

Photometric Test Report



ECLCTPLUS IP PRL15-30

Waterproofed high quality six colours LED ellipsoidal, Tunable White and colour mixing

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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:

6664 lm

Peak candela output:

45000 cd

PRODUCT NAME:

ECLCTPLUS IP

MEASURAMENT CONDITIONS:

Beam angle:

PRL15-30 Max Zoom

Target:

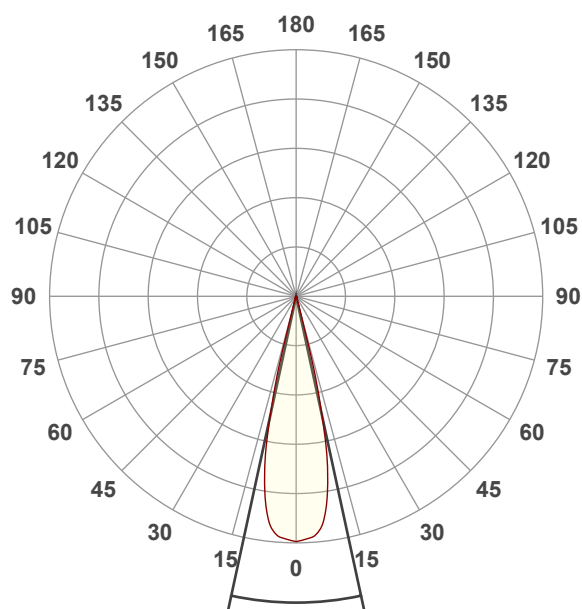
Full On HQ

Operator:

Paolo Carvone

Date and time:

15/07/2020 13:03:13

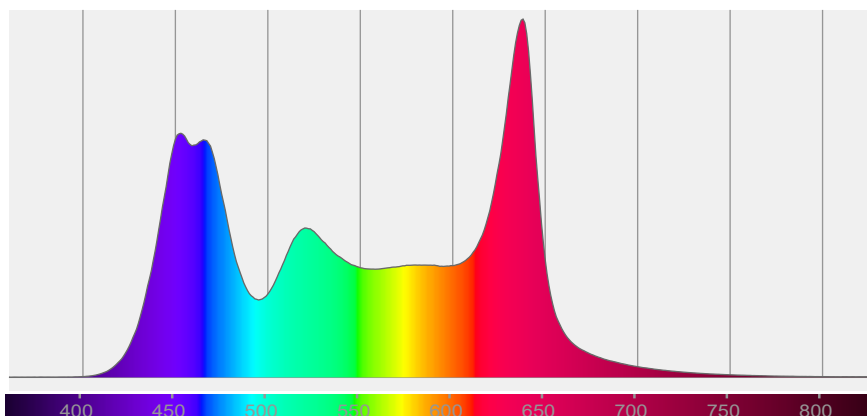


Beam angle 50%: 24,5°

Field angle 10%: 30,6°

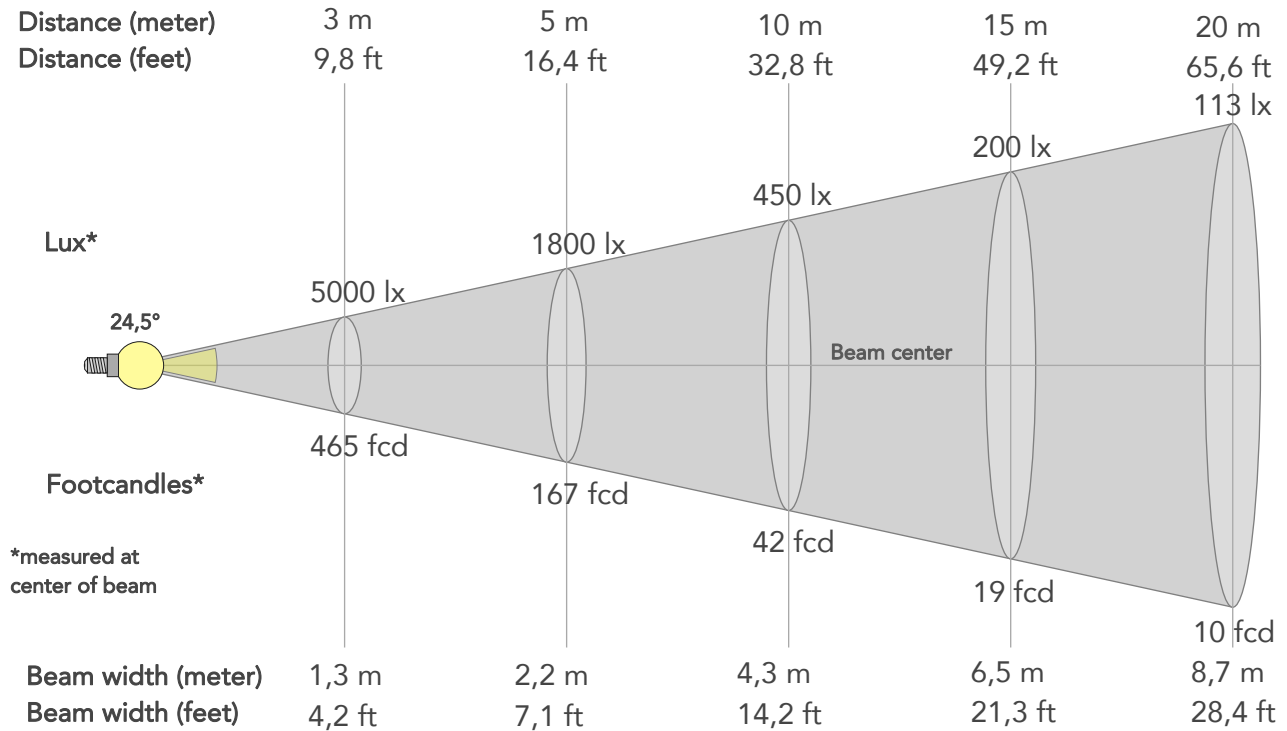
Cut off angle 2.5%: 34,1°

Spectra



BEAM DETAILS

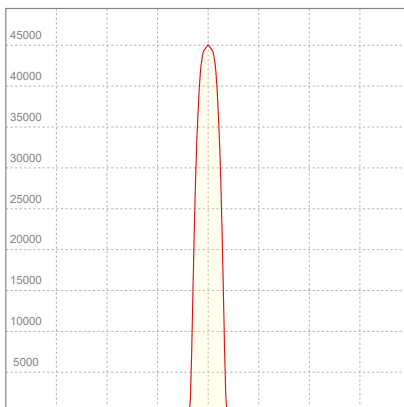
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24,5°	30,6°	34,1°	99,5%	98,9%



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	45000lx	11250lx	5000lx	2813lx	1800lx	800lx	450lx	200lx	113lx	72lx	50lx	28lx	18lx
Footcand.	4181fcd	1045fcd	465fcd	261fcd	167fcd	74fcd	42fcd	19fcd	10fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	0,4m	0,9m	1,3m	1,7m	2,2m	3,3m	4,3m	6,5m	8,7m	10,8m	13m	17,3m	21,7m
Beam wid.	1,4ft	2,9ft	4,2ft	5,7ft	7,1ft	10,7ft	14,2ft	21,3ft	28,4ft	35,5ft	42,7ft	56,9ft	71,1ft

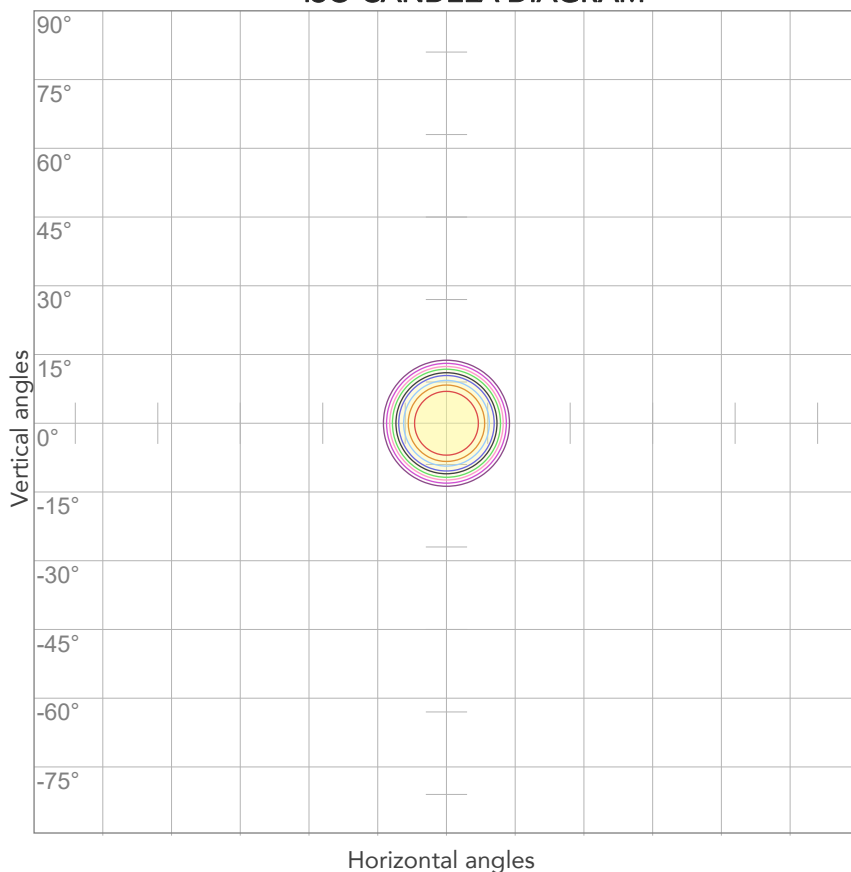
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,23A	265,1W	25lm/W
Power FC			
0,96			

ISO CANDELA DIAGRAM



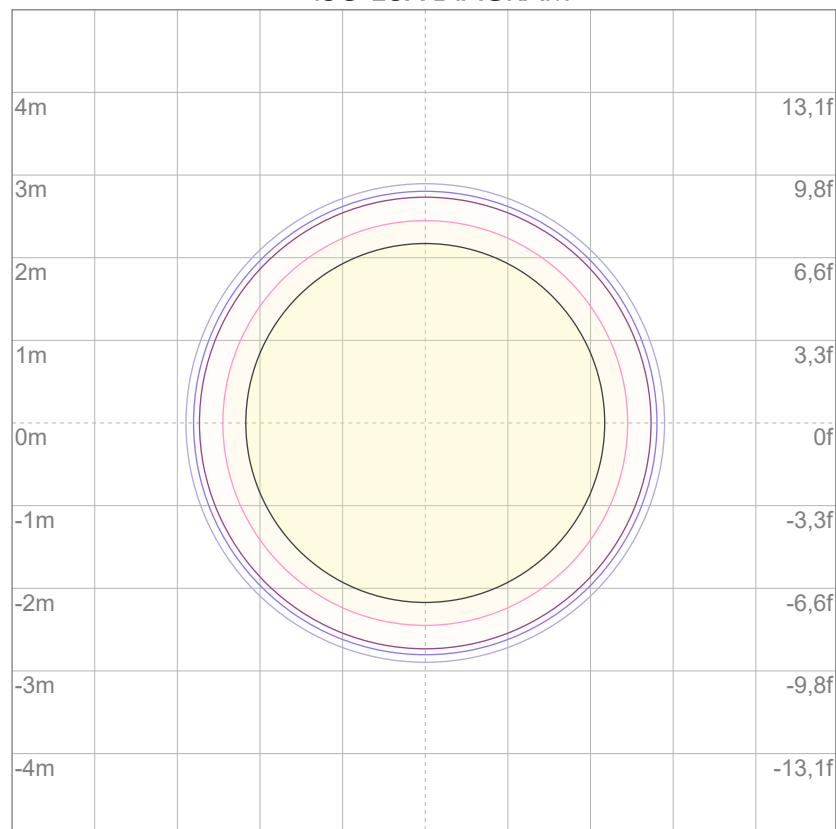
10%	4500 cd
20%	9000 cd
30%	13500 cd
40%	18000 cd
50%	22500 cd
60%	27000 cd
70%	31500 cd
80%	36000 cd

Conditions:

Number of c-planes: 2

Candela at center: 45000 cd

ISO LUX DIAGRAM



3%	13,5 lx
5%	22,5 lx
10%	45,0 lx
30%	135 lx
50%	225 lx

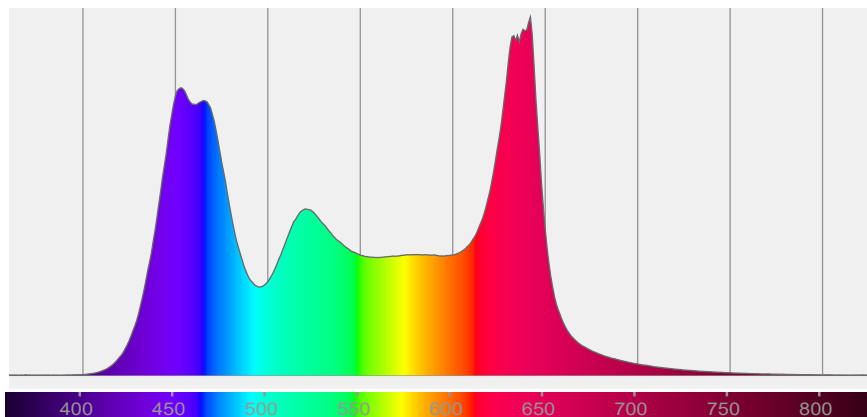
Conditions:

Number of c-planes: 2

Lux at center: 450 lx

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

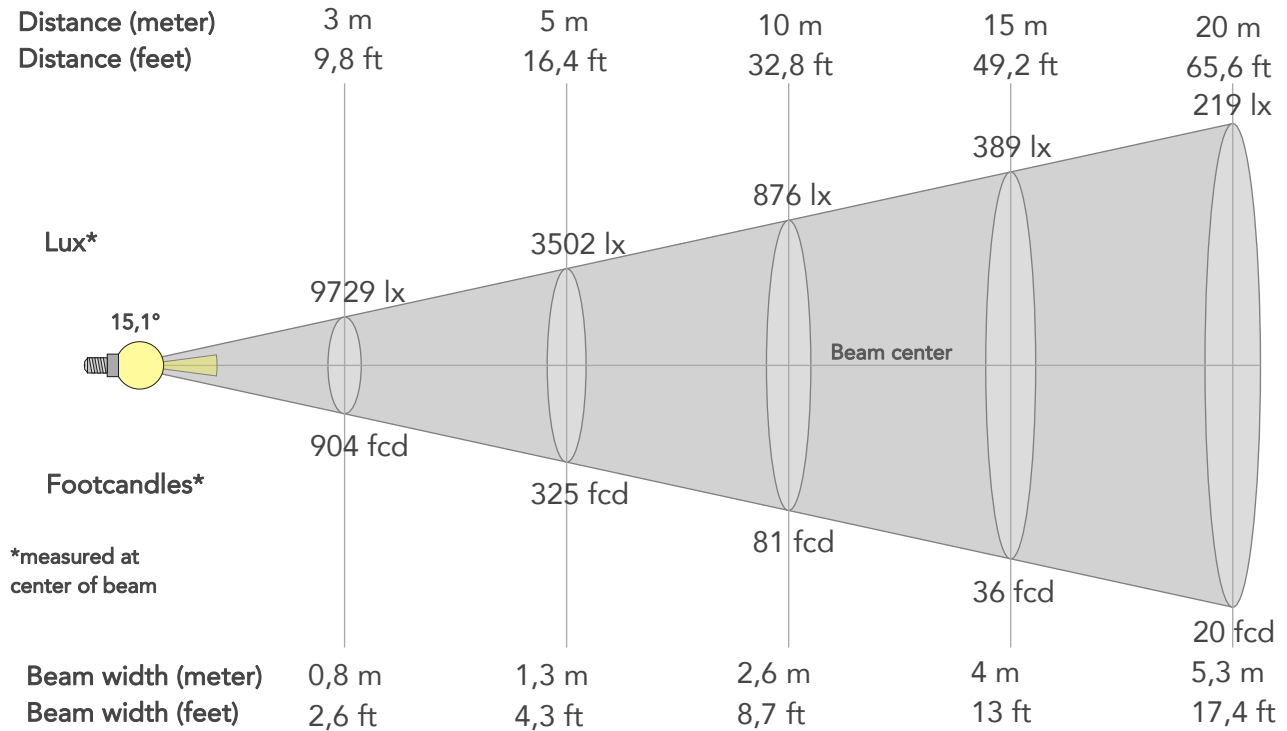
87561 cd



BEAM DETAILS



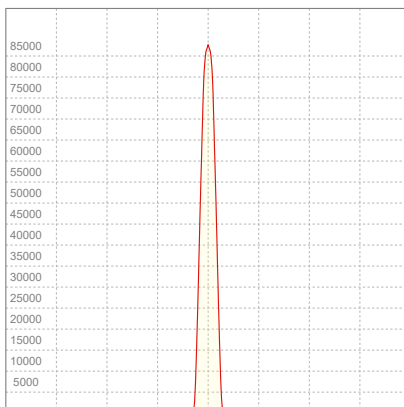
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,1°	22,2°	24,6°	100,0%	100,0%



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	87561lx	21890lx	9729lx	5473lx	3502lx	1557lx	876lx	389lx	219lx	140lx	97lx	55lx	35lx
Footcand.	8135fcd	2034fcd	904fcd	508fcd	325fcd	145fcd	81fcd	36fcd	20fcd	13fcd	9fcd	5fcd	3fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,3m	2m	2,6m	4m	5,3m	6,6m	7,9m	10,6m	13,2m
Beam wid.	0,9ft	1,7ft	2,6ft	3,5ft	4,3ft	6,5ft	8,7ft	13ft	17,4ft	21,7ft	26ft	34,7ft	43,4ft

LINEAR DISTRIBUTION DIAGRAM

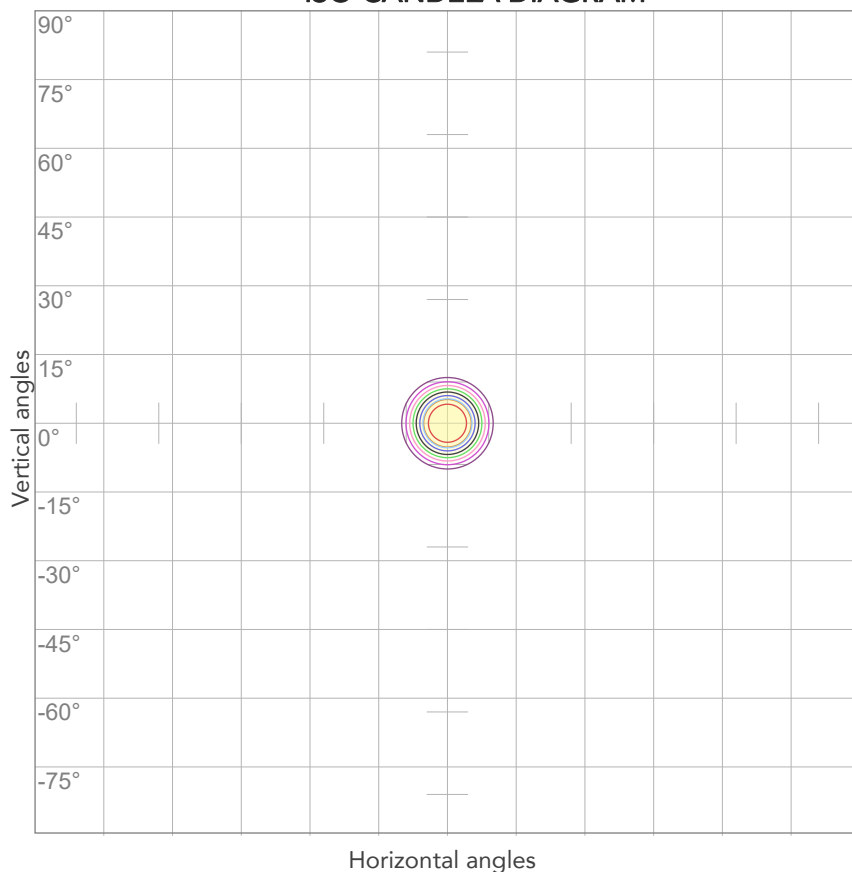


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,22A	264,1W	20lm/W

Power FC
0,96

ISO CANDELA DIAGRAM



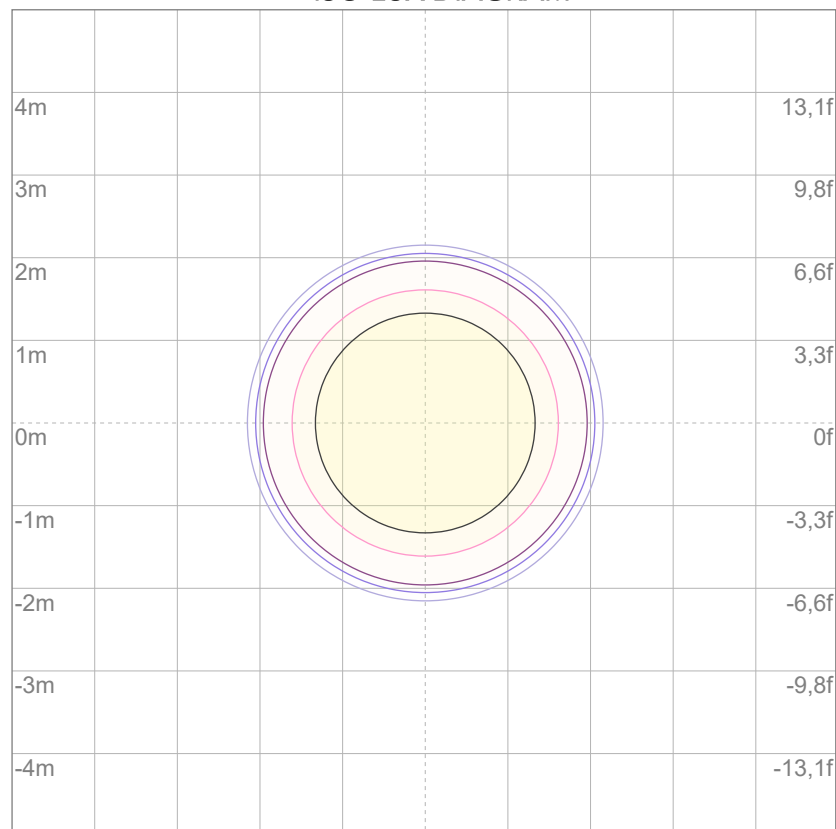
10%	8756 cd
20%	17512 cd
30%	26268 cd
40%	35024 cd
50%	43781 cd
60%	52537 cd
70%	61293 cd
80%	70049 cd

Conditions:

Number of c-planes: 2

Candela at center: 87561 cd

ISO LUX DIAGRAM



3%	26,3 lx
5%	43,8 lx
10%	87,6 lx
30%	263 lx
50%	438 lx

Conditions:

Number of c-planes: 2

Lux at center: 876 lx

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



Total lumen output:

1019 lm

Peak candela output:

5901 cd

PRODUCT NAME:

ECLCTPLUS IP

MEASURAMENT CONDITIONS:

Beam angle:

PRL15-30 Max Zoom

Target:

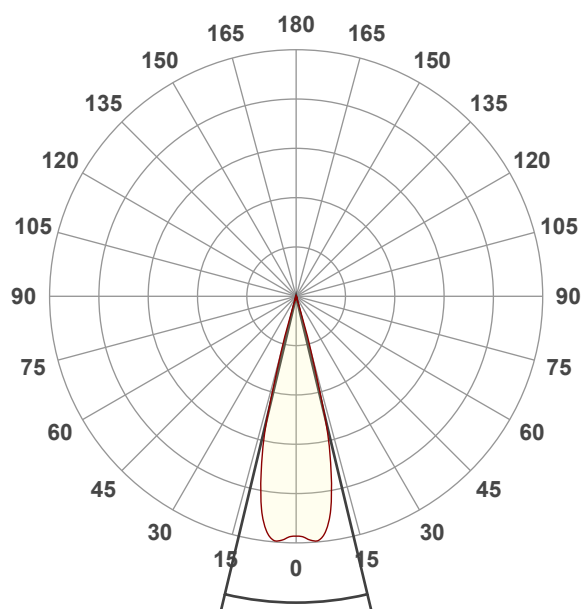
Red HQ

Operator:

Paolo Carvone

Date and time:

15/07/2020 11:55:34

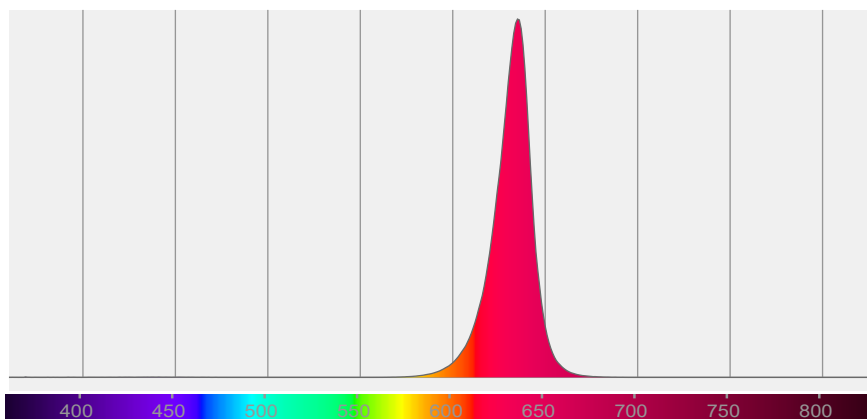


Beam angle 50%: 26,9°

Field angle 10%: 33°

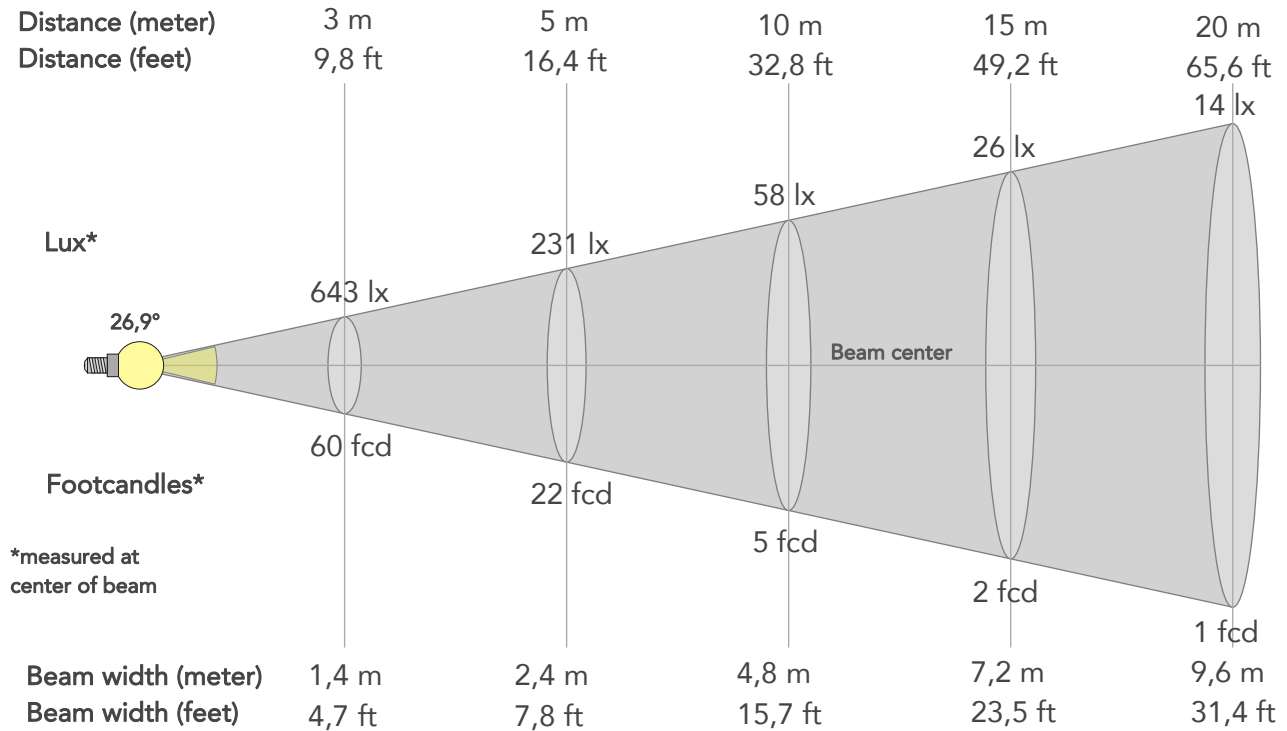
Cut off angle 2.5%: 35,8°

Spectra



BEAM DETAILS

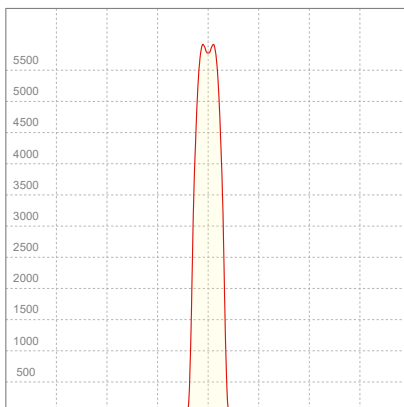
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
26,9°	33°	35,8°	99,8%	99,5%



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	5786lx	1447lx	643lx	362lx	231lx	103lx	58lx	26lx	14lx	9lx	6lx	4lx	2lx
Footcand.	538fcd	134fcd	60fcd	34fcd	22fcd	10fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,4m	1,9m	2,4m	3,6m	4,8m	7,2m	9,6m	12m	14,4m	19,1m	23,9m
Beam wid.	1,6ft	3,2ft	4,7ft	6,3ft	7,8ft	11,8ft	15,7ft	23,5ft	31,4ft	39,2ft	47,1ft	62,8ft	78,5ft

LINEAR DISTRIBUTION DIAGRAM

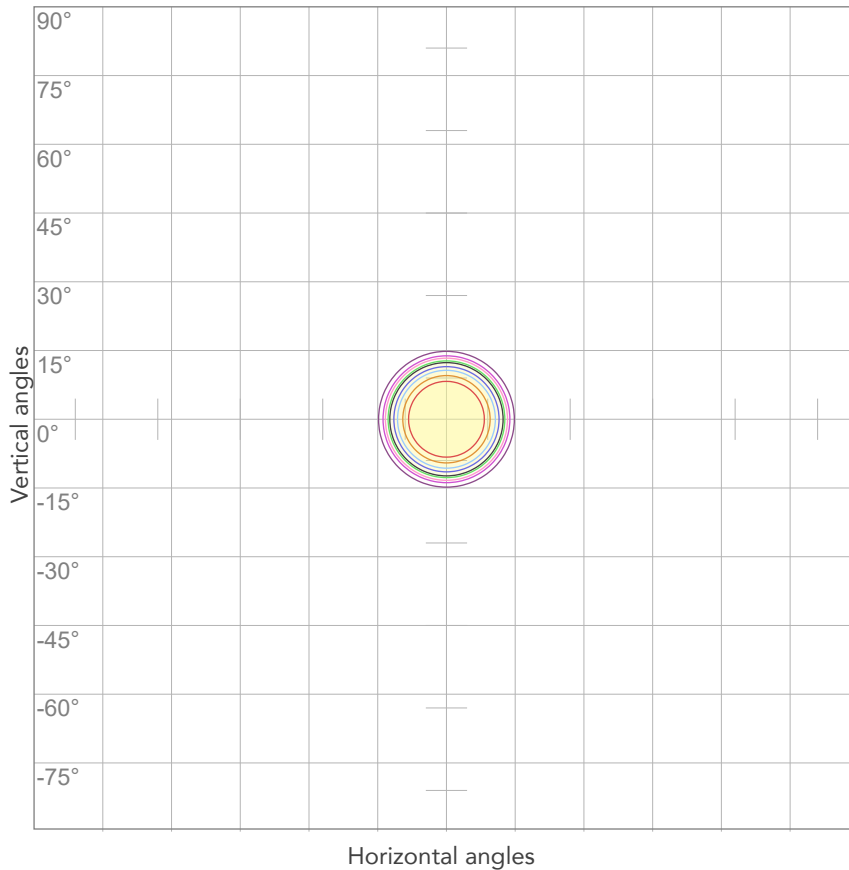


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,315A	51,2W	20lm/W

Power FC
0,71

ISO CANDELA DIAGRAM



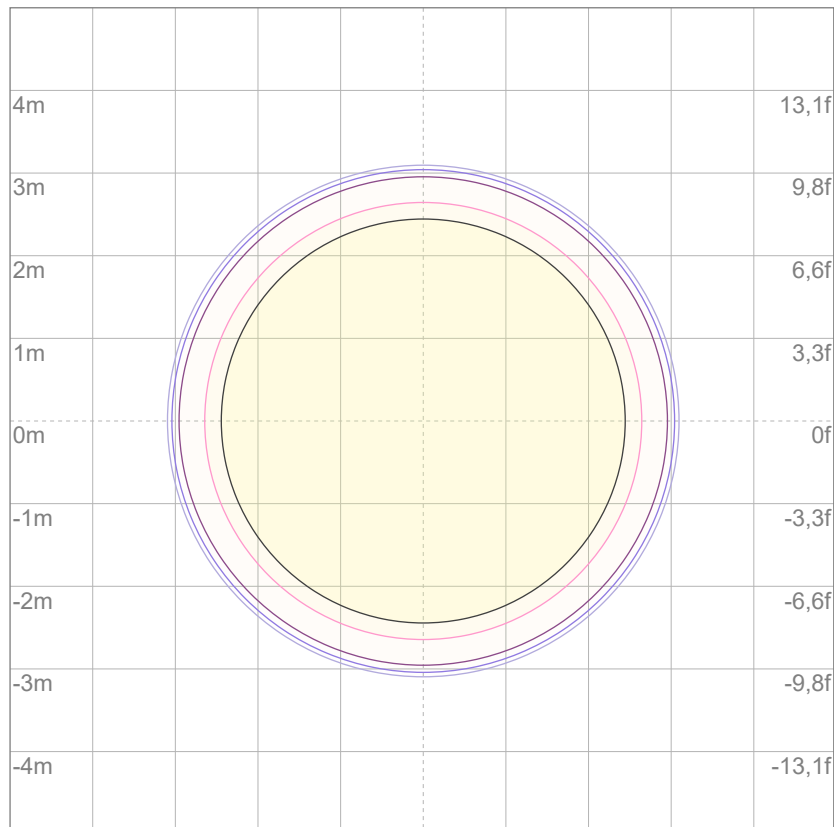
10%	579 cd
20%	1157 cd
30%	1736 cd
40%	2314 cd
50%	2893 cd
60%	3472 cd
70%	4050 cd
80%	4629 cd

Conditions:

Number of c-planes: 2

Candela at center: 5786 cd

ISO LUX DIAGRAM



3%	1,74 lx
5%	2,89 lx
10%	5,79 lx
30%	17,4 lx
50%	28,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 57,9 lx

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



Total lumen output:

828 lm

Peak candela output:

12993 cd

PRODUCT NAME:

ECLCTPLUS IP

MEASURAMENT CONDITIONS:

Beam angle:

PRL15-30 Min Zoom

Target:

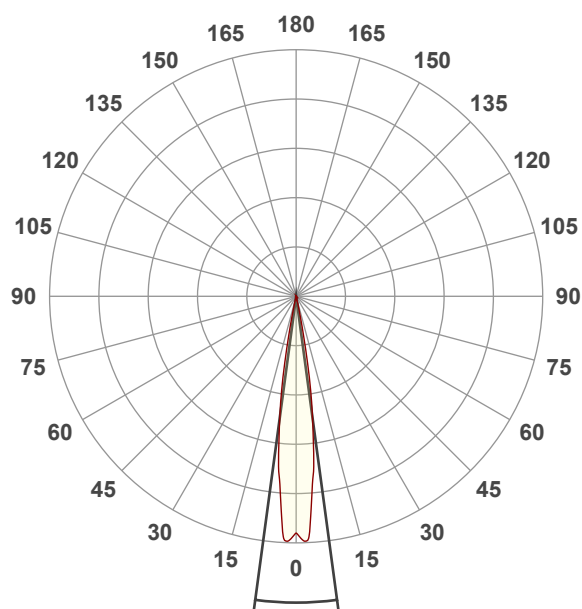
Red HQ

Operator:

Paolo Carvone

Date and time:

15/07/2020 12:47:54

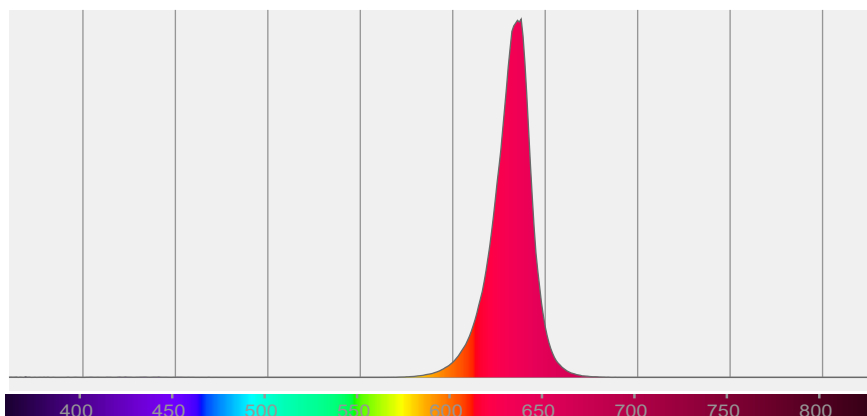


Beam angle 50%: 15,3°

Field angle 10%: 22,9°

Cut off angle 2.5%: 25,7°

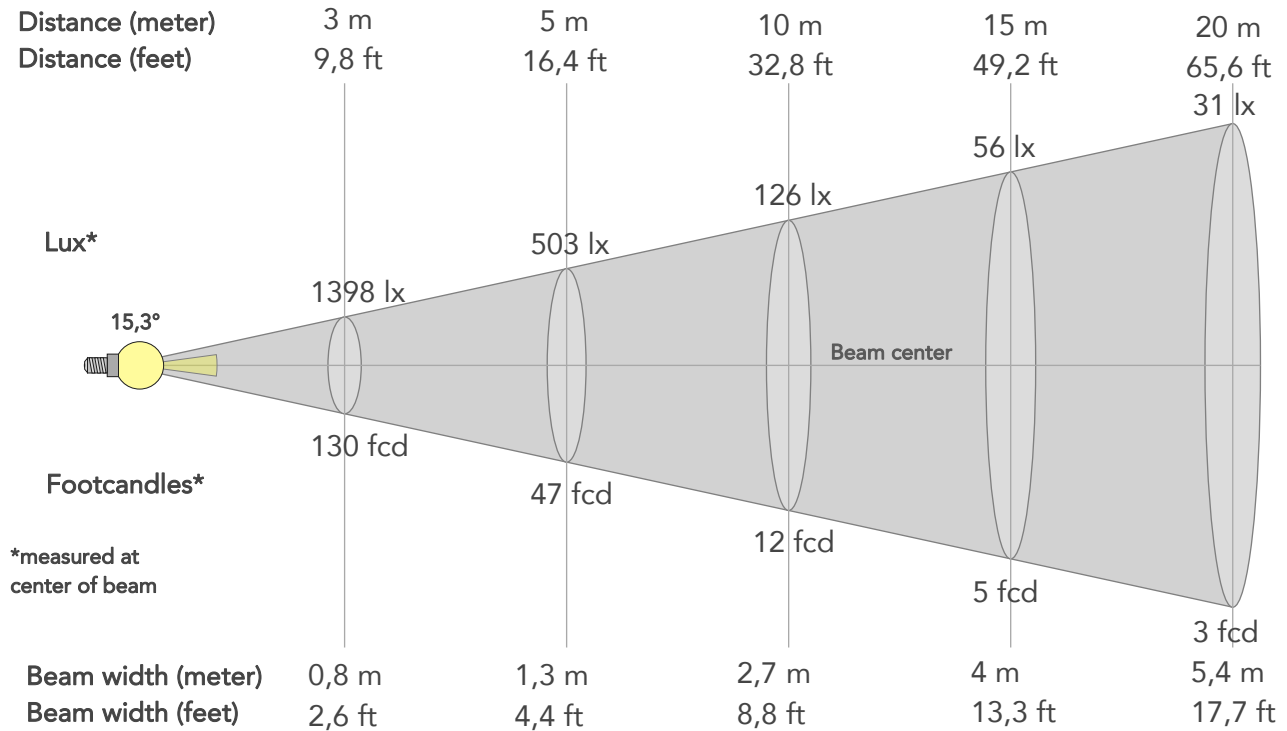
Spectra



BEAM DETAILS



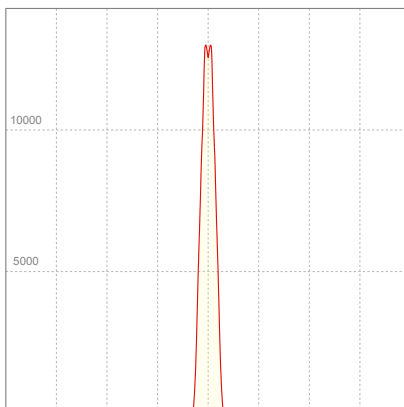
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,3°	22,9°	25,7°	100,0%	99,9%



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	12585lx	3146lx	1398lx	787lx	503lx	224lx	126lx	56lx	31lx	20lx	14lx	8lx	5lx
Footcand.	1169fcd	292fcd	130fcd	73fcd	47fcd	21fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,3m	2m	2,7m	4m	5,4m	6,7m	8,1m	10,8m	13,5m
Beam wid.	0,9ft	1,8ft	2,6ft	3,5ft	4,4ft	6,6ft	8,8ft	13,3ft	17,7ft	22,1ft	26,5ft	35,4ft	44,2ft

