

Photometric Test Report



SunRise 2FLXVW

IP65 modular LED blinder with 2x300W C.W.,
W.W. + Amber LED sources

CONTENTS

Table of contents	2
Testing process	3
Full On	4
Warm White	9
Cold White	14
2800 K	19
3200 K	24
4000 K	29
5600 K	34
6000 K	39

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:

37184 lm

Peak candela output:

41587 cd

Light quality:

CRI: 96,2

Color temperature:

4199 K

PRODUCT NAME:

SUNRISE2FLXVW

MEASURAMENT CONDITIONS:

Beam angle:

Original Optic

Target:

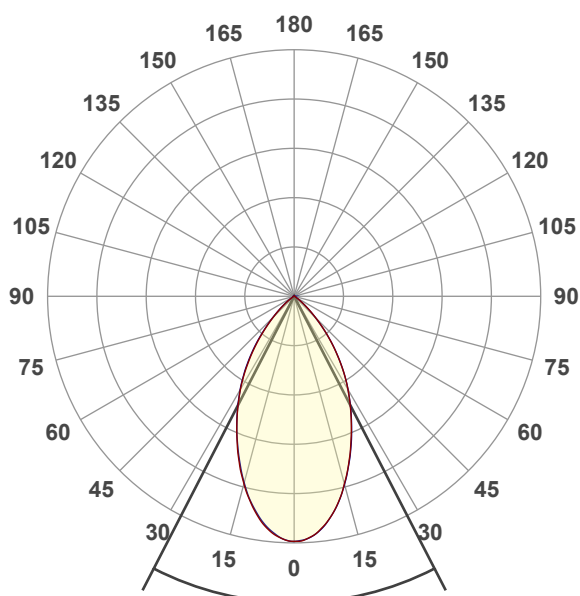
Full On

Operator:

Giuseppe della Peruta

Date and time:

22/08/2025 13:15:14

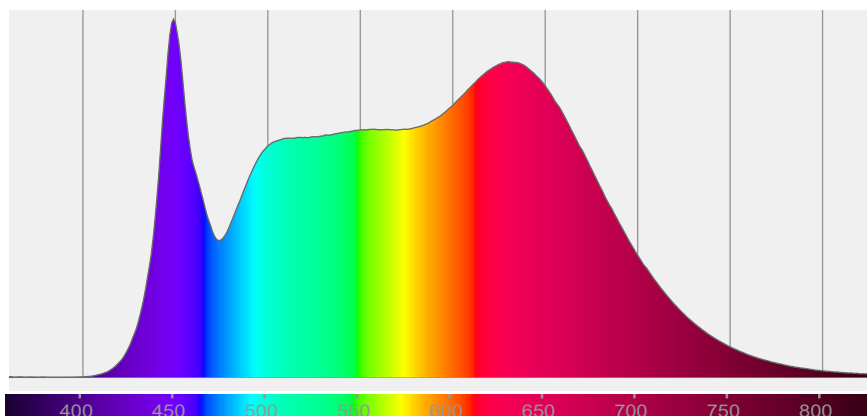


Beam angle 50%: 54,6°

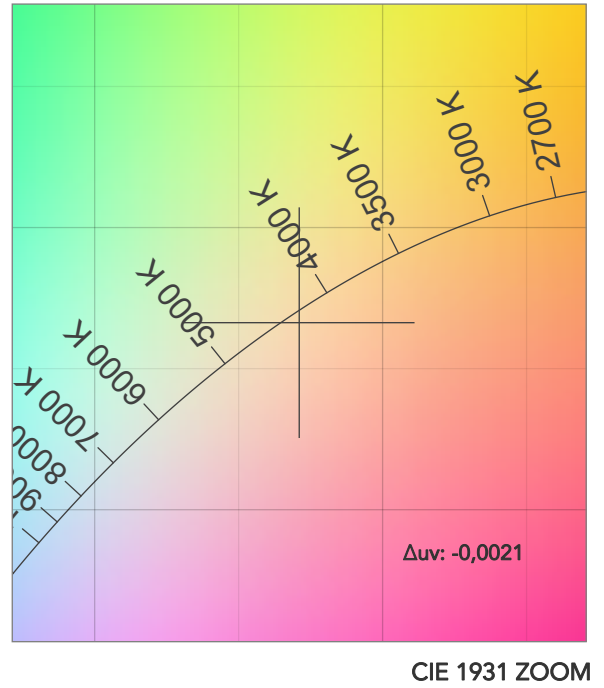
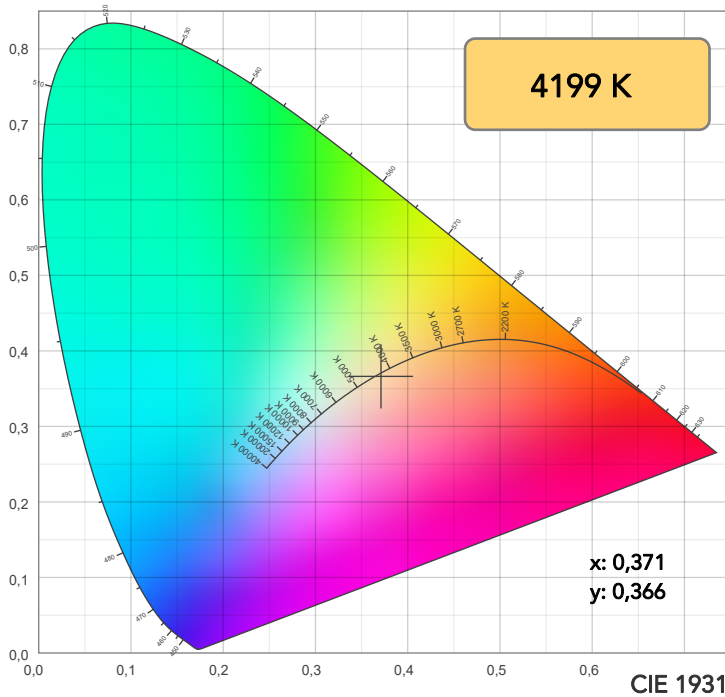
Field angle 10%: 92,9°

Cut off angle 2.5%: 108,5°

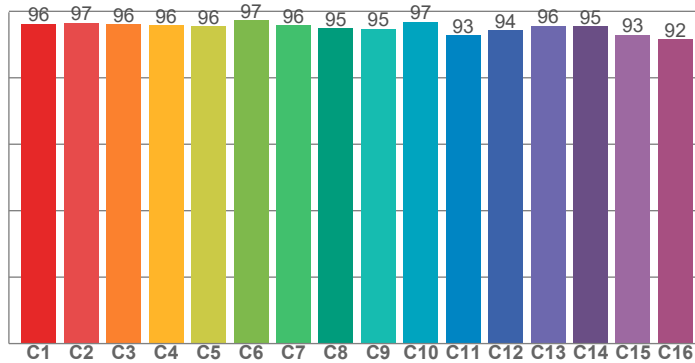
Spectra



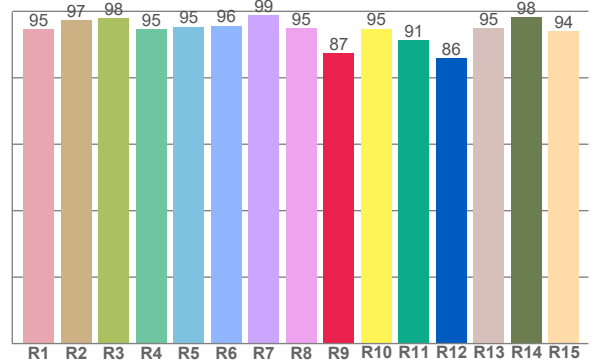
COLOR DETAILS



TM30: 95,2



CRI: 96,2 (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
94,6	97,3	98,0	94,7	95,4	95,7	98,9	95,0	87,4	94,8	91,2	85,9	95,0	98,3	93,9

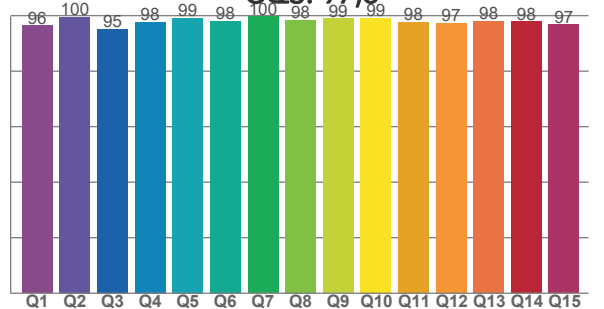
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,4	99,5	95,1	97,6	99,1	98,1	99,8	98,4	99,0	99,1	97,7	97,3	98,0	97,9	96,7

CQS: 97,6



COLOR PARAMETERS

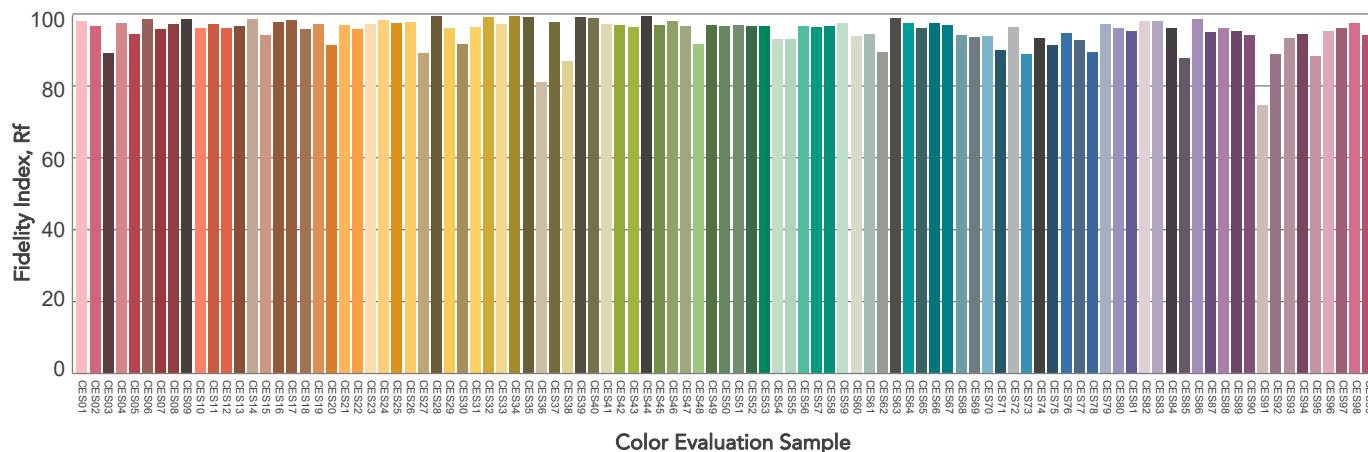
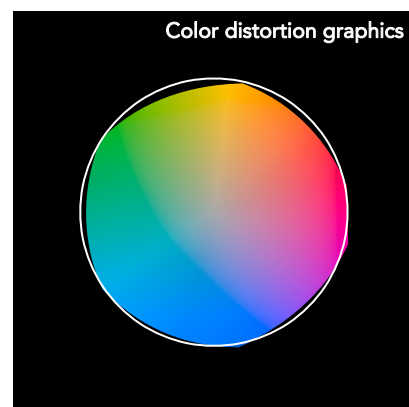
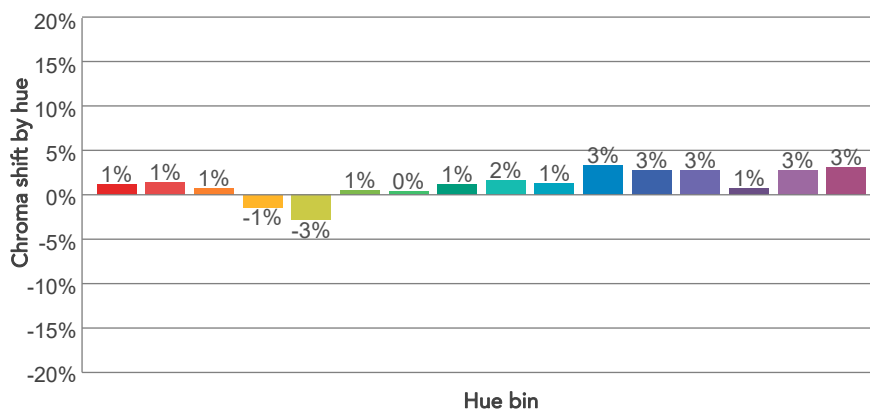
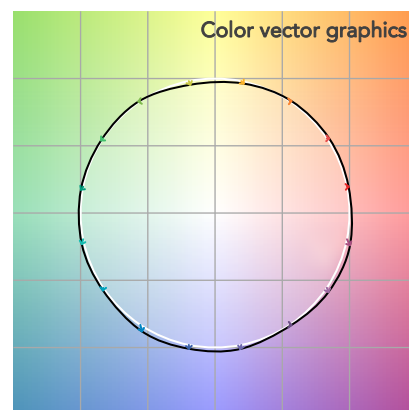
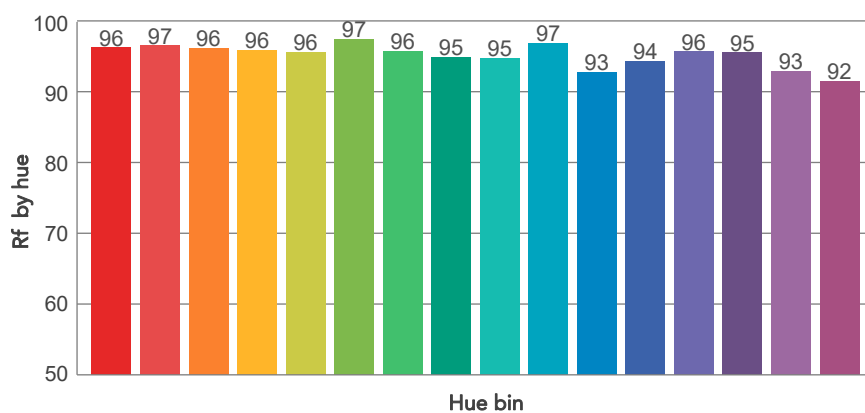
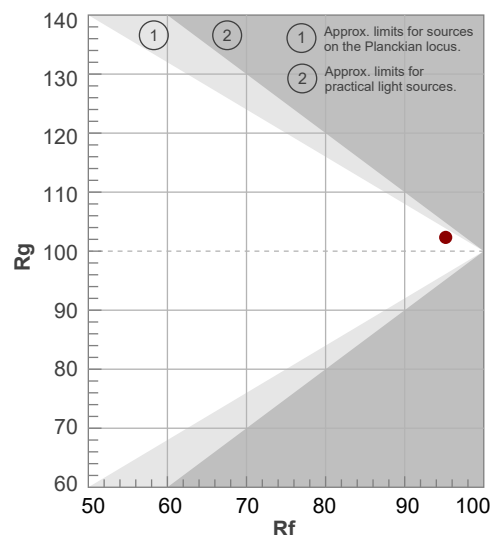
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting Index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4199 K	96,2	87,4	95,2	102,3	97,6	99	0,371	0,366	-0,0021

TM30 DETAILS

Rf 95,2
Fidelity index Rf

Rg 102,3
Gammut index

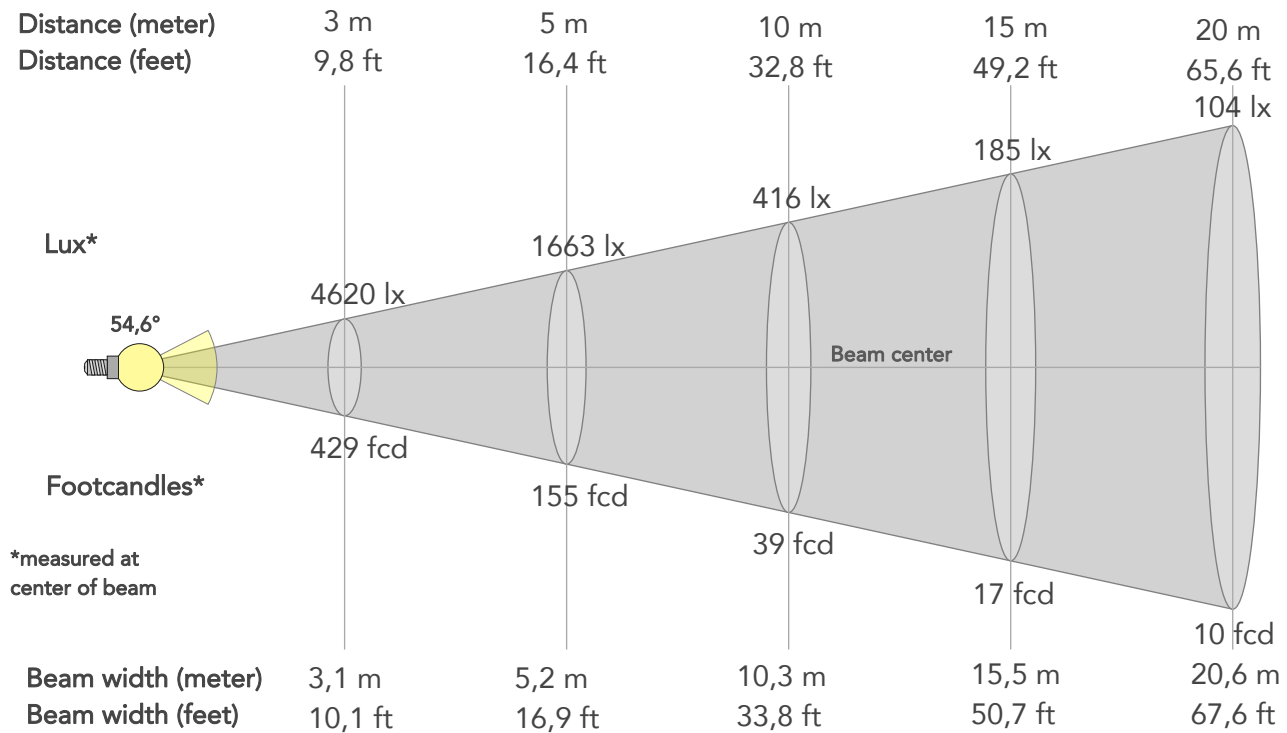
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	0%
2	97	1%	-1%
3	96	1%	-1%
4	96	-1%	-2%
5	96	-3%	-1%
6	97	1%	1%
7	96	0%	2%
8	95	1%	2%
9	95	2%	3%
10	97	1%	2%
11	93	3%	4%
12	94	3%	1%
13	96	3%	-1%
14	95	1%	1%
15	93	3%	-2%
16	92	3%	-4%



BEAM DETAILS



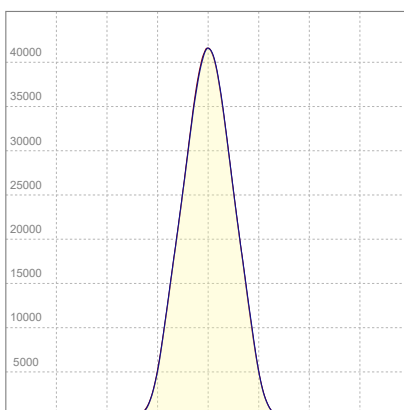
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
54,6°	92,9°	108,5°	99,0%	92,6%



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	41583lx	10396lx	4620lx	2599lx	1663lx	739lx	416lx	185lx	104lx	67lx	46lx	26lx	17lx
Footcand.	3863fcd	966fcd	429fcd	241fcd	155fcd	69fcd	39fcd	17fcd	10fcd	6fcd	4fcd	2fcd	2fcd
Beam wid.	1m	2,1m	3,1m	4,1m	5,2m	7,7m	10,3m	15,5m	20,6m	25,8m	30,9m	41,2m	51,6m
Beam wid.	3,4ft	6,8ft	10,1ft	13,5ft	16,9ft	25,4ft	33,8ft	50,7ft	67,6ft	84,6ft	101,5ft	135,3ft	169,1ft

LINEAR DISTRIBUTION DIAGRAM

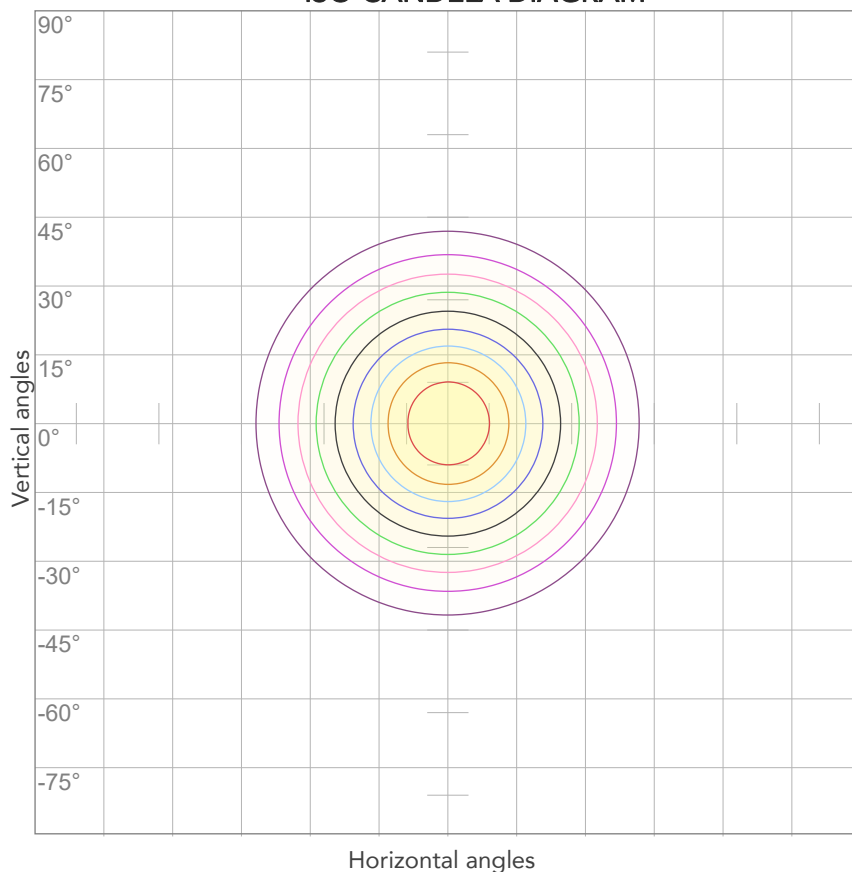


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	2,52A	573,6W	1,0	65lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



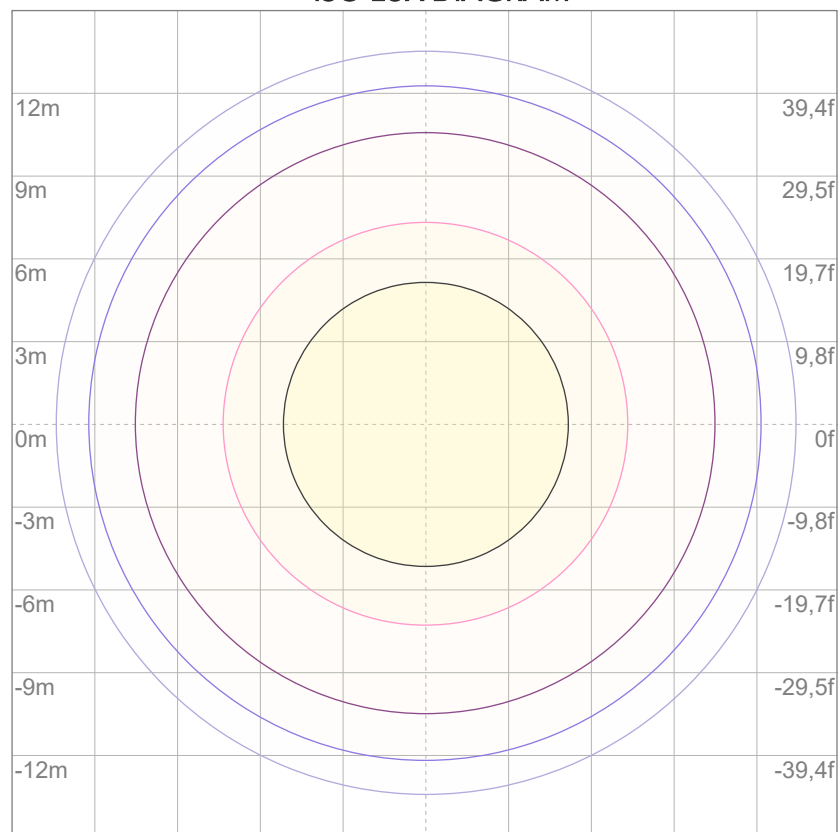
10%	4158 cd
20%	8317 cd
30%	12475 cd
40%	16633 cd
50%	20791 cd
60%	24950 cd
70%	29108 cd
80%	33266 cd

