

Photometric Test Report



GALLERYECLFC

60 W RGBW / FC zoomable LED ellipsoidal
with framing shutter

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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:

635 lm

Peak candela output:

2454 cd

PRODUCT NAME:

Gallery Ecl FC

MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

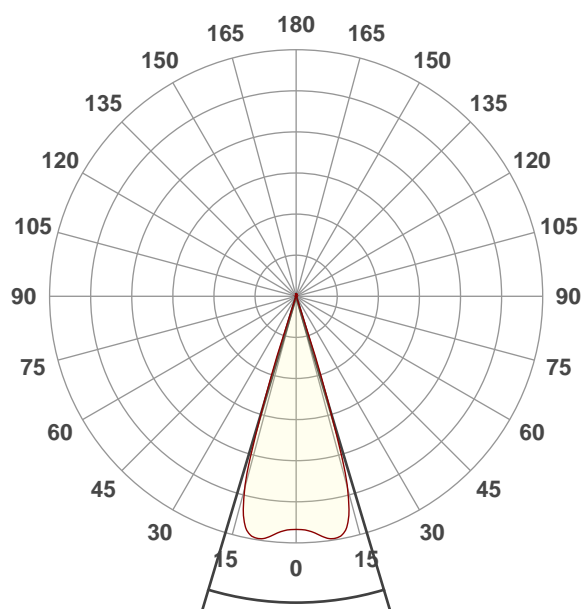
Full On

Operator:

Paolo Carvone

Date and time:

07/05/2020 10:21:13

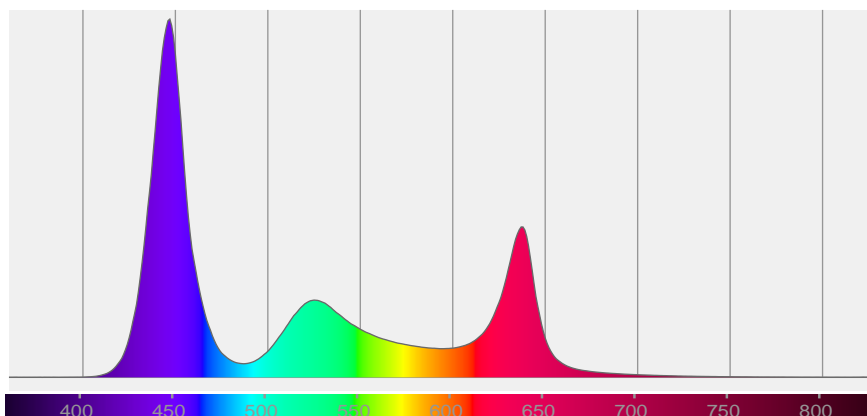


Beam angle 50%: 33,3°

Field angle 10%: 37,1°

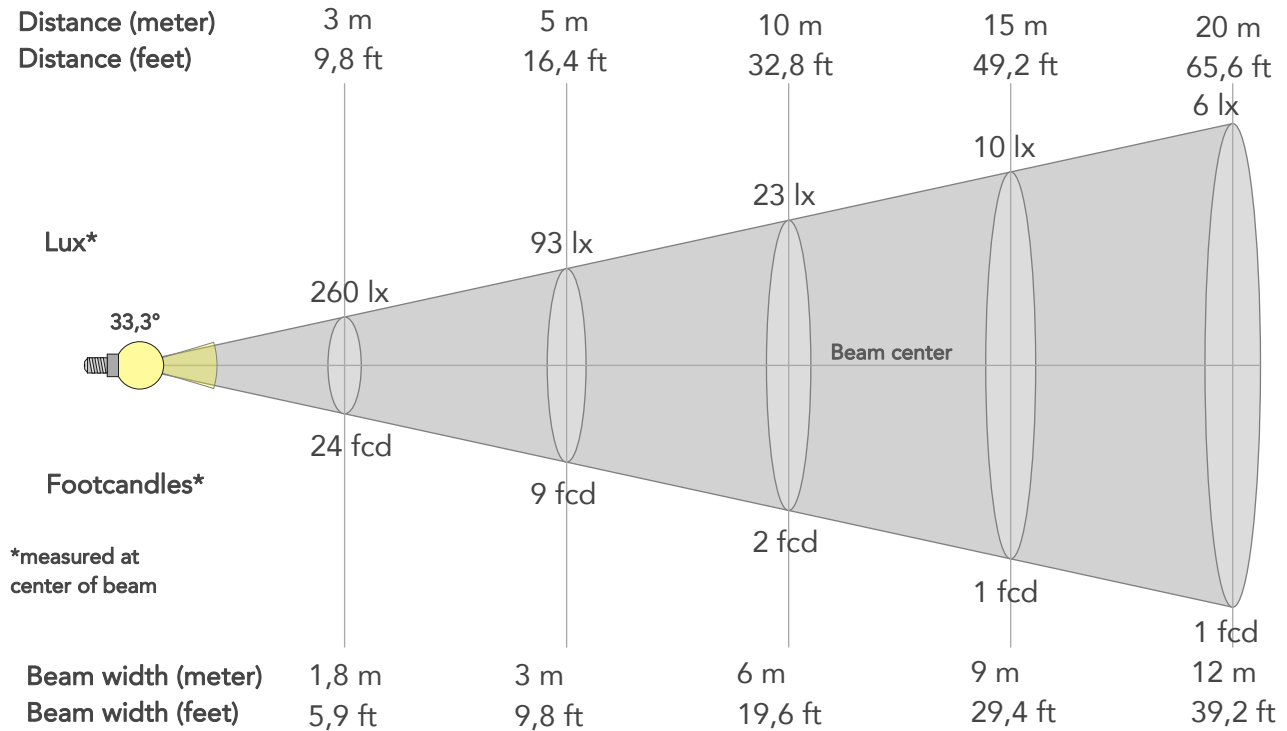
Cut off angle 2.5%: 38,3°

Spectra



BEAM DETAILS

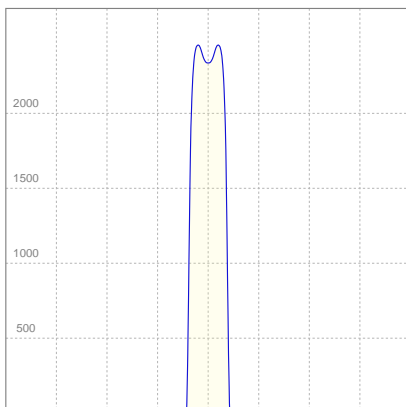
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,3°	37,1°	38,3°	99,5%	99,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2337lx	584lx	260lx	146lx	93lx	42lx	23lx	10lx	6lx	4lx	3lx	1lx	1lx
Footcand.	217fcd	54fcd	24fcd	14fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	17,9m	23,9m	29,9m
Beam wid.	2ft	3,9ft	5,9ft	7,8ft	9,8ft	14,7ft	19,6ft	29,4ft	39,2ft	49ft	58,9ft	78,5ft	98,1ft

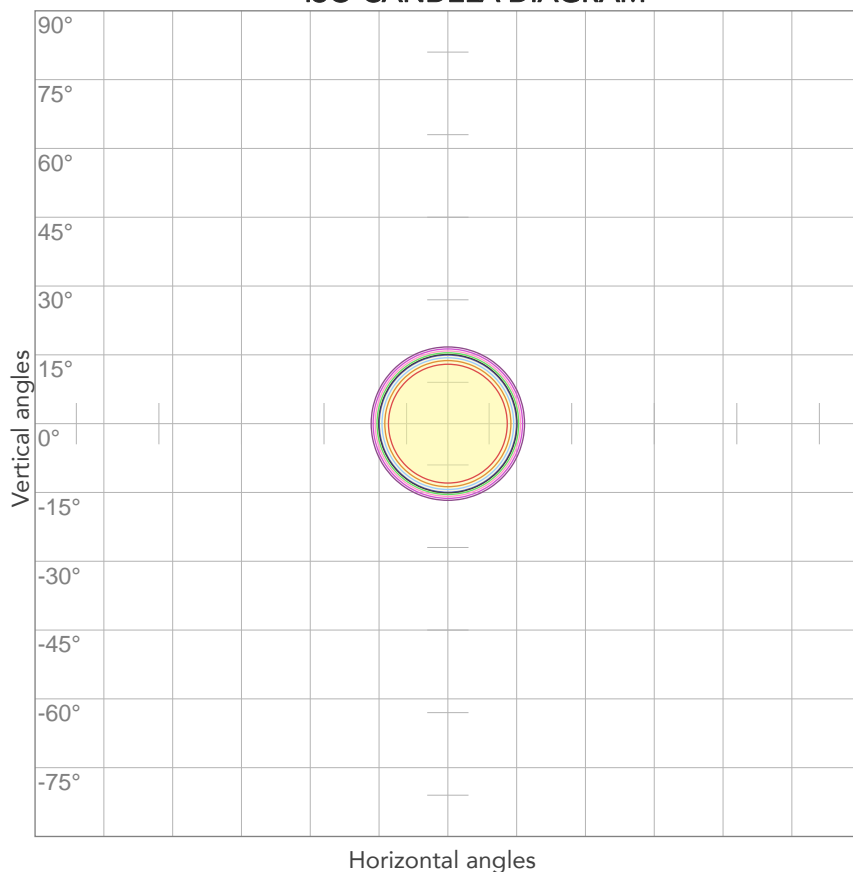
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,201A	44,1W	14lm/W
Power FC			
0,97			

ISO CANDELA DIAGRAM



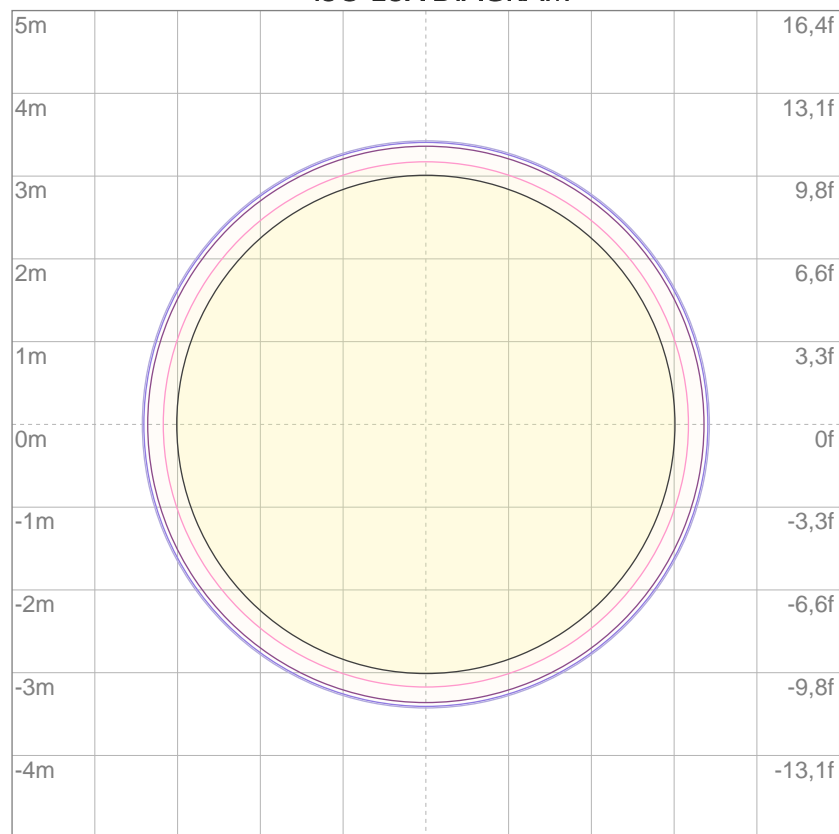
10%	234 cd
20%	467 cd
30%	701 cd
40%	935 cd
50%	1169 cd
60%	1402 cd
70%	1636 cd
80%	1870 cd

Conditions:

Number of c-planes: 2

Candela at center: 2337 cd

ISO LUX DIAGRAM



3%	0,701 lx
5%	1,17 lx
10%	2,34 lx
30%	7,01 lx
50%	11,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 23,4 lx

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



Total lumen output:

663 lm

Peak candela output:

6851 cd

PRODUCT NAME:

Gallery Ecl FC

MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

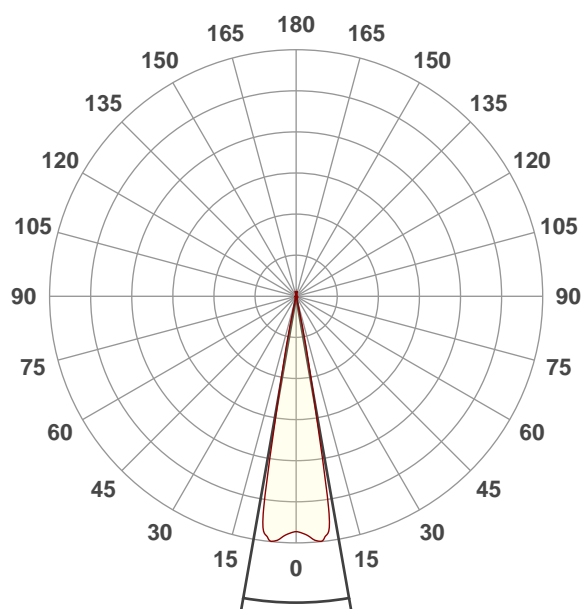
Full On

Operator:

Paolo Carvone

Date and time:

07/05/2020 10:16:44

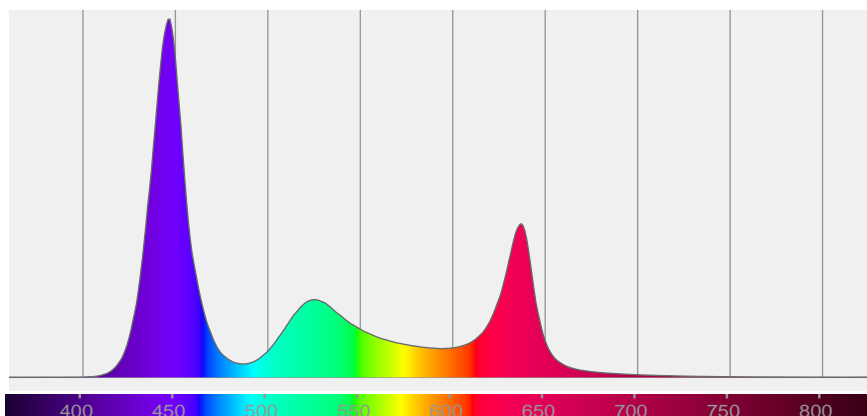


Beam angle 50%: 19,9°

Field angle 10%: 24°

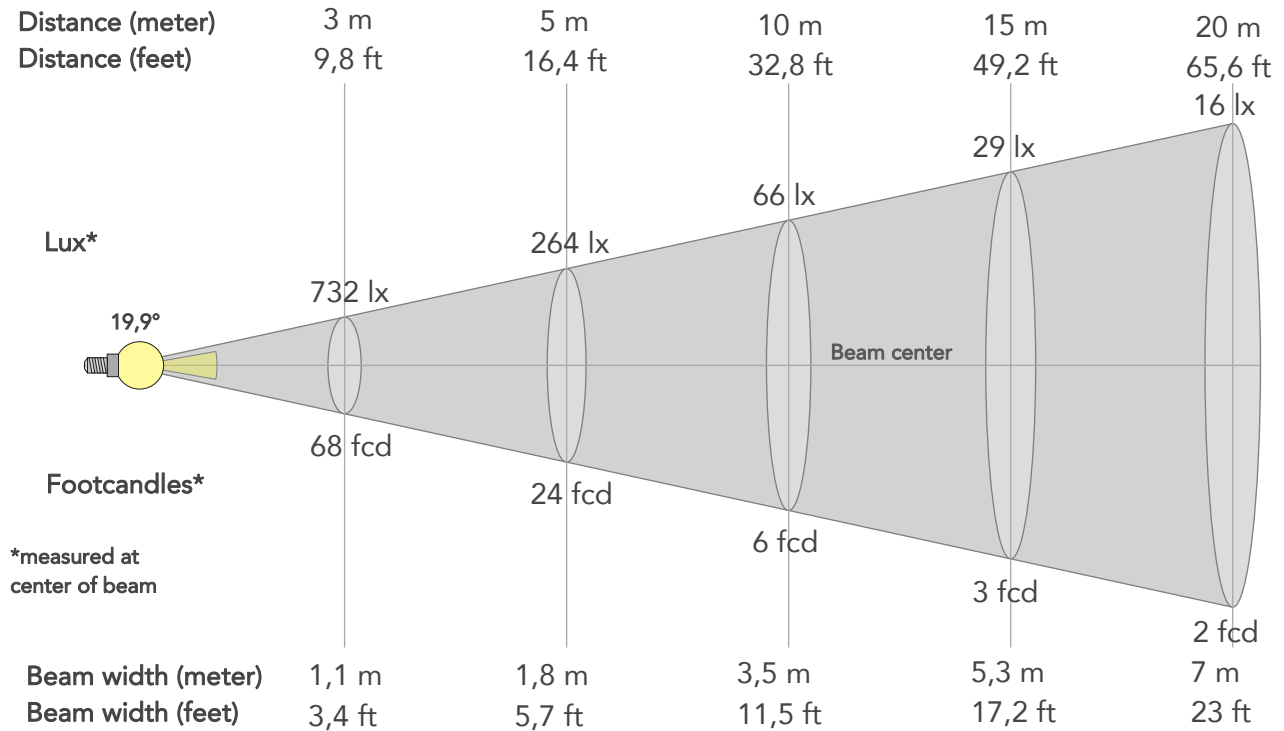
Cut off angle 2.5%: 25,1°

Spectra



BEAM DETAILS

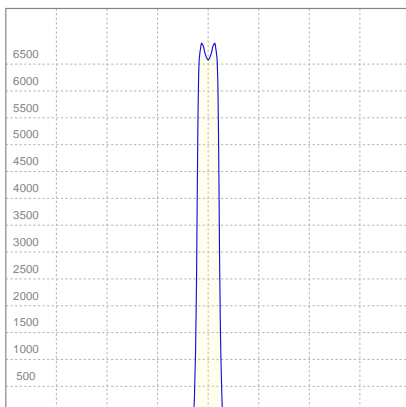
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
19,9°	24°	25,1°	99,6%	99,6%



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	6590lx	1647lx	732lx	412lx	264lx	117lx	66lx	29lx	16lx	11lx	7lx	4lx	3lx
Footcand.	612fcd	153fcd	68fcd	38fcd	24fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,4m	1,8m	2,6m	3,5m	5,3m	7m	8,8m	10,5m	14m	17,5m
Beam wid.	1,2ft	2,3ft	3,4ft	4,6ft	5,7ft	8,6ft	11,5ft	17,2ft	23ft	28,7ft	34,5ft	46ft	57,5ft

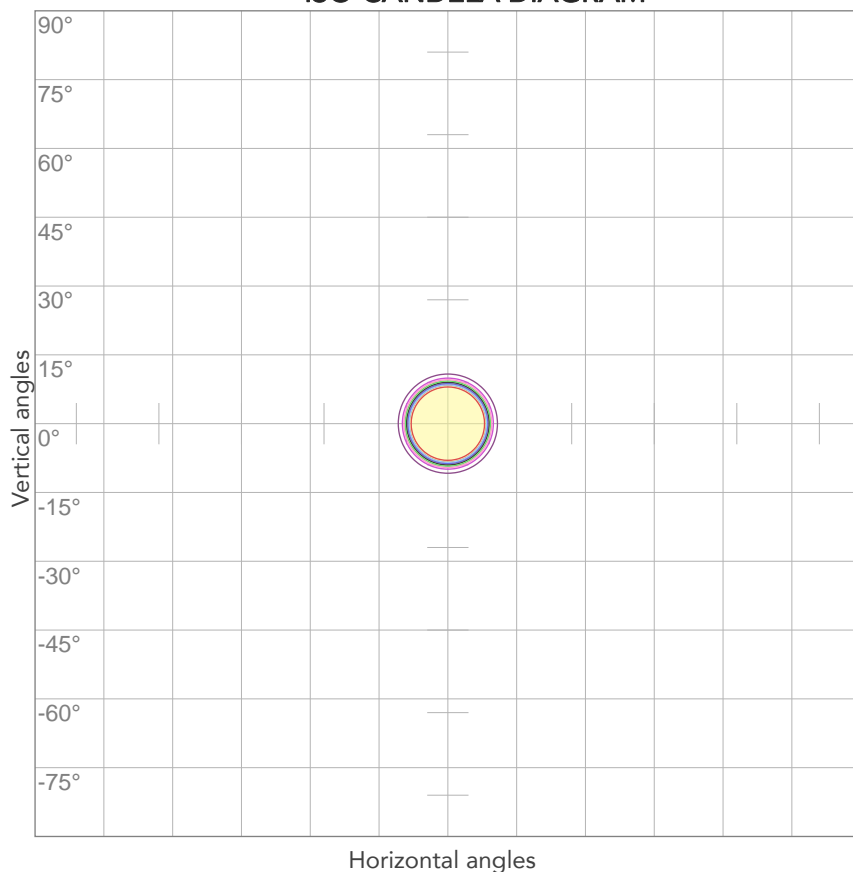
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,202A	44,4W	15lm/W
Power FC			
0,97			

ISO CANDELA DIAGRAM



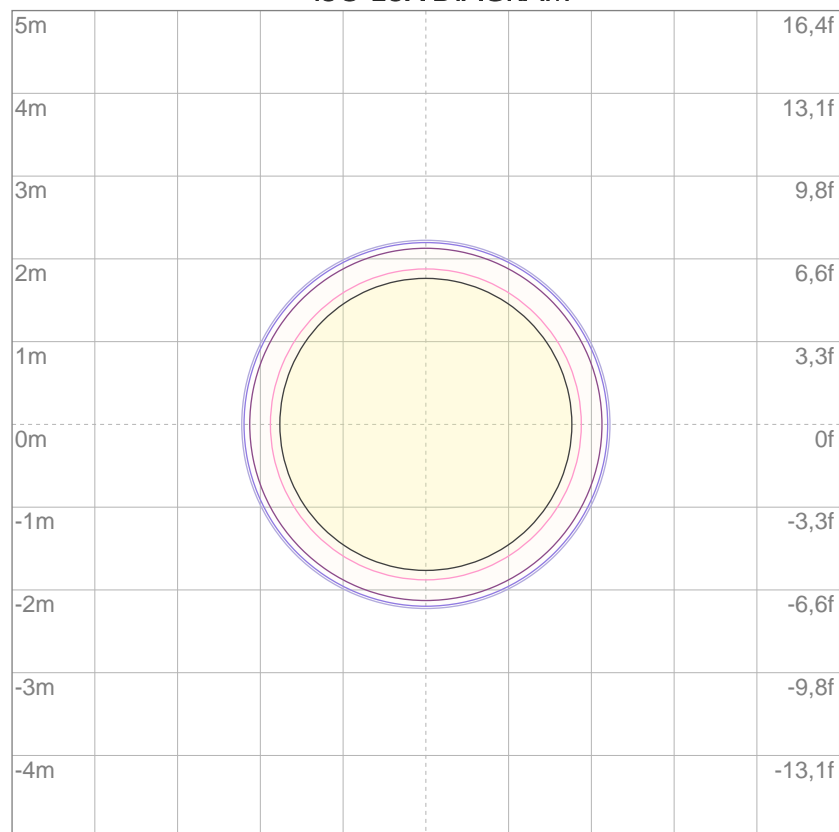
10%	659 cd
20%	1318 cd
30%	1977 cd
40%	2636 cd
50%	3295 cd
60%	3954 cd
70%	4613 cd
80%	5272 cd

Conditions:

Number of c-planes: 2

Candela at center: 6590 cd

ISO LUX DIAGRAM



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

Conditions:

Number of c-planes: 2

Lux at center: 65,9 lx

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



Total lumen output:

102 lm

Peak candela output:

397 cd

PRODUCT NAME:

Gallery Ecl FC

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

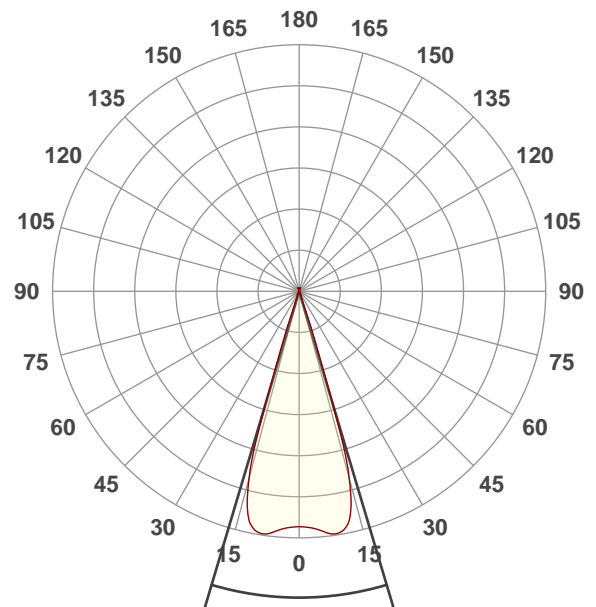
Red

Operator:

Paolo Carvone

Date and time:

07/05/2020 10:28:53

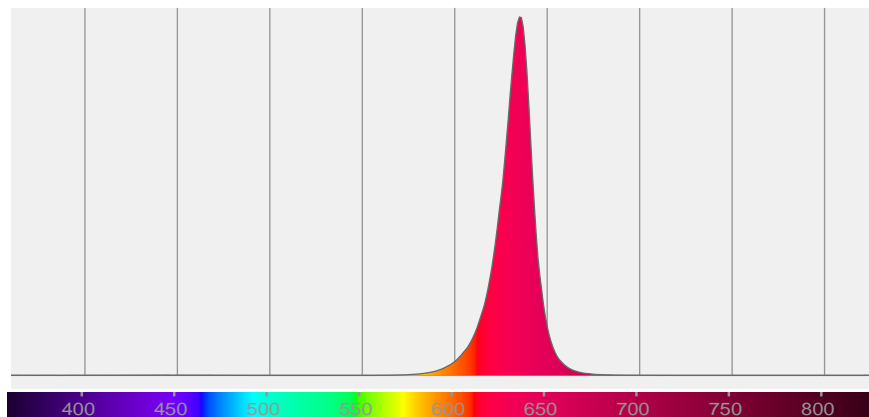


Beam angle 50%: 33,2°

Field angle 10%: 37,3°

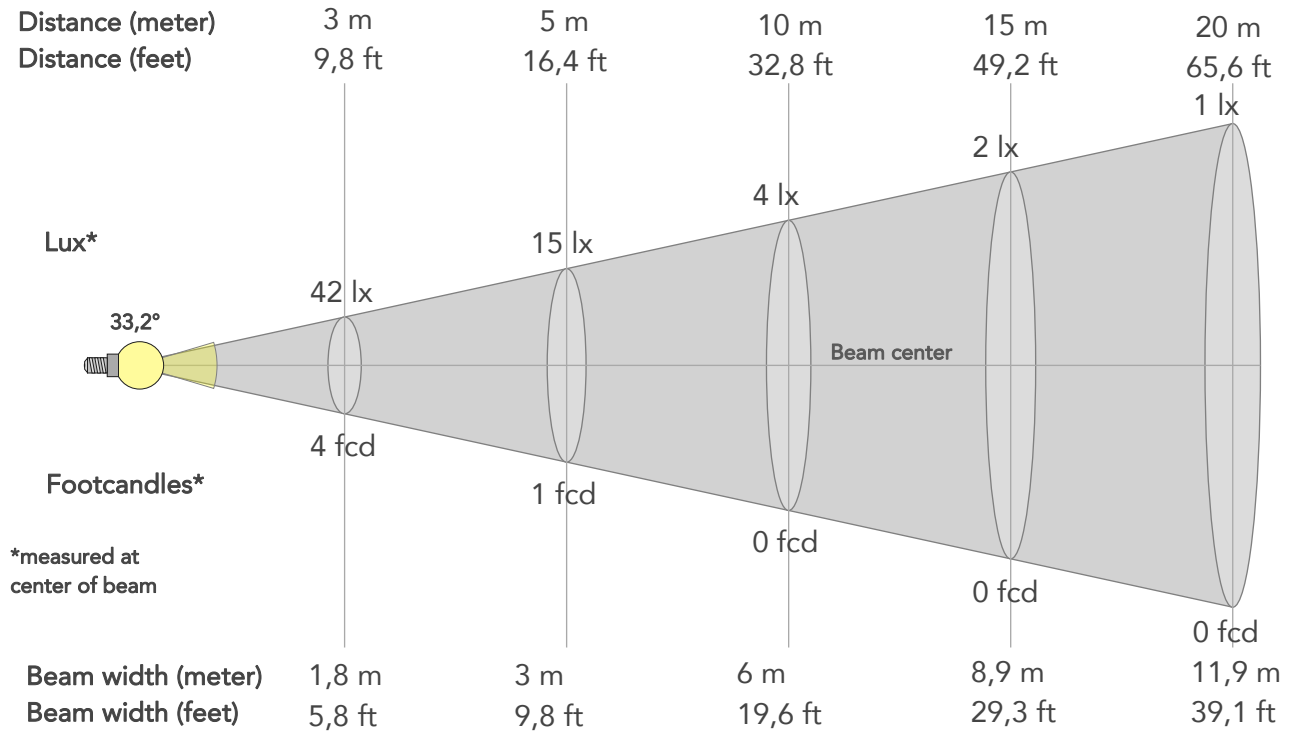
Cut off angle 2.5%: 38,5°

Spectra



BEAM DETAILS

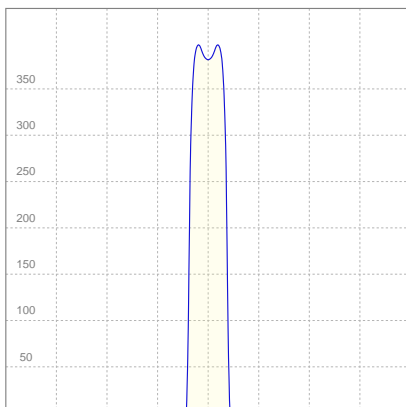
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,2°	37,3°	38,5°	99,0%	98,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	382lx	95lx	42lx	24lx	15lx	7lx	4lx	2lx	1lx	1lx	0lx	0lx	0lx
Footcand.	35fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	8,9m	11,9m	14,9m	17,9m	23,9m	29,8m
Beam wid.	2ft	3,9ft	5,8ft	7,8ft	9,8ft	14,7ft	19,6ft	29,3ft	39,1ft	48,9ft	58,7ft	78,3ft	97,8ft

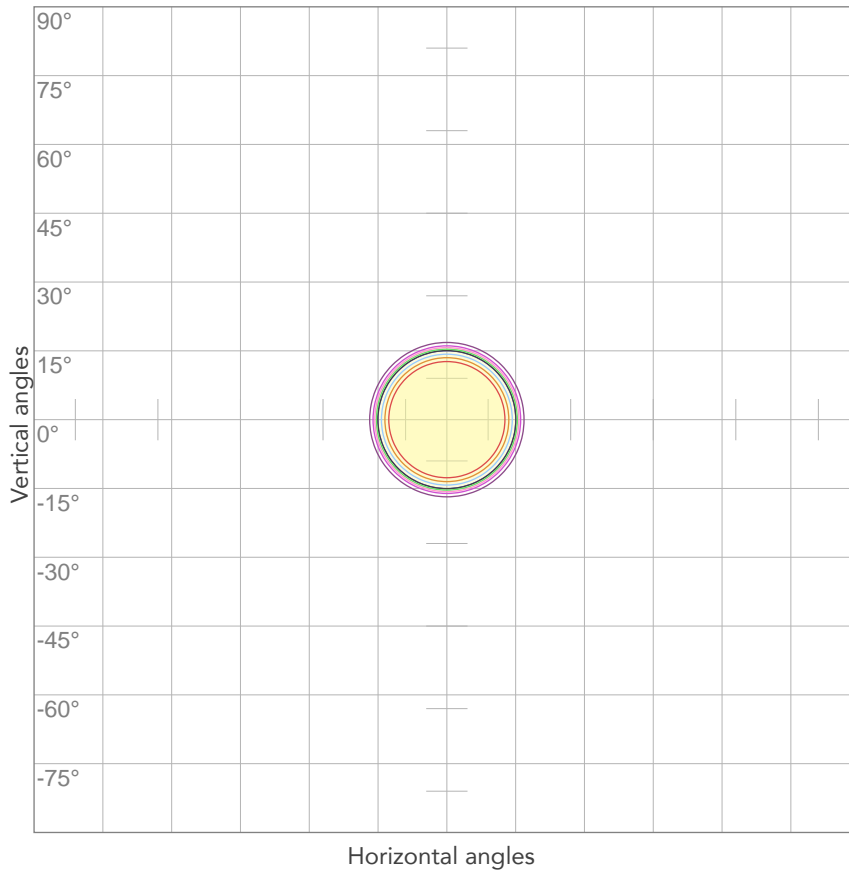
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,063A	11,4W	9lm/W

ISO CANDELA DIAGRAM



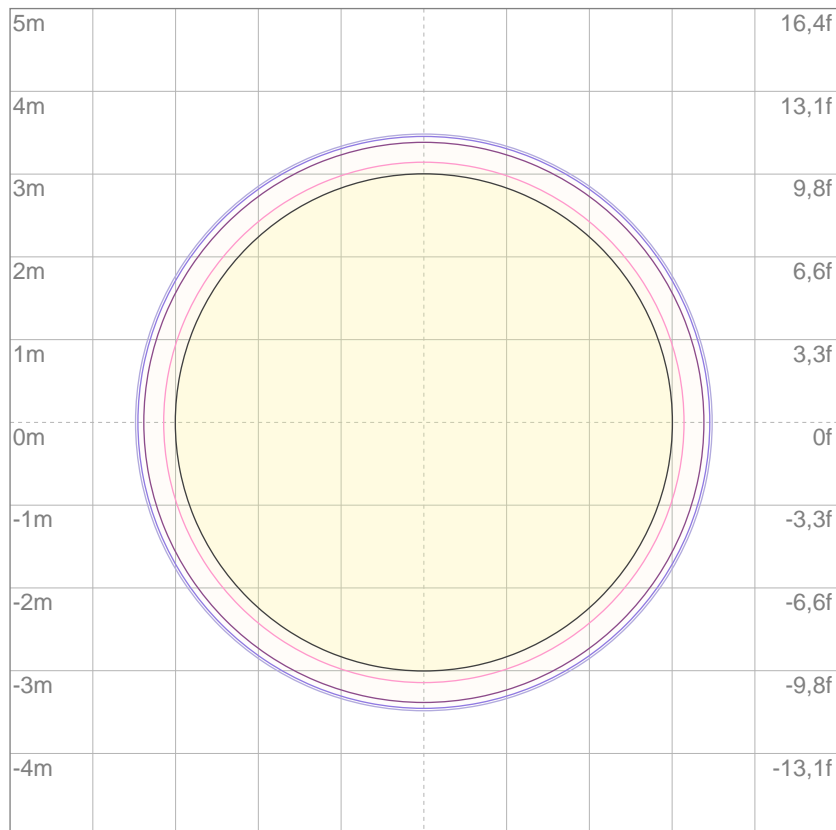
10%	38 cd
20%	76 cd
30%	114 cd
40%	153 cd
50%	191 cd
60%	229 cd
70%	267 cd
80%	305 cd

Conditions:

Number of c-planes: 2

Candela at center: 382 cd

ISO LUX DIAGRAM



3%	0,114 lx
5%	0,191 lx
10%	0,382 lx
30%	1,14 lx
50%	1,91 lx

Conditions:

Number of c-planes: 2

Lux at center: 3,82 lx

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



Total lumen output:

107 lm

Peak candela output:

1413 cd

PRODUCT NAME:

Gallery Ecl FC

MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

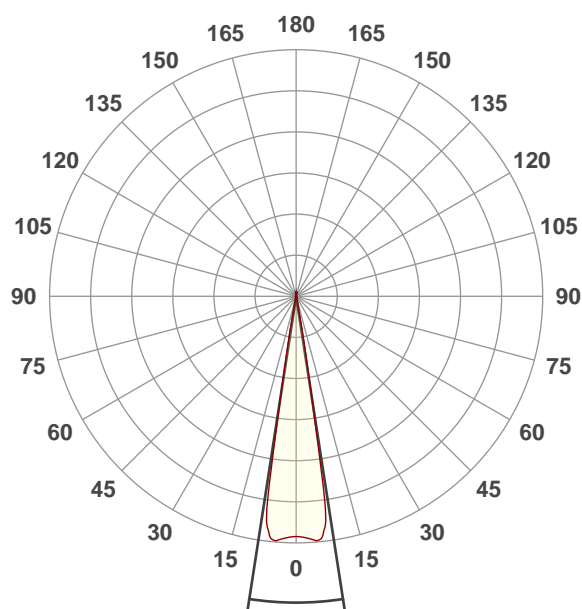
Red

Operator:

Paolo Carvone

Date and time:

07/05/2020 10:43:55

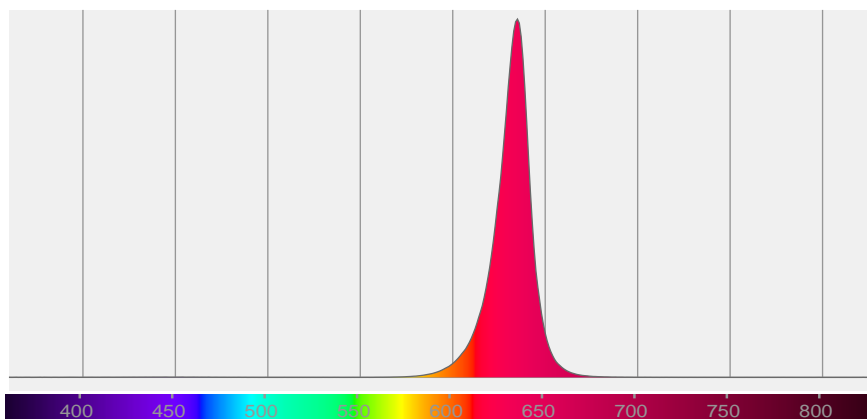


Beam angle 50%: 17,6°

Field angle 10%: 20,6°

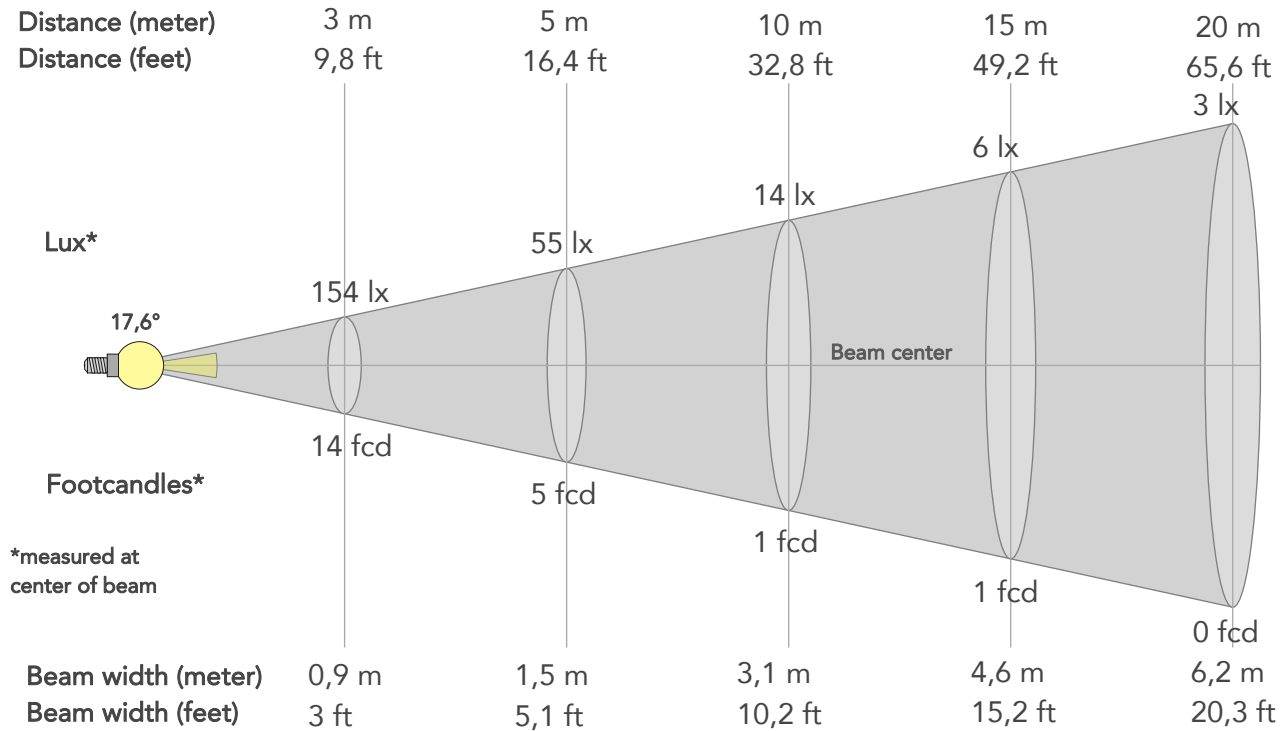
Cut off angle 2.5%: 21,5°

Spectra



BEAM DETAILS

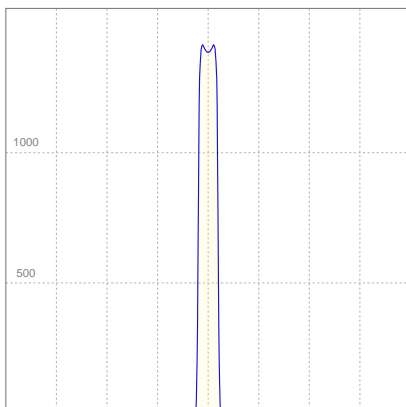
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,6°	20,6°	21,5°	98,7%	98,4%



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	1386lx	346lx	154lx	87lx	55lx	25lx	14lx	6lx	3lx	2lx	2lx	1lx	1lx
Footcand.	129fcd	32fcd	14fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,5m	2,3m	3,1m	4,6m	6,2m	7,7m	9,3m	12,4m	15,5m
Beam wid.	1ft	2ft	3ft	4,1ft	5,1ft	7,6ft	10,2ft	15,2ft	20,3ft	25,4ft	30,5ft	40,6ft	50,8ft

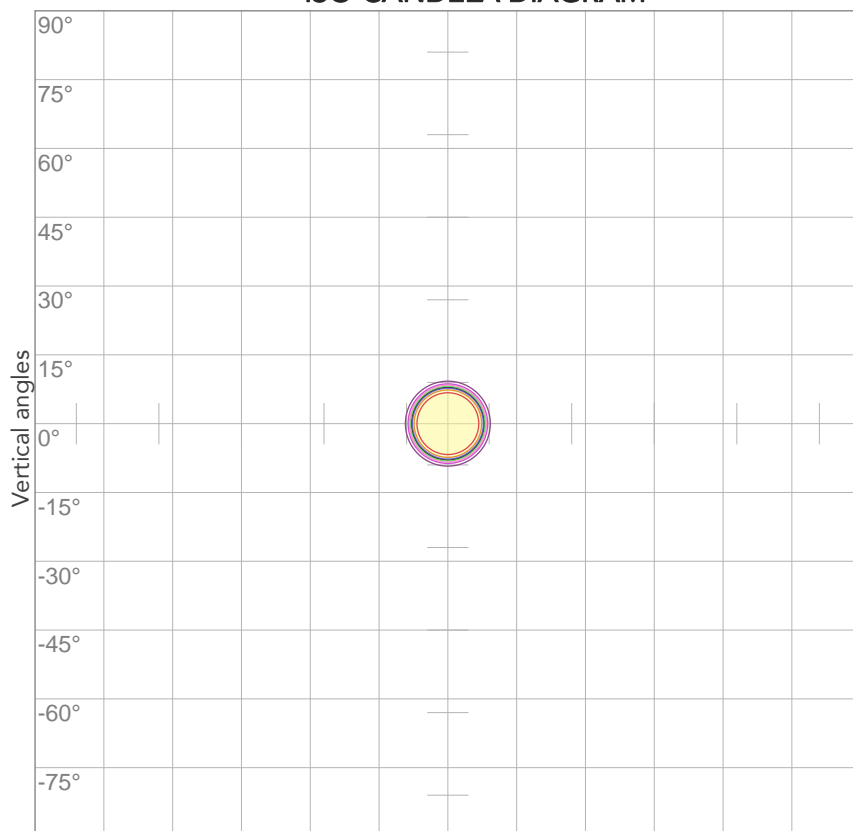
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,064A	11,6W	9lm/W

ISO CANDELA DIAGRAM



Horizontal angles

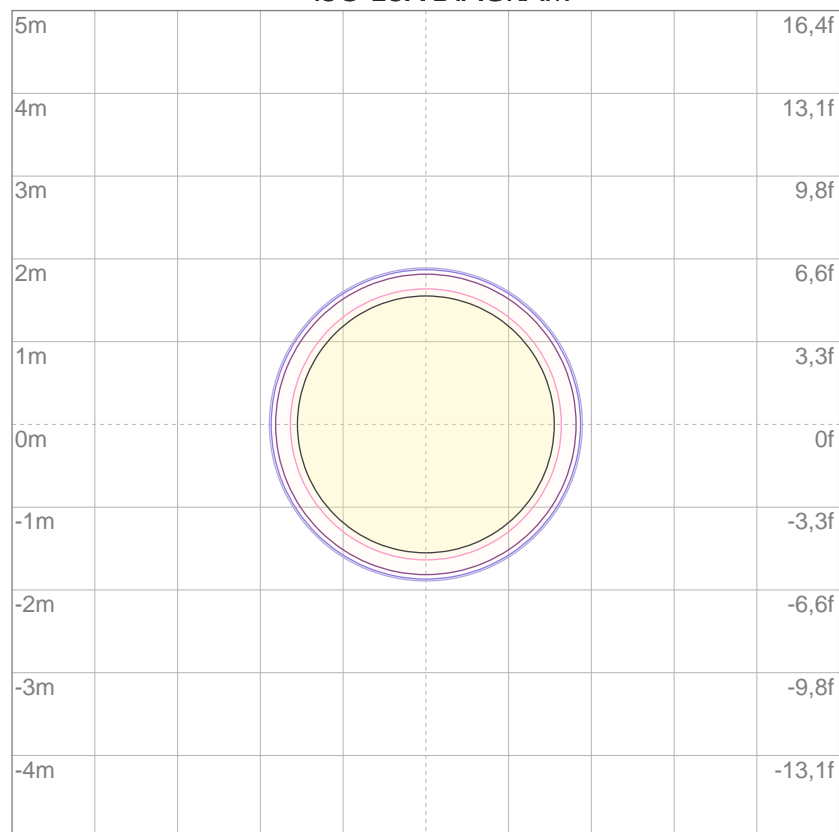
10%	139 cd
20%	277 cd
30%	416 cd
40%	554 cd
50%	693 cd
60%	832 cd
70%	970 cd
80%	1109 cd

Conditions:

Number of c-planes: 2

Candela at center: 1386 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,416 lx
5%	0,693 lx
10%	1,39 lx
30%	4,16 lx
50%	6,93 lx

Conditions:

Number of c-planes: 2

Lux at center: 13,9 lx

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



Total lumen output:

297 lm

Peak candela output:

1144 cd

PRODUCT NAME:

Gallery Ecl FC

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

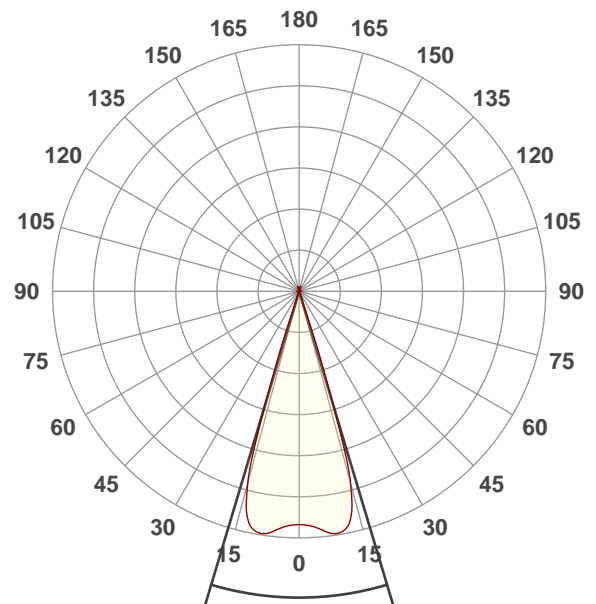
Green

Operator:

Paolo Carvone

Date and time:

07/05/2020 10:31:14

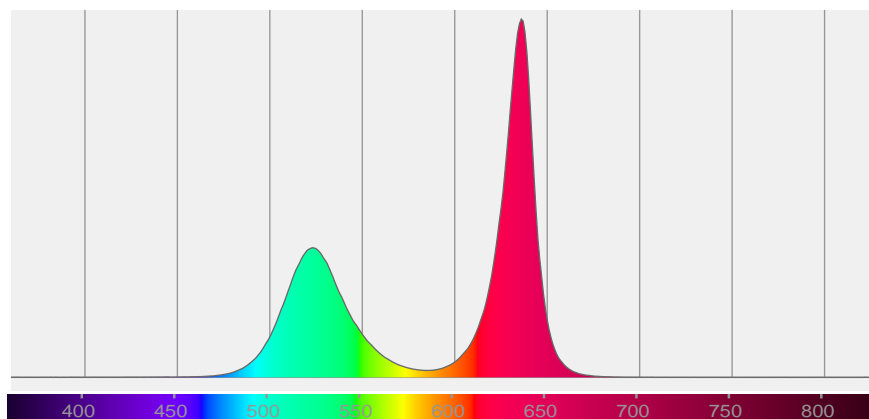


Beam angle 50%: 33,4°

Field angle 10%: 37,3°

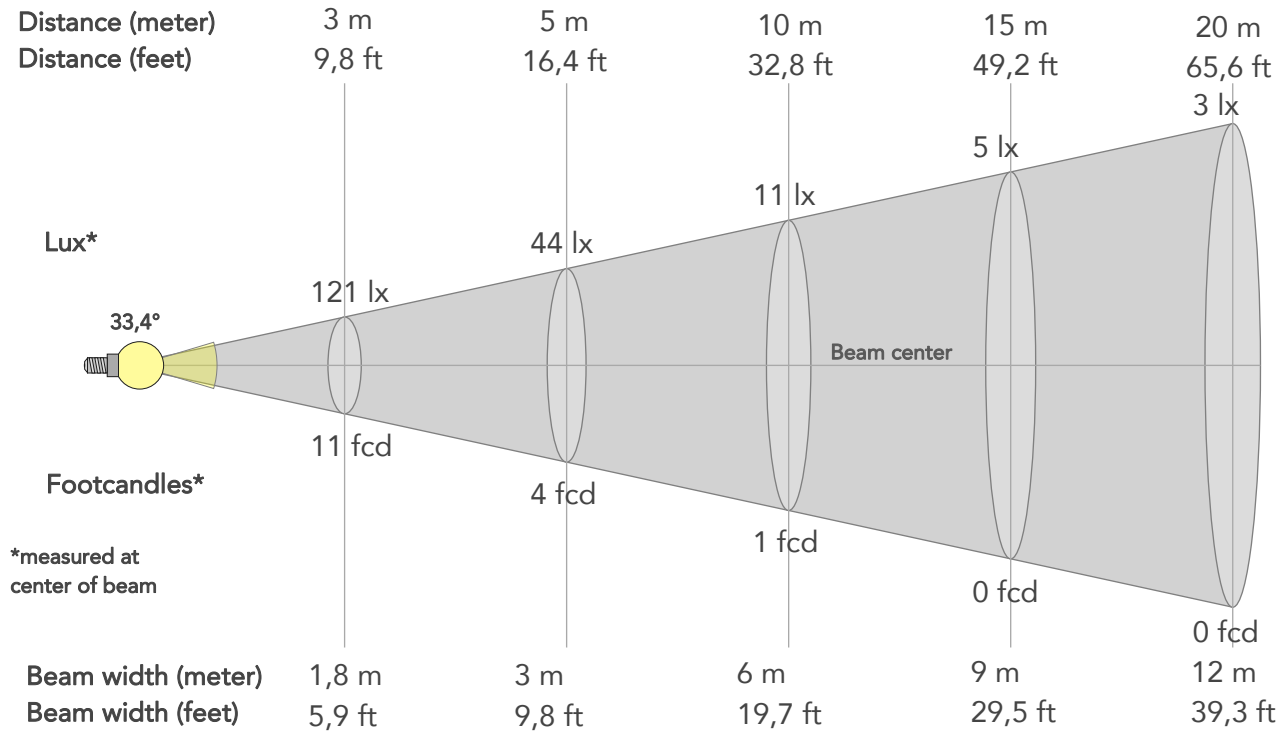
Cut off angle 2.5%: 38,2°

Spectra



BEAM DETAILS

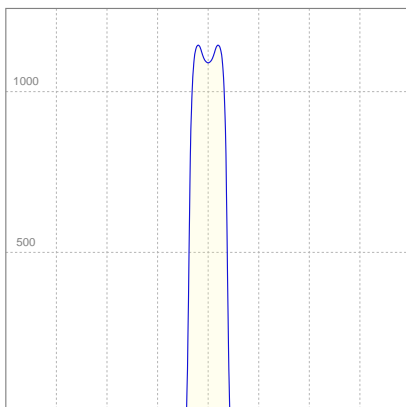
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,4°	37,3°	38,2°	99,5%	99,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1090lx	272lx	121lx	68lx	44lx	19lx	11lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	101fcd	25fcd	11fcd	6fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30m
Beam wid.	2ft	4ft	5,9ft	7,8ft	9,8ft	14,7ft	19,7ft	29,5ft	39,3ft	49,1ft	59ft	78,6ft	98,3ft

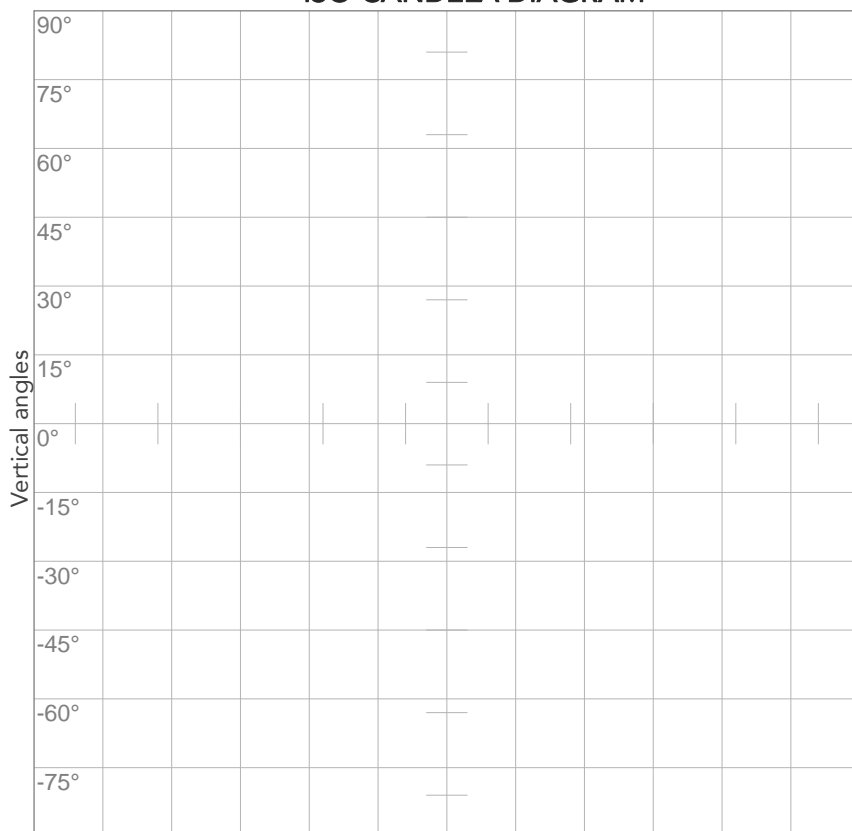
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,078A	14,9W	20lm/W

ISO CANDELA DIAGRAM



Horizontal angles

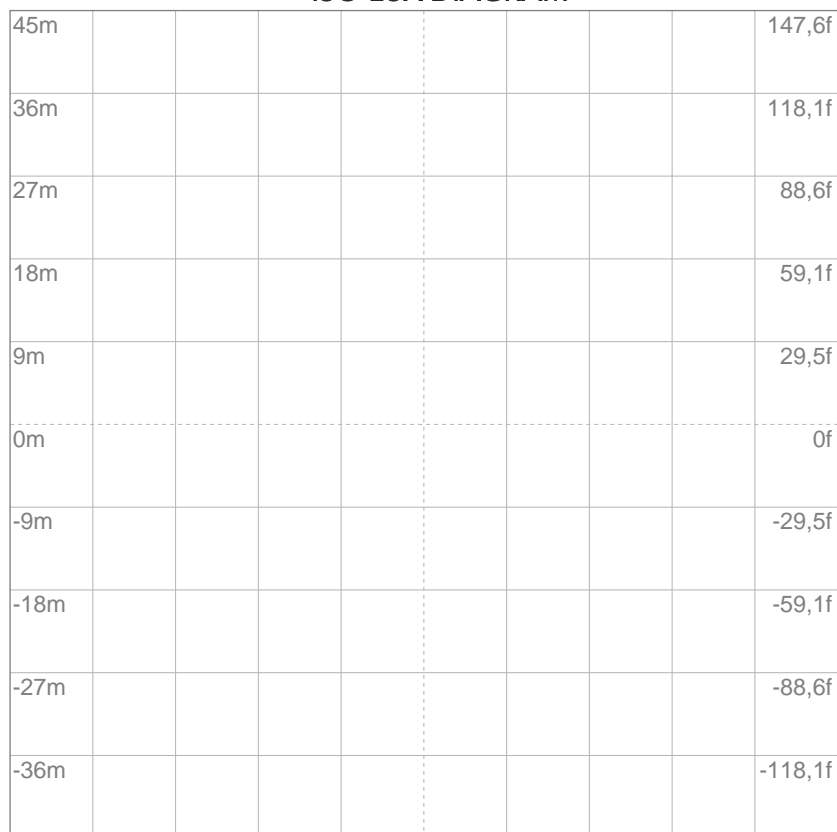
10%	109 cd
20%	218 cd
30%	327 cd
40%	436 cd
50%	545 cd
60%	654 cd
70%	763 cd
80%	872 cd

Conditions:

Number of c-planes: 2

Candela at center: 1090 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,327 lx
5%	0,545 lx
10%	1,09 lx
30%	3,27 lx
50%	5,45 lx

Conditions:

Number of c-planes: 2

Lux at center: 10,9 lx

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



Total lumen output:

204 lm

Peak candela output:

2733 cd

PRODUCT NAME:

Gallery Ecl FC

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

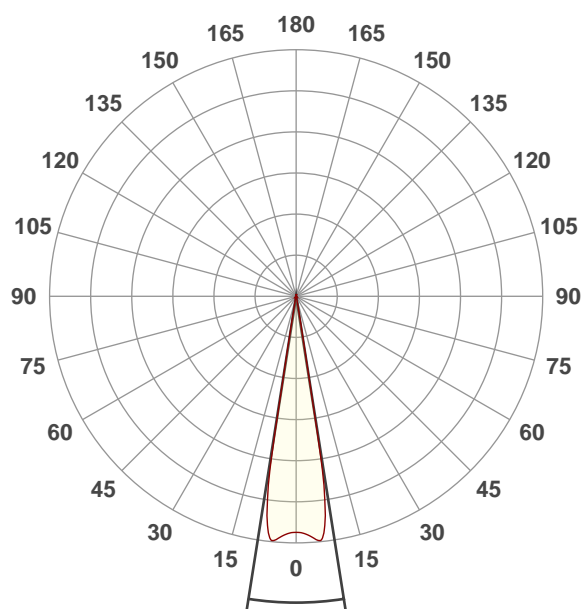
Green

Operator:

Paolo Carvone

Date and time:

07/05/2020 10:46:02

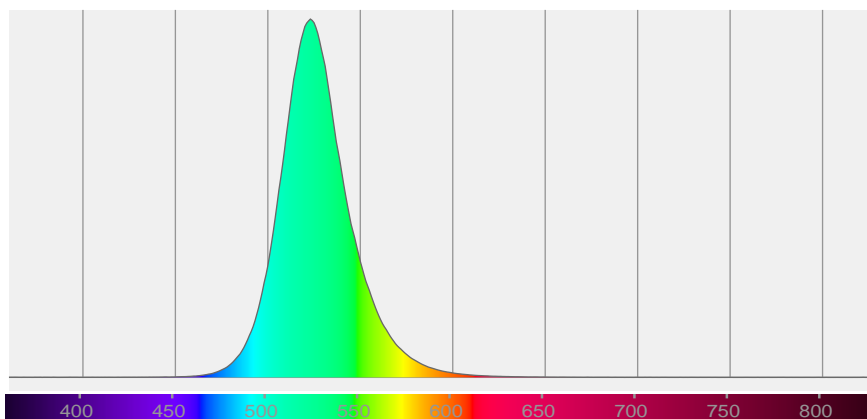


Beam angle 50%: 17,9°

Field angle 10%: 19,4°

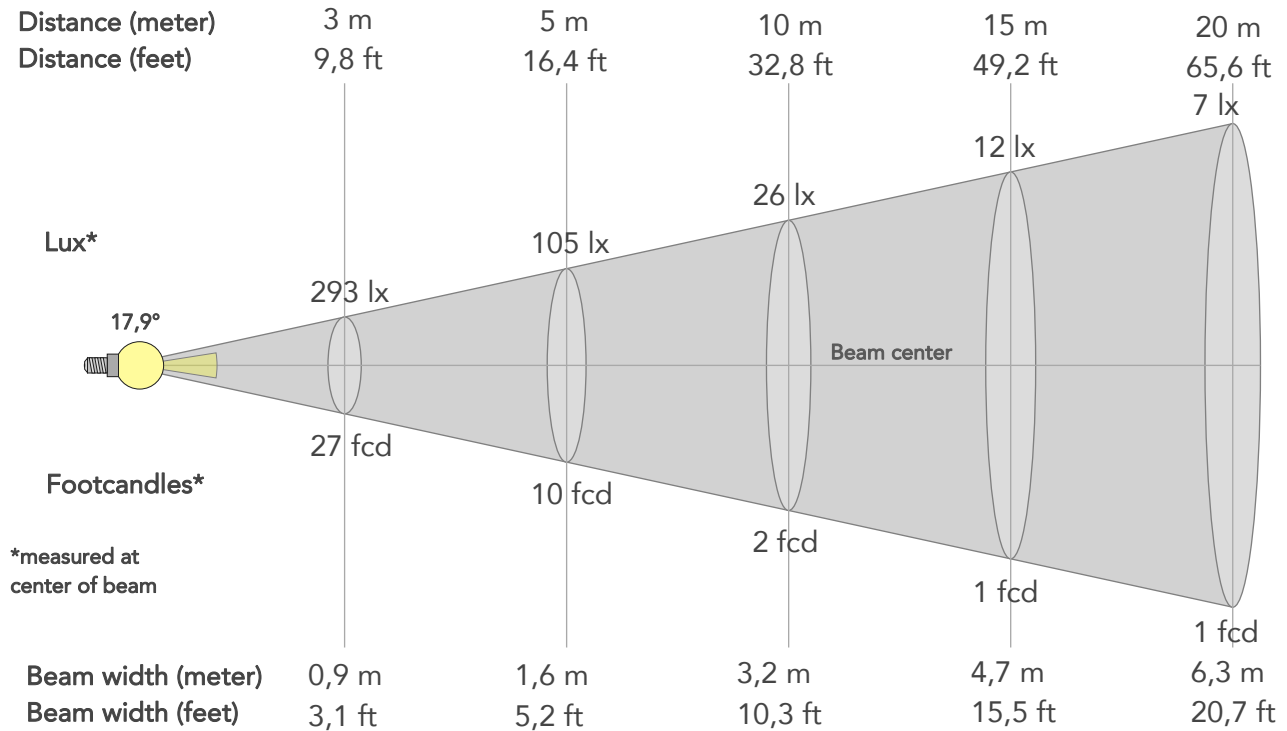
Cut off angle 2.5%: 20,5°

Spectra



BEAM DETAILS

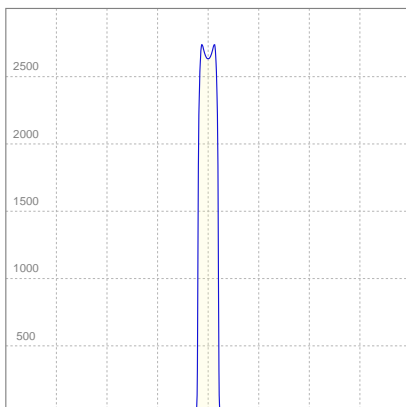
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,9°	19,4°	20,5°	99,5%	99,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2634lx	659lx	293lx	165lx	105lx	47lx	26lx	12lx	7lx	4lx	3lx	2lx	1lx
Footcand.	245fcd	61fcd	27fcd	15fcd	10fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,3m	1,6m	2,4m	3,2m	4,7m	6,3m	7,9m	9,5m	12,6m	15,8m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,2ft	7,8ft	10,3ft	15,5ft	20,7ft	25,8ft	31ft	41,4ft	51,7ft

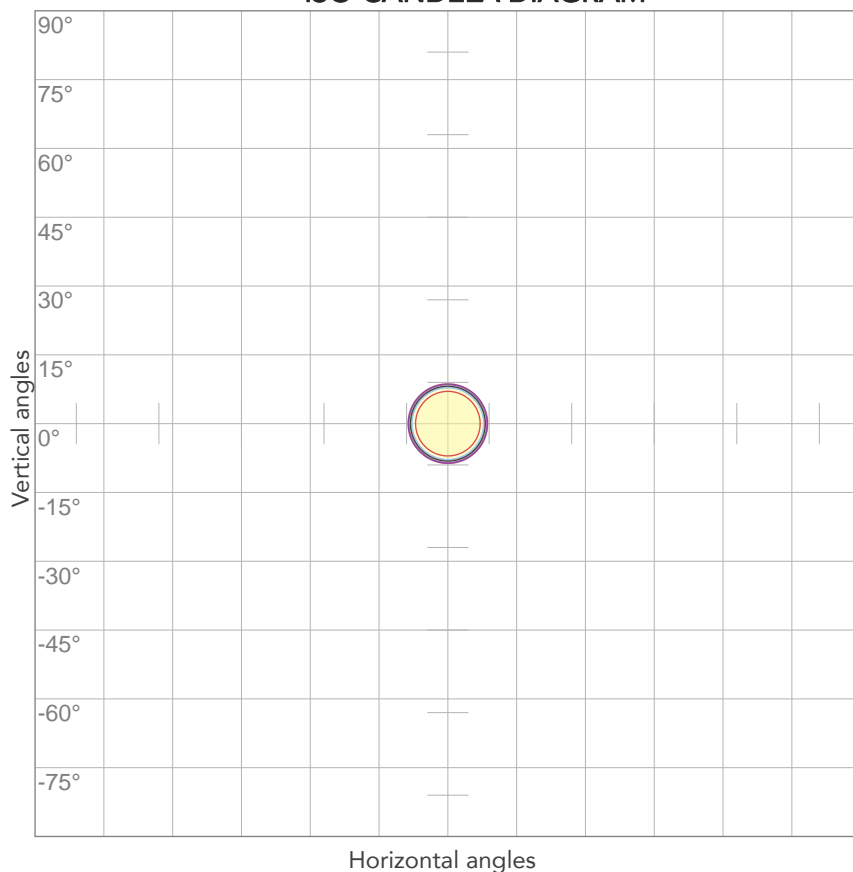
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,129A	13,9W	15lm/W

ISO CANDELA DIAGRAM



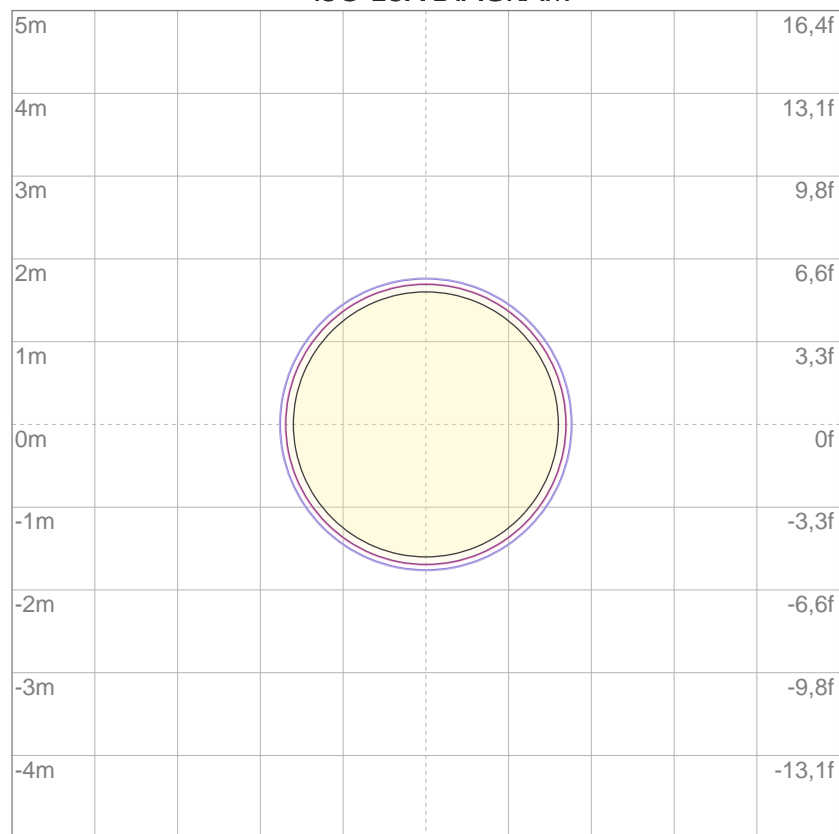
10%	263 cd
20%	527 cd
30%	790 cd
40%	1054 cd
50%	1317 cd
60%	1581 cd
70%	1844 cd
80%	2107 cd

Conditions:

Number of c-planes: 2

Candela at center: 2634 cd

ISO LUX DIAGRAM



3%	0,790 lx
5%	1,32 lx
10%	2,63 lx
30%	7,90 lx
50%	13,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 26,3 lx

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



Total lumen output:

45,0 lm

Peak candela output:

168 cd

PRODUCT NAME:

Gallery Ecl FC

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

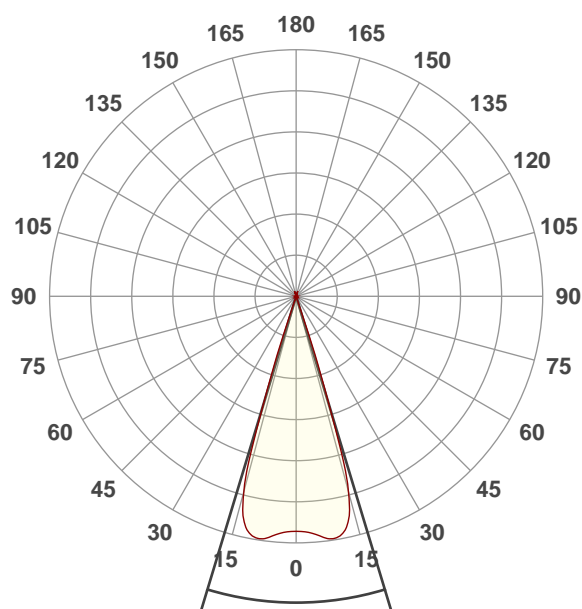
Blue

Operator:

Paolo Carvone

Date and time:

07/05/2020 10:36:22

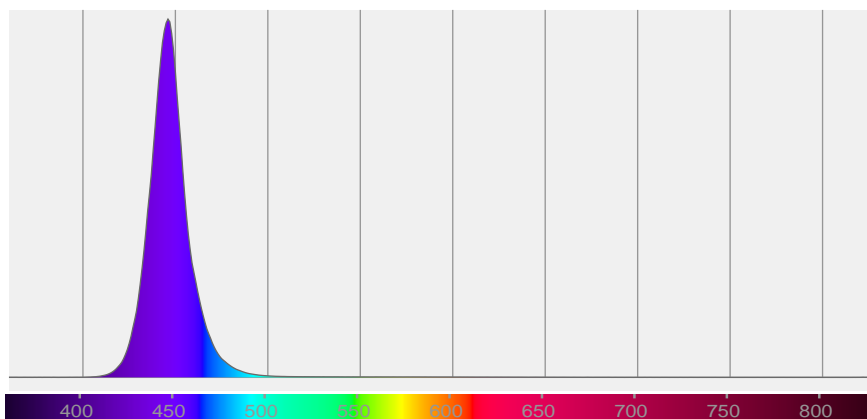


Beam angle 50%: 33,7°

Field angle 10%: 37,7°

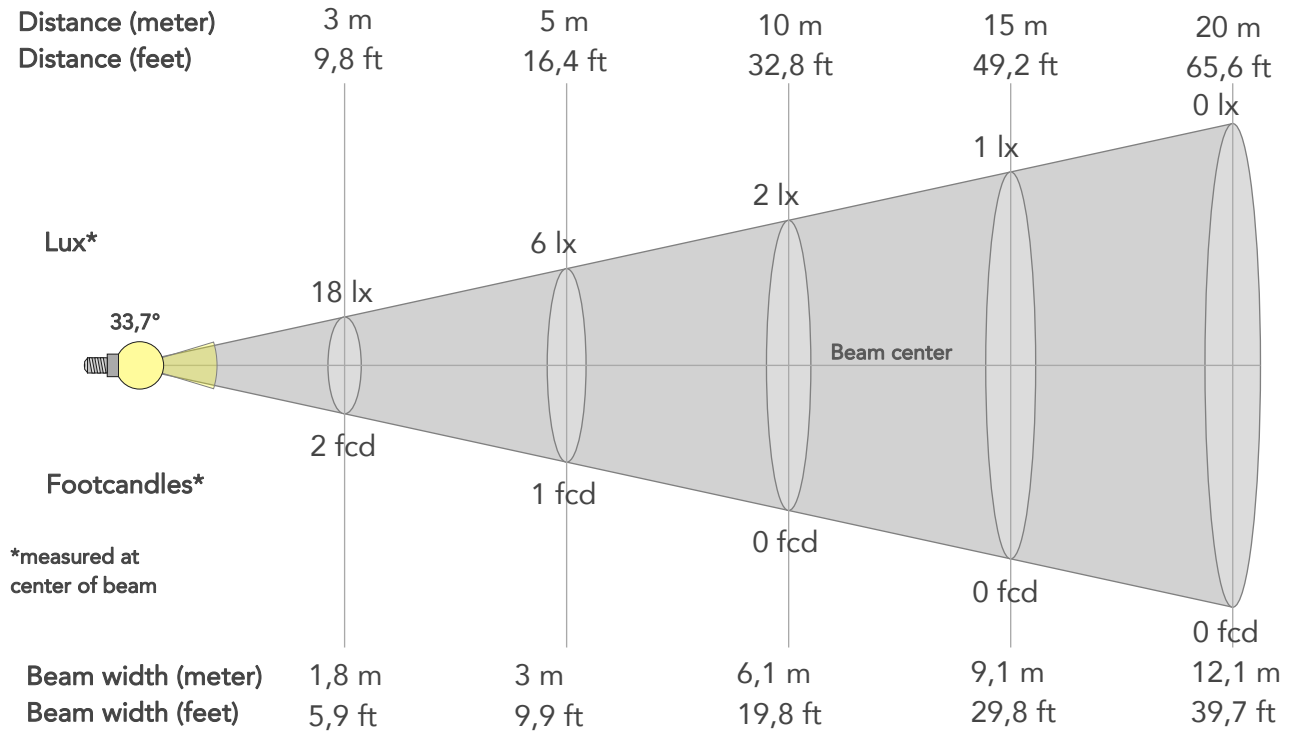
Cut off angle 2.5%: 38,6°

Spectra



BEAM DETAILS

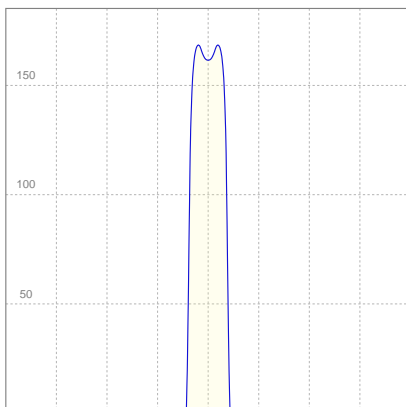
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,7°	37,7°	38,6°	98,8%	98,5%



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	162lx	40lx	18lx	10lx	6lx	3lx	2lx	1lx	0lx	0lx	0lx	0lx	0lx
Footcand.	15fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6,1m	9,1m	12,1m	15,1m	18,2m	24,2m	30,3m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,9ft	19,8ft	29,8ft	39,7ft	49,6ft	59,5ft	79,4ft	99,2ft