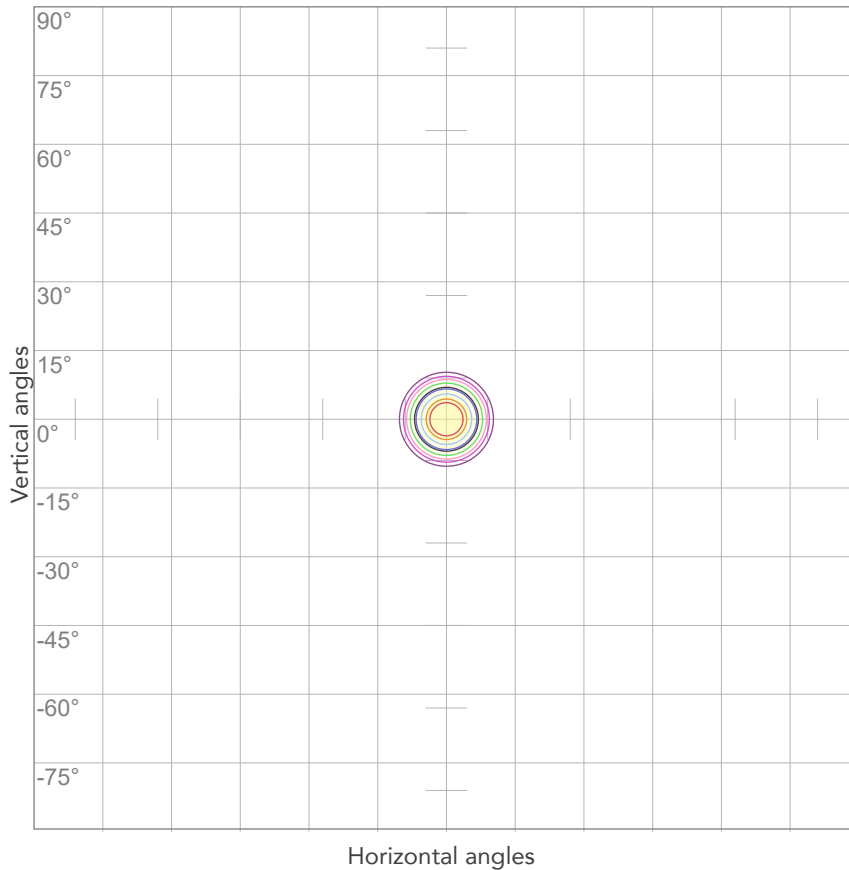
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,323A	53,5W	15lm/W
Power FC			
0,73			

ISO CANDELA DIAGRAM



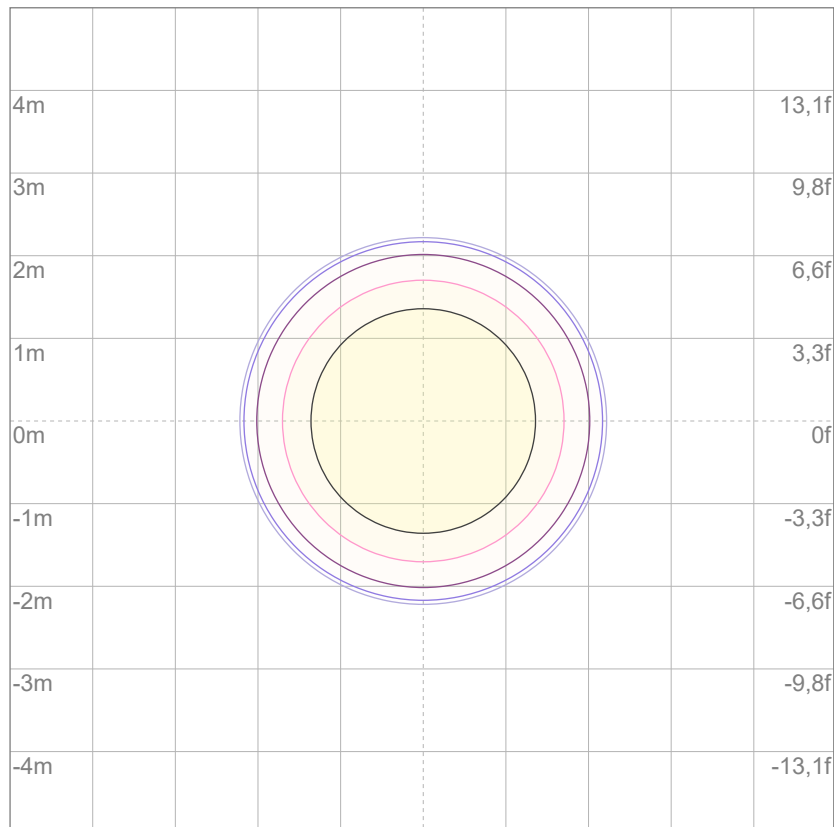
10%	1259 cd
20%	2517 cd
30%	3776 cd
40%	5034 cd
50%	6293 cd
60%	7551 cd
70%	8810 cd
80%	10068 cd

Conditions:

Number of c-planes: 2

Candela at center: 12585 cd

ISO LUX DIAGRAM



3%	3,78 lx
5%	6,29 lx
10%	12,6 lx
30%	37,8 lx
50%	62,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 126 lx

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



Total lumen output:

1107 lm

Peak candela output:

6840 cd

PRODUCT NAME:

ECLCTPLUS IP

MEASURAMENT CONDITIONS:

Beam angle:

PRL15-30 Max Zoom

Target:

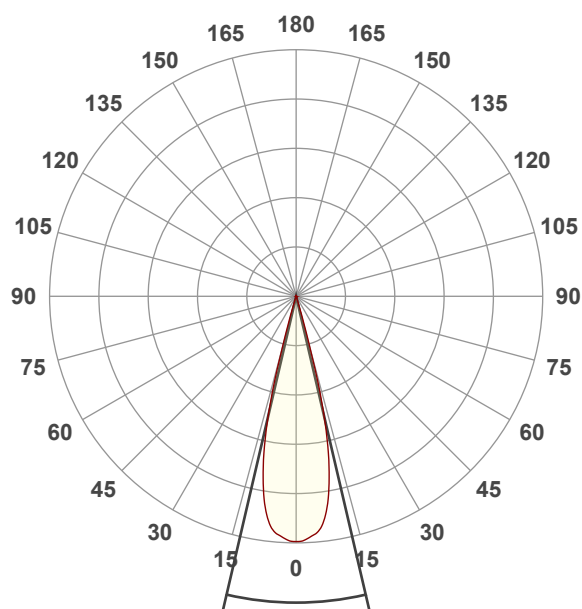
Green HQ

Operator:

Paolo Carvone

Date and time:

15/07/2020 11:57:08

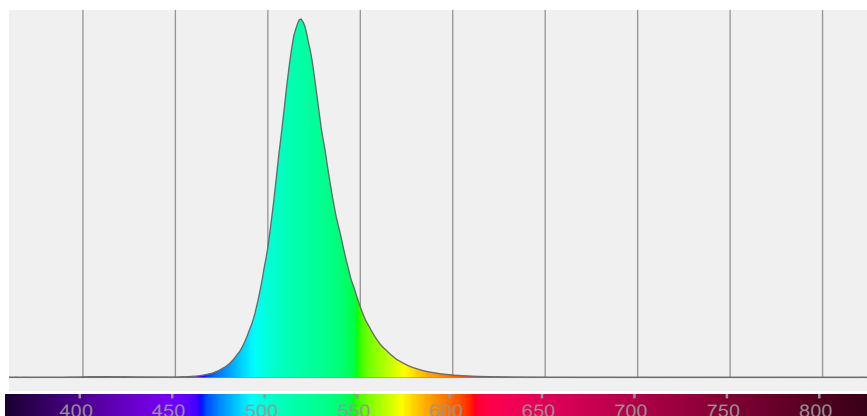


Beam angle 50%: 26,3°

Field angle 10%: 32,4°

Cut off angle 2.5%: 34,9°

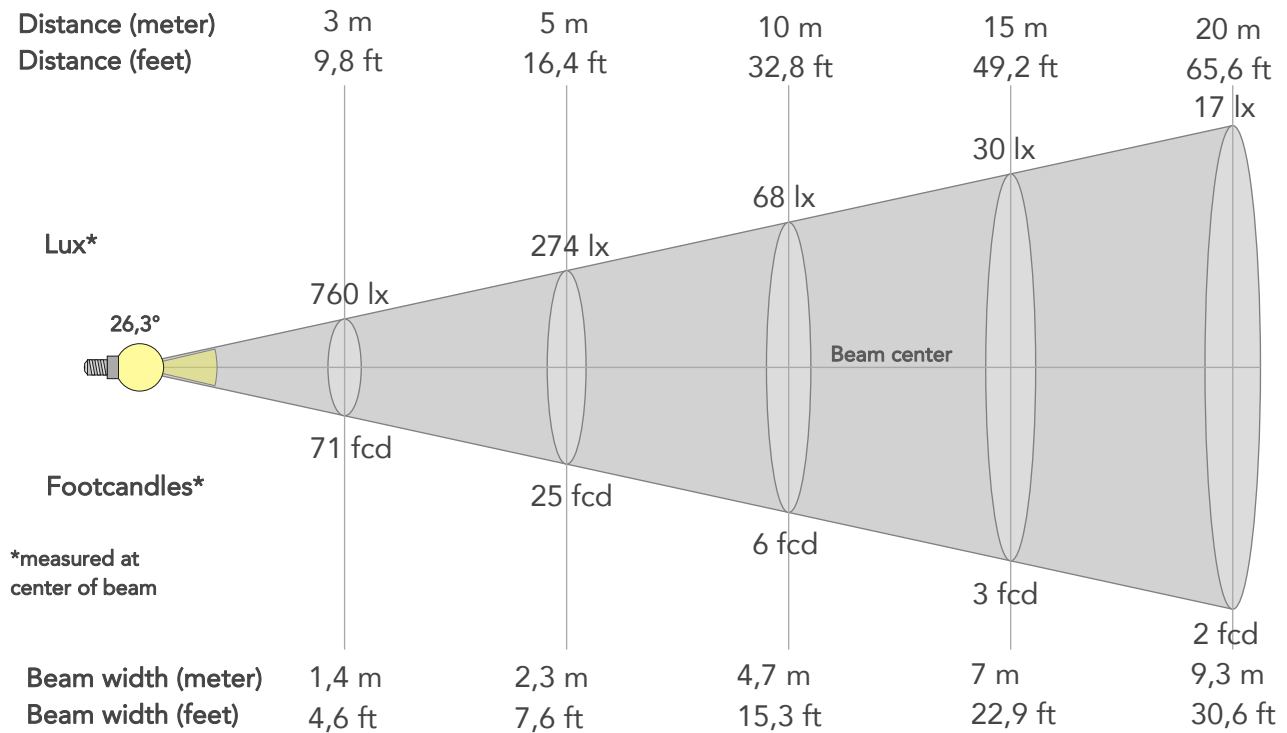
Spectra



BEAM DETAILS



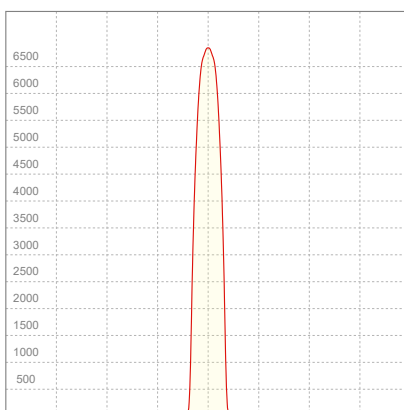
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
26,3°	32,4°	34,9°	99,8%	99,5%



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	6840lx	1710lx	760lx	428lx	274lx	122lx	68lx	30lx	17lx	11lx	8lx	4lx	3lx
Footcand.	635fcd	159fcd	71fcd	40fcd	25fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,5m	0,9m	1,4m	1,9m	2,3m	3,5m	4,7m	7m	9,3m	11,7m	14m	18,7m	23,3m
Beam wid.	1,5ft	3,1ft	4,6ft	6,1ft	7,6ft	11,5ft	15,3ft	22,9ft	30,6ft	38,2ft	45,9ft	61,2ft	76,5ft

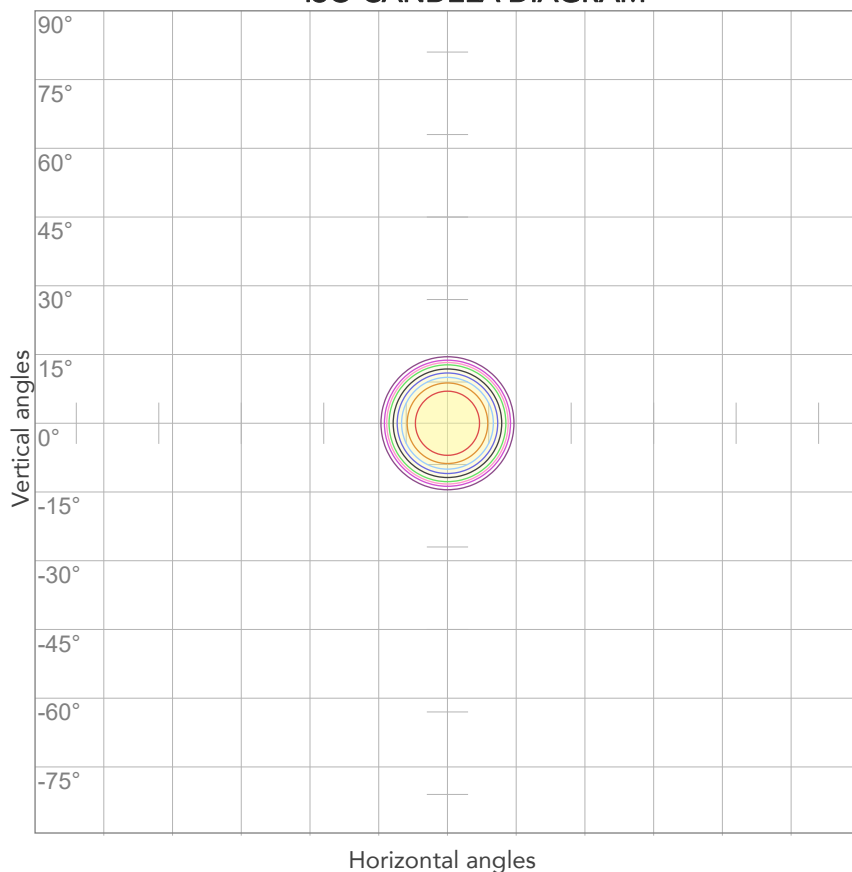
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
229V	0,297A	47,2W	23lm/W
Power FC			
0,69			

ISO CANDELA DIAGRAM



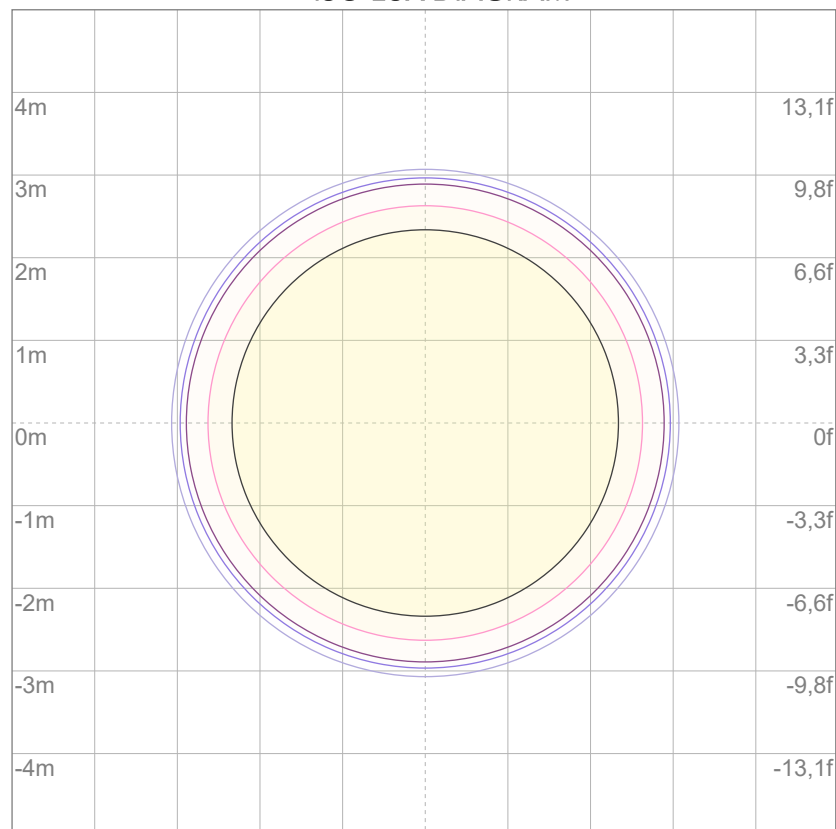
10%	684 cd
20%	1368 cd
30%	2052 cd
40%	2736 cd
50%	3420 cd
60%	4104 cd
70%	4788 cd
80%	5472 cd

Conditions:

Number of c-planes: 2

Candela at center: 6840 cd

ISO LUX DIAGRAM



3%	2,05 lx
5%	3,42 lx
10%	6,84 lx
30%	20,5 lx
50%	34,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 68,4 lx

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



Total lumen output:

893 lm

Peak candela output:

16690 cd

PRODUCT NAME:

ECLCTPLUS IP

MEASURAMENT CONDITIONS:

Beam angle:

PRL15-30 Min Zoom

Target:

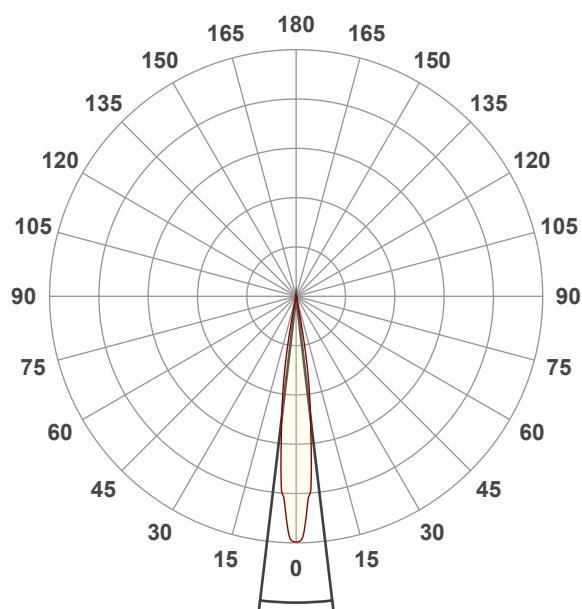
Green HQ

Operator:

Paolo Carvone

Date and time:

15/07/2020 12:49:29

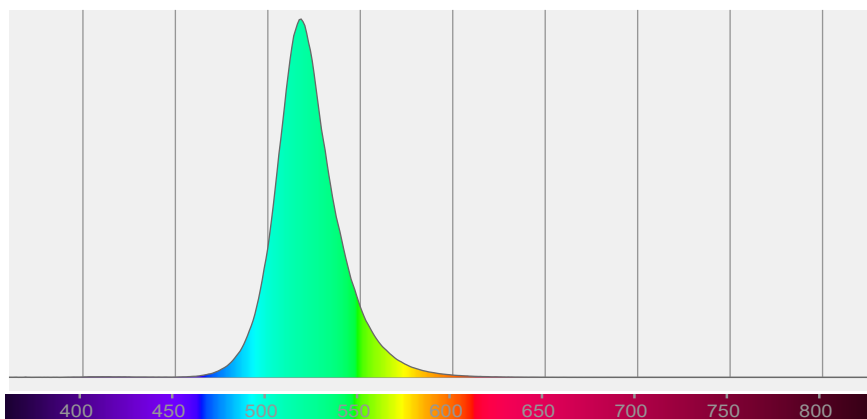


Beam angle 50%: 13,5°

Field angle 10%: 21,6°

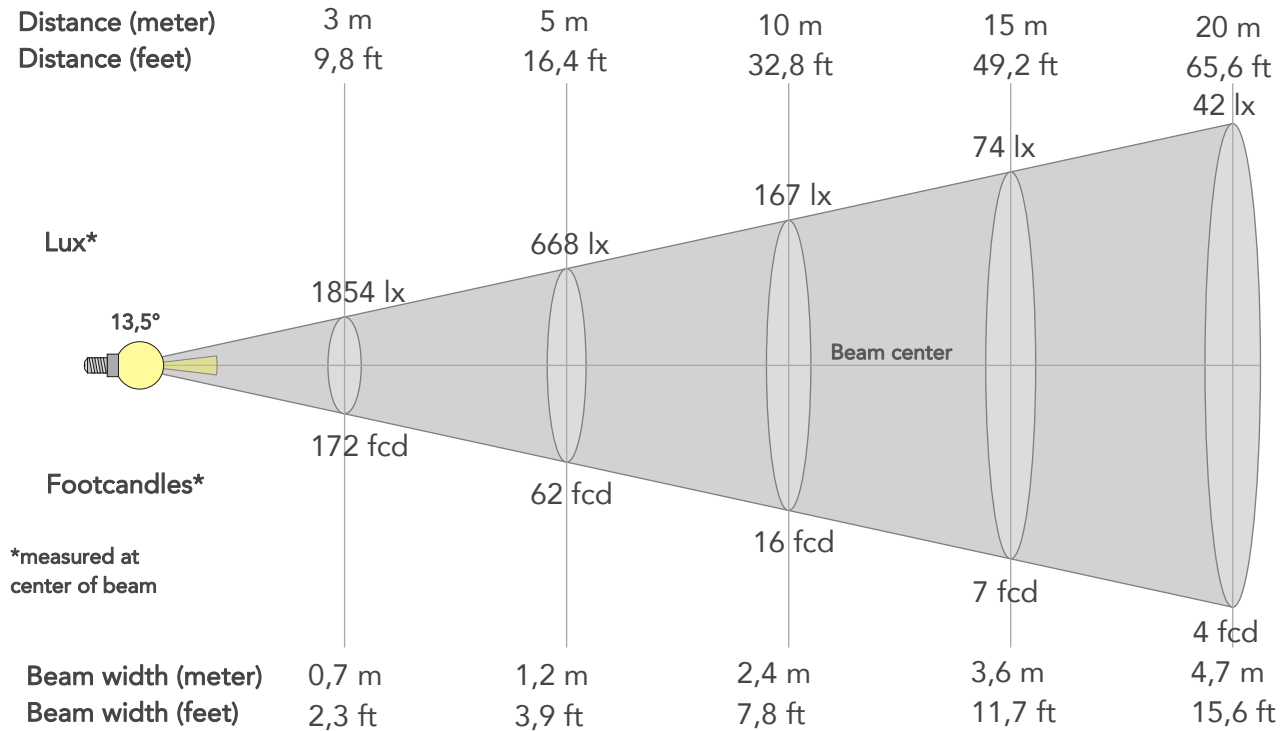
Cut off angle 2.5%: 24,7°

Spectra



BEAM DETAILS

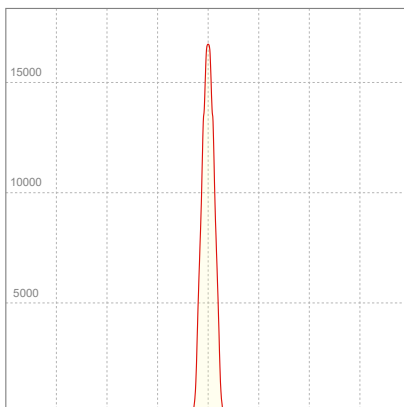
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
13,5°	21,6°	24,7°	100,0%	100,0%



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	16690lx	4172lx	1854lx	1043lx	668lx	297lx	167lx	74lx	42lx	27lx	19lx	10lx	7lx
Footcand.	1551fcd	388fcd	172fcd	97fcd	62fcd	28fcd	16fcd	7fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,2m	0,5m	0,7m	0,9m	1,2m	1,8m	2,4m	3,6m	4,7m	5,9m	7,1m	9,5m	11,9m
Beam wid.	0,8ft	1,6ft	2,3ft	3,1ft	3,9ft	5,8ft	7,8ft	11,7ft	15,6ft	19,4ft	23,3ft	31,1ft	38,9ft

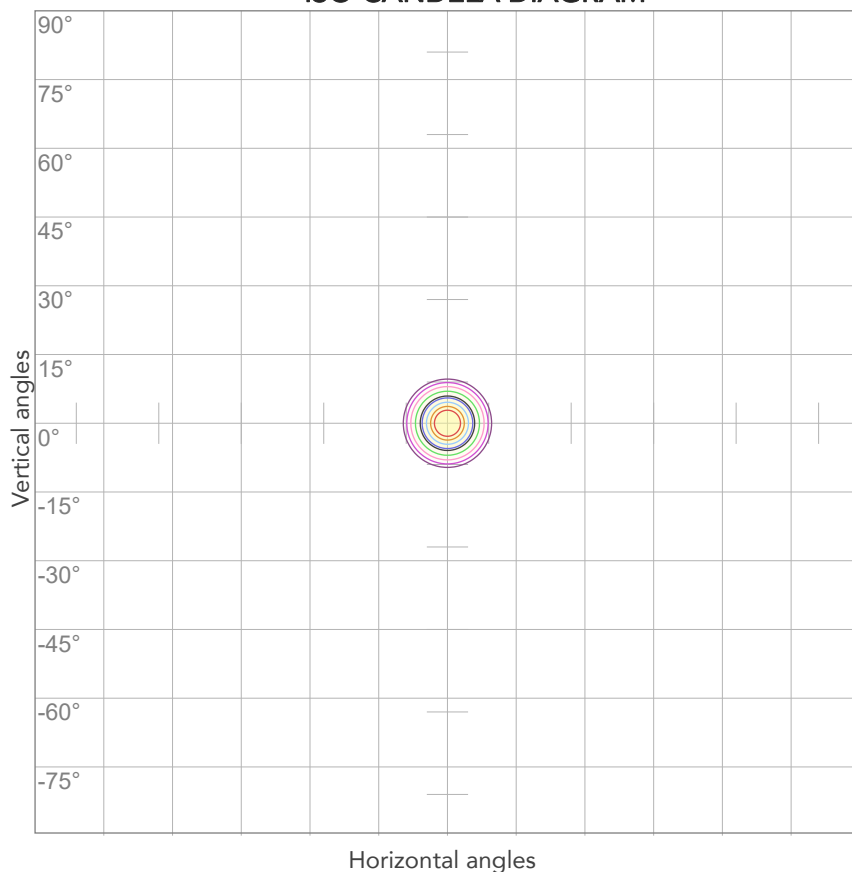
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,296A	47,2W	19lm/W
Power FC			
0,7			

ISO CANDELA DIAGRAM



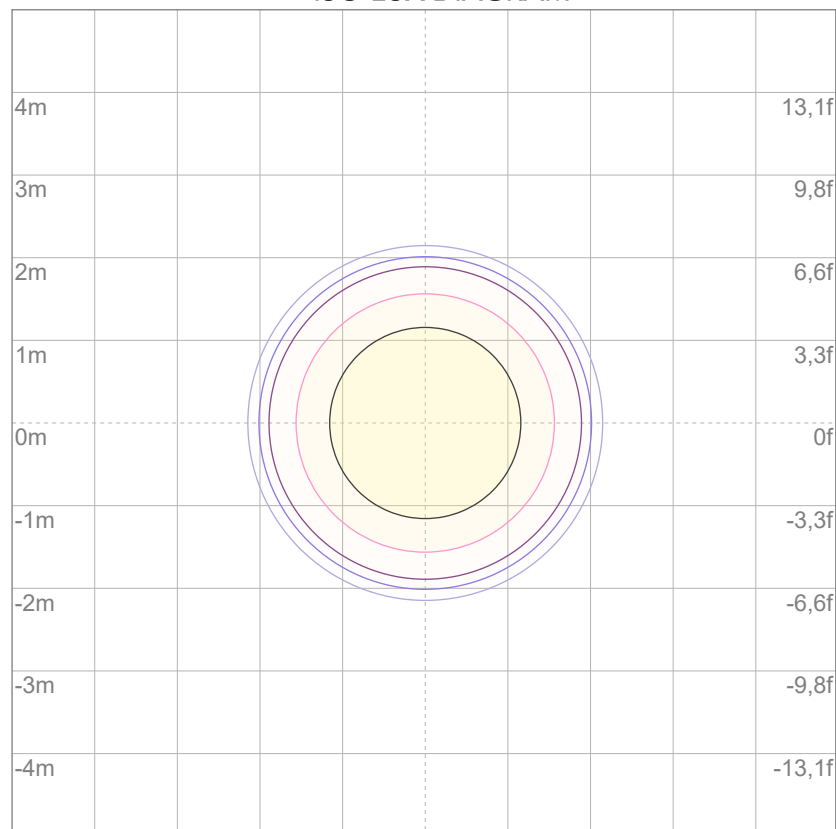
10%	1669 cd
20%	3338 cd
30%	5007 cd
40%	6676 cd
50%	8345 cd
60%	10014 cd
70%	11683 cd
80%	13352 cd

Conditions:

Number of c-planes: 2

Candela at center: 16690 cd

ISO LUX DIAGRAM



3%	5,01 lx
5%	8,34 lx
10%	16,7 lx
30%	50,1 lx
50%	83,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 167 lx

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



Total lumen output:

131 lm

Peak candela output:

758 cd

PRODUCT NAME:

ECLCTPLUS IP

MEASURAMENT CONDITIONS:

Beam angle:

PRL15-30 Max Zoom

Target:

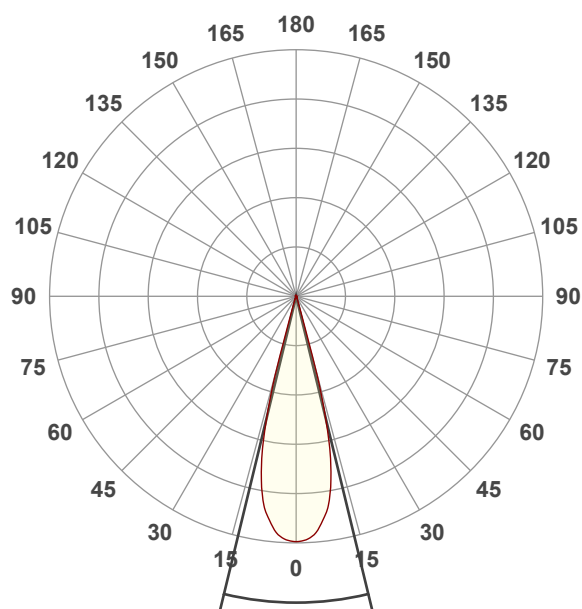
Blue HQ

Operator:

Paolo Carvone

Date and time:

15/07/2020 11:59:00

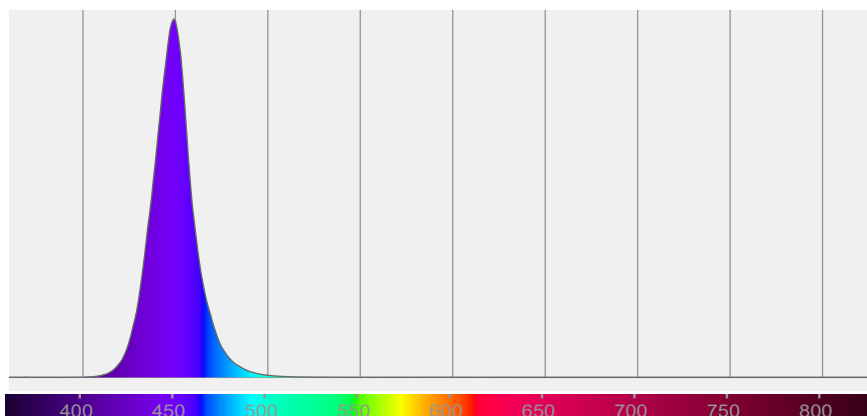


Beam angle 50%: 27,3°

Field angle 10%: 32,9°

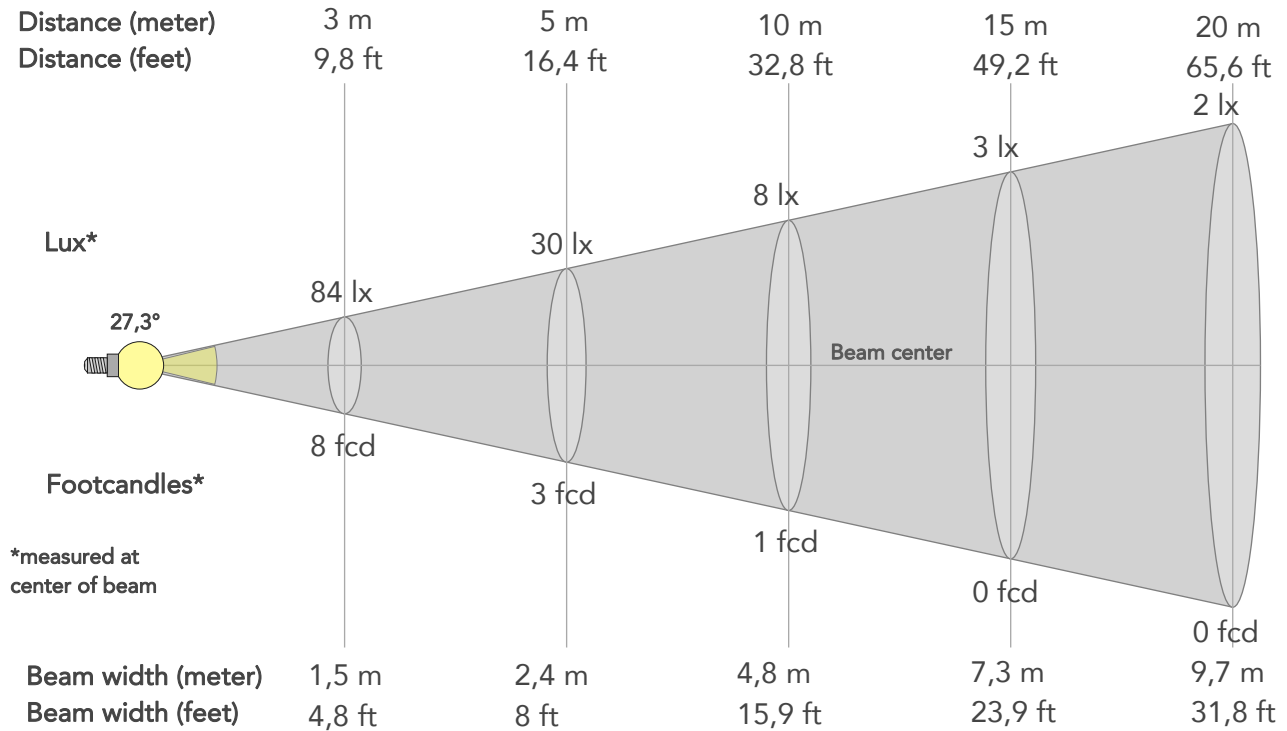
Cut off angle 2.5%: 36,2°

Spectra



BEAM DETAILS

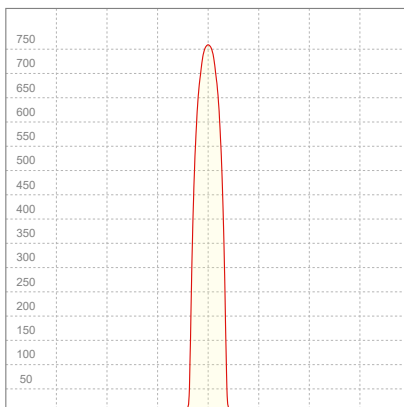
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27,3°	32,9°	36,2°	99,6%	99,4%



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	758lx	190lx	84lx	47lx	30lx	13lx	8lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	70fcd	18fcd	8fcd	4fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,5m	1,9m	2,4m	3,6m	4,8m	7,3m	9,7m	12,1m	14,5m	19,4m	24,2m
Beam wid.	1,6ft	3,2ft	4,8ft	6,4ft	8ft	11,9ft	15,9ft	23,9ft	31,8ft	39,8ft	47,7ft	63,6ft	79,5ft

LINEAR DISTRIBUTION DIAGRAM

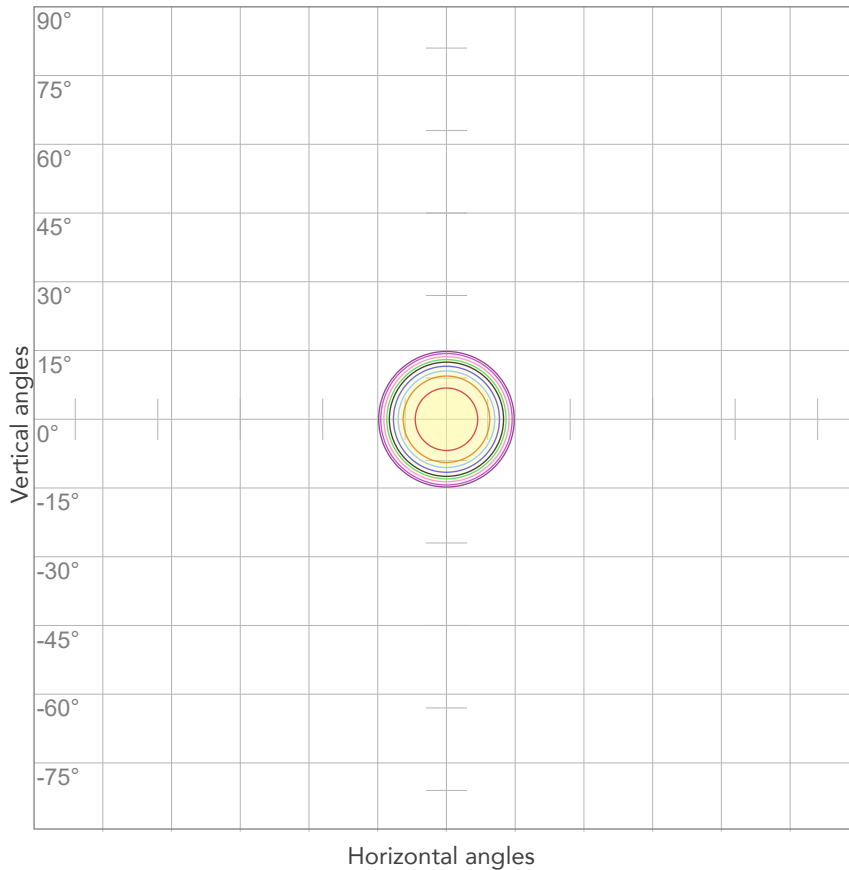


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
229V	0,234A	32,2W	4lm/W

Power FC
0,6

ISO CANDELA DIAGRAM



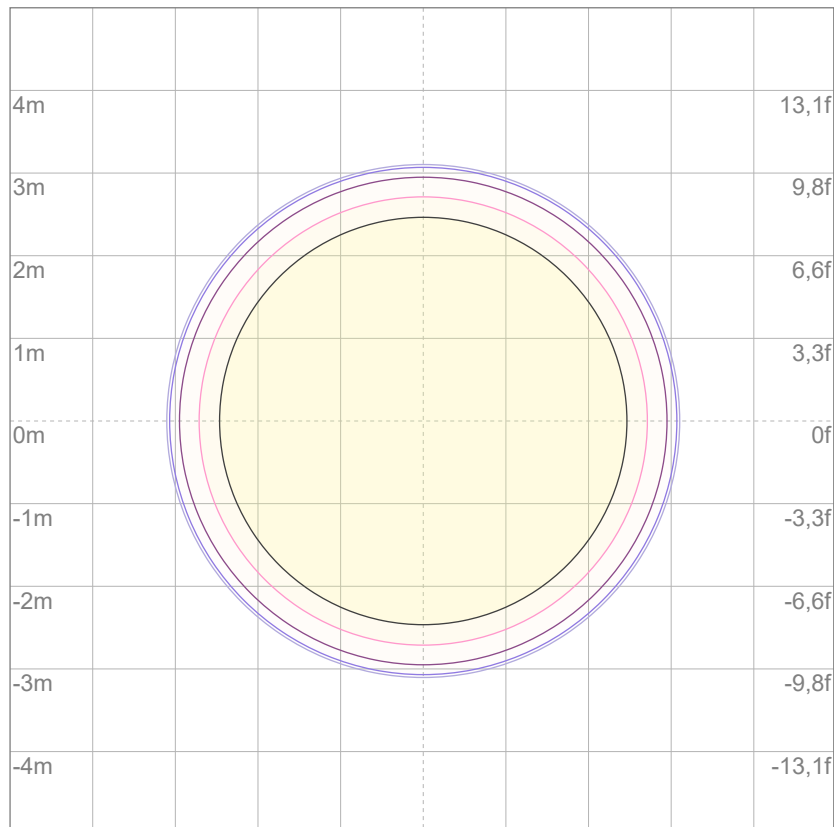
10%	76 cd
20%	152 cd
30%	227 cd
40%	303 cd
50%	379 cd
60%	455 cd
70%	531 cd
80%	607 cd

Conditions:

Number of c-planes: 2

Candela at center: 758 cd

ISO LUX DIAGRAM



3%	0,227 lx
5%	0,379 lx
10%	0,758 lx
30%	2,27 lx
50%	3,79 lx

Conditions:

Number of c-planes: 2

Lux at center: 7,58 lx

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



Total lumen output:

109 lm

Peak candela output:

1958 cd

PRODUCT NAME:

ECLCTPLUS IP

MEASURAMENT CONDITIONS:

Beam angle:

PRL15-30 Min Zoom

Target:

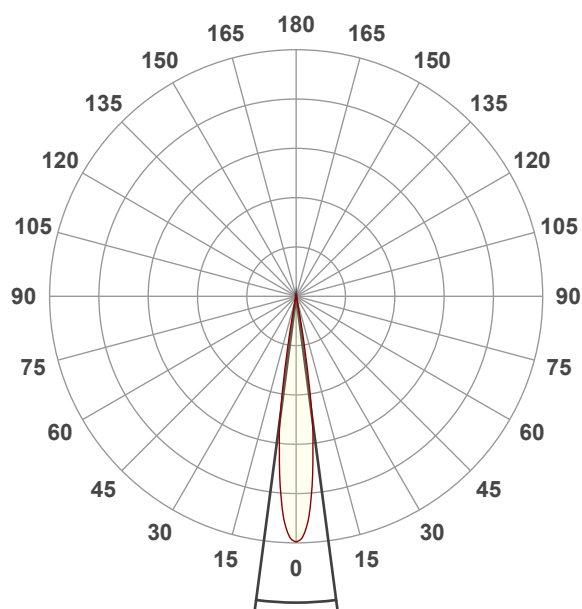
Blue HQ

Operator:

Paolo Carvone

Date and time:

15/07/2020 12:51:21

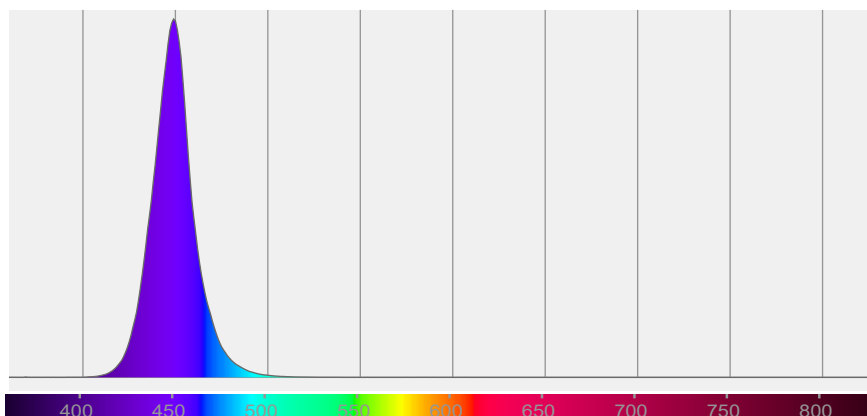


Beam angle 50%: 15°

Field angle 10%: 21,1°

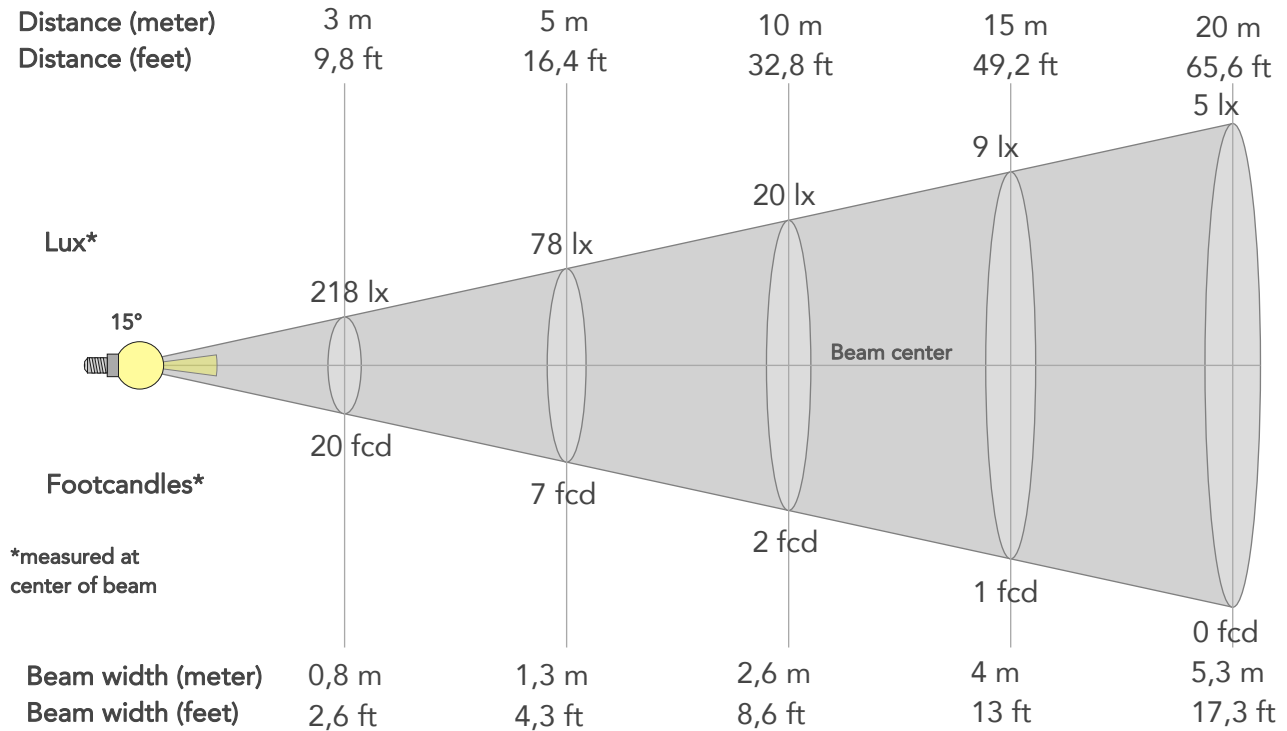
Cut off angle 2.5%: 23,7°

Spectra



BEAM DETAILS

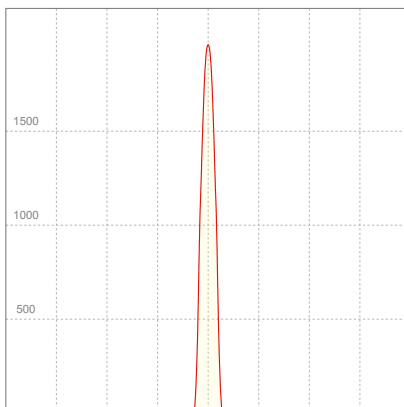
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15°	21,1°	23,7°	99,9%	99,9%



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	1958lx	489lx	218lx	122lx	78lx	35lx	20lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	182fcd	45fcd	20fcd	11fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,3m	2m	2,6m	4m	5,3m	6,6m	7,9m	10,5m	13,2m
Beam wid.	0,9ft	1,7ft	2,6ft	3,5ft	4,3ft	6,5ft	8,6ft	13ft	17,3ft	21,6ft	25,9ft	34,6ft	43,2ft

LINEAR DISTRIBUTION DIAGRAM

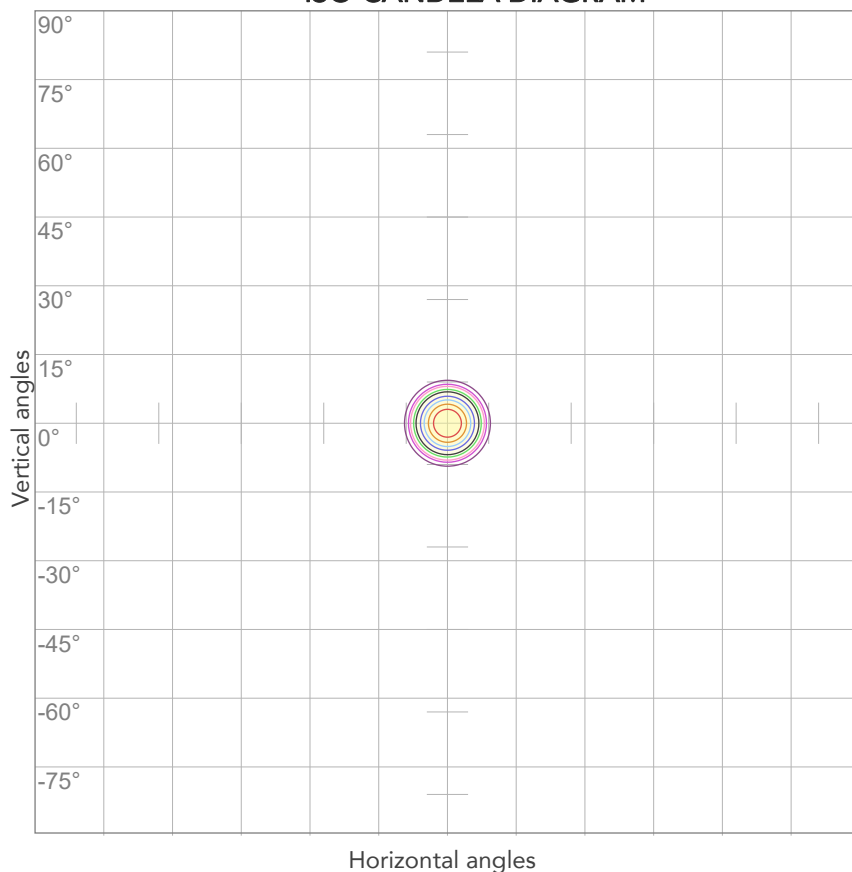


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,233A	32,1W	3lm/W

Power FC
0,6

ISO CANDELA DIAGRAM



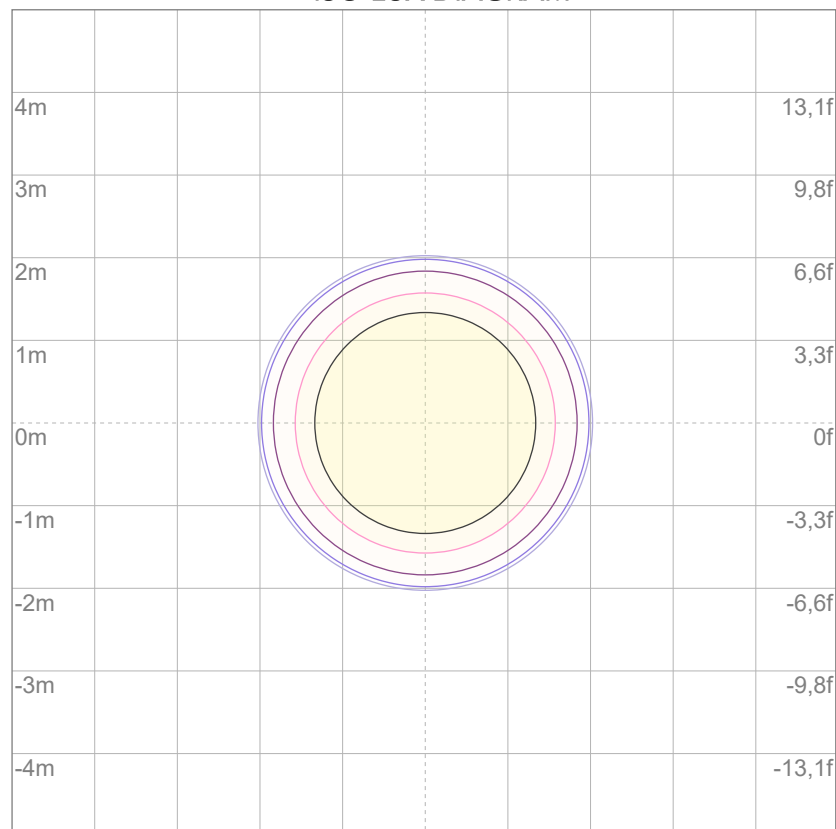
10%	196 cd
20%	392 cd
30%	587 cd
40%	783 cd
50%	979 cd
60%	1175 cd
70%	1370 cd
80%	1566 cd

Conditions:

Number of c-planes: 2

Candela at center: 1958 cd

ISO LUX DIAGRAM



3%	0,587 lx
5%	0,979 lx
10%	1,96 lx
30%	5,87 lx
50%	9,79 lx

Conditions:

Number of c-planes: 2

Lux at center: 19,6 lx

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



Total lumen output:

5510 lm

Peak candela output:

31727 cd

Light quality:

CRI: 92,2

Color temperature:

2821 K

PRODUCT NAME:

ECLCTPLUS IP

MEASURAMENT CONDITIONS:

Beam angle:

PRL15-30 Max Zoom

Target:

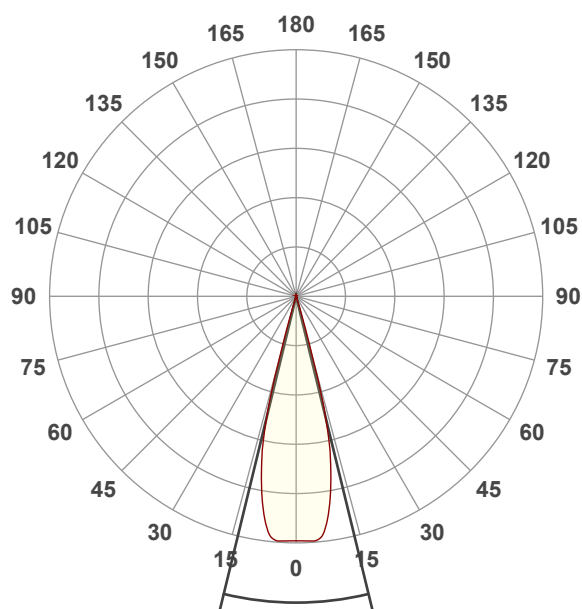
2800K HQ

Operator:

Paolo Carvone

Date and time:

15/07/2020 12:00:43

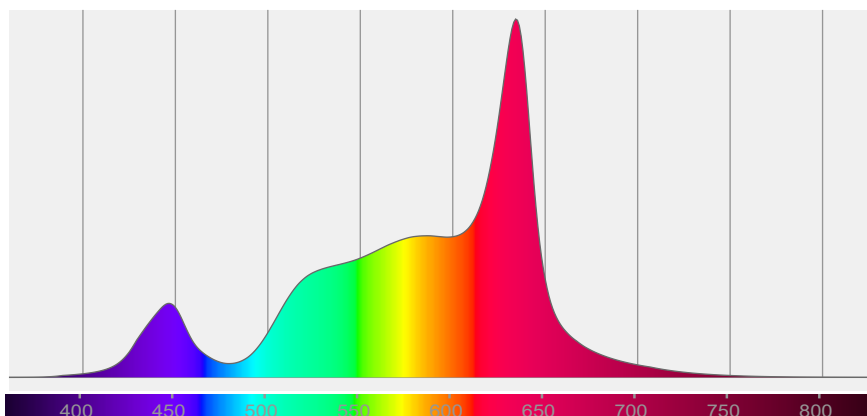


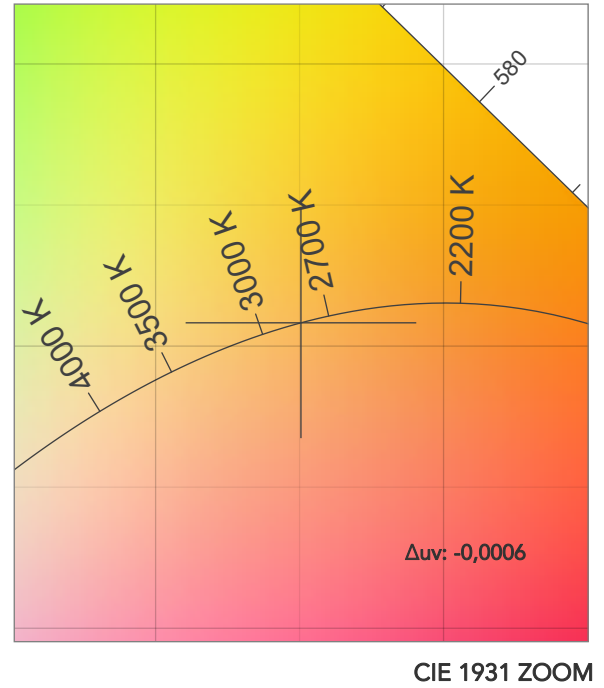
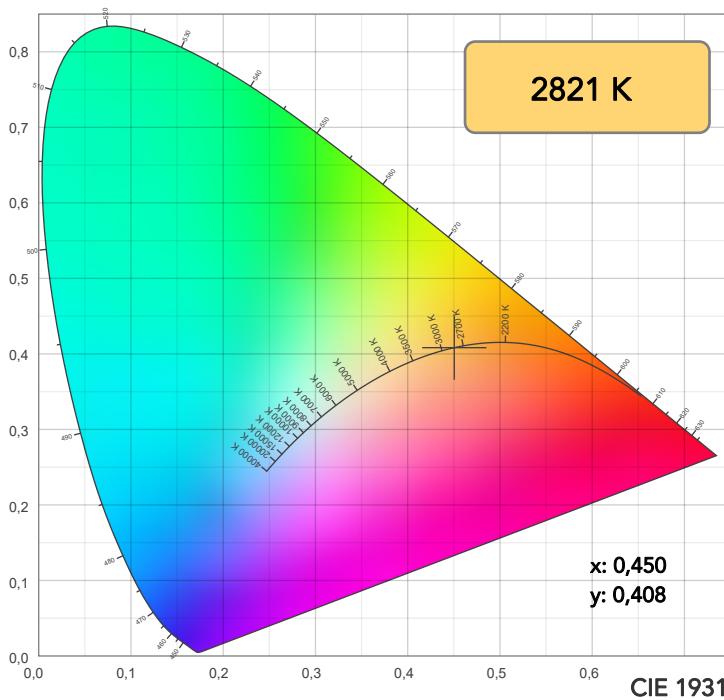
Beam angle 50%: 27,3°

Field angle 10%: 33°

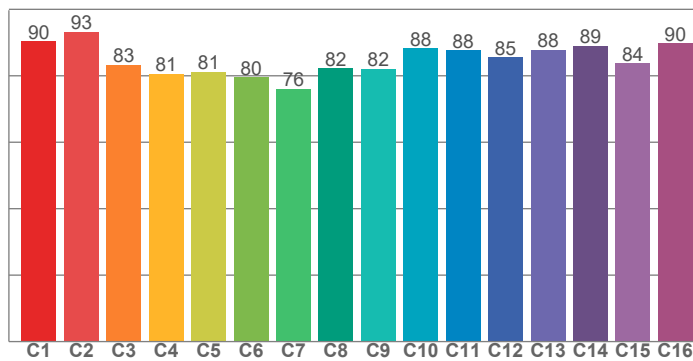
Cut off angle 2.5%: 34,8°

Spectra

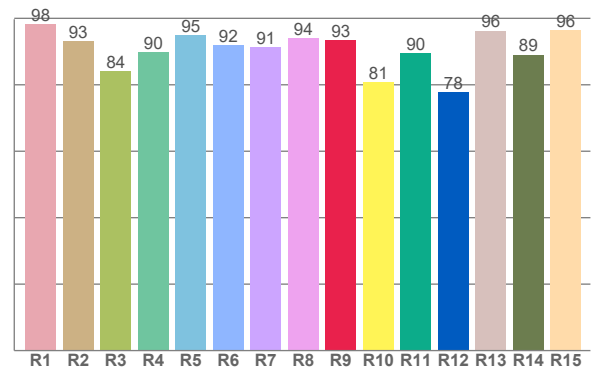




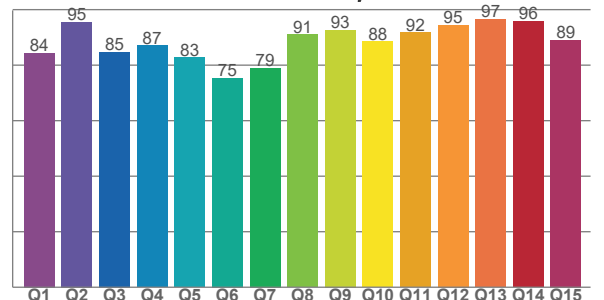
TM30: 85,5



CRI: 92,2 (R1-R8)



CQS: 86,7



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
98,3	93,1	84,1	89,9	95,0	91,9	91,2	93,9	93,4	80,8	89,5	77,8	96,2	89,1	96,3

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,3	93,2	83,4	80,6	81,2	79,6	76,1	82,3	82,1	88,3	87,6	85,5	87,8	89,0	83,7	89,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
84,4	95,5	84,7	87,0	82,8	75,3	79,0	91,1	92,7	88,4	91,8	94,5	96,5	95,8	89,0

COLOR PARAMETERS

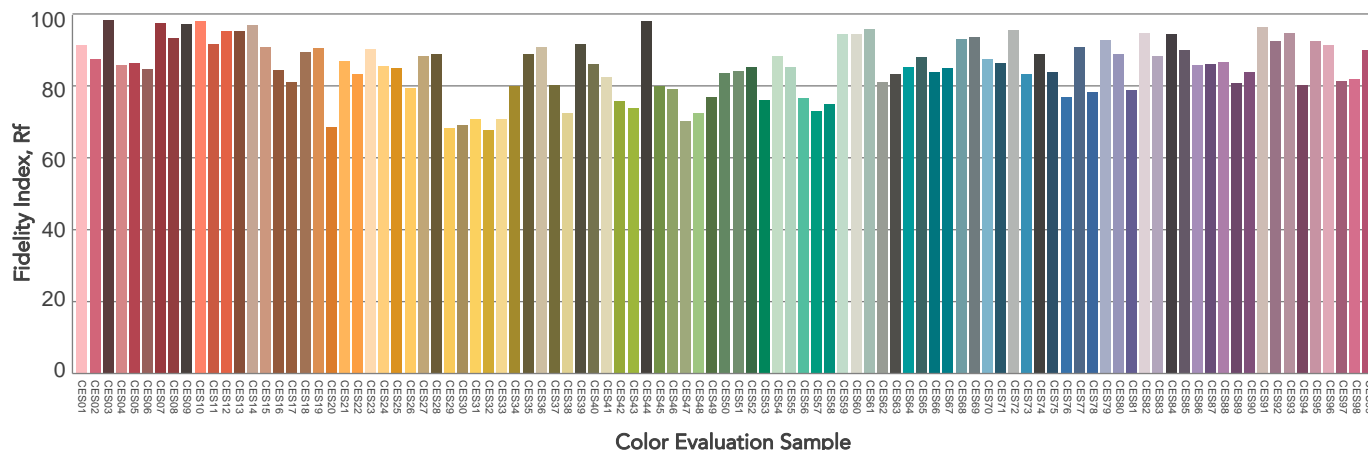
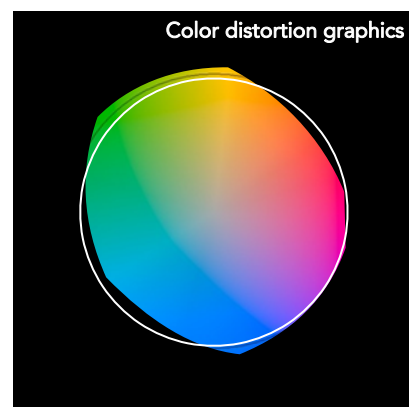
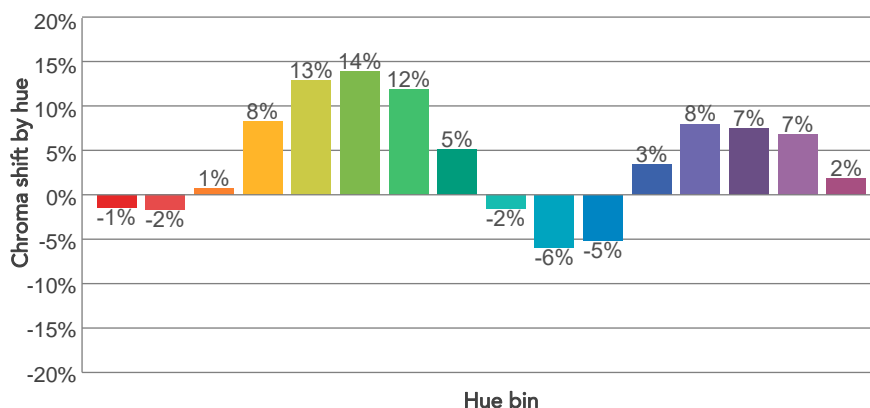
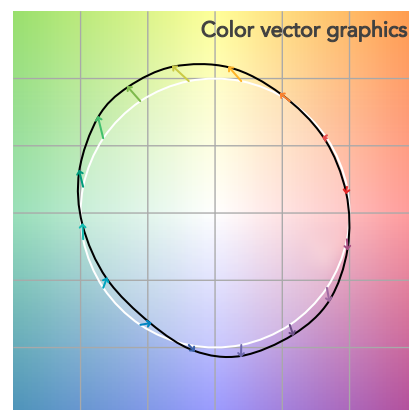
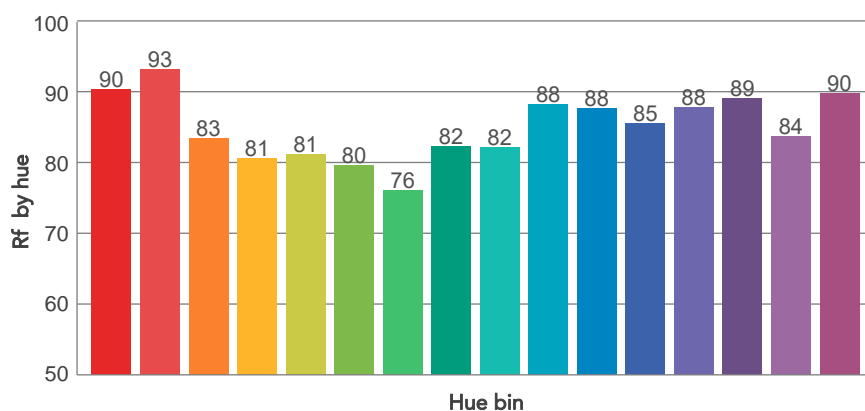
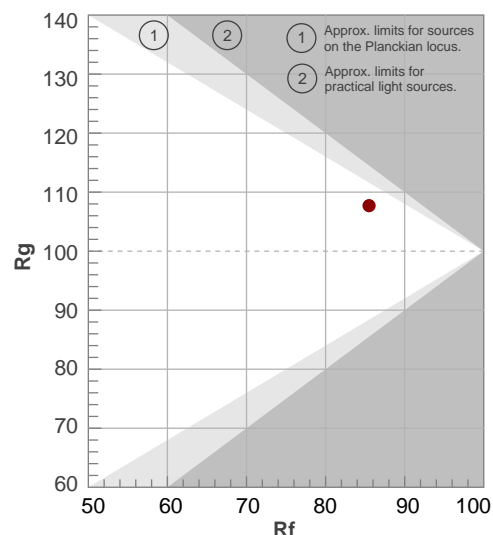
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2821 K	92,2	93,4	85,5	107,7	86,7	69	0,450	0,408	-0,0006

TM30 DETAILS

Rf 85,5
Fidelity index Rf

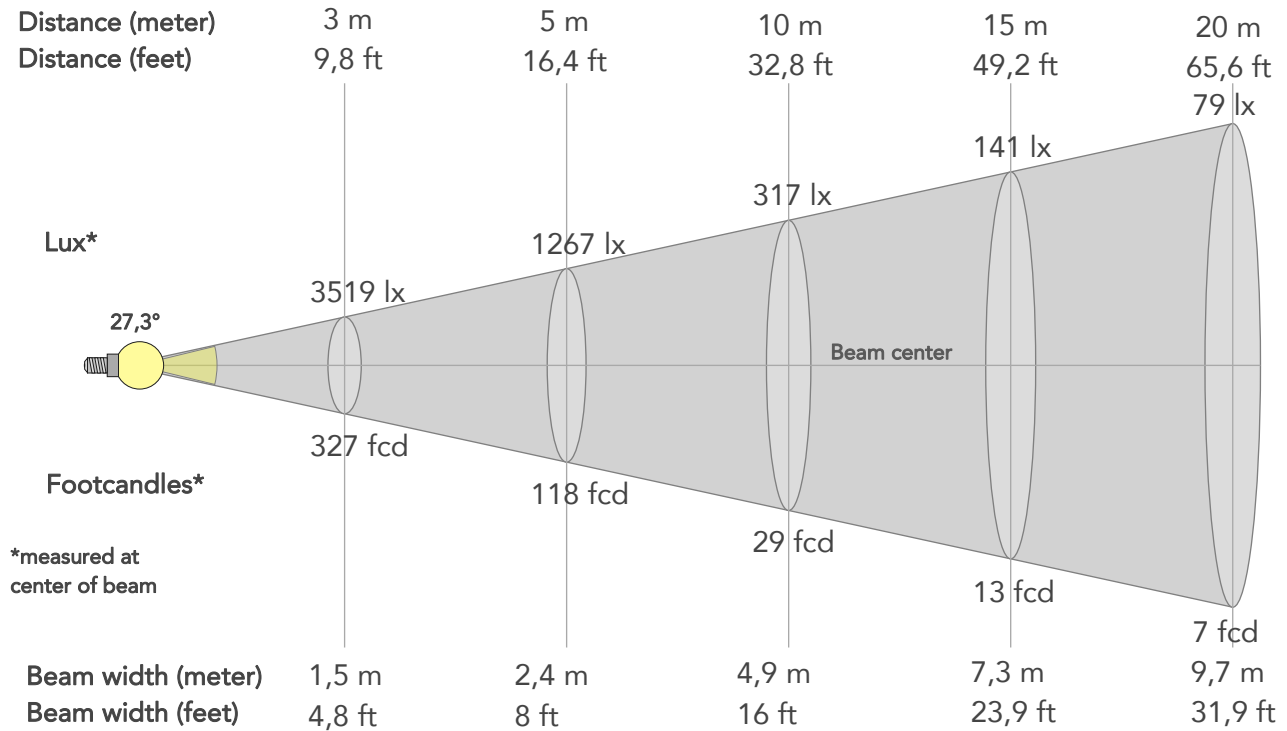
Rg 107,7
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	90	-1%	-4%
2	93	-2%	2%
3	83	1%	8%
4	81	8%	11%
5	81	13%	9%
6	80	14%	2%
7	76	12%	-11%
8	82	5%	-11%
9	82	-2%	-11%
10	88	-6%	-4%
11	88	-5%	5%
12	85	3%	5%
13	88	8%	-2%
14	89	7%	-2%
15	84	7%	-7%
16	90	2%	-7%



BEAM DETAILS

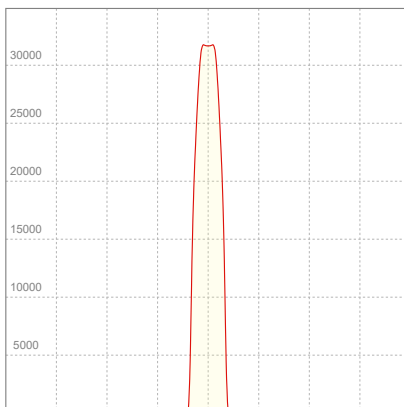
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27,3°	33°	34,8°	99,9%	99,8%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	31675lx	7919lx	3519lx	1980lx	1267lx	563lx	317lx	141lx	79lx	51lx	35lx	20lx	13lx
Footcand.	2943fcd	736fcd	327fcd	184fcd	118fcd	52fcd	29fcd	13fcd	7fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	0,5m	1m	1,5m	1,9m	2,4m	3,6m	4,9m	7,3m	9,7m	12,2m	14,6m	19,5m	24,3m
Beam wid.	1,6ft	3,2ft	4,8ft	6,4ft	8ft	12ft	16ft	23,9ft	31,9ft	39,9ft	47,9ft	63,8ft	79,8ft

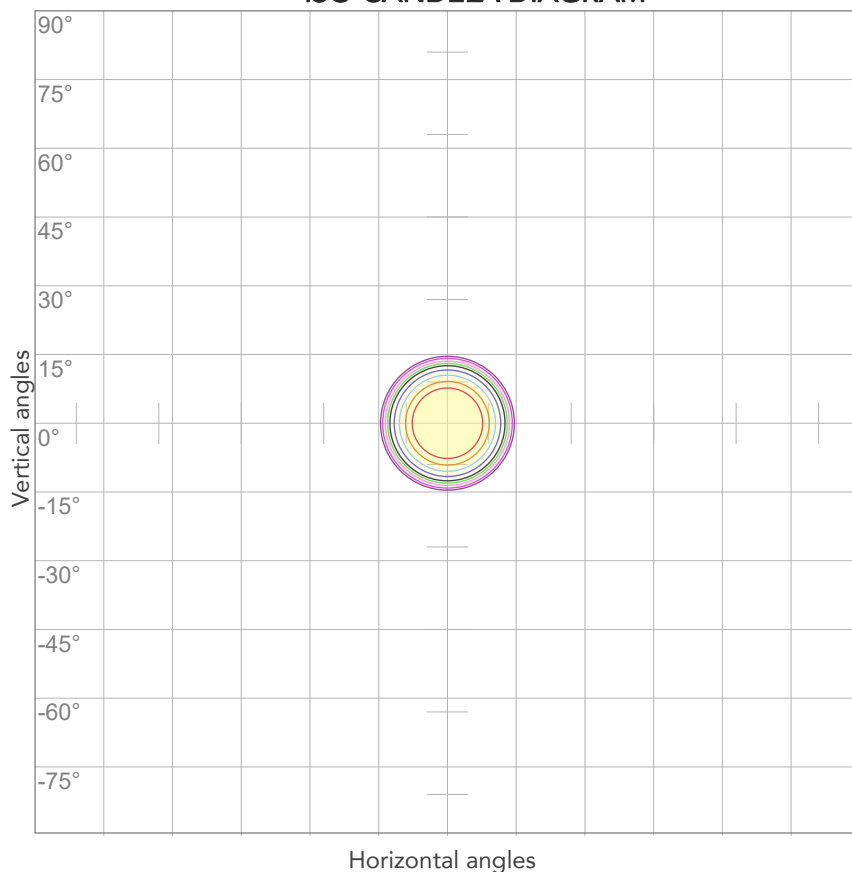
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,803A	167,4W	33lm/W

ISO CANDELA DIAGRAM



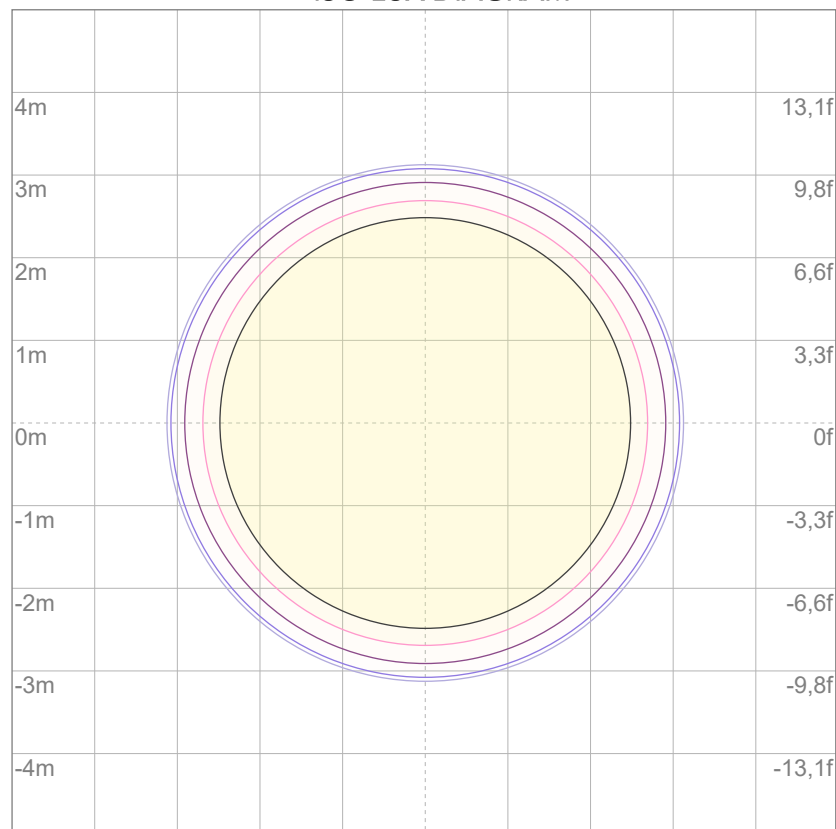
10%	3167 cd
20%	6335 cd
30%	9502 cd
40%	12670 cd
50%	15837 cd
60%	19005 cd
70%	22172 cd
80%	25340 cd

Conditions:

Number of c-planes: 2

Candela at center: 31675 cd

ISO LUX DIAGRAM



3%	9,50 lx
5%	15,8 lx
10%	31,7 lx
30%	95,0 lx
50%	158 lx

Conditions:

Number of c-planes: 2

Lux at center: 317 lx

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



Total lumen output:

2983 lm

Peak candela output:

58565 cd

Light quality:

CRI: 92,4

Color temperature:

2832 K

PRODUCT NAME:

ECLCTPLUS IP

MEASURAMENT CONDITIONS:

Beam angle:

PRL15-30 Min Zoom

Target:

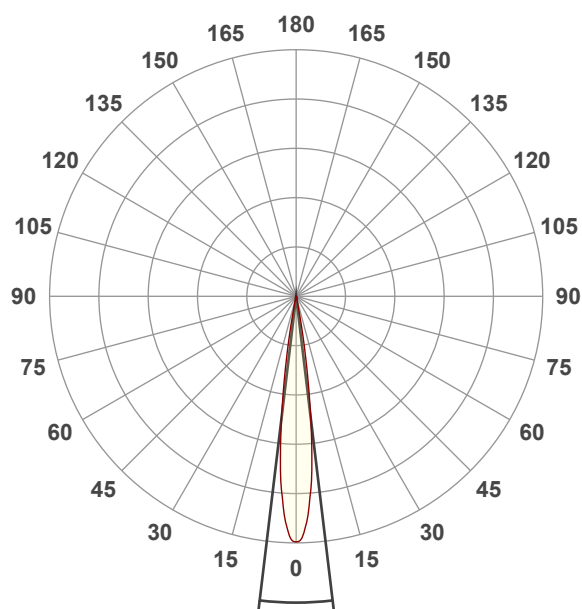
2800K HQ

Operator:

Paolo Carvone

Date and time:

15/07/2020 12:23:09

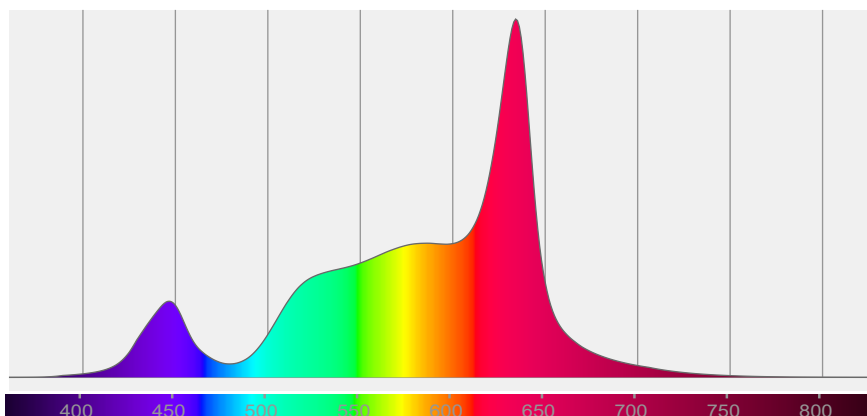


Beam angle 50%: 13,7°

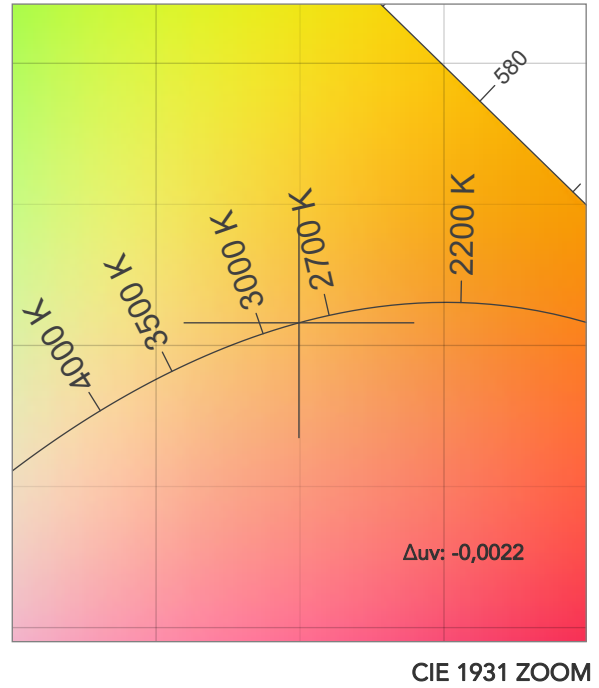
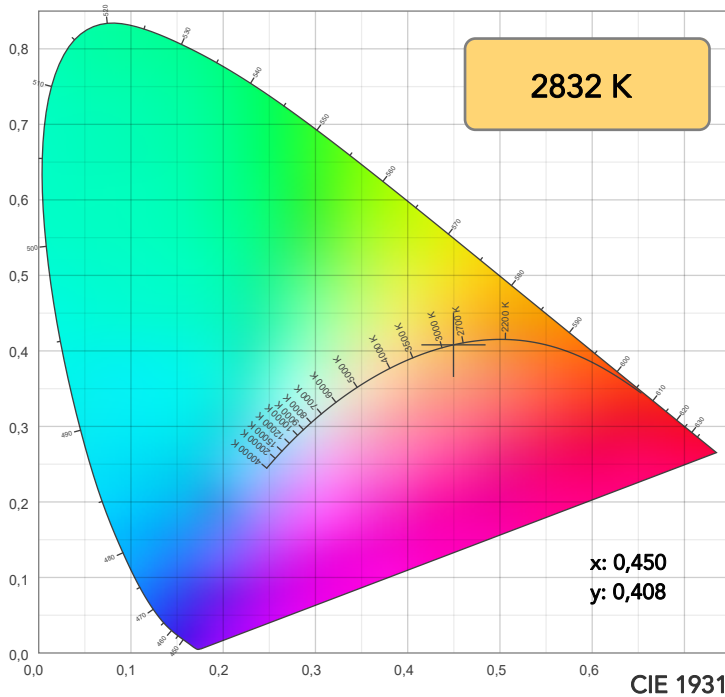
Field angle 10%: 20,8°

Cut off angle 2.5%: 23,1°

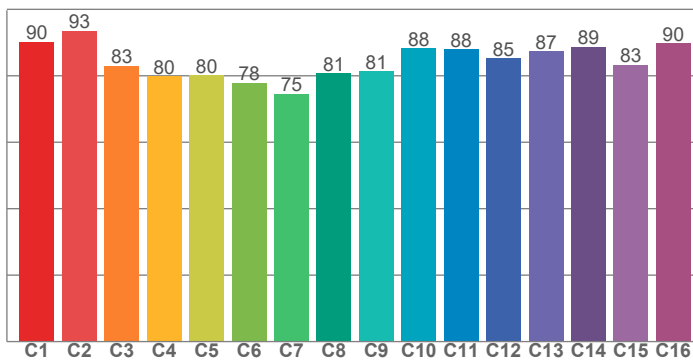
Spectra



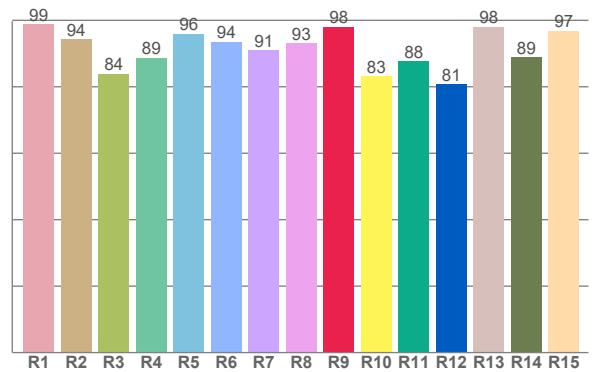
COLOR DETAILS



TM30: 85,0



CRI: 92,4 (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
98,9	94,2	83,9	88,7	95,9	93,5	91,0	93,0	98,1	83,2	87,7	80,8	98,0	88,8	96,9

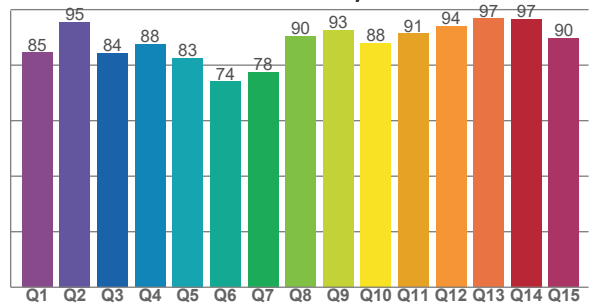
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,2	93,5	82,9	79,8	80,1	77,9	74,6	80,7	81,3	88,2	88,0	85,3	87,4	88,8	83,2	89,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
84,5	95,5	84,3	87,5	82,6	74,1	77,6	90,4	92,7	88,0	91,3	94,1	96,8	96,6	89,7

