

Photometric Test Report



EclDisplay CRMXWhite

25W White LED Spotlight with Wireless CRMX and wired control, without lens

(ECLDISPLAYCRMX27K)

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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:

1057 lm

Peak candela output:

83240 cd

Light quality:

CRI: 97,6

Color temperature:

2867 K

PRODUCT NAME:

ECLDISPLAYCRMX27K

MEASURAMENT CONDITIONS:

Beam angle:

Profile 8°

Target:

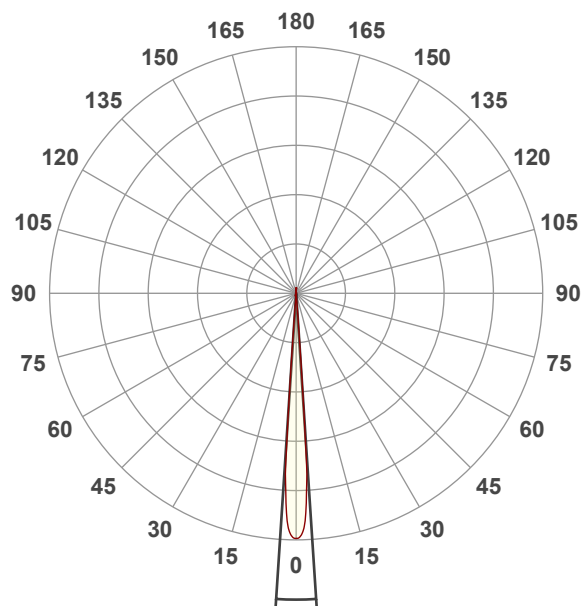
Full On

Operator:

Giacomo Matteo

Date and time:

18/06/2024 09:28:24

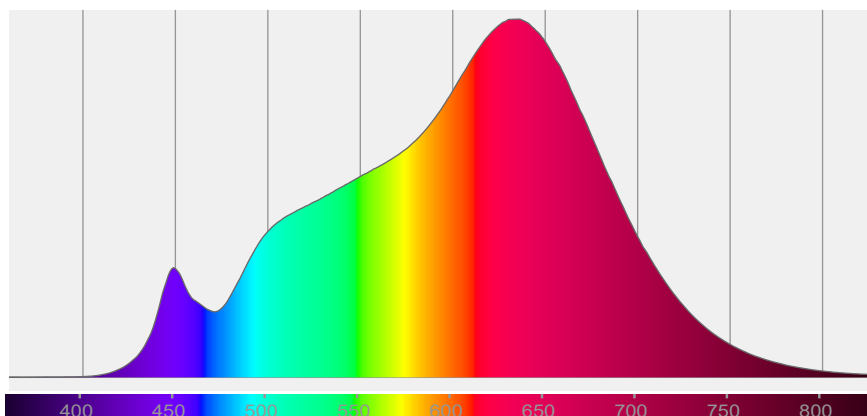


Beam angle 50%: 7,5°

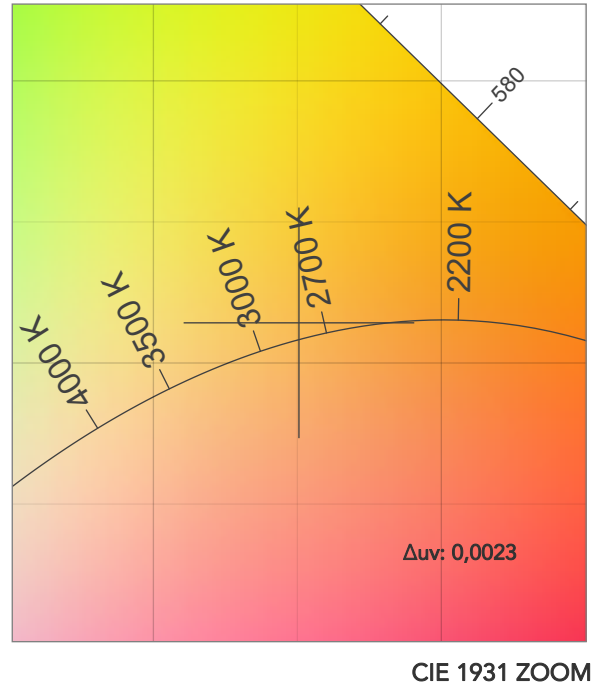
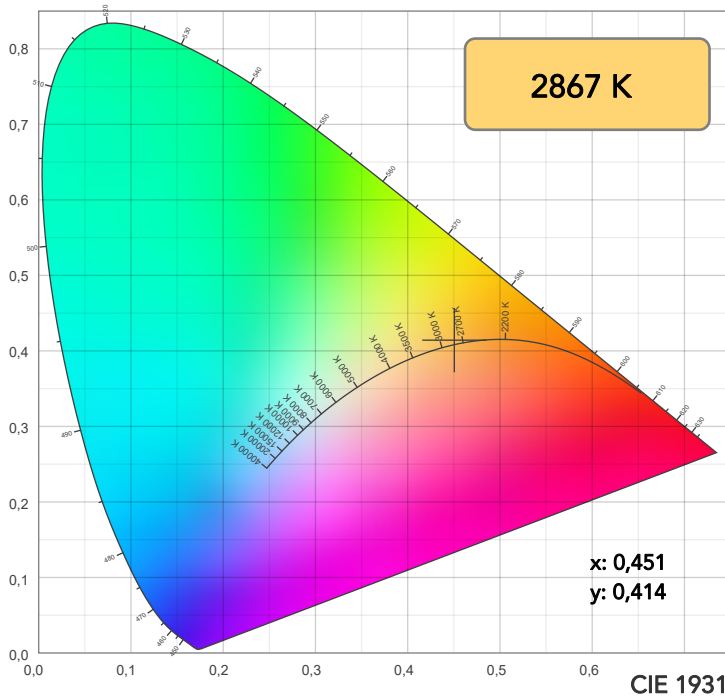
Field angle 10%: 8,7°

Cut off angle 2.5%: 8,9°

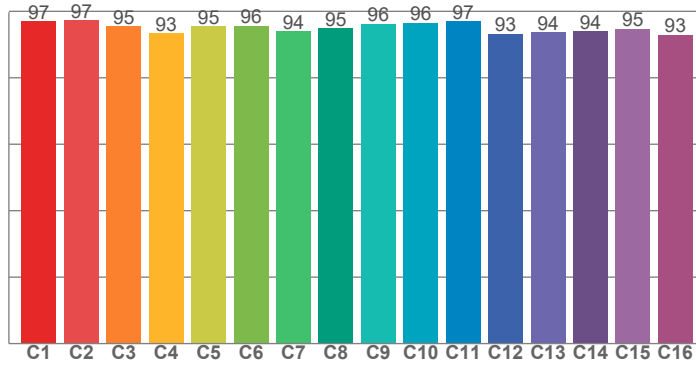
Spectra



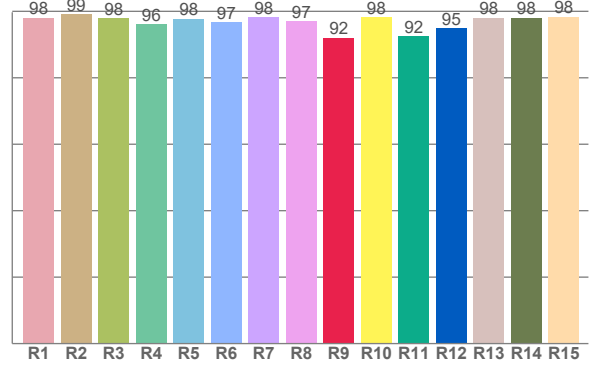
COLOR DETAILS



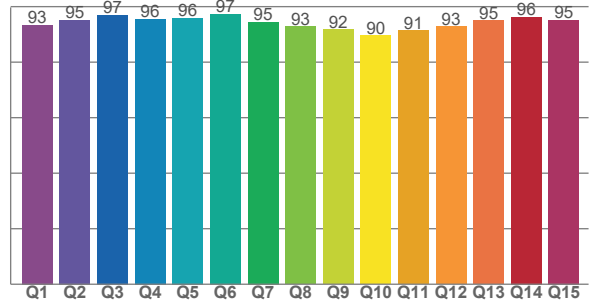
TM30: 95,3



CRI: 97,6 (R1-R8)



CQS: 93,7



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,1	99,1	98,0	96,2	97,8	96,7	98,3	97,1	92,0	98,3	92,5	94,8	98,1	98,1	98,4

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

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,3	95,2	96,9	95,5	95,8	97,4	94,5	92,8	91,7	89,6	91,4	92,8	94,9	96,3	95,2

COLOR PARAMETERS

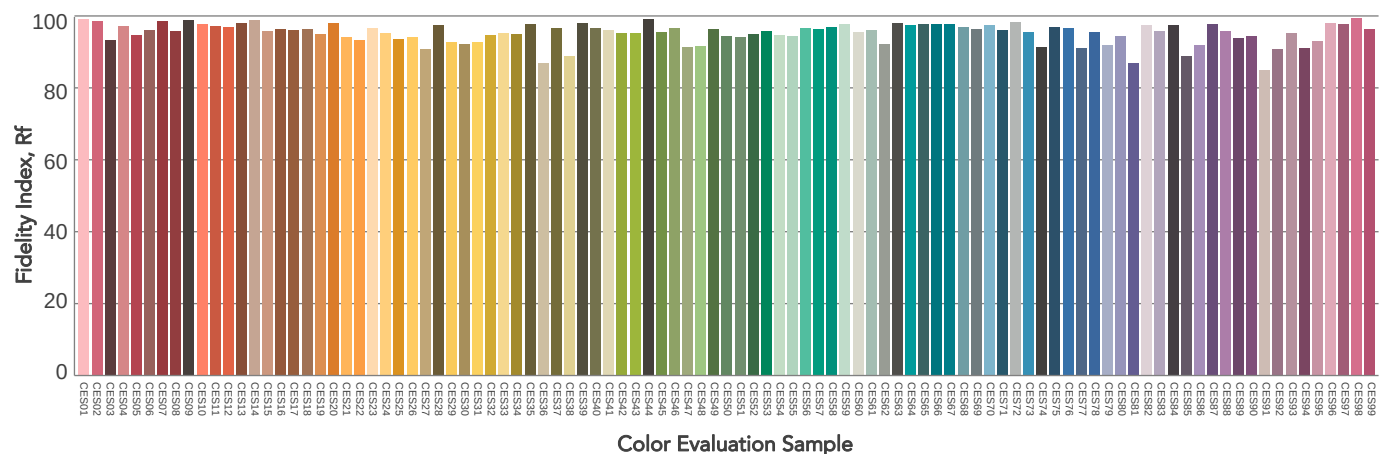
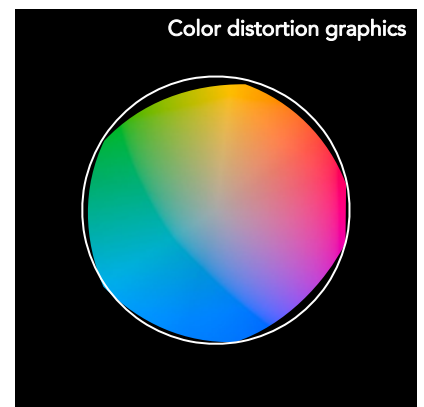
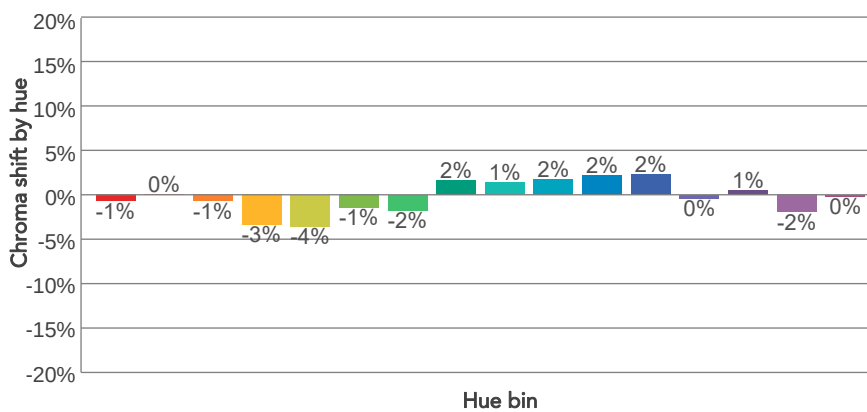
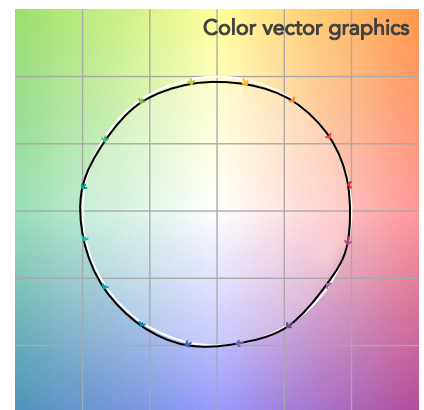
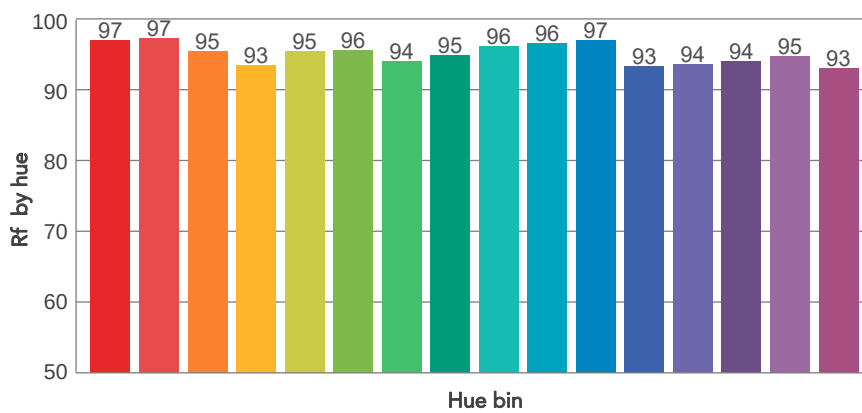
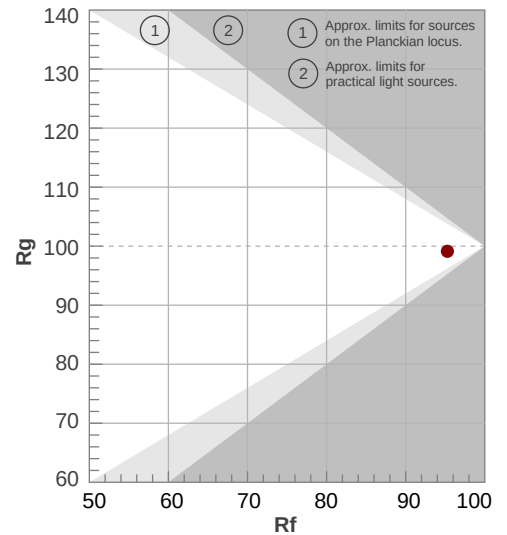
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2867 K	97,6	92,0	95,3	99,1	93,7	97	0,451	0,414	0,0023

TM30 DETAILS

Rf 95,3
Fidelity index Rf

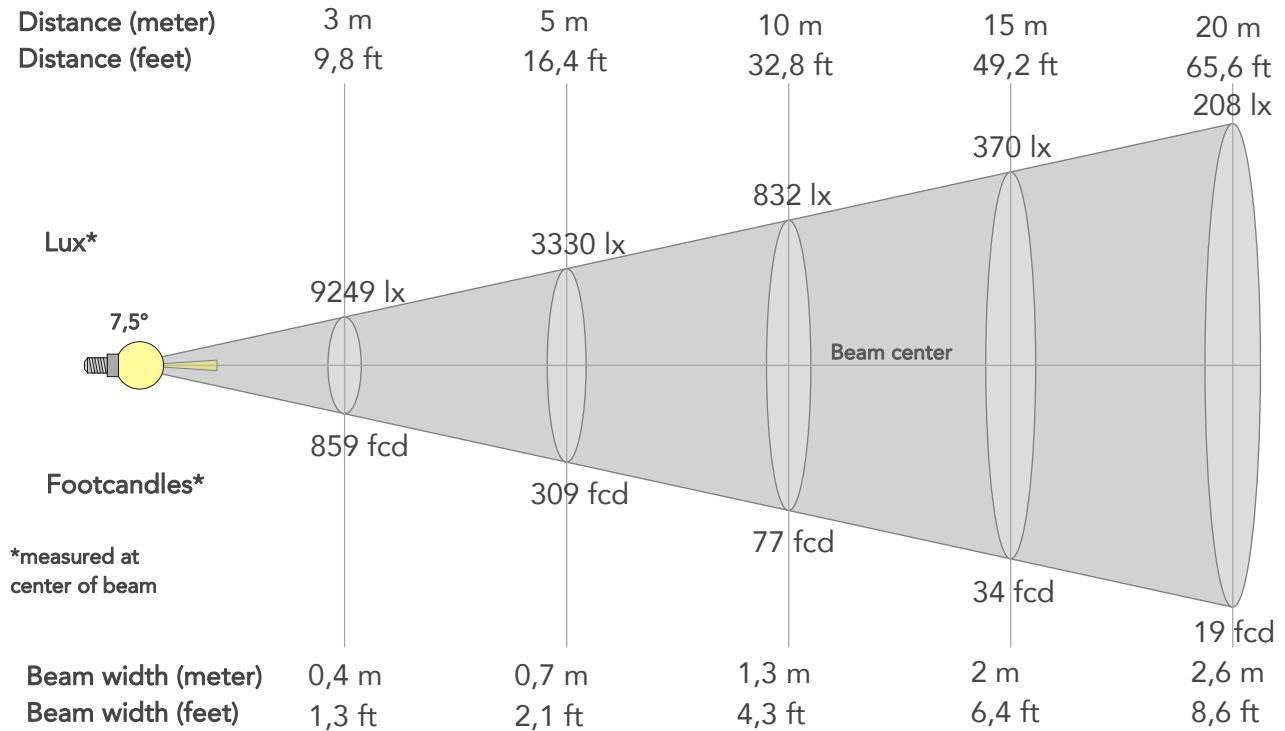
Rg 99,1
Gammut index

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



BEAM DETAILS

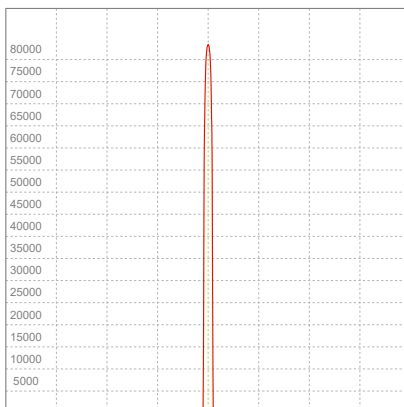
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
7,5°	8,7°	8,9°	99,8%	99,8%



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	83240lx	20810lx	9249lx	5203lx	3330lx	1480lx	832lx	370lx	208lx	133lx	92lx	52lx	33lx
Footcand.	7733fcd	1933fcd	859fcd	483fcd	309fcd	137fcd	77fcd	34fcd	19fcd	12fcd	9fcd	5fcd	3fcd
Beam wid.	0,1m	0,3m	0,4m	0,5m	0,7m	1m	1,3m	2m	2,6m	3,3m	3,9m	5,2m	6,5m
Beam wid.	0,4ft	0,9ft	1,3ft	1,7ft	2,1ft	3,2ft	4,3ft	6,4ft	8,6ft	10,7ft	12,9ft	17,2ft	21,5ft

LINEAR DISTRIBUTION DIAGRAM

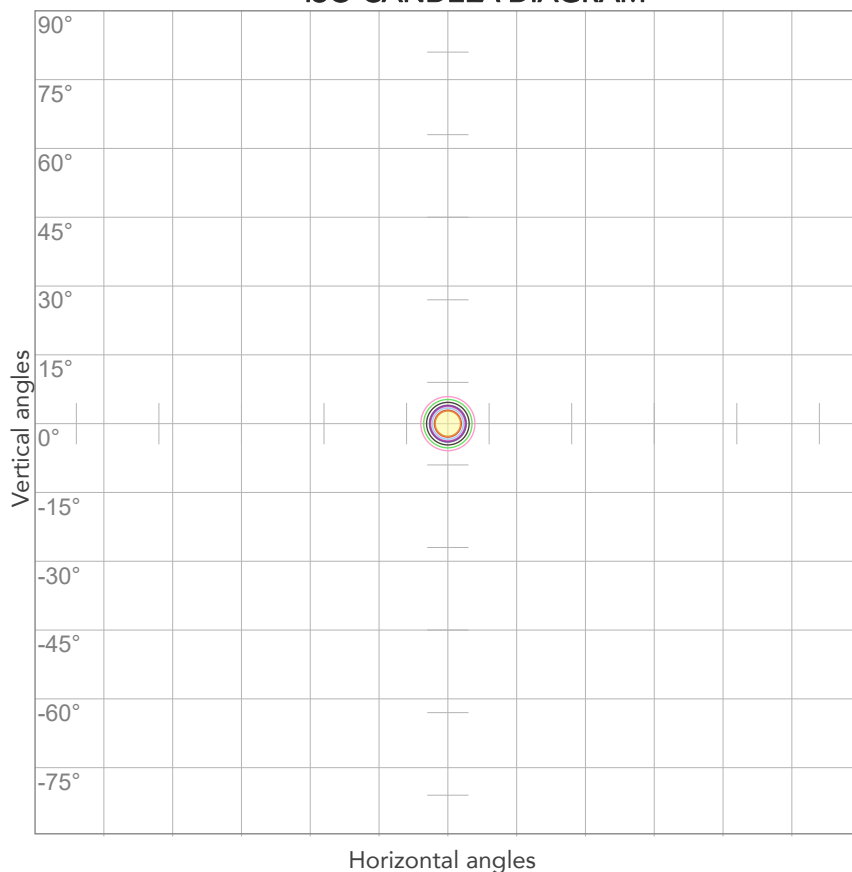


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,158A	34,0W	0,95	31lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



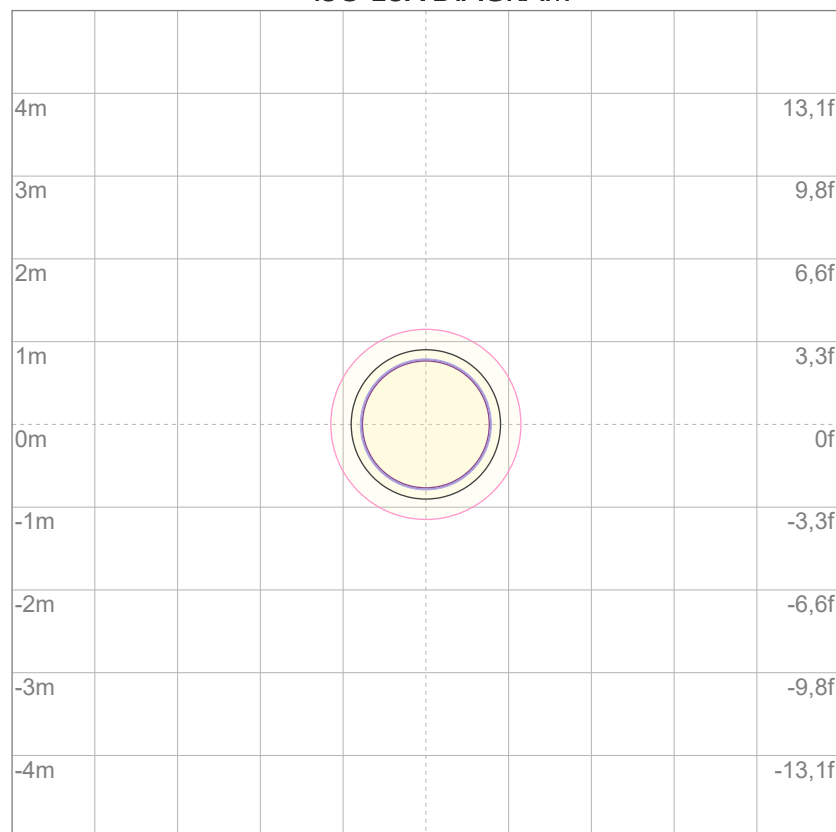
10%	8324 cd
20%	16648 cd
30%	24972 cd
40%	33296 cd
50%	41620 cd
60%	49944 cd
70%	58268 cd
80%	66592 cd

Conditions:

Number of c-planes: 2

Candela at center: 83240 cd

ISO LUX DIAGRAM



3%	25,0 lx
5%	41,6 lx
10%	83,2 lx
30%	250 lx
50%	416 lx

Conditions:

Number of c-planes: 2

Lux at center: 832 lx

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



Total lumen output:

1318 lm

Peak candela output:

22388 cd

Light quality:

CRI: 97,4

Color temperature:

2817 K

PRODUCT NAME:
ECLDISPLAYCRMX27K

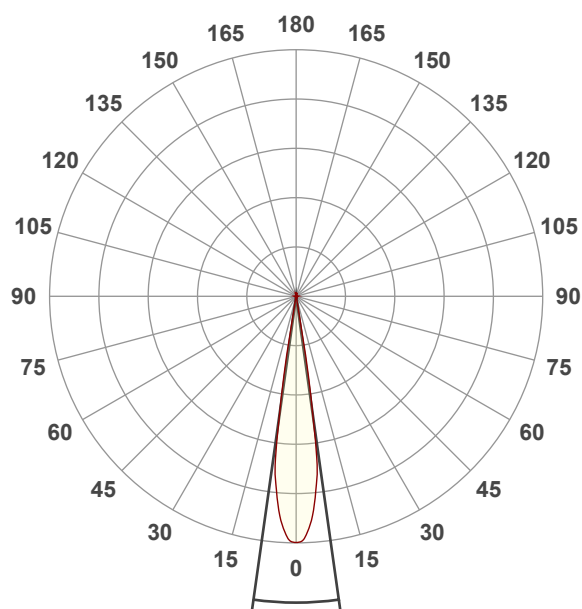
MEASURAMENT CONDITIONS:

Beam angle:
Profile 18°

Target:
Full On

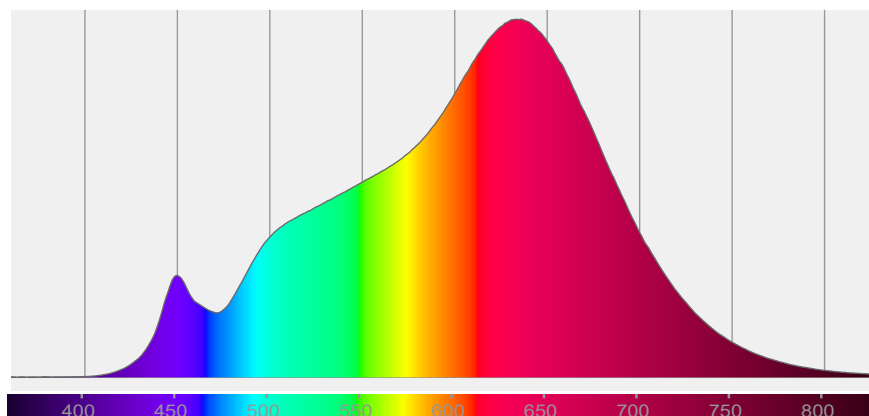
Operator:
Giacomo Matteo

Date and time:
18/06/2024 09:39:35

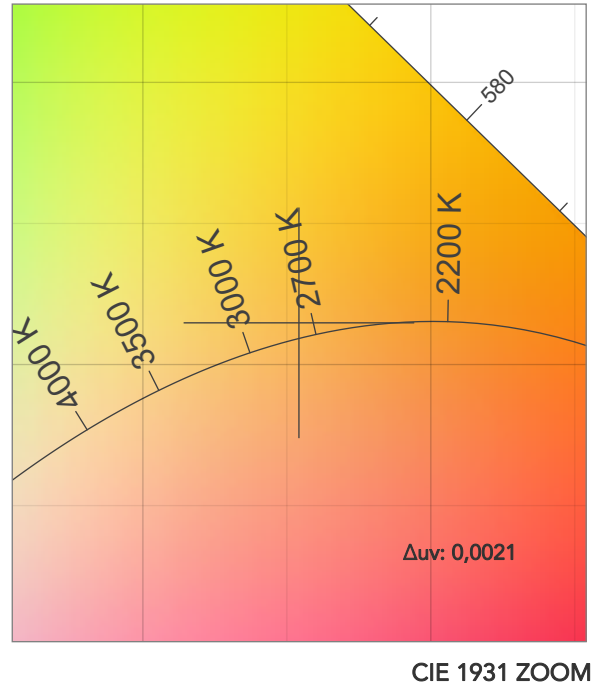
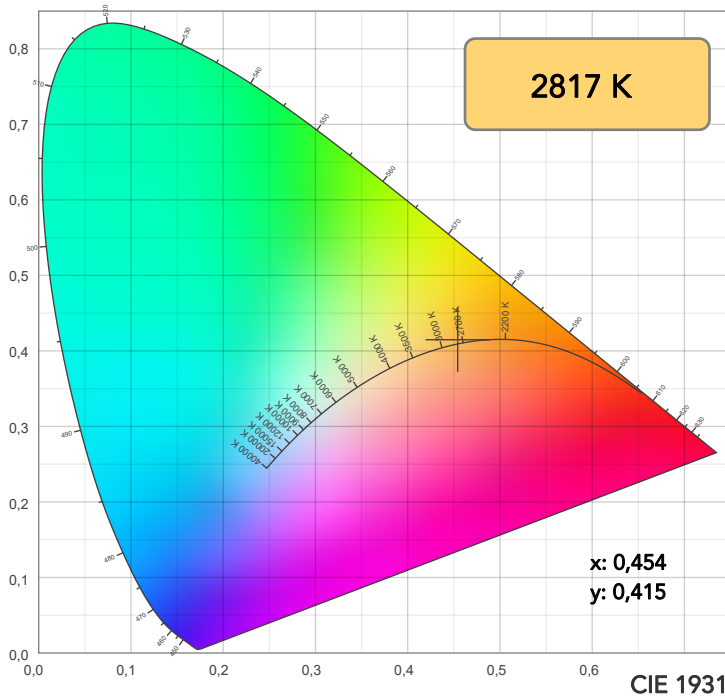


Beam angle 50%: 16°
Field angle 10%: 19,8°
Cut off angle 2.5%: 20,5°

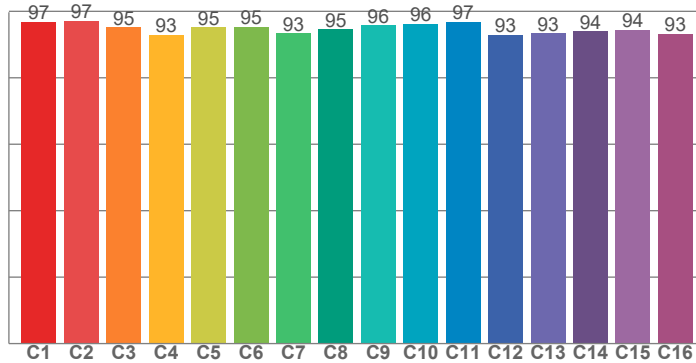
Spectra



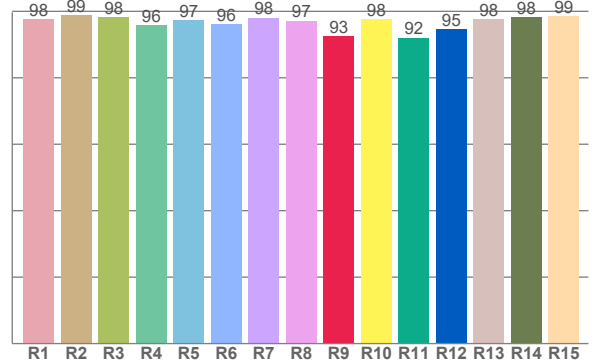
COLOR DETAILS



TM30: 95,0



CRI: 97,4 (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
97,7	98,8	98,2	95,9	97,3	96,1	98,1	97,1	92,6	97,7	92,0	94,6	97,7	98,2	98,6

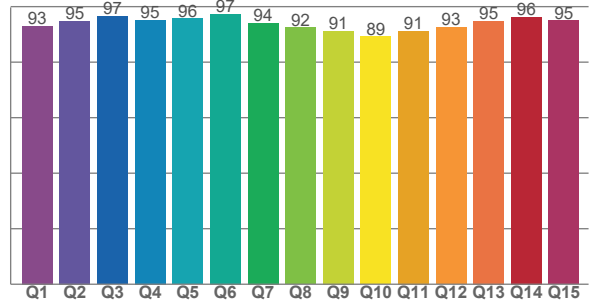
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,9	97,2	95,1	92,9	95,2	95,3	93,4	94,5	95,8	96,2	96,7	92,9	93,4	94,0	94,4	93,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,0	94,9	96,5	95,2	95,8	97,4	94,1	92,4	91,3	89,3	91,2	92,6	94,7	96,3	95,0

CQS: 93,4



COLOR PARAMETERS

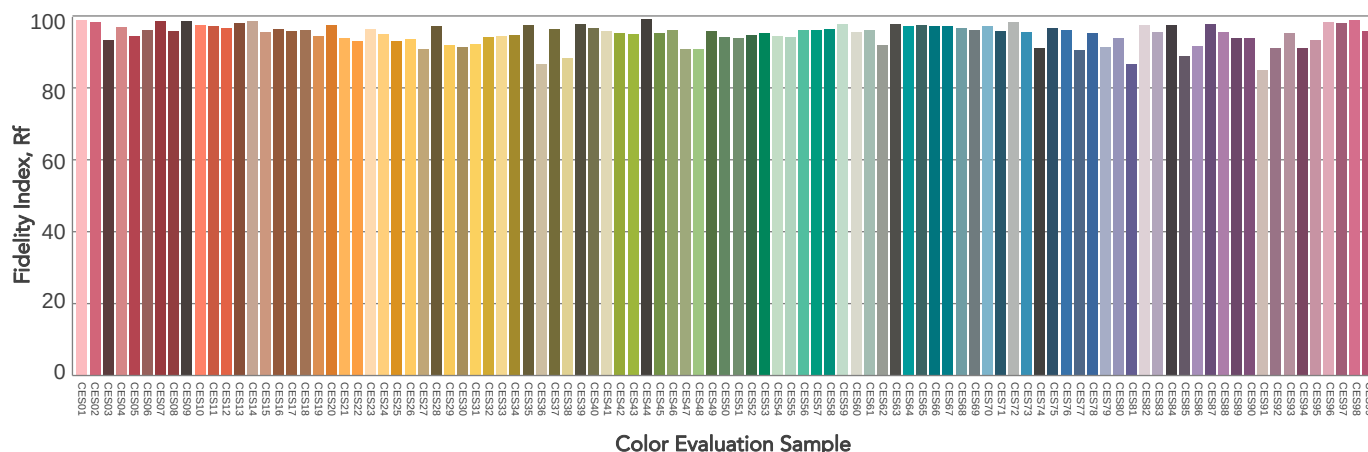
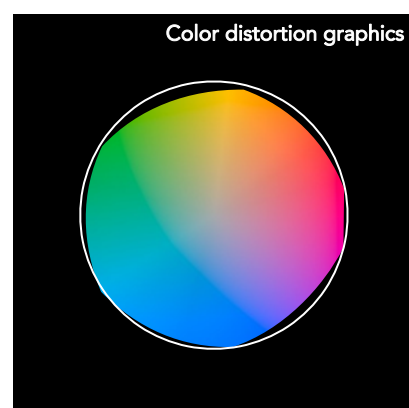
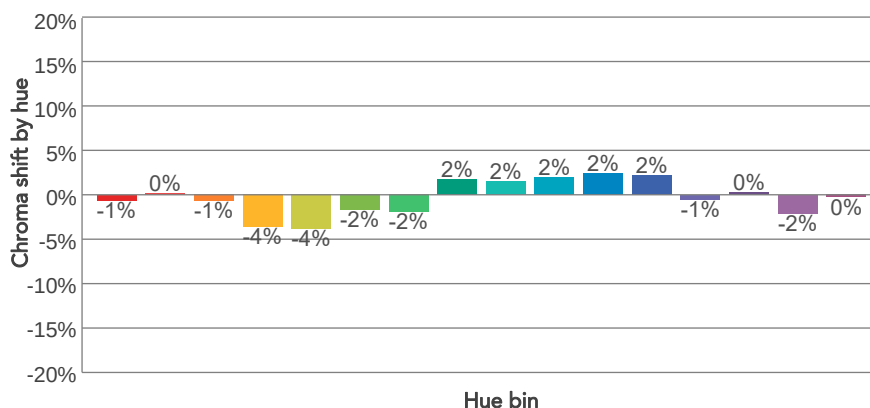
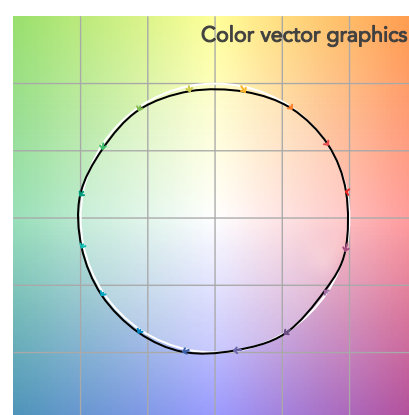
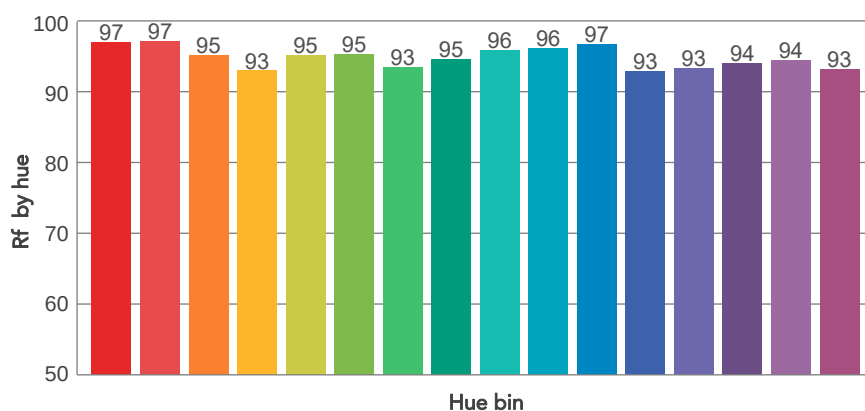
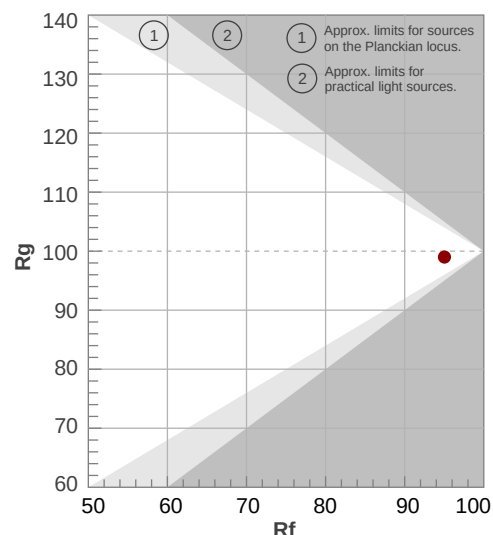
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2817 K	97,4	92,6	95,0	99,0	93,4	97	0,454	0,415	0,0021

TM30 DETAILS

Rf 95,0
Fidelity index Rf

Rg 99,0
Gammut index

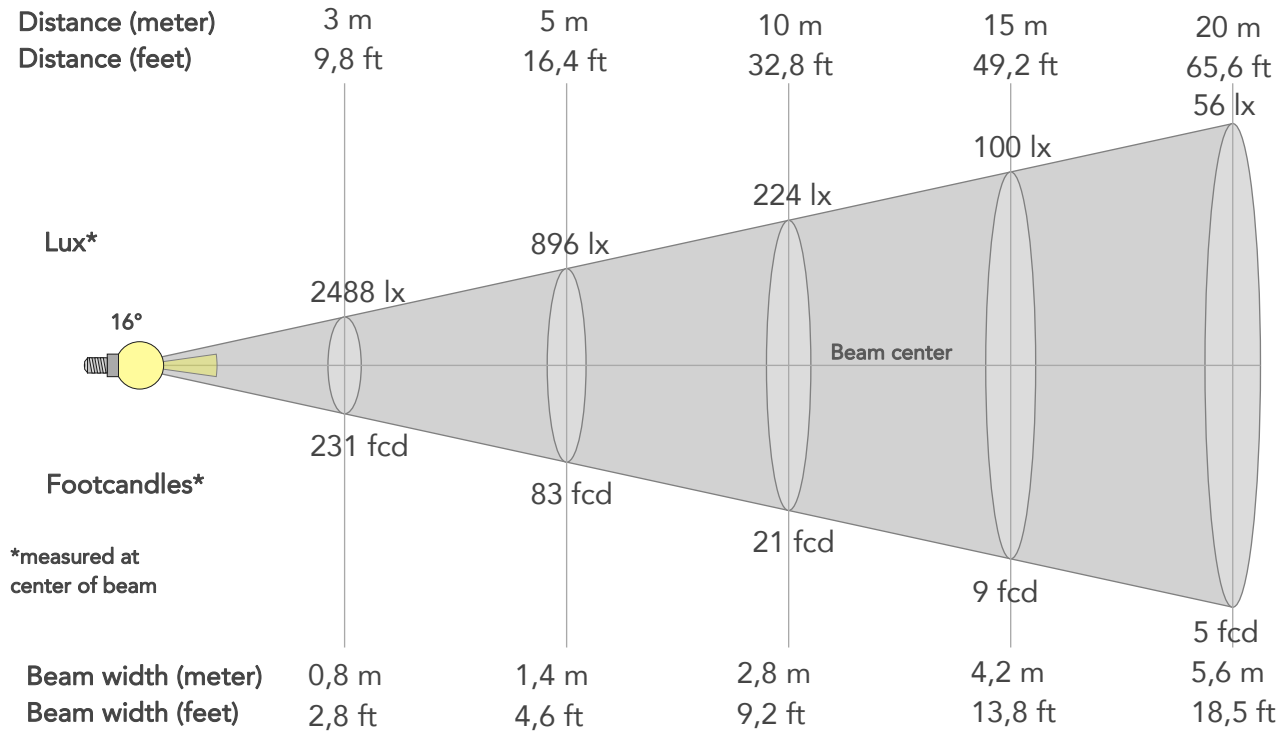
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	-1%	0%
2	97	0%	-1%
3	95	-1%	-2%
4	93	-4%	-3%
5	95	-4%	0%
6	95	-2%	3%
7	93	-2%	4%
8	95	2%	3%
9	96	2%	2%
10	96	2%	1%
11	97	2%	0%
12	93	2%	-4%
13	93	-1%	-5%
14	94	0%	-5%
15	94	-2%	0%
16	93	0%	-5%



