



Photometric Test Report



ECLPENDANT VW

200W Variable White LED source

innovative pendant light

CONTENTS

Table of contents	2
Testing process	3
Preset Full on	
Beam angle 20°	5
Beam angle 40°	10
Beam angle 60°	15
Preset Warm White	
Beam angle 20°	20
Beam angle 40°	25
Beam angle 60°	30
Preset Cold White	
Beam angle 20°	35
Beam angle 40°	40
Beam angle 60°	45
Preset 2700K	
Beam angle 20°	50
Beam angle 40°	55
Beam angle 60°	60
Preset 2800K	
Beam angle 20°	65
Beam angle 40°	70
Beam angle 60°	75
Preset 3200K	
Beam angle 20°	80
Beam angle 40°	85
Beam angle 60°	90
Preset 4000K	
Beam angle 20°	95
Beam angle 40°	100
Beam angle 60°	105

Preset 5600K

Beam angle 20°	110
Beam angle 40°	115
Beam angle 60°	120

Preset 6000K

Beam angle 20°	125
Beam angle 40°	130
Beam angle 60°	135

Preset 6500K

Beam angle 20°	140
Beam angle 40°	145
Beam angle 60°	150

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:

14571 lm

Peak candela output:

73333 cd

Light quality:

CRI: 95,1

Color temperature:

4273 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

20°

Target:

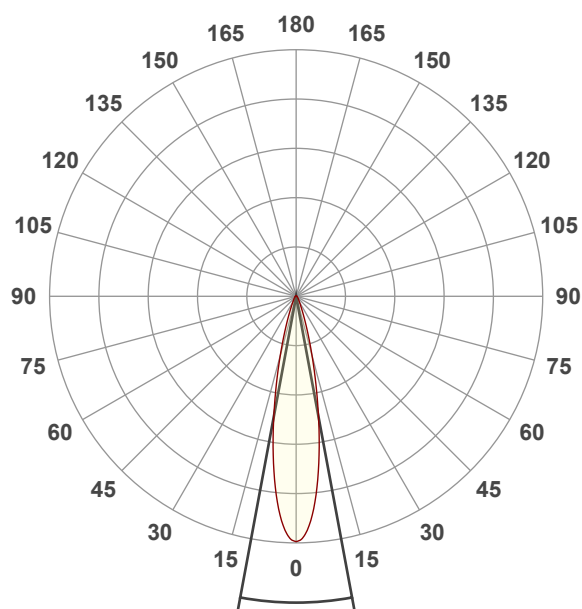
Full On

Operator:

Salvatore Giglio

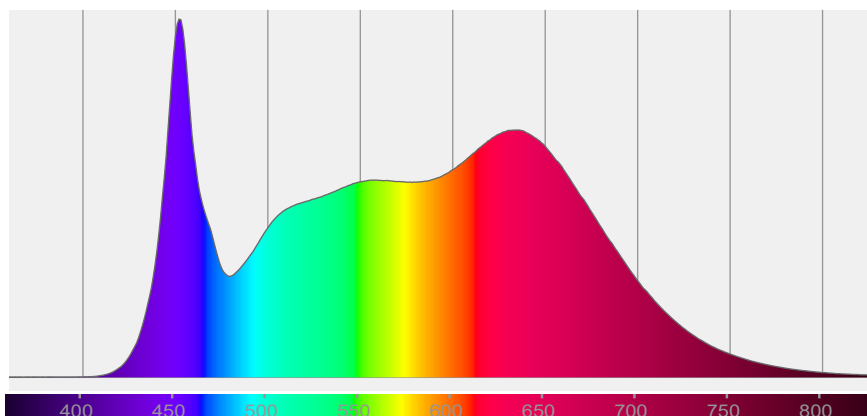
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22/01/2024 15:41:31

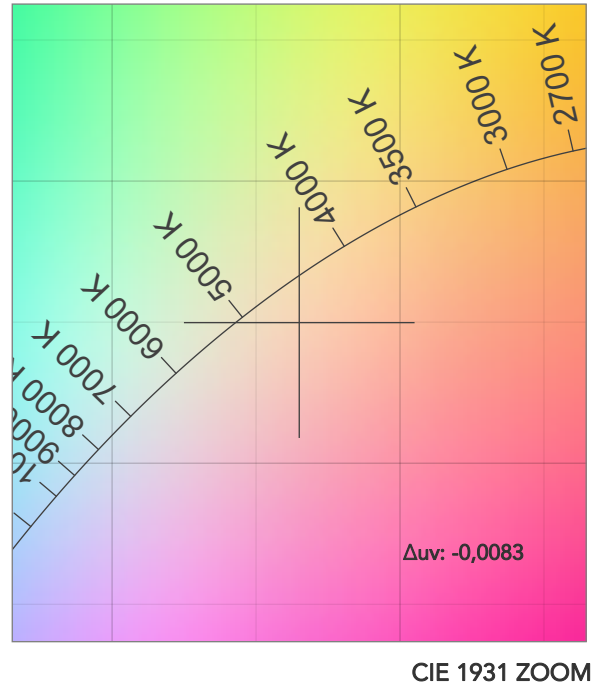
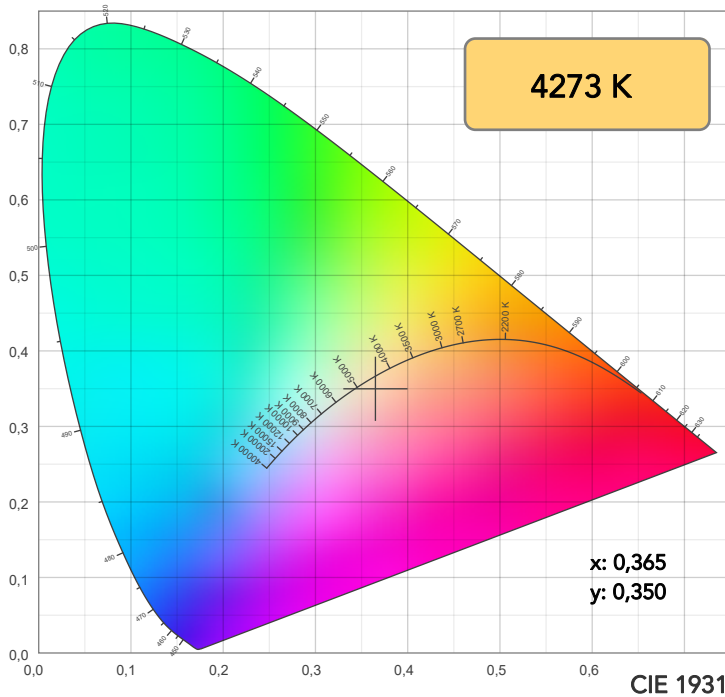


Beam angle 50%: 21°
Field angle 10%: 40,3°
Cut off angle 2.5%: 61,5°

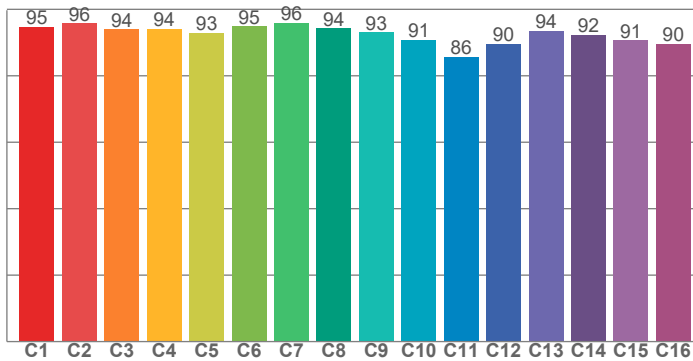
Spectra



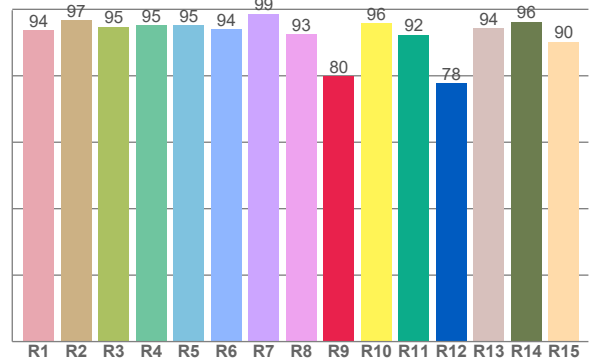
COLOR DETAILS



TM30: 92,6



CRI: 95,1 (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
93,6	96,7	94,8	95,2	95,1	94,0	98,7	92,6	79,9	95,8	92,4	77,8	94,2	96,3	90,2

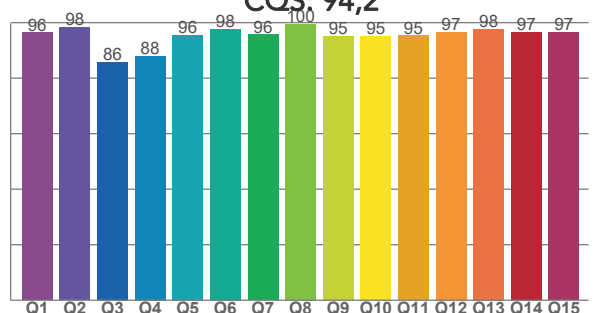
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,7	95,8	94,0	94,2	92,9	94,9	95,9	94,3	93,1	90,7	85,7	89,5	93,6	92,3	90,6	89,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,5	98,3	85,9	88,0	95,6	97,7	95,8	99,5	95,2	95,2	95,3	96,6	97,7	96,6	96,5

CQS: 94,2



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
4273 K	95,1	79,9	92,6	104,0	94,2	97	0,365	0,350	-0,0083

TM30 DETAILS

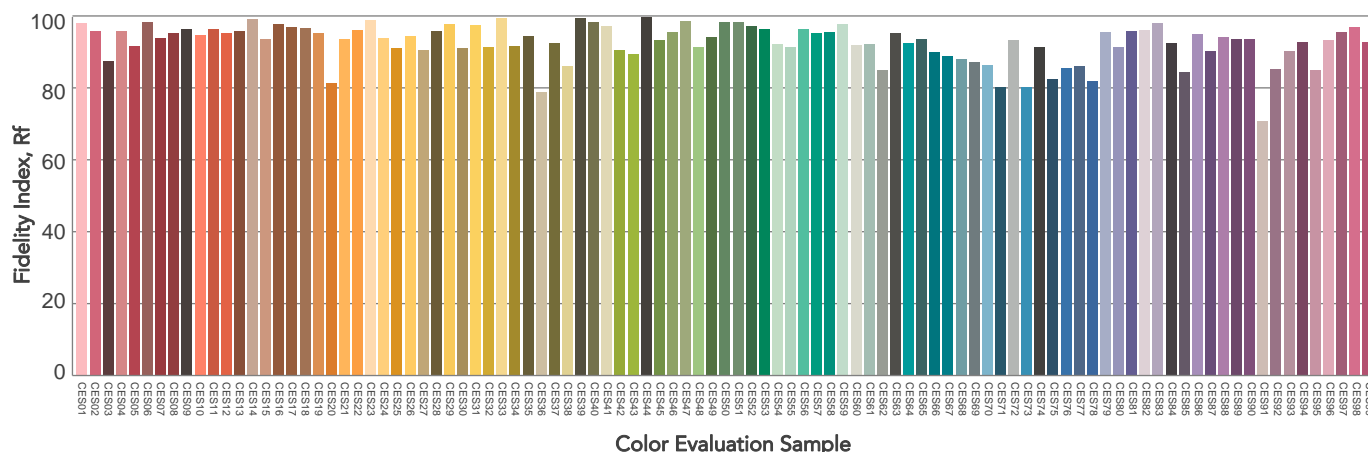
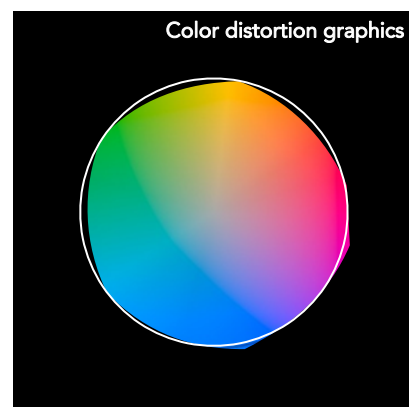
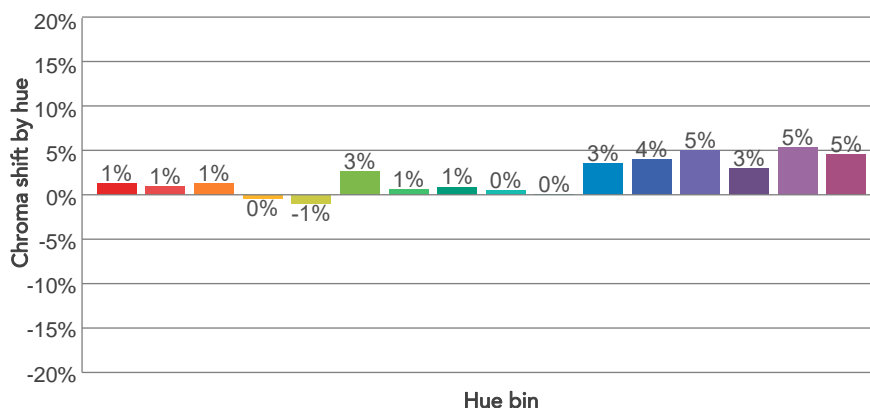
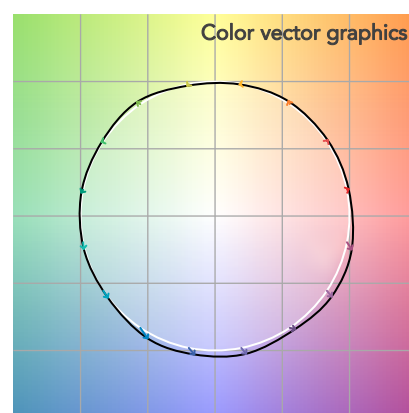
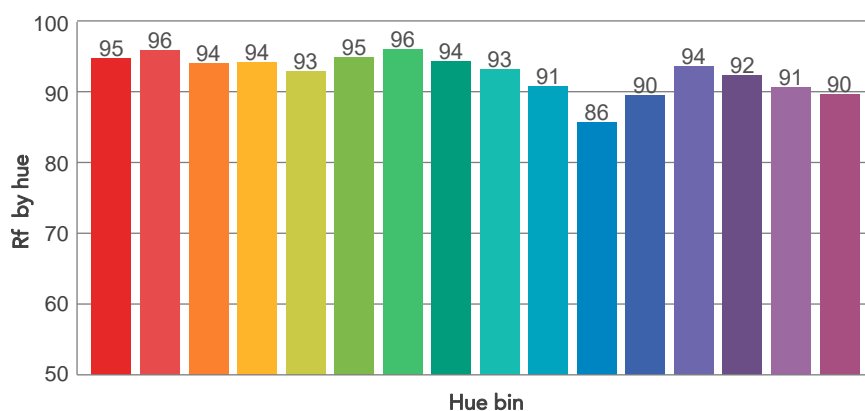
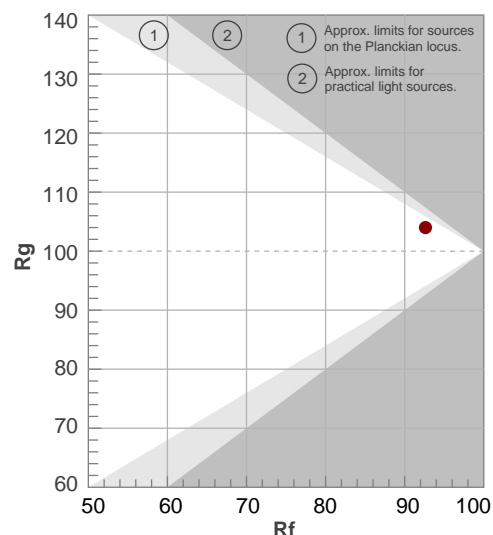
Rf 92,6

Fidelity index Rf

Rg 104,0

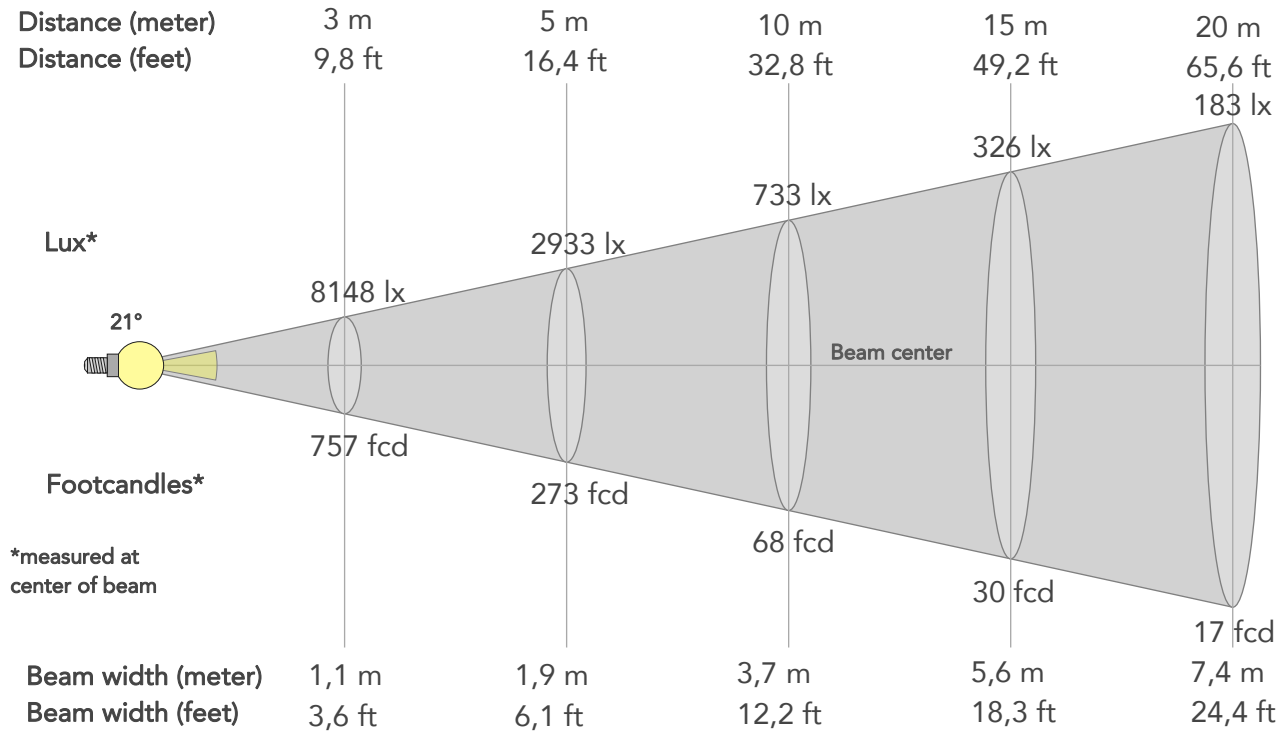
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	1%	0%
2	96	1%	0%
3	94	1%	2%
4	94	0%	1%
5	93	-1%	1%
6	95	3%	1%
7	96	1%	1%
8	94	1%	2%
9	93	0%	5%
10	91	0%	6%
11	86	3%	9%
12	90	4%	5%
13	94	5%	3%
14	92	3%	3%
15	91	5%	-2%
16	90	5%	-4%



BEAM DETAILS

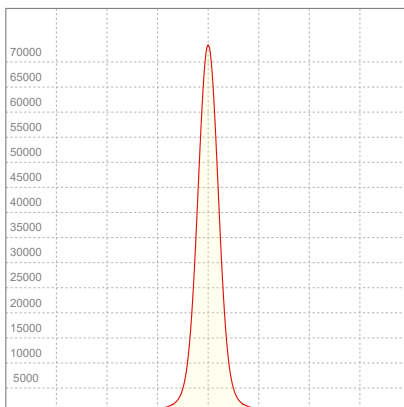
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21°	40,3°	61,5°	96,7%	91,5%



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	73333lx	18333lx	8148lx	4583lx	2933lx	1304lx	733lx	326lx	183lx	117lx	81lx	46lx	29lx
Footcand.	6813fcd	1703fcd	757fcd	426fcd	273fcd	121fcd	68fcd	30fcd	17fcd	11fcd	8fcd	4fcd	3fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,9m	2,8m	3,7m	5,6m	7,4m	9,3m	11,1m	14,9m	18,6m
Beam wid.	1,2ft	2,5ft	3,6ft	4,9ft	6,1ft	9,1ft	12,2ft	18,3ft	24,4ft	30,4ft	36,5ft	48,7ft	60,9ft

LINEAR DISTRIBUTION DIAGRAM

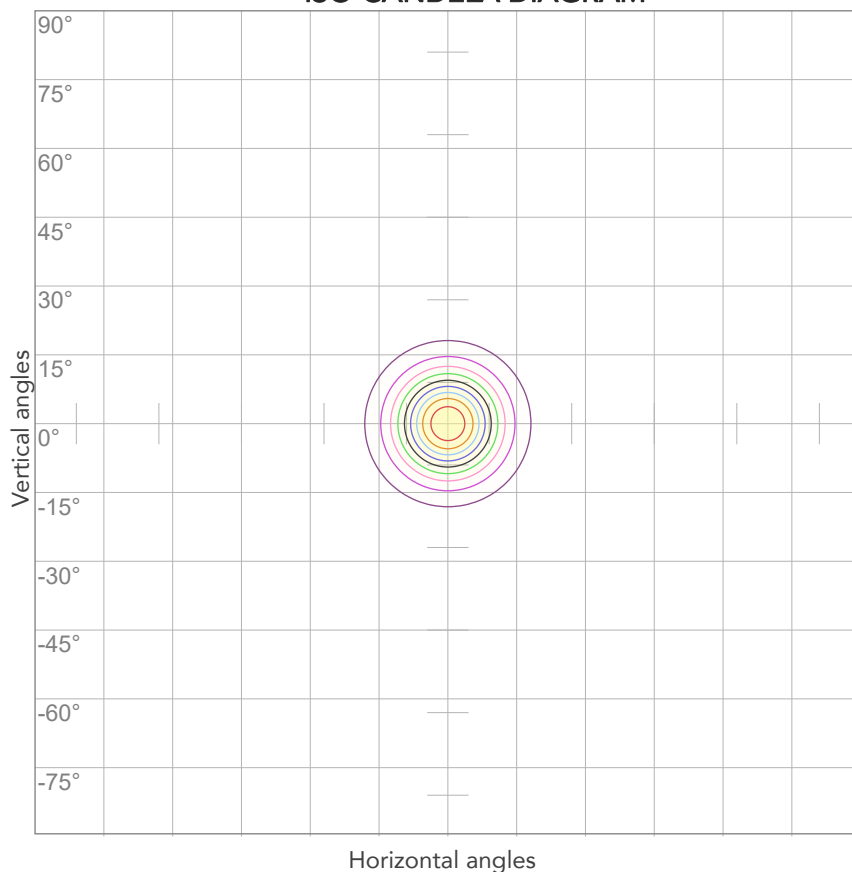


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	1,02A	224,5W	0,98	65lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



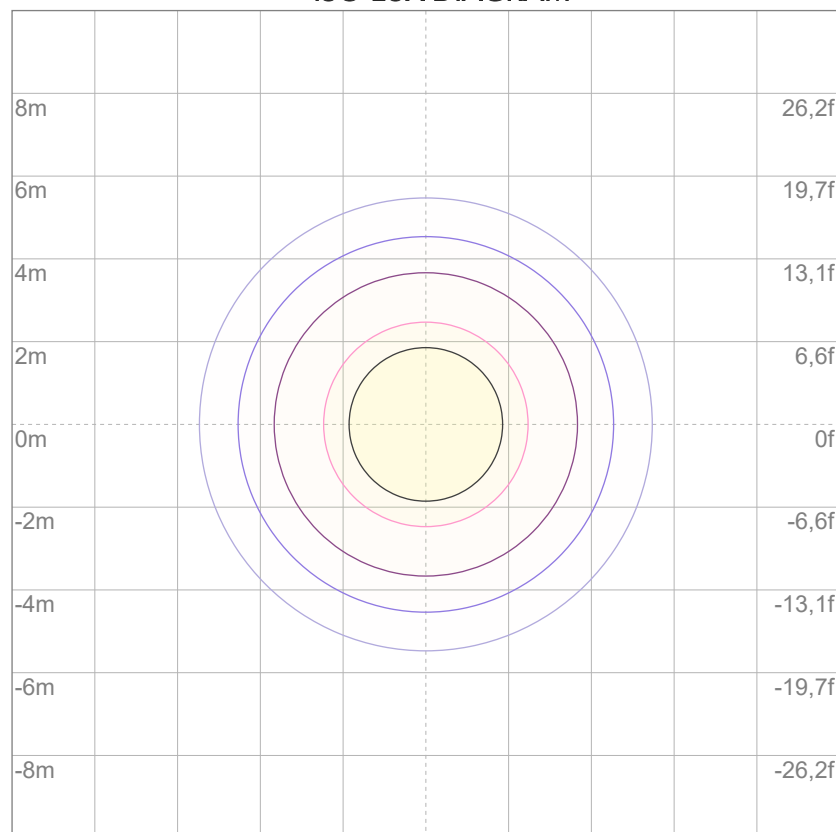
10%	7333 cd
20%	14667 cd
30%	22000 cd
40%	29333 cd
50%	36667 cd
60%	44000 cd
70%	51333 cd
80%	58667 cd

Conditions:

Number of c-planes: 2

Candela at center: 73333 cd

ISO LUX DIAGRAM



3%	22,0 lx
5%	36,7 lx
10%	73,3 lx
30%	220 lx
50%	367 lx

Conditions:

Number of c-planes: 2

Lux at center: 733 lx

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



Total lumen output:

13971 lm

Peak candela output:

26902 cd

Light quality:

CRI: 95,0

Color temperature:

4315 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

40°

Target:

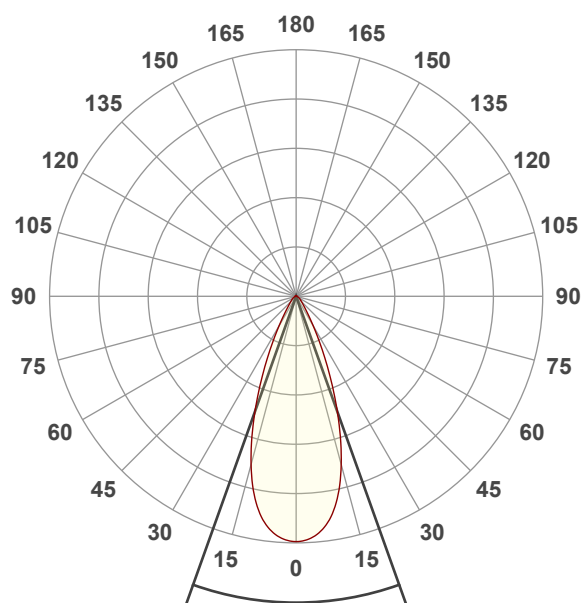
Full On

Operator:

Salvatore Giglio

Date and time:

22/01/2024 16:25:18

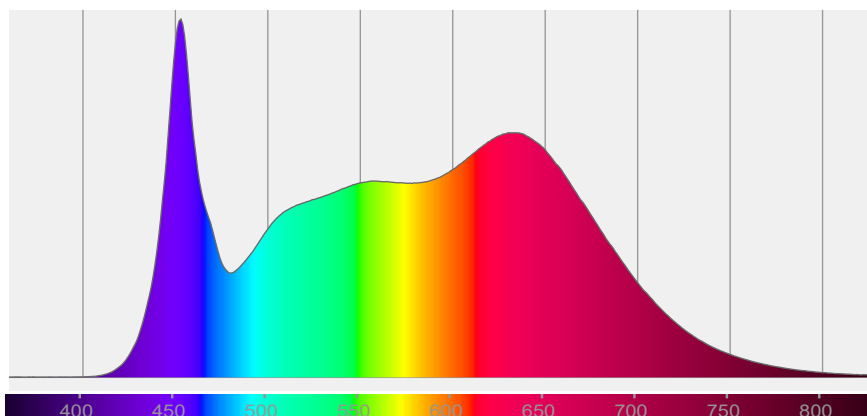


Beam angle 50%: 39,3°

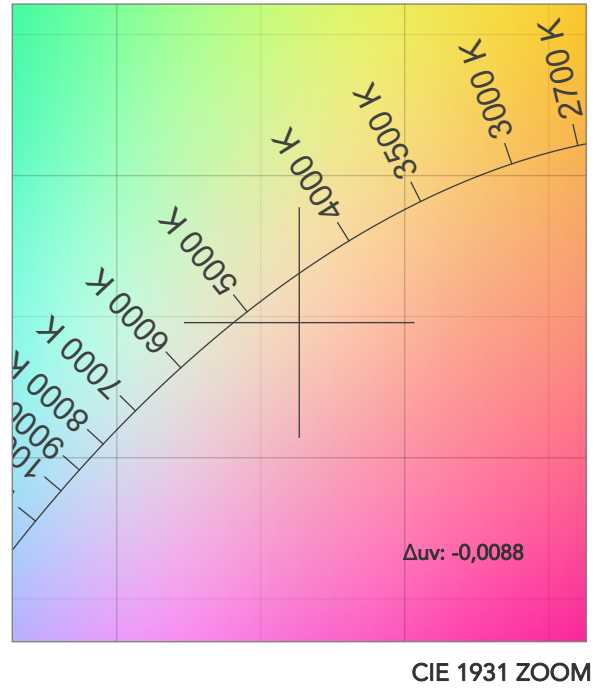
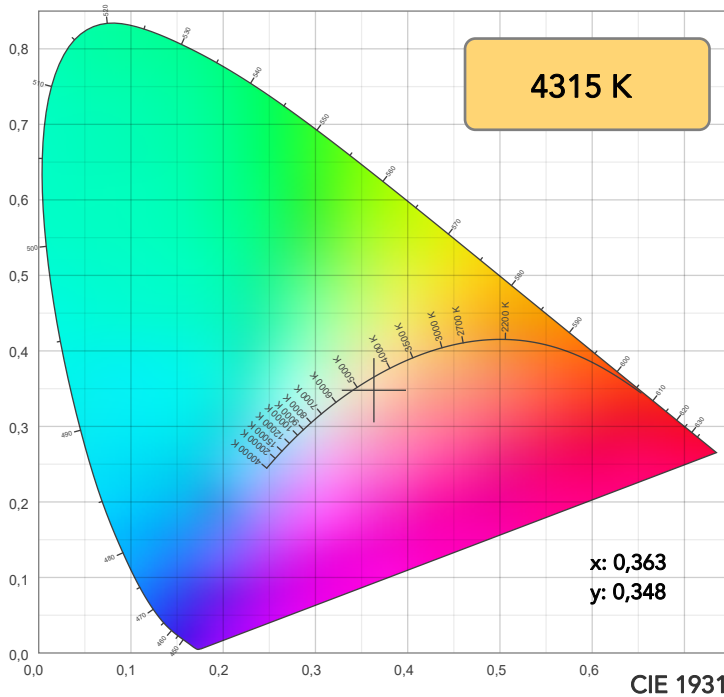
Field angle 10%: 65°

Cut off angle 2.5%: 98,1°

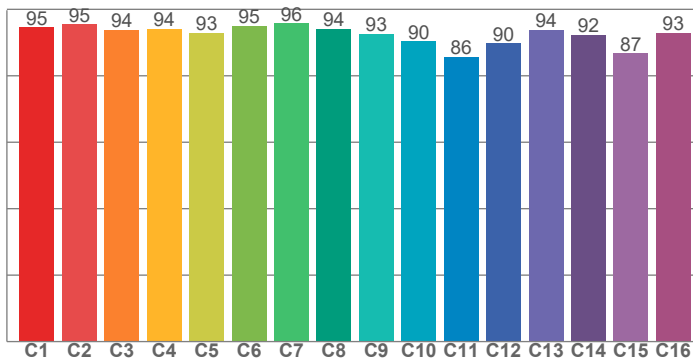
Spectra



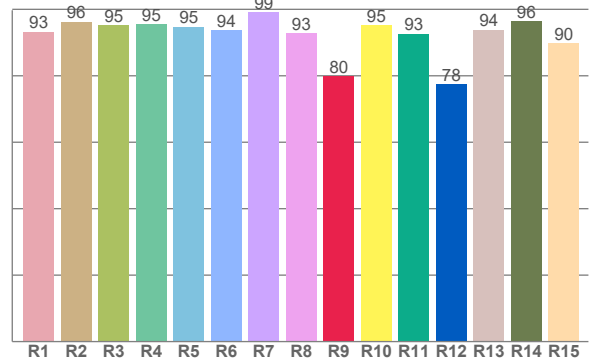
COLOR DETAILS



TM30: 92,5



CRI: 95,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,3	96,3	95,2	95,5	94,8	93,6	99,1	92,8	79,9	95,2	92,6	77,5	93,8	96,4	89,9

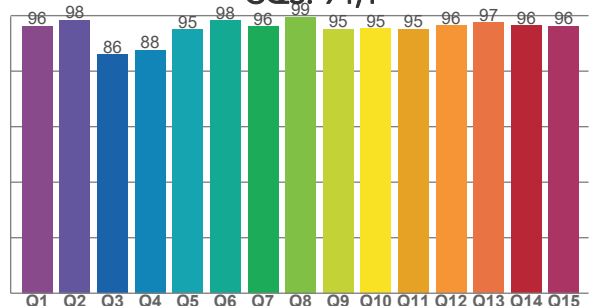
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,6	95,5	93,9	94,1	92,9	95,0	95,8	94,1	92,6	90,4	85,7	89,8	93,8	92,4	86,7	92,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,3	98,5	85,9	87,7	95,0	98,2	96,0	99,5	95,2	95,3	95,2	96,4	97,4	96,4	96,3

CQS: 94,1



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
4315 K	95,0	79,9	92,5	104,1	94,1	97	0,363	0,348	-0,0088

TM30 DETAILS

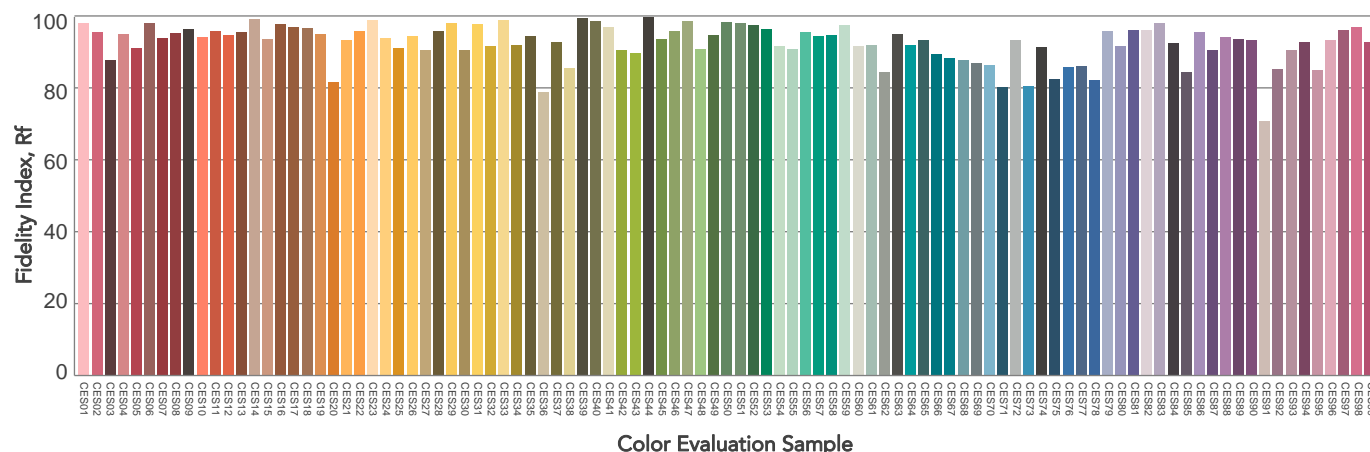
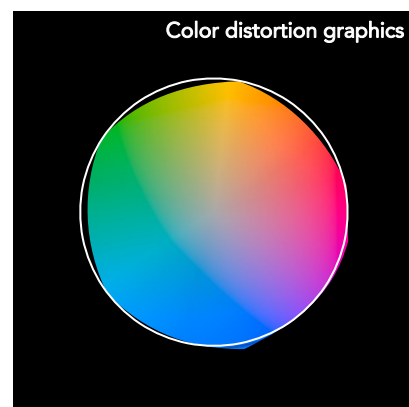
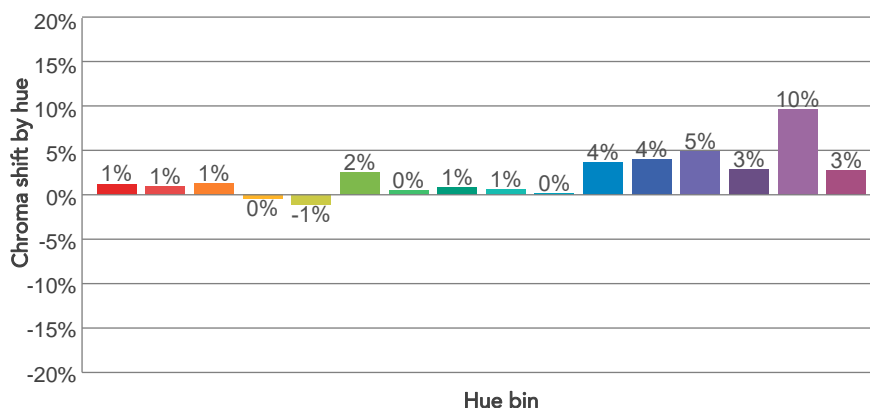
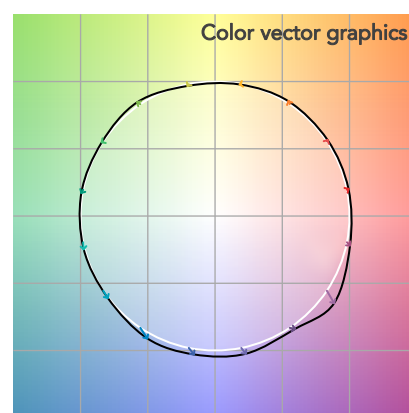
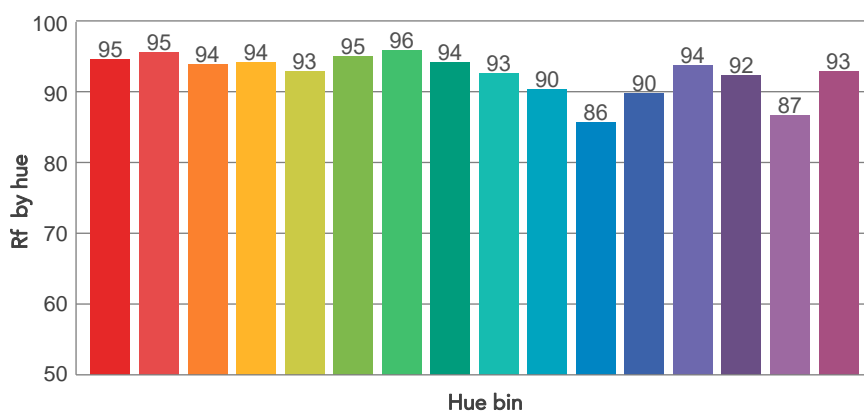
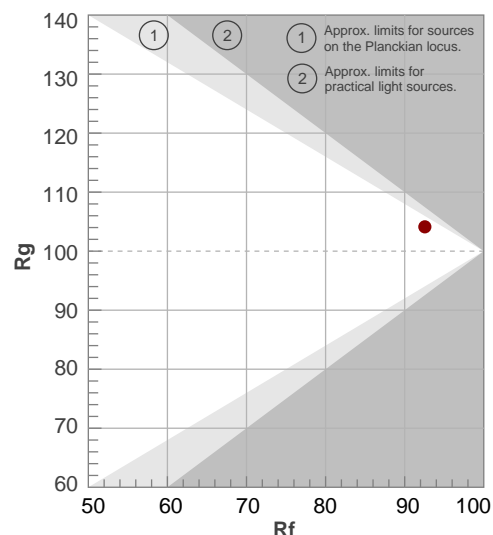
Rf 92,5

Fidelity index Rf

Rg 104,1

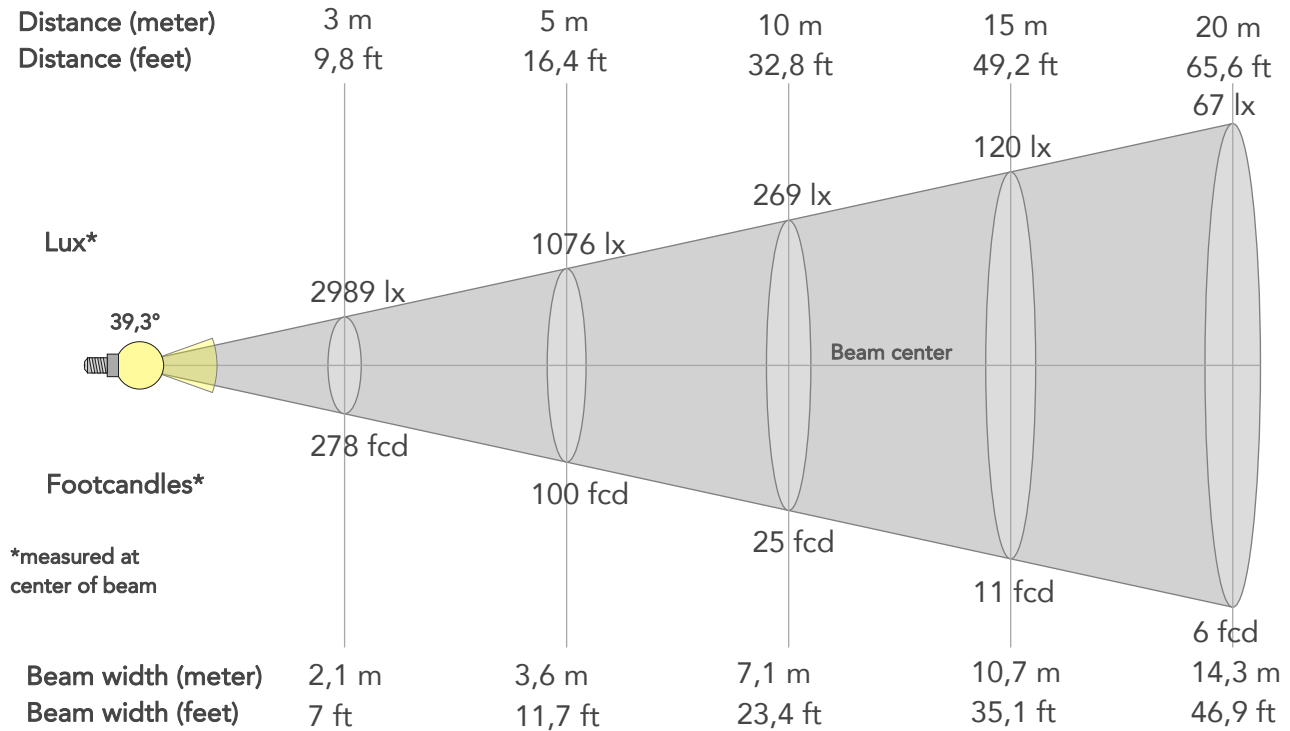
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	1%	0%
2	95	1%	1%
3	94	1%	2%
4	94	0%	1%
5	93	-1%	1%
6	95	2%	1%
7	96	0%	1%
8	94	1%	3%
9	93	1%	5%
10	90	0%	6%
11	86	4%	9%
12	90	4%	5%
13	94	5%	2%
14	92	3%	3%
15	87	10%	-5%
16	93	3%	-2%



BEAM DETAILS

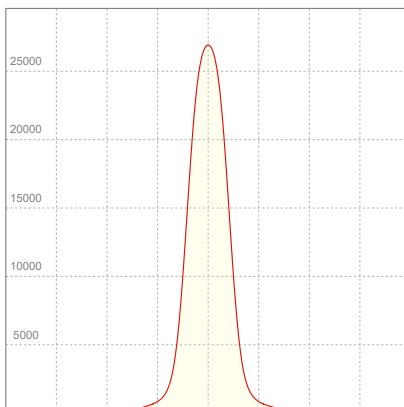
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,3°	65°	98,1°	96,7%	91,3%



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	26902lx	6725lx	2989lx	1681lx	1076lx	478lx	269lx	120lx	67lx	43lx	30lx	17lx	11lx
Footcand.	2499fcd	625fcd	278fcd	156fcd	100fcd	44fcd	25fcd	11fcd	6fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,7m	1,4m	2,1m	2,9m	3,6m	5,4m	7,1m	10,7m	14,3m	17,9m	21,4m	28,6m	35,7m
Beam wid.	2,4ft	4,7ft	7ft	9,4ft	11,7ft	17,6ft	23,4ft	35,1ft	46,9ft	58,6ft	70,3ft	93,7ft	117,2ft

LINEAR DISTRIBUTION DIAGRAM

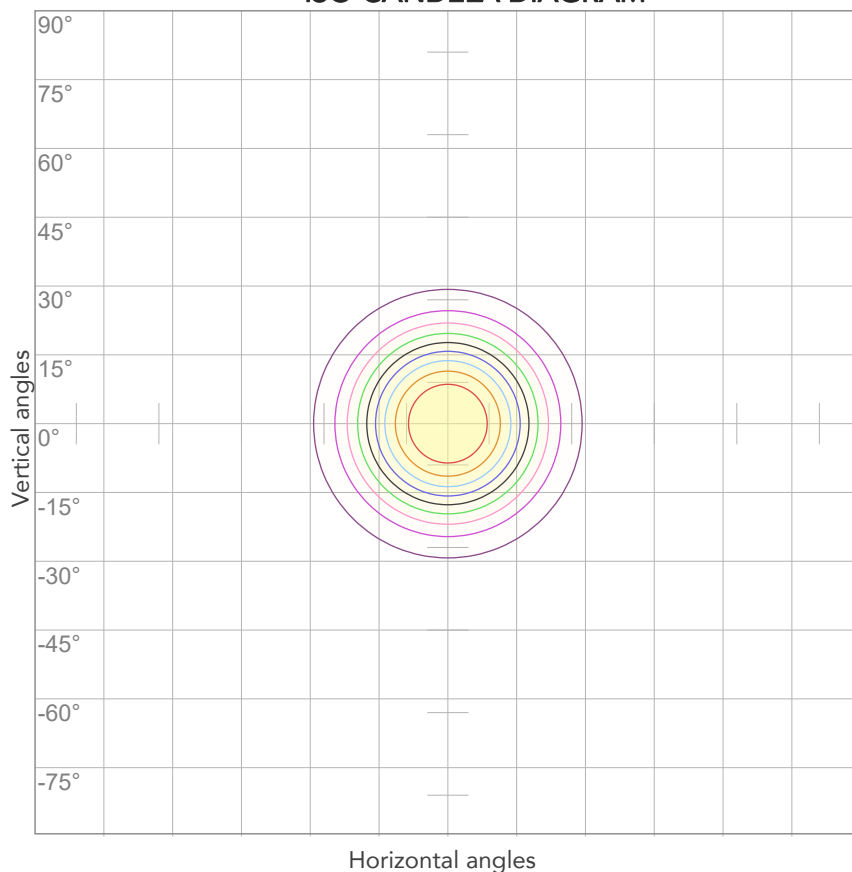


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	1,01A	221,7W	0,97	63lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



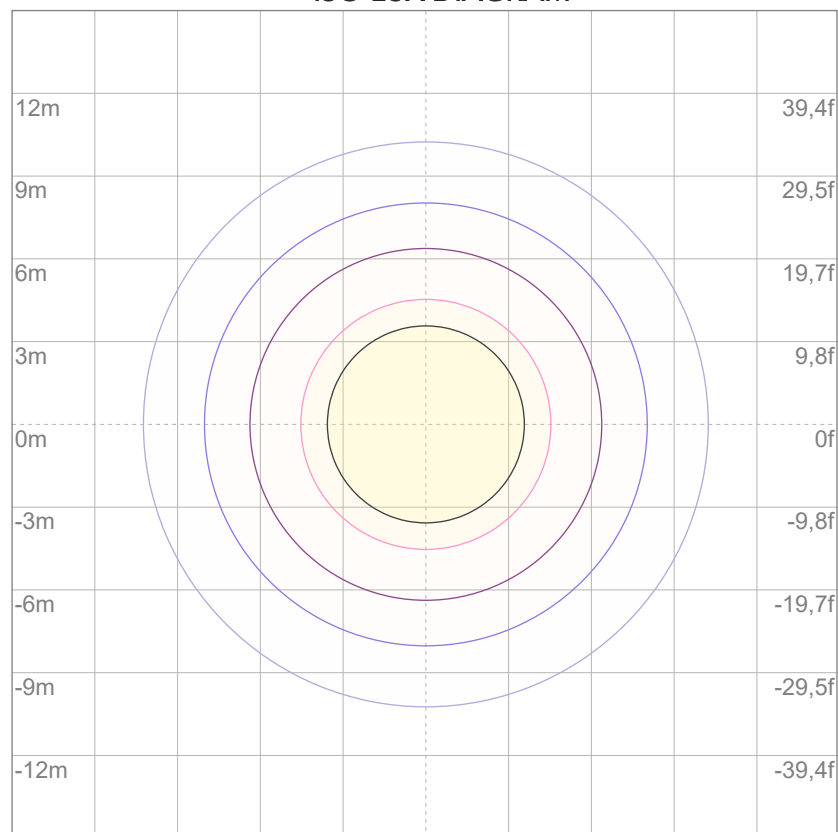
10%	2690 cd
20%	5380 cd
30%	8071 cd
40%	10761 cd
50%	13451 cd
60%	16141 cd
70%	18831 cd
80%	21521 cd

Conditions:

Number of c-planes: 2

Candela at center: 26902 cd

ISO LUX DIAGRAM



3%	8,07 lx
5%	13,5 lx
10%	26,9 lx
30%	80,7 lx
50%	135 lx

Conditions:

Number of c-planes: 2

Lux at center: 269 lx

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



Total lumen output:

12725 lm

Peak candela output:

13533 cd

Light quality:

CRI: 94,9

Color temperature:

4333 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

60°

Target:

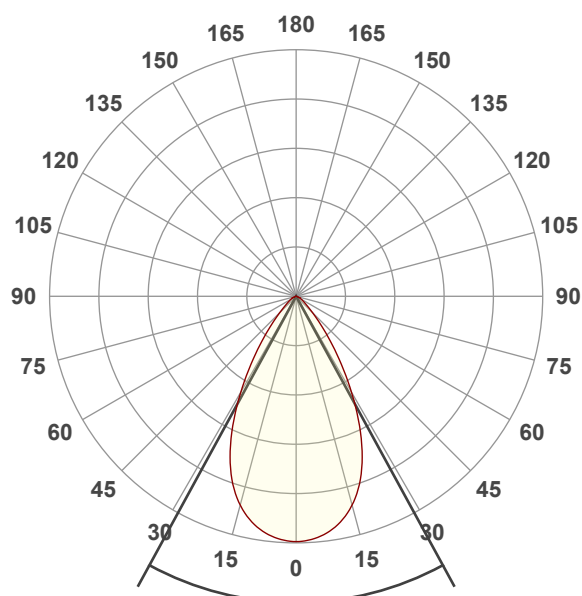
Full On

Operator:

Salvatore Giglio

Date and time:

22/01/2024 17:17:15

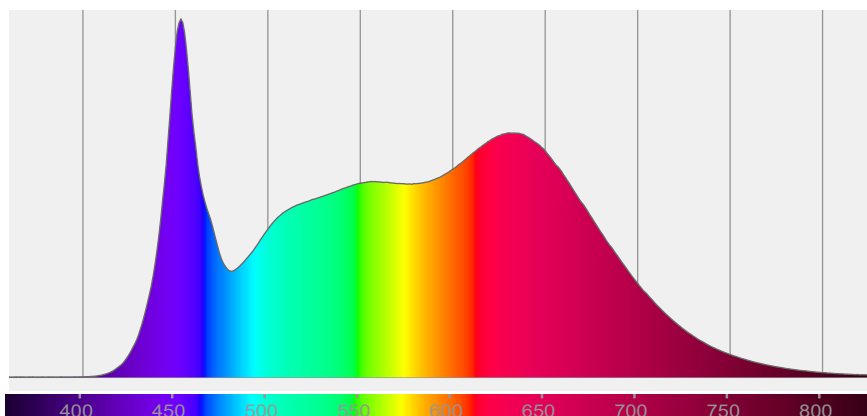


Beam angle 50%: 57,2°

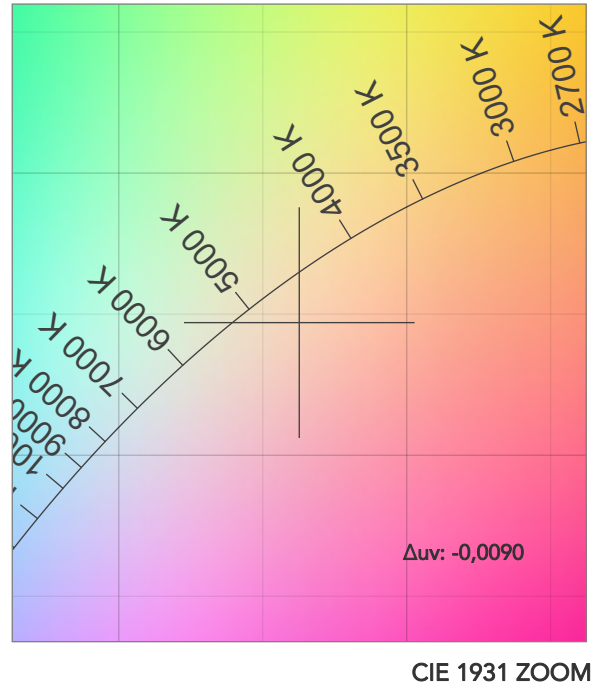
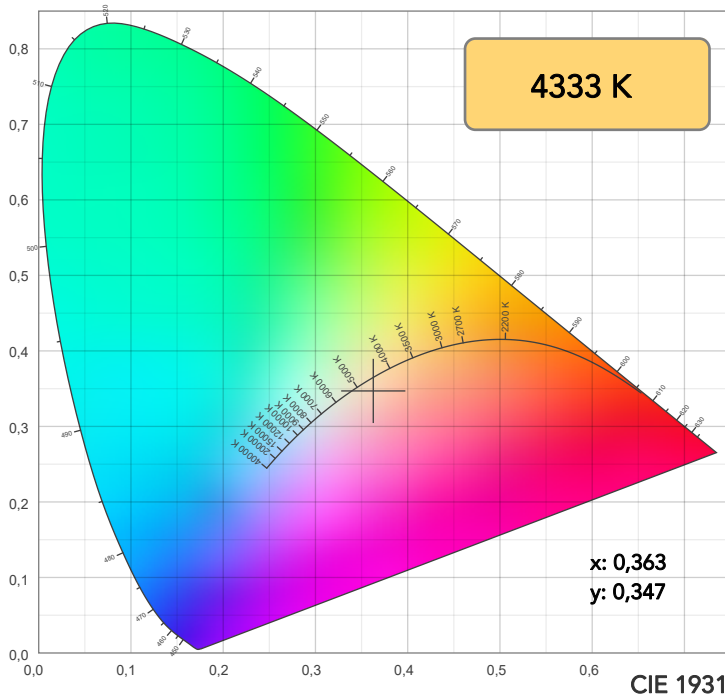
Field angle 10%: 89,4°

Cut off angle 2.5%: 119,8°

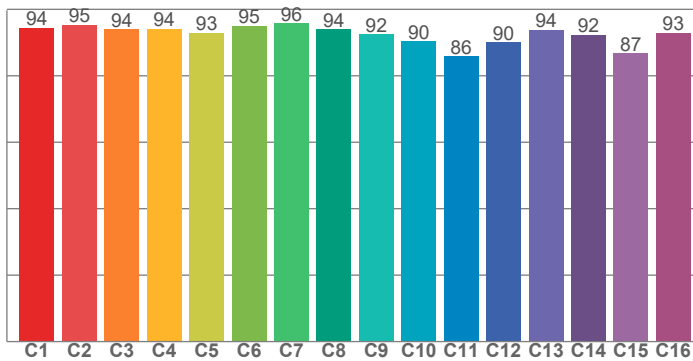
Spectra



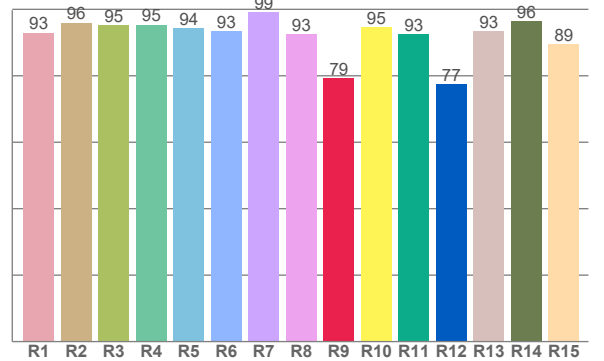
COLOR DETAILS



TM30: 92,5



CRI: 94,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92,9	96,0	95,3	95,4	94,4	93,4	99,2	92,6	79,2	94,7	92,5	77,4	93,4	96,5	89,5

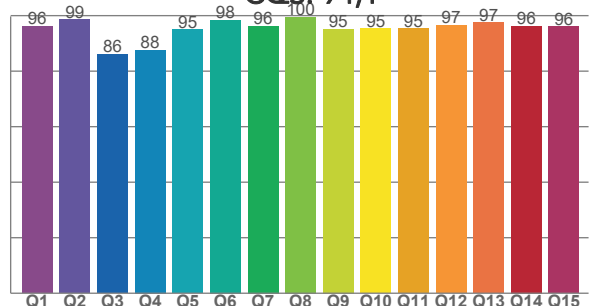
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,4	95,3	93,9	94,1	92,9	95,0	95,7	93,9	92,4	90,3	85,9	90,1	93,9	92,4	86,7	92,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,1	98,6	86,1	87,7	94,9	98,4	96,2	99,6	95,2	95,4	95,3	96,5	97,4	96,2	96,1

CQS: 94,1



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
4333 K	94,9	79,2	92,5	104,1	94,1	97	0,363	0,347	-0,0090

TM30 DETAILS

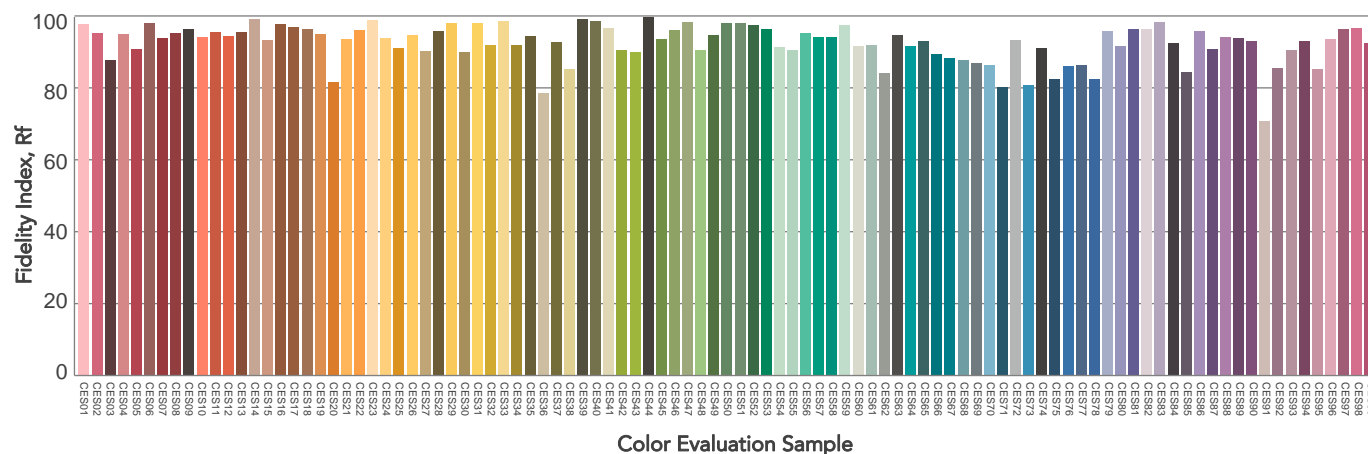
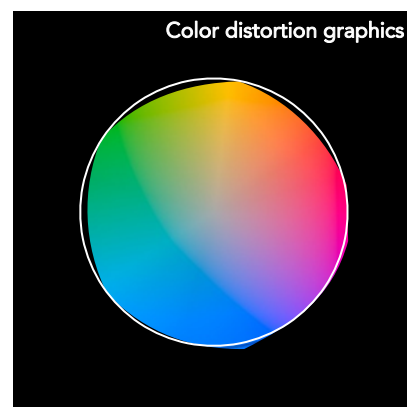
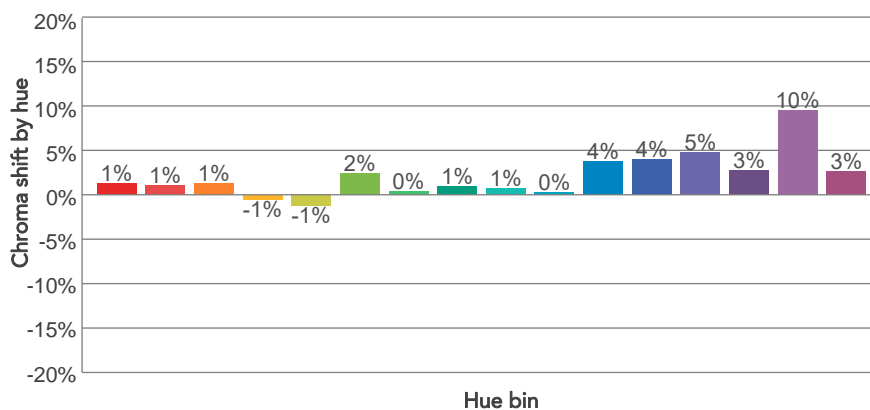
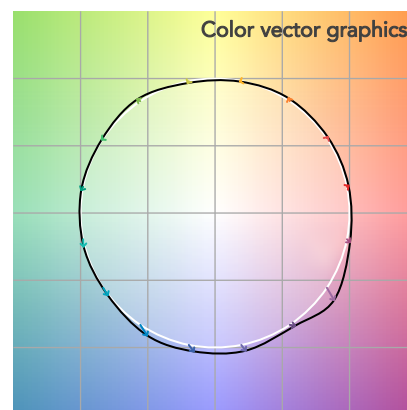
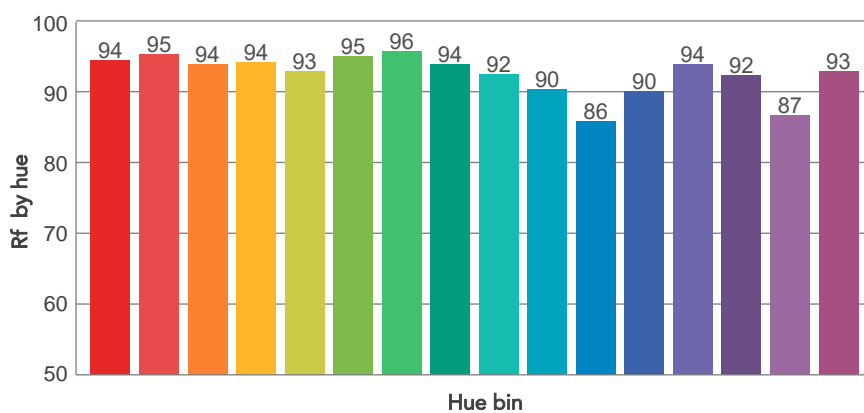
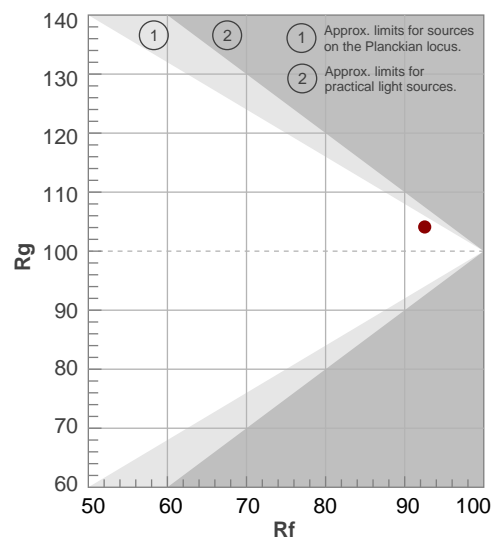
Rf 92,5

Fidelity index R_f

Rg 104,1

Gammut index

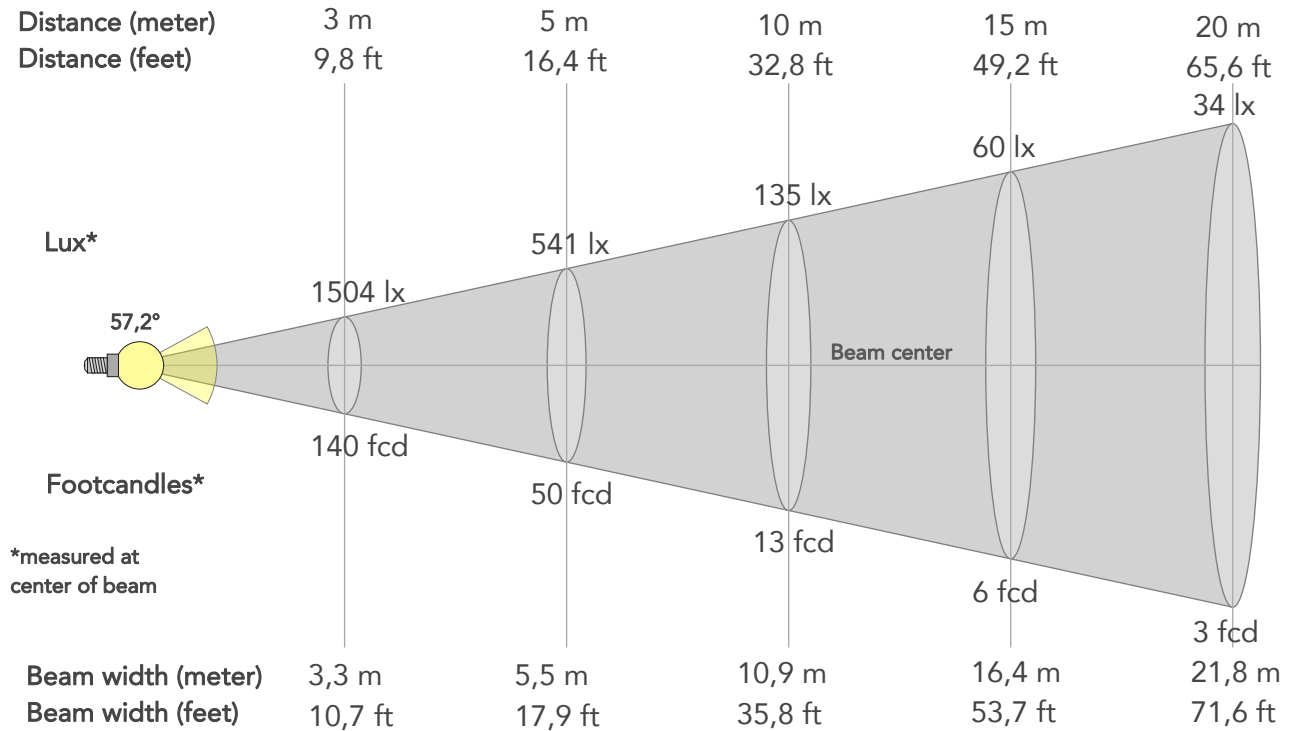
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	1%	1%
2	95	1%	1%
3	94	1%	2%
4	94	-1%	1%
5	93	-1%	1%
6	95	2%	1%
7	96	0%	1%
8	94	1%	3%
9	92	1%	5%
10	90	0%	6%
11	86	4%	9%
12	90	4%	5%
13	94	5%	2%
14	92	3%	3%
15	87	10%	-5%
16	93	3%	-2%



BEAM DETAILS



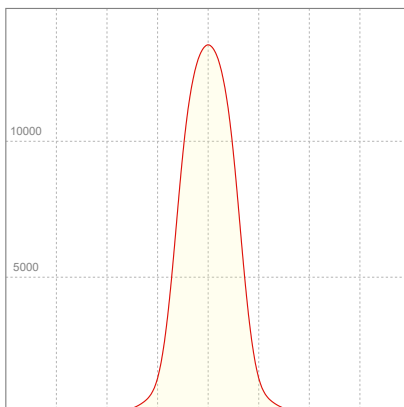
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,2°	89,4°	119,8°	97,4%	90,8%



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	13533lx	3383lx	1504lx	846lx	541lx	241lx	135lx	60lx	34lx	22lx	15lx	8lx	5lx
Footcand.	1257fcd	314fcd	140fcd	79fcd	50fcd	22fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	1fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,2m	10,9m	16,4m	21,8m	27,3m	32,7m	43,6m	54,6m
Beam wid.	3,6ft	7,2ft	10,7ft	14,3ft	17,9ft	26,8ft	35,8ft	53,7ft	71,6ft	89,5ft	107,4ft	143,2ft	178,9ft

LINEAR DISTRIBUTION DIAGRAM

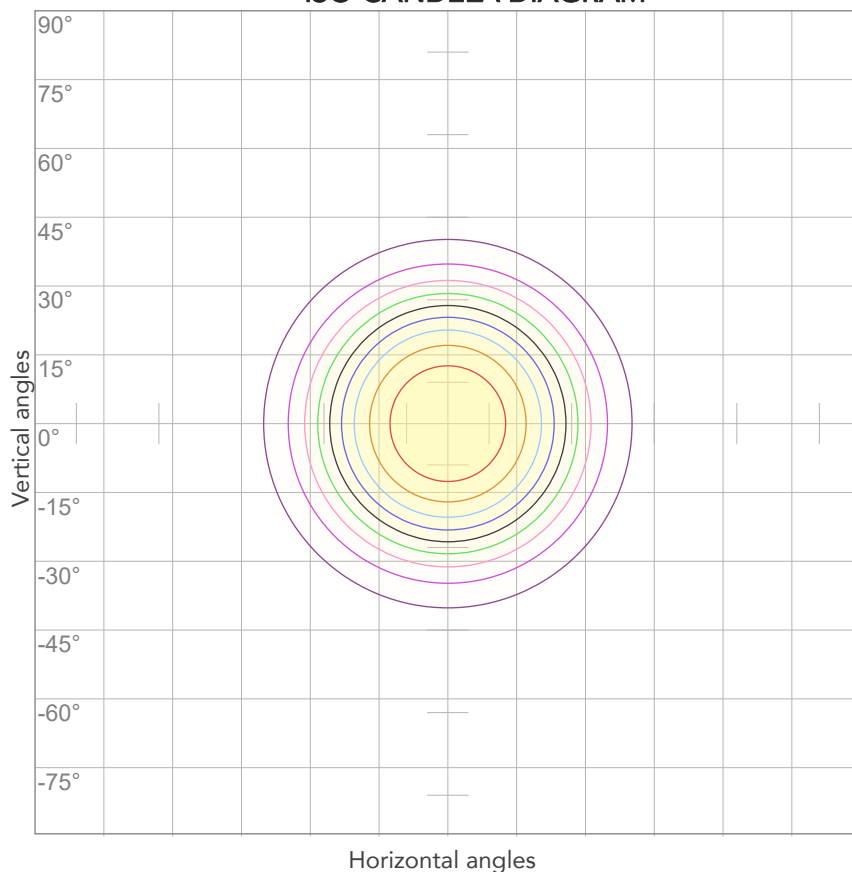


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	1,01A	220,7W	0,97	58lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



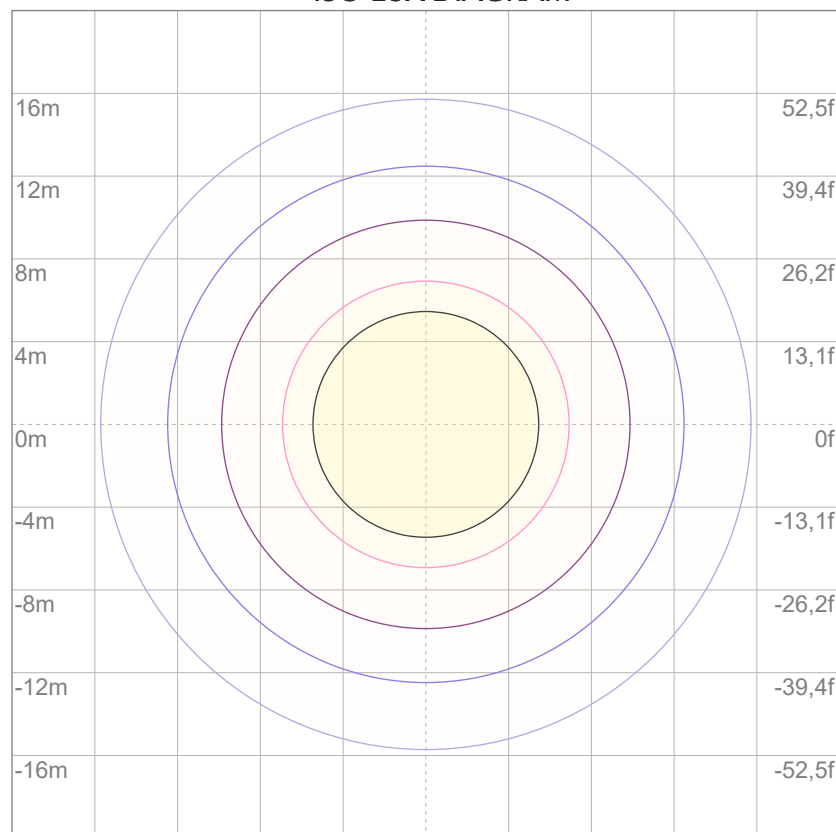
10%	1353 cd
20%	2707 cd
30%	4060 cd
40%	5413 cd
50%	6766 cd
60%	8120 cd
70%	9473 cd
80%	10826 cd

Conditions:

Number of c-planes: 2

Candela at center: 13533 cd

ISO LUX DIAGRAM



3%	4,06 lx
5%	6,77 lx
10%	13,5 lx
30%	40,6 lx
50%	67,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 135 lx

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



Total lumen output:

9602 lm

Peak candela output:

48478 cd

Light quality:

CRI: 95,9

Color temperature:

2732 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

20°

Target:

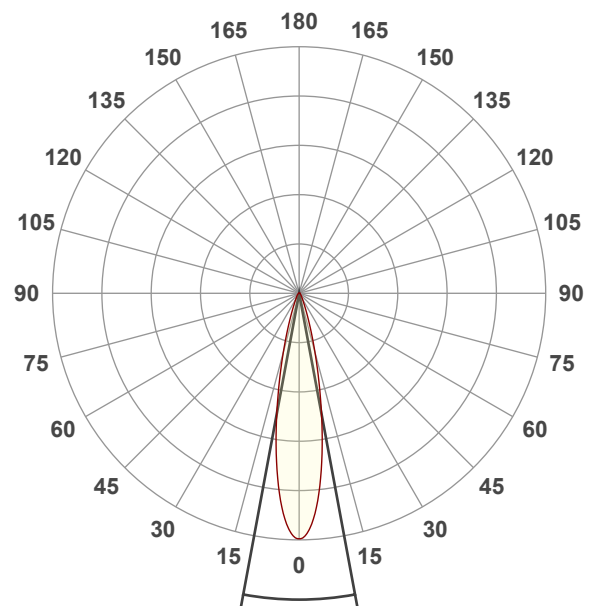
Warm White

Operator:

Salvatore Giglio

Date and time:

22/01/2024 15:45:48

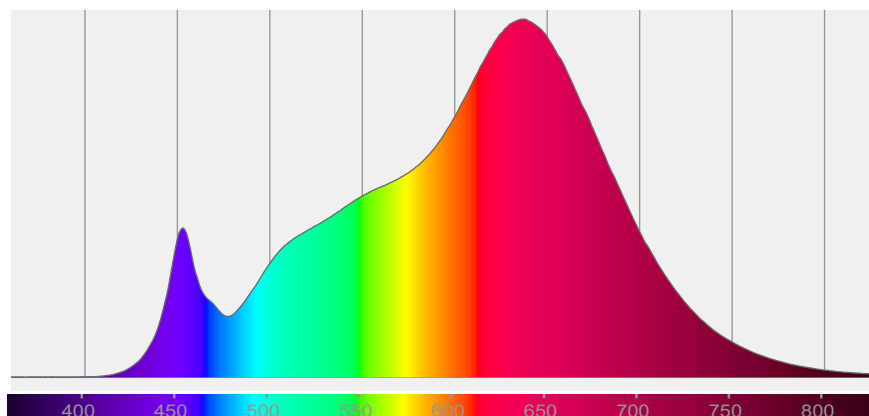


Beam angle 50%: 21°

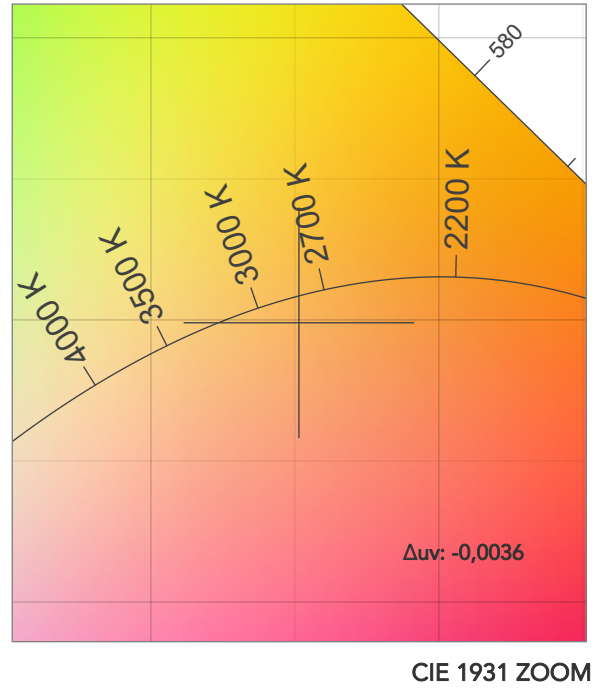
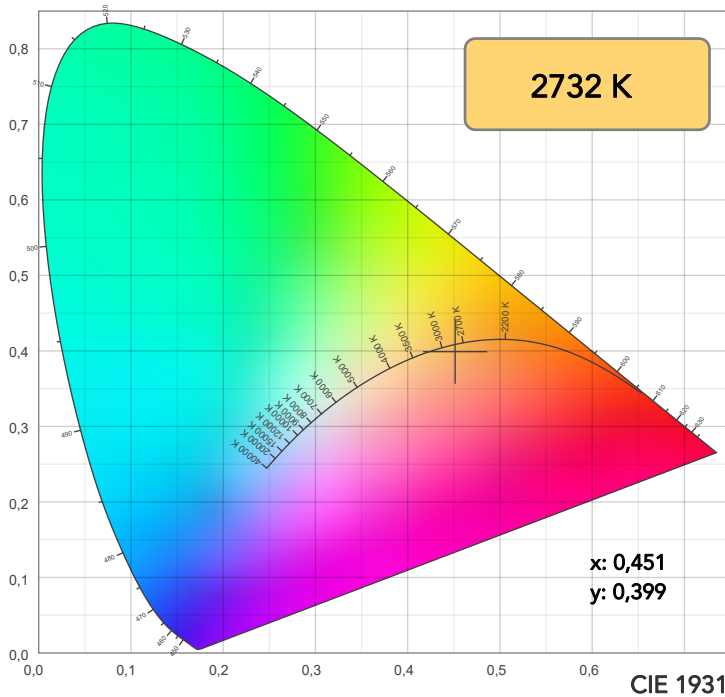
Field angle 10%: 40,2°

Cut off angle 2.5%: 61,2°

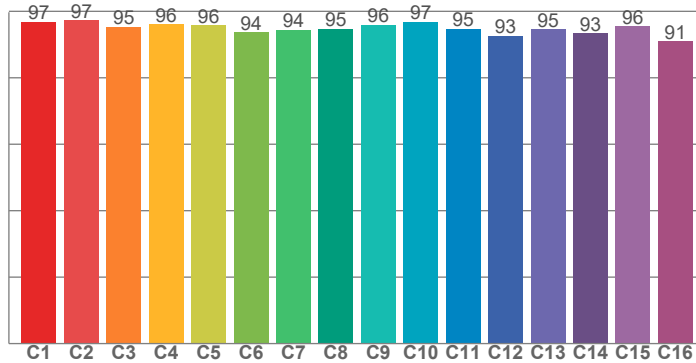
Spectra



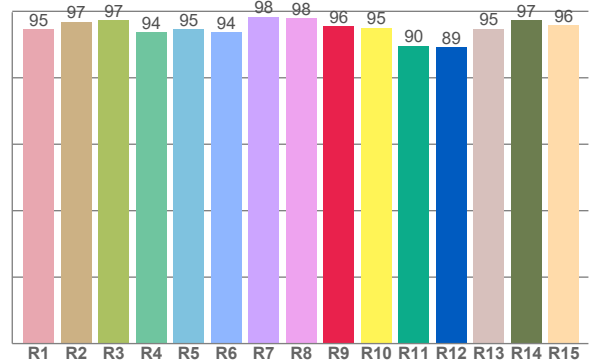
COLOR DETAILS



TM30: 95,2



CRI: 95,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,7	96,9	97,4	93,8	94,5	93,7	98,4	98,0	95,5	95,0	89,7	89,3	94,7	97,3	95,8

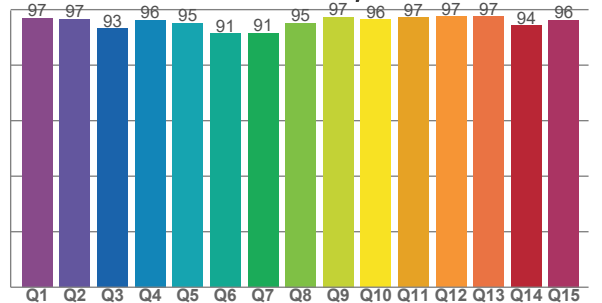
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,8	97,3	95,4	96,1	95,7	93,7	94,5	94,7	95,9	96,8	94,7	92,5	94,6	93,4	95,5	91,0

CQS Q values

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

CQS: 94,7



COLOR PARAMETERS

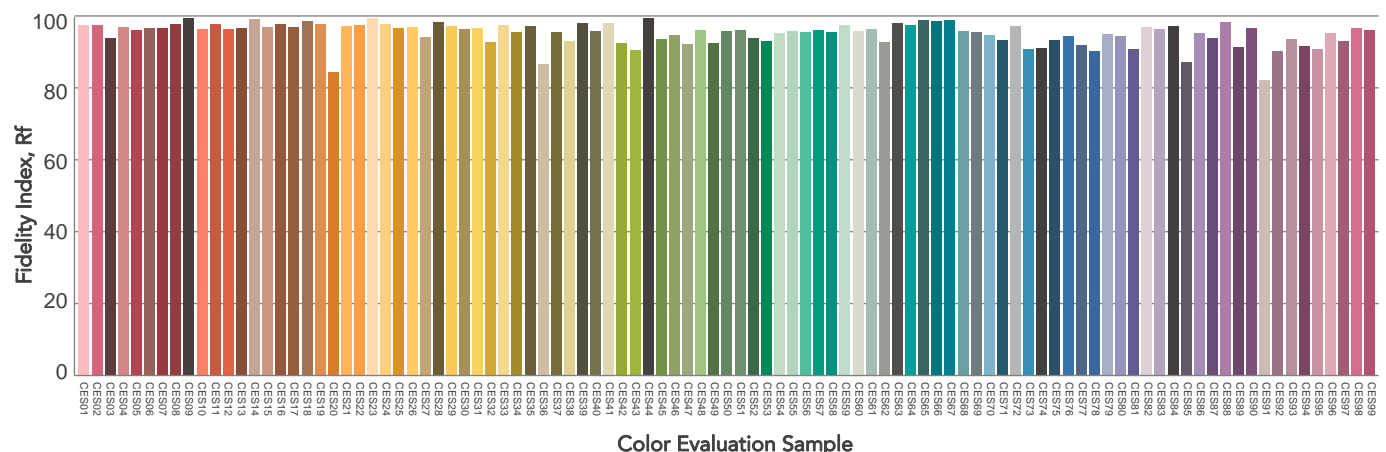
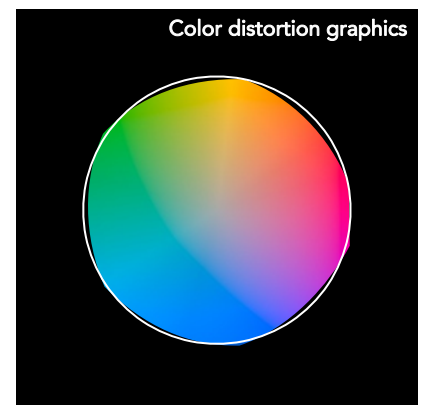
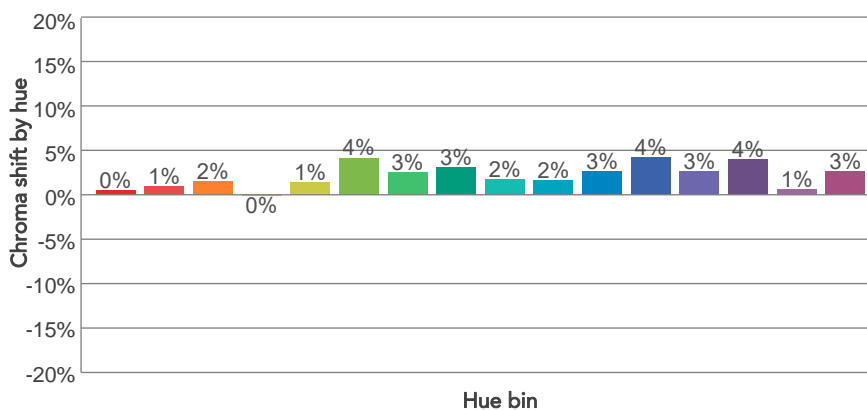
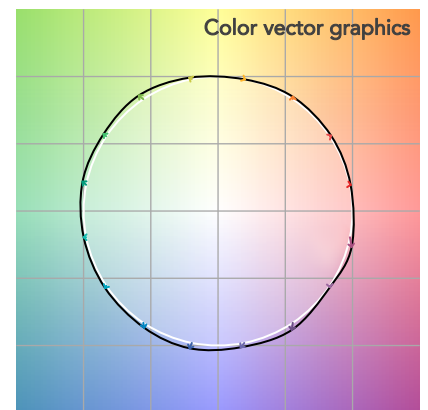
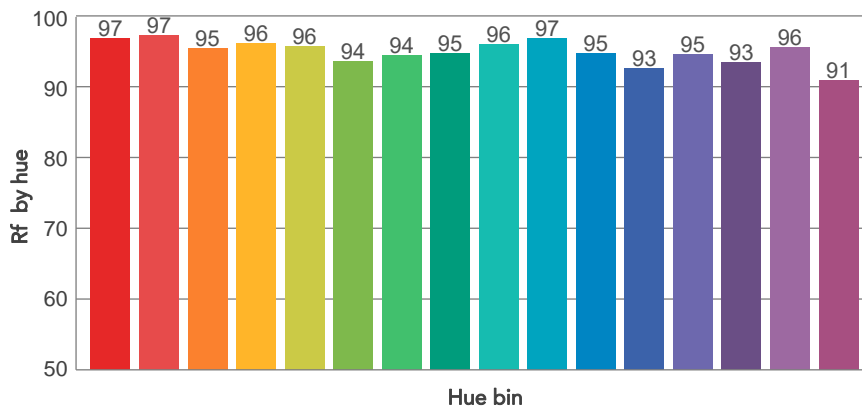
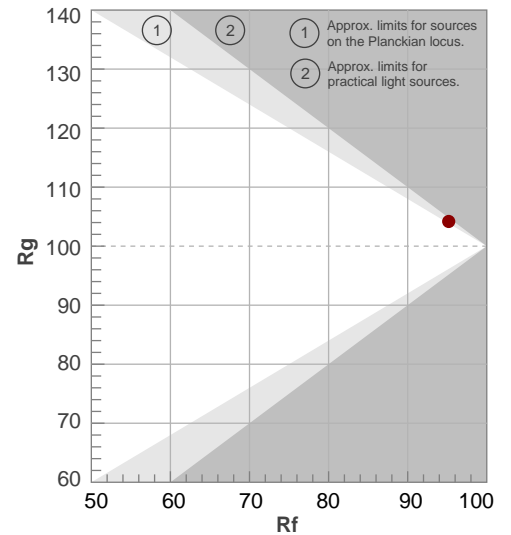
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2732 K	95,9	95,5	95,2	104,2	94,7	97	0,451	0,399	-0,0036

