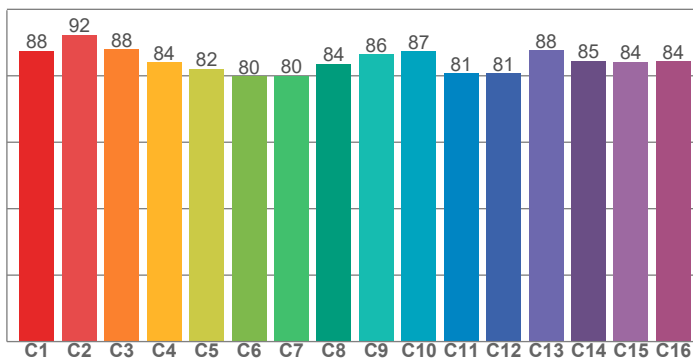
Spectra



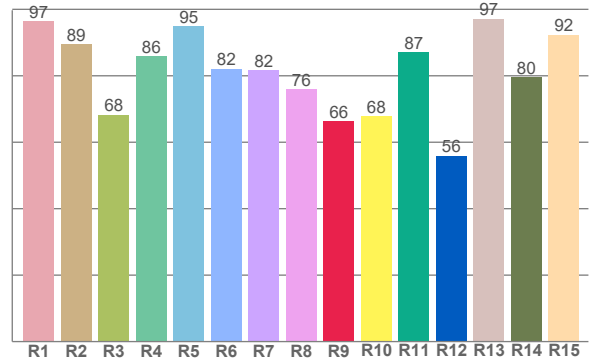
COLOR DETAILS



TM30: 85,0



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
96,5	89,4	68,3	85,8	94,9	82,1	81,7	76,0	66,4	67,7	87,0	56,0	97,2	79,5	92,3

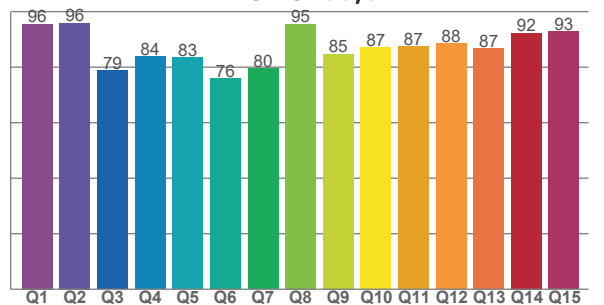
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
87,6	92,3	88,0	84,1	82,2	79,9	79,9	83,6	86,4	87,4	80,8	80,8	87,6	84,5	84,2	84,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,5	95,9	78,8	83,8	83,5	75,9	79,5	95,5	84,7	87,1	87,5	88,4	86,7	92,3	92,8

CQS: 85,6



COLOR PARAMETERS

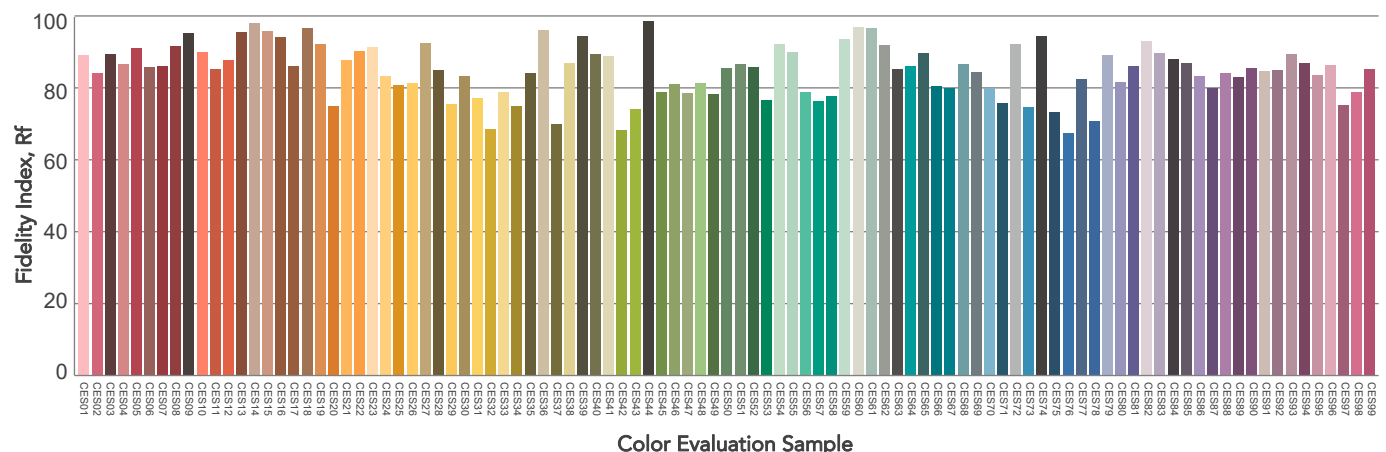
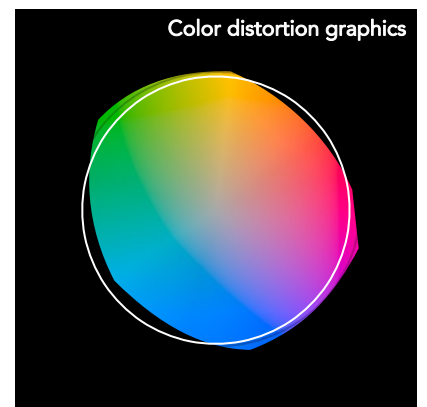
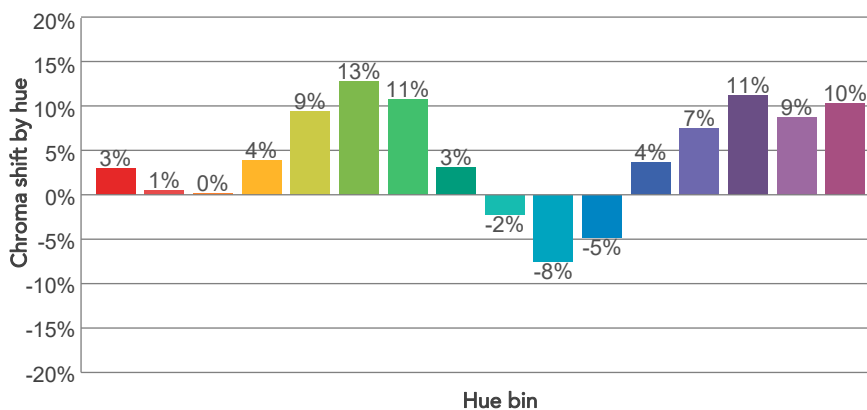
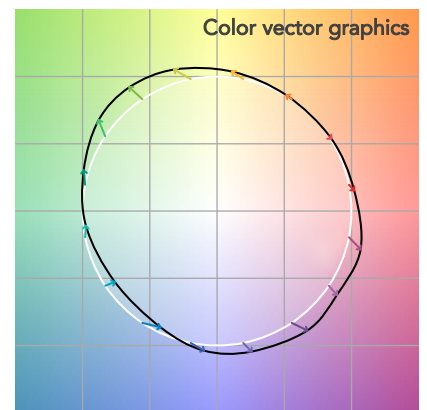
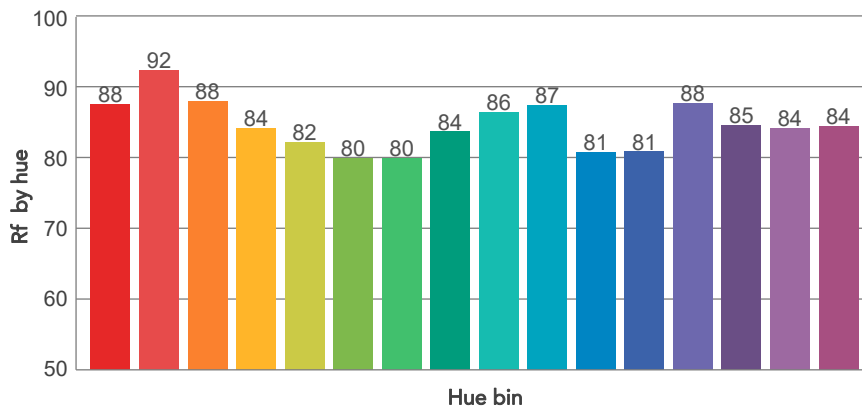
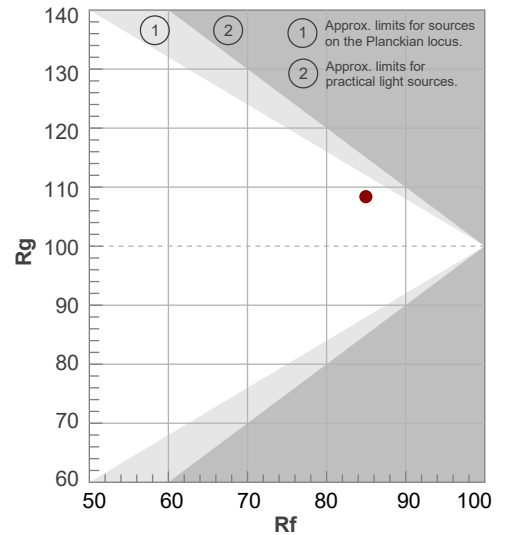
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2970 K	84,4	66,4	85,0	108,4	85,6	72	0,447	0,420	0,0050

TM30 DETAILS

Rf 85,0
Fidelity index Rf

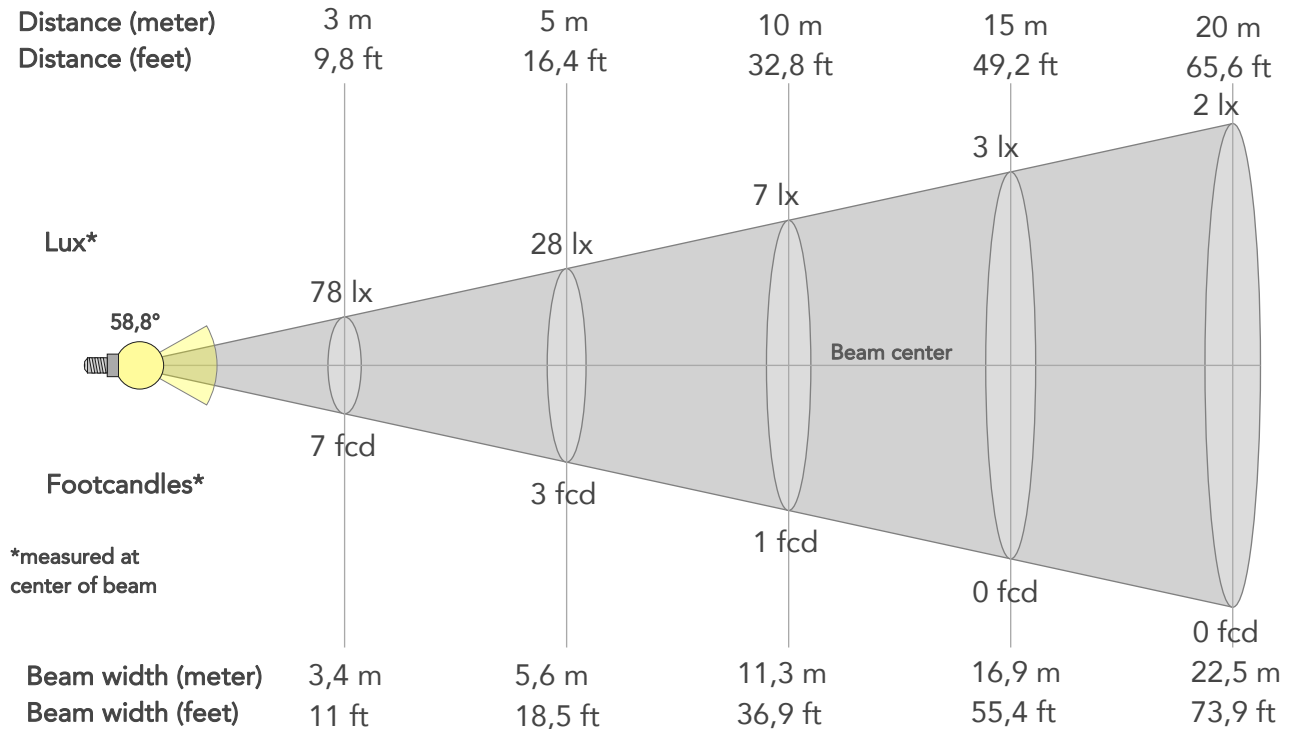
Rg 108,4
Gammut index

		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	88	3%	-5%
2	92	1%	-2%
3	88	0%	5%
4	84	4%	9%
5	82	9%	11%
6	80	13%	3%
7	80	11%	-7%
8	84	3%	-10%
9	86	-2%	-8%
10	87	-8%	2%
11	81	-5%	13%
12	81	4%	11%
13	88	7%	5%
14	85	11%	6%
15	84	9%	-2%
16	84	10%	-7%



BEAM DETAILS

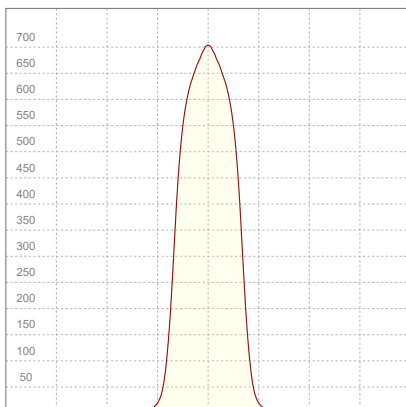
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,8°	77,3°	91,1°	99,0%	97,2%



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	704lx	176lx	78lx	44lx	28lx	13lx	7lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	65fcd	16fcd	7fcd	4fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,3m	3,4m	4,5m	5,6m	8,4m	11,3m	16,9m	22,5m	28,2m	33,8m	45,1m	56,3m
Beam wid.	3,7ft	7,4ft	11ft	14,8ft	18,5ft	27,7ft	36,9ft	55,4ft	73,9ft	92,4ft	110,8ft	147,8ft	184,7ft

LINEAR DISTRIBUTION DIAGRAM

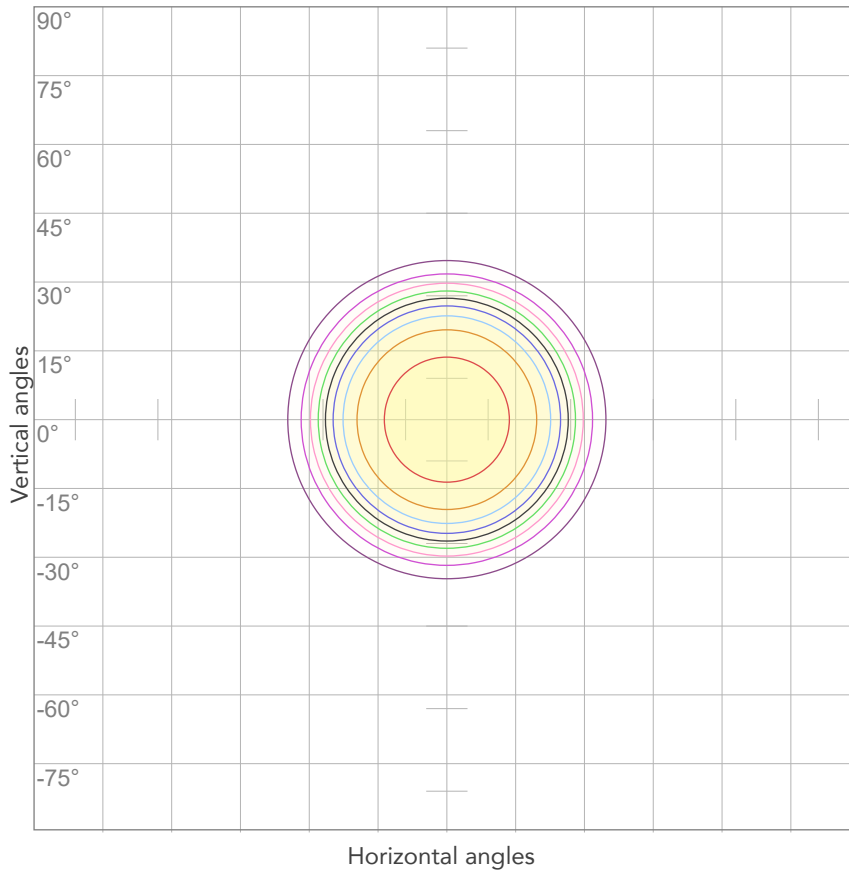


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,137A	23,1W	0,75	26lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



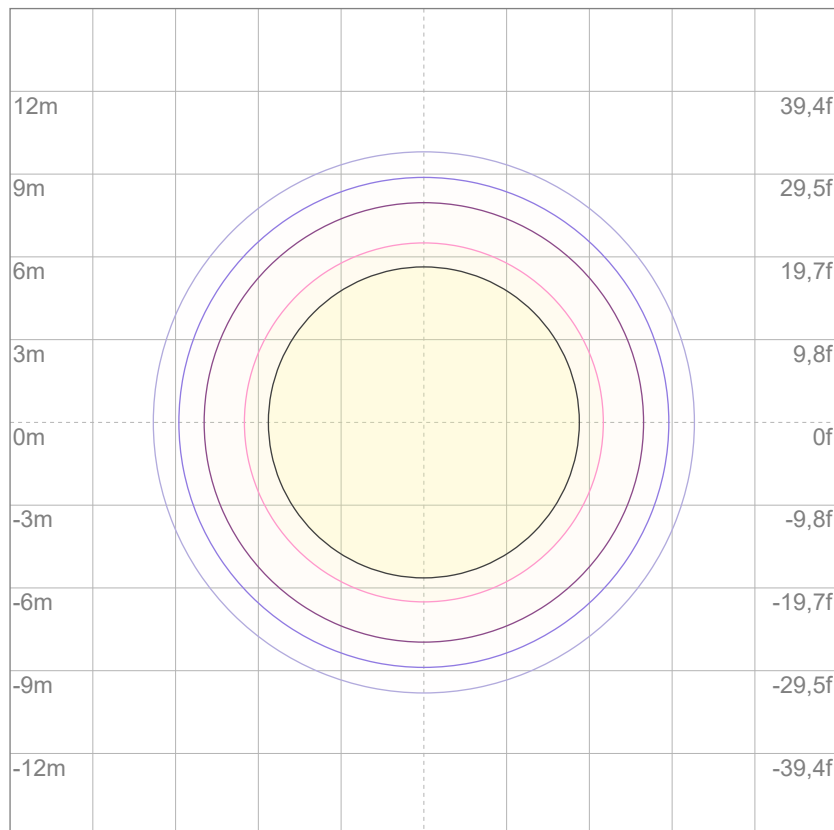
10%	70 cd
20%	141 cd
30%	211 cd
40%	281 cd
50%	352 cd
60%	422 cd
70%	493 cd
80%	563 cd

Conditions:

Number of c-planes: 2

Candela at center: 704 cd

ISO LUX DIAGRAM



3%	0,211 lx
5%	0,352 lx
10%	0,704 lx
30%	2,11 lx
50%	3,52 lx

Conditions:

Number of c-planes: 2

Lux at center: 7,04 lx

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



Total lumen output:

432 lm

Peak candela output:

1866 cd

Light quality:

CRI: 84,4

Color temperature:

2914 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 25-50 Lens - Min Zoom

Target:

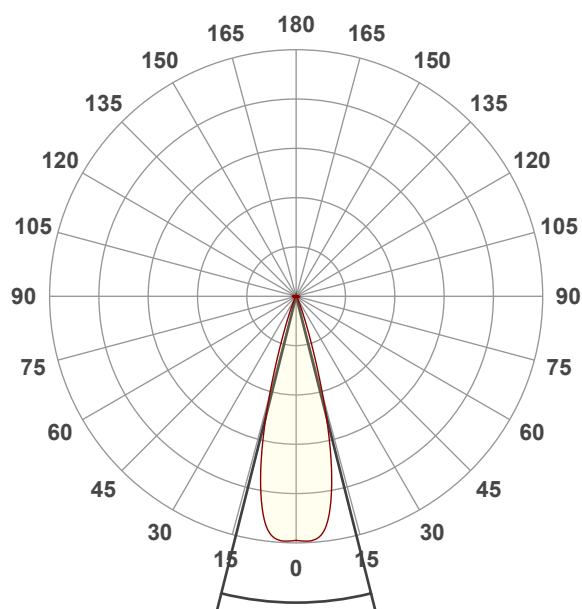
2800K

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 09:27:51

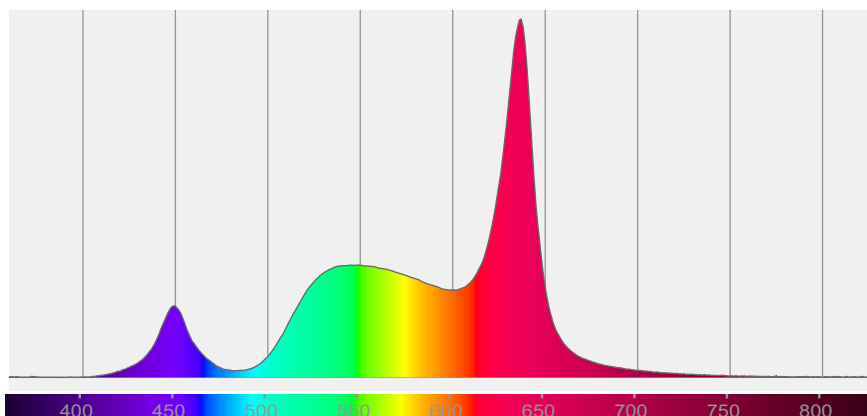


Beam angle 50%: 28,3°

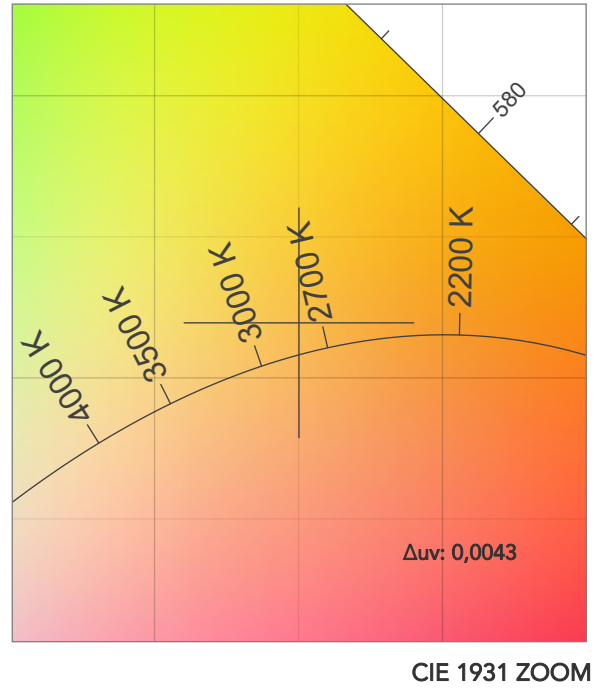
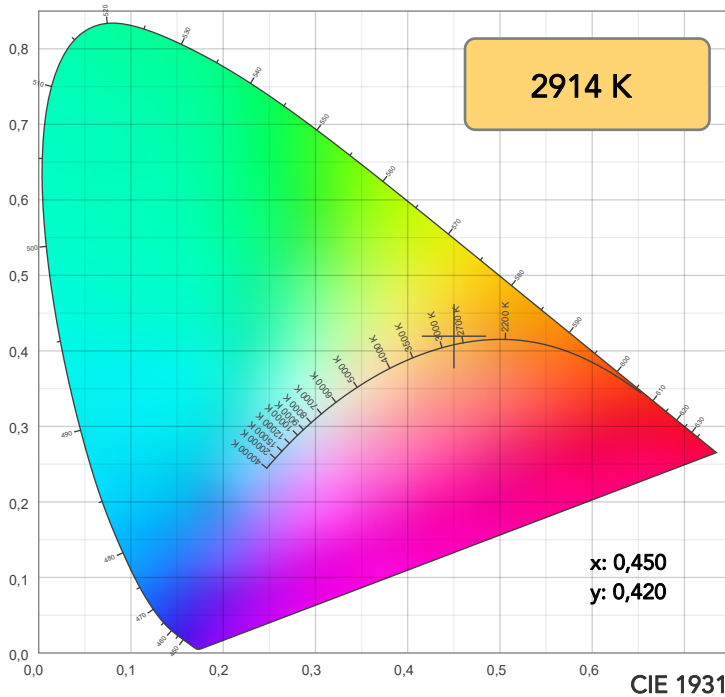
Field angle 10%: 40,9°

Cut off angle 2.5%: 52,1°

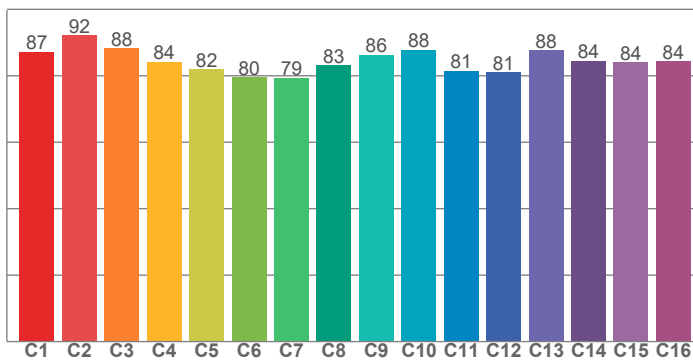
Spectra



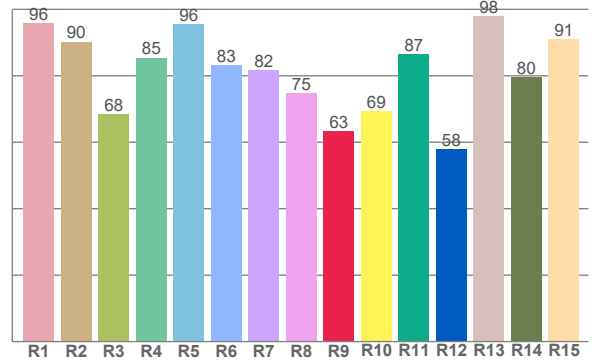
COLOR DETAILS



TM30: 85,0



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
95,7	90,2	68,4	85,4	95,6	83,1	81,6	74,8	63,4	69,4	86,6	57,8	98,0	79,5	91,1

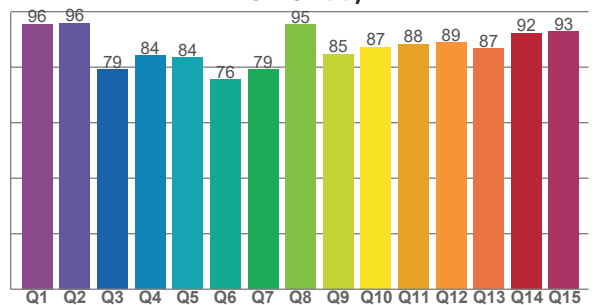
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
87,2	92,1	88,2	84,2	82,0	79,5	79,4	83,2	86,3	87,8	81,5	81,1	87,7	84,5	84,0	84,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,6	95,8	79,2	84,2	83,6	75,6	79,1	95,3	84,8	87,3	88,3	88,9	86,8	92,3	92,8

