



Photometric Test Report



EclDisplay XBFC

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

WASH LENS 15-30

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Min Zoom	70

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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:

818 lm

Peak candela output:

3109 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 15-30 Lens - Max Zoom

Target:

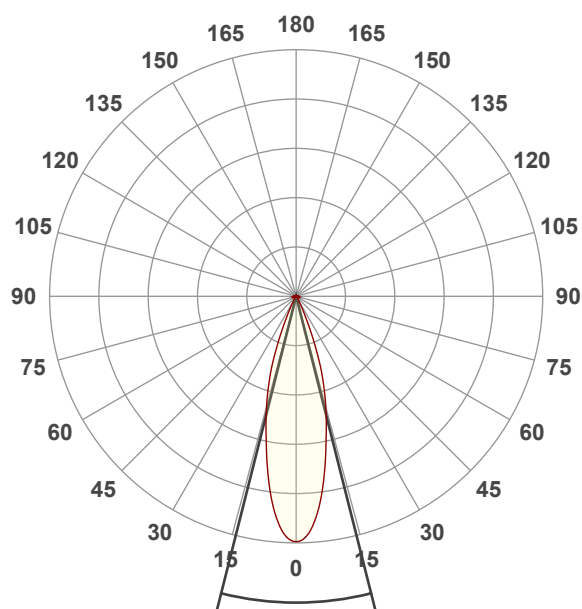
Full On

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 11:34:25

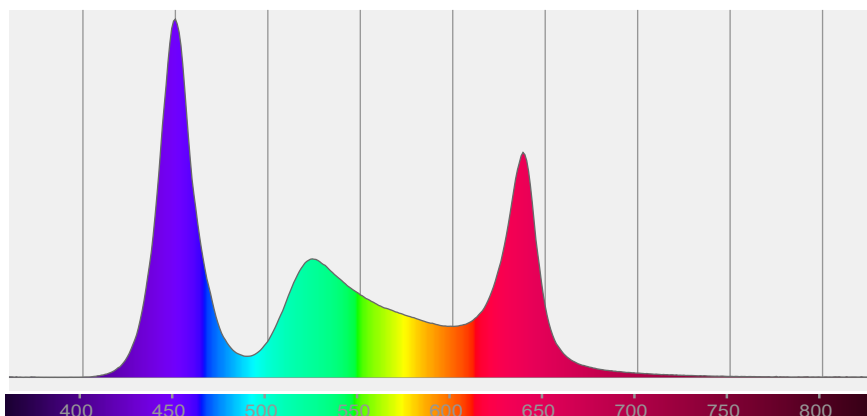


Beam angle 50%: 28,3°

Field angle 10%: 48,4°

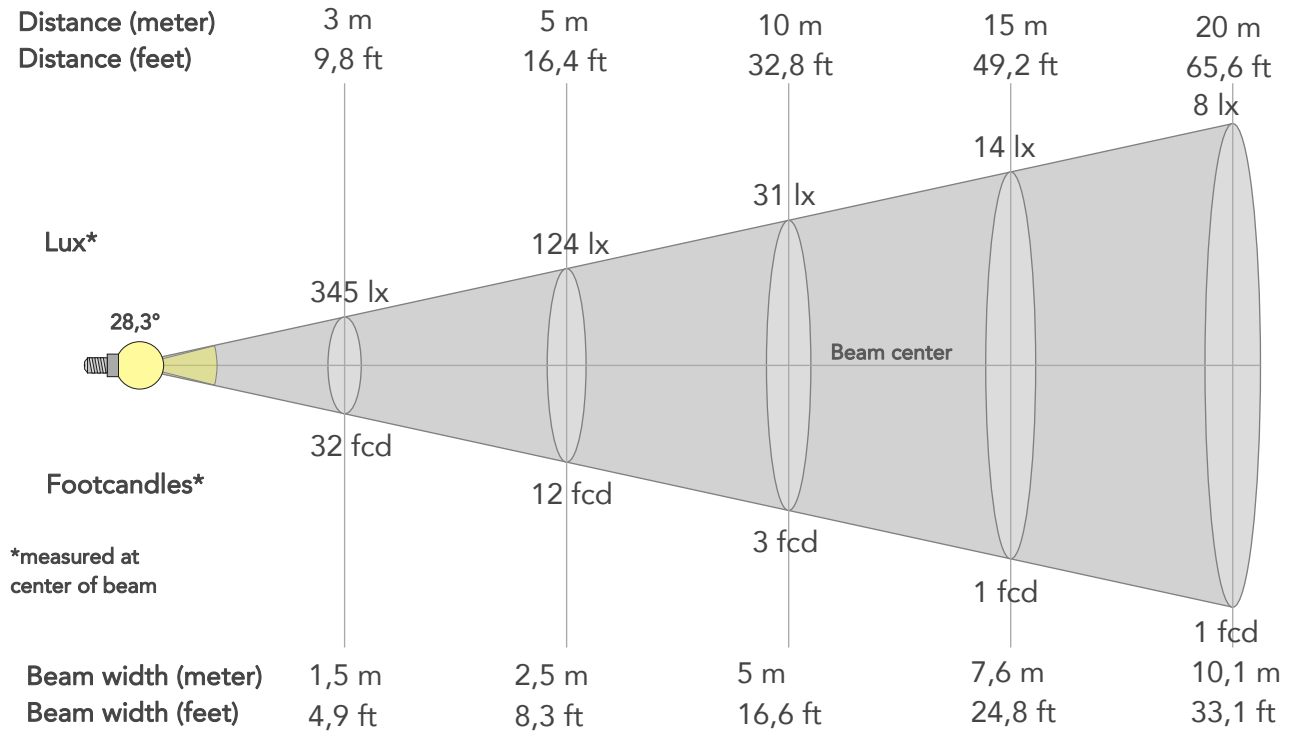
Cut off angle 2.5%: 59,1°

Spectra



BEAM DETAILS

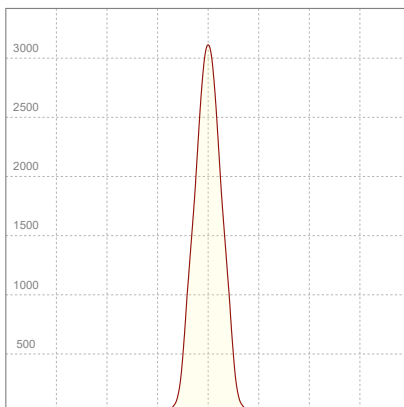
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
28,3°	48,4°	59,1°	99,1%	98,2%



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	3109lx	777lx	345lx	194lx	124lx	55lx	31lx	14lx	8lx	5lx	3lx	2lx	1lx
Footcand.	289fcd	72fcd	32fcd	18fcd	12fcd	5fcd	3fcd	1fcd	1fcd	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	16,6ft	24,8ft	33,1ft	41,4ft	49,7ft	66,2ft	82,8ft

LINEAR DISTRIBUTION DIAGRAM

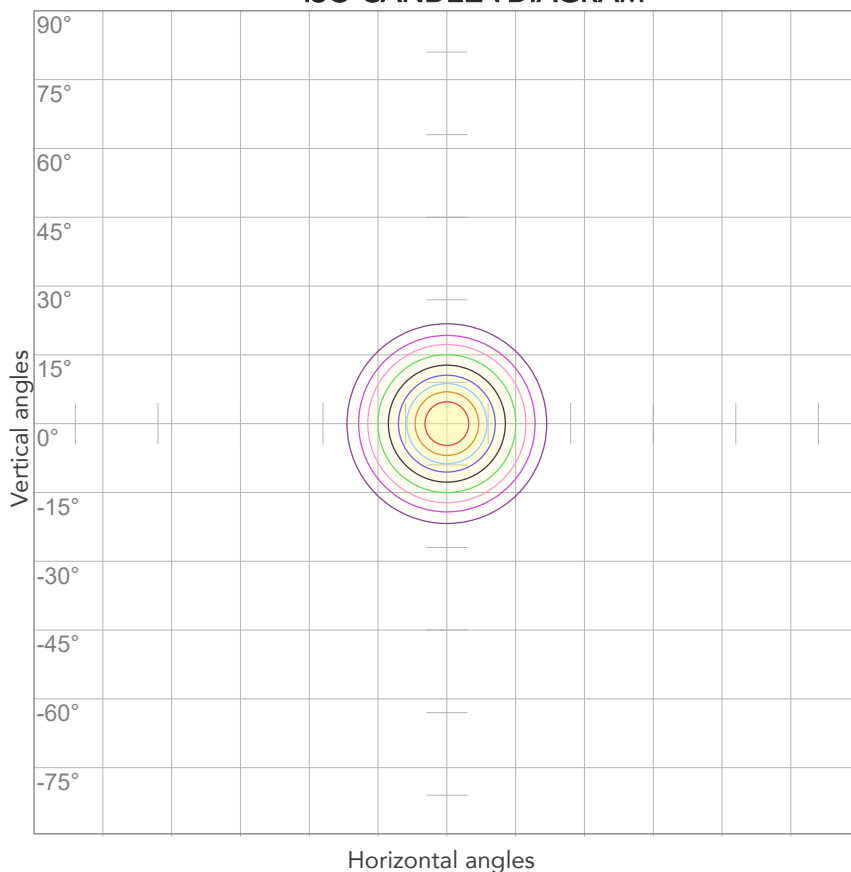


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,217A	45,9W	0,93	18lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



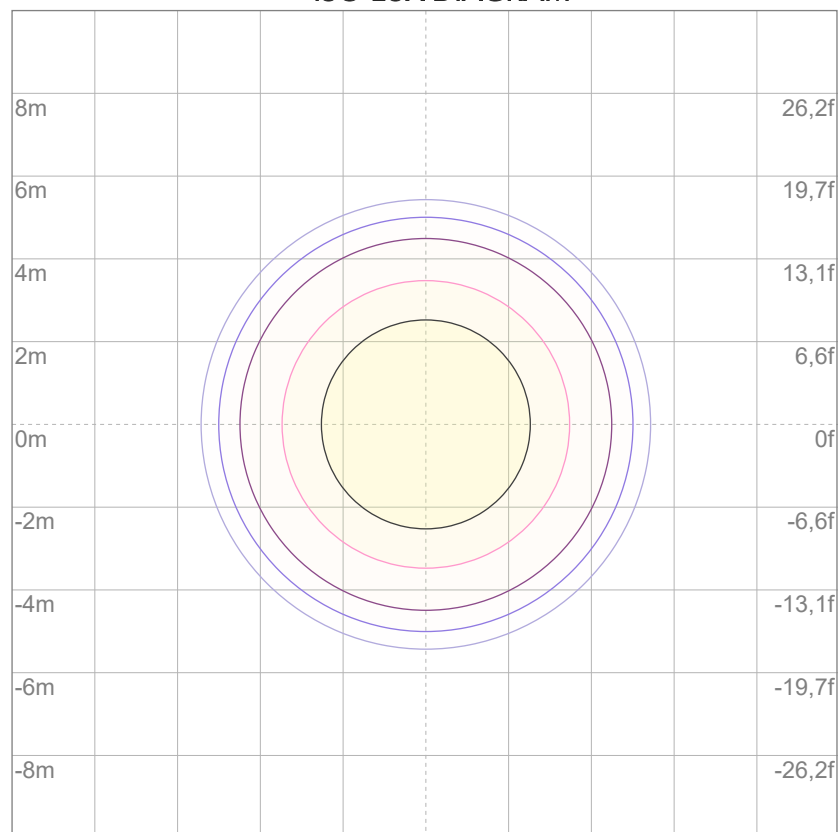
10%	311 cd
20%	622 cd
30%	933 cd
40%	1244 cd
50%	1555 cd
60%	1865 cd
70%	2176 cd
80%	2487 cd

Conditions:

Number of c-planes: 2

Candela at center: 3109 cd

ISO LUX DIAGRAM



3%	0,933 lx
5%	1,55 lx
10%	3,11 lx
30%	9,33 lx
50%	15,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 31,1 lx

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



Total lumen output:

681 lm

Peak candela output:

6277 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 15-30 Lens - Min Zoom

Target:

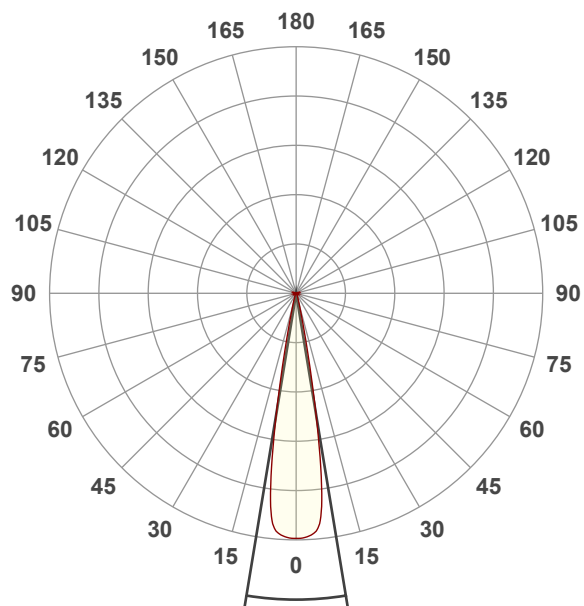
Full On

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 12:52:02

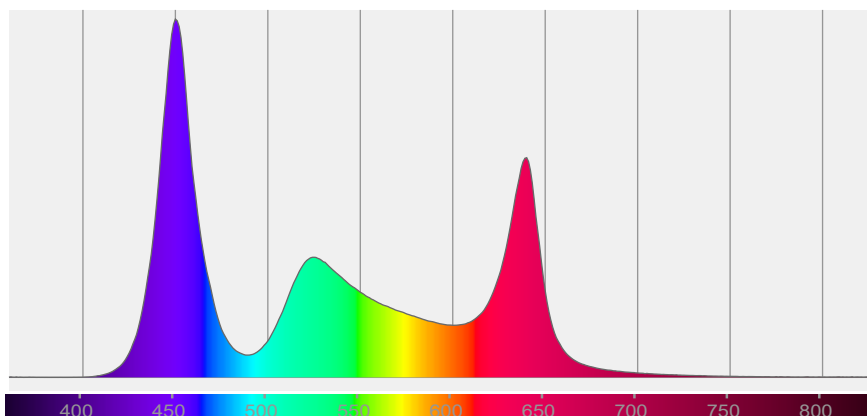


Beam angle 50%: 18,7°

Field angle 10%: 26,5°

Cut off angle 2.5%: 37,6°

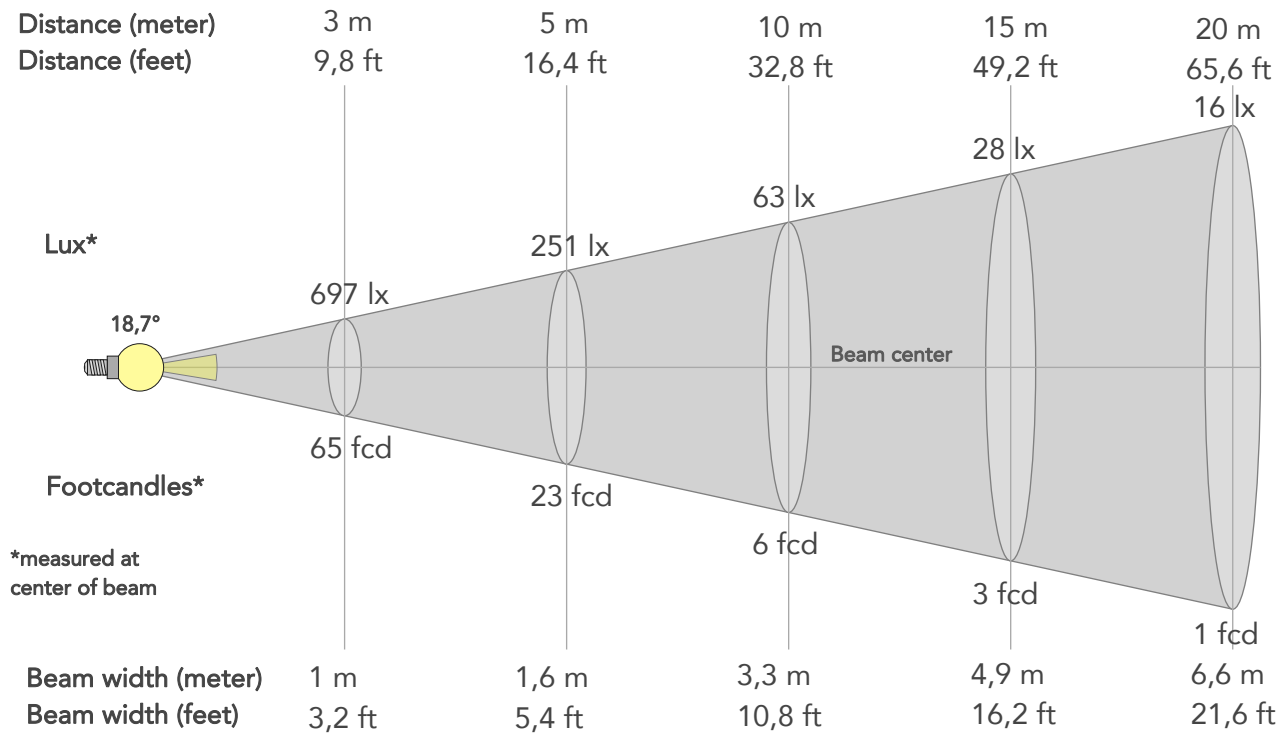
Spectra



BEAM DETAILS



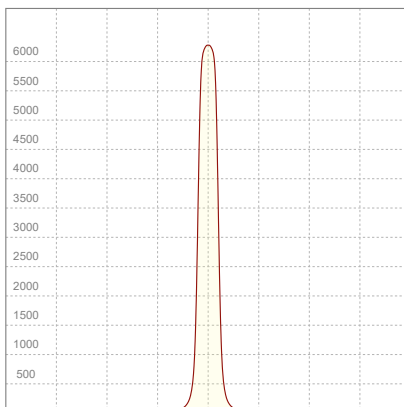
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,7°	26,5°	37,6°	98,9%	97,9%



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	6277lx	1569lx	697lx	392lx	251lx	112lx	63lx	28lx	16lx	10lx	7lx	4lx	3lx
Footcand.	583fcd	146fcd	65fcd	36fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,6m	2,5m	3,3m	4,9m	6,6m	8,2m	9,9m	13,2m	16,4m
Beam wid.	1,1ft	2,2ft	3,2ft	4,3ft	5,4ft	8,1ft	10,8ft	16,2ft	21,6ft	27ft	32,4ft	43,1ft	53,9ft

LINEAR DISTRIBUTION DIAGRAM

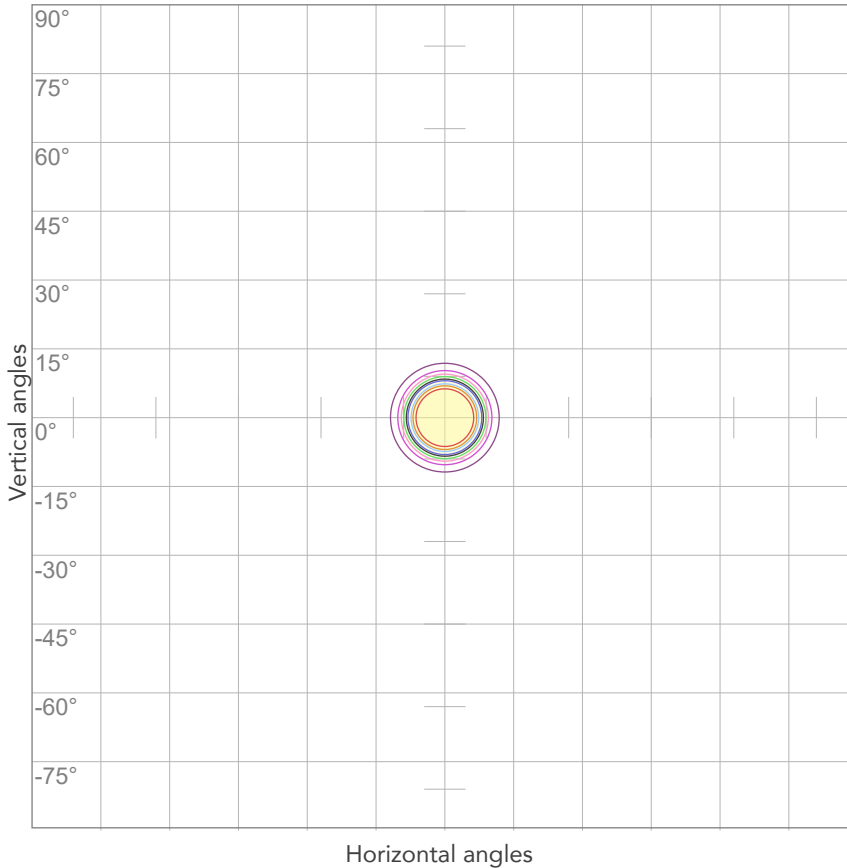


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,212A	44,7W	0,93	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



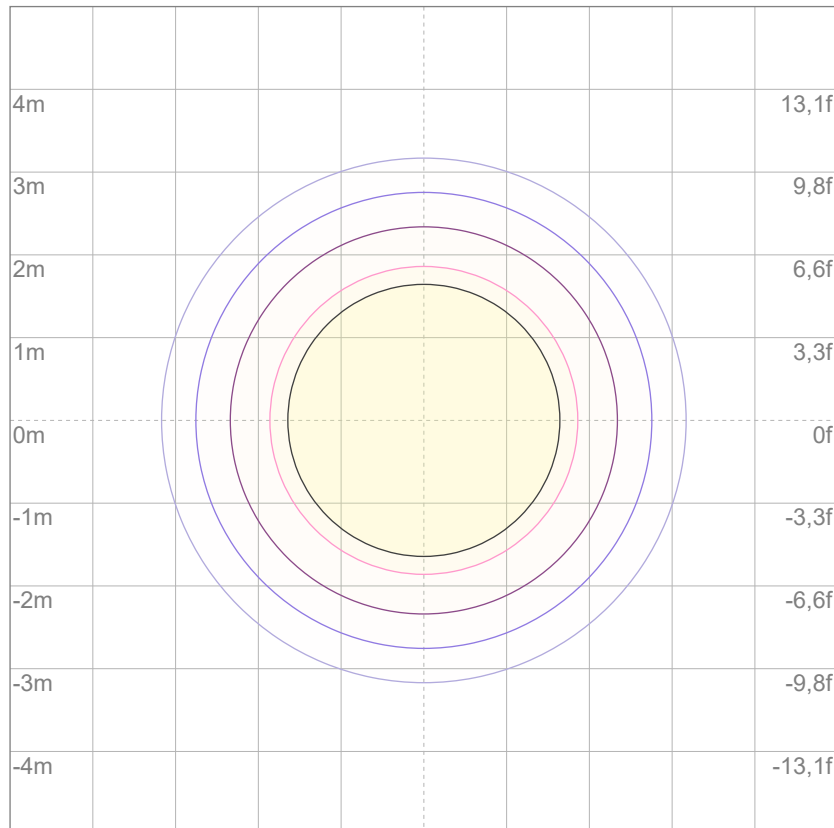
10%	628 cd
20%	1255 cd
30%	1883 cd
40%	2511 cd
50%	3139 cd
60%	3766 cd
70%	4394 cd
80%	5022 cd

Conditions:

Number of c-planes: 2

Candela at center: 6277 cd

ISO LUX DIAGRAM



3%	1,88 lx
5%	3,14 lx
10%	6,28 lx
30%	18,8 lx
50%	31,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 62,8 lx

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



Total lumen output:

126 lm

Peak candela output:

477 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 15-30 Lens - Max Zoom

Target:

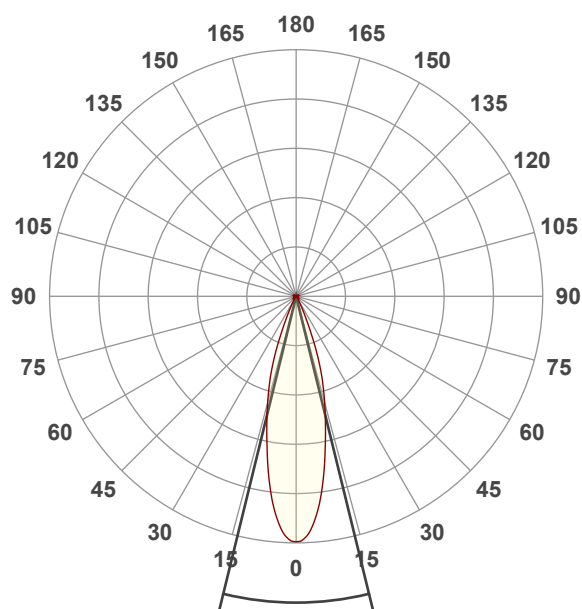
Red

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 11:37:35

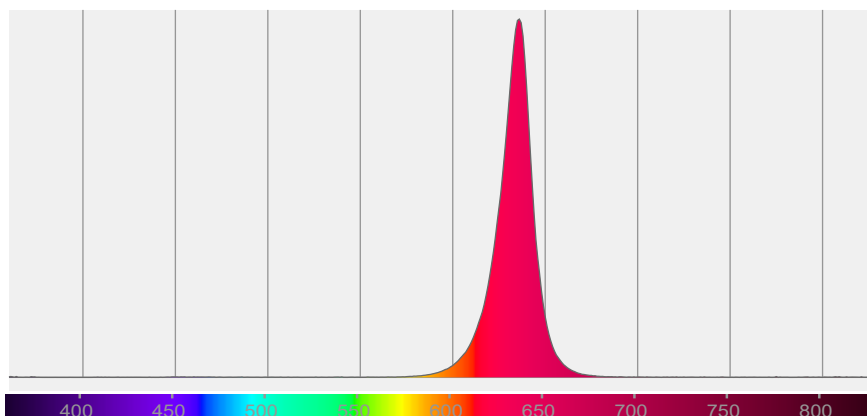


Beam angle 50%: 27,5°

Field angle 10%: 47,9°

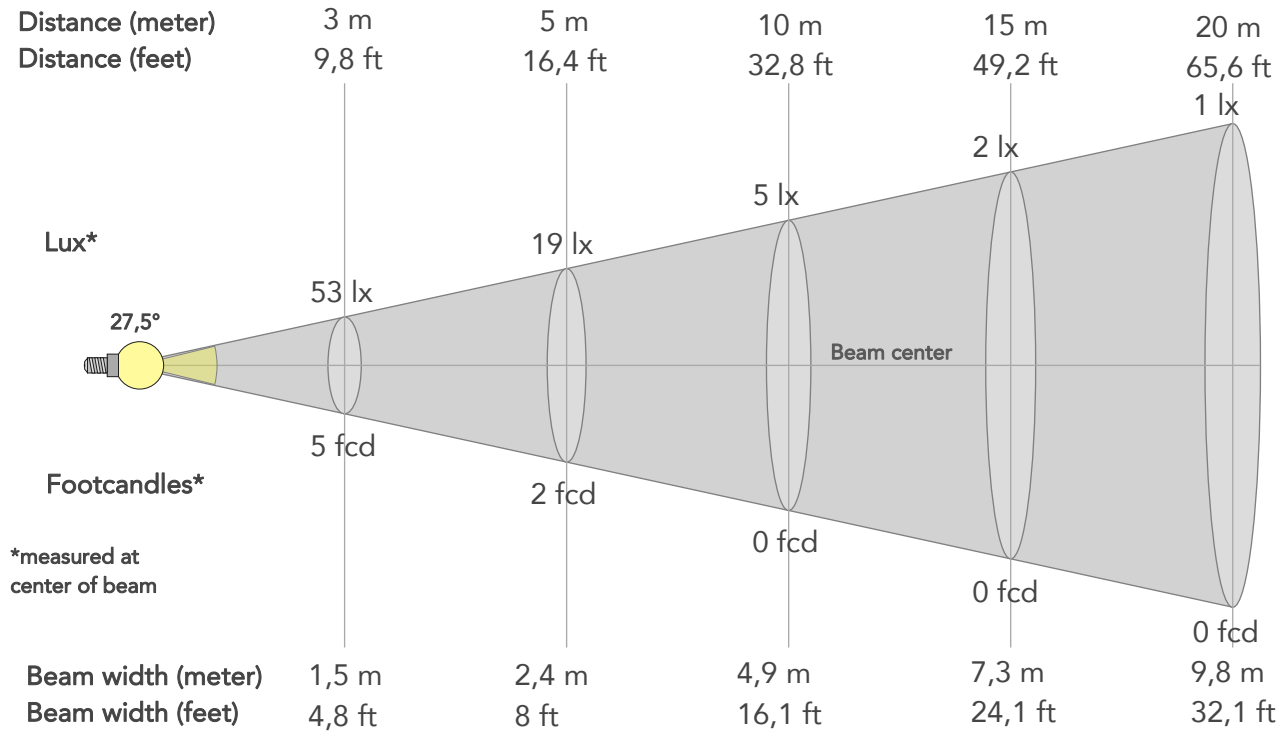
Cut off angle 2.5%: 59,2°

Spectra



BEAM DETAILS

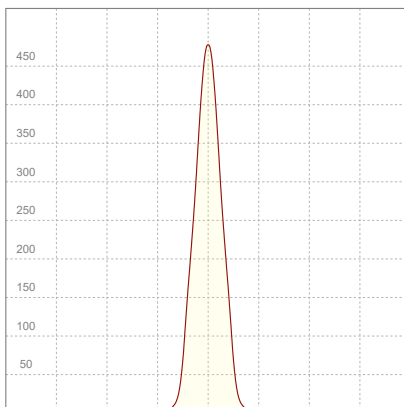
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27,5°	47,9°	59,2°	97,2%	95,5%



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	477lx	119lx	53lx	30lx	19lx	8lx	5lx	2lx	1lx	1lx	1lx	0lx	0lx
Footcand.	44fcd	11fcd	5fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,5m	2m	2,4m	3,7m	4,9m	7,3m	9,8m	12,2m	14,7m	19,6m	24,5m
Beam wid.	1,6ft	3,2ft	4,8ft	6,4ft	8ft	12ft	16,1ft	24,1ft	32,1ft	40,2ft	48,2ft	64,3ft	80,3ft

LINEAR DISTRIBUTION DIAGRAM

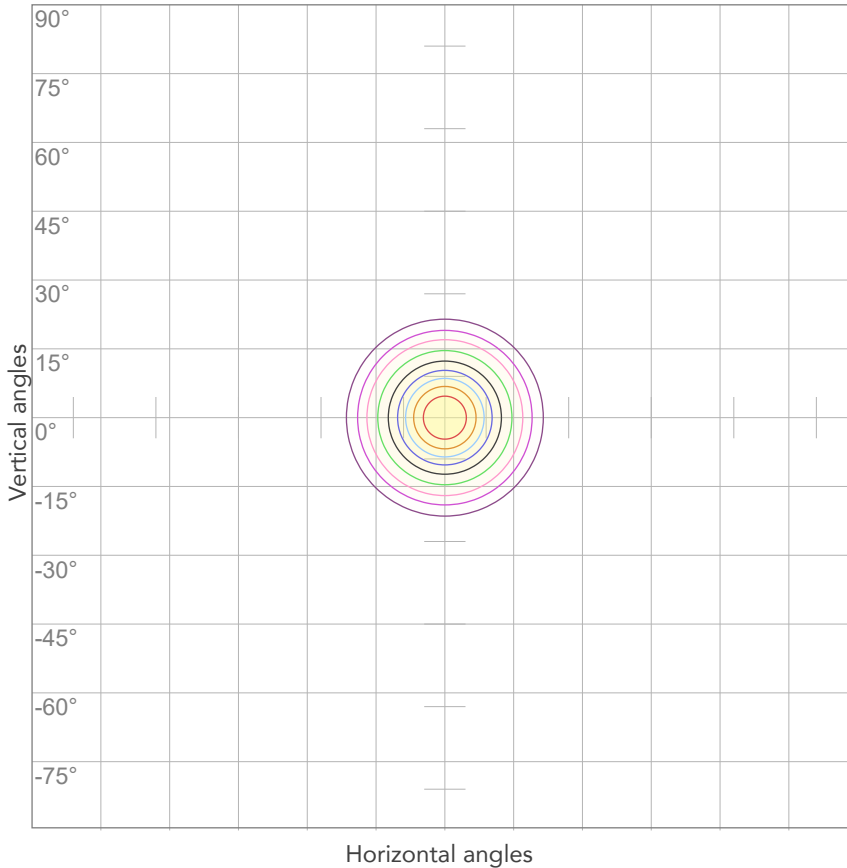


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,079A	9,1W	0,5	14lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



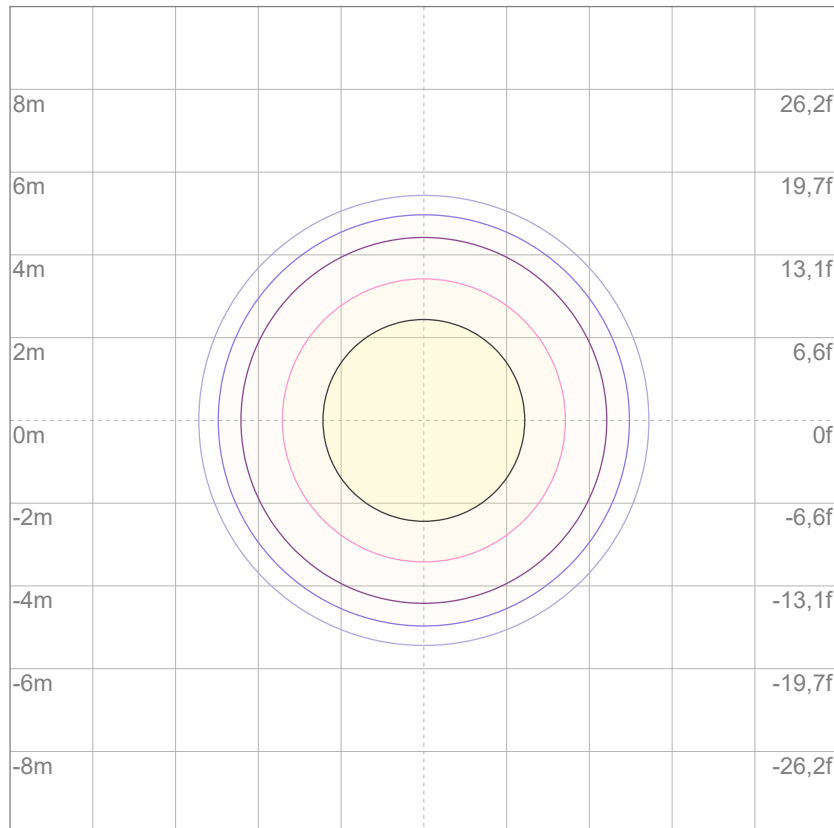
10%	48 cd
20%	95 cd
30%	143 cd
40%	191 cd
50%	239 cd
60%	286 cd
70%	334 cd
80%	382 cd

Conditions:

Number of c-planes: 2

Candela at center: 477 cd

ISO LUX DIAGRAM



3%	0,143 lx
5%	0,239 lx
10%	0,477 lx
30%	1,43 lx
50%	2,39 lx

Conditions:

Number of c-planes: 2

Lux at center: 4,77 lx

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



Total lumen output:

103 lm

Peak candela output:

899 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 15-30 Lens - Min Zoom

Target:

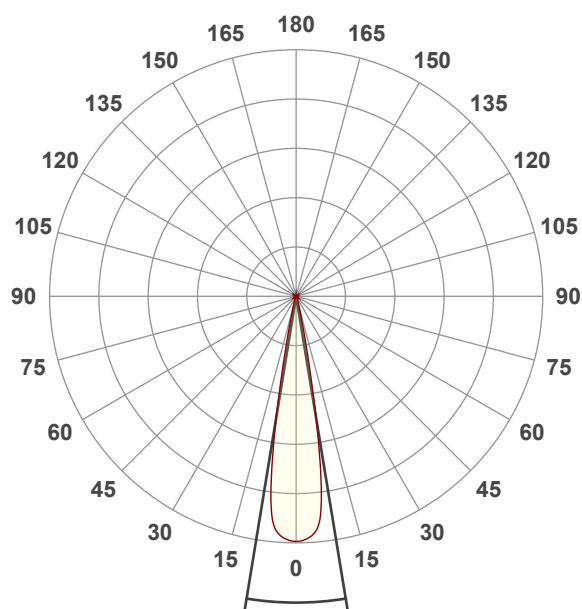
Red

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 12:54:11

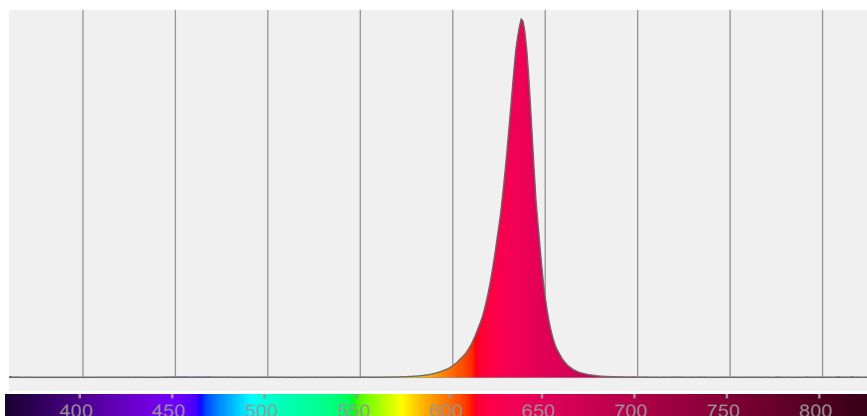


Beam angle 50%: 18,6°

Field angle 10%: 26,4°

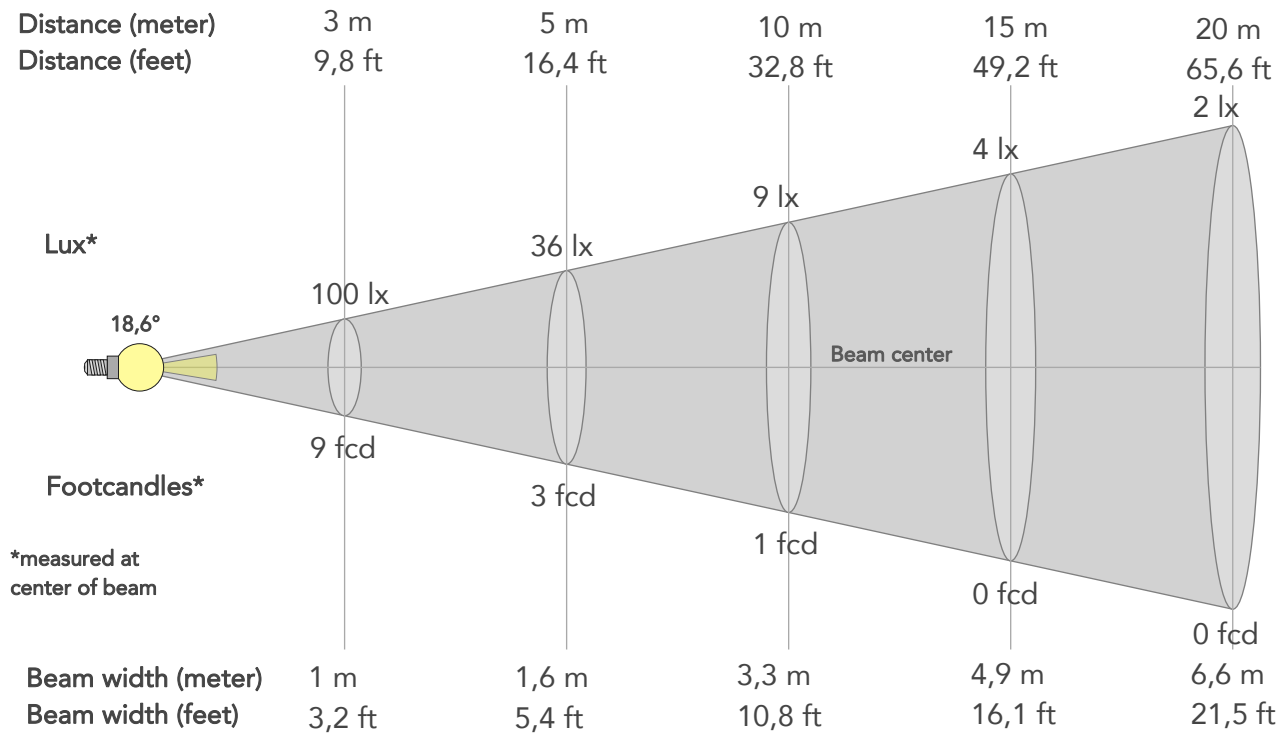
Cut off angle 2.5%: 37,7°

Spectra



BEAM DETAILS

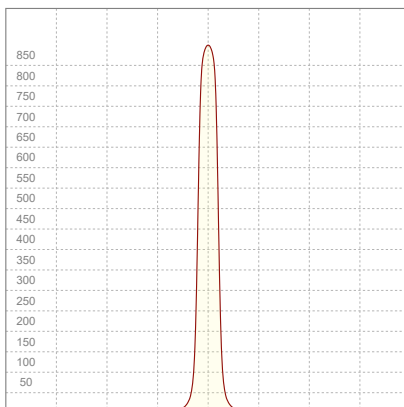
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,6°	26,4°	37,7°	95,8%	93,5%



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	899lx	225lx	100lx	56lx	36lx	16lx	9lx	4lx	2lx	1lx	1lx	1lx	0lx
Footcand.	84fcd	21fcd	9fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,6m	2,5m	3,3m	4,9m	6,6m	8,2m	9,8m	13,1m	16,4m
Beam wid.	1,1ft	2,2ft	3,2ft	4,3ft	5,4ft	8,1ft	10,8ft	16,1ft	21,5ft	26,9ft	32,3ft	43ft	53,8ft

LINEAR DISTRIBUTION DIAGRAM

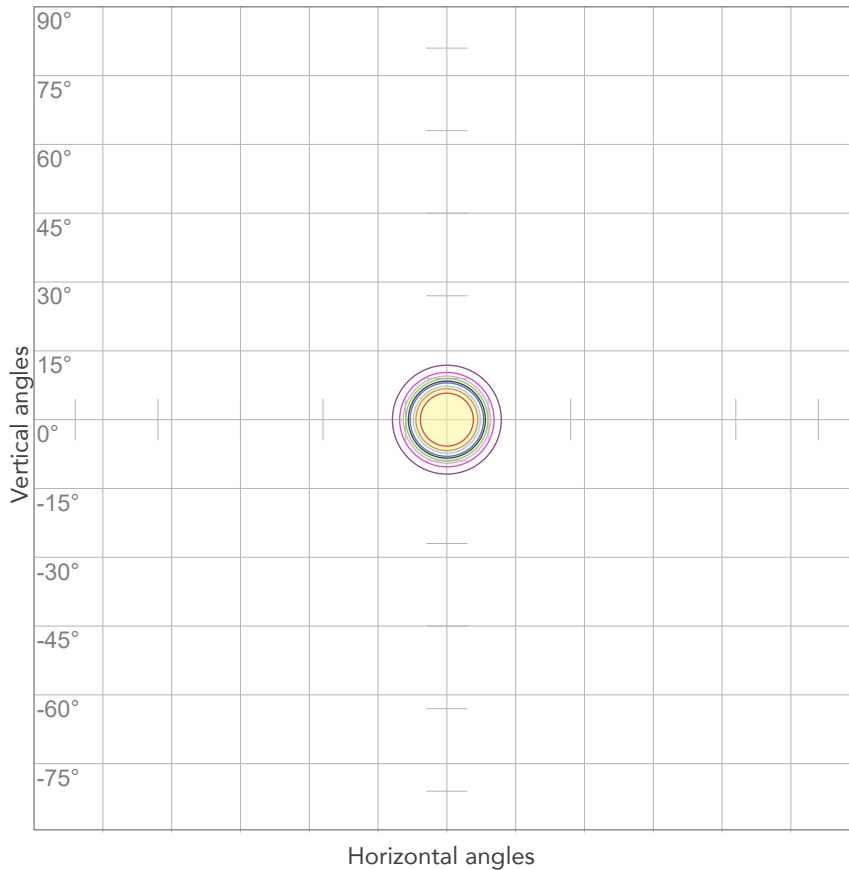


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,095A	8,1W	0,37	13lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