CQS: 86,3



COLOR PARAMETERS

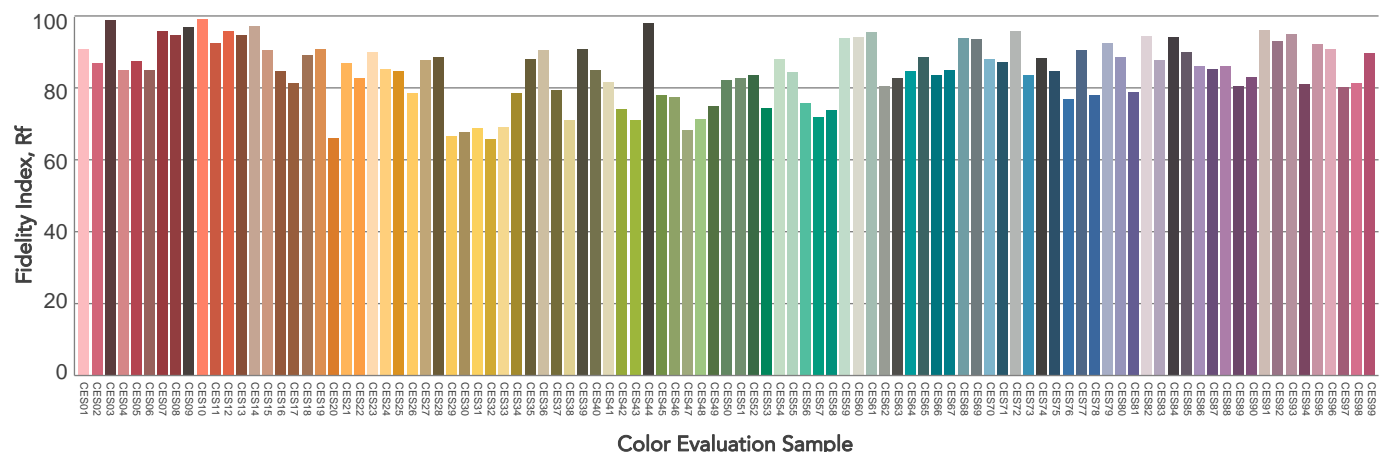
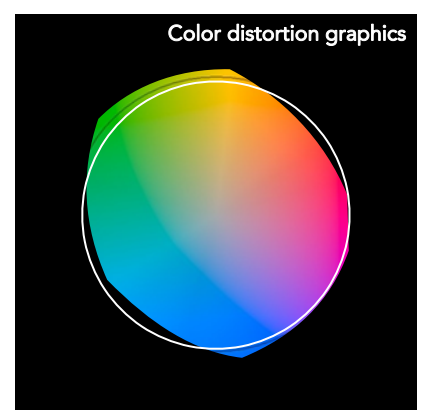
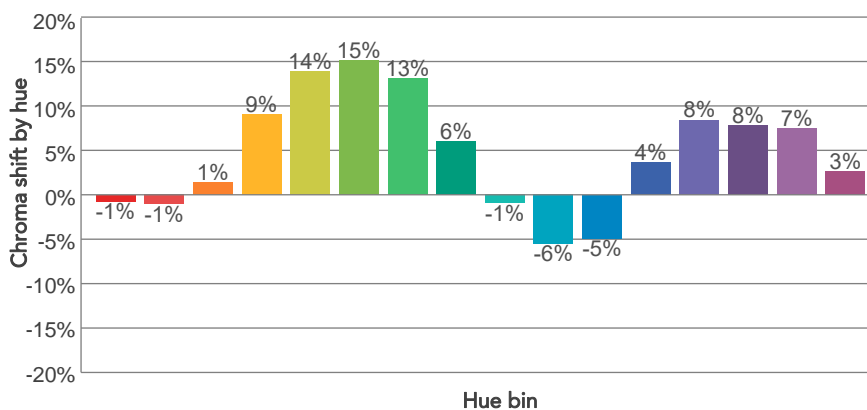
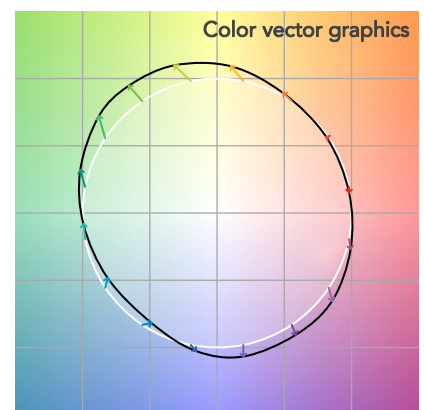
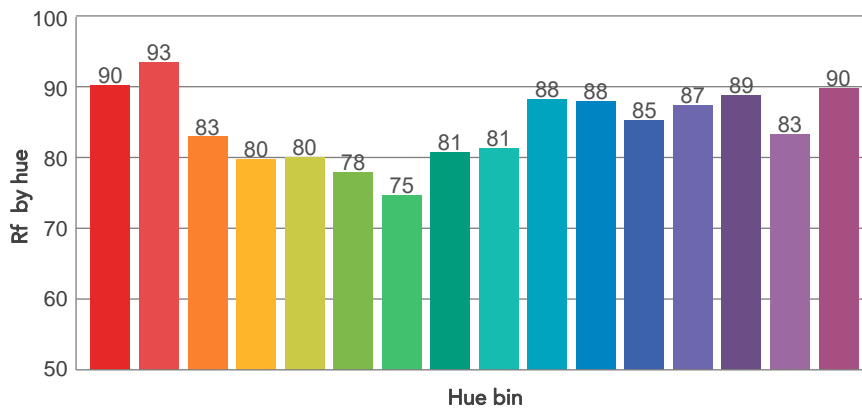
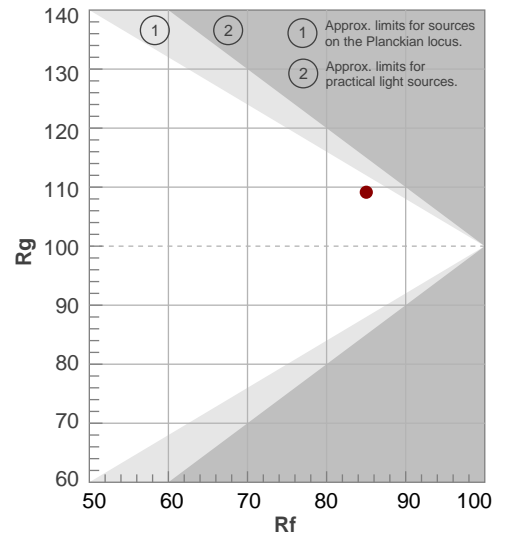
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2832 K	92,4	98,1	85,0	109,1	86,3	68	0,450	0,408	-0,0022

TM30 DETAILS

Rf 85,0
Fidelity index Rf

Rg 109,1
Gammut index

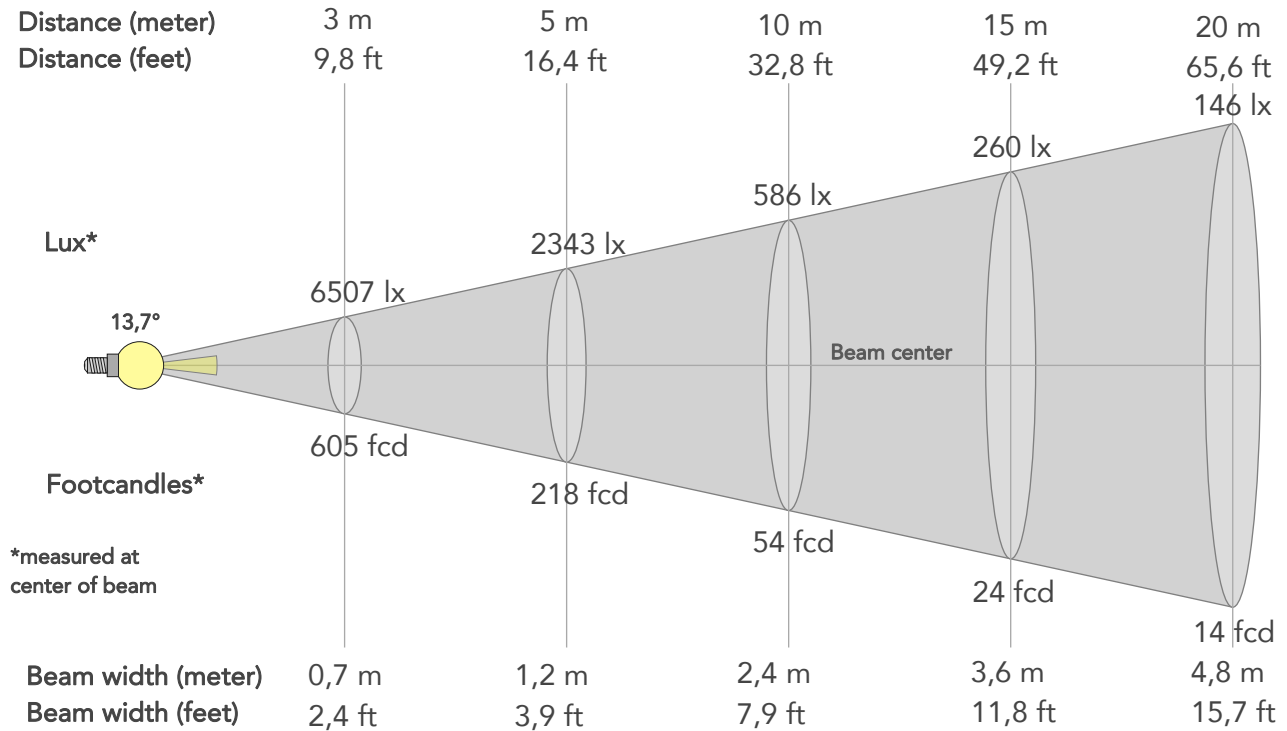
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	90	-1%	-4%
2	93	-1%	2%
3	83	1%	9%
4	80	9%	11%
5	80	14%	10%
6	78	15%	2%
7	75	13%	-11%
8	81	6%	-12%
9	81	-1%	-11%
10	88	-6%	-5%
11	88	-5%	5%
12	85	4%	5%
13	87	8%	-2%
14	89	8%	-1%
15	83	7%	-7%
16	90	3%	-7%



BEAM DETAILS



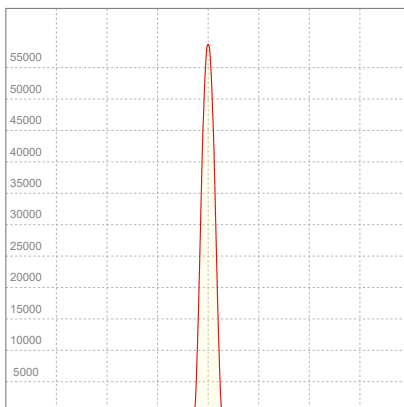
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
13,7°	20,8°	23,1°	100,0%	100,0%



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	58565lx	14641lx	6507lx	3660lx	2343lx	1041lx	586lx	260lx	146lx	94lx	65lx	37lx	23lx
Footcand.	5441fcd	1360fcd	605fcd	340fcd	218fcd	97fcd	54fcd	24fcd	14fcd	9fcd	6fcd	3fcd	2fcd
Beam wid.	0,2m	0,5m	0,7m	1m	1,2m	1,8m	2,4m	3,6m	4,8m	6m	7,2m	9,6m	12m
Beam wid.	0,8ft	1,6ft	2,4ft	3,1ft	3,9ft	5,9ft	7,9ft	11,8ft	15,7ft	19,7ft	23,6ft	31,5ft	39,3ft

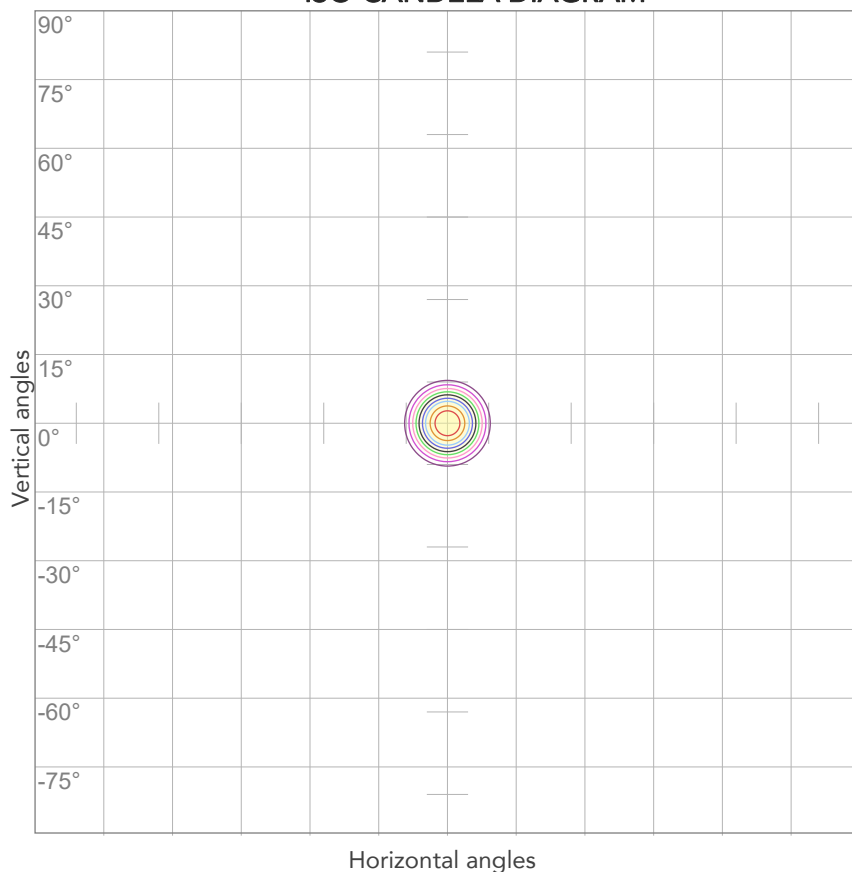
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,800A	166,9W	18lm/W

ISO CANDELA DIAGRAM



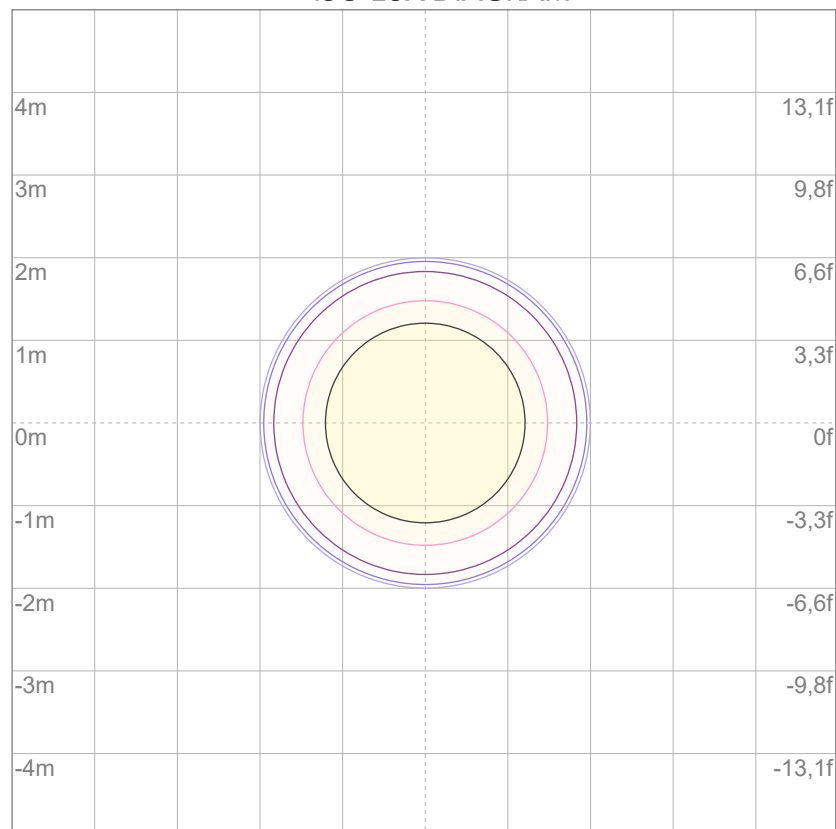
10%	5857 cd
20%	11713 cd
30%	17570 cd
40%	23426 cd
50%	29283 cd
60%	35139 cd
70%	40996 cd
80%	46852 cd

Conditions:

Number of c-planes: 2

Candela at center: 58565 cd

ISO LUX DIAGRAM



3%	17,6 lx
5%	29,3 lx
10%	58,6 lx
30%	176 lx
50%	293 lx

Conditions:

Number of c-planes: 2

Lux at center: 586 lx

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



Total lumen output:

5728 lm

Peak candela output:

33027 cd

Light quality:

CRI: 93,5

Color temperature:

3234 K

PRODUCT NAME:

ECLCTPLUS IP

MEASURAMENT CONDITIONS:

Beam angle:

PRL15-30 Max Zoom

Target:

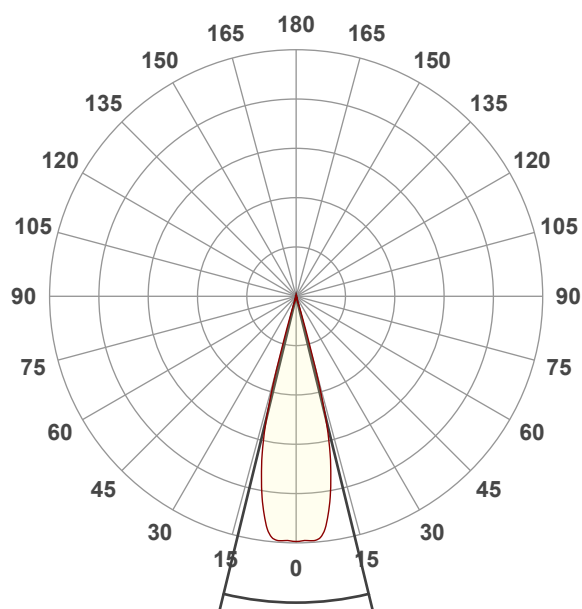
3200K HQ

Operator:

Paolo Carvone

Date and time:

15/07/2020 12:02:27

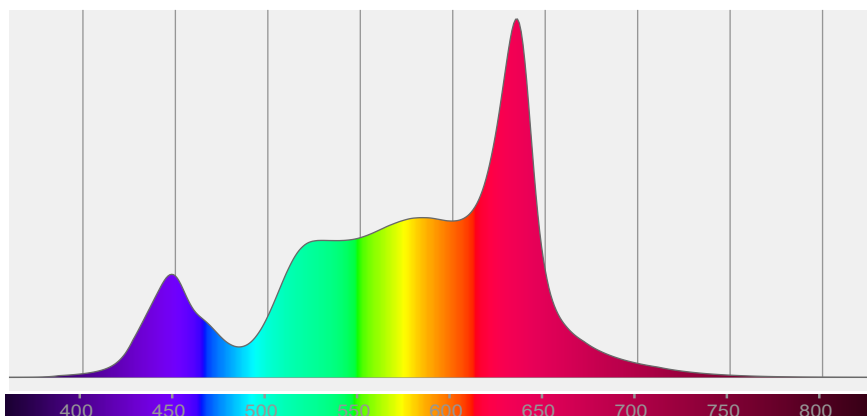


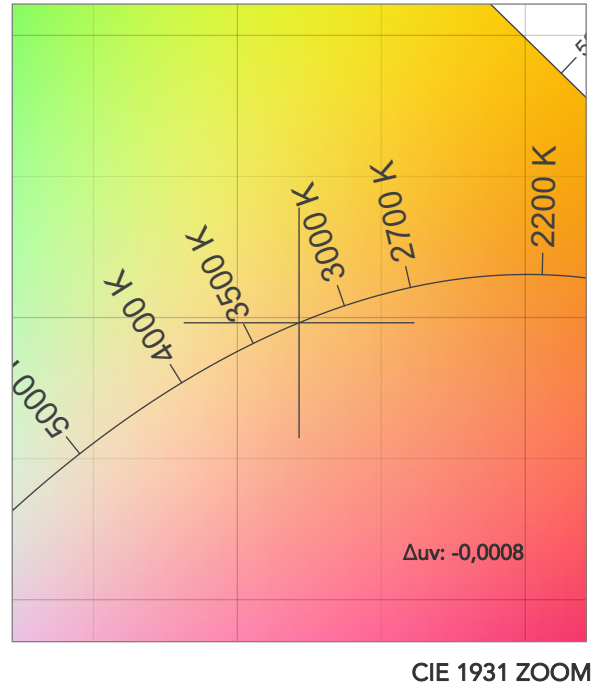
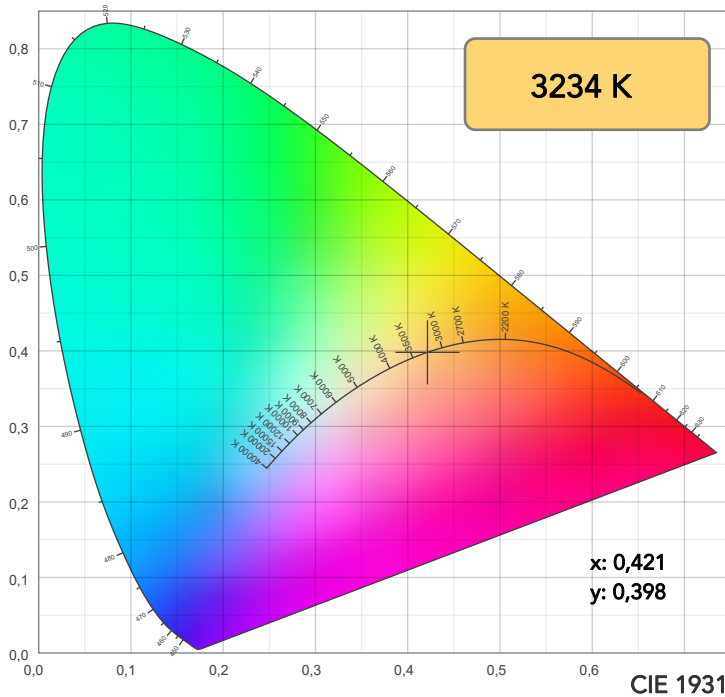
Beam angle 50%: 27,4°

Field angle 10%: 32,9°

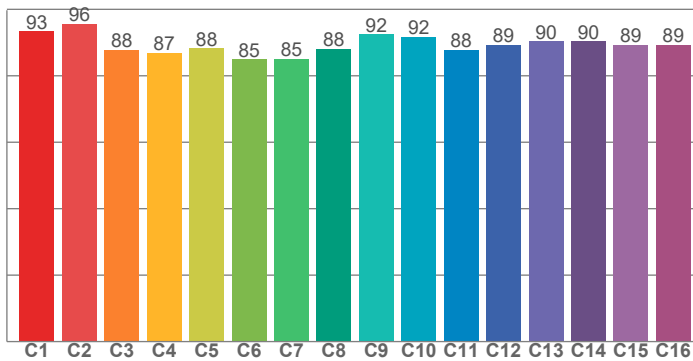
Cut off angle 2.5%: 34,5°

Spectra

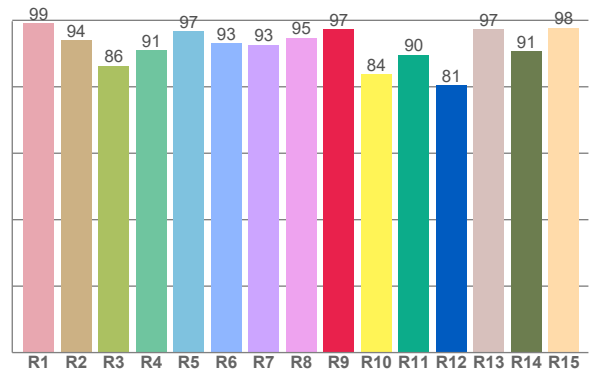




TM30: 89,7



CRI: 93,5 (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
99,2	94,1	86,3	91,1	96,6	93,2	92,7	94,7	97,4	83,8	89,6	80,6	97,4	90,7	97,7

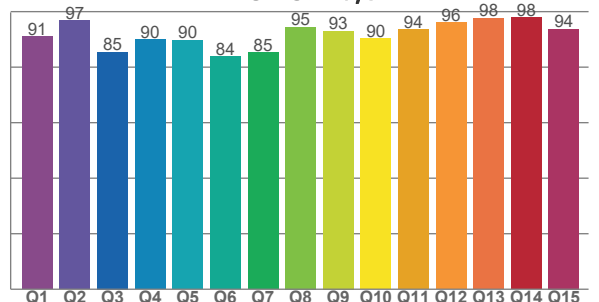
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,3	95,6	87,8	86,9	88,3	84,9	85,2	88,1	92,5	91,7	87,8	89,4	90,4	90,4	89,3	89,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91,1	96,8	85,4	89,9	89,7	83,8	85,2	94,5	93,1	90,3	93,6	96,0	97,6	97,8	93,7

CQS: 90,6



COLOR PARAMETERS

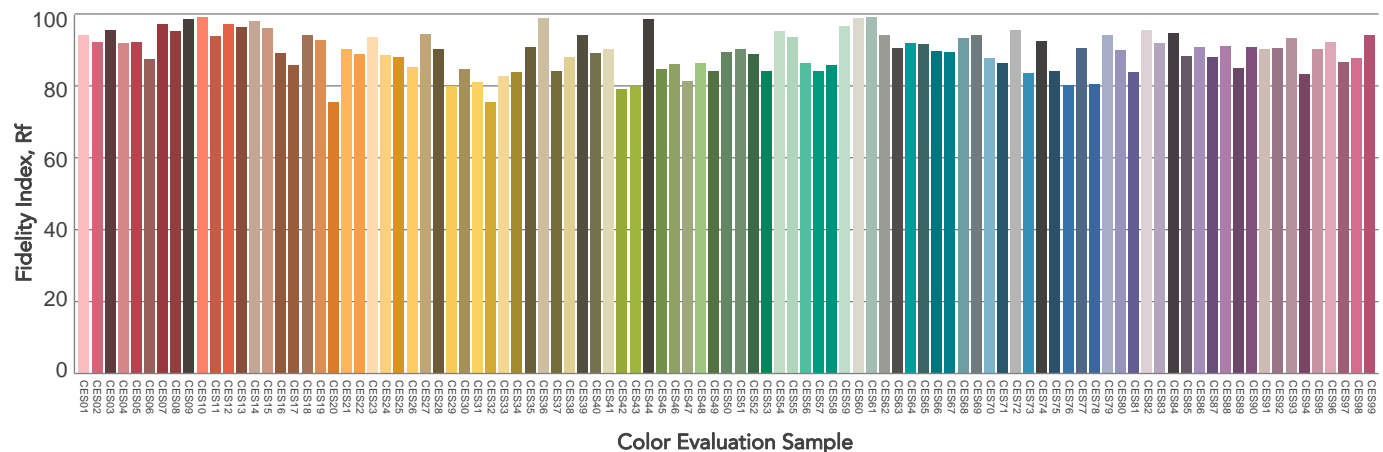
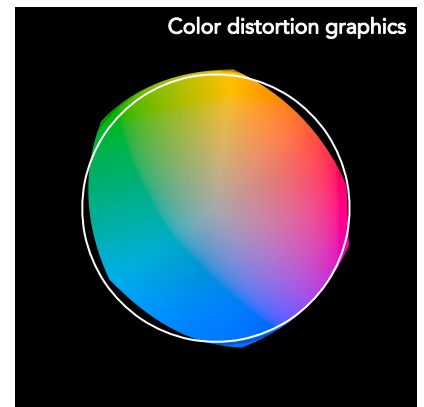
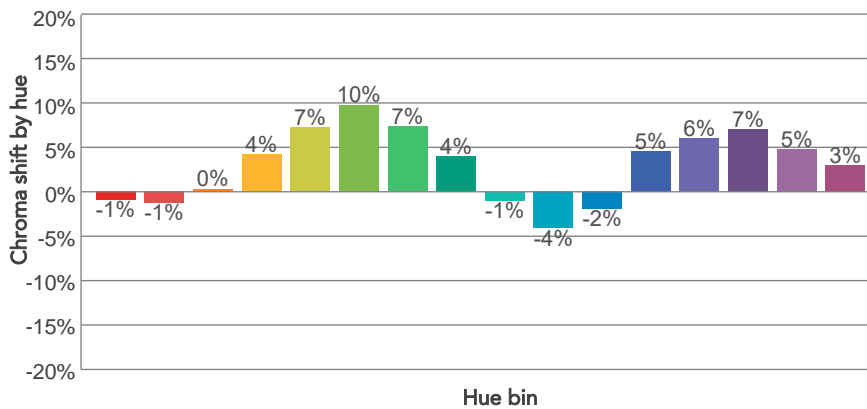
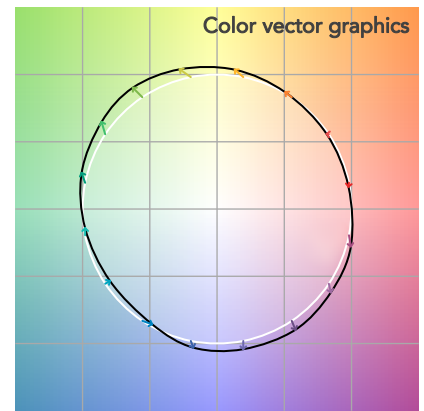
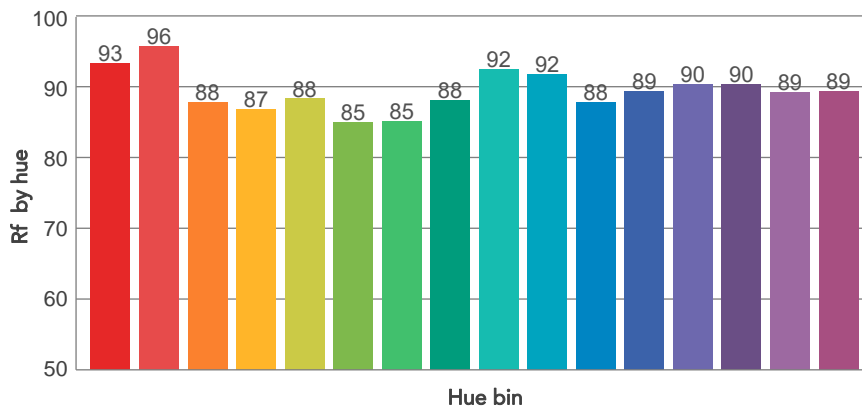
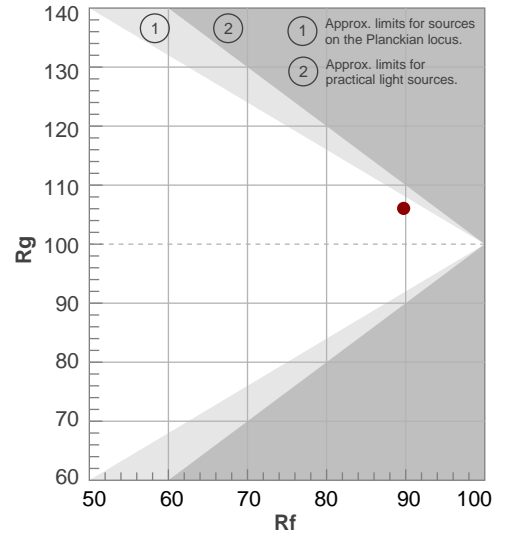
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3234 K	93,5	97,4	89,7	106,1	90,6	83	0,421	0,398	-0,0008

TM30 DETAILS

Rf 89,7
Fidelity index Rf

Rg 106,1
Gammut index

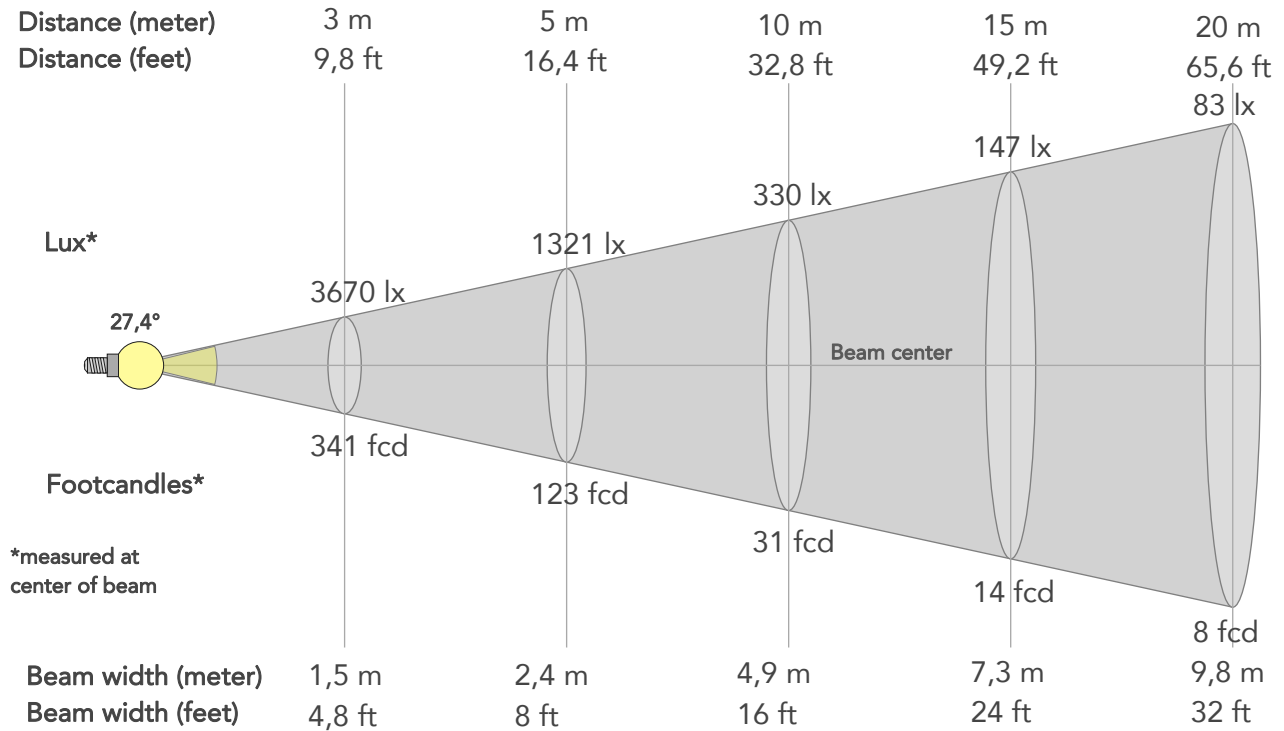
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-1%	-3%
2	96	-1%	1%
3	88	0%	6%
4	87	4%	7%
5	88	7%	7%
6	85	10%	2%
7	85	7%	-6%
8	88	4%	-7%
9	92	-1%	-5%
10	92	-4%	0%
11	88	-2%	7%
12	89	5%	3%
13	90	6%	-1%
14	90	7%	-1%
15	89	5%	-5%
16	89	3%	-8%



BEAM DETAILS



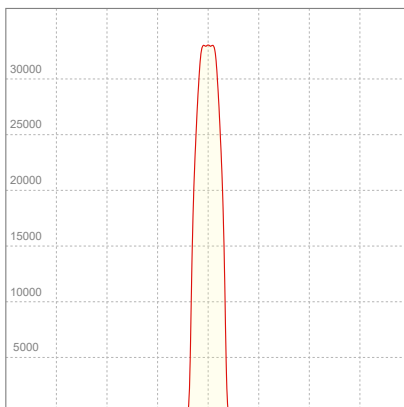
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27,4°	32,9°	34,5°	99,9%	99,8%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	33027lx	8257lx	3670lx	2064lx	1321lx	587lx	330lx	147lx	83lx	53lx	37lx	21lx	13lx
Footcand.	3068fcd	767fcd	341fcd	192fcd	123fcd	55fcd	31fcd	14fcd	8fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	0,5m	1m	1,5m	2m	2,4m	3,7m	4,9m	7,3m	9,8m	12,2m	14,6m	19,5m	24,4m
Beam wid.	1,6ft	3,2ft	4,8ft	6,4ft	8ft	12ft	16ft	24ft	32ft	40ft	48ft	64ft	80ft

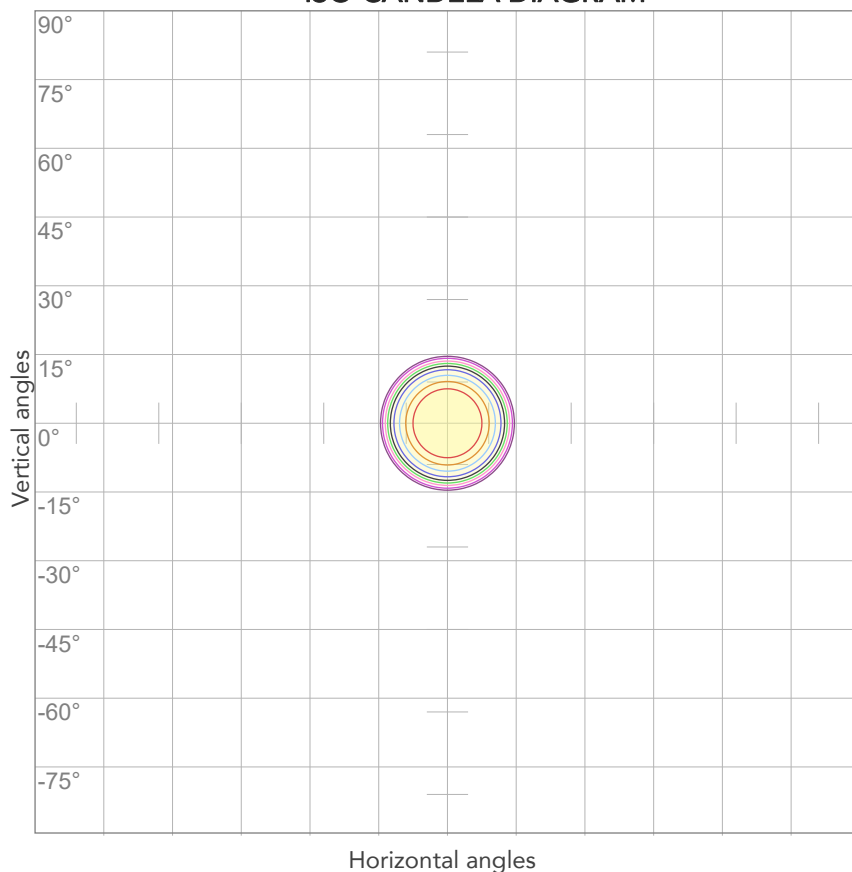
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,851A	178,6W	32lm/W

ISO CANDELA DIAGRAM



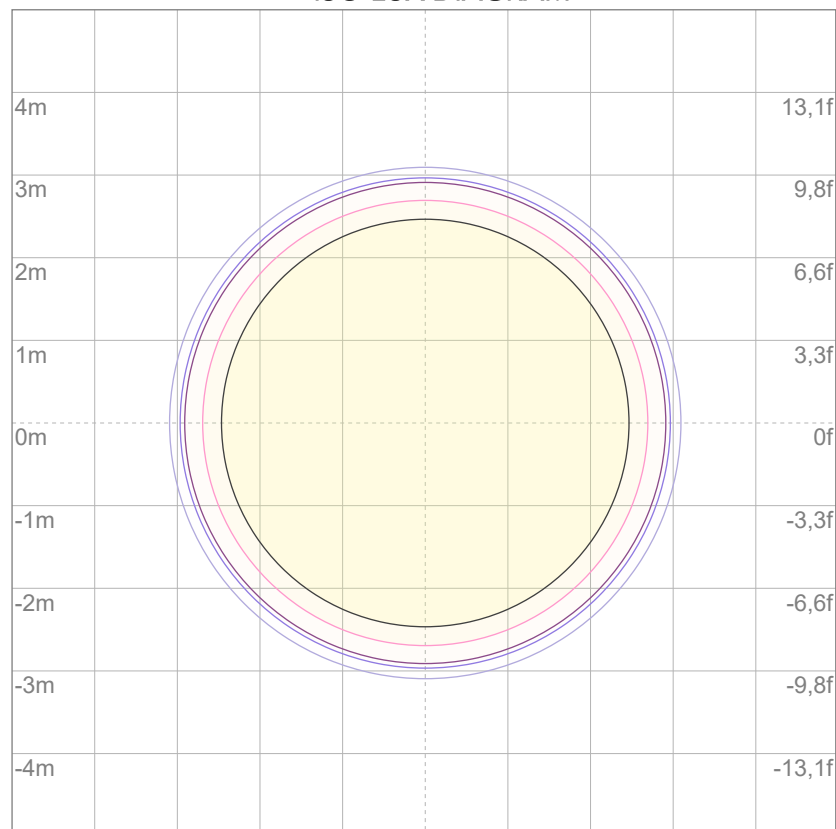
10%	3303 cd
20%	6605 cd
30%	9908 cd
40%	13211 cd
50%	16513 cd
60%	19816 cd
70%	23119 cd
80%	26422 cd

Conditions:

Number of c-planes: 2

Candela at center: 33027 cd

ISO LUX DIAGRAM



3%	9,91 lx
5%	16,5 lx
10%	33,0 lx
30%	99,1 lx
50%	165 lx

Conditions:

Number of c-planes: 2

Lux at center: 330 lx

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



Total lumen output:

4442 lm

Peak candela output:

73758 cd

Light quality:

CRI: 93,2

Color temperature:

3233 K

PRODUCT NAME:

ECLCTPLUS IP

MEASURAMENT CONDITIONS:

Beam angle:

PRL15-30 Min Zoom

Target:

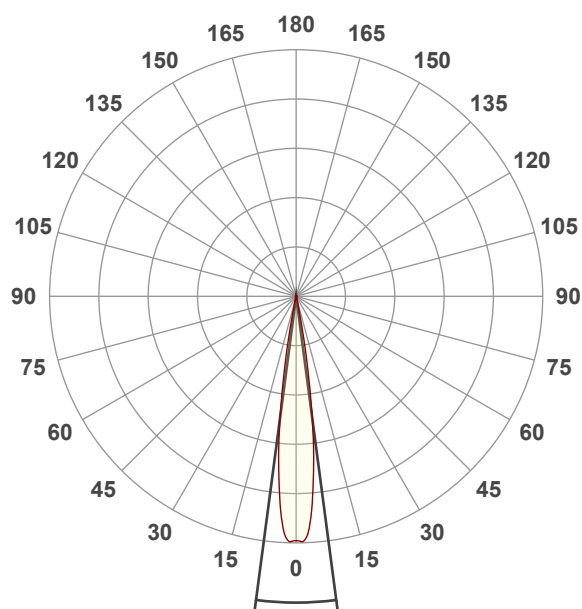
3200K HQ

Operator:

Paolo Carvone

Date and time:

15/07/2020 12:54:44

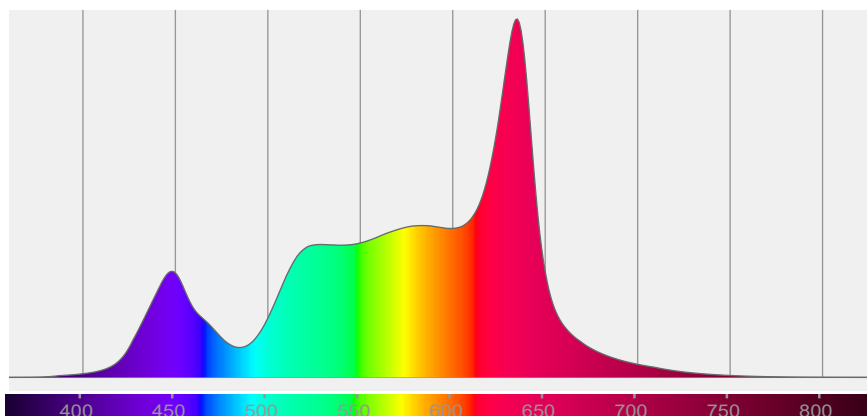


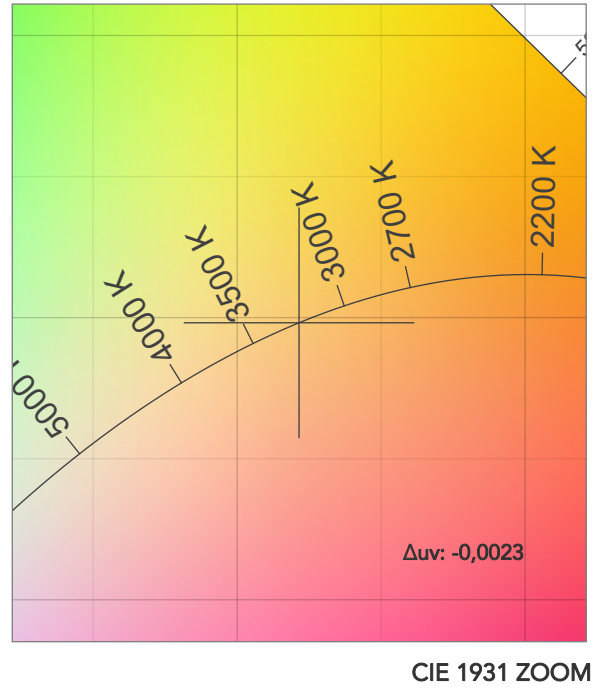
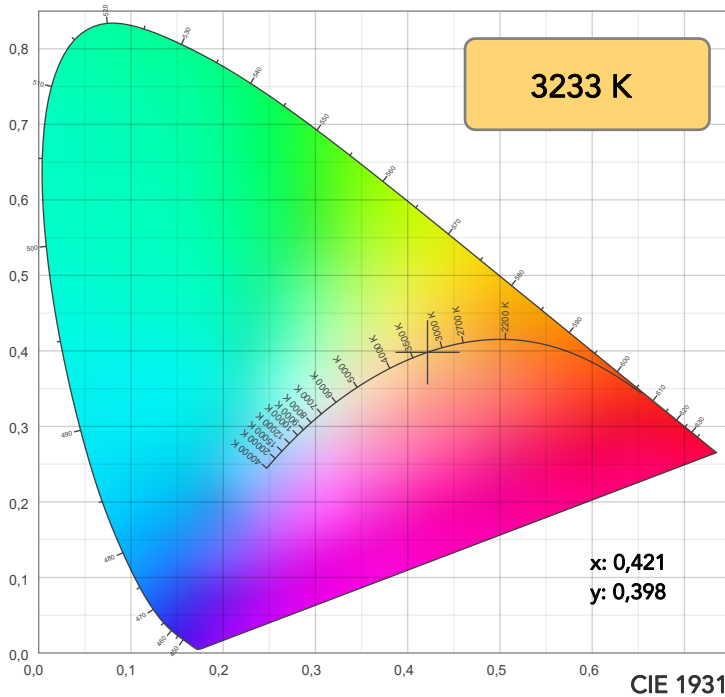
Beam angle 50%: 15,1°

Field angle 10%: 22,1°

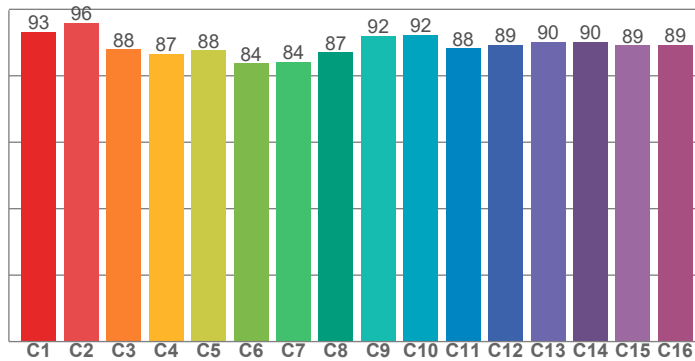
Cut off angle 2.5%: 24,7°

Spectra

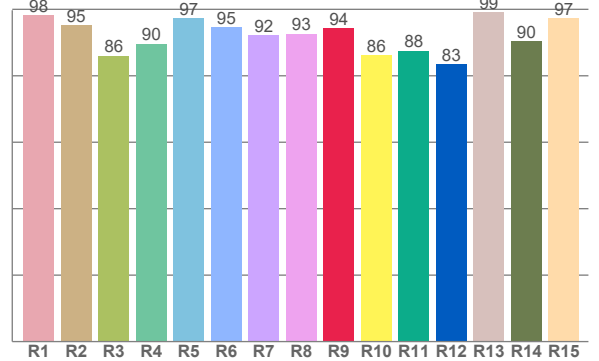




TM30: 89,5



CRI: 93,2 (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
98,2	95,2	86,0	89,7	97,3	94,6	92,2	92,7	94,4	86,2	87,5	83,4	99,0	90,4	97,3

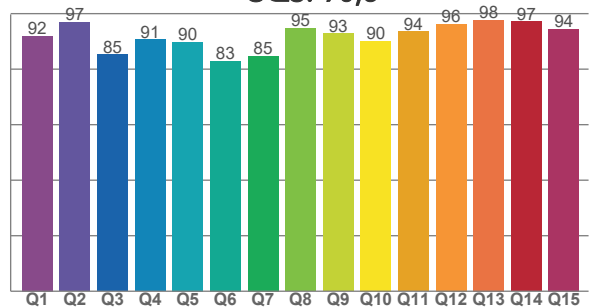
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,2	95,9	87,9	86,5	87,7	83,8	84,2	87,0	92,0	92,3	88,2	89,3	90,3	90,2	89,2	89,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91,9	96,9	85,2	90,6	89,8	82,9	84,7	94,7	92,8	90,1	93,6	96,3	97,7	97,2	94,5

CQS: 90,5



COLOR PARAMETERS

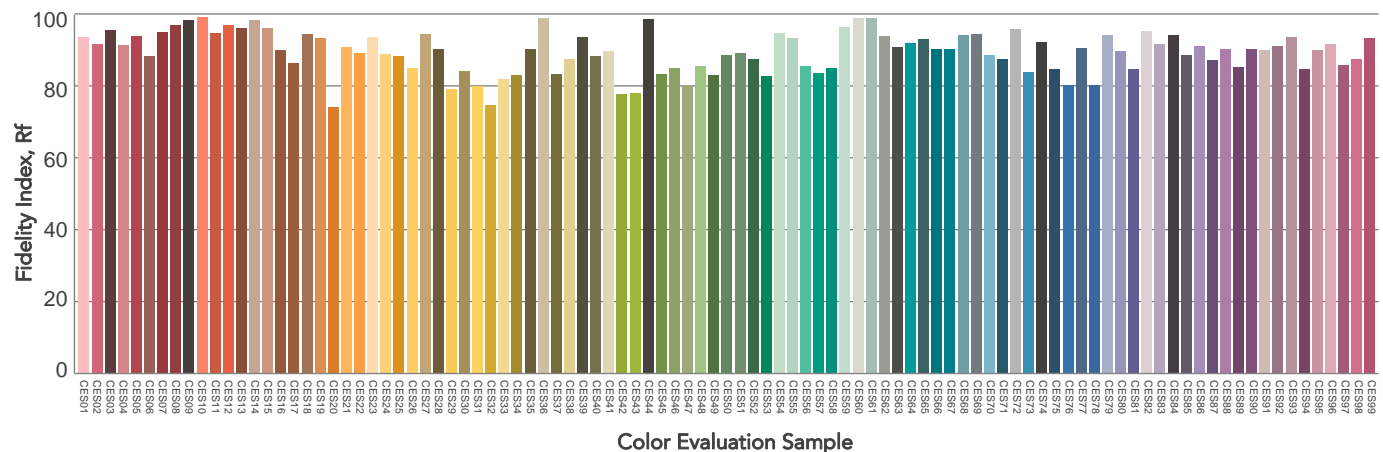
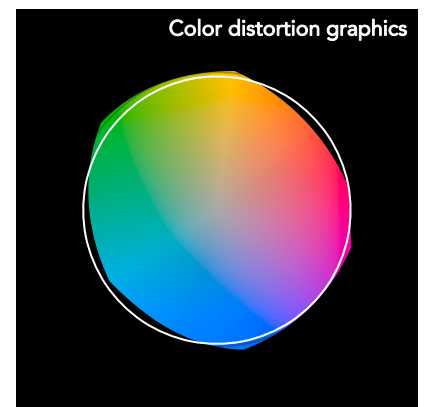
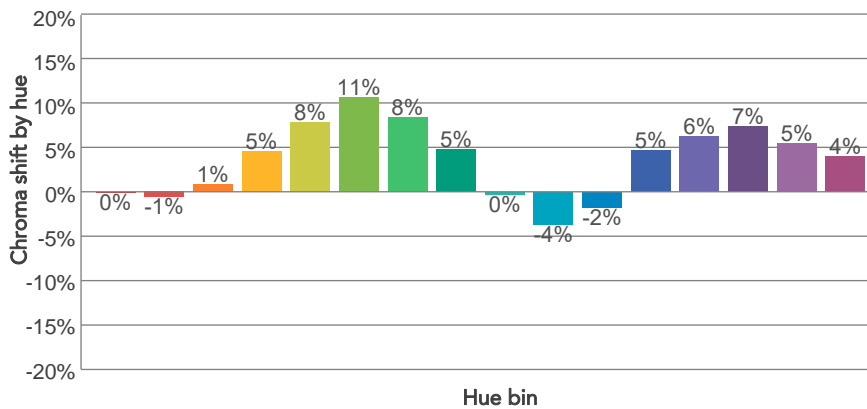
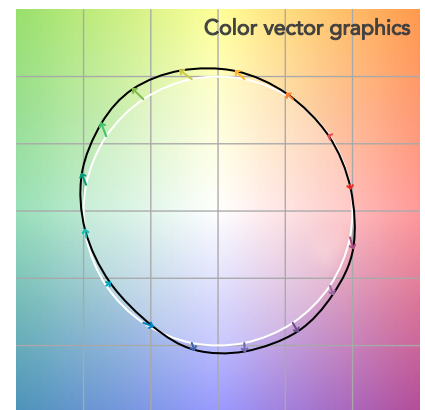
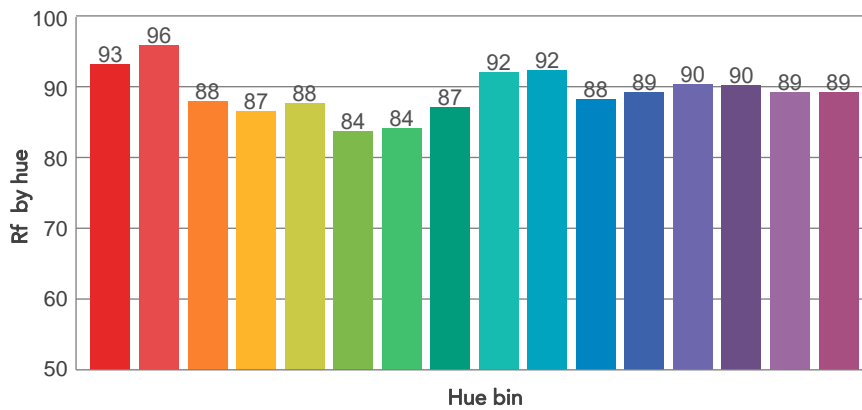
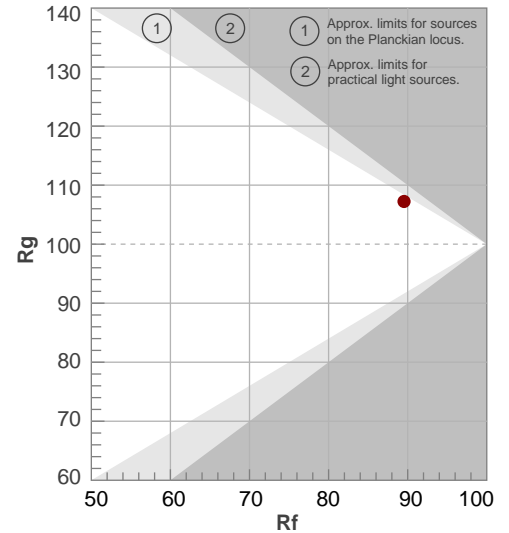
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3233 K	93,2	94,4	89,5	107,2	90,5	83	0,421	0,398	-0,0023

TM30 DETAILS

Rf 89,5
Fidelity index Rf

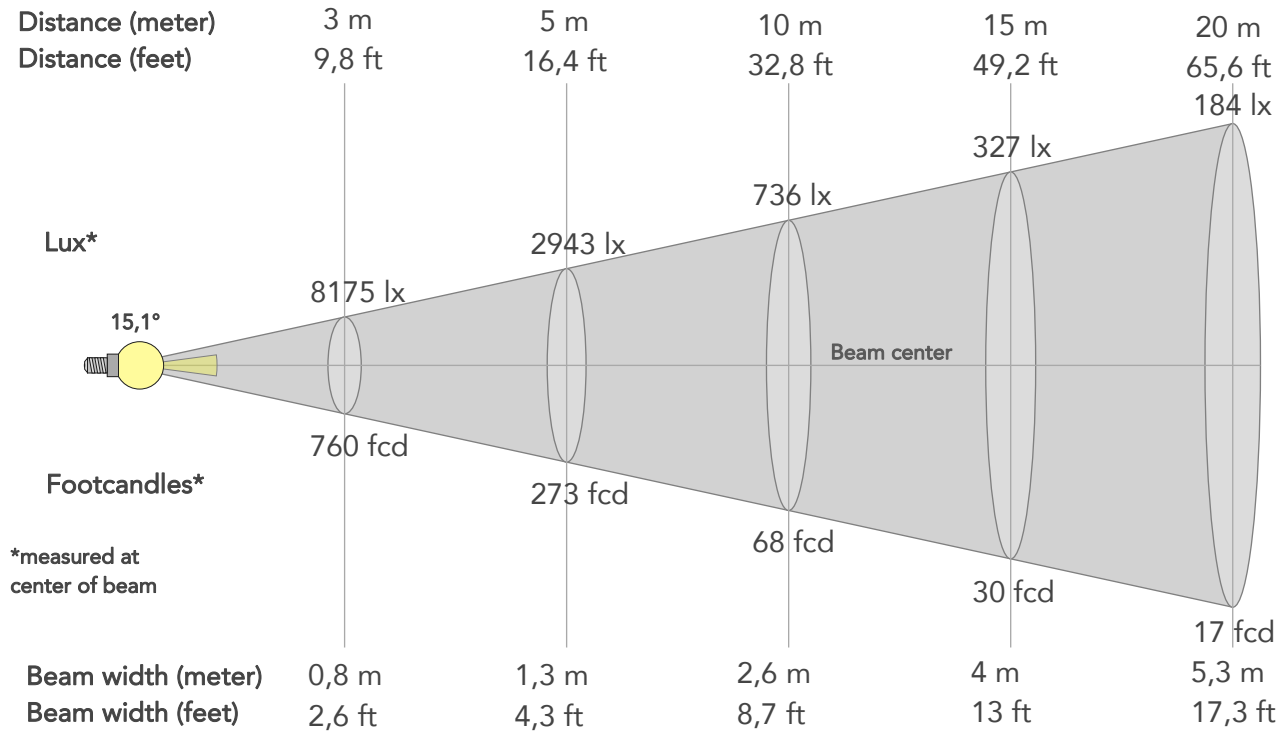
Rg 107,2
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	0%	-3%
2	96	-1%	1%
3	88	1%	6%
4	87	5%	7%
5	88	8%	7%
6	84	11%	2%
7	84	8%	-6%
8	87	5%	-7%
9	92	0%	-6%
10	92	-4%	0%
11	88	-2%	7%
12	89	5%	3%
13	90	6%	-1%
14	90	7%	0%
15	89	5%	-4%
16	89	4%	-7%



BEAM DETAILS

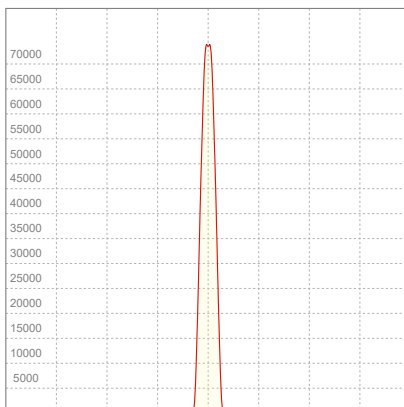
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,1°	22,1°	24,7°	100,0%	100,0%



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	73577lx	18394lx	8175lx	4599lx	2943lx	1308lx	736lx	327lx	184lx	118lx	82lx	46lx	29lx
Footcand.	6836fcd	1709fcd	760fcd	427fcd	273fcd	122fcd	68fcd	30fcd	17fcd	11fcd	8fcd	4fcd	3fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,3m	2m	2,6m	4m	5,3m	6,6m	7,9m	10,6m	13,2m
Beam wid.	0,9ft	1,7ft	2,6ft	3,5ft	4,3ft	6,5ft	8,7ft	13ft	17,3ft	21,7ft	26ft	34,7ft	43,3ft

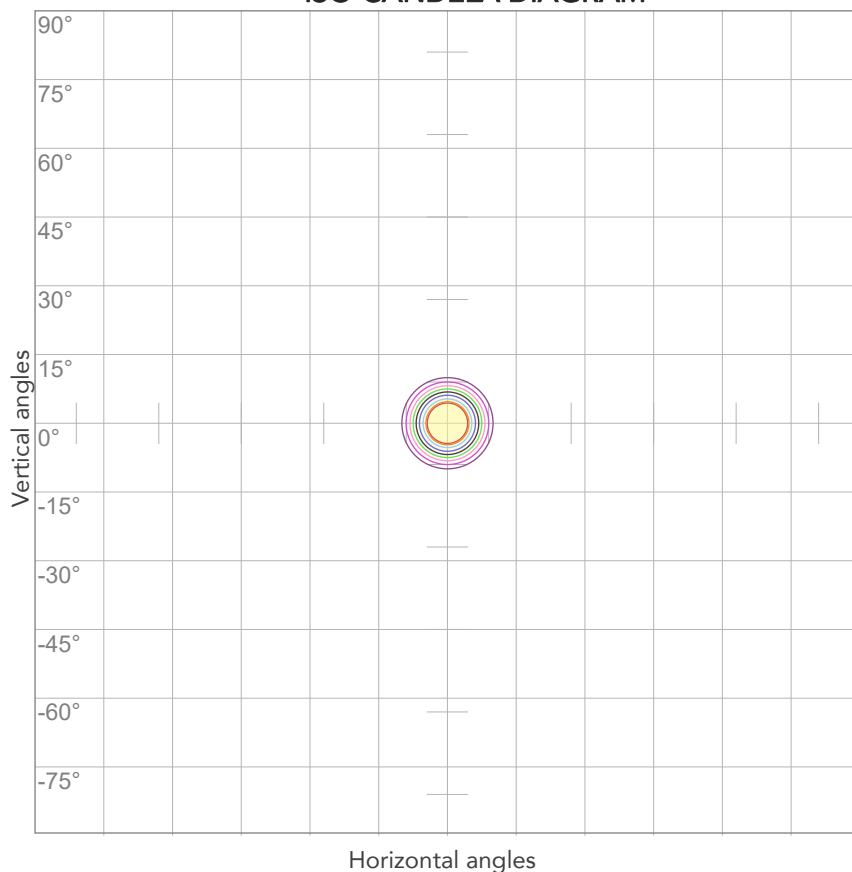
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,846A	178,4W	25lm/W

ISO CANDELA DIAGRAM



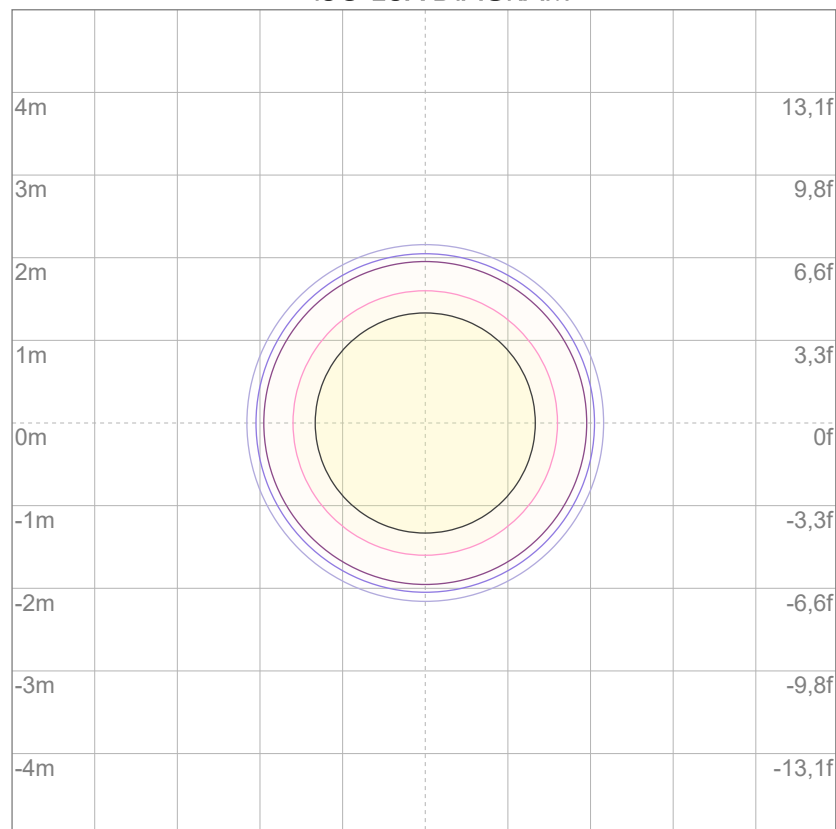
10%	7358 cd
20%	14715 cd
30%	22073 cd
40%	29431 cd
50%	36788 cd
60%	44146 cd
70%	51504 cd
80%	58861 cd

Conditions:

Number of c-planes: 2

Candela at center: 73577 cd

ISO LUX DIAGRAM



3%	22,1 lx
5%	36,8 lx
10%	73,6 lx
30%	221 lx
50%	368 lx

Conditions:

Number of c-planes: 2

Lux at center: 736 lx

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



Total lumen output:

6024 lm

Peak candela output:

34638 cd

Light quality:

CRI: 95,9

Color temperature:

4011 K

PRODUCT NAME:

ECLCTPLUS IP

MEASURAMENT CONDITIONS:

Beam angle:

PRL15-30 Max Zoom

Target:

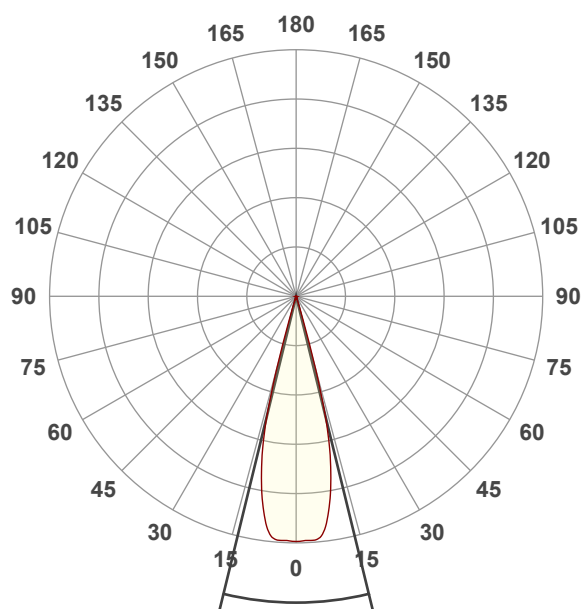
4000K HQ

Operator:

Paolo Carvone

Date and time:

15/07/2020 12:05:00

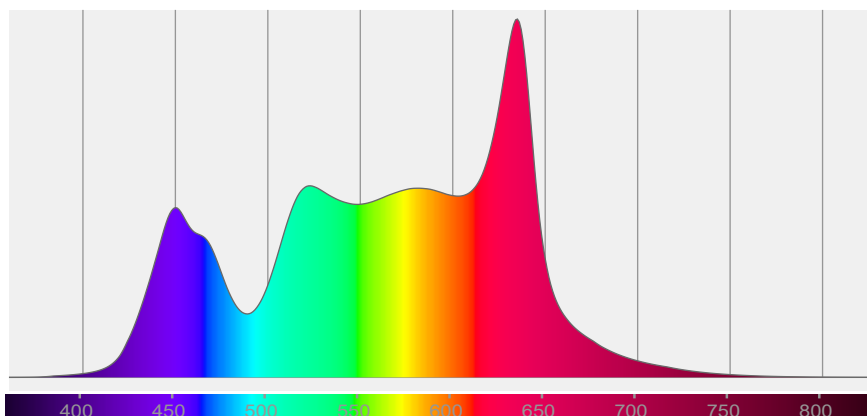


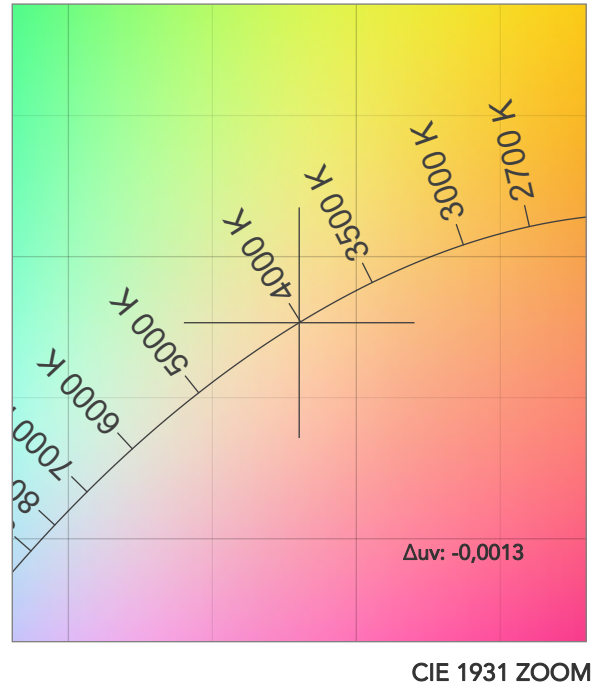
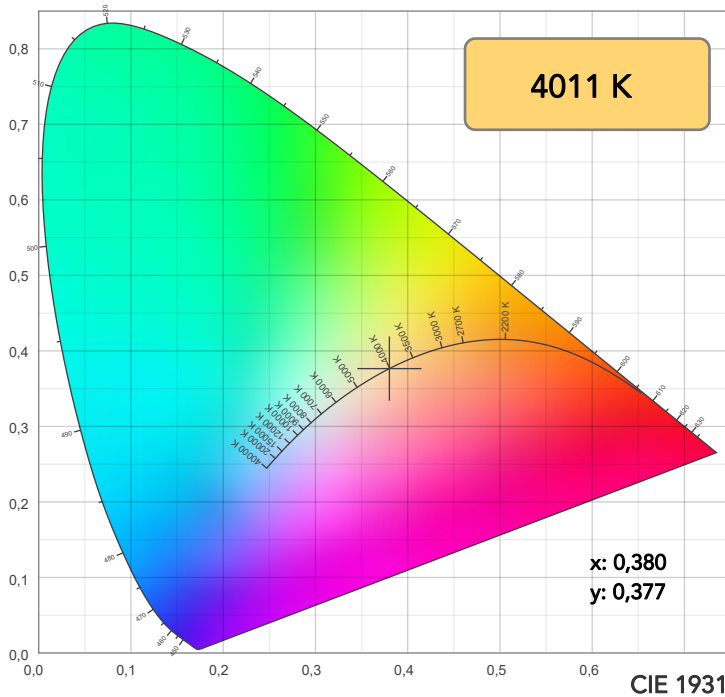
Beam angle 50%: 27,4°

Field angle 10%: 32,6°

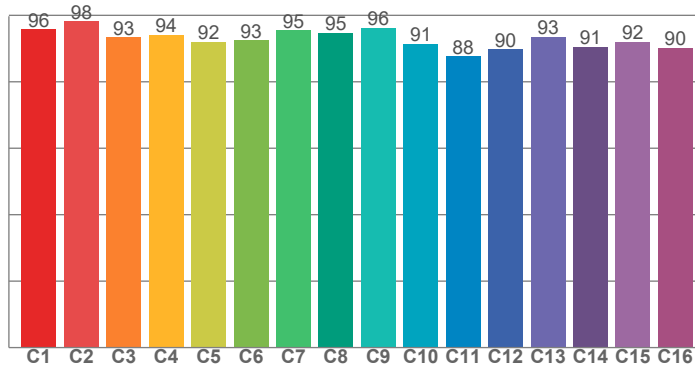
Cut off angle 2.5%: 34,9°

Spectra

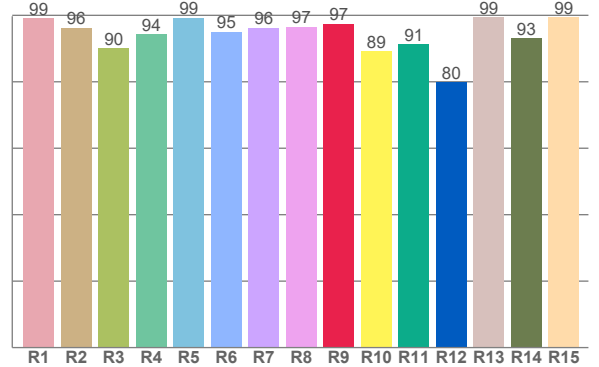




TM30: 93,0



CRI: 95,9 (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
99,0	96,3	90,1	94,4	99,2	95,0	96,2	96,5	97,4	89,2	91,2	79,8	99,4	93,1	99,5

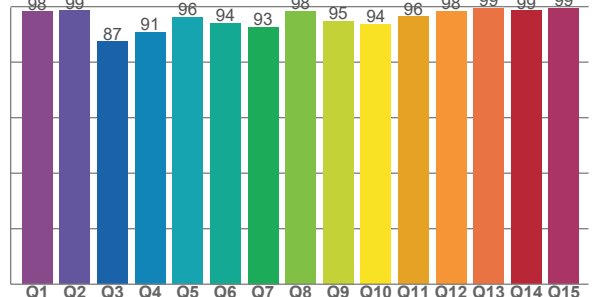
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,8	98,2	93,3	94,1	92,0	92,5	95,4	94,8	96,2	91,4	87,6	89,8	93,5	90,5	92,1	90,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,3	98,6	87,4	90,8	96,2	94,2	92,6	98,3	94,8	93,6	96,4	98,4	99,4	98,6	99,4

CQS: 94,6



COLOR PARAMETERS

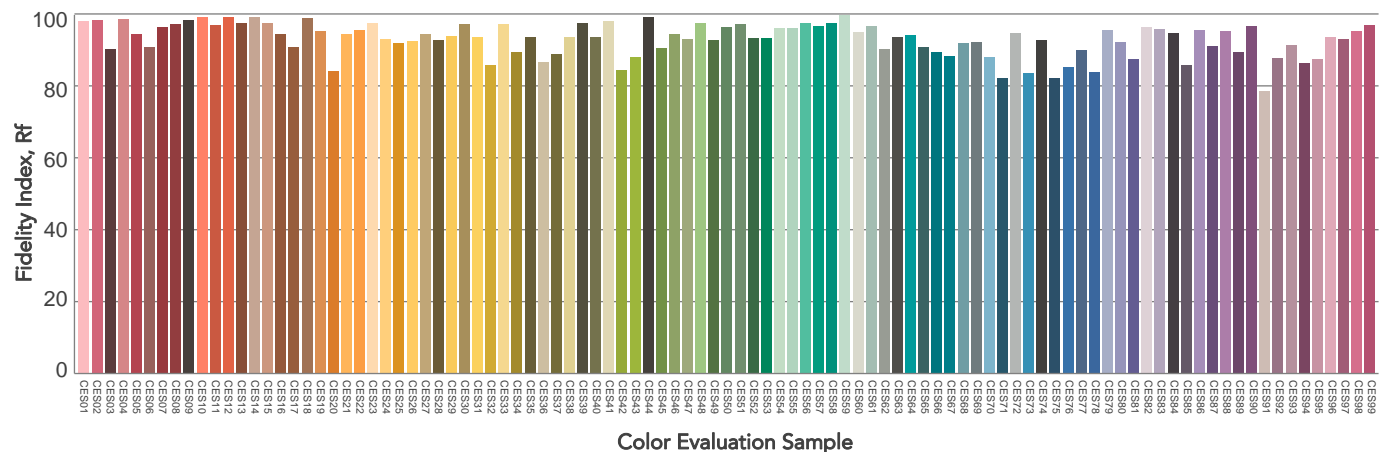
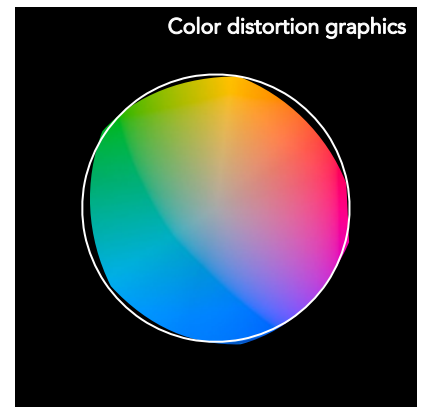
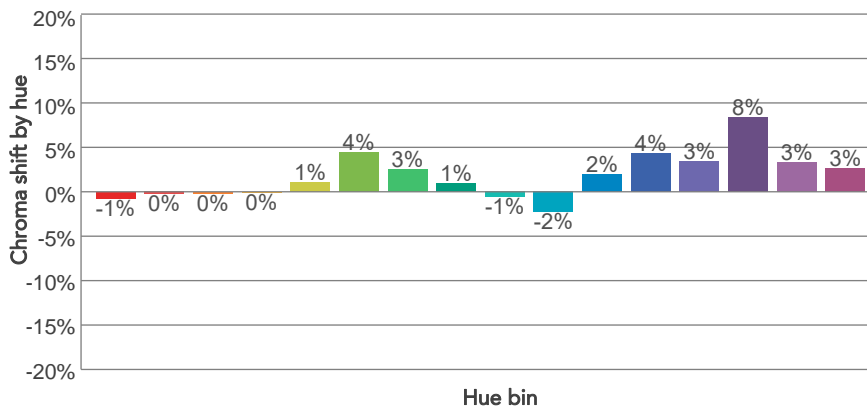
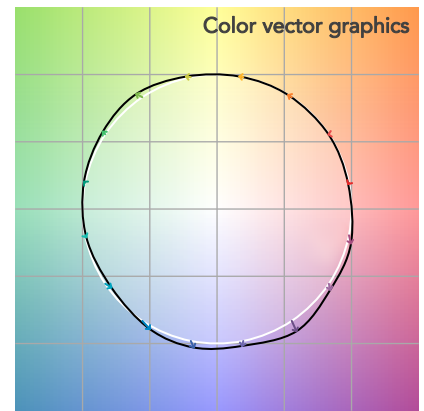
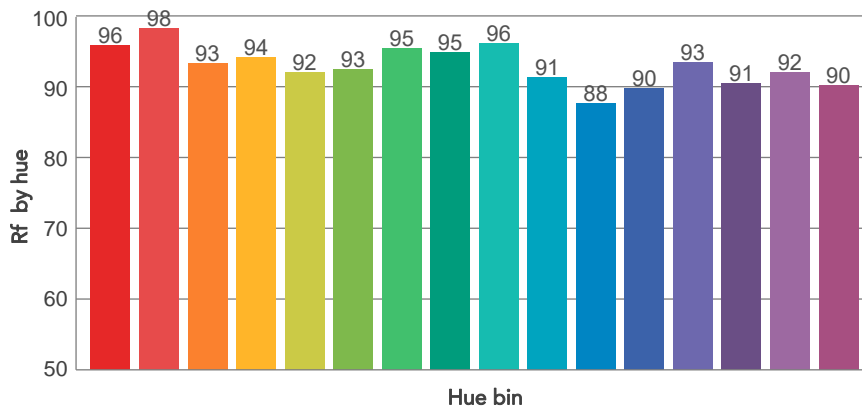
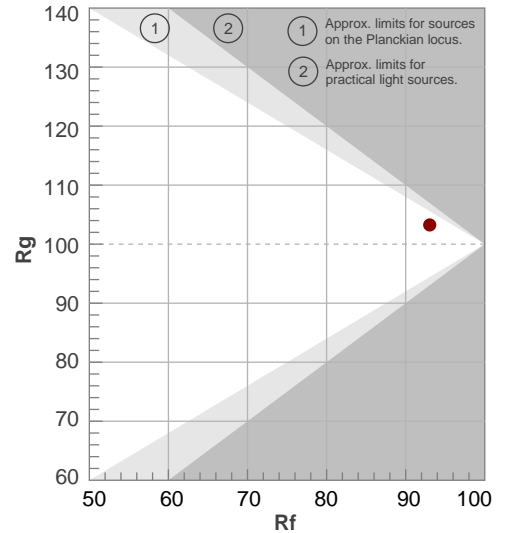
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4011 K	95,9	97,4	93,0	103,3	94,6	91	0,380	0,377	-0,0013

TM30 DETAILS

Rf 93,0
Fidelity index Rf

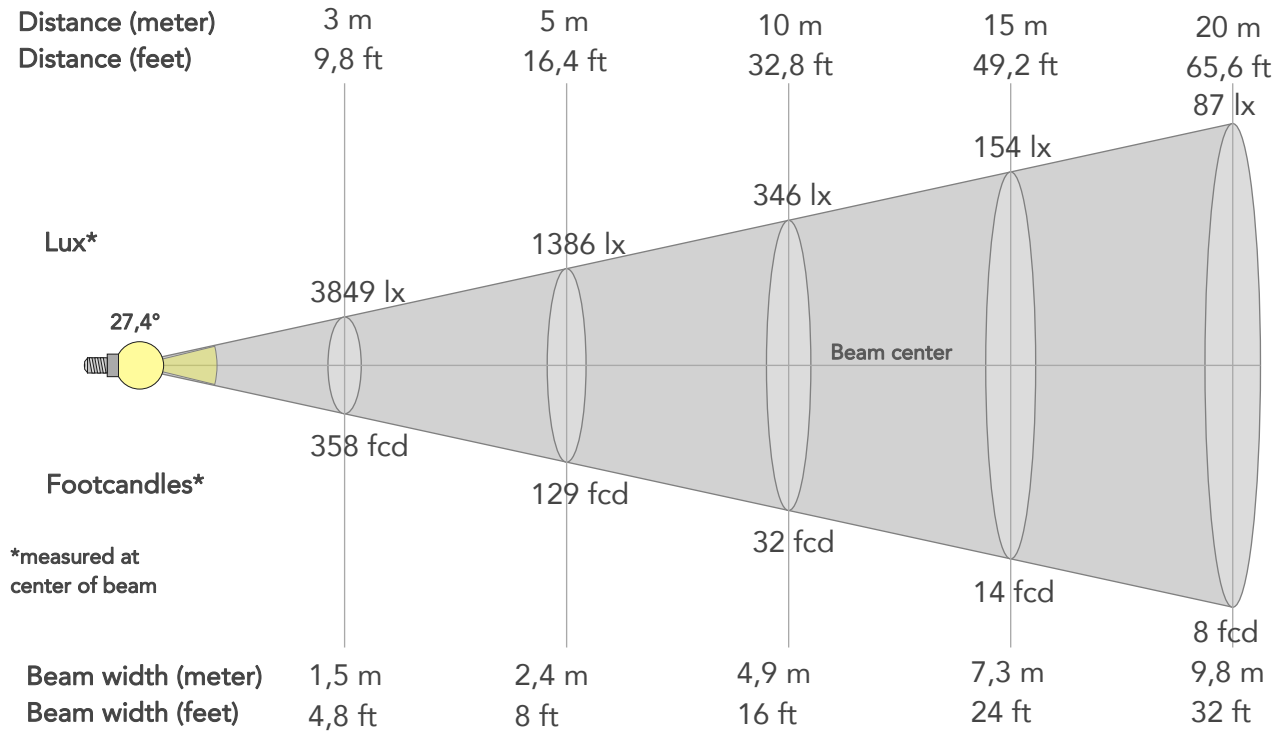
Rg 103,3
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	-1%
2	98	0%	0%
3	93	0%	3%
4	94	0%	3%
5	92	1%	3%
6	93	4%	2%
7	95	3%	-1%
8	95	1%	-1%
9	96	-1%	2%
10	91	-2%	5%
11	88	2%	8%
12	90	4%	3%
13	93	3%	-2%
14	91	8%	-1%
15	92	3%	-3%
16	90	3%	-6%



BEAM DETAILS

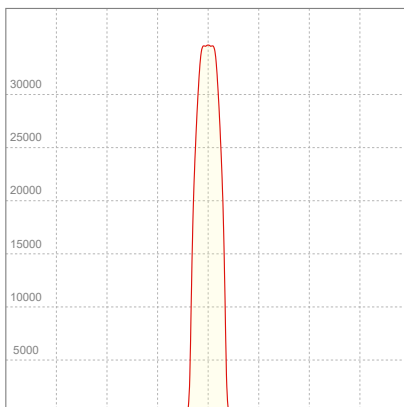
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27,4°	32,6°	34,9°	99,9%	99,6%



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	34638lx	8660lx	3849lx	2165lx	1386lx	616lx	346lx	154lx	87lx	55lx	38lx	22lx	14lx
Footcand.	3218fcd	805fcd	358fcd	201fcd	129fcd	57fcd	32fcd	14fcd	8fcd	5fcd	4fcd	2fcd	1fcd
Beam wid.	0,5m	1m	1,5m	2m	2,4m	3,7m	4,9m	7,3m	9,8m	12,2m	14,7m	19,5m	24,4m
Beam wid.	1,6ft	3,2ft	4,8ft	6,4ft	8ft	12ft	16ft	24ft	32ft	40ft	48,1ft	64,1ft	80,1ft