CQS: 85,7



COLOR PARAMETERS

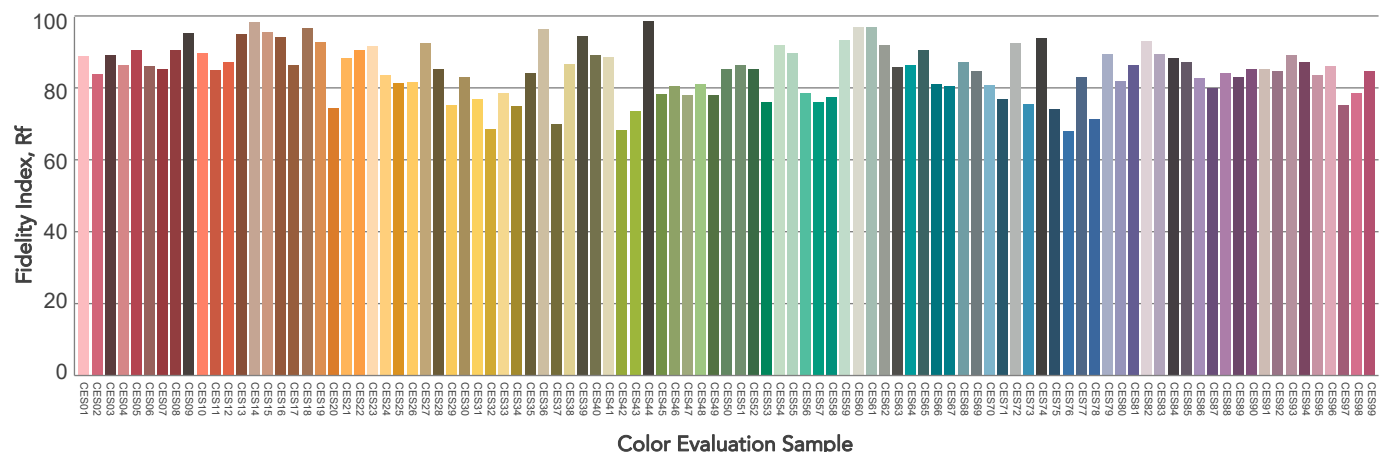
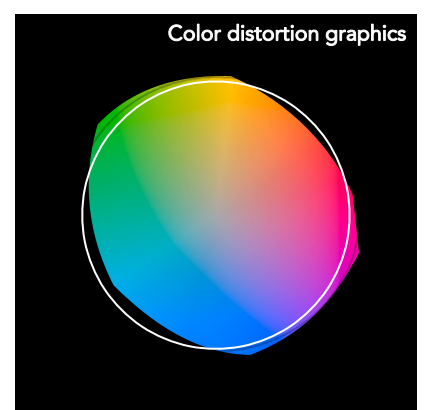
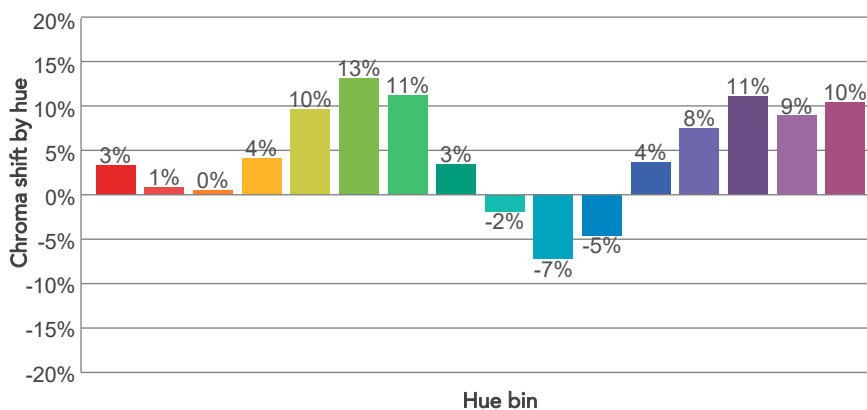
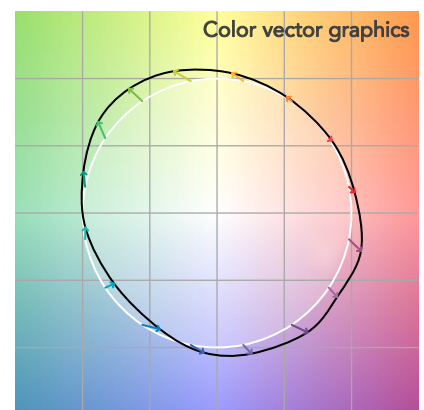
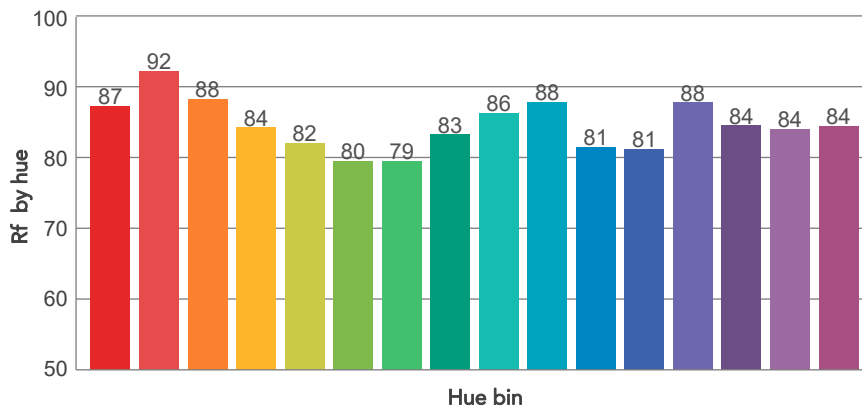
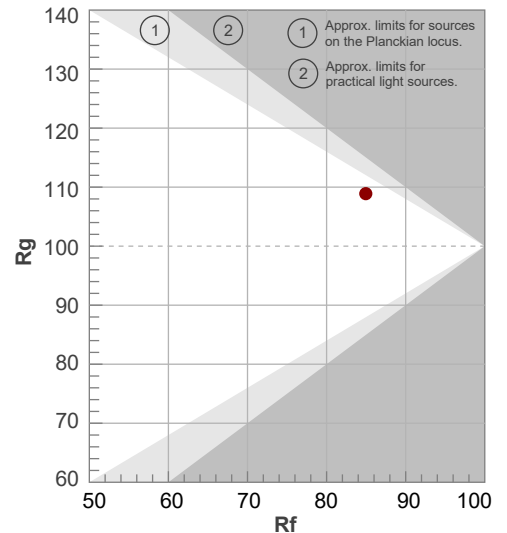
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2914 K	84,4	63,4	85,0	108,9	85,7	72	0,450	0,420	0,0043

TM30 DETAILS

Rf 85,0
Fidelity index Rf

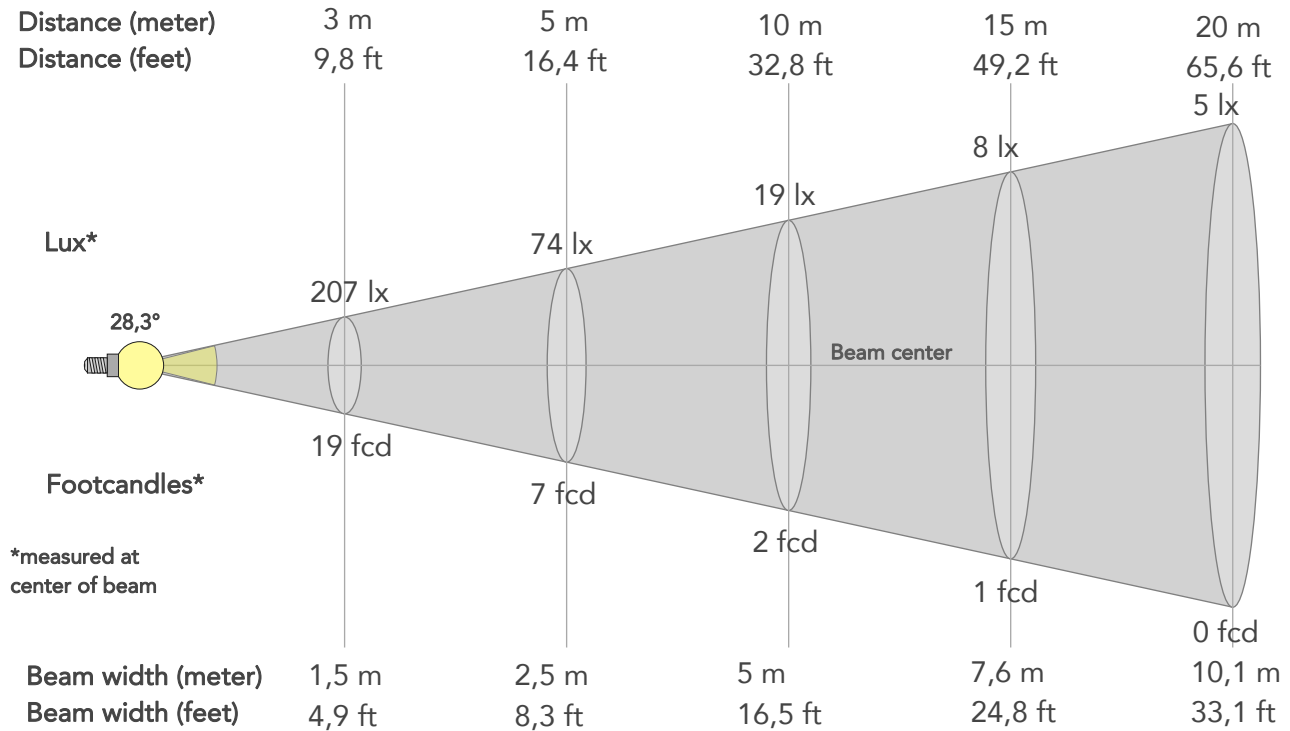
Rg 108,9
Gammut index

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



BEAM DETAILS

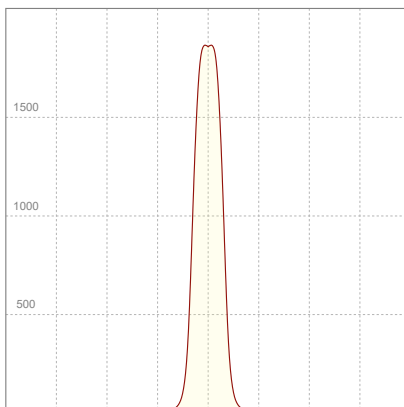
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
28,3°	40,9°	52,1°	98,6%	97,4%



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	1859lx	465lx	207lx	116lx	74lx	33lx	19lx	8lx	5lx	3lx	2lx	1lx	1lx
Footcand.	173fcd	43fcd	19fcd	11fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,5m	2m	2,5m	3,8m	5m	7,6m	10,1m	12,6m	15,1m	20,2m	25,2m
Beam wid.	1,7ft	3,3ft	4,9ft	6,6ft	8,3ft	12,4ft	16,5ft	24,8ft	33,1ft	41,3ft	49,6ft	66,1ft	82,7ft

LINEAR DISTRIBUTION DIAGRAM

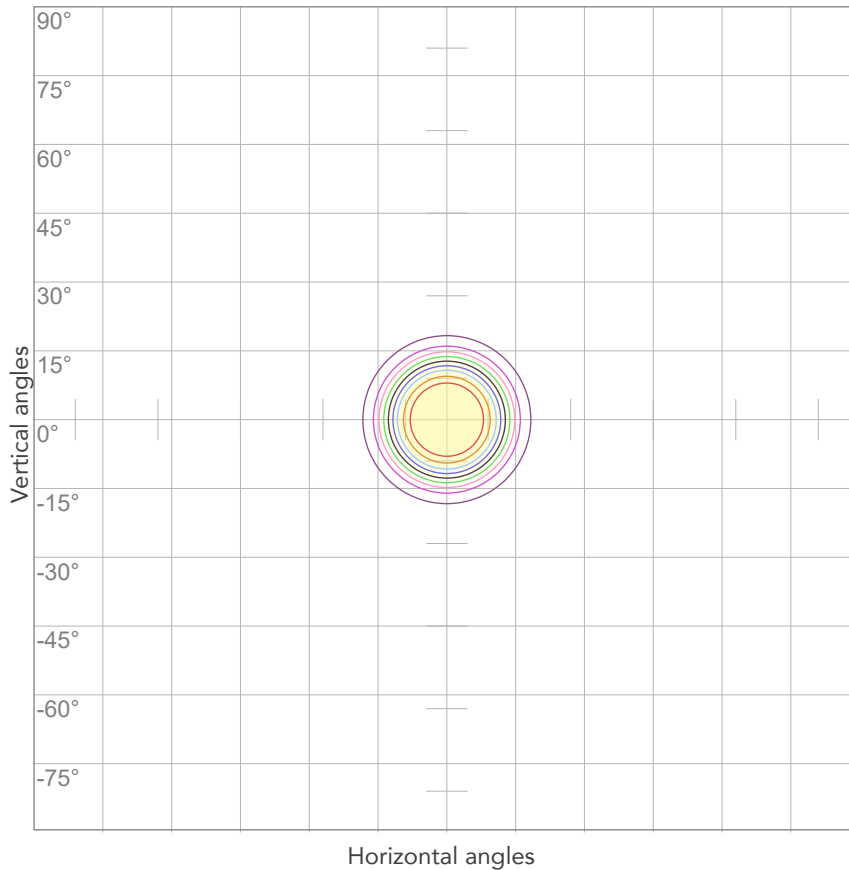


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,123A	23,3W	0,83	19lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



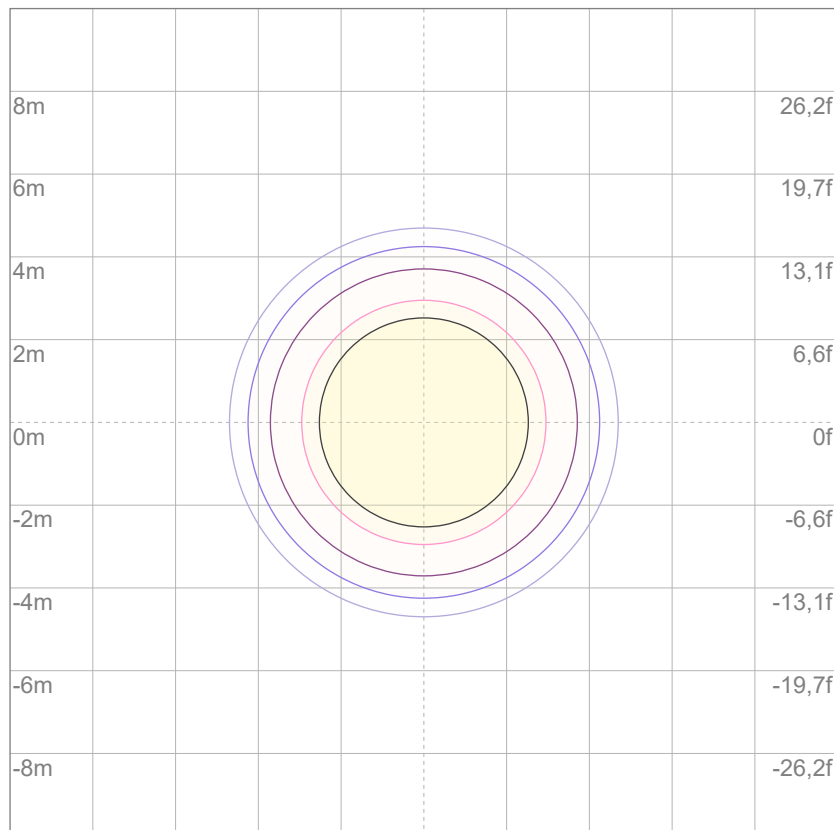
10%	186 cd
20%	372 cd
30%	558 cd
40%	743 cd
50%	929 cd
60%	1115 cd
70%	1301 cd
80%	1487 cd

Conditions:

Number of c-planes: 2

Candela at center: 1859 cd

ISO LUX DIAGRAM



3%	0,558 lx
5%	0,929 lx
10%	1,86 lx
30%	5,58 lx
50%	9,29 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:

652 lm

Peak candela output:

780 cd

Light quality:

CRI: 84,0

Color temperature:

3213 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 25-50 Lens - Max Zoom

Target:

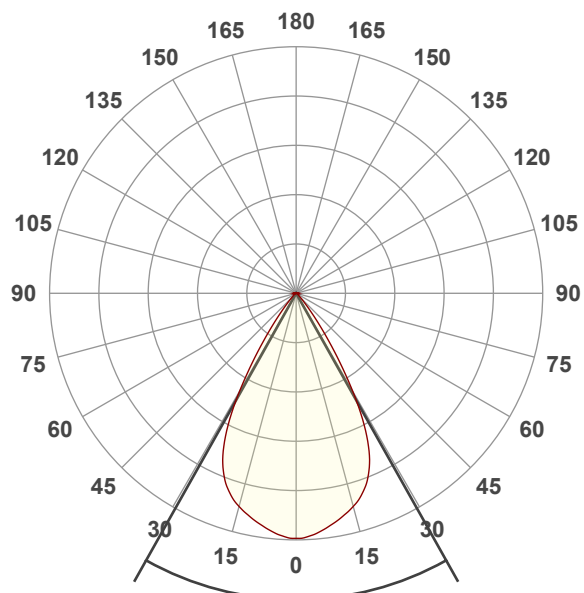
3200K

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 17:26:35

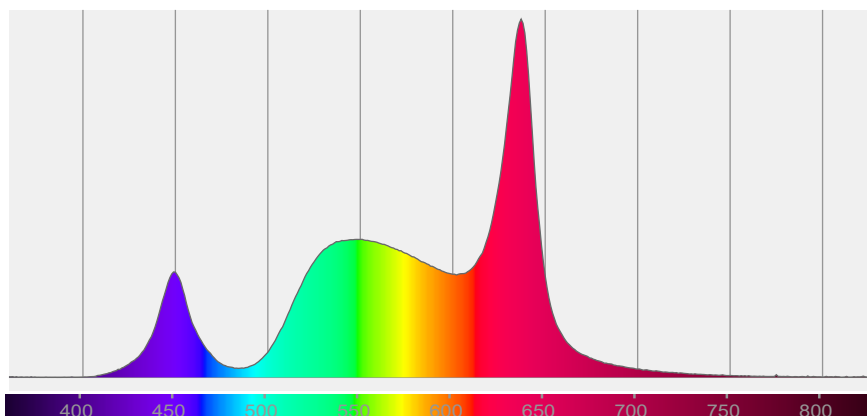


Beam angle 50%: 58,6°

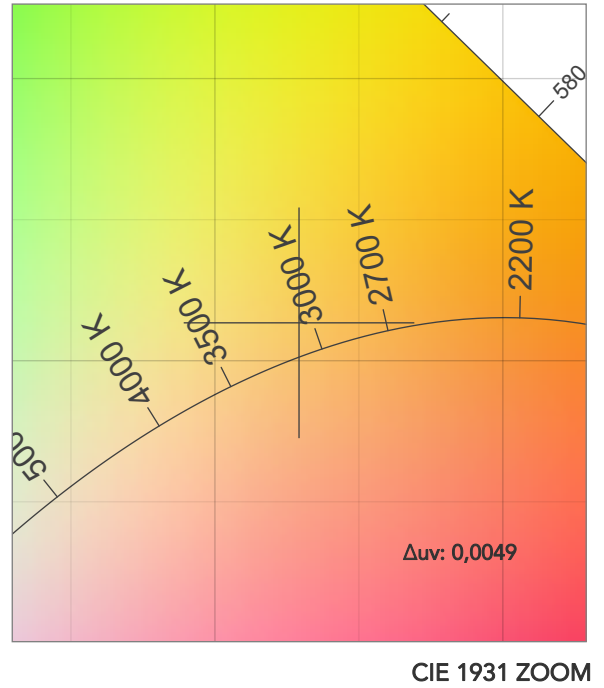
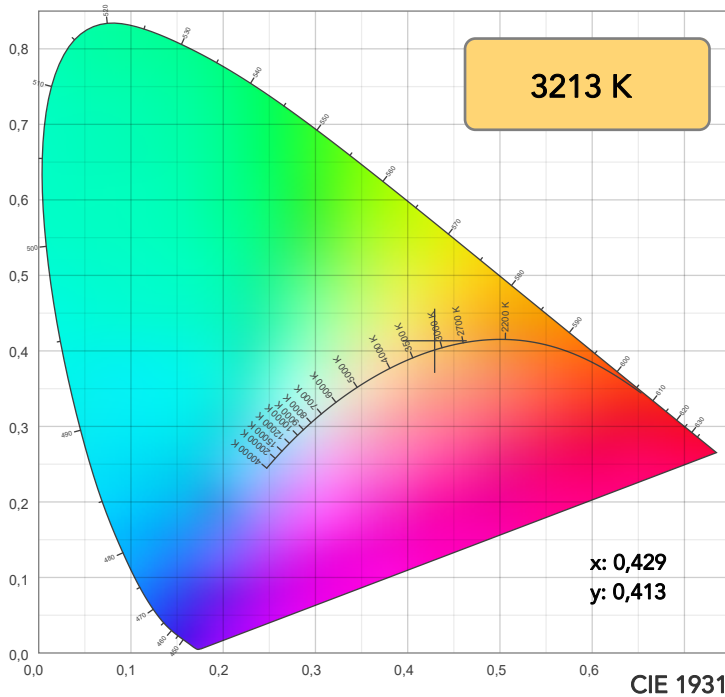
Field angle 10%: 77,2°

Cut off angle 2.5%: 91,3°

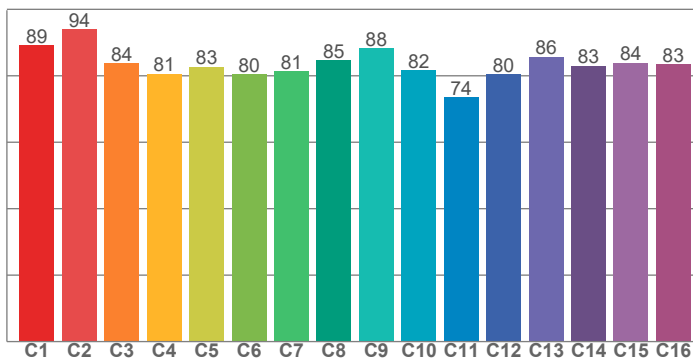
Spectra



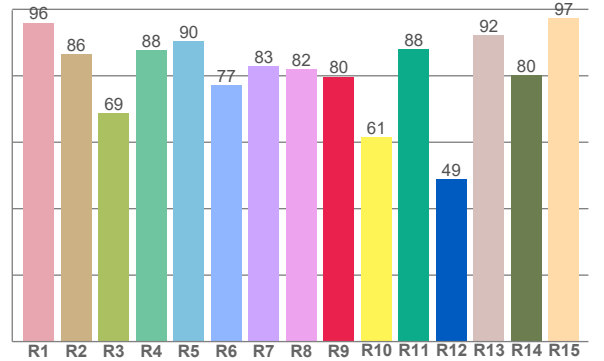
COLOR DETAILS



TM30: 83,8



CRI: 84,0 (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
96,0	86,5	68,7	87,8	90,5	77,3	82,9	82,1	79,7	61,4	88,0	48,9	92,3	80,2	97,5

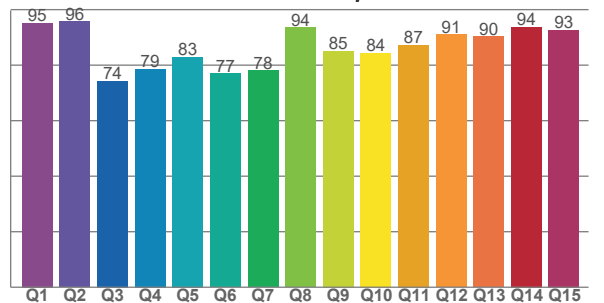
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,2	94,0	83,7	80,6	82,7	80,5	81,3	84,7	88,3	81,6	73,5	80,5	85,8	83,0	83,9	83,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,2	95,7	74,3	78,7	82,9	77,1	78,1	93,6	85,0	84,3	87,3	91,1	90,4	93,7	92,7

CQS: 84,8



COLOR PARAMETERS

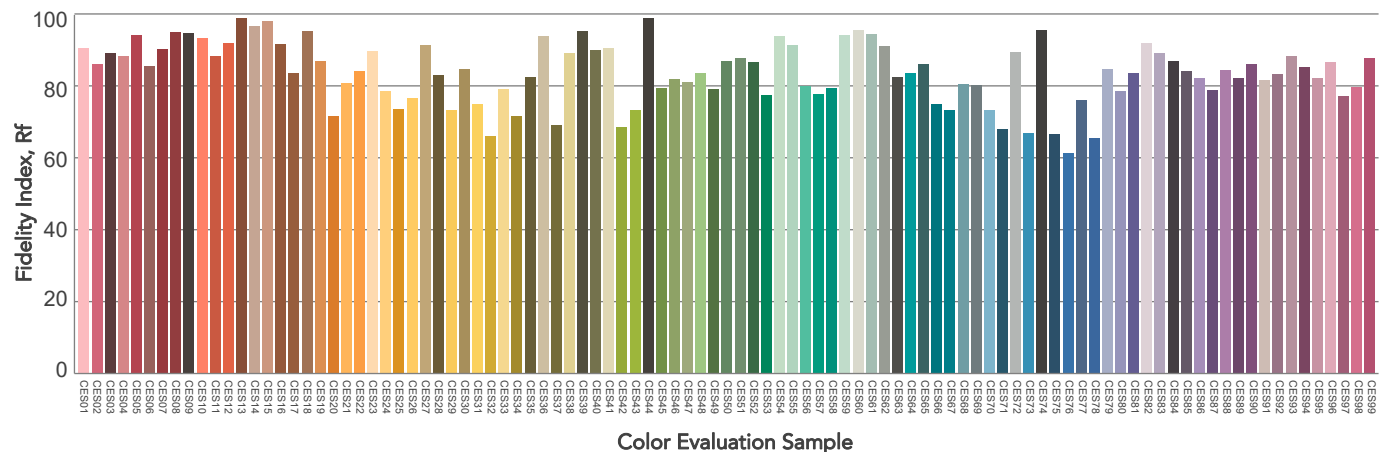
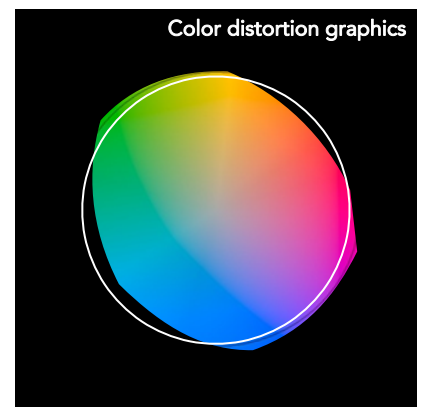
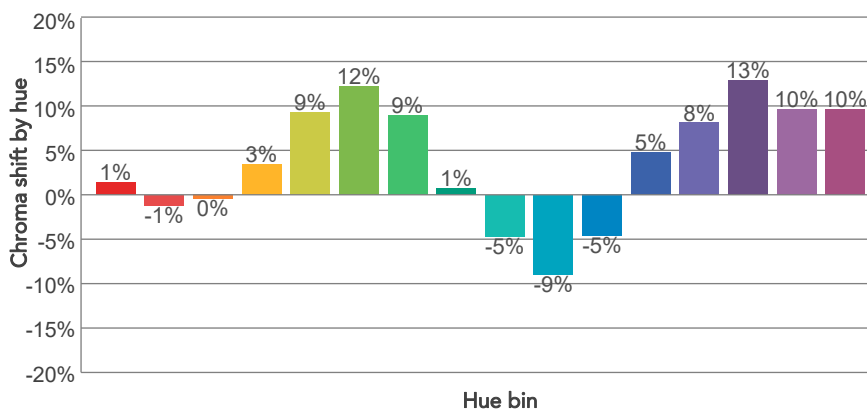
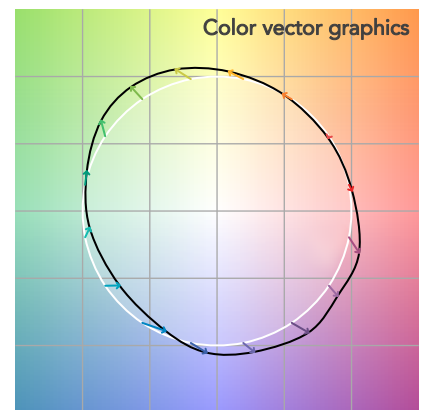
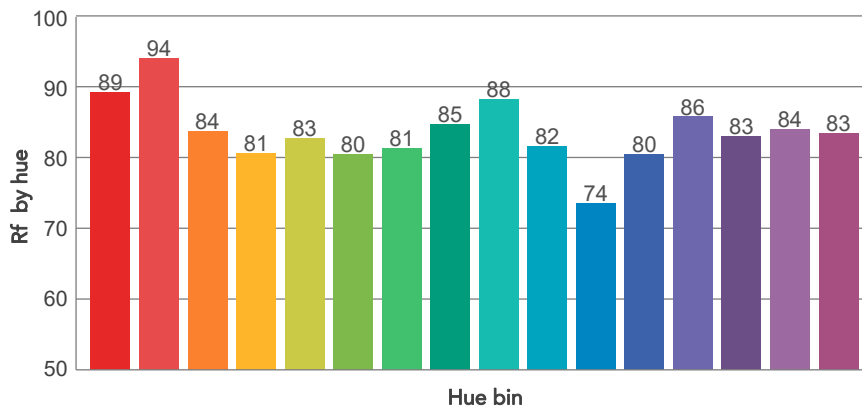
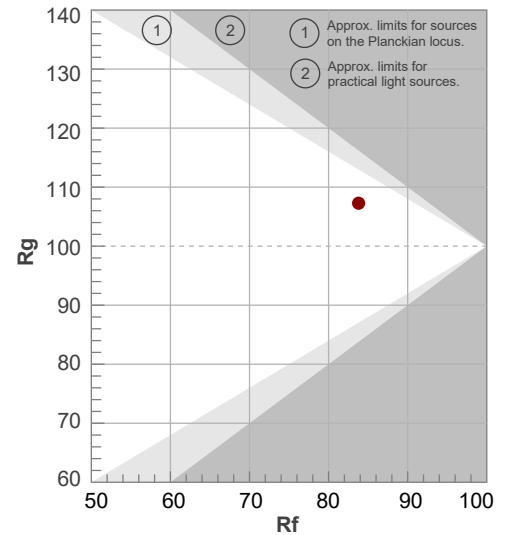
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3213 K	84,0	79,7	83,8	107,3	84,8	73	0,429	0,413	0,0049