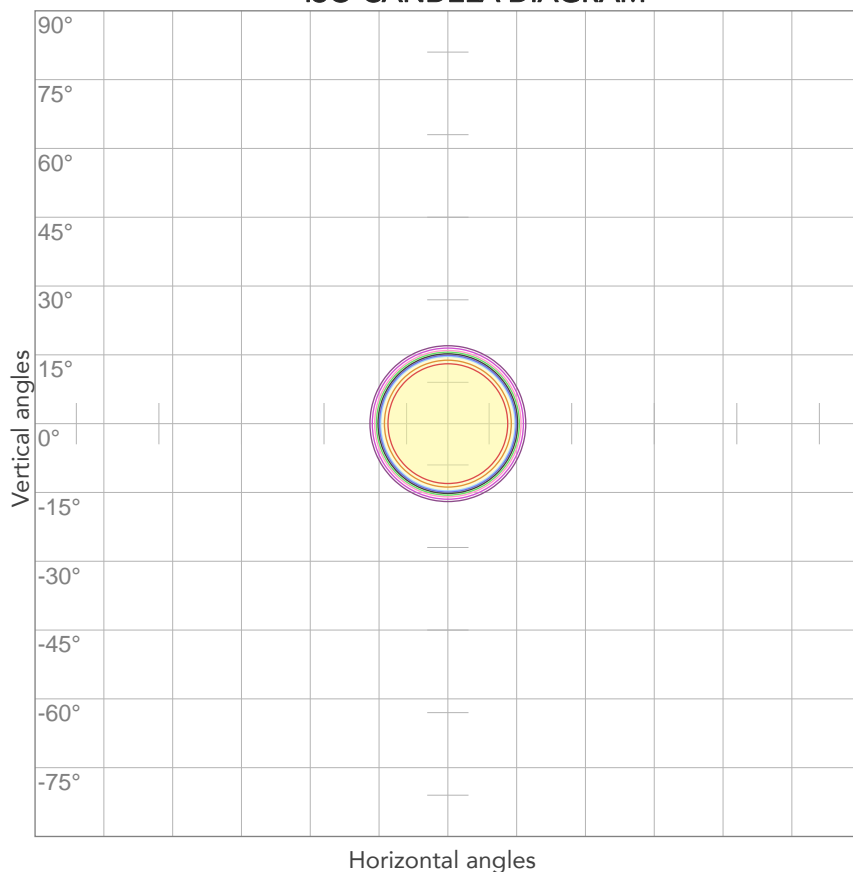
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,112A	12,1W	4lm/W

ISO CANDELA DIAGRAM



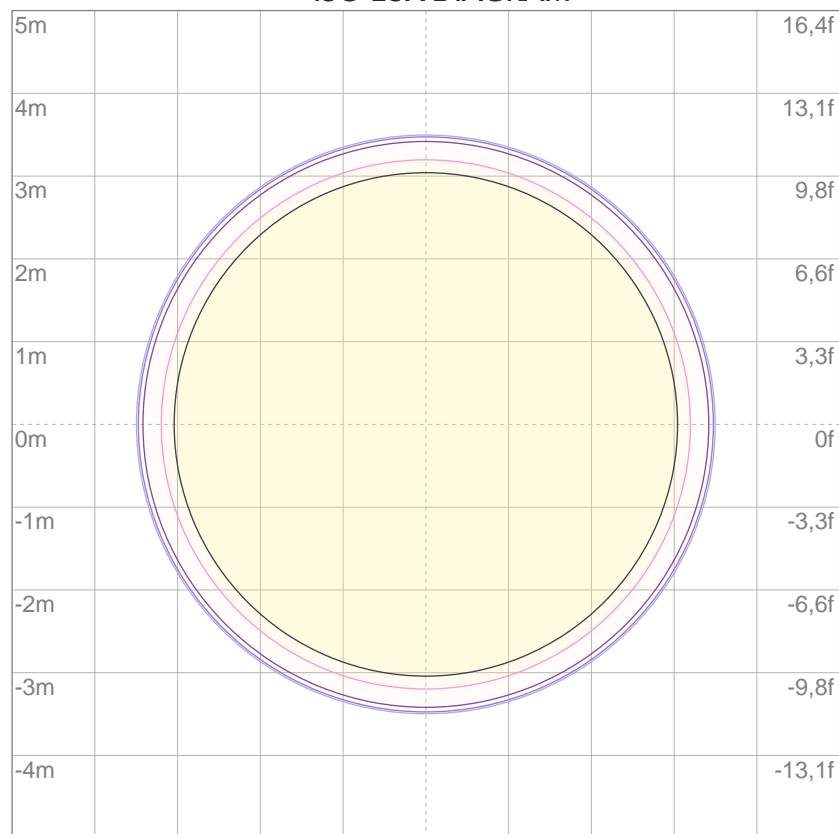
10%	16 cd
20%	32 cd
30%	48 cd
40%	65 cd
50%	81 cd
60%	97 cd
70%	113 cd
80%	129 cd

Conditions:

Number of c-planes: 2

Candela at center: 162 cd

ISO LUX DIAGRAM



3%	48,5m lx
5%	80,8m lx
10%	0,162 lx
30%	0,485 lx
50%	0,808 lx

Conditions:

Number of c-planes: 2

Lux at center: 1,62 lx

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



Total lumen output:

45,7 lm

Peak candela output:

609 cd

PRODUCT NAME:

Gallery Ecl FC

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

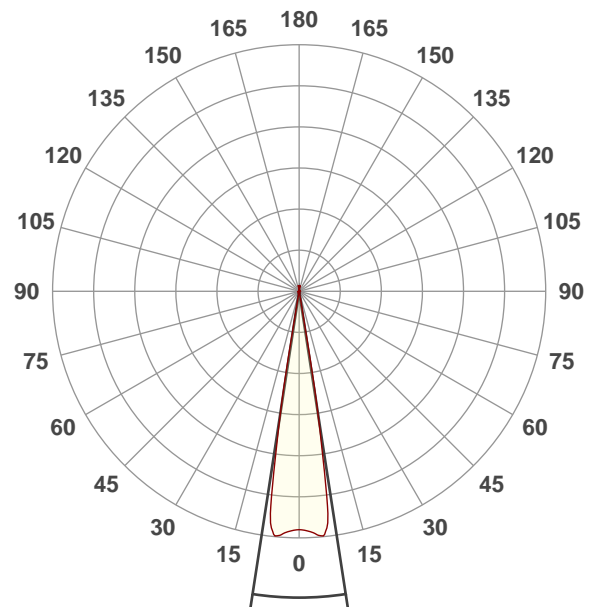
Blue

Operator:

Paolo Carvone

Date and time:

07/05/2020 10:48:12

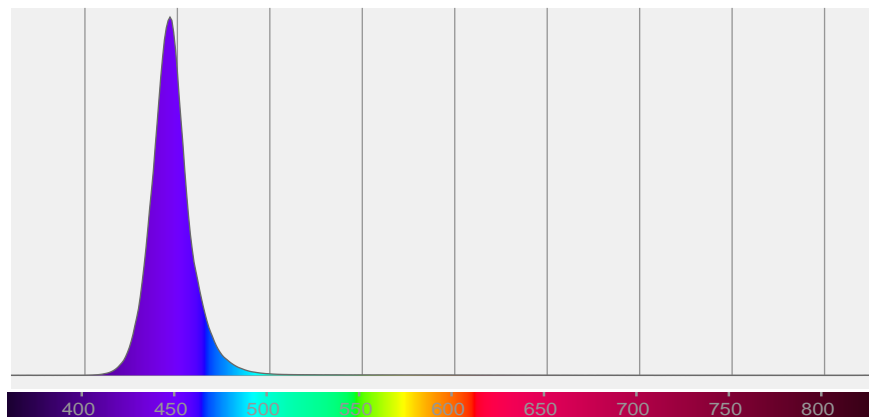


Beam angle 50%: 17,5°

Field angle 10%: 20,1°

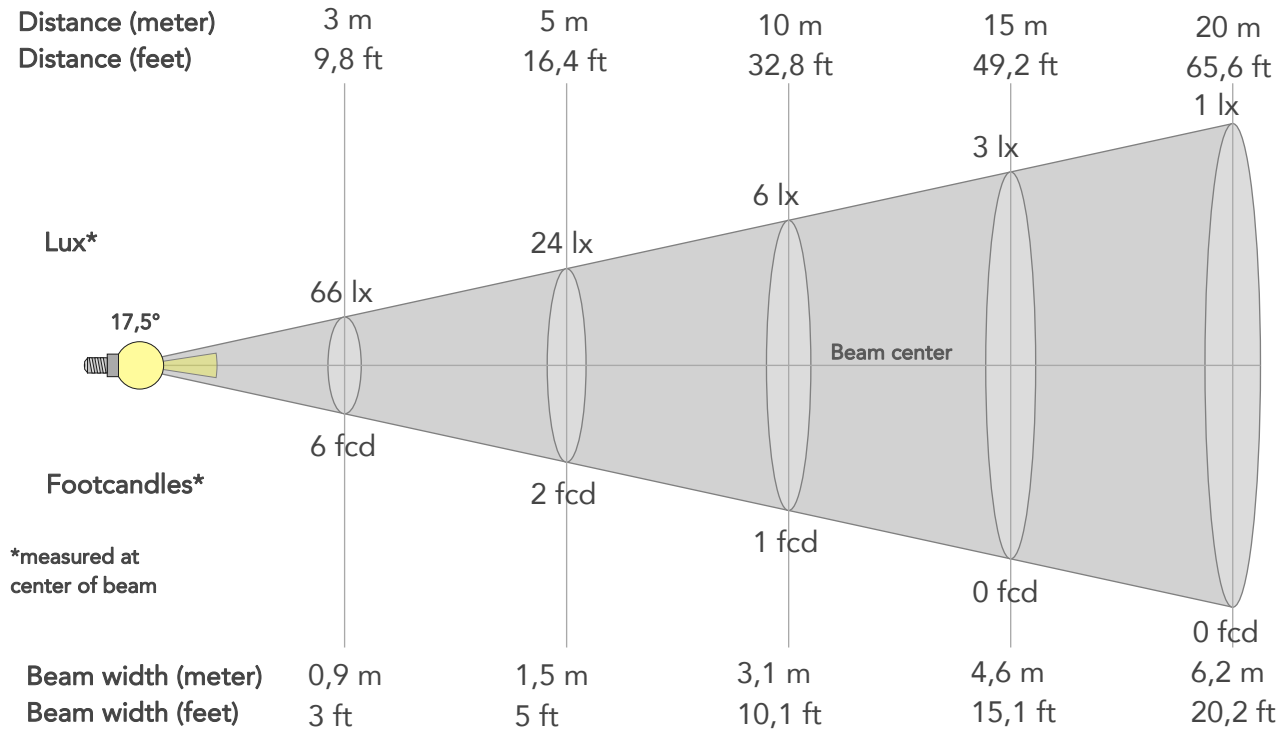
Cut off angle 2.5%: 20,6°

Spectra



BEAM DETAILS

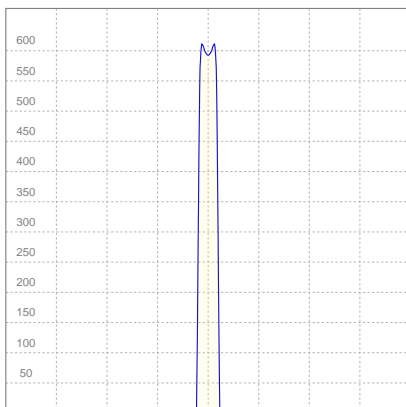
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,5°	20,1°	20,6°	98,1%	97,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	593lx	148lx	66lx	37lx	24lx	11lx	6lx	3lx	1lx	1lx	1lx	0lx	0lx
Footcand.	55fcd	14fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,5m	2,3m	3,1m	4,6m	6,2m	7,7m	9,2m	12,3m	15,4m
Beam wid.	1ft	2ft	3ft	4ft	5ft	7,6ft	10,1ft	15,1ft	20,2ft	25,2ft	30,3ft	40,4ft	50,5ft

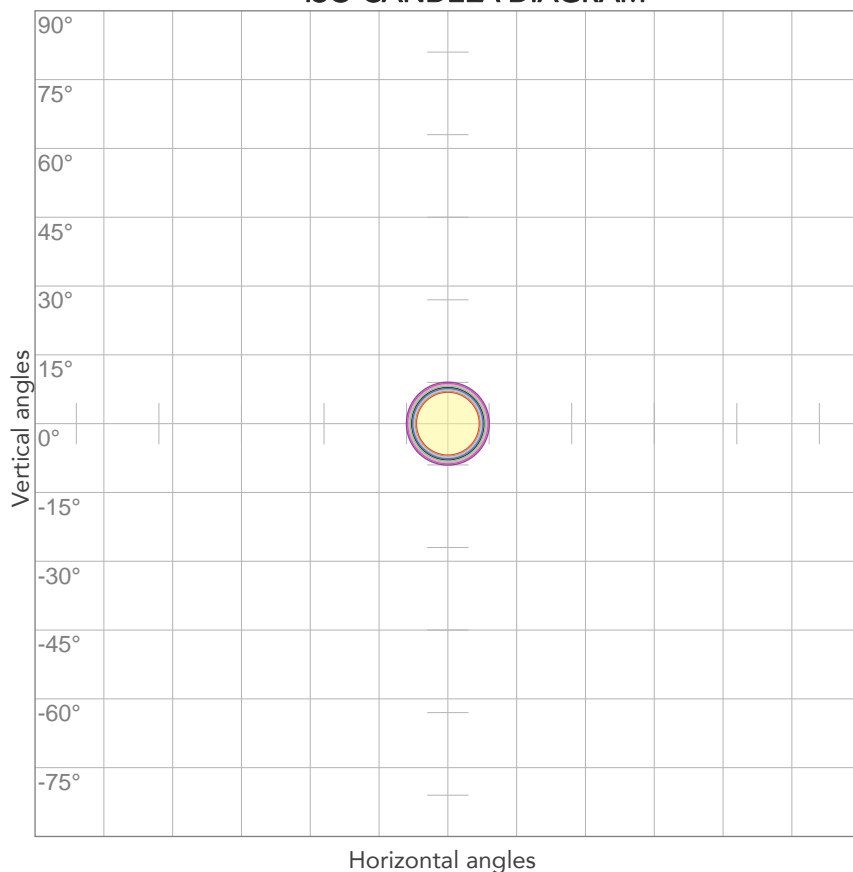
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,112A	12,1W	4lm/W

ISO CANDELA DIAGRAM



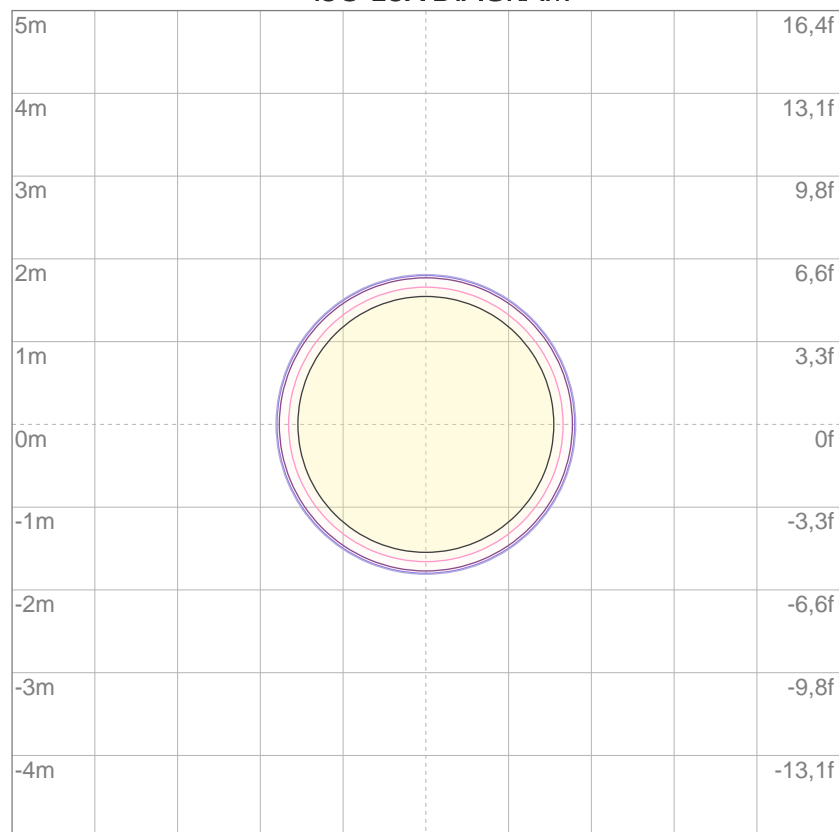
10%	59 cd
20%	119 cd
30%	178 cd
40%	237 cd
50%	296 cd
60%	356 cd
70%	415 cd
80%	474 cd

Conditions:

Number of c-planes: 2

Candela at center: 593 cd

ISO LUX DIAGRAM



3%	0,178 lx
5%	0,296 lx
10%	0,593 lx
30%	1,78 lx
50%	2,96 lx

Conditions:

Number of c-planes: 2

Lux at center: 5,93 lx

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



Total lumen output:

314 lm

Peak candela output:

1222 cd

PRODUCT NAME:

Gallery Ecl FC

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

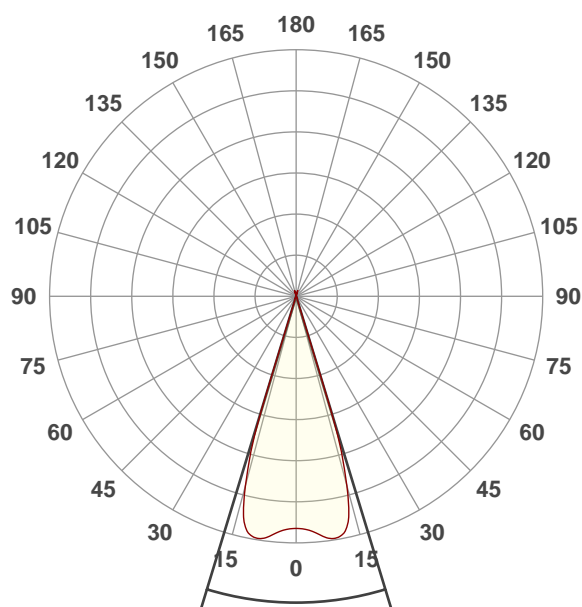
White

Operator:

Paolo Carvone

Date and time:

07/05/2020 10:39:32

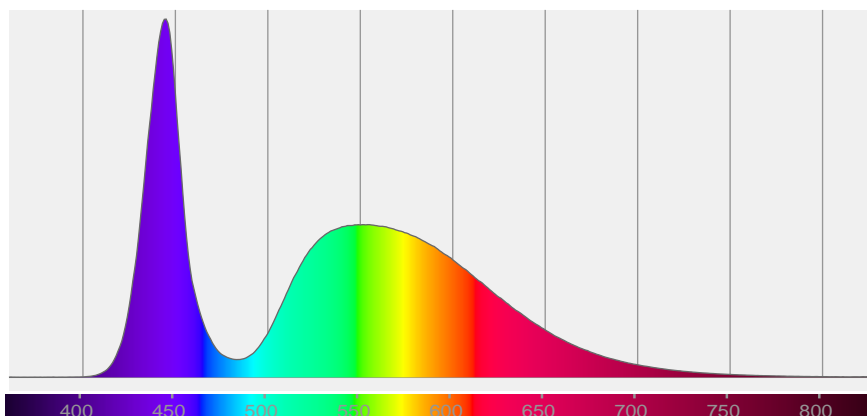


Beam angle 50%: 33,9°

Field angle 10%: 36,3°

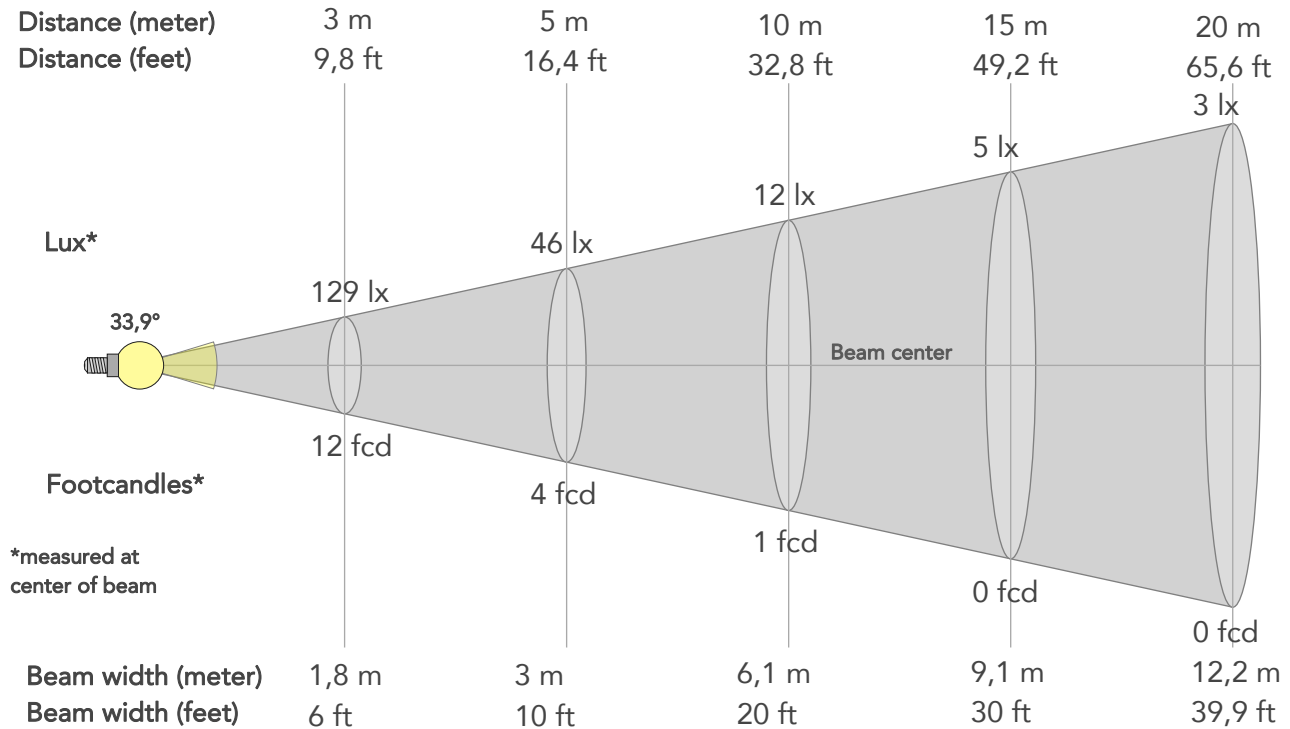
Cut off angle 2.5%: 36,8°

Spectra



BEAM DETAILS

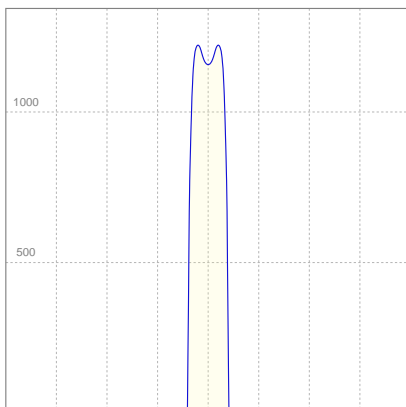
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,9°	36,3°	36,8°	99,5%	99,5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1158lx	289lx	129lx	72lx	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.	0,6m	1,2m	1,8m	2,4m	3m	4,6m	6,1m	9,1m	12,2m	15,2m	18,3m	24,4m	30,4m
Beam wid.	2ft	4ft	6ft	8ft	10ft	15ft	20ft	30ft	39,9ft	49,9ft	59,9ft	79,9ft	99,9ft

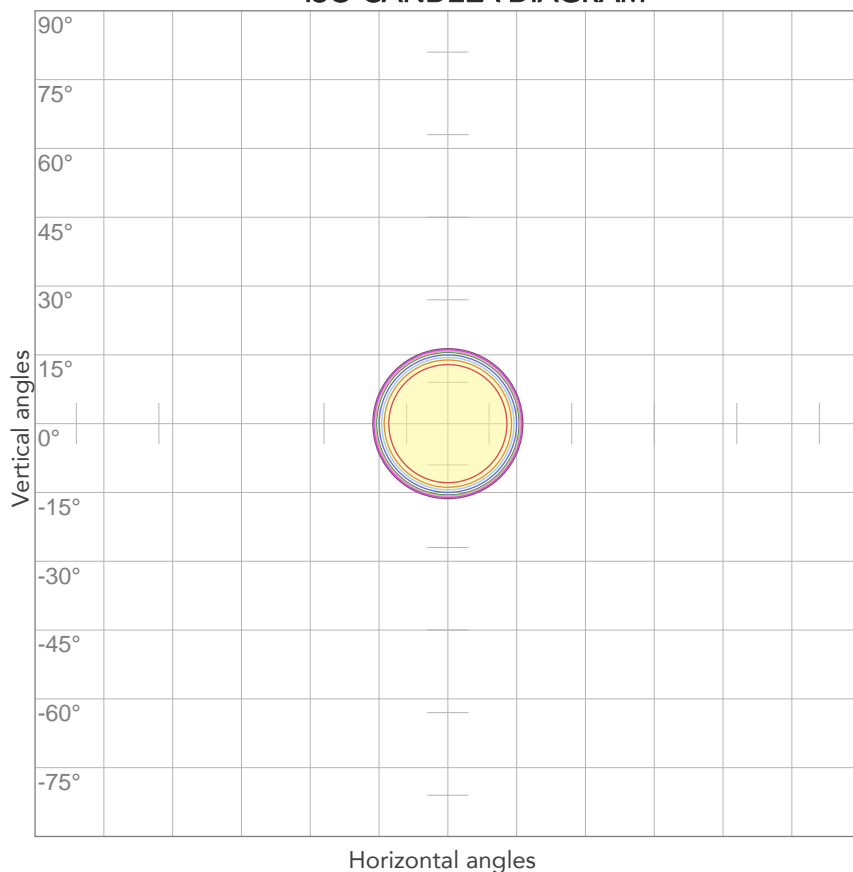
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,106A	12,2W	26lm/W

ISO CANDELA DIAGRAM



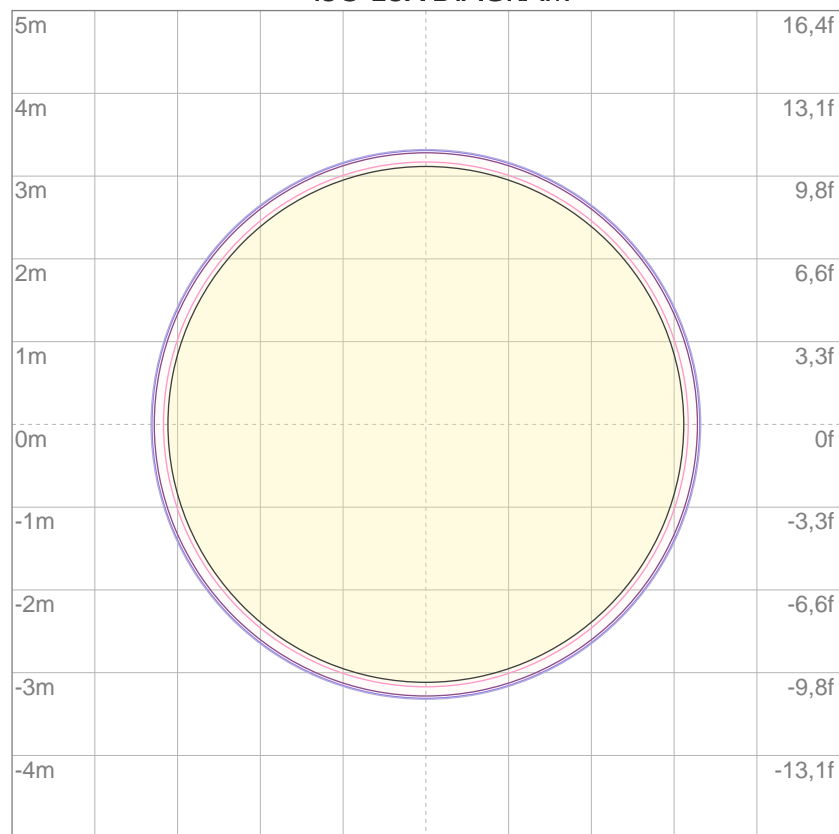
10%	116 cd
20%	232 cd
30%	347 cd
40%	463 cd
50%	579 cd
60%	695 cd
70%	811 cd
80%	926 cd

Conditions:

Number of c-planes: 2

Candela at center: 1158 cd

ISO LUX DIAGRAM



3%	0,347 lx
5%	0,579 lx
10%	1,16 lx
30%	3,47 lx
50%	5,79 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:

321 lm

Peak candela output:

4276 cd

PRODUCT NAME:

Gallery Ecl FC

MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

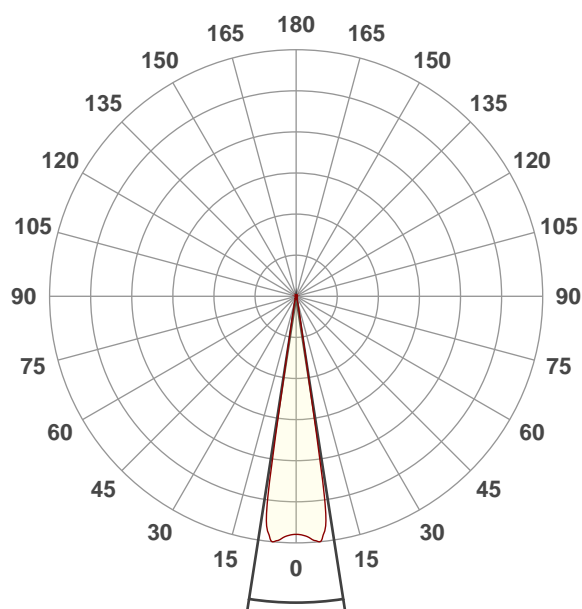
White

Operator:

Paolo Carvone

Date and time:

07/05/2020 10:41:26

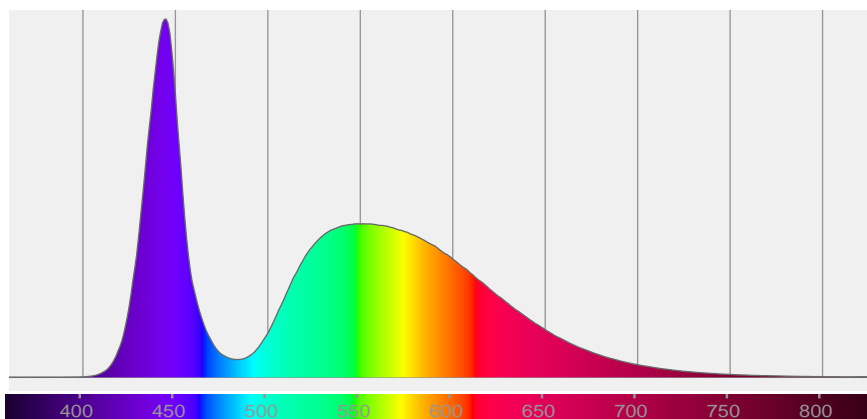


Beam angle 50%: 17,7°

Field angle 10%: 19,9°

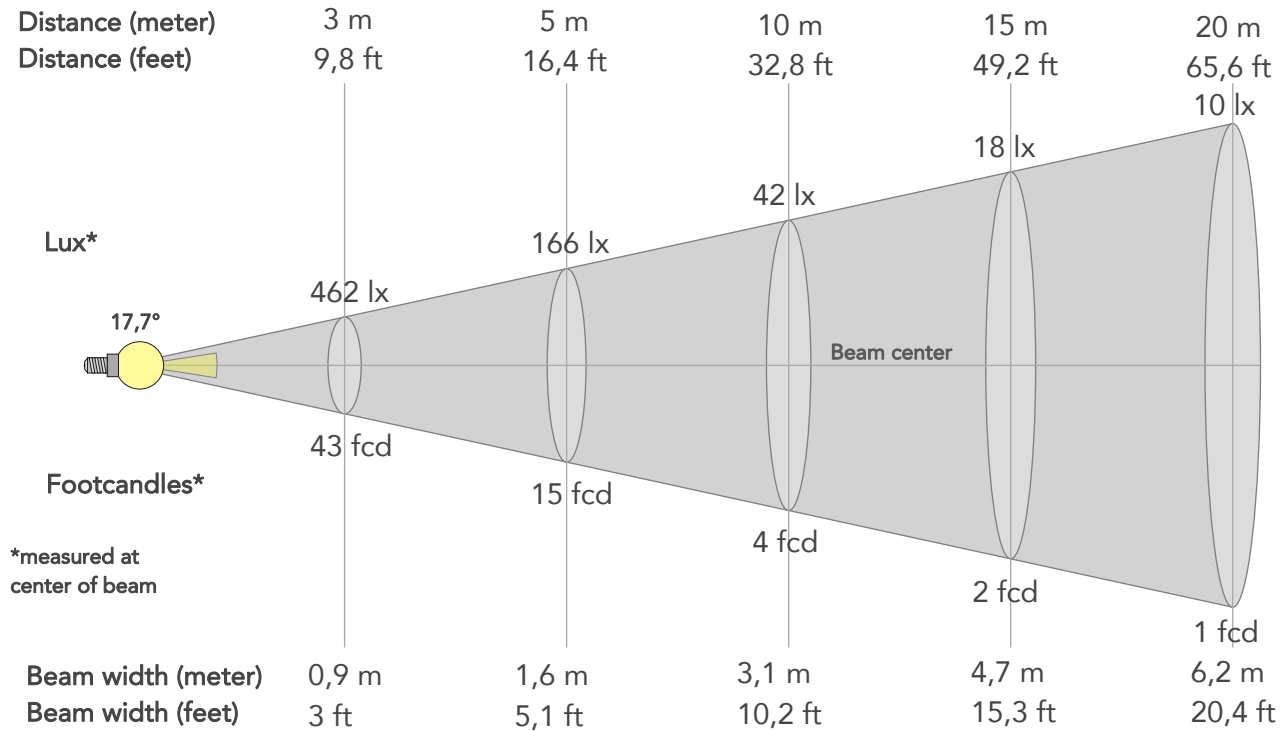
Cut off angle 2.5%: 22,5°

Spectra



BEAM DETAILS

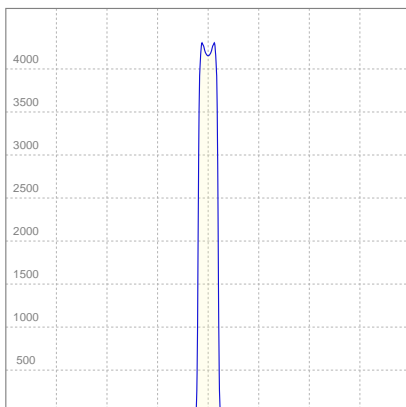
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,7°	19,9°	22,5°	99,5%	99,5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	4158lx	1040lx	462lx	260lx	166lx	74lx	42lx	18lx	10lx	7lx	5lx	3lx	2lx
Footcand.	386fcd	97fcd	43fcd	24fcd	15fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,6m	2,3m	3,1m	4,7m	6,2m	7,8m	9,3m	12,4m	15,6m
Beam wid.	1ft	2,1ft	3ft	4,1ft	5,1ft	7,7ft	10,2ft	15,3ft	20,4ft	25,5ft	30,6ft	40,8ft	51ft

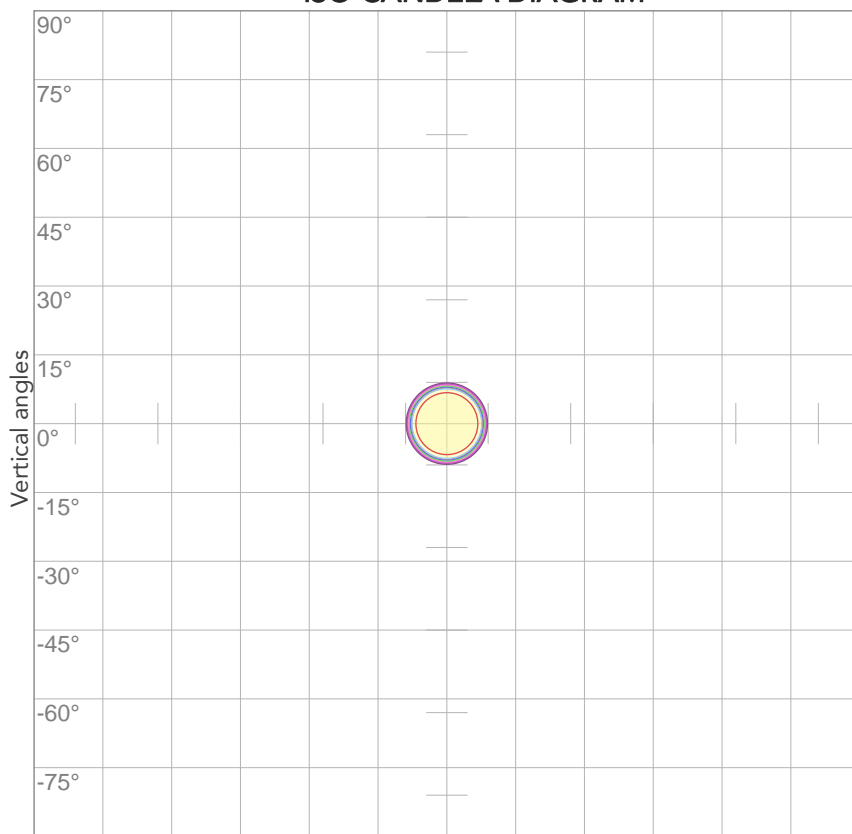
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,112A	12,1W	27lm/W

ISO CANDELA DIAGRAM



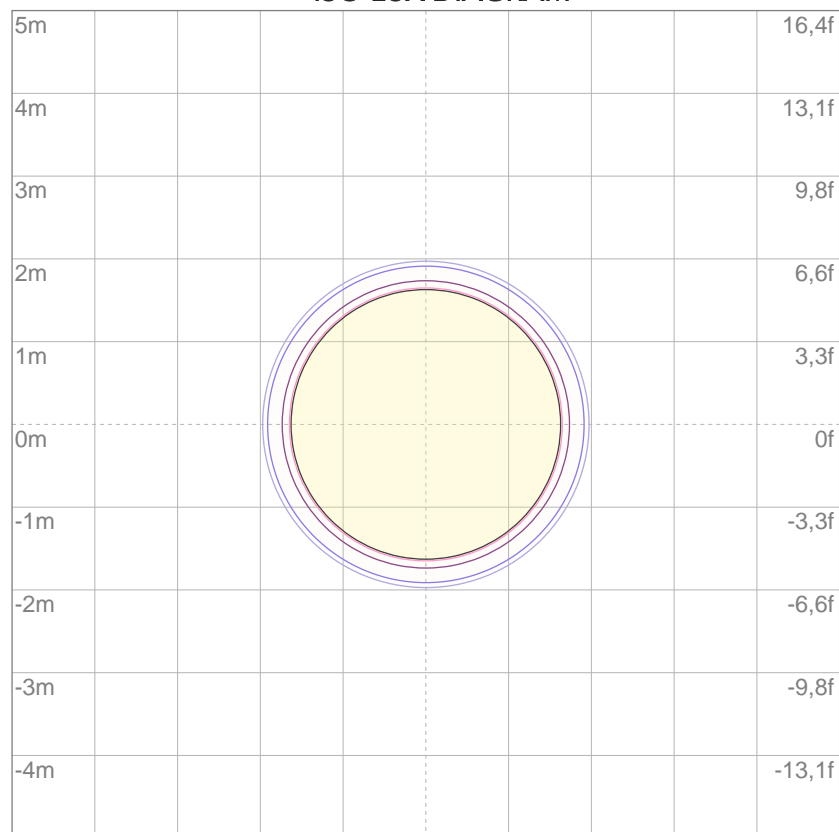
10%	416 cd
20%	832 cd
30%	1247 cd
40%	1663 cd
50%	2079 cd
60%	2495 cd
70%	2911 cd
80%	3326 cd