BEAM DETAILS



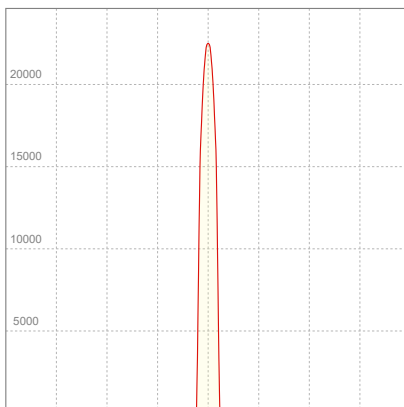
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16°	19,8°	20,5°	99,6%	99,5%



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	22388lx	5597lx	2488lx	1399lx	896lx	398lx	224lx	100lx	56lx	36lx	25lx	14lx	9lx
Footcand.	2080fcd	520fcd	231fcd	130fcd	83fcd	37fcd	21fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,3m	0,6m	0,8m	1,1m	1,4m	2,1m	2,8m	4,2m	5,6m	7m	8,4m	11,3m	14,1m
Beam wid.	0,9ft	1,9ft	2,8ft	3,7ft	4,6ft	6,9ft	9,2ft	13,8ft	18,5ft	23,1ft	27,7ft	36,9ft	46,1ft

LINEAR DISTRIBUTION DIAGRAM

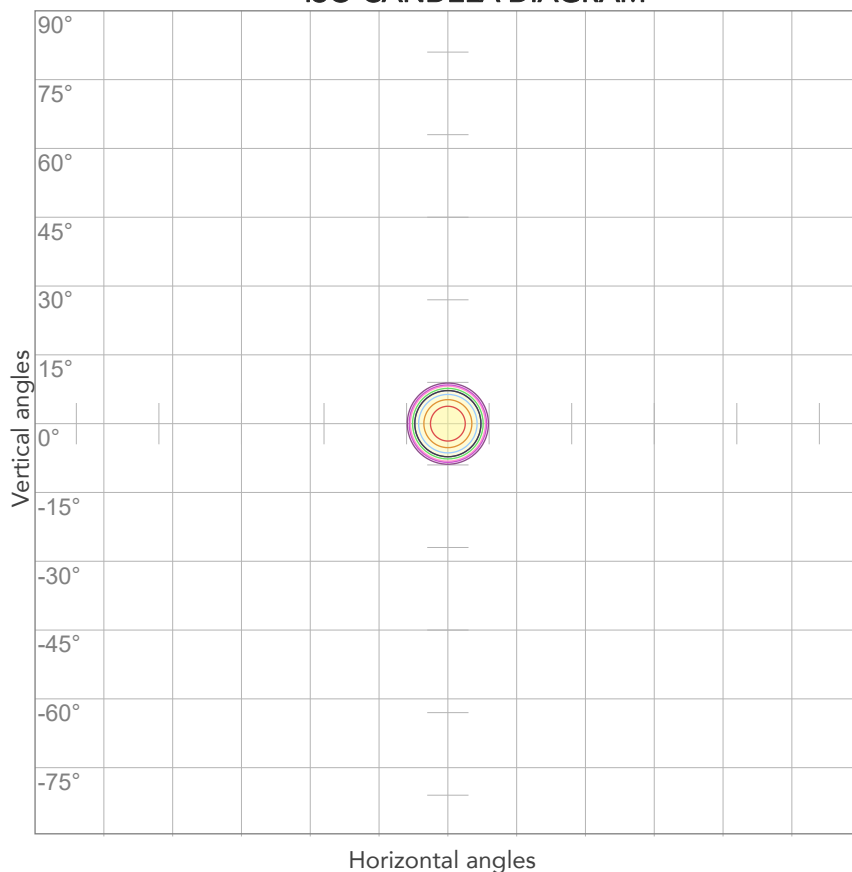


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,156A	33,7W	0,95	39lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



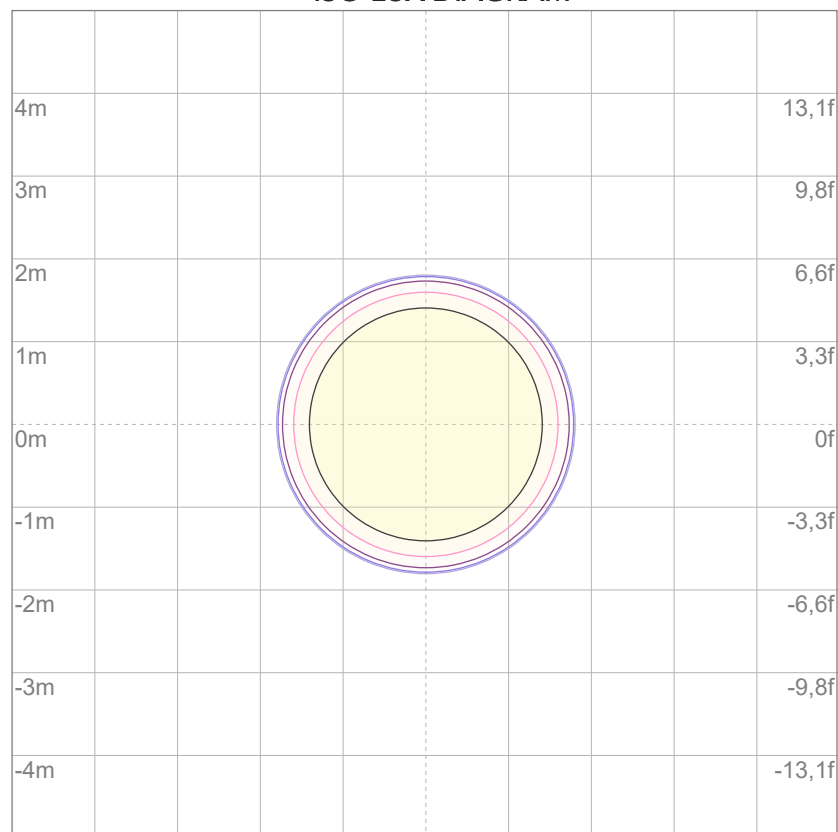
10%	2239 cd
20%	4478 cd
30%	6716 cd
40%	8955 cd
50%	11194 cd
60%	13433 cd
70%	15672 cd
80%	17911 cd

Conditions:

Number of c-planes: 2

Candela at center: 22388 cd

ISO LUX DIAGRAM



3%	6,72 lx
5%	11,2 lx
10%	22,4 lx
30%	67,2 lx
50%	112 lx

Conditions:

Number of c-planes: 2

Lux at center: 224 lx

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



Total lumen output:

1306 lm

Peak candela output:

5849 cd

Light quality:

CRI: 97,5

Color temperature:

2781 K

PRODUCT NAME:

ECLDISPLAYCRMX27K

MEASURAMENT CONDITIONS:

Beam angle:

Profile 36°

Target:

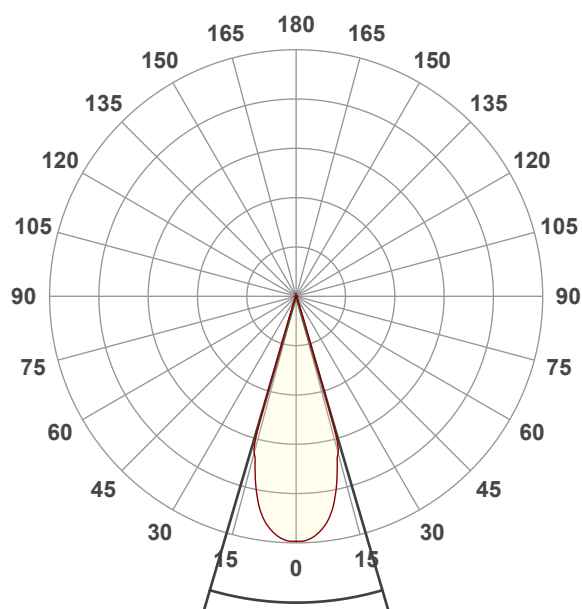
Full On

Operator:

Giacomo Matteo

Date and time:

18/06/2024 09:36:22

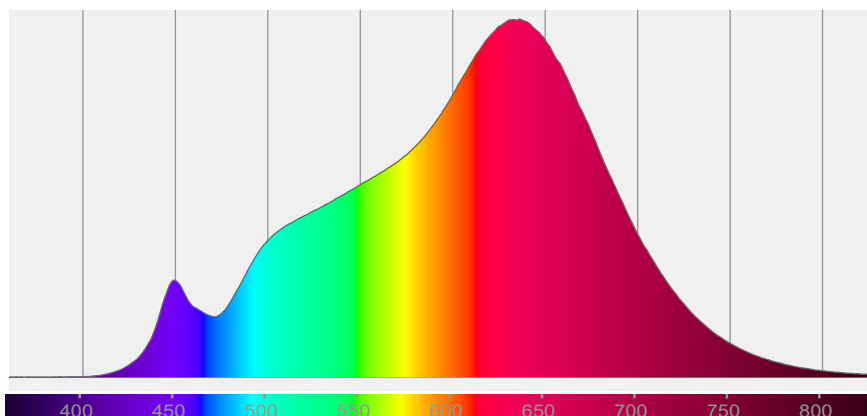


Beam angle 50%: 32,7°

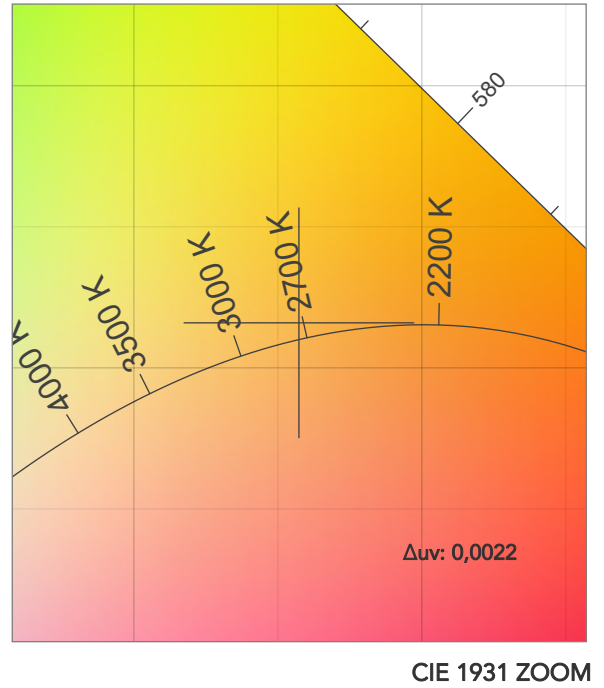
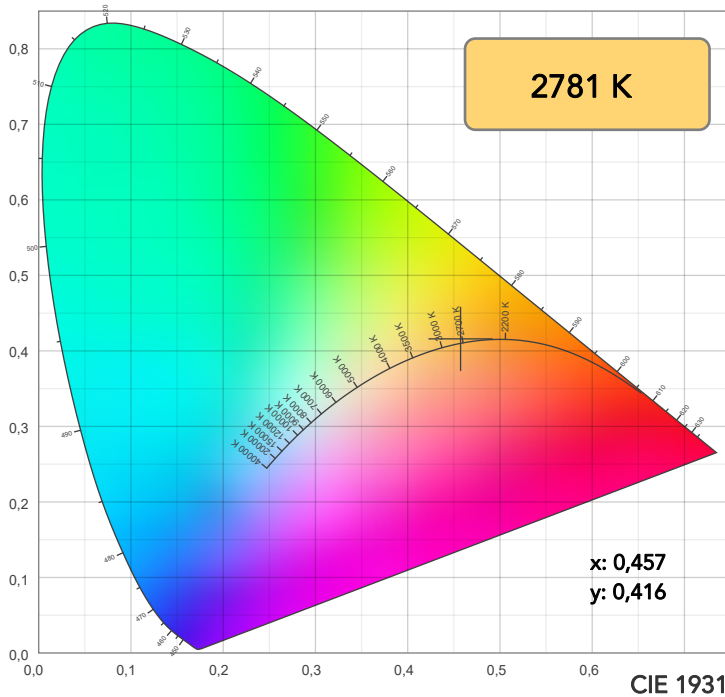
Field angle 10%: 36°

Cut off angle 2.5%: 39°

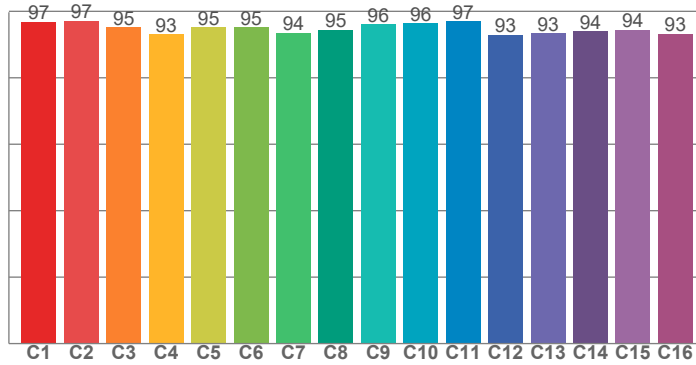
Spectra



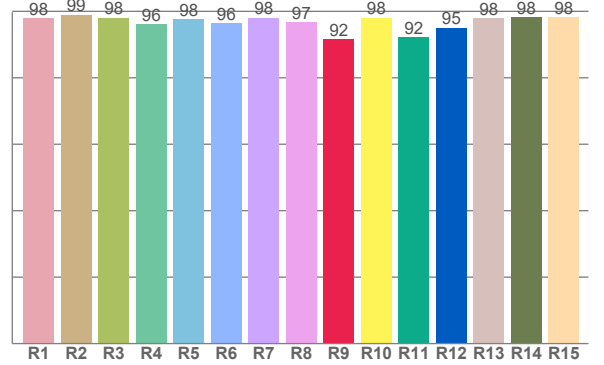
COLOR DETAILS



TM30: 95,1



CRI: 97,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,0	99,0	98,1	96,0	97,6	96,3	98,1	96,8	91,7	98,0	92,2	95,0	98,0	98,1	98,3

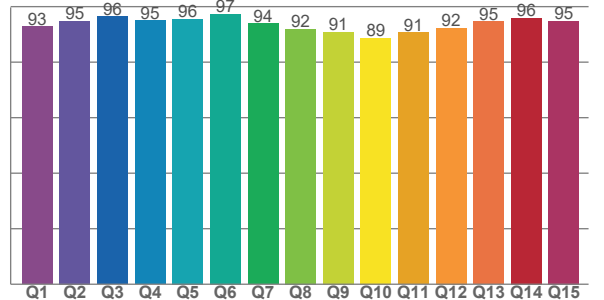
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,9	94,7	96,4	95,0	95,6	97,3	93,8	92,0	90,9	88,7	90,7	92,2	94,6	96,0	94,9

CQS: 93,1



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
2781 K	97,5	91,7	95,1	98,9	93,1	97	0,457	0,416	0,0022

TM30 DETAILS

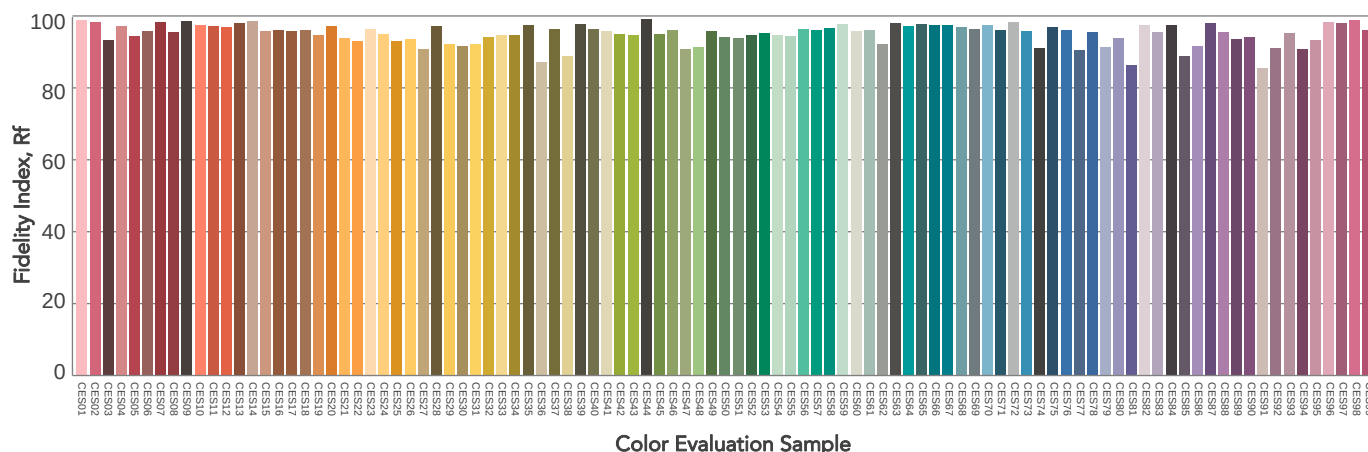
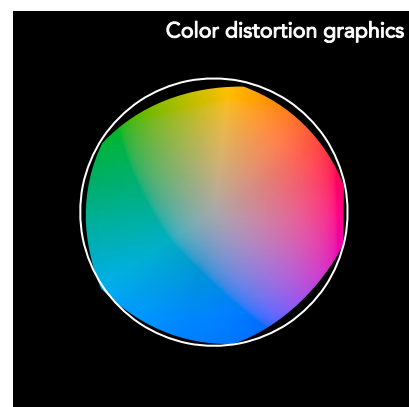
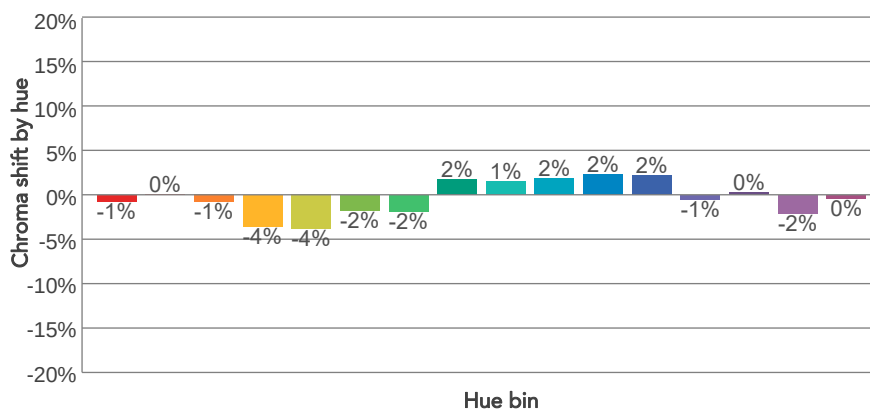
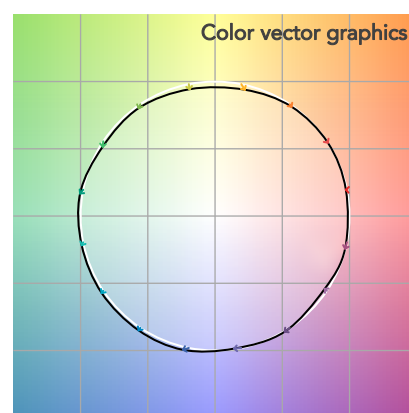
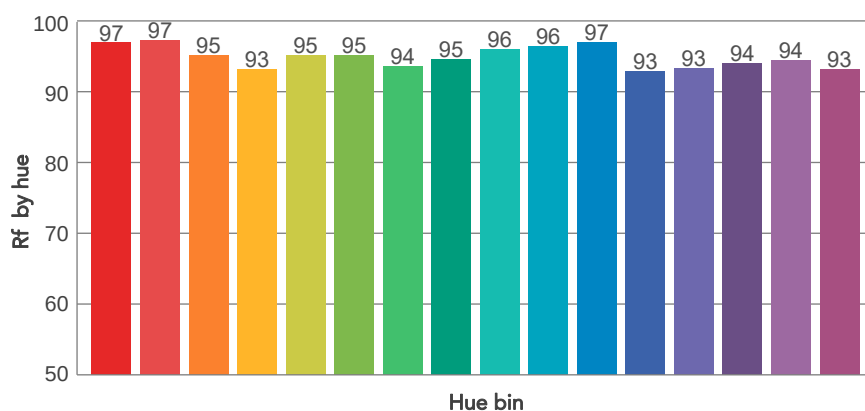
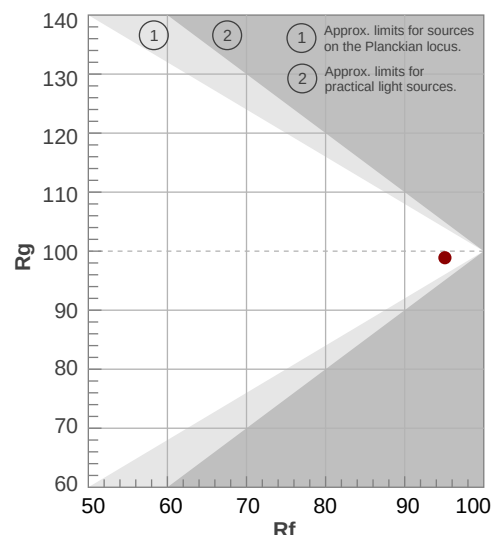
Rf 95,1

Fidelity index Rf

Rg 98,9

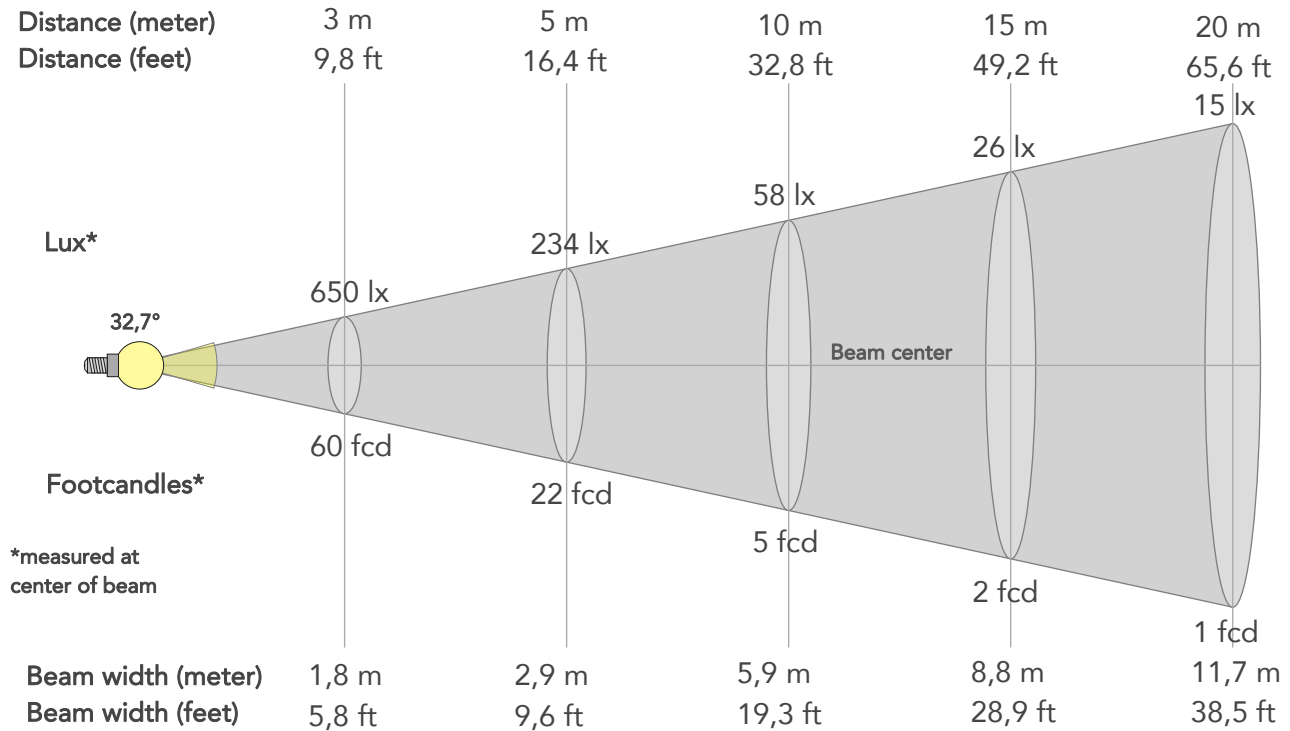
Gammut index

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



BEAM DETAILS

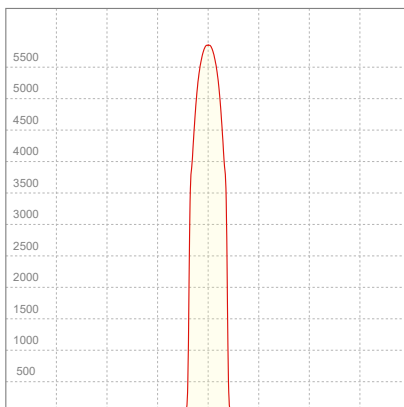
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
32,7°	36°	39°	99,8%	99,7%



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	5849lx	1462lx	650lx	366lx	234lx	104lx	58lx	26lx	15lx	9lx	6lx	4lx	2lx
Footcand.	543fcd	136fcd	60fcd	34fcd	22fcd	10fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,3m	2,9m	4,4m	5,9m	8,8m	11,7m	14,7m	17,6m	23,5m	29,4m
Beam wid.	1,9ft	3,9ft	5,8ft	7,7ft	9,6ft	14,4ft	19,3ft	28,9ft	38,5ft	48,1ft	57,8ft	77ft	96,3ft

LINEAR DISTRIBUTION DIAGRAM

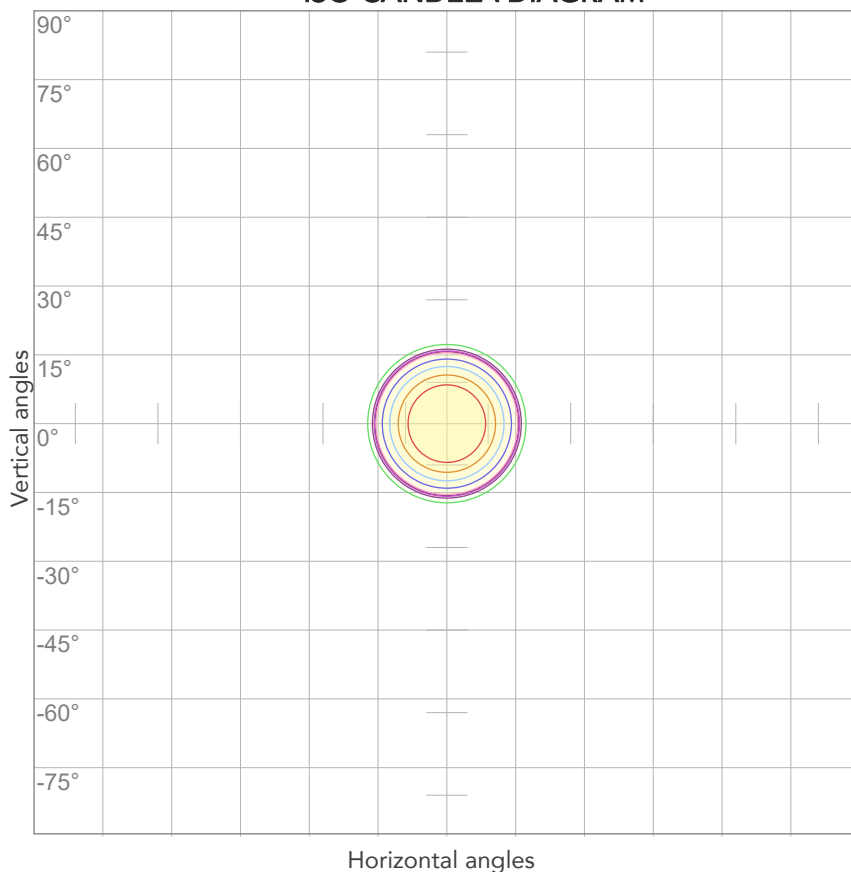


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,157A	33,9W	0,95	39lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



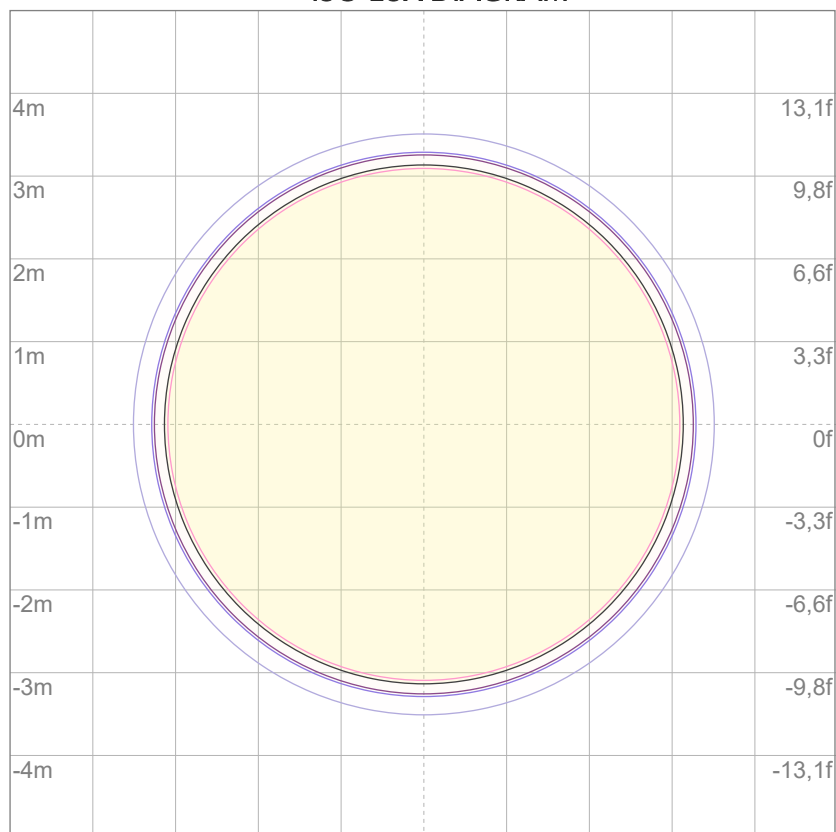
10%	585 cd
20%	1170 cd
30%	1755 cd
40%	2340 cd
50%	2924 cd
60%	3509 cd
70%	4094 cd
80%	4679 cd

Conditions:

Number of c-planes: 2

Candela at center: 5849 cd

ISO LUX DIAGRAM



3%	1,75 lx
5%	2,92 lx
10%	5,85 lx
30%	17,5 lx
50%	29,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 58,5 lx

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



Total lumen output:

1263 lm

Peak candela output:

2434 cd

Light quality:

CRI: 97,4

Color temperature:

2728 K

PRODUCT NAME:

ECLDISPLAYCRMX27K

MEASURAMENT CONDITIONS:

Beam angle:

Profile 50°

Target:

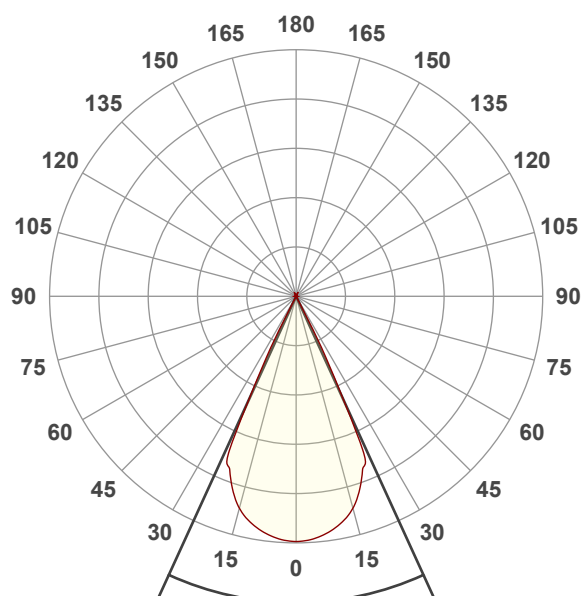
Full On

Operator:

Giacomo Matteo

Date and time:

18/06/2024 09:31:25

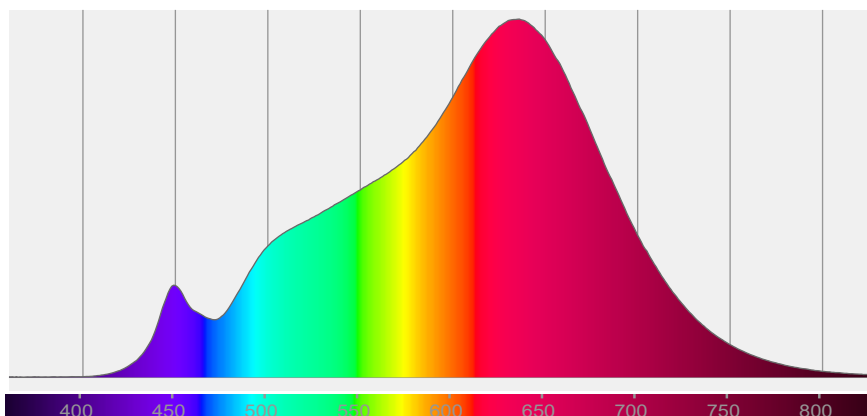


Beam angle 50%: 49,1°

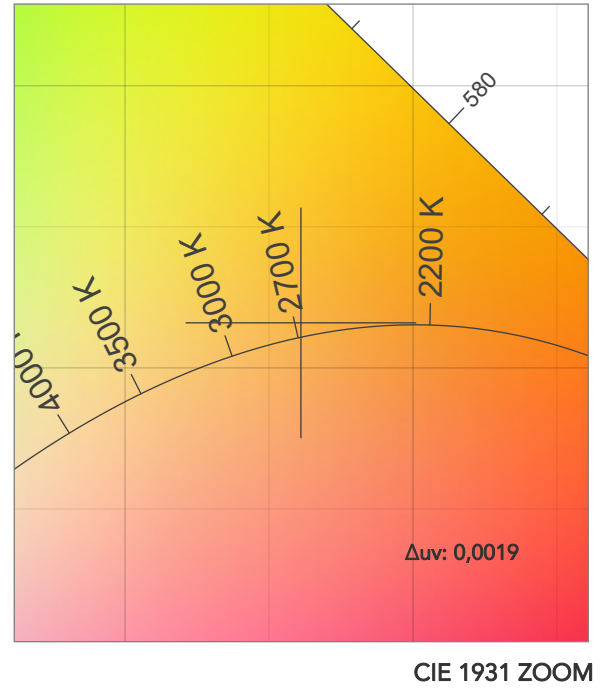
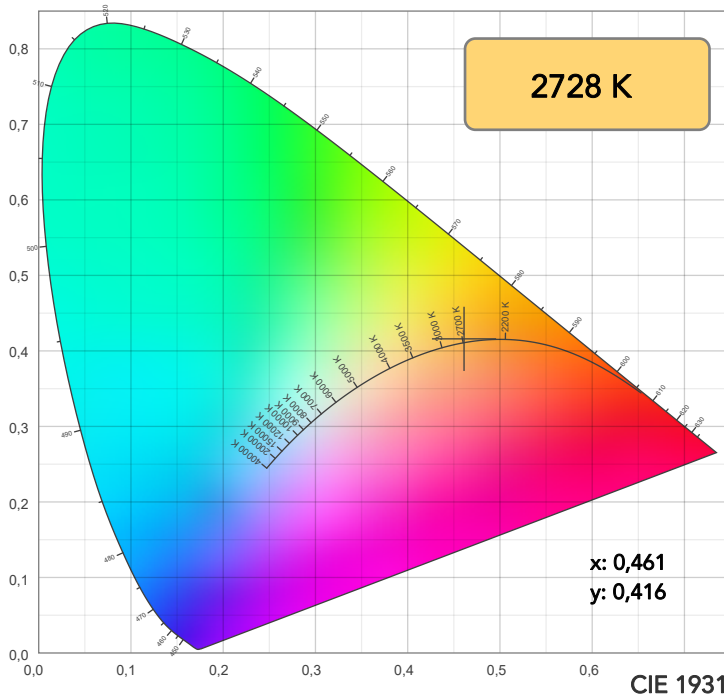
Field angle 10%: 55,1°

Cut off angle 2.5%: 56,5°

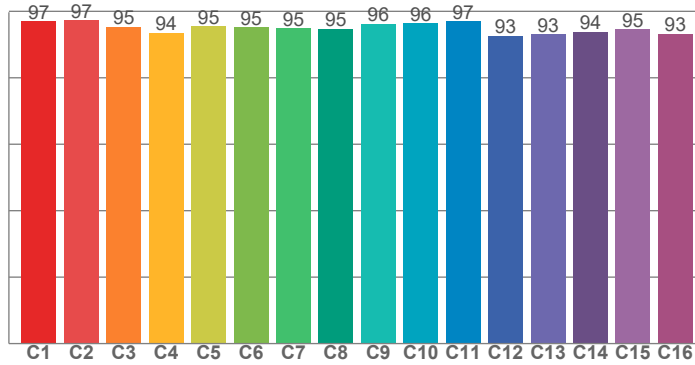
Spectra



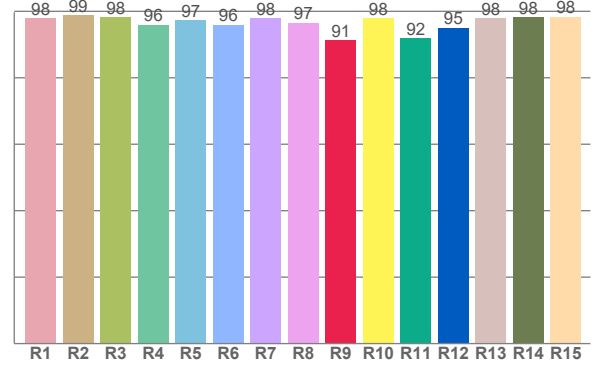
COLOR DETAILS



TM30: 95,2



CRI: 97,4 (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
97,9	98,9	98,2	96,0	97,4	96,0	98,0	96,6	91,2	97,8	92,0	95,0	97,9	98,2	98,4

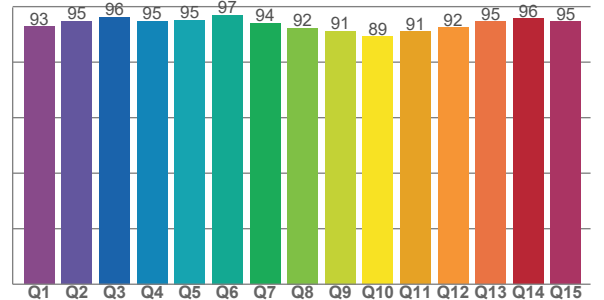
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,9	97,3	95,4	93,5	95,4	95,1	94,8	94,7	96,2	96,4	97,0	92,6	93,1	93,8	94,6	93,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,9	94,7	96,2	94,8	95,2	96,9	94,0	92,3	91,2	89,2	91,0	92,4	94,7	95,7	94,7

CQS: 93,2



COLOR PARAMETERS

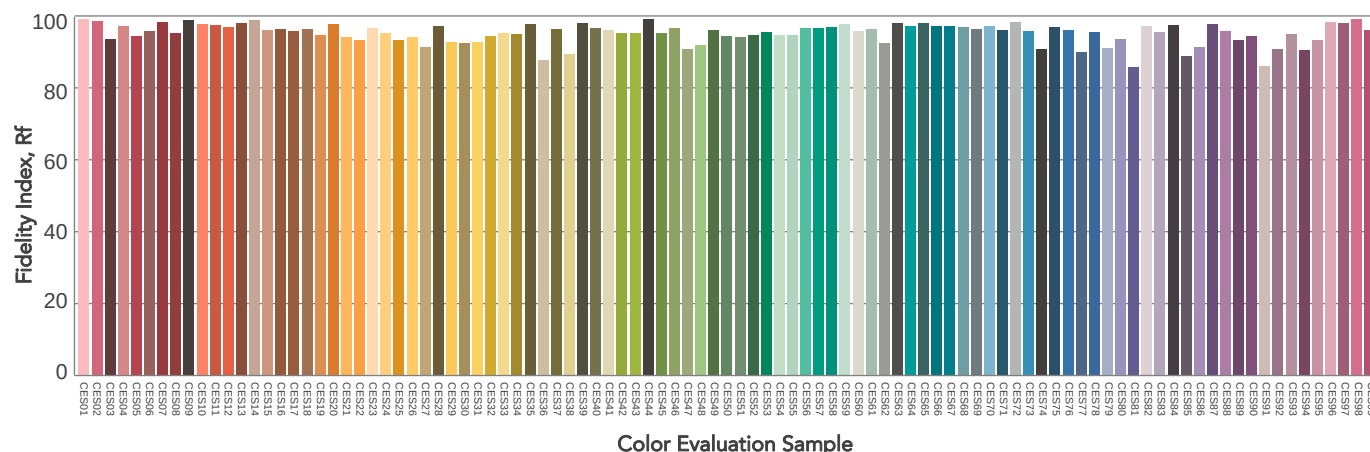
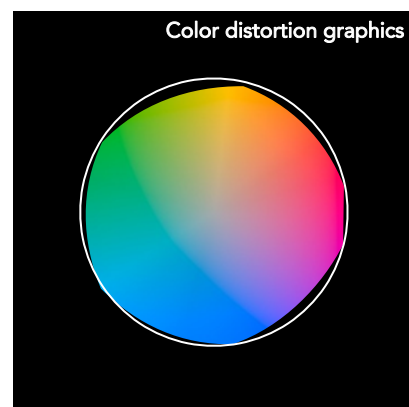
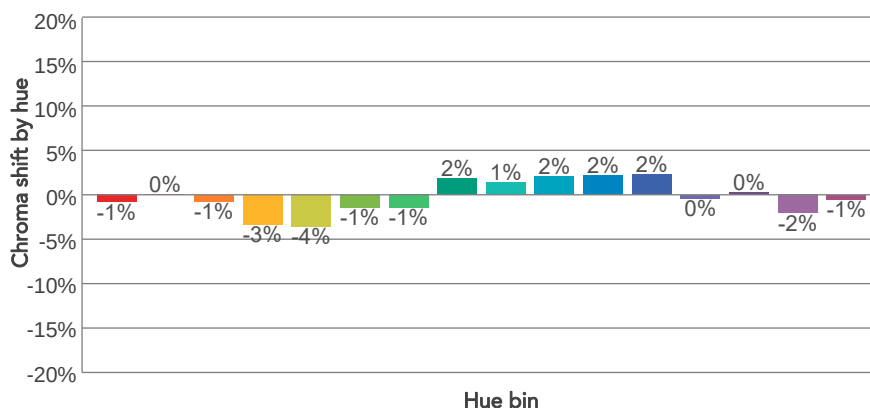
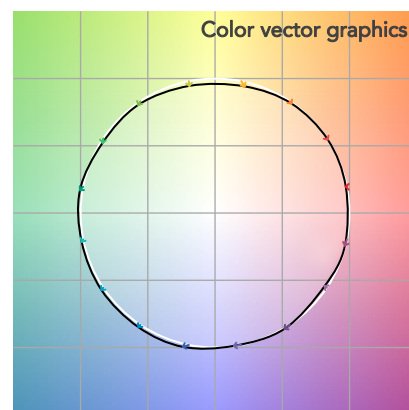
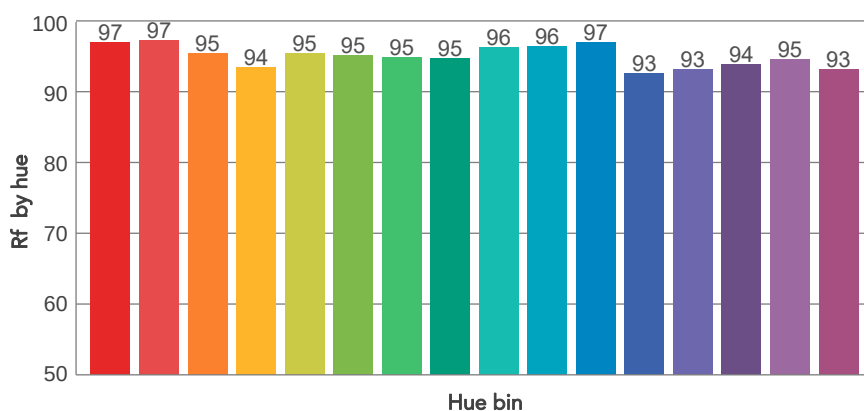
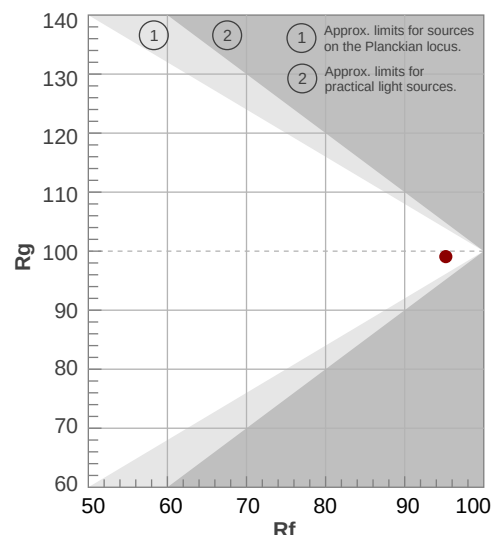
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2728 K	97,4	91,2	95,2	99,1	93,2	97	0,461	0,416	0,0019

