

Photometric Test Report



ECLCTPLUS PRL25-50

High quality six colours full spectrum
ellipsoidal LED

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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:

9817 lm

Peak candela output:

24510 cd

PRODUCT NAME:
ECLCTPLUS

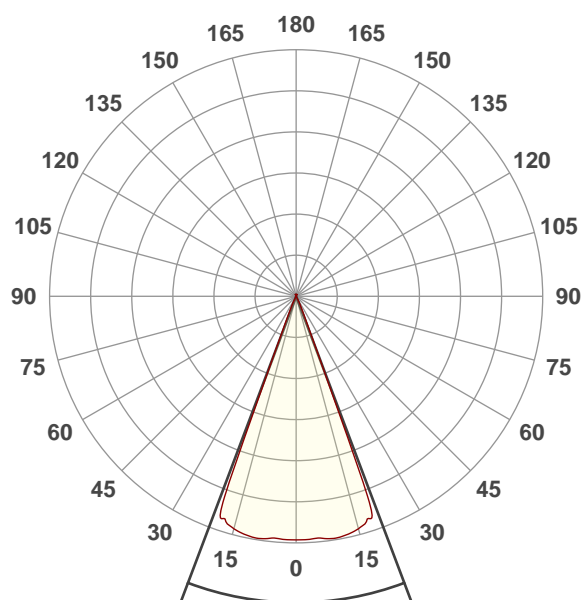
MEASURAMENT CONDITIONS:

Beam angle:
PRL25-50 Max Zoom

Target:
Full On HQ

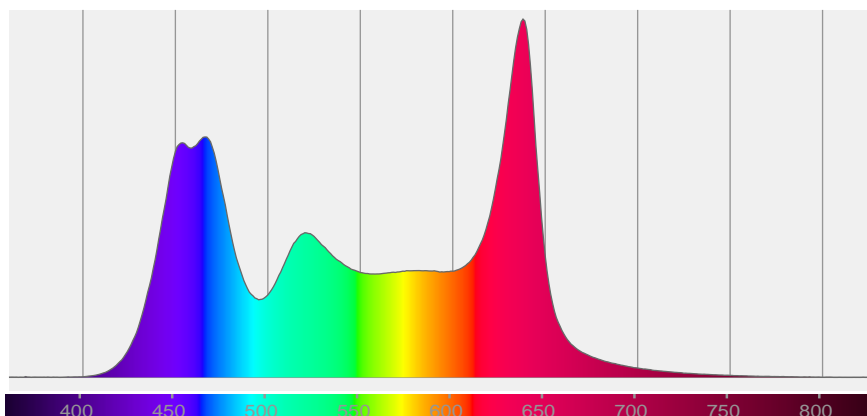
Operator:
Paolo Carvone

Date and time:
15/07/2020 11:17:15



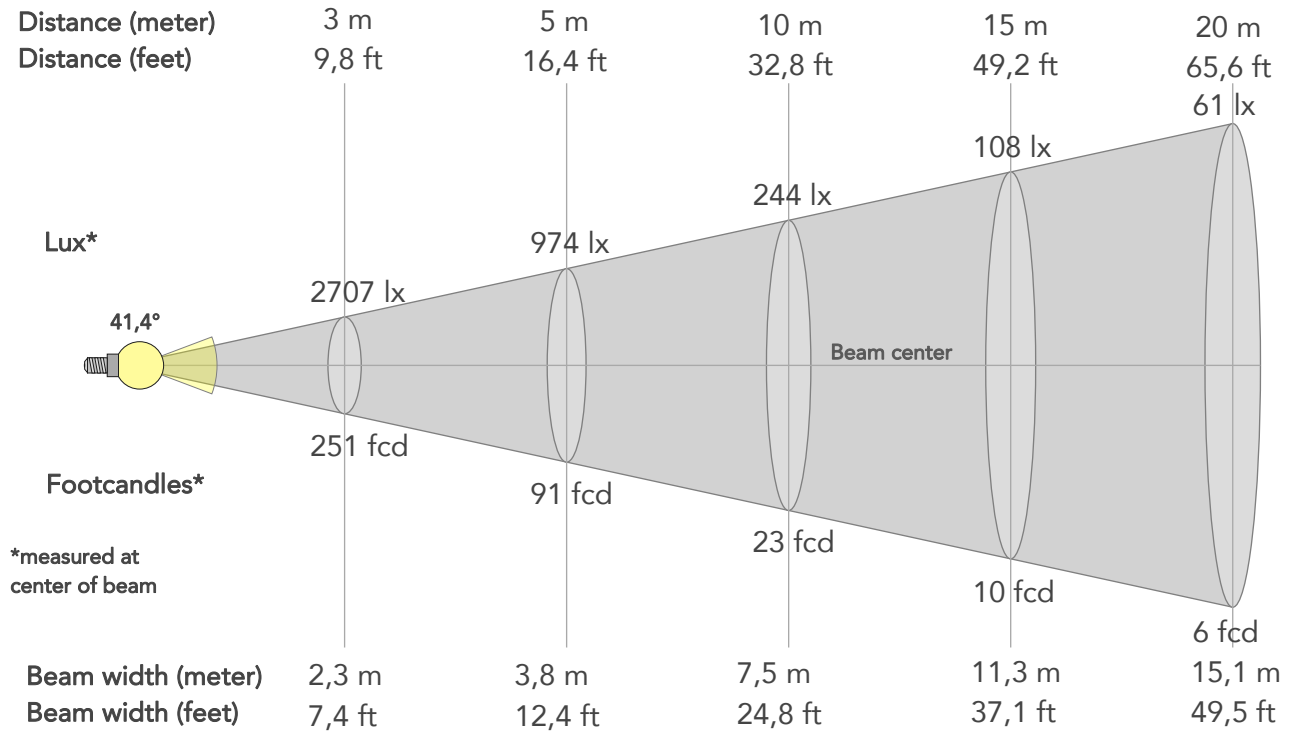
Beam angle 50%: 41,4°
Field angle 10%: 44,4°
Cut off angle 2.5%: 46,8°

Spectra



BEAM DETAILS

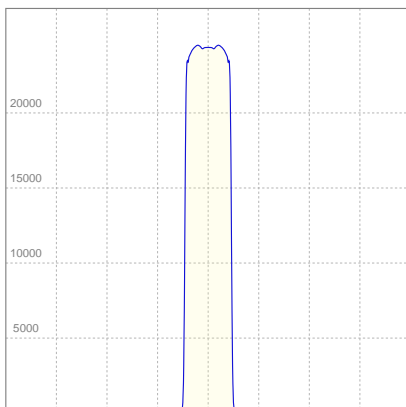
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
41,4°	44,4°	46,8°	100,0%	100,0%



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	24361lx	6090lx	2707lx	1523lx	974lx	433lx	244lx	108lx	61lx	39lx	27lx	15lx	10lx
Footcand.	2263fcd	566fcd	251fcd	141fcd	91fcd	40fcd	23fcd	10fcd	6fcd	4fcd	3fcd	1fcd	1fcd
Beam wid.	0,8m	1,5m	2,3m	3m	3,8m	5,7m	7,5m	11,3m	15,1m	18,9m	22,6m	30,2m	37,7m
Beam wid.	2,5ft	5ft	7,4ft	9,9ft	12,4ft	18,6ft	24,8ft	37,1ft	49,5ft	61,9ft	74,3ft	99ft	123,8ft

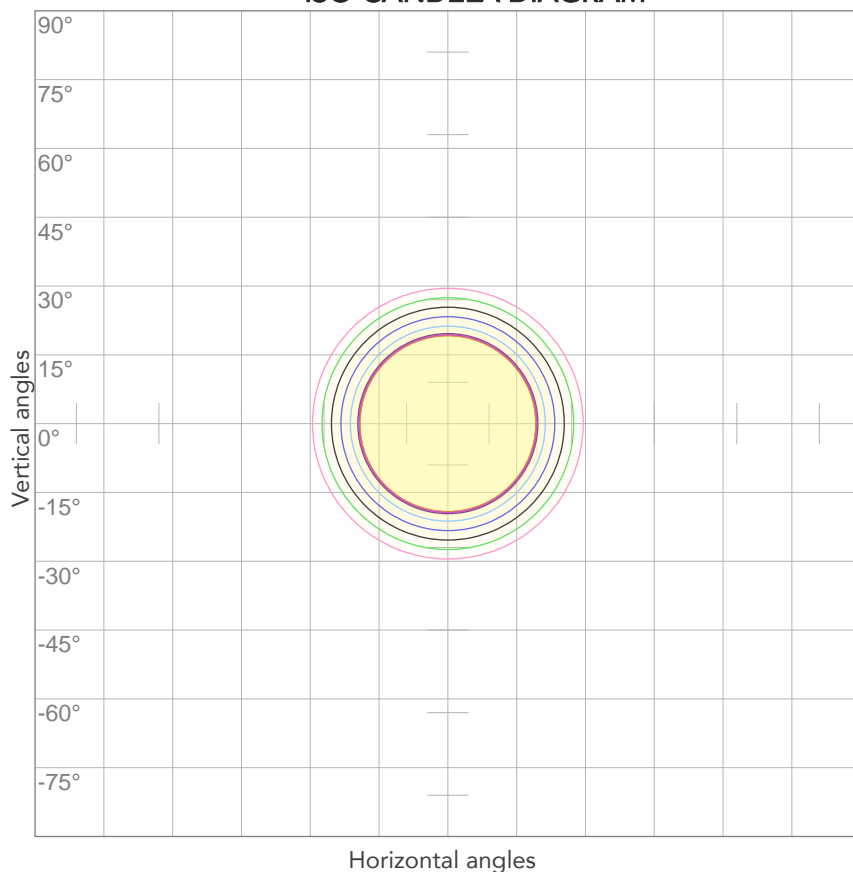
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,22A	264,3W	37lm/W
Power FC			
0,96			

ISO CANDELA DIAGRAM



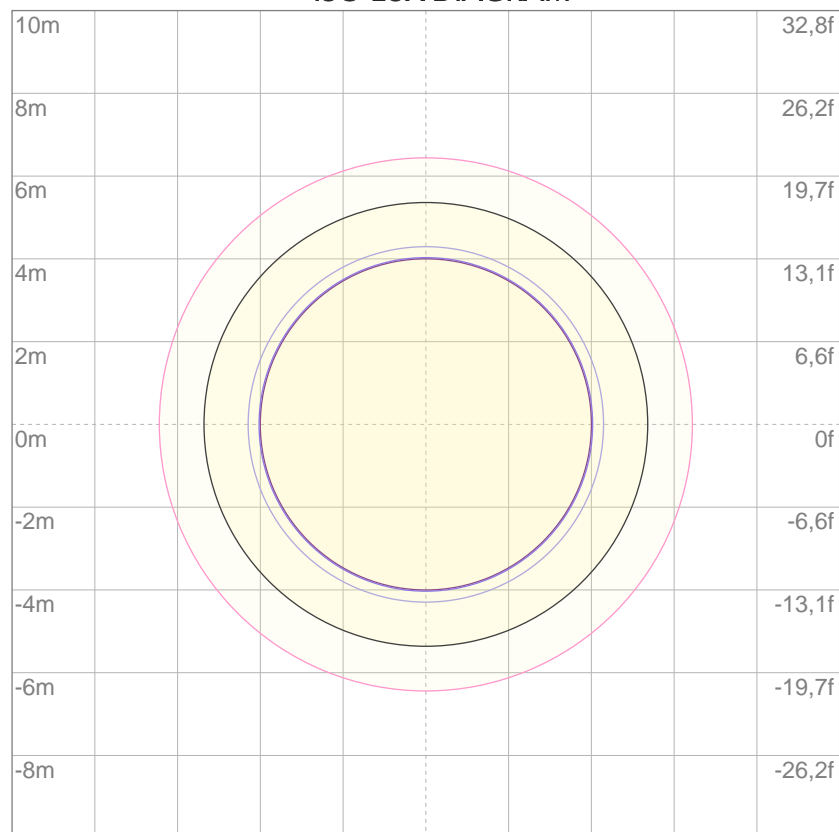
10%	2436 cd
20%	4872 cd
30%	7308 cd
40%	9744 cd
50%	12180 cd
60%	14616 cd
70%	17052 cd
80%	19488 cd

Conditions:

Number of c-planes: 2

Candela at center: 24361 cd

ISO LUX DIAGRAM



3%	7,31 lx
5%	12,2 lx
10%	24,4 lx
30%	73,1 lx
50%	122 lx

Conditions:

Number of c-planes: 2

Lux at center: 244 lx

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



Total lumen output:

7042 lm

Peak candela output:

65211 cd

PRODUCT NAME:
ECLCTPLUS

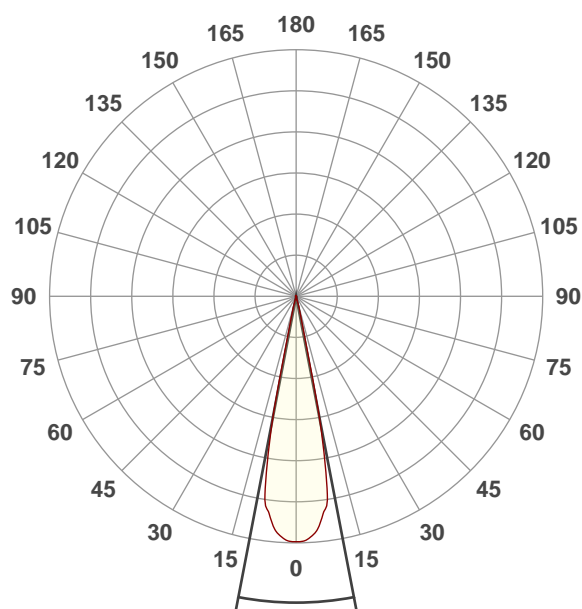
MEASURAMENT CONDITIONS:

Beam angle:
PRL25-50 Min Zoom

Target:
Full On HQ

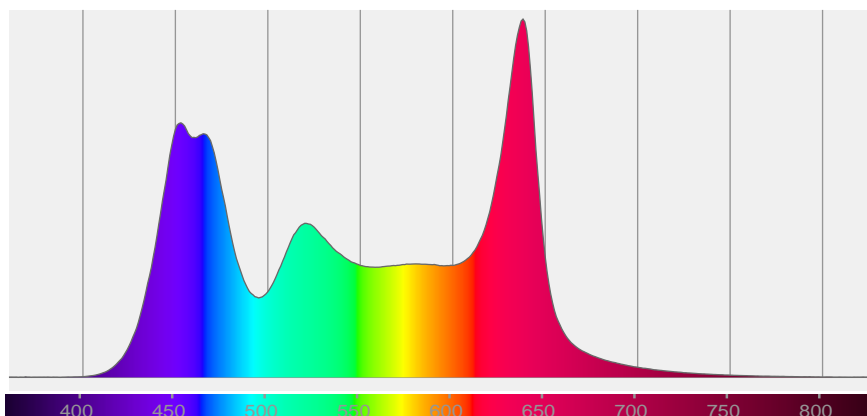
Operator:
Paolo Carvone

Date and time:
15/07/2020 10:28:15



Beam angle 50%: 21,7°
Field angle 10%: 25,3°
Cut off angle 2.5%: 28,2°

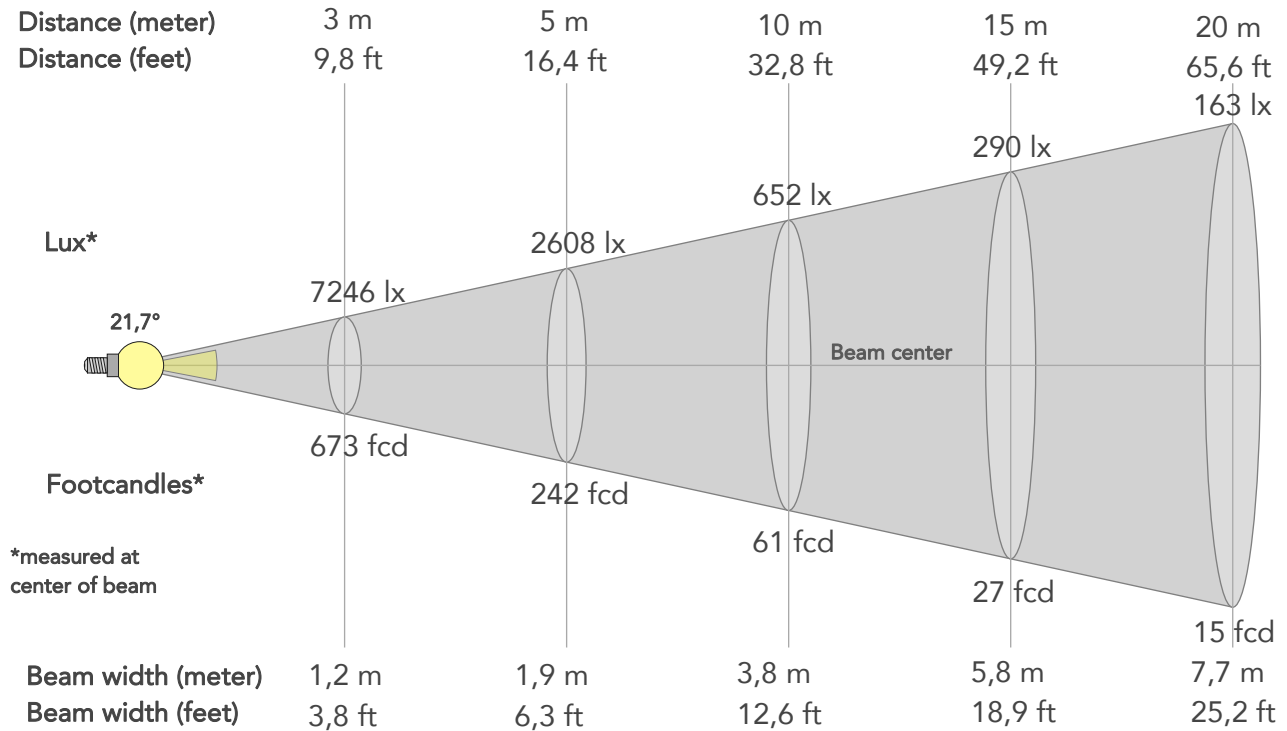
Spectra



BEAM DETAILS



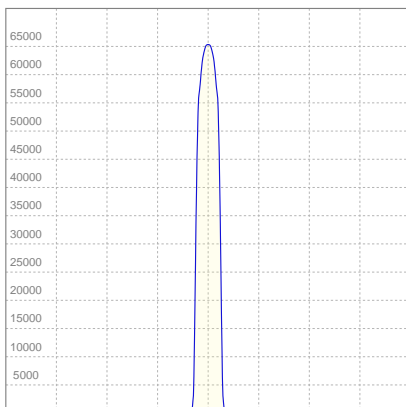
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,7°	25,3°	28,2°	100,0%	100,0%



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	65211lx	16303lx	7246lx	4076lx	2608lx	1159lx	652lx	290lx	163lx	104lx	72lx	41lx	26lx
Footcand.	6058fcd	1515fcd	673fcd	379fcd	242fcd	108fcd	61fcd	27fcd	15fcd	10fcd	7fcd	4fcd	2fcd
Beam wid.	0,4m	0,8m	1,2m	1,5m	1,9m	2,9m	3,8m	5,8m	7,7m	9,6m	11,5m	15,4m	19,2m
Beam wid.	1,3ft	2,5ft	3,8ft	5ft	6,3ft	9,4ft	12,6ft	18,9ft	25,2ft	31,5ft	37,8ft	50,4ft	63ft

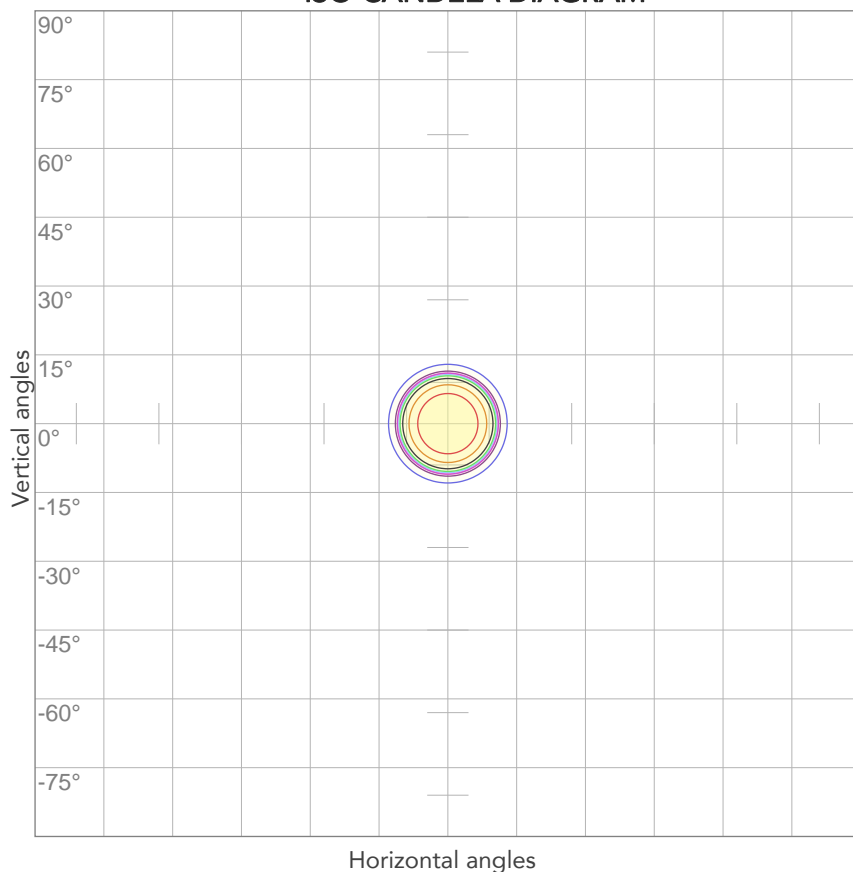
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	1,22A	265,2W	27lm/W
Power FC			
0,96			

ISO CANDELA DIAGRAM



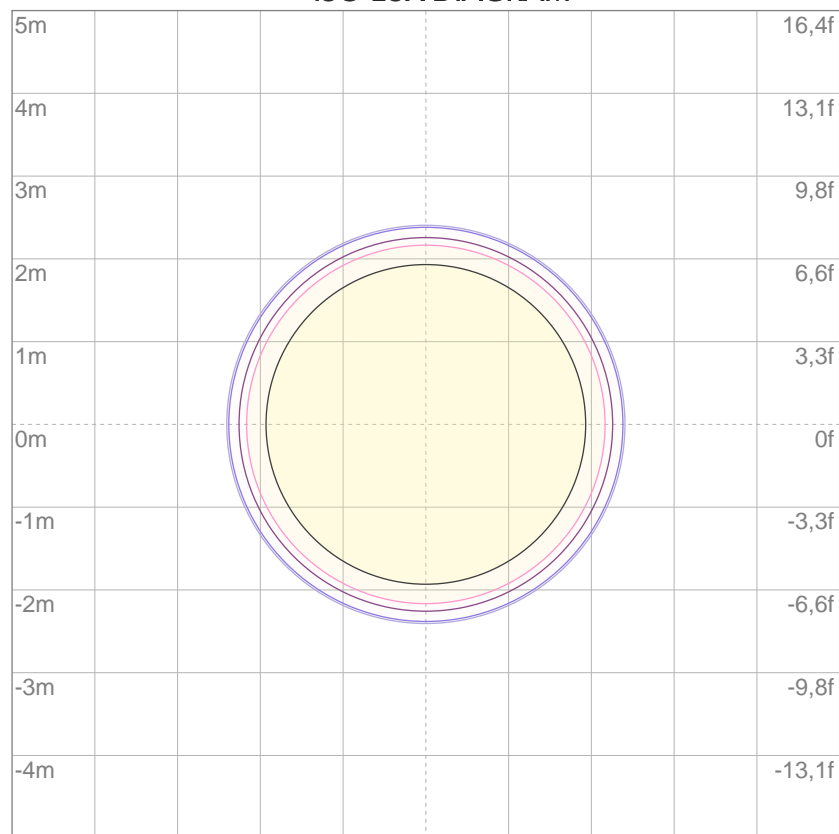
10%	6521 cd
20%	13042 cd
30%	19563 cd
40%	26084 cd
50%	32606 cd
60%	39127 cd
70%	45648 cd
80%	52169 cd

Conditions:

Number of c-planes: 2

Candela at center: 65211 cd

ISO LUX DIAGRAM



3%	19,6 lx
5%	32,6 lx
10%	65,2 lx
30%	196 lx
50%	326 lx

Conditions:

Number of c-planes: 2

Lux at center: 652 lx

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



Total lumen output:

1504 lm

Peak candela output:

3716 cd

PRODUCT NAME:
ECLCTPLUS

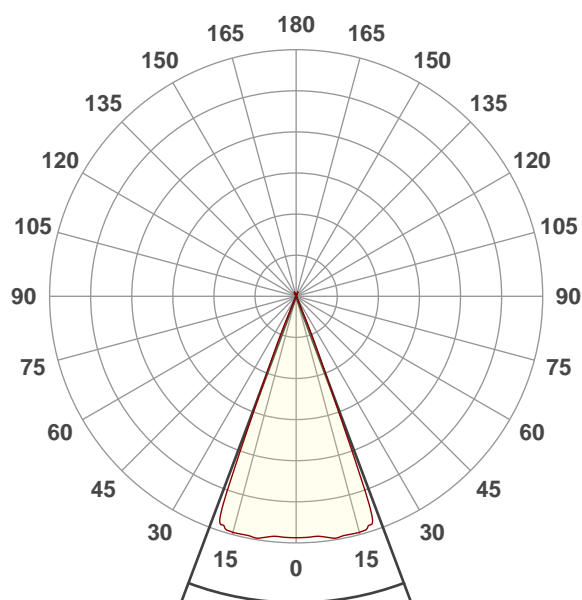
MEASURAMENT CONDITIONS:

Beam angle:
PRL25-50 Max Zoom

Target:
Red HQ

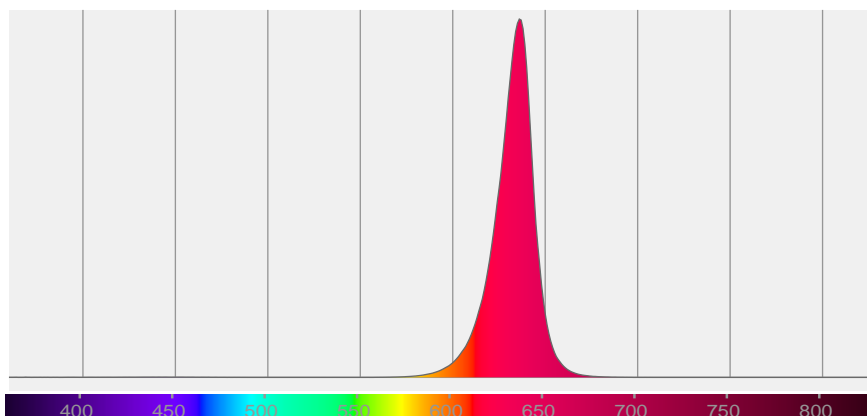
Operator:
Paolo Carvone

Date and time:
15/07/2020 11:19:58



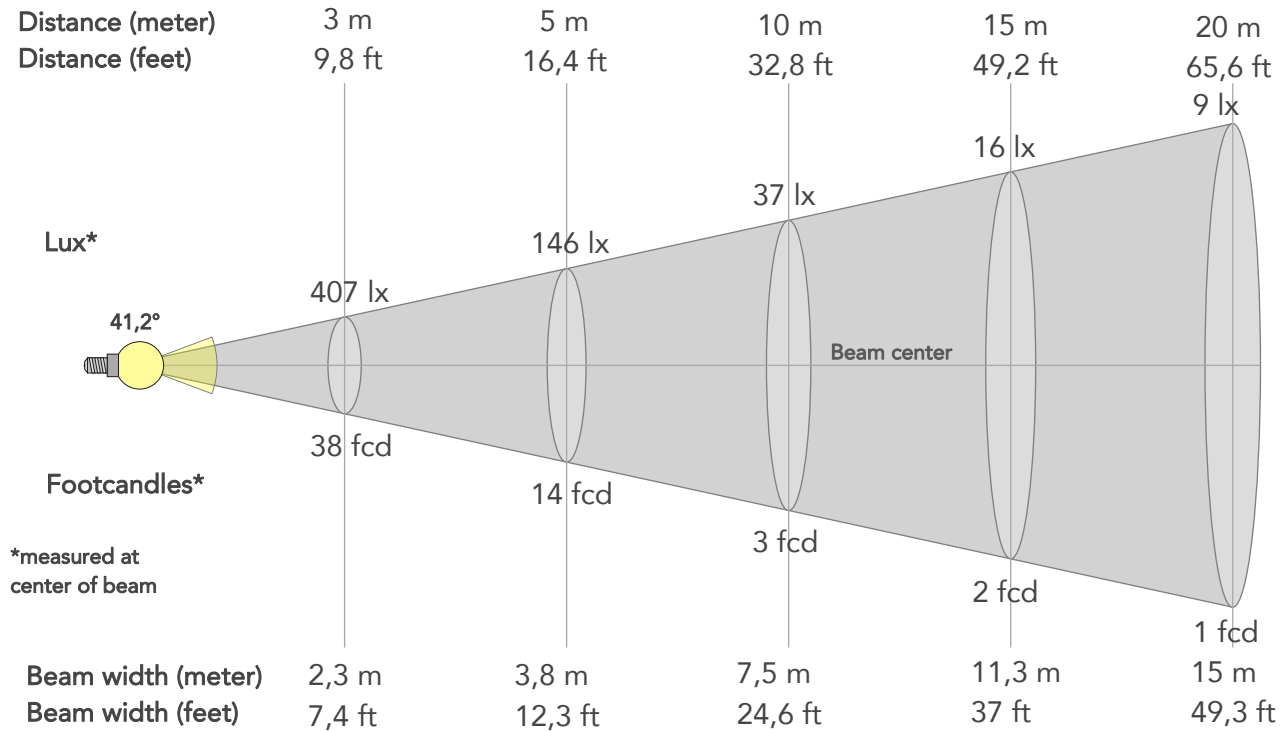
Beam angle 50%: 41,2°
Field angle 10%: 45,2°
Cut off angle 2.5%: 46,4°

Spectra



BEAM DETAILS

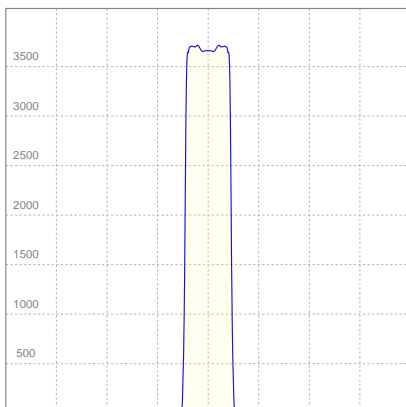
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
41,2°	45,2°	46,4°	99,6%	99,5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3660lx	915lx	407lx	229lx	146lx	65lx	37lx	16lx	9lx	6lx	4lx	2lx	1lx
Footcand.	340fcd	85fcd	38fcd	21fcd	14fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,5m	2,3m	3m	3,8m	5,6m	7,5m	11,3m	15m	18,8m	22,5m	30,1m	37,6m
Beam wid.	2,5ft	5ft	7,4ft	9,8ft	12,3ft	18,5ft	24,6ft	37ft	49,3ft	61,6ft	73,9ft	98,6ft	123,2ft

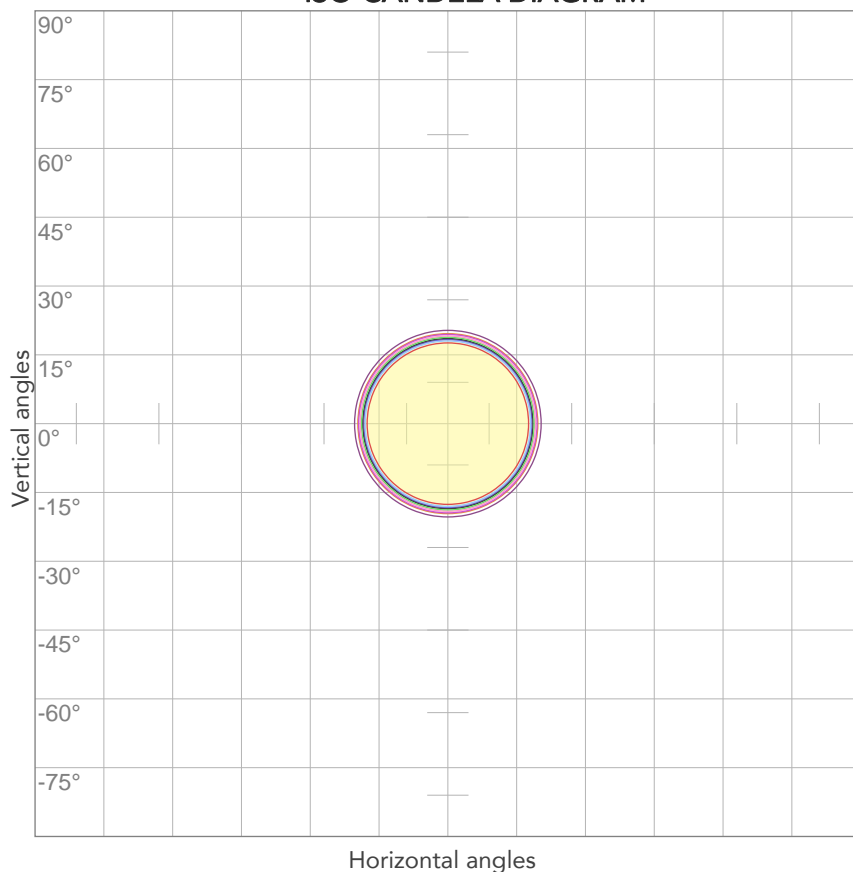
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,322A	53,1W	28lm/W

ISO CANDELA DIAGRAM



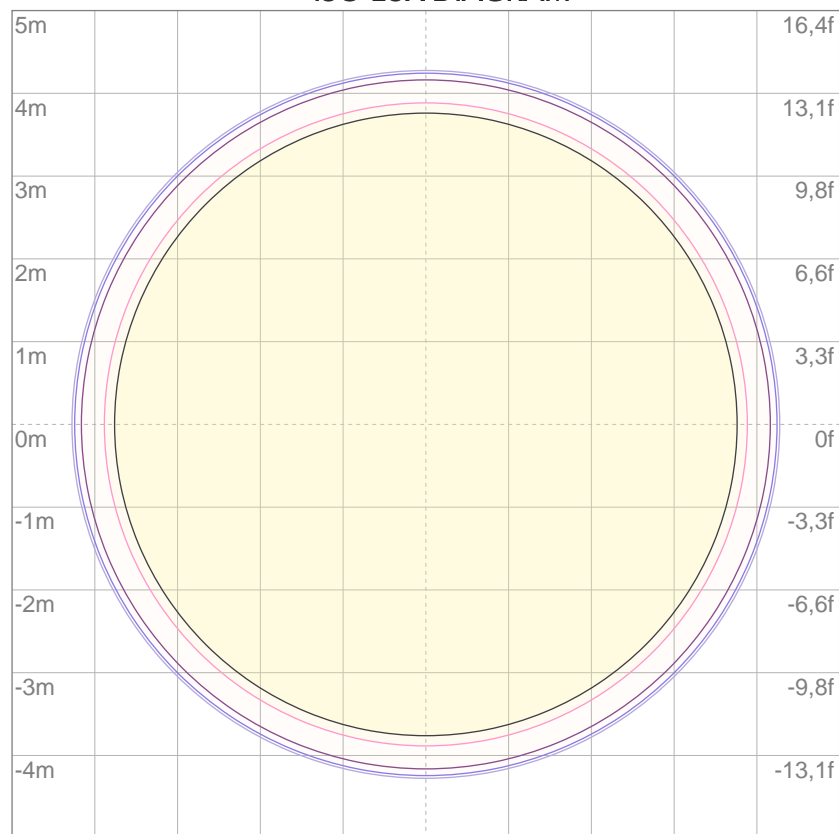
10%	366 cd
20%	732 cd
30%	1098 cd
40%	1464 cd
50%	1830 cd
60%	2196 cd
70%	2562 cd
80%	2928 cd

Conditions:

Number of c-planes: 2

Candela at center: 3660 cd

ISO LUX DIAGRAM



3%	1,10 lx
5%	1,83 lx
10%	3,66 lx
30%	11,0 lx
50%	18,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 36,6 lx

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



Total lumen output:

931 lm

Peak candela output:

9812 cd

PRODUCT NAME:
ECLCTPLUS

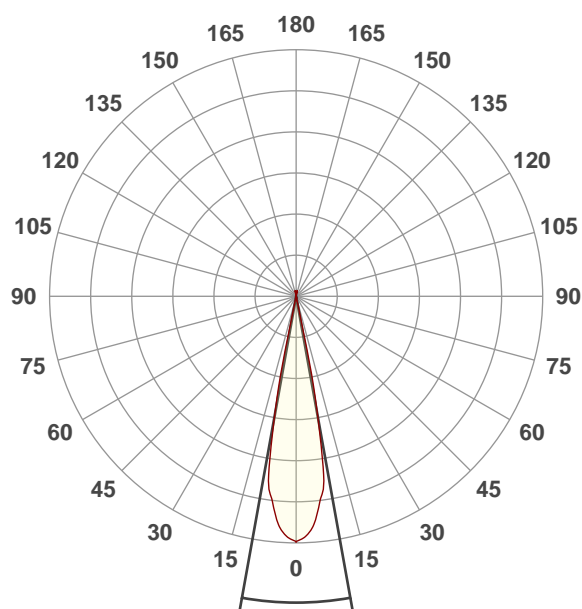
MEASURAMENT CONDITIONS:

Beam angle:
PRL25-50 Min Zoom

Target:
Red HQ

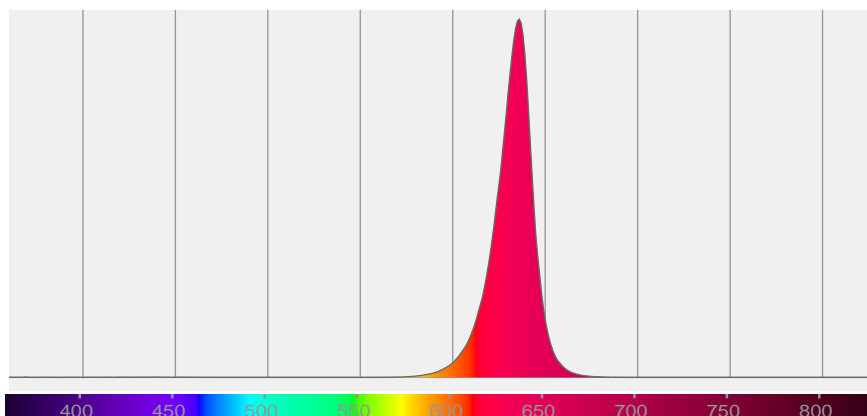
Operator:
Paolo Carvone

Date and time:
15/07/2020 10:31:27



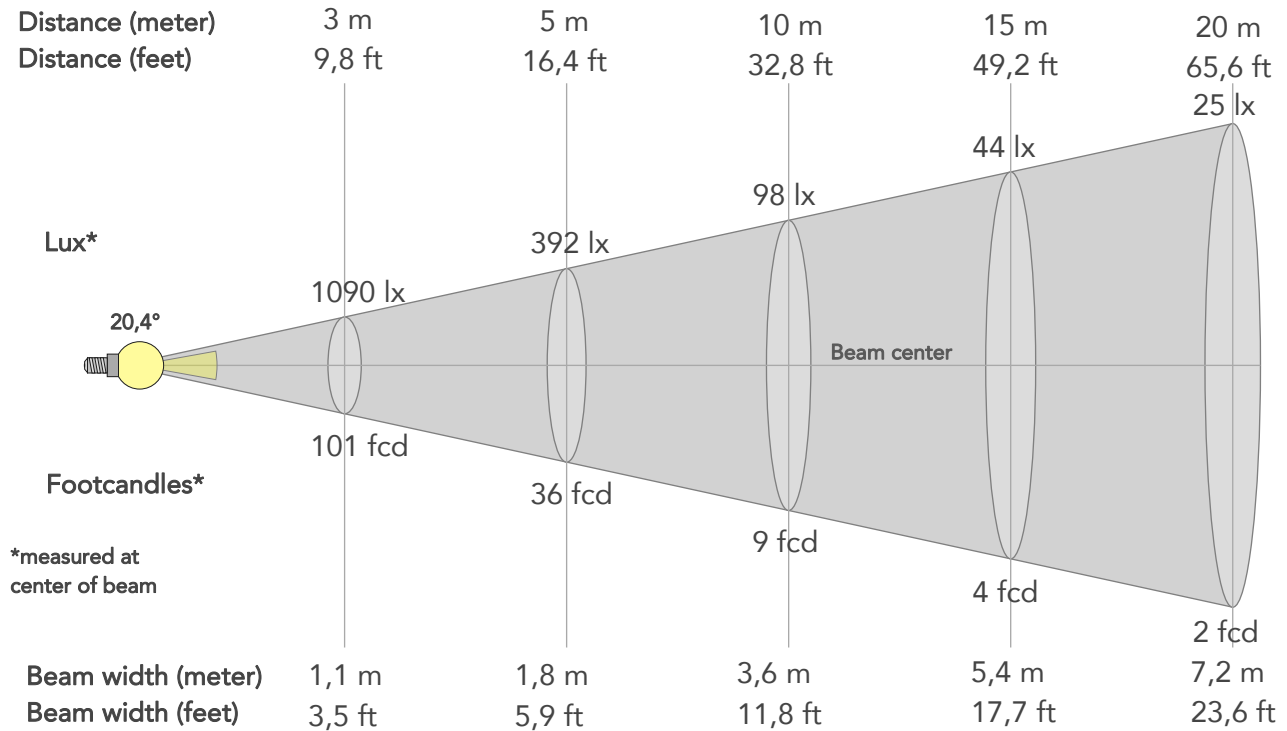
Beam angle 50%: 20,4°
Field angle 10%: 25,1°
Cut off angle 2.5%: 26°

Spectra



BEAM DETAILS

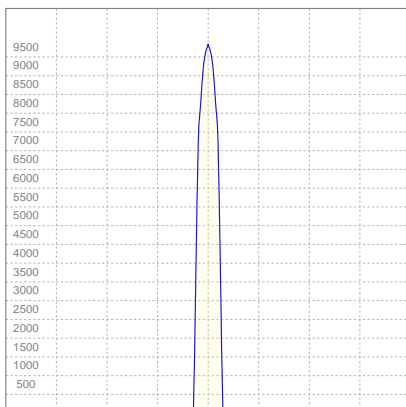
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,4°	25,1°	26°	100,0%	99,9%