Conditions:

Number of c-planes: 2

Candela at center: 4158 cd

ISO LUX DIAGRAM



3%	1,25 lx
5%	2,08 lx
10%	4,16 lx
30%	12,5 lx
50%	20,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 41,6 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

379 lm

Peak candela output:

1460 cd

Light quality:

CRI: 56,2

Color temperature:

3025 K

PRODUCT NAME:

Gallery Ecl FC

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

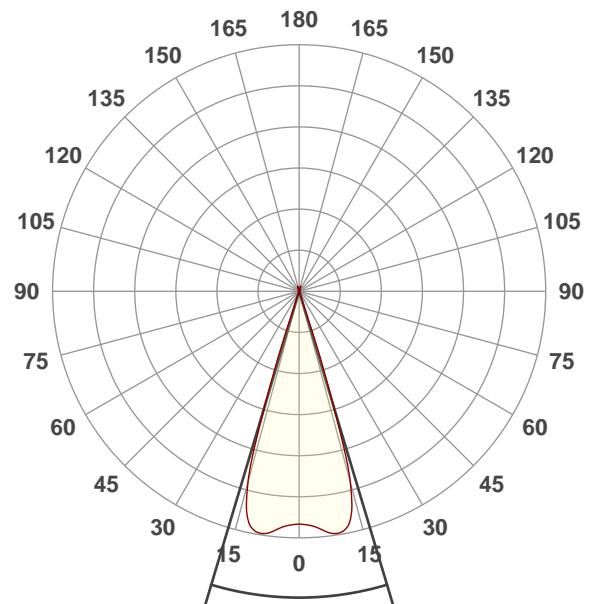
3000K

Operator:

Paolo Carvone

Date and time:

07/05/2020 11:07:46

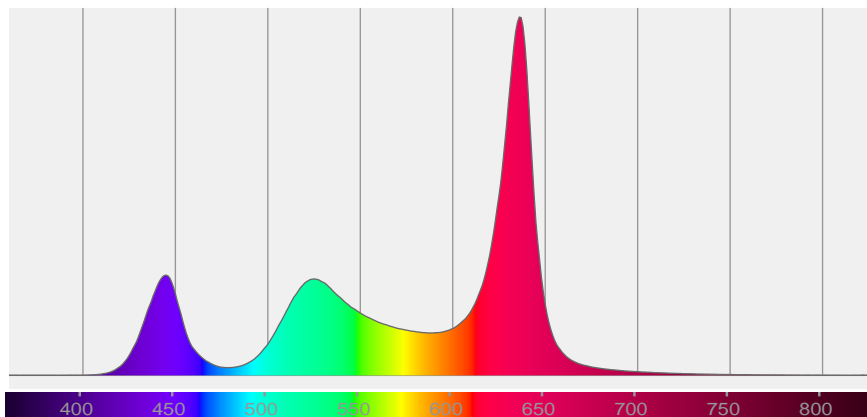


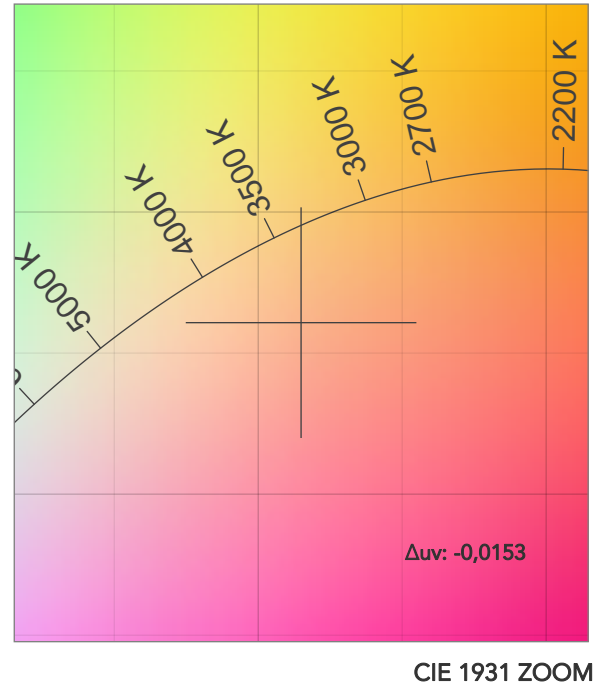
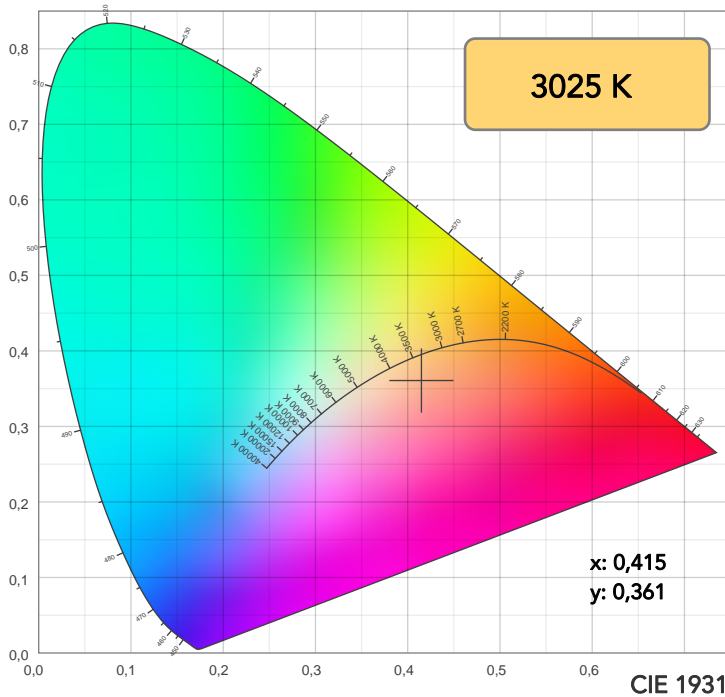
Beam angle 50%: 33,3°

Field angle 10%: 37,3°

Cut off angle 2.5%: 38,2°

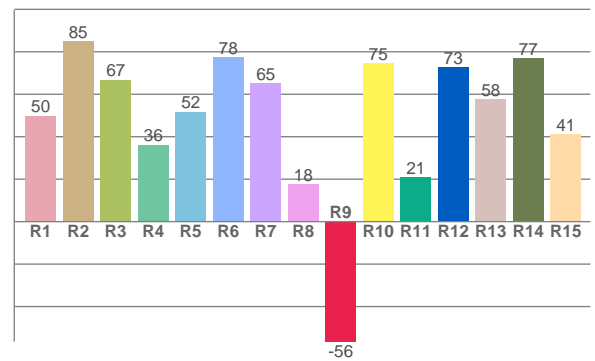
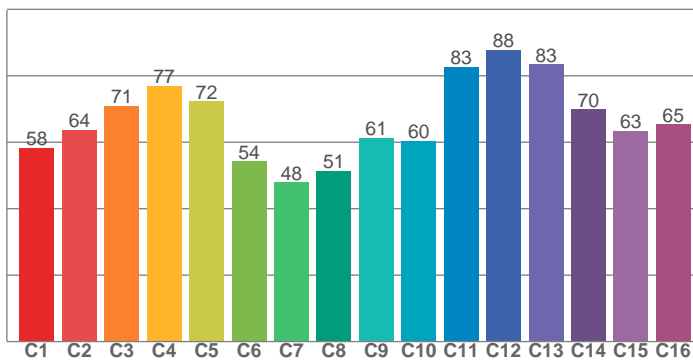
Spectra





TM30: 67,6

CRI: 56,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
49,9	84,8	66,9	36,2	51,8	77,5	65,1	17,7	-56,5	74,5	21,1	72,7	57,5	77,0	41,1

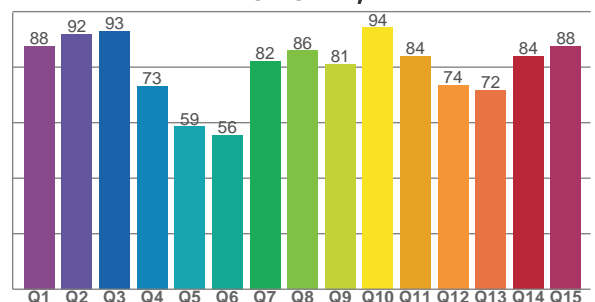
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
58,3	63,7	70,9	77,0	72,3	54,2	48,0	51,4	61,2	60,5	82,7	87,9	83,4	69,9	63,4	65,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87,5	91,9	92,9	73,1	58,6	55,6	82,3	85,9	81,2	94,3	83,9	73,6	71,8	83,9	87,6

CQS: 77,1



COLOR PARAMETERS

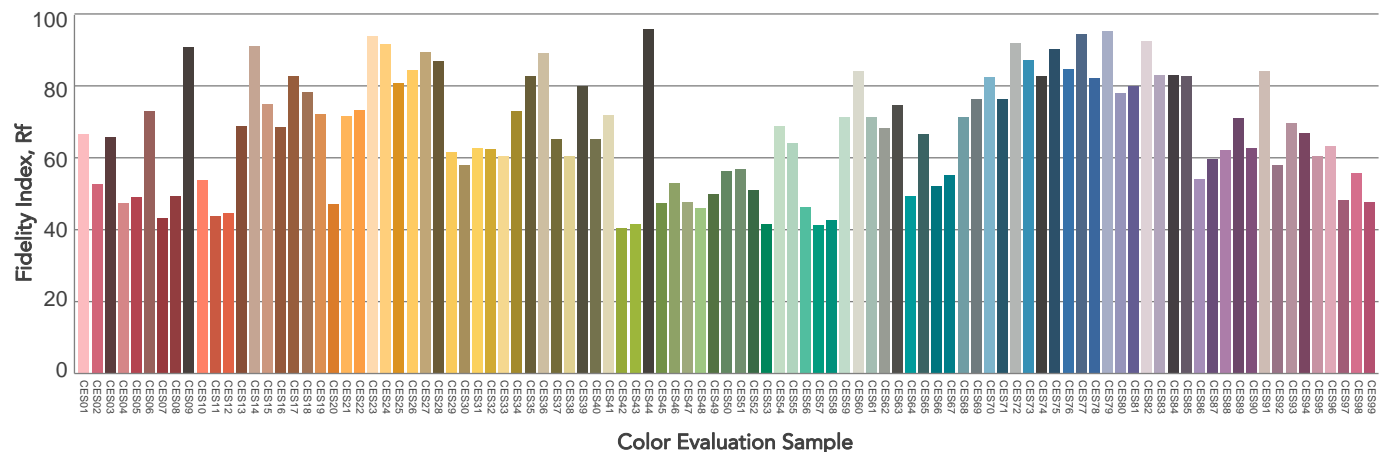
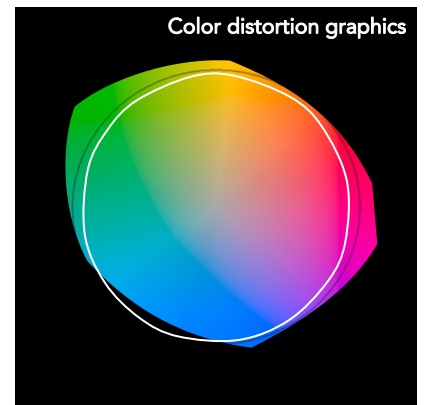
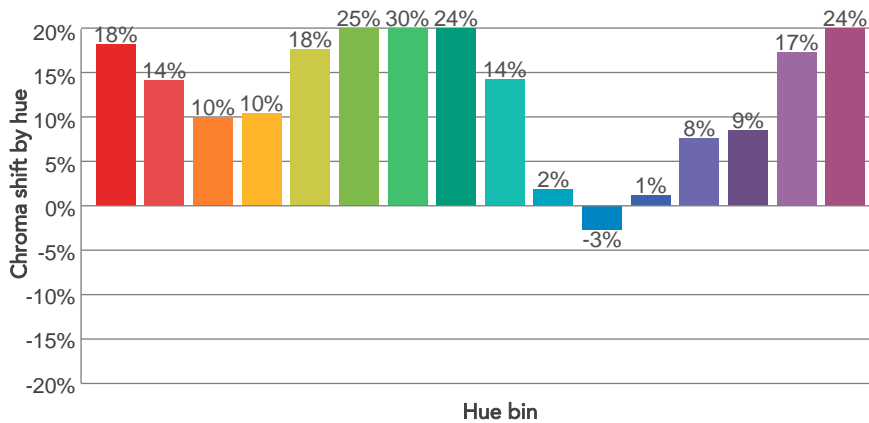
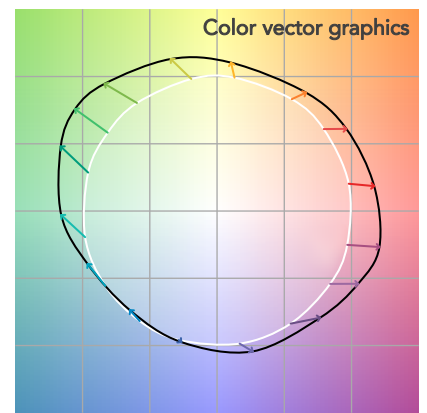
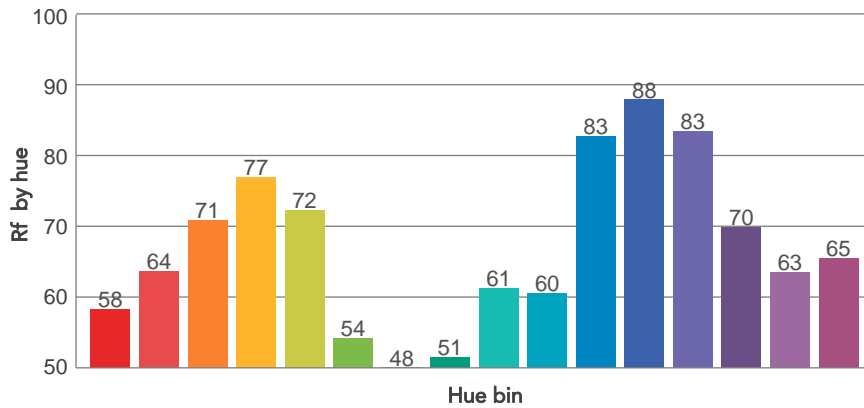
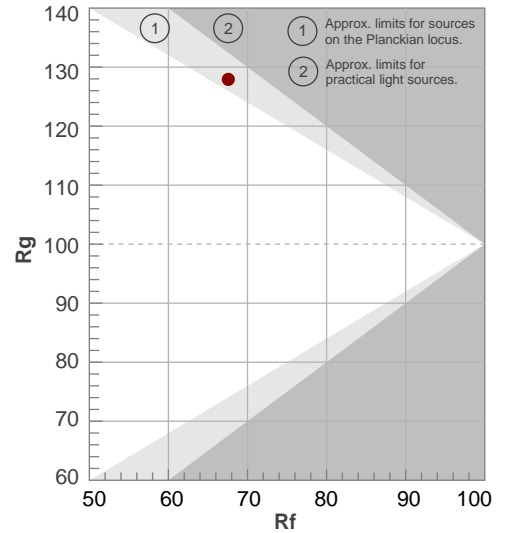
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3025 K	56,2	-56,5	67,6	127,9	77,1	38	0,415	0,361	-0,0153

TM30 DETAILS

Rf 67,6
Fidelity index Rf

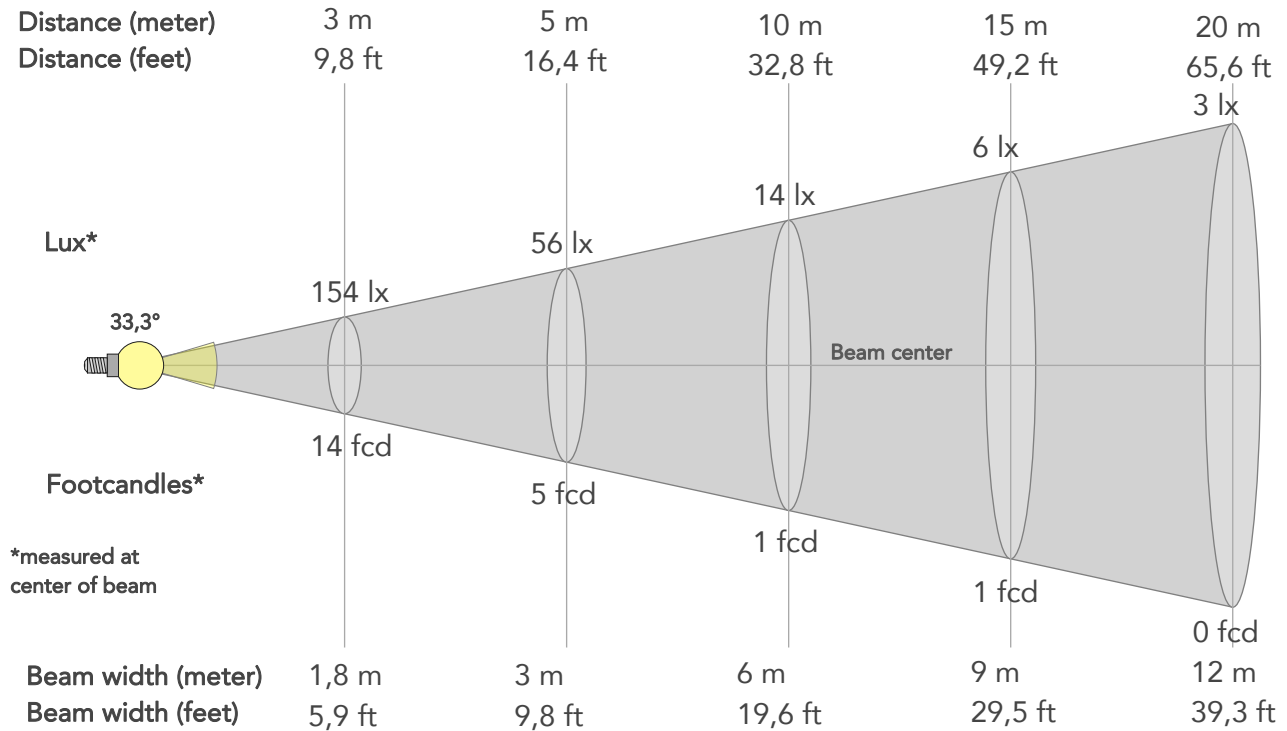
Rg 127,9
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	58	18%	-5%
2	64	14%	-9%
3	71	10%	-6%
4	77	10%	5%
5	72	18%	12%
6	54	25%	12%
7	48	30%	-1%
8	51	24%	-15%
9	61	14%	-20%
10	60	2%	-21%
11	83	-3%	-11%
12	88	1%	2%
13	83	8%	8%
14	70	9%	21%
15	63	17%	12%
16	65	24%	3%



BEAM DETAILS

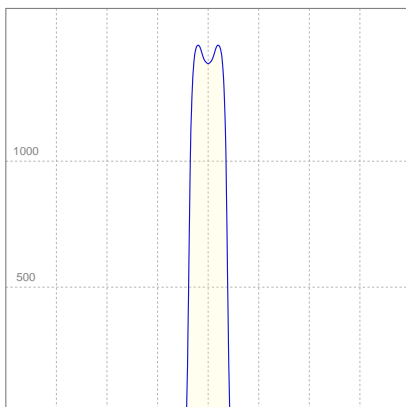
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,3°	37,3°	38,2°	99,4%	99,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1388lx	347lx	154lx	87lx	56lx	25lx	14lx	6lx	3lx	2lx	2lx	1lx	1lx
Footcand.	129fcd	32fcd	14fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	29,9m
Beam wid.	2ft	4ft	5,9ft	7,8ft	9,8ft	14,7ft	19,6ft	29,5ft	39,3ft	49,1ft	58,9ft	78,6ft	98,2ft

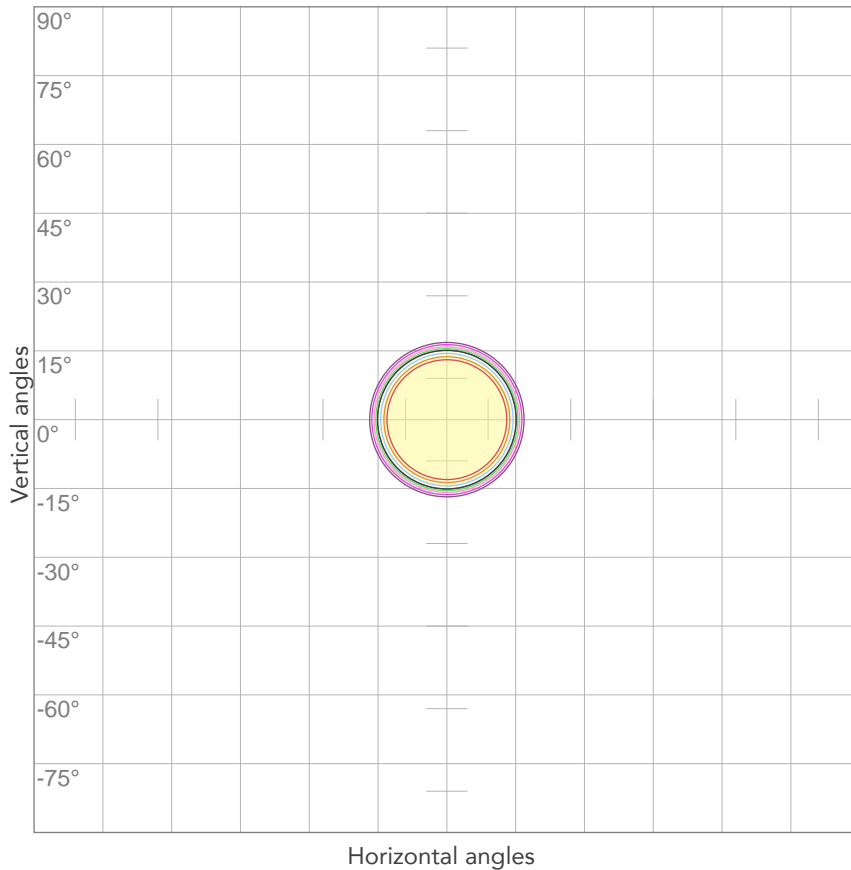
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,117A	23,9W	16lm/W

ISO CANDELA DIAGRAM



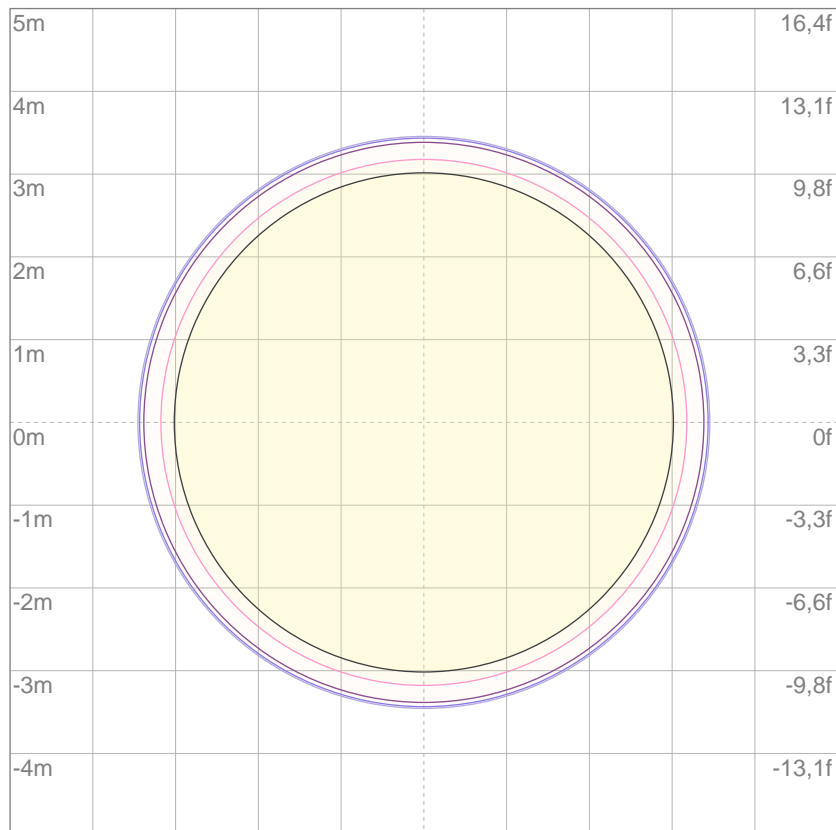
10%	139 cd
20%	278 cd
30%	416 cd
40%	555 cd
50%	694 cd
60%	833 cd
70%	971 cd
80%	1110 cd

Conditions:

Number of c-planes: 2

Candela at center: 1388 cd

ISO LUX DIAGRAM



3%	0,416 lx
5%	0,694 lx
10%	1,39 lx
30%	4,16 lx
50%	6,94 lx

Conditions:

Number of c-planes: 2

Lux at center: 13,9 lx

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



Total lumen output:

390 lm

Peak candela output:

5185 cd

Light quality:

CRI: 56,1

Color temperature:

2987 K

PRODUCT NAME:

Gallery Ecl FC

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

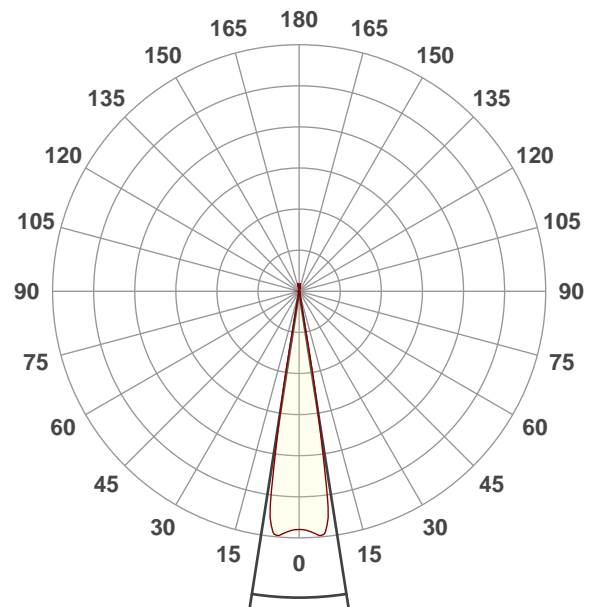
3000K

Operator:

Paolo Carvone

Date and time:

07/05/2020 10:55:00

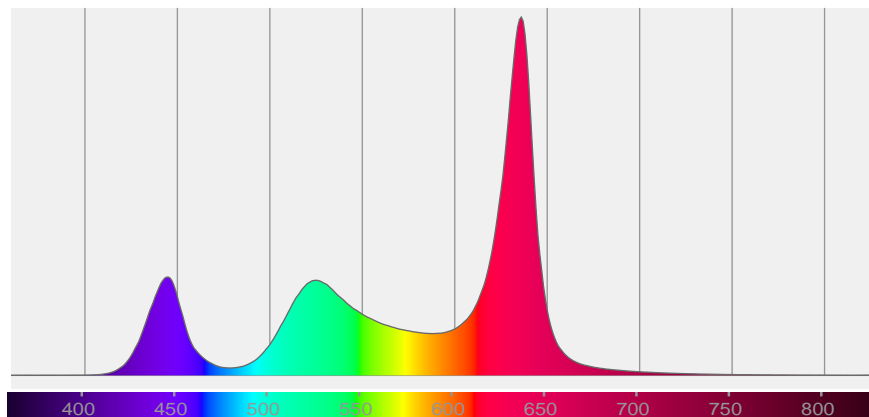


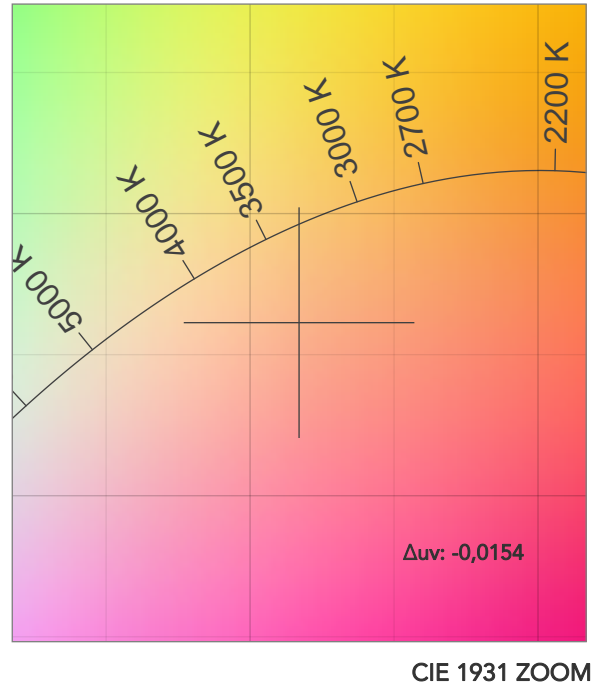
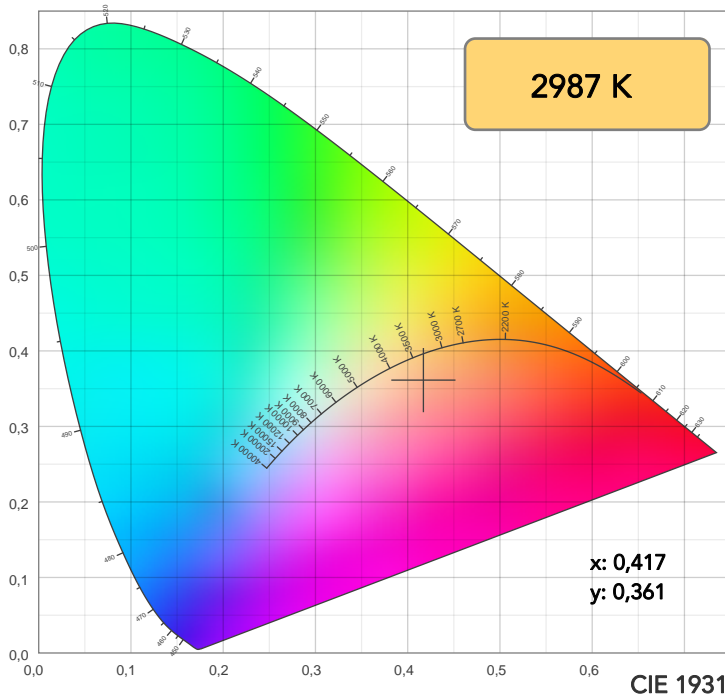
Beam angle 50%: 17,8°

Field angle 10%: 20,4°

Cut off angle 2.5%: 20,9°

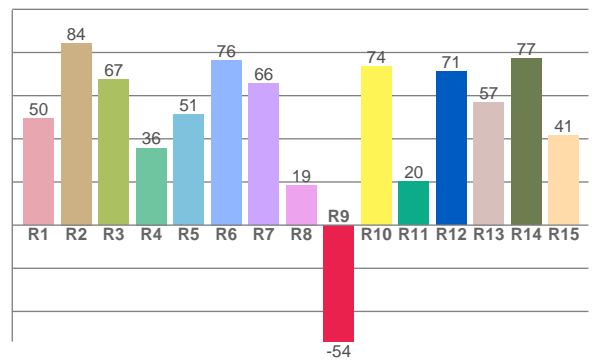
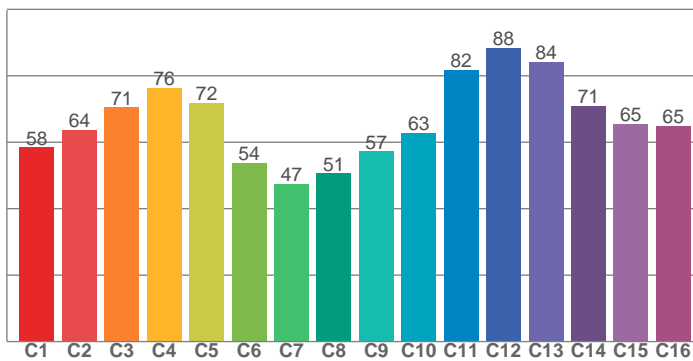
Spectra





TM30: 67,4

CRI: 56,1 (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
49,5	84,4	67,4	35,8	51,2	76,5	65,6	18,6	-54,0	73,7	20,2	71,1	57,1	77,3	41,4

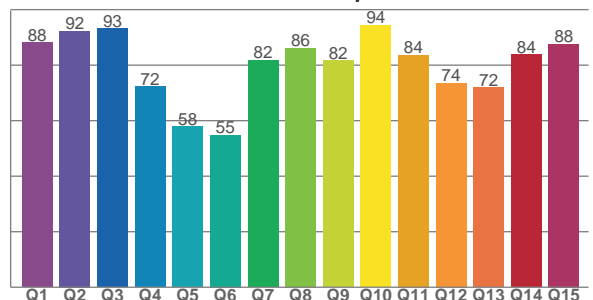
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
58,5	63,6	70,6	76,4	71,9	53,8	47,4	50,6	57,2	62,8	81,8	88,4	84,1	70,9	65,5	64,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88,2	92,2	93,2	72,3	57,8	54,8	81,8	86,2	81,6	94,4	83,7	73,5	71,9	83,8	87,6

CQS: 76,8



COLOR PARAMETERS

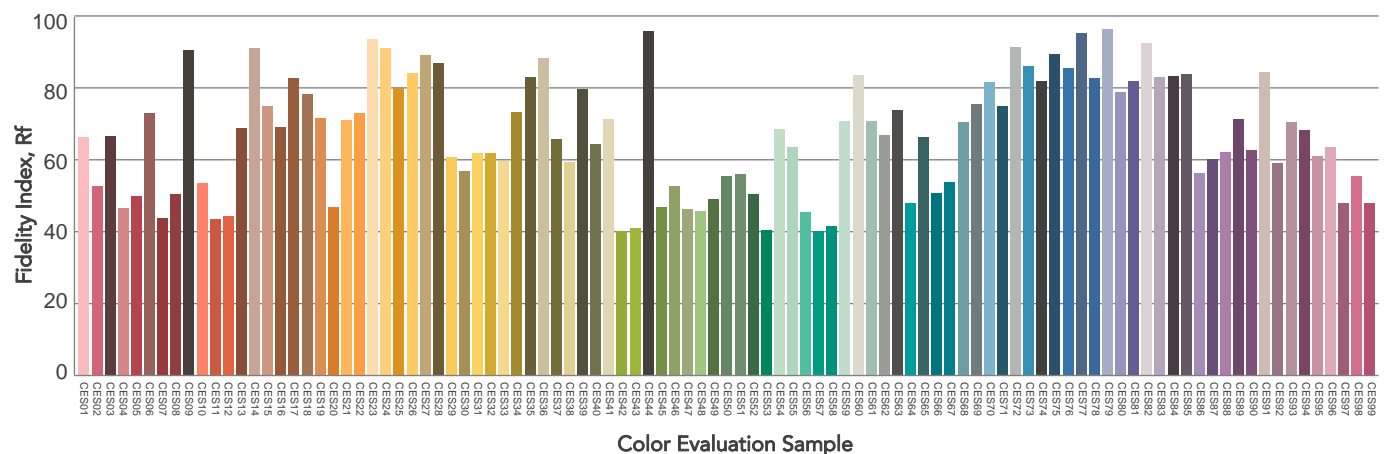
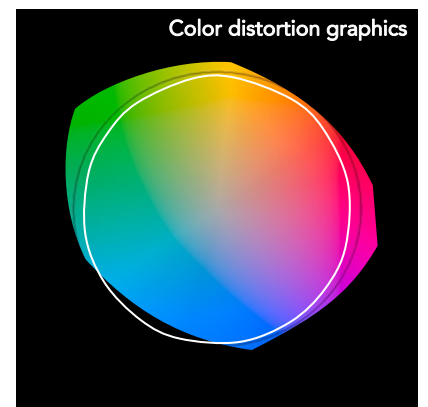
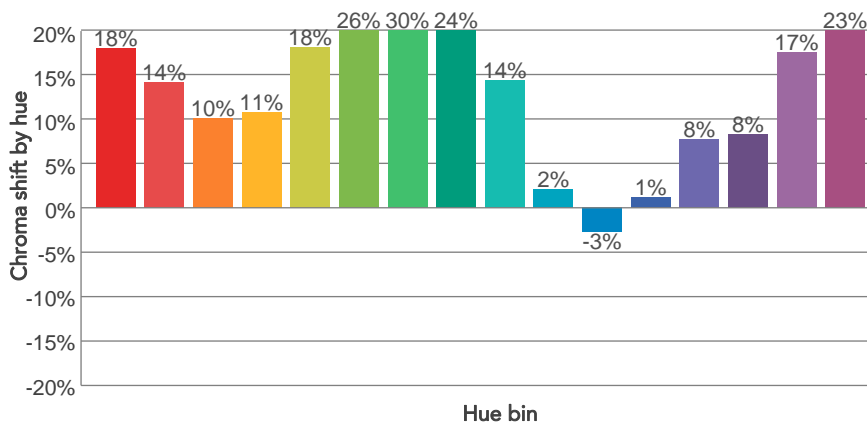
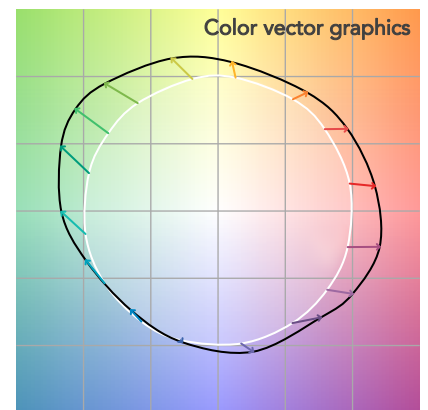
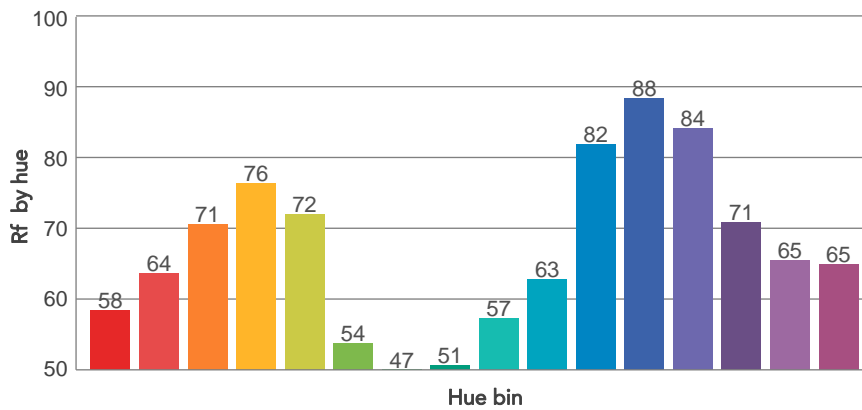
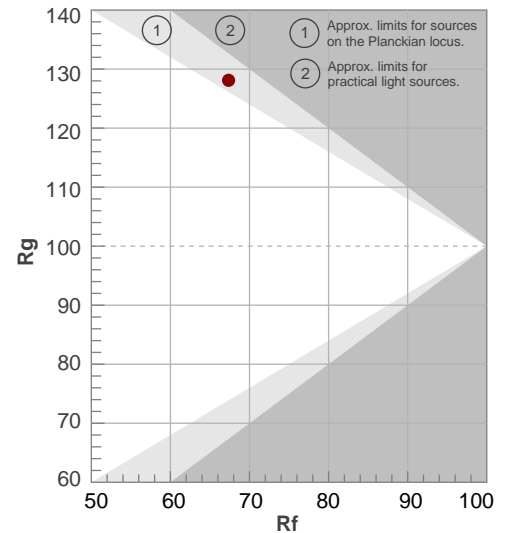
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2987 K	56,1	-54,0	67,4	128,1	76,8	38	0,417	0,361	-0,0154