TM30 DETAILS

Rf 95,2
Fidelity index Rf

Rg 99,1
Gammut index

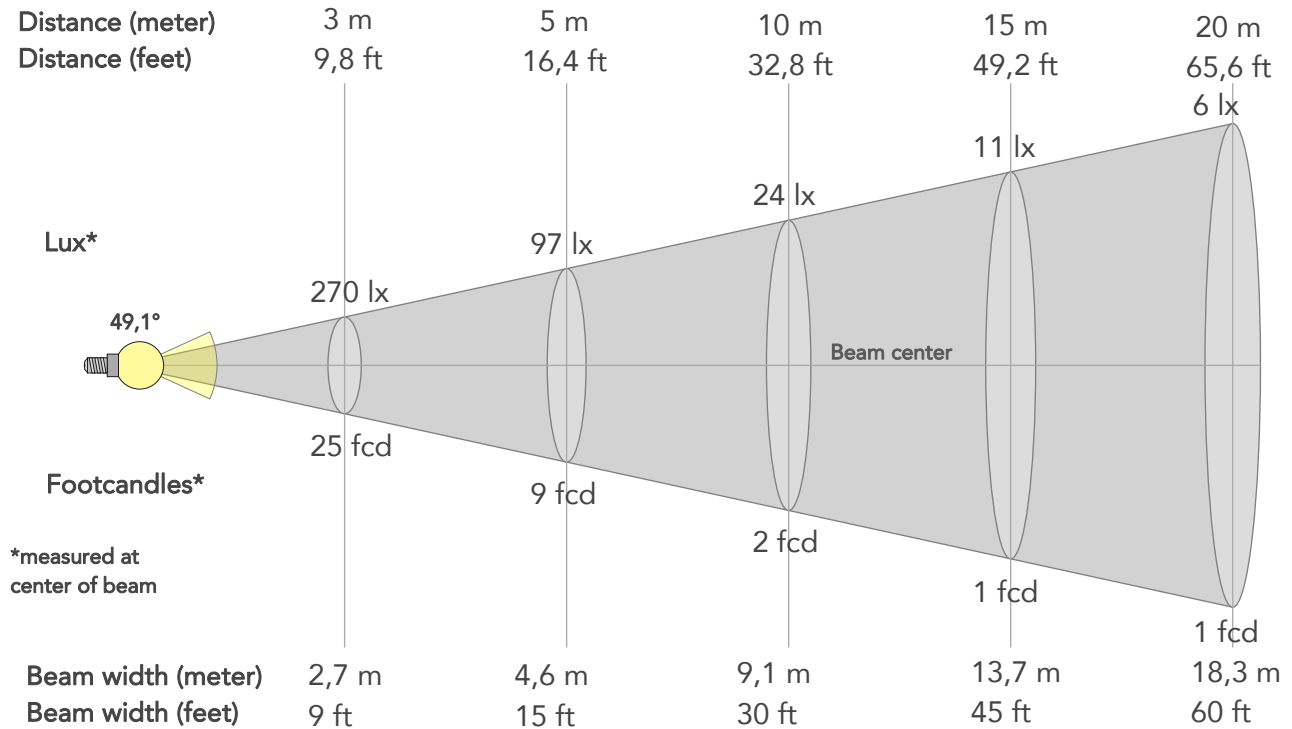
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	-1%	0%
2	97	0%	-1%
3	95	-1%	-2%
4	94	-3%	-3%
5	95	-4%	0%
6	95	-1%	3%
7	95	-1%	3%
8	95	2%	3%
9	96	1%	2%
10	96	2%	1%
11	97	2%	0%
12	93	2%	-4%
13	93	0%	-6%
14	94	0%	-5%
15	95	-2%	0%
16	93	-1%	-5%



BEAM DETAILS



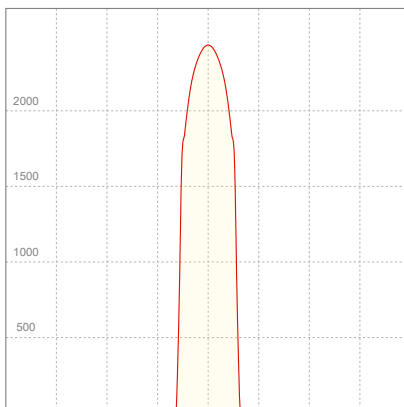
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
49,1°	55,1°	56,5°	99,6%	99,5%



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	2434lx	608lx	270lx	152lx	97lx	43lx	24lx	11lx	6lx	4lx	3lx	2lx	1lx
Footcand.	226fcd	57fcd	25fcd	14fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,8m	2,7m	3,7m	4,6m	6,9m	9,1m	13,7m	18,3m	22,8m	27,4m	36,6m	45,7m
Beam wid.	3ft	6ft	9ft	12ft	15ft	22,5ft	30ft	45ft	60ft	74,9ft	89,9ft	119,9ft	149,9ft

LINEAR DISTRIBUTION DIAGRAM

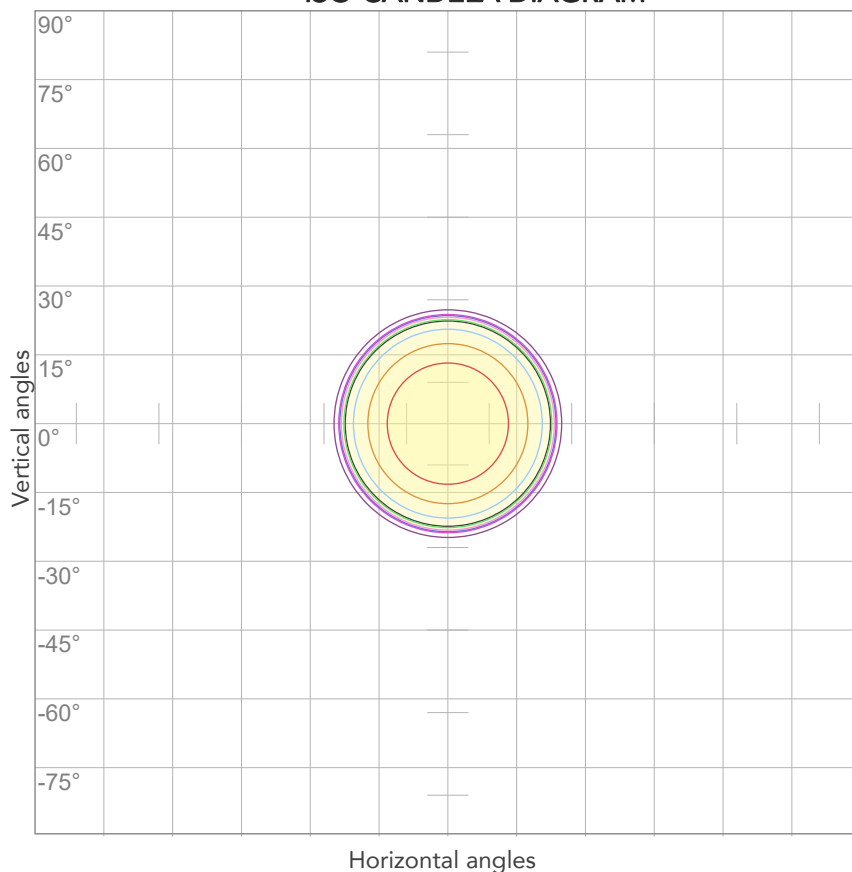


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,157A	33,9W	0,95	37lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



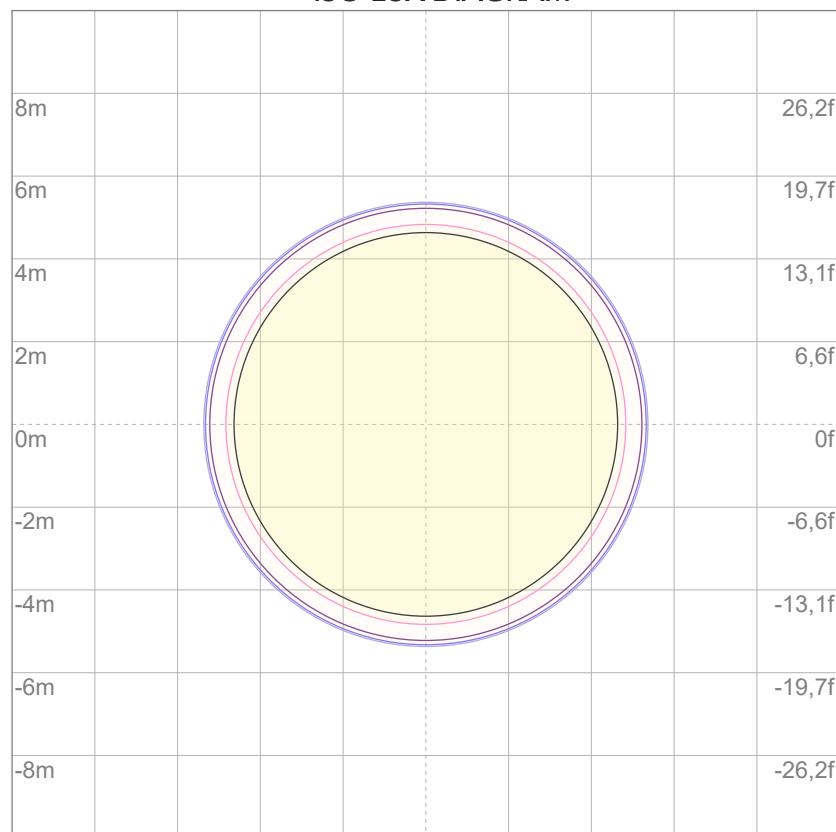
10%	243 cd
20%	487 cd
30%	730 cd
40%	973 cd
50%	1217 cd
60%	1460 cd
70%	1704 cd
80%	1947 cd

Conditions:

Number of c-planes: 2

Candela at center: 2434 cd

ISO LUX DIAGRAM



3%	0,730 lx
5%	1,22 lx
10%	2,43 lx
30%	7,30 lx
50%	12,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 24,3 lx

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



Total lumen output:

1301 lm

Peak candela output:

4856 cd

Light quality:

CRI: 97,6

Color temperature:

2808 K

PRODUCT NAME:
ECLDISPLAYCRMX27K

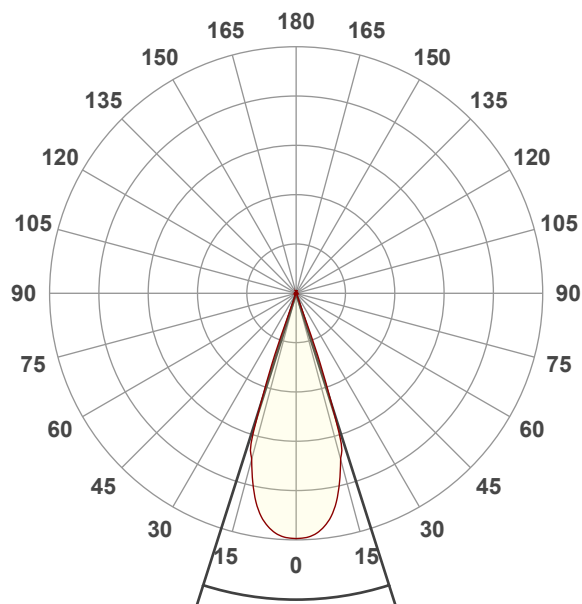
MEASURAMENT CONDITIONS:

Beam angle:
Profile 2040 Max Zoom

Target:
Full On

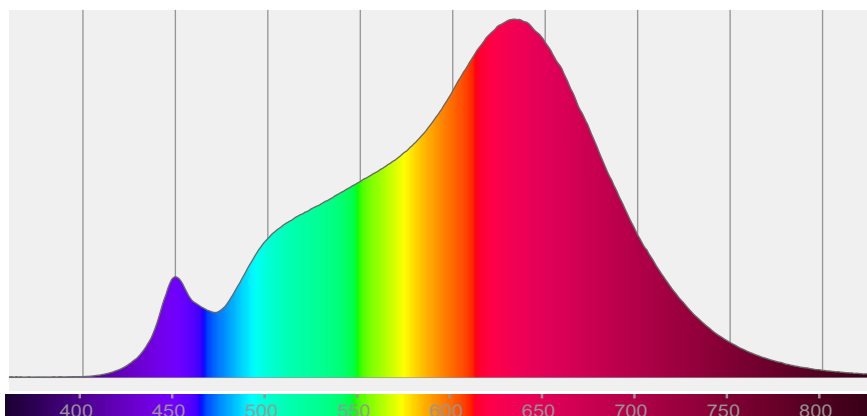
Operator:
Giacomo Matteo

Date and time:
18/06/2024 09:45:42

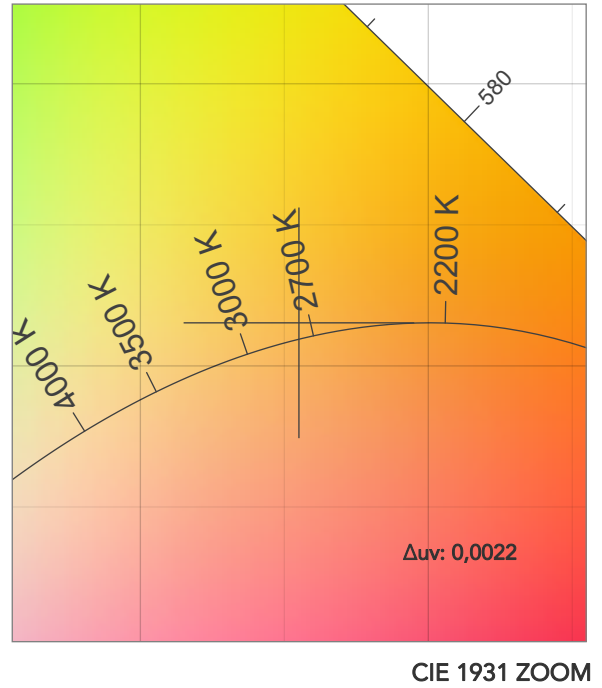
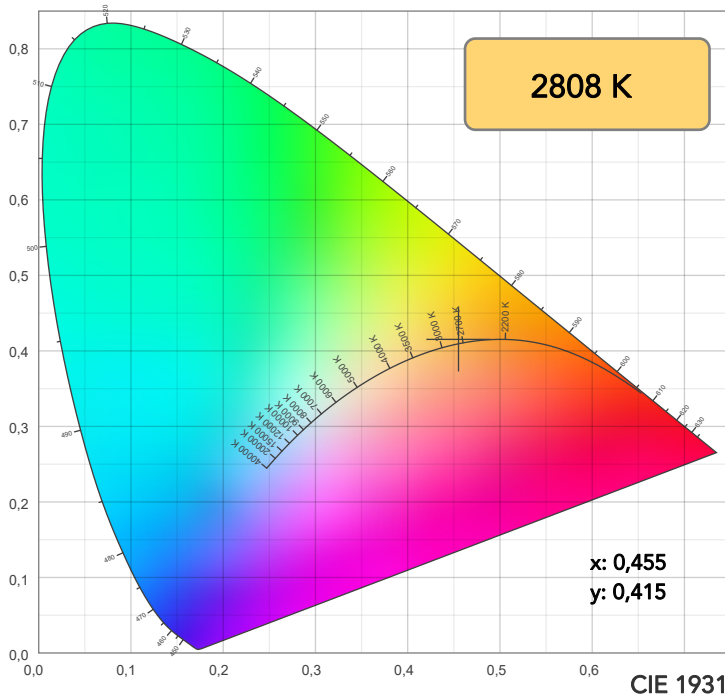


Beam angle 50%: 35,3°
Field angle 10%: 40,7°
Cut off angle 2.5%: 41,7°

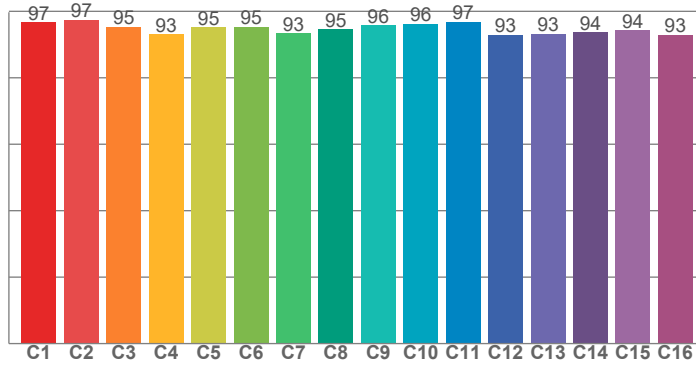
Spectra



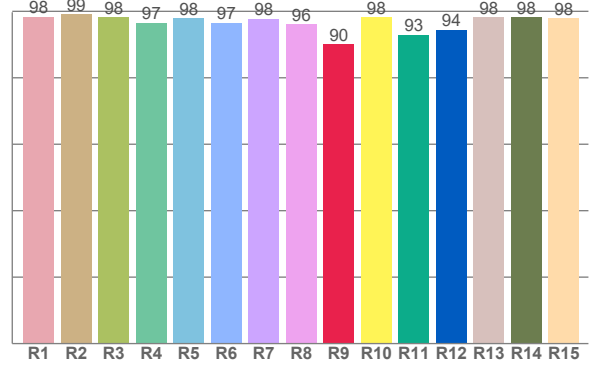
COLOR DETAILS



TM30: 95,0



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
98,4	99,1	98,3	96,6	98,0	96,6	97,8	96,1	90,2	98,3	93,0	94,5	98,3	98,2	97,9

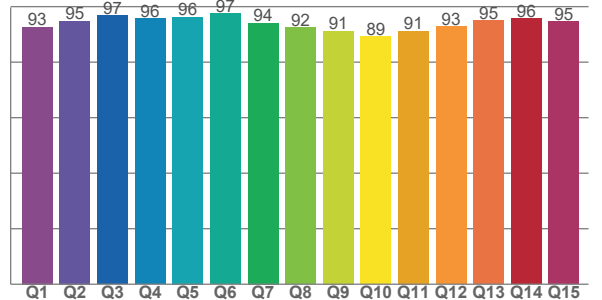
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,6	97,4	95,4	93,1	95,1	95,3	93,4	94,6	95,8	96,3	96,8	93,0	93,2	93,7	94,3	92,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,7	94,8	96,8	95,7	96,3	97,5	94,2	92,4	91,2	89,2	91,3	92,7	95,0	95,7	94,7

CQS: 93,4



COLOR PARAMETERS

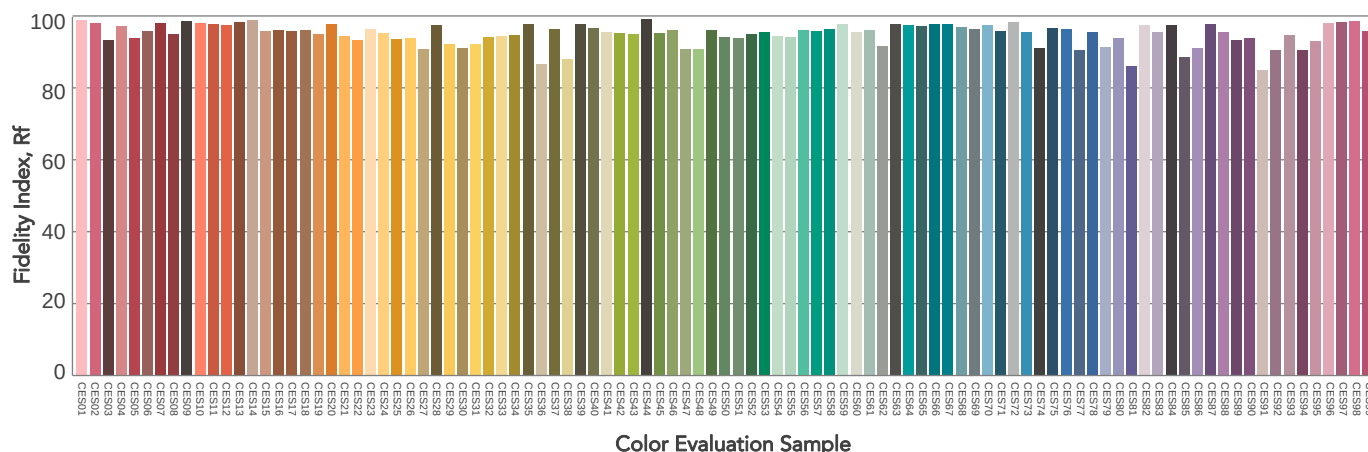
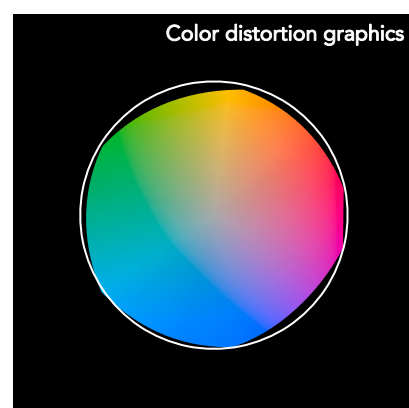
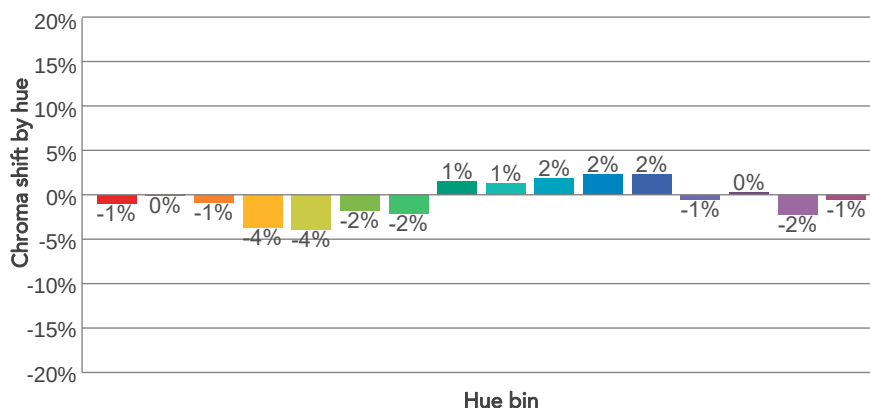
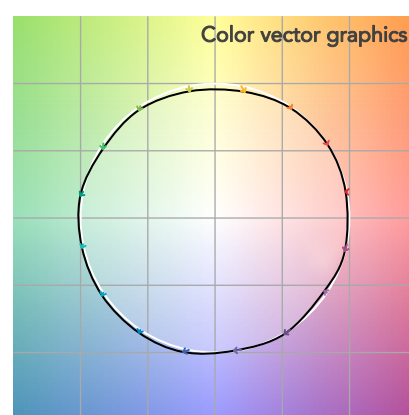
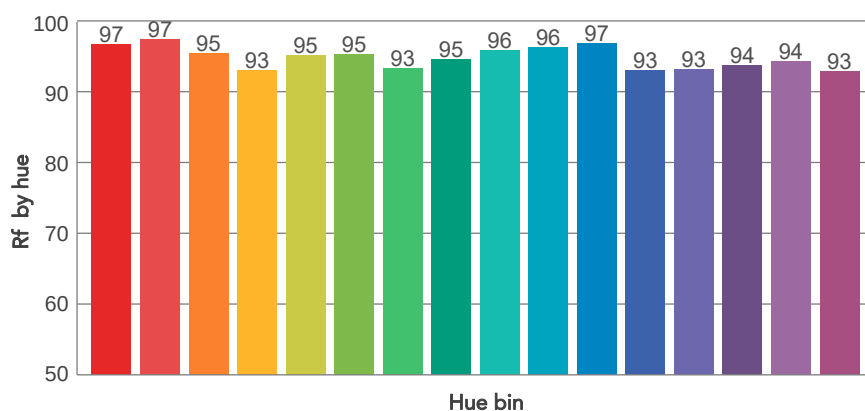
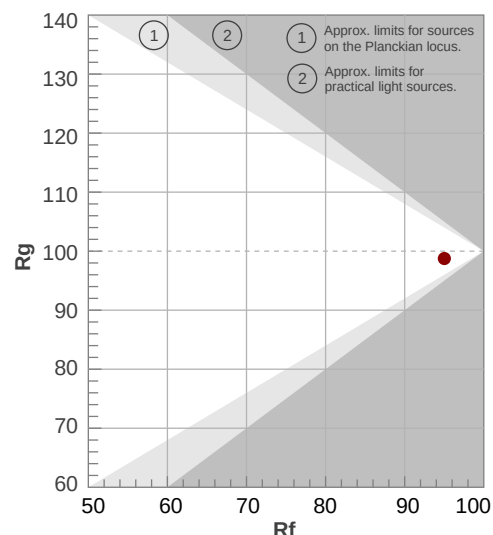
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2808 K	97,6	90,2	95,0	98,8	93,4	97	0,455	0,415	0,0022

TM30 DETAILS

Rf 95,0
Fidelity index Rf

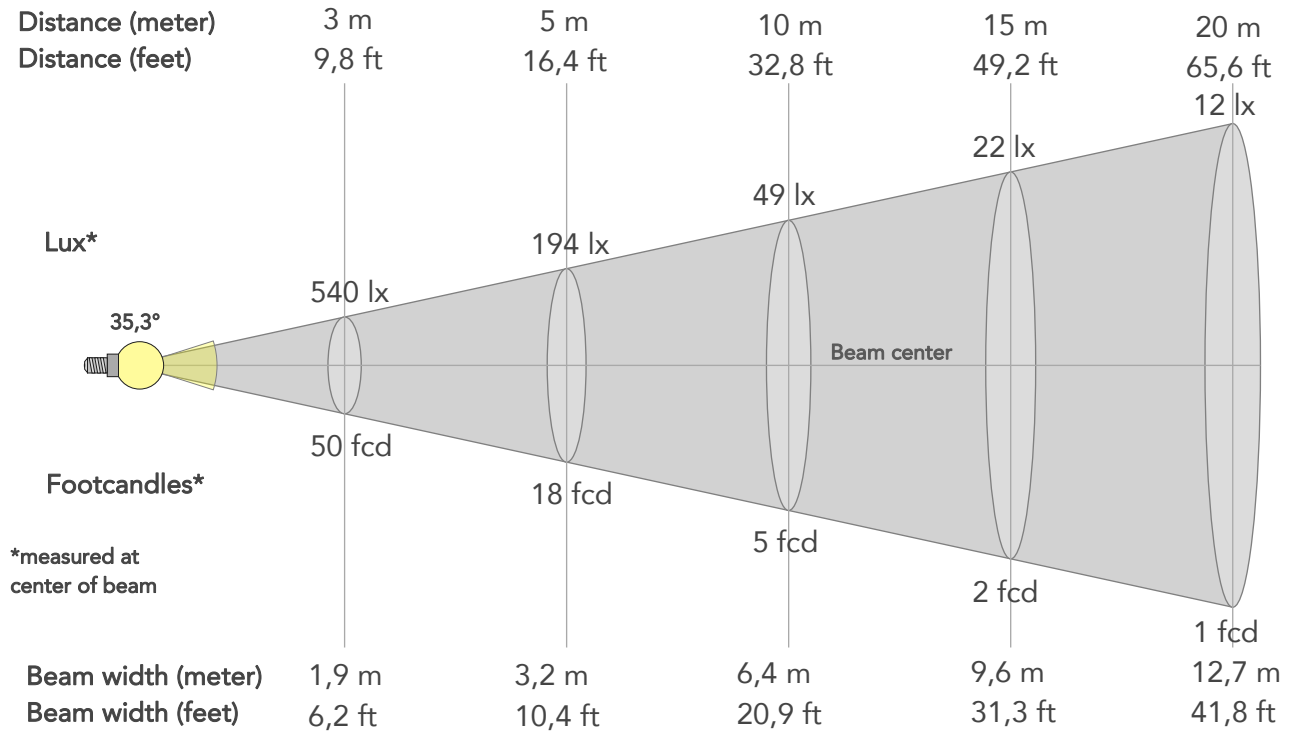
Rg 98,8
Gammut index

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



BEAM DETAILS

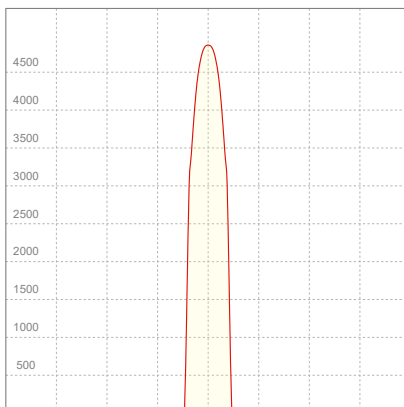
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35,3°	40,7°	41,7°	99,8%	99,7%



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	4856lx	1214lx	540lx	303lx	194lx	86lx	49lx	22lx	12lx	8lx	5lx	3lx	2lx
Footcand.	451fcd	113fcd	50fcd	28fcd	18fcd	8fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,6m	1,3m	1,9m	2,5m	3,2m	4,8m	6,4m	9,6m	12,7m	15,9m	19,1m	25,5m	31,8m
Beam wid.	2,1ft	4,2ft	6,2ft	8,3ft	10,4ft	15,7ft	20,9ft	31,3ft	41,8ft	52,2ft	62,7ft	83,5ft	104,4ft

LINEAR DISTRIBUTION DIAGRAM

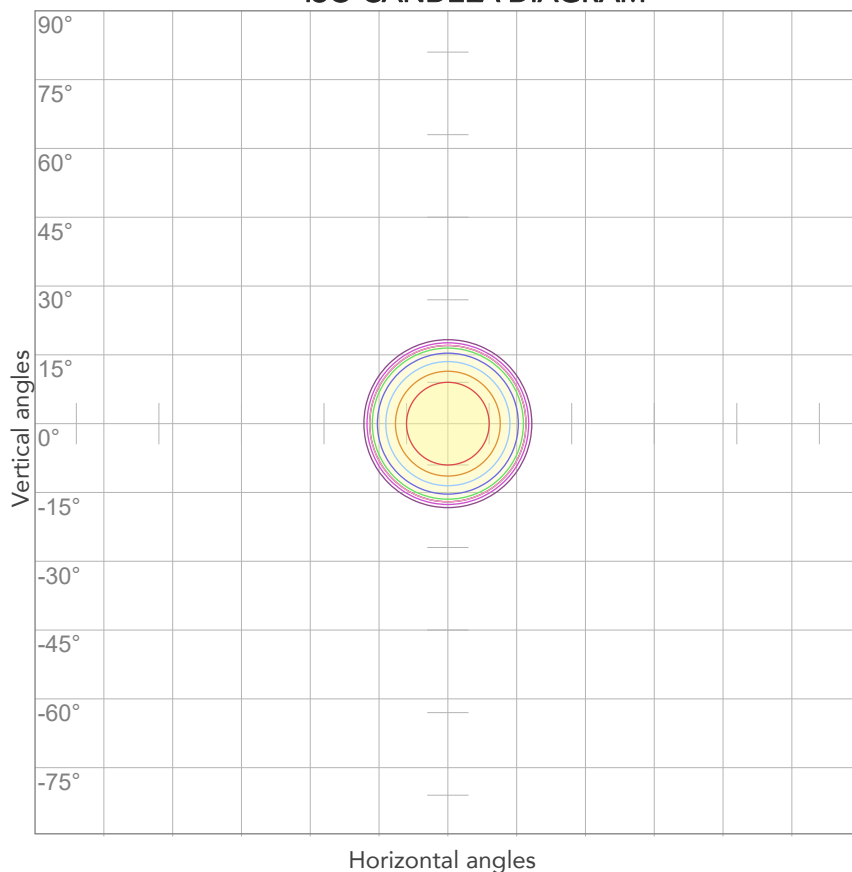


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,156A	33,6W	0,95	39lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



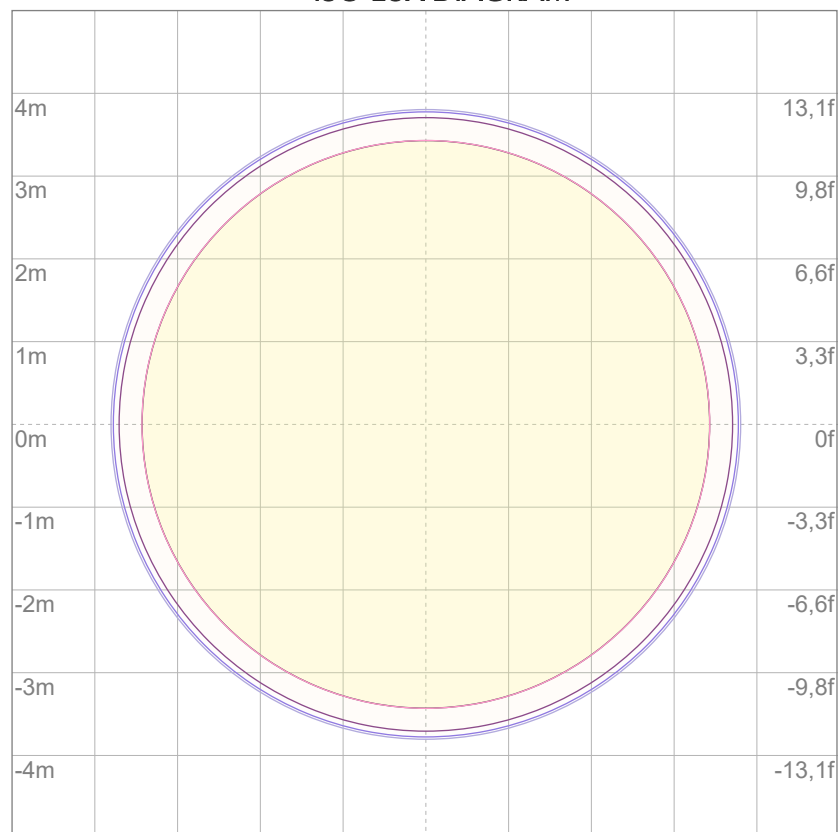
10%	486 cd
20%	971 cd
30%	1457 cd
40%	1942 cd
50%	2428 cd
60%	2914 cd
70%	3399 cd
80%	3885 cd

Conditions:

Number of c-planes: 2

Candela at center: 4856 cd

ISO LUX DIAGRAM



3%	1,46 lx
5%	2,43 lx
10%	4,86 lx
30%	14,6 lx
50%	24,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 48,6 lx

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



Total lumen output:

1270 lm

Peak candela output:

16933 cd

Light quality:

CRI: 97,6

Color temperature:

2800 K

PRODUCT NAME:
ECLDISPLAYCRMX27K

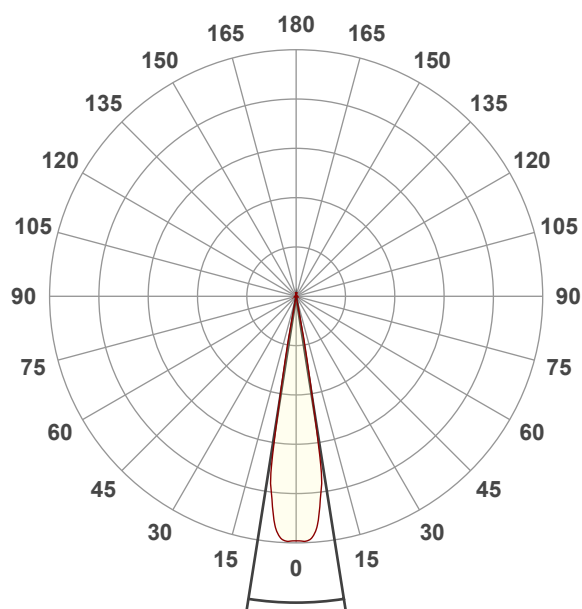
MEASURAMENT CONDITIONS:

Beam angle:
Profile 2040 Min Zoom

Target:
Full On

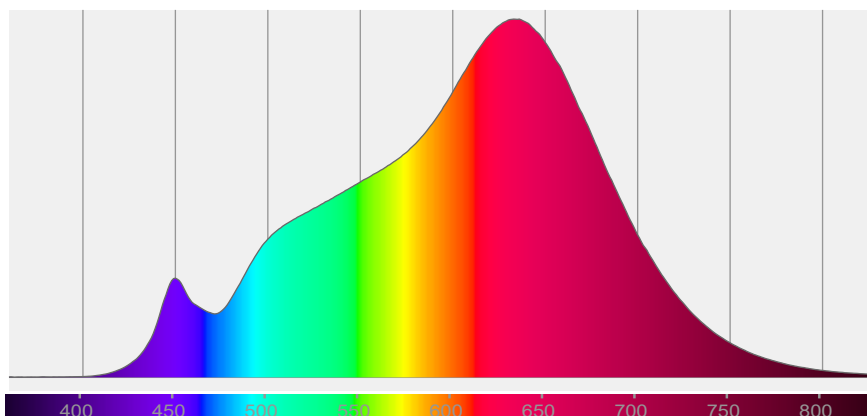
Operator:
Giacomo Matteo

Date and time:
18/06/2024 09:43:13

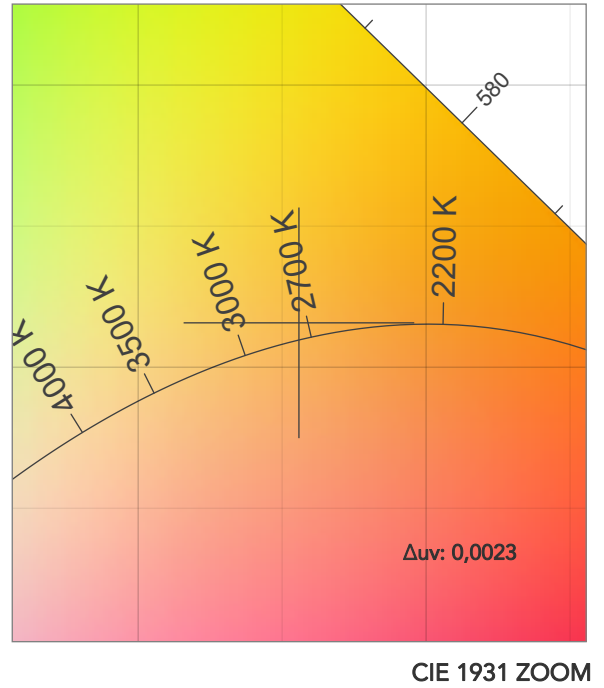
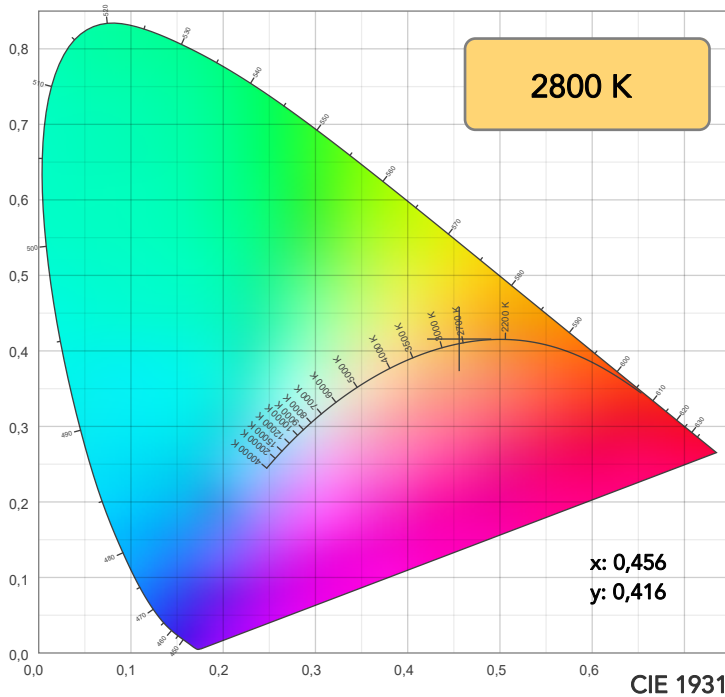