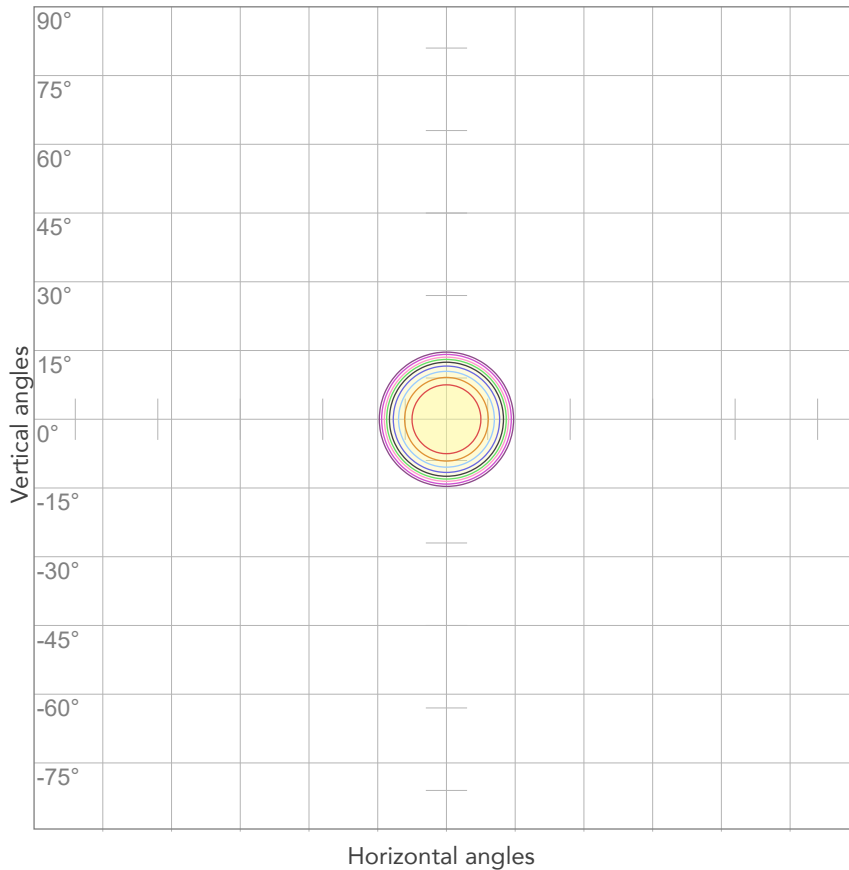
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,925A	195,8W	31lm/W

ISO CANDELA DIAGRAM



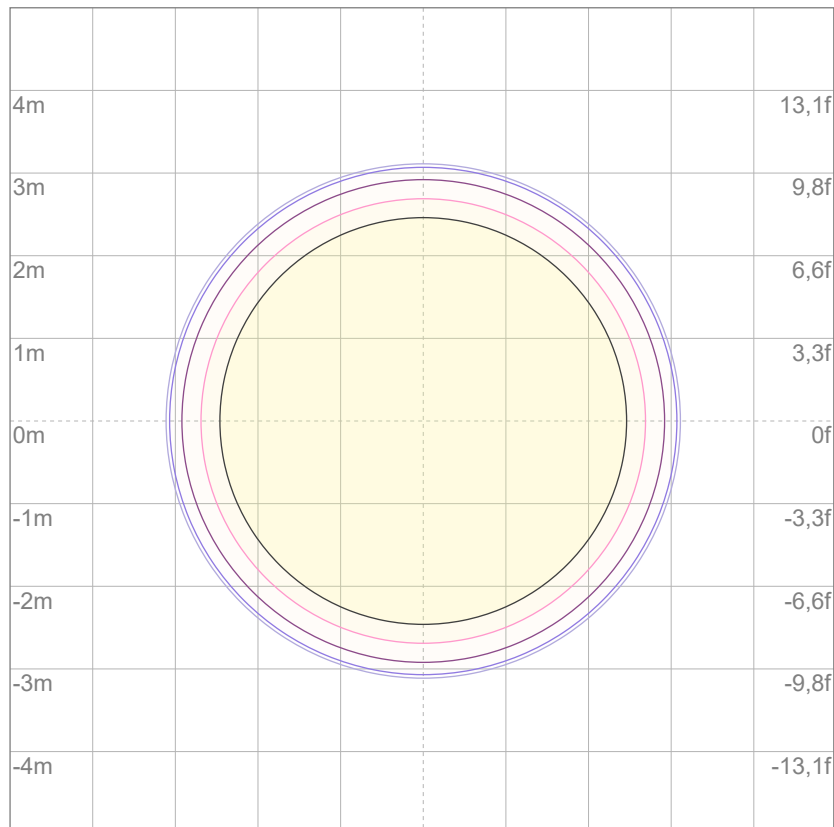
10%	3464 cd
20%	6928 cd
30%	10391 cd
40%	13855 cd
50%	17319 cd
60%	20783 cd
70%	24247 cd
80%	27711 cd

Conditions:

Number of c-planes: 2

Candela at center: 34638 cd

ISO LUX DIAGRAM



3%	10,4 lx
5%	17,3 lx
10%	34,6 lx
30%	104 lx
50%	173 lx

Conditions:

Number of c-planes: 2

Lux at center: 346 lx

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



Total lumen output:

4667 lm

Peak candela output:

78122 cd

Light quality:

CRI: 95,0

Color temperature:

4015 K

PRODUCT NAME:

ECLCTPLUS IP

MEASURAMENT CONDITIONS:

Beam angle:

PRL15-30 Min Zoom

Target:

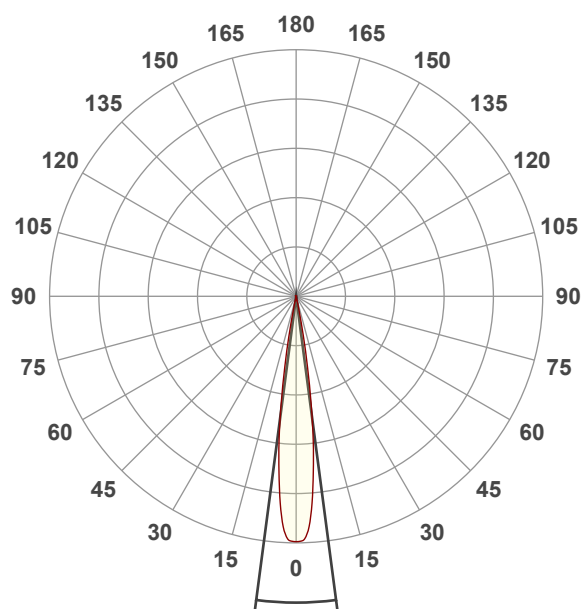
4000K HQ

Operator:

Paolo Carvone

Date and time:

15/07/2020 12:56:05

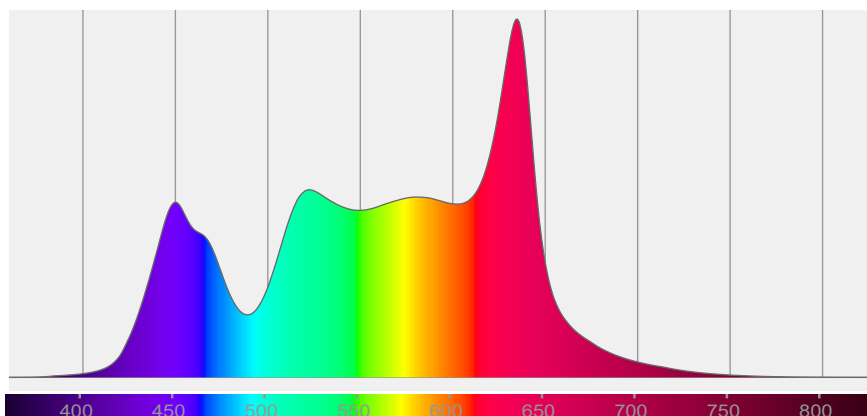


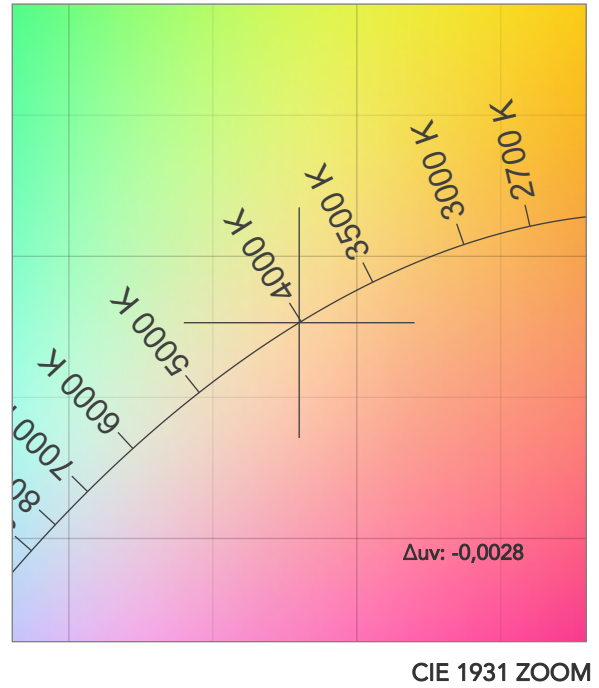
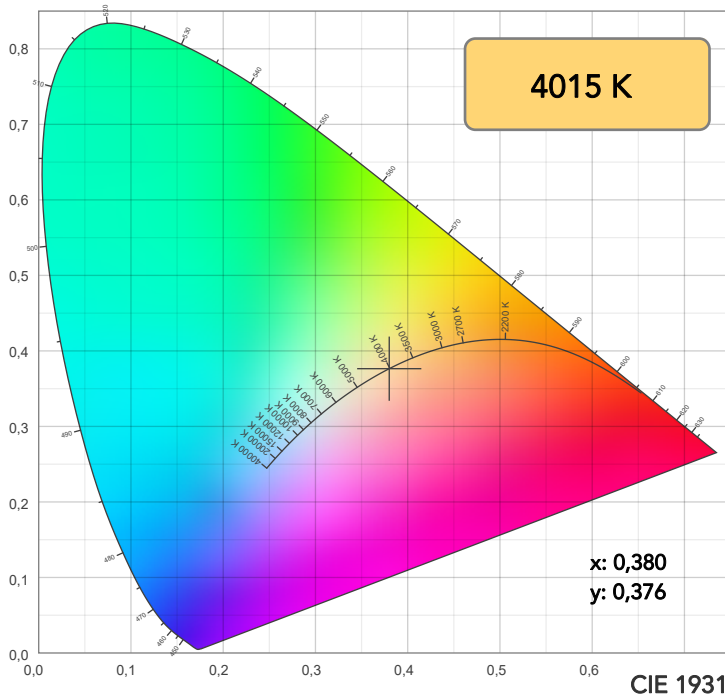
Beam angle 50%: 15°

Field angle 10%: 22,1°

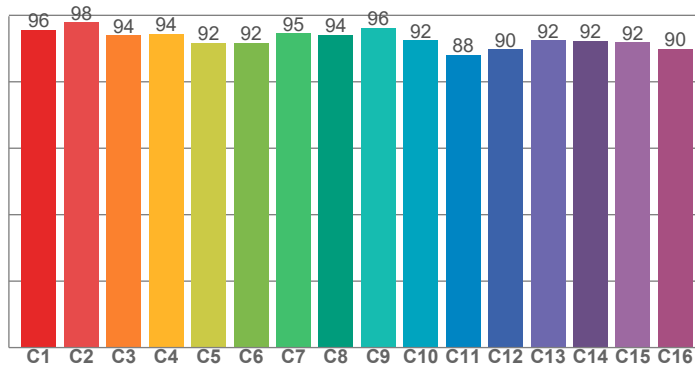
Cut off angle 2.5%: 24,8°

Spectra

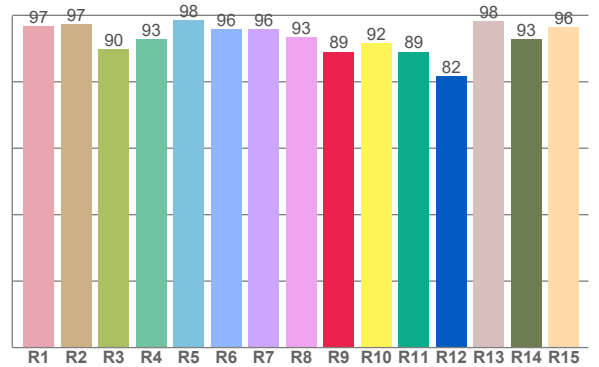




TM30: 93,0



CRI: 95,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,7	97,3	89,8	92,7	98,4	95,8	95,7	93,4	89,0	91,6	89,1	81,6	98,3	92,8	96,3

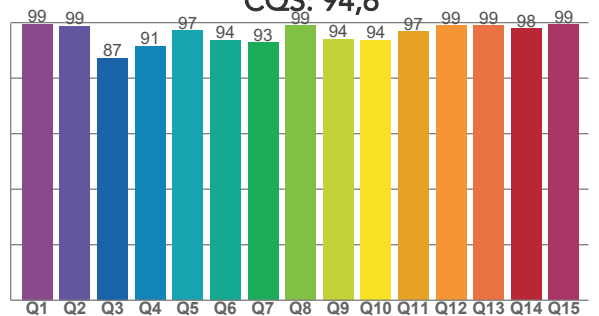
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,7	97,9	93,9	94,3	91,7	91,7	94,5	94,1	96,3	92,4	88,2	89,8	92,4	92,2	91,9	89,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,4	98,7	87,3	91,5	97,2	93,7	92,8	99,0	94,1	93,6	96,7	99,0	99,0	97,9	99,3

CQS: 94,6



COLOR PARAMETERS

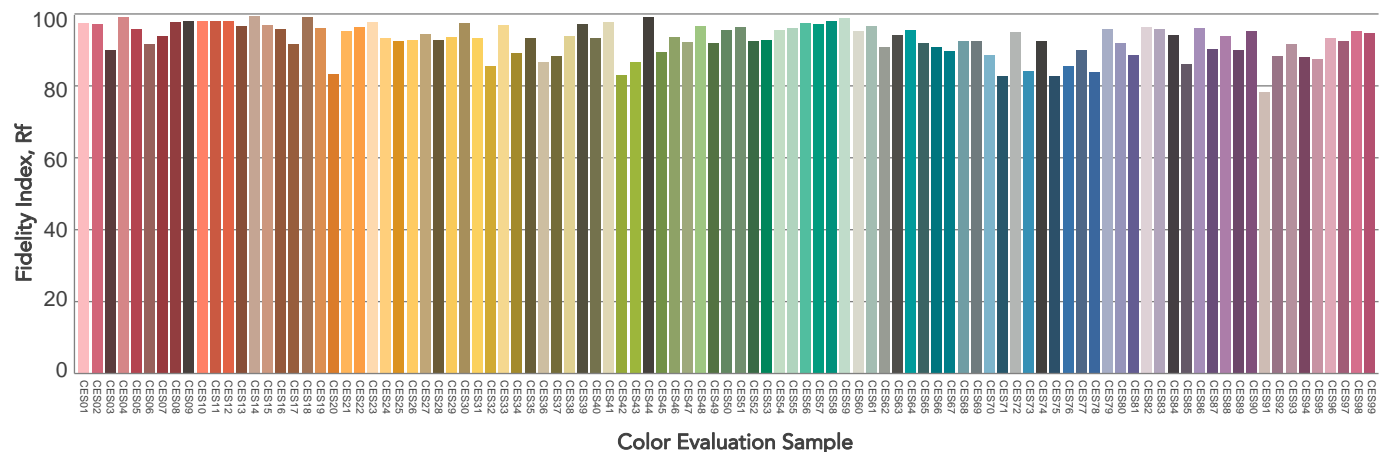
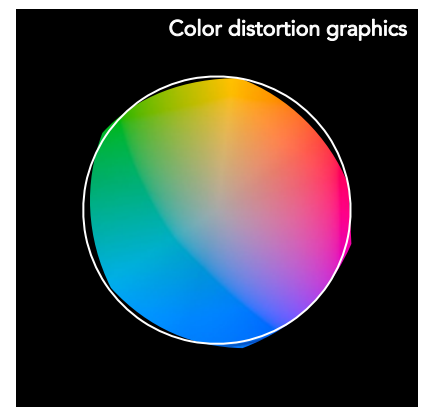
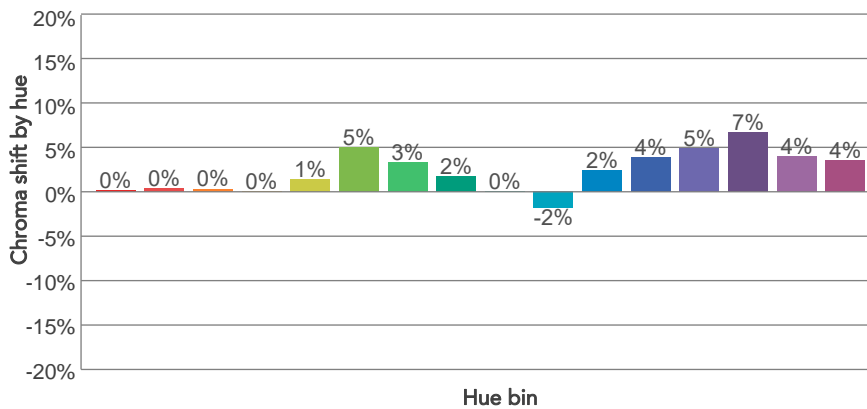
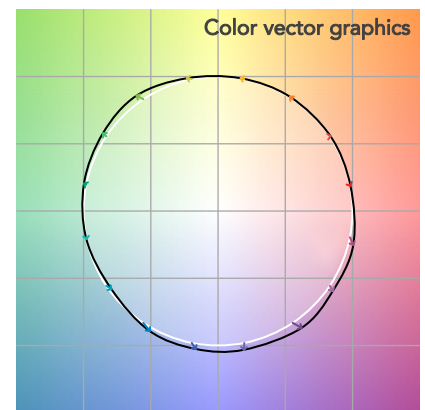
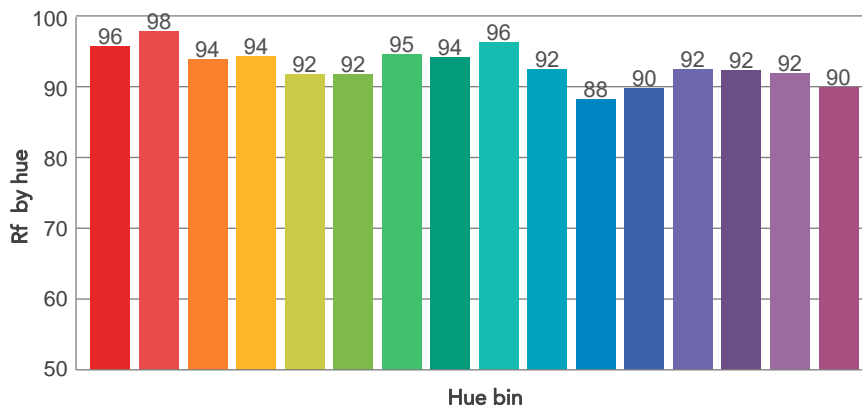
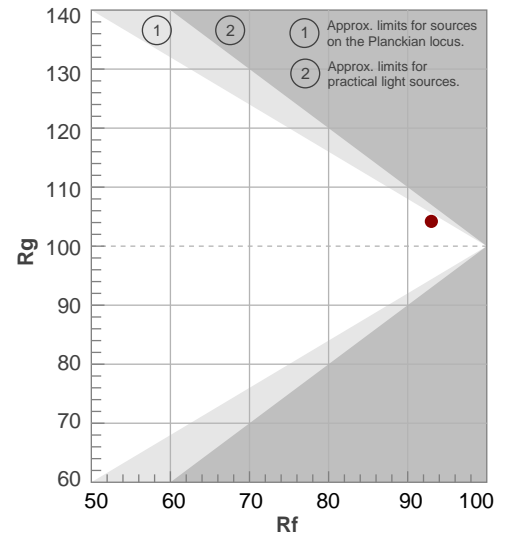
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4015 K	95,0	89,0	93,0	104,2	94,6	91	0,380	0,376	-0,0028

TM30 DETAILS

Rf 93,0
Fidelity index Rf

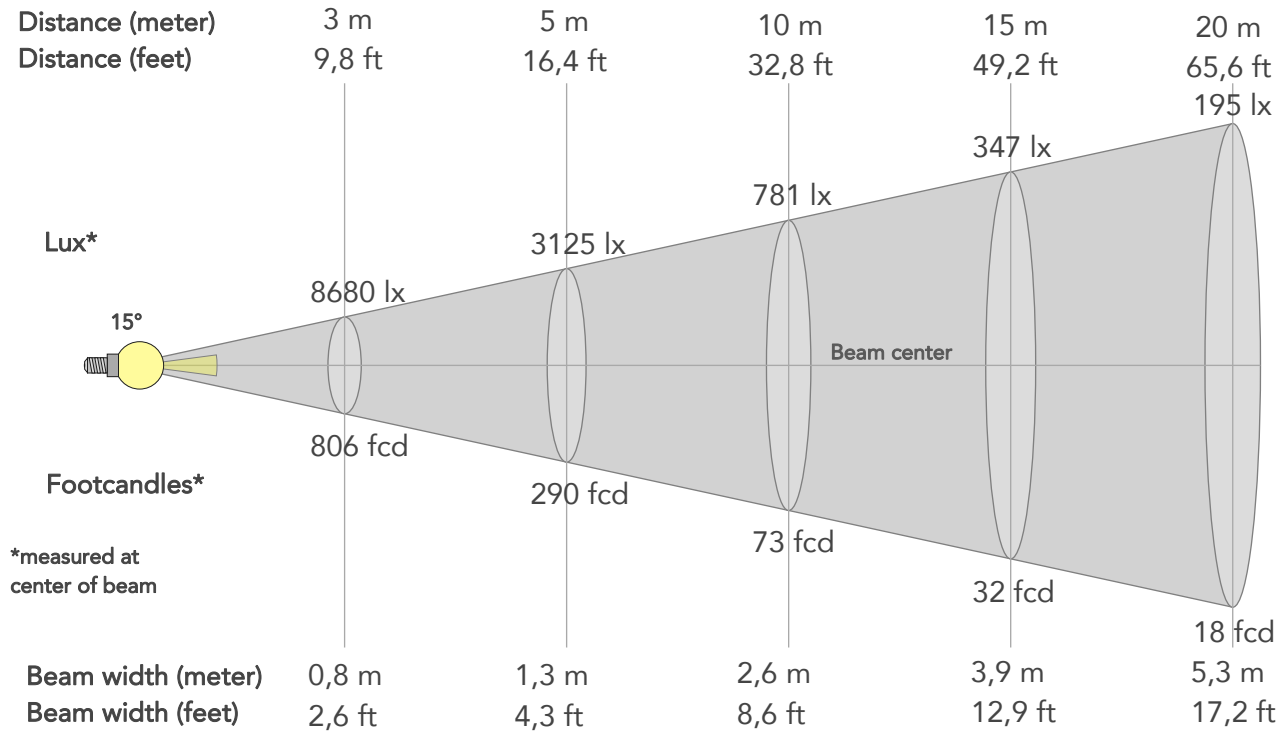
Rg 104,2
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	98	0%	0%
3	94	0%	3%
4	94	0%	3%
5	92	1%	4%
6	92	5%	3%
7	95	3%	0%
8	94	2%	-1%
9	96	0%	1%
10	92	-2%	4%
11	88	2%	7%
12	90	4%	4%
13	92	5%	-1%
14	92	7%	3%
15	92	4%	-2%
16	90	4%	-5%



BEAM DETAILS

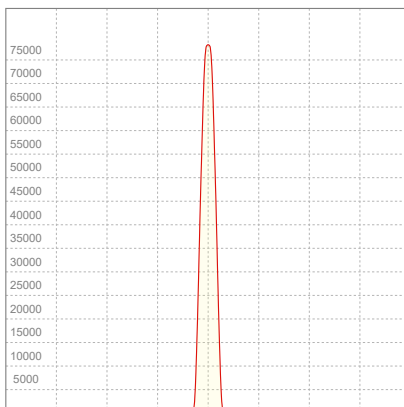
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15°	22,1°	24,8°	100,0%	100,0%



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	78122lx	19531lx	8680lx	4883lx	3125lx	1389lx	781lx	347lx	195lx	125lx	87lx	49lx	31lx
Footcand.	7258fcd	1814fcd	806fcd	454fcd	290fcd	129fcd	73fcd	32fcd	18fcd	12fcd	8fcd	5fcd	3fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,3m	2m	2,6m	3,9m	5,3m	6,6m	7,9m	10,5m	13,1m
Beam wid.	0,9ft	1,7ft	2,6ft	3,4ft	4,3ft	6,5ft	8,6ft	12,9ft	17,2ft	21,6ft	25,9ft	34,5ft	43,1ft

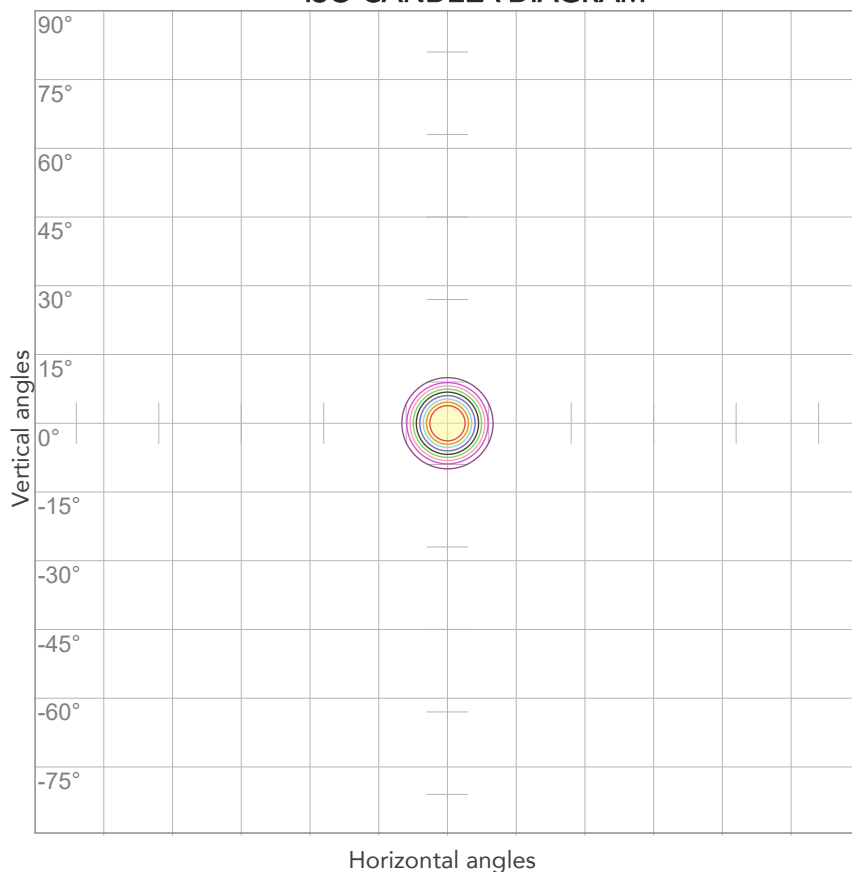
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,917A	195,3W	24lm/W

ISO CANDELA DIAGRAM



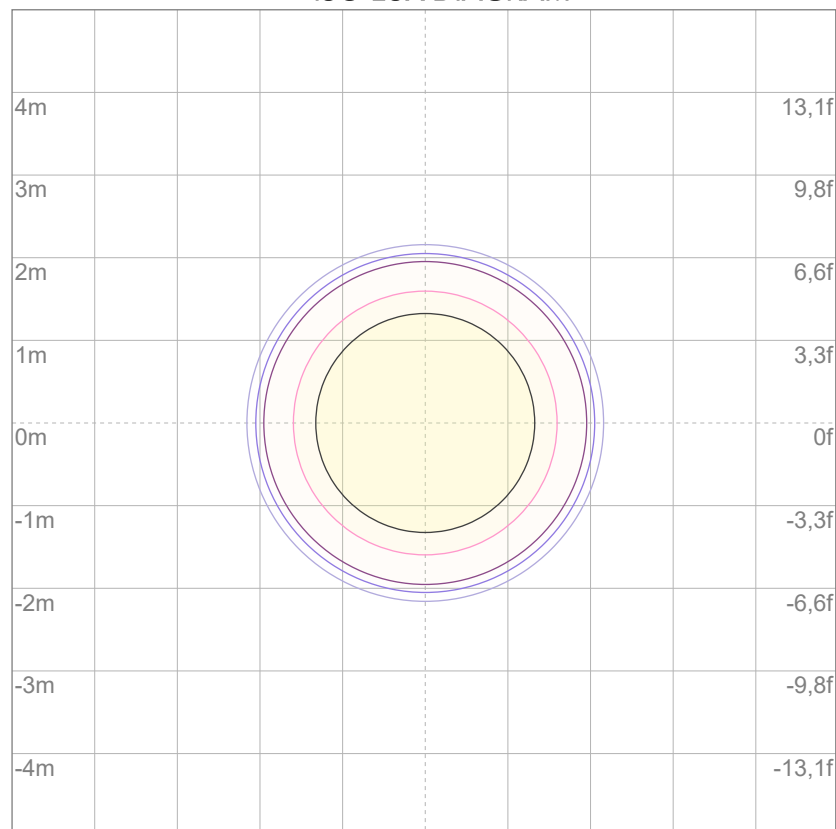
10%	7812 cd
20%	15624 cd
30%	23437 cd
40%	31249 cd
50%	39061 cd
60%	46873 cd
70%	54685 cd
80%	62498 cd

Conditions:

Number of c-planes: 2

Candela at center: 78122 cd

ISO LUX DIAGRAM



3%	23,4 lx
5%	39,1 lx
10%	78,1 lx
30%	234 lx
50%	391 lx

Conditions:

Number of c-planes: 2

Lux at center: 781 lx

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



Total lumen output:

6498 lm

Peak candela output:

37442 cd

Light quality:

CRI: 97,3

Color temperature:

5620 K

PRODUCT NAME:

ECLCTPLUS IP

MEASURAMENT CONDITIONS:

Beam angle:

PRL15-30 Max Zoom

Target:

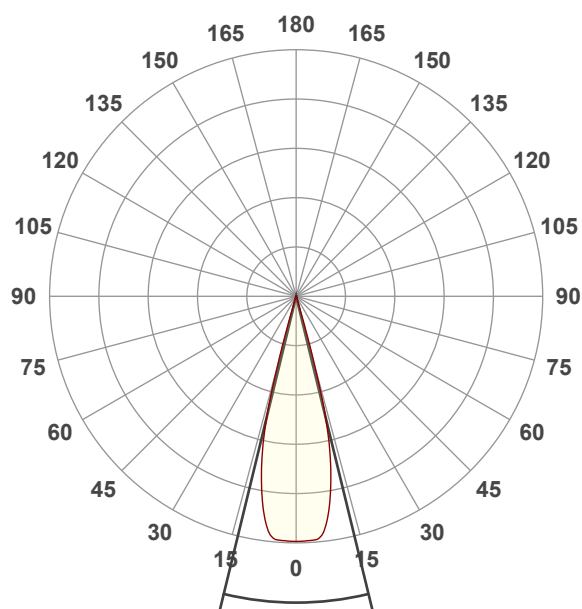
5600K HQ

Operator:

Paolo Carvone

Date and time:

15/07/2020 12:06:32

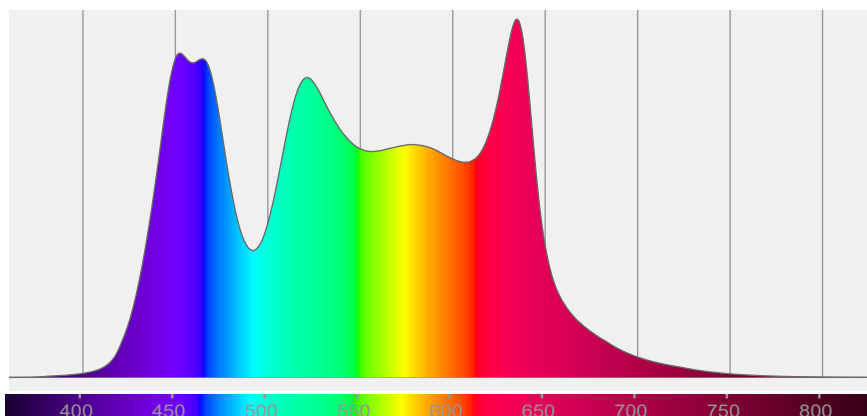


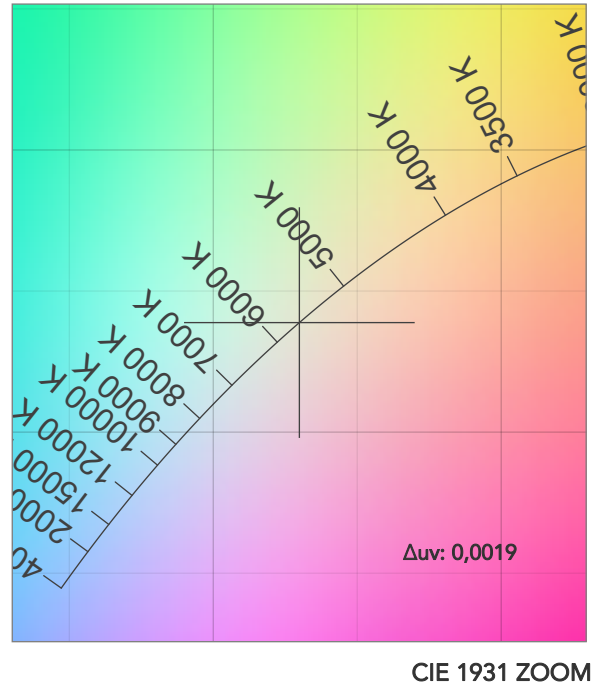
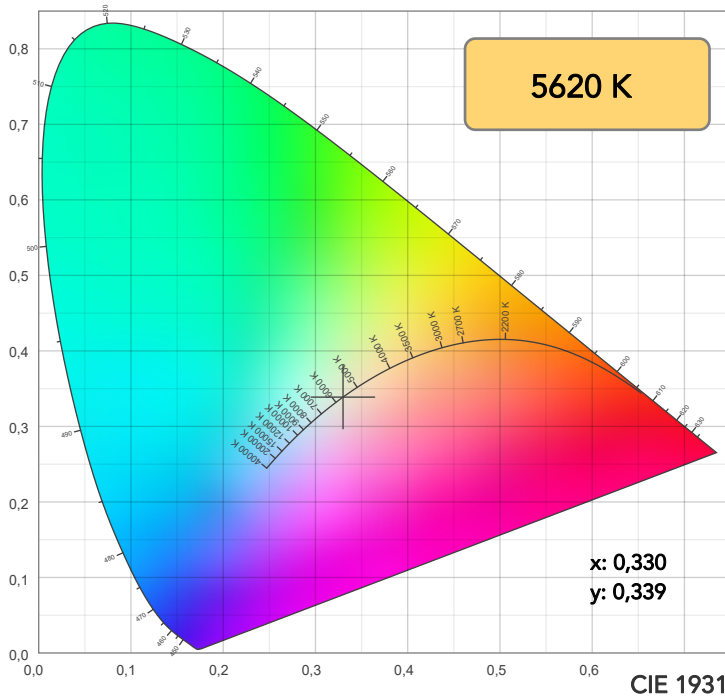
Beam angle 50%: 27,3°

Field angle 10%: 32,8°

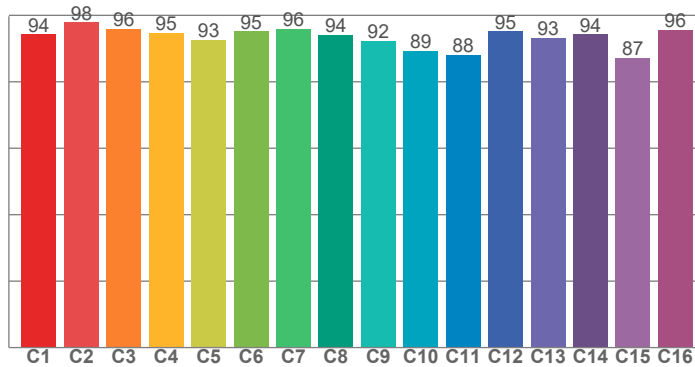
Cut off angle 2.5%: 35°

Spectra

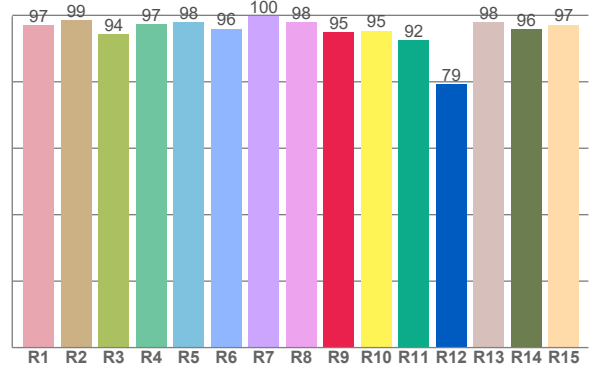




TM30: 93,4



CRI: 97,3 (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
97,1	98,5	94,3	97,2	97,9	96,0	99,7	97,8	94,9	95,4	92,4	79,2	98,0	95,8	97,2

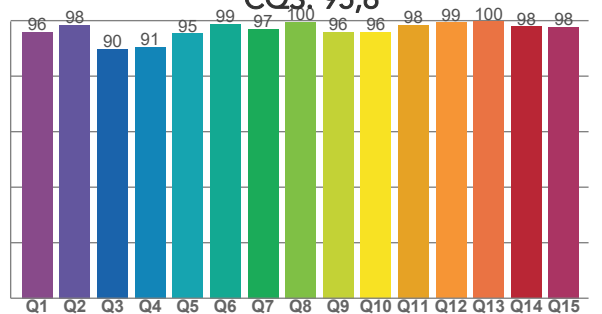
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,2	97,9	95,9	94,8	92,6	95,2	95,9	94,1	92,2	89,3	88,1	95,1	93,2	94,3	87,2	95,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,9	98,5	89,8	90,6	95,4	98,8	97,0	99,5	95,9	95,9	98,4	99,3	99,7	97,9	97,7

CQS: 95,6



COLOR PARAMETERS

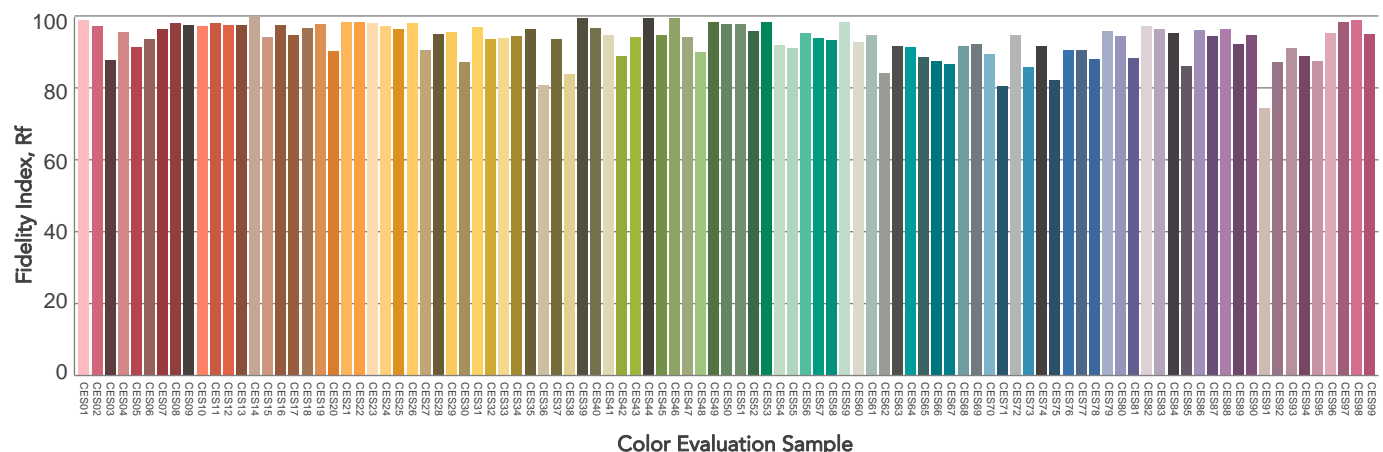
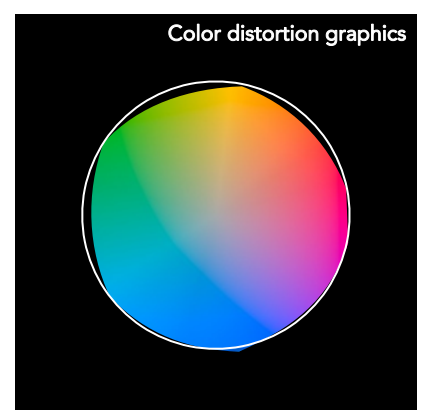
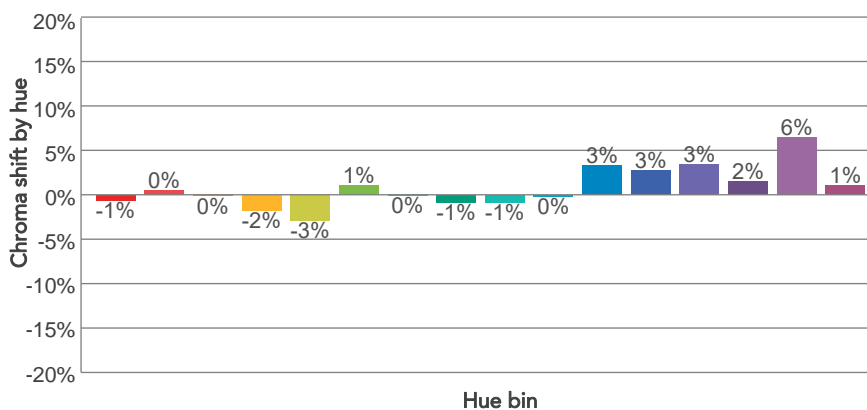
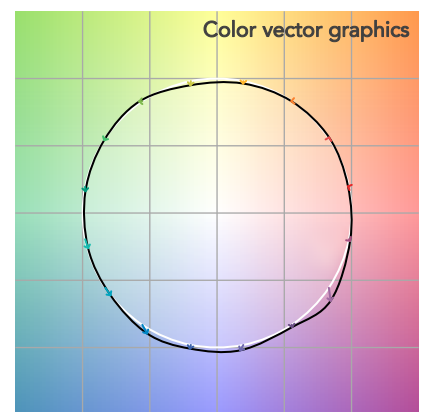
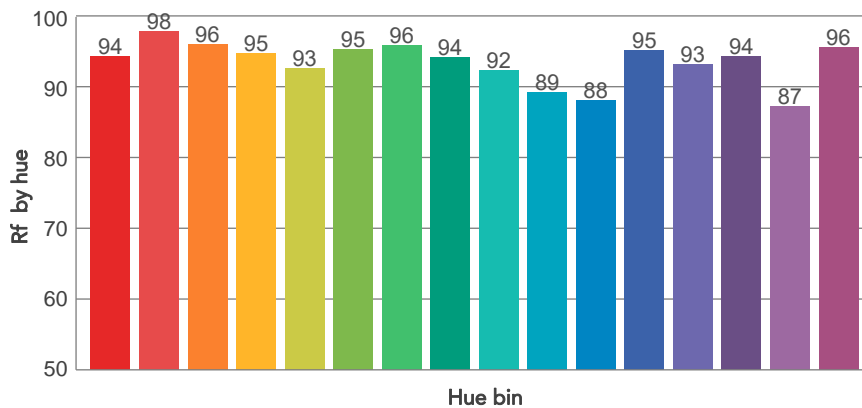
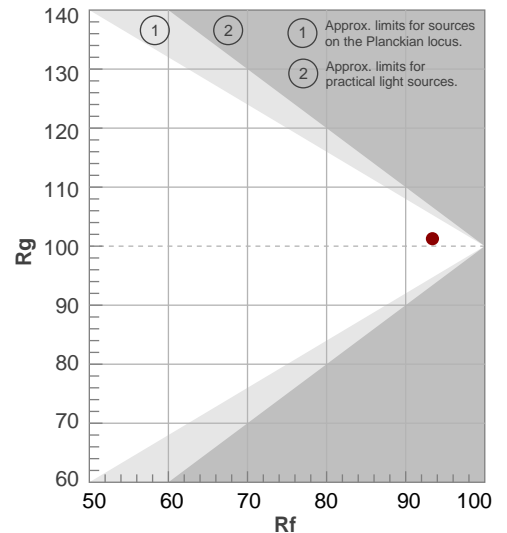
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5620 K	97,3	94,9	93,4	101,3	95,6	96	0,330	0,339	0,0019