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	9812lx	2453lx	1090lx	613lx	392lx	174lx	98lx	44lx	25lx	16lx	11lx	6lx	4lx
Footcand.	912fcd	228fcd	101fcd	57fcd	36fcd	16fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,4m	1,8m	2,7m	3,6m	5,4m	7,2m	9m	10,8m	14,4m	18m
Beam wid.	1,2ft	2,4ft	3,5ft	4,7ft	5,9ft	8,8ft	11,8ft	17,7ft	23,6ft	29,5ft	35,4ft	47,2ft	59ft

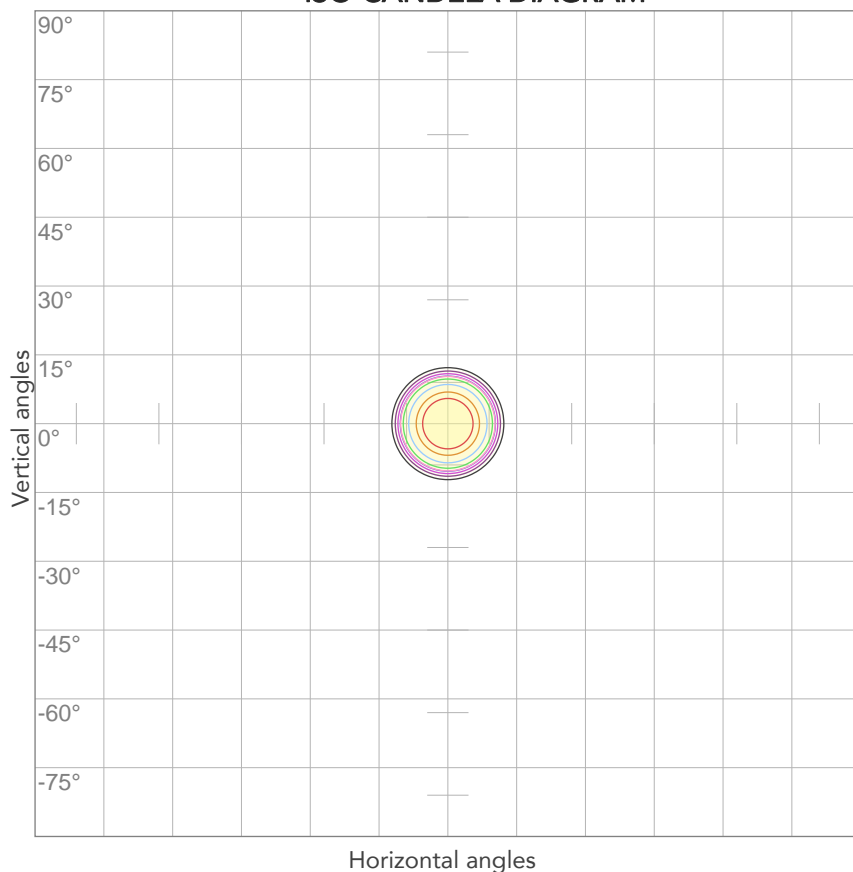
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,323A	53,1W	18lm/W

ISO CANDELA DIAGRAM



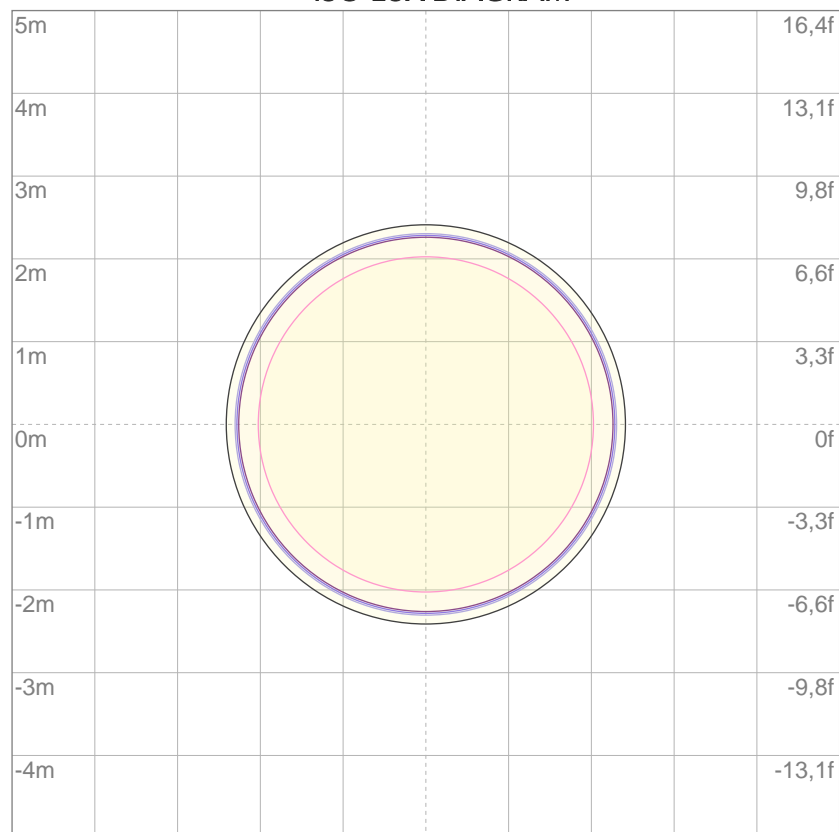
10%	981 cd
20%	1962 cd
30%	2943 cd
40%	3925 cd
50%	4906 cd
60%	5887 cd
70%	6868 cd
80%	7849 cd

Conditions:

Number of c-planes: 2

Candela at center: 9812 cd

ISO LUX DIAGRAM



3%	2,94 lx
5%	4,91 lx
10%	9,81 lx
30%	29,4 lx
50%	49,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 98,1 lx

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



Total lumen output:

1612 lm

Peak candela output:

4325 cd

PRODUCT NAME:
ECLCTPLUS

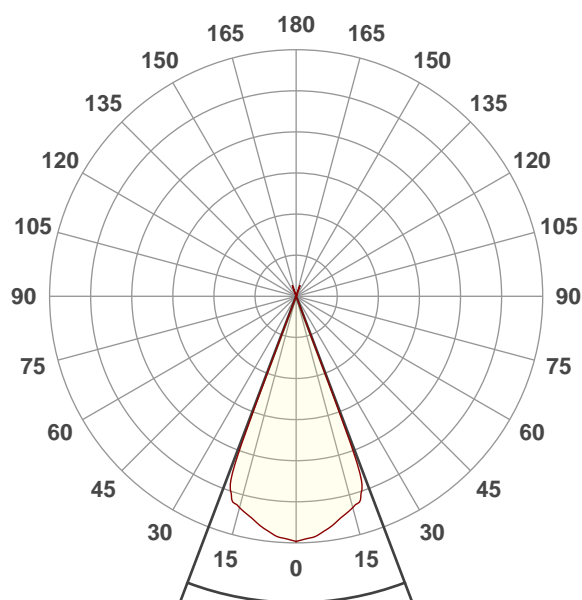
MEASURAMENT CONDITIONS:

Beam angle:
PRL25-50 Max Zoom

Target:
Green HQ

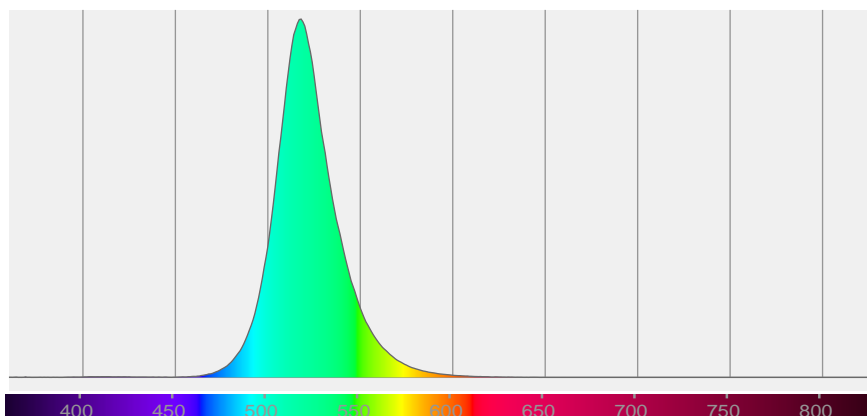
Operator:
Paolo Carvone

Date and time:
15/07/2020 11:25:25



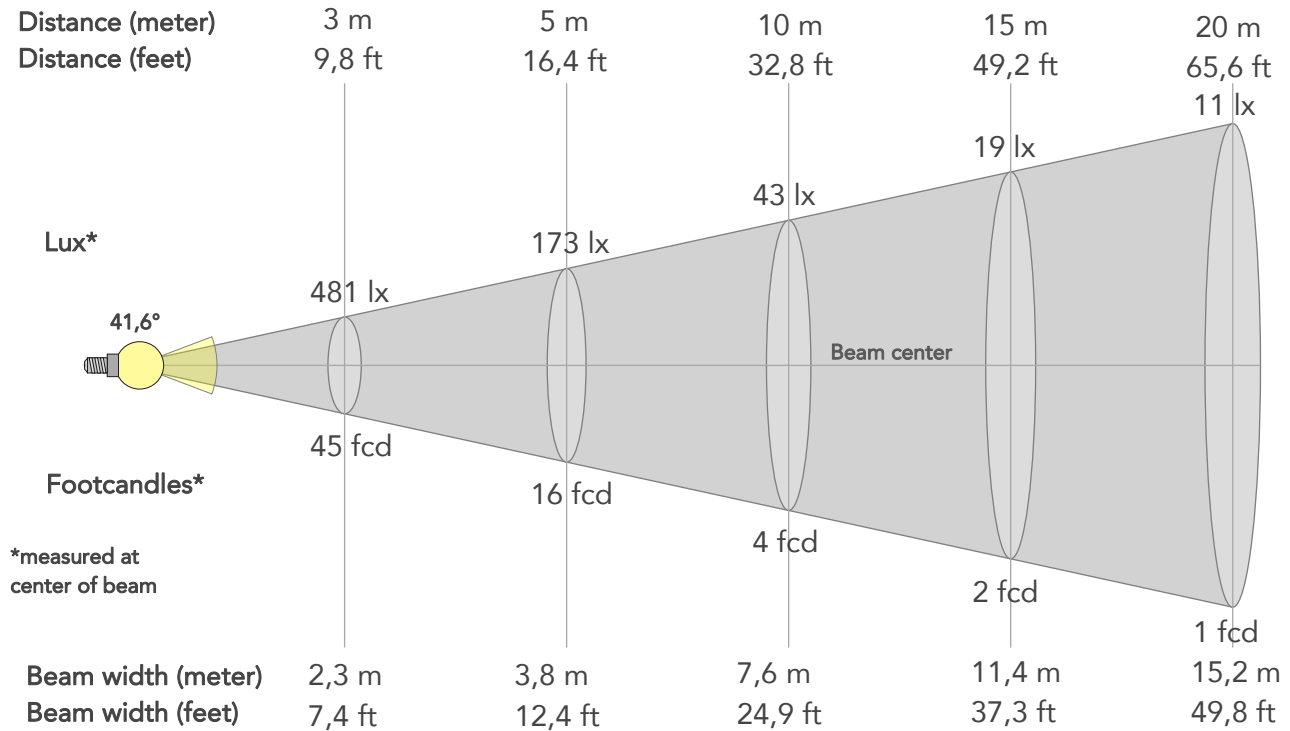
Beam angle 50%: 41,6°
Field angle 10%: 44,2°
Cut off angle 2.5%: 44,6°

Spectra



BEAM DETAILS

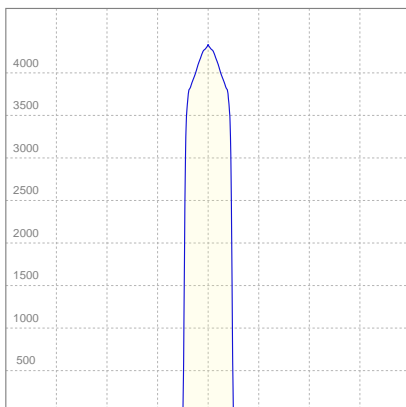
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
41,6°	44,2°	44,6°	100,0%	100,0%



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	4325lx	1081lx	481lx	270lx	173lx	77lx	43lx	19lx	11lx	7lx	5lx	3lx	2lx
Footcand.	402fcd	100fcd	45fcd	25fcd	16fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,5m	2,3m	3m	3,8m	5,7m	7,6m	11,4m	15,2m	19m	22,8m	30,4m	38m
Beam wid.	2,5ft	5ft	7,4ft	9,9ft	12,4ft	18,7ft	24,9ft	37,3ft	49,8ft	62,2ft	74,7ft	99,6ft	124,5ft

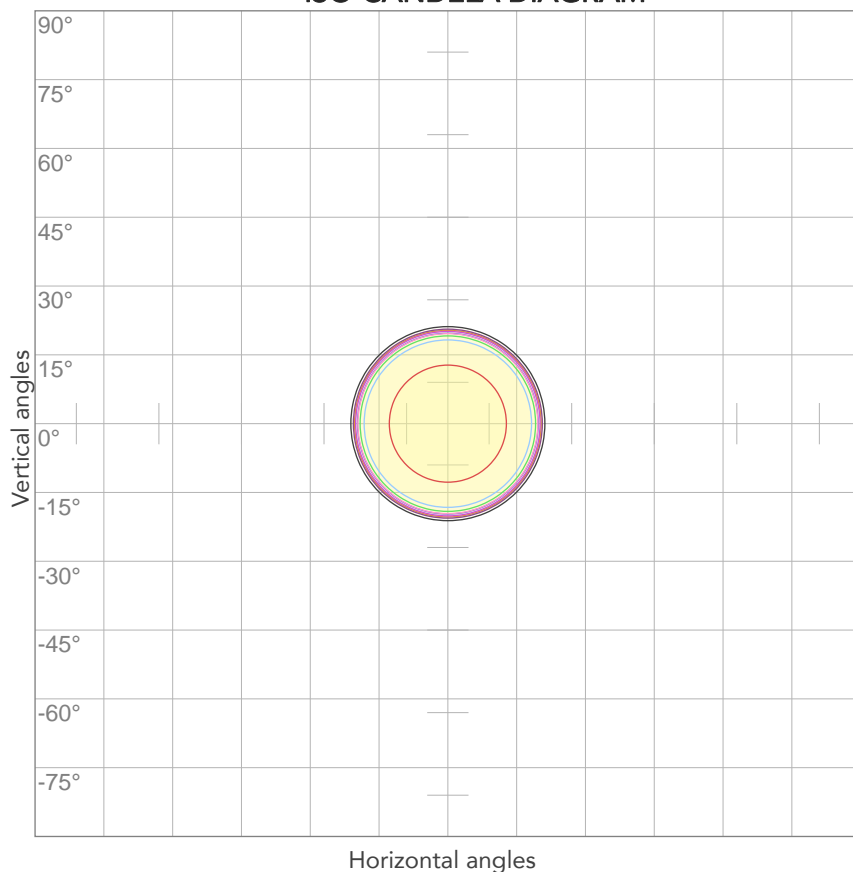
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,298A	47,2W	34lm/W

ISO CANDELA DIAGRAM



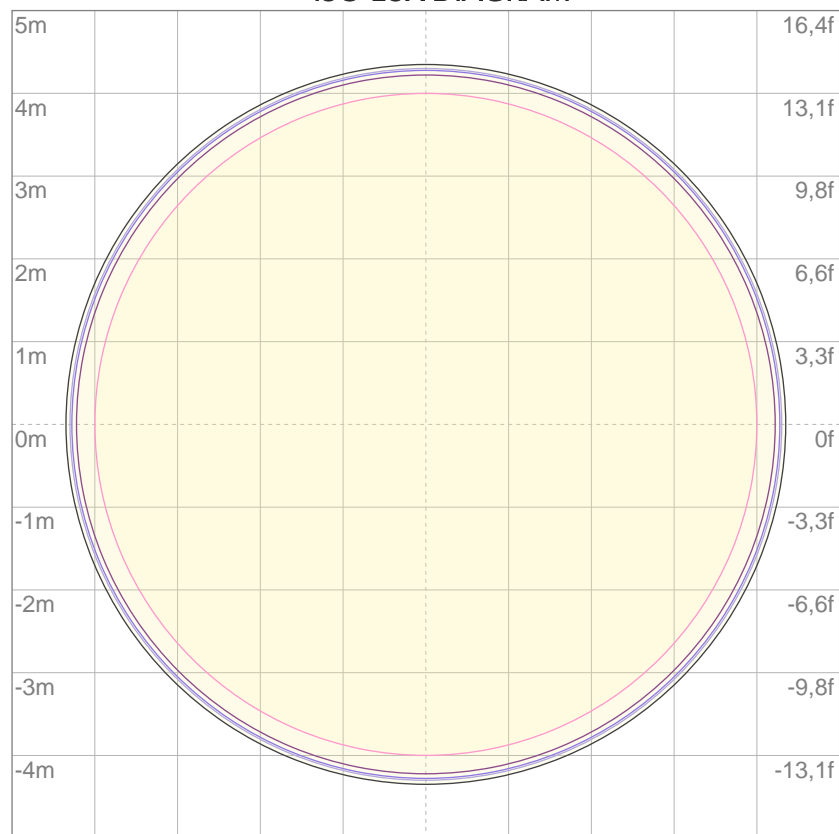
10%	432 cd
20%	865 cd
30%	1297 cd
40%	1730 cd
50%	2162 cd
60%	2595 cd
70%	3027 cd
80%	3460 cd

Conditions:

Number of c-planes: 2

Candela at center: 4325 cd

ISO LUX DIAGRAM



3%	1,30 lx
5%	2,16 lx
10%	4,32 lx
30%	13,0 lx
50%	21,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 43,2 lx

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



Total lumen output:

1063 lm

Peak candela output:

12315 cd

PRODUCT NAME:
ECLCTPLUS

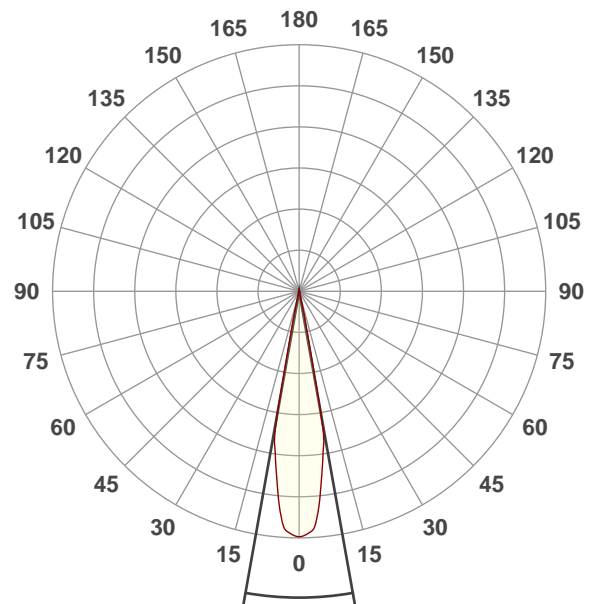
MEASURAMENT CONDITIONS:

Beam angle:
PRL25-50 Min Zoom

Target:
Green HQ

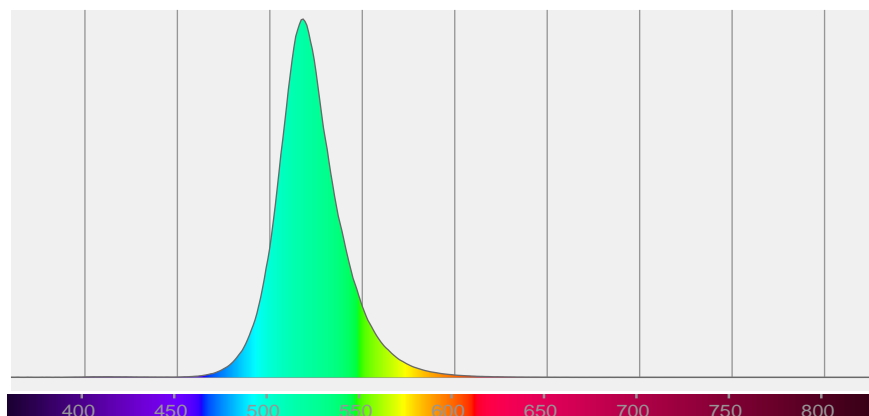
Operator:
Paolo Carvone

Date and time:
15/07/2020 10:33:29



Beam angle 50%: 20,2°
Field angle 10%: 24°
Cut off angle 2.5%: 25,7°

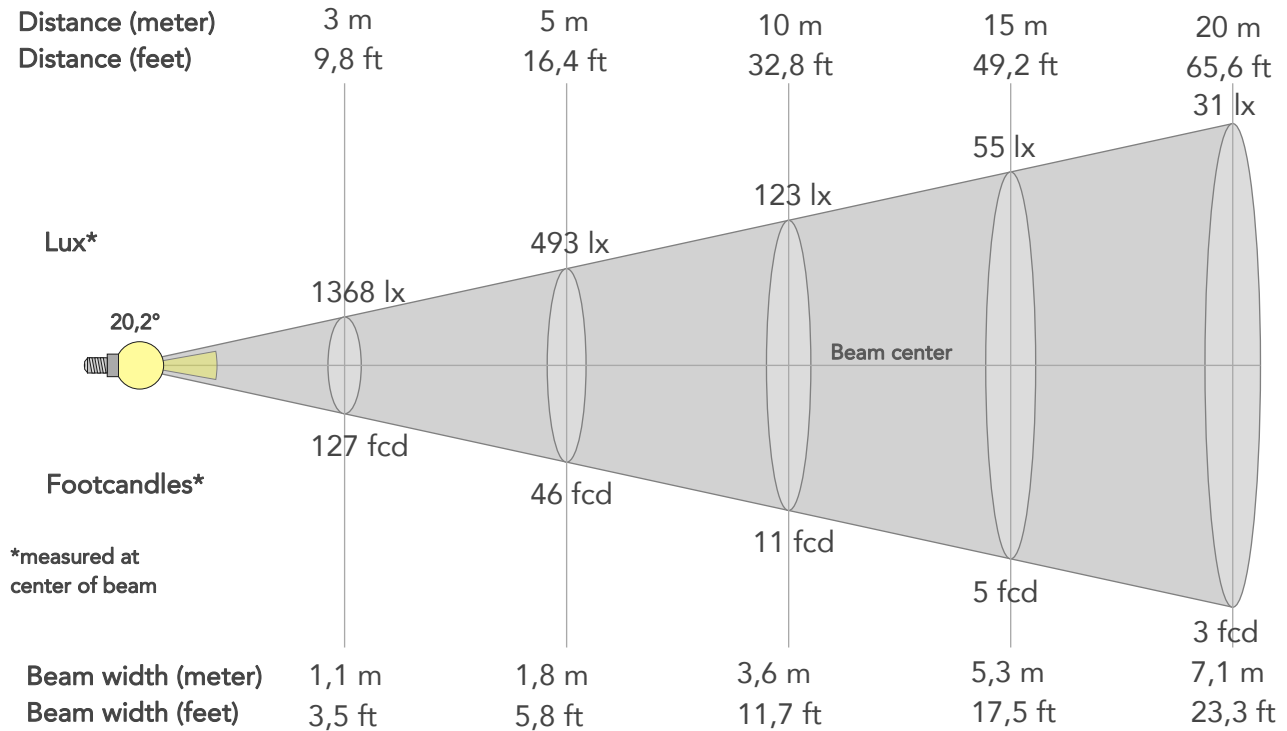
Spectra



BEAM DETAILS



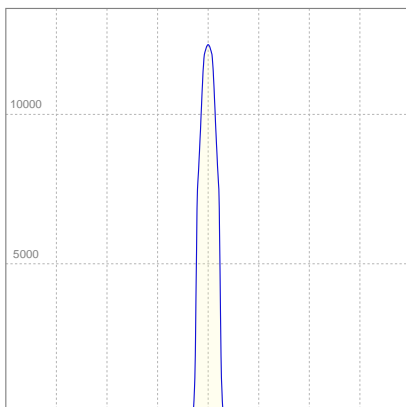
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,2°	24°	25,7°	99,9%	99,9%



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	12315lx	3079lx	1368lx	770lx	493lx	219lx	123lx	55lx	31lx	20lx	14lx	8lx	5lx
Footcand.	1144fcd	286fcd	127fcd	72fcd	46fcd	20fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,4m	1,8m	2,7m	3,6m	5,3m	7,1m	8,9m	10,7m	14,2m	17,8m
Beam wid.	1,2ft	2,3ft	3,5ft	4,7ft	5,8ft	8,8ft	11,7ft	17,5ft	23,3ft	29,2ft	35ft	46,7ft	58,4ft

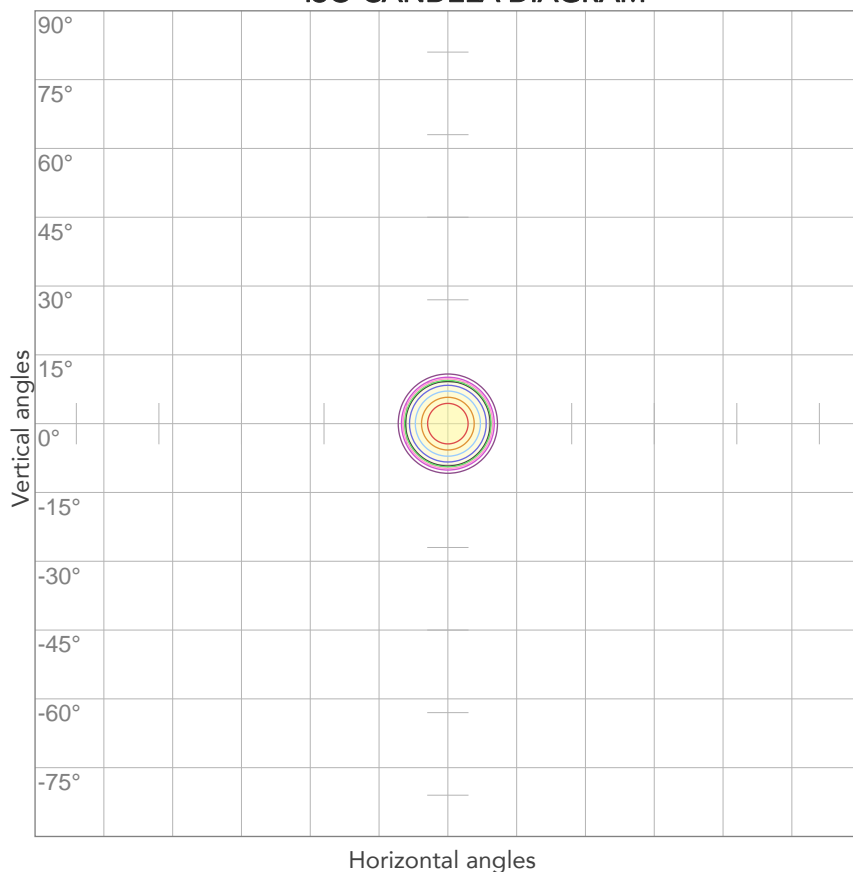
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,299A	47,2W	23lm/W

ISO CANDELA DIAGRAM



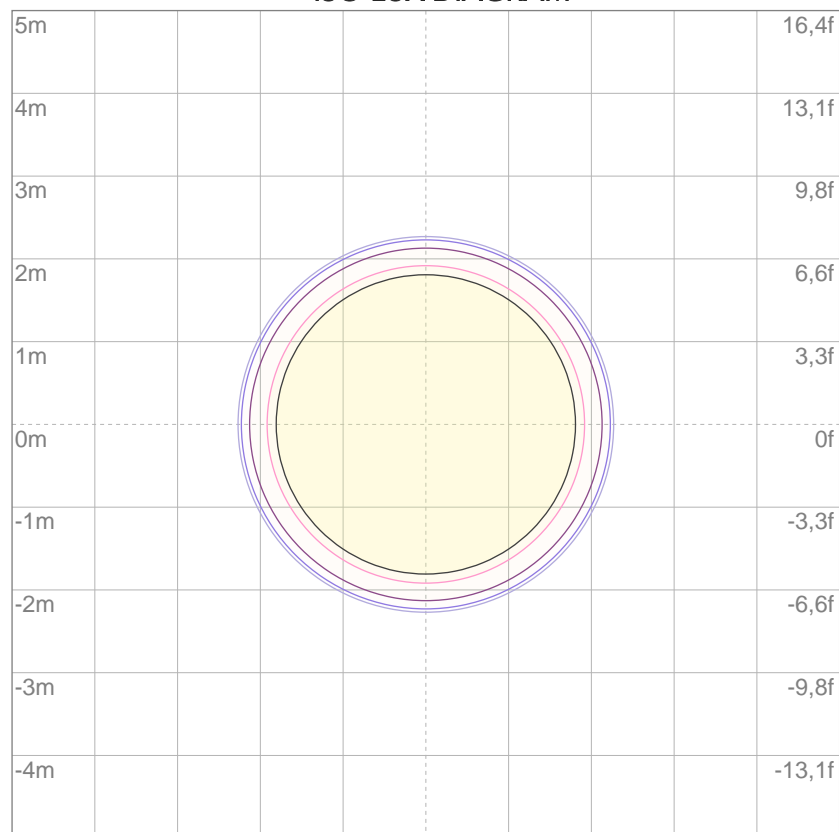
10%	1231 cd
20%	2463 cd
30%	3694 cd
40%	4926 cd
50%	6157 cd
60%	7389 cd
70%	8620 cd
80%	9852 cd

Conditions:

Number of c-planes: 2

Candela at center: 12315 cd

ISO LUX DIAGRAM



3%	3,69 lx
5%	6,16 lx
10%	12,3 lx
30%	36,9 lx
50%	61,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 123 lx

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



Total lumen output:

181 lm

Peak candela output:

475 cd

PRODUCT NAME:
ECLCTPLUS

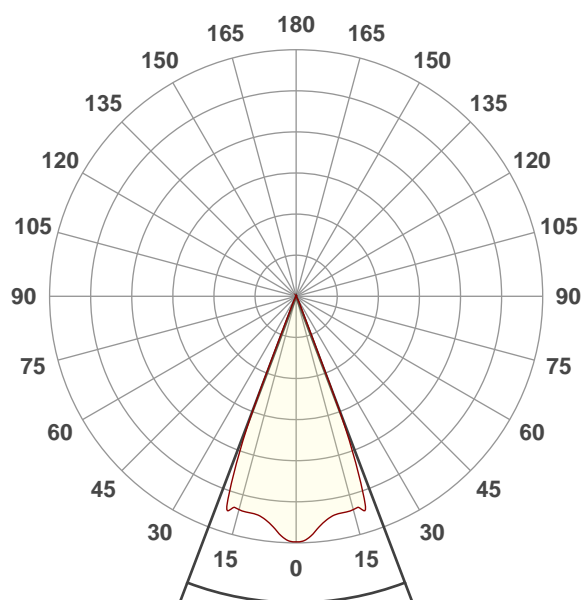
MEASURAMENT CONDITIONS:

Beam angle:
PRL25-50 Max Zoom

Target:
Blue HQ

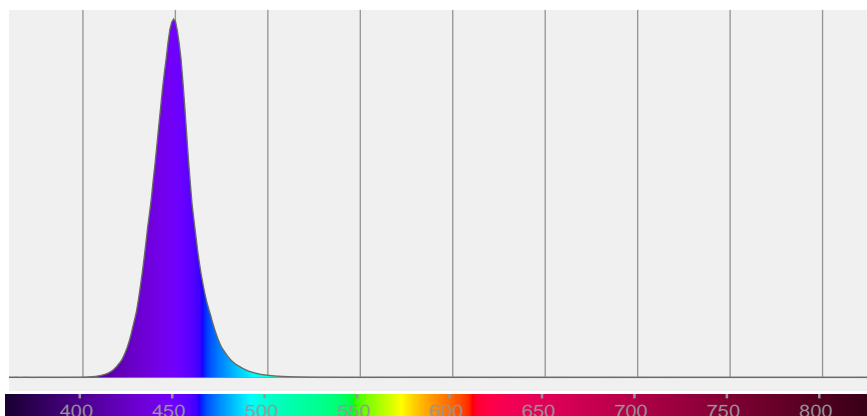
Operator:
Paolo Carvone

Date and time:
15/07/2020 11:27:16



Beam angle 50%: 41,6°
Field angle 10%: 45°
Cut off angle 2.5%: 48,1°

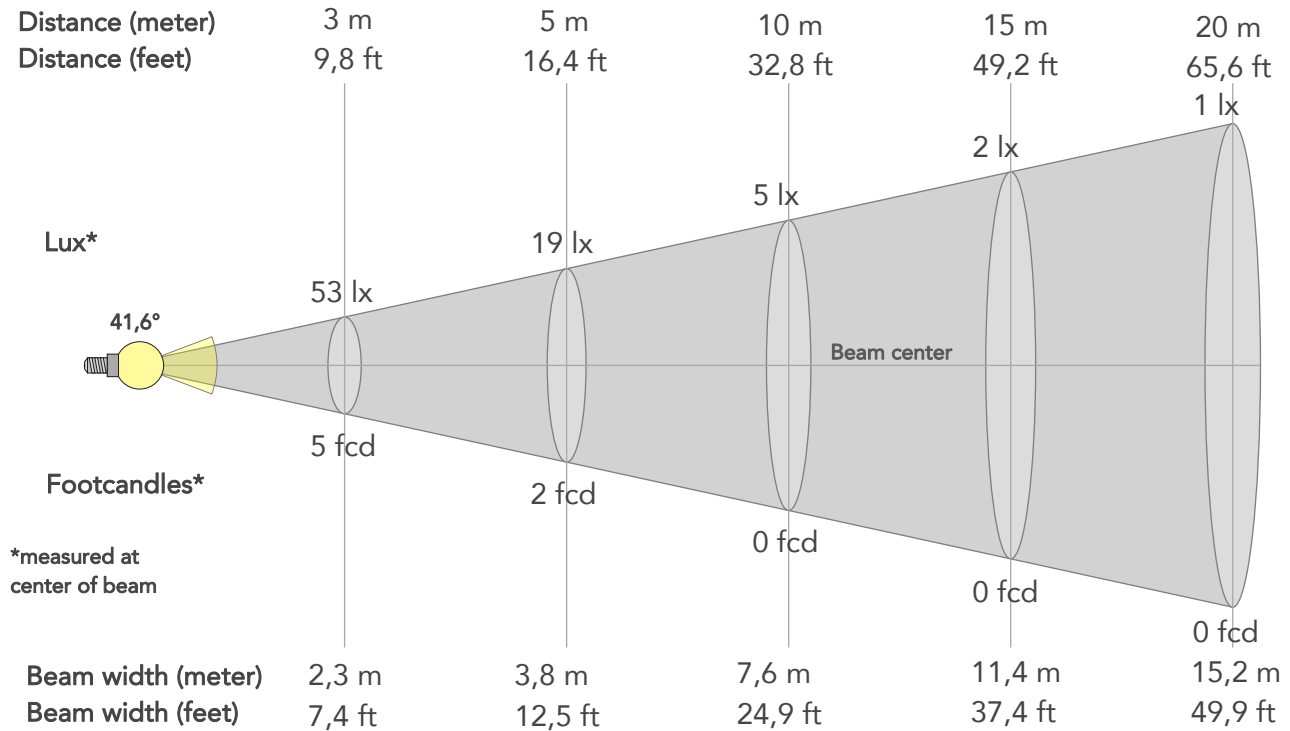
Spectra



BEAM DETAILS



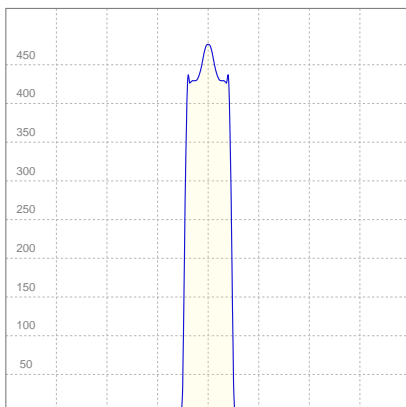
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
41,6°	45°	48,1°	99,6%	99,6%



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	475lx	119lx	53lx	30lx	19lx	8lx	5lx	2lx	1lx	1lx	1lx	0lx	0lx
Footcand.	44fcd	11fcd	5fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,5m	2,3m	3m	3,8m	5,7m	7,6m	11,4m	15,2m	19m	22,8m	30,4m	38m
Beam wid.	2,5ft	5ft	7,4ft	10ft	12,5ft	18,7ft	24,9ft	37,4ft	49,9ft	62,3ft	74,8ft	99,7ft	124,6ft

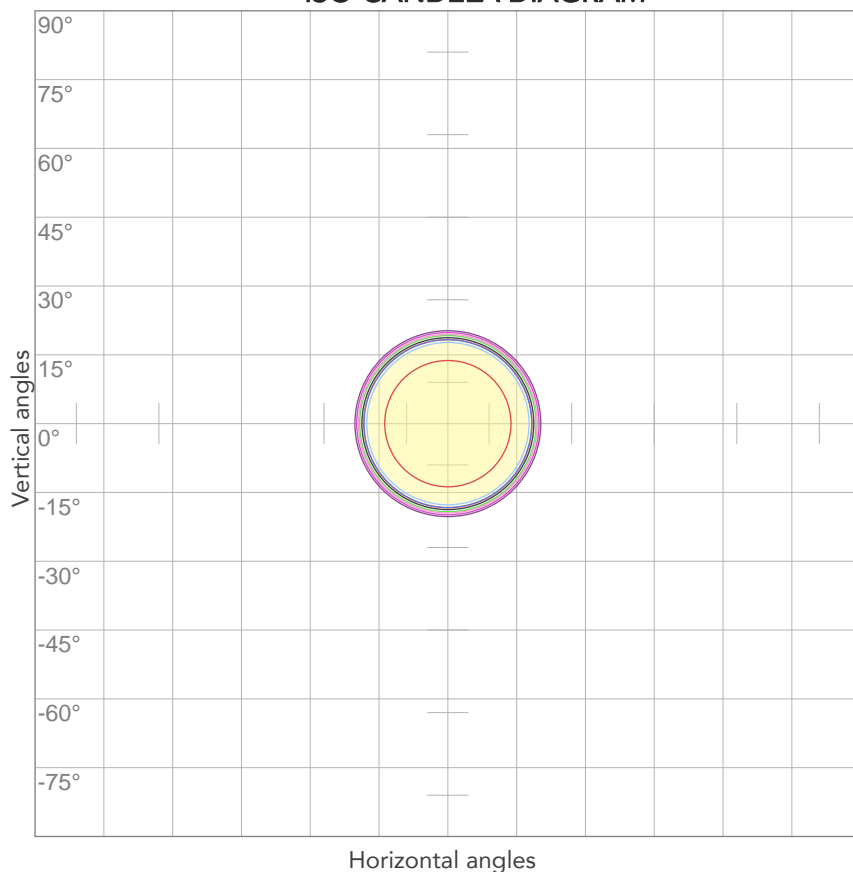
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,234A	32,2W	6lm/W

ISO CANDELA DIAGRAM



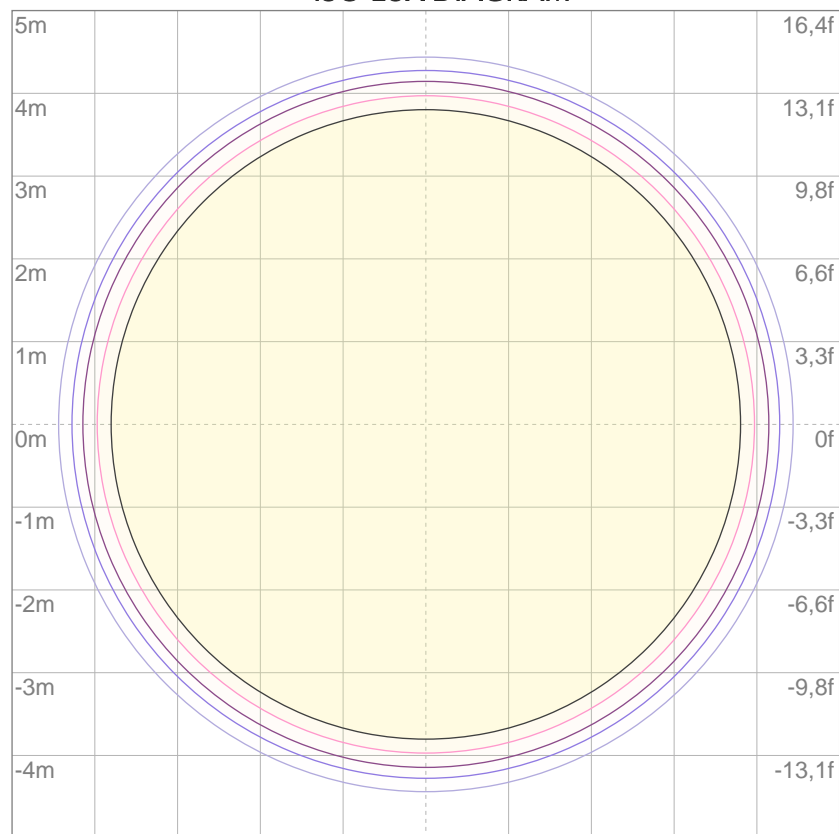
10%	48 cd
20%	95 cd
30%	143 cd
40%	190 cd
50%	238 cd
60%	285 cd
70%	333 cd
80%	380 cd

Conditions:

Number of c-planes: 2

Candela at center: 475 cd

ISO LUX DIAGRAM



3%	0,143 lx
5%	0,238 lx
10%	0,475 lx
30%	1,43 lx
50%	2,38 lx

Conditions:

Number of c-planes: 2

Lux at center: 4,75 lx

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



Total lumen output:

124 lm

Peak candela output:

1603 cd

PRODUCT NAME:
ECLCTPLUS

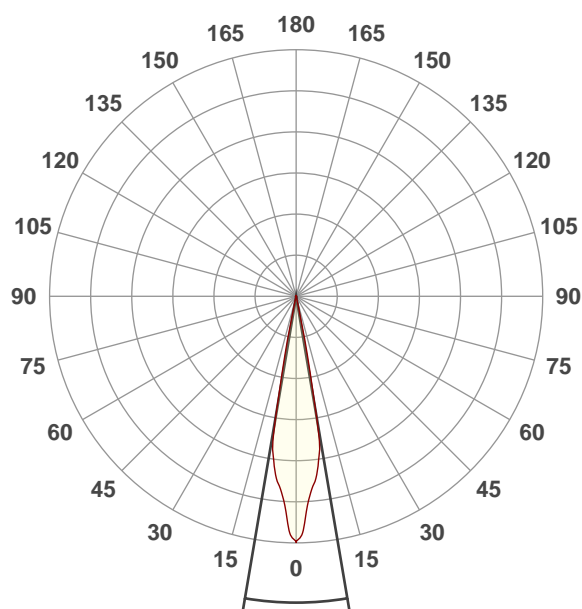
MEASURAMENT CONDITIONS:

Beam angle:
PRL25-50 Min Zoom

Target:
Blue HQ

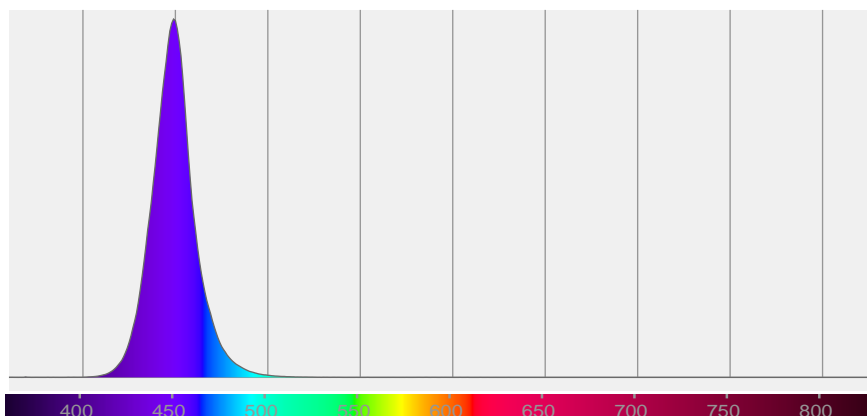
Operator:
Paolo Carvone

Date and time:
15/07/2020 10:35:26



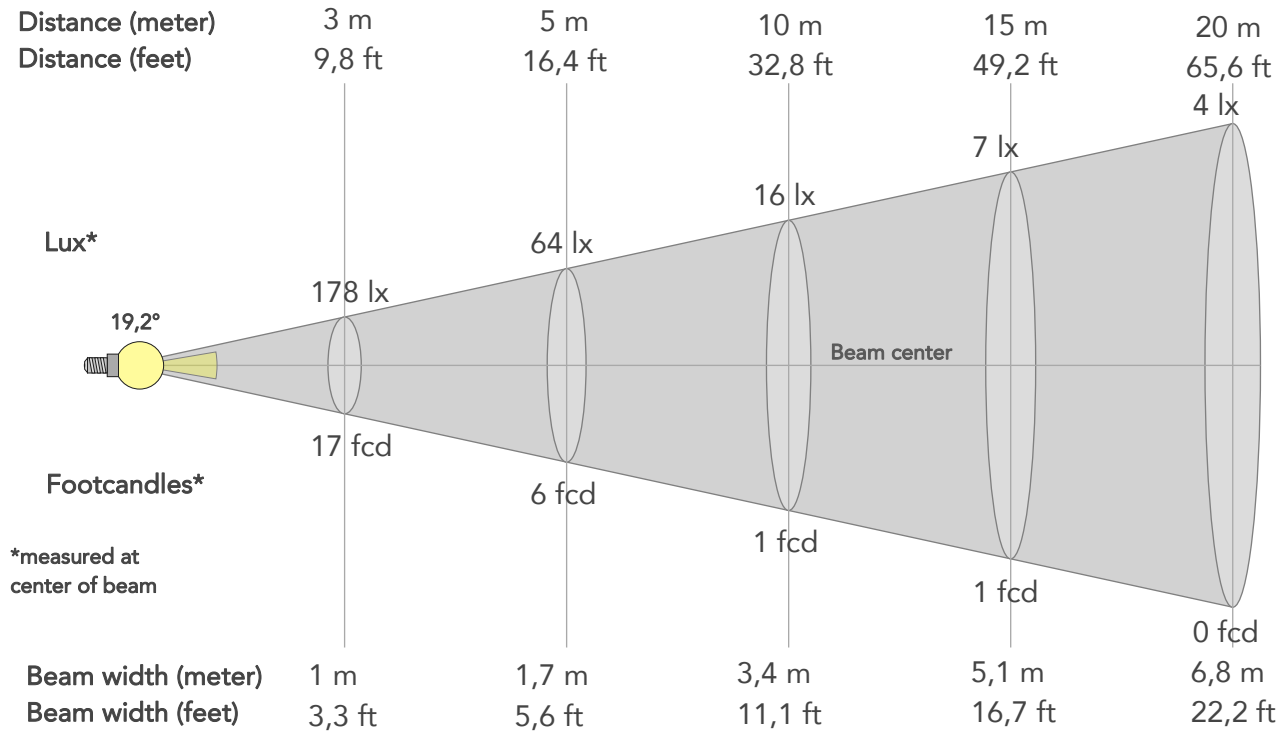
Beam angle 50%: 19,2°
Field angle 10%: 23,7°
Cut off angle 2.5%: 25,3°

Spectra



BEAM DETAILS

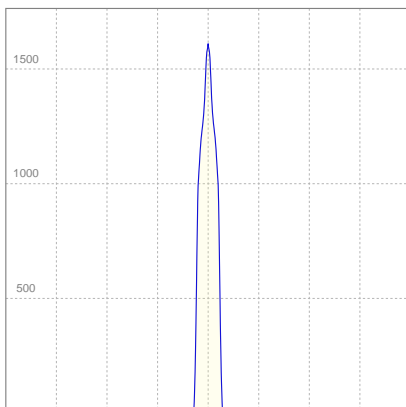
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
19,2°	23,7°	25,3°	99,9%	99,8%



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	1603lx	401lx	178lx	100lx	64lx	29lx	16lx	7lx	4lx	3lx	2lx	1lx	1lx
Footcand.	149fcd	37fcd	17fcd	9fcd	6fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,7m	1m	1,4m	1,7m	2,5m	3,4m	5,1m	6,8m	8,5m	10,2m	13,6m	17m
Beam wid.	1,1ft	2,2ft	3,3ft	4,4ft	5,6ft	8,3ft	11,1ft	16,7ft	22,2ft	27,8ft	33,4ft	44,5ft	55,6ft

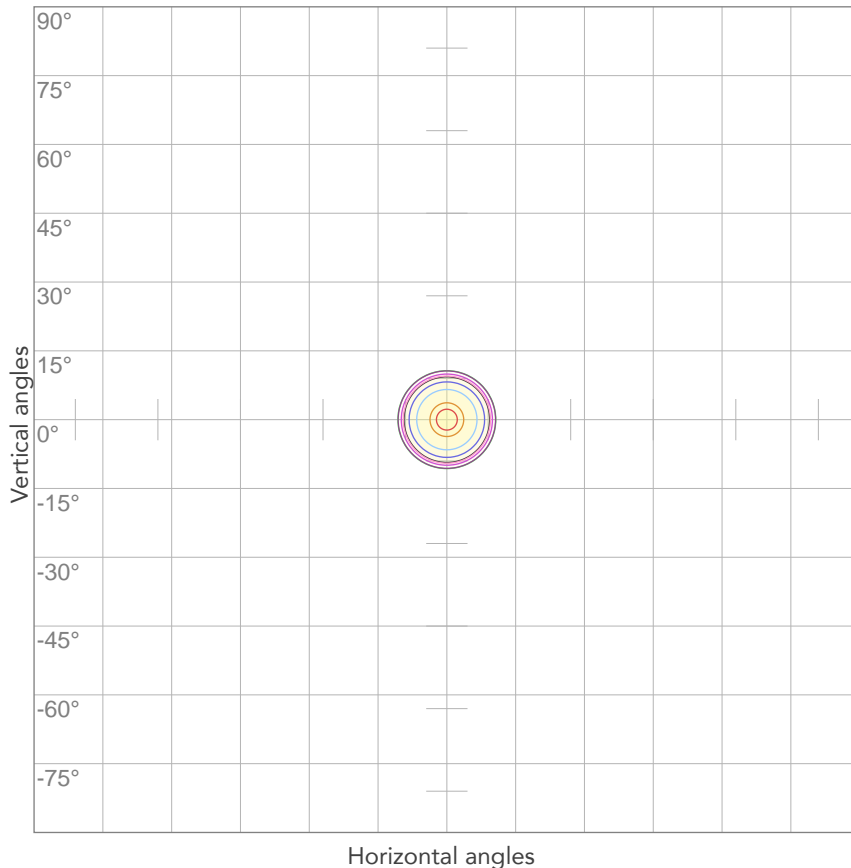
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,235A	32,1W	4lm/W

ISO CANDELA DIAGRAM



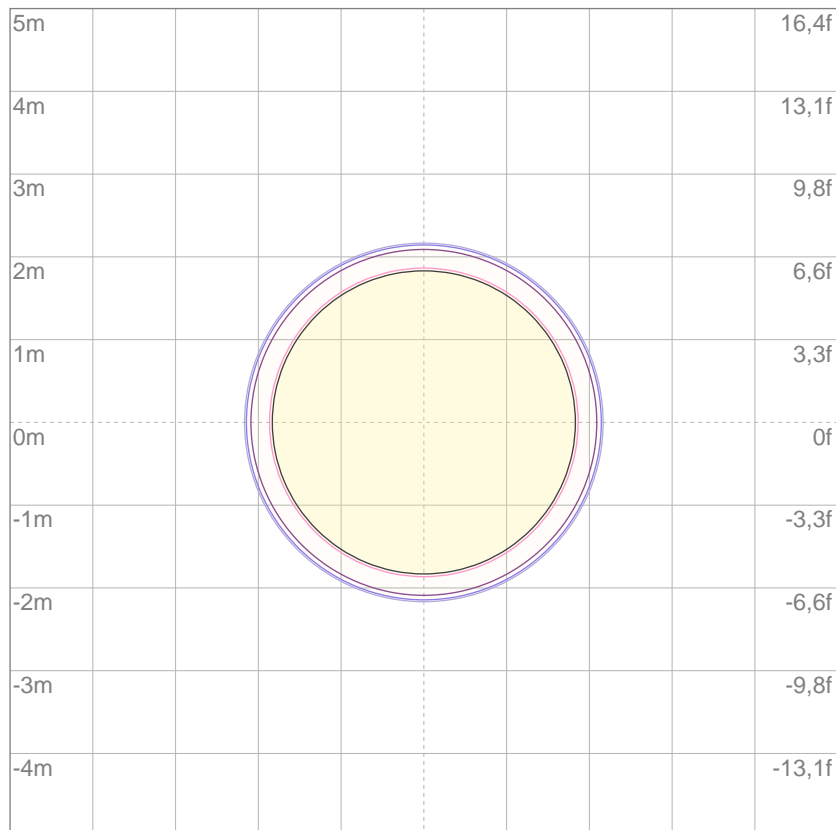
10%	160 cd
20%	321 cd
30%	481 cd
40%	641 cd
50%	802 cd
60%	962 cd
70%	1122 cd
80%	1283 cd

Conditions:

Number of c-planes: 2

Candela at center: 1603 cd

ISO LUX DIAGRAM



3%	0,481 lx
5%	0,802 lx
10%	1,60 lx
30%	4,81 lx
50%	8,02 lx

Conditions:

Number of c-planes: 2

Lux at center: 16,0 lx

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



Total lumen output:

7981 lm

Peak candela output:

19948 cd

Light quality:

CRI: 92,4

Color temperature:

2823 K

PRODUCT NAME:
ECLCTPLUS

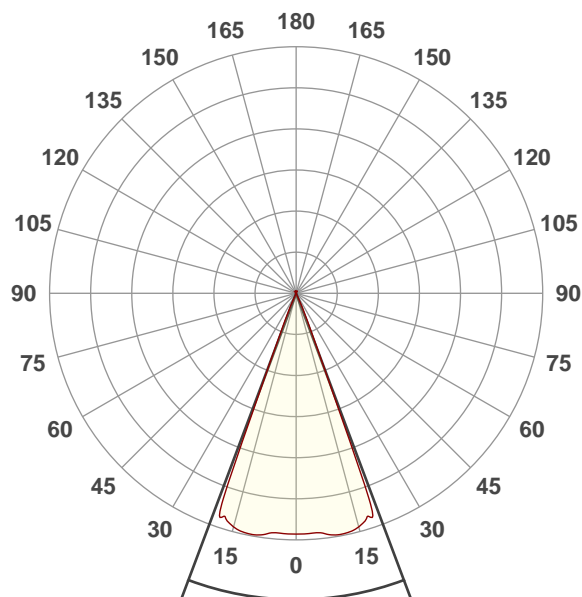
MEASURAMENT CONDITIONS:

Beam angle:
PRL25-50 Max Zoom

Target:
2800K HQ

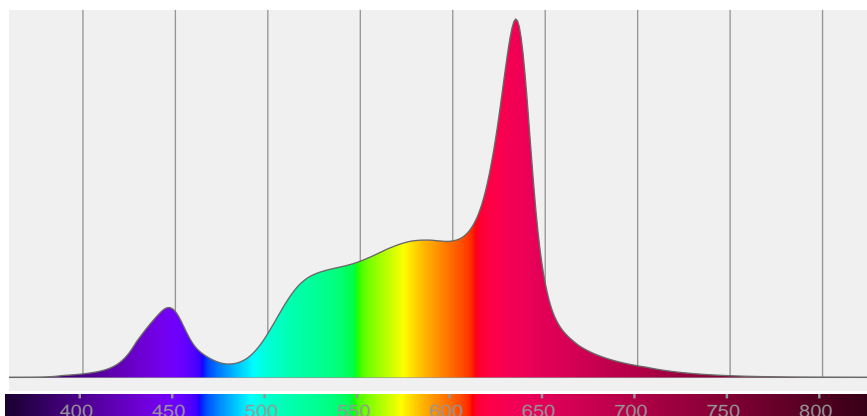
Operator:
Paolo Carvone

Date and time:
15/07/2020 11:28:53

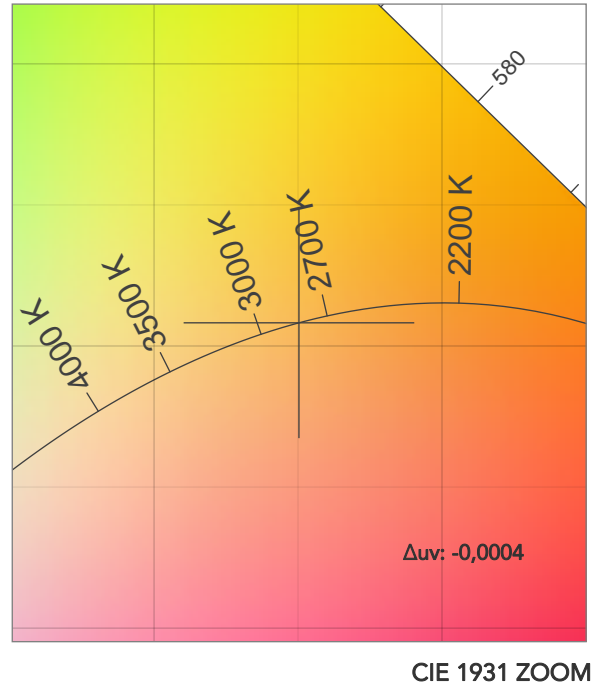
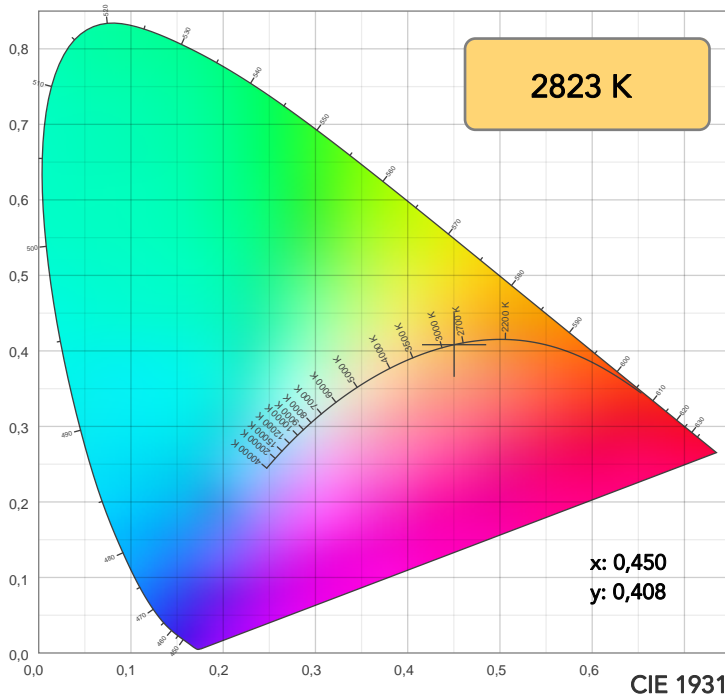


Beam angle 50%: 41,2°
Field angle 10%: 44,7°
Cut off angle 2.5%: 46,4°

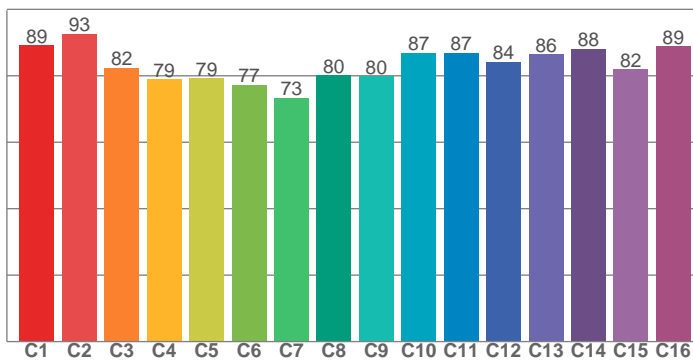
Spectra



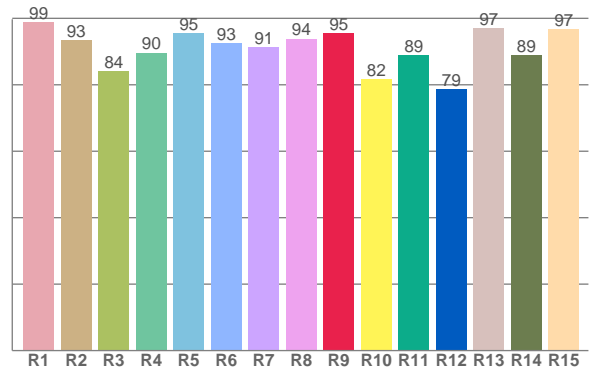
COLOR DETAILS



TM30: 84,0



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
98,8	93,4	84,0	89,6	95,5	92,6	91,3	93,8	95,4	81,6	88,9	78,7	96,9	89,0	96,8

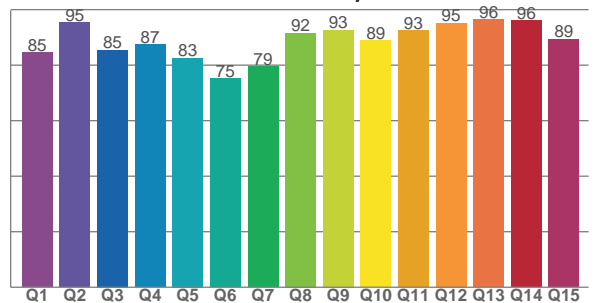
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,2	92,6	82,4	78,9	79,2	77,2	73,4	80,1	79,8	86,8	86,9	84,2	86,4	88,0	82,0	88,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
84,5	95,3	85,5	87,4	82,6	75,2	79,5	91,6	92,6	88,9	92,5	95,2	96,4	96,1	89,3

CQS: 86,9



COLOR PARAMETERS

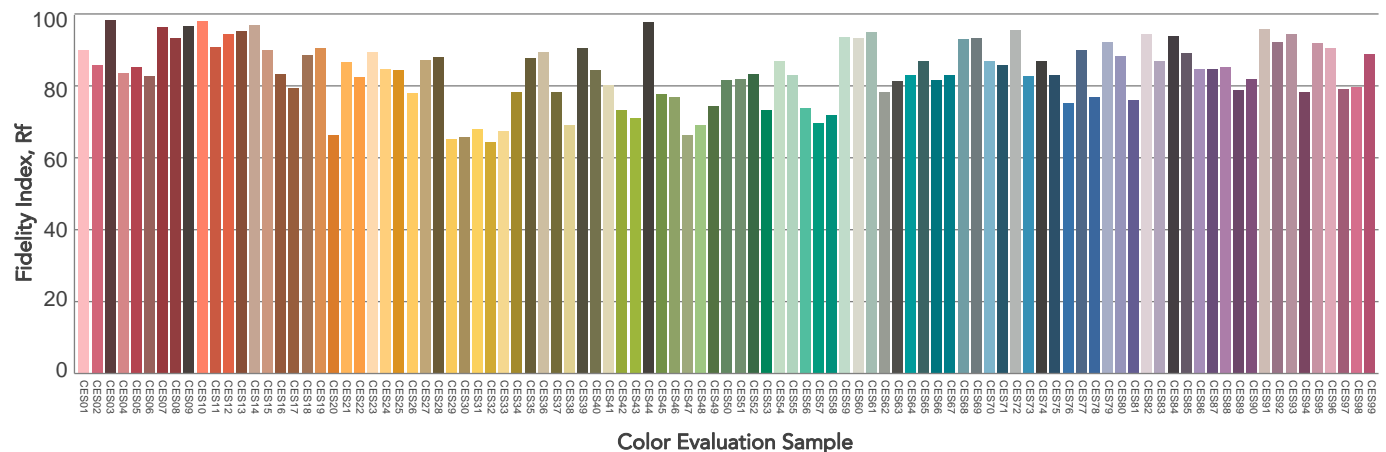
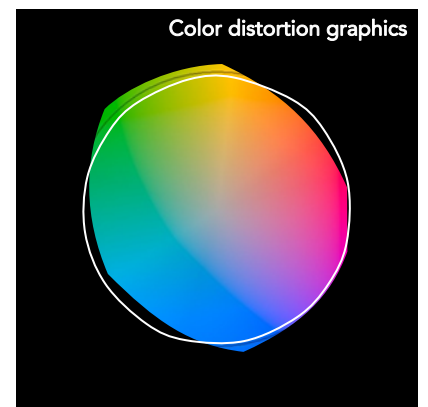
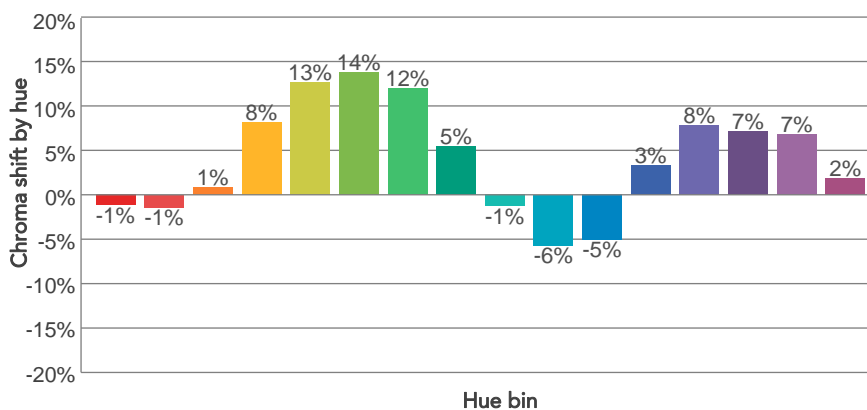
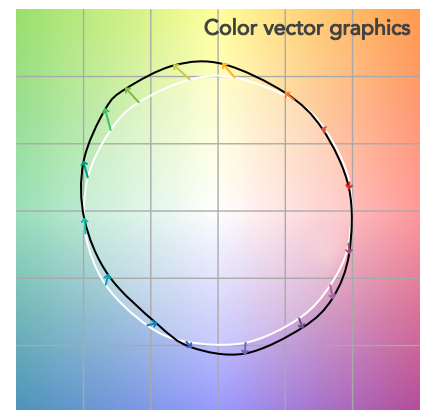
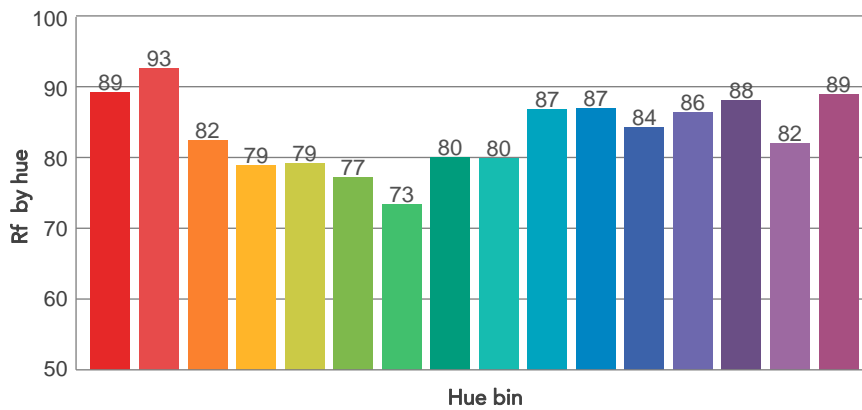
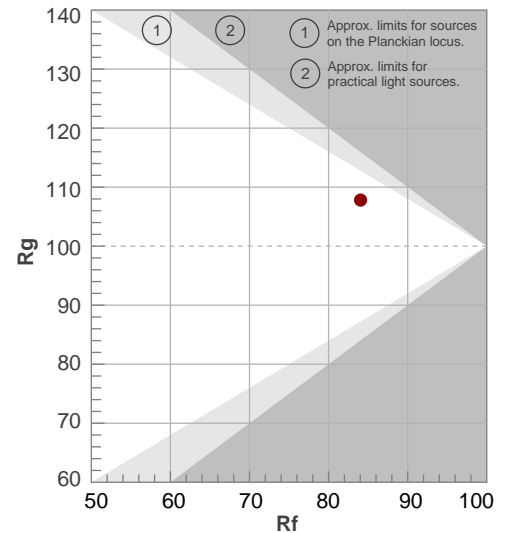
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2823 K	92,4	95,4	84,0	107,8	86,9	70	0,450	0,408	-0,0004

TM30 DETAILS

Rf 84,0
Fidelity index Rf

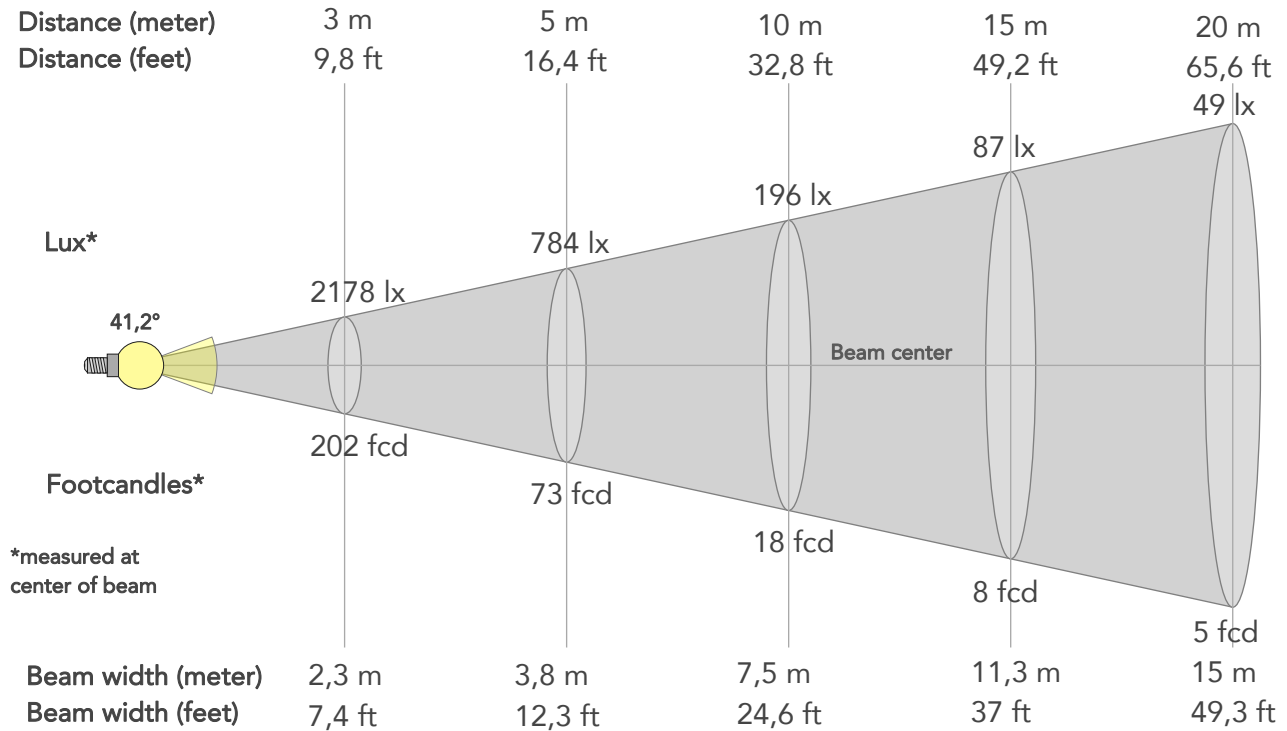
Rg 107,8
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	-1%	-4%
2	93	-1%	2%
3	82	1%	8%
4	79	8%	10%
5	79	13%	9%
6	77	14%	2%
7	73	12%	-11%
8	80	5%	-11%
9	80	-1%	-11%
10	87	-6%	-5%
11	87	-5%	5%
12	84	3%	4%
13	86	8%	-2%
14	88	7%	-2%
15	82	7%	-7%
16	89	2%	-6%



BEAM DETAILS

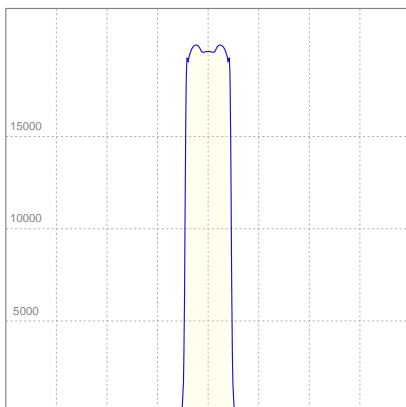
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
41,2°	44,7°	46,4°	99,8%	99,8%



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	19601lx	4900lx	2178lx	1225lx	784lx	348lx	196lx	87lx	49lx	31lx	22lx	12lx	8lx
Footcand.	1821fcd	455fcd	202fcd	114fcd	73fcd	32fcd	18fcd	8fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,5m	2,3m	3m	3,8m	5,6m	7,5m	11,3m	15m	18,8m	22,5m	30,1m	37,6m
Beam wid.	2,5ft	5ft	7,4ft	9,8ft	12,3ft	18,5ft	24,6ft	37ft	49,3ft	61,6ft	73,9ft	98,6ft	123,2ft

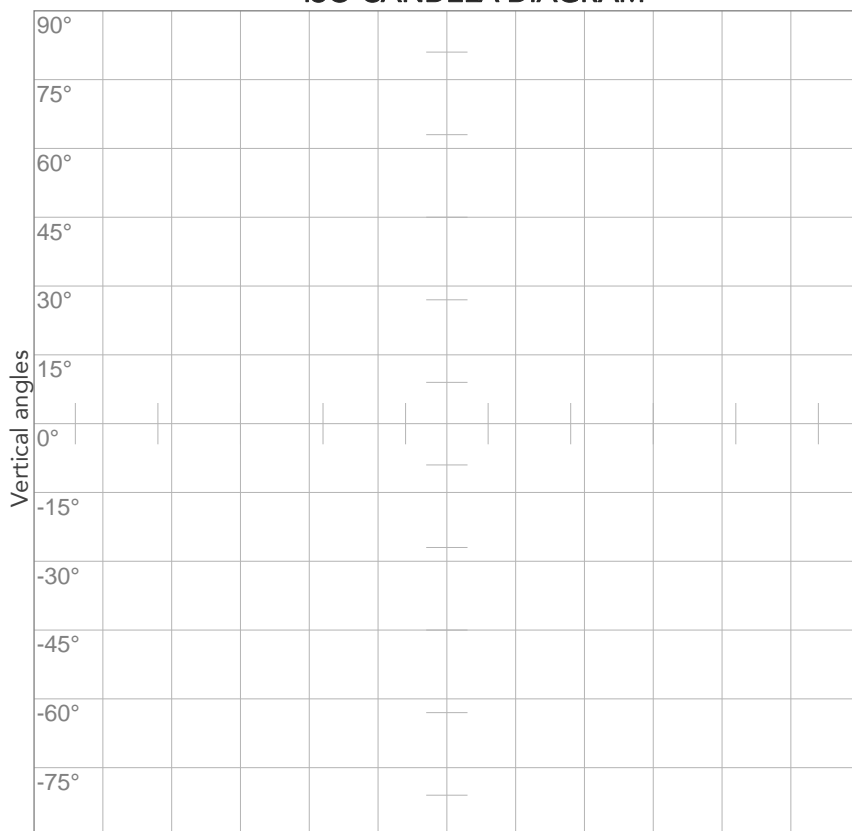
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,798A	167W	48lm/W

ISO CANDELA DIAGRAM



Horizontal angles

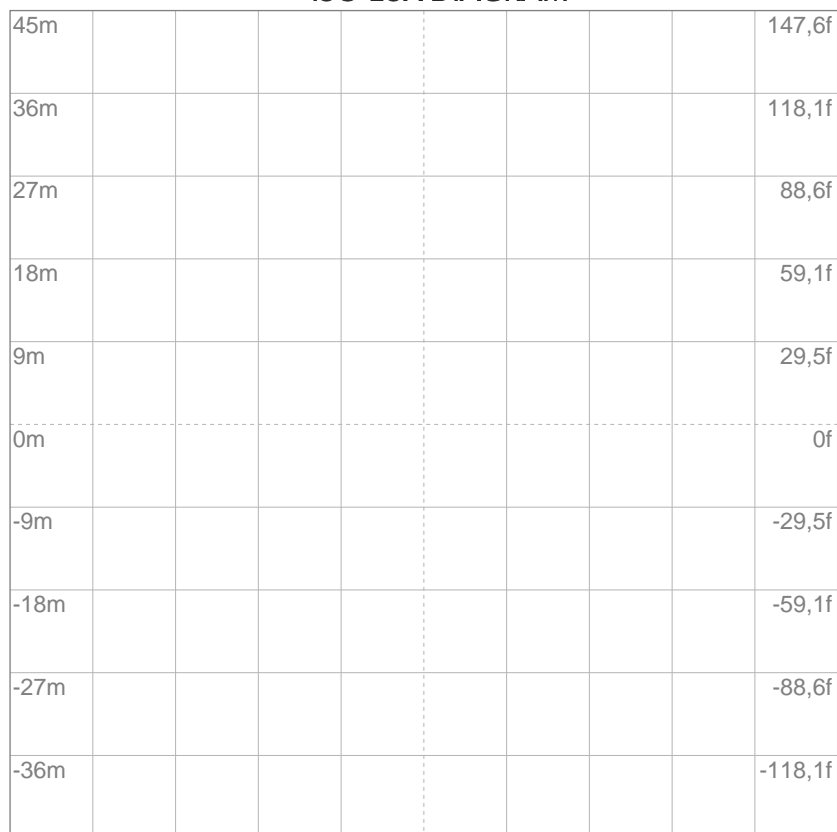
10%	1960 cd
20%	3920 cd
30%	5880 cd
40%	7840 cd
50%	9800 cd
60%	11761 cd
70%	13721 cd
80%	15681 cd

Conditions:

Number of c-planes: 2

Candela at center: 19601 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	5,88 lx
5%	9,80 lx
10%	19,6 lx
30%	58,8 lx
50%	98,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 196 lx

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



Total lumen output:

5308 lm

Peak candela output:

53294 cd

Light quality:

CRI: 91,6

Color temperature:

2810 K

PRODUCT NAME:
ECLCTPLUS

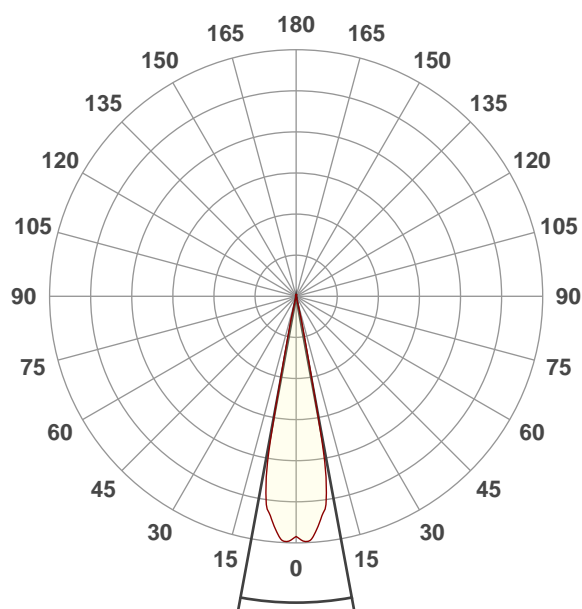
MEASURAMENT CONDITIONS:

Beam angle:
PRL25-50 Min Zoom

Target:
2800K HQ

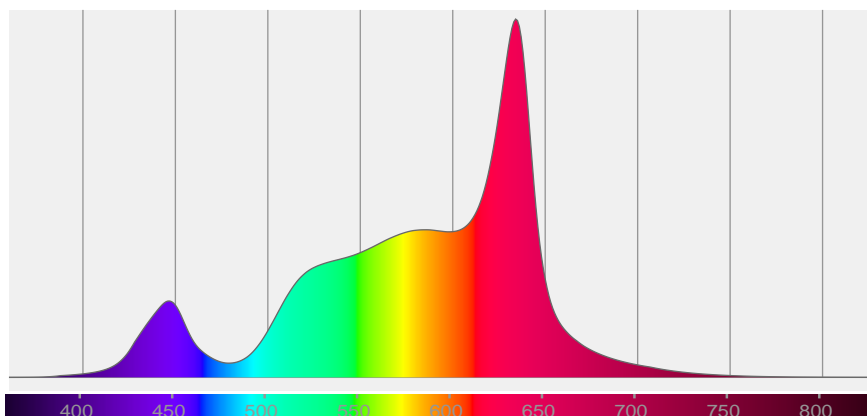
Operator:
Paolo Carvone

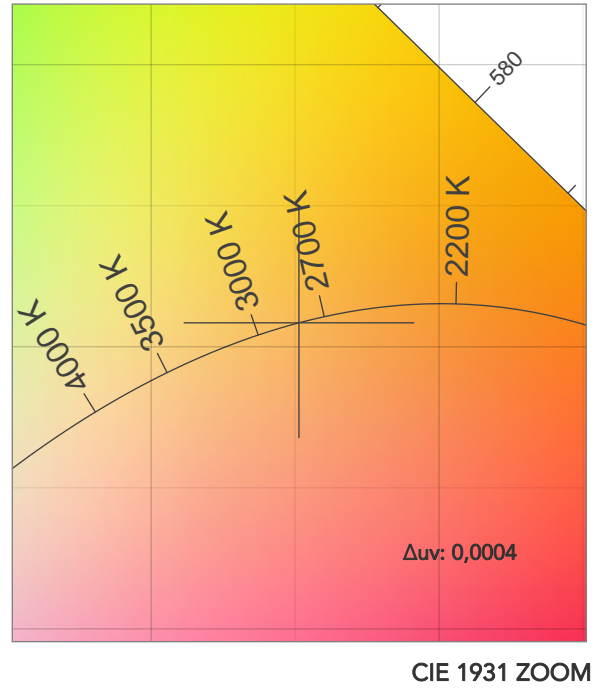
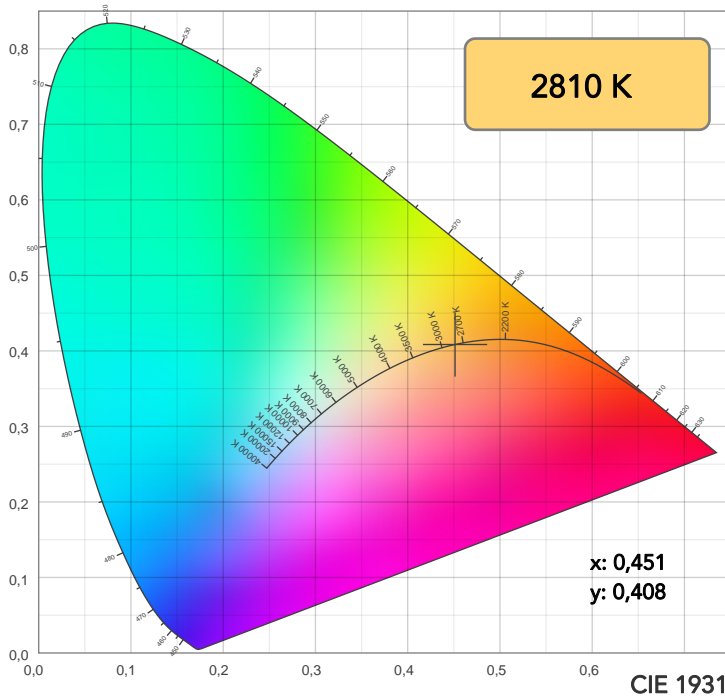
Date and time:
15/07/2020 10:37:04



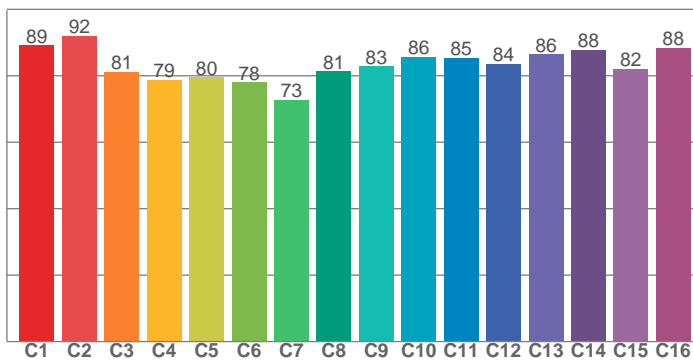
Beam angle 50%: 20,9°
Field angle 10%: 24,6°
Cut off angle 2.5%: 26,1°

Spectra

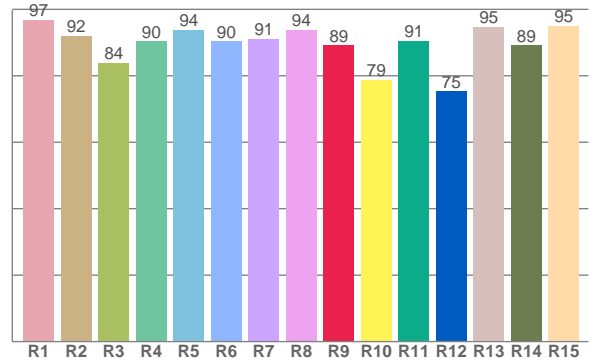




TM30: 83,9



CRI: 91,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,9	92,1	84,0	90,3	93,8	90,4	91,2	93,8	89,2	78,8	90,6	75,3	94,8	89,1	95,1