Beam angle 50%: 17,9°
Field angle 10%: 21,5°
Cut off angle 2.5%: 22,3°

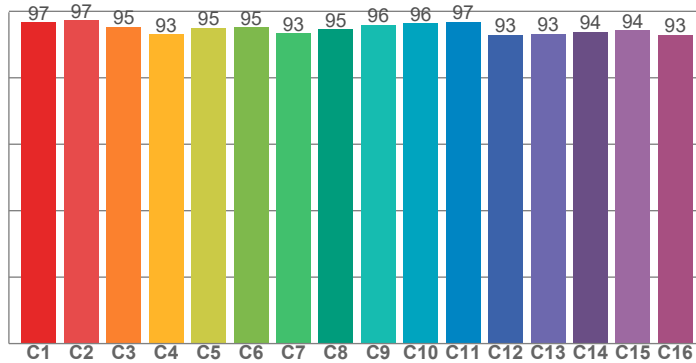
Spectra



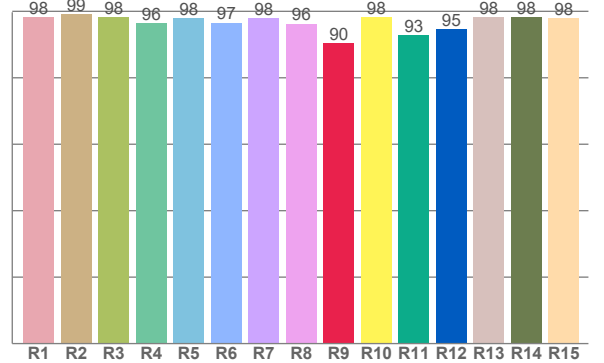
COLOR DETAILS



TM30: 95,0



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	99,1	98,1	96,4	97,9	96,6	97,9	96,3	90,4	98,3	92,8	94,7	98,2	98,2	97,9

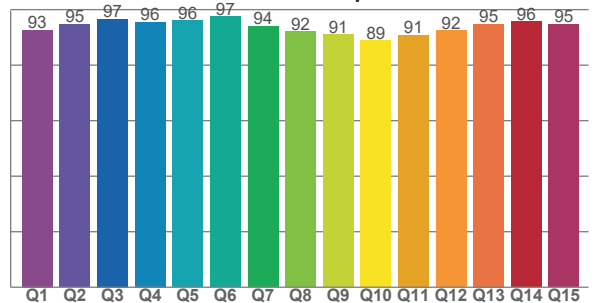
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,7	97,3	95,2	93,0	95,1	95,2	93,3	94,5	95,9	96,3	96,8	93,0	93,2	93,8	94,3	92,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,7	94,7	96,7	95,5	96,1	97,4	94,0	92,2	91,0	88,8	90,9	92,5	94,8	95,7	94,7

CQS: 93,2



COLOR PARAMETERS

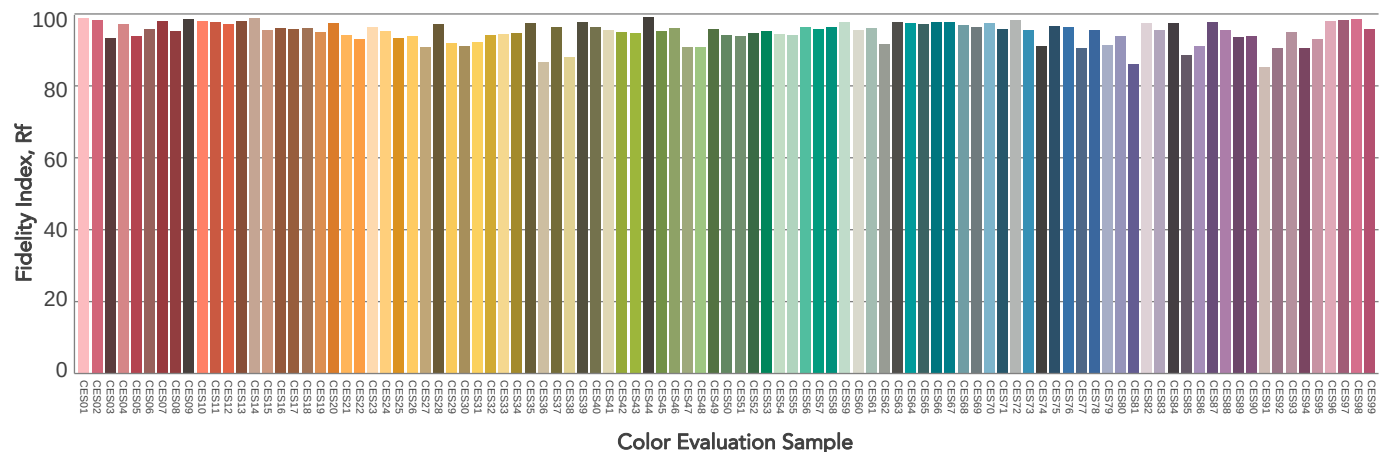
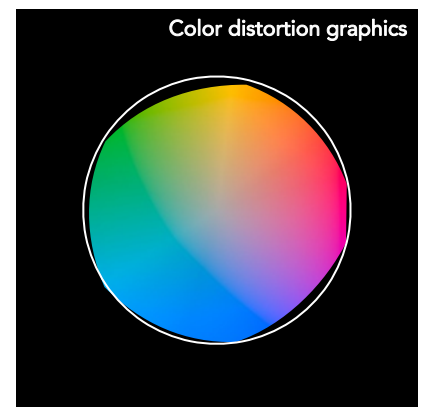
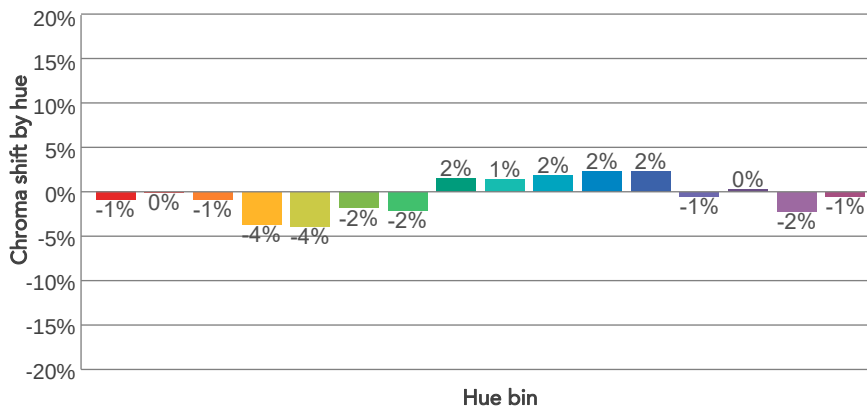
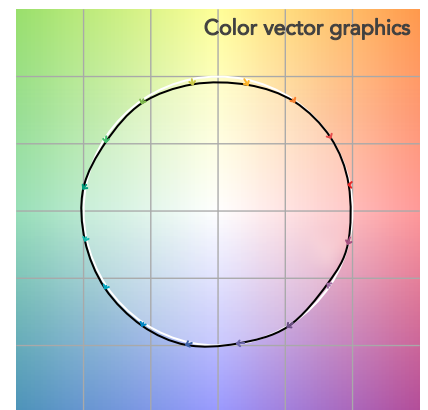
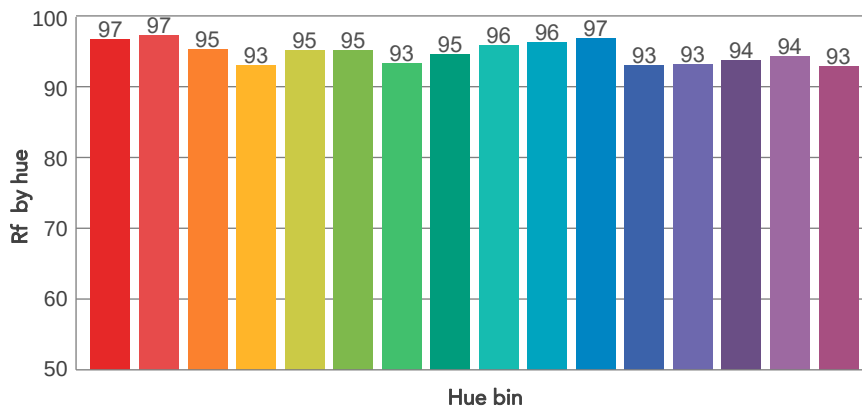
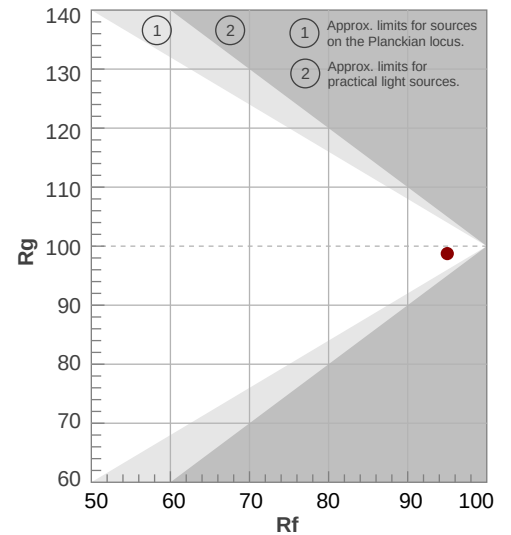
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2800 K	97,6	90,4	95,0	98,7	93,2	97	0,456	0,416	0,0023

TM30 DETAILS

Rf 95,0
Fidelity index Rf

Rg 98,7
Gammut index

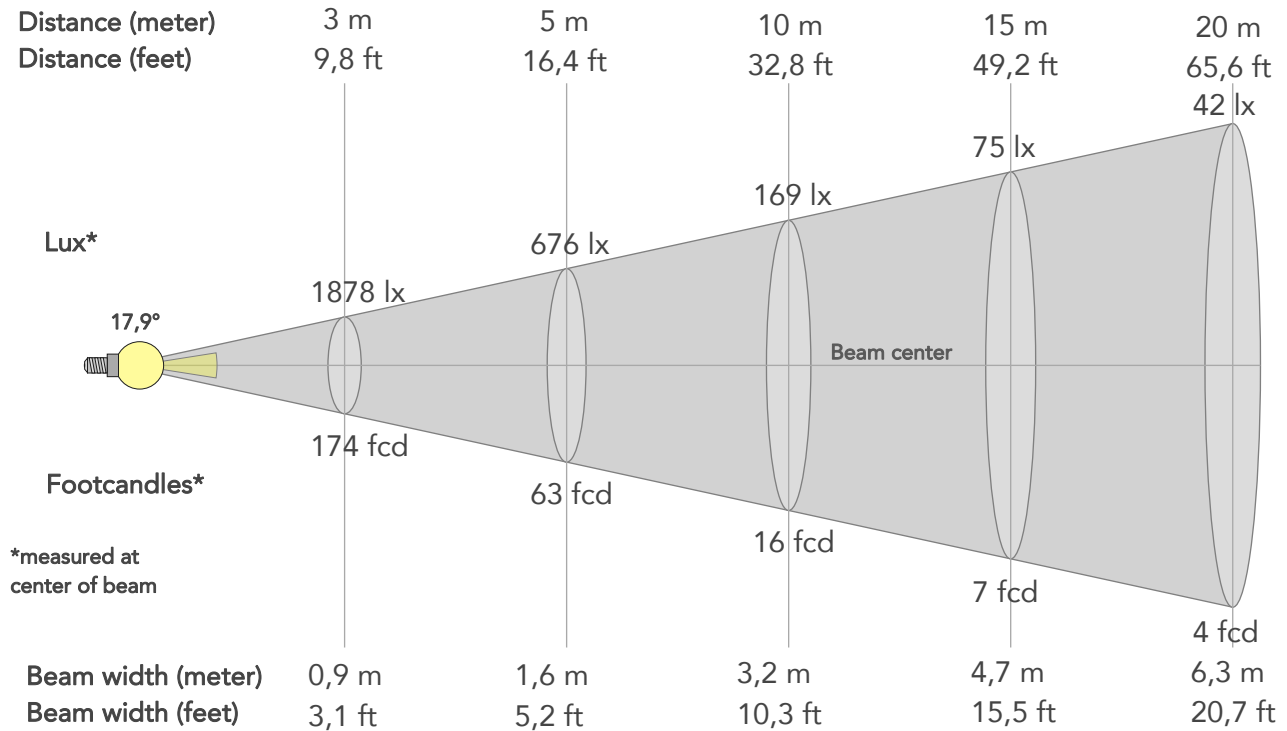
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	-1%	0%
2	97	0%	-1%
3	95	-1%	-2%
4	93	-4%	-3%
5	95	-4%	0%
6	95	-2%	3%
7	93	-2%	4%
8	95	2%	3%
9	96	1%	2%
10	96	2%	1%
11	97	2%	0%
12	93	2%	-4%
13	93	-1%	-5%
14	94	0%	-5%
15	94	-2%	0%
16	93	-1%	-5%



BEAM DETAILS



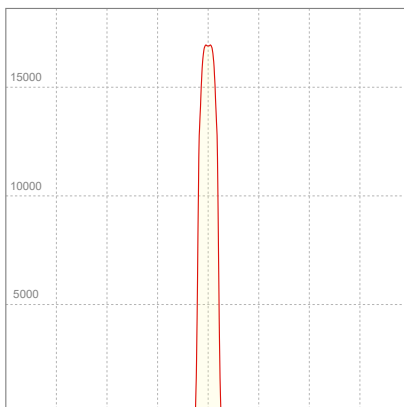
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,9°	21,5°	22,3°	99,7%	99,6%



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	16903lx	4226lx	1878lx	1056lx	676lx	300lx	169lx	75lx	42lx	27lx	19lx	11lx	7lx
Footcand.	1570fcd	393fcd	174fcd	98fcd	63fcd	28fcd	16fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,3m	0,6m	0,9m	1,3m	1,6m	2,4m	3,2m	4,7m	6,3m	7,9m	9,5m	12,6m	15,8m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,2ft	7,8ft	10,3ft	15,5ft	20,7ft	25,9ft	31ft	41,4ft	51,7ft

LINEAR DISTRIBUTION DIAGRAM

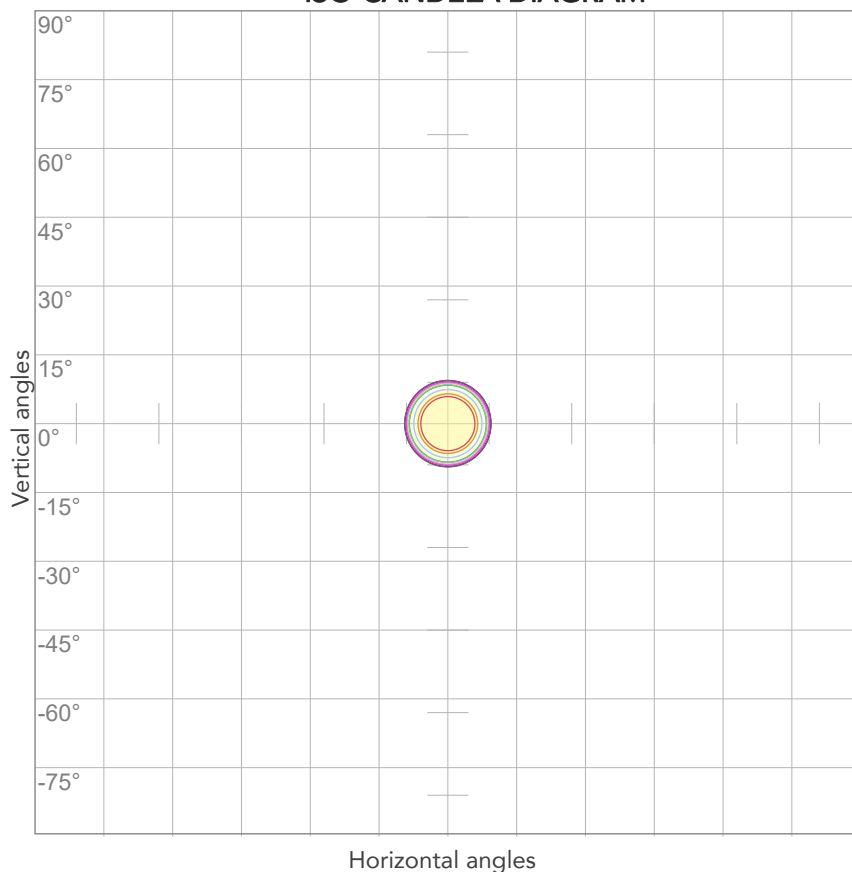


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,157A	33,7W	0,95	38lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



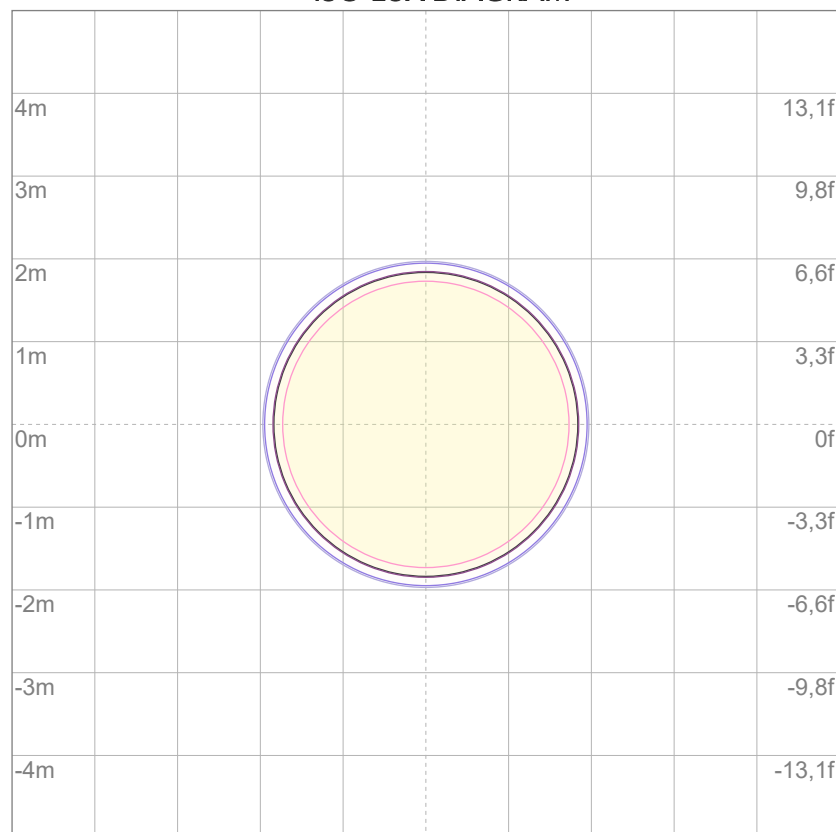
10%	1690 cd
20%	3381 cd
30%	5071 cd
40%	6761 cd
50%	8451 cd
60%	10142 cd
70%	11832 cd
80%	13522 cd

Conditions:

Number of c-planes: 2

Candela at center: 16903 cd

ISO LUX DIAGRAM



3%	5,07 lx
5%	8,45 lx
10%	16,9 lx
30%	50,7 lx
50%	84,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 169 lx

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



Total lumen output:

1243 lm

Peak candela output:

15858 cd

Light quality:

CRI: 97,4

Color temperature:

2782 K

PRODUCT NAME:
ECLDISPLAYCRMX27K

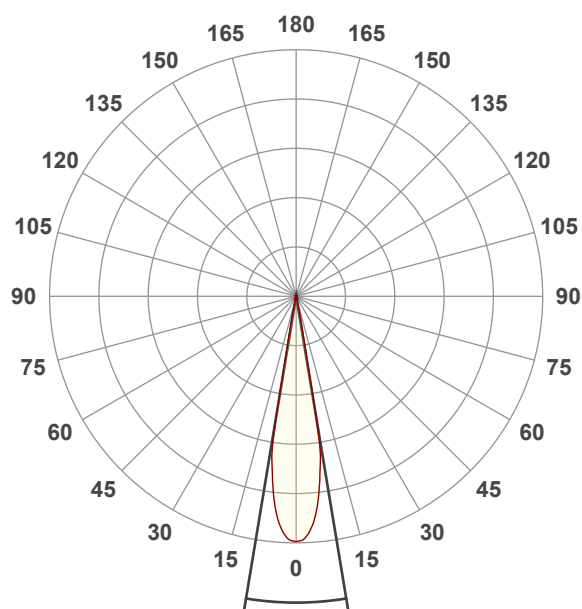
MEASURAMENT CONDITIONS:

Beam angle:
Profile 1020 Max Zoom

Target:
Full On

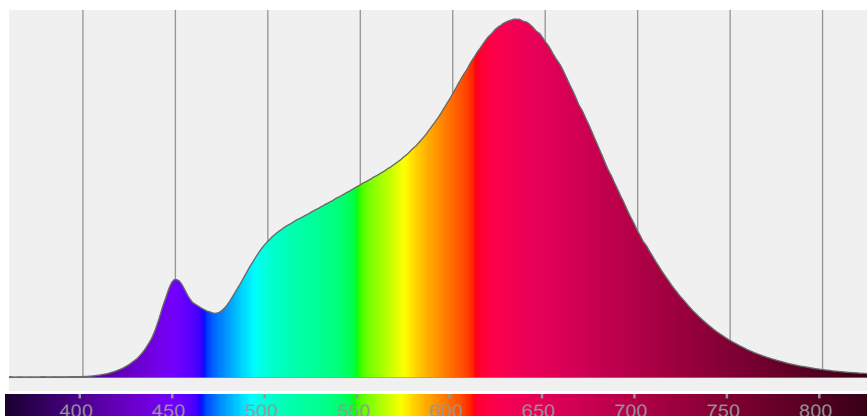
Operator:
Giacomo Matteo

Date and time:
18/06/2024 09:56:21

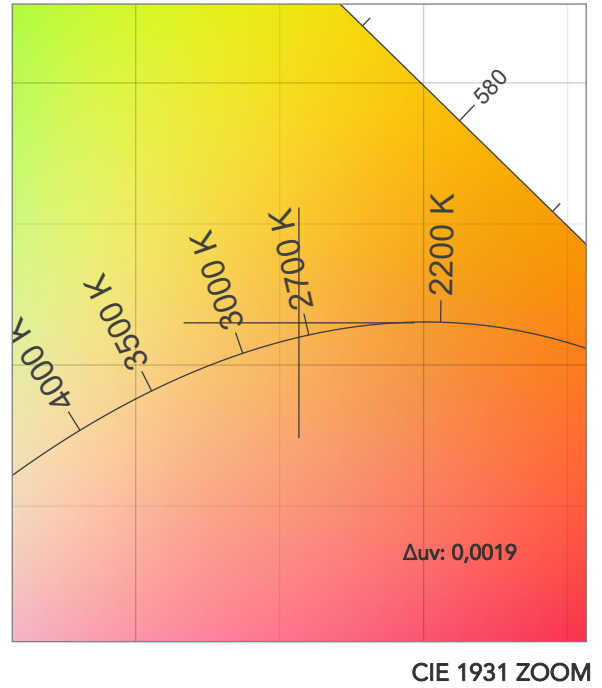
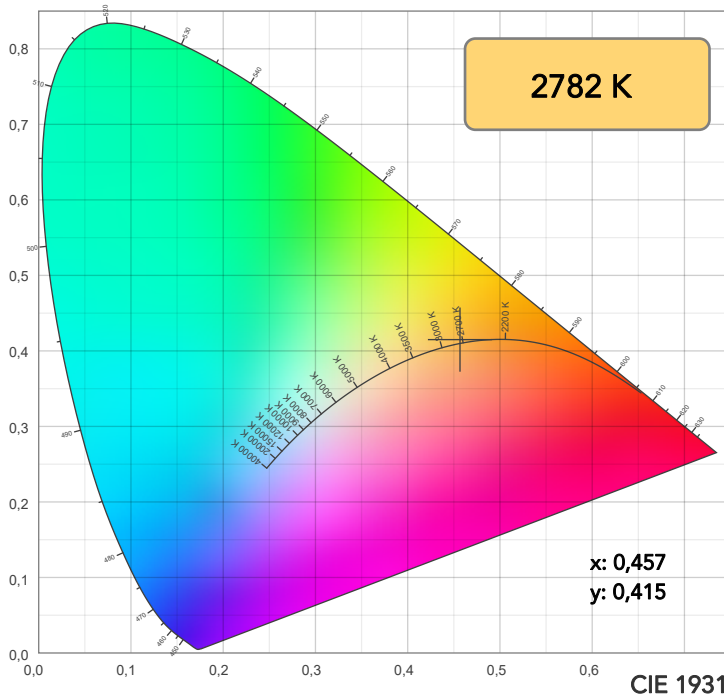


Beam angle 50%: 18,8°
Field angle 10%: 22,1°
Cut off angle 2.5%: 23,9°

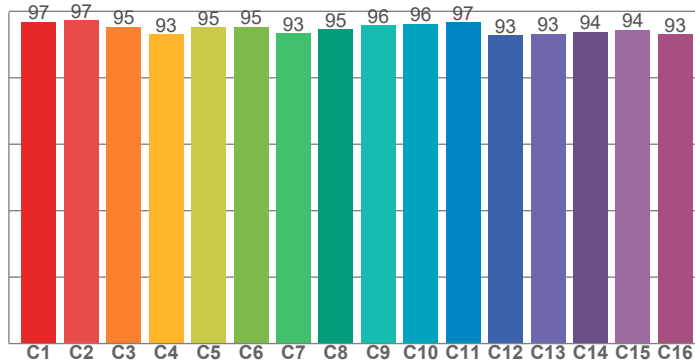
Spectra



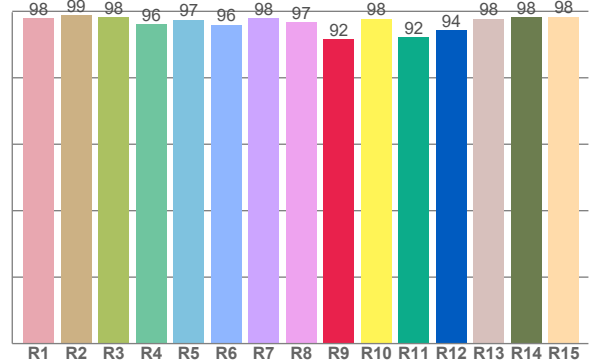
COLOR DETAILS



TM30: 95,0



CRI: 97,4 (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
97,9	98,8	98,3	96,1	97,4	96,0	97,9	96,6	91,6	97,7	92,3	94,4	97,8	98,3	98,4

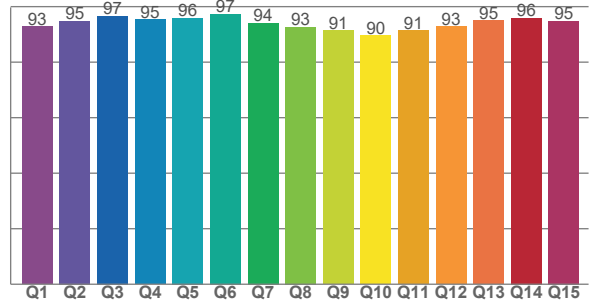
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,8	94,8	96,5	95,3	95,9	97,4	94,2	92,6	91,4	89,5	91,4	92,8	94,9	96,0	94,8

CQS: 93,5



COLOR PARAMETERS

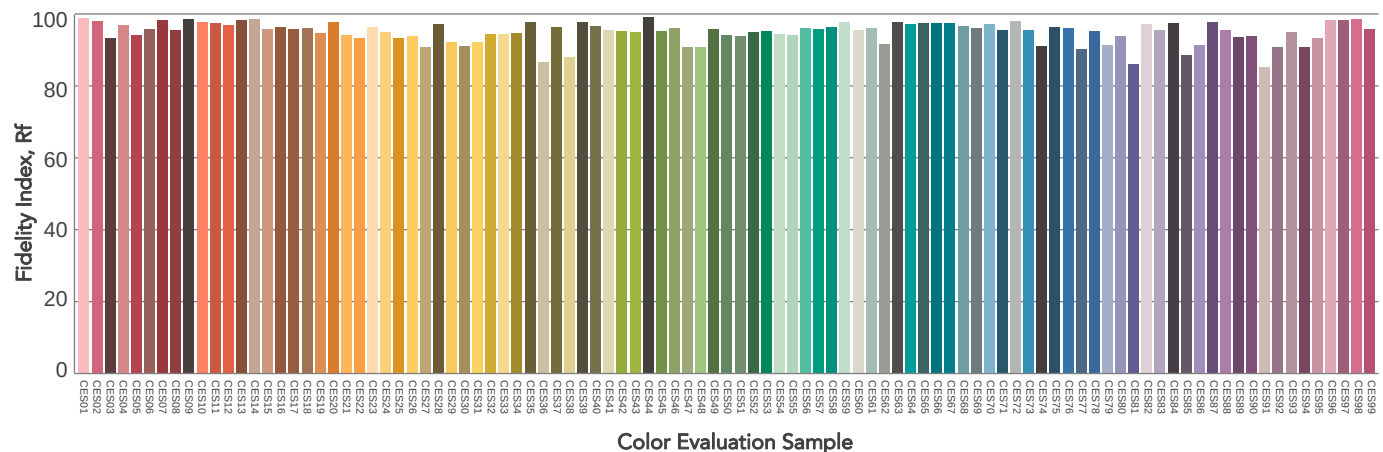
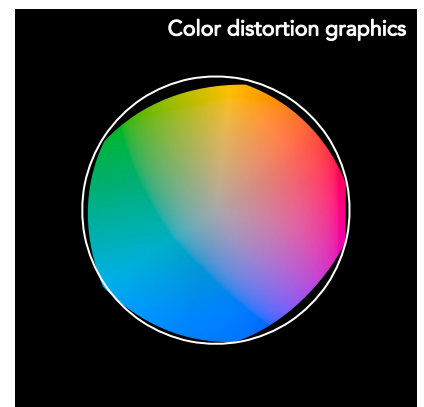
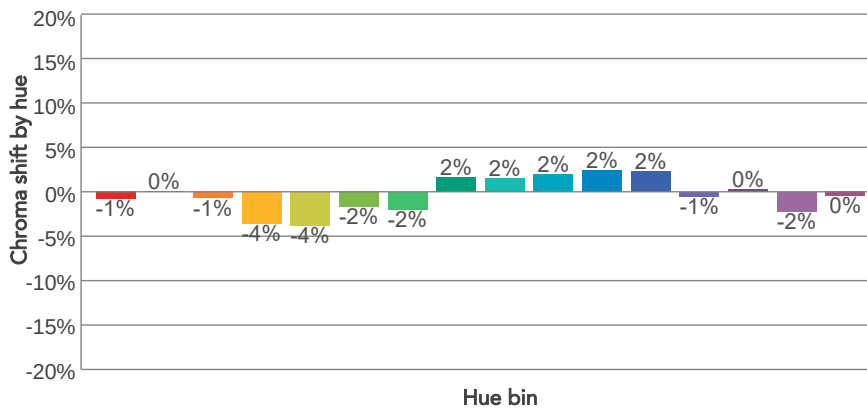
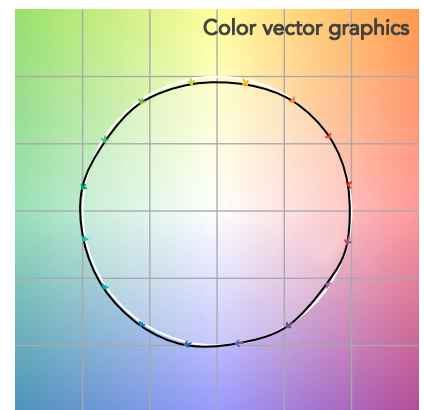
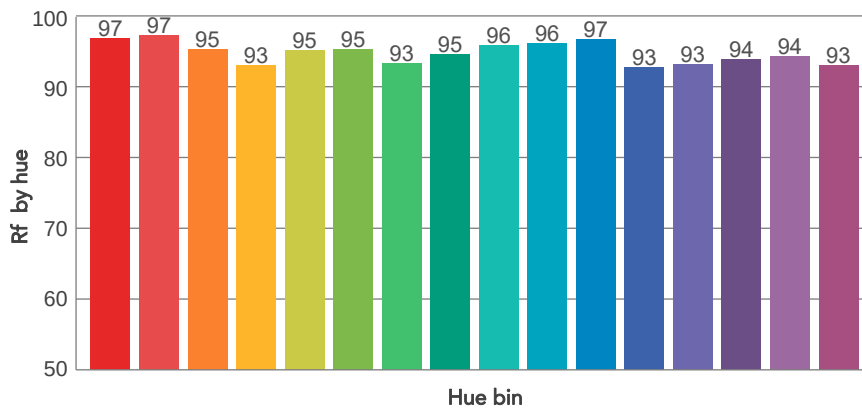
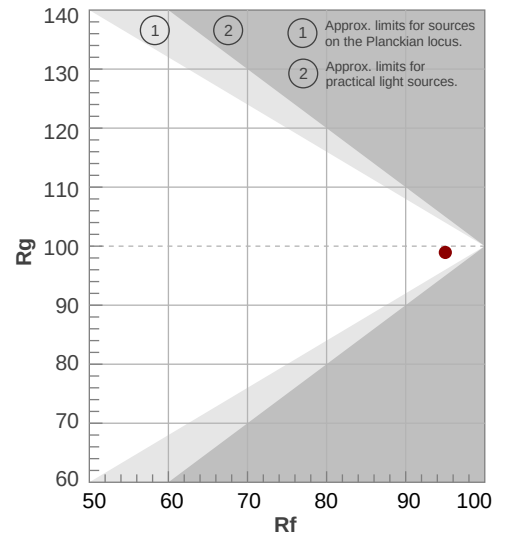
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2782 K	97,4	91,6	95,0	98,9	93,5	97	0,457	0,415	0,0019

TM30 DETAILS

Rf 95,0
Fidelity index Rf

Rg 98,9
Gammut index

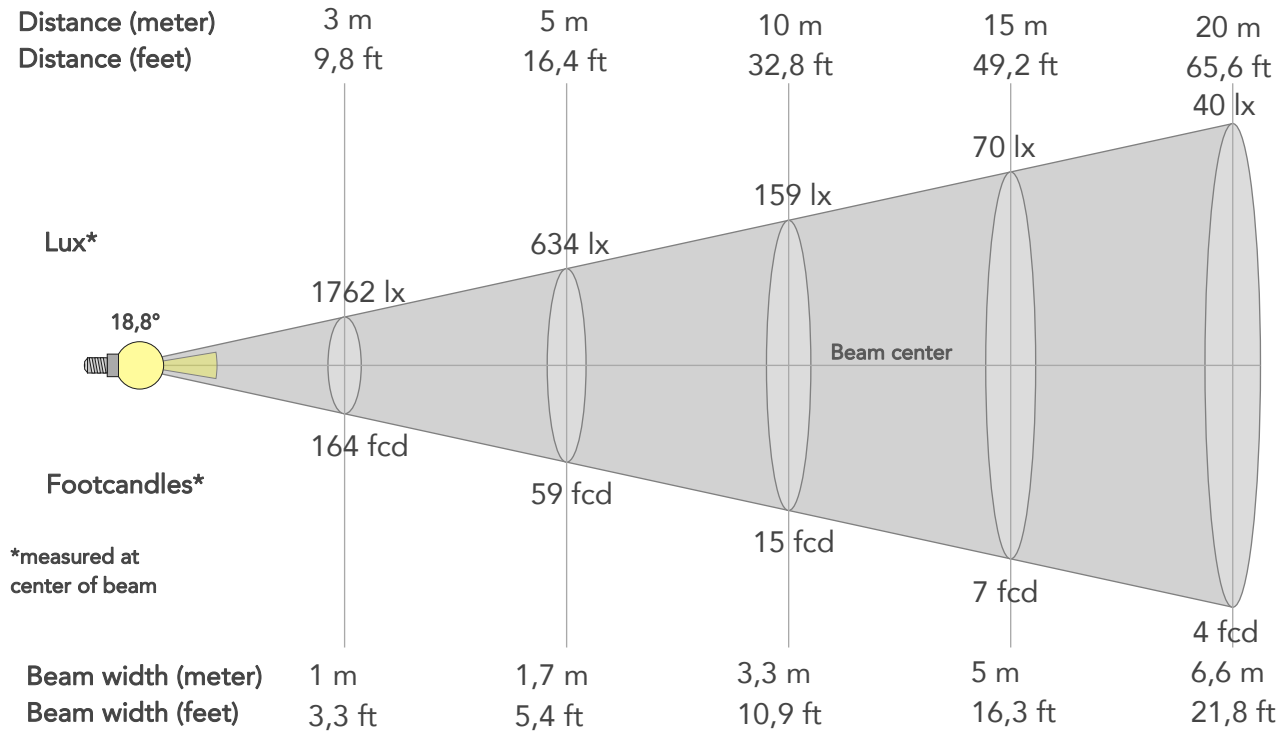
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	-1%	0%
2	97	0%	-1%
3	95	-1%	-2%
4	93	-4%	-3%
5	95	-4%	0%
6	95	-2%	3%
7	93	-2%	4%
8	95	2%	3%
9	96	2%	2%
10	96	2%	1%
11	97	2%	0%
12	93	2%	-4%
13	93	-1%	-5%
14	94	0%	-5%
15	94	-2%	0%
16	93	0%	-5%



BEAM DETAILS



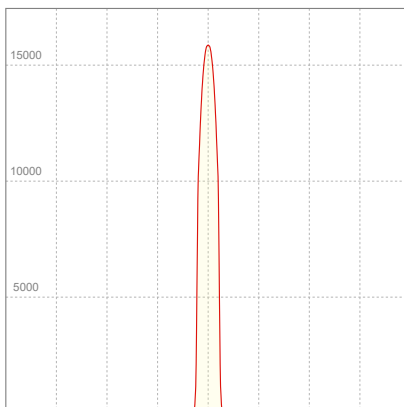
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,8°	22,1°	23,9°	99,5%	99,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	15858lx	3965lx	1762lx	991lx	634lx	282lx	159lx	70lx	40lx	25lx	18lx	10lx	6lx
Footcand.	1473fcd	368fcd	164fcd	92fcd	59fcd	26fcd	15fcd	7fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,7m	2,5m	3,3m	5m	6,6m	8,3m	10m	13,3m	16,6m
Beam wid.	1,1ft	2,2ft	3,3ft	4,3ft	5,4ft	8,2ft	10,9ft	16,3ft	21,8ft	27,2ft	32,6ft	43,5ft	54,4ft

LINEAR DISTRIBUTION DIAGRAM

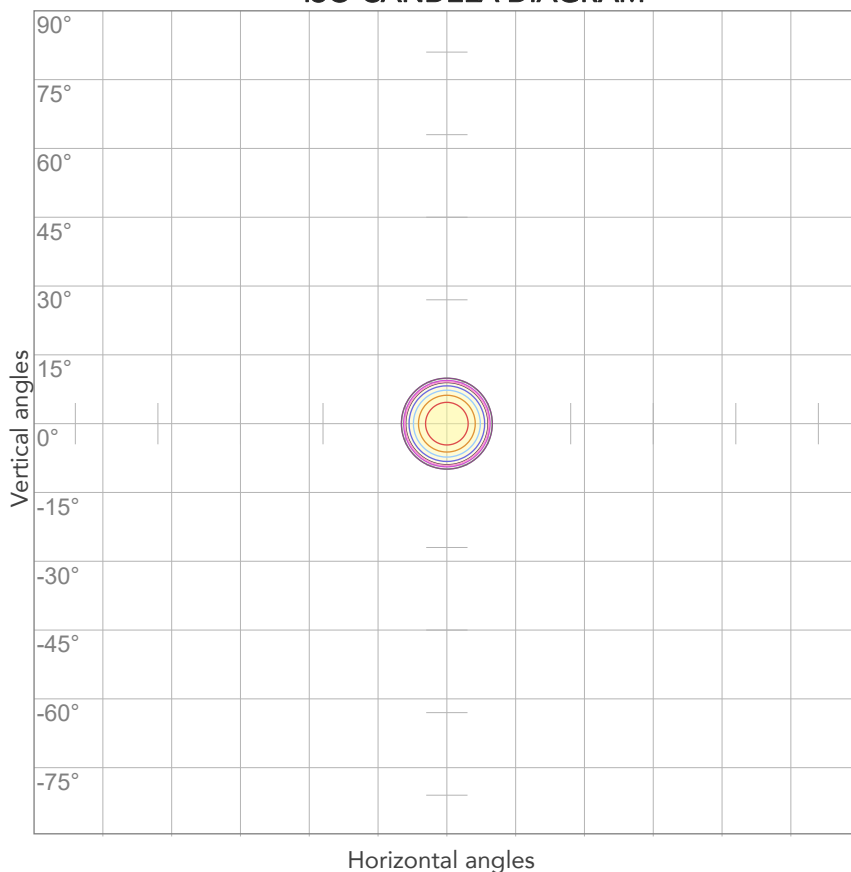


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,156A	33,5W	0,95	37lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



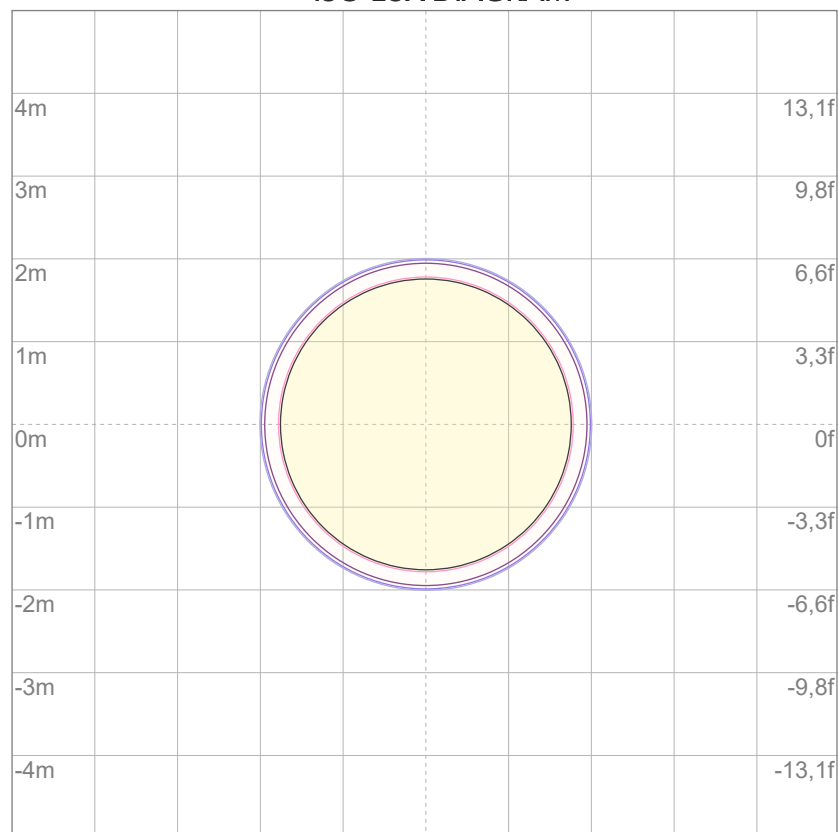
10%	1586 cd
20%	3172 cd
30%	4757 cd
40%	6343 cd
50%	7929 cd
60%	9515 cd
70%	11101 cd
80%	12687 cd