TM30 DETAILS

Rf 83,8
Fidelity index Rf

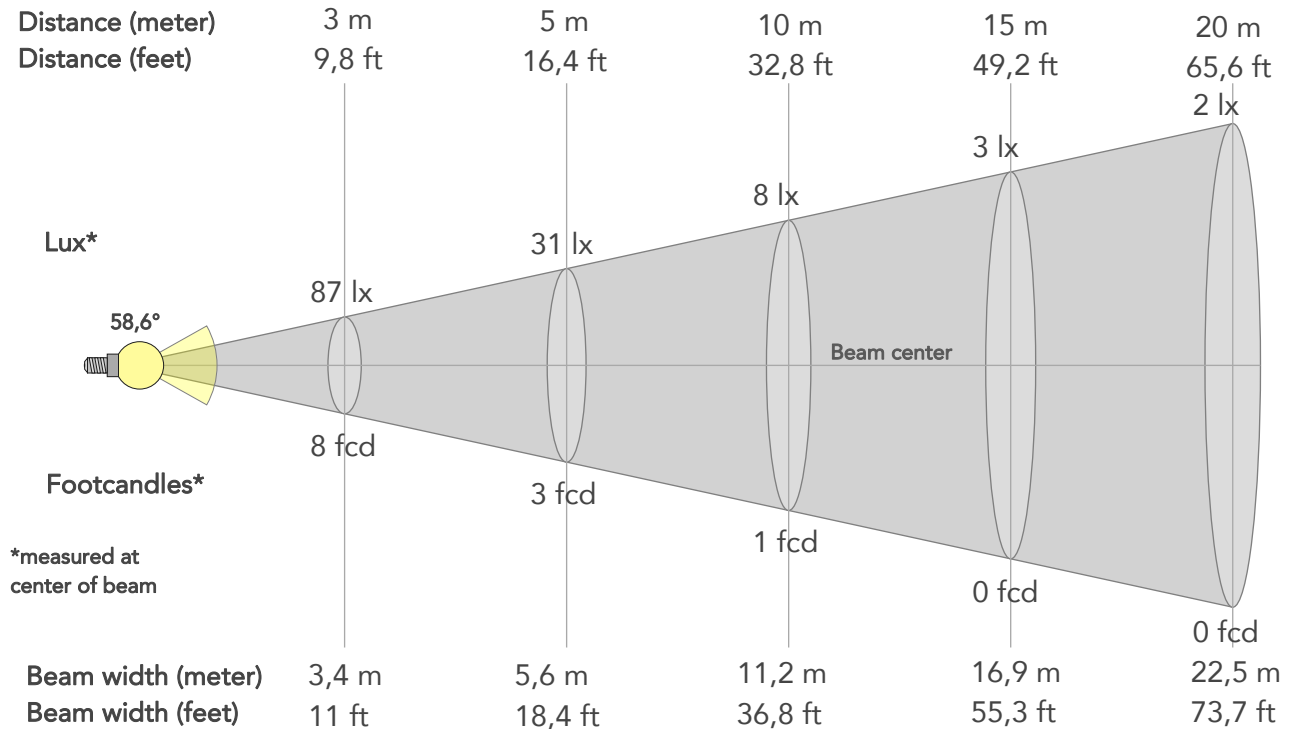
Rg 107,3
Gammut index

		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	89	1%	-5%
2	94	-1%	-1%
3	84	0%	8%
4	81	3%	12%
5	83	9%	10%
6	80	12%	2%
7	81	9%	-8%
8	85	1%	-10%
9	88	-5%	-6%
10	82	-9%	6%
11	74	-5%	18%
12	80	5%	13%
13	86	8%	7%
14	83	13%	6%
15	84	10%	-3%
16	83	10%	-10%



BEAM DETAILS

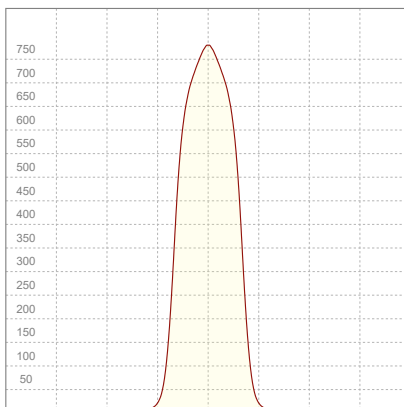
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,6°	77,2°	91,3°	99,1%	97,1%



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	780lx	195lx	87lx	49lx	31lx	14lx	8lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	72fcd	18fcd	8fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,4m	4,5m	5,6m	8,4m	11,2m	16,9m	22,5m	28,1m	33,7m	44,9m	56,2m
Beam wid.	3,7ft	7,4ft	11ft	14,7ft	18,4ft	27,6ft	36,8ft	55,3ft	73,7ft	92,1ft	110,5ft	147,4ft	184,2ft

LINEAR DISTRIBUTION DIAGRAM

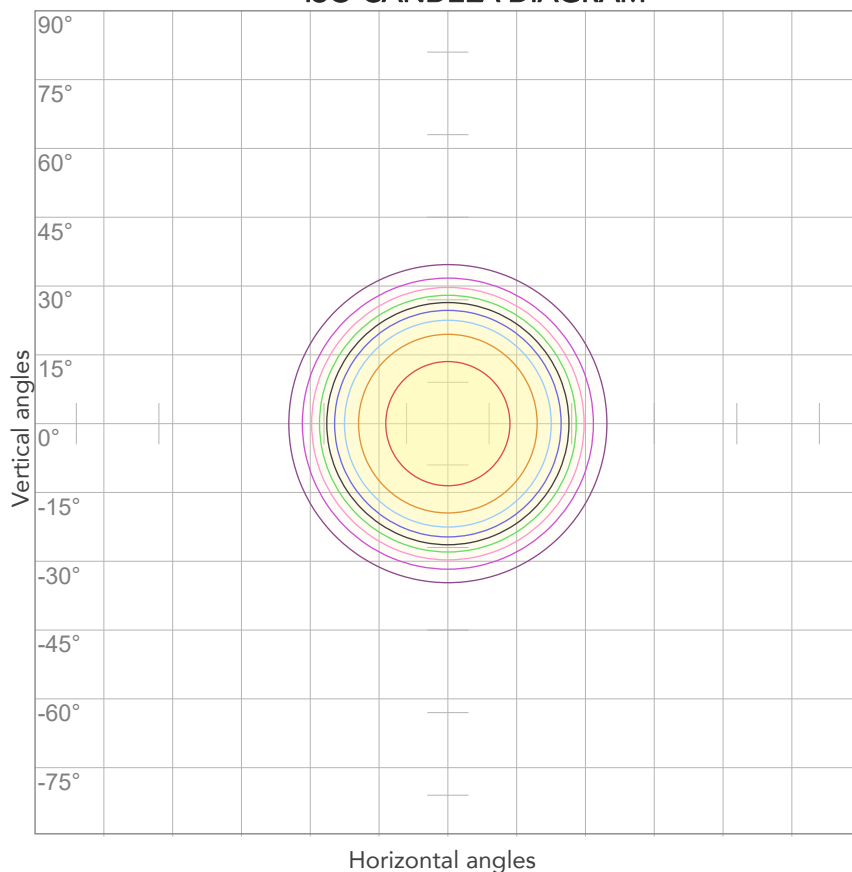


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,134A	25,8W	0,85	25lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



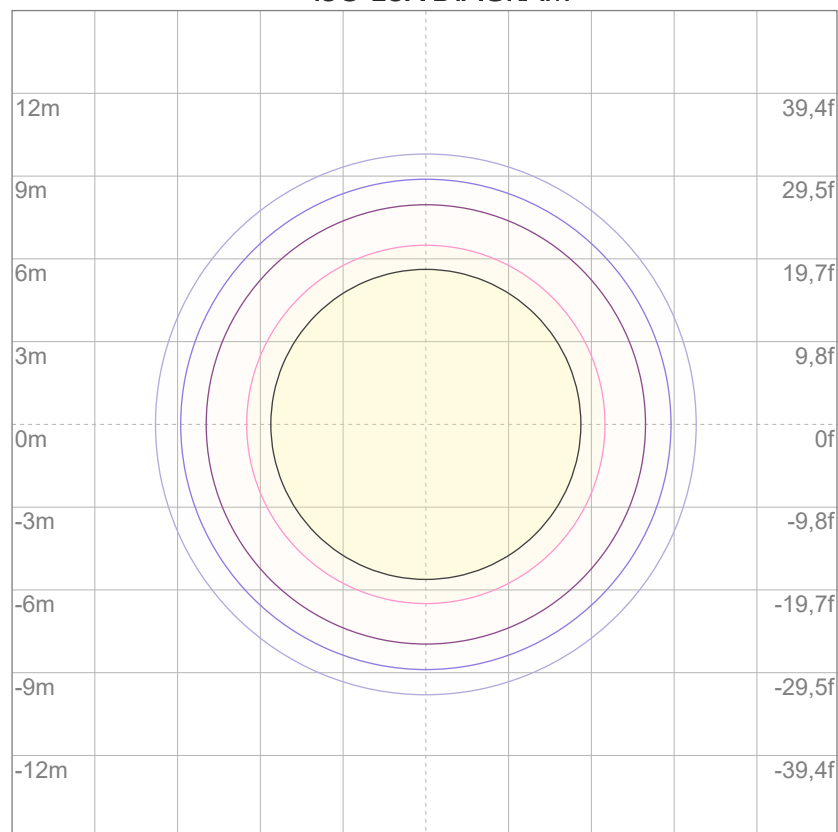
10%	78 cd
20%	156 cd
30%	234 cd
40%	312 cd
50%	390 cd
60%	468 cd
70%	546 cd
80%	624 cd

Conditions:

Number of c-planes: 2

Candela at center: 780 cd

ISO LUX DIAGRAM



3%	0,234 lx
5%	0,390 lx
10%	0,780 lx
30%	2,34 lx
50%	3,90 lx

Conditions:

Number of c-planes: 2

Lux at center: 7,80 lx

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



Total lumen output:

484 lm

Peak candela output:

2091 cd

Light quality:

CRI: 84,1

Color temperature:

3202 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 25-50 Lens - Min Zoom

Target:

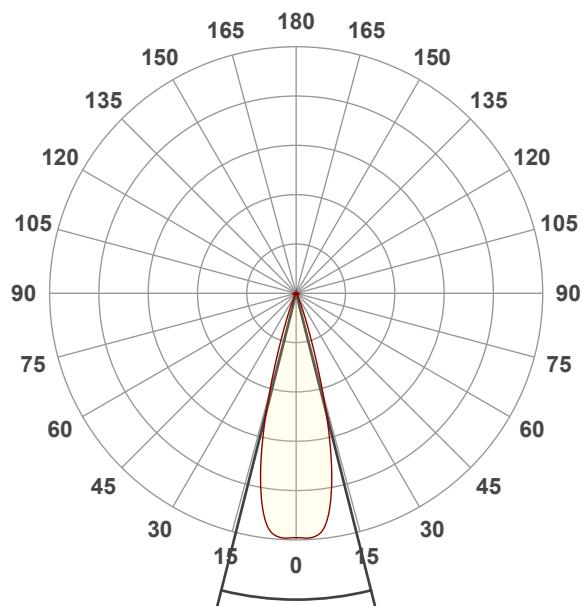
3200K

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 09:23:47

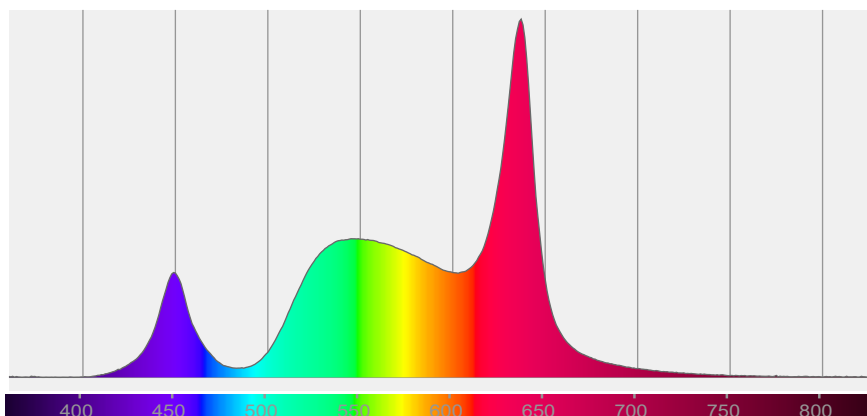


Beam angle 50%: 28,3°

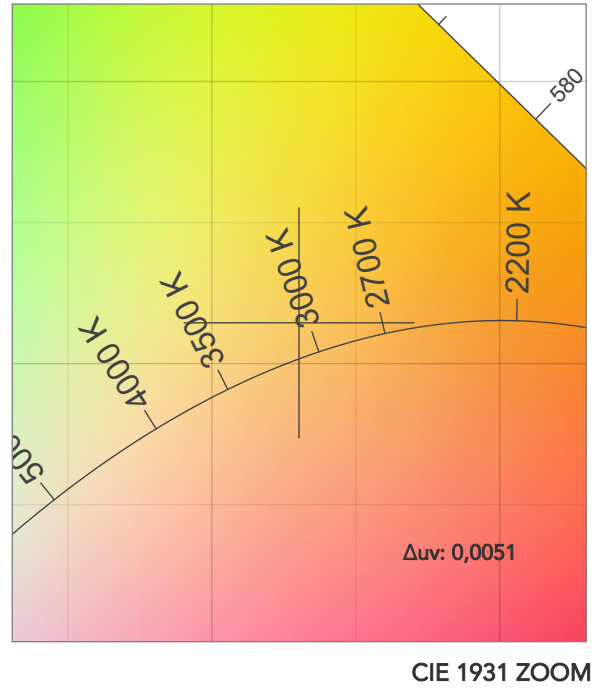
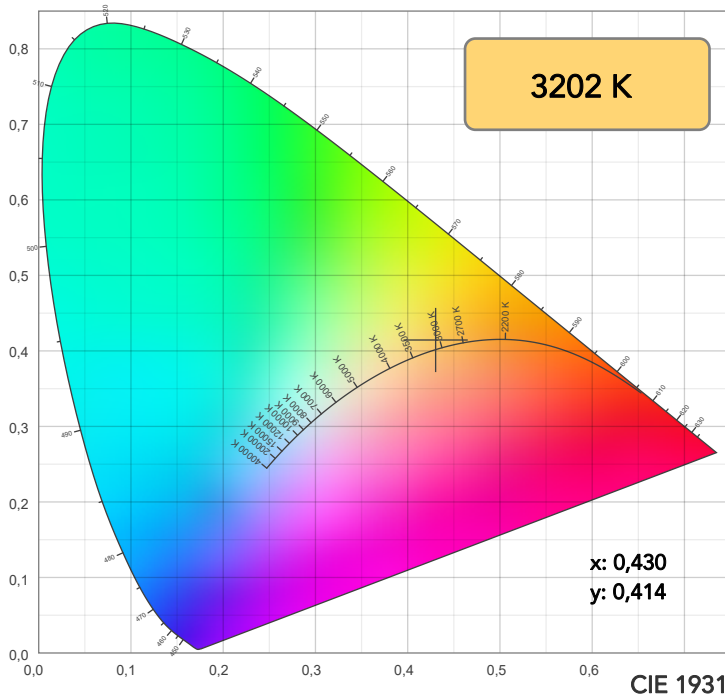
Field angle 10%: 40,9°

Cut off angle 2.5%: 52,1°

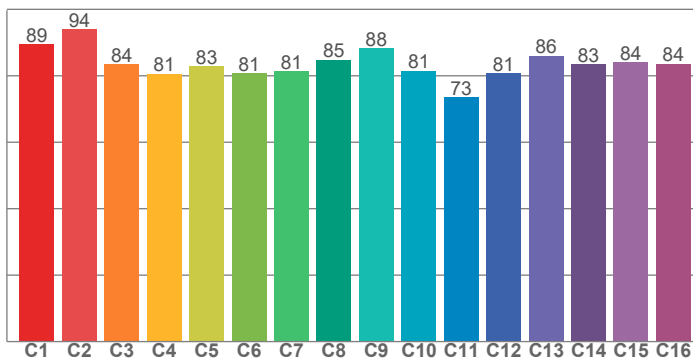
Spectra



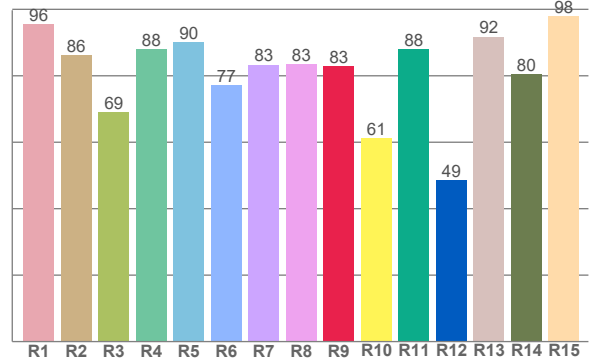
COLOR DETAILS



TM30: 83,9



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
95,5	86,3	69,1	88,0	90,0	77,2	83,3	83,4	83,0	61,1	88,0	48,6	91,8	80,4	98,0

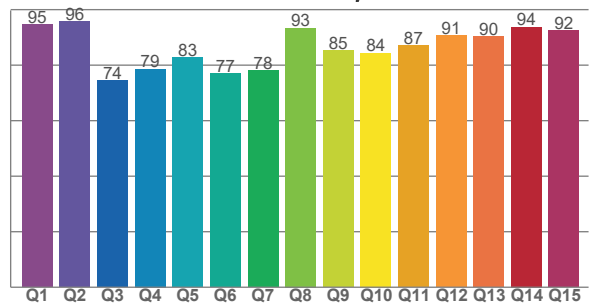
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,5	94,0	83,5	80,6	82,8	80,7	81,4	84,8	88,2	81,5	73,5	80,7	86,0	83,4	84,1	83,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,6	95,7	74,4	78,6	82,7	77,0	78,1	93,4	85,2	84,3	87,1	90,7	90,4	93,7	92,5

CQS: 84,8



COLOR PARAMETERS

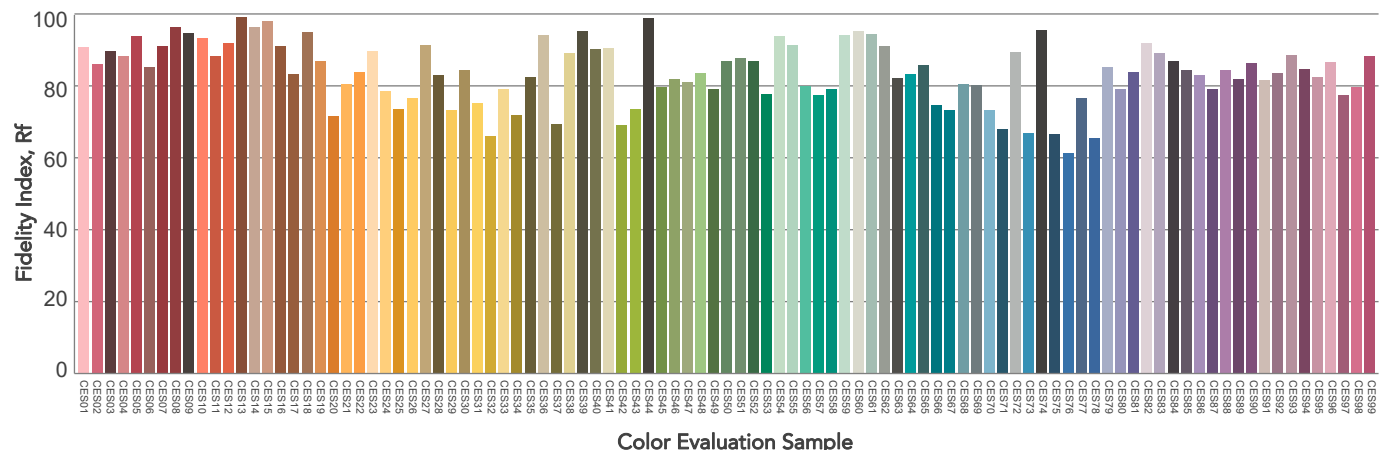
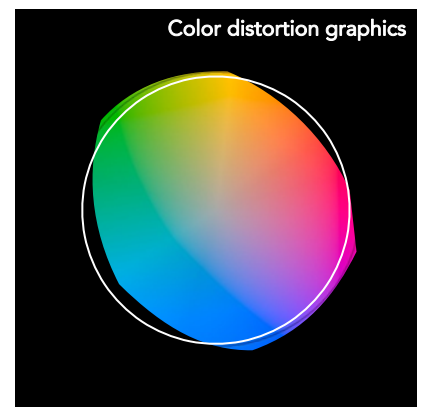
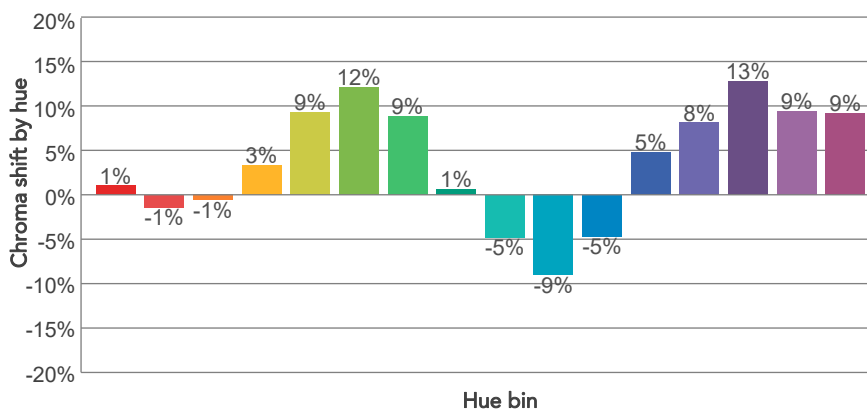
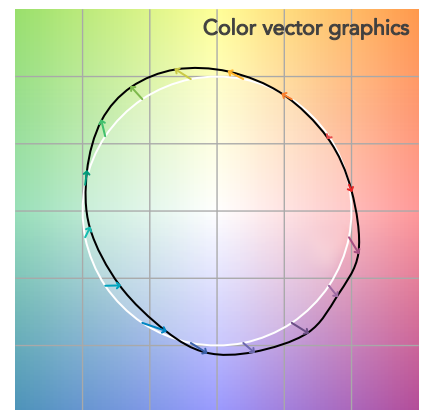
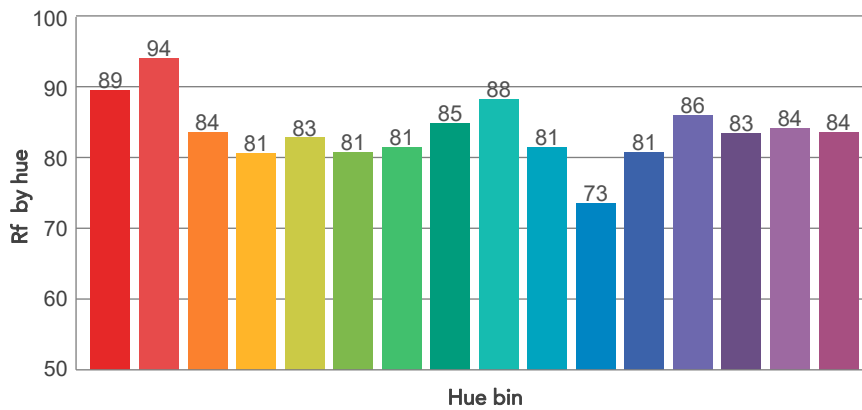
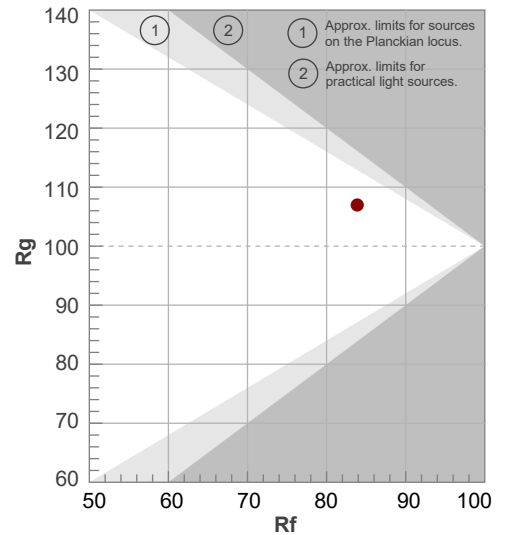
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3202 K	84,1	83,0	83,9	107,0	84,8	73	0,430	0,414	0,0051

TM30 DETAILS

Rf 83,9
Fidelity index Rf

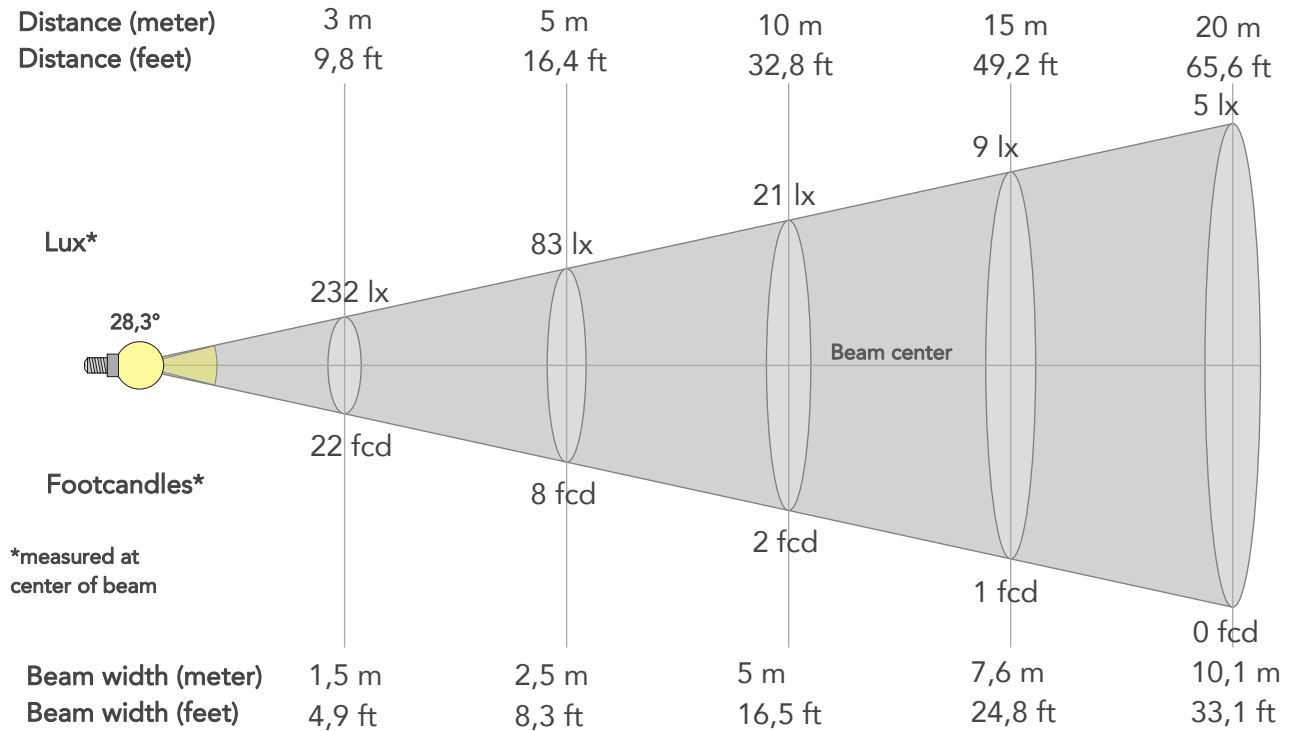
Rg 107,0
Gammut index

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



BEAM DETAILS

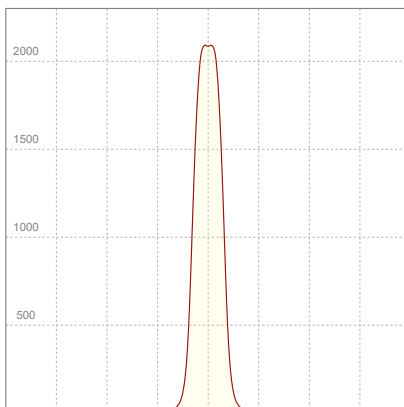
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
28,3°	40,9°	52,1°	98,7%	97,5%



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	2087lx	522lx	232lx	130lx	83lx	37lx	21lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	194fcd	48fcd	22fcd	12fcd	8fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,5m	2m	2,5m	3,8m	5m	7,6m	10,1m	12,6m	15,1m	20,2m	25,2m
Beam wid.	1,7ft	3,3ft	4,9ft	6,6ft	8,3ft	12,4ft	16,5ft	24,8ft	33,1ft	41,3ft	49,6ft	66,2ft	82,7ft

LINEAR DISTRIBUTION DIAGRAM

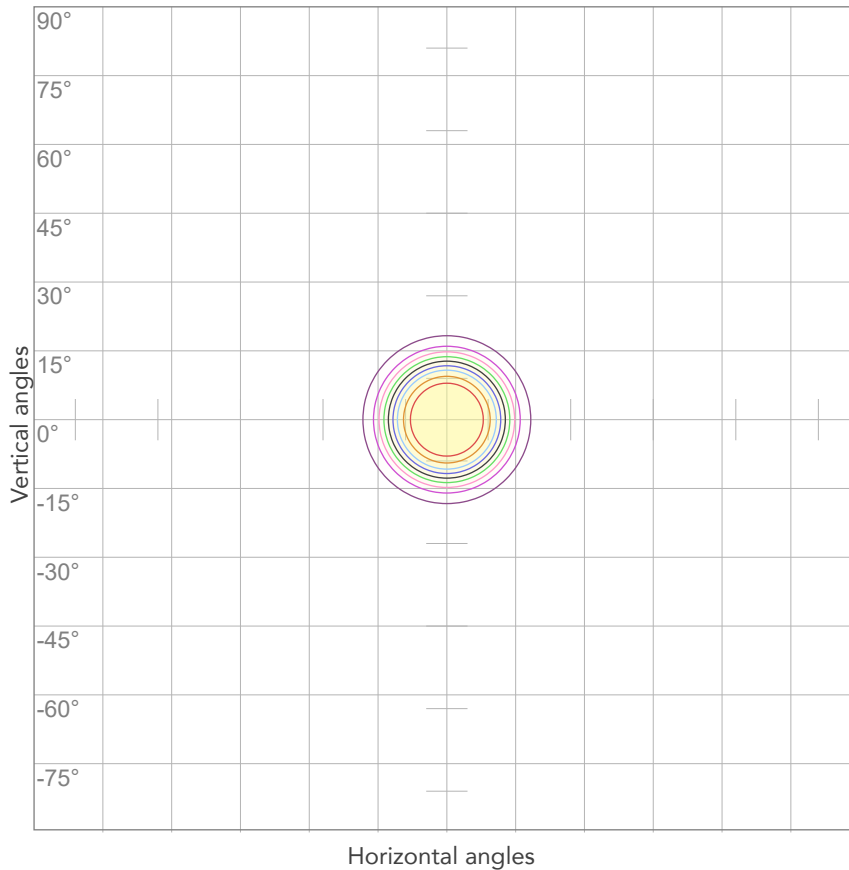


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,146A	25,5W	0,77	19lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