TM30 DETAILS

Rf 67,4
Fidelity index Rf

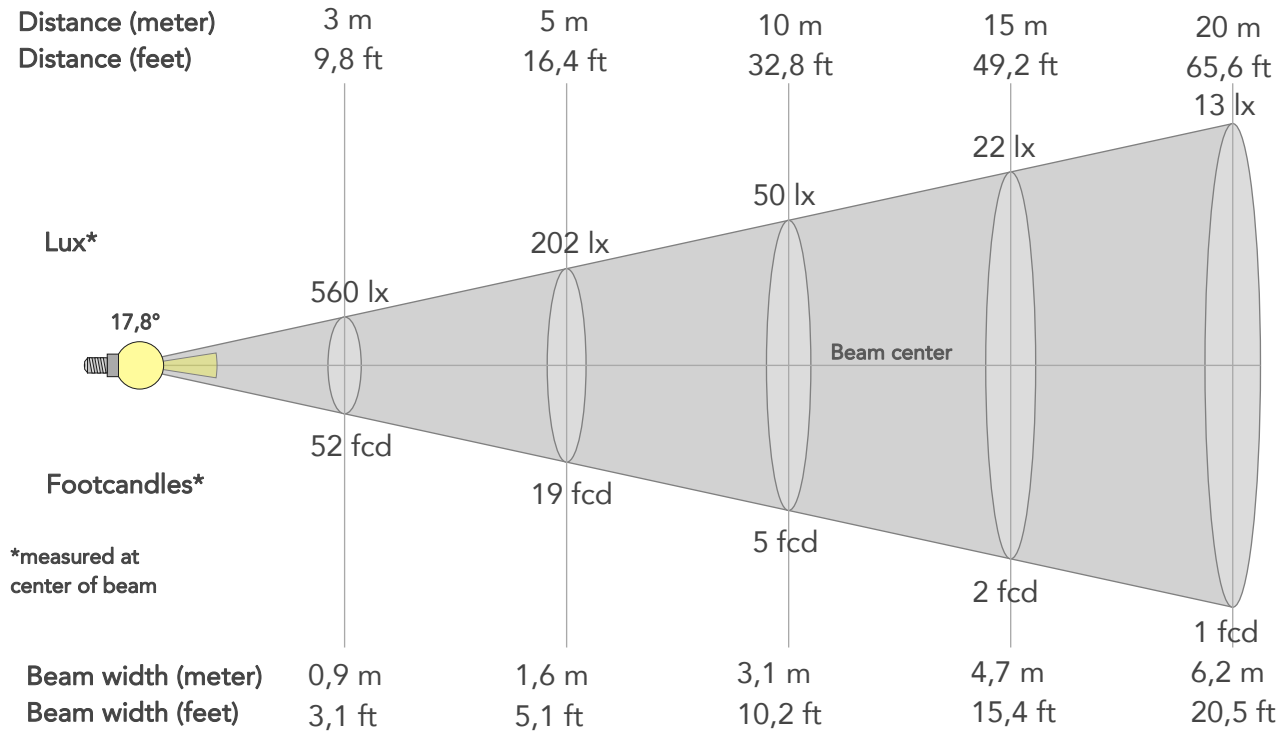
Rg 128,1
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	58	18%	-5%
2	64	14%	-9%
3	71	10%	-6%
4	76	11%	5%
5	72	18%	12%
6	54	26%	12%
7	47	30%	-1%
8	51	24%	-15%
9	57	14%	-20%
10	63	2%	-22%
11	82	-3%	-11%
12	88	1%	1%
13	84	8%	8%
14	71	8%	20%
15	65	17%	8%
16	65	23%	5%



BEAM DETAILS

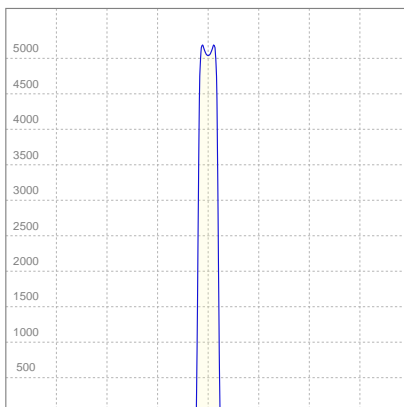
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,8°	20,4°	20,9°	99,5%	99,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5044lx	1261lx	560lx	315lx	202lx	90lx	50lx	22lx	13lx	8lx	6lx	3lx	2lx
Footcand.	469fcd	117fcd	52fcd	29fcd	19fcd	8fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,6m	2,3m	3,1m	4,7m	6,2m	7,8m	9,4m	12,5m	15,6m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,1ft	7,7ft	10,2ft	15,4ft	20,5ft	25,6ft	30,7ft	41ft	51,2ft

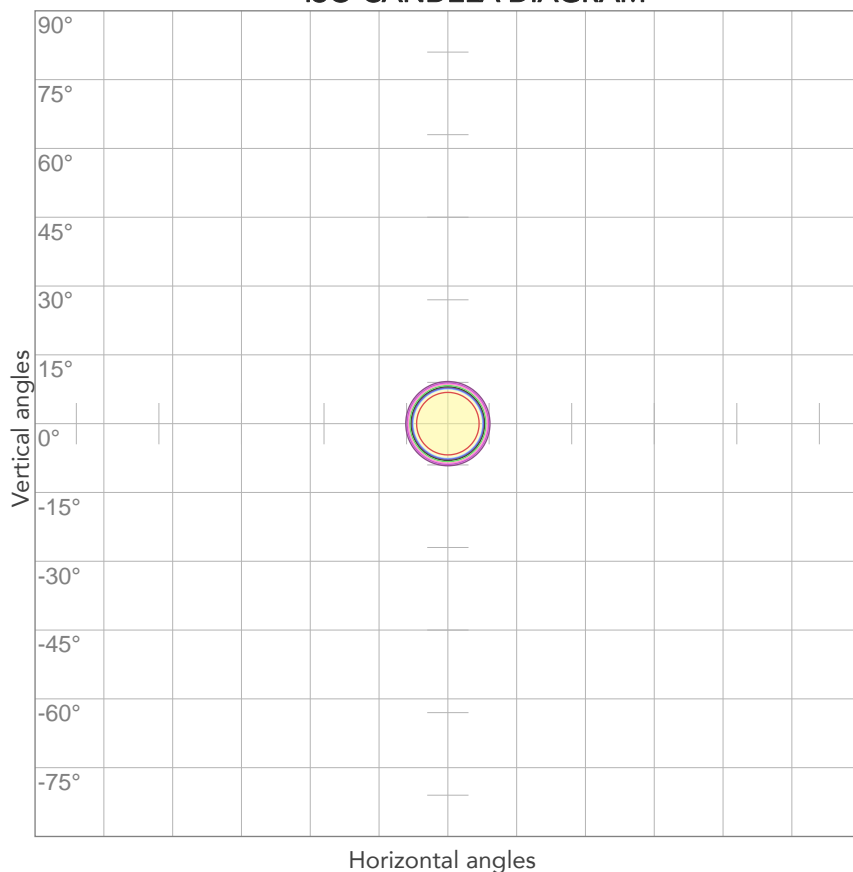
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,117A	23,9W	16lm/W

ISO CANDELA DIAGRAM



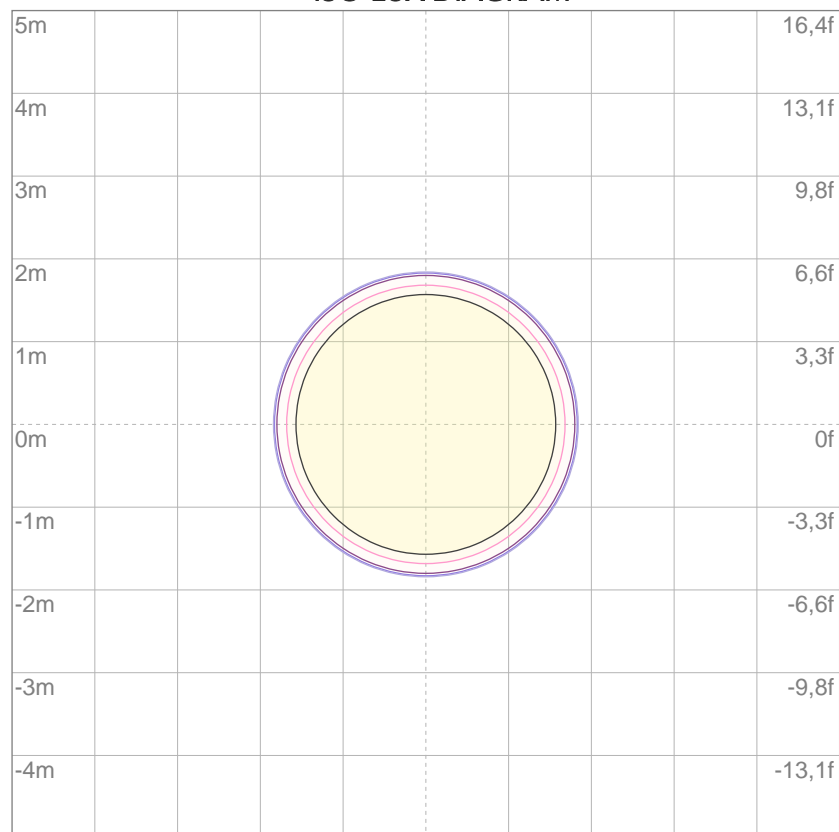
10%	504 cd
20%	1009 cd
30%	1513 cd
40%	2018 cd
50%	2522 cd
60%	3027 cd
70%	3531 cd
80%	4035 cd

Conditions:

Number of c-planes: 2

Candela at center: 5044 cd

ISO LUX DIAGRAM



3%	1,51 lx
5%	2,52 lx
10%	5,04 lx
30%	15,1 lx
50%	25,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 50,4 lx

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



Total lumen output:

500 lm

Peak candela output:

1935 cd

Light quality:

CRI: 67,7

Color temperature:

3724 K

PRODUCT NAME:

Gallery Ecl FC

MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

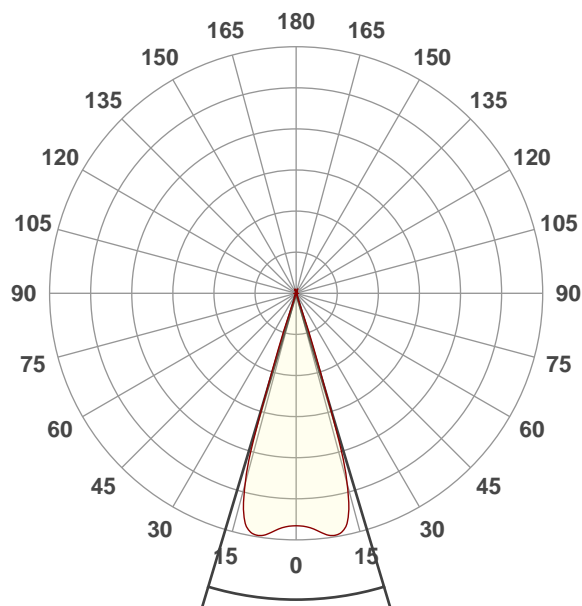
4000K

Operator:

Paolo Carvone

Date and time:

07/05/2020 11:05:54

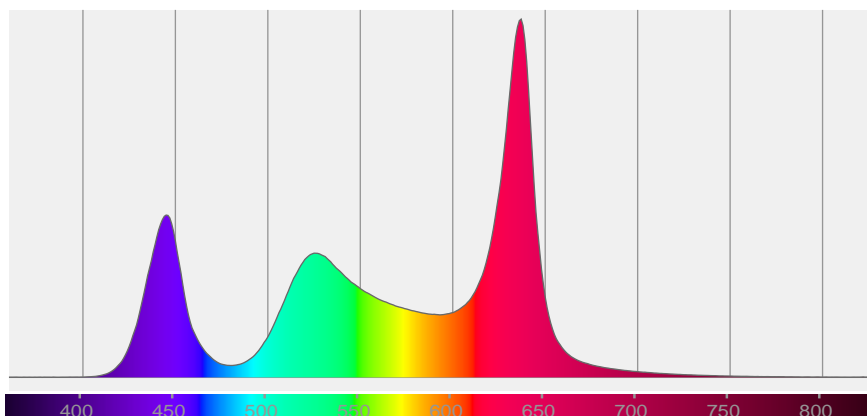


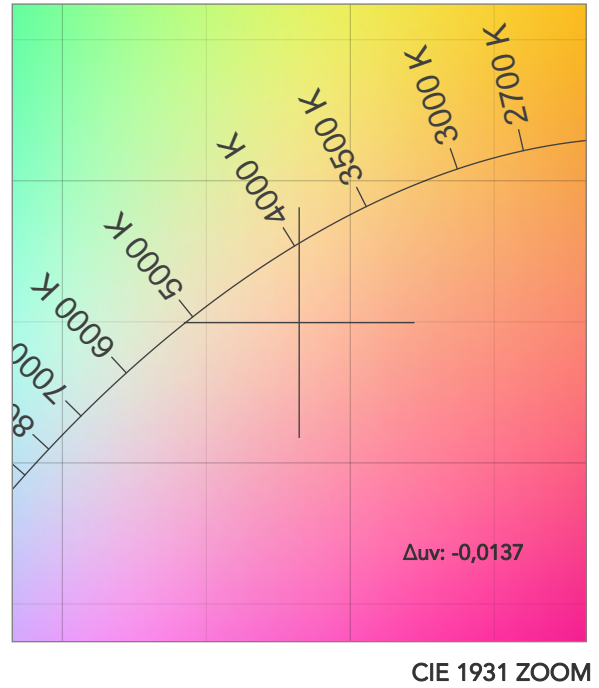
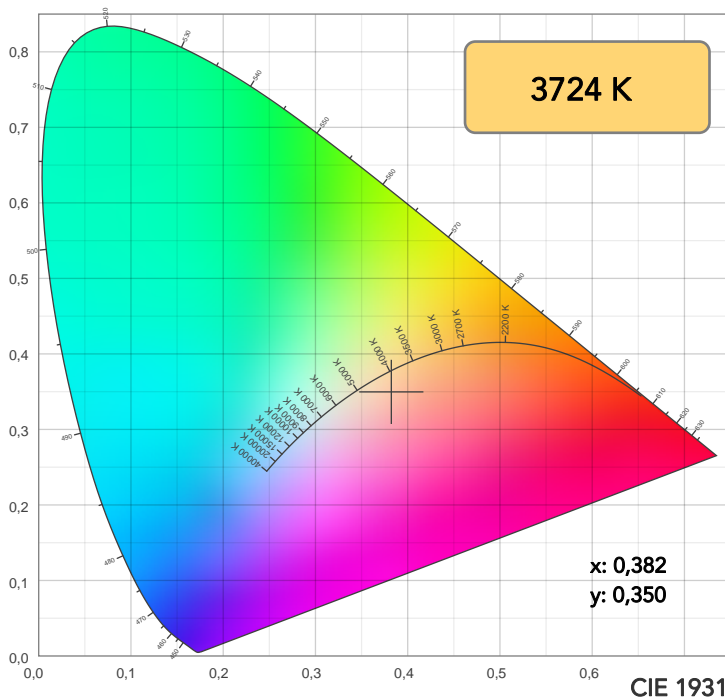
Beam angle 50%: 33,3°

Field angle 10%: 37,3°

Cut off angle 2.5%: 38,4°

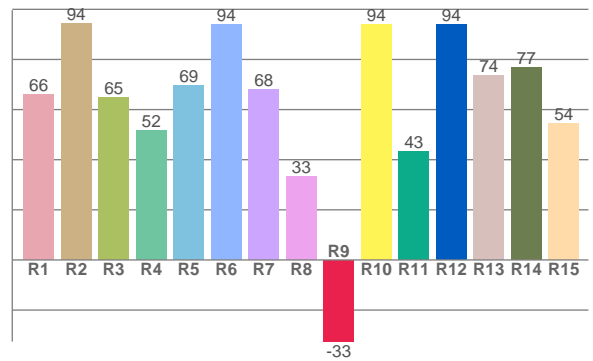
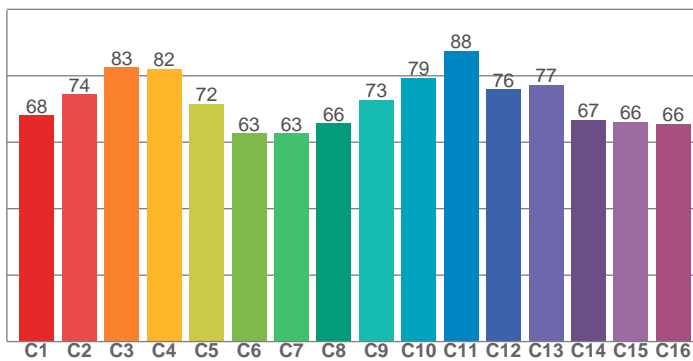
Spectra





TM30: 73,3

CRI: 67,7 (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
65,9	94,2	64,7	51,7	69,5	94,0	68,2	33,5	-32,6	93,8	43,5	94,1	73,7	76,8	54,5

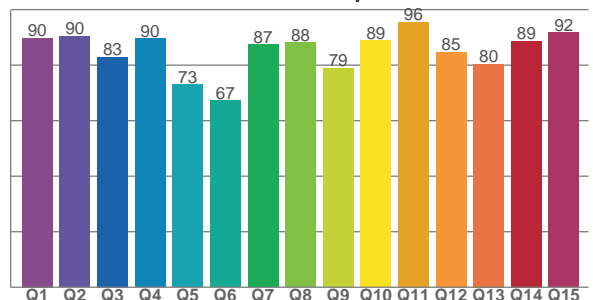
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
68,1	74,4	82,6	82,1	71,5	62,6	62,7	65,6	72,8	79,4	87,5	75,9	77,2	66,8	66,2	65,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
89,8	90,4	82,9	89,5	73,0	67,2	87,4	88,2	79,0	88,9	95,6	84,8	80,4	88,7	91,7

CQS: 83,5



COLOR PARAMETERS

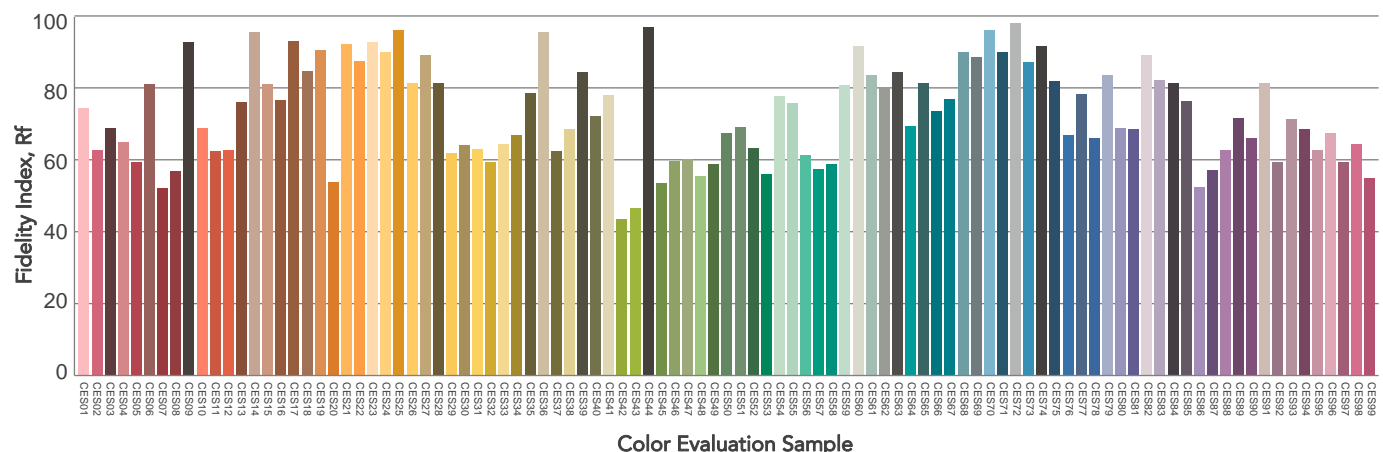
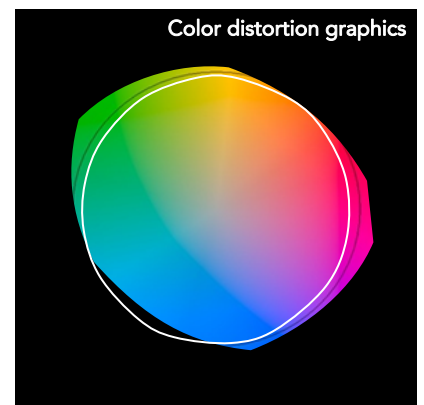
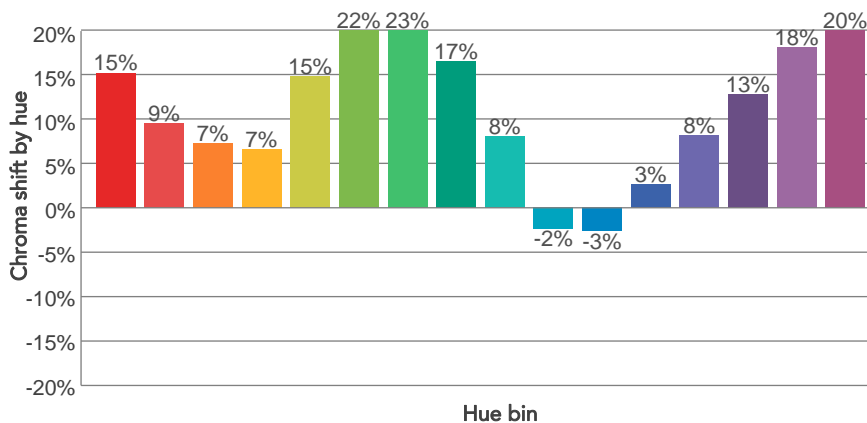
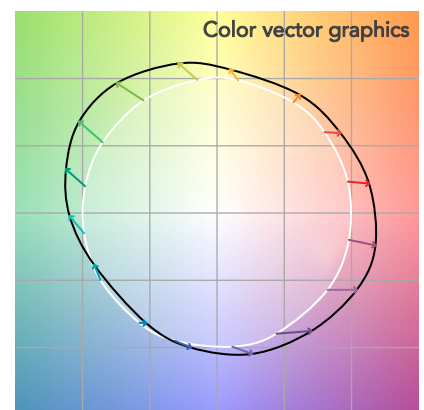
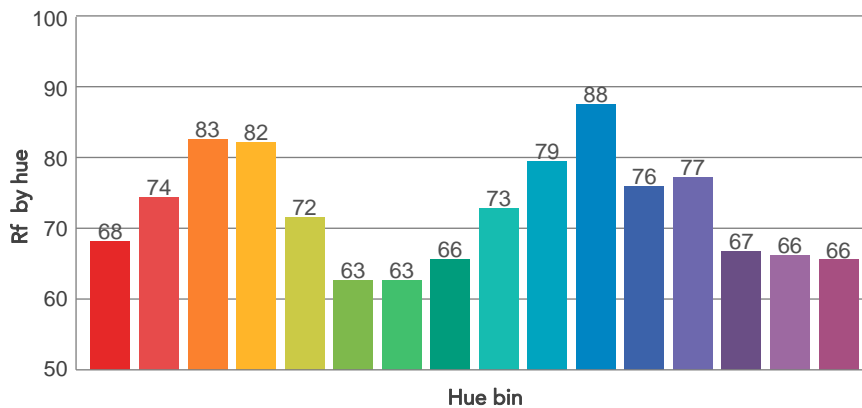
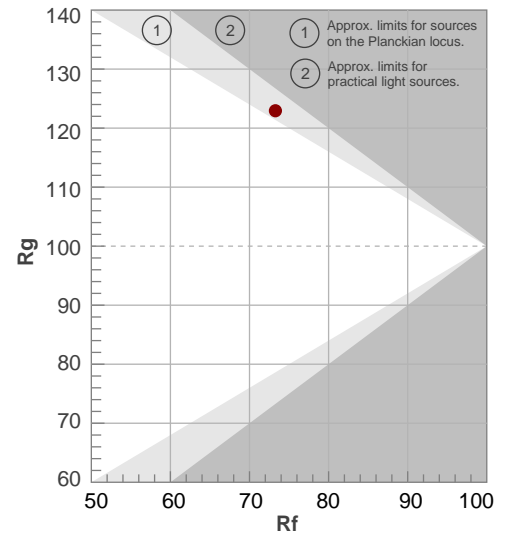
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3724 K	67,7	-32,6	73,3	122,9	83,5	53	0,382	0,350	-0,0137

TM30 DETAILS

Rf 73,3
Fidelity index Rf

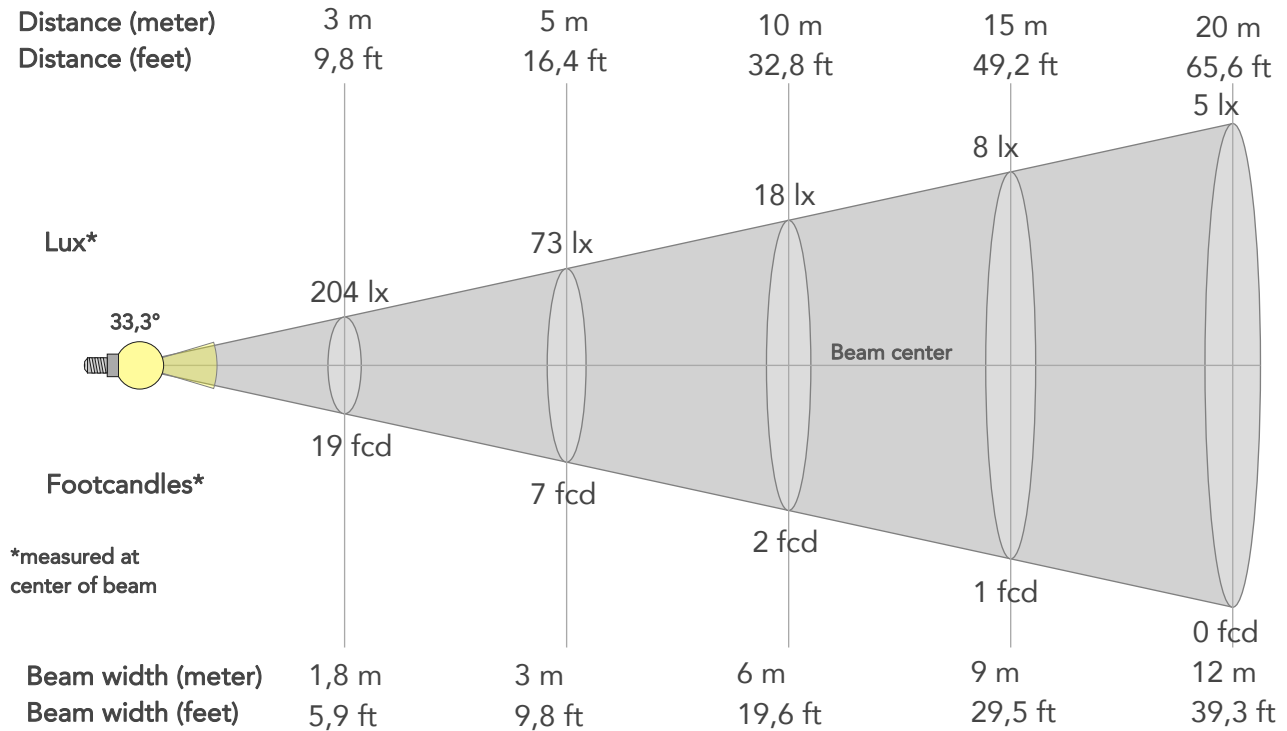
Rg 122,9
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	68	15%	-4%
2	74	9%	-7%
3	83	7%	-1%
4	82	7%	8%
5	72	15%	11%
6	63	22%	9%
7	63	23%	-3%
8	66	17%	-10%
9	73	8%	-15%
10	79	-2%	-12%
11	88	-3%	4%
12	76	3%	12%
13	77	8%	13%
14	67	13%	23%
15	66	18%	12%
16	66	20%	0%



BEAM DETAILS

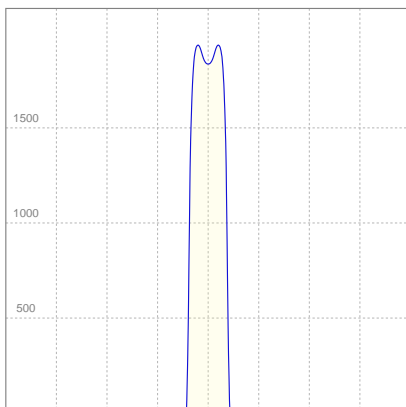
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,3°	37,3°	38,4°	99,5%	99,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1836lx	459lx	204lx	115lx	73lx	33lx	18lx	8lx	5lx	3lx	2lx	1lx	1lx
Footcand.	171fcd	43fcd	19fcd	11fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30m
Beam wid.	2ft	4ft	5,9ft	7,8ft	9,8ft	14,7ft	19,6ft	29,5ft	39,3ft	49,1ft	58,9ft	78,6ft	98,2ft

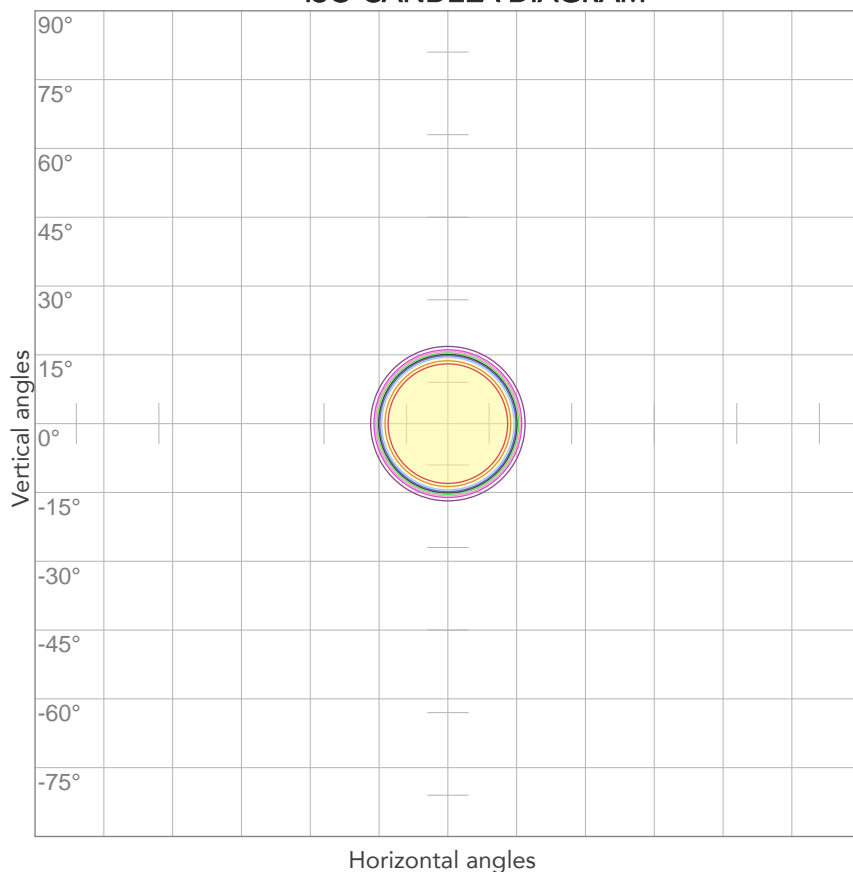
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,135A	28,6W	17lm/W

ISO CANDELA DIAGRAM



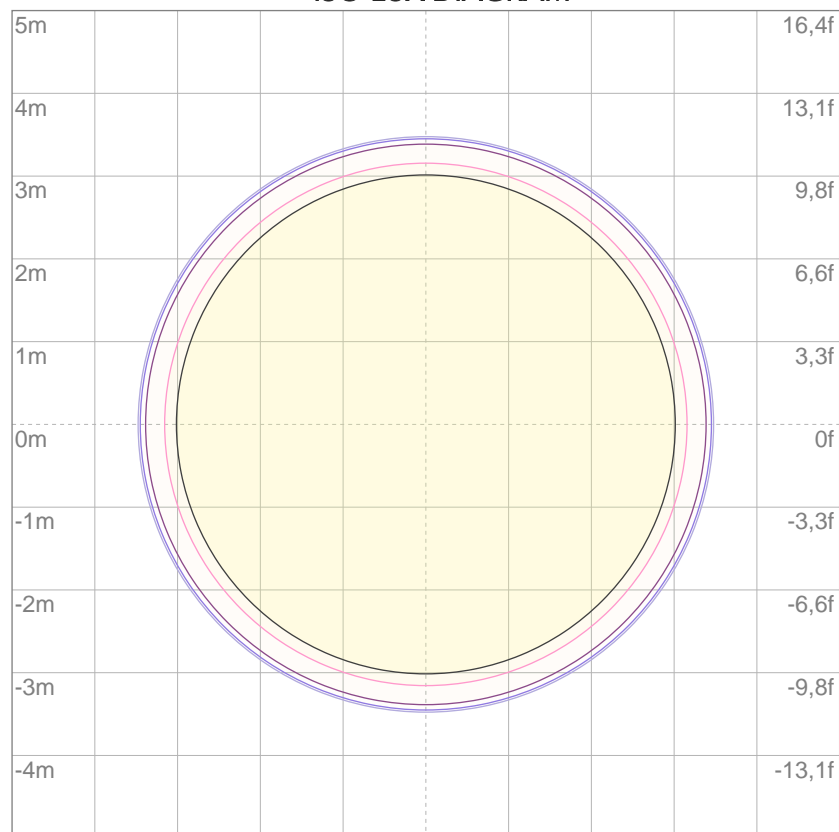
10%	184 cd
20%	367 cd
30%	551 cd
40%	735 cd
50%	918 cd
60%	1102 cd
70%	1286 cd
80%	1469 cd

Conditions:

Number of c-planes: 2

Candela at center: 1836 cd

ISO LUX DIAGRAM



3%	0,551 lx
5%	0,918 lx
10%	1,84 lx
30%	5,51 lx
50%	9,18 lx

Conditions:

Number of c-planes: 2

Lux at center: 18,4 lx

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



Total lumen output:

512 lm

Peak candela output:

6855 cd

Light quality:

CRI: 67,7

Color temperature:

3677 K

PRODUCT NAME:

Gallery Ecl FC

MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

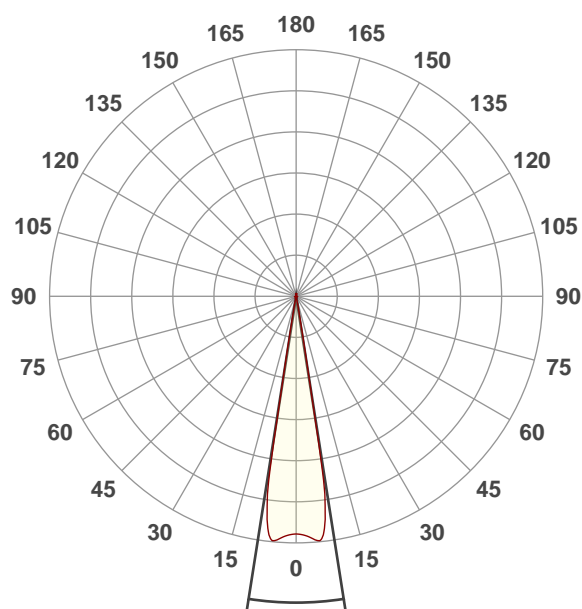
4000K

Operator:

Paolo Carvone

Date and time:

07/05/2020 10:56:55

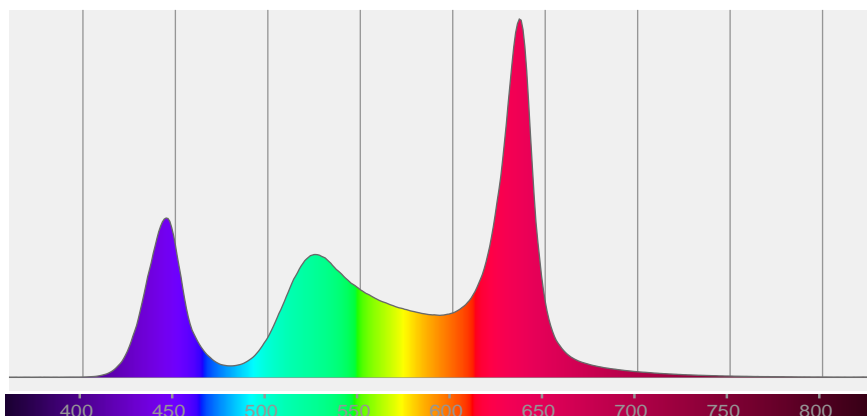


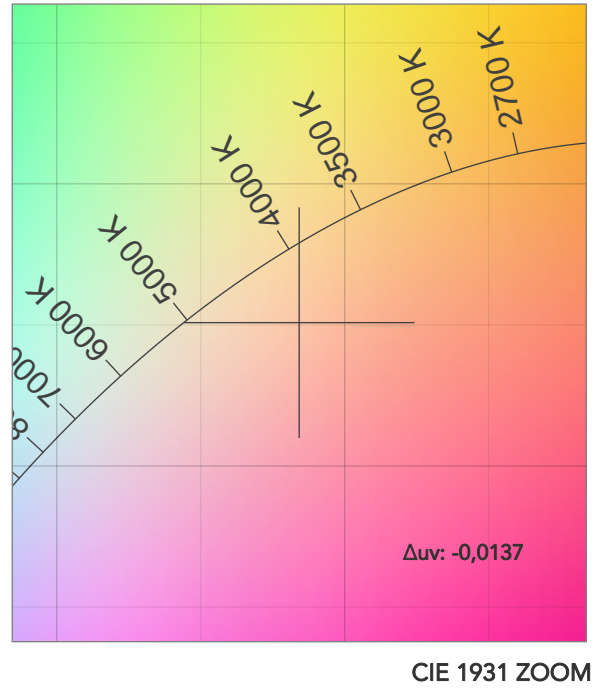
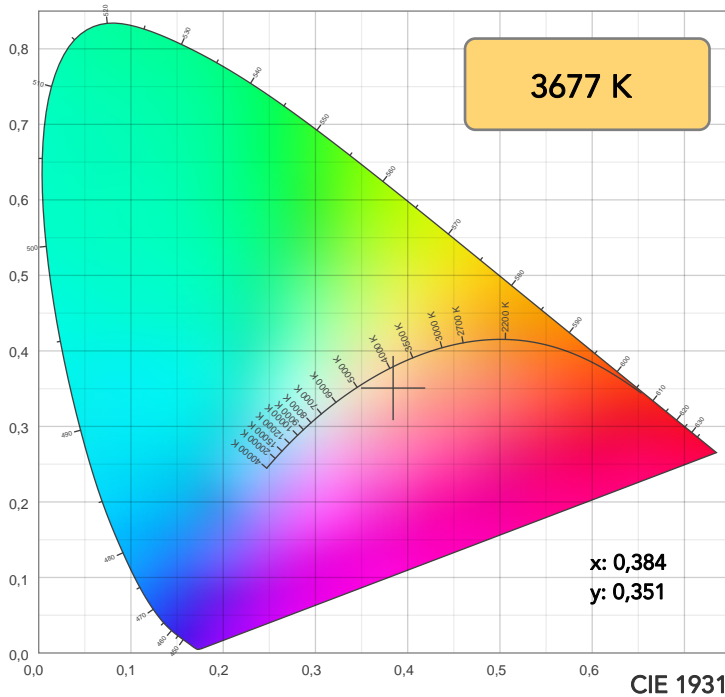
Beam angle 50%: 17,9°