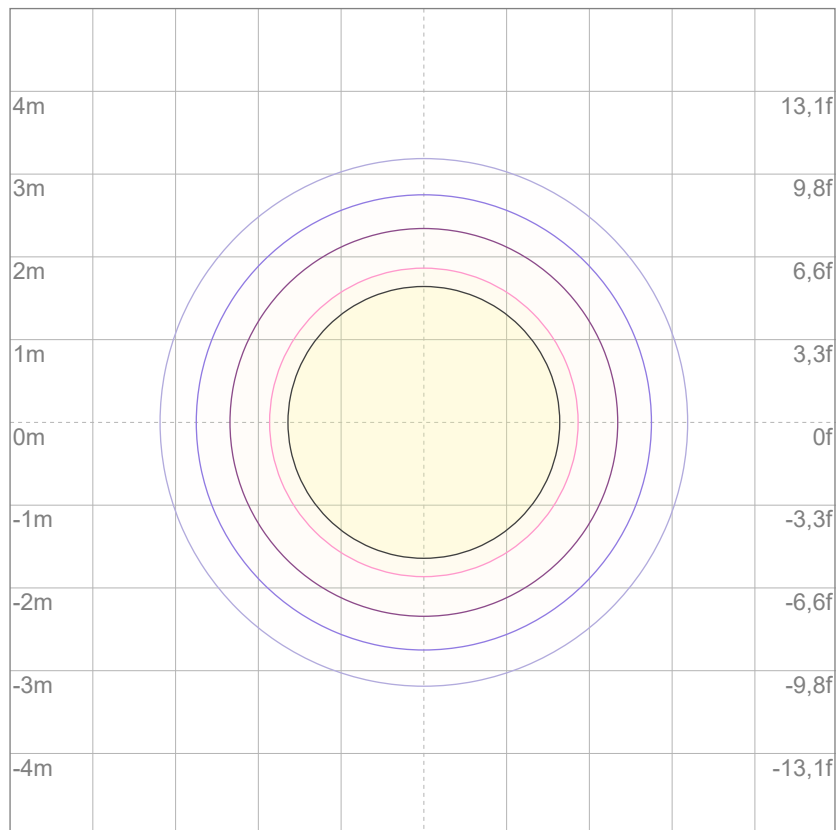
10%	90 cd
20%	180 cd
30%	270 cd
40%	360 cd
50%	450 cd
60%	540 cd
70%	629 cd
80%	719 cd

Conditions:

Number of c-planes: 2

Candela at center: 899 cd

ISO LUX DIAGRAM



3%	0,270 lx
5%	0,450 lx
10%	0,899 lx
30%	2,70 lx
50%	4,50 lx

Conditions:

Number of c-planes: 2

Lux at center: 8,99 lx

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



Total lumen output:

188 lm

Peak candela output:

704 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 15-30 Lens - Max Zoom

Target:

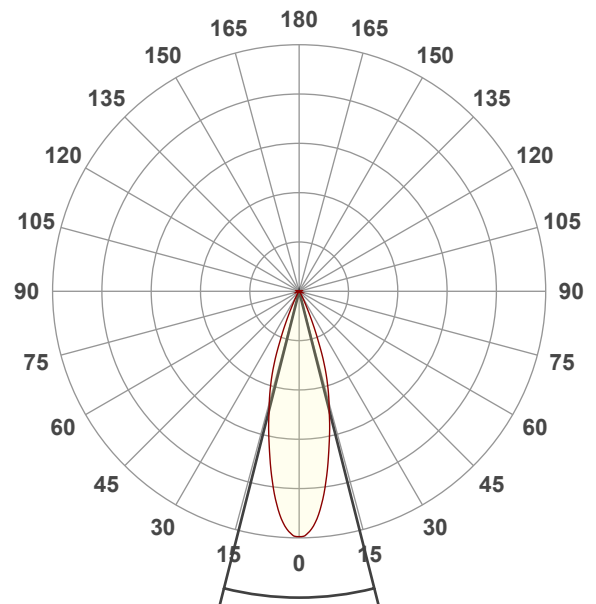
Green

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 11:39:21

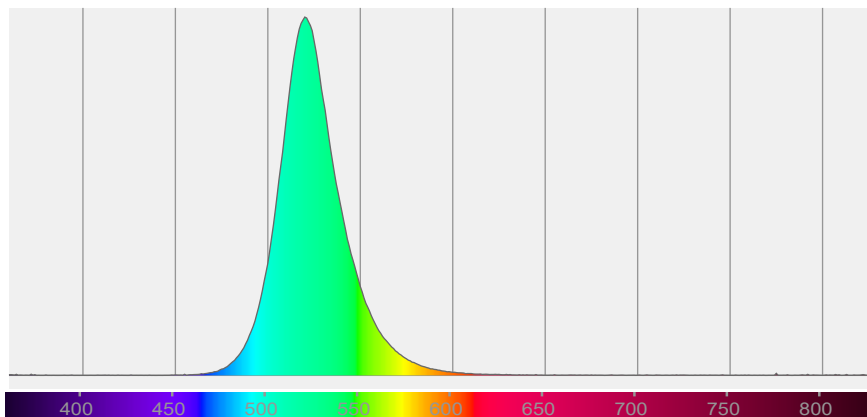


Beam angle 50%: 28,4°

Field angle 10%: 48,6°

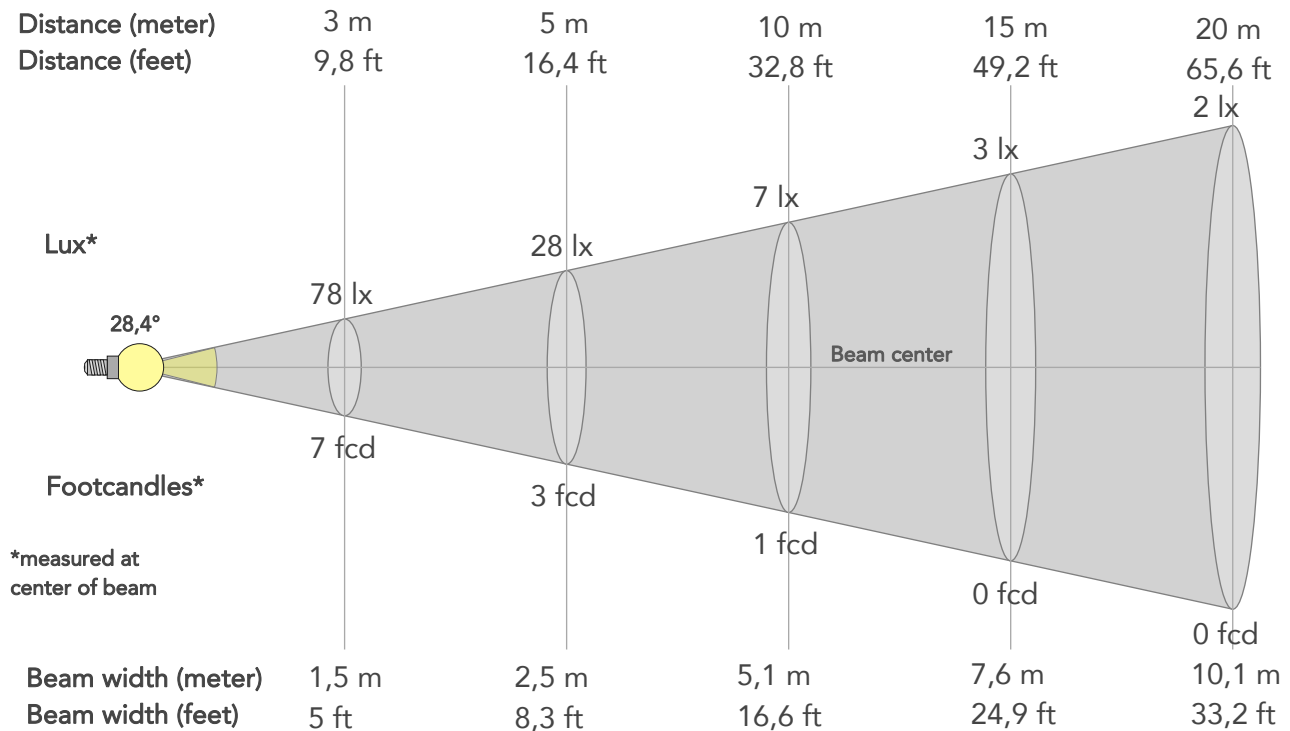
Cut off angle 2.5%: 59,5°

Spectra



BEAM DETAILS

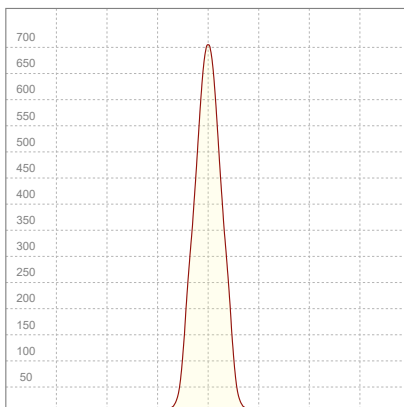
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
28,4°	48,6°	59,5°	98,9%	97,9%



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	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.	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

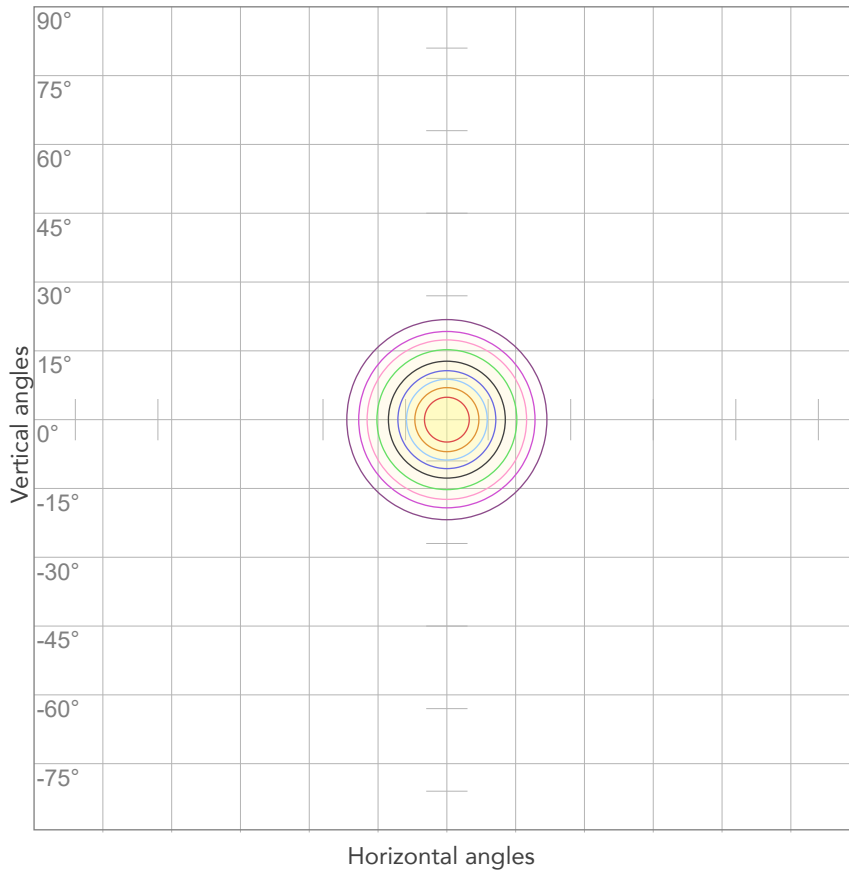


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,080A	10,2W	0,56	18lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



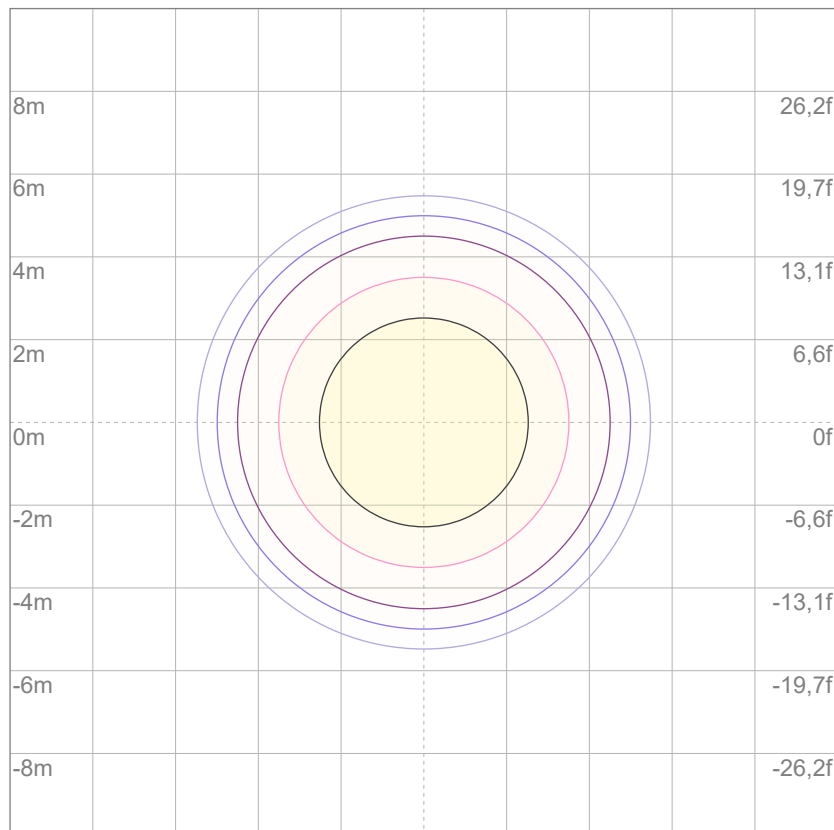
10%	70 cd
20%	141 cd
30%	211 cd
40%	282 cd
50%	352 cd
60%	422 cd
70%	493 cd
80%	563 cd

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:

166 lm

Peak candela output:

1479 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 15-30 Lens - Min Zoom

Target:

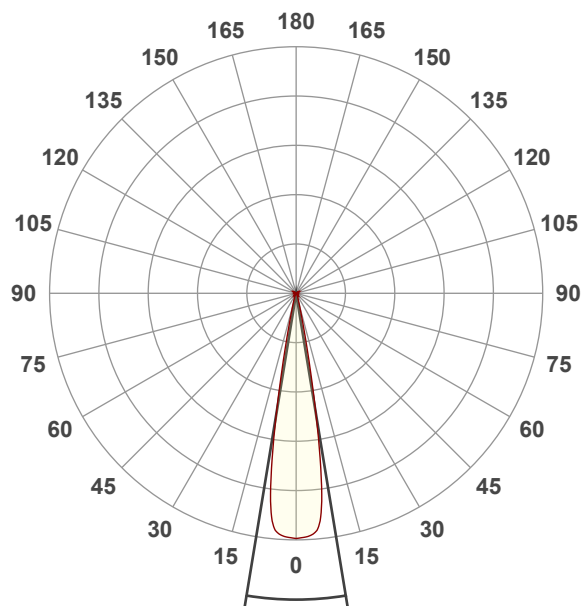
Green

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 13:01:16

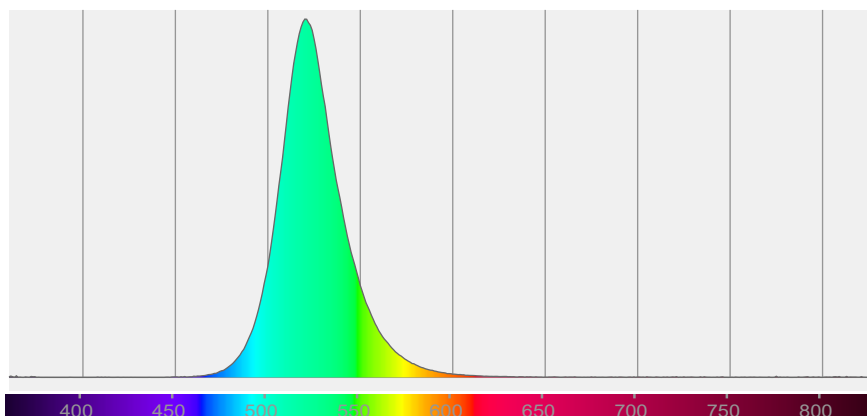


Beam angle 50%: 18,6°

Field angle 10%: 26,5°

Cut off angle 2.5%: 37,9°

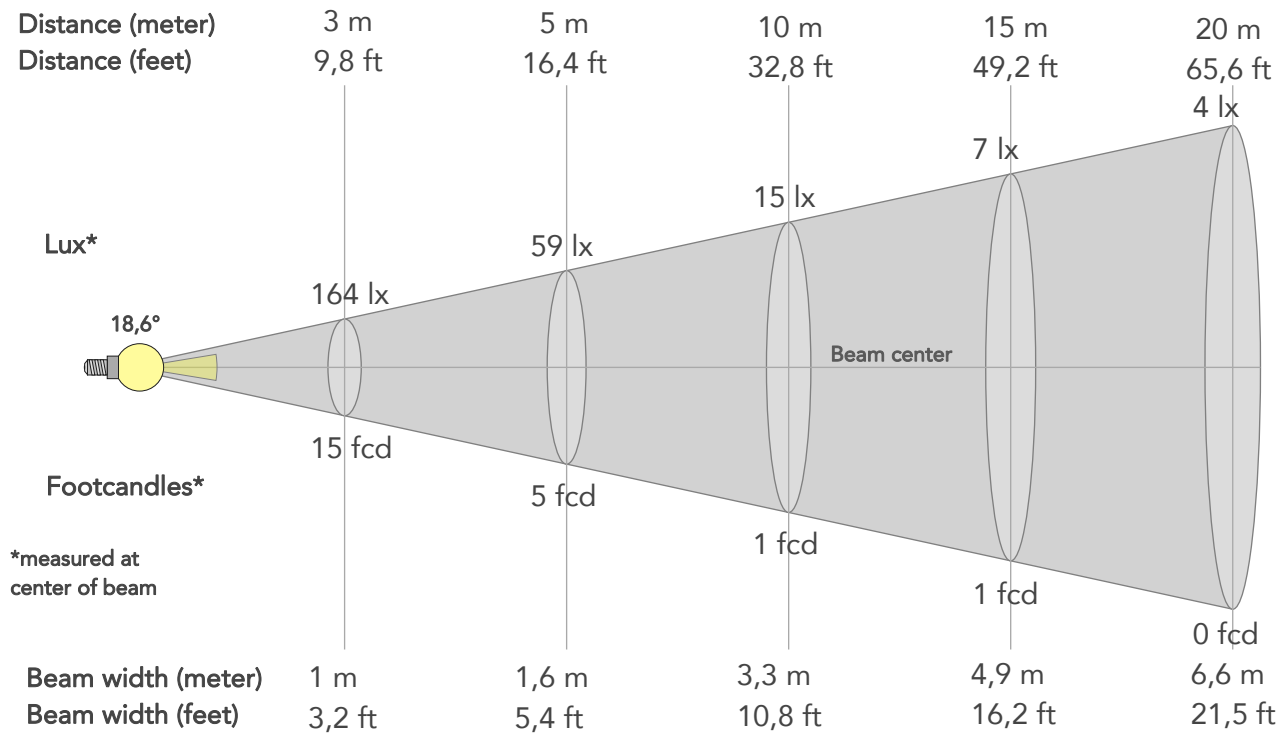
Spectra



BEAM DETAILS



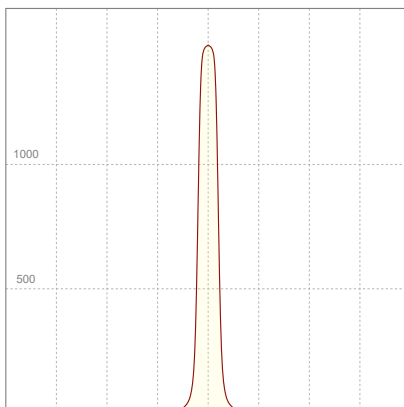
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,6°	26,5°	37,9°	96,7%	95,4%



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	1479lx	370lx	164lx	92lx	59lx	26lx	15lx	7lx	4lx	2lx	2lx	1lx	1lx
Footcand.	137fcd	34fcd	15fcd	9fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,6m	2,5m	3,3m	4,9m	6,6m	8,2m	9,8m	13,1m	16,4m
Beam wid.	1,1ft	2,2ft	3,2ft	4,3ft	5,4ft	8,1ft	10,8ft	16,2ft	21,5ft	26,9ft	32,3ft	43,1ft	53,8ft

LINEAR DISTRIBUTION DIAGRAM

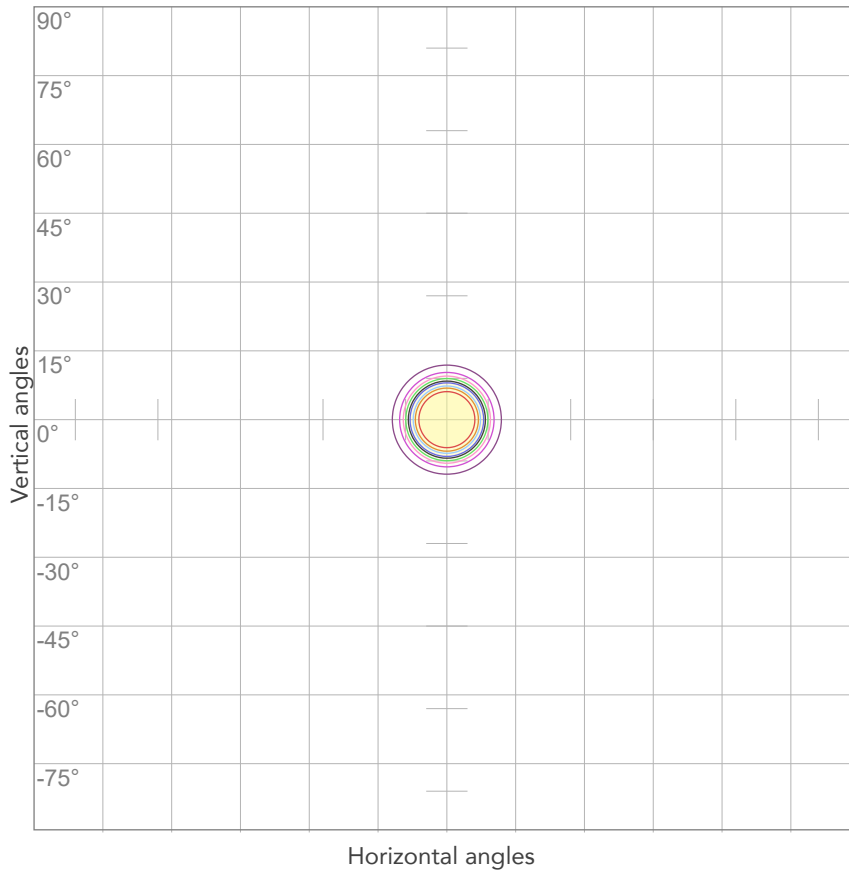


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
229V	0,080A	10,1W	0,55	16lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



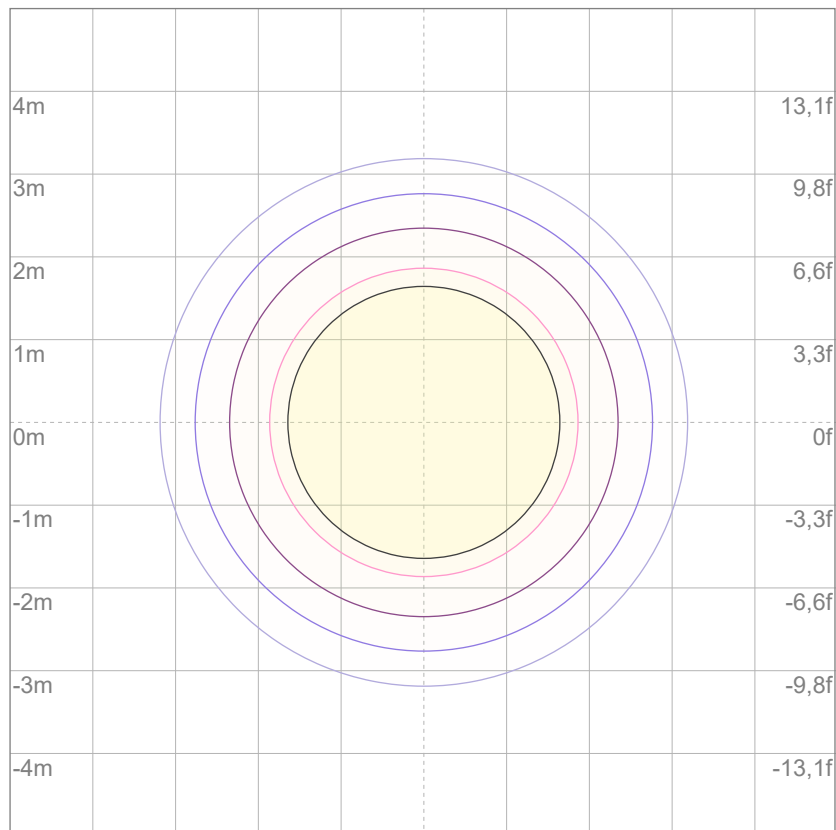
10%	148 cd
20%	296 cd
30%	444 cd
40%	592 cd
50%	740 cd
60%	888 cd
70%	1036 cd
80%	1183 cd

Conditions:

Number of c-planes: 2

Candela at center: 1479 cd

ISO LUX DIAGRAM



3%	0,444 lx
5%	0,740 lx
10%	1,48 lx
30%	4,44 lx
50%	7,40 lx

Conditions:

Number of c-planes: 2

Lux at center: 14,8 lx

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



Total lumen output:

59,1 lm

Peak candela output:

202 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 15-30 Lens - Max Zoom

Target:

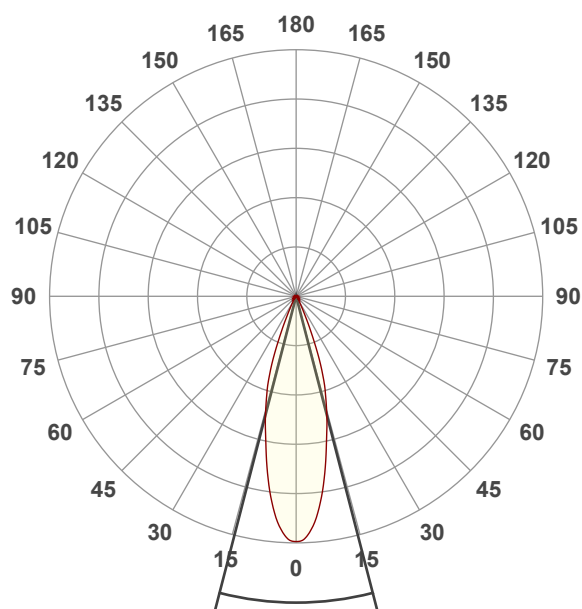
Blue

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 11:41:27

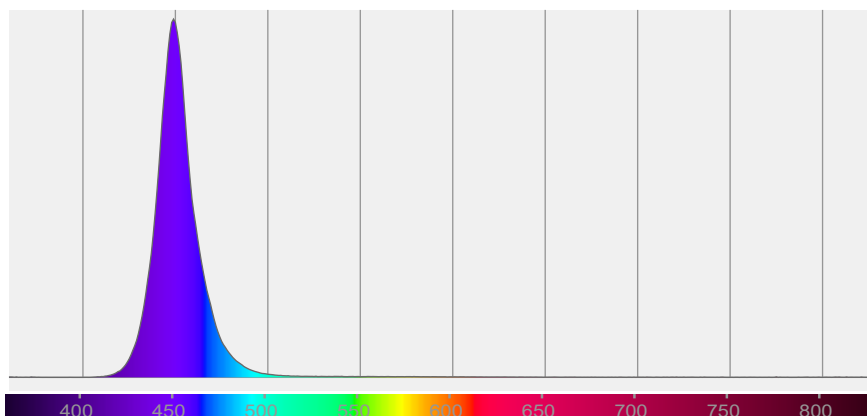


Beam angle 50%: 29°

Field angle 10%: 48,9°

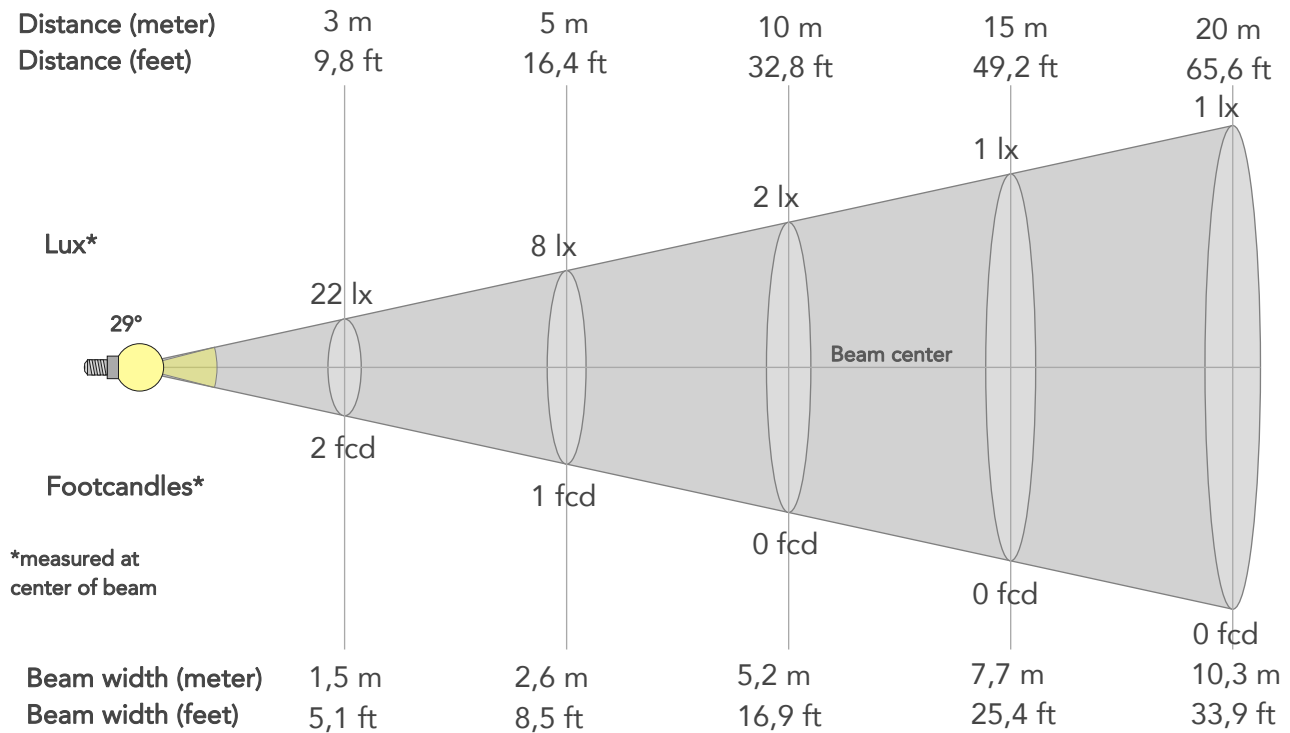
Cut off angle 2.5%: 60,9°

Spectra



BEAM DETAILS

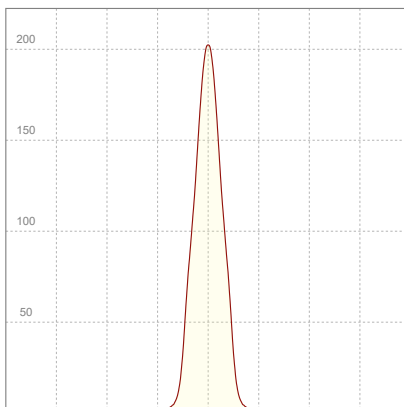
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29°	48,9°	60,9°	95,0%	92,5%



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	202lx	51lx	22lx	13lx	8lx	4lx	2lx	1lx	1lx	0lx	0lx	0lx	0lx
Footcand.	19fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,5m	2,1m	2,6m	3,9m	5,2m	7,7m	10,3m	12,9m	15,5m	20,7m	25,8m
Beam wid.	1,7ft	3,4ft	5,1ft	6,8ft	8,5ft	12,7ft	16,9ft	25,4ft	33,9ft	42,4ft	50,8ft	67,8ft	84,7ft

LINEAR DISTRIBUTION DIAGRAM

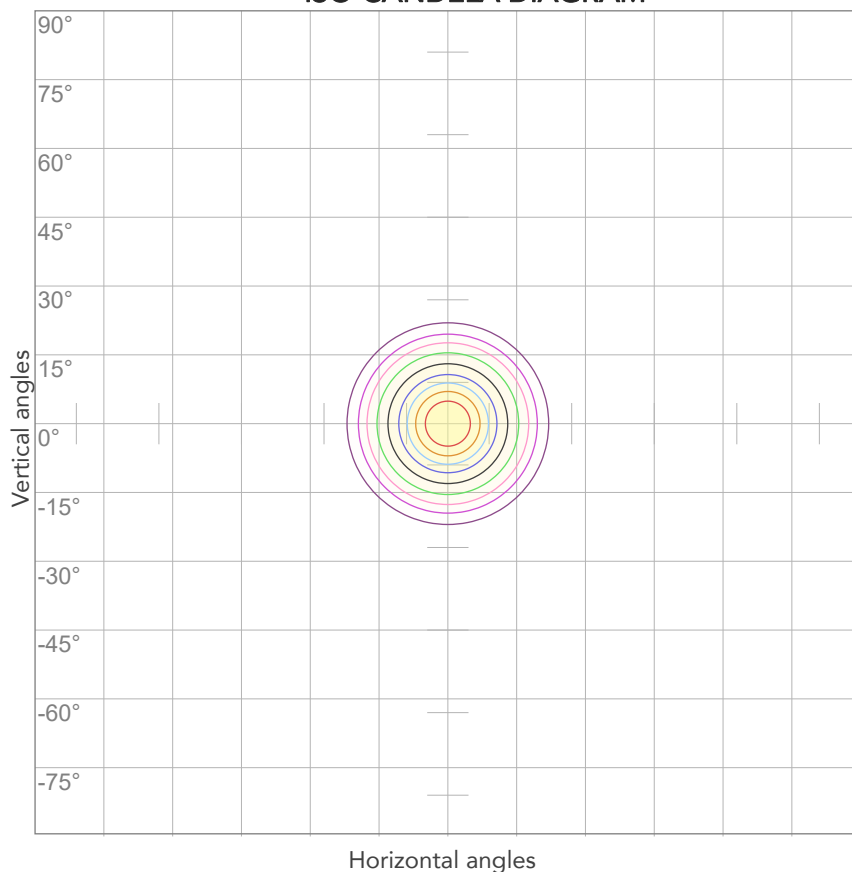


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,084A	11,2W	0,58	5lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



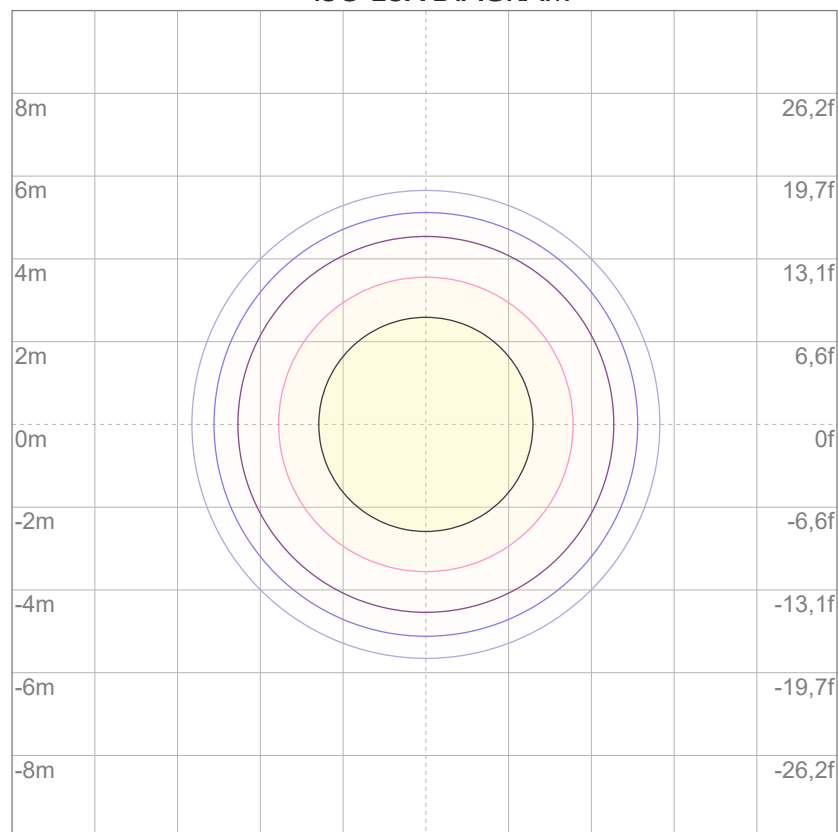
10%	20 cd
20%	40 cd
30%	61 cd
40%	81 cd
50%	101 cd
60%	121 cd
70%	142 cd
80%	162 cd

Conditions:

Number of c-planes: 2

Candela at center: 202 cd

ISO LUX DIAGRAM



3%	60,7m lx
5%	0,101 lx
10%	0,202 lx
30%	0,607 lx
50%	1,01 lx

Conditions:

Number of c-planes: 2

Lux at center: 2,02 lx

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



Total lumen output:

55,7 lm

Peak candela output:

432 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 15-30 Lens - Min Zoom

Target:

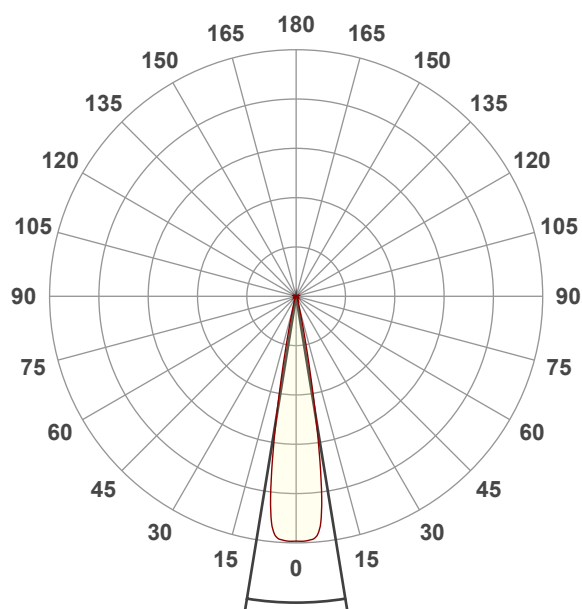
Blue

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 13:03:29

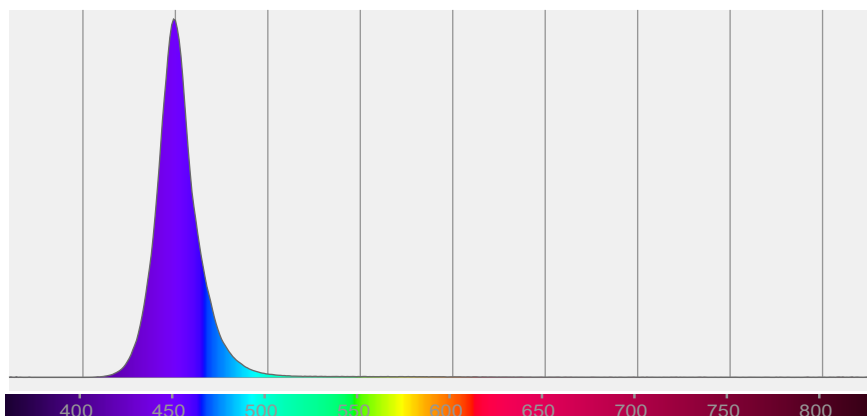


Beam angle 50%: 18,5°

Field angle 10%: 26,5°

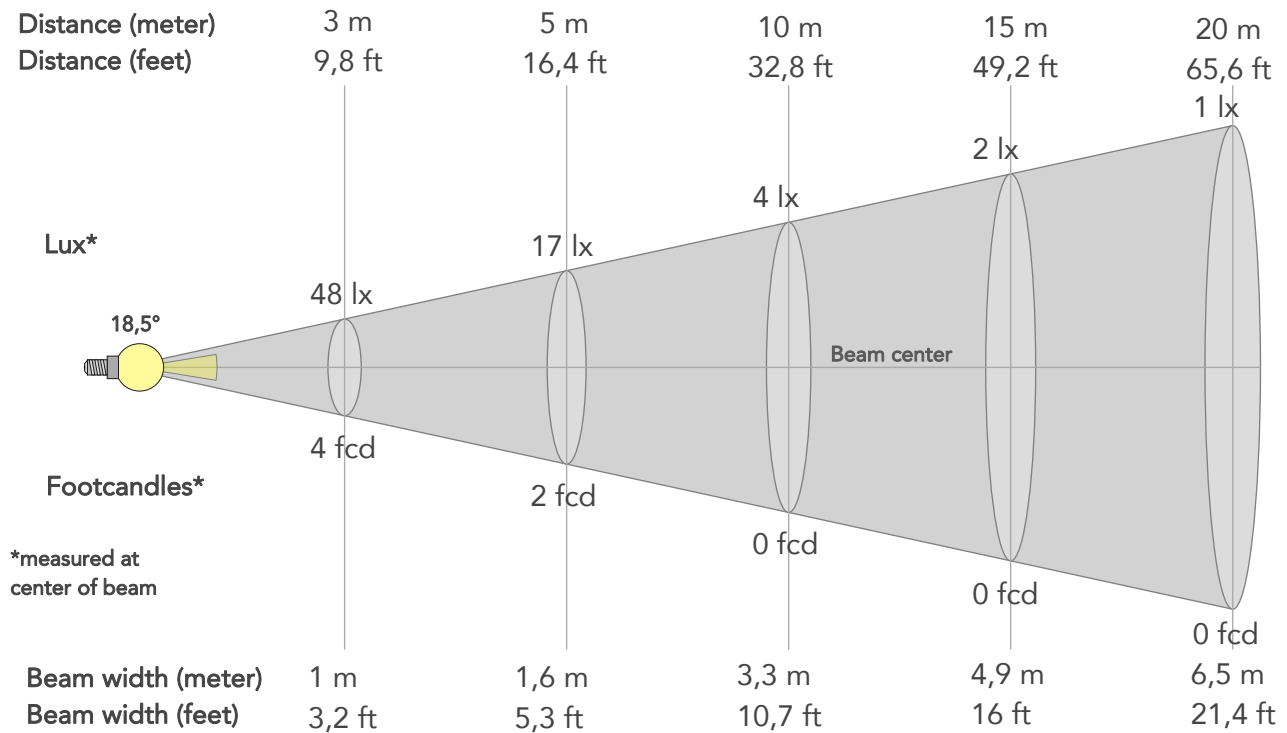
Cut off angle 2.5%: 39,5°

Spectra



BEAM DETAILS

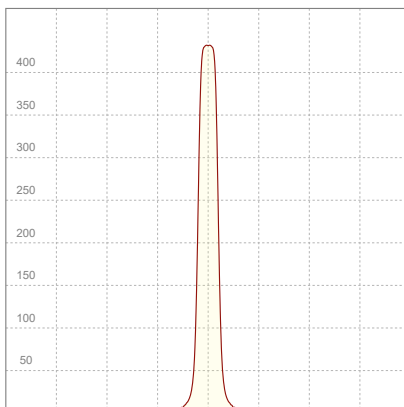
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,5°	26,5°	39,5°	90,5%	86,2%



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	432lx	108lx	48lx	27lx	17lx	8lx	4lx	2lx	1lx	1lx	0lx	0lx	0lx
Footcand.	40fcd	10fcd	4fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,6m	2,4m	3,3m	4,9m	6,5m	8,1m	9,8m	13m	16,3m
Beam wid.	1,1ft	2,1ft	3,2ft	4,3ft	5,3ft	8ft	10,7ft	16ft	21,4ft	26,7ft	32ft	42,7ft	53,4ft