TM30 DETAILS

Rf 95,2
Fidelity index Rf

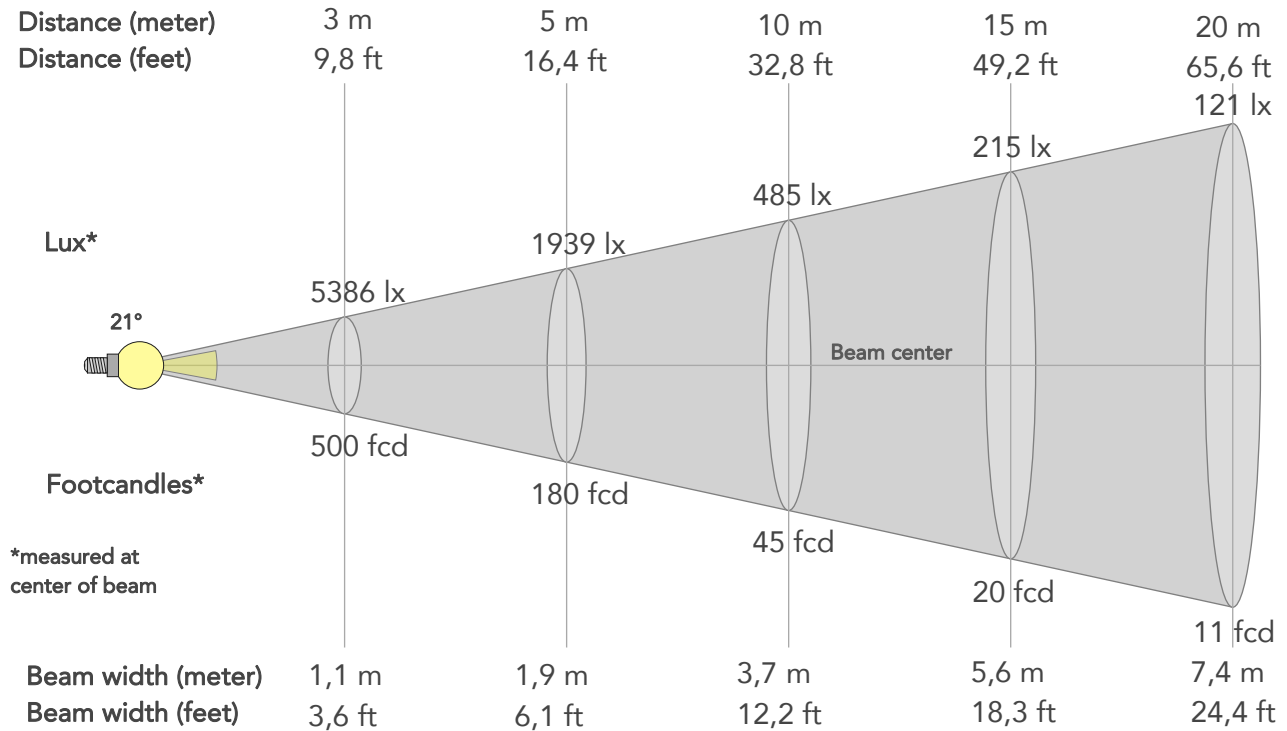
Rg 104,2
Gammut index

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



BEAM DETAILS

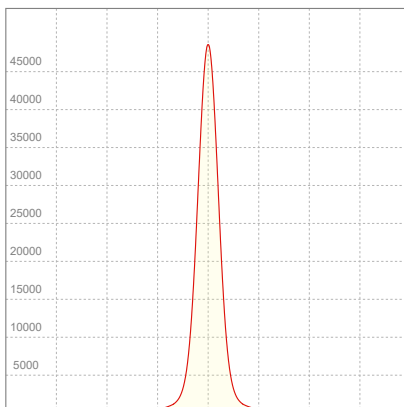
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21°	40,2°	61,2°	96,7%	91,5%



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	48478lx	12120lx	5386lx	3030lx	1939lx	862lx	485lx	215lx	121lx	78lx	54lx	30lx	19lx
Footcand.	4504fcd	1126fcd	500fcd	281fcd	180fcd	80fcd	45fcd	20fcd	11fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,9m	2,8m	3,7m	5,6m	7,4m	9,3m	11,1m	14,8m	18,6m
Beam wid.	1,2ft	2,5ft	3,6ft	4,9ft	6,1ft	9,1ft	12,2ft	18,3ft	24,4ft	30,4ft	36,5ft	48,7ft	60,9ft

LINEAR DISTRIBUTION DIAGRAM

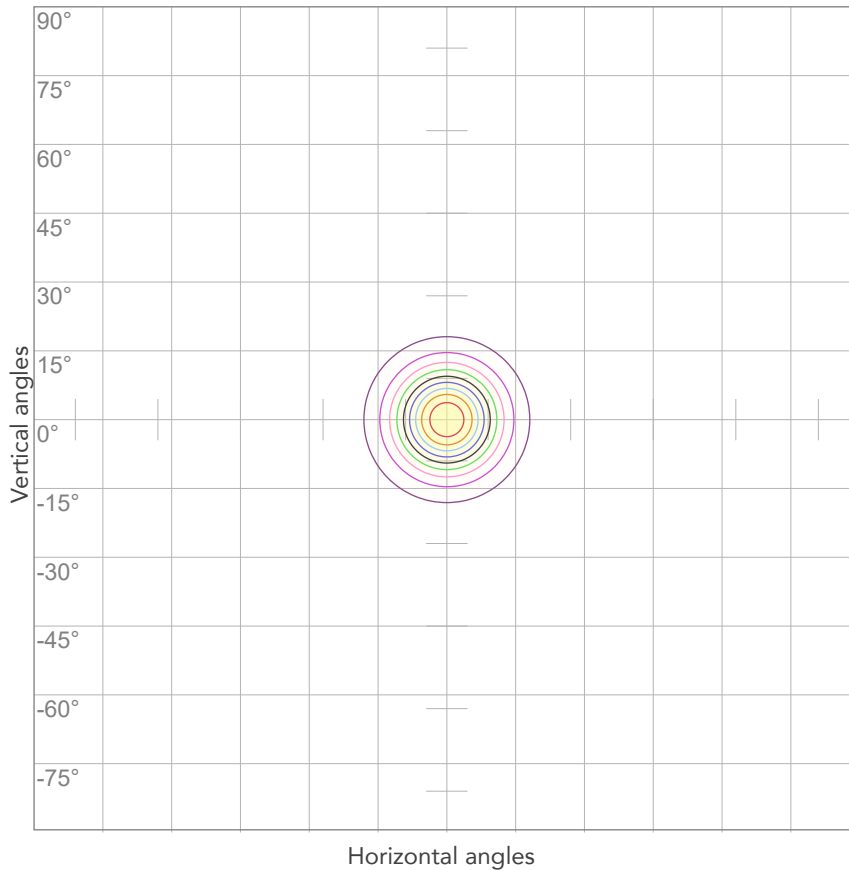


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,752A	163,1W	0,96	59lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



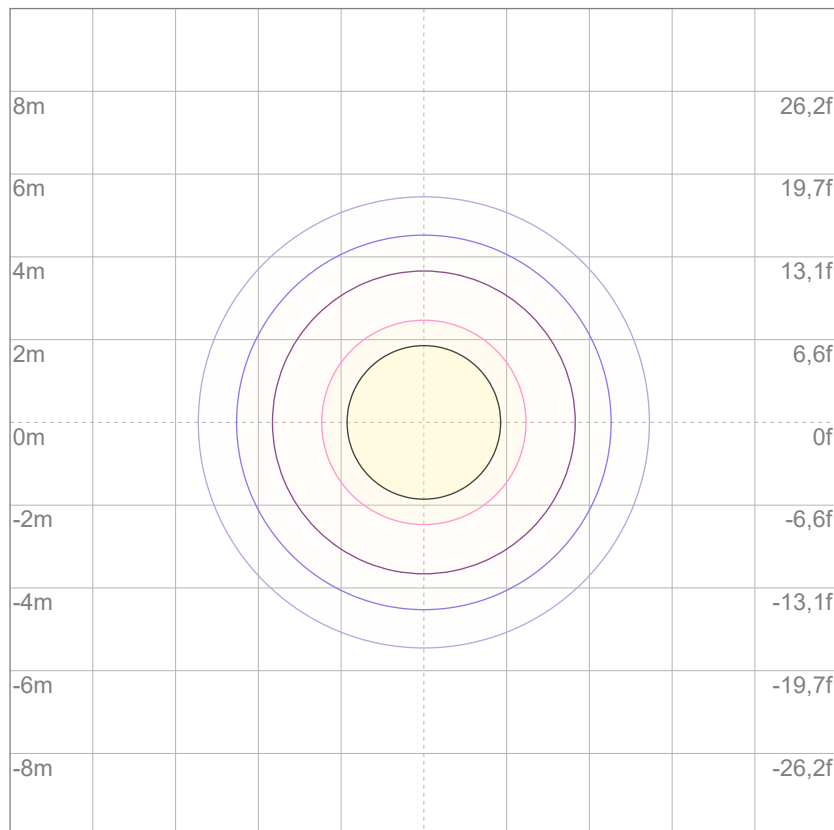
10%	4848 cd
20%	9696 cd
30%	14544 cd
40%	19391 cd
50%	24239 cd
60%	29087 cd
70%	33935 cd
80%	38783 cd

Conditions:

Number of c-planes: 2

Candela at center: 48478 cd

ISO LUX DIAGRAM



3%	14,5 lx
5%	24,2 lx
10%	48,5 lx
30%	145 lx
50%	242 lx

Conditions:

Number of c-planes: 2

Lux at center: 485 lx

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



Total lumen output:

9256 lm

Peak candela output:

17826 cd

Light quality:

CRI: 96,0

Color temperature:

2743 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

40°

Target:

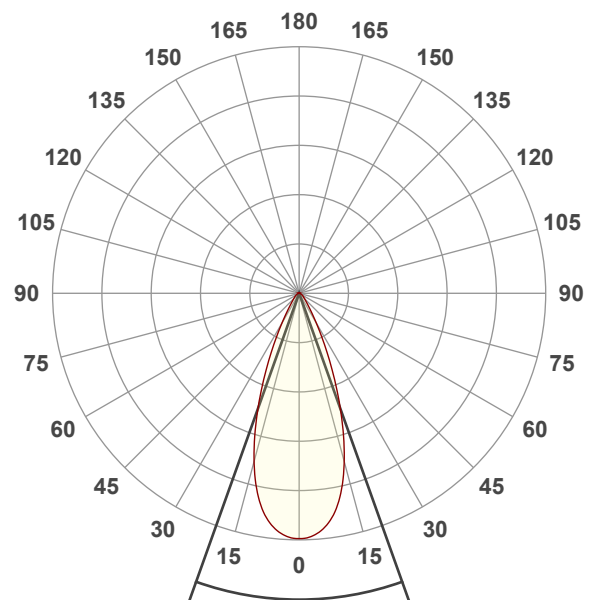
Warm White

Operator:

Salvatore Giglio

Date and time:

22/01/2024 16:26:54

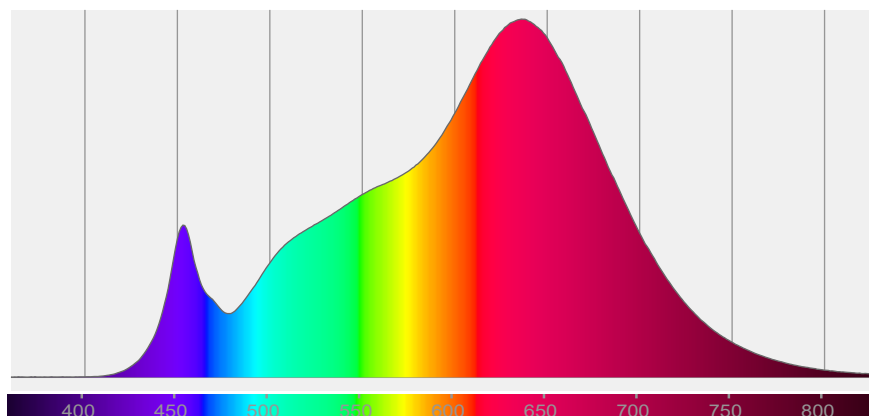


Beam angle 50%: 39,3°

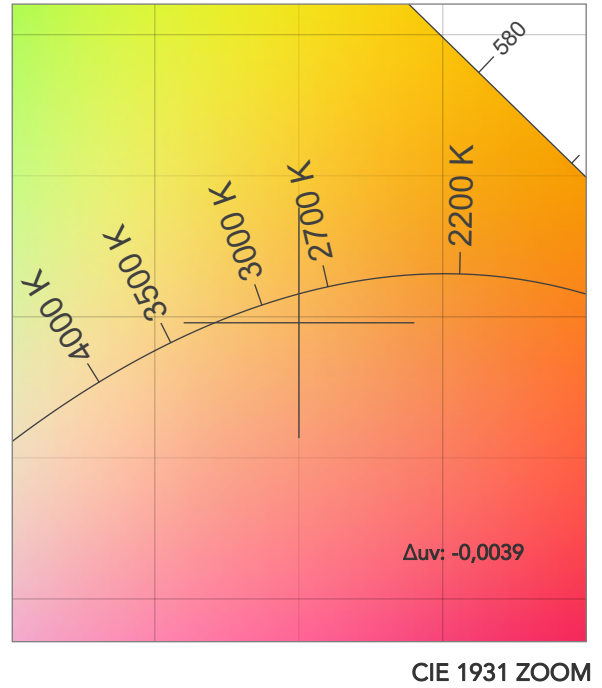
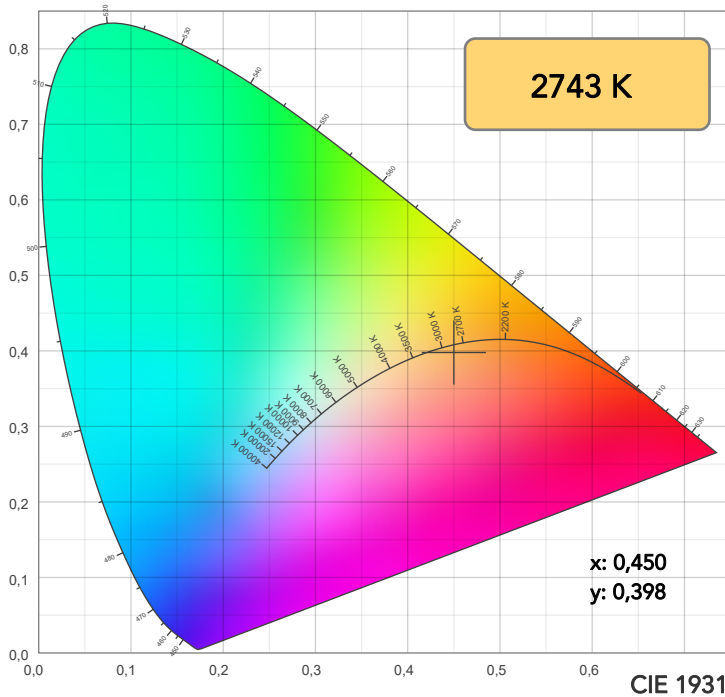
Field angle 10%: 65,1°

Cut off angle 2.5%: 97,8°

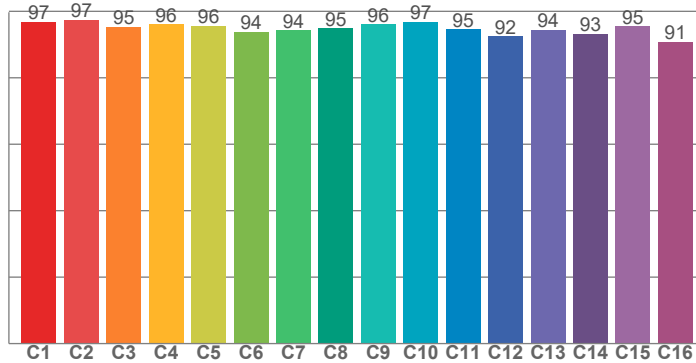
Spectra



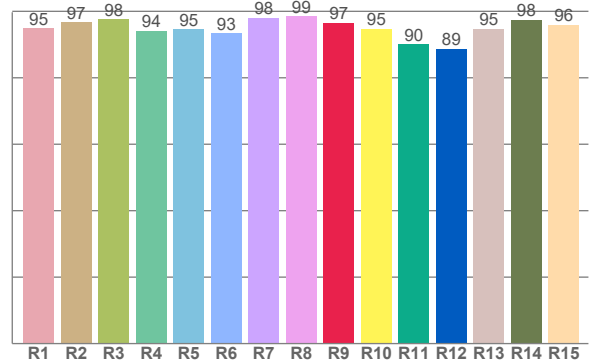
COLOR DETAILS



TM30: 95,2



CRI: 96,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,8	96,8	97,7	94,1	94,6	93,4	98,1	98,6	96,5	94,8	90,0	88,8	94,7	97,5	96,0

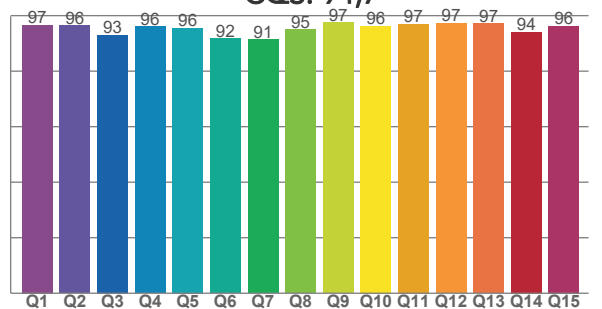
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,9	97,4	95,3	96,1	95,7	93,9	94,3	94,9	96,1	96,7	94,6	92,4	94,4	93,2	95,5	90,9

CQS Q values

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

CQS: 94,7



COLOR PARAMETERS

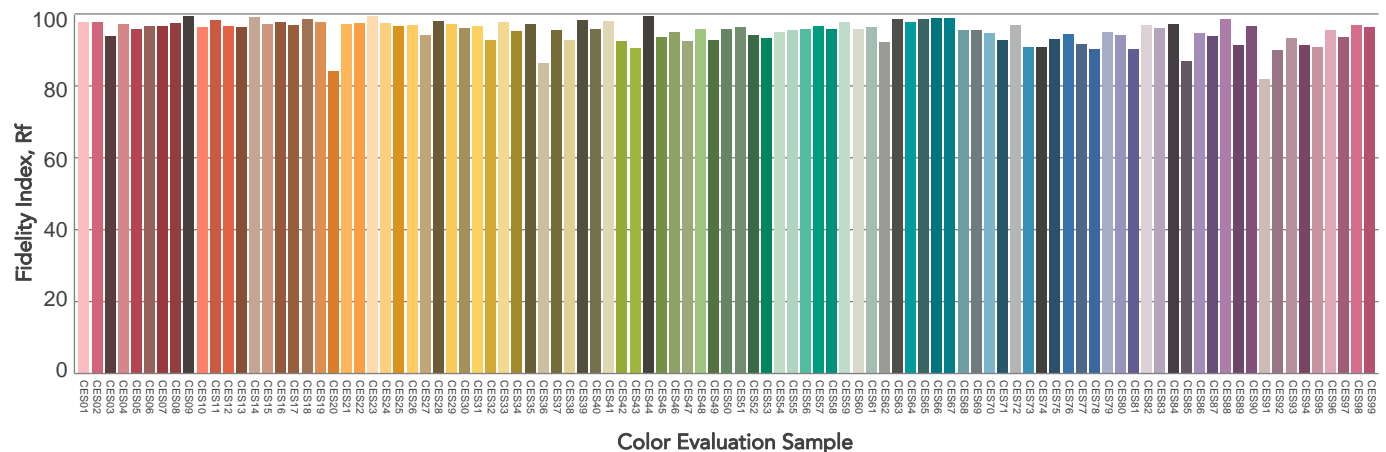
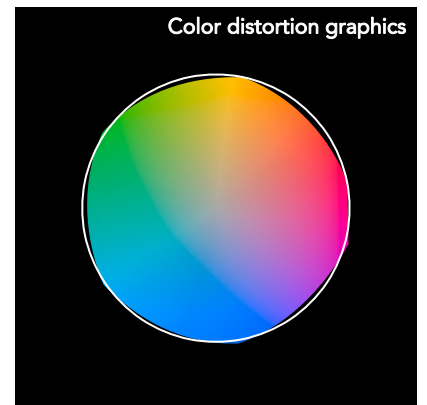
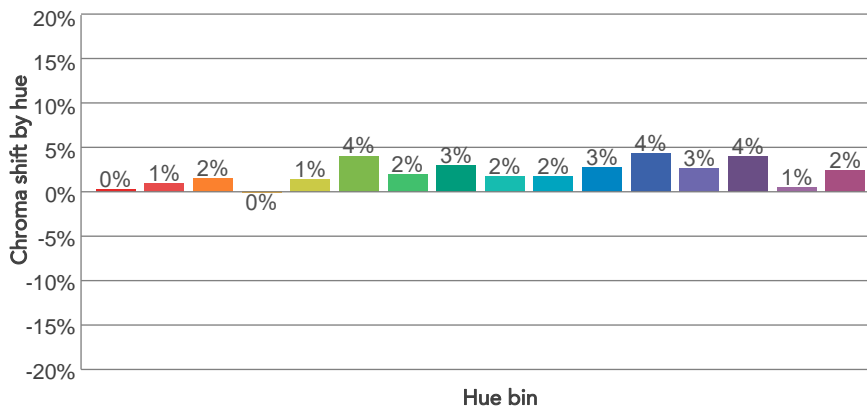
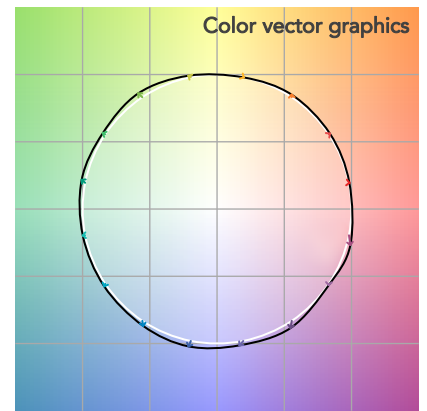
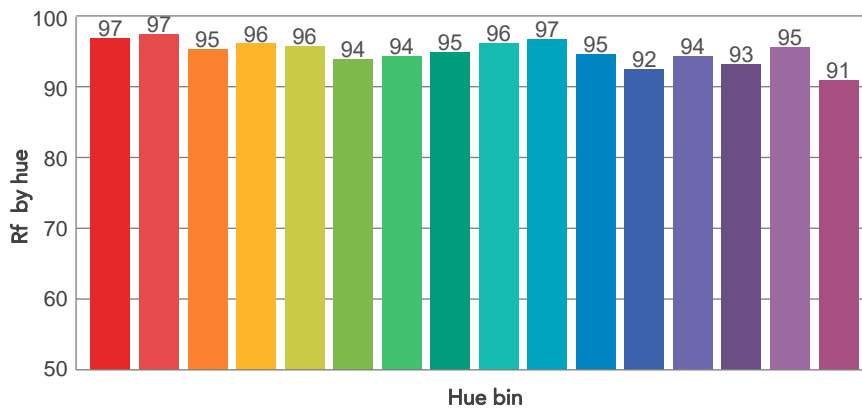
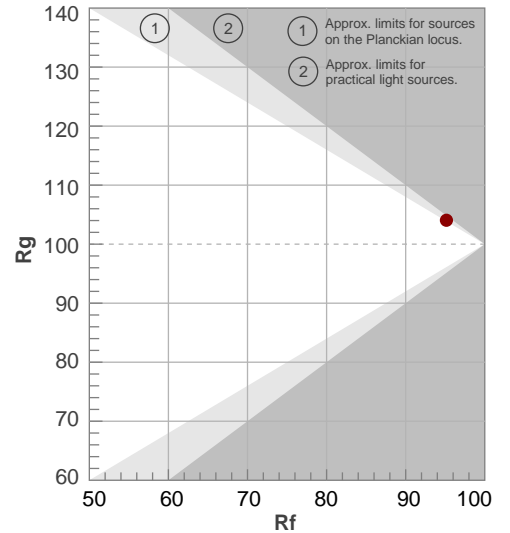
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2743 K	96,0	96,5	95,2	104,0	94,7	97	0,450	0,398	-0,0039

TM30 DETAILS

Rf 95,2
Fidelity index Rf

Rg 104,0
Gammut index

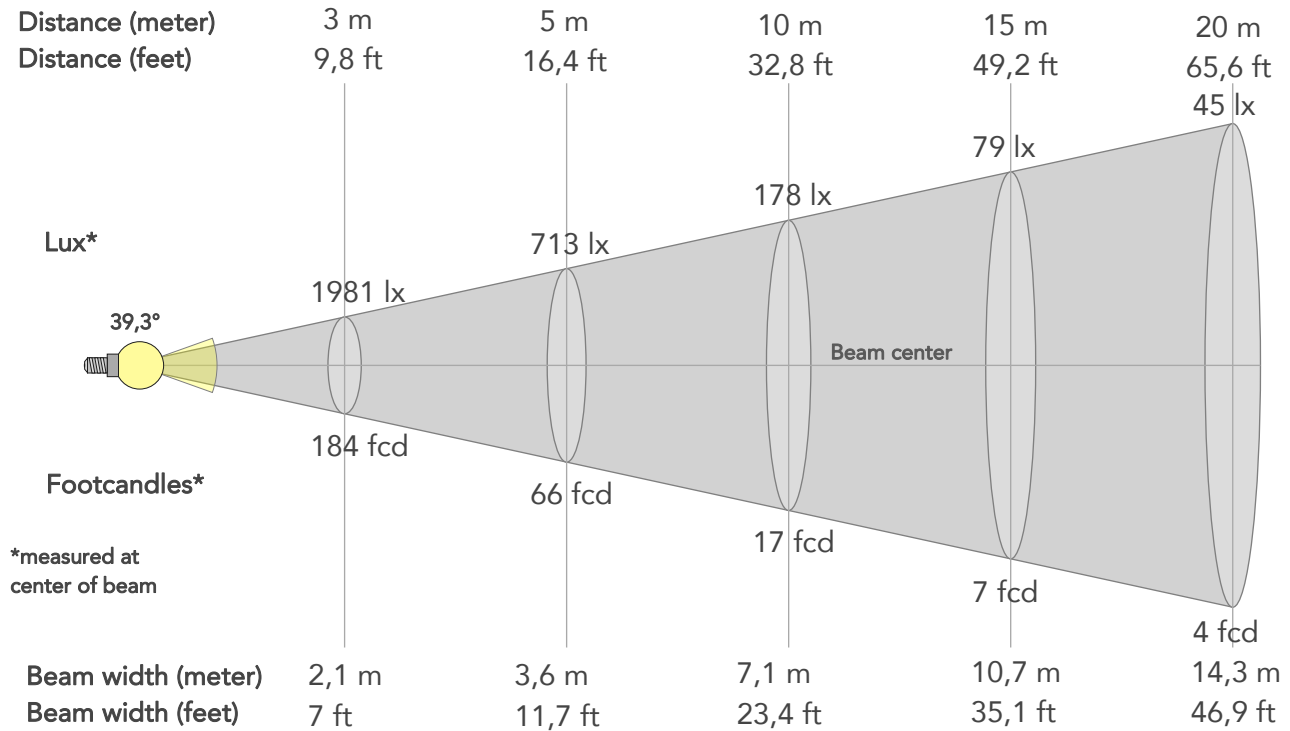
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	0%	0%
2	97	1%	0%
3	95	2%	1%
4	96	0%	0%
5	96	1%	2%
6	94	4%	1%
7	94	2%	0%
8	95	3%	-2%
9	96	2%	0%
10	97	2%	1%
11	95	3%	3%
12	92	4%	-1%
13	94	3%	-3%
14	93	4%	-4%
15	95	1%	-1%
16	91	2%	-7%



BEAM DETAILS



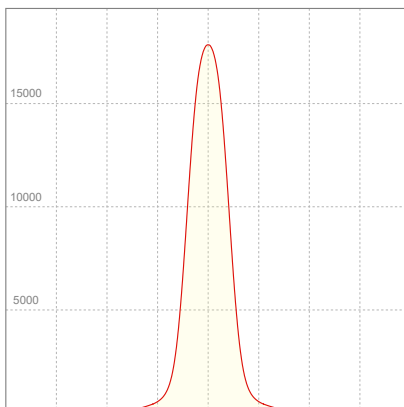
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,3°	65,1°	97,8°	96,7%	91,3%



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	17826lx	4457lx	1981lx	1114lx	713lx	317lx	178lx	79lx	45lx	29lx	20lx	11lx	7lx
Footcand.	1656fcd	414fcd	184fcd	104fcd	66fcd	29fcd	17fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,7m	1,4m	2,1m	2,9m	3,6m	5,4m	7,1m	10,7m	14,3m	17,9m	21,4m	28,6m	35,7m
Beam wid.	2,4ft	4,7ft	7ft	9,4ft	11,7ft	17,6ft	23,4ft	35,1ft	46,9ft	58,6ft	70,3ft	93,7ft	117,1ft

LINEAR DISTRIBUTION DIAGRAM

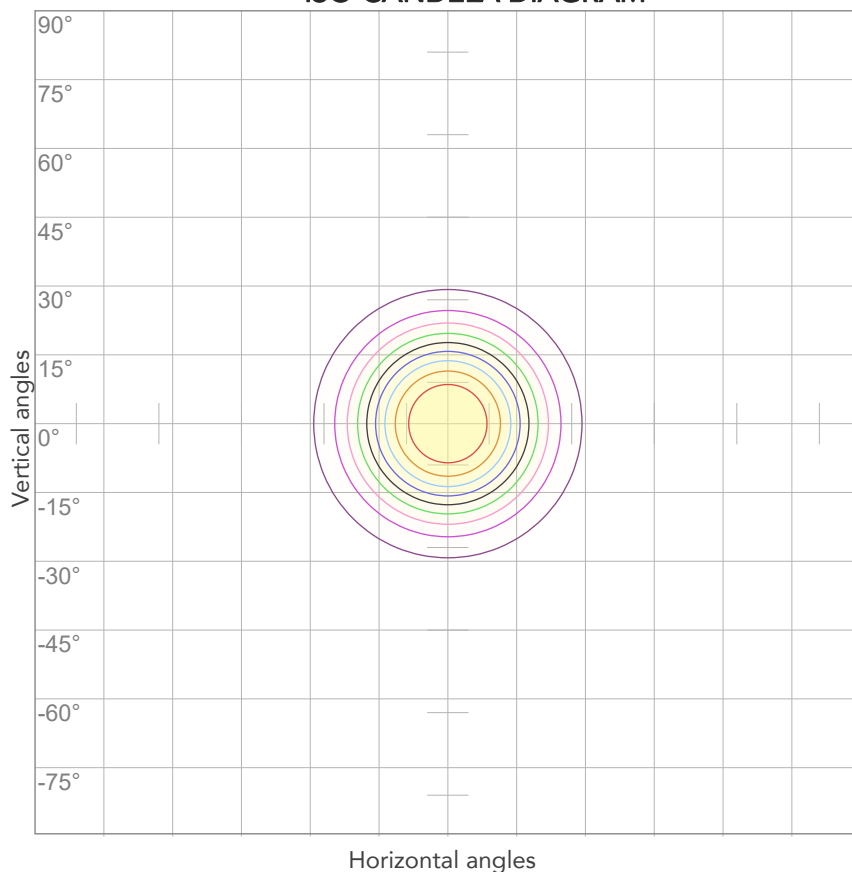


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,744A	161,3W	0,96	57lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



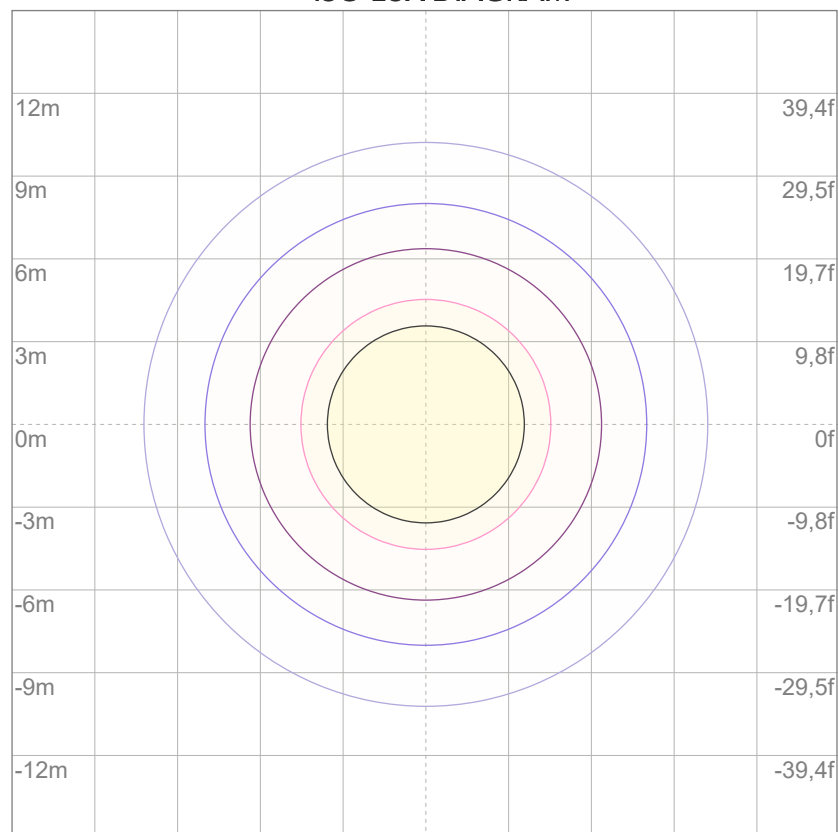
10%	1783 cd
20%	3565 cd
30%	5348 cd
40%	7130 cd
50%	8913 cd
60%	10696 cd
70%	12478 cd
80%	14261 cd

Conditions:

Number of c-planes: 2

Candela at center: 17826 cd

ISO LUX DIAGRAM



3%	5,35 lx
5%	8,91 lx
10%	17,8 lx
30%	53,5 lx
50%	89,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 178 lx

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



Total lumen output:

8448 lm

Peak candela output:

8962 cd

Light quality:

CRI: 95,9

Color temperature:

2748 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

60°

Target:

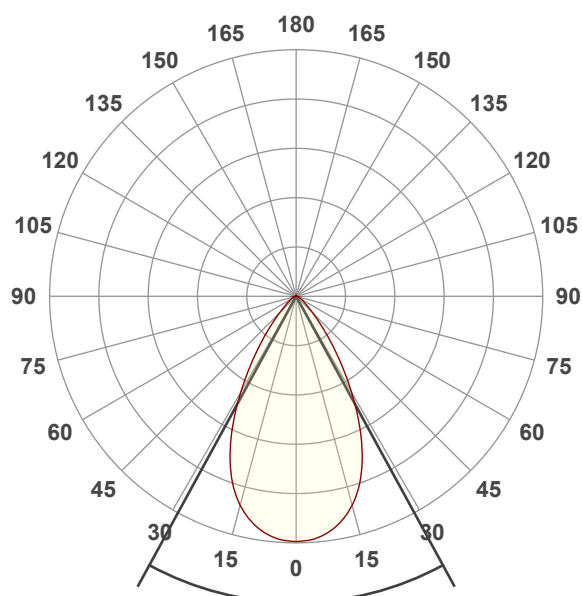
Warm White

Operator:

Salvatore Giglio

Date and time:

22/01/2024 17:18:42

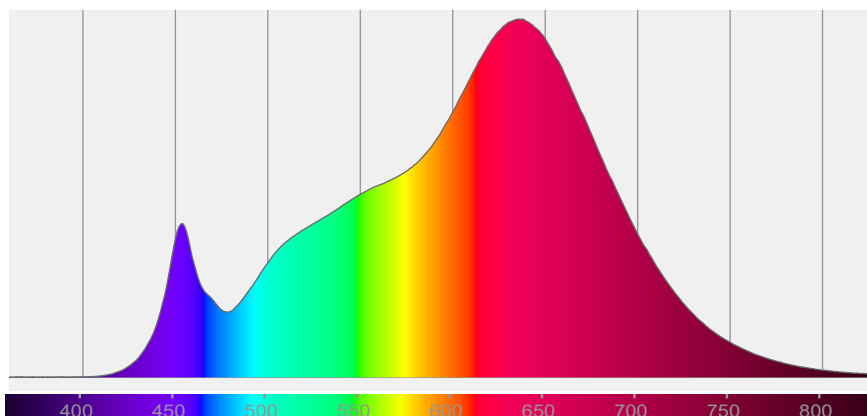


Beam angle 50%: 57,3°

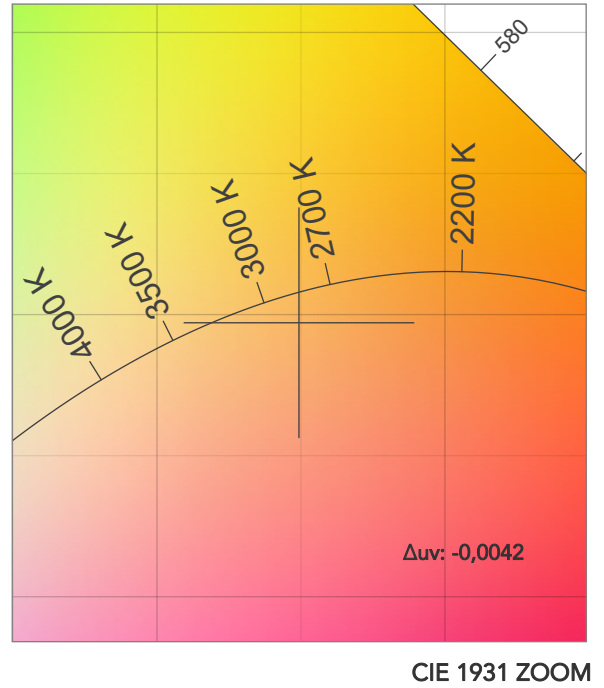
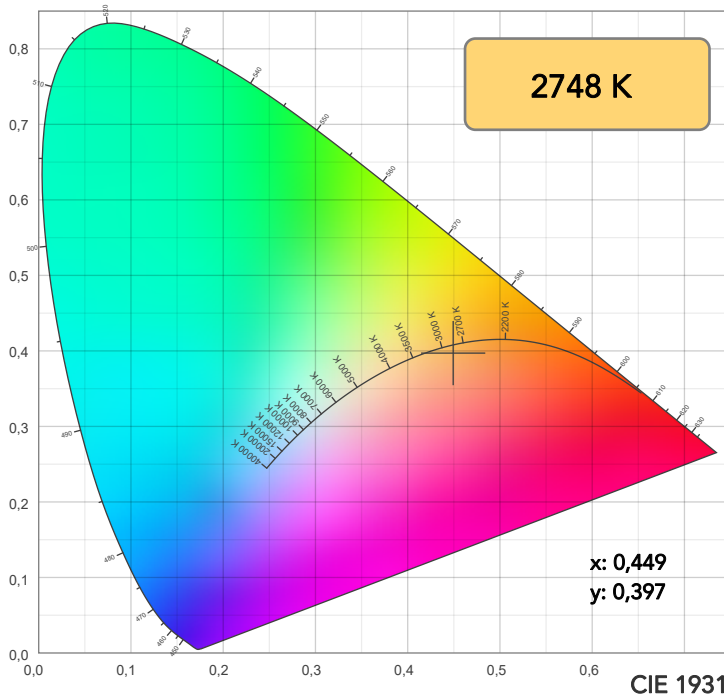
Field angle 10%: 89,5°

Cut off angle 2.5%: 119,6°

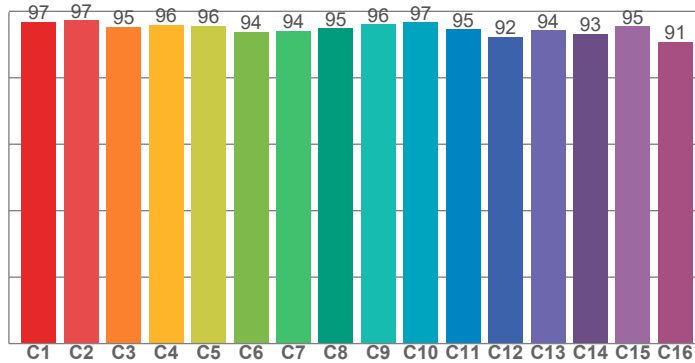
Spectra



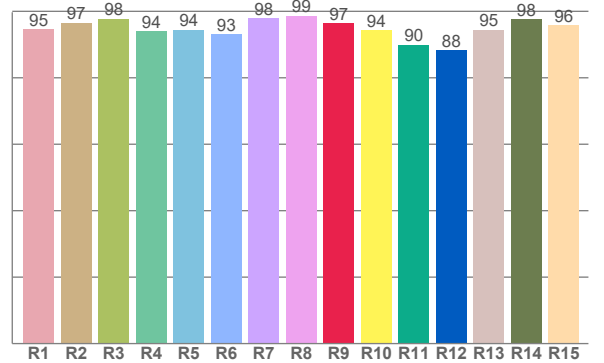
COLOR DETAILS



TM30: 95,1



CRI: 95,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,6	96,6	97,8	94,1	94,4	93,1	98,0	98,7	96,5	94,4	89,9	88,4	94,5	97,6	95,8

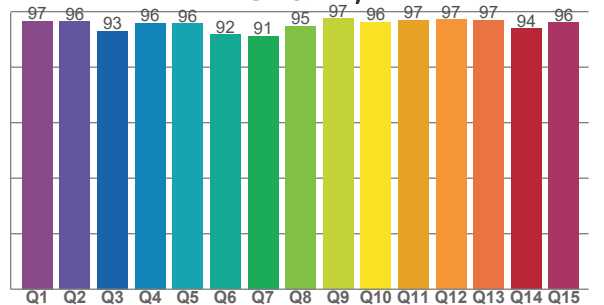
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 94,7



COLOR PARAMETERS

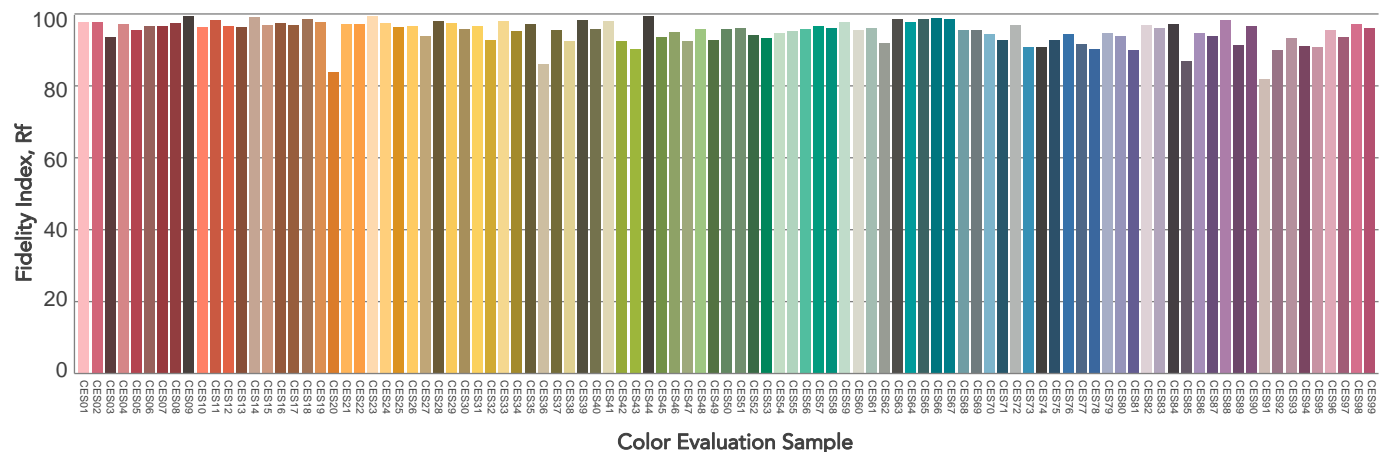
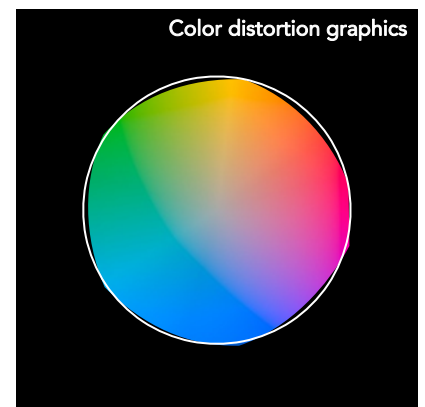
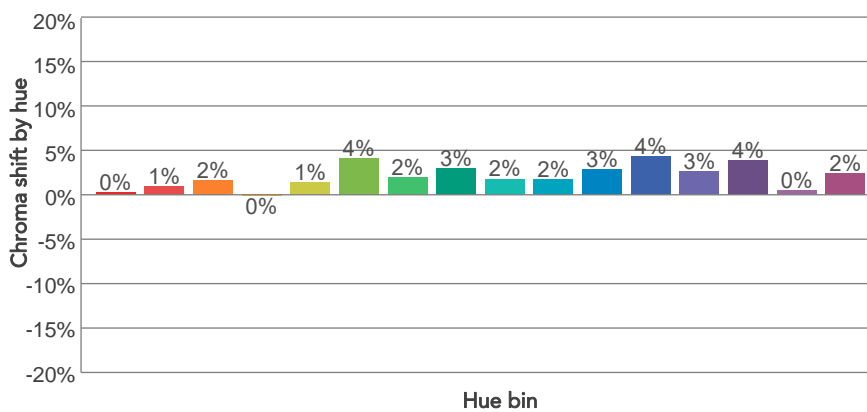
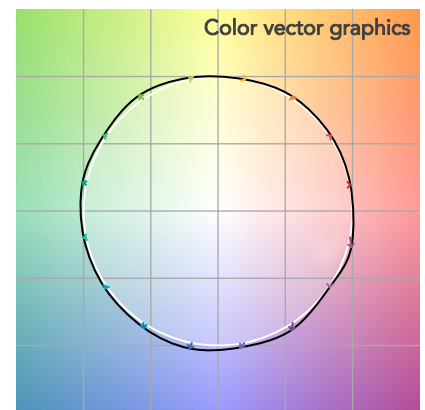
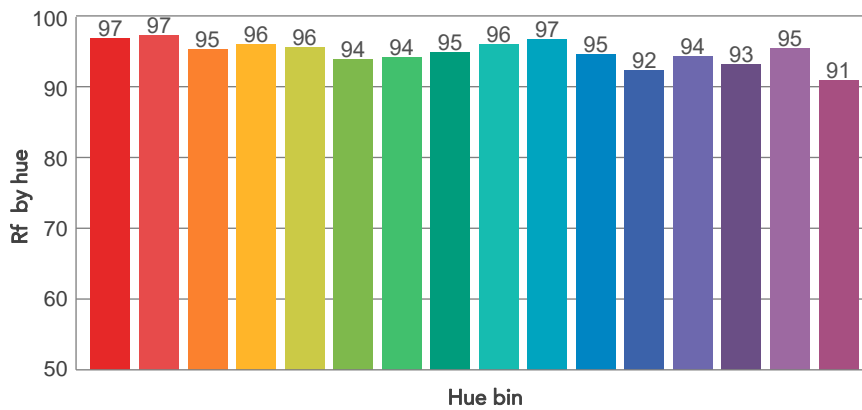
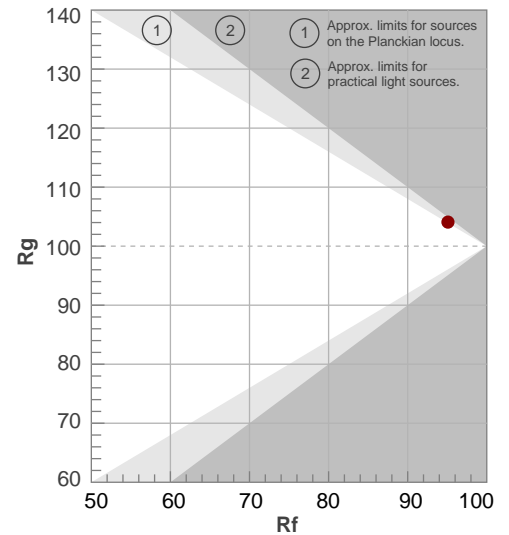
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2748 K	95,9	96,5	95,1	104,1	94,7	97	0,449	0,397	-0,0042

TM30 DETAILS

Rf 95,1
Fidelity index Rf

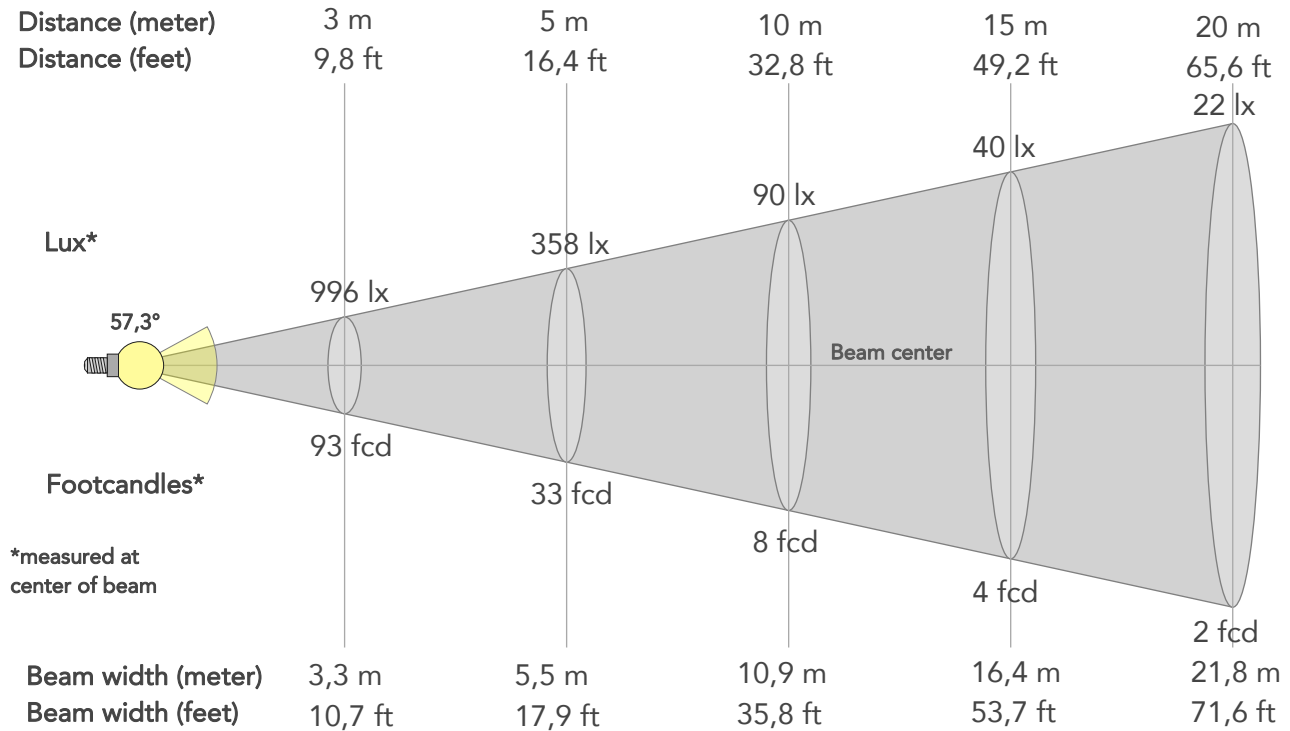
Rg 104,1
Gammut index

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



BEAM DETAILS

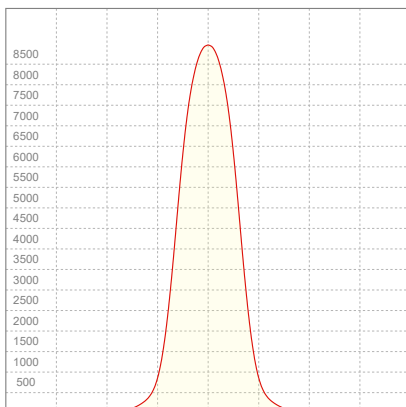
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,3°	89,5°	119,6°	97,3%	90,6%



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	8962lx	2240lx	996lx	560lx	358lx	159lx	90lx	40lx	22lx	14lx	10lx	6lx	4lx
Footcand.	833fcd	208fcd	93fcd	52fcd	33fcd	15fcd	8fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,2m	10,9m	16,4m	21,8m	27,3m	32,8m	43,7m	54,6m
Beam wid.	3,6ft	7,2ft	10,7ft	14,3ft	17,9ft	26,9ft	35,8ft	53,7ft	71,6ft	89,5ft	107,4ft	143,2ft	179,1ft

LINEAR DISTRIBUTION DIAGRAM

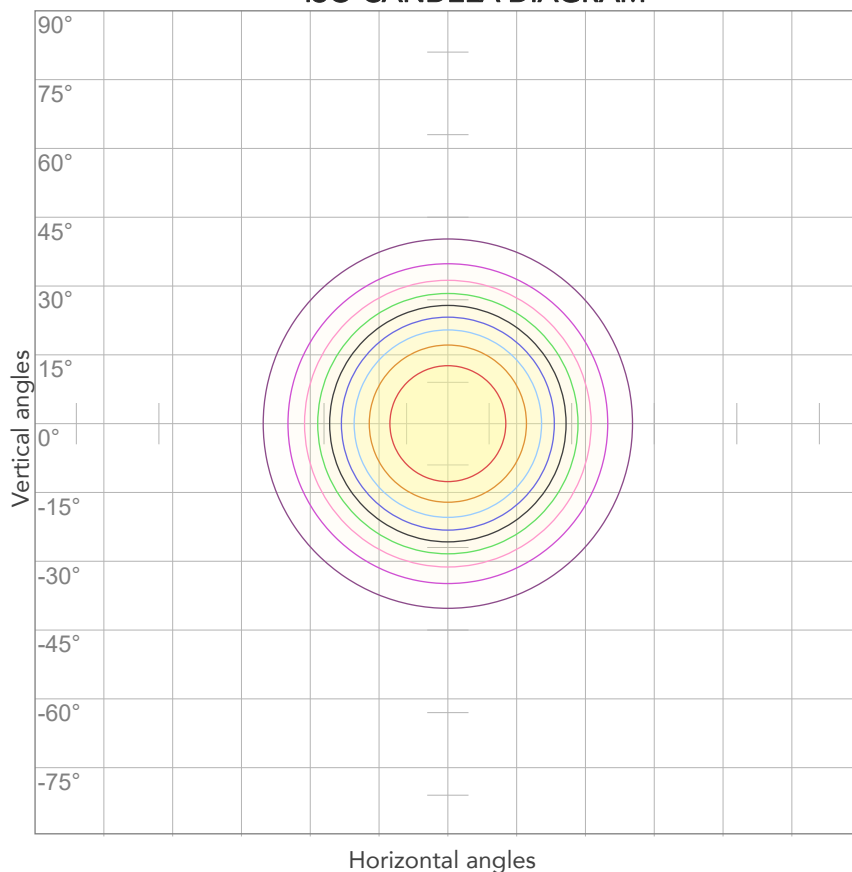


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,749A	160,4W	0,96	53lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



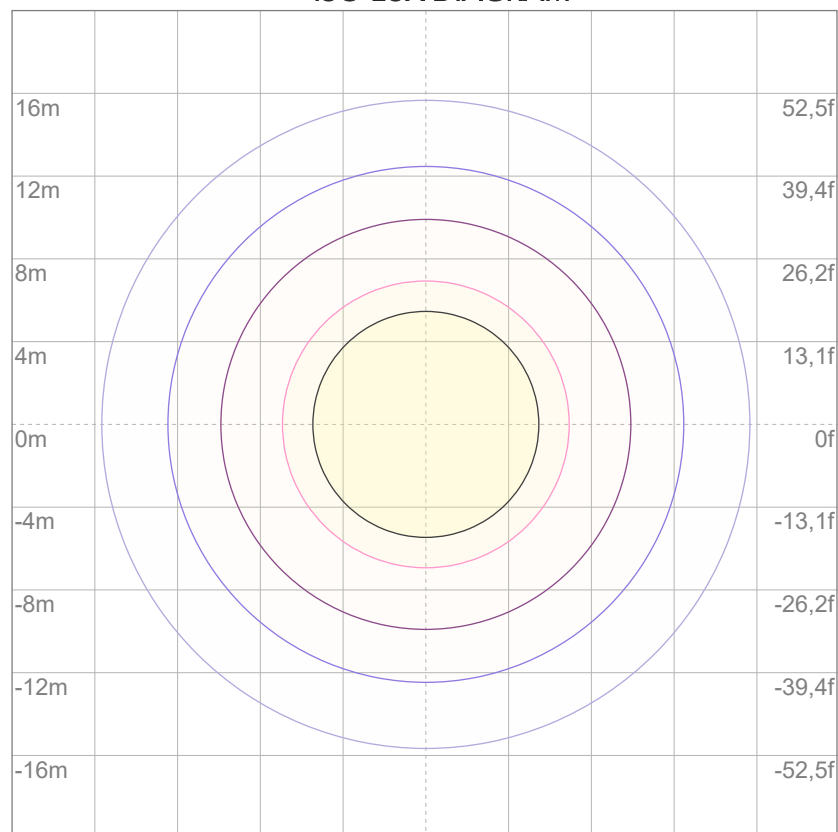
10%	896 cd
20%	1792 cd
30%	2689 cd
40%	3585 cd
50%	4481 cd
60%	5377 cd
70%	6273 cd
80%	7169 cd

Conditions:

Number of c-planes: 2

Candela at center: 8962 cd

ISO LUX DIAGRAM



3%	2,69 lx
5%	4,48 lx
10%	8,96 lx
30%	26,9 lx
50%	44,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 89,6 lx

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



Total lumen output:

12752 lm

Peak candela output:

64280 cd

Light quality:

CRI: 96,3

Color temperature:

6522 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

20°

Target:

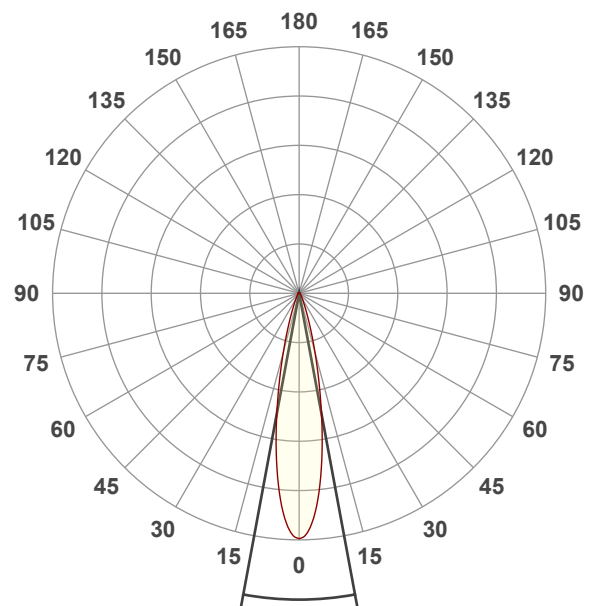
Cold White

Operator:

Salvatore Giglio

Date and time:

22/01/2024 15:47:23

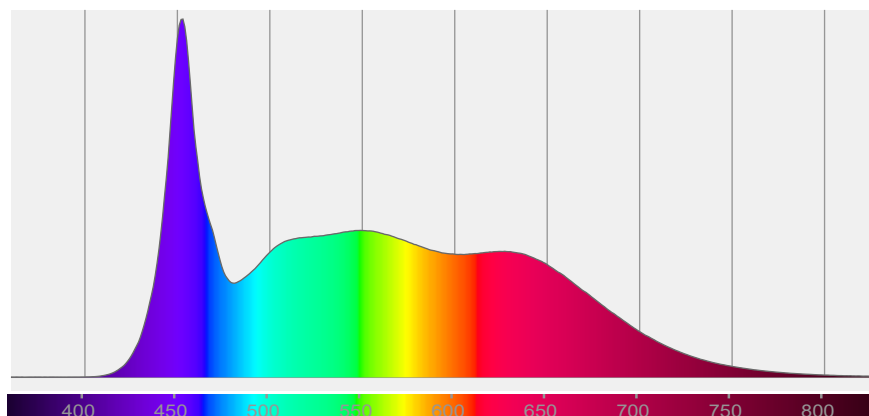


Beam angle 50%: 21°

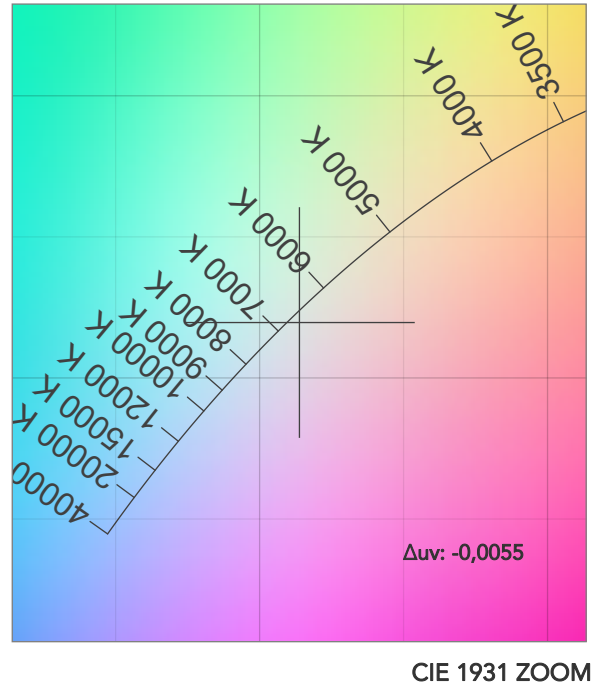
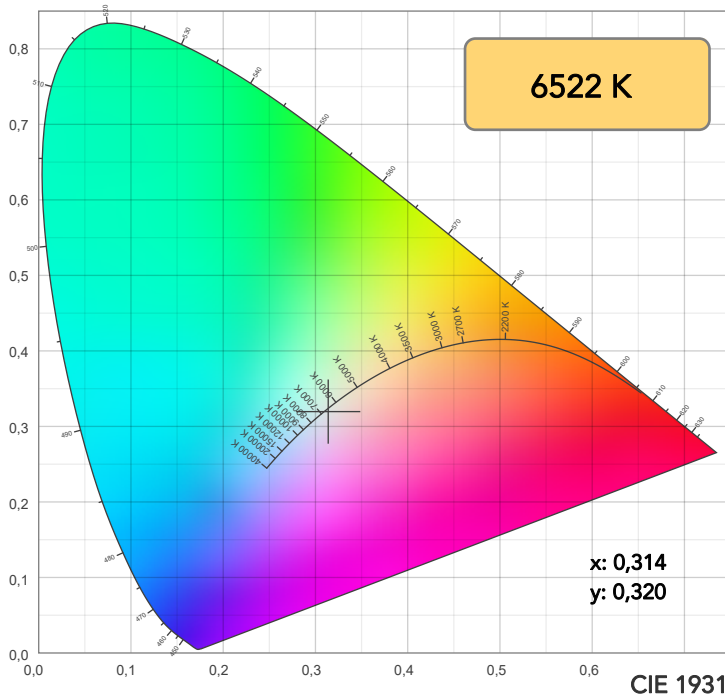
Field angle 10%: 40,2°

Cut off angle 2.5%: 61,5°

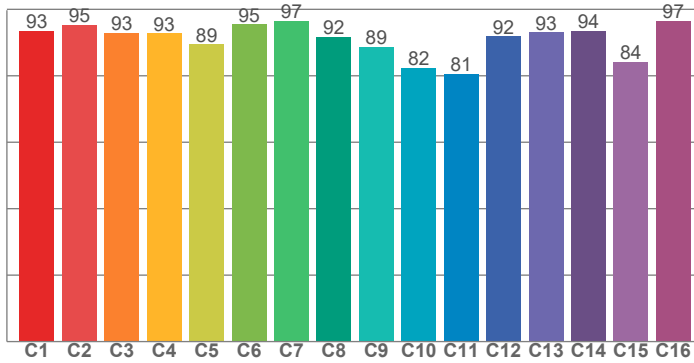
Spectra



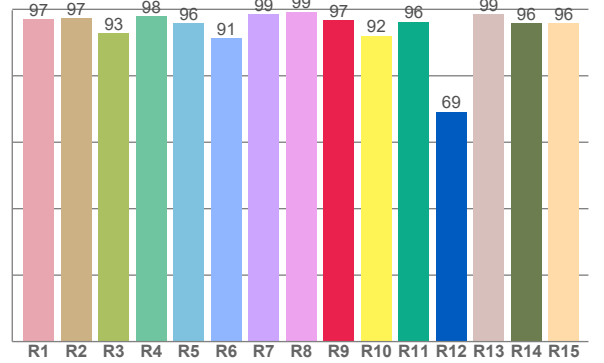
COLOR DETAILS



TM30: 90,9



CRI: 96,3 (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
97,0	97,3	92,8	97,9	95,8	91,4	98,5	99,3	96,7	92,1	96,2	69,2	98,6	95,8	95,8

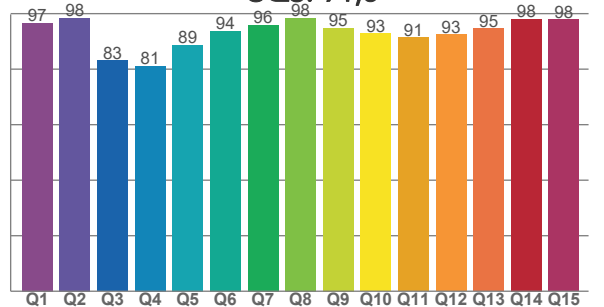
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,5	95,3	92,8	92,7	89,4	95,4	96,6	91,7	88,7	82,3	80,6	91,8	93,1	93,6	84,2	96,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,6	98,5	83,1	81,1	88,6	93,7	95,9	98,4	94,8	92,8	91,3	92,5	94,6	98,1	97,9

CQS: 91,5



COLOR PARAMETERS

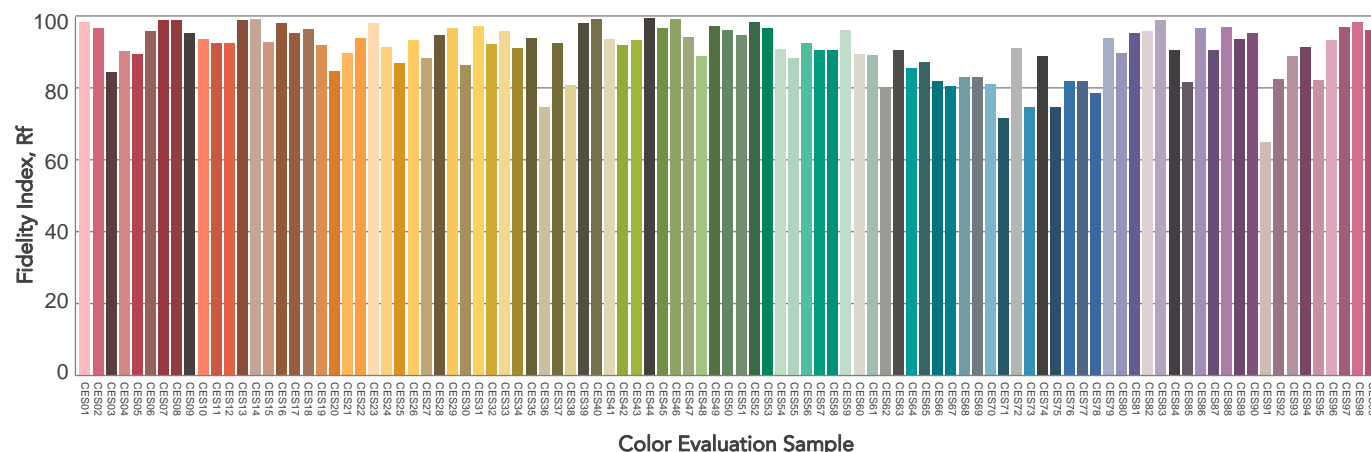
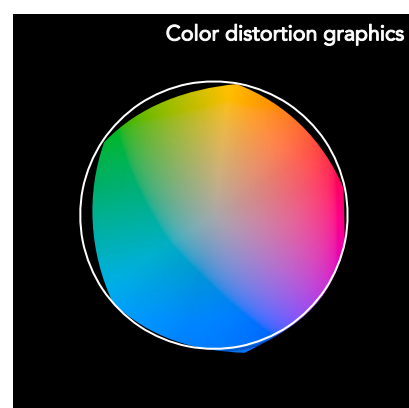
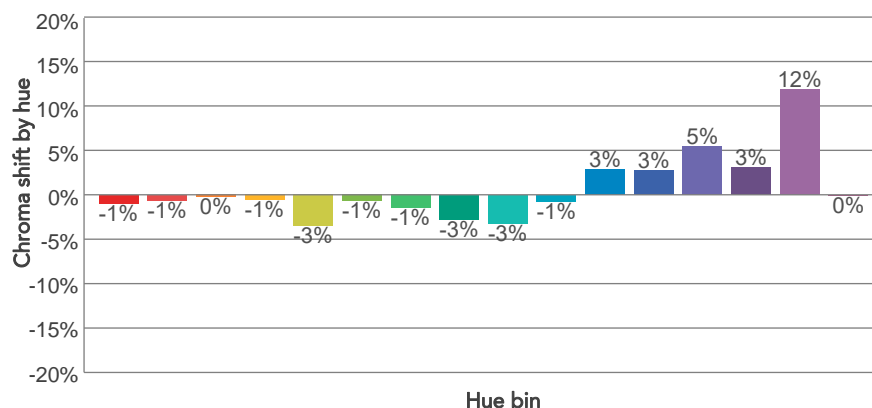
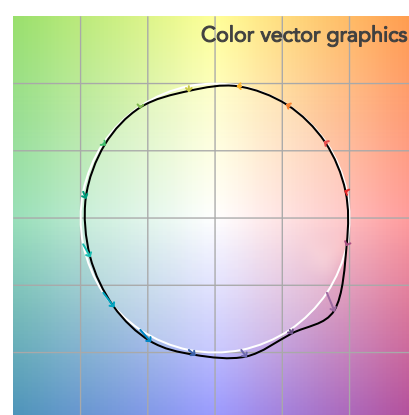
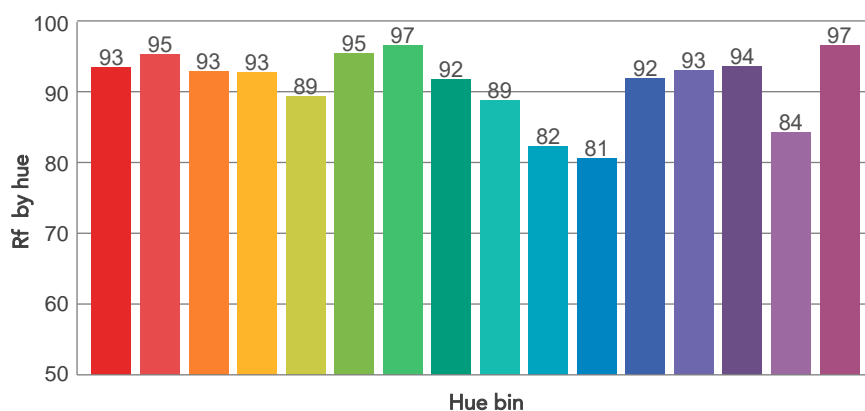
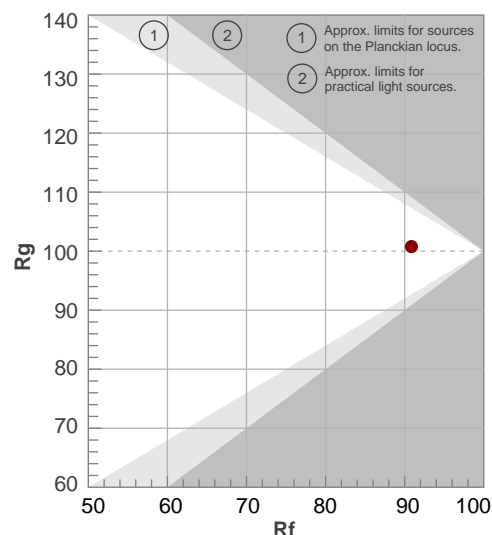
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6522 K	96,3	96,7	90,9	100,8	91,5	96	0,314	0,320	-0,0055

TM30 DETAILS

Rf 90,9
Fidelity index Rf

Rg 100,8
Gammut index

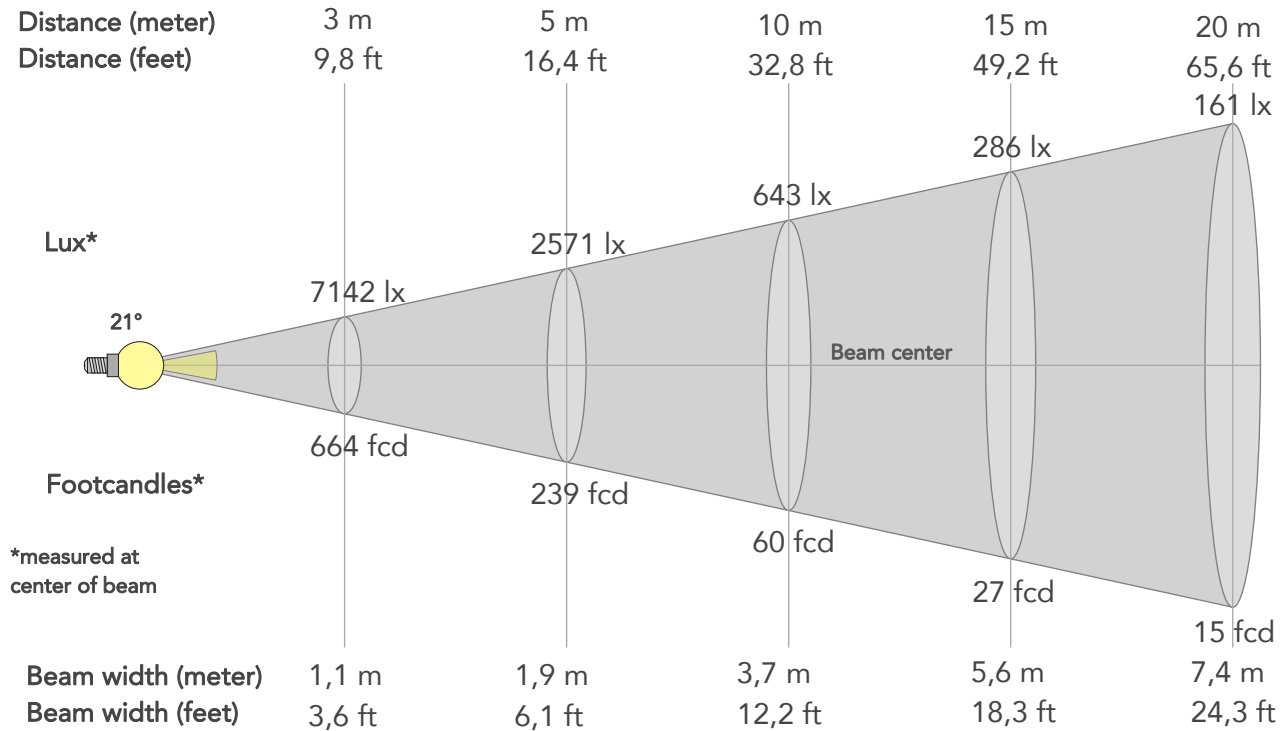
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-1%	1%
2	95	-1%	2%
3	93	0%	2%
4	93	-1%	2%
5	89	-3%	1%
6	95	-1%	1%
7	97	-1%	0%
8	92	-3%	4%
9	89	-3%	10%
10	82	-1%	13%
11	81	3%	11%
12	92	3%	5%
13	93	5%	3%
14	94	3%	0%
15	84	12%	-8%
16	97	0%	0%



BEAM DETAILS



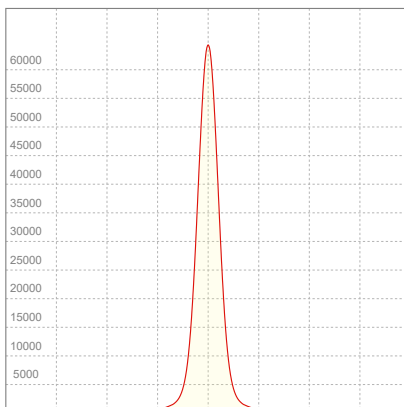
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21°	40,2°	61,5°	96,7%	91,5%



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	64280lx	16070lx	7142lx	4018lx	2571lx	1143lx	643lx	286lx	161lx	103lx	71lx	40lx	26lx
Footcand.	5972fcd	1493fcd	664fcd	373fcd	239fcd	106fcd	60fcd	27fcd	15fcd	10fcd	7fcd	4fcd	2fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,9m	2,8m	3,7m	5,6m	7,4m	9,3m	11,1m	14,8m	18,5m
Beam wid.	1,2ft	2,4ft	3,6ft	4,9ft	6,1ft	9,1ft	12,2ft	18,3ft	24,3ft	30,4ft	36,5ft	48,7ft	60,8ft

LINEAR DISTRIBUTION DIAGRAM

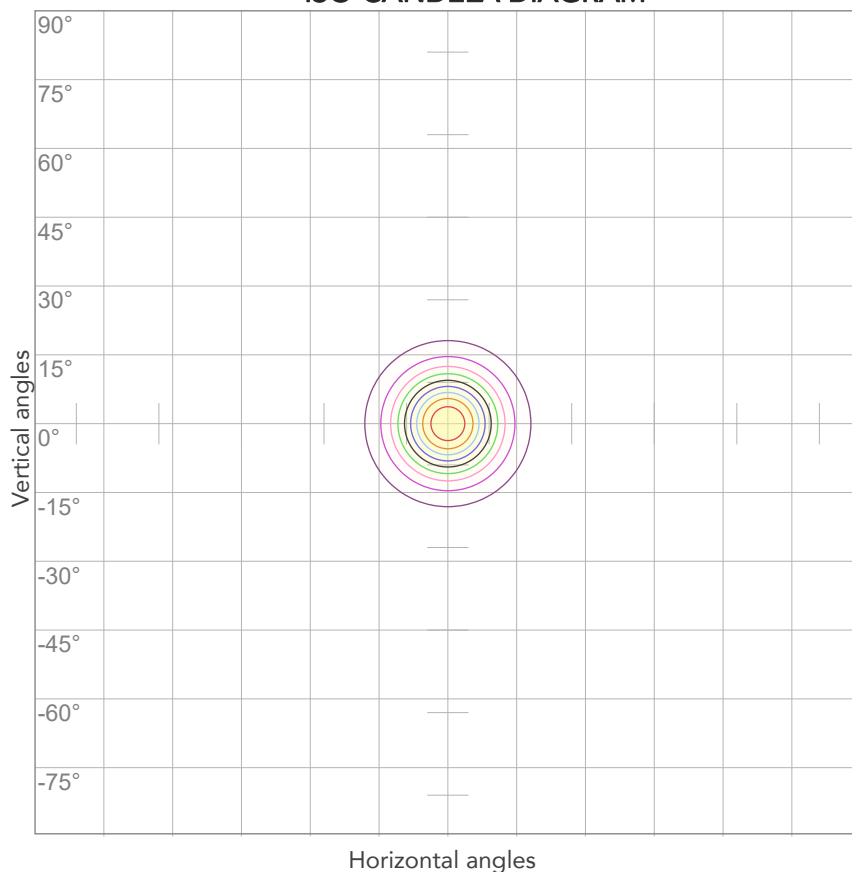


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,751A	163W	0,96	78lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



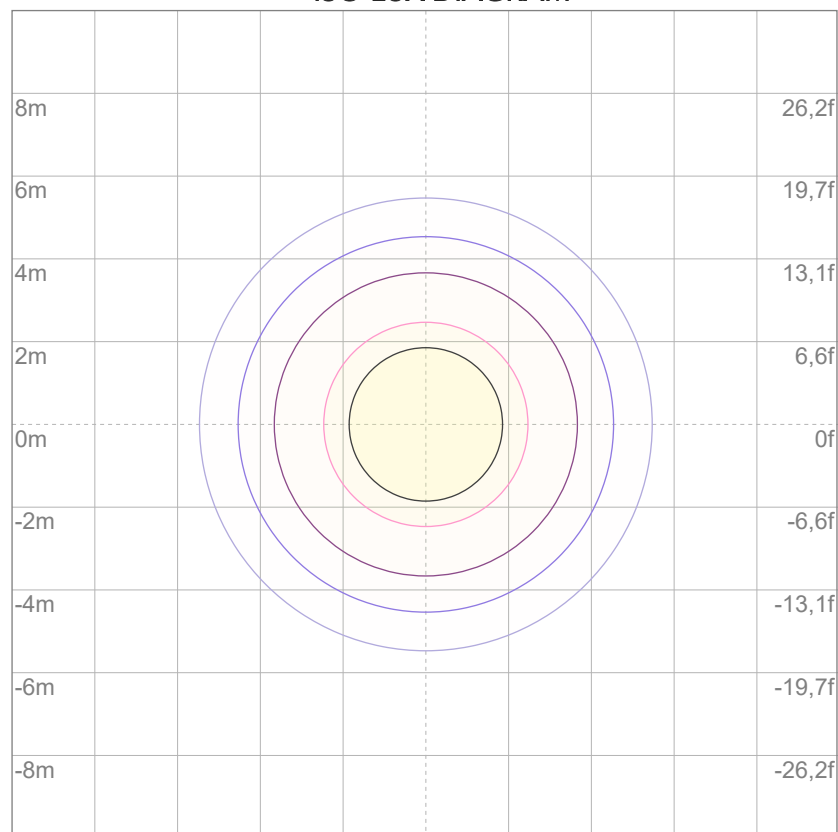
10%	6428 cd
20%	12856 cd
30%	19284 cd
40%	25712 cd
50%	32140 cd
60%	38568 cd
70%	44996 cd
80%	51424 cd

Conditions:

Number of c-planes: 2

Candela at center: 64280 cd

ISO LUX DIAGRAM



3%	19,3 lx
5%	32,1 lx
10%	64,3 lx
30%	193 lx
50%	321 lx

Conditions:

Number of c-planes: 2

Lux at center: 643 lx

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



Total lumen output:

12269 lm

Peak candela output:

23607 cd

Light quality:

CRI: 96,3

Color temperature:

6624 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

40°

Target:

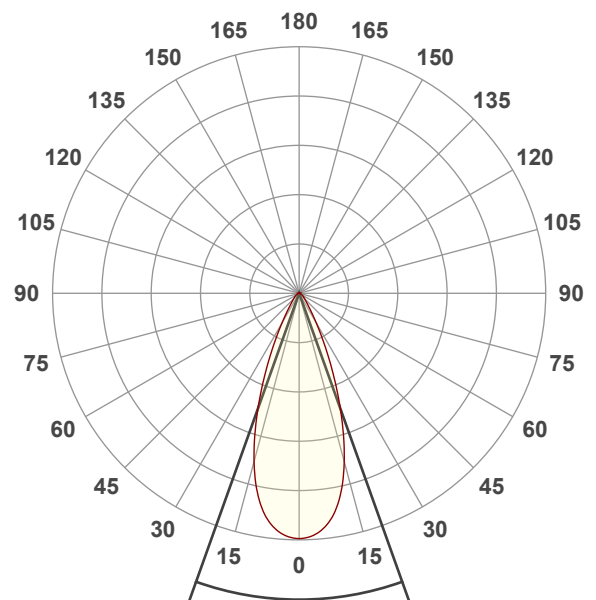
Cold White

Operator:

Salvatore Giglio

Date and time:

22/01/2024 16:28:20

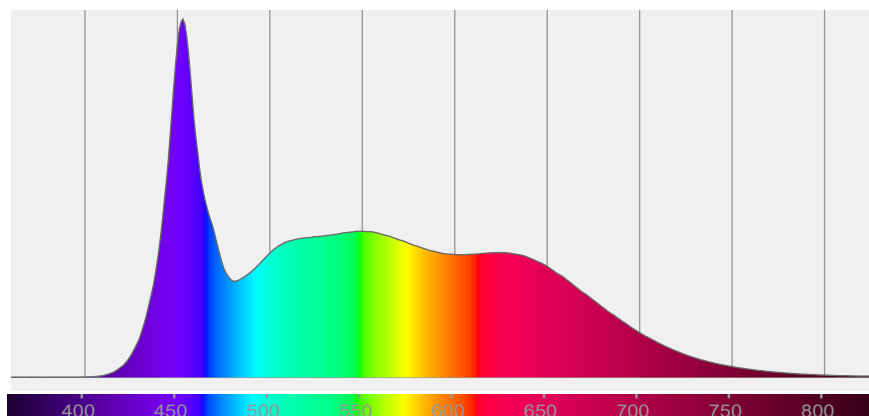


Beam angle 50%: 39,3°

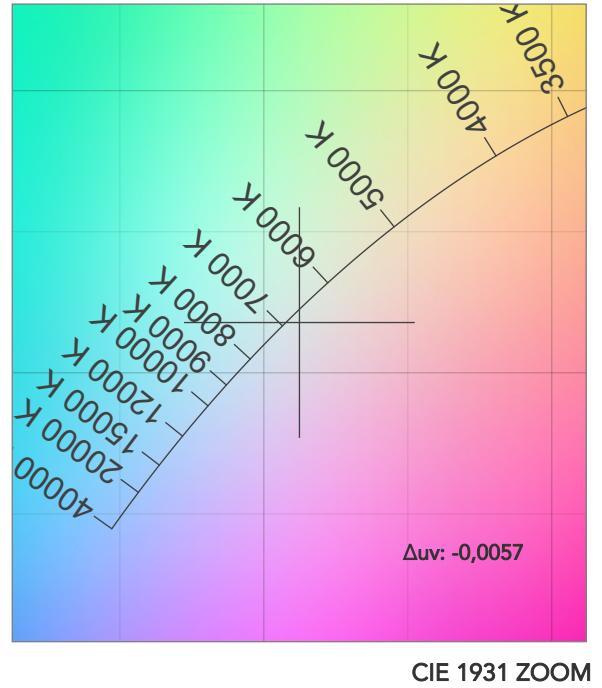
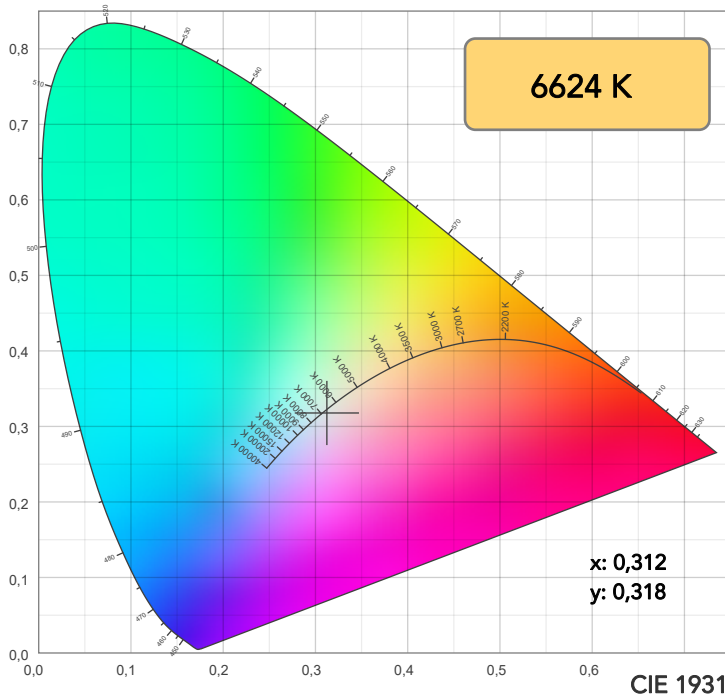
Field angle 10%: 65,1°

Cut off angle 2.5%: 98°

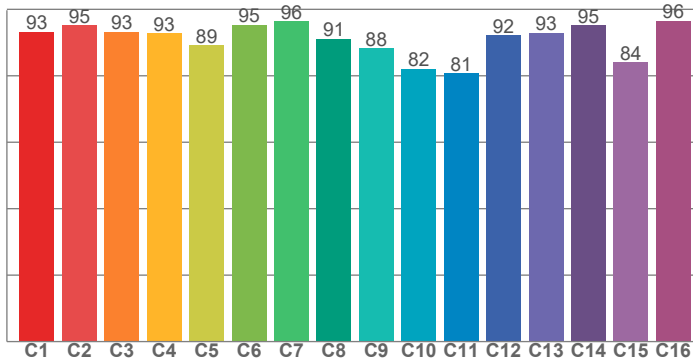
Spectra



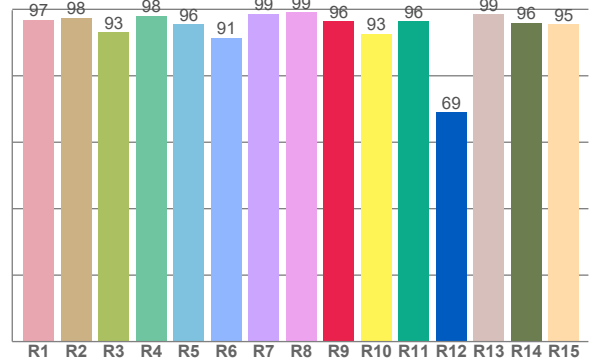
COLOR DETAILS



TM30: 90,7



CRI: 96,3 (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
96,8	97,5	93,0	98,0	95,6	91,4	98,7	99,1	96,3	92,6	96,5	69,1	98,5	95,9	95,4

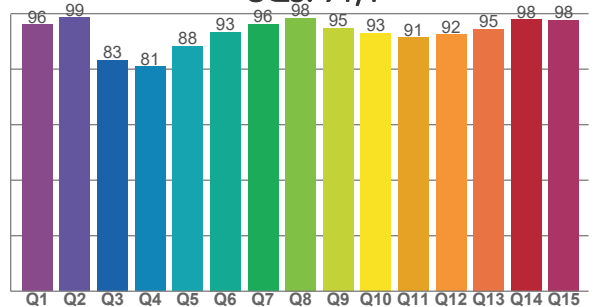
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,2	95,2	93,2	92,8	89,2	95,3	96,4	91,2	88,3	82,0	80,8	92,2	92,9	95,2	84,1	96,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,1	98,6	83,3	80,9	88,2	93,4	96,2	98,4	94,8	93,0	91,3	92,5	94,5	97,9	97,6