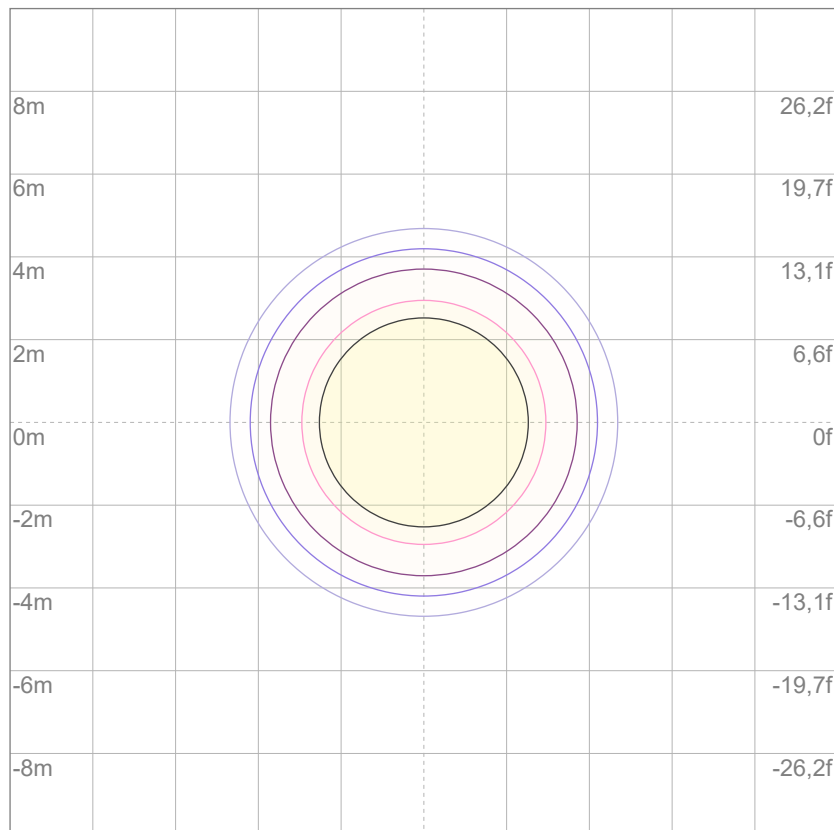
10%	209 cd
20%	417 cd
30%	626 cd
40%	835 cd
50%	1043 cd
60%	1252 cd
70%	1461 cd
80%	1669 cd

Conditions:

Number of c-planes: 2

Candela at center: 2087 cd

ISO LUX DIAGRAM



3%	0,626 lx
5%	1,04 lx
10%	2,09 lx
30%	6,26 lx
50%	10,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 20,9 lx

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



Total lumen output:

637 lm

Peak candela output:

761 cd

Light quality:

CRI: 82,0

Color temperature:

4002 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 25-50 Lens - Max Zoom

Target:

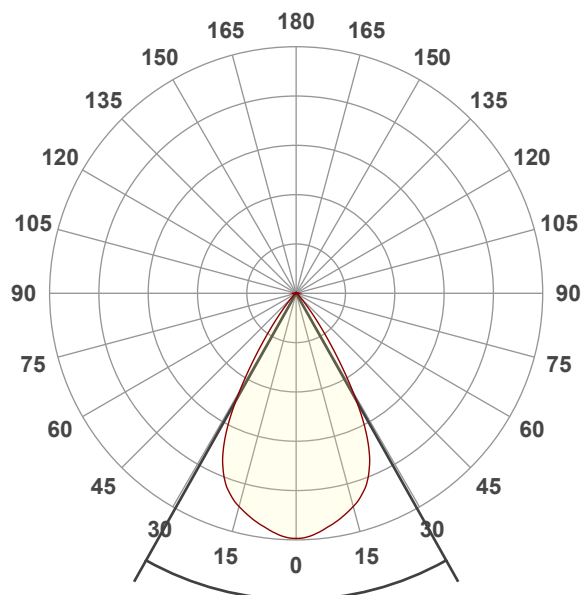
4000K

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 17:32:34

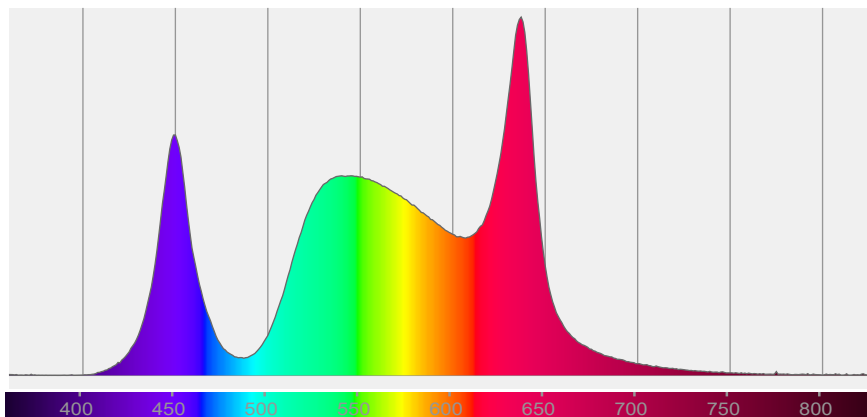


Beam angle 50%: 58,7°

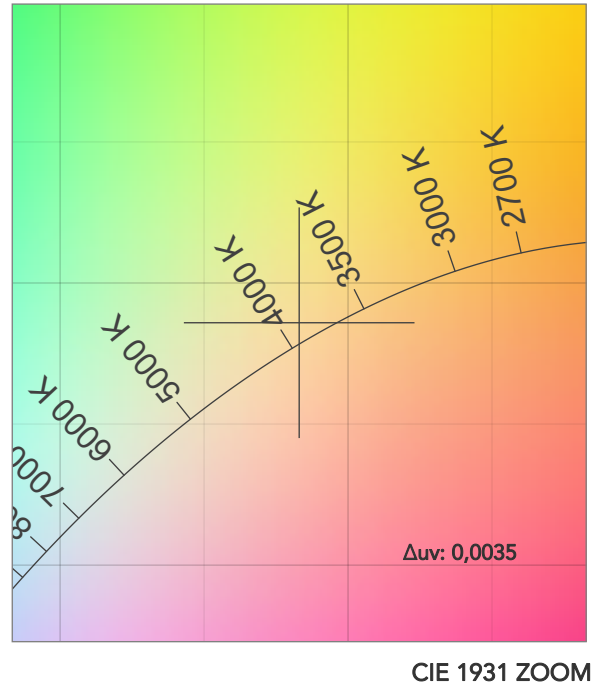
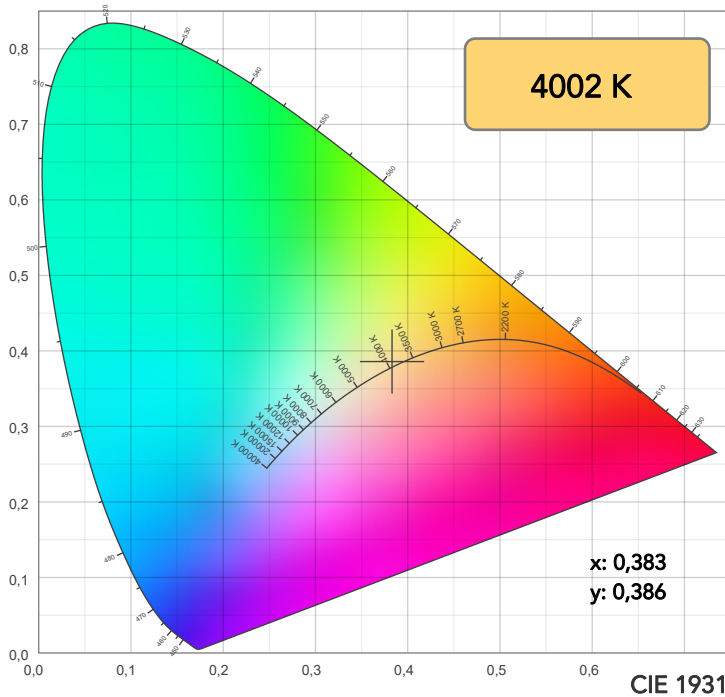
Field angle 10%: 77,2°

Cut off angle 2.5%: 91,3°

Spectra

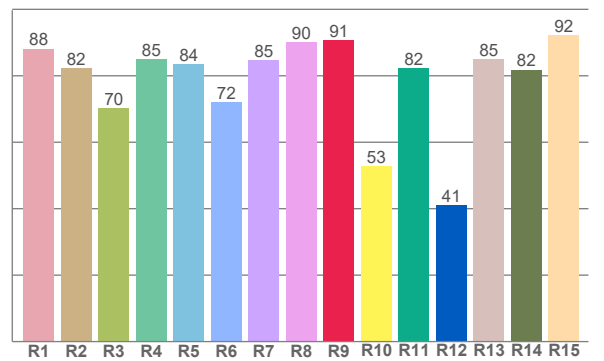
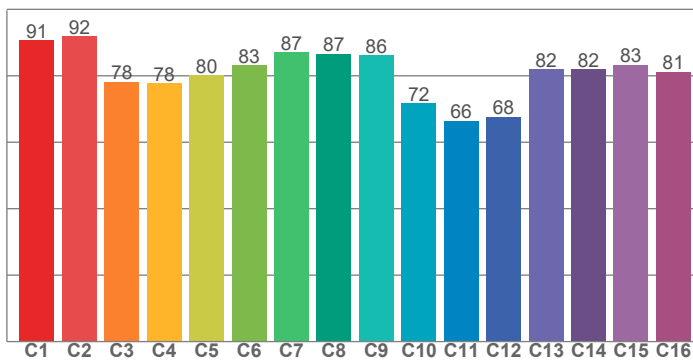


COLOR DETAILS



TM30: 81,0

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
88,2	82,3	70,4	85,0	83,6	72,1	84,6	90,2	90,6	52,8	82,3	41,1	85,1	81,8	92,2

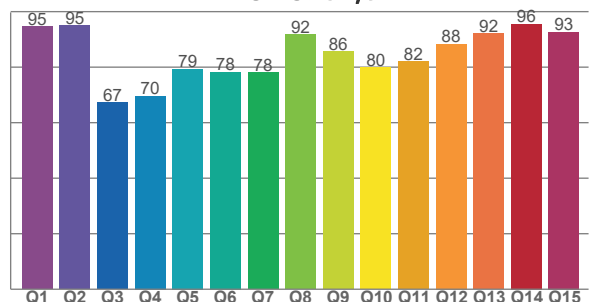
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,7	91,8	78,1	77,7	80,2	83,2	87,1	86,6	86,2	71,8	66,4	67,7	81,9	82,0	83,3	81,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,6	95,1	67,2	69,6	79,4	78,3	78,0	91,8	85,7	79,8	82,1	88,3	92,0	95,6	92,6

CQS: 82,3



COLOR PARAMETERS

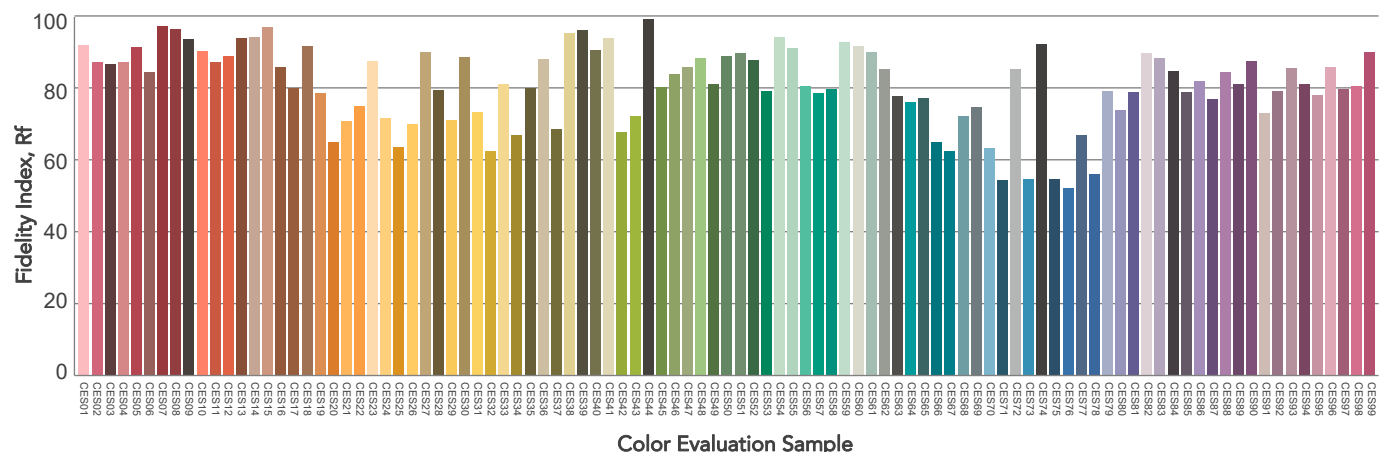
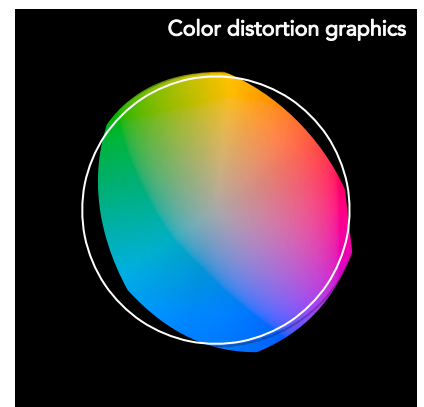
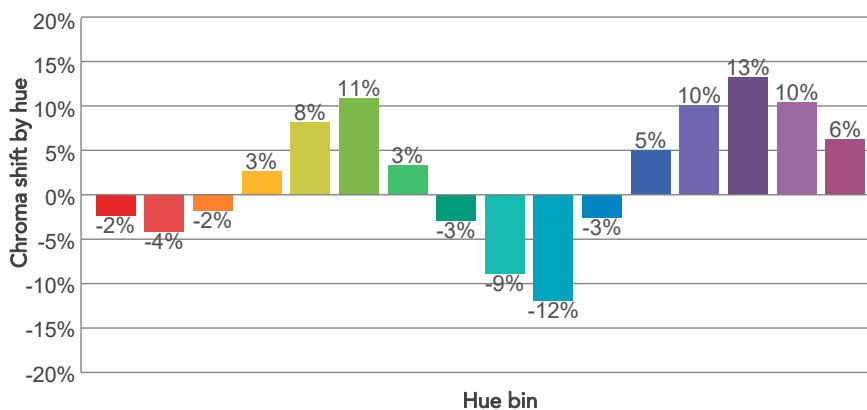
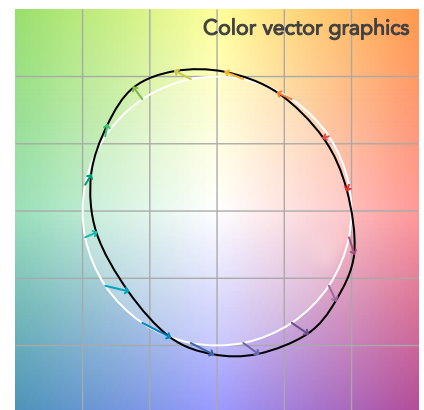
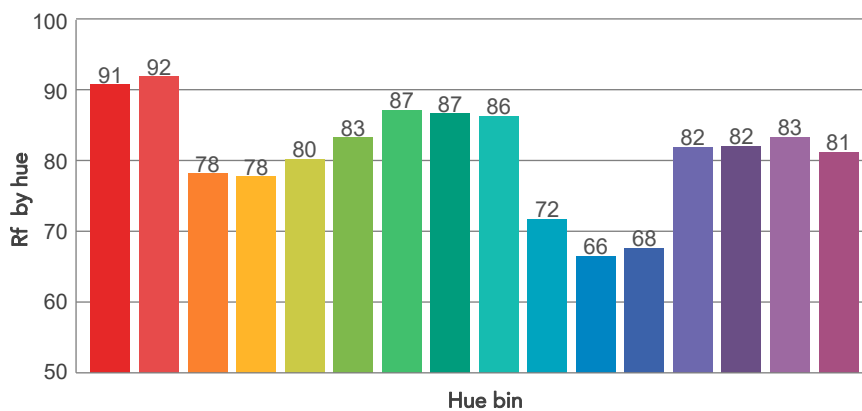
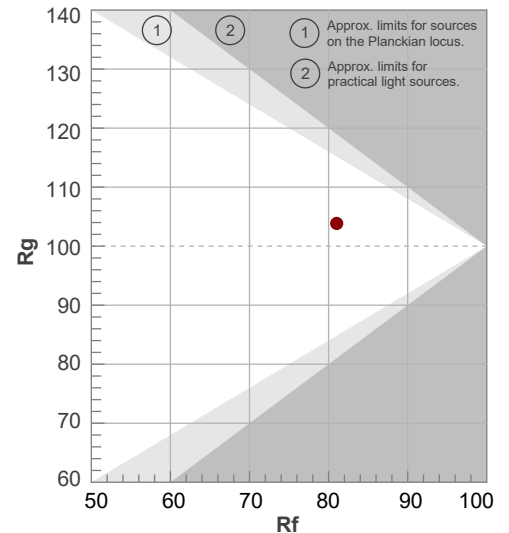
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4002 K	82,0	90,6	81,0	103,8	82,3	70	0,383	0,386	0,0035

TM30 DETAILS

Rf 81,0
Fidelity index Rf

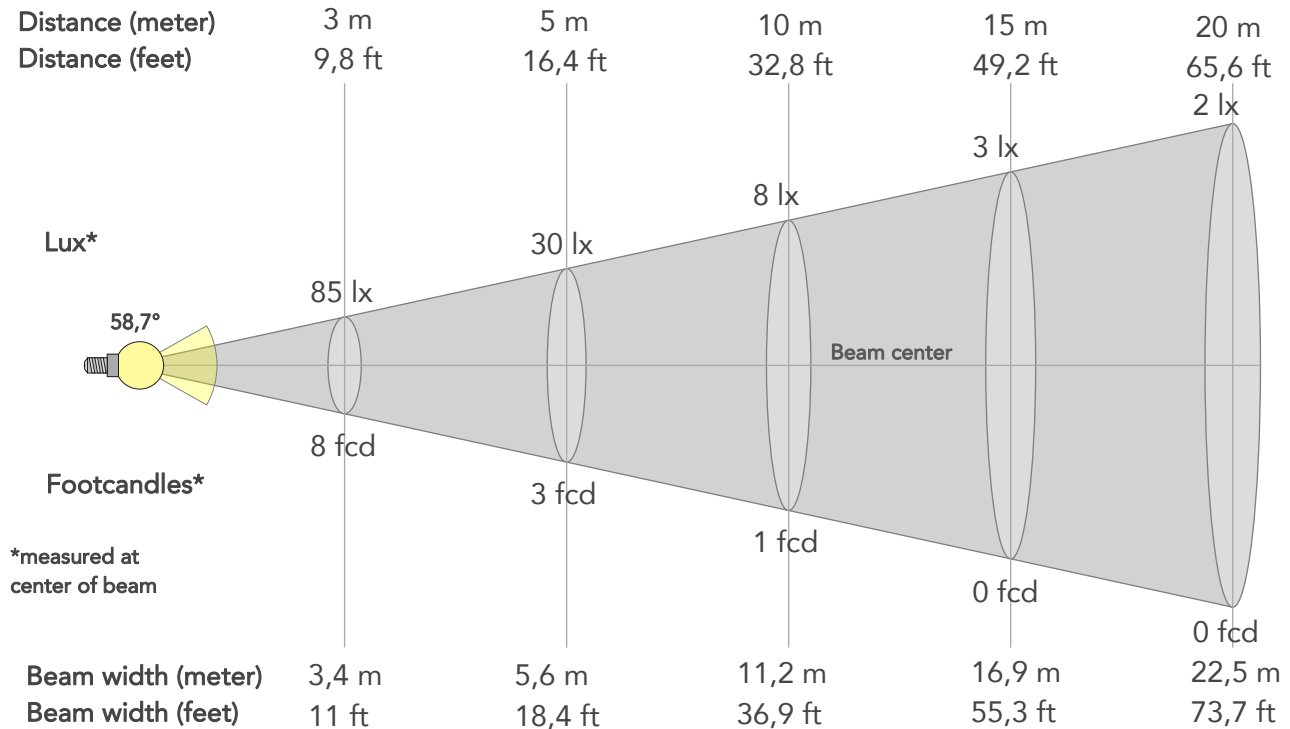
Rg 103,8
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-2%	-4%
2	92	-4%	1%
3	78	-2%	11%
4	78	3%	14%
5	80	8%	10%
6	83	11%	1%
7	87	3%	-8%
8	87	-3%	-8%
9	86	-9%	-2%
10	72	-12%	13%
11	66	-3%	23%
12	68	5%	18%
13	82	10%	9%
14	82	13%	5%
15	83	10%	-6%
16	81	6%	-11%



BEAM DETAILS

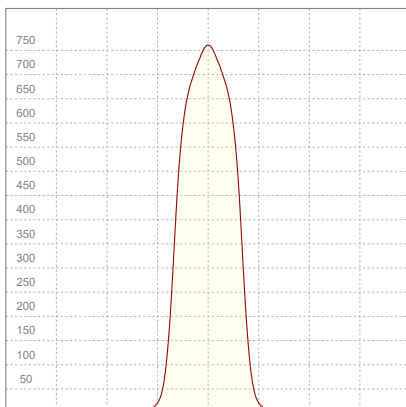
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,7°	77,2°	91,3°	99,0%	97,1%



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	761lx	190lx	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.	1,1m	2,2m	3,4m	4,5m	5,6m	8,4m	11,2m	16,9m	22,5m	28,1m	33,7m	45m	56,2m
Beam wid.	3,7ft	7,4ft	11ft	14,7ft	18,4ft	27,6ft	36,9ft	55,3ft	73,7ft	92,1ft	110,6ft	147,4ft	184,3ft

LINEAR DISTRIBUTION DIAGRAM

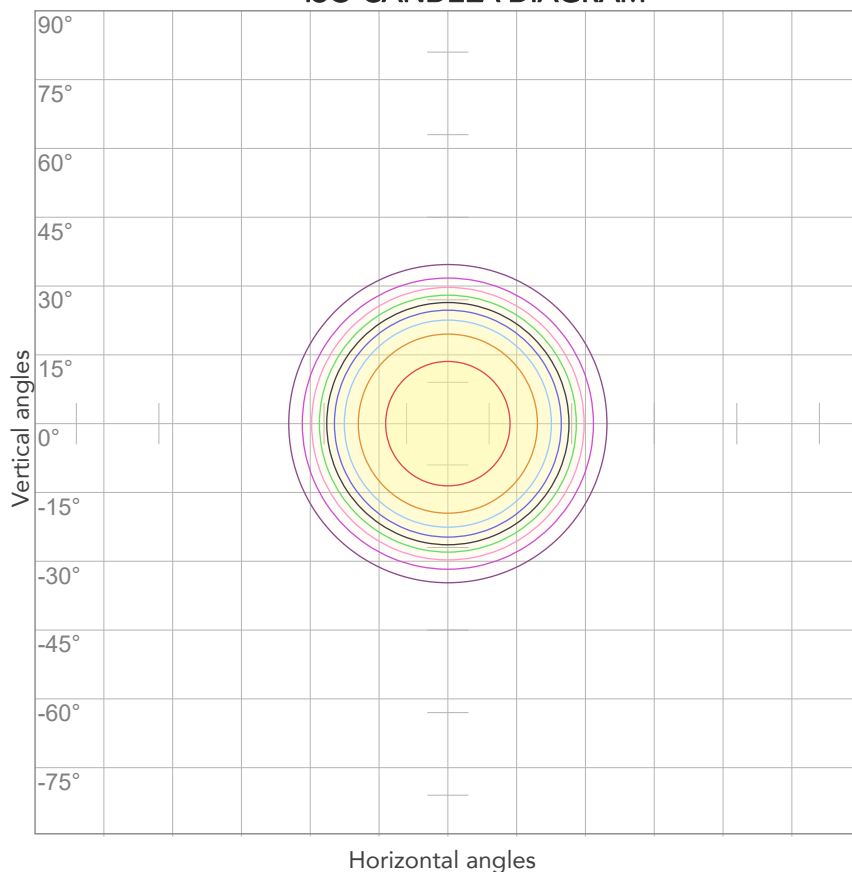


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,134A	25,7W	0,85	25lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



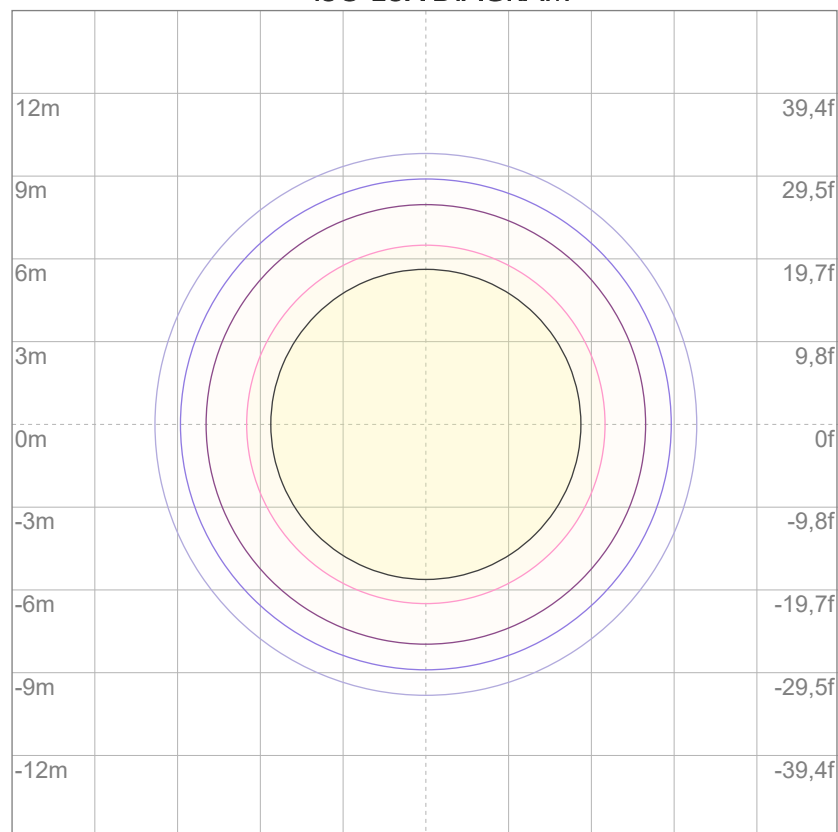
10%	76 cd
20%	152 cd
30%	228 cd
40%	304 cd
50%	380 cd
60%	456 cd
70%	532 cd
80%	609 cd

Conditions:

Number of c-planes: 2

Candela at center: 761 cd

ISO LUX DIAGRAM



3%	0,228 lx
5%	0,380 lx
10%	0,761 lx
30%	2,28 lx
50%	3,80 lx

Conditions:

Number of c-planes: 2

Lux at center: 7,61 lx

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



Total lumen output:

483 lm

Peak candela output:

2087 cd

Light quality:

CRI: 81,9

Color temperature:

4013 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 25-50 Lens - Min Zoom

Target:

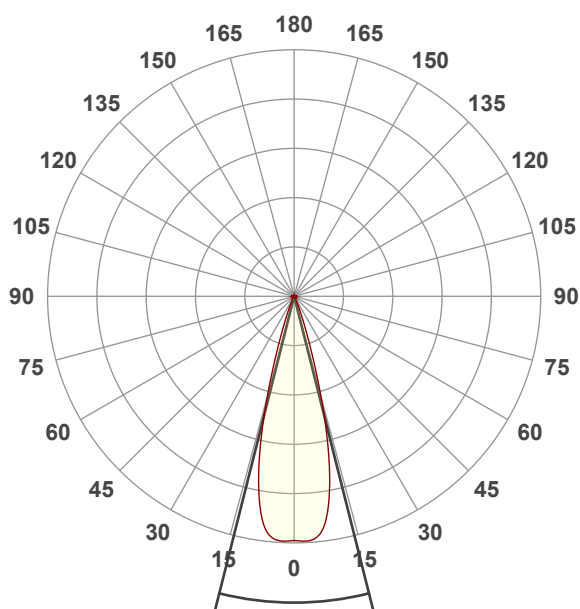
4000K

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 09:20:03

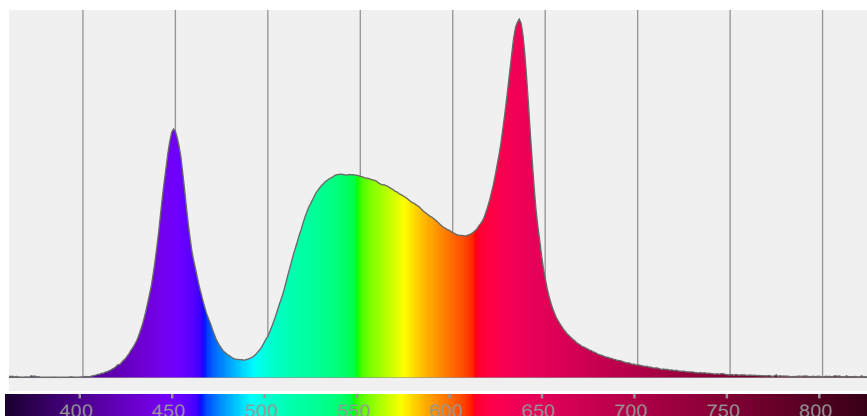


Beam angle 50%: 28,3°

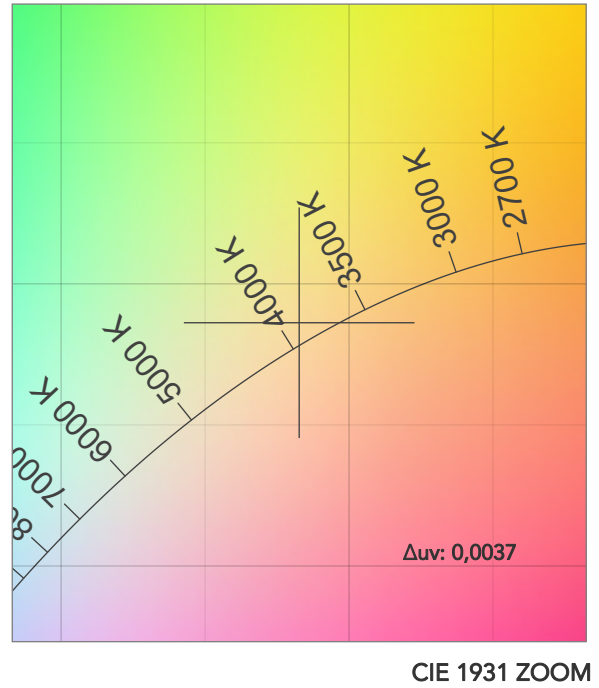
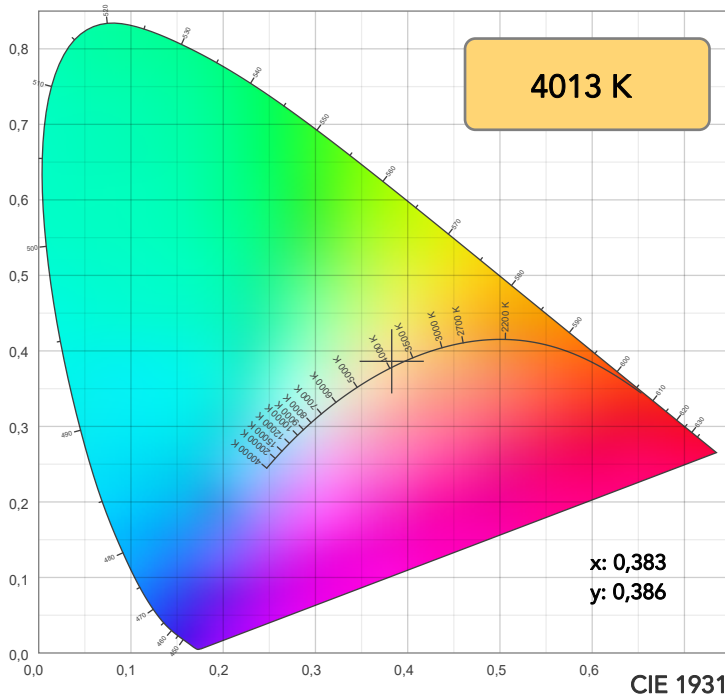
Field angle 10%: 40,9°