TM30 DETAILS

Rf 93,4
Fidelity index Rf

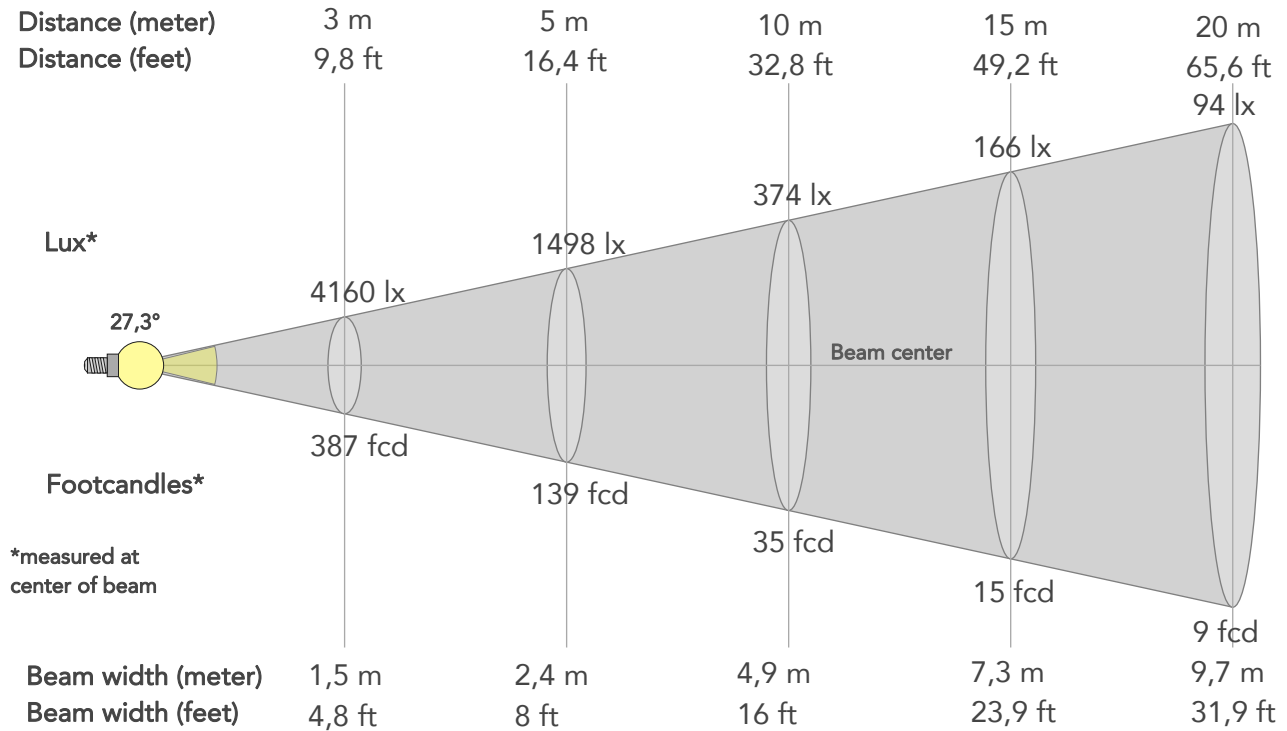
Rg 101,3
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-1%	0%
2	98	0%	0%
3	96	0%	0%
4	95	-2%	0%
5	93	-3%	1%
6	95	1%	2%
7	96	0%	2%
8	94	-1%	3%
9	92	-1%	7%
10	89	0%	7%
11	88	3%	6%
12	95	3%	0%
13	93	3%	-3%
14	94	2%	-1%
15	87	6%	-7%
16	96	1%	-1%



BEAM DETAILS

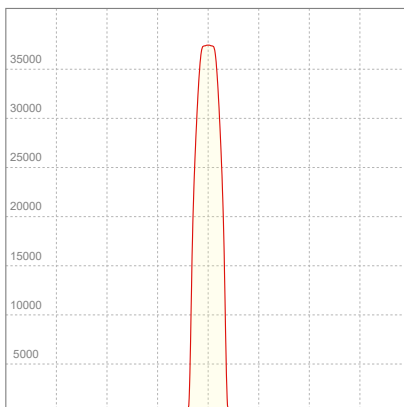
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27,3°	32,8°	35°	99,9%	99,6%



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	37442lx	9361lx	4160lx	2340lx	1498lx	666lx	374lx	166lx	94lx	60lx	42lx	23lx	15lx
Footcand.	3479fcd	870fcd	387fcd	217fcd	139fcd	62fcd	35fcd	15fcd	9fcd	6fcd	4fcd	2fcd	1fcd
Beam wid.	0,5m	1m	1,5m	1,9m	2,4m	3,6m	4,9m	7,3m	9,7m	12,2m	14,6m	19,5m	24,3m
Beam wid.	1,6ft	3,2ft	4,8ft	6,4ft	8ft	12ft	16ft	23,9ft	31,9ft	39,9ft	47,9ft	63,8ft	79,8ft

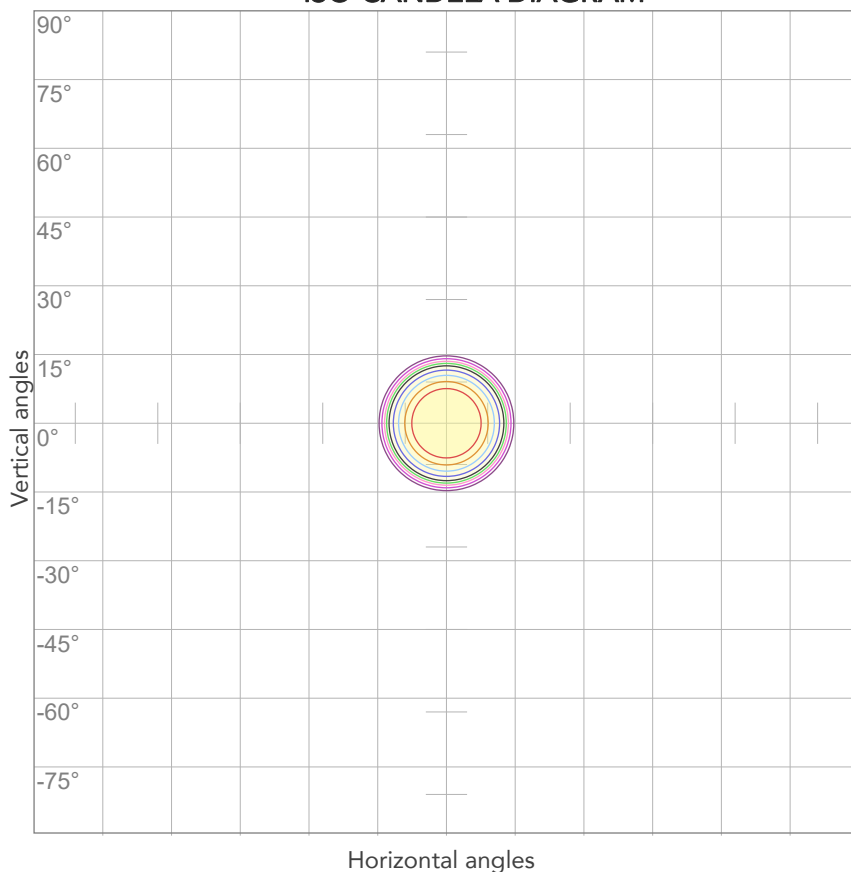
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,05A	225,2W	29lm/W

ISO CANDELA DIAGRAM



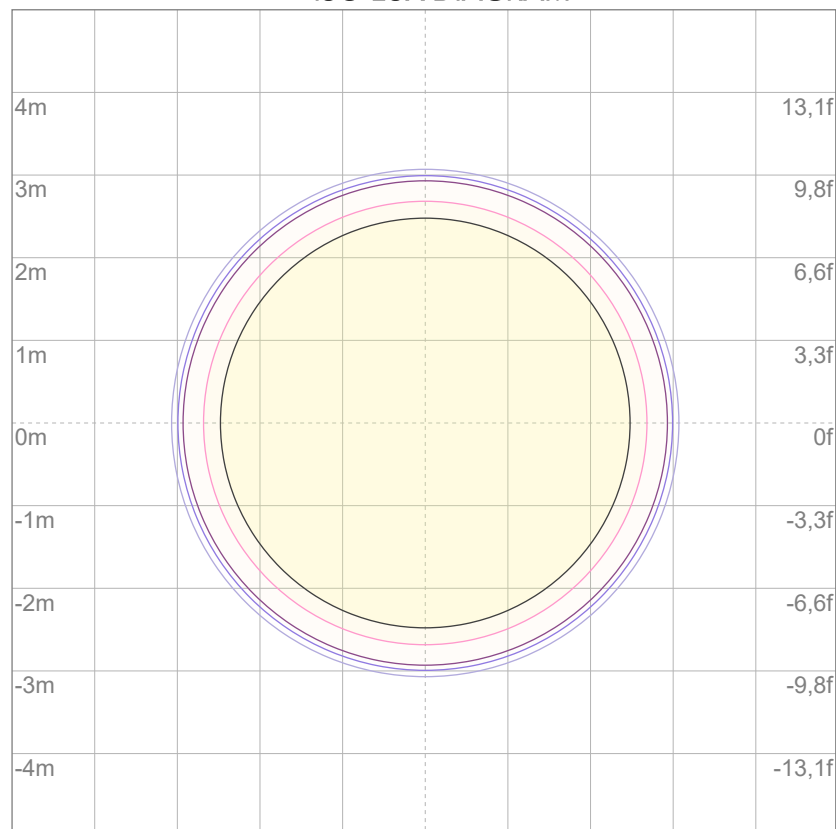
10%	3744 cd
20%	7488 cd
30%	11233 cd
40%	14977 cd
50%	18721 cd
60%	22465 cd
70%	26210 cd
80%	29954 cd

Conditions:

Number of c-planes: 2

Candela at center: 37442 cd

ISO LUX DIAGRAM



3%	11,2 lx
5%	18,7 lx
10%	37,4 lx
30%	112 lx
50%	187 lx

Conditions:

Number of c-planes: 2

Lux at center: 374 lx

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



Total lumen output:

5052 lm

Peak candela output:

85588 cd

Light quality:

CRI: 96,1

Color temperature:

5623 K

PRODUCT NAME:

ECLCTPLUS IP

MEASURAMENT CONDITIONS:

Beam angle:

PRL15-30 Min Zoom

Target:

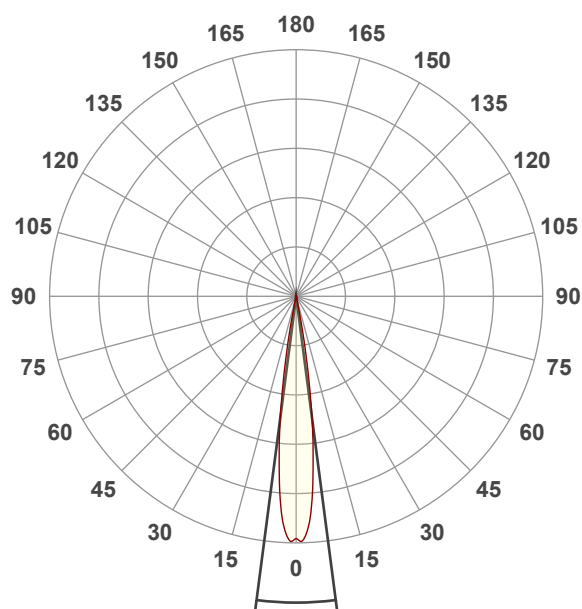
5600K HQ

Operator:

Paolo Carvone

Date and time:

15/07/2020 12:57:20

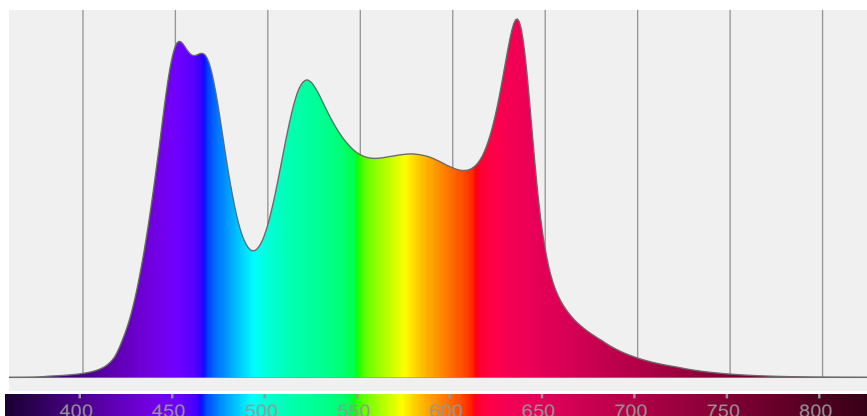


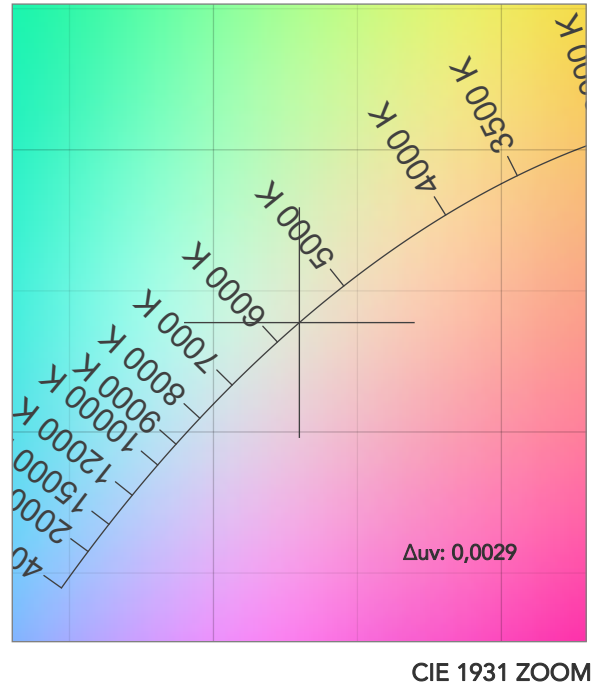
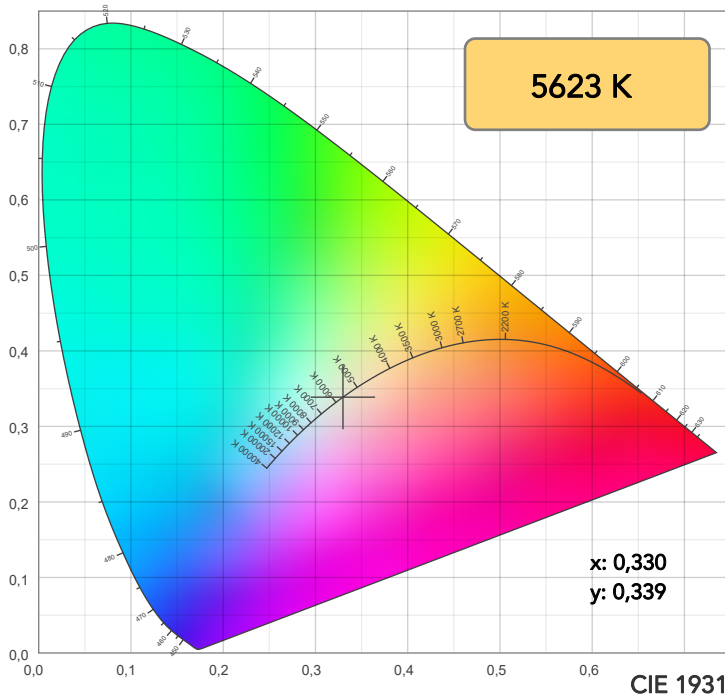
Beam angle 50%: 14,9°

Field angle 10%: 22,1°

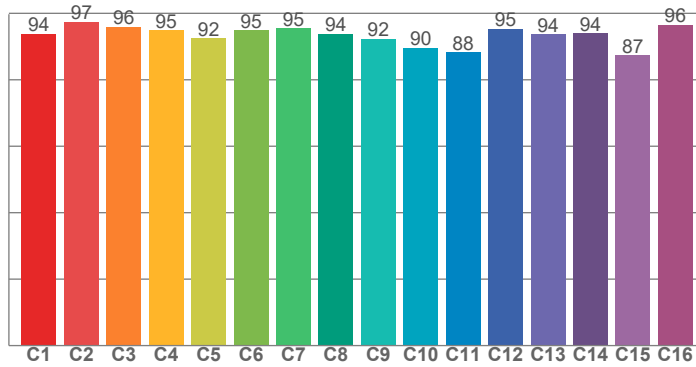
Cut off angle 2.5%: 24,8°

Spectra

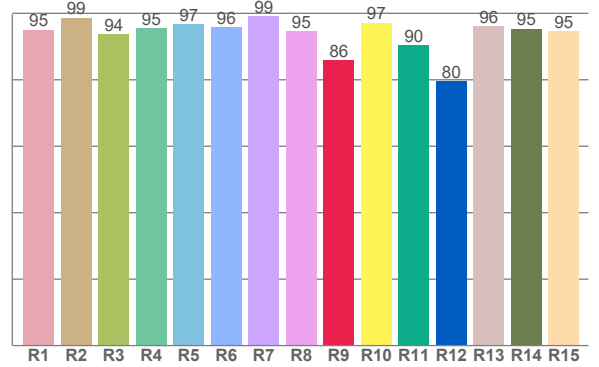




TM30: 93,3



CRI: 96,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,1	98,7	93,8	95,4	96,7	95,8	99,2	94,5	85,8	97,1	90,5	79,6	96,1	95,3	94,7

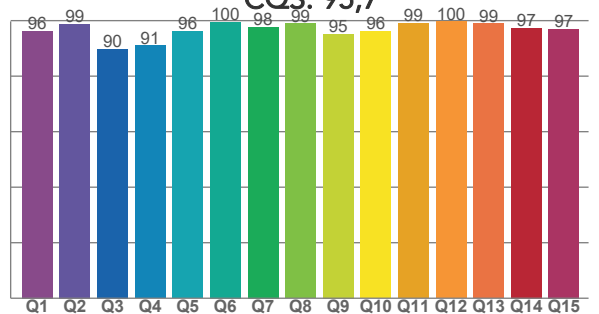
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,7	97,4	96,0	94,9	92,4	94,8	95,5	93,7	92,3	89,6	88,2	95,2	93,7	94,0	87,4	96,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,3	98,7	89,9	91,1	96,1	99,5	97,7	99,0	95,2	96,2	99,0	99,6	98,9	97,3	96,9

CQS: 95,7



COLOR PARAMETERS

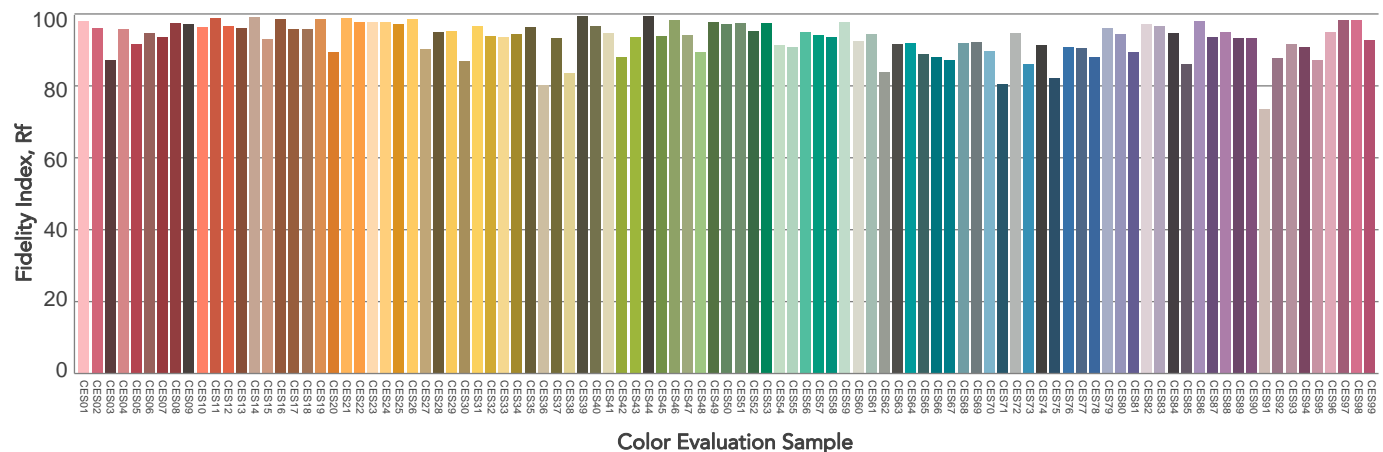
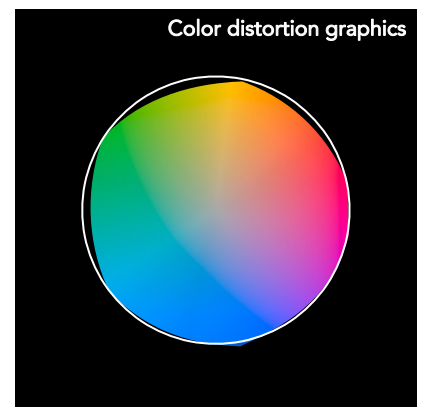
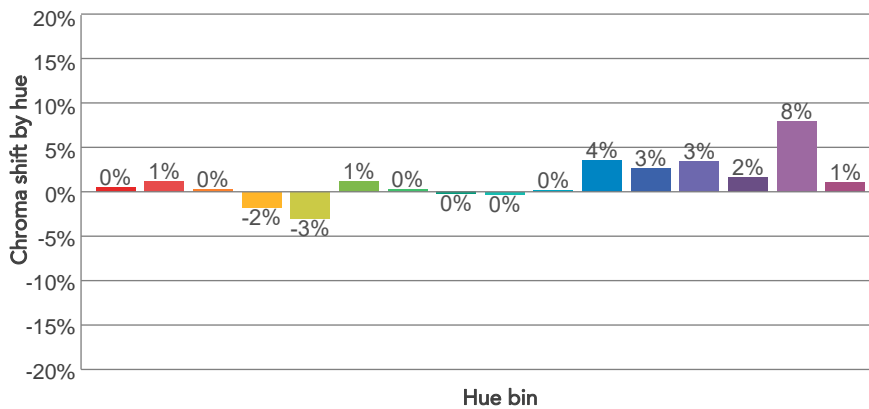
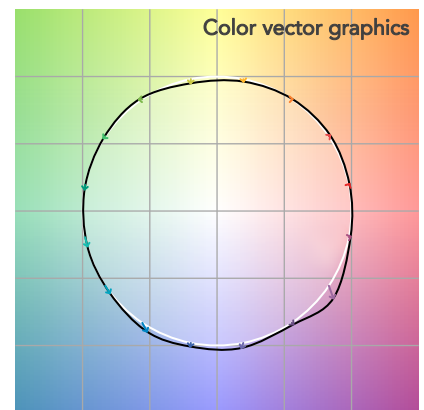
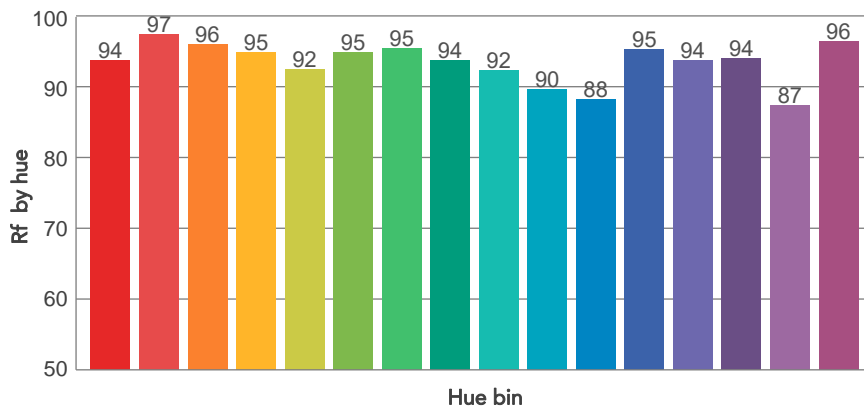
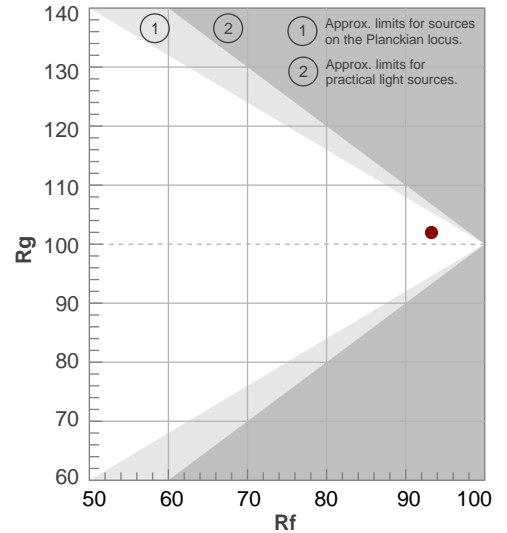
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5623 K	96,1	85,8	93,3	102,0	95,7	96	0,330	0,339	0,0029

TM30 DETAILS

Rf 93,3
Fidelity index Rf

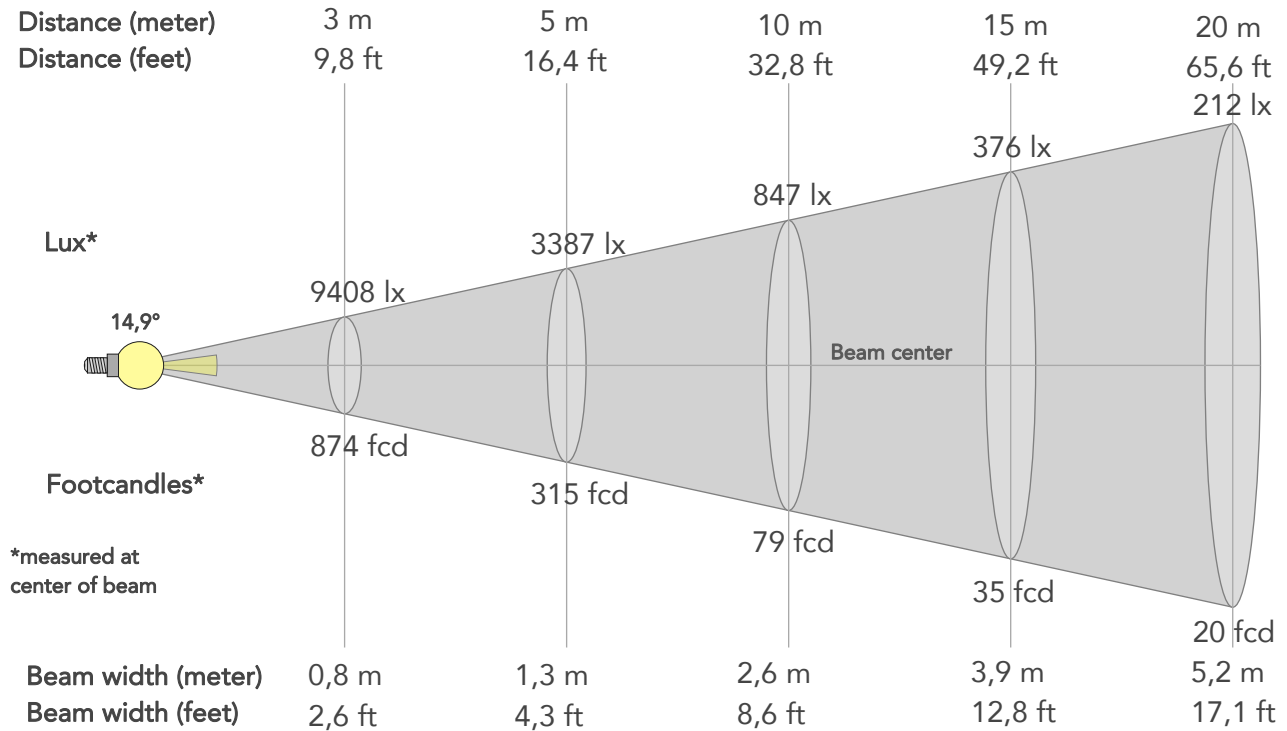
Rg 102,0
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	0%	1%
2	97	1%	0%
3	96	0%	0%
4	95	-2%	-1%
5	92	-3%	1%
6	95	1%	2%
7	95	0%	2%
8	94	0%	3%
9	92	0%	7%
10	90	0%	7%
11	88	4%	6%
12	95	3%	0%
13	94	3%	-2%
14	94	2%	0%
15	87	8%	-6%
16	96	1%	1%



BEAM DETAILS

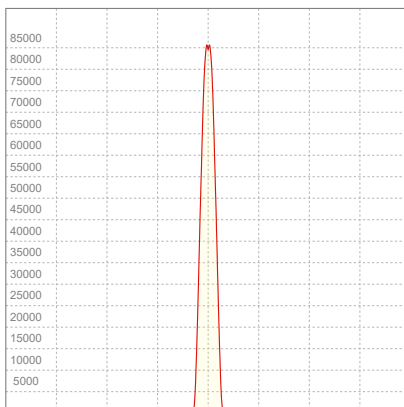
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
14,9°	22,1°	24,8°	100,0%	100,0%



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	84670lx	21168lx	9408lx	5292lx	3387lx	1505lx	847lx	376lx	212lx	135lx	94lx	53lx	34lx
Footcand.	7866fcd	1967fcd	874fcd	492fcd	315fcd	140fcd	79fcd	35fcd	20fcd	13fcd	9fcd	5fcd	3fcd
Beam wid.	0,3m	0,5m	0,8m	1m	1,3m	2m	2,6m	3,9m	5,2m	6,5m	7,8m	10,4m	13m
Beam wid.	0,9ft	1,7ft	2,6ft	3,4ft	4,3ft	6,4ft	8,6ft	12,8ft	17,1ft	21,4ft	25,7ft	34,2ft	42,8ft

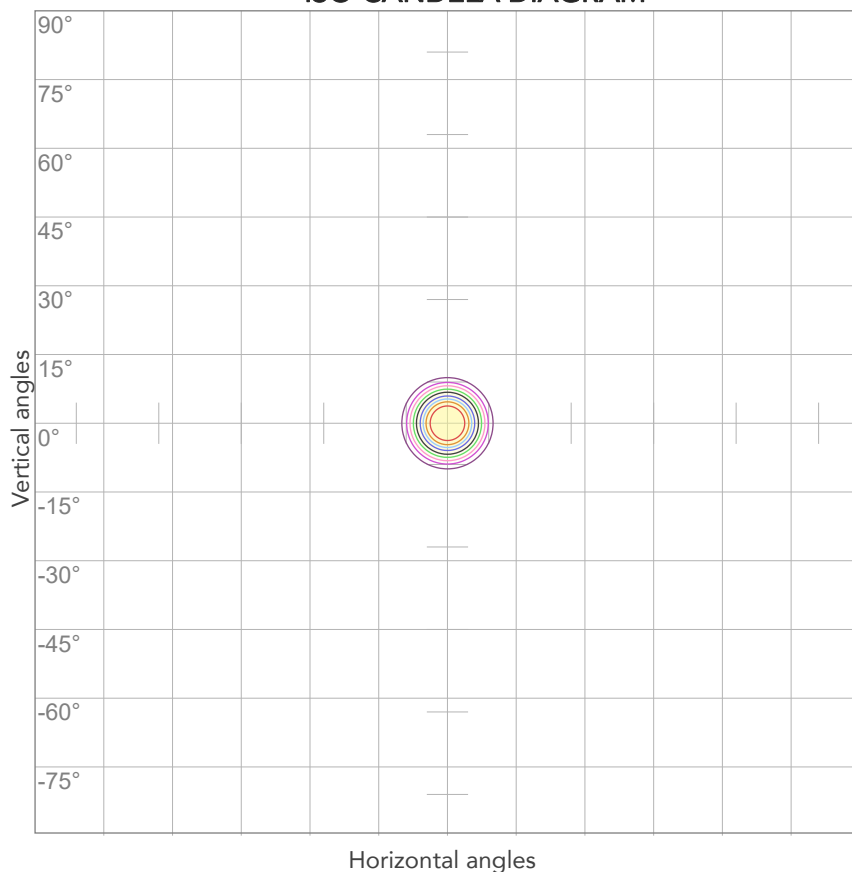
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	1,05A	224,7W	22lm/W

ISO CANDELA DIAGRAM



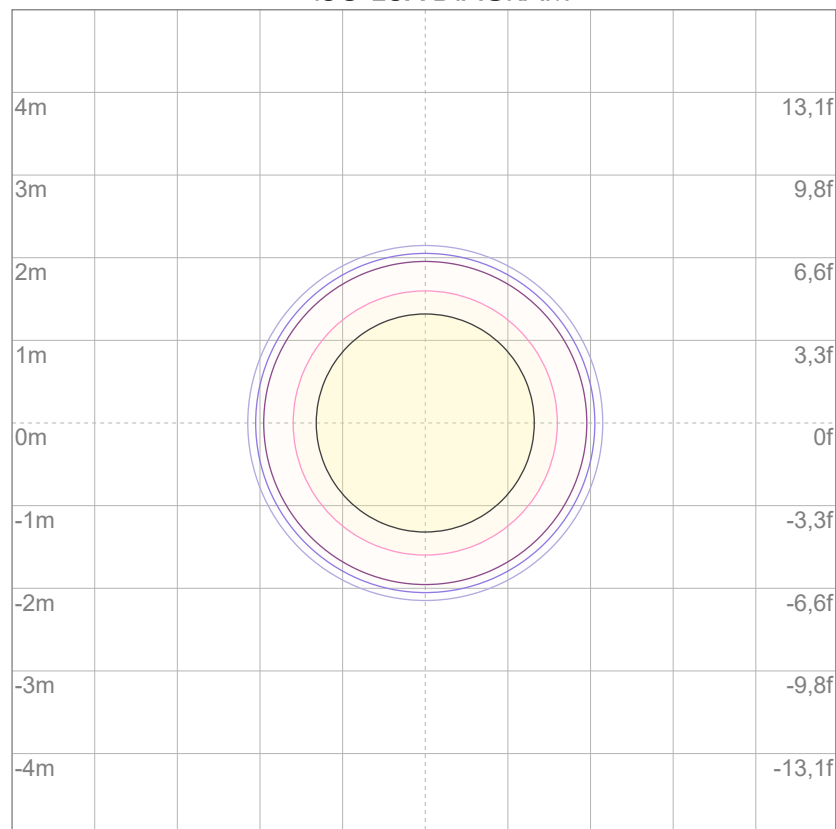
10%	8467 cd
20%	16934 cd
30%	25401 cd
40%	33868 cd
50%	42335 cd
60%	50802 cd
70%	59269 cd
80%	67736 cd

Conditions:

Number of c-planes: 2

Candela at center: 84670 cd

ISO LUX DIAGRAM



3%	25,4 lx
5%	42,3 lx
10%	84,7 lx
30%	254 lx
50%	423 lx

Conditions:

Number of c-planes: 2

Lux at center: 847 lx

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



Total lumen output:

6337 lm

Peak candela output:

42413 cd

Light quality:

CRI: 97,5

Color temperature:

6024 K

PRODUCT NAME:

ECLCTPLUS IP

MEASURAMENT CONDITIONS:

Beam angle:

PRL15-30 Max Zoom

Target:

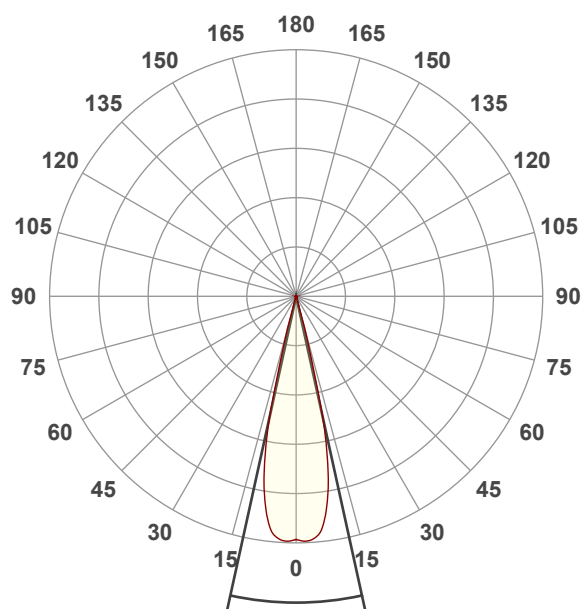
6000K HQ

Operator:

Paolo Carvone

Date and time:

15/07/2020 13:00:55

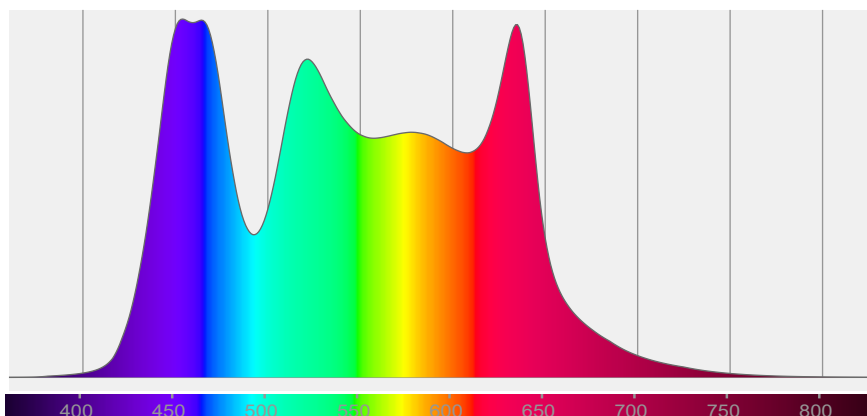


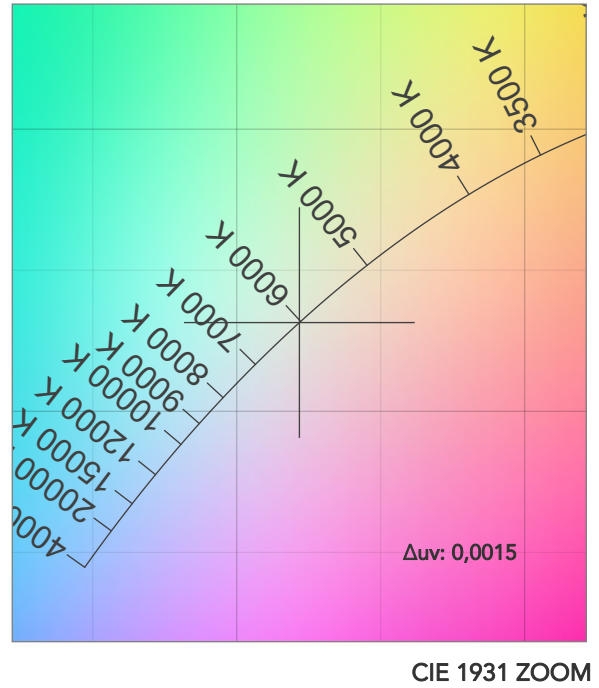
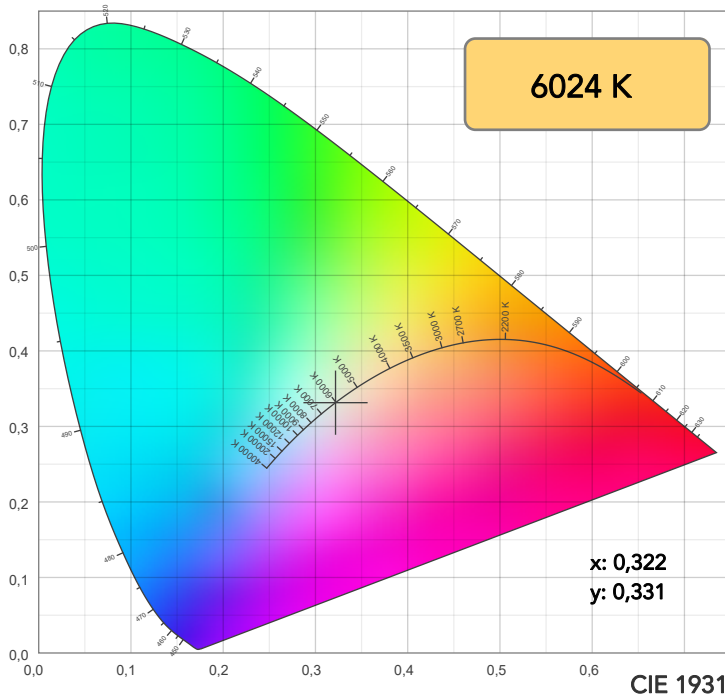
Beam angle 50%: 24,8°

Field angle 10%: 30,8°

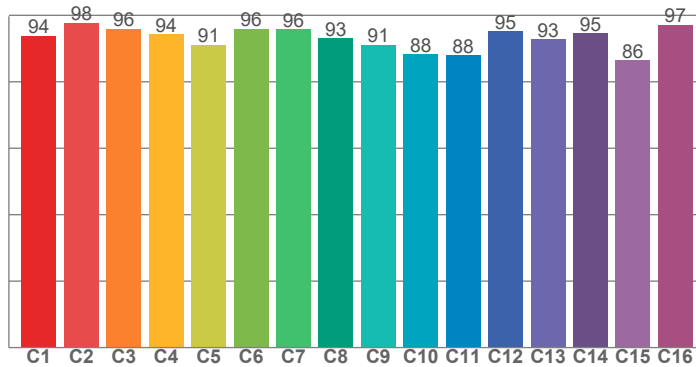
Cut off angle 2.5%: 32,5°

Spectra

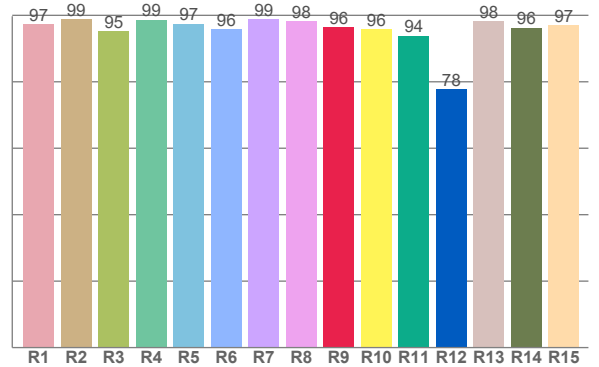




TM30: 93,0



CRI: 97,5 (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
97,4	98,8	95,1	98,6	97,4	95,9	98,8	98,2	96,5	95,8	93,9	77,8	98,1	96,3	96,9