LINEAR DISTRIBUTION DIAGRAM

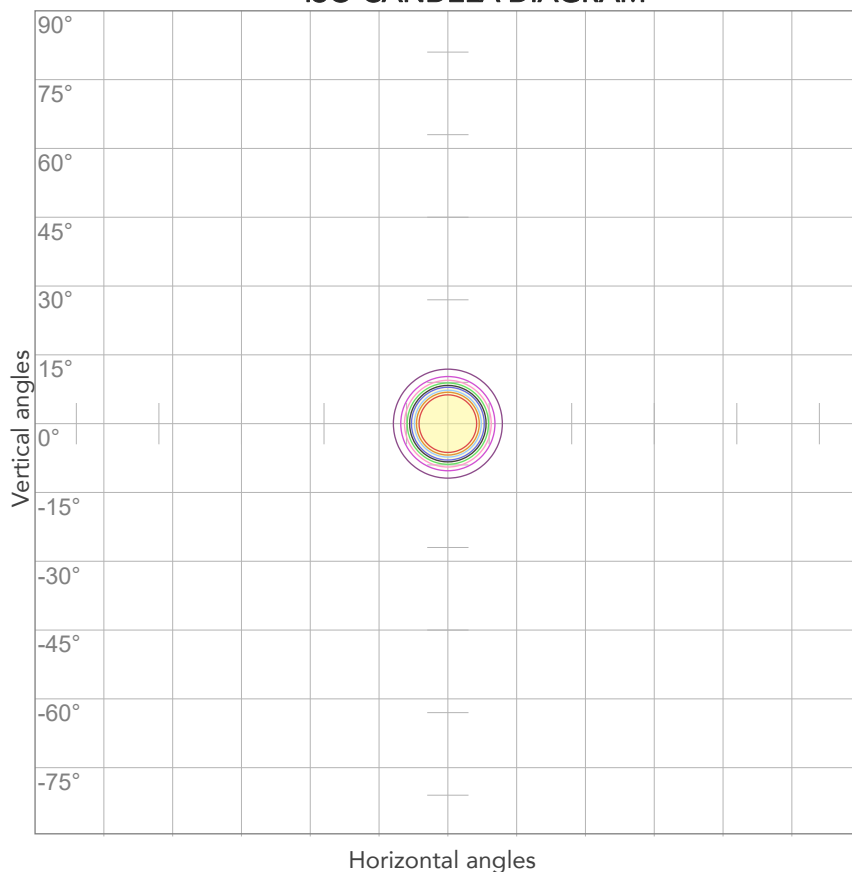


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,083A	11,2W	0,59	5lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



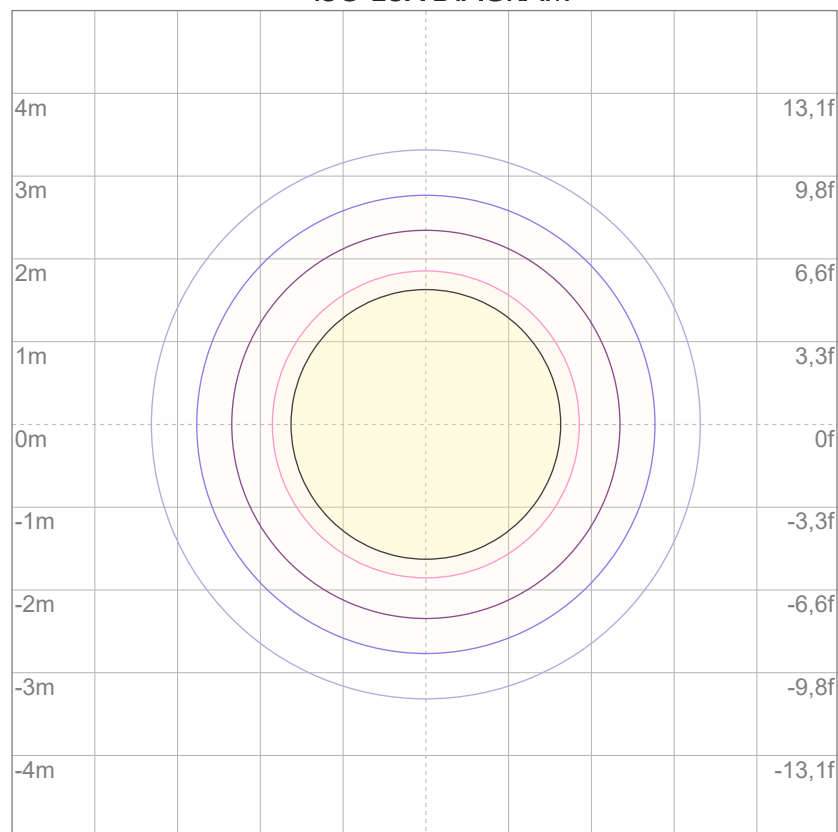
10%	43 cd
20%	86 cd
30%	129 cd
40%	173 cd
50%	216 cd
60%	259 cd
70%	302 cd
80%	345 cd

Conditions:

Number of c-planes: 2

Candela at center: 432 cd

ISO LUX DIAGRAM



3%	0,129 lx
5%	0,216 lx
10%	0,432 lx
30%	1,29 lx
50%	2,16 lx

Conditions:

Number of c-planes: 2

Lux at center: 4,32 lx

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



Total lumen output:

488 lm

Peak candela output:

1857 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 15-30 Lens - Max Zoom

Target:

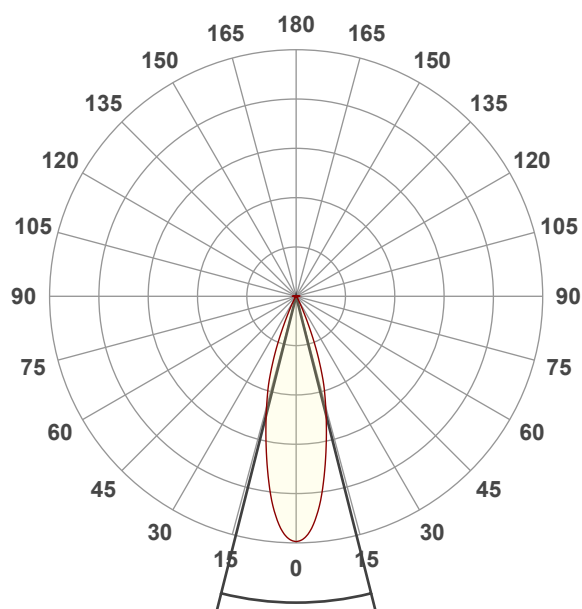
Lime

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 11:43:22

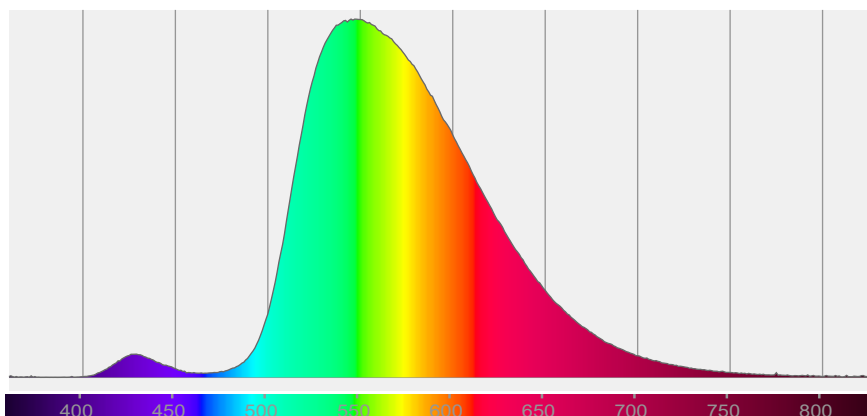


Beam angle 50%: 28,3°

Field angle 10%: 48,4°

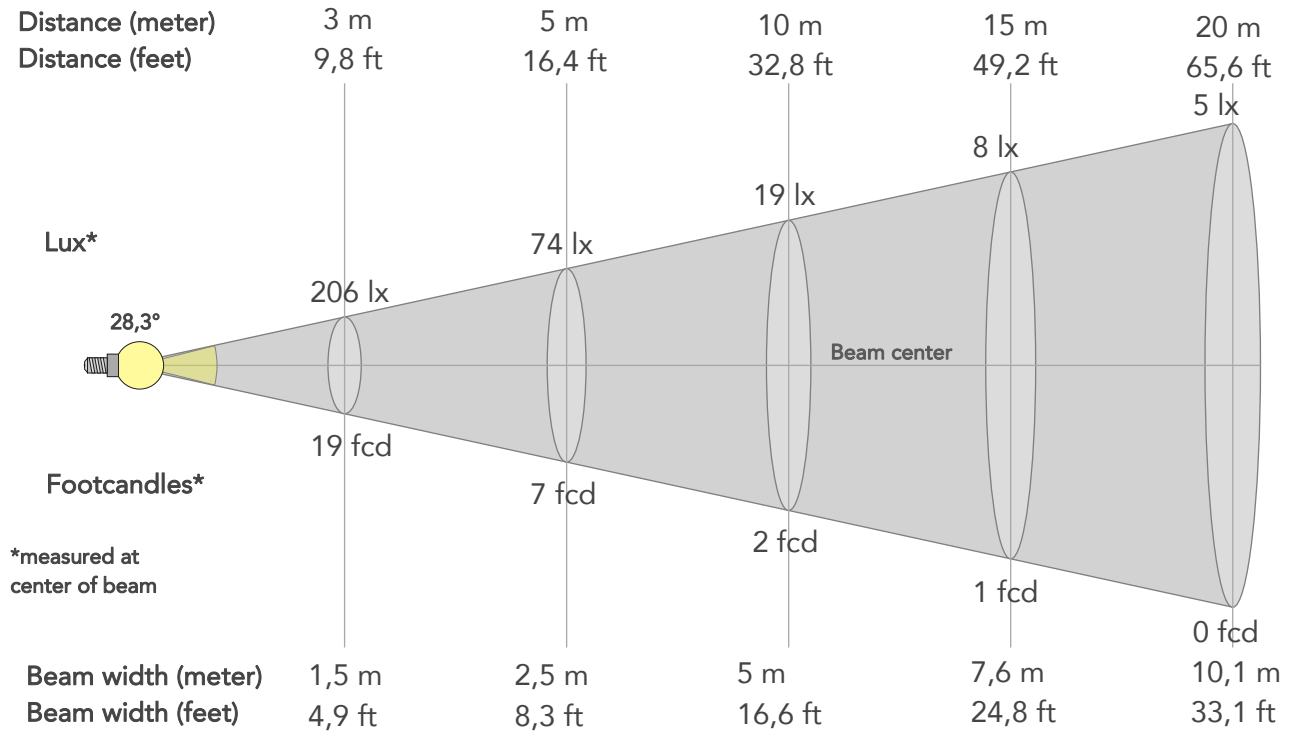
Cut off angle 2.5%: 59,2°

Spectra



BEAM DETAILS

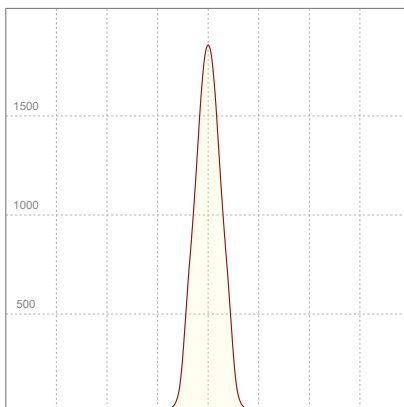
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
28,3°	48,4°	59,2°	99,3%	98,4%



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	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.	0,5m	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	16,6ft	24,8ft	33,1ft	41,4ft	49,7ft	66,2ft	82,8ft

LINEAR DISTRIBUTION DIAGRAM

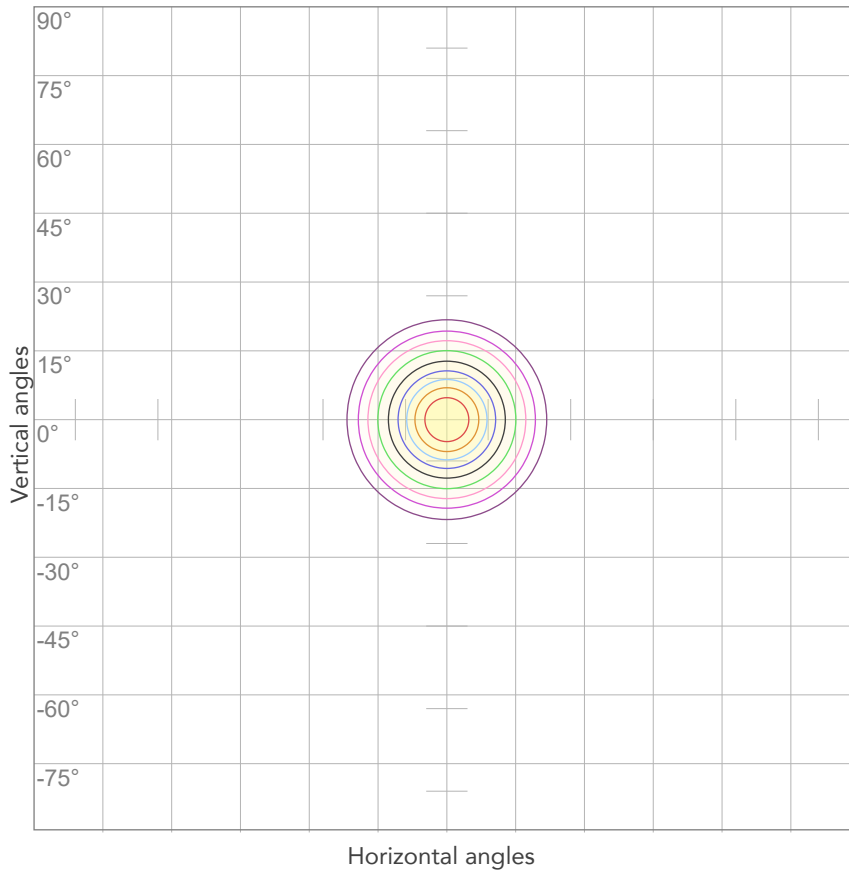


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,108A	19,6W	0,79	25lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



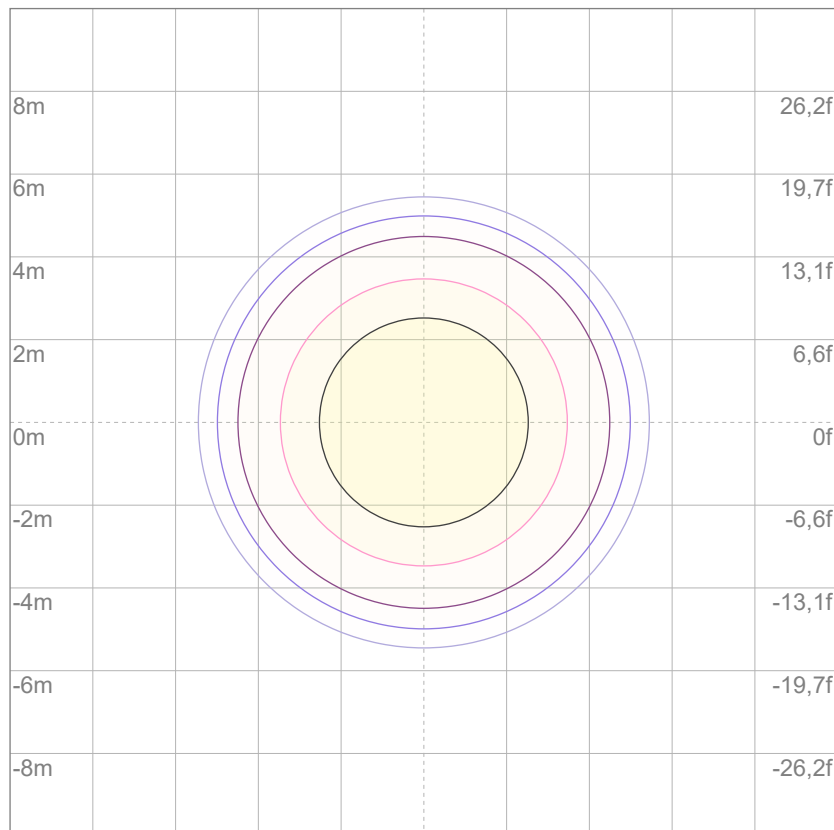
10%	186 cd
20%	371 cd
30%	557 cd
40%	743 cd
50%	928 cd
60%	1114 cd
70%	1300 cd
80%	1485 cd

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:

421 lm

Peak candela output:

3859 cd

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 15-30 Lens - Min Zoom

Target:

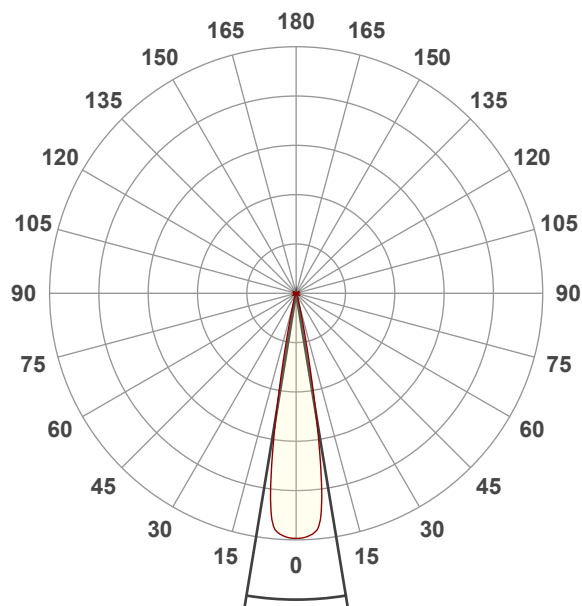
Lime

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 13:07:02

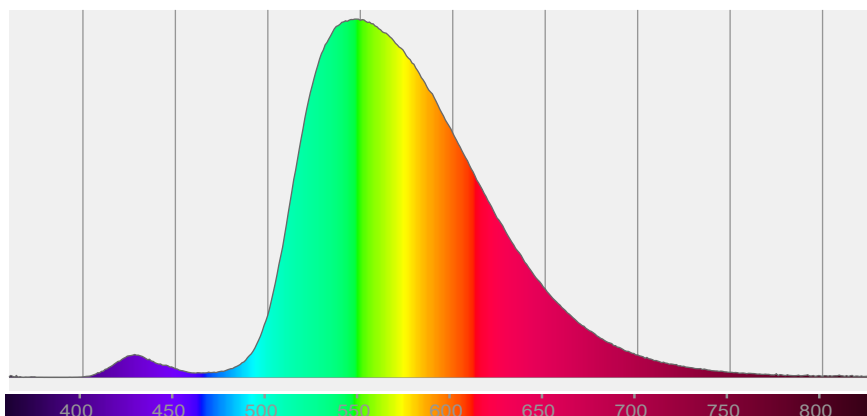


Beam angle 50%: 18,7°

Field angle 10%: 26,5°

Cut off angle 2.5%: 37,7°

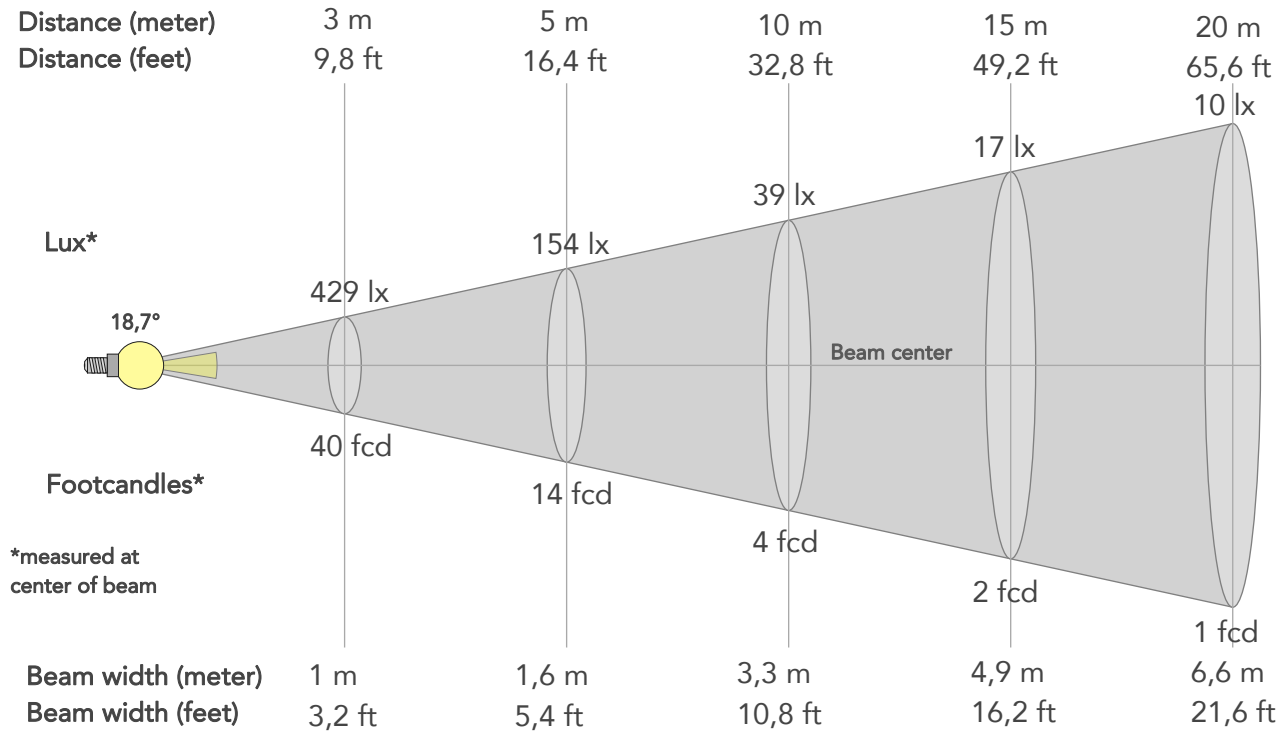
Spectra



BEAM DETAILS



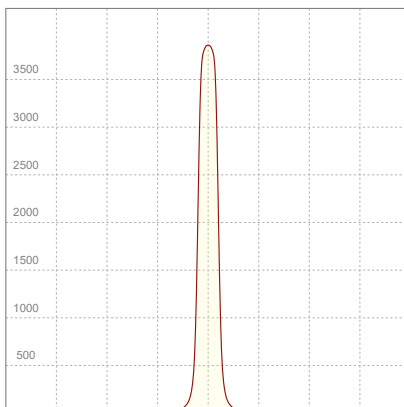
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,7°	26,5°	37,7°	98,7%	97,6%



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	3859lx	965lx	429lx	241lx	154lx	69lx	39lx	17lx	10lx	6lx	4lx	2lx	2lx
Footcand.	359fcd	90fcd	40fcd	22fcd	14fcd	6fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,6m	2,5m	3,3m	4,9m	6,6m	8,2m	9,9m	13,2m	16,4m
Beam wid.	1,1ft	2,2ft	3,2ft	4,3ft	5,4ft	8,1ft	10,8ft	16,2ft	21,6ft	27ft	32,4ft	43,1ft	53,9ft

LINEAR DISTRIBUTION DIAGRAM

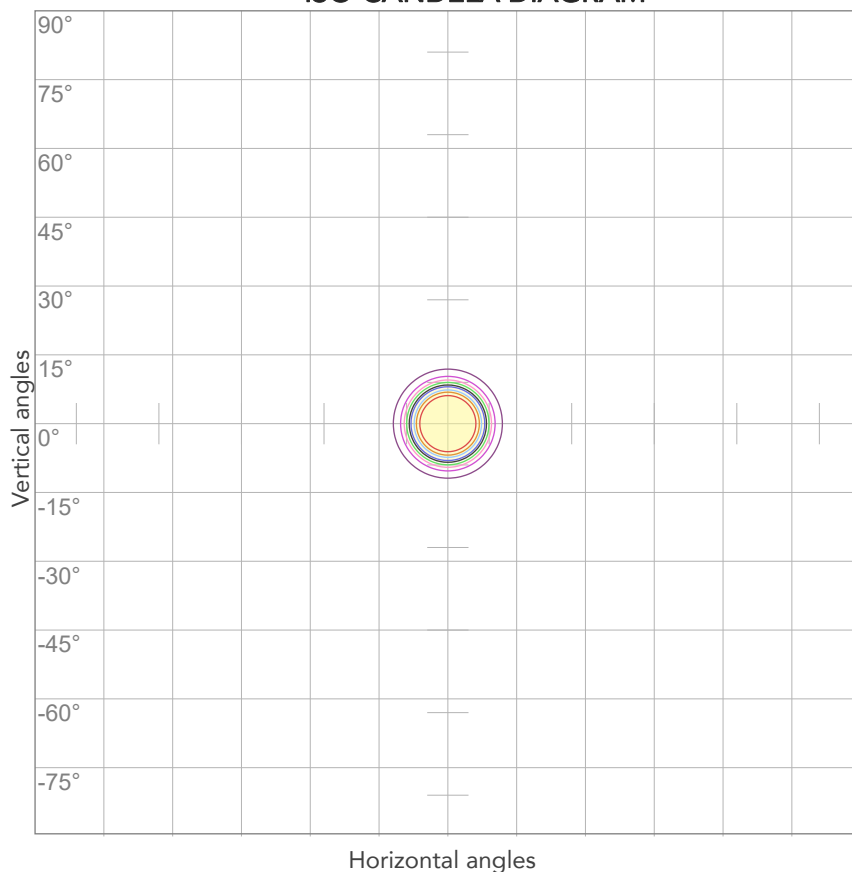


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,107A	19,3W	0,79	22lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



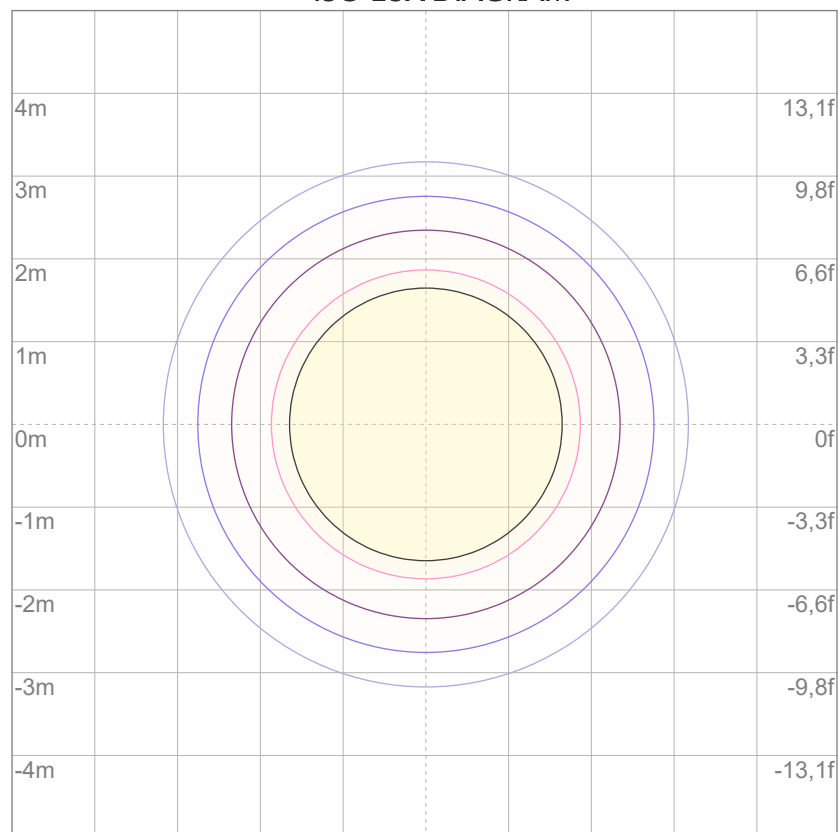
10%	386 cd
20%	772 cd
30%	1158 cd
40%	1544 cd
50%	1930 cd
60%	2316 cd
70%	2702 cd
80%	3087 cd

Conditions:

Number of c-planes: 2

Candela at center: 3859 cd

ISO LUX DIAGRAM



3%	1,16 lx
5%	1,93 lx
10%	3,86 lx
30%	11,6 lx
50%	19,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 38,6 lx

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



Total lumen output:

495 lm

Peak candela output:

1879 cd

Light quality:

CRI: 84,3

Color temperature:

2942 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 15-30 Lens - Max Zoom

Target:

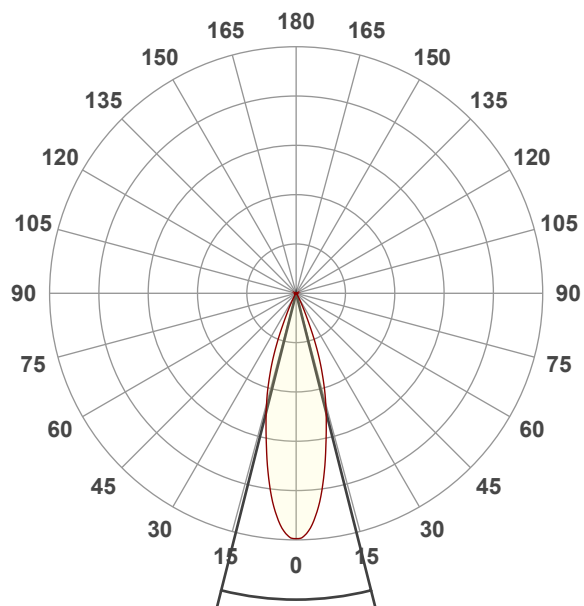
2800K

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 11:46:13

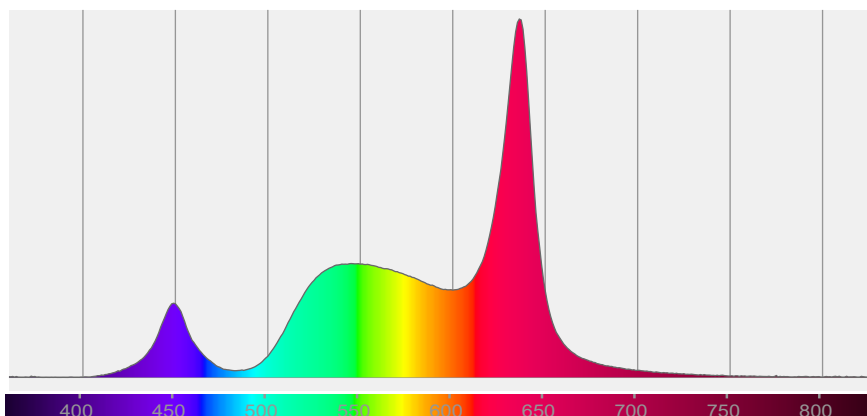


Beam angle 50%: 28,3°

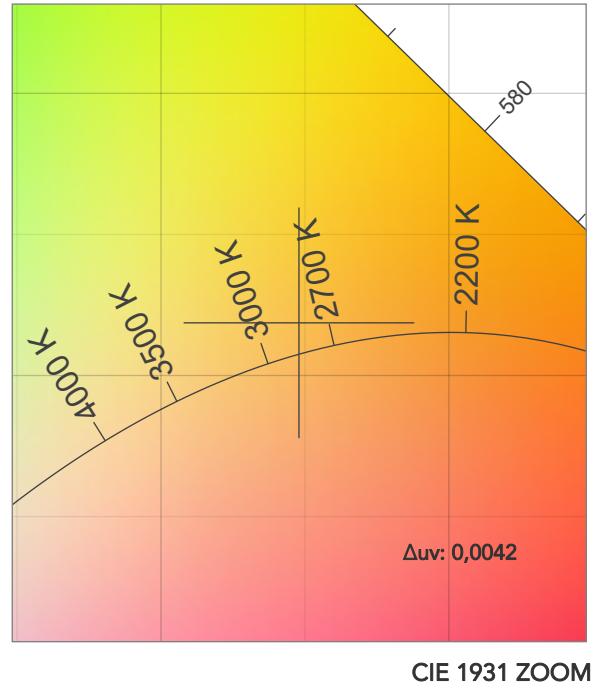
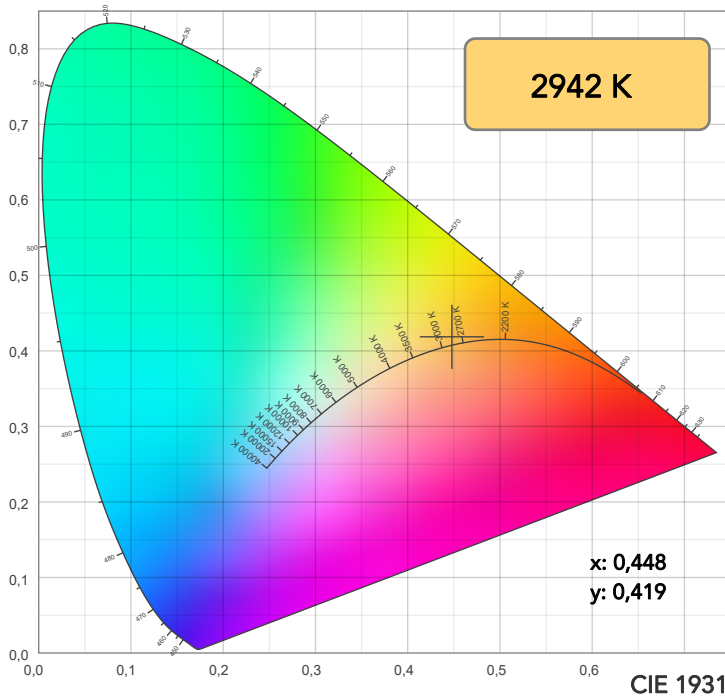
Field angle 10%: 48,2°

Cut off angle 2.5%: 59,2°

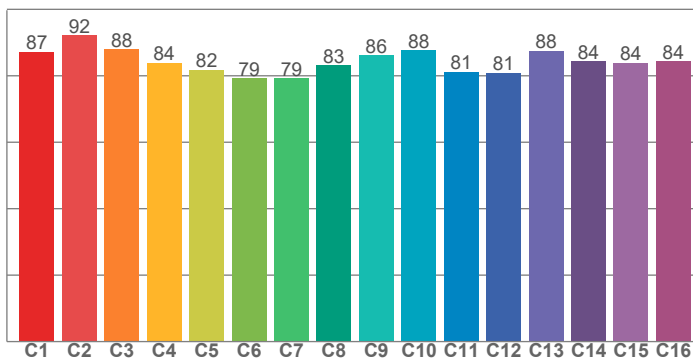
Spectra



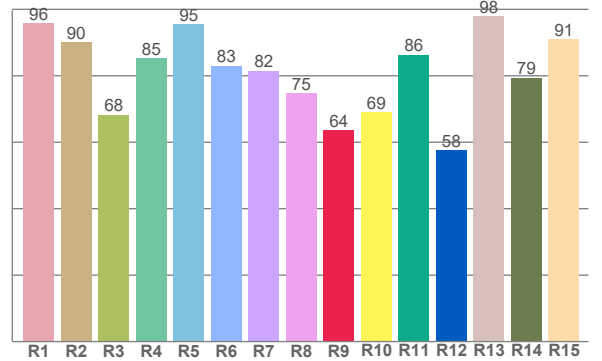
COLOR DETAILS



TM30: 84,8



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
95,8	90,1	68,3	85,2	95,5	83,0	81,5	74,9	63,7	69,1	86,4	57,6	97,9	79,4	91,1

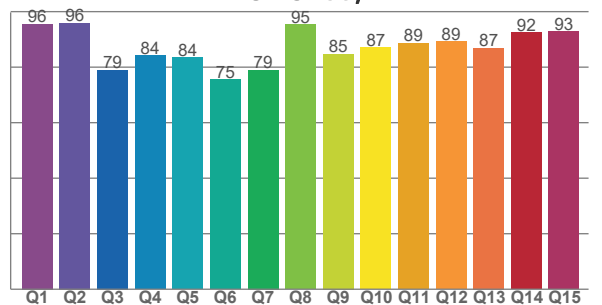
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
87,2	92,1	88,0	83,9	81,8	79,3	79,2	83,1	86,2	87,7	81,2	80,9	87,6	84,4	83,9	84,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,5	95,8	78,9	84,1	83,6	75,5	79,0	95,4	84,7	87,1	88,6	89,2	86,9	92,4	92,8

CQS: 85,7



COLOR PARAMETERS

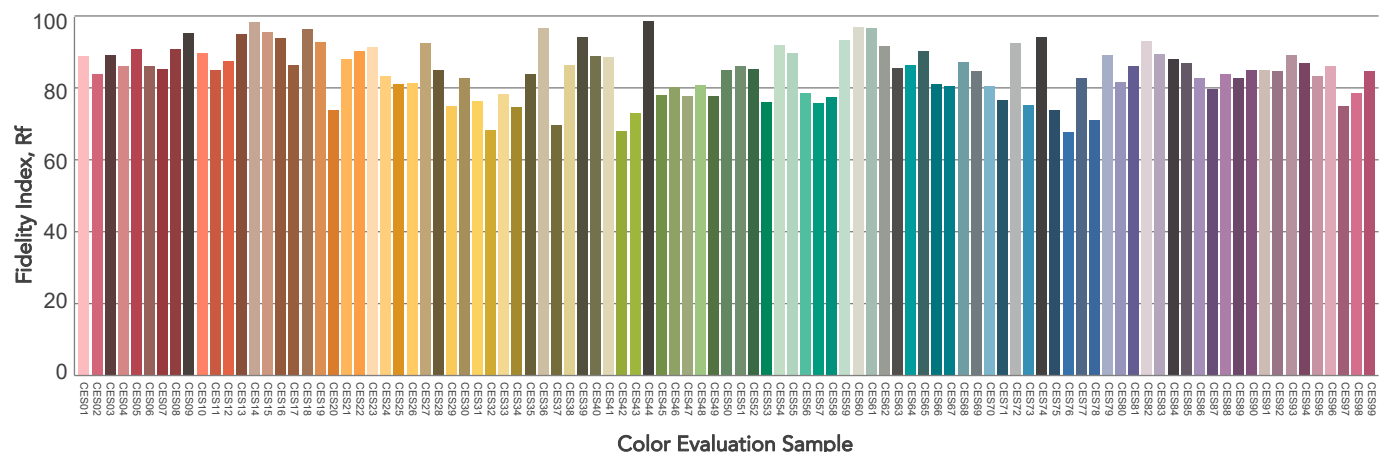
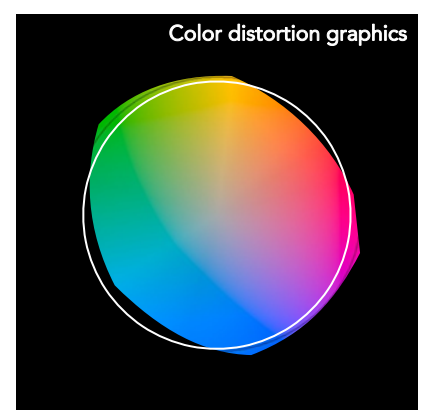
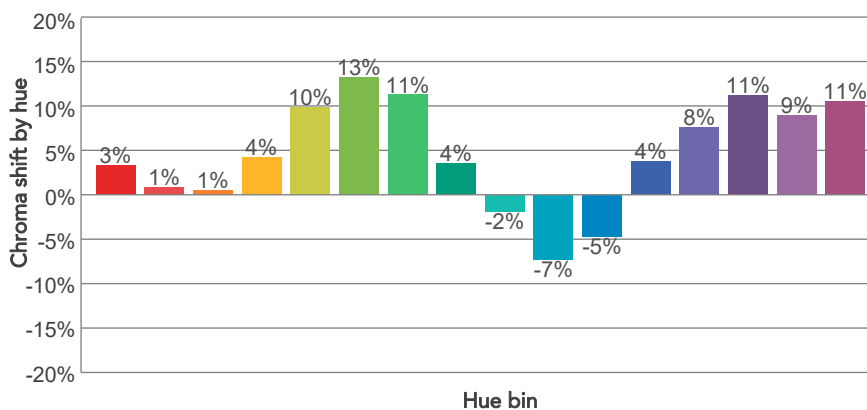
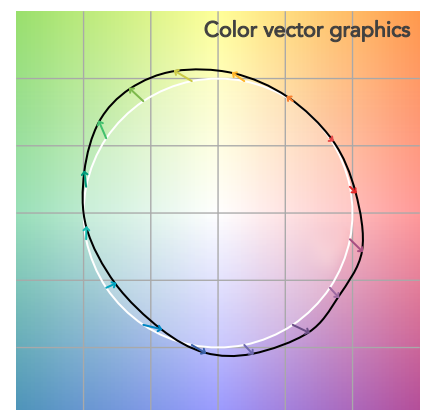
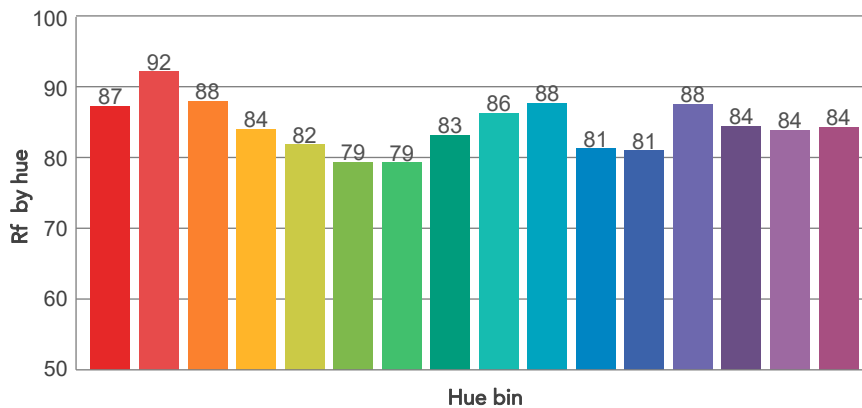
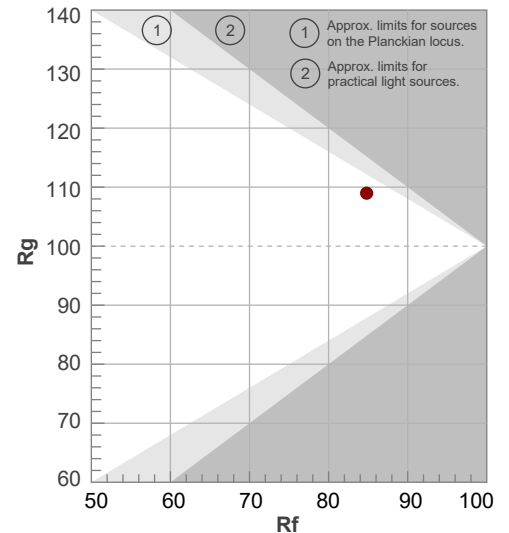
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2942 K	84,3	63,7	84,8	109,0	85,7	72	0,448	0,419	0,0042

TM30 DETAILS

Rf 84,8
Fidelity index Rf

Rg 109,0
Gammut index

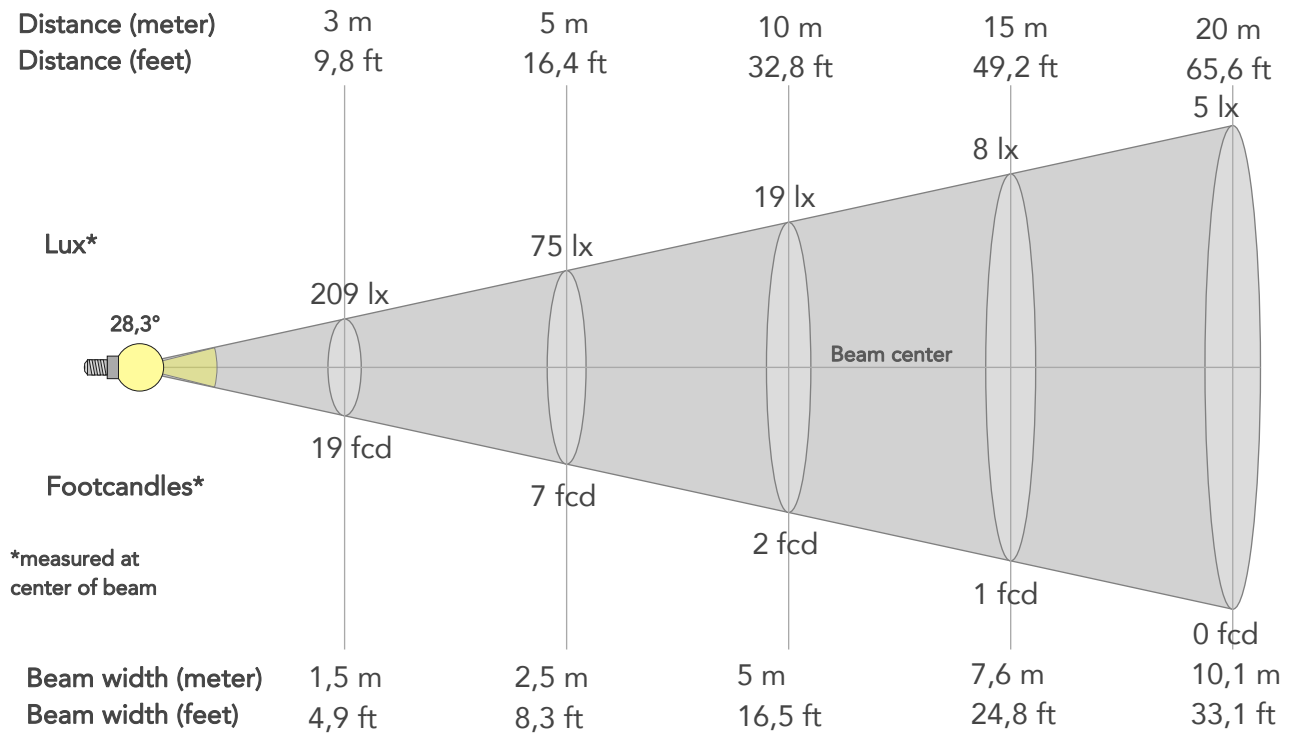
		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	87	3%	-5%
2	92	1%	-2%
3	88	1%	5%
4	84	4%	9%
5	82	10%	11%
6	79	13%	3%
7	79	11%	-7%
8	83	4%	-11%
9	86	-2%	-9%
10	88	-7%	1%
11	81	-5%	13%
12	81	4%	11%
13	88	8%	5%
14	84	11%	7%
15	84	9%	-2%
16	84	11%	-7%