Conditions:

Number of c-planes: 4

Candela at center: 41583 cd

ISO LUX DIAGRAM



3%	12,5 lx
5%	20,8 lx
10%	41,6 lx
30%	125 lx
50%	208 lx

Conditions:

Number of c-planes: 4

Lux at center: 416 lx

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



Total lumen output:

27690 lm

Peak candela output:

31130 cd

Light quality:

CRI: 98,1

Color temperature:

2624 K

PRODUCT NAME:

SUNRISE2FLXVW

MEASURAMENT CONDITIONS:

Beam angle:

Original Optic

Target:

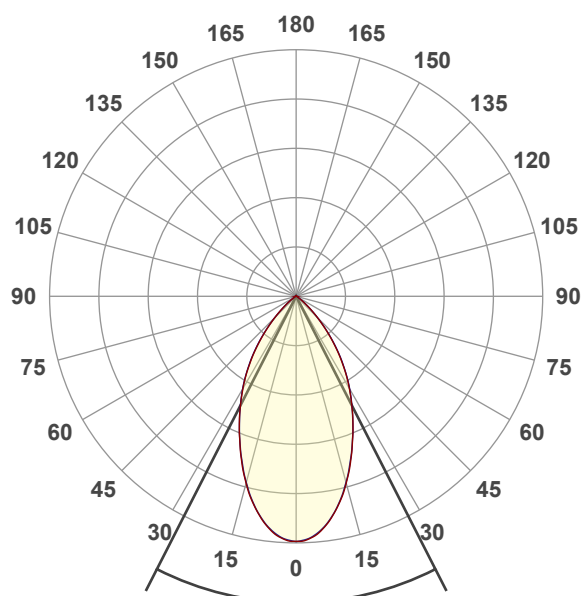
Warn White

Operator:

Giuseppe della Peruta

Date and time:

25/08/2025 14:26:05

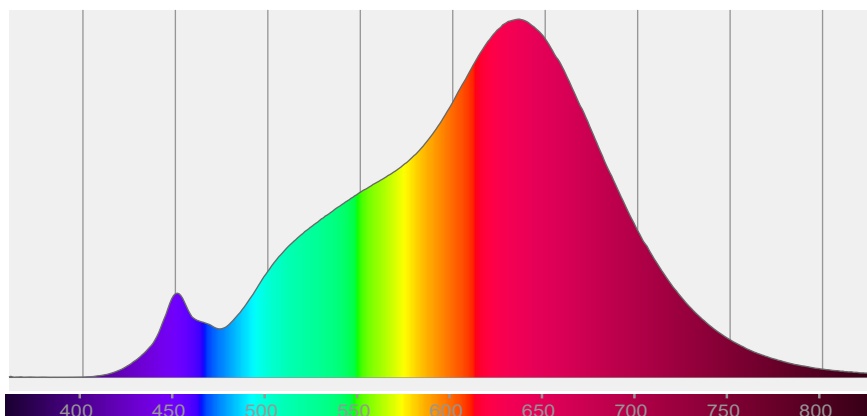


Beam angle 50%: 54,1°

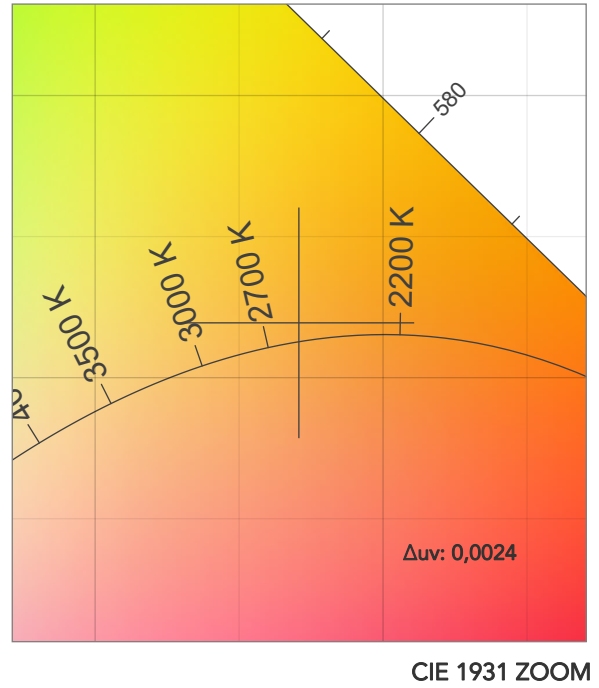
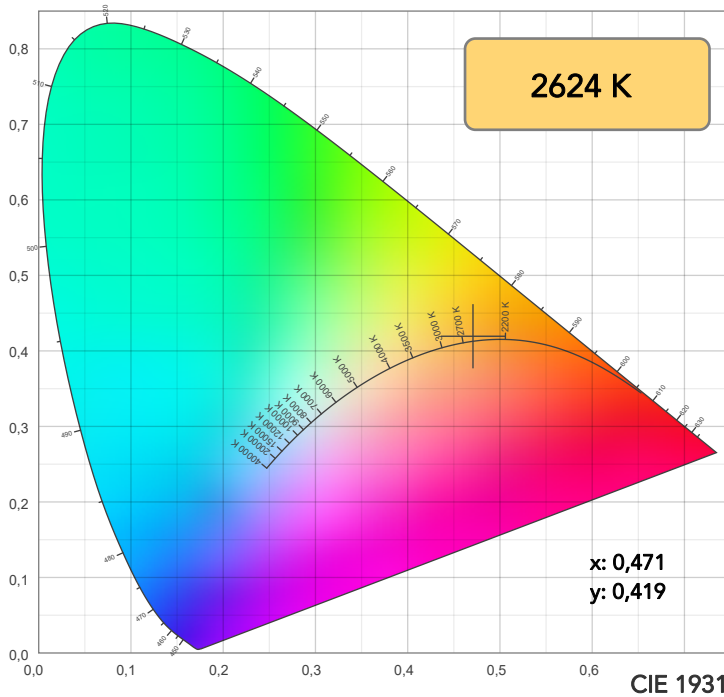
Field angle 10%: 92,9°

Cut off angle 2.5%: 108,3°

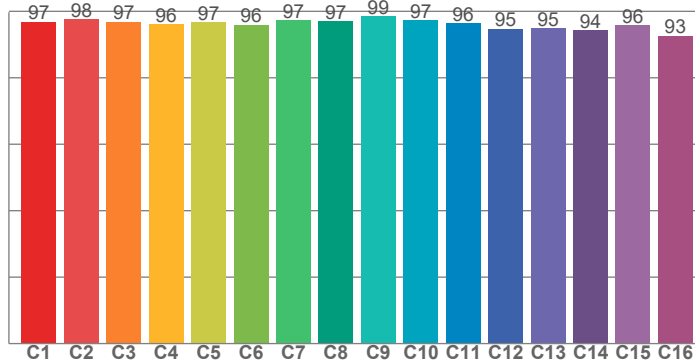
Spectra



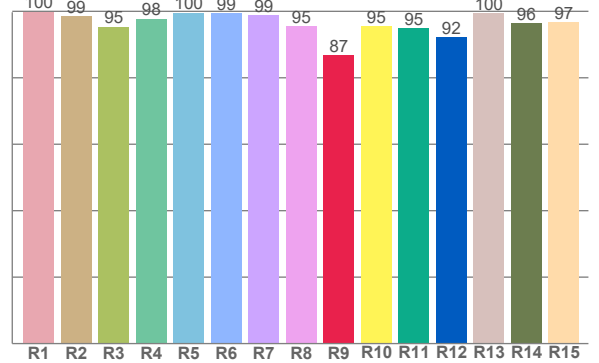
COLOR DETAILS



TM30: 96,3



CRI: 98,1 (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
99,9	98,5	95,4	97,8	99,6	99,4	98,8	95,4	86,9	95,4	94,8	92,2	99,5	96,3	96,7

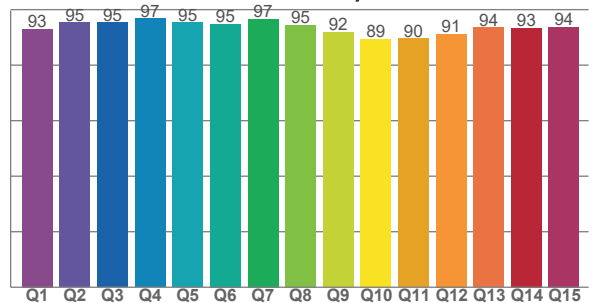
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,8	97,7	96,8	96,1	96,8	96,0	97,3	97,0	98,5	97,3	96,4	94,7	94,8	94,2	95,8	92,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,1	95,3	95,4	96,7	95,3	94,8	96,6	94,5	92,0	89,4	89,6	91,3	93,6	93,5	93,8

CQS: 93,0



COLOR PARAMETERS

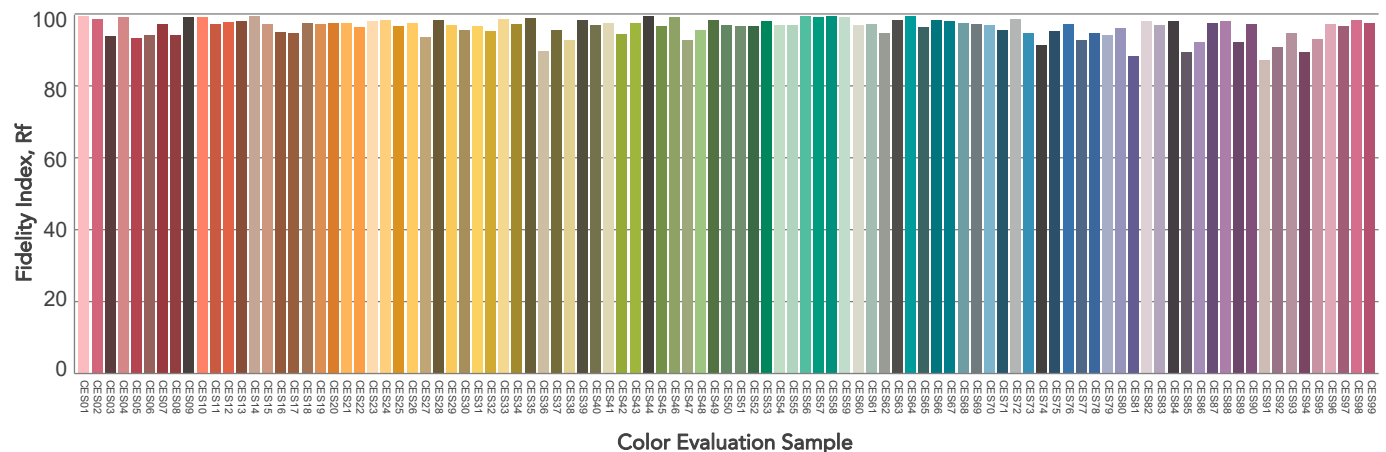
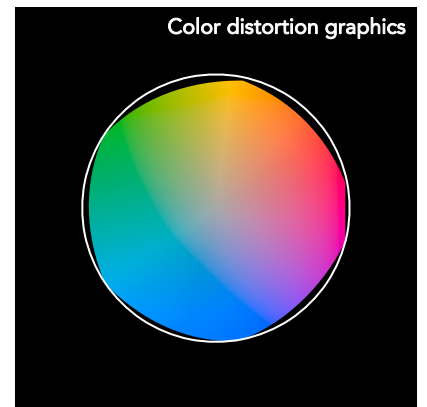
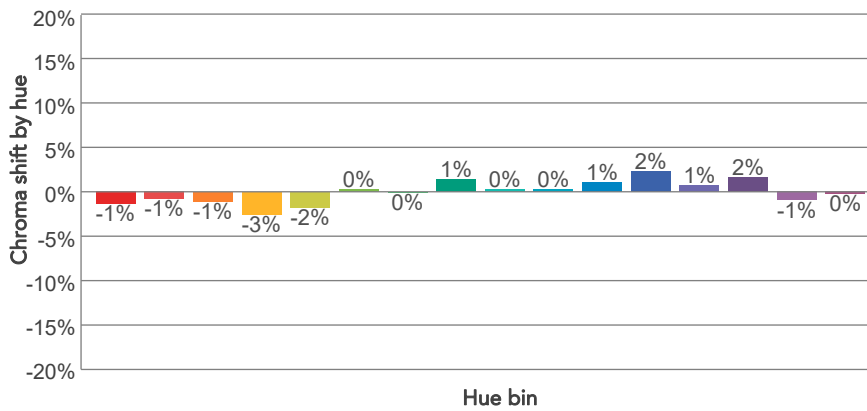
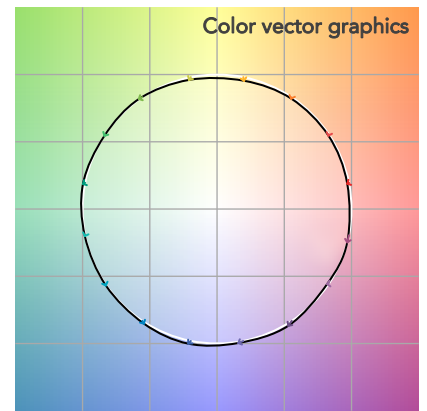
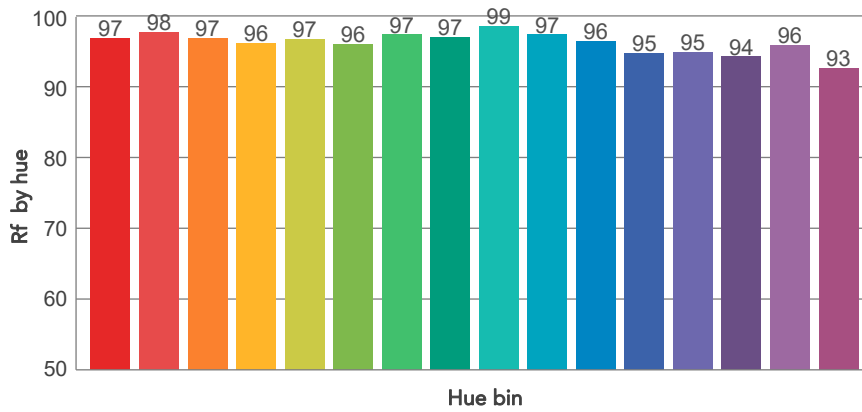
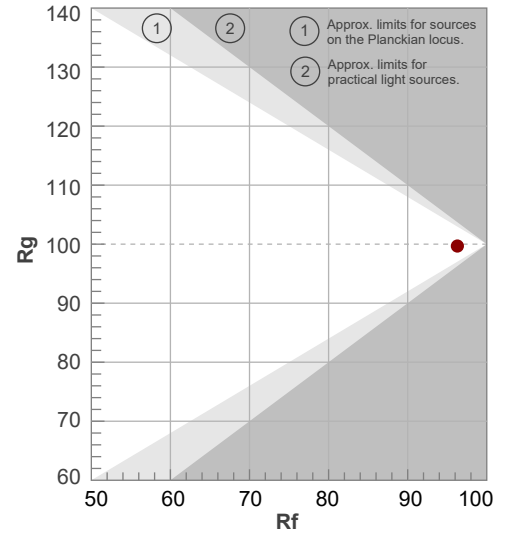
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2624 K	98,1	86,9	96,3	99,7	93,0	97	0,471	0,419	0,0024

TM30 DETAILS

Rf 96,3
Fidelity index Rf

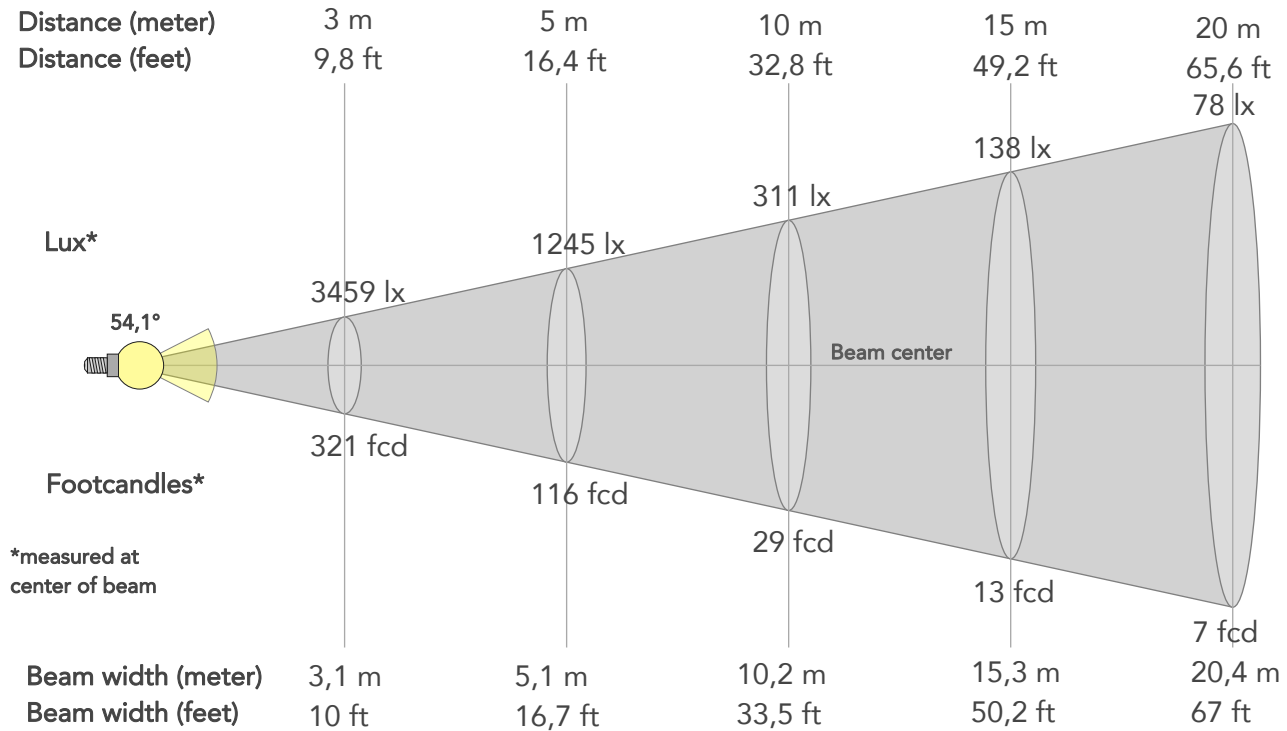
Rg 99,7
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	-1%	0%
2	98	-1%	-1%
3	97	-1%	0%
4	96	-3%	-1%
5	97	-2%	2%
6	96	0%	3%
7	97	0%	1%
8	97	1%	1%
9	99	0%	1%
10	97	0%	1%
11	96	1%	2%
12	95	2%	-1%
13	95	1%	-4%
14	94	2%	-4%
15	96	-1%	-1%
16	93	0%	-5%



BEAM DETAILS

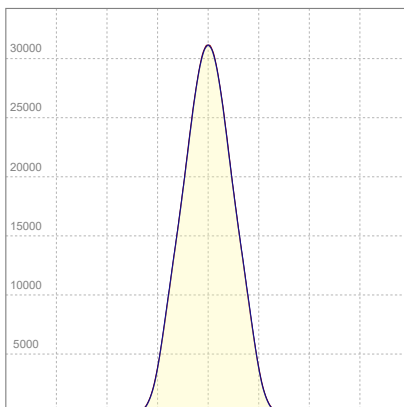
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
54,1°	92,9°	108,3°	99,0%	92,6%



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	31130lx	7782lx	3459lx	1946lx	1245lx	553lx	311lx	138lx	78lx	50lx	35lx	19lx	12lx
Footcand.	2892fcd	723fcd	321fcd	181fcd	116fcd	51fcd	29fcd	13fcd	7fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	1m	2m	3,1m	4,1m	5,1m	7,7m	10,2m	15,3m	20,4m	25,5m	30,6m	40,8m	51m
Beam wid.	3,4ft	6,7ft	10ft	13,4ft	16,7ft	25,1ft	33,5ft	50,2ft	67ft	83,7ft	100,4ft	133,9ft	167,4ft

LINEAR DISTRIBUTION DIAGRAM

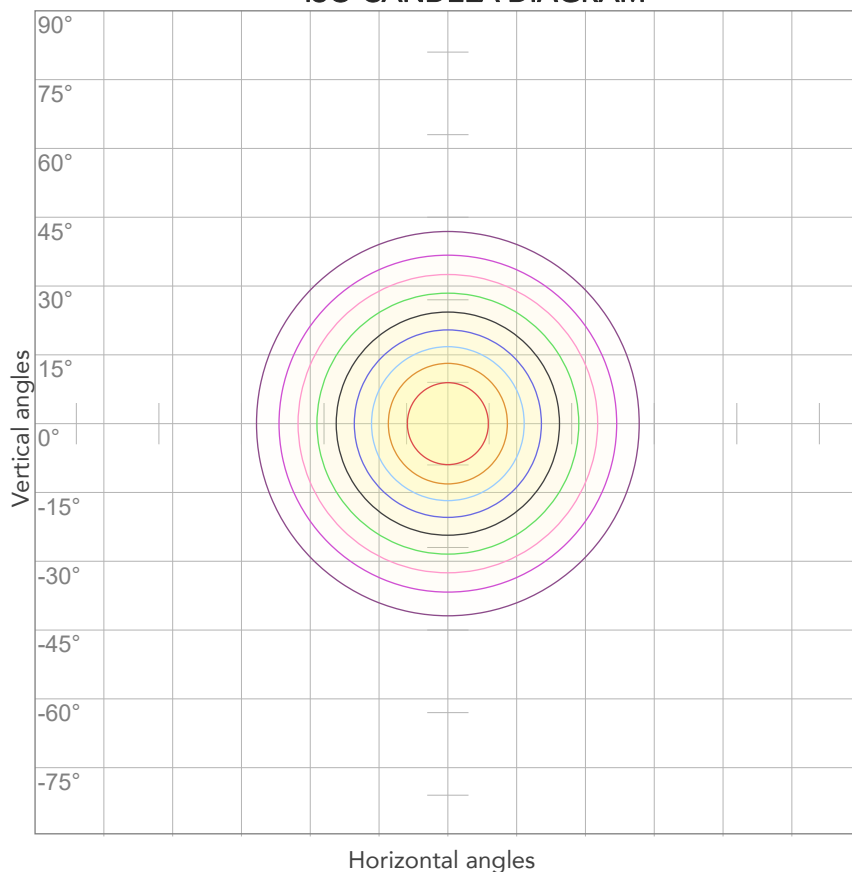


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	2,18A	491,5W	1,0	56lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



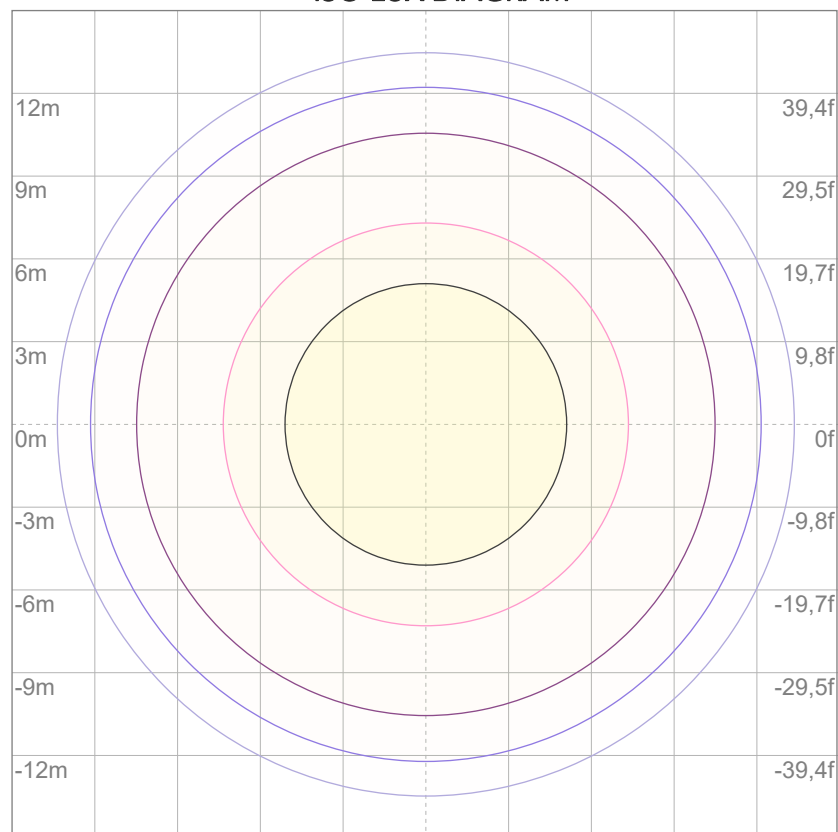
10%	3113 cd
20%	6226 cd
30%	9339 cd
40%	12452 cd
50%	15565 cd
60%	18678 cd
70%	21791 cd
80%	24904 cd