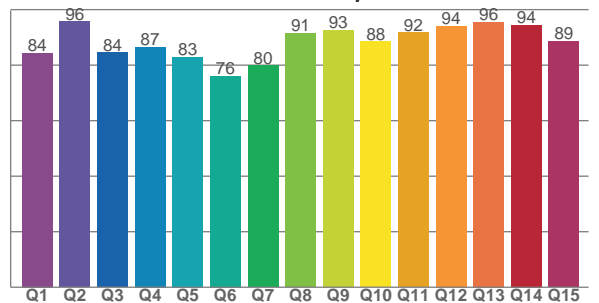
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,1	92,0	81,3	78,7	79,5	78,0	72,7	81,3	82,8	85,6	85,3	83,5	86,5	87,7	82,0	88,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
84,4	95,6	84,5	86,5	83,0	76,1	79,8	91,5	92,7	88,5	91,8	94,1	95,6	94,5	88,6

CQS: 86,8



COLOR PARAMETERS

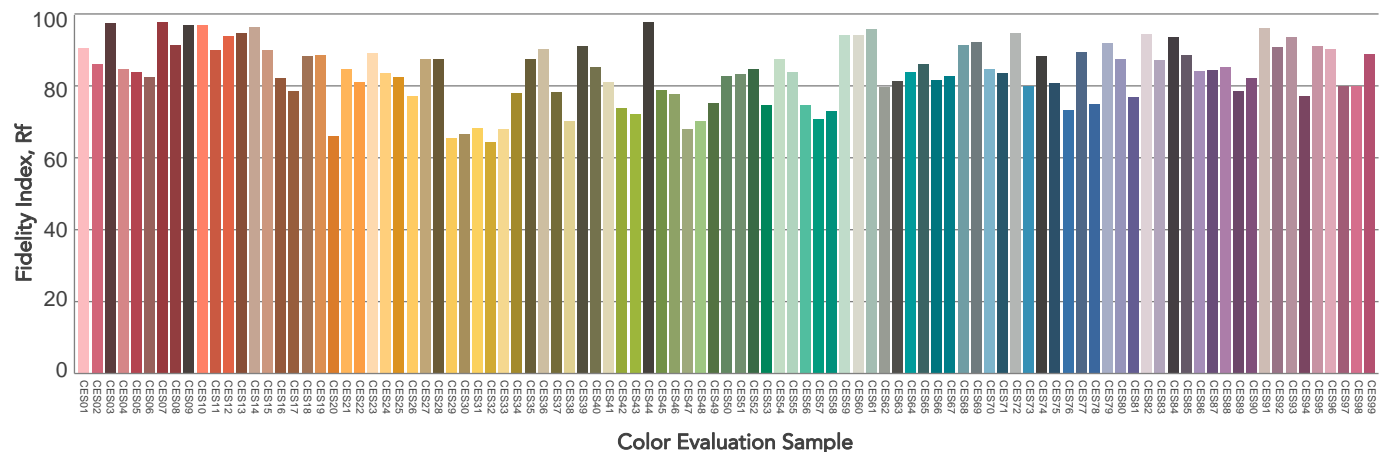
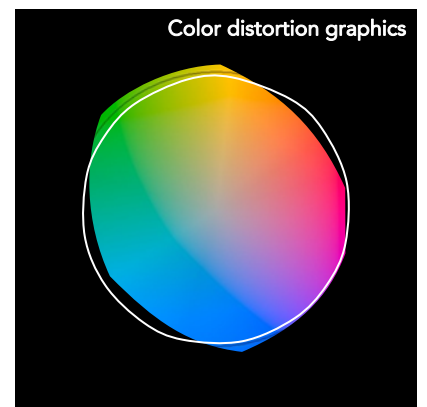
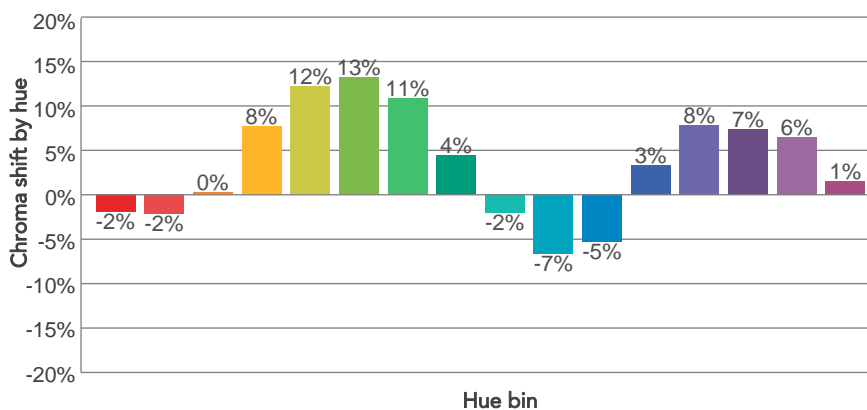
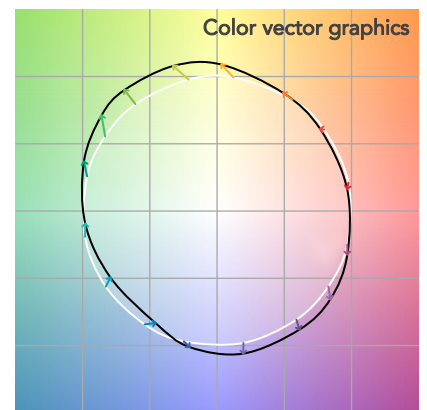
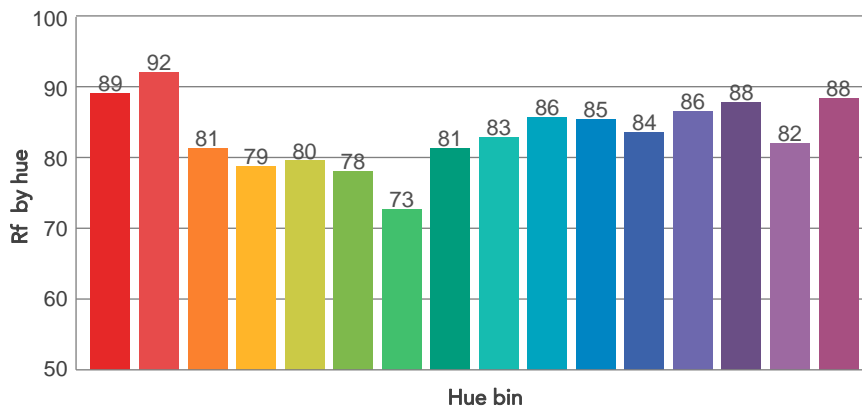
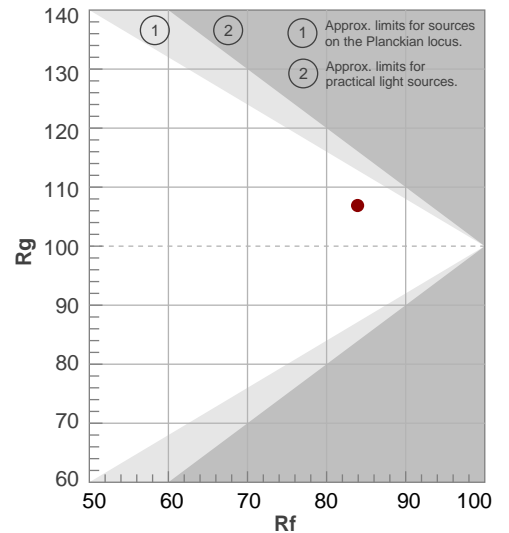
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2810 K	91,6	89,2	83,9	106,9	86,8	68	0,451	0,408	0,0004

TM30 DETAILS

Rf 83,9
Fidelity index Rf

Rg 106,9
Gammut index

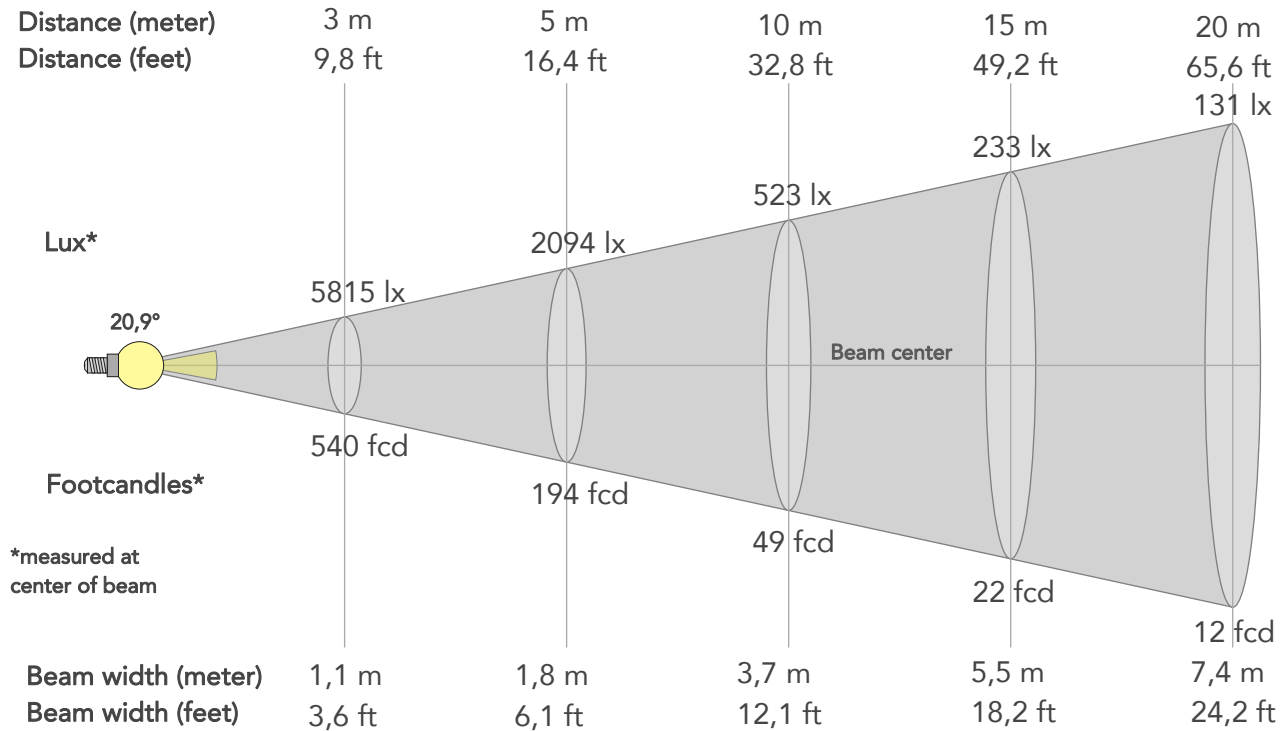
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	-2%	-4%
2	92	-2%	2%
3	81	0%	9%
4	79	8%	11%
5	80	12%	9%
6	78	13%	1%
7	73	11%	-11%
8	81	4%	-10%
9	83	-2%	-10%
10	86	-7%	-4%
11	85	-5%	6%
12	84	3%	5%
13	86	8%	-2%
14	88	7%	-2%
15	82	6%	-7%
16	88	1%	-7%



BEAM DETAILS



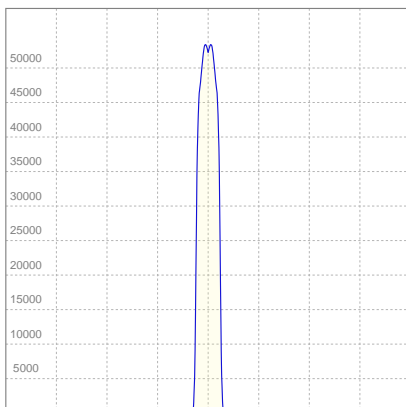
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,9°	24,6°	26,1°	100,0%	100,0%



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	52339lx	13085lx	5815lx	3271lx	2094lx	930lx	523lx	233lx	131lx	84lx	58lx	33lx	21lx
Footcand.	4862fcd	1216fcd	540fcd	304fcd	194fcd	86fcd	49fcd	22fcd	12fcd	8fcd	5fcd	3fcd	2fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,8m	2,8m	3,7m	5,5m	7,4m	9,2m	11,1m	14,8m	18,5m
Beam wid.	1,2ft	2,4ft	3,6ft	4,8ft	6,1ft	9,1ft	12,1ft	18,2ft	24,2ft	30,3ft	36,4ft	48,5ft	60,6ft

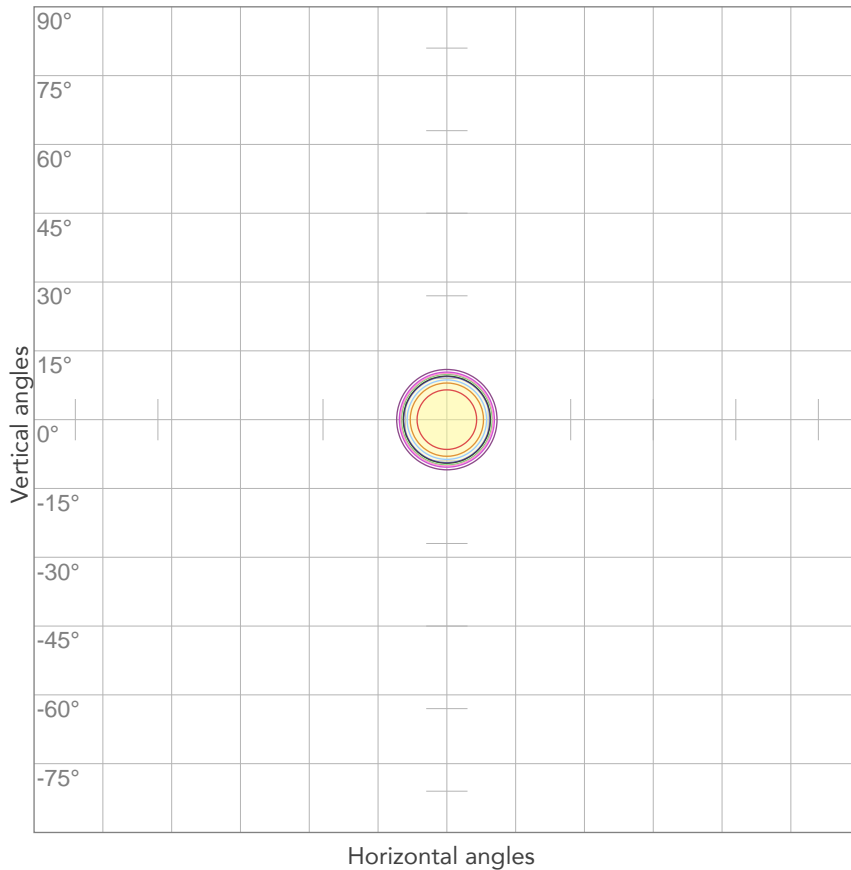
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,797A	167W	32lm/W

ISO CANDELA DIAGRAM



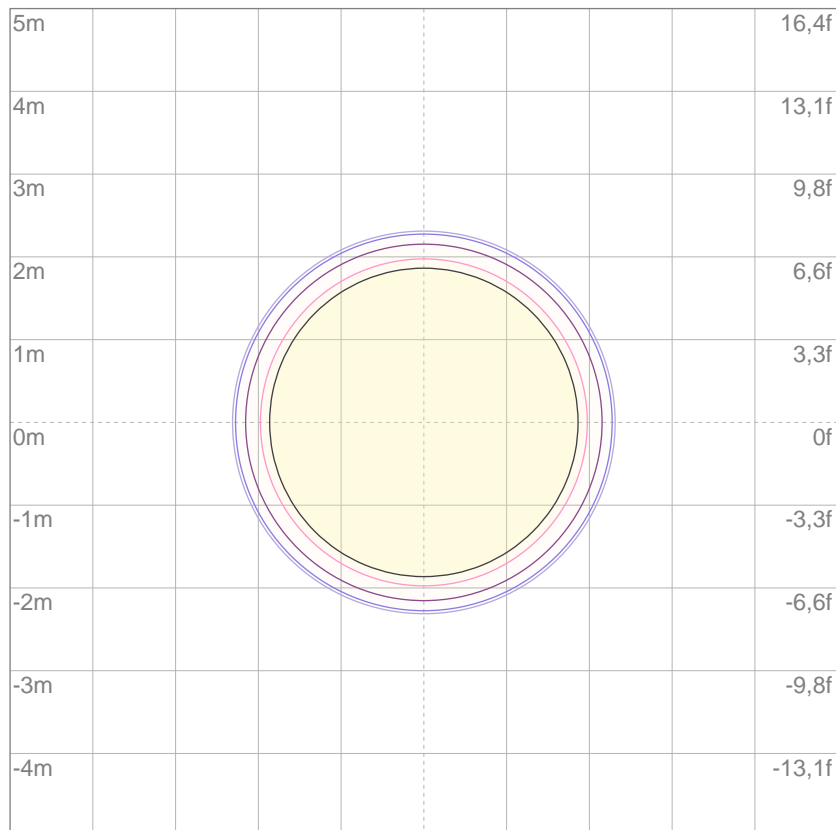
10%	5234 cd
20%	10468 cd
30%	15702 cd
40%	20935 cd
50%	26169 cd
60%	31403 cd
70%	36637 cd
80%	41871 cd

Conditions:

Number of c-planes: 2

Candela at center: 52339 cd

ISO LUX DIAGRAM



3%	15,7 lx
5%	26,2 lx
10%	52,3 lx
30%	157 lx
50%	262 lx

Conditions:

Number of c-planes: 2

Lux at center: 523 lx

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



Total lumen output:

8306 lm

Peak candela output:

20712 cd

Light quality:

CRI: 93,7

Color temperature:

3218 K

PRODUCT NAME:
ECLCTPLUS

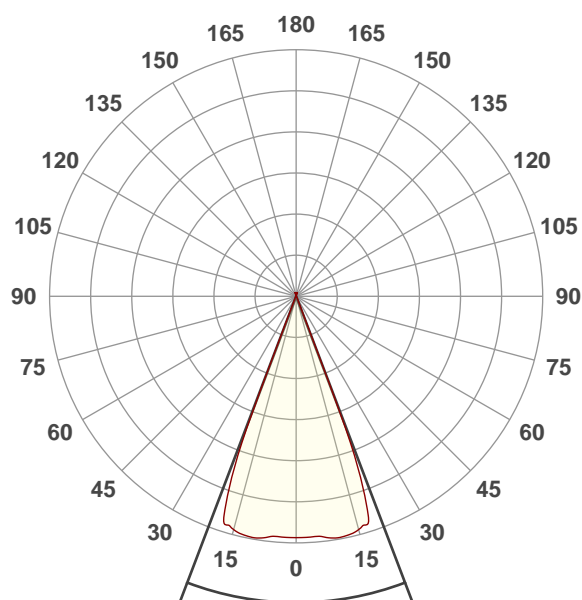
MEASURAMENT CONDITIONS:

Beam angle:
PRL25-50 Max Zoom

Target:
3200K HQ

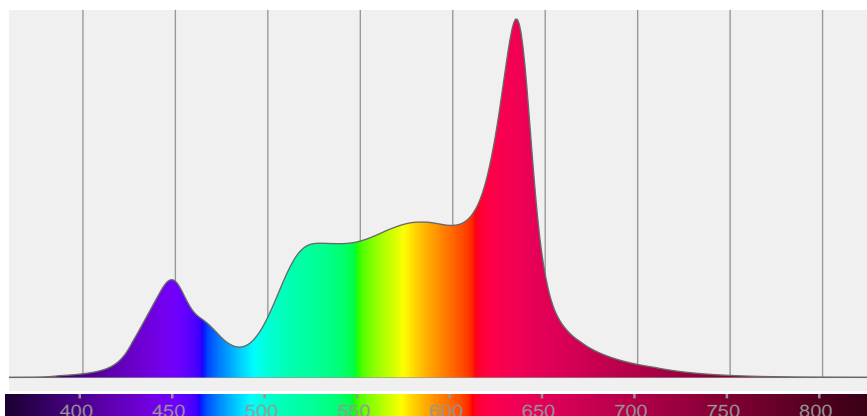
Operator:
Paolo Carvone

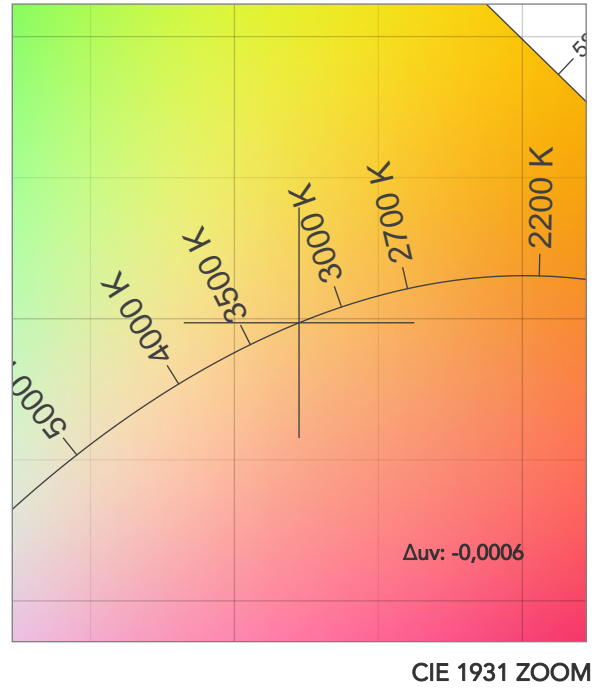
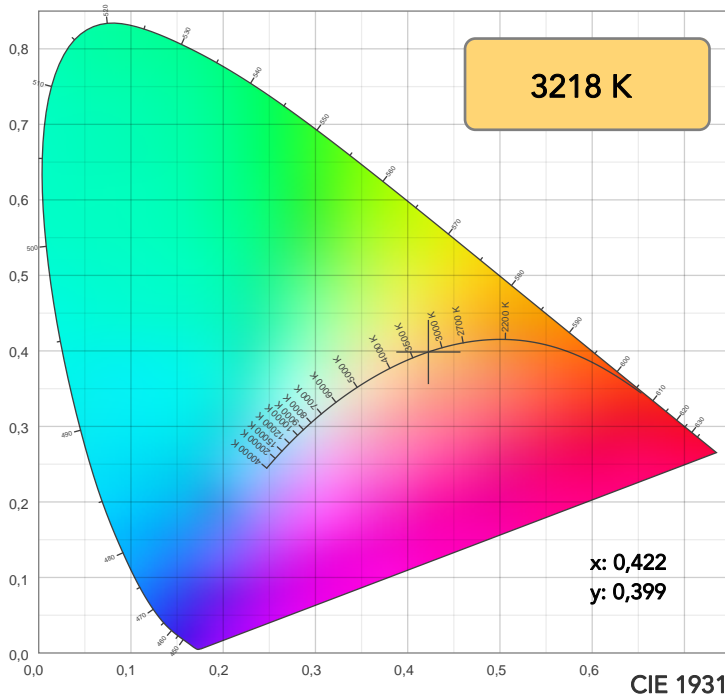
Date and time:
15/07/2020 11:30:12



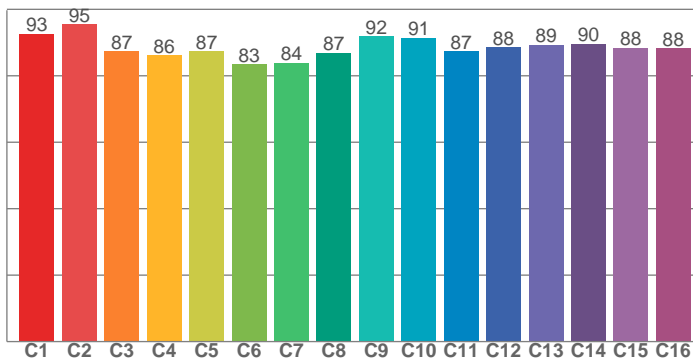
Beam angle 50%: 41,6°
Field angle 10%: 44,5°
Cut off angle 2.5%: 46,5°

Spectra

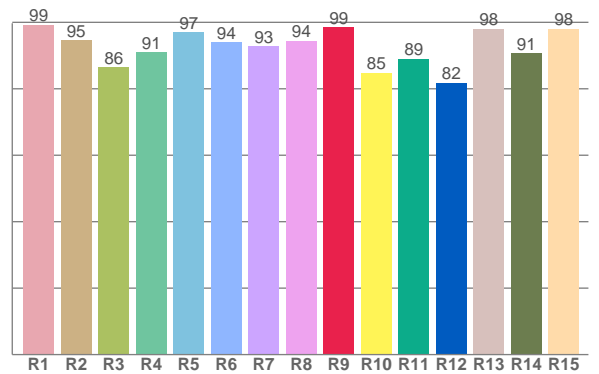




TM30: 89,0



CRI: 93,7 (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
99,3	94,5	86,4	90,9	97,1	93,9	92,8	94,5	98,6	84,8	89,1	81,8	98,0	90,7	98,1

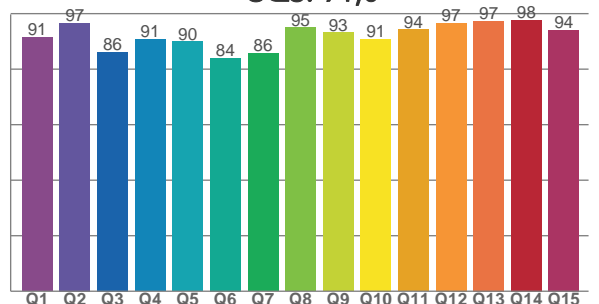
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,7	95,4	87,3	86,2	87,3	83,4	84,0	86,9	91,8	91,4	87,3	88,5	89,3	89,6	88,4	88,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91,5	96,7	86,2	90,8	89,9	84,0	85,7	95,0	93,2	90,8	94,3	96,7	97,4	97,7	94,2

CQS: 91,0



COLOR PARAMETERS

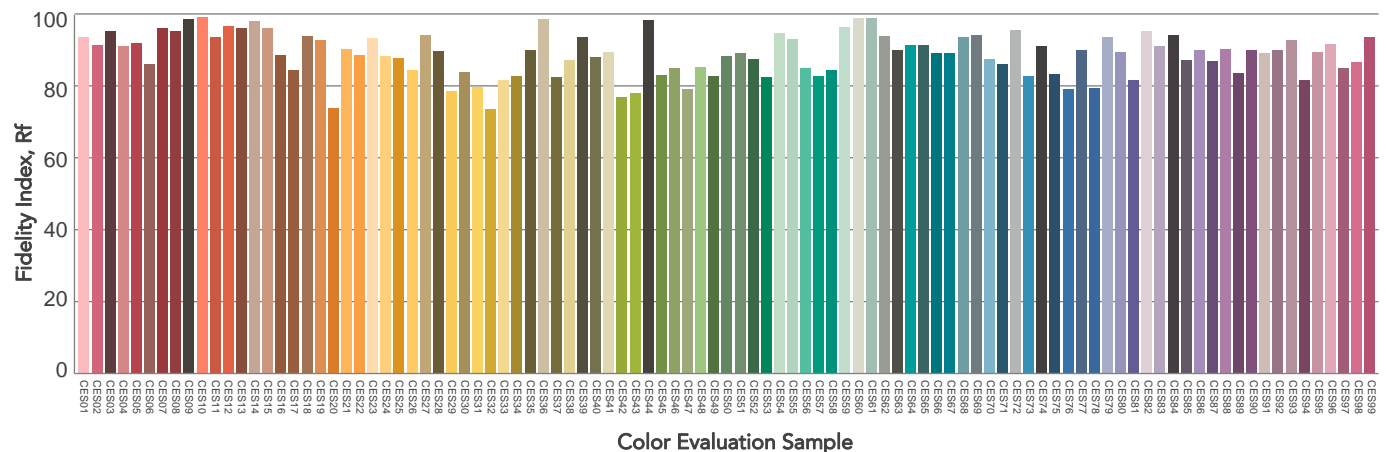
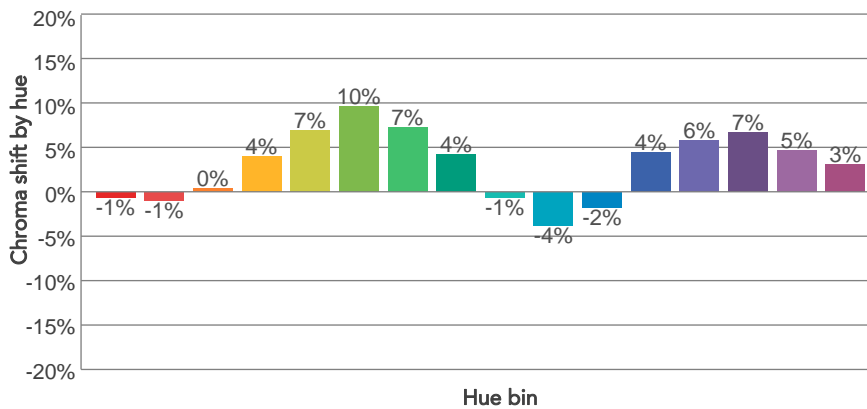
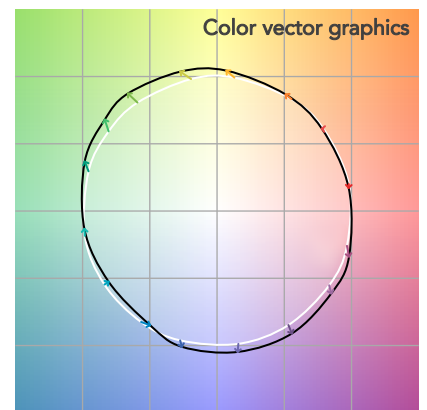
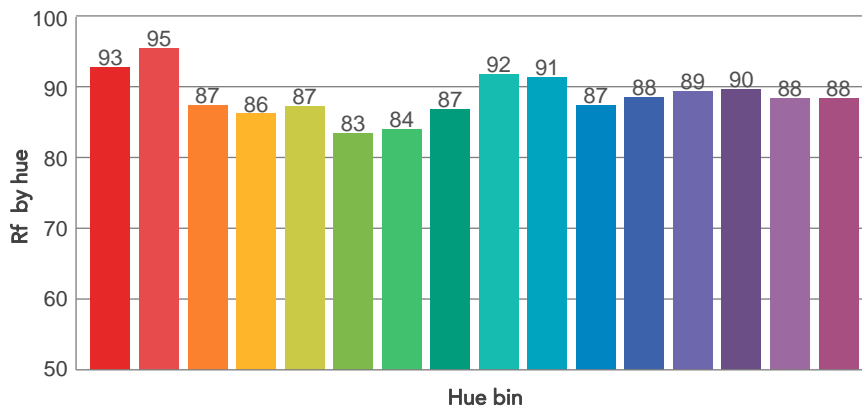
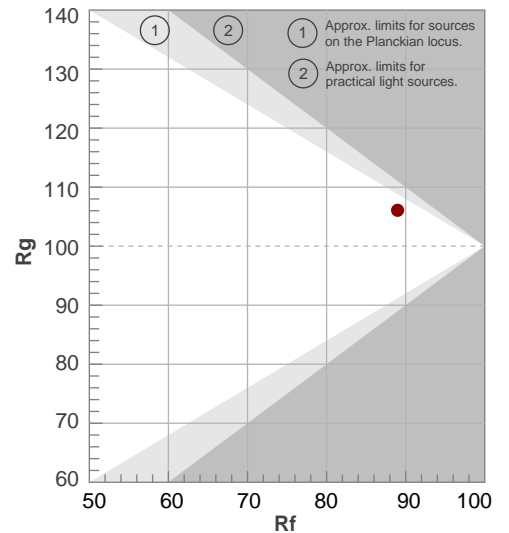
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3218 K	93,7	98,6	89,0	106,1	91,0	84	0,422	0,399	-0,0006

TM30 DETAILS

Rf 89,0
Fidelity index Rf

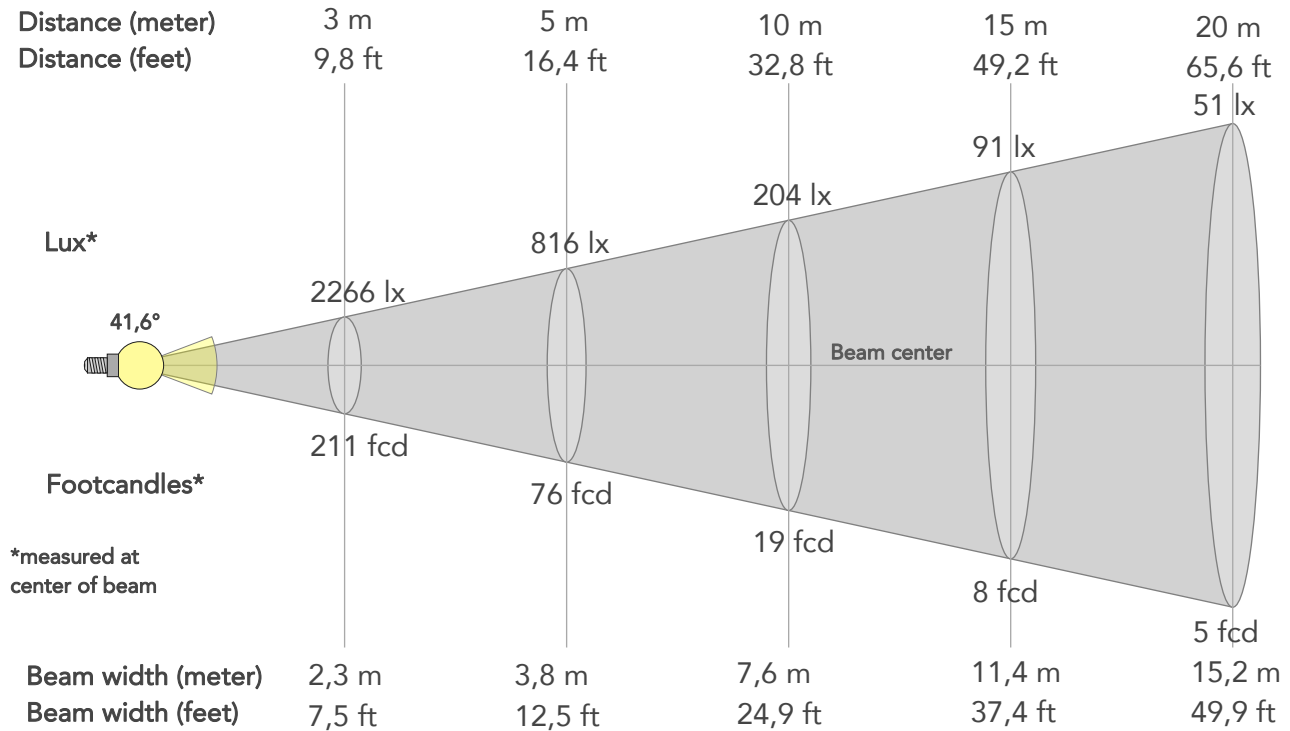
Rg 106,1
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-1%	-3%
2	95	-1%	1%
3	87	0%	6%
4	86	4%	7%
5	87	7%	7%
6	83	10%	2%
7	84	7%	-6%
8	87	4%	-6%
9	92	-1%	-5%
10	91	-4%	0%
11	87	-2%	7%
12	88	4%	2%
13	89	6%	-2%
14	90	7%	-1%
15	88	5%	-4%
16	88	3%	-8%



BEAM DETAILS

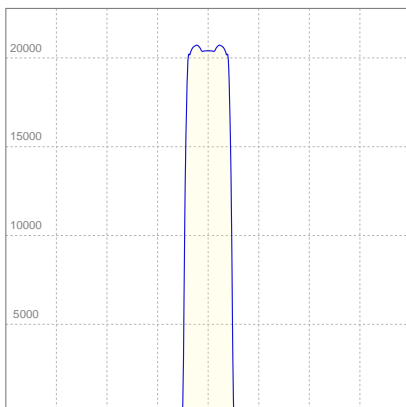
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
41,6°	44,5°	46,5°	99,8%	99,8%



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	20398lx	5099lx	2266lx	1275lx	816lx	363lx	204lx	91lx	51lx	33lx	23lx	13lx	8lx
Footcand.	1895fcd	474fcd	211fcd	118fcd	76fcd	34fcd	19fcd	8fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,5m	2,3m	3m	3,8m	5,7m	7,6m	11,4m	15,2m	19m	22,8m	30,4m	38m
Beam wid.	2,5ft	5ft	7,5ft	10ft	12,5ft	18,7ft	24,9ft	37,4ft	49,9ft	62,4ft	74,8ft	99,8ft	124,7ft

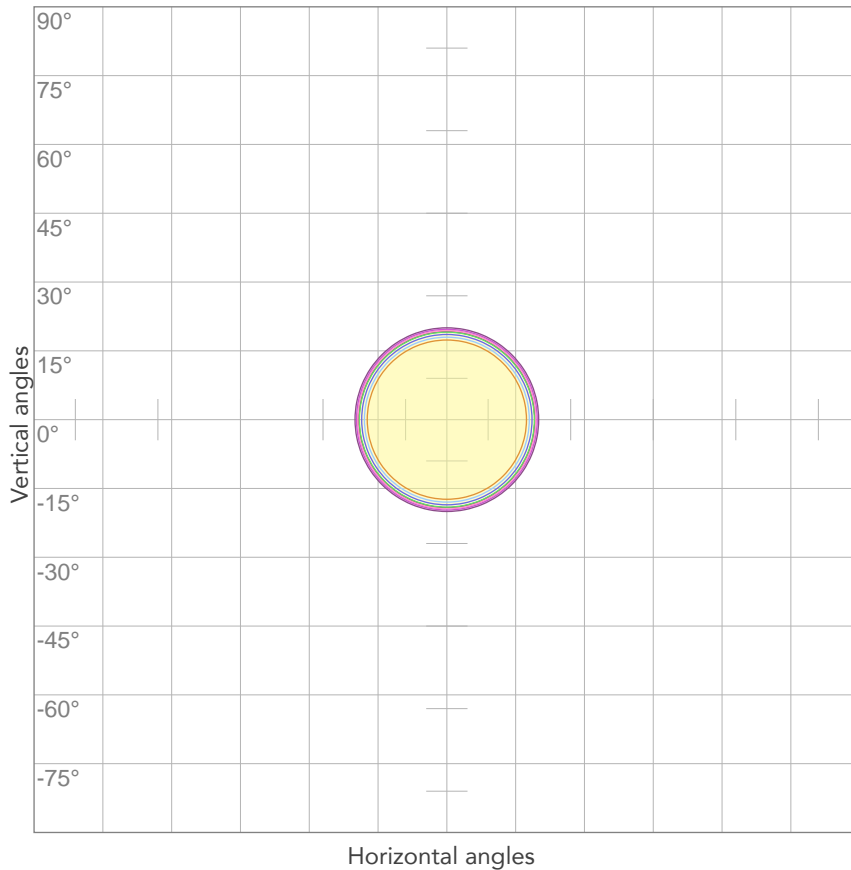
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,845A	177,9W	47lm/W

ISO CANDELA DIAGRAM



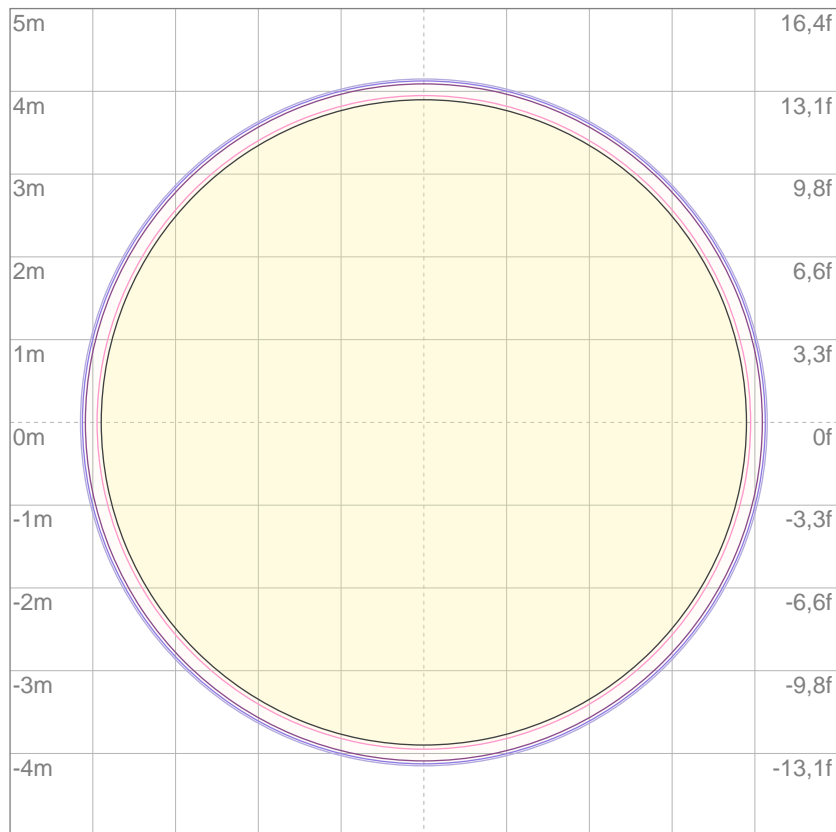
10%	2040 cd
20%	4080 cd
30%	6119 cd
40%	8159 cd
50%	10199 cd
60%	12239 cd
70%	14278 cd
80%	16318 cd

Conditions:

Number of c-planes: 2

Candela at center: 20398 cd

ISO LUX DIAGRAM



3%	6,12 lx
5%	10,2 lx
10%	20,4 lx
30%	61,2 lx
50%	102 lx

Conditions:

Number of c-planes: 2

Lux at center: 204 lx

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



Total lumen output:

5531 lm

Peak candela output:

55445 cd

Light quality:

CRI: 92,9

Color temperature:

3204 K

PRODUCT NAME:
ECLCTPLUS

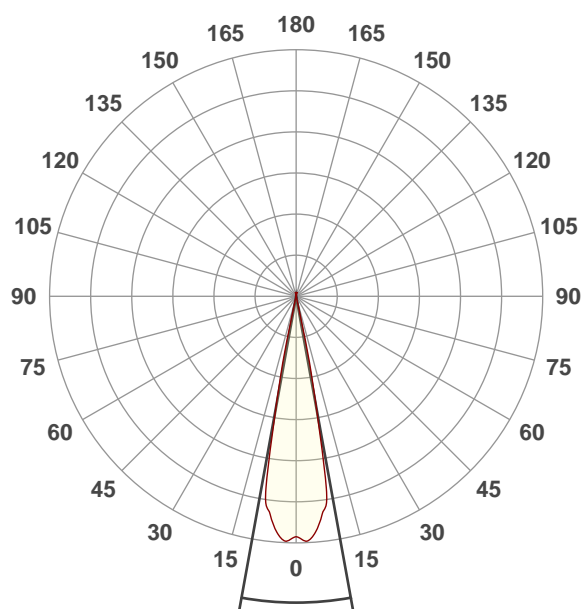
MEASURAMENT CONDITIONS:

Beam angle:
PRL25-50 Min Zoom

Target:
3200K HQ

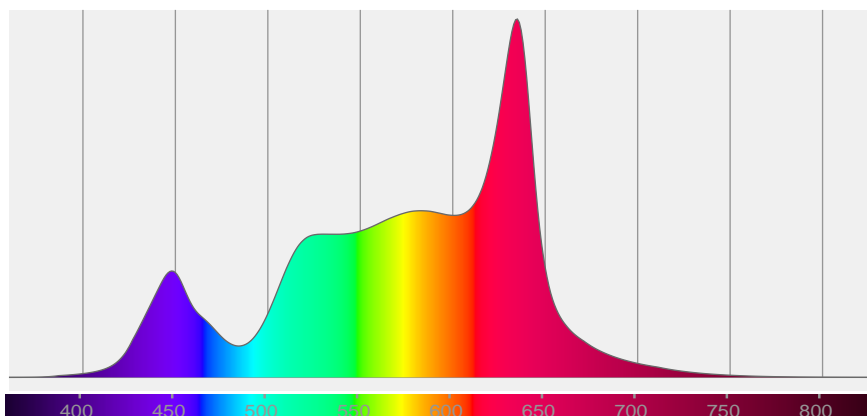
Operator:
Paolo Carvone

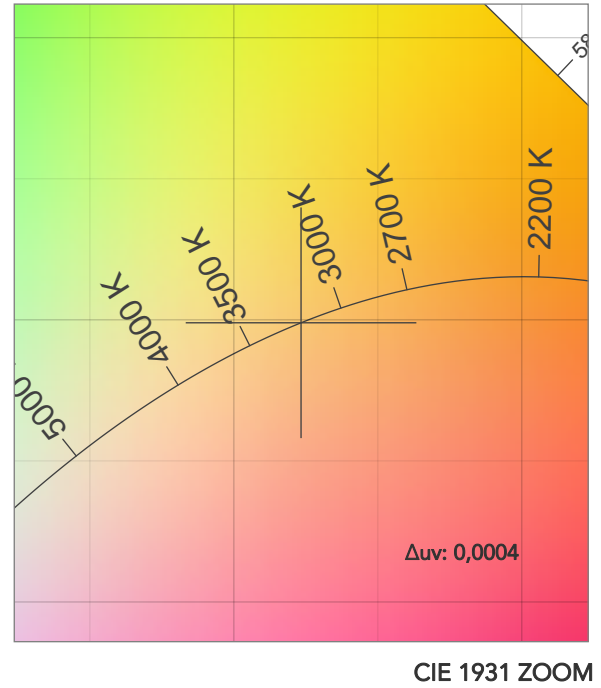
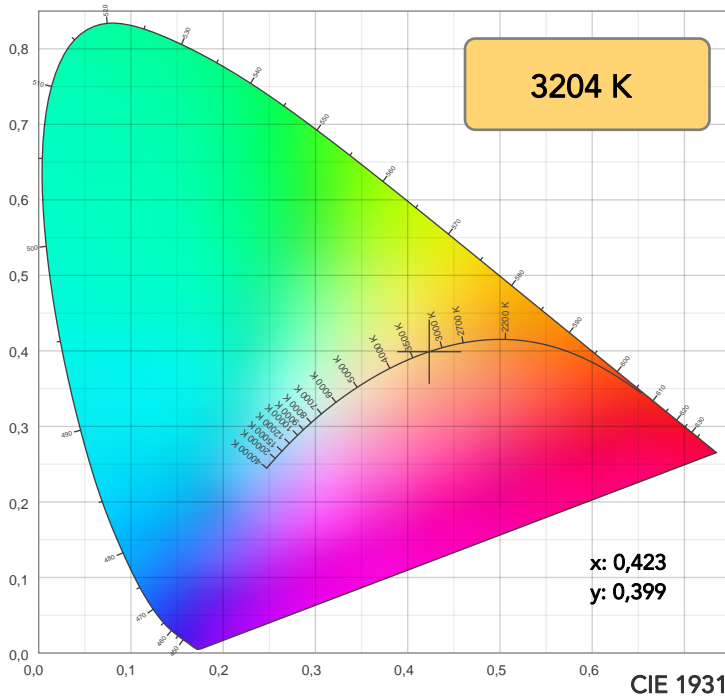
Date and time:
15/07/2020 10:39:21



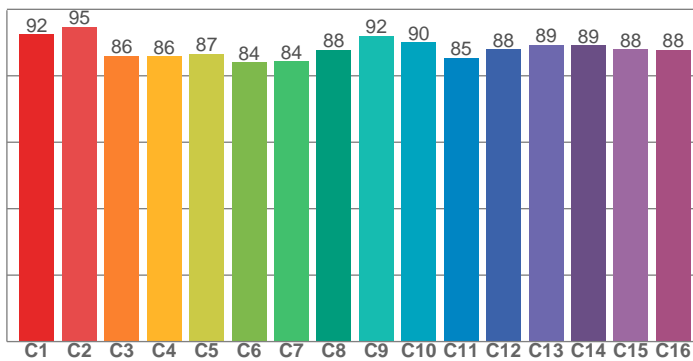
Beam angle 50%: 20,5°
Field angle 10%: 25,2°
Cut off angle 2.5%: 26,2°

Spectra

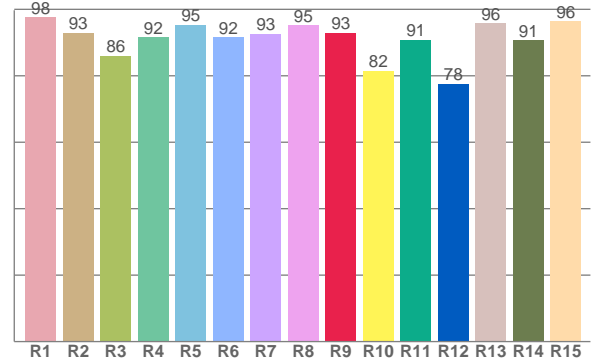




TM30: 88,5



CRI: 92,9 (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
97,7	93,0	86,0	91,7	95,4	91,6	92,7	95,1	93,0	81,5	90,8	77,6	95,8	90,6	96,3

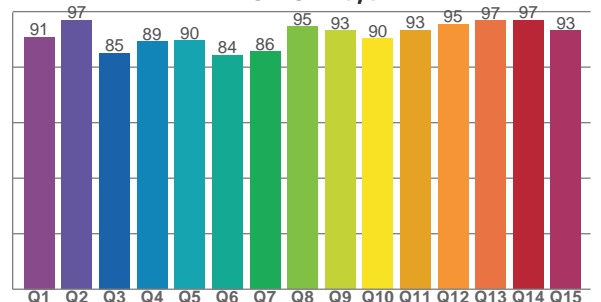
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,5	94,7	86,1	85,9	86,7	84,0	84,3	87,7	92,0	90,1	85,4	88,0	89,3	89,2	87,9	87,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90,9	96,9	85,2	89,2	89,6	84,4	85,6	94,6	93,1	90,2	93,4	95,4	96,8	96,9	93,2

CQS: 90,6



COLOR PARAMETERS

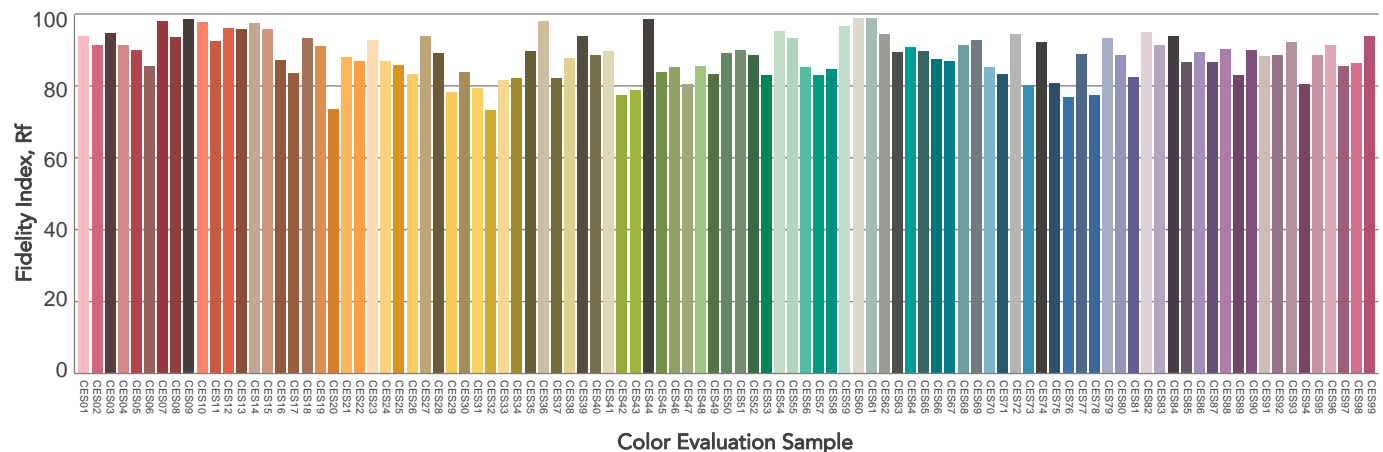
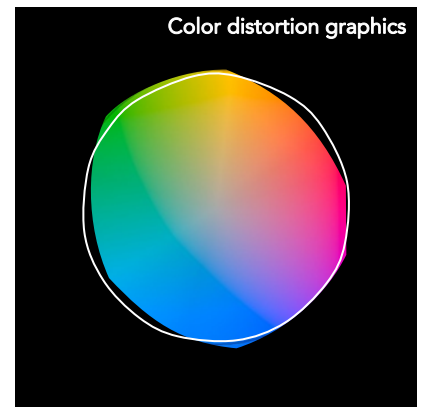
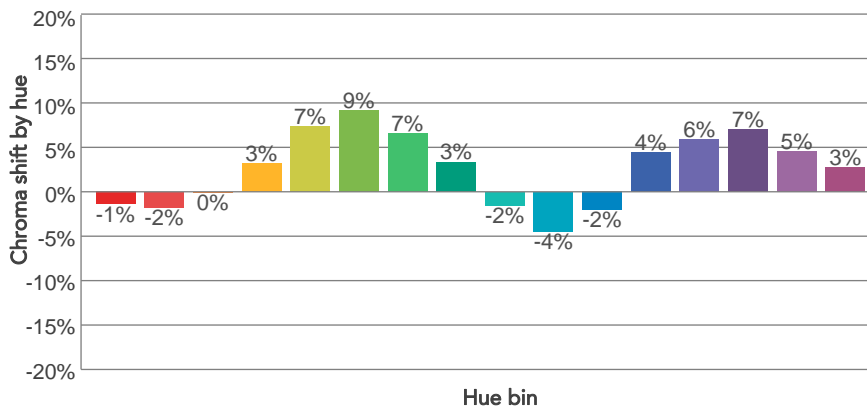
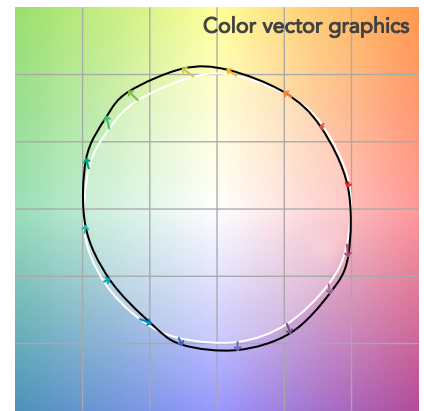
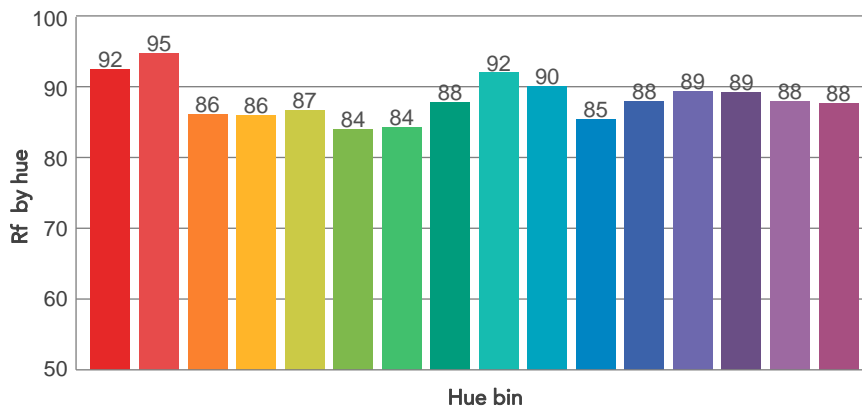
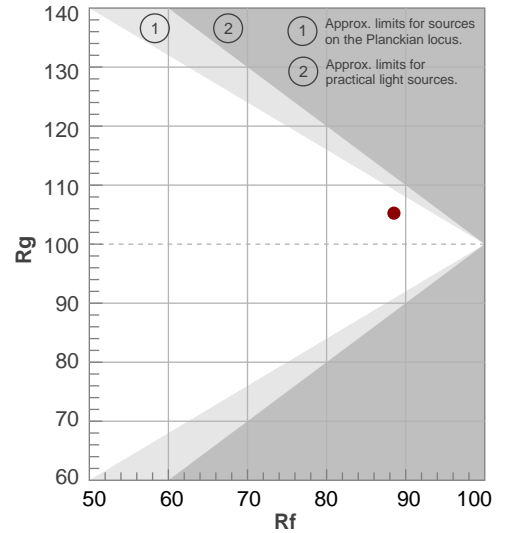
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3204 K	92,9	93,0	88,5	105,3	90,6	82	0,423	0,399	0,0004

TM30 DETAILS

Rf 88,5
Fidelity index Rf

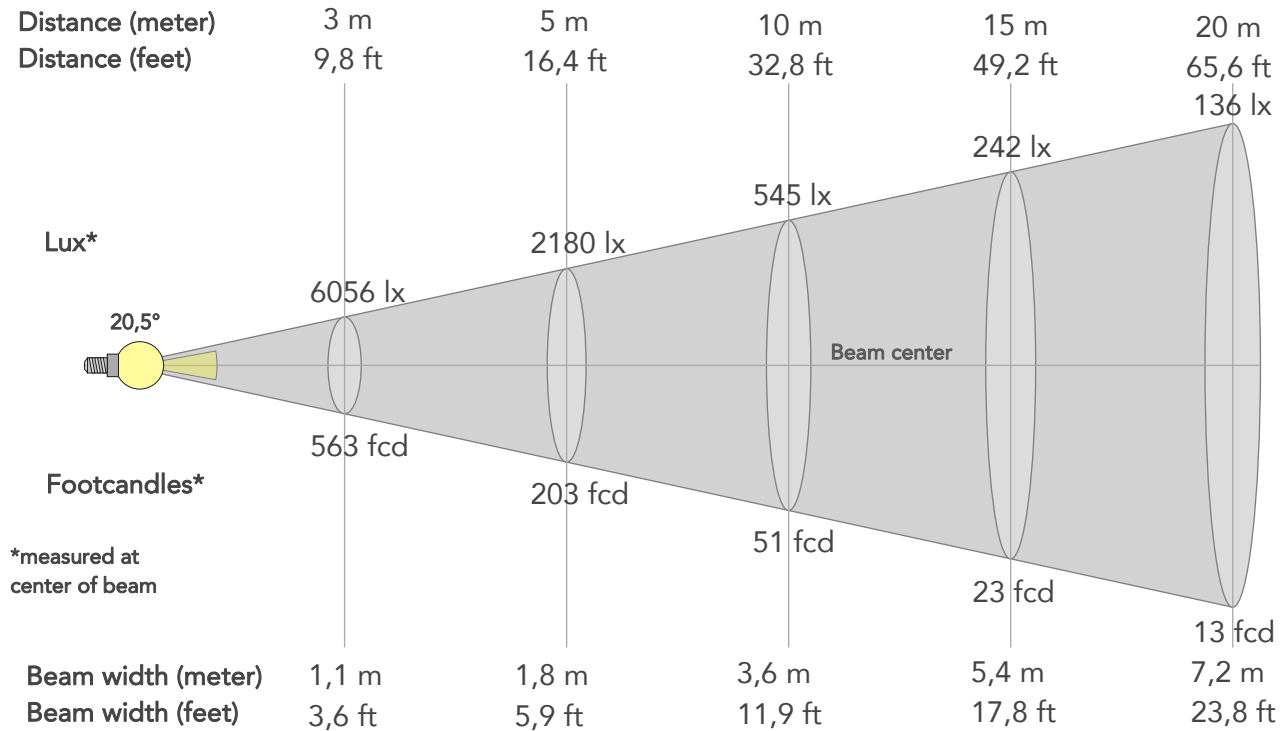
Rg 105,3
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	92	-1%	-3%
2	95	-2%	1%
3	86	0%	6%
4	86	3%	7%
5	87	7%	7%
6	84	9%	2%
7	84	7%	-6%
8	88	3%	-6%
9	92	-2%	-5%
10	90	-4%	1%
11	85	-2%	8%
12	88	4%	3%
13	89	6%	-1%
14	89	7%	-2%
15	88	5%	-5%
16	88	3%	-8%



BEAM DETAILS

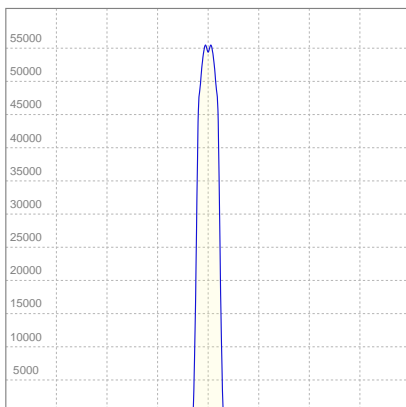
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,5°	25,2°	26,2°	100,0%	100,0%



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	54504lx	13626lx	6056lx	3407lx	2180lx	969lx	545lx	242lx	136lx	87lx	61lx	34lx	22lx
Footcand.	5064fcd	1266fcd	563fcd	316fcd	203fcd	90fcd	51fcd	23fcd	13fcd	8fcd	6fcd	3fcd	2fcd
Beam wid.	0,4m	0,7m	1,1m	1,4m	1,8m	2,7m	3,6m	5,4m	7,2m	9,1m	10,9m	14,5m	18,1m
Beam wid.	1,2ft	2,4ft	3,6ft	4,7ft	5,9ft	8,9ft	11,9ft	17,8ft	23,8ft	29,7ft	35,7ft	47,6ft	59,4ft

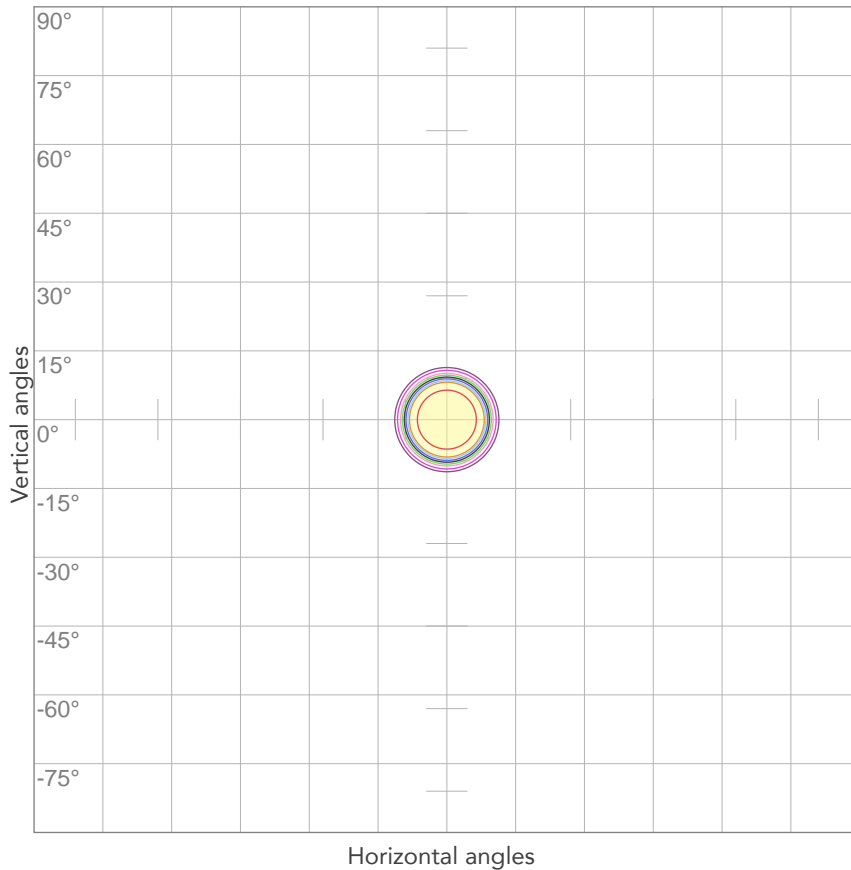
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,848A	178,9W	31lm/W

ISO CANDELA DIAGRAM



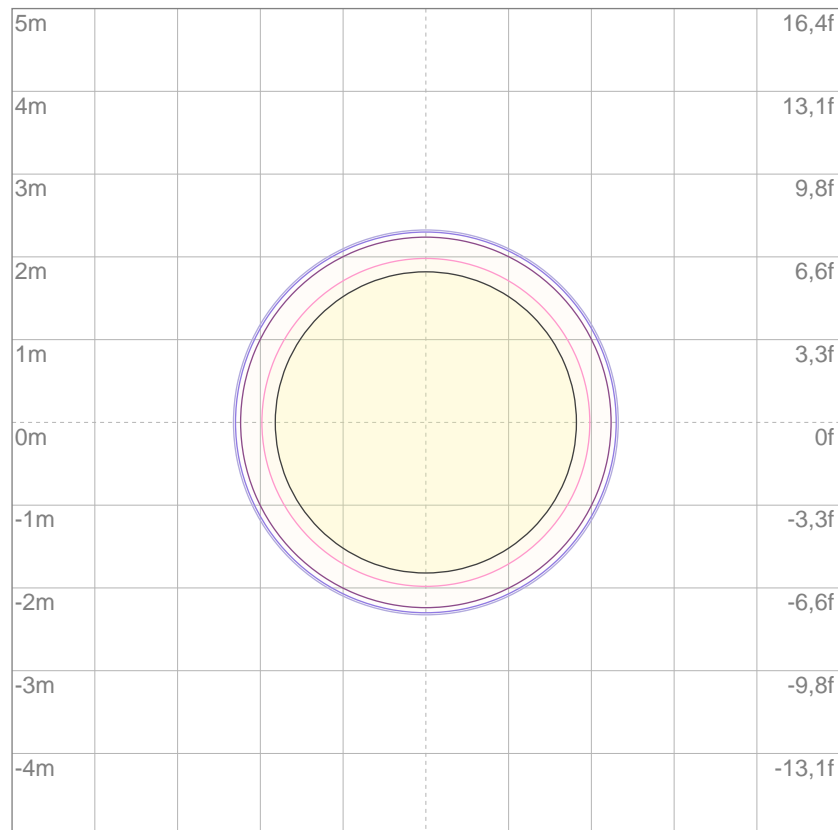
10%	5450 cd
20%	10901 cd
30%	16351 cd
40%	21802 cd
50%	27252 cd
60%	32703 cd
70%	38153 cd
80%	43603 cd

Conditions:

Number of c-planes: 2

Candela at center: 54504 cd

ISO LUX DIAGRAM



3%	16,4 lx
5%	27,3 lx
10%	54,5 lx
30%	164 lx
50%	273 lx

Conditions:

Number of c-planes: 2

Lux at center: 545 lx

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



Total lumen output:

8680 lm

Peak candela output:

21673 cd

Light quality:

CRI: 96,0

Color temperature:

4038 K

PRODUCT NAME:
ECLCTPLUS

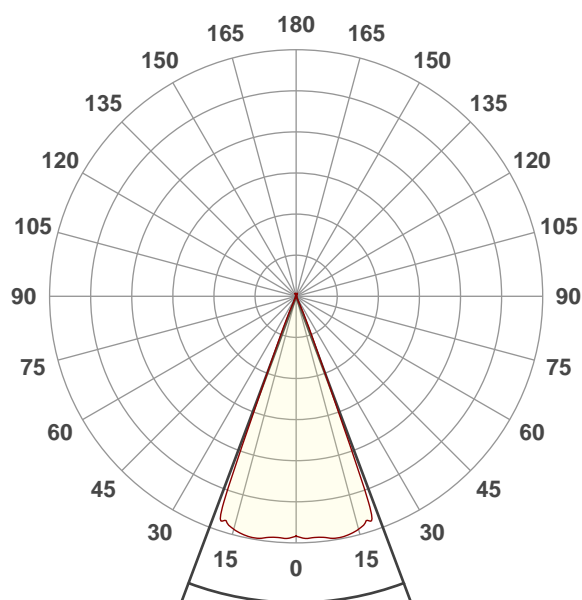
MEASURAMENT CONDITIONS:

Beam angle:
PRL25-50 Max Zoom

Target:
4000K HQ

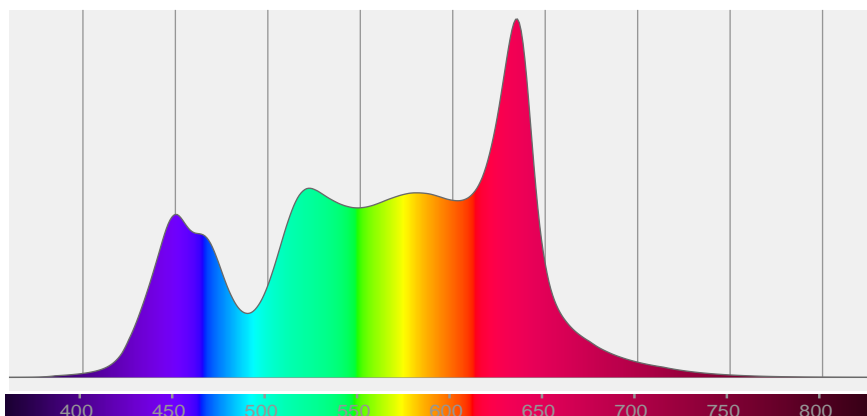
Operator:
Paolo Carvone

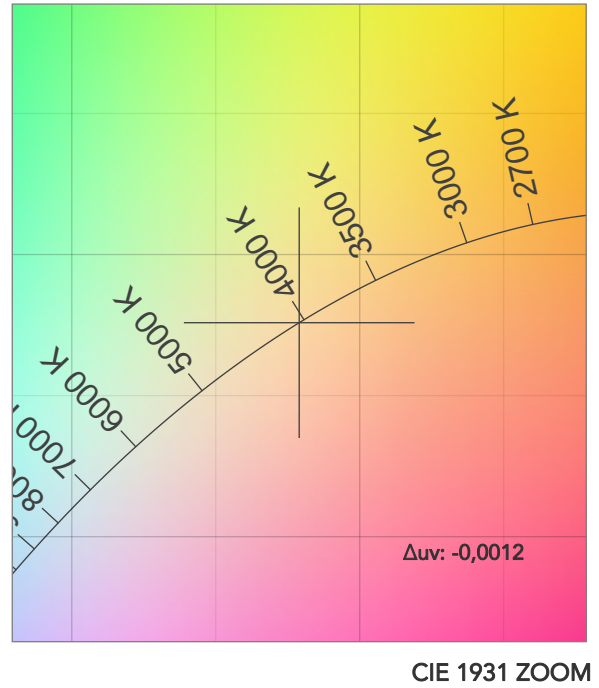
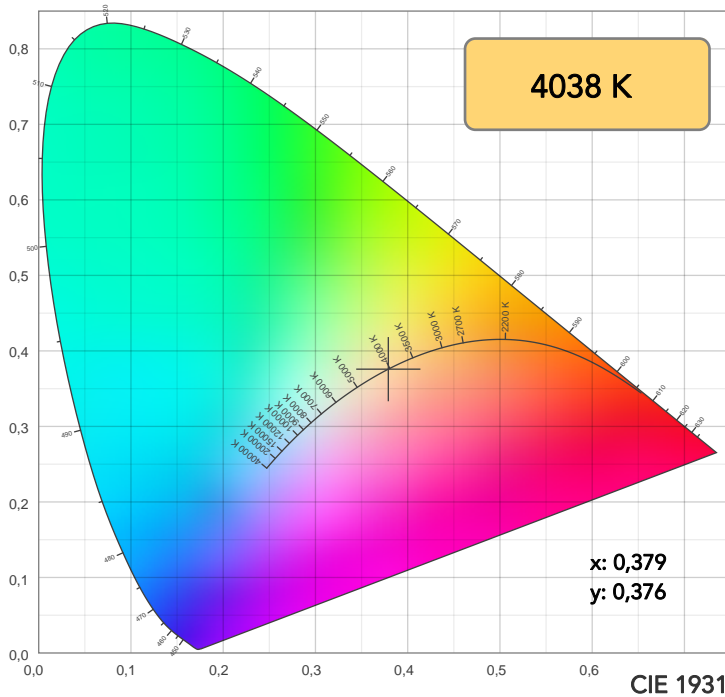
Date and time:
15/07/2020 11:32:00



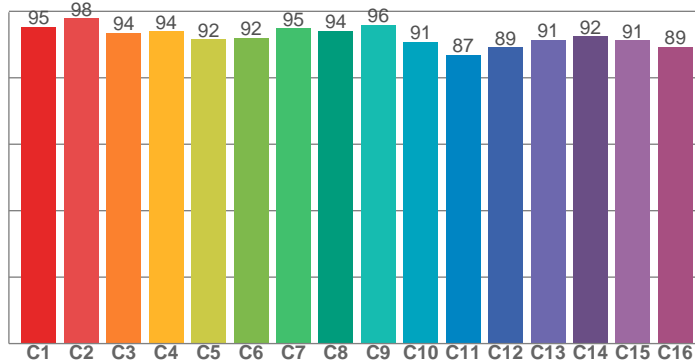
Beam angle 50%: 41,1°
Field angle 10%: 45,1°
Cut off angle 2.5%: 46,8°

Spectra

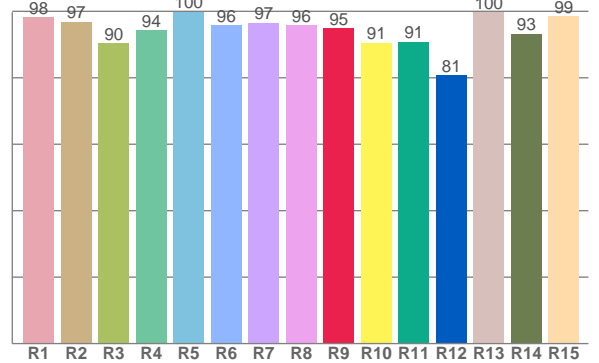




TM30: 92,6



CRI: 96,0 (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
98,2	96,9	90,5	94,3	99,8	95,7	96,6	95,8	94,8	90,6	90,9	80,7	99,6	93,3	98,5

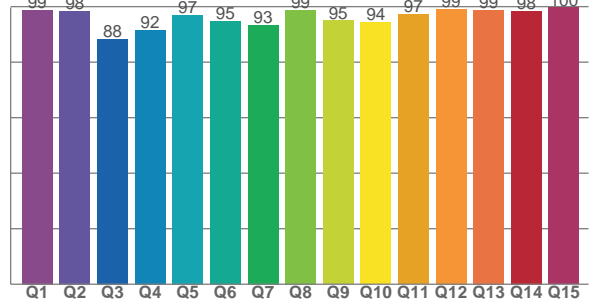
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,4	97,9	93,6	94,0	91,5	92,0	94,9	94,1	95,9	90,8	86,9	89,2	91,4	92,4	91,3	89,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,8	98,4	88,3	91,7	96,9	94,8	93,3	98,8	94,9	94,3	97,3	99,2	98,8	98,4	99,6

CQS: 95,1



COLOR PARAMETERS

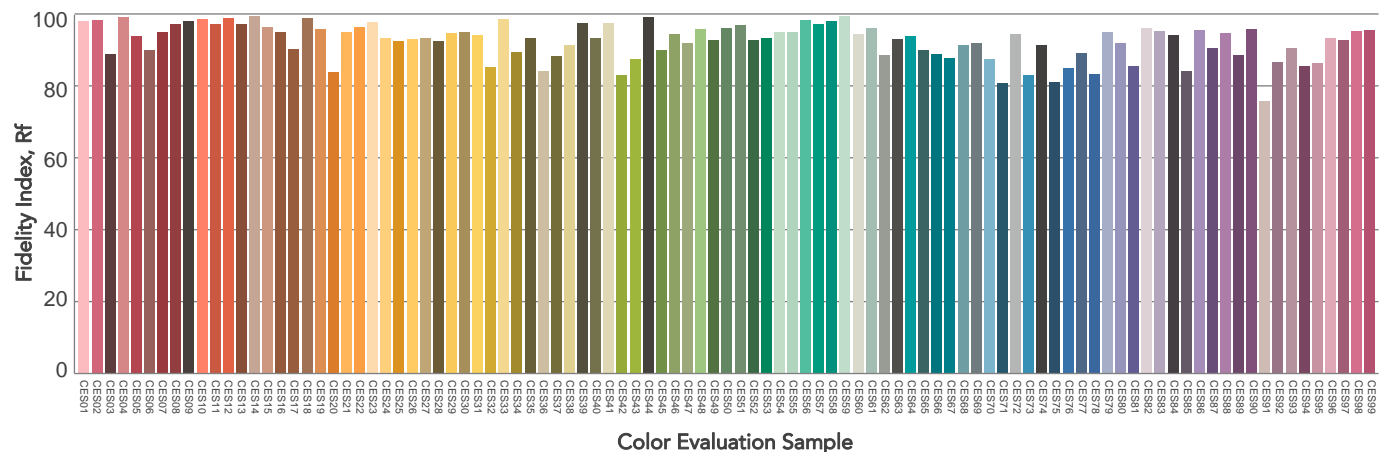
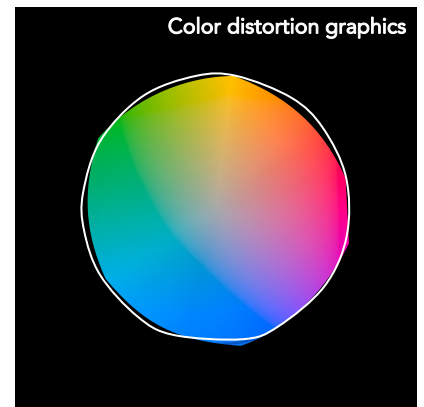
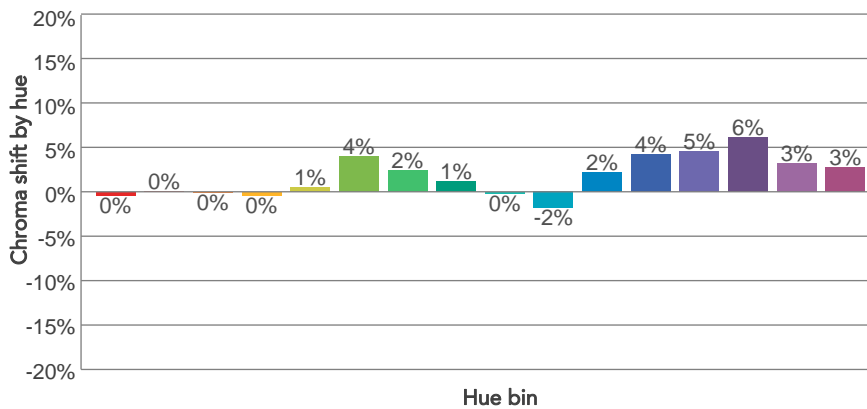
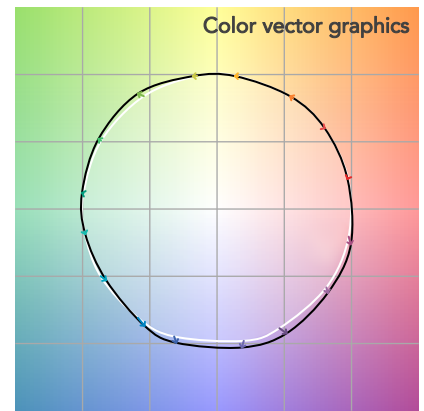
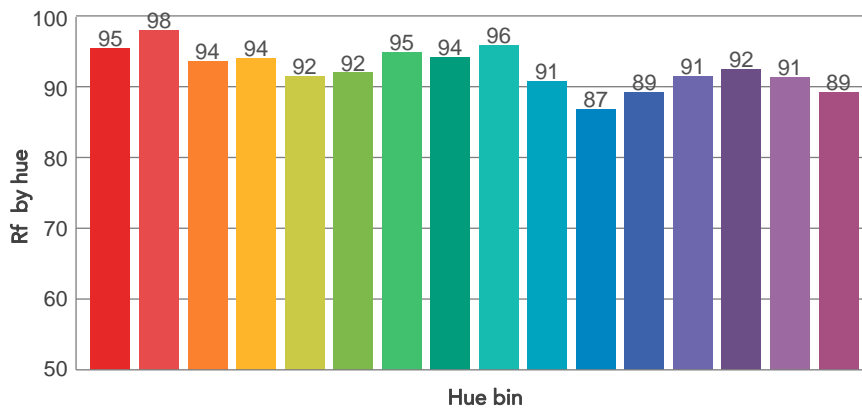
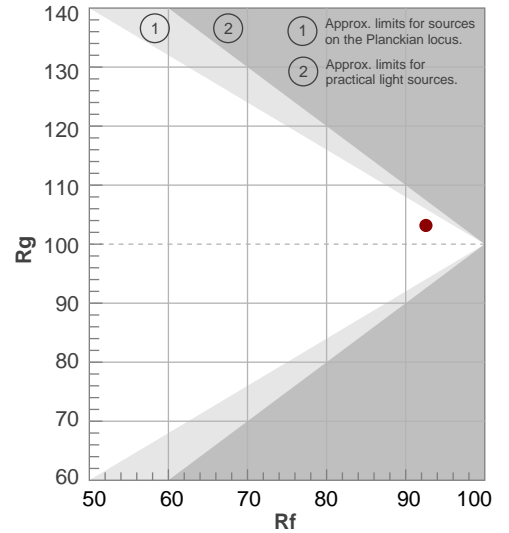
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4038 K	96,0	94,8	92,6	103,2	95,1	91	0,379	0,376	-0,0012

TM30 DETAILS

Rf 92,6
Fidelity index Rf

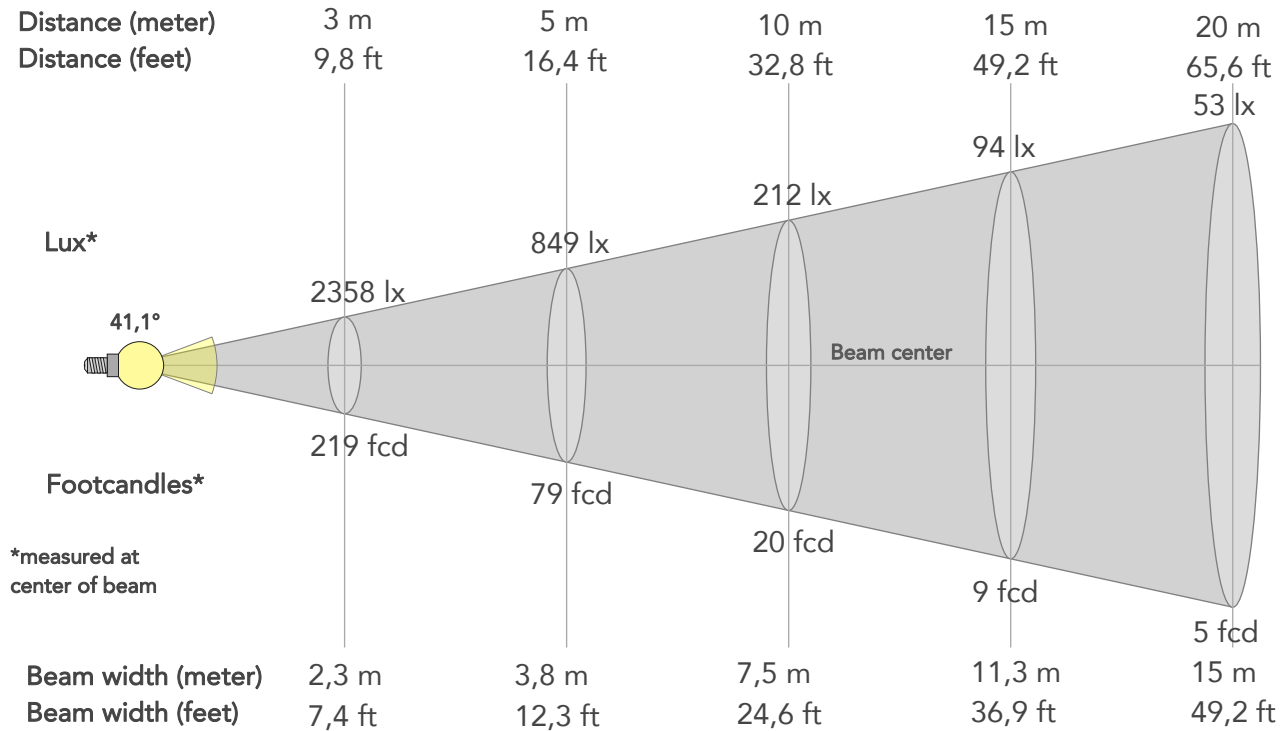
Rg 103,2
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	0%	-1%
2	98	0%	0%
3	94	0%	2%
4	94	0%	2%
5	92	1%	3%
6	92	4%	3%
7	95	2%	0%
8	94	1%	0%
9	96	0%	2%
10	91	-2%	5%
11	87	2%	7%
12	89	4%	2%
13	91	5%	-2%
14	92	6%	2%
15	91	3%	-3%
16	89	3%	-5%



BEAM DETAILS

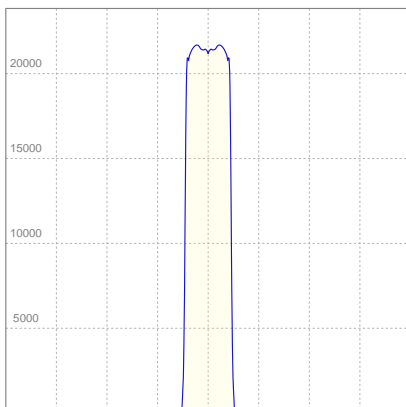
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
41,1°	45,1°	46,8°	99,7%	99,7%



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	21219lx	5305lx	2358lx	1326lx	849lx	377lx	212lx	94lx	53lx	34lx	24lx	13lx	8lx
Footcand.	1971fcd	493fcd	219fcd	123fcd	79fcd	35fcd	20fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,5m	2,3m	3m	3,8m	5,6m	7,5m	11,3m	15m	18,8m	22,5m	30m	37,5m
Beam wid.	2,5ft	5ft	7,4ft	9,8ft	12,3ft	18,5ft	24,6ft	36,9ft	49,2ft	61,5ft	73,8ft	98,5ft	123,1ft