BEAM DETAILS



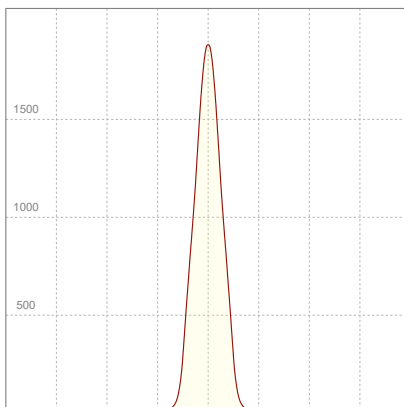
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
28,3°	48,2°	59,2°	99,0%	98,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1879lx	470lx	209lx	117lx	75lx	33lx	19lx	8lx	5lx	3lx	2lx	1lx	1lx
Footcand.	175fcd	44fcd	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

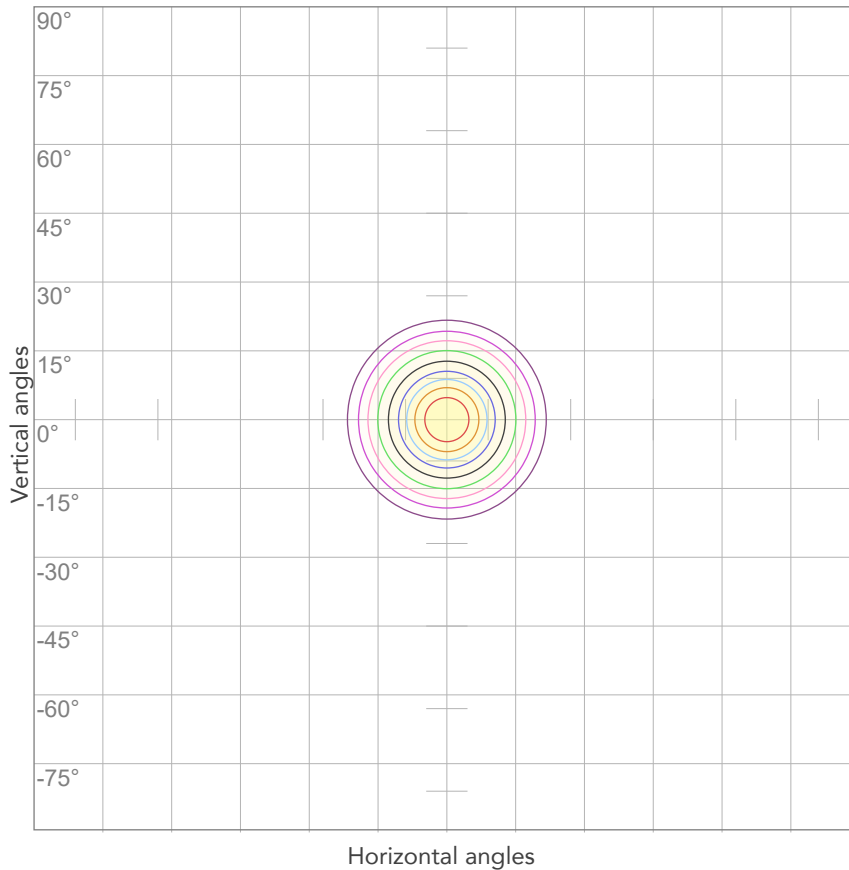


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,123A	23,3W	0,83	21lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



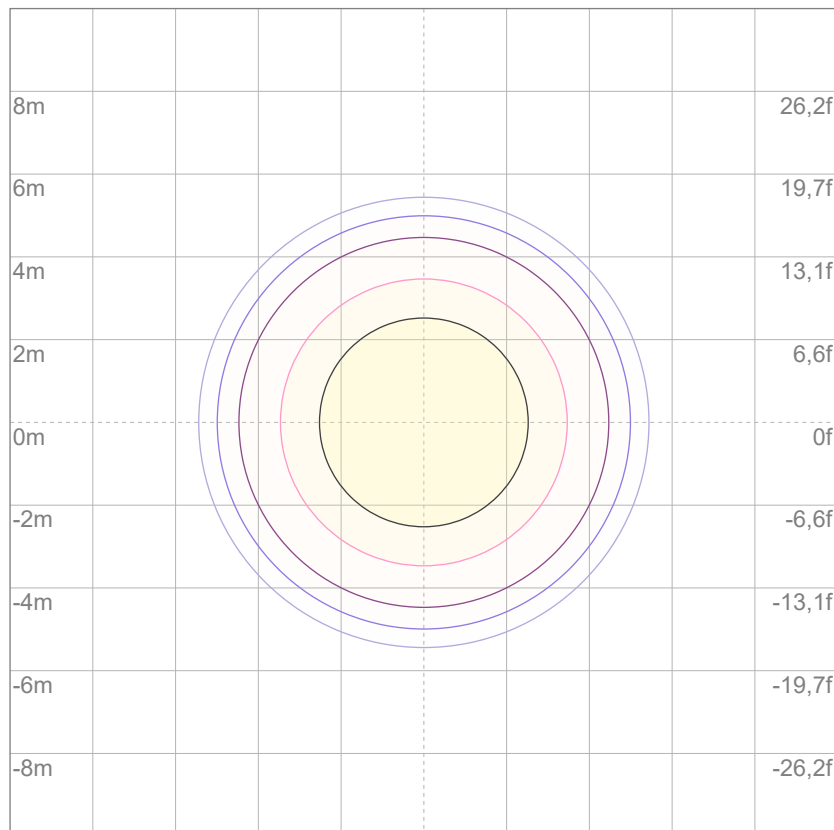
10%	188 cd
20%	376 cd
30%	564 cd
40%	751 cd
50%	939 cd
60%	1127 cd
70%	1315 cd
80%	1503 cd

Conditions:

Number of c-planes: 2

Candela at center: 1879 cd

ISO LUX DIAGRAM



3%	0,564 lx
5%	0,939 lx
10%	1,88 lx
30%	5,64 lx
50%	9,39 lx

Conditions:

Number of c-planes: 2

Lux at center: 18,8 lx

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



Total lumen output:

421 lm

Peak candela output:

3867 cd

Light quality:

CRI: 83,8

Color temperature:

2871 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 15-30 Lens - Min Zoom

Target:

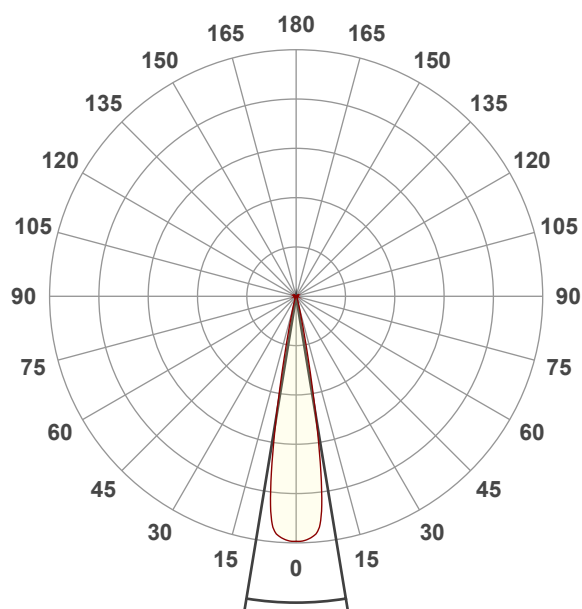
2800K

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 12:49:36

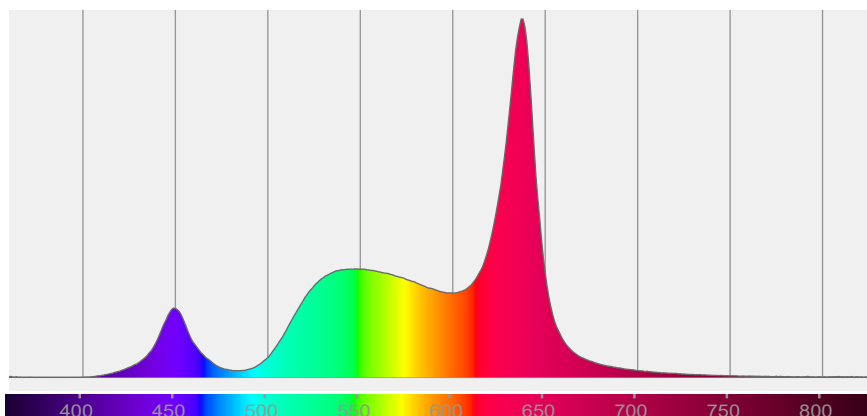


Beam angle 50%: 18,7°

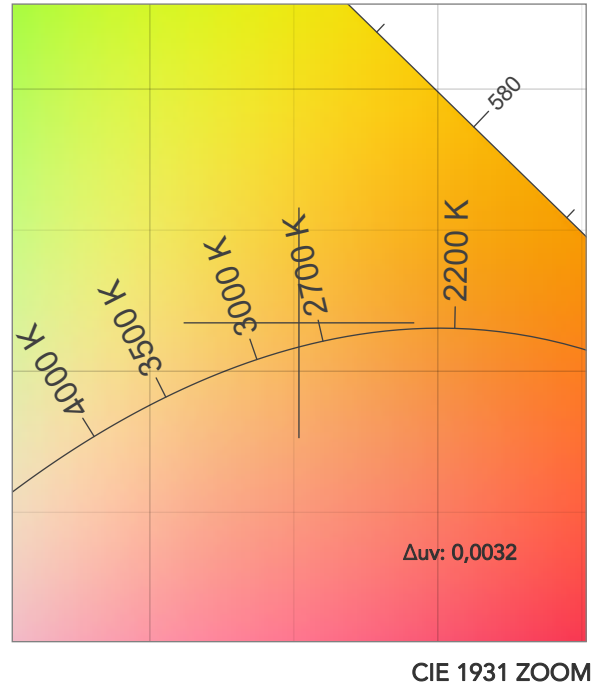
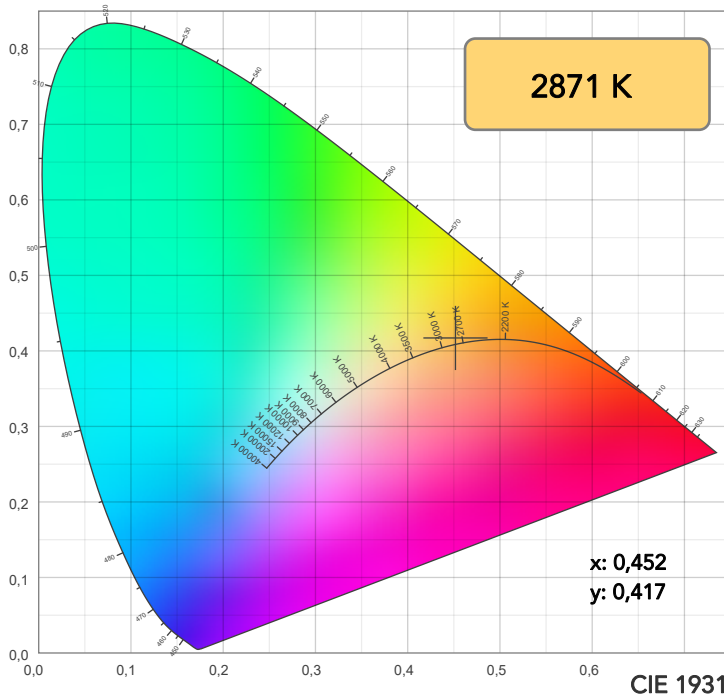
Field angle 10%: 26,5°

Cut off angle 2.5%: 37,5°

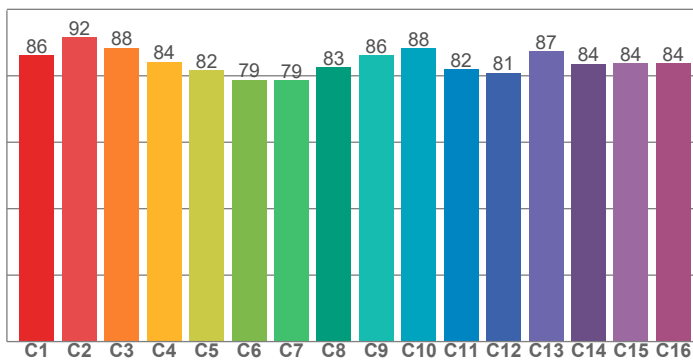
Spectra



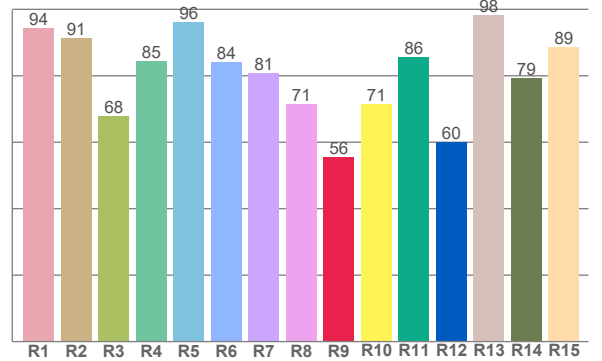
COLOR DETAILS



TM30: 84,6



CRI: 83,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,3	91,2	67,9	84,5	96,1	84,1	80,7	71,4	55,6	71,4	85,6	60,0	98,3	79,2	88,5

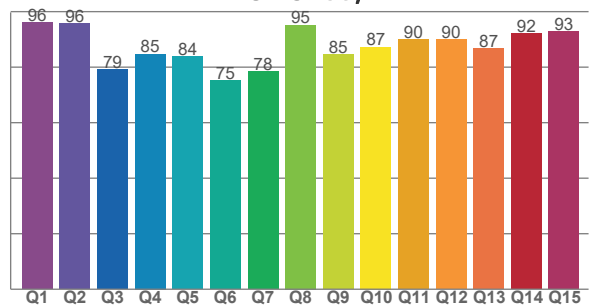
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
86,2	91,6	88,4	84,1	81,6	78,8	78,7	82,5	86,1	88,3	82,0	80,9	87,4	83,6	83,7	83,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,1	95,7	79,1	84,7	83,8	75,2	78,4	95,2	84,6	87,3	89,9	89,9	86,7	92,1	92,8

CQS: 85,7



COLOR PARAMETERS

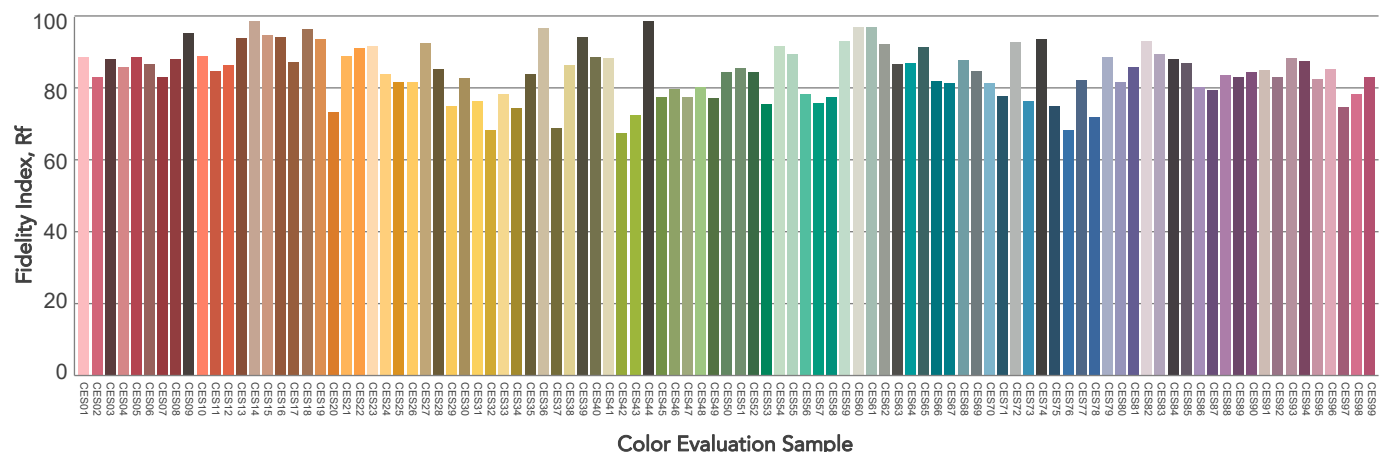
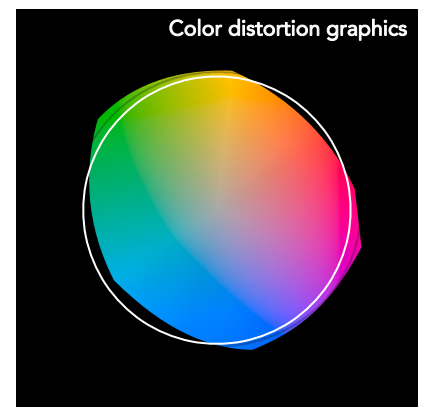
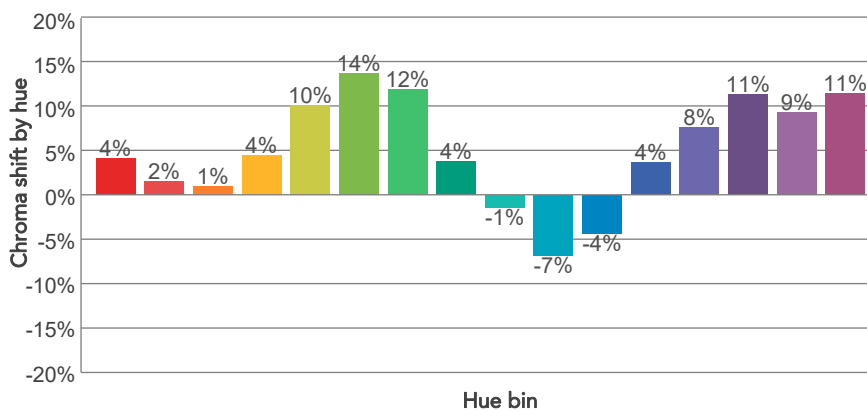
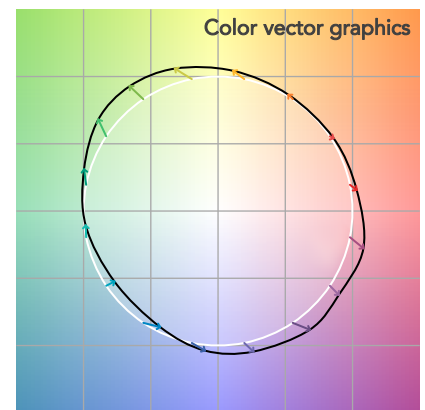
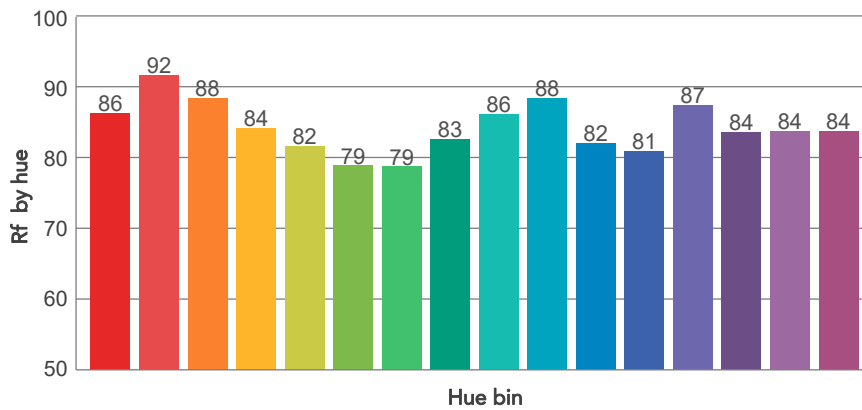
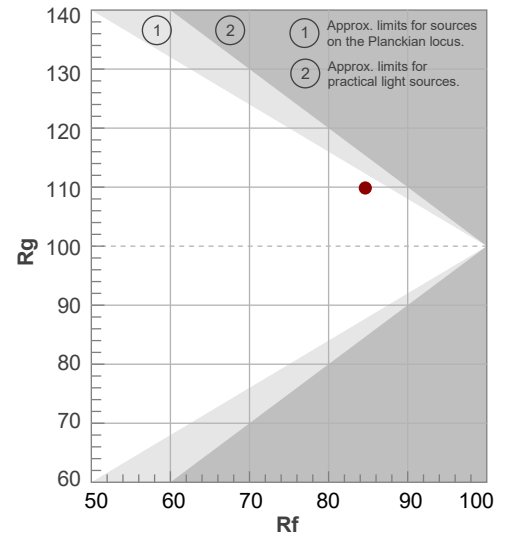
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2871 K	83,8	55,6	84,6	109,9	85,7	72	0,452	0,417	0,0032

TM30 DETAILS

Rf 84,6
Fidelity index Rf

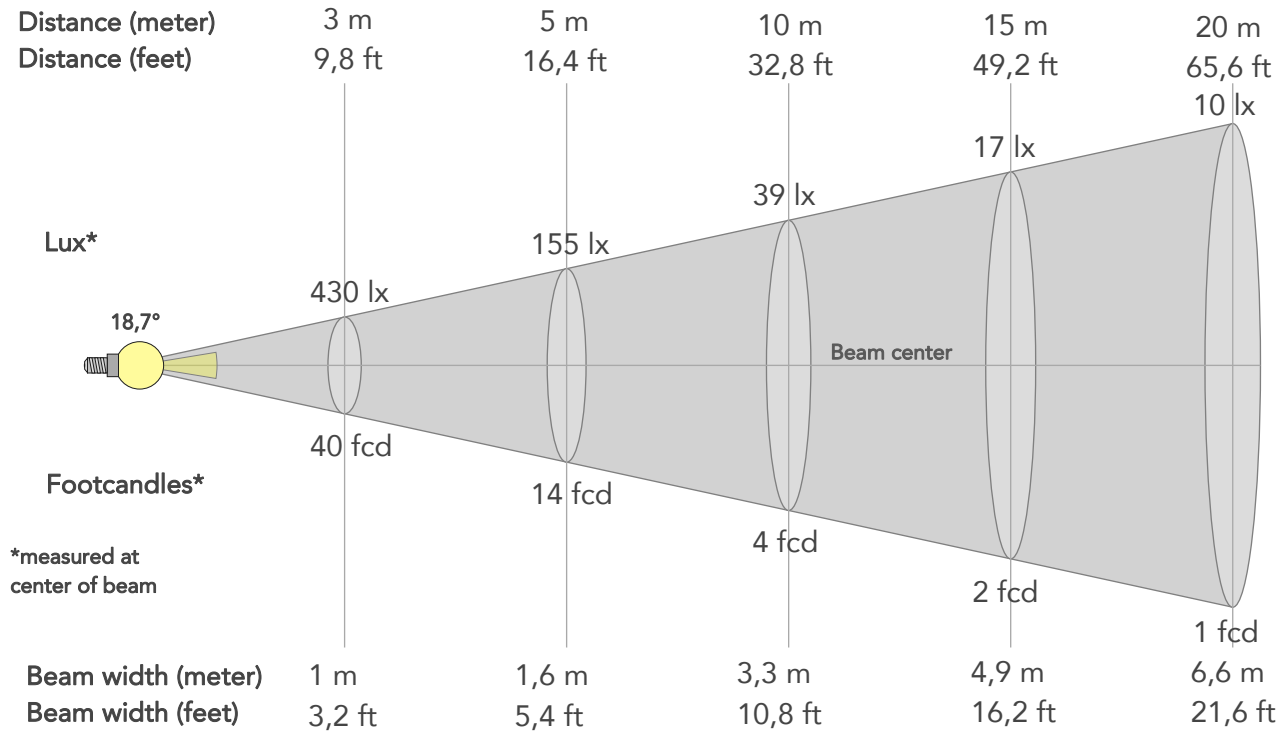
Rg 109,9
Gammut index

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



BEAM DETAILS

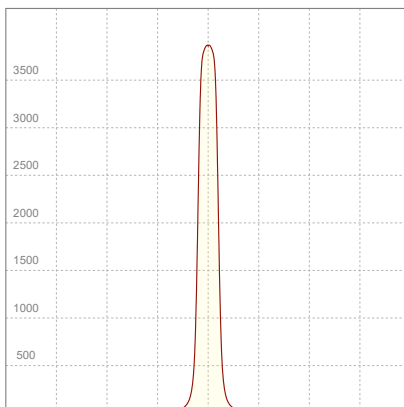
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,7°	26,5°	37,5°	98,6%	97,6%



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	3866lx	966lx	430lx	242lx	155lx	69lx	39lx	17lx	10lx	6lx	4lx	2lx	2lx
Footcand.	359fcd	90fcd	40fcd	22fcd	14fcd	6fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,6m	2,5m	3,3m	4,9m	6,6m	8,2m	9,9m	13,2m	16,4m
Beam wid.	1,1ft	2,2ft	3,2ft	4,3ft	5,4ft	8,1ft	10,8ft	16,2ft	21,6ft	27ft	32,4ft	43,2ft	53,9ft

LINEAR DISTRIBUTION DIAGRAM

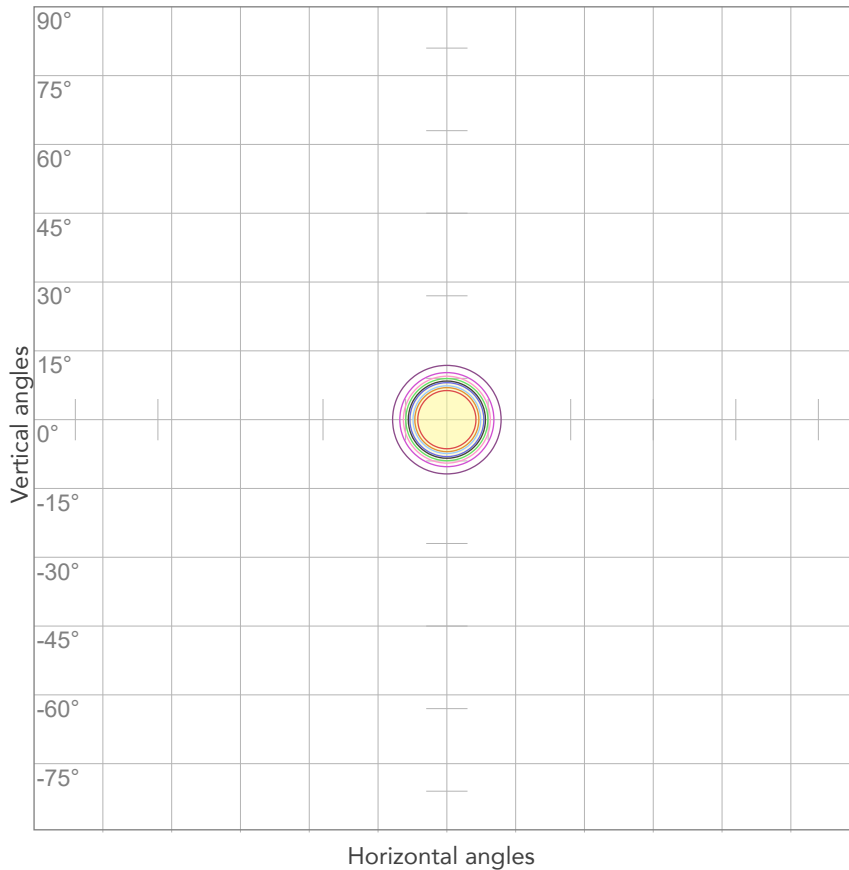


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,126A	23,5W	0,82	18lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



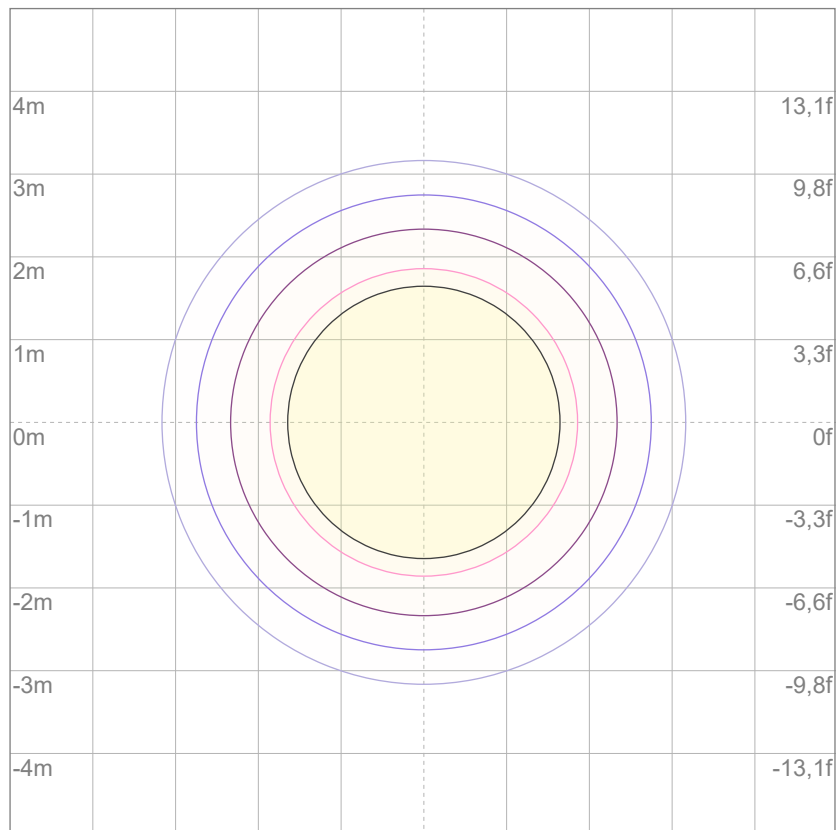
10%	387 cd
20%	773 cd
30%	1160 cd
40%	1546 cd
50%	1933 cd
60%	2319 cd
70%	2706 cd
80%	3092 cd

Conditions:

Number of c-planes: 2

Candela at center: 3866 cd

ISO LUX DIAGRAM



3%	1,16 lx
5%	1,93 lx
10%	3,87 lx
30%	11,6 lx
50%	19,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 38,7 lx

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



Total lumen output:

550 lm

Peak candela output:

2088 cd

Light quality:

CRI: 84,0

Color temperature:

3218 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 15-30 Lens - Max Zoom

Target:

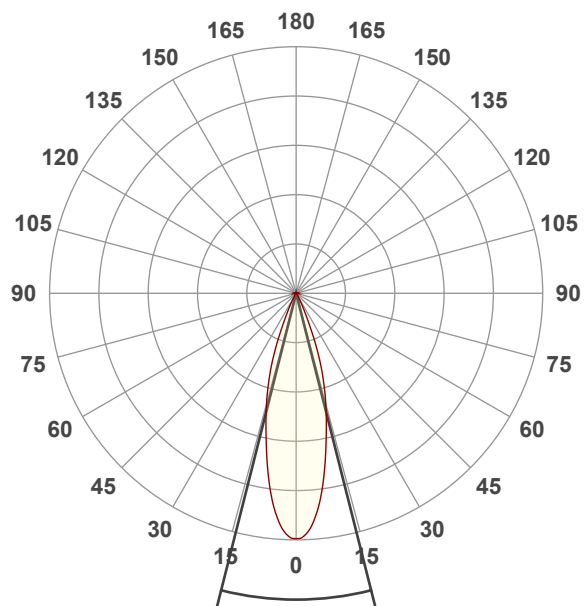
3200K

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 11:51:12

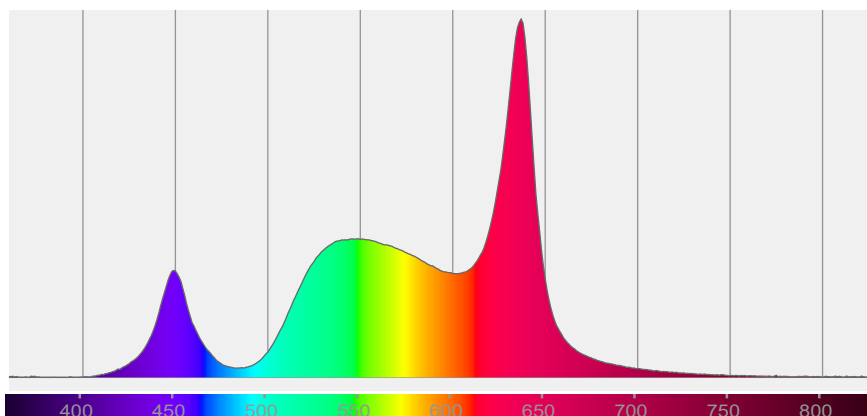


Beam angle 50%: 28,3°

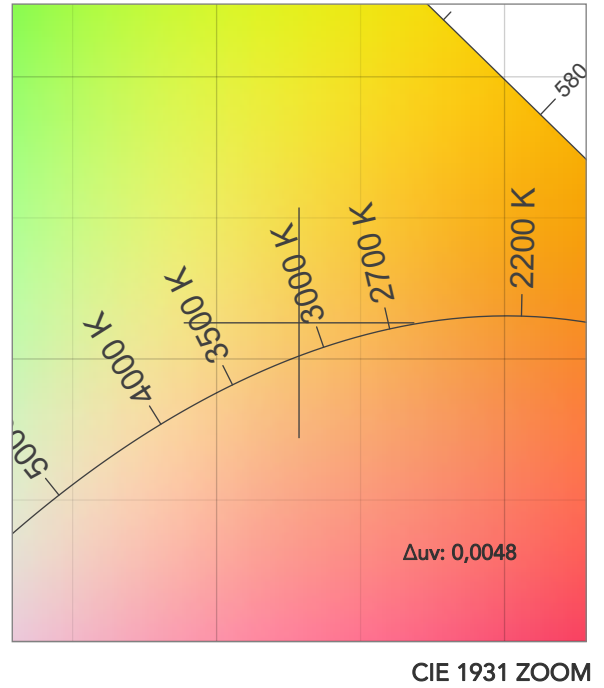
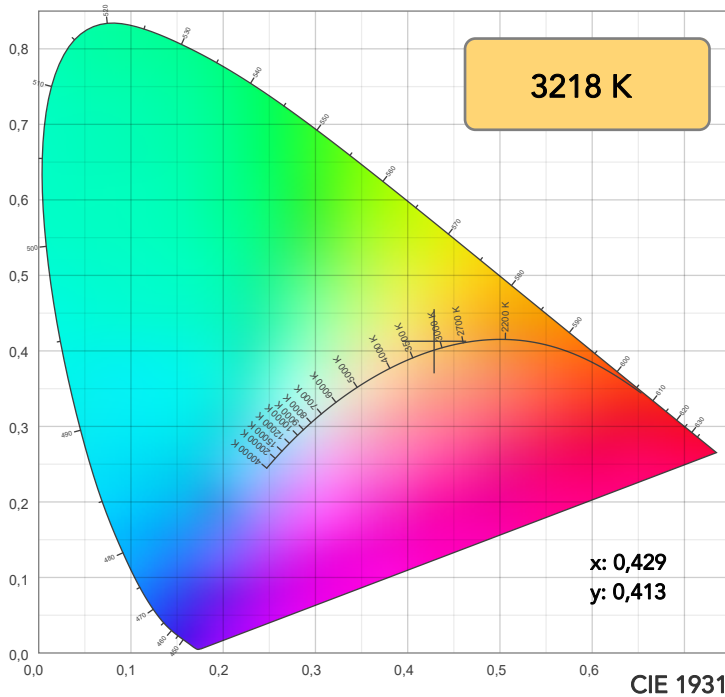
Field angle 10%: 48,3°

Cut off angle 2.5%: 59,1°

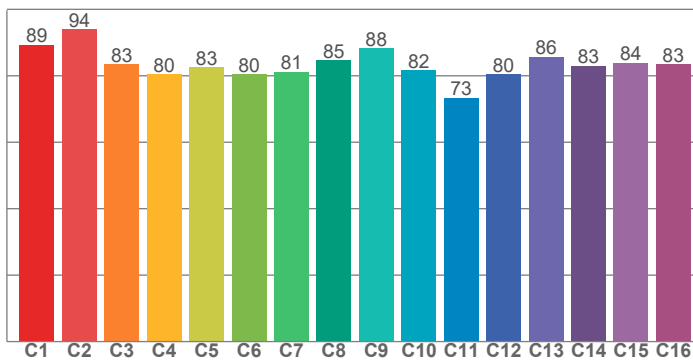
Spectra



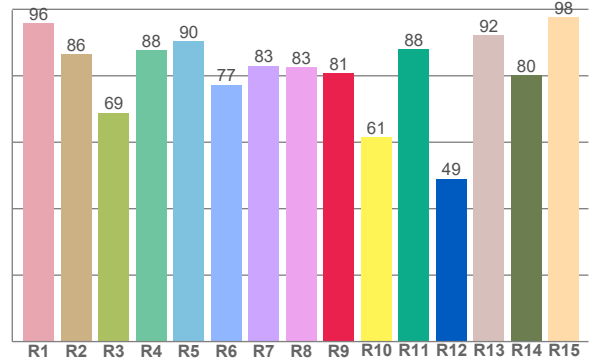
COLOR DETAILS



TM30: 83,7



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
95,9	86,4	68,9	87,7	90,4	77,3	83,0	82,5	80,8	61,4	87,9	49,0	92,2	80,3	97,6

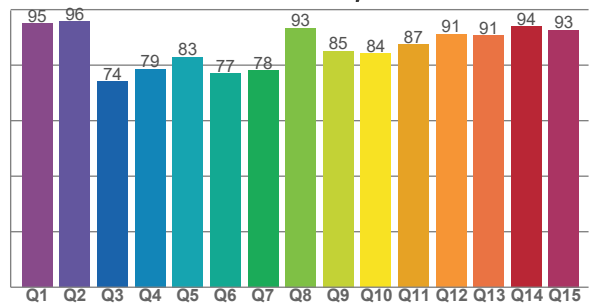
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,3	94,0	83,5	80,4	82,6	80,4	81,2	84,6	88,2	81,6	73,4	80,5	85,7	83,0	83,9	83,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,9	95,7	74,2	78,6	82,9	77,0	78,0	93,4	85,1	84,2	87,4	91,2	90,6	93,9	92,6

CQS: 84,8



COLOR PARAMETERS

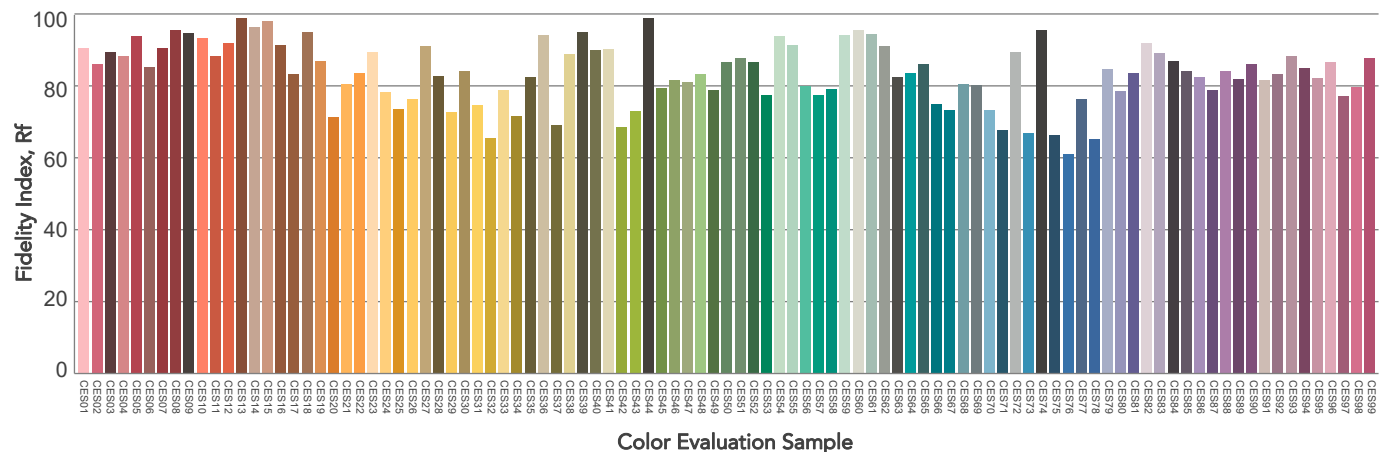
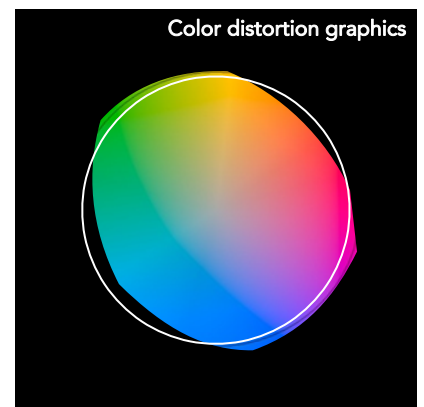
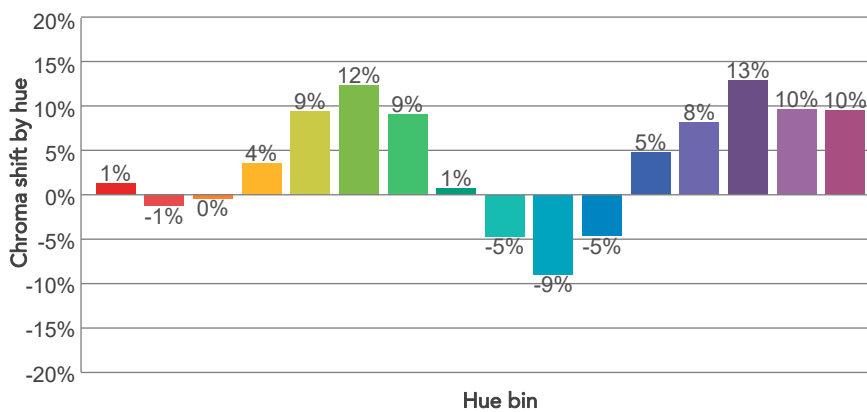
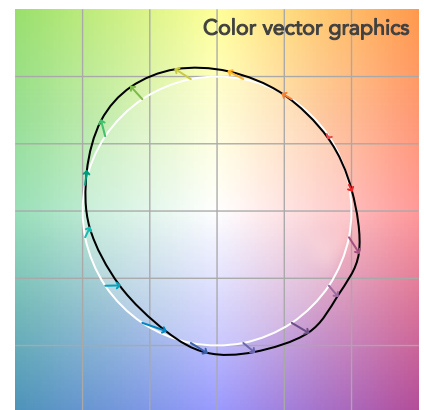
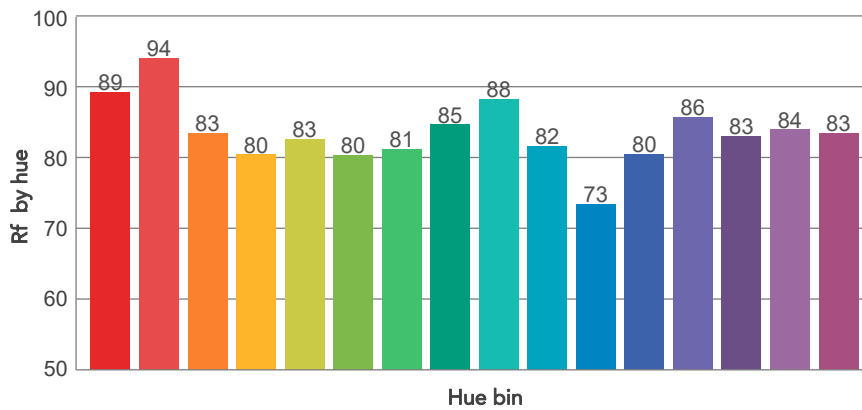
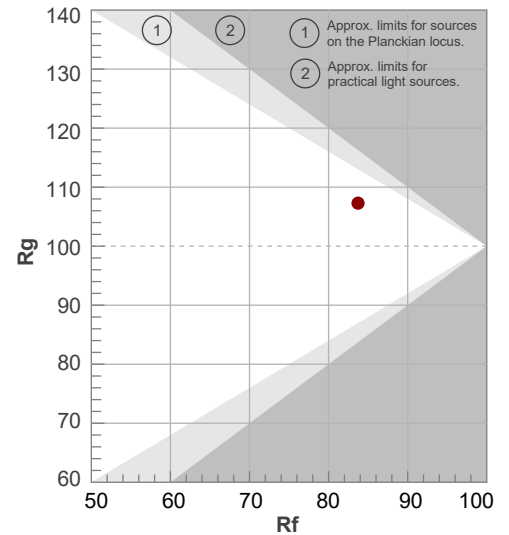
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3218 K	84,0	80,8	83,7	107,3	84,8	73	0,429	0,413	0,0048

