

Photometric Test Report



EclDisplay CRMXWhite

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

(ECLDISPLAYCRMX40K)

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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:

1244 lm

Peak candela output:

94867 cd

Light quality:

CRI: 98,1

Color temperature:

4004 K

PRODUCT NAME:

ECLDISPLAYCRMX40K

MEASURAMENT CONDITIONS:

Beam angle:

Profile 8°

Target:

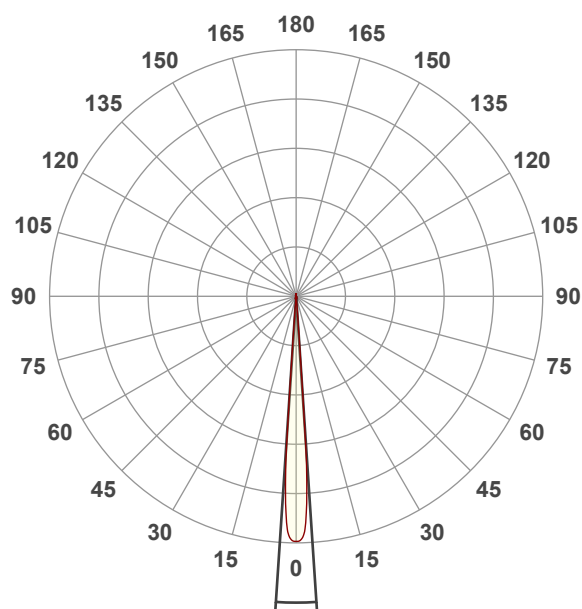
Full On

Operator:

Giacomo Matteo

Date and time:

18/06/2024 12:04:03

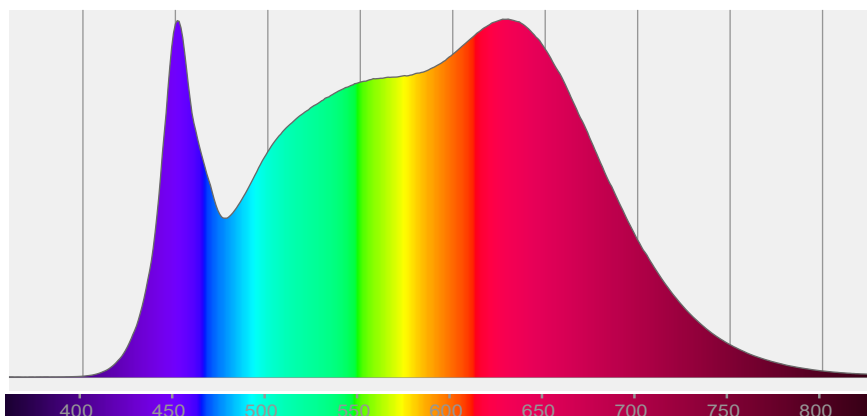


Beam angle 50%: 7,6°

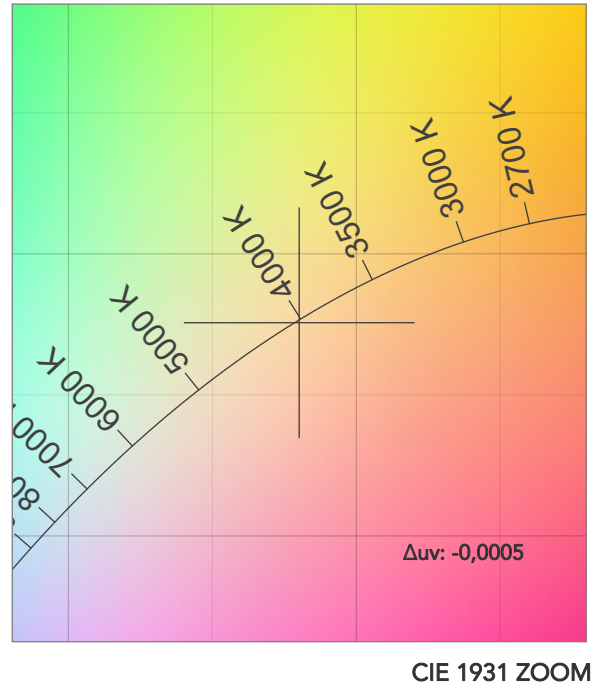
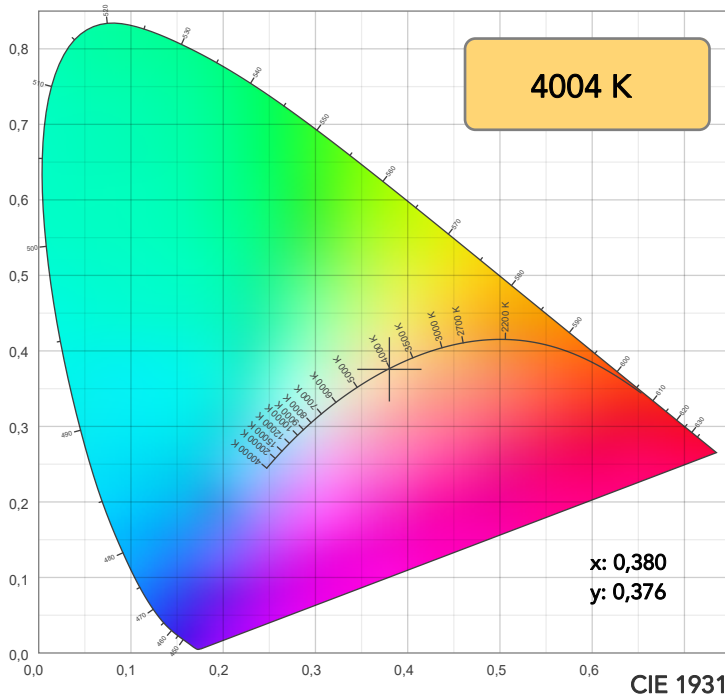
Field angle 10%: 8,7°

Cut off angle 2.5%: 9,2°

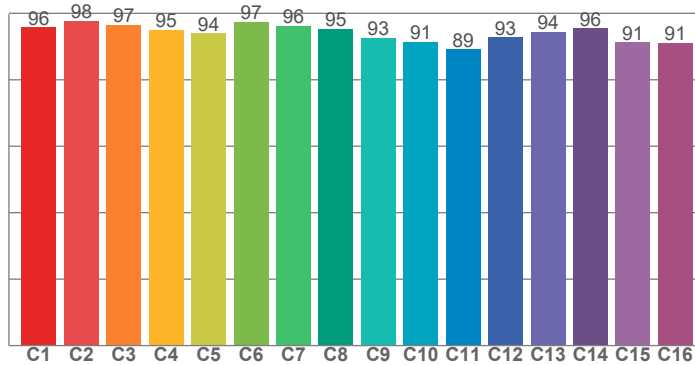
Spectra



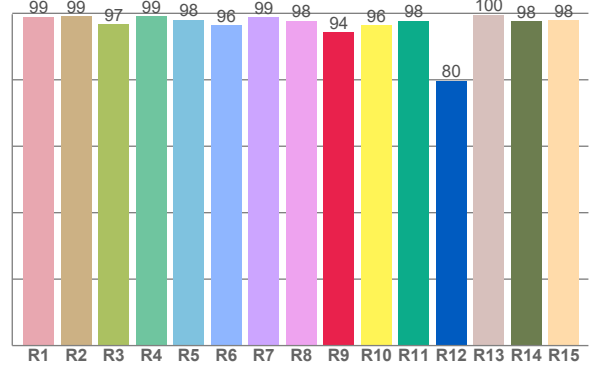
COLOR DETAILS



TM30: 94,1



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
99,0	99,1	96,6	99,2	98,1	96,4	98,8	97,8	94,3	96,5	97,8	79,7	99,6	97,6	97,8

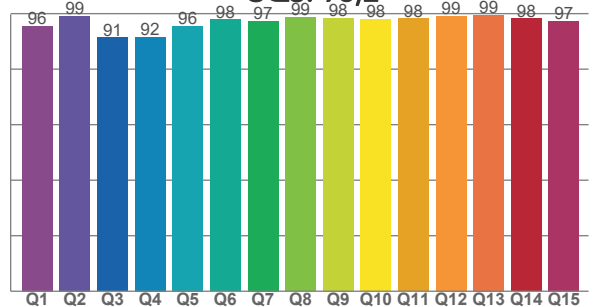
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,7	97,8	96,6	95,1	93,9	97,4	96,3	95,4	92,6	91,4	89,2	92,7	94,4	95,5	91,2	91,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,5	99,1	91,3	91,6	95,6	97,9	97,3	98,7	98,5	98,0	98,2	99,1	99,5	98,2	97,4

CQS: 96,2



COLOR PARAMETERS

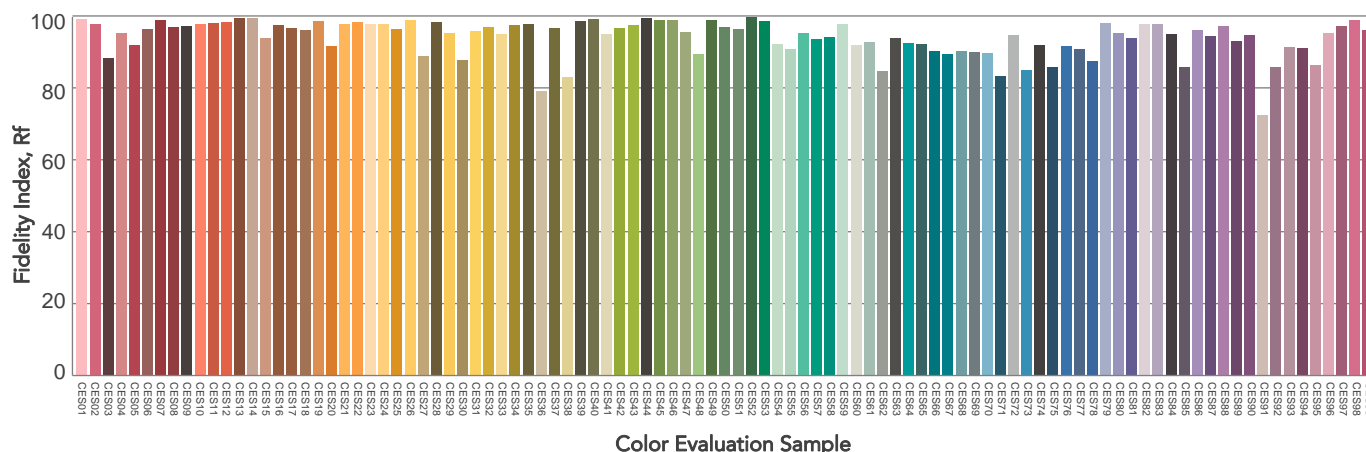
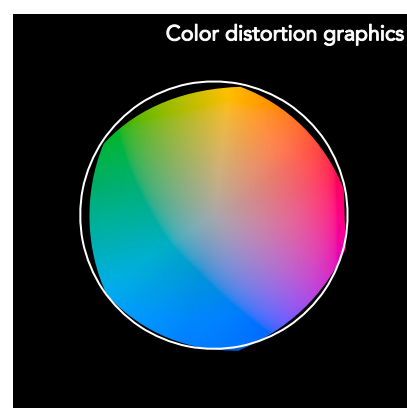
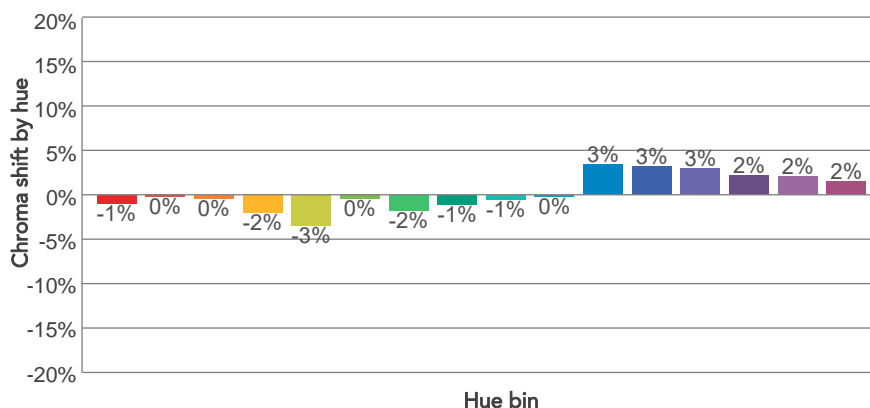
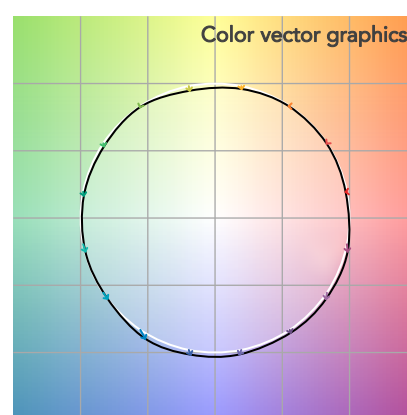
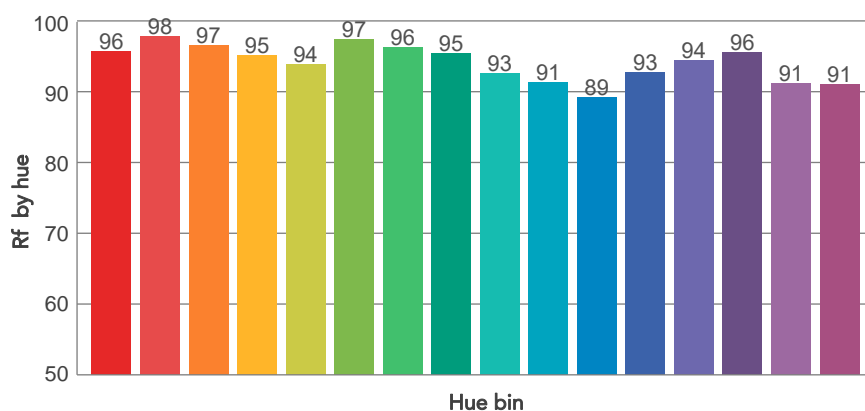
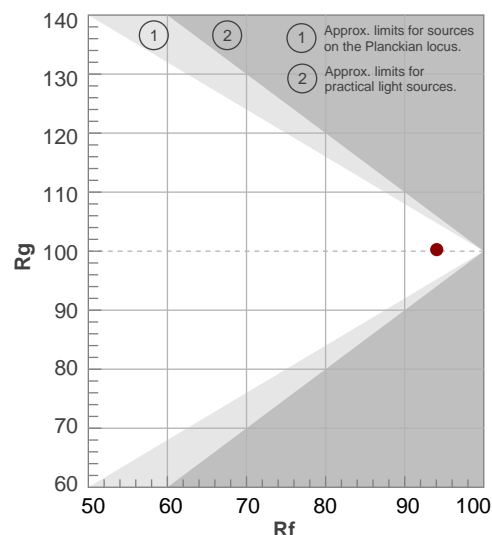
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4004 K	98,1	94,3	94,1	100,3	96,2	98	0,380	0,376	-0,0005

TM30 DETAILS

Rf 94,1
Fidelity index Rf

Rg 100,3
Gammut index

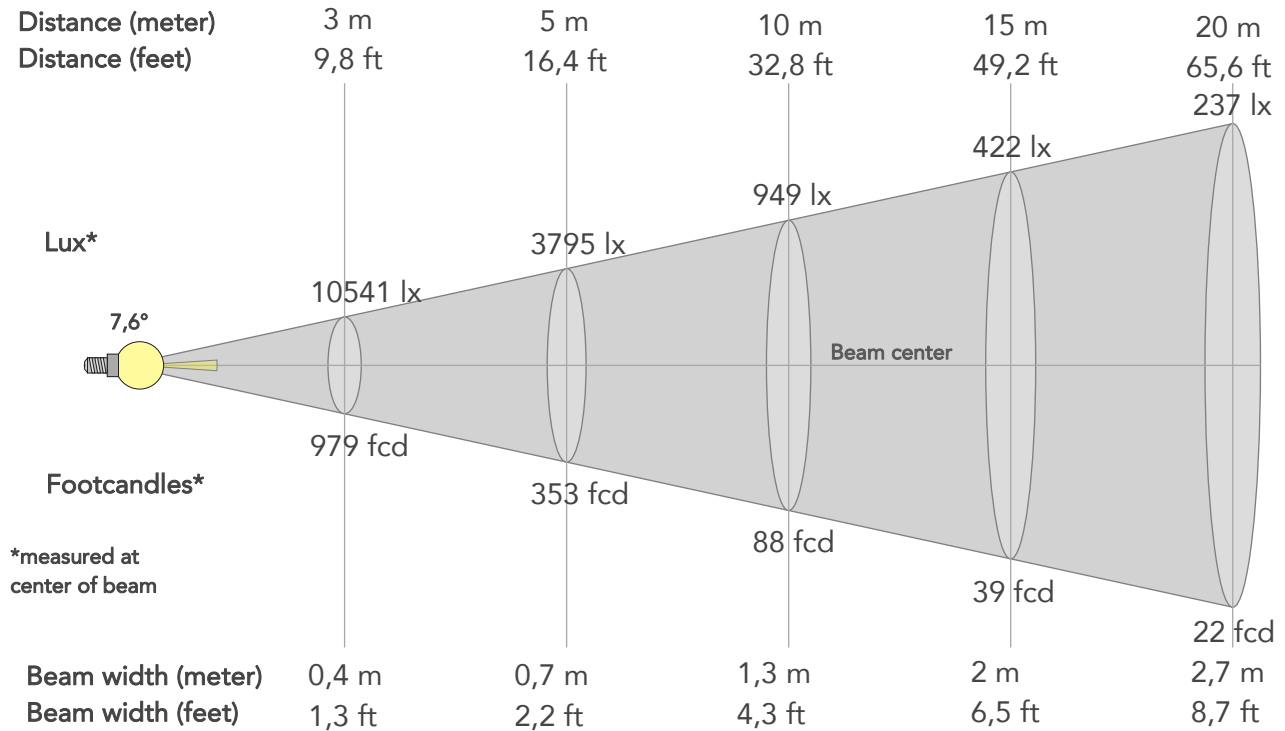
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	0%
2	98	0%	0%
3	97	0%	1%
4	95	-2%	-1%
5	94	-3%	0%
6	97	0%	1%
7	96	-2%	2%
8	95	-1%	3%
9	93	-1%	6%
10	91	0%	6%
11	89	3%	7%
12	93	3%	2%
13	94	3%	-2%
14	96	2%	-1%
15	91	2%	-4%
16	91	2%	-5%



BEAM DETAILS



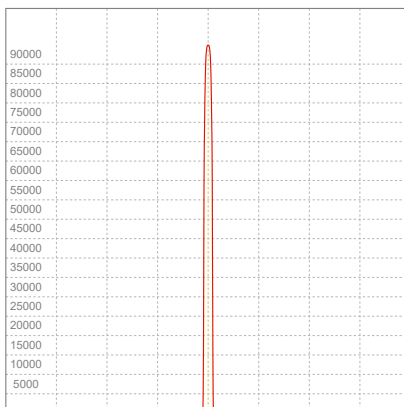
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
7,6°	8,7°	9,2°	99,6%	99,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	94867lx	23717lx	10541lx	5929lx	3795lx	1687lx	949lx	422lx	237lx	152lx	105lx	59lx	38lx
Footcand.	8813fcd	2203fcd	979fcd	551fcd	353fcd	157fcd	88fcd	39fcd	22fcd	14fcd	10fcd	6fcd	4fcd
Beam wid.	0,1m	0,3m	0,4m	0,5m	0,7m	1m	1,3m	2m	2,7m	3,3m	4m	5,3m	6,6m
Beam wid.	0,4ft	0,9ft	1,3ft	1,7ft	2,2ft	3,3ft	4,3ft	6,5ft	8,7ft	10,9ft	13ft	17,4ft	21,7ft

LINEAR DISTRIBUTION DIAGRAM

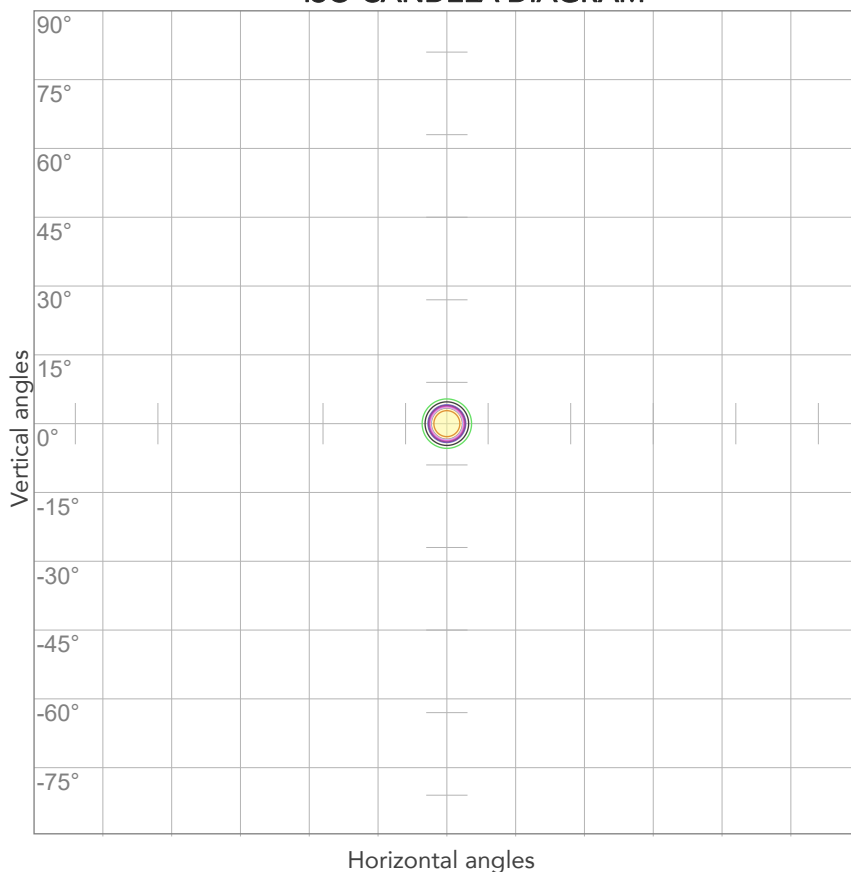


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,154A	33,3W	0,95	37lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



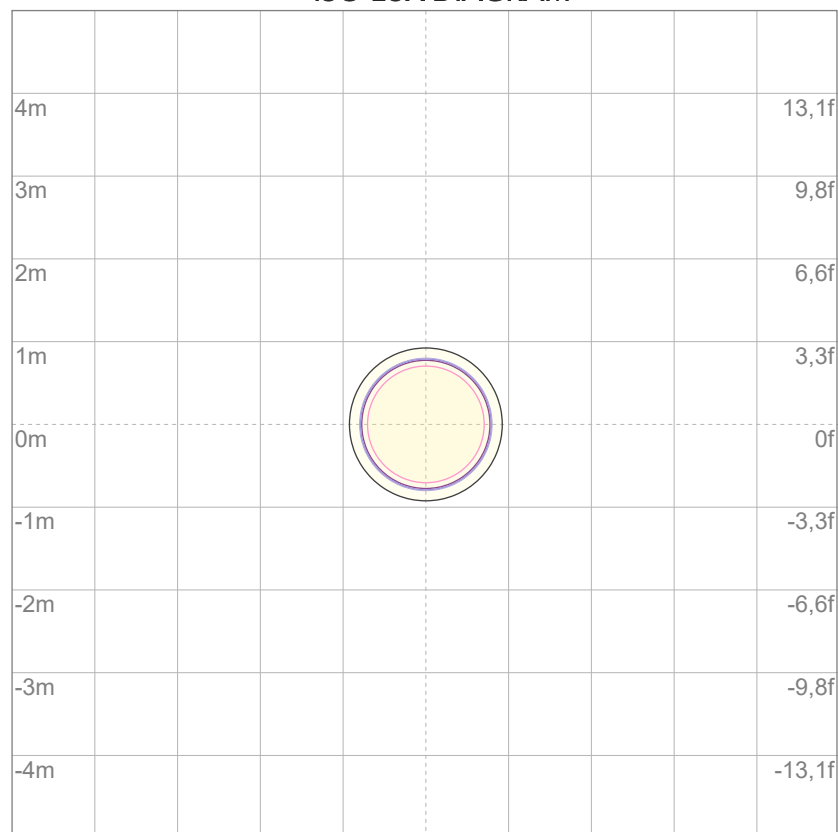
10%	9487 cd
20%	18973 cd
30%	28460 cd
40%	37947 cd
50%	47433 cd
60%	56920 cd
70%	66407 cd
80%	75893 cd

Conditions:

Number of c-planes: 2

Candela at center: 94867 cd

ISO LUX DIAGRAM



3%	28,5 lx
5%	47,4 lx
10%	94,9 lx
30%	285 lx
50%	474 lx

Conditions:

Number of c-planes: 2

Lux at center: 949 lx

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



Total lumen output:

1624 lm

Peak candela output:

27851 cd

Light quality:

CRI: 98,2

Color temperature:

3917 K

PRODUCT NAME:

ECLDISPLAYCRMX40K

MEASURAMENT CONDITIONS:

Beam angle:

Profile 18°

Target:

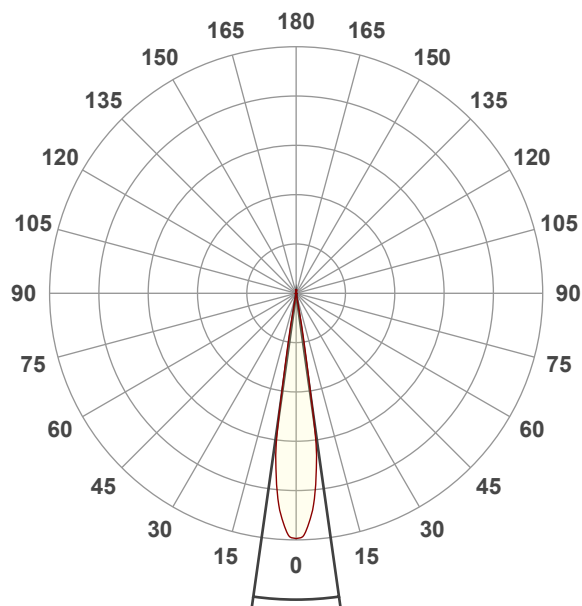
Full On

Operator:

Giacomo Matteo

Date and time:

18/06/2024 11:52:25

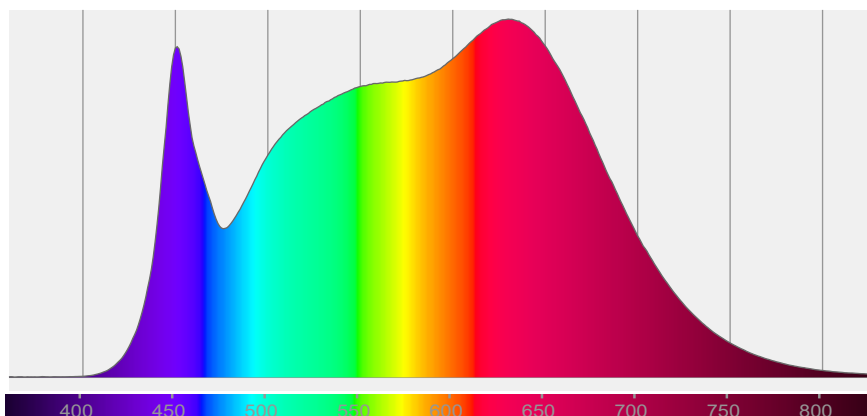


Beam angle 50%: 16,1°

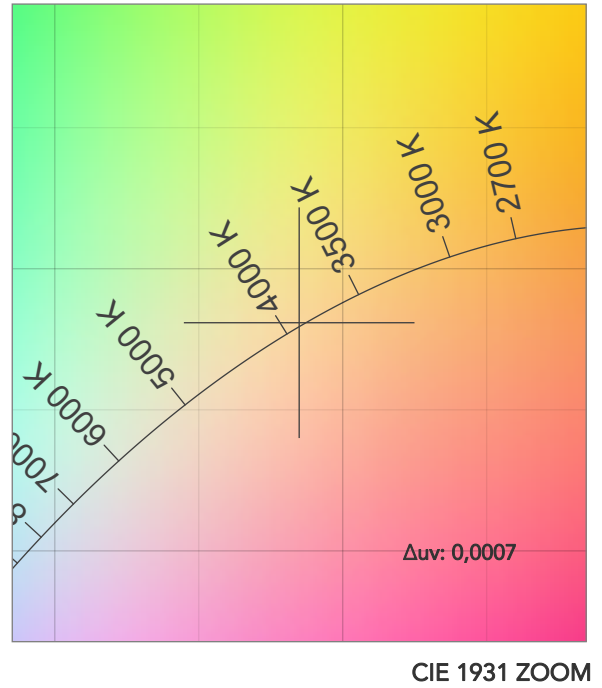
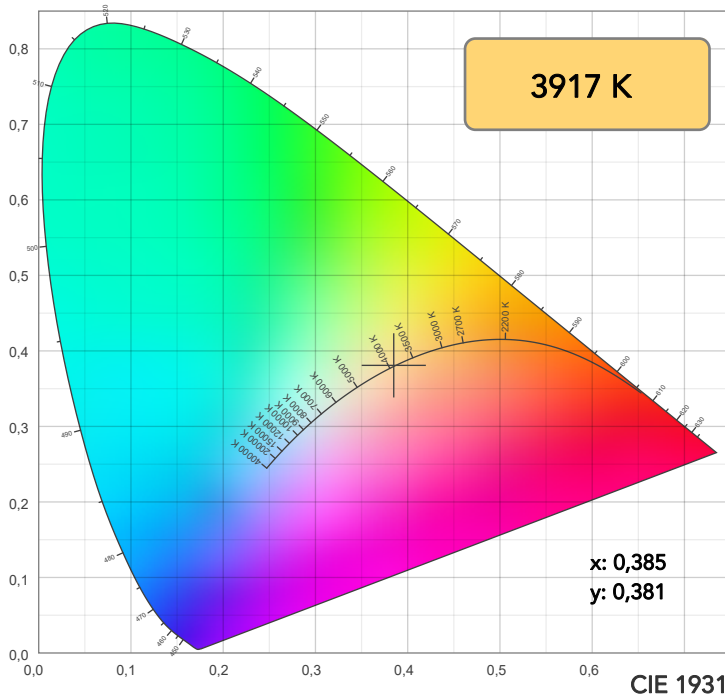
Field angle 10%: 19,9°

Cut off angle 2.5%: 21°

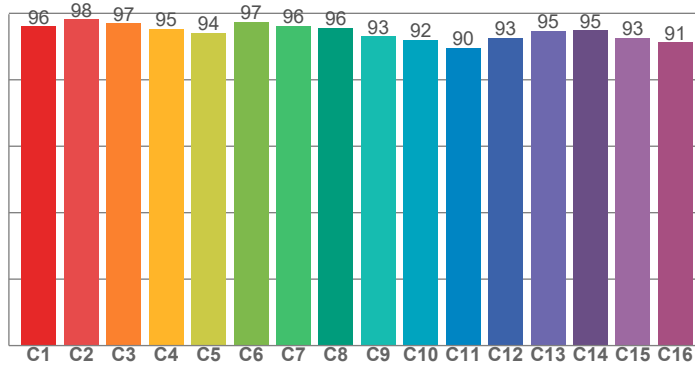
Spectra



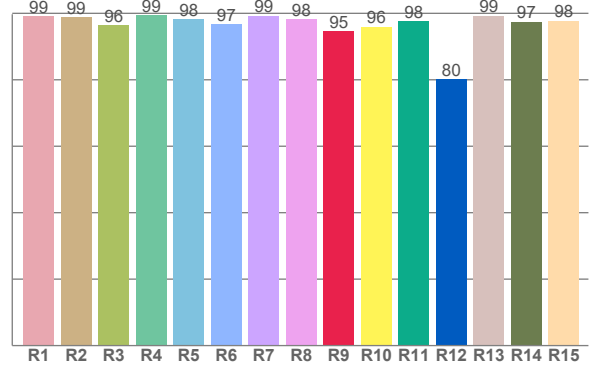
COLOR DETAILS



TM30: 94,4



CRI: 98,2 (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
99,1	98,8	96,3	99,5	98,2	96,6	99,3	98,1	94,6	95,9	97,7	80,2	99,3	97,4	97,8

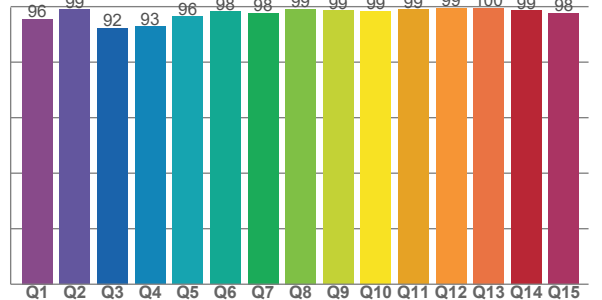
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,1	98,1	96,9	95,3	94,1	97,5	96,3	95,6	93,1	92,1	89,6	92,5	94,6	94,9	92,7	91,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,6	99,0	92,2	92,8	96,4	98,3	97,8	99,1	98,6	98,5	99,0	99,4	99,6	98,6	97,6

CQS: 96,6



COLOR PARAMETERS

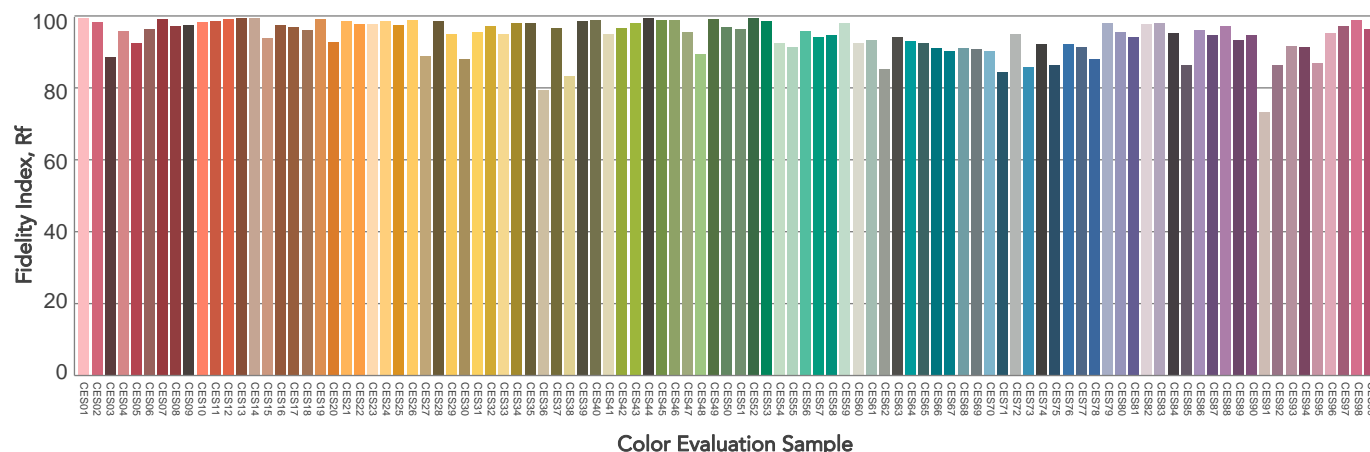
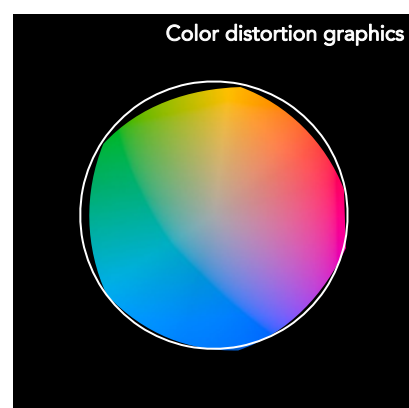
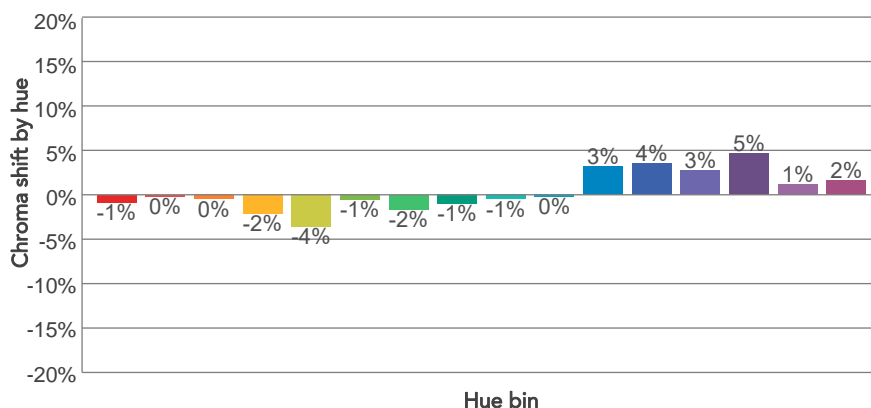
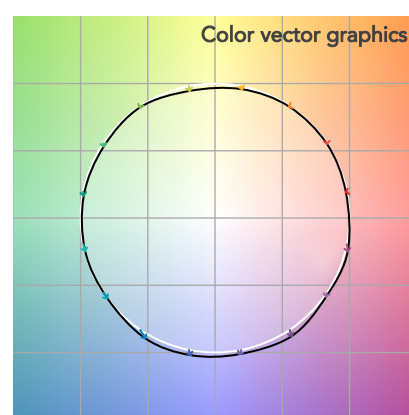
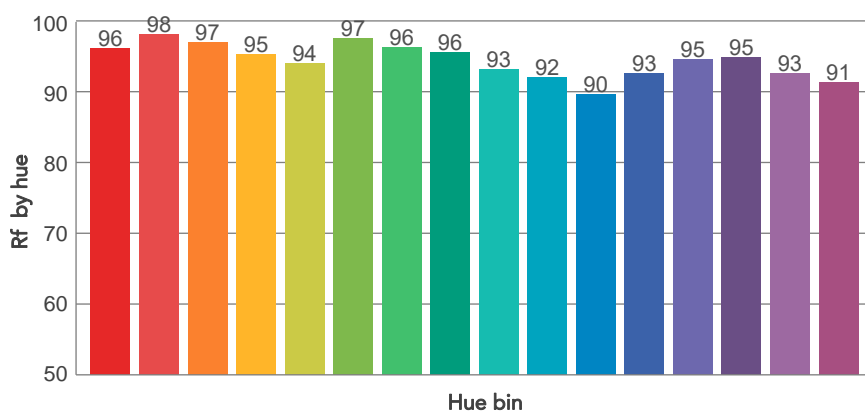
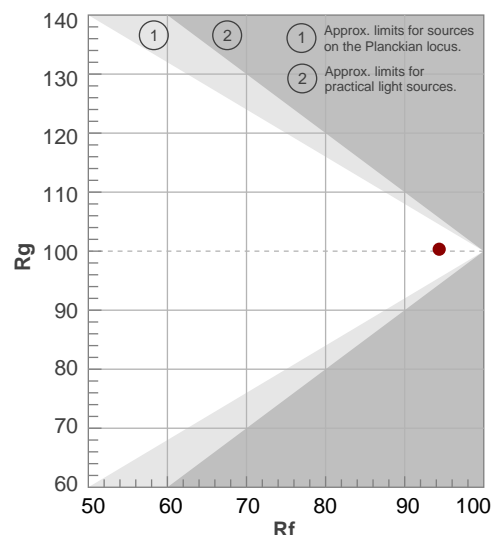
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3917 K	98,2	94,6	94,4	100,3	96,6	99	0,385	0,381	0,0007

TM30 DETAILS

Rf 94,4
Fidelity index Rf

Rg 100,3
Gammut index

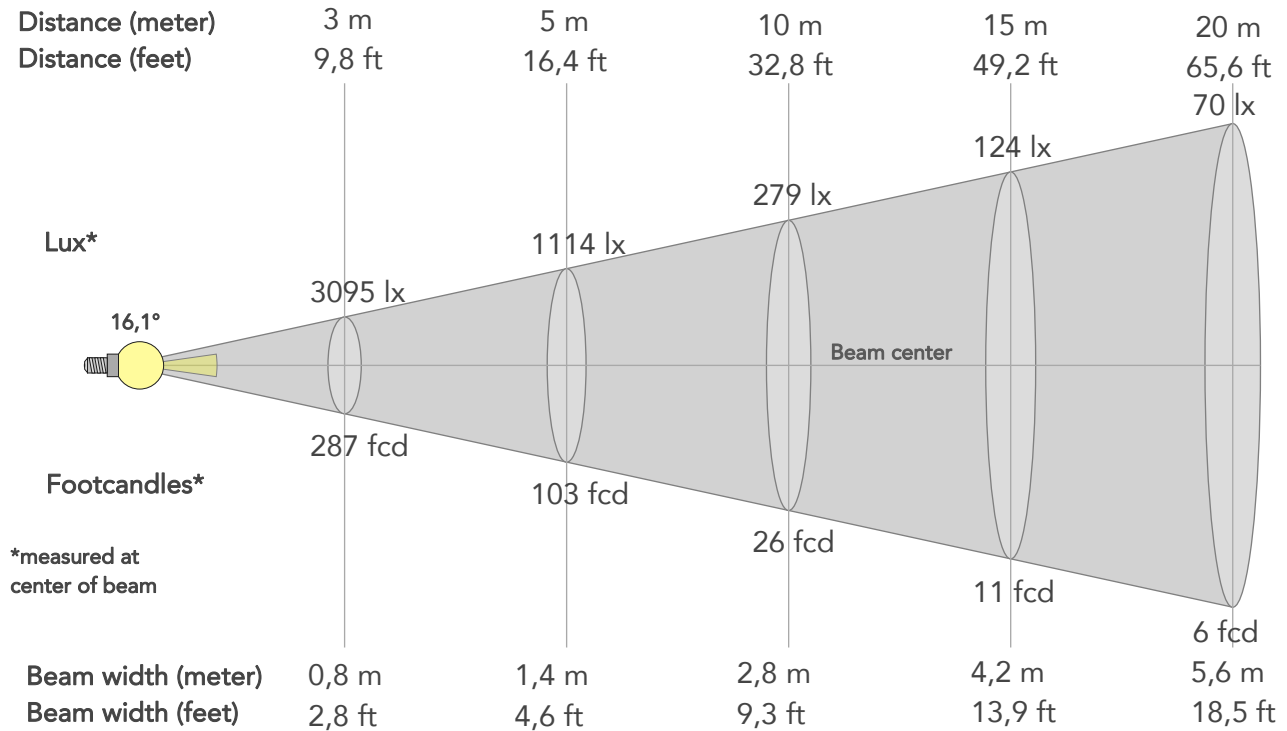
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	0%
2	98	0%	0%
3	97	0%	0%
4	95	-2%	-1%
5	94	-4%	0%
6	97	-1%	1%
7	96	-2%	2%
8	96	-1%	3%
9	93	-1%	5%
10	92	0%	5%
11	90	3%	7%
12	93	4%	2%
13	95	3%	-2%
14	95	5%	-2%
15	93	1%	-3%
16	91	2%	-5%