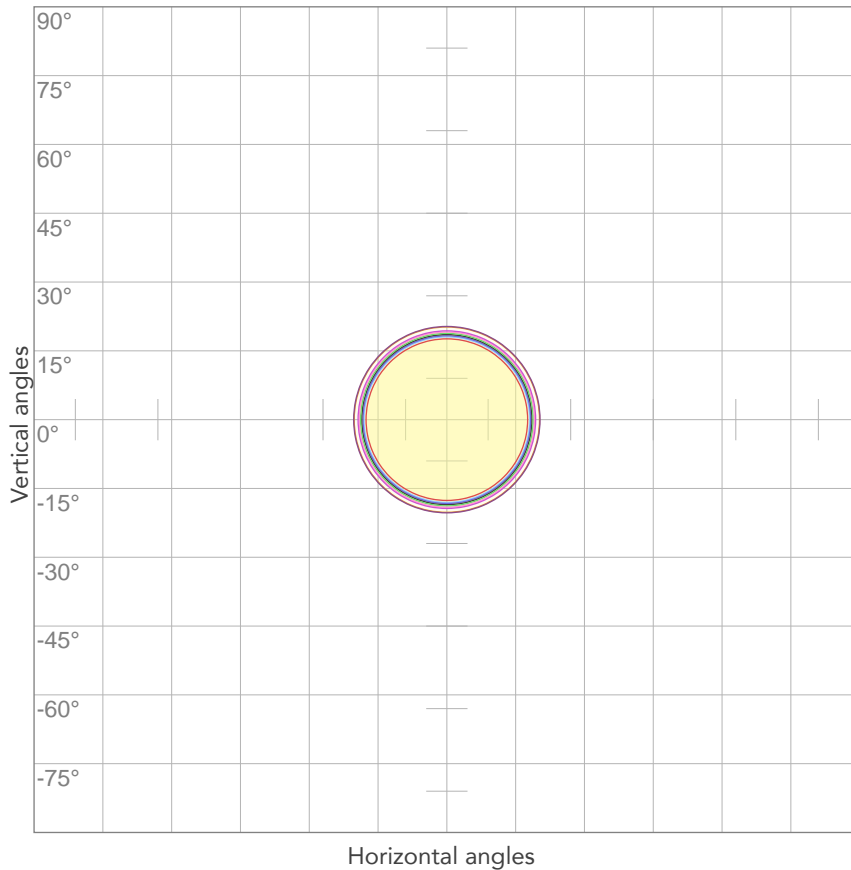
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,919A	195,2W	44lm/W

ISO CANDELA DIAGRAM



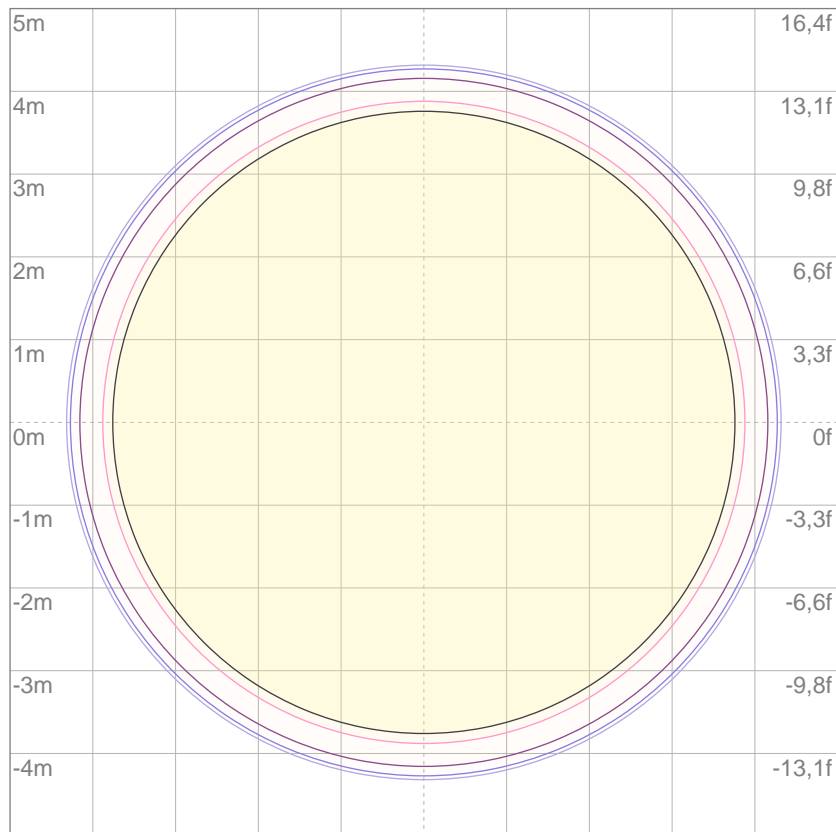
10%	2122 cd
20%	4244 cd
30%	6366 cd
40%	8488 cd
50%	10610 cd
60%	12731 cd
70%	14853 cd
80%	16975 cd

Conditions:

Number of c-planes: 2

Candela at center: 21219 cd

ISO LUX DIAGRAM



3%	6,37 lx
5%	10,6 lx
10%	21,2 lx
30%	63,7 lx
50%	106 lx

Conditions:

Number of c-planes: 2

Lux at center: 212 lx

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



Total lumen output:

5798 lm

Peak candela output:

58827 cd

Light quality:

CRI: 95,5

Color temperature:

4005 K

PRODUCT NAME:
ECLCTPLUS

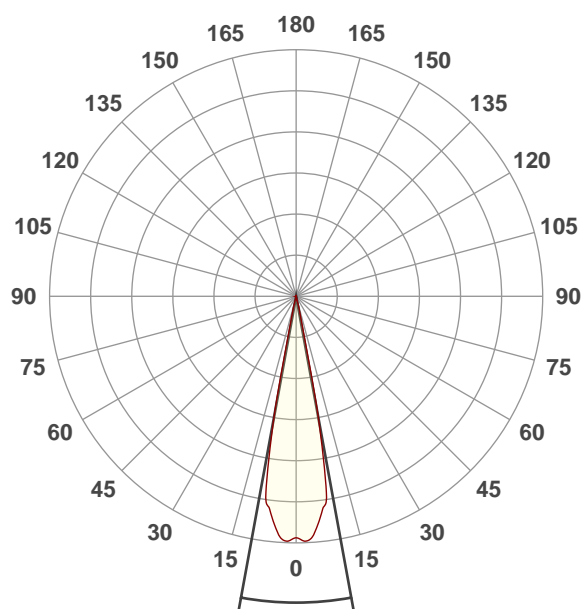
MEASURAMENT CONDITIONS:

Beam angle:
PRL25-50 Min Zoom

Target:
4000K HQ

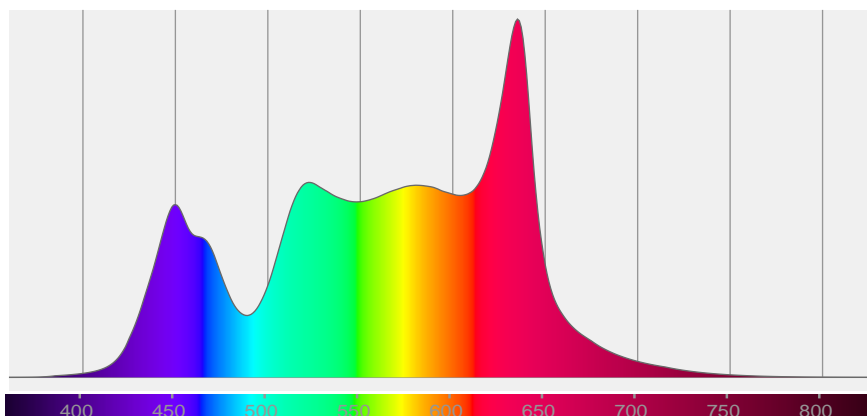
Operator:
Paolo Carvone

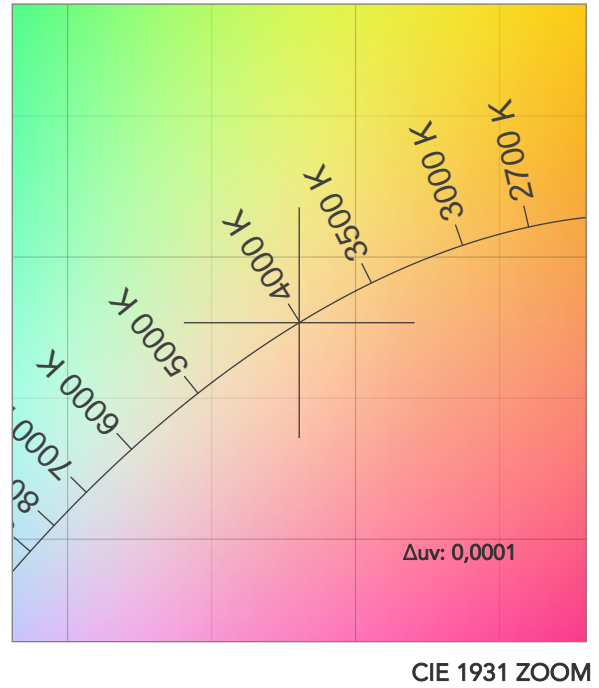
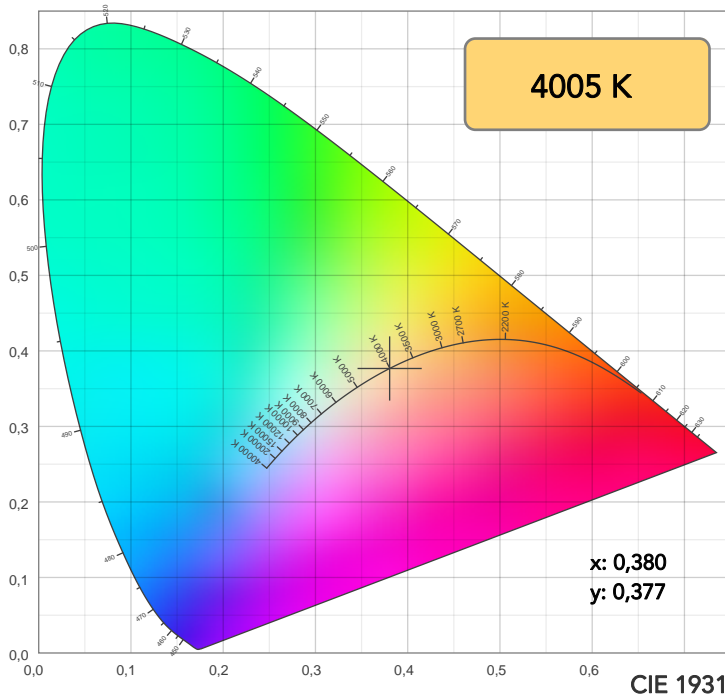
Date and time:
15/07/2020 10:40:55



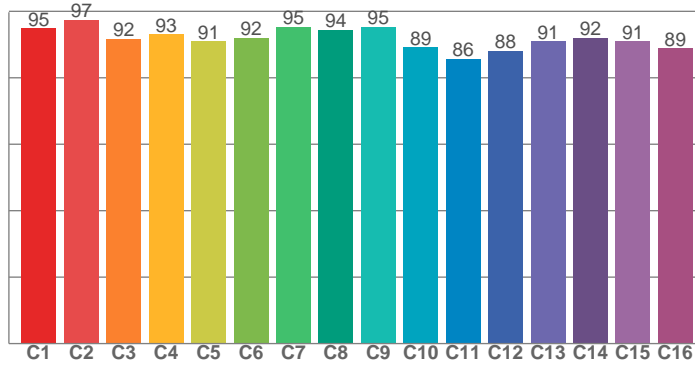
Beam angle 50%: 20,7°
Field angle 10%: 24,2°
Cut off angle 2.5%: 26,8°

Spectra

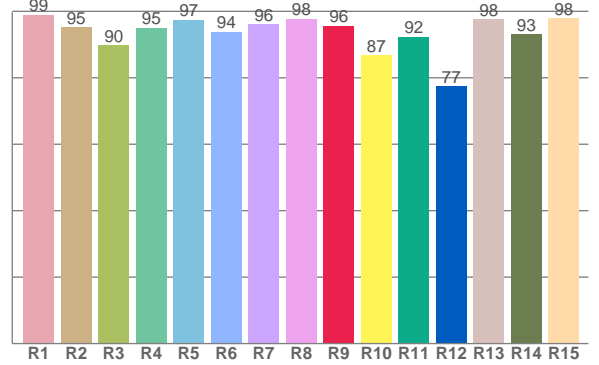




TM30: 91,9



CRI: 95,5 (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
99,0	95,1	89,9	95,0	97,4	93,8	96,2	97,7	95,7	86,7	92,4	77,5	97,7	93,1	98,0

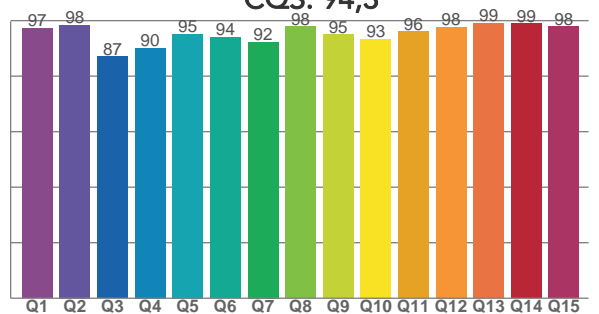
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,9	97,5	91,8	93,0	90,9	92,0	95,4	94,5	95,2	89,1	85,7	88,1	91,0	92,1	91,0	88,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,3	98,5	87,1	90,1	95,1	94,0	92,4	97,9	95,0	93,4	96,0	97,7	99,0	99,0	97,9

CQS: 94,3



COLOR PARAMETERS

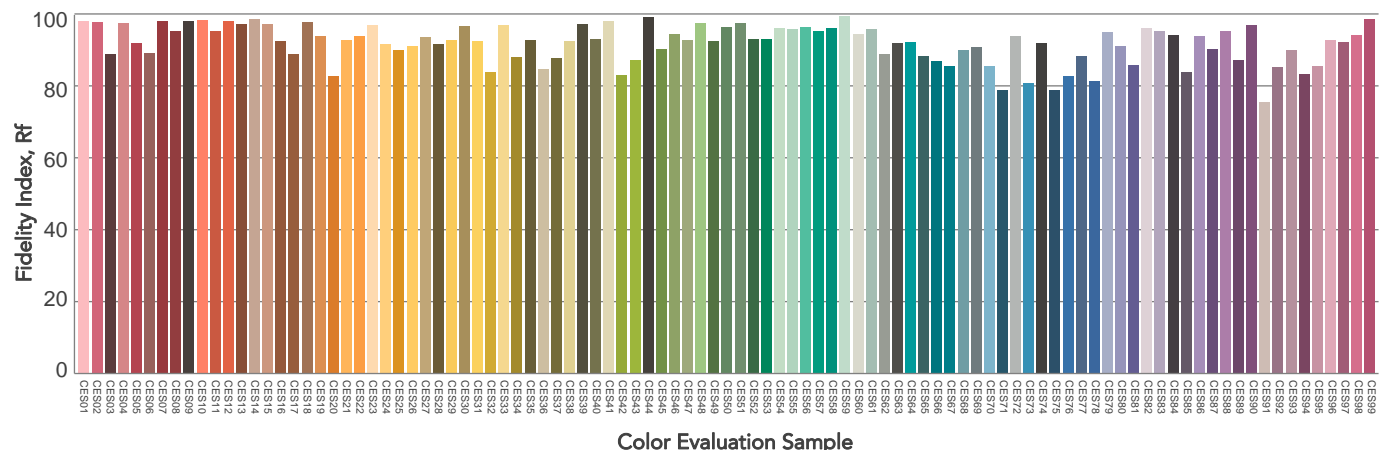
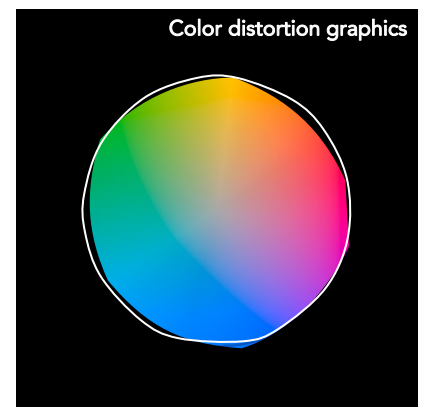
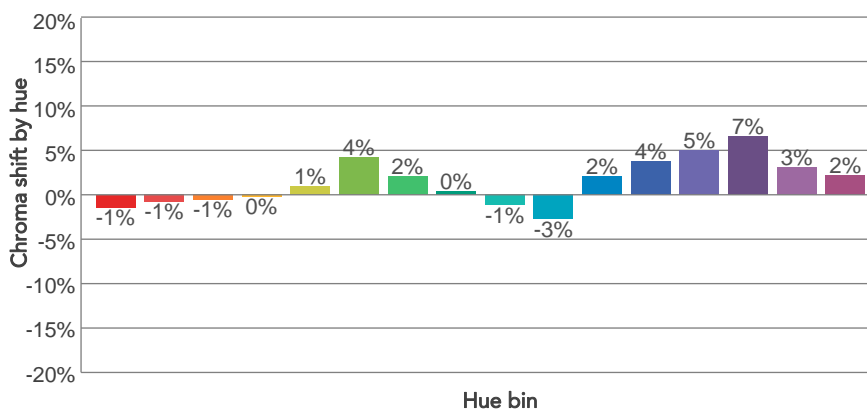
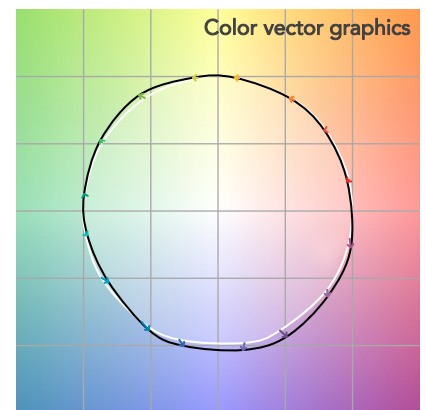
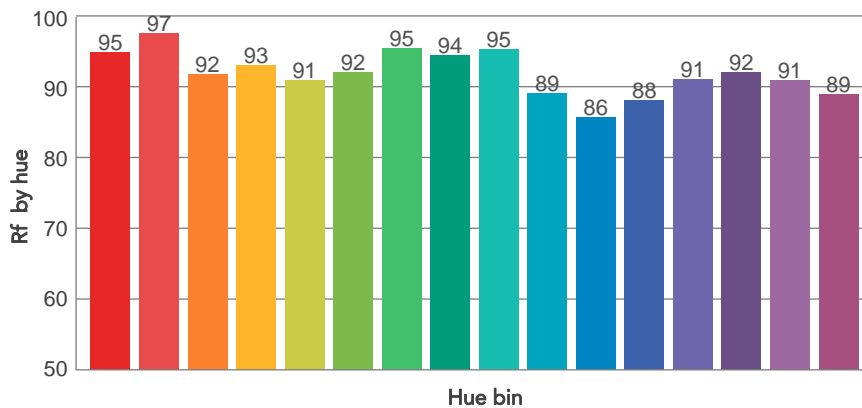
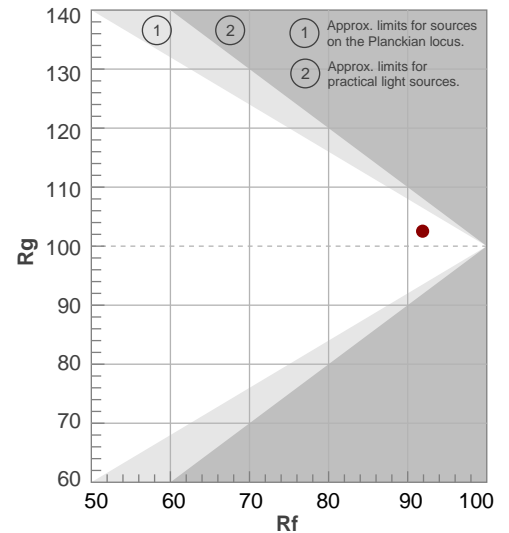
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4005 K	95,5	95,7	91,9	102,5	94,3	90	0,380	0,377	0,0001

TM30 DETAILS

Rf 91,9
Fidelity index Rf

Rg 102,5
Gammut index

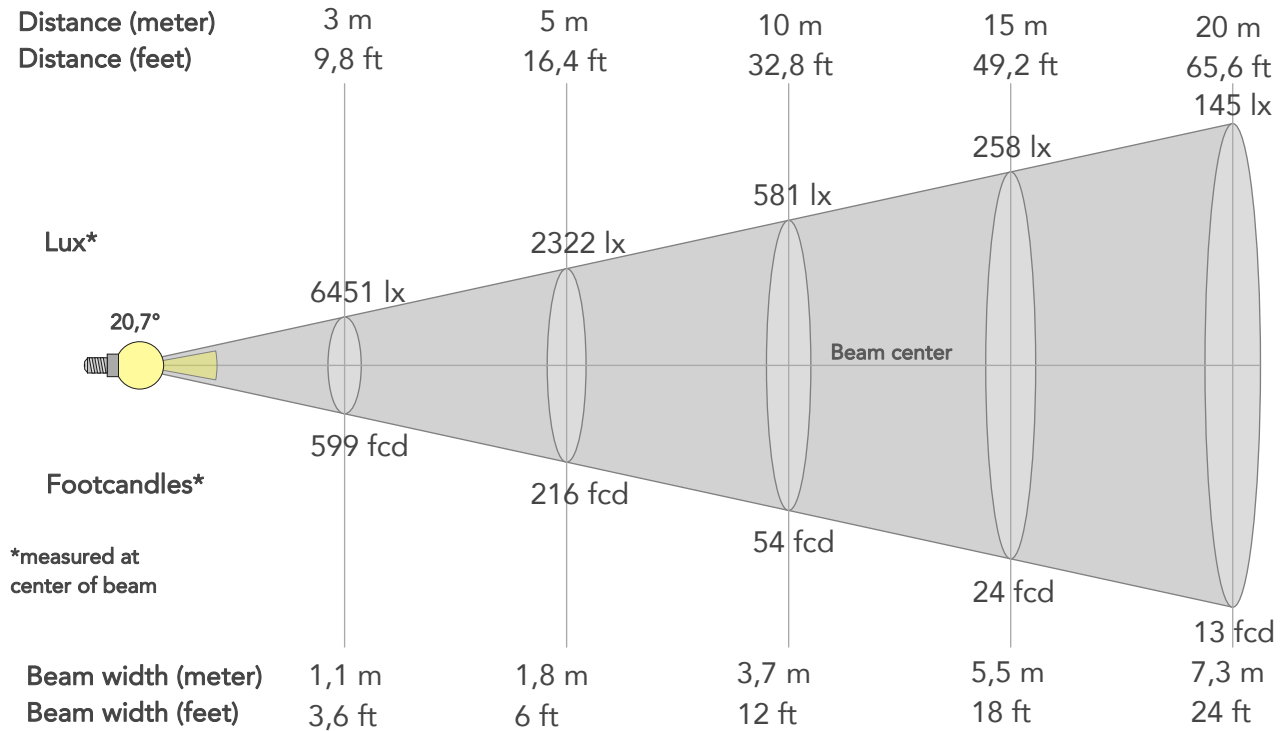
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-1%
2	97	-1%	0%
3	92	-1%	3%
4	93	0%	3%
5	91	1%	4%
6	92	4%	2%
7	95	2%	-1%
8	94	0%	-1%
9	95	-1%	2%
10	89	-3%	5%
11	86	2%	8%
12	88	4%	4%
13	91	5%	-2%
14	92	7%	2%
15	91	3%	-4%
16	89	2%	-6%



BEAM DETAILS



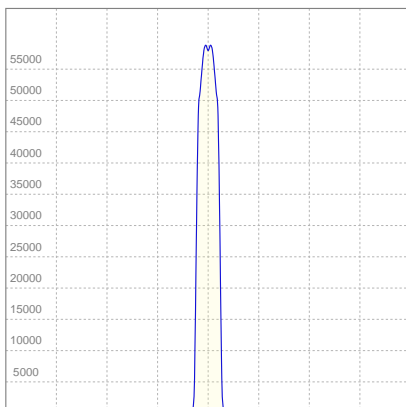
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,7°	24,2°	26,8°	100,0%	100,0%



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	58057lx	14514lx	6451lx	3629lx	2322lx	1032lx	581lx	258lx	145lx	93lx	65lx	36lx	23lx
Footcand.	5394fcd	1348fcd	599fcd	337fcd	216fcd	96fcd	54fcd	24fcd	13fcd	9fcd	6fcd	3fcd	2fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,8m	2,7m	3,7m	5,5m	7,3m	9,2m	11m	14,6m	18,3m
Beam wid.	1,2ft	2,4ft	3,6ft	4,8ft	6ft	9ft	12ft	18ft	24ft	30ft	36ft	48ft	60ft

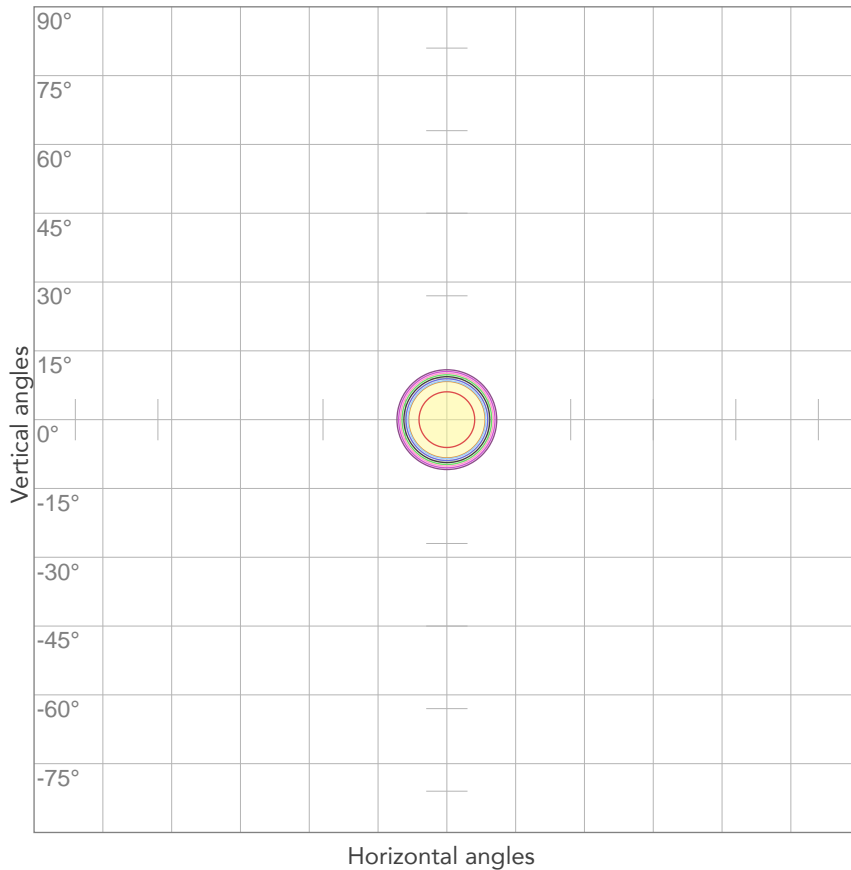
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,918A	195,7W	30lm/W

ISO CANDELA DIAGRAM



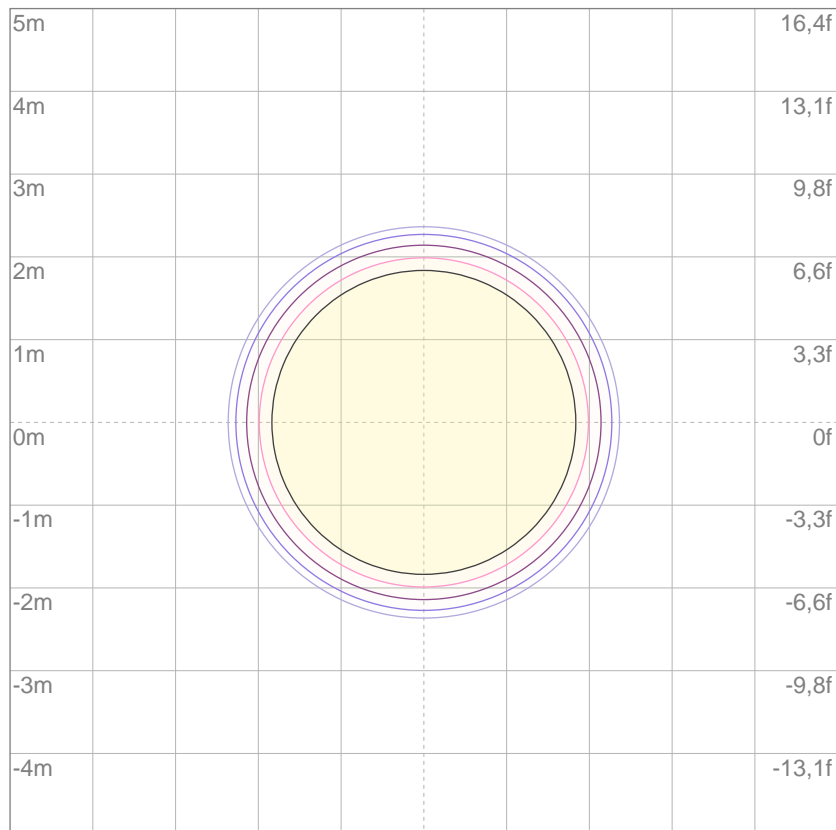
10%	5806 cd
20%	11611 cd
30%	17417 cd
40%	23223 cd
50%	29028 cd
60%	34834 cd
70%	40640 cd
80%	46445 cd

Conditions:

Number of c-planes: 2

Candela at center: 58057 cd

ISO LUX DIAGRAM



3%	17,4 lx
5%	29,0 lx
10%	58,1 lx
30%	174 lx
50%	290 lx

Conditions:

Number of c-planes: 2

Lux at center: 581 lx

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



Total lumen output:

9406 lm

Peak candela output:

23381 cd

Light quality:

CRI: 97,2

Color temperature:

5624 K

PRODUCT NAME:
ECLCTPLUS

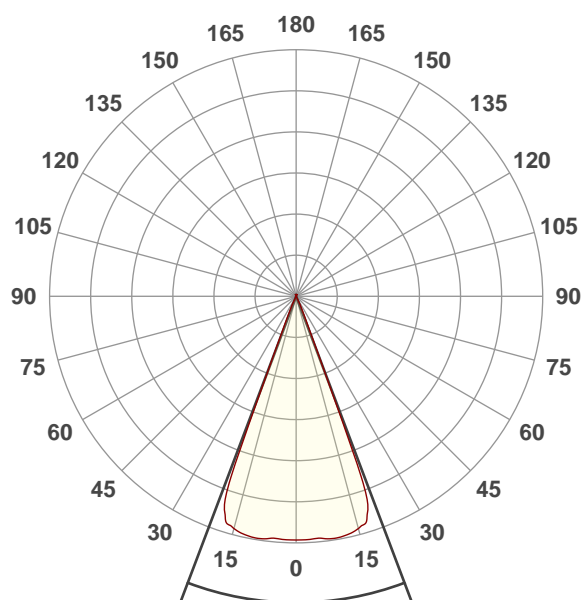
MEASURAMENT CONDITIONS:

Beam angle:
PRL25-50 Max Zoom

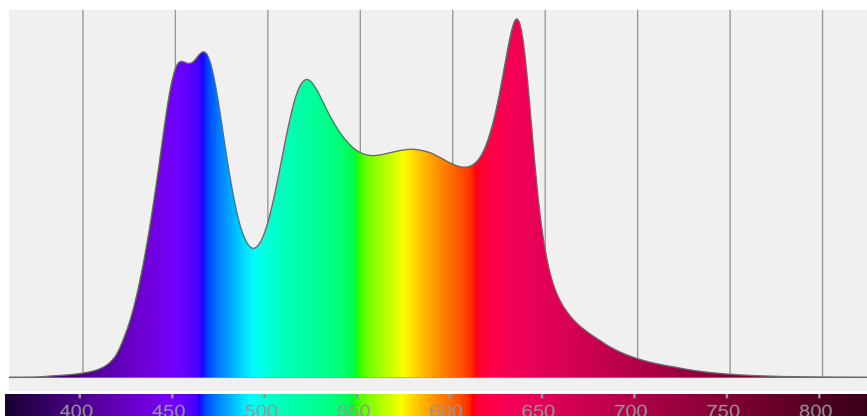
Target:
5600K HQ

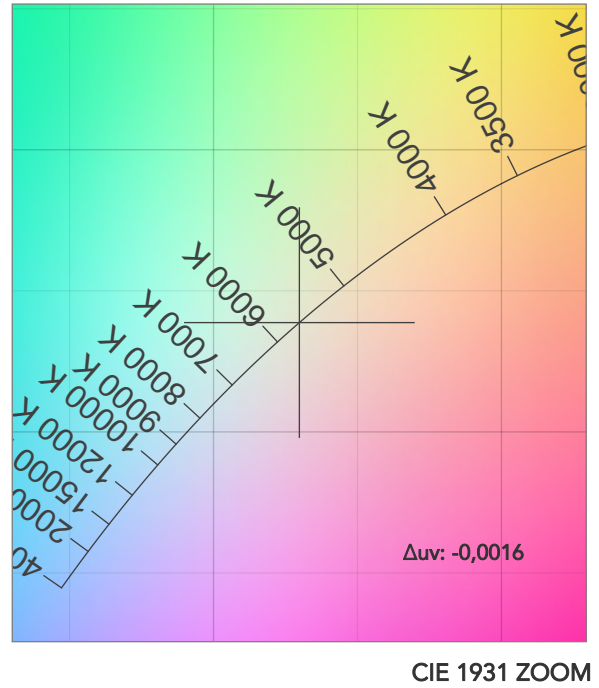
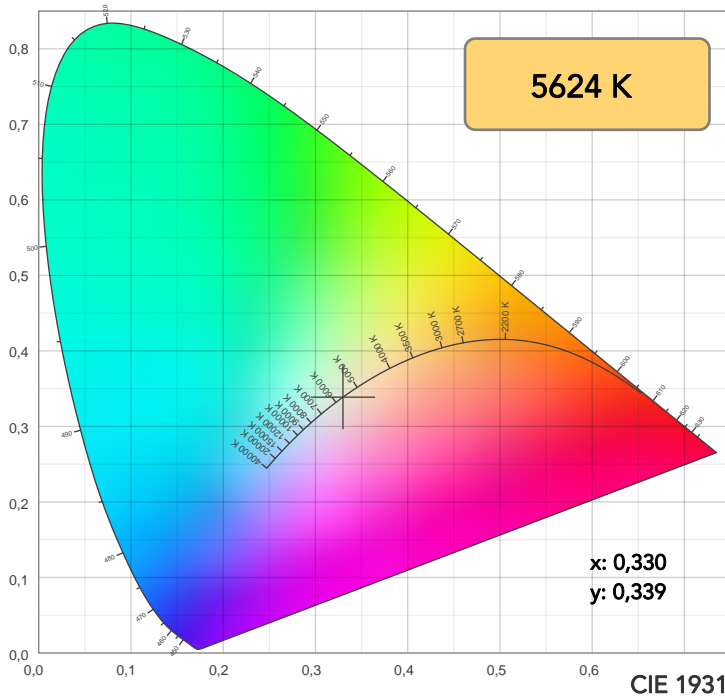
Operator:
Paolo Carvone

Date and time:
15/07/2020 11:33:37

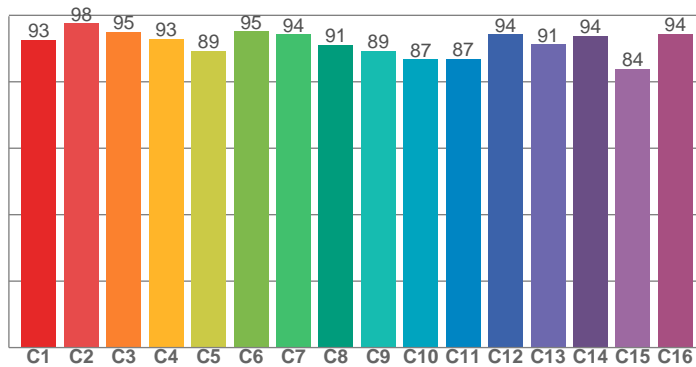


Spectra

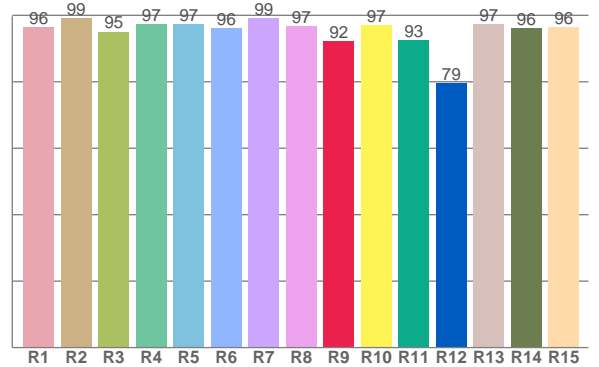




TM30: 91,7



CRI: 97,2 (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
96,5	99,1	95,1	97,3	97,4	96,2	99,2	96,8	92,2	97,1	92,5	79,5	97,2	96,1	96,3

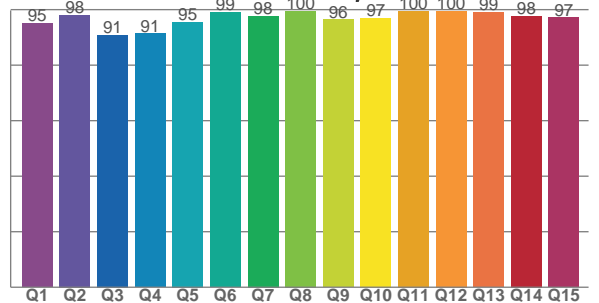
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,6	97,5	95,1	92,9	89,2	95,2	94,3	91,1	89,3	86,8	86,8	94,2	91,2	93,8	84,0	94,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,1	98,0	90,9	91,4	95,5	99,0	97,7	99,5	96,4	97,0	99,5	99,6	99,0	97,7	97,2

CQS: 95,9



COLOR PARAMETERS

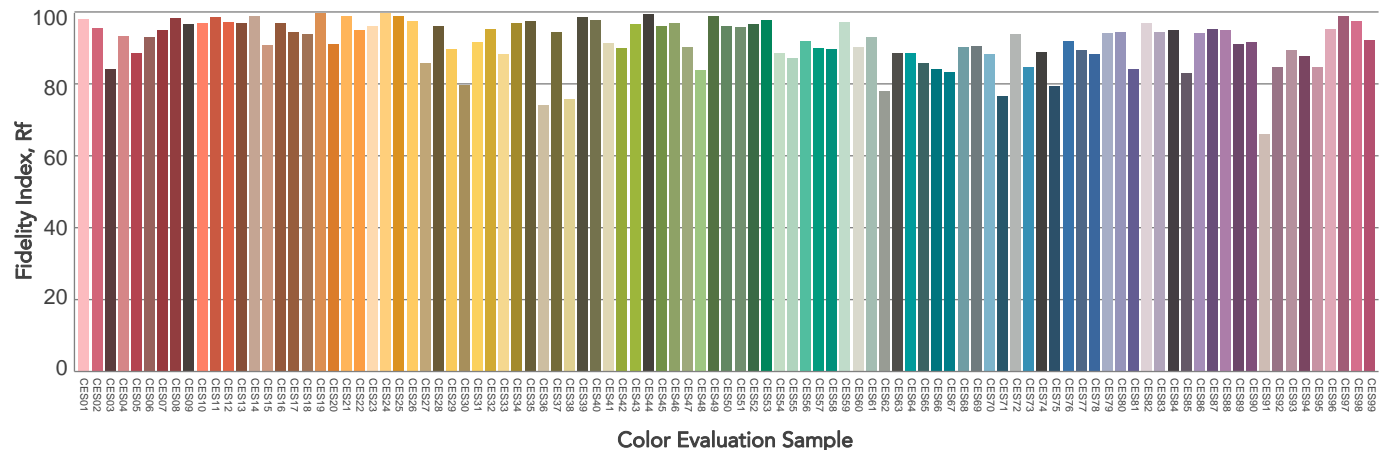
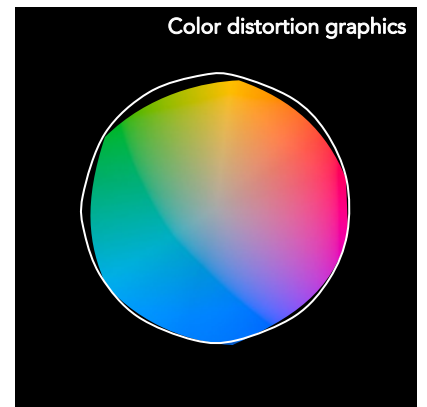
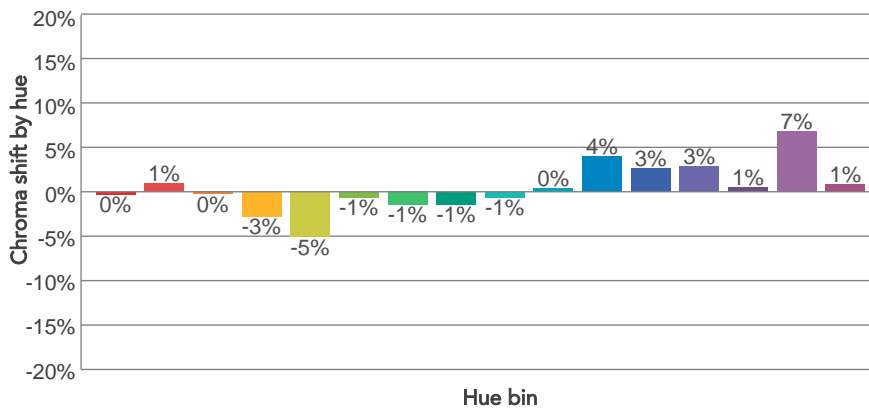
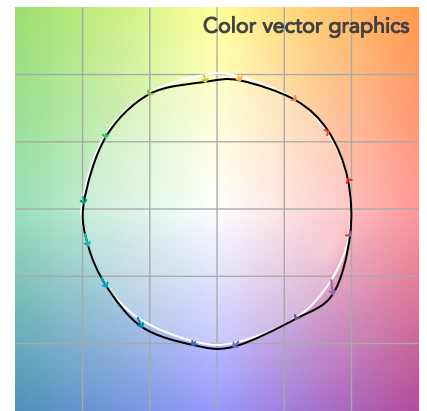
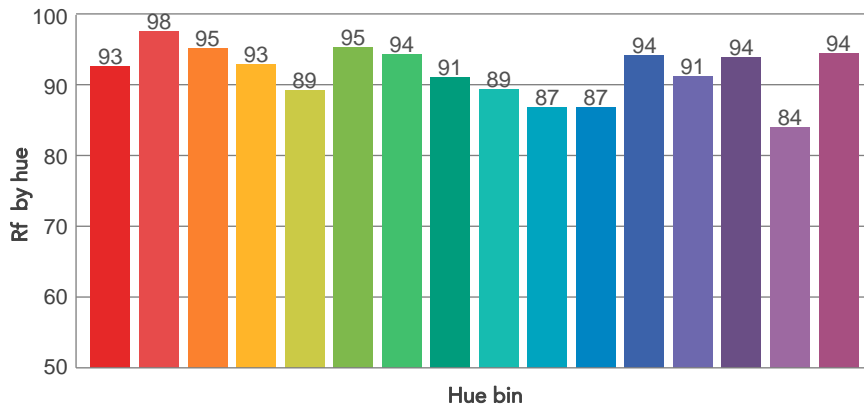
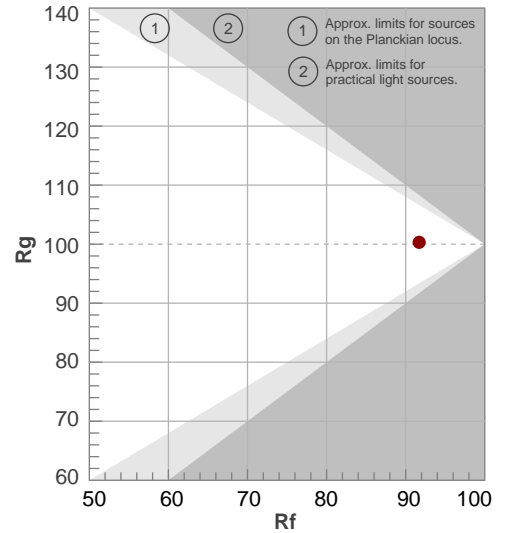
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5624 K	97,2	92,2	91,7	100,3	95,9	95	0,330	0,339	-0,0016