Conditions:

Number of c-planes: 2

Candela at center: 15858 cd

ISO LUX DIAGRAM



3%	4,76 lx
5%	7,93 lx
10%	15,9 lx
30%	47,6 lx
50%	79,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 159 lx

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



Total lumen output:

1194 lm

Peak candela output:

55360 cd

Light quality:

CRI: 97,4

Color temperature:

2797 K

PRODUCT NAME:
ECLDISPLAYCRMX27K

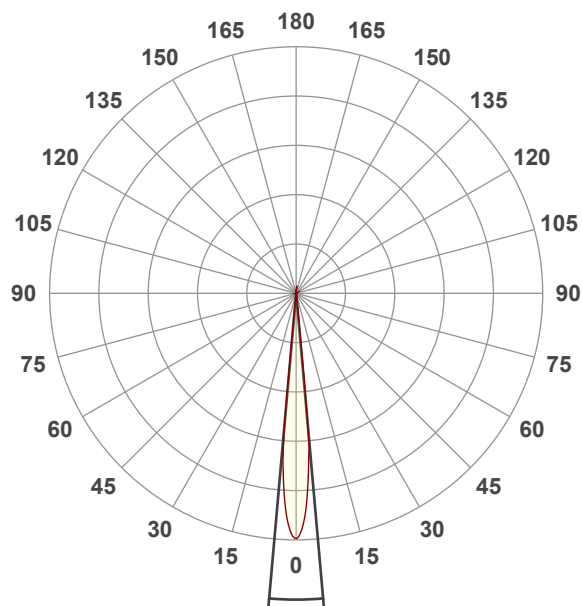
MEASURAMENT CONDITIONS:

Beam angle:
Profile 1020 Min Zoom

Target:
Full On

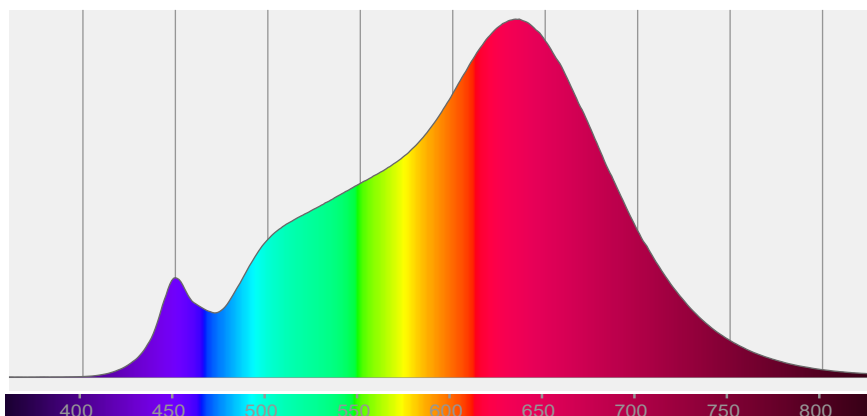
Operator:
Giacomo Matteo

Date and time:
18/06/2024 09:54:49

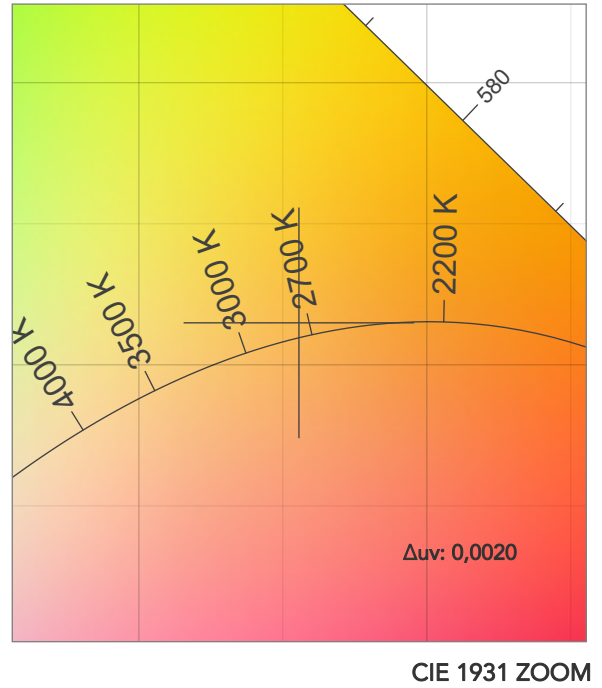
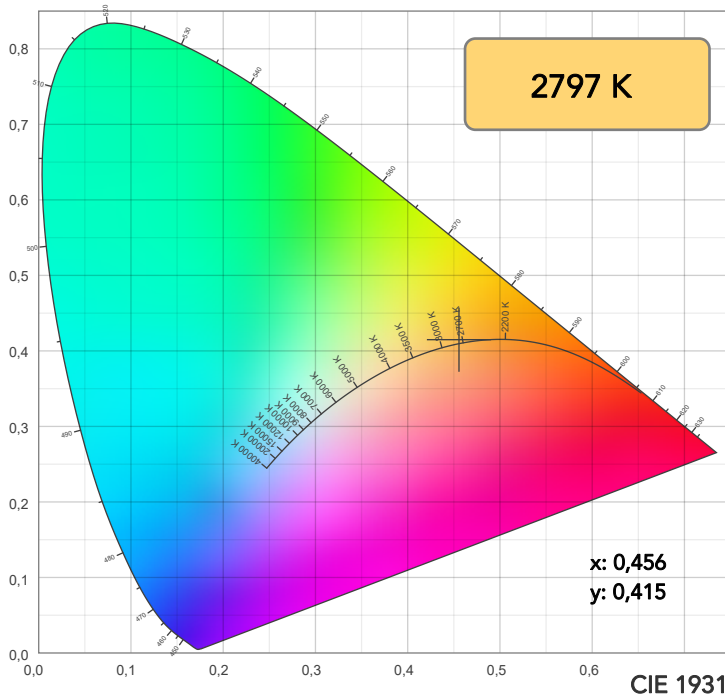


Beam angle 50%: 10,1°
Field angle 10%: 11,2°
Cut off angle 2.5%: 11,4°

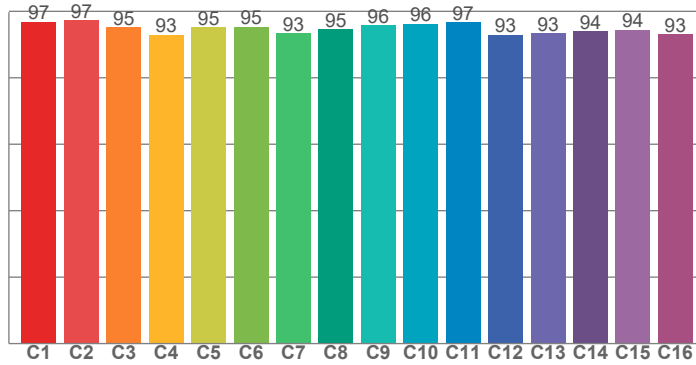
Spectra



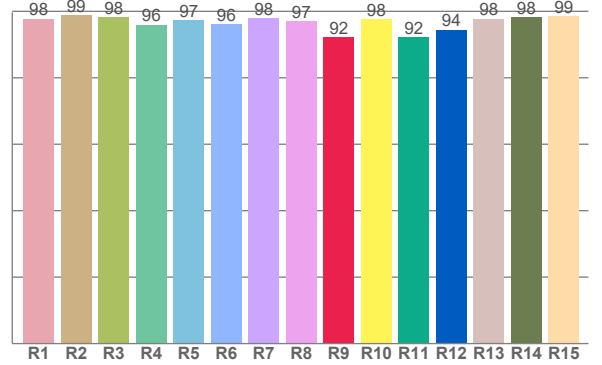
COLOR DETAILS



TM30: 95,0



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

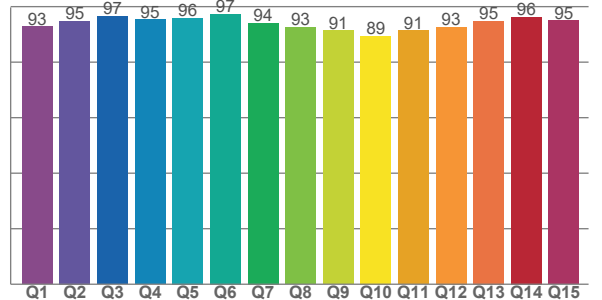
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,8	97,2	95,2	93,0	95,2	95,3	93,3	94,6	95,8	96,2	96,7	92,8	93,3	93,9	94,4	93,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,9	94,8	96,5	95,3	95,8	97,4	94,2	92,5	91,4	89,4	91,3	92,6	94,8	96,2	94,9

CQS: 93,5



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
2797 K	97,4	92,2	95,0	99,0	93,5	97	0,456	0,415	0,0020

TM30 DETAILS

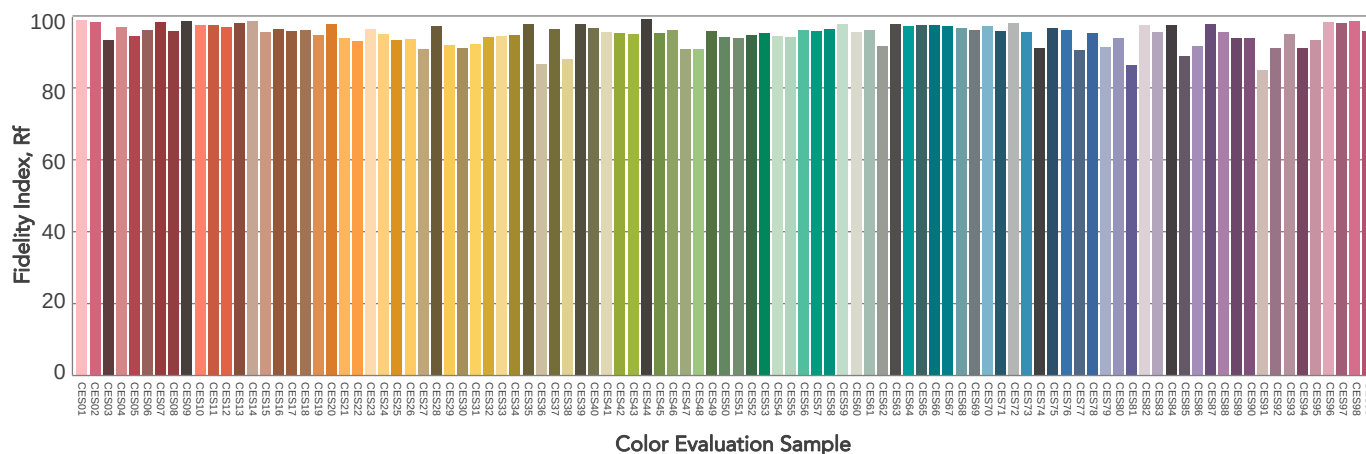
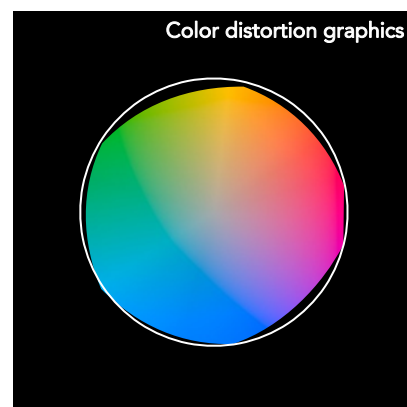
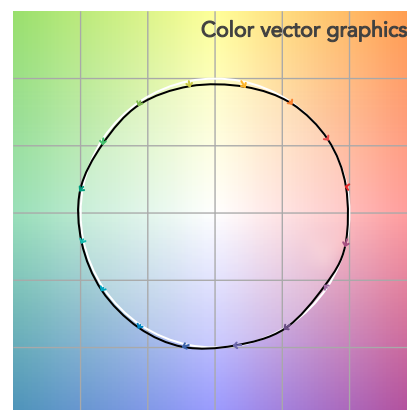
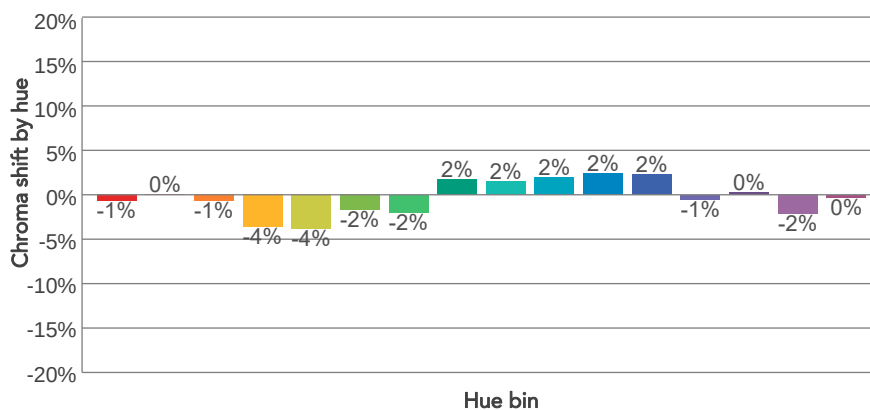
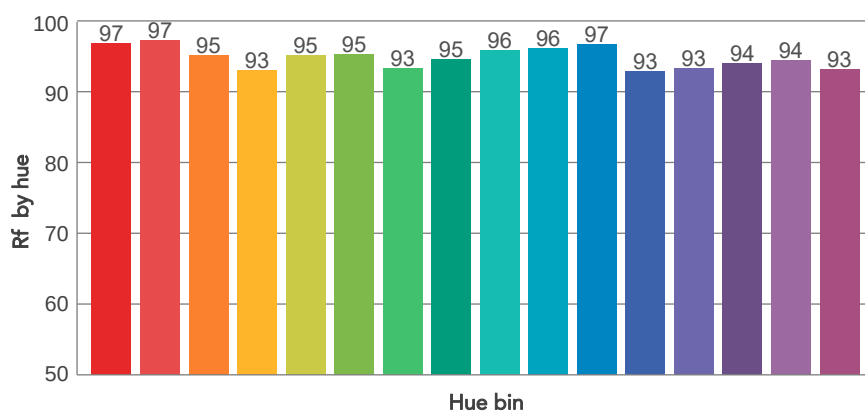
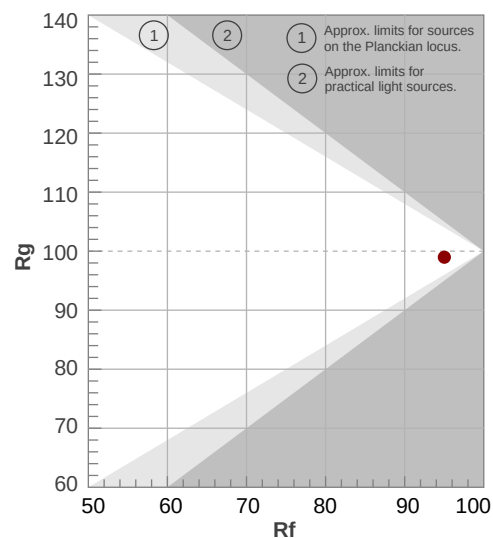
Rf 95,0

Fidelity index R_f

Rg 99,0

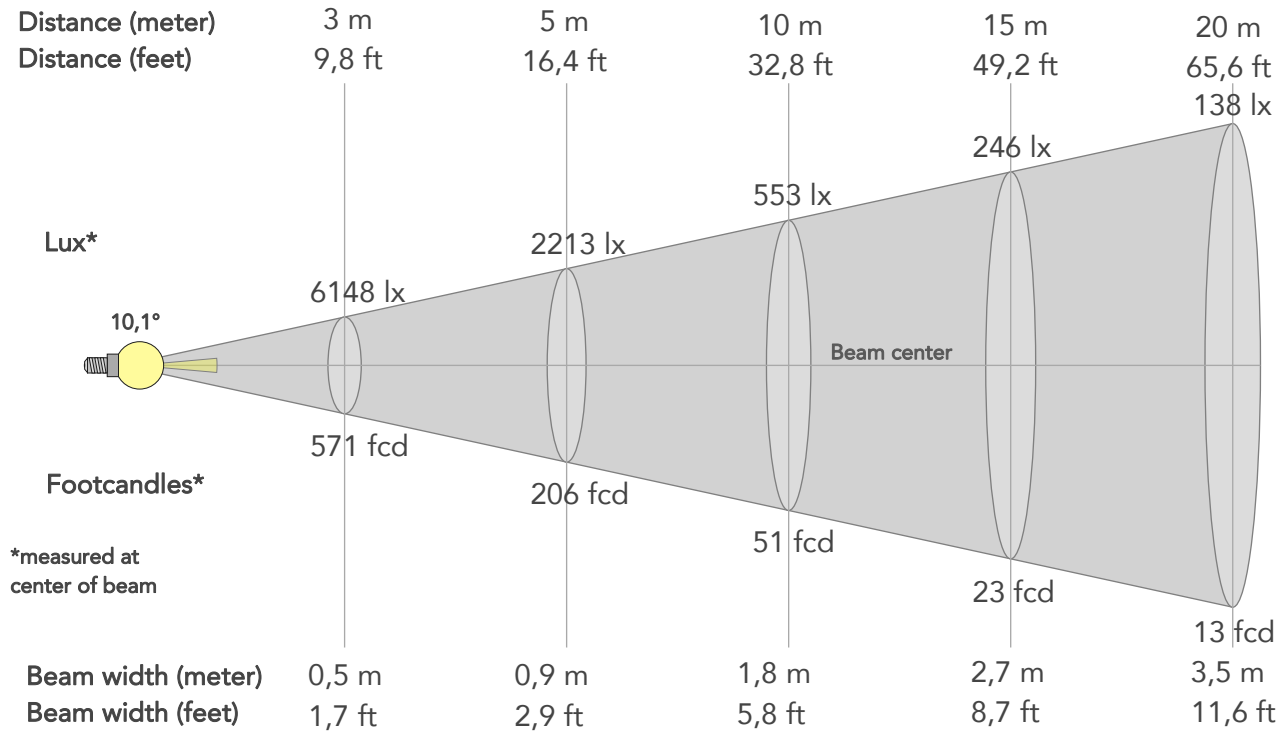
Gammut index

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



BEAM DETAILS

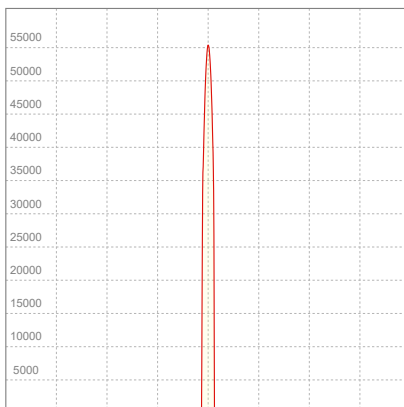
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,1°	11,2°	11,4°	99,8%	99,7%



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	55330lx	13833lx	6148lx	3458lx	2213lx	984lx	553lx	246lx	138lx	89lx	61lx	35lx	22lx
Footcand.	5140fcd	1285fcd	571fcd	321fcd	206fcd	91fcd	51fcd	23fcd	13fcd	8fcd	6fcd	3fcd	2fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,7m	3,5m	4,4m	5,3m	7,1m	8,8m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,4ft	5,8ft	8,7ft	11,6ft	14,5ft	17,4ft	23,2ft	29ft

LINEAR DISTRIBUTION DIAGRAM

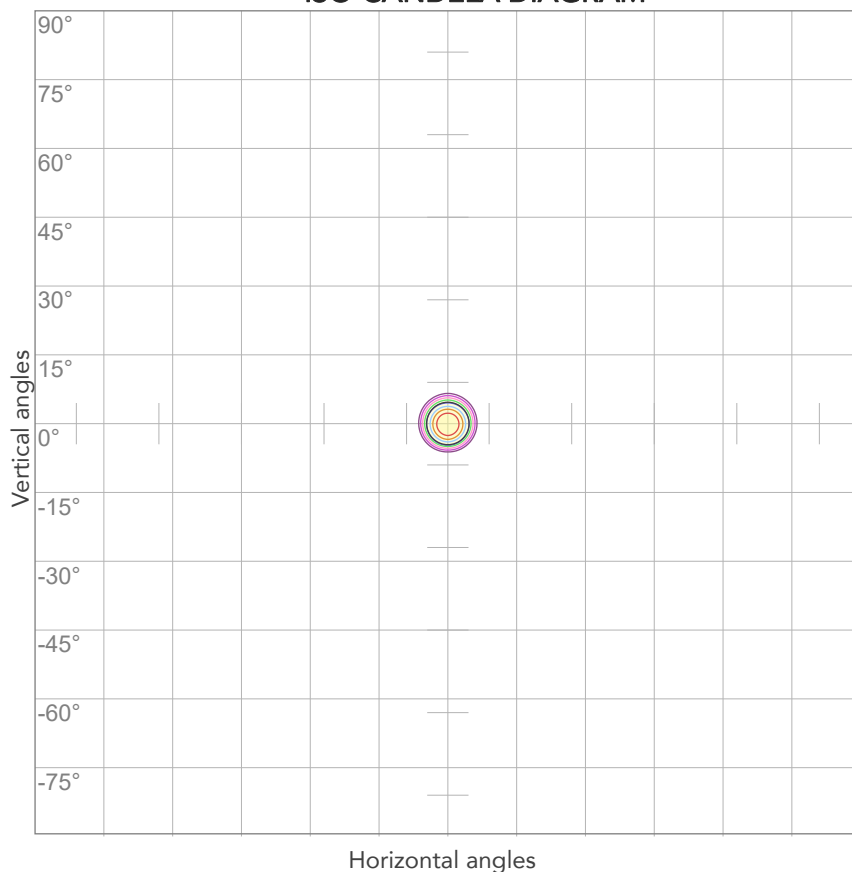


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,156A	33,5W	0,95	36lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



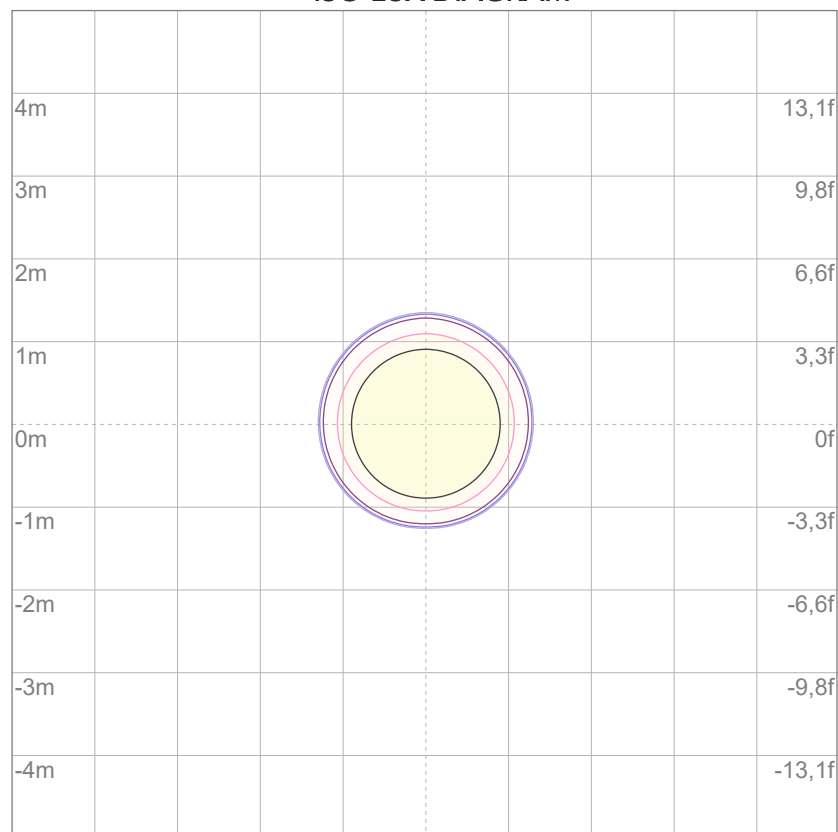
10%	5533 cd
20%	11066 cd
30%	16599 cd
40%	22132 cd
50%	27665 cd
60%	33198 cd
70%	38731 cd
80%	44264 cd

Conditions:

Number of c-planes: 2

Candela at center: 55330 cd

ISO LUX DIAGRAM



3%	16,6 lx
5%	27,7 lx
10%	55,3 lx
30%	166 lx
50%	277 lx

Conditions:

Number of c-planes: 2

Lux at center: 553 lx

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



Total lumen output:

1080 lm

Peak candela output:

4217 cd

Light quality:

CRI: 97,4

Color temperature:

2875 K

PRODUCT NAME:

ECLDISPLAYCRMX27K

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 HD Max Zoom

Target:

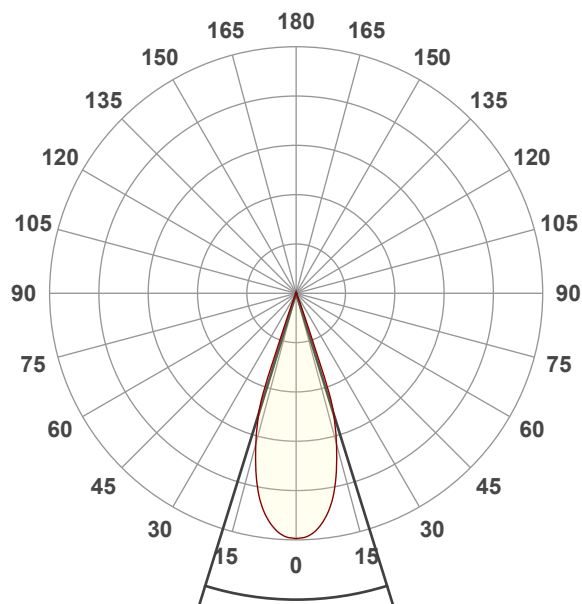
Full On

Operator:

Giacomo Matteo

Date and time:

18/06/2024 09:51:46

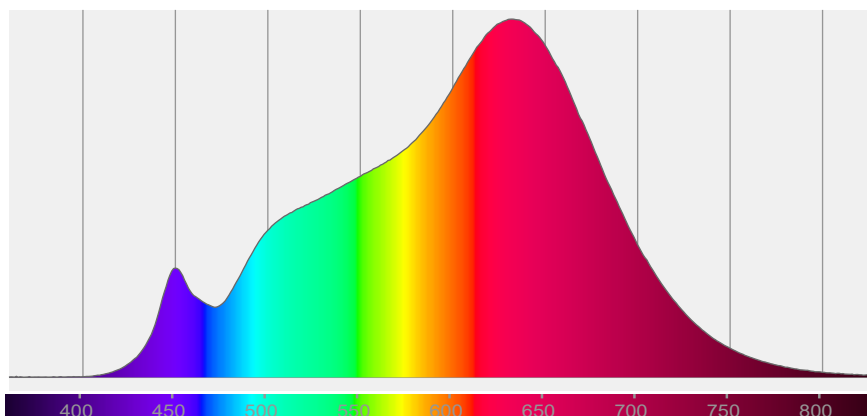


Beam angle 50%: 34,5°

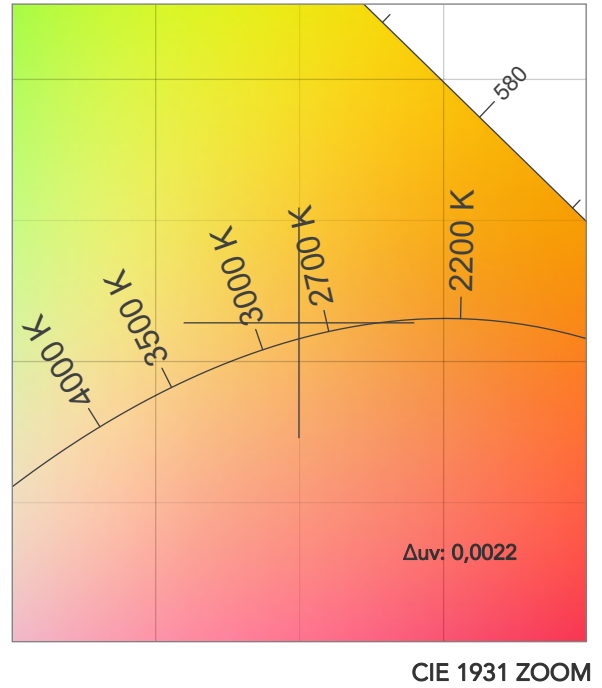
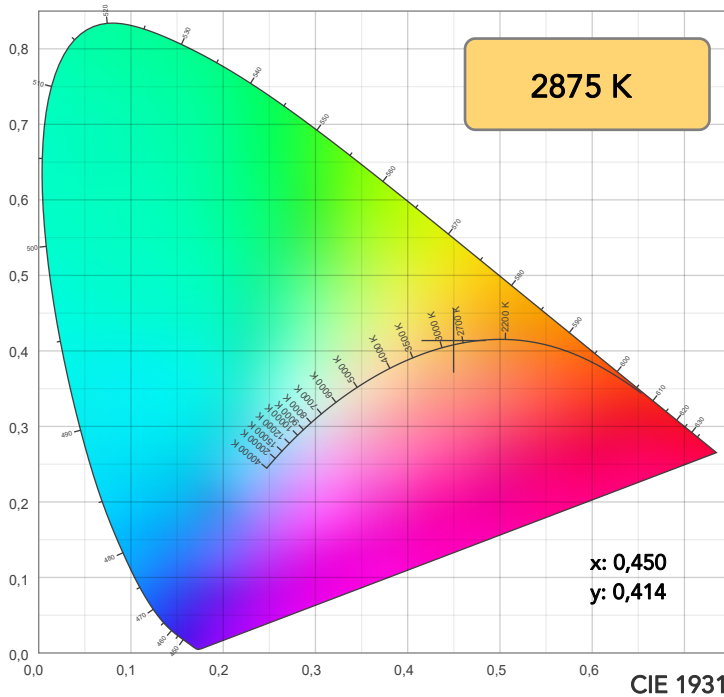
Field angle 10%: 40,5°

Cut off angle 2.5%: 43,6°

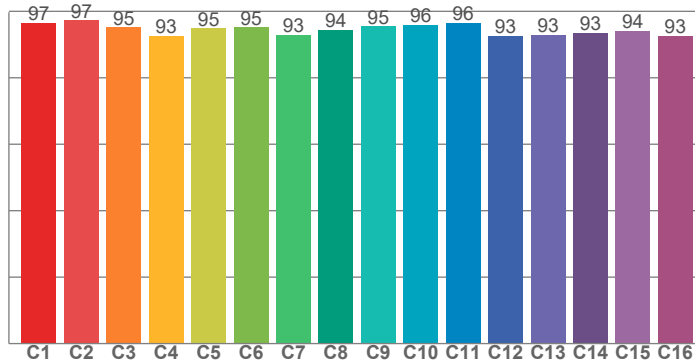
Spectra



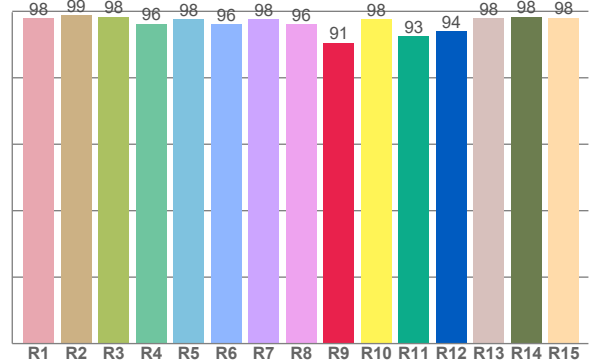
COLOR DETAILS



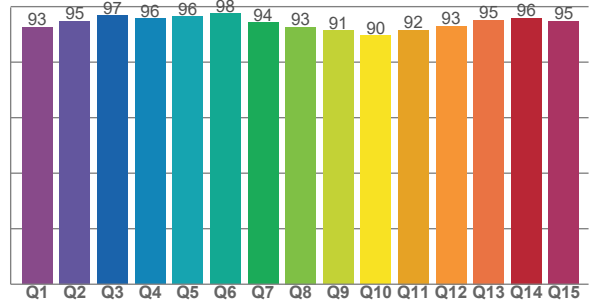
TM30: 94,7



CRI: 97,4 (R1-R8)



CQS: 93,6



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,0	98,8	98,4	96,3	97,7	96,1	97,6	96,2	90,6	97,7	92,6	94,0	97,9	98,3	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
96,5	97,3	95,2	92,6	94,9	95,1	93,0	94,4	95,5	95,9	96,5	92,6	92,9	93,4	94,1	92,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,5	94,7	96,8	95,7	96,4	97,5	94,2	92,6	91,4	89,5	91,6	93,0	95,2	96,0	94,7

COLOR PARAMETERS

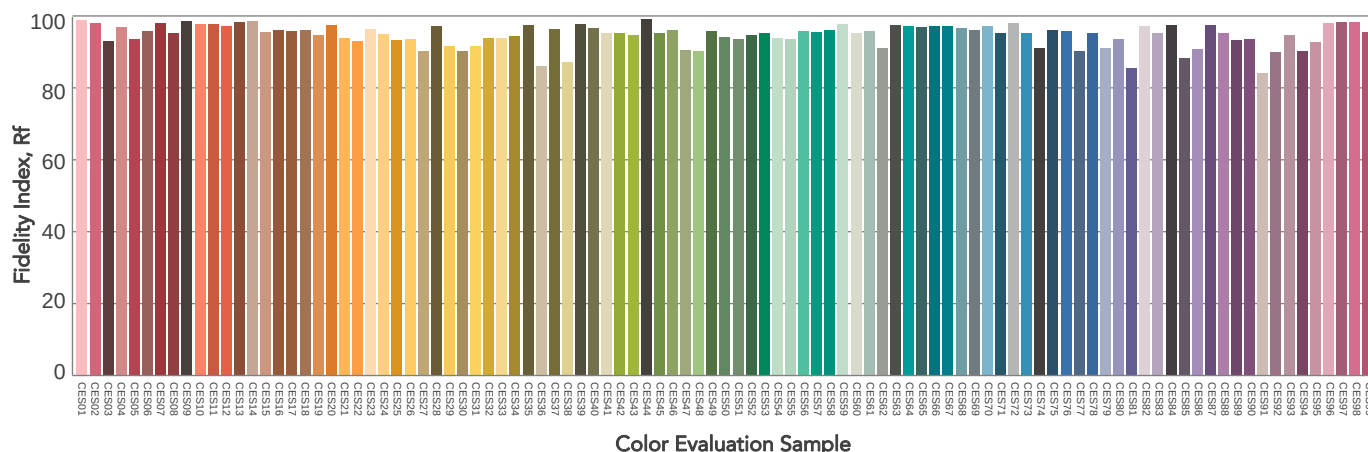
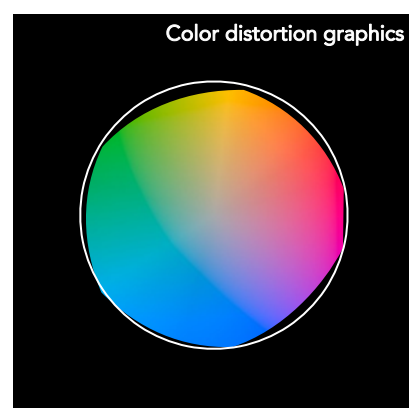
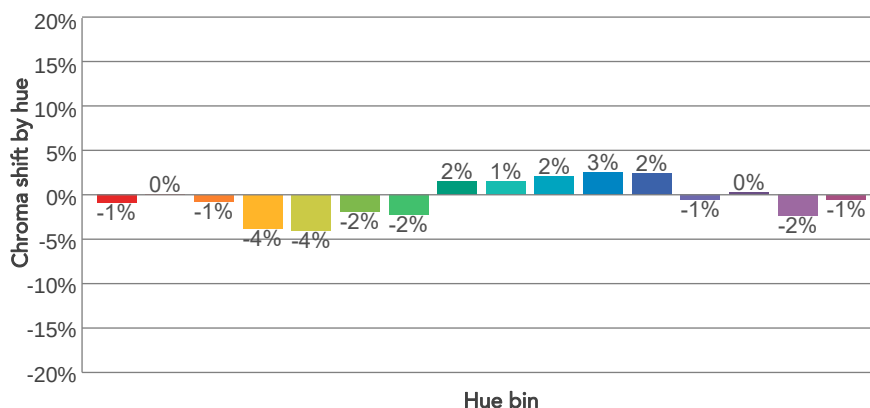
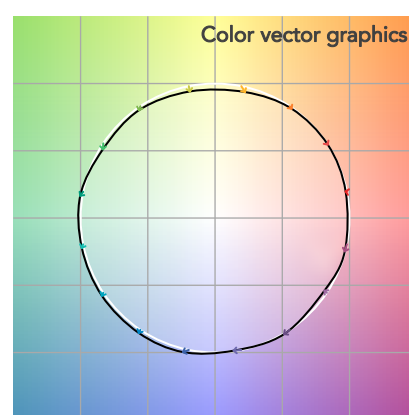
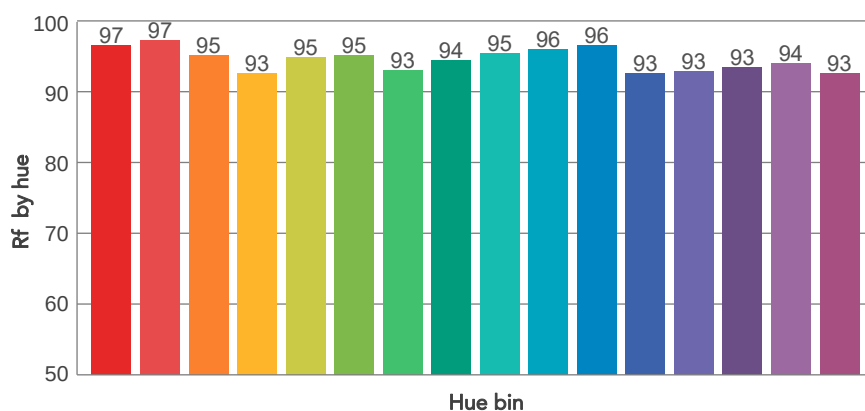
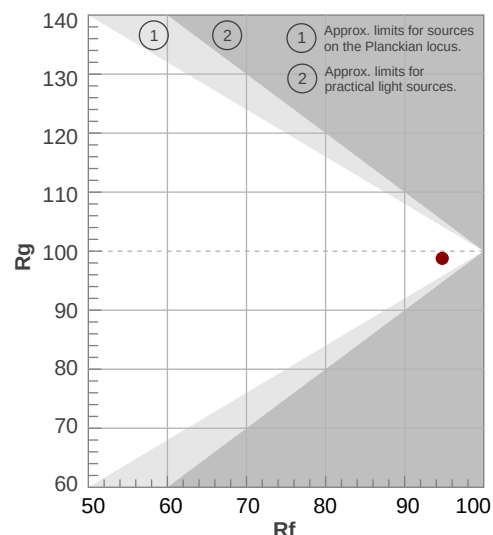
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2875 K	97,4	90,6	94,7	98,8	93,6	97	0,450	0,414	0,0022

TM30 DETAILS

Rf 94,7
Fidelity index Rf

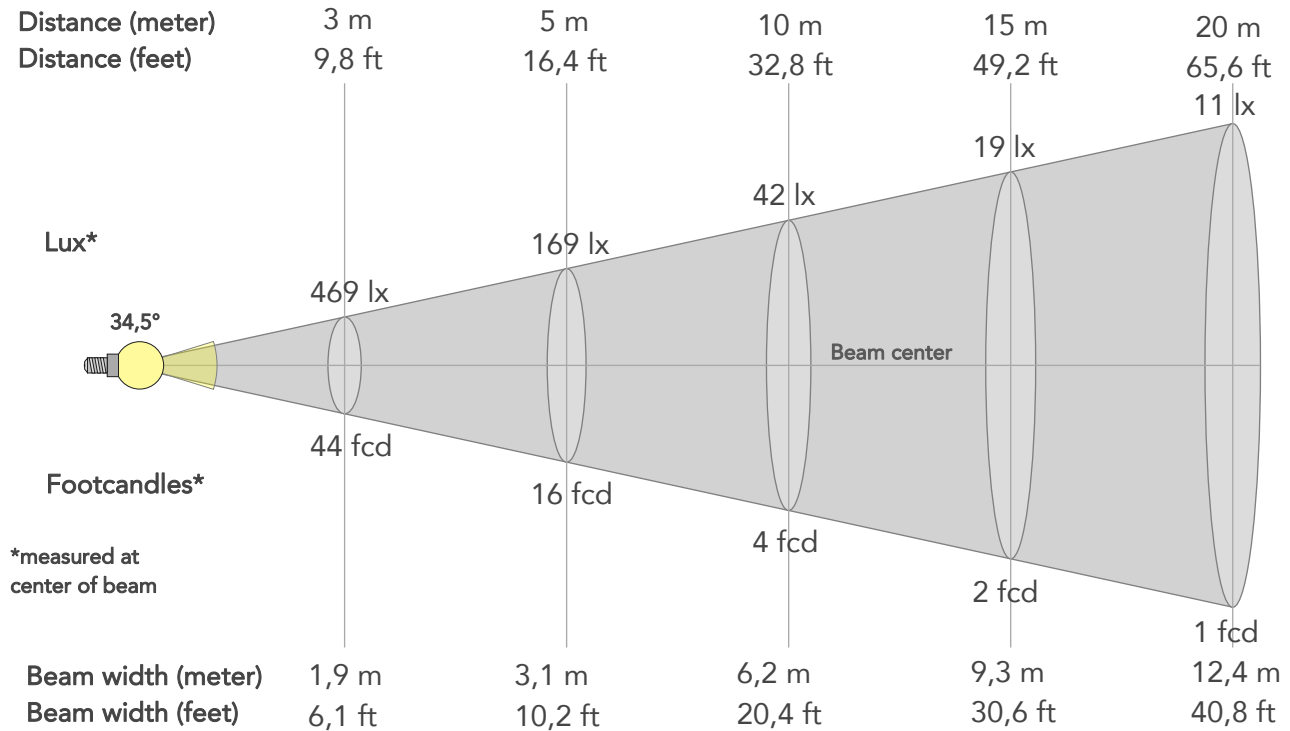
Rg 98,8
Gammut index

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



BEAM DETAILS

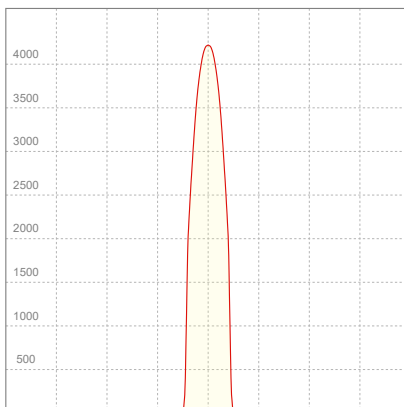
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34,5°	40,5°	43,6°	99,8%	99,7%