BEAM DETAILS



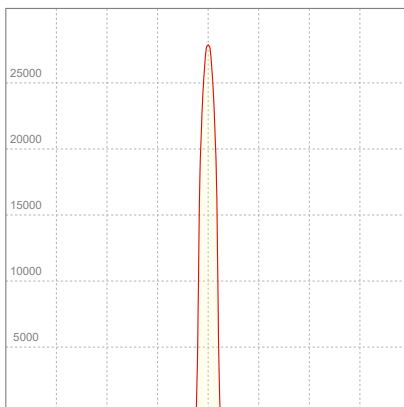
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16,1°	19,9°	21°	99,2%	99,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	27851lx	6963lx	3095lx	1741lx	1114lx	495lx	279lx	124lx	70lx	45lx	31lx	17lx	11lx
Footcand.	2587fcd	647fcd	287fcd	162fcd	103fcd	46fcd	26fcd	11fcd	6fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,3m	0,6m	0,8m	1,1m	1,4m	2,1m	2,8m	4,2m	5,6m	7,1m	8,5m	11,3m	14,1m
Beam wid.	0,9ft	1,9ft	2,8ft	3,7ft	4,6ft	6,9ft	9,3ft	13,9ft	18,5ft	23,2ft	27,8ft	37,1ft	46,3ft

LINEAR DISTRIBUTION DIAGRAM

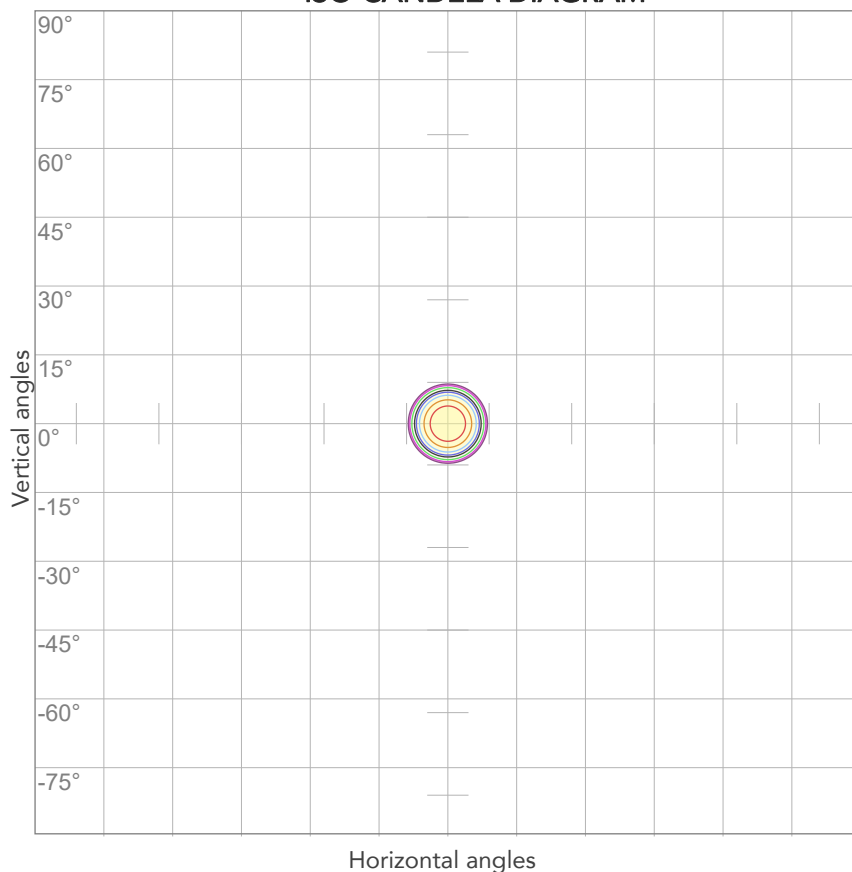


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,156A	33,7W	0,95	48lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



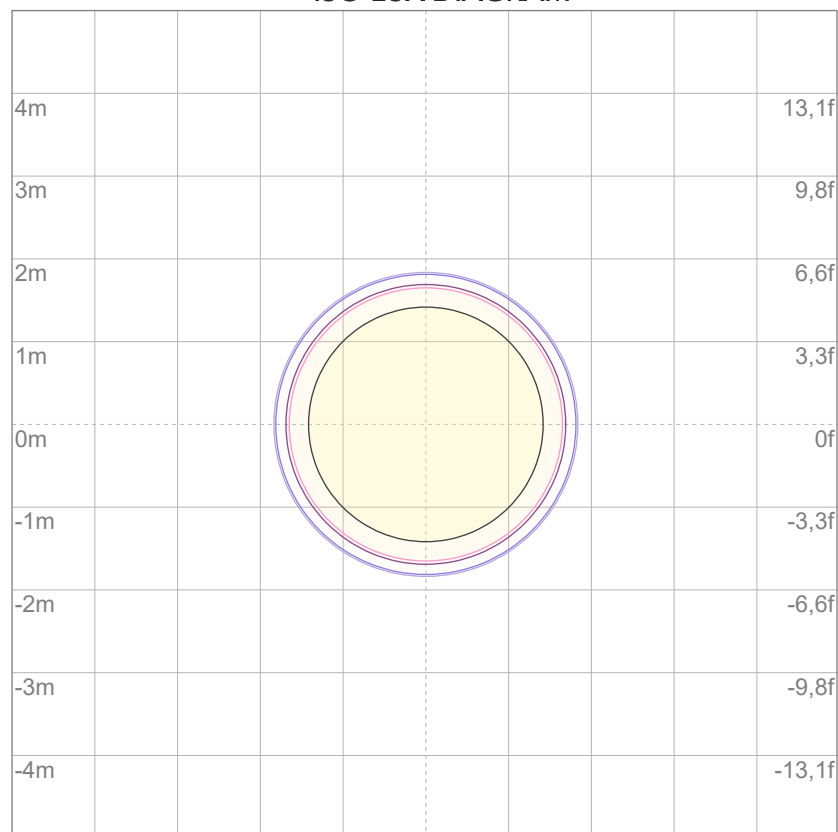
10%	2785 cd
20%	5570 cd
30%	8355 cd
40%	11141 cd
50%	13926 cd
60%	16711 cd
70%	19496 cd
80%	22281 cd

Conditions:

Number of c-planes: 2

Candela at center: 27851 cd

ISO LUX DIAGRAM



3%	8,36 lx
5%	13,9 lx
10%	27,9 lx
30%	83,6 lx
50%	139 lx

Conditions:

Number of c-planes: 2

Lux at center: 279 lx

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



Total lumen output:

1572 lm

Peak candela output:

7163 cd

Light quality:

CRI: 98,2

Color temperature:

3844 K

PRODUCT NAME:

ECLDISPLAYCRMX40K

MEASURAMENT CONDITIONS:

Beam angle:

Profile 36°

Target:

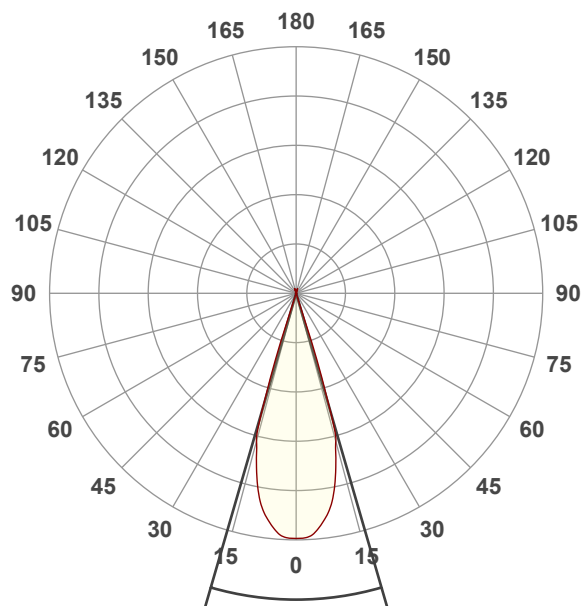
Full On

Operator:

Giacomo Matteo

Date and time:

18/06/2024 11:59:54

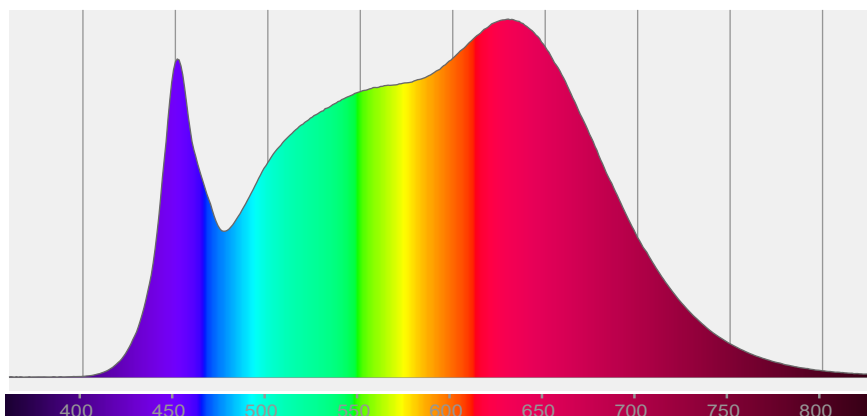


Beam angle 50%: 32,4°

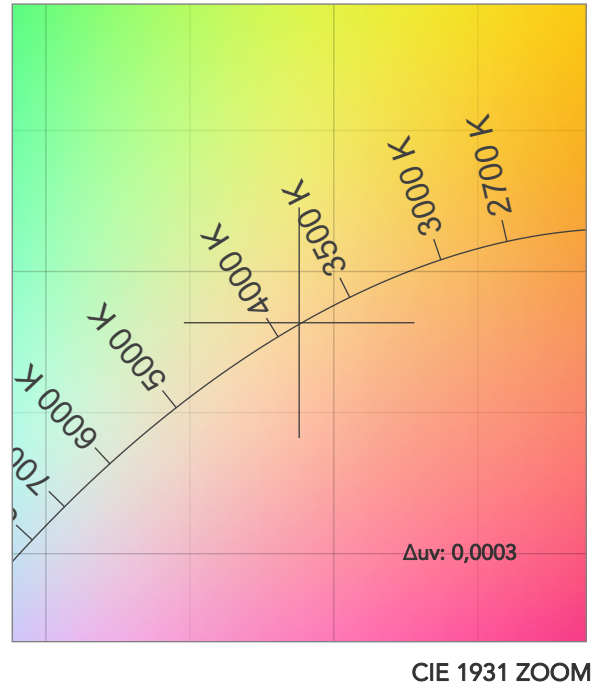
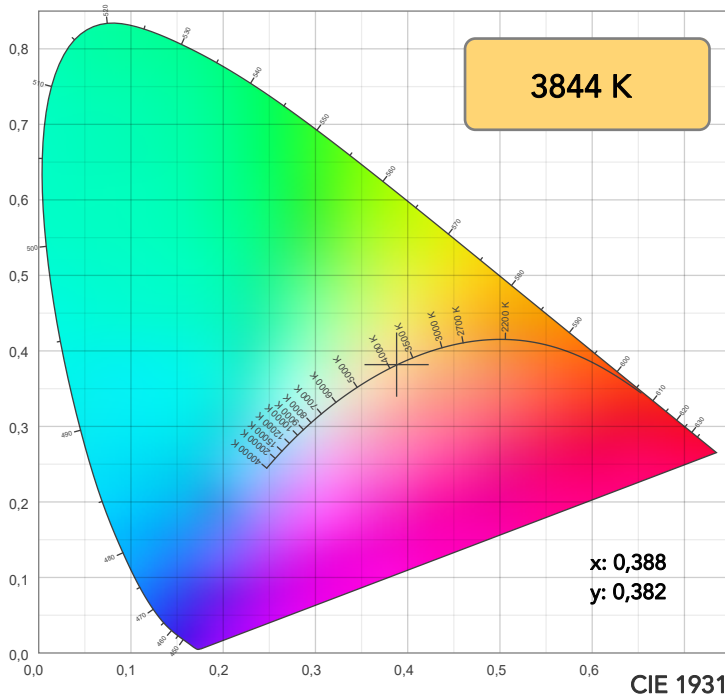
Field angle 10%: 36,6°

Cut off angle 2.5%: 37,4°

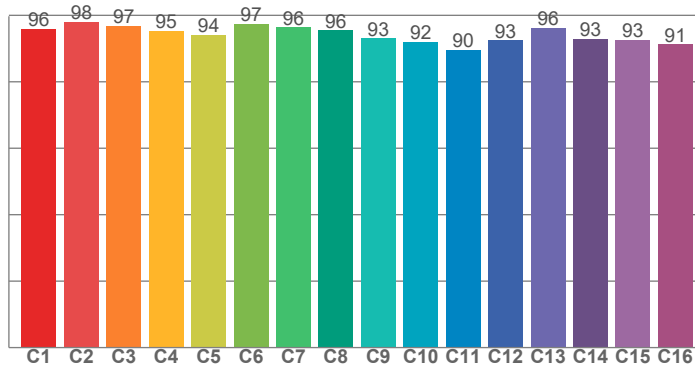
Spectra



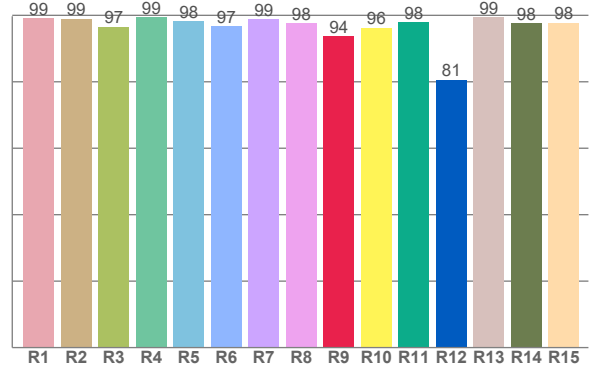
COLOR DETAILS



TM30: 94,3



CRI: 98,2 (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
99,1	99,0	96,6	99,4	98,2	96,7	98,9	97,6	93,6	96,2	97,9	80,6	99,4	97,5	97,8

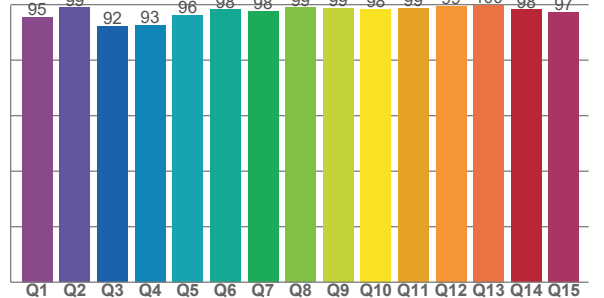
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,9	98,0	96,8	95,3	94,1	97,5	96,3	95,5	93,0	92,0	89,6	92,5	96,2	92,9	92,6	91,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,5	99,0	92,2	92,6	96,2	98,2	97,6	98,9	98,7	98,4	98,8	99,5	99,8	98,2	97,4

CQS: 96,6



COLOR PARAMETERS

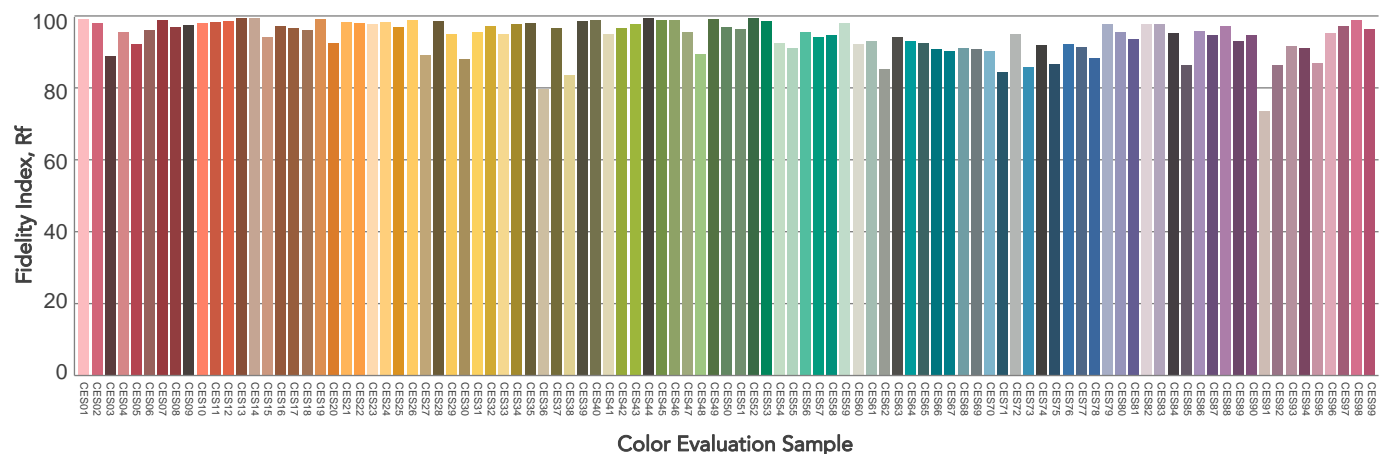
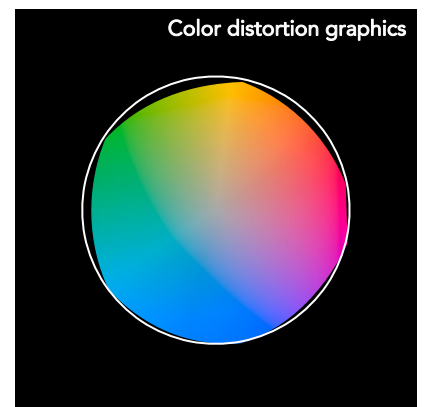
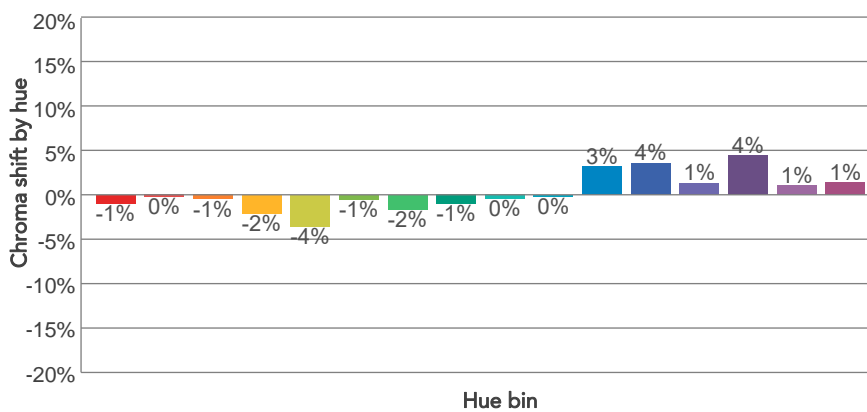
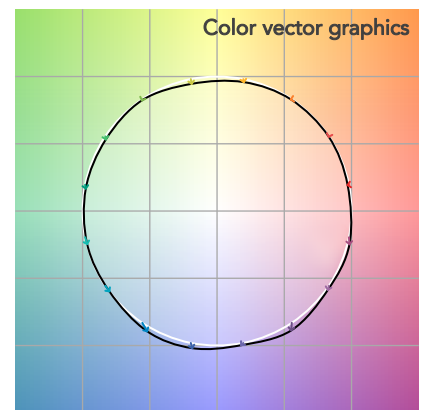
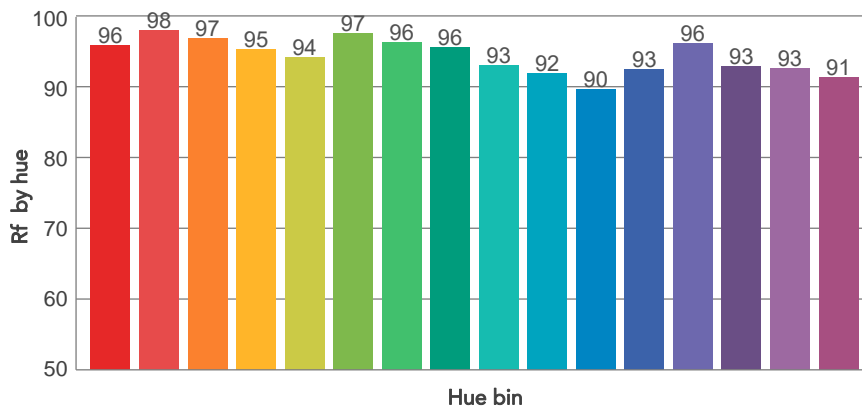
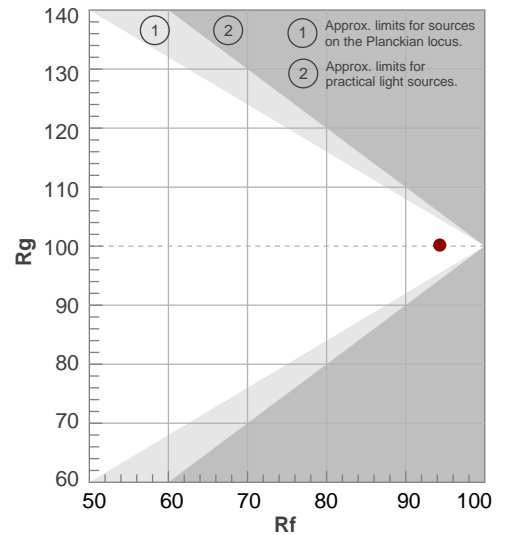
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3844 K	98,2	93,6	94,3	100,2	96,6	99	0,388	0,382	0,0003

TM30 DETAILS

Rf 94,3
Fidelity index Rf

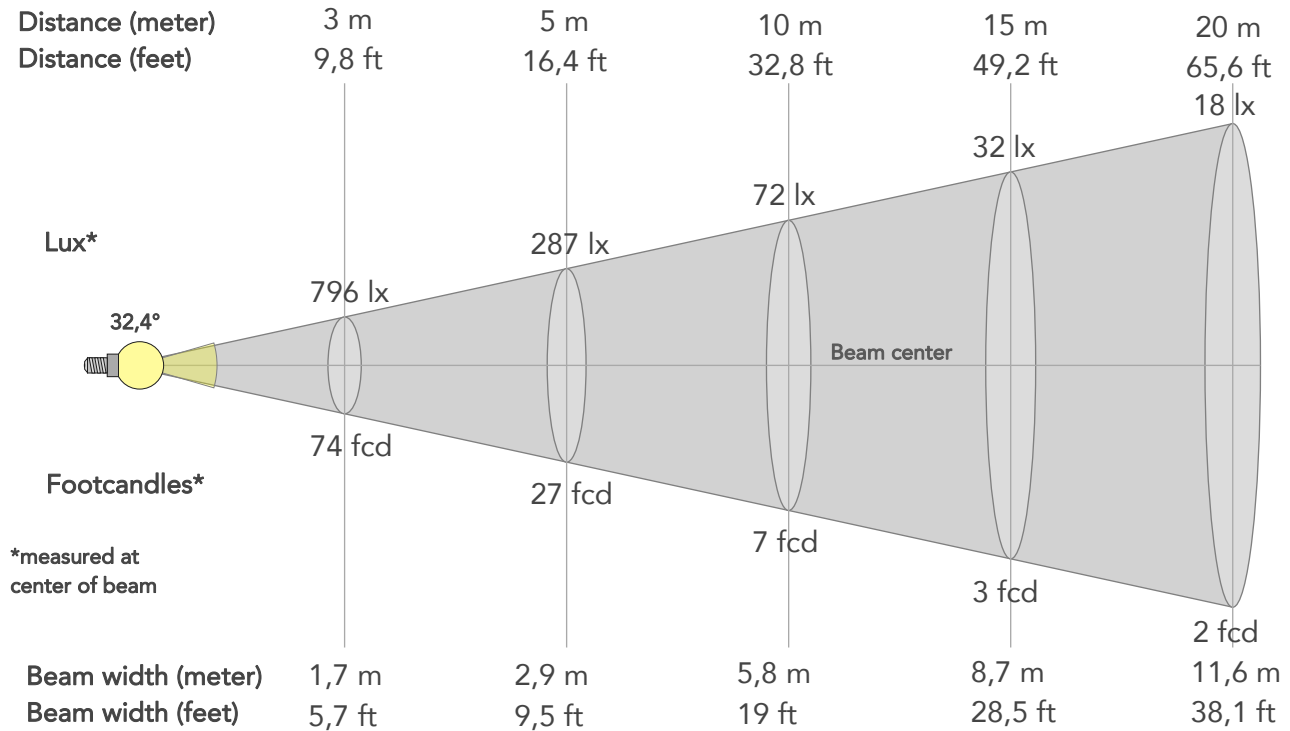
Rg 100,2
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	0%
2	98	0%	0%
3	97	-1%	1%
4	95	-2%	-1%
5	94	-4%	0%
6	97	-1%	1%
7	96	-2%	2%
8	96	-1%	3%
9	93	0%	5%
10	92	0%	5%
11	90	3%	6%
12	93	4%	2%
13	96	1%	-2%
14	93	4%	-3%
15	93	1%	-3%
16	91	1%	-5%



BEAM DETAILS

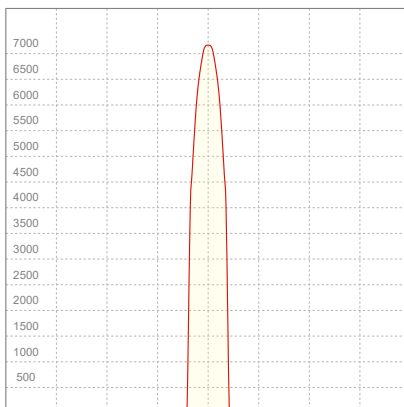
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
32,4°	36,6°	37,4°	99,4%	99,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	7163lx	1791lx	796lx	448lx	287lx	127lx	72lx	32lx	18lx	11lx	8lx	4lx	3lx
Footcand.	665fcd	166fcd	74fcd	42fcd	27fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,7m	2,3m	2,9m	4,4m	5,8m	8,7m	11,6m	14,5m	17,4m	23,2m	29m
Beam wid.	1,9ft	3,8ft	5,7ft	7,6ft	9,5ft	14,3ft	19ft	28,5ft	38,1ft	47,6ft	57,1ft	76,1ft	95,2ft

LINEAR DISTRIBUTION DIAGRAM

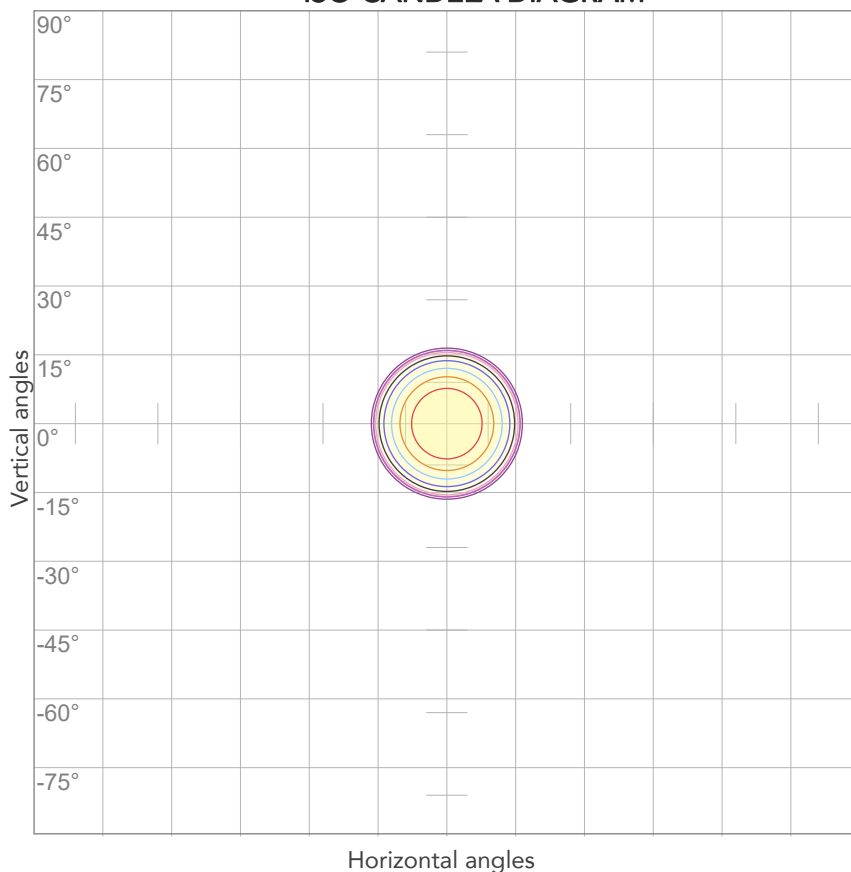


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,155A	33,5W	0,95	47lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



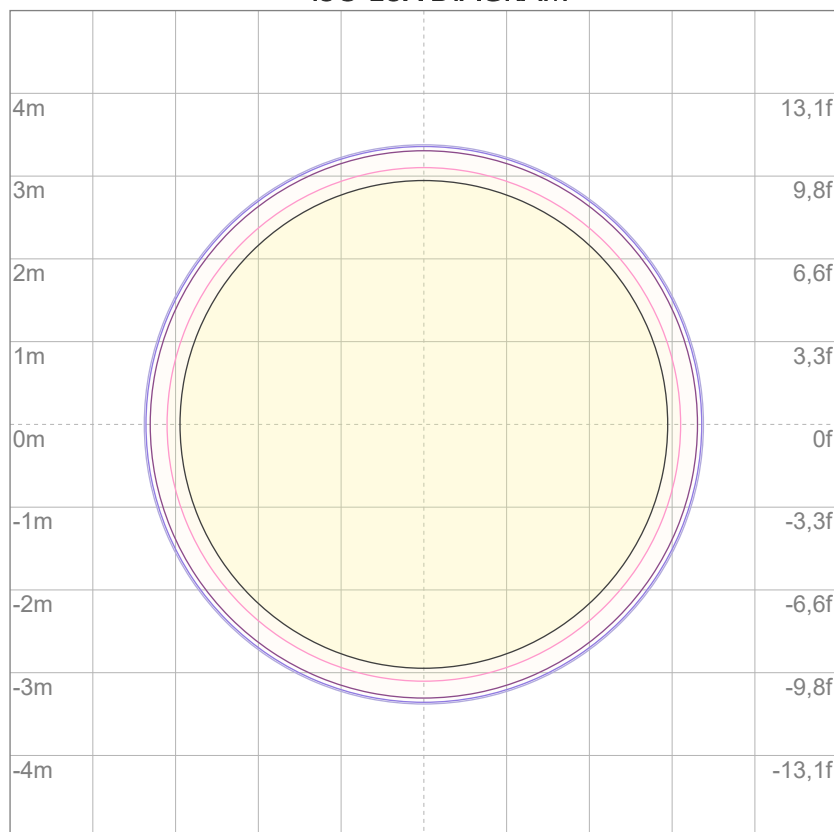
10%	716 cd
20%	1433 cd
30%	2149 cd
40%	2865 cd
50%	3582 cd
60%	4298 cd
70%	5014 cd
80%	5731 cd

Conditions:

Number of c-planes: 2

Candela at center: 7163 cd

ISO LUX DIAGRAM



3%	2,15 lx
5%	3,58 lx
10%	7,16 lx
30%	21,5 lx
50%	35,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 71,6 lx

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



Total lumen output:

1558 lm

Peak candela output:

3153 cd

Light quality:

CRI: 98,2

Color temperature:

3730 K

PRODUCT NAME:

ECLDISPLAYCRMX40K

MEASURAMENT CONDITIONS:

Beam angle:

Profile 50°

Target:

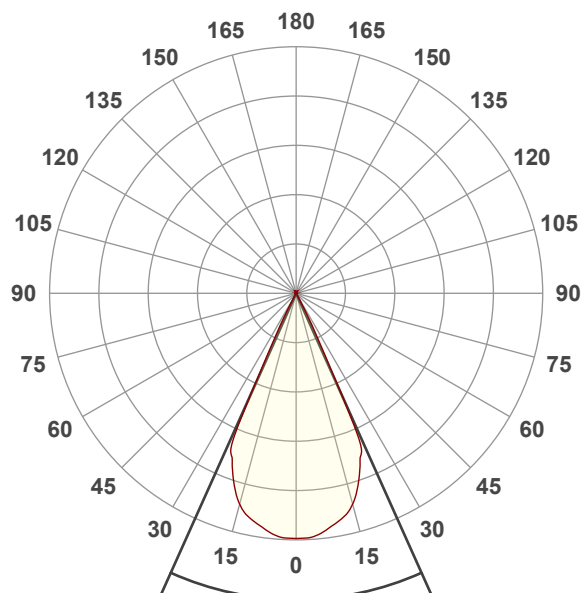
Full On

Operator:

Giacomo Matteo

Date and time:

18/06/2024 11:56:31

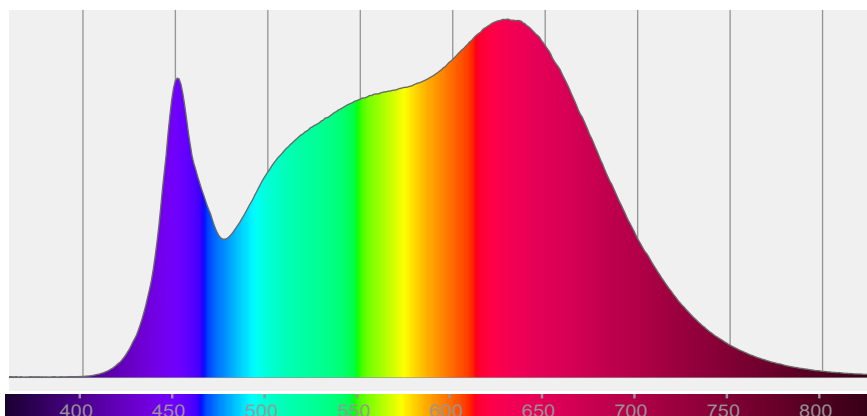


Beam angle 50%: 48,3°

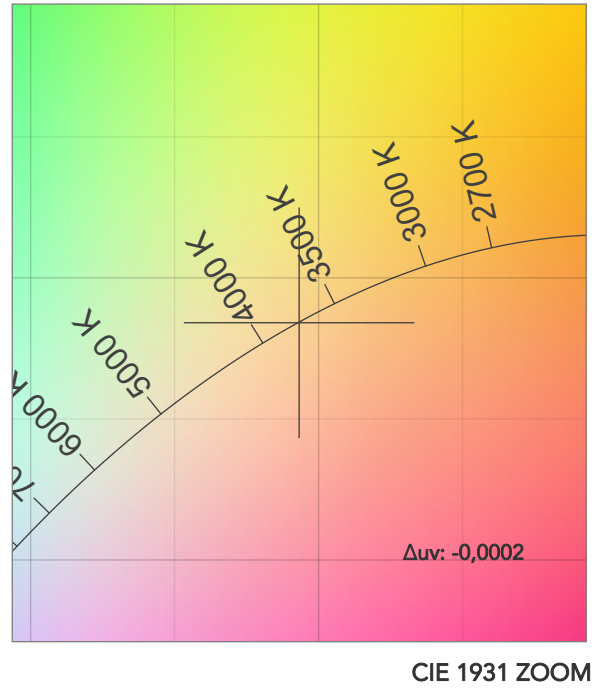
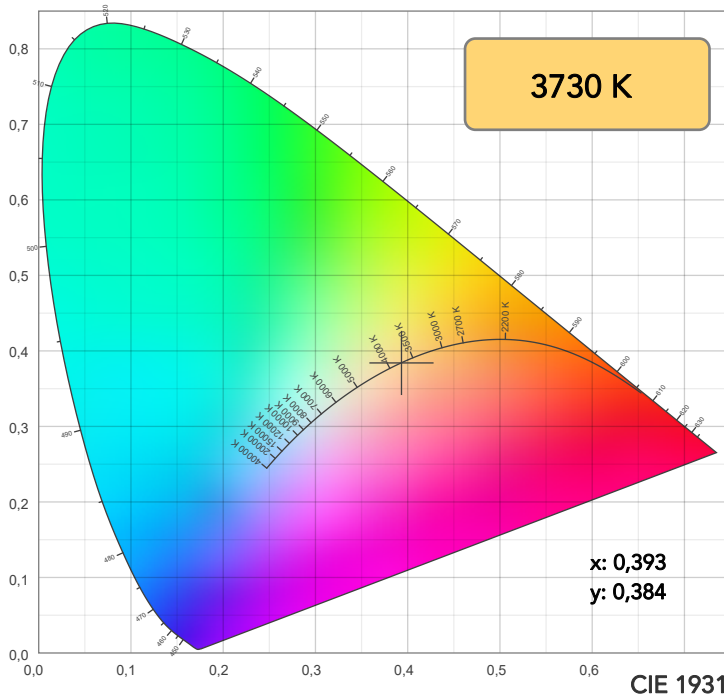
Field angle 10%: 54,1°

Cut off angle 2.5%: 56,2°

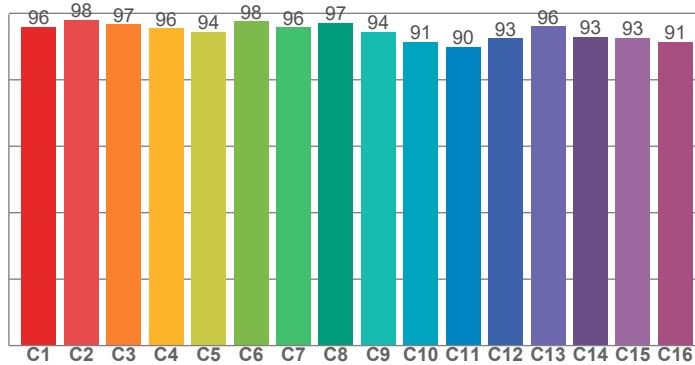
Spectra



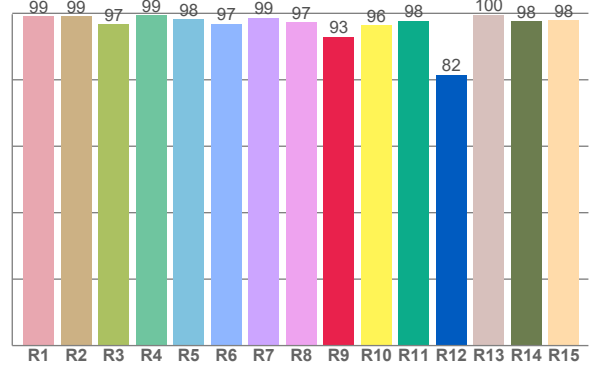
COLOR DETAILS



TM30: 94,4



CRI: 98,2 (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
99,1	99,1	96,7	99,3	98,3	96,9	98,7	97,3	92,9	96,4	97,8	81,5	99,5	97,6	98,0

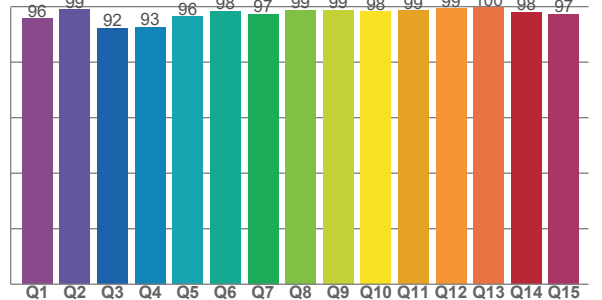
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,9	98,0	96,7	95,5	94,3	97,6	95,8	97,1	94,4	91,4	89,9	92,5	96,1	92,9	92,7	91,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,7	99,0	92,2	92,7	96,4	98,3	97,4	98,8	98,7	98,2	98,6	99,4	99,6	98,0	97,3

CQS: 96,6



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
3730 K	98,2	92,9	94,4	100,3	96,6	98	0,393	0,384	-0,0002