Cut off angle 2.5%: 52,1°

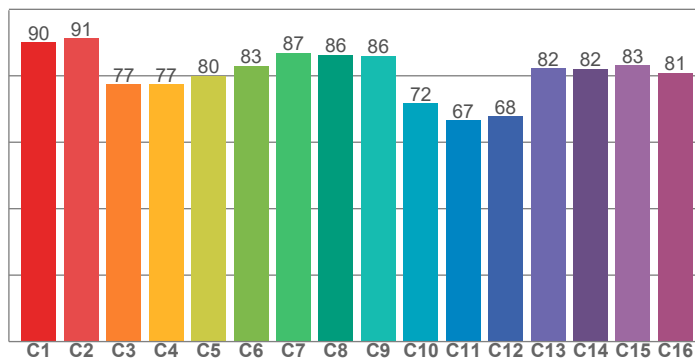
Spectra



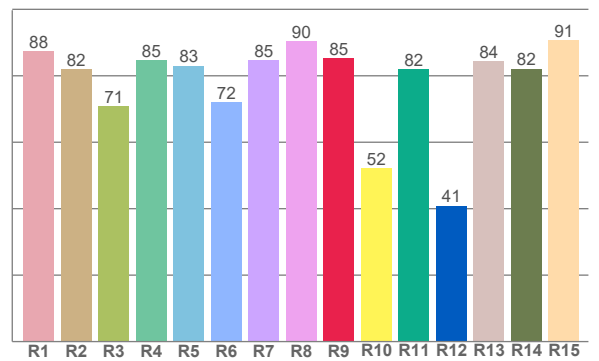
COLOR DETAILS



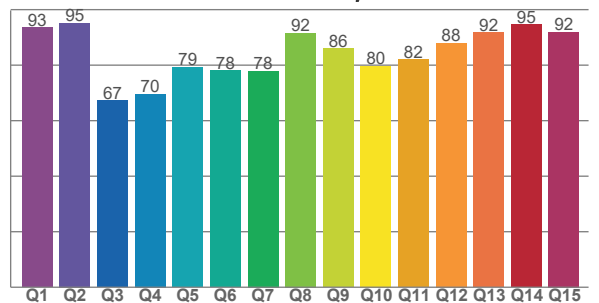
TM30: 80,8



CRI: 81,9 (R1-R8)



CQS: 82,2



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
87,5	81,9	70,8	84,7	83,0	72,0	84,8	90,4	85,2	52,3	82,0	40,9	84,5	82,1	90,8

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
90,1	91,3	77,4	77,4	80,0	83,0	86,9	86,3	86,0	71,7	66,5	67,7	82,3	82,1	83,2	80,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,5	95,2	67,2	69,7	79,2	78,0	77,8	91,6	86,0	79,7	81,9	88,0	91,7	94,6	91,9

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
4013 K	81,9	85,2	80,8	103,6	82,2	69	0,383	0,386	0,0037

TM30 DETAILS

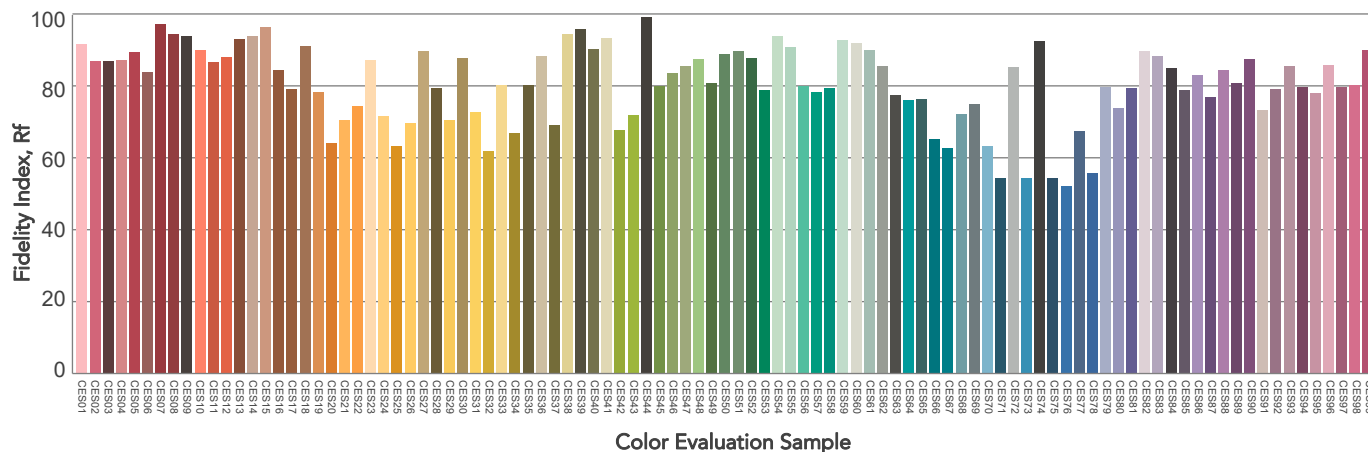
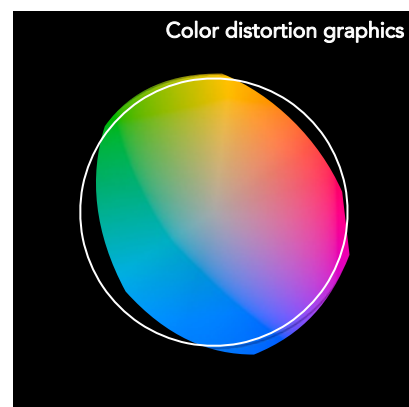
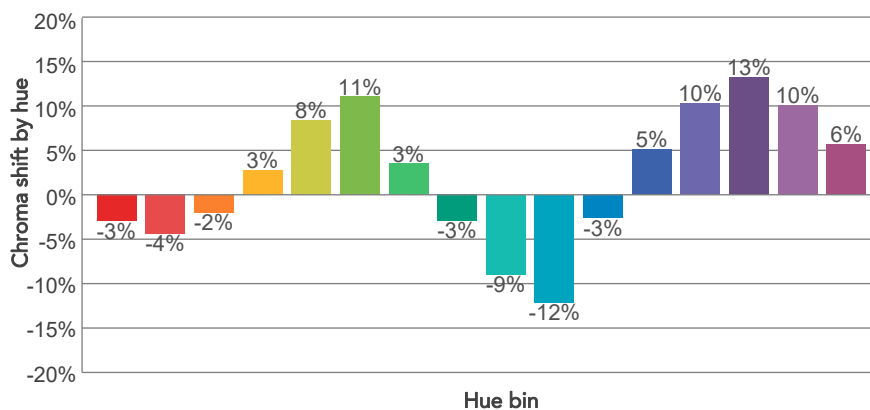
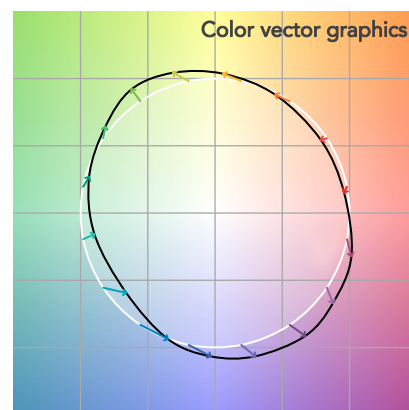
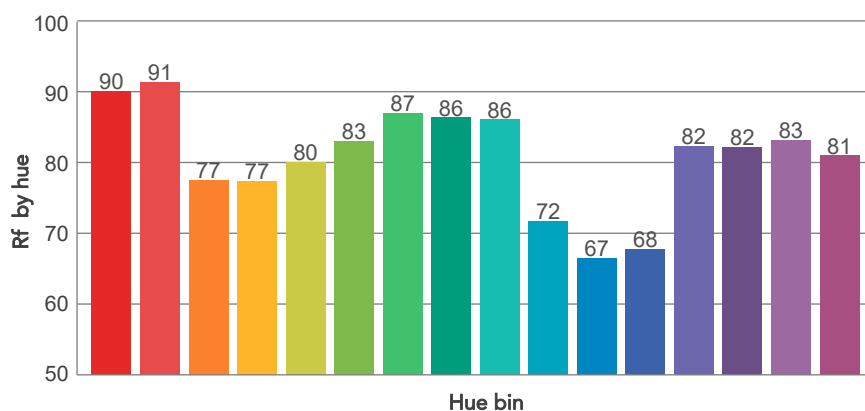
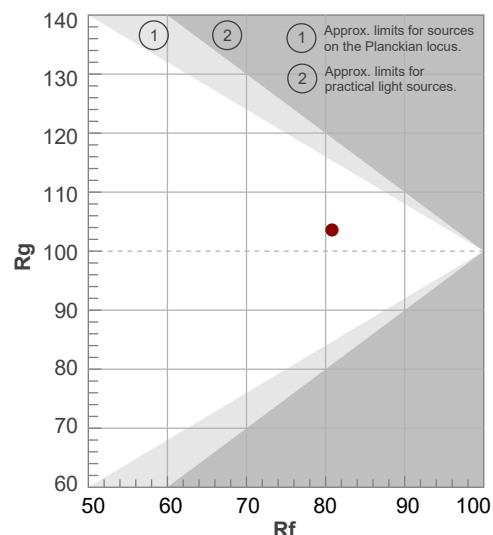
Rf 80,8

Fidelity index Rf

Rg 103,6

Gammut index

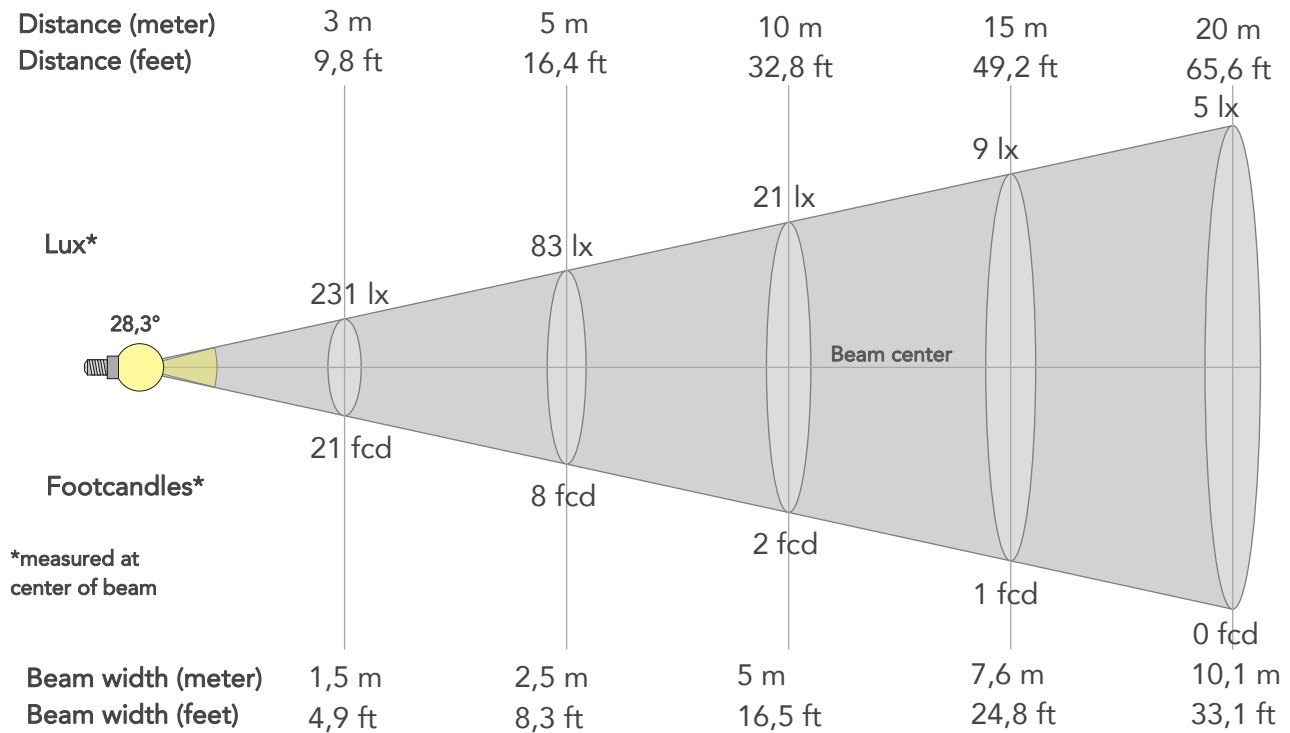
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	90	-3%	-4%
2	91	-4%	2%
3	77	-2%	12%
4	77	3%	14%
5	80	8%	10%
6	83	11%	1%
7	87	3%	-8%
8	86	-3%	-8%
9	86	-9%	-2%
10	72	-12%	13%
11	67	-3%	23%
12	68	5%	18%
13	82	10%	9%
14	82	13%	5%
15	83	10%	-7%
16	81	6%	-12%



BEAM DETAILS



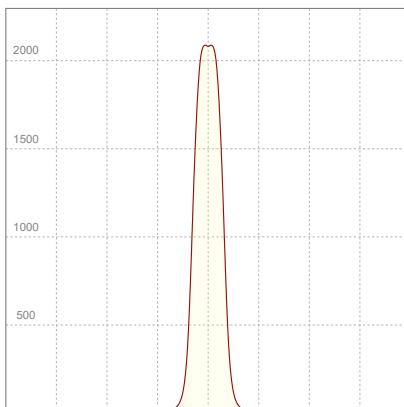
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
28,3°	40,9°	52,1°	98,7%	97,5%



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	2081lx	520lx	231lx	130lx	83lx	37lx	21lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	193fcd	48fcd	21fcd	12fcd	8fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,5m	2m	2,5m	3,8m	5m	7,6m	10,1m	12,6m	15,1m	20,2m	25,2m
Beam wid.	1,7ft	3,3ft	4,9ft	6,6ft	8,3ft	12,4ft	16,5ft	24,8ft	33,1ft	41,3ft	49,6ft	66,1ft	82,6ft

LINEAR DISTRIBUTION DIAGRAM

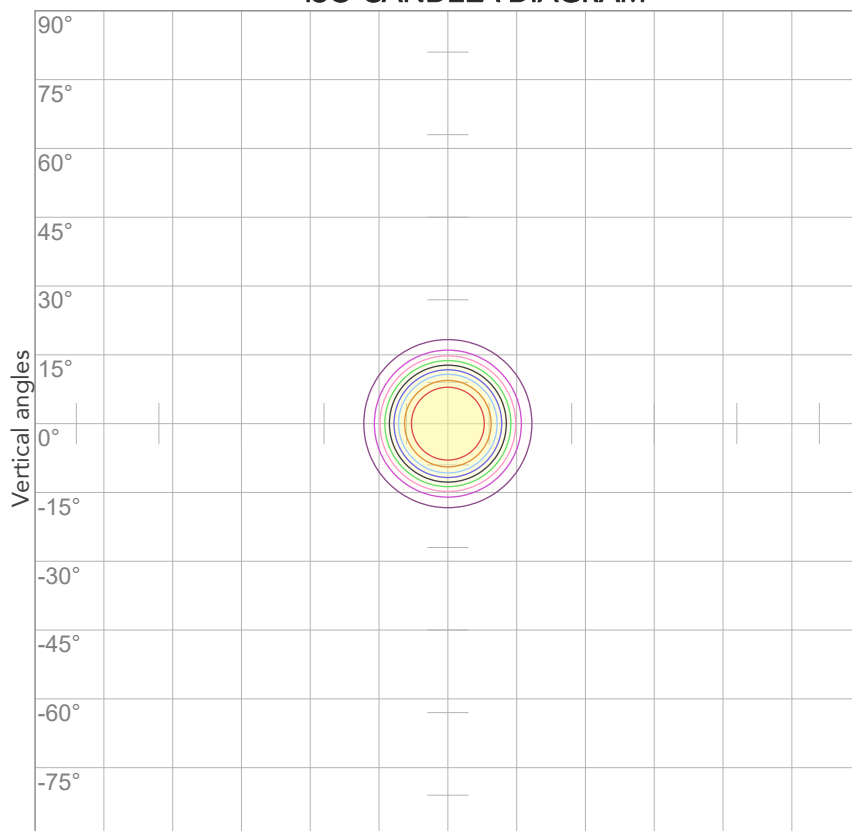


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,133A	25,7W	0,85	19lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



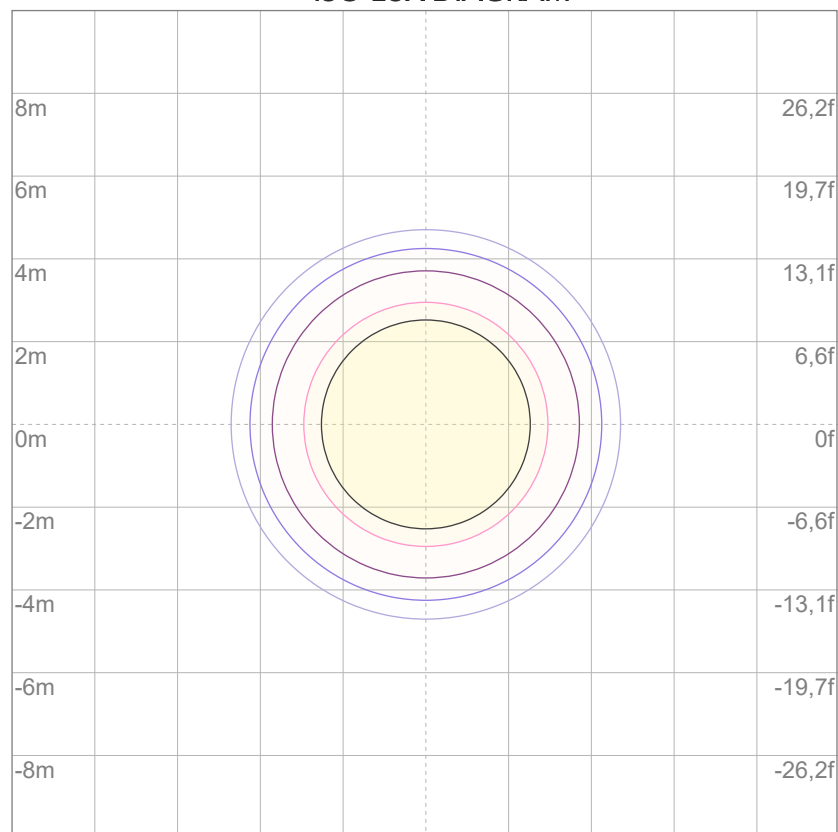
10%	208 cd
20%	416 cd
30%	624 cd
40%	832 cd
50%	1040 cd
60%	1248 cd
70%	1457 cd
80%	1665 cd

Conditions:

Number of c-planes: 2

Candela at center: 2081 cd

ISO LUX DIAGRAM



3%	0,624 lx
5%	1,04 lx
10%	2,08 lx
30%	6,24 lx
50%	10,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 20,8 lx

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



Total lumen output:

677 lm

Peak candela output:

807 cd

Light quality:

CRI: 82,4

Color temperature:

5606 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 25-50 Lens - Max Zoom

Target:

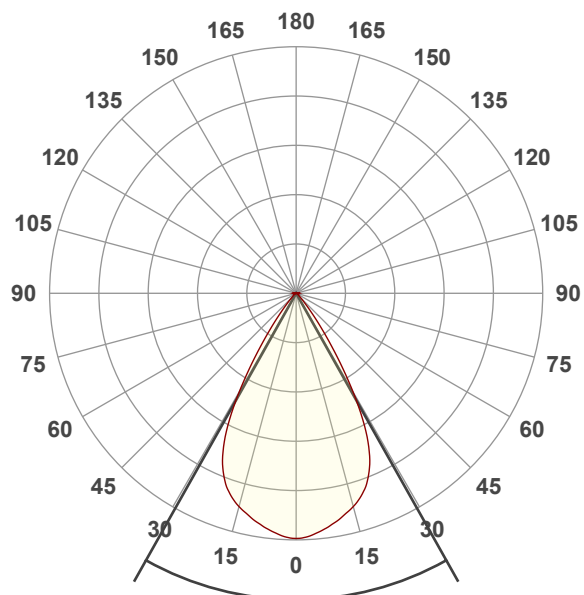
5600K

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 17:36:15

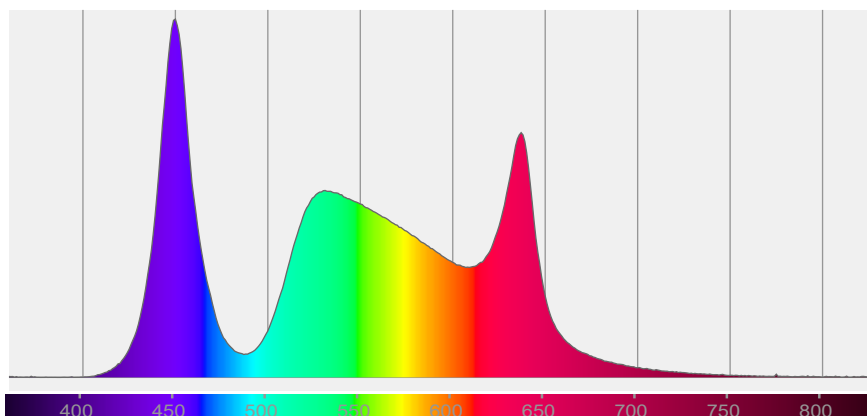


Beam angle 50%: 58,7°

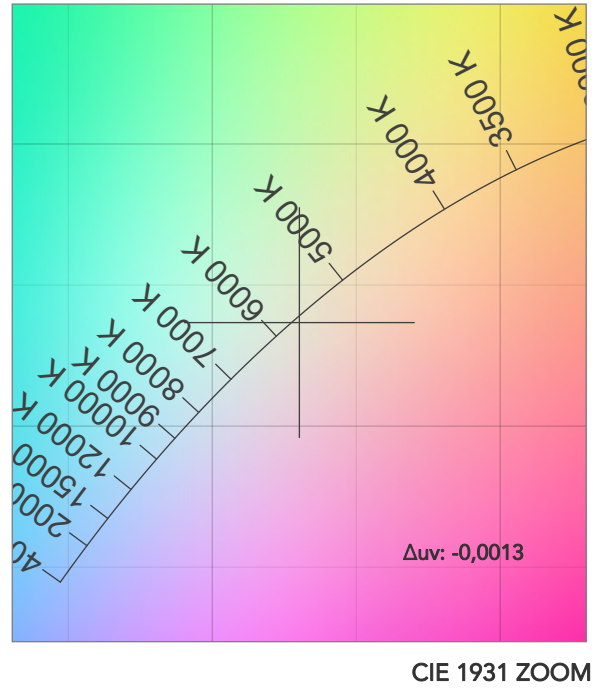
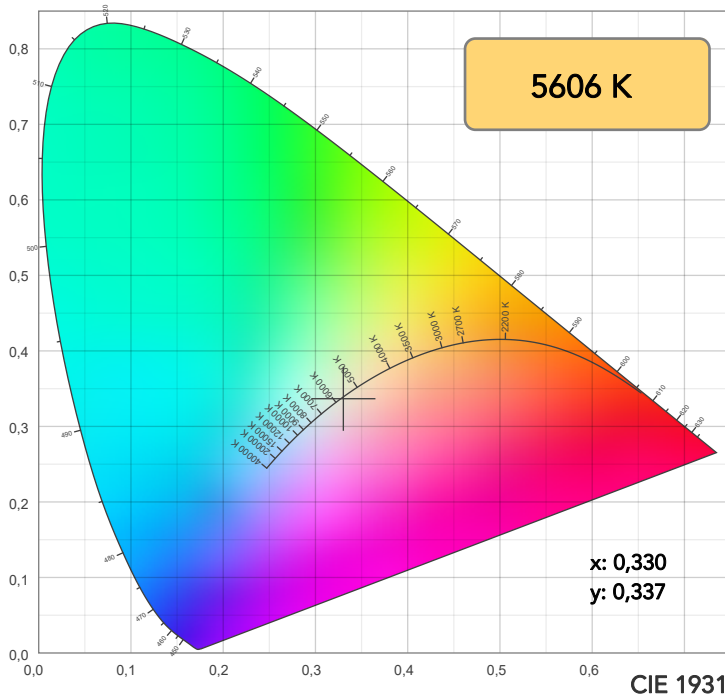
Field angle 10%: 77,3°

Cut off angle 2.5%: 91,3°

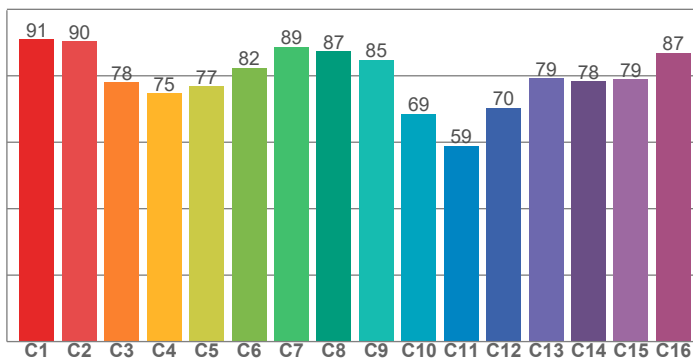
Spectra



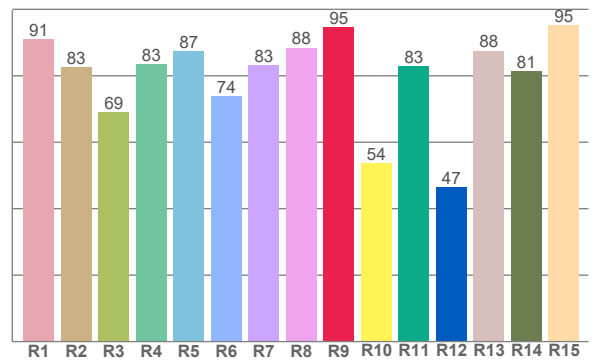
COLOR DETAILS



TM30: 79,4



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
90,9	82,7	69,1	83,5	87,4	73,9	83,2	88,5	94,6	53,6	83,0	46,5	87,6	81,4	95,3

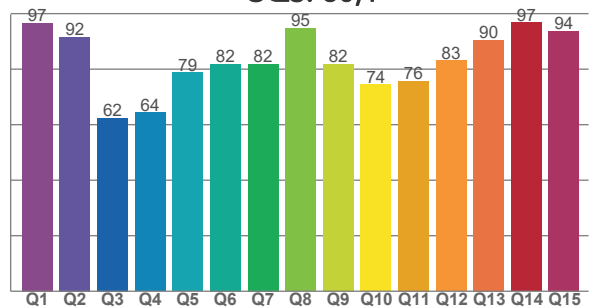
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91,0	90,3	78,1	74,7	76,9	82,4	88,7	87,3	84,8	68,6	59,0	70,4	79,2	78,3	78,9	86,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,6	91,6	62,4	64,3	78,8	81,8	81,8	94,7	81,8	74,4	75,7	83,2	90,4	96,7	93,7