CQS: 91,4



COLOR PARAMETERS

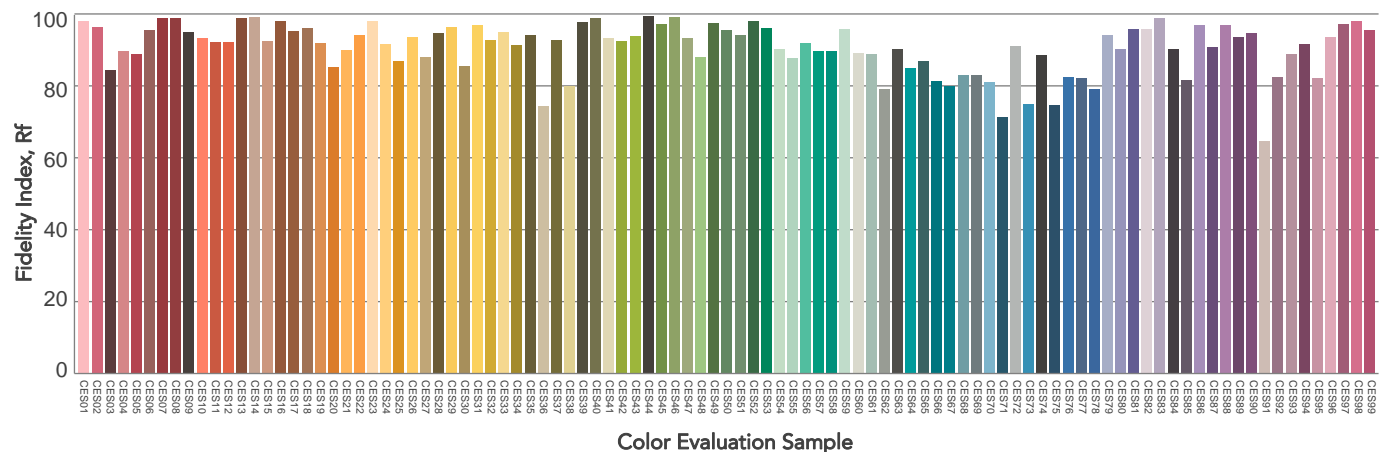
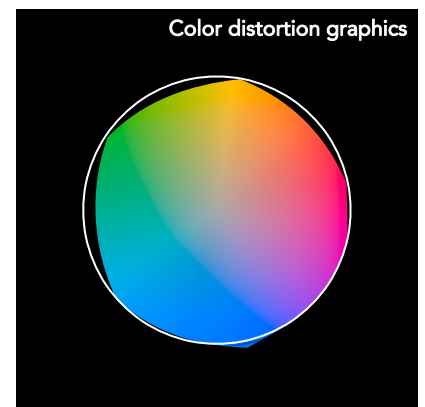
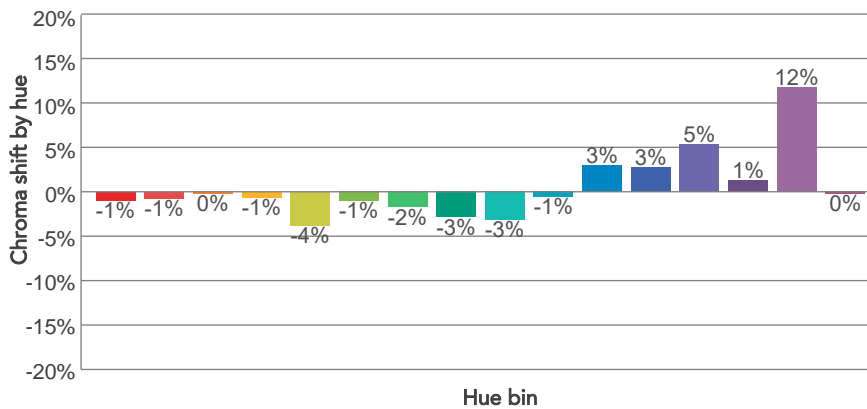
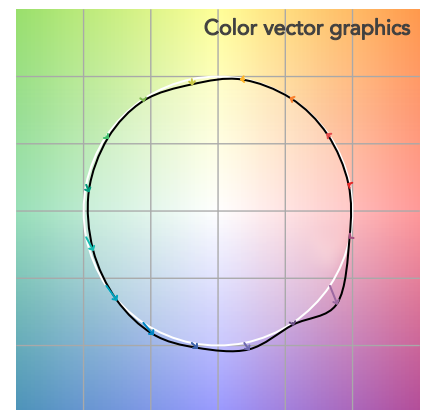
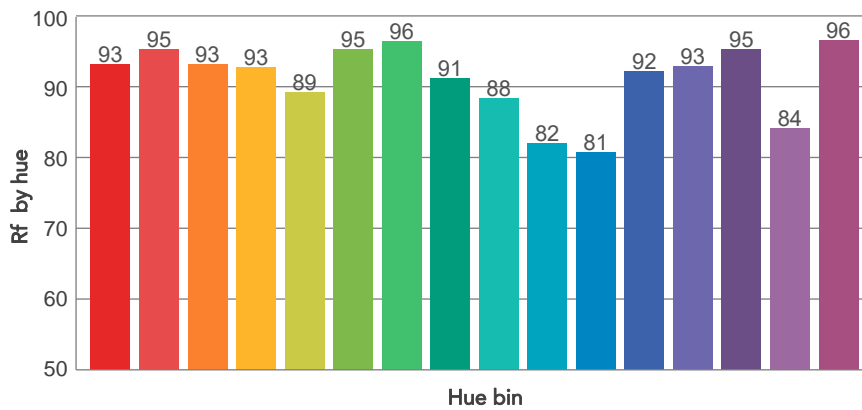
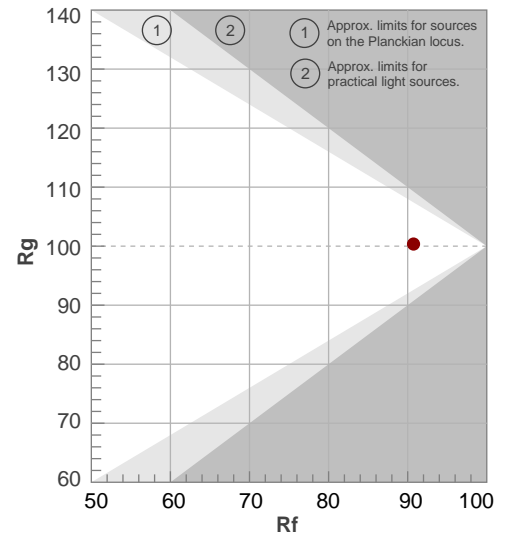
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6624 K	96,3	96,3	90,7	100,4	91,4	96	0,312	0,318	-0,0057

TM30 DETAILS

Rf 90,7
Fidelity index Rf

Rg 100,4
Gammut index

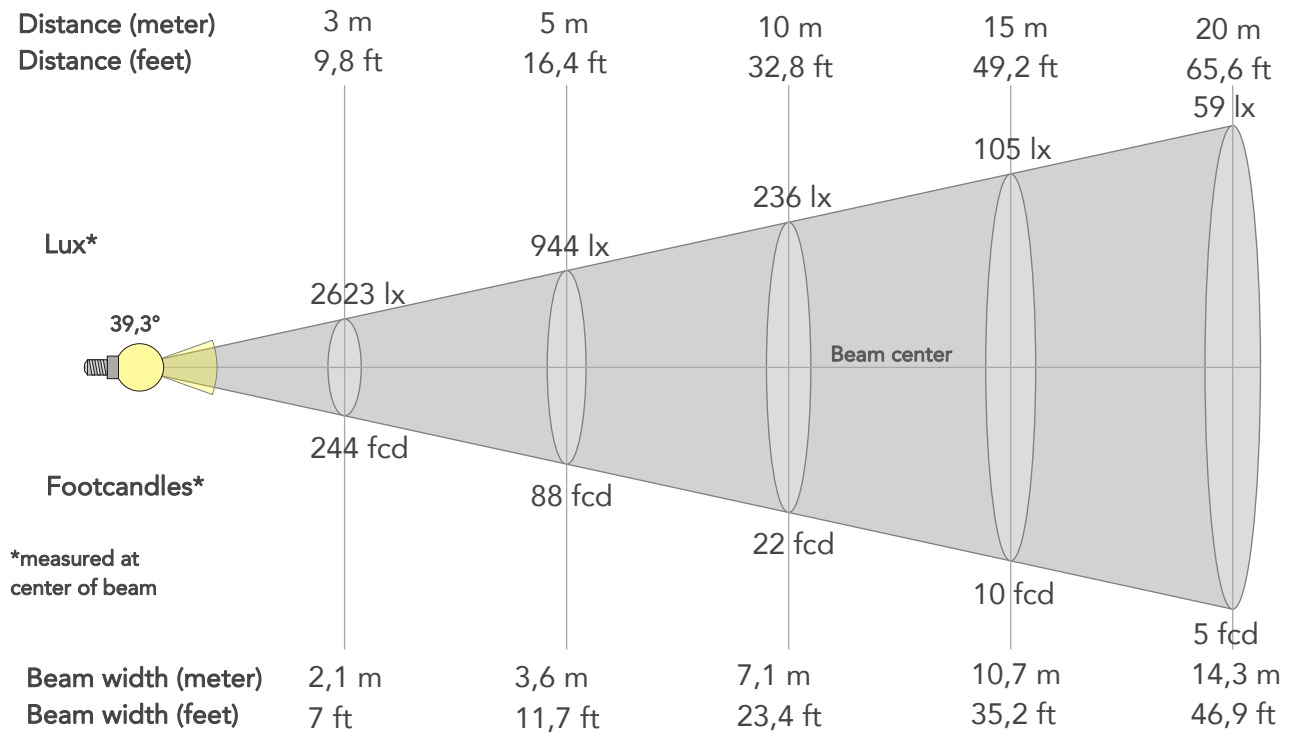
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-1%	1%
2	95	-1%	2%
3	93	0%	2%
4	93	-1%	2%
5	89	-4%	0%
6	95	-1%	0%
7	96	-2%	0%
8	91	-3%	4%
9	88	-3%	10%
10	82	-1%	13%
11	81	3%	11%
12	92	3%	5%
13	93	5%	2%
14	95	1%	0%
15	84	12%	-8%
16	96	0%	0%



BEAM DETAILS



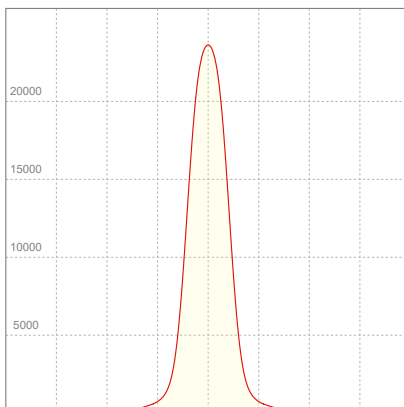
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,3°	65,1°	98°	96,7%	91,3%



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	23607lx	5902lx	2623lx	1475lx	944lx	420lx	236lx	105lx	59lx	38lx	26lx	15lx	9lx
Footcand.	2193fcd	548fcd	244fcd	137fcd	88fcd	39fcd	22fcd	10fcd	5fcd	4fcd	2fcd	1fcd	1fcd
Beam wid.	0,7m	1,4m	2,1m	2,9m	3,6m	5,4m	7,1m	10,7m	14,3m	17,9m	21,4m	28,6m	35,7m
Beam wid.	2,4ft	4,7ft	7ft	9,4ft	11,7ft	17,6ft	23,4ft	35,2ft	46,9ft	58,6ft	70,3ft	93,8ft	117,2ft

LINEAR DISTRIBUTION DIAGRAM

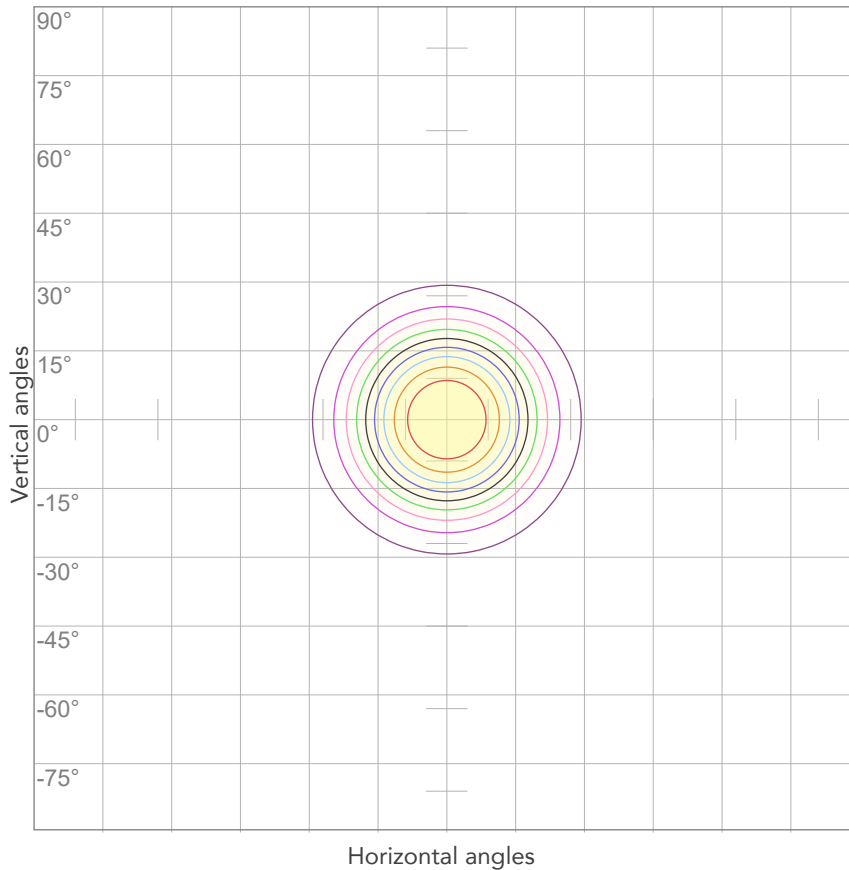


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,742A	161,2W	0,96	76lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



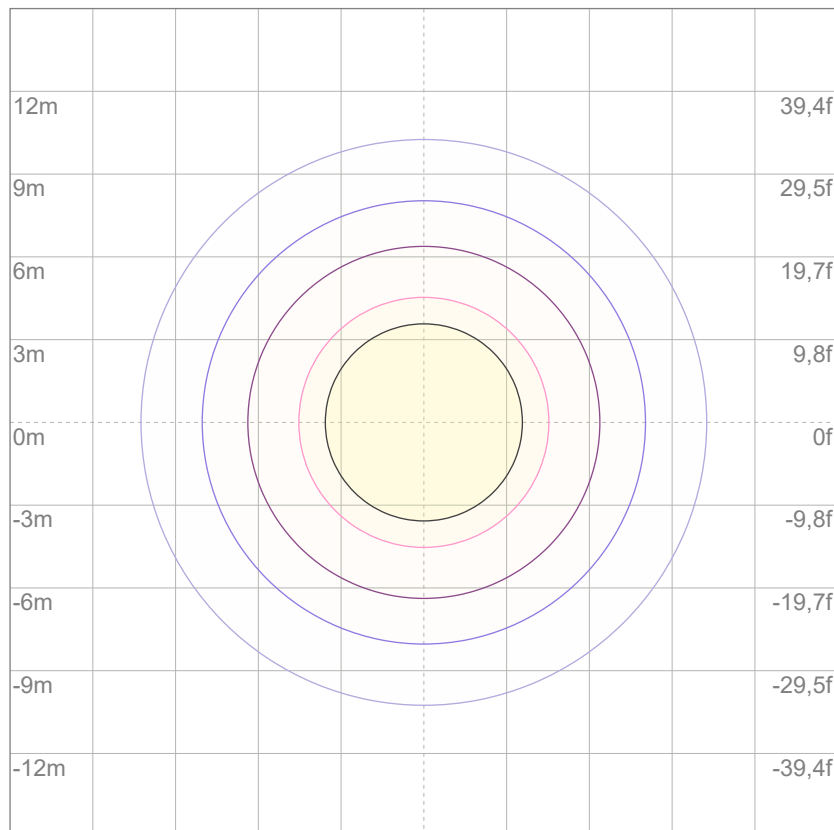
10%	2361 cd
20%	4721 cd
30%	7082 cd
40%	9443 cd
50%	11803 cd
60%	14164 cd
70%	16525 cd
80%	18885 cd

Conditions:

Number of c-planes: 2

Candela at center: 23607 cd

ISO LUX DIAGRAM



3%	7,08 lx
5%	11,8 lx
10%	23,6 lx
30%	70,8 lx
50%	118 lx

Conditions:

Number of c-planes: 2

Lux at center: 236 lx

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



Total lumen output:

11204 lm

Peak candela output:

11858 cd

Light quality:

CRI: 96,3

Color temperature:

6676 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

60°

Target:

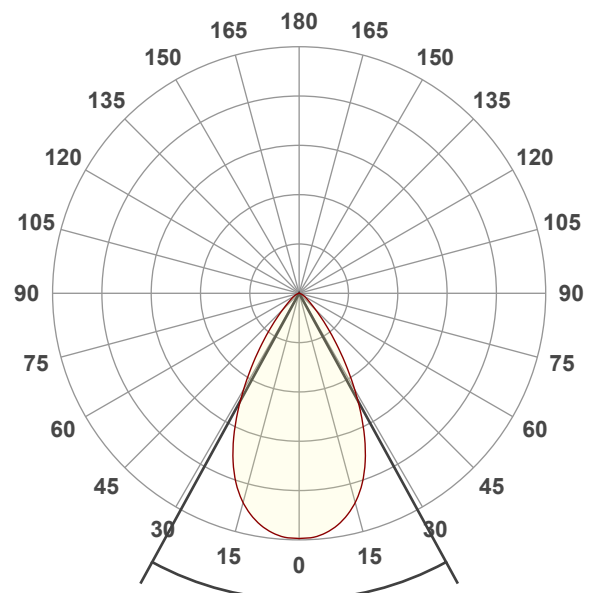
Cold White

Operator:

Salvatore Giglio

Date and time:

22/01/2024 17:20:06

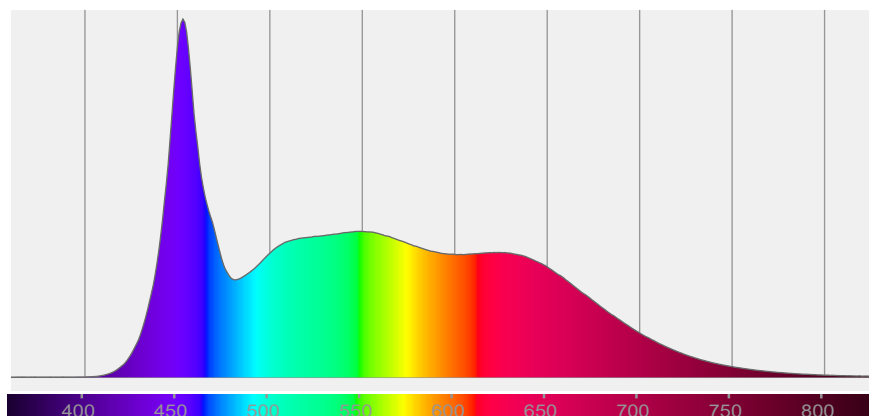


Beam angle 50%: 57,3°

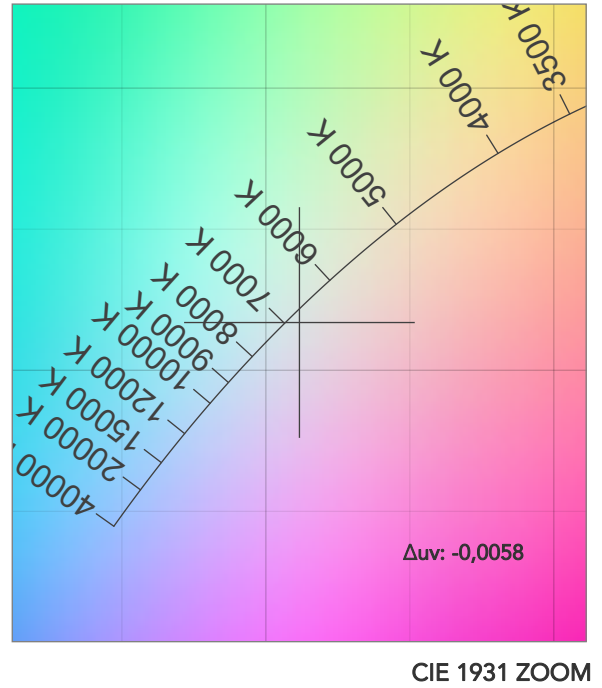
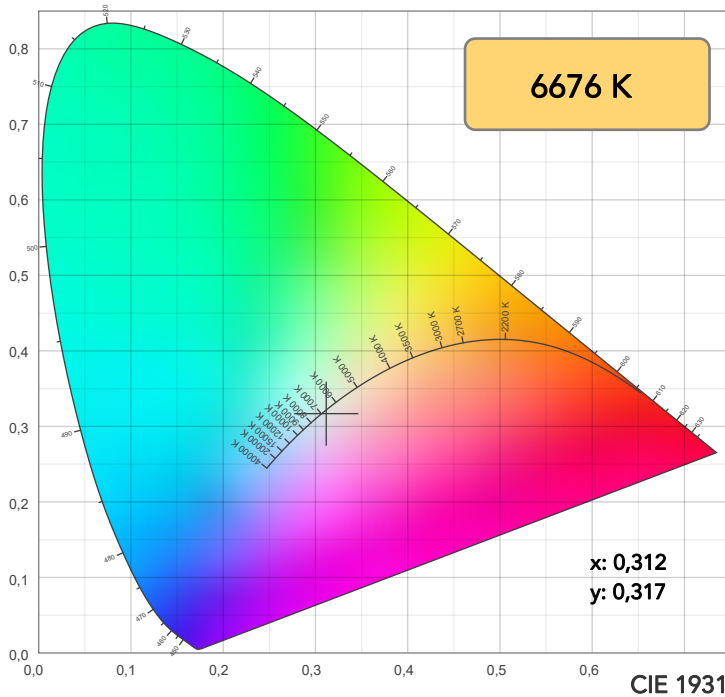
Field angle 10%: 89,5°

Cut off angle 2.5%: 119,8°

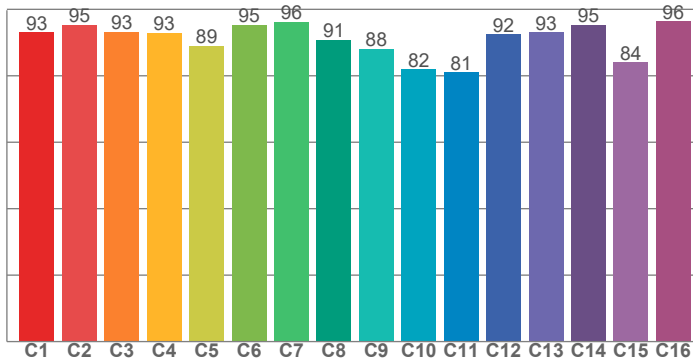
Spectra



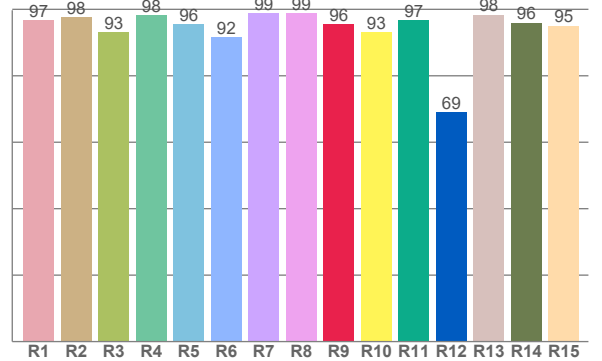
COLOR DETAILS



TM30: 90,7



CRI: 96,3 (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
96,7	97,6	93,2	98,2	95,5	91,6	98,8	98,7	95,5	93,1	96,7	69,1	98,4	96,0	95,1

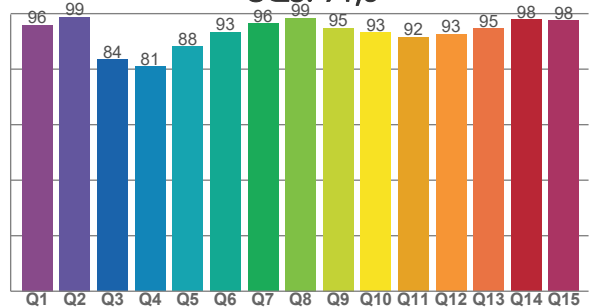
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,1	95,3	93,3	92,9	89,1	95,3	96,3	90,9	88,1	82,0	81,0	92,4	93,0	95,3	84,1	96,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,9	98,8	83,5	81,0	88,2	93,4	96,4	98,5	94,9	93,2	91,6	92,7	94,7	97,9	97,5

CQS: 91,5



COLOR PARAMETERS

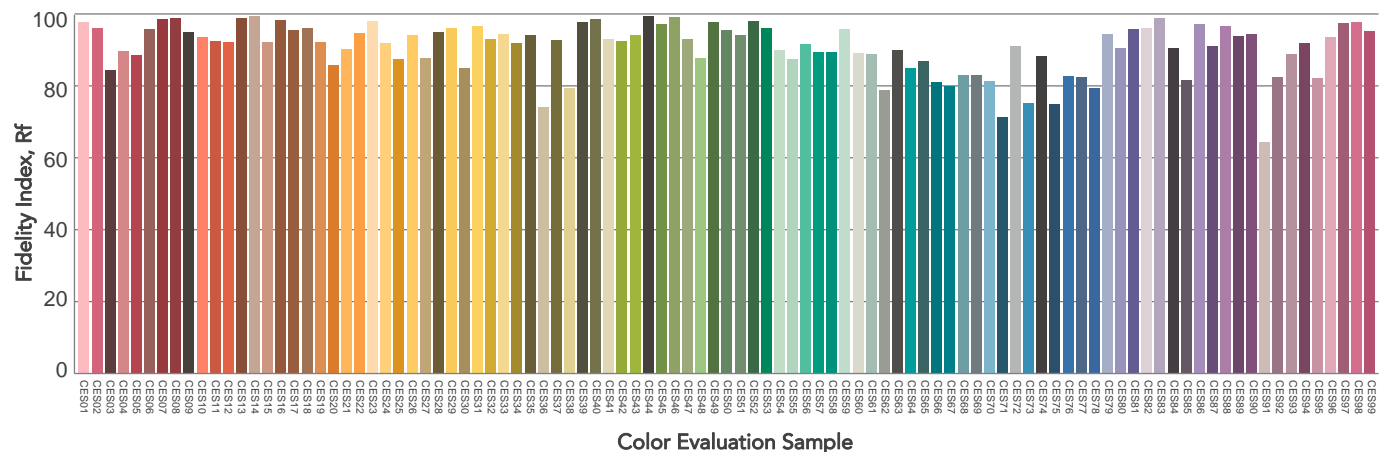
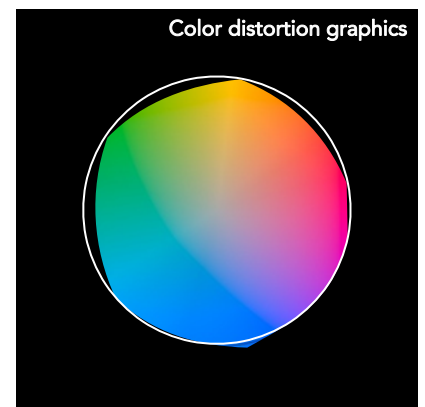
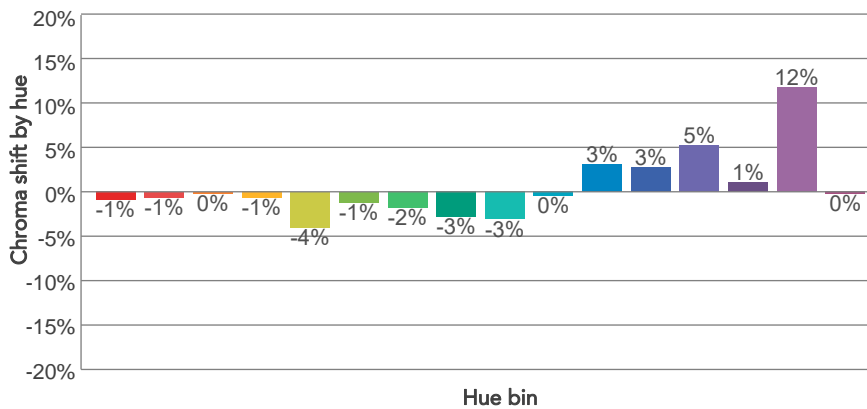
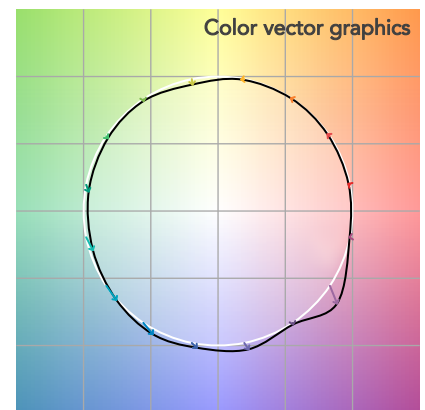
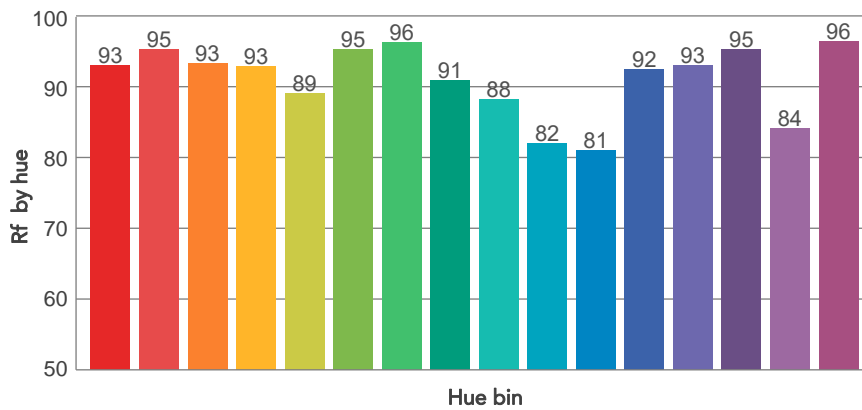
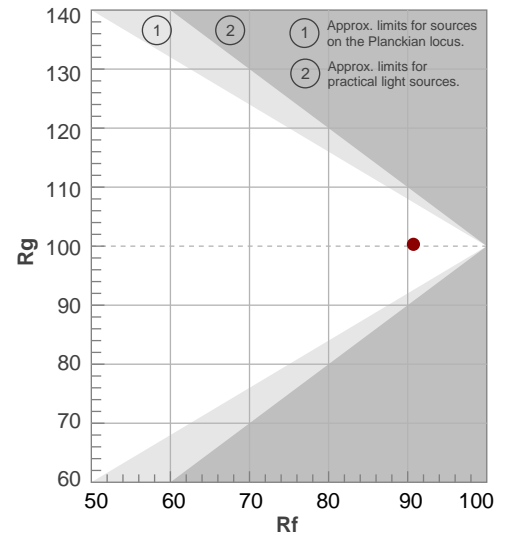
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6676 K	96,3	95,5	90,7	100,3	91,5	96	0,312	0,317	-0,0058

TM30 DETAILS

Rf 90,7
Fidelity index Rf

Rg 100,3
Gammut index

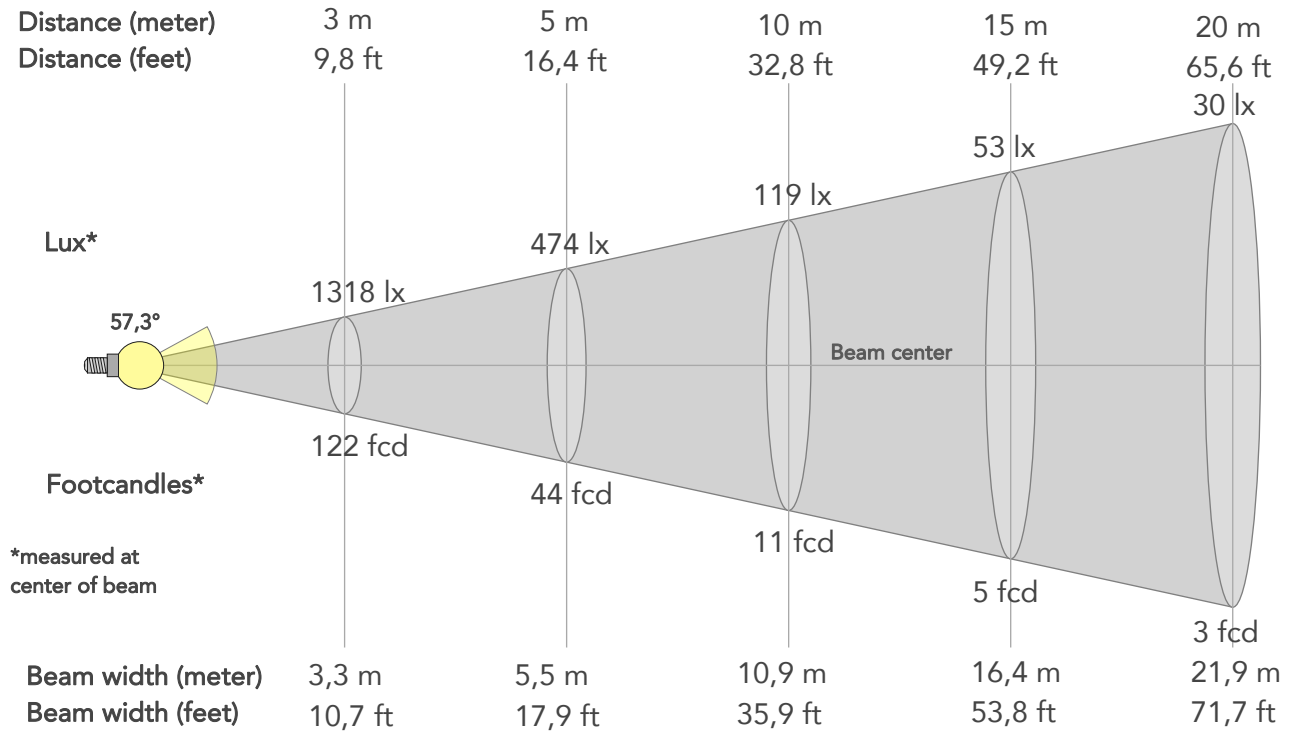
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-1%	1%
2	95	-1%	2%
3	93	0%	1%
4	93	-1%	2%
5	89	-4%	0%
6	95	-1%	1%
7	96	-2%	0%
8	91	-3%	4%
9	88	-3%	10%
10	82	0%	13%
11	81	3%	10%
12	92	3%	4%
13	93	5%	2%
14	95	1%	0%
15	84	12%	-8%
16	96	0%	0%



BEAM DETAILS



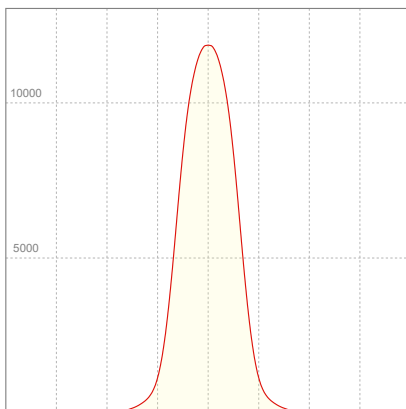
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,3°	89,5°	119,8°	97,3%	90,6%



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	11858lx	2965lx	1318lx	741lx	474lx	211lx	119lx	53lx	30lx	19lx	13lx	7lx	5lx
Footcand.	1102fcd	275fcd	122fcd	69fcd	44fcd	20fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,2m	10,9m	16,4m	21,9m	27,3m	32,8m	43,7m	54,7m
Beam wid.	3,6ft	7,2ft	10,7ft	14,3ft	17,9ft	26,9ft	35,9ft	53,8ft	71,7ft	89,7ft	107,6ft	143,5ft	179,4ft

LINEAR DISTRIBUTION DIAGRAM

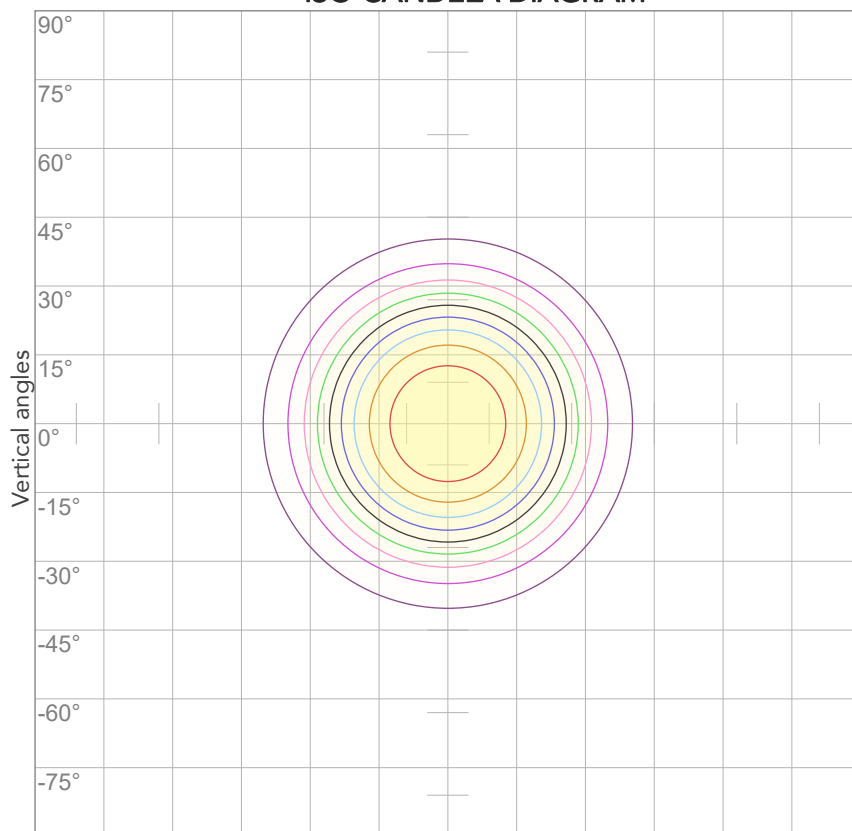


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
223V	0,751A	160,4W	0,96	70lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



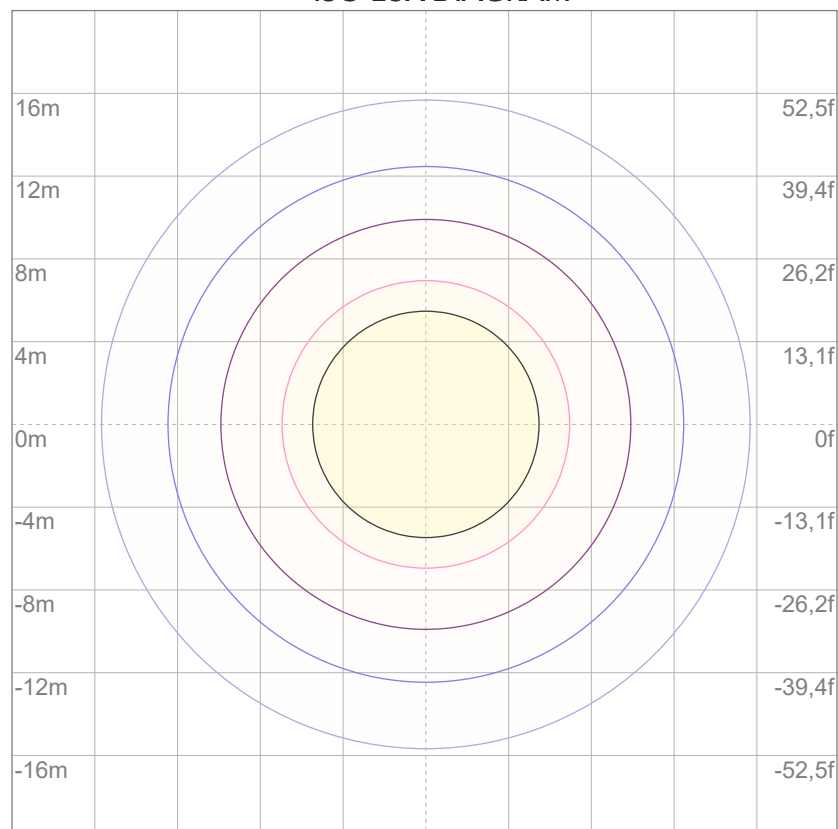
10%	1186 cd
20%	2372 cd
30%	3557 cd
40%	4743 cd
50%	5929 cd
60%	7115 cd
70%	8301 cd
80%	9486 cd

Conditions:

Number of c-planes: 2

Candela at center: 11858 cd

ISO LUX DIAGRAM



3%	3,56 lx
5%	5,93 lx
10%	11,9 lx
30%	35,6 lx
50%	59,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 119 lx

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



Total lumen output:

9915 lm

Peak candela output:

48888 cd

Light quality:

CRI: 95,9

Color temperature:

2742 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

20°

Target:

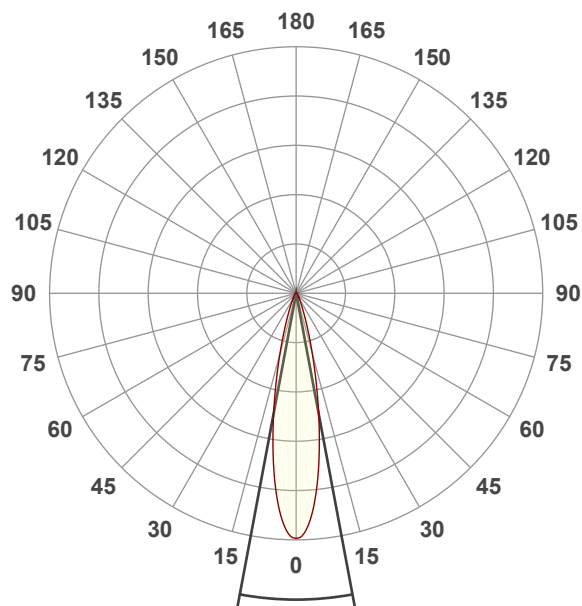
2700K

Operator:

Salvatore Giglio

Date and time:

23/01/2024 12:32:48

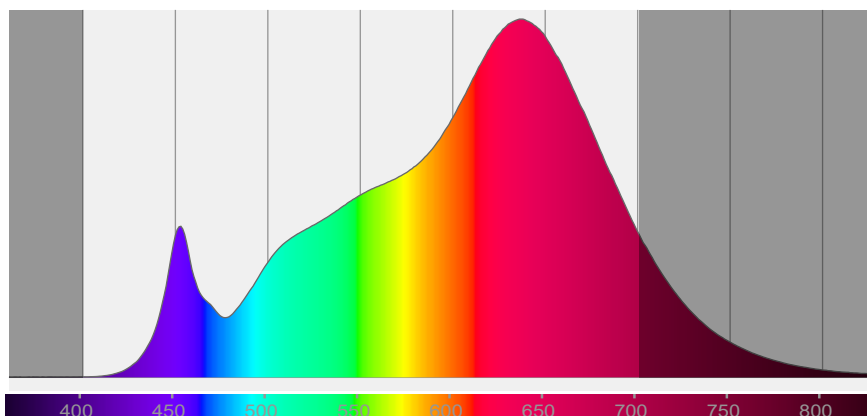


Beam angle 50%: 21,2°

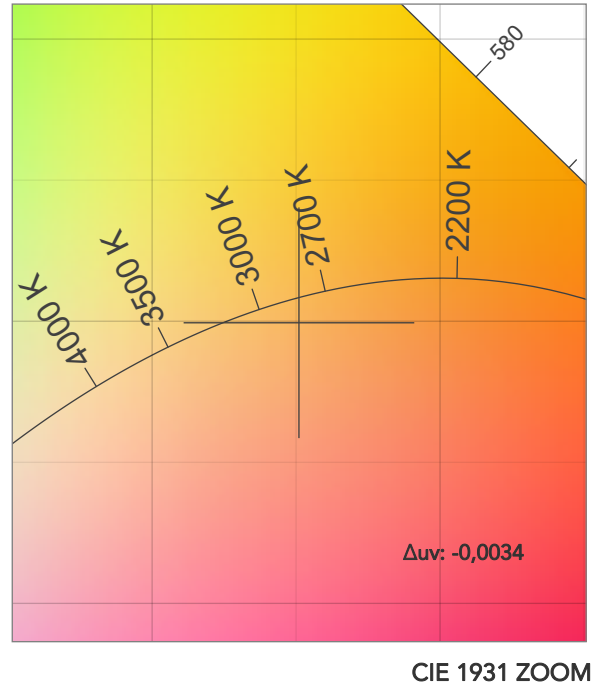
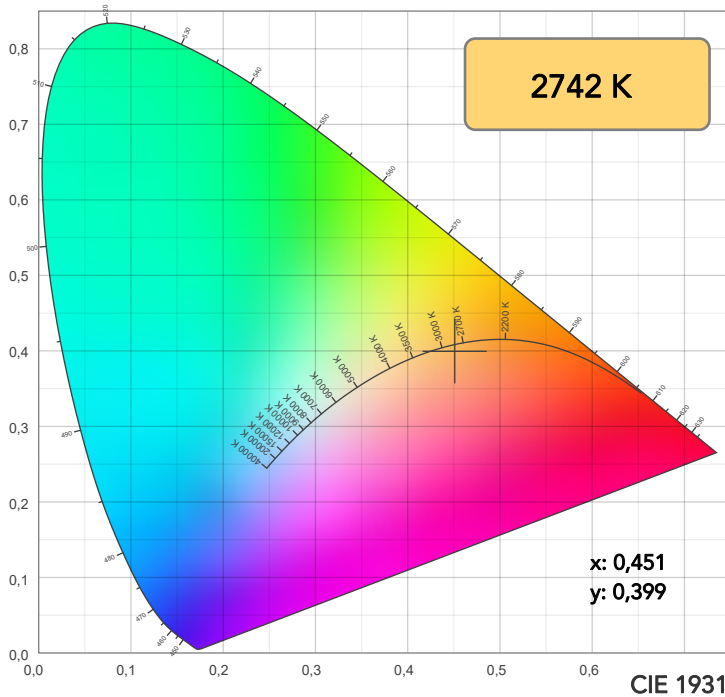
Field angle 10%: 40,6°

Cut off angle 2.5%: 61,8°

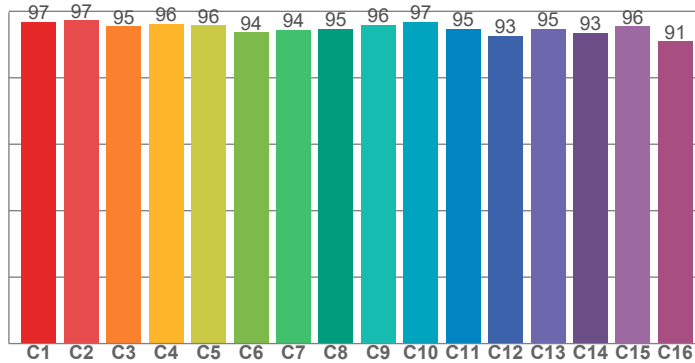
Spectra



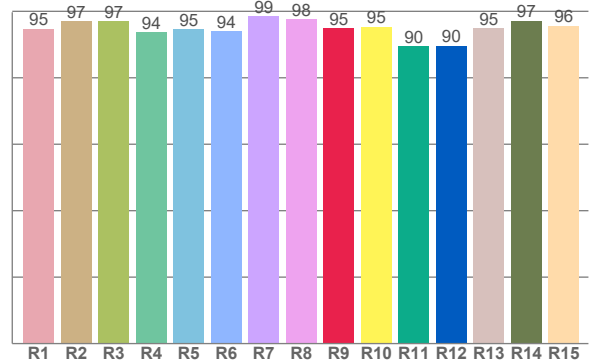
COLOR DETAILS



TM30: 95,2



CRI: 95,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,7	97,1	97,1	93,7	94,6	94,0	98,5	97,6	95,0	95,4	89,6	89,6	94,8	97,2	95,7

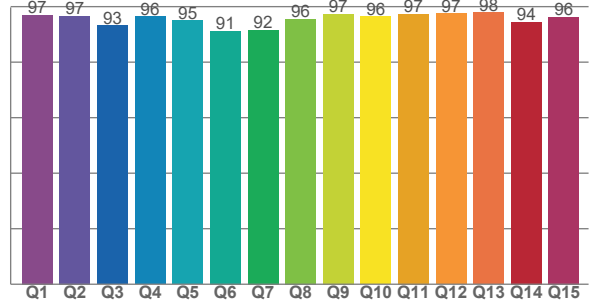
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 94,8



COLOR PARAMETERS

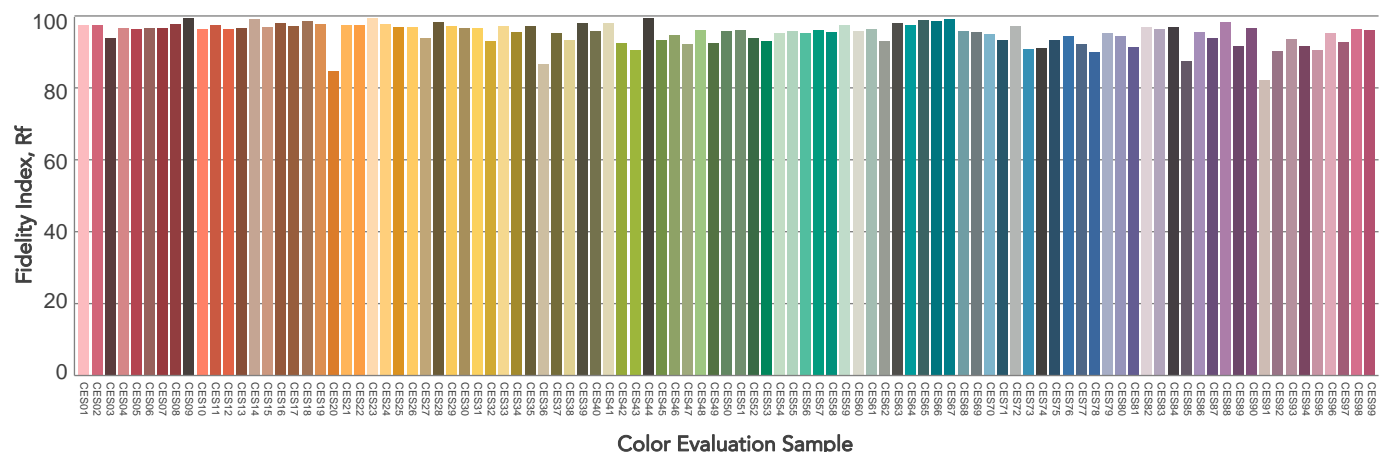
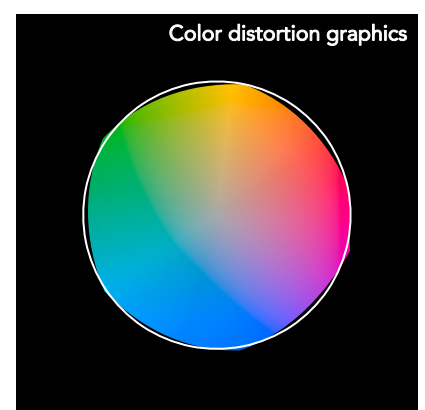
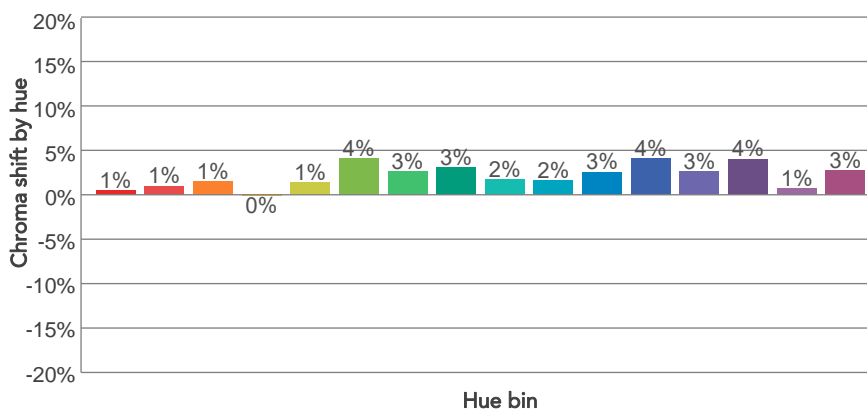
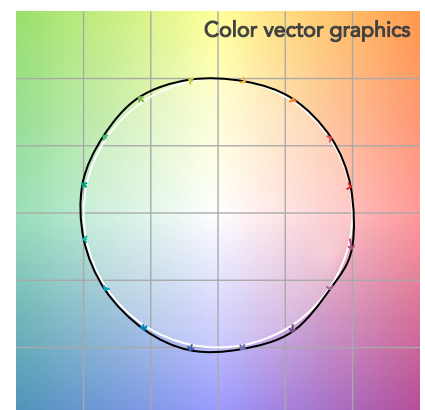
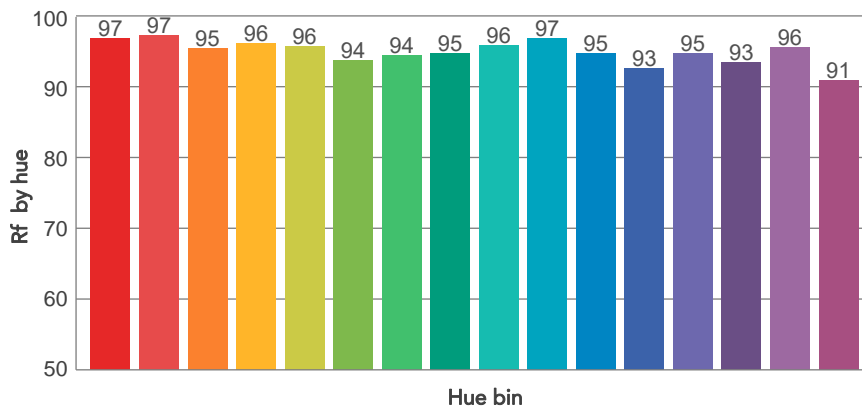
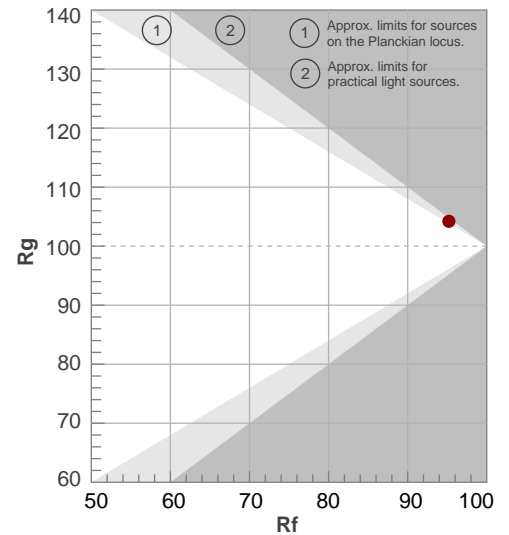
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2742 K	95,9	95,0	95,2	104,2	94,8	97	0,451	0,399	-0,0034

TM30 DETAILS

Rf 95,2
Fidelity index Rf

Rg 104,2
Gammut index

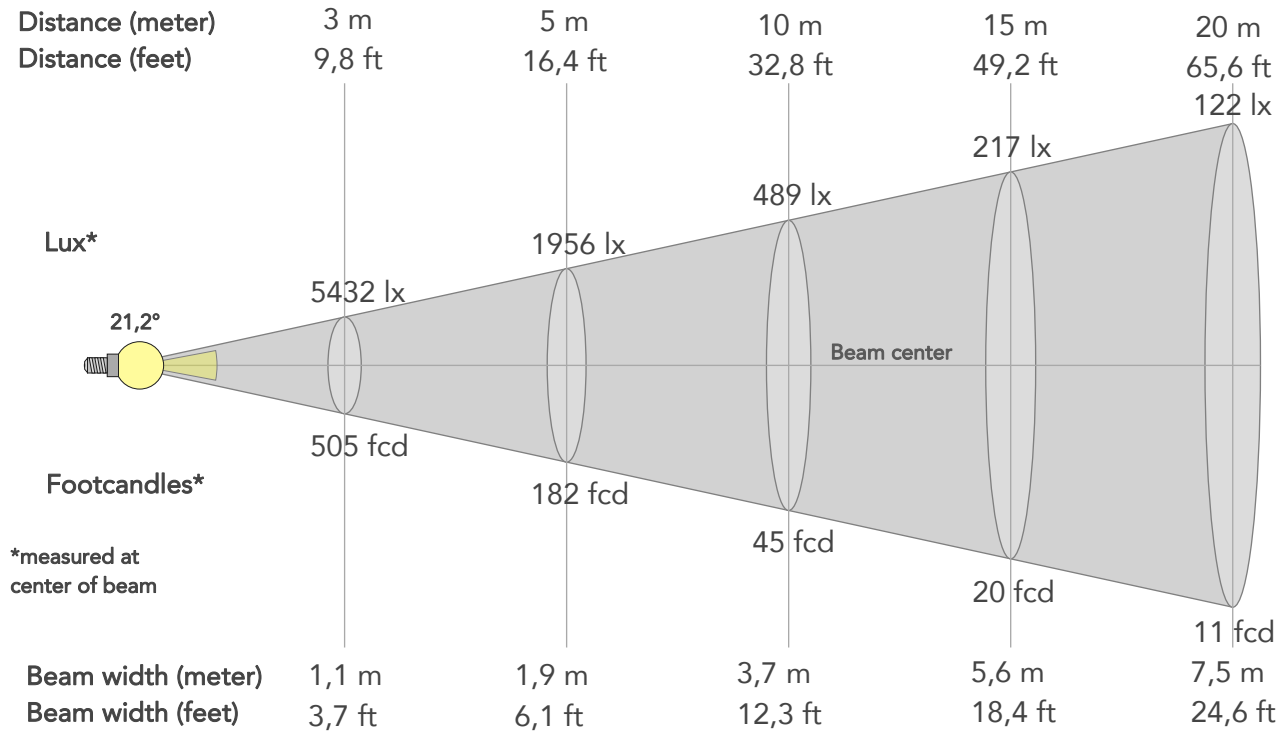
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	0%
2	97	1%	0%
3	95	1%	1%
4	96	0%	0%
5	96	1%	2%
6	94	4%	1%
7	94	3%	0%
8	95	3%	-2%
9	96	2%	0%
10	97	2%	1%
11	95	3%	3%
12	93	4%	-1%
13	95	3%	-3%
14	93	4%	-3%
15	96	1%	-1%
16	91	3%	-7%



BEAM DETAILS



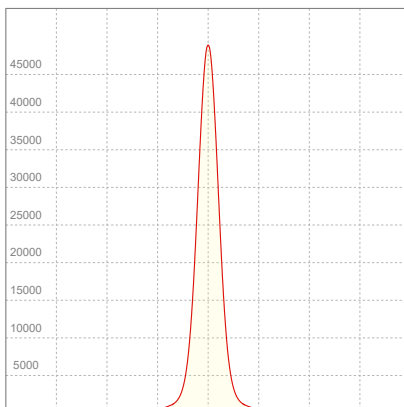
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21,2°	40,6°	61,8°	96,0%	90,8%



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	48888lx	12222lx	5432lx	3056lx	1956lx	869lx	489lx	217lx	122lx	78lx	54lx	31lx	20lx
Footcand.	4542fcd	1135fcd	505fcd	284fcd	182fcd	81fcd	45fcd	20fcd	11fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,9m	2,8m	3,7m	5,6m	7,5m	9,4m	11,2m	15m	18,7m
Beam wid.	1,2ft	2,5ft	3,7ft	4,9ft	6,1ft	9,2ft	12,3ft	18,4ft	24,6ft	30,7ft	36,8ft	49,1ft	61,4ft

LINEAR DISTRIBUTION DIAGRAM

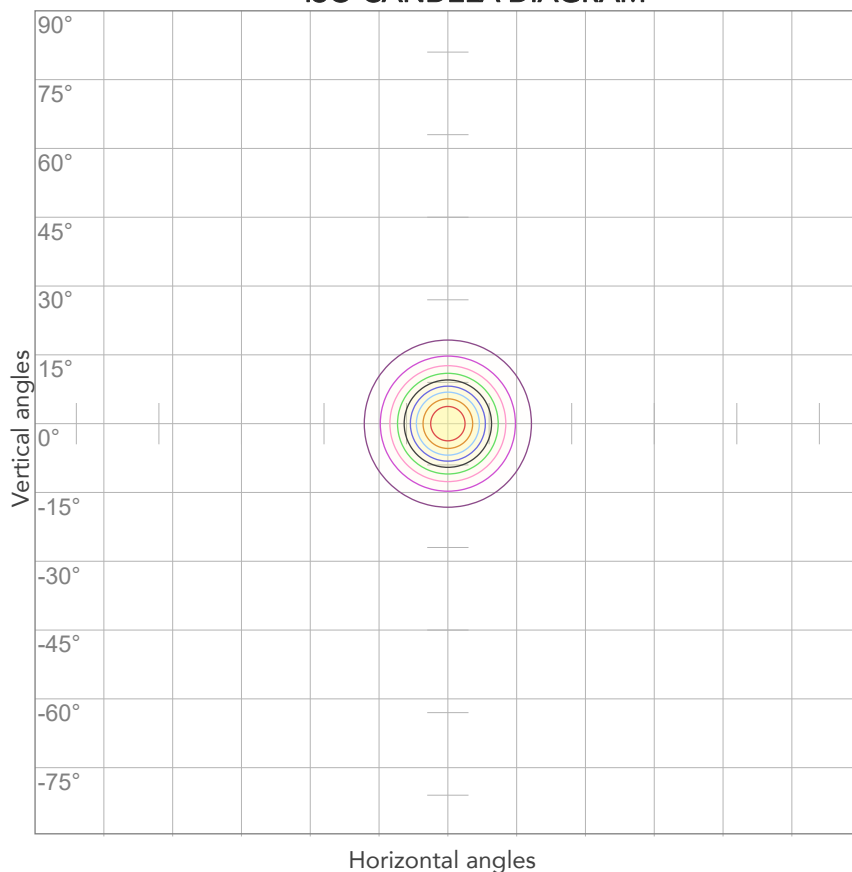


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
223V	0,767A	165,4W	0,97	60lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



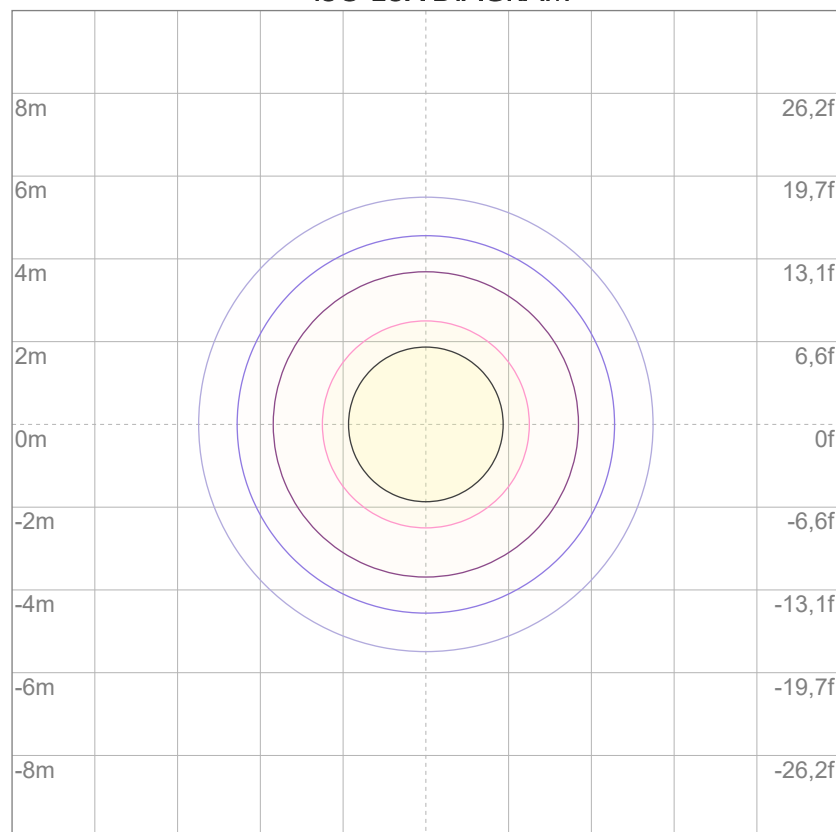
10%	4889 cd
20%	9778 cd
30%	14666 cd
40%	19555 cd
50%	24444 cd
60%	29333 cd
70%	34222 cd
80%	39111 cd

Conditions:

Number of c-planes: 2

Candela at center: 48888 cd

ISO LUX DIAGRAM



3%	14,7 lx
5%	24,4 lx
10%	48,9 lx
30%	147 lx
50%	244 lx

Conditions:

Number of c-planes: 2

Lux at center: 489 lx

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



Total lumen output:

9605 lm

Peak candela output:

18198 cd

Light quality:

CRI: 96,0

Color temperature:

2757 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

40°

Target:

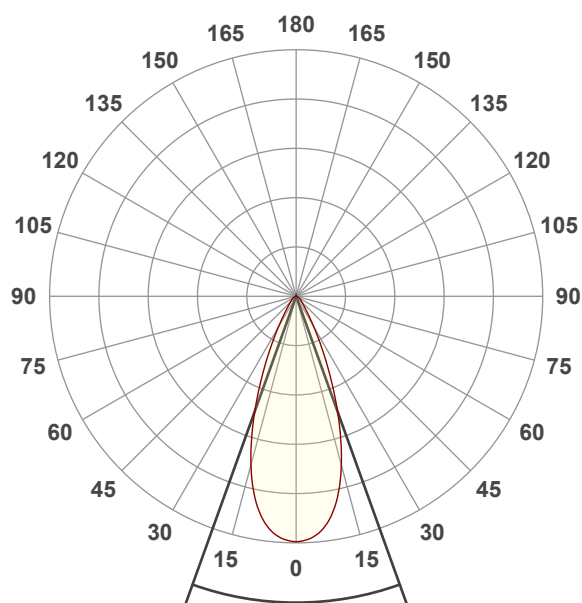
2700K

Operator:

Salvatore Giglio

Date and time:

23/01/2024 12:36:26

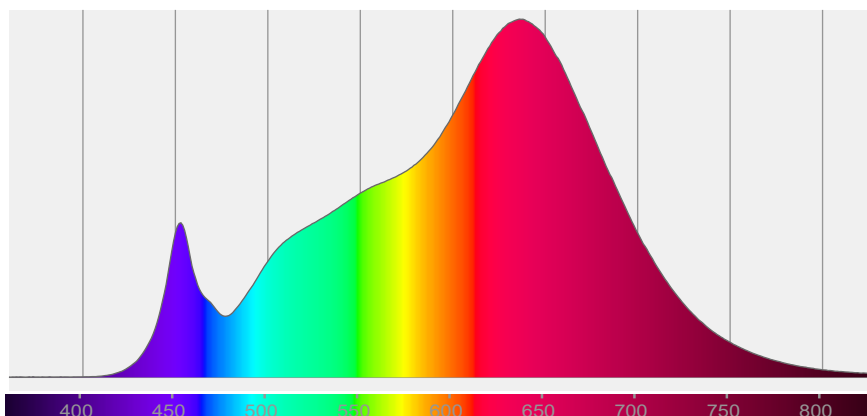


Beam angle 50%: 39,5°

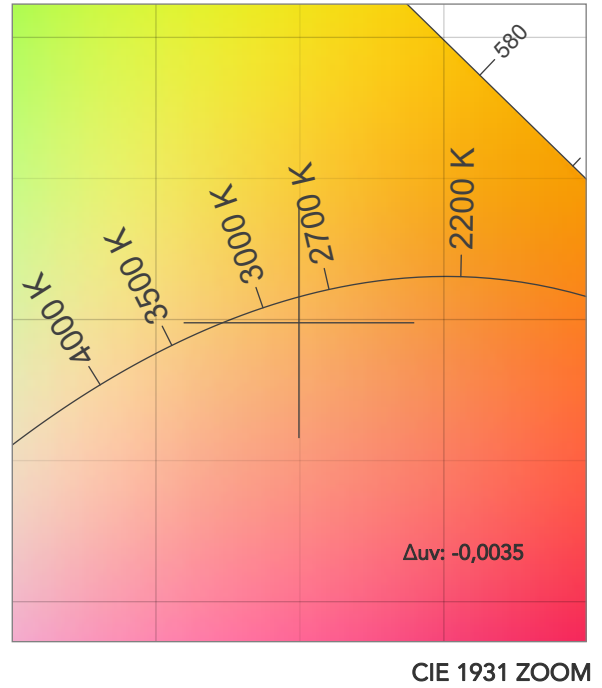
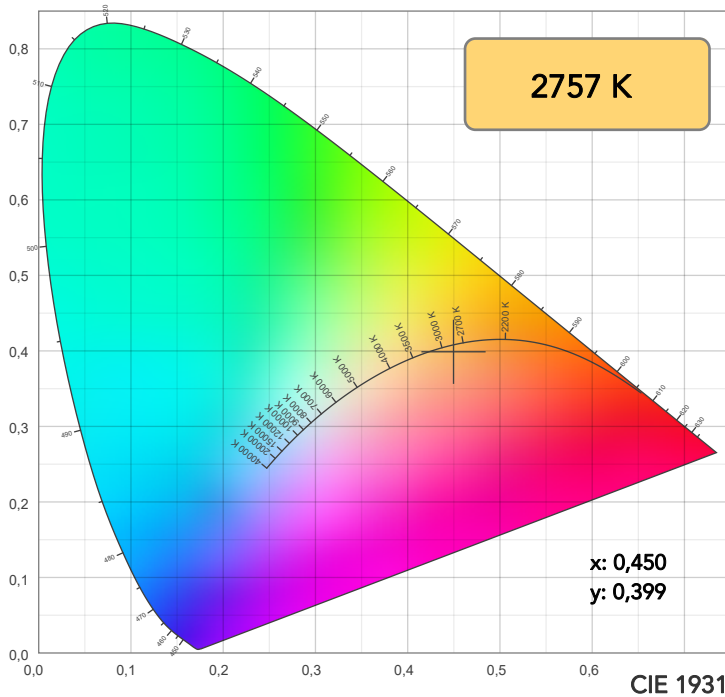
Field angle 10%: 65,7°

Cut off angle 2.5%: 98,8°

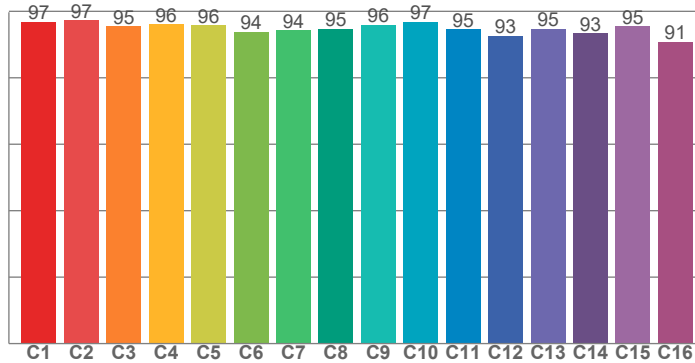
Spectra



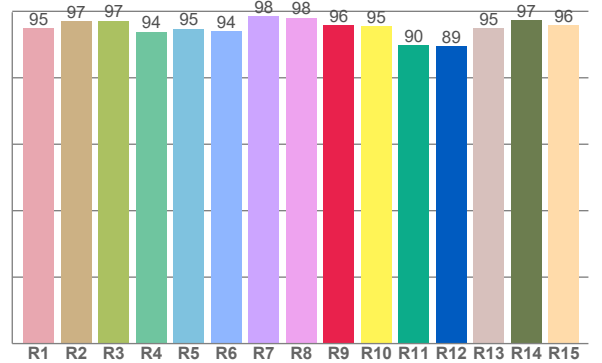
COLOR DETAILS



TM30: 95,2



CRI: 96,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,8	97,1	97,2	93,8	94,8	94,0	98,4	98,0	95,7	95,5	89,8	89,5	94,9	97,2	95,9

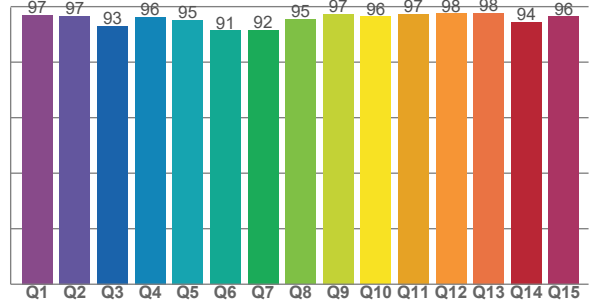
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,8	97,3	95,5	96,1	95,7	93,8	94,3	94,8	96,0	96,9	94,6	92,6	94,7	93,4	95,5	90,8

CQS Q values

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

CQS: 94,8



COLOR PARAMETERS

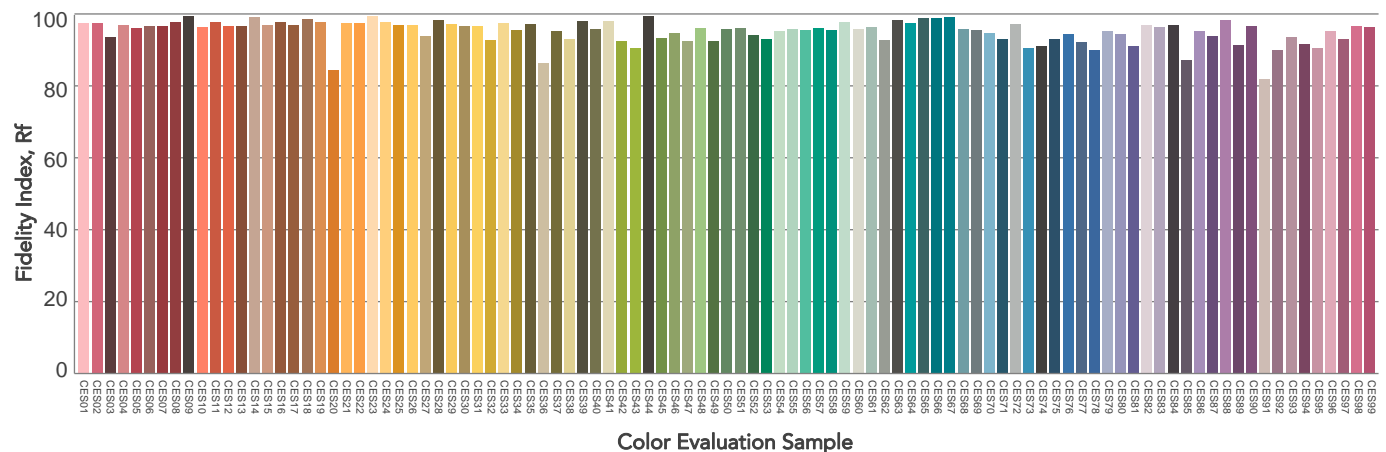
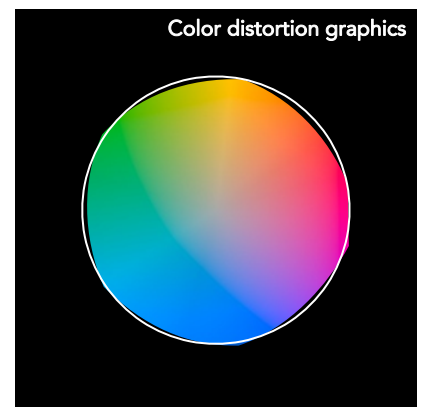
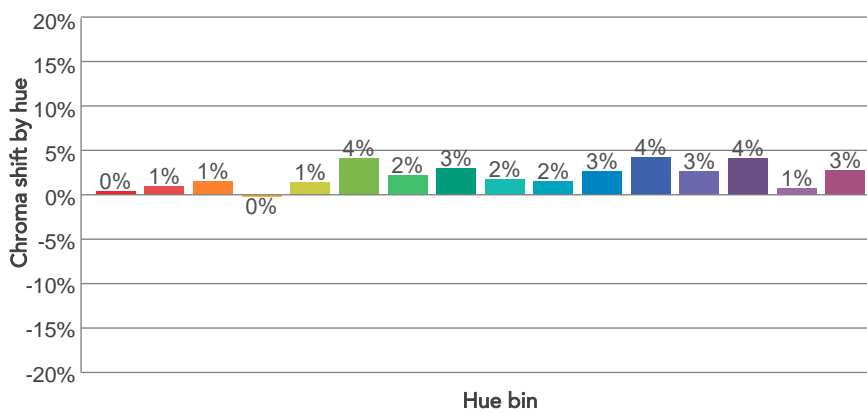
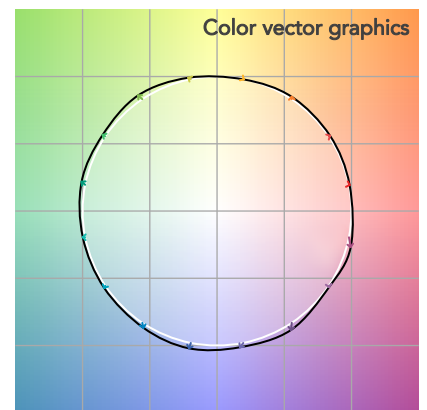
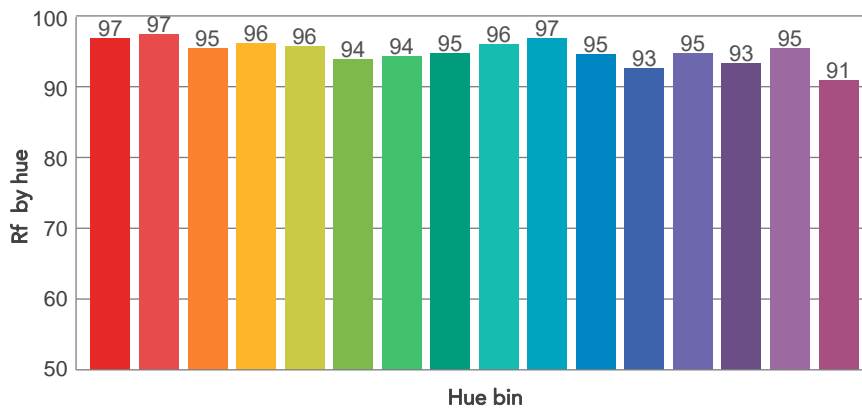
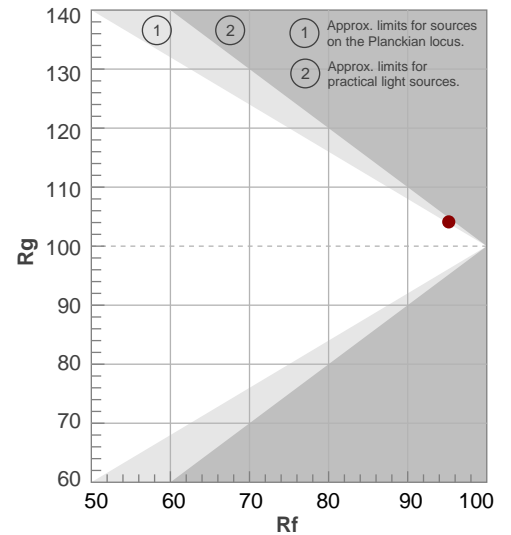
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2757 K	96,0	95,7	95,2	104,1	94,8	97	0,450	0,399	-0,0035

TM30 DETAILS

Rf 95,2
Fidelity index Rf

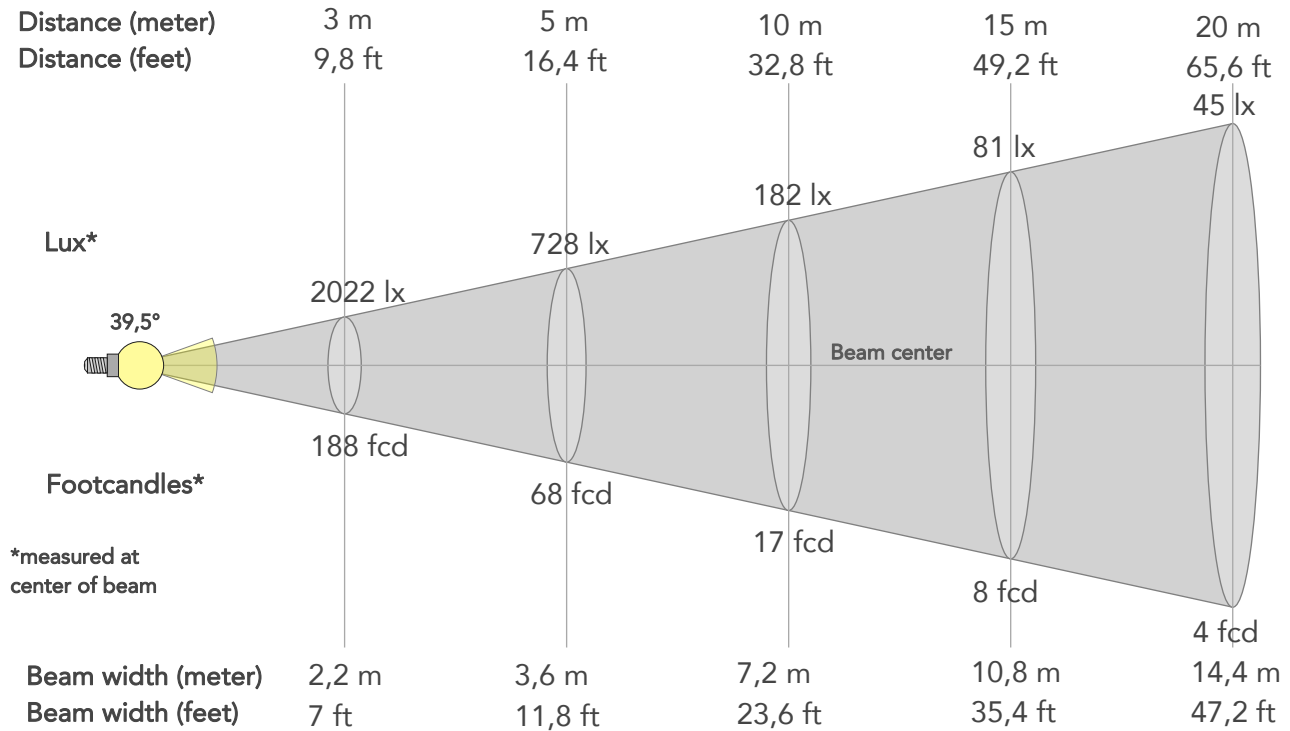
Rg 104,1
Gammut index

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



BEAM DETAILS

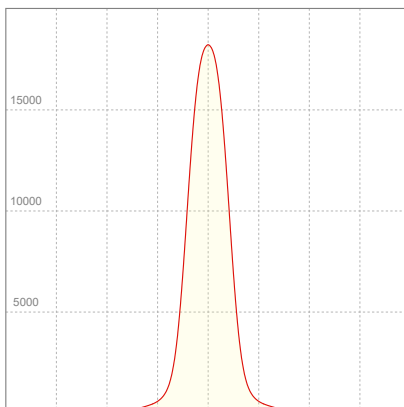
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,5°	65,7°	98,8°	96,3%	90,9%



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	18198lx	4549lx	2022lx	1137lx	728lx	324lx	182lx	81lx	45lx	29lx	20lx	11lx	7lx
Footcand.	1691fcd	423fcd	188fcd	106fcd	68fcd	30fcd	17fcd	8fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,7m	1,4m	2,2m	2,9m	3,6m	5,4m	7,2m	10,8m	14,4m	18m	21,6m	28,8m	35,9m
Beam wid.	2,4ft	4,7ft	7ft	9,4ft	11,8ft	17,7ft	23,6ft	35,4ft	47,2ft	58,9ft	70,7ft	94,3ft	117,9ft

LINEAR DISTRIBUTION DIAGRAM

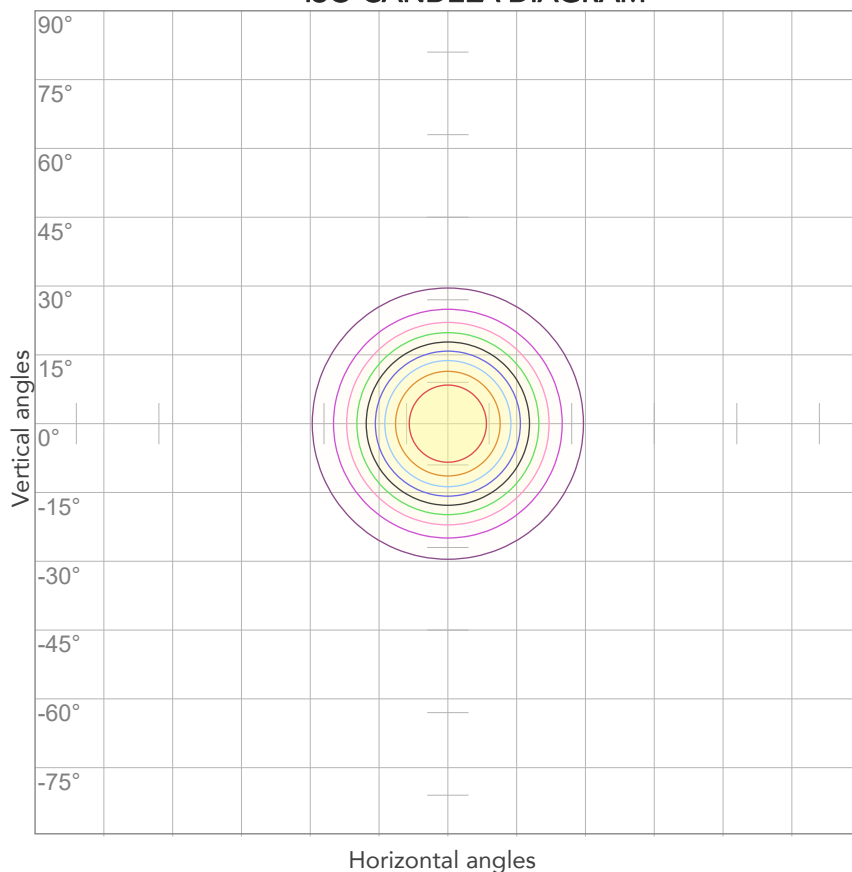


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
223V	0,763A	164,8W	0,97	58lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



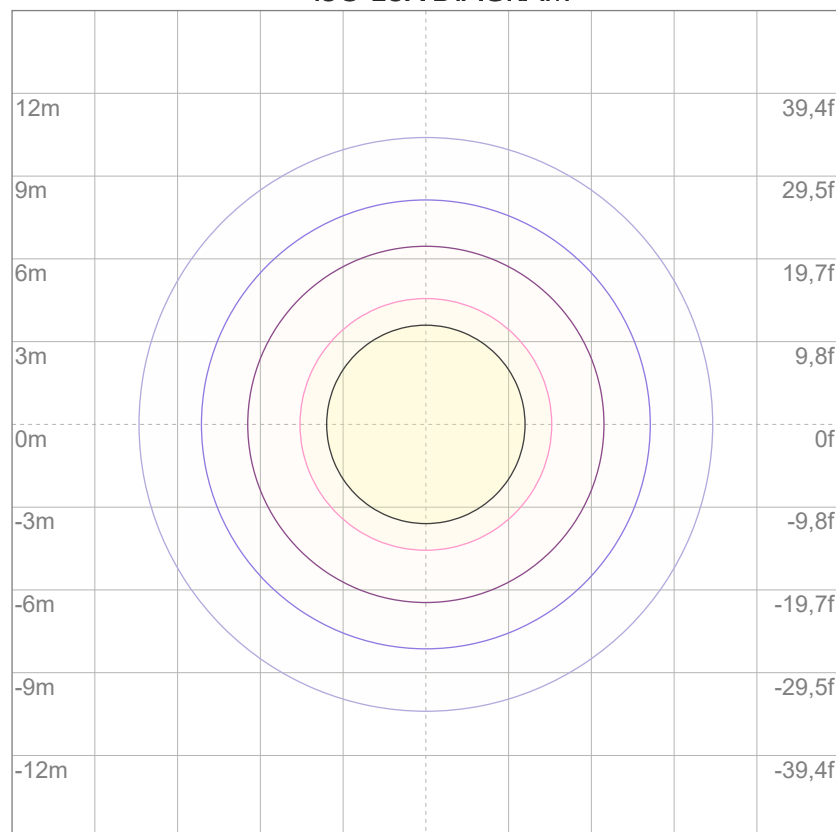
10%	1820 cd
20%	3640 cd
30%	5459 cd
40%	7279 cd
50%	9099 cd
60%	10919 cd
70%	12738 cd
80%	14558 cd

Conditions:

Number of c-planes: 2

Candela at center: 18198 cd

ISO LUX DIAGRAM



3%	5,46 lx
5%	9,10 lx
10%	18,2 lx
30%	54,6 lx
50%	91,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 182 lx

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



Total lumen output:

8893 lm

Peak candela output:

9293 cd

Light quality:

CRI: 95,9

Color temperature:

2764 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

60°

Target:

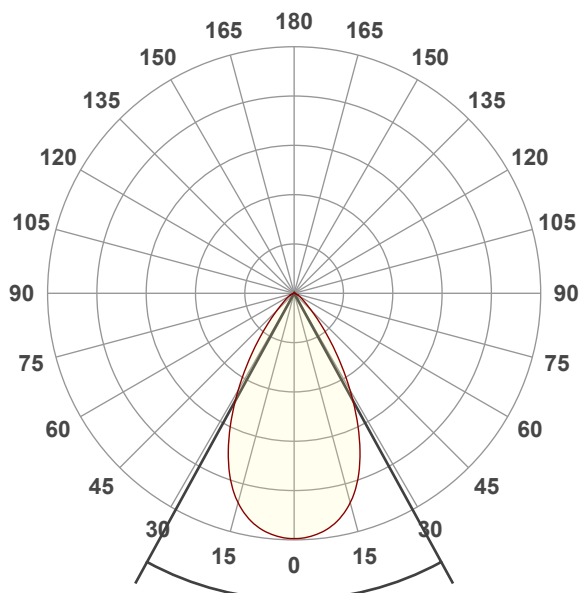
2700K

Operator:

Salvatore Giglio

Date and time:

23/01/2024 12:41:25

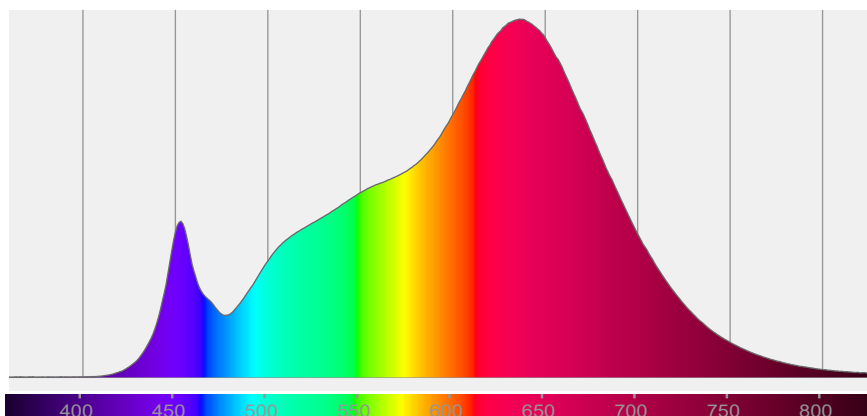


Beam angle 50%: 57,4°

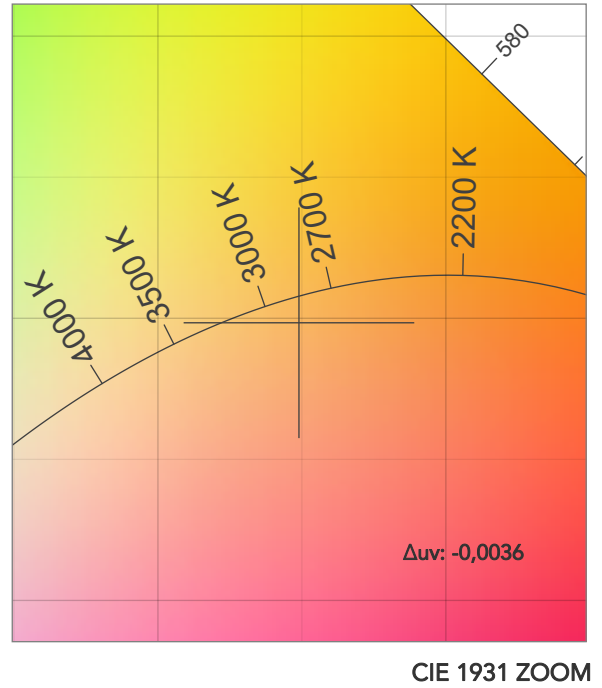
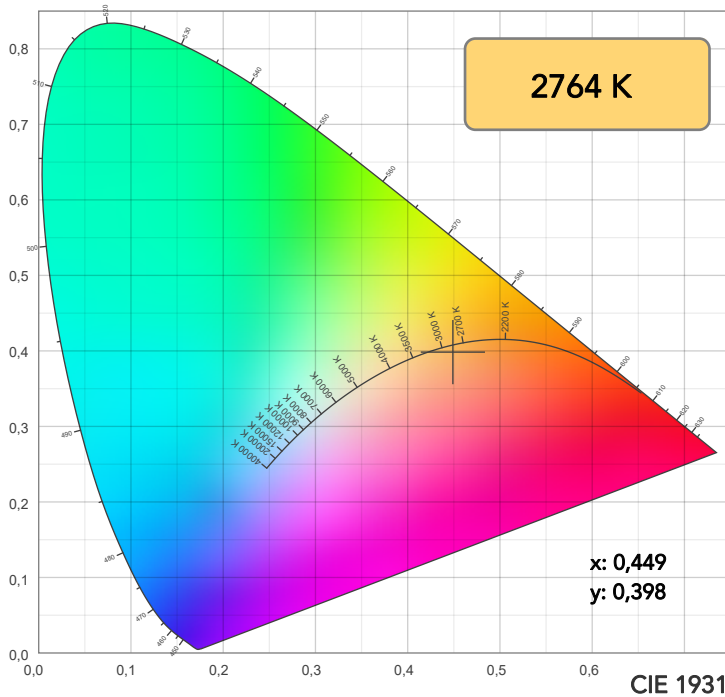
Field angle 10%: 90,3°

Cut off angle 2.5%: 120,8°

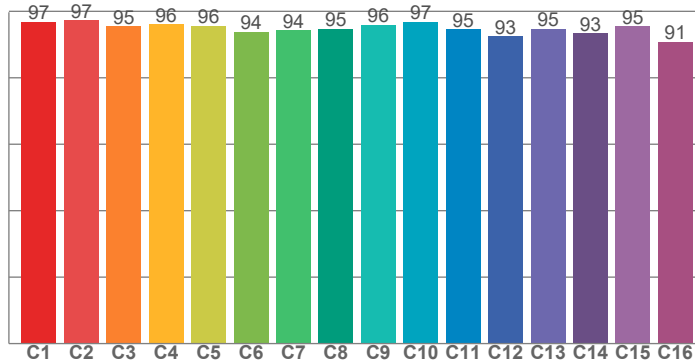
Spectra



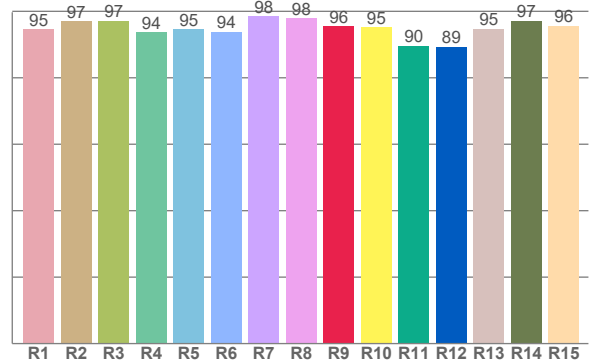
COLOR DETAILS



TM30: 95,2



CRI: 95,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,7	97,0	97,2	93,7	94,6	93,9	98,4	97,9	95,5	95,3	89,7	89,3	94,7	97,2	95,7

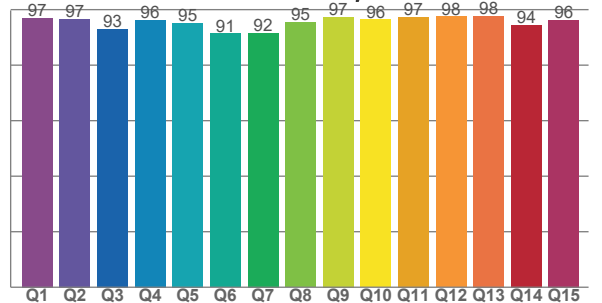
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,8	97,3	95,4	96,1	95,7	93,8	94,3	94,7	96,0	96,8	94,6	92,5	94,6	93,3	95,4	90,8

CQS Q values

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

CQS: 94,8



COLOR PARAMETERS

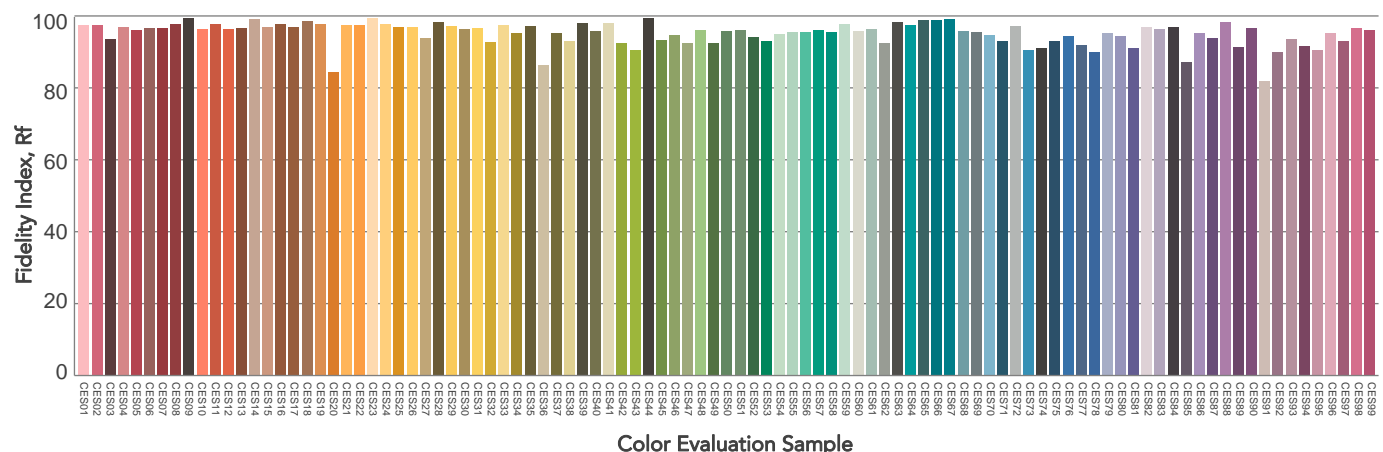
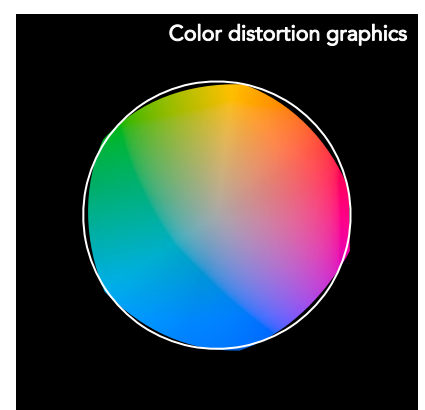
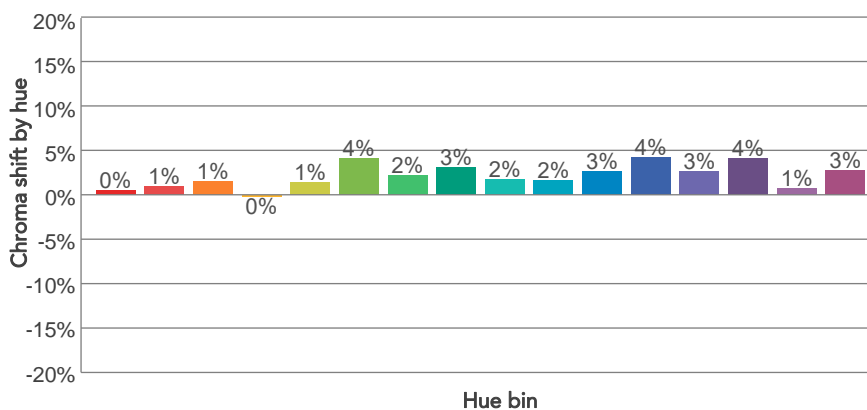
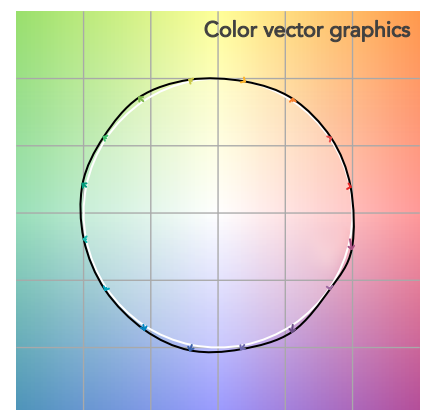
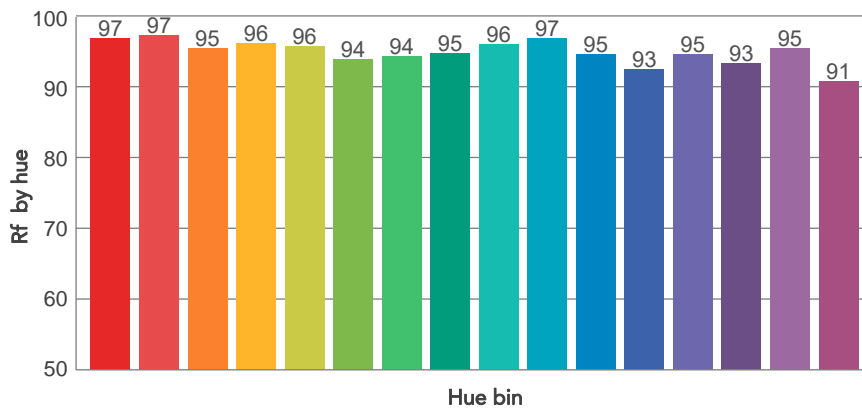
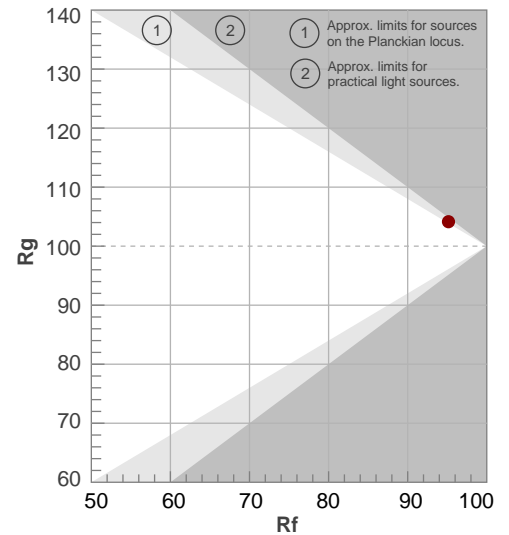
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2764 K	95,9	95,5	95,2	104,1	94,8	97	0,449	0,398	-0,0036

TM30 DETAILS

Rf 95,2
Fidelity index Rf

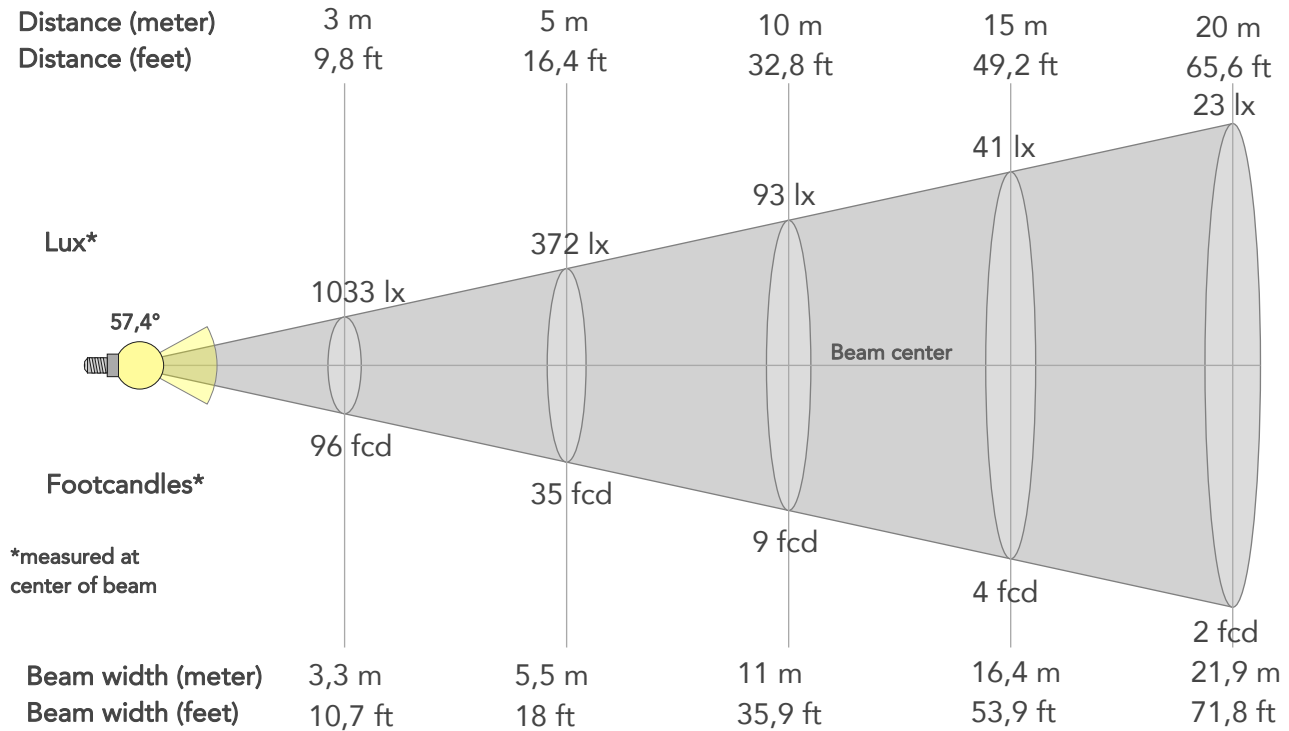
Rg 104,1
Gammut index

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



BEAM DETAILS

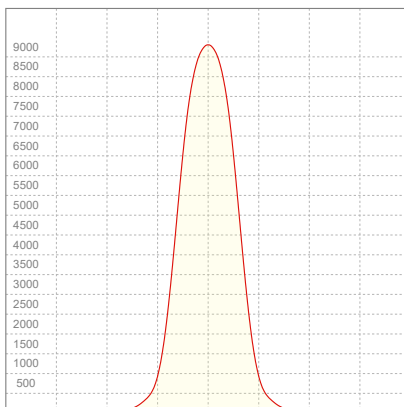
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,4°	90,3°	120,8°	97,0%	90,1%



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	9293lx	2323lx	1033lx	581lx	372lx	165lx	93lx	41lx	23lx	15lx	10lx	6lx	4lx
Footcand.	863fcd	216fcd	96fcd	54fcd	35fcd	15fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,2m	11m	16,4m	21,9m	27,4m	32,9m	43,8m	54,8m
Beam wid.	3,6ft	7,2ft	10,7ft	14,3ft	18ft	26,9ft	35,9ft	53,9ft	71,8ft	89,8ft	107,7ft	143,7ft	179,6ft

LINEAR DISTRIBUTION DIAGRAM

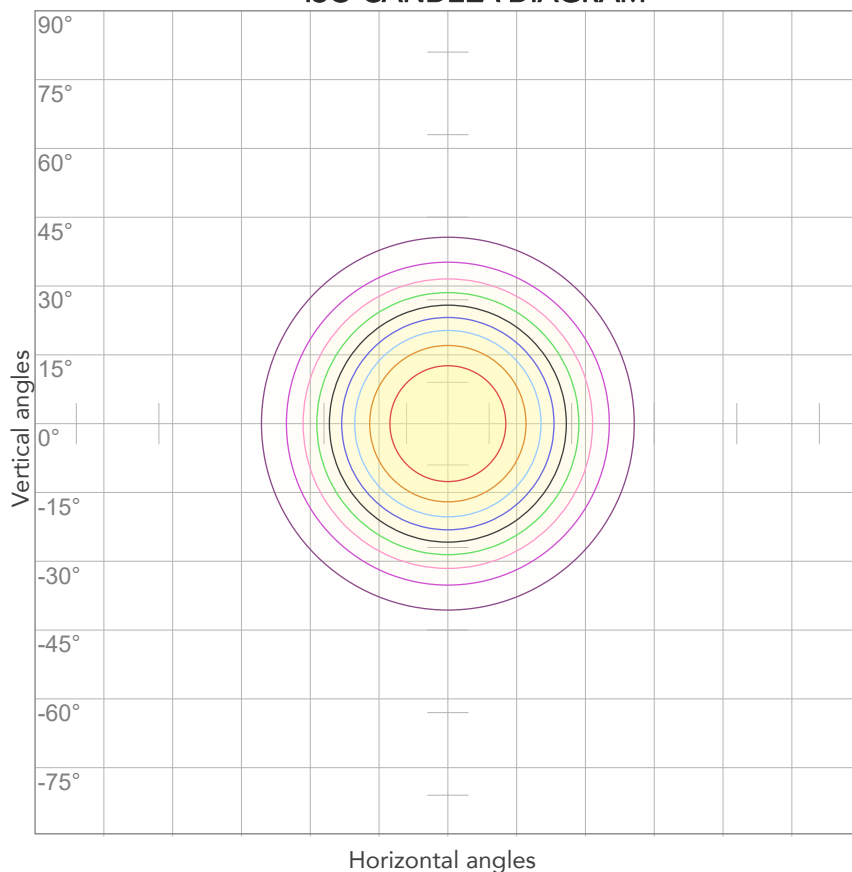


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
222V	0,764A	164,4W	0,97	54lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



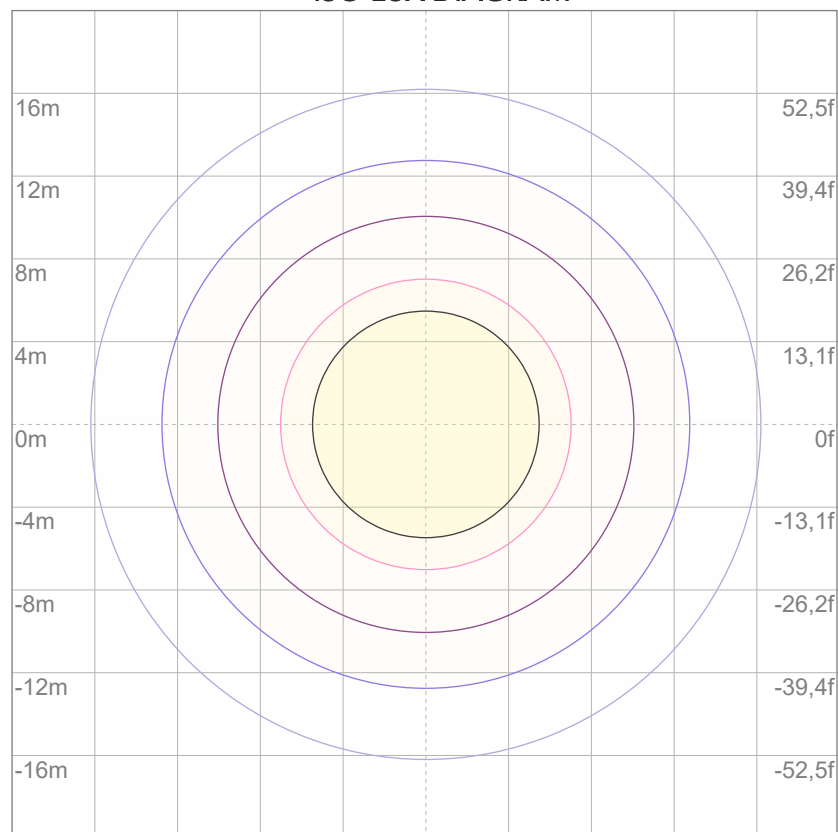
10%	929 cd
20%	1859 cd
30%	2788 cd
40%	3717 cd
50%	4647 cd
60%	5576 cd
70%	6505 cd
80%	7435 cd

Conditions:

Number of c-planes: 2

Candela at center: 9293 cd

ISO LUX DIAGRAM



3%	2,79 lx
5%	4,65 lx
10%	9,29 lx
30%	27,9 lx
50%	46,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 92,9 lx

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



Total lumen output:

10147 lm

Peak candela output:

51179 cd

Light quality:

CRI: 95,5

Color temperature:

2844 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

20°

Target:

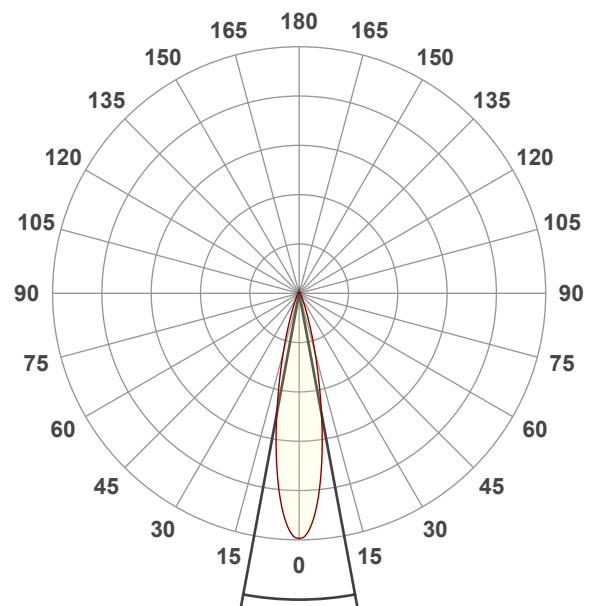
2800K

Operator:

Salvatore Giglio

Date and time:

22/01/2024 15:51:11

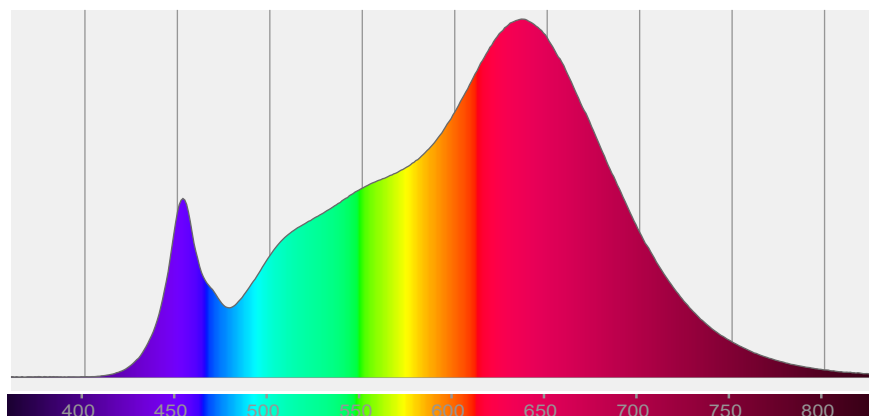


Beam angle 50%: 21°

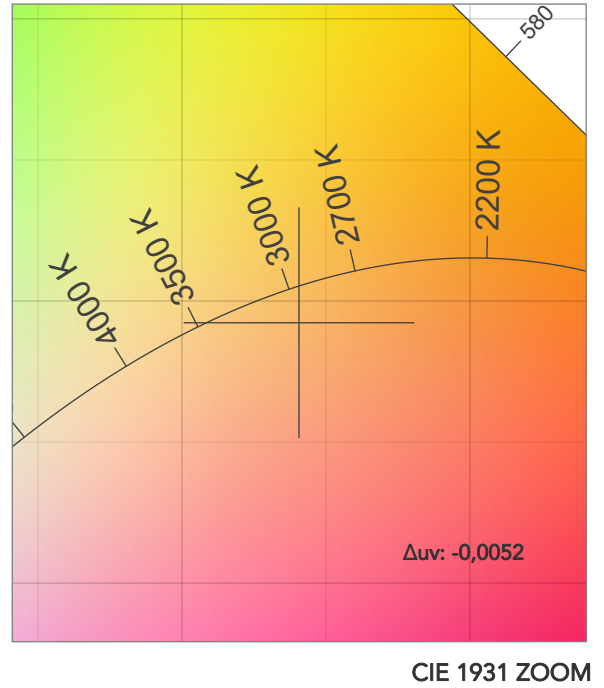
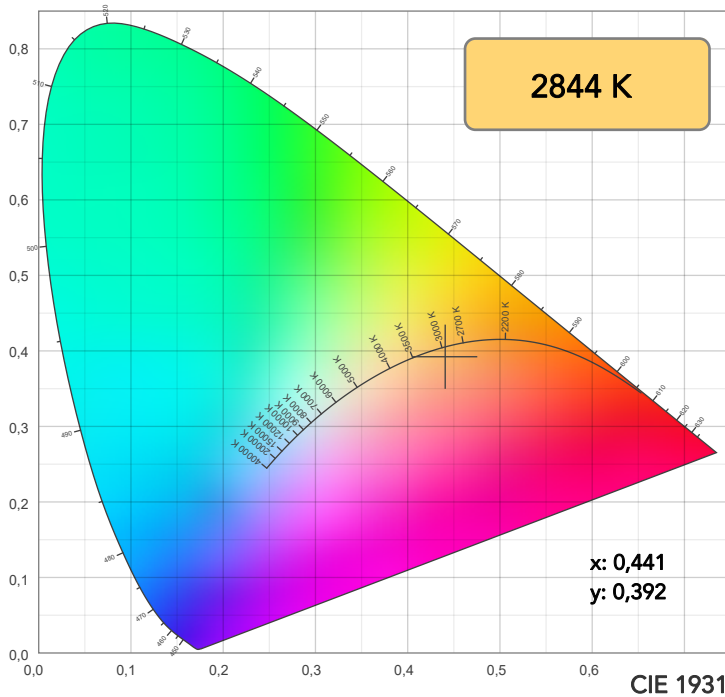
Field angle 10%: 40,2°

Cut off angle 2.5%: 61,2°

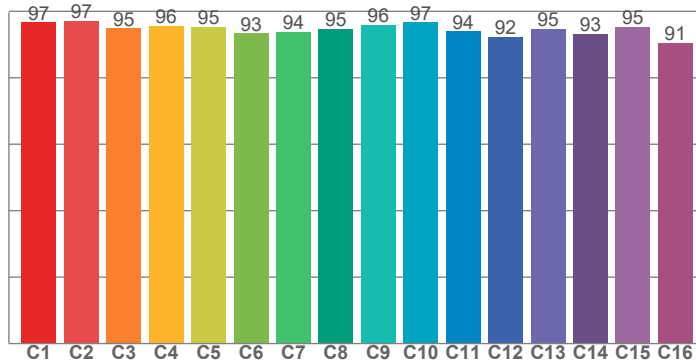
Spectra



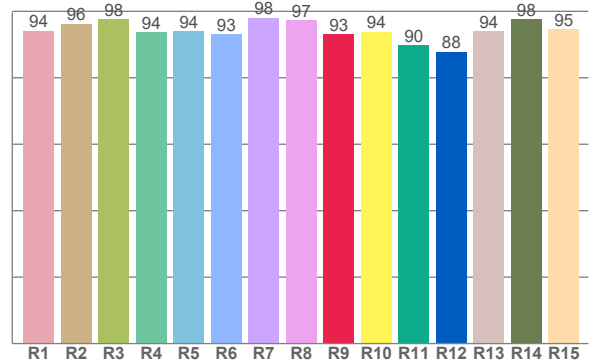
COLOR DETAILS



TM30: 94,9



CRI: 95,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,2	96,3	97,6	93,7	94,1	93,1	98,1	97,3	93,2	93,8	89,8	87,8	94,1	97,5	94,5

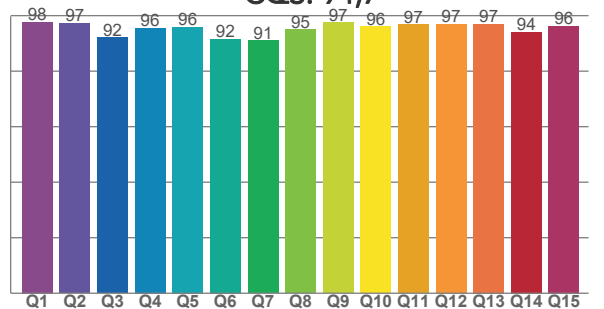
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 94,7



COLOR PARAMETERS

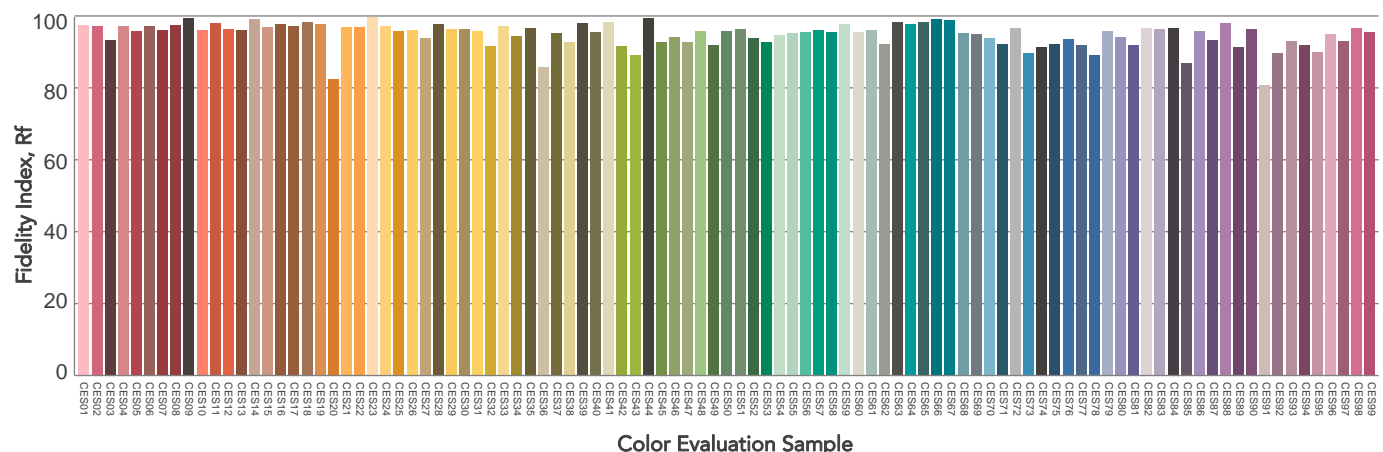
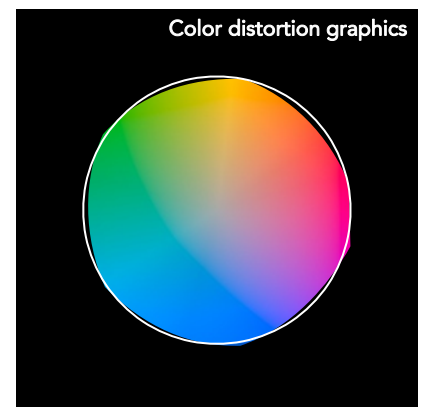
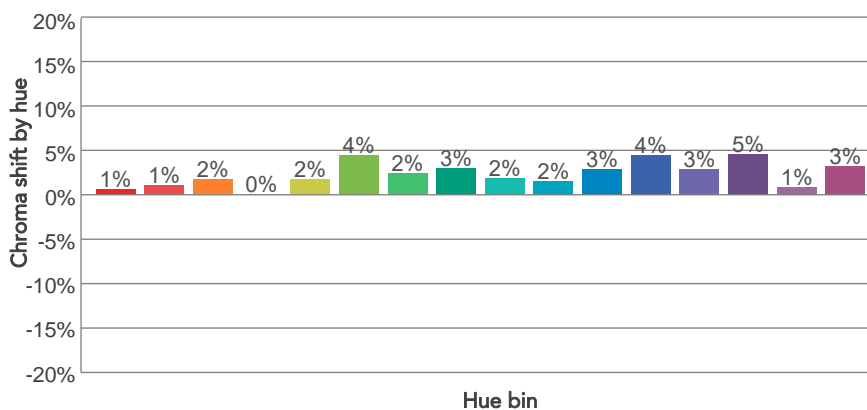
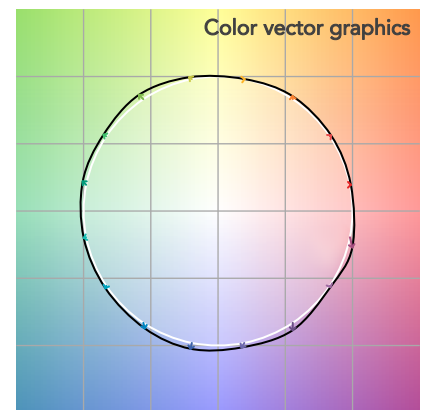
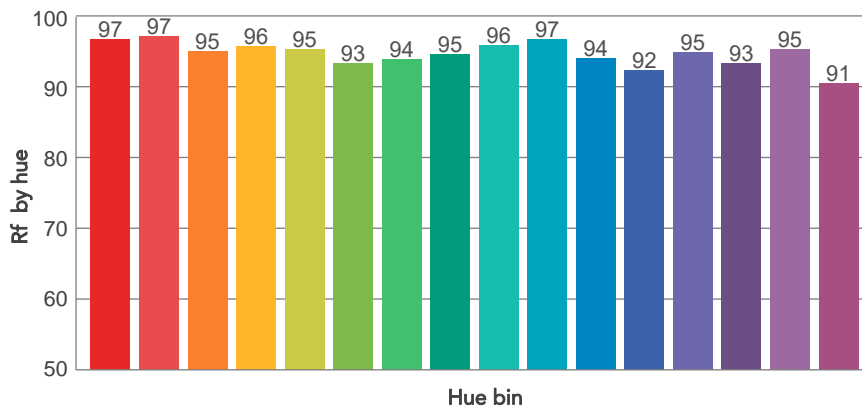
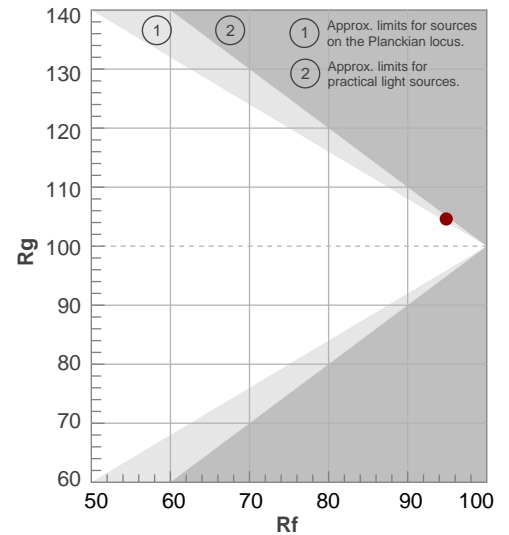
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2844 K	95,5	93,2	94,9	104,6	94,7	96	0,441	0,392	-0,0052

TM30 DETAILS

Rf 94,9
Fidelity index Rf

Rg 104,6
Gammut index

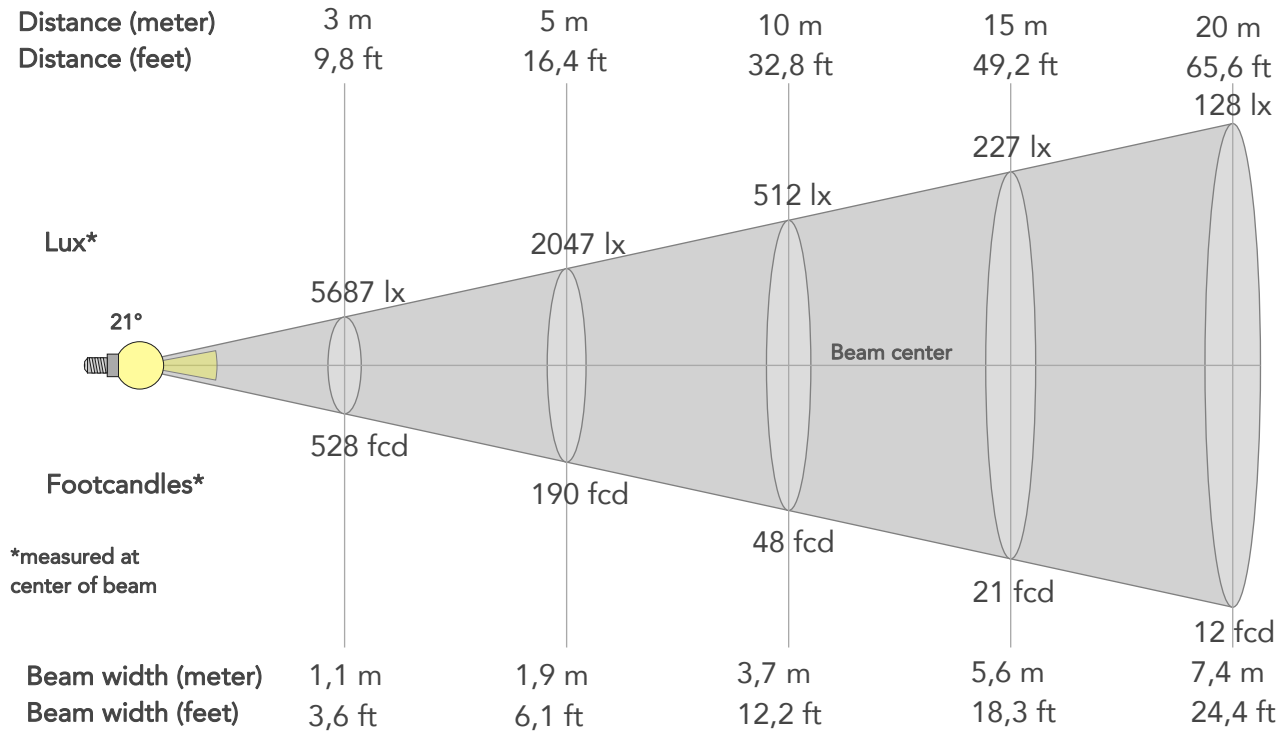
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	0%
2	97	1%	0%
3	95	2%	1%
4	96	0%	0%
5	95	2%	2%
6	93	4%	1%
7	94	2%	0%
8	95	3%	-2%
9	96	2%	0%
10	97	2%	1%
11	94	3%	3%
12	92	4%	0%
13	95	3%	-3%
14	93	5%	-3%
15	95	1%	-1%
16	91	3%	-7%



BEAM DETAILS



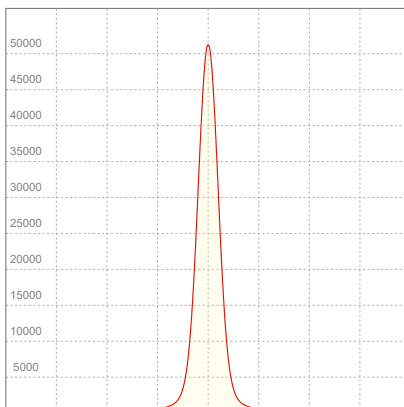
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21°	40,2°	61,2°	96,6%	91,4%



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	51179lx	12795lx	5687lx	3199lx	2047lx	910lx	512lx	227lx	128lx	82lx	57lx	32lx	20lx
Footcand.	4755fcd	1189fcd	528fcd	297fcd	190fcd	85fcd	48fcd	21fcd	12fcd	8fcd	5fcd	3fcd	2fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,9m	2,8m	3,7m	5,6m	7,4m	9,3m	11,1m	14,9m	18,6m
Beam wid.	1,2ft	2,5ft	3,6ft	4,9ft	6,1ft	9,1ft	12,2ft	18,3ft	24,4ft	30,4ft	36,5ft	48,7ft	60,9ft

LINEAR DISTRIBUTION DIAGRAM

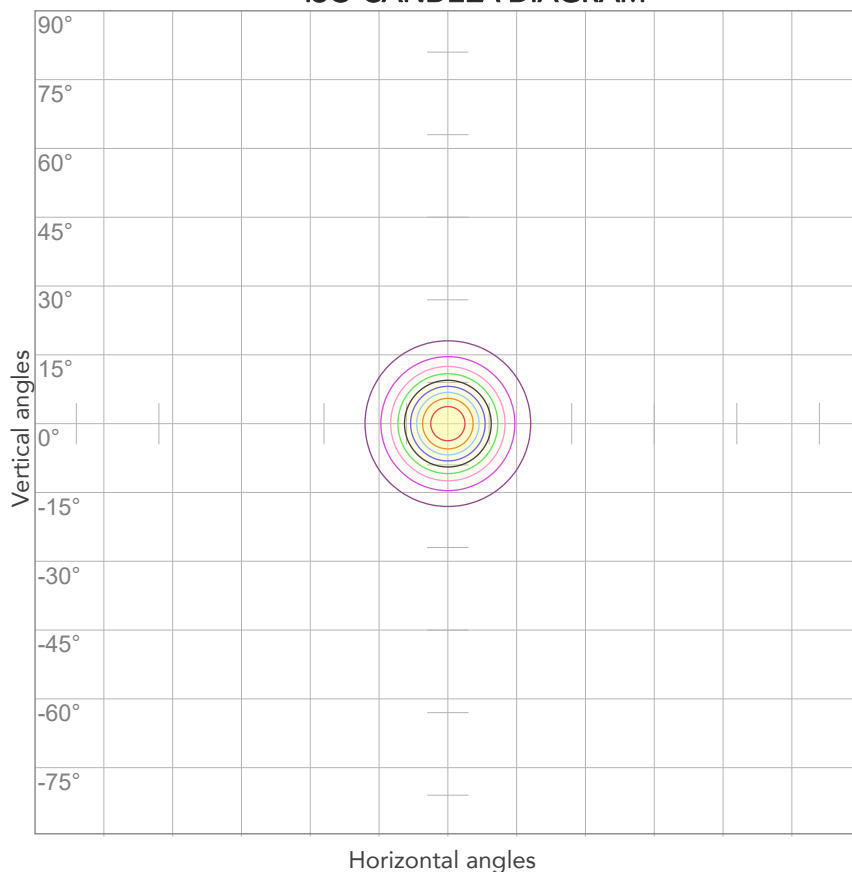


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,782A	170,4W	0,96	60lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



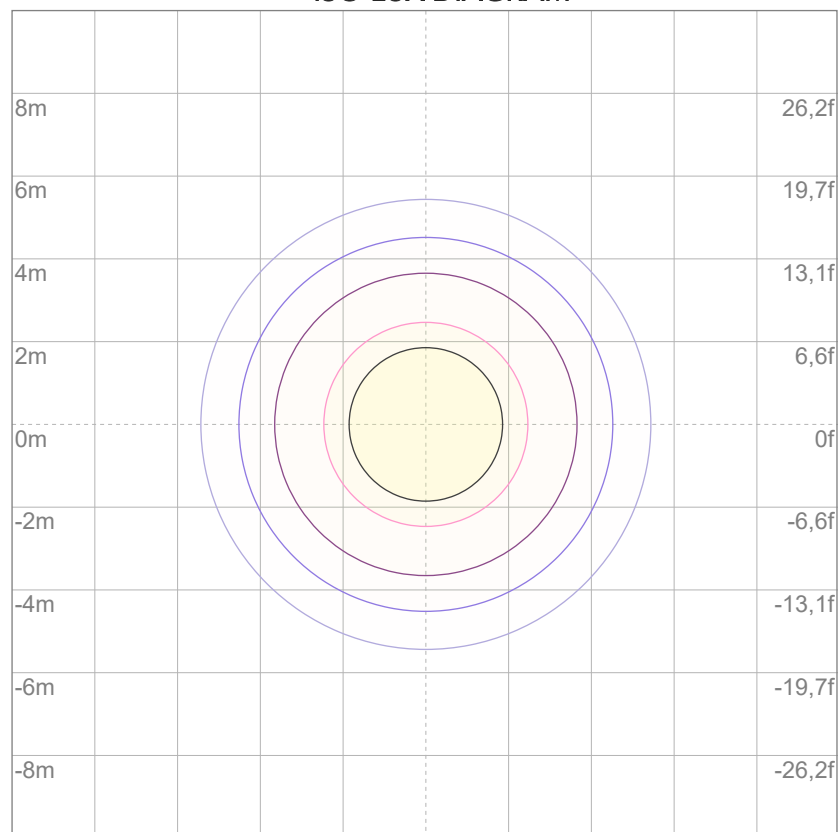
10%	5118 cd
20%	10236 cd
30%	15354 cd
40%	20472 cd
50%	25590 cd
60%	30708 cd
70%	35826 cd
80%	40943 cd

Conditions:

Number of c-planes: 2

Candela at center: 51179 cd

ISO LUX DIAGRAM



3%	15,4 lx
5%	25,6 lx
10%	51,2 lx
30%	154 lx
50%	256 lx

Conditions:

Number of c-planes: 2

Lux at center: 512 lx

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



Total lumen output:

9807 lm

Peak candela output:

18922 cd

Light quality:

CRI: 95,6

Color temperature:

2859 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

40°

Target:

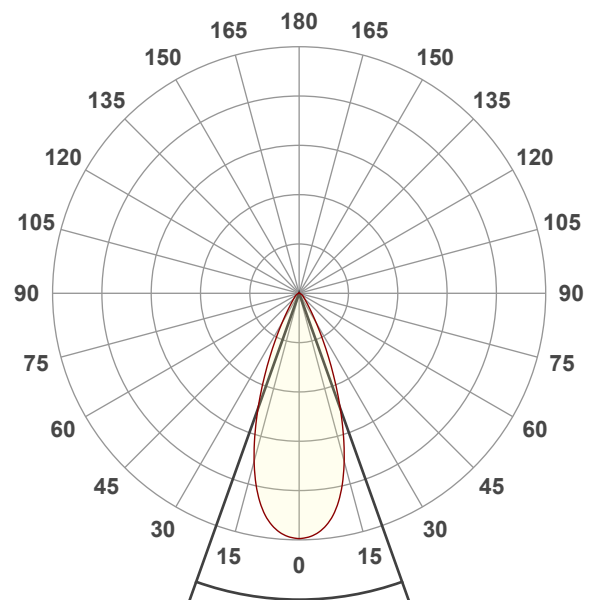
2800K

Operator:

Salvatore Giglio

Date and time:

22/01/2024 16:29:56

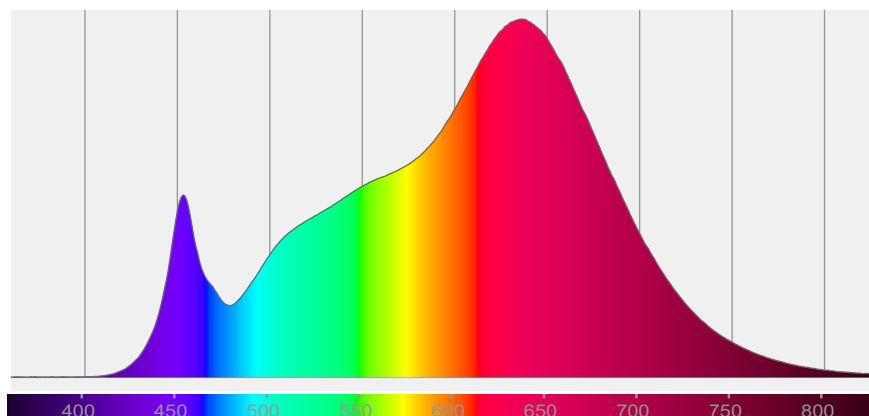


Beam angle 50%: 39,3°

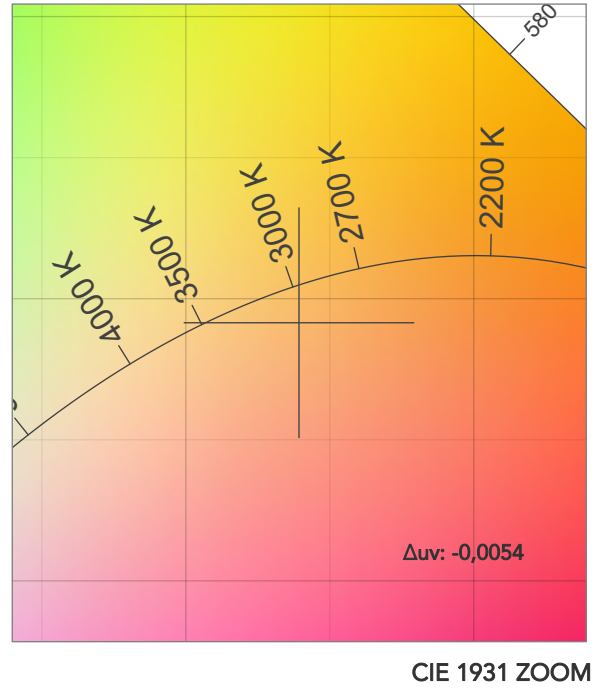
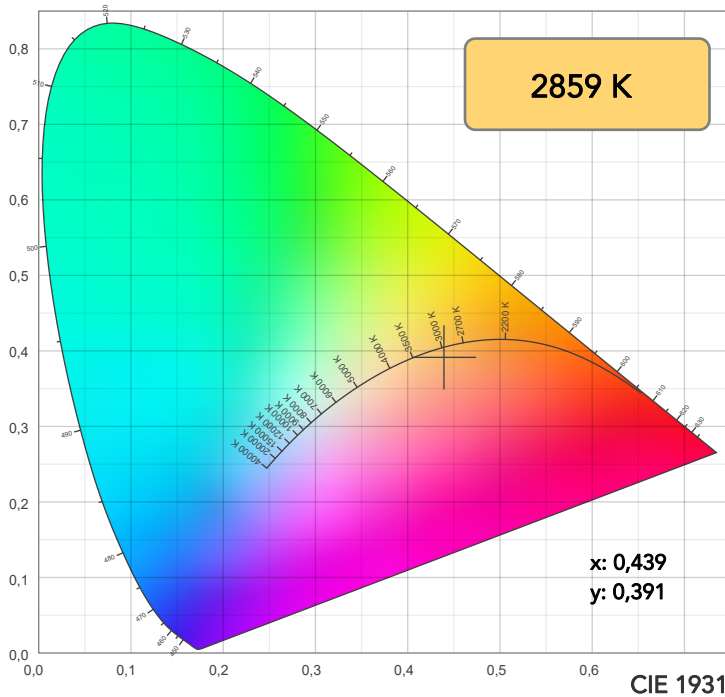
Field angle 10%: 65°

Cut off angle 2.5%: 97,6°

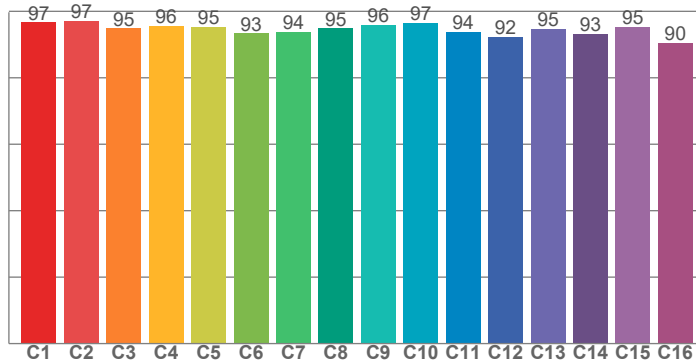
Spectra



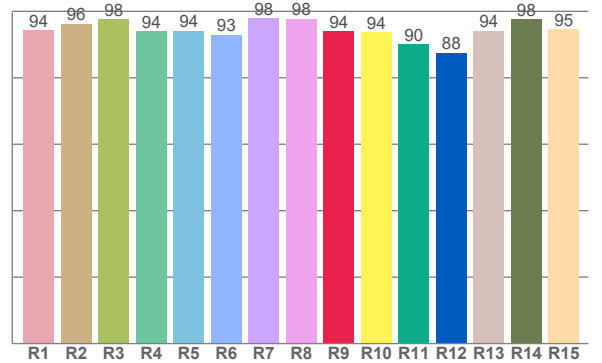
COLOR DETAILS



TM30: 94,9



CRI: 95,6 (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
94,3	96,2	97,7	94,0	94,2	93,0	97,9	97,7	94,0	93,8	90,1	87,6	94,1	97,6	94,7

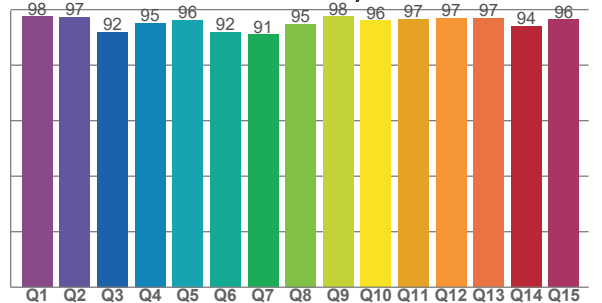
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,7	97,2	94,9	95,6	95,3	93,4	93,8	94,8	96,0	96,6	93,8	92,3	94,7	93,1	95,3	90,4

CQS Q values

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

CQS: 94,7



COLOR PARAMETERS

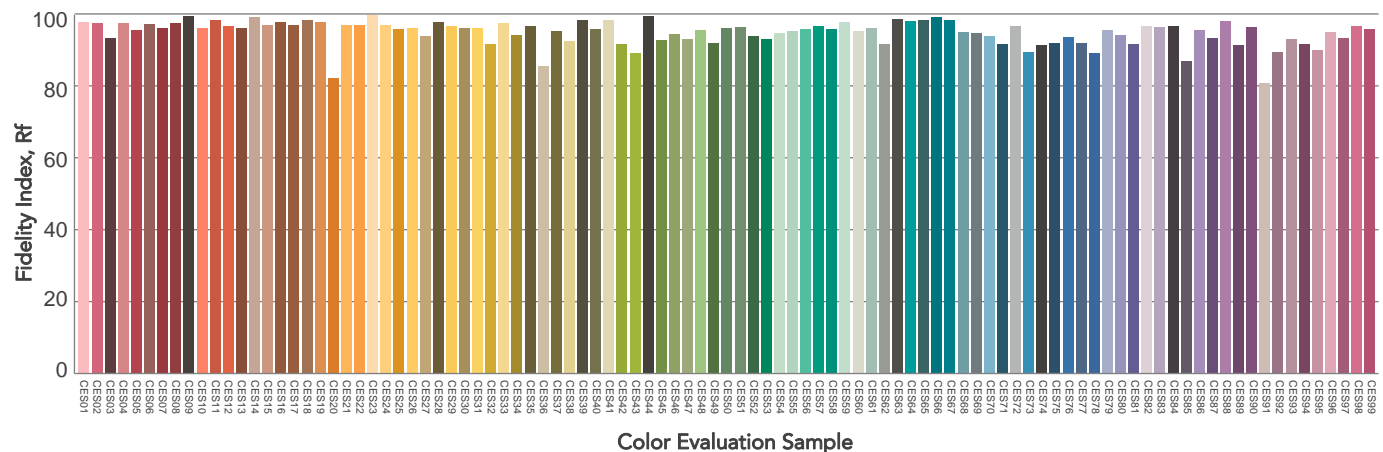
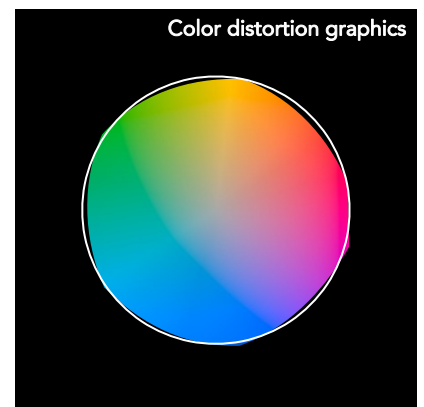
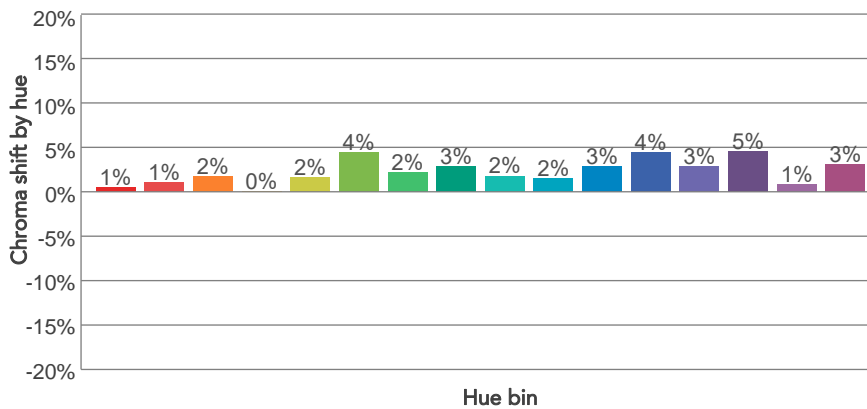
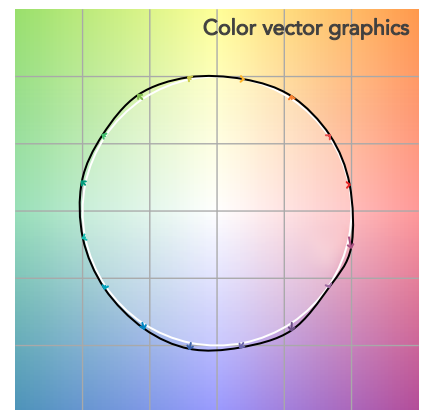
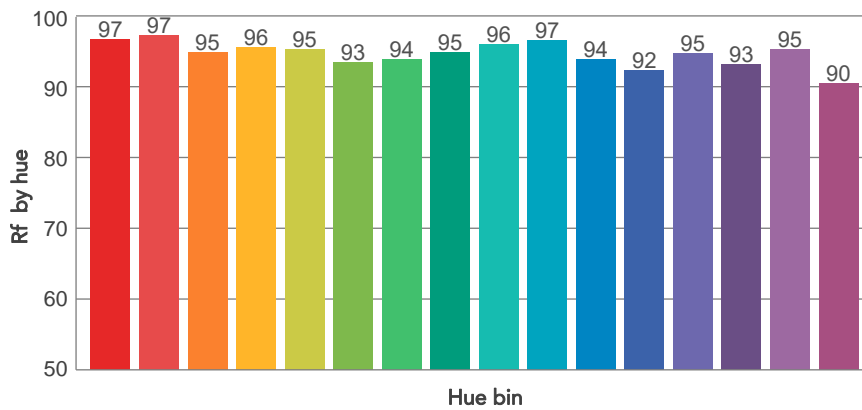
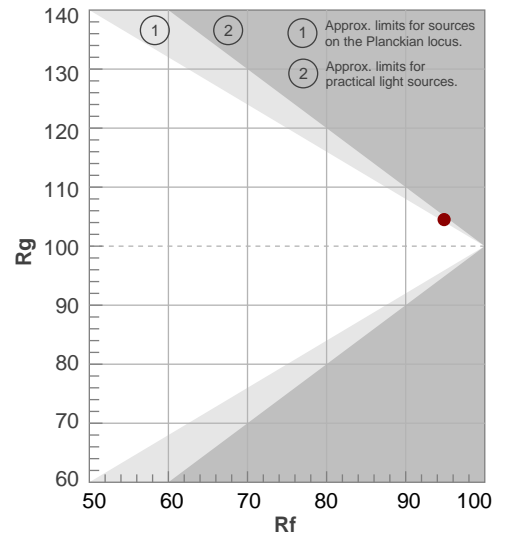
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2859 K	95,6	94,0	94,9	104,5	94,7	96	0,439	0,391	-0,0054

TM30 DETAILS

Rf 94,9
Fidelity index Rf

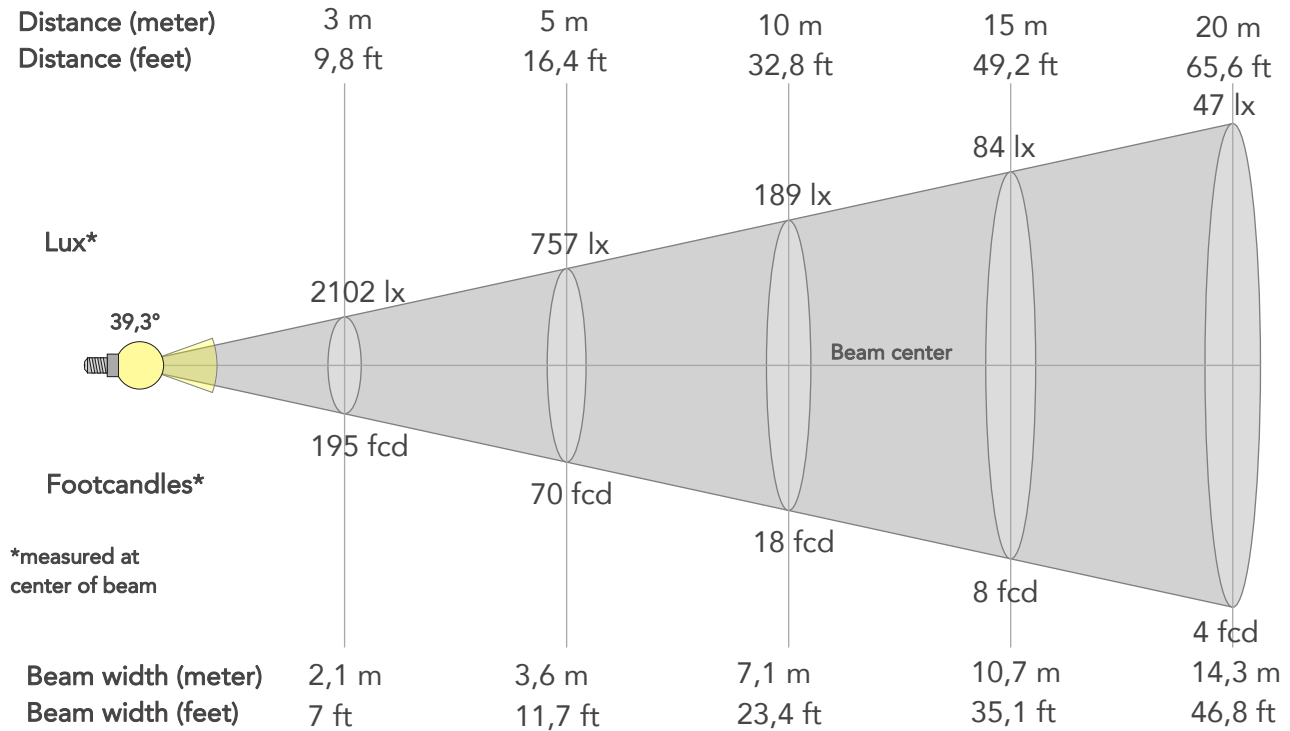
Rg 104,5
Gammut index

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



BEAM DETAILS

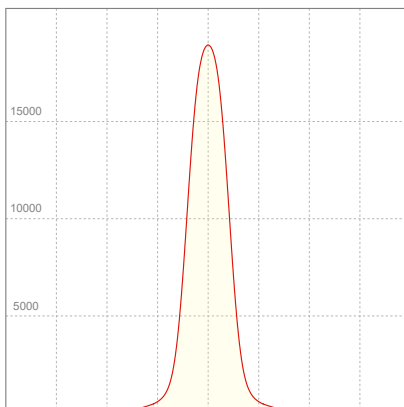
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,3°	65°	97,6°	96,7%	91,4%



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	18922lx	4731lx	2102lx	1183lx	757lx	336lx	189lx	84lx	47lx	30lx	21lx	12lx	8lx
Footcand.	1758fcd	439fcd	195fcd	110fcd	70fcd	31fcd	18fcd	8fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,7m	1,4m	2,1m	2,9m	3,6m	5,4m	7,1m	10,7m	14,3m	17,8m	21,4m	28,6m	35,7m
Beam wid.	2,4ft	4,7ft	7ft	9,4ft	11,7ft	17,6ft	23,4ft	35,1ft	46,8ft	58,5ft	70,2ft	93,7ft	117,1ft

LINEAR DISTRIBUTION DIAGRAM

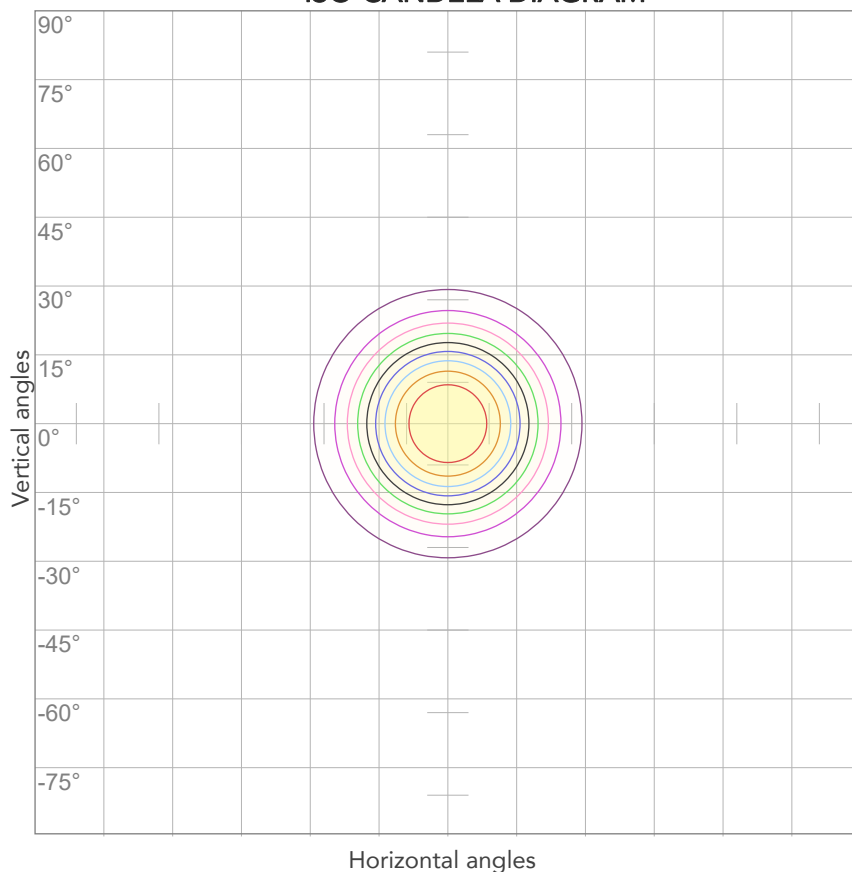


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,778A	168,9W	0,96	58lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



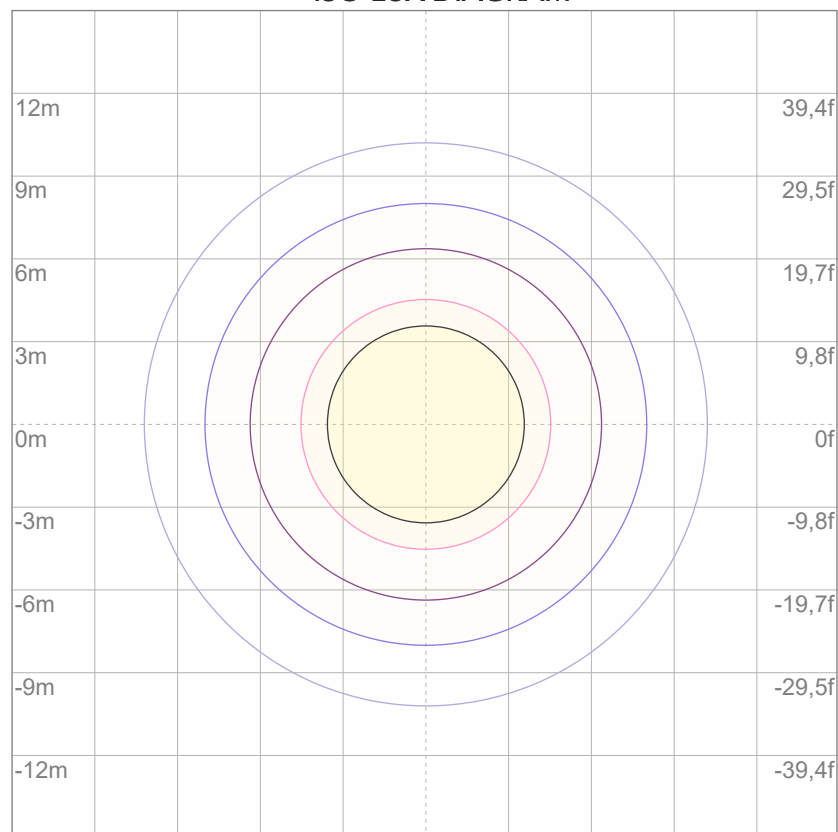
10%	1892 cd
20%	3784 cd
30%	5677 cd
40%	7569 cd
50%	9461 cd
60%	11353 cd
70%	13245 cd
80%	15138 cd

Conditions:

Number of c-planes: 2

Candela at center: 18922 cd

ISO LUX DIAGRAM



3%	5,68 lx
5%	9,46 lx
10%	18,9 lx
30%	56,8 lx
50%	94,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 189 lx

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



Total lumen output:

8940 lm

Peak candela output:

9506 cd

Light quality:

CRI: 95,5

Color temperature:

2864 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

60°

Target:

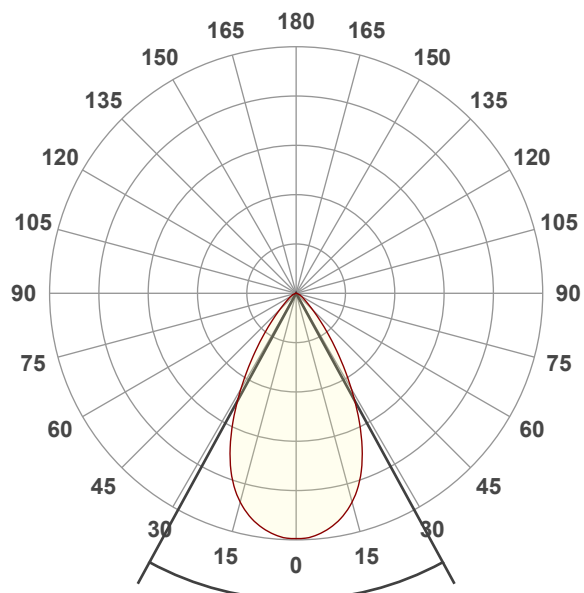
2800K

Operator:

Salvatore Giglio

Date and time:

22/01/2024 17:21:40

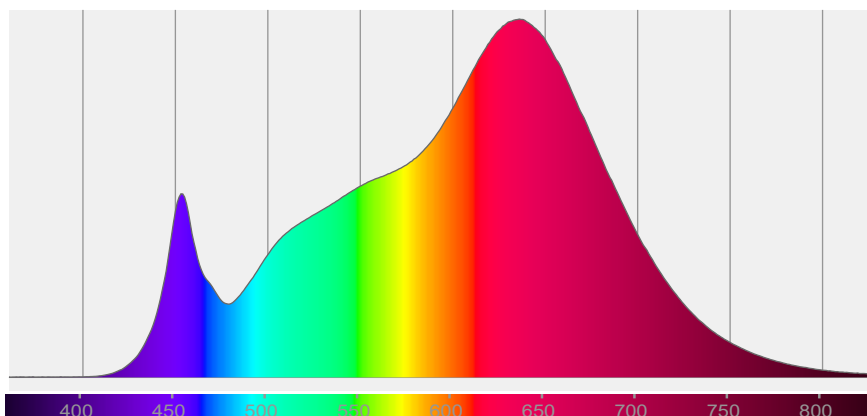


Beam angle 50%: 57,2°

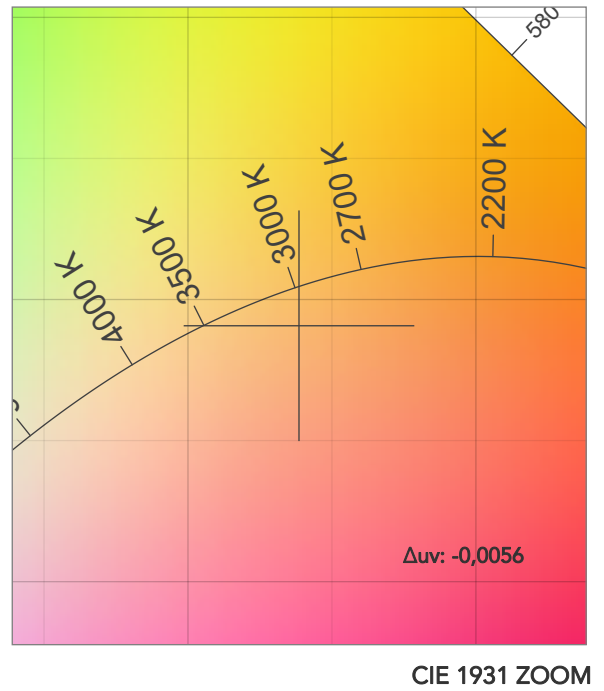
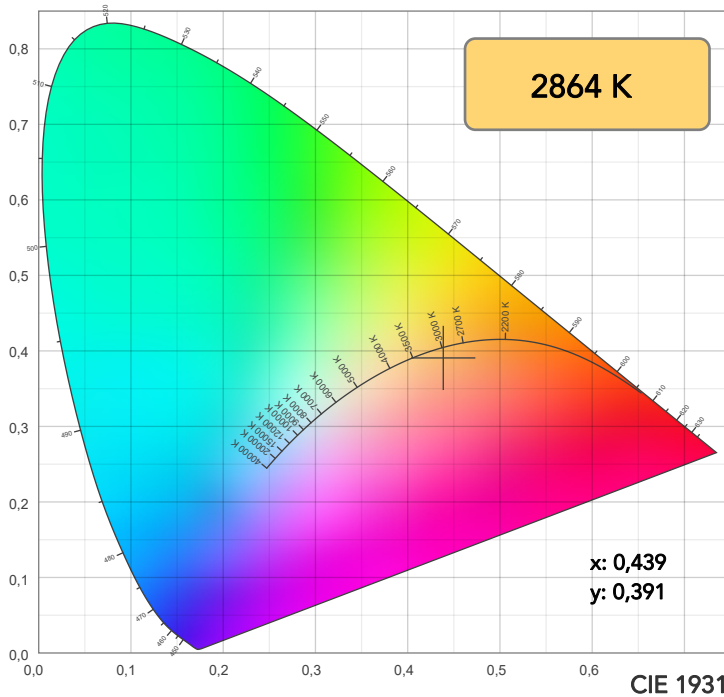
Field angle 10%: 89,3°

Cut off angle 2.5%: 119,6°

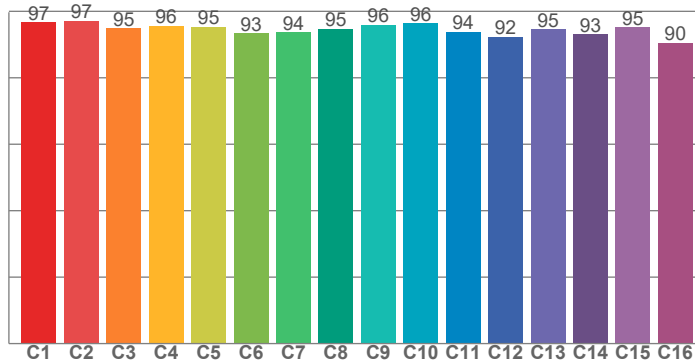
Spectra



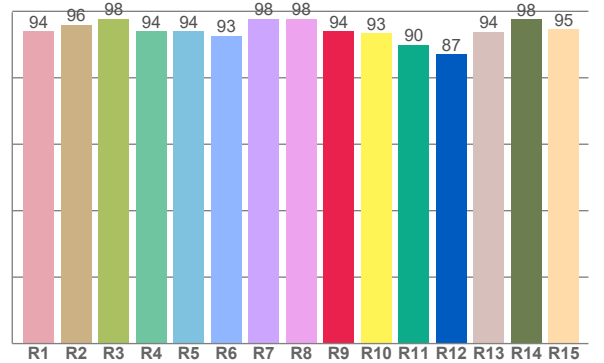
COLOR DETAILS



TM30: 94,8



CRI: 95,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,0	96,0	97,8	93,9	94,0	92,6	97,8	97,8	93,9	93,3	89,9	87,2	93,9	97,7	94,5

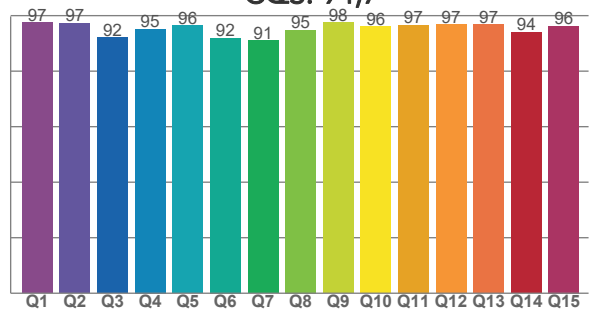
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,6	97,1	94,8	95,6	95,3	93,4	93,7	94,8	95,9	96,4	93,8	92,2	94,6	93,1	95,2	90,4

CQS Q values

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

CQS: 94,7



COLOR PARAMETERS

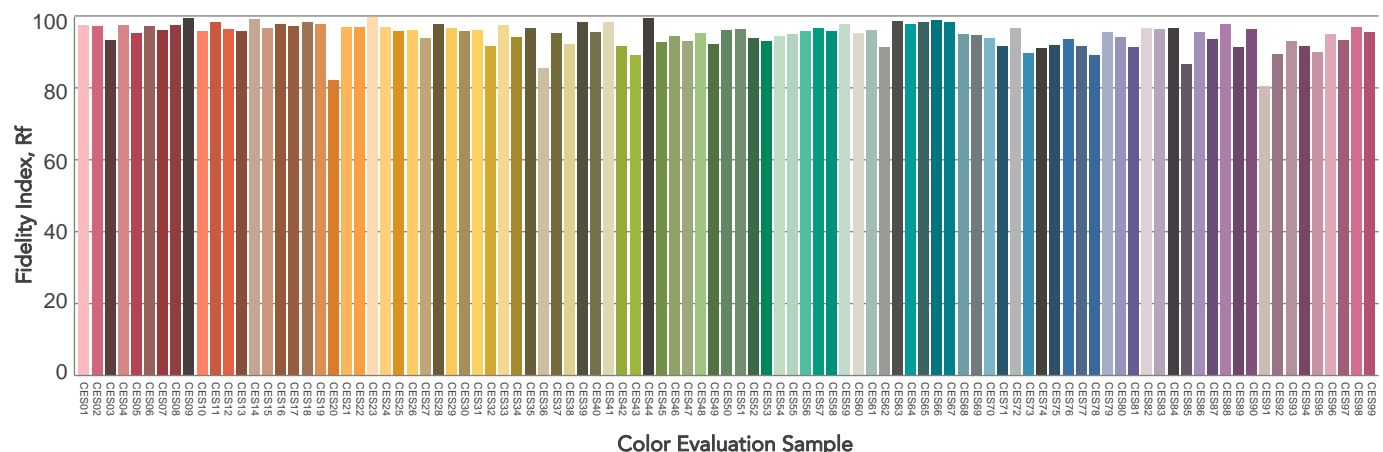
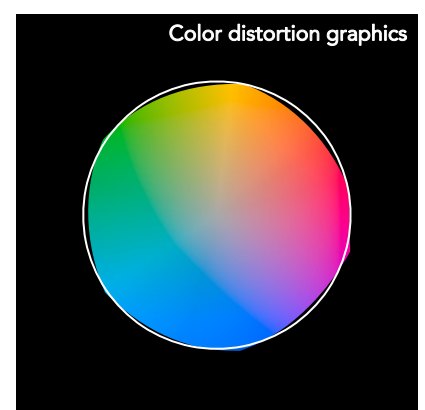
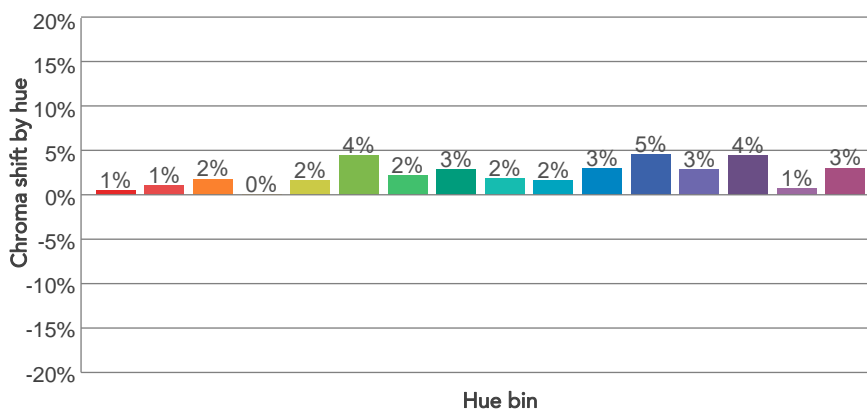
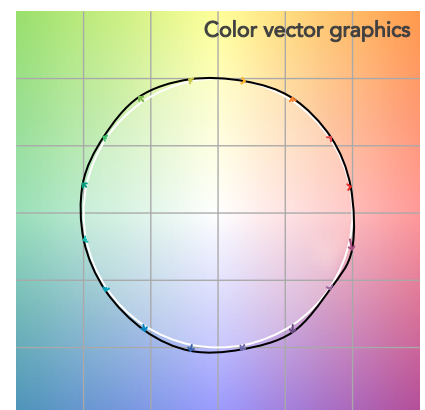
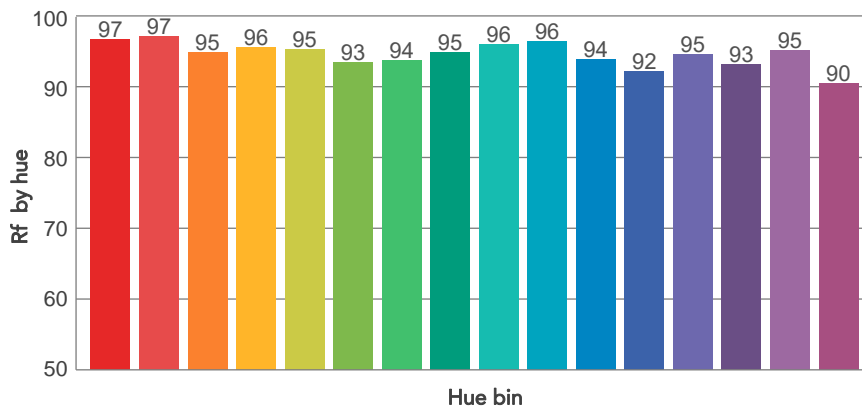
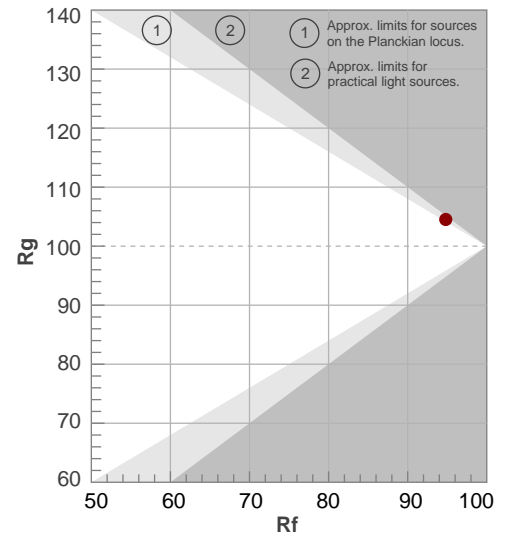
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2864 K	95,5	93,9	94,8	104,5	94,7	96	0,439	0,391	-0,0056

TM30 DETAILS

Rf 94,8
Fidelity index Rf

Rg 104,5
Gammut index

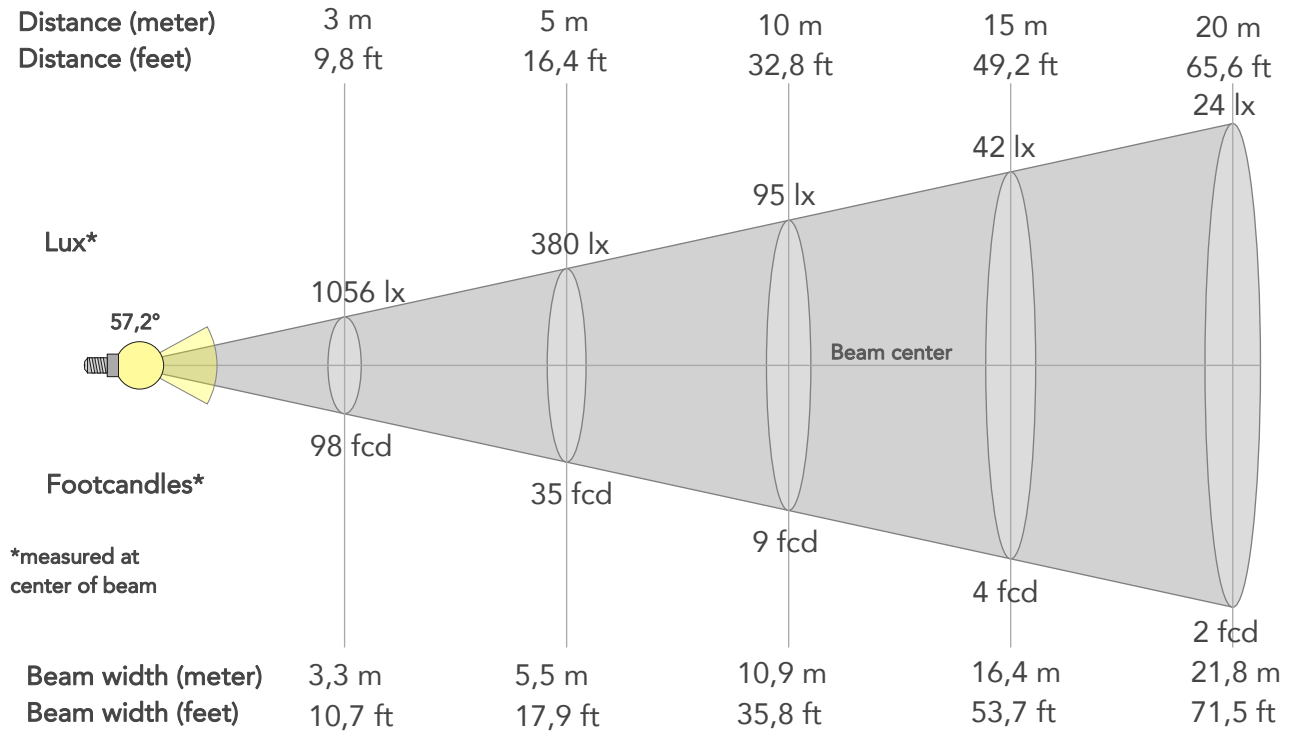
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	0%
2	97	1%	0%
3	95	2%	1%
4	96	0%	0%
5	95	2%	2%
6	93	4%	1%
7	94	2%	0%
8	95	3%	-2%
9	96	2%	0%
10	96	2%	2%
11	94	3%	3%
12	92	5%	0%
13	95	3%	-3%
14	93	4%	-3%
15	95	1%	-1%
16	90	3%	-7%