TM30 DETAILS

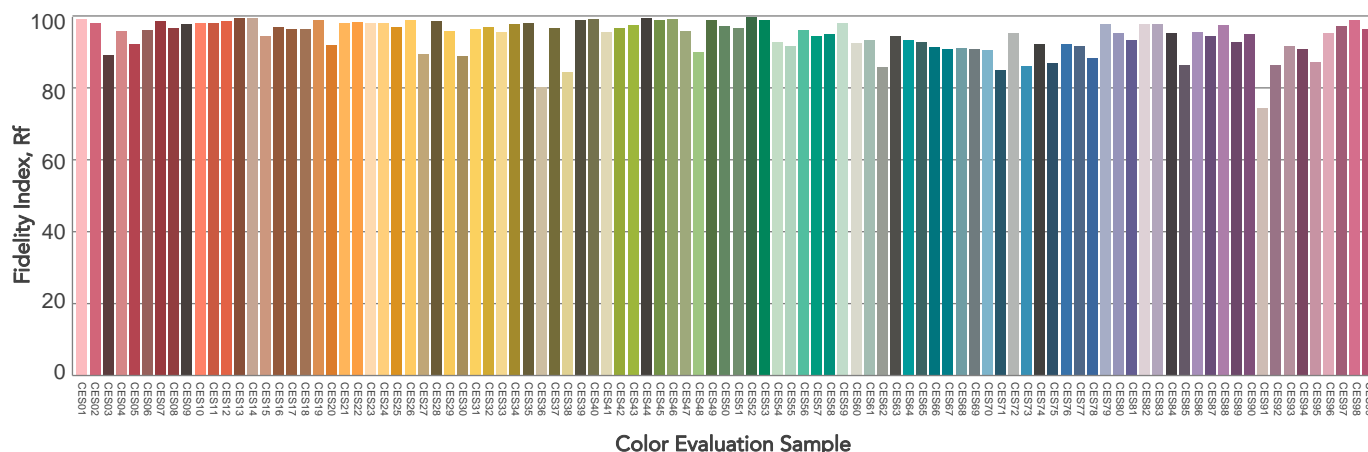
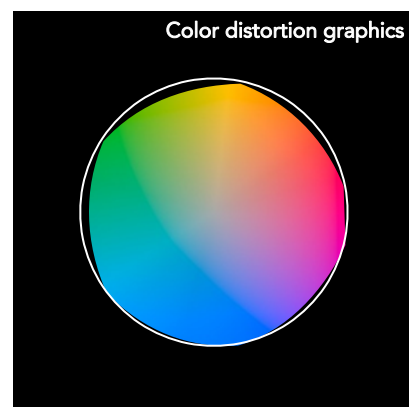
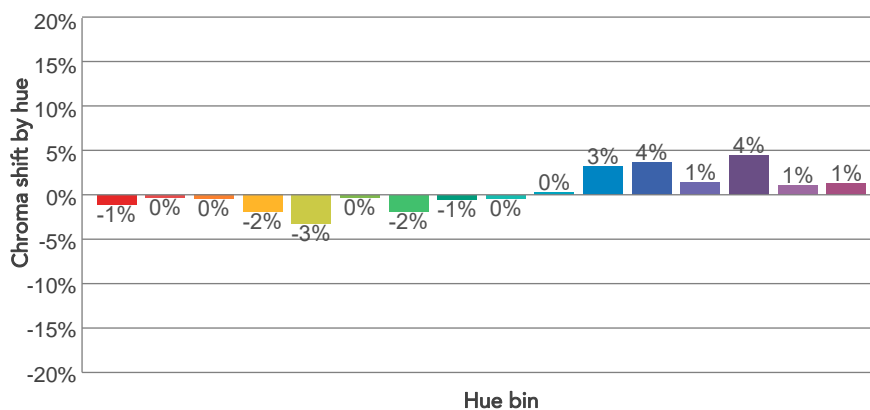
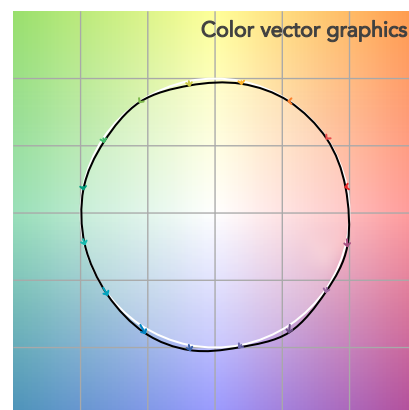
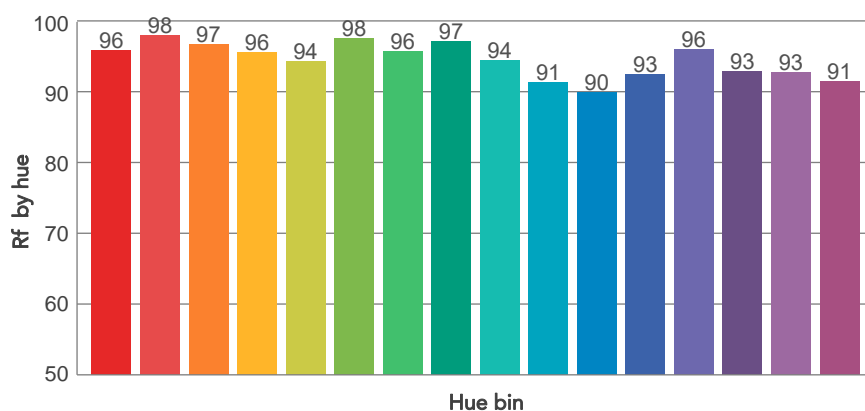
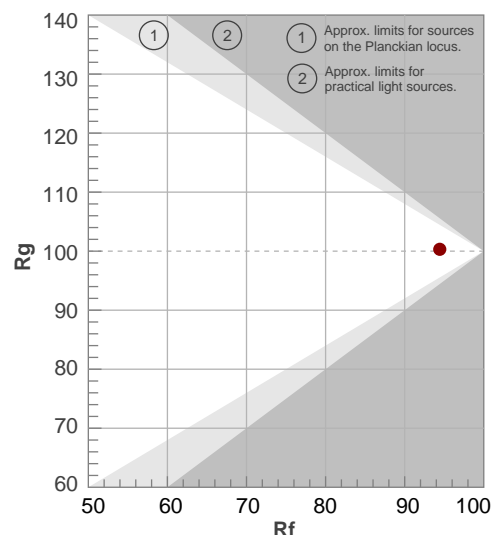
Rf 94,4

Fidelity index Rf

Rg 100,3

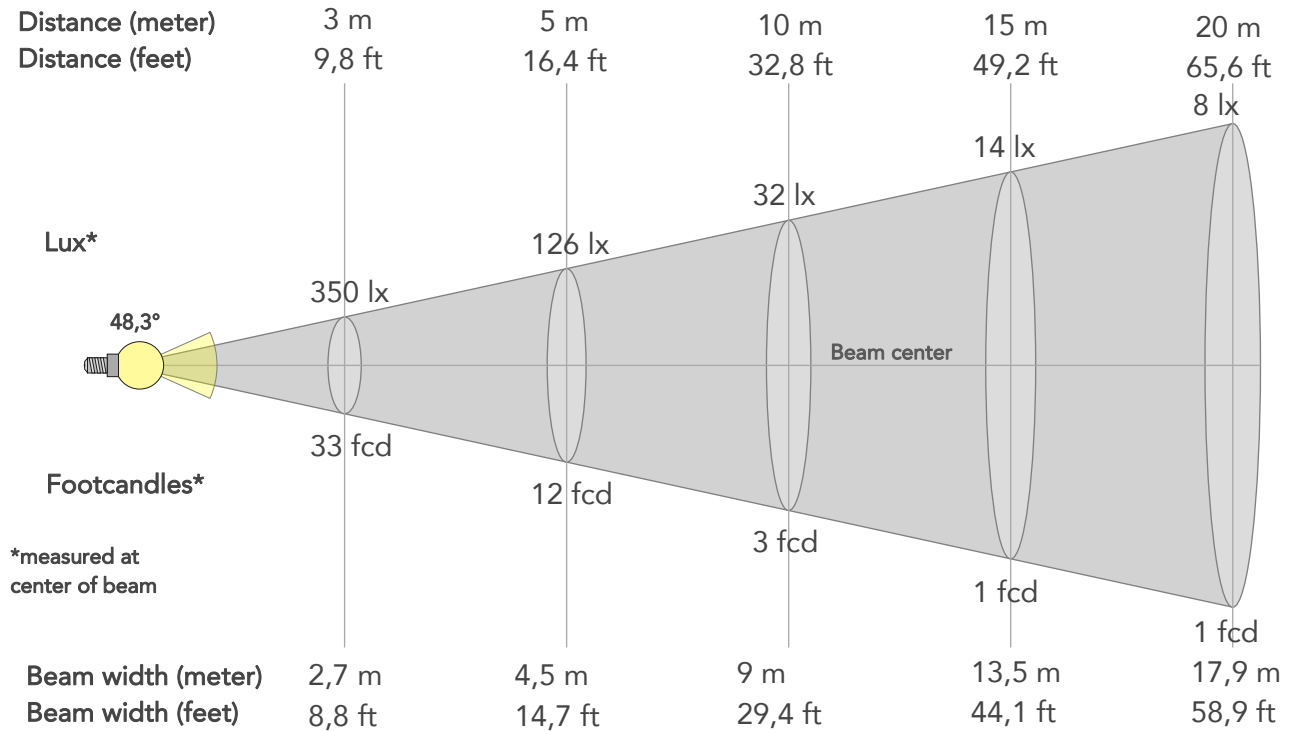
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	0%
2	98	0%	0%
3	97	0%	1%
4	96	-2%	-1%
5	94	-3%	0%
6	98	0%	1%
7	96	-2%	2%
8	97	-1%	2%
9	94	0%	4%
10	91	0%	6%
11	90	3%	6%
12	93	4%	2%
13	96	1%	-2%
14	93	4%	-4%
15	93	1%	-3%
16	91	1%	-5%



BEAM DETAILS

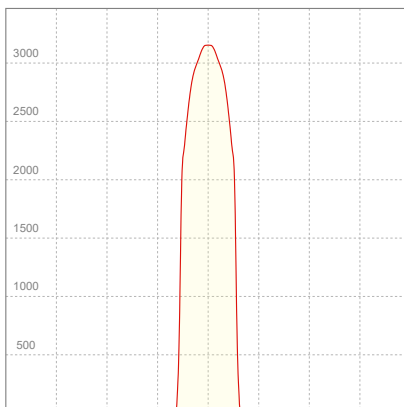
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48,3°	54,1°	56,2°	99,8%	99,7%



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	3153lx	788lx	350lx	197lx	126lx	56lx	32lx	14lx	8lx	5lx	4lx	2lx	1lx
Footcand.	293fcd	73fcd	33fcd	18fcd	12fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,8m	2,7m	3,6m	4,5m	6,7m	9m	13,5m	17,9m	22,4m	26,9m	35,9m	44,9m
Beam wid.	3ft	5,9ft	8,8ft	11,8ft	14,7ft	22,1ft	29,4ft	44,1ft	58,9ft	73,6ft	88,3ft	117,7ft	147,1ft

LINEAR DISTRIBUTION DIAGRAM

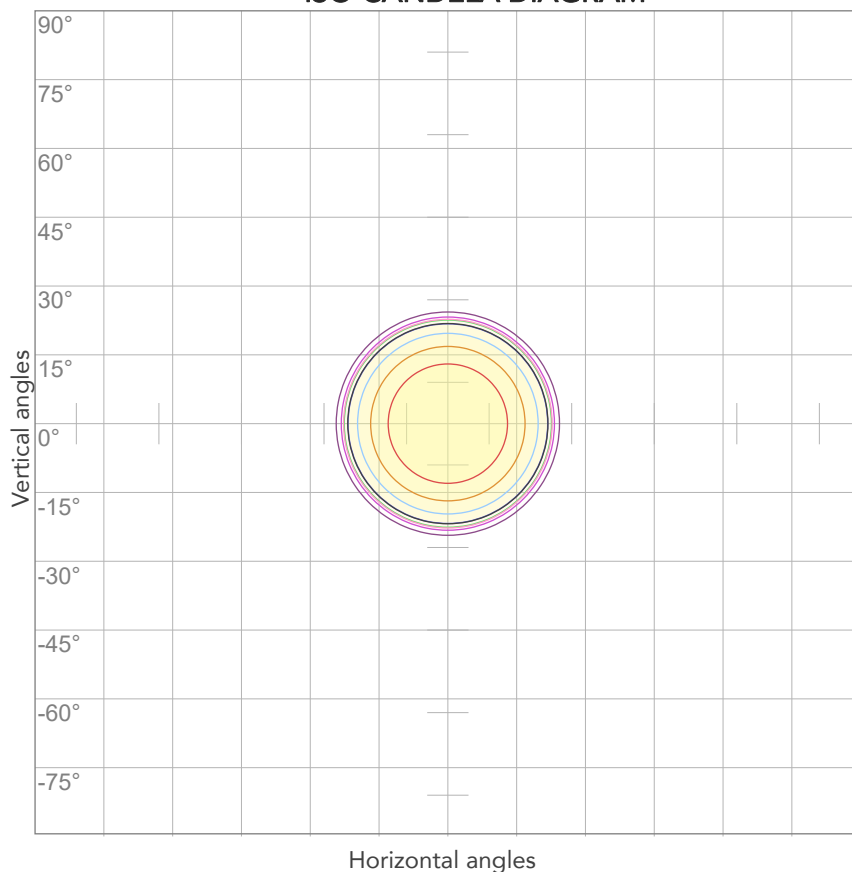


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,155A	33,5W	0,95	47lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



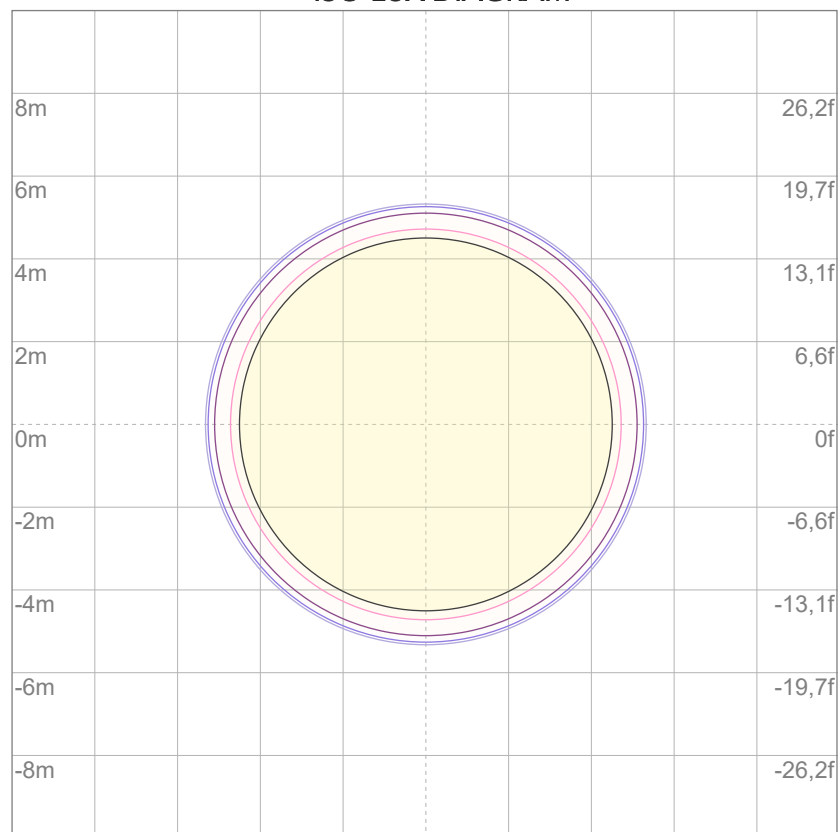
10%	315 cd
20%	631 cd
30%	946 cd
40%	1261 cd
50%	1576 cd
60%	1892 cd
70%	2207 cd
80%	2522 cd

Conditions:

Number of c-planes: 2

Candela at center: 3153 cd

ISO LUX DIAGRAM



3%	0,946 lx
5%	1,58 lx
10%	3,15 lx
30%	9,46 lx
50%	15,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 31,5 lx

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



Total lumen output:

1568 lm

Peak candela output:

5868 cd

Light quality:

CRI: 98,2

Color temperature:

3893 K

PRODUCT NAME:
ECLDISPLAYCRMX40K

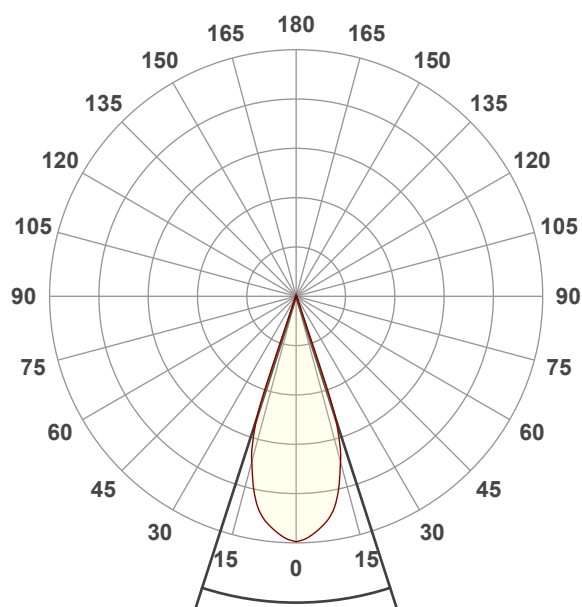
MEASURAMENT CONDITIONS:

Beam angle:
Profile 2040 Max Zoom

Target:
Full On

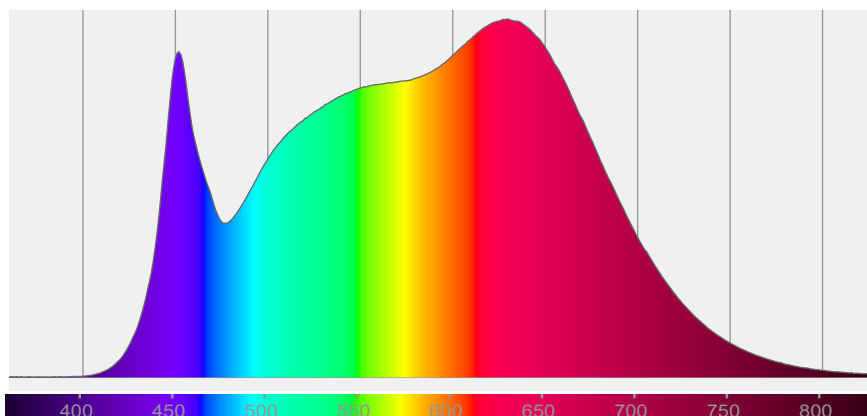
Operator:
Giacomo Matteo

Date and time:
18/06/2024 12:27:32

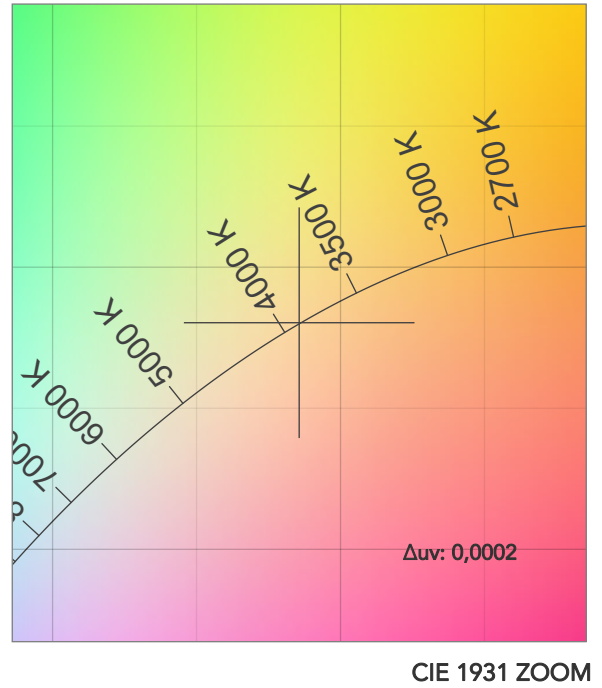
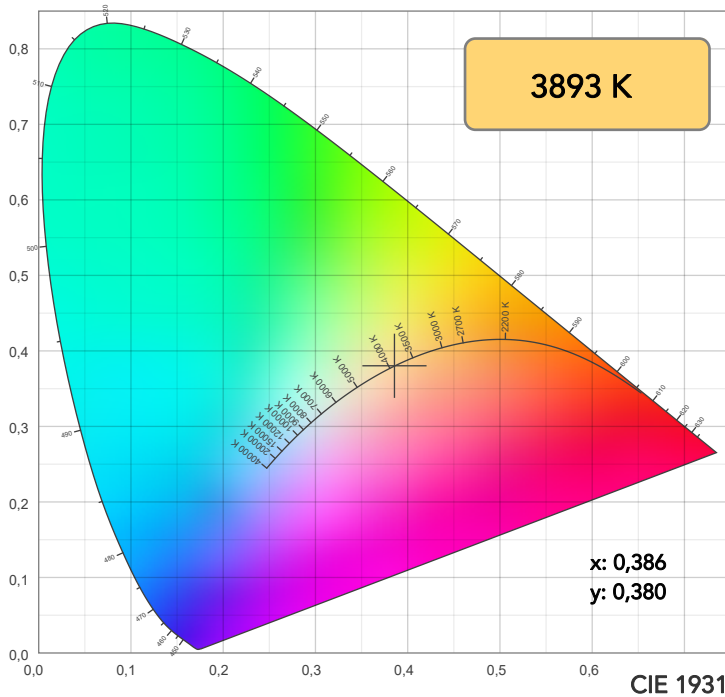


Beam angle 50%: 35,7°
Field angle 10%: 40,2°
Cut off angle 2.5%: 42,6°

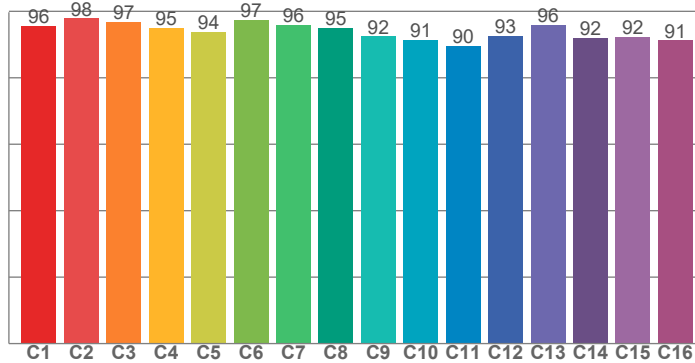
Spectra



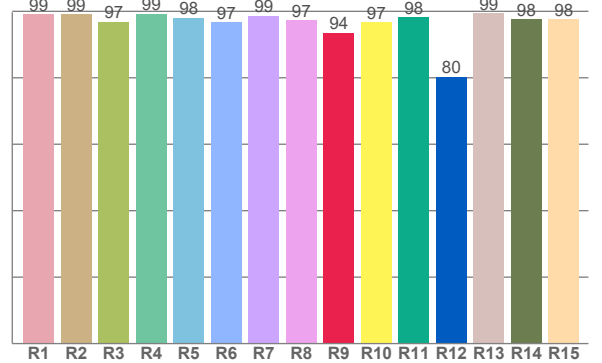
COLOR DETAILS



TM30: 94,1



CRI: 98,2 (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
99,0	99,2	96,9	99,2	98,0	96,8	98,6	97,4	93,5	96,6	98,1	80,3	99,5	97,7	97,7

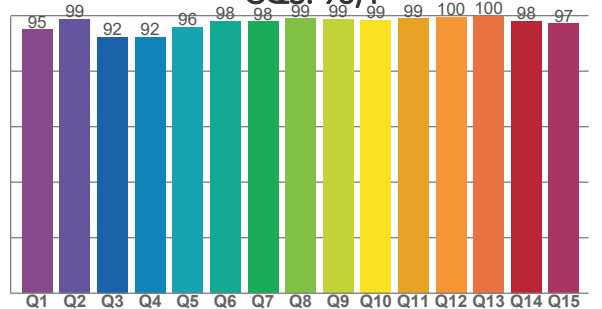
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,7	97,9	96,9	95,1	93,8	97,4	96,0	95,0	92,5	91,5	89,5	92,6	95,9	92,0	92,4	91,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,0	98,8	92,3	92,4	95,8	97,9	97,8	98,9	98,8	98,5	98,9	99,6	99,8	98,1	97,1

CQS: 96,4



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
3893 K	98,2	93,5	94,1	100,1	96,4	98	0,386	0,380	0,0002

TM30 DETAILS

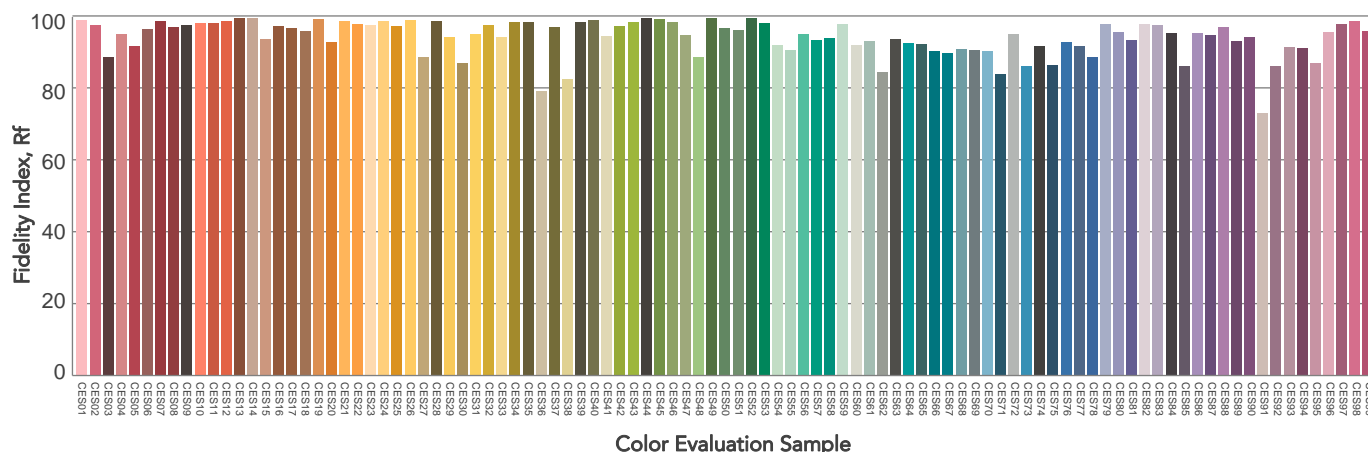
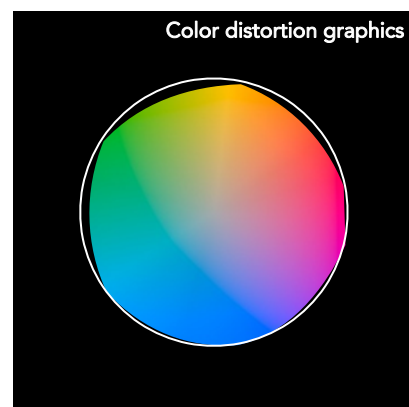
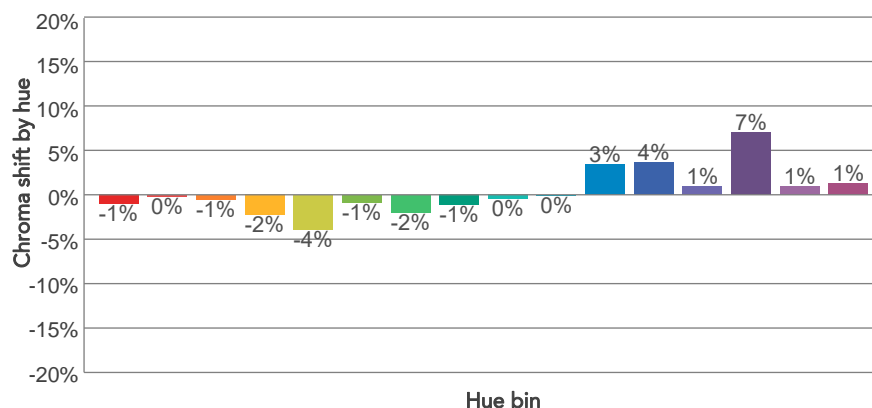
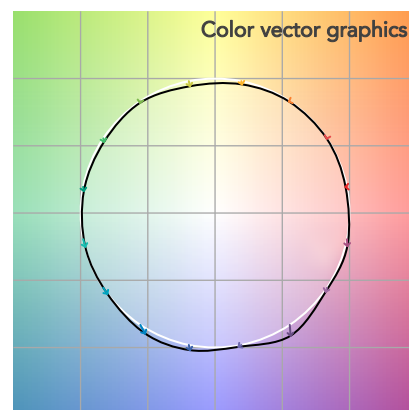
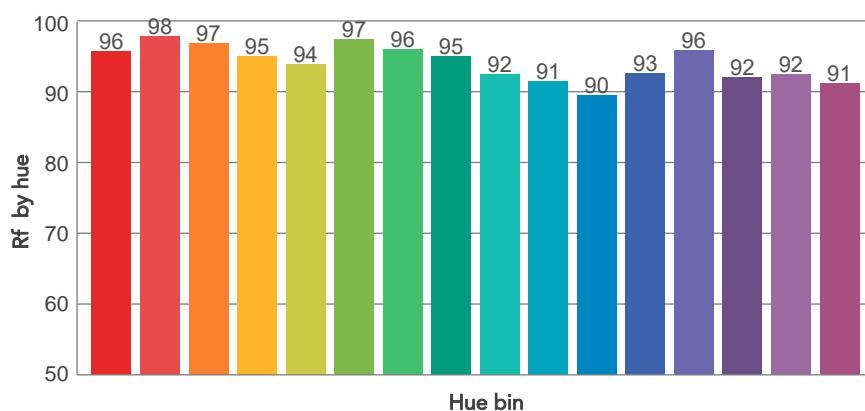
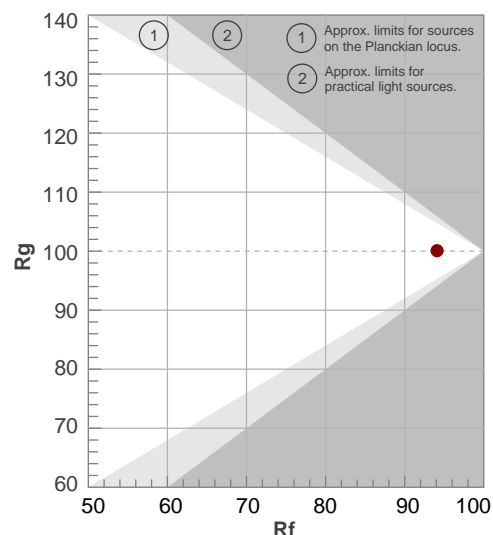
Rf 94,1

Fidelity index Rf

Rg 100,1

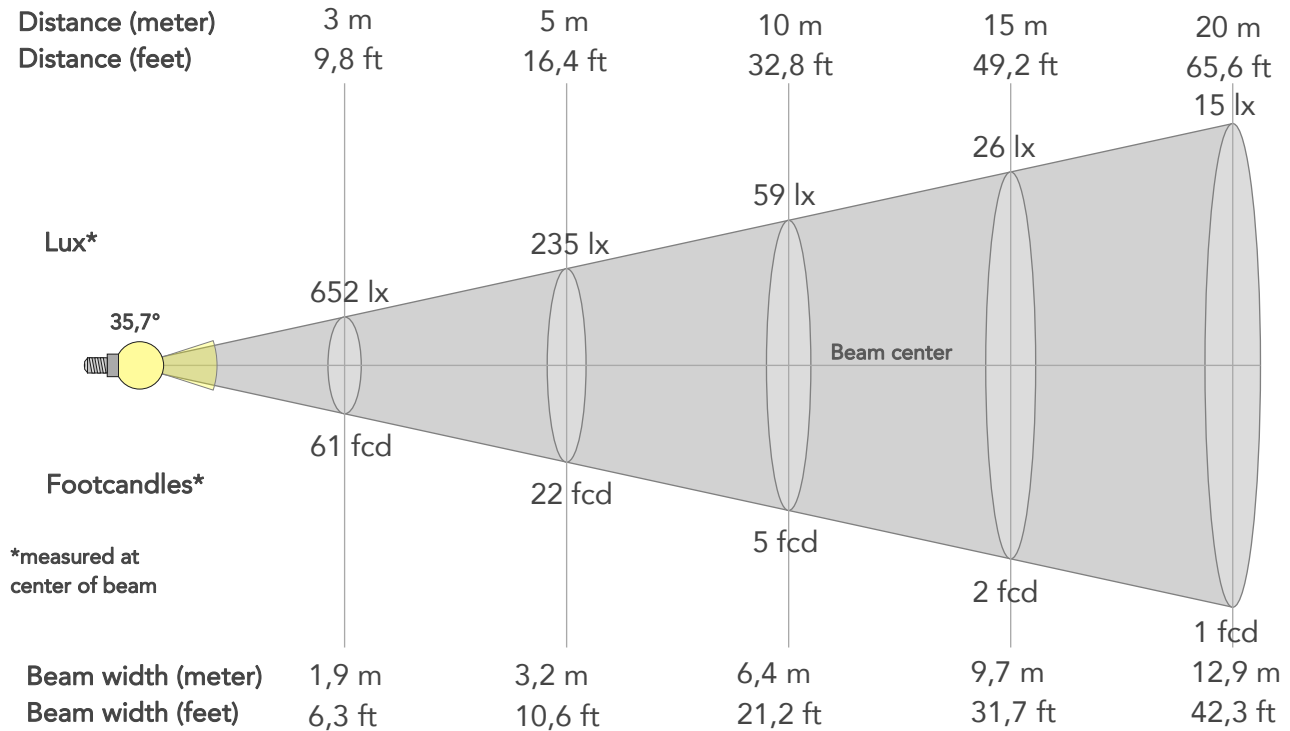
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	0%
2	98	0%	0%
3	97	-1%	0%
4	95	-2%	-1%
5	94	-4%	0%
6	97	-1%	1%
7	96	-2%	2%
8	95	-1%	3%
9	92	0%	6%
10	91	0%	5%
11	90	3%	6%
12	93	4%	2%
13	96	1%	-2%
14	92	7%	-4%
15	92	1%	-3%
16	91	1%	-5%



BEAM DETAILS

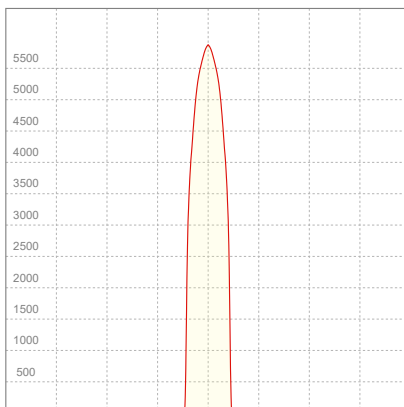
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35,7°	40,2°	42,6°	99,5%	99,5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5868lx	1467lx	652lx	367lx	235lx	104lx	59lx	26lx	15lx	9lx	7lx	4lx	2lx
Footcand.	545fcd	136fcd	61fcd	34fcd	22fcd	10fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,6m	1,3m	1,9m	2,6m	3,2m	4,8m	6,4m	9,7m	12,9m	16,1m	19,3m	25,8m	32,2m
Beam wid.	2,1ft	4,3ft	6,3ft	8,4ft	10,6ft	15,9ft	21,2ft	31,7ft	42,3ft	52,9ft	63,5ft	84,6ft	105,8ft

LINEAR DISTRIBUTION DIAGRAM

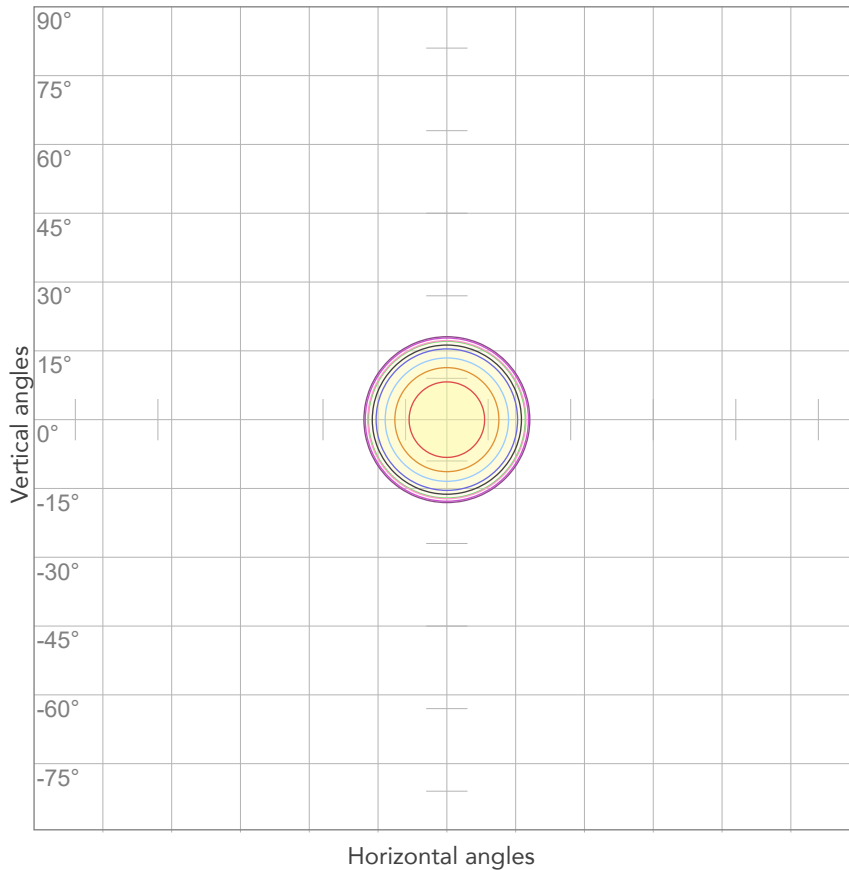


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,153A	33,0W	0,95	48lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



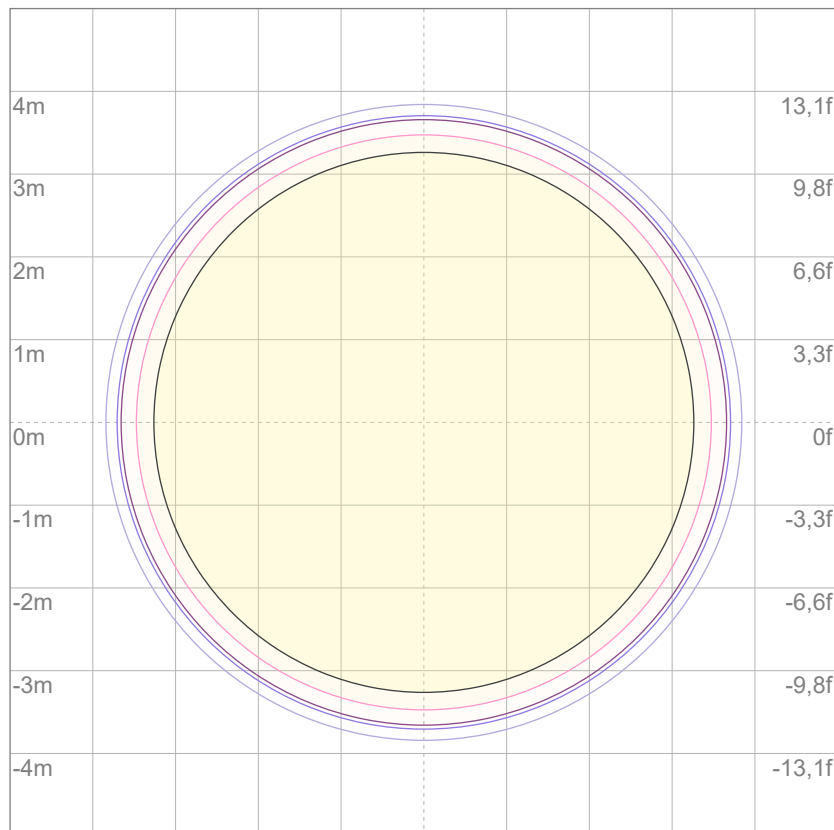
10%	587 cd
20%	1174 cd
30%	1761 cd
40%	2347 cd
50%	2934 cd
60%	3521 cd
70%	4108 cd
80%	4695 cd

Conditions:

Number of c-planes: 2

Candela at center: 5868 cd

ISO LUX DIAGRAM



3%	1,76 lx
5%	2,93 lx
10%	5,87 lx
30%	17,6 lx
50%	29,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 58,7 lx

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



Total lumen output:

1581 lm

Peak candela output:

19559 cd

Light quality:

CRI: 98,0

Color temperature:

3875 K

PRODUCT NAME:
ECLDISPLAYCRMX40K

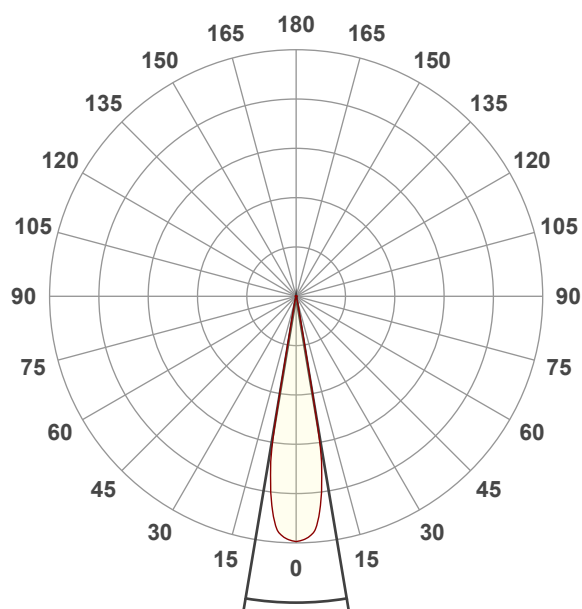
MEASURAMENT CONDITIONS:

Beam angle:
Profile 2040 Min Zoom

Target:
Full On

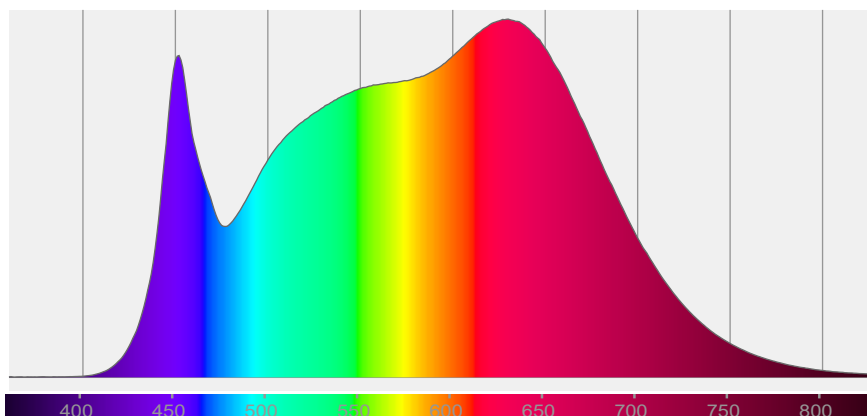
Operator:
Giacomo Matteo

Date and time:
18/06/2024 12:24:26

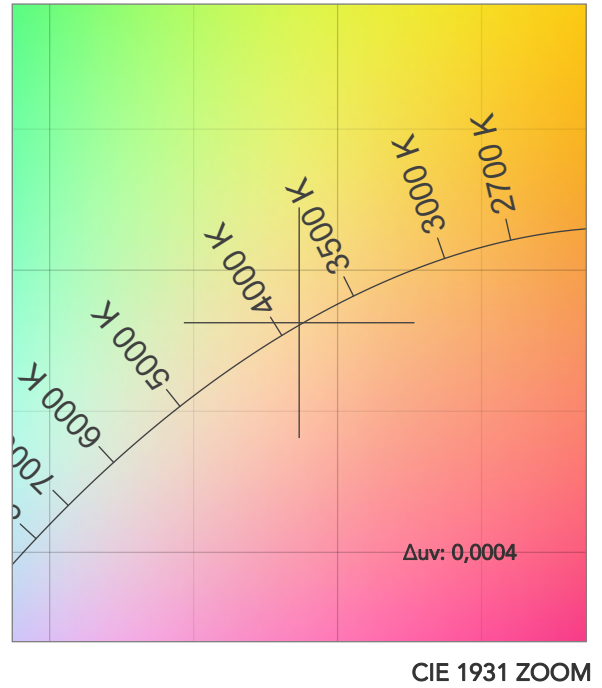
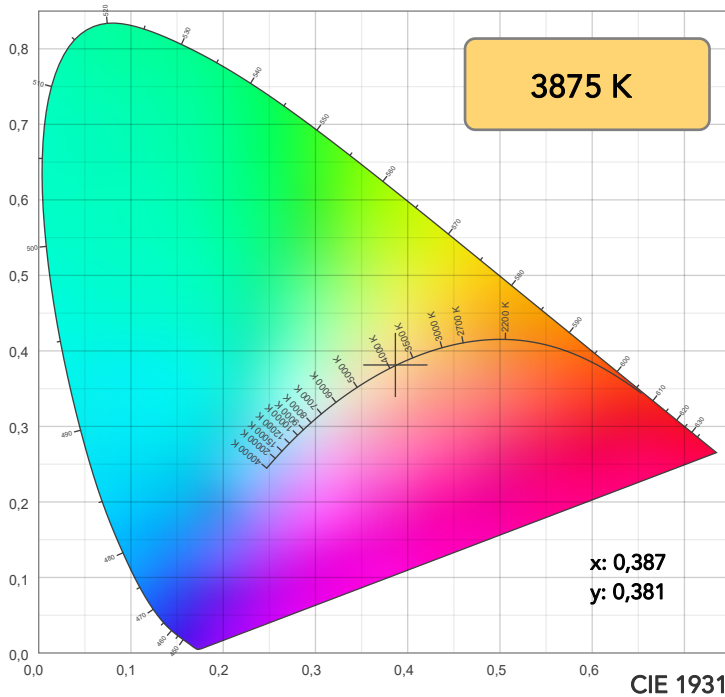