CQS: 80,1



COLOR PARAMETERS

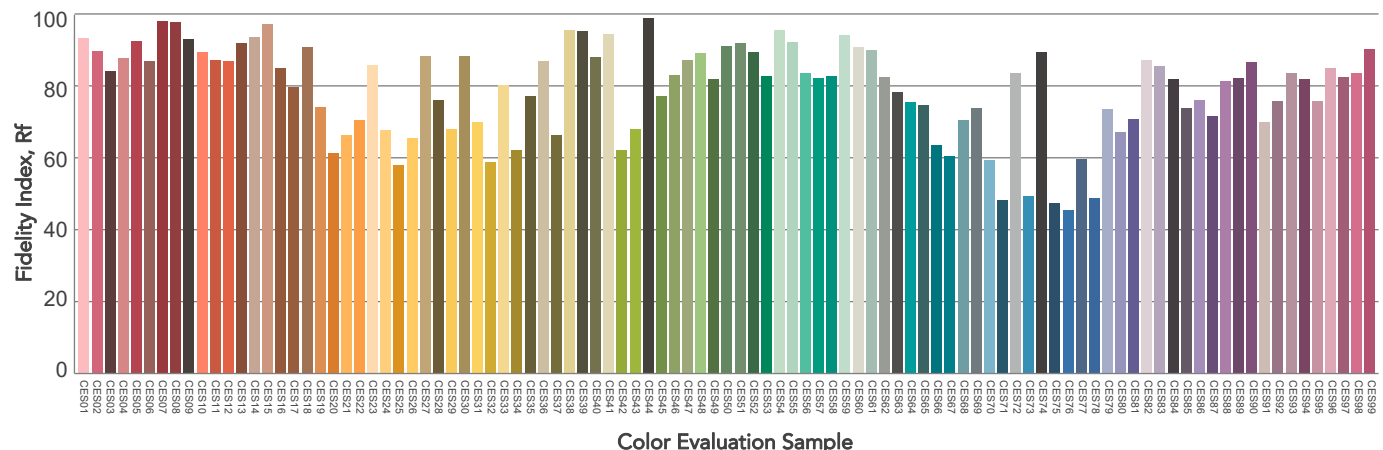
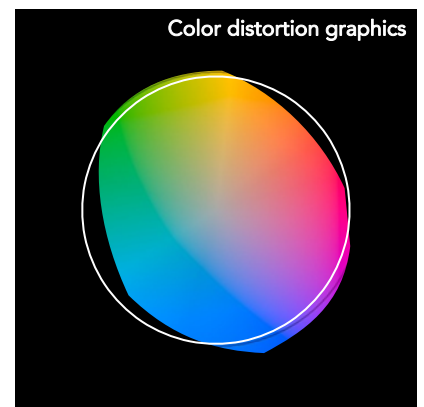
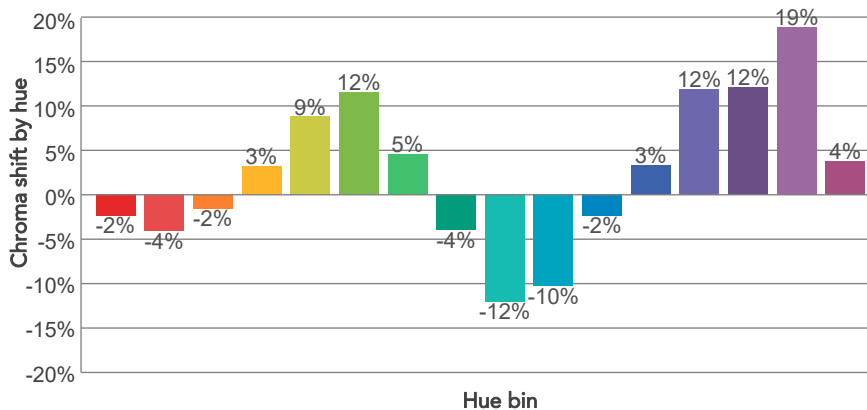
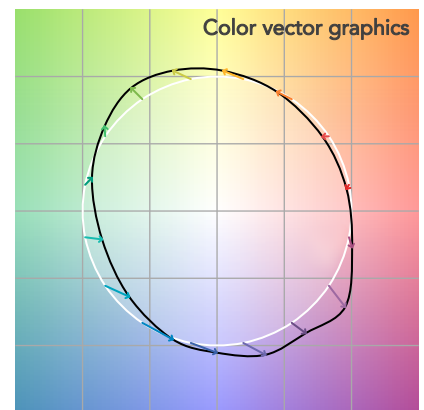
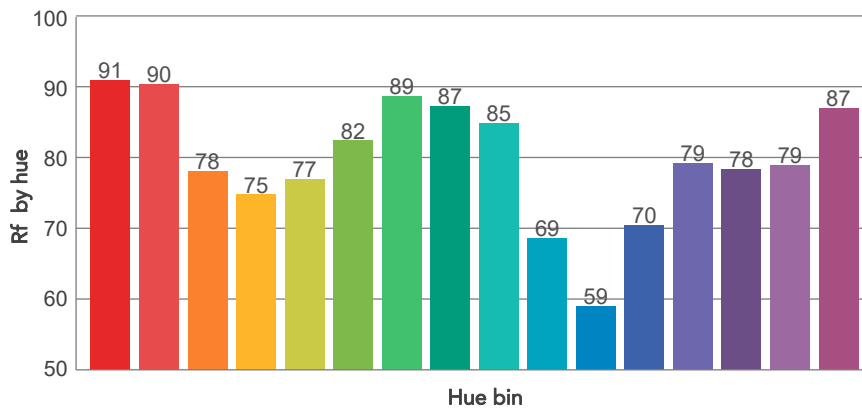
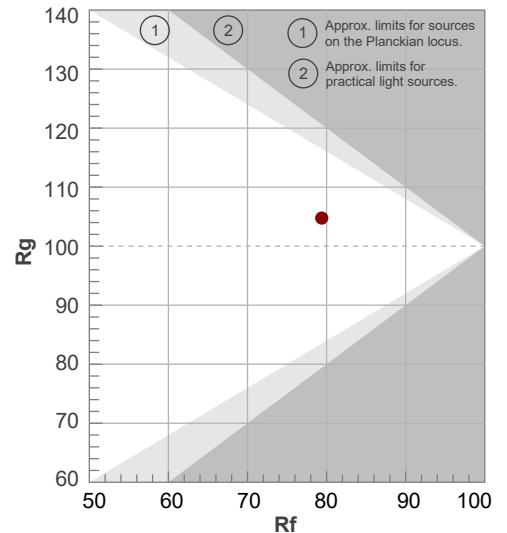
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5606 K	82,4	94,6	79,4	104,8	80,1	73	0,330	0,337	-0,0013

TM30 DETAILS

Rf 79,4
Fidelity index Rf

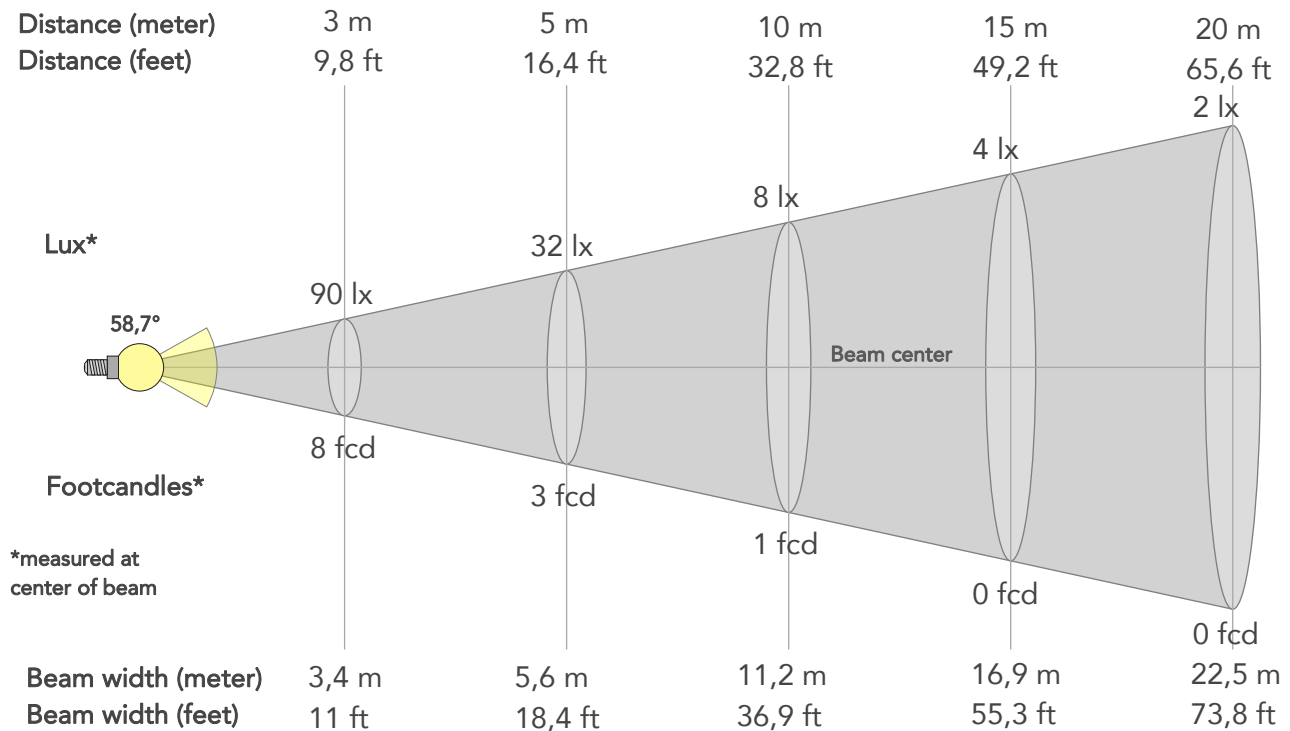
Rg 104,8
Gammut index

		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	91	-2%	-3%
2	90	-4%	3%
3	78	-2%	12%
4	75	3%	16%
5	77	9%	12%
6	82	12%	2%
7	89	5%	-6%
8	87	-4%	-6%
9	85	-12%	4%
10	69	-10%	17%
11	59	-2%	26%
12	70	3%	20%
13	79	12%	14%
14	78	12%	4%
15	79	19%	-6%
16	87	4%	-7%



BEAM DETAILS

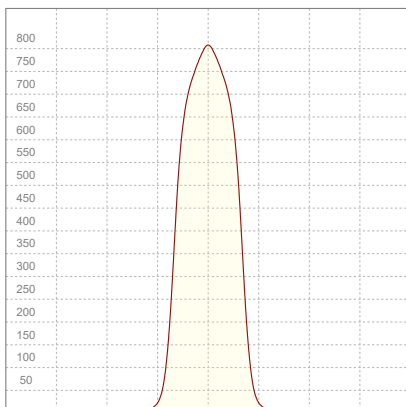
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,7°	77,3°	91,3°	99,1%	97,2%



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	807lx	202lx	90lx	50lx	32lx	14lx	8lx	4lx	2lx	1lx	1lx	1lx	0lx
Footcand.	75fcd	19fcd	8fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,4m	4,5m	5,6m	8,4m	11,2m	16,9m	22,5m	28,1m	33,7m	45m	56,2m
Beam wid.	3,7ft	7,4ft	11ft	14,7ft	18,4ft	27,7ft	36,9ft	55,3ft	73,8ft	92,2ft	110,7ft	147,6ft	184,4ft

LINEAR DISTRIBUTION DIAGRAM

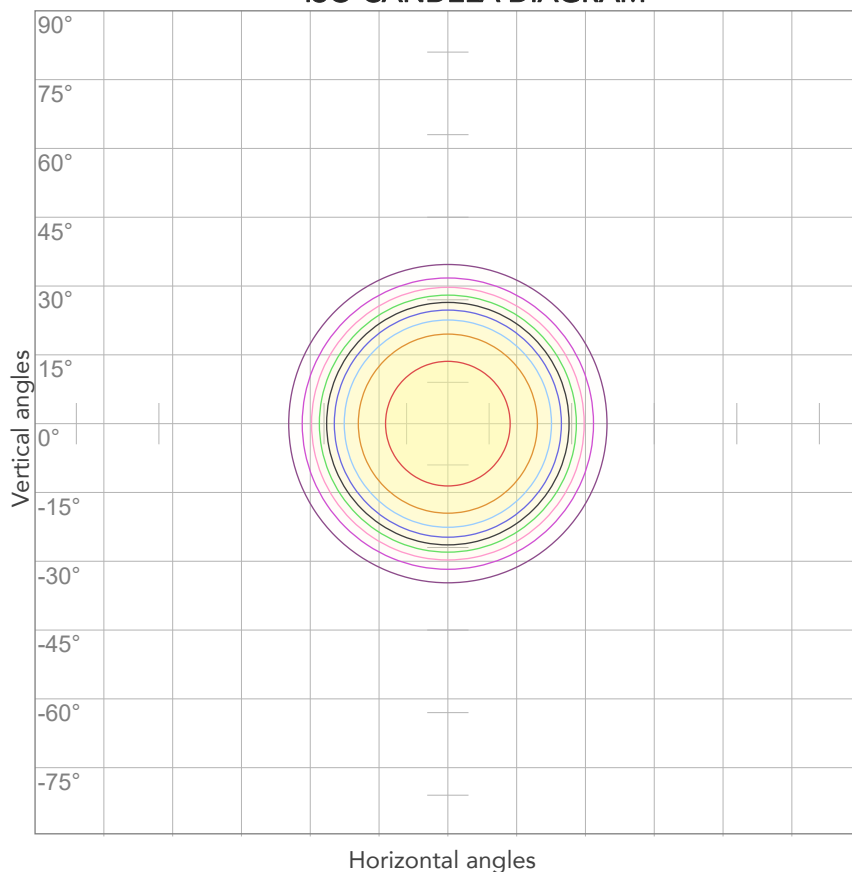


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,146A	28,5W	0,87	24lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



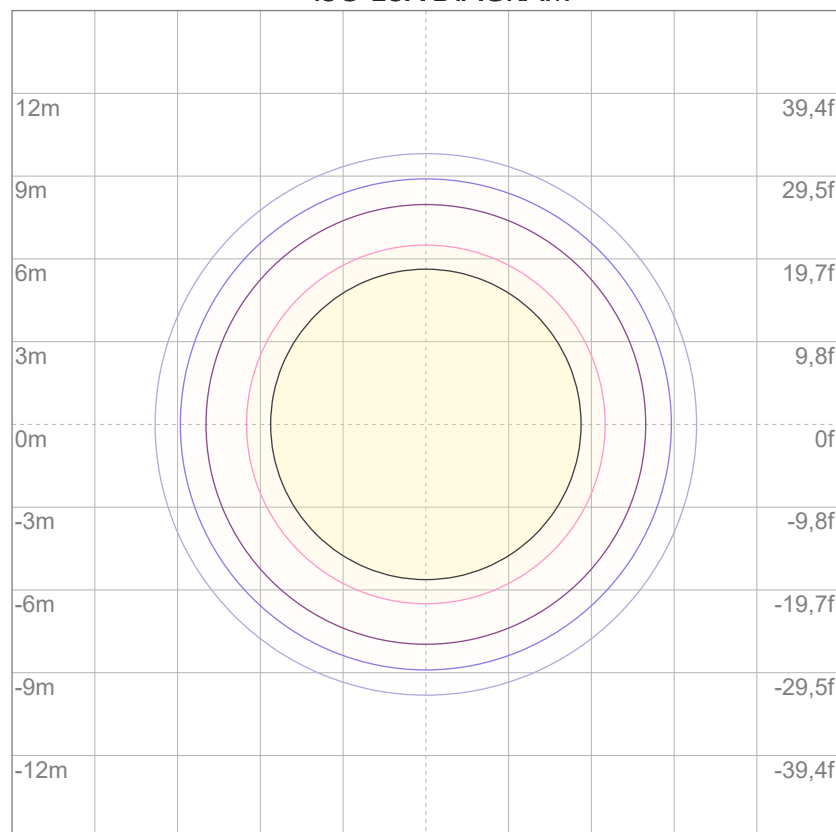
10%	81 cd
20%	161 cd
30%	242 cd
40%	323 cd
50%	404 cd
60%	484 cd
70%	565 cd
80%	646 cd

Conditions:

Number of c-planes: 2

Candela at center: 807 cd

ISO LUX DIAGRAM



3%	0,242 lx
5%	0,404 lx
10%	0,807 lx
30%	2,42 lx
50%	4,04 lx

Conditions:

Number of c-planes: 2

Lux at center: 8,07 lx

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



Total lumen output:

492 lm

Peak candela output:

2140 cd

Light quality:

CRI: 82,8

Color temperature:

5611 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 25-50 Lens - Min Zoom

Target:

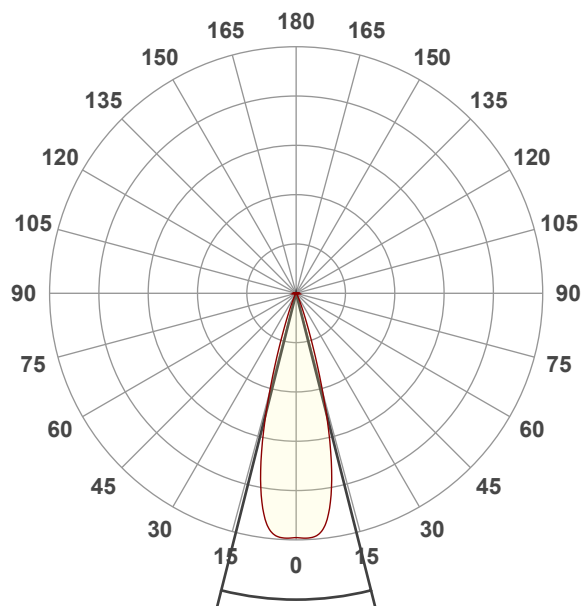
5600K

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 17:51:51

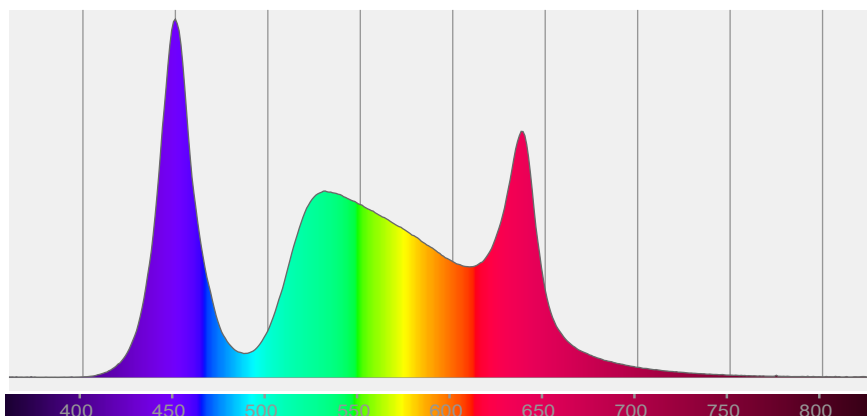


Beam angle 50%: 28,3°

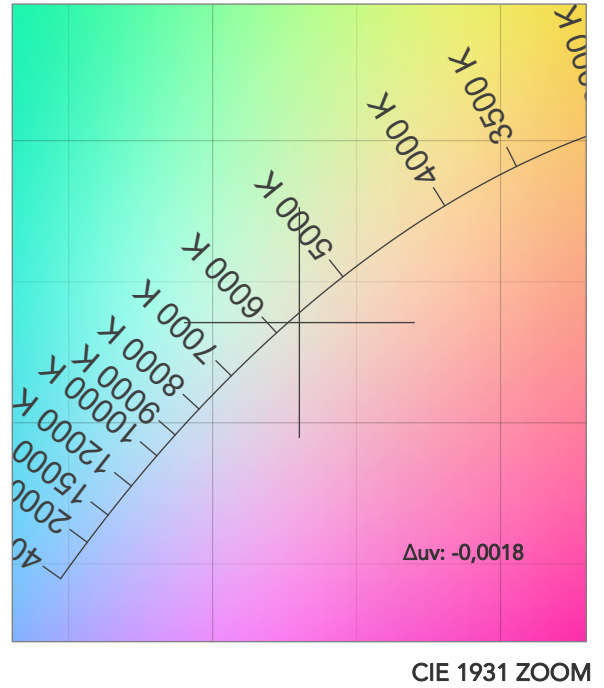
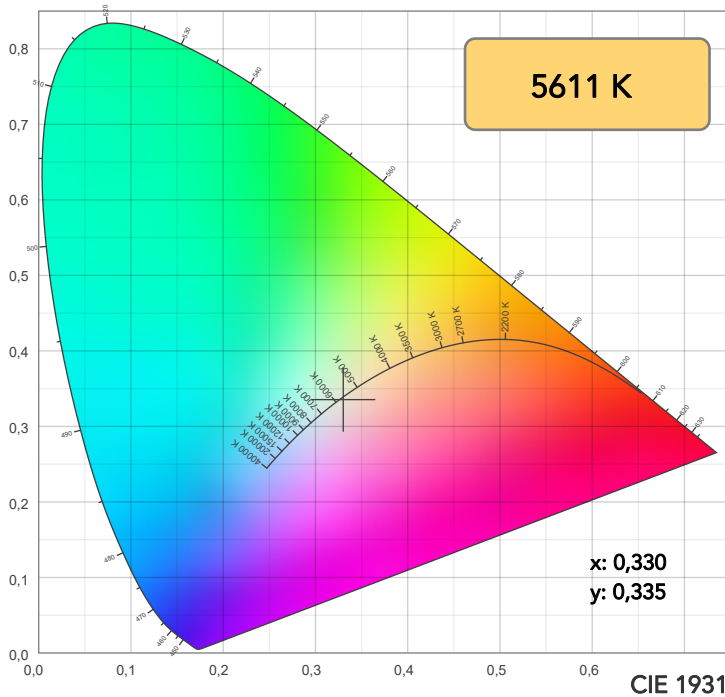
Field angle 10%: 40,8°

Cut off angle 2.5%: 52,1°

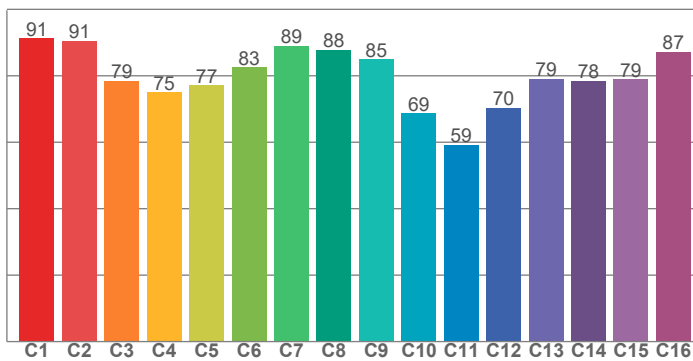
Spectra



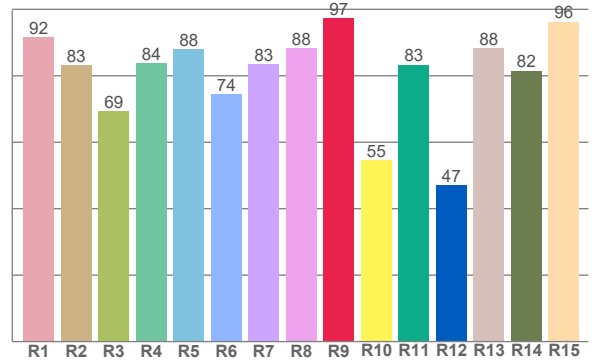
COLOR DETAILS



TM30: 79,6



CRI: 82,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
91,6	83,2	69,3	83,9	88,0	74,4	83,4	88,4	97,4	54,6	83,4	47,2	88,3	81,5	96,3

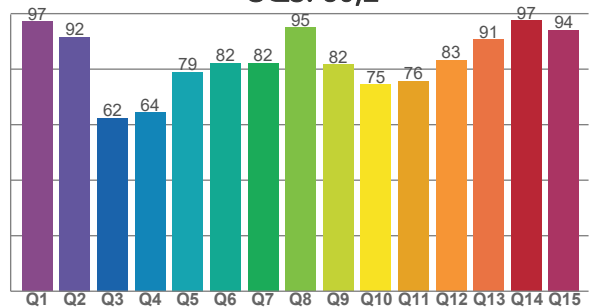
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91,3	90,5	78,5	75,0	77,1	82,6	89,0	87,8	85,0	68,6	59,2	70,4	79,1	78,4	79,0	87,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,1	91,6	62,4	64,3	78,9	82,2	82,1	95,0	81,7	74,5	75,7	83,3	90,7	97,4	94,1

CQS: 80,2



COLOR PARAMETERS

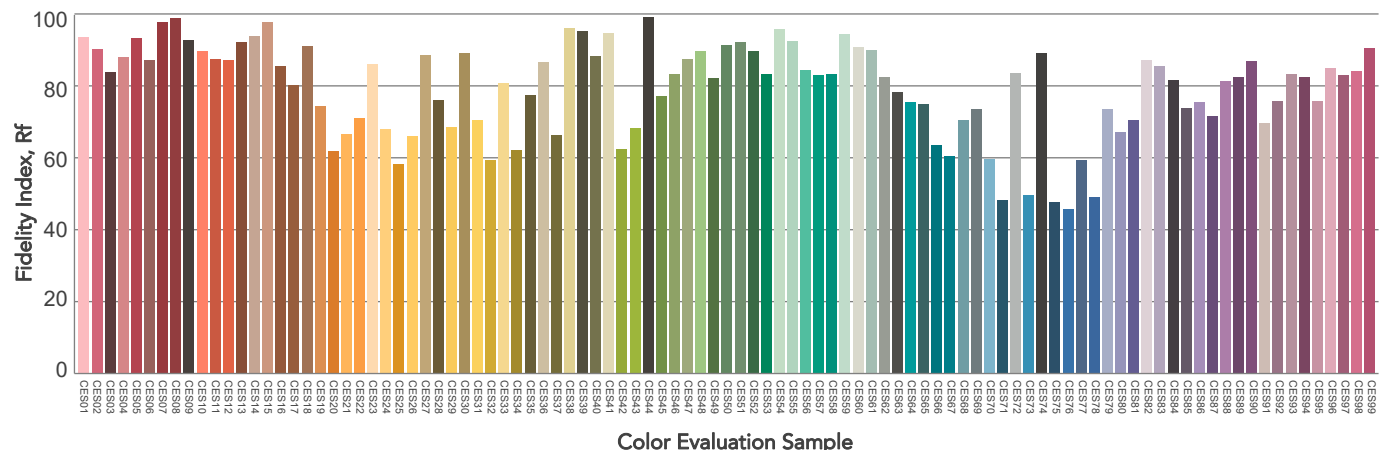
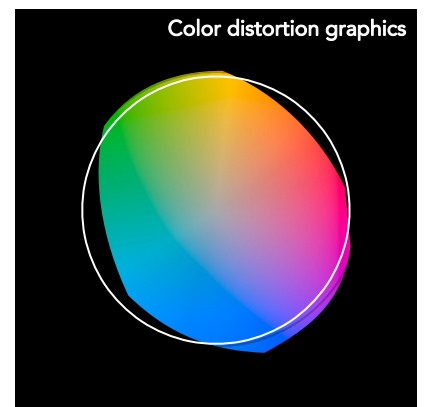
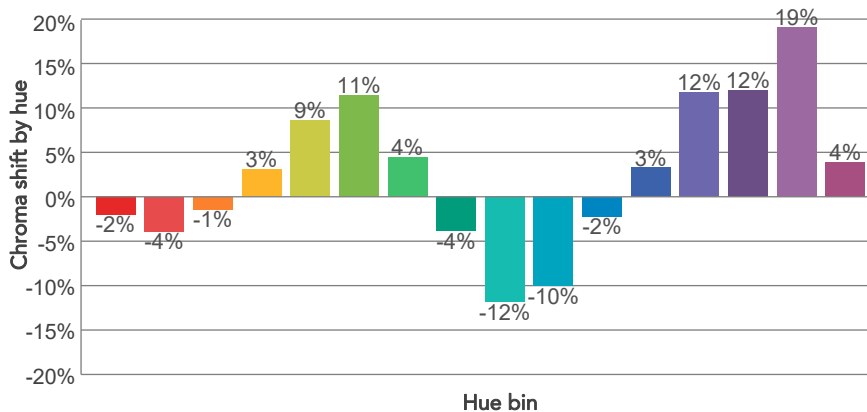
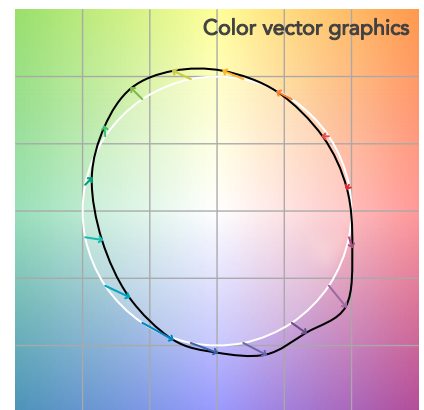
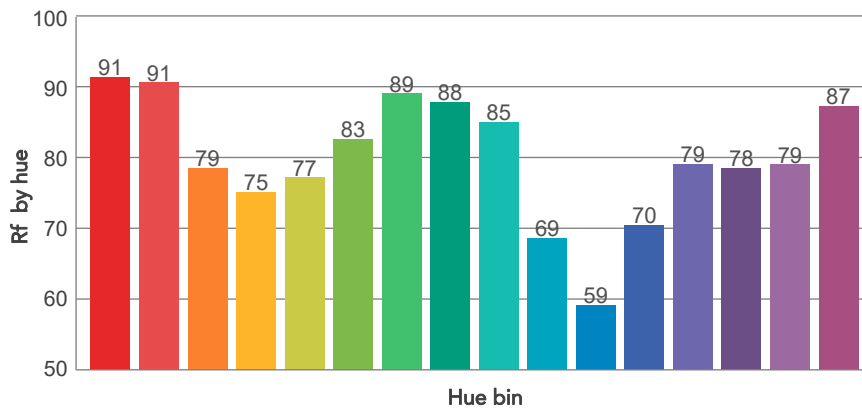
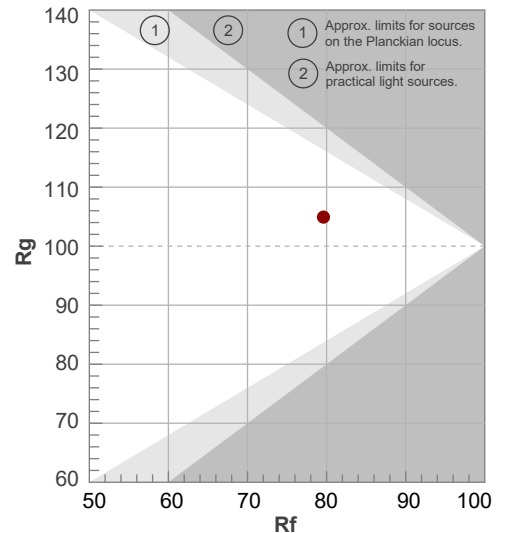
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5611 K	82,8	97,4	79,6	104,9	80,2	74	0,330	0,335	-0,0018