TM30 DETAILS

Rf 91,7
Fidelity index Rf

Rg 100,3
Gammut index

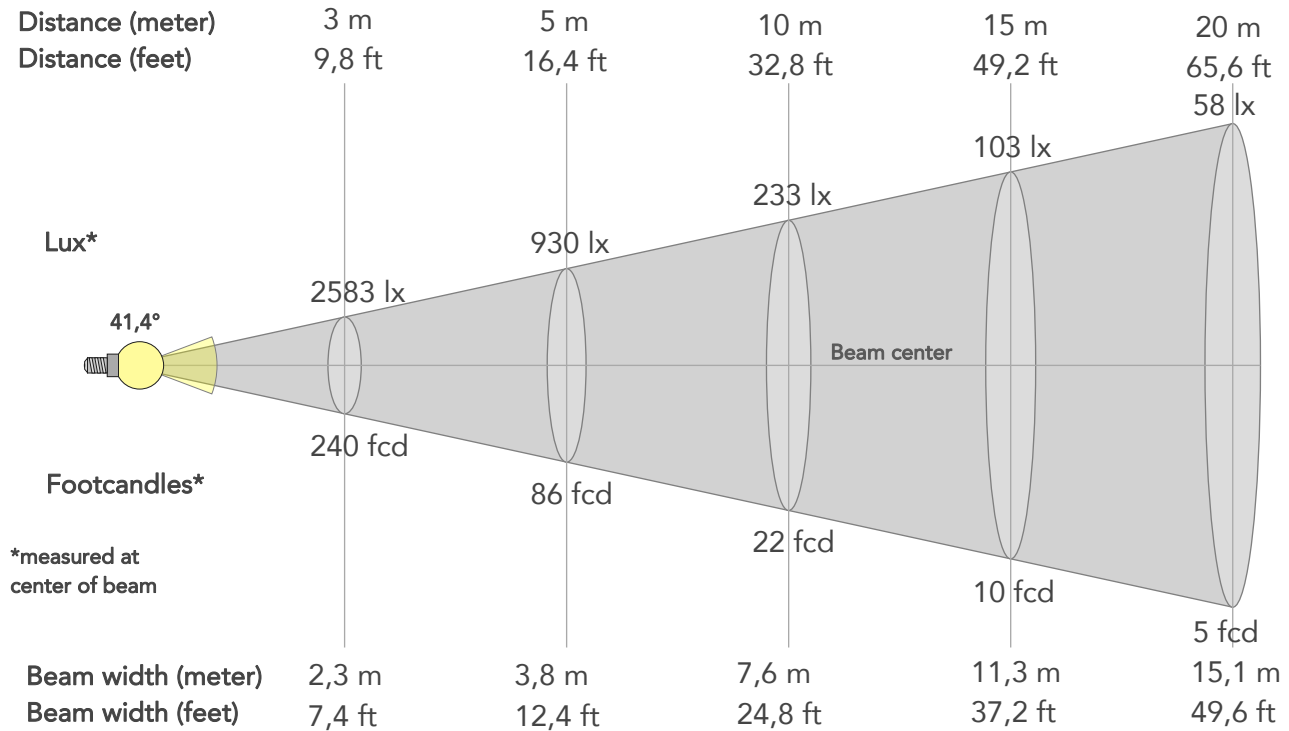
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	0%	1%
2	98	1%	0%
3	95	0%	-1%
4	93	-3%	-2%
5	89	-5%	0%
6	95	-1%	2%
7	94	-1%	2%
8	91	-1%	5%
9	89	-1%	9%
10	87	0%	8%
11	87	4%	6%
12	94	3%	-2%
13	91	3%	-4%
14	94	1%	-1%
15	84	7%	-8%
16	94	1%	-1%



BEAM DETAILS



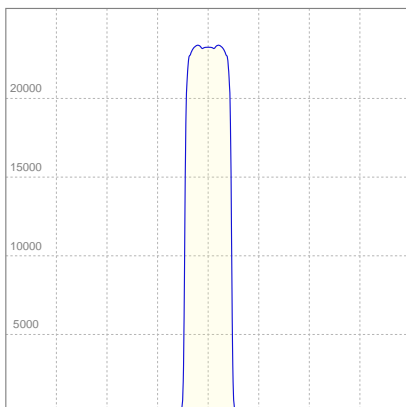
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
41,4°	44,7°	47,1°	99,6%	99,5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	23250lx	5813lx	2583lx	1453lx	930lx	413lx	233lx	103lx	58lx	37lx	26lx	15lx	9lx
Footcand.	2160fcd	540fcd	240fcd	135fcd	86fcd	38fcd	22fcd	10fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,5m	2,3m	3m	3,8m	5,7m	7,6m	11,3m	15,1m	18,9m	22,7m	30,3m	37,8m
Beam wid.	2,5ft	5ft	7,4ft	9,9ft	12,4ft	18,6ft	24,8ft	37,2ft	49,6ft	62ft	74,4ft	99,3ft	124,1ft

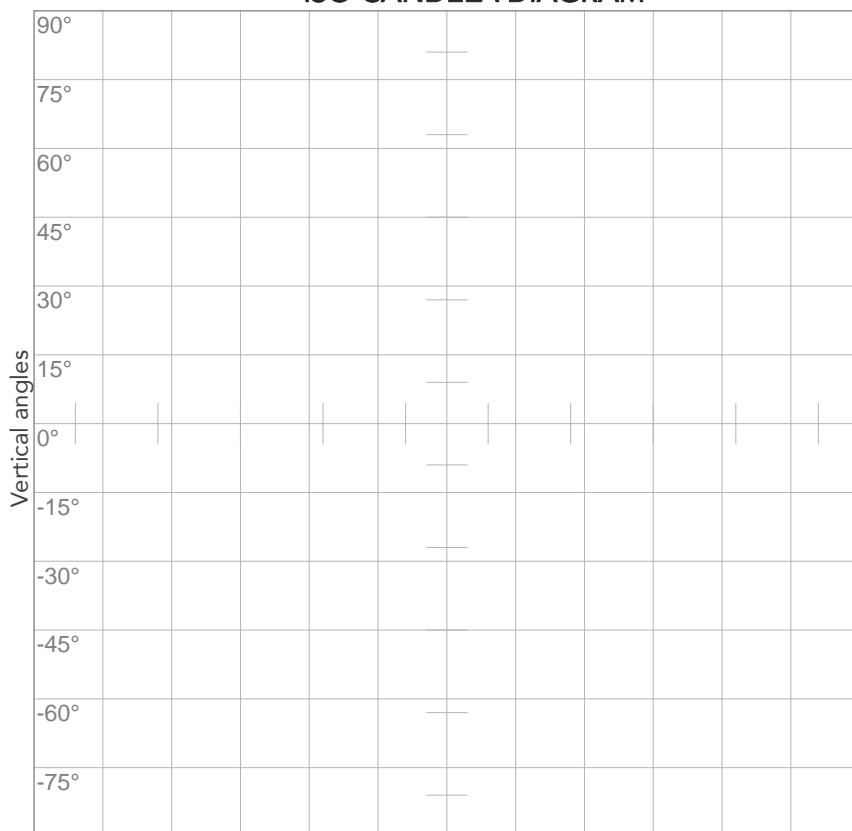
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,05A	224,9W	42lm/W

ISO CANDELA DIAGRAM



Horizontal angles

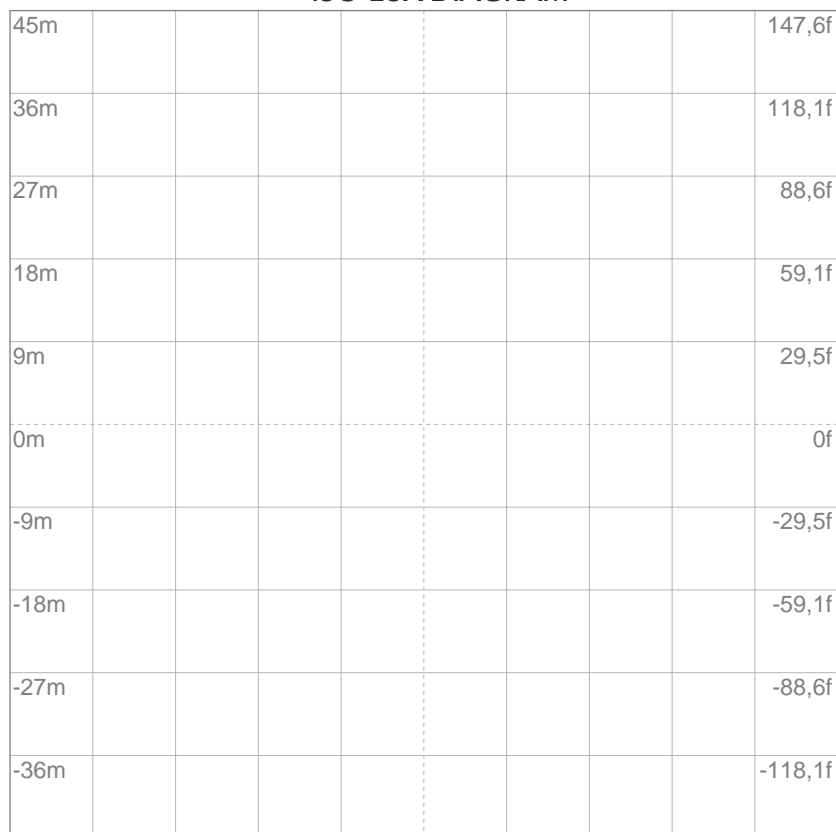
10%	2325 cd
20%	4650 cd
30%	6975 cd
40%	9300 cd
50%	11625 cd
60%	13950 cd
70%	16275 cd
80%	18600 cd

Conditions:

Number of c-planes: 2

Candela at center: 23250 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	6,98 lx
5%	11,6 lx
10%	23,3 lx
30%	69,8 lx
50%	116 lx

Conditions:

Number of c-planes: 2

Lux at center: 233 lx

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



Total lumen output:

6855 lm

Peak candela output:

61674 cd

Light quality:

CRI: 97,6

Color temperature:

5610 K

PRODUCT NAME:
ECLCTPLUS

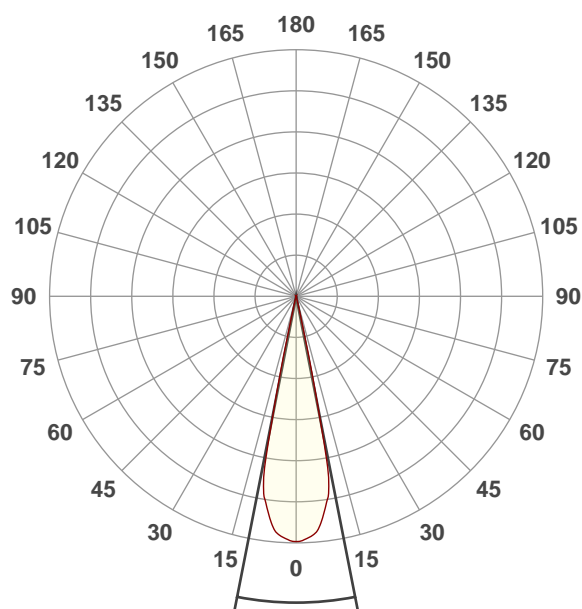
MEASURAMENT CONDITIONS:

Beam angle:
PRL25-50 Min Zoom

Target:
5600K HQ

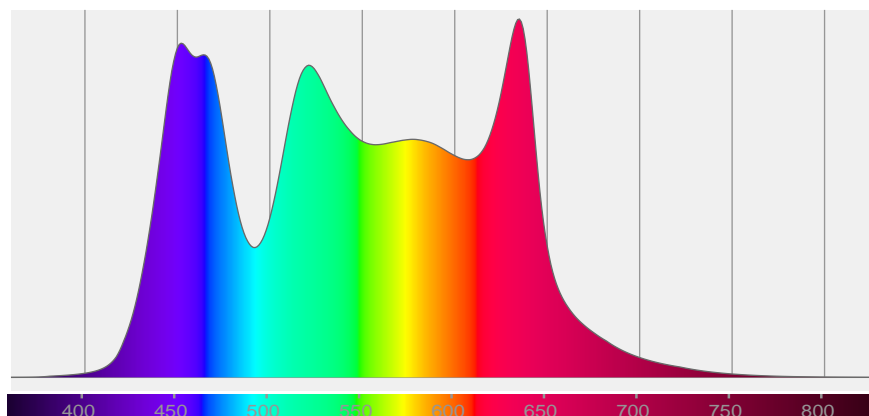
Operator:
Paolo Carvone

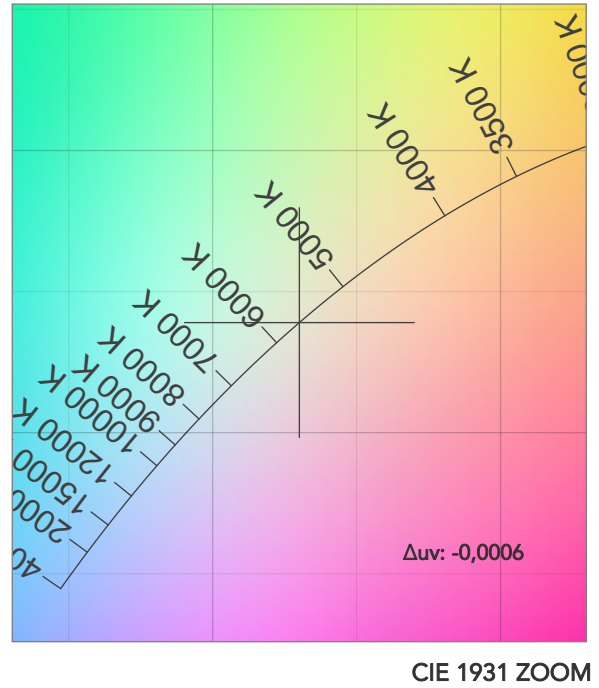
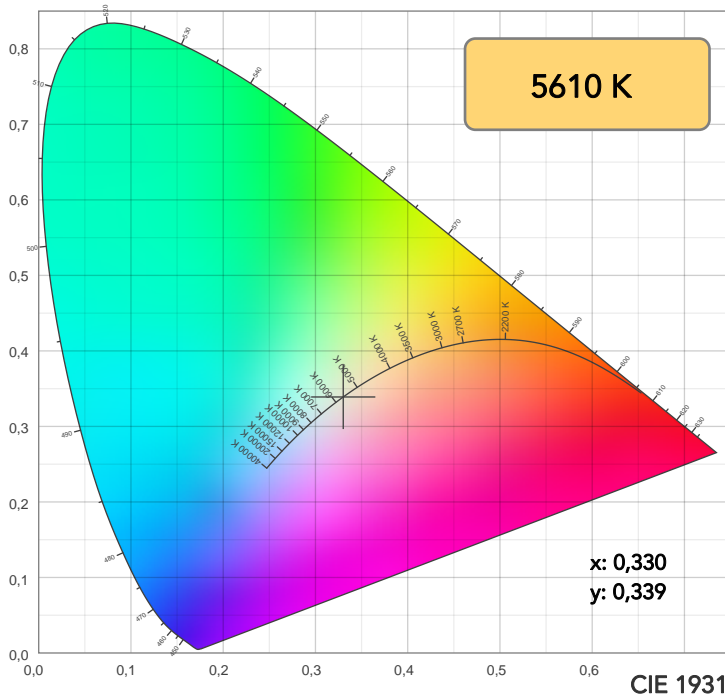
Date and time:
15/07/2020 13:22:13



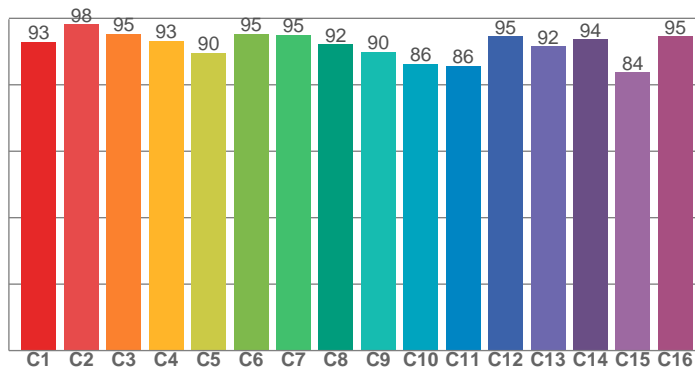
Beam angle 50%: 22,2°
Field angle 10%: 25,2°
Cut off angle 2.5%: 27°

Spectra

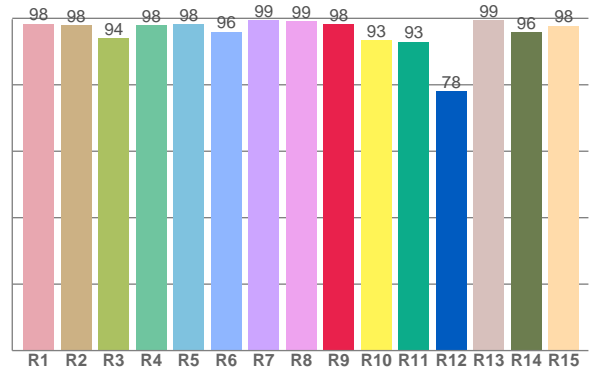




TM30: 91,9



CRI: 97,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,3	97,8	94,0	97,9	98,2	95,9	99,4	99,2	98,2	93,4	93,0	78,0	99,3	95,7	97,8

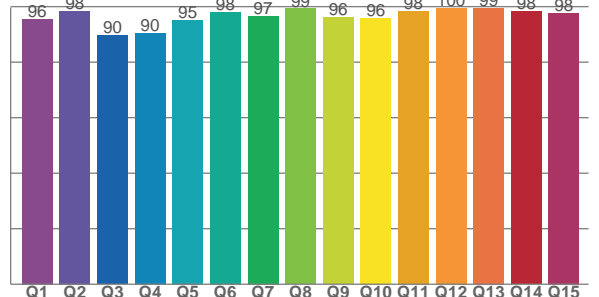
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,0	98,2	95,3	93,3	89,6	95,2	95,1	92,2	89,9	86,4	85,7	94,6	91,6	93,6	83,8	94,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,5	98,4	89,7	90,5	95,1	98,1	96,6	99,3	96,2	95,8	98,4	99,5	99,5	98,3	97,8

CQS: 95,5



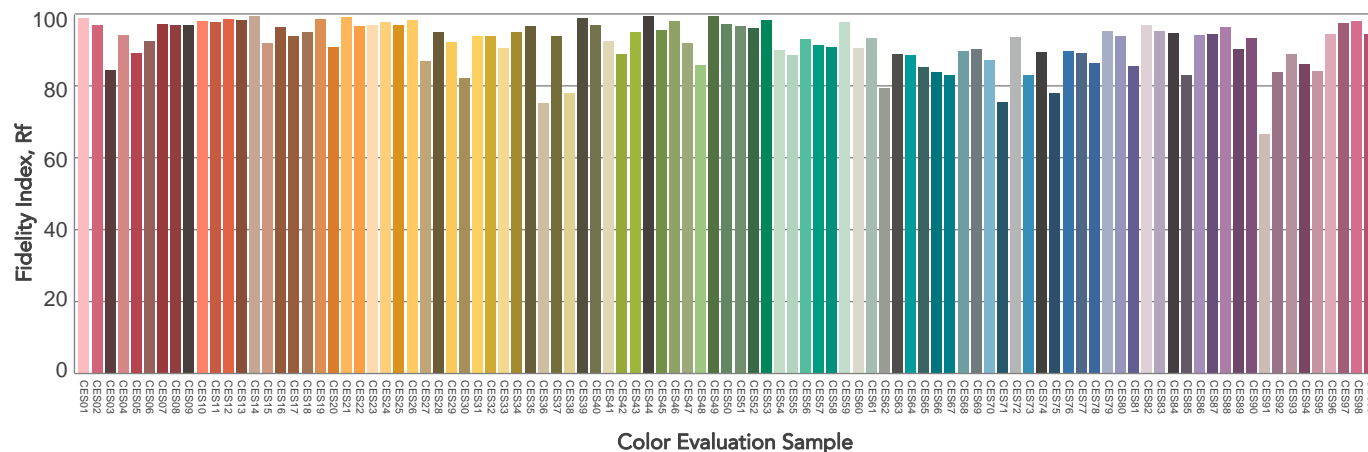
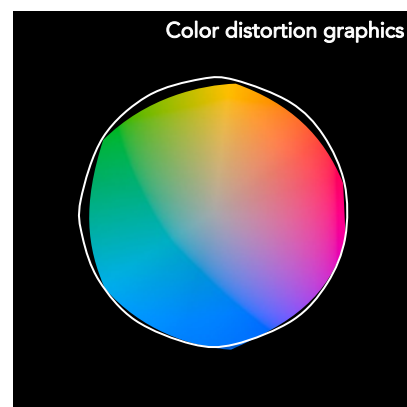
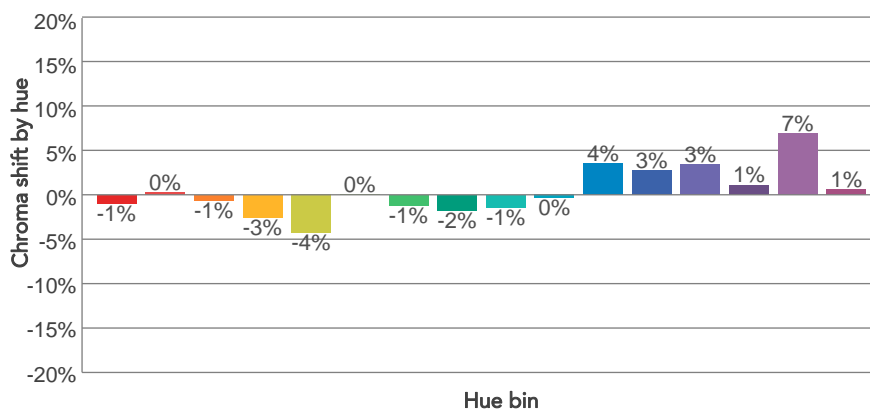
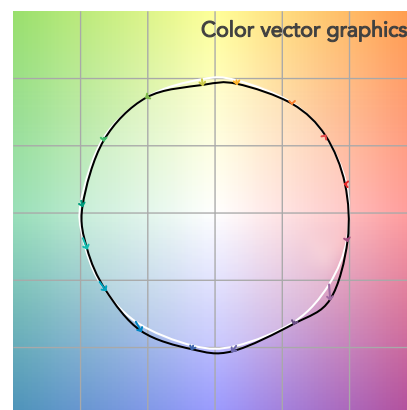
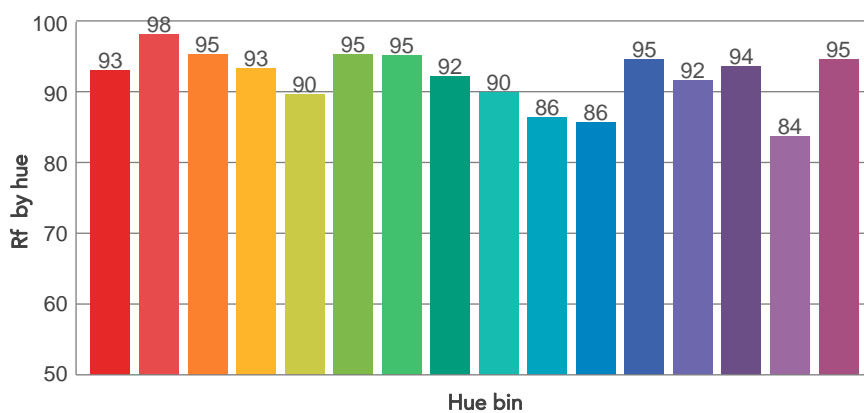
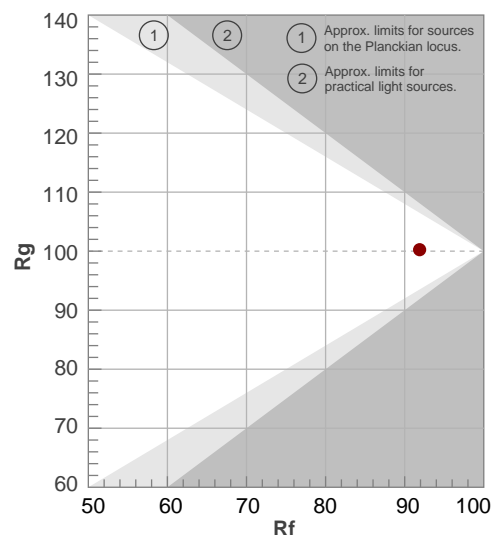
COLOR PARAMETERS

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
5610 K	97,6	98,2	91,9	100,2	95,5	95	0,330	0,339	-0,0006

Fidelity index R_f

Gammut index

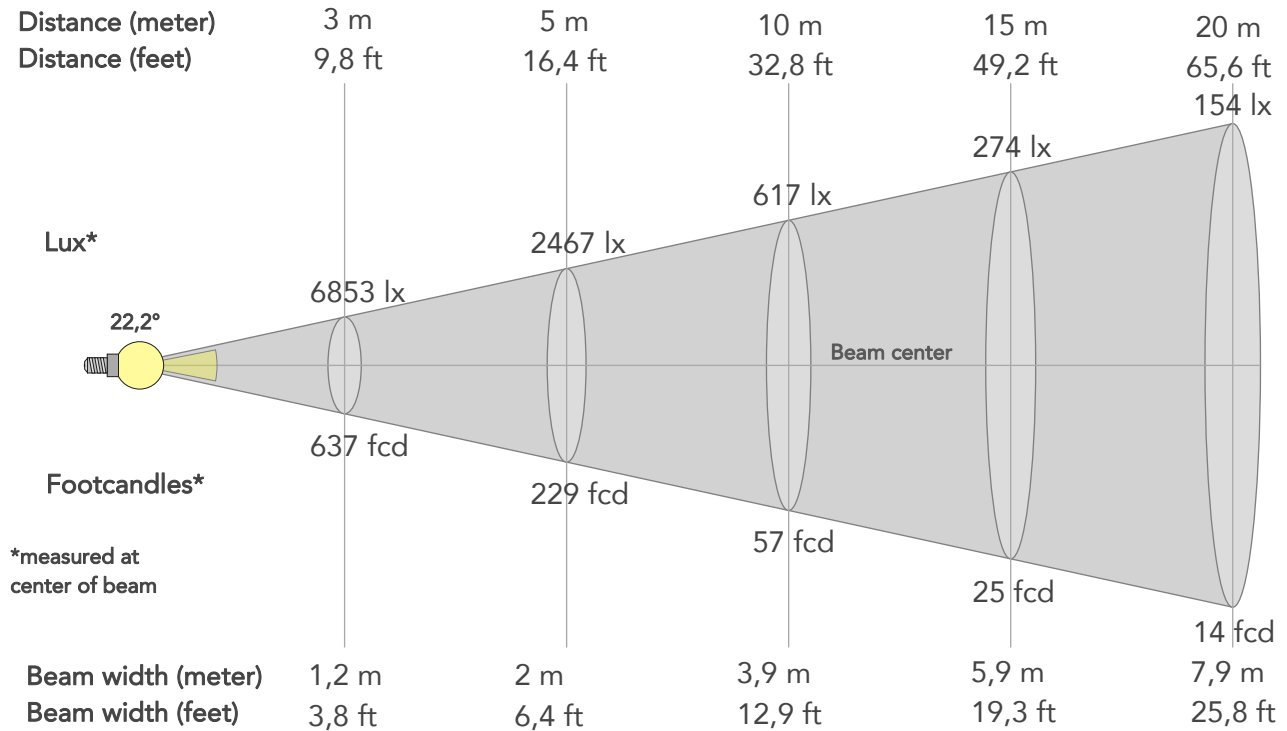
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	93	-1%	0%
2	98	0%	0%
3	95	-1%	0%
4	93	-3%	-1%
5	90	-4%	0%
6	95	0%	2%
7	95	-1%	2%
8	92	-2%	4%
9	90	-1%	8%
10	86	0%	8%
11	86	4%	7%
12	95	3%	-1%
13	92	3%	-4%
14	94	1%	-1%
15	84	7%	-9%
16	95	1%	-1%



BEAM DETAILS



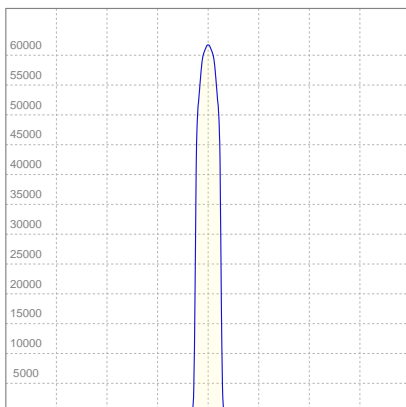
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22,2°	25,2°	27°	99,9%	99,9%



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	61674lx	15419lx	6853lx	3855lx	2467lx	1096lx	617lx	274lx	154lx	99lx	69lx	39lx	25lx
Footcand.	5730fcd	1432fcd	637fcd	358fcd	229fcd	102fcd	57fcd	25fcd	14fcd	9fcd	6fcd	4fcd	2fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	2,9m	3,9m	5,9m	7,9m	9,8m	11,8m	15,7m	19,6m
Beam wid.	1,3ft	2,6ft	3,8ft	5,1ft	6,4ft	9,7ft	12,9ft	19,3ft	25,8ft	32,2ft	38,6ft	51,5ft	64,4ft

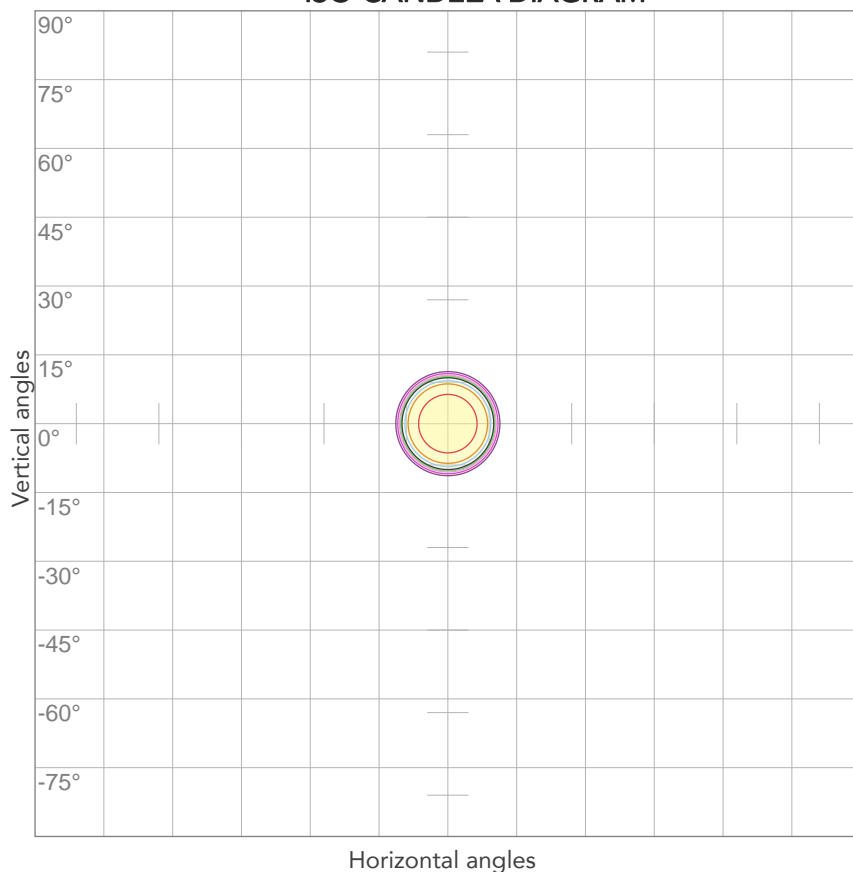
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,05A	224,9W	30lm/W

ISO CANDELA DIAGRAM



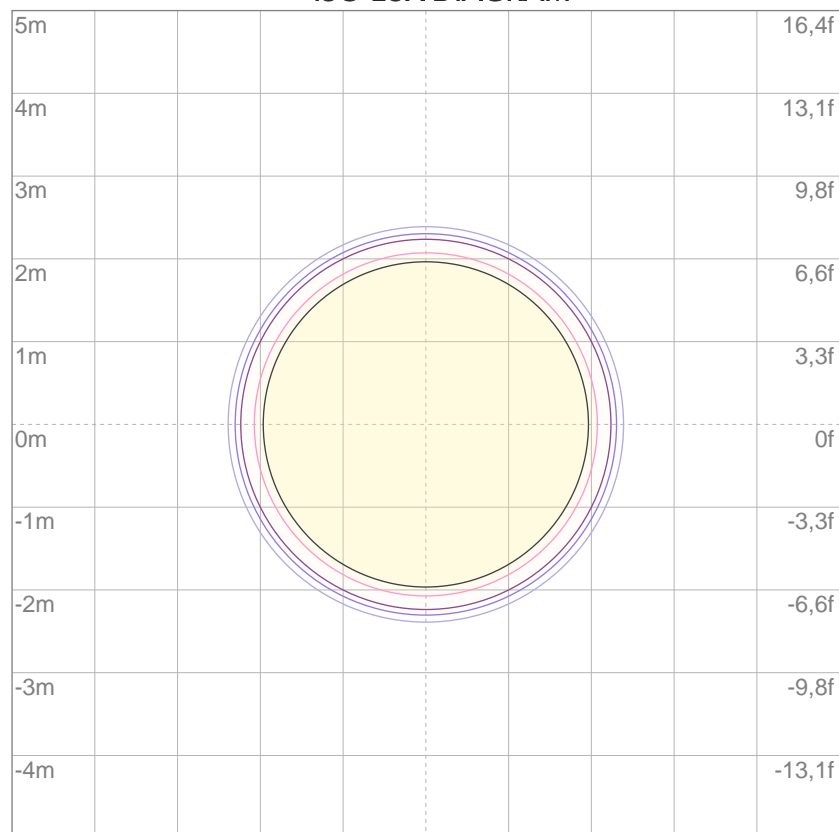
10%	6167 cd
20%	12335 cd
30%	18502 cd
40%	24670 cd
50%	30837 cd
60%	37005 cd
70%	43172 cd
80%	49340 cd

Conditions:

Number of c-planes: 2

Candela at center: 61674 cd

ISO LUX DIAGRAM



3%	18,5 lx
5%	30,8 lx
10%	61,7 lx
30%	185 lx
50%	308 lx

Conditions:

Number of c-planes: 2

Lux at center: 617 lx

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



Total lumen output:

9438 lm

Peak candela output:

23454 cd

Light quality:

CRI: 96,9

Color temperature:

6021 K

PRODUCT NAME:
ECLCTPLUS

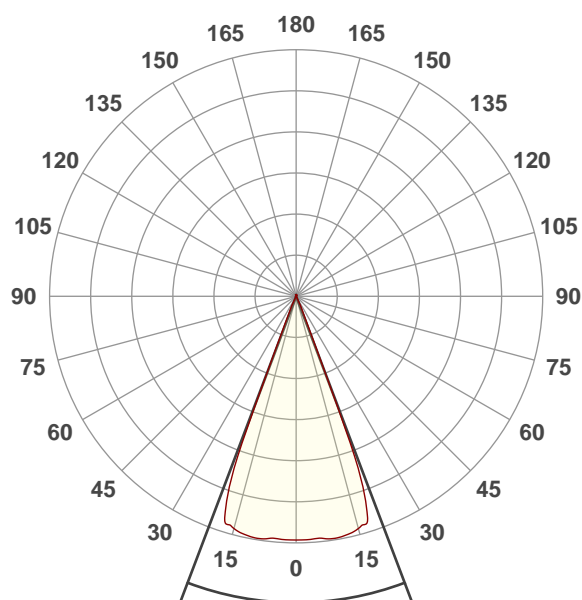
MEASURAMENT CONDITIONS:

Beam angle:
PRL25-50 Max Zoom

Target:
6000K HQ

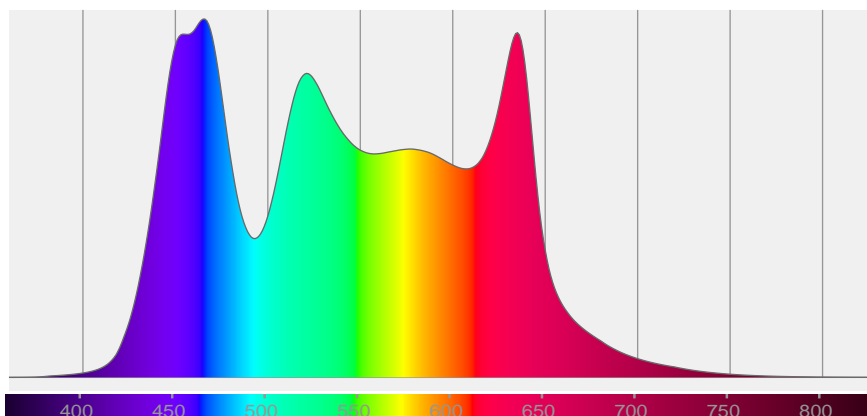
Operator:
Paolo Carvone

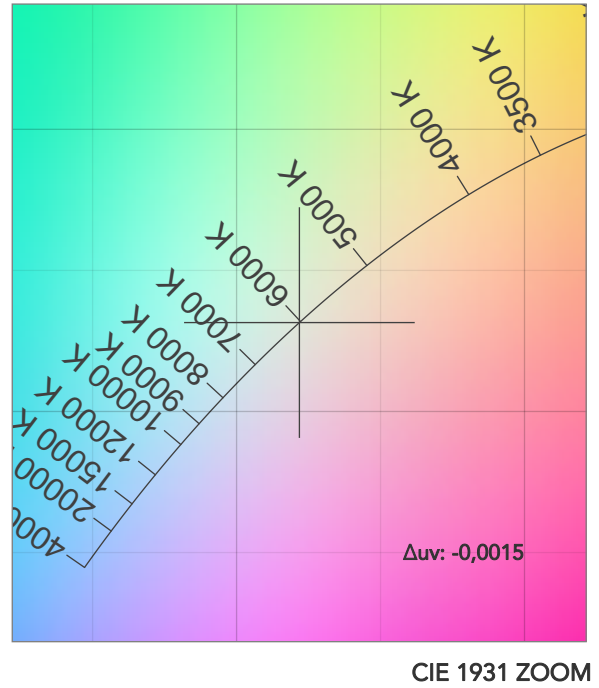
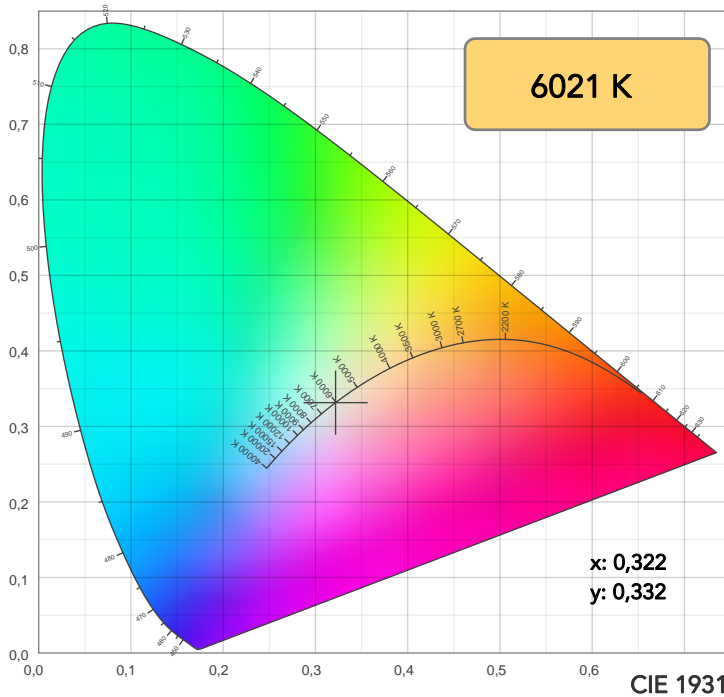
Date and time:
15/07/2020 11:35:15



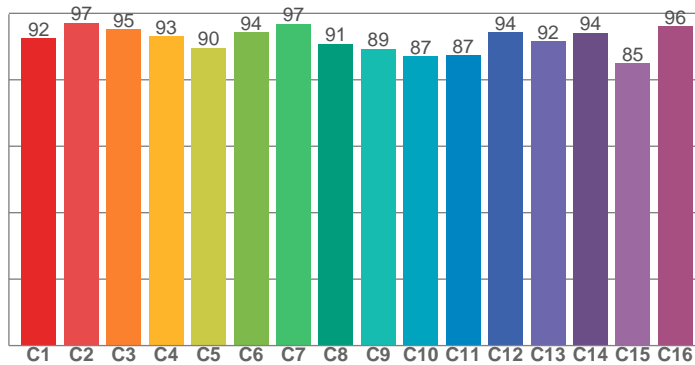
Beam angle 50%: 41,5°
Field angle 10%: 44,7°
Cut off angle 2.5%: 47,5°