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	4217lx	1054lx	469lx	264lx	169lx	75lx	42lx	19lx	11lx	7lx	5lx	3lx	2lx
Footcand.	392fcd	98fcd	44fcd	24fcd	16fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,9m	2,5m	3,1m	4,7m	6,2m	9,3m	12,4m	15,5m	18,7m	24,9m	31,1m
Beam wid.	2,1ft	4,1ft	6,1ft	8,1ft	10,2ft	15,3ft	20,4ft	30,6ft	40,8ft	51ft	61,2ft	81,6ft	102ft

LINEAR DISTRIBUTION DIAGRAM

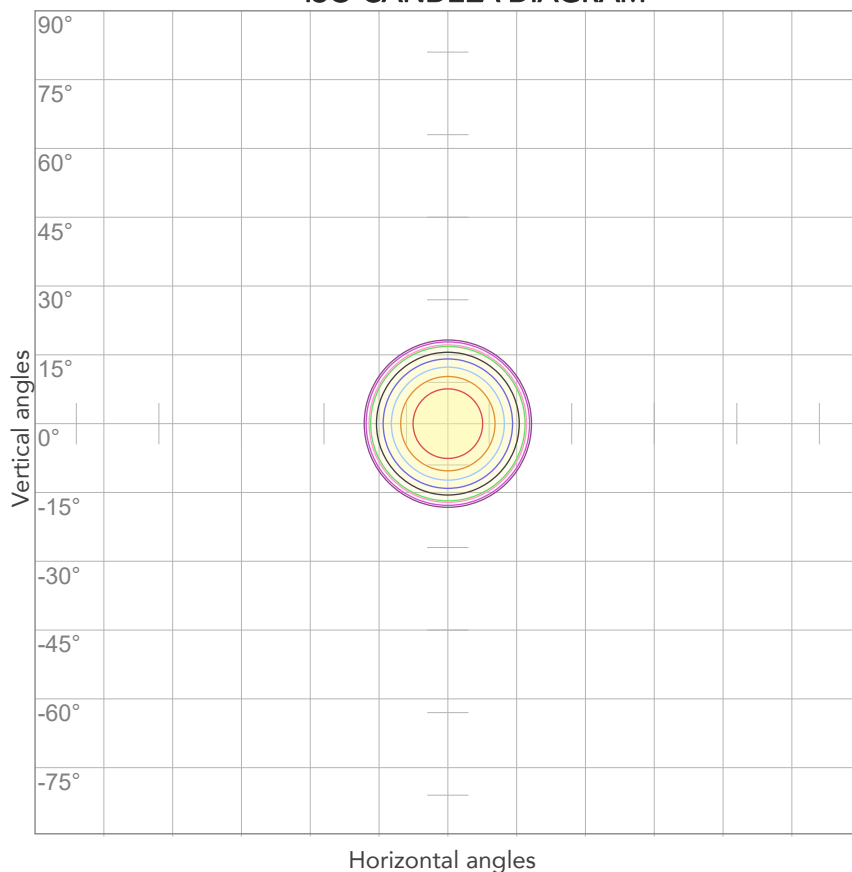


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,156A	33,5W	0,95	32lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



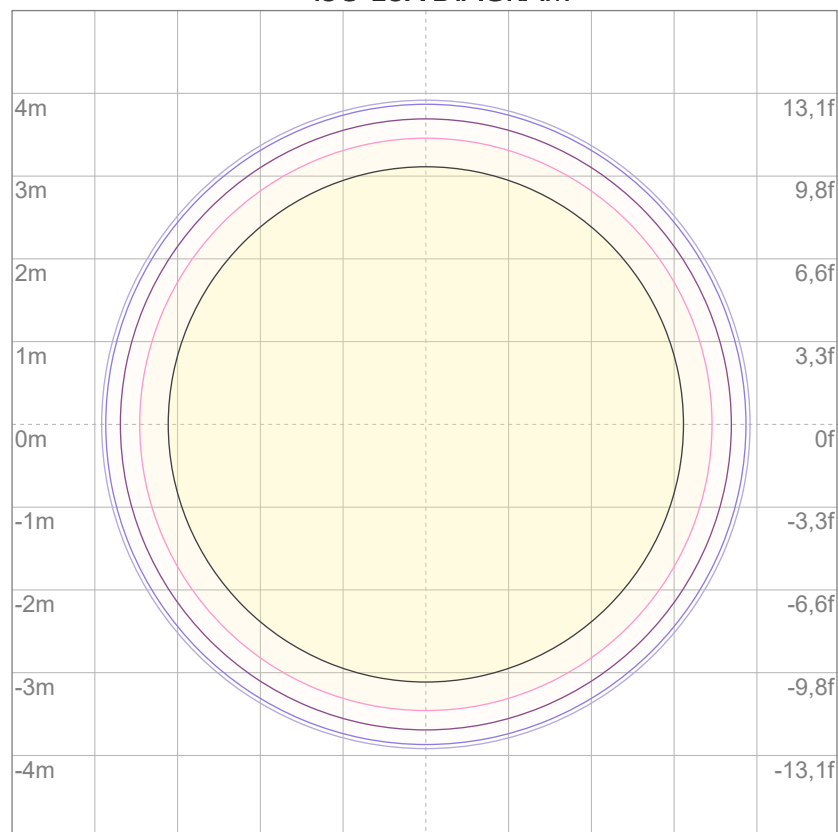
10%	422 cd
20%	843 cd
30%	1265 cd
40%	1687 cd
50%	2109 cd
60%	2530 cd
70%	2952 cd
80%	3374 cd

Conditions:

Number of c-planes: 2

Candela at center: 4217 cd

ISO LUX DIAGRAM



3%	1,27 lx
5%	2,11 lx
10%	4,22 lx
30%	12,7 lx
50%	21,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 42,2 lx

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



Total lumen output:

1105 lm

Peak candela output:

15276 cd

Light quality:

CRI: 97,2

Color temperature:

2863 K

PRODUCT NAME:

ECLDISPLAYCRMX27K

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 HD Min Zoom

Target:

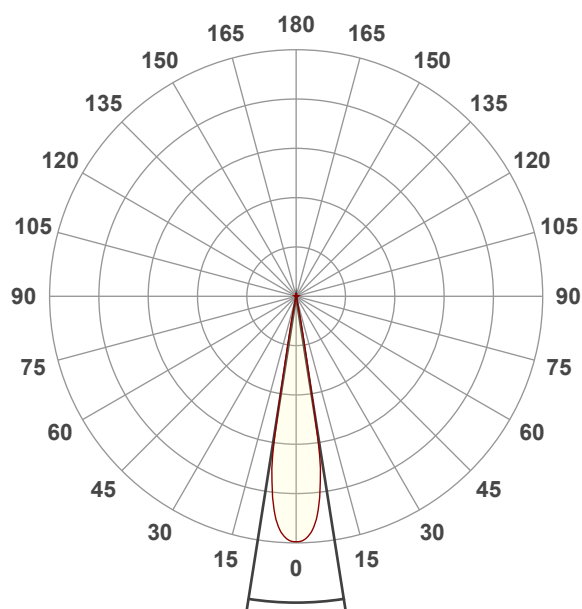
Full On

Operator:

Giacomo Matteo

Date and time:

18/06/2024 09:49:09

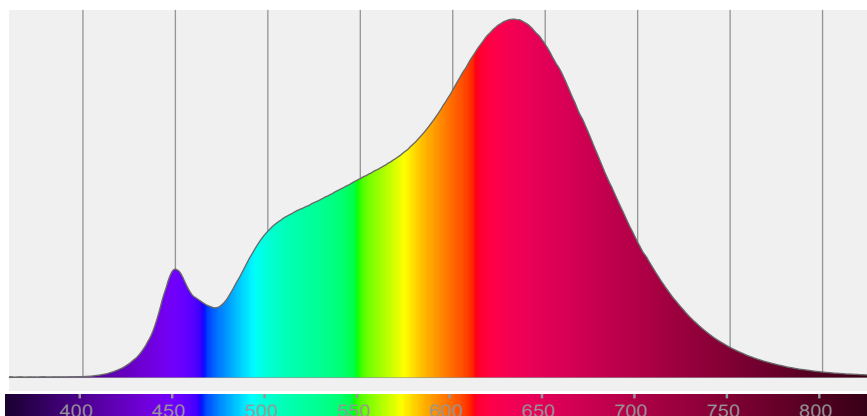


Beam angle 50%: 17,9°

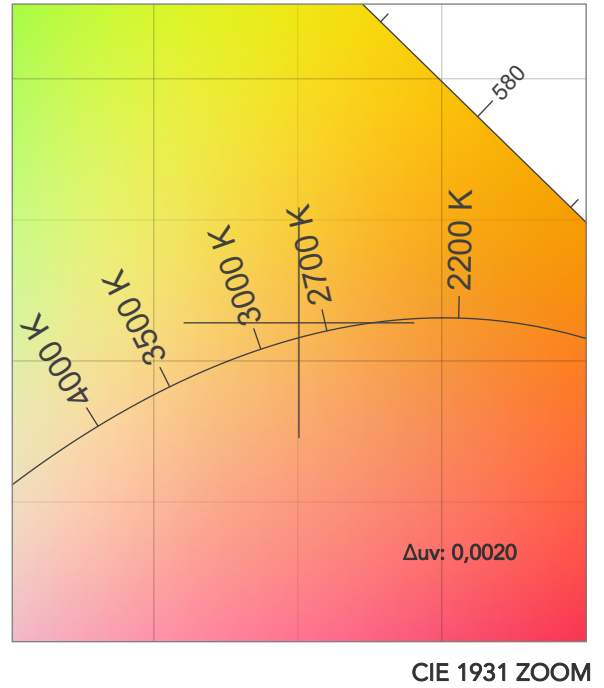
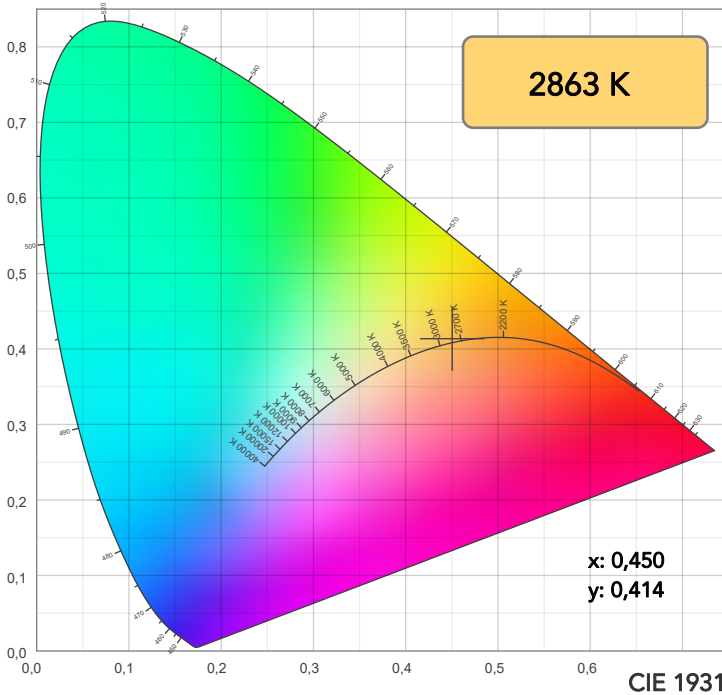
Field angle 10%: 21,4°

Cut off angle 2.5%: 22,7°

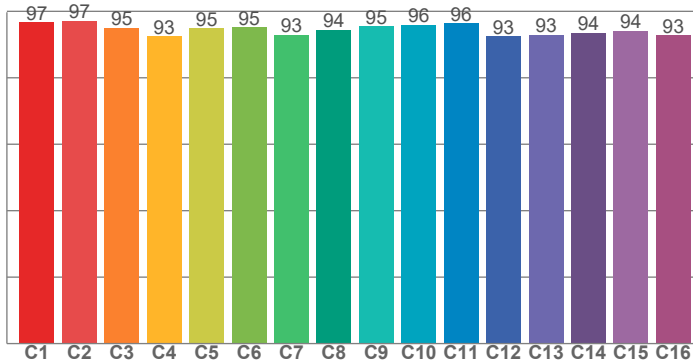
Spectra



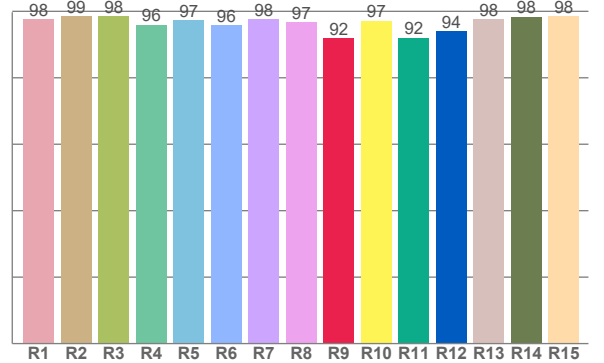
COLOR DETAILS



TM30: 94,7



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
97,6	98,6	98,4	95,9	97,2	95,7	97,7	96,7	91,8	97,2	92,1	93,9	97,6	98,4	98,4

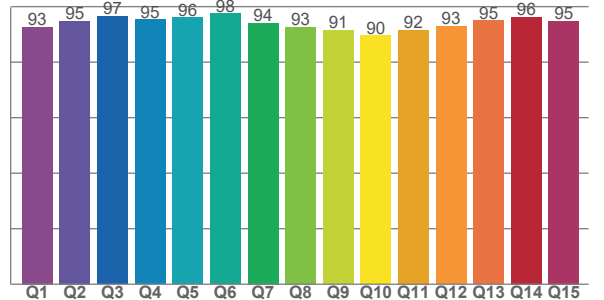
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,7	94,8	96,5	95,4	96,1	97,5	94,1	92,6	91,5	89,6	91,6	92,9	95,0	96,3	94,8

CQS: 93,6



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
2863 K	97,2	91,8	94,7	98,9	93,6	97	0,450	0,414	0,0020

TM30 DETAILS

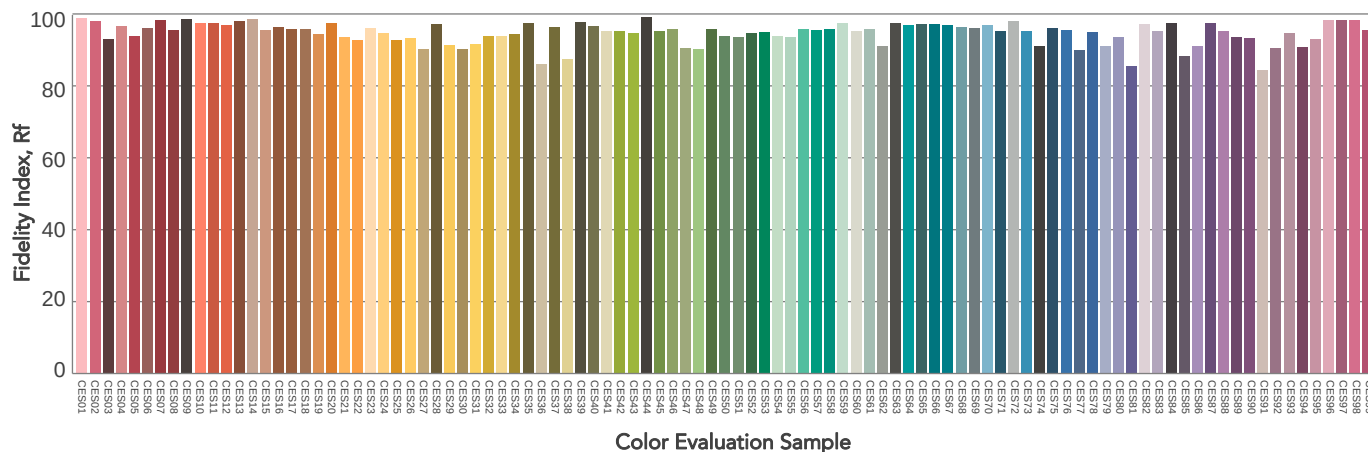
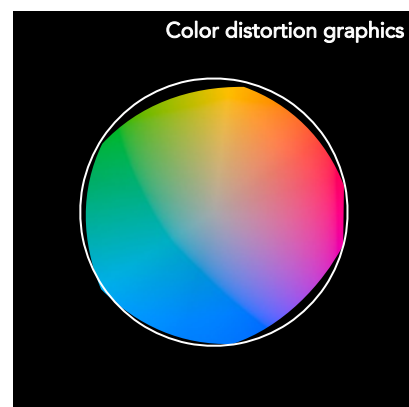
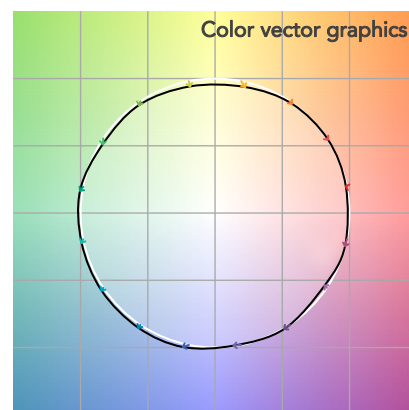
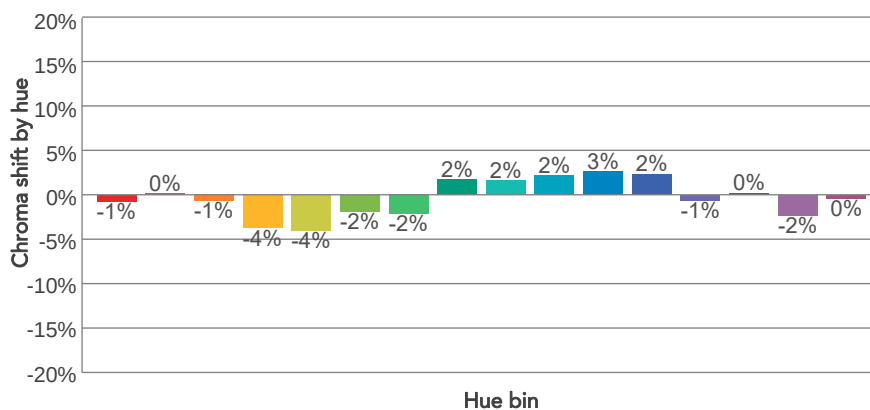
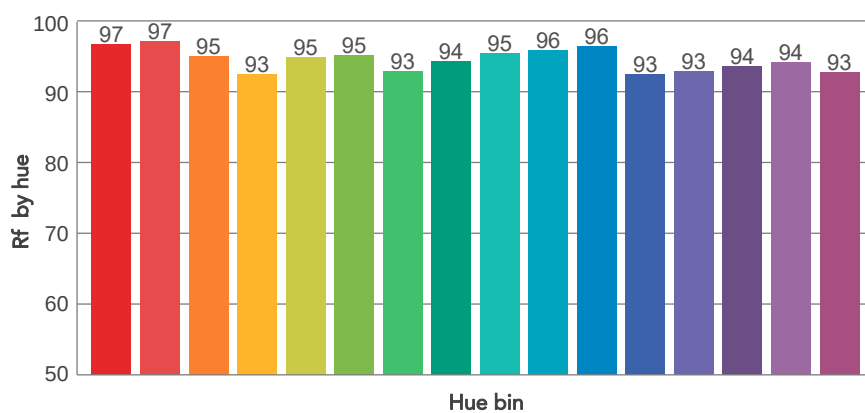
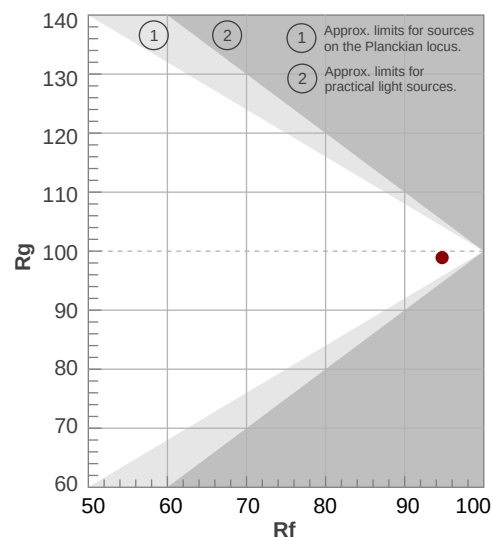
Rf 94,7

Fidelity index R_f

Rg 98,9

Gammut index

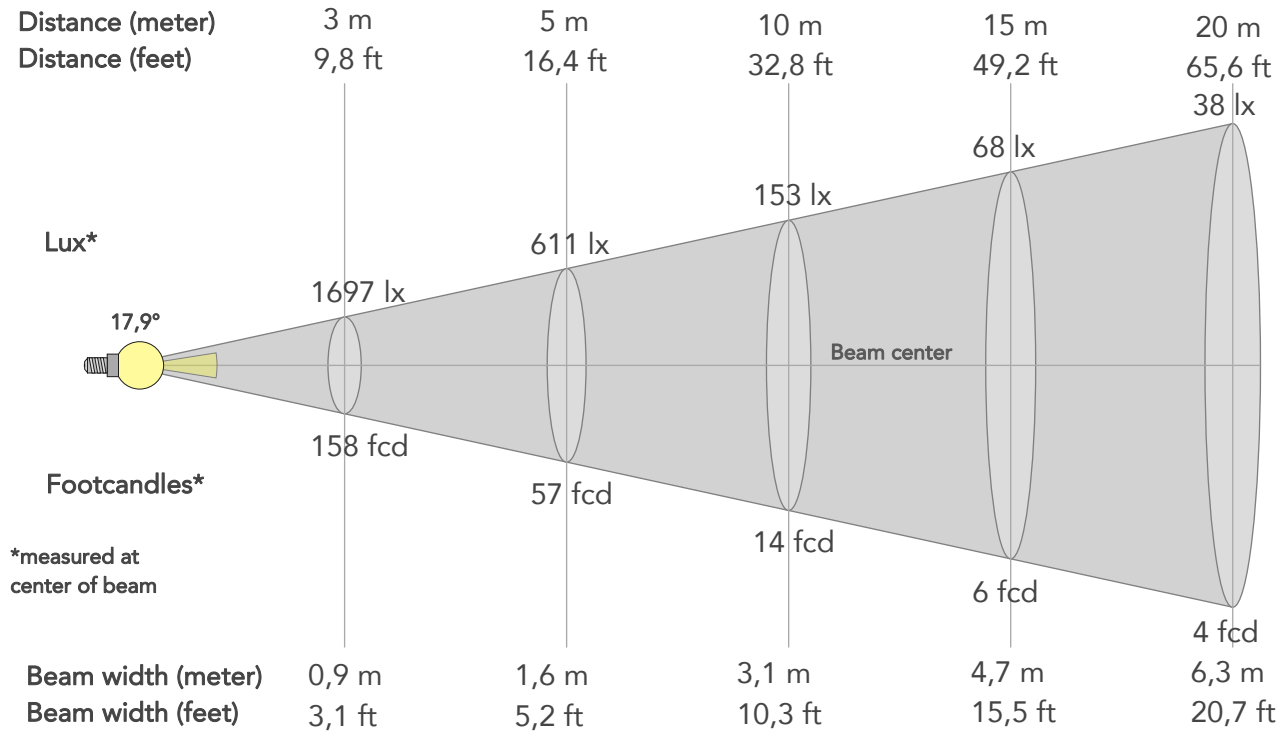
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	97	-1%	0%
2	97	0%	-1%
3	95	-1%	-2%
4	93	-4%	-4%
5	95	-4%	0%
6	95	-2%	3%
7	93	-2%	4%
8	94	2%	3%
9	95	2%	2%
10	96	2%	1%
11	96	3%	0%
12	93	2%	-4%
13	93	-1%	-6%
14	94	0%	-5%
15	94	-2%	0%
16	93	0%	-5%



BEAM DETAILS



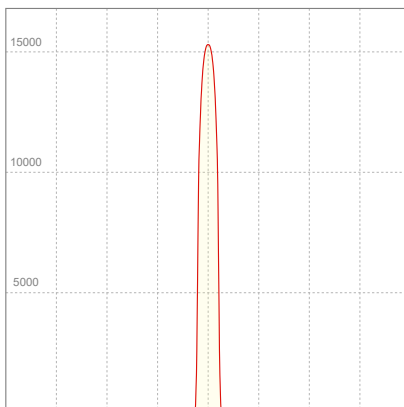
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,9°	21,4°	22,7°	99,6%	99,5%



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	15276lx	3819lx	1697lx	955lx	611lx	272lx	153lx	68lx	38lx	24lx	17lx	10lx	6lx
Footcand.	1419fcd	355fcd	158fcd	89fcd	57fcd	25fcd	14fcd	6fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,3m	0,6m	0,9m	1,3m	1,6m	2,4m	3,1m	4,7m	6,3m	7,9m	9,4m	12,6m	15,7m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,2ft	7,7ft	10,3ft	15,5ft	20,7ft	25,8ft	31ft	41,3ft	51,6ft

LINEAR DISTRIBUTION DIAGRAM

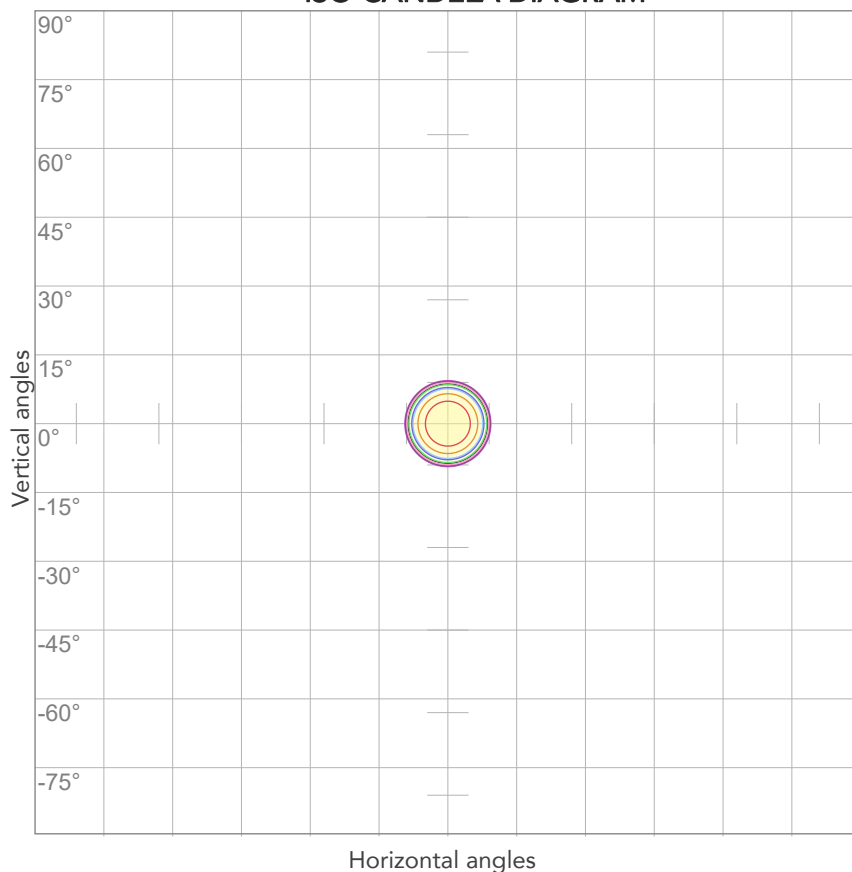


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,156A	33,6W	0,95	33lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



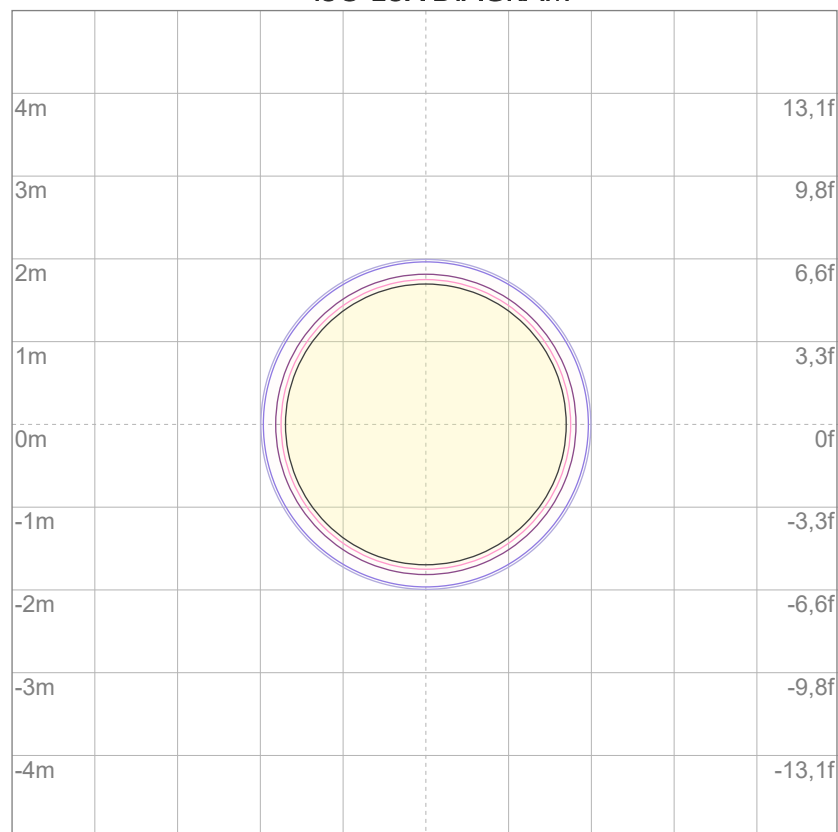
10%	1528 cd
20%	3055 cd
30%	4583 cd
40%	6110 cd
50%	7638 cd
60%	9165 cd
70%	10693 cd
80%	12220 cd

Conditions:

Number of c-planes: 2

Candela at center: 15276 cd

ISO LUX DIAGRAM



3%	4,58 lx
5%	7,64 lx
10%	15,3 lx
30%	45,8 lx
50%	76,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 153 lx

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



Total lumen output:

1317 lm

Peak candela output:

4740 cd

Light quality:

CRI: 97,4

Color temperature:

2754 K

PRODUCT NAME:
ECLDISPLAYCRMX27K

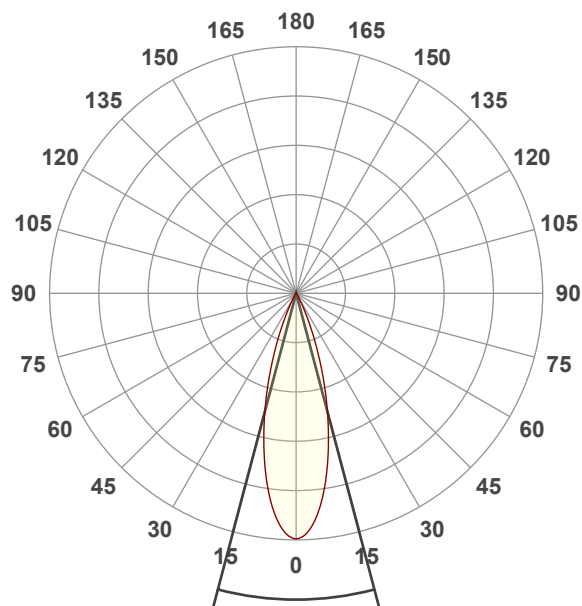
MEASURAMENT CONDITIONS:

Beam angle:
Wash 1530 Max Zoom

Target:
Full On

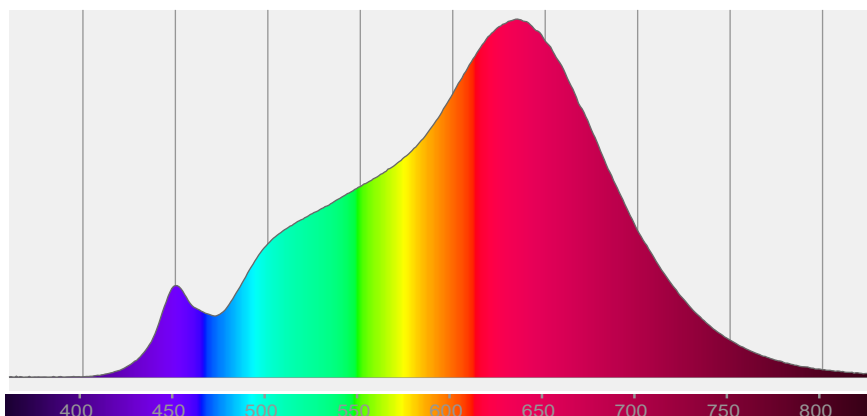
Operator:
Giacomo Matteo

Date and time:
18/06/2024 09:59:45

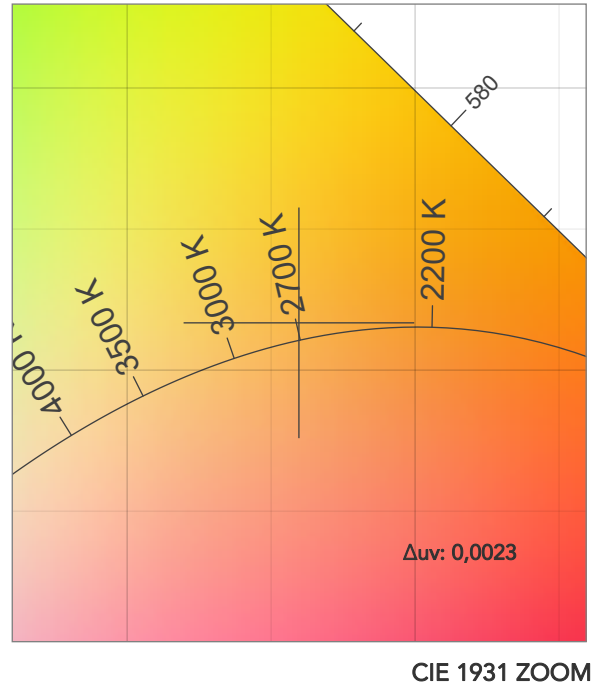
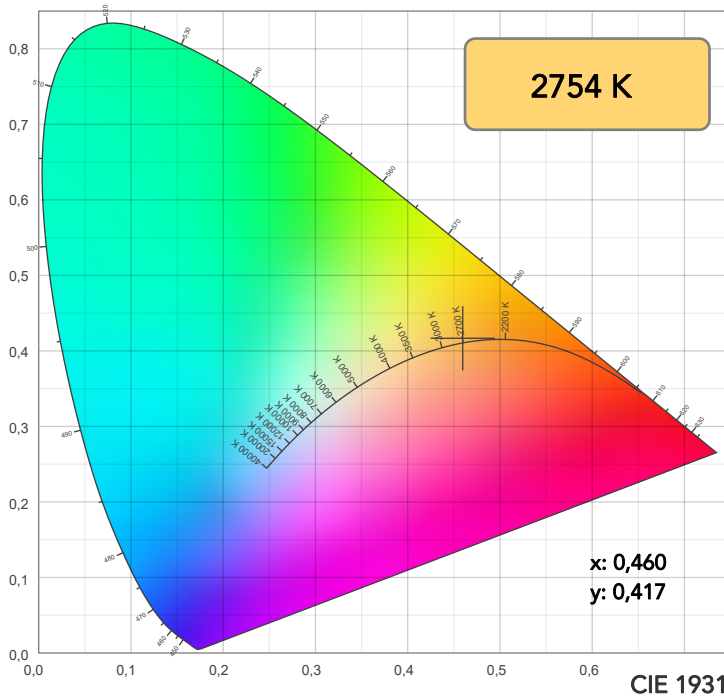


Beam angle 50%: 29,6°
Field angle 10%: 49,8°
Cut off angle 2.5%: 60,9°

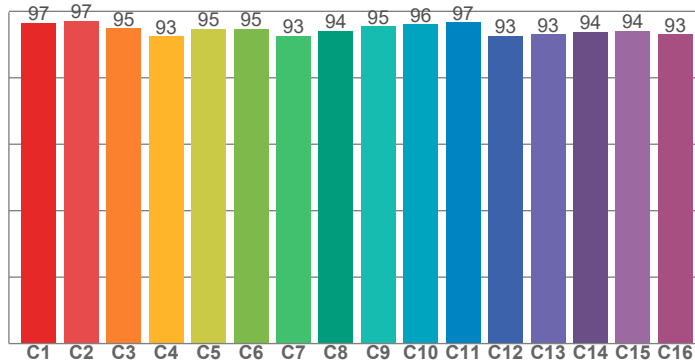
Spectra



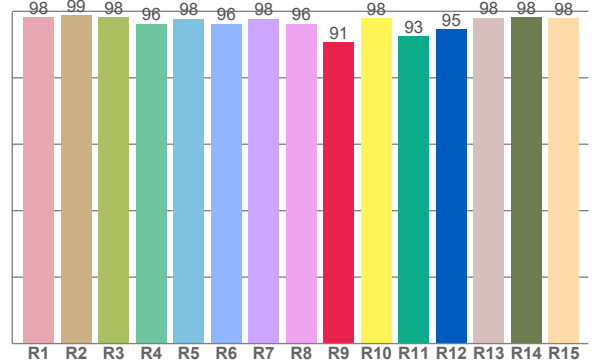
COLOR DETAILS



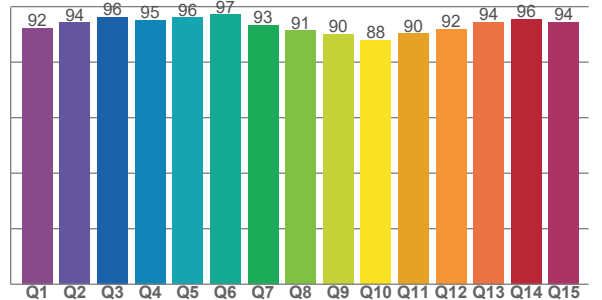
TM30: 94,7



CRI: 97,4 (R1-R8)



CQS: 92,7



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,1	98,9	98,2	96,2	97,7	96,3	97,7	96,3	90,6	98,0	92,5	94,6	98,1	98,2	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
96,6	97,2	94,8	92,5	94,7	94,7	92,7	94,1	95,5	96,1	96,7	92,7	93,0	93,8	94,1	93,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,3	94,2	96,2	95,2	96,0	97,2	93,3	91,4	90,2	87,9	90,3	91,9	94,5	95,6	94,5

COLOR PARAMETERS

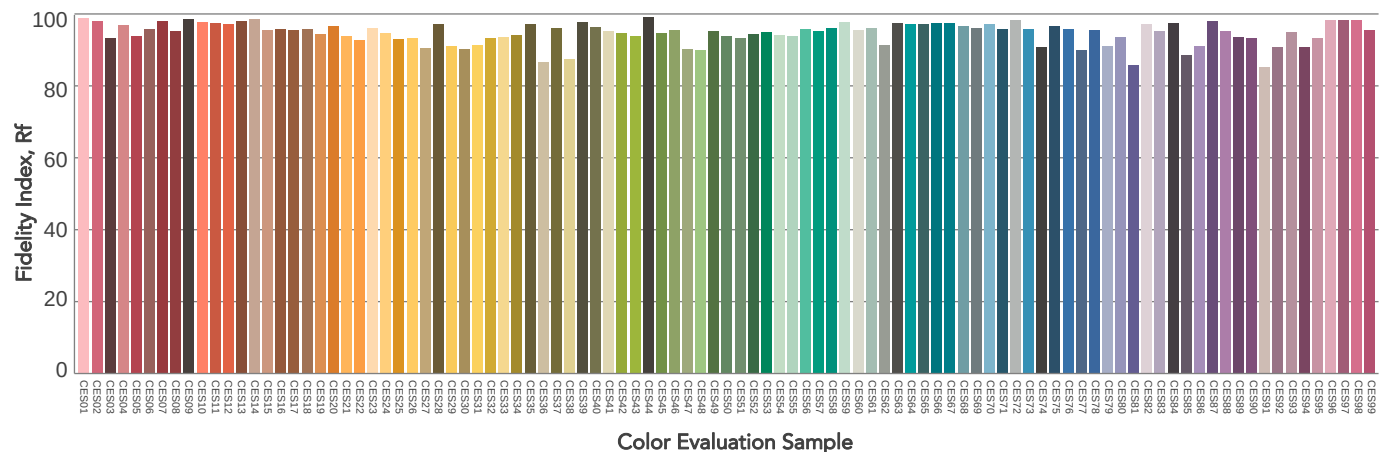
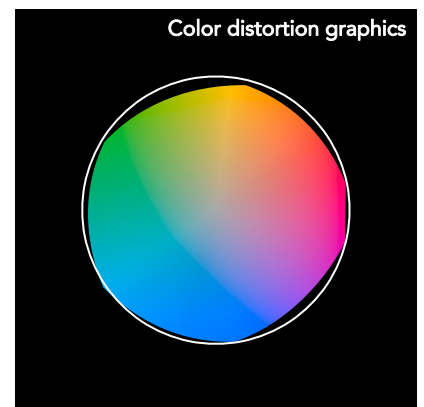
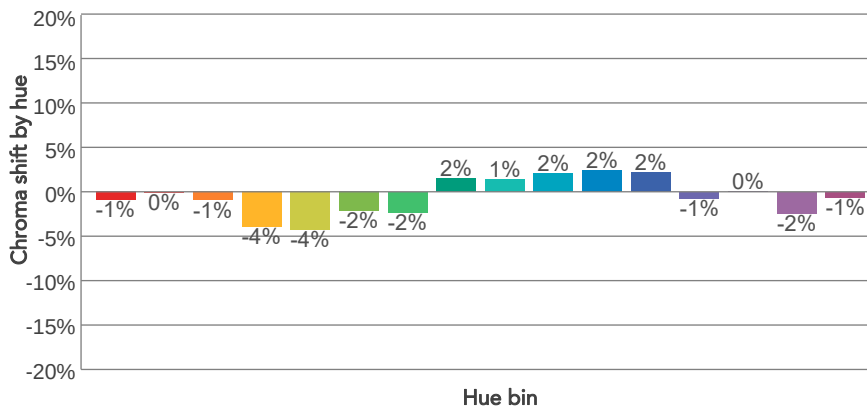
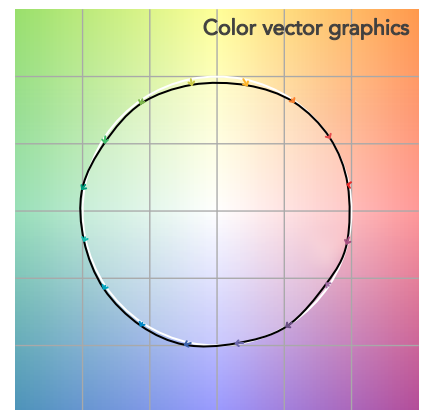
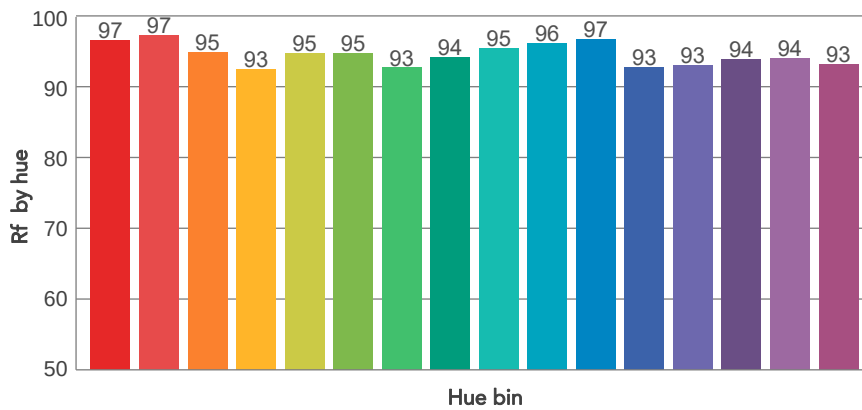
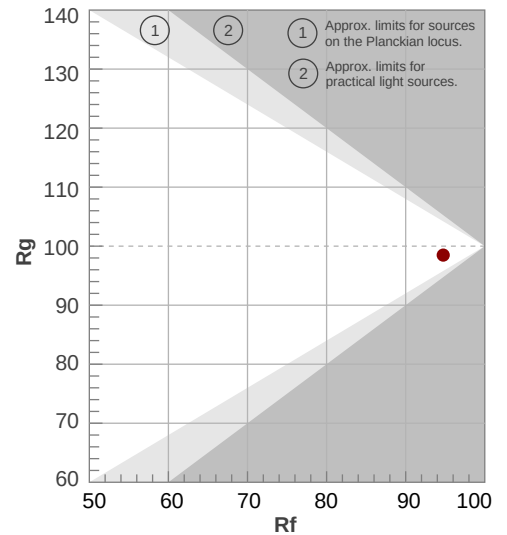
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2754 K	97,4	90,6	94,7	98,5	92,7	97	0,460	0,417	0,0023