TM30 DETAILS

Rf 83,7
Fidelity index Rf

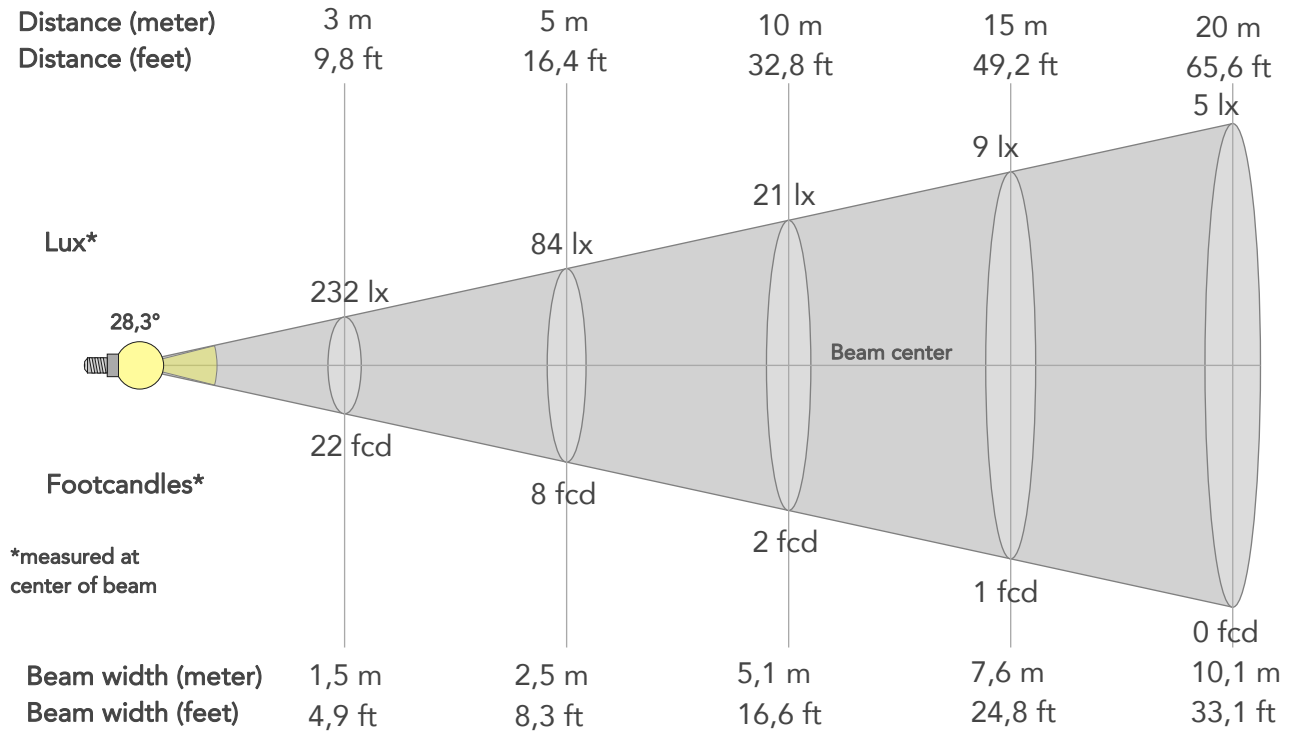
Rg 107,3
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	1%	-5%
2	94	-1%	-1%
3	83	0%	8%
4	80	4%	12%
5	83	9%	10%
6	80	12%	2%
7	81	9%	-8%
8	85	1%	-10%
9	88	-5%	-6%
10	82	-9%	6%
11	73	-5%	18%
12	80	5%	13%
13	86	8%	7%
14	83	13%	6%
15	84	10%	-3%
16	83	10%	-10%



BEAM DETAILS

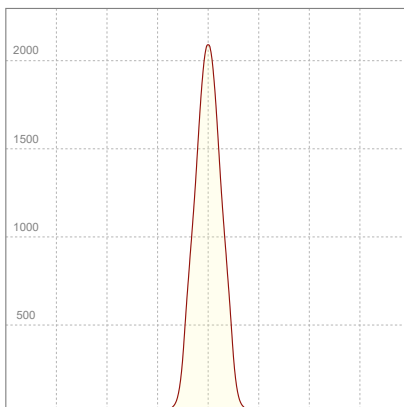
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
28,3°	48,3°	59,1°	99,0%	98,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2088lx	522lx	232lx	130lx	84lx	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	5,1m	7,6m	10,1m	12,6m	15,2m	20,2m	25,3m
Beam wid.	1,7ft	3,3ft	4,9ft	6,6ft	8,3ft	12,4ft	16,6ft	24,8ft	33,1ft	41,4ft	49,7ft	66,3ft	82,8ft

LINEAR DISTRIBUTION DIAGRAM

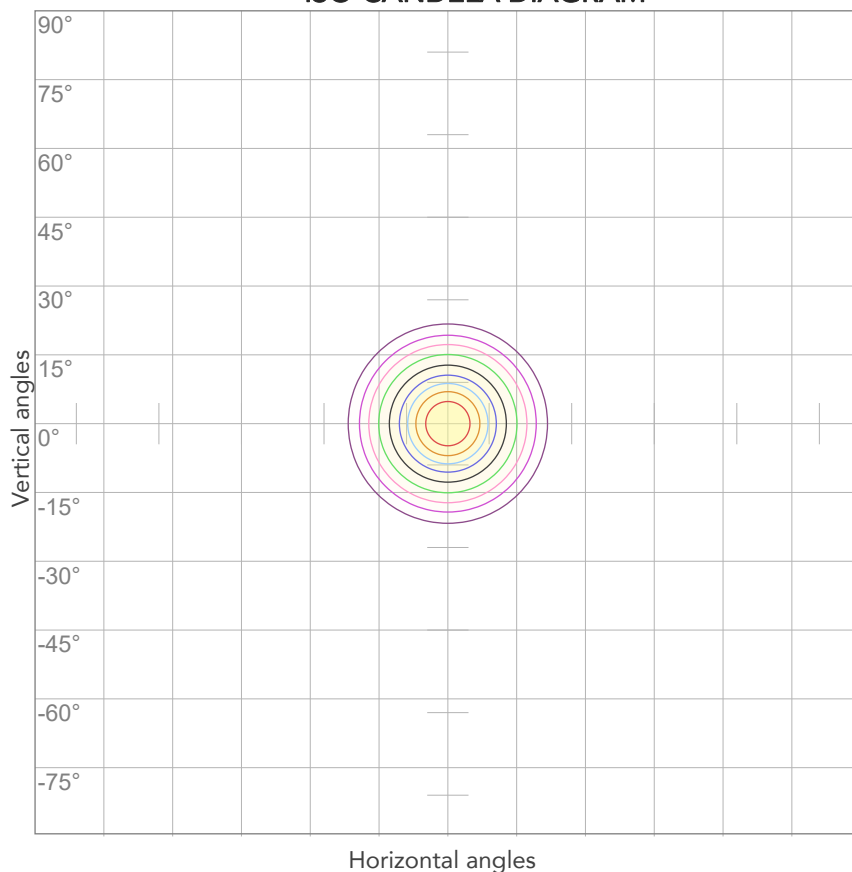


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,132A	25,7W	0,85	21lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



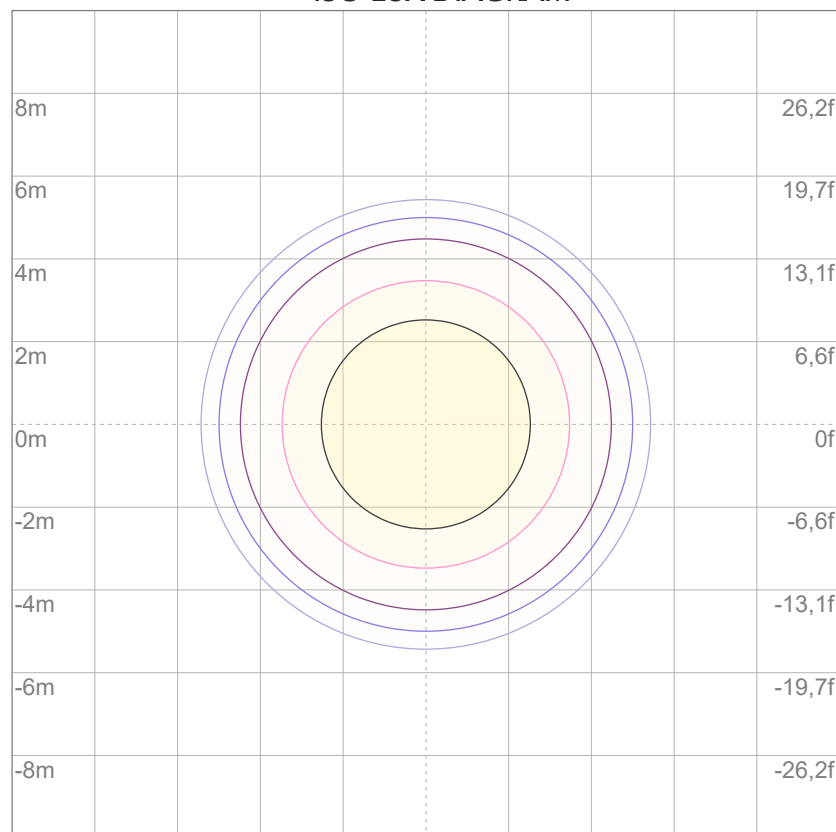
10%	209 cd
20%	418 cd
30%	626 cd
40%	835 cd
50%	1044 cd
60%	1253 cd
70%	1461 cd
80%	1670 cd

Conditions:

Number of c-planes: 2

Candela at center: 2088 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:

468 lm

Peak candela output:

4304 cd

Light quality:

CRI: 84,0

Color temperature:

3215 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 15-30 Lens - Min Zoom

Target:

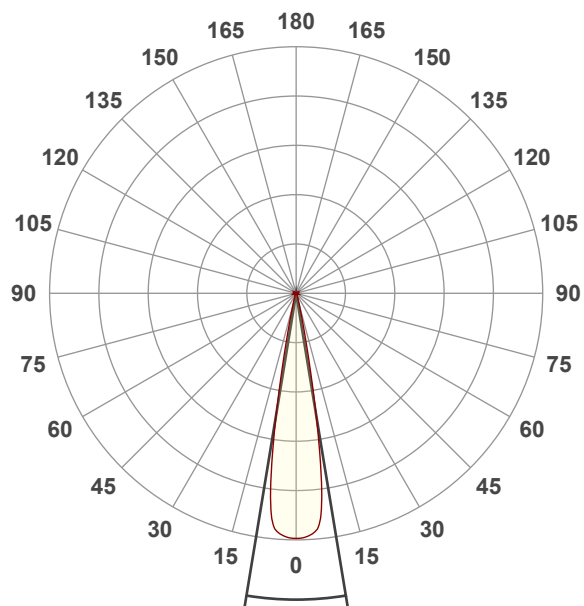
3200K

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 12:46:11

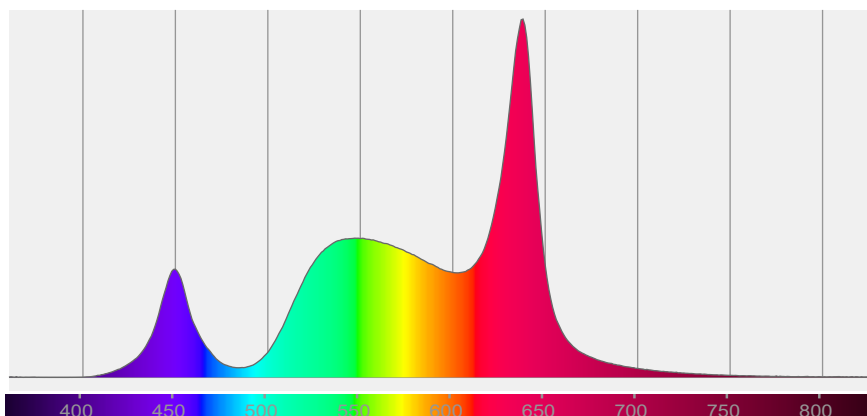


Beam angle 50%: 18,7°

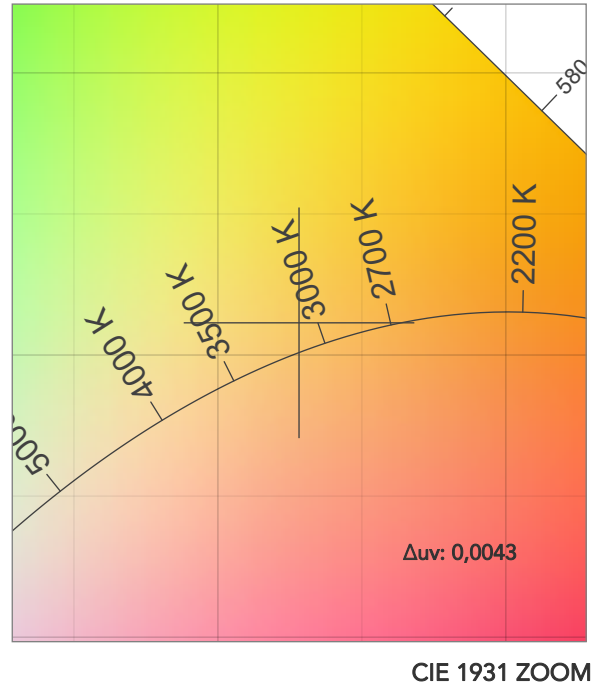
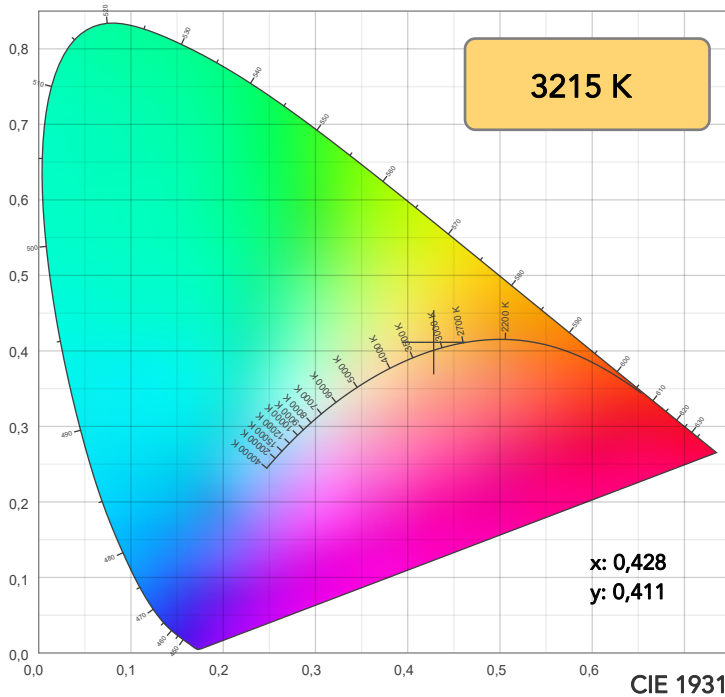
Field angle 10%: 26,5°

Cut off angle 2.5%: 37,5°

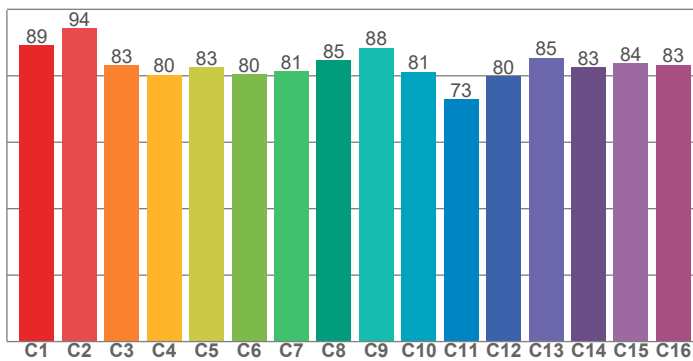
Spectra



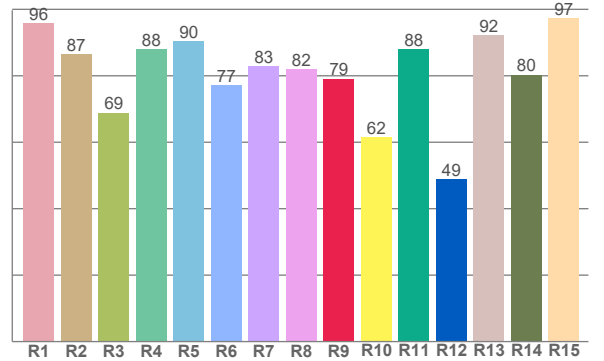
COLOR DETAILS



TM30: 83,6



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
95,8	86,5	68,9	87,9	90,3	77,1	83,0	82,1	79,1	61,5	87,9	48,9	92,1	80,3	97,4

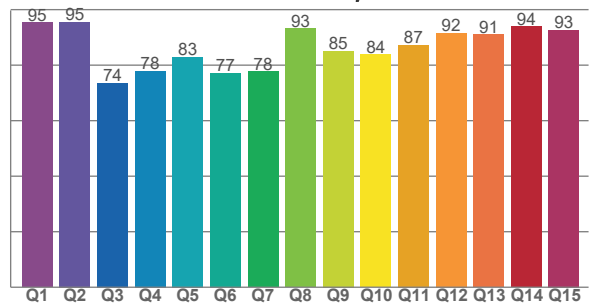
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,2	94,2	83,2	80,2	82,6	80,5	81,4	84,7	88,4	81,2	72,9	79,8	85,4	82,5	83,8	83,4

CQS Q values

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

CQS: 84,6



COLOR PARAMETERS

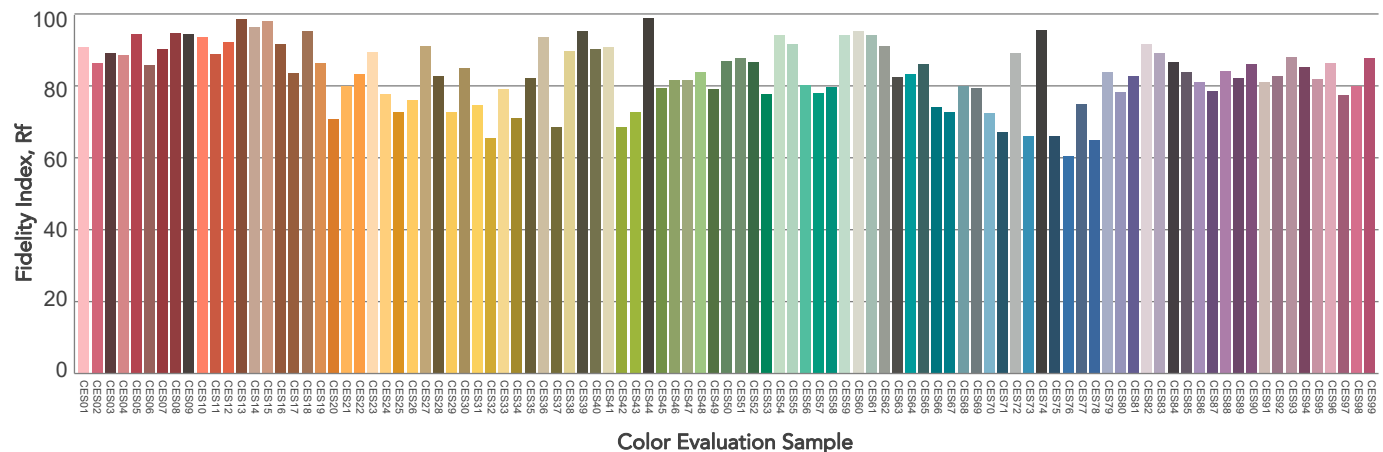
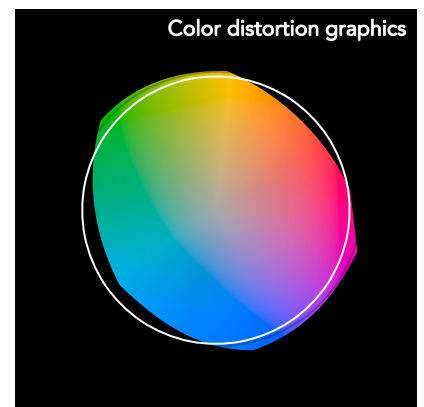
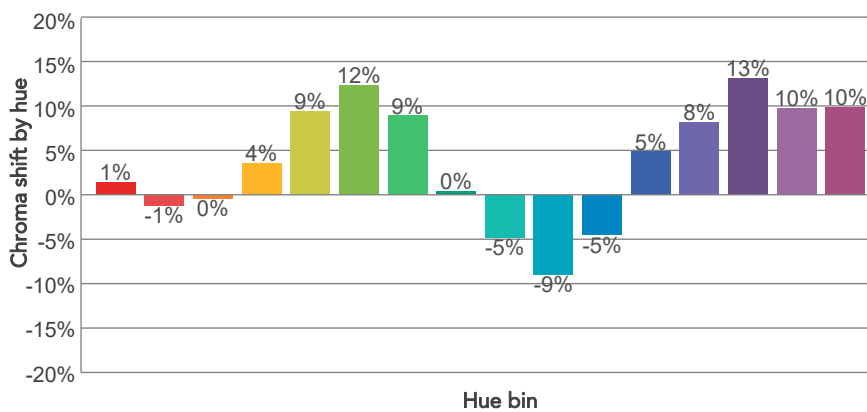
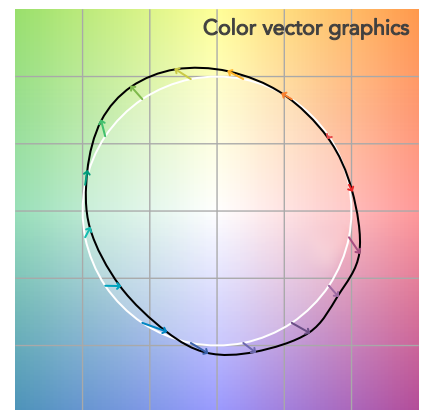
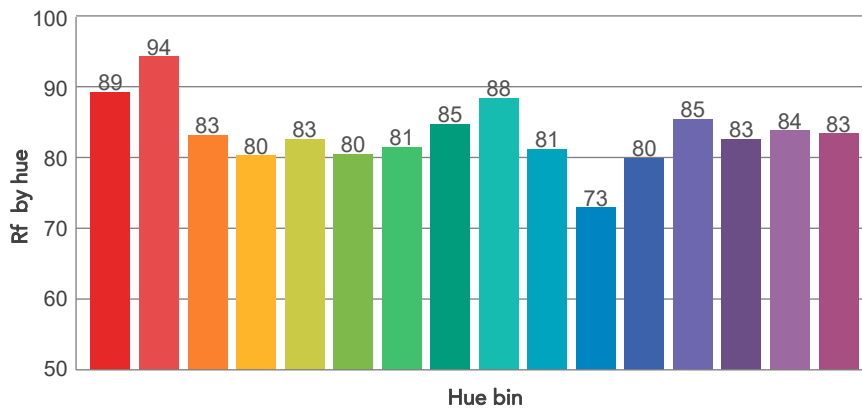
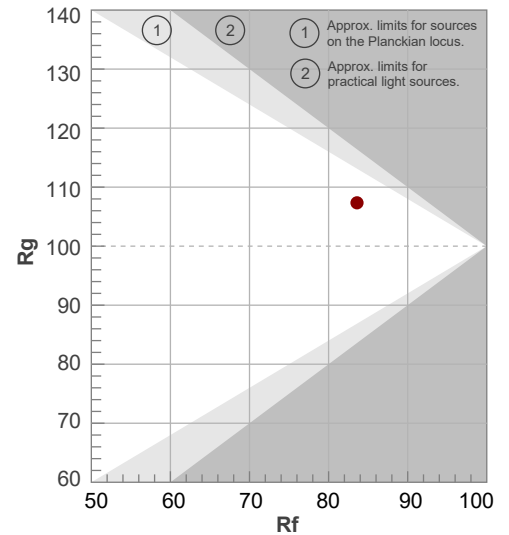
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3215 K	84,0	79,1	83,6	107,3	84,6	73	0,428	0,411	0,0043

TM30 DETAILS

Rf 83,6
Fidelity index Rf

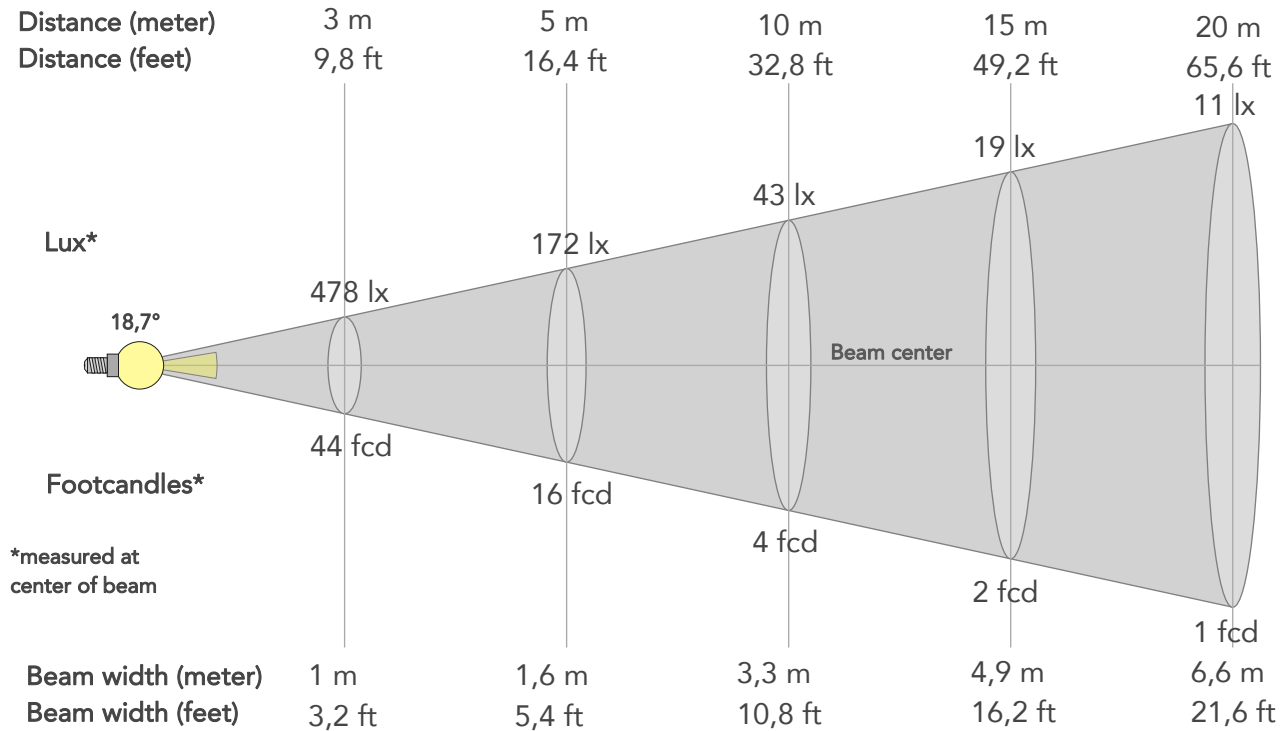
Rg 107,3
Gammut index

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



BEAM DETAILS

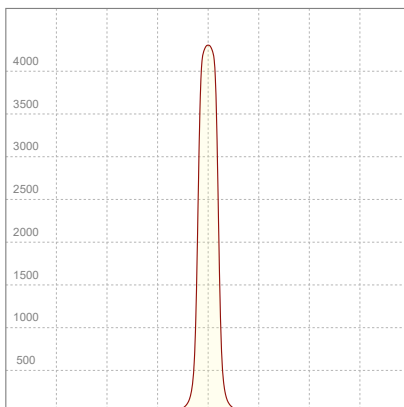
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,7°	26,5°	37,5°	98,7%	97,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	4304lx	1076lx	478lx	269lx	172lx	77lx	43lx	19lx	11lx	7lx	5lx	3lx	2lx
Footcand.	400fcd	100fcd	44fcd	25fcd	16fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,6m	2,5m	3,3m	4,9m	6,6m	8,2m	9,9m	13,2m	16,4m
Beam wid.	1,1ft	2,2ft	3,2ft	4,3ft	5,4ft	8,1ft	10,8ft	16,2ft	21,6ft	27ft	32,4ft	43,1ft	53,9ft

LINEAR DISTRIBUTION DIAGRAM

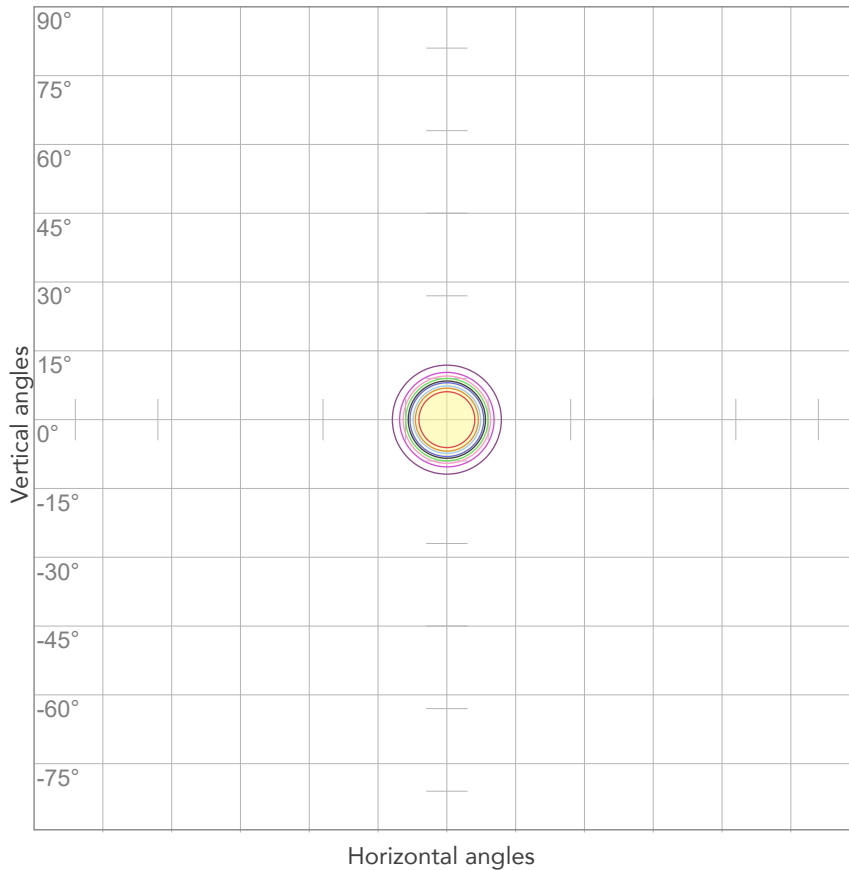


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,133A	25,5W	0,84	18lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



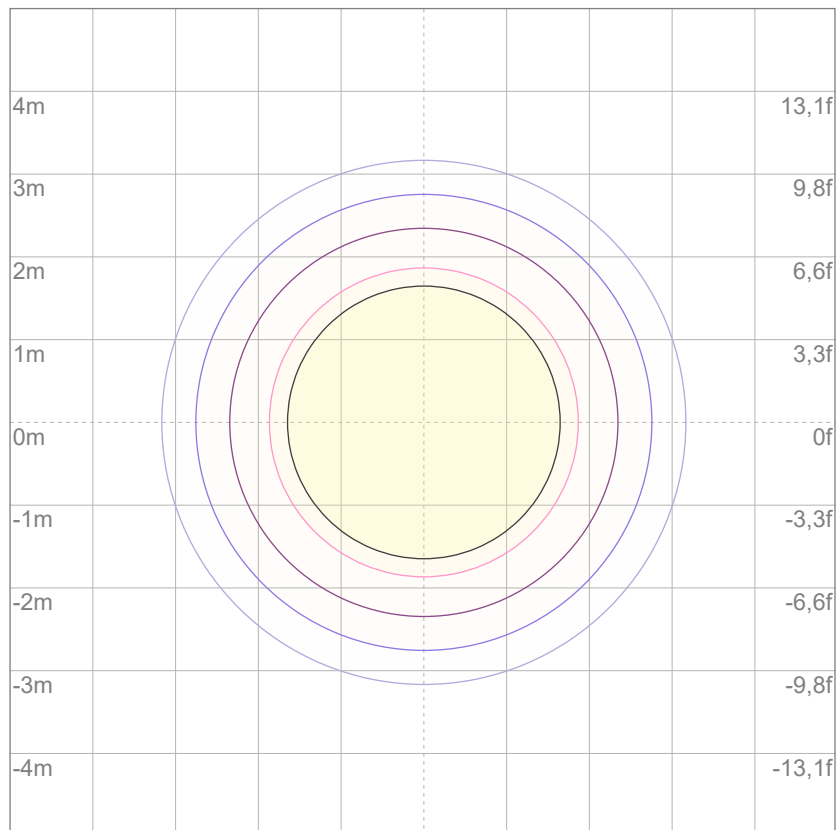
10%	430 cd
20%	861 cd
30%	1291 cd
40%	1722 cd
50%	2152 cd
60%	2582 cd
70%	3013 cd
80%	3443 cd

Conditions:

Number of c-planes: 2

Candela at center: 4304 cd

ISO LUX DIAGRAM



3%	1,29 lx
5%	2,15 lx
10%	4,30 lx
30%	12,9 lx
50%	21,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 43,0 lx

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



Total lumen output:

536 lm

Peak candela output:

2034 cd

Light quality:

CRI: 82,3

Color temperature:

4017 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 15-30 Lens - Max Zoom

Target:

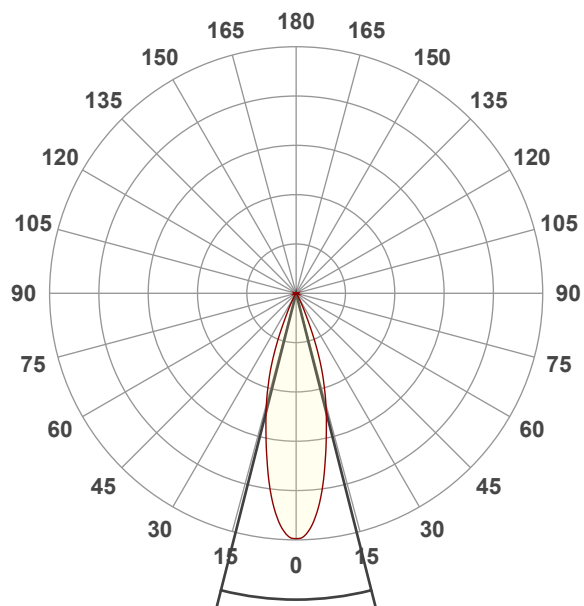
4000K

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 11:59:50

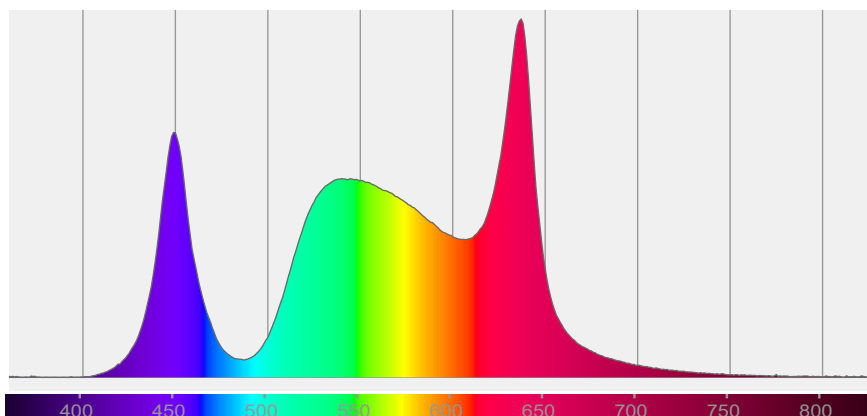


Beam angle 50%: 28,4°

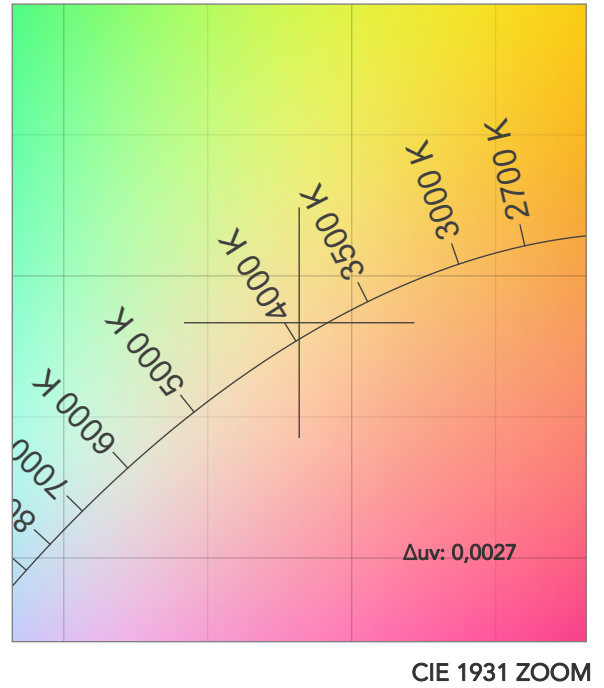
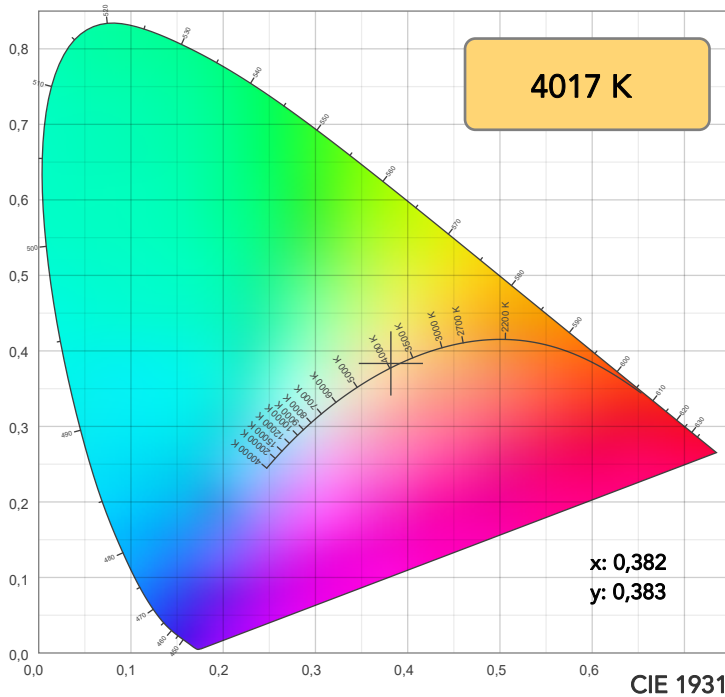
Field angle 10%: 48,2°

Cut off angle 2.5%: 59,2°

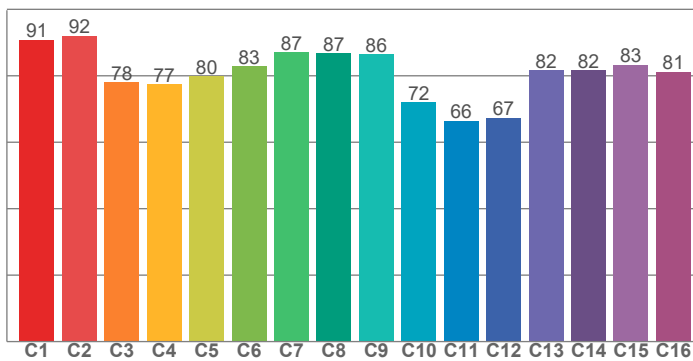
Spectra



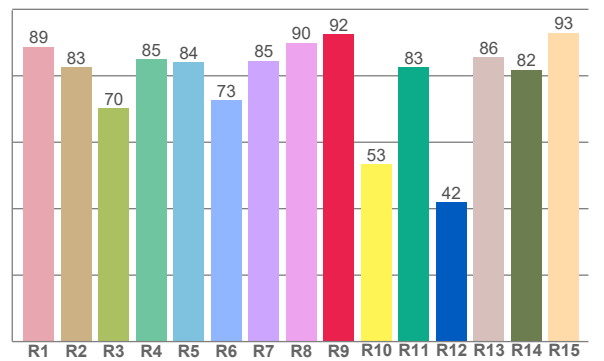
COLOR DETAILS



TM30: 81,0



CRI: 82,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
88,8	82,6	70,4	85,1	84,2	72,6	84,5	89,9	92,4	53,5	82,6	42,0	85,7	81,8	93,0

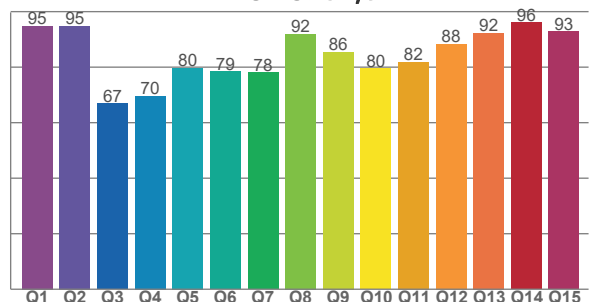
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,9	92,1	78,0	77,4	79,9	82,9	87,0	86,8	86,4	72,0	66,4	67,4	81,7	81,7	83,3	81,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,8	94,9	66,9	69,6	79,6	78,5	78,1	92,0	85,5	79,6	81,9	88,4	92,4	96,0	92,8

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
4017 K	82,3	92,4	81,0	104,2	82,3	70	0,382	0,383	0,0027