TM30 DETAILS

Rf 79,6
Fidelity index Rf

Rg 104,9
Gammut index

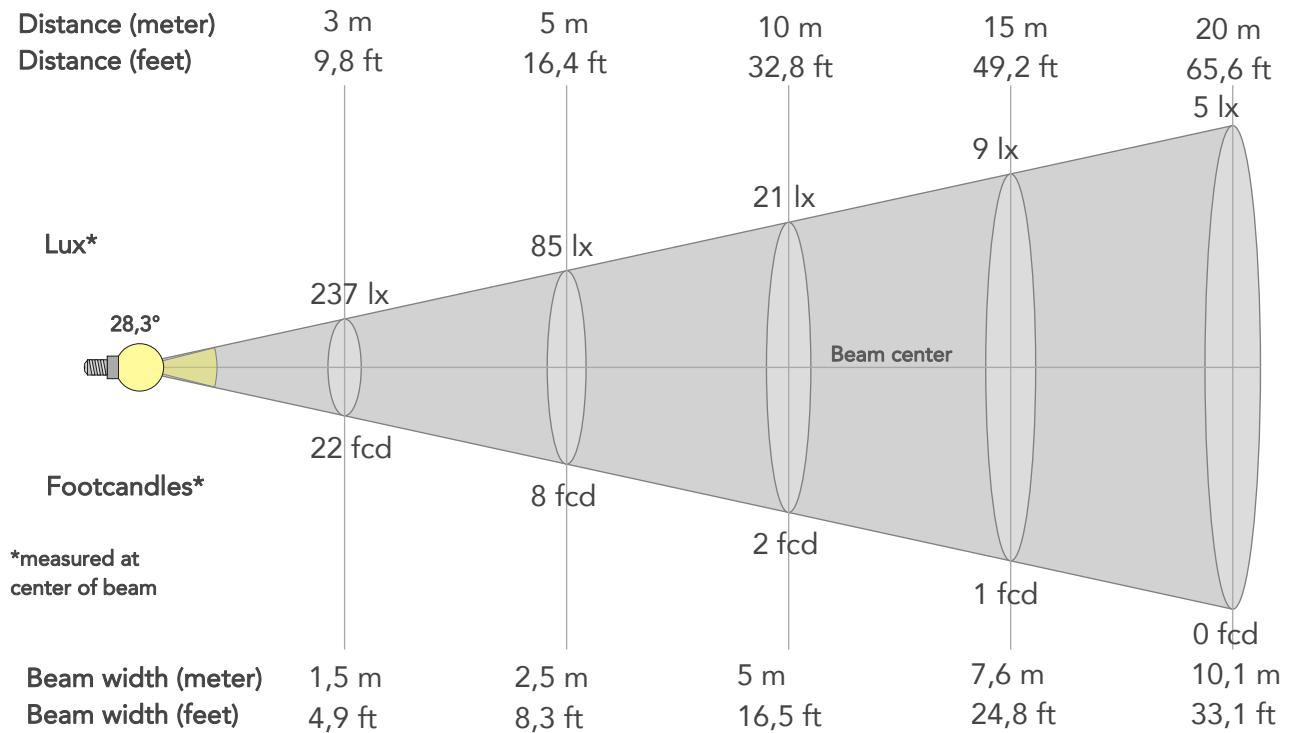
		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	91	-2%	-3%
2	91	-4%	2%
3	79	-1%	12%
4	75	3%	16%
5	77	9%	12%
6	83	11%	2%
7	89	4%	-6%
8	88	-4%	-6%
9	85	-12%	4%
10	69	-10%	17%
11	59	-2%	26%
12	70	3%	20%
13	79	12%	15%
14	78	12%	5%
15	79	19%	-6%
16	87	4%	-7%



BEAM DETAILS



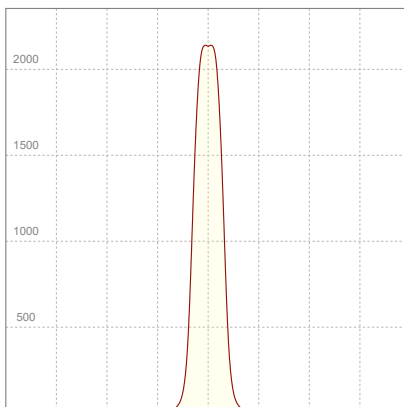
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
28,3°	40,8°	52,1°	99,1%	98,1%



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	2134lx	534lx	237lx	133lx	85lx	38lx	21lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	198fcd	50fcd	22fcd	12fcd	8fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,5m	2m	2,5m	3,8m	5m	7,6m	10,1m	12,6m	15,1m	20,2m	25,2m
Beam wid.	1,7ft	3,3ft	4,9ft	6,6ft	8,3ft	12,4ft	16,5ft	24,8ft	33,1ft	41,3ft	49,6ft	66,1ft	82,7ft

LINEAR DISTRIBUTION DIAGRAM

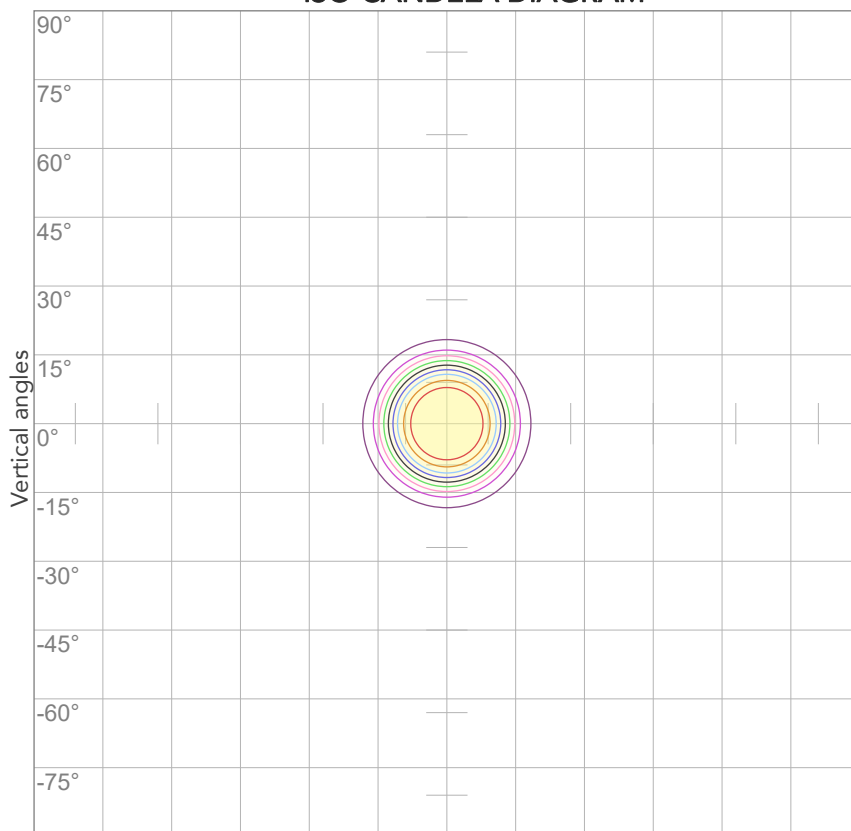


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,145A	28,6W	0,87	17lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



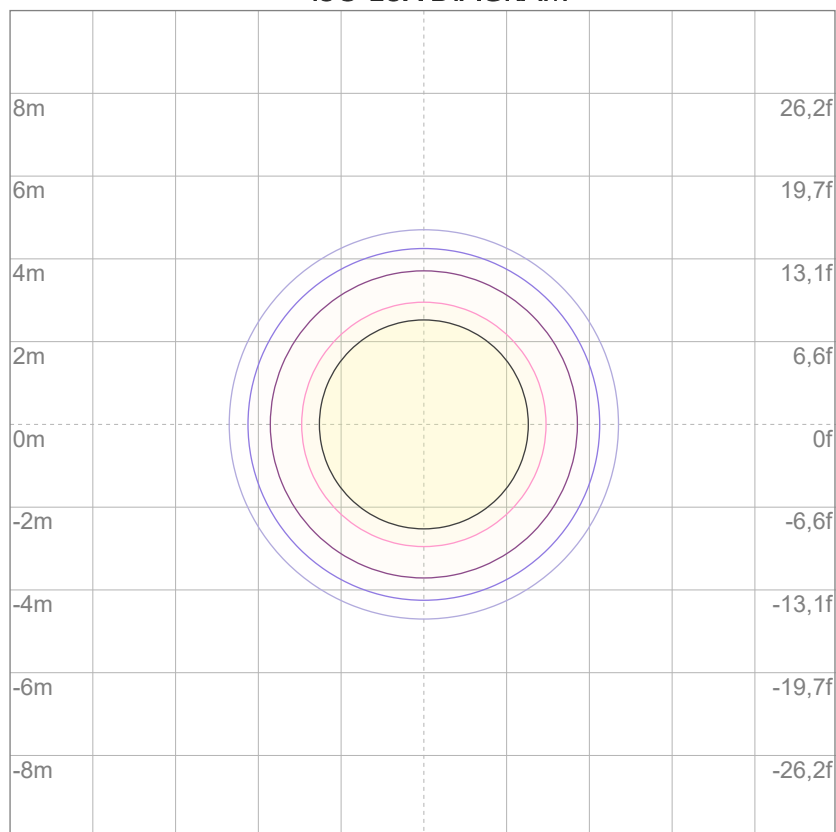
10%	213 cd
20%	427 cd
30%	640 cd
40%	854 cd
50%	1067 cd
60%	1281 cd
70%	1494 cd
80%	1707 cd

Conditions:

Number of c-planes: 2

Candela at center: 2134 cd

ISO LUX DIAGRAM



3%	0,640 lx
5%	1,07 lx
10%	2,13 lx
30%	6,40 lx
50%	10,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 21,3 lx

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



Total lumen output:

681 lm

Peak candela output:

812 cd

Light quality:

CRI: 82,5

Color temperature:

6019 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 25-50 Lens - Max Zoom

Target:

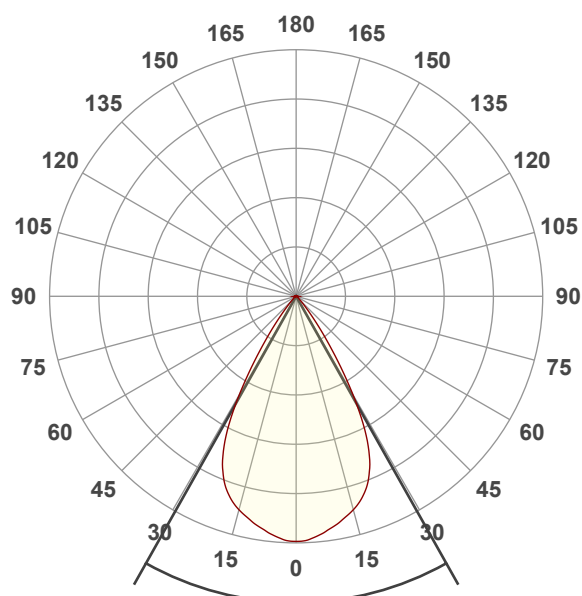
6000K

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 17:47:02

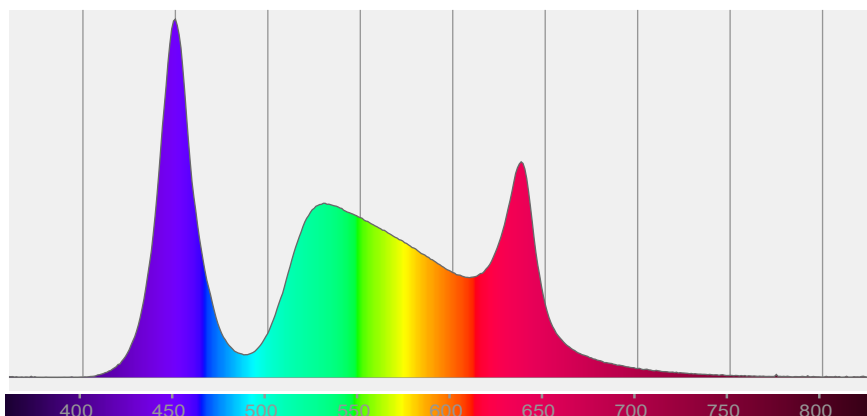


Beam angle 50%: 58,7°

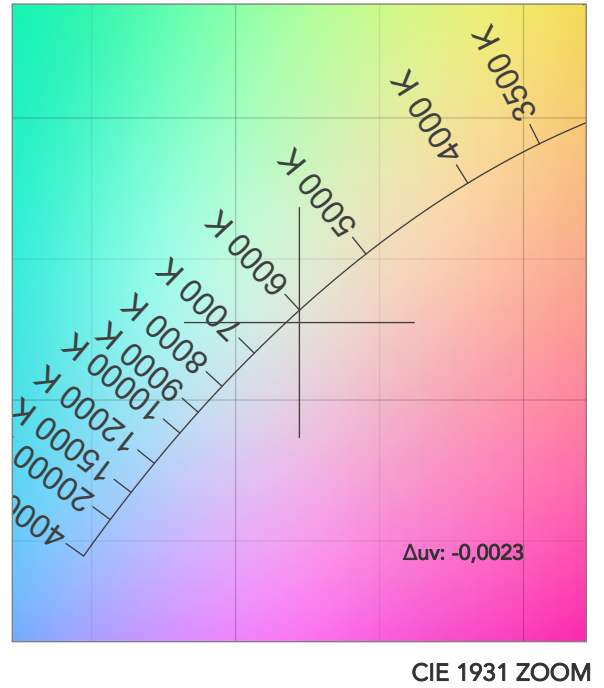
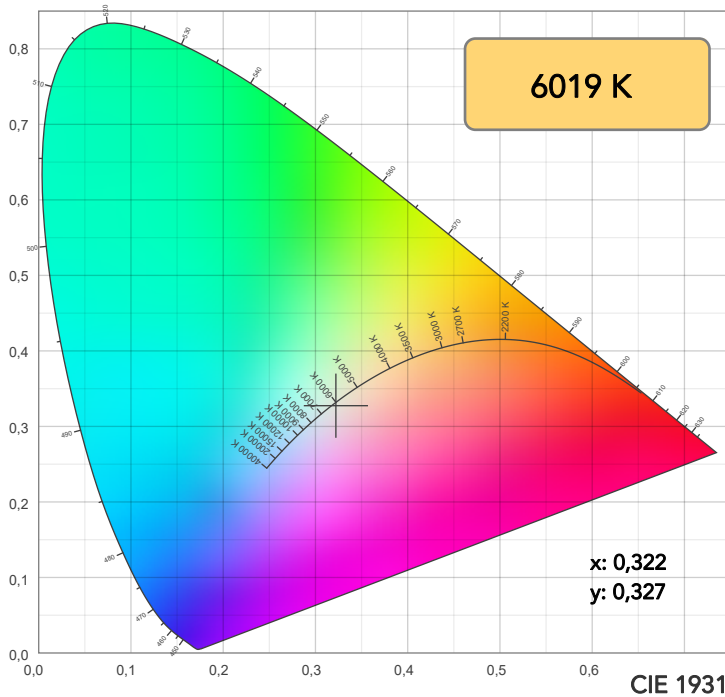
Field angle 10%: 77,3°

Cut off angle 2.5%: 91,5°

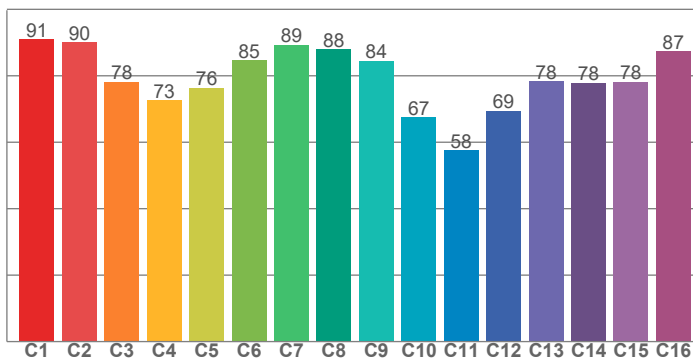
Spectra



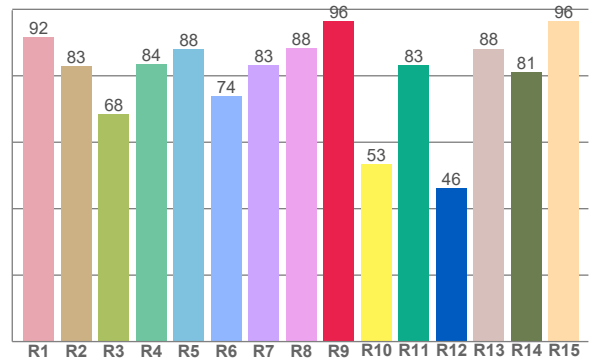
COLOR DETAILS



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
91,6	82,8	68,5	83,6	88,1	74,0	83,2	88,3	96,4	53,4	83,1	46,3	88,2	81,1	96,3

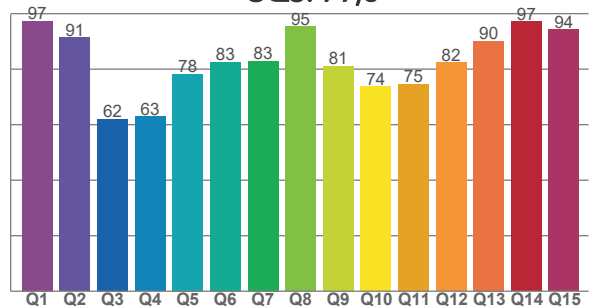
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91,1	90,1	78,1	72,5	76,3	84,7	89,3	88,0	84,5	67,5	57,6	69,4	78,4	77,9	78,1	87,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,3	91,4	62,0	63,0	78,3	82,6	82,9	95,4	81,1	73,7	74,7	82,4	90,1	97,2	94,3

CQS: 79,8



COLOR PARAMETERS

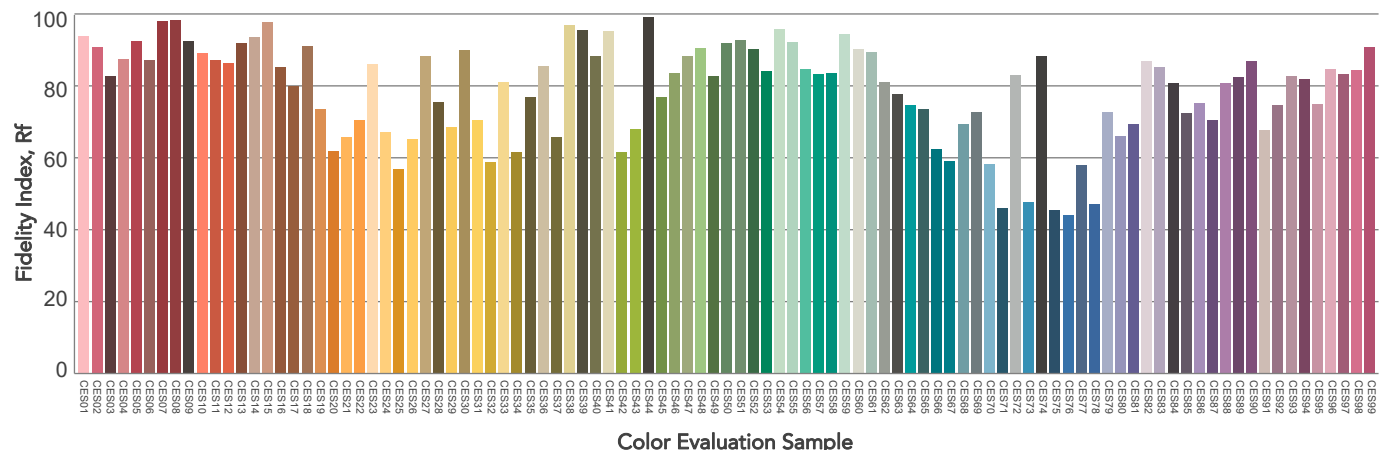
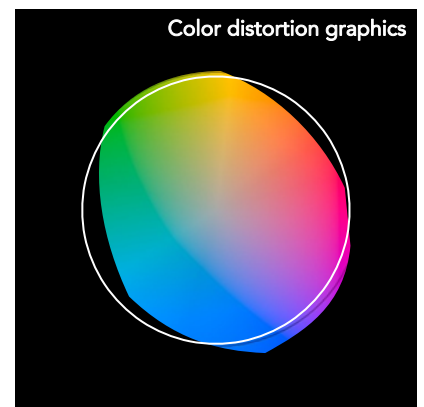
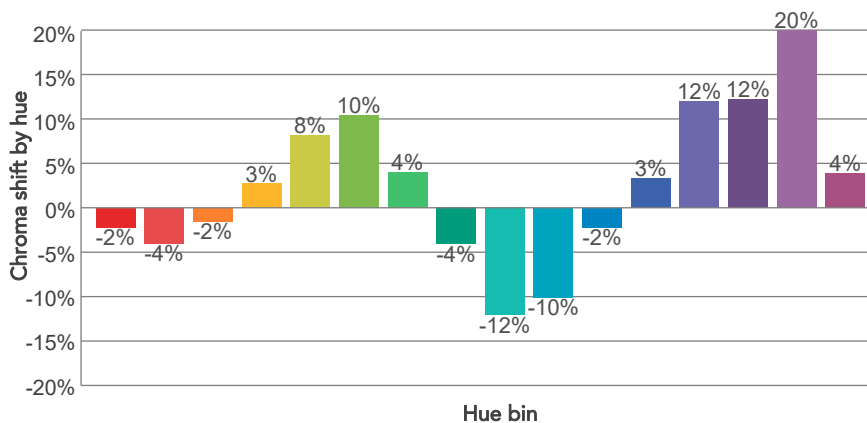
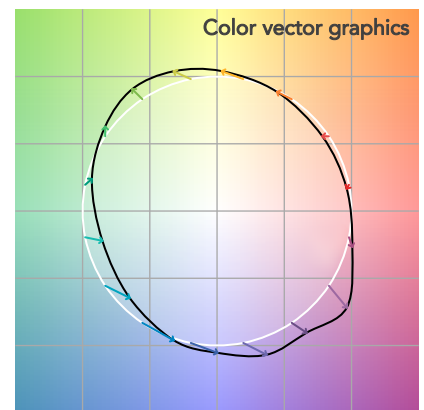
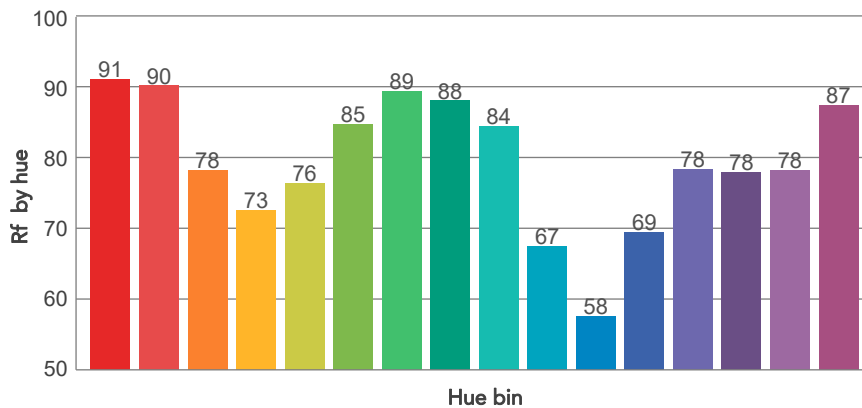
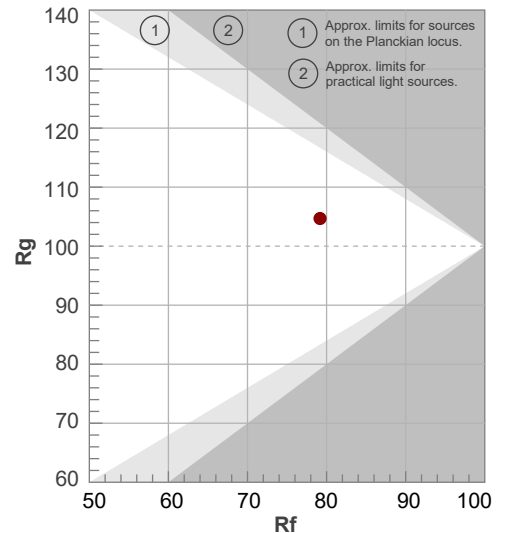
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6019 K	82,5	96,4	79,2	104,7	79,8	73	0,322	0,327	-0,0023

TM30 DETAILS

Rf 79,2
Fidelity index Rf

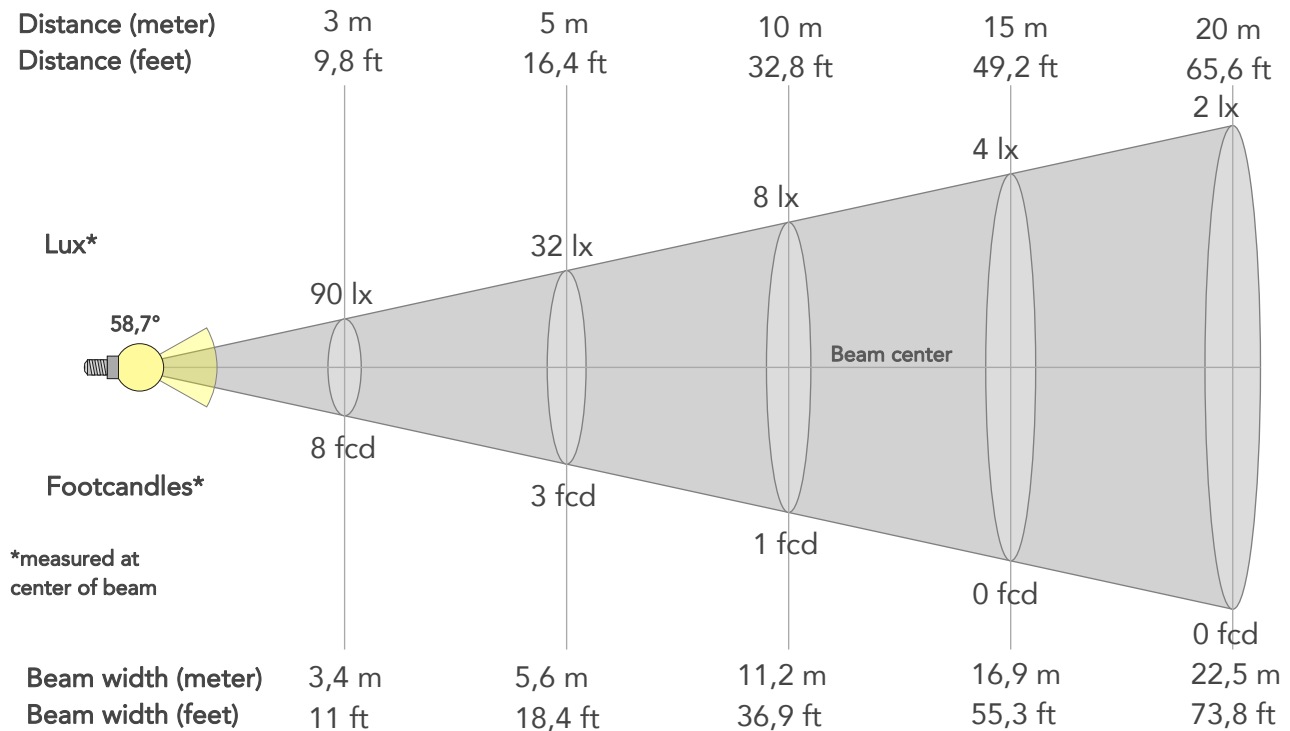
Rg 104,7
Gammut index

		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	91	-2%	-2%
2	90	-4%	3%
3	78	-2%	12%
4	73	3%	17%
5	76	8%	11%
6	85	10%	2%
7	89	4%	-6%
8	88	-4%	-5%
9	84	-12%	5%
10	67	-10%	18%
11	58	-2%	27%
12	69	3%	21%
13	78	12%	15%
14	78	12%	5%
15	78	20%	-6%
16	87	4%	-6%



BEAM DETAILS

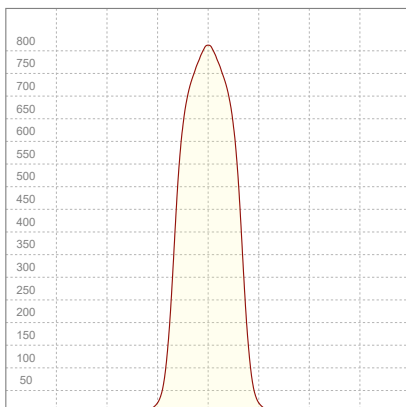
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,7°	77,3°	91,5°	99,1%	97,2%