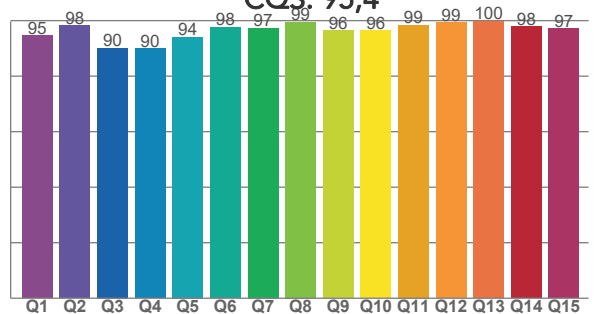
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,7	97,7	95,9	94,3	91,2	95,9	95,8	93,1	91,1	88,2	87,9	95,1	92,8	94,6	86,5	97,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,7	98,2	90,1	89,9	94,2	97,6	97,4	99,5	96,4	96,4	98,5	99,3	99,8	97,9	97,2

CQS: 95,4



COLOR PARAMETERS

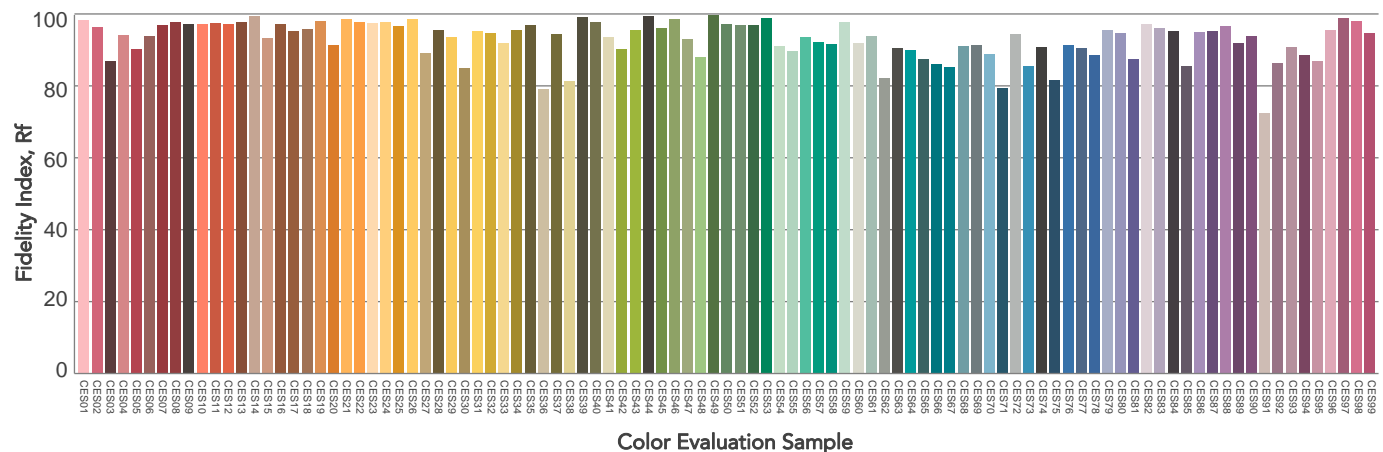
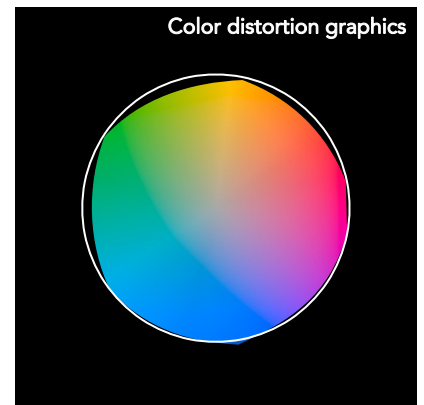
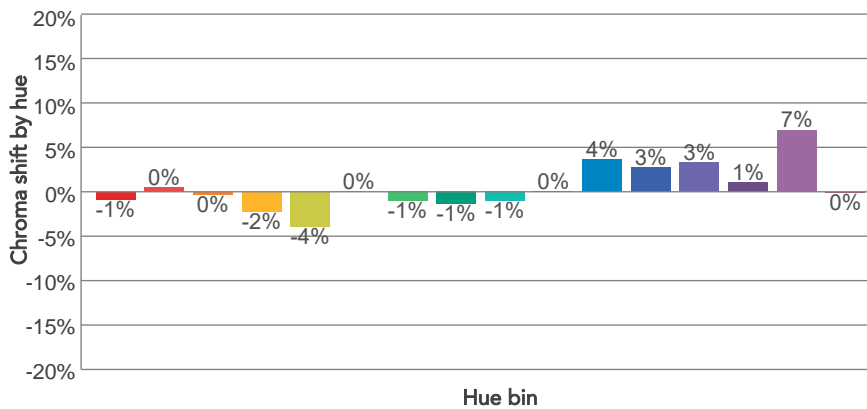
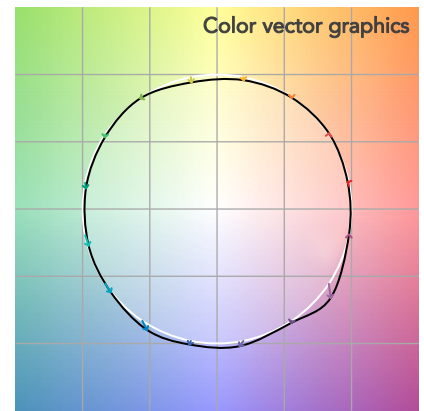
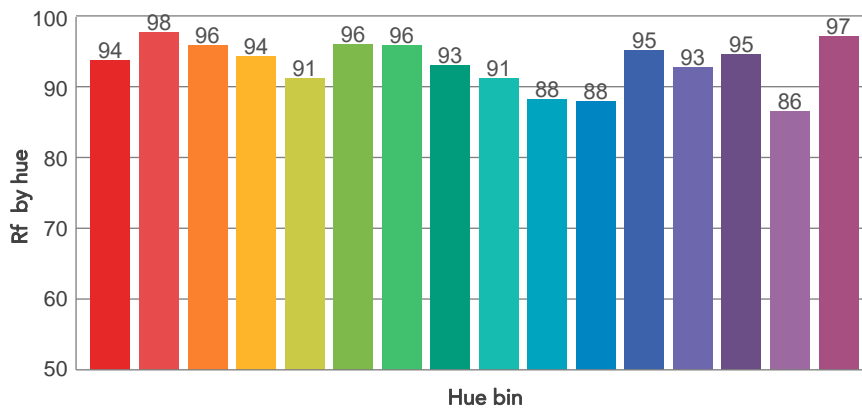
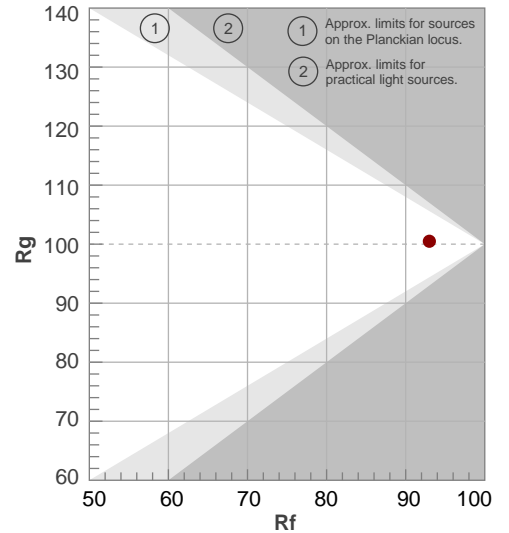
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6024 K	97,5	96,5	93,0	100,5	95,4	96	0,322	0,331	0,0015

TM30 DETAILS

Rf 93,0
Fidelity index Rf

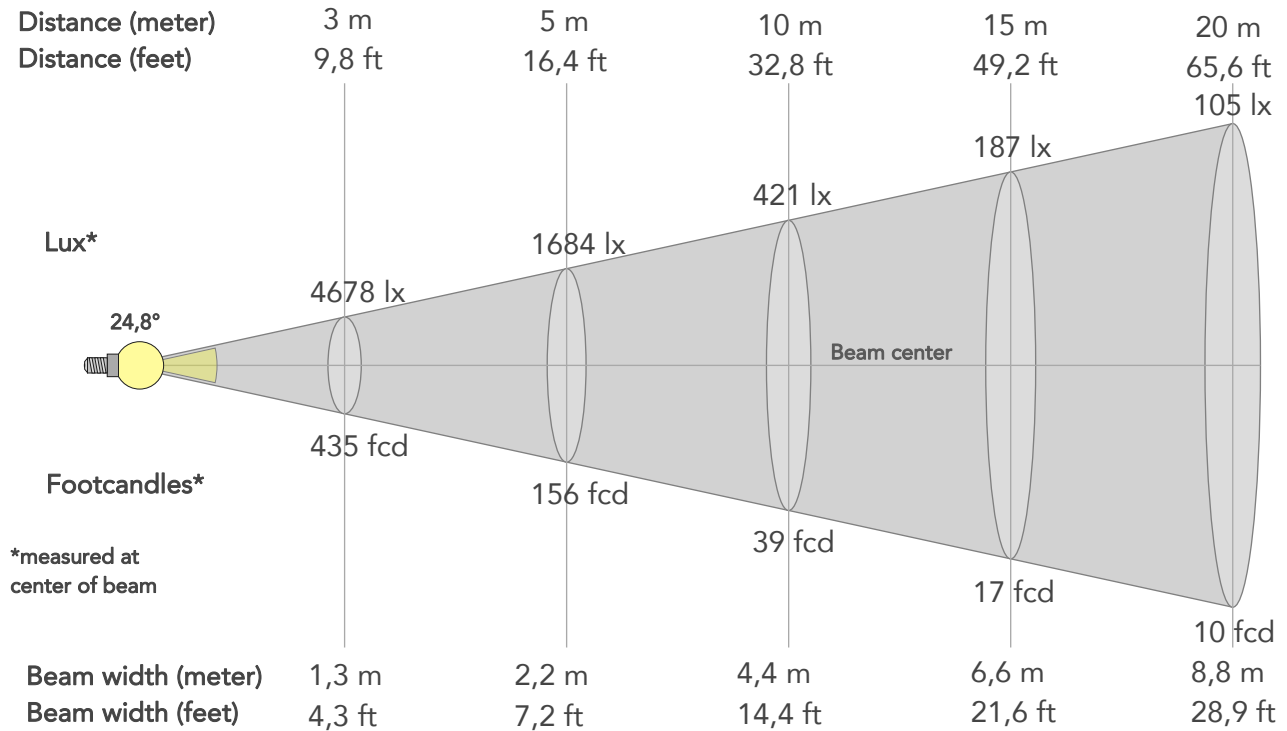
Rg 100,5
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-1%	1%
2	98	0%	0%
3	96	0%	0%
4	94	-2%	-1%
5	91	-4%	0%
6	96	0%	2%
7	96	-1%	2%
8	93	-1%	4%
9	91	-1%	8%
10	88	0%	8%
11	88	4%	7%
12	95	3%	-1%
13	93	3%	-3%
14	95	1%	-1%
15	86	7%	-8%
16	97	0%	0%



BEAM DETAILS

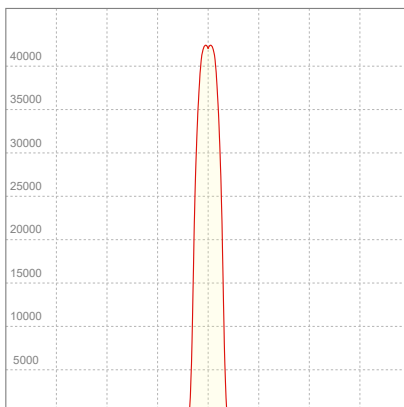
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24,8°	30,8°	32,5°	99,2%	98,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	42103lx	10526lx	4678lx	2631lx	1684lx	748lx	421lx	187lx	105lx	67lx	47lx	26lx	17lx
Footcand.	3911fcd	978fcd	435fcd	244fcd	156fcd	70fcd	39fcd	17fcd	10fcd	6fcd	4fcd	2fcd	2fcd
Beam wid.	0,4m	0,9m	1,3m	1,8m	2,2m	3,3m	4,4m	6,6m	8,8m	11m	13,2m	17,6m	22m
Beam wid.	1,5ft	2,9ft	4,3ft	5,8ft	7,2ft	10,8ft	14,4ft	21,6ft	28,9ft	36,1ft	43,3ft	57,7ft	72,1ft

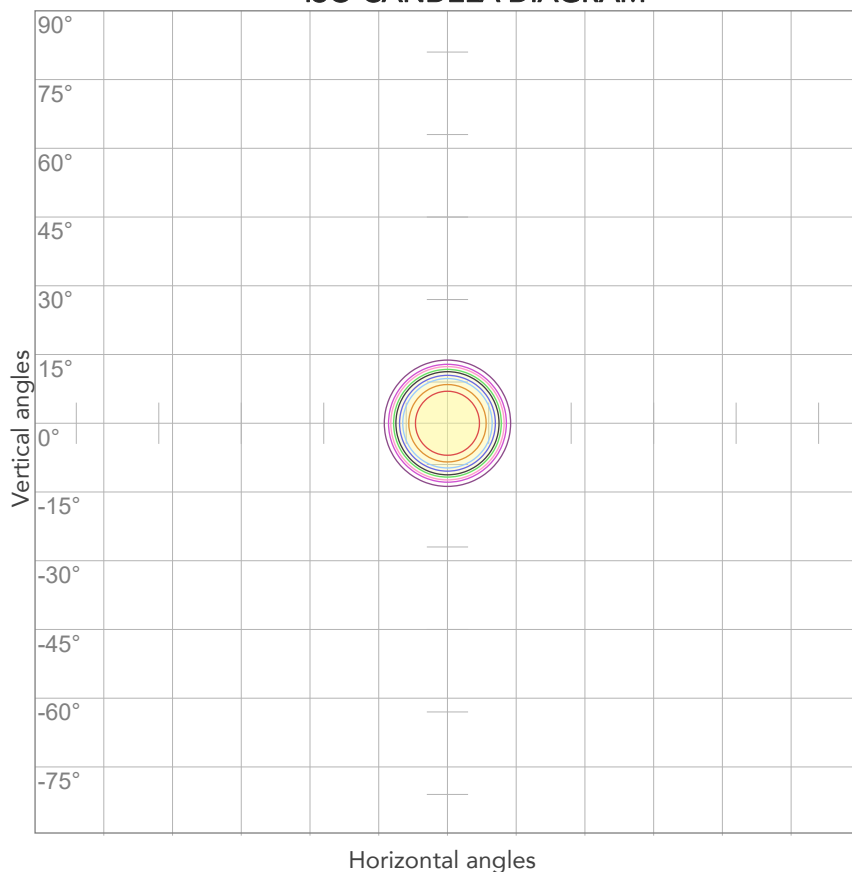
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,07A	229,5W	28lm/W

ISO CANDELA DIAGRAM



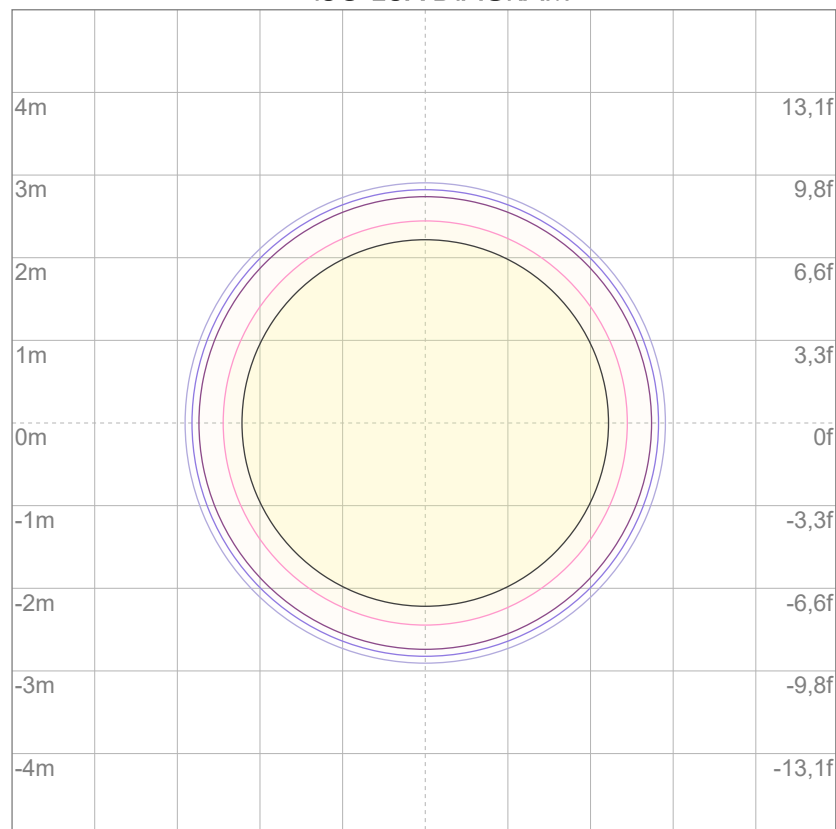
10%	4210 cd
20%	8421 cd
30%	12631 cd
40%	16841 cd
50%	21051 cd
60%	25262 cd
70%	29472 cd
80%	33682 cd

Conditions:

Number of c-planes: 2

Candela at center: 42103 cd

ISO LUX DIAGRAM



3%	12,6 lx
5%	21,1 lx
10%	42,1 lx
30%	126 lx
50%	211 lx

Conditions:

Number of c-planes: 2

Lux at center: 421 lx

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



Total lumen output:

5140 lm

Peak candela output:

86174 cd

Light quality:

CRI: 96,1

Color temperature:

6032 K

PRODUCT NAME:

ECLCTPLUS IP

MEASURAMENT CONDITIONS:

Beam angle:

PRL15-30 Min Zoom

Target:

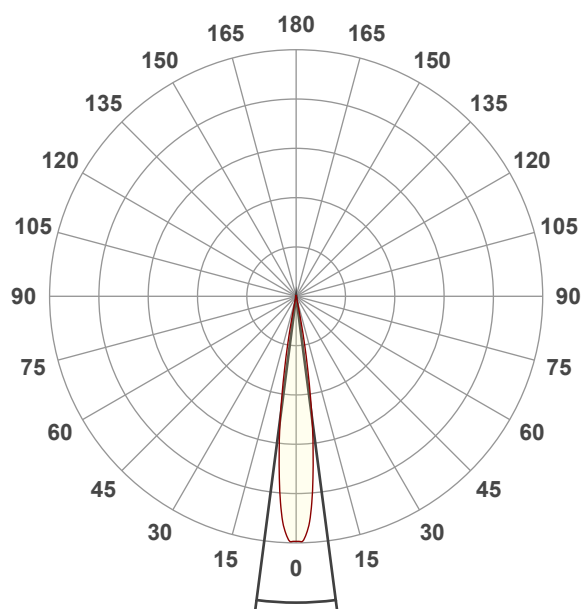
6000K HQ

Operator:

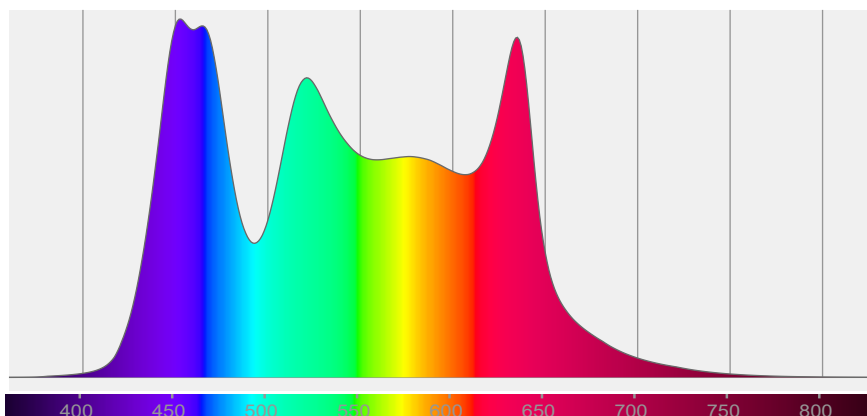
Paolo Carvone

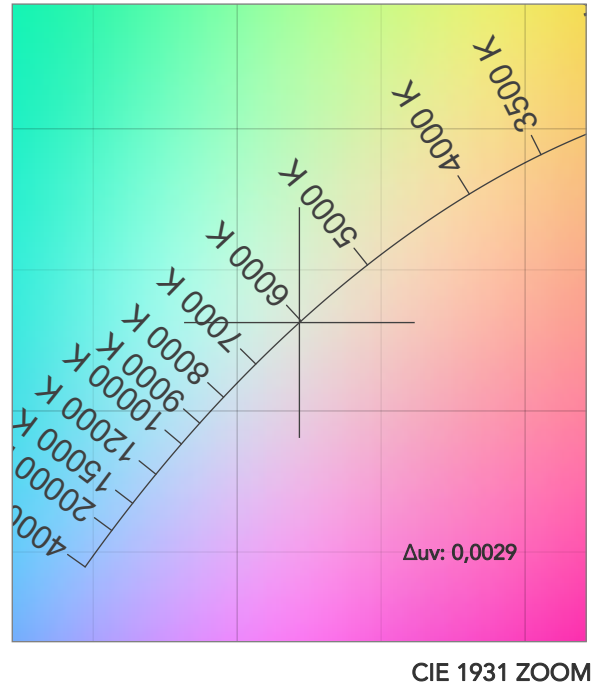
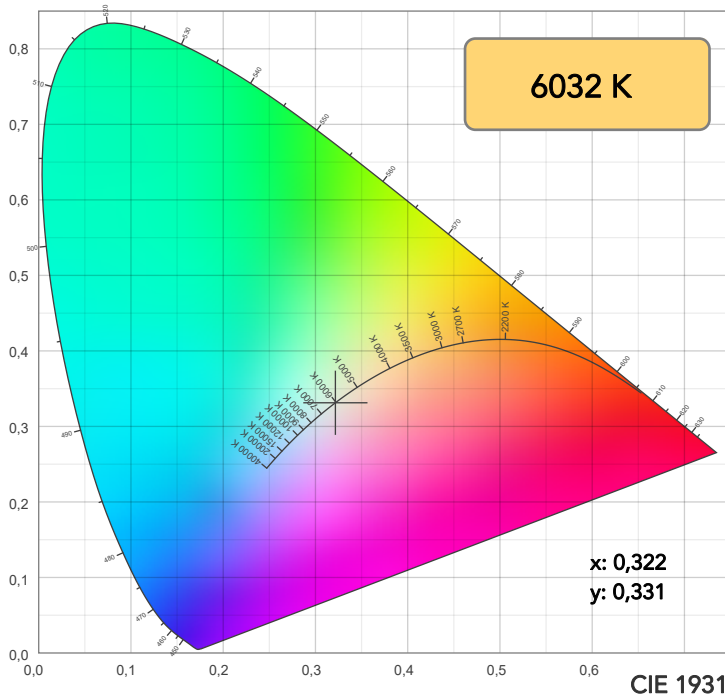
Date and time:

15/07/2020 12:58:42

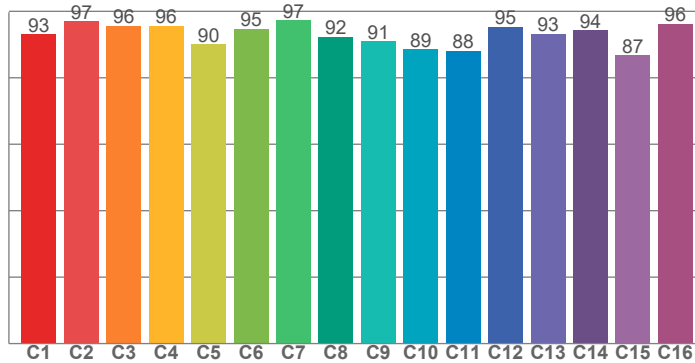


Spectra

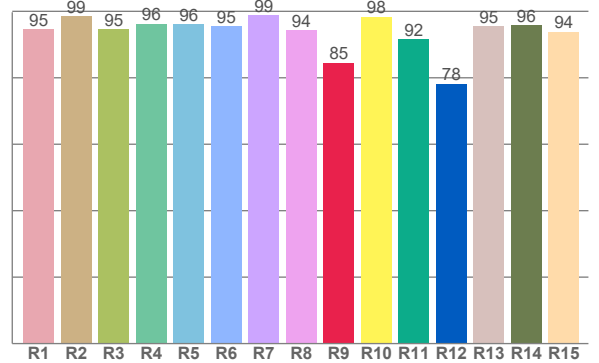




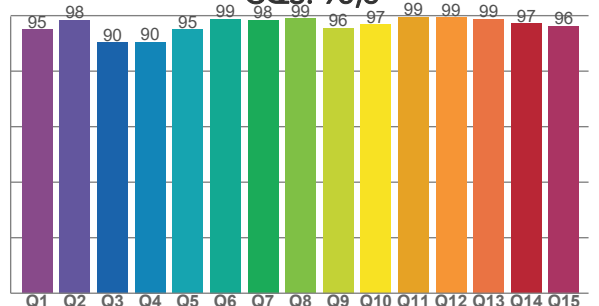
TM30: 92,8



CRI: 96,1 (R1-R8)



CQS: 95,6



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
94,6	98,5	94,7	96,2	96,1	95,5	98,8	94,4	84,5	98,3	91,5	78,2	95,5	95,8	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
93,0	96,9	95,6	95,6	90,1	94,8	97,2	92,4	91,0	88,6	88,0	95,3	93,2	94,3	86,7	96,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,0	98,4	90,3	90,5	95,0	98,8	98,5	99,0	95,6	96,8	99,4	99,4	98,8	97,1	96,2

COLOR PARAMETERS

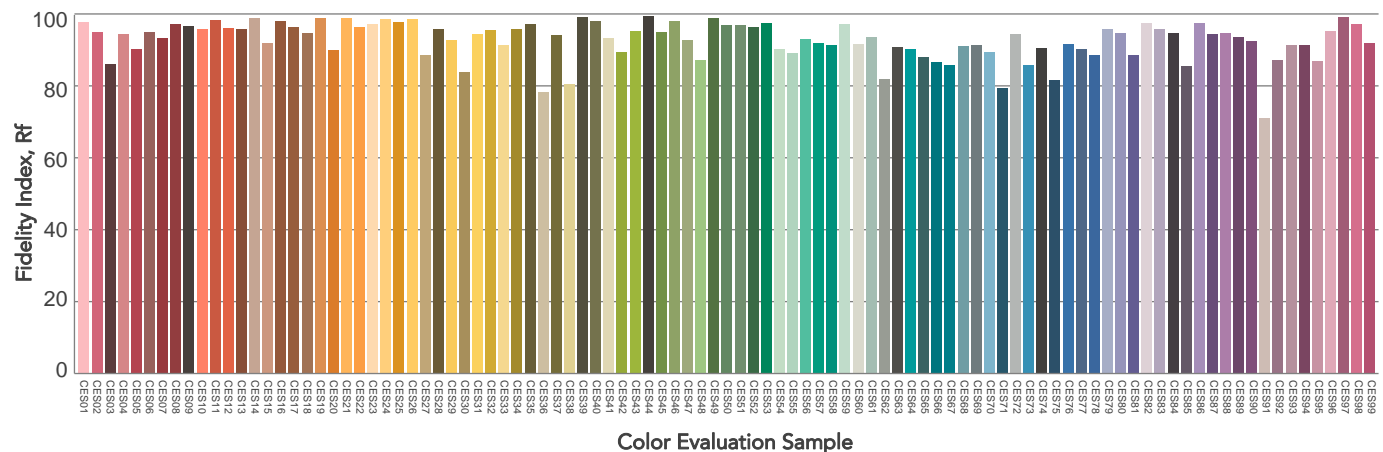
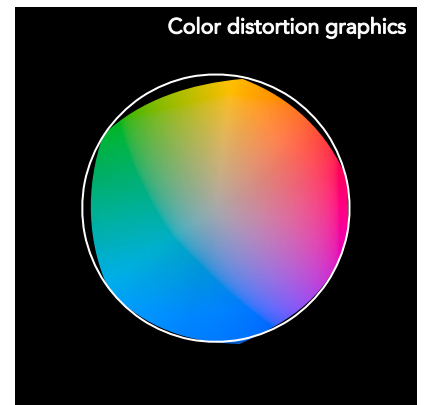
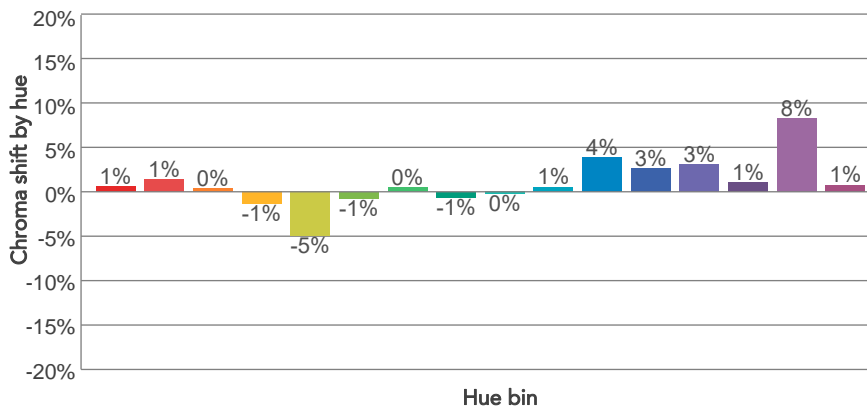
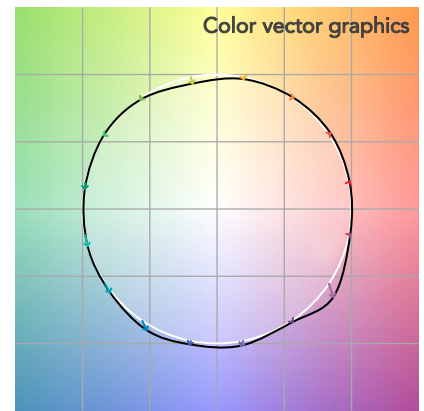
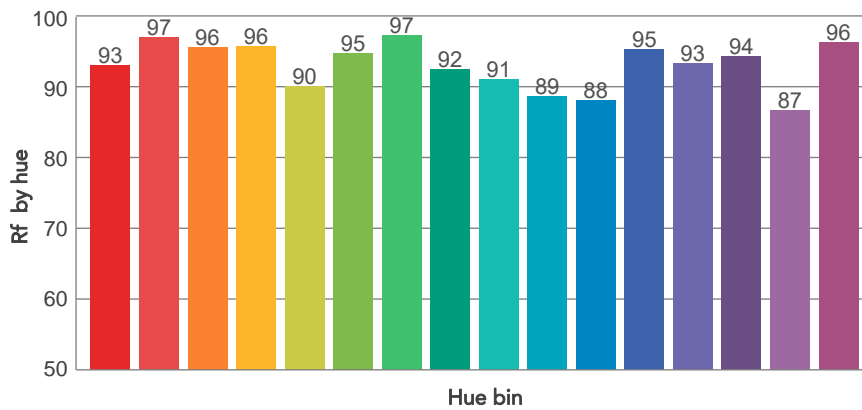
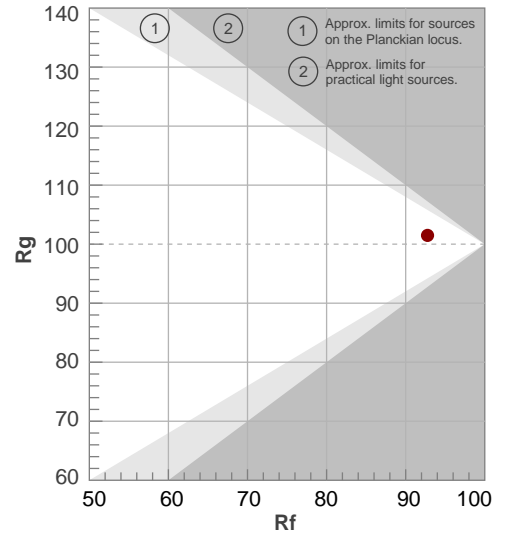
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6032 K	96,1	84,5	92,8	101,5	95,6	96	0,322	0,331	0,0029

TM30 DETAILS

Rf 92,8
Fidelity index Rf

Rg 101,5
Gammut index

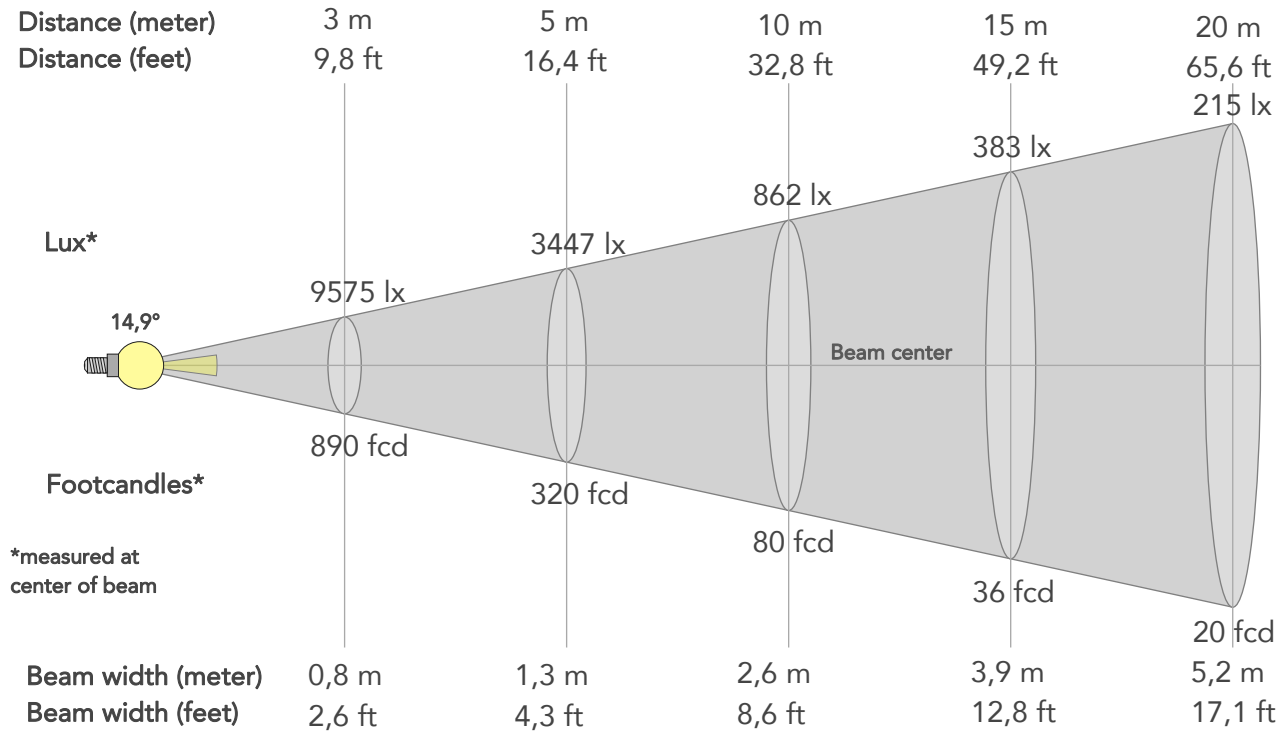
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	1%	1%
2	97	1%	0%
3	96	0%	-1%
4	96	-1%	-1%
5	90	-5%	0%
6	95	-1%	2%
7	97	0%	1%
8	92	-1%	4%
9	91	0%	8%
10	89	1%	7%
11	88	4%	6%
12	95	3%	-1%
13	93	3%	-2%
14	94	1%	0%
15	87	8%	-6%
16	96	1%	1%



BEAM DETAILS



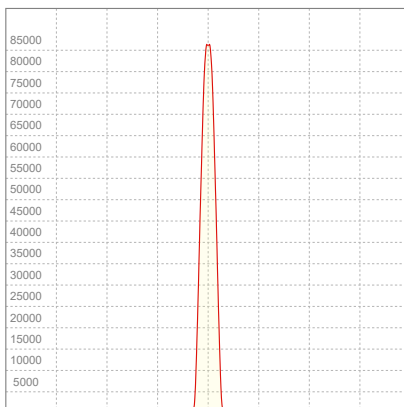
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
14,9°	22°	24,7°	99,4%	99,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	86174lx	21544lx	9575lx	5386lx	3447lx	1532lx	862lx	383lx	215lx	138lx	96lx	54lx	34lx
Footcand.	8006fcd	2001fcd	890fcd	500fcd	320fcd	142fcd	80fcd	36fcd	20fcd	13fcd	9fcd	5fcd	3fcd
Beam wid.	0,3m	0,5m	0,8m	1m	1,3m	2m	2,6m	3,9m	5,2m	6,5m	7,8m	10,4m	13m
Beam wid.	0,9ft	1,7ft	2,6ft	3,4ft	4,3ft	6,4ft	8,6ft	12,8ft	17,1ft	21,4ft	25,7ft	34,2ft	42,8ft

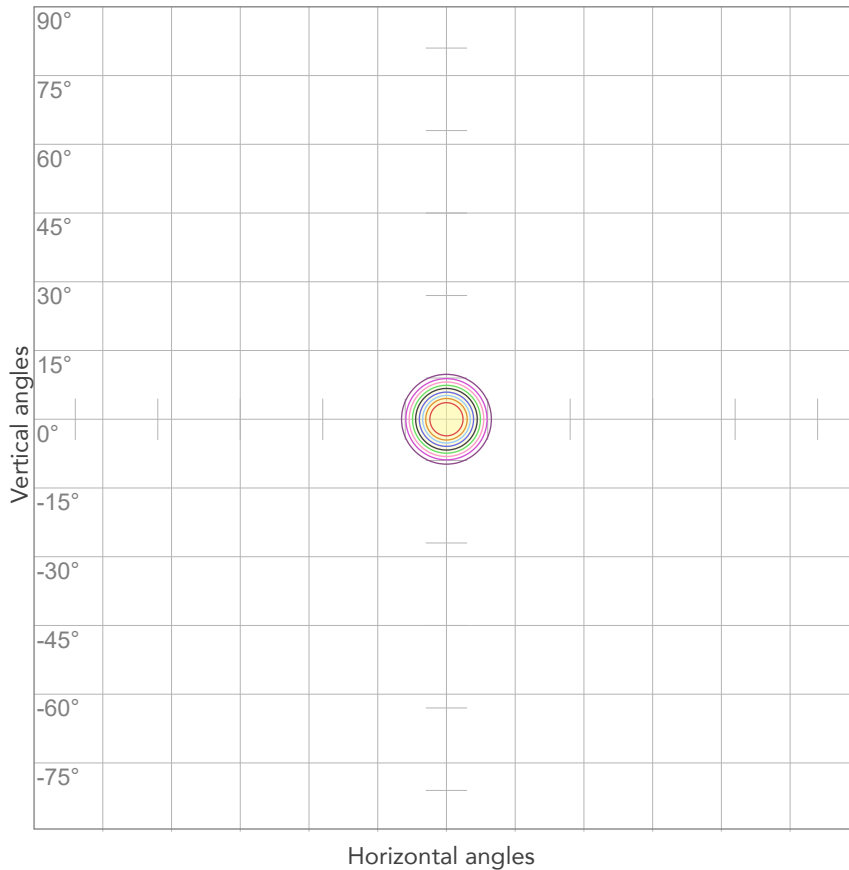
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,07A	228,9W	22lm/W

ISO CANDELA DIAGRAM



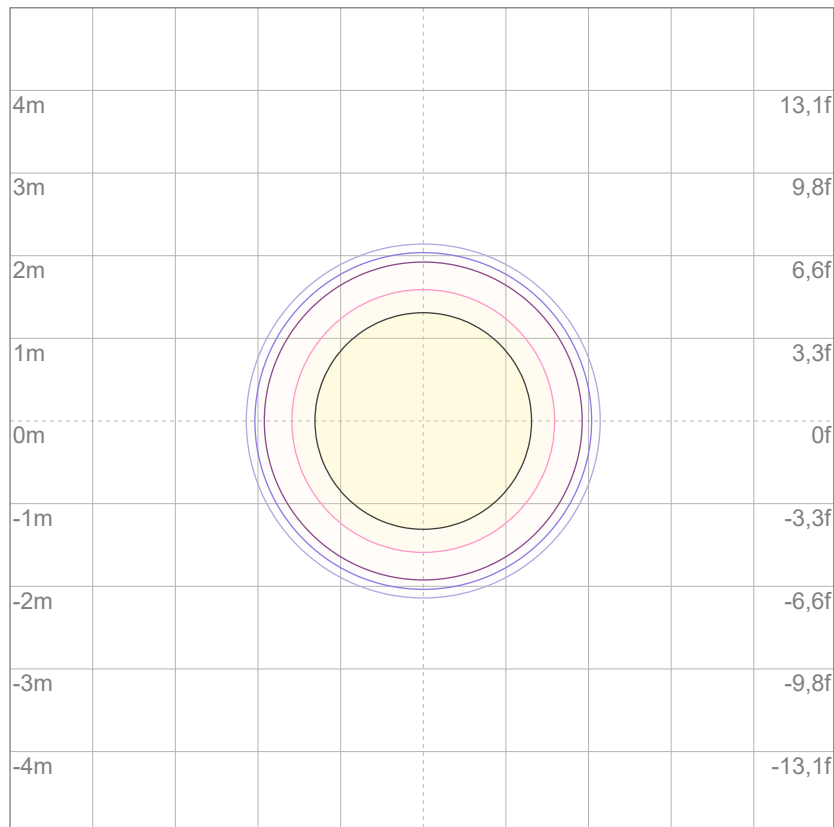
10%	8617 cd
20%	17235 cd
30%	25852 cd
40%	34470 cd
50%	43087 cd
60%	51704 cd
70%	60322 cd
80%	68939 cd

Conditions:

Number of c-planes: 2

Candela at center: 86174 cd

ISO LUX DIAGRAM



3%	25,9 lx
5%	43,1 lx
10%	86,2 lx
30%	259 lx
50%	431 lx

Conditions:

Number of c-planes: 2

Lux at center: 862 lx

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