BEAM DETAILS



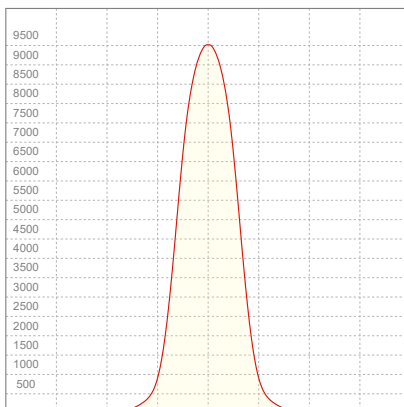
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,2°	89,3°	119,6°	97,5%	90,8%



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	9506lx	2377lx	1056lx	594lx	380lx	169lx	95lx	42lx	24lx	15lx	11lx	6lx	4lx
Footcand.	883fcd	221fcd	98fcd	55fcd	35fcd	16fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,2m	10,9m	16,4m	21,8m	27,3m	32,7m	43,6m	54,5m
Beam wid.	3,6ft	7,2ft	10,7ft	14,3ft	17,9ft	26,8ft	35,8ft	53,7ft	71,5ft	89,4ft	107,3ft	143,1ft	178,9ft

LINEAR DISTRIBUTION DIAGRAM

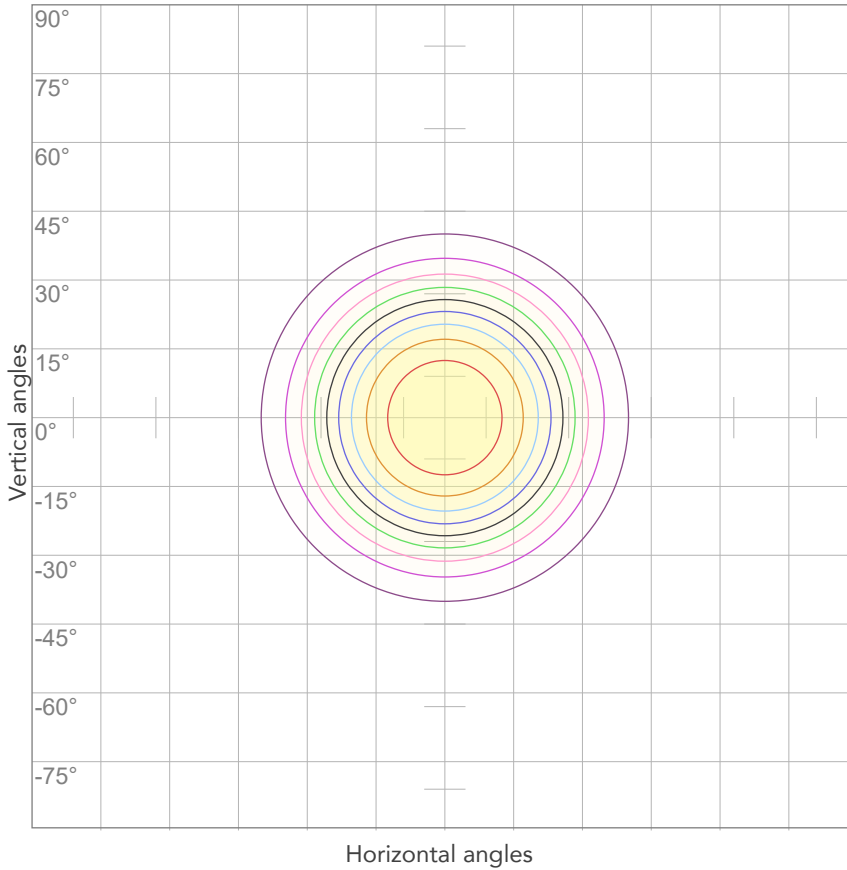


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
223V	0,787A	168,1W	0,96	53lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



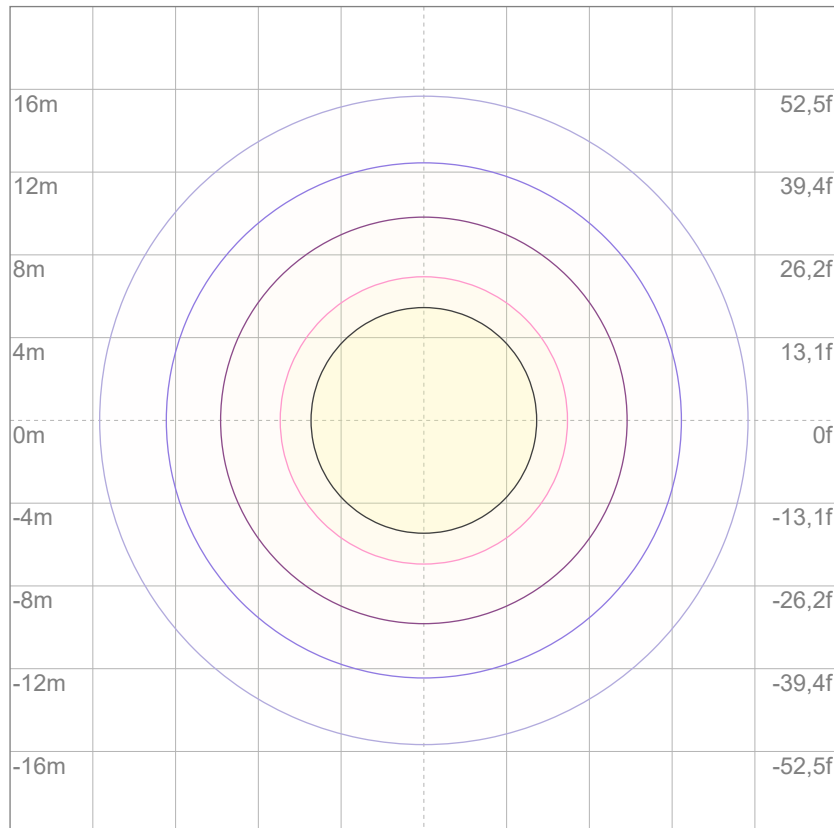
10%	951 cd
20%	1901 cd
30%	2852 cd
40%	3803 cd
50%	4753 cd
60%	5704 cd
70%	6654 cd
80%	7605 cd

Conditions:

Number of c-planes: 2

Candela at center: 9506 cd

ISO LUX DIAGRAM



3%	2,85 lx
5%	4,75 lx
10%	9,51 lx
30%	28,5 lx
50%	47,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 95,1 lx

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



Total lumen output:

12536 lm

Peak candela output:

63369 cd

Light quality:

CRI: 94,8

Color temperature:

3260 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

20°

Target:

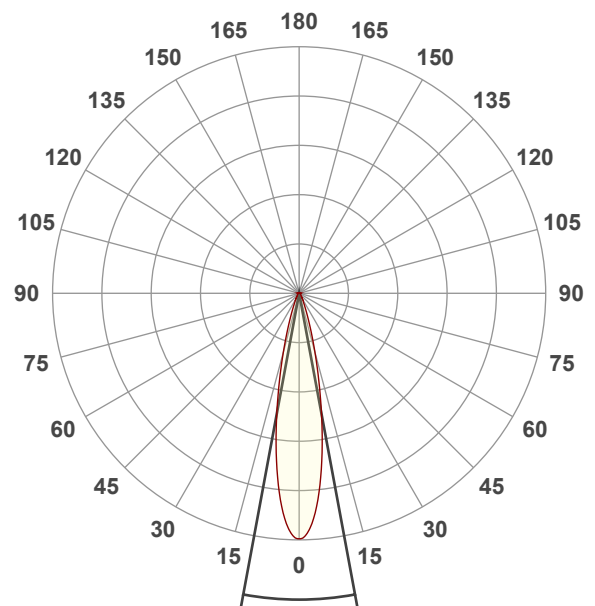
3200K

Operator:

Salvatore Giglio

Date and time:

22/01/2024 15:53:26

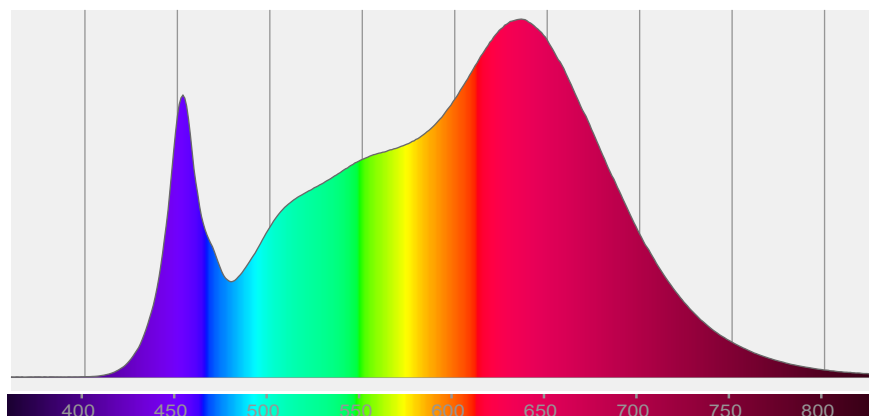


Beam angle 50%: 21°

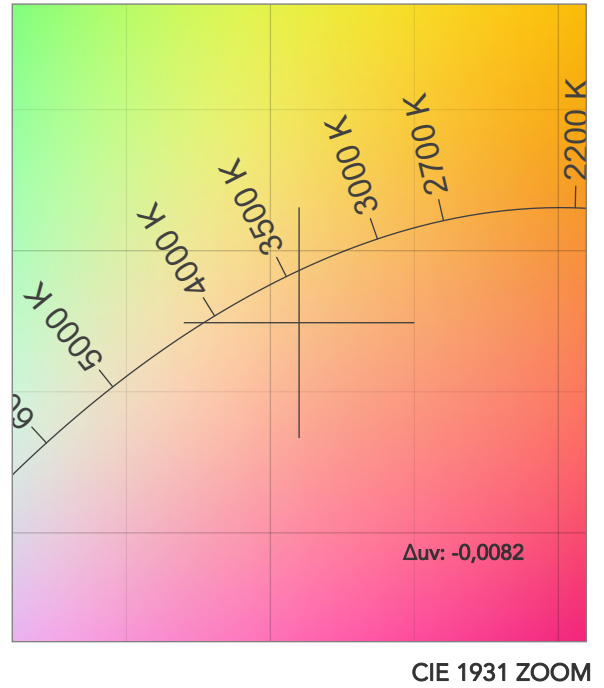
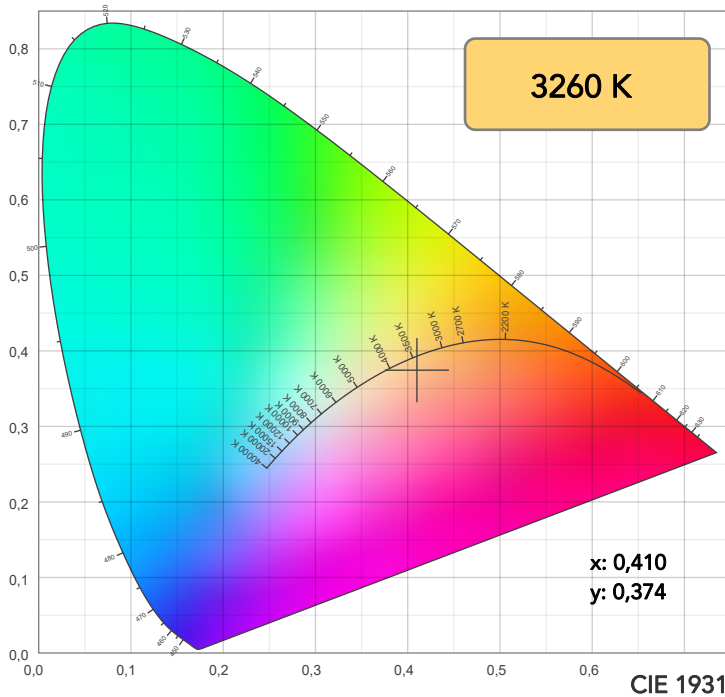
Field angle 10%: 40,2°

Cut off angle 2.5%: 61,1°

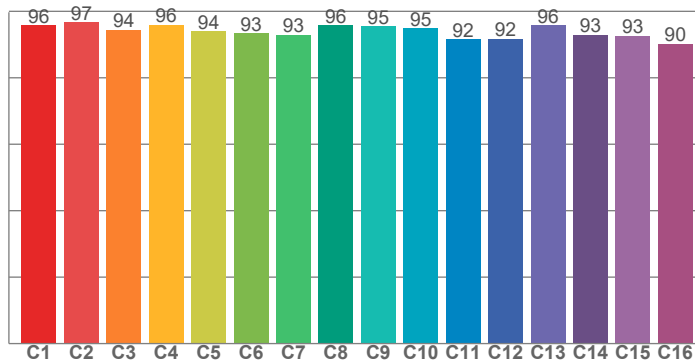
Spectra



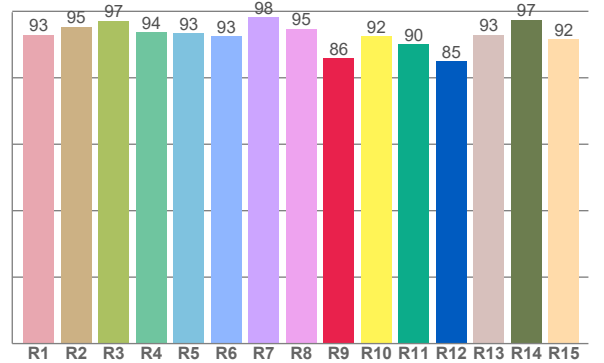
COLOR DETAILS



TM30: 94,2



CRI: 94,8 (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
93,0	95,4	97,1	93,6	93,4	92,6	98,2	94,8	86,0	92,4	90,2	84,9	93,0	97,5	91,5

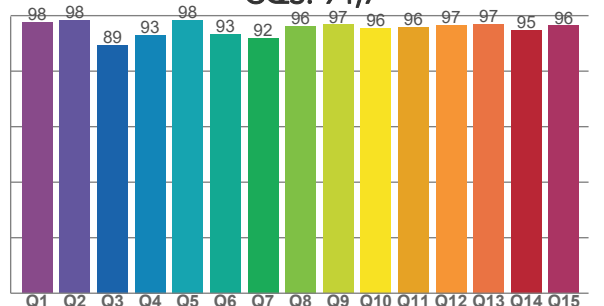
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,6	98,3	89,5	92,9	98,5	93,3	92,0	96,3	96,7	95,5	96,0	96,6	97,0	94,8	96,4

CQS: 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
3260 K	94,8	86,0	94,2	105,2	94,7	97	0,410	0,374	-0,0082

TM30 DETAILS

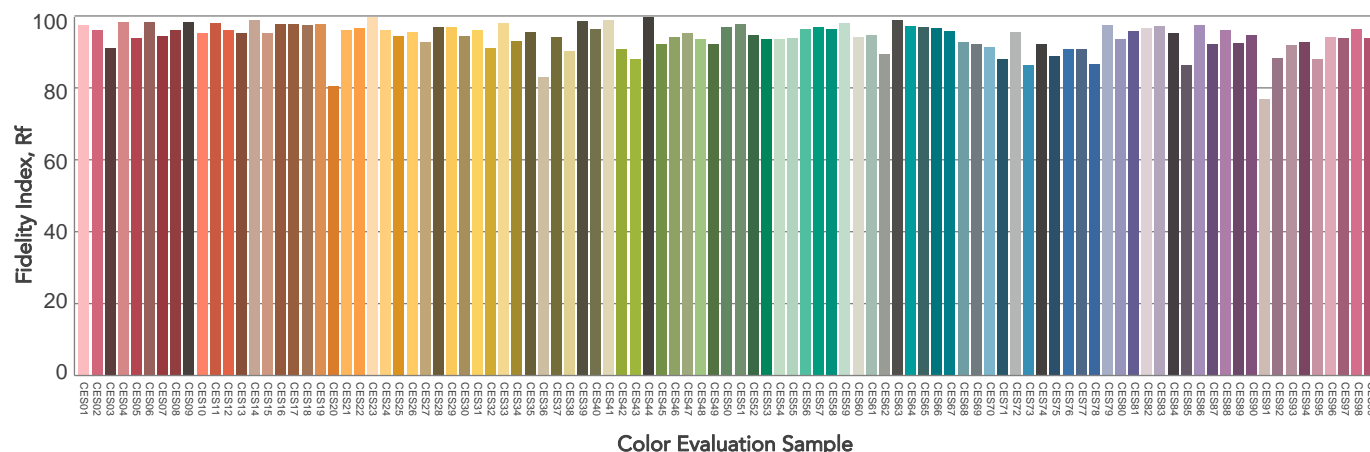
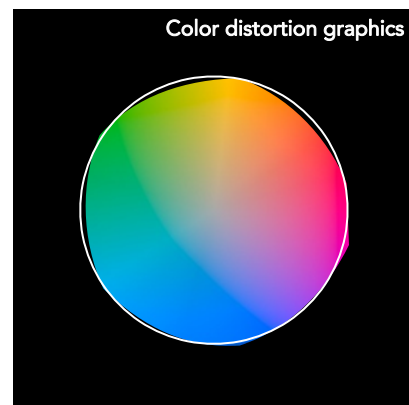
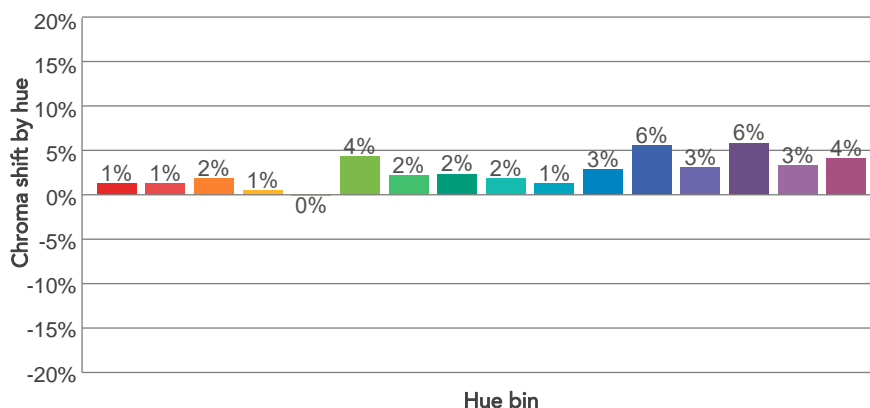
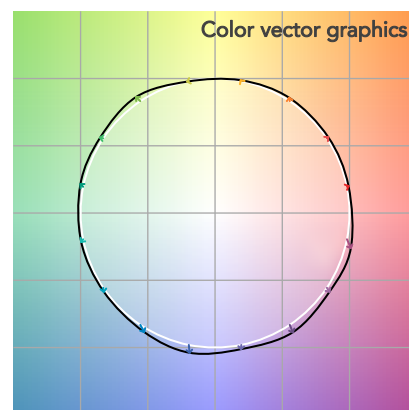
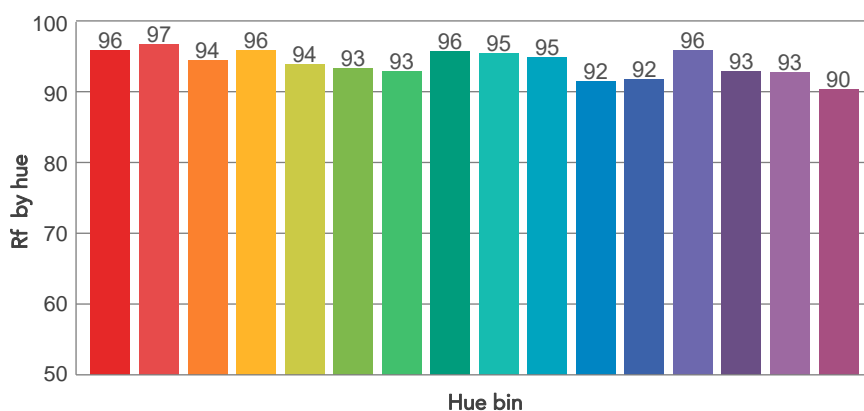
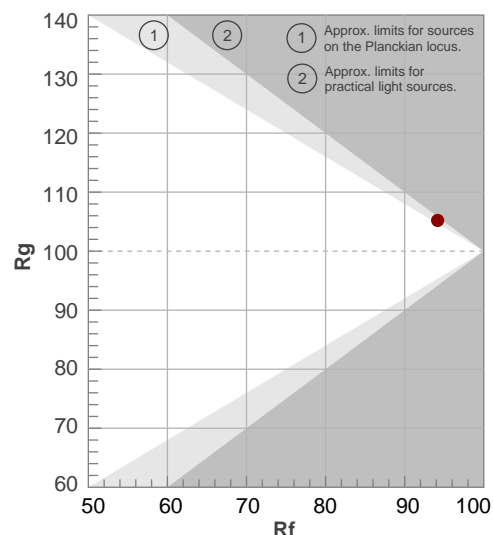
Rf 94,2

Fidelity index Rf

Rg 105,2

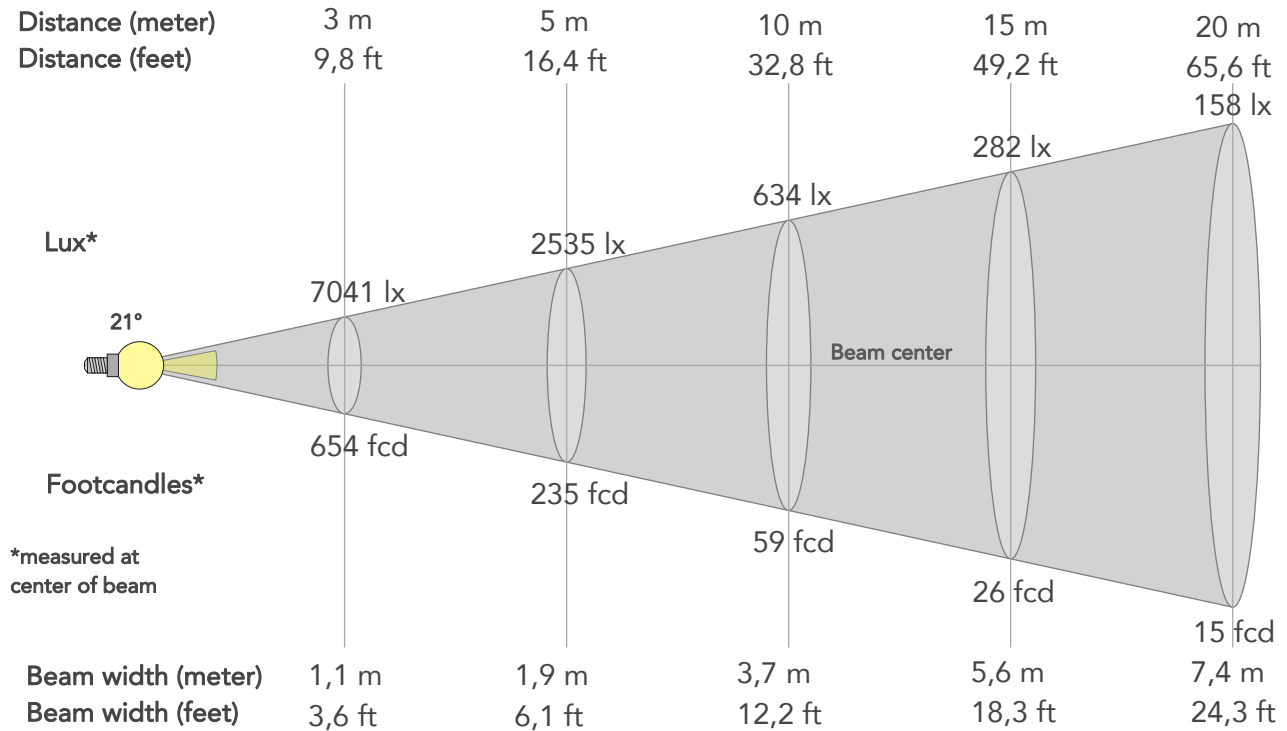
Gammut index

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



BEAM DETAILS

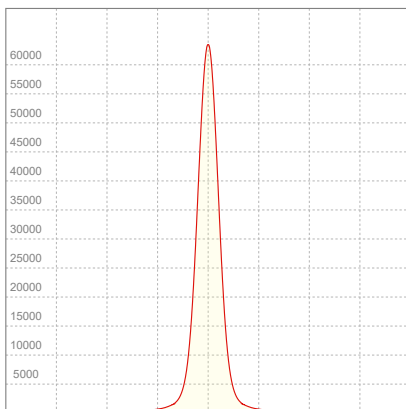
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21°	40,2°	61,1°	96,7%	91,5%



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	63369lx	15842lx	7041lx	3961lx	2535lx	1127lx	634lx	282lx	158lx	101lx	70lx	40lx	25lx
Footcand.	5887fcd	1472fcd	654fcd	368fcd	235fcd	105fcd	59fcd	26fcd	15fcd	9fcd	7fcd	4fcd	2fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,9m	2,8m	3,7m	5,6m	7,4m	9,3m	11,1m	14,8m	18,6m
Beam wid.	1,2ft	2,4ft	3,6ft	4,9ft	6,1ft	9,1ft	12,2ft	18,3ft	24,3ft	30,4ft	36,5ft	48,7ft	60,9ft

LINEAR DISTRIBUTION DIAGRAM

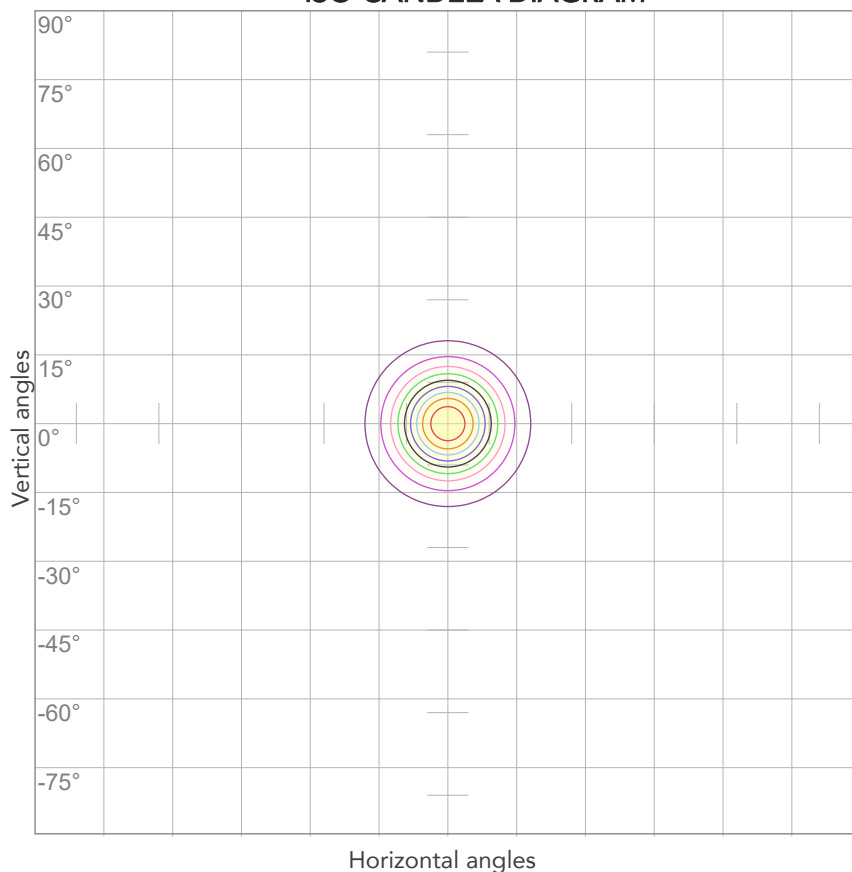


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,917A	201,5W	0,97	62lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



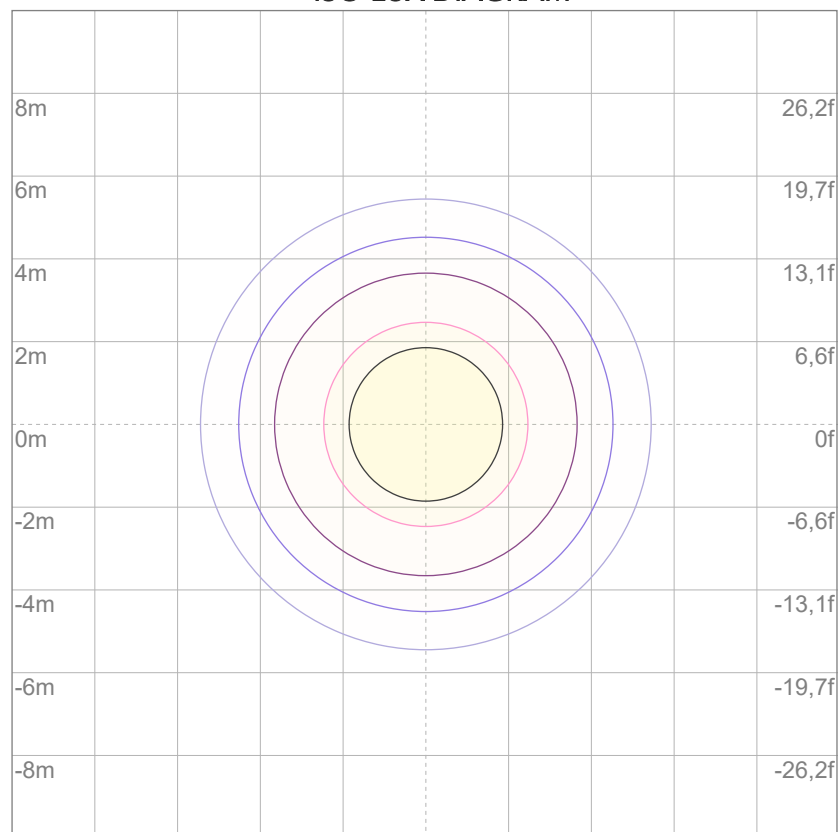
10%	6337 cd
20%	12674 cd
30%	19011 cd
40%	25347 cd
50%	31684 cd
60%	38021 cd
70%	44358 cd
80%	50695 cd

Conditions:

Number of c-planes: 2

Candela at center: 63369 cd

ISO LUX DIAGRAM



3%	19,0 lx
5%	31,7 lx
10%	63,4 lx
30%	190 lx
50%	317 lx

Conditions:

Number of c-planes: 2

Lux at center: 634 lx

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



Total lumen output:

12163 lm

Peak candela output:

23460 cd

Light quality:

CRI: 94,8

Color temperature:

3282 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

40°

Target:

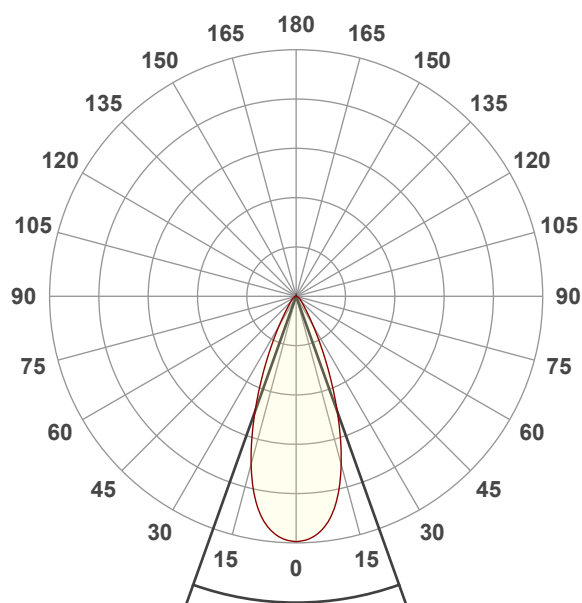
3200K

Operator:

Salvatore Giglio

Date and time:

22/01/2024 16:31:32

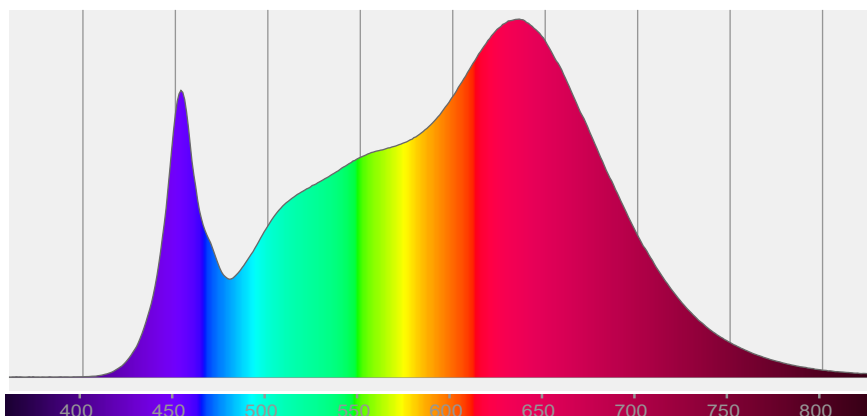


Beam angle 50%: 39,3°

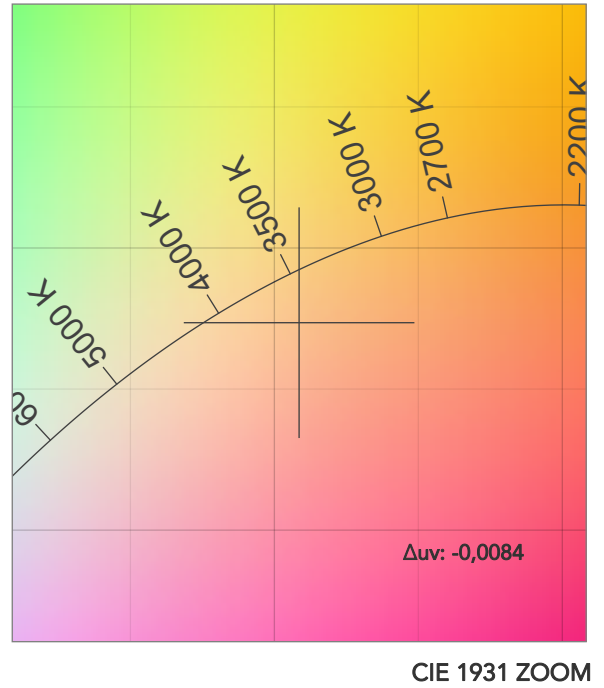
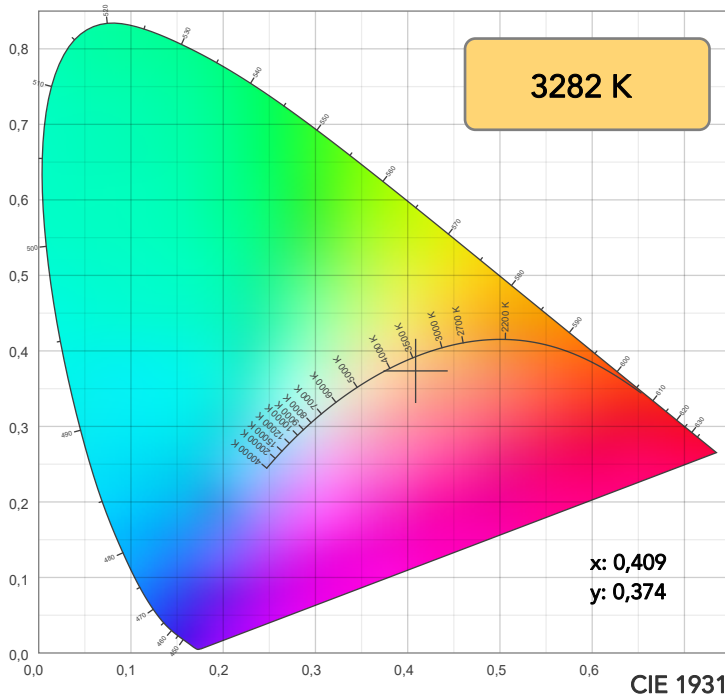
Field angle 10%: 65°

Cut off angle 2.5%: 97,6°

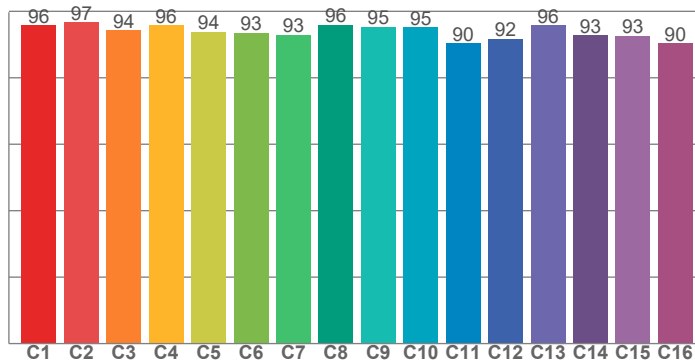
Spectra



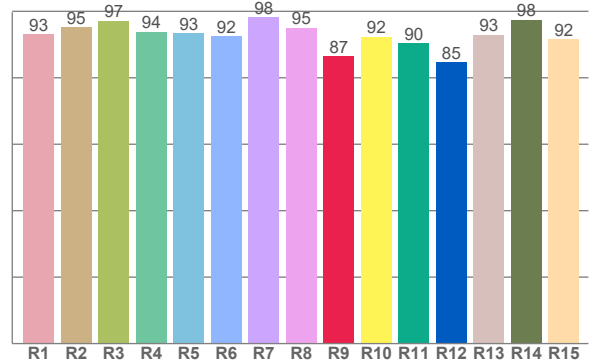
COLOR DETAILS



TM30: 94,1



CRI: 94,8 (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
93,0	95,3	97,2	93,8	93,5	92,5	98,1	95,1	86,5	92,4	90,4	84,7	93,0	97,5	91,6

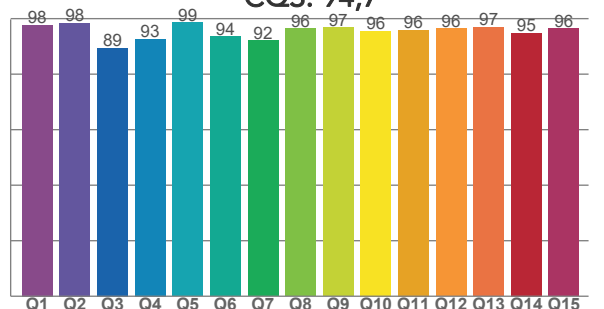
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,8	96,7	94,3	95,8	93,9	93,5	92,8	95,9	95,4	95,1	90,3	91,6	95,7	92,8	92,6	90,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,7	98,4	89,4	92,7	98,6	93,6	92,2	96,4	96,7	95,5	95,9	96,4	96,9	94,8	96,5

CQS: 94,7



COLOR PARAMETERS

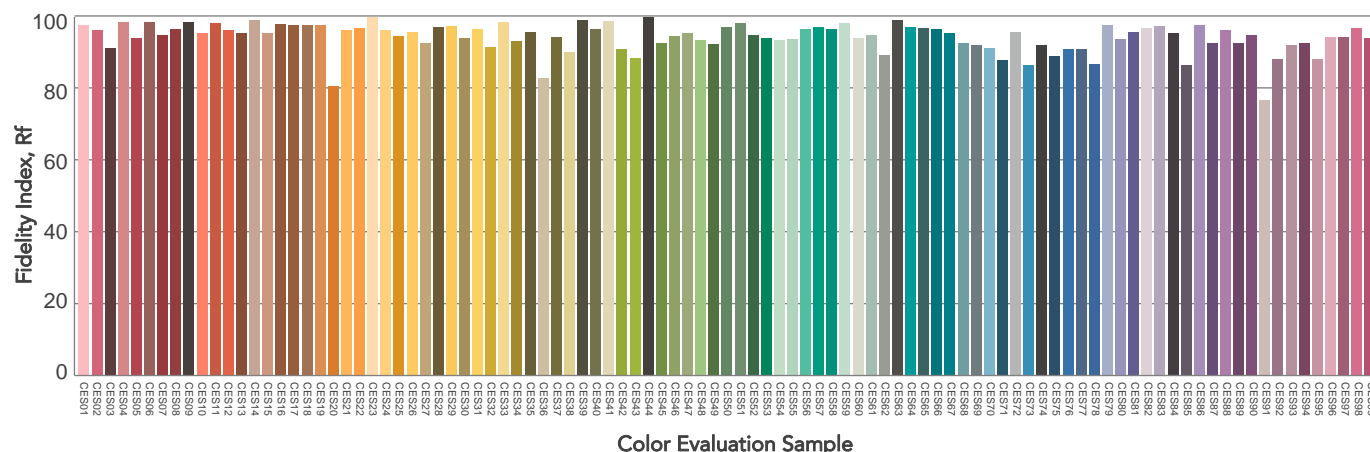
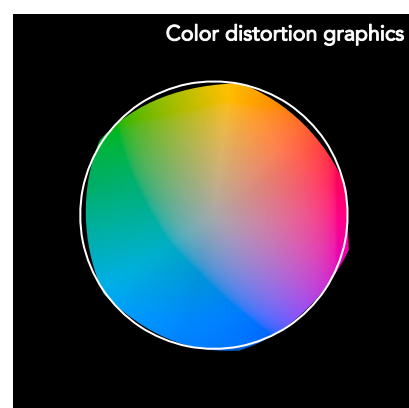
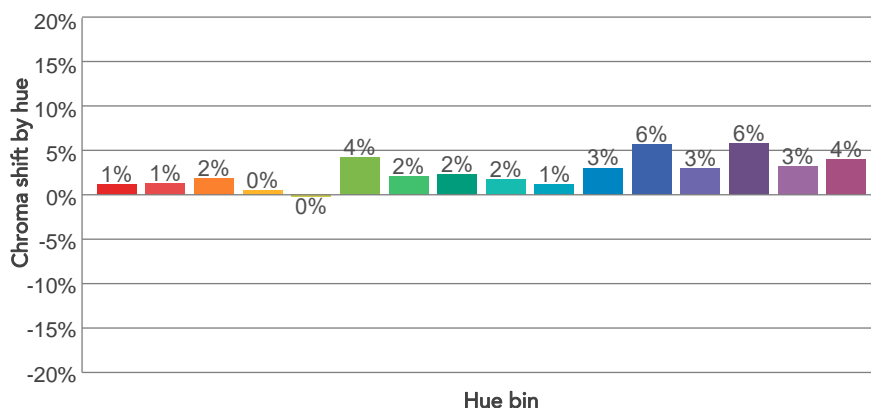
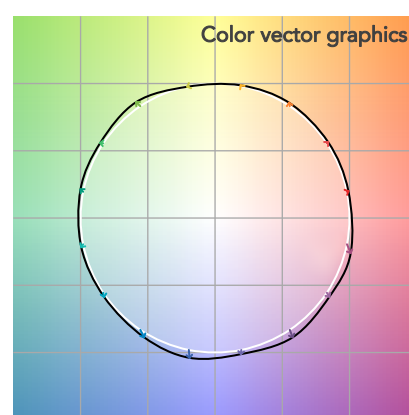
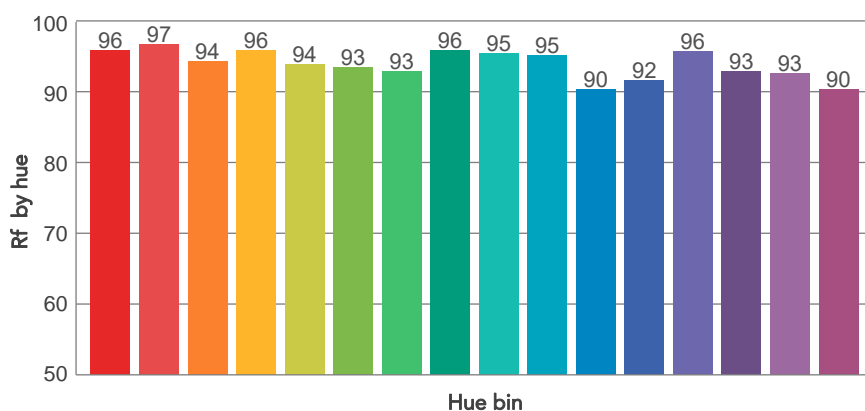
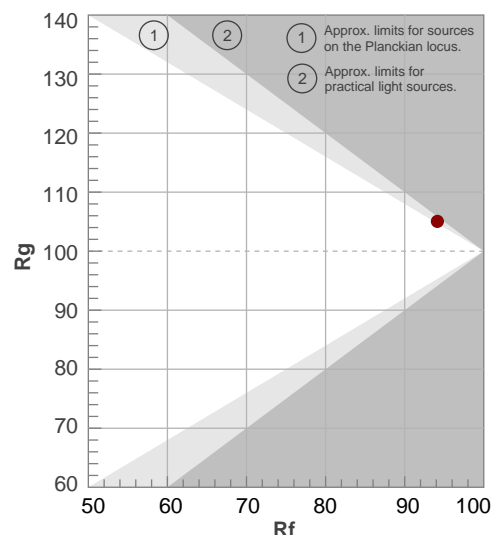
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3282 K	94,8	86,5	94,1	105,0	94,7	97	0,409	0,374	-0,0084

TM30 DETAILS

Rf 94,1
Fidelity index Rf

Rg 105,0
Gammut index

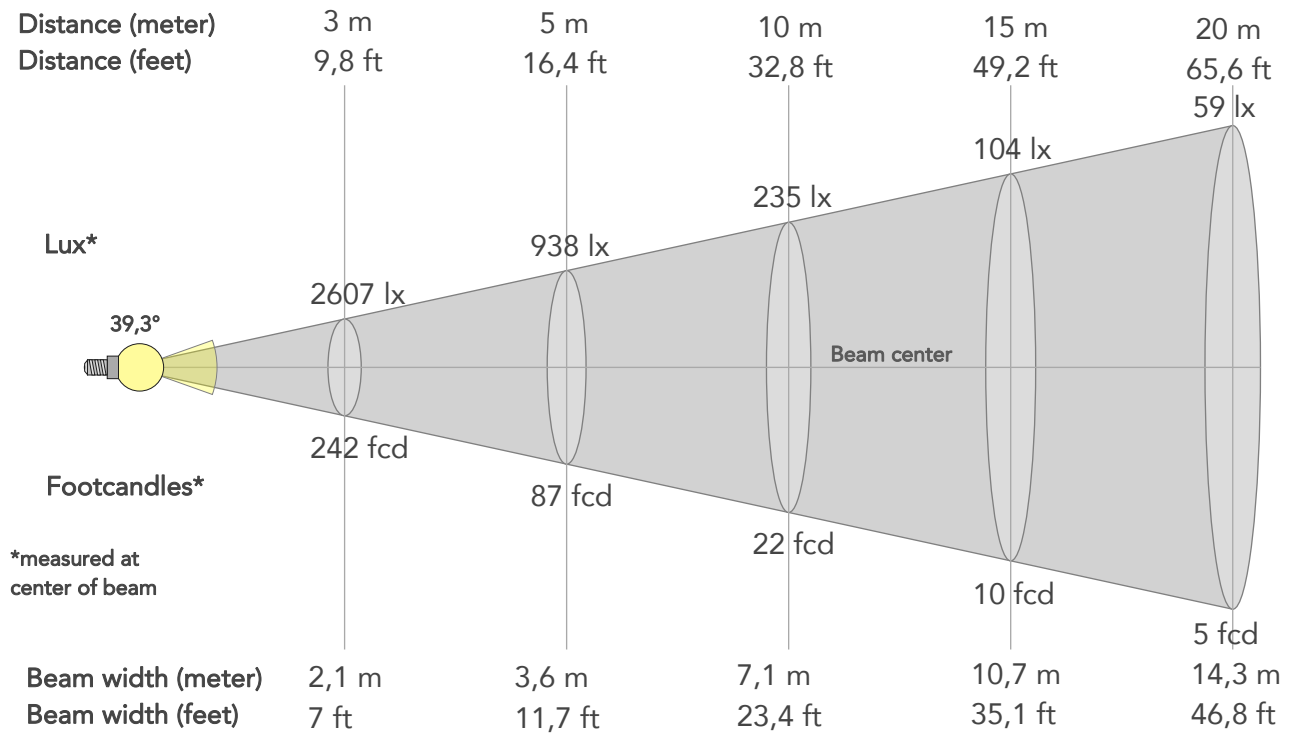
		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	96	1%	0%
2	97	1%	0%
3	94	2%	2%
4	96	0%	1%
5	94	0%	1%
6	93	4%	1%
7	93	2%	1%
8	96	2%	-1%
9	95	2%	2%
10	95	1%	3%
11	90	3%	5%
12	92	6%	2%
13	96	3%	-1%
14	93	6%	-1%
15	93	3%	-1%
16	90	4%	-6%



BEAM DETAILS



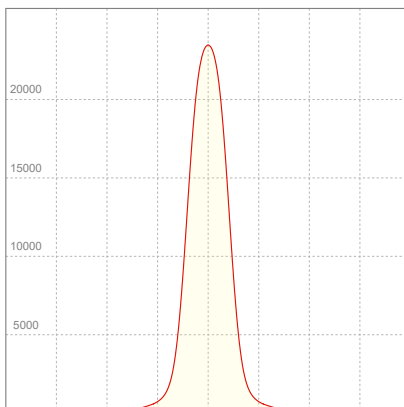
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,3°	65°	97,6°	96,7%	91,4%



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	23460lx	5865lx	2607lx	1466lx	938lx	417lx	235lx	104lx	59lx	38lx	26lx	15lx	9lx
Footcand.	2180fcd	545fcd	242fcd	136fcd	87fcd	39fcd	22fcd	10fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,7m	1,4m	2,1m	2,9m	3,6m	5,4m	7,1m	10,7m	14,3m	17,8m	21,4m	28,6m	35,7m
Beam wid.	2,4ft	4,7ft	7ft	9,4ft	11,7ft	17,6ft	23,4ft	35,1ft	46,8ft	58,5ft	70,2ft	93,7ft	117,1ft

LINEAR DISTRIBUTION DIAGRAM

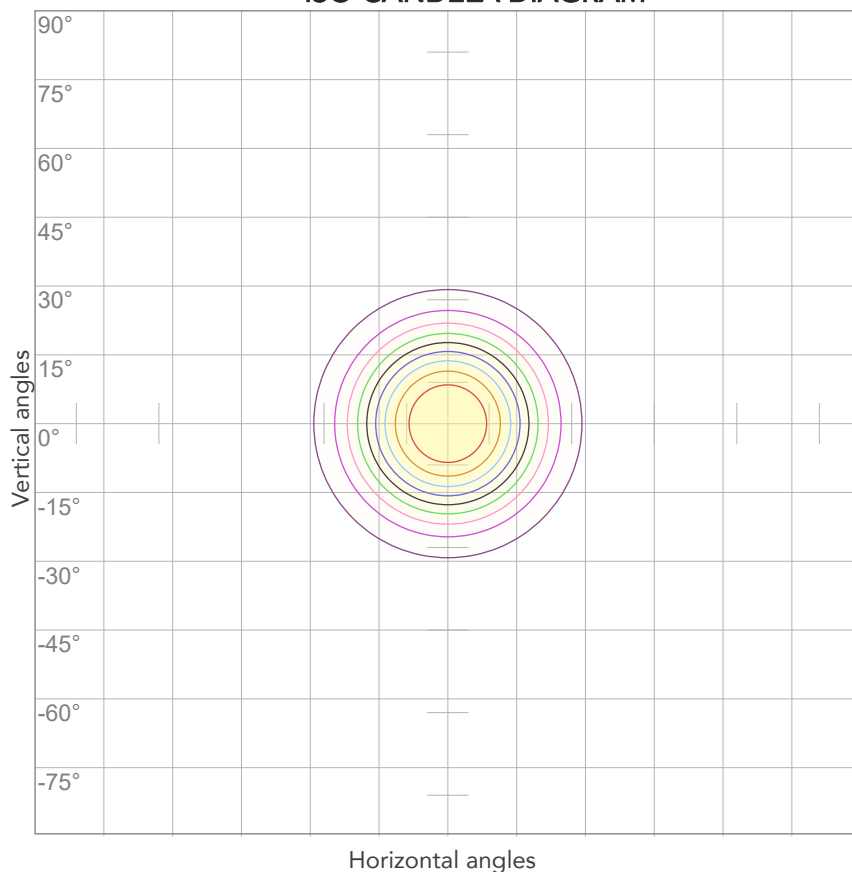


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,916A	200,5W	0,97	61lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



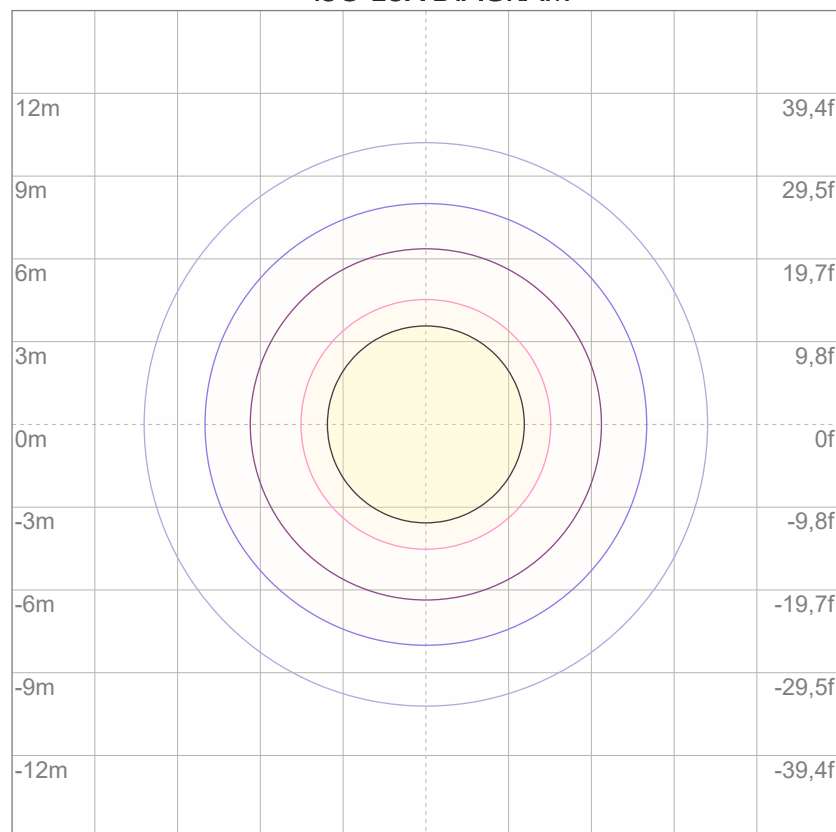
10%	2346 cd
20%	4692 cd
30%	7038 cd
40%	9384 cd
50%	11730 cd
60%	14076 cd
70%	16422 cd
80%	18768 cd

Conditions:

Number of c-planes: 2

Candela at center: 23460 cd

ISO LUX DIAGRAM



3%	7,04 lx
5%	11,7 lx
10%	23,5 lx
30%	70,4 lx
50%	117 lx

Conditions:

Number of c-planes: 2

Lux at center: 235 lx

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



Total lumen output:

11121 lm

Peak candela output:

11815 cd

Light quality:

CRI: 94,7

Color temperature:

3292 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

60°

Target:

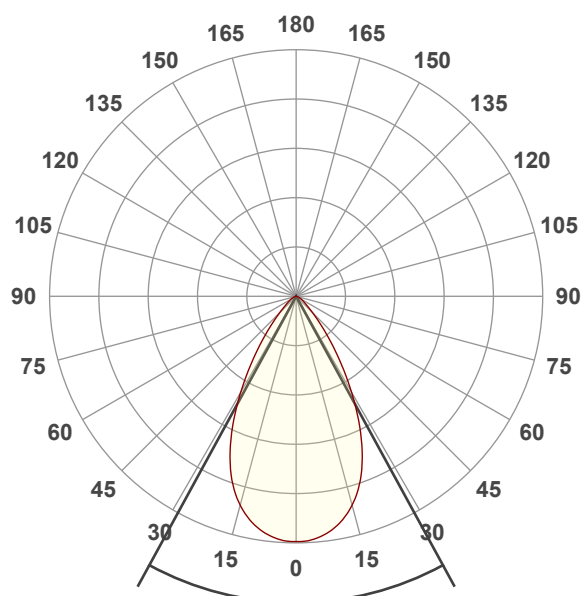
3200K

Operator:

Salvatore Giglio

Date and time:

22/01/2024 17:25:24



Beam angle 50%: 57,3°

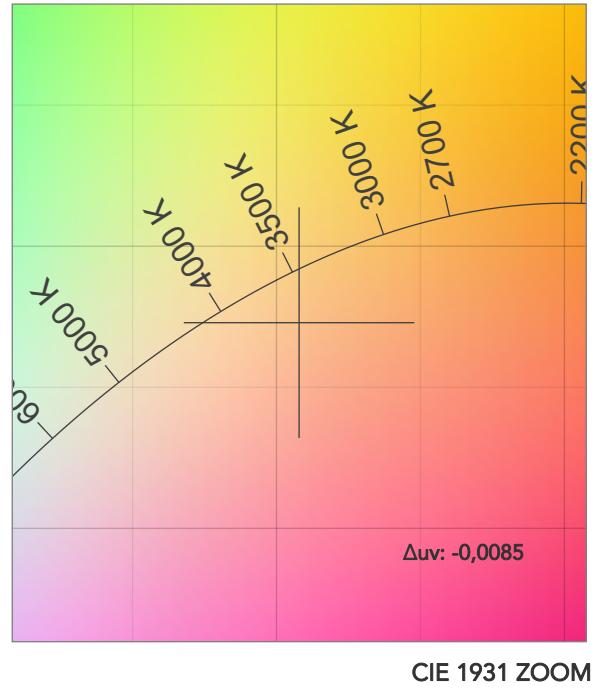
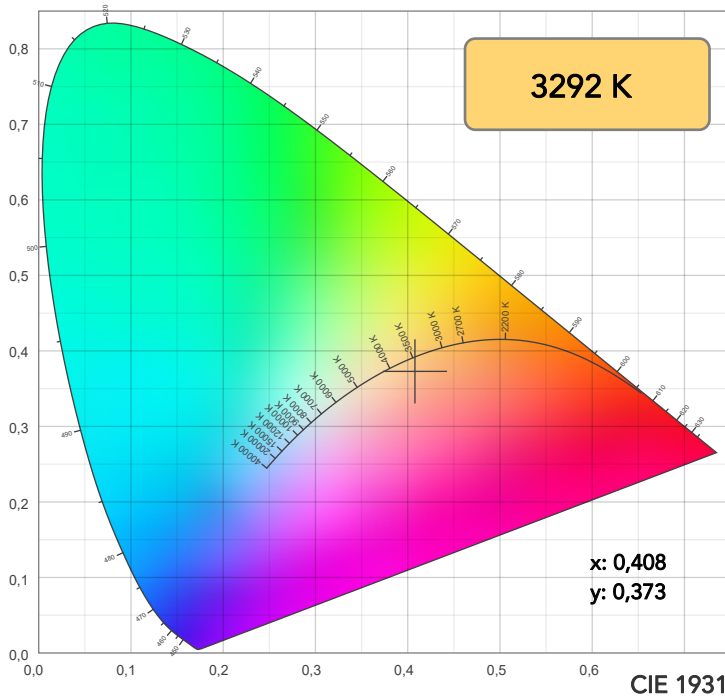
Field angle 10%: 89,4°

Cut off angle 2.5%: 119,7°

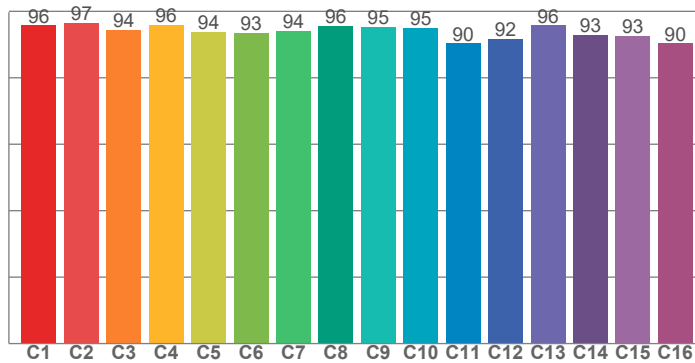
Spectra



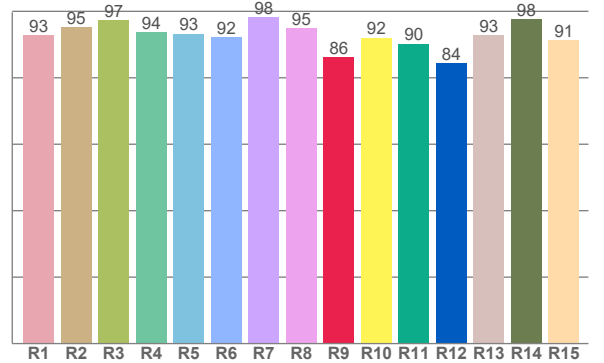
COLOR DETAILS



TM30: 94,1



CRI: 94,7 (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
92,8	95,1	97,2	93,7	93,3	92,3	98,1	95,0	86,2	92,1	90,2	84,5	92,8	97,5	91,4

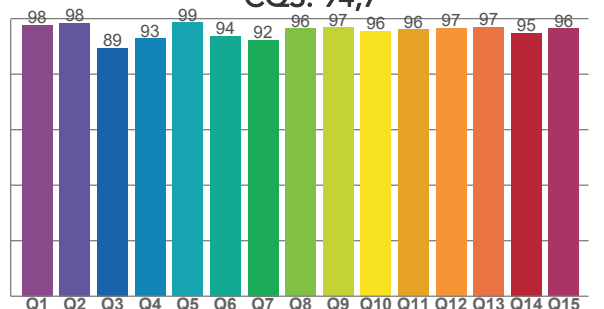
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,7	98,5	89,4	92,8	98,6	93,7	92,3	96,5	96,7	95,6	96,0	96,5	97,0	94,7	96,4

CQS: 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
3292 K	94,7	86,2	94,1	105,1	94,7	97	0,408	0,373	-0,0085

TM30 DETAILS

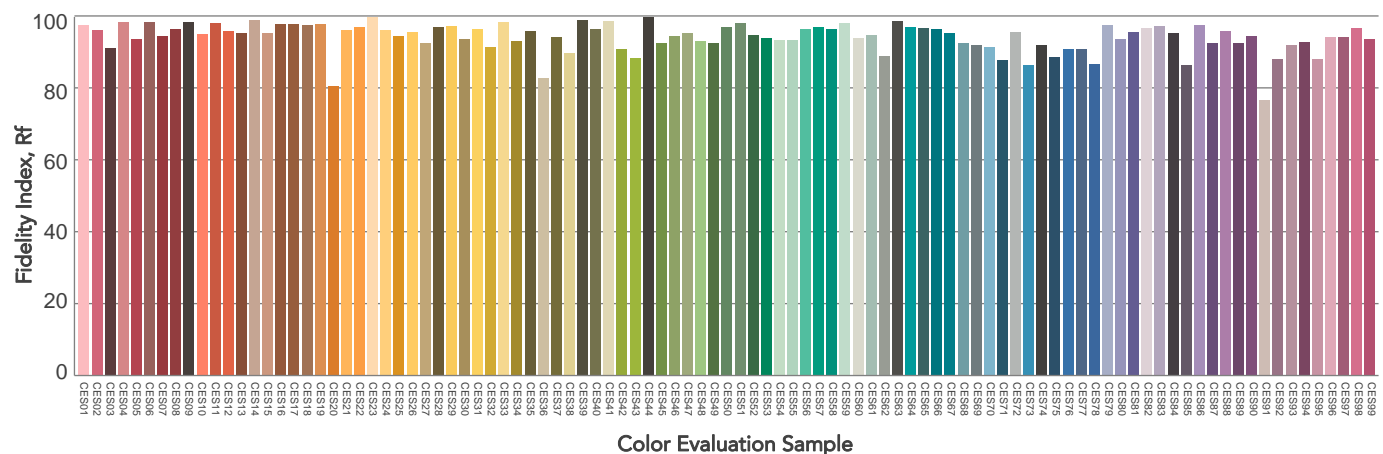
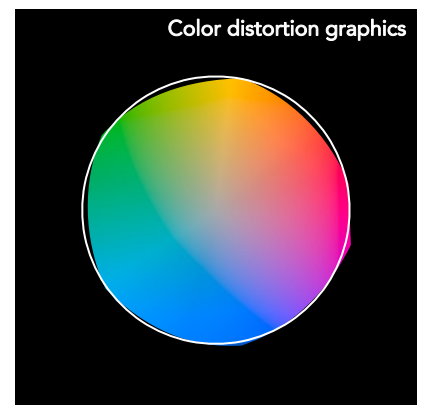
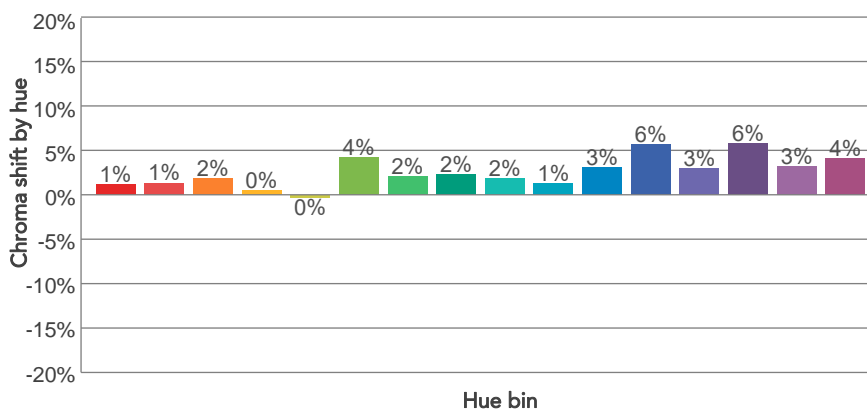
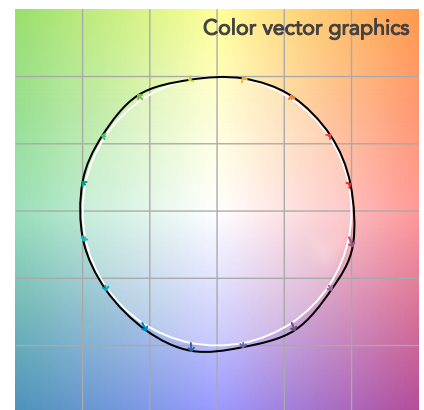
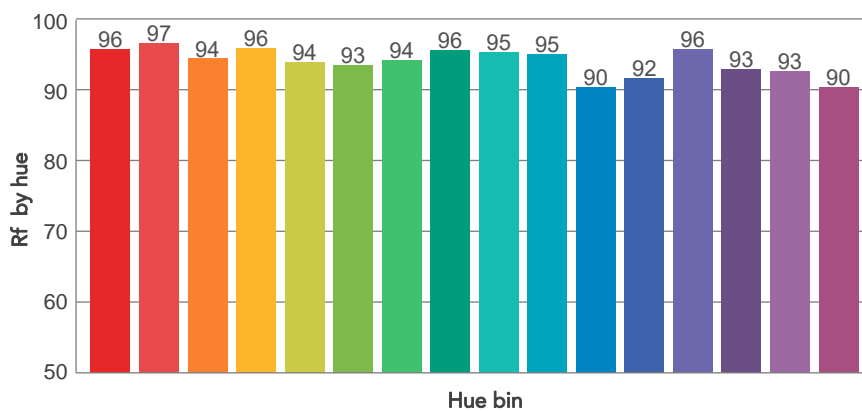
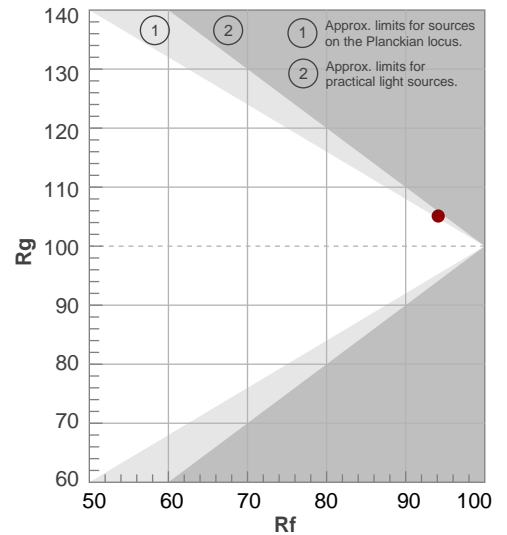
Rf 94,1

Fidelity index R_f

Rg 105,1

Gammut index

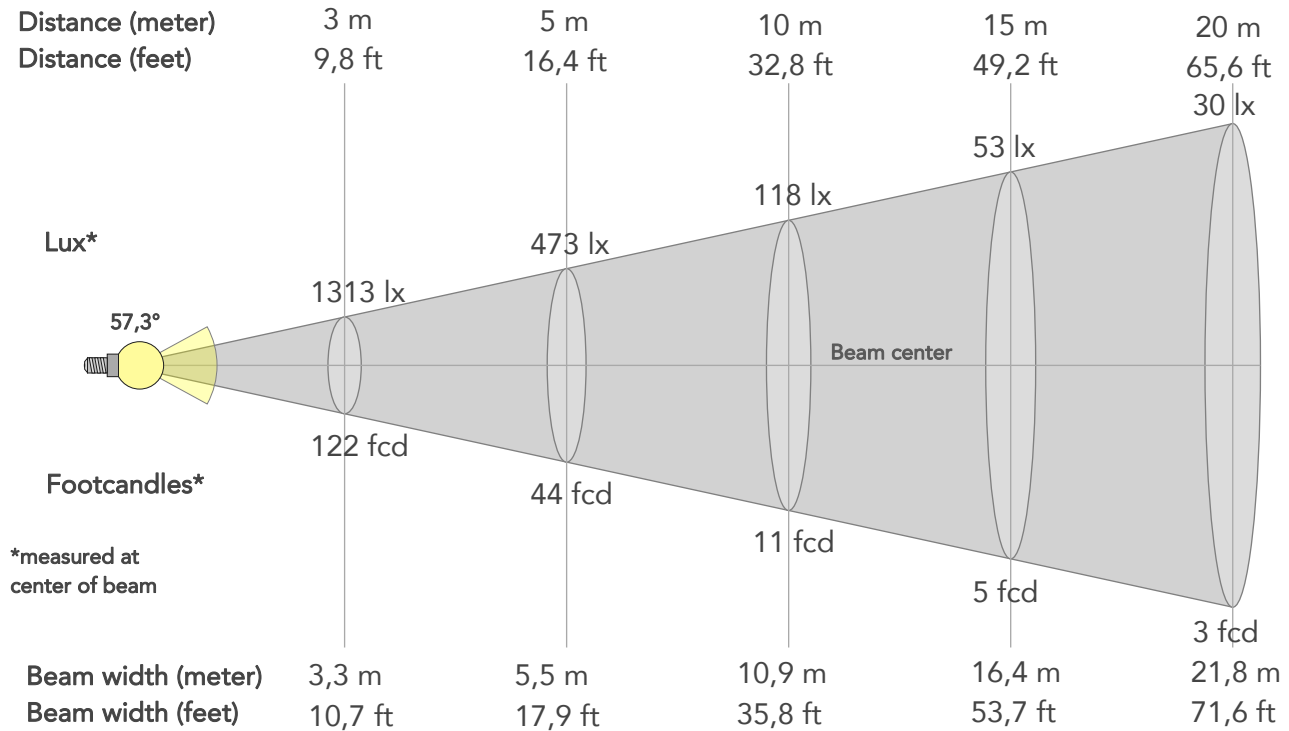
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	96	1%	0%
2	97	1%	0%
3	94	2%	2%
4	96	0%	0%
5	94	0%	1%
6	93	4%	1%
7	94	2%	1%
8	96	2%	-2%
9	95	2%	2%
10	95	1%	3%
11	90	3%	5%
12	92	6%	2%
13	96	3%	-1%
14	93	6%	-1%
15	93	3%	-1%
16	90	4%	-6%



BEAM DETAILS



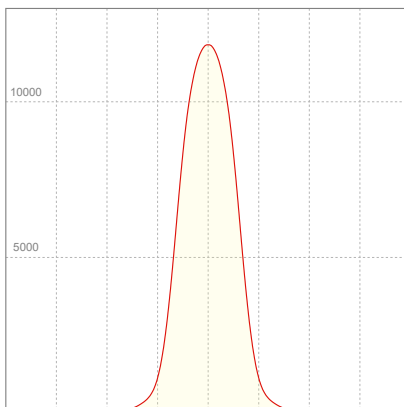
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,3°	89,4°	119,7°	97,5%	90,8%



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	11815lx	2954lx	1313lx	738lx	473lx	210lx	118lx	53lx	30lx	19lx	13lx	7lx	5lx
Footcand.	1098fcd	274fcd	122fcd	69fcd	44fcd	20fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,2m	10,9m	16,4m	21,8m	27,3m	32,8m	43,7m	54,6m
Beam wid.	3,6ft	7,2ft	10,7ft	14,3ft	17,9ft	26,9ft	35,8ft	53,7ft	71,6ft	89,5ft	107,4ft	143,3ft	179,1ft

LINEAR DISTRIBUTION DIAGRAM

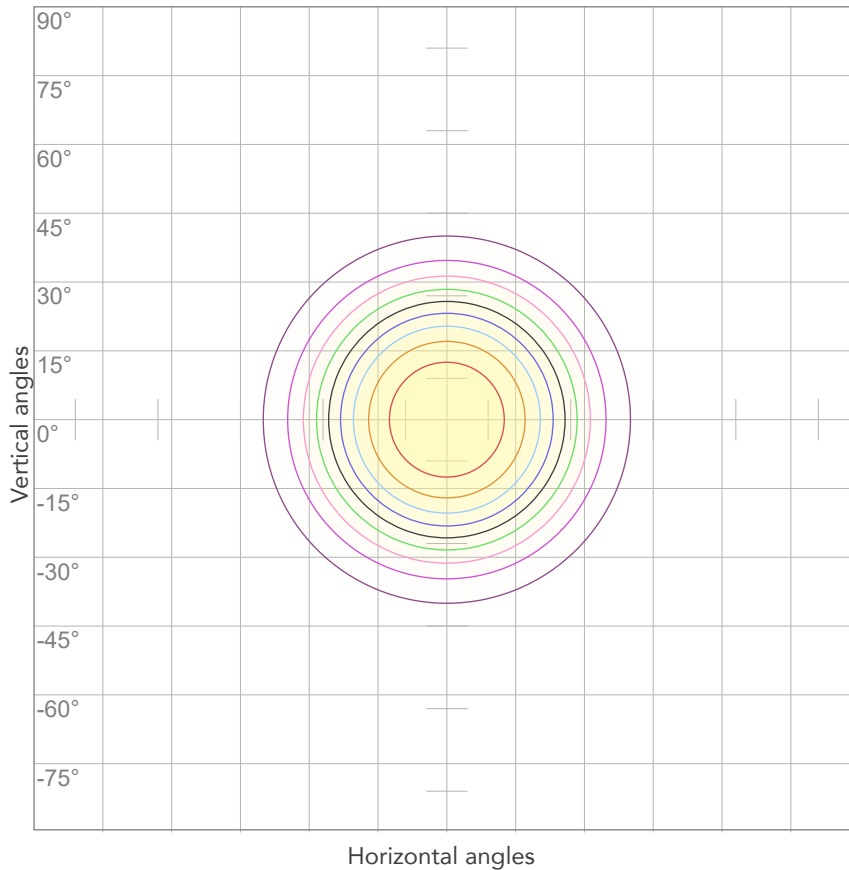


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
223V	0,928A	200W	0,97	56lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



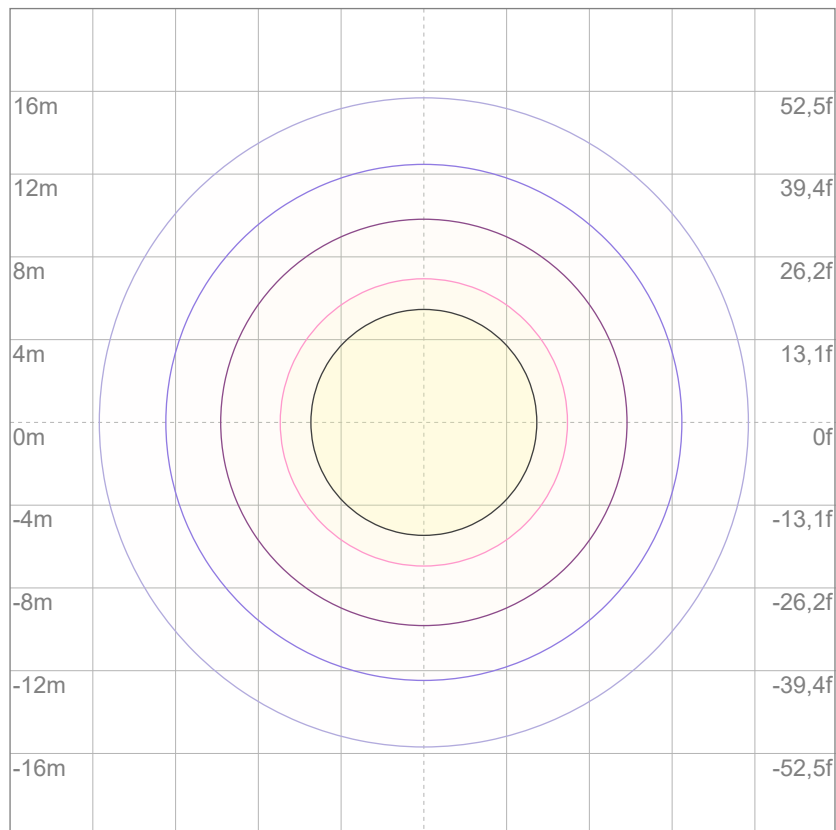
10%	1182 cd
20%	2363 cd
30%	3545 cd
40%	4726 cd
50%	5908 cd
60%	7089 cd
70%	8271 cd
80%	9452 cd

Conditions:

Number of c-planes: 2

Candela at center: 11815 cd

ISO LUX DIAGRAM



3%	3,54 lx
5%	5,91 lx
10%	11,8 lx
30%	35,4 lx
50%	59,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 118 lx

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



Total lumen output:

14008 lm

Peak candela output:

70758 cd

Light quality:

CRI: 94,7

Color temperature:

4018 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

20°

Target:

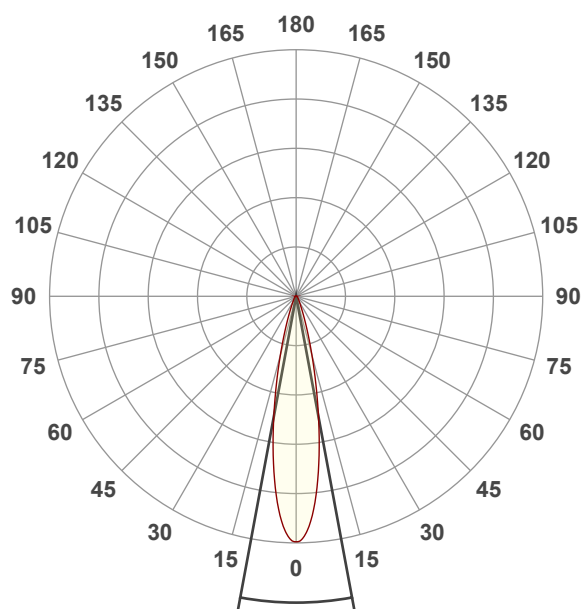
4000K

Operator:

Salvatore Giglio

Date and time:

22/01/2024 15:54:51

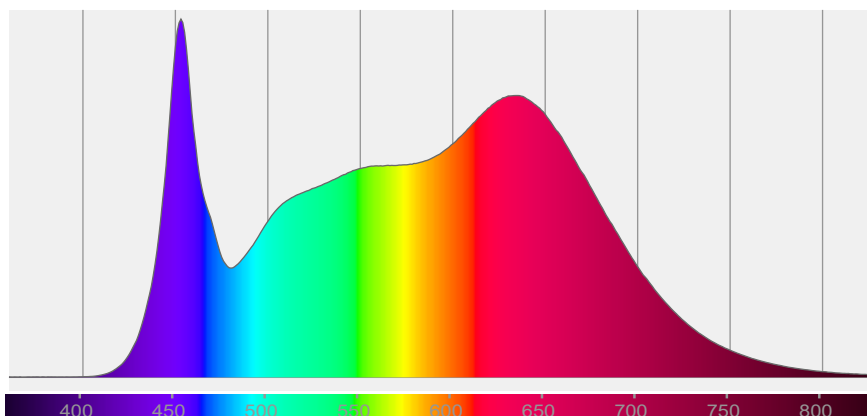


Beam angle 50%: 21°

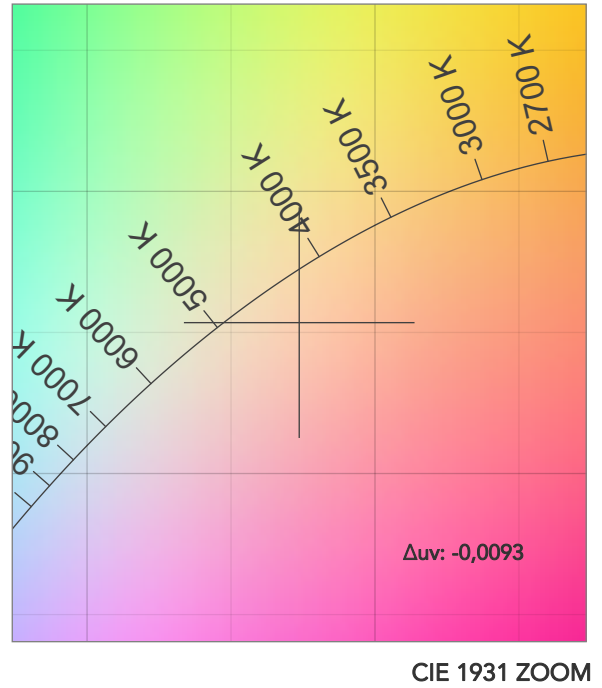
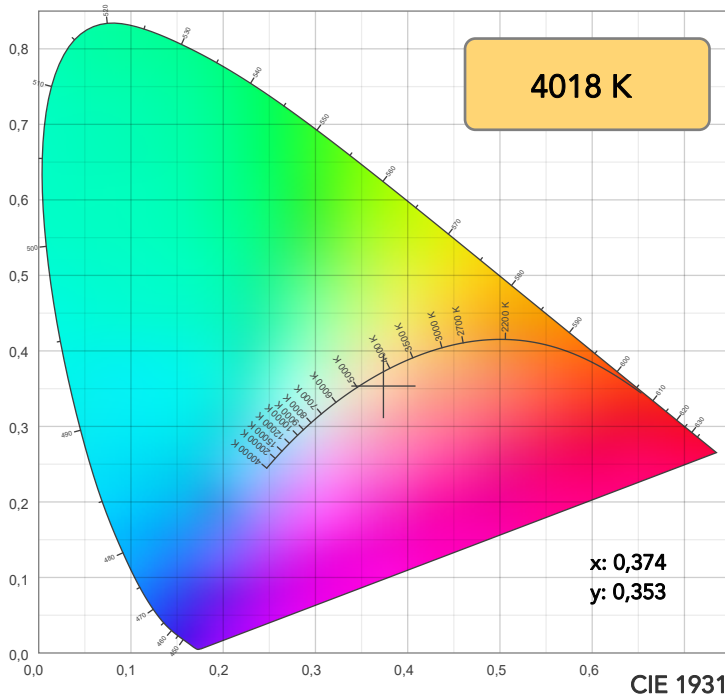
Field angle 10%: 40,2°

Cut off angle 2.5%: 61,2°

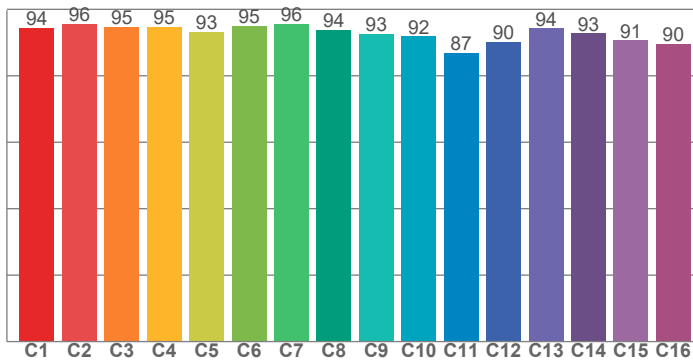
Spectra



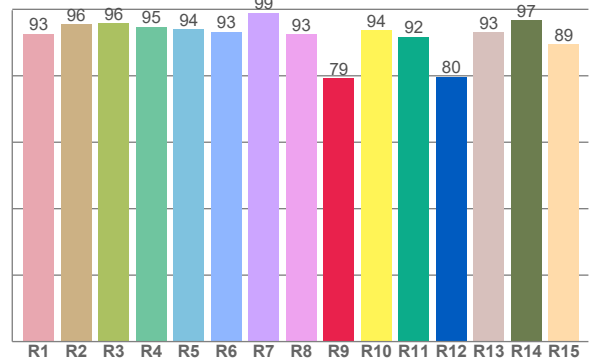
COLOR DETAILS



TM30: 92,9



CRI: 94,7 (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
92,7	95,6	95,9	94,7	93,9	93,2	99,0	92,5	79,4	93,7	91,7	79,8	93,0	96,8	89,4

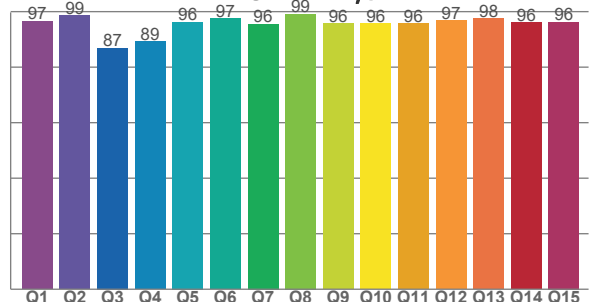
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,4	95,6	94,6	94,7	93,1	95,1	95,6	93,8	92,6	91,8	86,9	90,3	94,2	92,7	90,7	89,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,5	98,6	86,9	89,3	96,3	97,5	95,5	99,2	95,7	95,6	95,7	96,7	97,6	96,1	96,3

CQS: 94,6



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4018 K	94,7	79,4	92,9	104,0	94,6	97	0,374	0,353	-0,0093

TM30 DETAILS

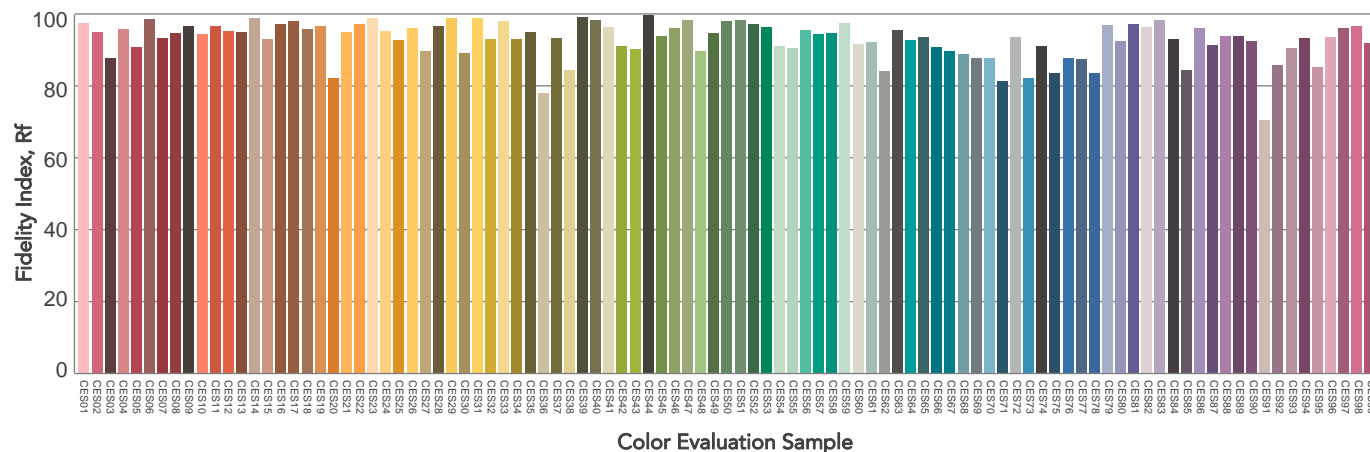
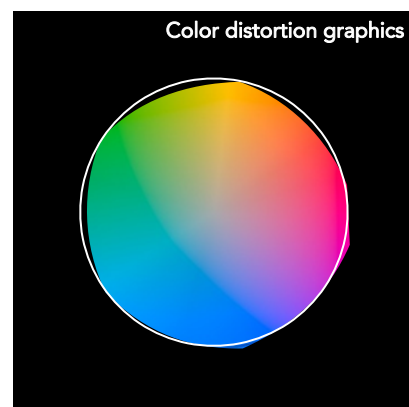
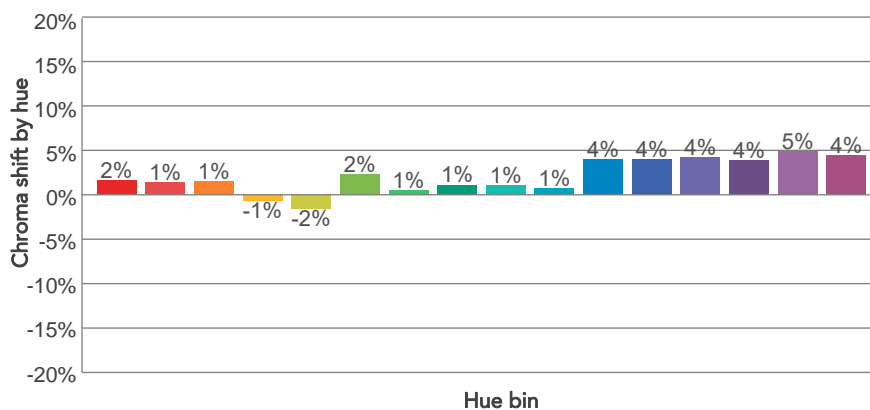
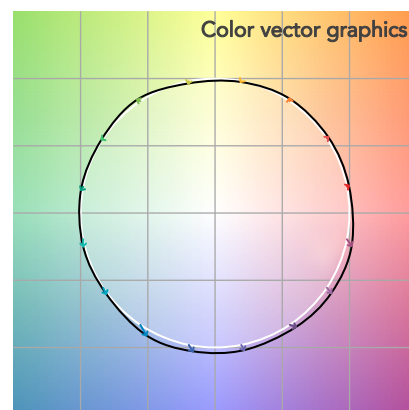
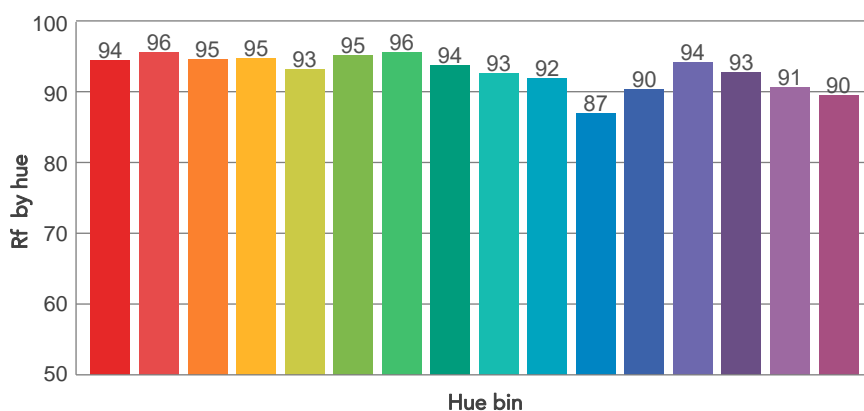
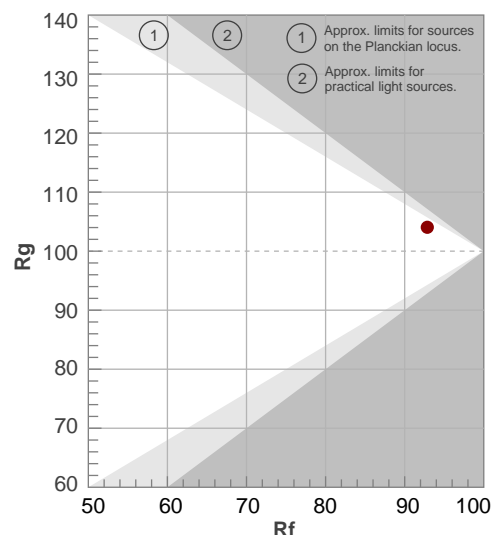
Rf 92,9