TM30 DETAILS

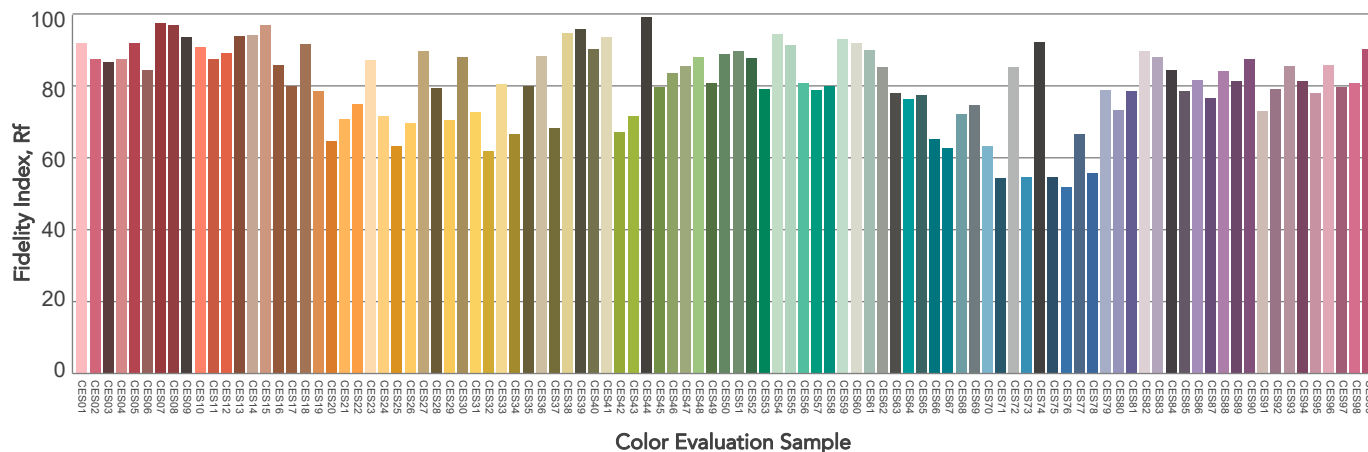
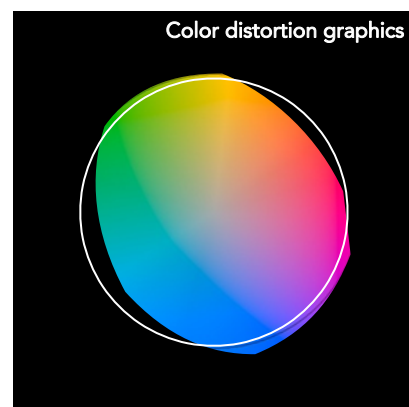
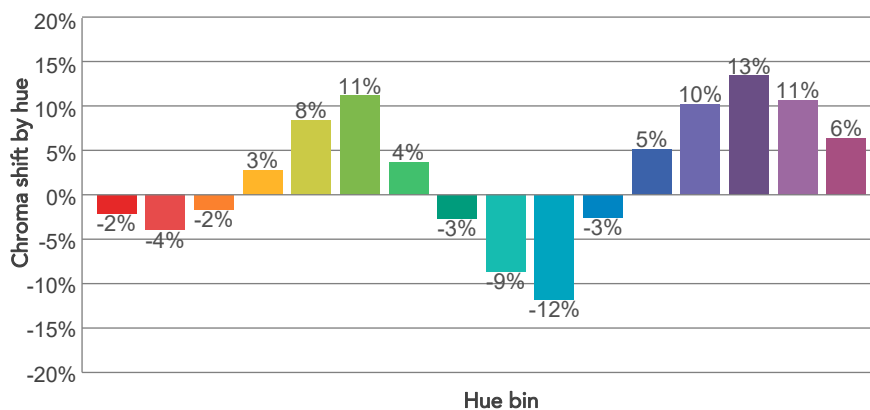
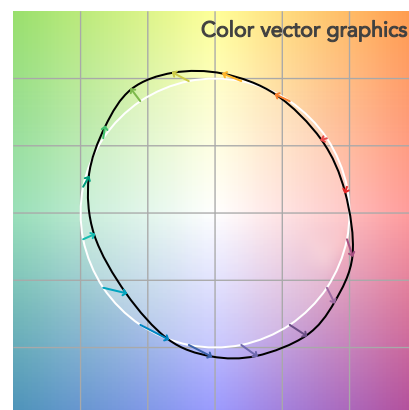
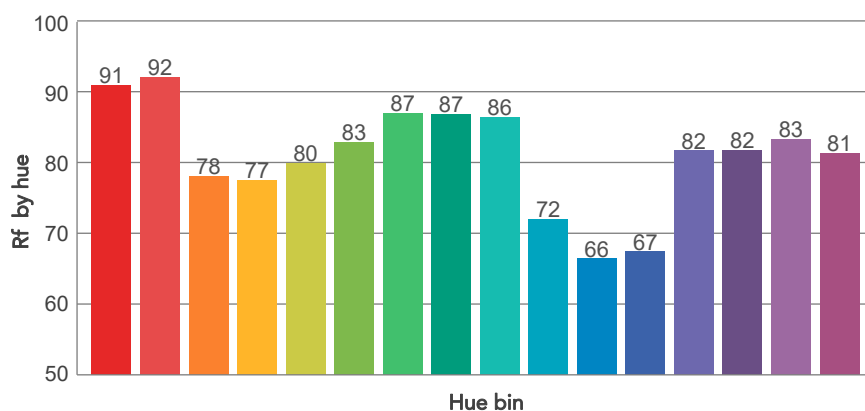
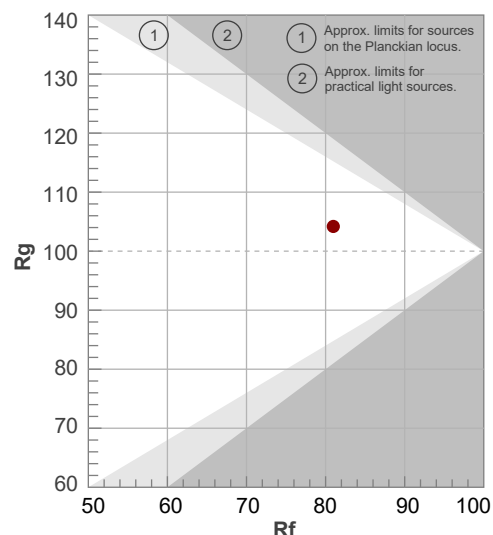
Rf 81,0

Fidelity index Rf

Rg 104,2

Gammut index

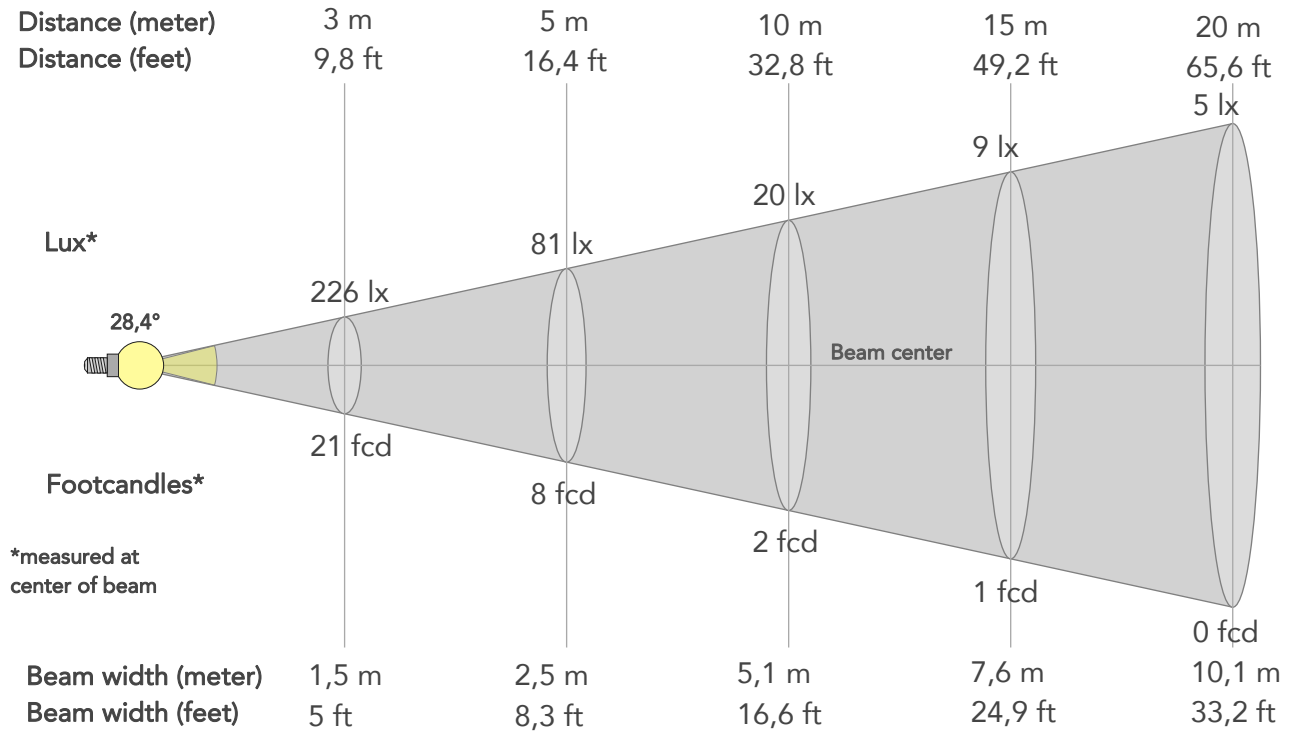
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-2%	-4%
2	92	-4%	1%
3	78	-2%	11%
4	77	3%	14%
5	80	8%	10%
6	83	11%	1%
7	87	4%	-8%
8	87	-3%	-8%
9	86	-9%	-2%
10	72	-12%	13%
11	66	-3%	23%
12	67	5%	18%
13	82	10%	10%
14	82	13%	6%
15	83	11%	-6%
16	81	6%	-11%



BEAM DETAILS



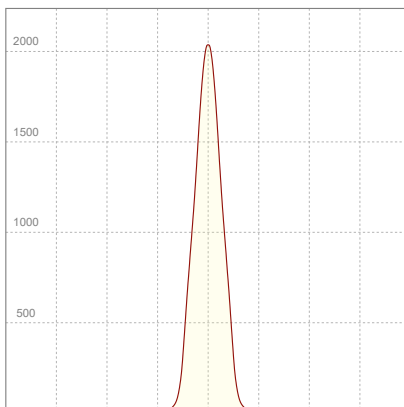
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
28,4°	48,2°	59,2°	99,1%	98,2%



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	2034lx	509lx	226lx	127lx	81lx	36lx	20lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	189fcd	47fcd	21fcd	12fcd	8fcd	3fcd	2fcd	1fcd	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	20,3m	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	66,5ft	83,1ft

LINEAR DISTRIBUTION DIAGRAM

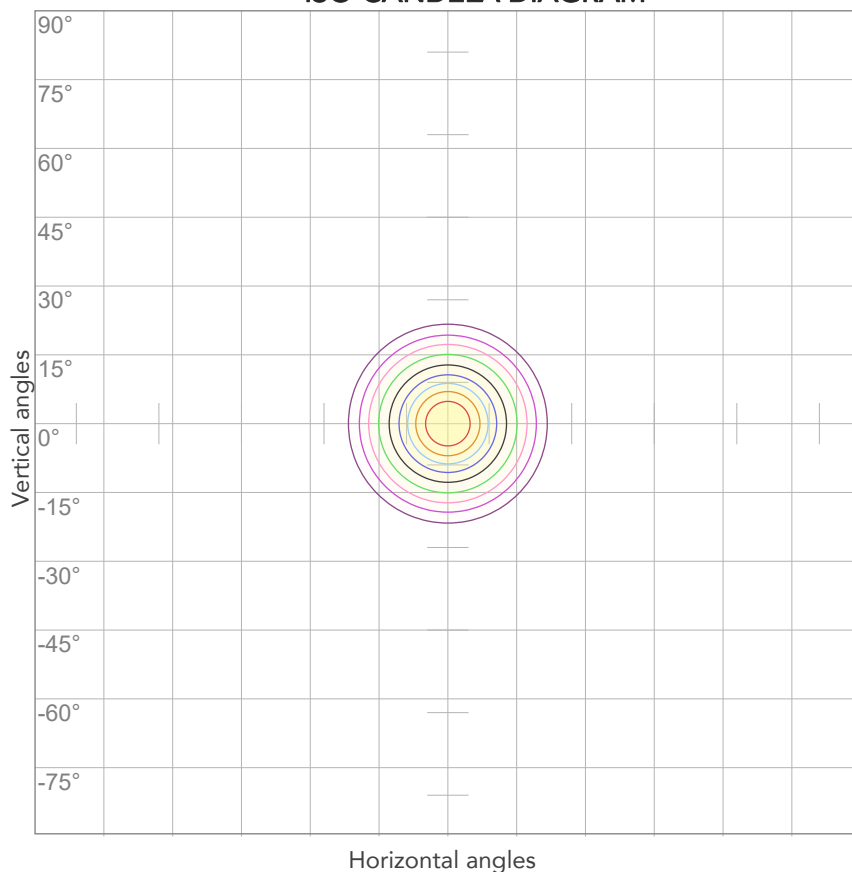


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,133A	25,9W	0,85	21lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



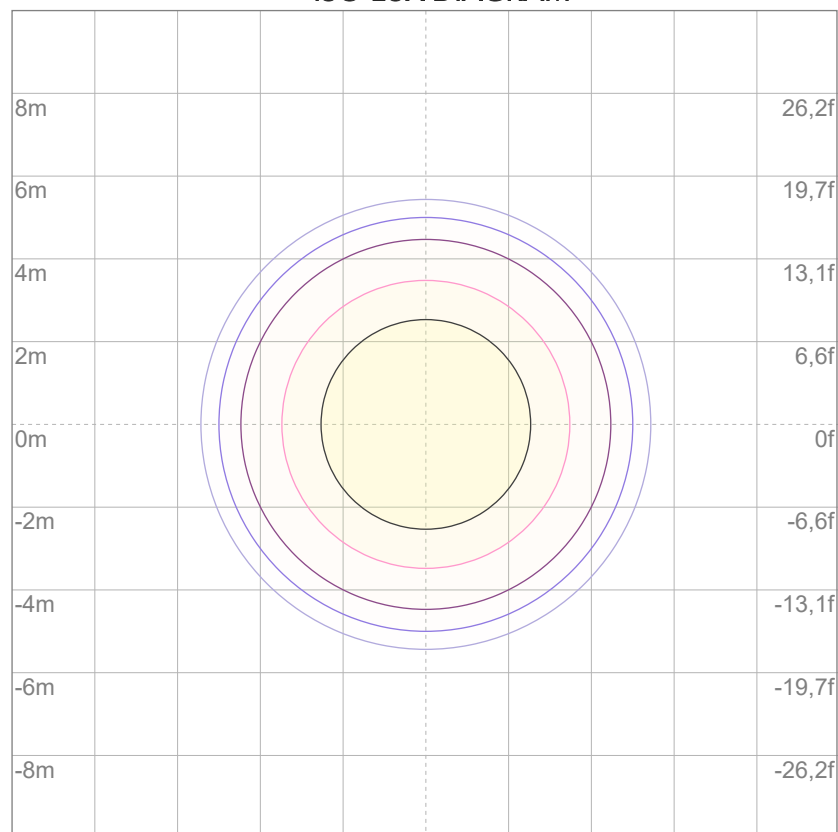
10%	203 cd
20%	407 cd
30%	610 cd
40%	814 cd
50%	1017 cd
60%	1221 cd
70%	1424 cd
80%	1628 cd

Conditions:

Number of c-planes: 2

Candela at center: 2034 cd

ISO LUX DIAGRAM



3%	0,610 lx
5%	1,02 lx
10%	2,03 lx
30%	6,10 lx
50%	10,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 20,3 lx

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



Total lumen output:

466 lm

Peak candela output:

4287 cd

Light quality:

CRI: 82,5

Color temperature:

4010 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 15-30 Lens - Min Zoom

Target:

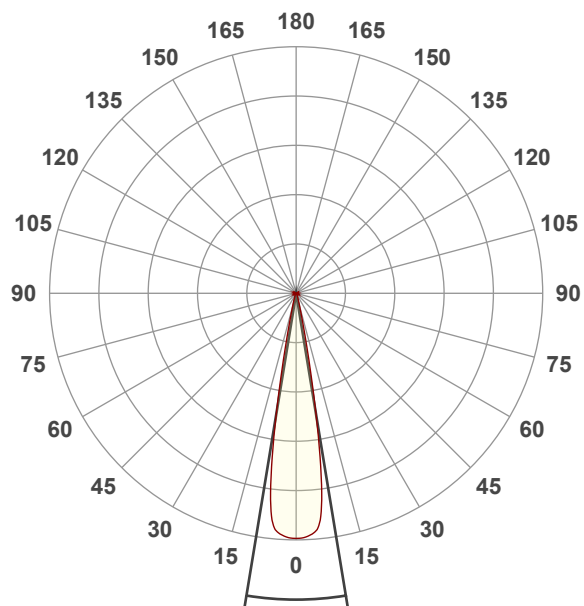
4000K

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 12:38:11

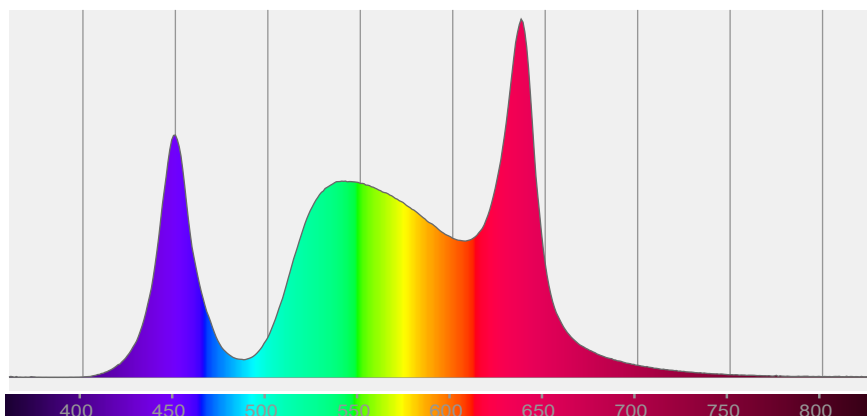


Beam angle 50%: 18,7°

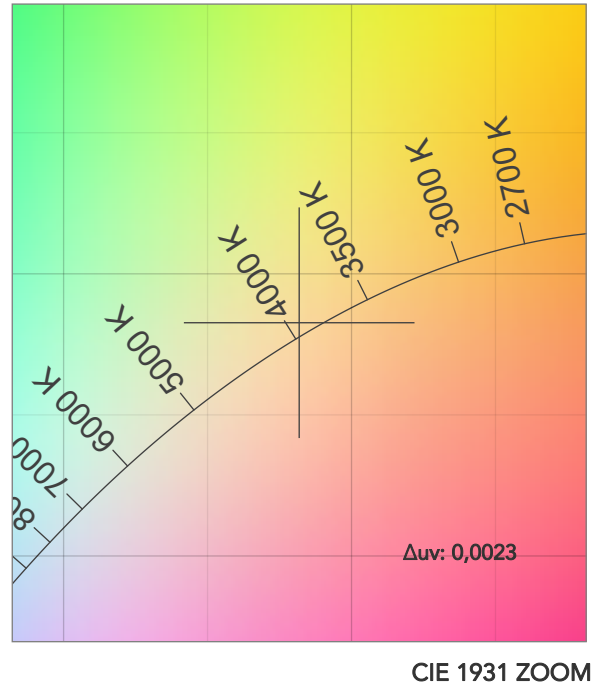
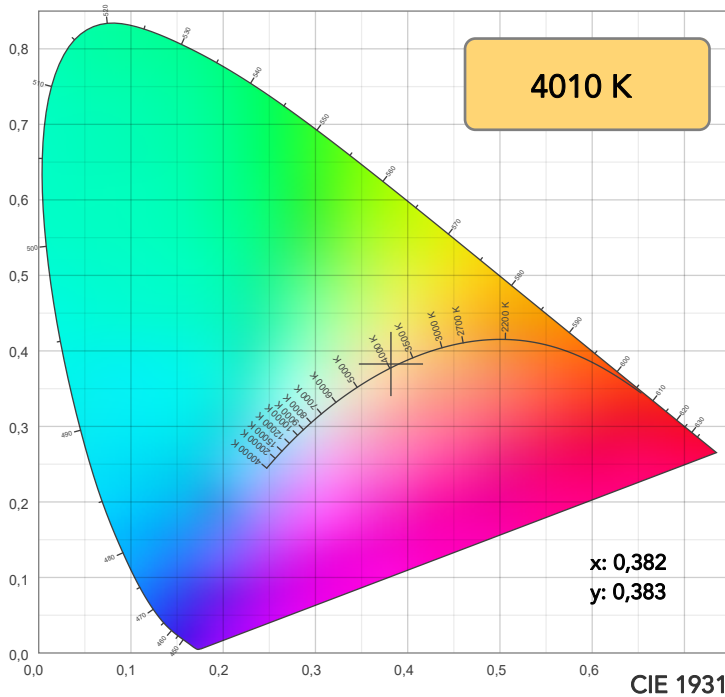
Field angle 10%: 26,5°

Cut off angle 2.5%: 37,6°

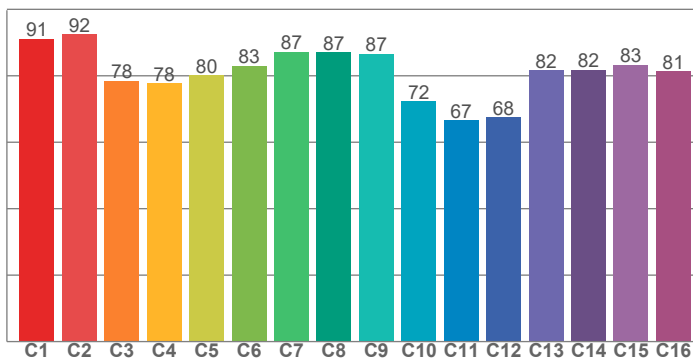
Spectra



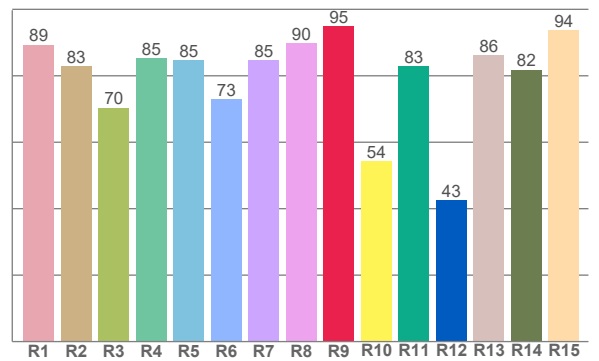
COLOR DETAILS



TM30: 81,2



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
89,4	83,0	70,4	85,4	84,7	73,0	84,6	89,7	94,9	54,3	83,0	42,6	86,2	81,8	93,8

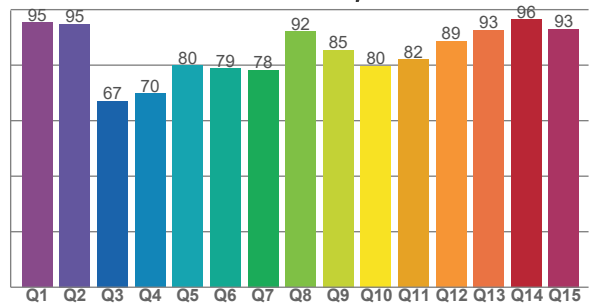
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91,2	92,4	78,5	77,8	80,1	83,0	87,2	87,1	86,7	72,3	66,6	67,5	81,6	81,8	83,4	81,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,3	94,8	67,0	69,8	79,9	78,9	78,3	92,2	85,4	79,8	82,1	88,7	92,7	96,4	93,1

CQS: 82,5



COLOR PARAMETERS

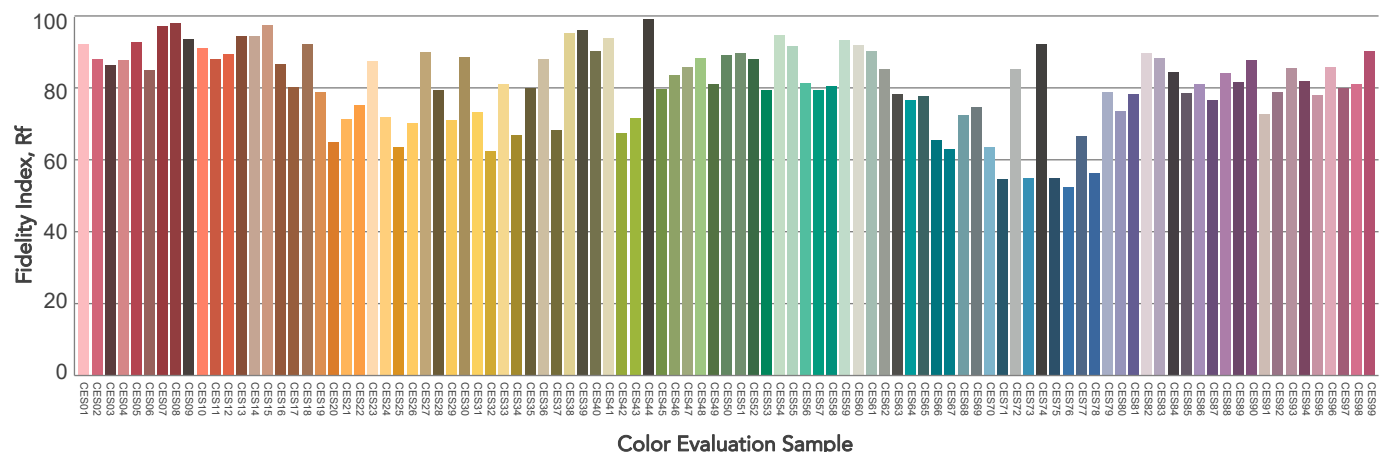
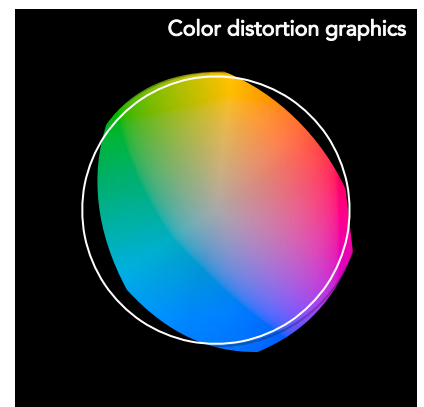
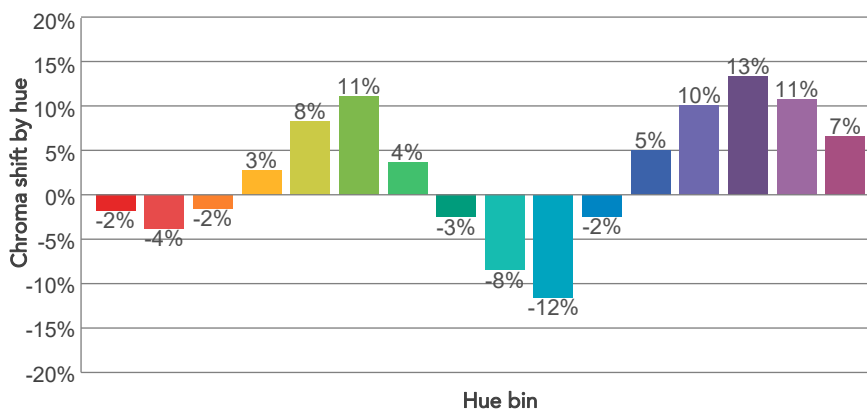
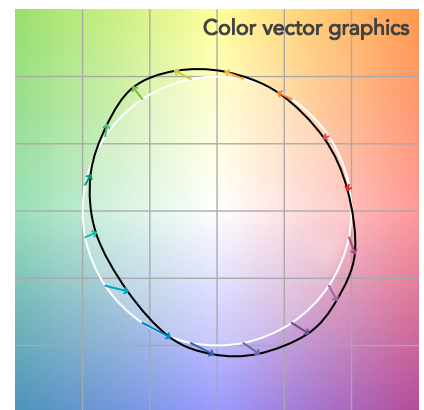
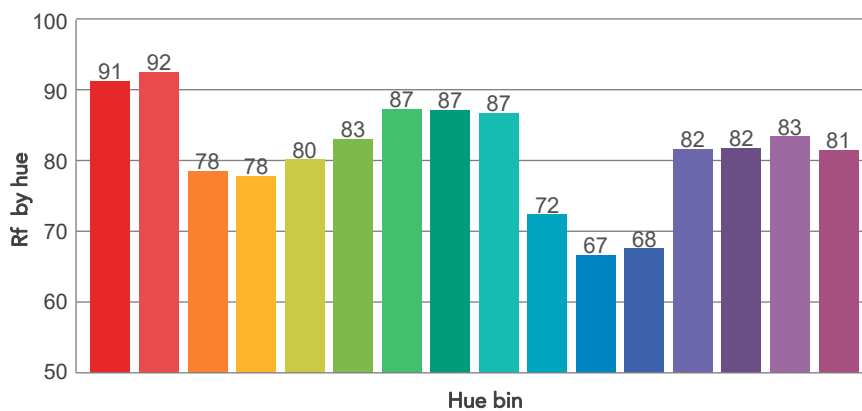
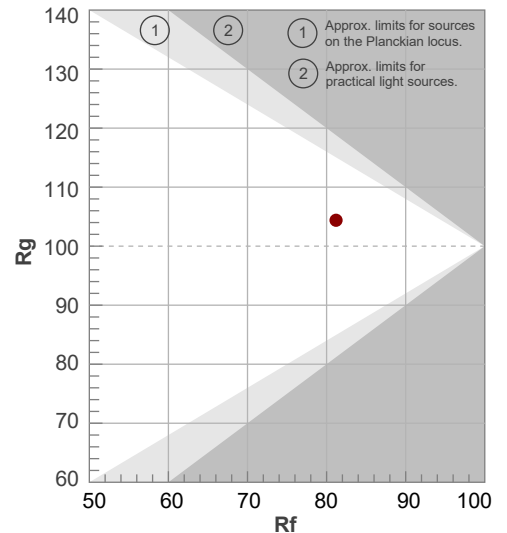
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4010 K	82,5	94,9	81,2	104,4	82,5	70	0,382	0,383	0,0023

TM30 DETAILS

Rf 81,2
Fidelity index Rf

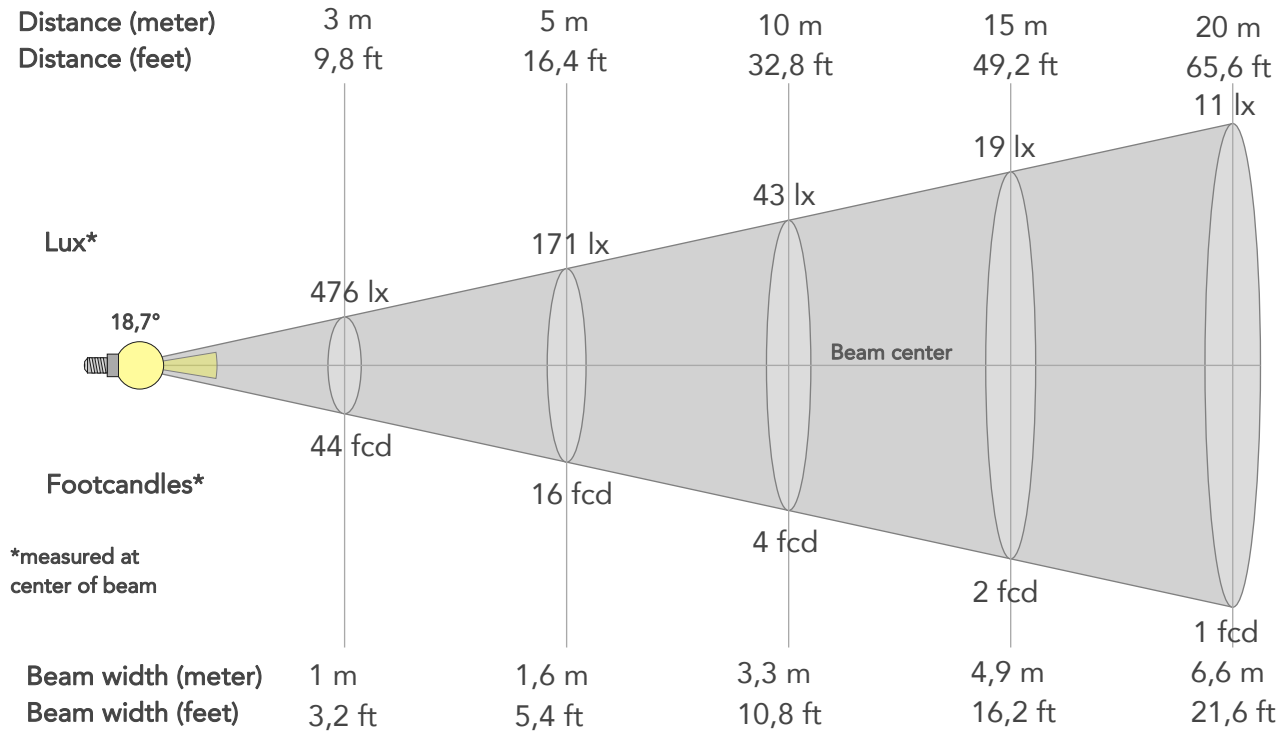
Rg 104,4
Gammut index

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	4%	-8%
8	87	-3%	-8%
9	87	-8%	-2%
10	72	-12%	13%
11	67	-2%	23%
12	68	5%	18%
13	82	10%	10%
14	82	13%	6%
15	83	11%	-6%
16	81	7%	-11%



BEAM DETAILS

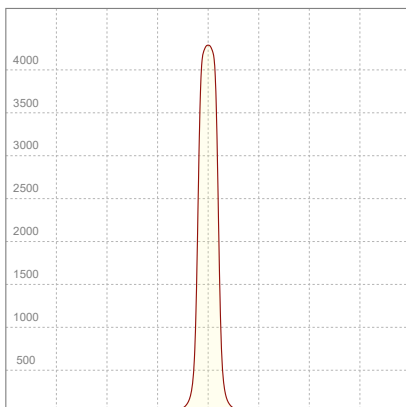
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,7°	26,5°	37,6°	98,9%	97,9%



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	4287lx	1072lx	476lx	268lx	171lx	76lx	43lx	19lx	11lx	7lx	5lx	3lx	2lx
Footcand.	398fcd	100fcd	44fcd	25fcd	16fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,6m	2,5m	3,3m	4,9m	6,6m	8,2m	9,9m	13,2m	16,4m
Beam wid.	1,1ft	2,2ft	3,2ft	4,3ft	5,4ft	8,1ft	10,8ft	16,2ft	21,6ft	27ft	32,4ft	43,1ft	53,9ft

LINEAR DISTRIBUTION DIAGRAM

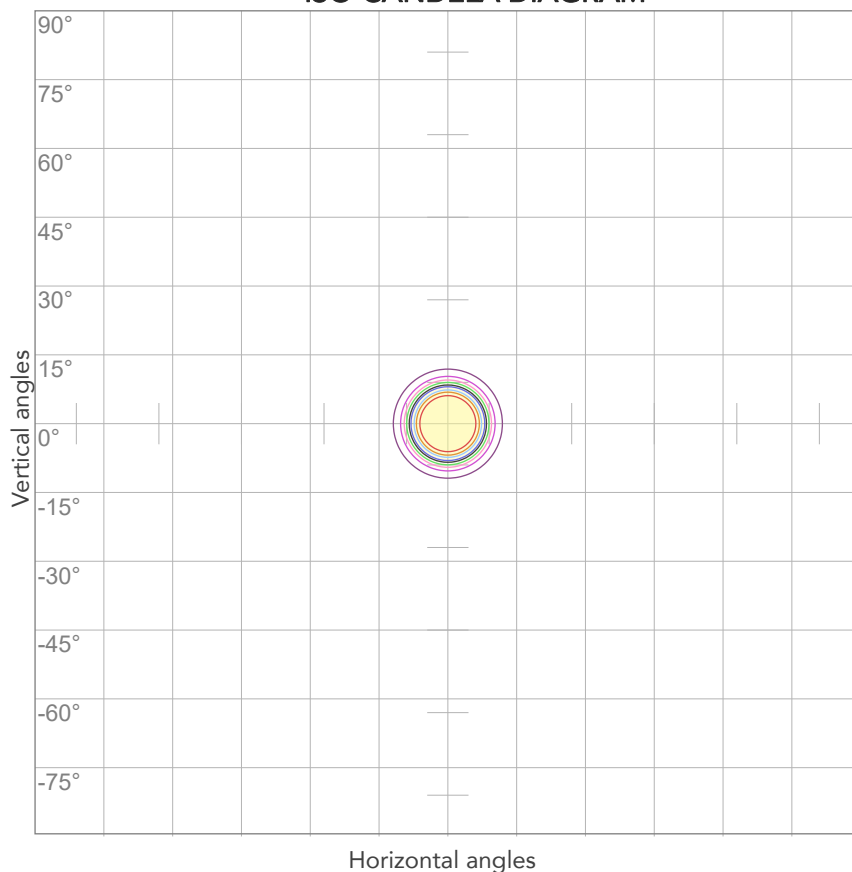


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,135A	25,9W	0,84	18lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



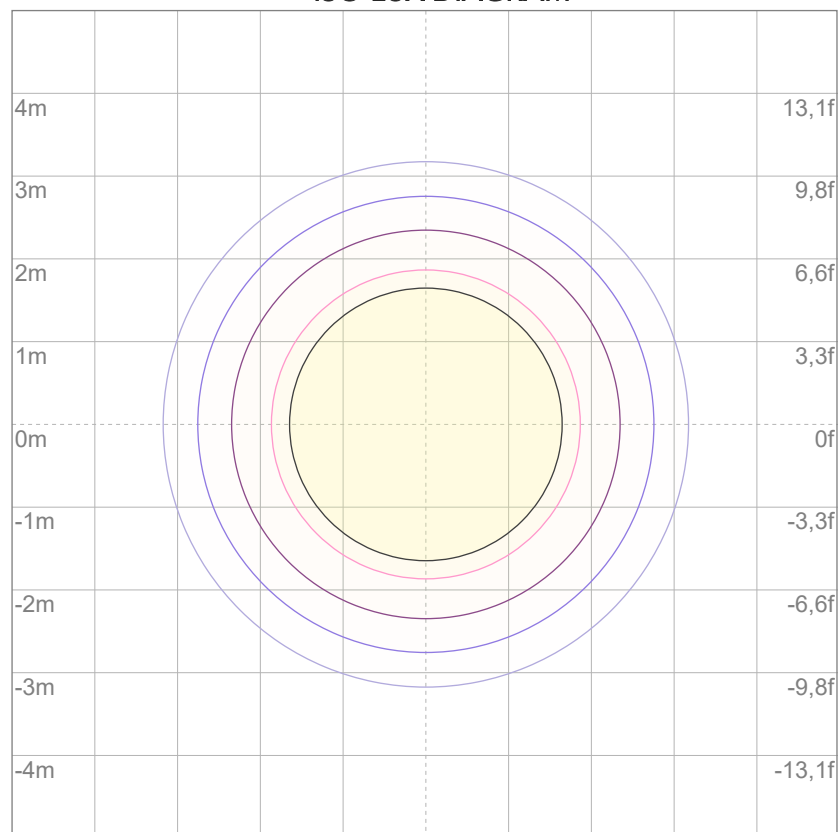
10%	429 cd
20%	857 cd
30%	1286 cd
40%	1715 cd
50%	2144 cd
60%	2572 cd
70%	3001 cd
80%	3430 cd

Conditions:

Number of c-planes: 2

Candela at center: 4287 cd

ISO LUX DIAGRAM



3%	1,29 lx
5%	2,14 lx
10%	4,29 lx
30%	12,9 lx
50%	21,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 42,9 lx

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



Total lumen output:

562 lm

Peak candela output:

2146 cd

Light quality:

CRI: 82,7

Color temperature:

5644 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 15-30 Lens - Max Zoom

Target:

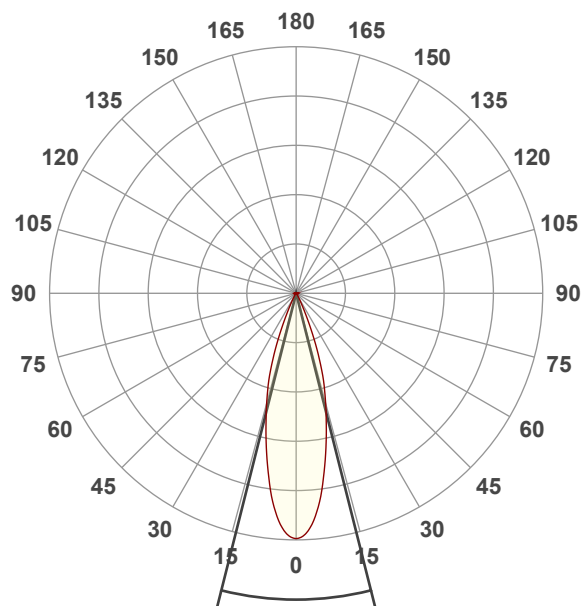
5600K

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 12:12:05

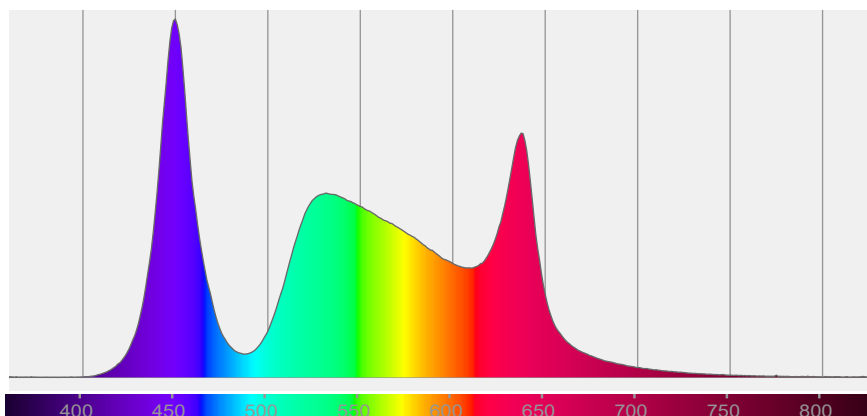


Beam angle 50%: 28,3°

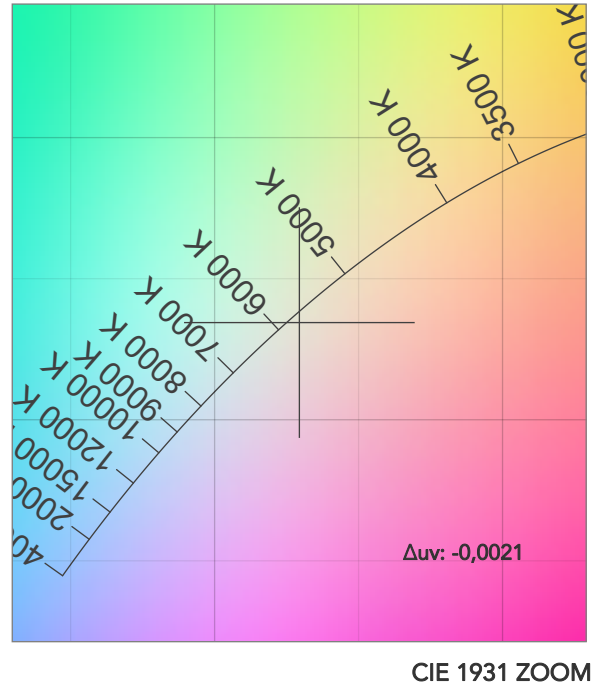
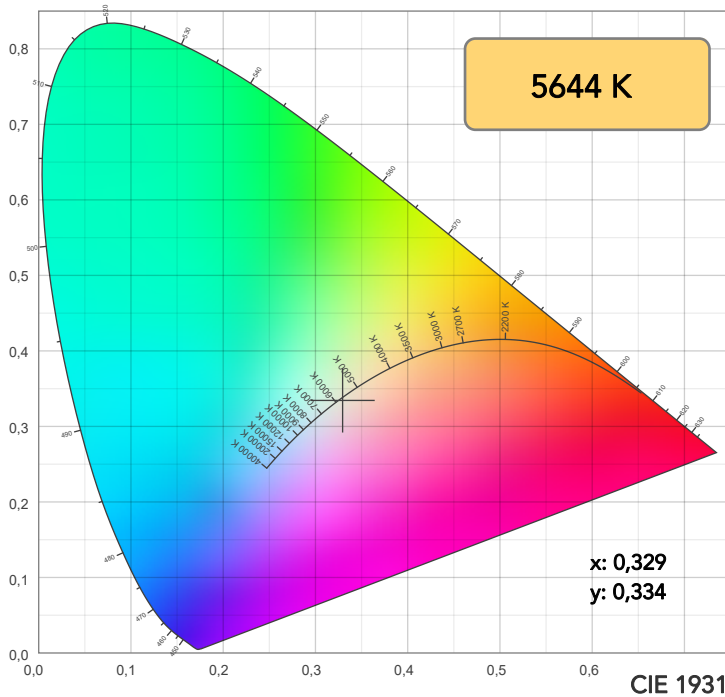
Field angle 10%: 48,4°

Cut off angle 2.5%: 59,1°

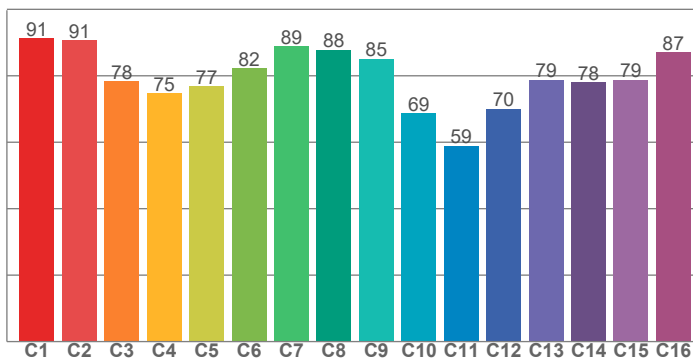
Spectra



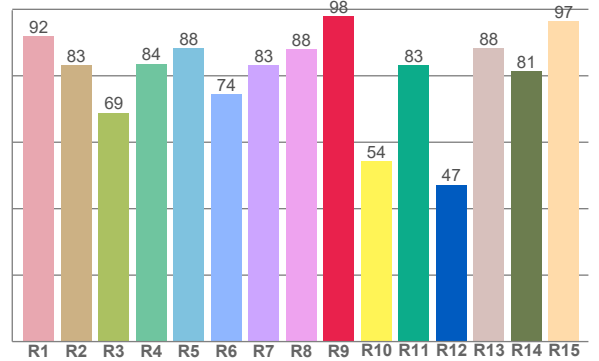
COLOR DETAILS



TM30: 79,4



CRI: 82,7 (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
91,9	83,1	68,9	83,6	88,3	74,4	83,1	88,0	97,9	54,4	83,3	47,2	88,4	81,3	96,5