TM30 DETAILS

Rf 94,7
Fidelity index Rf

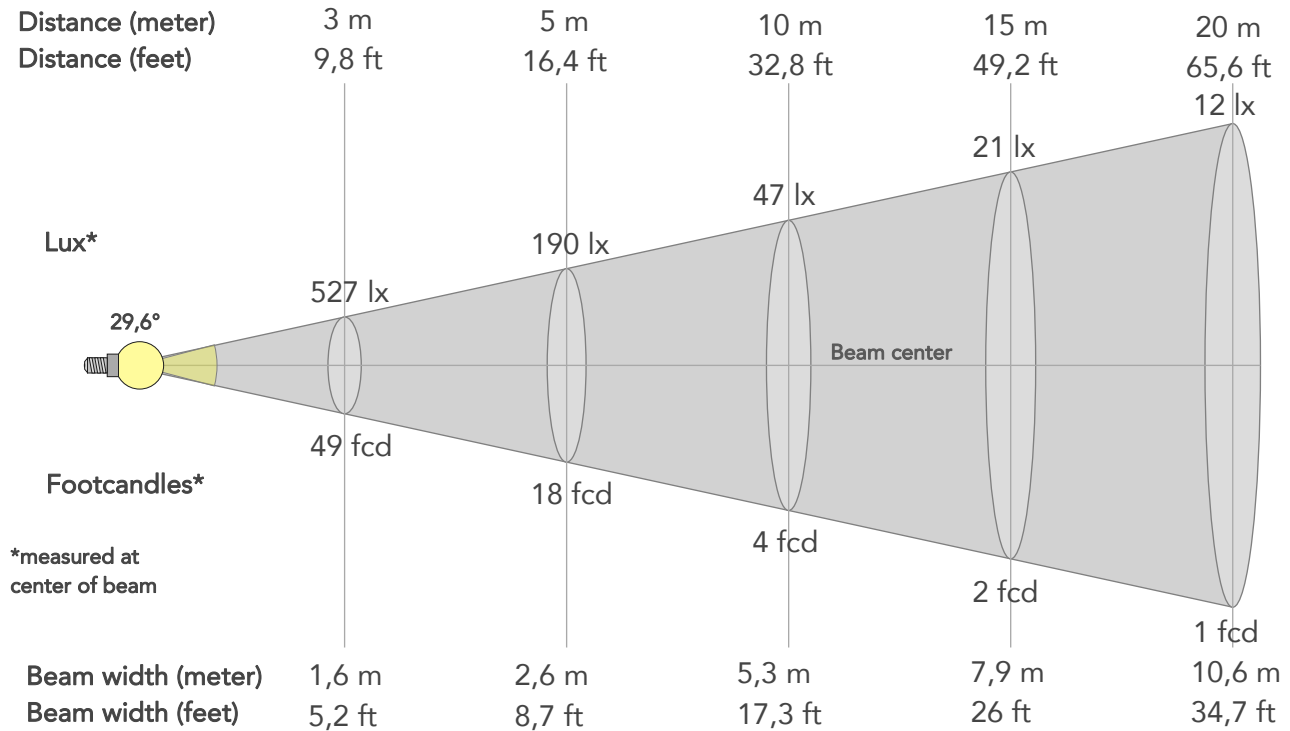
Rg 98,5
Gammut index

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



BEAM DETAILS

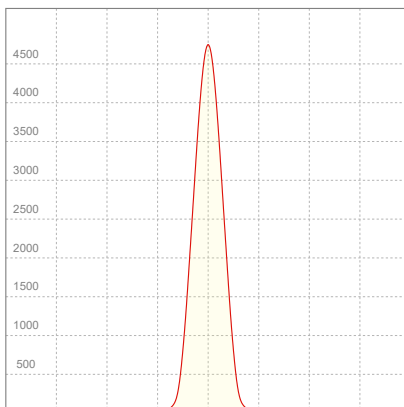
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29,6°	49,8°	60,9°	99,4%	98,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	4740lx	1185lx	527lx	296lx	190lx	84lx	47lx	21lx	12lx	8lx	5lx	3lx	2lx
Footcand.	440fcd	110fcd	49fcd	28fcd	18fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1,1m	1,6m	2,1m	2,6m	4m	5,3m	7,9m	10,6m	13,2m	15,9m	21,1m	26,4m
Beam wid.	1,7ft	3,5ft	5,2ft	6,9ft	8,7ft	13ft	17,3ft	26ft	34,7ft	43,3ft	52ft	69,3ft	86,7ft

LINEAR DISTRIBUTION DIAGRAM

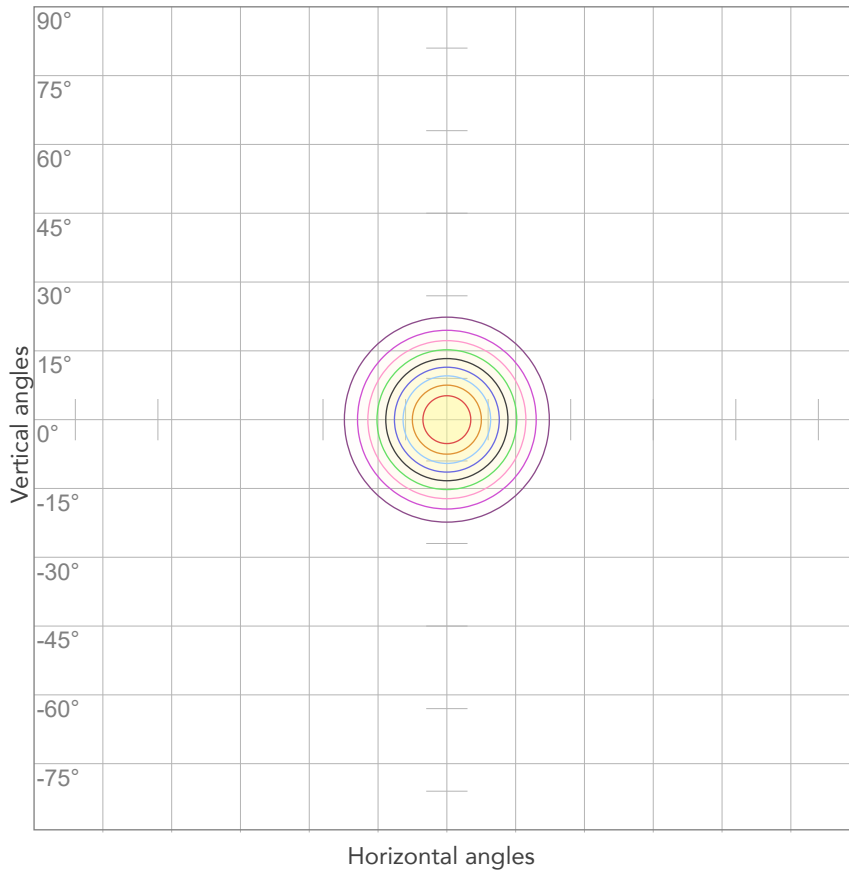


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,155A	33,5W	0,95	39lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



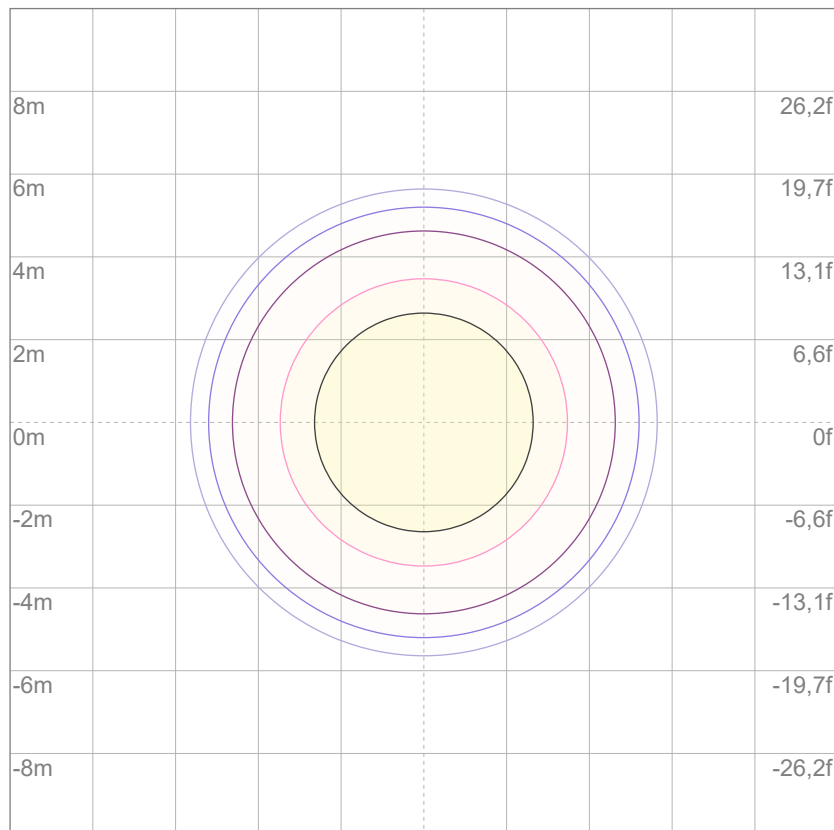
10%	474 cd
20%	948 cd
30%	1422 cd
40%	1896 cd
50%	2370 cd
60%	2844 cd
70%	3318 cd
80%	3792 cd

Conditions:

Number of c-planes: 2

Candela at center: 4740 cd

ISO LUX DIAGRAM



3%	1,42 lx
5%	2,37 lx
10%	4,74 lx
30%	14,2 lx
50%	23,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 47,4 lx

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



Total lumen output:

1069 lm

Peak candela output:

13889 cd

Light quality:

CRI: 97,3

Color temperature:

2746 K

PRODUCT NAME:
ECLDISPLAYCRMX27K

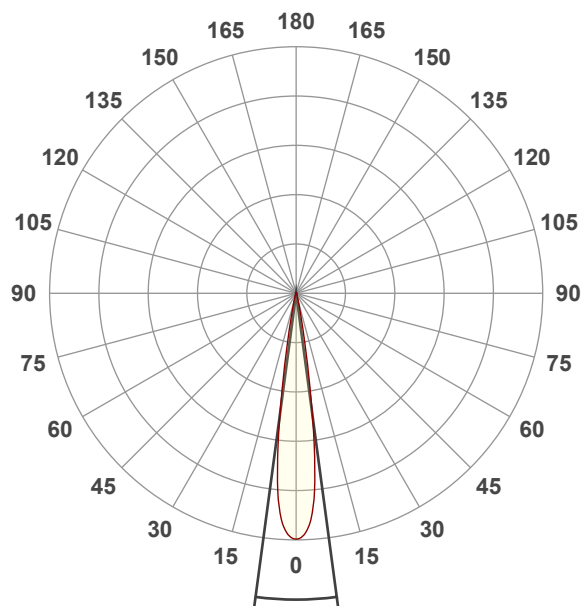
MEASURAMENT CONDITIONS:

Beam angle:
Wash 1530 Min Zoom

Target:
Full On

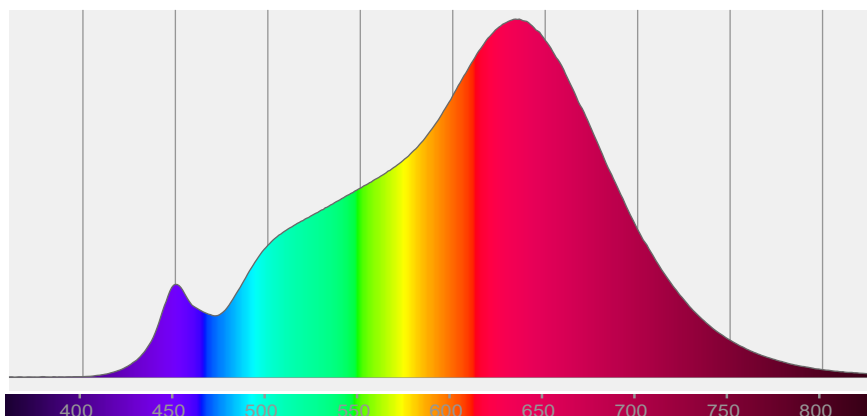
Operator:
Giacomo Matteo

Date and time:
18/06/2024 10:01:48

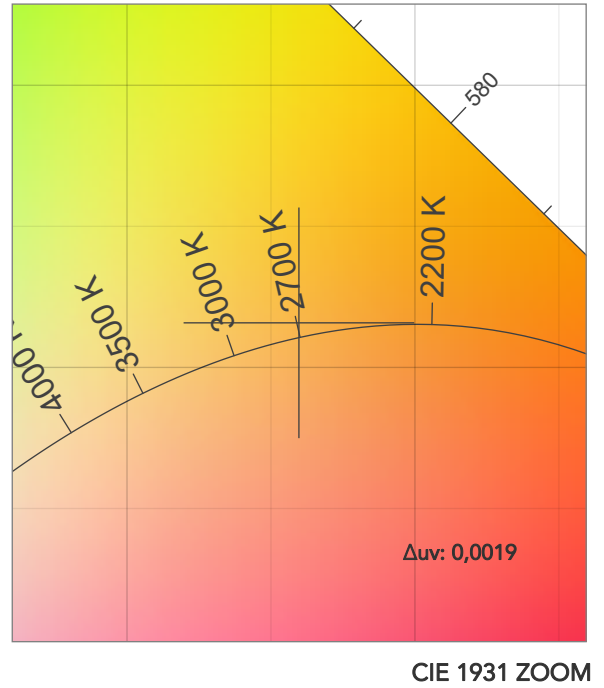
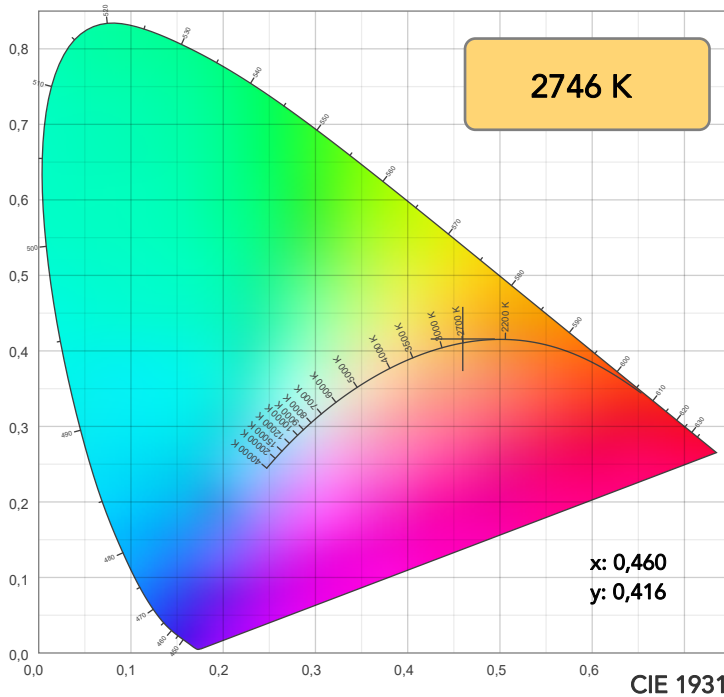


Beam angle 50%: 15,2°
Field angle 10%: 23,5°
Cut off angle 2.5%: 33,2°

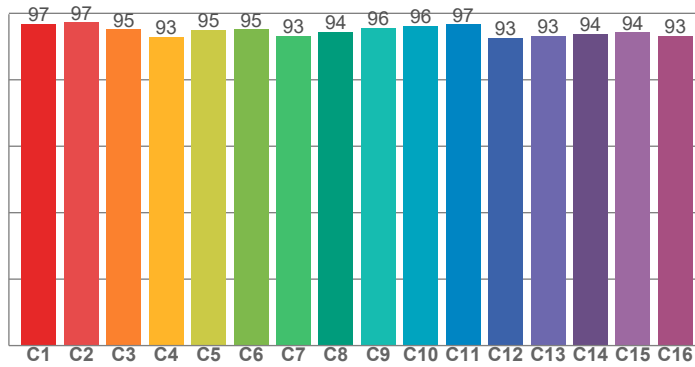
Spectra



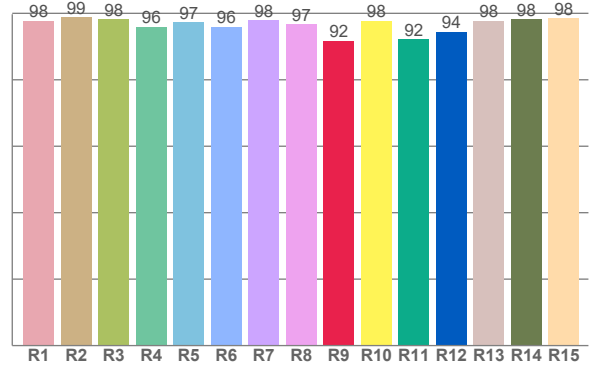
COLOR DETAILS



TM30: 95,0



CRI: 97,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,8	98,8	98,2	96,0	97,4	96,0	97,9	96,7	91,7	97,7	92,1	94,4	97,8	98,2	98,4

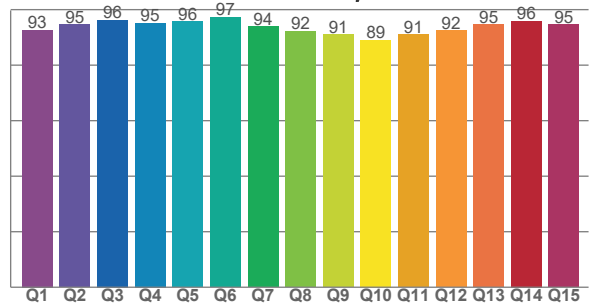
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,6	94,6	96,3	95,1	95,8	97,3	93,9	92,2	91,0	89,0	91,0	92,4	94,6	95,9	94,7

CQS: 93,2



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2746 K	97,3	91,7	95,0	98,9	93,2	97	0,460	0,416	0,0019

TM30 DETAILS

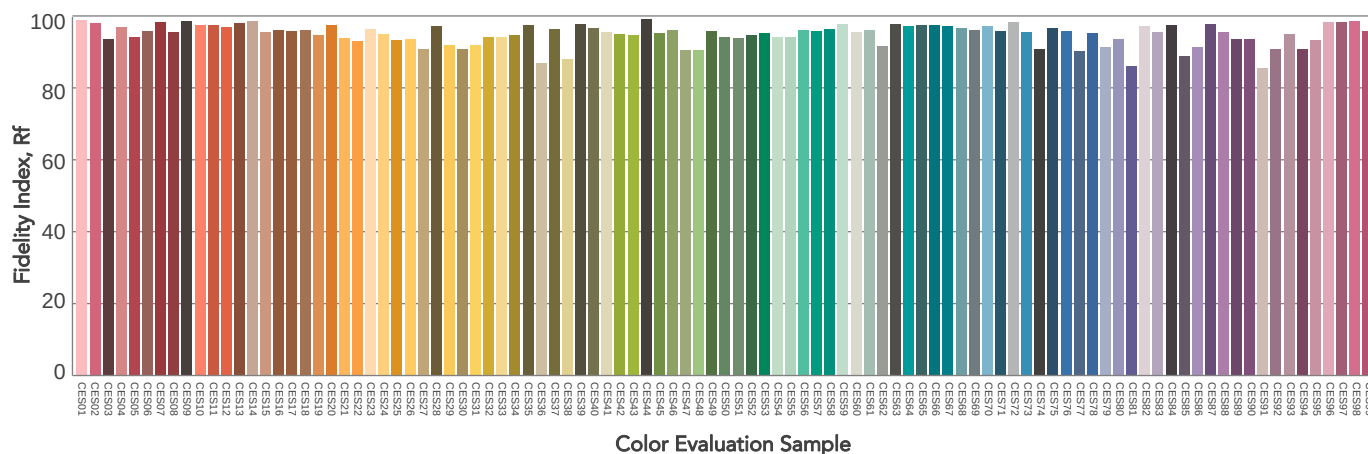
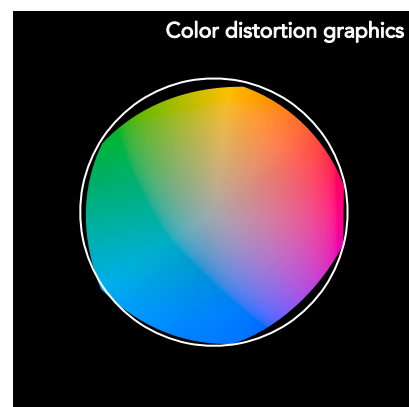
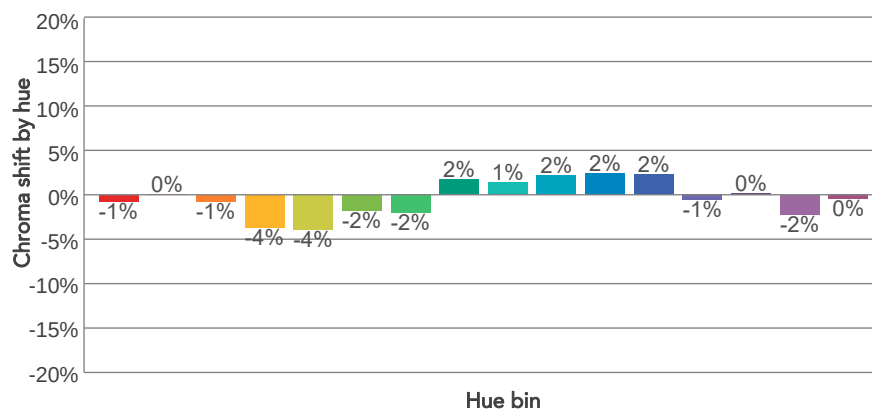
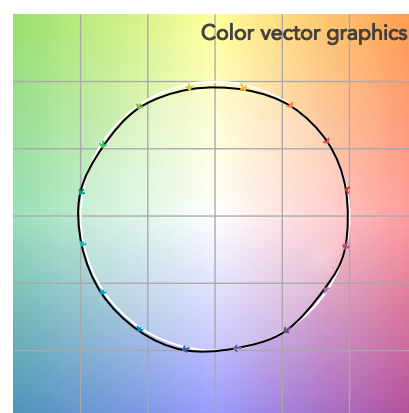
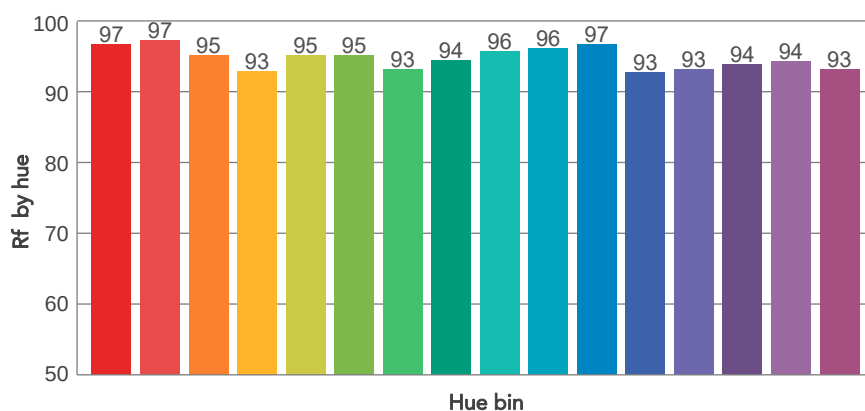
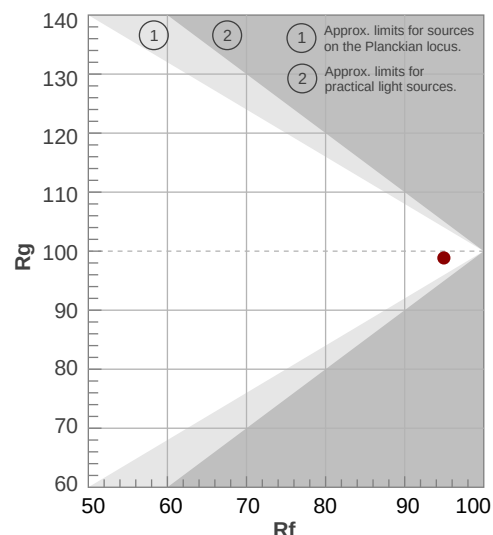
Rf 95,0

Fidelity index Rf

Rg 98,9

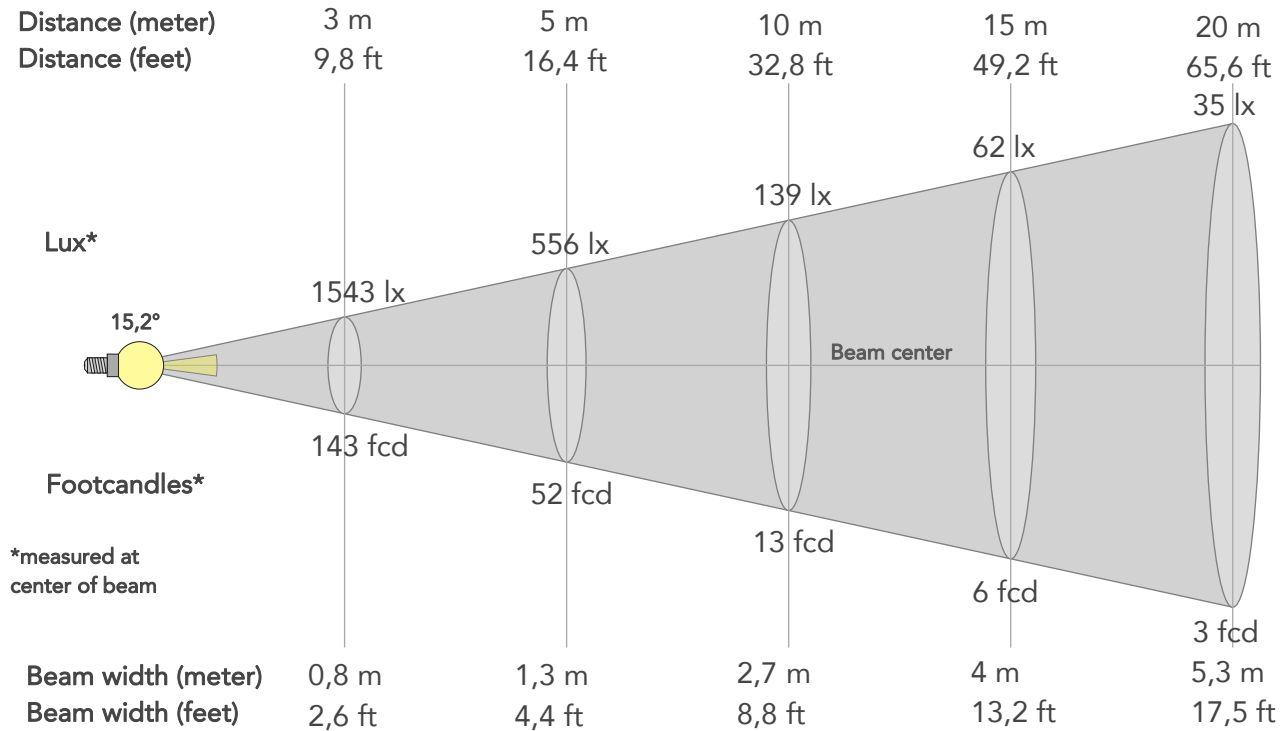
Gammut index

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



BEAM DETAILS

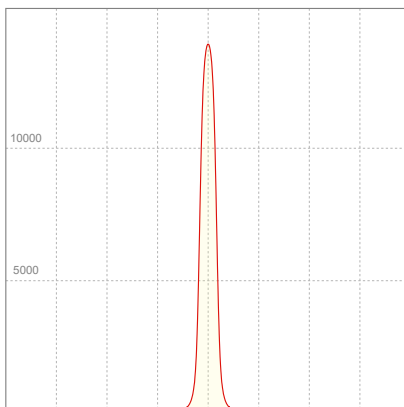
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,2°	23,5°	33,2°	99,0%	98,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	13889lx	3472lx	1543lx	868lx	556lx	247lx	139lx	62lx	35lx	22lx	15lx	9lx	6lx
Footcand.	1290fcd	323fcd	143fcd	81fcd	52fcd	23fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	1fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,3m	2m	2,7m	4m	5,3m	6,7m	8m	10,7m	13,4m
Beam wid.	0,9ft	1,8ft	2,6ft	3,5ft	4,4ft	6,6ft	8,8ft	13,2ft	17,5ft	21,9ft	26,3ft	35,1ft	43,9ft

LINEAR DISTRIBUTION DIAGRAM

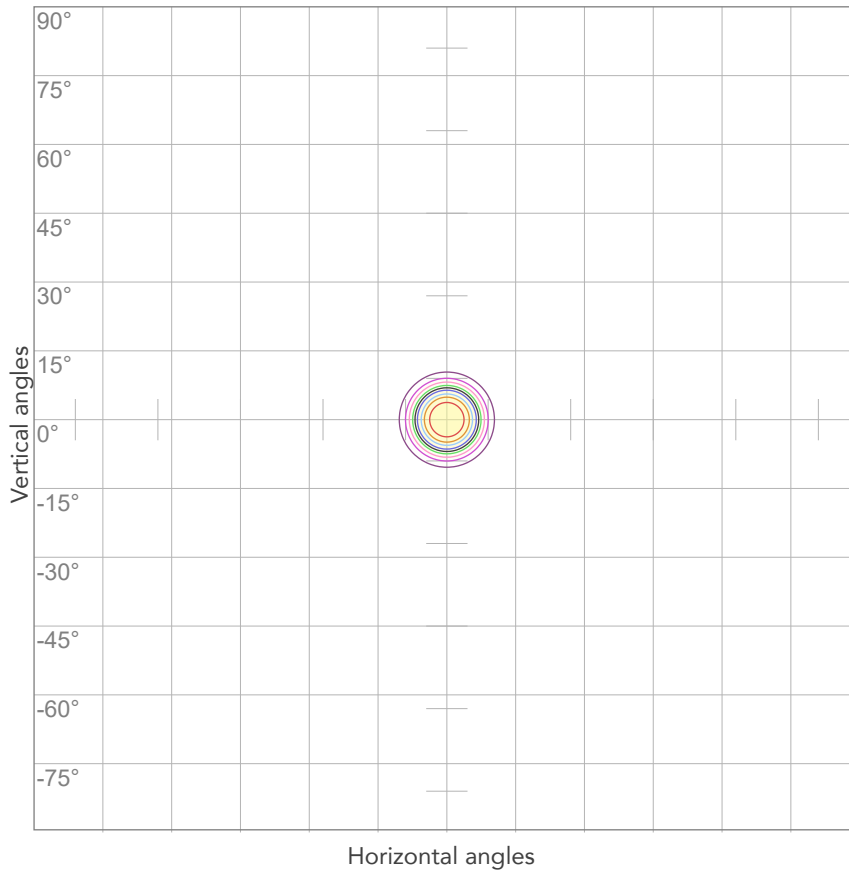


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,156A	33,4W	0,95	32lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



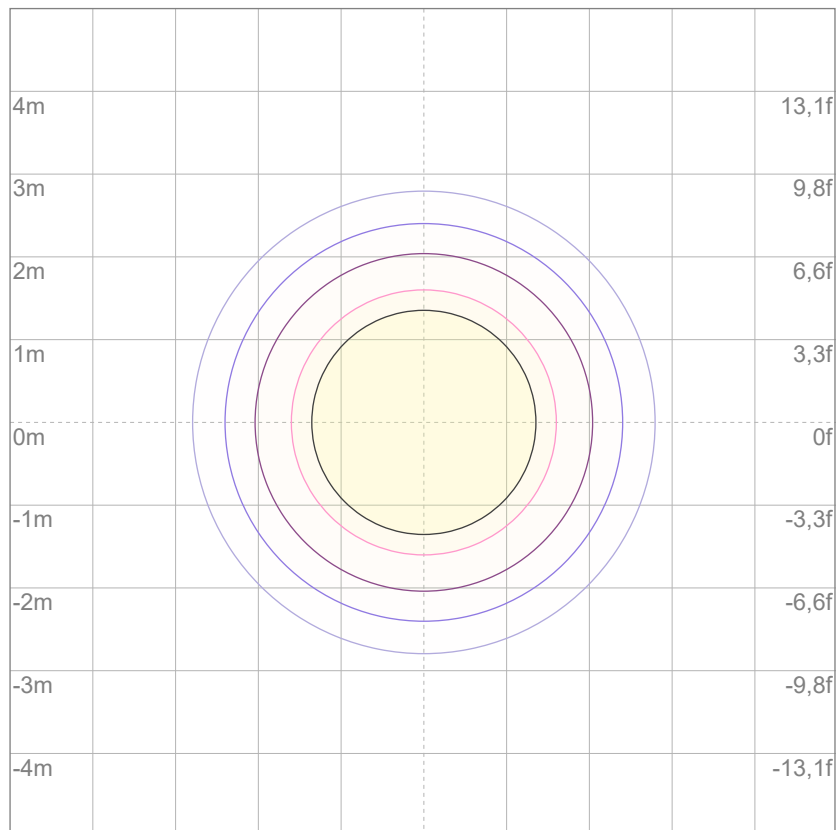
10%	1389 cd
20%	2778 cd
30%	4167 cd
40%	5556 cd
50%	6944 cd
60%	8333 cd
70%	9722 cd
80%	11111 cd

Conditions:

Number of c-planes: 2

Candela at center: 13889 cd

ISO LUX DIAGRAM



3%	4,17 lx
5%	6,94 lx
10%	13,9 lx
30%	41,7 lx
50%	69,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 139 lx

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



Total lumen output:

1454 lm

Peak candela output:

2023 cd

Light quality:

CRI: 97,6

Color temperature:

2775 K

PRODUCT NAME:
ECLDISPLAYCRMX27K

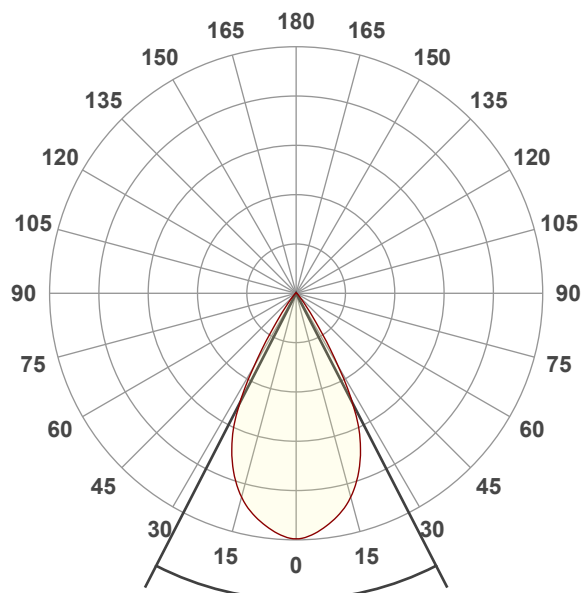
MEASURAMENT CONDITIONS:

Beam angle:
Wash 2550 Max Zoom

Target:
Full On

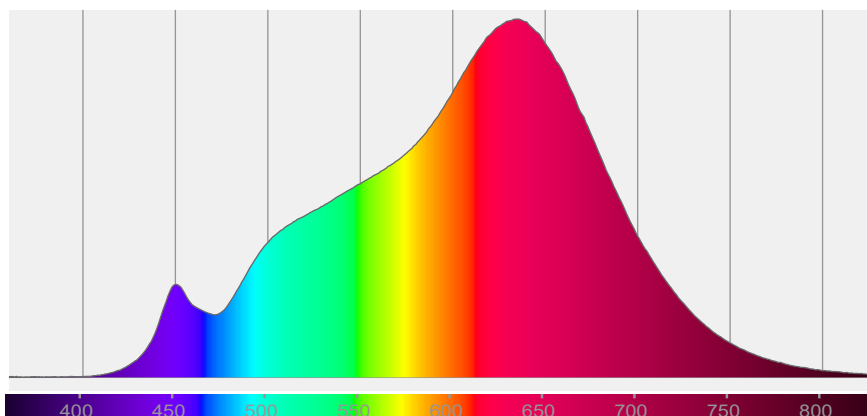
Operator:
Giacomo Matteo

Date and time:
18/06/2024 10:04:52

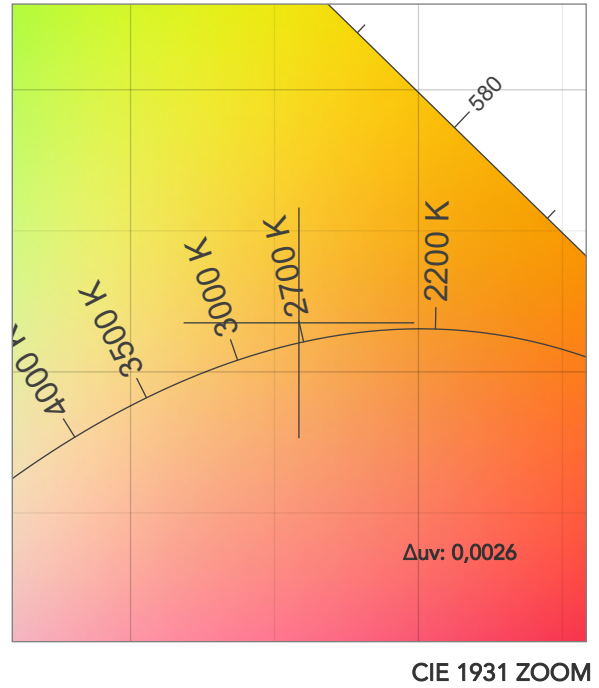
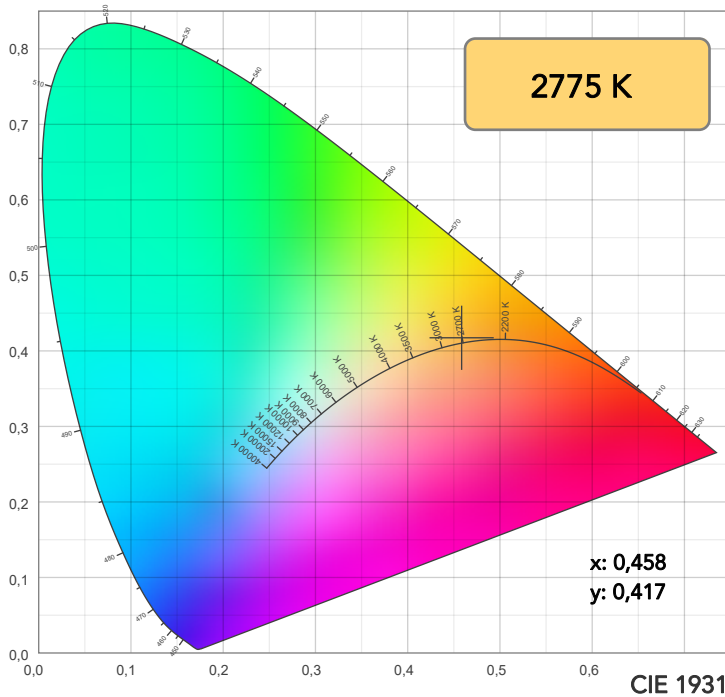