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	812lx	203lx	90lx	51lx	32lx	14lx	8lx	4lx	2lx	1lx	1lx	1lx	0lx
Footcand.	75fcd	19fcd	8fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,4m	4,5m	5,6m	8,4m	11,2m	16,9m	22,5m	28,1m	33,7m	45m	56,2m
Beam wid.	3,7ft	7,4ft	11ft	14,7ft	18,4ft	27,7ft	36,9ft	55,3ft	73,8ft	92,2ft	110,7ft	147,6ft	184,5ft

LINEAR DISTRIBUTION DIAGRAM

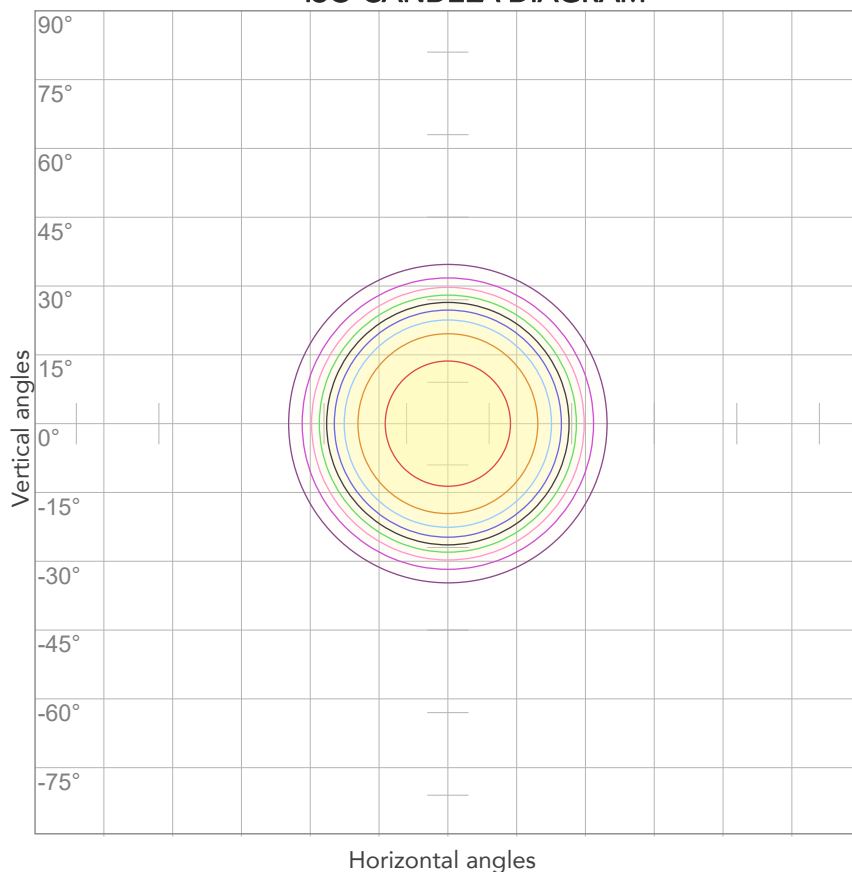


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,147A	29,0W	0,87	23lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



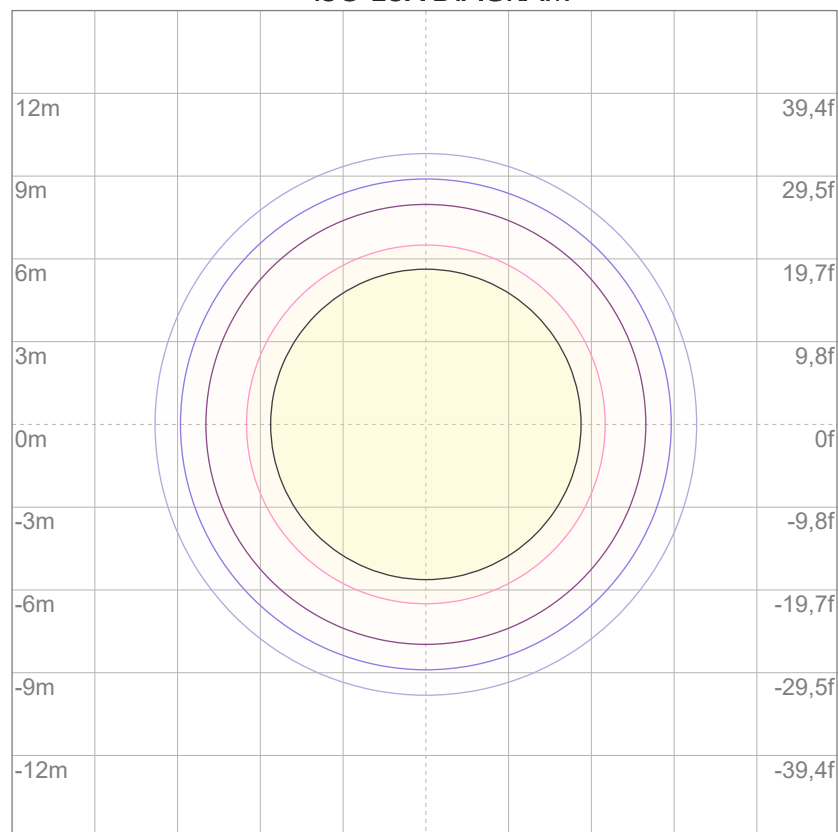
10%	81 cd
20%	162 cd
30%	244 cd
40%	325 cd
50%	406 cd
60%	487 cd
70%	569 cd
80%	650 cd

Conditions:

Number of c-planes: 2

Candela at center: 812 cd

ISO LUX DIAGRAM



3%	0,244 lx
5%	0,406 lx
10%	0,812 lx
30%	2,44 lx
50%	4,06 lx

Conditions:

Number of c-planes: 2

Lux at center: 8,12 lx

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



Total lumen output:

499 lm

Peak candela output:

2157 cd

Light quality:

CRI: 82,8

Color temperature:

6005 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 25-50 Lens - Min Zoom

Target:

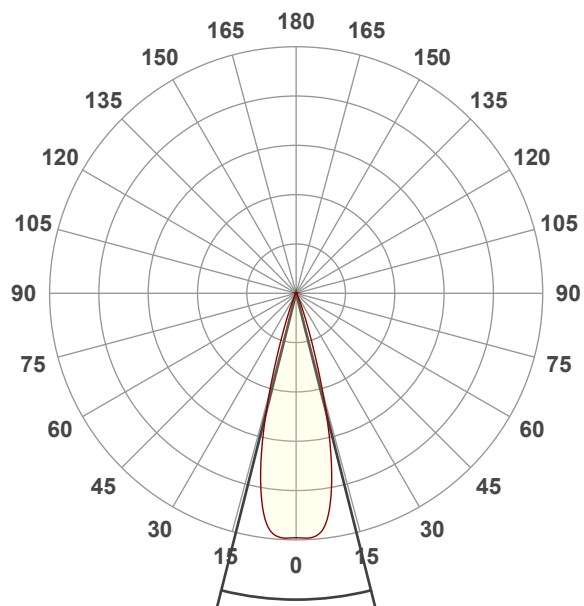
6000K

Operator:

Giuseppe della Peruta

Date and time:

23/07/2025 17:57:18

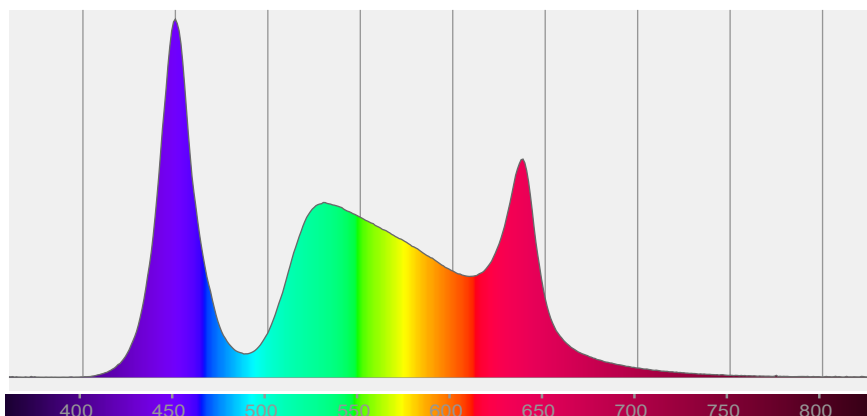


Beam angle 50%: 28,3°

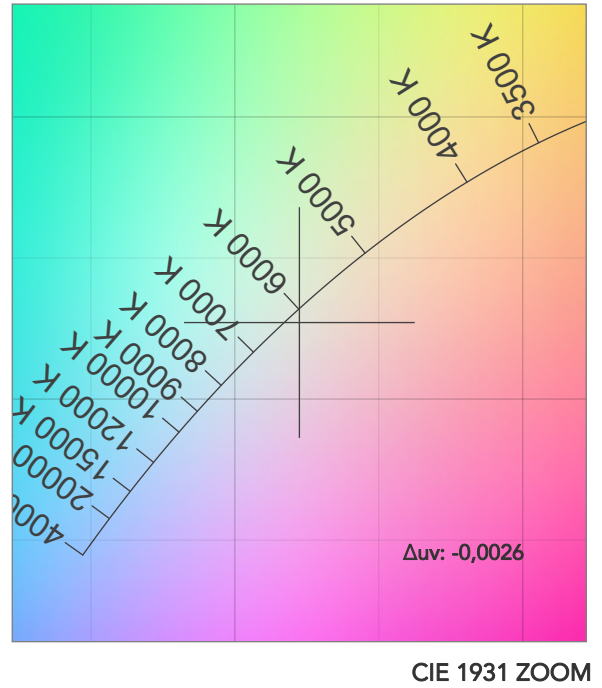
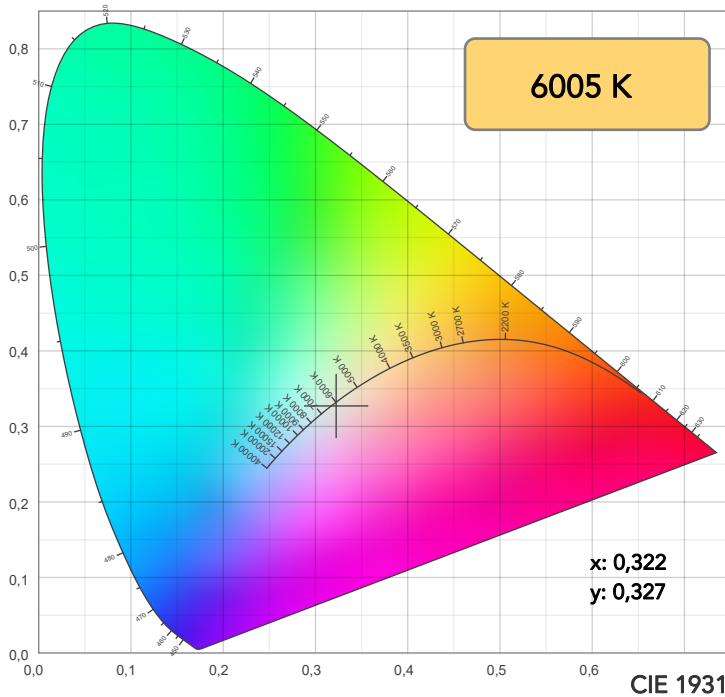
Field angle 10%: 40,8°

Cut off angle 2.5%: 52,1°

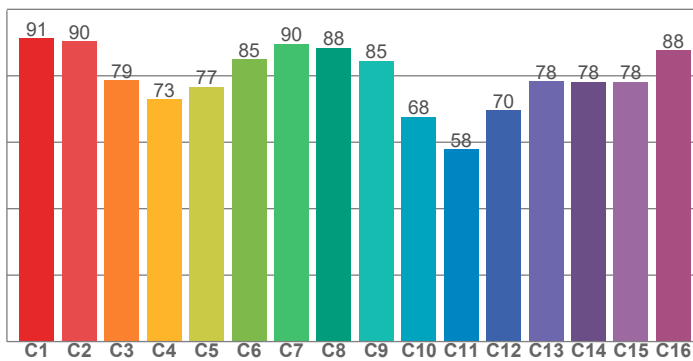
Spectra



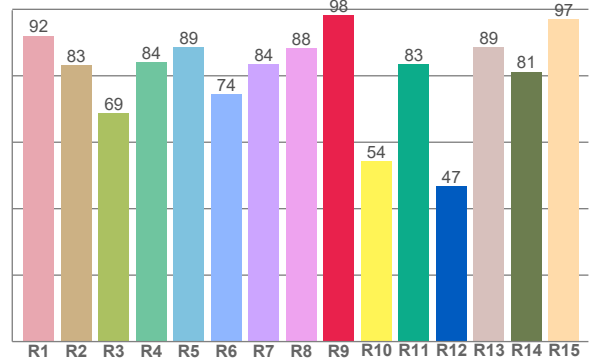
COLOR DETAILS



TM30: 79,4



CRI: 82,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92,1	83,2	68,7	84,0	88,5	74,4	83,5	88,3	98,2	54,4	83,5	46,8	88,7	81,2	97,0

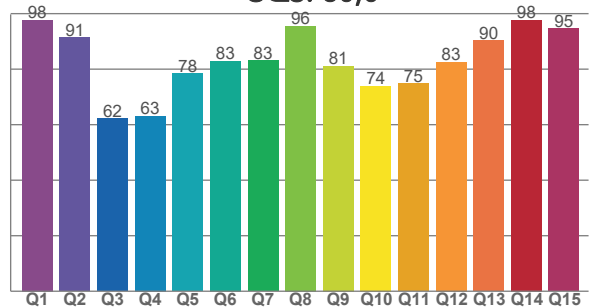
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91,3	90,3	78,6	72,9	76,7	85,0	89,6	88,4	84,6	67,6	57,9	69,6	78,4	78,1	78,2	87,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,7	91,4	62,2	63,1	78,5	82,9	83,2	95,5	81,1	74,0	74,9	82,6	90,3	97,7	94,6

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
6005 K	82,8	98,2	79,4	104,8	80,0	74	0,322	0,327	-0,0026

TM30 DETAILS

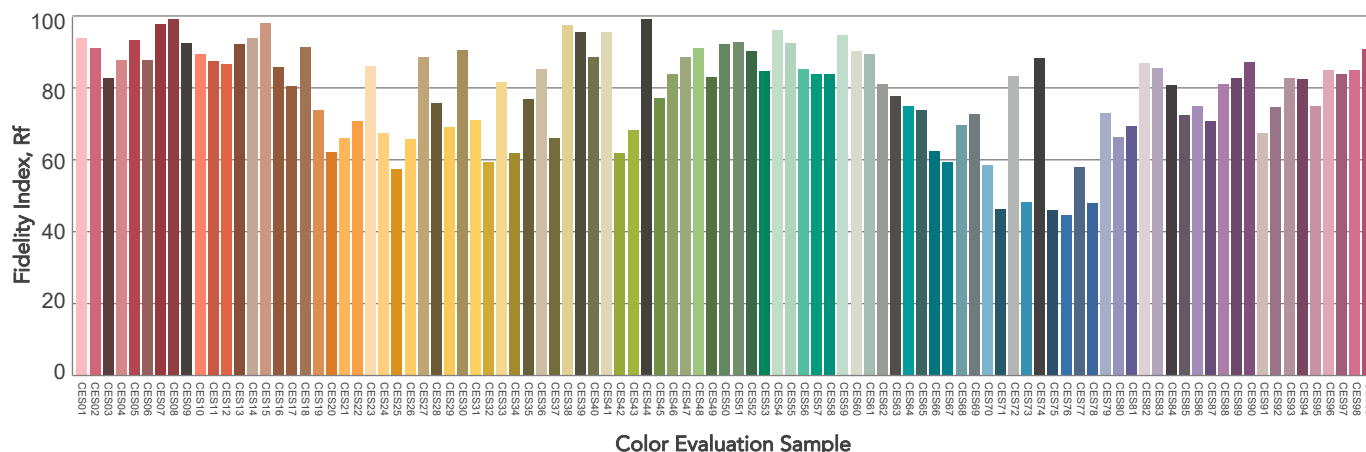
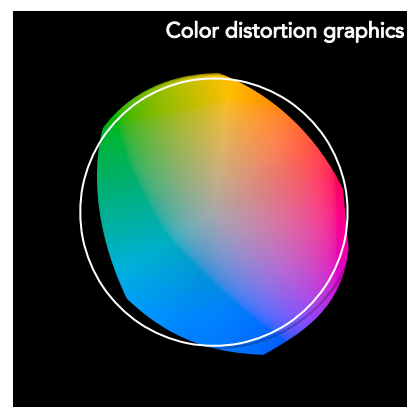
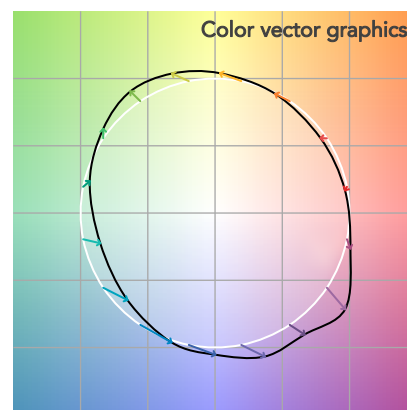
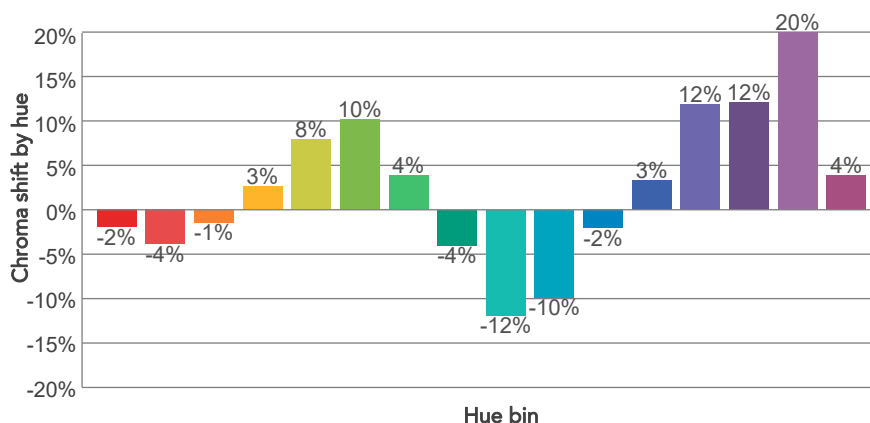
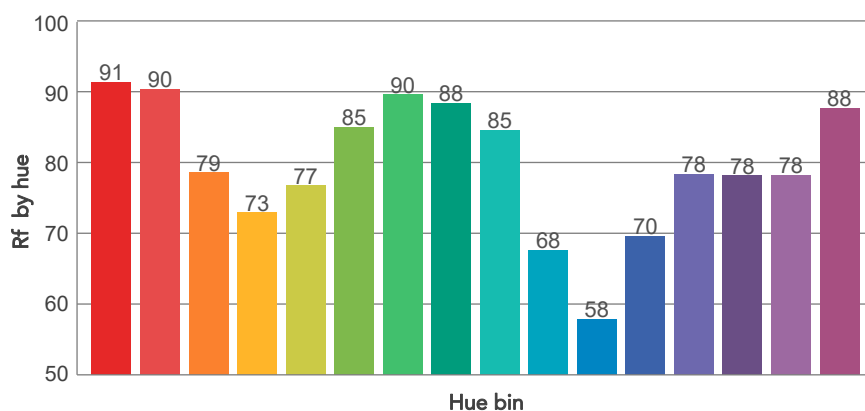
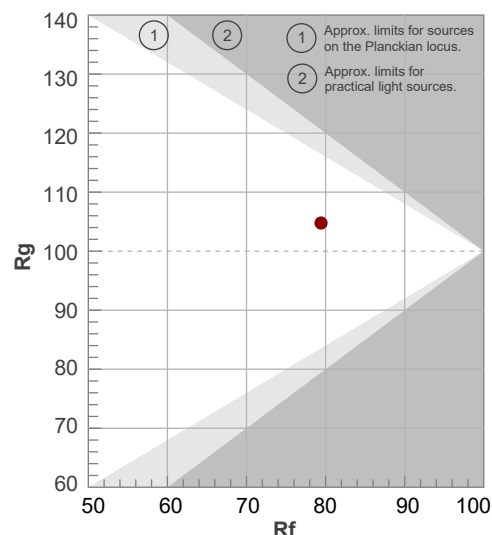
Rf 79,4

Fidelity index Rf

Rg 104,8

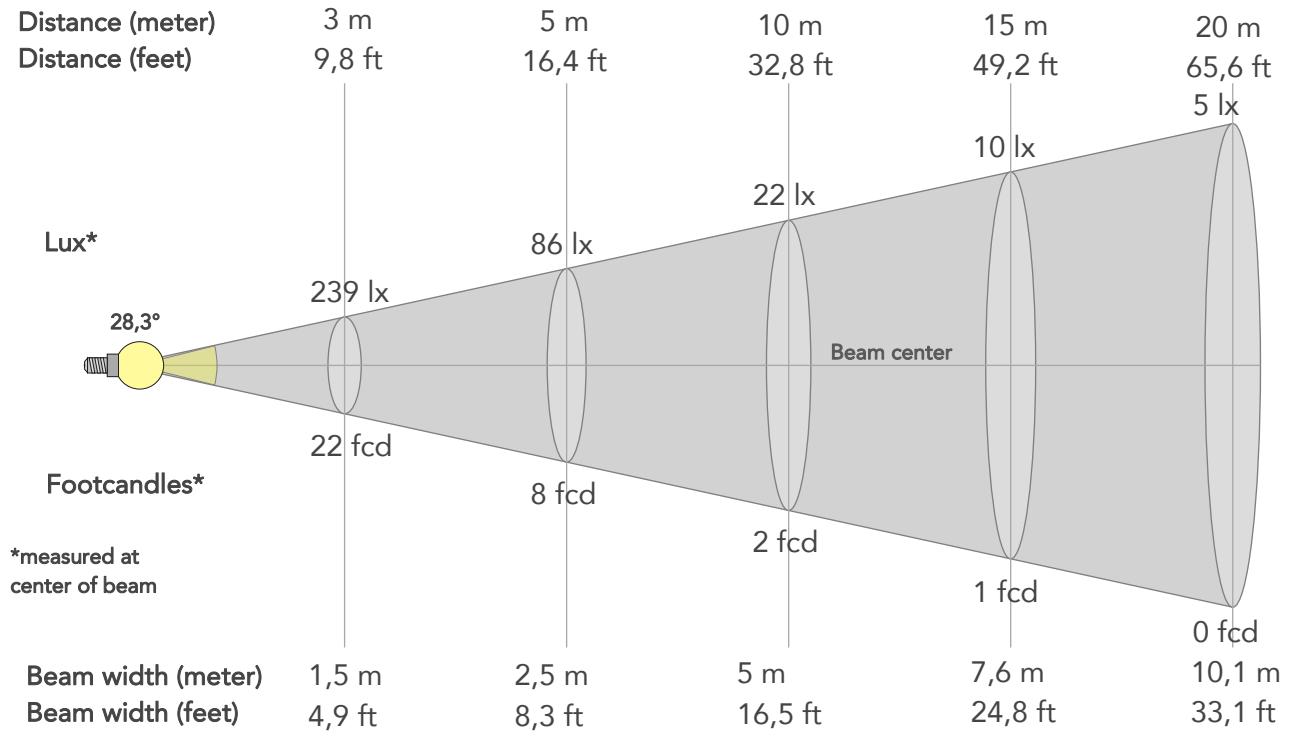
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-2%	-2%
2	90	-4%	3%
3	79	-1%	12%
4	73	3%	17%
5	77	8%	11%
6	85	10%	2%
7	90	4%	-6%
8	88	-4%	-5%
9	85	-12%	5%
10	68	-10%	18%
11	58	-2%	26%
12	70	3%	21%
13	78	12%	15%
14	78	12%	5%
15	78	20%	-6%
16	88	4%	-6%



BEAM DETAILS

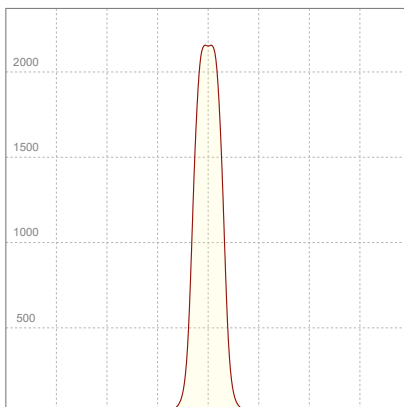
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
28,3°	40,8°	52,1°	98,4%	97,4%



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	2152lx	538lx	239lx	134lx	86lx	38lx	22lx	10lx	5lx	3lx	2lx	1lx	1lx
Footcand.	200fcd	50fcd	22fcd	12fcd	8fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,5m	2m	2,5m	3,8m	5m	7,6m	10,1m	12,6m	15,1m	20,2m	25,2m
Beam wid.	1,7ft	3,3ft	4,9ft	6,6ft	8,3ft	12,4ft	16,5ft	24,8ft	33,1ft	41,3ft	49,6ft	66,1ft	82,7ft

LINEAR DISTRIBUTION DIAGRAM

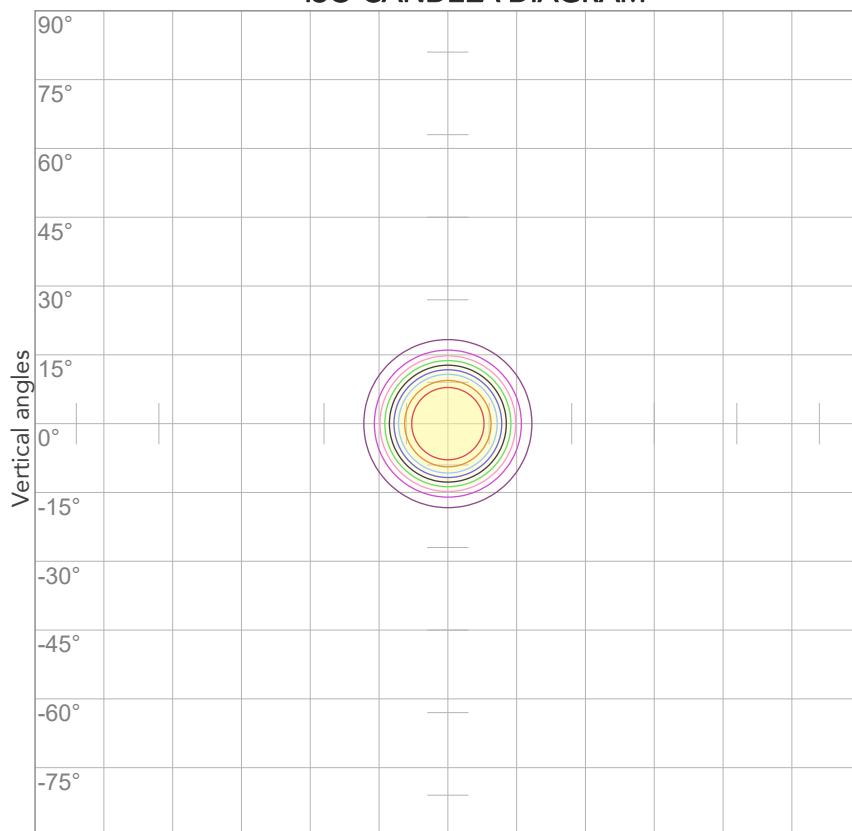


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,147A	29,0W	0,87	17lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



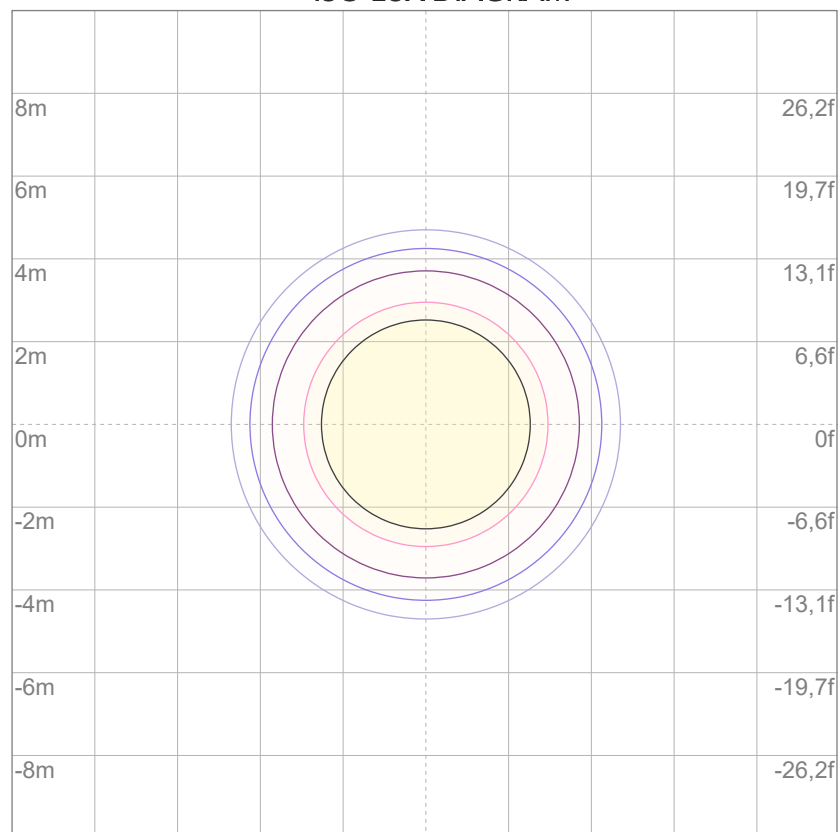
10%	215 cd
20%	430 cd
30%	646 cd
40%	861 cd
50%	1076 cd
60%	1291 cd
70%	1506 cd
80%	1721 cd

Conditions:

Number of c-planes: 2

Candela at center: 2152 cd

ISO LUX DIAGRAM



3%	0,646 lx
5%	1,08 lx
10%	2,15 lx
30%	6,46 lx
50%	10,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 21,5 lx

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