Conditions:

Number of c-planes: 4

Candela at center: 31130 cd

ISO LUX DIAGRAM



3%	9,34 lx
5%	15,6 lx
10%	31,1 lx
30%	93,4 lx
50%	156 lx

Conditions:

Number of c-planes: 4

Lux at center: 311 lx

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



Total lumen output:

34571 lm

Peak candela output:

38337 cd

Light quality:

CRI: 97,6

Color temperature:

6773 K

PRODUCT NAME:

SUNRISE2FLXVW

MEASURAMENT CONDITIONS:

Beam angle:

Original Optic

Target:

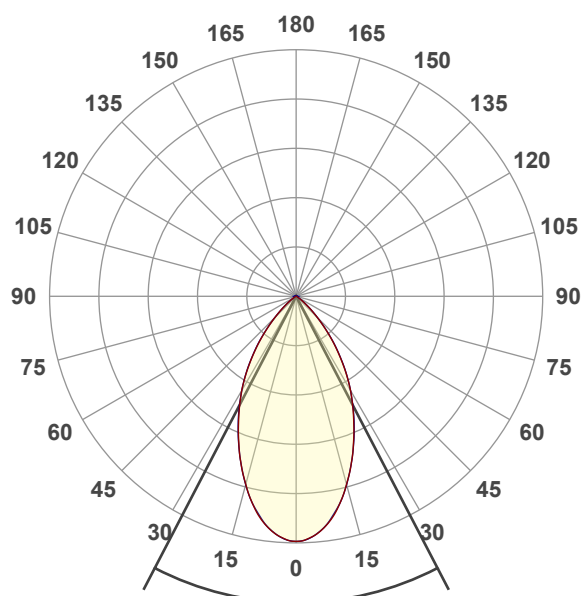
Cold White

Operator:

Giuseppe della Peruta

Date and time:

22/08/2025 13:21:51

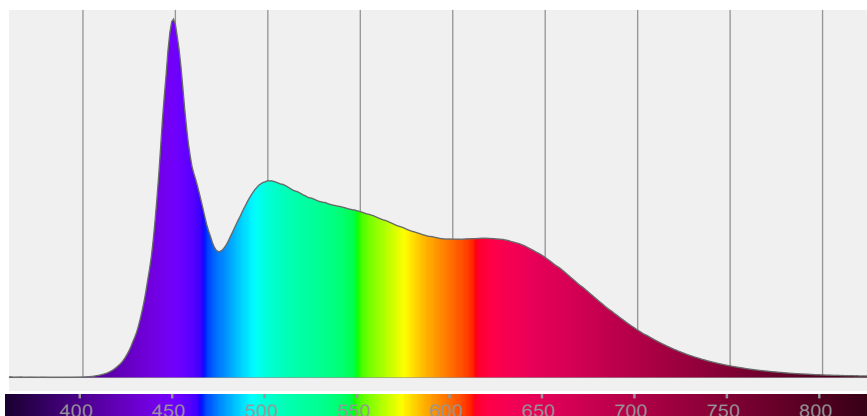


Beam angle 50%: 55°

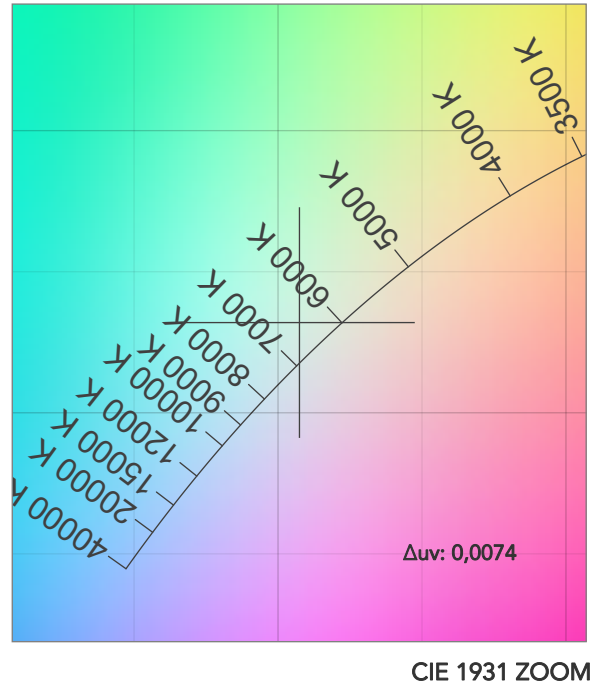
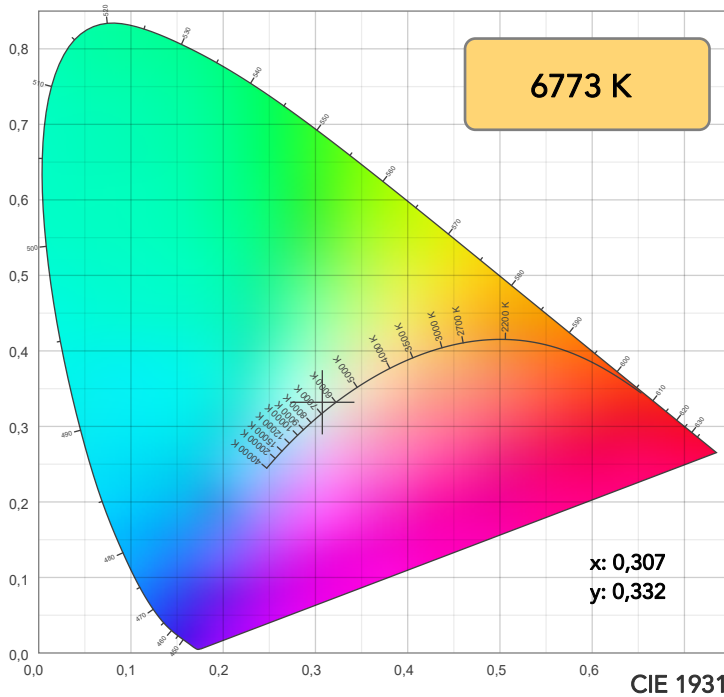
Field angle 10%: 93°

Cut off angle 2.5%: 108,7°

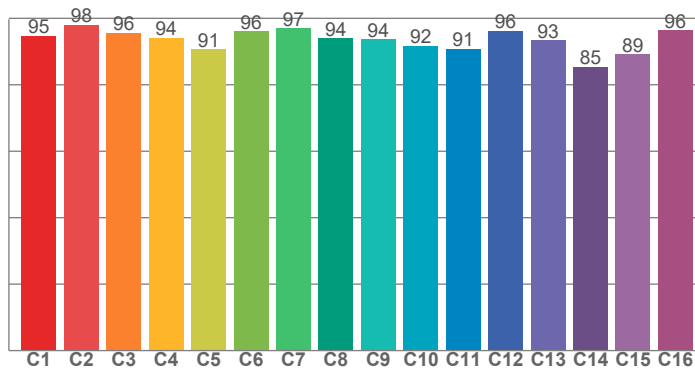
Spectra



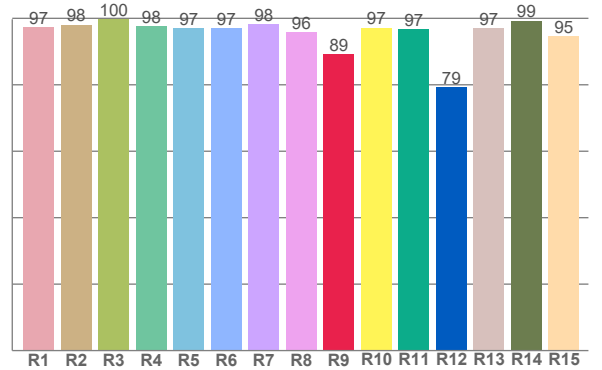
COLOR DETAILS



TM30: 93,7



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
97,4	98,1	99,8	97,6	97,0	97,0	98,2	95,9	89,3	97,2	96,8	79,3	97,0	99,3	94,6

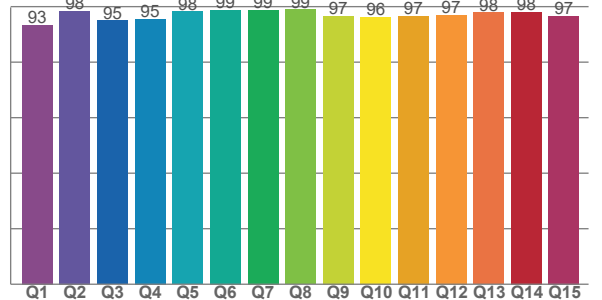
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,7	98,0	95,7	94,1	90,6	96,1	97,0	94,1	93,6	91,8	90,8	96,2	93,4	85,4	89,1	96,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,4	98,5	95,0	95,5	98,2	98,7	98,8	99,0	96,7	96,2	96,7	96,9	97,8	98,0	96,6

CQS: 96,7



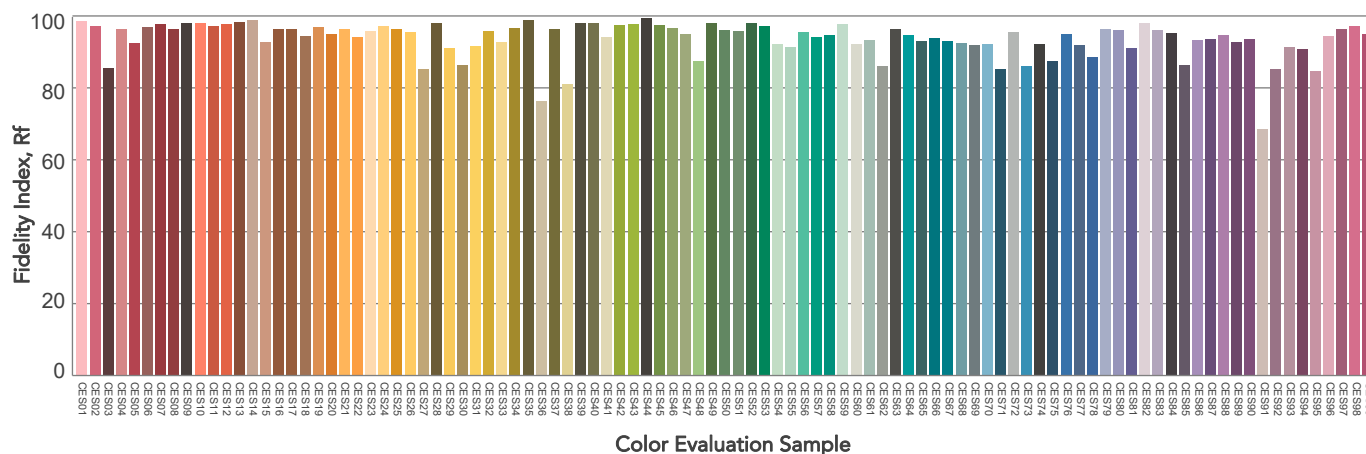
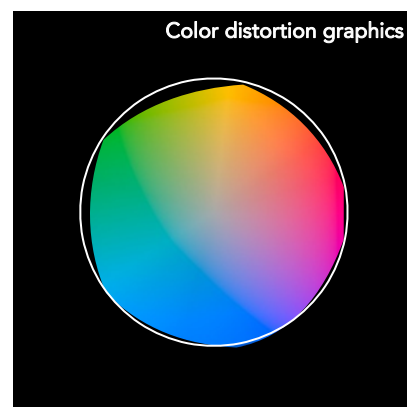
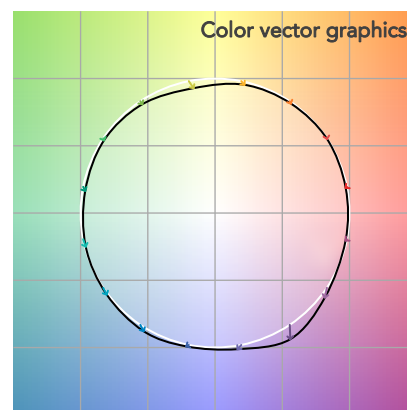
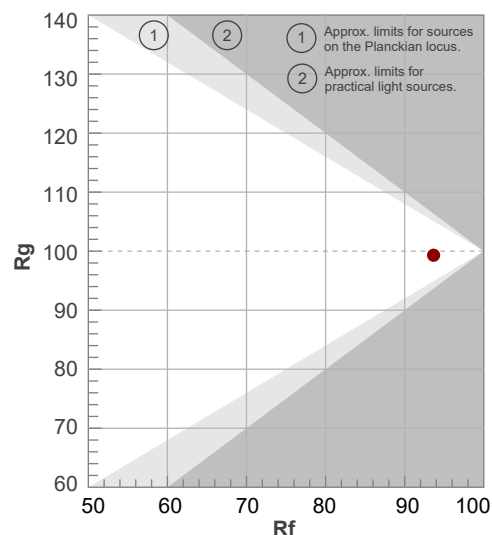
COLOR PARAMETERS

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
6773 K	97,6	89,3	93,7	99,3	96,7	99	0,307	0,332	0,0074

Fidelity index R_f

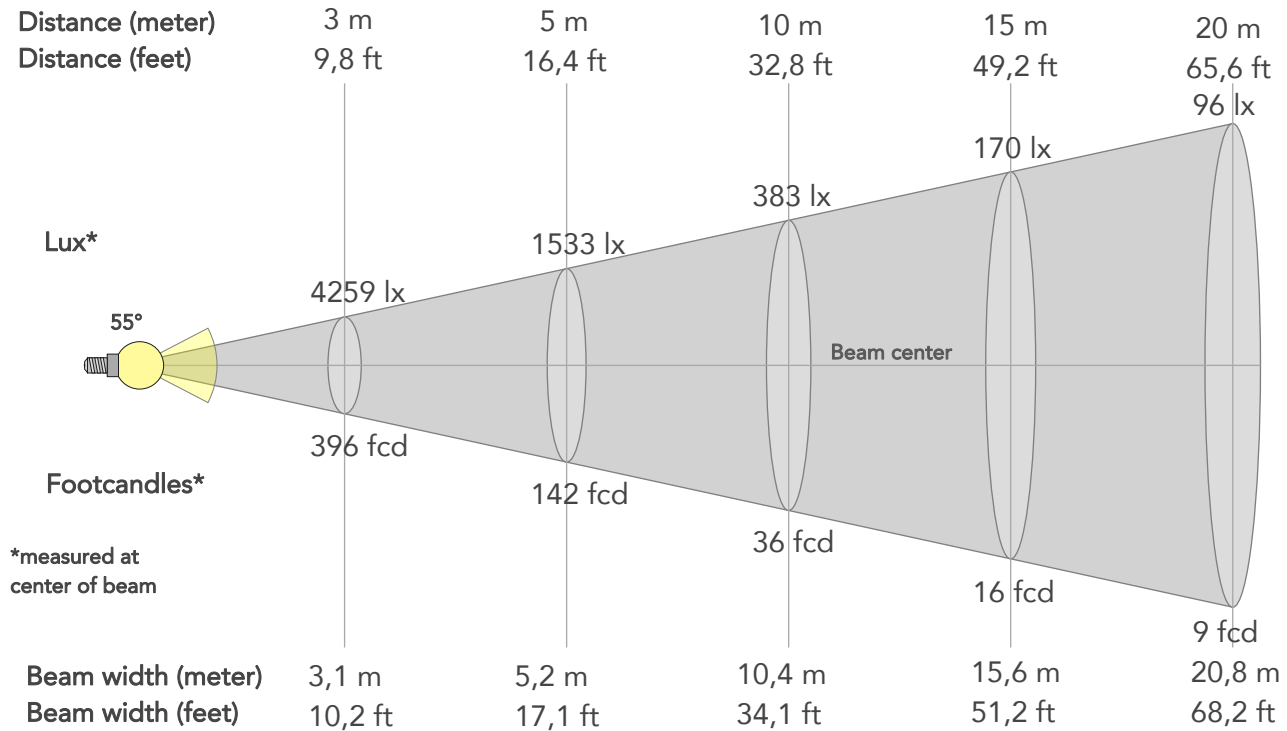
Gammut index

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	95	-1%	-1%
2	98	0%	0%
3	96	-1%	-2%
4	94	-2%	-3%
5	91	-6%	-2%
6	96	-3%	0%
7	97	-1%	1%
8	94	-2%	3%
9	94	-1%	6%
10	92	1%	6%
11	91	3%	5%
12	96	1%	-2%
13	93	3%	-3%
14	85	9%	-6%
15	89	3%	-7%
16	96	-1%	-1%



BEAM DETAILS

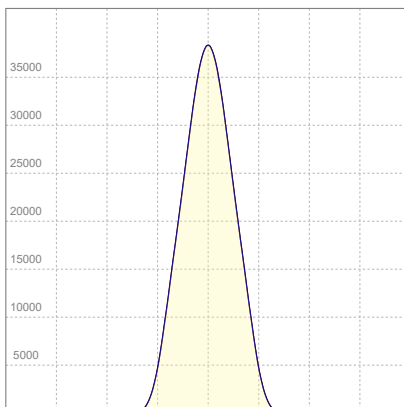
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
55°	93°	108,7°	98,7%	92,4%



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	38335lx	9584lx	4259lx	2396lx	1533lx	682lx	383lx	170lx	96lx	61lx	43lx	24lx	15lx
Footcand.	3561fcd	890fcd	396fcd	223fcd	142fcd	63fcd	36fcd	16fcd	9fcd	6fcd	4fcd	2fcd	1fcd
Beam wid.	1m	2,1m	3,1m	4,2m	5,2m	7,8m	10,4m	15,6m	20,8m	26m	31,2m	41,6m	52m
Beam wid.	3,4ft	6,9ft	10,2ft	13,6ft	17,1ft	25,6ft	34,1ft	51,2ft	68,2ft	85,3ft	102,4ft	136,5ft	170,6ft

LINEAR DISTRIBUTION DIAGRAM

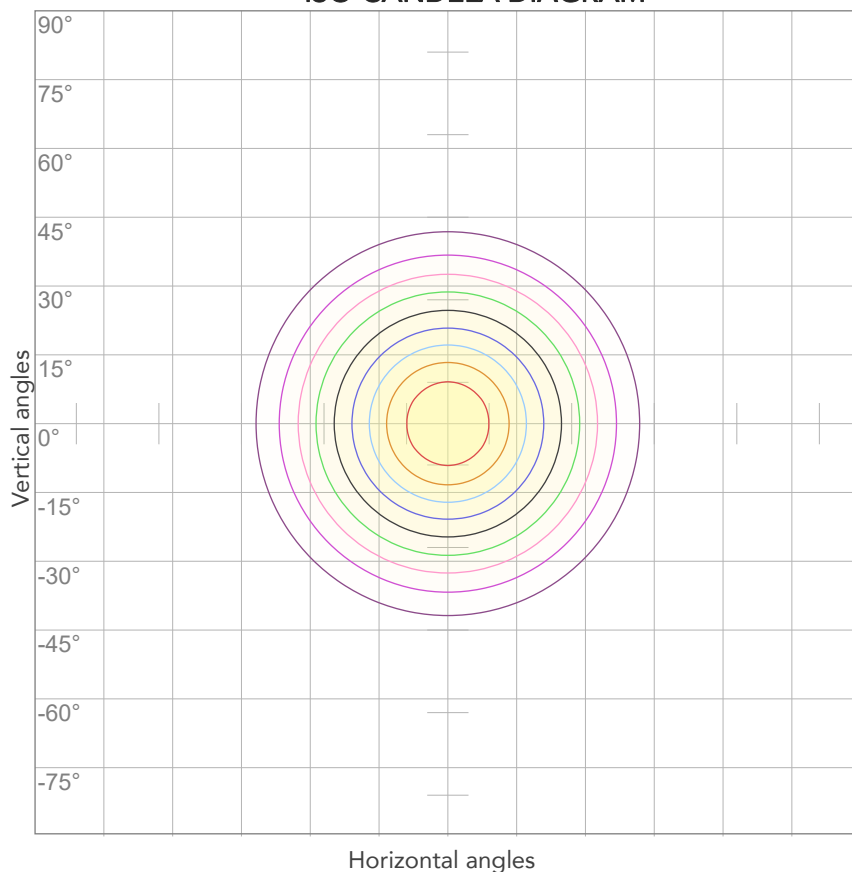


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	2,15A	484,5W	1,0	71lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



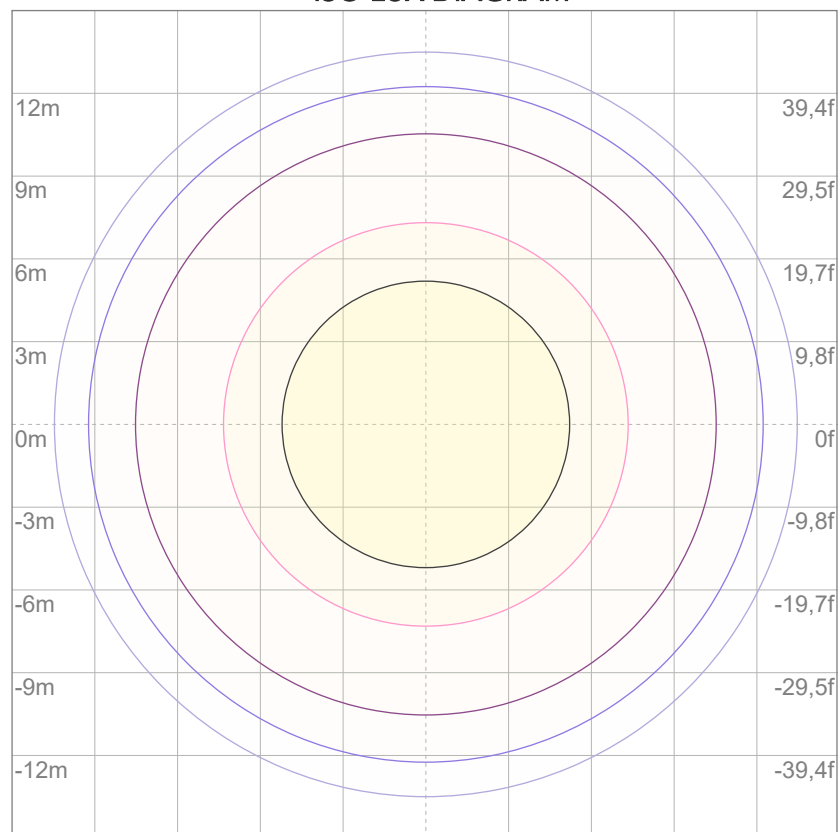
10%	3833 cd
20%	7667 cd
30%	11500 cd
40%	15334 cd
50%	19167 cd
60%	23001 cd
70%	26834 cd
80%	30668 cd

Conditions:

Number of c-planes: 4

Candela at center: 38335 cd

ISO LUX DIAGRAM



3%	11,5 lx
5%	19,2 lx
10%	38,3 lx
30%	115 lx
50%	192 lx

Conditions:

Number of c-planes: 4

Lux at center: 383 lx

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



Total lumen output:

30154 lm

Peak candela output:

33849 cd

Light quality:

CRI: 97,9

Color temperature:

2799 K

PRODUCT NAME:

SUNRISE2FLXVW

MEASURAMENT CONDITIONS:

Beam angle:

Original Optic

Target:

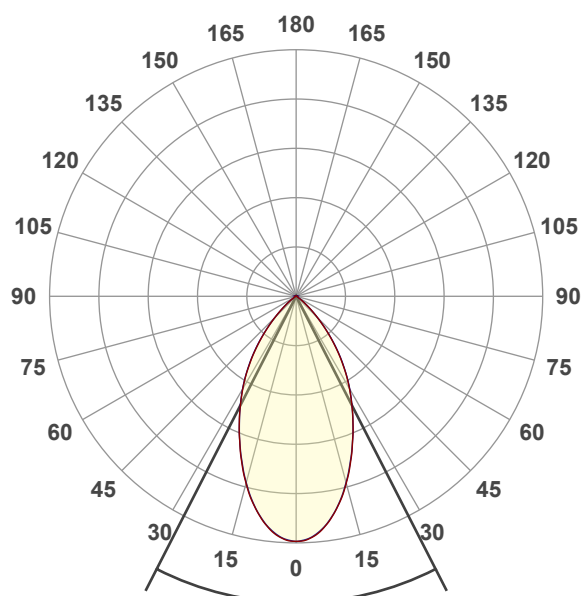
2800K

Operator:

Giuseppe della Peruta

Date and time:

25/08/2025 12:52:04

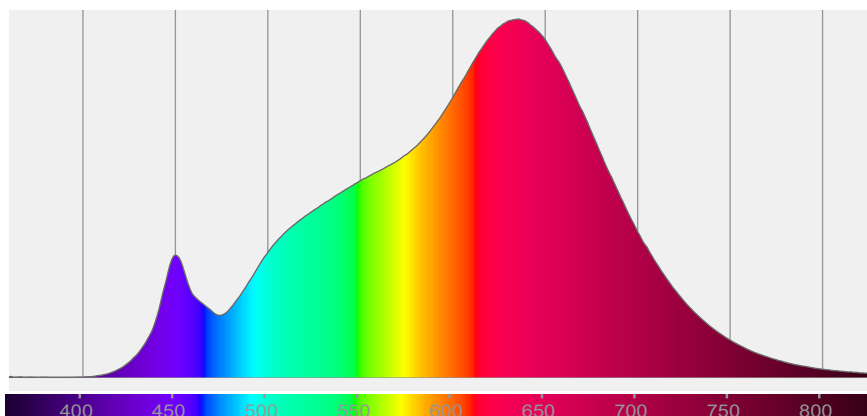


Beam angle 50%: 54,2°

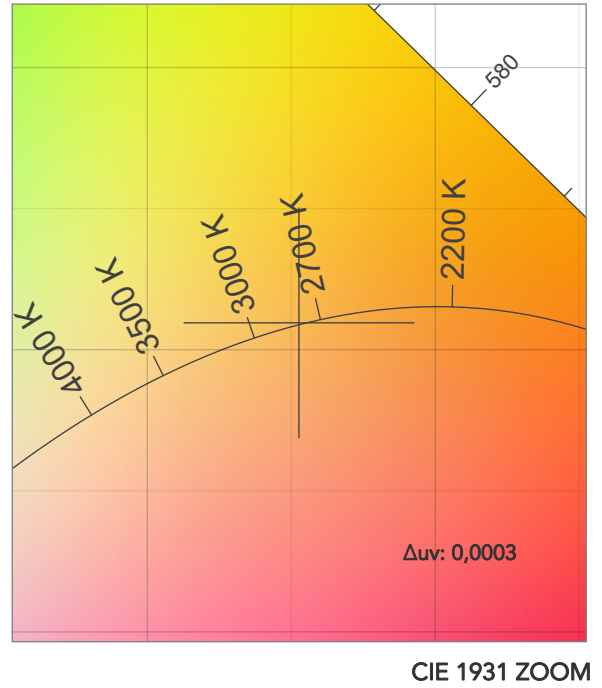
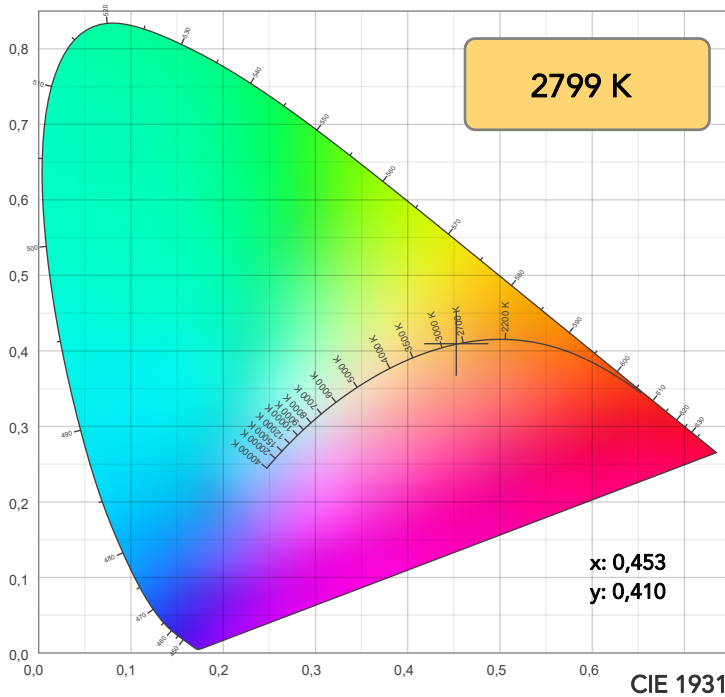
Field angle 10%: 92,9°

Cut off angle 2.5%: 108,3°

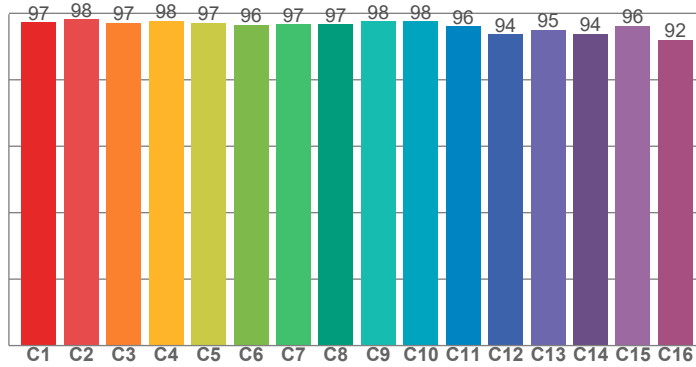
Spectra



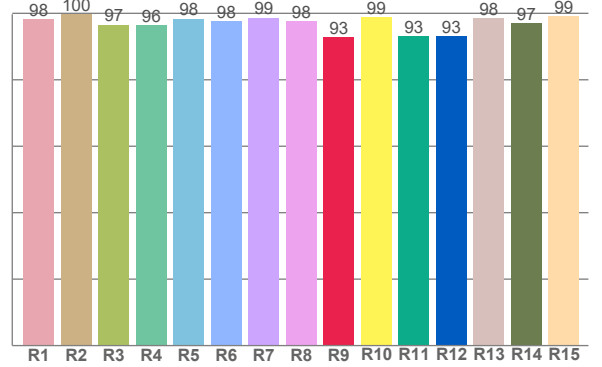
COLOR DETAILS



TM30: 96,5



CRI: 97,9 (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
98,3	99,9	96,6	96,4	98,4	97,7	98,7	97,6	92,7	98,9	93,2	93,2	98,5	97,0	99,2

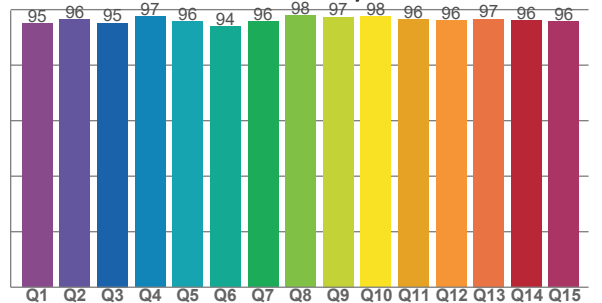
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
97,3	98,2	97,2	97,7	97,2	96,5	96,6	96,7	97,6	97,7	96,1	93,7	95,0	93,9	96,3	92,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,0	96,4	95,1	97,5	95,7	94,0	95,8	97,8	97,3	97,6	96,4	96,2	96,7	96,2	95,7

CQS: 95,9



COLOR PARAMETERS

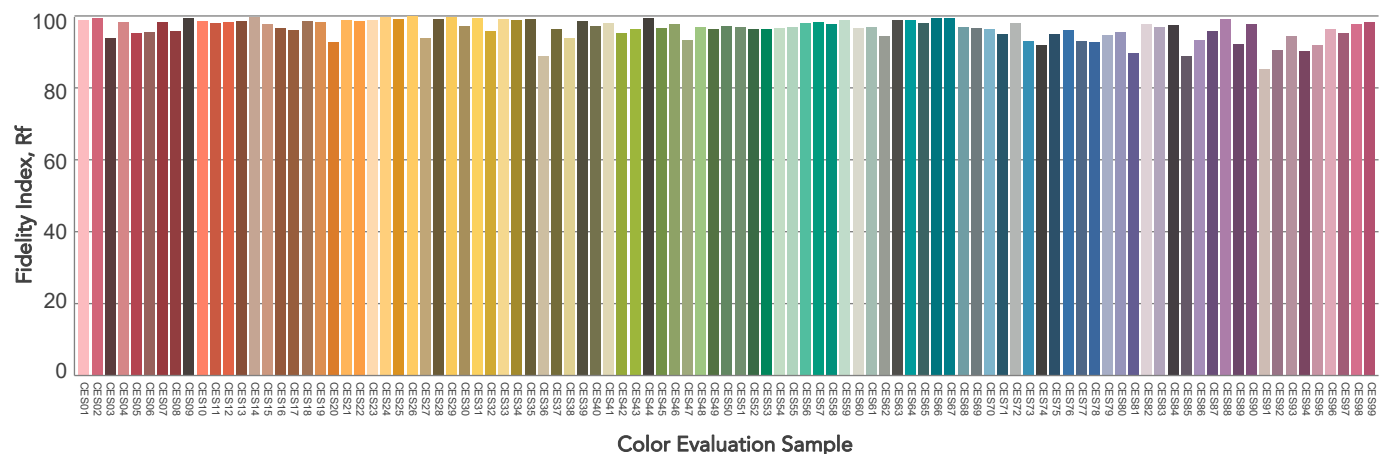
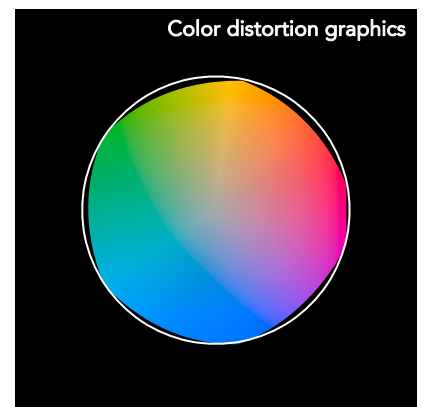
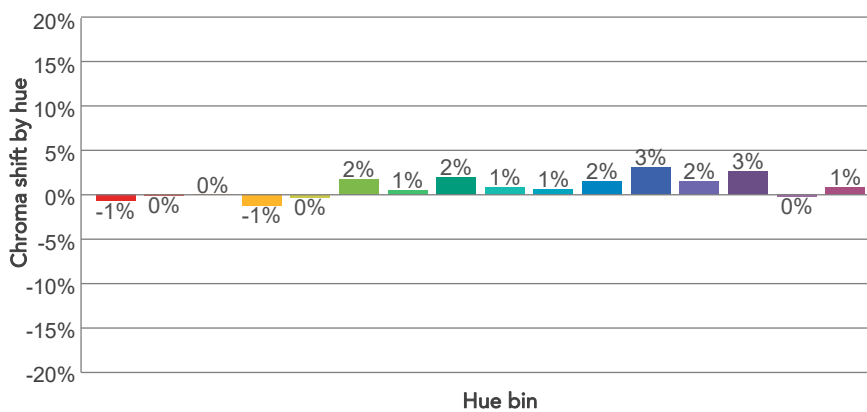
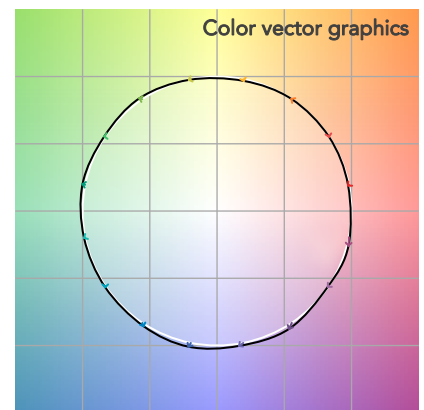
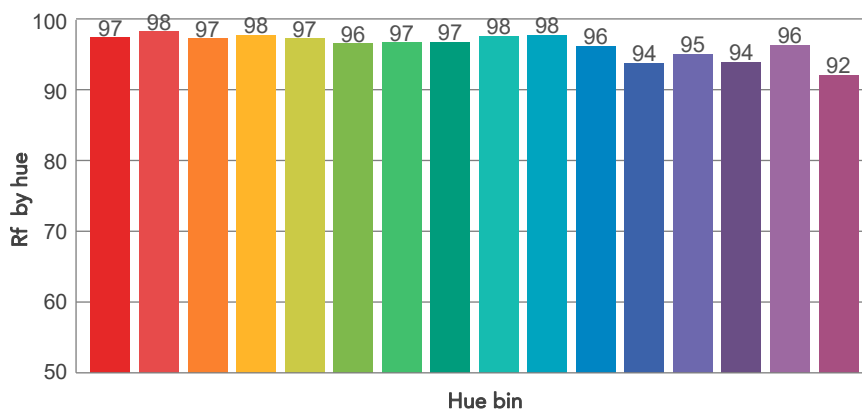
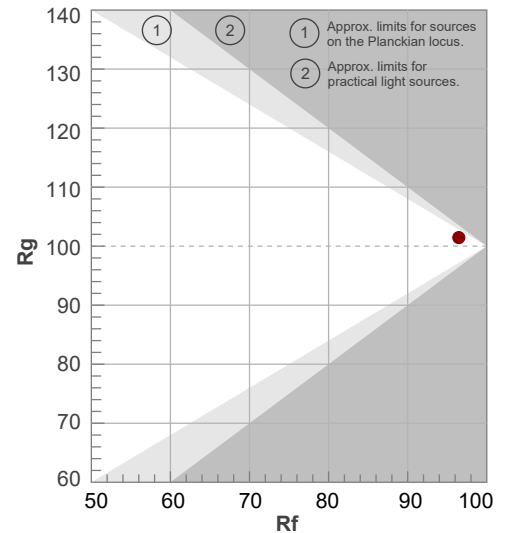
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2799 K	97,9	92,7	96,5	101,5	95,9	98	0,453	0,410	0,0003

TM30 DETAILS

Rf 96,5
Fidelity index Rf

Rg 101,5
Gammut index

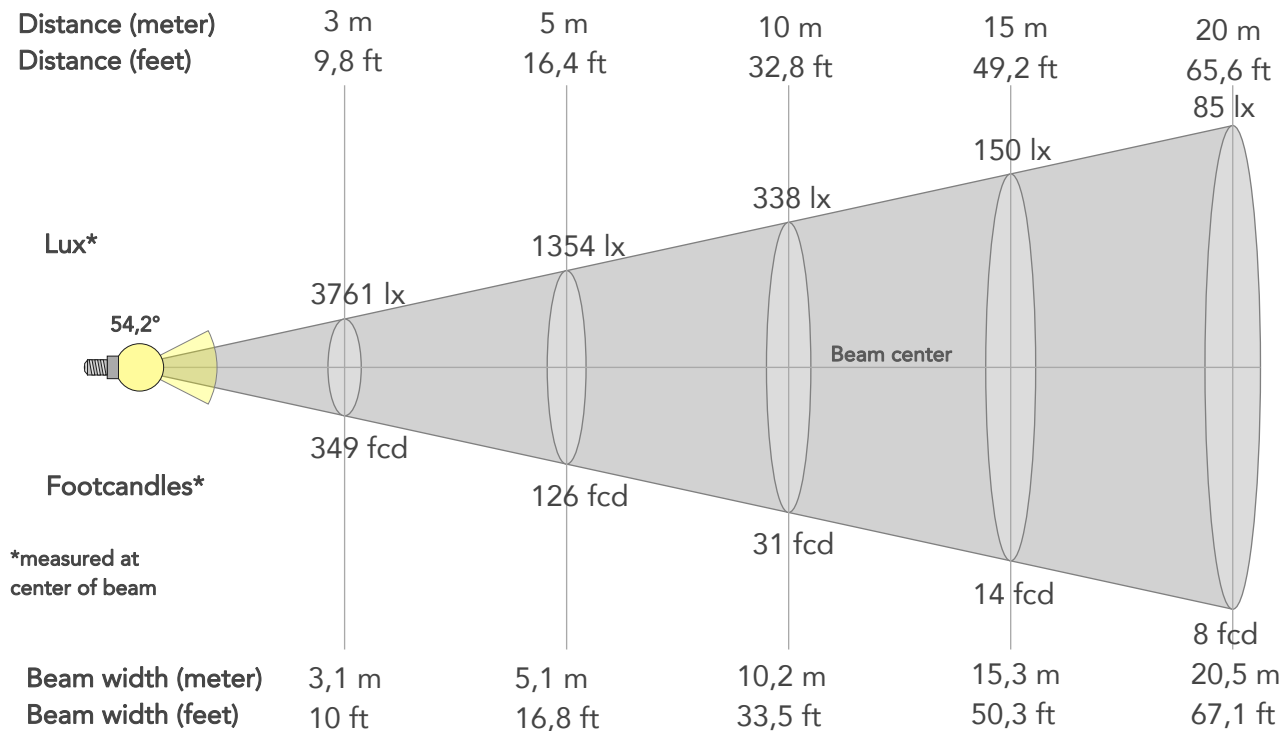
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	-1%	0%
2	98	0%	0%
3	97	0%	0%
4	98	-1%	-1%
5	97	0%	2%
6	96	2%	2%
7	97	1%	0%
8	97	2%	0%
9	98	1%	0%
10	98	1%	1%
11	96	2%	2%
12	94	3%	-1%
13	95	2%	-4%
14	94	3%	-4%
15	96	0%	-1%
16	92	1%	-6%



BEAM DETAILS



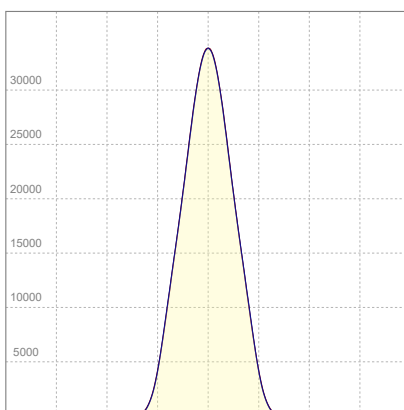
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
54,2°	92,9°	108,3°	98,9%	92,6%



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	33846lx	8462lx	3761lx	2115lx	1354lx	602lx	338lx	150lx	85lx	54lx	38lx	21lx	14lx
Footcand.	3144fcd	786fcd	349fcd	197fcd	126fcd	56fcd	31fcd	14fcd	8fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	1m	2m	3,1m	4,1m	5,1m	7,7m	10,2m	15,3m	20,5m	25,6m	30,7m	40,9m	51,1m
Beam wid.	3,4ft	6,7ft	10ft	13,4ft	16,8ft	25,2ft	33,5ft	50,3ft	67,1ft	83,9ft	100,6ft	134,2ft	167,7ft

LINEAR DISTRIBUTION DIAGRAM

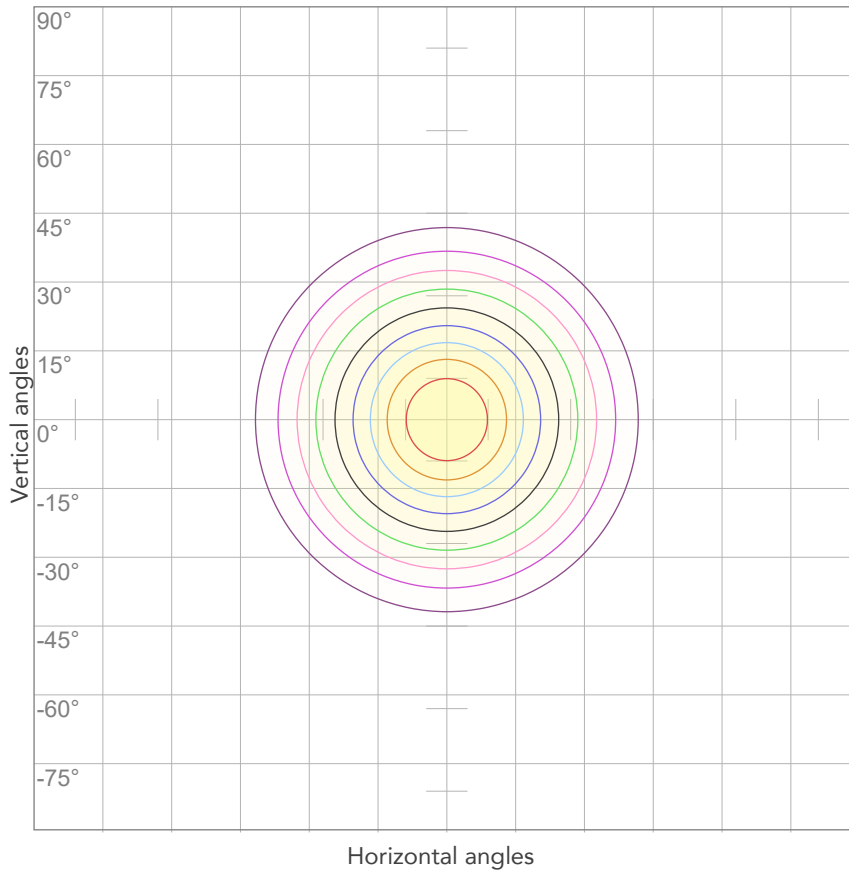


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	2,32A	524,4W	1,0	58lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



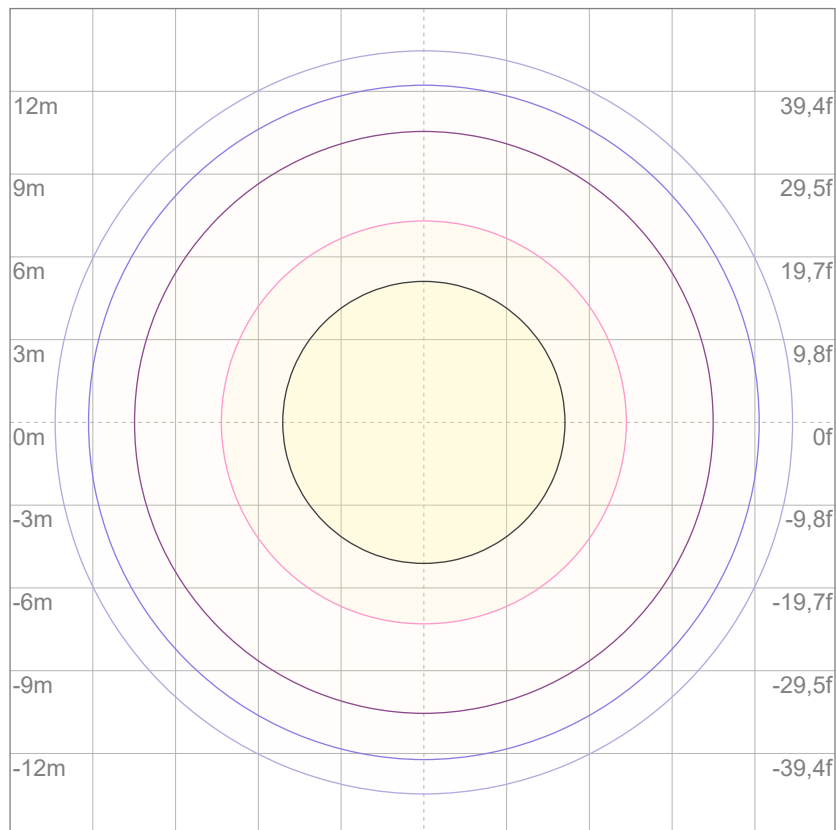
10%	3385 cd
20%	6769 cd
30%	10154 cd
40%	13538 cd
50%	16923 cd
60%	20308 cd
70%	23692 cd
80%	27077 cd

Conditions:

Number of c-planes: 4

Candela at center: 33846 cd

ISO LUX DIAGRAM



3%	10,2 lx
5%	16,9 lx
10%	33,8 lx
30%	102 lx
50%	169 lx

Conditions:

Number of c-planes: 4

Lux at center: 338 lx

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



Total lumen output:

36783 lm

Peak candela output:

41224 cd

Light quality:

CRI: 97,0

Color temperature:

3219 K

PRODUCT NAME:

SUNRISE2FLXVW

MEASURAMENT CONDITIONS:

Beam angle:

Original Optic

Target:

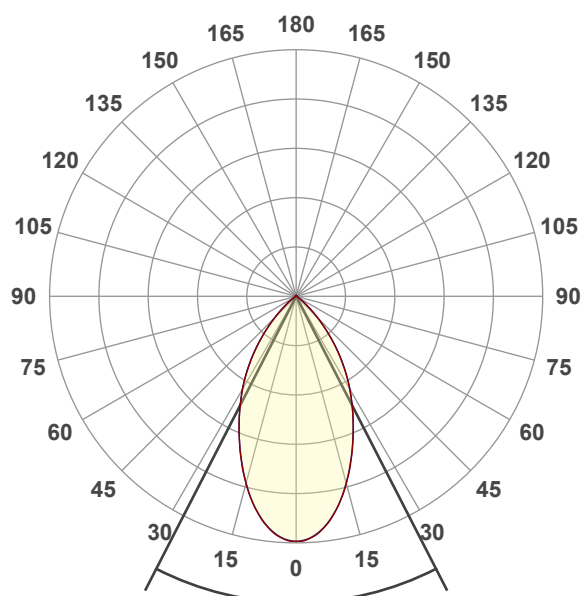
3200K

Operator:

Giuseppe della Peruta

Date and time:

22/08/2025 17:02:33

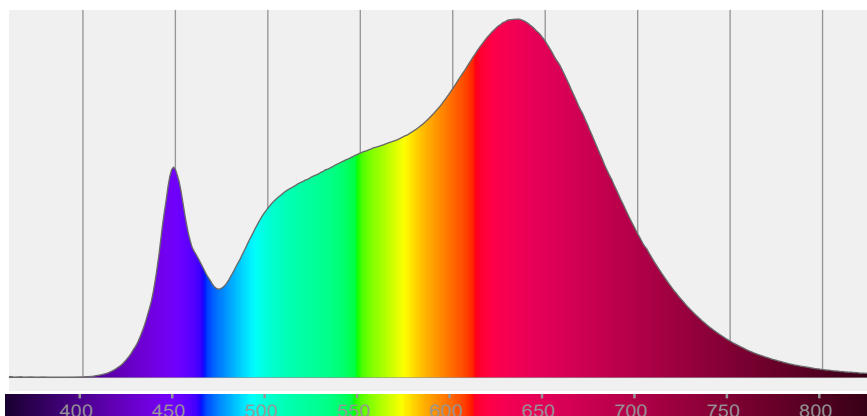


Beam angle 50%: 54,3°

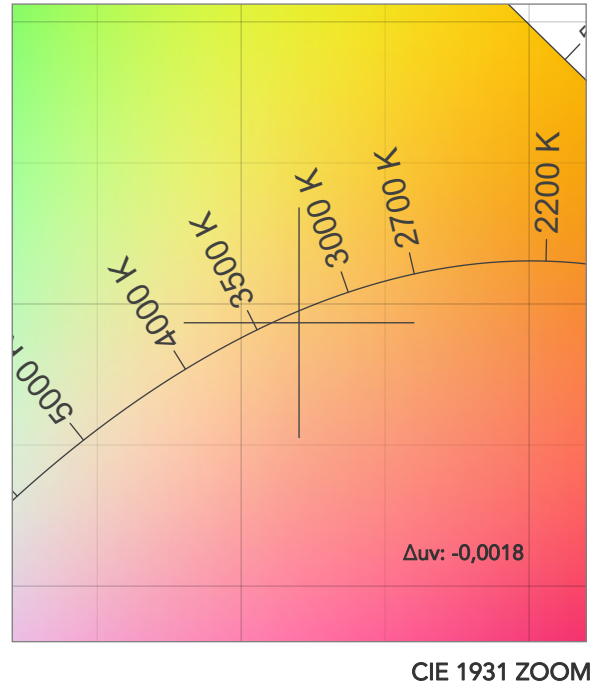
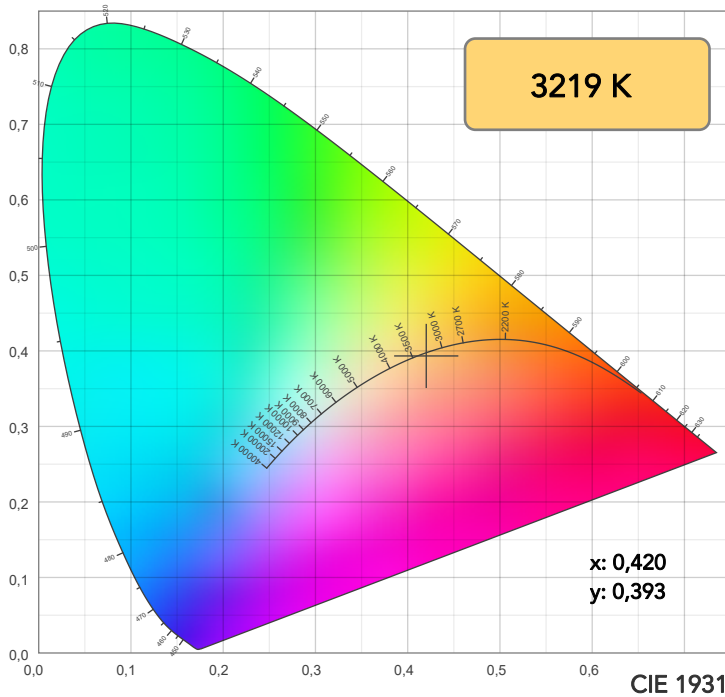
Field angle 10%: 93°

Cut off angle 2.5%: 108,5°

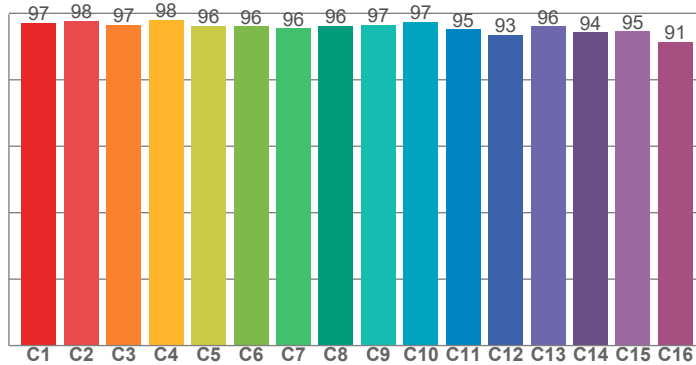
Spectra



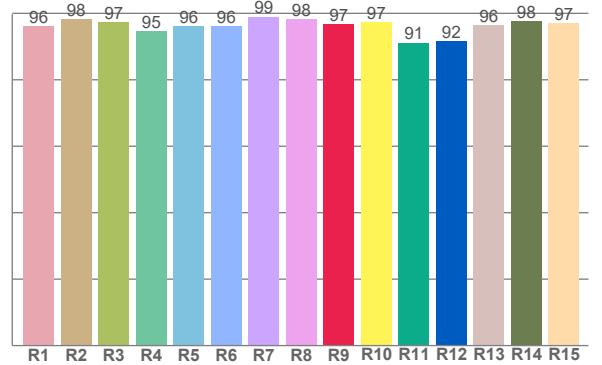
COLOR DETAILS



TM30: 96,1



CRI: 97,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,0	98,3	97,3	94,6	96,1	96,1	99,0	98,3	96,8	97,3	91,1	91,6	96,3	97,6	97,0

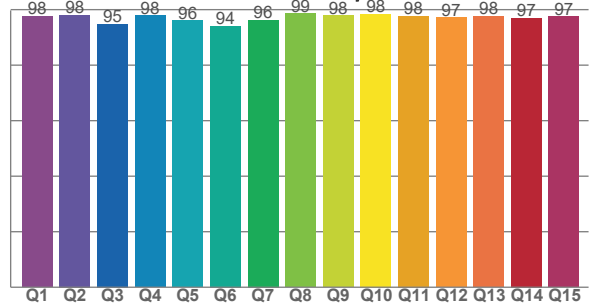
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
97,2	97,7	96,6	98,1	96,2	96,1	95,6	96,2	96,6	97,4	95,3	93,5	96,1	94,3	94,6	91,5

CQS Q values

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

CQS: 96,7



COLOR PARAMETERS

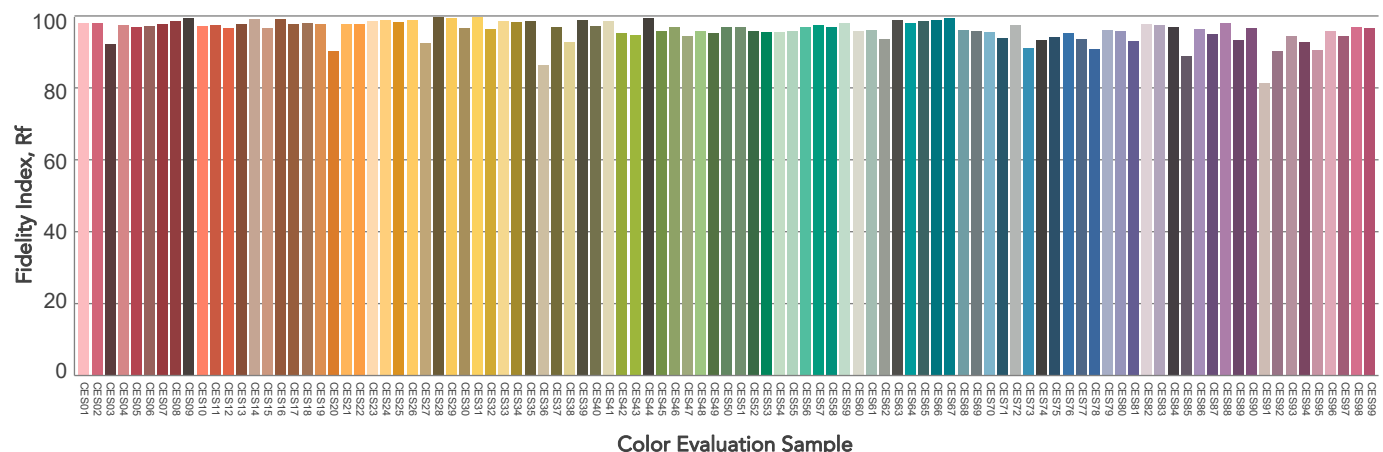
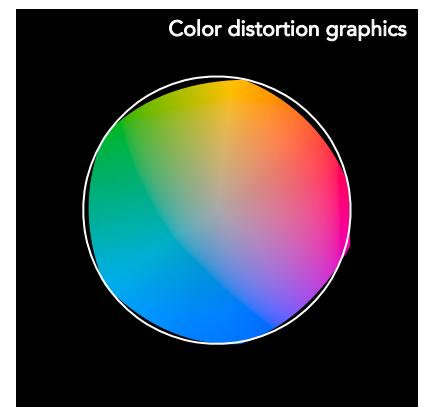
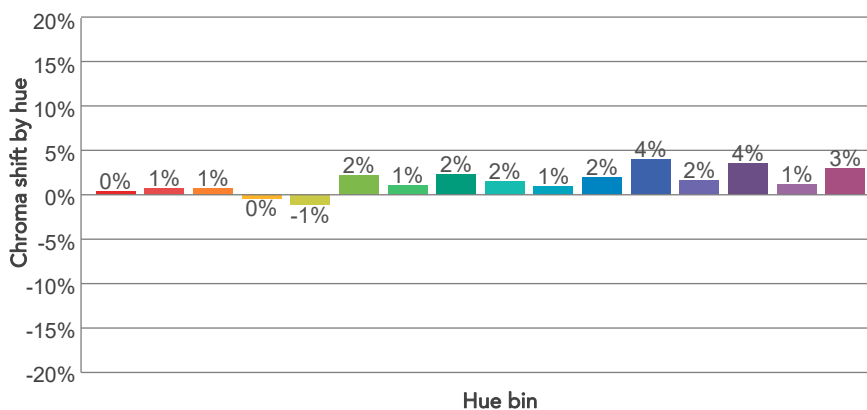
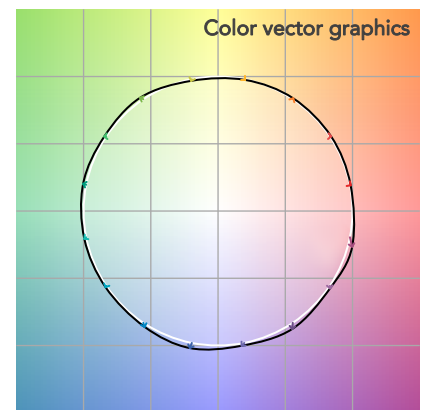
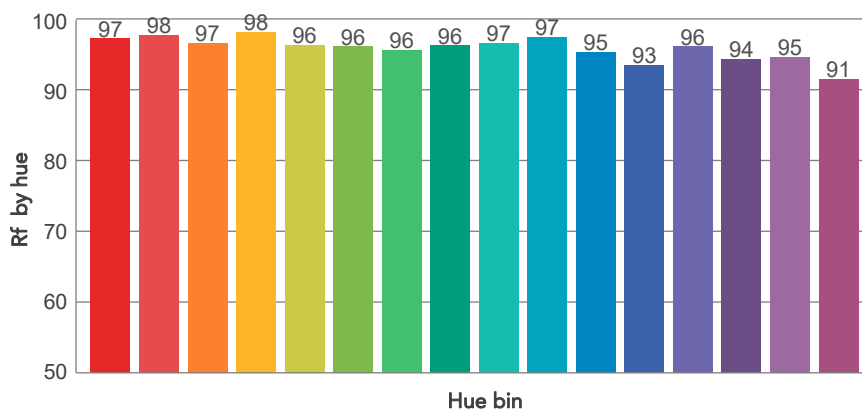
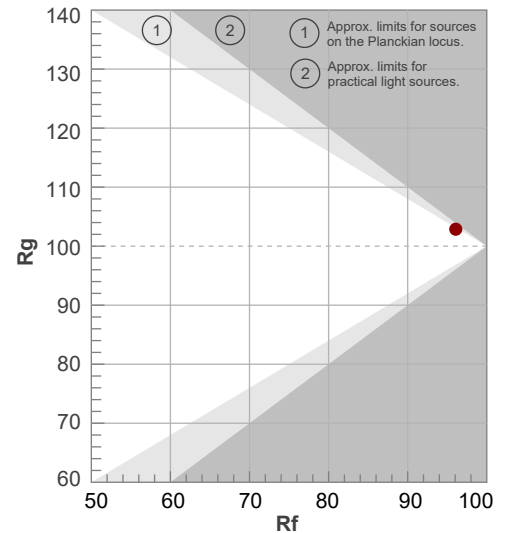
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3219 K	97,0	96,8	96,1	102,9	96,7	98	0,420	0,393	-0,0018

TM30 DETAILS

Rf 96,1
Fidelity index Rf

Rg 102,9
Gammut index

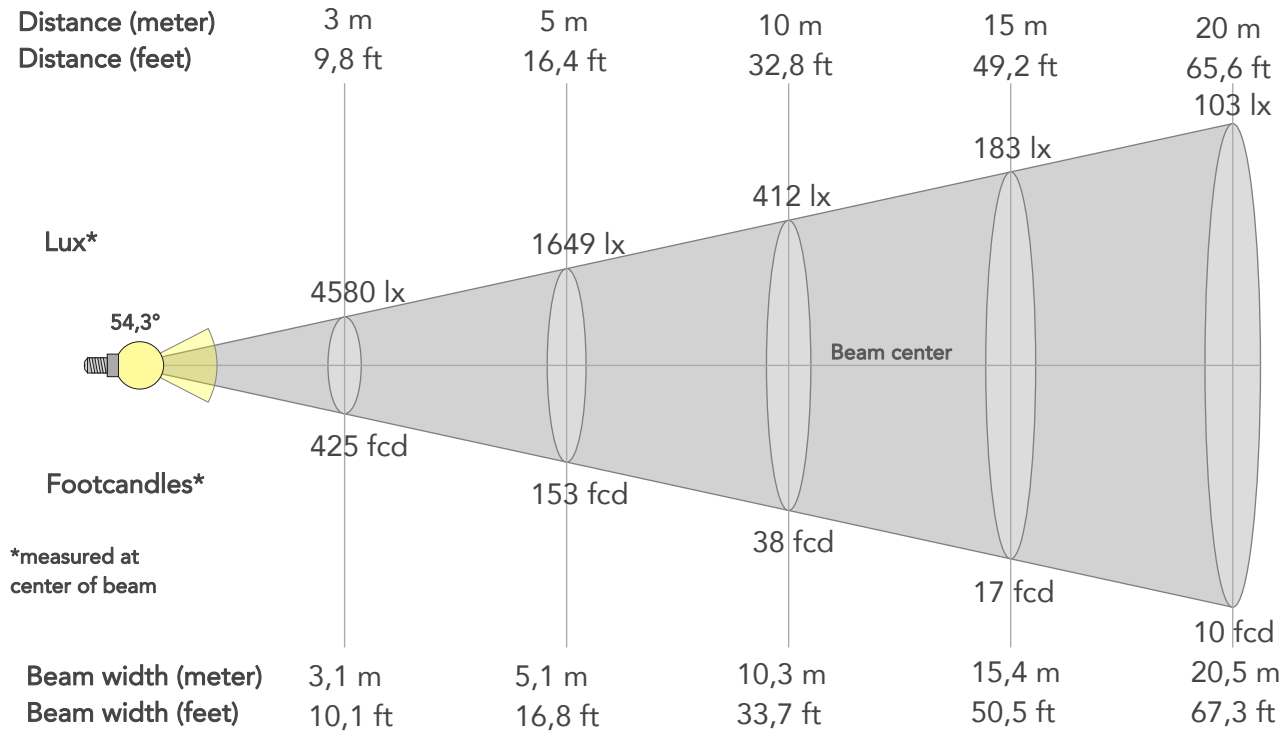
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	0%	0%
2	98	1%	-1%
3	97	1%	0%
4	98	0%	-1%
5	96	-1%	1%
6	96	2%	1%
7	96	1%	1%
8	96	2%	0%
9	97	2%	1%
10	97	1%	1%
11	95	2%	2%
12	93	4%	-1%
13	96	2%	-2%
14	94	4%	-3%
15	95	1%	-2%
16	91	3%	-7%



BEAM DETAILS



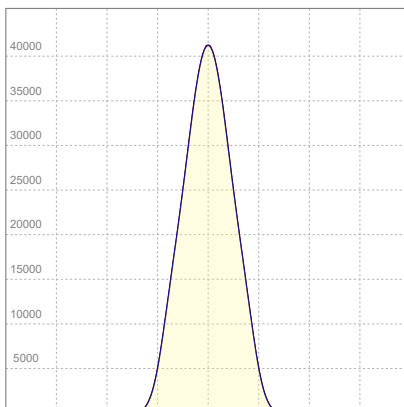
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
54,3°	93°	108,5°	99,0%	92,6%



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	41219lx	10305lx	4580lx	2576lx	1649lx	733lx	412lx	183lx	103lx	66lx	46lx	26lx	16lx
Footcand.	3829fcd	957fcd	425fcd	239fcd	153fcd	68fcd	38fcd	17fcd	10fcd	6fcd	4fcd	2fcd	2fcd
Beam wid.	1m	2,1m	3,1m	4,1m	5,1m	7,7m	10,3m	15,4m	20,5m	25,7m	30,8m	41,1m	51,3m
Beam wid.	3,4ft	6,8ft	10,1ft	13,4ft	16,8ft	25,3ft	33,7ft	50,5ft	67,3ft	84,2ft	101ft	134,7ft	168,3ft

LINEAR DISTRIBUTION DIAGRAM

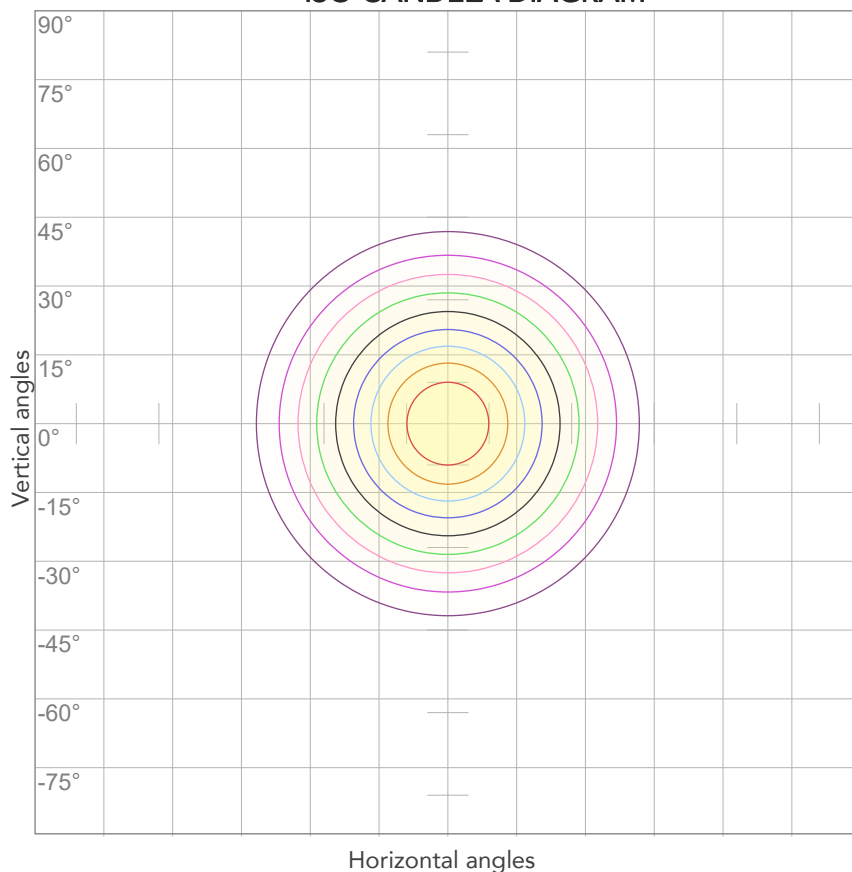


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	2,67A	603,4W	1,0	61lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



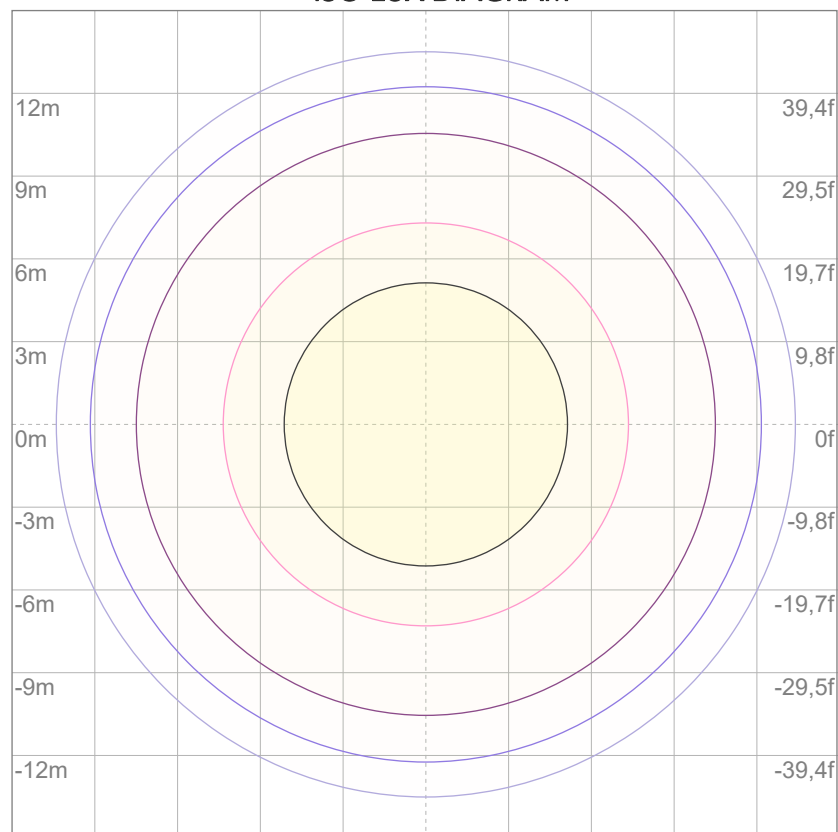
10%	4122 cd
20%	8244 cd
30%	12366 cd
40%	16488 cd
50%	20610 cd
60%	24731 cd
70%	28853 cd
80%	32975 cd

Conditions:

Number of c-planes: 4

Candela at center: 41219 cd

ISO LUX DIAGRAM



3%	12,4 lx
5%	20,6 lx
10%	41,2 lx
30%	124 lx
50%	206 lx

Conditions:

Number of c-planes: 4

Lux at center: 412 lx

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



Total lumen output:

35052 lm

Peak candela output:

39026 cd

Light quality:

CRI: 96,0

Color temperature:

3999 K

PRODUCT NAME:

SUNRISE2FLXVW

MEASURAMENT CONDITIONS:

Beam angle:

Original Optic

Target:

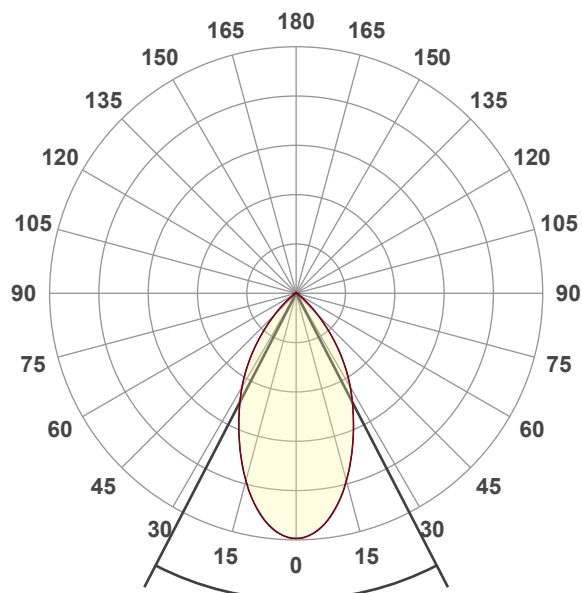
2800K

Operator:

Giuseppe della Peruta

Date and time:

25/08/2025 13:02:26

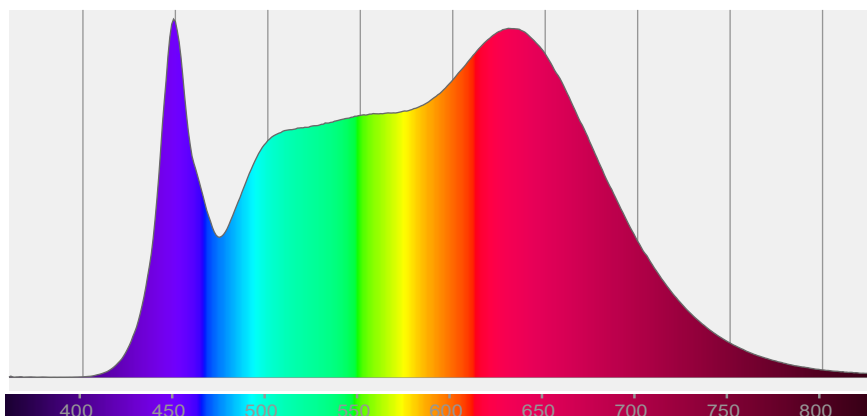


Beam angle 50%: 54,6°

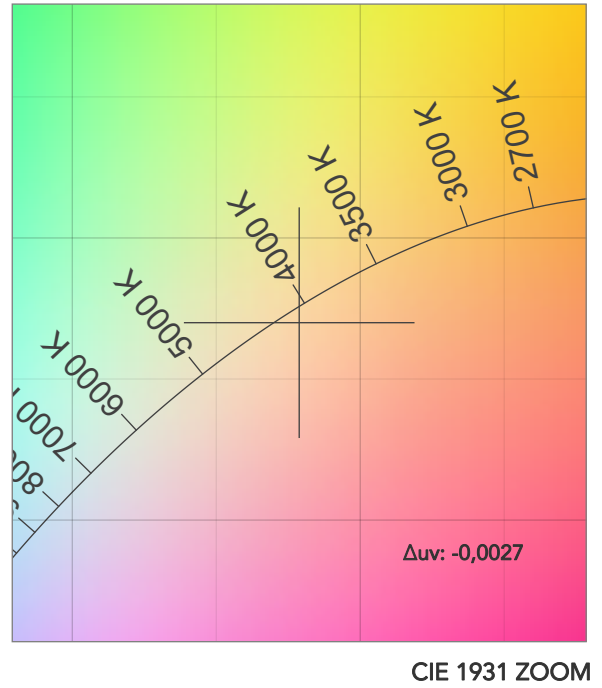
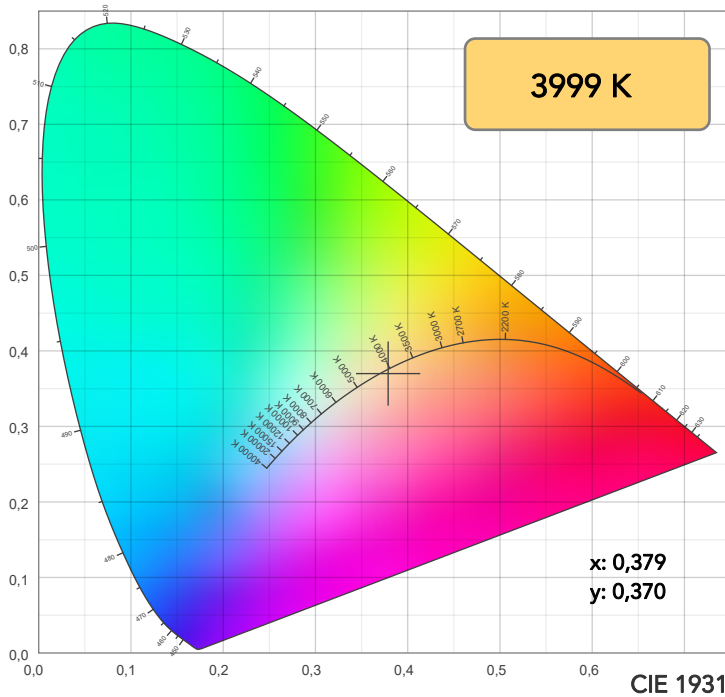
Field angle 10%: 93,1°

Cut off angle 2.5%: 108,6°

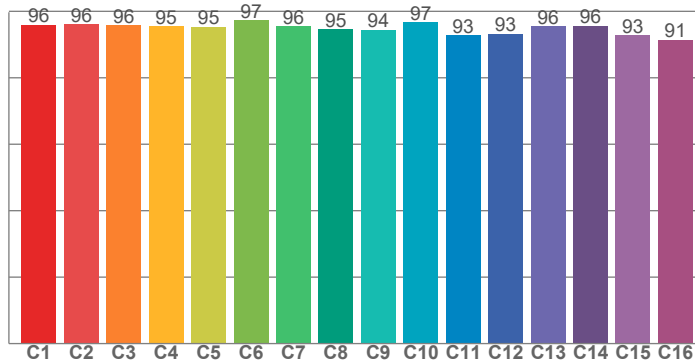
Spectra



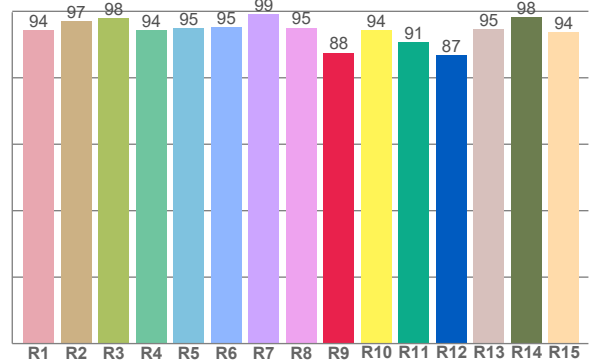
COLOR DETAILS



TM30: 95,0



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
94,3	97,1	98,1	94,3	95,0	95,3	99,1	95,1	87,6	94,3	90,8	86,9	94,7	98,2	93,8

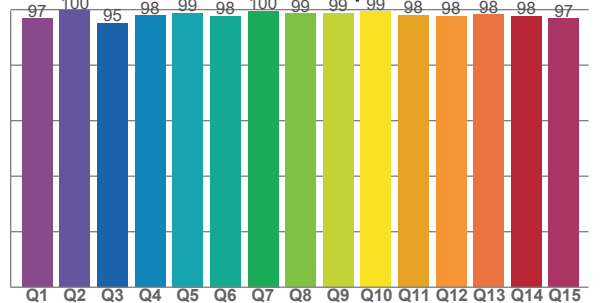
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,0	96,1	95,8	95,4	95,3	97,2	95,5	94,6	94,5	96,7	92,8	93,3	95,6	95,6	92,8	91,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,8	99,6	95,1	97,9	98,8	97,6	99,5	98,6	98,9	99,4	98,1	97,6	98,3	97,7	96,9

CQS: 97,7



COLOR PARAMETERS

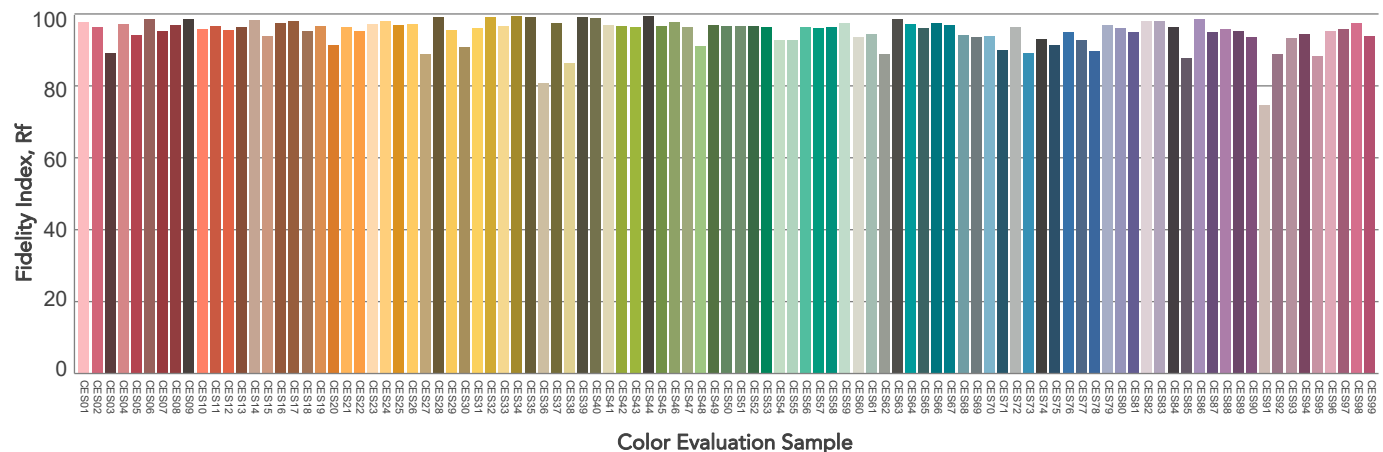
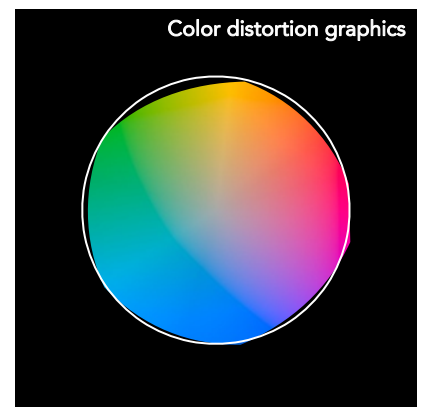
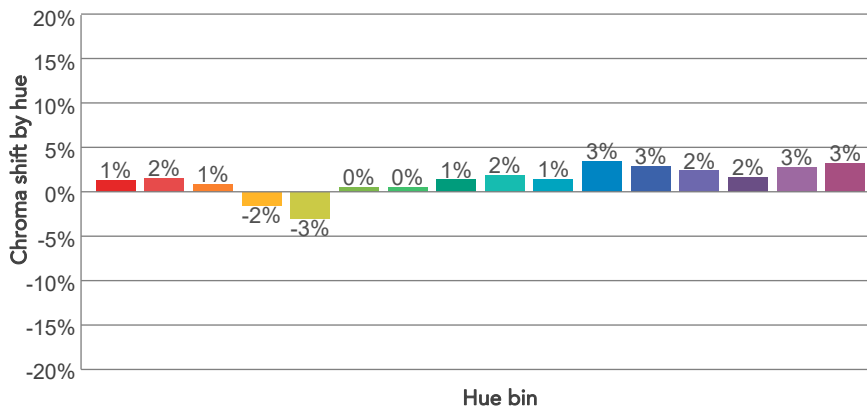
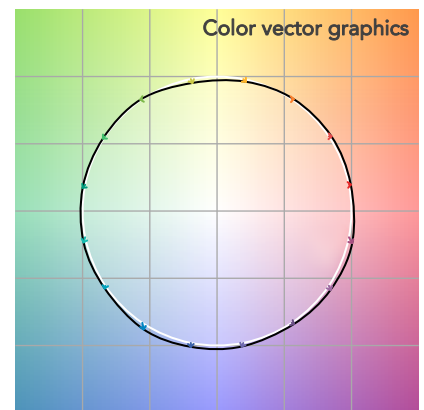
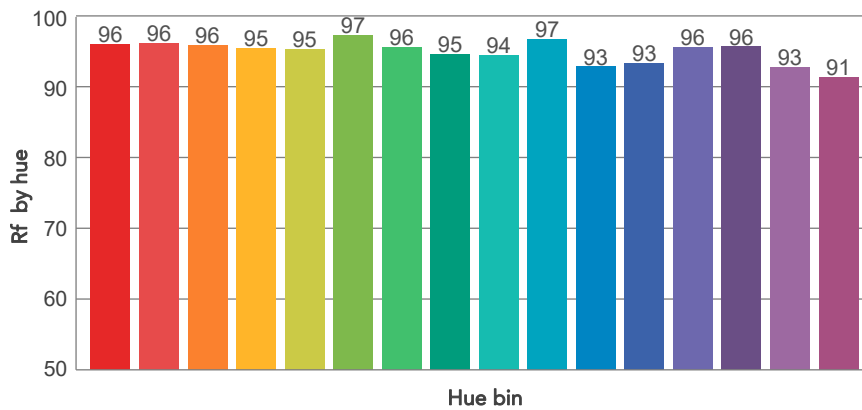
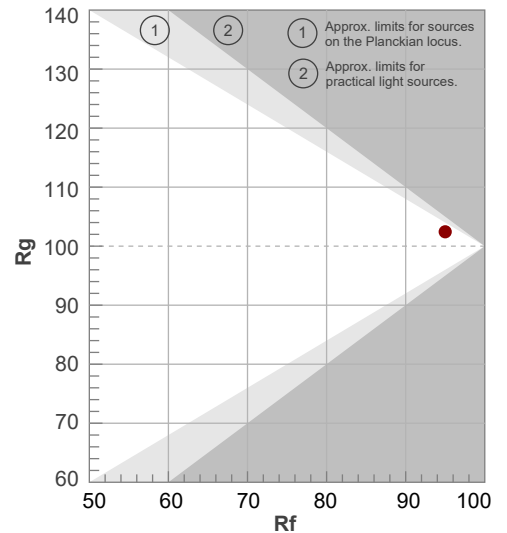
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting Index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3999 K	96,0	87,6	95,0	102,4	97,7	99	0,379	0,370	-0,0027

TM30 DETAILS

Rf 95,0
Fidelity index Rf

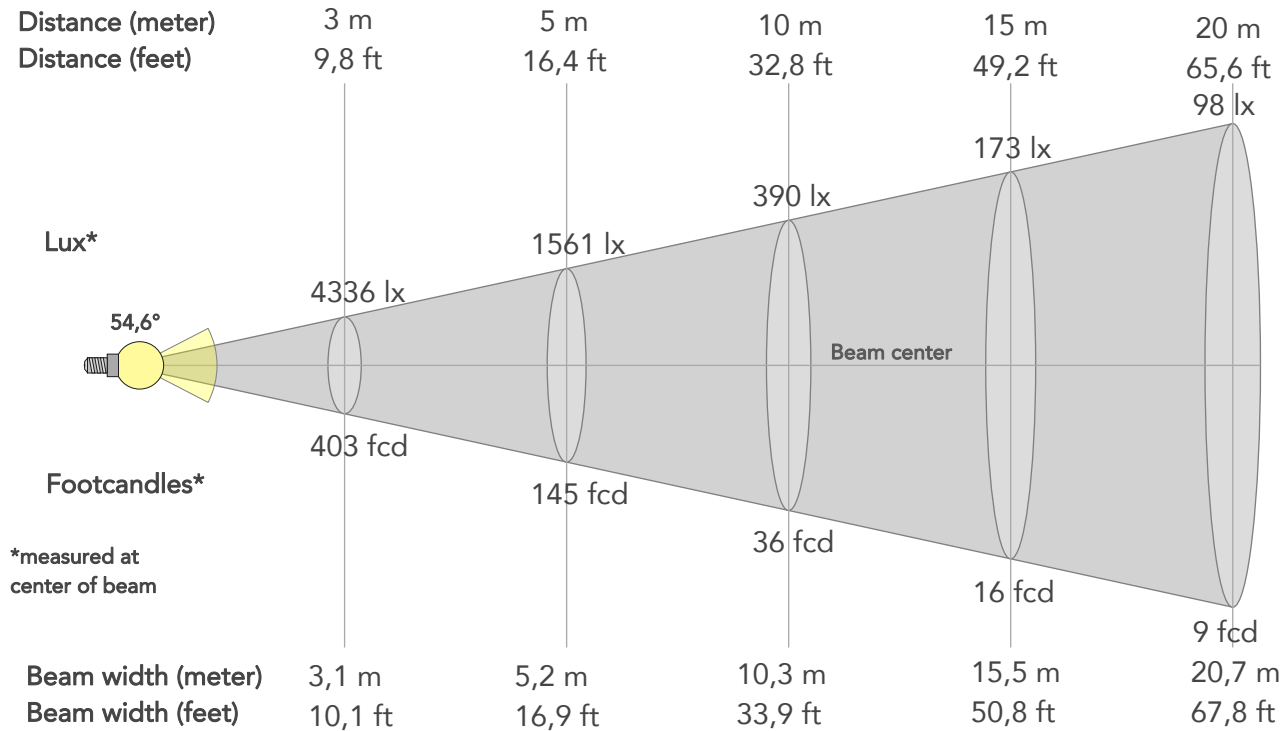
Rg 102,4
Gammut index

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



BEAM DETAILS

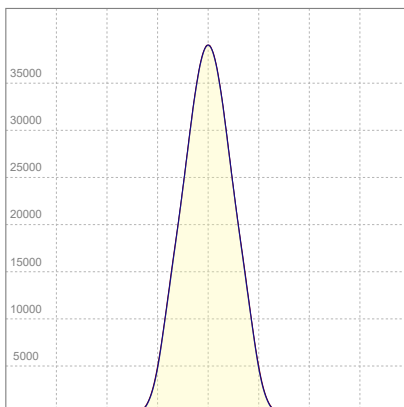
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
54,6°	93,1°	108,6°	99,0%	92,6%



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	39025lx	9756lx	4336lx	2439lx	1561lx	694lx	390lx	173lx	98lx	62lx	43lx	24lx	16lx
Footcand.	3626fcd	906fcd	403fcd	227fcd	145fcd	64fcd	36fcd	16fcd	9fcd	6fcd	4fcd	2fcd	1fcd
Beam wid.	1m	2,1m	3,1m	4,1m	5,2m	7,7m	10,3m	15,5m	20,7m	25,8m	31m	41,3m	51,7m
Beam wid.	3,4ft	6,8ft	10,1ft	13,5ft	16,9ft	25,4ft	33,9ft	50,8ft	67,8ft	84,7ft	101,6ft	135,5ft	169,4ft

LINEAR DISTRIBUTION DIAGRAM

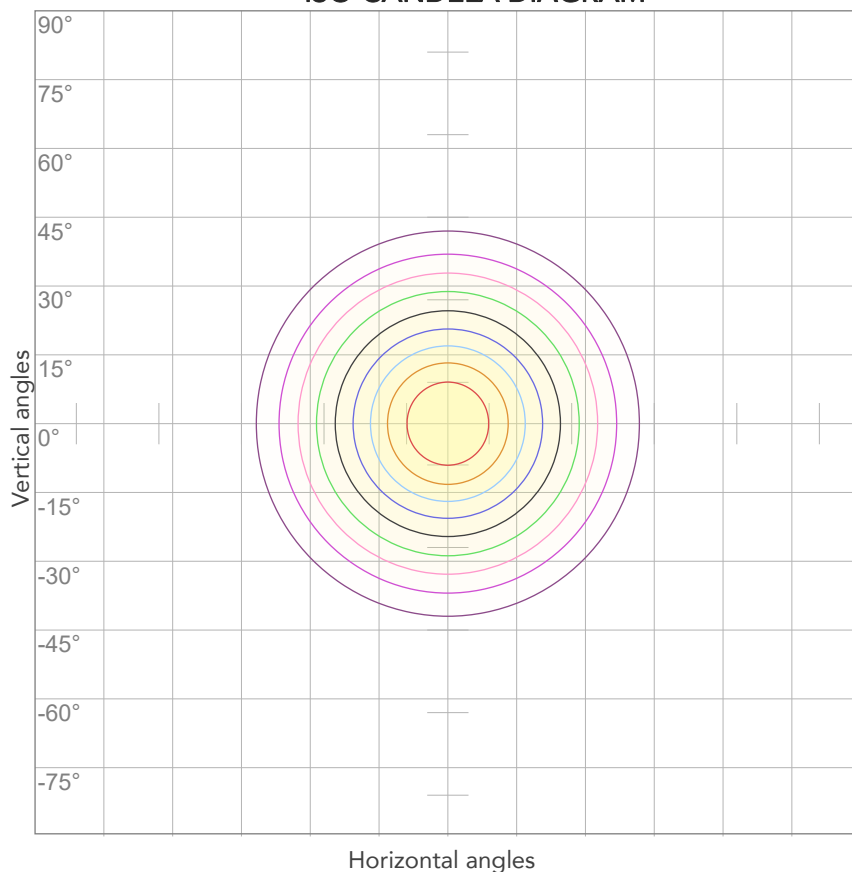


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	2,43A	551W	1,0	64lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



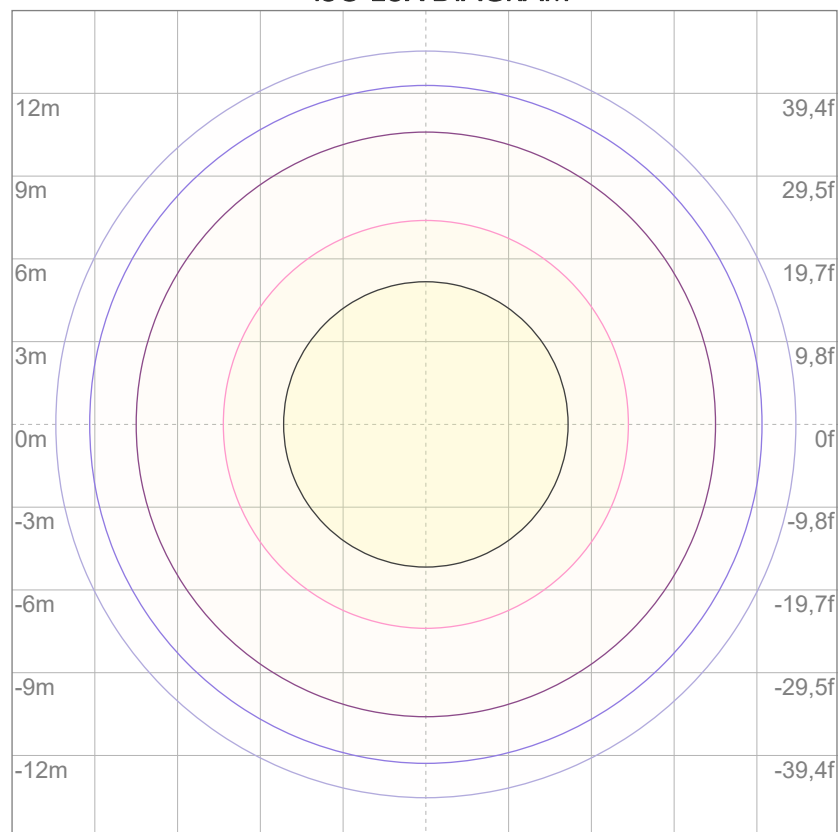
10%	3903 cd
20%	7805 cd
30%	11708 cd
40%	15610 cd
50%	19513 cd
60%	23415 cd
70%	27318 cd
80%	31220 cd

Conditions:

Number of c-planes: 4

Candela at center: 39025 cd

ISO LUX DIAGRAM



3%	11,7 lx
5%	19,5 lx
10%	39,0 lx
30%	117 lx
50%	195 lx

Conditions:

Number of c-planes: 4

Lux at center: 390 lx

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



Total lumen output:

36074 lm

Peak candela output:

40159 cd

Light quality:

CRI: 98,0

Color temperature:

5599 K

PRODUCT NAME:

SUNRISE2FLXVW

MEASURAMENT CONDITIONS:

Beam angle:

Original Optic

Target:

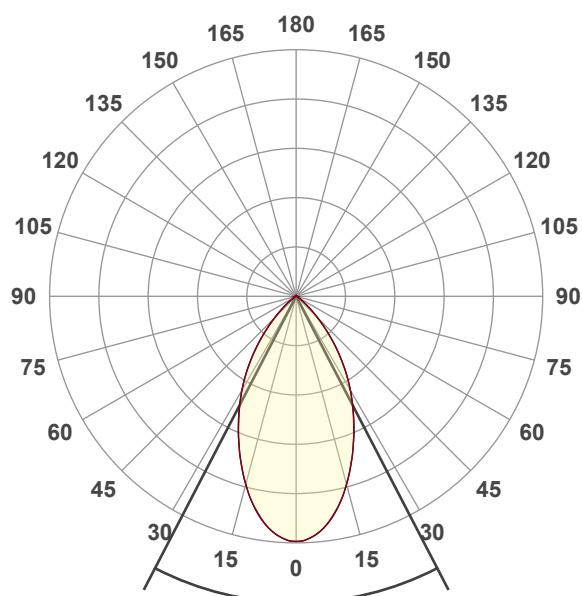
5600K

Operator:

Giuseppe della Peruta

Date and time:

25/08/2025 13:17:58

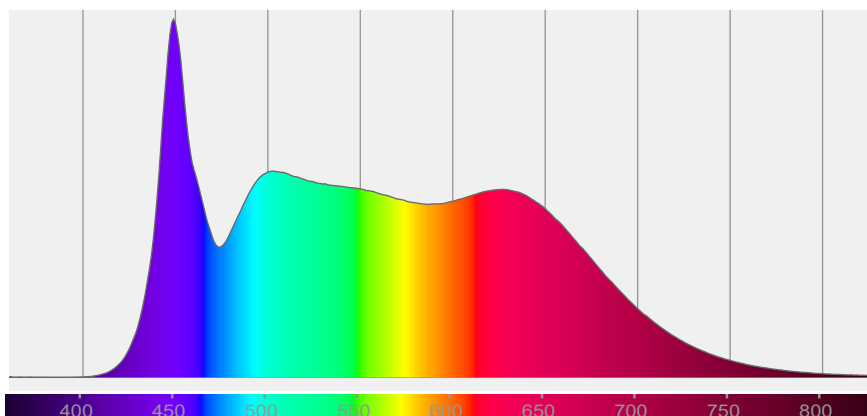


Beam angle 50%: 54,9°

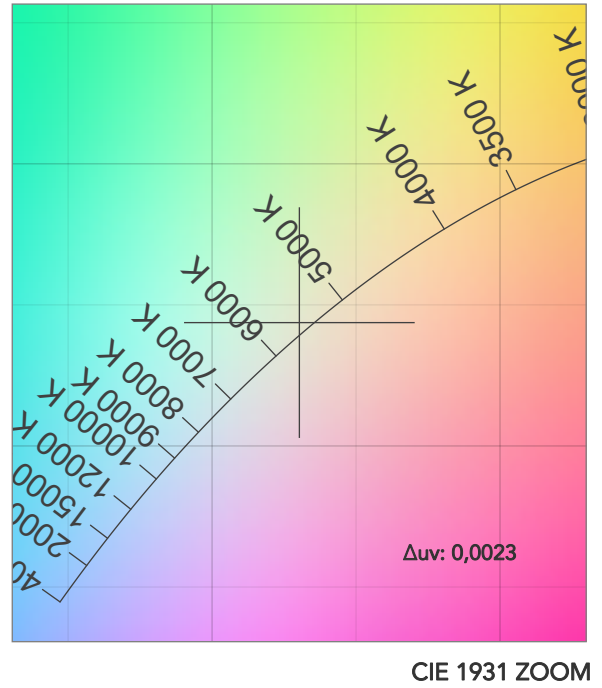
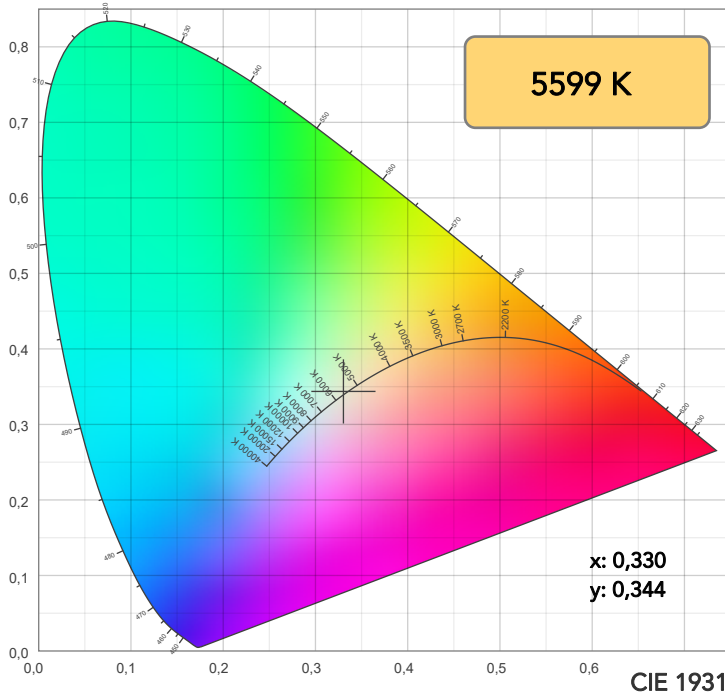
Field angle 10%: 93°

Cut off angle 2.5%: 108,6°

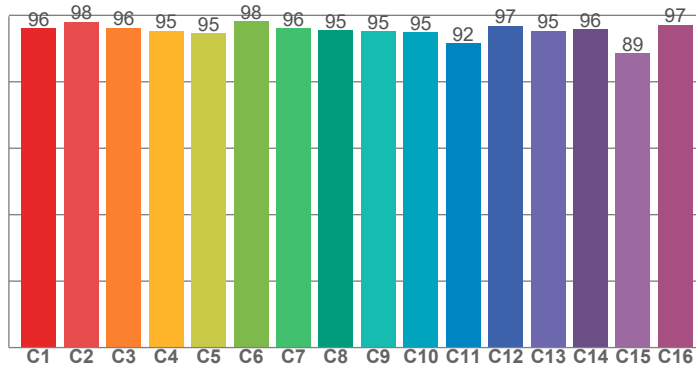
Spectra



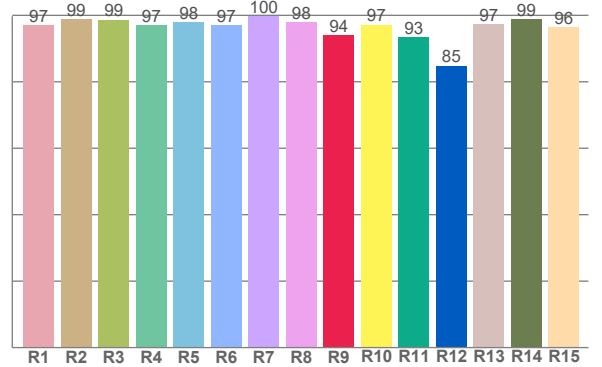
COLOR DETAILS



TM30: 95,2



CRI: 98,0 (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
97,1	98,8	98,7	96,9	97,8	97,1	99,7	98,0	94,1	97,2	93,5	84,8	97,4	98,9	96,5

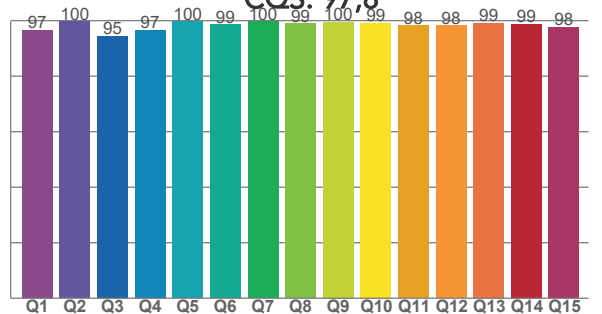
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,1	98,1	96,2	95,3	94,6	98,2	96,1	95,4	95,2	94,9	91,6	96,9	95,4	95,8	88,6	97,2

CQS Q values

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

CQS: 97,8



COLOR PARAMETERS

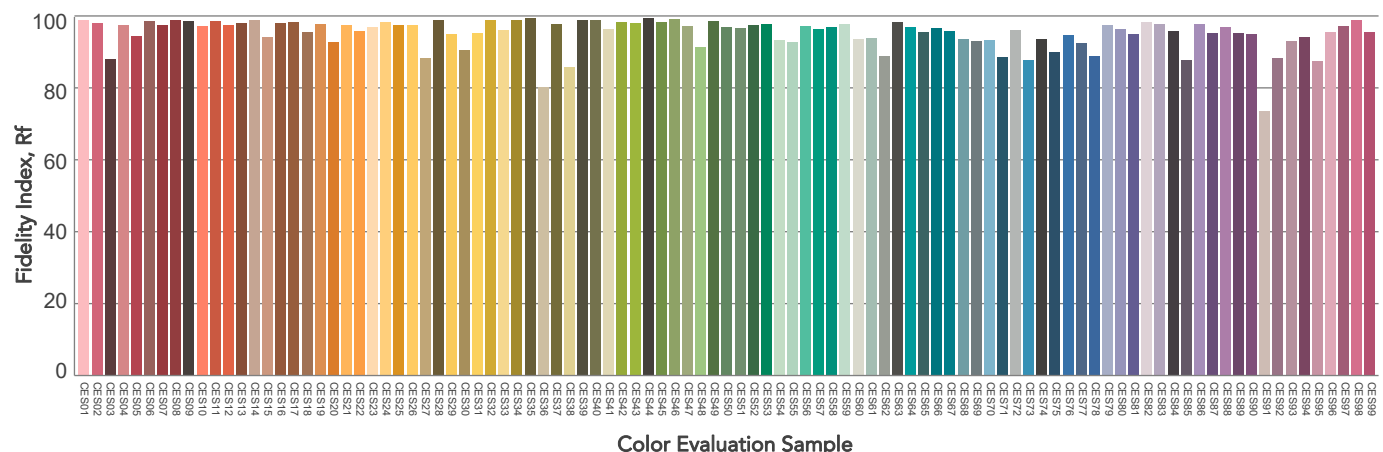
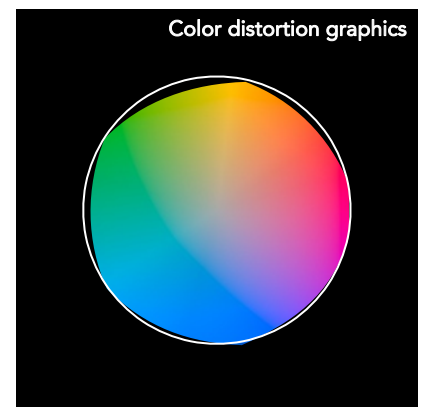
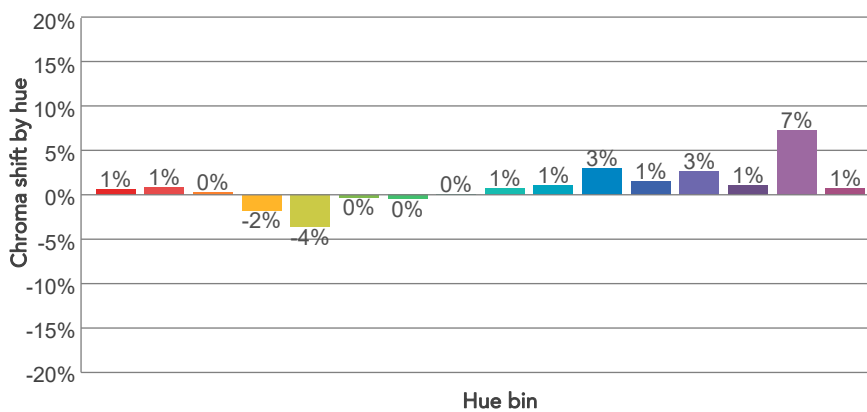
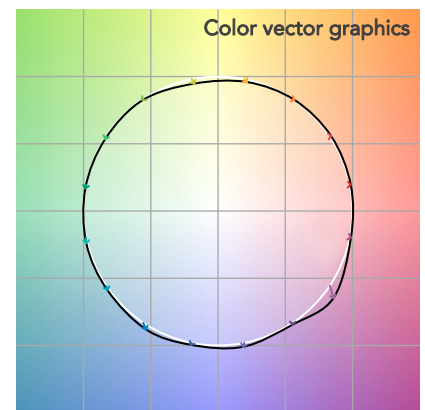
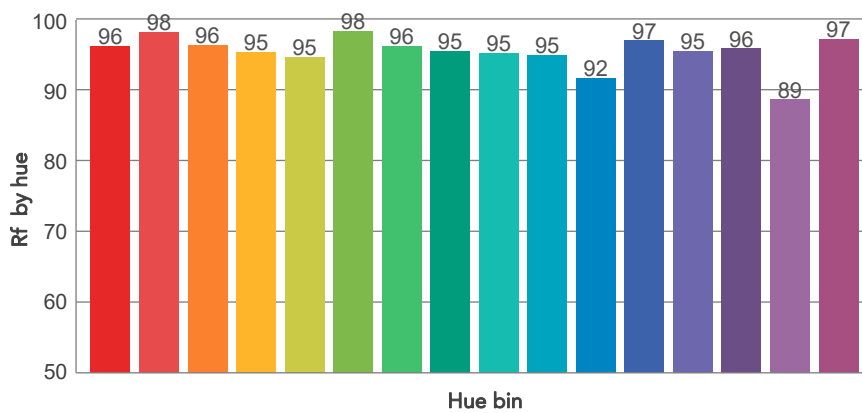
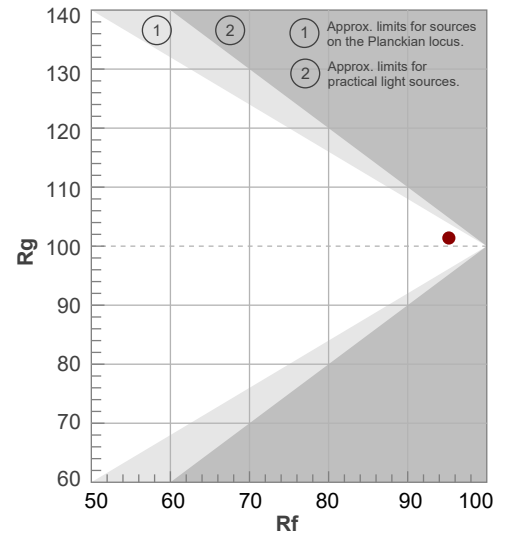
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting Index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5599 K	98,0	94,1	95,2	101,4	97,8	99	0,330	0,344	0,0023

TM30 DETAILS

Rf 95,2
Fidelity index Rf

Rg 101,4
Gammut index

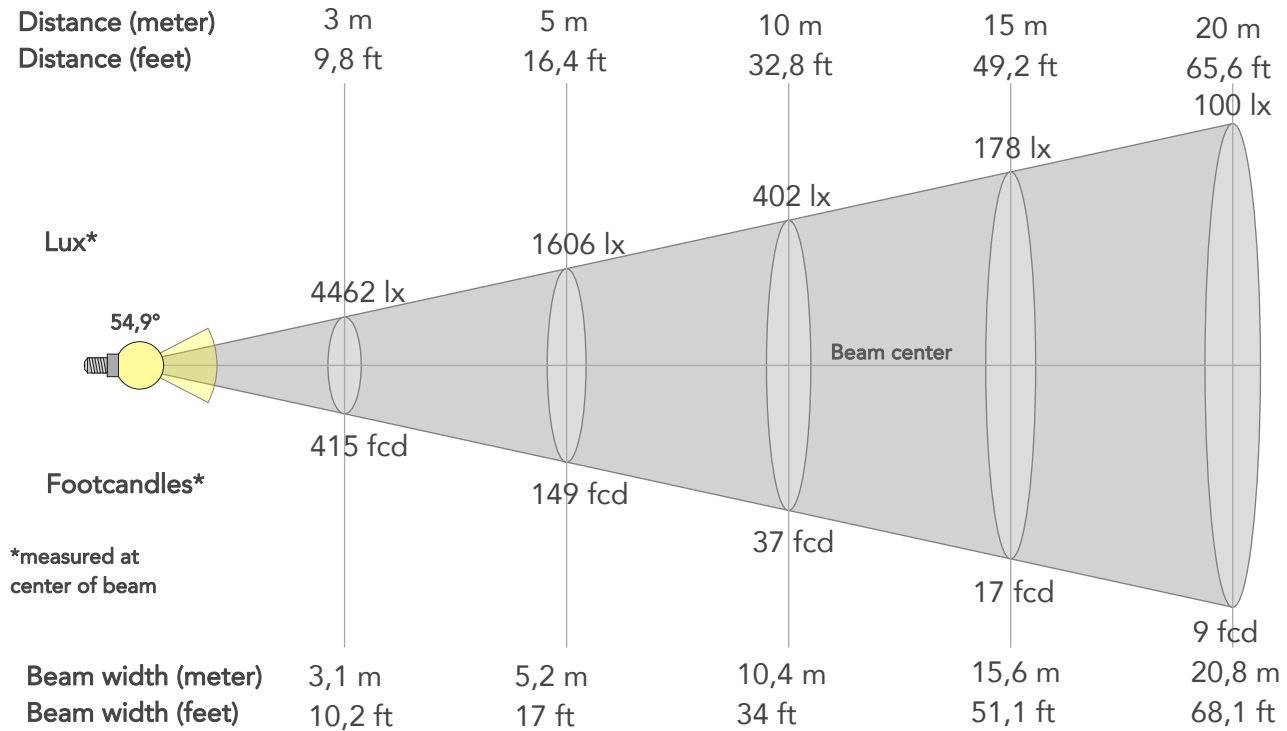
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	0%
2	98	1%	0%
3	96	0%	-1%
4	95	-2%	-2%
5	95	-4%	-1%
6	98	0%	1%
7	96	0%	2%
8	95	0%	3%
9	95	1%	4%
10	95	1%	3%
11	92	3%	4%
12	97	1%	-1%
13	95	3%	-1%
14	96	1%	-1%
15	89	7%	-6%
16	97	1%	0%



BEAM DETAILS



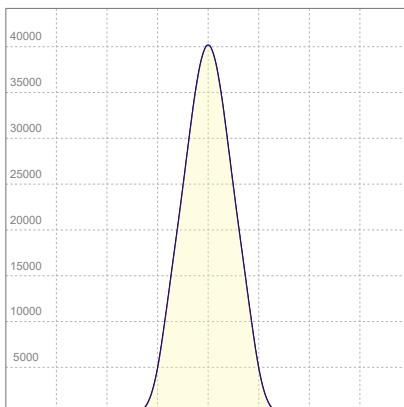
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
54,9°	93°	108,6°	99,0%	92,6%



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	40159lx	10040lx	4462lx	2510lx	1606lx	714lx	402lx	178lx	100lx	64lx	45lx	25lx	16lx
Footcand.	3731fcd	933fcd	415fcd	233fcd	149fcd	66fcd	37fcd	17fcd	9fcd	6fcd	4fcd	2fcd	1fcd
Beam wid.	1m	2,1m	3,1m	4,2m	5,2m	7,8m	10,4m	15,6m	20,8m	25,9m	31,1m	41,5m	51,9m
Beam wid.	3,4ft	6,9ft	10,2ft	13,6ft	17ft	25,5ft	34ft	51,1ft	68,1ft	85,1ft	102,1ft	136,2ft	170,2ft

LINEAR DISTRIBUTION DIAGRAM

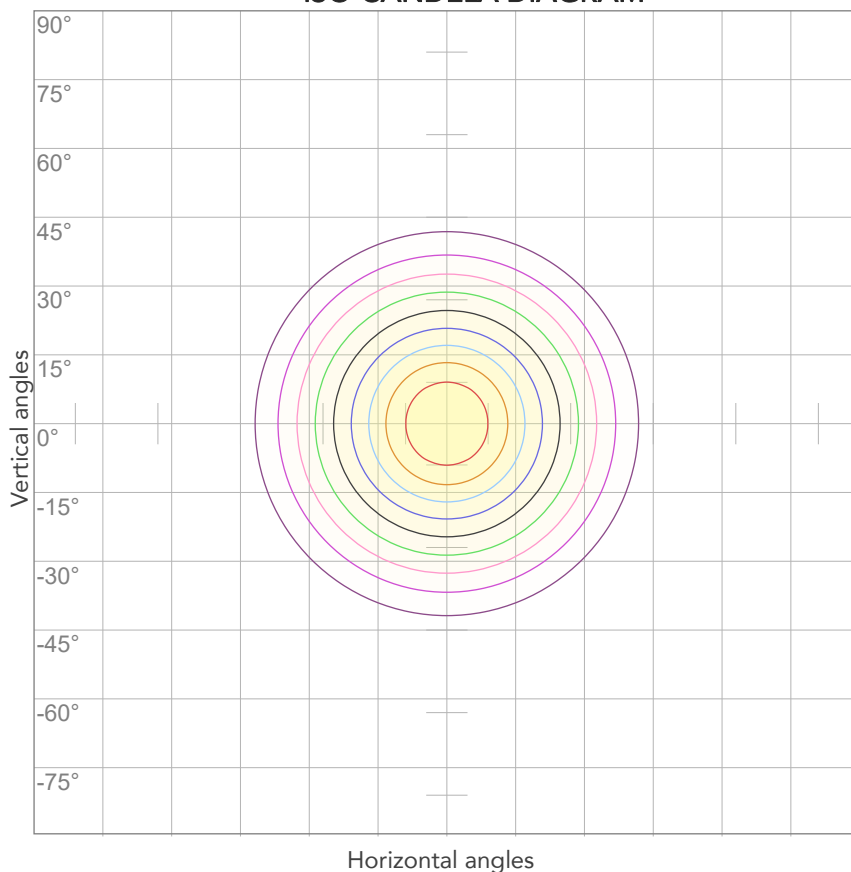


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	2,34A	528,8W	1,0	68lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



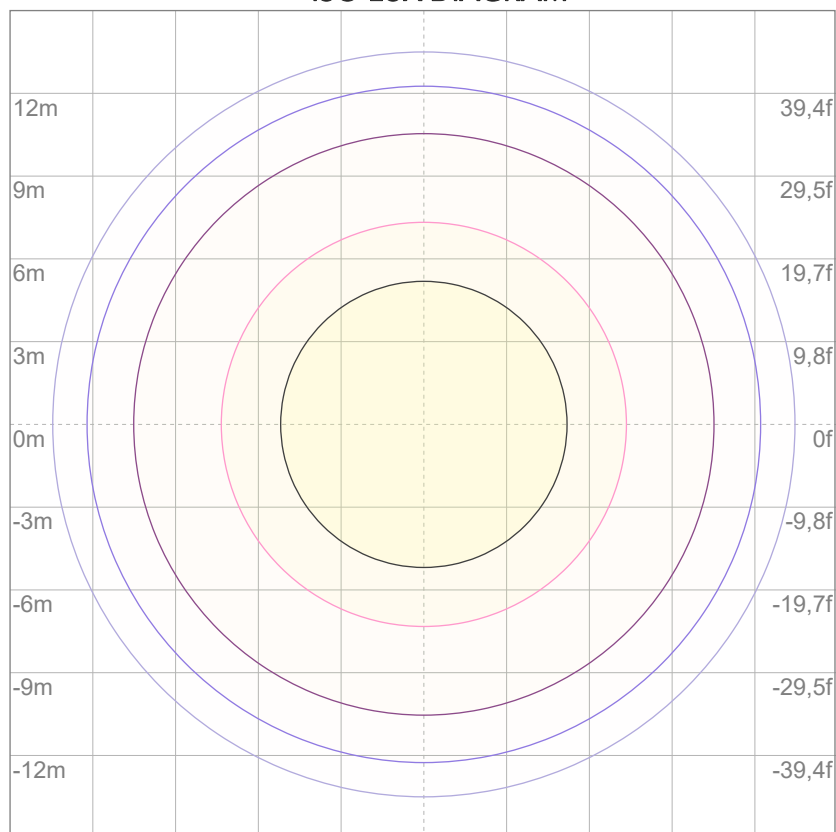
10%	4016 cd
20%	8032 cd
30%	12048 cd
40%	16063 cd
50%	20079 cd
60%	24095 cd
70%	28111 cd
80%	32127 cd

Conditions:

Number of c-planes: 4

Candela at center: 40159 cd

ISO LUX DIAGRAM



3%	12,0 lx
5%	20,1 lx
10%	40,2 lx
30%	120 lx
50%	201 lx

Conditions:

Number of c-planes: 4

Lux at center: 402 lx

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



Total lumen output:

37405 lm

Peak candela output:

41549 cd

Light quality:

CRI: 98,9

Color temperature:

5995 K

PRODUCT NAME:

SUNRISE2FLXVW

MEASURAMENT CONDITIONS:

Beam angle:

Original Optic

Target:

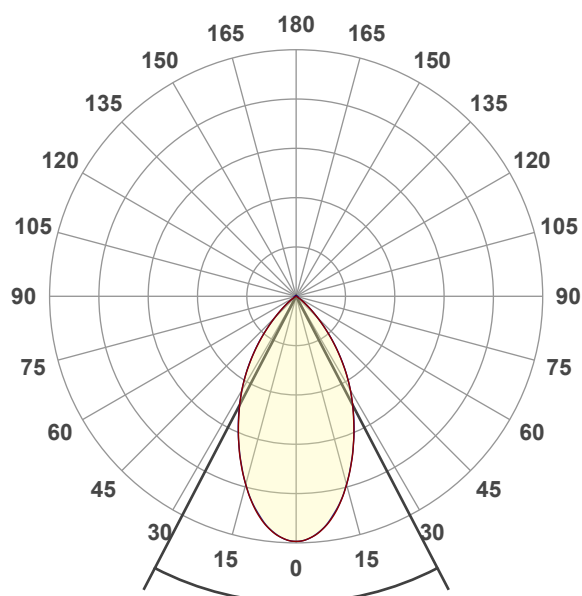
5600K

Operator:

Giuseppe della Peruta

Date and time:

25/08/2025 13:35:54

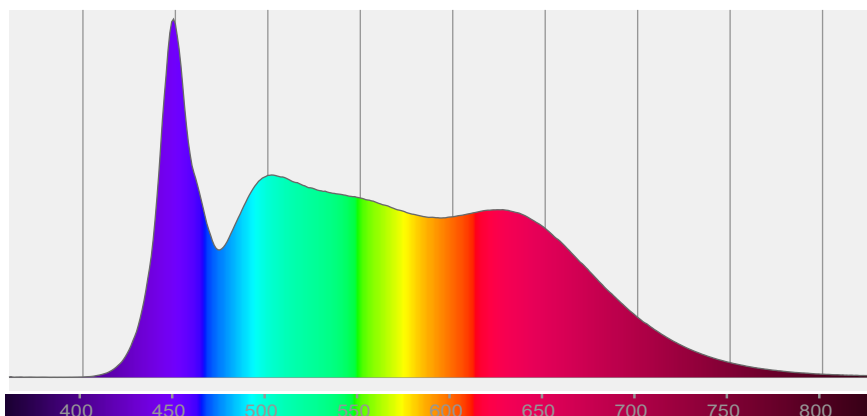


Beam angle 50%: 54,9°

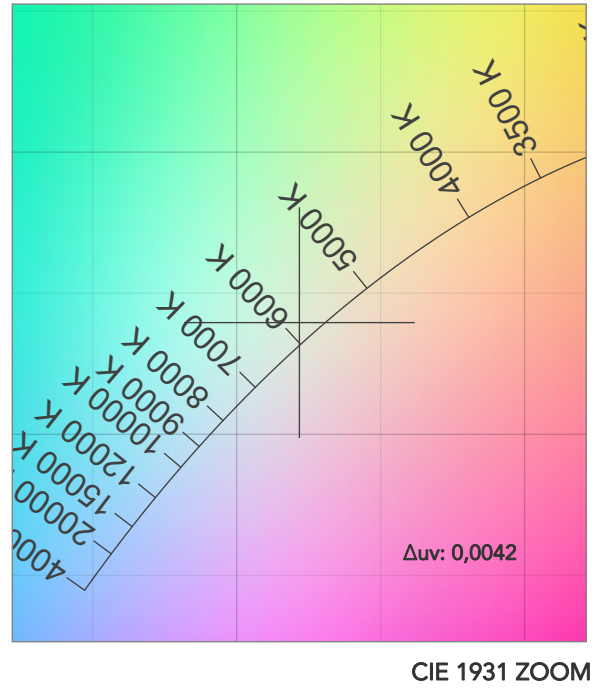
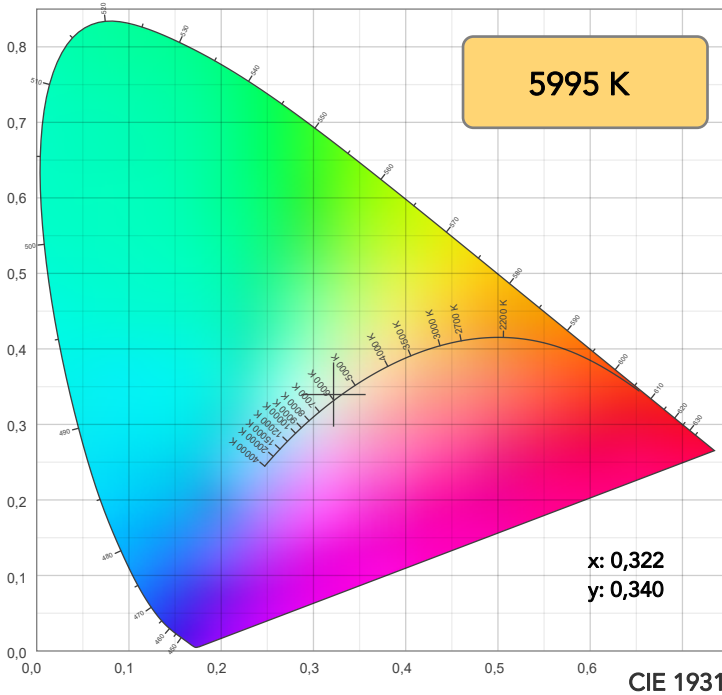
Field angle 10%: 93°

Cut off angle 2.5%: 108,7°

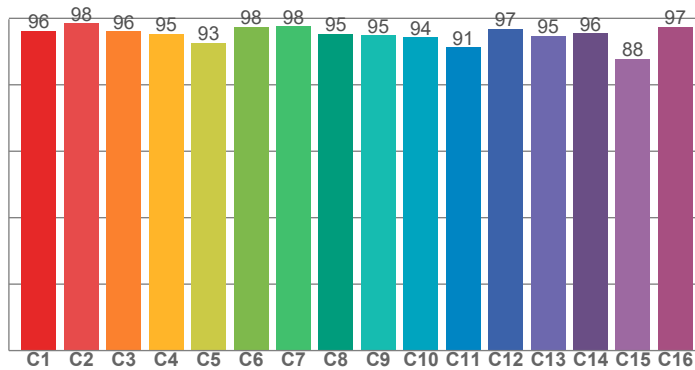
Spectra



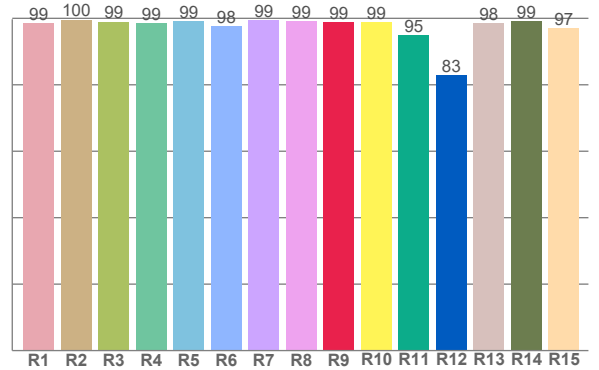
COLOR DETAILS



TM30: 94,9



CRI: 98,9 (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
98,6	99,6	99,0	98,5	99,2	97,6	99,4	99,0	98,8	98,8	95,0	82,9	98,5	99,2	97,2

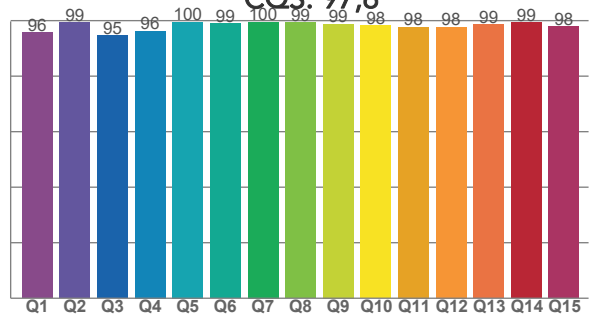
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,2	98,5	96,0	95,4	92,7	97,5	97,7	95,3	94,8	94,3	91,2	96,8	94,8	95,5	87,8	97,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,7	99,3	94,7	96,3	99,5	99,0	99,5	99,4	98,9	98,2	97,7	97,8	98,6	99,3	97,9

CQS: 97,6



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
5995 K	98,9	98,8	94,9	100,7	97,6	99	0,322	0,340	0,0042

TM30 DETAILS

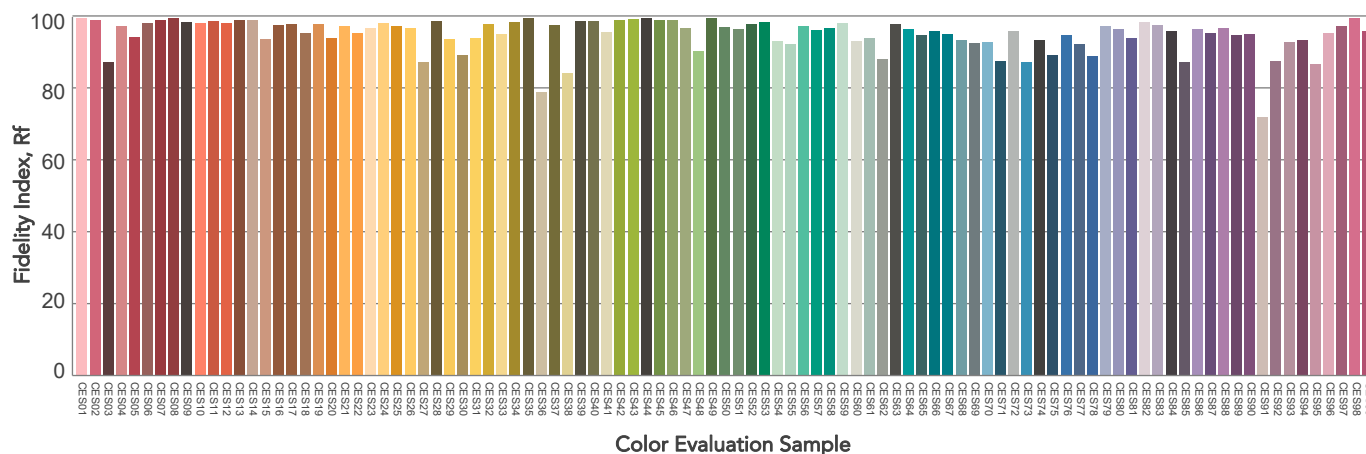
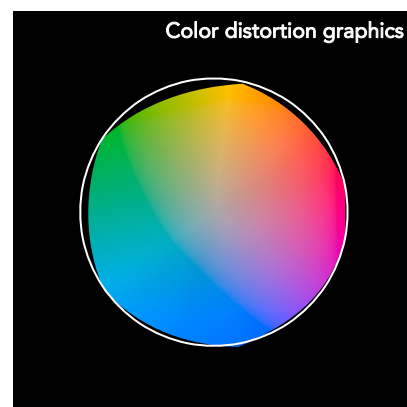
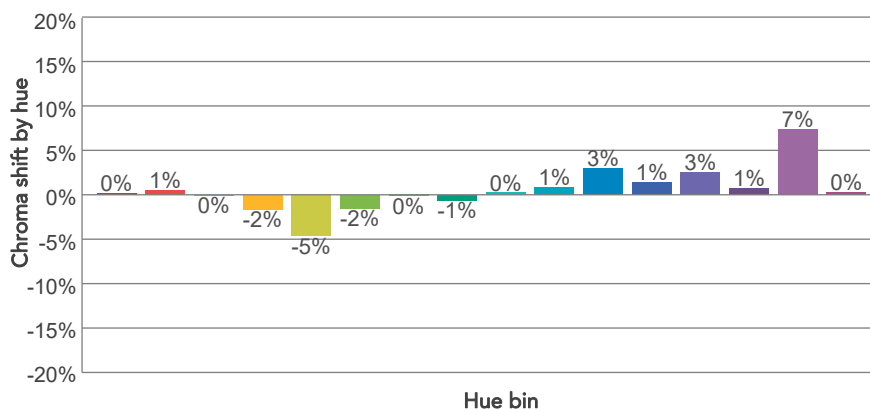
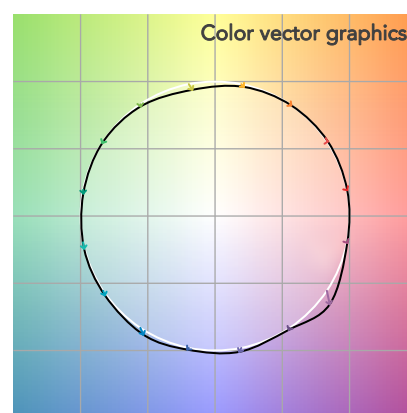
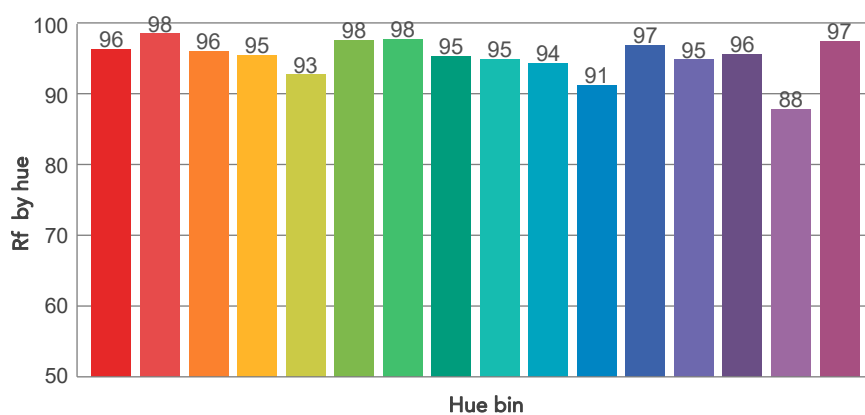
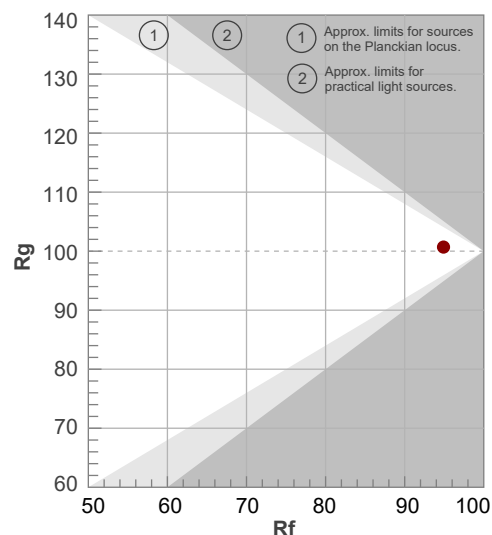
Rf 94,9

Fidelity index R_f

Rg 100,7

Gammut index

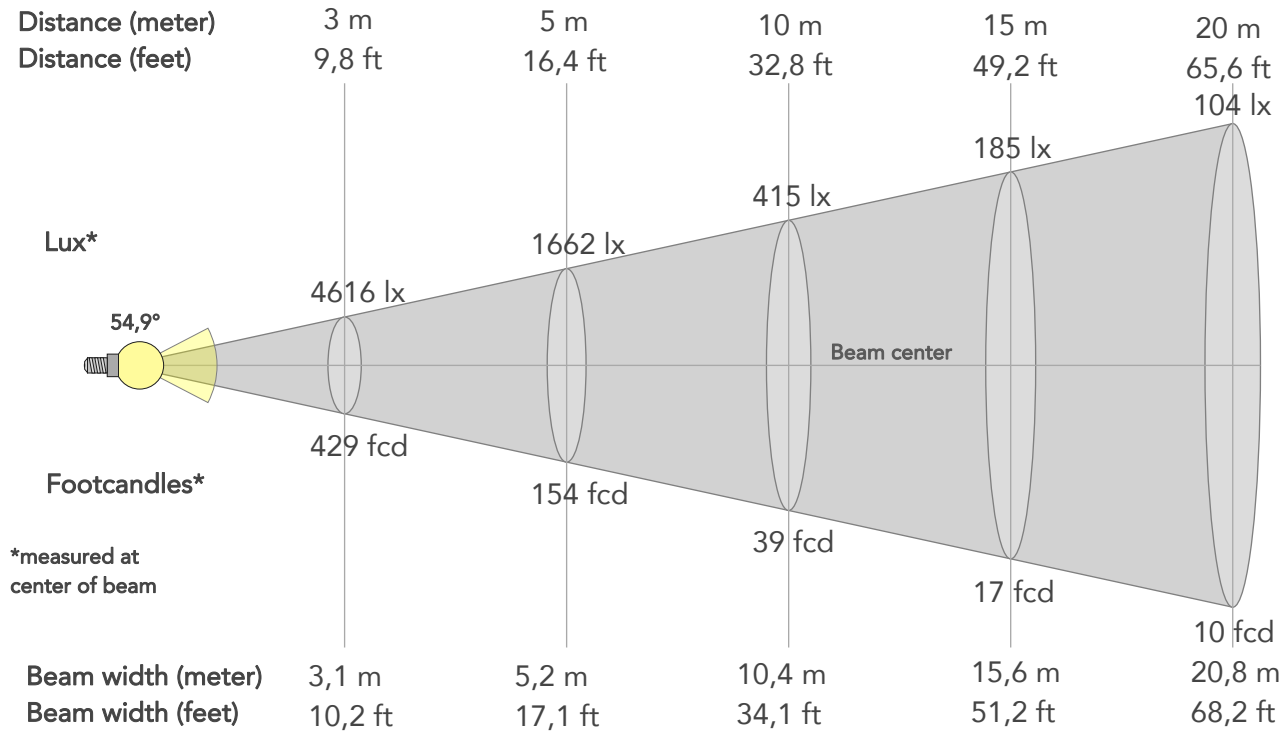
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	96	0%	0%
2	98	1%	-1%
3	96	0%	-1%
4	95	-2%	-2%
5	93	-5%	-2%
6	98	-2%	1%
7	98	0%	1%
8	95	-1%	3%
9	95	0%	5%
10	94	1%	4%
11	91	3%	5%
12	97	1%	-1%
13	95	3%	-2%
14	96	1%	-1%
15	88	7%	-7%
16	97	0%	0%



BEAM DETAILS



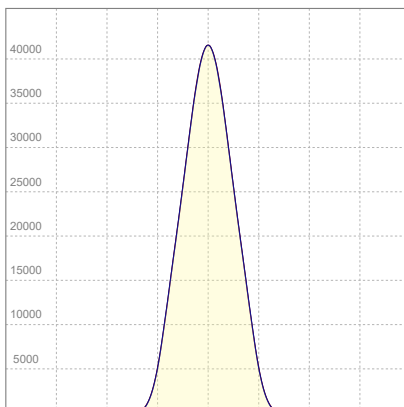
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
54,9°	93°	108,7°	98,9%	92,5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	41545lx	10386lx	4616lx	2597lx	1662lx	739lx	415lx	185lx	104lx	66lx	46lx	26lx	17lx
Footcand.	3860fcd	965fcd	429fcd	241fcd	154fcd	69fcd	39fcd	17fcd	10fcd	6fcd	4fcd	2fcd	2fcd
Beam wid.	1m	2,1m	3,1m	4,2m	5,2m	7,8m	10,4m	15,6m	20,8m	26m	31,2m	41,6m	52m
Beam wid.	3,4ft	6,9ft	10,2ft	13,6ft	17,1ft	25,6ft	34,1ft	51,2ft	68,2ft	85,3ft	102,3ft	136,4ft	170,5ft

LINEAR DISTRIBUTION DIAGRAM

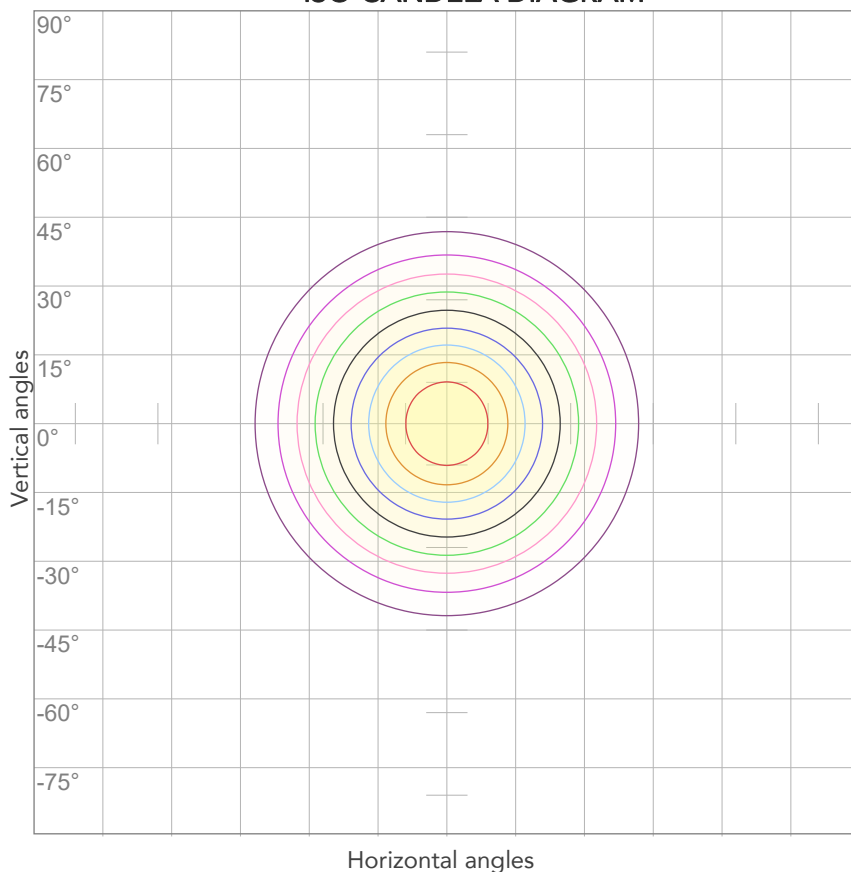


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	2,39A	538,5W	1,0	69lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



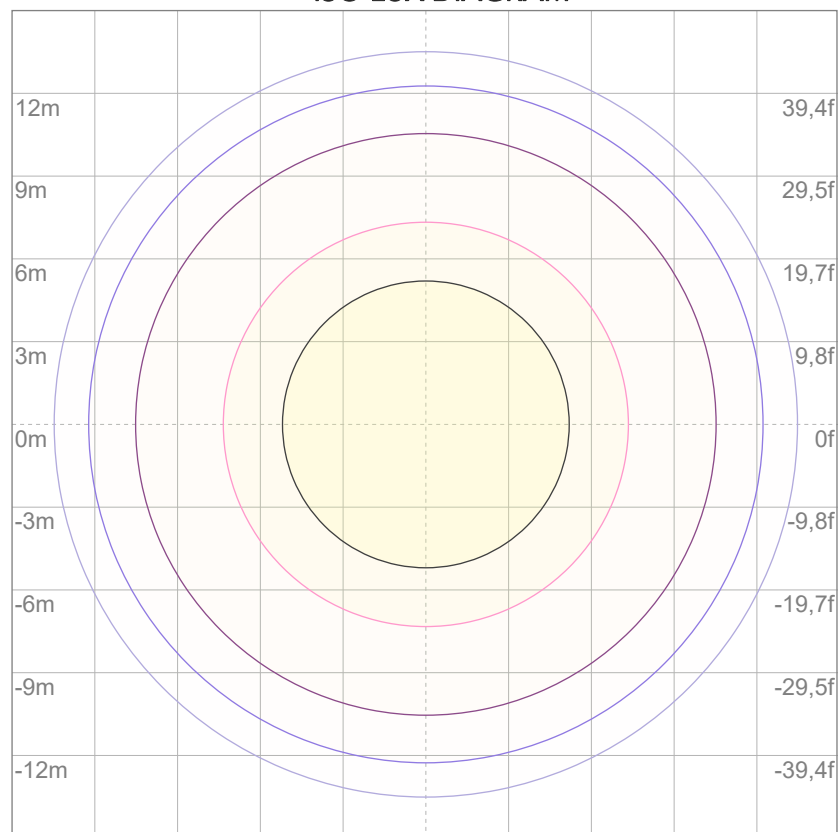
10%	4155 cd
20%	8309 cd
30%	12464 cd
40%	16618 cd
50%	20773 cd
60%	24927 cd
70%	29082 cd
80%	33236 cd

Conditions:

Number of c-planes: 4

Candela at center: 41545 cd

ISO LUX DIAGRAM



3%	12,5 lx
5%	20,8 lx
10%	41,5 lx
30%	125 lx
50%	208 lx

Conditions:

Number of c-planes: 4

Lux at center: 415 lx

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