Fidelity index Rf

Rg 104,0

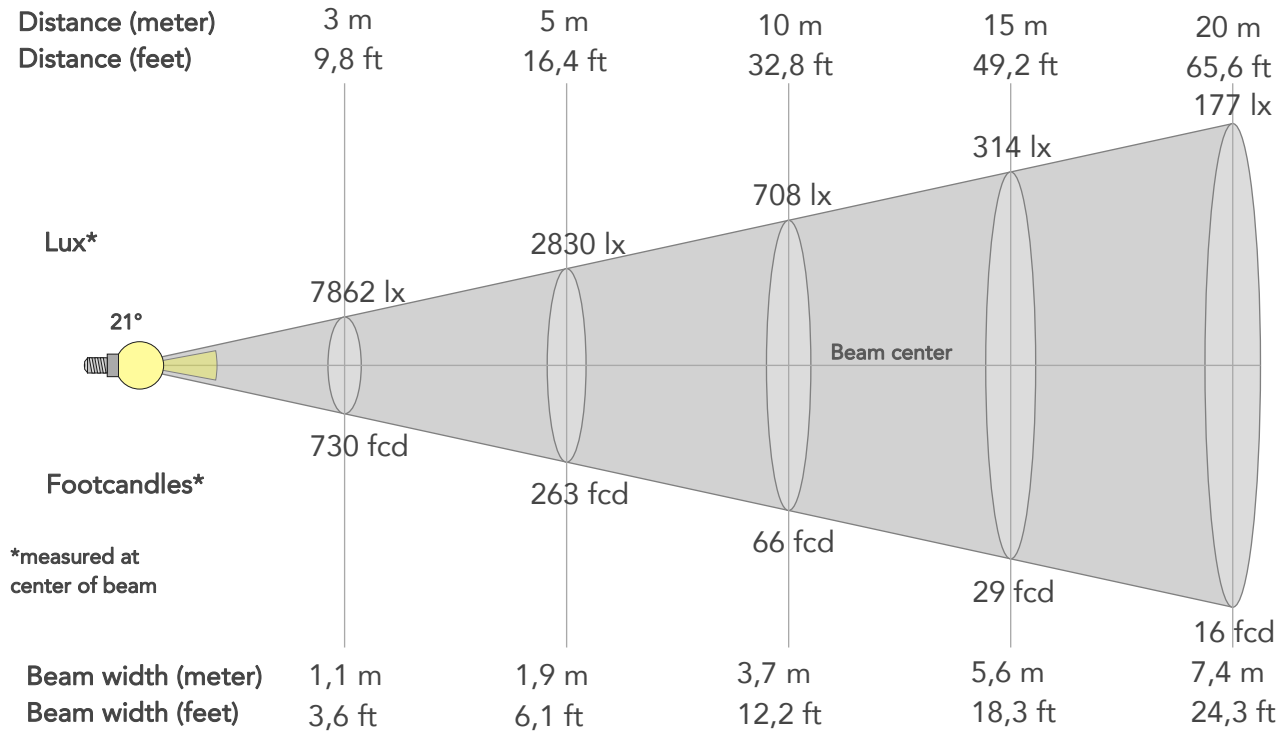
Gammut index

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



BEAM DETAILS

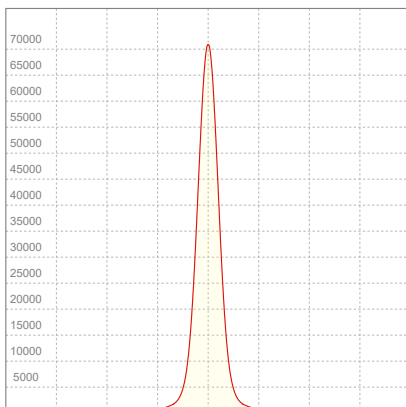
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21°	40,2°	61,2°	96,7%	91,5%



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	70758lx	17689lx	7862lx	4422lx	2830lx	1258lx	708lx	314lx	177lx	113lx	79lx	44lx	28lx
Footcand.	6574fcd	1643fcd	730fcd	411fcd	263fcd	117fcd	66fcd	29fcd	16fcd	11fcd	7fcd	4fcd	3fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,9m	2,8m	3,7m	5,6m	7,4m	9,3m	11,1m	14,8m	18,6m
Beam wid.	1,2ft	2,4ft	3,6ft	4,9ft	6,1ft	9,1ft	12,2ft	18,3ft	24,3ft	30,4ft	36,5ft	48,7ft	60,9ft

LINEAR DISTRIBUTION DIAGRAM

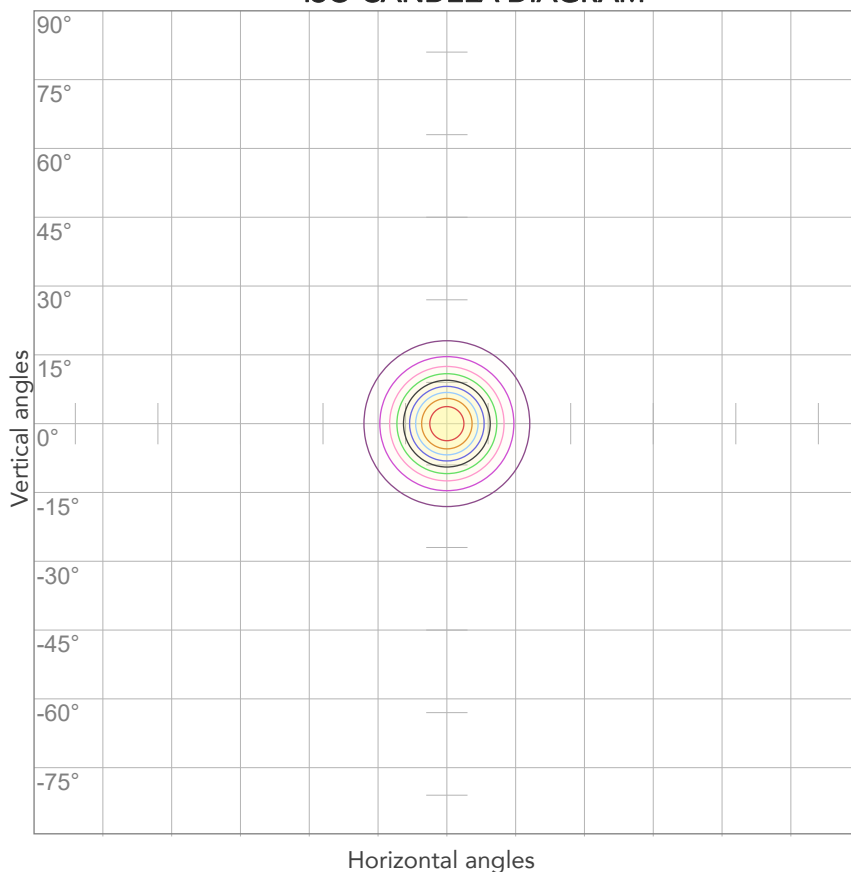


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,994A	219,6W	0,98	64lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



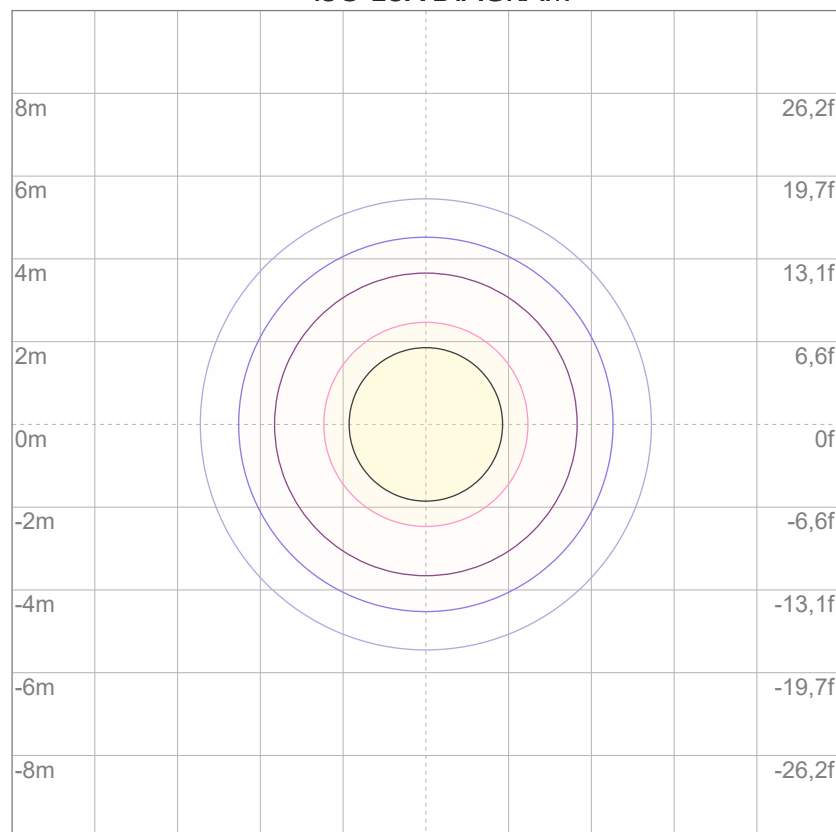
10%	7076 cd
20%	14152 cd
30%	21227 cd
40%	28303 cd
50%	35379 cd
60%	42455 cd
70%	49530 cd
80%	56606 cd

Conditions:

Number of c-planes: 2

Candela at center: 70758 cd

ISO LUX DIAGRAM



3%	21,2 lx
5%	35,4 lx
10%	70,8 lx
30%	212 lx
50%	354 lx

Conditions:

Number of c-planes: 2

Lux at center: 708 lx

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



Total lumen output:

13589 lm

Peak candela output:

26212 cd

Light quality:

CRI: 94,7

Color temperature:

4052 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

40°

Target:

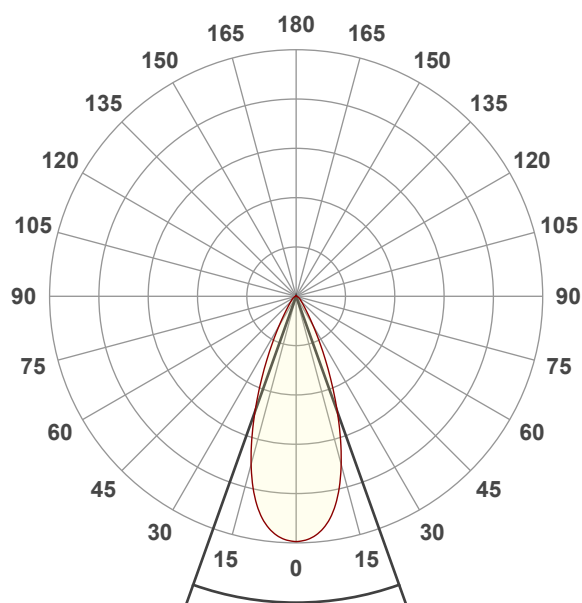
4000K

Operator:

Salvatore Giglio

Date and time:

22/01/2024 16:33:03

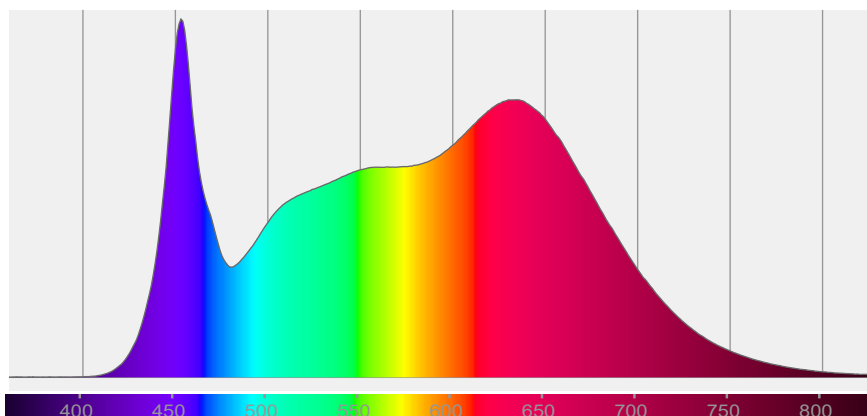


Beam angle 50%: 39,3°

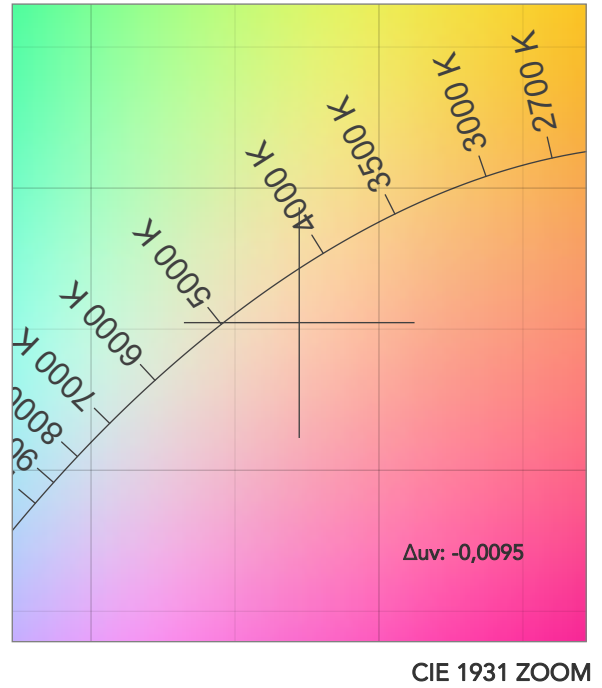
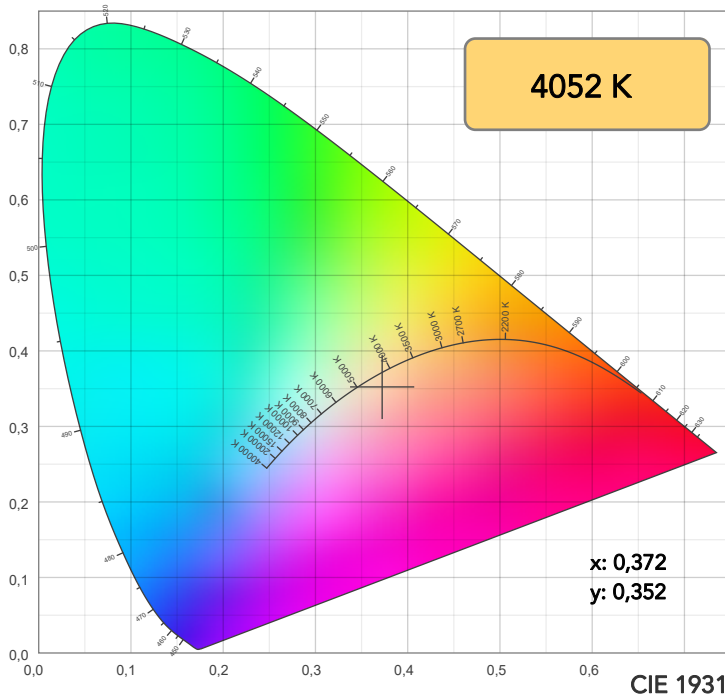
Field angle 10%: 65°

Cut off angle 2.5%: 97,6°

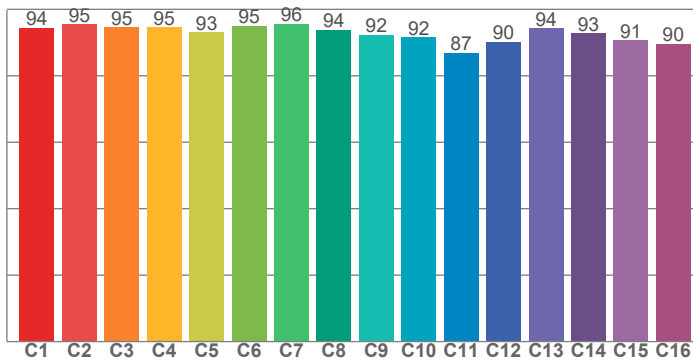
Spectra



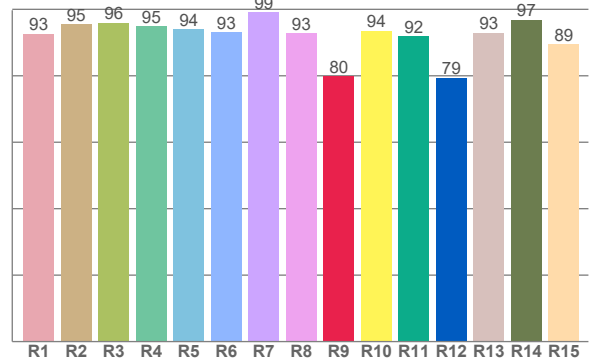
COLOR DETAILS



TM30: 92,8



CRI: 94,7 (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
92,6	95,5	96,0	94,9	93,9	93,1	99,1	92,8	79,8	93,5	91,9	79,5	92,9	96,8	89,4

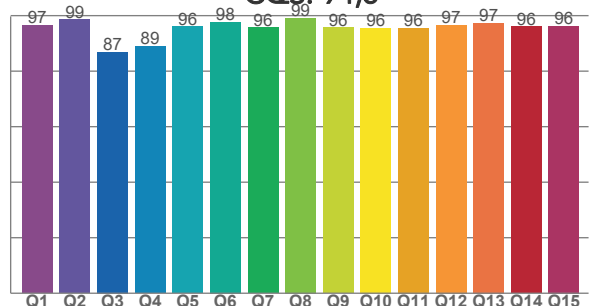
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,4	95,5	94,5	94,6	93,1	95,1	95,6	93,7	92,4	91,6	86,8	90,3	94,3	92,8	90,7	89,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,5	98,6	86,8	89,0	96,0	97,8	95,6	99,2	95,6	95,6	96,6	97,4	96,0	96,2	

CQS: 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
4052 K	94,7	79,8	92,8	104,0	94,5	97	0,372	0,352	-0,0095

TM30 DETAILS

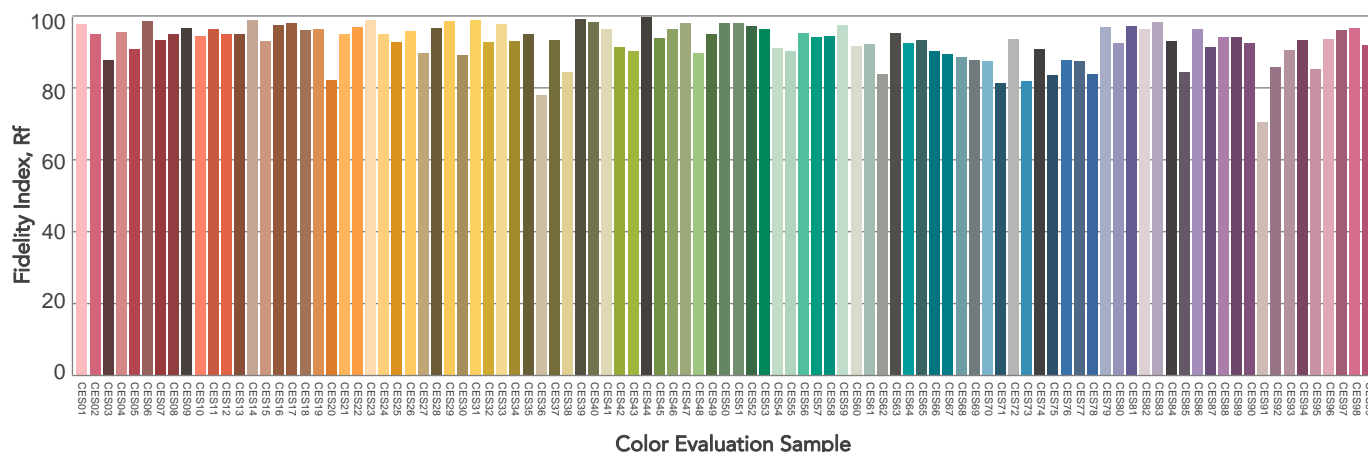
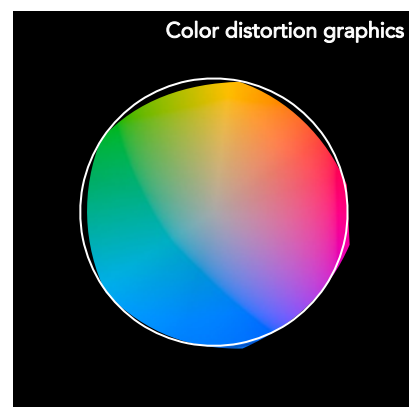
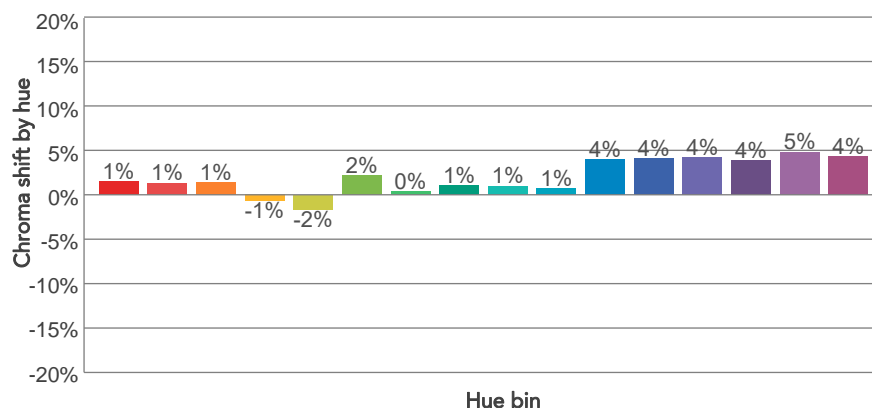
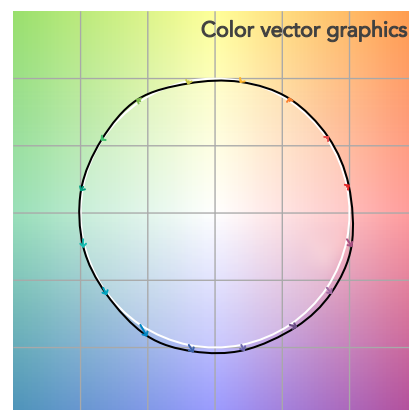
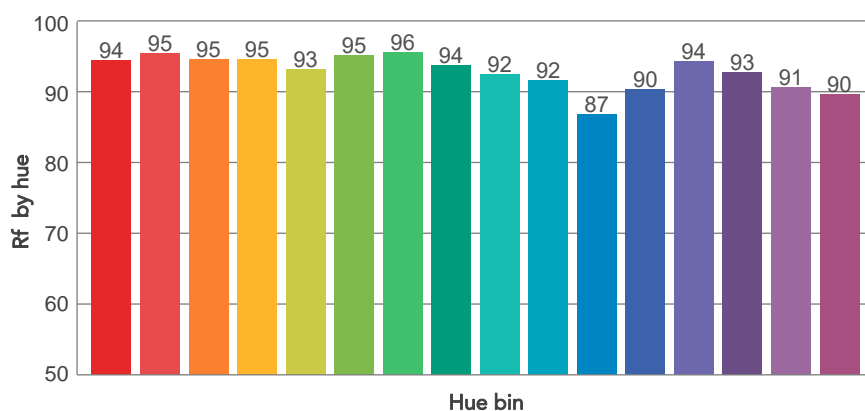
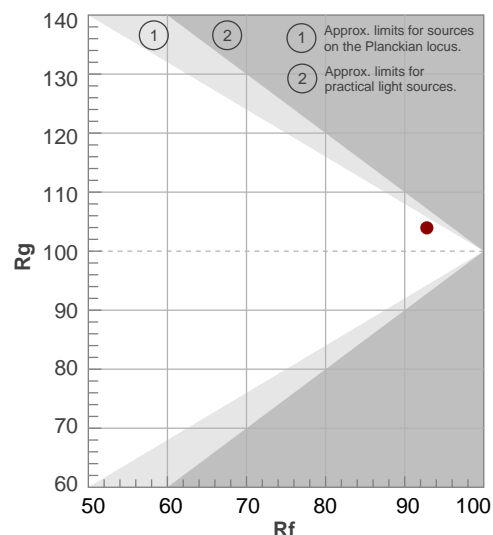
Rf 92,8

Fidelity index Rf

Rg 104,0

Gammut index

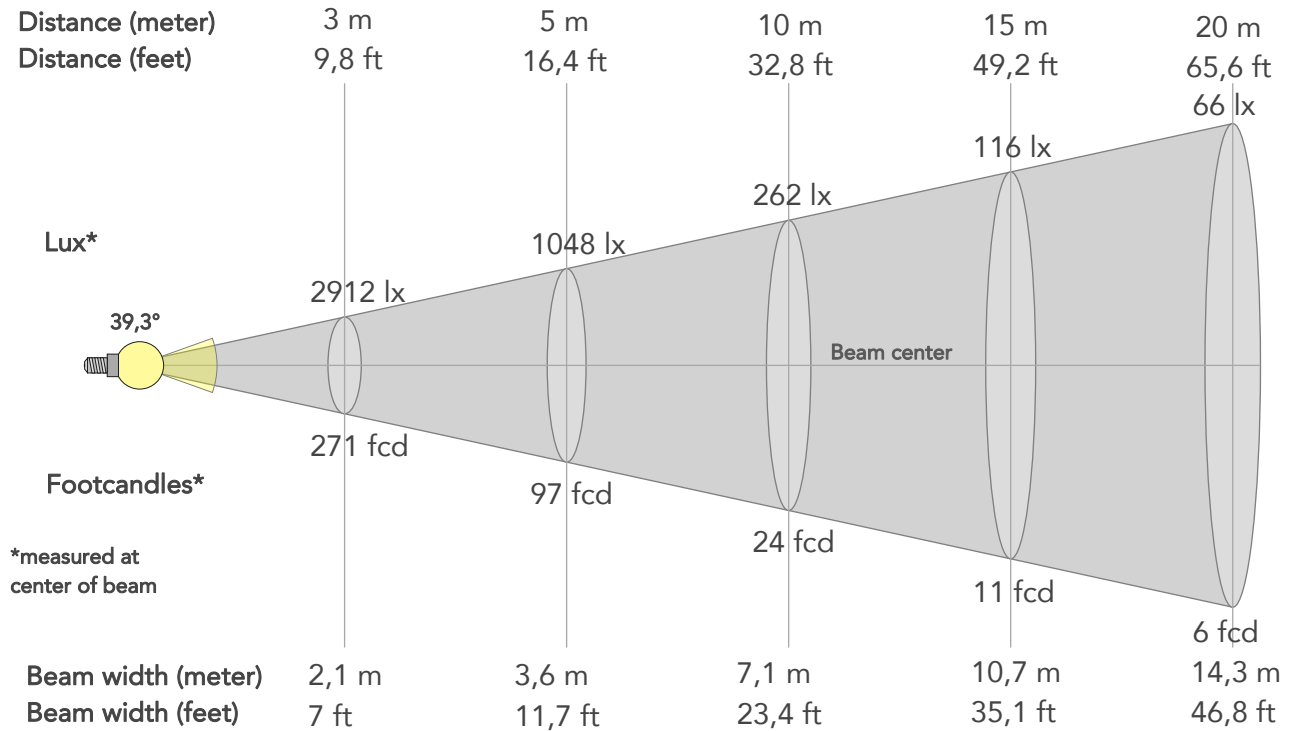
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	1%	1%
2	95	1%	0%
3	95	1%	1%
4	95	-1%	0%
5	93	-2%	1%
6	95	2%	1%
7	96	0%	1%
8	94	1%	3%
9	92	1%	5%
10	92	1%	5%
11	87	4%	8%
12	90	4%	4%
13	94	4%	1%
14	93	4%	3%
15	91	5%	-2%
16	90	4%	-4%



BEAM DETAILS



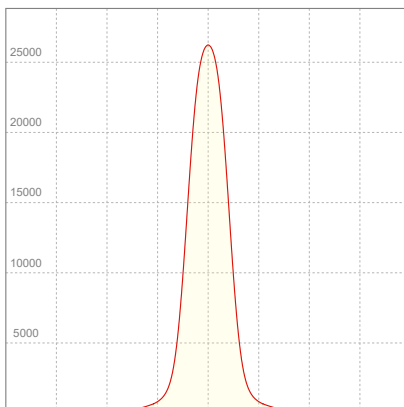
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,3°	65°	97,6°	96,7%	91,4%



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	26212lx	6553lx	2912lx	1638lx	1048lx	466lx	262lx	116lx	66lx	42lx	29lx	16lx	10lx
Footcand.	2435fcd	609fcd	271fcd	152fcd	97fcd	43fcd	24fcd	11fcd	6fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,7m	1,4m	2,1m	2,9m	3,6m	5,4m	7,1m	10,7m	14,3m	17,8m	21,4m	28,6m	35,7m
Beam wid.	2,4ft	4,7ft	7ft	9,4ft	11,7ft	17,6ft	23,4ft	35,1ft	46,8ft	58,5ft	70,2ft	93,7ft	117,1ft

LINEAR DISTRIBUTION DIAGRAM

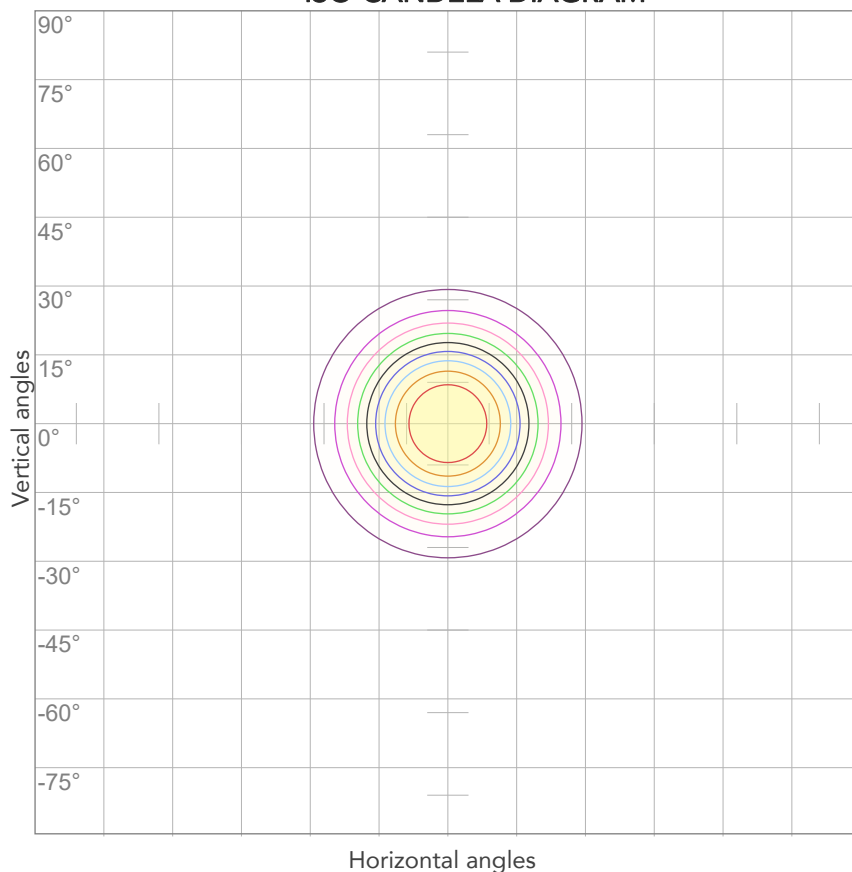


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,997A	218,6W	0,97	62lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



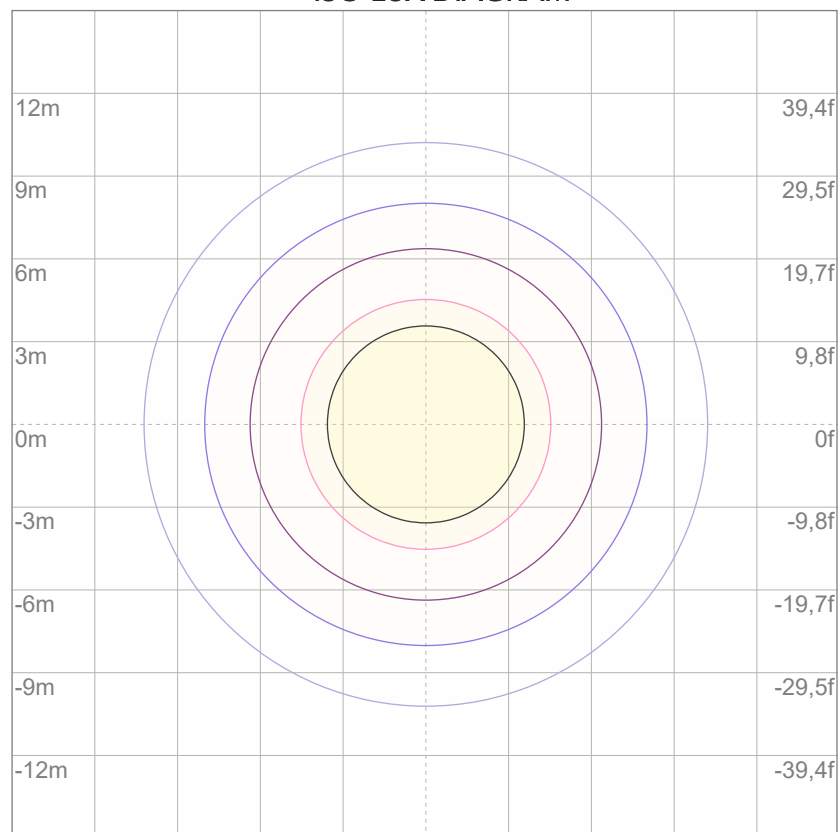
10%	2621 cd
20%	5242 cd
30%	7864 cd
40%	10485 cd
50%	13106 cd
60%	15727 cd
70%	18349 cd
80%	20970 cd

Conditions:

Number of c-planes: 2

Candela at center: 26212 cd

ISO LUX DIAGRAM



3%	7,86 lx
5%	13,1 lx
10%	26,2 lx
30%	78,6 lx
50%	131 lx

Conditions:

Number of c-planes: 2

Lux at center: 262 lx

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



Total lumen output:

12503 lm

Peak candela output:

13286 cd

Light quality:

CRI: 94,6

Color temperature:

4069 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

60°

Target:

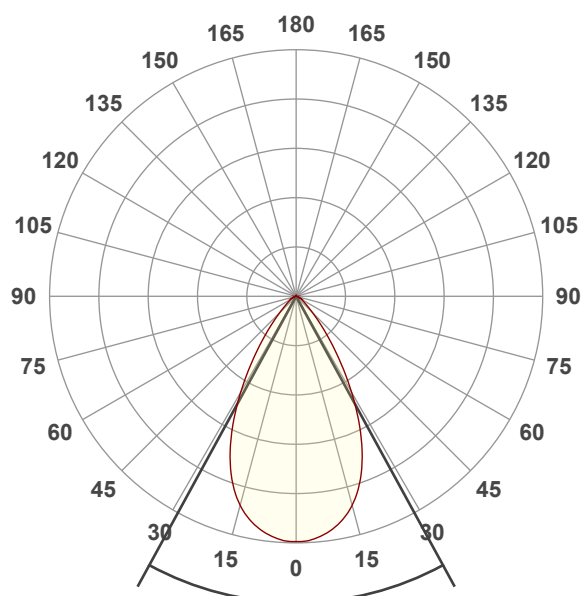
4000K

Operator:

Salvatore Giglio

Date and time:

22/01/2024 17:32:41

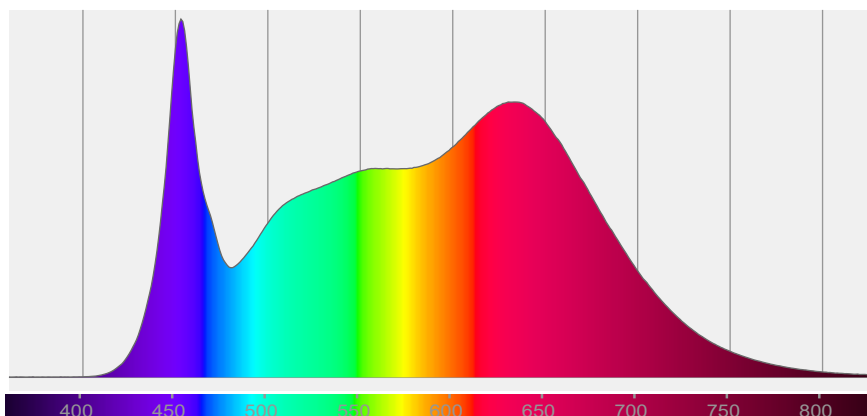


Beam angle 50%: 57,3°

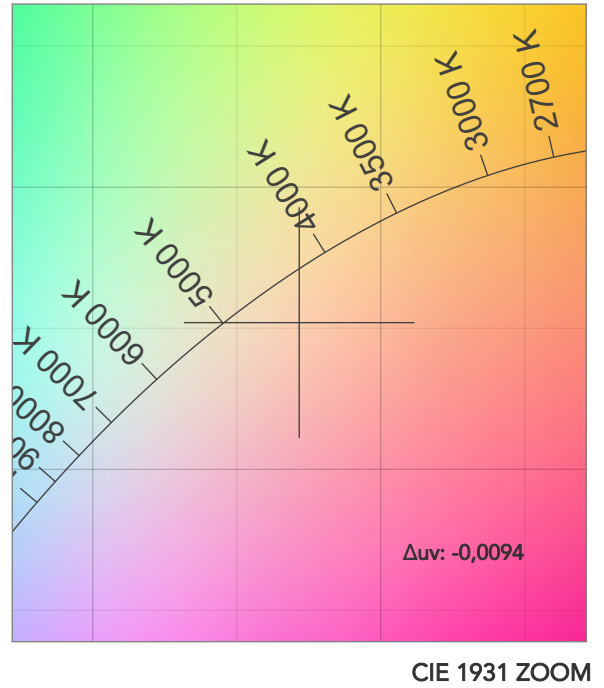
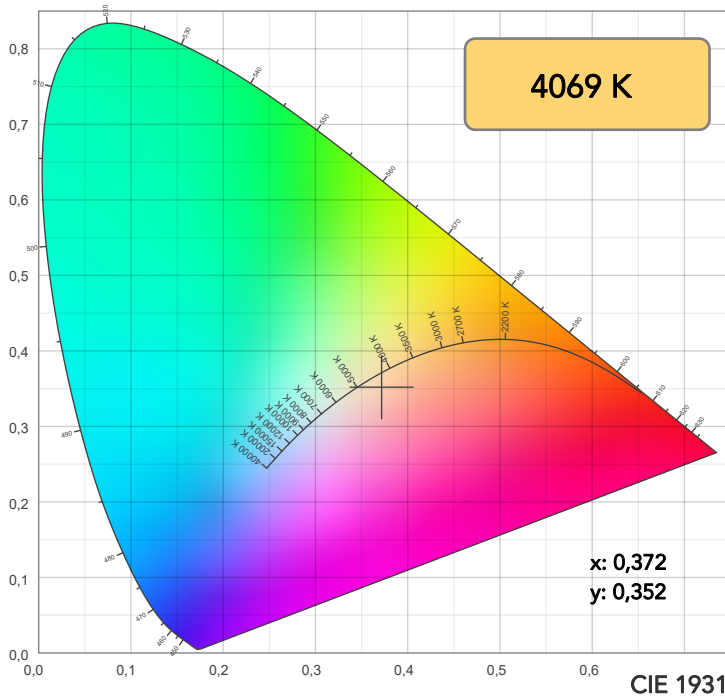
Field angle 10%: 89,4°

Cut off angle 2.5%: 119,8°

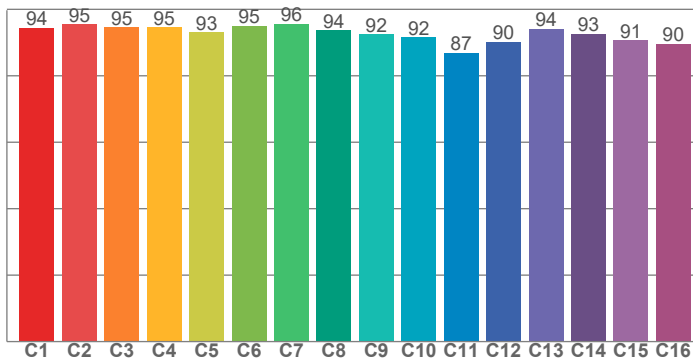
Spectra



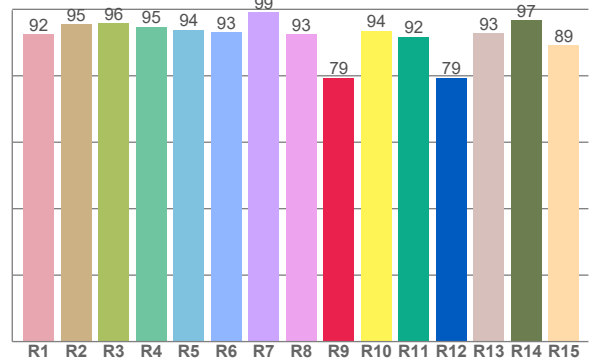
COLOR DETAILS



TM30: 92,8



CRI: 94,6 (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
92,5	95,5	95,9	94,7	93,8	93,1	99,1	92,6	79,4	93,5	91,8	79,4	92,8	96,8	89,3

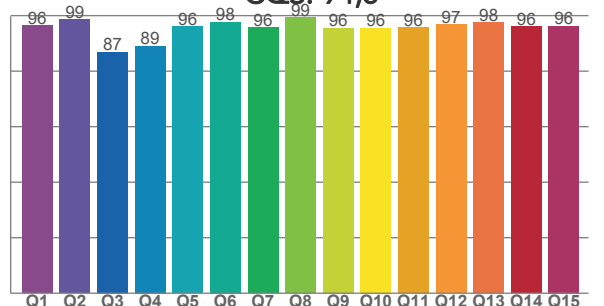
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,4	95,4	94,5	94,6	93,1	95,0	95,6	93,7	92,4	91,6	86,8	90,2	94,0	92,6	90,7	89,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,5	98,6	86,8	89,0	96,1	97,7	95,7	99,3	95,6	95,6	95,7	96,7	97,5	96,0	96,2

CQS: 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
4069 K	94,6	79,4	92,8	103,9	94,5	97	0,372	0,352	-0,0094

TM30 DETAILS

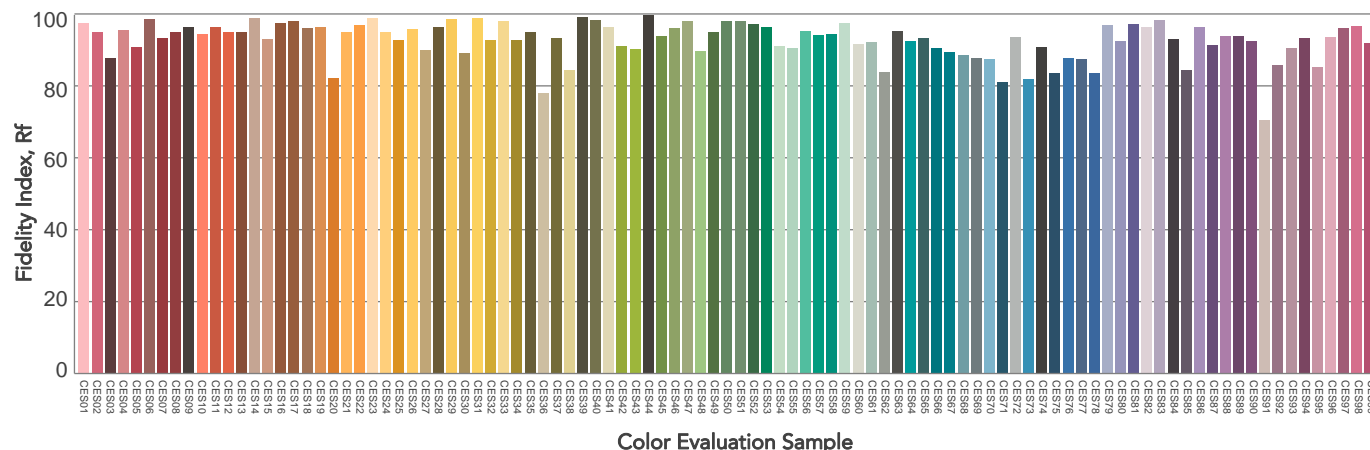
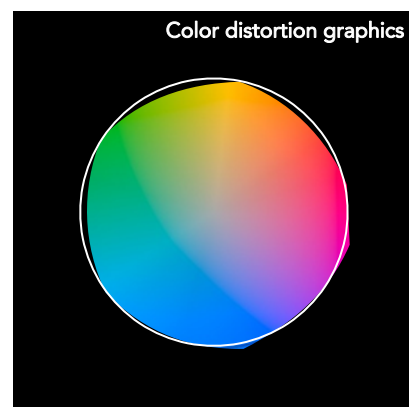
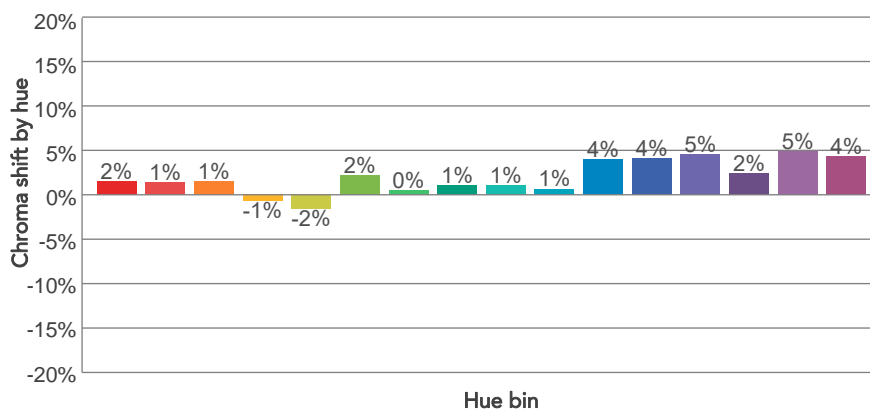
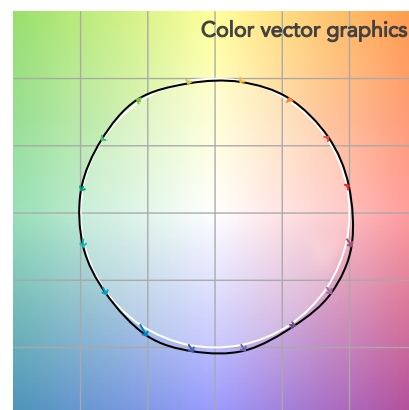
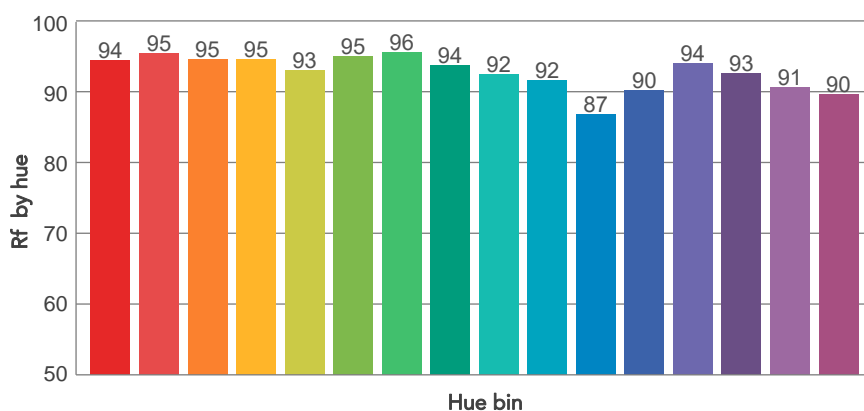
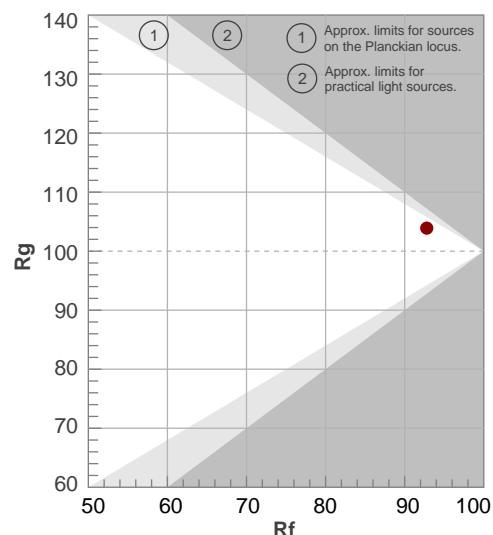
Rf 92,8

Fidelity index Rf

Rg 103,9

Gammut index

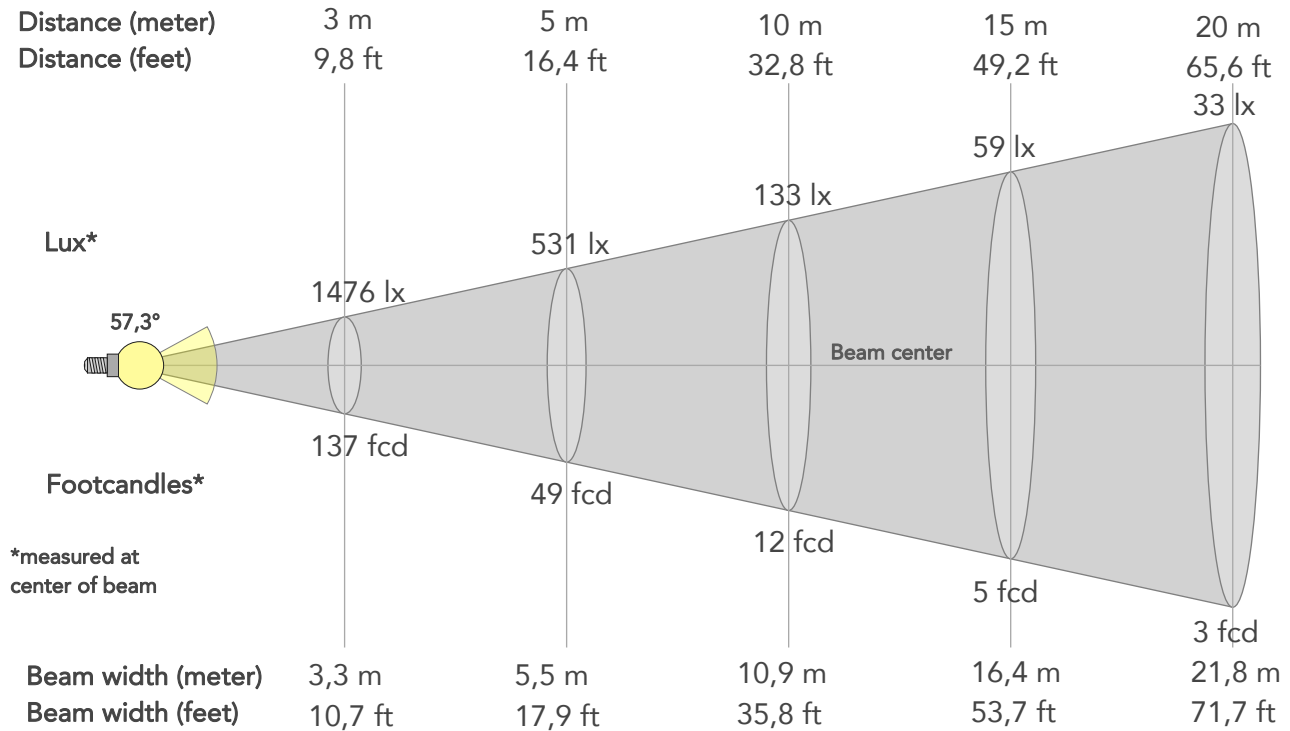
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	2%	1%
2	95	1%	0%
3	95	1%	1%
4	95	-1%	0%
5	93	-2%	1%
6	95	2%	1%
7	96	0%	1%
8	94	1%	3%
9	92	1%	5%
10	92	1%	5%
11	87	4%	8%
12	90	4%	4%
13	94	5%	2%
14	93	2%	3%
15	91	5%	-1%
16	90	4%	-4%



BEAM DETAILS



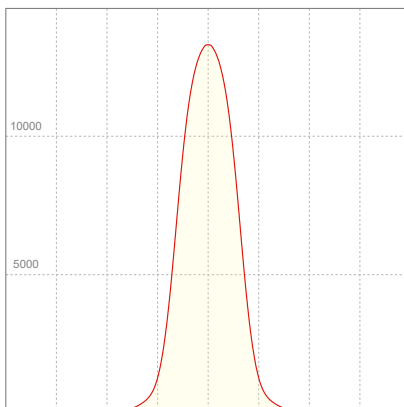
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,3°	89,4°	119,8°	97,5%	90,8%



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	13286lx	3321lx	1476lx	830lx	531lx	236lx	133lx	59lx	33lx	21lx	15lx	8lx	5lx
Footcand.	1234fcd	309fcd	137fcd	77fcd	49fcd	22fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,2m	10,9m	16,4m	21,8m	27,3m	32,8m	43,7m	54,6m
Beam wid.	3,6ft	7,2ft	10,7ft	14,3ft	17,9ft	26,9ft	35,8ft	53,7ft	71,7ft	89,6ft	107,5ft	143,3ft	179,1ft

LINEAR DISTRIBUTION DIAGRAM

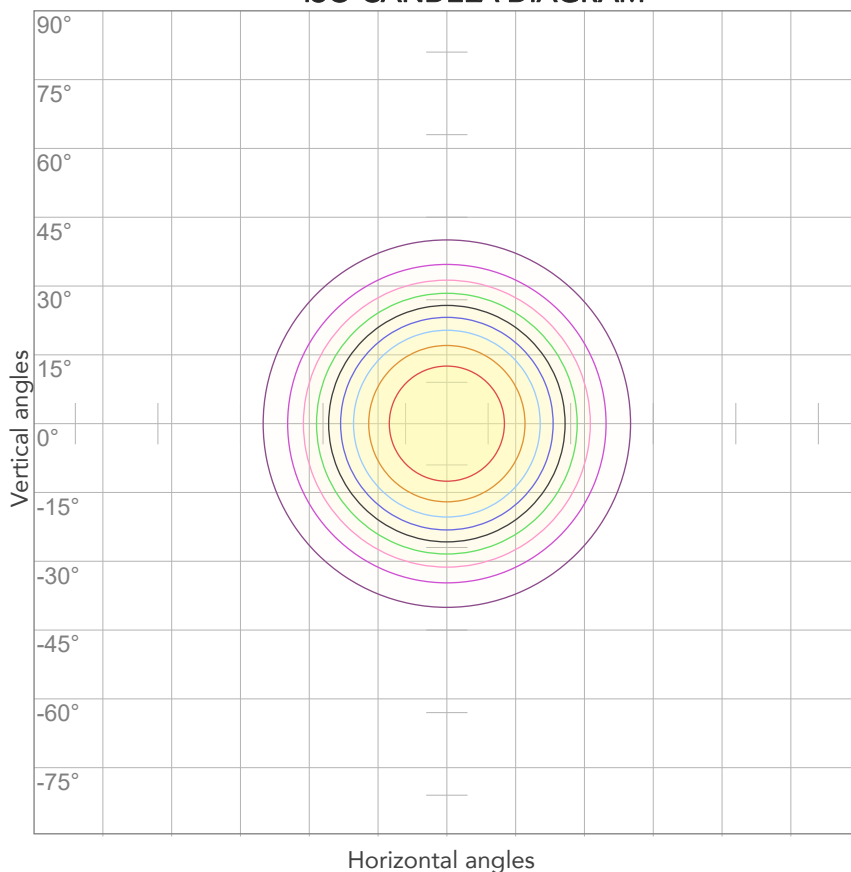


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,997A	218,8W	0,97	57lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



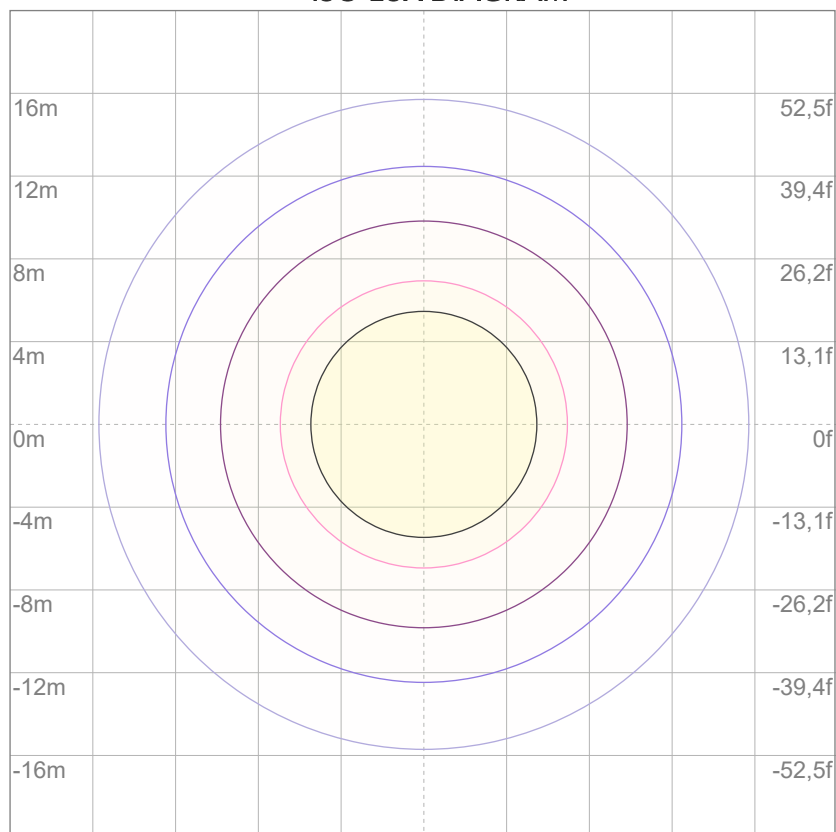
10%	1329 cd
20%	2657 cd
30%	3986 cd
40%	5314 cd
50%	6643 cd
60%	7972 cd
70%	9300 cd
80%	10629 cd

Conditions:

Number of c-planes: 2

Candela at center: 13286 cd

ISO LUX DIAGRAM



3%	3,99 lx
5%	6,64 lx
10%	13,3 lx
30%	39,9 lx
50%	66,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 133 lx

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



Total lumen output:

14456 lm

Peak candela output:

72965 cd

Light quality:

CRI: 95,8

Color temperature:

5678 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

20°

Target:

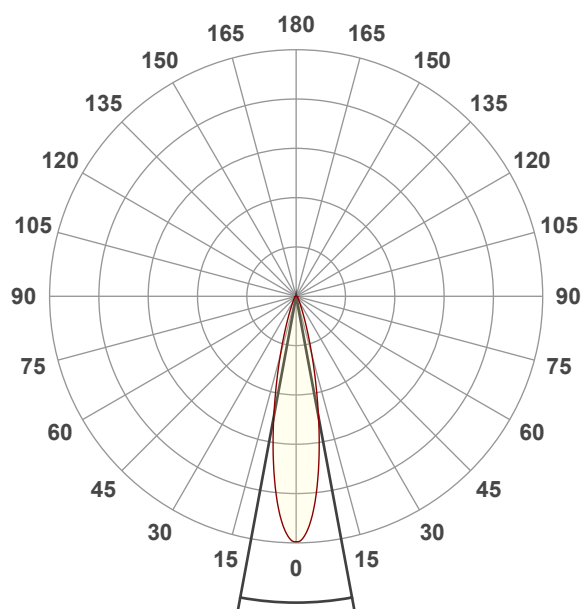
5600K

Operator:

Salvatore Giglio

Date and time:

22/01/2024 15:56:35

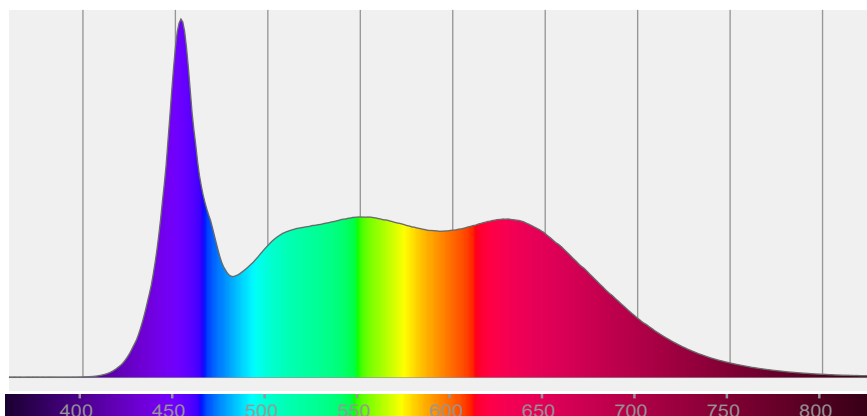


Beam angle 50%: 21°

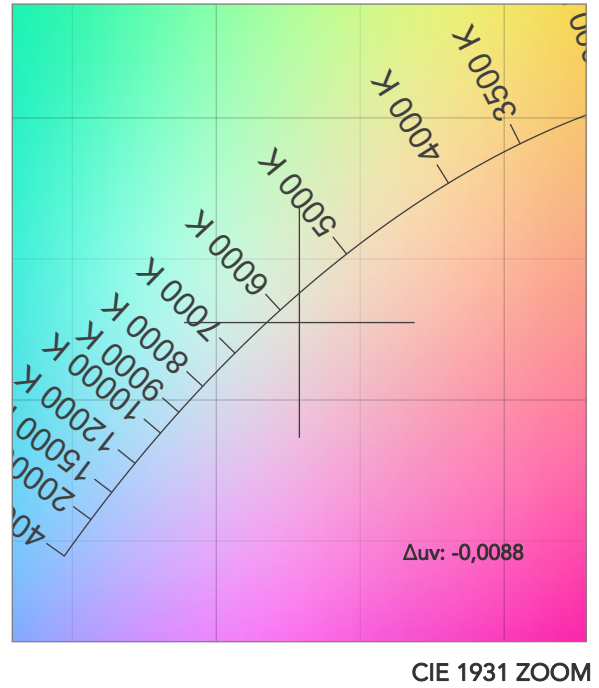
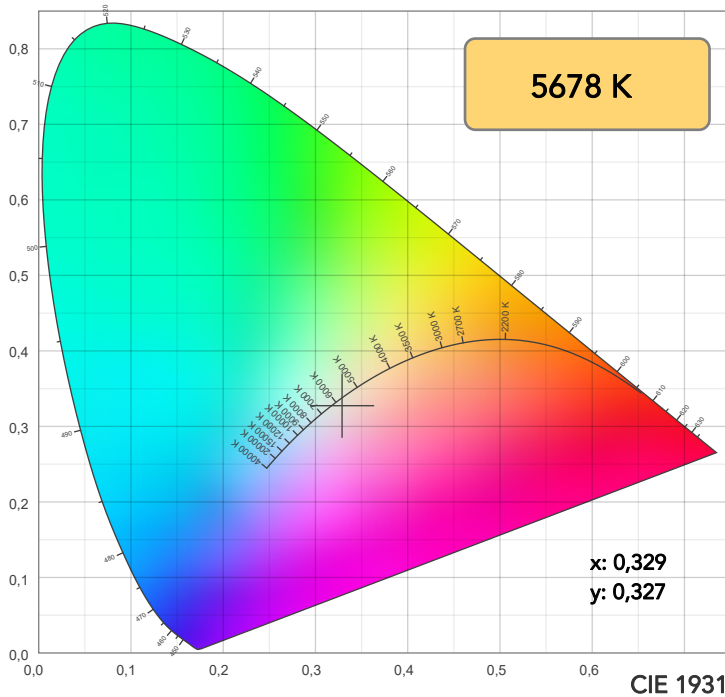
Field angle 10%: 40,2°

Cut off angle 2.5%: 61,3°

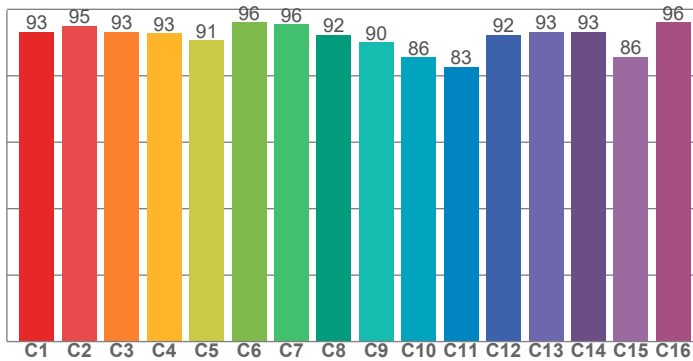
Spectra



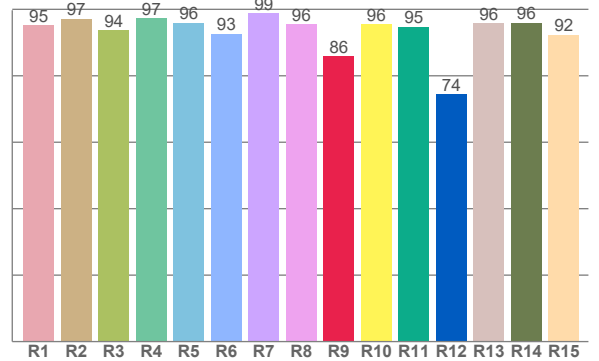
COLOR DETAILS



TM30: 91,5



CRI: 95,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,1	97,2	93,7	97,3	96,0	92,7	98,9	95,6	86,0	95,5	94,7	74,5	95,9	95,9	92,4

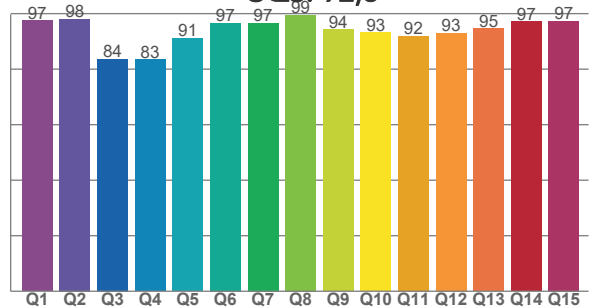
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,3	95,1	93,1	92,8	90,6	96,0	95,5	92,4	90,1	85,5	82,7	92,3	93,2	93,1	85,7	96,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,5	98,0	83,6	83,4	91,1	96,7	96,5	99,4	94,2	93,2	92,0	93,0	94,6	97,1	97,3

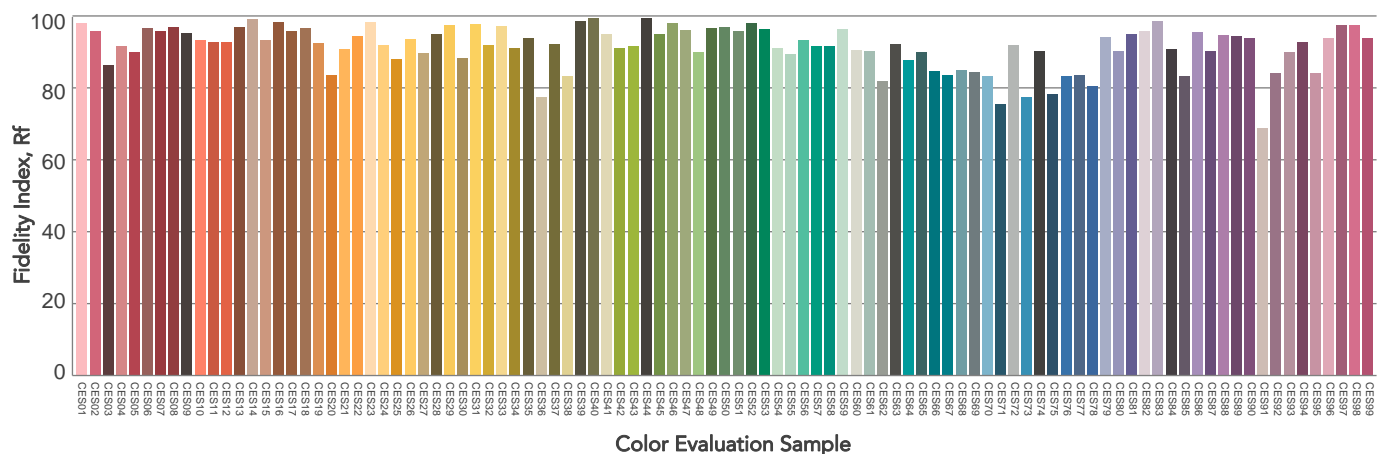
CQS: 92,3



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
5678 K	95,8	86,0	91,5	102,4	92,3	97	0,329	0,327	-0,0088

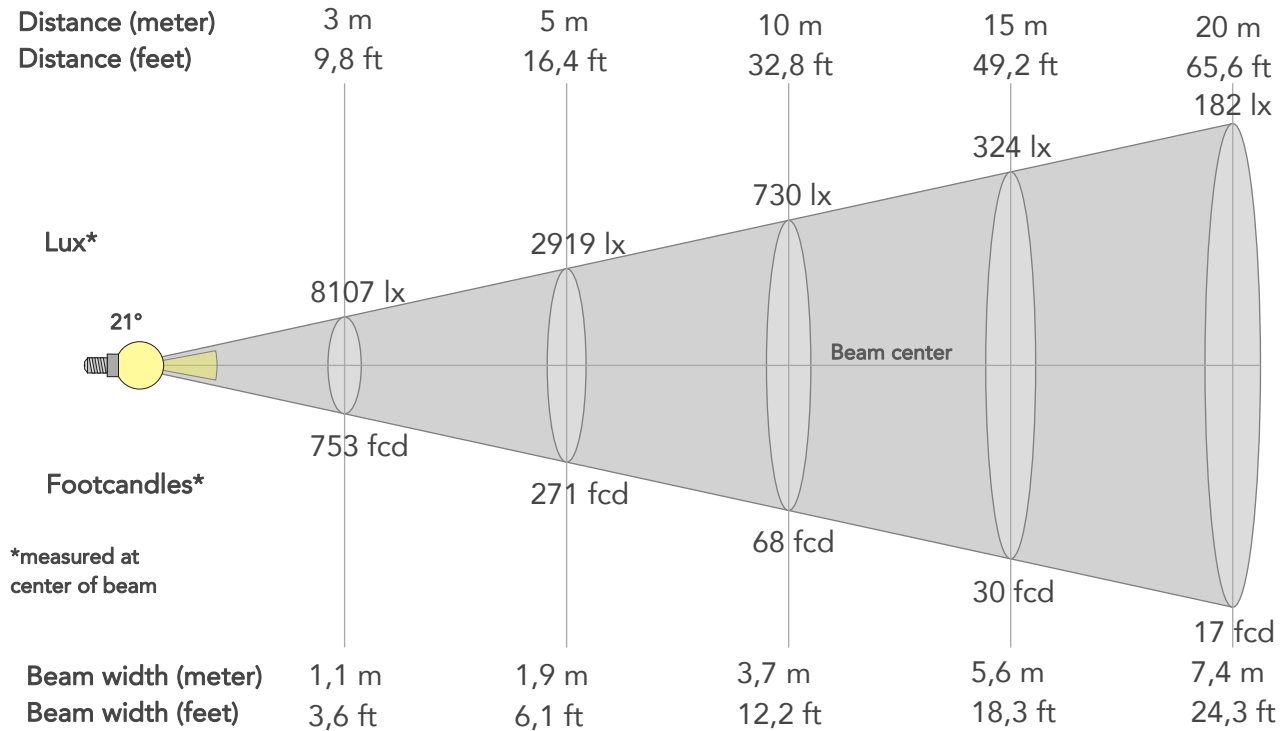
Gammut index



BEAM DETAILS



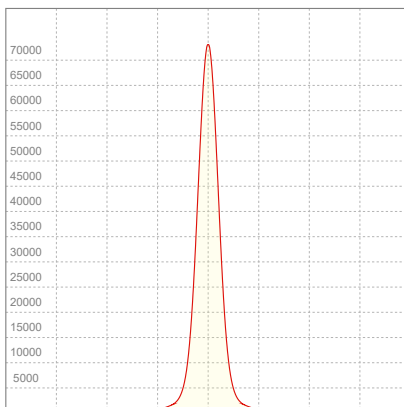
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21°	40,2°	61,3°	96,8%	91,5%



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	72965lx	18241lx	8107lx	4560lx	2919lx	1297lx	730lx	324lx	182lx	117lx	81lx	46lx	29lx
Footcand.	6779fcd	1695fcd	753fcd	424fcd	271fcd	121fcd	68fcd	30fcd	17fcd	11fcd	8fcd	4fcd	3fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,9m	2,8m	3,7m	5,6m	7,4m	9,3m	11,1m	14,8m	18,6m
Beam wid.	1,2ft	2,4ft	3,6ft	4,9ft	6,1ft	9,1ft	12,2ft	18,3ft	24,3ft	30,4ft	36,5ft	48,7ft	60,9ft

LINEAR DISTRIBUTION DIAGRAM

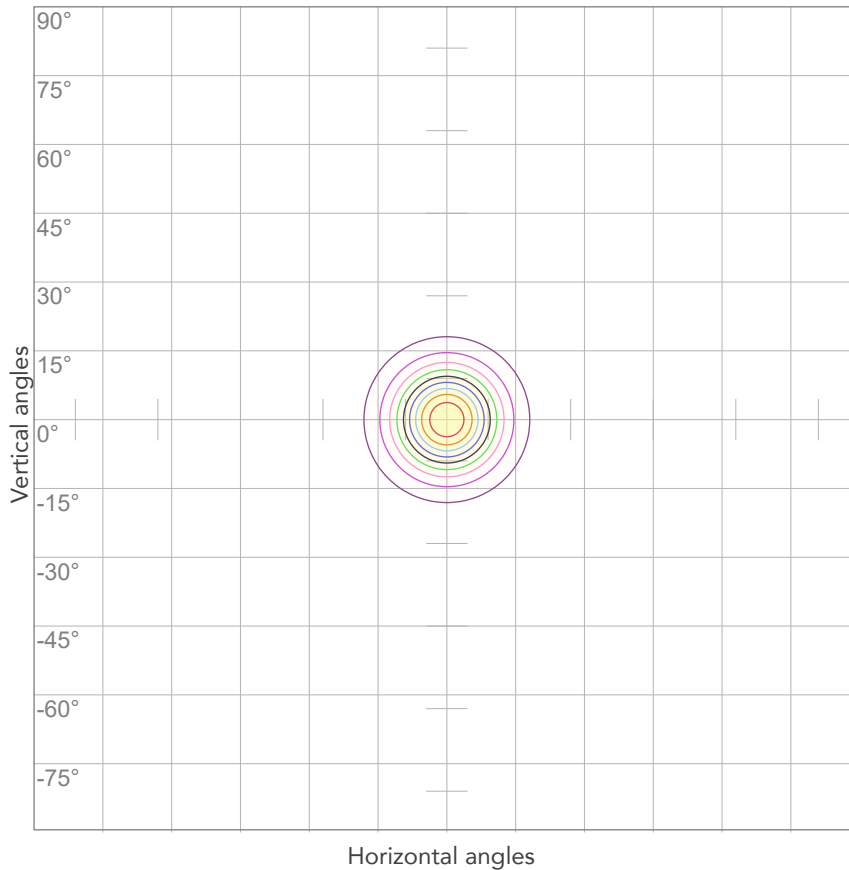


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,899A	195,5W	0,97	74lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



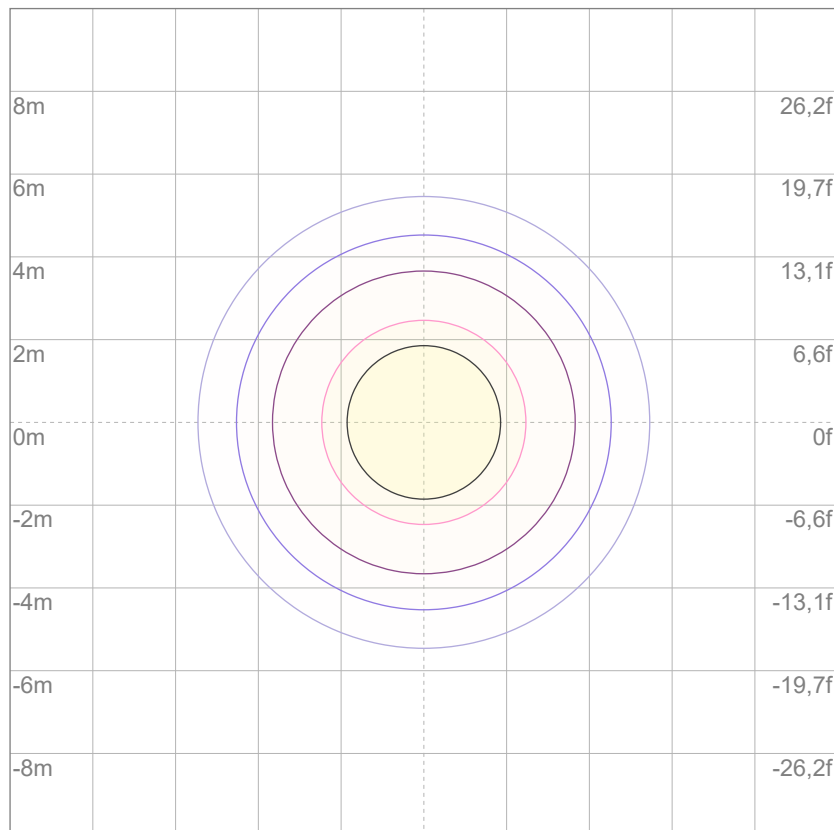
10%	7296 cd
20%	14593 cd
30%	21889 cd
40%	29186 cd
50%	36482 cd
60%	43779 cd
70%	51075 cd
80%	58372 cd

Conditions:

Number of c-planes: 2

Candela at center: 72965 cd

ISO LUX DIAGRAM



3%	21,9 lx
5%	36,5 lx
10%	73,0 lx
30%	219 lx
50%	365 lx

Conditions:

Number of c-planes: 2

Lux at center: 730 lx

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



Total lumen output:

14220 lm

Peak candela output:

27399 cd

Light quality:

CRI: 95,7

Color temperature:

5645 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

40°

Target:

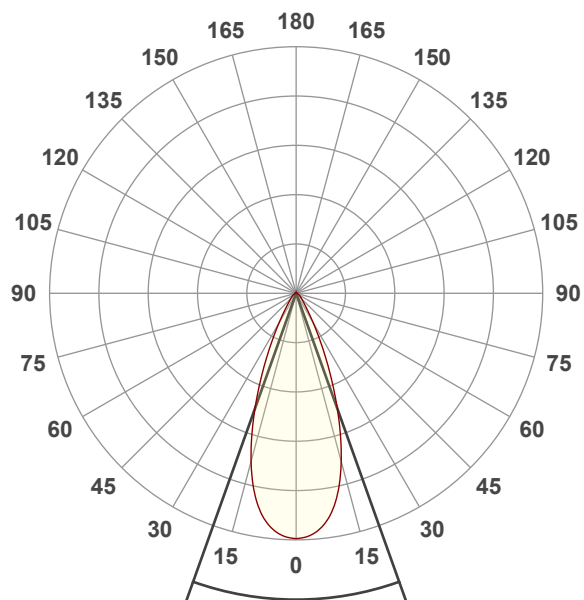
5600K

Operator:

Salvatore Giglio

Date and time:

22/01/2024 17:06:05

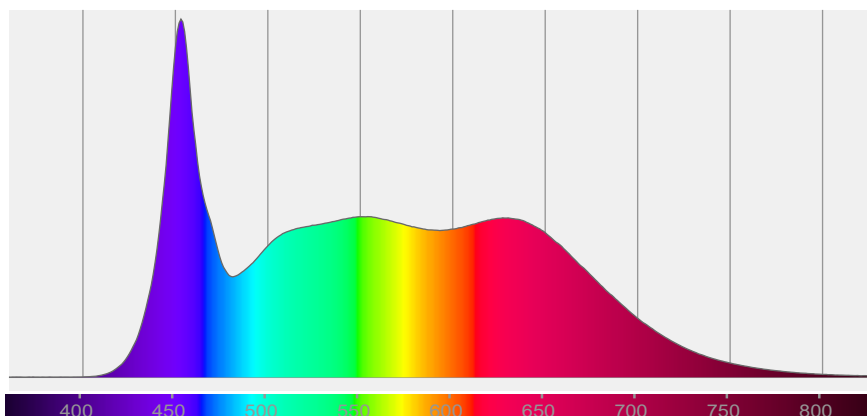


Beam angle 50%: 39,3°

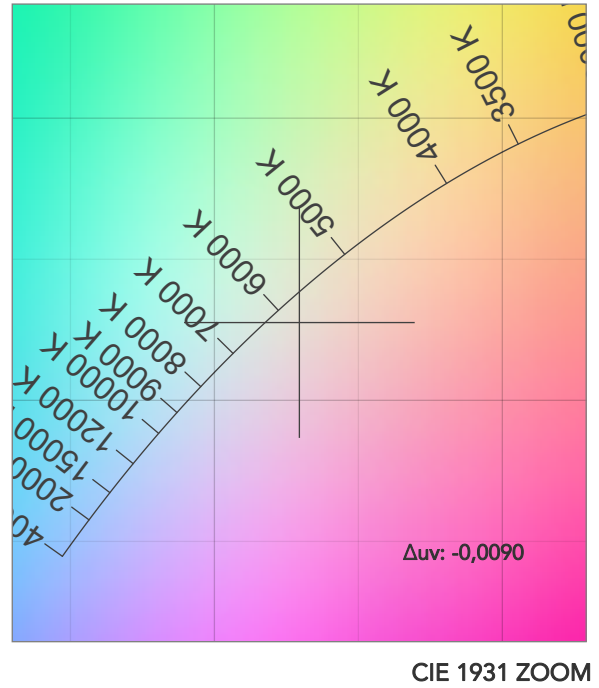
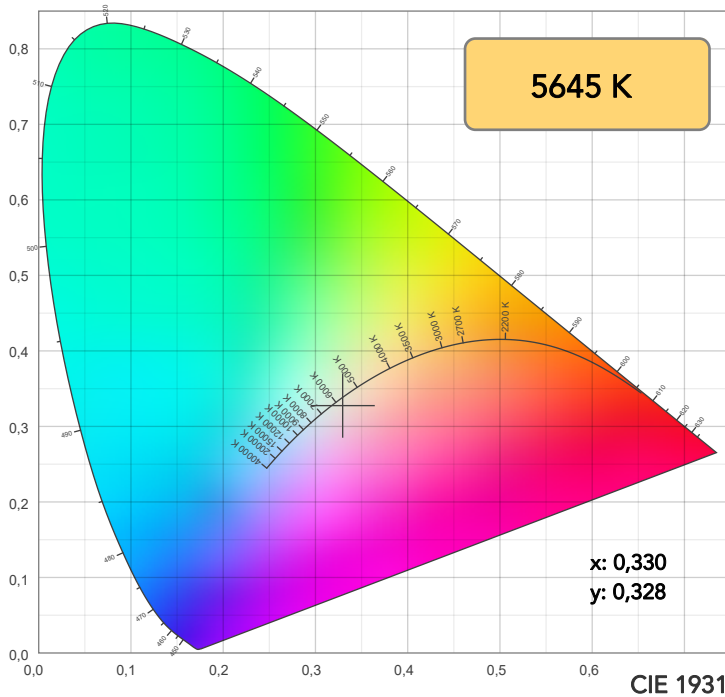
Field angle 10%: 65°

Cut off angle 2.5%: 97,9°

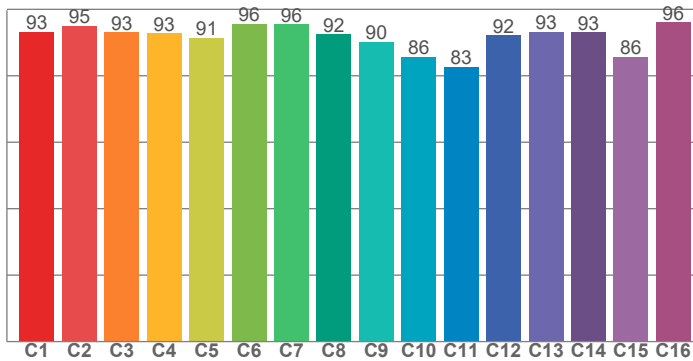
Spectra



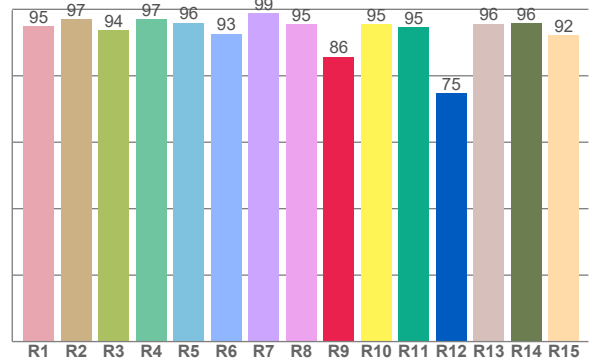
COLOR DETAILS



TM30: 91,5



CRI: 95,7 (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
95,0	97,1	93,6	97,1	95,9	92,7	98,8	95,5	85,8	95,5	94,5	74,7	95,7	95,9	92,2

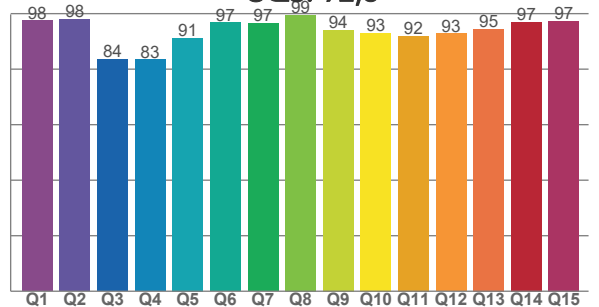
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,3	95,0	93,1	92,8	91,5	95,7	95,5	92,4	90,2	85,6	82,7	92,2	93,1	93,0	85,7	96,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,5	98,0	83,5	83,4	91,2	96,8	96,5	99,5	94,1	93,1	91,9	92,9	94,5	97,0	97,3

CQS: 92,3



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
5645 K	95,7	85,8	91,5	102,6	92,3	97	0,330	0,328	-0,0090