Beam angle 50%: 19°
Field angle 10%: 21,4°
Cut off angle 2.5%: 23,7°

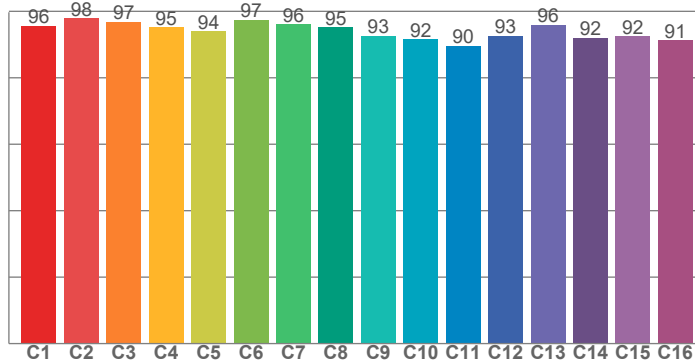
Spectra



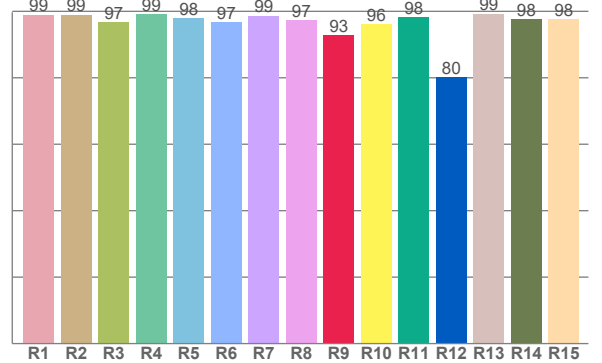
COLOR DETAILS



TM30: 94,1



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
99,0	99,0	96,7	99,1	97,9	96,7	98,7	97,2	92,8	96,1	98,1	80,2	99,3	97,6	97,6

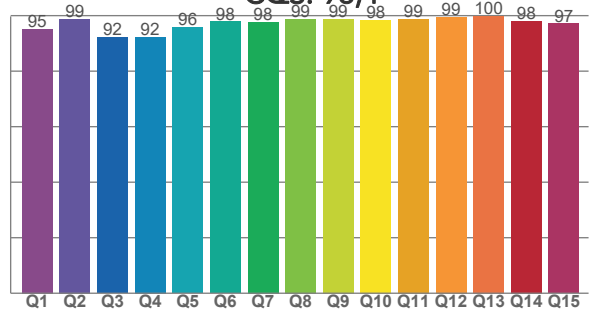
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,1	98,8	92,2	92,4	95,8	97,9	97,8	98,9	98,8	98,4	98,8	99,4	99,8	98,0	97,1

CQS: 96,4



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
3875 K	98,0	92,8	94,1	100,1	96,4	98	0,387	0,381	0,0004

TM30 DETAILS

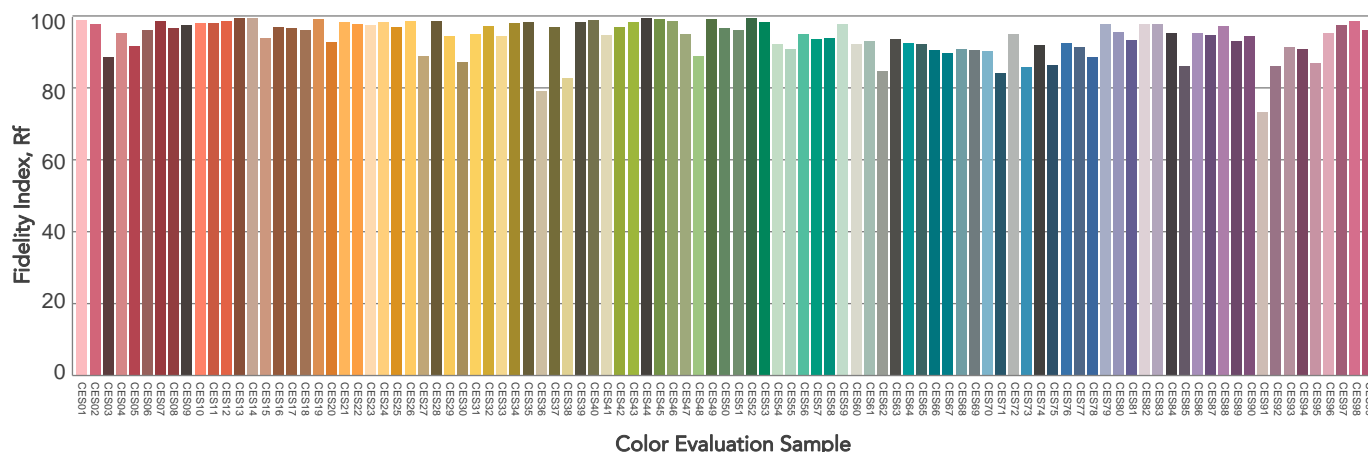
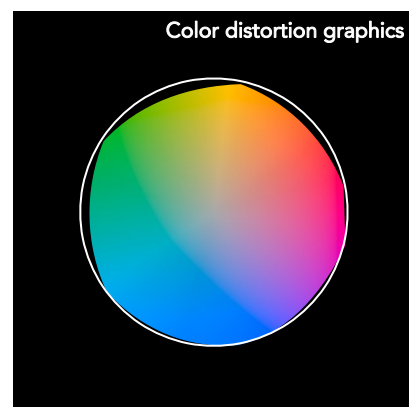
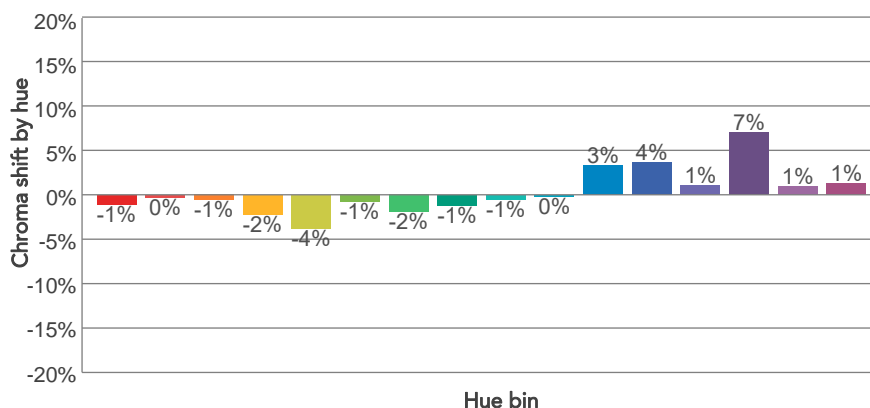
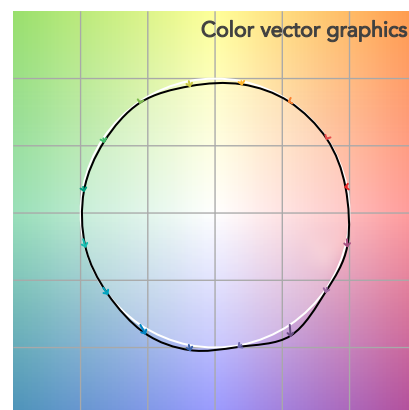
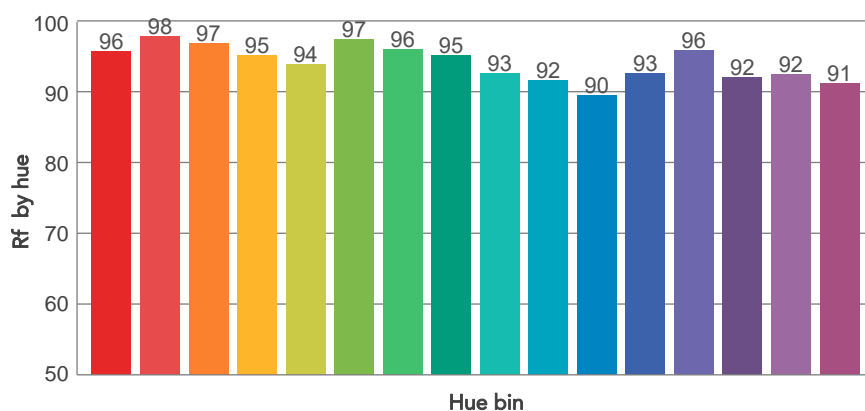
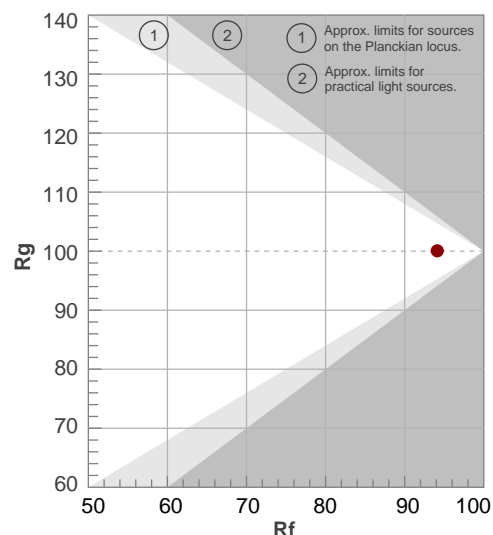
Rf 94,1

Fidelity index Rf

Rg 100,1

Gammut index

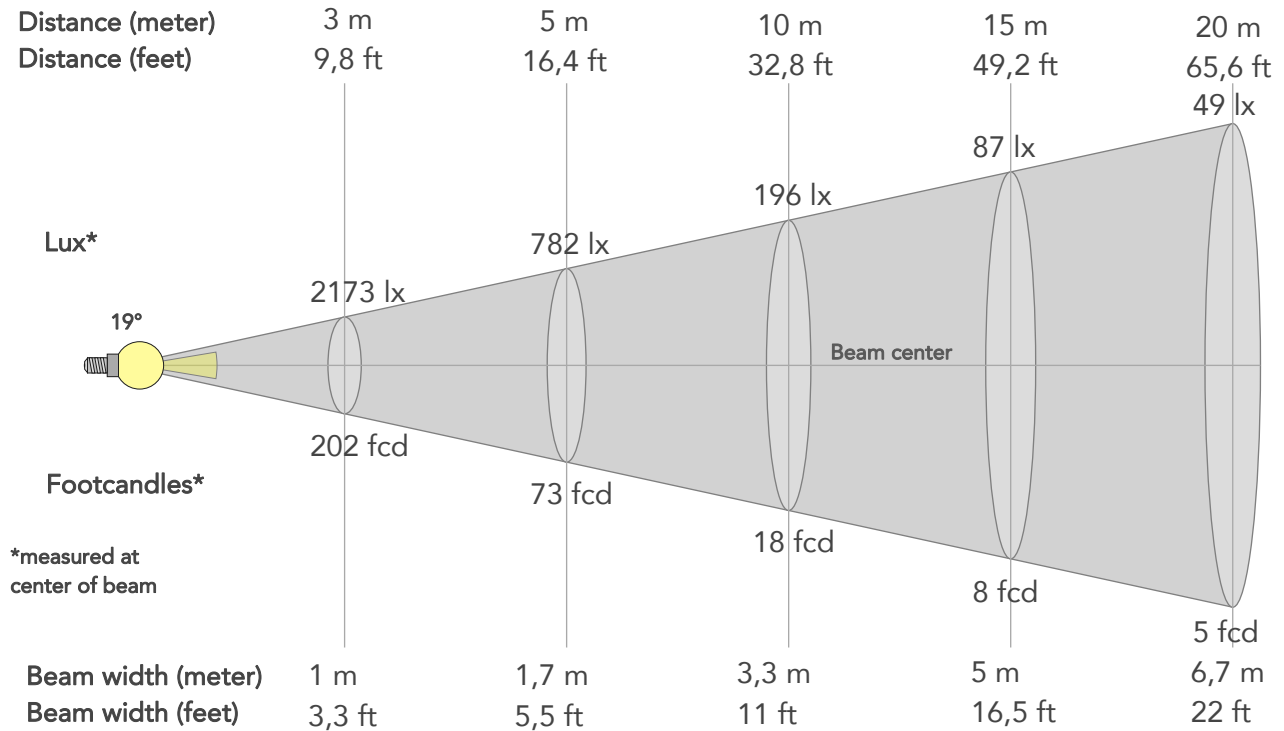
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	0%
2	98	0%	0%
3	97	-1%	0%
4	95	-2%	-1%
5	94	-4%	0%
6	97	-1%	1%
7	96	-2%	2%
8	95	-1%	3%
9	93	-1%	6%
10	92	0%	5%
11	90	3%	7%
12	93	4%	2%
13	96	1%	-2%
14	92	7%	-4%
15	92	1%	-3%
16	91	1%	-5%



BEAM DETAILS



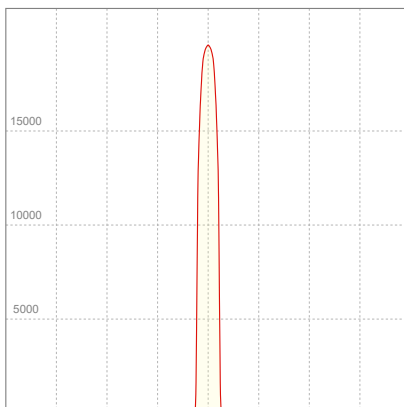
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
19°	21,4°	23,7°	99,2%	98,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	19559lx	4890lx	2173lx	1222lx	782lx	348lx	196lx	87lx	49lx	31lx	22lx	12lx	8lx
Footcand.	1817fcd	454fcd	202fcd	114fcd	73fcd	32fcd	18fcd	8fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,7m	2,5m	3,3m	5m	6,7m	8,4m	10m	13,4m	16,7m
Beam wid.	1,1ft	2,2ft	3,3ft	4,4ft	5,5ft	8,2ft	11ft	16,5ft	22ft	27,5ft	32,9ft	43,9ft	54,9ft

LINEAR DISTRIBUTION DIAGRAM

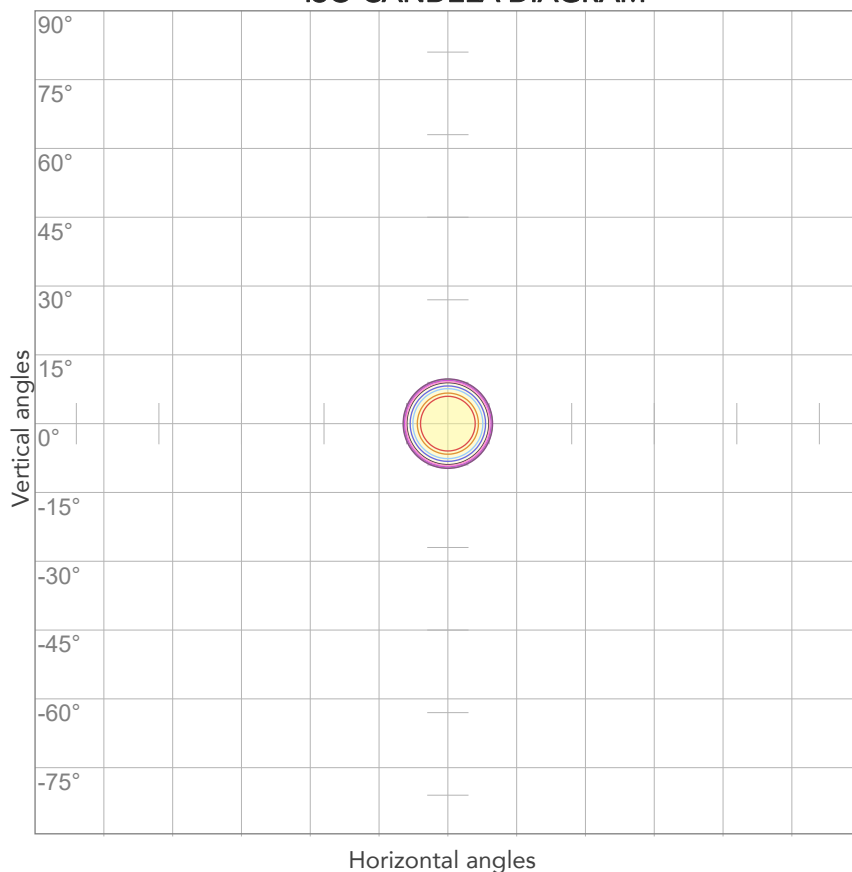


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,153A	33,1W	0,95	48lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



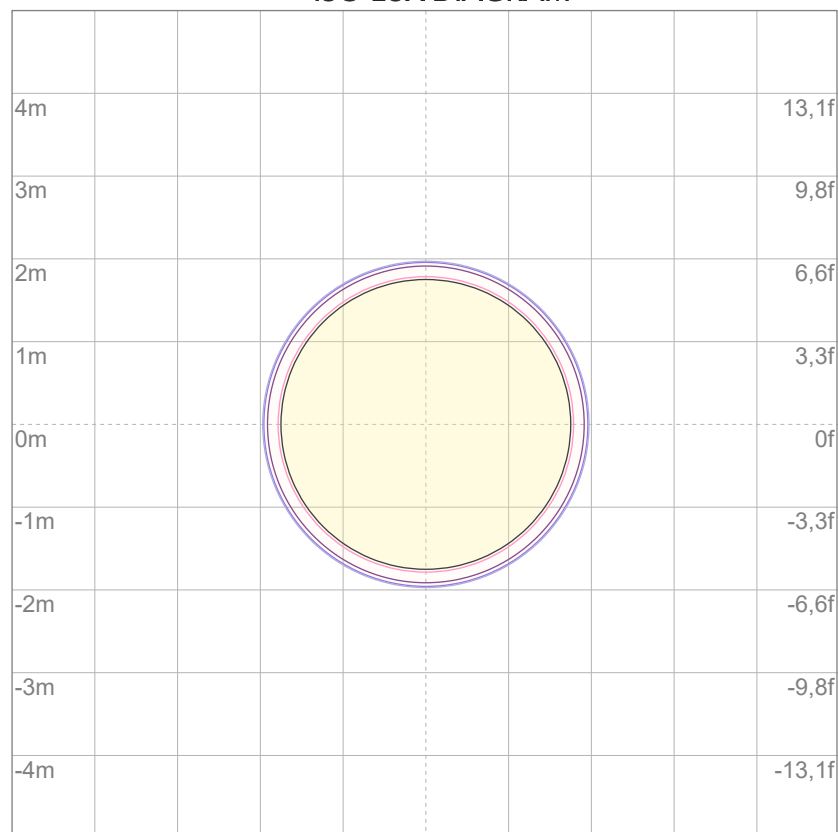
10%	1956 cd
20%	3912 cd
30%	5868 cd
40%	7823 cd
50%	9779 cd
60%	11735 cd
70%	13691 cd
80%	15647 cd

Conditions:

Number of c-planes: 2

Candela at center: 19559 cd

ISO LUX DIAGRAM



3%	5,87 lx
5%	9,78 lx
10%	19,6 lx
30%	58,7 lx
50%	97,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 196 lx

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



Total lumen output:

1302 lm

Peak candela output:

5128 cd

Light quality:

CRI: 98,1

Color temperature:

4032 K

PRODUCT NAME:

ECLDISPLAYCRMX40K

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 HD Max Zoom

Target:

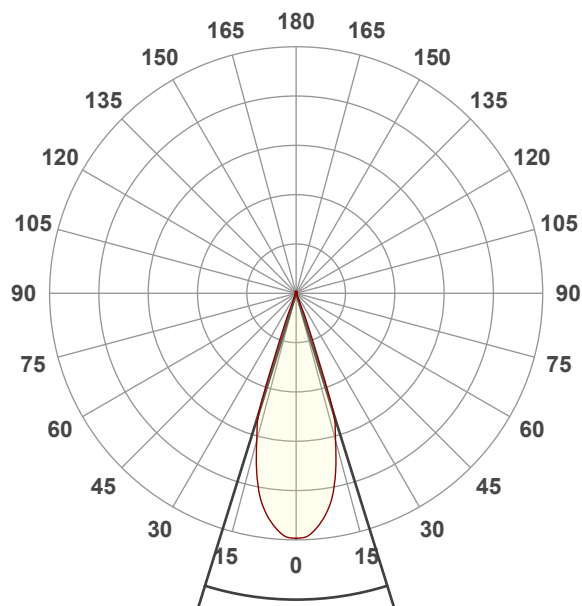
Full On

Operator:

Giacomo Matteo

Date and time:

18/06/2024 12:20:33

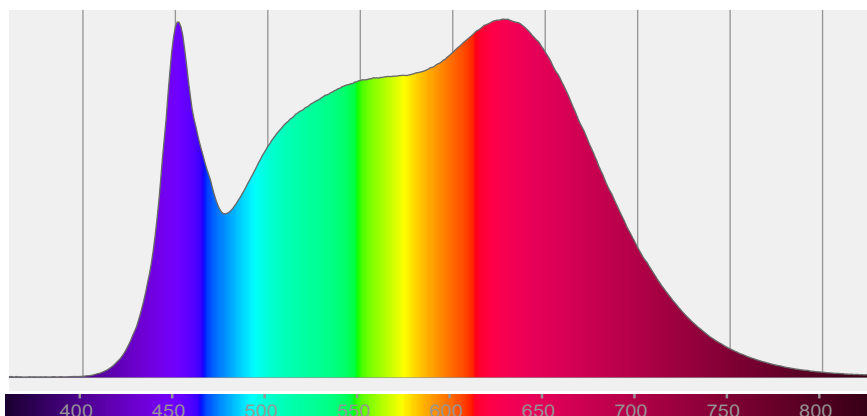


Beam angle 50%: 34,6°

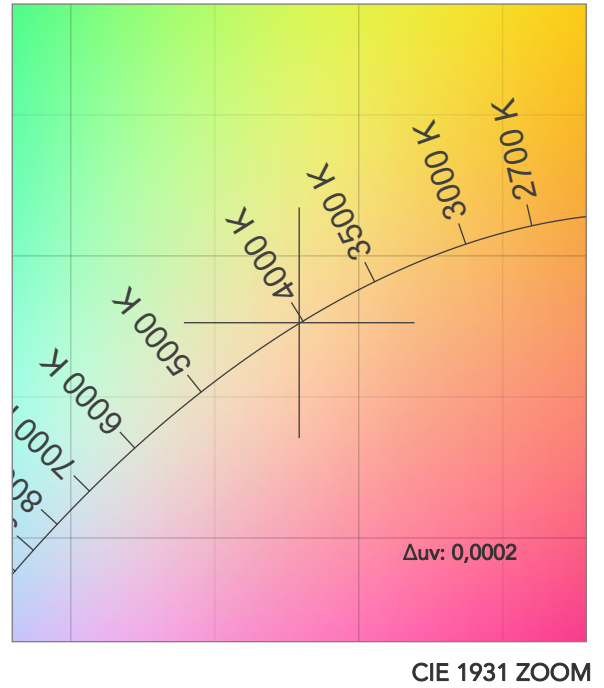
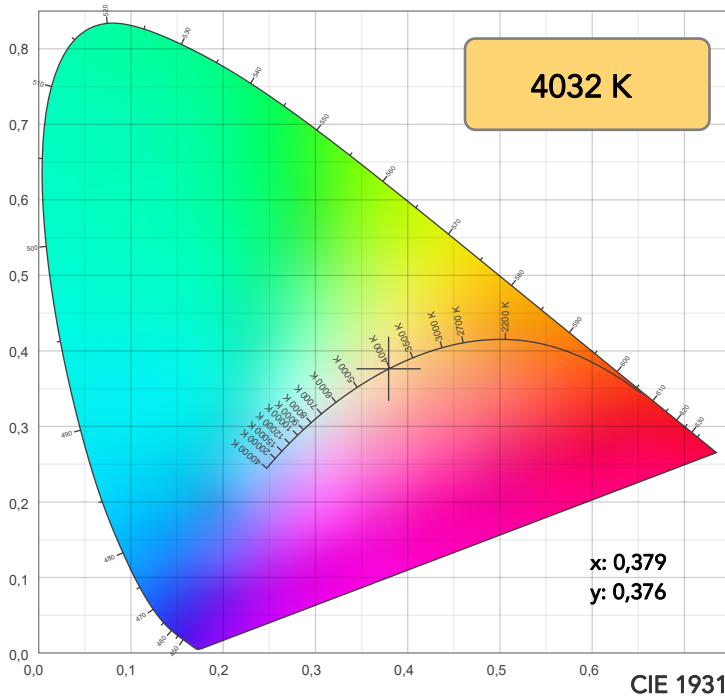
Field angle 10%: 41,7°

Cut off angle 2.5%: 44,3°

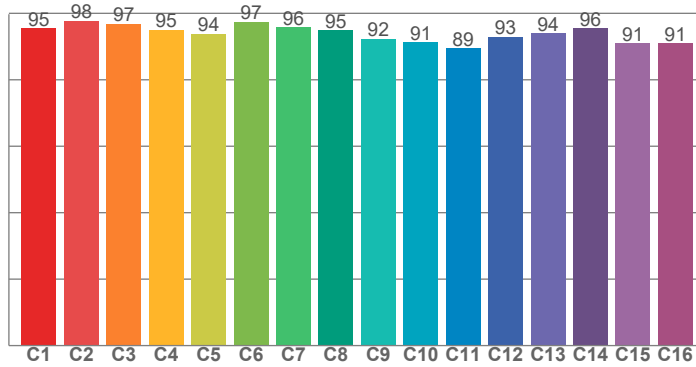
Spectra



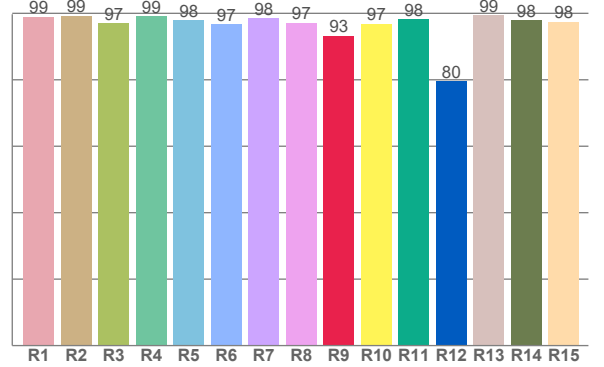
COLOR DETAILS



TM30: 93,9



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
99,0	99,3	97,1	99,1	97,9	96,7	98,4	97,2	93,2	96,9	98,1	79,6	99,5	97,8	97,5

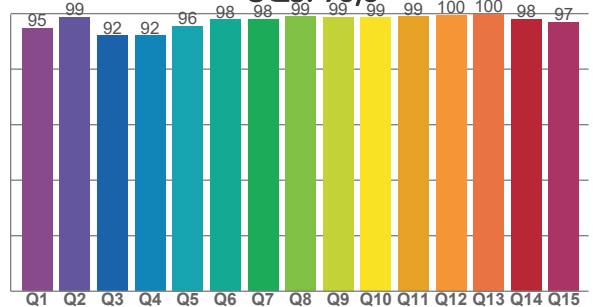
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,7	98,7	92,1	92,1	95,6	97,8	98,0	98,9	98,9	98,6	98,9	99,6	99,8	98,0	96,9

CQS: 96,3



COLOR PARAMETERS

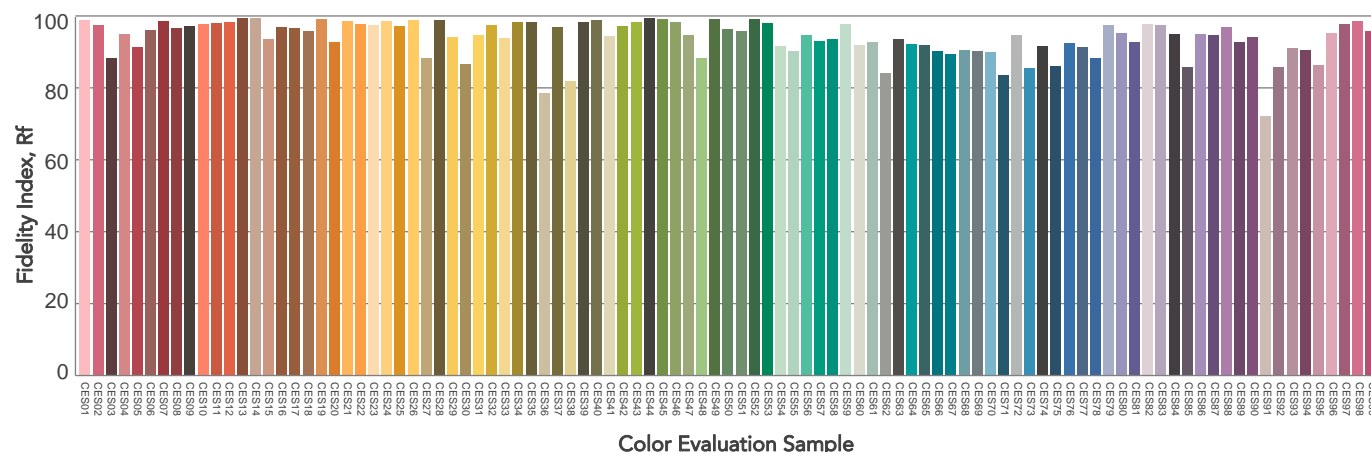
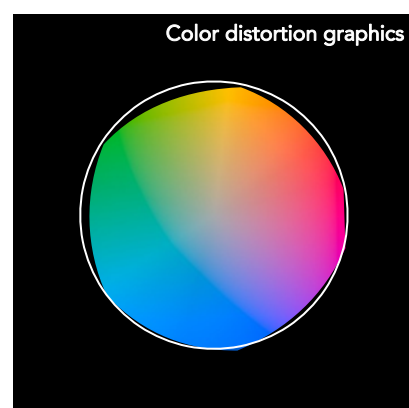
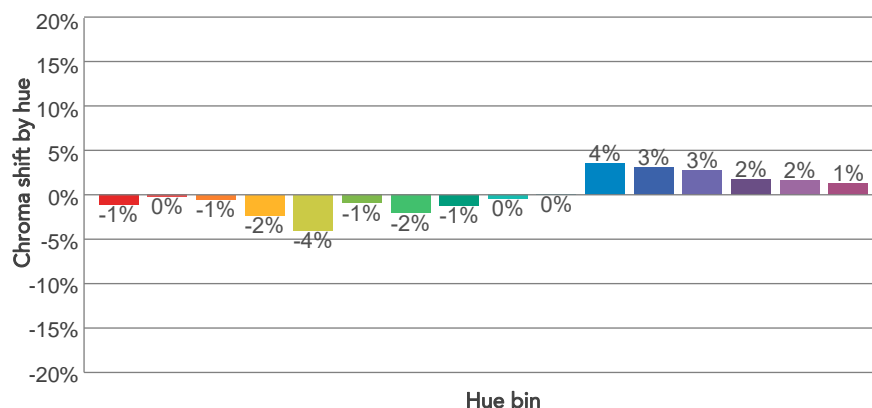
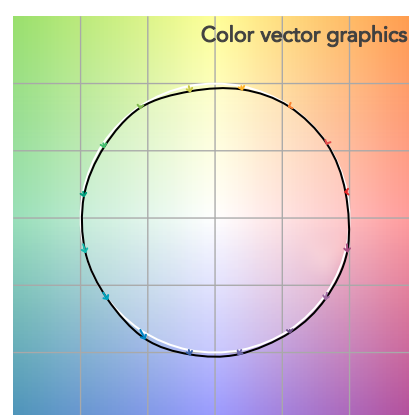
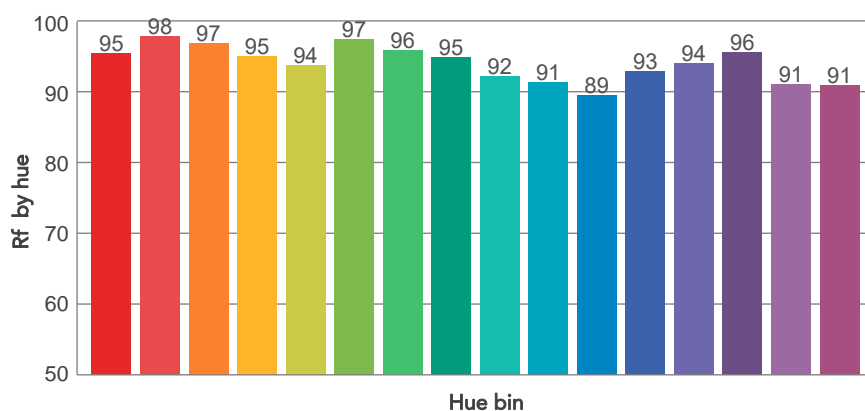
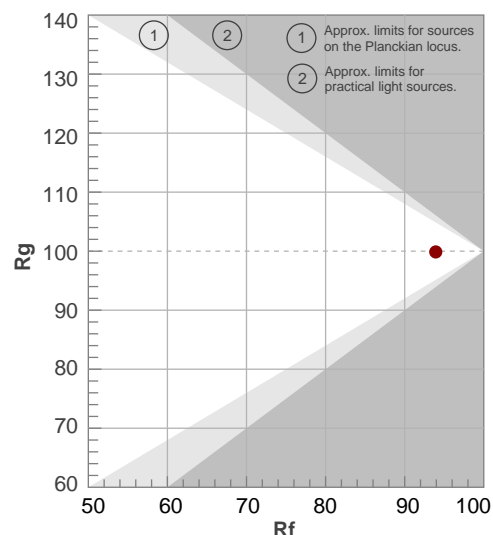
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4032 K	98,1	93,2	93,9	99,9	96,3	98	0,379	0,376	0,0002

TM30 DETAILS

Rf 93,9
Fidelity index Rf

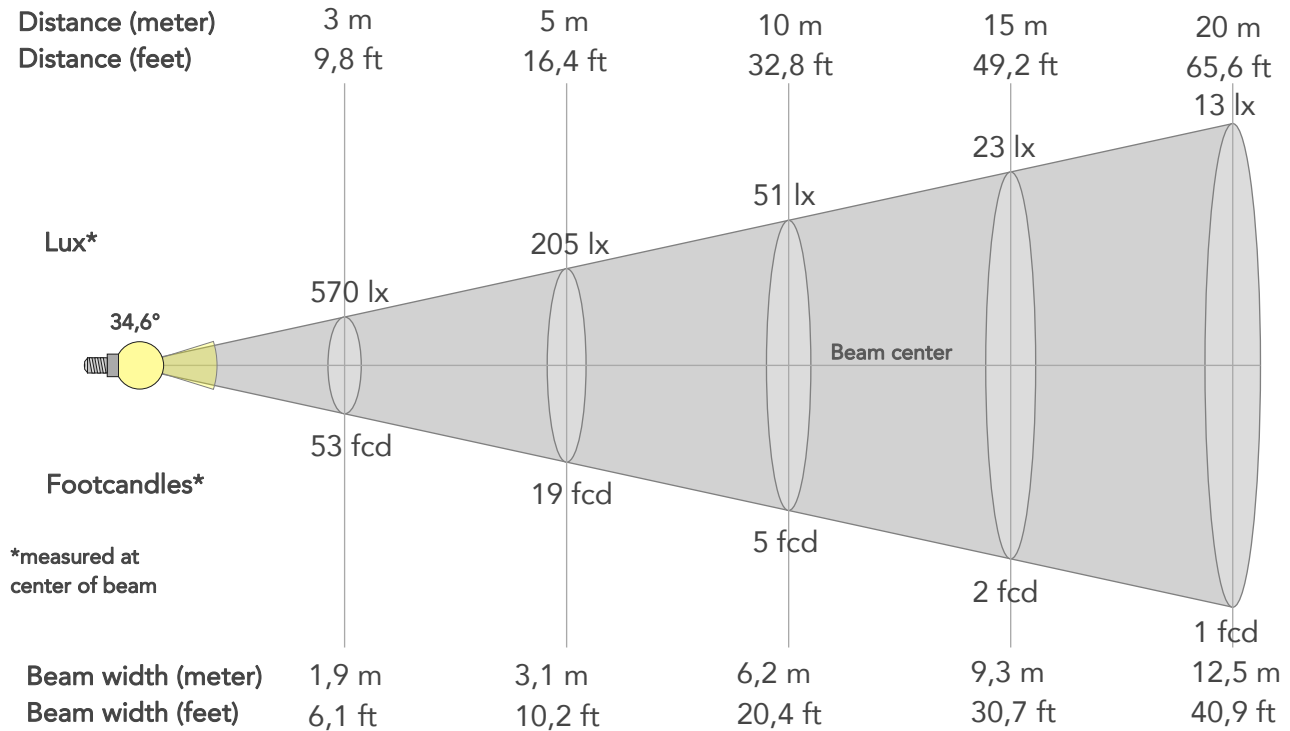
Rg 99,9
Gammut index

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



BEAM DETAILS

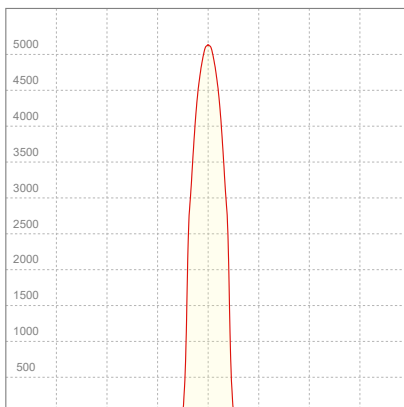
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34,6°	41,7°	44,3°	99,7%	99,6%



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	5128lx	1282lx	570lx	321lx	205lx	91lx	51lx	23lx	13lx	8lx	6lx	3lx	2lx
Footcand.	476fcd	119fcd	53fcd	30fcd	19fcd	8fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,9m	2,5m	3,1m	4,7m	6,2m	9,3m	12,5m	15,6m	18,7m	24,9m	31,2m
Beam wid.	2,1ft	4,1ft	6,1ft	8,2ft	10,2ft	15,3ft	20,4ft	30,7ft	40,9ft	51,1ft	61,3ft	81,8ft	102,2ft

LINEAR DISTRIBUTION DIAGRAM

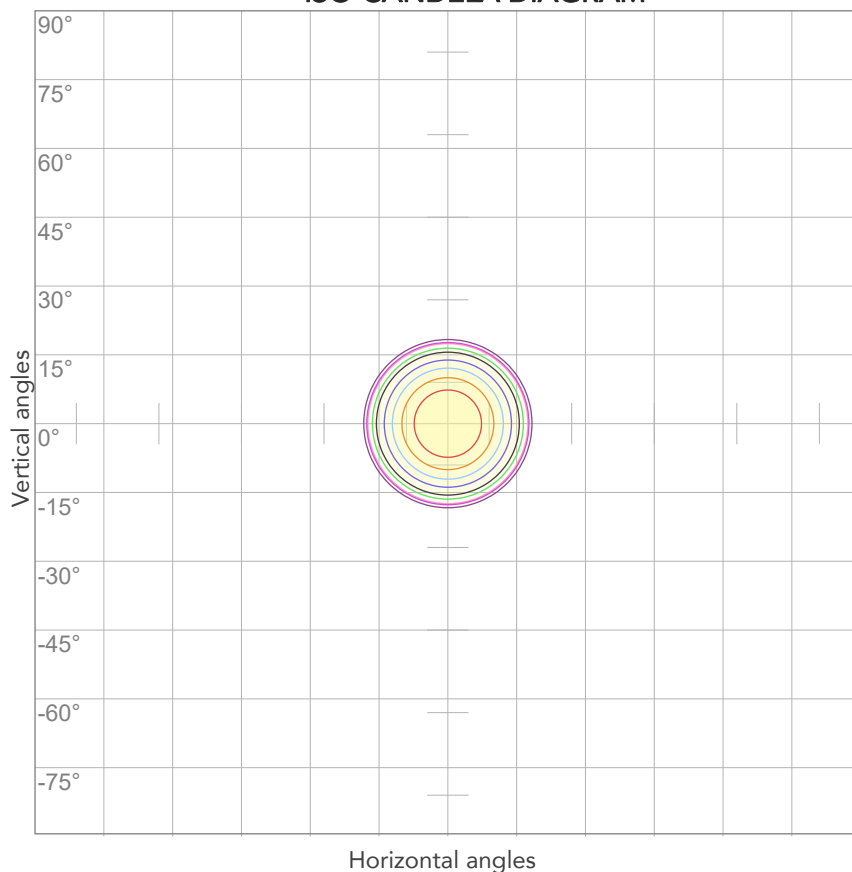


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,153A	33,1W	0,95	39lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



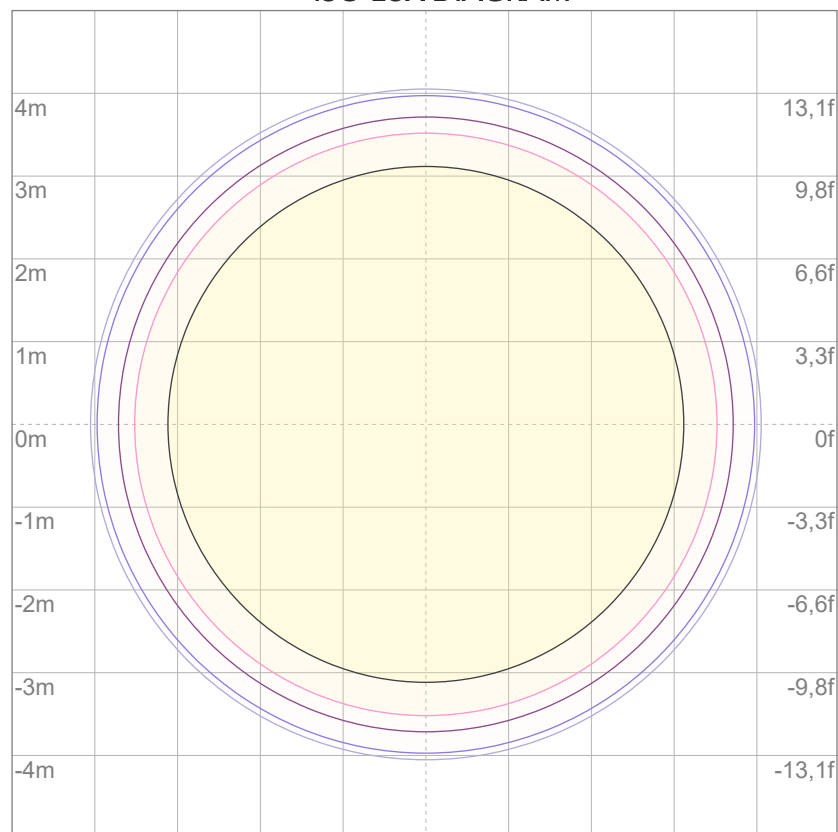
10%	513 cd
20%	1026 cd
30%	1538 cd
40%	2051 cd
50%	2564 cd
60%	3077 cd
70%	3590 cd
80%	4103 cd

Conditions:

Number of c-planes: 2

Candela at center: 5128 cd

ISO LUX DIAGRAM



3%	1,54 lx
5%	2,56 lx
10%	5,13 lx
30%	15,4 lx
50%	25,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 51,3 lx

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



Total lumen output:

1329 lm

Peak candela output:

18700 cd

Light quality:

CRI: 98,3

Color temperature:

4008 K

PRODUCT NAME:

ECLDISPLAYCRMX40K

MEASURAMENT CONDITIONS:

Beam angle:

Profile 2040 HD Min Zoom

Target:

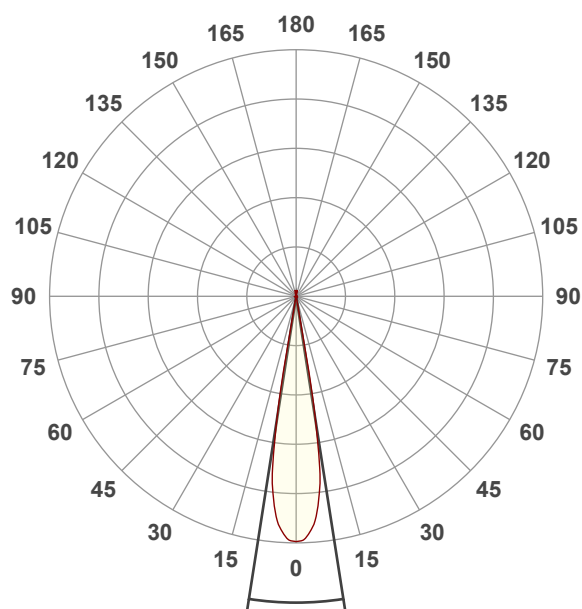
Full On

Operator:

Giacomo Matteo

Date and time:

18/06/2024 12:14:24

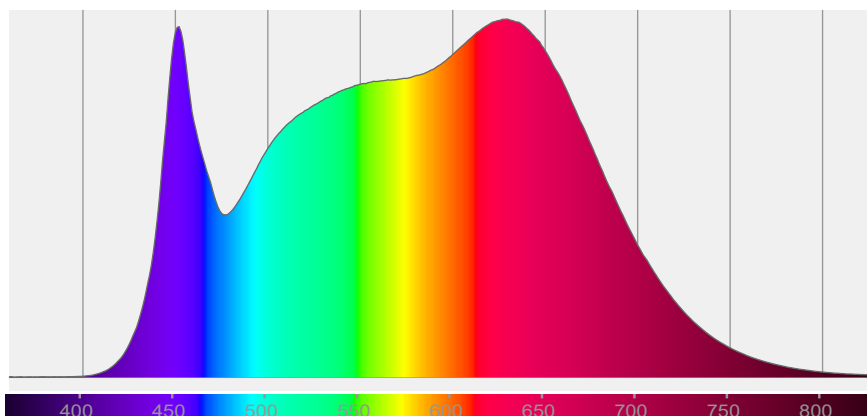


Beam angle 50%: 17,7°

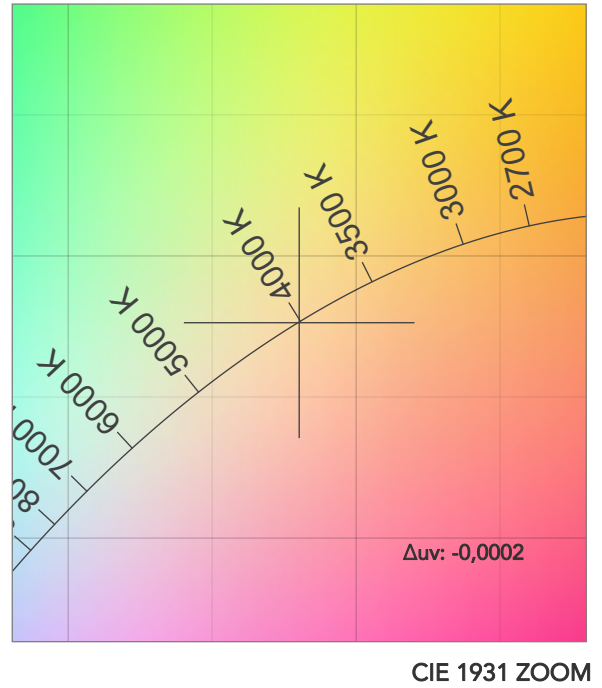
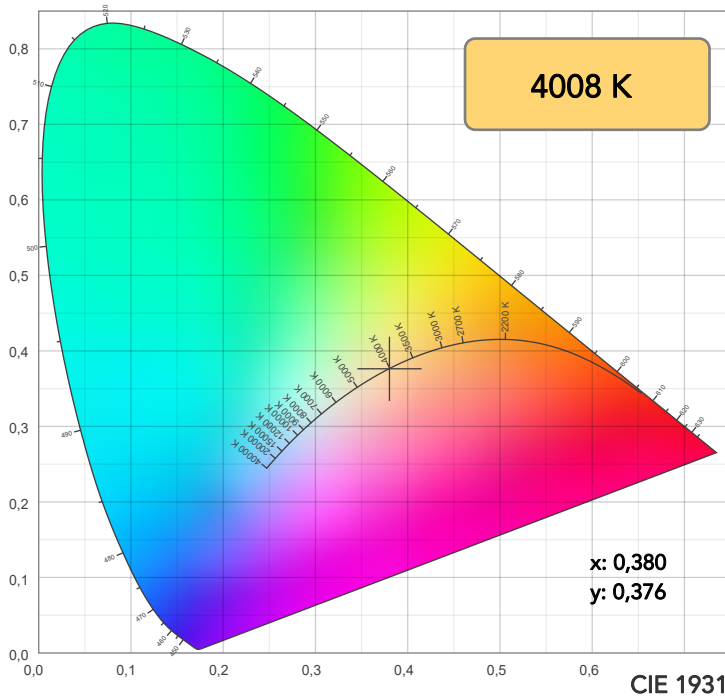
Field angle 10%: 21°

Cut off angle 2.5%: 21,6°

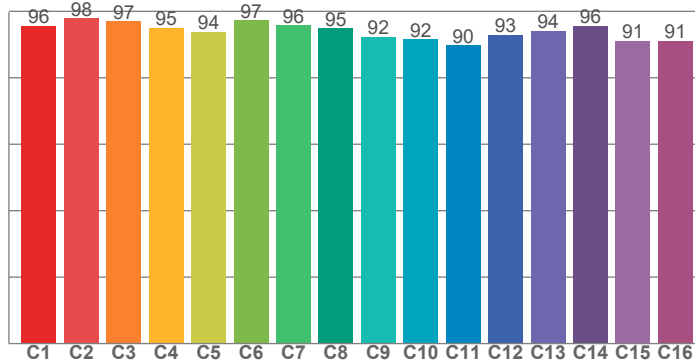
Spectra



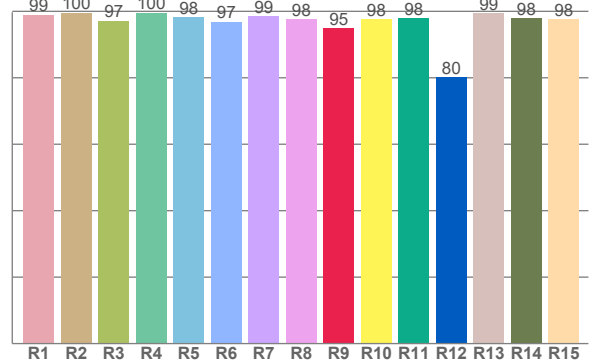
COLOR DETAILS



TM30: 94,0



CRI: 98,3 (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
99,0	99,6	97,2	99,5	98,2	96,8	98,5	97,7	94,8	97,6	97,9	80,1	99,4	97,9	97,7

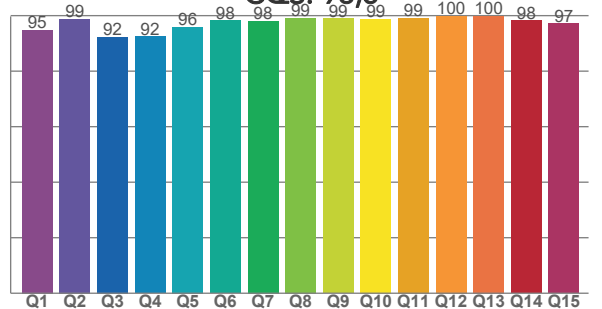
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,7	97,9	97,0	95,0	93,7	97,3	95,8	94,8	92,3	91,6	89,7	93,0	94,1	95,6	91,1	91,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,9	98,8	92,3	92,4	95,9	98,2	98,1	99,1	98,9	98,7	99,1	99,8	99,9	98,3	97,1

CQS: 96,5



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
4008 K	98,3	94,8	94,0	100,0	96,5	98	0,380	0,376	-0,0002

TM30 DETAILS

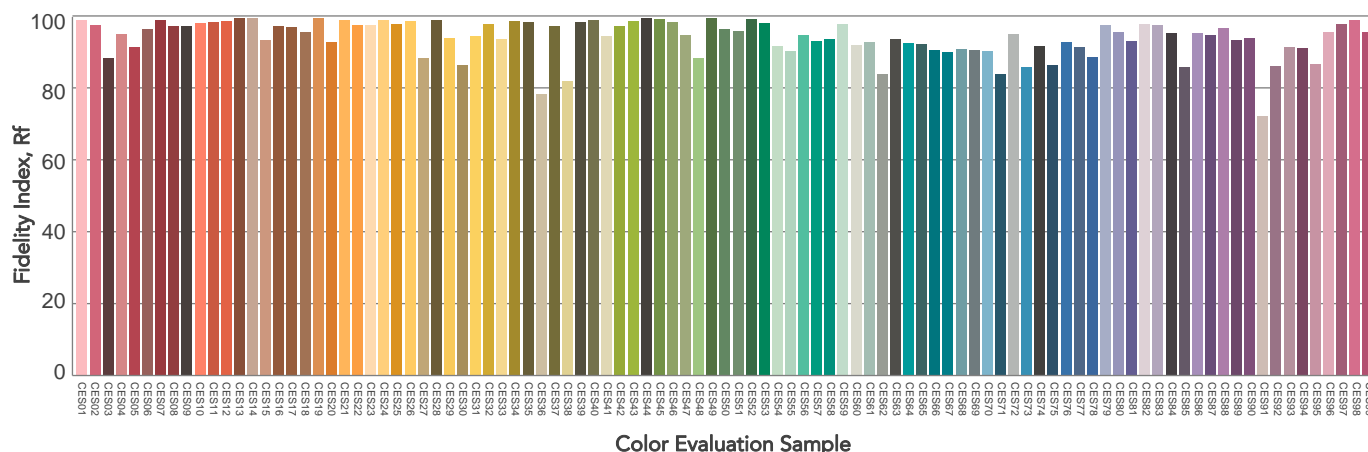
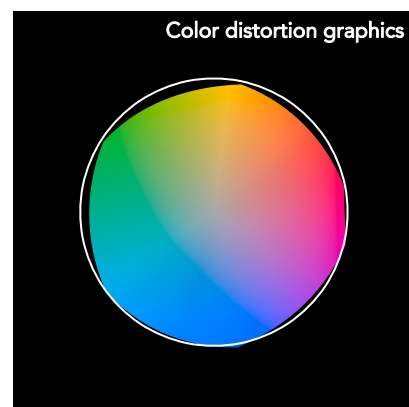
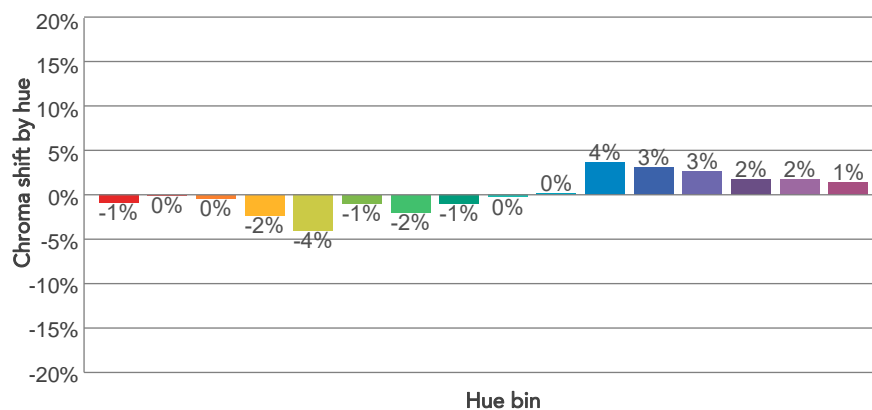
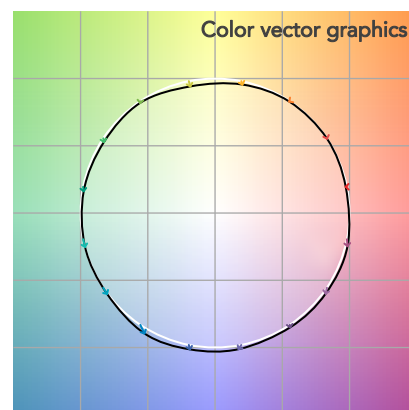
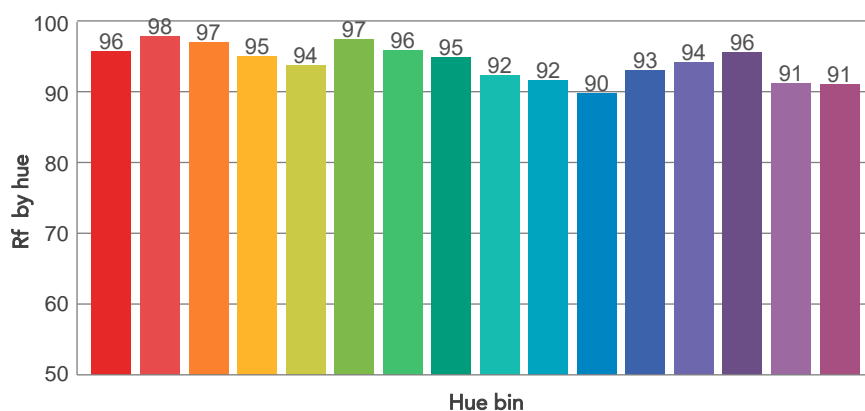
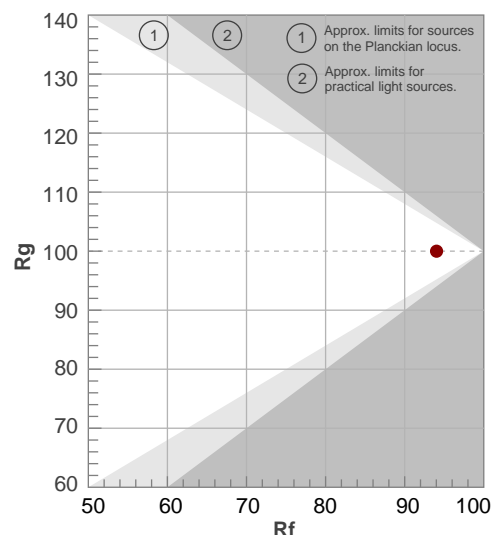
Rf 94,0

Fidelity index Rf

Rg 100,0

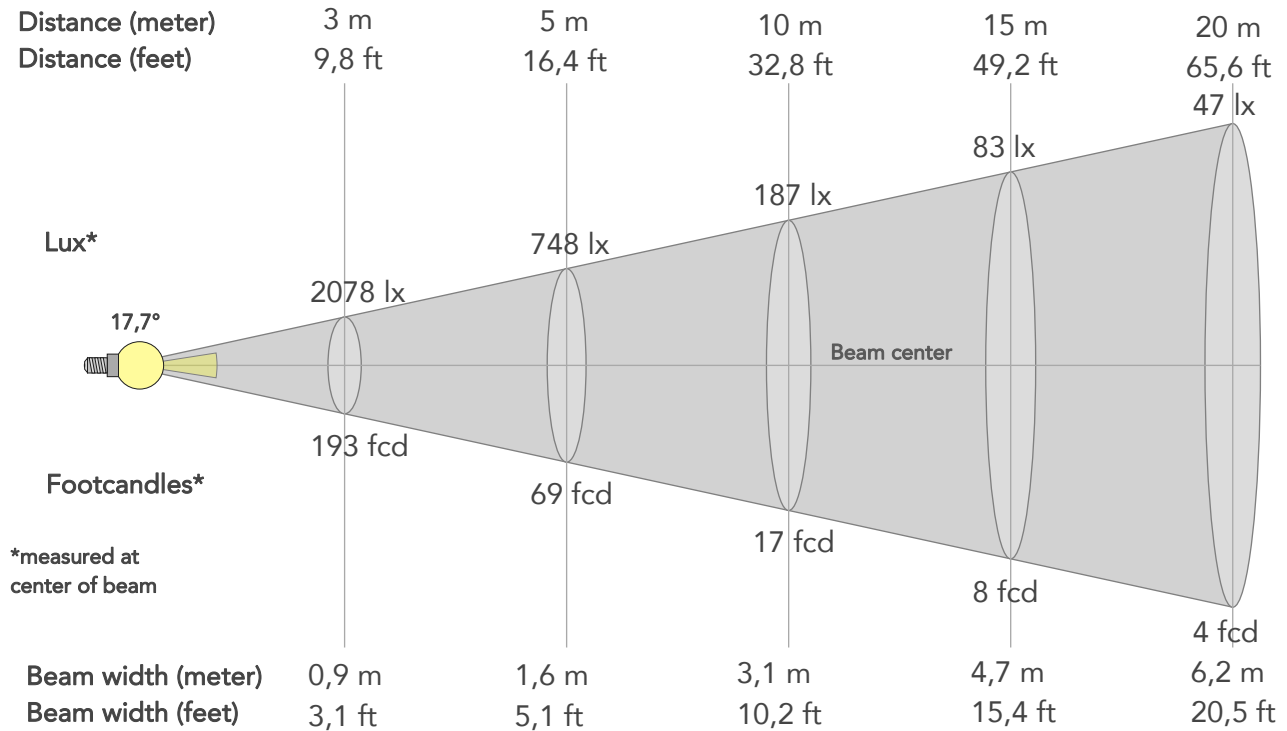
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	0%
2	98	0%	0%
3	97	0%	0%
4	95	-2%	-1%
5	94	-4%	0%
6	97	-1%	1%
7	96	-2%	2%
8	95	-1%	3%
9	92	0%	6%
10	92	0%	5%
11	90	4%	6%
12	93	3%	1%
13	94	3%	-3%
14	96	2%	-1%
15	91	2%	-4%
16	91	1%	-5%



BEAM DETAILS

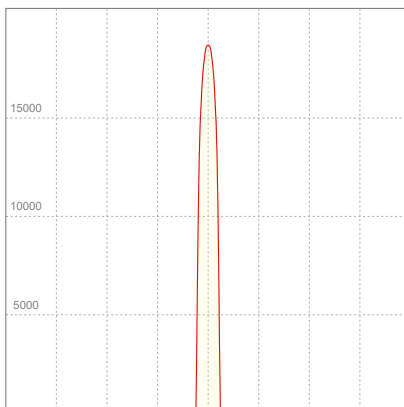
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17,7°	21°	21,6°	99,6%	99,5%



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	18700lx	4675lx	2078lx	1169lx	748lx	332lx	187lx	83lx	47lx	30lx	21lx	12lx	7lx
Footcand.	1737fcd	434fcd	193fcd	109fcd	69fcd	31fcd	17fcd	8fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,3m	0,6m	0,9m	1,2m	1,6m	2,3m	3,1m	4,7m	6,2m	7,8m	9,4m	12,5m	15,6m
Beam wid.	1ft	2,1ft	3,1ft	4,1ft	5,1ft	7,7ft	10,2ft	15,4ft	20,5ft	25,6ft	30,7ft	41ft	51,2ft

LINEAR DISTRIBUTION DIAGRAM

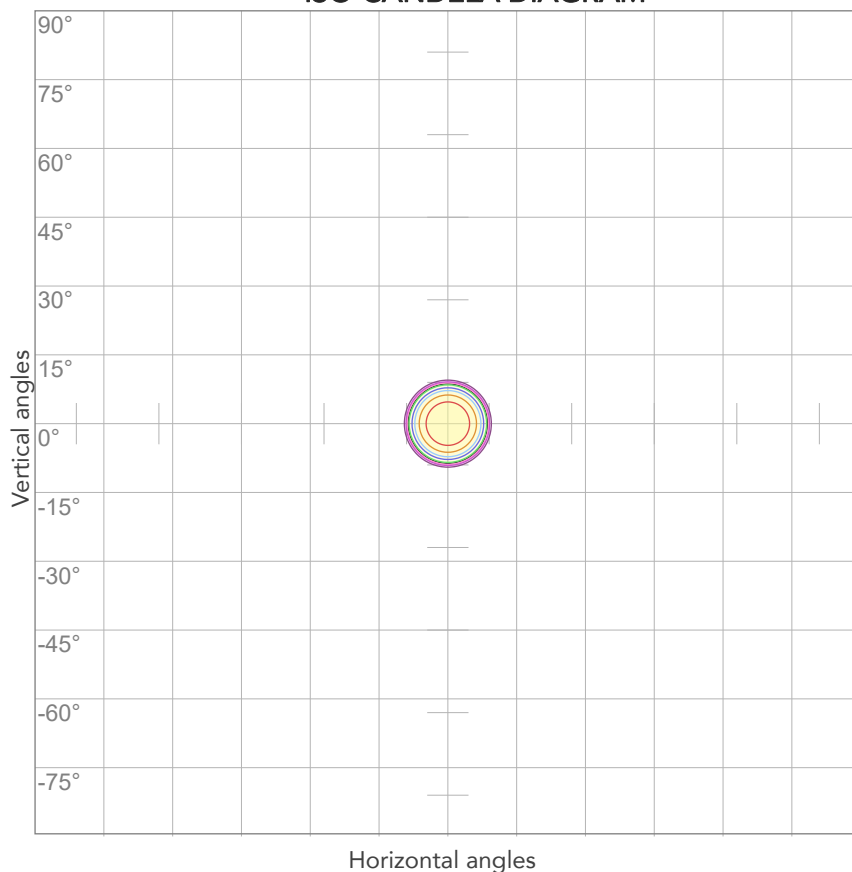


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,154A	33,1W	0,95	40lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



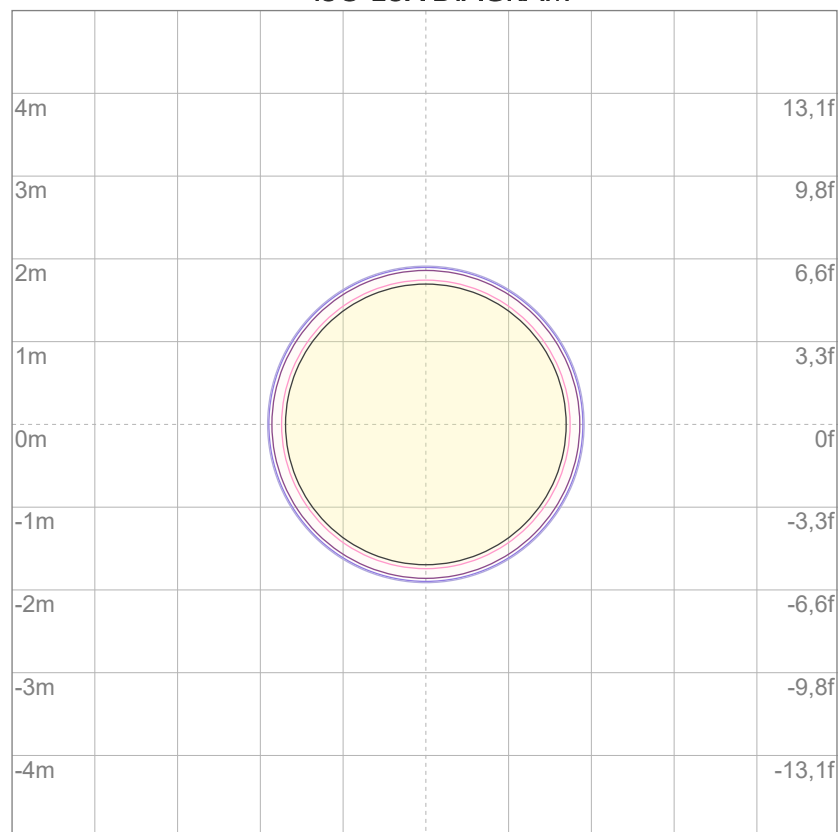
10%	1870 cd
20%	3740 cd
30%	5610 cd
40%	7480 cd
50%	9350 cd
60%	11220 cd
70%	13090 cd
80%	14960 cd

Conditions:

Number of c-planes: 2

Candela at center: 18700 cd

ISO LUX DIAGRAM



3%	5,61 lx
5%	9,35 lx
10%	18,7 lx
30%	56,1 lx
50%	93,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 187 lx

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



Total lumen output:

1549 lm

Peak candela output:

19804 cd

Light quality:

CRI: 98,3

Color temperature:

3851 K

PRODUCT NAME:

ECLDISPLAYCRMX40K

MEASURAMENT CONDITIONS:

Beam angle:

Profile 1020 Max Zoom

Target:

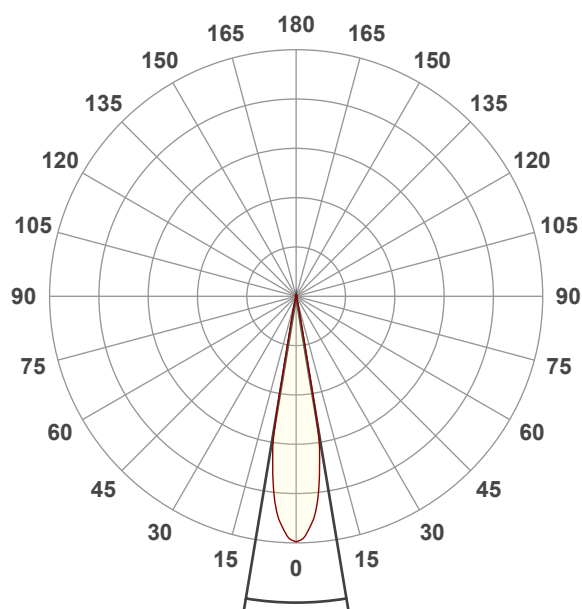
Full On

Operator:

Giacomo Matteo

Date and time:

18/06/2024 12:10:28

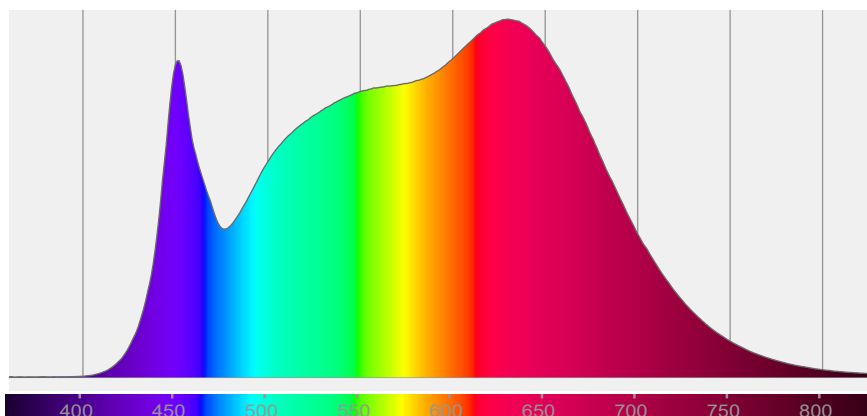


Beam angle 50%: 18,9°

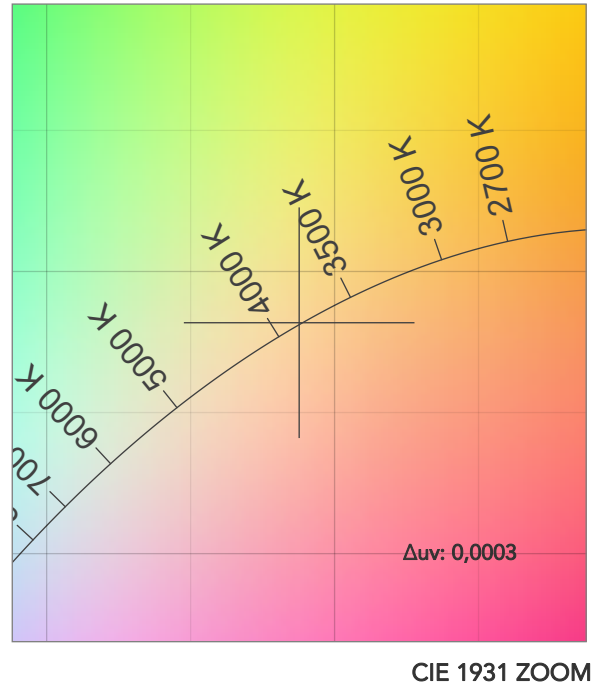
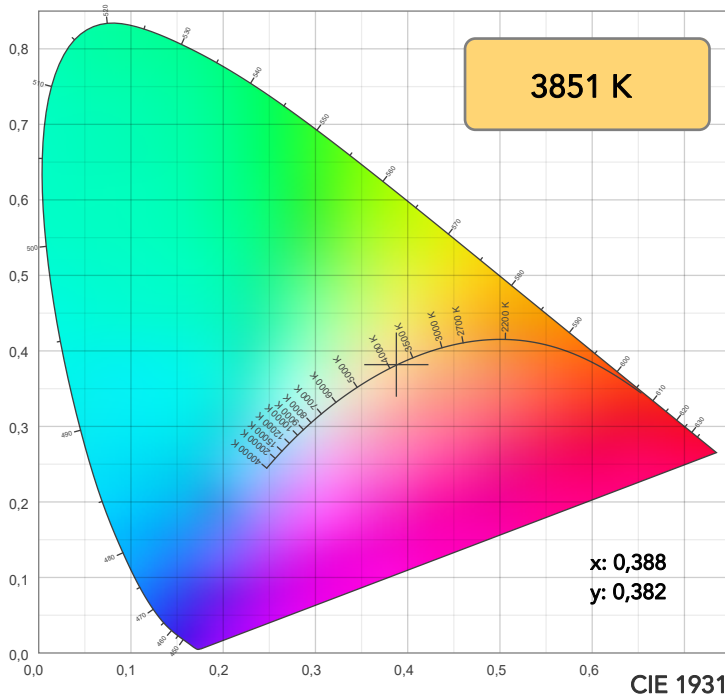
Field angle 10%: 22,1°

Cut off angle 2.5%: 24,2°

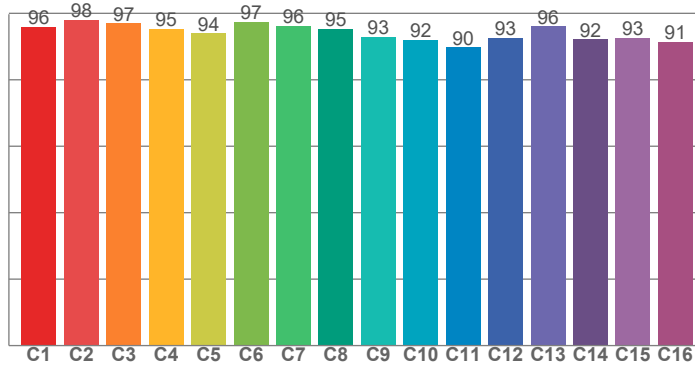
Spectra



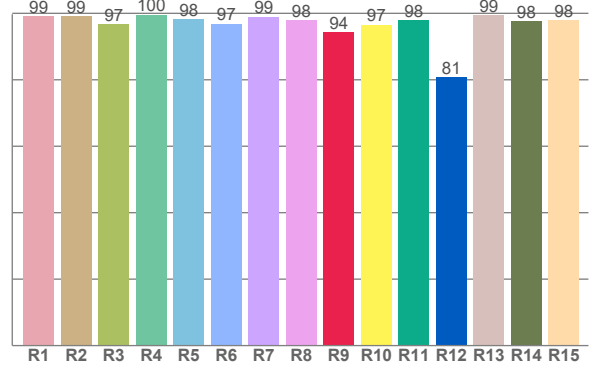
COLOR DETAILS



TM30: 94,3



CRI: 98,3 (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
99,1	99,1	96,7	99,5	98,3	96,9	99,0	97,9	94,4	96,6	97,9	80,7	99,5	97,6	97,8

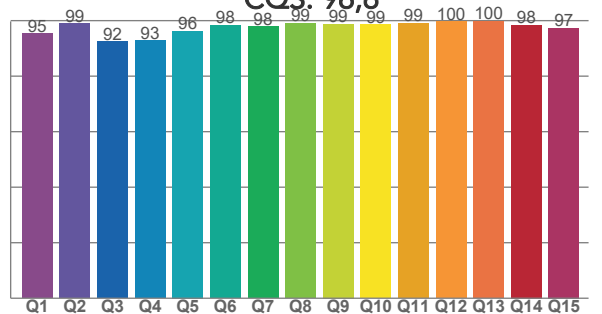
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,9	98,1	97,0	95,3	94,0	97,4	96,2	95,4	92,9	92,0	89,8	92,7	96,1	92,1	92,6	91,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,4	98,9	92,4	92,8	96,3	98,3	97,8	99,1	98,7	98,6	99,1	99,6	99,8	98,4	97,4

CQS: 96,6



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
3851 K	98,3	94,4	94,3	100,2	96,6	99	0,388	0,382	0,0003

TM30 DETAILS

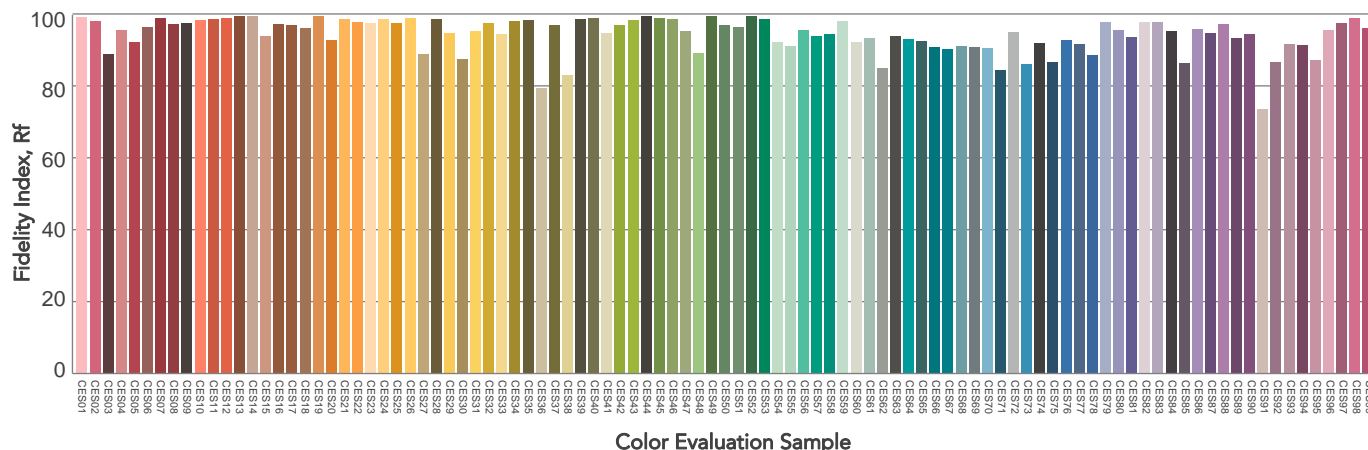
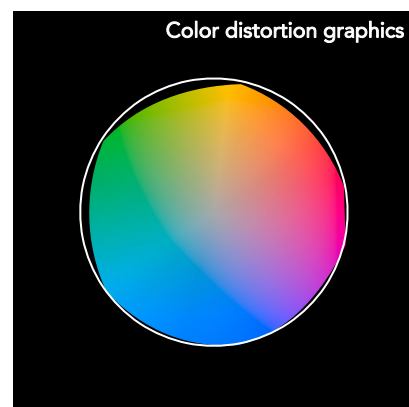
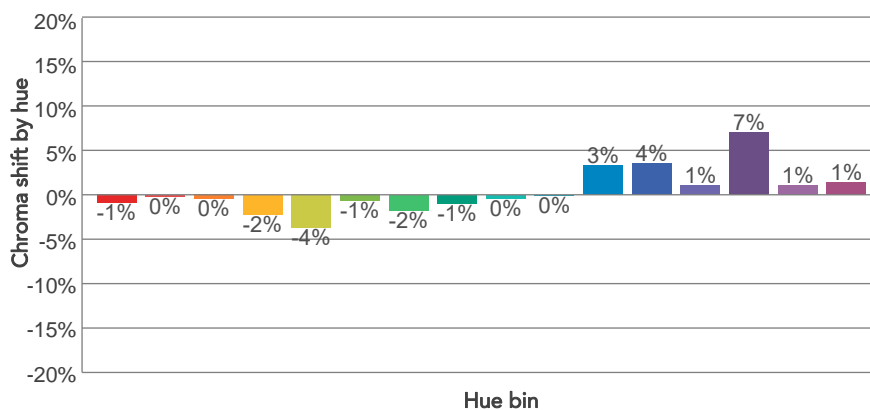
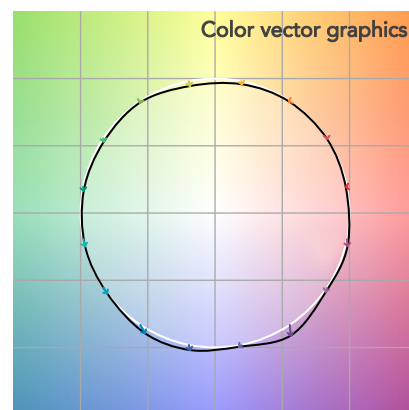
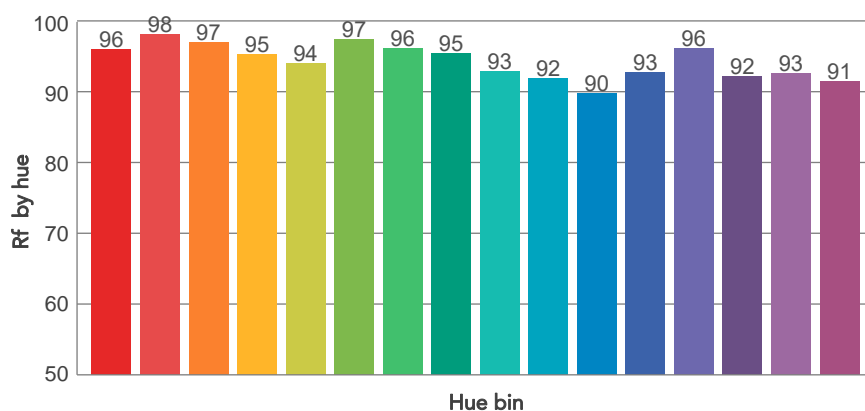
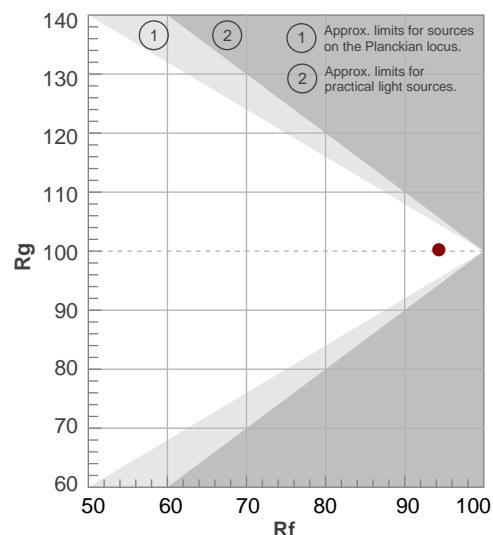
Rf 94,3

Fidelity index Rf

Rg 100,2

Gammut index

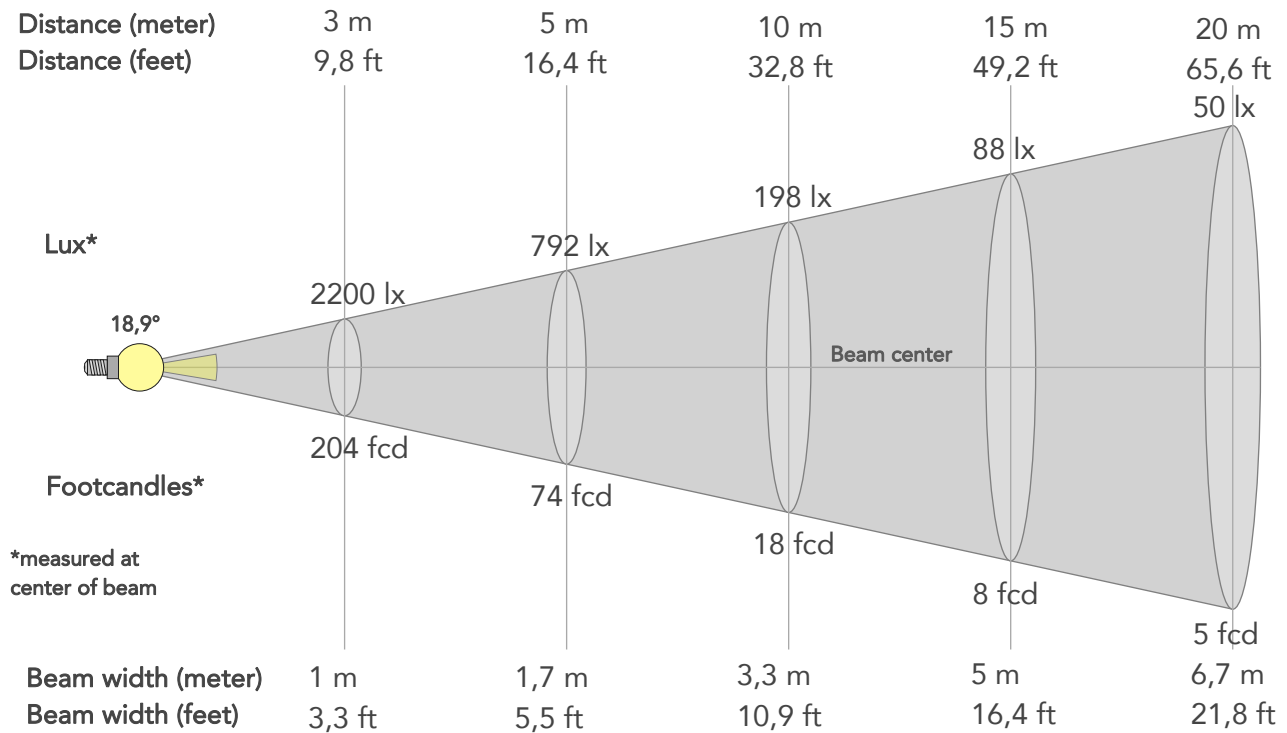
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	0%
2	98	0%	0%
3	97	0%	0%
4	95	-2%	-1%
5	94	-4%	0%
6	97	-1%	1%
7	96	-2%	2%
8	95	-1%	3%
9	93	0%	5%
10	92	0%	5%
11	90	3%	6%
12	93	4%	2%
13	96	1%	-2%
14	92	7%	-4%
15	93	1%	-3%
16	91	1%	-5%