Beam angle 50%: 54,4°
Field angle 10%: 72,3°
Cut off angle 2.5%: 87,2°

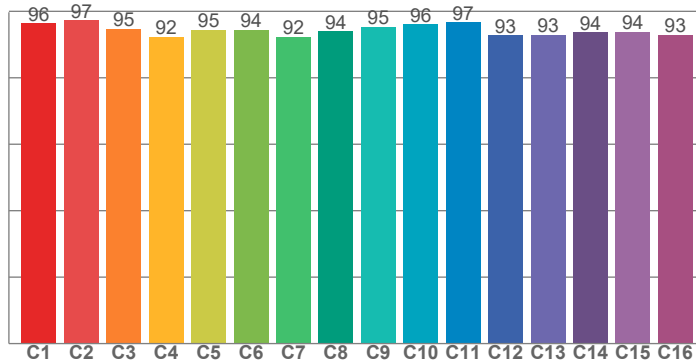
Spectra



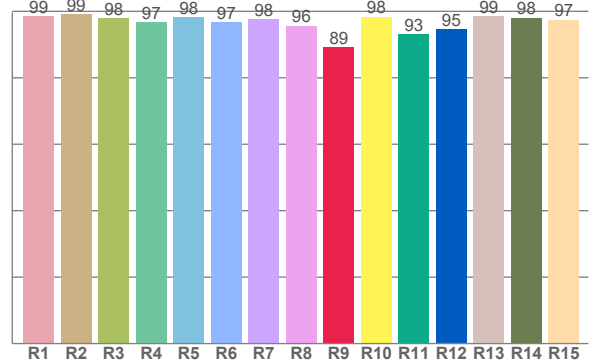
COLOR DETAILS



TM30: 94,6



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
98,6	99,1	98,0	96,6	98,3	96,8	97,6	95,7	89,2	98,4	93,2	94,5	98,5	98,1	97,5

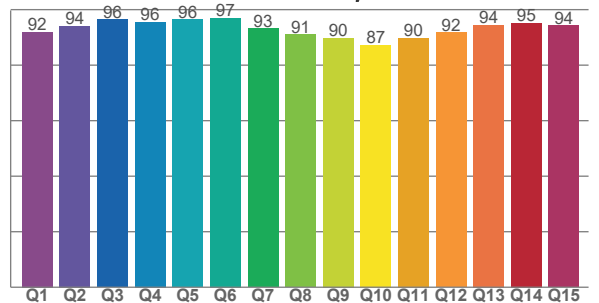
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,4	97,2	94,7	92,3	94,5	94,4	92,4	94,0	95,3	96,1	96,7	92,8	92,9	93,7	93,9	92,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,0	94,1	96,5	95,6	96,4	97,0	93,2	91,0	89,7	87,2	89,9	91,7	94,4	95,2	94,3

CQS: 92,5



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
2775 K	97,6	89,2	94,6	98,2	92,5	97	0,458	0,417	0,0026

TM30 DETAILS

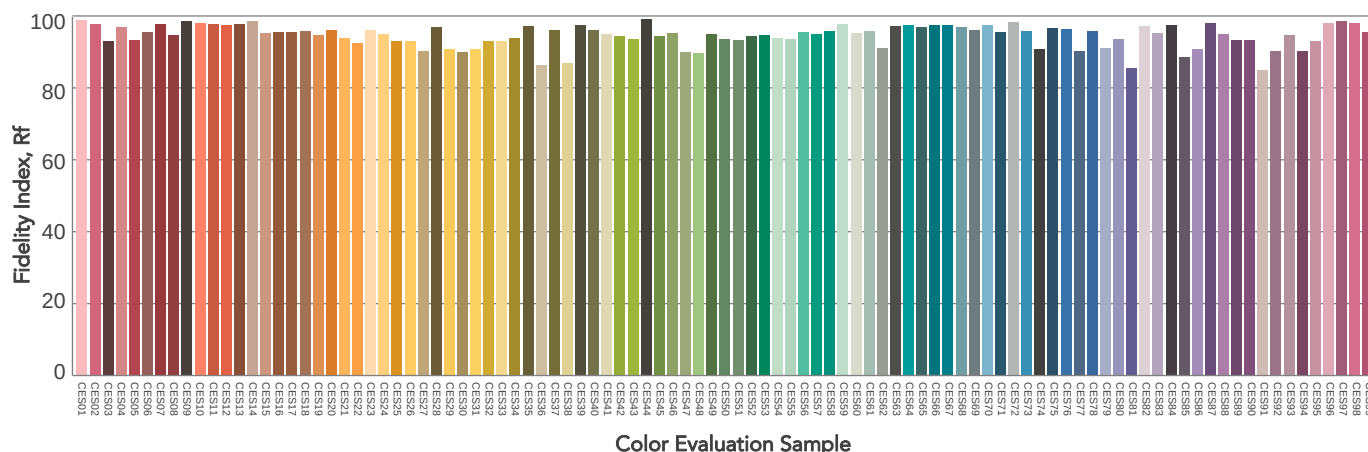
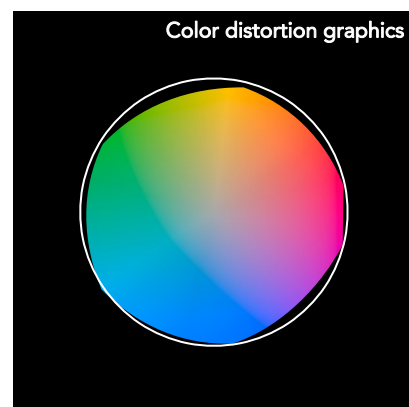
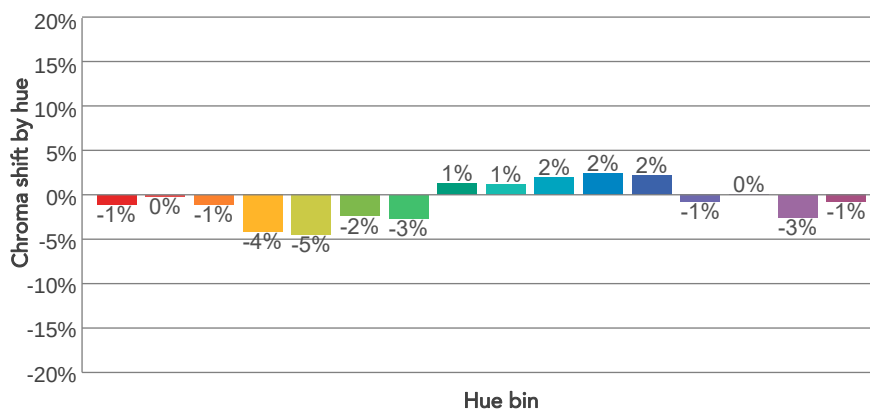
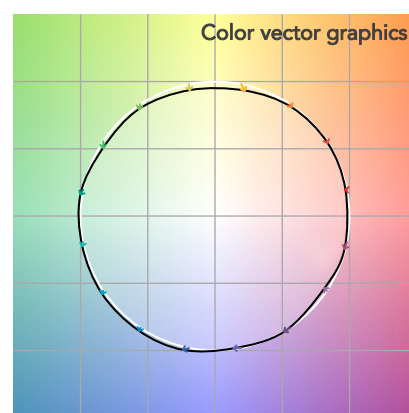
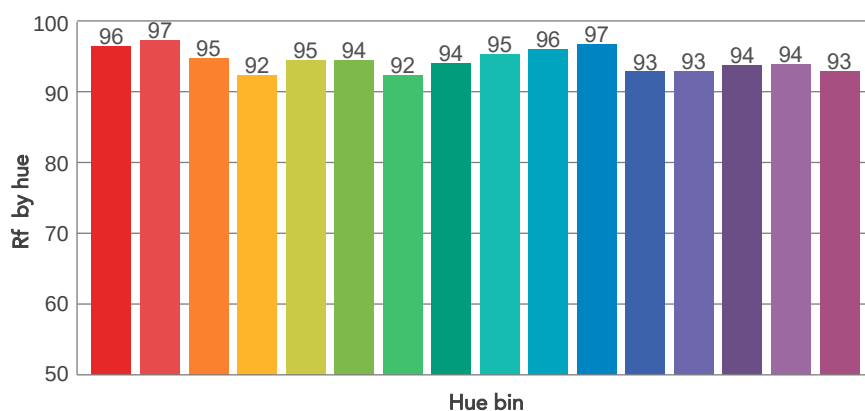
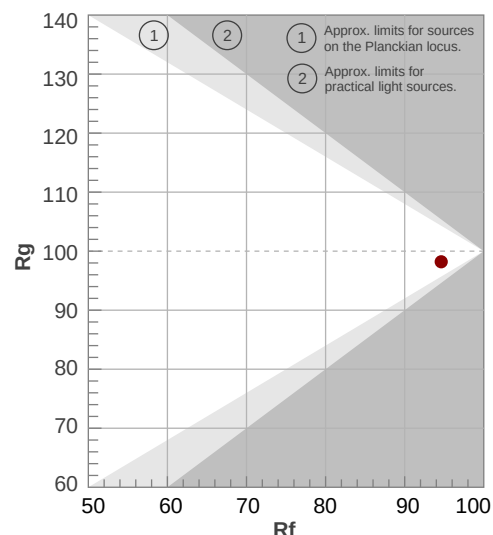
Rf 94,6

Fidelity index Rf

Rg 98,2

Gammut index

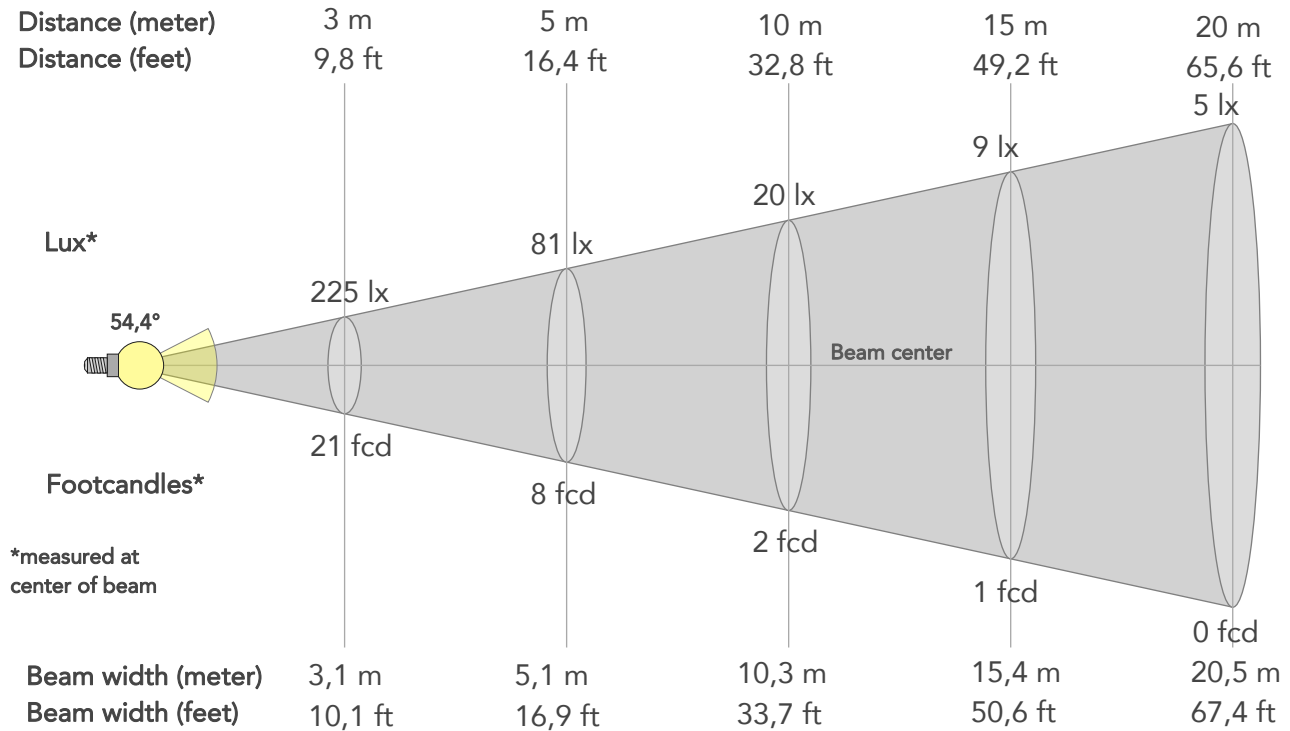
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	0%
2	97	0%	-1%
3	95	-1%	-2%
4	92	-4%	-4%
5	95	-5%	0%
6	94	-2%	3%
7	92	-3%	4%
8	94	1%	4%
9	95	1%	3%
10	96	2%	2%
11	97	2%	0%
12	93	2%	-4%
13	93	-1%	-6%
14	94	0%	-5%
15	94	-3%	0%
16	93	-1%	-5%



BEAM DETAILS



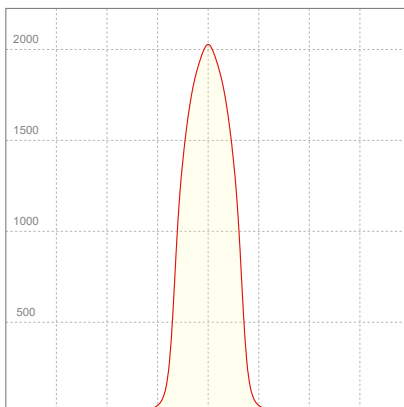
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
54,4°	72,3°	87,2°	99,0%	97,0%



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	2023lx	506lx	225lx	126lx	81lx	36lx	20lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	188fcd	47fcd	21fcd	12fcd	8fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
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	51,4m
Beam wid.	3,4ft	6,8ft	10,1ft	13,5ft	16,9ft	25,3ft	33,7ft	50,6ft	67,4ft	84,3ft	101,1ft	134,8ft	168,5ft

LINEAR DISTRIBUTION DIAGRAM

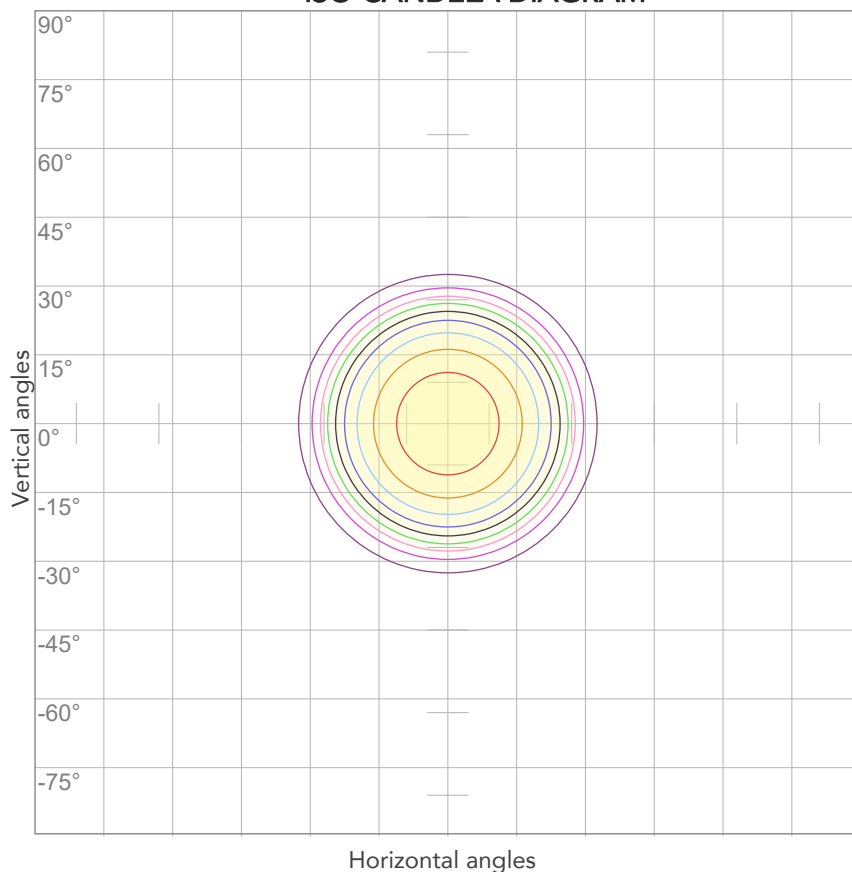


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,156A	33,4W	0,95	43lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



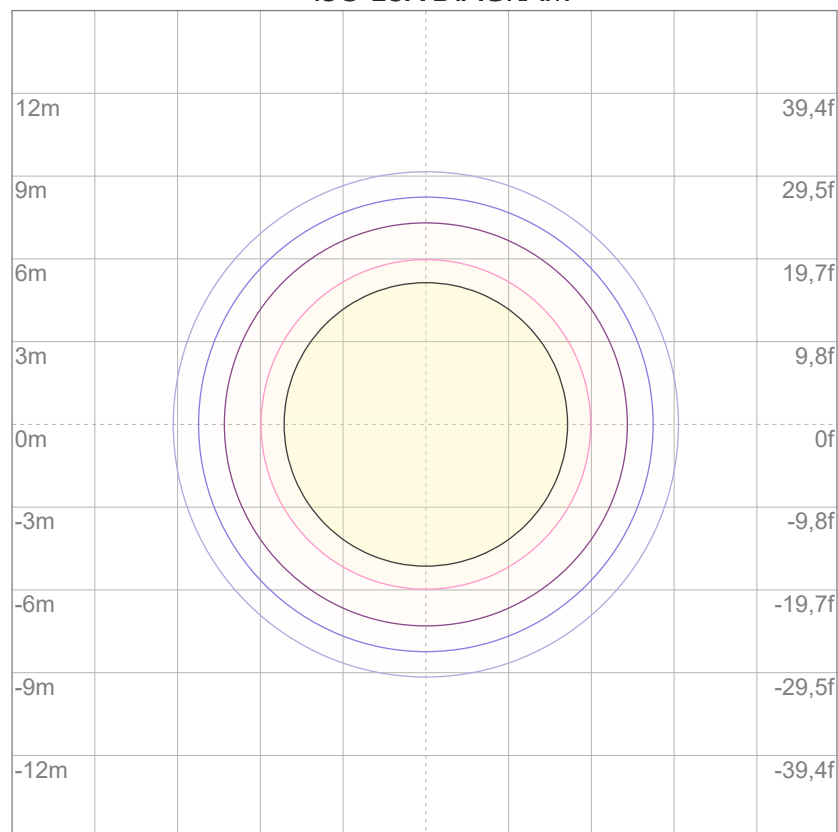
10%	202 cd
20%	405 cd
30%	607 cd
40%	809 cd
50%	1012 cd
60%	1214 cd
70%	1416 cd
80%	1619 cd

Conditions:

Number of c-planes: 2

Candela at center: 2023 cd

ISO LUX DIAGRAM



3%	0,607 lx
5%	1,01 lx
10%	2,02 lx
30%	6,07 lx
50%	10,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 20,2 lx

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



Total lumen output:

1000 lm

Peak candela output:

5730 cd

Light quality:

CRI: 97,4

Color temperature:

2757 K

PRODUCT NAME:
ECLDISPLAYCRMX27K

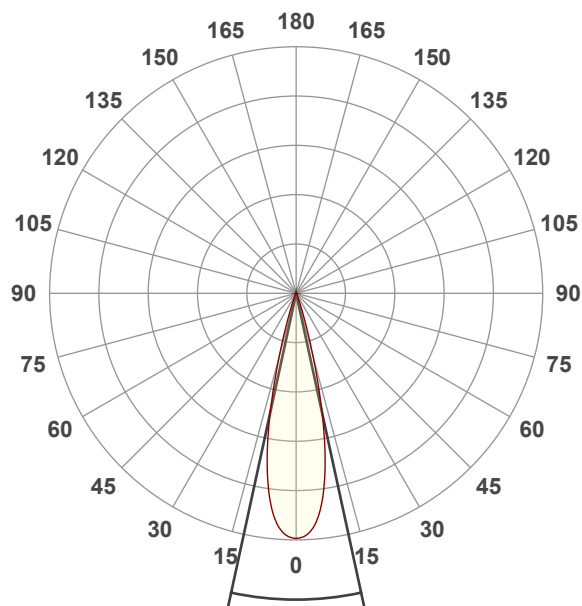
MEASURAMENT CONDITIONS:

Beam angle:
Wash 2550 Min Zoom

Target:
Full On

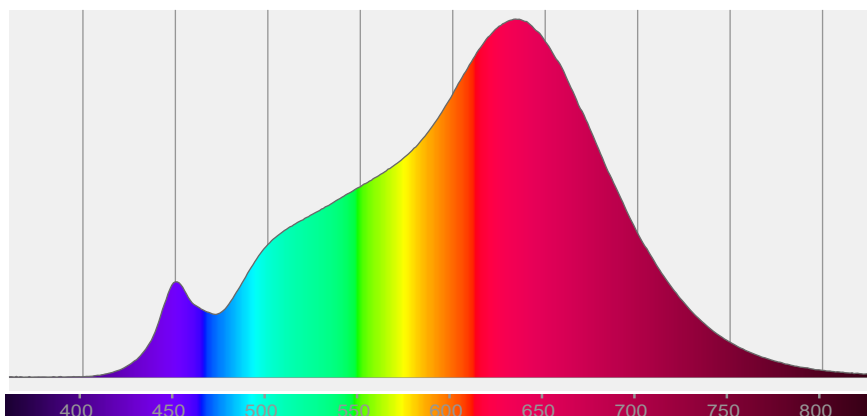
Operator:
Giacomo Matteo

Date and time:
18/06/2024 10:06:30

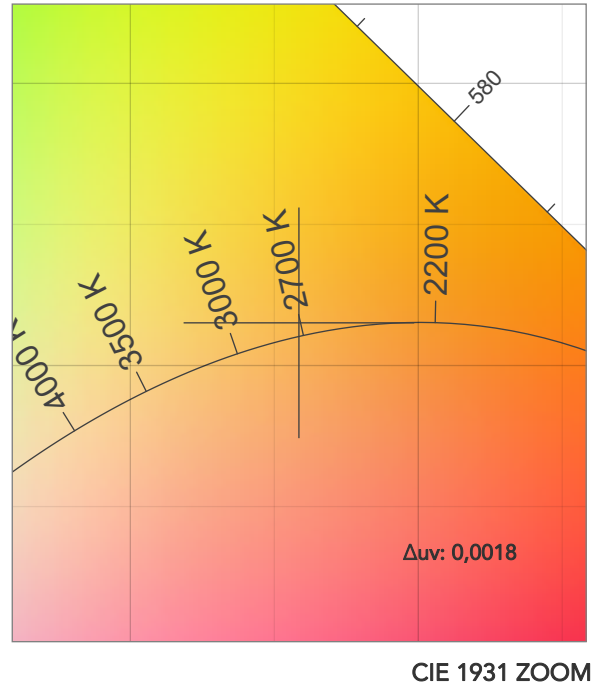
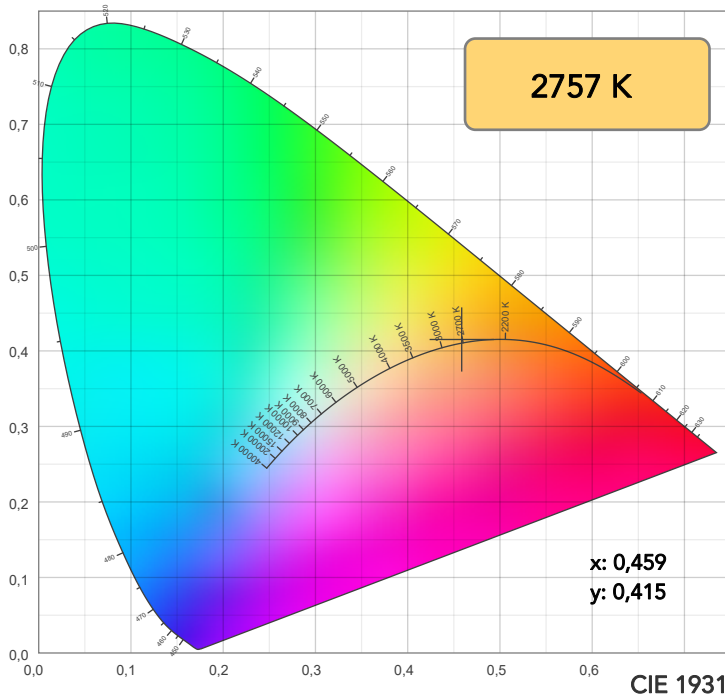


Beam angle 50%: 24,5°
Field angle 10%: 36,1°
Cut off angle 2.5%: 45,3°

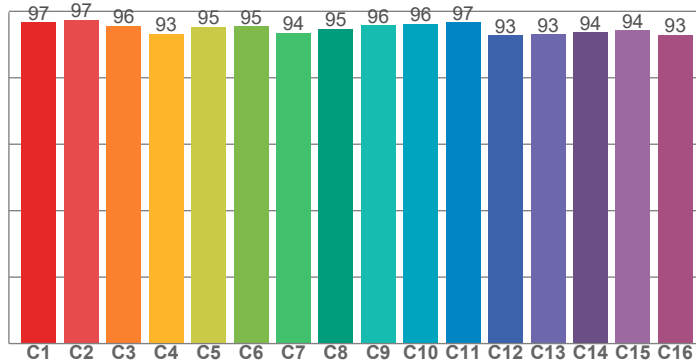
Spectra



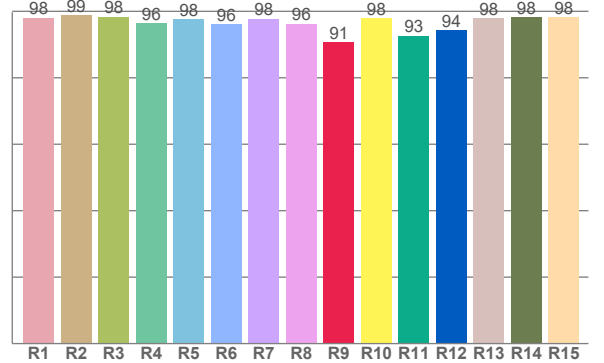
COLOR DETAILS



TM30: 95,1



CRI: 97,4 (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
98,1	98,9	98,4	96,4	97,7	96,1	97,7	96,2	90,7	98,0	92,7	94,3	98,0	98,2	98,2

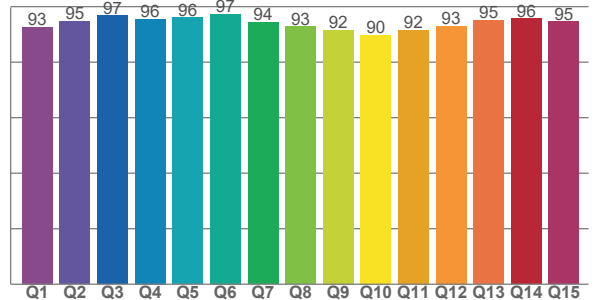
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,7	97,5	95,6	93,3	95,3	95,4	93,5	94,8	95,8	96,2	96,7	92,8	93,1	93,7	94,3	92,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,7	94,7	96,7	95,6	96,1	97,4	94,4	92,9	91,7	89,8	91,6	93,0	95,1	95,6	94,6

CQS: 93,6



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
2757 K	97,4	90,7	95,1	98,9	93,6	97	0,459	0,415	0,0018

TM30 DETAILS

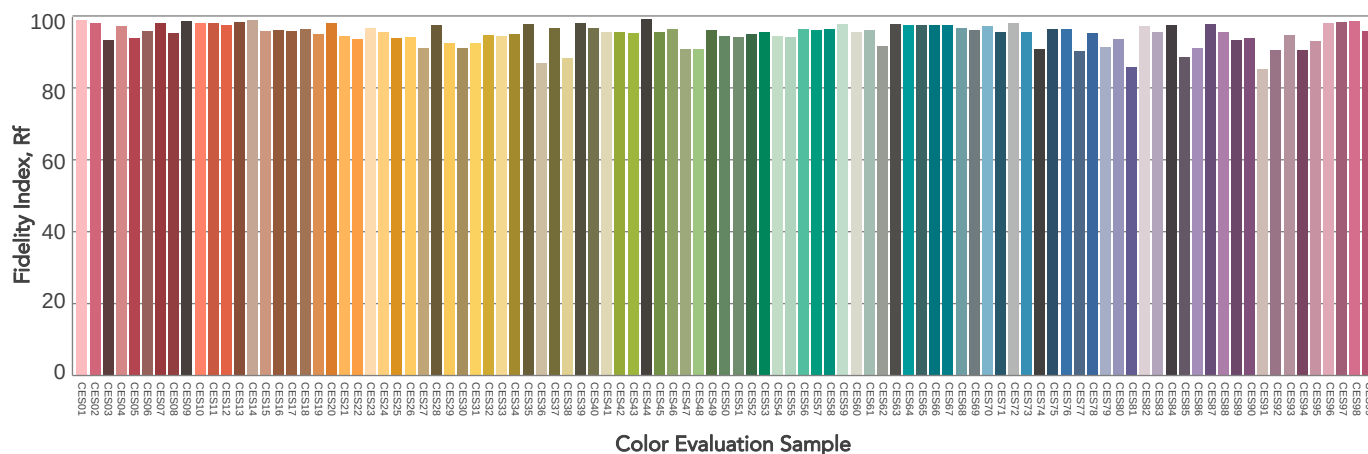
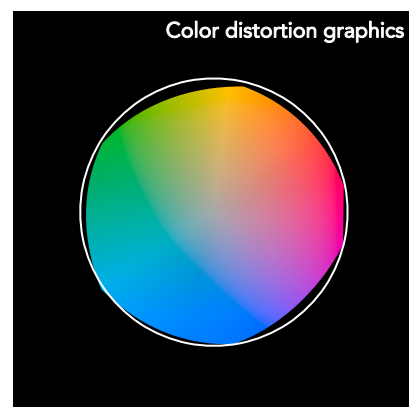
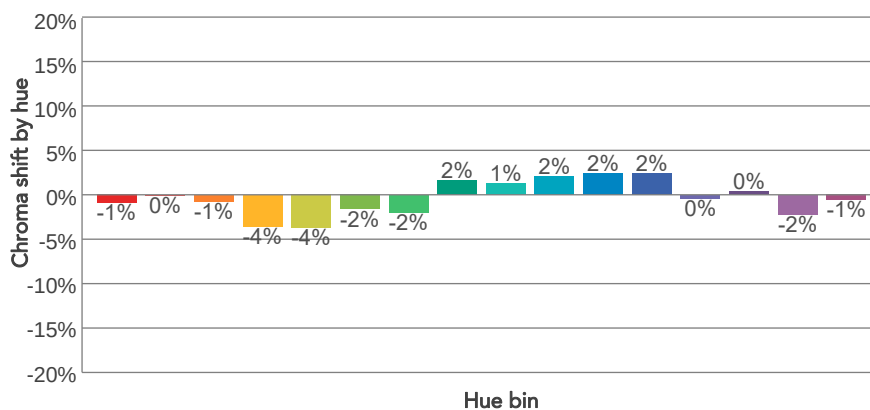
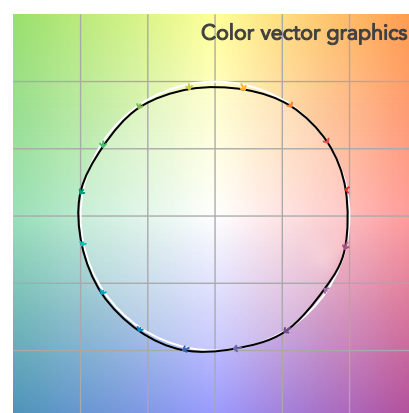
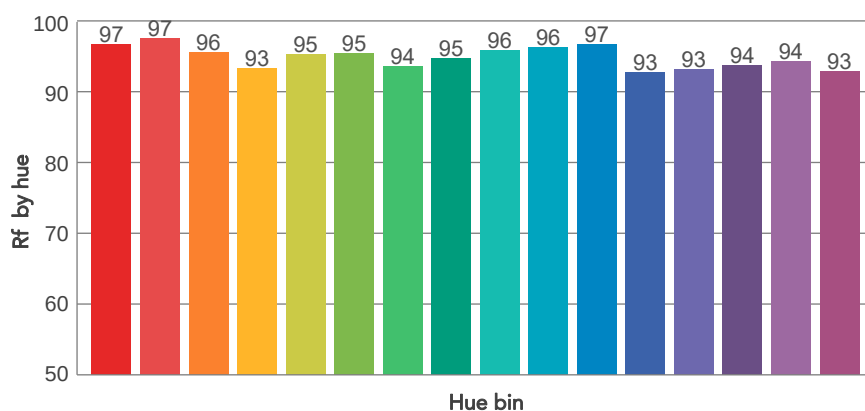
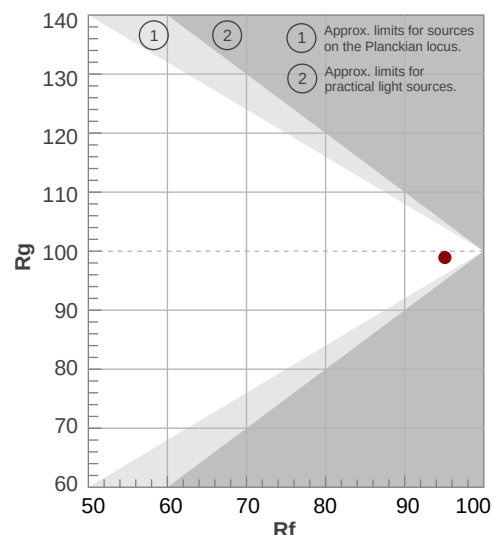
Rf 95,1

Fidelity index Rf

Rg 98,9

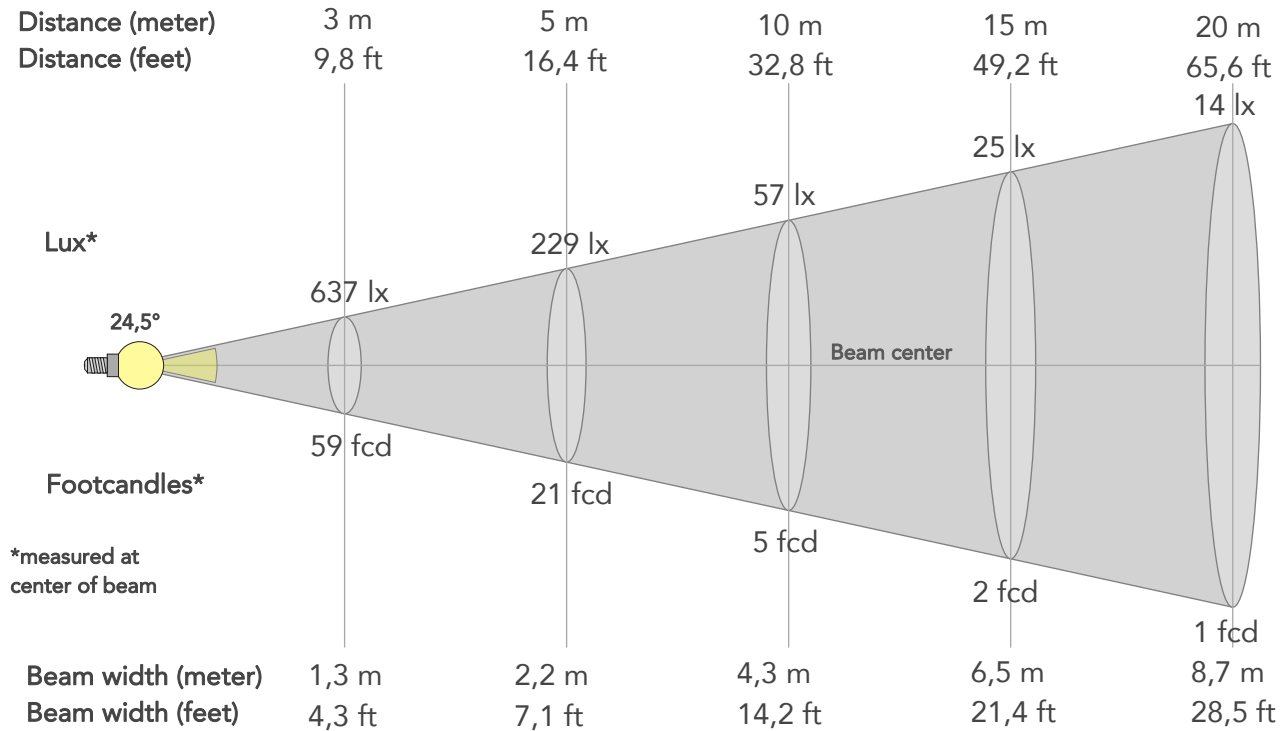
Gammut index

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



BEAM DETAILS

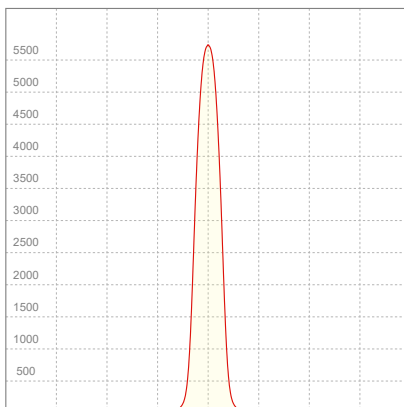
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24,5°	36,1°	45,3°	98,9%	97,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5730lx	1433lx	637lx	358lx	229lx	102lx	57lx	25lx	14lx	9lx	6lx	4lx	2lx
Footcand.	532fcd	133fcd	59fcd	33fcd	21fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,9m	1,3m	1,7m	2,2m	3,3m	4,3m	6,5m	8,7m	10,9m	13m	17,4m	21,7m
Beam wid.	1,4ft	2,9ft	4,3ft	5,7ft	7,1ft	10,7ft	14,2ft	21,4ft	28,5ft	35,6ft	42,7ft	57ft	71,2ft

LINEAR DISTRIBUTION DIAGRAM

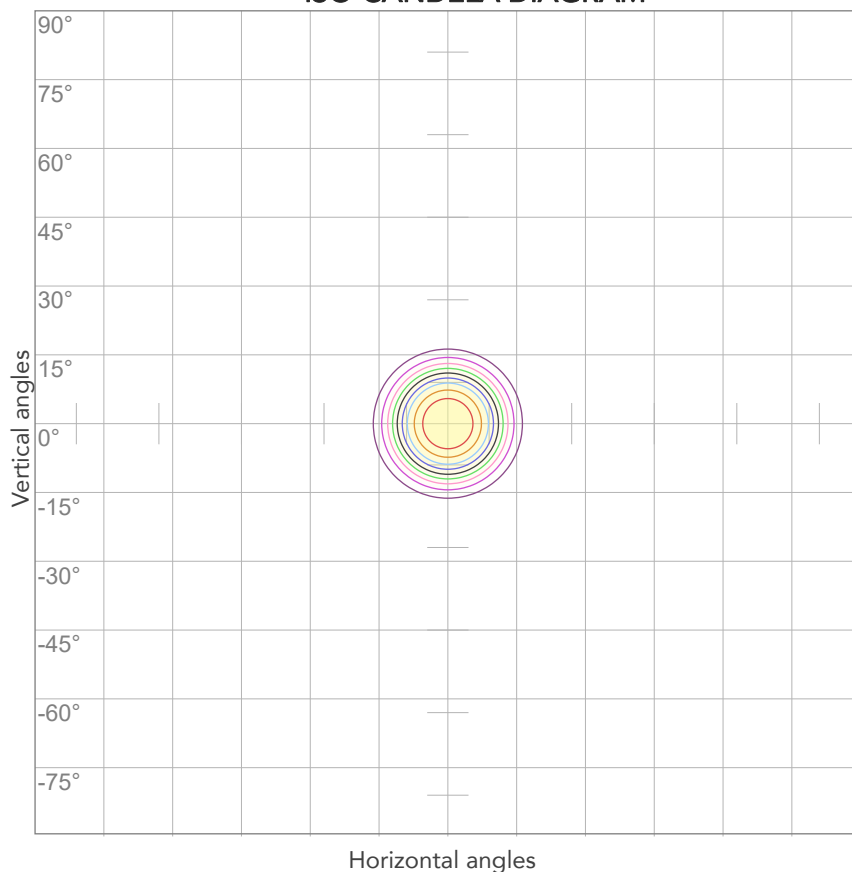


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,155A	33,4W	0,95	30lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



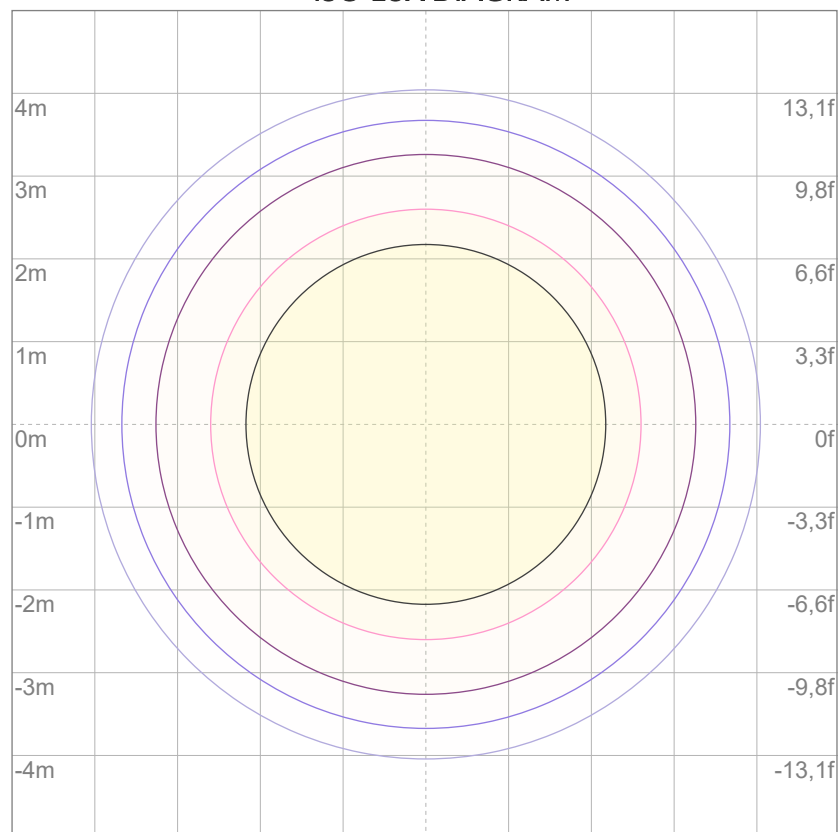
10%	573 cd
20%	1146 cd
30%	1719 cd
40%	2292 cd
50%	2865 cd
60%	3438 cd
70%	4011 cd
80%	4584 cd

Conditions:

Number of c-planes: 2

Candela at center: 5730 cd

ISO LUX DIAGRAM



3%	1,72 lx
5%	2,87 lx
10%	5,73 lx
30%	17,2 lx
50%	28,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 57,3 lx

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