Field angle 10%: 19,7°

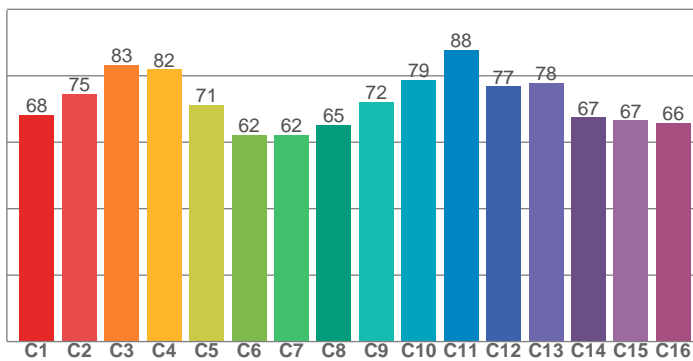
Cut off angle 2.5%: 20,5°

Spectra

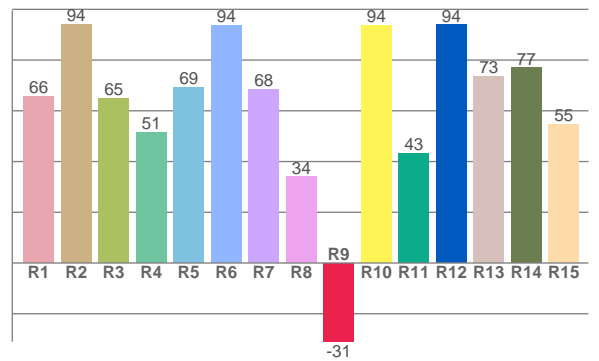




TM30: 73,2



CRI: 67,7 (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
65,7	94,1	65,0	51,5	69,2	93,5	68,4	33,9	-31,0	93,7	43,0	93,9	73,5	76,9	54,6

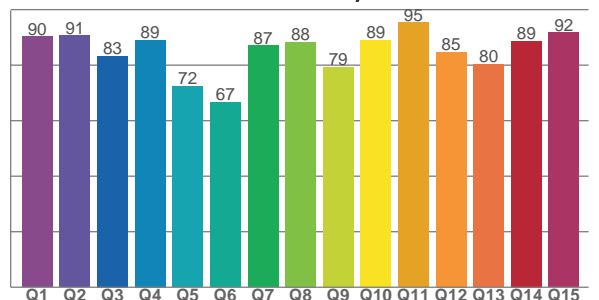
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
68,2	74,6	83,3	82,0	71,2	62,3	62,2	65,2	72,2	78,7	87,8	76,8	77,8	67,5	66,6	65,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90,3	90,6	83,3	89,0	72,4	66,6	87,0	88,4	79,3	89,1	95,3	84,7	80,3	88,7	91,8

CQS: 83,4



COLOR PARAMETERS

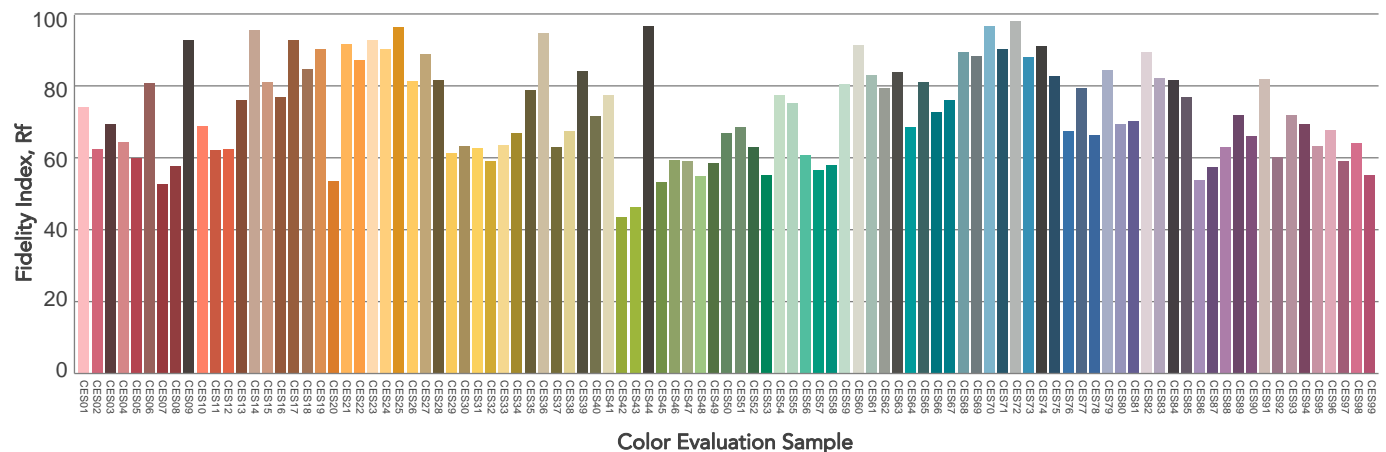
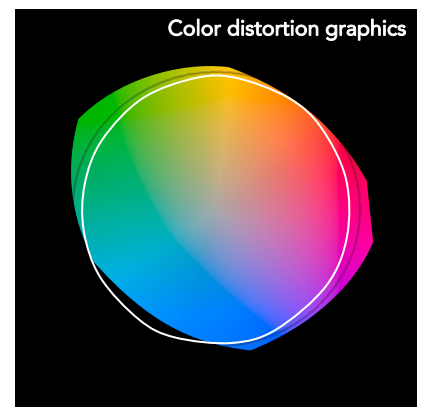
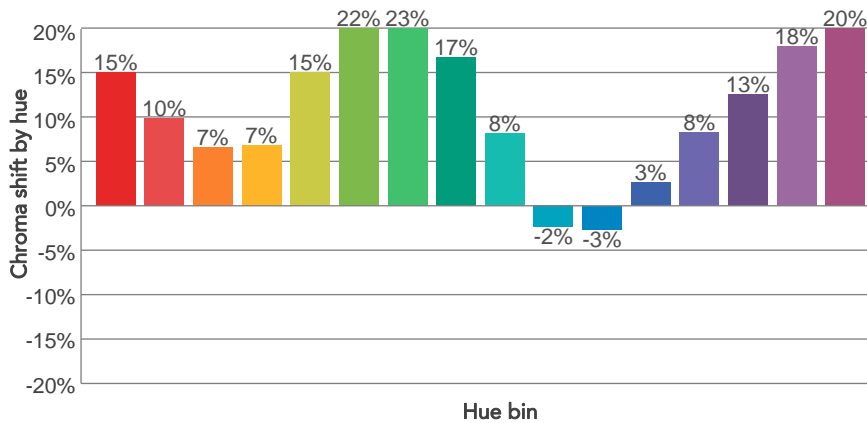
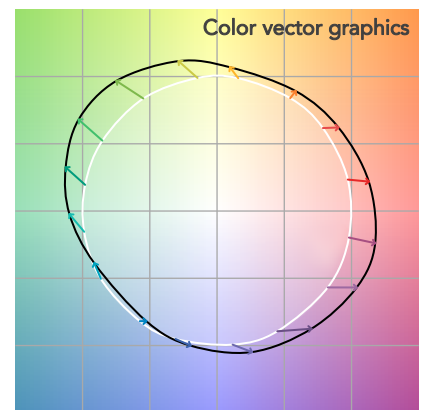
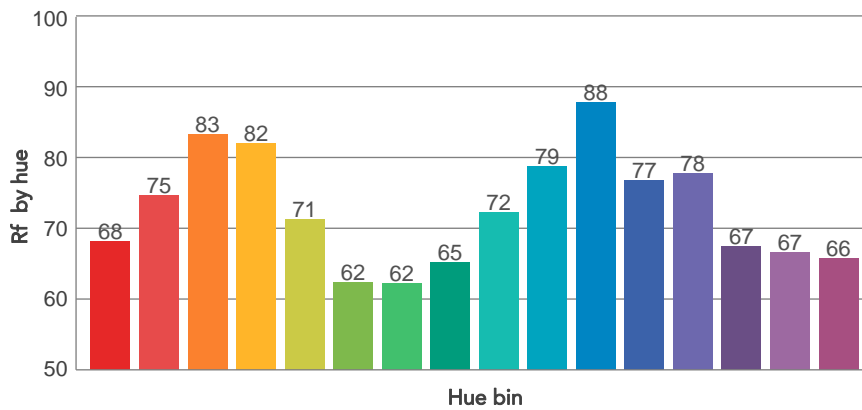
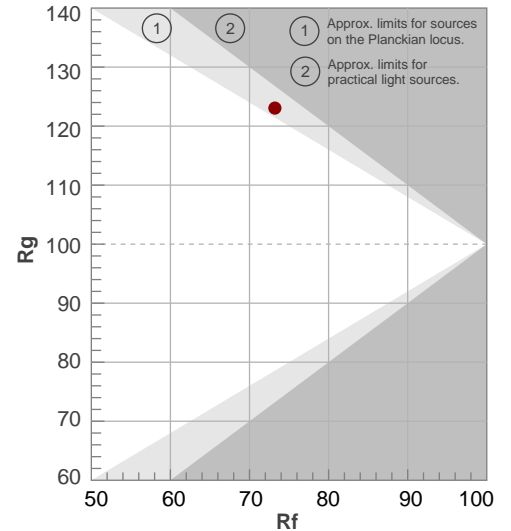
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3677 K	67,7	-31,0	73,2	123,1	83,4	53	0,384	0,351	-0,0137

TM30 DETAILS

Rf 73,2
Fidelity index Rf

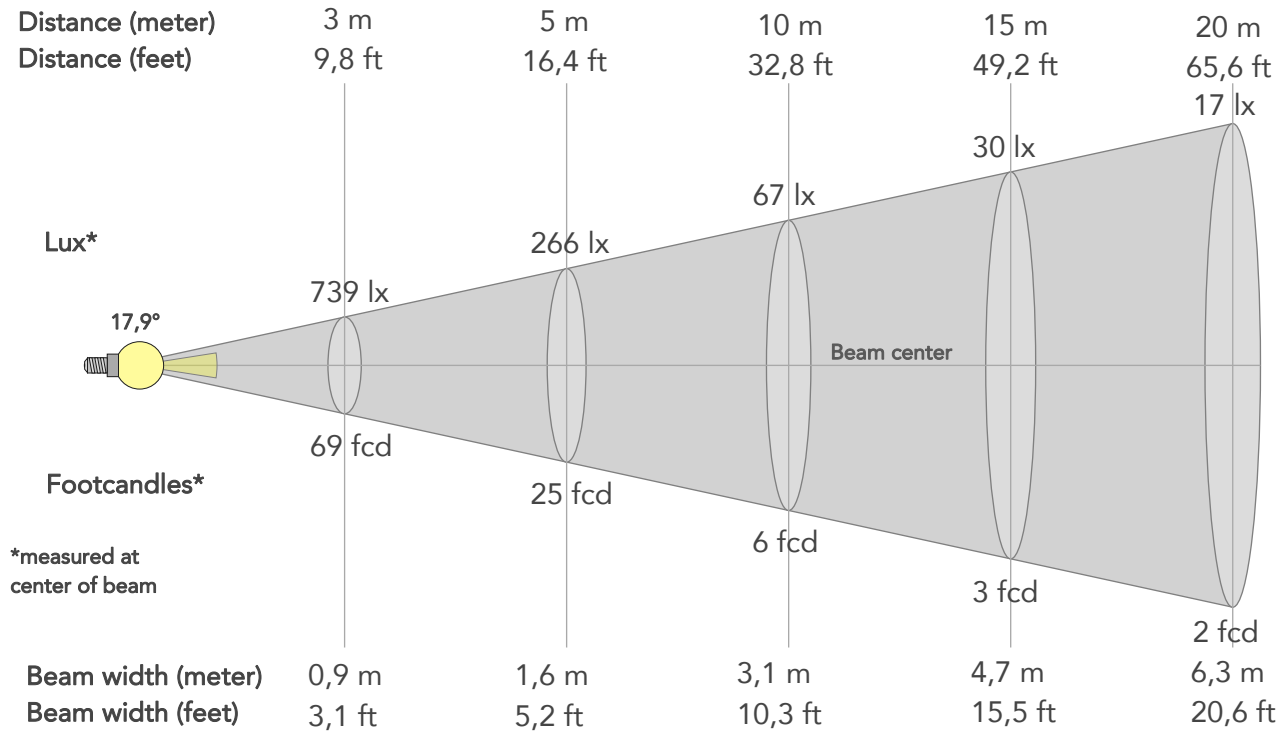
Rg 123,1
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	68	15%	-5%
2	75	10%	-6%
3	83	7%	0%
4	82	7%	8%
5	71	15%	11%
6	62	22%	9%
7	62	23%	-3%
8	65	17%	-10%
9	72	8%	-15%
10	79	-2%	-12%
11	88	-3%	4%
12	77	3%	12%
13	78	8%	13%
14	67	13%	22%
15	67	18%	12%
16	66	20%	0%



BEAM DETAILS

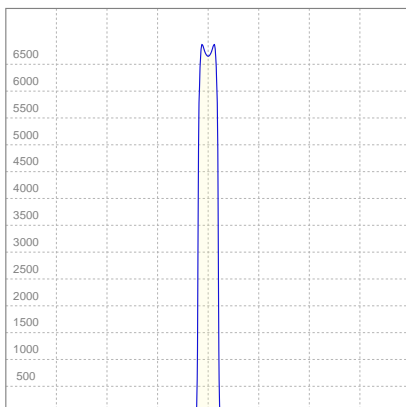
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,9°	19,7°	20,5°	99,5%	99,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6651lx	1663lx	739lx	416lx	266lx	118lx	67lx	30lx	17lx	11lx	7lx	4lx	3lx
Footcand.	618fcd	154fcd	69fcd	39fcd	25fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,3m	1,6m	2,4m	3,1m	4,7m	6,3m	7,9m	9,4m	12,6m	15,7m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,2ft	7,7ft	10,3ft	15,5ft	20,6ft	25,8ft	30,9ft	41,2ft	51,5ft

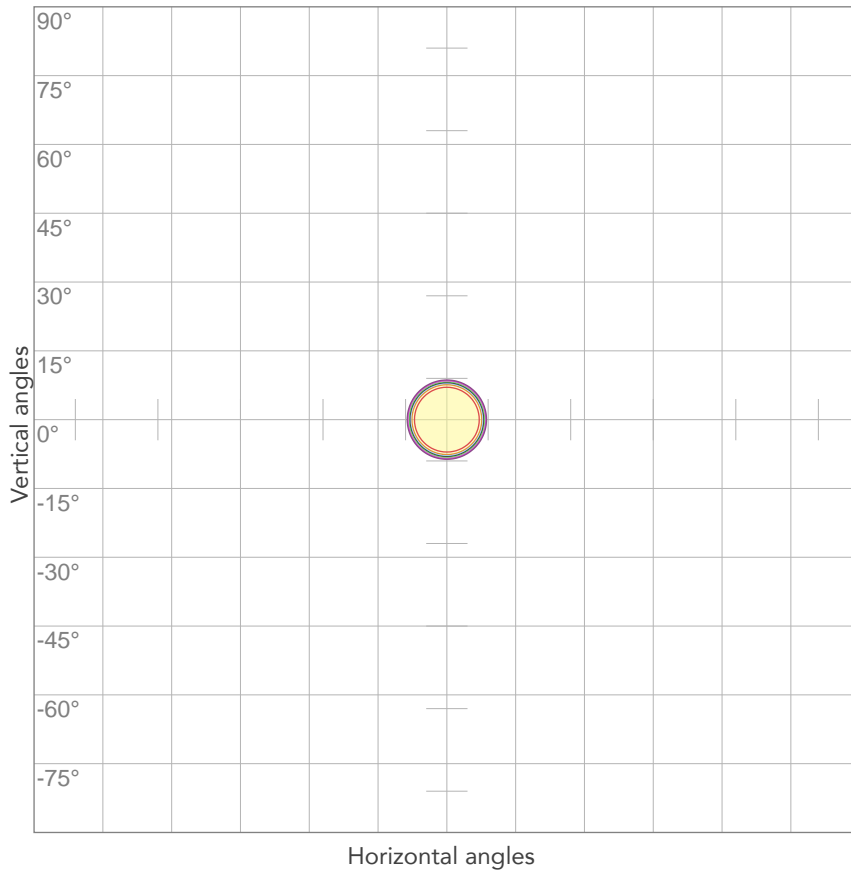
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,136A	28,7W	18lm/W

ISO CANDELA DIAGRAM



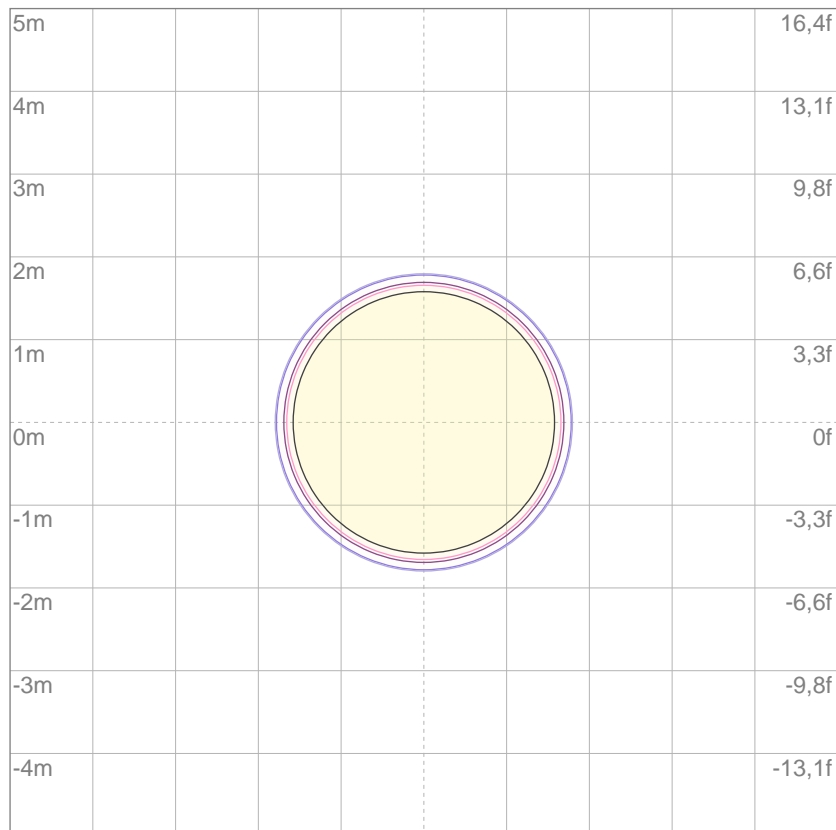
10%	665 cd
20%	1330 cd
30%	1995 cd
40%	2660 cd
50%	3325 cd
60%	3990 cd
70%	4655 cd
80%	5321 cd

Conditions:

Number of c-planes: 2

Candela at center: 6651 cd

ISO LUX DIAGRAM



3%	2,00 lx
5%	3,33 lx
10%	6,65 lx
30%	20,0 lx
50%	33,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 66,5 lx

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



Total lumen output:

483 lm

Peak candela output:

1864 cd

Light quality:

CRI: 70,3

Color temperature:

4765 K

PRODUCT NAME:

Gallery Ecl FC

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

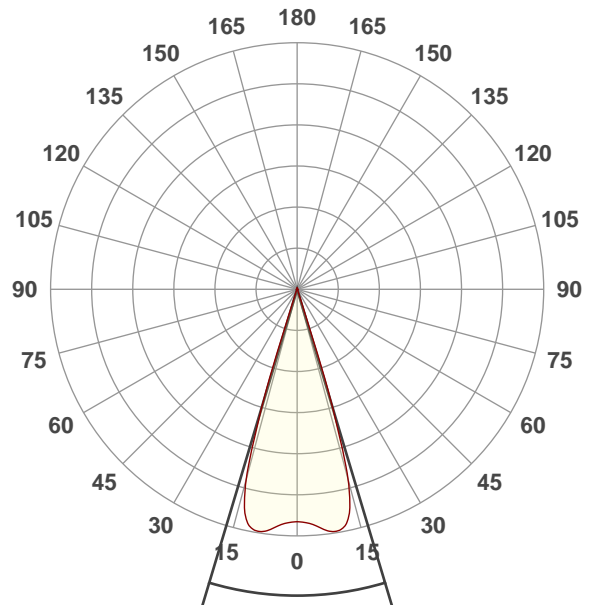
5000K

Operator:

Paolo Carvone

Date and time:

07/05/2020 11:04:11

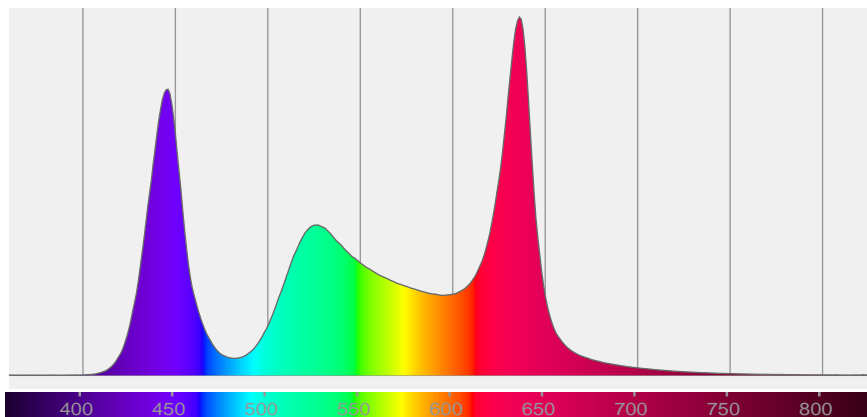


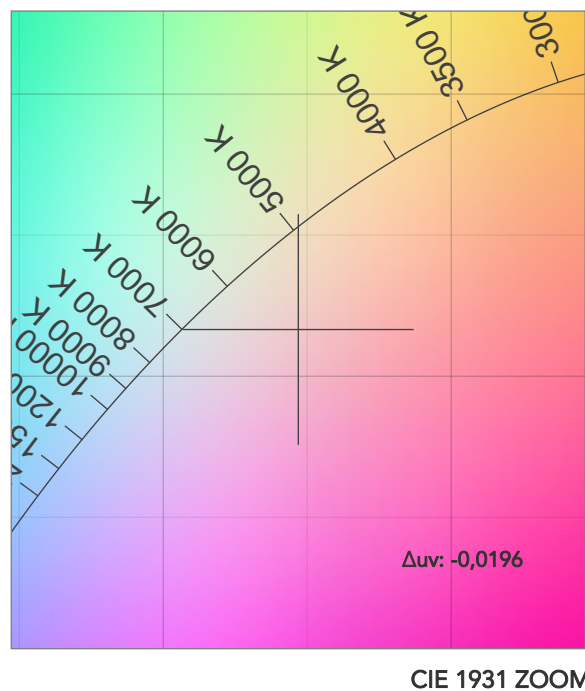
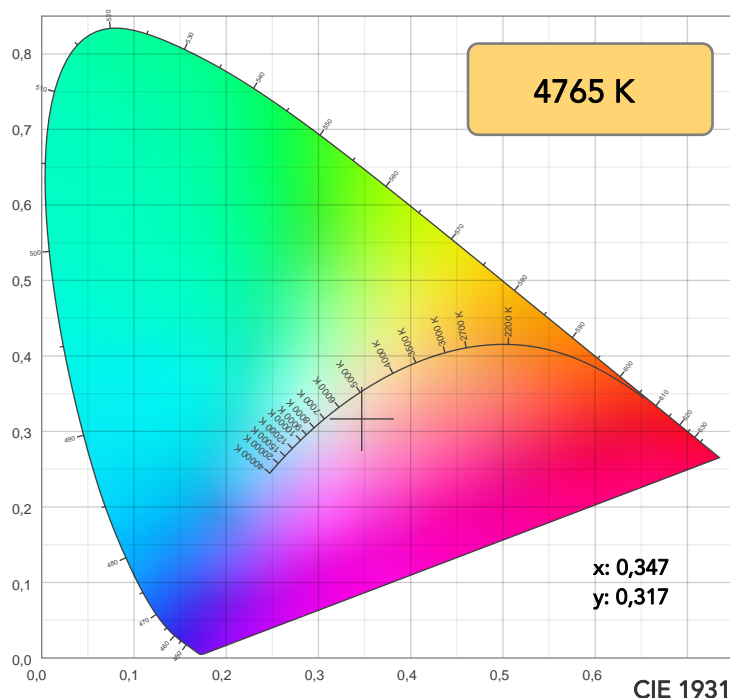
Beam angle 50%: 33,4°

Field angle 10%: 37°

Cut off angle 2.5%: 39,1°

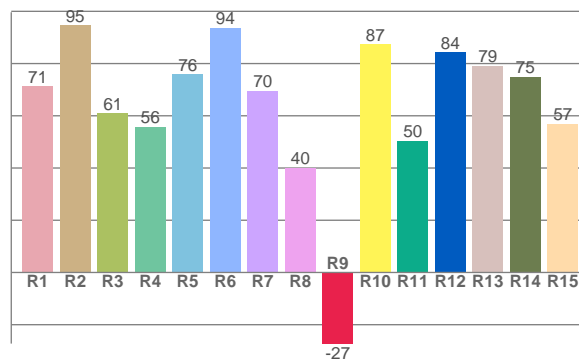
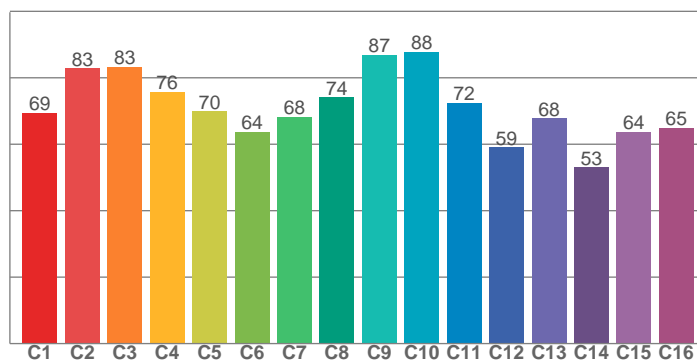
Spectra





TM30: 72,8

CRI: 70,3 (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
71,4	94,6	61,0	55,8	76,0	93,8	69,6	40,2	-27,2	87,3	50,4	84,3	79,2	74,9	56,9

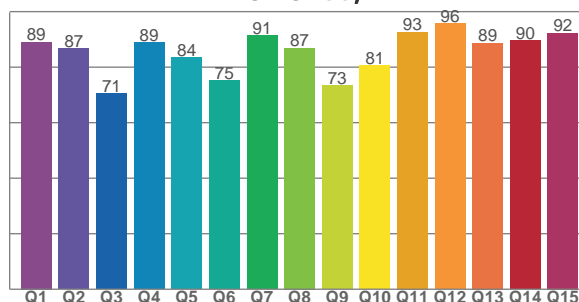
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
69,4	82,8	83,3	75,8	69,9	63,8	68,2	74,1	86,9	87,8	72,4	59,1	67,8	53,0	63,7	64,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
89,1	86,7	70,5	88,9	83,5	75,2	91,4	86,8	73,4	80,6	92,7	95,8	88,7	89,6	92,2

CQS: 83,9



COLOR PARAMETERS

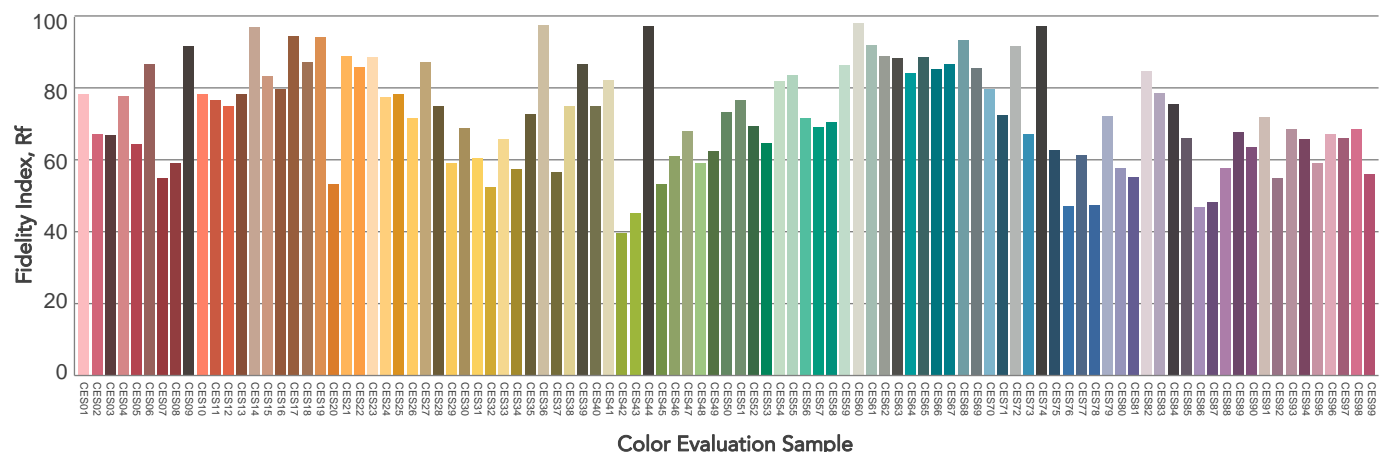
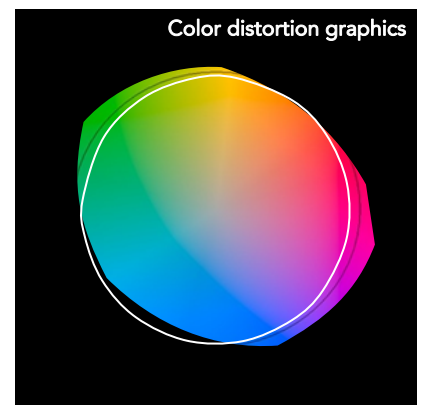
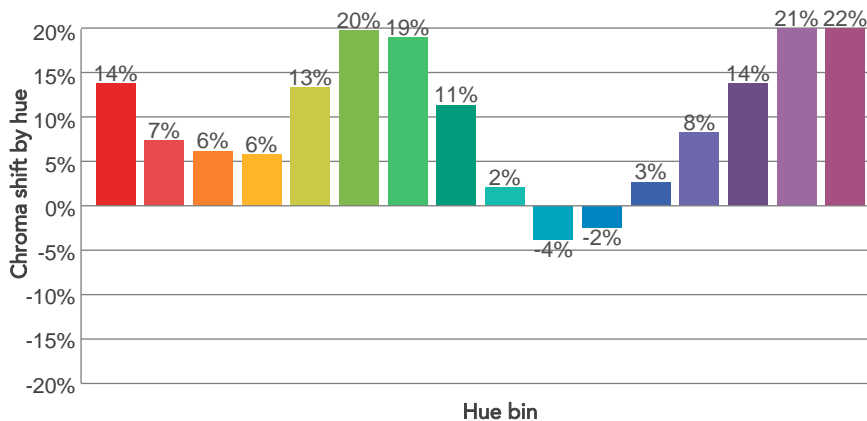
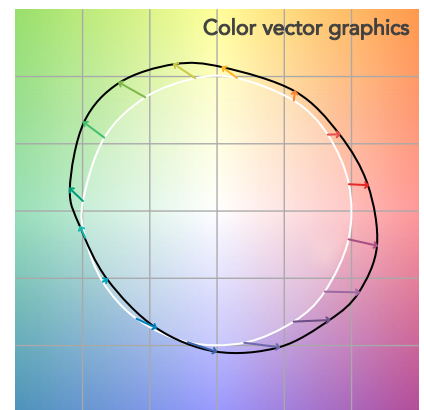
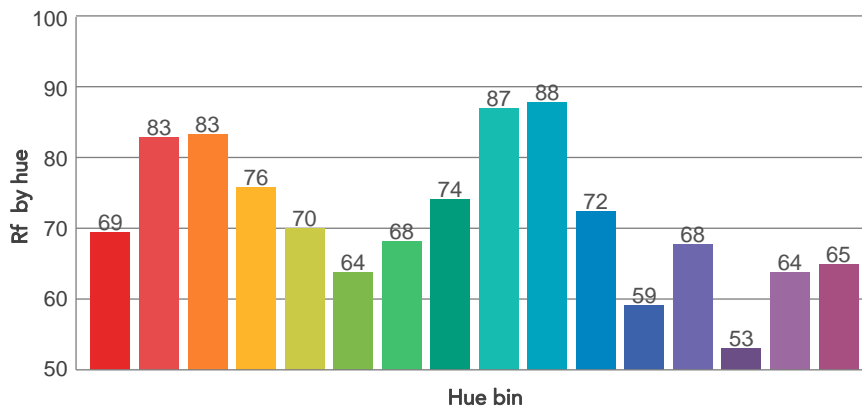
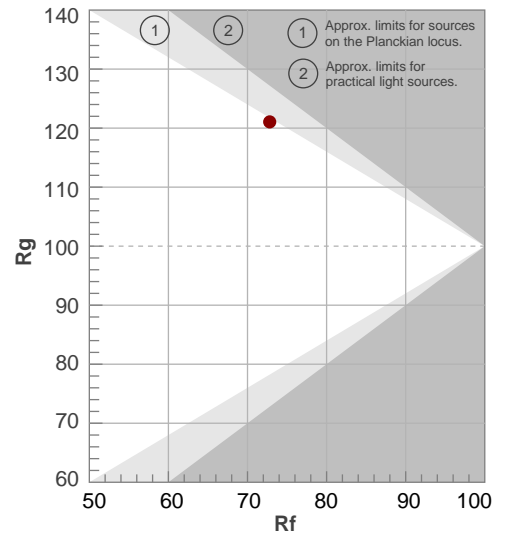
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4765 K	70,3	-27,2	72,8	121,1	83,9	61	0,347	0,317	-0,0196

TM30 DETAILS

Rf 72,8
Fidelity index Rf

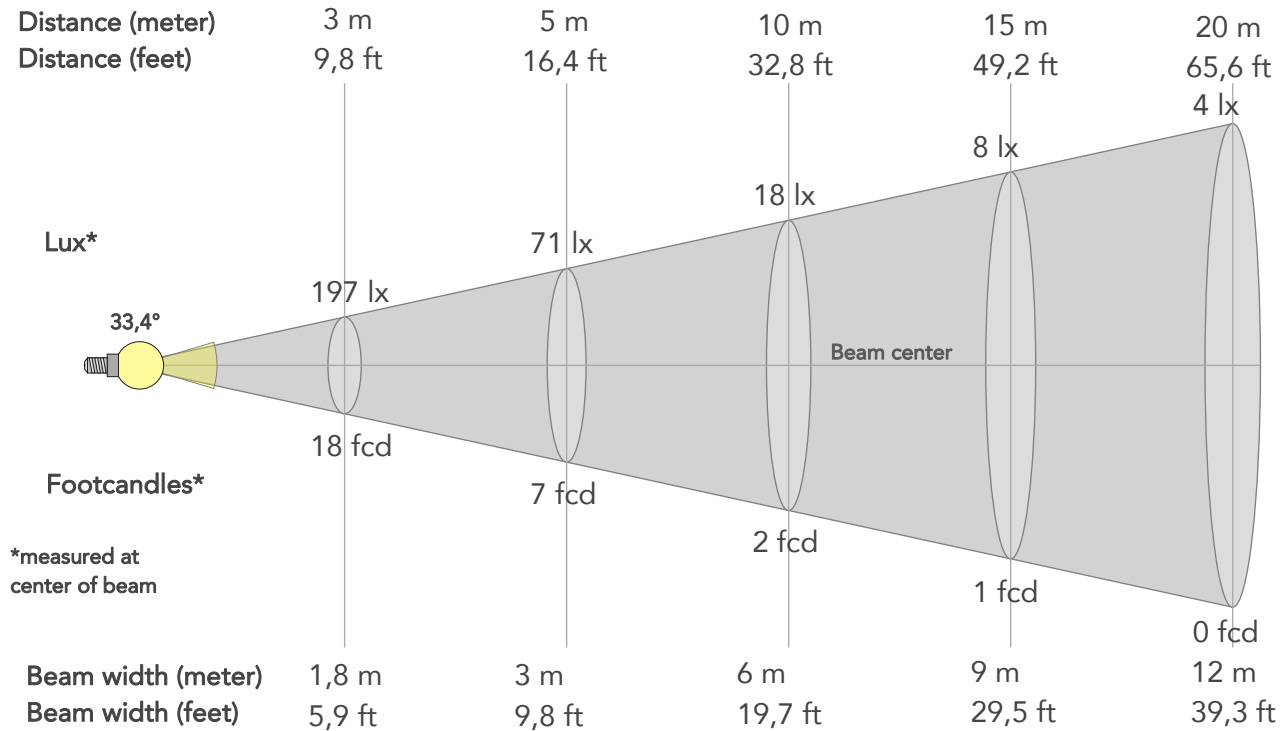
Rg 121,1
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	69	14%	-3%
2	83	7%	-5%
3	83	6%	3%
4	76	6%	12%
5	70	13%	13%
6	64	20%	10%
7	68	19%	-1%
8	74	11%	-7%
9	87	2%	-9%
10	88	-4%	0%
11	72	-2%	16%
12	59	3%	22%
13	68	8%	25%
14	53	14%	23%
15	64	21%	14%
16	65	22%	-1%



BEAM DETAILS

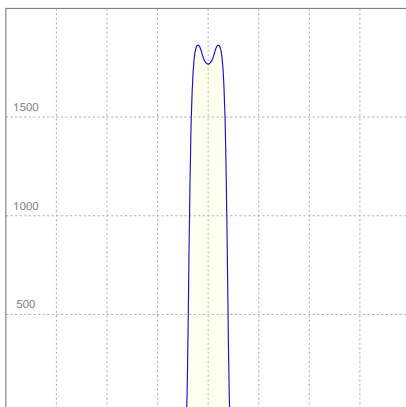
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,4°	37°	39,1°	99,4%	99,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1769lx	442lx	197lx	111lx	71lx	31lx	18lx	8lx	4lx	3lx	2lx	1lx	1lx
Footcand.	164fcd	41fcd	18fcd	10fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30m
Beam wid.	2ft	4ft	5,9ft	7,8ft	9,8ft	14,7ft	19,7ft	29,5ft	39,3ft	49,1ft	59ft	78,6ft	98,3ft