BEAM DETAILS



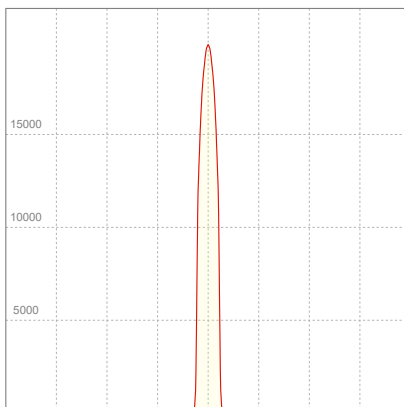
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,9°	22,1°	24,2°	99,2%	99,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	19804lx	4951lx	2200lx	1238lx	792lx	352lx	198lx	88lx	50lx	32lx	22lx	12lx	8lx
Footcand.	1840fcd	460fcd	204fcd	115fcd	74fcd	33fcd	18fcd	8fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,3m	0,7m	1m	1,3m	1,7m	2,5m	3,3m	5m	6,7m	8,3m	10m	13,3m	16,6m
Beam wid.	1,1ft	2,2ft	3,3ft	4,4ft	5,5ft	8,2ft	10,9ft	16,4ft	21,8ft	27,3ft	32,8ft	43,7ft	54,6ft

LINEAR DISTRIBUTION DIAGRAM

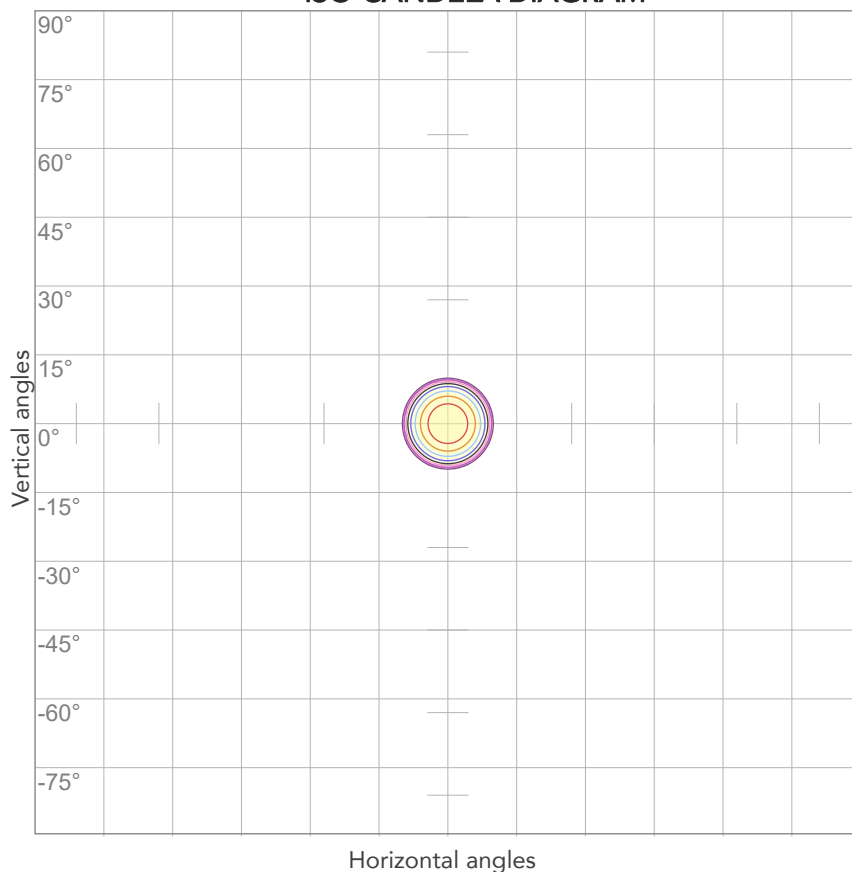


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,154A	33,2W	0,95	47lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



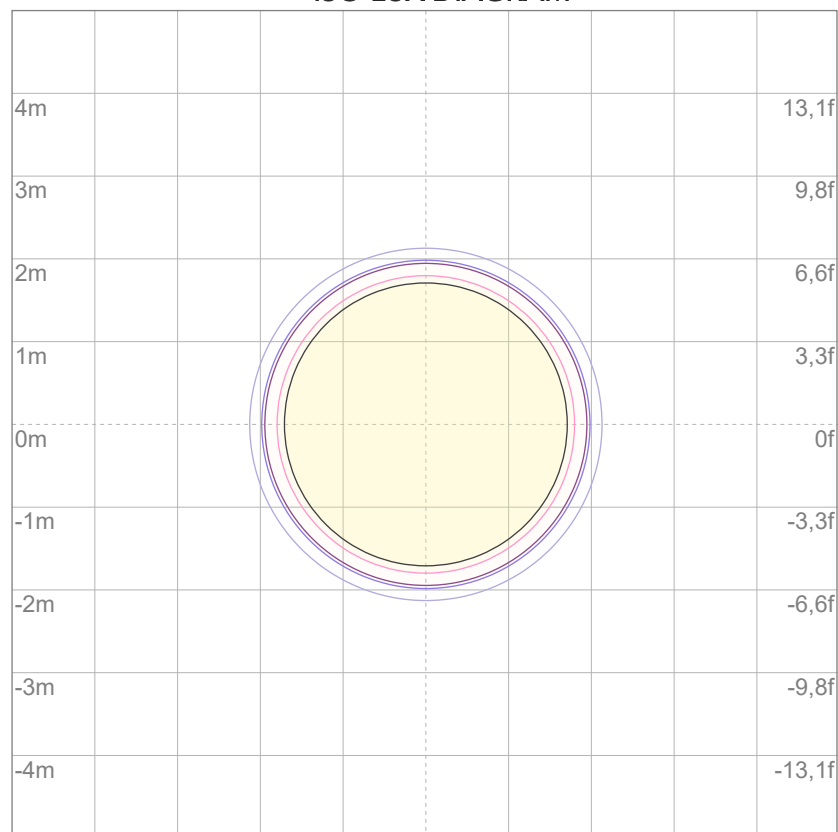
10%	1980 cd
20%	3961 cd
30%	5941 cd
40%	7922 cd
50%	9902 cd
60%	11882 cd
70%	13863 cd
80%	15843 cd

Conditions:

Number of c-planes: 2

Candela at center: 19804 cd

ISO LUX DIAGRAM



3%	5,94 lx
5%	9,90 lx
10%	19,8 lx
30%	59,4 lx
50%	99,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 198 lx

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



Total lumen output:

1495 lm

Peak candela output:

67921 cd

Light quality:

CRI: 98,3

Color temperature:

3877 K

PRODUCT NAME:
ECLDISPLAYCRM40K

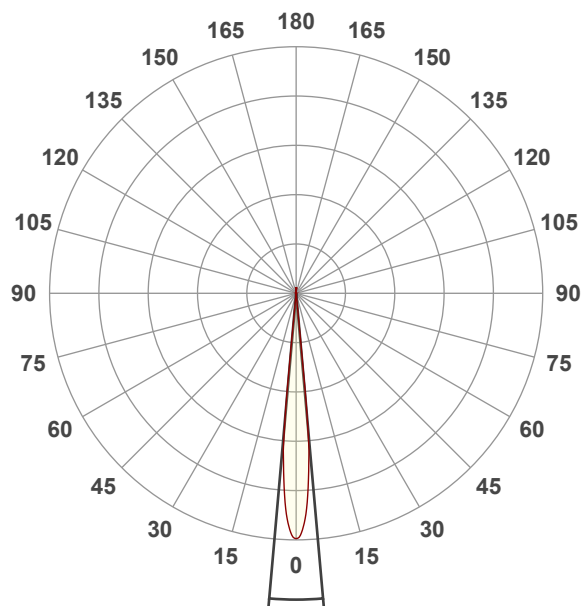
MEASURAMENT CONDITIONS:

Beam angle:
Profile 1020 Min Zoom

Target:
Full On

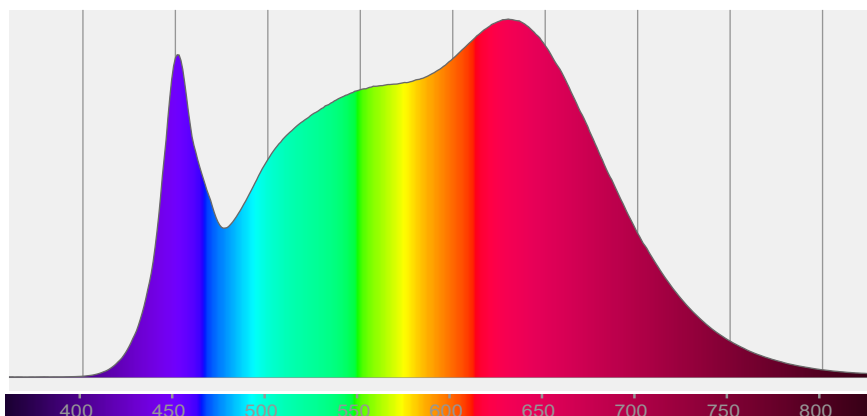
Operator:
Giacomo Matteo

Date and time:
18/06/2024 12:08:27

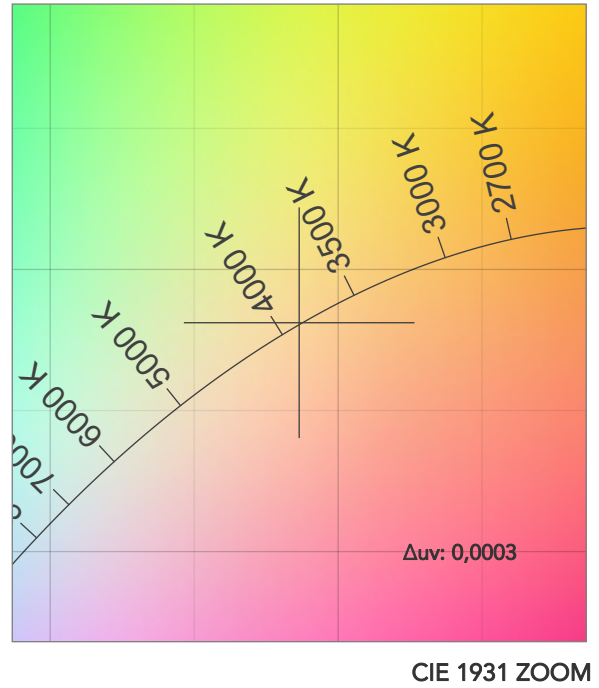
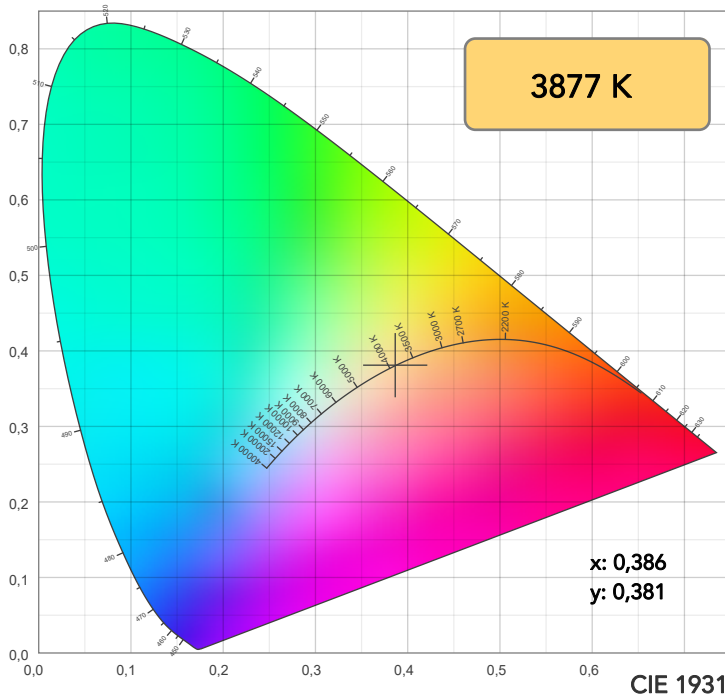


Beam angle 50%: 10,1°
Field angle 10%: 11,3°
Cut off angle 2.5%: 11,5°

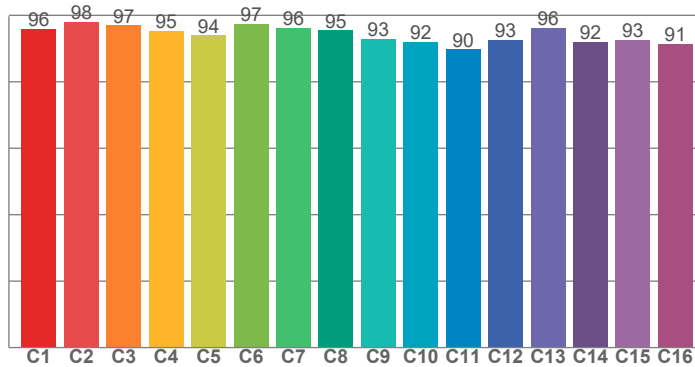
Spectra



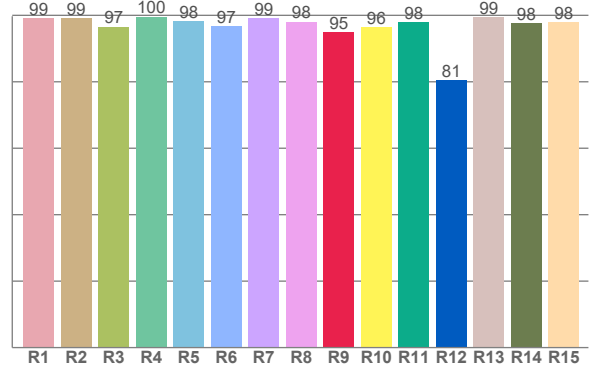
COLOR DETAILS



TM30: 94,3



CRI: 98,3 (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
99,1	99,1	96,6	99,5	98,3	96,8	99,1	98,1	94,8	96,5	97,8	80,6	99,5	97,5	97,8

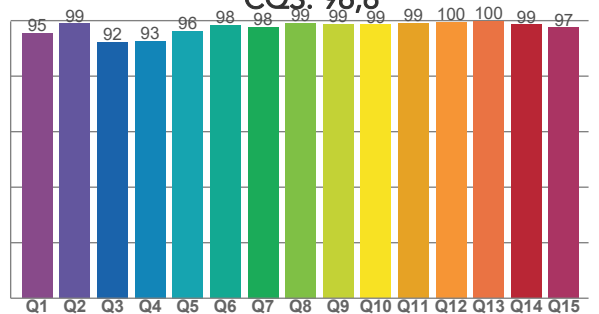
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,0	98,1	97,0	95,3	94,0	97,5	96,2	95,4	92,9	91,9	89,7	92,6	96,2	92,1	92,6	91,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,5	99,0	92,3	92,7	96,3	98,3	97,8	99,1	98,7	98,5	99,0	99,6	99,7	98,5	97,5

CQS: 96,6



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
3877 K	98,3	94,8	94,3	100,3	96,6	99	0,386	0,381	0,0003

TM30 DETAILS

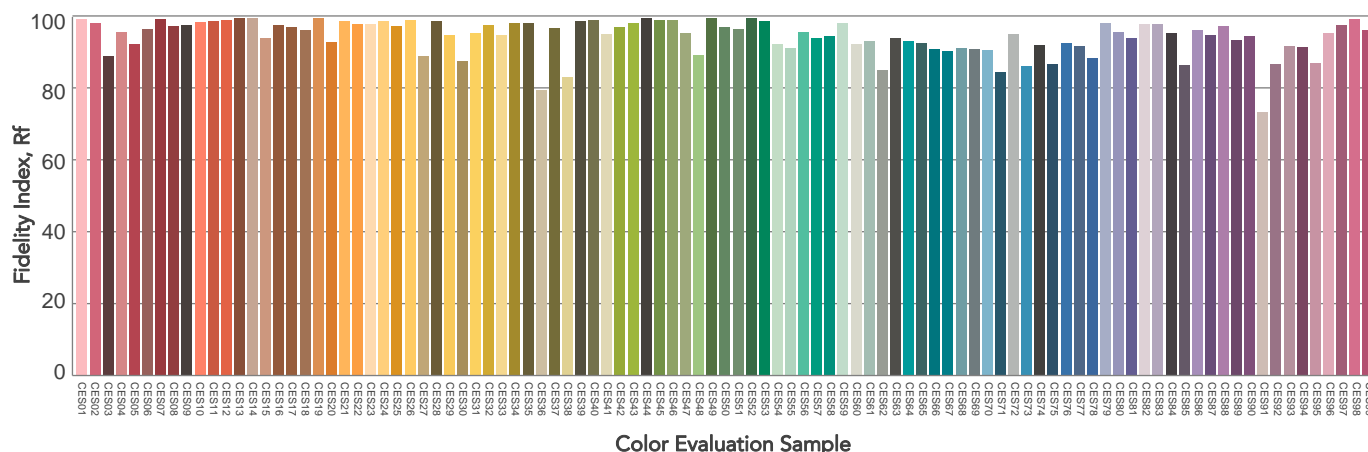
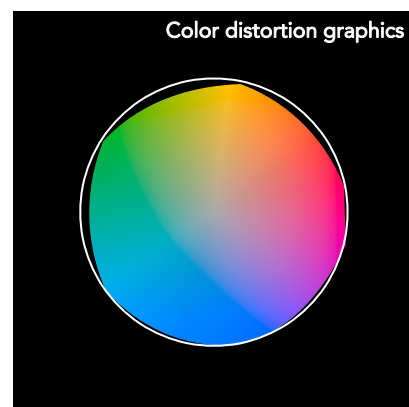
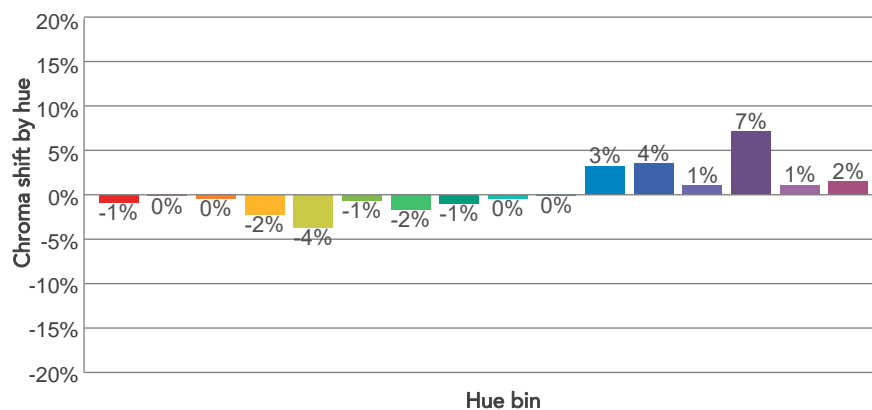
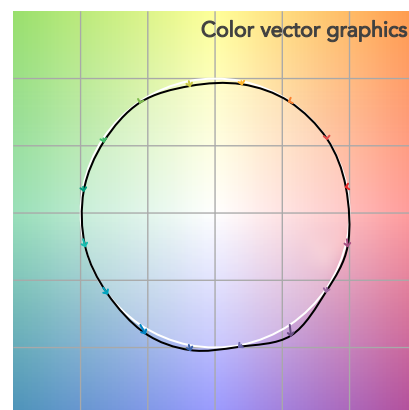
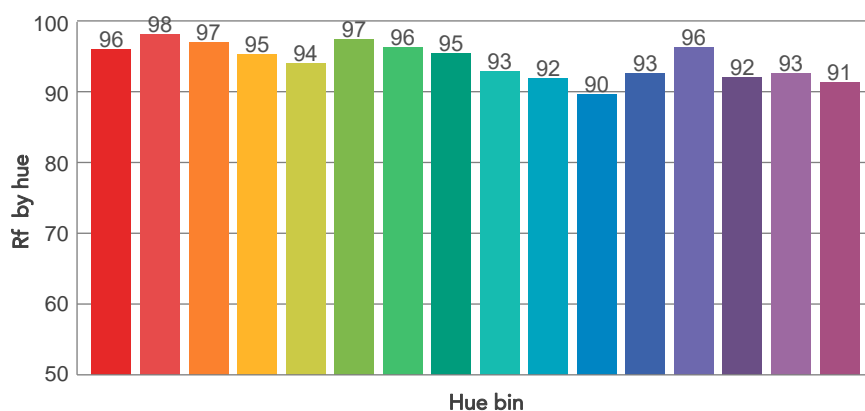
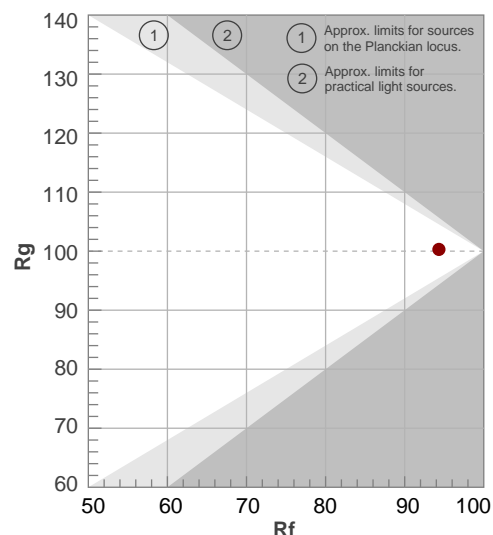
Rf 94,3

Fidelity index Rf

Rg 100,3

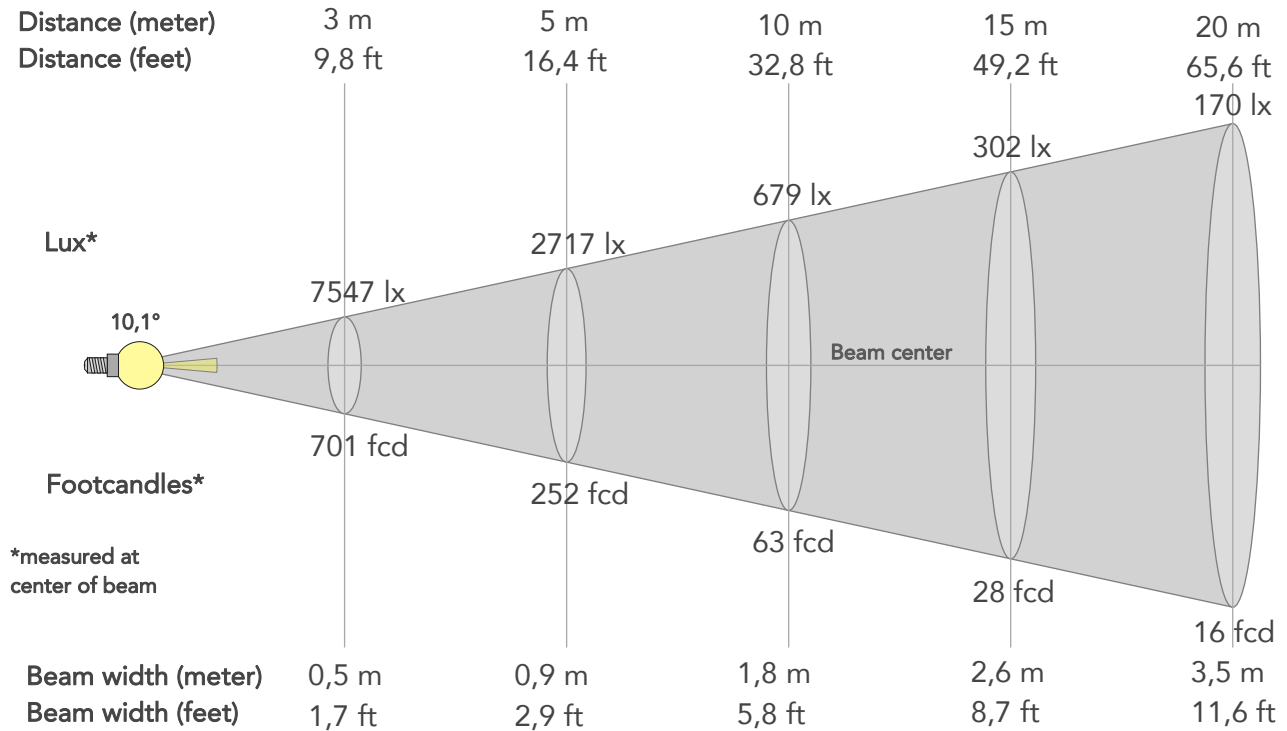
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	0%
2	98	0%	0%
3	97	0%	0%
4	95	-2%	-1%
5	94	-4%	0%
6	97	-1%	1%
7	96	-2%	2%
8	95	-1%	3%
9	93	0%	5%
10	92	0%	5%
11	90	3%	6%
12	93	4%	2%
13	96	1%	-2%
14	92	7%	-4%
15	93	1%	-3%
16	91	2%	-5%



BEAM DETAILS

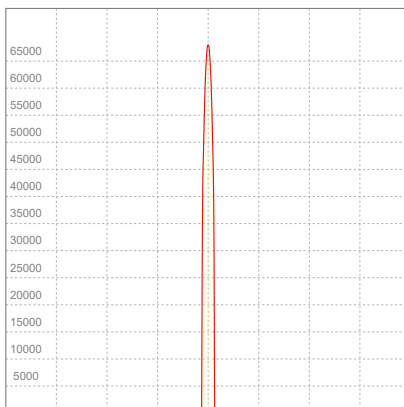
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,1°	11,3°	11,5°	99,2%	99,0%



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	67921lx	16980lx	7547lx	4245lx	2717lx	1207lx	679lx	302lx	170lx	109lx	75lx	42lx	27lx
Footcand.	6310fcd	1578fcd	701fcd	394fcd	252fcd	112fcd	63fcd	28fcd	16fcd	10fcd	7fcd	4fcd	3fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,6m	3,5m	4,4m	5,3m	7,1m	8,8m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,3ft	5,8ft	8,7ft	11,6ft	14,5ft	17,4ft	23,1ft	28,9ft

LINEAR DISTRIBUTION DIAGRAM

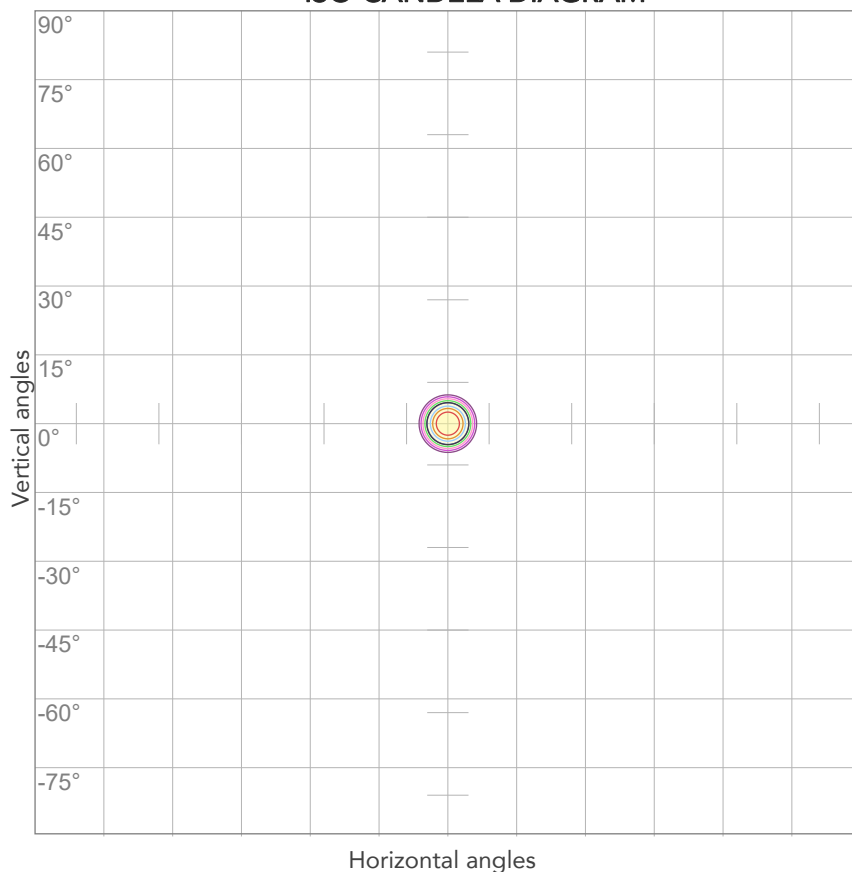


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,154A	33,3W	0,95	45lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



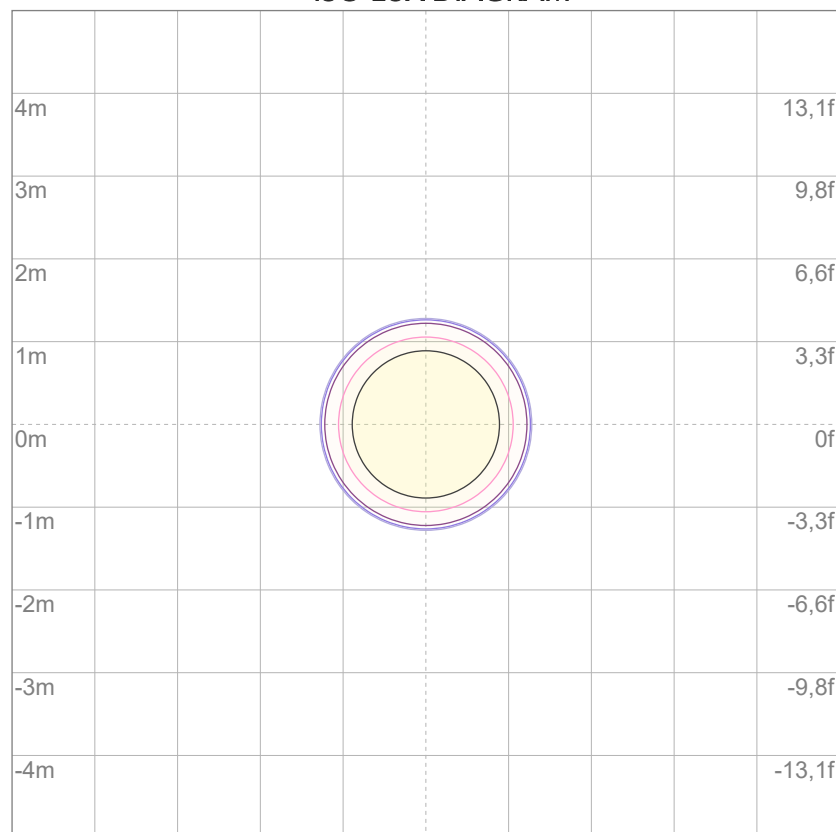
10%	6792 cd
20%	13584 cd
30%	20376 cd
40%	27168 cd
50%	33960 cd
60%	40753 cd
70%	47545 cd
80%	54337 cd

Conditions:

Number of c-planes: 2

Candela at center: 67921 cd

ISO LUX DIAGRAM



3%	20,4 lx
5%	34,0 lx
10%	67,9 lx
30%	204 lx
50%	340 lx

Conditions:

Number of c-planes: 2

Lux at center: 679 lx

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



Total lumen output:

1639 lm

Peak candela output:

5797 cd

Light quality:

CRI: 98,2

Color temperature:

3766 K

PRODUCT NAME:
ECLDISPLAYCRMX40K

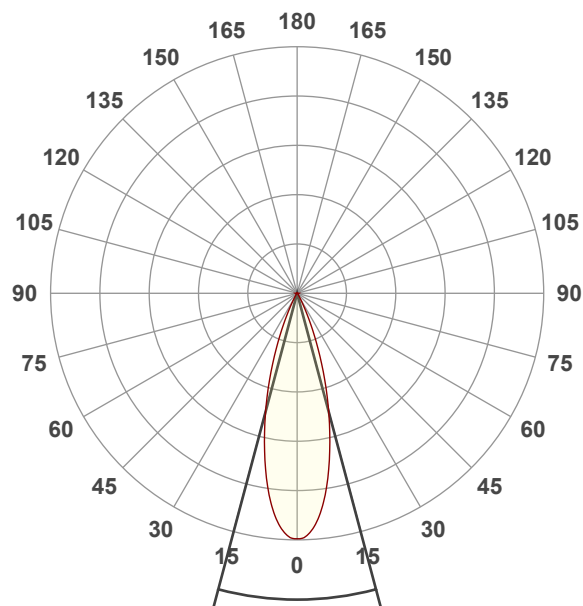
MEASURAMENT CONDITIONS:

Beam angle:
Wash 1530 Max Zoom

Target:
Full On

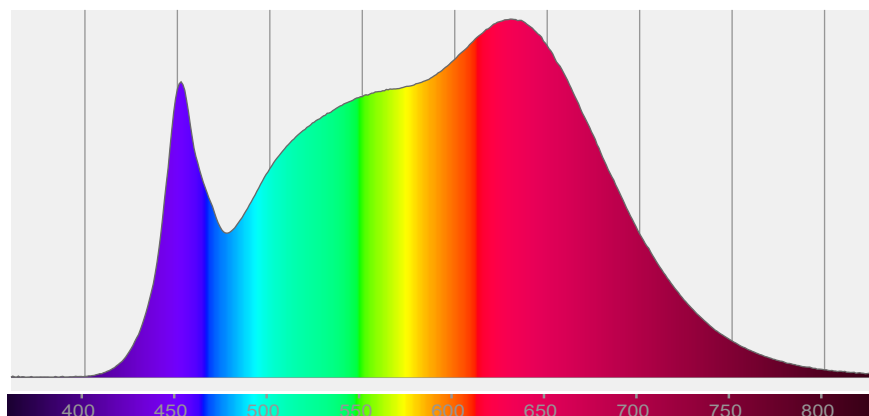
Operator:
Giacomo Matteo

Date and time:
18/06/2024 12:31:38

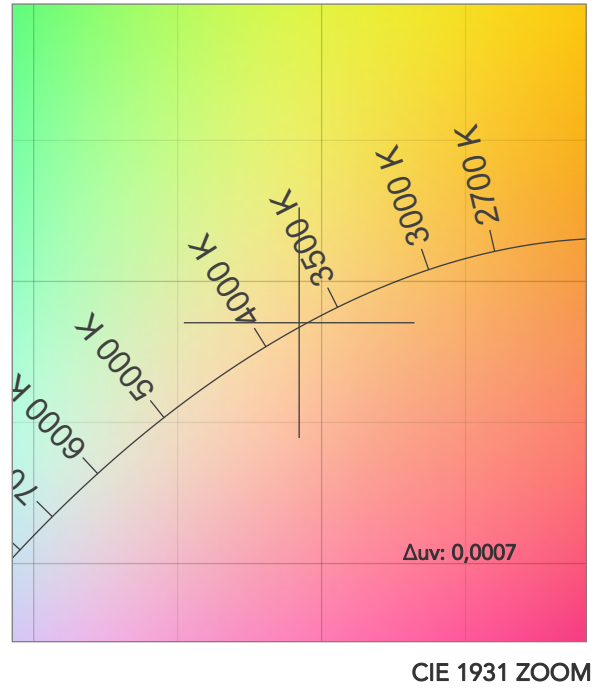
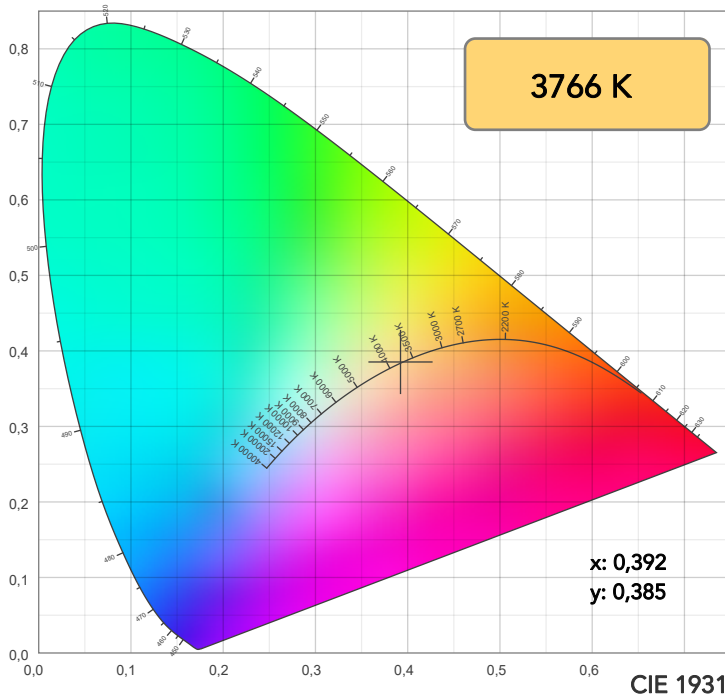


Beam angle 50%: 29,8°
Field angle 10%: 50,1°
Cut off angle 2.5%: 61,3°

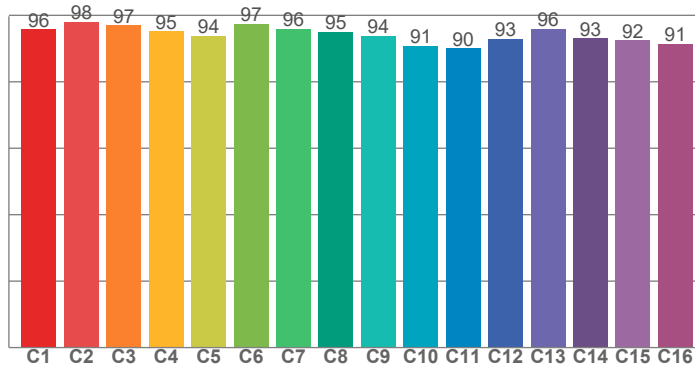
Spectra



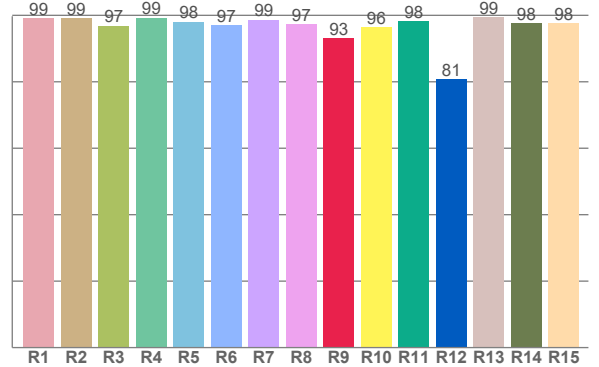
COLOR DETAILS



TM30: 94,2



CRI: 98,2 (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
99,1	99,1	96,9	99,3	98,1	97,0	98,7	97,4	93,2	96,4	98,3	80,9	99,3	97,6	97,6

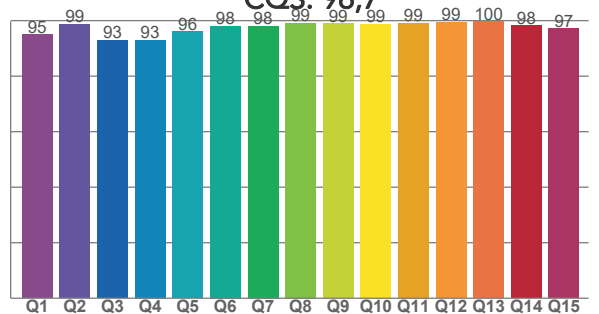
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,7	98,0	97,0	95,1	93,9	97,4	95,9	95,0	93,7	90,8	90,0	92,9	96,0	93,0	92,5	91,5

CQS Q values

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

CQS: 96,7



COLOR PARAMETERS

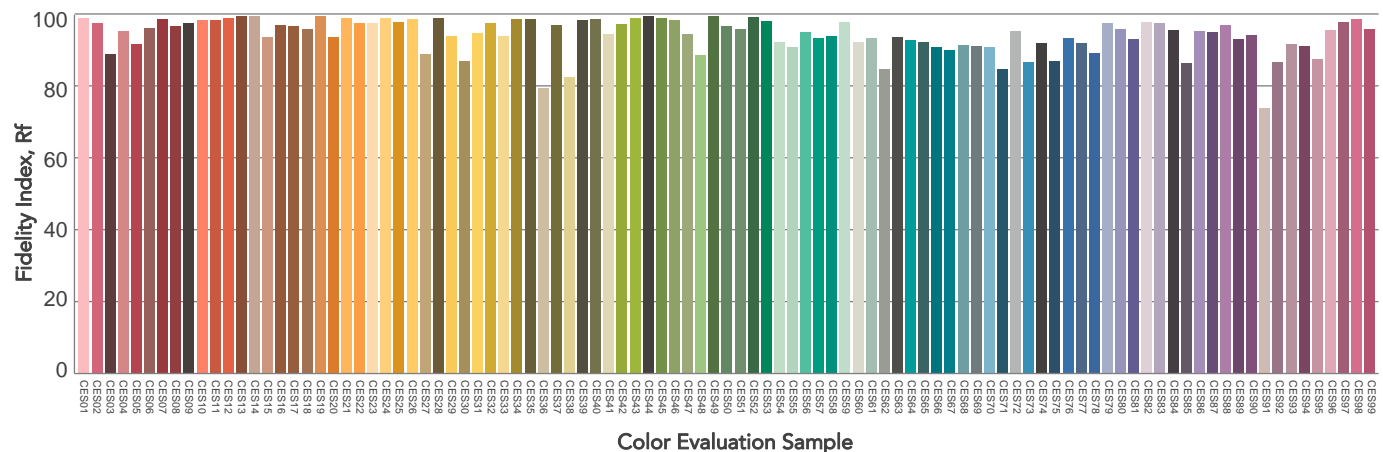
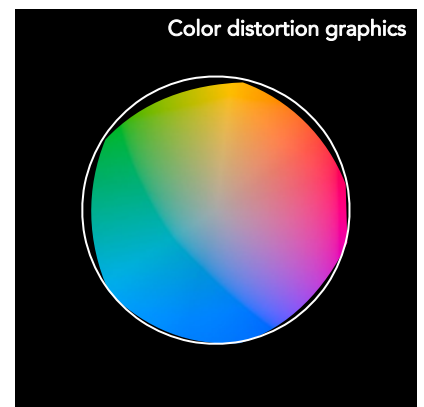
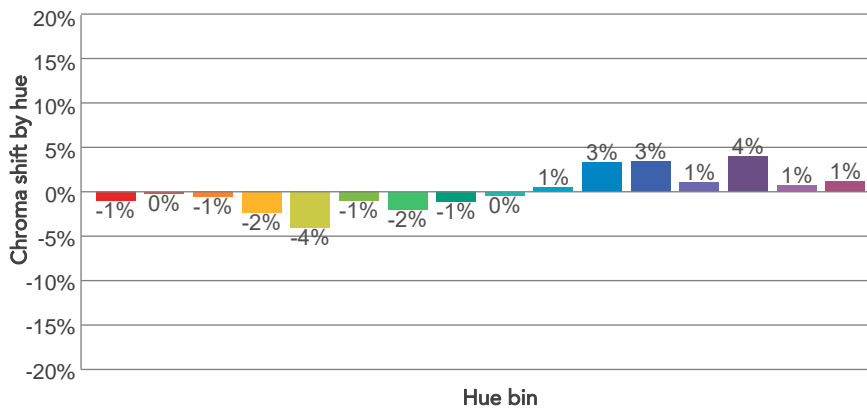
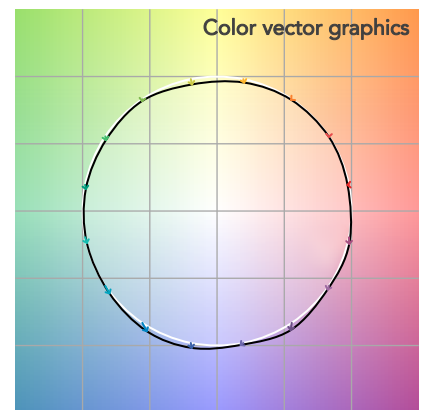
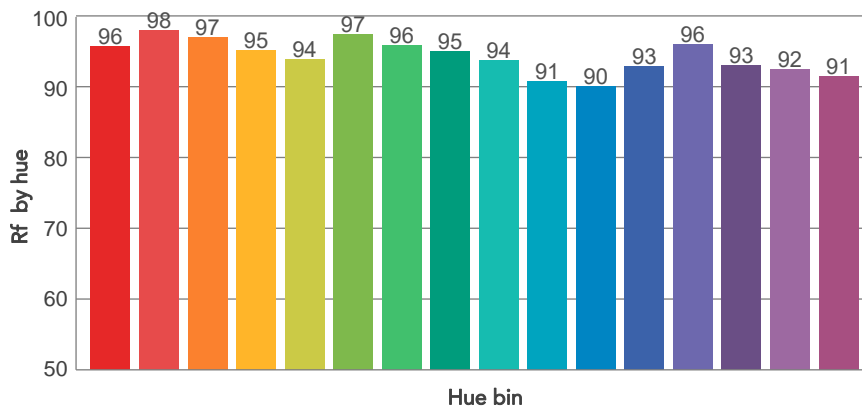
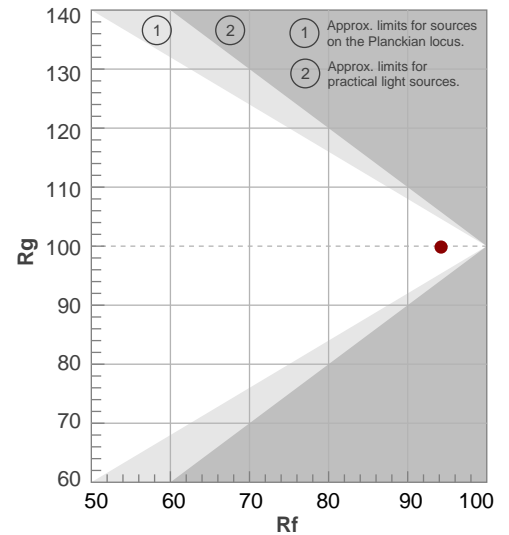
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3766 K	98,2	93,2	94,2	99,8	96,7	99	0,392	0,385	0,0007