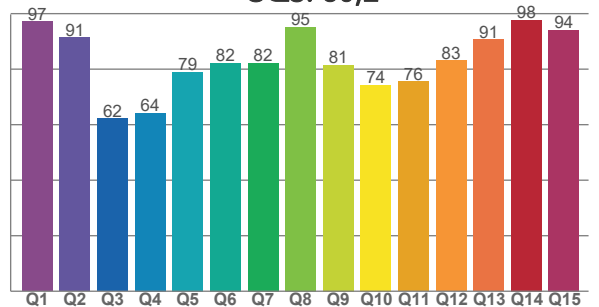
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91,3	90,6	78,4	74,7	76,8	82,2	88,8	87,8	85,1	68,7	58,9	70,1	78,8	78,1	78,8	87,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,1	91,4	62,2	64,2	79,0	82,2	82,2	95,1	81,4	74,3	75,6	83,2	90,7	97,7	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
5644 K	82,7	97,9	79,4	105,1	80,2	73	0,329	0,334	-0,0021

TM30 DETAILS

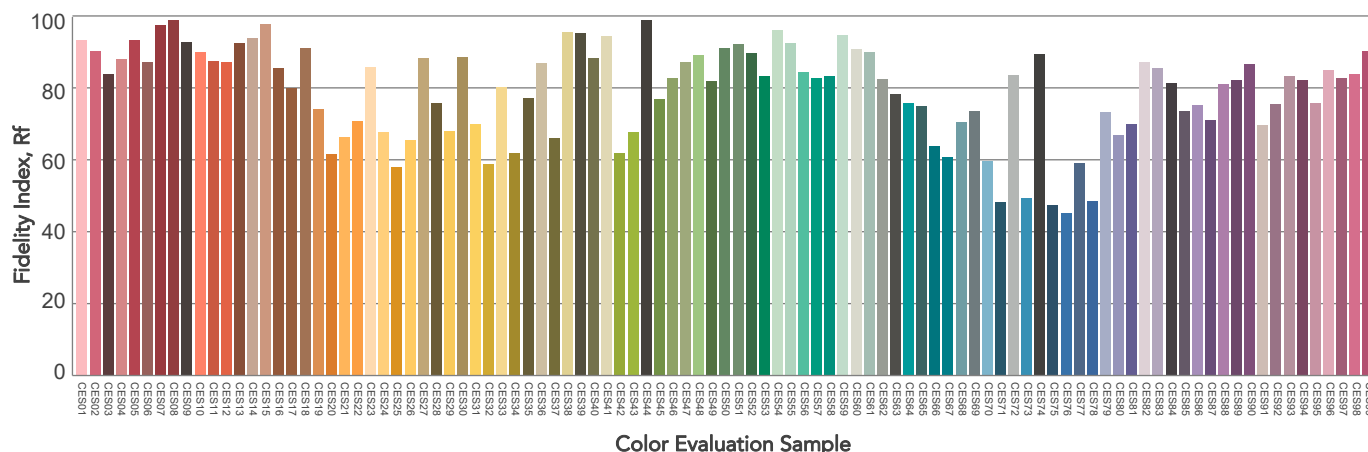
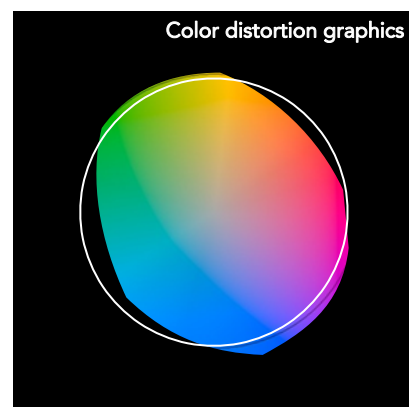
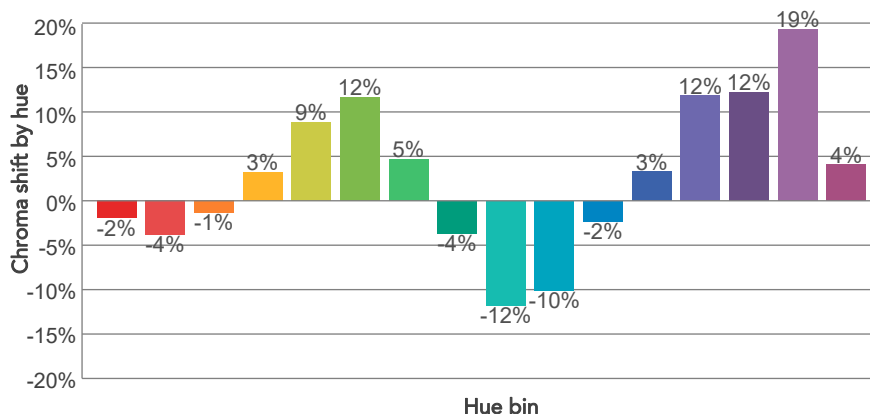
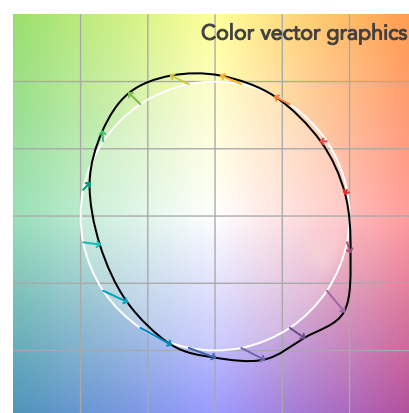
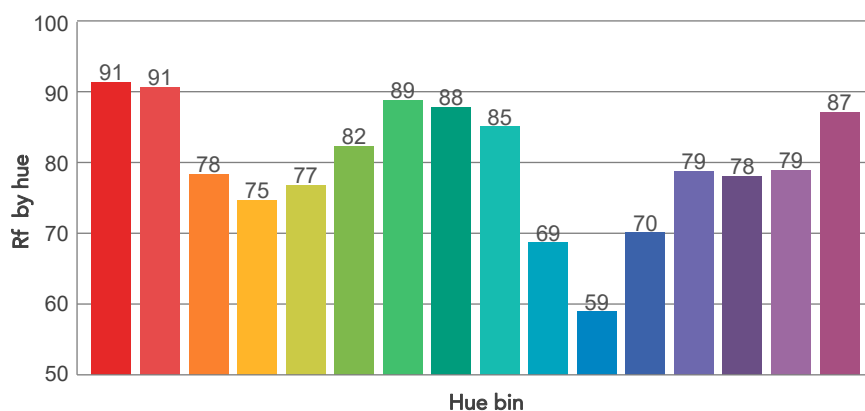
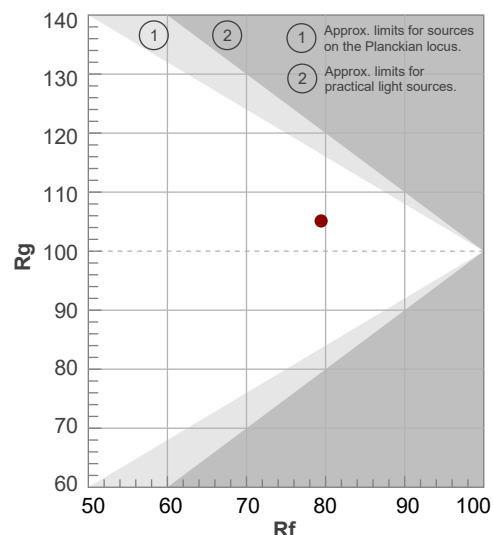
Rf 79,4

Fidelity index Rf

Rg 105,1

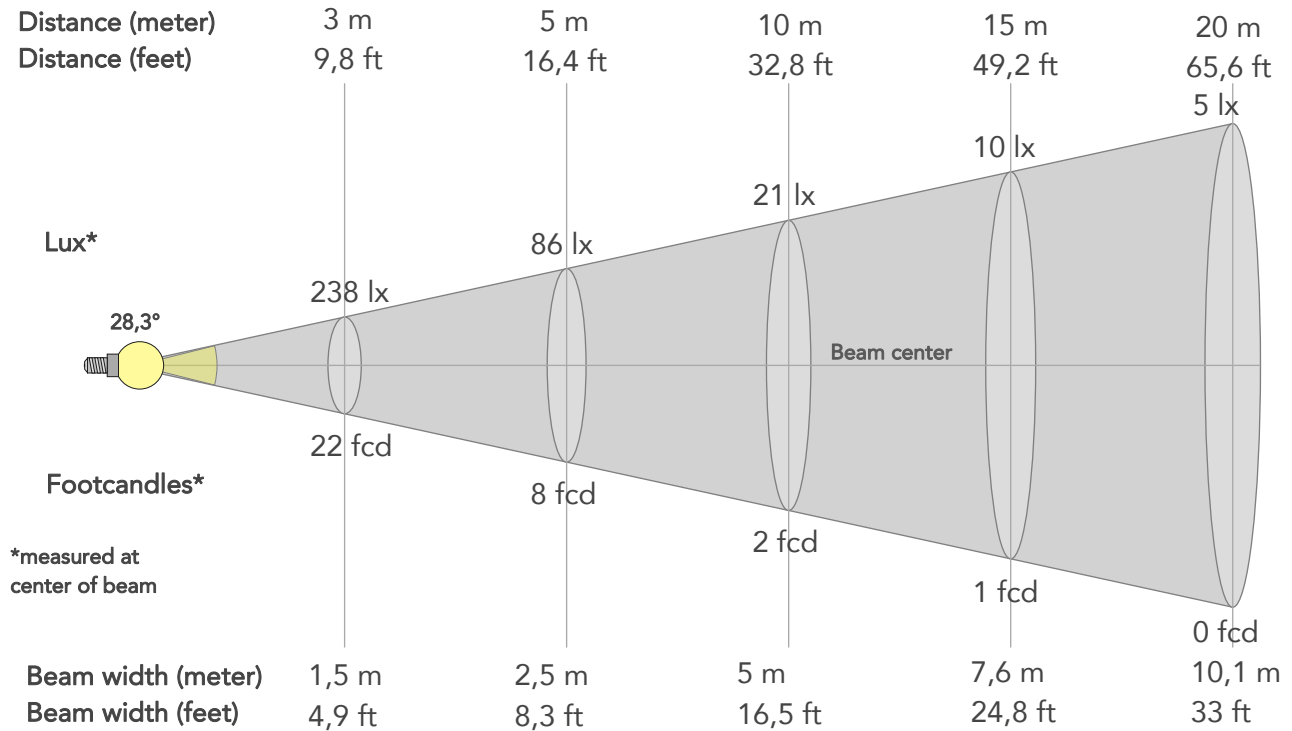
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-2%	-3%
2	91	-4%	2%
3	78	-1%	12%
4	75	3%	16%
5	77	9%	12%
6	82	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

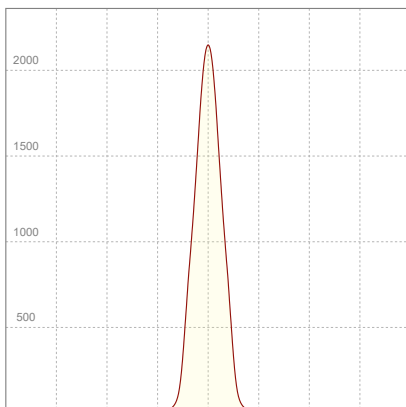
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
28,3°	48,4°	59,1°	99,3%	98,5%



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	2146lx	537lx	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.	0,5m	1m	1,5m	2m	2,5m	3,8m	5m	7,6m	10,1m	12,6m	15,1m	20,1m	25,2m
Beam wid.	1,7ft	3,3ft	4,9ft	6,6ft	8,3ft	12,4ft	16,5ft	24,8ft	33ft	41,3ft	49,6ft	66,1ft	82,6ft

LINEAR DISTRIBUTION DIAGRAM

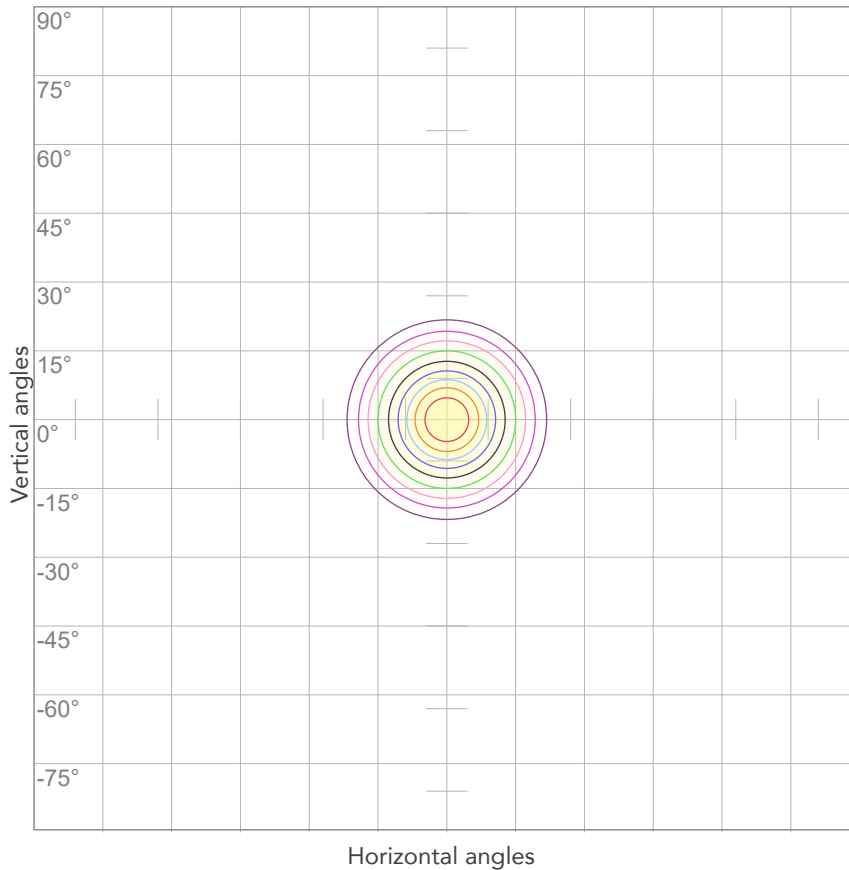


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
229V	0,145A	28,5W	0,86	20lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



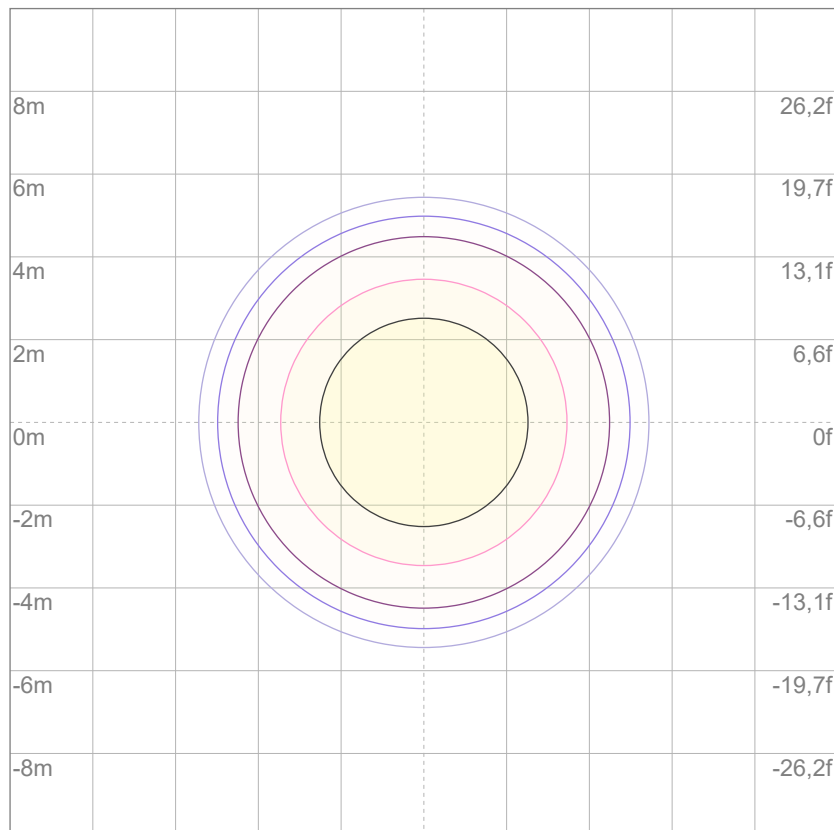
10%	215 cd
20%	429 cd
30%	644 cd
40%	859 cd
50%	1073 cd
60%	1288 cd
70%	1503 cd
80%	1717 cd

Conditions:

Number of c-planes: 2

Candela at center: 2146 cd

ISO LUX DIAGRAM



3%	0,644 lx
5%	1,07 lx
10%	2,15 lx
30%	6,44 lx
50%	10,7 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.



Total lumen output:

497 lm

Peak candela output:

4571 cd

Light quality:

CRI: 82,8

Color temperature:

5622 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 15-30 Lens - Min Zoom

Target:

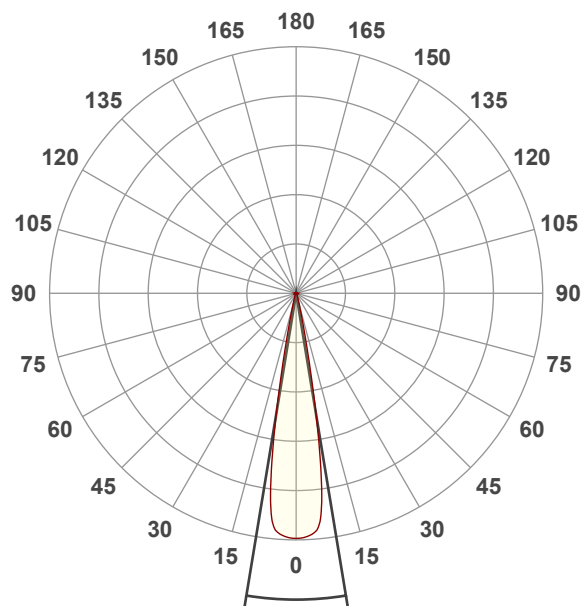
5600K

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 12:33:37

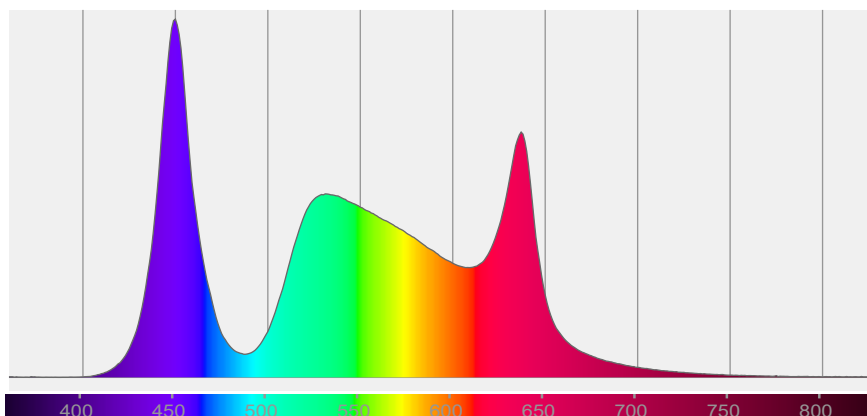


Beam angle 50%: 18,7°

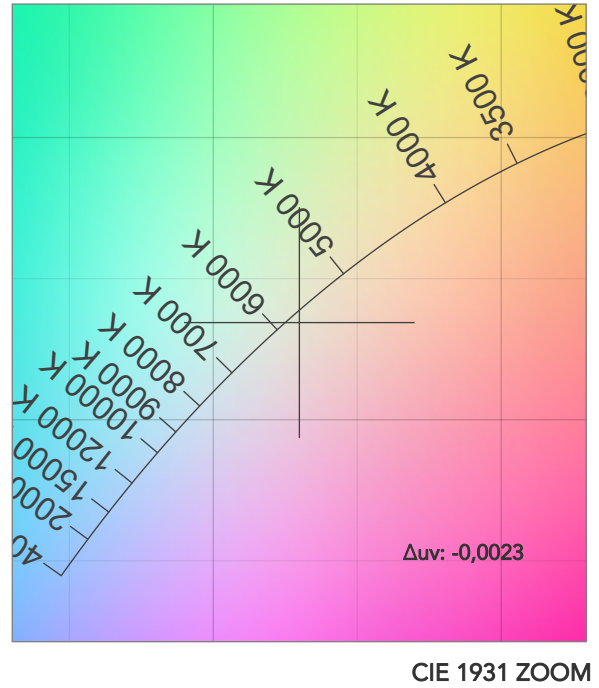
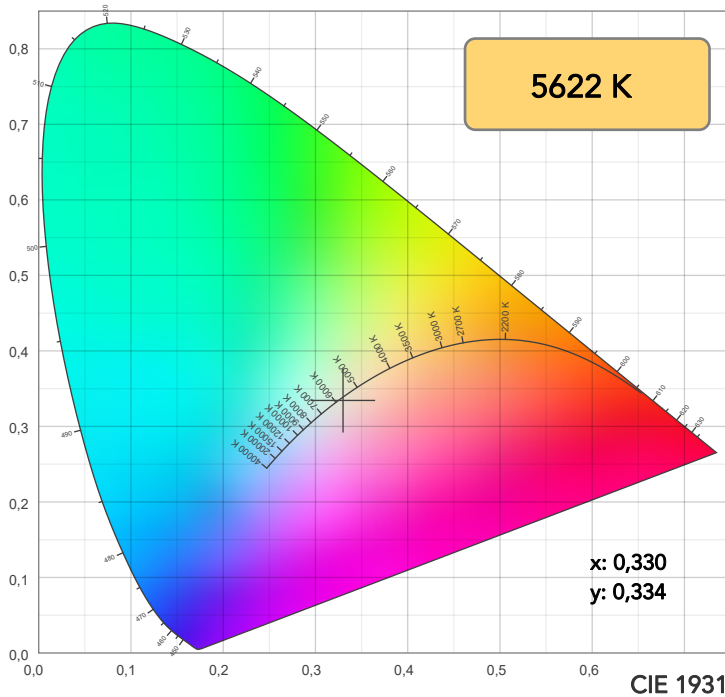
Field angle 10%: 26,5°

Cut off angle 2.5%: 37,7°

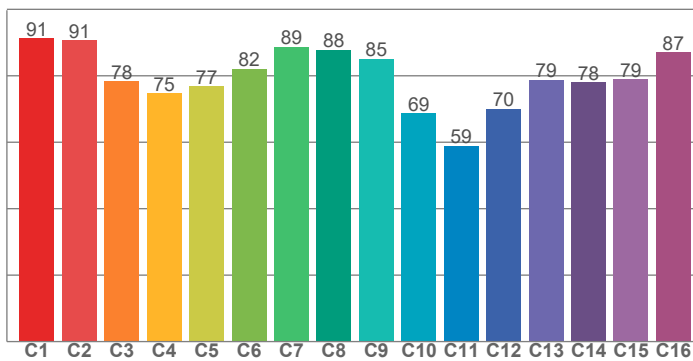
Spectra



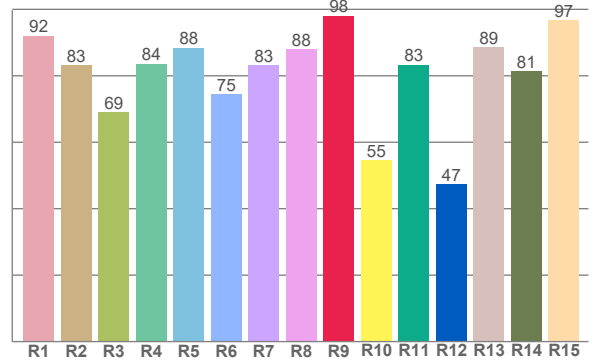
COLOR DETAILS



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	83,3	68,9	83,7	88,4	74,5	83,1	88,0	98,1	54,7	83,3	47,5	88,6	81,3	96,7

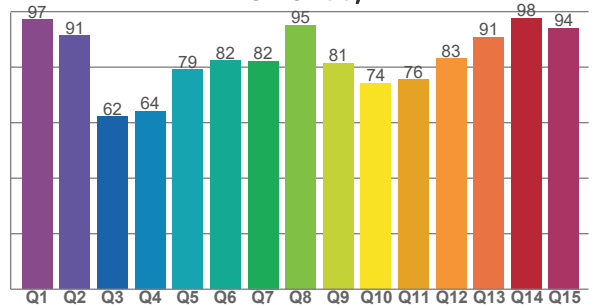
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91,3	90,6	78,3	74,7	76,8	82,2	88,7	87,9	85,1	68,8	59,0	70,1	78,8	78,0	78,9	87,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,1	91,4	62,2	64,3	79,1	82,3	82,2	95,2	81,4	74,3	75,6	83,2	90,8	97,7	94,2

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
5622 K	82,8	98,1	79,4	105,2	80,2	73	0,330	0,334	-0,0023

TM30 DETAILS

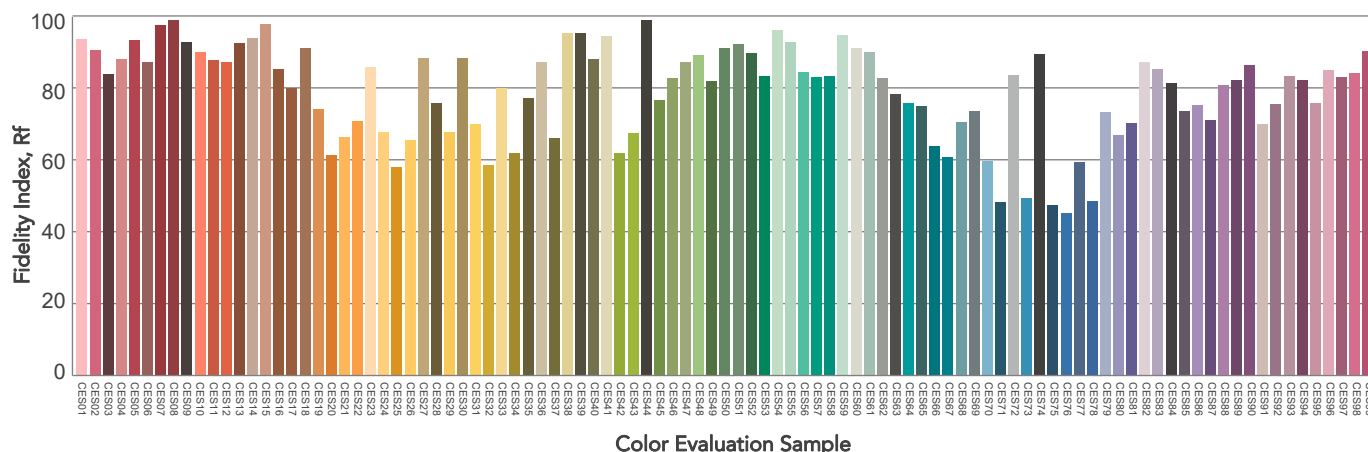
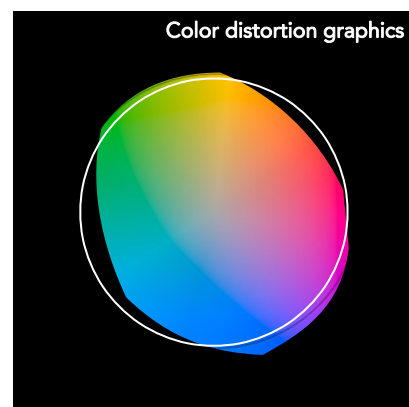
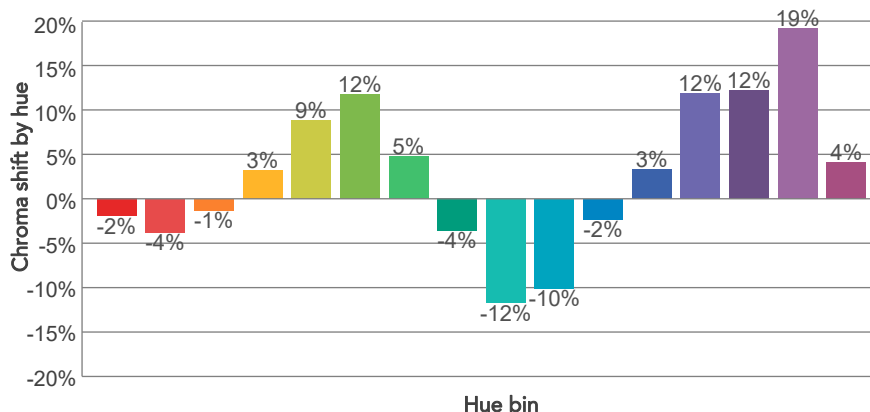
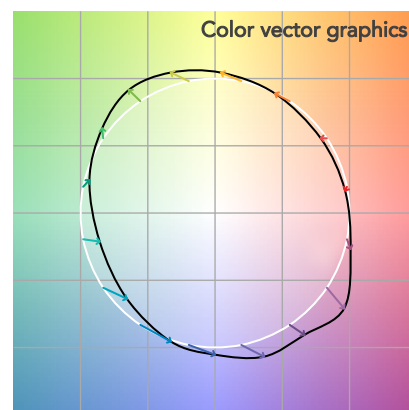
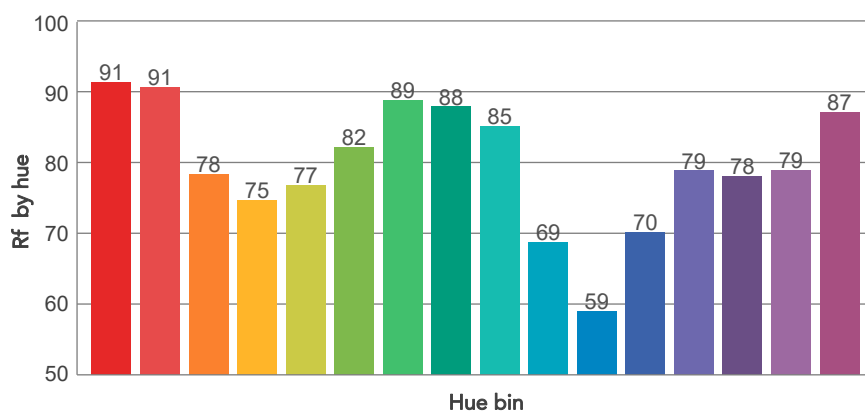
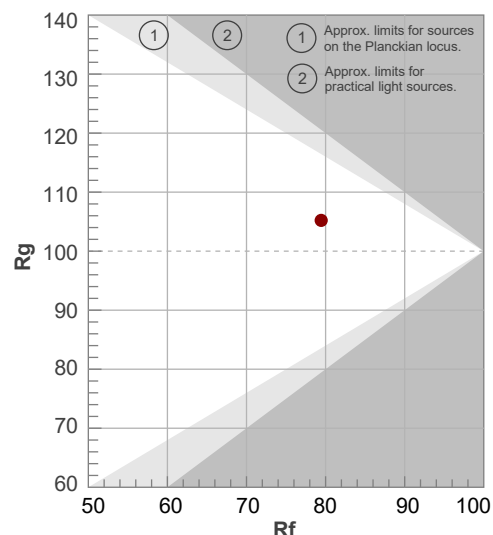
Rf 79,4

Fidelity index Rf

Rg 105,2

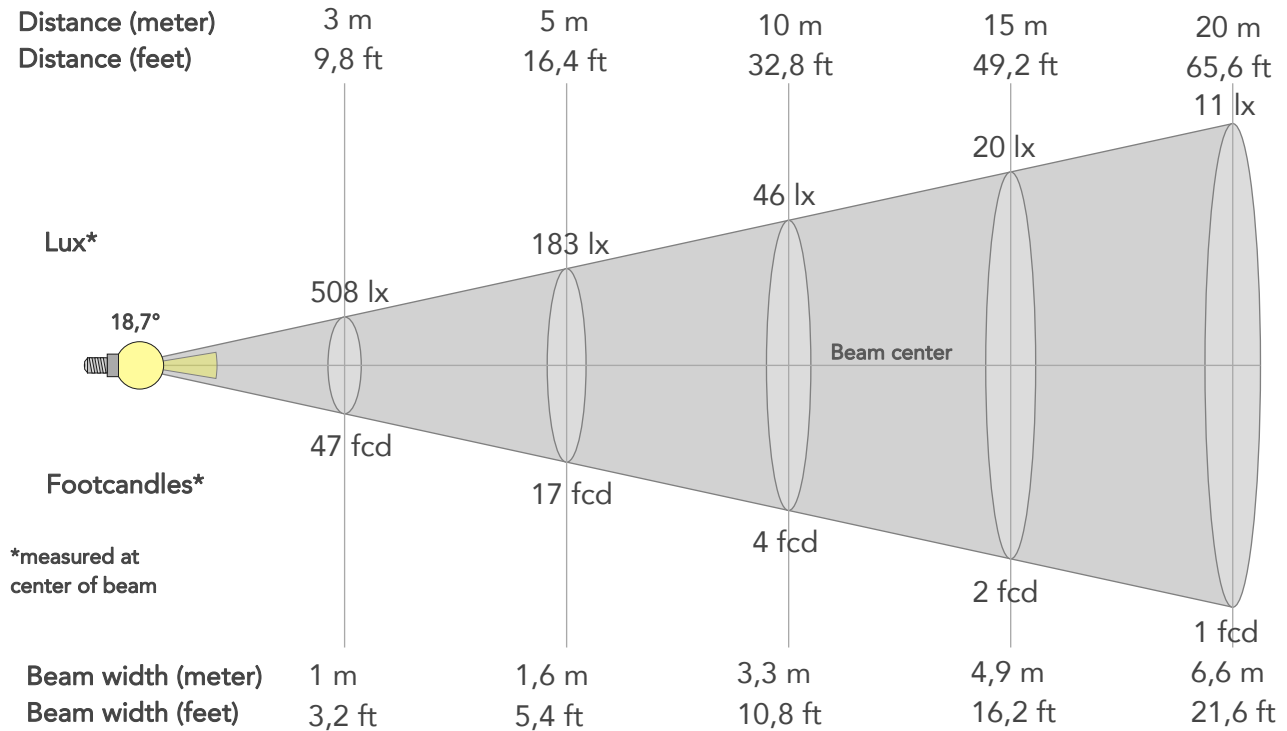
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-2%	-3%
2	91	-4%	3%
3	78	-1%	12%
4	75	3%	16%
5	77	9%	12%
6	82	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

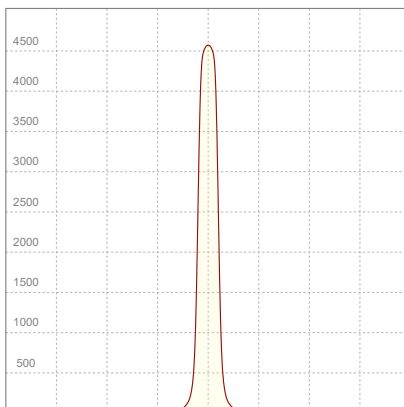
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,7°	26,5°	37,7°	98,9%	97,9%



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	4571lx	1143lx	508lx	286lx	183lx	81lx	46lx	20lx	11lx	7lx	5lx	3lx	2lx
Footcand.	425fcd	106fcd	47fcd	27fcd	17fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,6m	2,5m	3,3m	4,9m	6,6m	8,2m	9,9m	13,2m	16,5m
Beam wid.	1,1ft	2,2ft	3,2ft	4,3ft	5,4ft	8,1ft	10,8ft	16,2ft	21,6ft	27ft	32,4ft	43,2ft	54ft

LINEAR DISTRIBUTION DIAGRAM

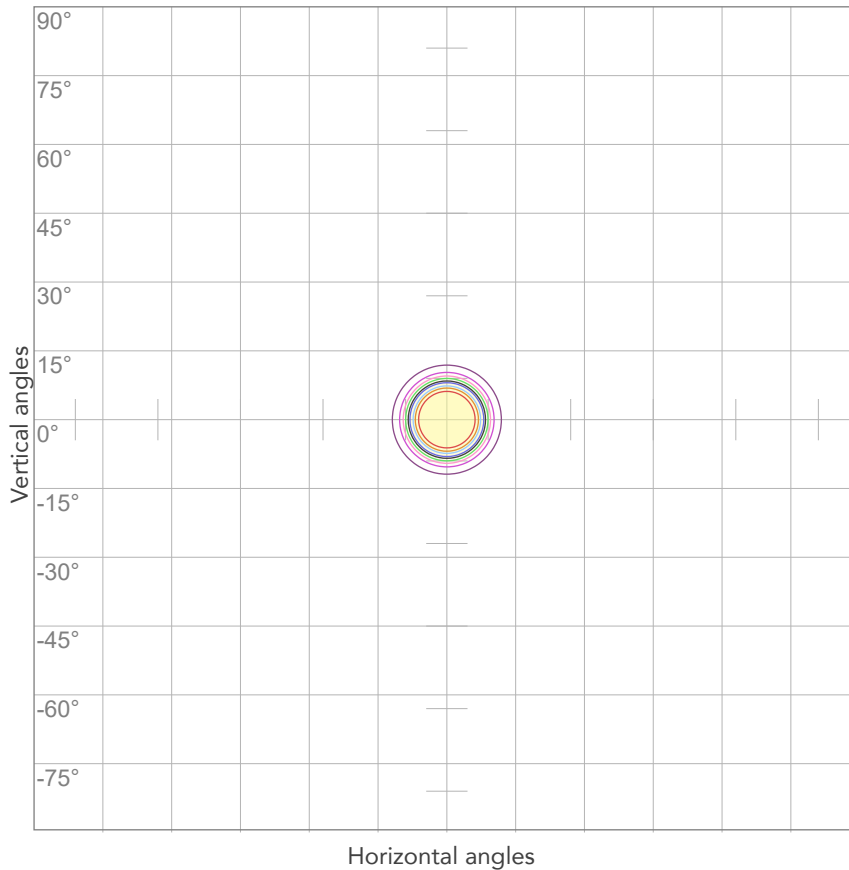


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,146A	28,6W	0,86	17lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



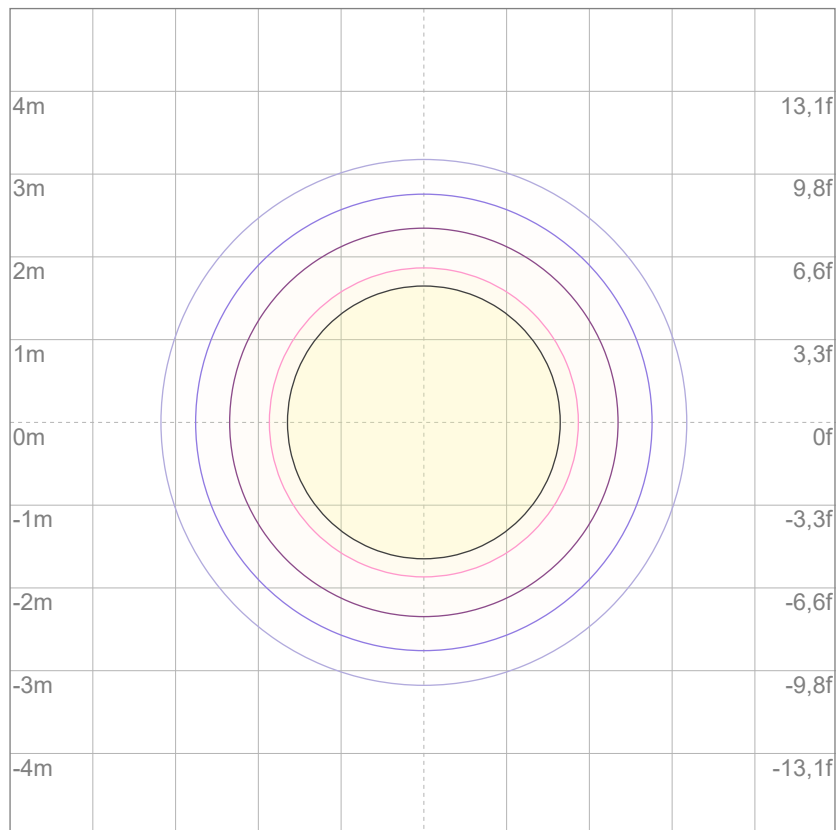
10%	457 cd
20%	914 cd
30%	1371 cd
40%	1828 cd
50%	2285 cd
60%	2743 cd
70%	3200 cd
80%	3657 cd

Conditions:

Number of c-planes: 2

Candela at center: 4571 cd

ISO LUX DIAGRAM



3%	1,37 lx
5%	2,29 lx
10%	4,57 lx
30%	13,7 lx
50%	22,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 45,7 lx

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



Total lumen output:

566 lm

Peak candela output:

2157 cd

Light quality:

CRI: 82,7

Color temperature:

6014 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 15-30 Lens - Max Zoom

Target:

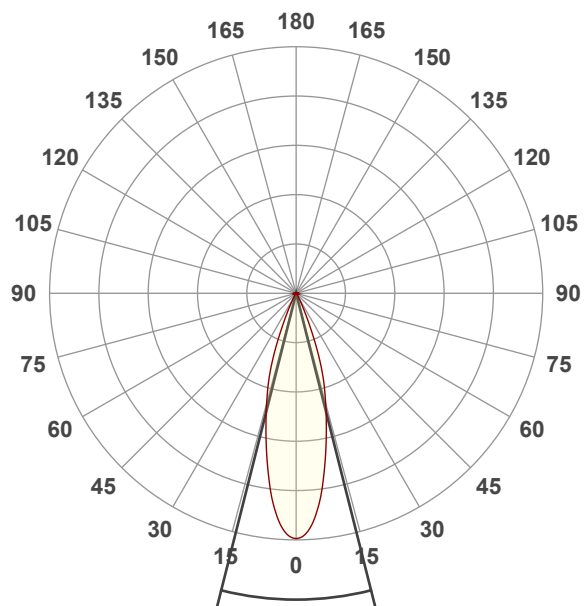
6000K

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 12:14:51

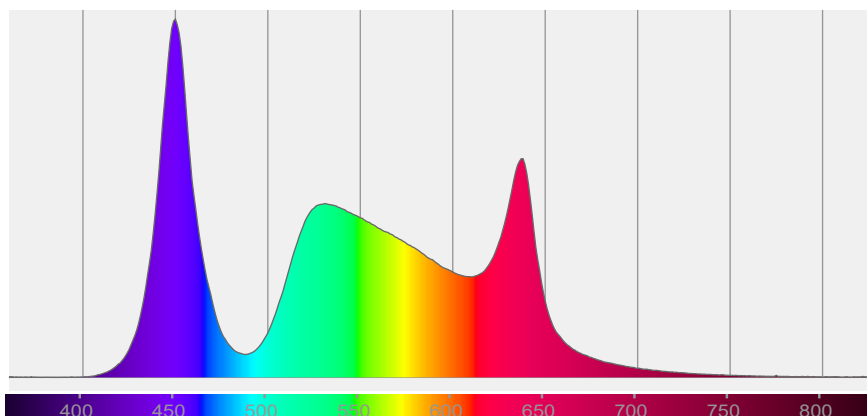


Beam angle 50%: 28,3°

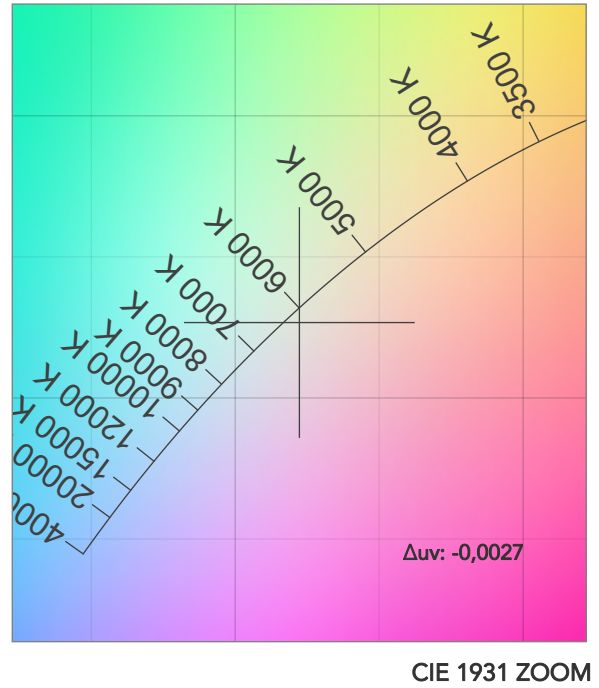
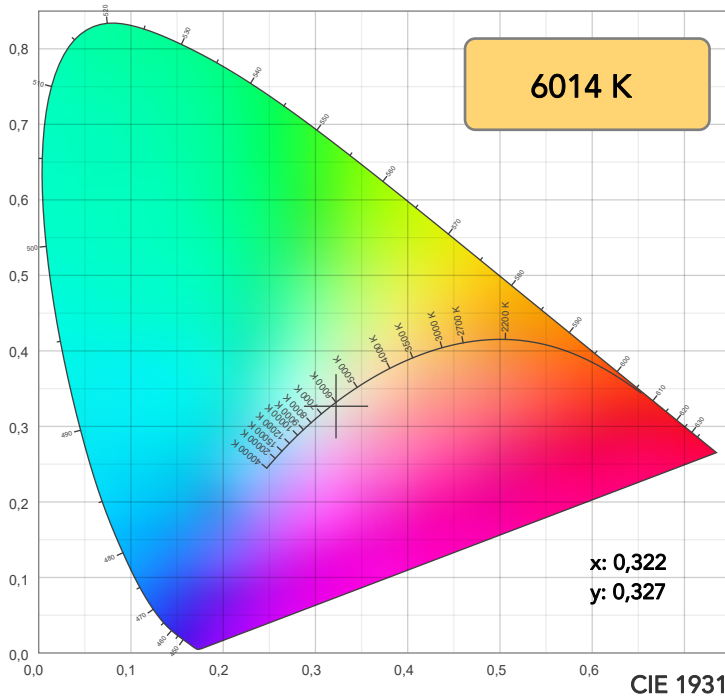
Field angle 10%: 48,3°