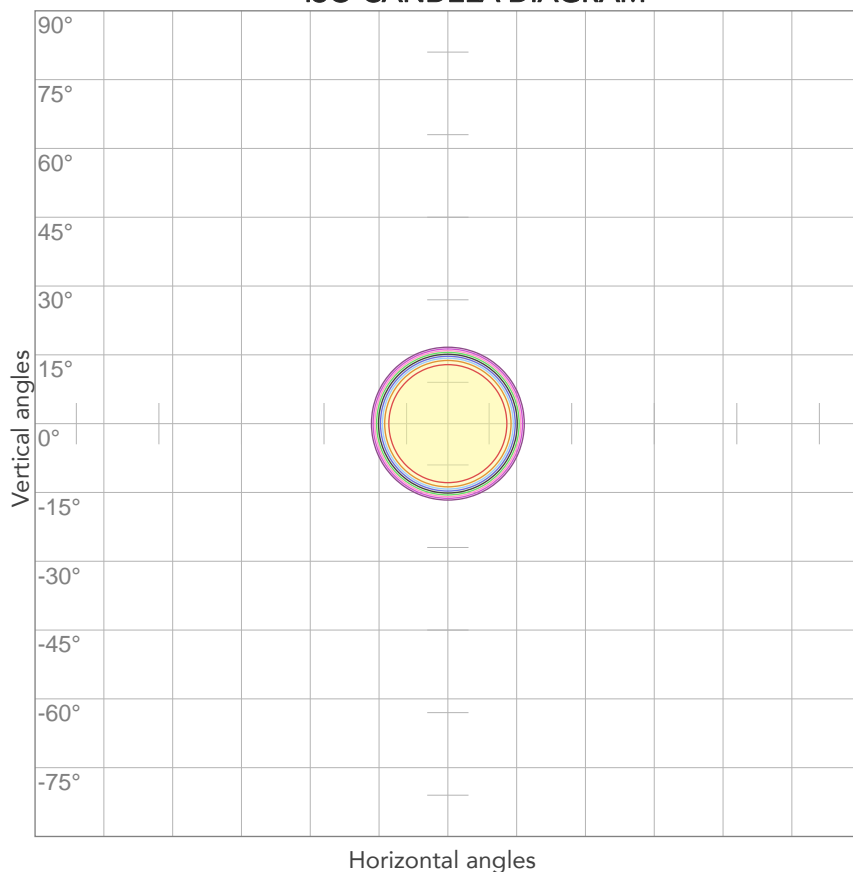
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,129A	27,0W	18lm/W

ISO CANDELA DIAGRAM



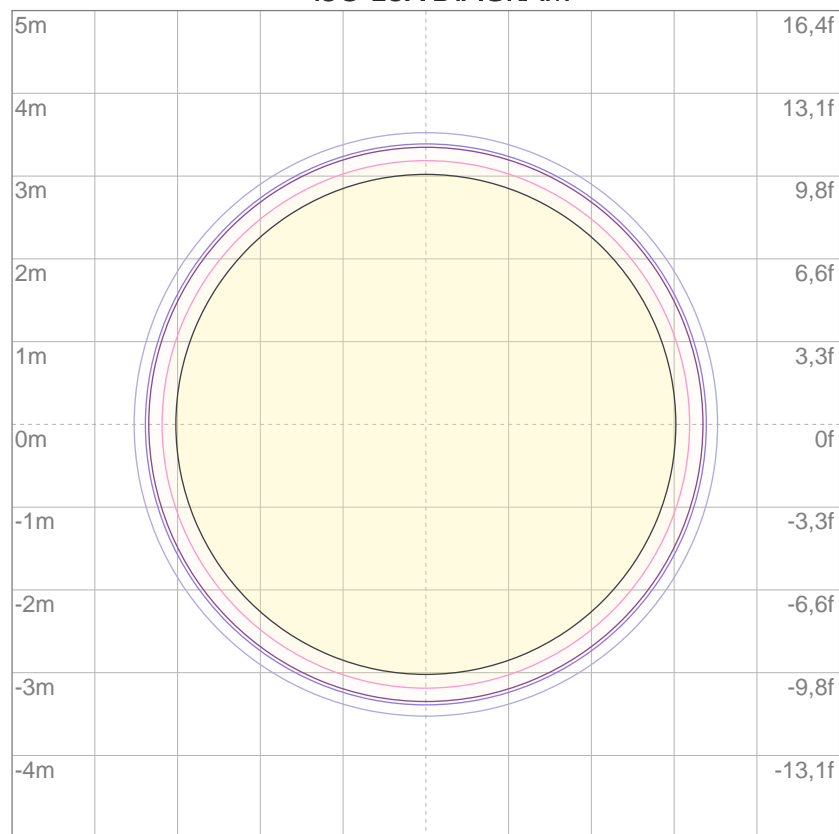
10%	177 cd
20%	354 cd
30%	531 cd
40%	707 cd
50%	884 cd
60%	1061 cd
70%	1238 cd
80%	1415 cd

Conditions:

Number of c-planes: 2

Candela at center: 1769 cd

ISO LUX DIAGRAM



3%	0,531 lx
5%	0,884 lx
10%	1,77 lx
30%	5,31 lx
50%	8,84 lx

Conditions:

Number of c-planes: 2

Lux at center: 17,7 lx

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



Total lumen output:

494 lm

Peak candela output:

6585 cd

Light quality:

CRI: 70,4

Color temperature:

4700 K

PRODUCT NAME:

Gallery Ecl FC

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

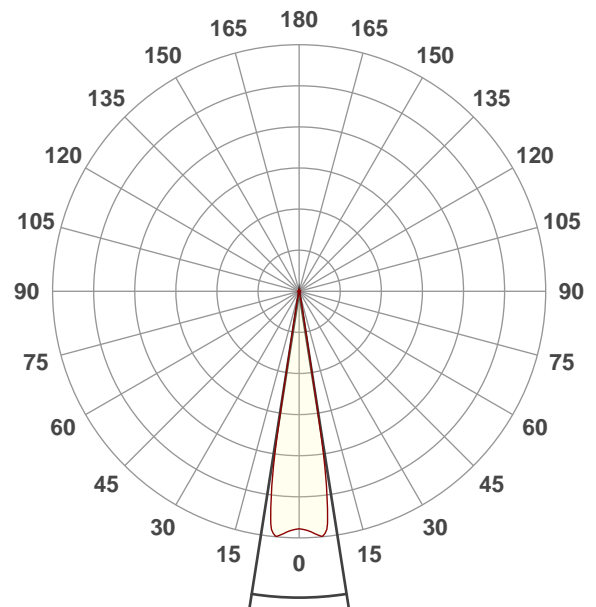
5000K

Operator:

Paolo Carvone

Date and time:

07/05/2020 10:59:04

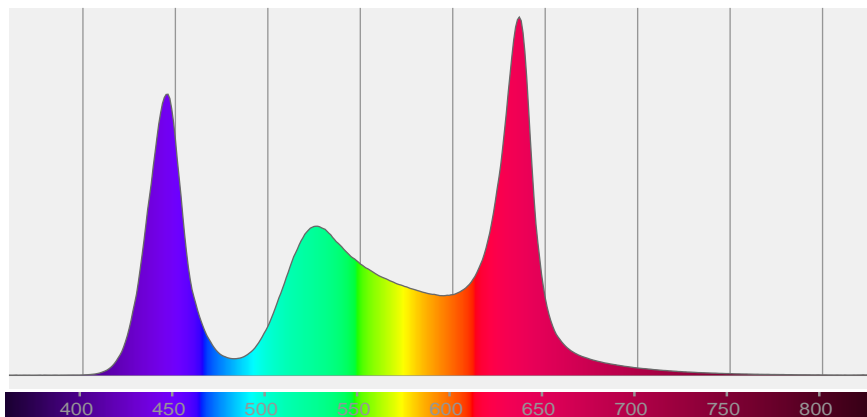


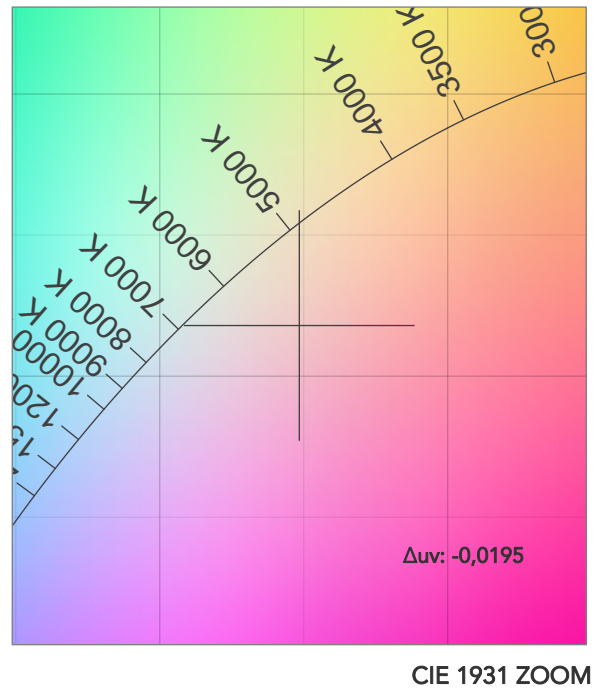
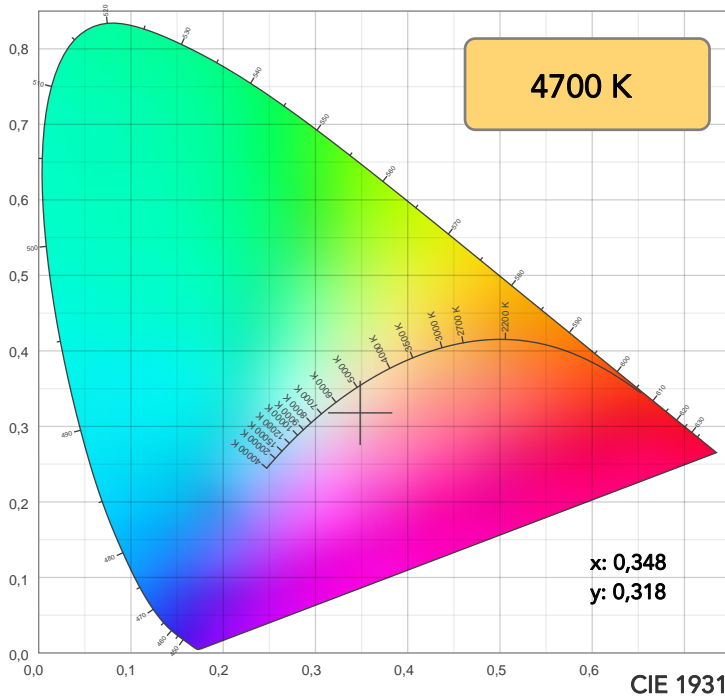
Beam angle 50%: 17,8°

Field angle 10%: 19,8°

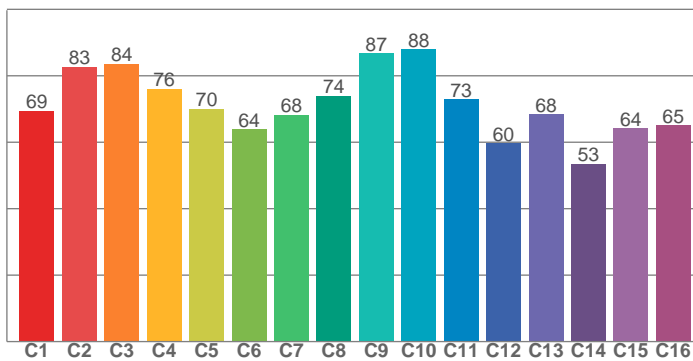
Cut off angle 2.5%: 21,9°

Spectra

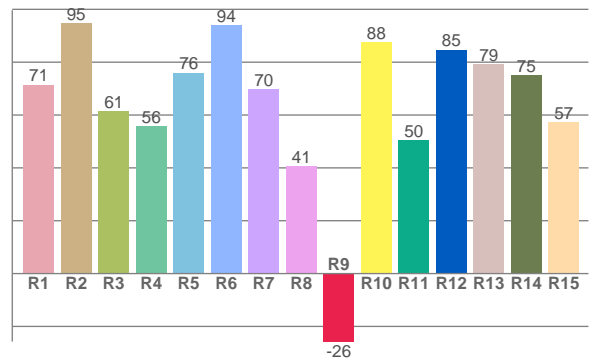




TM30: 73,0



CRI: 70,4 (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
71,4	94,7	61,3	55,8	76,0	93,9	69,8	40,5	-25,7	87,6	50,4	84,7	79,2	75,1	57,2

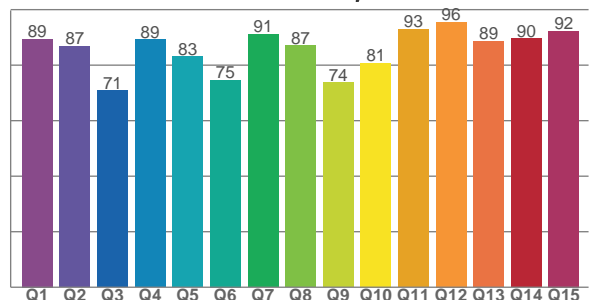
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
69,5	82,7	83,6	76,1	70,1	63,9	68,2	74,0	86,8	88,0	72,9	59,7	68,4	53,5	64,2	65,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
89,5	86,8	70,8	89,2	83,1	74,7	91,1	87,0	73,7	80,8	92,9	95,6	88,6	89,6	92,4

CQS: 84,0



COLOR PARAMETERS

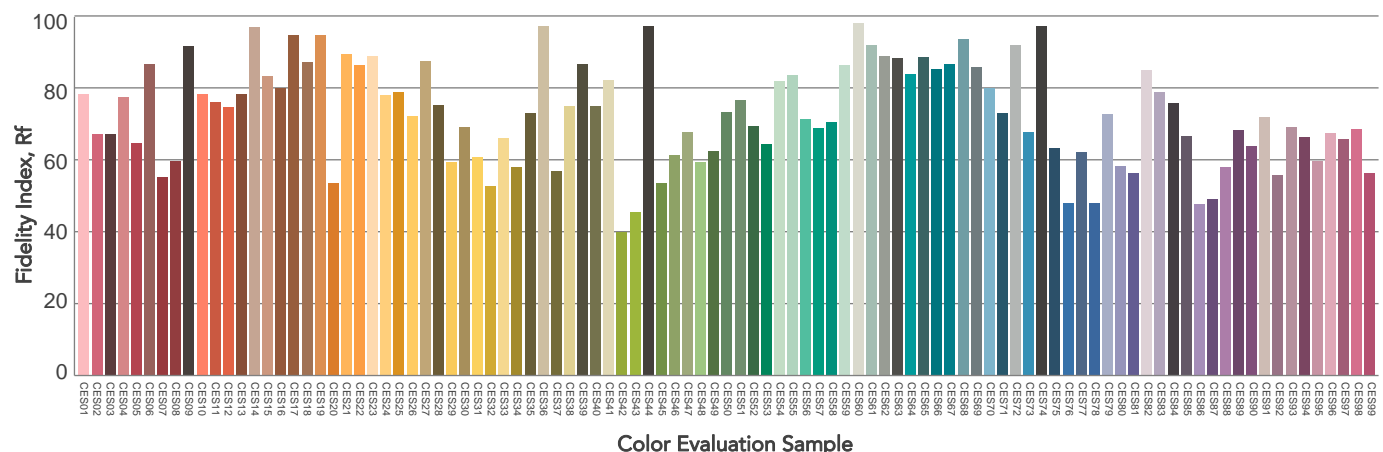
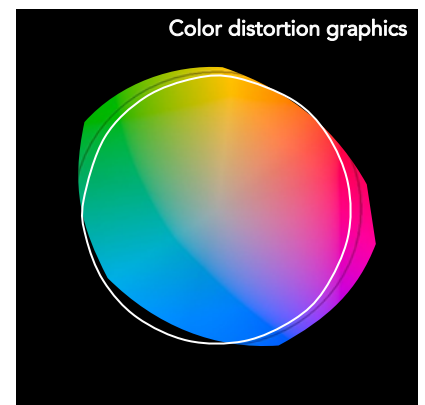
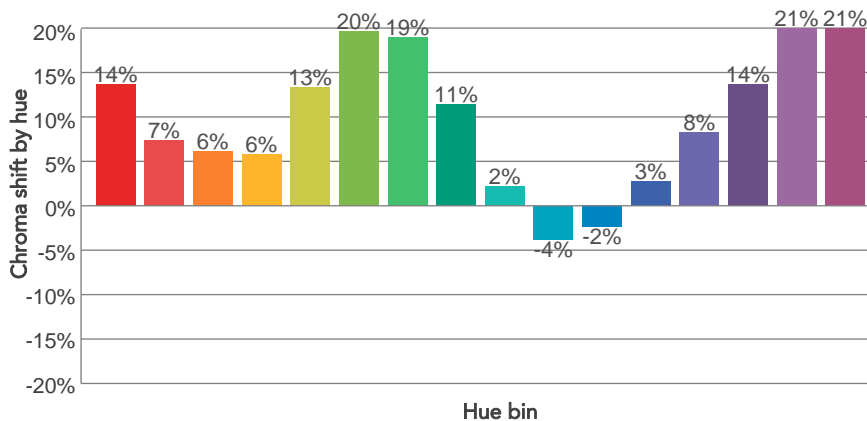
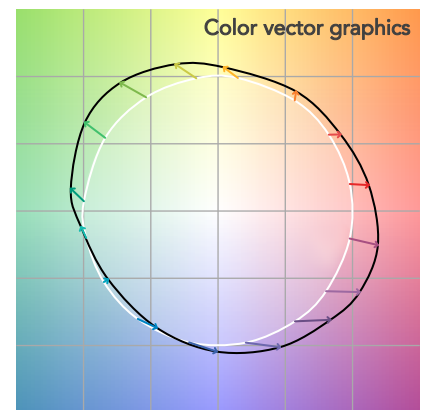
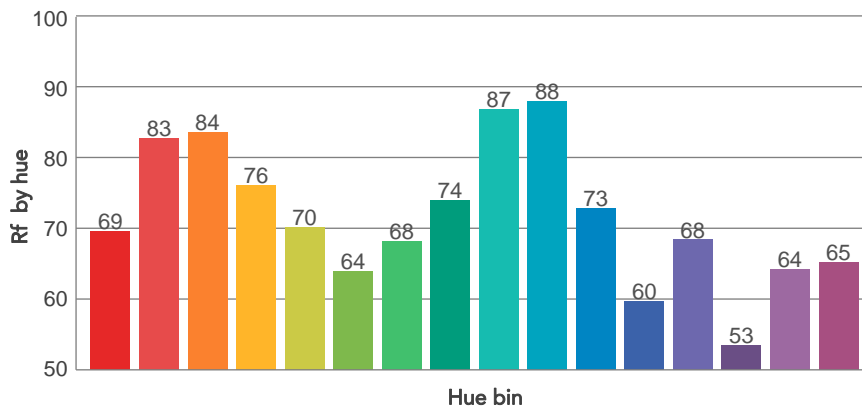
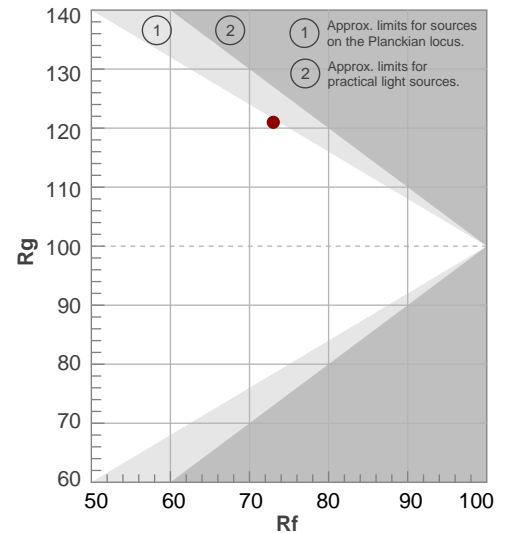
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4700 K	70,4	-25,7	73,0	121,0	84,0	60	0,348	0,318	-0,0195

TM30 DETAILS

Rf 73,0
Fidelity index Rf

Rg 121,0
Gammut index

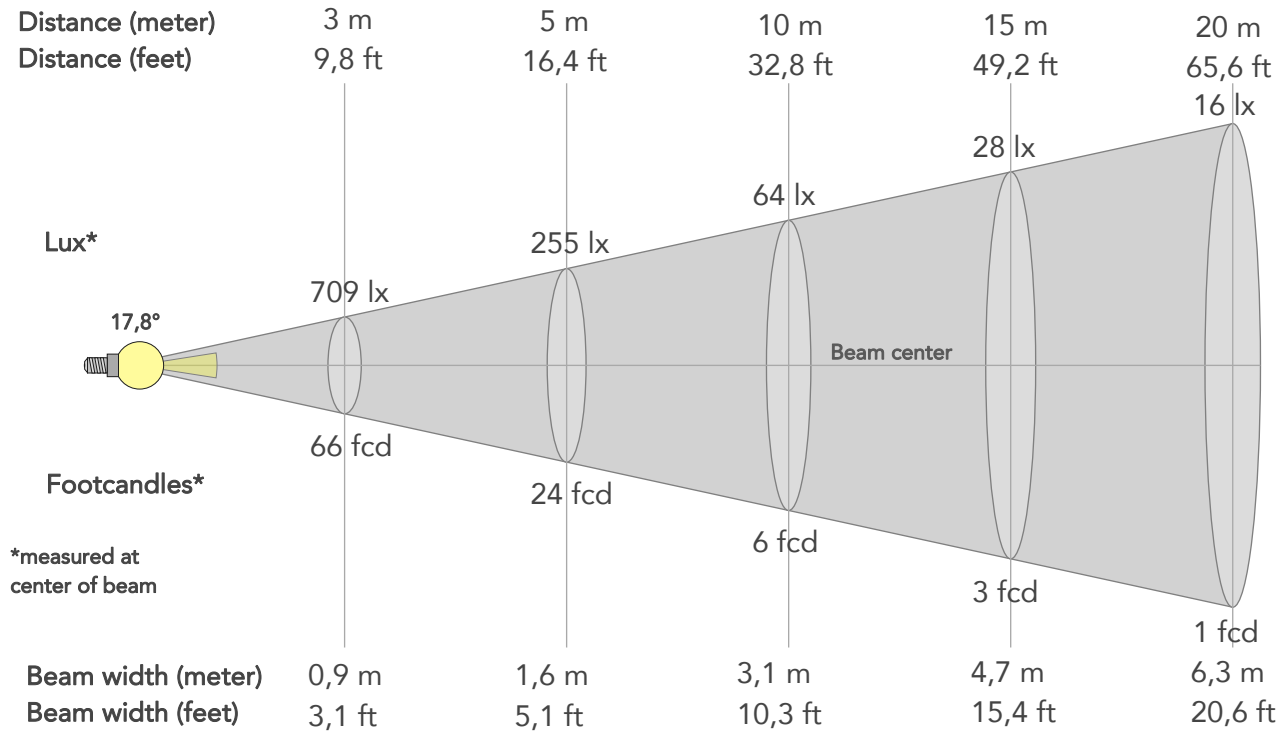
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	69	14%	-4%
2	83	7%	-5%
3	84	6%	3%
4	76	6%	12%
5	70	13%	13%
6	64	20%	10%
7	68	19%	-1%
8	74	11%	-7%
9	87	2%	-9%
10	88	-4%	0%
11	73	-2%	15%
12	60	3%	22%
13	68	8%	24%
14	53	14%	23%
15	64	21%	13%
16	65	21%	-1%



BEAM DETAILS



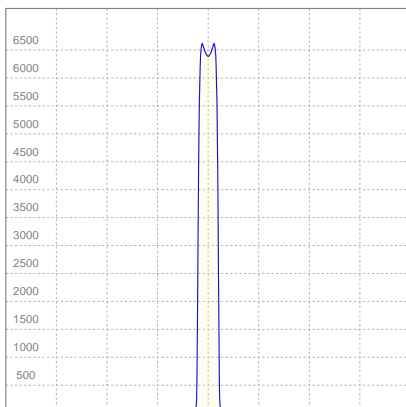
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,8°	19,8°	21,9°	99,5%	99,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6385lx	1596lx	709lx	399lx	255lx	114lx	64lx	28lx	16lx	10lx	7lx	4lx	3lx
Footcand.	593fcd	148fcd	66fcd	37fcd	24fcd	11fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,3m	1,6m	2,4m	3,1m	4,7m	6,3m	7,8m	9,4m	12,5m	15,7m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,1ft	7,7ft	10,3ft	15,4ft	20,6ft	25,7ft	30,9ft	41,1ft	51,4ft

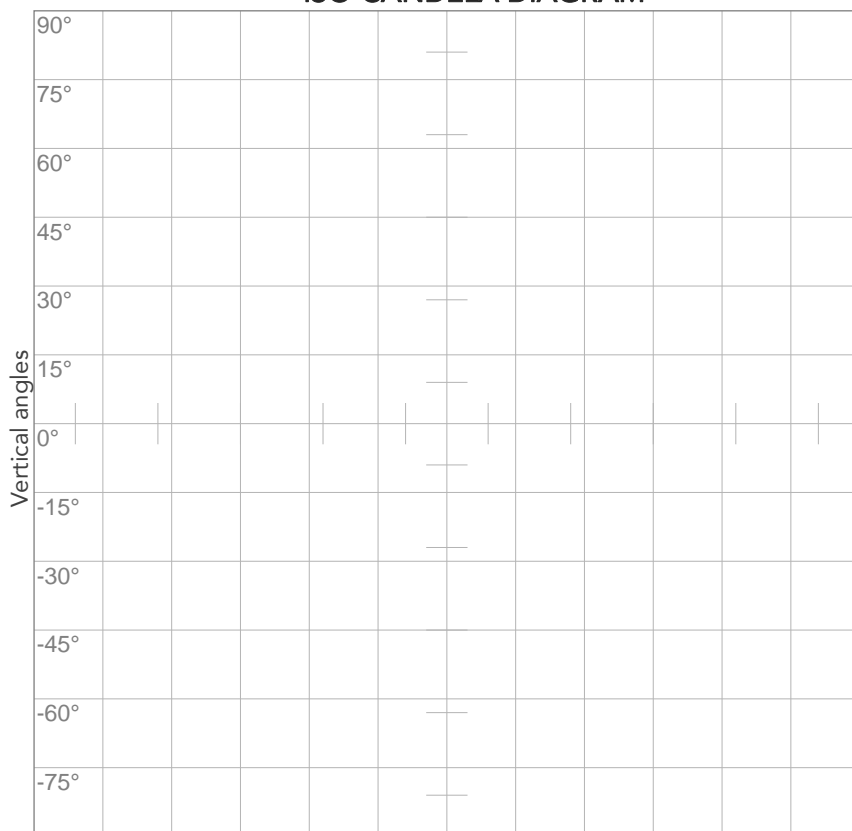
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,130A	27,1W	18lm/W

ISO CANDELA DIAGRAM



Horizontal angles

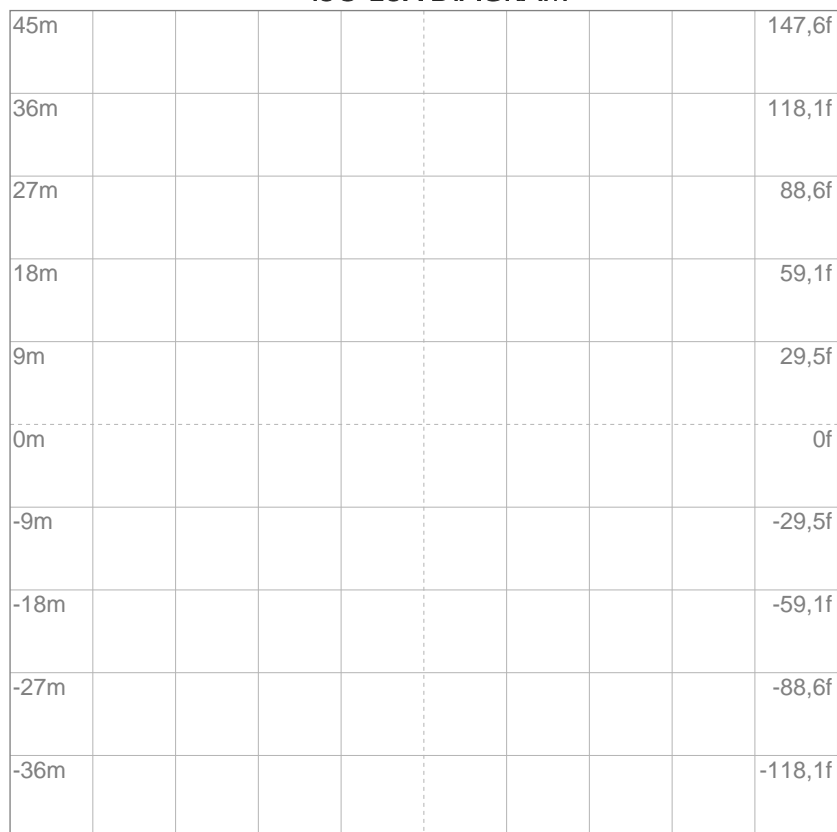
10%	639 cd
20%	1277 cd
30%	1916 cd
40%	2554 cd
50%	3193 cd
60%	3831 cd
70%	4470 cd
80%	5108 cd

Conditions:

Number of c-planes: 2

Candela at center: 6385 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,92 lx
5%	3,19 lx
10%	6,39 lx
30%	19,2 lx
50%	31,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 63,9 lx

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



Total lumen output:

507 lm

Peak candela output:

1956 cd

Light quality:

CRI: 66,9

Color temperature:

5613 K

PRODUCT NAME:

Gallery Ecl FC

MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

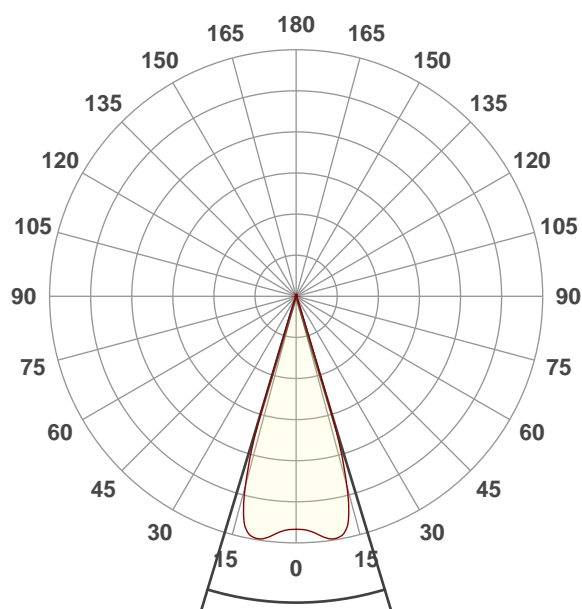
6000K

Operator:

Paolo Carvone

Date and time:

07/05/2020 11:02:35

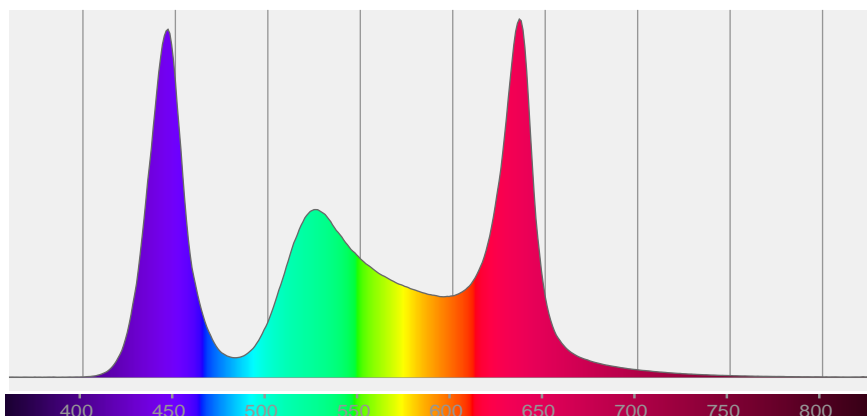


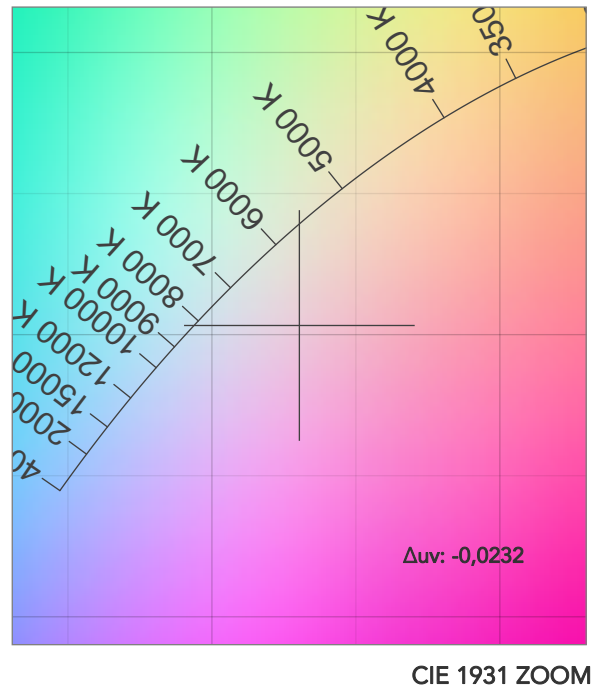
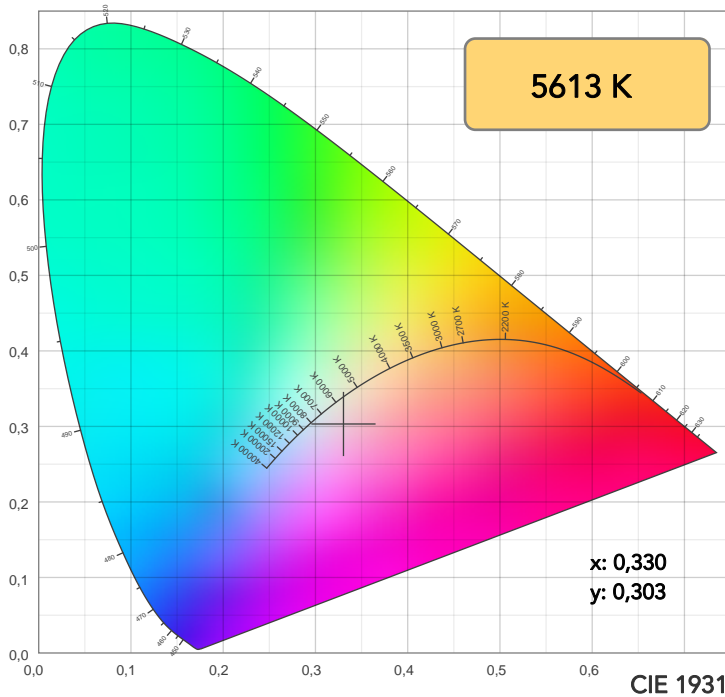
Beam angle 50%: 33,6°

Field angle 10%: 36,5°

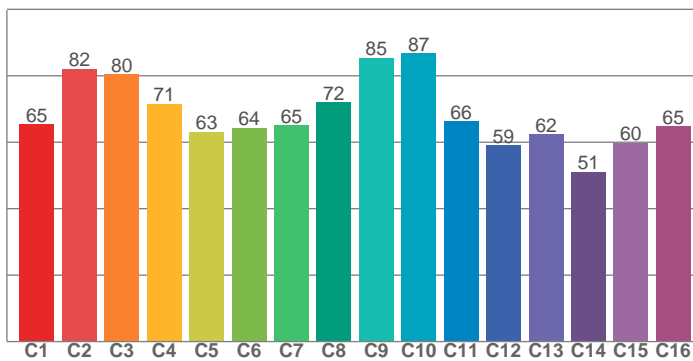
Cut off angle 2.5%: 39°

Spectra

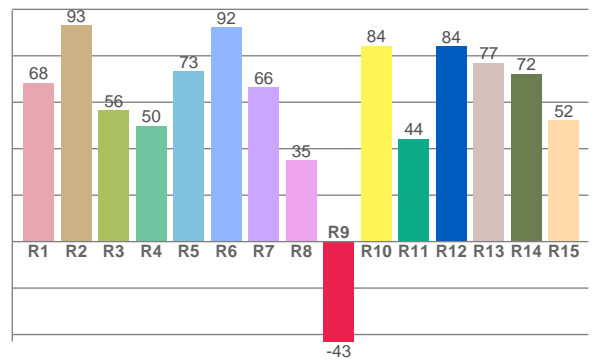




TM30: 69,6



CRI: 66,9 (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
68,4	93,1	56,5	49,8	73,5	92,3	66,3	35,0	-43,0	84,4	44,2	84,0	77,0	72,3	52,3

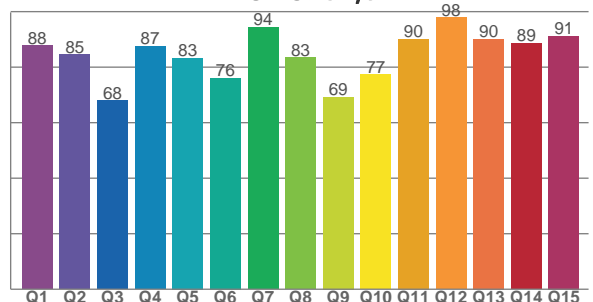
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
65,4	82,0	80,4	71,5	63,1	64,3	65,1	72,0	85,3	86,8	66,3	59,0	62,3	51,1	59,9	64,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87,8	84,5	68,0	87,5	83,4	76,1	94,4	83,5	69,3	77,3	90,1	97,8	90,1	88,6	91,3