TM30 DETAILS

Rf 94,2
Fidelity index Rf

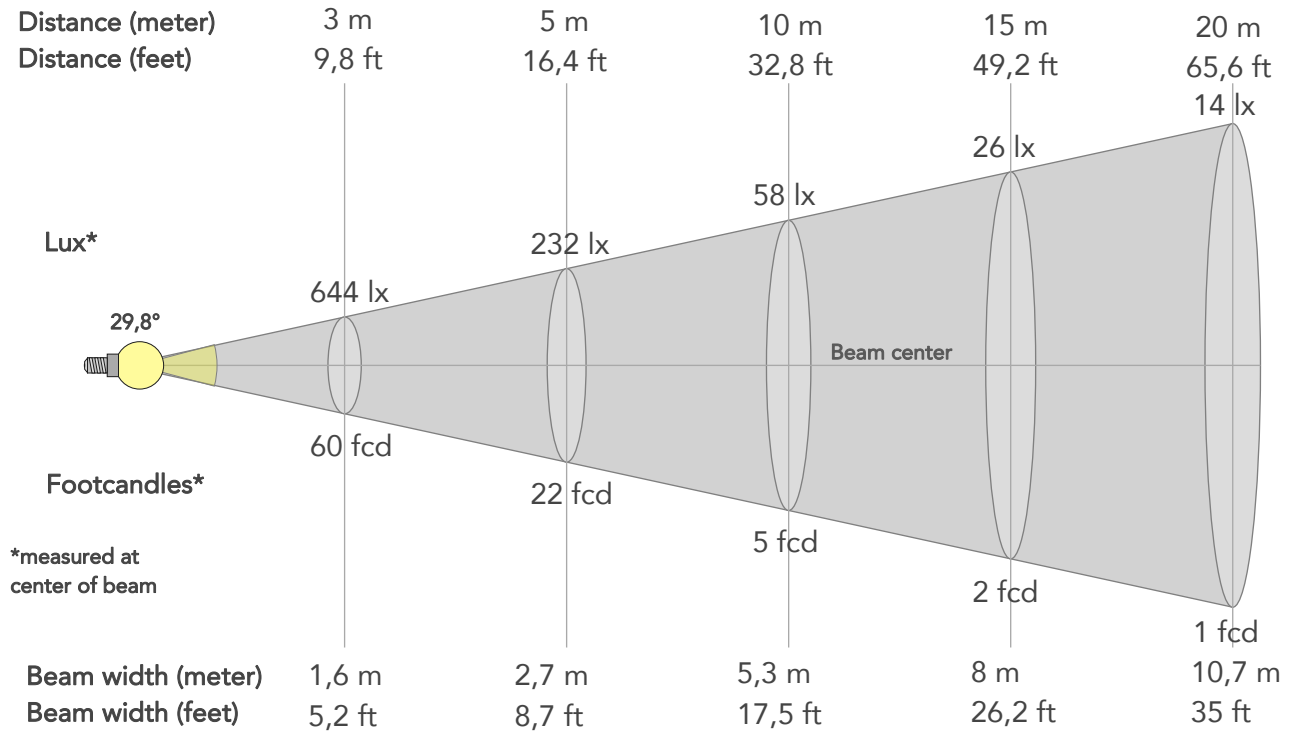
Rg 99,8
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	0%
2	98	0%	0%
3	97	-1%	0%
4	95	-2%	-1%
5	94	-4%	0%
6	97	-1%	1%
7	96	-2%	2%
8	95	-1%	3%
9	94	0%	4%
10	91	1%	6%
11	90	3%	6%
12	93	3%	1%
13	96	1%	-2%
14	93	4%	-4%
15	92	1%	-3%
16	91	1%	-5%



BEAM DETAILS

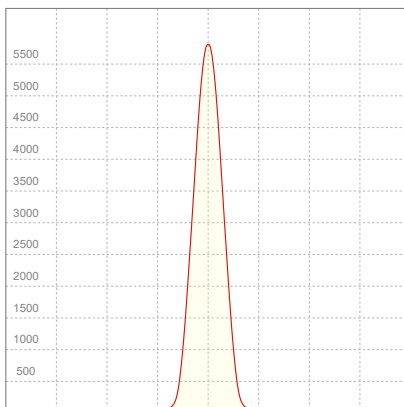
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29,8°	50,1°	61,3°	99,3%	98,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5797lx	1449lx	644lx	362lx	232lx	103lx	58lx	26lx	14lx	9lx	6lx	4lx	2lx
Footcand.	539fcd	135fcd	60fcd	34fcd	22fcd	10fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,5m	1,1m	1,6m	2,1m	2,7m	4m	5,3m	8m	10,7m	13,3m	16m	21,3m	26,6m
Beam wid.	1,8ft	3,5ft	5,2ft	7ft	8,7ft	13,1ft	17,5ft	26,2ft	35ft	43,7ft	52,4ft	69,9ft	87,4ft

LINEAR DISTRIBUTION DIAGRAM

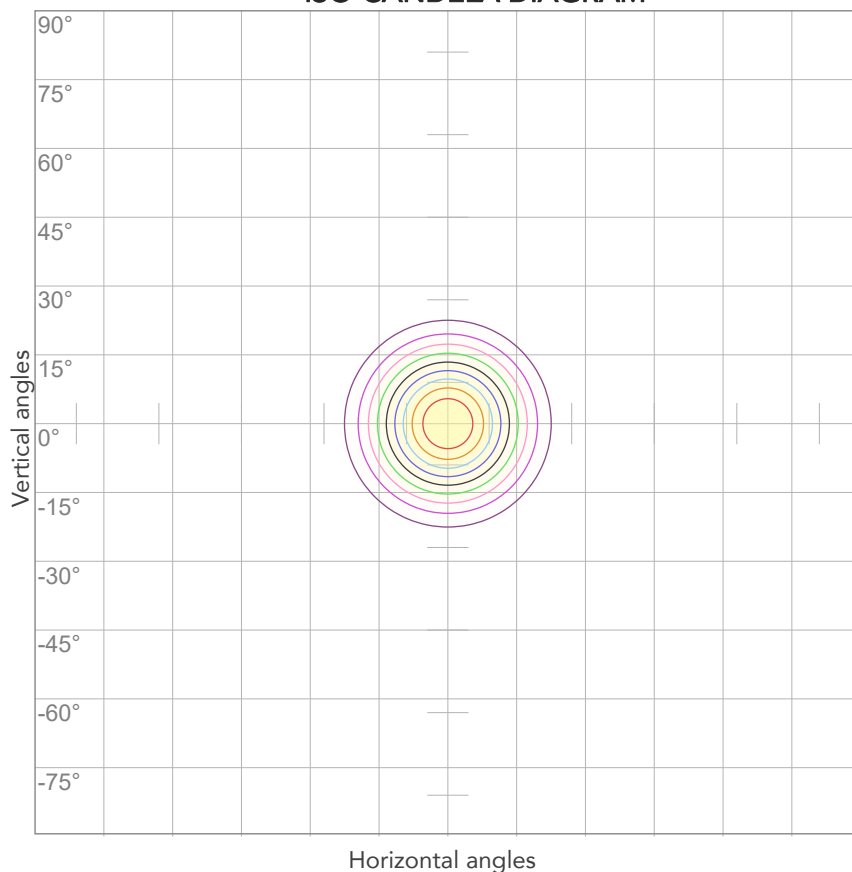


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,153A	33,0W	0,95	50lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



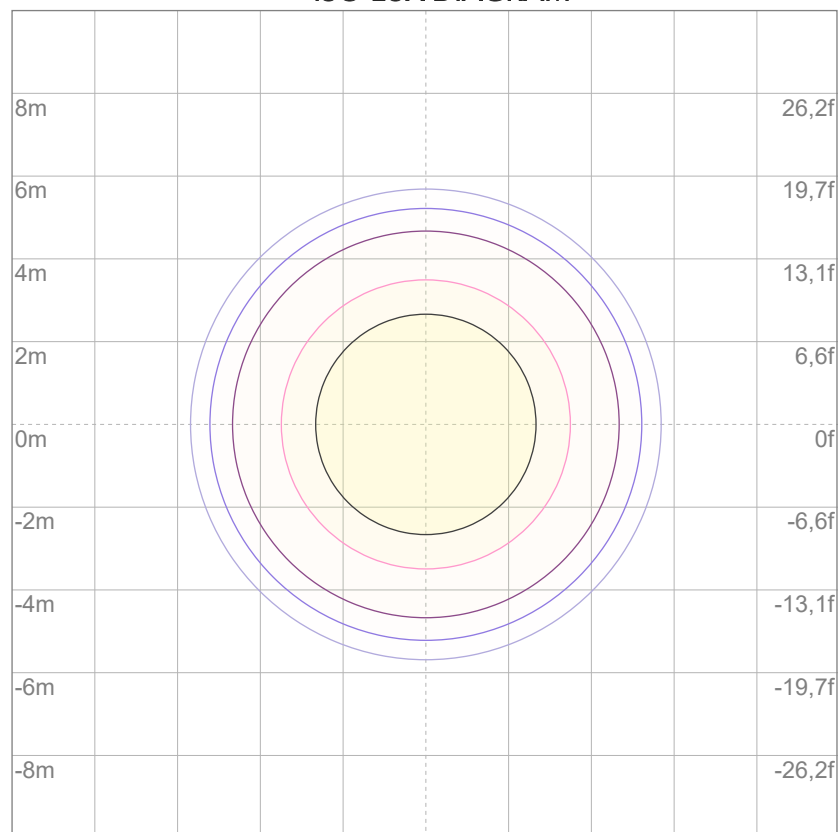
10%	580 cd
20%	1159 cd
30%	1739 cd
40%	2319 cd
50%	2898 cd
60%	3478 cd
70%	4058 cd
80%	4637 cd

Conditions:

Number of c-planes: 2

Candela at center: 5797 cd

ISO LUX DIAGRAM



3%	1,74 lx
5%	2,90 lx
10%	5,80 lx
30%	17,4 lx
50%	29,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 58,0 lx

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



Total lumen output:

1329 lm

Peak candela output:

17063 cd

Light quality:

CRI: 98,3

Color temperature:

3758 K

PRODUCT NAME:

ECLDISPLAYCRMX40K

MEASURAMENT CONDITIONS:

Beam angle:

Wash 1530 Min Zoom

Target:

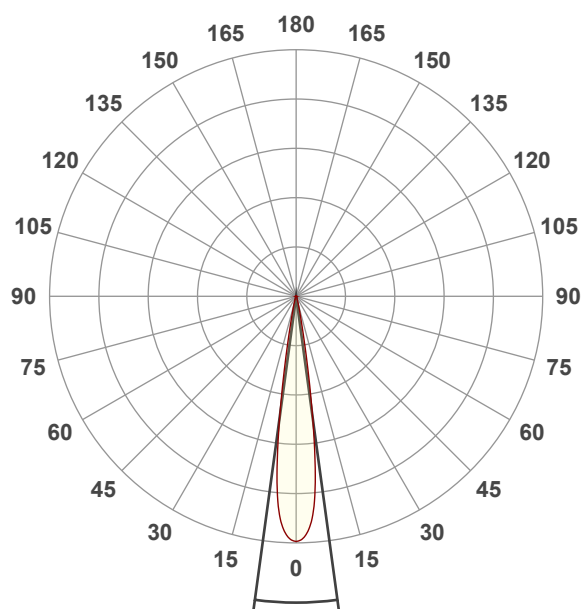
Full On

Operator:

Giacomo Matteo

Date and time:

18/06/2024 12:34:06

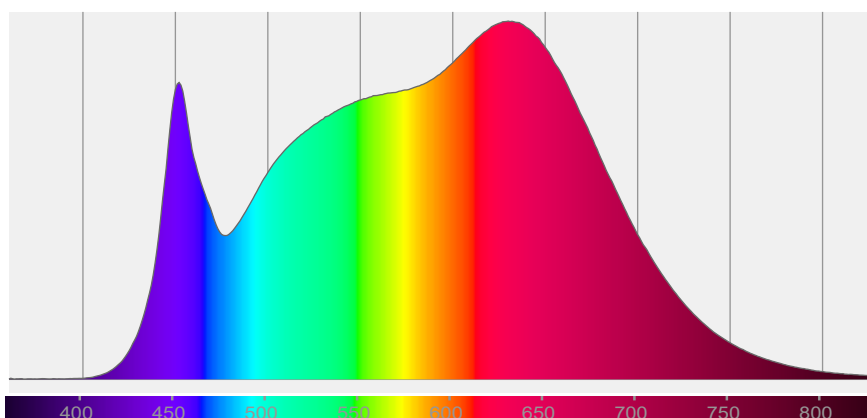


Beam angle 50%: 15,5°

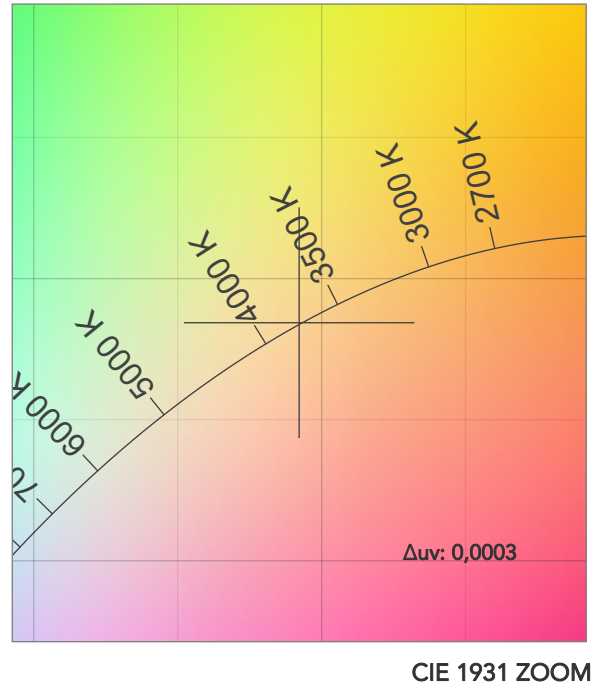
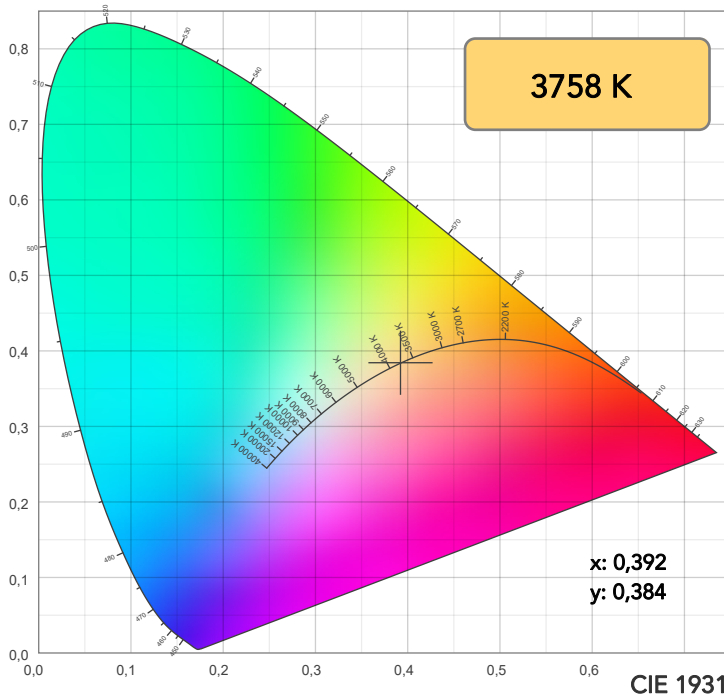
Field angle 10%: 23,6°

Cut off angle 2.5%: 33,2°

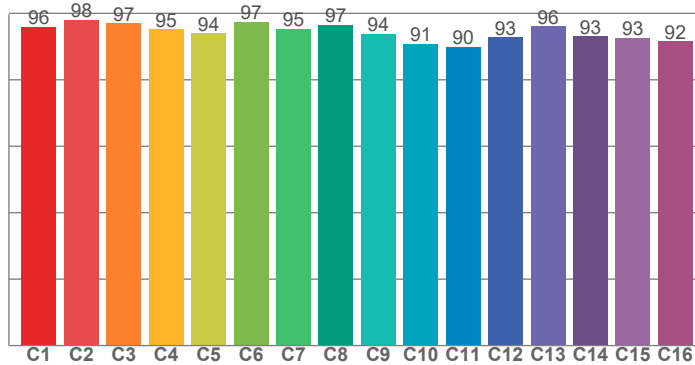
Spectra



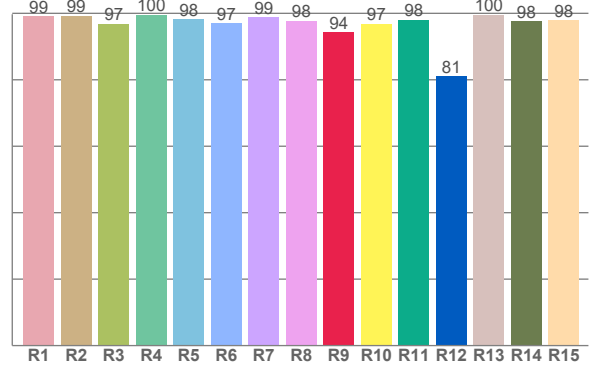
COLOR DETAILS



TM30: 94,3



CRI: 98,3 (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
99,2	99,3	96,9	99,6	98,3	97,1	98,8	97,7	94,3	96,8	98,1	81,1	99,5	97,6	97,9

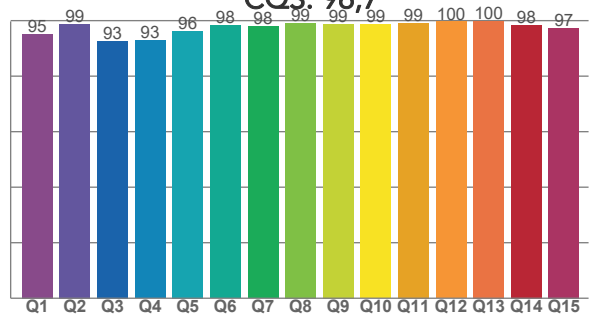
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,9	98,0	97,0	95,2	94,0	97,4	95,3	96,6	93,9	90,9	90,0	92,8	96,1	93,1	92,6	91,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,2	98,8	92,7	92,9	96,2	98,3	98,0	99,1	98,8	98,7	99,1	99,7	99,8	98,4	97,3

CQS: 96,7



COLOR PARAMETERS

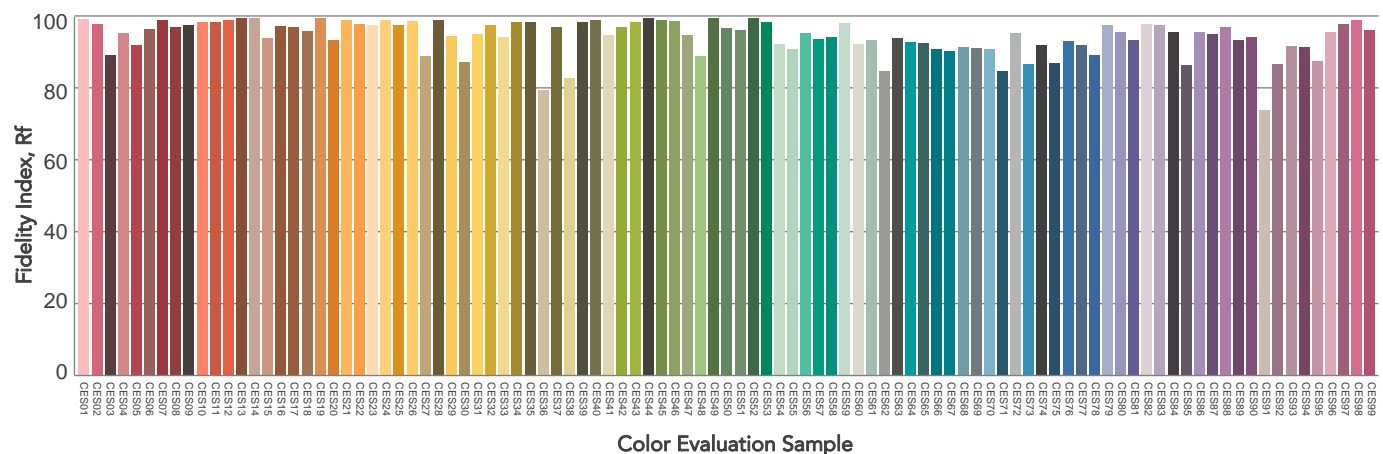
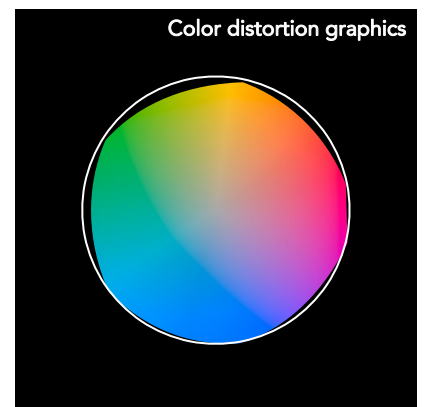
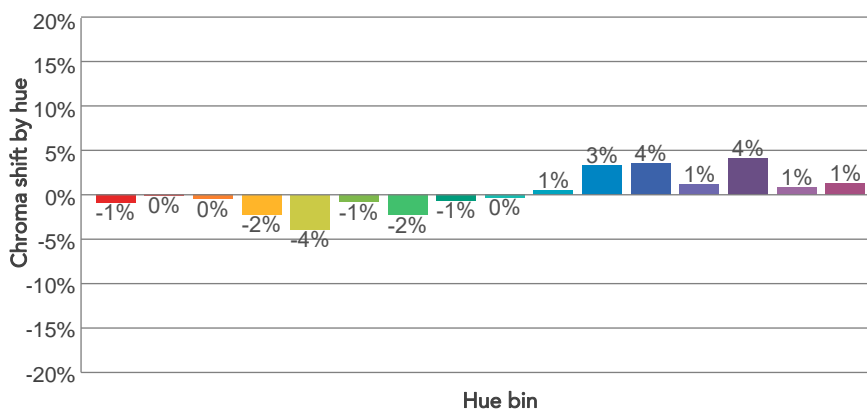
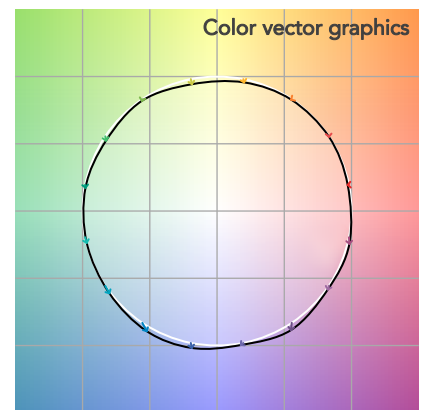
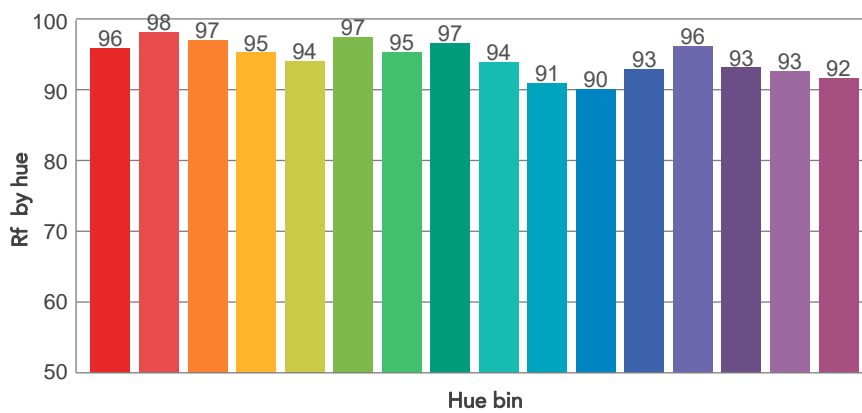
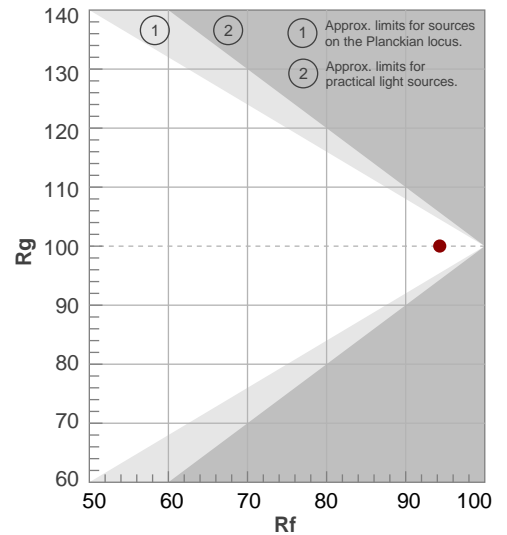
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3758 K	98,3	94,3	94,3	100,0	96,7	99	0,392	0,384	0,0003

TM30 DETAILS

Rf 94,3
Fidelity index Rf

Rg 100,0
Gammut index

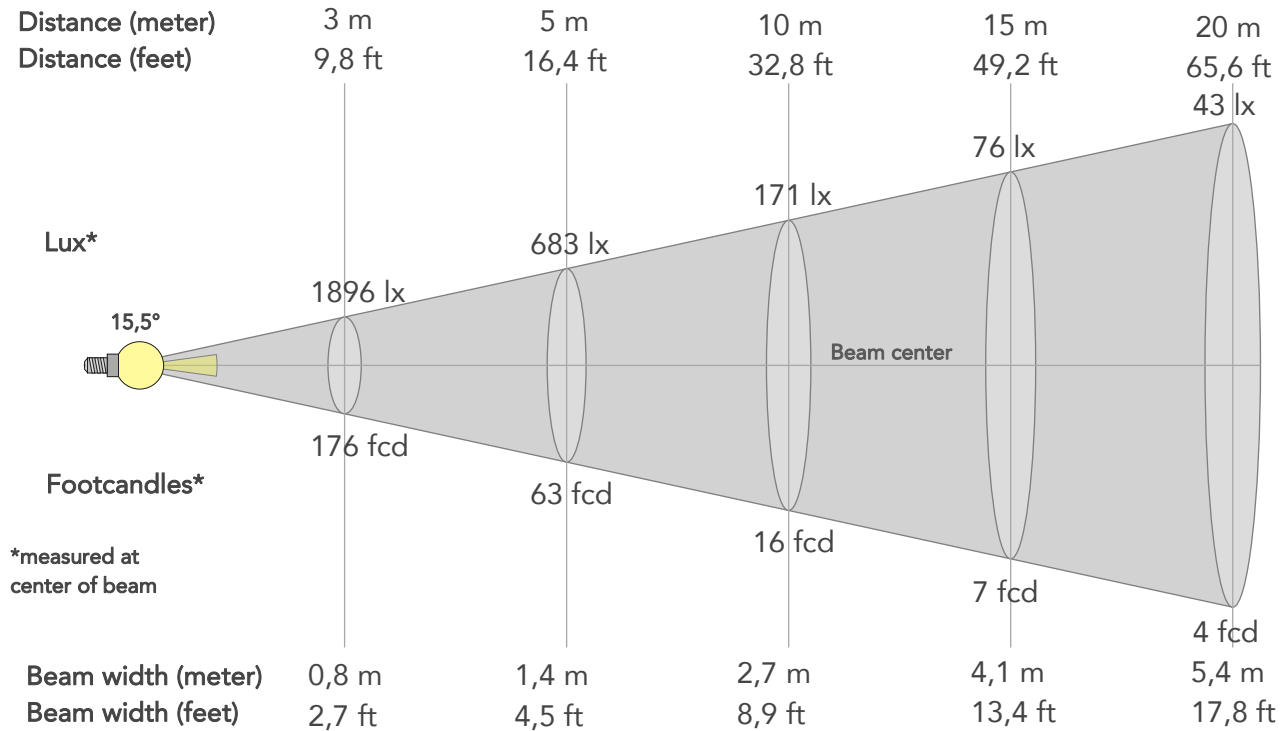
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	0%
2	98	0%	0%
3	97	0%	0%
4	95	-2%	-1%
5	94	-4%	0%
6	97	-1%	1%
7	95	-2%	2%
8	97	-1%	2%
9	94	0%	4%
10	91	1%	6%
11	90	3%	6%
12	93	4%	1%
13	96	1%	-2%
14	93	4%	-3%
15	93	1%	-3%
16	92	1%	-5%



BEAM DETAILS



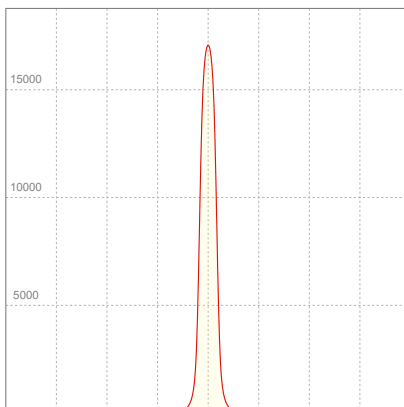
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,5°	23,6°	33,2°	98,9%	97,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	17063lx	4266lx	1896lx	1066lx	683lx	303lx	171lx	76lx	43lx	27lx	19lx	11lx	7lx
Footcand.	1585fcd	396fcd	176fcd	99fcd	63fcd	28fcd	16fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,4m	2m	2,7m	4,1m	5,4m	6,8m	8,2m	10,9m	13,6m
Beam wid.	0,9ft	1,8ft	2,7ft	3,6ft	4,5ft	6,7ft	8,9ft	13,4ft	17,8ft	22,3ft	26,8ft	35,7ft	44,6ft

LINEAR DISTRIBUTION DIAGRAM

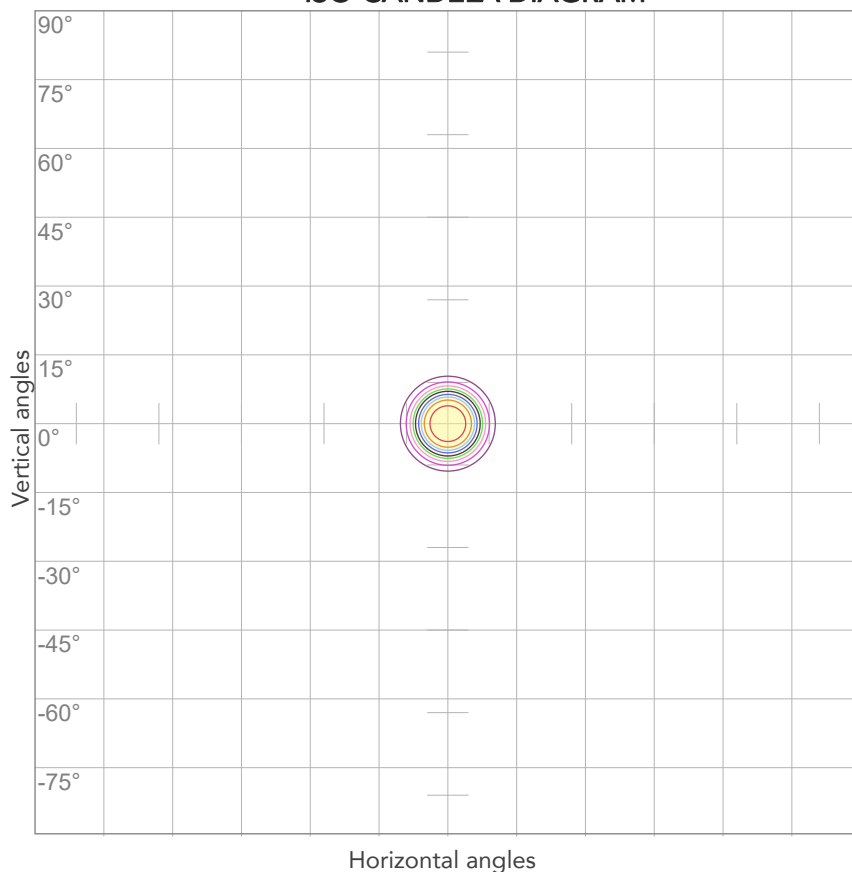


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,153A	33,0W	0,95	40lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



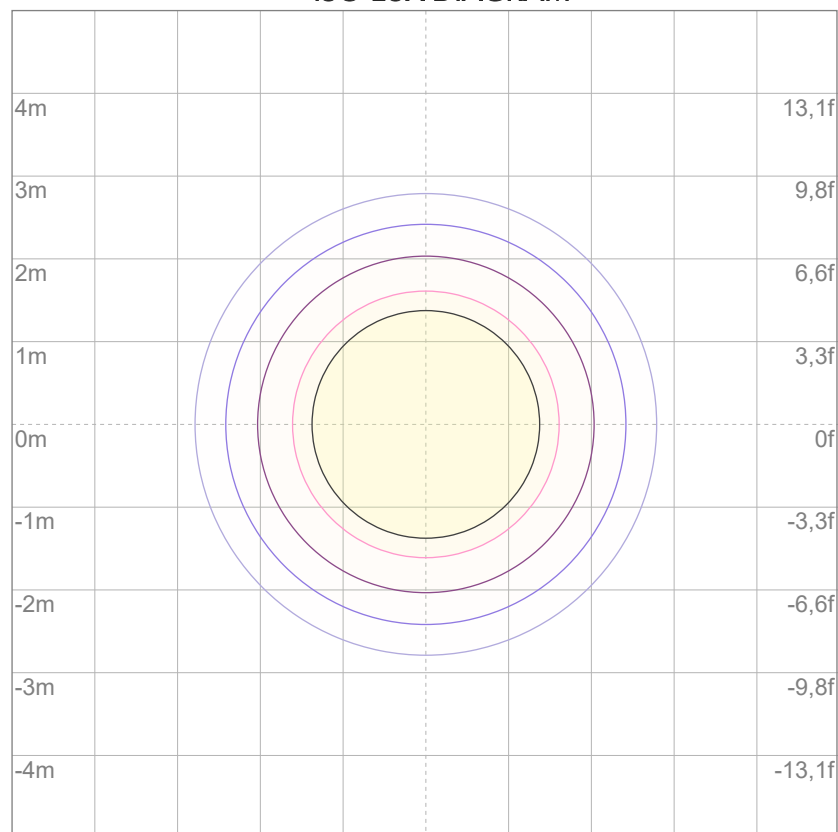
10%	1706 cd
20%	3413 cd
30%	5119 cd
40%	6825 cd
50%	8531 cd
60%	10238 cd
70%	11944 cd
80%	13650 cd

Conditions:

Number of c-planes: 2

Candela at center: 17063 cd

ISO LUX DIAGRAM



3%	5,12 lx
5%	8,53 lx
10%	17,1 lx
30%	51,2 lx
50%	85,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 171 lx

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



Total lumen output:

1788 lm

Peak candela output:

2442 cd

Light quality:

CRI: 97,7

Color temperature:

3812 K

PRODUCT NAME:
ECLDISPLAYCRMX40K

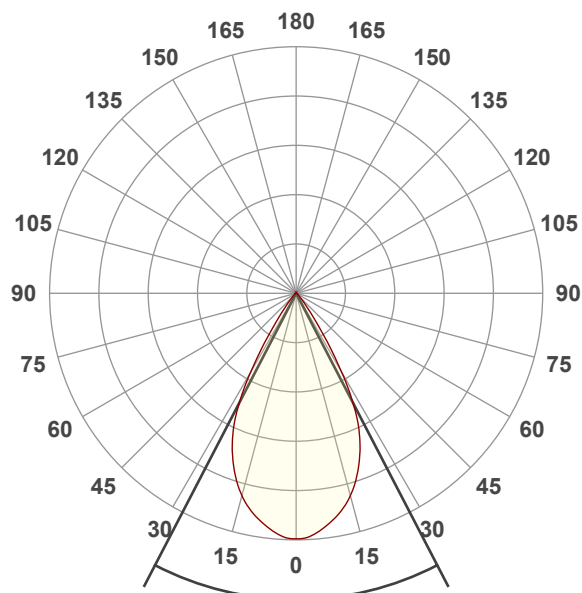
MEASURAMENT CONDITIONS:

Beam angle:
Wash 2550 Max Zoom

Target:
Full On

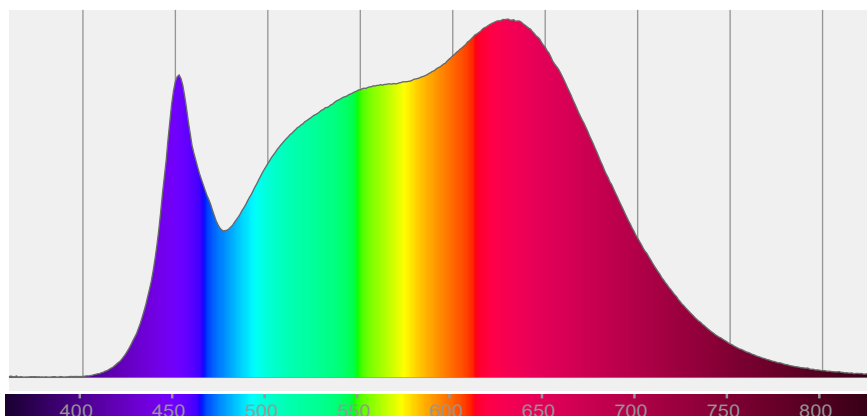
Operator:
Giacomo Matteo

Date and time:
18/06/2024 12:42:51

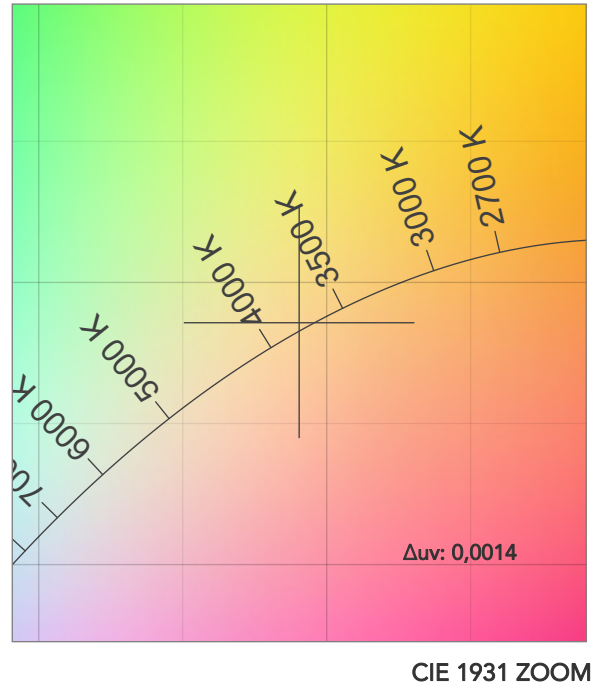
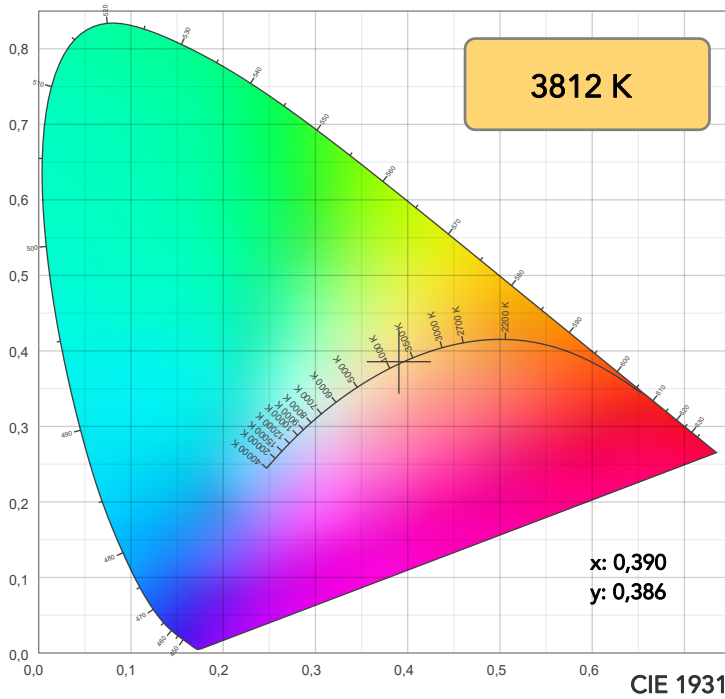