Spectra

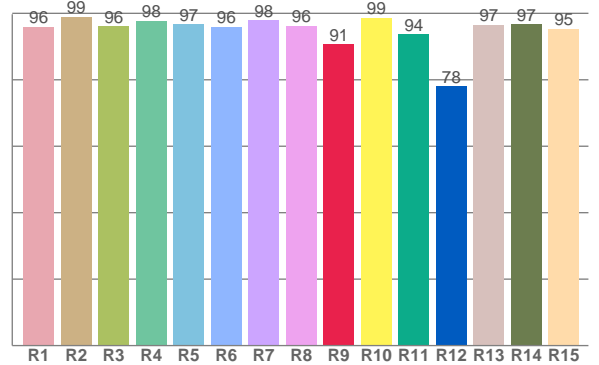




TM30: 91,8



CRI: 96,9 (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
96,0	99,0	96,0	97,8	96,6	95,9	97,9	96,2	90,7	98,6	93,7	78,1	96,6	96,6	95,3

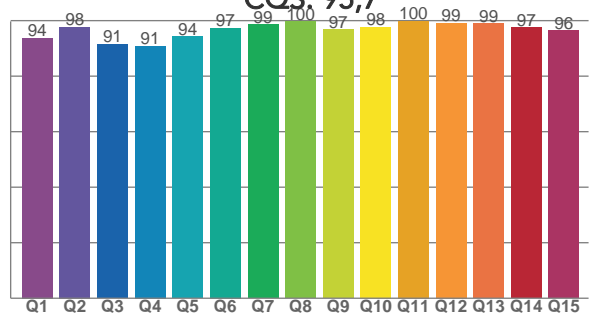
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,4	97,0	95,2	93,1	89,6	94,3	96,8	90,8	89,3	87,0	87,3	94,3	91,5	94,1	84,9	96,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,7	97,6	91,5	90,8	94,3	97,4	98,5	99,6	96,8	97,7	99,9	99,2	98,9	97,5	96,4

CQS: 95,7



COLOR PARAMETERS

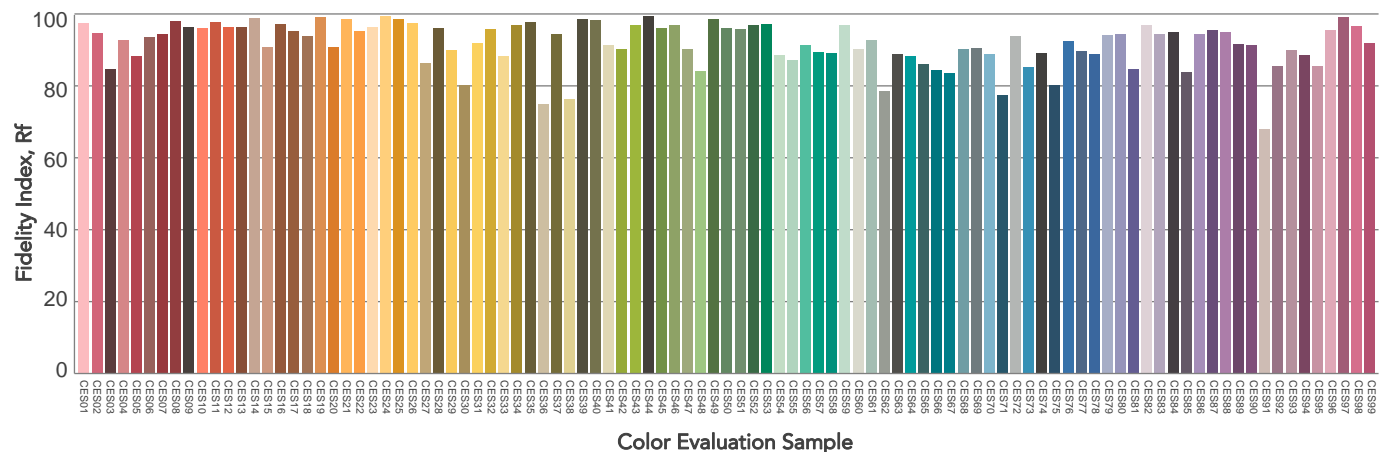
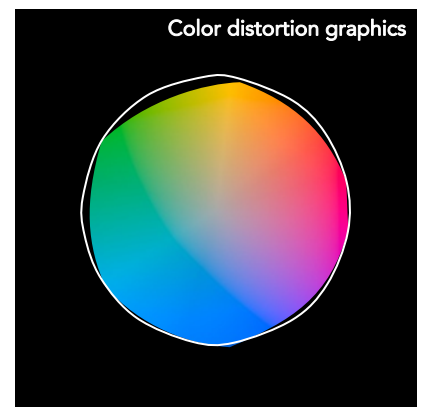
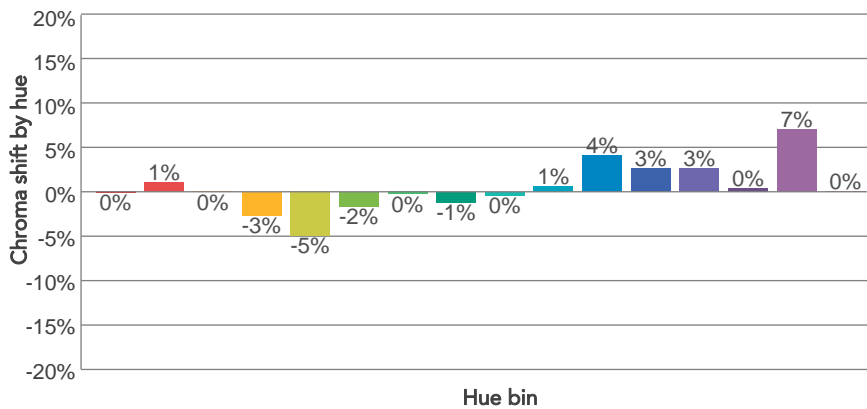
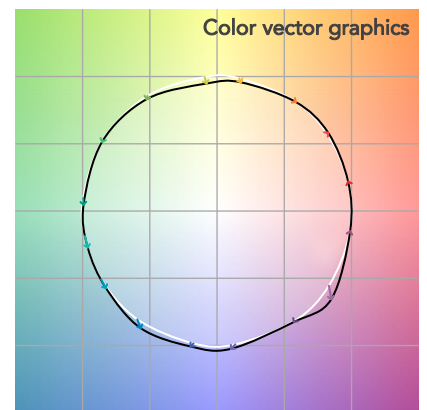
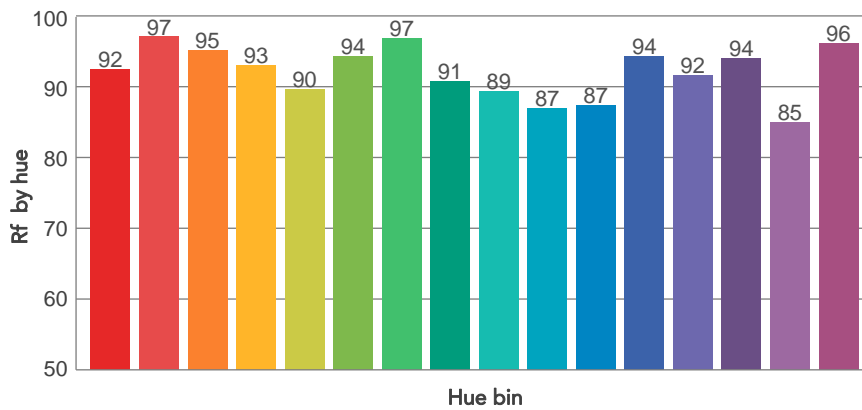
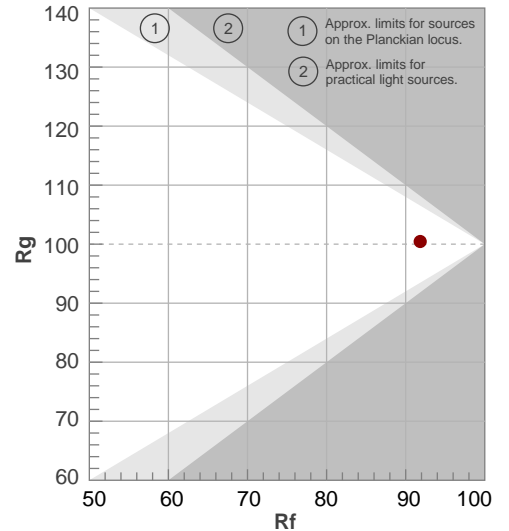
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6021 K	96,9	90,7	91,8	100,5	95,7	95	0,322	0,332	-0,0015

TM30 DETAILS

Rf 91,8
Fidelity index Rf

Rg 100,5
Gammut index

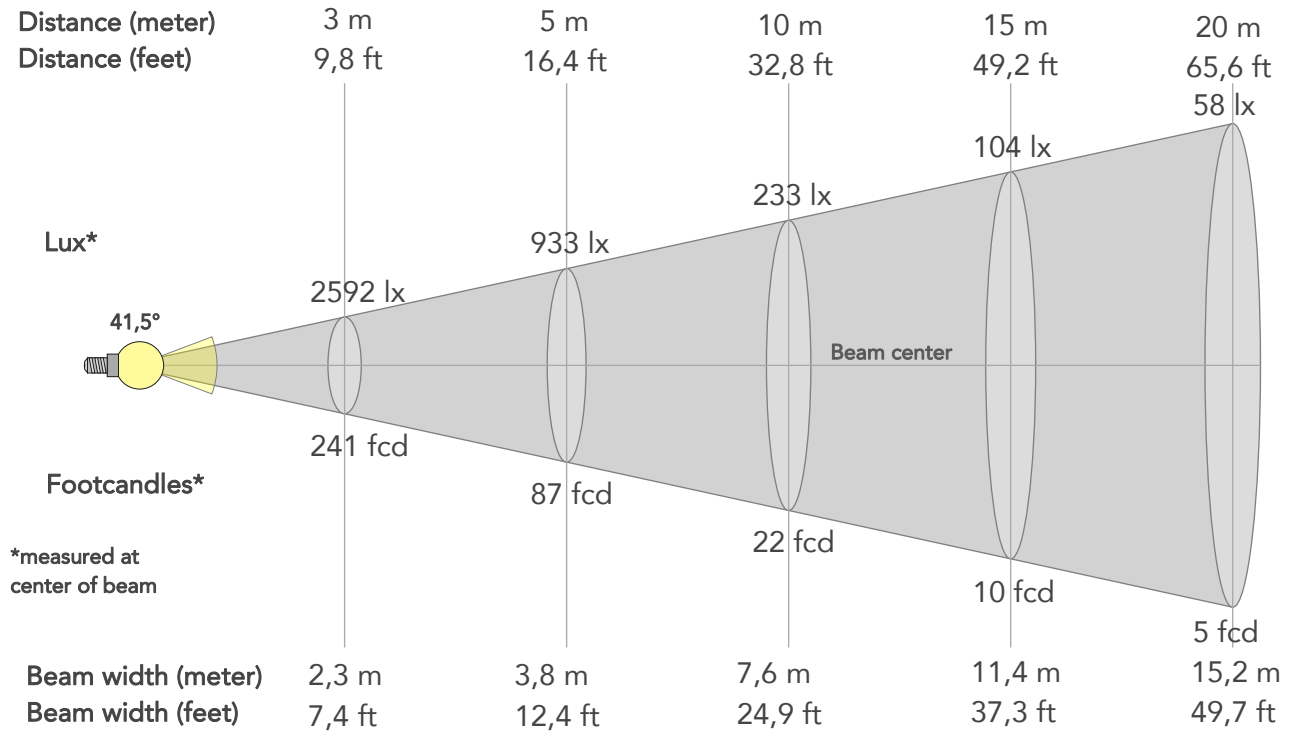
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	92	0%	1%
2	97	1%	0%
3	95	0%	-1%
4	93	-3%	-2%
5	90	-5%	0%
6	94	-2%	2%
7	97	0%	1%
8	91	-1%	5%
9	89	0%	9%
10	87	1%	7%
11	87	4%	6%
12	94	3%	-2%
13	92	3%	-4%
14	94	0%	-1%
15	85	7%	-7%
16	96	0%	1%



BEAM DETAILS



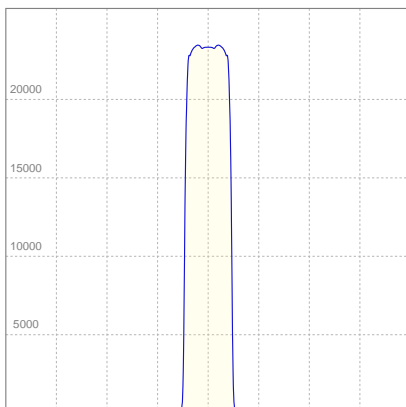
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
41,5°	44,7°	47,5°	99,6%	99,5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	23325lx	5831lx	2592lx	1458lx	933lx	415lx	233lx	104lx	58lx	37lx	26lx	15lx	9lx
Footcand.	2167fcd	542fcd	241fcd	135fcd	87fcd	39fcd	22fcd	10fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,5m	2,3m	3m	3,8m	5,7m	7,6m	11,4m	15,2m	18,9m	22,7m	30,3m	37,9m
Beam wid.	2,5ft	5ft	7,4ft	9,9ft	12,4ft	18,6ft	24,9ft	37,3ft	49,7ft	62,1ft	74,6ft	99,4ft	124,3ft

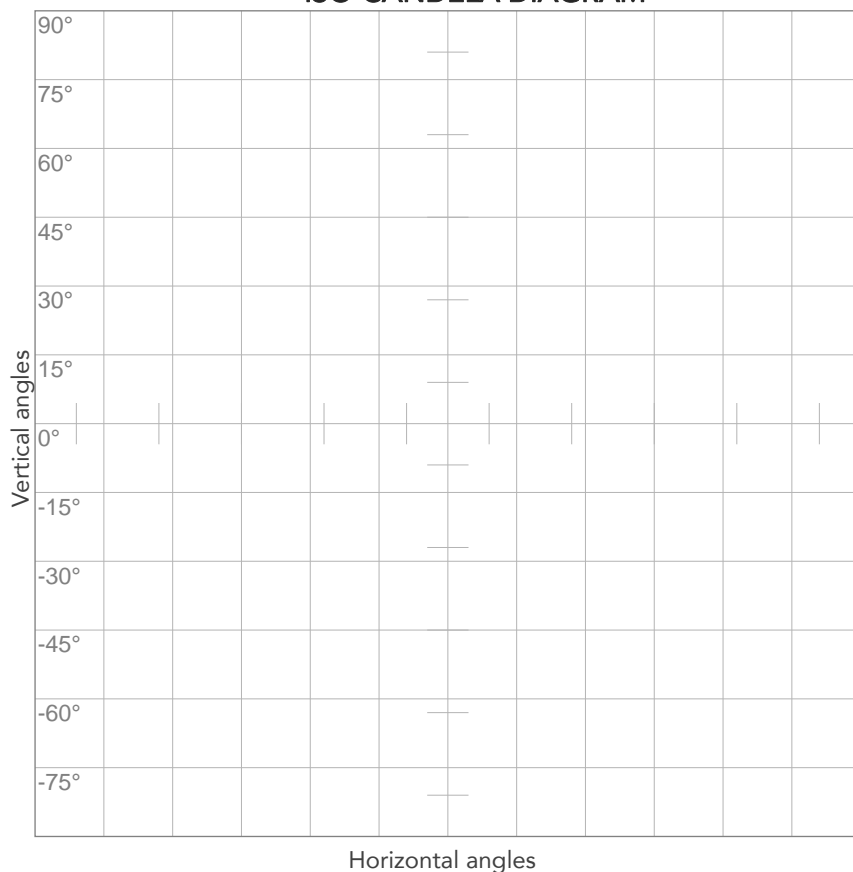
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	1,07A	229W	41lm/W

ISO CANDELA DIAGRAM



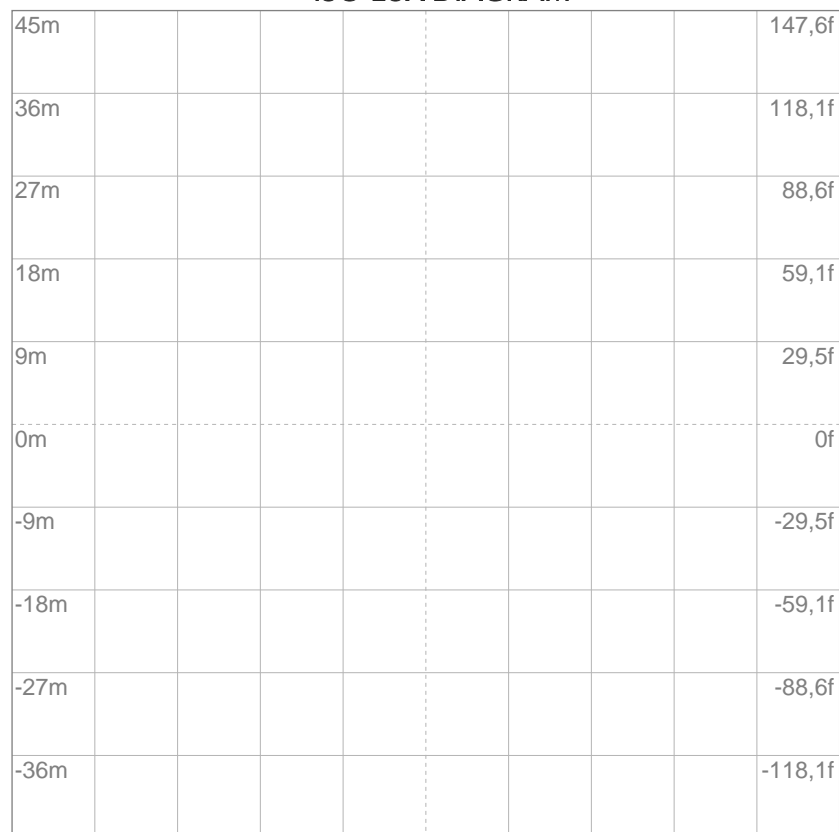
10%	2332 cd
20%	4665 cd
30%	6997 cd
40%	9330 cd
50%	11662 cd
60%	13995 cd
70%	16327 cd
80%	18660 cd

Conditions:

Number of c-planes: 2

Candela at center: 23325 cd

ISO LUX DIAGRAM



3%	7,00 lx
5%	11,7 lx
10%	23,3 lx
30%	70,0 lx
50%	117 lx

Conditions:

Number of c-planes: 2

Lux at center: 233 lx

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



Total lumen output:

6263 lm

Peak candela output:

64346 cd

Light quality:

CRI: 97,7

Color temperature:

6005 K

PRODUCT NAME:
ECLCTPLUS

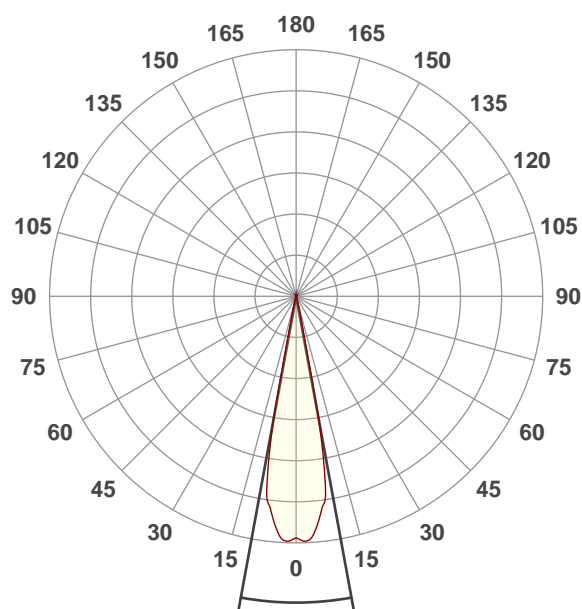
MEASURAMENT CONDITIONS:

Beam angle:
PRL25-50 Min Zoom

Target:
6000K HQ

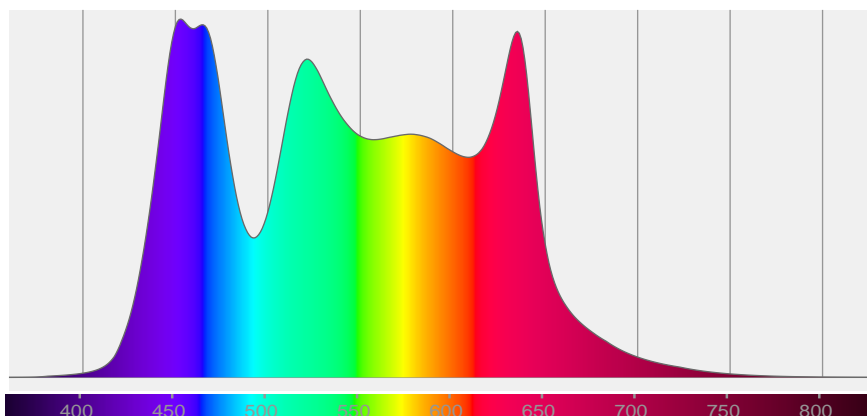
Operator:
Paolo Carvone

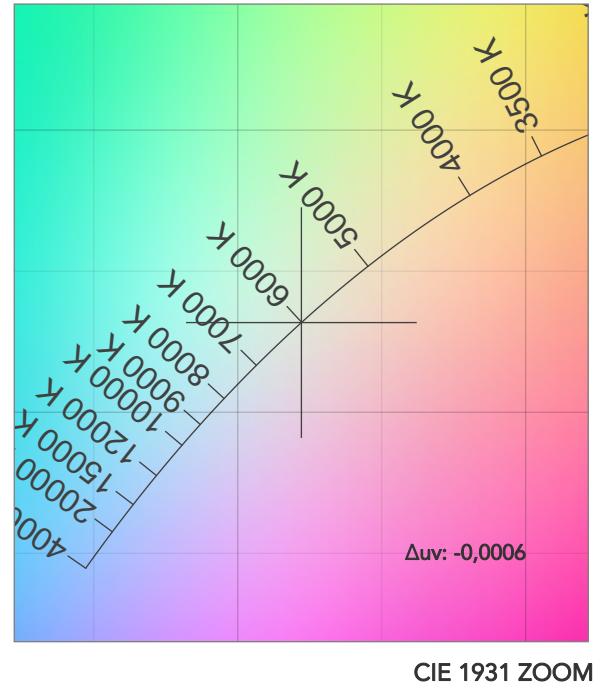
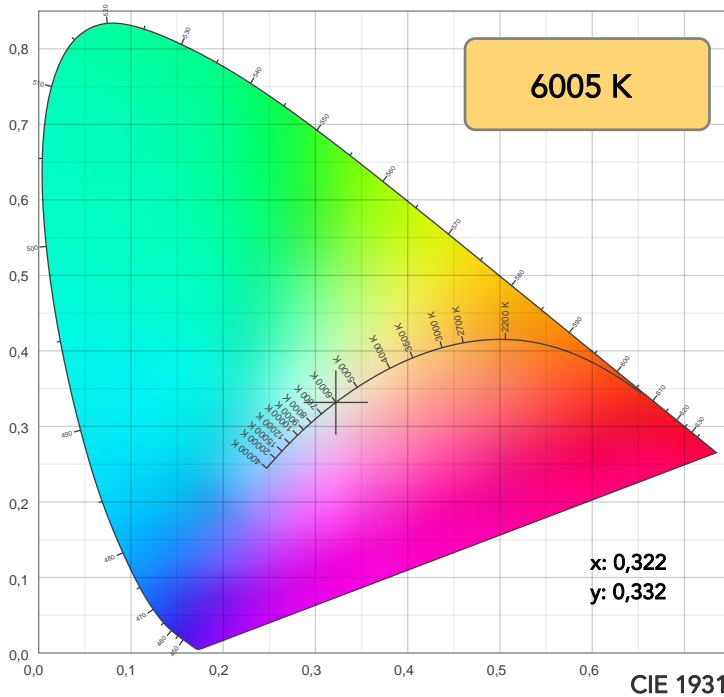
Date and time:
15/07/2020 10:45:10



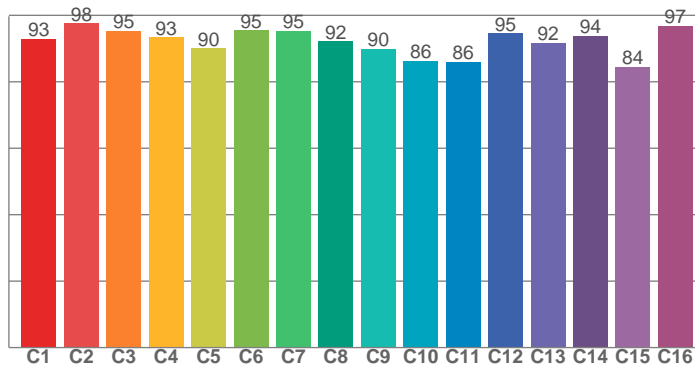
Beam angle 50%: 20,8°
Field angle 10%: 24°
Cut off angle 2.5%: 26,5°

Spectra

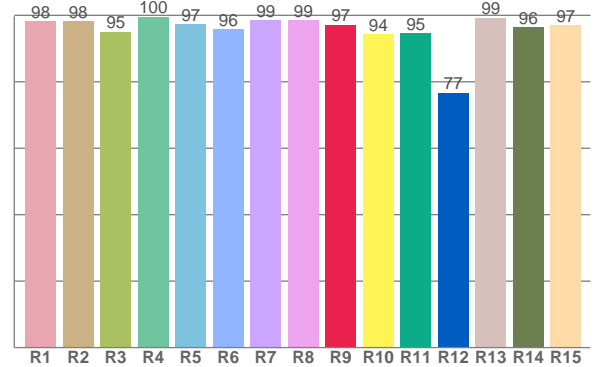




TM30: 92,0



CRI: 97,7 (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
98,3	98,3	95,0	99,6	97,3	95,8	98,6	98,6	97,2	94,3	94,6	76,7	99,3	96,3	97,1

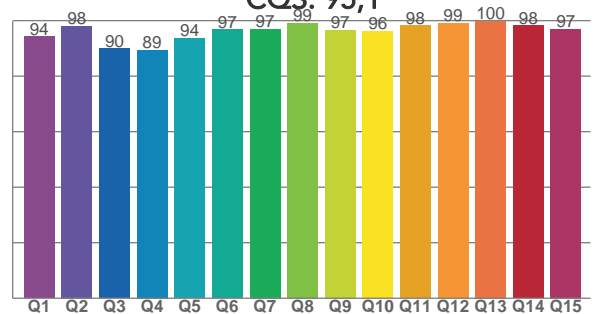
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,9	97,6	95,3	93,4	90,0	95,5	95,3	92,2	89,9	86,3	86,0	94,5	91,7	93,8	84,4	96,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,2	98,1	89,9	89,4	93,7	96,8	97,0	99,1	96,6	96,2	98,3	99,2	100,0	98,2	97,0

CQS: 95,1



COLOR PARAMETERS

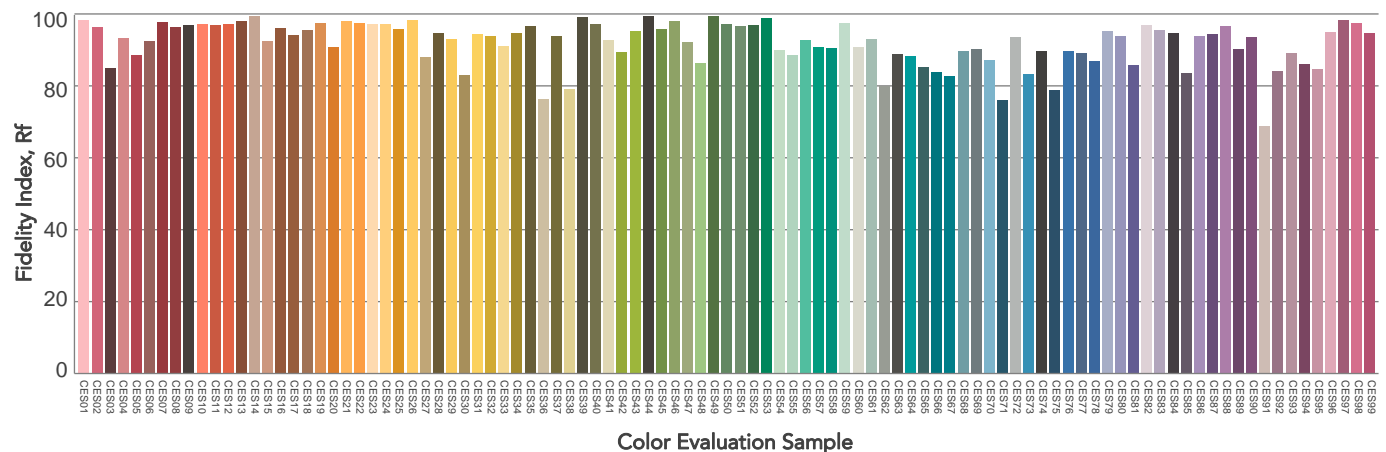
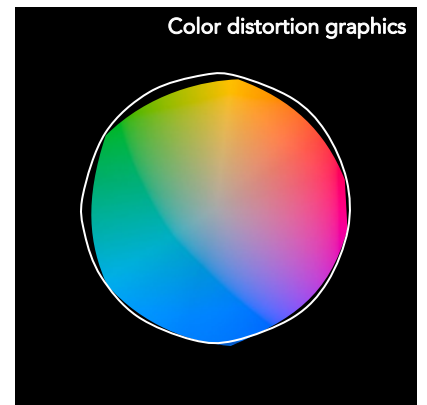
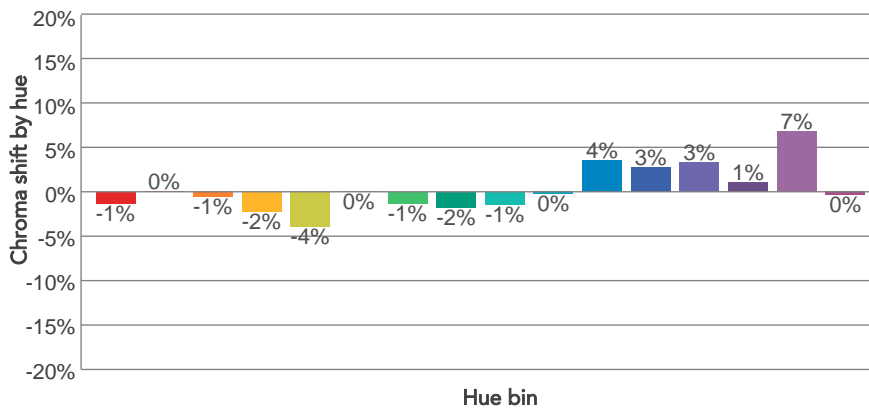
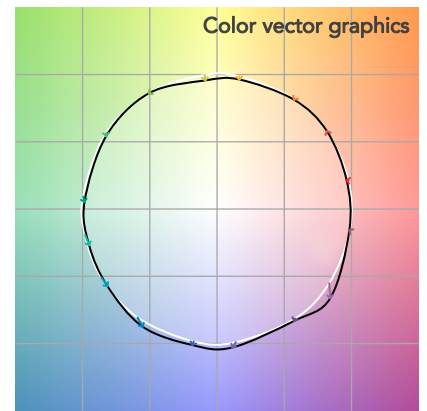
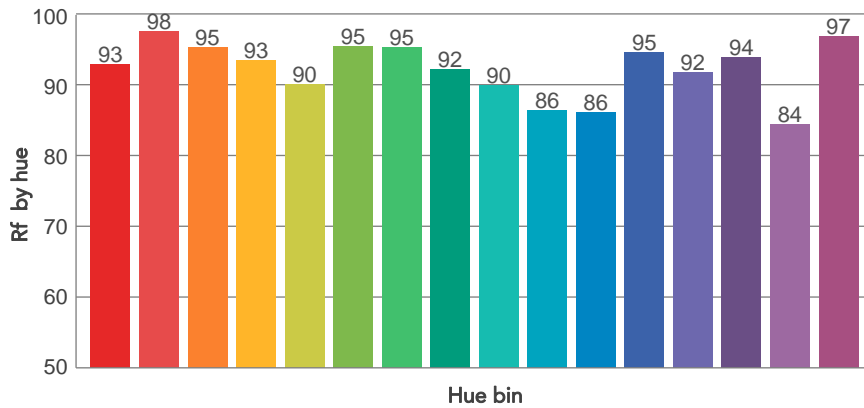
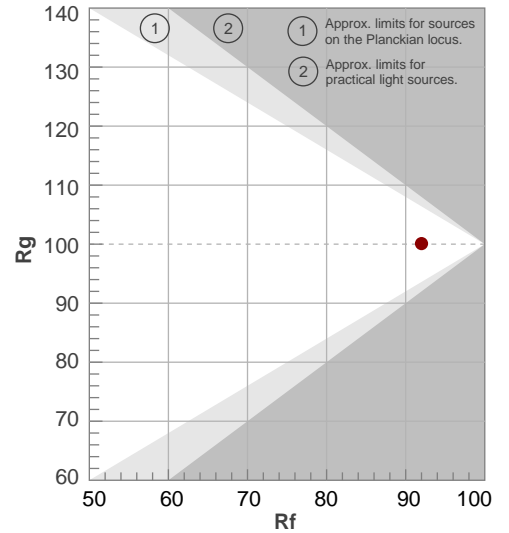
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6005 K	97,7	97,2	92,0	100,1	95,1	95	0,322	0,332	-0,0006

TM30 DETAILS

Rf 92,0
Fidelity index Rf

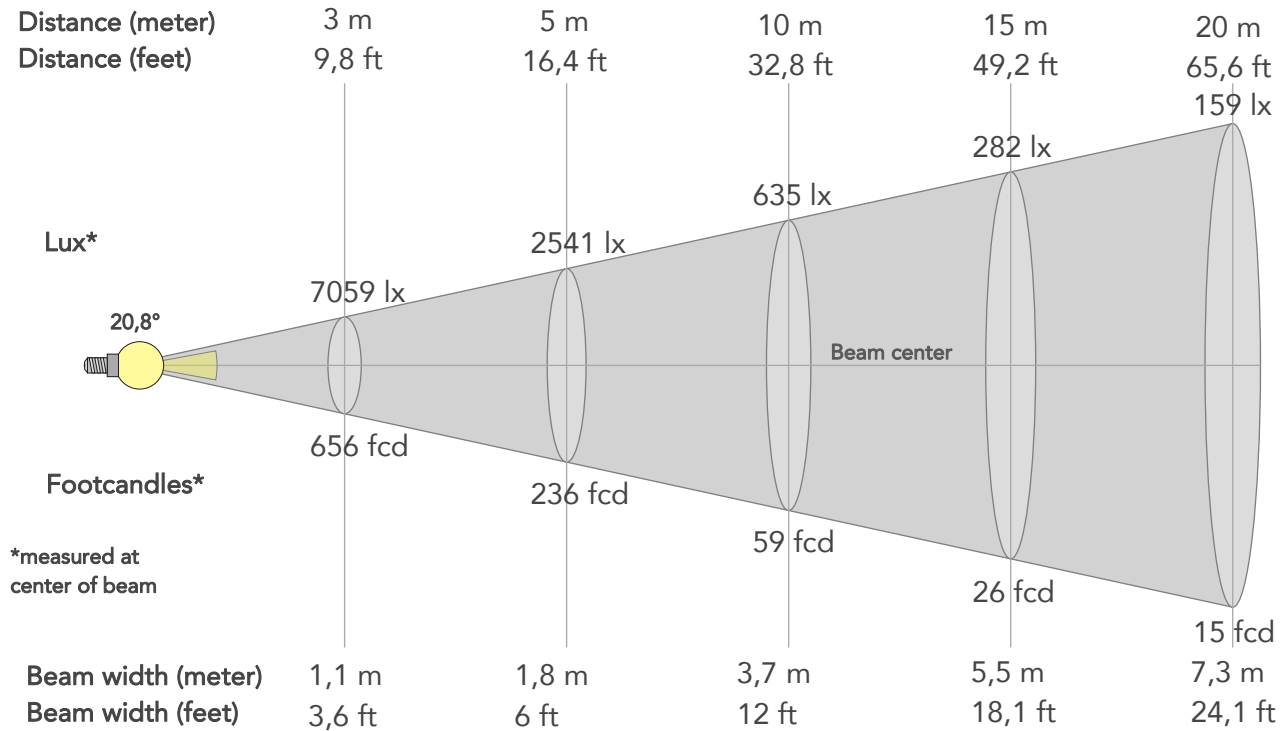
Rg 100,1
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-1%	1%
2	98	0%	1%
3	95	-1%	0%
4	93	-2%	-1%
5	90	-4%	0%
6	95	0%	2%
7	95	-1%	2%
8	92	-2%	4%
9	90	-1%	8%
10	86	0%	8%
11	86	4%	7%
12	95	3%	-1%
13	92	3%	-4%
14	94	1%	-2%
15	84	7%	-9%
16	97	0%	0%



BEAM DETAILS

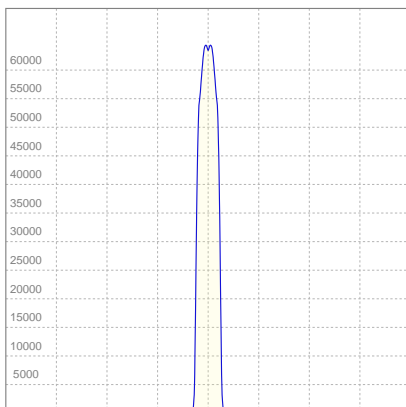
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,8°	24°	26,5°	100,0%	99,9%



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	63528lx	15882lx	7059lx	3971lx	2541lx	1129lx	635lx	282lx	159lx	102lx	71lx	40lx	25lx
Footcand.	5902fcd	1475fcd	656fcd	369fcd	236fcd	105fcd	59fcd	26fcd	15fcd	9fcd	7fcd	4fcd	2fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,8m	2,8m	3,7m	5,5m	7,3m	9,2m	11m	14,7m	18,4m
Beam wid.	1,2ft	2,4ft	3,6ft	4,8ft	6ft	9ft	12ft	18,1ft	24,1ft	30,1ft	36,1ft	48,2ft	60,2ft

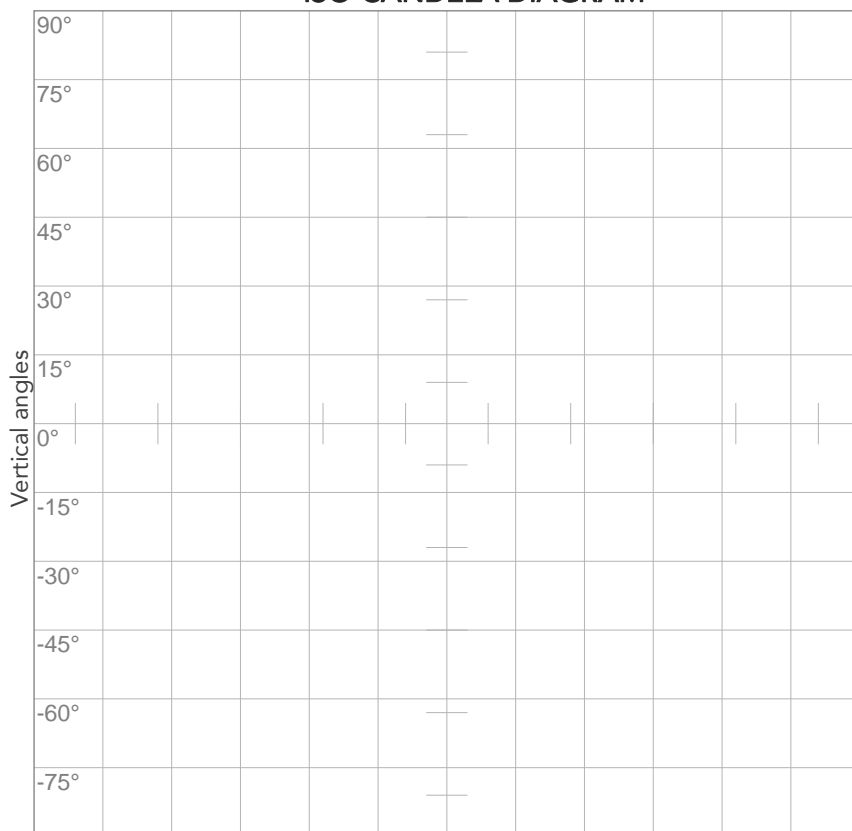
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Efficiency
226V	1,07A	229,3W	27lm/W

ISO CANDELA DIAGRAM



Horizontal angles

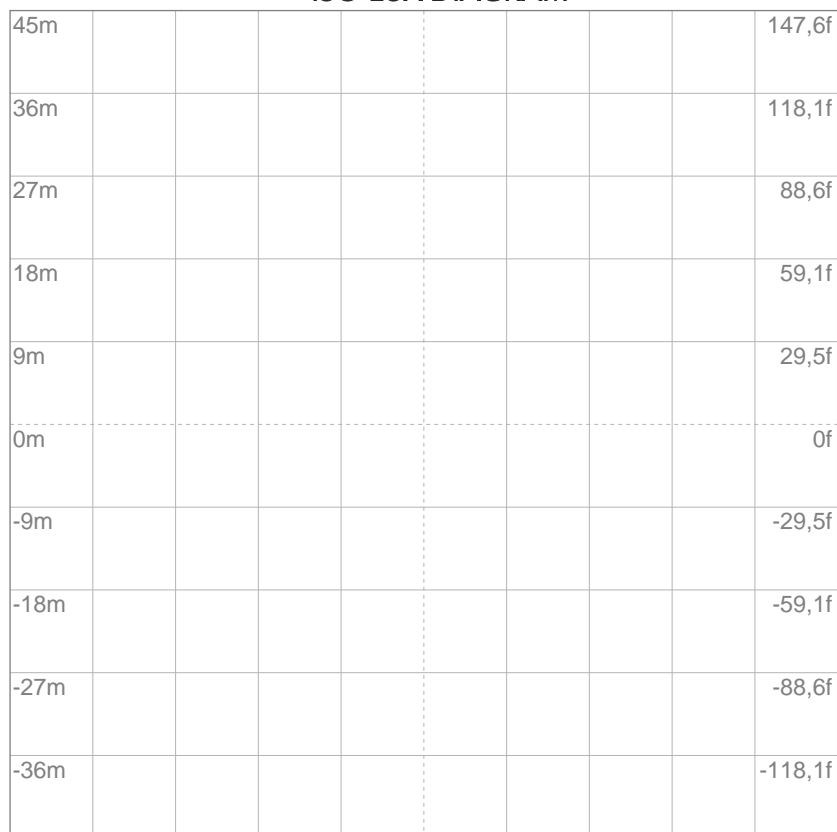
10%	6353 cd
20%	12706 cd
30%	19059 cd
40%	25411 cd
50%	31764 cd
60%	38117 cd
70%	44470 cd
80%	50823 cd

Conditions:

Number of c-planes: 2

Candela at center: 63528 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	19,1 lx
5%	31,8 lx
10%	63,5 lx
30%	191 lx
50%	318 lx

Conditions:

Number of c-planes: 2

Lux at center: 635 lx

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