TM30 DETAILS

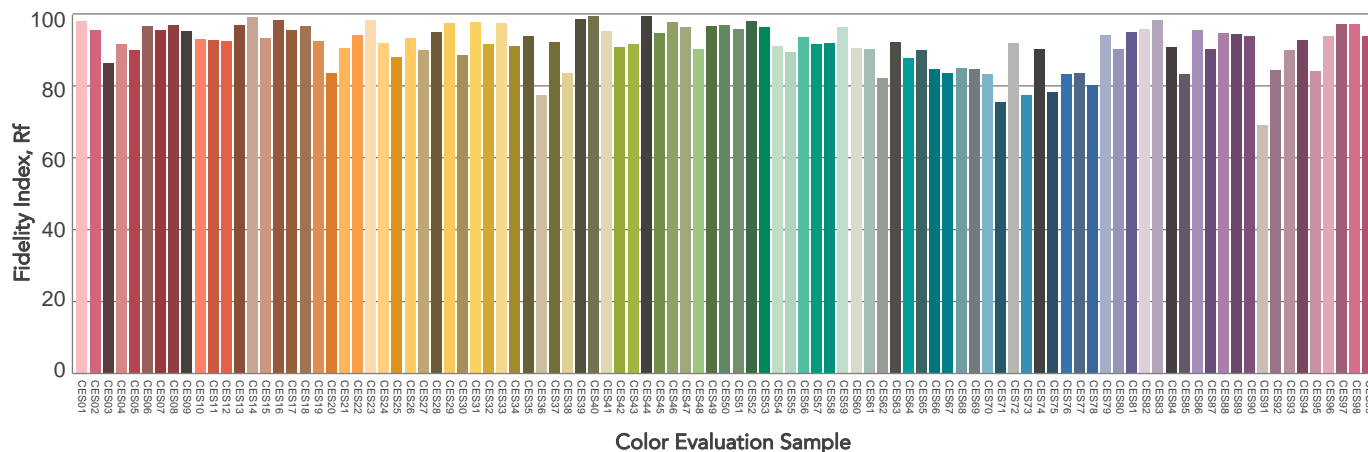
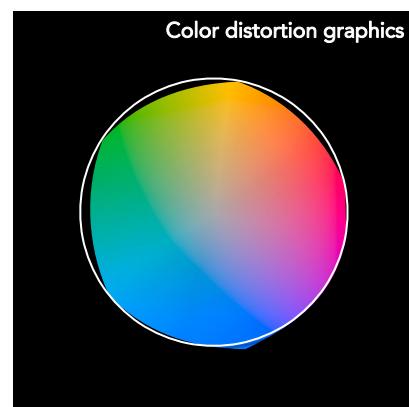
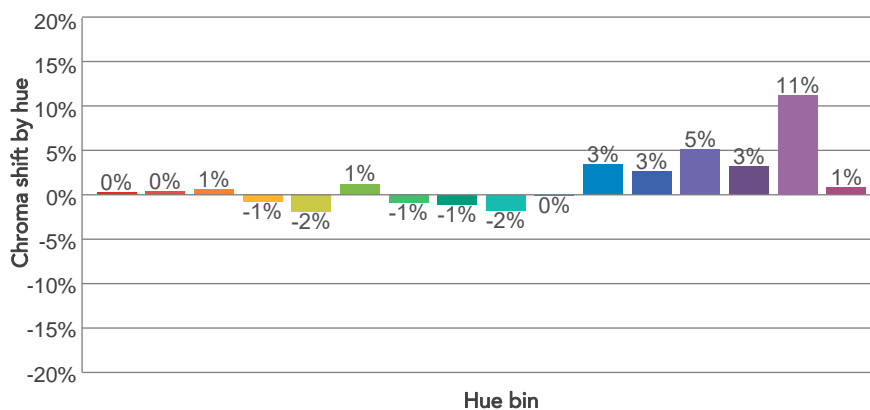
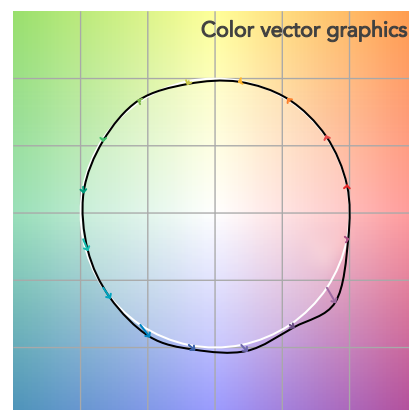
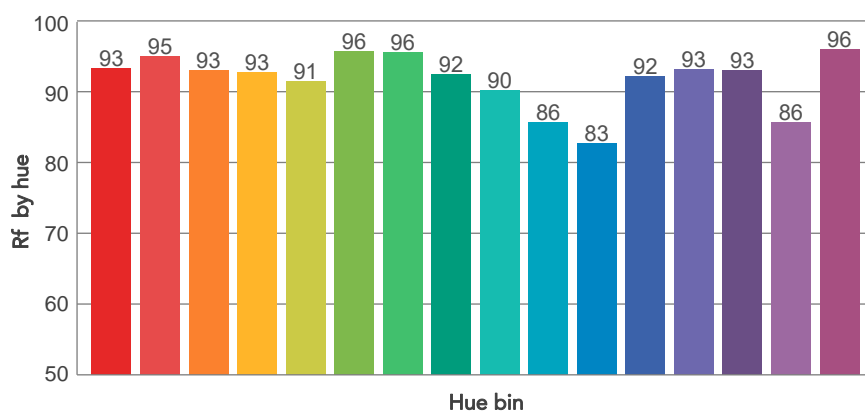
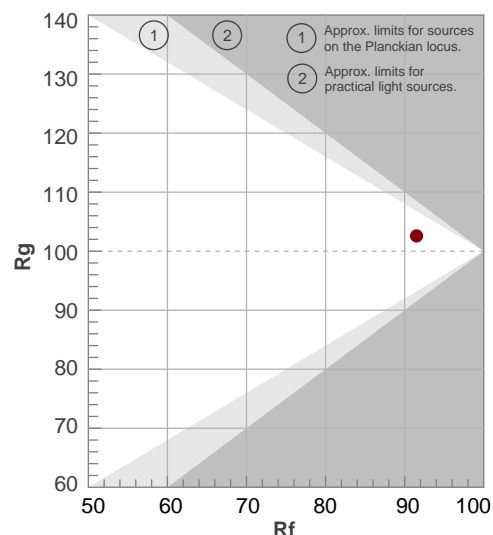
Rf 91,5

Fidelity index Rf

Rg 102,6

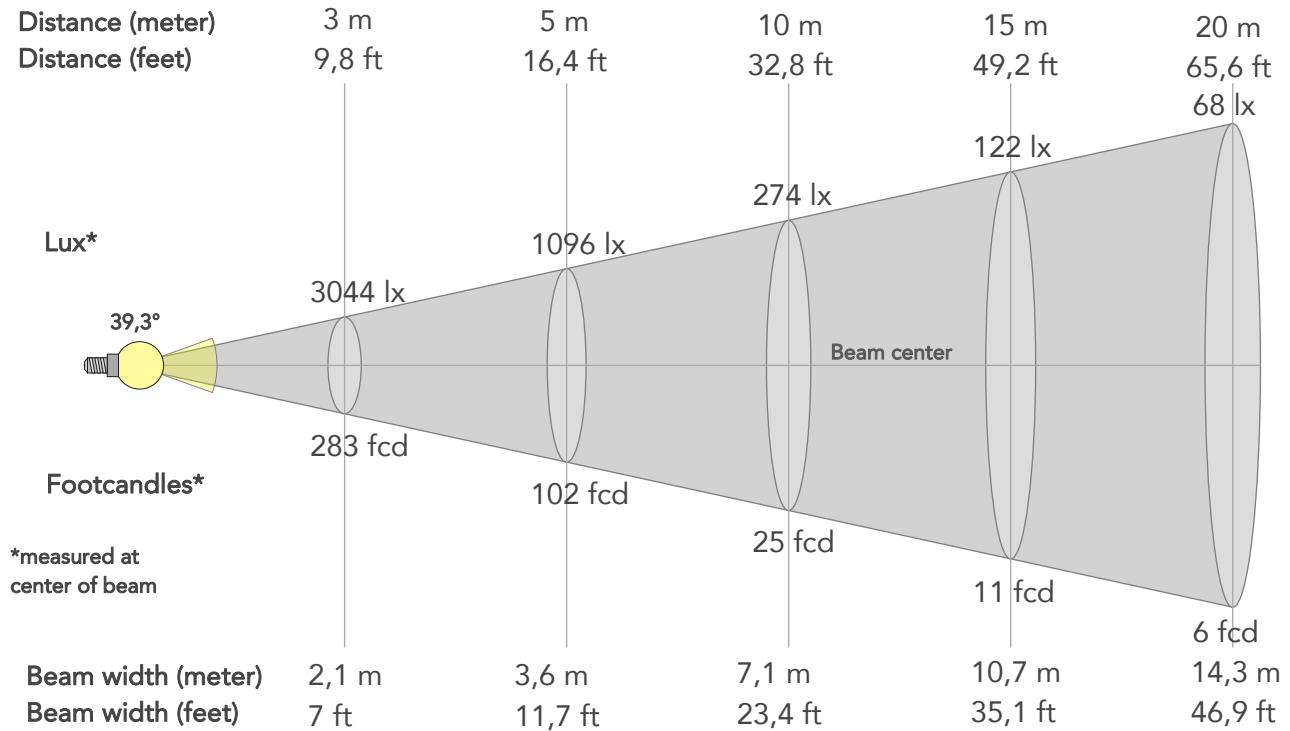
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	0%	1%
2	95	0%	2%
3	93	1%	2%
4	93	-1%	2%
5	91	-2%	1%
6	96	1%	1%
7	96	-1%	2%
8	92	-1%	4%
9	90	-2%	8%
10	86	0%	9%
11	83	3%	10%
12	92	3%	5%
13	93	5%	3%
14	93	3%	1%
15	86	11%	-5%
16	96	1%	0%



BEAM DETAILS

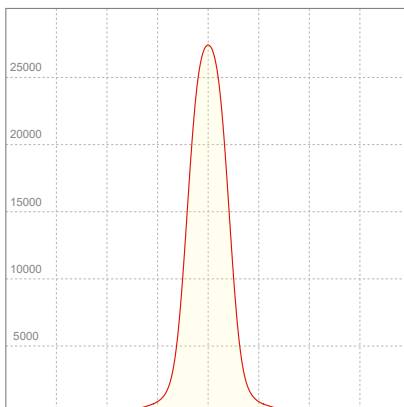
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,3°	65°	97,9°	96,7%	91,3%



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	27399lx	6850lx	3044lx	1712lx	1096lx	487lx	274lx	122lx	68lx	44lx	30lx	17lx	11lx
Footcand.	2545fcd	636fcd	283fcd	159fcd	102fcd	45fcd	25fcd	11fcd	6fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,7m	1,4m	2,1m	2,9m	3,6m	5,4m	7,1m	10,7m	14,3m	17,9m	21,4m	28,6m	35,7m
Beam wid.	2,4ft	4,7ft	7ft	9,4ft	11,7ft	17,6ft	23,4ft	35,1ft	46,9ft	58,6ft	70,3ft	93,7ft	117,1ft

LINEAR DISTRIBUTION DIAGRAM

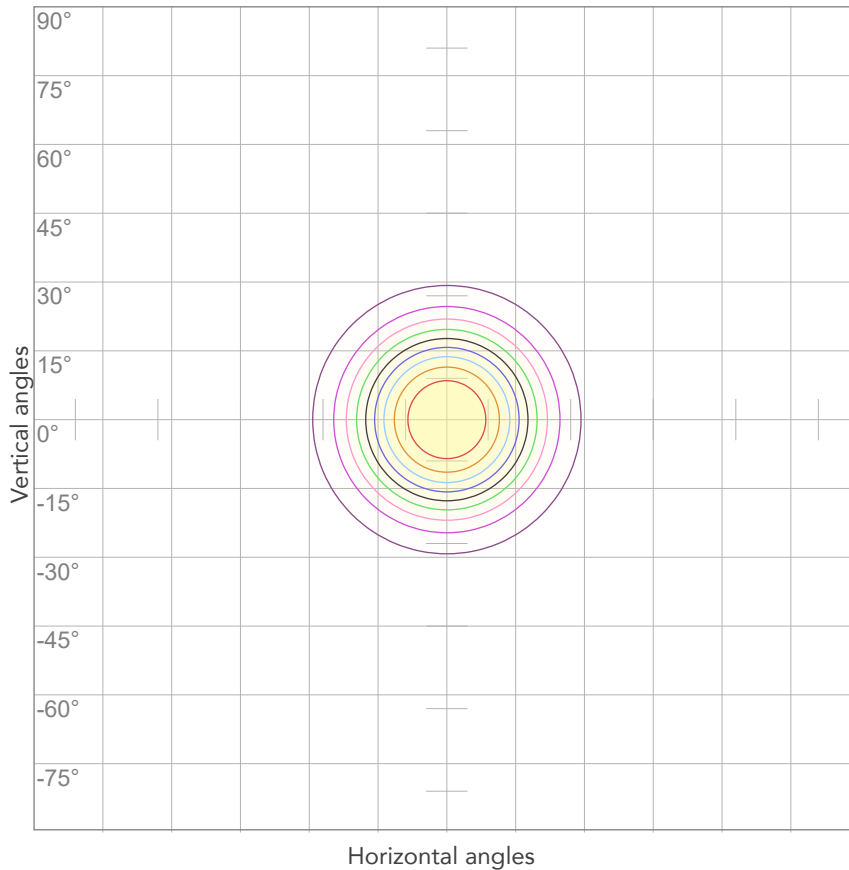


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,914A	197,8W	0,97	72lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



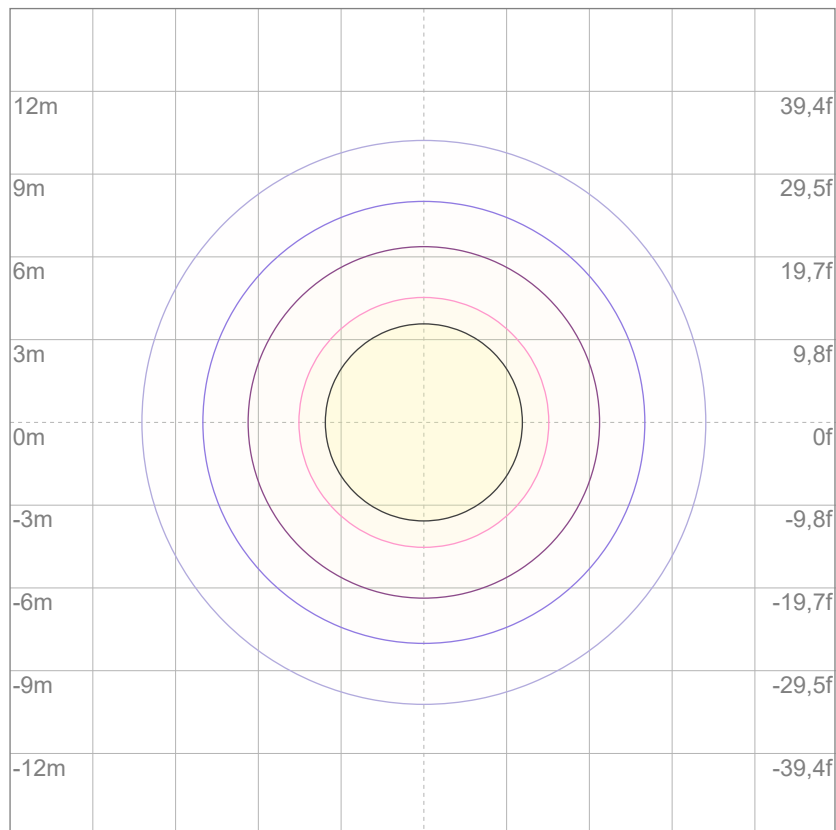
10%	2740 cd
20%	5480 cd
30%	8220 cd
40%	10960 cd
50%	13700 cd
60%	16439 cd
70%	19179 cd
80%	21919 cd

Conditions:

Number of c-planes: 2

Candela at center: 27399 cd

ISO LUX DIAGRAM



3%	8,22 lx
5%	13,7 lx
10%	27,4 lx
30%	82,2 lx
50%	137 lx

Conditions:

Number of c-planes: 2

Lux at center: 274 lx

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



Total lumen output:

12989 lm

Peak candela output:

13794 cd

Light quality:

CRI: 95,6

Color temperature:

5678 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

60°

Target:

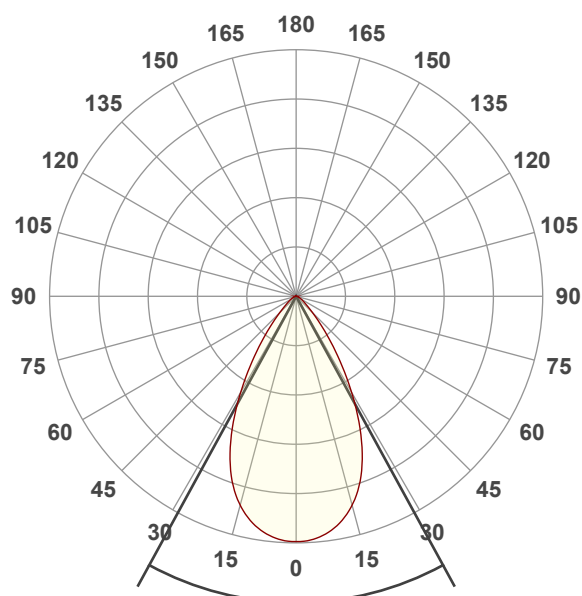
5600K

Operator:

Salvatore Giglio

Date and time:

22/01/2024 17:34:24

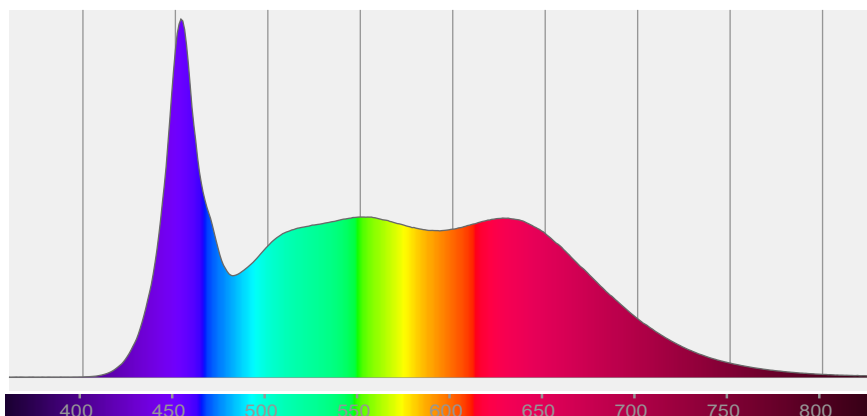


Beam angle 50%: 57,3°

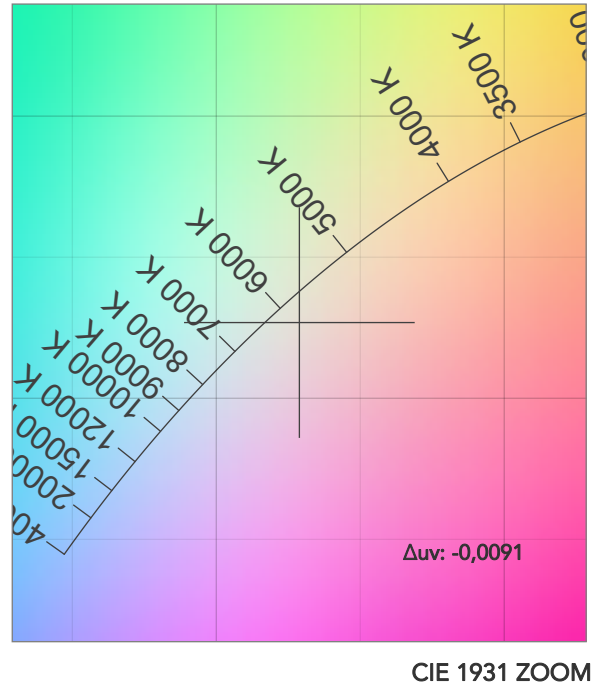
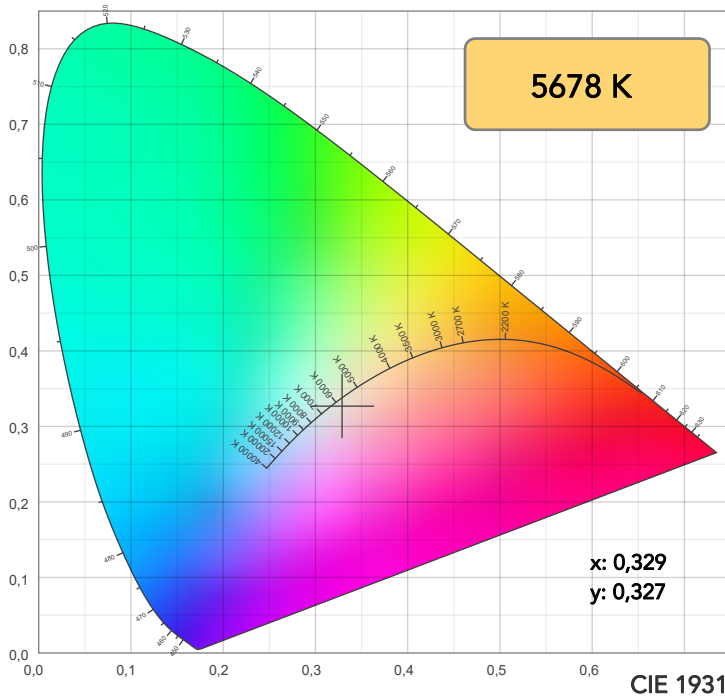
Field angle 10%: 89,4°

Cut off angle 2.5%: 119,8°

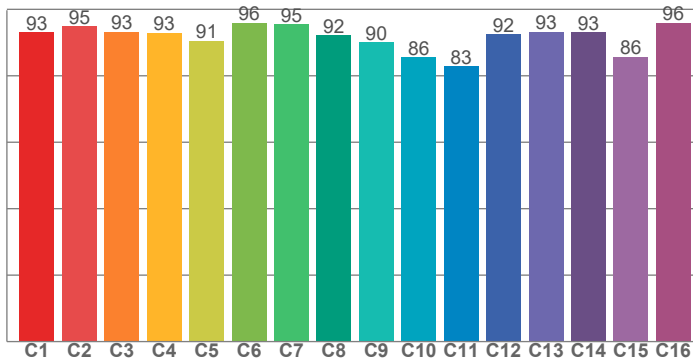
Spectra



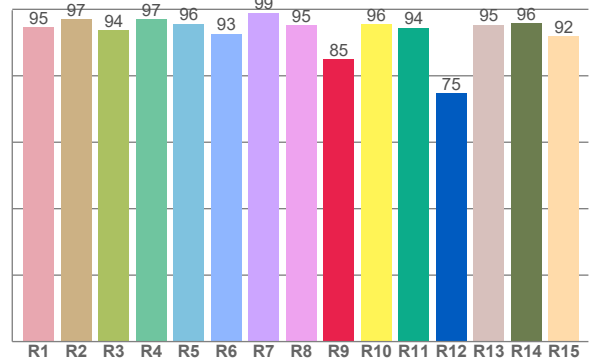
COLOR DETAILS



TM30: 91,5



CRI: 95,6 (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
94,7	97,0	93,7	97,0	95,7	92,7	99,0	95,2	85,0	95,6	94,5	74,7	95,4	95,9	91,8

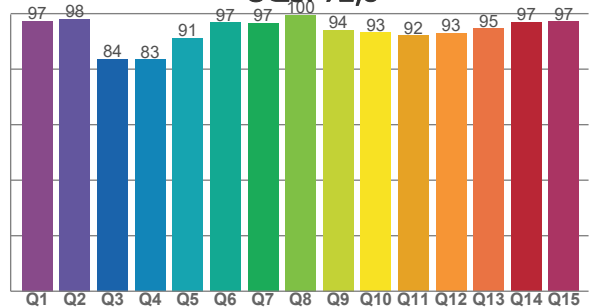
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,1	94,9	93,2	92,8	90,6	96,0	95,4	92,2	90,1	85,6	82,8	92,4	93,3	93,1	85,7	95,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,4	98,1	83,7	83,5	91,2	96,8	96,7	99,6	94,1	93,2	92,1	93,1	94,7	96,9	97,1

CQS: 92,3



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
5678 K	95,6	85,0	91,5	102,5	92,3	97	0,329	0,327	-0,0091

TM30 DETAILS

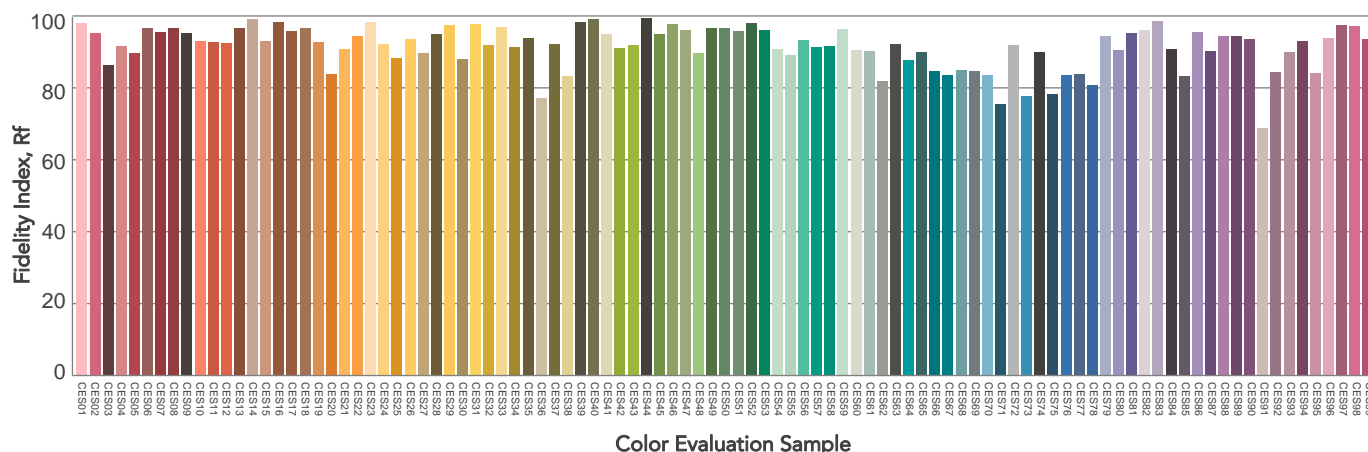
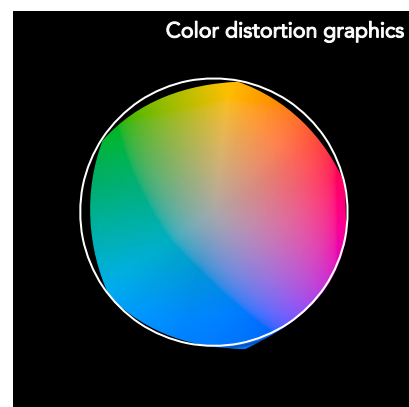
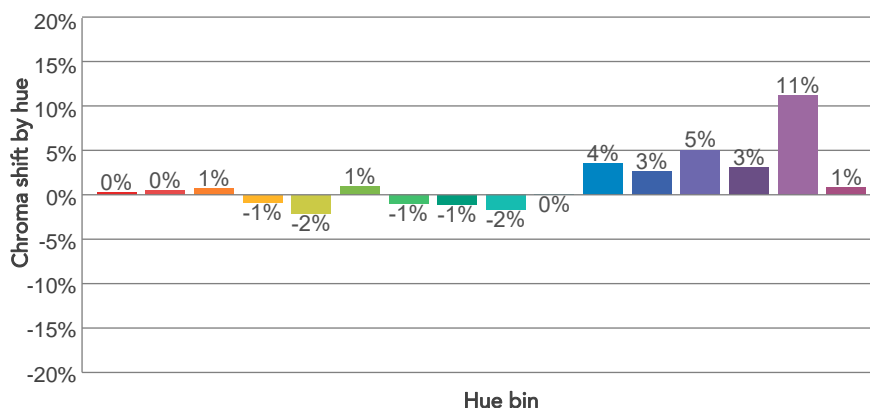
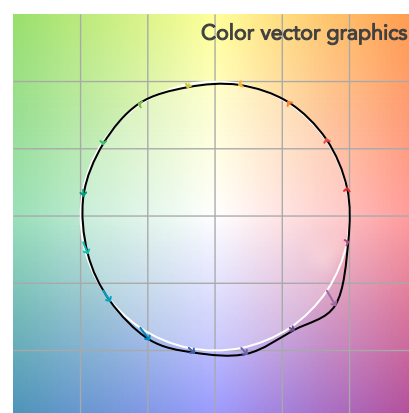
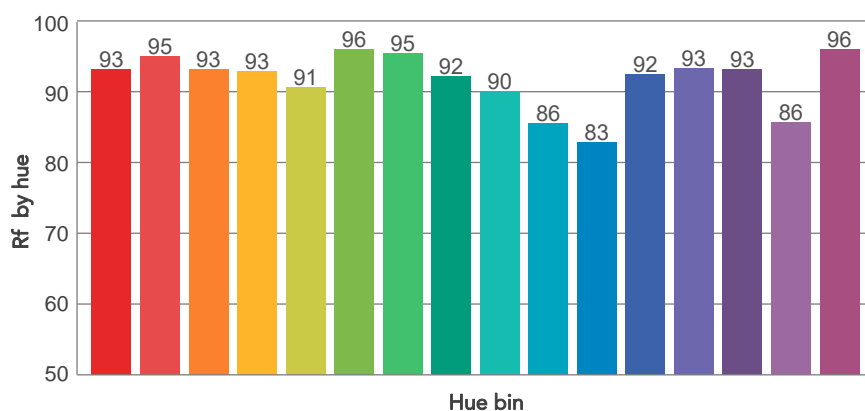
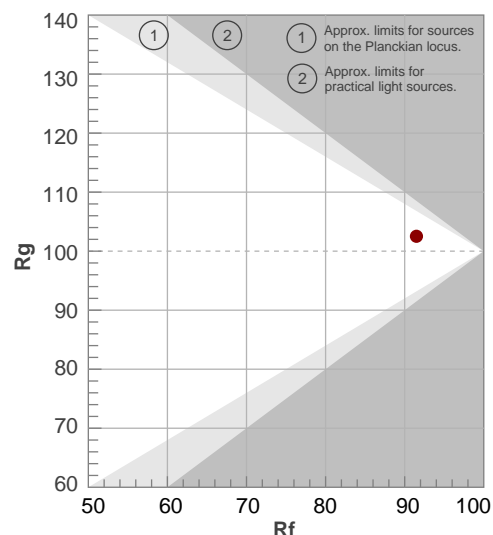
Rf 91,5

Fidelity index Rf

Rg 102,5

Gammut index

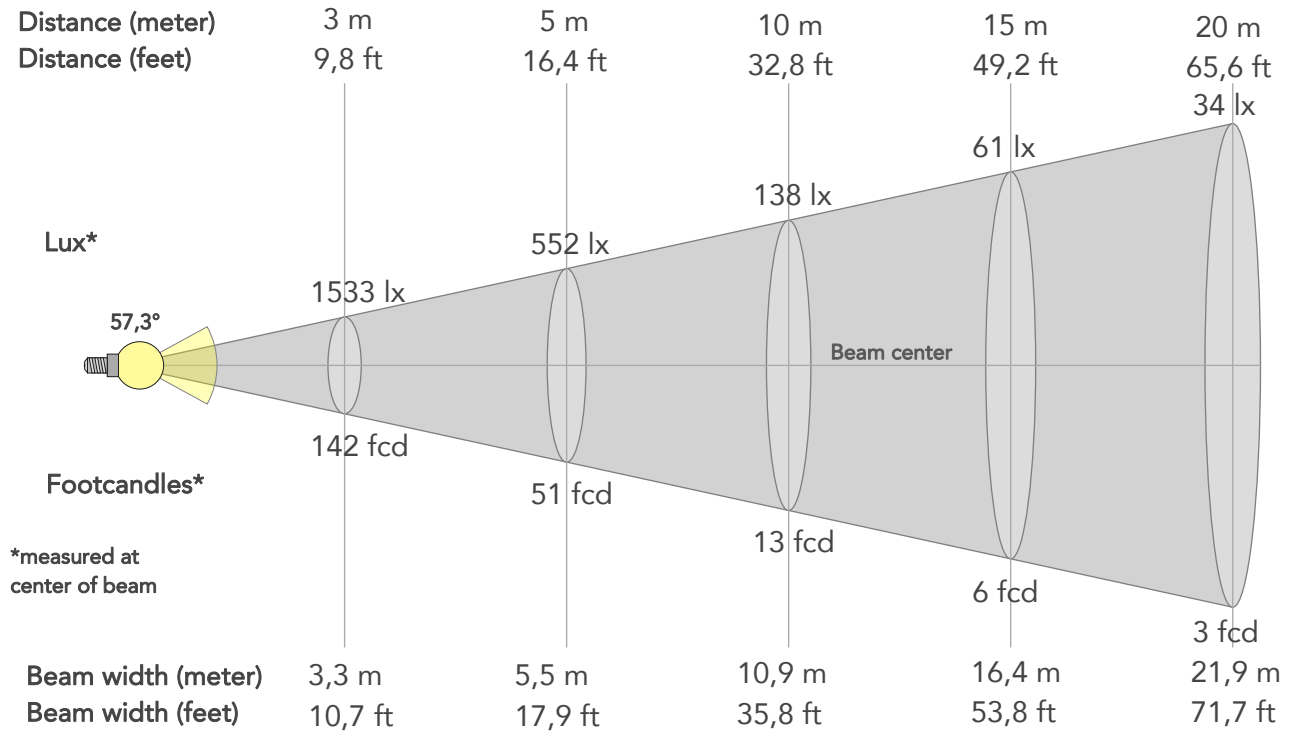
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	0%	1%
2	95	0%	2%
3	93	1%	2%
4	93	-1%	1%
5	91	-2%	1%
6	96	1%	1%
7	95	-1%	2%
8	92	-1%	4%
9	90	-2%	9%
10	86	0%	9%
11	83	4%	10%
12	92	3%	4%
13	93	5%	3%
14	93	3%	1%
15	86	11%	-5%
16	96	1%	0%



BEAM DETAILS



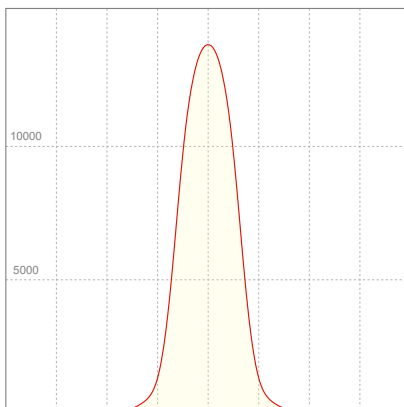
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,3°	89,4°	119,8°	97,5%	90,8%



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	13794lx	3448lx	1533lx	862lx	552lx	245lx	138lx	61lx	34lx	22lx	15lx	9lx	6lx
Footcand.	1281fcd	320fcd	142fcd	80fcd	51fcd	23fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	1fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,2m	10,9m	16,4m	21,9m	27,3m	32,8m	43,7m	54,6m
Beam wid.	3,6ft	7,2ft	10,7ft	14,3ft	17,9ft	26,9ft	35,8ft	53,8ft	71,7ft	89,6ft	107,5ft	143,4ft	179,2ft

LINEAR DISTRIBUTION DIAGRAM

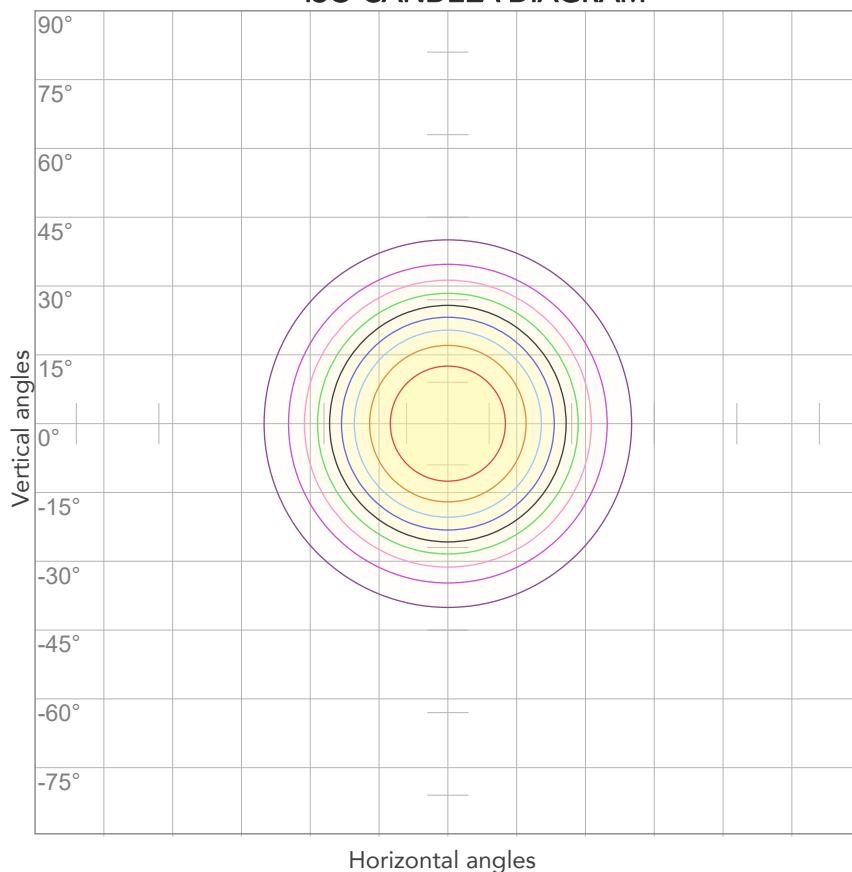


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,901A	196,9W	0,97	66lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



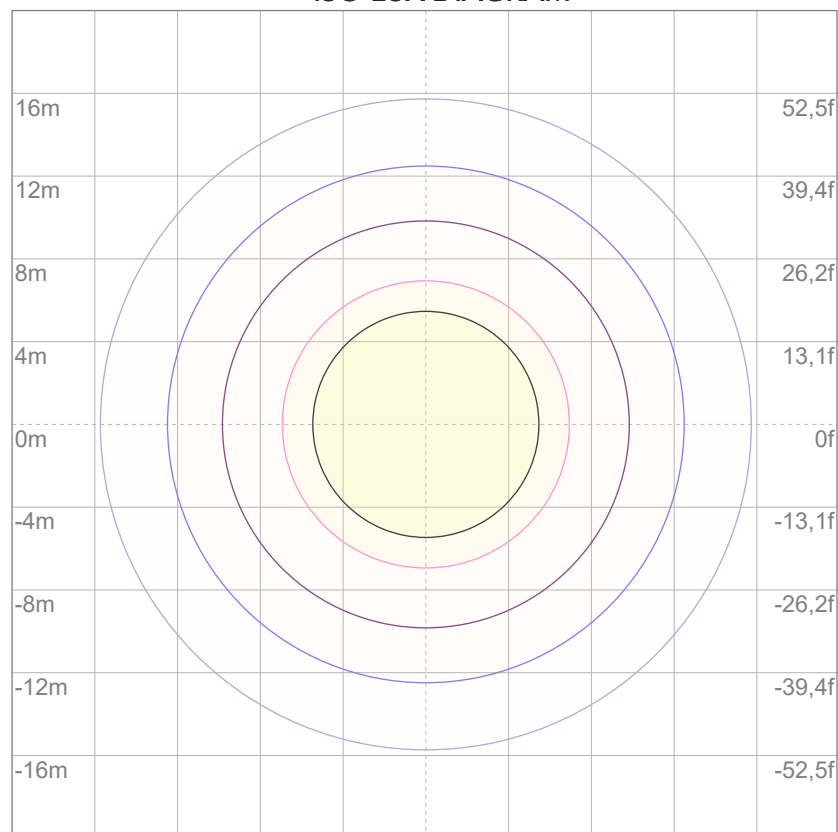
10%	1379 cd
20%	2759 cd
30%	4138 cd
40%	5518 cd
50%	6897 cd
60%	8276 cd
70%	9656 cd
80%	11035 cd

Conditions:

Number of c-planes: 2

Candela at center: 13794 cd

ISO LUX DIAGRAM



3%	4,14 lx
5%	6,90 lx
10%	13,8 lx
30%	41,4 lx
50%	69,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 138 lx

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



Total lumen output:

13445 lm

Peak candela output:

67954 cd

Light quality:

CRI: 96,2

Color temperature:

6087 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

20°

Target:

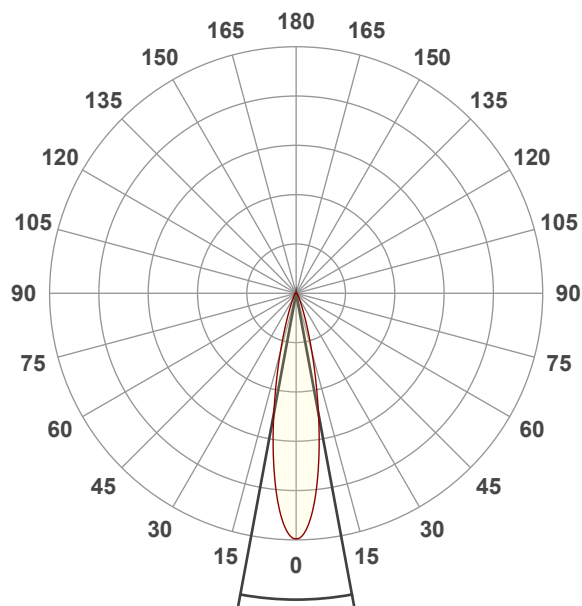
6000K

Operator:

Salvatore Giglio

Date and time:

22/01/2024 15:58:16

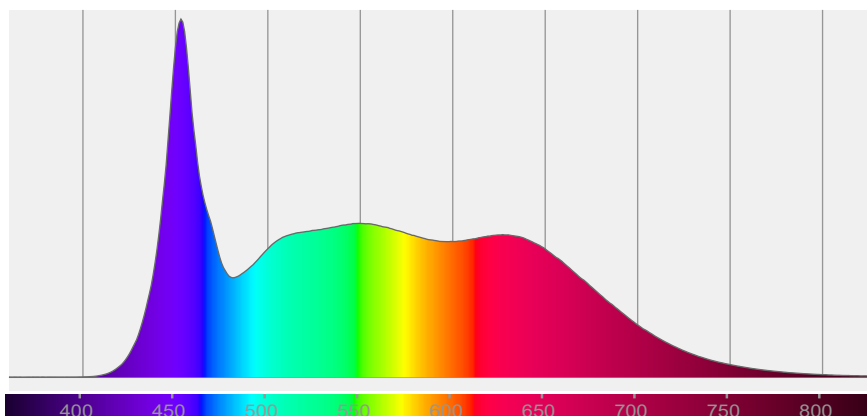


Beam angle 50%: 21°

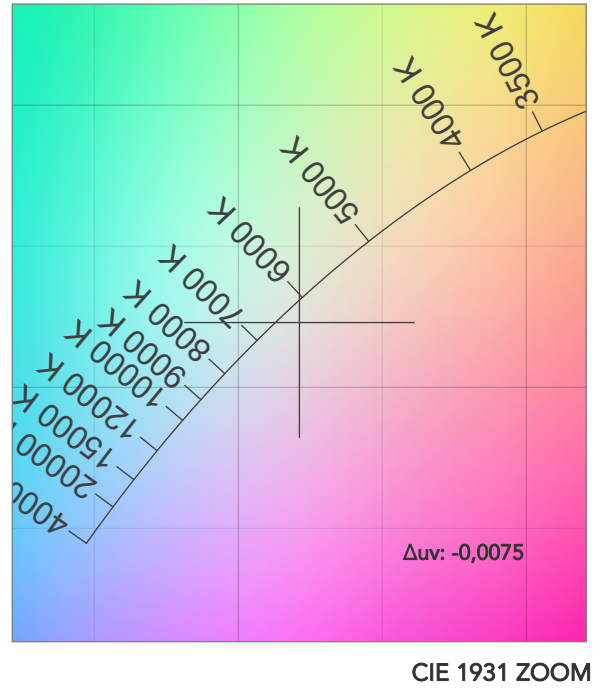
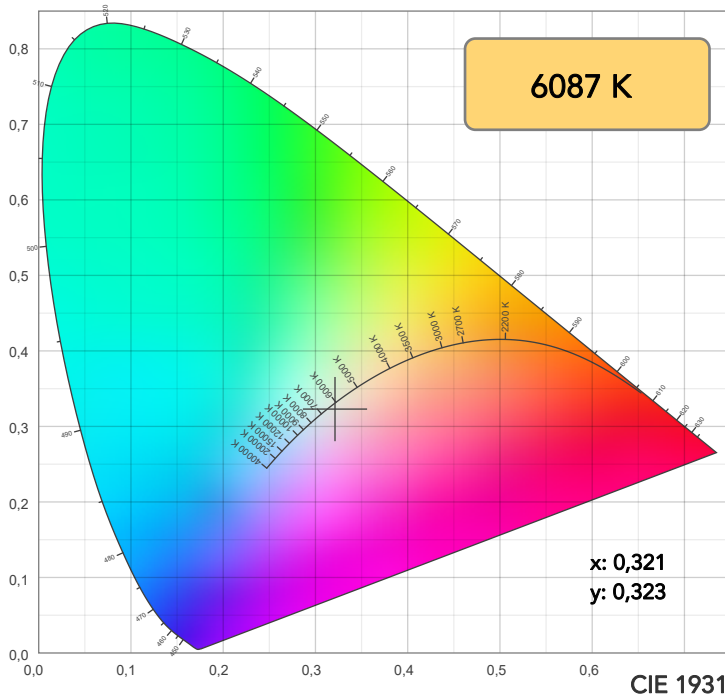
Field angle 10%: 40,2°

Cut off angle 2.5%: 61,3°

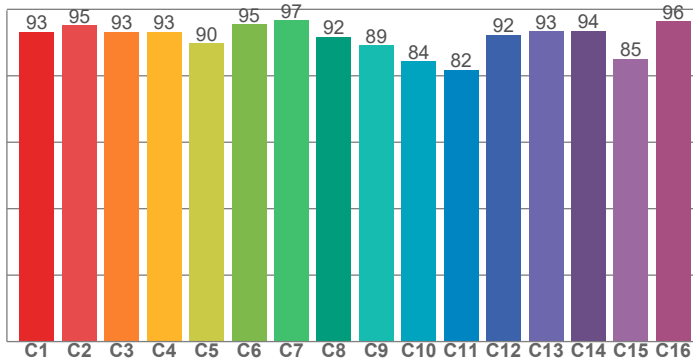
Spectra



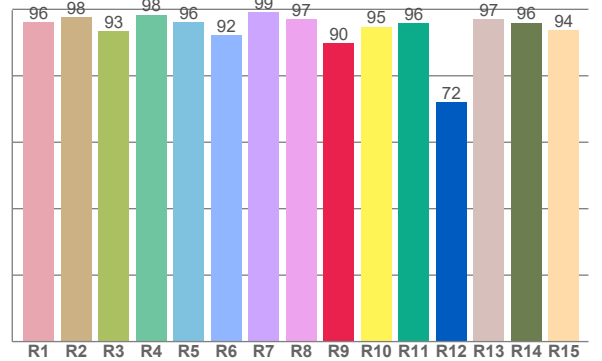
COLOR DETAILS



TM30: 91,2



CRI: 96,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,0	97,6	93,4	98,4	96,1	92,3	99,0	97,0	89,8	94,8	95,9	72,1	97,0	96,0	93,7

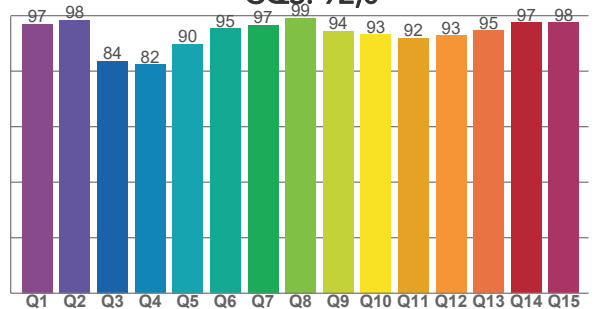
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,2	95,1	93,2	93,2	89,8	95,4	96,7	91,7	89,2	84,3	81,9	92,3	93,3	93,5	85,0	96,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,9	98,4	83,6	82,3	89,8	95,3	96,6	99,1	94,5	93,2	91,8	92,9	94,7	97,5	97,5

CQS: 92,0



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6087 K	96,2	89,8	91,2	101,8	92,0	97	0,321	0,323	-0,0075

TM30 DETAILS

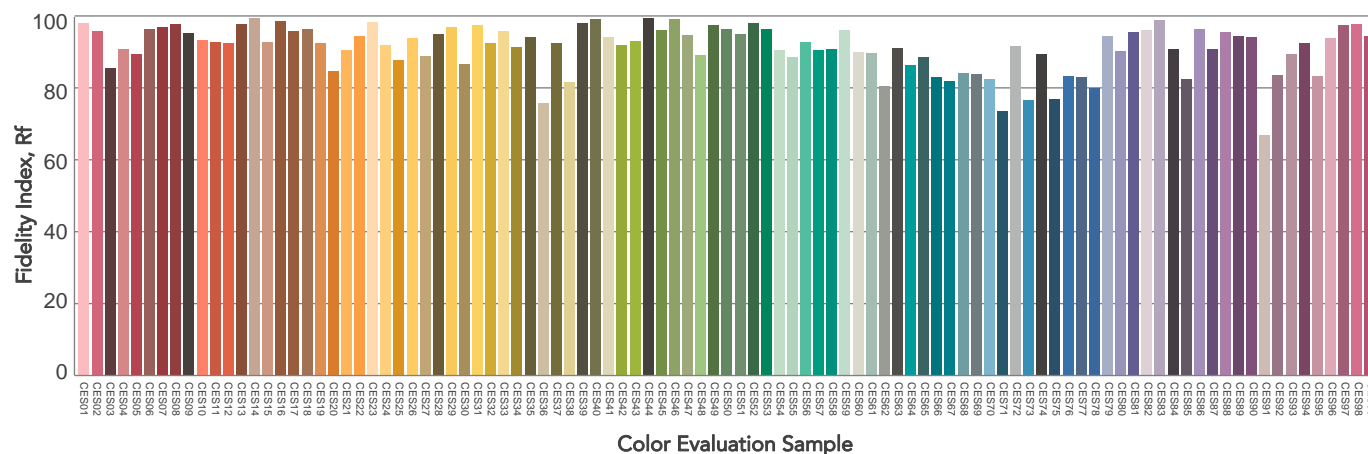
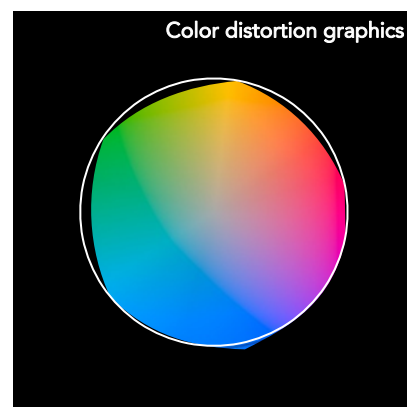
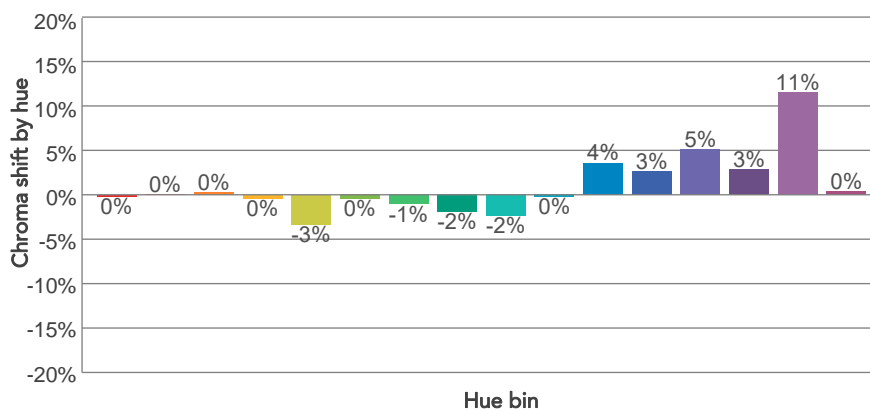
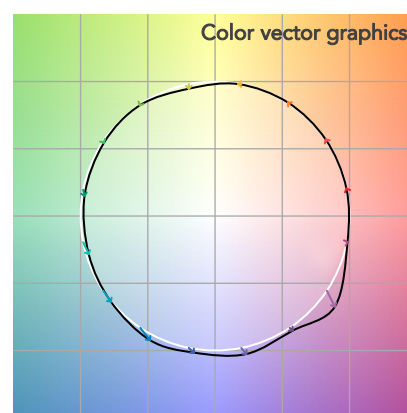
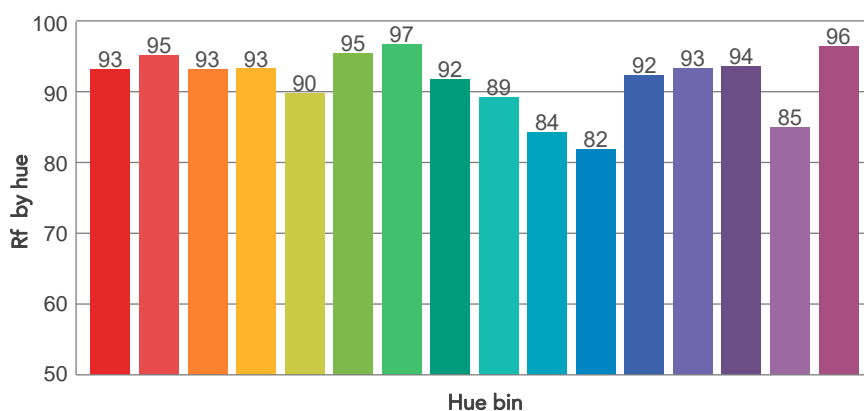
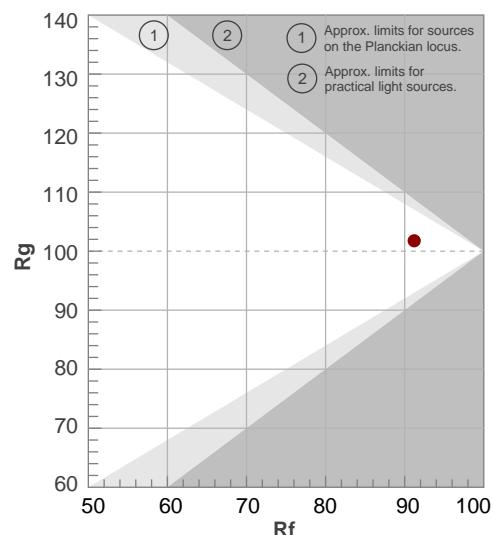
Rf 91,2

Fidelity index Rf

Rg 101,8

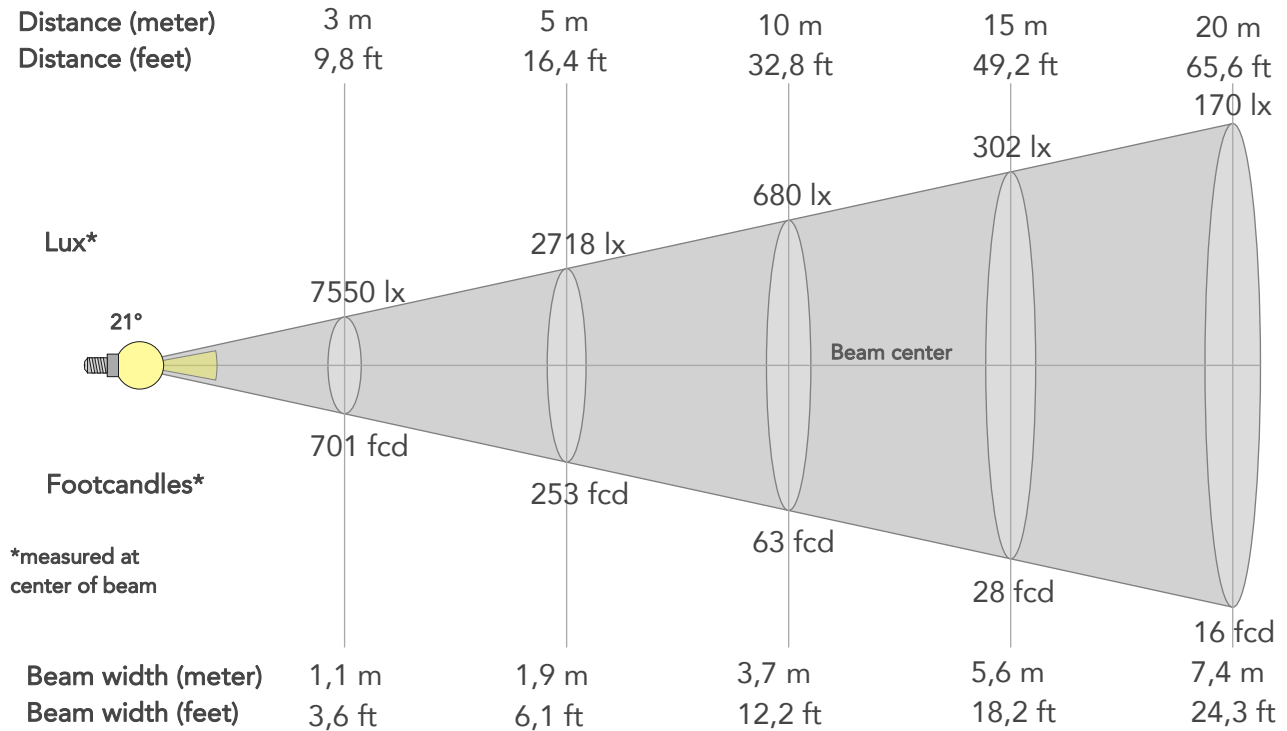
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	0%	1%
2	95	0%	2%
3	93	0%	2%
4	93	0%	2%
5	90	-3%	1%
6	95	0%	1%
7	97	-1%	1%
8	92	-2%	4%
9	89	-2%	9%
10	84	0%	10%
11	82	4%	11%
12	92	3%	5%
13	93	5%	3%
14	94	3%	1%
15	85	11%	-6%
16	96	0%	0%



BEAM DETAILS

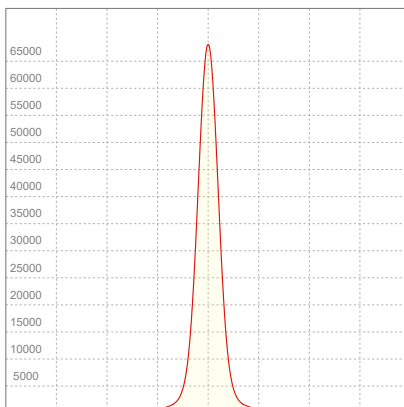
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21°	40,2°	61,3°	96,7%	91,5%



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	67954lx	16989lx	7550lx	4247lx	2718lx	1208lx	680lx	302lx	170lx	109lx	76lx	42lx	27lx
Footcand.	6313fcd	1578fcd	701fcd	395fcd	253fcd	112fcd	63fcd	28fcd	16fcd	10fcd	7fcd	4fcd	3fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,9m	2,8m	3,7m	5,6m	7,4m	9,3m	11,1m	14,8m	18,5m
Beam wid.	1,2ft	2,4ft	3,6ft	4,9ft	6,1ft	9,1ft	12,2ft	18,2ft	24,3ft	30,4ft	36,5ft	48,6ft	60,8ft

LINEAR DISTRIBUTION DIAGRAM

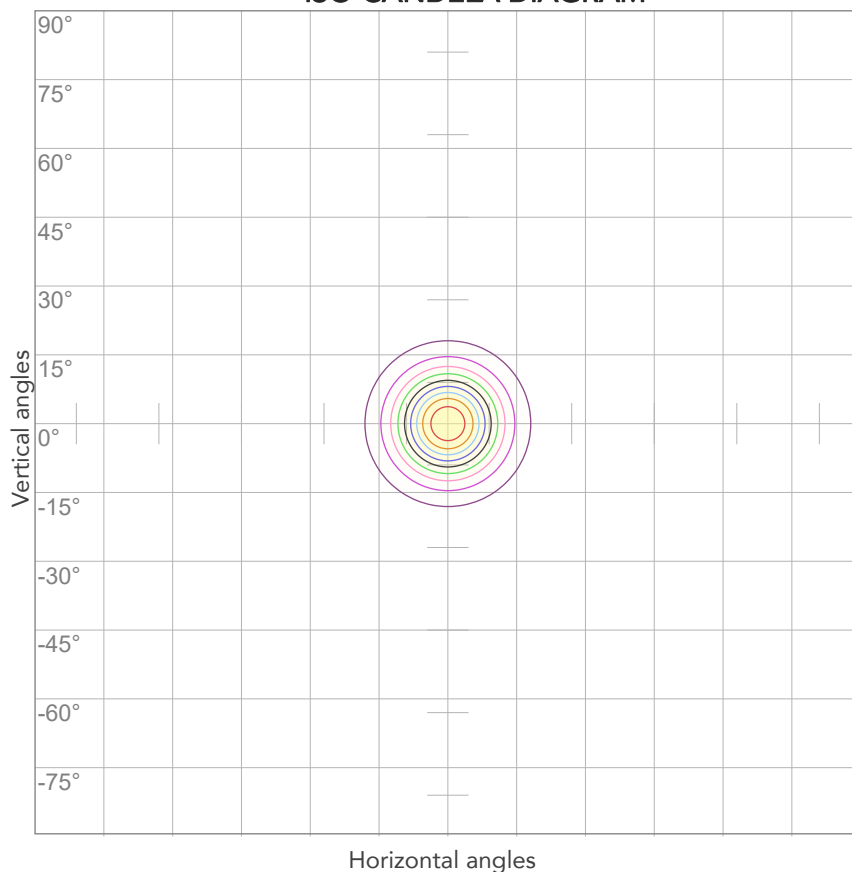


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,820A	177,7W	0,97	76lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



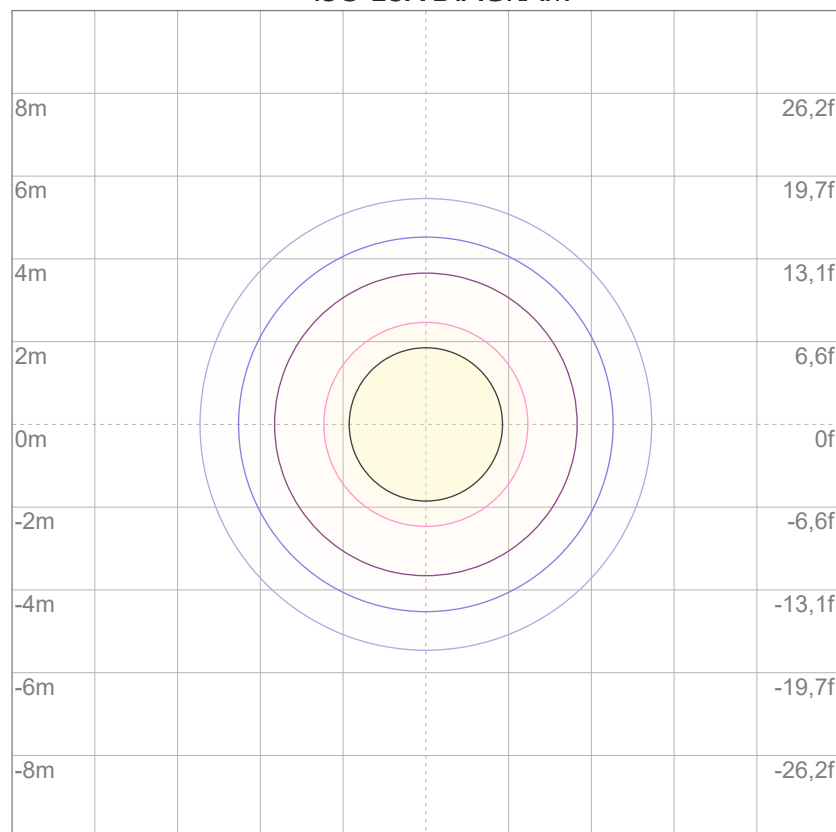
10%	6795 cd
20%	13591 cd
30%	20386 cd
40%	27182 cd
50%	33977 cd
60%	40772 cd
70%	47568 cd
80%	54363 cd

Conditions:

Number of c-planes: 2

Candela at center: 67954 cd

ISO LUX DIAGRAM



3%	20,4 lx
5%	34,0 lx
10%	68,0 lx
30%	204 lx
50%	340 lx

Conditions:

Number of c-planes: 2

Lux at center: 680 lx

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



Total lumen output:

13236 lm

Peak candela output:

25524 cd

Light quality:

CRI: 96,2

Color temperature:

6085 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

40°

Target:

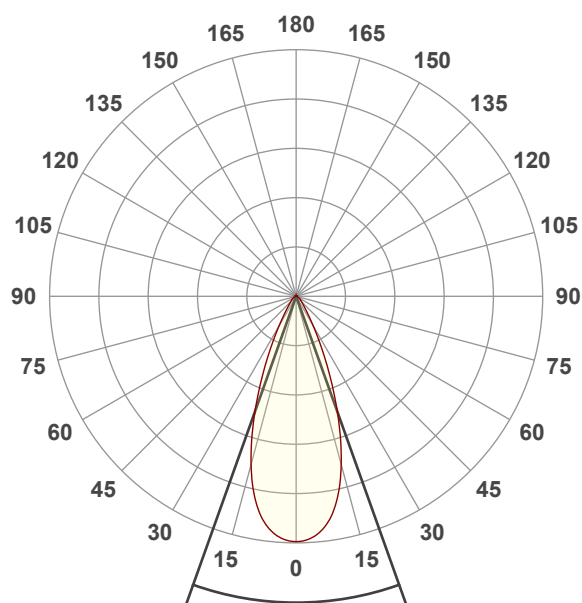
6000K

Operator:

Salvatore Giglio

Date and time:

22/01/2024 16:56:18

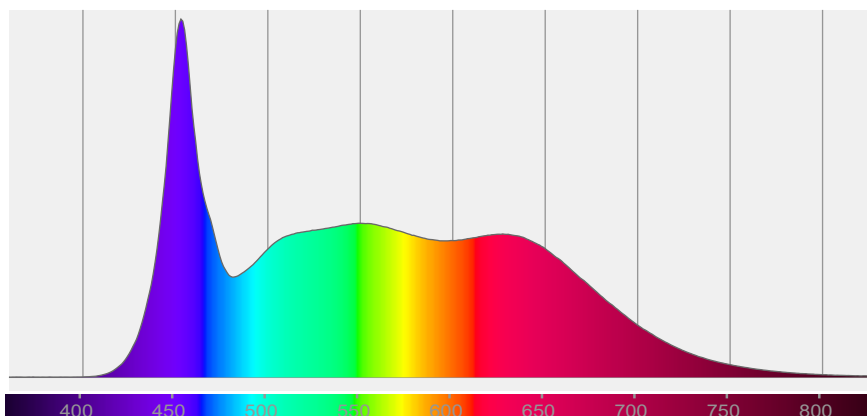


Beam angle 50%: 39,3°

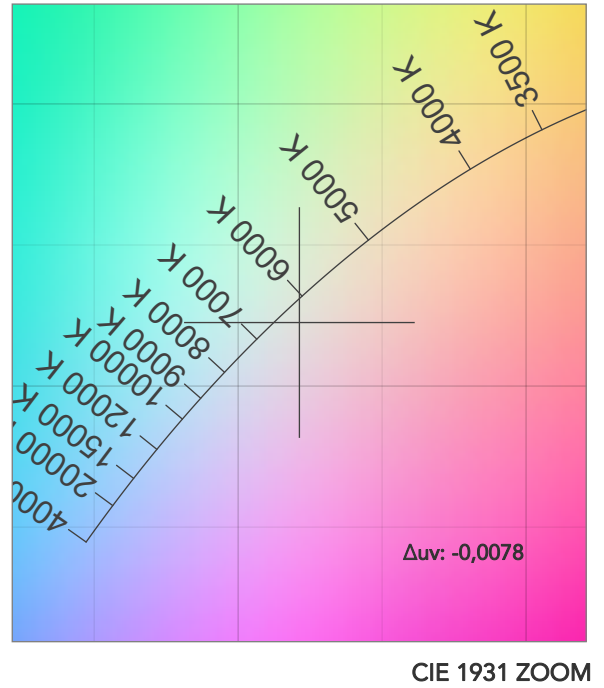
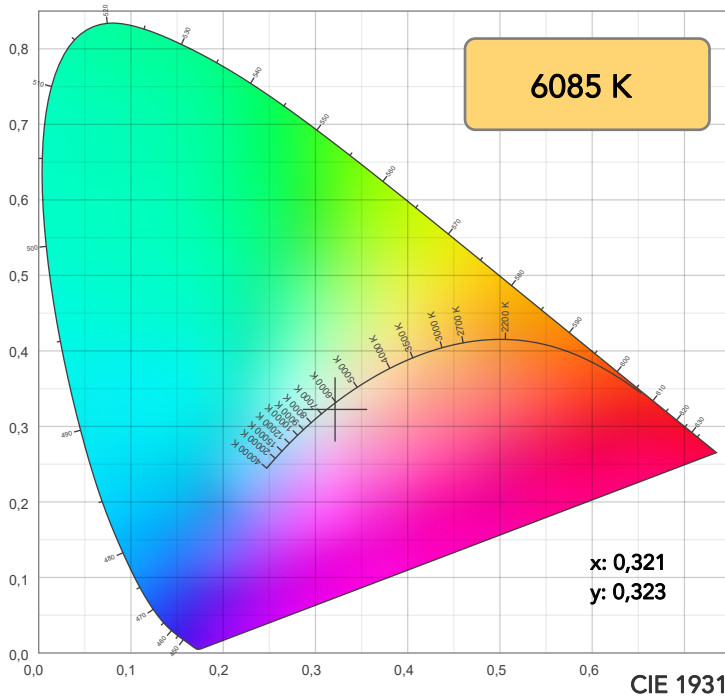
Field angle 10%: 65°

Cut off angle 2.5%: 97,8°

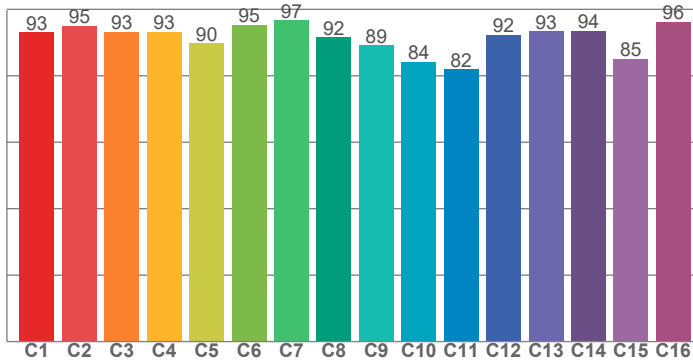
Spectra



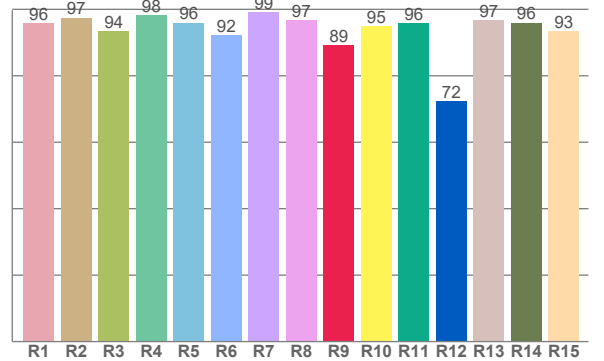
COLOR DETAILS



TM30: 91,2



CRI: 96,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,8	97,5	93,5	98,3	96,0	92,3	99,1	96,8	89,2	95,0	95,8	72,2	96,7	96,0	93,3

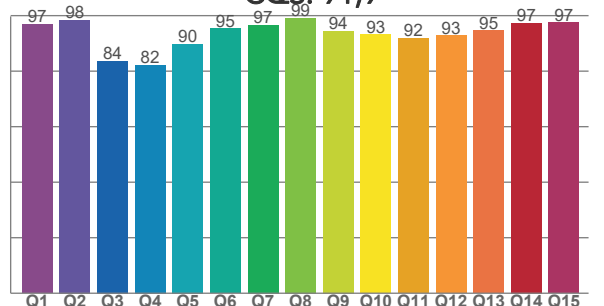
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,1	95,0	93,2	93,2	89,8	95,4	96,7	91,6	89,1	84,3	81,9	92,4	93,3	93,5	85,0	96,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,9	98,4	83,6	82,3	89,8	95,3	96,7	99,2	94,4	93,2	91,8	92,8	94,6	97,3	97,4

CQS: 91,9



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6085 K	96,2	89,2	91,2	101,8	91,9	97	0,321	0,323	-0,0078

TM30 DETAILS

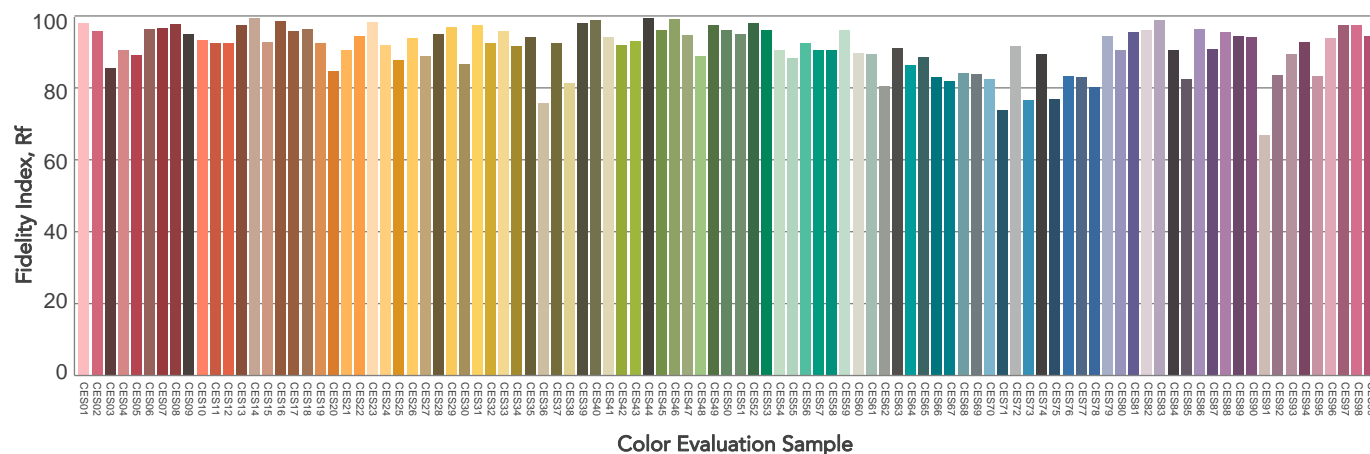
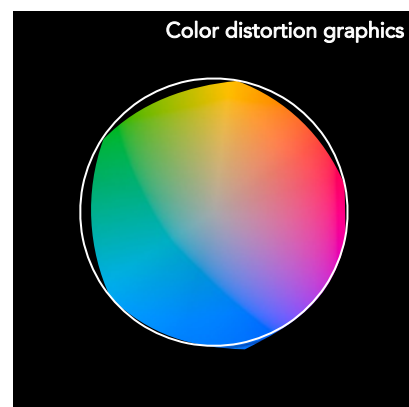
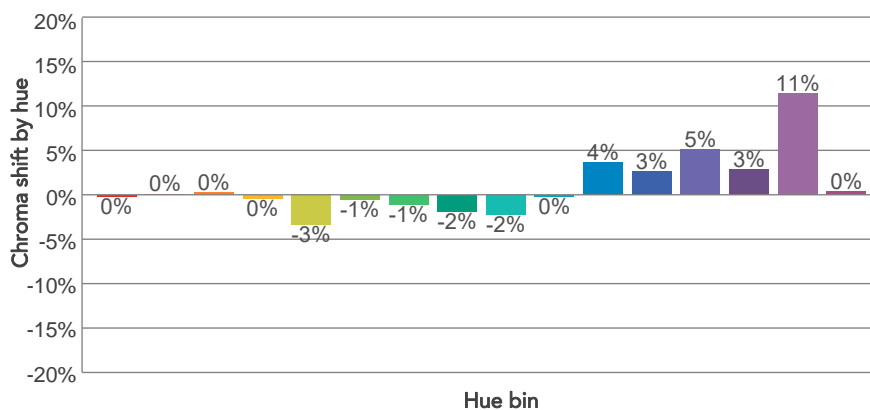
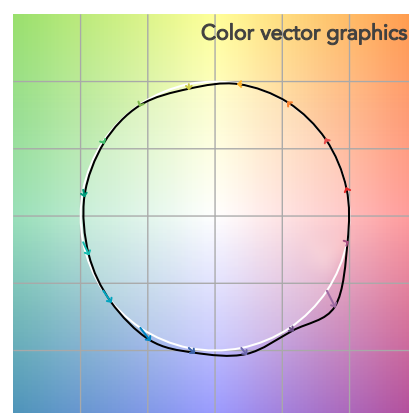
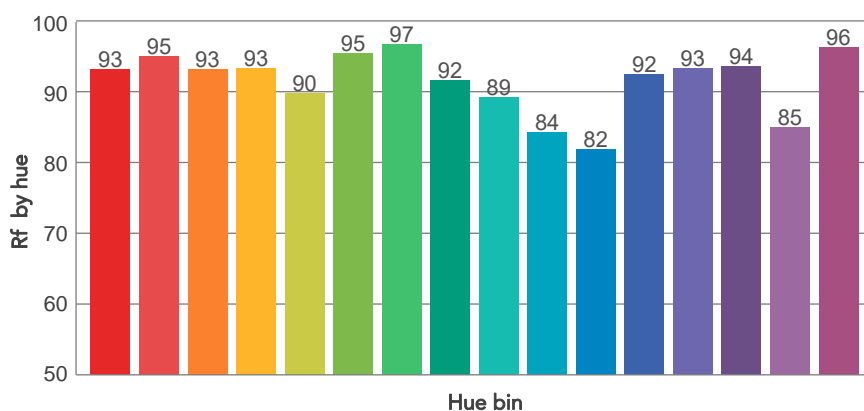
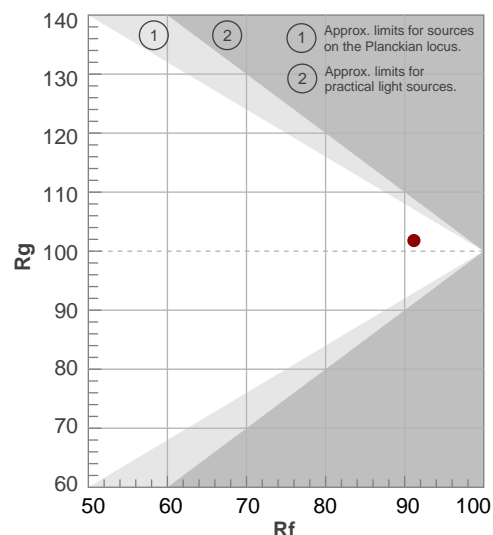
Rf 91,2

Fidelity index Rf

Rg 101,8

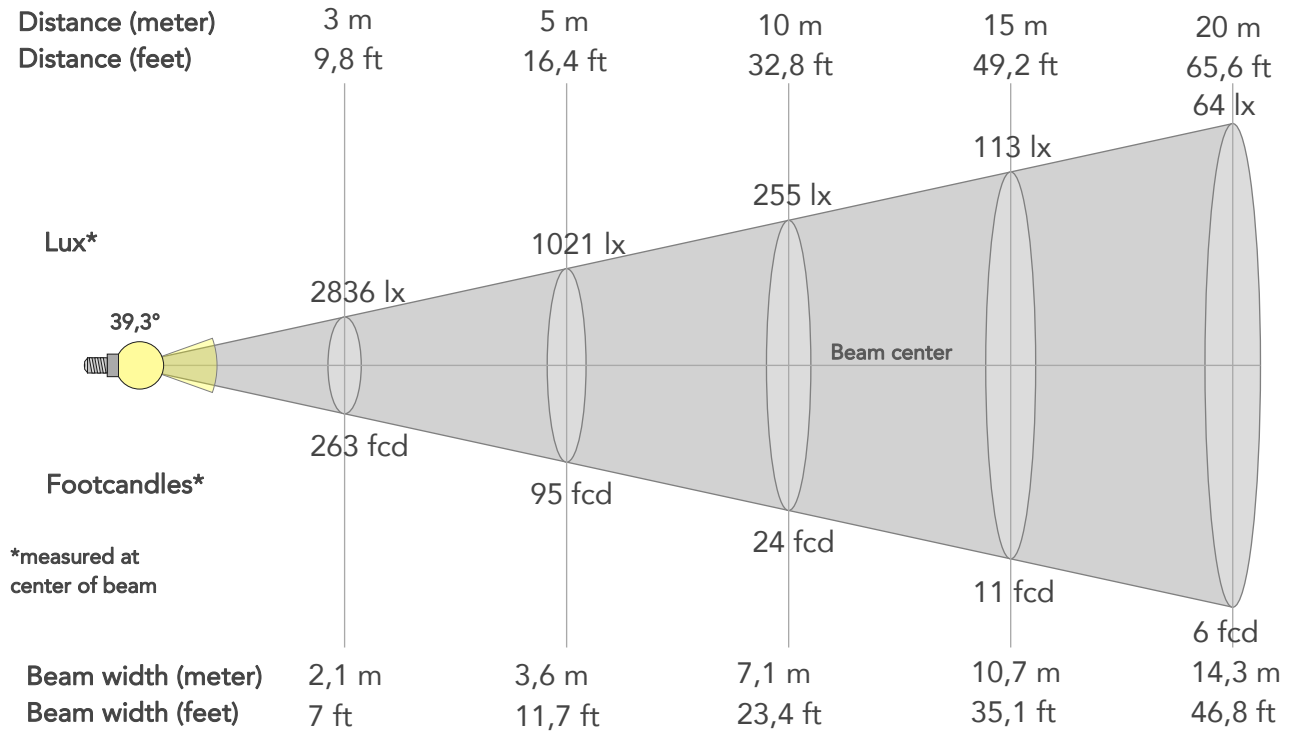
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	0%	1%
2	95	0%	2%
3	93	0%	2%
4	93	0%	2%
5	90	-3%	1%
6	95	-1%	1%
7	97	-1%	1%
8	92	-2%	4%
9	89	-2%	9%
10	84	0%	10%
11	82	4%	11%
12	92	3%	4%
13	93	5%	3%
14	94	3%	1%
15	85	11%	-6%
16	96	0%	0%



BEAM DETAILS

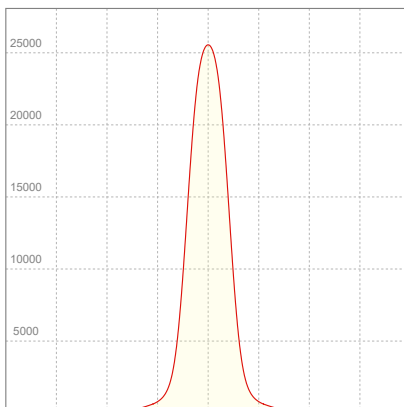
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,3°	65°	97,8°	96,7%	91,3%



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	25524lx	6381lx	2836lx	1595lx	1021lx	454lx	255lx	113lx	64lx	41lx	28lx	16lx	10lx
Footcand.	2371fcd	593fcd	263fcd	148fcd	95fcd	42fcd	24fcd	11fcd	6fcd	4fcd	3fcd	1fcd	1fcd
Beam wid.	0,7m	1,4m	2,1m	2,9m	3,6m	5,4m	7,1m	10,7m	14,3m	17,9m	21,4m	28,6m	35,7m
Beam wid.	2,4ft	4,7ft	7ft	9,4ft	11,7ft	17,6ft	23,4ft	35,1ft	46,8ft	58,6ft	70,3ft	93,7ft	117,1ft

LINEAR DISTRIBUTION DIAGRAM

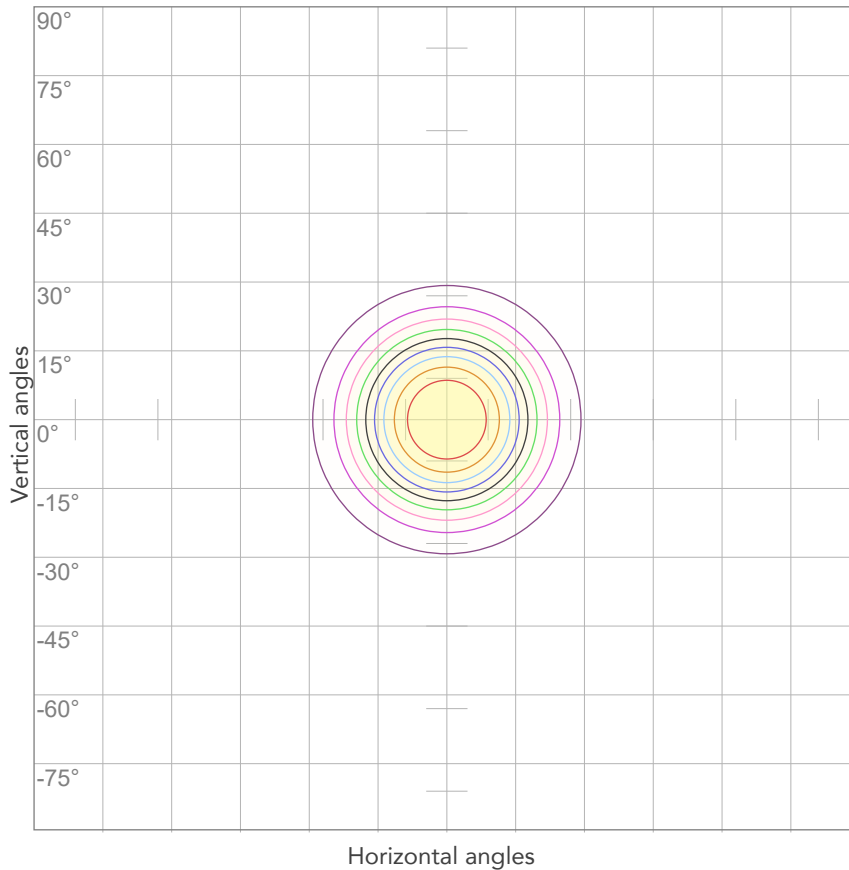


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
223V	0,838A	179,9W	0,96	74lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



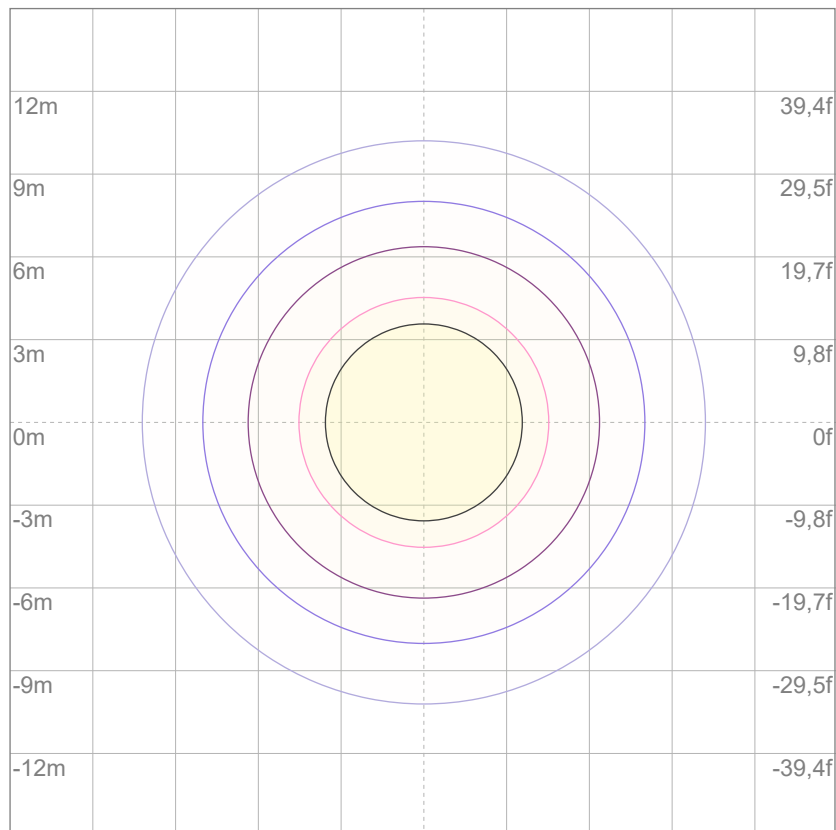
10%	2552 cd
20%	5105 cd
30%	7657 cd
40%	10210 cd
50%	12762 cd
60%	15314 cd
70%	17867 cd
80%	20419 cd

Conditions:

Number of c-planes: 2

Candela at center: 25524 cd

ISO LUX DIAGRAM



3%	7,66 lx
5%	12,8 lx
10%	25,5 lx
30%	76,6 lx
50%	128 lx

Conditions:

Number of c-planes: 2

Lux at center: 255 lx

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



Total lumen output:

12290 lm

Peak candela output:

13040 cd

Light quality:

CRI: 96,0

Color temperature:

6045 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

60°

Target:

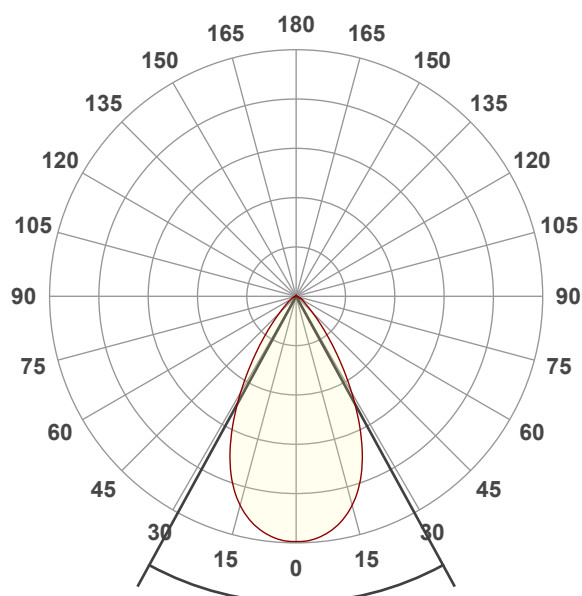
6000K

Operator:

Salvatore Giglio

Date and time:

22/01/2024 17:37:43

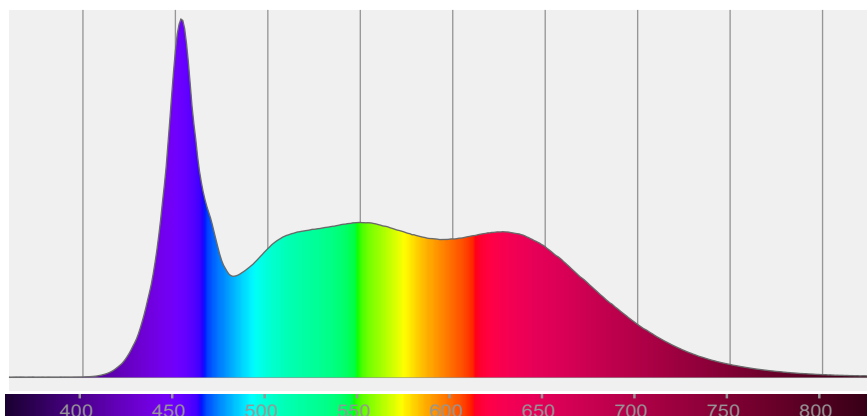


Beam angle 50%: 57,3°

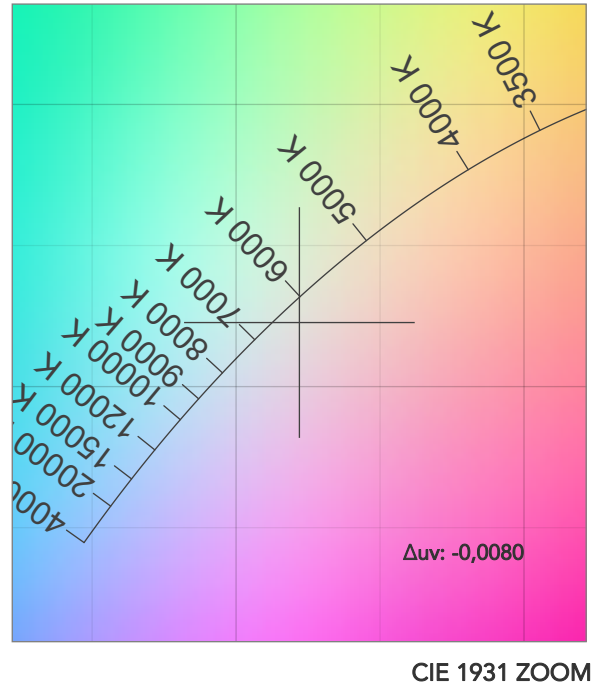
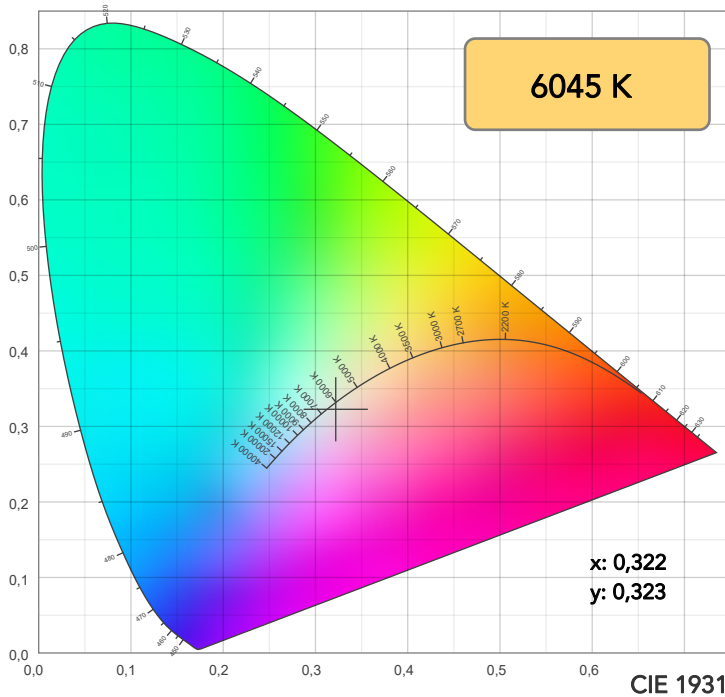
Field angle 10%: 89,4°

Cut off angle 2.5%: 119,8°

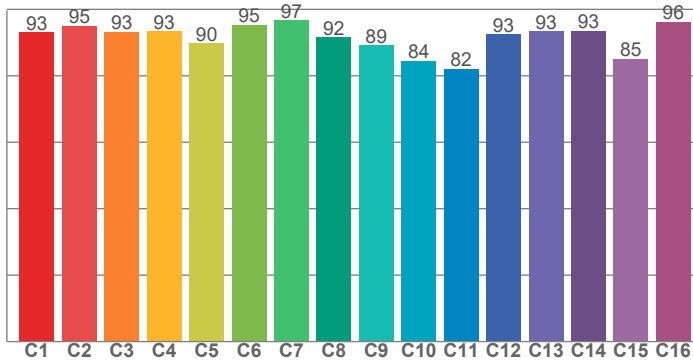
Spectra



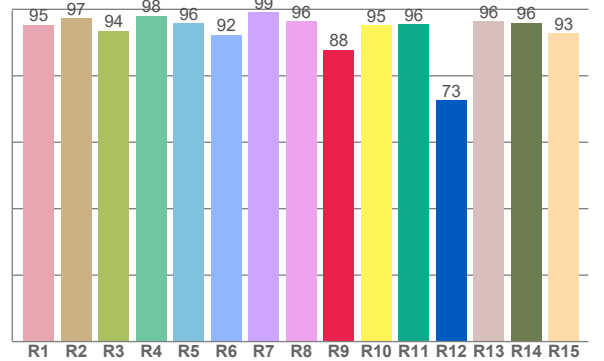
COLOR DETAILS



TM30: 91,2



CRI: 96,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,4	97,4	93,6	98,1	95,9	92,4	99,2	96,3	87,9	95,3	95,6	72,6	96,3	95,9	92,9

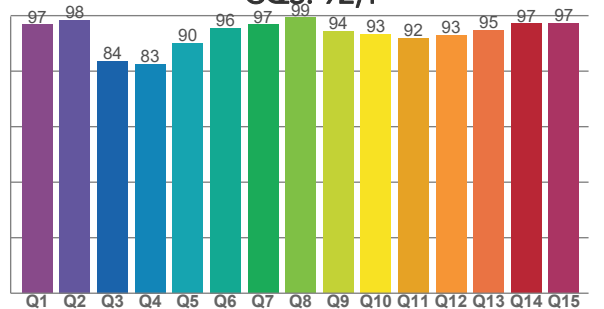
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,0	95,0	93,3	93,4	89,8	95,3	96,7	91,6	89,2	84,5	82,1	92,5	93,4	93,5	85,1	96,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,8	98,4	83,7	82,6	90,0	95,6	96,8	99,3	94,3	93,3	92,0	93,0	94,7	97,2	97,2

CQS: 92,1



COLOR PARAMETERS

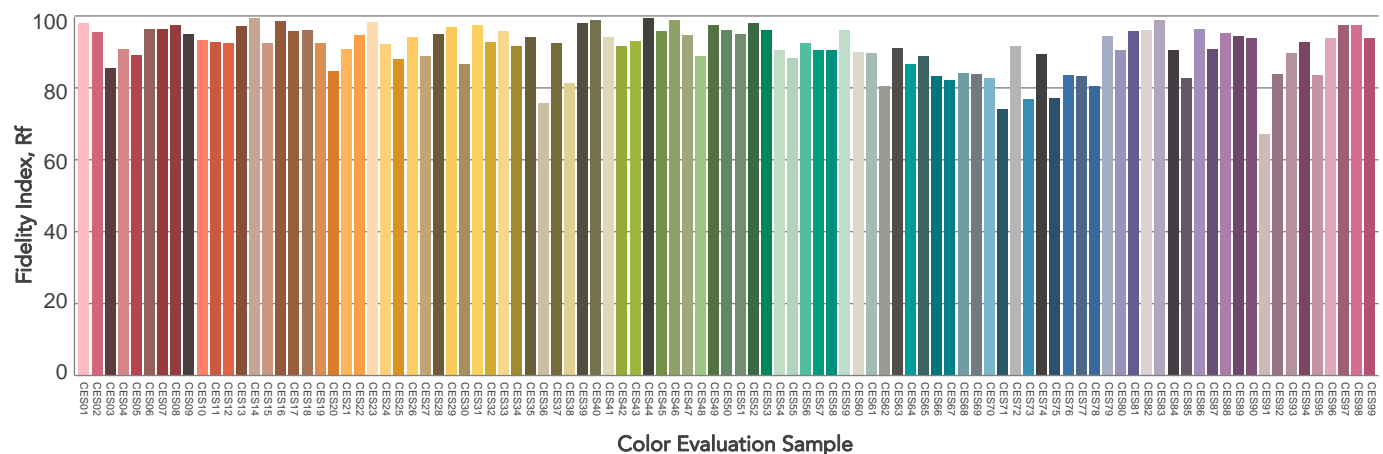
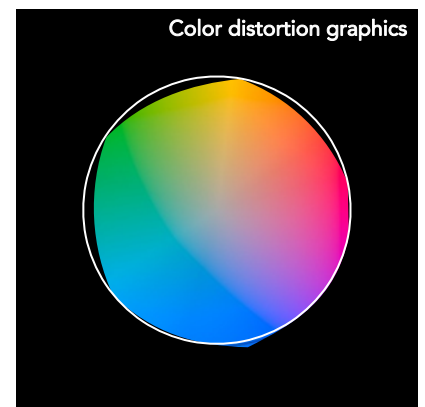
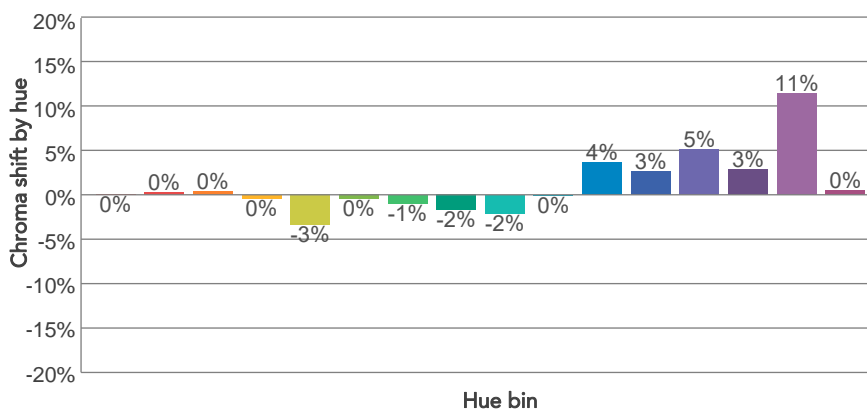
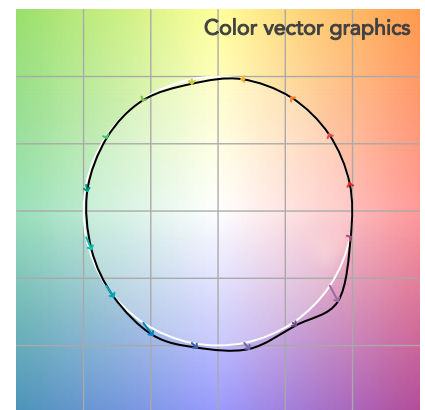
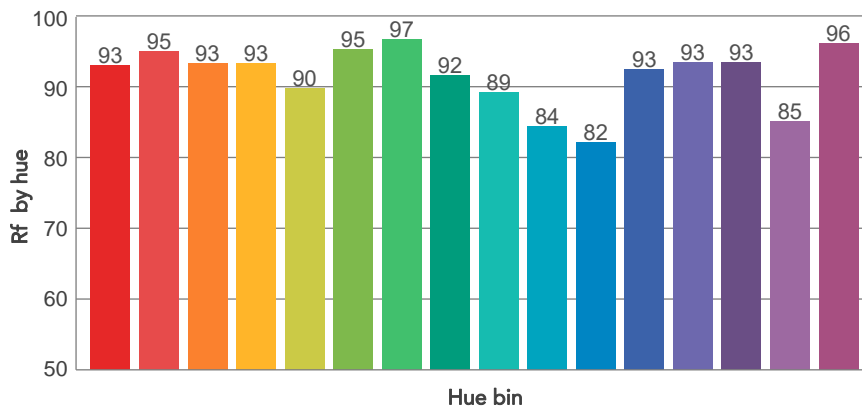
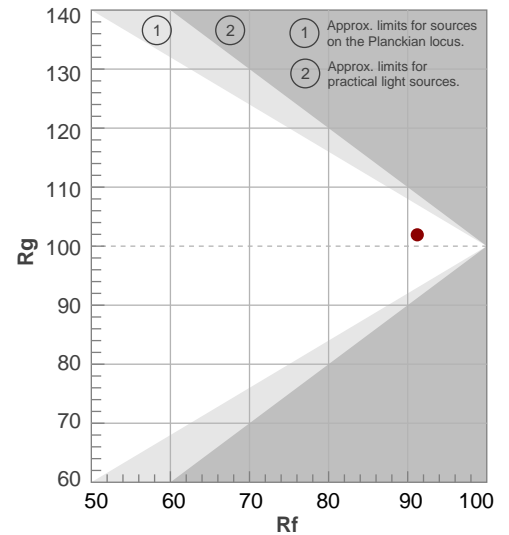
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6045 K	96,0	87,9	91,2	101,9	92,1	97	0,322	0,323	-0,0080

TM30 DETAILS

Rf 91,2
Fidelity index Rf

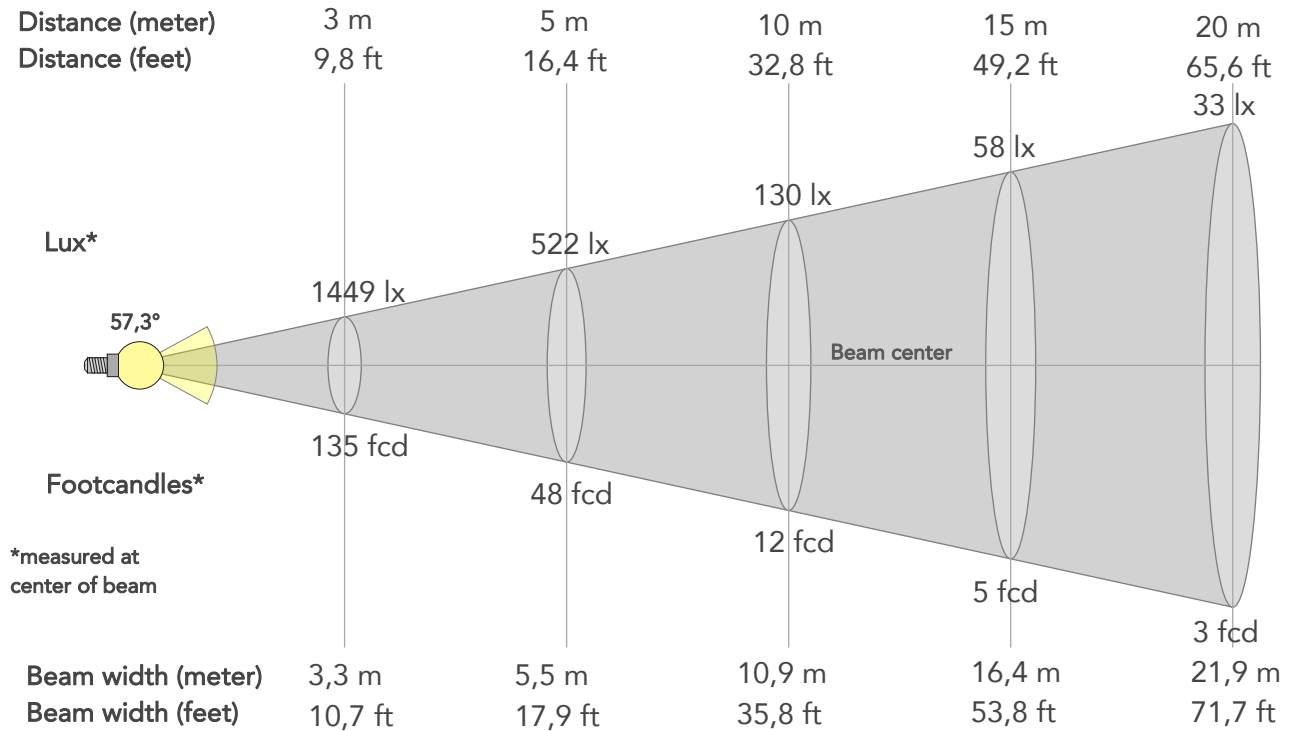
Rg 101,9
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	0%	1%
2	95	0%	2%
3	93	0%	2%
4	93	0%	2%
5	90	-3%	1%
6	95	0%	1%
7	97	-1%	1%
8	92	-2%	4%
9	89	-2%	9%
10	84	0%	10%
11	82	4%	11%
12	93	3%	4%
13	93	5%	3%
14	93	3%	1%
15	85	11%	-6%
16	96	0%	0%



BEAM DETAILS

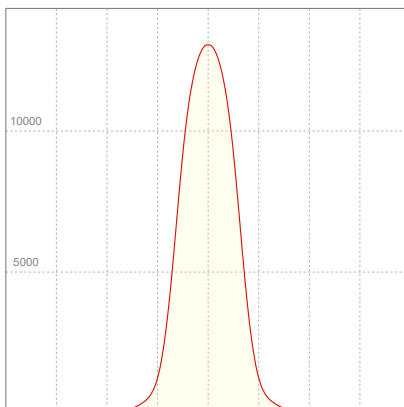
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,3°	89,4°	119,8°	97,5%	90,8%



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	13040lx	3260lx	1449lx	815lx	522lx	232lx	130lx	58lx	33lx	21lx	14lx	8lx	5lx
Footcand.	1211fcd	303fcd	135fcd	76fcd	48fcd	22fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,2m	10,9m	16,4m	21,9m	27,3m	32,8m	43,7m	54,6m
Beam wid.	3,6ft	7,2ft	10,7ft	14,3ft	17,9ft	26,9ft	35,8ft	53,8ft	71,7ft	89,6ft	107,5ft	143,4ft	179,2ft

LINEAR DISTRIBUTION DIAGRAM

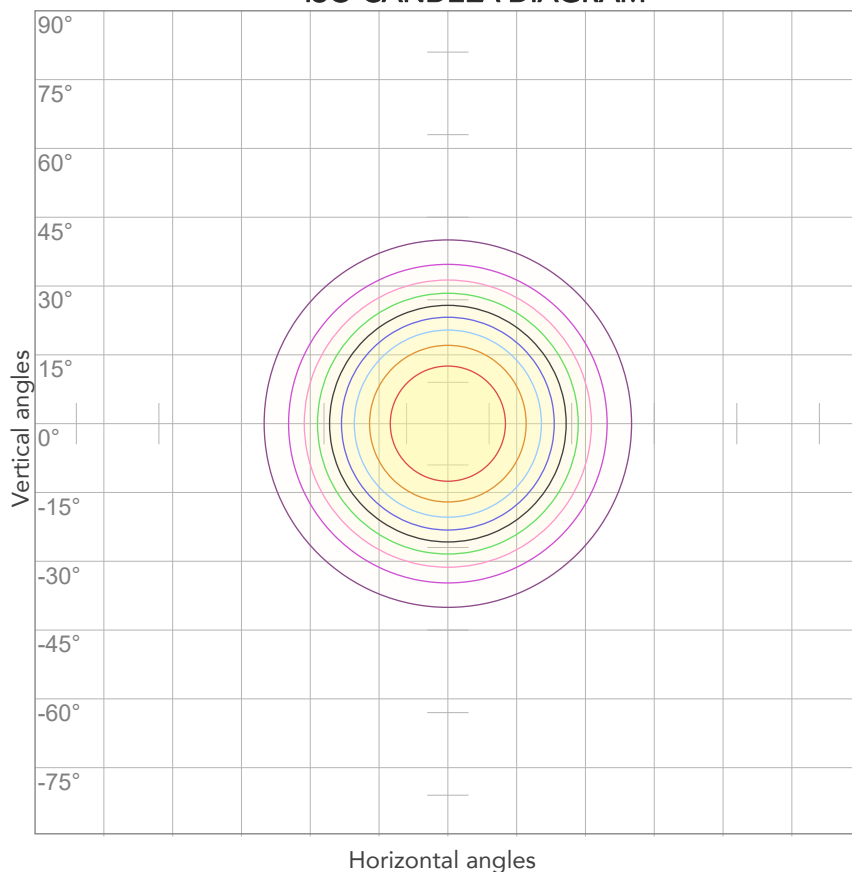


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,841A	183,4W	0,97	67lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



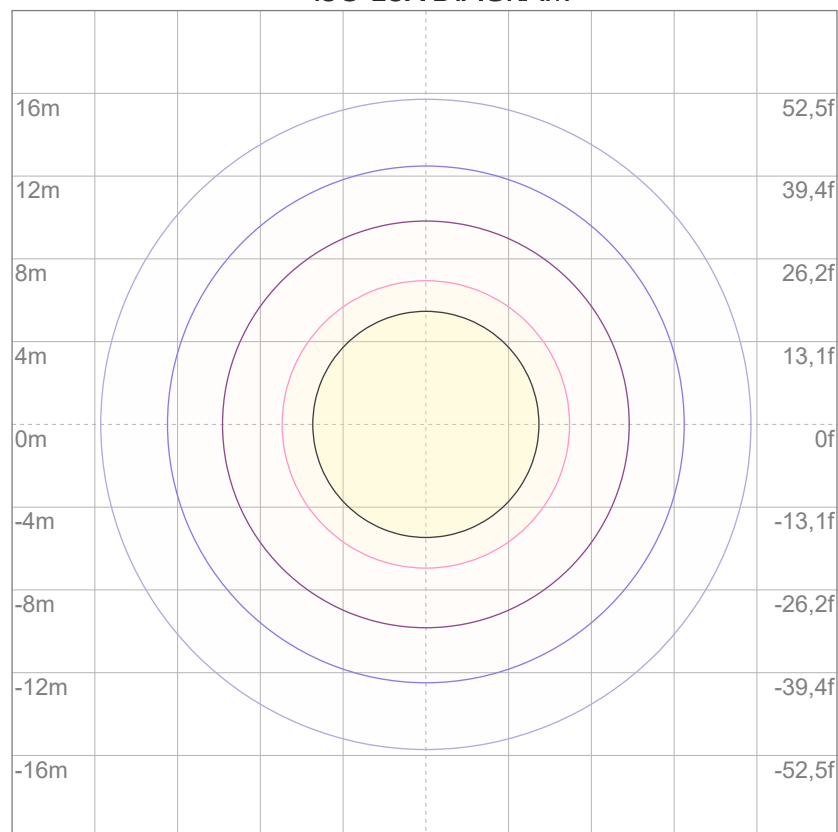
10%	1304 cd
20%	2608 cd
30%	3912 cd
40%	5216 cd
50%	6520 cd
60%	7824 cd
70%	9128 cd
80%	10432 cd

Conditions:

Number of c-planes: 2

Candela at center: 13040 cd

ISO LUX DIAGRAM



3%	3,91 lx
5%	6,52 lx
10%	13,0 lx
30%	39,1 lx
50%	65,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 130 lx

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



Total lumen output:

12487 lm

Peak candela output:

63229 cd

Light quality:

CRI: 96,3

Color temperature:

6550 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

20°

Target:

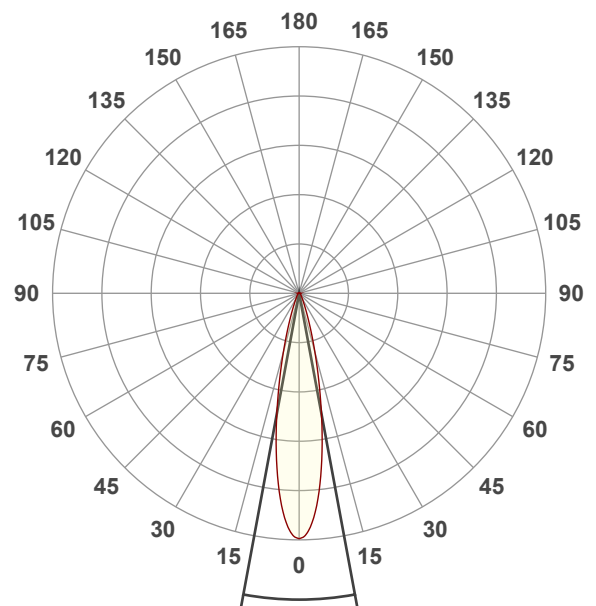
6500K

Operator:

Salvatore Giglio

Date and time:

22/01/2024 15:59:37

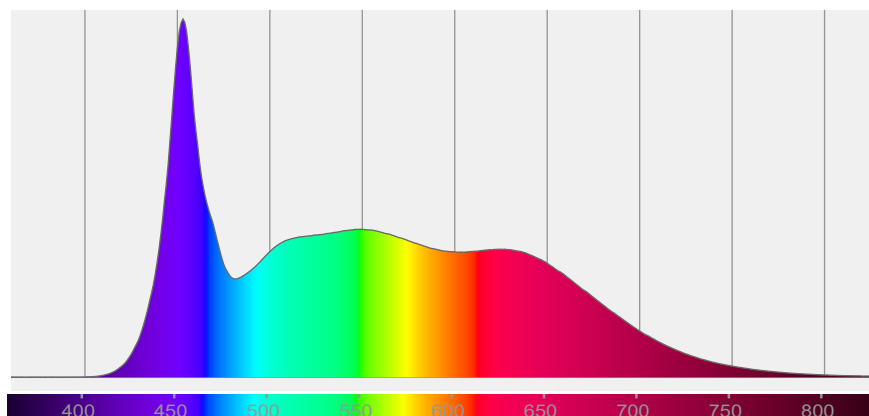


Beam angle 50%: 21°

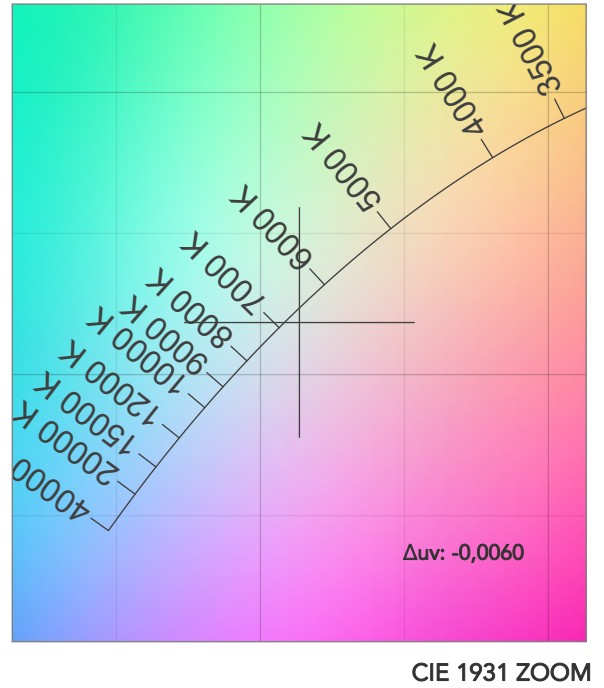
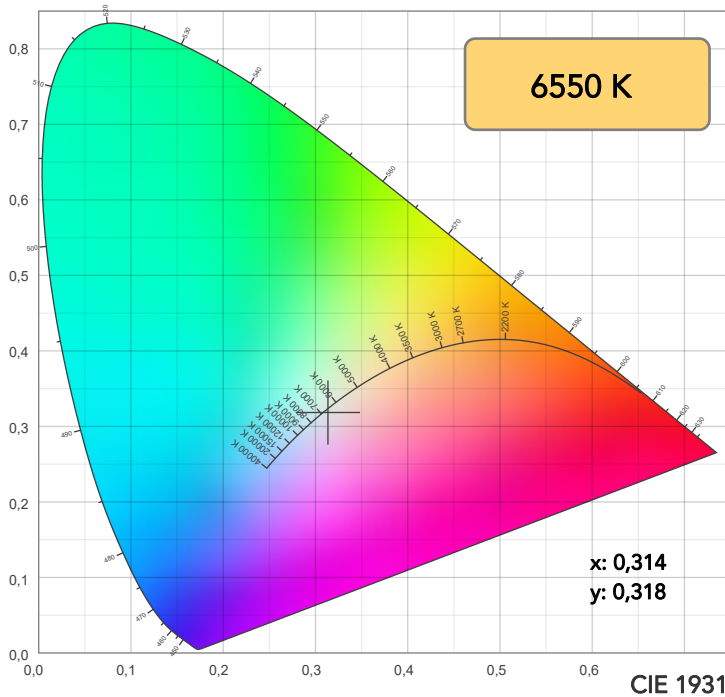
Field angle 10%: 40,2°

Cut off angle 2.5%: 61,3°

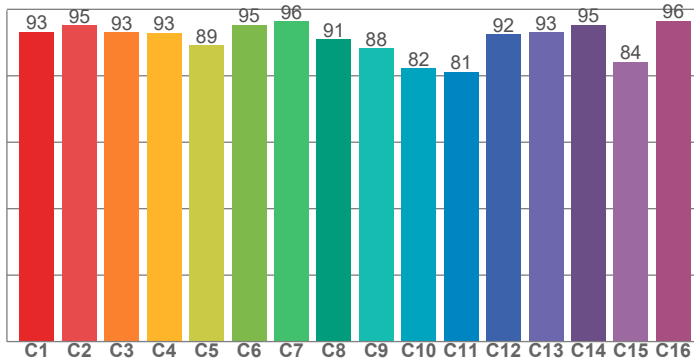
Spectra



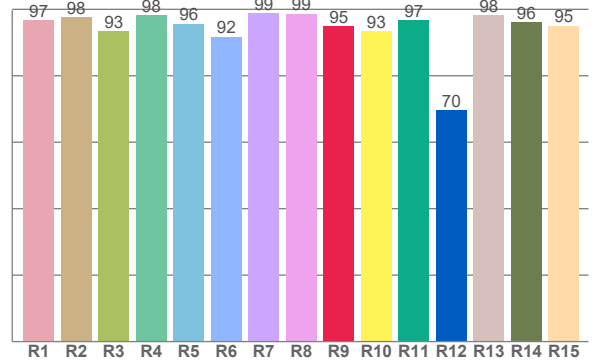
COLOR DETAILS



TM30: 90,8



CRI: 96,3 (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
96,7	97,7	93,3	98,2	95,6	91,7	98,8	98,6	95,0	93,4	96,7	69,6	98,3	96,1	95,0

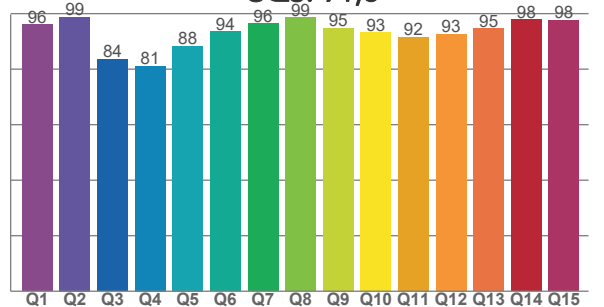
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,1	95,2	93,1	92,9	89,2	95,3	96,3	91,0	88,3	82,2	81,2	92,4	93,1	95,3	84,3	96,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,0	98,7	83,6	81,2	88,4	93,5	96,4	98,5	94,9	93,2	91,6	92,7	94,6	97,9	97,6

CQS: 91,6



COLOR PARAMETERS

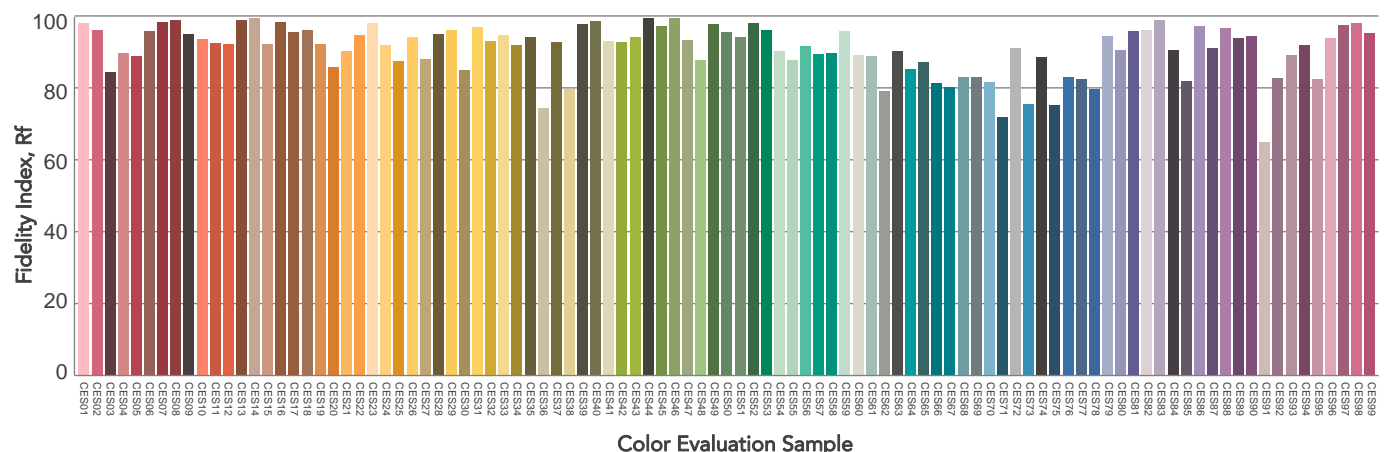
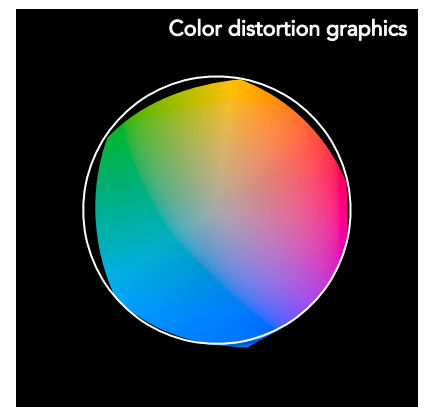
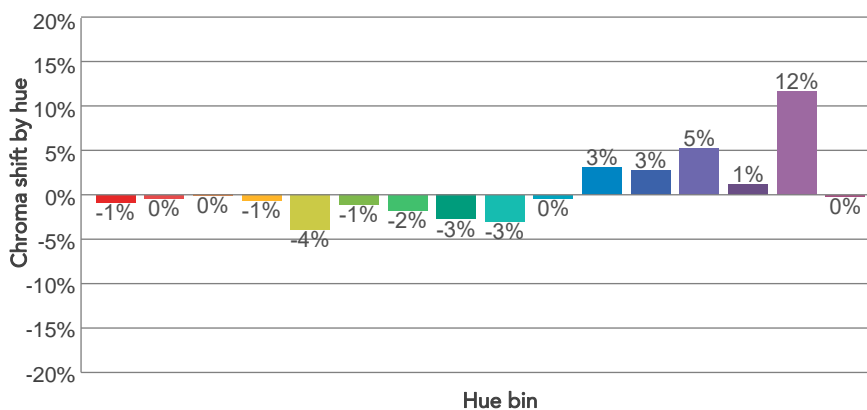
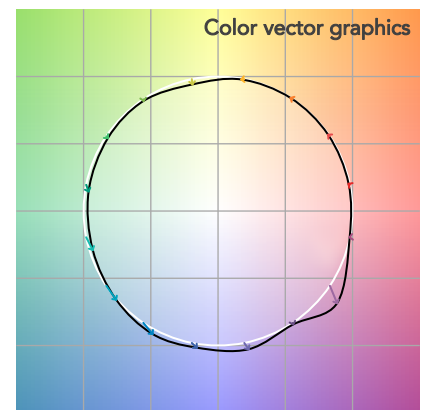
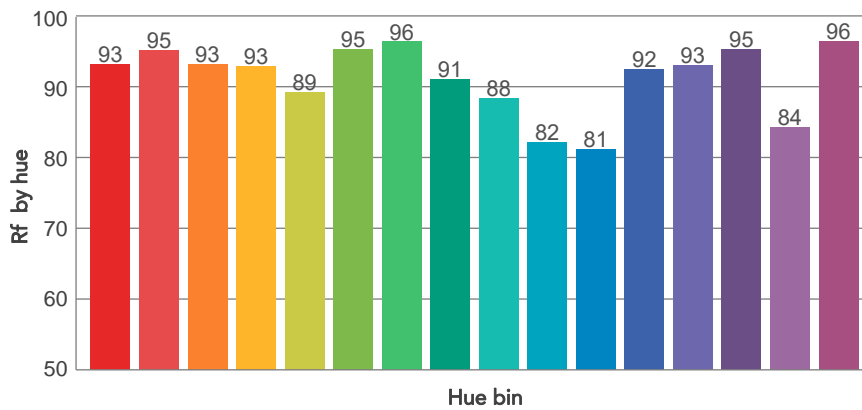
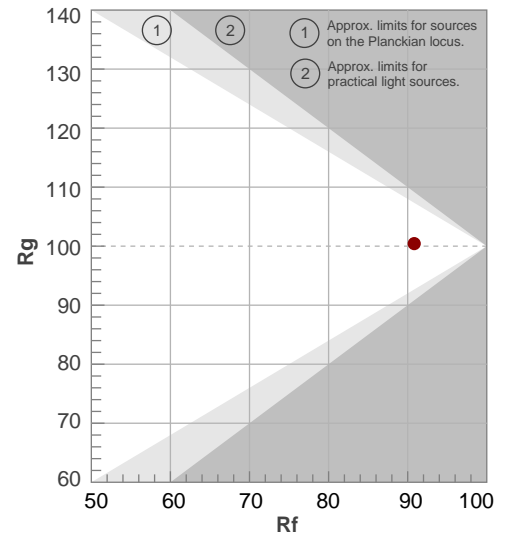
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6550 K	96,3	95,0	90,8	100,4	91,6	96	0,314	0,318	-0,0060

TM30 DETAILS

Rf 90,8
Fidelity index Rf

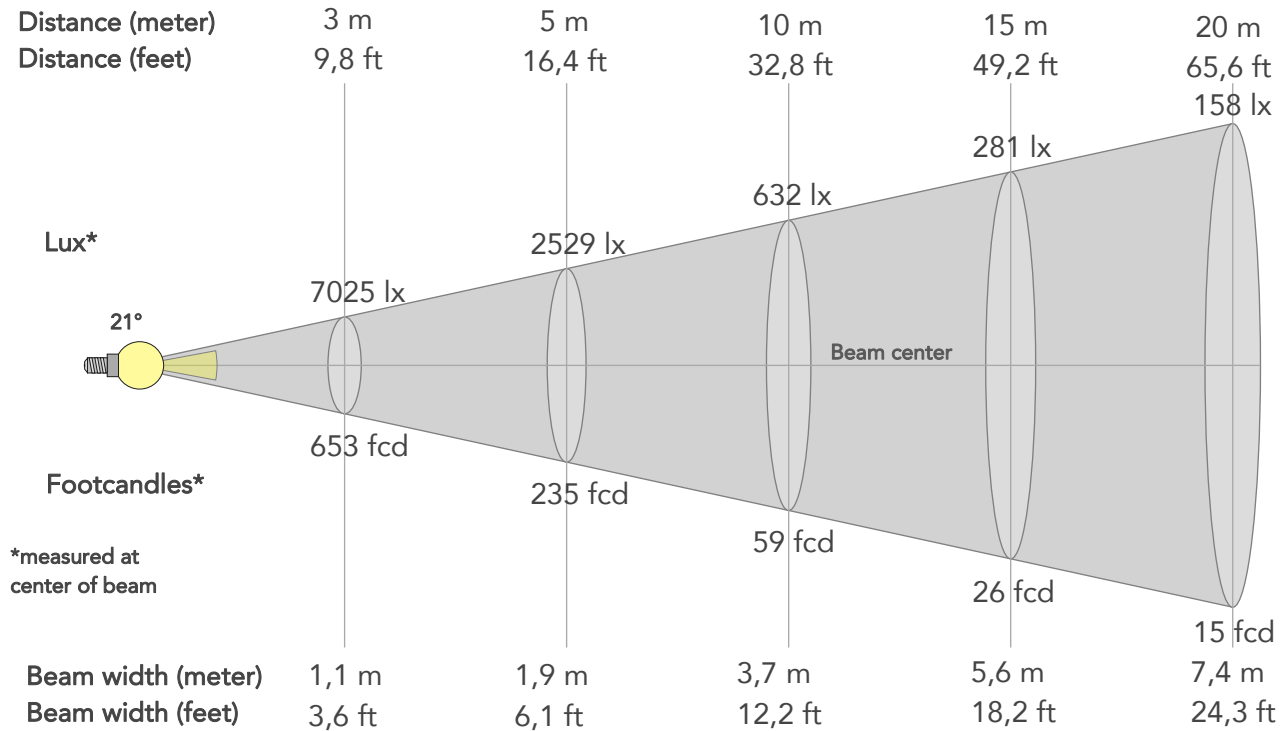
Rg 100,4
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-1%	1%
2	95	0%	2%
3	93	0%	2%
4	93	-1%	2%
5	89	-4%	0%
6	95	-1%	1%
7	96	-2%	0%
8	91	-3%	4%
9	88	-3%	10%
10	82	0%	13%
11	81	3%	10%
12	92	3%	4%
13	93	5%	2%
14	95	1%	0%
15	84	12%	-8%
16	96	0%	0%



BEAM DETAILS

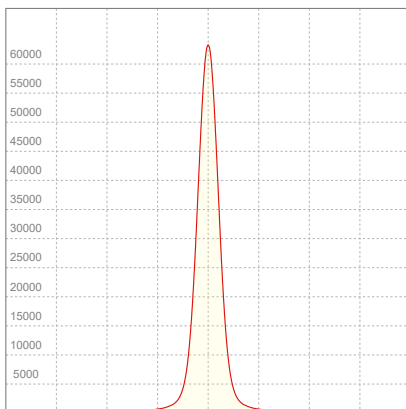
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21°	40,2°	61,3°	96,7%	91,6%



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	63229lx	15807lx	7025lx	3952lx	2529lx	1124lx	632lx	281lx	158lx	101lx	70lx	40lx	25lx
Footcand.	5874fcd	1469fcd	653fcd	367fcd	235fcd	104fcd	59fcd	26fcd	15fcd	9fcd	7fcd	4fcd	2fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,9m	2,8m	3,7m	5,6m	7,4m	9,3m	11,1m	14,8m	18,5m
Beam wid.	1,2ft	2,4ft	3,6ft	4,9ft	6,1ft	9,1ft	12,2ft	18,2ft	24,3ft	30,4ft	36,5ft	48,6ft	60,8ft

LINEAR DISTRIBUTION DIAGRAM

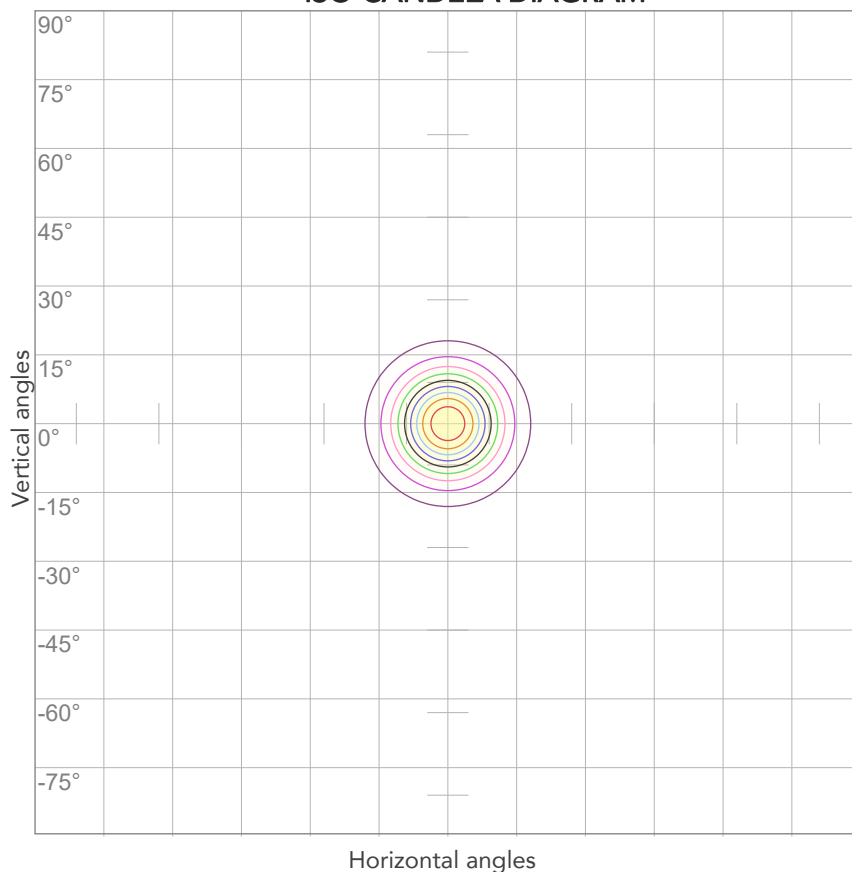


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,747A	161,2W	0,96	77lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



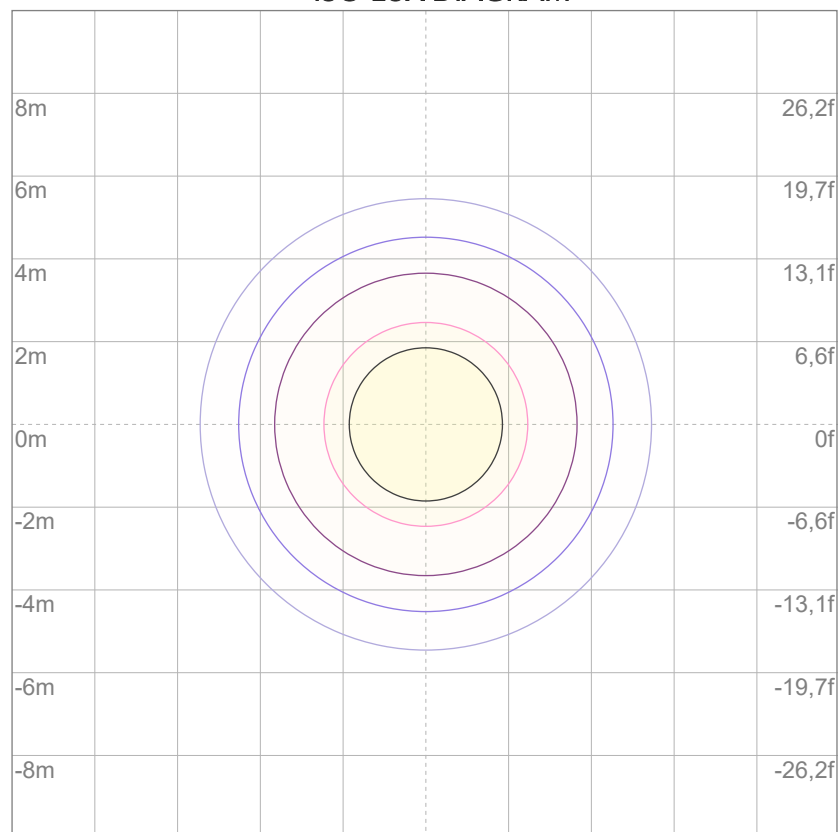
10%	6323 cd
20%	12646 cd
30%	18969 cd
40%	25292 cd
50%	31615 cd
60%	37937 cd
70%	44260 cd
80%	50583 cd

Conditions:

Number of c-planes: 2

Candela at center: 63229 cd

ISO LUX DIAGRAM



3%	19,0 lx
5%	31,6 lx
10%	63,2 lx
30%	190 lx
50%	316 lx

Conditions:

Number of c-planes: 2

Lux at center: 632 lx

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



Total lumen output:

12401 lm

Peak candela output:

23872 cd

Light quality:

CRI: 96,3

Color temperature:

6512 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

40°

Target:

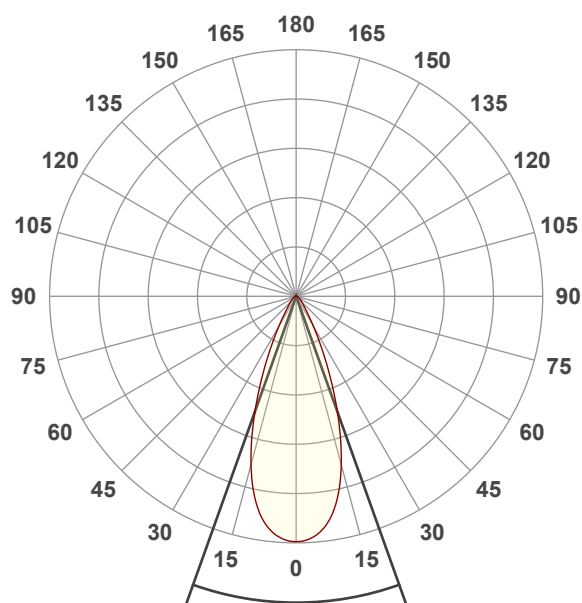
6500K

Operator:

Salvatore Giglio

Date and time:

22/01/2024 16:54:41

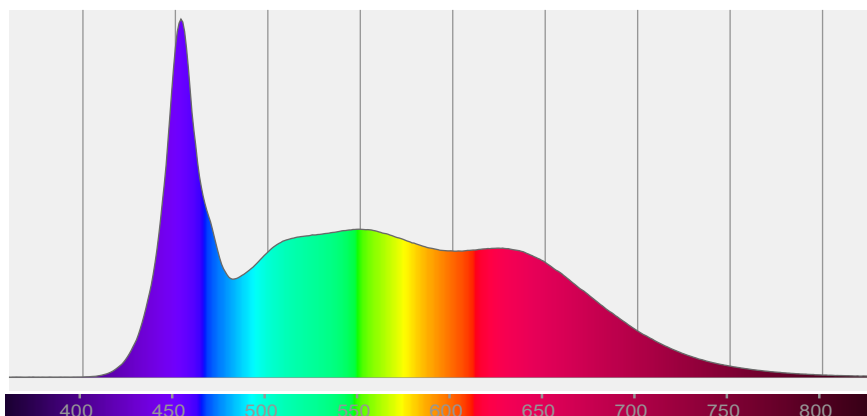


Beam angle 50%: 39,3°

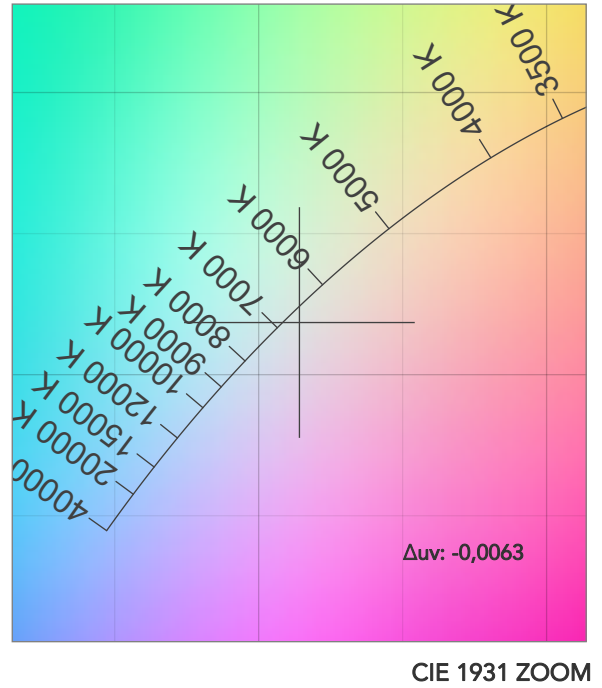
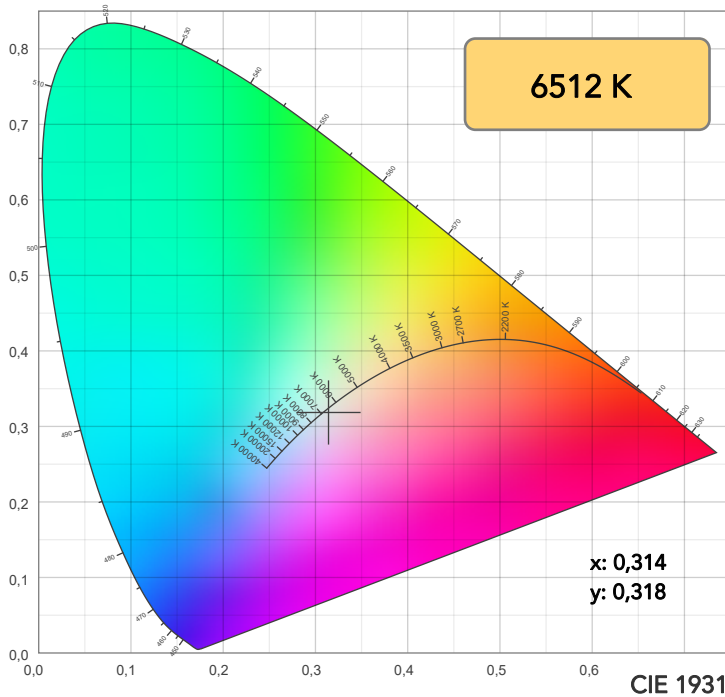
Field angle 10%: 65,1°

Cut off angle 2.5%: 97,9°

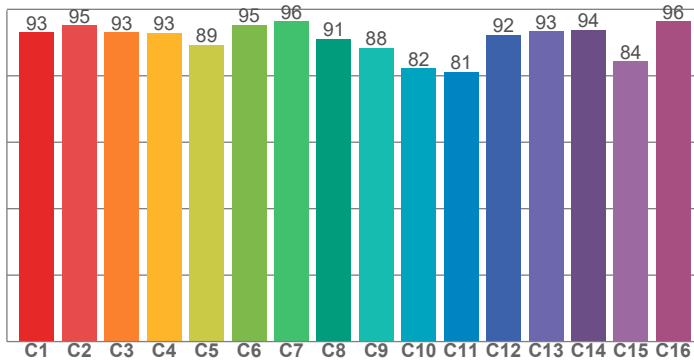
Spectra



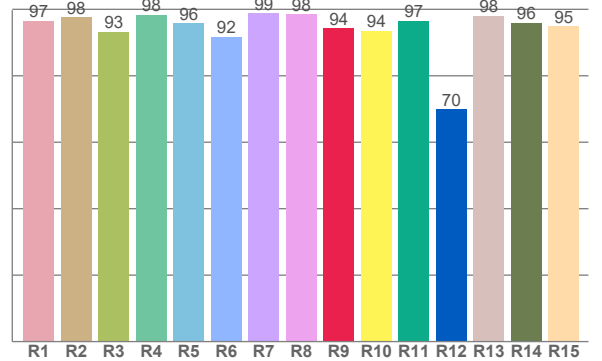
COLOR DETAILS



TM30: 90,8



CRI: 96,3 (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
96,6	97,7	93,3	98,4	95,7	91,7	98,9	98,4	94,2	93,6	96,6	69,9	98,1	96,0	94,8

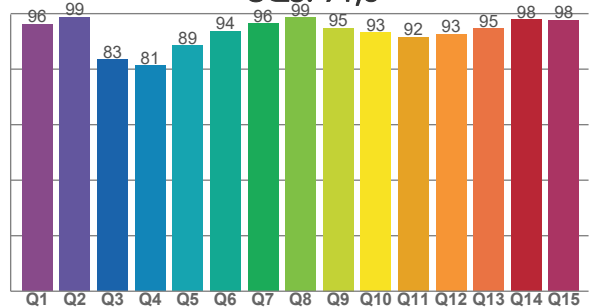
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,1	95,1	93,1	92,9	89,2	95,3	96,4	91,1	88,4	82,3	81,2	92,4	93,4	93,8	84,3	96,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,2	98,7	83,5	81,2	88,5	93,8	96,4	98,6	94,8	93,1	91,5	92,6	94,6	97,8	97,6

CQS: 91,6



COLOR PARAMETERS

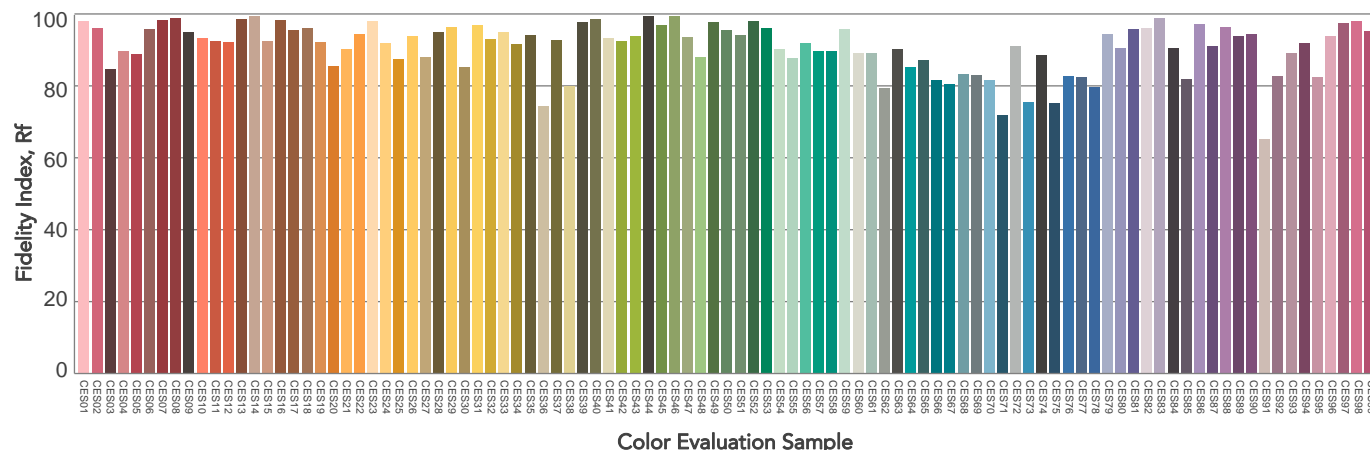
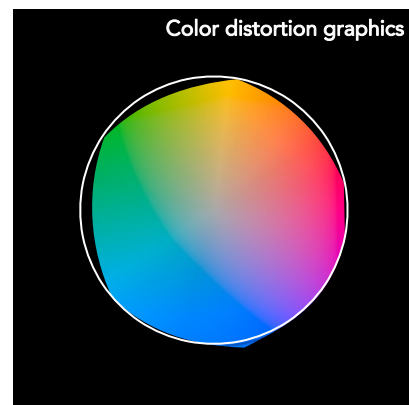
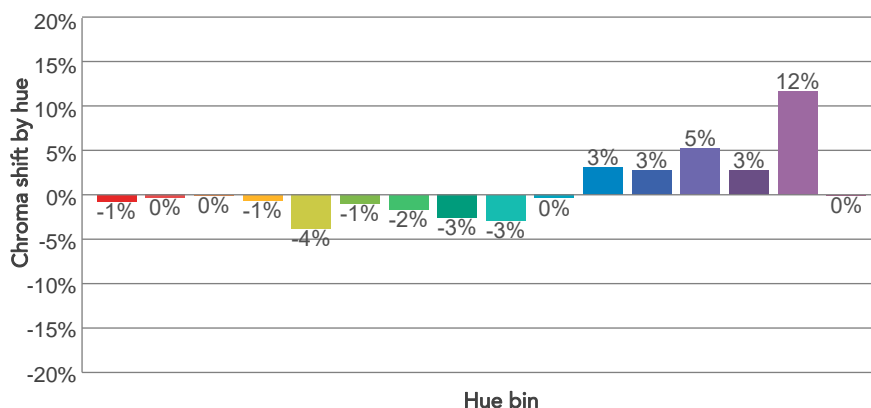
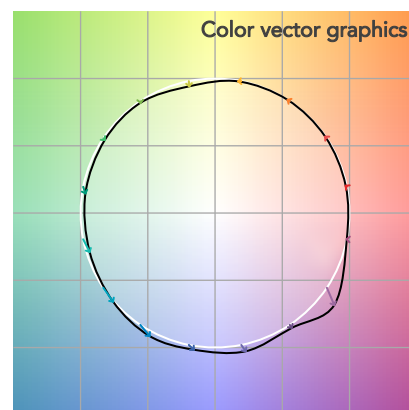
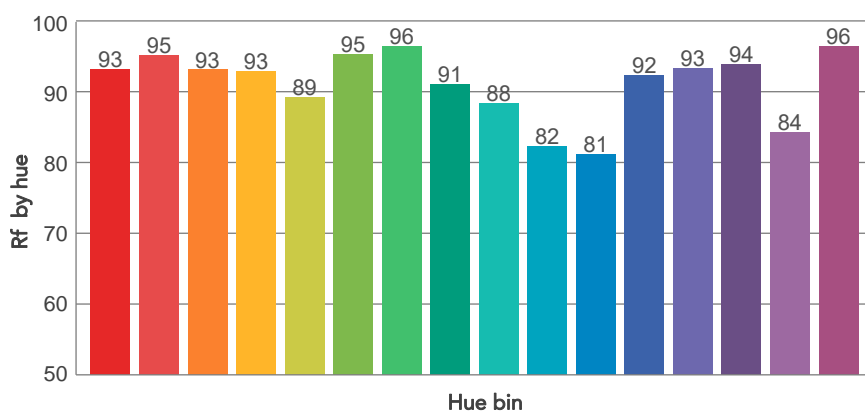
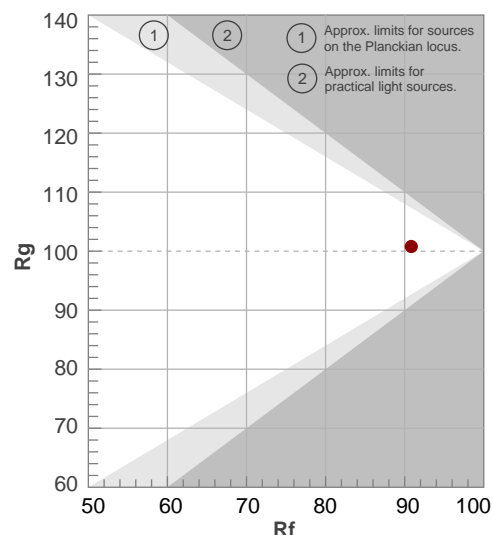
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6512 K	96,3	94,2	90,8	100,8	91,6	96	0,314	0,318	-0,0063

TM30 DETAILS

Rf 90,8
Fidelity index Rf

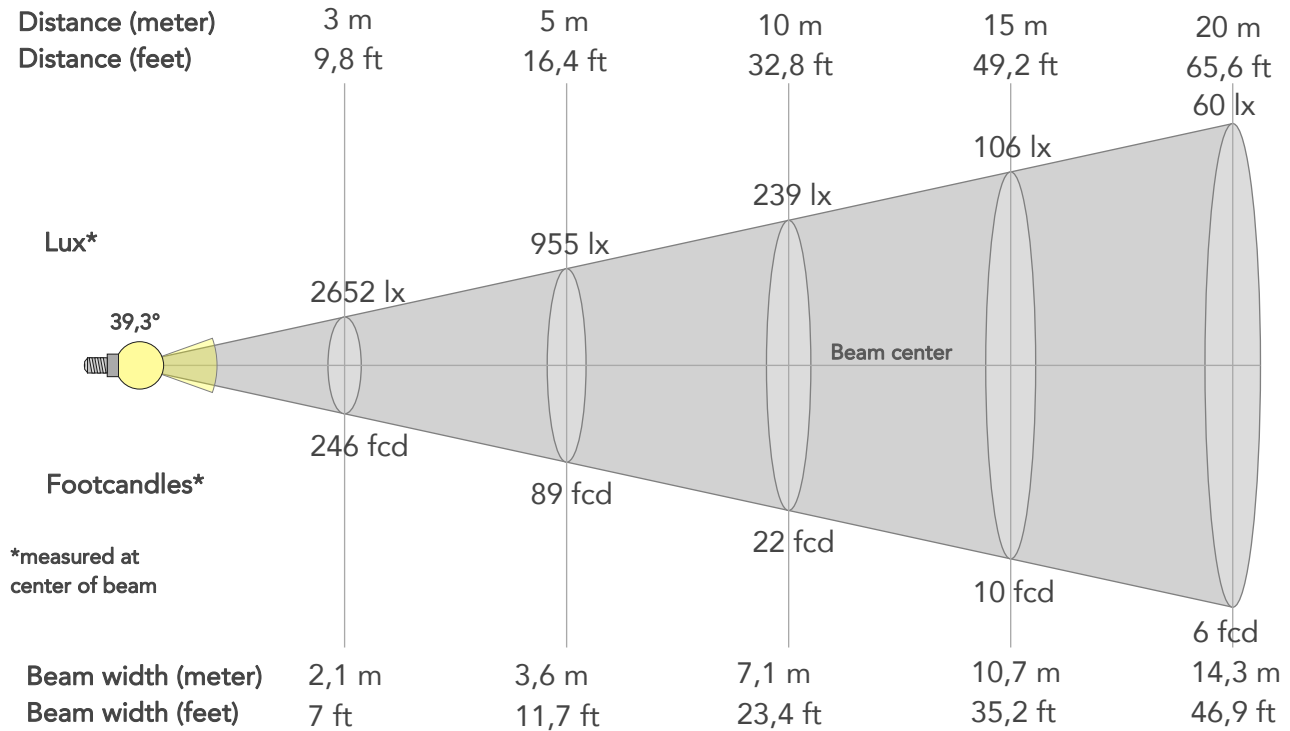
Rg 100,8
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-1%	1%
2	95	0%	2%
3	93	0%	2%
4	93	-1%	2%
5	89	-4%	0%
6	95	-1%	1%
7	96	-2%	0%
8	91	-3%	4%
9	88	-3%	10%
10	82	0%	13%
11	81	3%	10%
12	92	3%	4%
13	93	5%	2%
14	94	3%	0%
15	84	12%	-8%
16	96	0%	0%



BEAM DETAILS

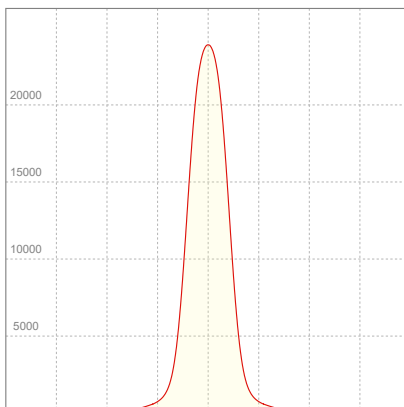
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39,3°	65,1°	97,9°	96,7%	91,3%



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	23872lx	5968lx	2652lx	1492lx	955lx	424lx	239lx	106lx	60lx	38lx	27lx	15lx	10lx
Footcand.	2218fcd	554fcd	246fcd	139fcd	89fcd	39fcd	22fcd	10fcd	6fcd	4fcd	2fcd	1fcd	1fcd
Beam wid.	0,7m	1,4m	2,1m	2,9m	3,6m	5,4m	7,1m	10,7m	14,3m	17,9m	21,4m	28,6m	35,7m
Beam wid.	2,4ft	4,7ft	7ft	9,4ft	11,7ft	17,6ft	23,4ft	35,2ft	46,9ft	58,6ft	70,3ft	93,7ft	117,2ft

LINEAR DISTRIBUTION DIAGRAM

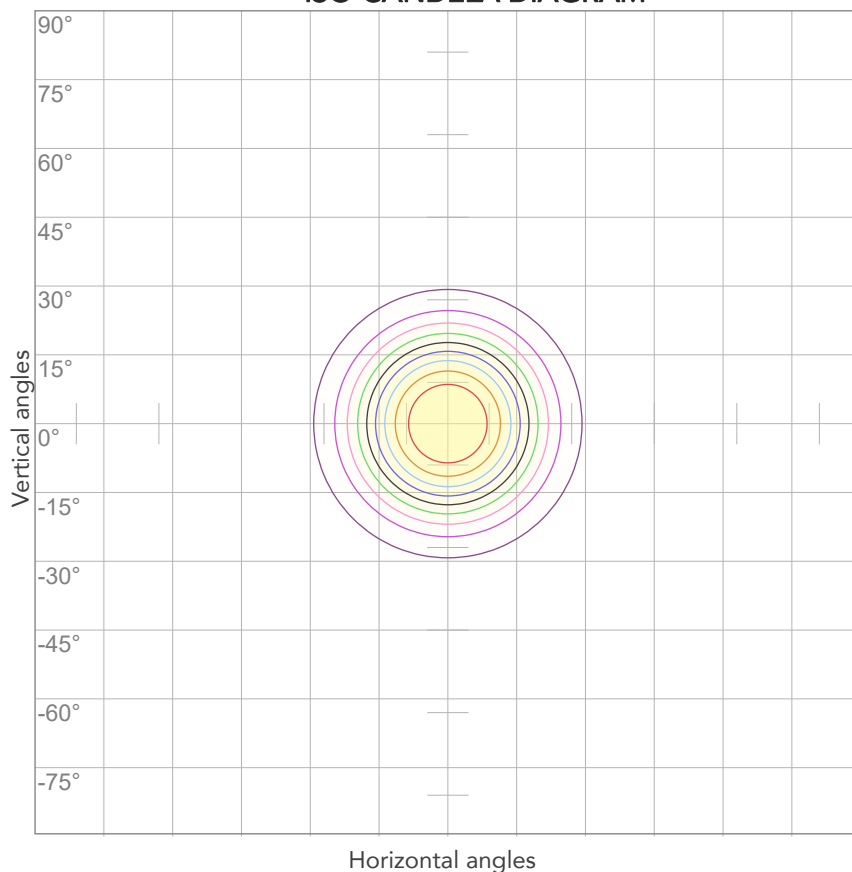


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
223V	0,768A	164,5W	0,96	75lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



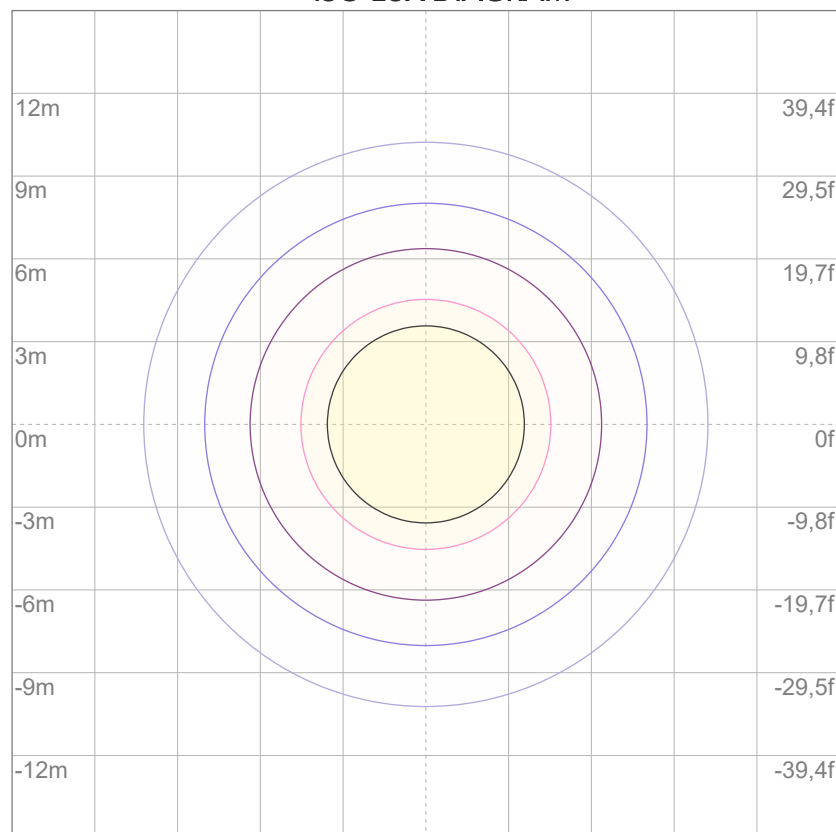
10%	2387 cd
20%	4774 cd
30%	7162 cd
40%	9549 cd
50%	11936 cd
60%	14323 cd
70%	16711 cd
80%	19098 cd

Conditions:

Number of c-planes: 2

Candela at center: 23872 cd

ISO LUX DIAGRAM



3%	7,16 lx
5%	11,9 lx
10%	23,9 lx
30%	71,6 lx
50%	119 lx

Conditions:

Number of c-planes: 2

Lux at center: 239 lx

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



Total lumen output:

11308 lm

Peak candela output:

12006 cd

Light quality:

CRI: 96,3

Color temperature:

6560 K

PRODUCT NAME:

ECLPENDANT VW

MEASURAMENT CONDITIONS:

Beam angle:

60°

Target:

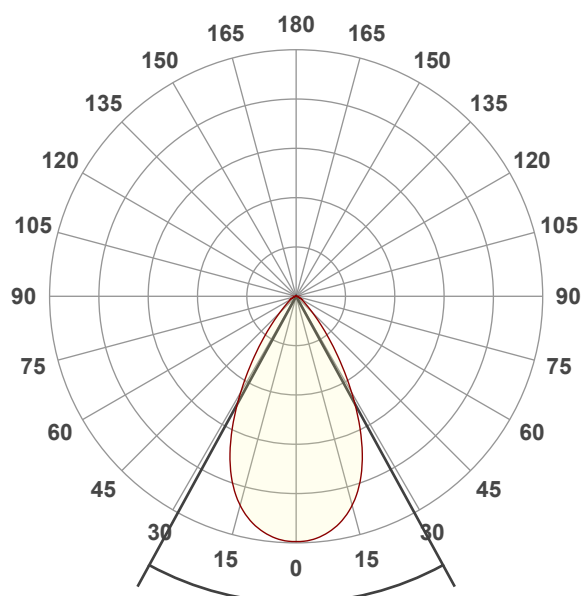
6500K

Operator:

Salvatore Giglio

Date and time:

22/01/2024 17:39:38

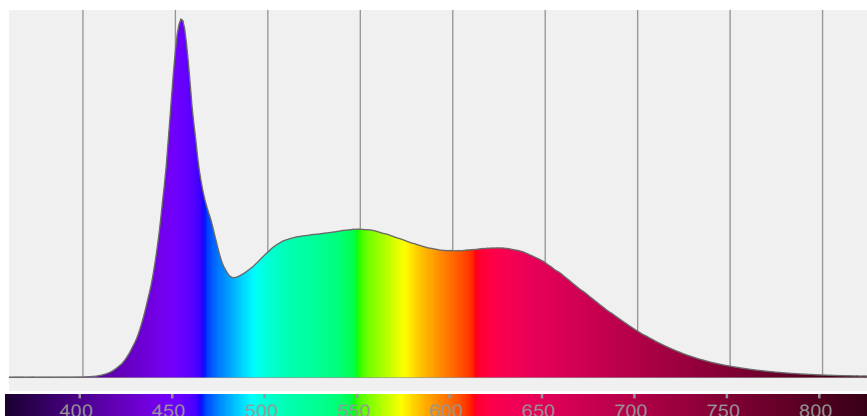


Beam angle 50%: 57,3°

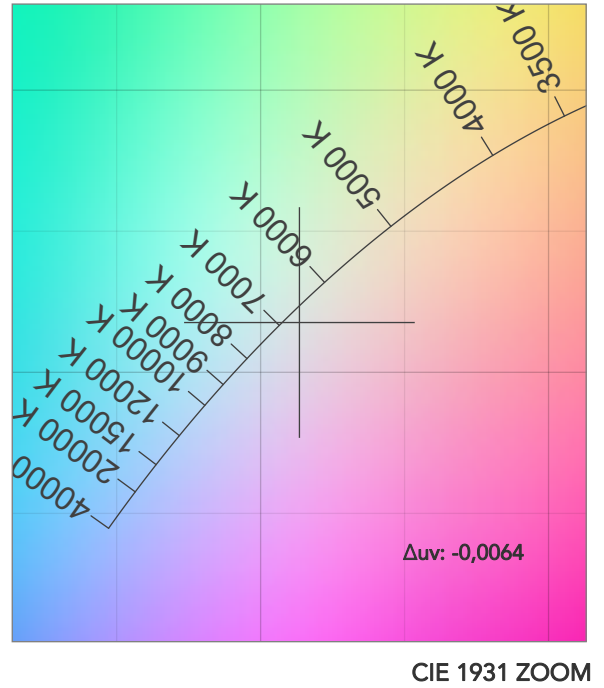
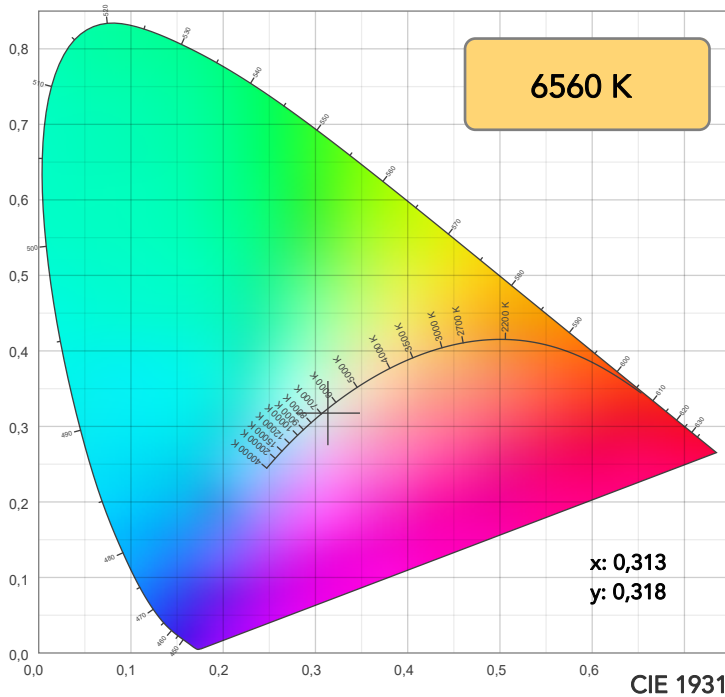
Field angle 10%: 89,4°

Cut off angle 2.5%: 119,7°

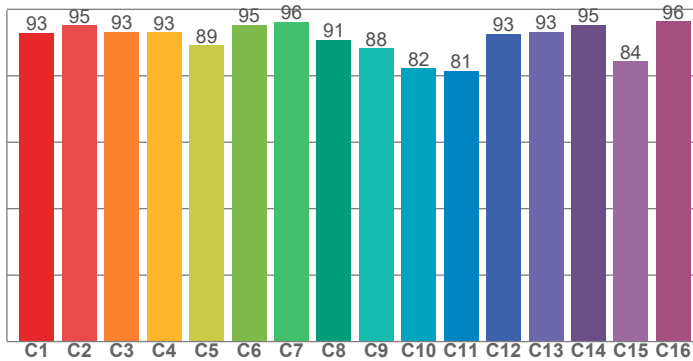
Spectra



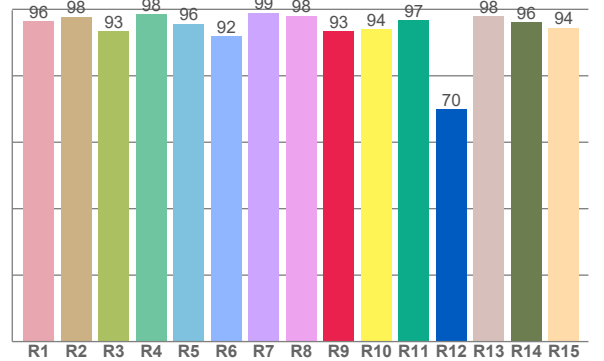
COLOR DETAILS



TM30: 90,8



CRI: 96,3 (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
96,4	97,7	93,4	98,5	95,6	91,9	99,0	98,1	93,4	94,1	96,7	69,9	97,8	96,1	94,4

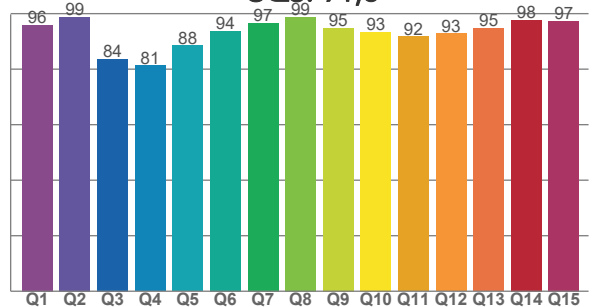
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,0	95,1	93,2	93,0	89,1	95,2	96,3	90,8	88,2	82,2	81,5	92,6	93,2	95,2	84,3	96,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,9	98,8	83,7	81,3	88,5	93,7	96,6	98,7	94,8	93,4	91,8	92,8	94,7	97,7	97,4

CQS: 91,6



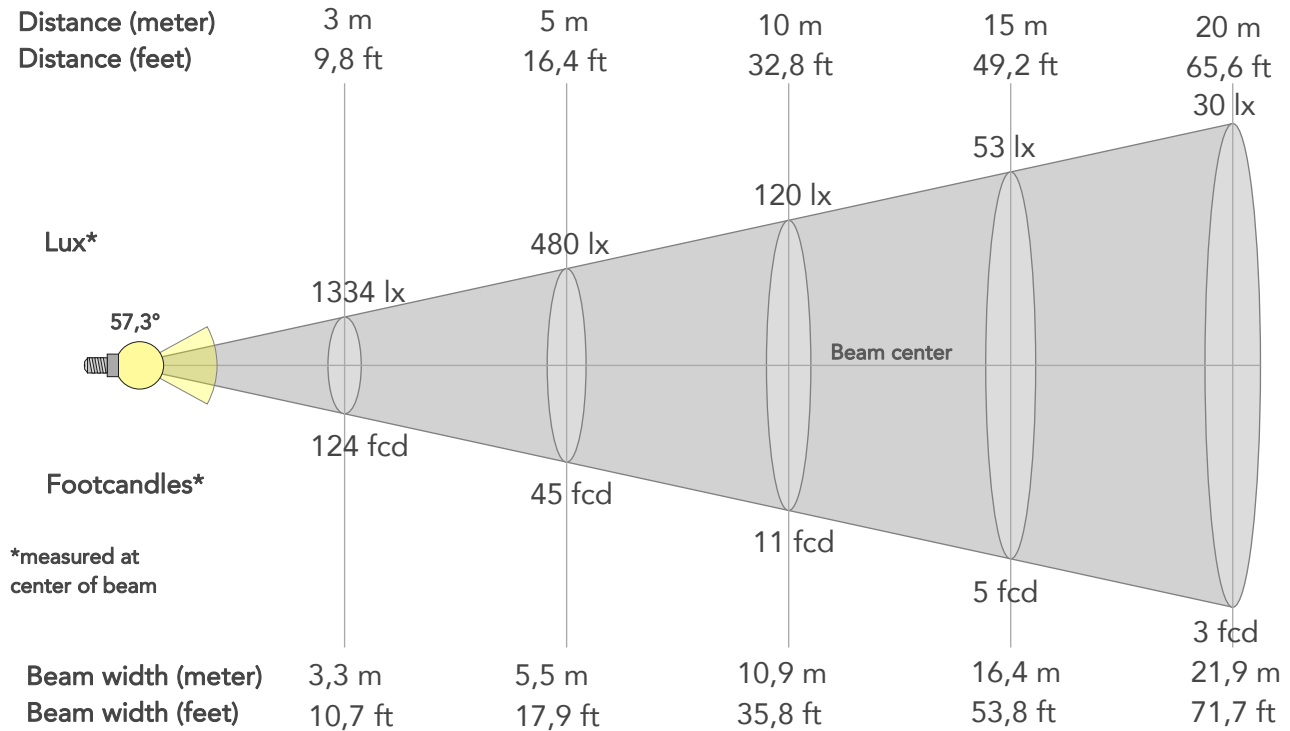
COLOR PARAMETERS

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
6560 K	96,3	93,4	90,8	100,5	91,6	96	0,313	0,318	-0,0064

BEAM DETAILS



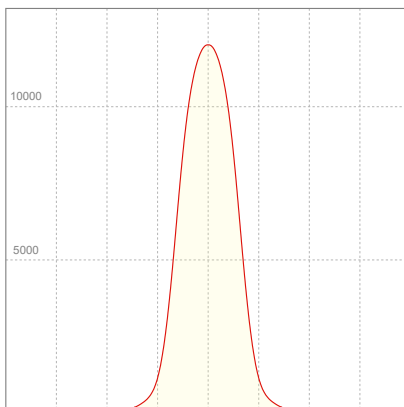
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,3°	89,4°	119,7°	97,5%	90,8%



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	12006lx	3001lx	1334lx	750lx	480lx	213lx	120lx	53lx	30lx	19lx	13lx	8lx	5lx
Footcand.	1115fcd	279fcd	124fcd	70fcd	45fcd	20fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,2m	10,9m	16,4m	21,9m	27,3m	32,8m	43,7m	54,6m
Beam wid.	3,6ft	7,2ft	10,7ft	14,3ft	17,9ft	26,9ft	35,8ft	53,8ft	71,7ft	89,6ft	107,5ft	143,4ft	179,2ft

LINEAR DISTRIBUTION DIAGRAM

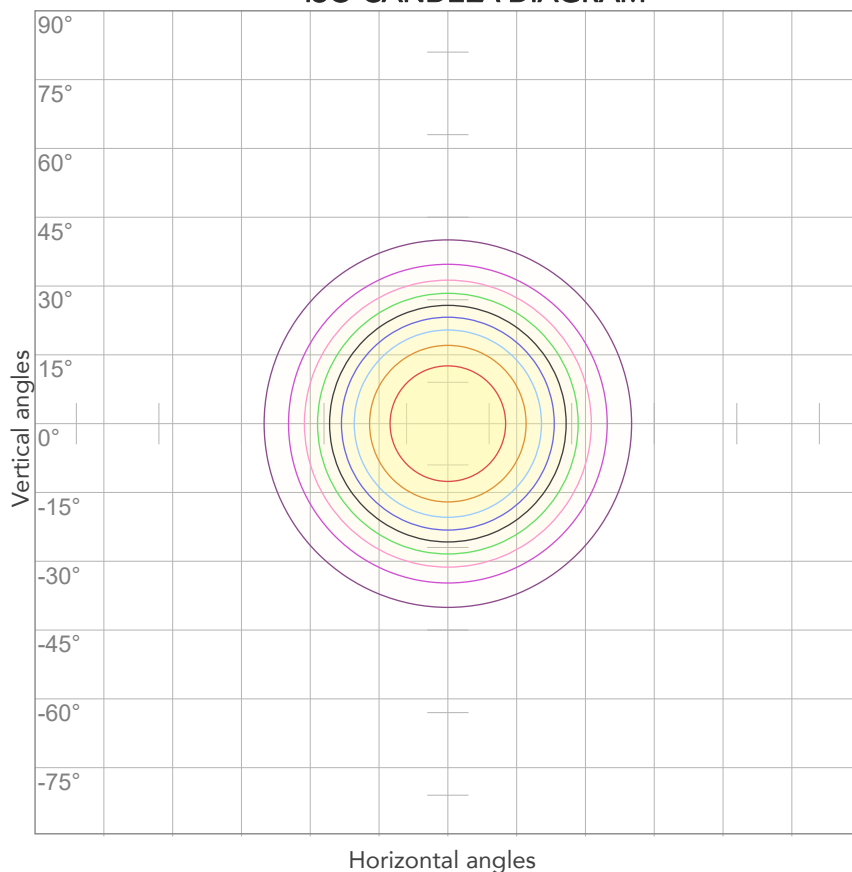


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,756A	163,9W	0,96	69lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



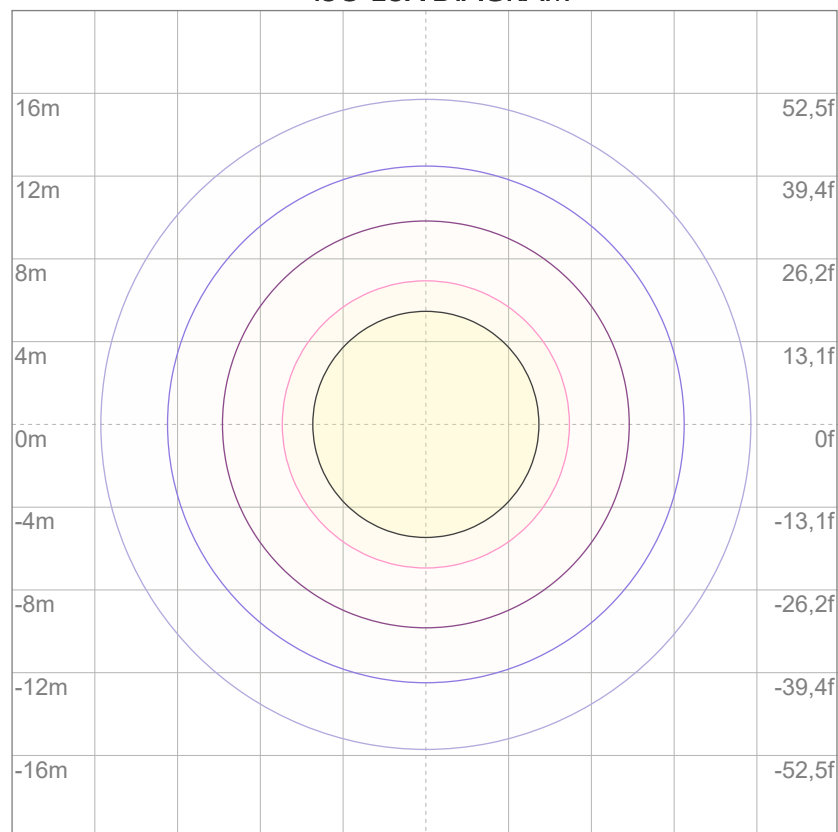
10%	1201 cd
20%	2401 cd
30%	3602 cd
40%	4802 cd
50%	6003 cd
60%	7203 cd
70%	8404 cd
80%	9605 cd

Conditions:

Number of c-planes: 2

Candela at center: 12006 cd

ISO LUX DIAGRAM



3%	3,60 lx
5%	6,00 lx
10%	12,0 lx
30%	36,0 lx
50%	60,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 120 lx

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