Beam angle 50%: 54,9°
Field angle 10%: 73,6°
Cut off angle 2.5%: 88,6°

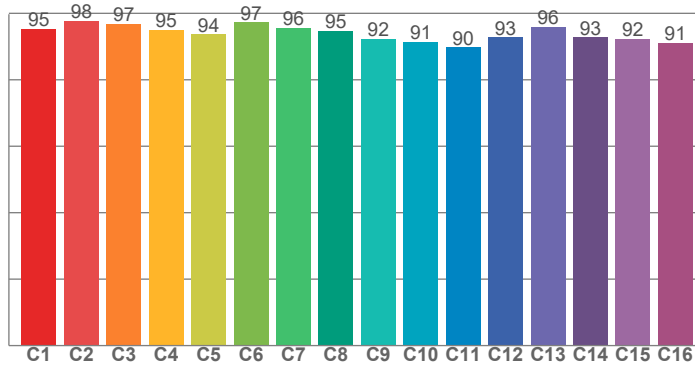
Spectra



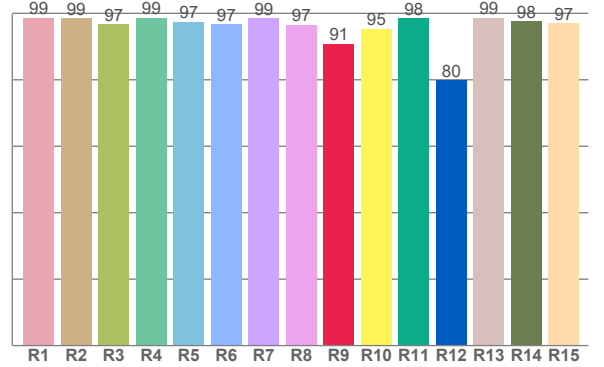
COLOR DETAILS



TM30: 94,0



CRI: 97,7 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,6	98,5	96,7	98,7	97,4	96,7	98,6	96,5	90,8	95,3	98,5	79,9	98,7	97,6	96,9

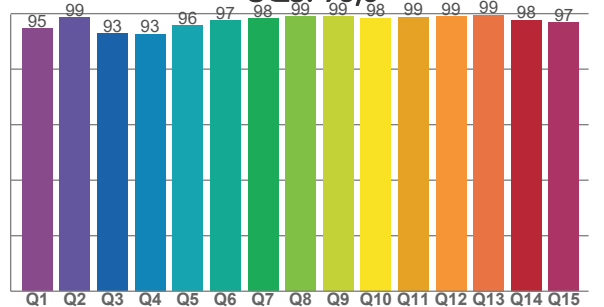
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,6	98,6	92,8	92,7	95,7	97,5	98,2	99,0	99,0	98,4	98,7	99,0	99,4	97,7	96,8

CQS: 96,5



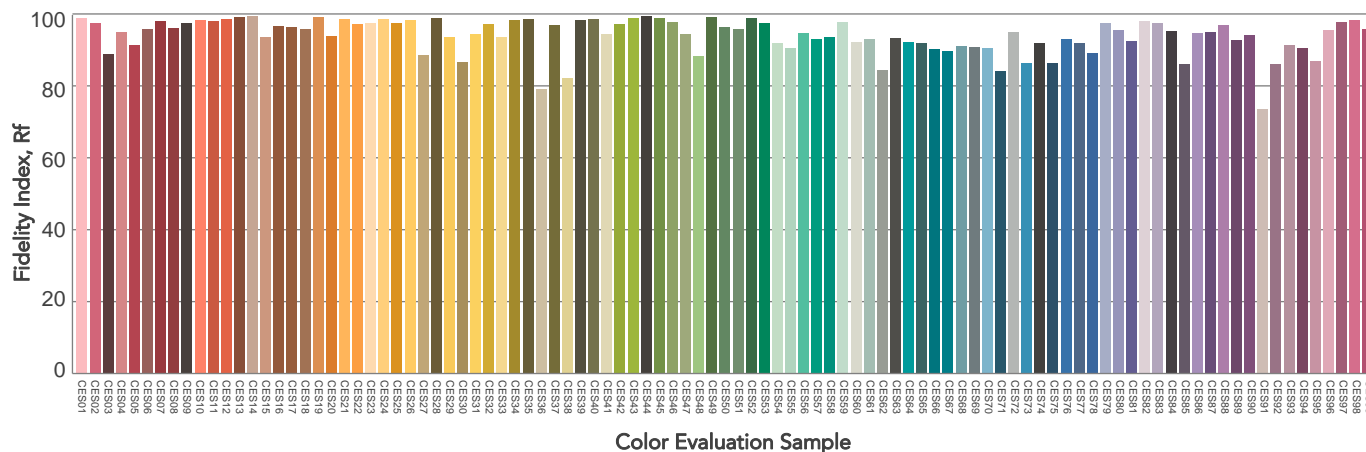
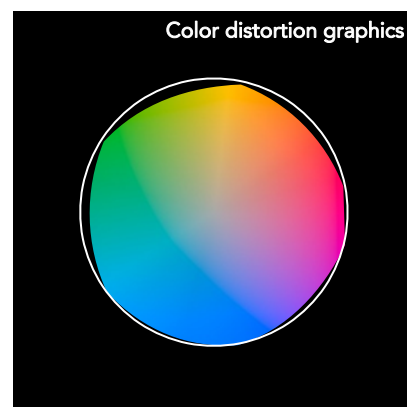
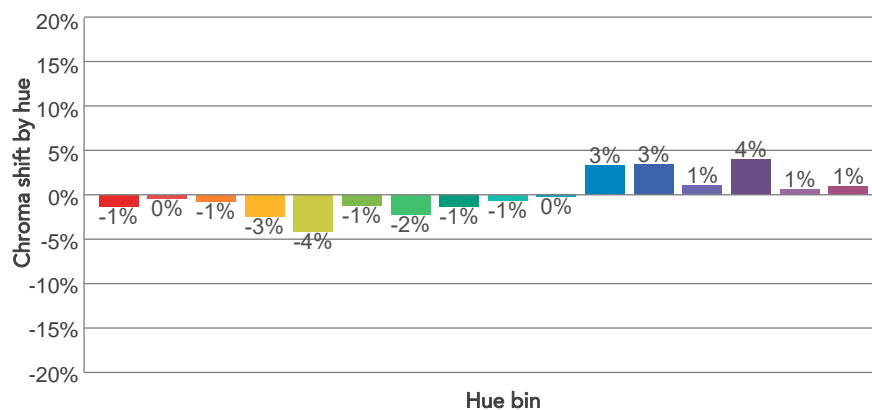
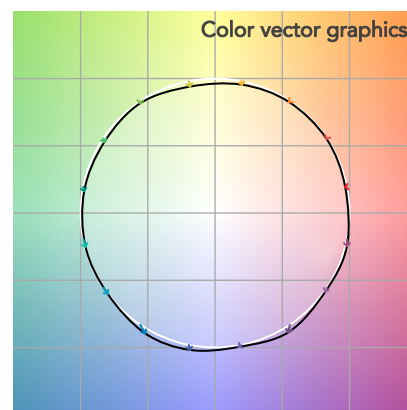
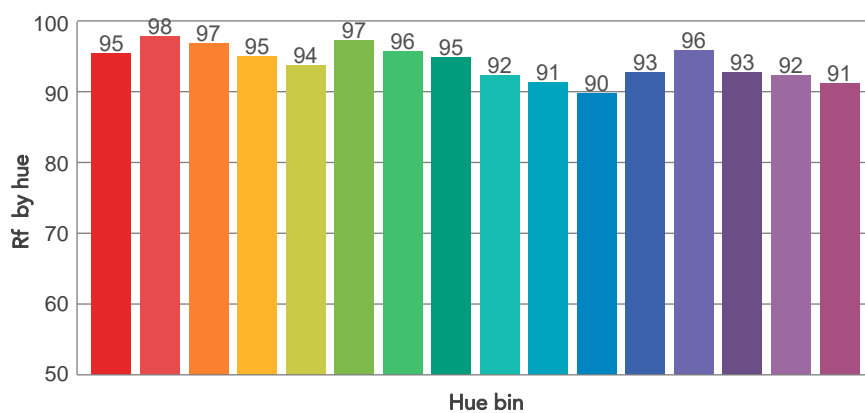
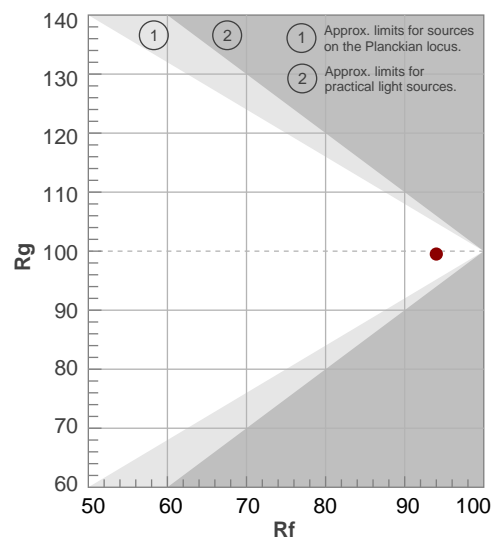
COLOR PARAMETERS

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
3812 K	97,7	90,8	94,0	99,5	96,5	98	0,390	0,386	0,0014

Fidelity index R_f

Gammut index

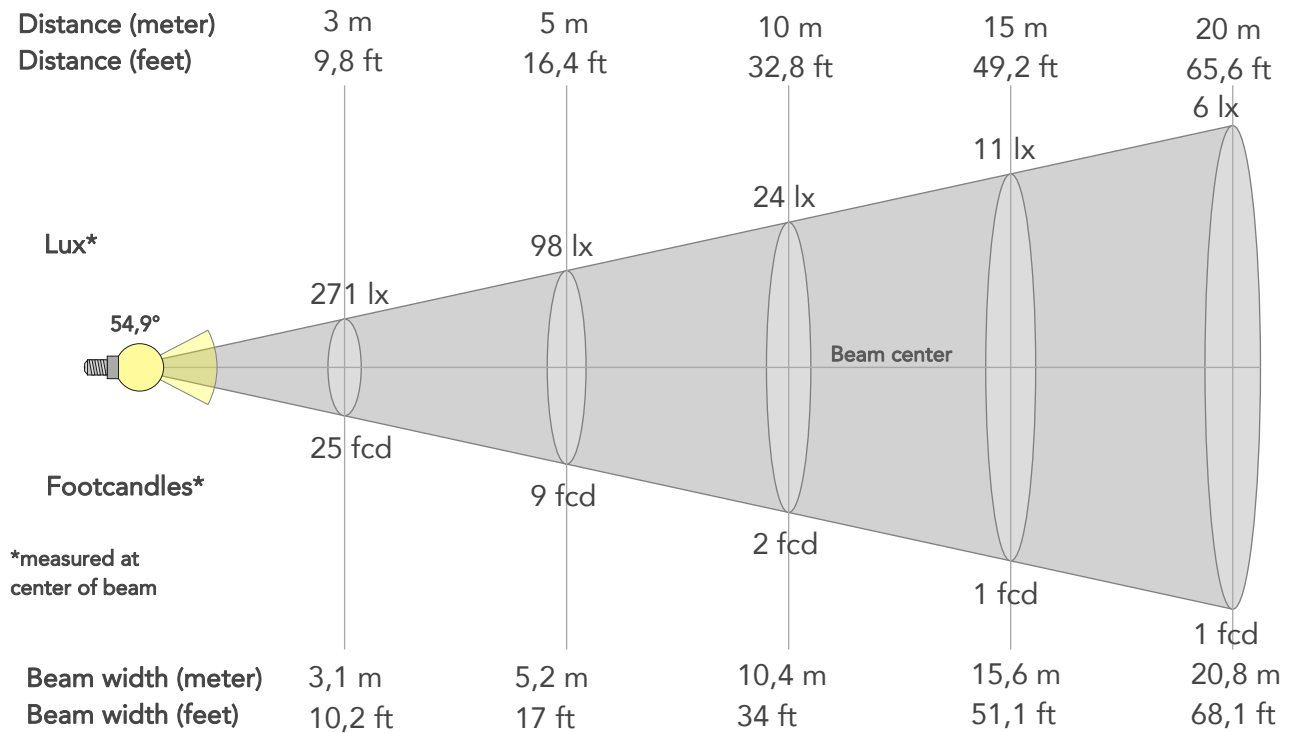
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	95	-1%	0%
2	98	0%	0%
3	97	-1%	0%
4	95	-3%	-1%
5	94	-4%	0%
6	97	-1%	1%
7	96	-2%	2%
8	95	-1%	3%
9	92	-1%	6%
10	91	0%	6%
11	90	3%	6%
12	93	3%	1%
13	96	1%	-2%
14	93	4%	-4%
15	92	1%	-3%
16	91	1%	-5%



BEAM DETAILS



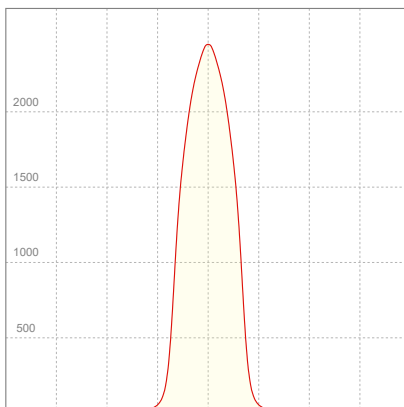
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
54,9°	73,6°	88,6°	99,0%	96,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2442lx	610lx	271lx	153lx	98lx	43lx	24lx	11lx	6lx	4lx	3lx	2lx	1lx
Footcand.	227fcd	57fcd	25fcd	14fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
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

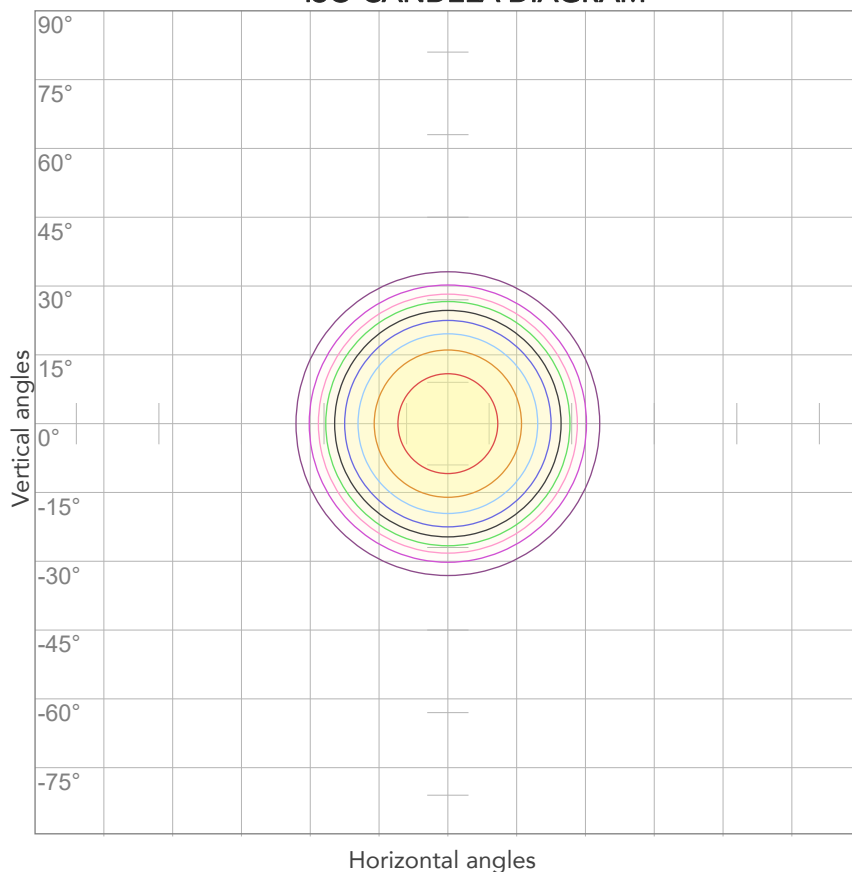


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,153A	33,0W	0,95	54lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



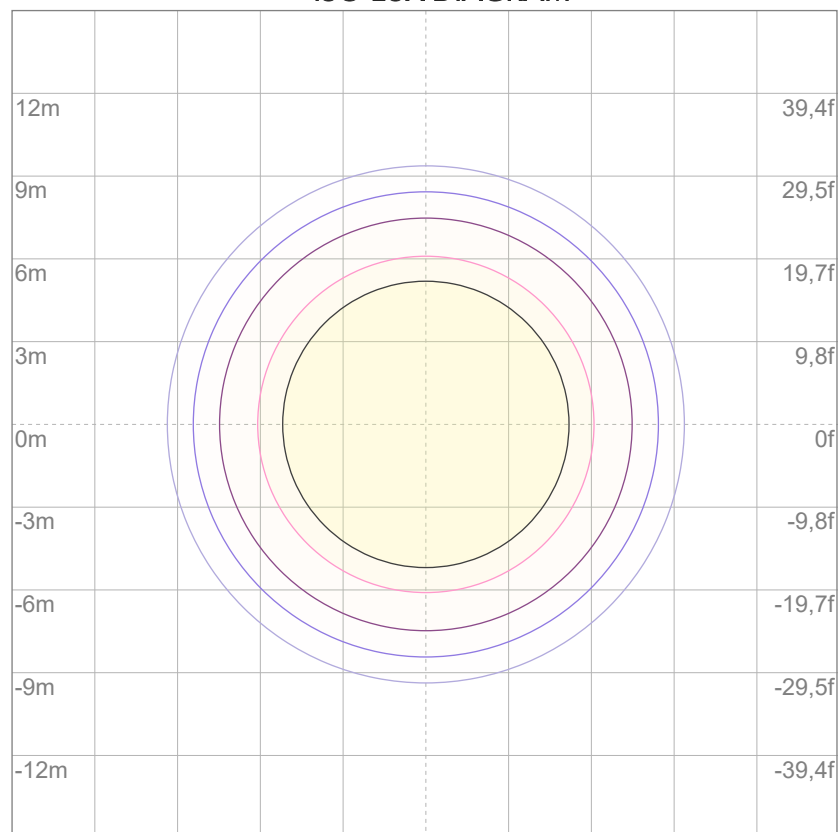
10%	244 cd
20%	488 cd
30%	733 cd
40%	977 cd
50%	1221 cd
60%	1465 cd
70%	1709 cd
80%	1953 cd

Conditions:

Number of c-planes: 2

Candela at center: 2442 cd

ISO LUX DIAGRAM



3%	0,733 lx
5%	1,22 lx
10%	2,44 lx
30%	7,33 lx
50%	12,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 24,4 lx

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



Total lumen output:

1242 lm

Peak candela output:

6801 cd

Light quality:

CRI: 98,2

Color temperature:

3794 K

PRODUCT NAME:
ECLDISPLAYCRMX40K

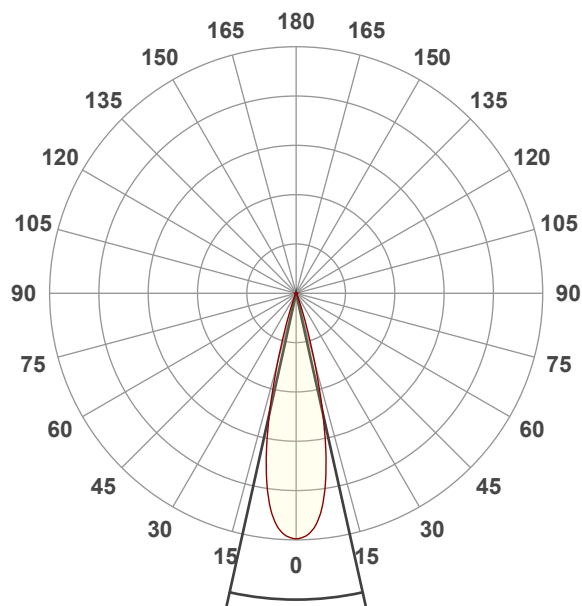
MEASURAMENT CONDITIONS:

Beam angle:
Wash 2550 Min Zoom

Target:
Full On

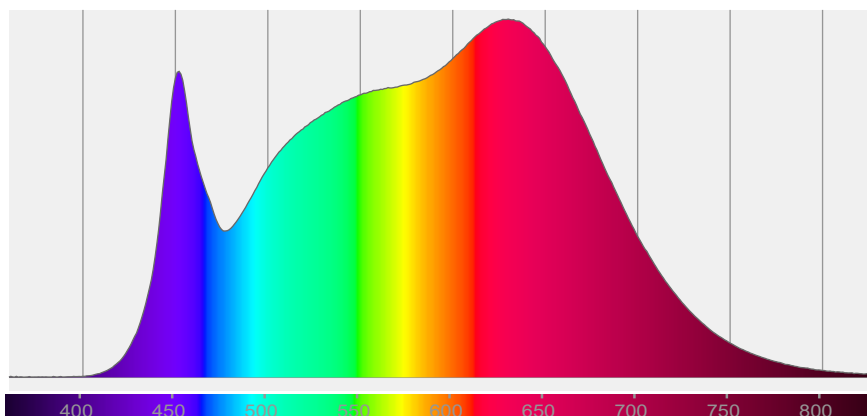
Operator:
Giacomo Matteo

Date and time:
18/06/2024 12:44:49

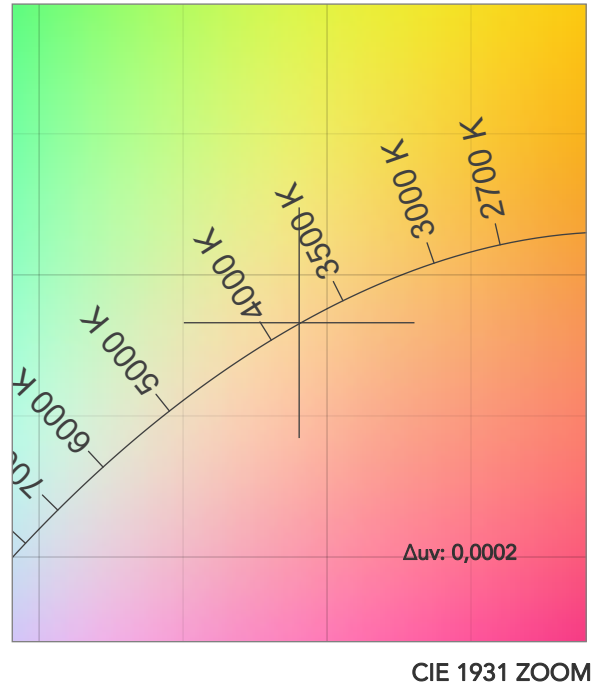
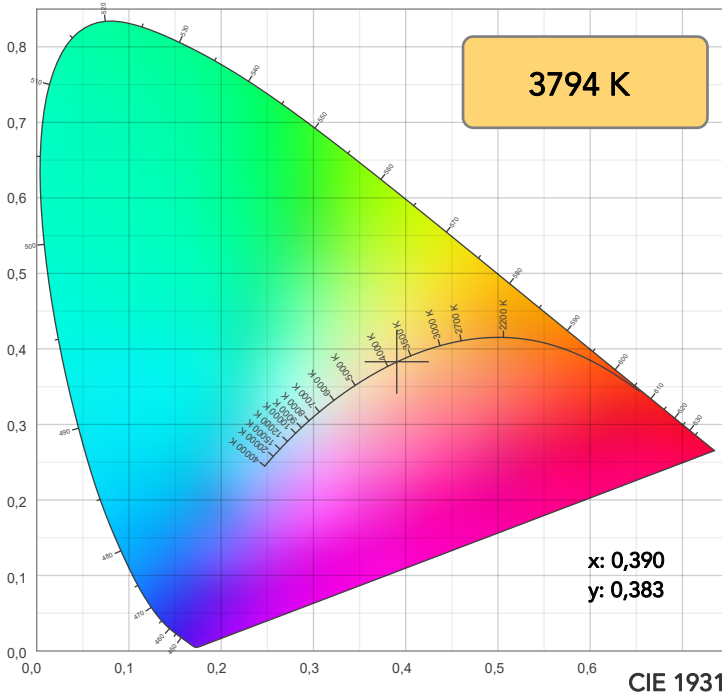


Beam angle 50%: 25,1°
Field angle 10%: 37°
Cut off angle 2.5%: 46,2°

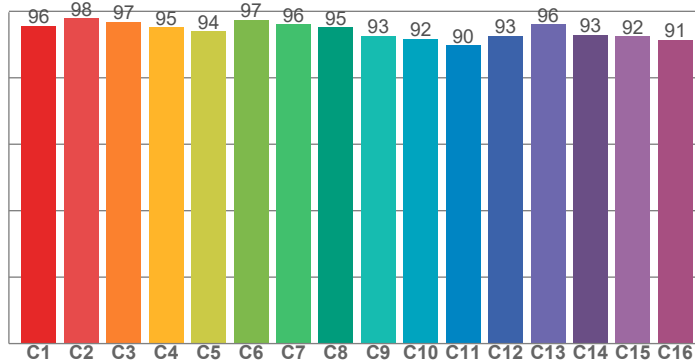
Spectra



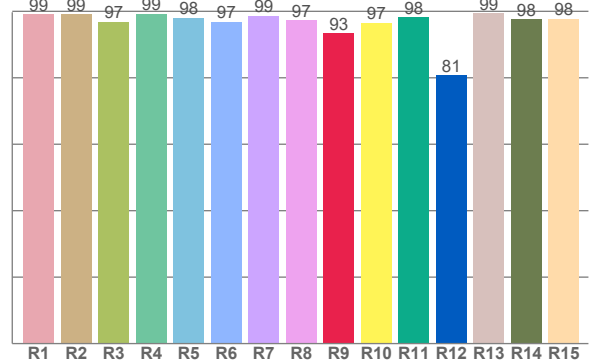
COLOR DETAILS



TM30: 94,2



CRI: 98,2 (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
99,1	99,2	96,8	99,3	98,1	96,9	98,7	97,4	93,4	96,5	98,1	80,7	99,5	97,6	97,8

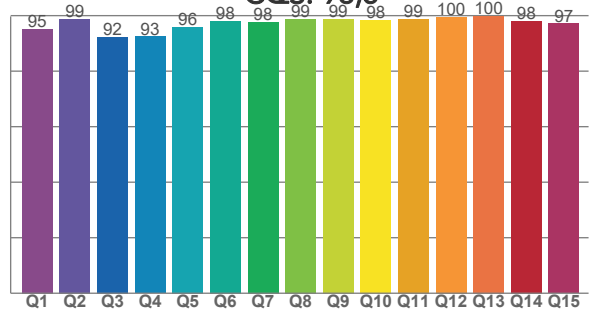
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,7	97,9	96,8	95,2	93,9	97,4	96,1	95,2	92,6	91,6	89,7	92,6	96,0	92,9	92,5	91,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,2	98,8	92,4	92,5	95,9	98,0	97,8	98,9	98,8	98,5	98,8	99,5	99,8	98,1	97,2

CQS: 96,5



COLOR PARAMETERS

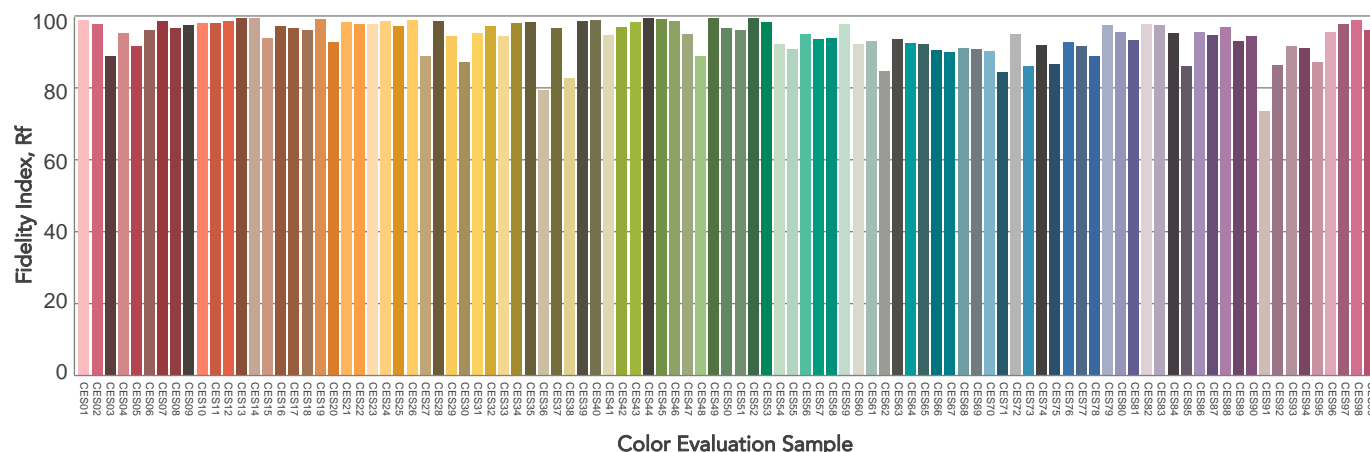
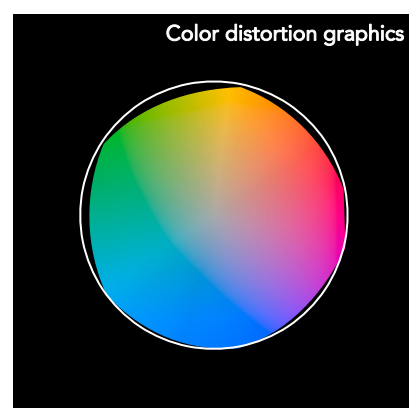
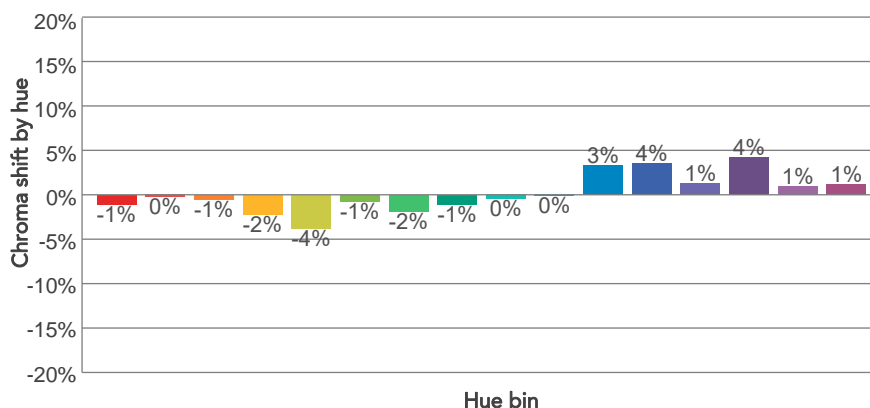
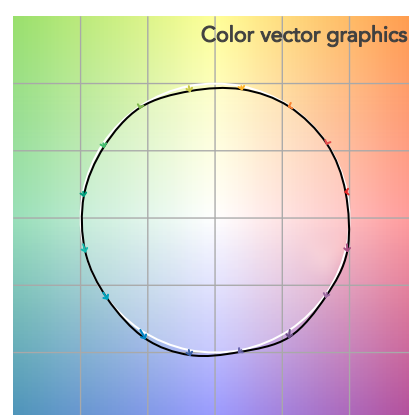
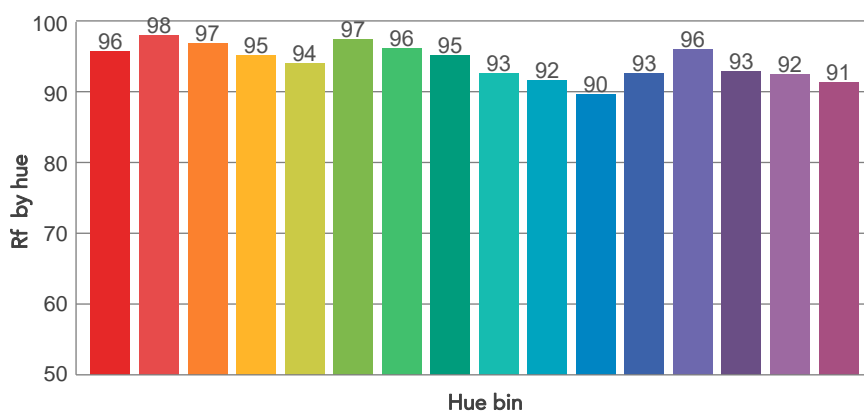
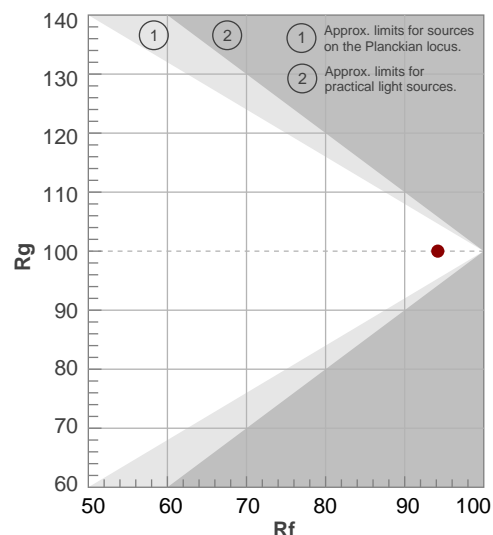
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3794 K	98,2	93,4	94,2	100,0	96,5	98	0,390	0,383	0,0002

TM30 DETAILS

Rf 94,2
Fidelity index Rf

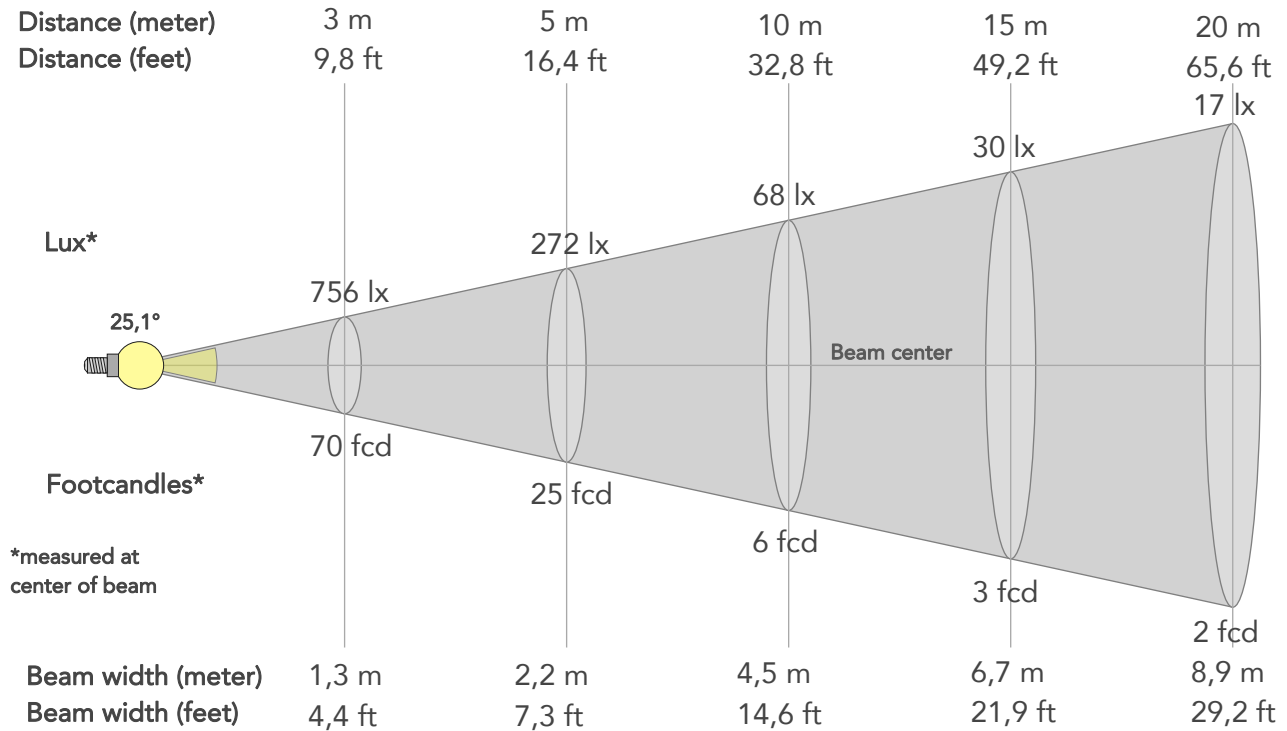
Rg 100,0
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	0%
2	98	0%	0%
3	97	-1%	0%
4	95	-2%	-1%
5	94	-4%	0%
6	97	-1%	1%
7	96	-2%	2%
8	95	-1%	3%
9	93	0%	6%
10	92	0%	5%
11	90	3%	6%
12	93	4%	2%
13	96	1%	-2%
14	93	4%	-4%
15	92	1%	-3%
16	91	1%	-5%



BEAM DETAILS

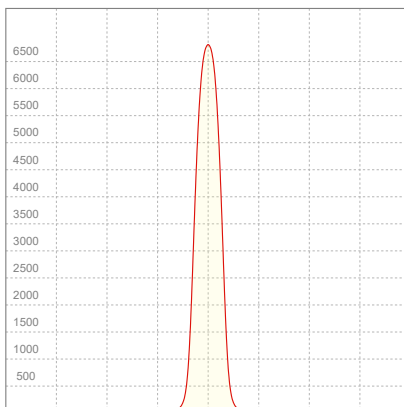
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25,1°	37°	46,2°	98,9%	97,6%



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	6801lx	1700lx	756lx	425lx	272lx	121lx	68lx	30lx	17lx	11lx	8lx	4lx	3lx
Footcand.	632fcd	158fcd	70fcd	39fcd	25fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,9m	1,3m	1,8m	2,2m	3,3m	4,5m	6,7m	8,9m	11,1m	13,4m	17,8m	22,3m
Beam wid.	1,5ft	2,9ft	4,4ft	5,8ft	7,3ft	10,9ft	14,6ft	21,9ft	29,2ft	36,5ft	43,8ft	58,4ft	73ft

LINEAR DISTRIBUTION DIAGRAM

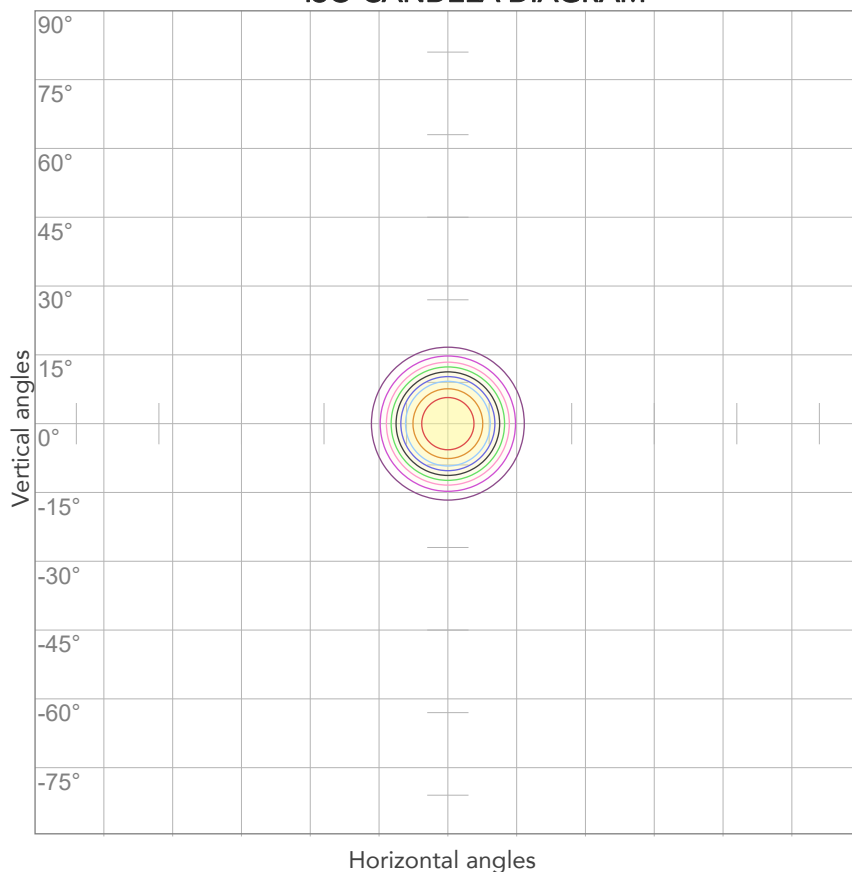


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,153A	32,9W	0,95	38lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



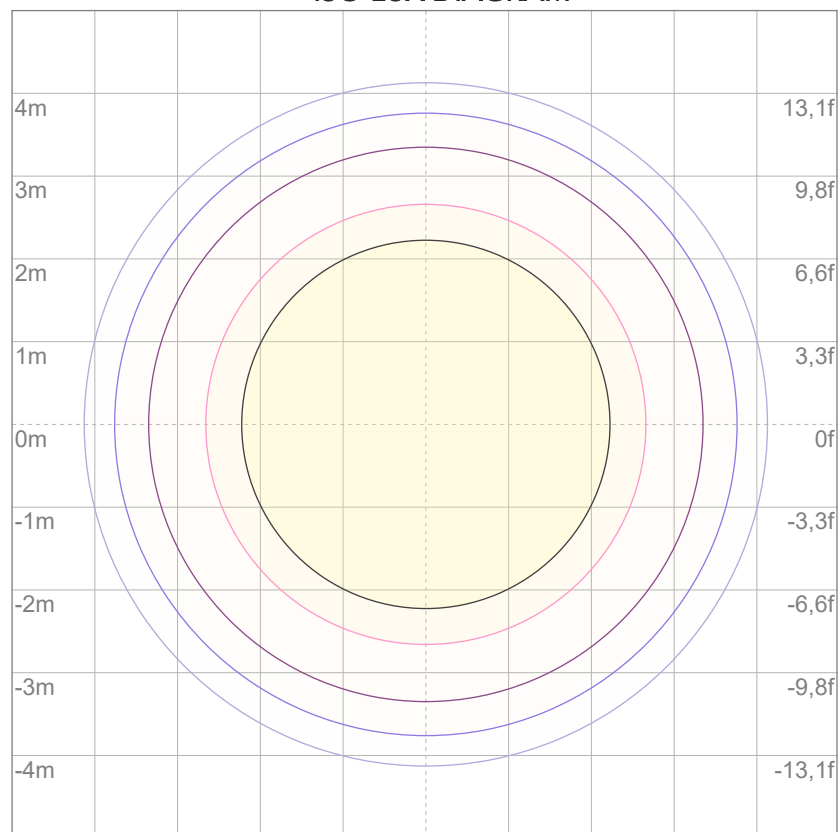
10%	680 cd
20%	1360 cd
30%	2040 cd
40%	2721 cd
50%	3401 cd
60%	4081 cd
70%	4761 cd
80%	5441 cd

Conditions:

Number of c-planes: 2

Candela at center: 6801 cd

ISO LUX DIAGRAM



3%	2,04 lx
5%	3,40 lx
10%	6,80 lx
30%	20,4 lx
50%	34,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 68,0 lx

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