Cut off angle 2.5%: 59,1°

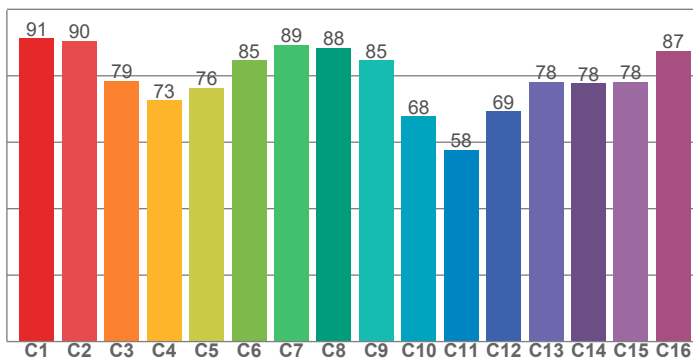
Spectra



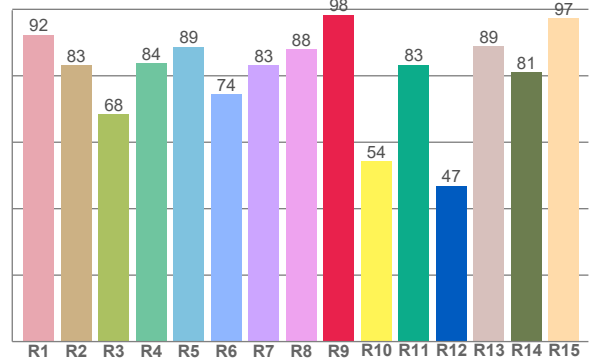
COLOR DETAILS



TM30: 79,3



CRI: 82,7 (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
92,3	83,2	68,4	83,7	88,8	74,4	83,2	87,9	98,4	54,2	83,4	46,9	88,8	81,0	97,3

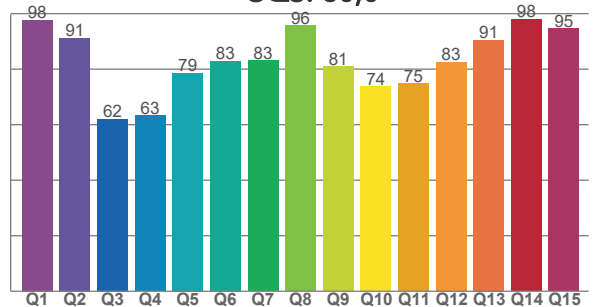
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91,3	90,5	78,5	72,7	76,4	84,6	89,4	88,4	84,7	67,8	57,8	69,3	78,1	77,8	78,1	87,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,7	91,3	62,1	63,2	78,7	83,0	83,2	95,7	80,9	73,8	74,9	82,6	90,5	98,0	94,7

CQS: 80,0



COLOR PARAMETERS

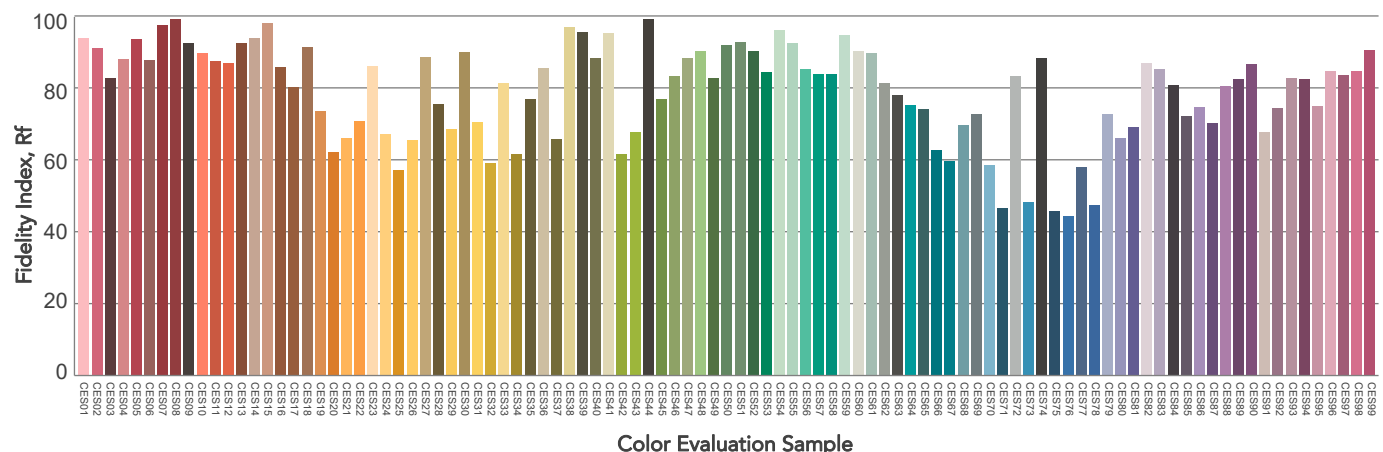
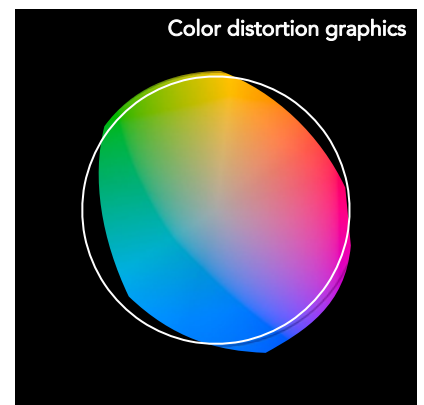
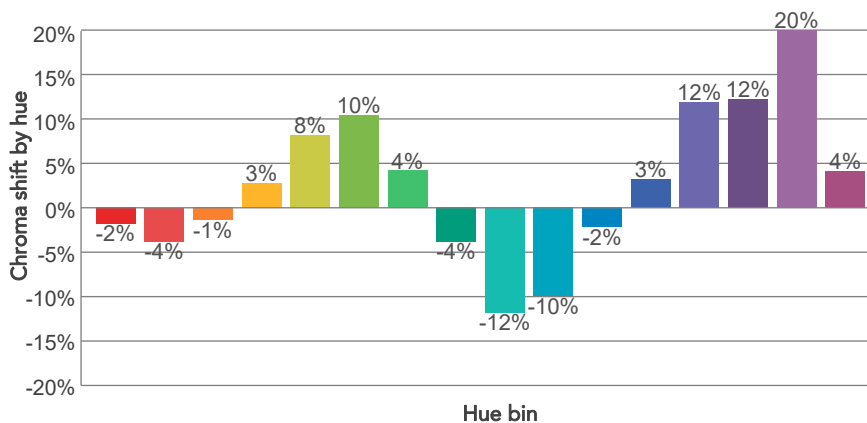
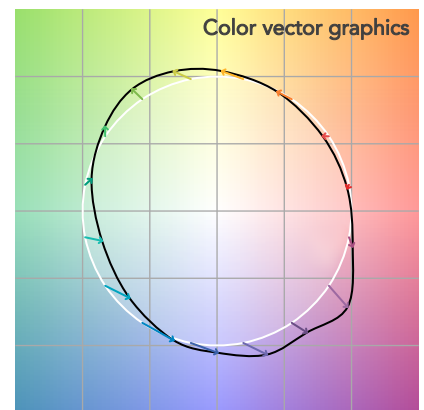
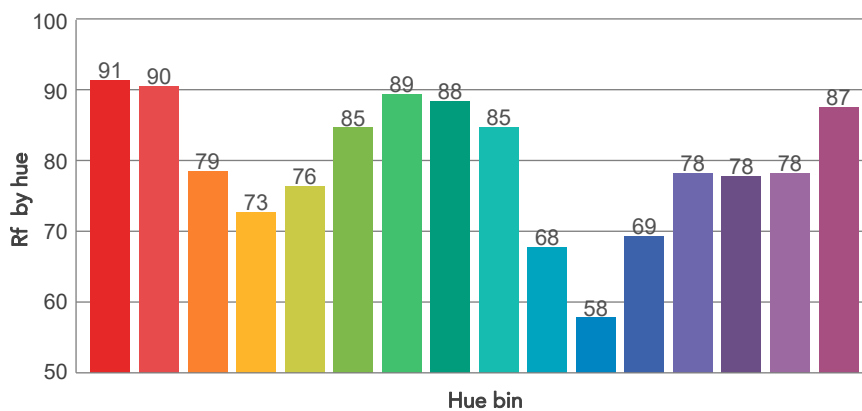
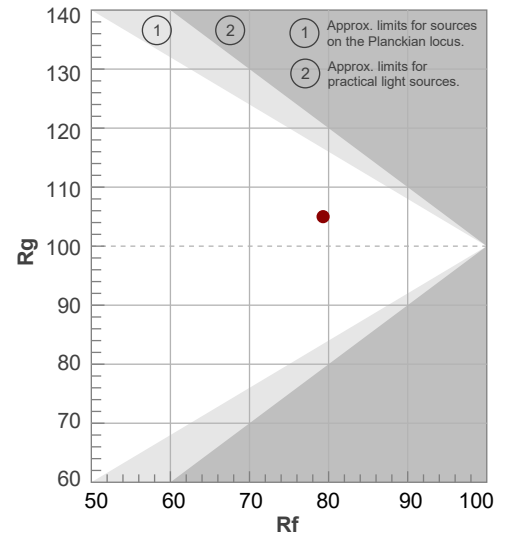
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6014 K	82,7	98,4	79,3	105,0	80,0	74	0,322	0,327	-0,0027

TM30 DETAILS

Rf 79,3
Fidelity index Rf

Rg 105,0
Gammut index

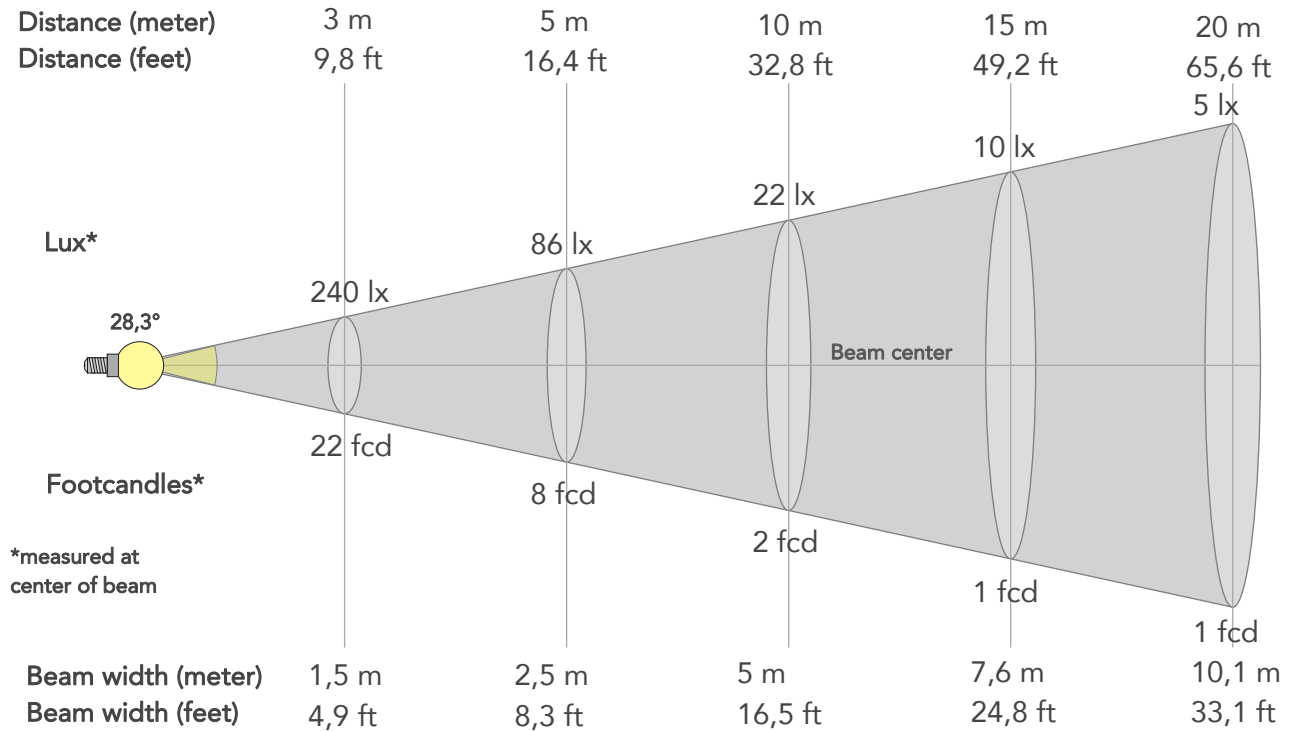
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-2%	-2%
2	90	-4%	3%
3	79	-1%	12%
4	73	3%	17%
5	76	8%	11%
6	85	10%	2%
7	89	4%	-6%
8	88	-4%	-5%
9	85	-12%	5%
10	68	-10%	17%
11	58	-2%	27%
12	69	3%	21%
13	78	12%	16%
14	78	12%	5%
15	78	20%	-5%
16	87	4%	-6%



BEAM DETAILS



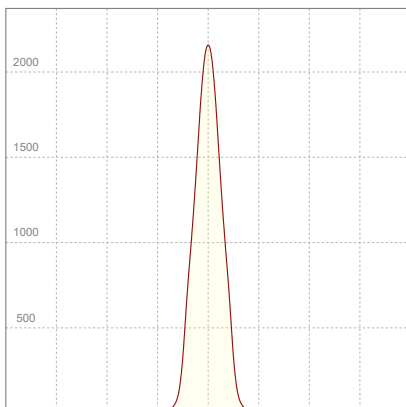
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
28,3°	48,3°	59,1°	99,3%	98,4%



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	2157lx	539lx	240lx	135lx	86lx	38lx	22lx	10lx	5lx	3lx	2lx	1lx	1lx
Footcand.	200fcd	50fcd	22fcd	13fcd	8fcd	4fcd	2fcd	1fcd	1fcd	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

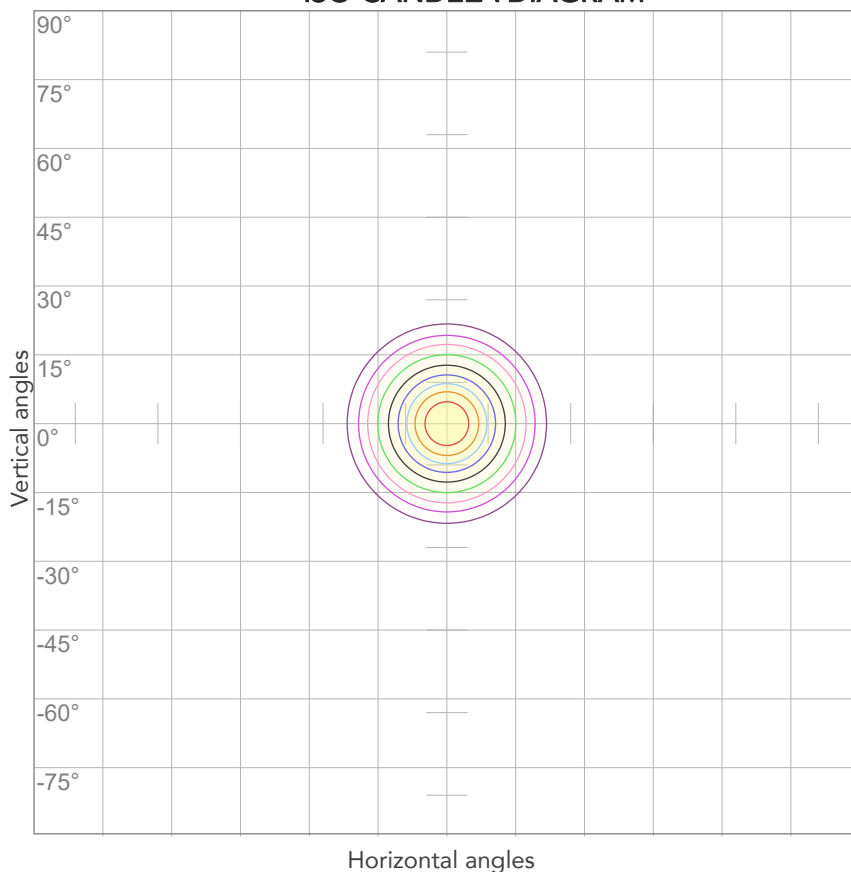


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,145A	29,0W	0,87	20lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



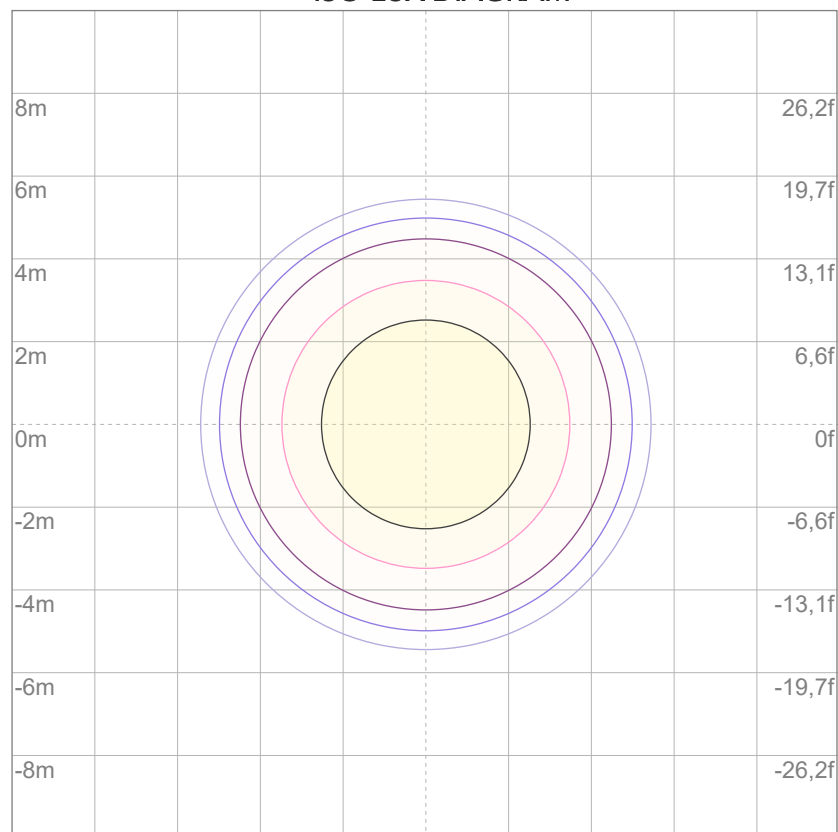
10%	216 cd
20%	431 cd
30%	647 cd
40%	863 cd
50%	1078 cd
60%	1294 cd
70%	1510 cd
80%	1725 cd

Conditions:

Number of c-planes: 2

Candela at center: 2157 cd

ISO LUX DIAGRAM



3%	0,647 lx
5%	1,08 lx
10%	2,16 lx
30%	6,47 lx
50%	10,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 21,6 lx

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



Total lumen output:

499 lm

Peak candela output:

4580 cd

Light quality:

CRI: 82,8

Color temperature:

6031 K

PRODUCT NAME:

ECLDISPLAYXB FC

MEASURAMENT CONDITIONS:

Beam angle:

Wash 15-30 Lens - Min Zoom

Target:

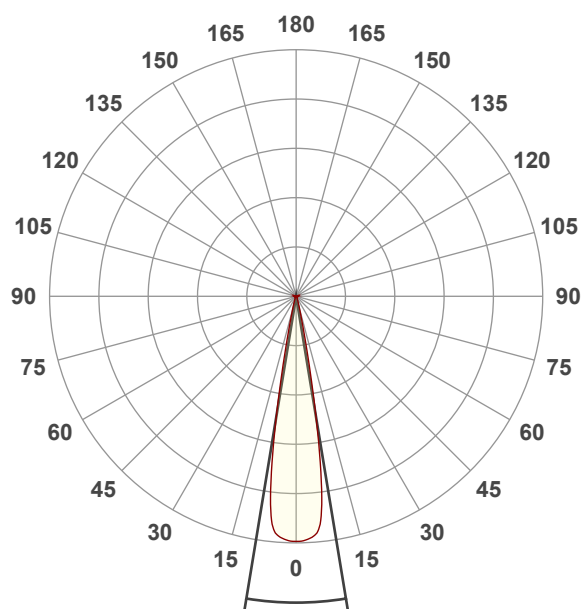
6000K

Operator:

Giuseppe della Peruta

Date and time:

24/07/2025 12:25:28

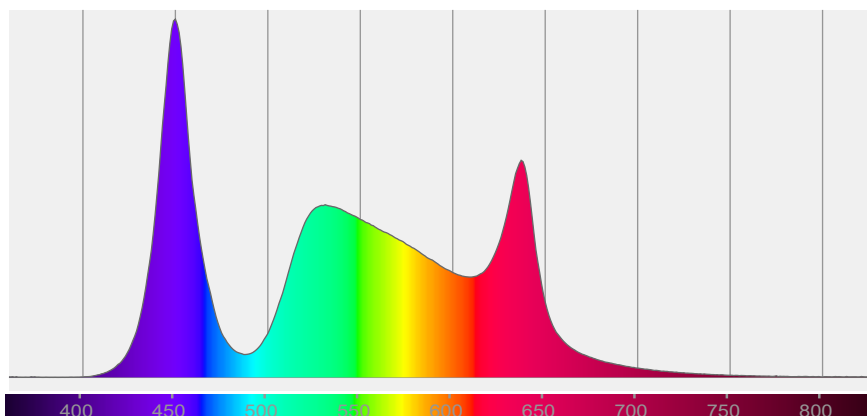


Beam angle 50%: 18,7°

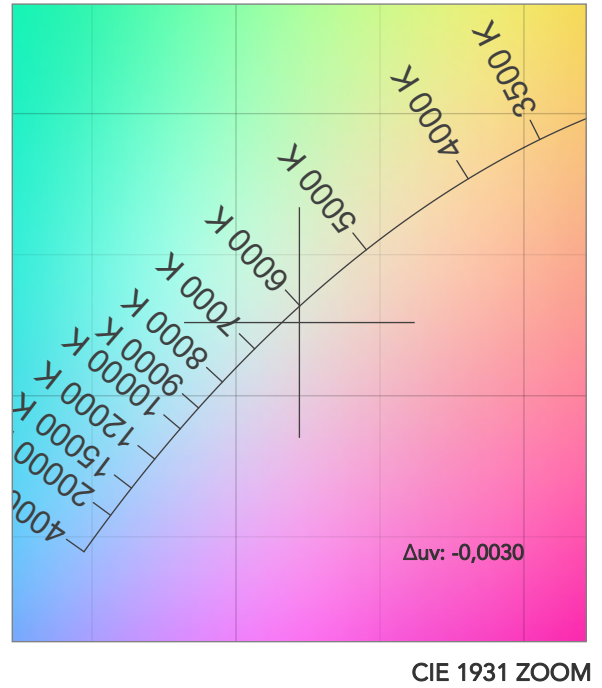
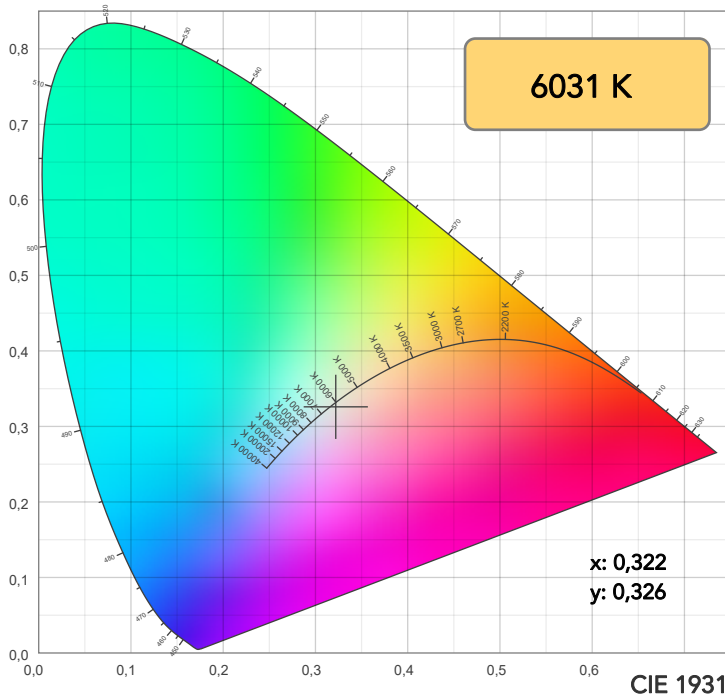
Field angle 10%: 26,5°

Cut off angle 2.5%: 37,6°

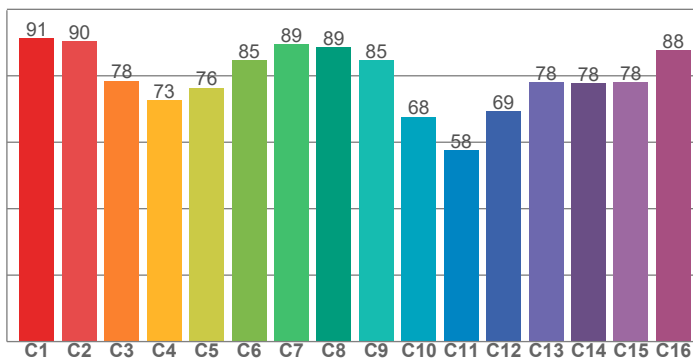
Spectra



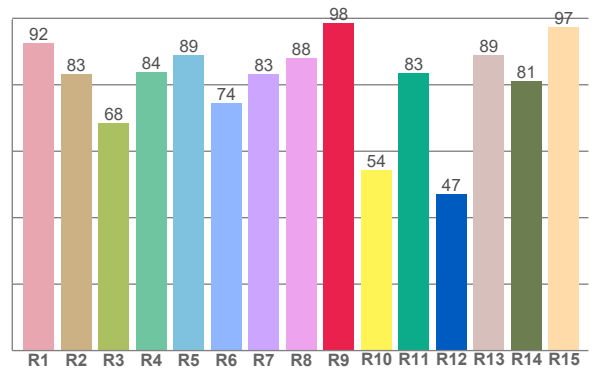
COLOR DETAILS



TM30: 79,3



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
92,5	83,3	68,4	83,8	88,9	74,4	83,3	88,0	98,5	54,4	83,4	47,0	89,0	81,0	97,4

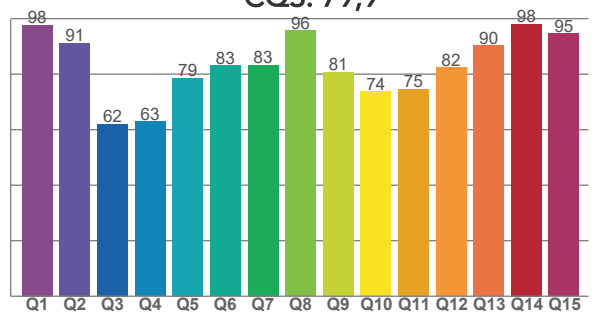
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,7	91,2	62,0	63,0	78,6	83,0	83,3	95,7	80,8	73,7	74,7	82,5	90,4	98,0	94,7

CQS: 79,9



COLOR PARAMETERS

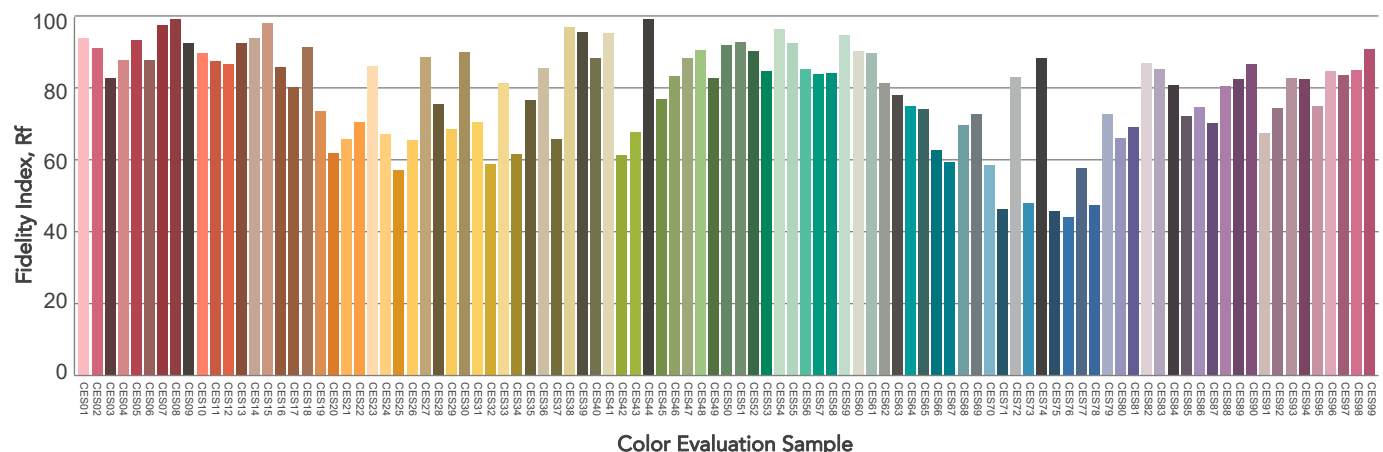
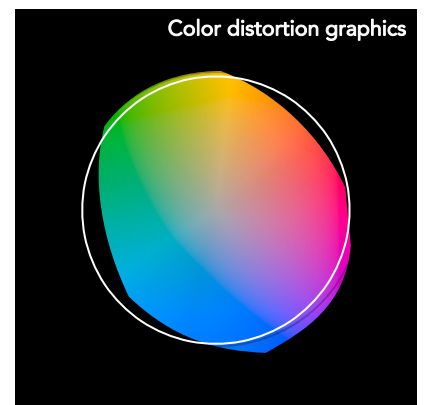
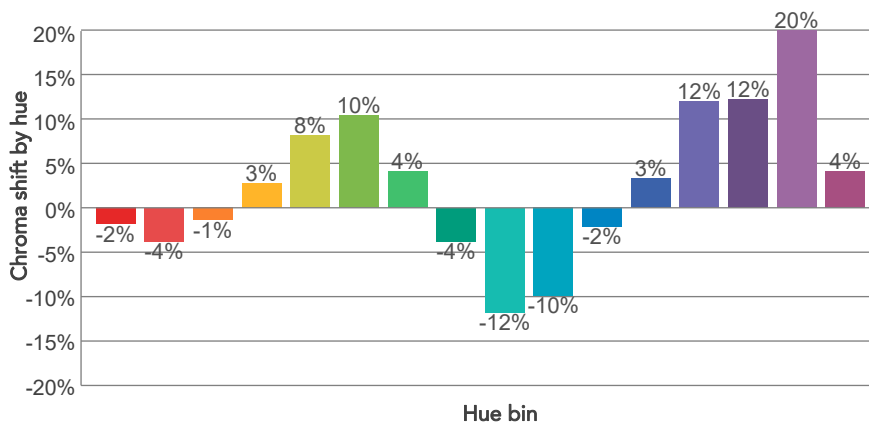
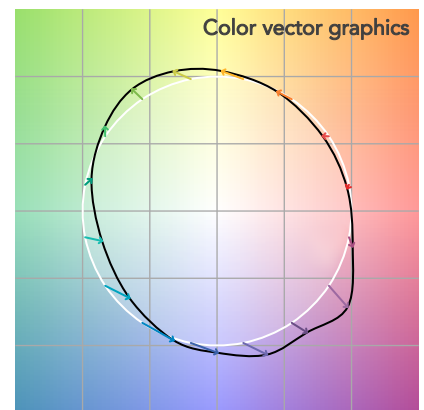
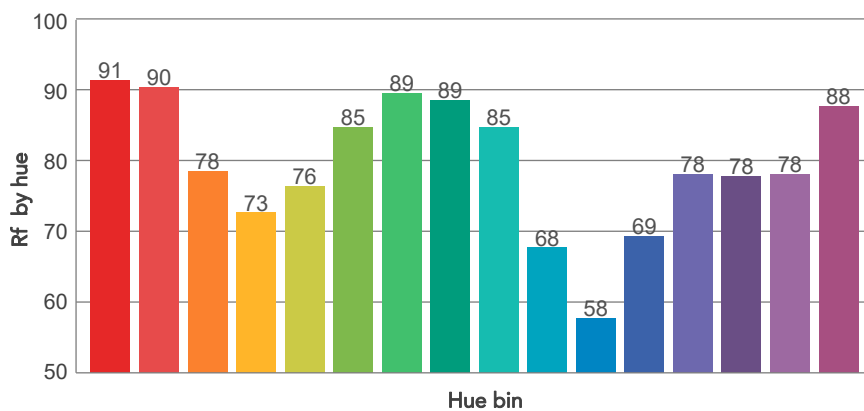
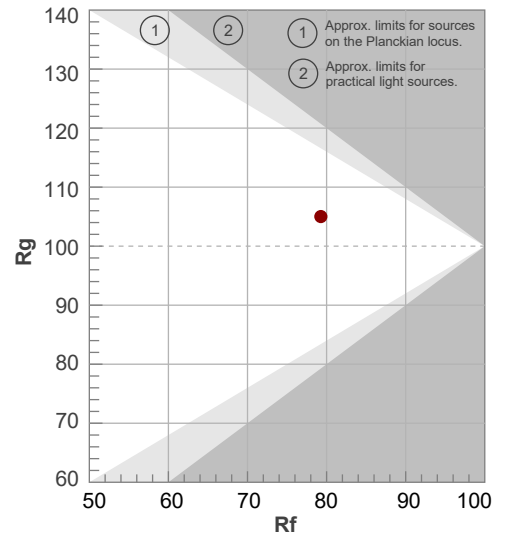
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6031 K	82,8	98,5	79,3	105,0	79,9	74	0,322	0,326	-0,0030

TM30 DETAILS

Rf 79,3
Fidelity index Rf

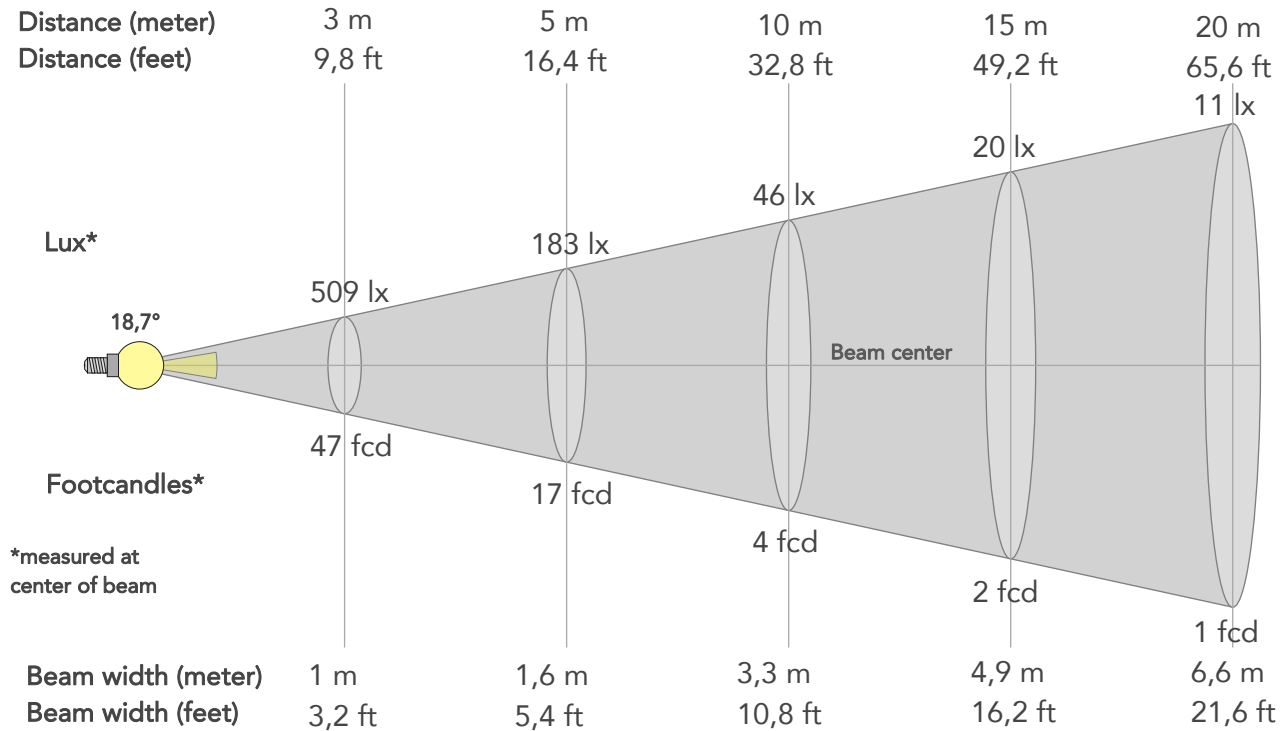
Rg 105,0
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-2%	-2%
2	90	-4%	3%
3	78	-1%	12%
4	73	3%	17%
5	76	8%	11%
6	85	10%	2%
7	89	4%	-6%
8	89	-4%	-5%
9	85	-12%	5%
10	68	-10%	18%
11	58	-2%	27%
12	69	3%	21%
13	78	12%	16%
14	78	12%	5%
15	78	20%	-5%
16	88	4%	-6%



BEAM DETAILS

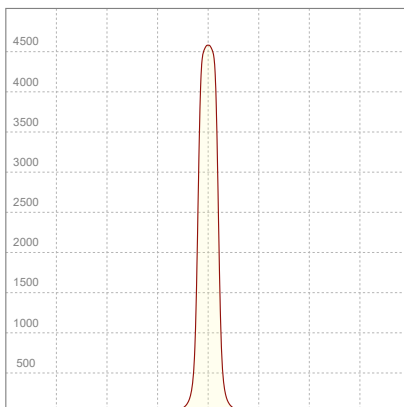
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,7°	26,5°	37,6°	98,9%	97,9%



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	4580lx	1145lx	509lx	286lx	183lx	81lx	46lx	20lx	11lx	7lx	5lx	3lx	2lx
Footcand.	425fcd	106fcd	47fcd	27fcd	17fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,6m	2,5m	3,3m	4,9m	6,6m	8,2m	9,9m	13,2m	16,5m
Beam wid.	1,1ft	2,2ft	3,2ft	4,3ft	5,4ft	8,1ft	10,8ft	16,2ft	21,6ft	27ft	32,4ft	43,2ft	54ft

LINEAR DISTRIBUTION DIAGRAM

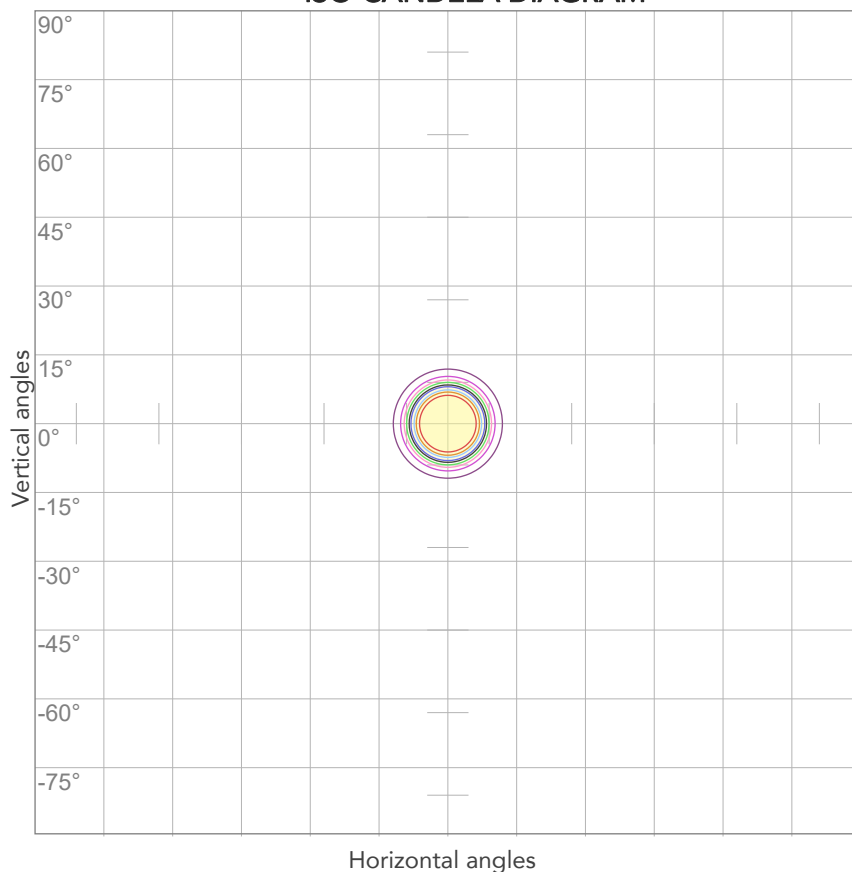


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,146A	29,0W	0,87	17lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



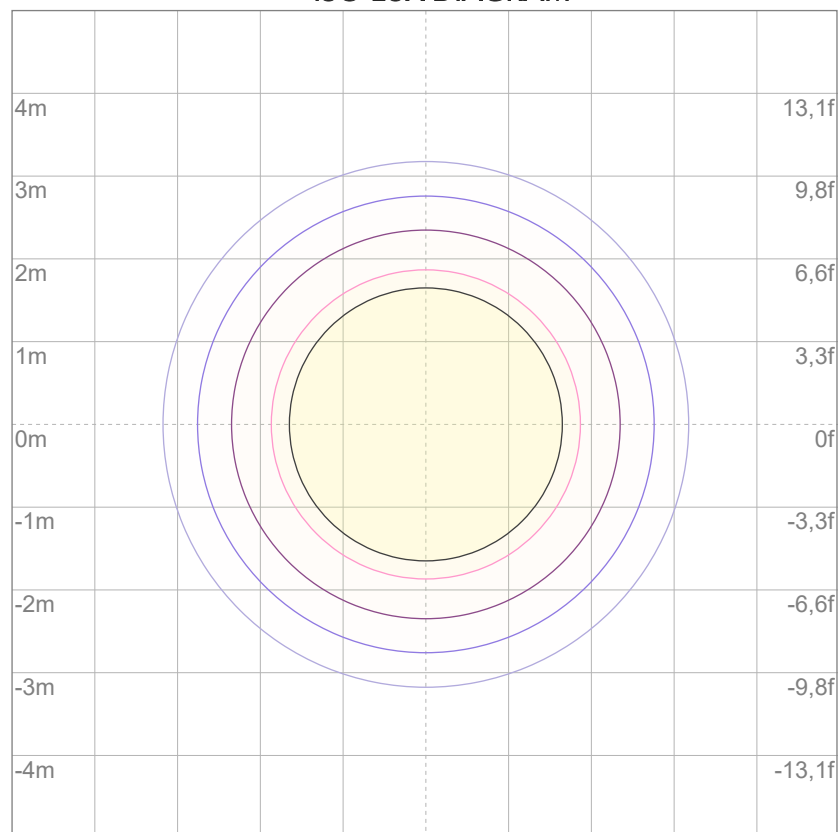
10%	458 cd
20%	916 cd
30%	1374 cd
40%	1832 cd
50%	2290 cd
60%	2748 cd
70%	3206 cd
80%	3664 cd

Conditions:

Number of c-planes: 2

Candela at center: 4580 cd

ISO LUX DIAGRAM



3%	1,37 lx
5%	2,29 lx
10%	4,58 lx
30%	13,7 lx
50%	22,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 45,8 lx

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