CQS: 82,5



COLOR PARAMETERS

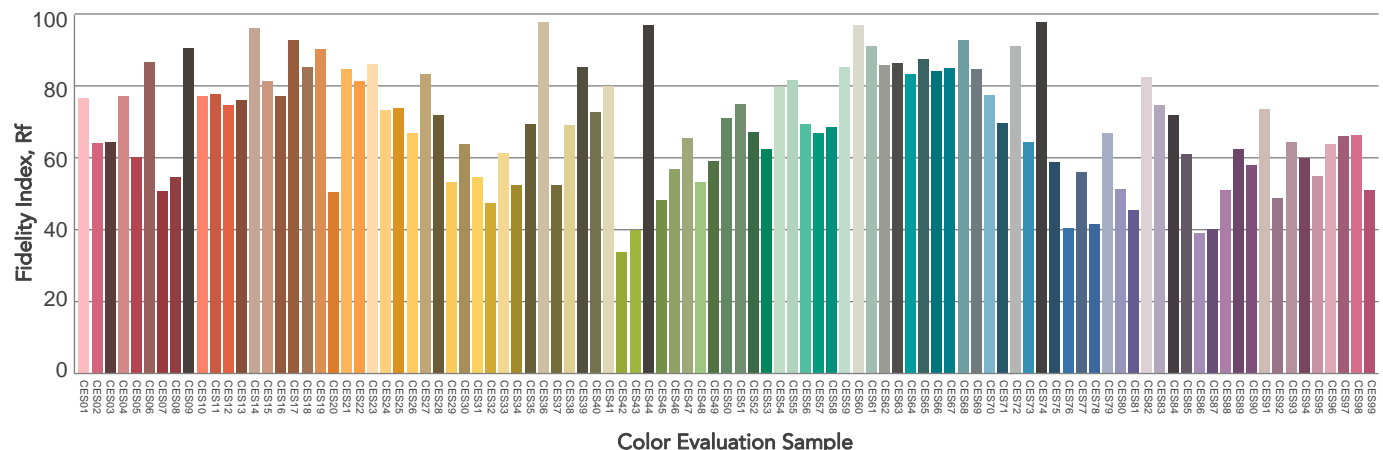
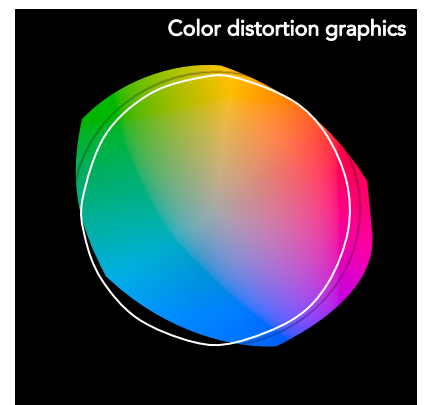
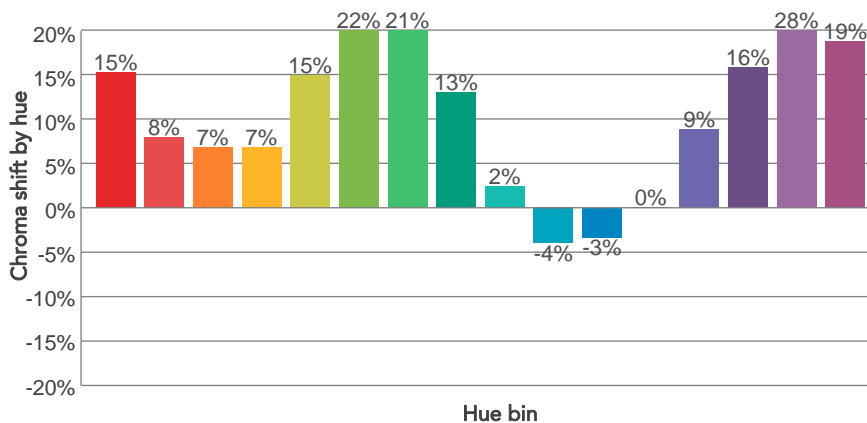
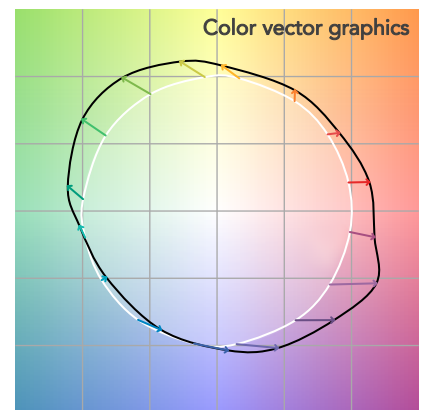
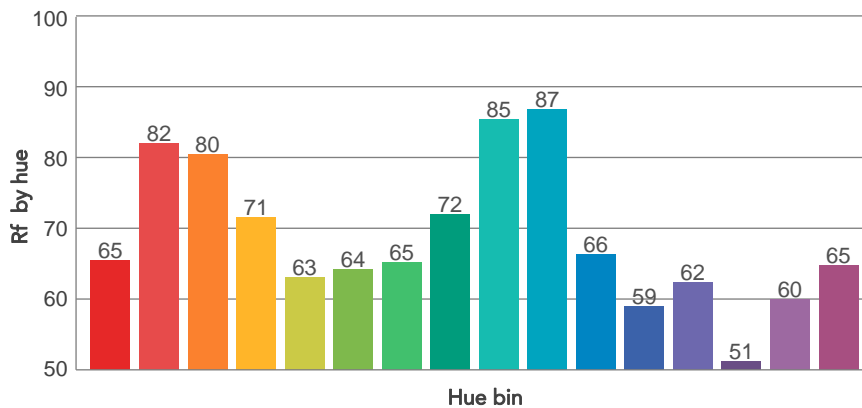
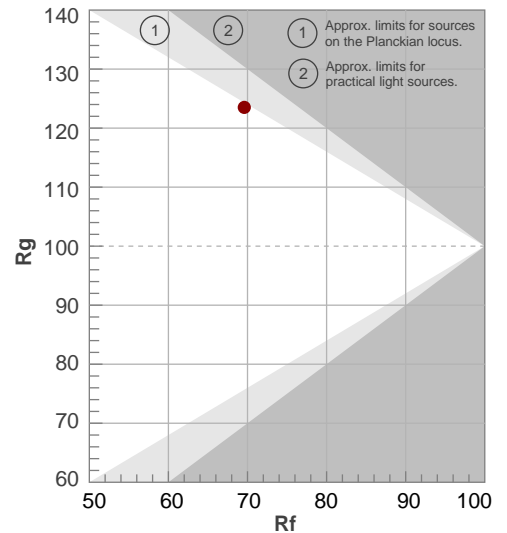
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5613 K	66,9	-43,0	69,6	123,5	82,5	62	0,330	0,303	-0,0232

TM30 DETAILS

Rf 69,6
Fidelity index Rf

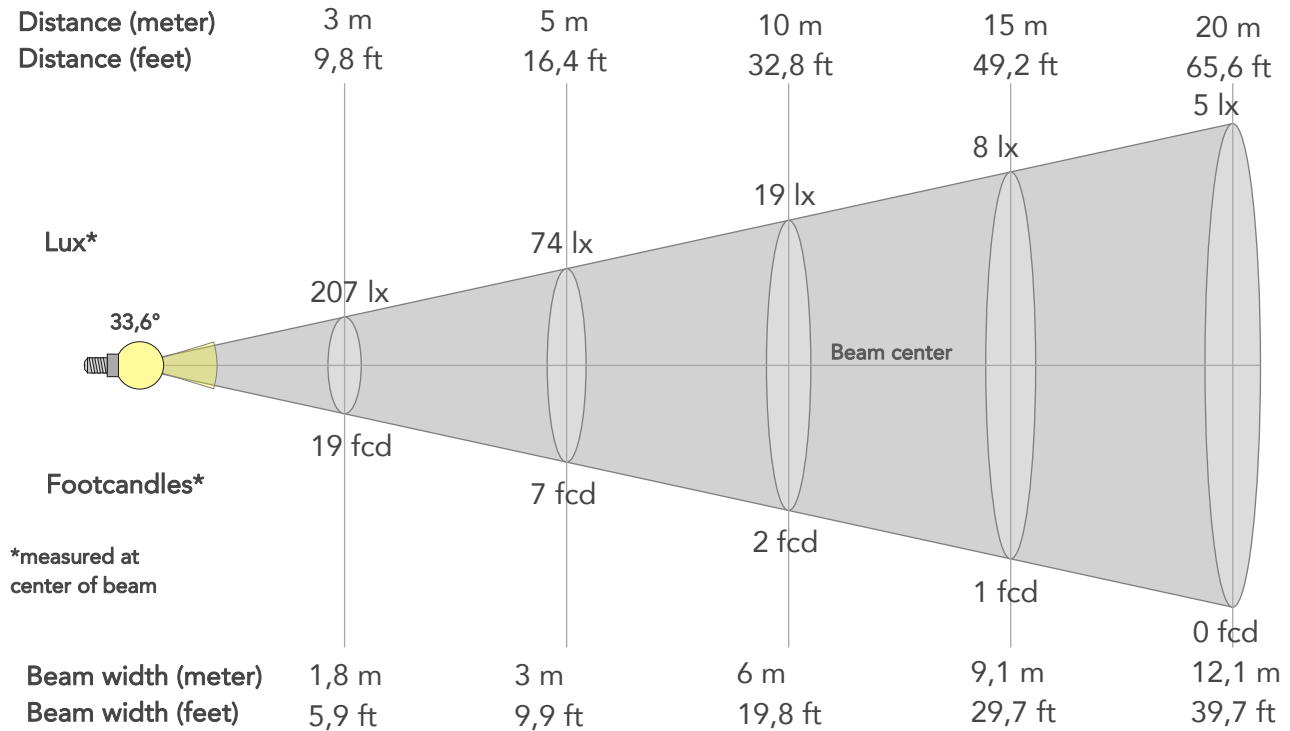
Rg 123,5
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	65	15%	-3%
2	82	8%	-4%
3	80	7%	4%
4	71	7%	14%
5	63	15%	16%
6	64	22%	11%
7	65	21%	0%
8	72	13%	-7%
9	85	2%	-9%
10	87	-4%	0%
11	66	-3%	18%
12	59	0%	26%
13	62	9%	30%
14	51	16%	24%
15	60	28%	20%
16	65	19%	0%



BEAM DETAILS

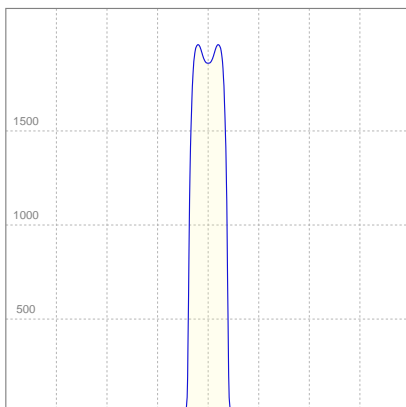
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,6°	36,5°	39°	99,5%	99,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1861lx	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.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9,1m	12,1m	15,1m	18,1m	24,2m	30,2m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,9ft	19,8ft	29,7ft	39,7ft	49,6ft	59,5ft	79,3ft	99,1ft

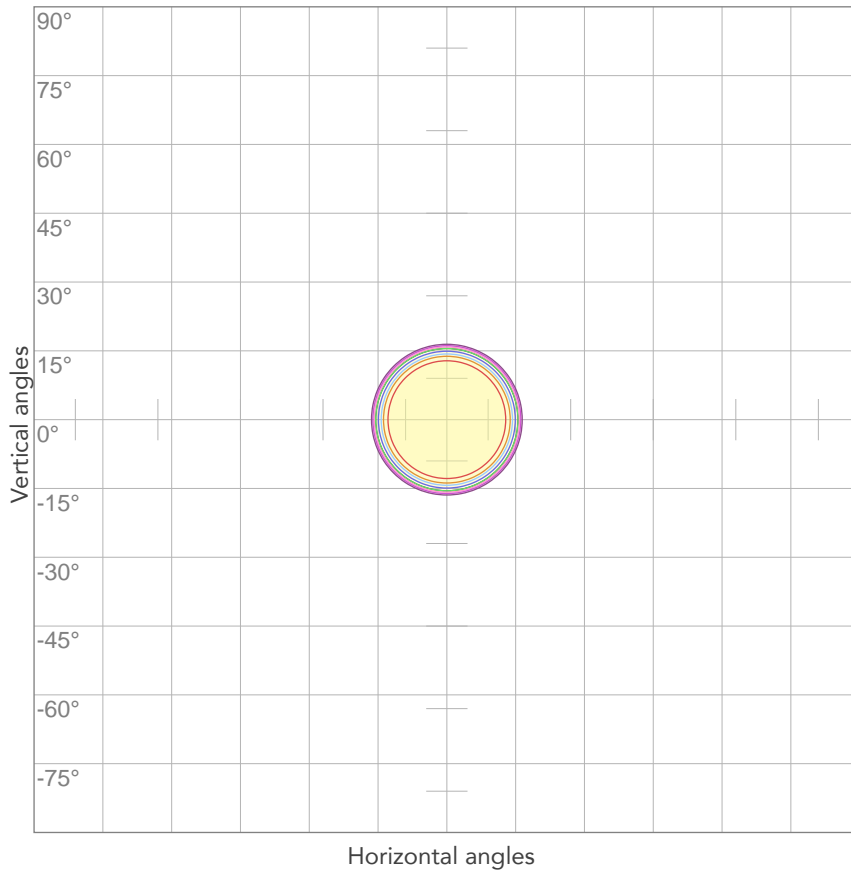
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,137A	29,1W	17lm/W

ISO CANDELA DIAGRAM



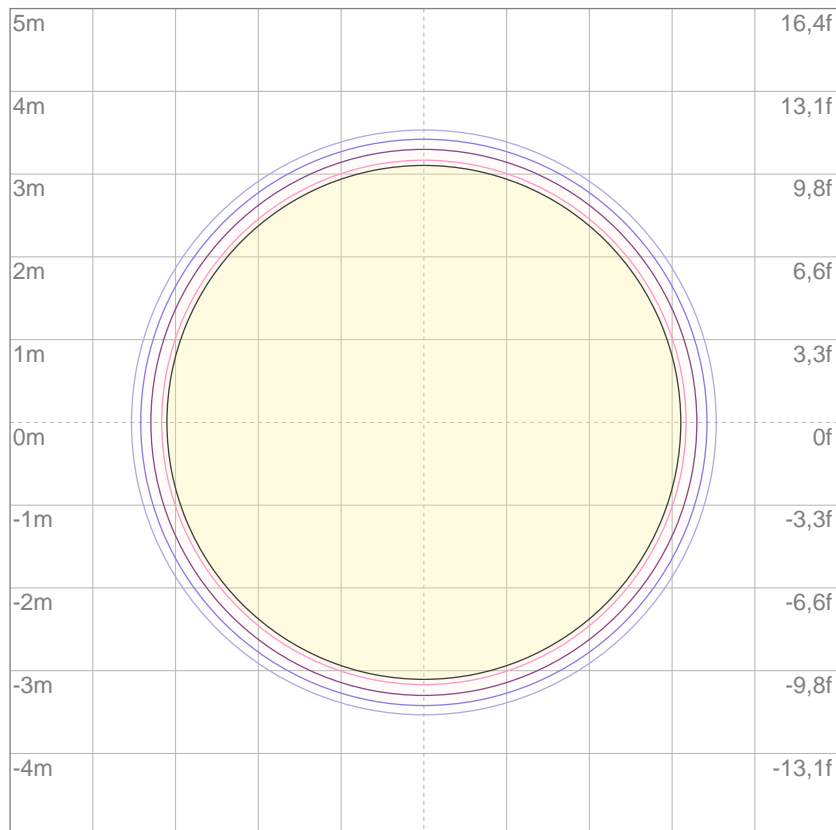
10%	186 cd
20%	372 cd
30%	558 cd
40%	745 cd
50%	931 cd
60%	1117 cd
70%	1303 cd
80%	1489 cd

Conditions:

Number of c-planes: 2

Candela at center: 1861 cd

ISO LUX DIAGRAM



3%	0,558 lx
5%	0,931 lx
10%	1,86 lx
30%	5,58 lx
50%	9,31 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:

518 lm

Peak candela output:

6901 cd

Light quality:

CRI: 67,1

Color temperature:

5534 K

PRODUCT NAME:

Gallery Ecl FC

MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

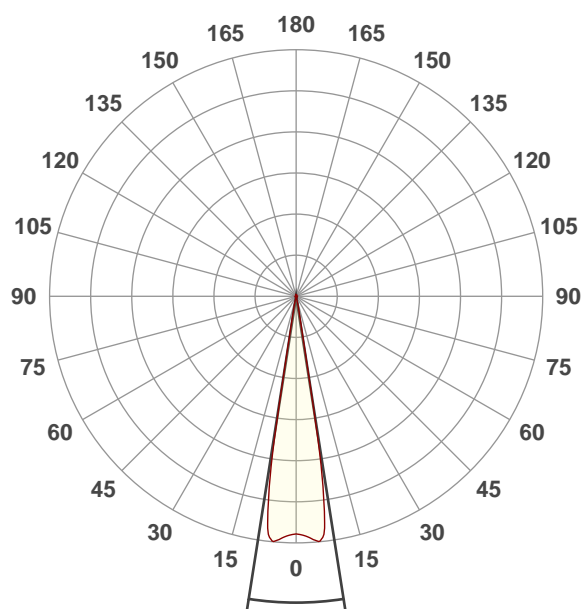
6000K

Operator:

Paolo Carvone

Date and time:

07/05/2020 11:00:39

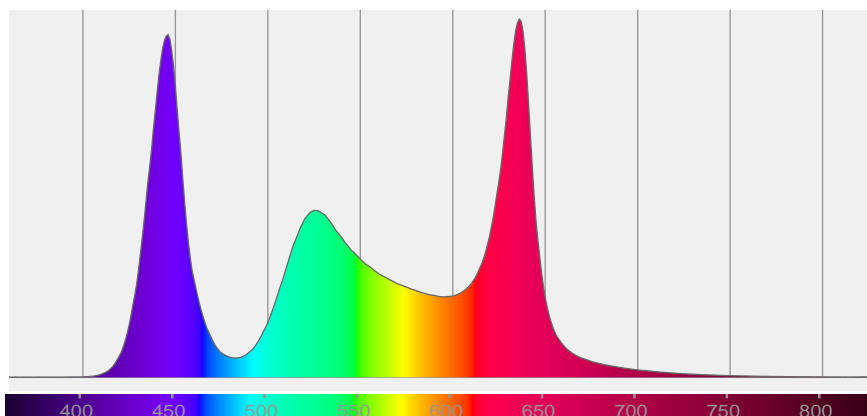


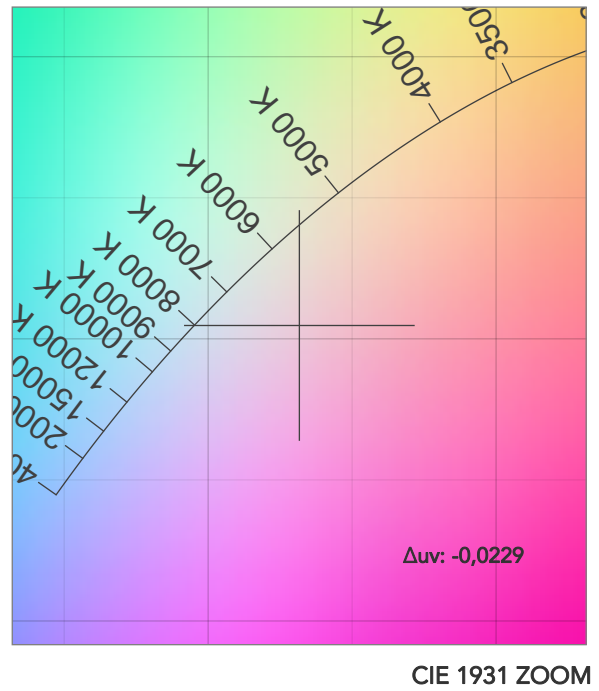
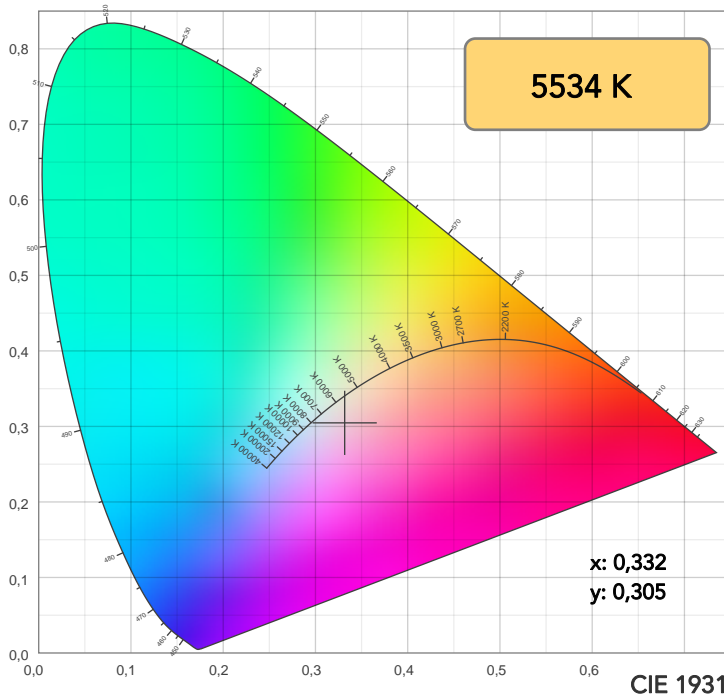
Beam angle 50%: 17,8°

Field angle 10%: 19,9°

Cut off angle 2.5%: 21,9°

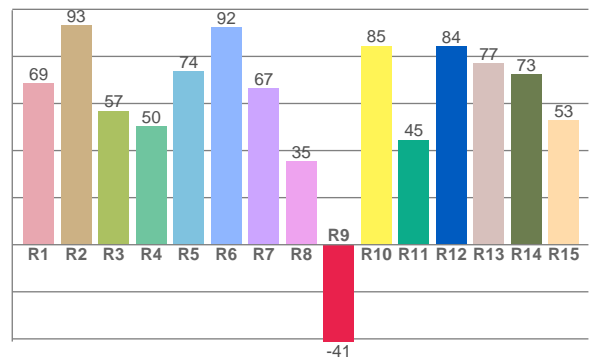
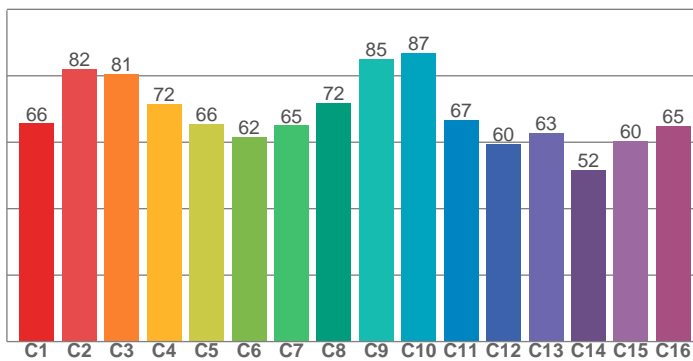
Spectra





TM30: 69,7

CRI: 67,1 (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
68,6	93,2	56,9	50,2	73,6	92,5	66,5	35,5	-41,2	84,5	44,6	84,2	77,2	72,5	52,8

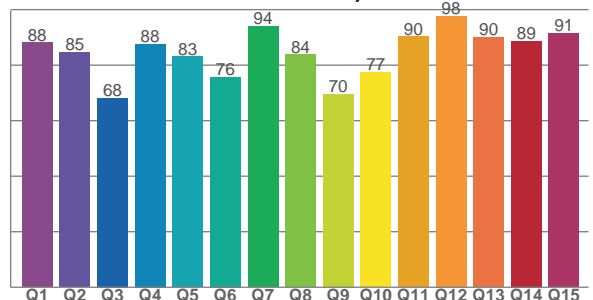
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
65,7	82,2	80,5	71,5	65,5	61,6	65,1	71,9	85,1	86,9	66,7	59,5	62,8	51,7	60,5	64,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88,1	84,6	68,1	87,7	83,1	75,8	94,0	83,8	69,6	77,4	90,2	97,7	90,0	88,7	91,5

CQS: 82,6



COLOR PARAMETERS

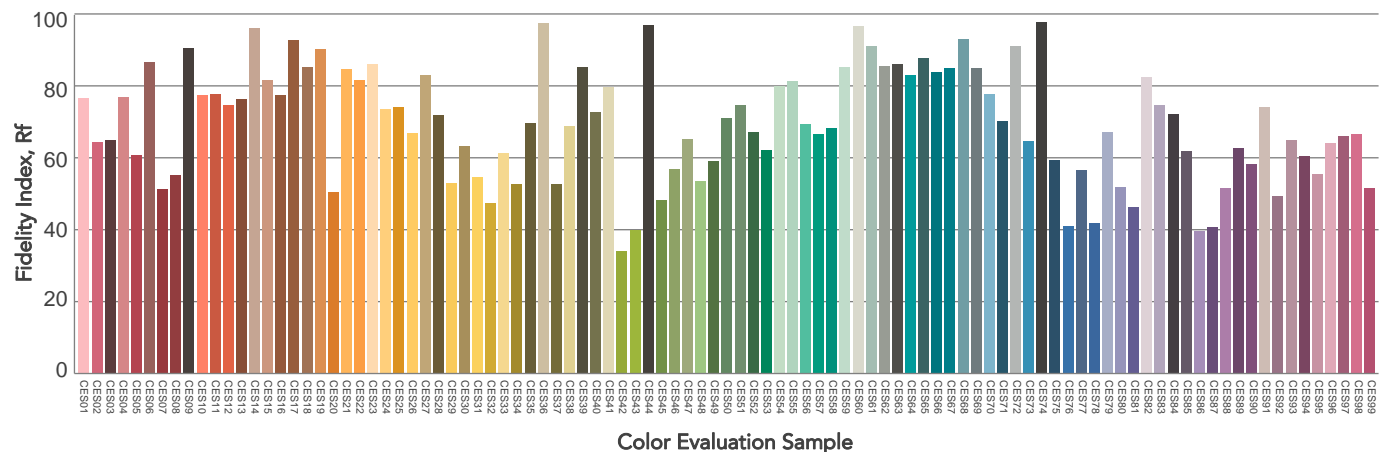
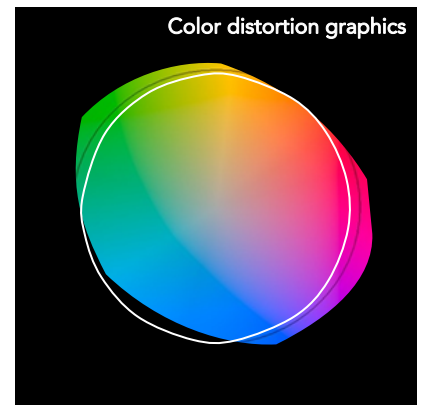
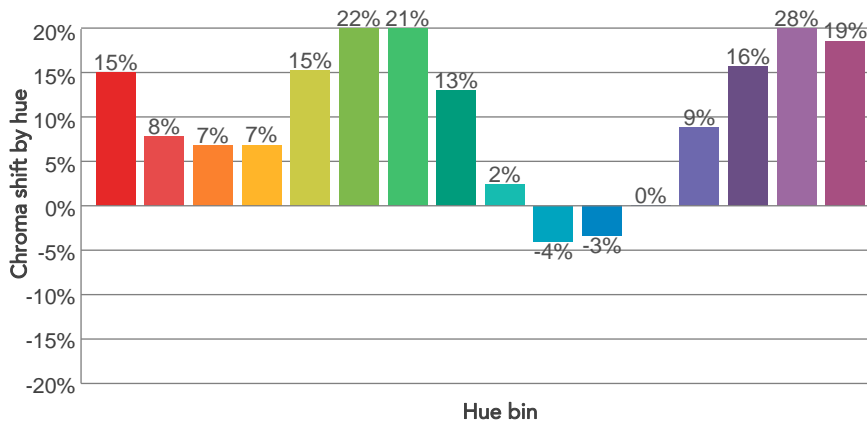
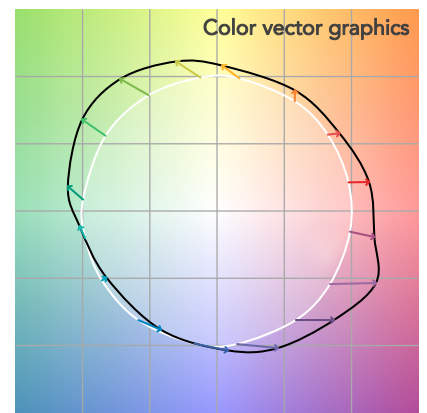
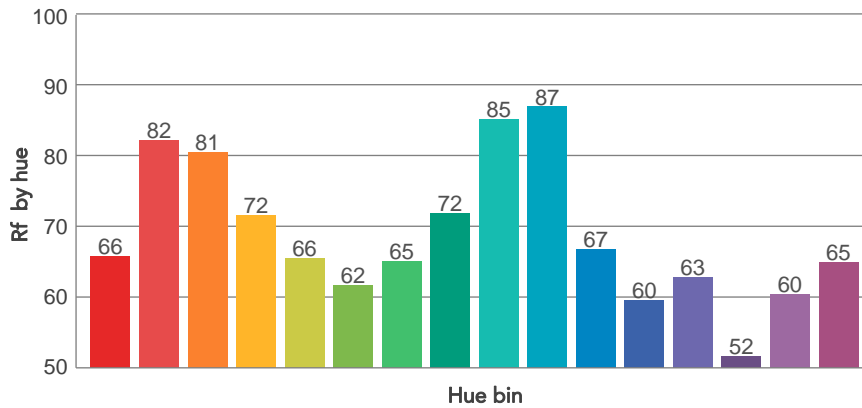
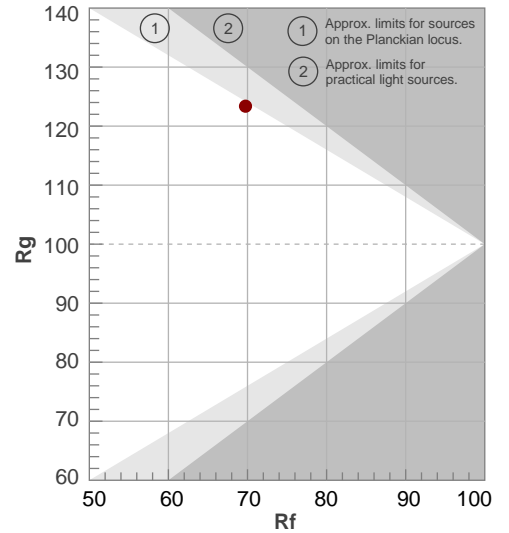
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5534 K	67,1	-41,2	69,7	123,4	82,6	62	0,332	0,305	-0,0229

TM30 DETAILS

Rf 69,7
Fidelity index Rf

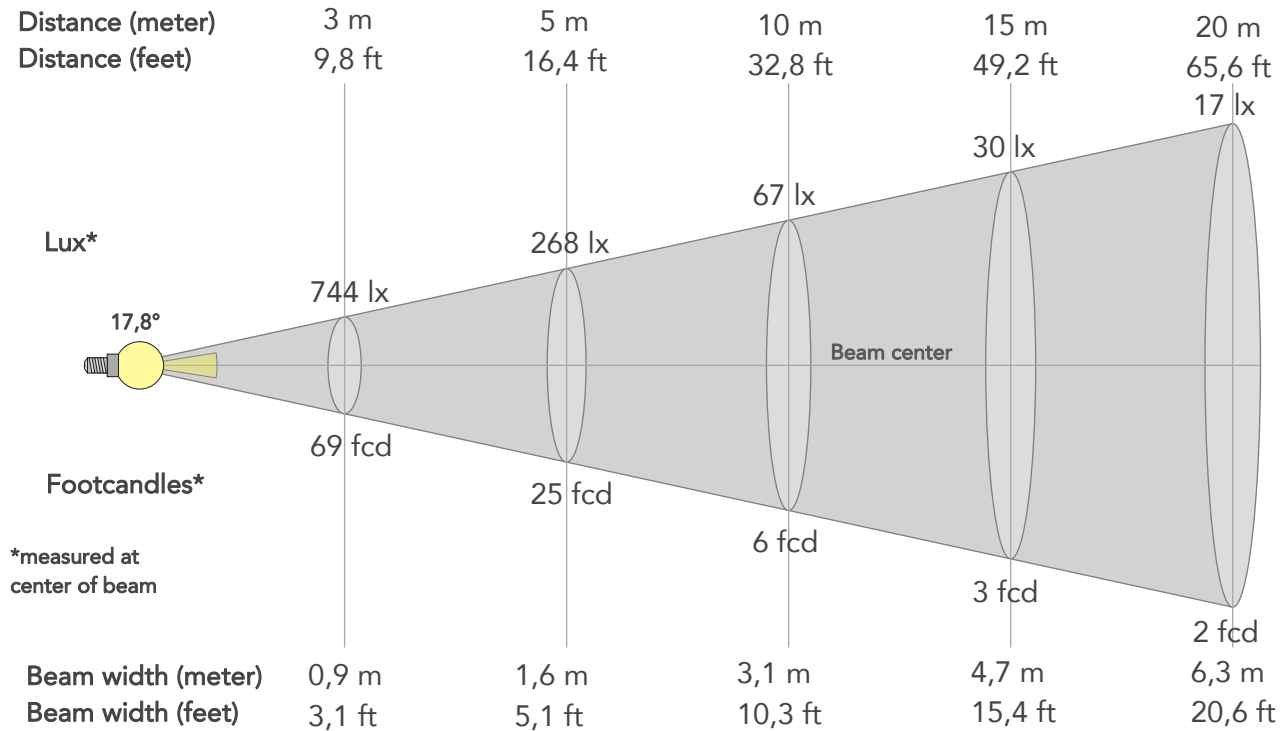
Rg 123,4
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	66	15%	-3%
2	82	8%	-4%
3	81	7%	4%
4	72	7%	14%
5	66	15%	16%
6	62	22%	11%
7	65	21%	0%
8	72	13%	-7%
9	85	2%	-10%
10	87	-4%	0%
11	67	-3%	18%
12	60	0%	25%
13	63	9%	29%
14	52	16%	24%
15	60	28%	20%
16	65	19%	0%



BEAM DETAILS

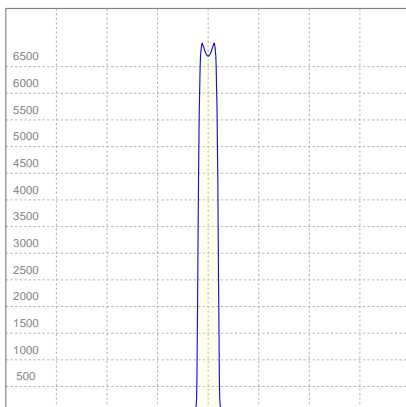
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,8°	19,9°	21,9°	99,5%	99,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6696lx	1674lx	744lx	419lx	268lx	119lx	67lx	30lx	17lx	11lx	7lx	4lx	3lx
Footcand.	622fcd	156fcd	69fcd	39fcd	25fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,9m	1,3m	1,6m	2,4m	3,1m	4,7m	6,3m	7,8m	9,4m	12,5m	15,7m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,1ft	7,7ft	10,3ft	15,4ft	20,6ft	25,7ft	30,8ft	41,1ft	51,4ft

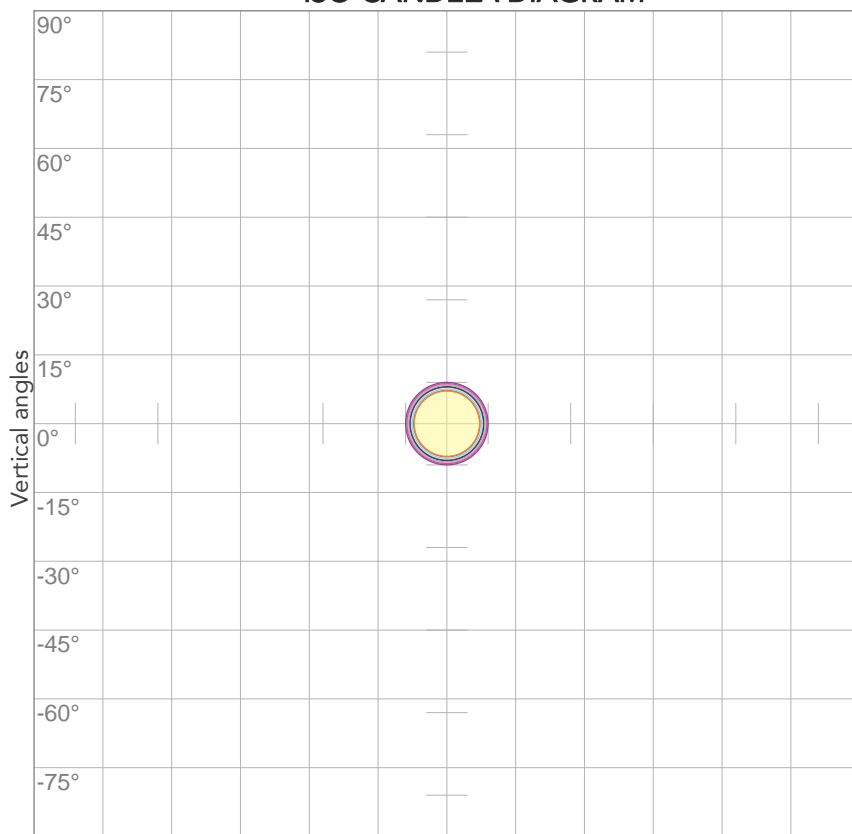
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,138A	29,1W	18lm/W

ISO CANDELA DIAGRAM



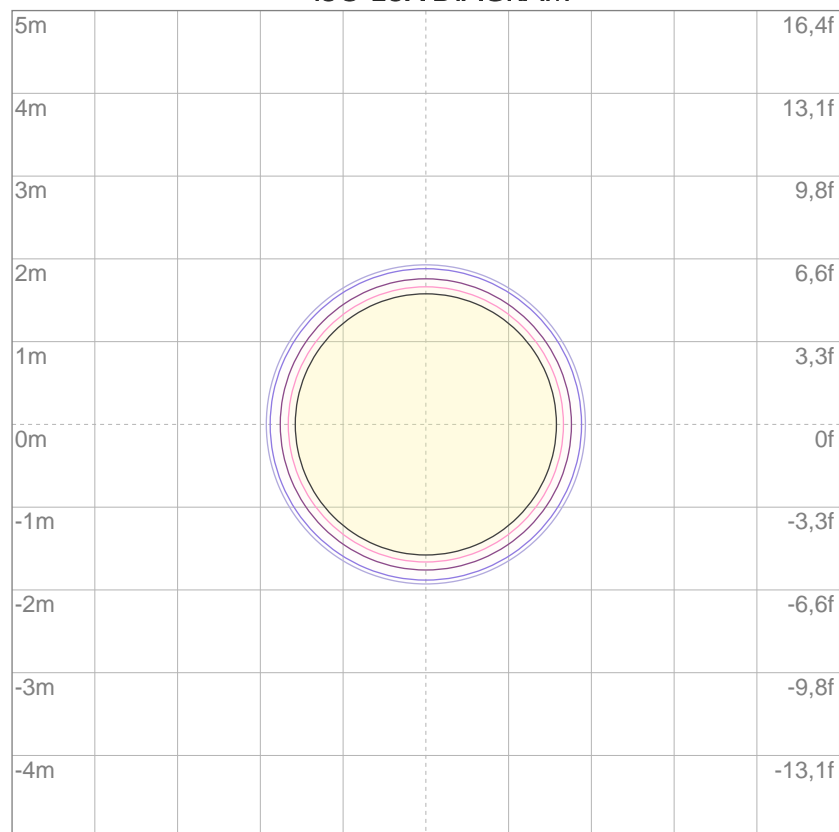
10%	670 cd
20%	1339 cd
30%	2009 cd
40%	2679 cd
50%	3348 cd
60%	4018 cd
70%	4688 cd
80%	5357 cd

Conditions:

Number of c-planes: 2

Candela at center: 6696 cd

ISO LUX DIAGRAM



3%	2,01 lx
5%	3,35 lx
10%	6,70 lx
30%	20,1 lx
50%	33,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 67,0 lx

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

Mounting height: 10 meters (33 feet)